

## Pantheon Report

Generated at 2018-07-09 23:37:53 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

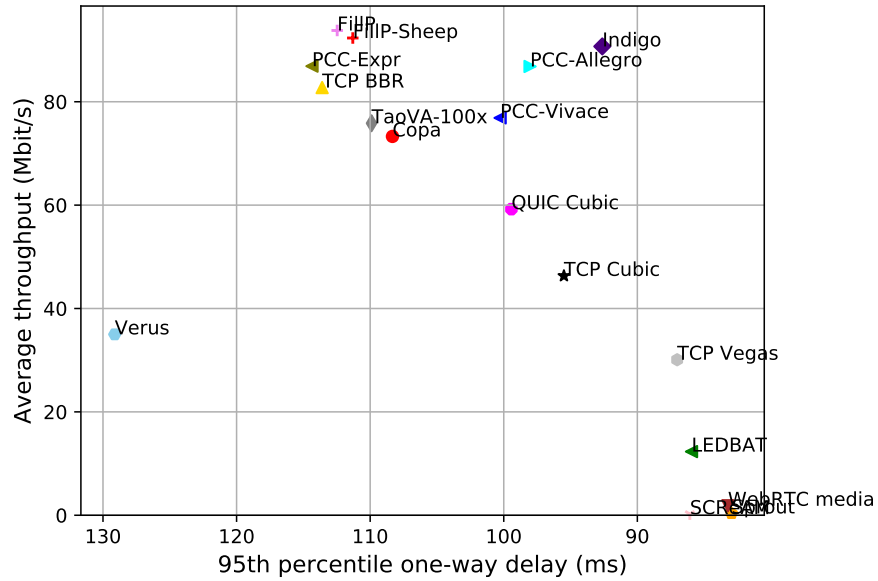
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

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

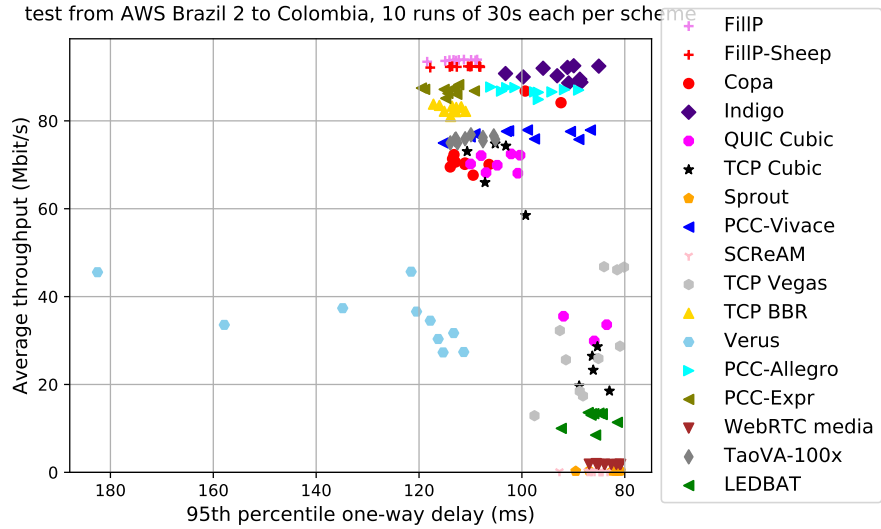
Git summary:

```
branch: master @ 9250dbeec7fb57193cdff1ba8c440b4e16ab30f0
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 37162fe9af85249aeccac061c93e75640ef710b5
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfe58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quirk @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS Brazil 2 to Colombia, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from AWS Brazil 2 to Colombia, 10 runs of 30s each per scheme



| scheme       | # runs | mean avg tput (Mbit/s)<br>flow 1 | mean 95th-%ile delay (ms)<br>flow 1 | mean loss rate (%)<br>flow 1 |
|--------------|--------|----------------------------------|-------------------------------------|------------------------------|
| TCP BBR      | 10     | 82.75                            | 113.59                              | 3.97                         |
| Copa         | 10     | 73.29                            | 108.33                              | 2.54                         |
| TCP Cubic    | 10     | 46.31                            | 95.50                               | 0.50                         |
| FillP        | 10     | 93.79                            | 112.47                              | 7.75                         |
| FillP-Sheep  | 10     | 92.33                            | 111.30                              | 3.59                         |
| Indigo       | 10     | 90.71                            | 92.62                               | 1.07                         |
| LEDBAT       | 10     | 12.32                            | 85.95                               | 0.00                         |
| PCC-Allegro  | 10     | 86.83                            | 98.03                               | 1.43                         |
| PCC-Expr     | 10     | 86.89                            | 114.36                              | 2.38                         |
| QUIC Cubic   | 10     | 59.22                            | 99.43                               | 0.47                         |
| SCReAM       | 10     | 0.22                             | 86.07                               | 0.00                         |
| Sprout       | 10     | 0.36                             | 82.95                               | 0.00                         |
| TaoVA-100x   | 10     | 75.84                            | 109.90                              | 0.61                         |
| TCP Vegas    | 10     | 30.08                            | 87.02                               | 0.40                         |
| Verus        | 10     | 35.00                            | 129.12                              | 40.27                        |
| PCC-Vivace   | 10     | 76.88                            | 100.27                              | 0.09                         |
| WebRTC media | 10     | 1.83                             | 83.22                               | 0.01                         |

Run 1: Statistics of TCP BBR

Start at: 2018-07-09 20:02:56

End at: 2018-07-09 20:03:26

Local clock offset: -0.595 ms

Remote clock offset: 9.134 ms

# Below is generated by plot.py at 2018-07-09 23:18:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.81 Mbit/s

95th percentile per-packet one-way delay: 117.195 ms

Loss rate: 4.28%

-- Flow 1:

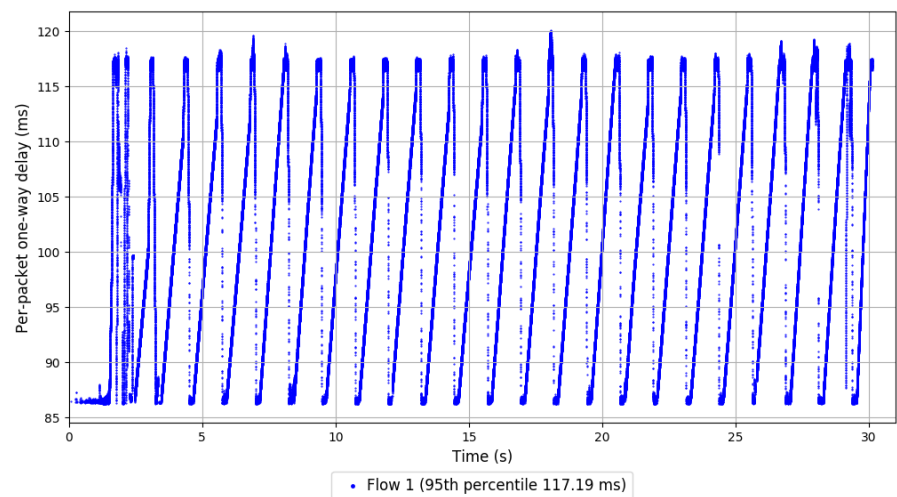
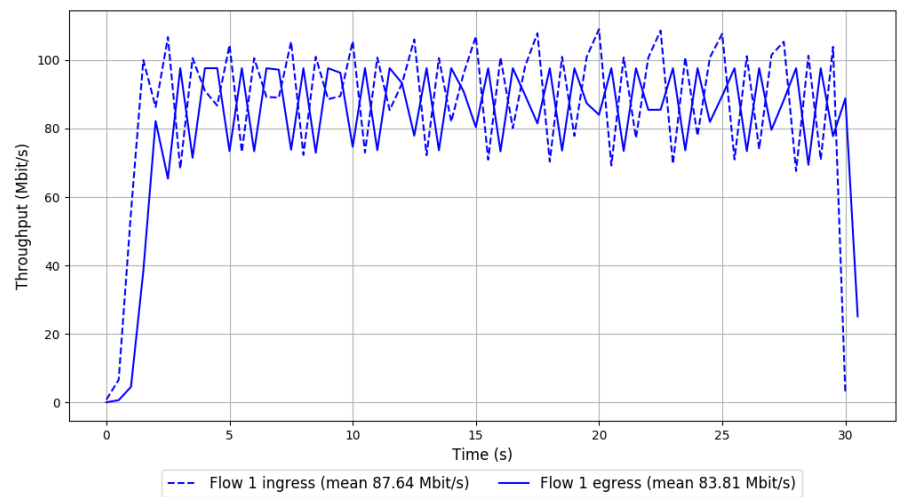
Average throughput: 83.81 Mbit/s

95th percentile per-packet one-way delay: 117.195 ms

Loss rate: 4.28%



Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-07-09 20:22:49

End at: 2018-07-09 20:23:19

Local clock offset: -0.571 ms

Remote clock offset: 2.998 ms

# Below is generated by plot.py at 2018-07-09 23:18:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.22 Mbit/s

95th percentile per-packet one-way delay: 111.774 ms

Loss rate: 3.96%

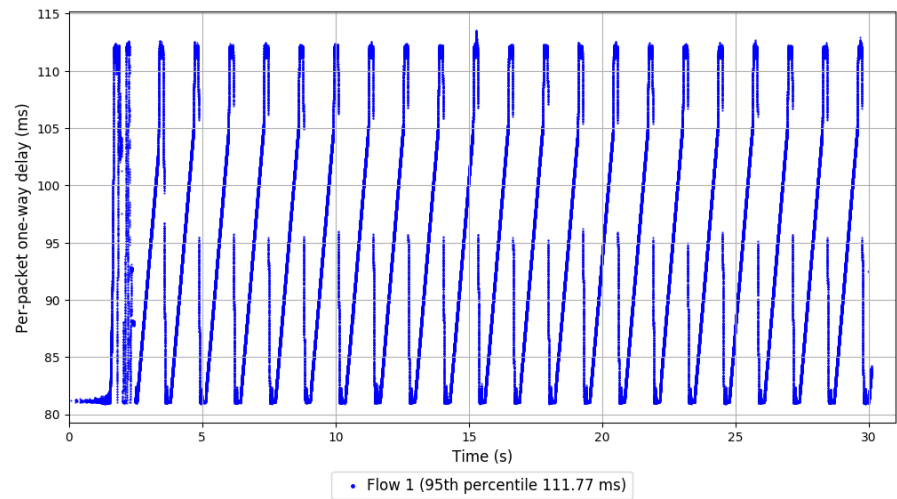
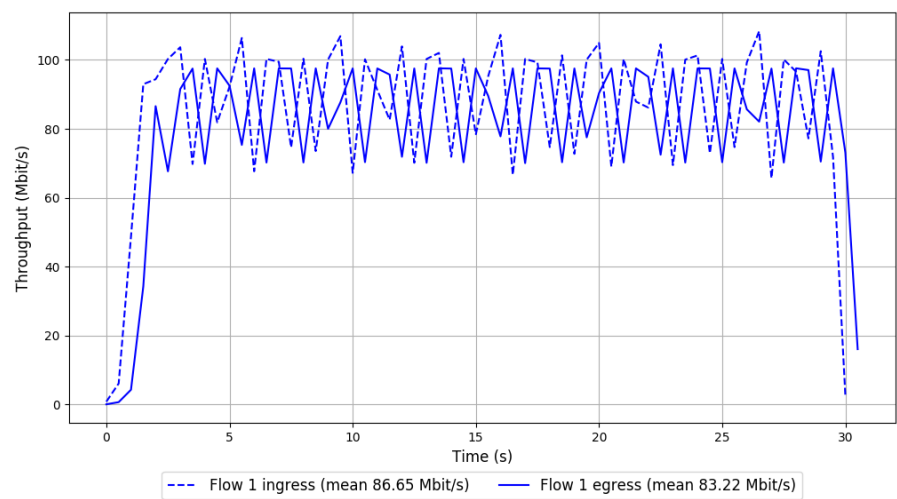
-- Flow 1:

Average throughput: 83.22 Mbit/s

95th percentile per-packet one-way delay: 111.774 ms

Loss rate: 3.96%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2018-07-09 20:42:43

End at: 2018-07-09 20:43:13

Local clock offset: -0.664 ms

Remote clock offset: 3.869 ms

# Below is generated by plot.py at 2018-07-09 23:18:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.09 Mbit/s

95th percentile per-packet one-way delay: 112.830 ms

Loss rate: 4.04%

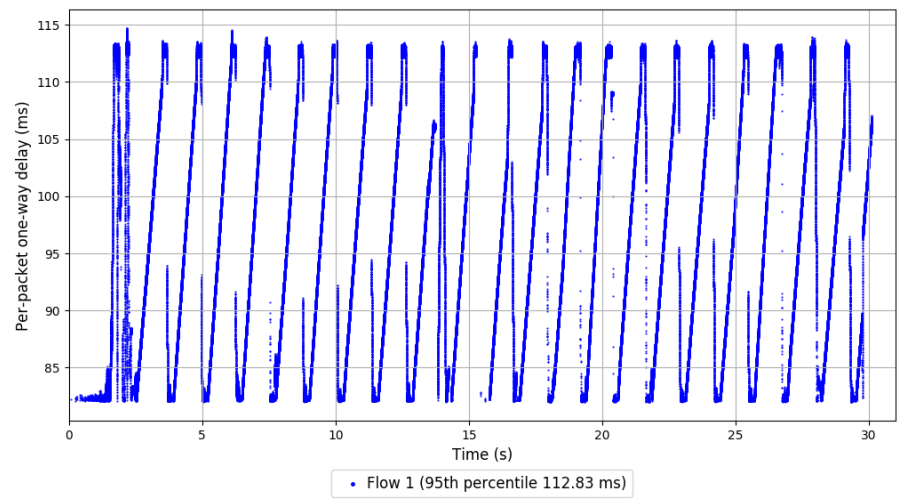
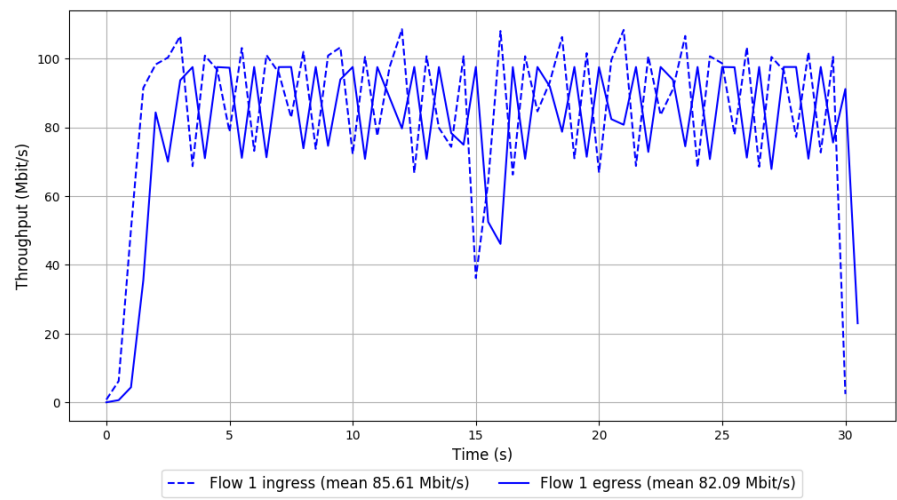
-- Flow 1:

Average throughput: 82.09 Mbit/s

95th percentile per-packet one-way delay: 112.830 ms

Loss rate: 4.04%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-07-09 21:02:33

End at: 2018-07-09 21:03:03

Local clock offset: -0.649 ms

Remote clock offset: 9.588 ms

# Below is generated by plot.py at 2018-07-09 23:18:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.19 Mbit/s

95th percentile per-packet one-way delay: 115.079 ms

Loss rate: 4.36%

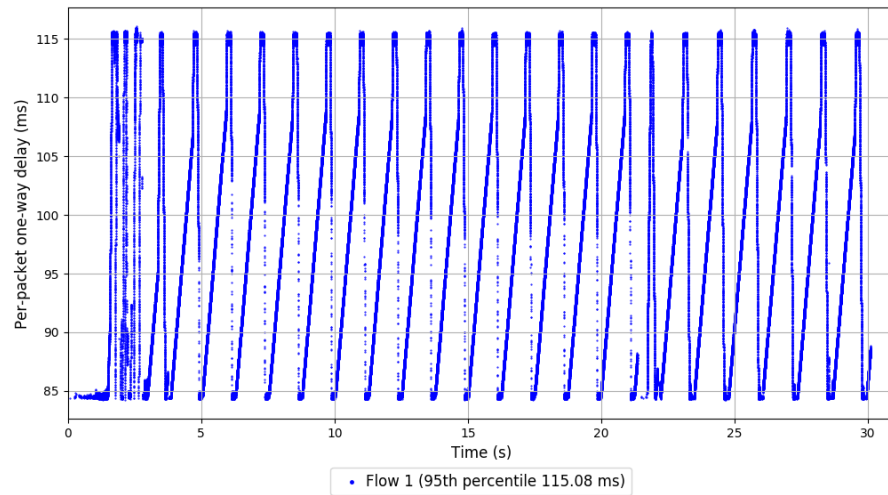
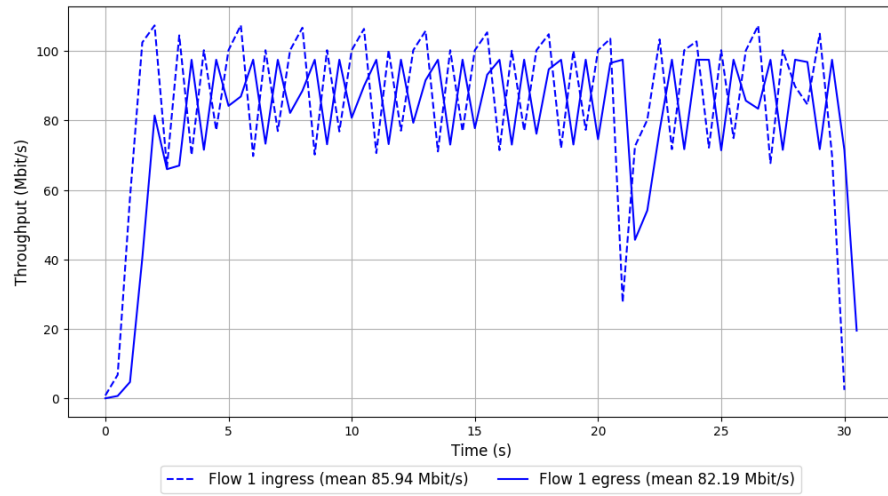
-- Flow 1:

Average throughput: 82.19 Mbit/s

95th percentile per-packet one-way delay: 115.079 ms

Loss rate: 4.36%

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



Run 5: Statistics of TCP BBR

Start at: 2018-07-09 21:22:26

End at: 2018-07-09 21:22:56

Local clock offset: -0.722 ms

Remote clock offset: 6.078 ms

# Below is generated by plot.py at 2018-07-09 23:18:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.35 Mbit/s

95th percentile per-packet one-way delay: 113.562 ms

Loss rate: 4.15%

-- Flow 1:

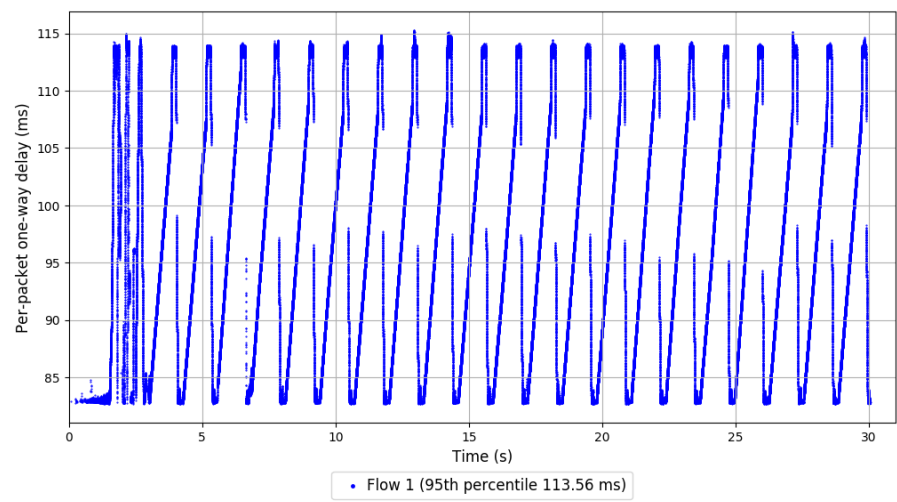
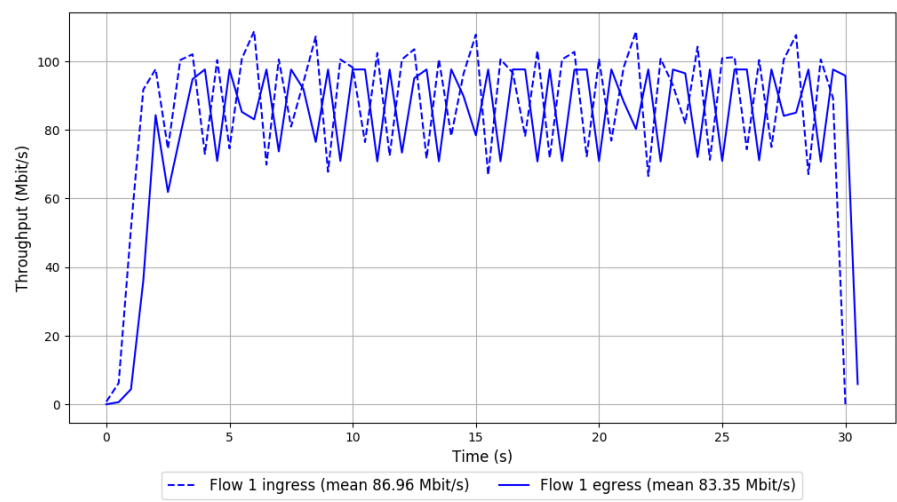
Average throughput: 83.35 Mbit/s

95th percentile per-packet one-way delay: 113.562 ms

Loss rate: 4.15%



Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-07-09 21:42:21

End at: 2018-07-09 21:42:51

Local clock offset: -0.678 ms

Remote clock offset: 8.618 ms

# Below is generated by plot.py at 2018-07-09 23:18:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.17 Mbit/s

95th percentile per-packet one-way delay: 110.950 ms

Loss rate: 4.13%

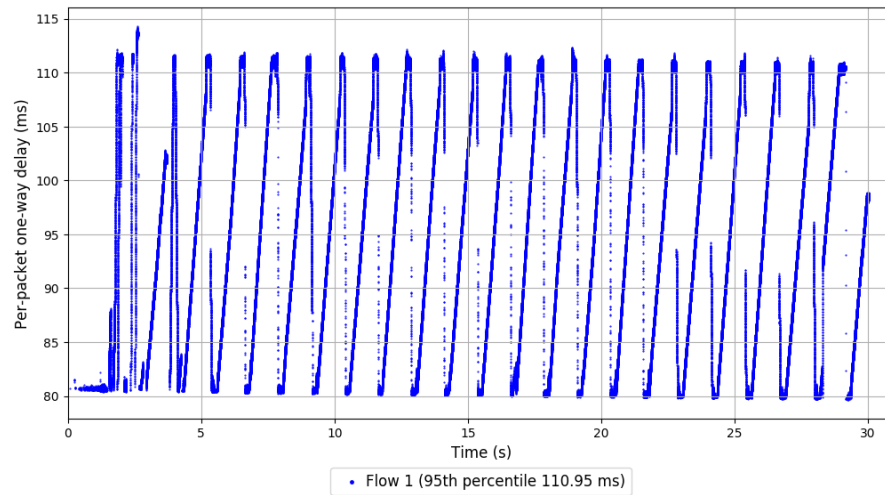
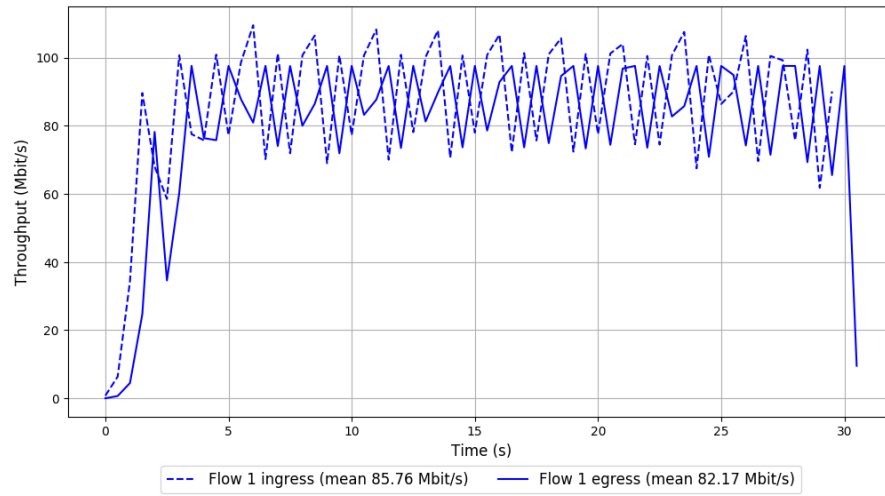
-- Flow 1:

Average throughput: 82.17 Mbit/s

95th percentile per-packet one-way delay: 110.950 ms

Loss rate: 4.13%

# Run 6: Report of TCP BBR — Data Link

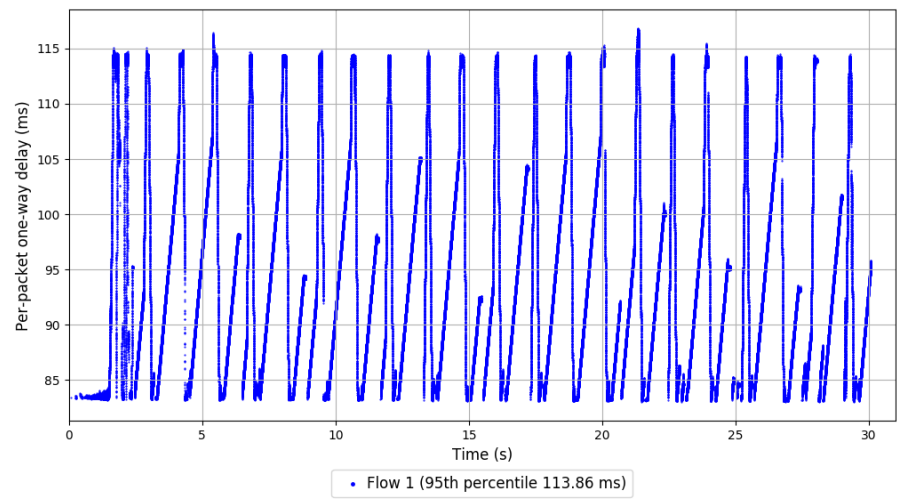
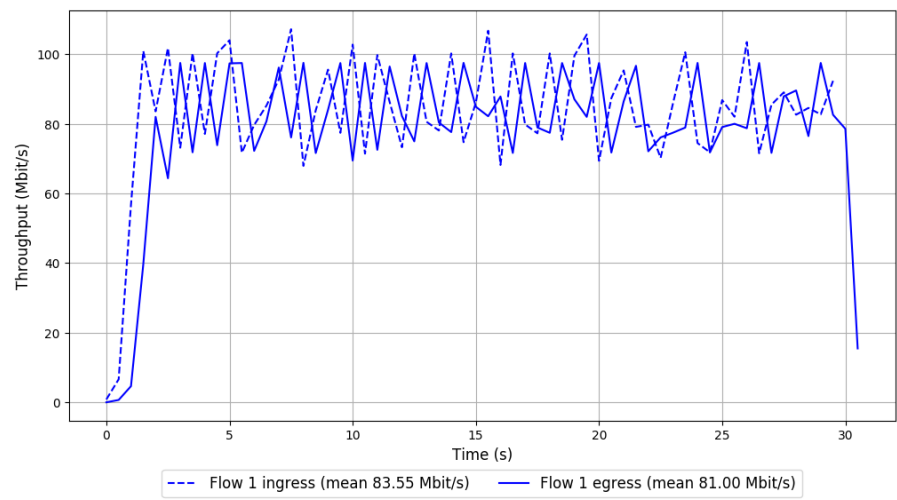


Run 7: Statistics of TCP BBR

Start at: 2018-07-09 22:02:19  
End at: 2018-07-09 22:02:49  
Local clock offset: -0.753 ms  
Remote clock offset: 29.683 ms

# Below is generated by plot.py at 2018-07-09 23:18:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.00 Mbit/s  
95th percentile per-packet one-way delay: 113.863 ms  
Loss rate: 3.01%  
-- Flow 1:  
Average throughput: 81.00 Mbit/s  
95th percentile per-packet one-way delay: 113.863 ms  
Loss rate: 3.01%

Run 7: Report of TCP BBR — Data Link

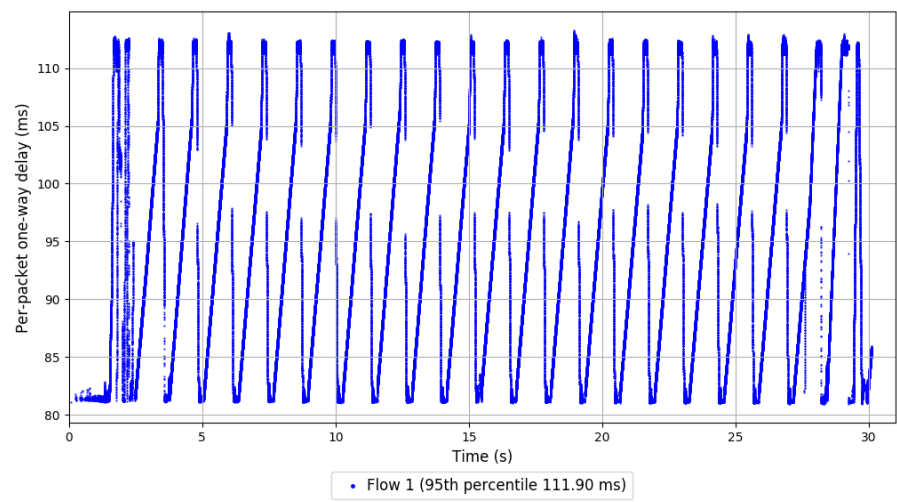
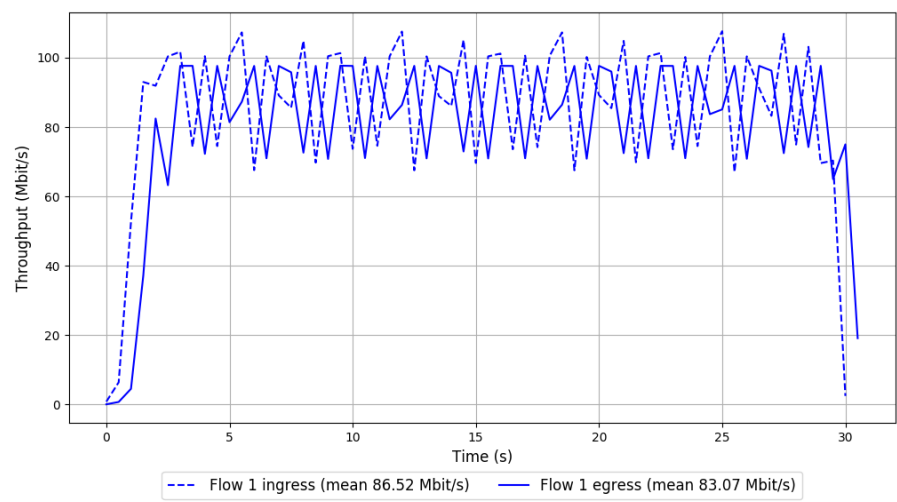


Run 8: Statistics of TCP BBR

Start at: 2018-07-09 22:22:11  
End at: 2018-07-09 22:22:41  
Local clock offset: -0.862 ms  
Remote clock offset: 32.896 ms

# Below is generated by plot.py at 2018-07-09 23:18:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.07 Mbit/s  
95th percentile per-packet one-way delay: 111.900 ms  
Loss rate: 3.97%  
-- Flow 1:  
Average throughput: 83.07 Mbit/s  
95th percentile per-packet one-way delay: 111.900 ms  
Loss rate: 3.97%

Run 8: Report of TCP BBR — Data Link



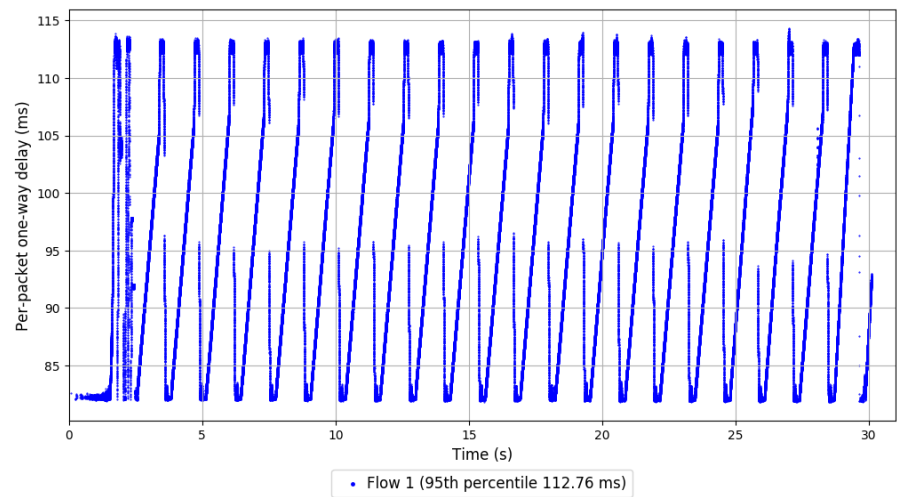
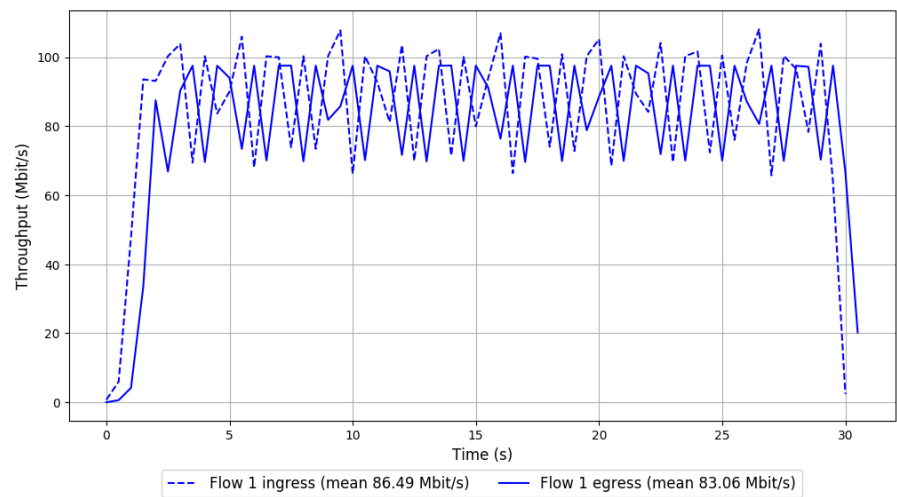
Run 9: Statistics of TCP BBR

Start at: 2018-07-09 22:42:04  
End at: 2018-07-09 22:42:34  
Local clock offset: -0.894 ms  
Remote clock offset: 38.995 ms

# Below is generated by plot.py at 2018-07-09 23:19:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.06 Mbit/s  
95th percentile per-packet one-way delay: 112.756 ms  
Loss rate: 3.93%  
-- Flow 1:  
Average throughput: 83.06 Mbit/s  
95th percentile per-packet one-way delay: 112.756 ms  
Loss rate: 3.93%



Run 9: Report of TCP BBR — Data Link

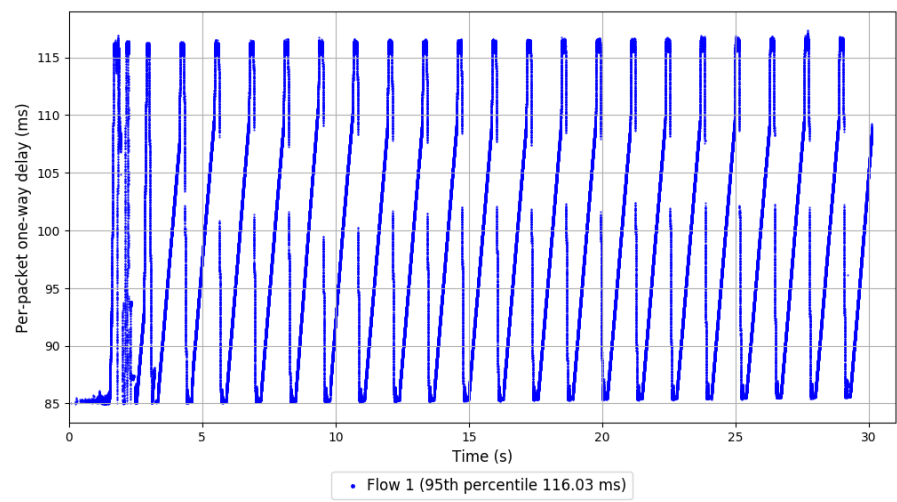
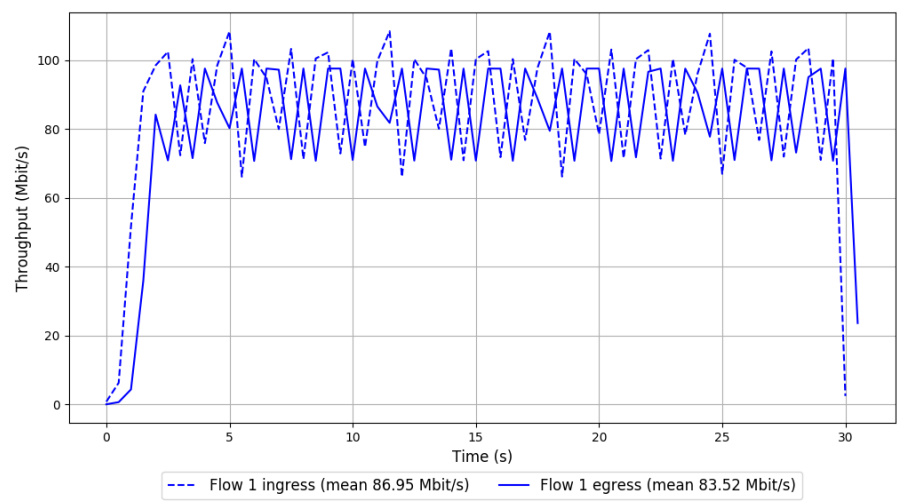


Run 10: Statistics of TCP BBR

Start at: 2018-07-09 23:01:53  
End at: 2018-07-09 23:02:23  
Local clock offset: -0.858 ms  
Remote clock offset: 17.083 ms

# Below is generated by plot.py at 2018-07-09 23:19:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.52 Mbit/s  
95th percentile per-packet one-way delay: 116.033 ms  
Loss rate: 3.86%  
-- Flow 1:  
Average throughput: 83.52 Mbit/s  
95th percentile per-packet one-way delay: 116.033 ms  
Loss rate: 3.86%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-07-09 19:58:13

End at: 2018-07-09 19:58:43

Local clock offset: -0.54 ms

Remote clock offset: 7.973 ms

# Below is generated by plot.py at 2018-07-09 23:20:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.51 Mbit/s

95th percentile per-packet one-way delay: 113.928 ms

Loss rate: 3.84%

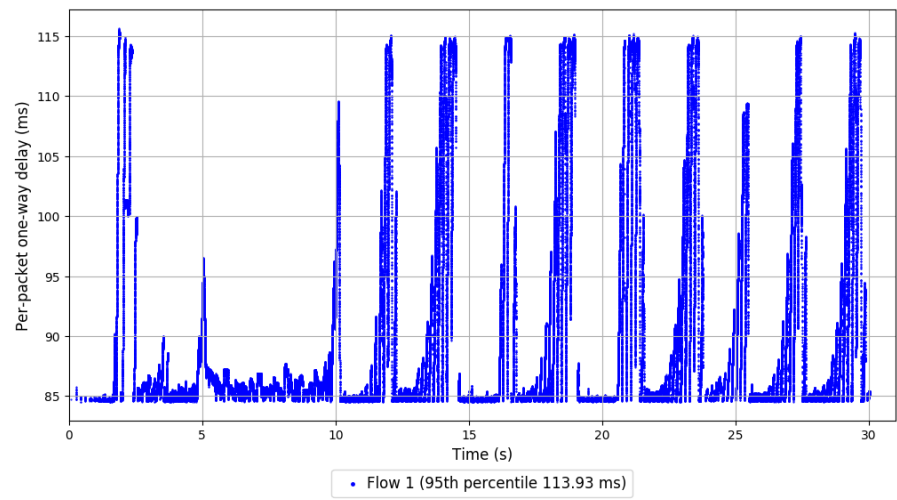
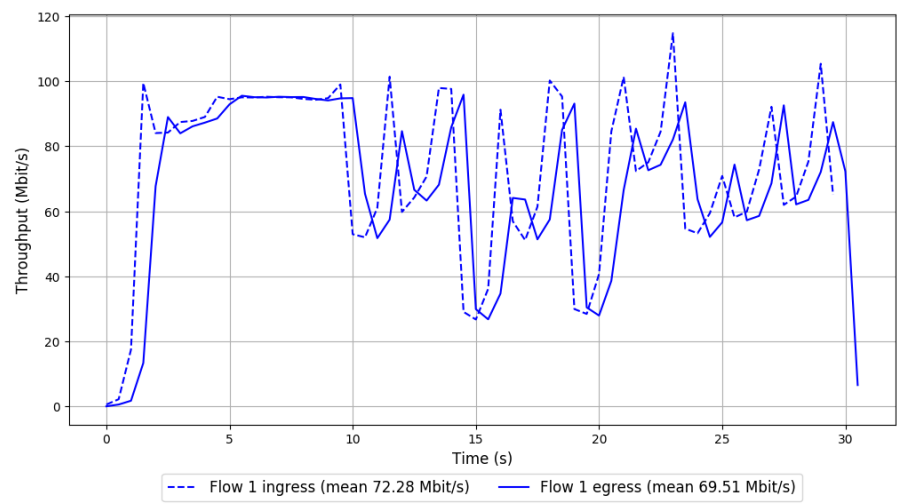
-- Flow 1:

Average throughput: 69.51 Mbit/s

95th percentile per-packet one-way delay: 113.928 ms

Loss rate: 3.84%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-07-09 20:18:02

End at: 2018-07-09 20:18:32

Local clock offset: -0.478 ms

Remote clock offset: 3.964 ms

# Below is generated by plot.py at 2018-07-09 23:20:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.40 Mbit/s

95th percentile per-packet one-way delay: 111.050 ms

Loss rate: 3.21%

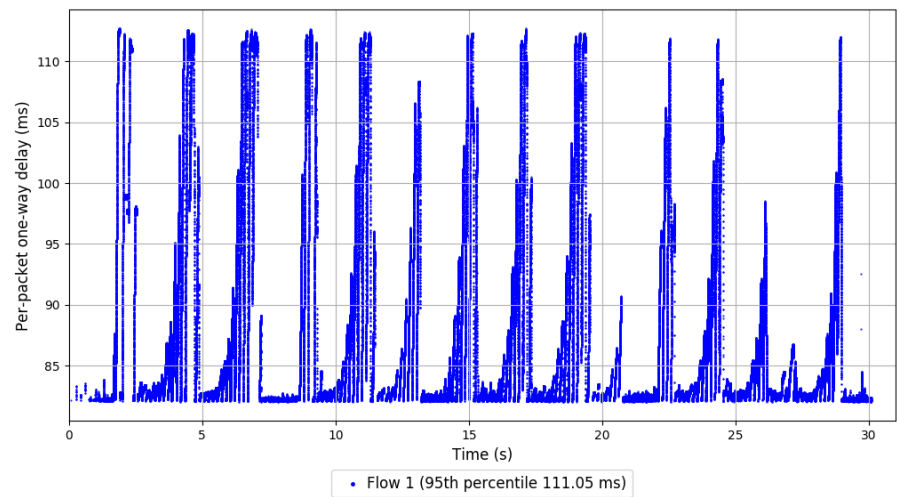
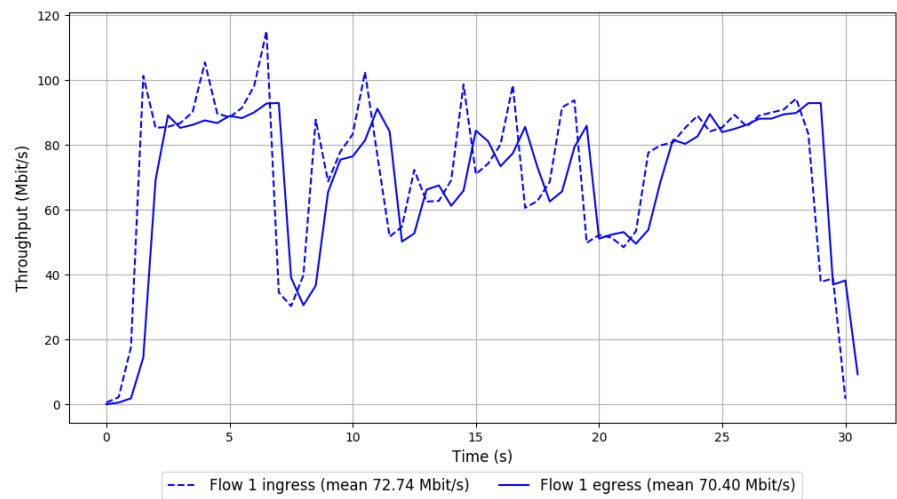
-- Flow 1:

Average throughput: 70.40 Mbit/s

95th percentile per-packet one-way delay: 111.050 ms

Loss rate: 3.21%

Run 2: Report of Copa — Data Link



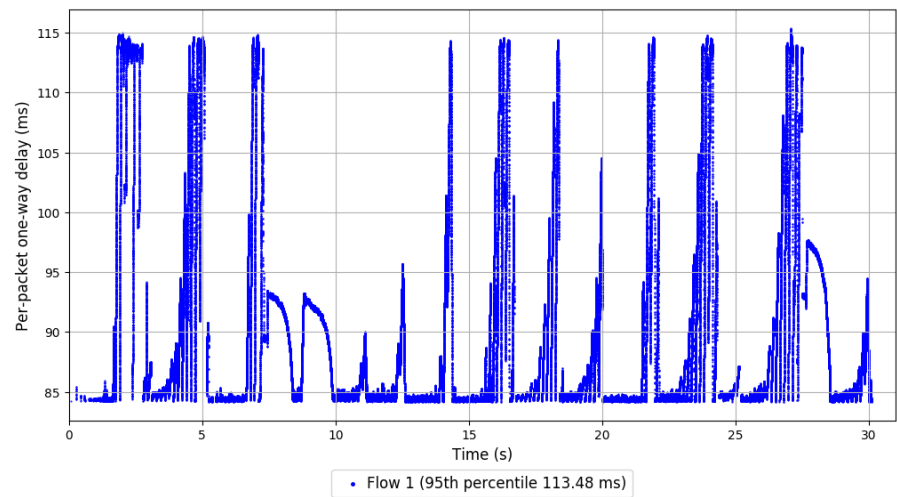
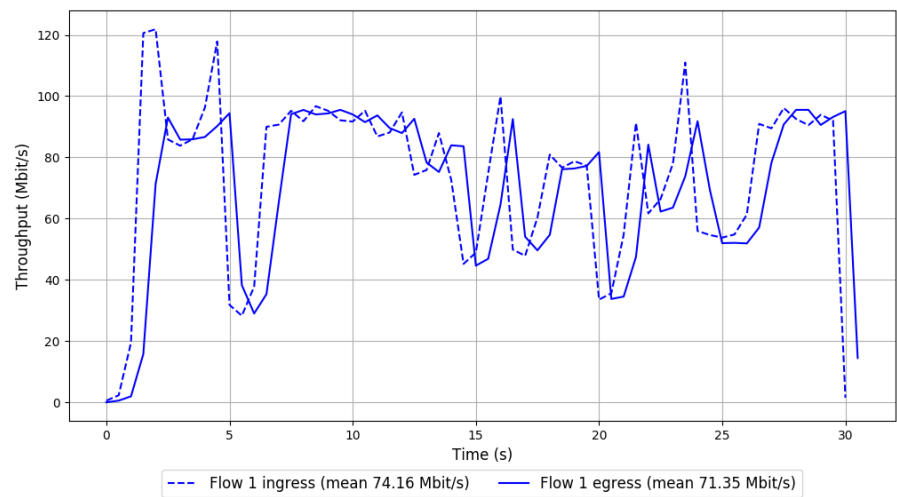
Run 3: Statistics of Copa

Start at: 2018-07-09 20:37:58  
End at: 2018-07-09 20:38:28  
Local clock offset: -0.626 ms  
Remote clock offset: 8.529 ms

# Below is generated by plot.py at 2018-07-09 23:20:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 71.35 Mbit/s  
95th percentile per-packet one-way delay: 113.482 ms  
Loss rate: 3.79%  
-- Flow 1:  
Average throughput: 71.35 Mbit/s  
95th percentile per-packet one-way delay: 113.482 ms  
Loss rate: 3.79%



Run 3: Report of Copa — Data Link

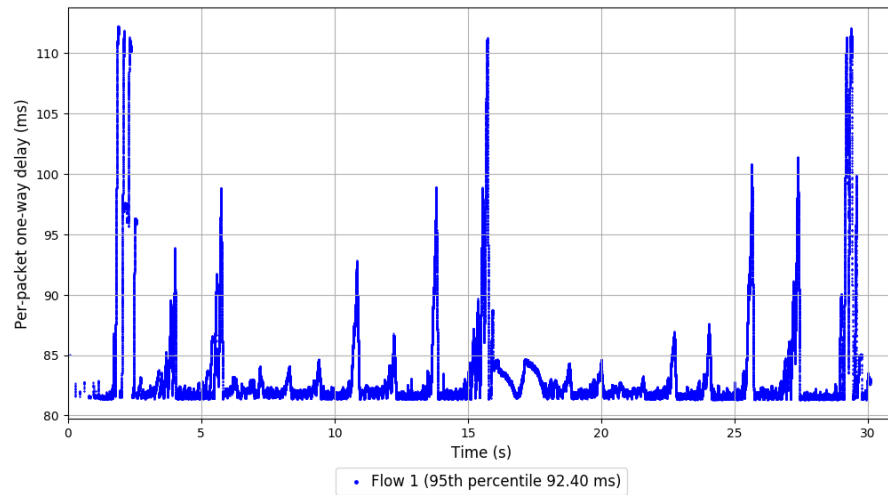
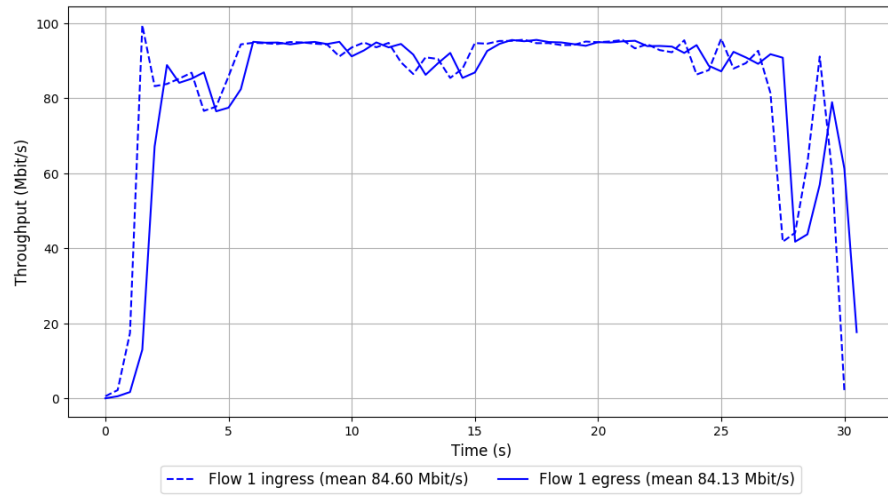


Run 4: Statistics of Copa

Start at: 2018-07-09 20:57:48  
End at: 2018-07-09 20:58:19  
Local clock offset: -0.658 ms  
Remote clock offset: 5.452 ms

# Below is generated by plot.py at 2018-07-09 23:20:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.13 Mbit/s  
95th percentile per-packet one-way delay: 92.397 ms  
Loss rate: 0.56%  
-- Flow 1:  
Average throughput: 84.13 Mbit/s  
95th percentile per-packet one-way delay: 92.397 ms  
Loss rate: 0.56%

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



Run 5: Statistics of Copa

Start at: 2018-07-09 21:17:42

End at: 2018-07-09 21:18:12

Local clock offset: -0.73 ms

Remote clock offset: 4.81 ms

# Below is generated by plot.py at 2018-07-09 23:20:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.08 Mbit/s

95th percentile per-packet one-way delay: 106.389 ms

Loss rate: 2.00%

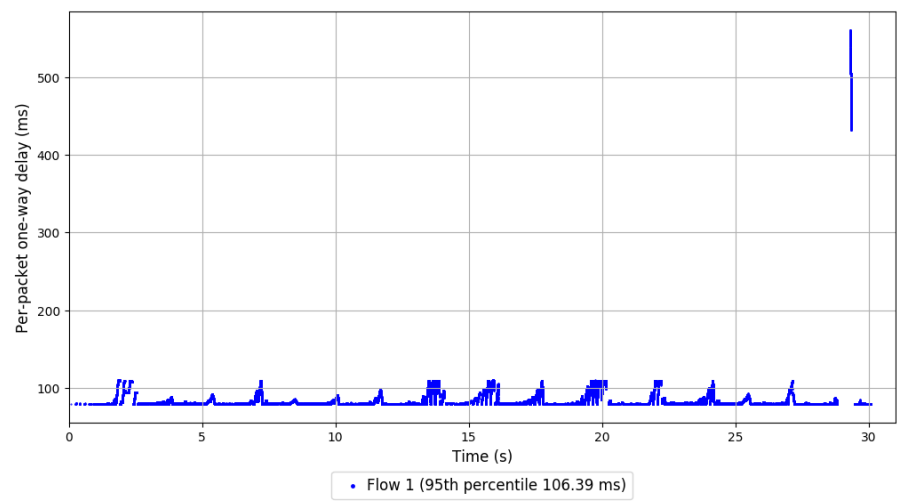
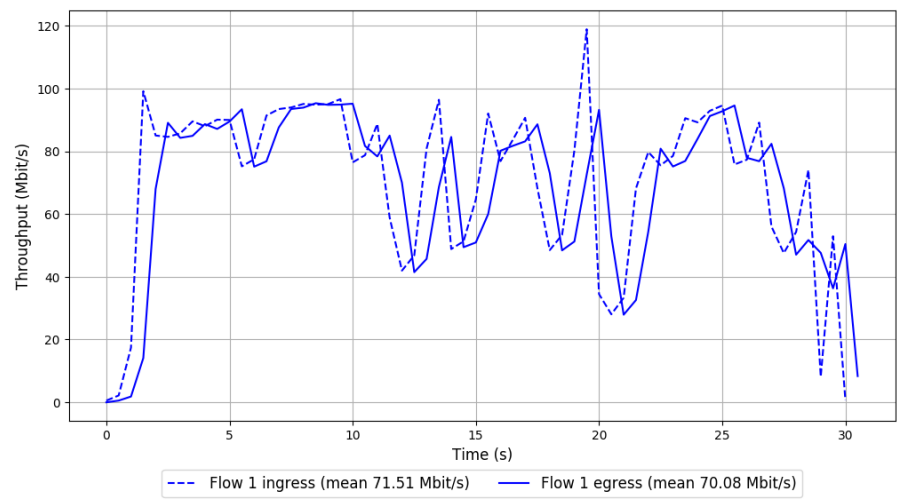
-- Flow 1:

Average throughput: 70.08 Mbit/s

95th percentile per-packet one-way delay: 106.389 ms

Loss rate: 2.00%

Run 5: Report of Copa — Data Link

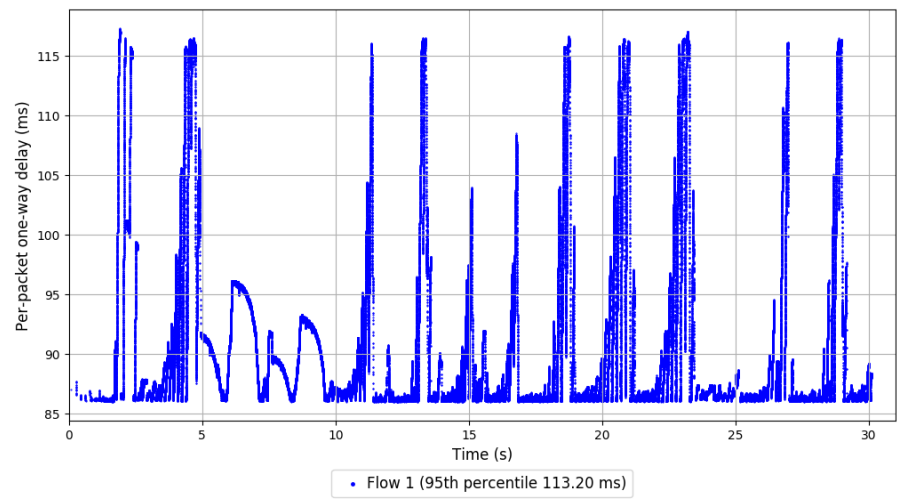
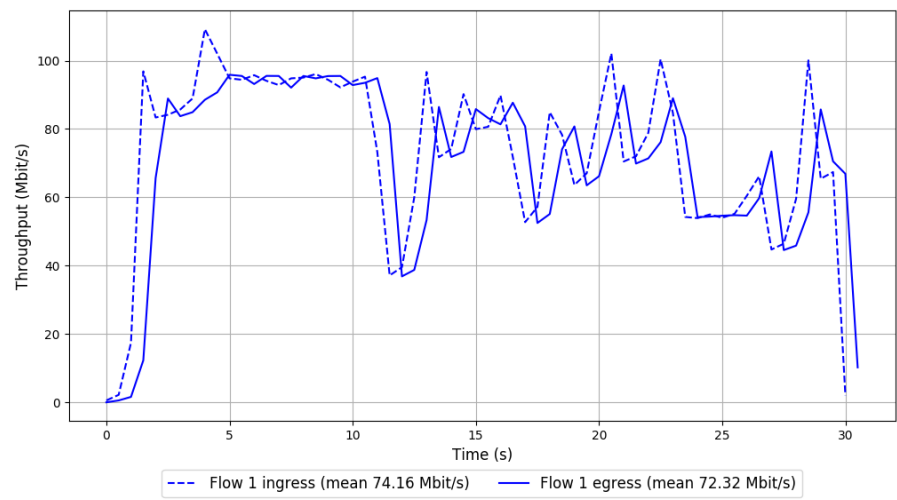


Run 6: Statistics of Copa

Start at: 2018-07-09 21:37:37  
End at: 2018-07-09 21:38:07  
Local clock offset: -0.653 ms  
Remote clock offset: 10.324 ms

# Below is generated by plot.py at 2018-07-09 23:20:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 72.32 Mbit/s  
95th percentile per-packet one-way delay: 113.203 ms  
Loss rate: 2.48%  
-- Flow 1:  
Average throughput: 72.32 Mbit/s  
95th percentile per-packet one-way delay: 113.203 ms  
Loss rate: 2.48%

Run 6: Report of Copa — Data Link



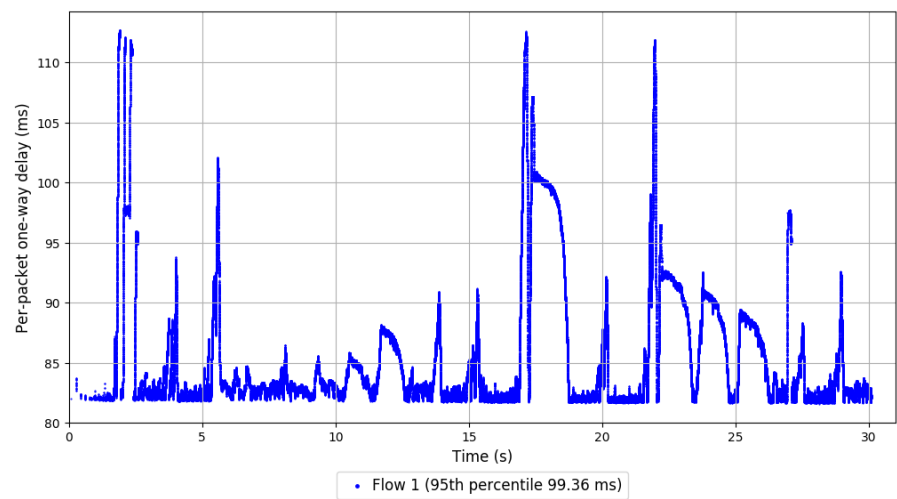
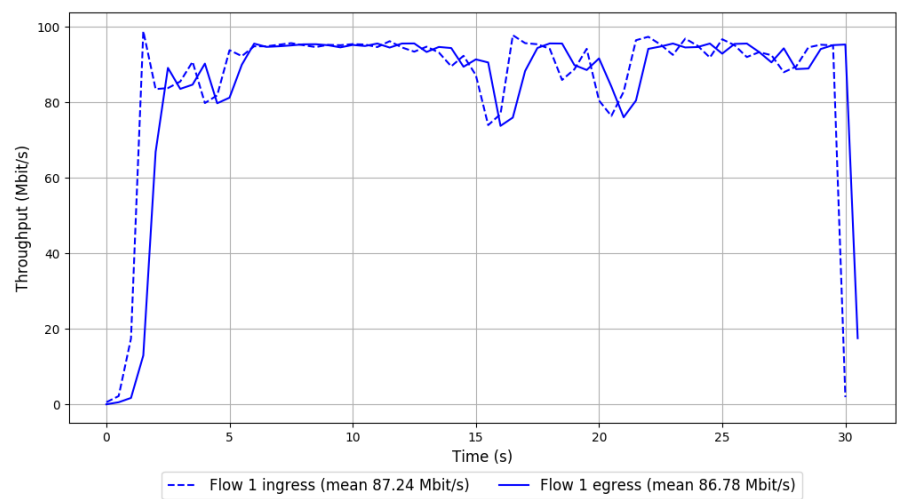
Run 7: Statistics of Copa

Start at: 2018-07-09 21:57:34  
End at: 2018-07-09 21:58:04  
Local clock offset: -0.721 ms  
Remote clock offset: 24.579 ms

# Below is generated by plot.py at 2018-07-09 23:22:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.78 Mbit/s  
95th percentile per-packet one-way delay: 99.360 ms  
Loss rate: 0.52%  
-- Flow 1:  
Average throughput: 86.78 Mbit/s  
95th percentile per-packet one-way delay: 99.360 ms  
Loss rate: 0.52%



Run 7: Report of Copa — Data Link

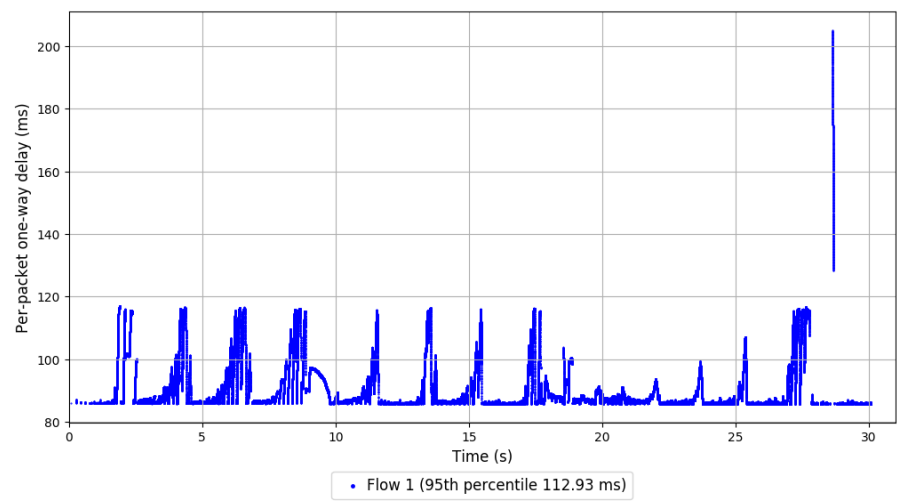
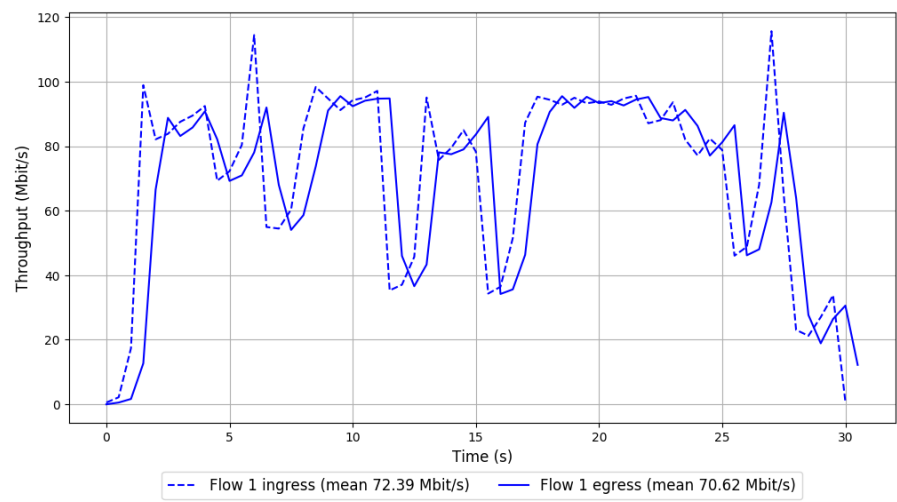


Run 8: Statistics of Copa

Start at: 2018-07-09 22:17:25  
End at: 2018-07-09 22:17:55  
Local clock offset: -0.792 ms  
Remote clock offset: 36.328 ms

# Below is generated by plot.py at 2018-07-09 23:22:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.62 Mbit/s  
95th percentile per-packet one-way delay: 112.933 ms  
Loss rate: 2.45%  
-- Flow 1:  
Average throughput: 70.62 Mbit/s  
95th percentile per-packet one-way delay: 112.933 ms  
Loss rate: 2.45%

Run 8: Report of Copa — Data Link

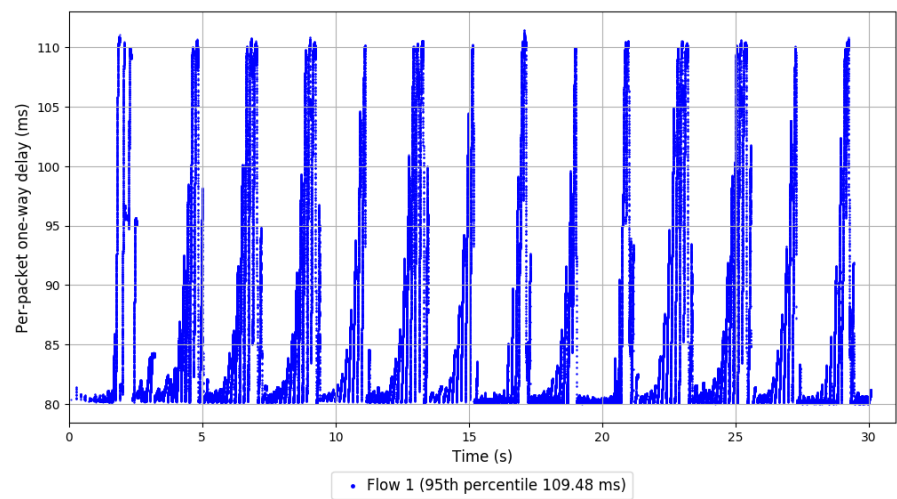
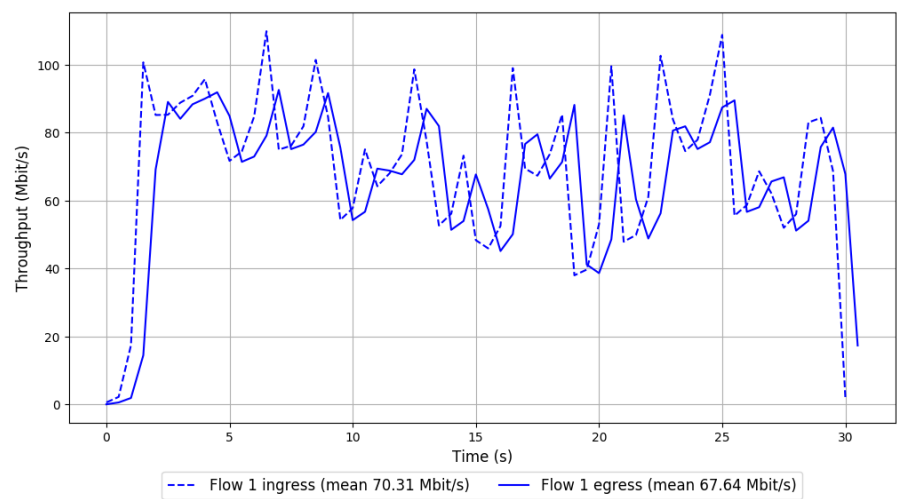


Run 9: Statistics of Copa

Start at: 2018-07-09 22:37:19  
End at: 2018-07-09 22:37:49  
Local clock offset: -0.857 ms  
Remote clock offset: 38.581 ms

# Below is generated by plot.py at 2018-07-09 23:22:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 67.64 Mbit/s  
95th percentile per-packet one-way delay: 109.481 ms  
Loss rate: 3.80%  
-- Flow 1:  
Average throughput: 67.64 Mbit/s  
95th percentile per-packet one-way delay: 109.481 ms  
Loss rate: 3.80%

Run 9: Report of Copa — Data Link

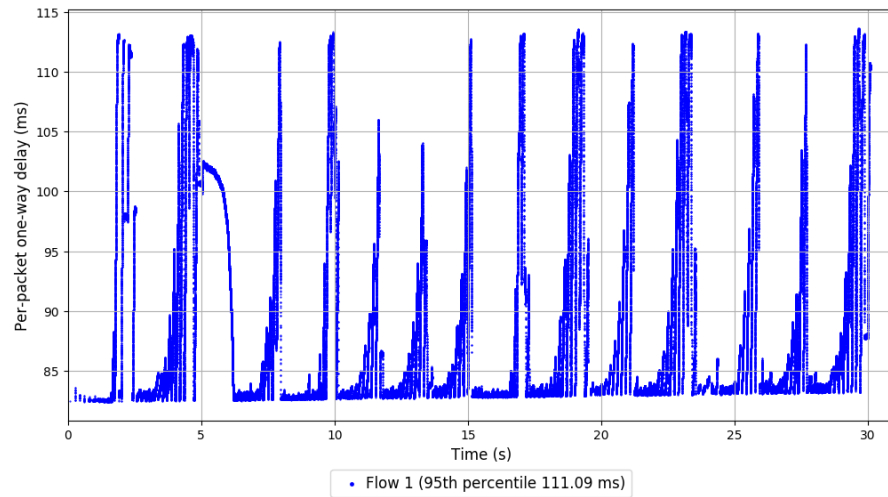
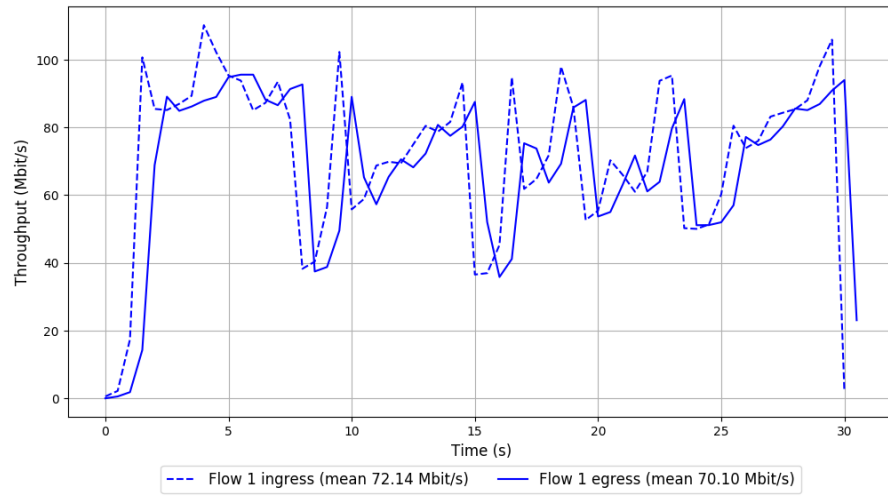


Run 10: Statistics of Copa

Start at: 2018-07-09 22:57:10  
End at: 2018-07-09 22:57:40  
Local clock offset: -0.859 ms  
Remote clock offset: 19.612 ms

# Below is generated by plot.py at 2018-07-09 23:22:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.10 Mbit/s  
95th percentile per-packet one-way delay: 111.091 ms  
Loss rate: 2.74%  
-- Flow 1:  
Average throughput: 70.10 Mbit/s  
95th percentile per-packet one-way delay: 111.091 ms  
Loss rate: 2.74%

# Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-07-09 20:04:07

End at: 2018-07-09 20:04:37

Local clock offset: -0.586 ms

Remote clock offset: 3.02 ms

# Below is generated by plot.py at 2018-07-09 23:22:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 18.52 Mbit/s

95th percentile per-packet one-way delay: 82.975 ms

Loss rate: 0.68%

-- Flow 1:

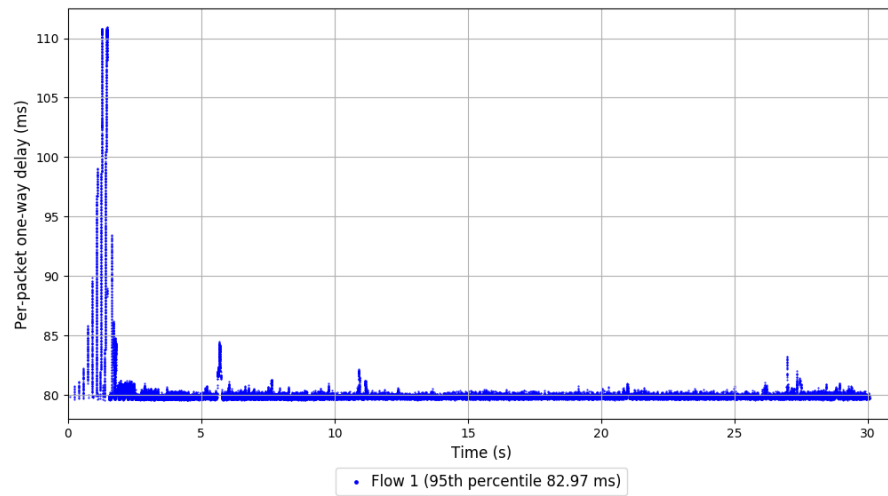
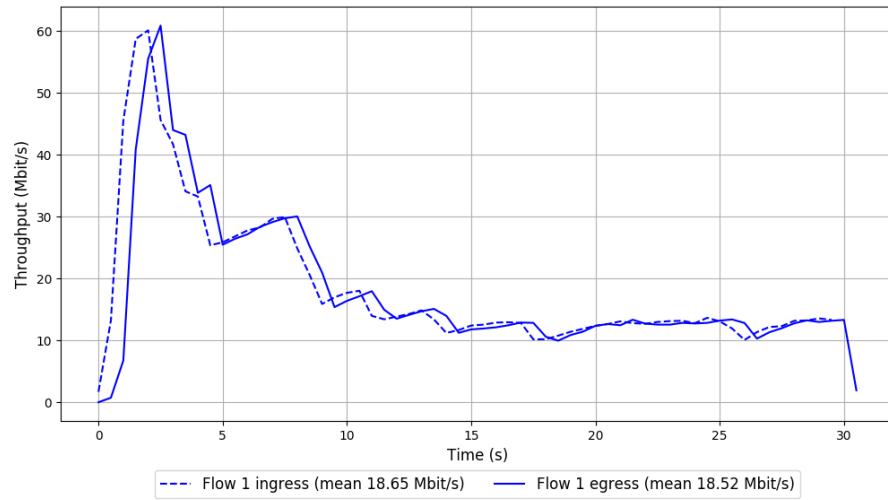
Average throughput: 18.52 Mbit/s

95th percentile per-packet one-way delay: 82.975 ms

Loss rate: 0.68%



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



Run 2: Statistics of TCP Cubic

Start at: 2018-07-09 20:24:00

End at: 2018-07-09 20:24:30

Local clock offset: -0.49 ms

Remote clock offset: 8.065 ms

# Below is generated by plot.py at 2018-07-09 23:22:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 28.61 Mbit/s

95th percentile per-packet one-way delay: 85.308 ms

Loss rate: 0.45%

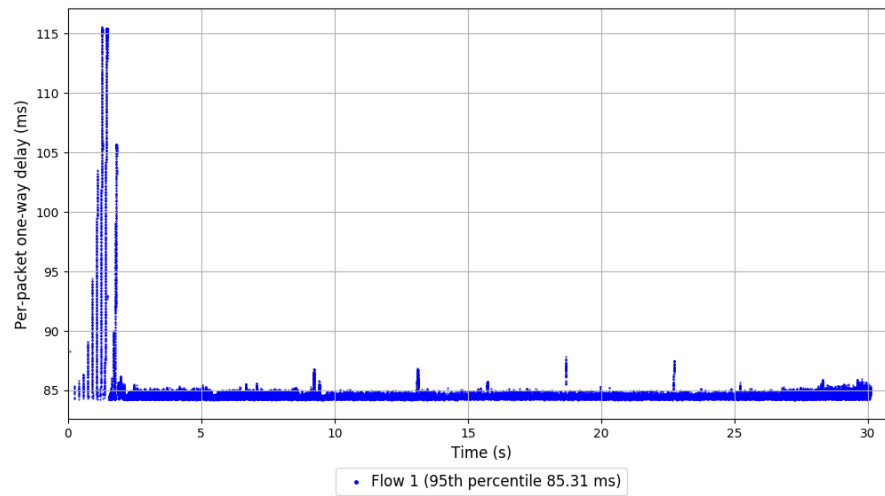
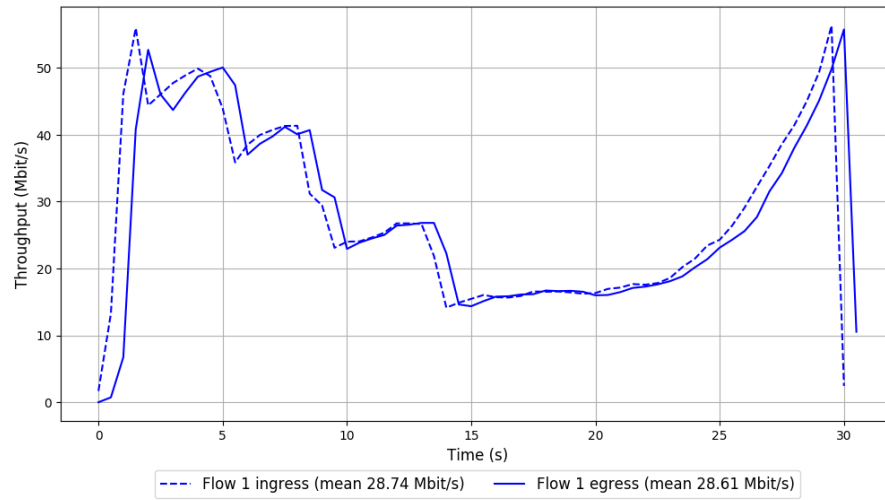
-- Flow 1:

Average throughput: 28.61 Mbit/s

95th percentile per-packet one-way delay: 85.308 ms

Loss rate: 0.45%

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



Run 3: Statistics of TCP Cubic

Start at: 2018-07-09 20:43:54

End at: 2018-07-09 20:44:24

Local clock offset: -0.623 ms

Remote clock offset: 7.676 ms

# Below is generated by plot.py at 2018-07-09 23:22:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.29 Mbit/s

95th percentile per-packet one-way delay: 103.112 ms

Loss rate: 0.32%

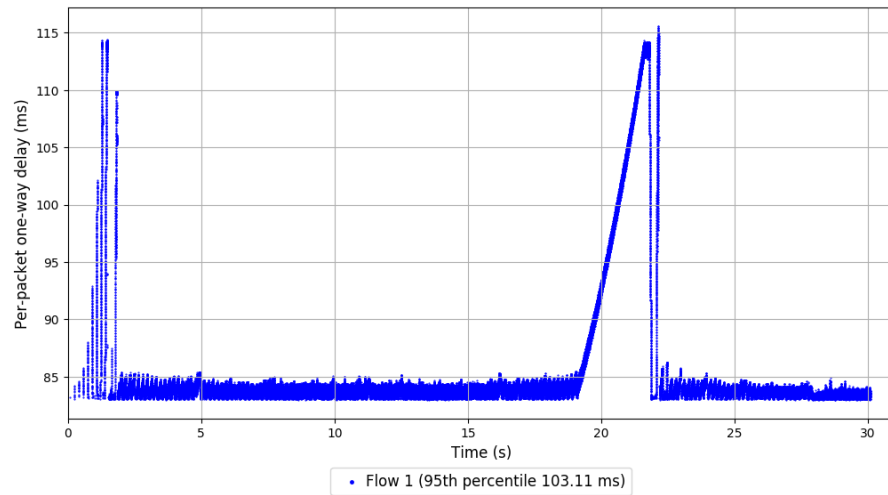
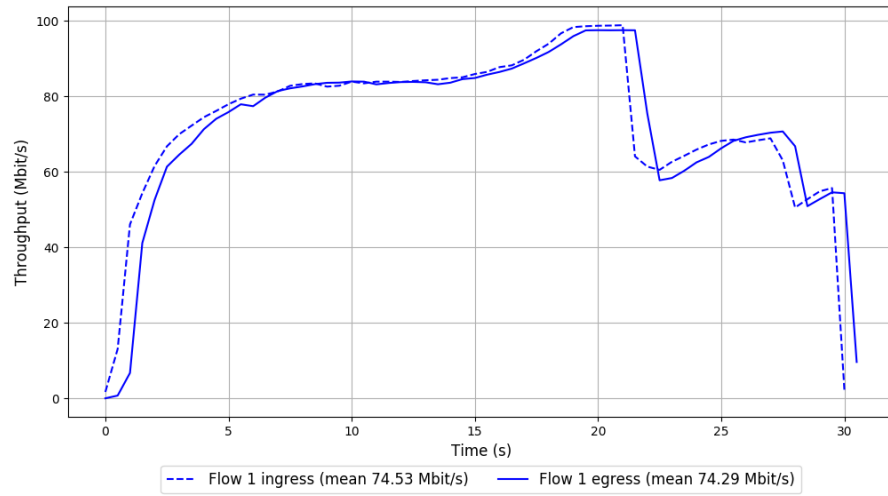
-- Flow 1:

Average throughput: 74.29 Mbit/s

95th percentile per-packet one-way delay: 103.112 ms

Loss rate: 0.32%

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



Run 4: Statistics of TCP Cubic

Start at: 2018-07-09 21:03:44

End at: 2018-07-09 21:04:14

Local clock offset: -0.633 ms

Remote clock offset: 8.505 ms

# Below is generated by plot.py at 2018-07-09 23:22:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.79 Mbit/s

95th percentile per-packet one-way delay: 105.185 ms

Loss rate: 0.35%

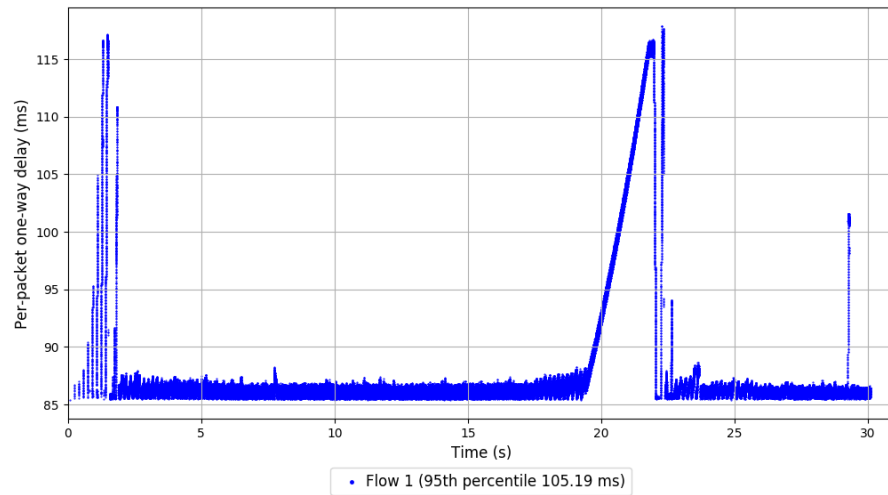
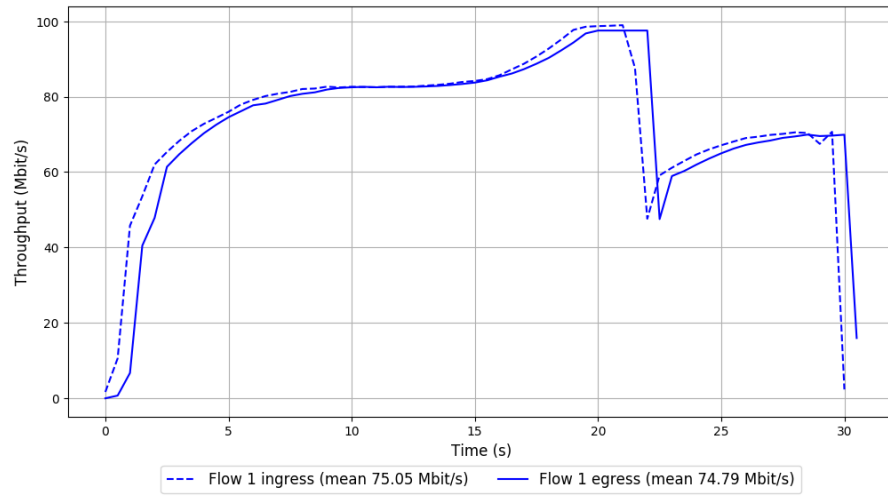
-- Flow 1:

Average throughput: 74.79 Mbit/s

95th percentile per-packet one-way delay: 105.185 ms

Loss rate: 0.35%

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



Run 5: Statistics of TCP Cubic

Start at: 2018-07-09 21:23:37

End at: 2018-07-09 21:24:07

Local clock offset: -0.71 ms

Remote clock offset: 9.95 ms

# Below is generated by plot.py at 2018-07-09 23:22:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.04 Mbit/s

95th percentile per-packet one-way delay: 110.642 ms

Loss rate: 0.31%

-- Flow 1:

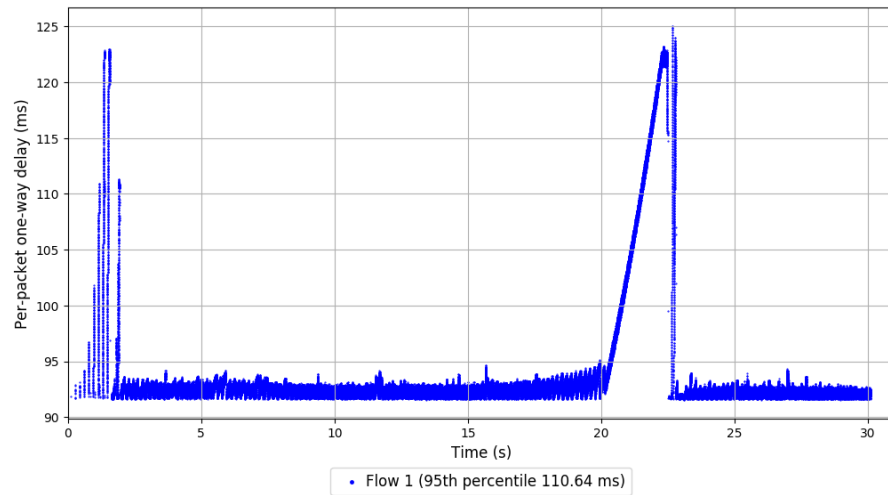
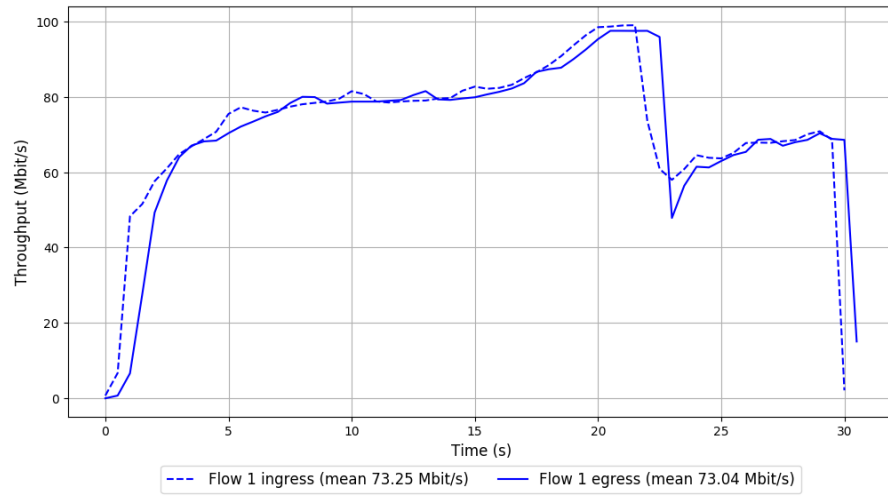
Average throughput: 73.04 Mbit/s

95th percentile per-packet one-way delay: 110.642 ms

Loss rate: 0.31%



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

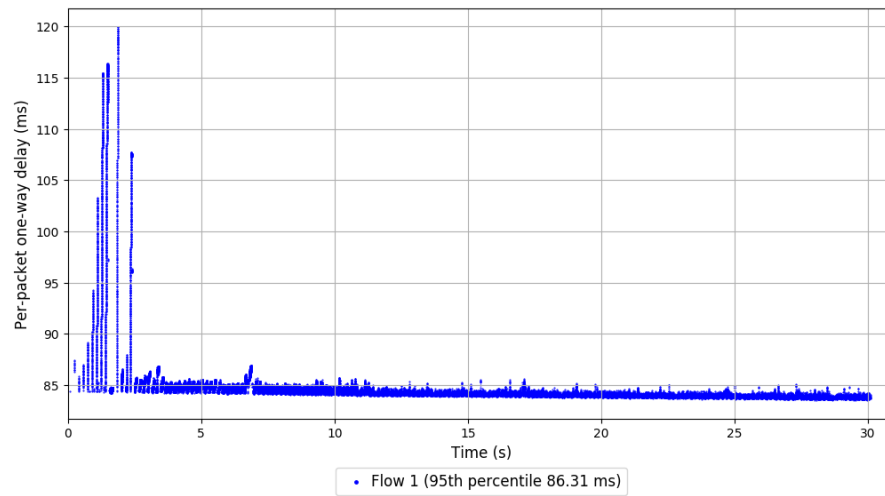
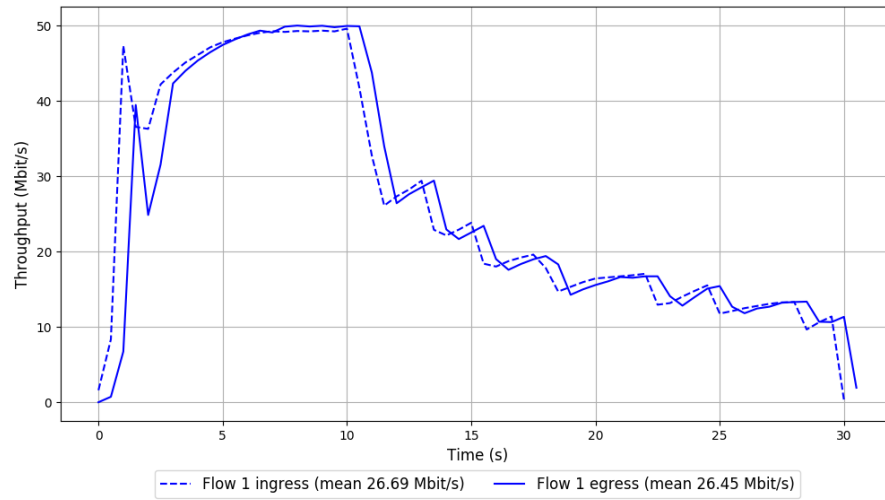


Run 6: Statistics of TCP Cubic

Start at: 2018-07-09 21:43:32  
End at: 2018-07-09 21:44:02  
Local clock offset: -0.683 ms  
Remote clock offset: 15.561 ms

# Below is generated by plot.py at 2018-07-09 23:22:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 26.45 Mbit/s  
95th percentile per-packet one-way delay: 86.314 ms  
Loss rate: 0.92%  
-- Flow 1:  
Average throughput: 26.45 Mbit/s  
95th percentile per-packet one-way delay: 86.314 ms  
Loss rate: 0.92%

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

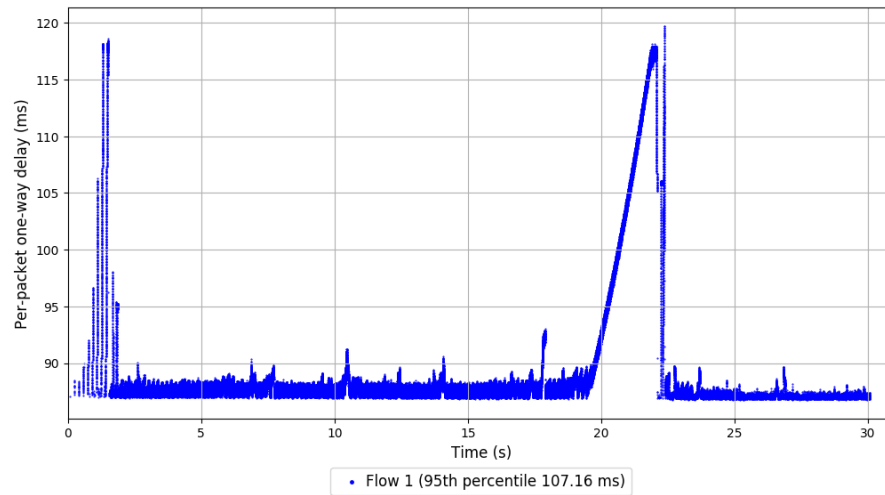
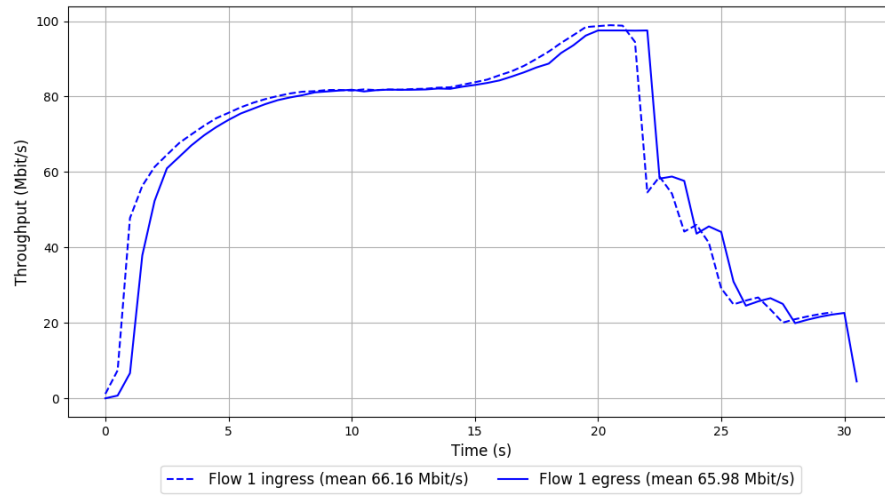


Run 7: Statistics of TCP Cubic

Start at: 2018-07-09 22:03:30  
End at: 2018-07-09 22:04:00  
Local clock offset: -0.73 ms  
Remote clock offset: 32.321 ms

# Below is generated by plot.py at 2018-07-09 23:22:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 65.98 Mbit/s  
95th percentile per-packet one-way delay: 107.163 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 65.98 Mbit/s  
95th percentile per-packet one-way delay: 107.163 ms  
Loss rate: 0.28%

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

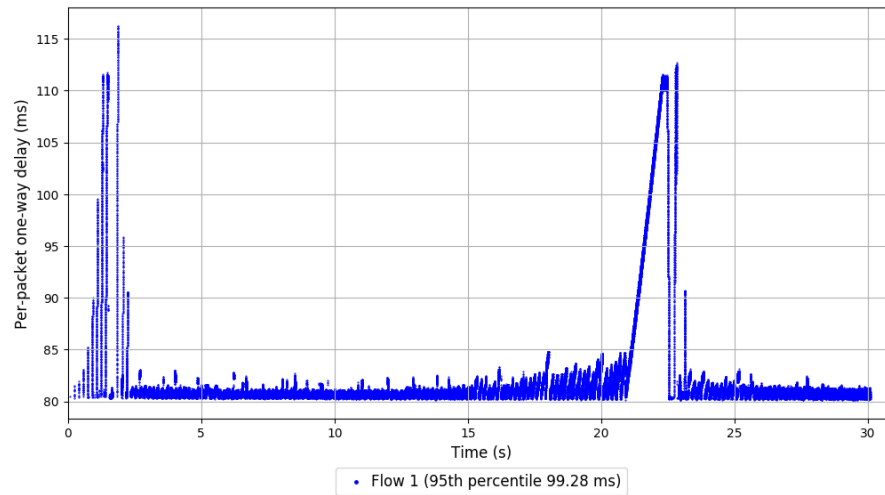
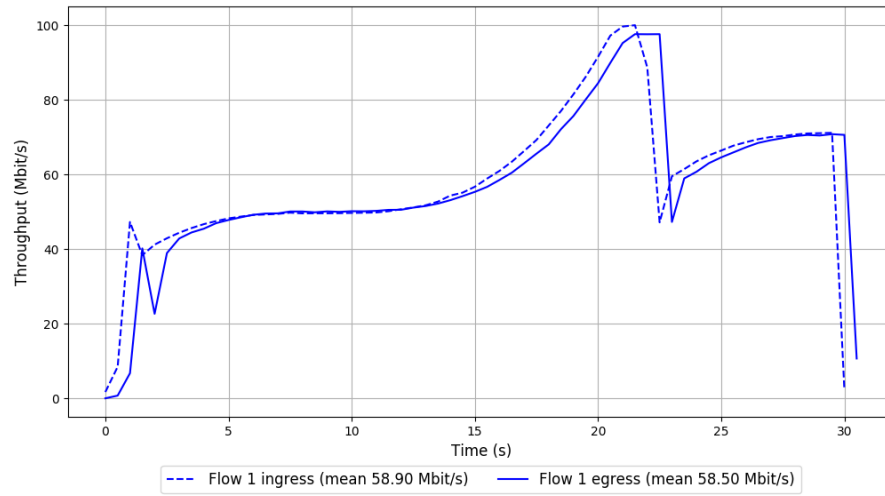


Run 8: Statistics of TCP Cubic

Start at: 2018-07-09 22:23:22  
End at: 2018-07-09 22:23:52  
Local clock offset: -0.792 ms  
Remote clock offset: 33.172 ms

# Below is generated by plot.py at 2018-07-09 23:22:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 58.50 Mbit/s  
95th percentile per-packet one-way delay: 99.279 ms  
Loss rate: 0.68%  
-- Flow 1:  
Average throughput: 58.50 Mbit/s  
95th percentile per-packet one-way delay: 99.279 ms  
Loss rate: 0.68%

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



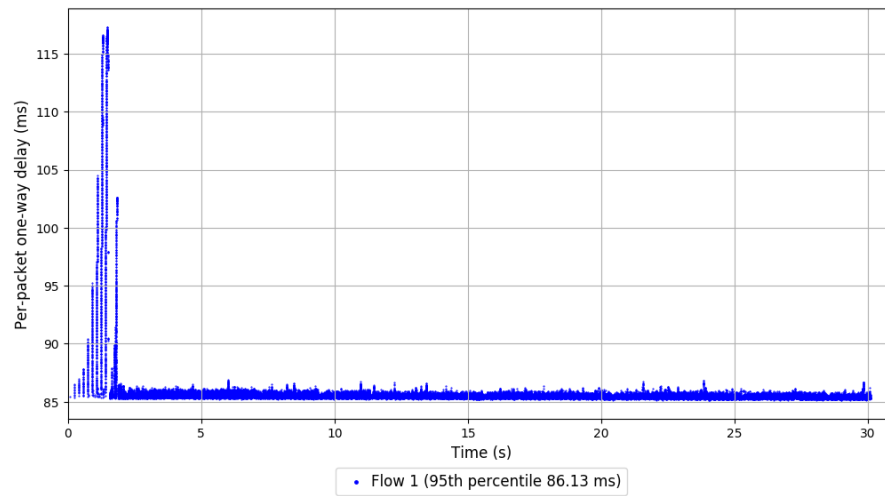
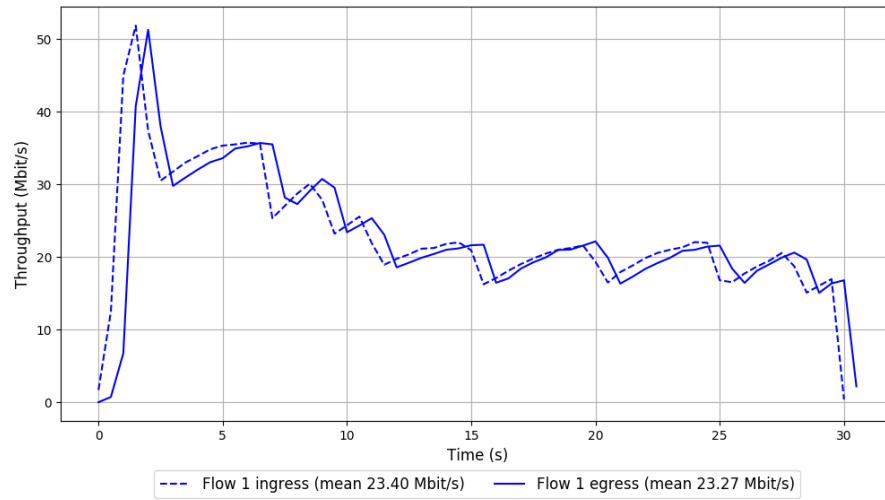
Run 9: Statistics of TCP Cubic

Start at: 2018-07-09 22:43:15  
End at: 2018-07-09 22:43:45  
Local clock offset: -0.867 ms  
Remote clock offset: 44.289 ms

# Below is generated by plot.py at 2018-07-09 23:22:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 23.27 Mbit/s  
95th percentile per-packet one-way delay: 86.127 ms  
Loss rate: 0.55%  
-- Flow 1:  
Average throughput: 23.27 Mbit/s  
95th percentile per-packet one-way delay: 86.127 ms  
Loss rate: 0.55%



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



Run 10: Statistics of TCP Cubic

Start at: 2018-07-09 23:03:05

End at: 2018-07-09 23:03:35

Local clock offset: -0.871 ms

Remote clock offset: 16.675 ms

# Below is generated by plot.py at 2018-07-09 23:22:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 19.67 Mbit/s

95th percentile per-packet one-way delay: 88.861 ms

Loss rate: 0.49%

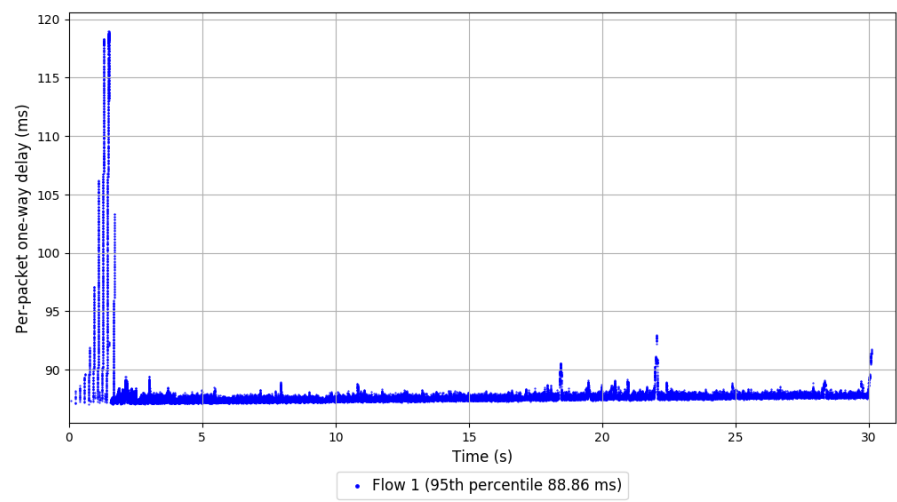
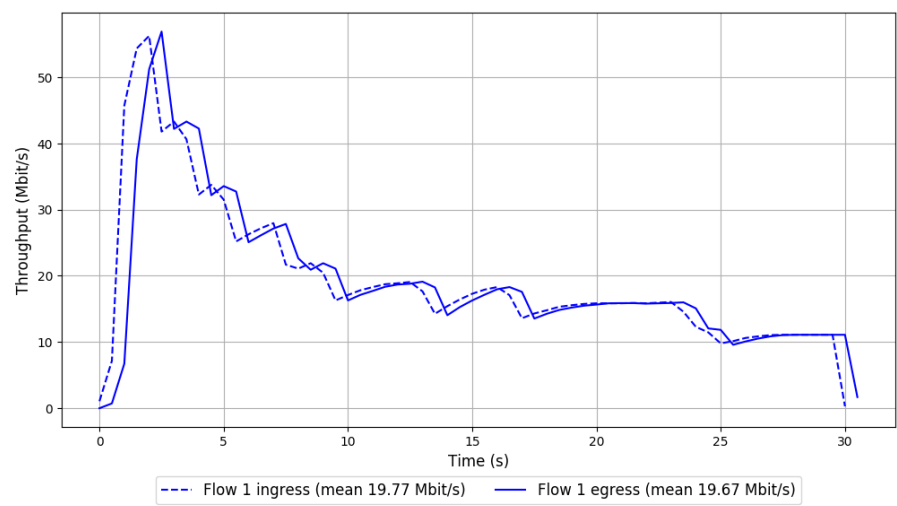
-- Flow 1:

Average throughput: 19.67 Mbit/s

95th percentile per-packet one-way delay: 88.861 ms

Loss rate: 0.49%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of FillP

Start at: 2018-07-09 20:00:37

End at: 2018-07-09 20:01:07

Local clock offset: -0.546 ms

Remote clock offset: 3.865 ms

# Below is generated by plot.py at 2018-07-09 23:23:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.78 Mbit/s

95th percentile per-packet one-way delay: 109.025 ms

Loss rate: 7.55%

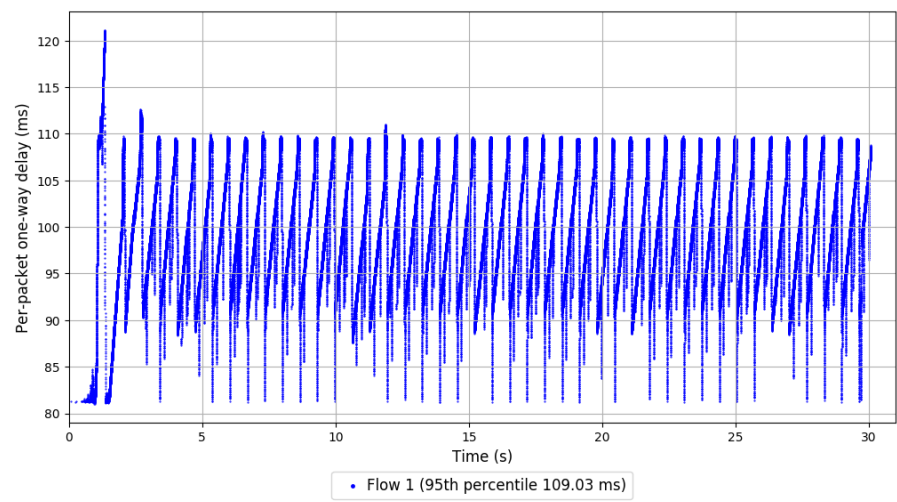
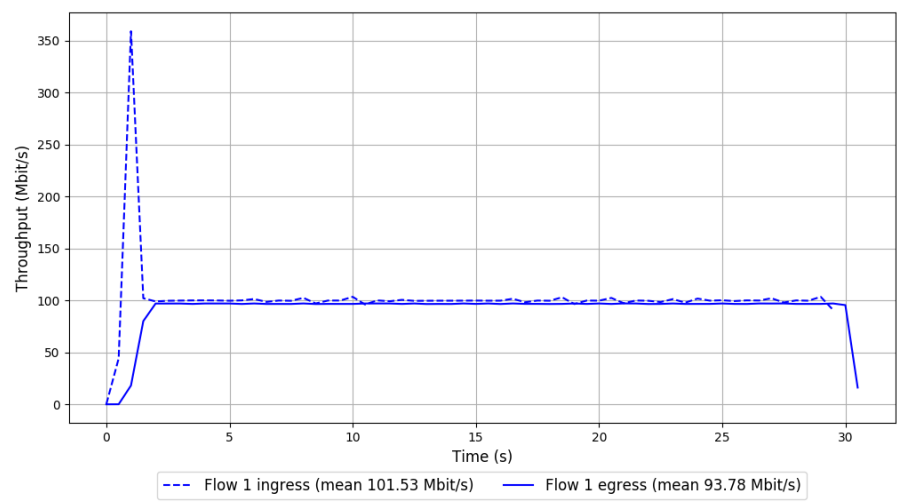
-- Flow 1:

Average throughput: 93.78 Mbit/s

95th percentile per-packet one-way delay: 109.025 ms

Loss rate: 7.55%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-07-09 20:20:28

End at: 2018-07-09 20:20:58

Local clock offset: -0.547 ms

Remote clock offset: 6.855 ms

# Below is generated by plot.py at 2018-07-09 23:23:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.45 Mbit/s

95th percentile per-packet one-way delay: 118.416 ms

Loss rate: 7.77%

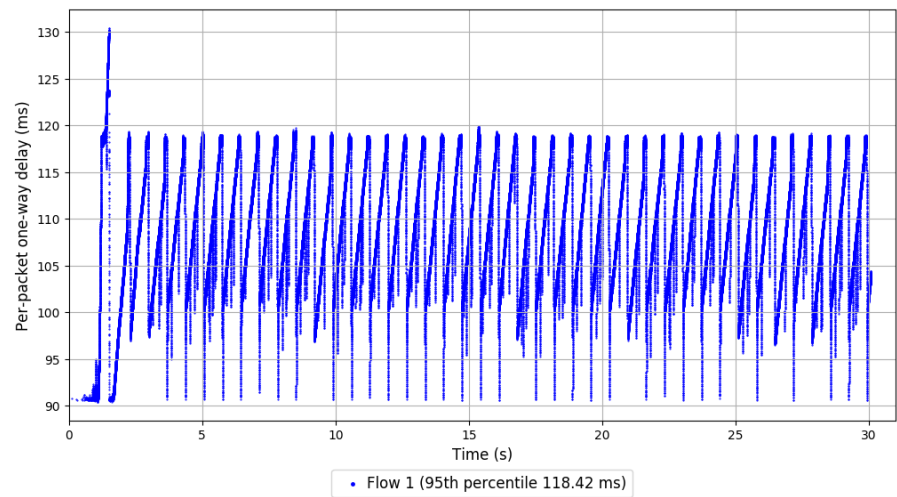
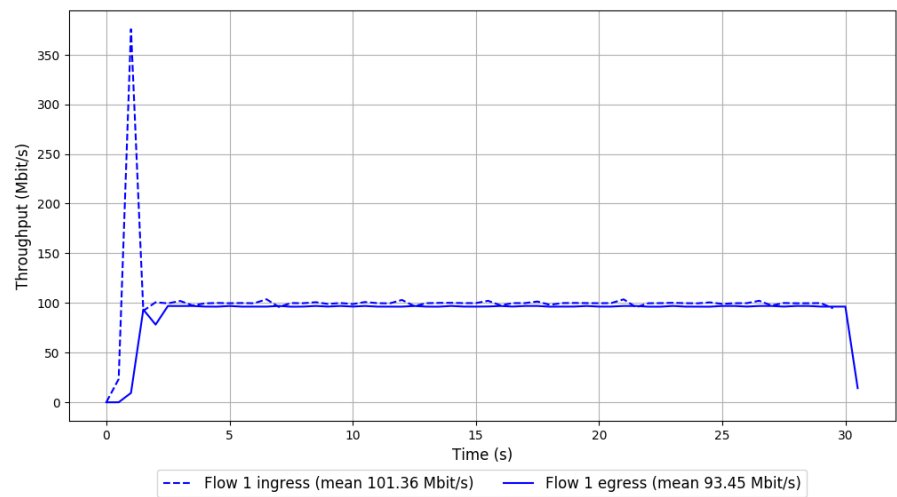
-- Flow 1:

Average throughput: 93.45 Mbit/s

95th percentile per-packet one-way delay: 118.416 ms

Loss rate: 7.77%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-07-09 20:40:24

End at: 2018-07-09 20:40:54

Local clock offset: -0.663 ms

Remote clock offset: 8.776 ms

# Below is generated by plot.py at 2018-07-09 23:23:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.65 Mbit/s

95th percentile per-packet one-way delay: 114.917 ms

Loss rate: 7.94%

-- Flow 1:

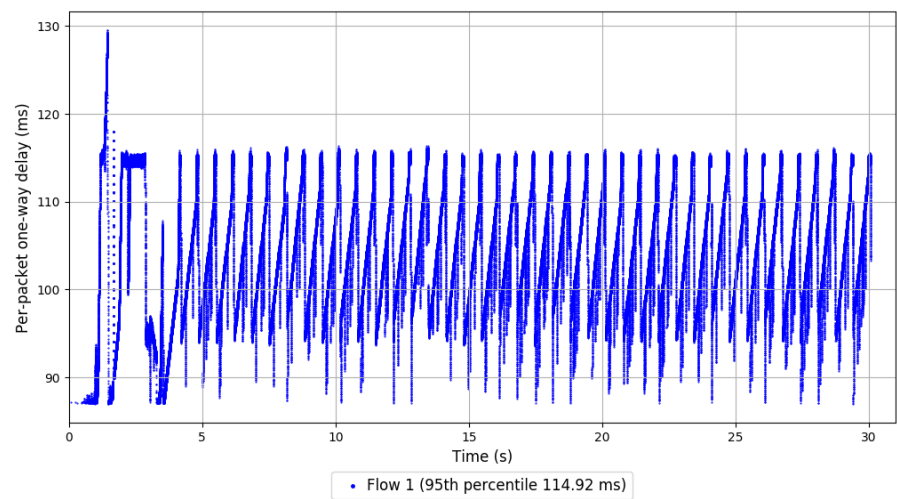
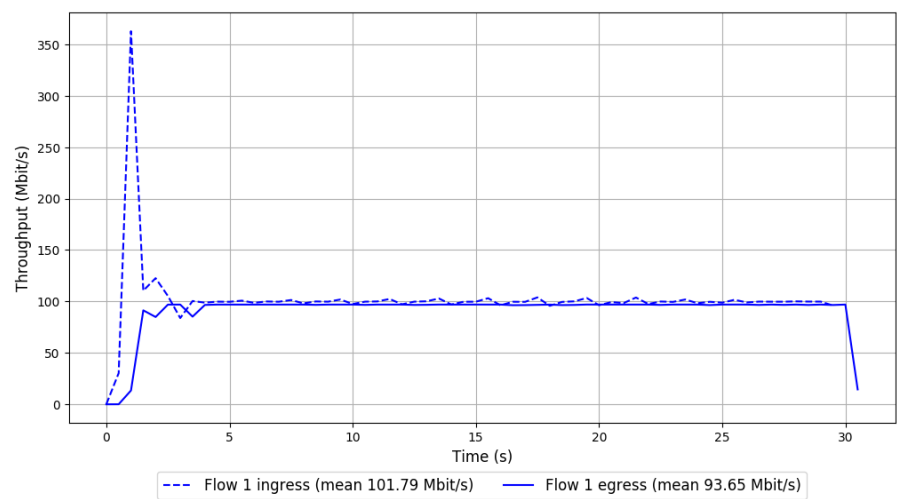
Average throughput: 93.65 Mbit/s

95th percentile per-packet one-way delay: 114.917 ms

Loss rate: 7.94%



Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-07-09 21:00:14

End at: 2018-07-09 21:00:44

Local clock offset: -0.645 ms

Remote clock offset: 9.356 ms

# Below is generated by plot.py at 2018-07-09 23:23:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.87 Mbit/s

95th percentile per-packet one-way delay: 112.277 ms

Loss rate: 8.57%

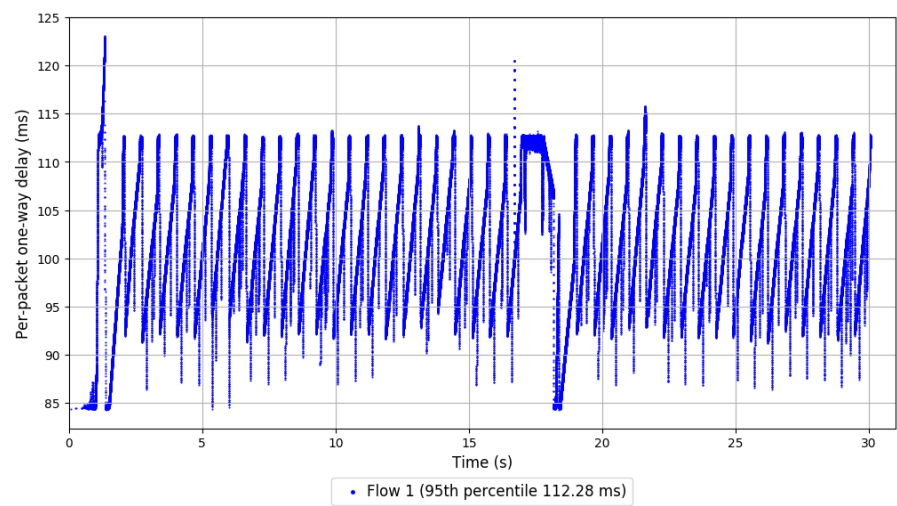
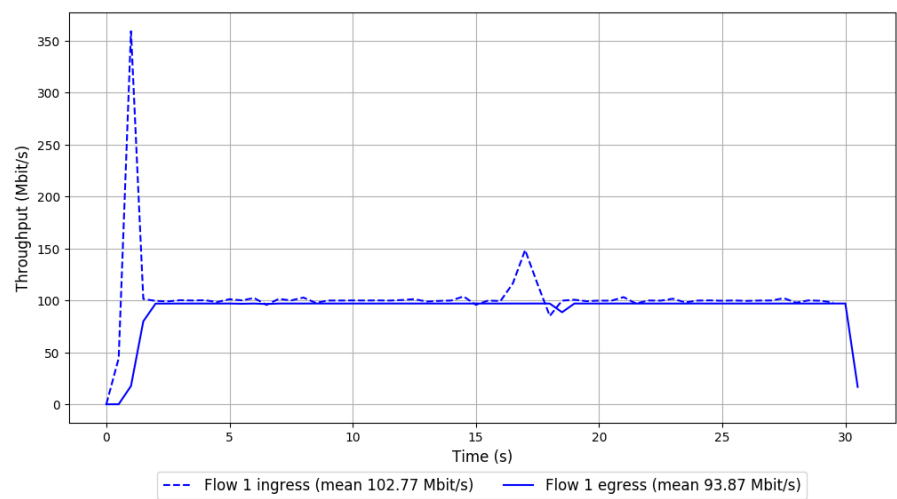
-- Flow 1:

Average throughput: 93.87 Mbit/s

95th percentile per-packet one-way delay: 112.277 ms

Loss rate: 8.57%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-07-09 21:20:06

End at: 2018-07-09 21:20:36

Local clock offset: -0.738 ms

Remote clock offset: 6.064 ms

# Below is generated by plot.py at 2018-07-09 23:23:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.88 Mbit/s

95th percentile per-packet one-way delay: 109.882 ms

Loss rate: 7.19%

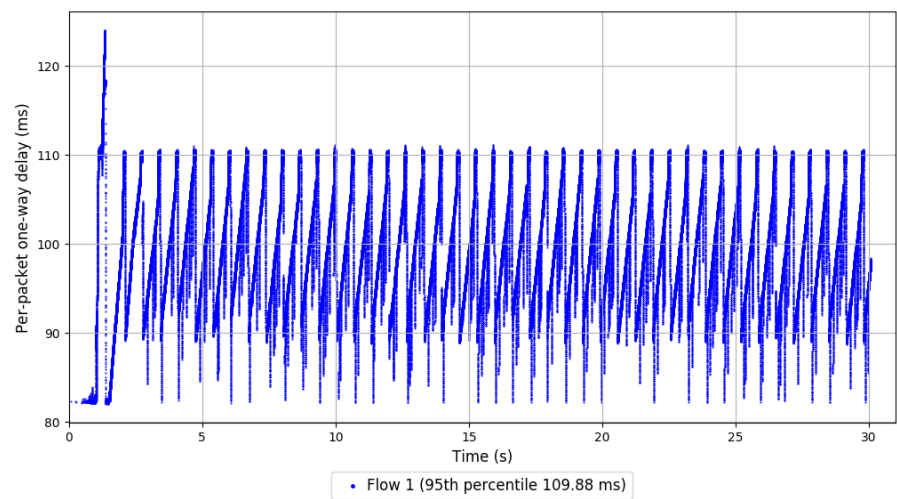
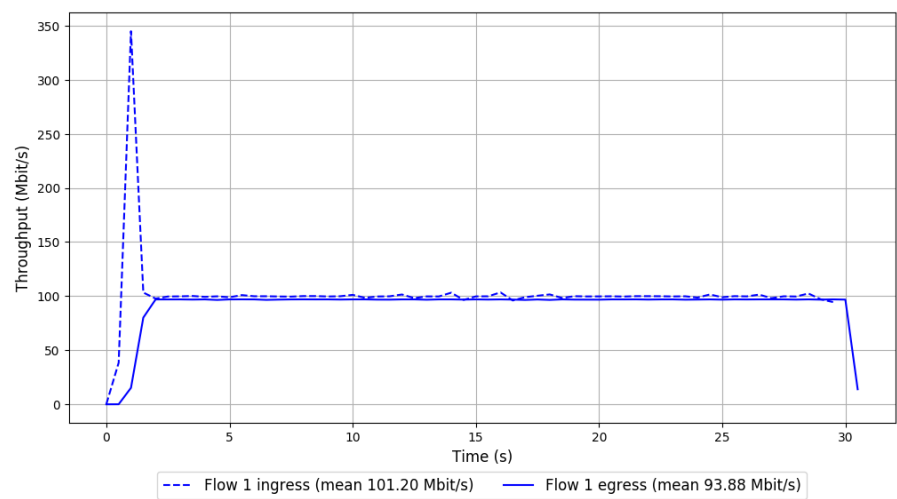
-- Flow 1:

Average throughput: 93.88 Mbit/s

95th percentile per-packet one-way delay: 109.882 ms

Loss rate: 7.19%

Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-07-09 21:40:02

End at: 2018-07-09 21:40:32

Local clock offset: -0.683 ms

Remote clock offset: 5.356 ms

# Below is generated by plot.py at 2018-07-09 23:23:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.94 Mbit/s

95th percentile per-packet one-way delay: 108.700 ms

Loss rate: 7.45%

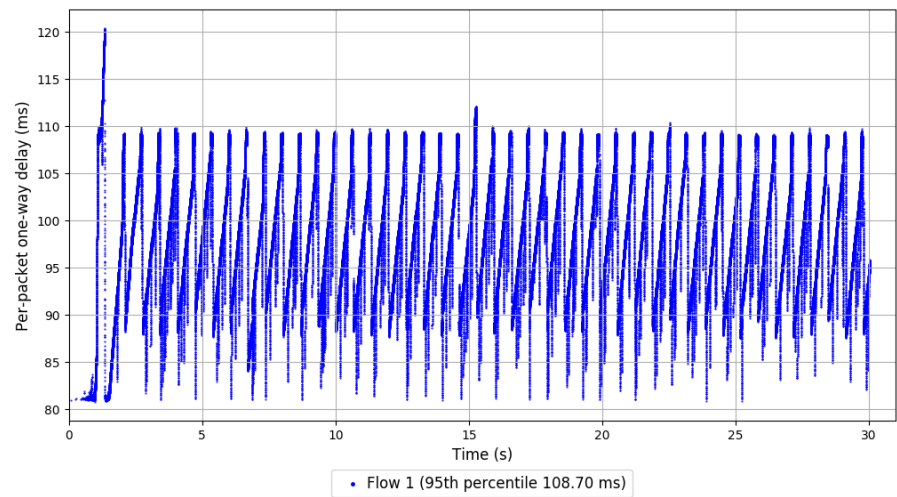
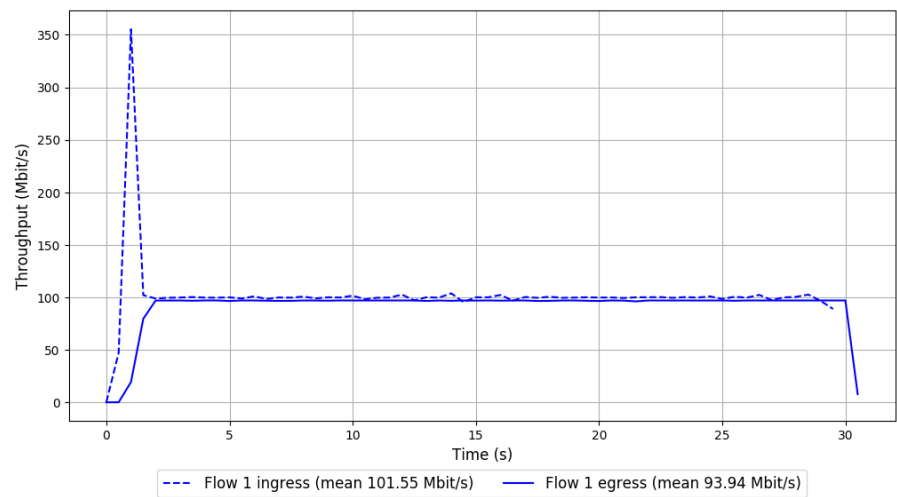
-- Flow 1:

Average throughput: 93.94 Mbit/s

95th percentile per-packet one-way delay: 108.700 ms

Loss rate: 7.45%

Run 6: Report of FillP — Data Link



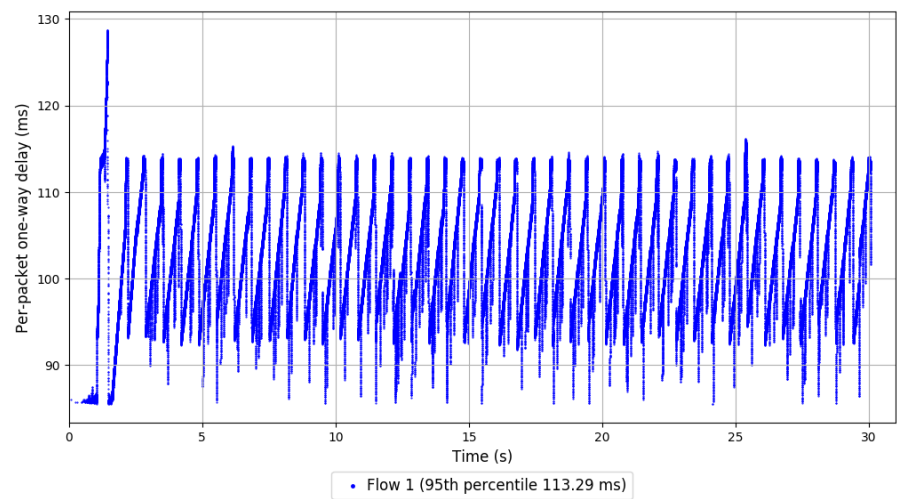
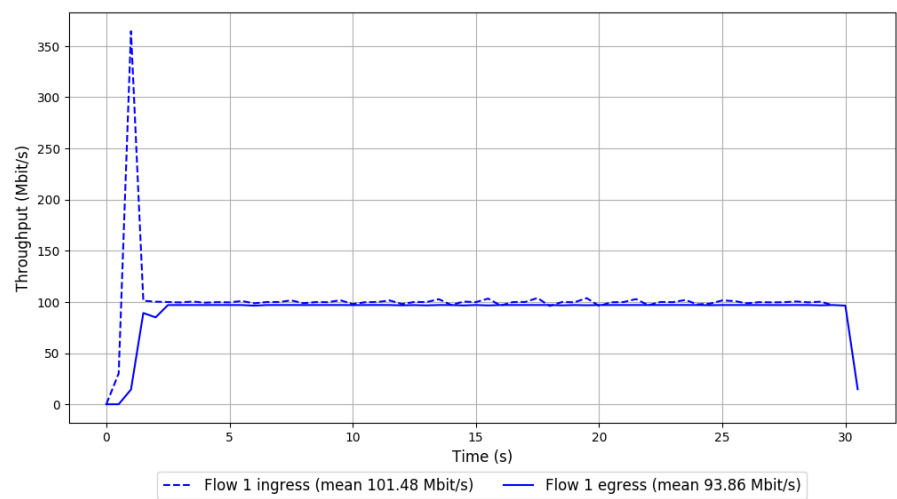
Run 7: Statistics of FillP

Start at: 2018-07-09 22:00:00  
End at: 2018-07-09 22:00:30  
Local clock offset: -0.715 ms  
Remote clock offset: 30.854 ms

# Below is generated by plot.py at 2018-07-09 23:23:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.86 Mbit/s  
95th percentile per-packet one-way delay: 113.294 ms  
Loss rate: 7.46%  
-- Flow 1:  
Average throughput: 93.86 Mbit/s  
95th percentile per-packet one-way delay: 113.294 ms  
Loss rate: 7.46%



Run 7: Report of FillP — Data Link

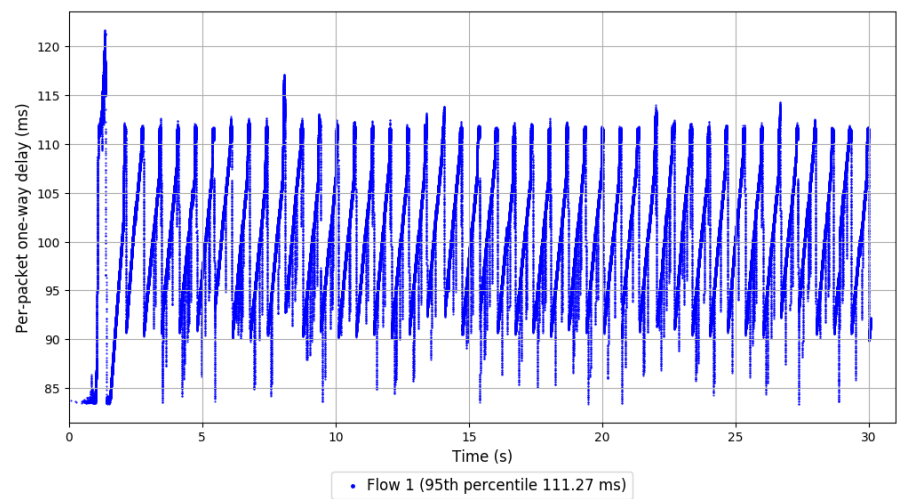
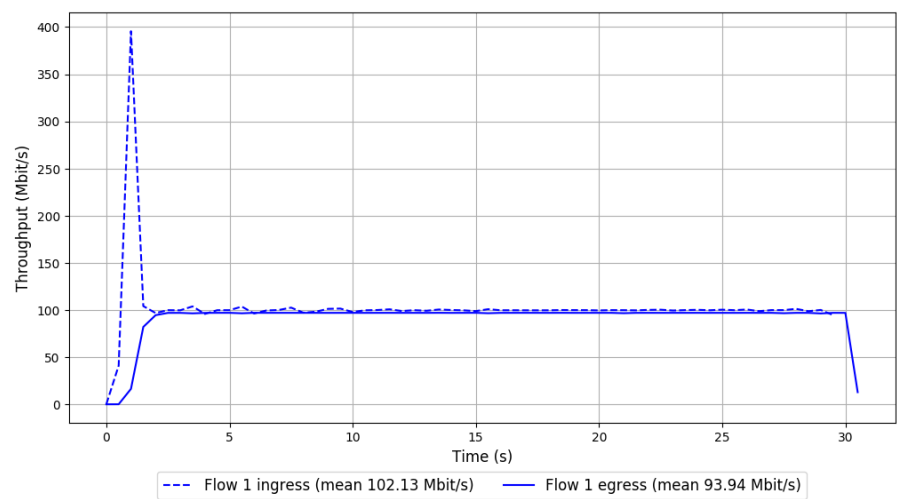


Run 8: Statistics of FillP

Start at: 2018-07-09 22:19:51  
End at: 2018-07-09 22:20:21  
Local clock offset: -0.859 ms  
Remote clock offset: 35.948 ms

# Below is generated by plot.py at 2018-07-09 23:23:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.94 Mbit/s  
95th percentile per-packet one-way delay: 111.271 ms  
Loss rate: 7.99%  
-- Flow 1:  
Average throughput: 93.94 Mbit/s  
95th percentile per-packet one-way delay: 111.271 ms  
Loss rate: 7.99%

Run 8: Report of FillP — Data Link

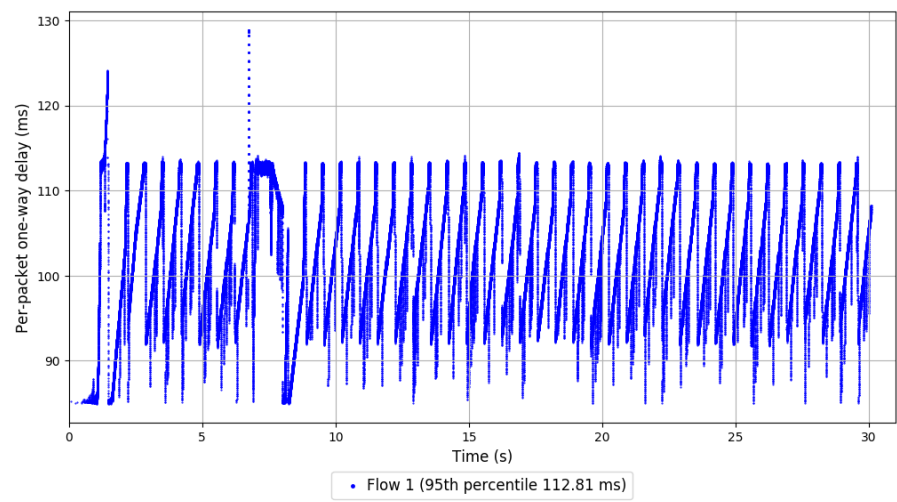
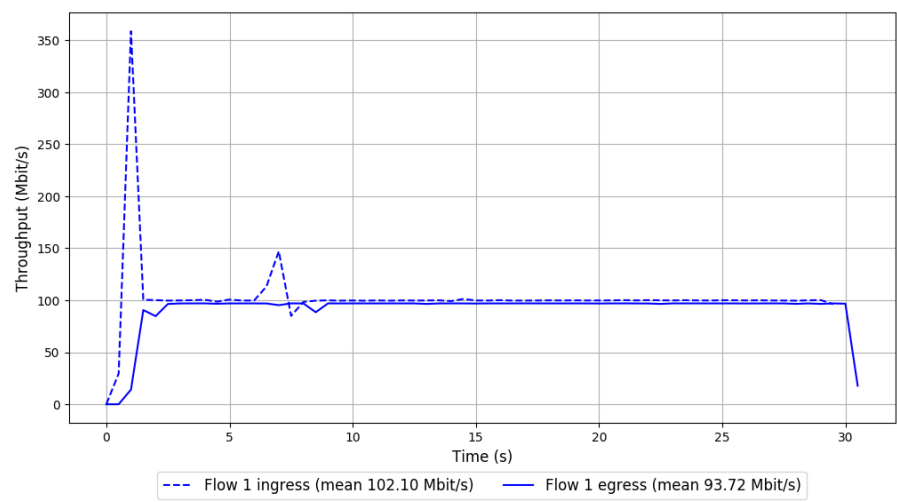


Run 9: Statistics of FillP

Start at: 2018-07-09 22:39:44  
End at: 2018-07-09 22:40:14  
Local clock offset: -0.882 ms  
Remote clock offset: 42.038 ms

# Below is generated by plot.py at 2018-07-09 23:24:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.72 Mbit/s  
95th percentile per-packet one-way delay: 112.815 ms  
Loss rate: 8.13%  
-- Flow 1:  
Average throughput: 93.72 Mbit/s  
95th percentile per-packet one-way delay: 112.815 ms  
Loss rate: 8.13%

Run 9: Report of FillP — Data Link

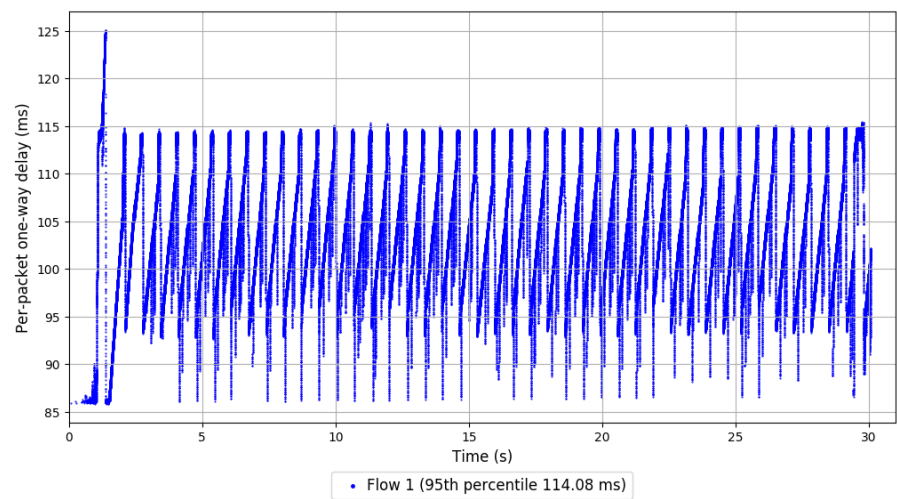
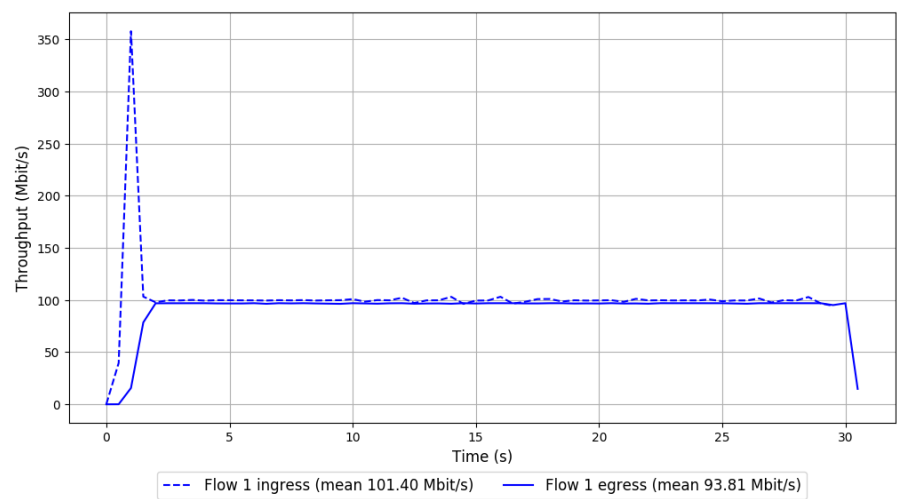


Run 10: Statistics of FillP

Start at: 2018-07-09 22:59:35  
End at: 2018-07-09 23:00:05  
Local clock offset: -0.926 ms  
Remote clock offset: 19.598 ms

# Below is generated by plot.py at 2018-07-09 23:25:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.81 Mbit/s  
95th percentile per-packet one-way delay: 114.082 ms  
Loss rate: 7.43%  
-- Flow 1:  
Average throughput: 93.81 Mbit/s  
95th percentile per-packet one-way delay: 114.082 ms  
Loss rate: 7.43%

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

Start at: 2018-07-09 20:13:24

End at: 2018-07-09 20:13:54

Local clock offset: -0.548 ms

Remote clock offset: 7.934 ms

# Below is generated by plot.py at 2018-07-09 23:25:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 117.819 ms

Loss rate: 3.21%

-- Flow 1:

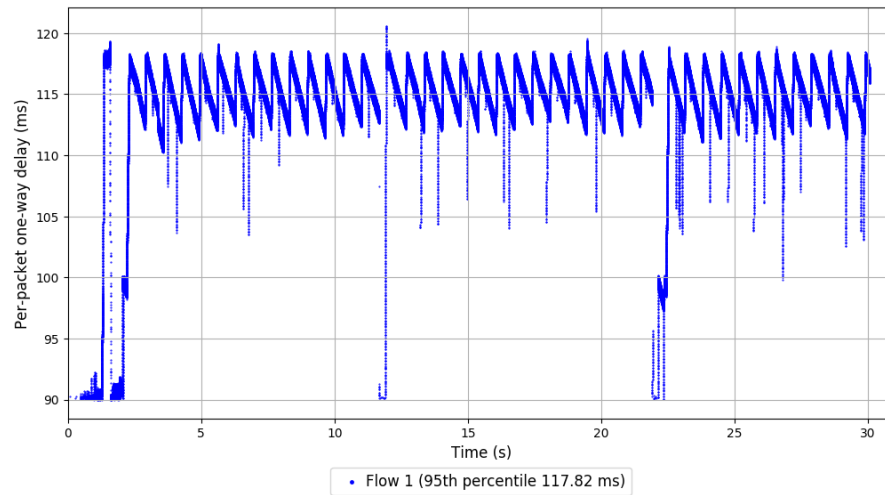
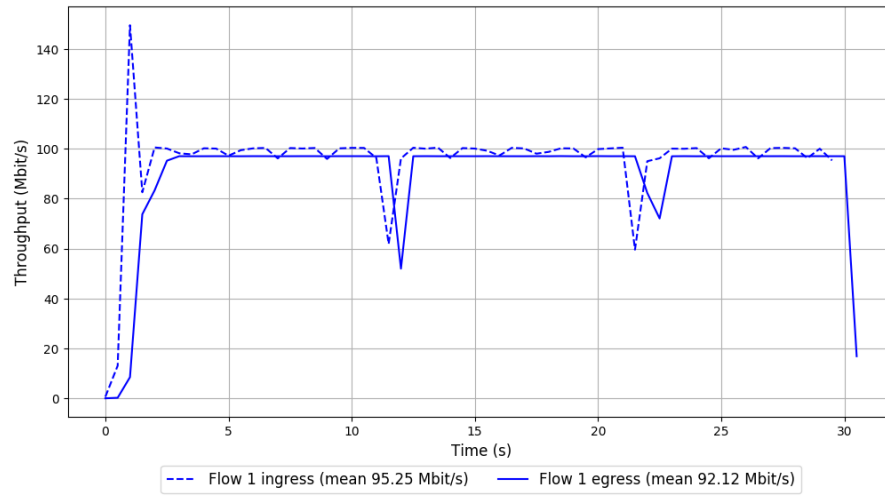
Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 117.819 ms

Loss rate: 3.21%



## Run 1: Report of FillP-Sheep — Data Link



Run 2: Statistics of FillP-Sheep

Start at: 2018-07-09 20:33:19

End at: 2018-07-09 20:33:49

Local clock offset: -0.543 ms

Remote clock offset: 7.047 ms

# Below is generated by plot.py at 2018-07-09 23:25:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.29 Mbit/s

95th percentile per-packet one-way delay: 112.653 ms

Loss rate: 3.47%

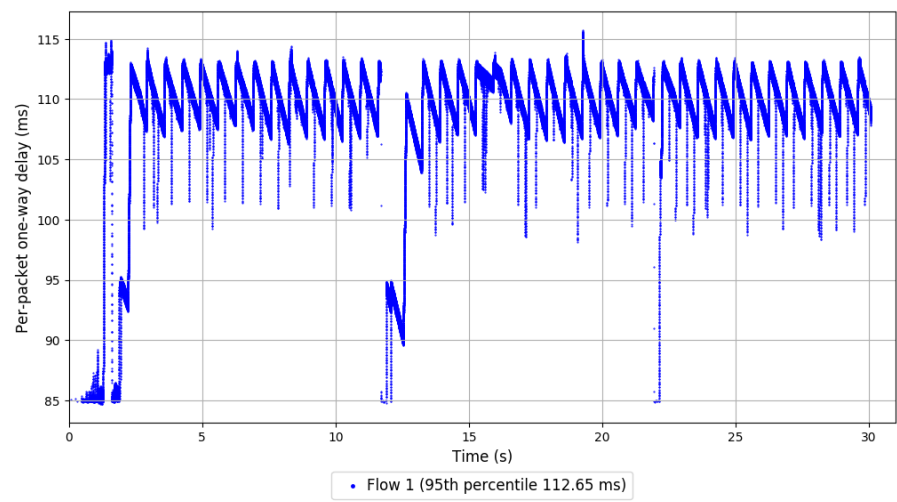
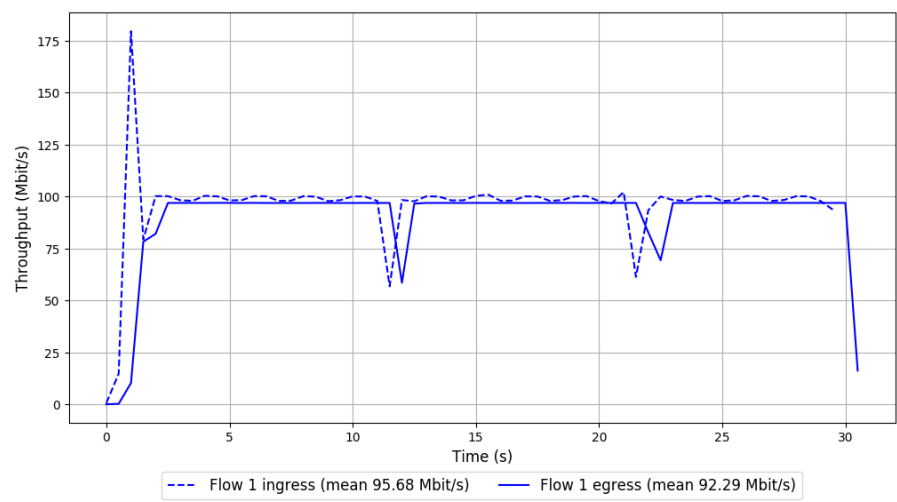
-- Flow 1:

Average throughput: 92.29 Mbit/s

95th percentile per-packet one-way delay: 112.653 ms

Loss rate: 3.47%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-07-09 20:53:11

End at: 2018-07-09 20:53:41

Local clock offset: -0.629 ms

Remote clock offset: 5.263 ms

# Below is generated by plot.py at 2018-07-09 23:25:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.46 Mbit/s

95th percentile per-packet one-way delay: 108.241 ms

Loss rate: 3.89%

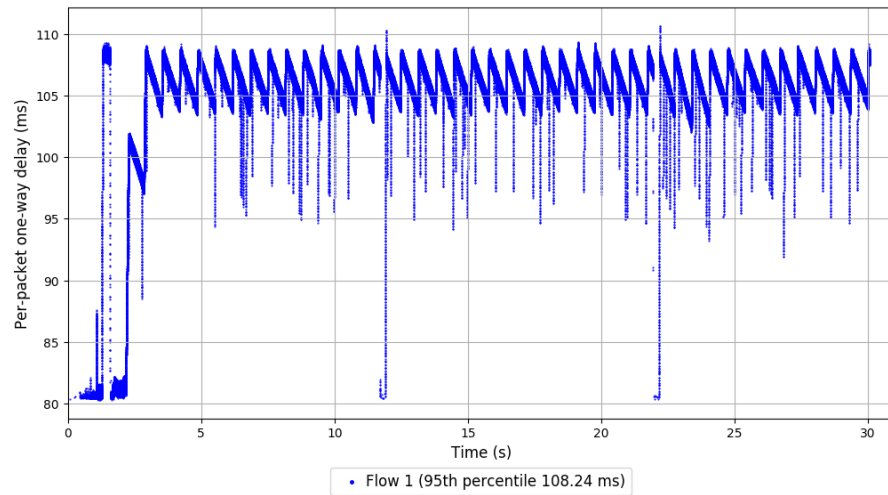
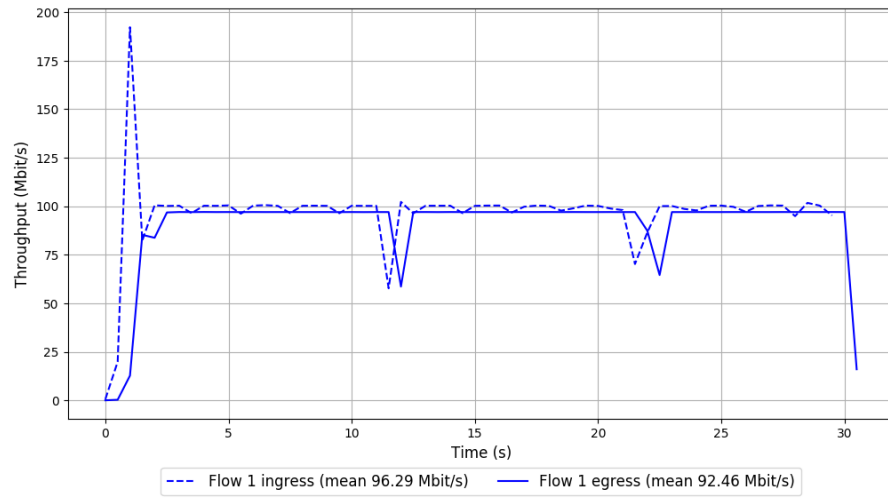
-- Flow 1:

Average throughput: 92.46 Mbit/s

95th percentile per-packet one-way delay: 108.241 ms

Loss rate: 3.89%

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



Run 4: Statistics of FillP-Sheep

Start at: 2018-07-09 21:13:04

End at: 2018-07-09 21:13:34

Local clock offset: -0.686 ms

Remote clock offset: 5.728 ms

# Below is generated by plot.py at 2018-07-09 23:25:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.31 Mbit/s

95th percentile per-packet one-way delay: 108.280 ms

Loss rate: 3.36%

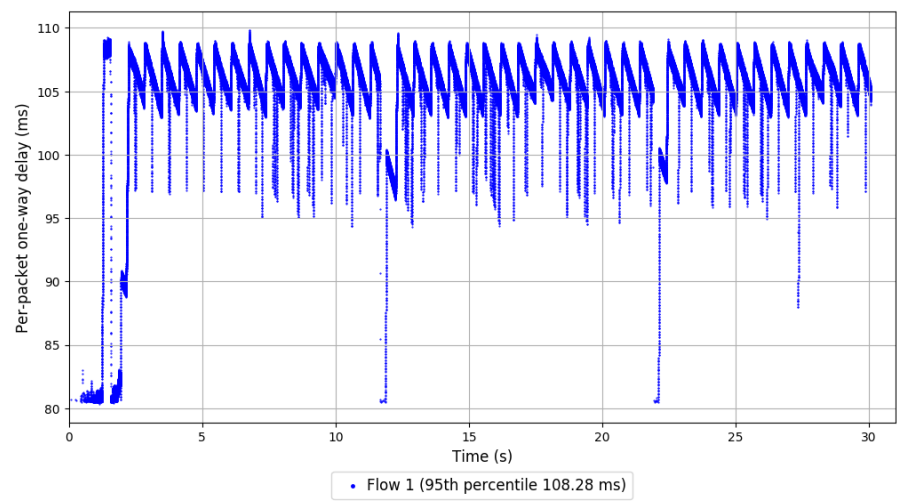
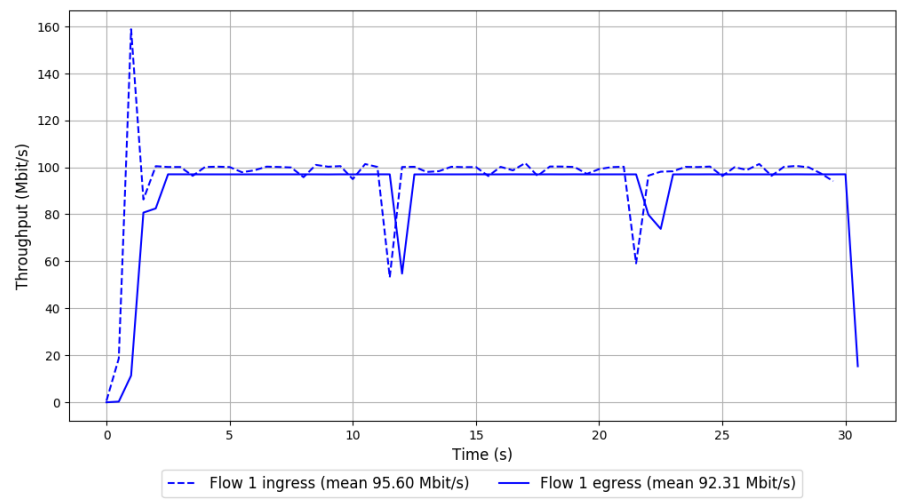
-- Flow 1:

Average throughput: 92.31 Mbit/s

95th percentile per-packet one-way delay: 108.280 ms

Loss rate: 3.36%

Run 4: Report of FillP-Sheep — Data Link



Run 5: Statistics of FillP-Sheep

Start at: 2018-07-09 21:32:58

End at: 2018-07-09 21:33:28

Local clock offset: -0.658 ms

Remote clock offset: 6.443 ms

# Below is generated by plot.py at 2018-07-09 23:25:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 110.052 ms

Loss rate: 3.35%

-- Flow 1:

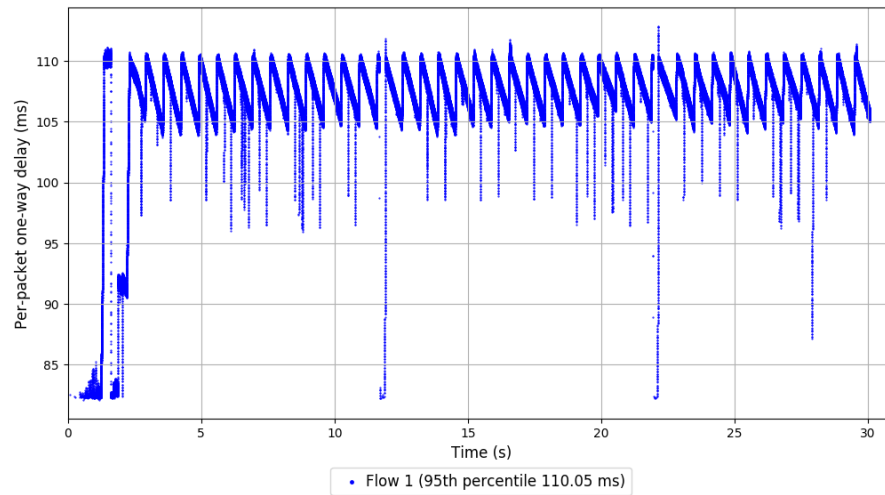
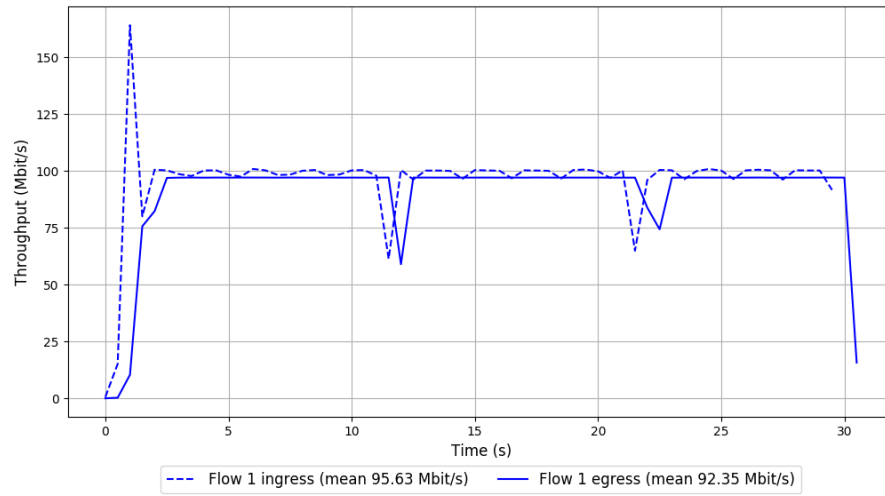
Average throughput: 92.35 Mbit/s

95th percentile per-packet one-way delay: 110.052 ms

Loss rate: 3.35%



## Run 5: Report of FillP-Sheep — Data Link



Run 6: Statistics of FillP-Sheep

Start at: 2018-07-09 21:52:52

End at: 2018-07-09 21:53:22

Local clock offset: -0.7 ms

Remote clock offset: 25.694 ms

# Below is generated by plot.py at 2018-07-09 23:25:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.42 Mbit/s

95th percentile per-packet one-way delay: 113.554 ms

Loss rate: 4.00%

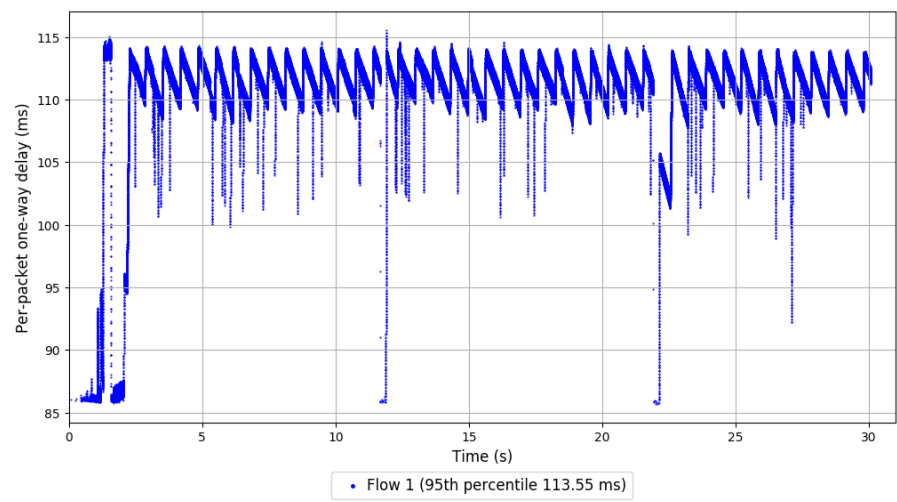
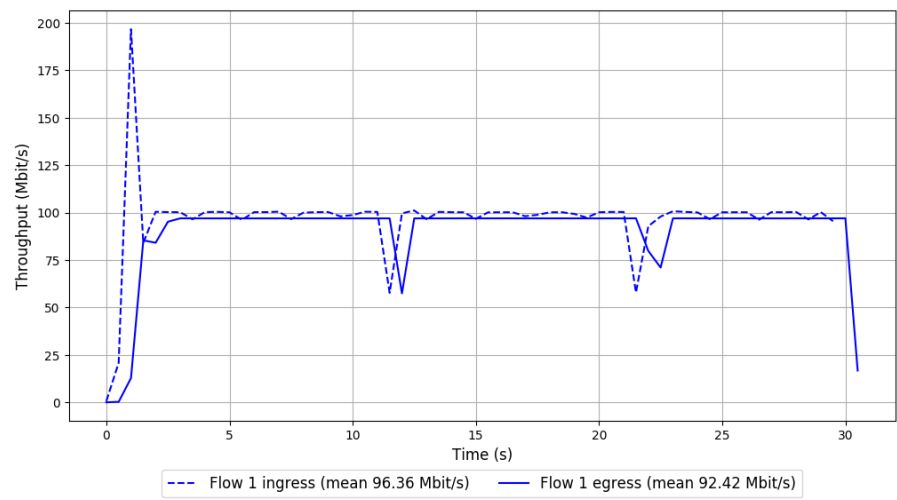
-- Flow 1:

Average throughput: 92.42 Mbit/s

95th percentile per-packet one-way delay: 113.554 ms

Loss rate: 4.00%

Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

Start at: 2018-07-09 22:12:48

End at: 2018-07-09 22:13:18

Local clock offset: -0.766 ms

Remote clock offset: 30.8 ms

# Below is generated by plot.py at 2018-07-09 23:26:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.27 Mbit/s

95th percentile per-packet one-way delay: 108.096 ms

Loss rate: 3.51%

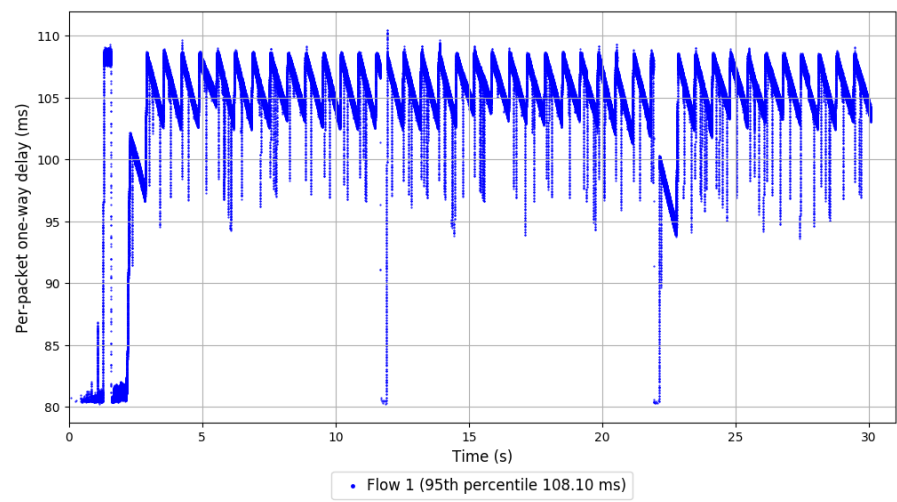
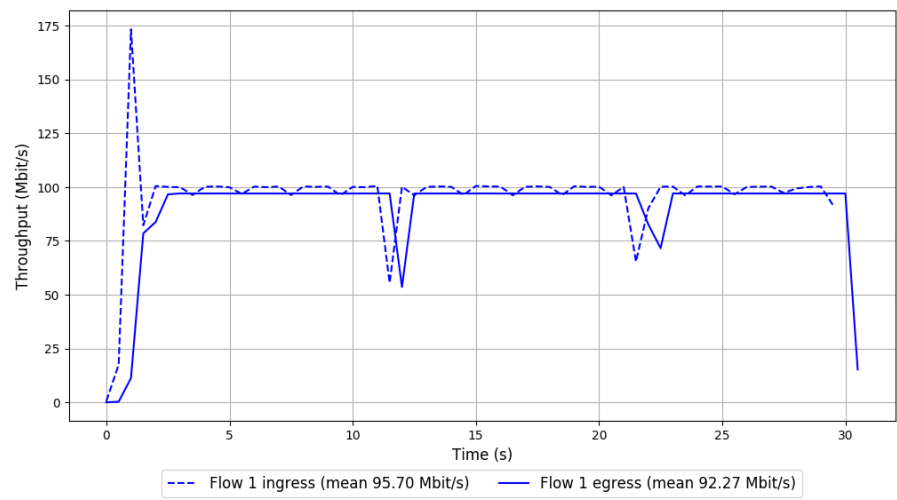
-- Flow 1:

Average throughput: 92.27 Mbit/s

95th percentile per-packet one-way delay: 108.096 ms

Loss rate: 3.51%

Run 7: Report of FillP-Sheep — Data Link

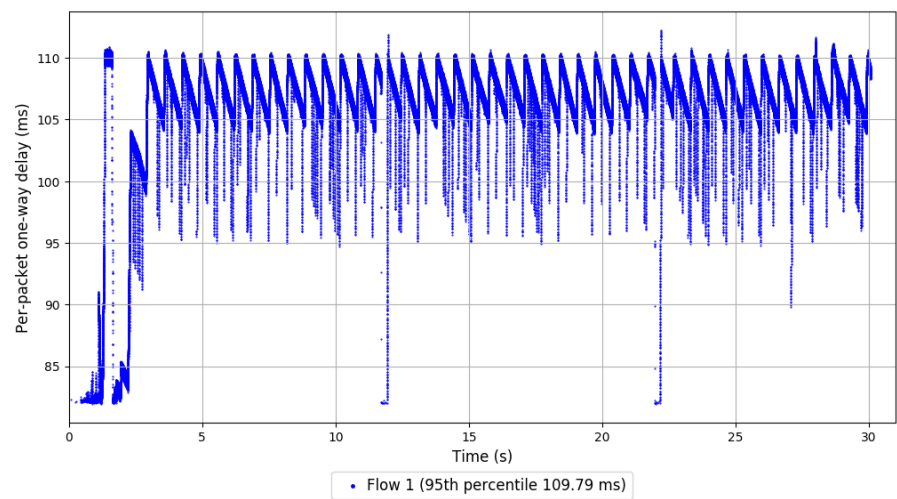
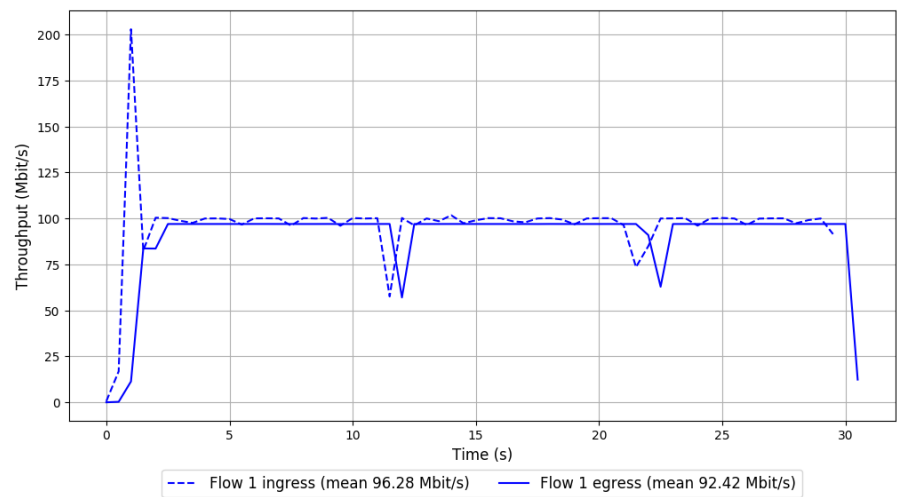


Run 8: Statistics of FillP-Sheep

Start at: 2018-07-09 22:32:42  
End at: 2018-07-09 22:33:12  
Local clock offset: -0.842 ms  
Remote clock offset: 37.165 ms

# Below is generated by plot.py at 2018-07-09 23:26:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.42 Mbit/s  
95th percentile per-packet one-way delay: 109.789 ms  
Loss rate: 3.93%  
-- Flow 1:  
Average throughput: 92.42 Mbit/s  
95th percentile per-packet one-way delay: 109.789 ms  
Loss rate: 3.93%

Run 8: Report of FillP-Sheep — Data Link



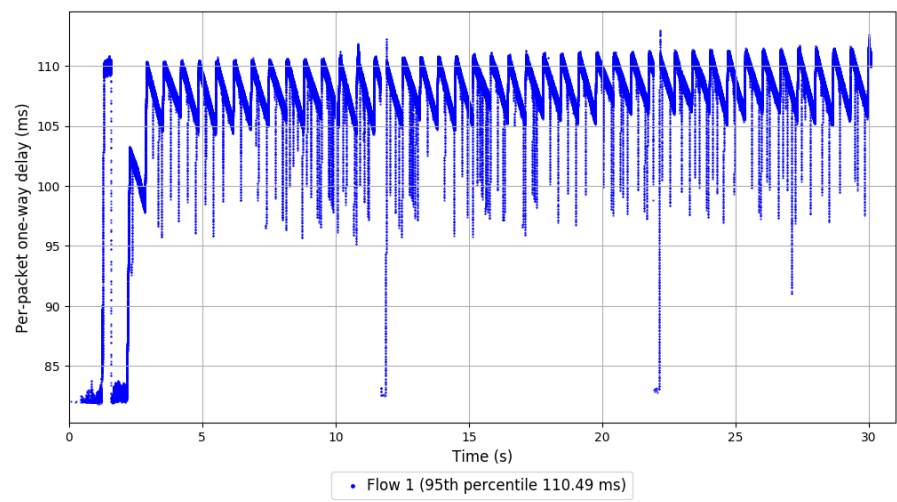
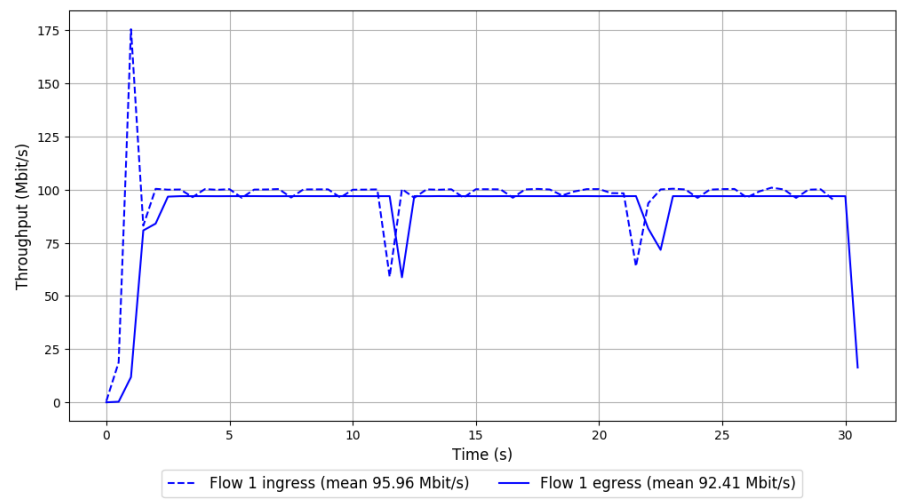
Run 9: Statistics of FillP-Sheep

Start at: 2018-07-09 22:52:32  
End at: 2018-07-09 22:53:02  
Local clock offset: -0.863 ms  
Remote clock offset: 28.639 ms

# Below is generated by plot.py at 2018-07-09 23:26:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.41 Mbit/s  
95th percentile per-packet one-way delay: 110.494 ms  
Loss rate: 3.61%  
-- Flow 1:  
Average throughput: 92.41 Mbit/s  
95th percentile per-packet one-way delay: 110.494 ms  
Loss rate: 3.61%



Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-07-09 23:12:21

End at: 2018-07-09 23:12:51

Local clock offset: -0.904 ms

Remote clock offset: 9.121 ms

# Below is generated by plot.py at 2018-07-09 23:26:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.29 Mbit/s

95th percentile per-packet one-way delay: 114.025 ms

Loss rate: 3.56%

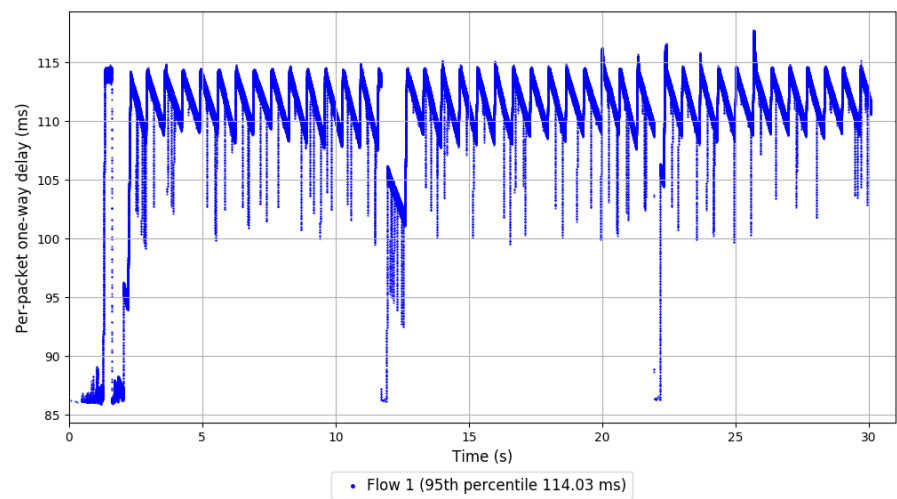
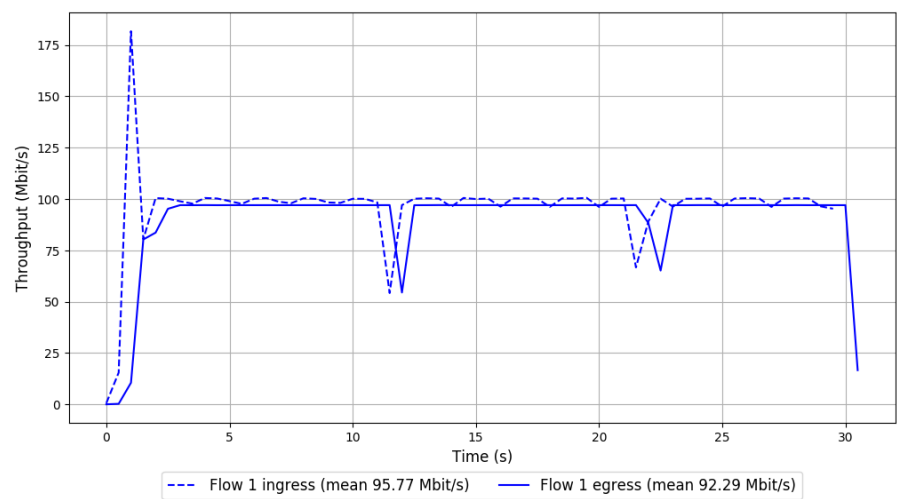
-- Flow 1:

Average throughput: 92.29 Mbit/s

95th percentile per-packet one-way delay: 114.025 ms

Loss rate: 3.56%

Run 10: Report of FillP-Sheep — Data Link

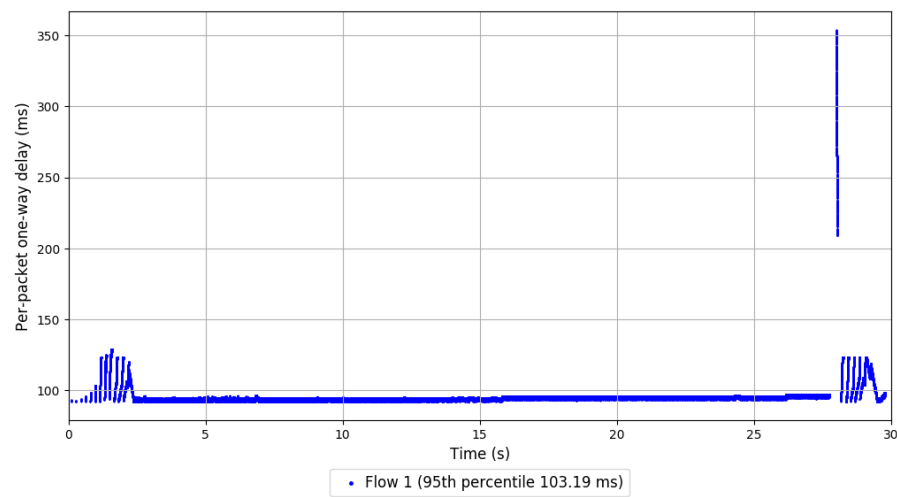
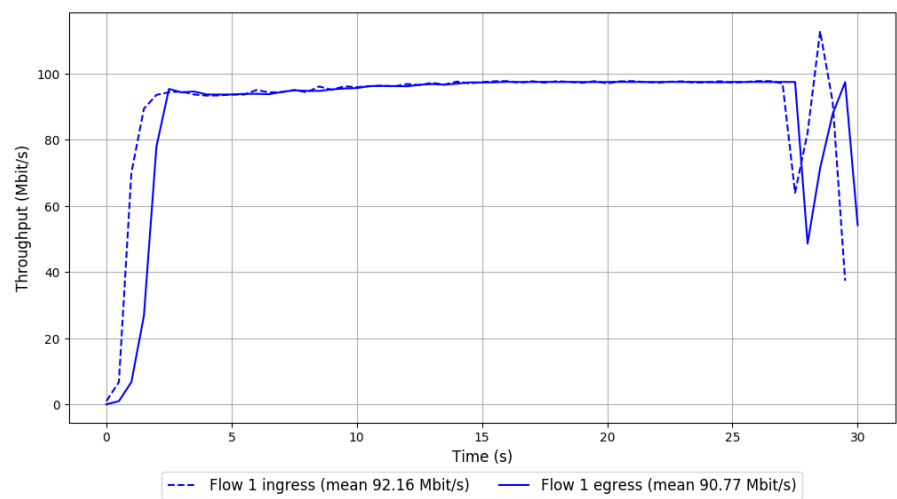


```
Run 1: Statistics of Indigo

Start at: 2018-07-09 19:59:25
End at: 2018-07-09 19:59:55
Local clock offset: -0.616 ms
Remote clock offset: 7.88 ms

# Below is generated by plot.py at 2018-07-09 23:26:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.77 Mbit/s
95th percentile per-packet one-way delay: 103.186 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 90.77 Mbit/s
95th percentile per-packet one-way delay: 103.186 ms
Loss rate: 1.50%
```

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2018-07-09 20:19:16

End at: 2018-07-09 20:19:46

Local clock offset: -0.468 ms

Remote clock offset: 9.127 ms

# Below is generated by plot.py at 2018-07-09 23:26:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.63 Mbit/s

95th percentile per-packet one-way delay: 90.905 ms

Loss rate: 0.29%

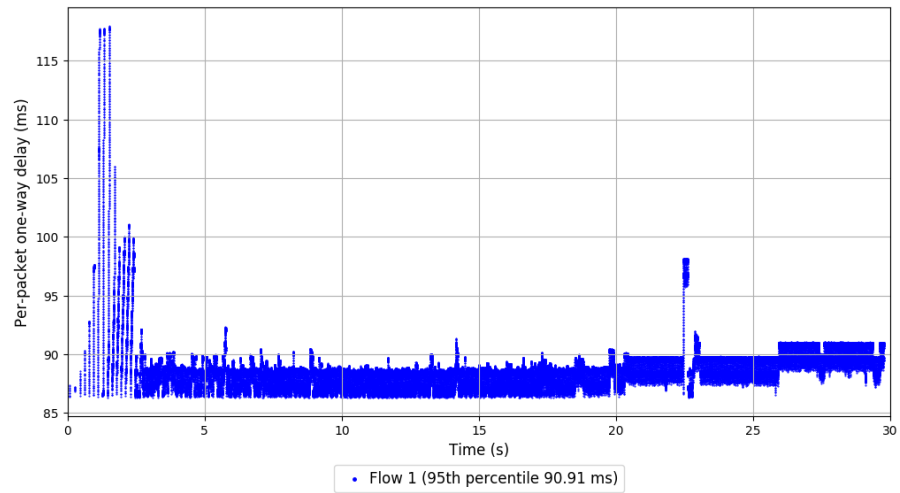
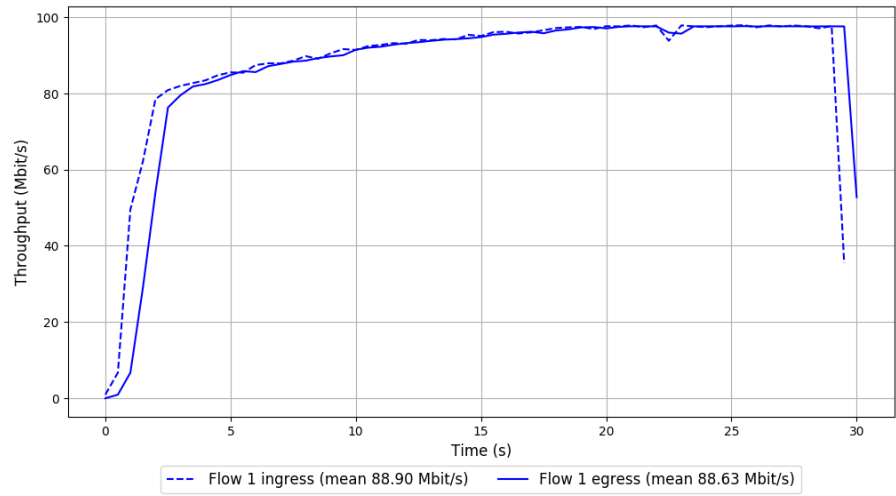
-- Flow 1:

Average throughput: 88.63 Mbit/s

95th percentile per-packet one-way delay: 90.905 ms

Loss rate: 0.29%

## Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2018-07-09 20:39:11

End at: 2018-07-09 20:39:41

Local clock offset: -0.601 ms

Remote clock offset: 7.595 ms

# Below is generated by plot.py at 2018-07-09 23:26:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.98 Mbit/s

95th percentile per-packet one-way delay: 95.876 ms

Loss rate: 0.72%

-- Flow 1:

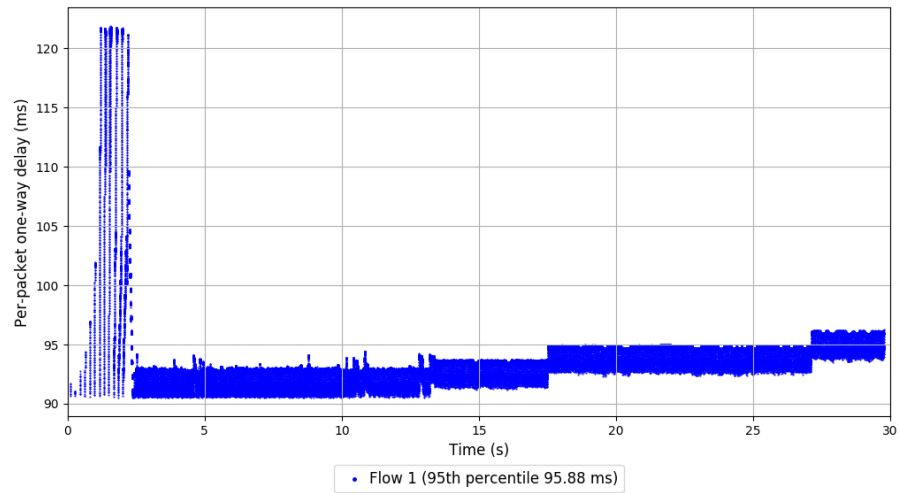
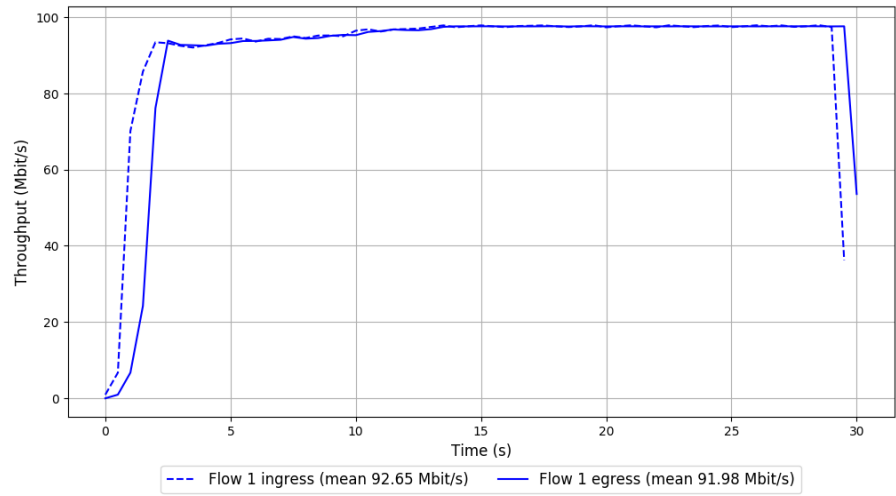
Average throughput: 91.98 Mbit/s

95th percentile per-packet one-way delay: 95.876 ms

Loss rate: 0.72%



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



Run 4: Statistics of Indigo

Start at: 2018-07-09 20:59:02

End at: 2018-07-09 20:59:32

Local clock offset: -0.644 ms

Remote clock offset: 9.446 ms

# Below is generated by plot.py at 2018-07-09 23:26:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.78 Mbit/s

95th percentile per-packet one-way delay: 88.525 ms

Loss rate: 0.29%

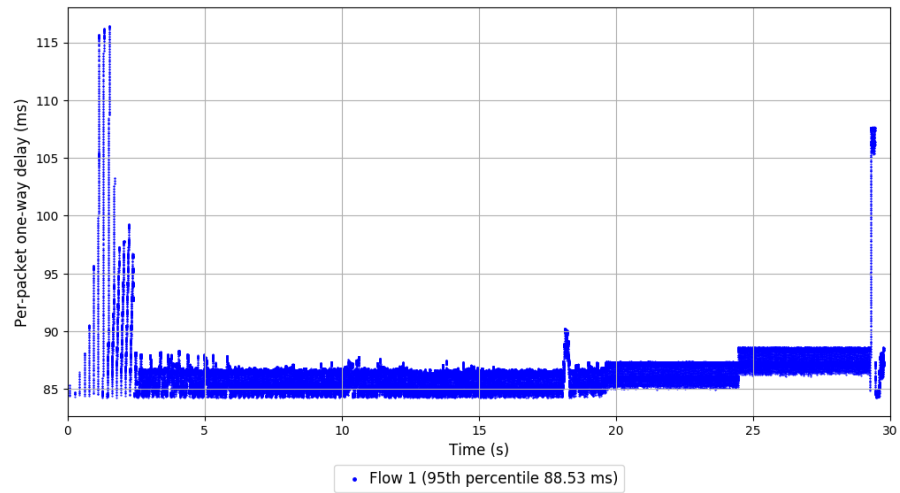
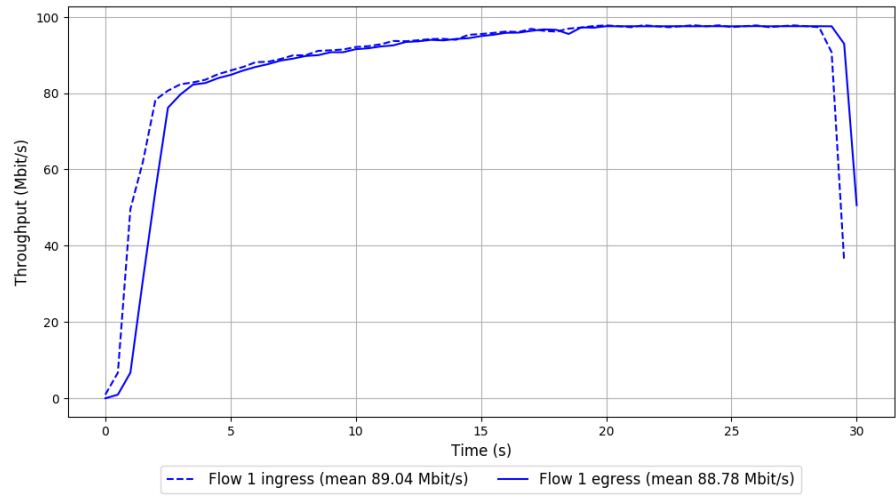
-- Flow 1:

Average throughput: 88.78 Mbit/s

95th percentile per-packet one-way delay: 88.525 ms

Loss rate: 0.29%

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



Run 5: Statistics of Indigo

Start at: 2018-07-09 21:18:54

End at: 2018-07-09 21:19:24

Local clock offset: -0.738 ms

Remote clock offset: 4.974 ms

# Below is generated by plot.py at 2018-07-09 23:27:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.48 Mbit/s

95th percentile per-packet one-way delay: 88.742 ms

Loss rate: 1.09%

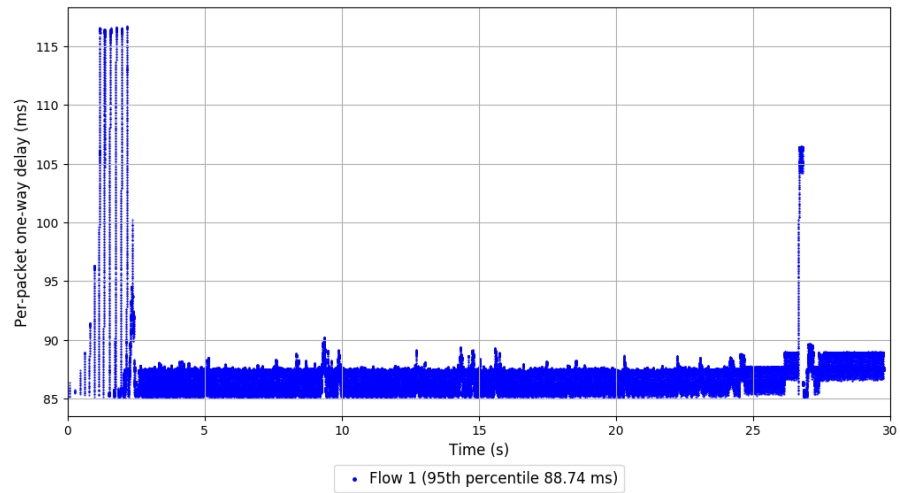
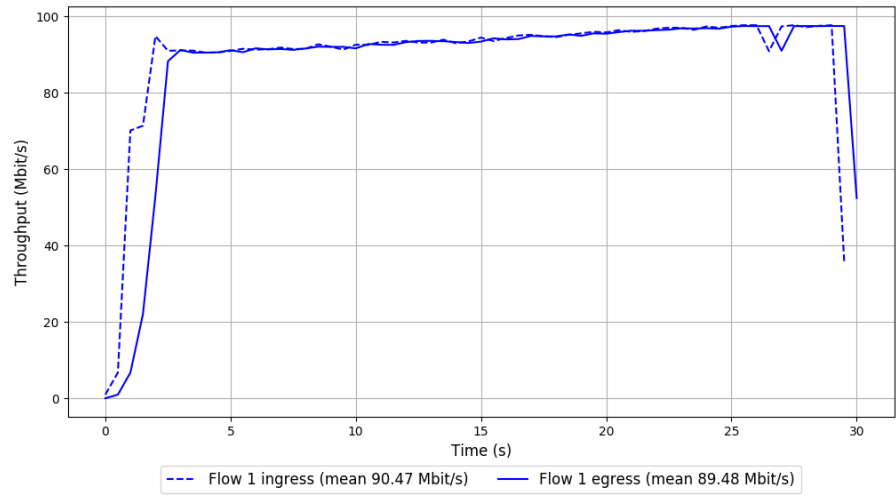
-- Flow 1:

Average throughput: 89.48 Mbit/s

95th percentile per-packet one-way delay: 88.742 ms

Loss rate: 1.09%

## Run 5: Report of Indigo — Data Link

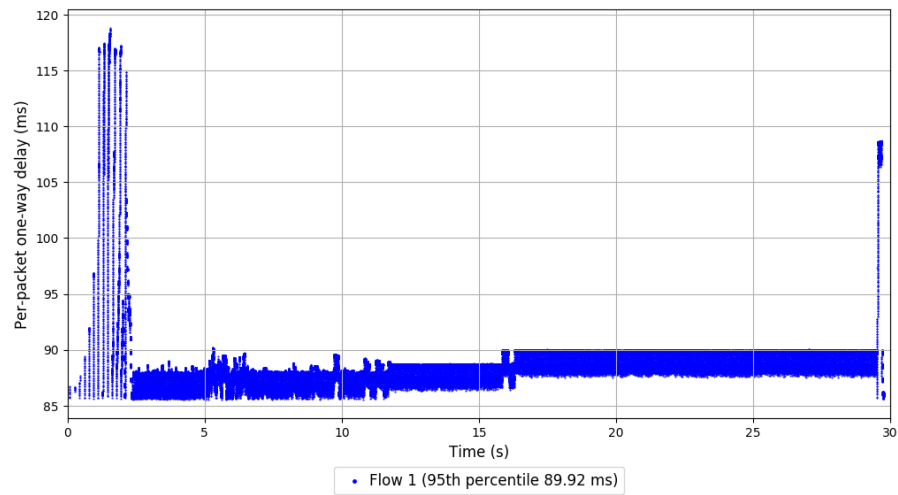
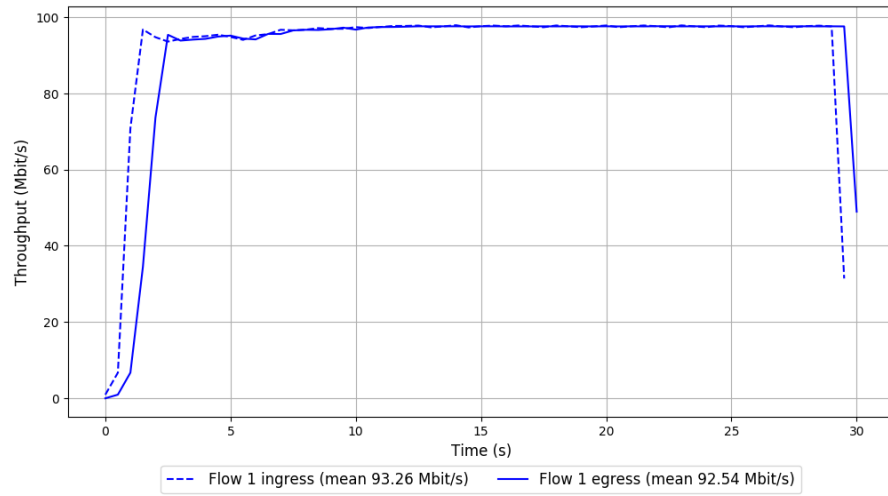


Run 6: Statistics of Indigo

Start at: 2018-07-09 21:38:50  
End at: 2018-07-09 21:39:20  
Local clock offset: -0.715 ms  
Remote clock offset: 11.485 ms

# Below is generated by plot.py at 2018-07-09 23:27:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.54 Mbit/s  
95th percentile per-packet one-way delay: 89.924 ms  
Loss rate: 0.77%  
-- Flow 1:  
Average throughput: 92.54 Mbit/s  
95th percentile per-packet one-way delay: 89.924 ms  
Loss rate: 0.77%

## Run 6: Report of Indigo — Data Link



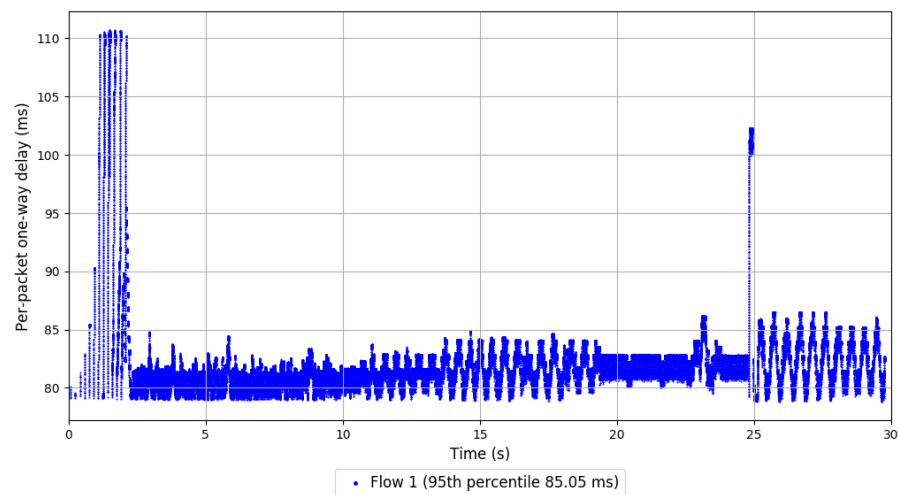
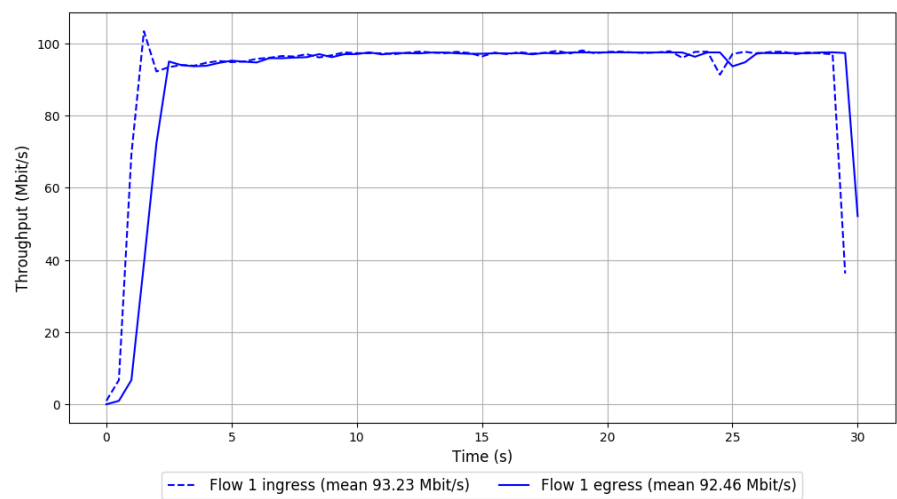
Run 7: Statistics of Indigo

Start at: 2018-07-09 21:58:48  
End at: 2018-07-09 21:59:18  
Local clock offset: -0.731 ms  
Remote clock offset: 24.148 ms

# Below is generated by plot.py at 2018-07-09 23:27:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.46 Mbit/s  
95th percentile per-packet one-way delay: 85.051 ms  
Loss rate: 0.82%  
-- Flow 1:  
Average throughput: 92.46 Mbit/s  
95th percentile per-packet one-way delay: 85.051 ms  
Loss rate: 0.82%



Run 7: Report of Indigo — Data Link

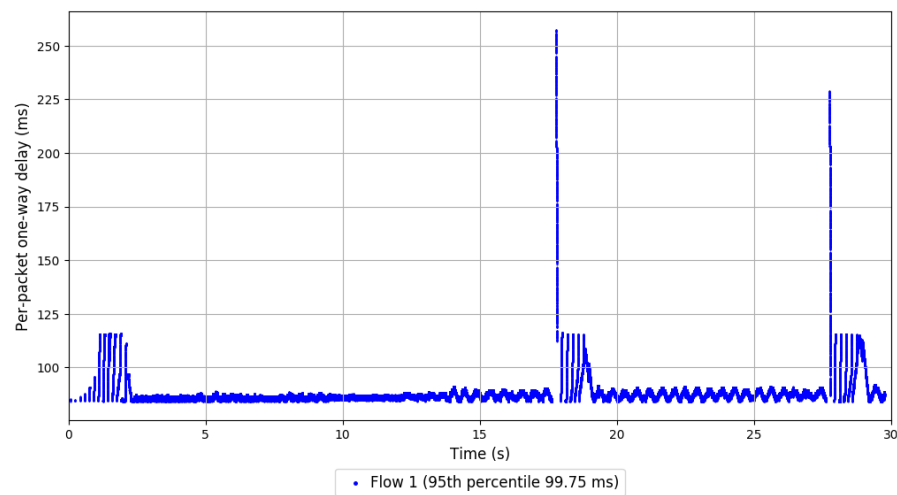
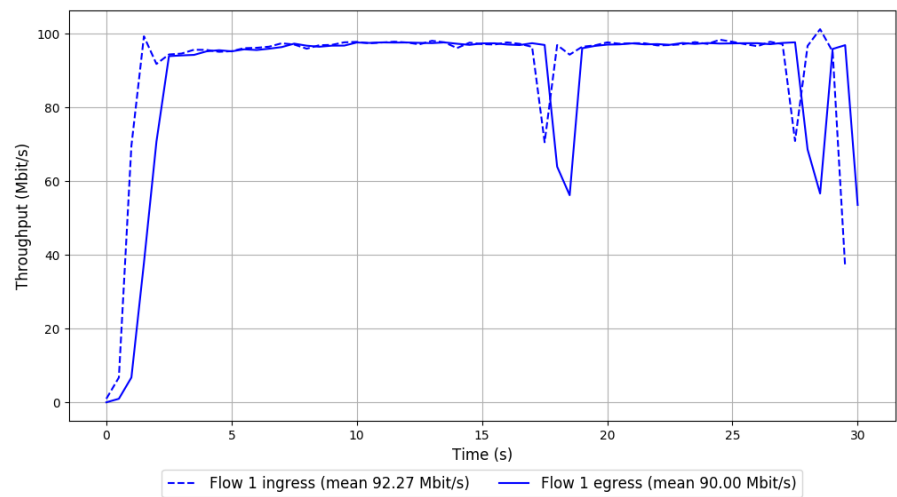


Run 8: Statistics of Indigo

Start at: 2018-07-09 22:18:38  
End at: 2018-07-09 22:19:08  
Local clock offset: -0.792 ms  
Remote clock offset: 36.694 ms

# Below is generated by plot.py at 2018-07-09 23:27:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.00 Mbit/s  
95th percentile per-packet one-way delay: 99.746 ms  
Loss rate: 2.46%  
-- Flow 1:  
Average throughput: 90.00 Mbit/s  
95th percentile per-packet one-way delay: 99.746 ms  
Loss rate: 2.46%

Run 8: Report of Indigo — Data Link

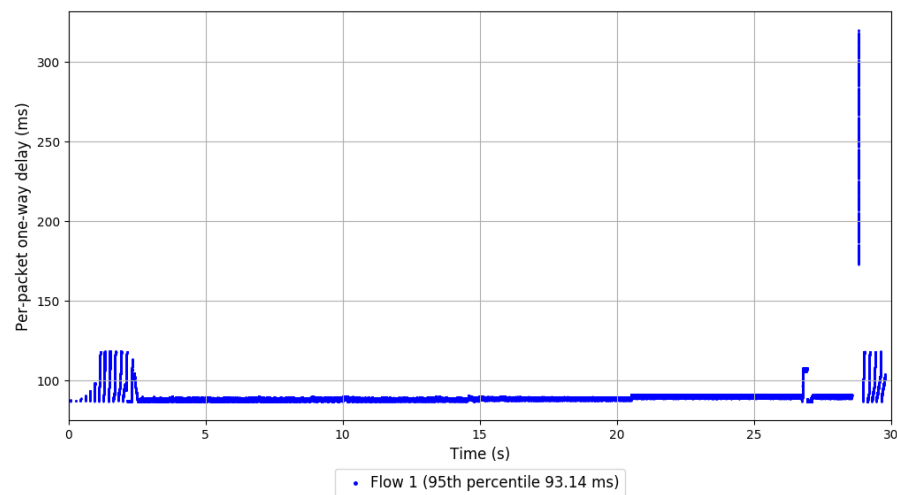
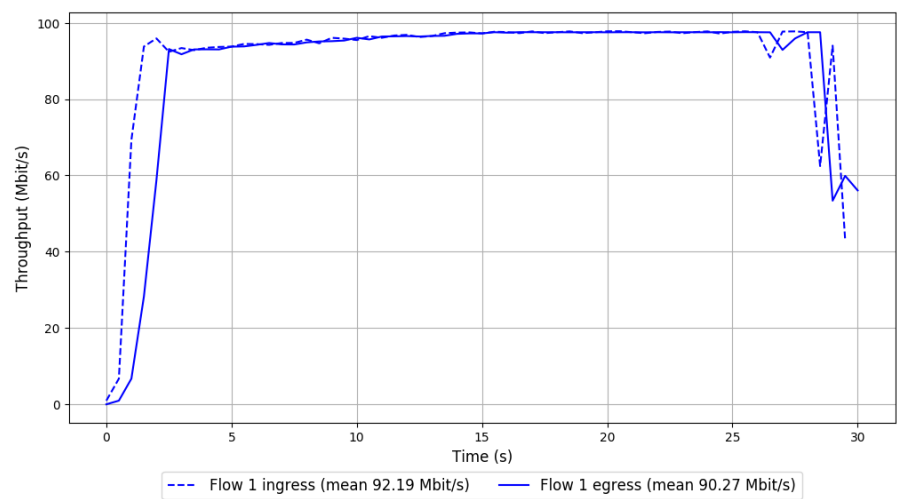


Run 9: Statistics of Indigo

Start at: 2018-07-09 22:38:32  
End at: 2018-07-09 22:39:02  
Local clock offset: -0.878 ms  
Remote clock offset: 43.896 ms

# Below is generated by plot.py at 2018-07-09 23:27:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.27 Mbit/s  
95th percentile per-packet one-way delay: 93.142 ms  
Loss rate: 2.03%  
-- Flow 1:  
Average throughput: 90.27 Mbit/s  
95th percentile per-packet one-way delay: 93.142 ms  
Loss rate: 2.03%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-07-09 22:58:22

End at: 2018-07-09 22:58:52

Local clock offset: -0.889 ms

Remote clock offset: 20.687 ms

# Below is generated by plot.py at 2018-07-09 23:27:44

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.17 Mbit/s

95th percentile per-packet one-way delay: 91.139 ms

Loss rate: 0.76%

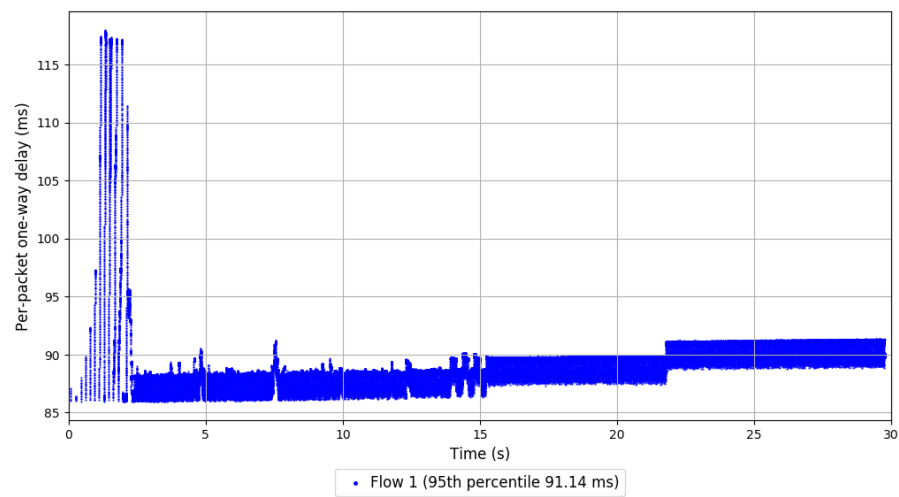
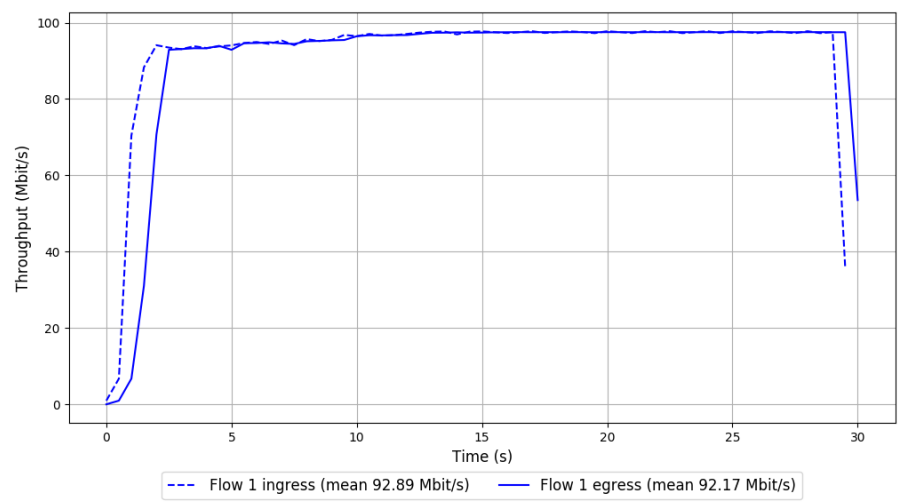
-- Flow 1:

Average throughput: 92.17 Mbit/s

95th percentile per-packet one-way delay: 91.139 ms

Loss rate: 0.76%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of LEDBAT

Start at: 2018-07-09 20:09:53

End at: 2018-07-09 20:10:23

Local clock offset: -0.532 ms

Remote clock offset: 6.76 ms

# Below is generated by plot.py at 2018-07-09 23:27:44

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.16 Mbit/s

95th percentile per-packet one-way delay: 84.393 ms

Loss rate: 0.00%

-- Flow 1:

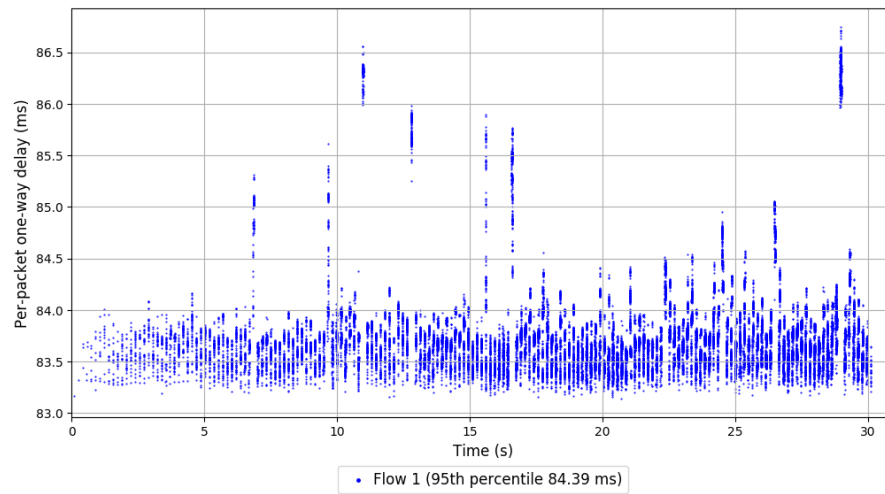
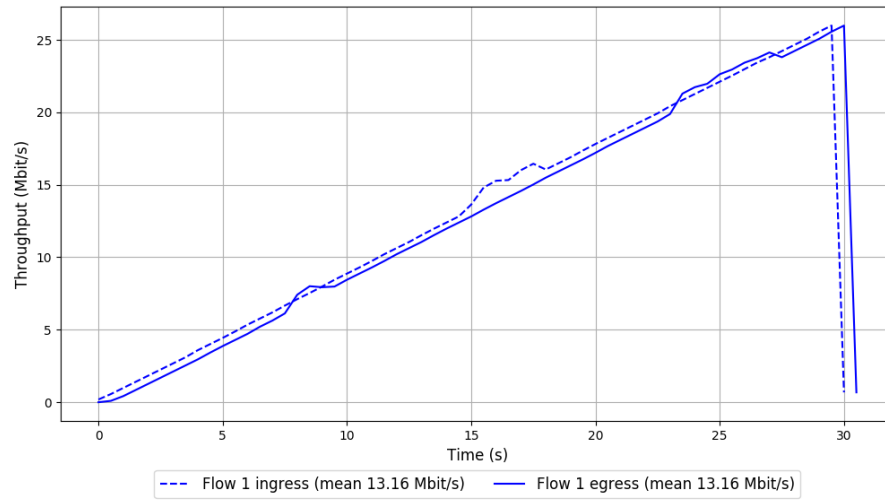
Average throughput: 13.16 Mbit/s

95th percentile per-packet one-way delay: 84.393 ms

Loss rate: 0.00%



# Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2018-07-09 20:29:47

End at: 2018-07-09 20:30:17

Local clock offset: -0.534 ms

Remote clock offset: 7.05 ms

# Below is generated by plot.py at 2018-07-09 23:27:44

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.47 Mbit/s

95th percentile per-packet one-way delay: 85.019 ms

Loss rate: 0.00%

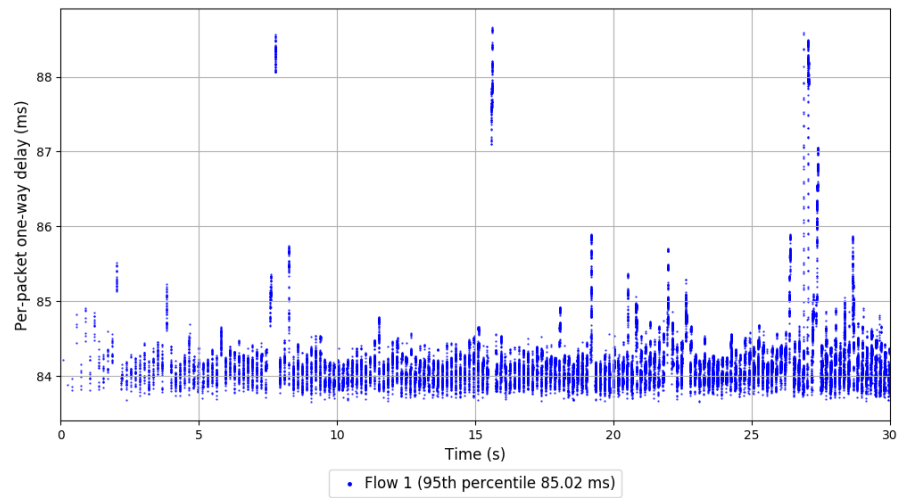
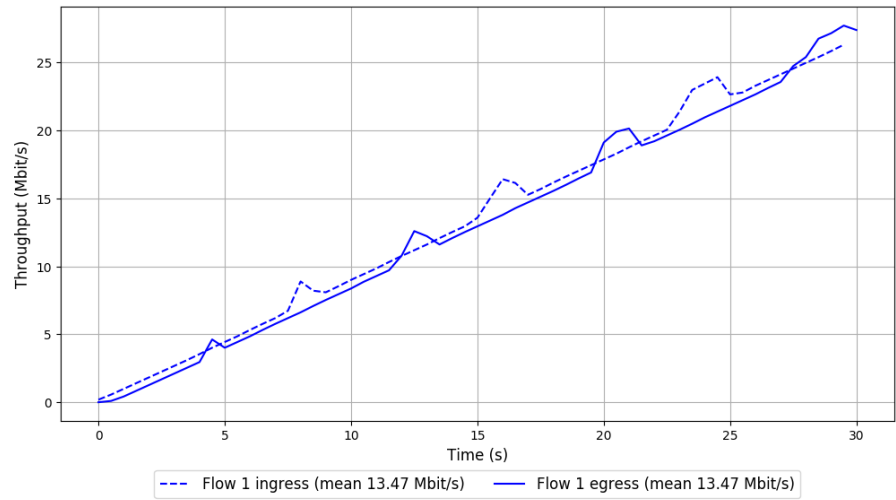
-- Flow 1:

Average throughput: 13.47 Mbit/s

95th percentile per-packet one-way delay: 85.019 ms

Loss rate: 0.00%

## Run 2: Report of LEDBAT — Data Link

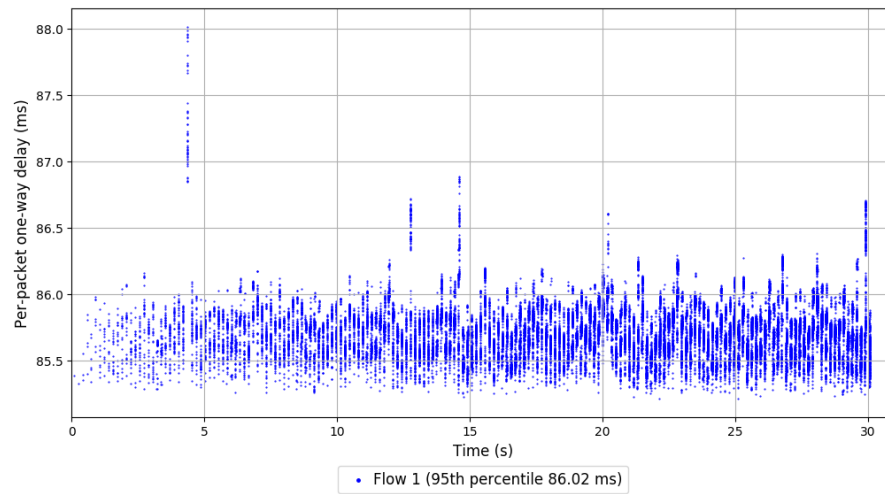
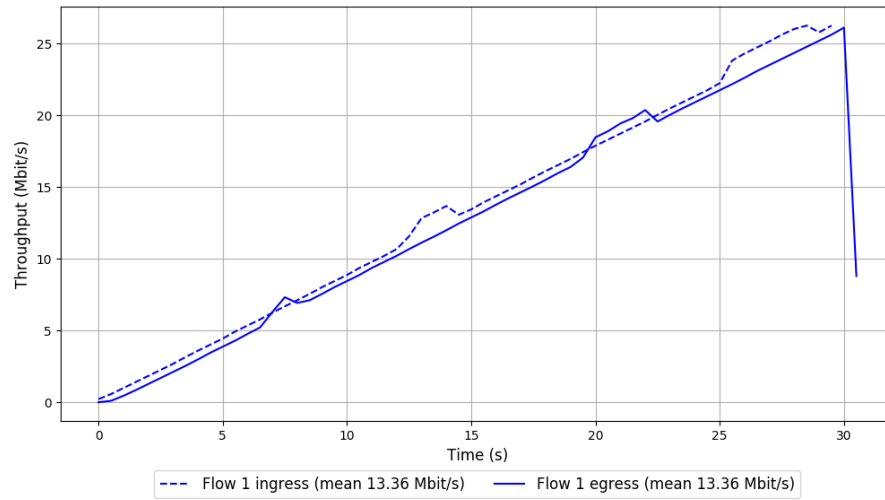


Run 3: Statistics of LEDBAT

Start at: 2018-07-09 20:49:41  
End at: 2018-07-09 20:50:11  
Local clock offset: -0.668 ms  
Remote clock offset: 10.255 ms

# Below is generated by plot.py at 2018-07-09 23:27:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.36 Mbit/s  
95th percentile per-packet one-way delay: 86.016 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 13.36 Mbit/s  
95th percentile per-packet one-way delay: 86.016 ms  
Loss rate: 0.00%

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



Run 4: Statistics of LEDBAT

Start at: 2018-07-09 21:09:34

End at: 2018-07-09 21:10:04

Local clock offset: -0.674 ms

Remote clock offset: 9.585 ms

# Below is generated by plot.py at 2018-07-09 23:27:44

# Datalink statistics

-- Total of 1 flow:

Average throughput: 8.48 Mbit/s

95th percentile per-packet one-way delay: 85.676 ms

Loss rate: 0.01%

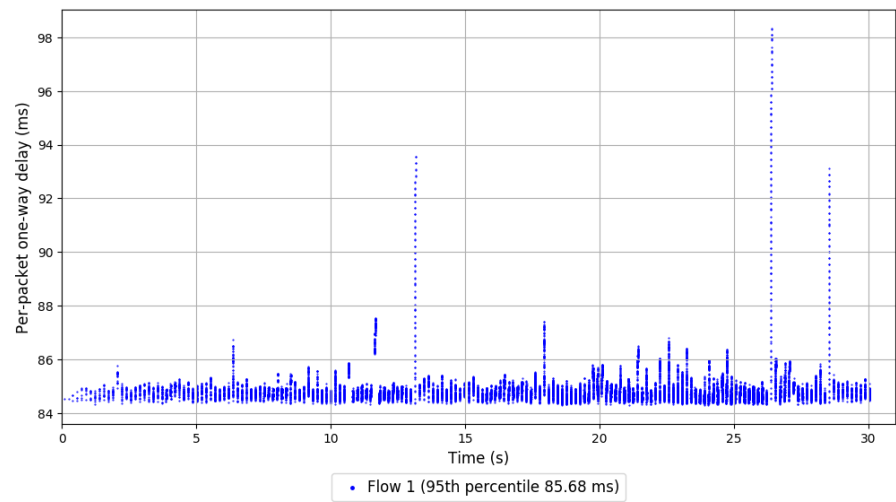
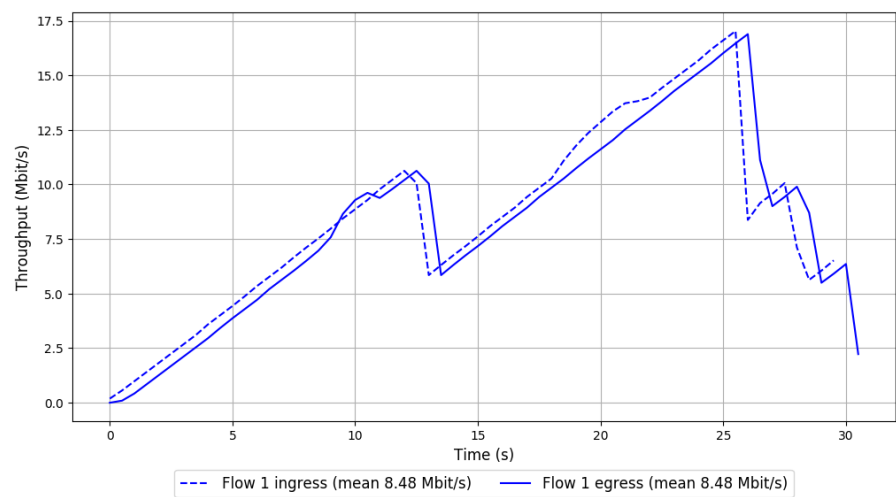
-- Flow 1:

Average throughput: 8.48 Mbit/s

95th percentile per-packet one-way delay: 85.676 ms

Loss rate: 0.01%

Run 4: Report of LEDBAT — Data Link



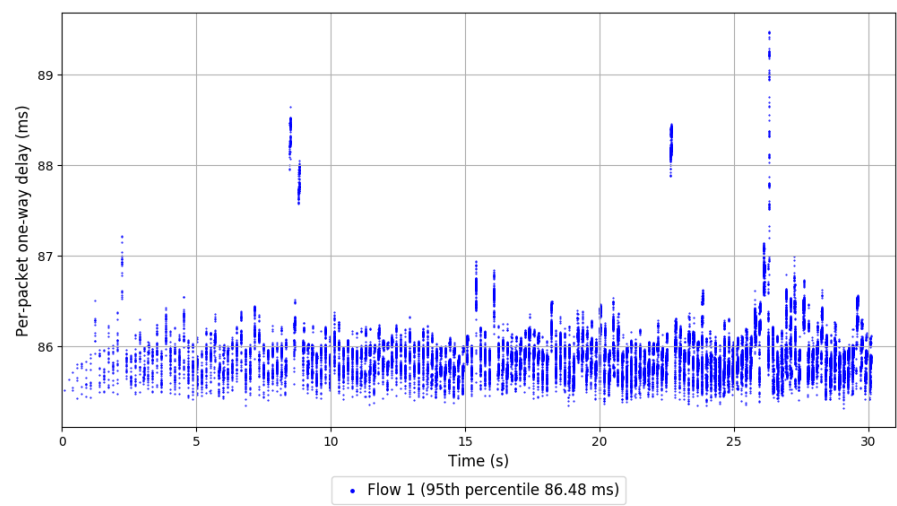
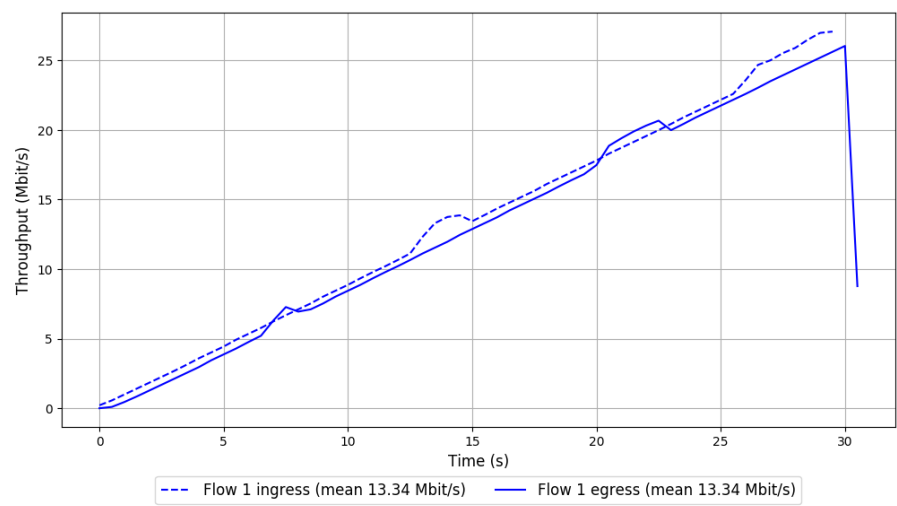
Run 5: Statistics of LEDBAT

Start at: 2018-07-09 21:29:27  
End at: 2018-07-09 21:29:57  
Local clock offset: -0.657 ms  
Remote clock offset: 11.309 ms

# Below is generated by plot.py at 2018-07-09 23:27:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.34 Mbit/s  
95th percentile per-packet one-way delay: 86.482 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 13.34 Mbit/s  
95th percentile per-packet one-way delay: 86.482 ms  
Loss rate: 0.00%



Run 5: Report of LEDBAT — Data Link

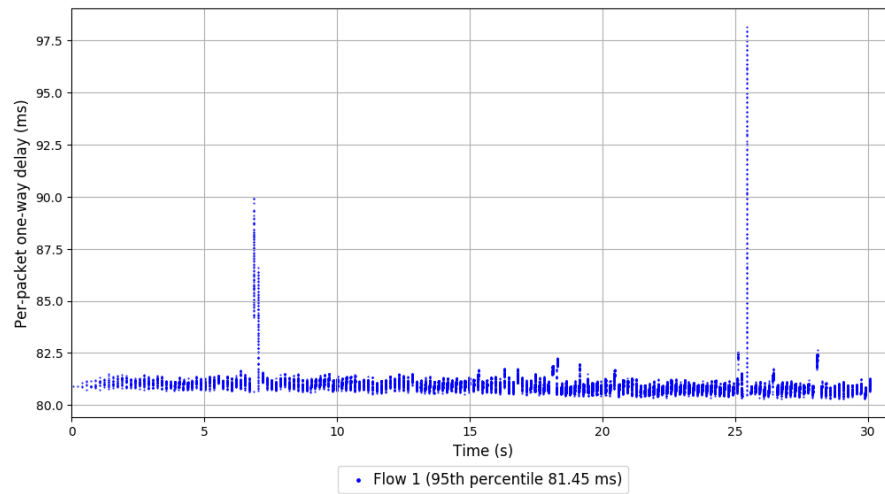
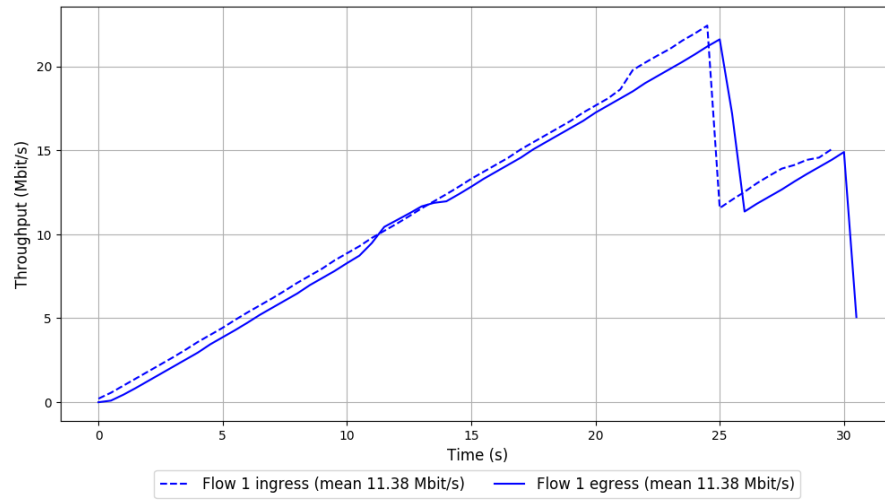


Run 6: Statistics of LEDBAT

Start at: 2018-07-09 21:49:21  
End at: 2018-07-09 21:49:51  
Local clock offset: -0.682 ms  
Remote clock offset: 18.907 ms

# Below is generated by plot.py at 2018-07-09 23:27:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.38 Mbit/s  
95th percentile per-packet one-way delay: 81.446 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 11.38 Mbit/s  
95th percentile per-packet one-way delay: 81.446 ms  
Loss rate: 0.01%

# Run 6: Report of LEDBAT — Data Link

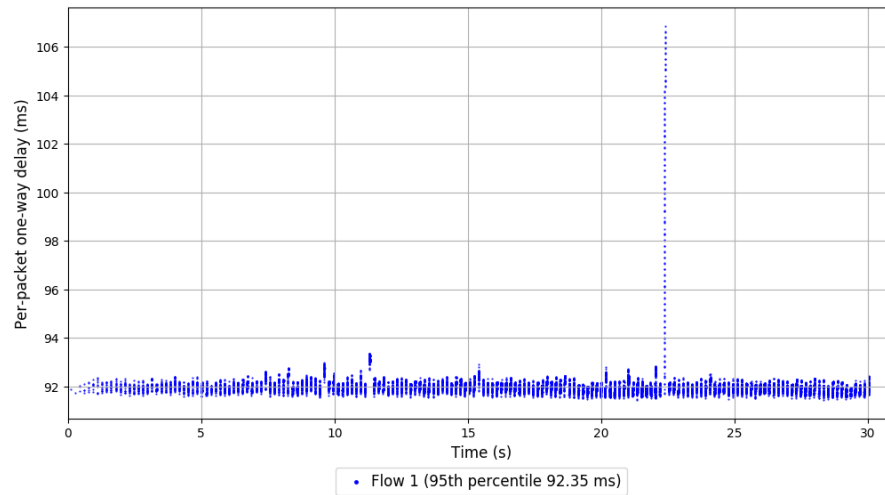
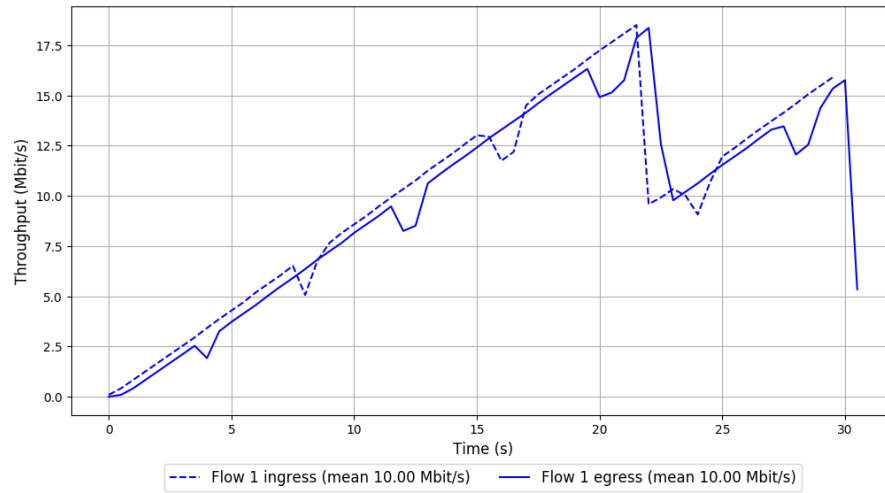


Run 7: Statistics of LEDBAT

Start at: 2018-07-09 22:09:17  
End at: 2018-07-09 22:09:47  
Local clock offset: -0.762 ms  
Remote clock offset: 33.529 ms

# Below is generated by plot.py at 2018-07-09 23:27:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 10.00 Mbit/s  
95th percentile per-packet one-way delay: 92.349 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 10.00 Mbit/s  
95th percentile per-packet one-way delay: 92.349 ms  
Loss rate: 0.00%

## Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-07-09 22:29:12

End at: 2018-07-09 22:29:42

Local clock offset: -0.832 ms

Remote clock offset: 40.06 ms

# Below is generated by plot.py at 2018-07-09 23:27:44

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.01 Mbit/s

95th percentile per-packet one-way delay: 86.563 ms

Loss rate: 0.00%

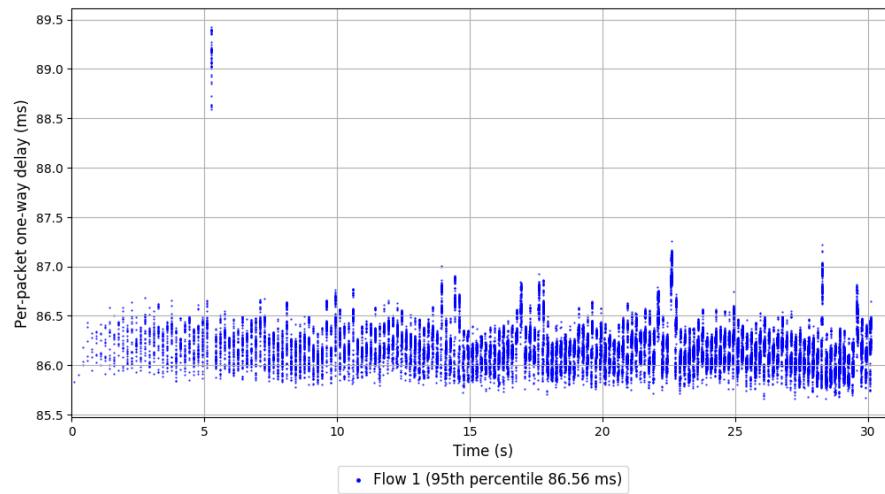
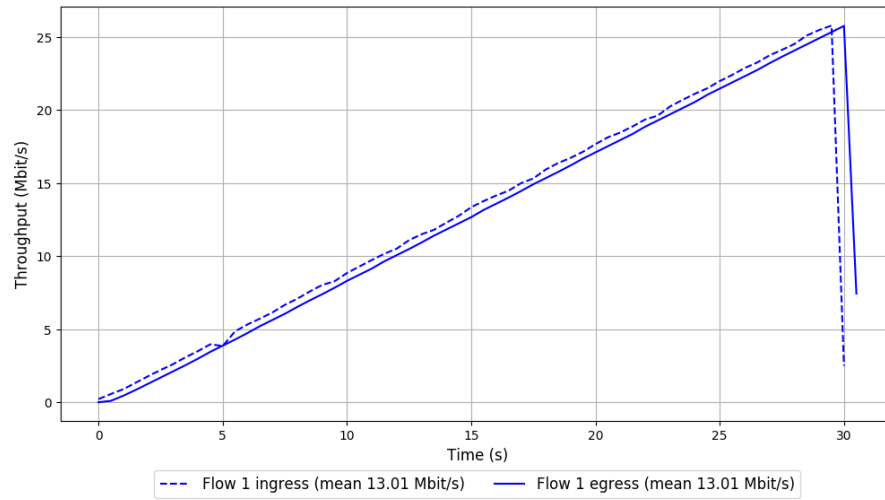
-- Flow 1:

Average throughput: 13.01 Mbit/s

95th percentile per-packet one-way delay: 86.563 ms

Loss rate: 0.00%

# Run 8: Report of LEDBAT — Data Link



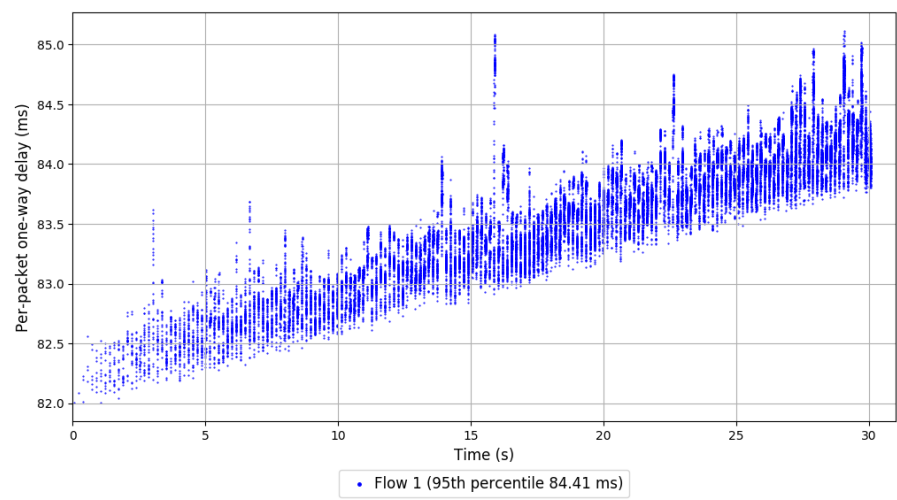
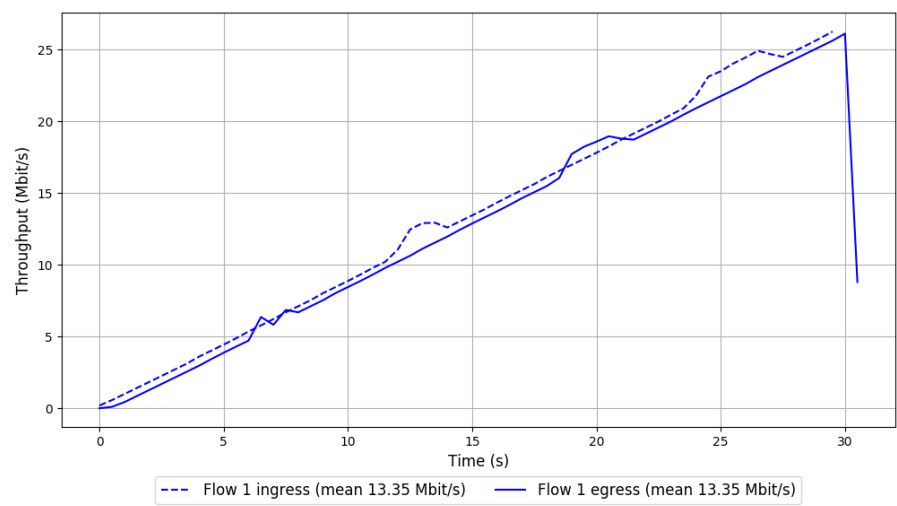
Run 9: Statistics of LEDBAT

Start at: 2018-07-09 22:49:01  
End at: 2018-07-09 22:49:31  
Local clock offset: -0.866 ms  
Remote clock offset: 40.639 ms

# Below is generated by plot.py at 2018-07-09 23:27:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.35 Mbit/s  
95th percentile per-packet one-way delay: 84.407 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 13.35 Mbit/s  
95th percentile per-packet one-way delay: 84.407 ms  
Loss rate: 0.00%



Run 9: Report of LEDBAT — Data Link

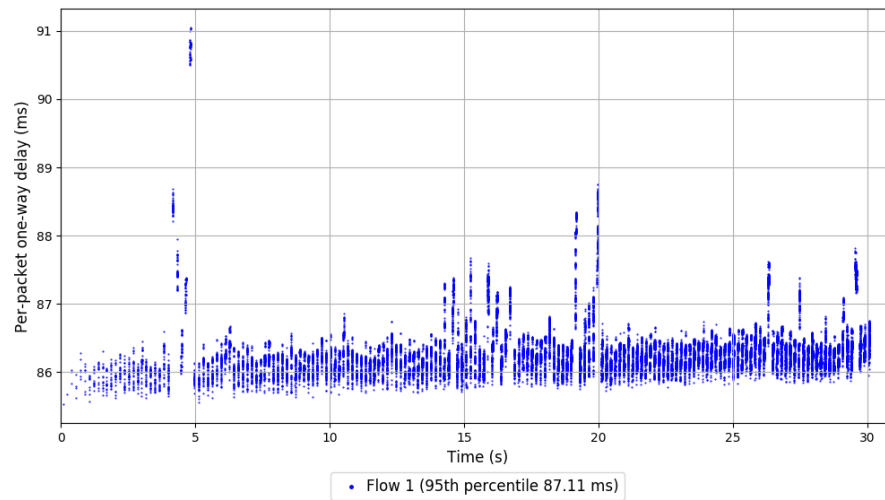
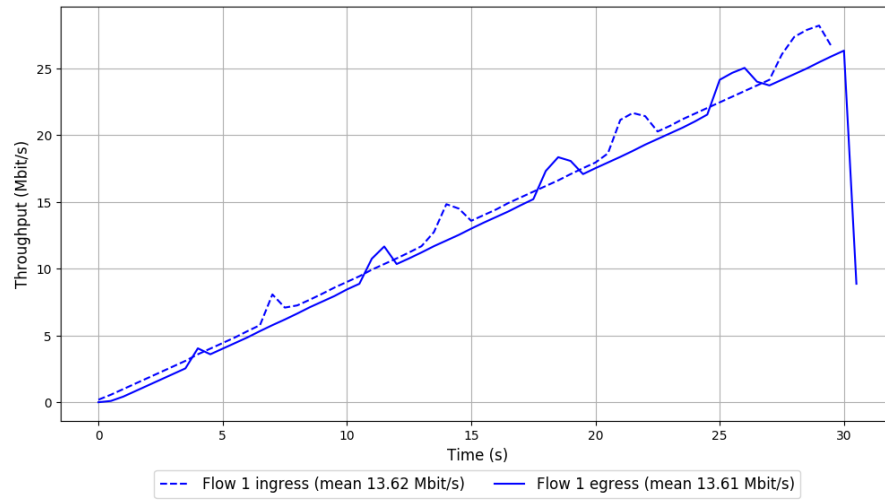


Run 10: Statistics of LEDBAT

Start at: 2018-07-09 23:08:51  
End at: 2018-07-09 23:09:21  
Local clock offset: -0.938 ms  
Remote clock offset: 12.265 ms

# Below is generated by plot.py at 2018-07-09 23:27:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.61 Mbit/s  
95th percentile per-packet one-way delay: 87.113 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 13.61 Mbit/s  
95th percentile per-packet one-way delay: 87.113 ms  
Loss rate: 0.00%

# Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-07-09 20:11:01

End at: 2018-07-09 20:11:31

Local clock offset: -0.467 ms

Remote clock offset: 2.936 ms

# Below is generated by plot.py at 2018-07-09 23:28:39

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.01 Mbit/s

95th percentile per-packet one-way delay: 88.970 ms

Loss rate: 1.38%

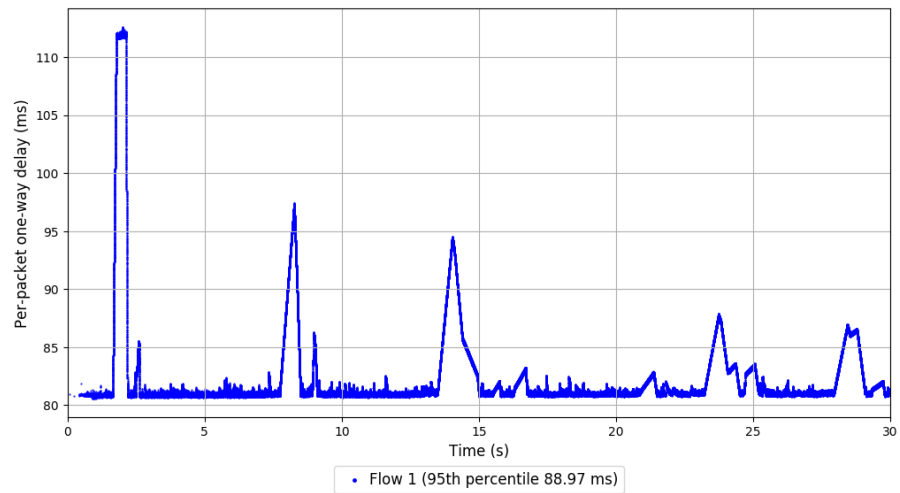
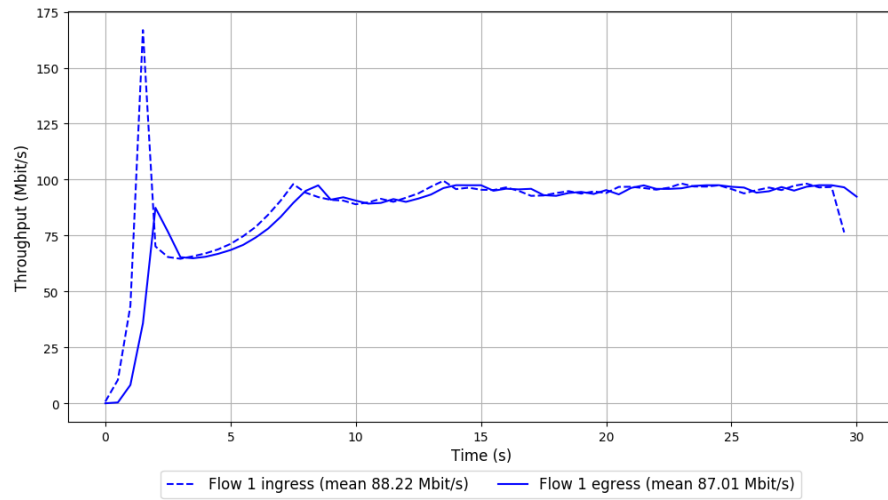
-- Flow 1:

Average throughput: 87.01 Mbit/s

95th percentile per-packet one-way delay: 88.970 ms

Loss rate: 1.38%

## Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-07-09 20:30:55

End at: 2018-07-09 20:31:25

Local clock offset: -0.537 ms

Remote clock offset: 7.041 ms

# Below is generated by plot.py at 2018-07-09 23:28:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.57 Mbit/s

95th percentile per-packet one-way delay: 101.352 ms

Loss rate: 1.43%

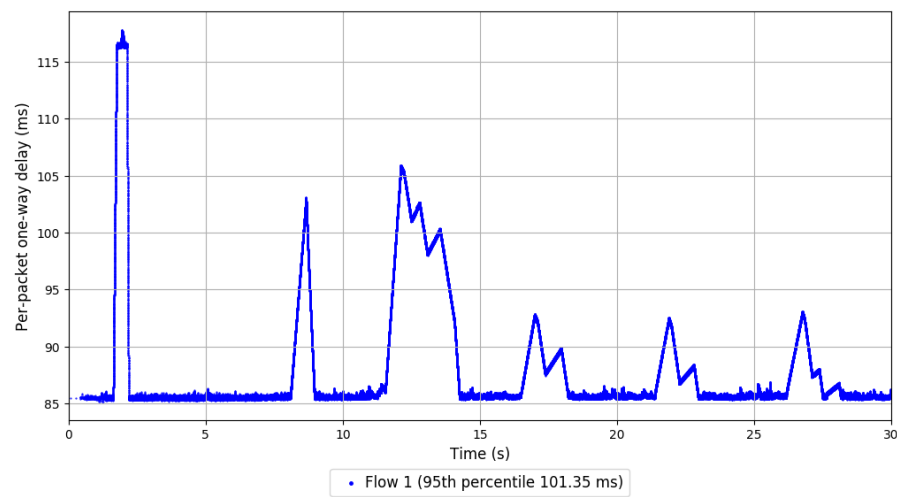
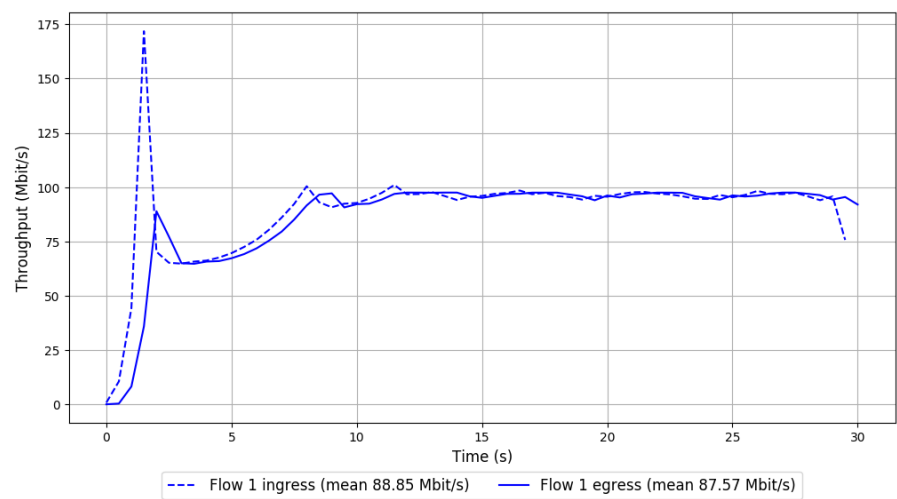
-- Flow 1:

Average throughput: 87.57 Mbit/s

95th percentile per-packet one-way delay: 101.352 ms

Loss rate: 1.43%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-07-09 20:50:49

End at: 2018-07-09 20:51:19

Local clock offset: -0.617 ms

Remote clock offset: 4.242 ms

# Below is generated by plot.py at 2018-07-09 23:28:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.49 Mbit/s

95th percentile per-packet one-way delay: 96.800 ms

Loss rate: 1.45%

-- Flow 1:

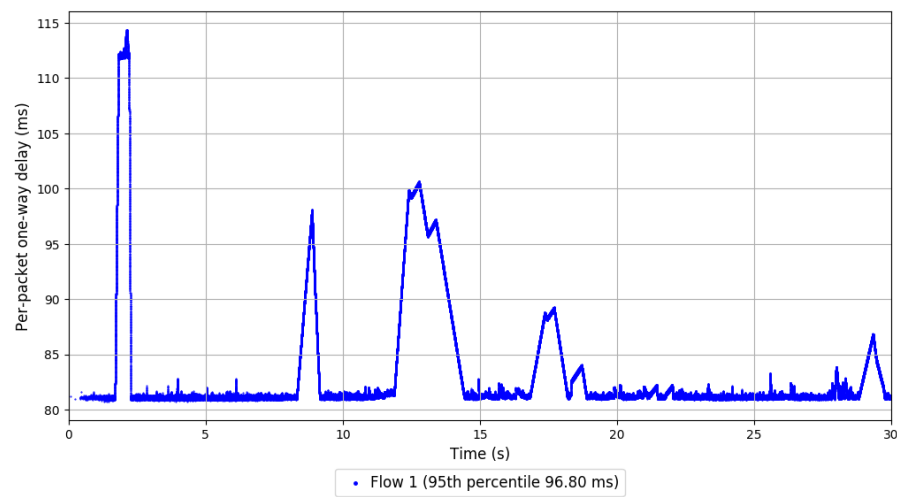
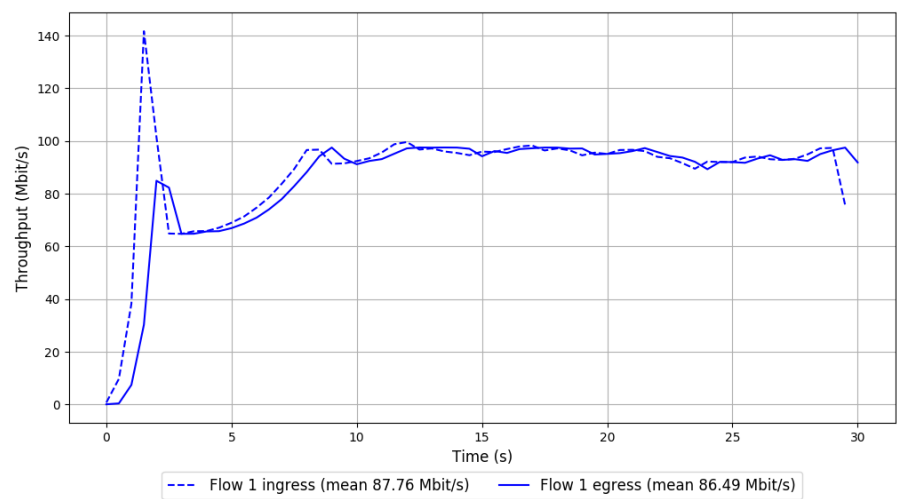
Average throughput: 86.49 Mbit/s

95th percentile per-packet one-way delay: 96.800 ms

Loss rate: 1.45%



Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-07-09 21:10:42

End at: 2018-07-09 21:11:12

Local clock offset: -0.732 ms

Remote clock offset: 5.732 ms

# Below is generated by plot.py at 2018-07-09 23:28:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.59 Mbit/s

95th percentile per-packet one-way delay: 94.161 ms

Loss rate: 1.43%

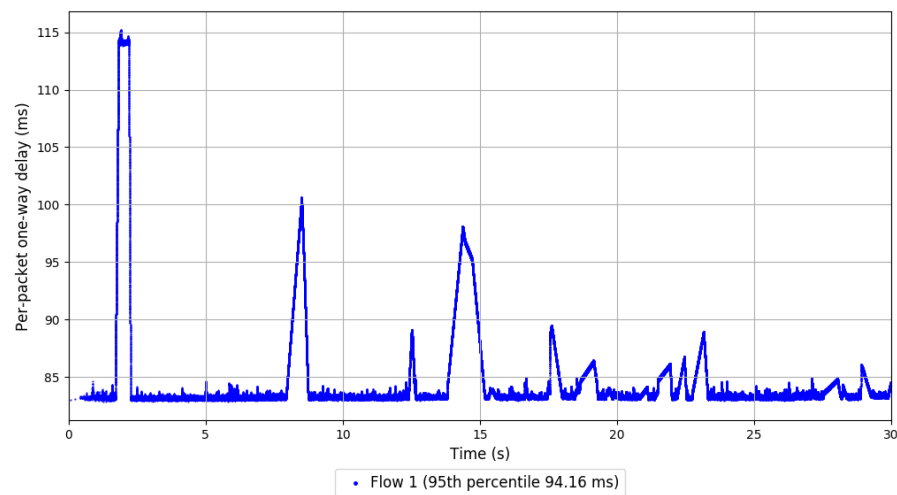
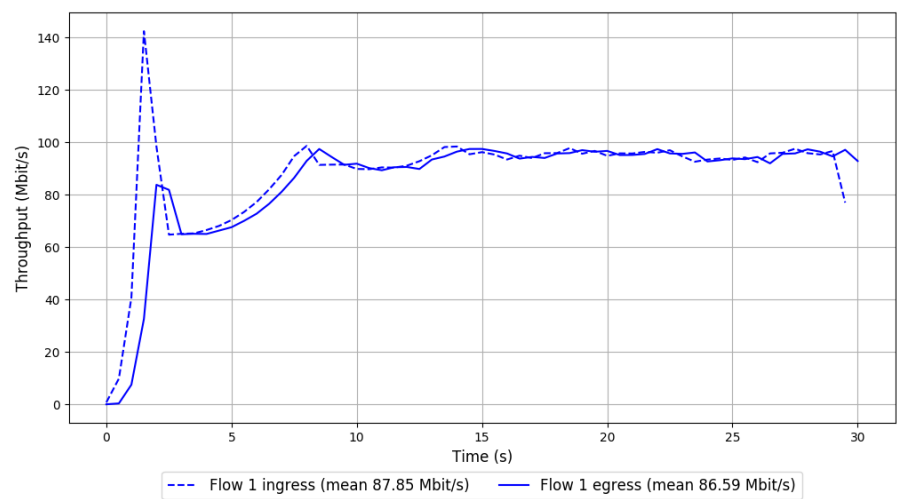
-- Flow 1:

Average throughput: 86.59 Mbit/s

95th percentile per-packet one-way delay: 94.161 ms

Loss rate: 1.43%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-07-09 21:30:34

End at: 2018-07-09 21:31:04

Local clock offset: -0.652 ms

Remote clock offset: 10.176 ms

# Below is generated by plot.py at 2018-07-09 23:28:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.60 Mbit/s

95th percentile per-packet one-way delay: 97.528 ms

Loss rate: 1.42%

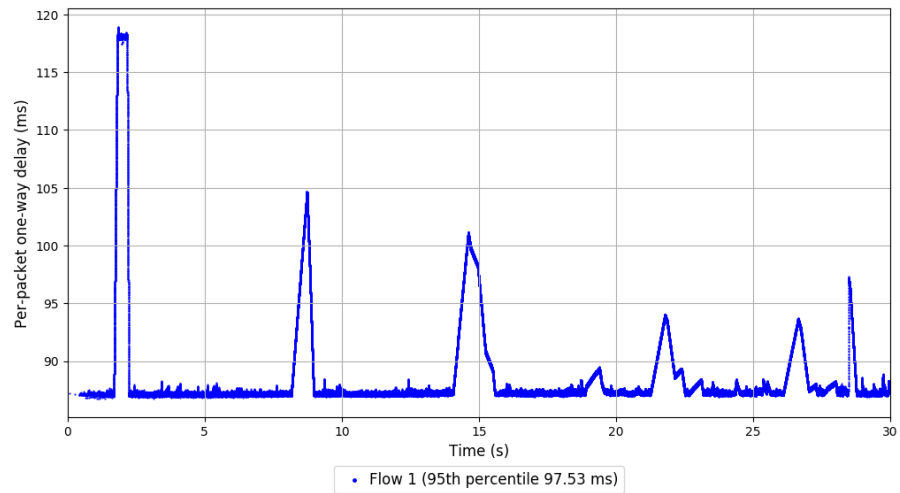
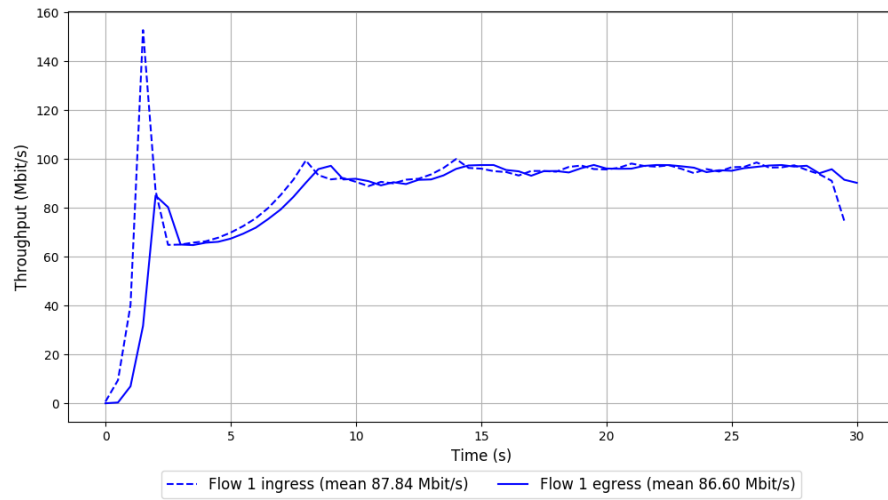
-- Flow 1:

Average throughput: 86.60 Mbit/s

95th percentile per-packet one-way delay: 97.528 ms

Loss rate: 1.42%

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

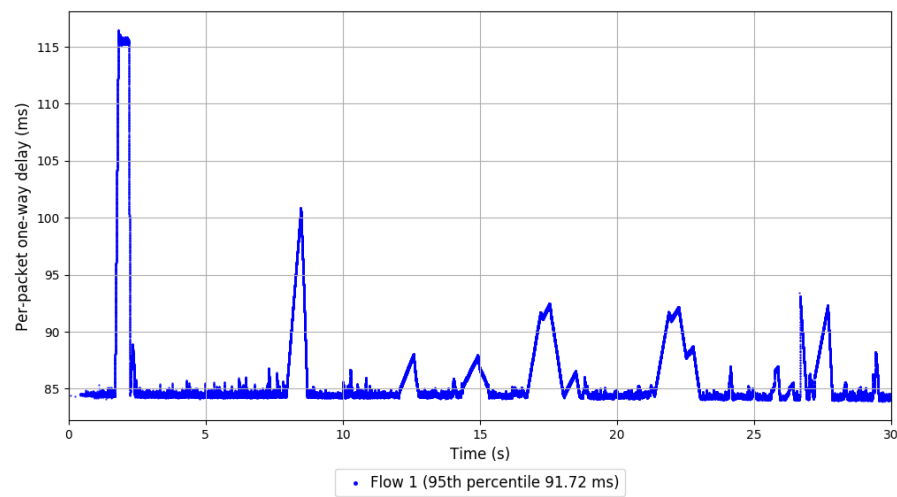
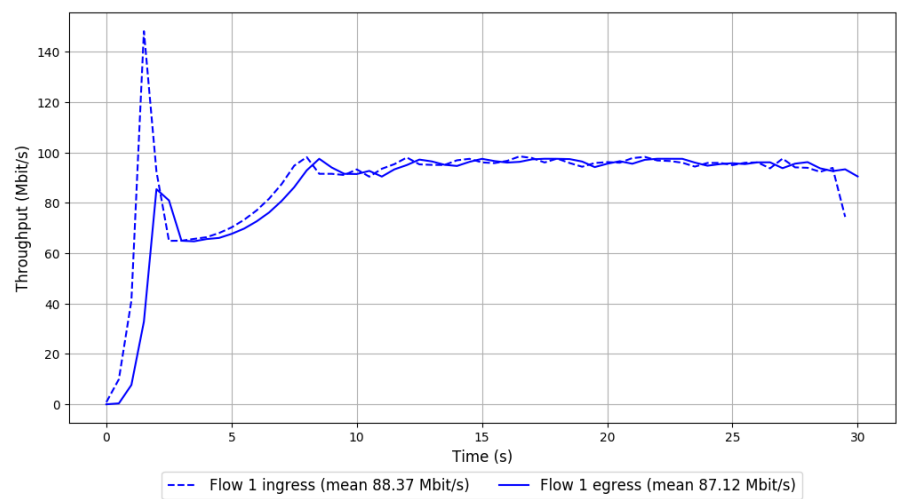


Run 6: Statistics of PCC-Allegro

Start at: 2018-07-09 21:50:29  
End at: 2018-07-09 21:50:59  
Local clock offset: -0.704 ms  
Remote clock offset: 23.854 ms

# Below is generated by plot.py at 2018-07-09 23:28:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.12 Mbit/s  
95th percentile per-packet one-way delay: 91.717 ms  
Loss rate: 1.42%  
-- Flow 1:  
Average throughput: 87.12 Mbit/s  
95th percentile per-packet one-way delay: 91.717 ms  
Loss rate: 1.42%

Run 6: Report of PCC-Allegro — Data Link



Run 7: Statistics of PCC-Allegro

Start at: 2018-07-09 22:10:24

End at: 2018-07-09 22:10:54

Local clock offset: -0.776 ms

Remote clock offset: 32.775 ms

# Below is generated by plot.py at 2018-07-09 23:28:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.77 Mbit/s

95th percentile per-packet one-way delay: 103.958 ms

Loss rate: 1.51%

-- Flow 1:

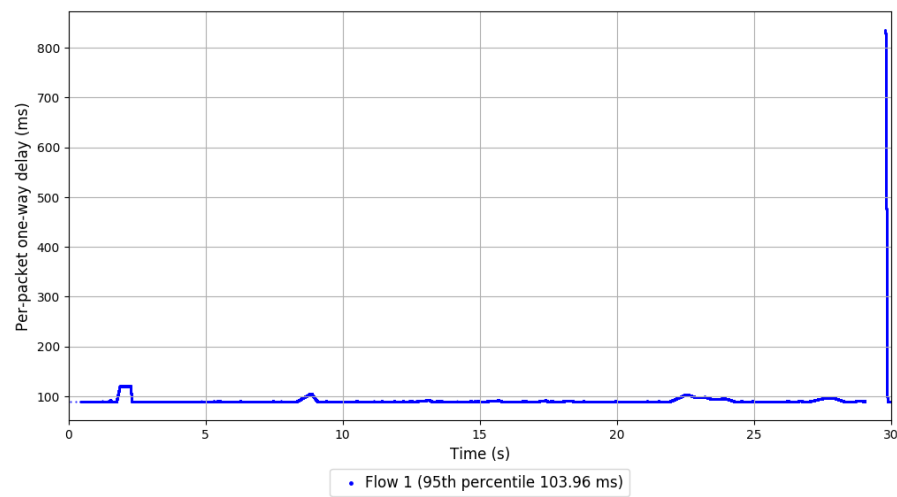
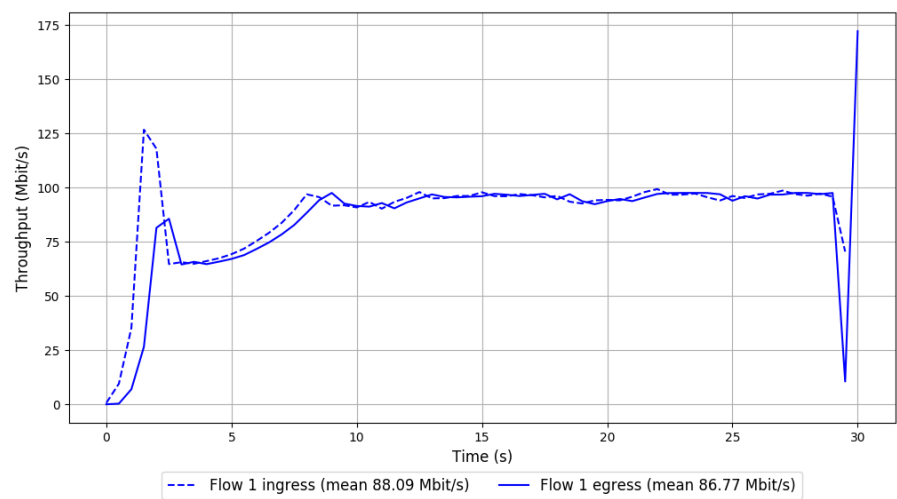
Average throughput: 86.77 Mbit/s

95th percentile per-packet one-way delay: 103.958 ms

Loss rate: 1.51%



Run 7: Report of PCC-Allegro — Data Link

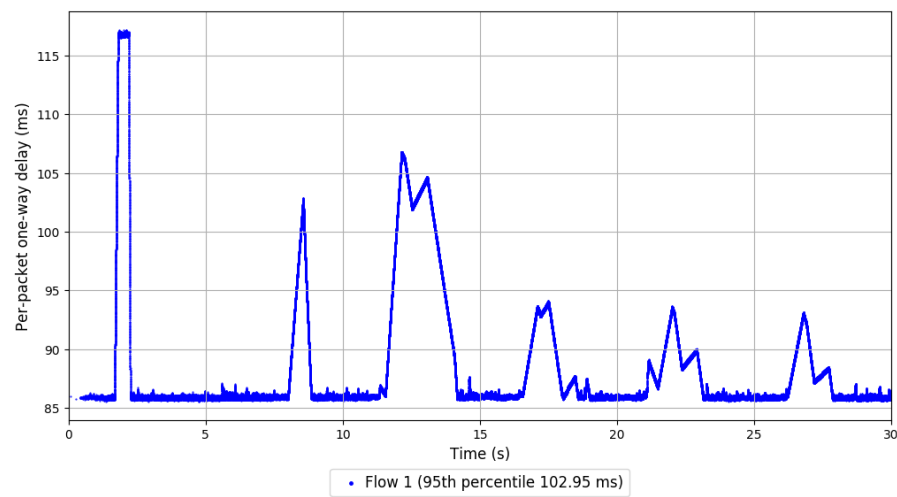
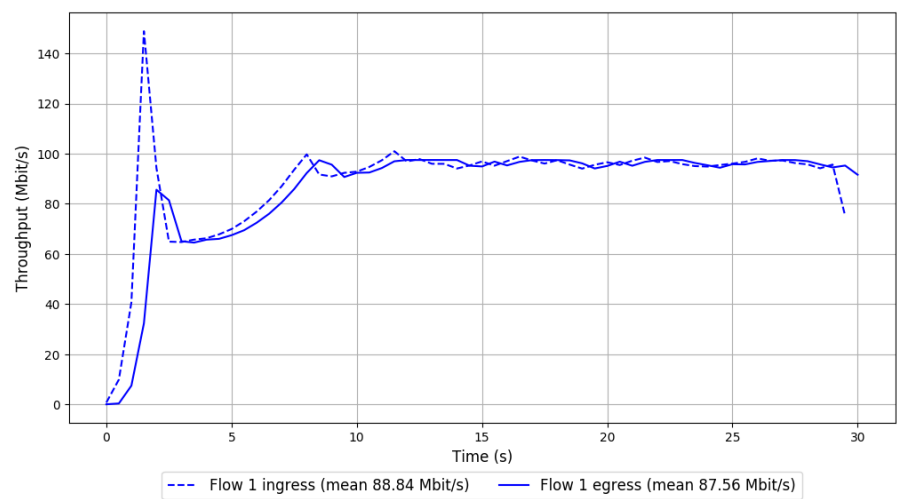


Run 8: Statistics of PCC-Allegro

Start at: 2018-07-09 22:30:19  
End at: 2018-07-09 22:30:49  
Local clock offset: -0.835 ms  
Remote clock offset: 41.458 ms

# Below is generated by plot.py at 2018-07-09 23:28:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.56 Mbit/s  
95th percentile per-packet one-way delay: 102.954 ms  
Loss rate: 1.43%  
-- Flow 1:  
Average throughput: 87.56 Mbit/s  
95th percentile per-packet one-way delay: 102.954 ms  
Loss rate: 1.43%

Run 8: Report of PCC-Allegro — Data Link

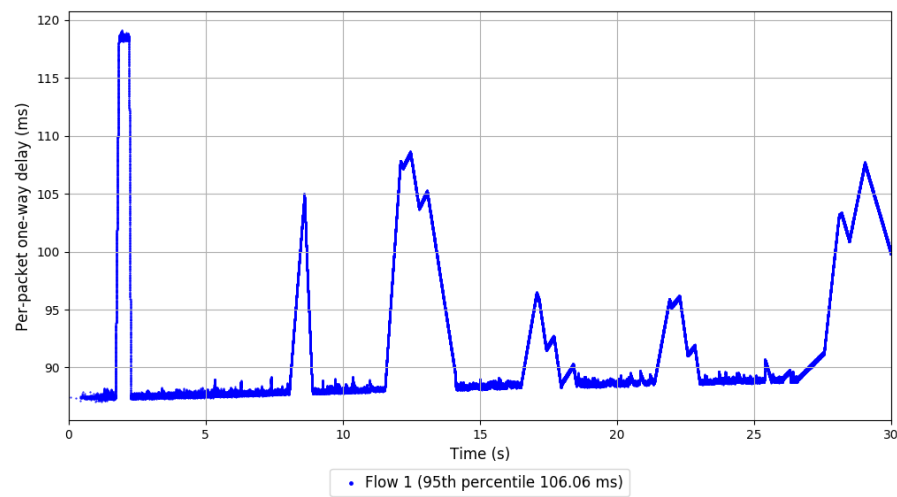
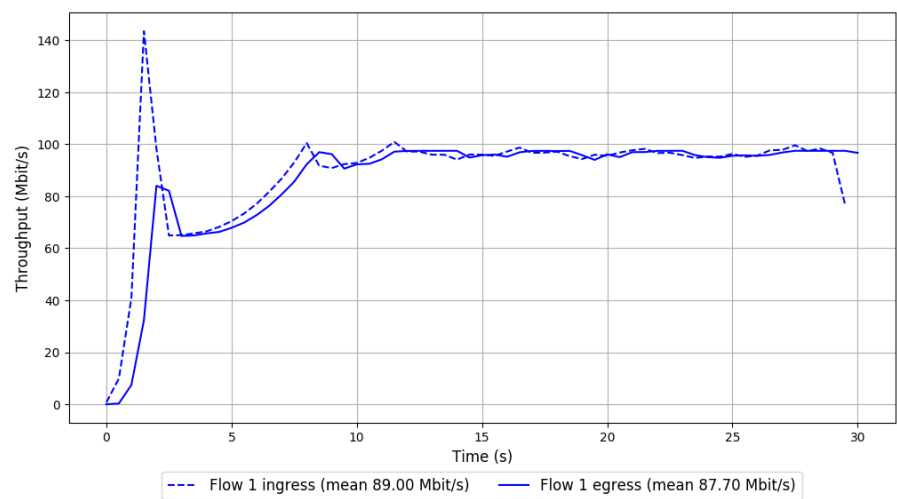


Run 9: Statistics of PCC-Allegro

Start at: 2018-07-09 22:50:09  
End at: 2018-07-09 22:50:39  
Local clock offset: -0.892 ms  
Remote clock offset: 41.641 ms

# Below is generated by plot.py at 2018-07-09 23:29:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.70 Mbit/s  
95th percentile per-packet one-way delay: 106.055 ms  
Loss rate: 1.42%  
-- Flow 1:  
Average throughput: 87.70 Mbit/s  
95th percentile per-packet one-way delay: 106.055 ms  
Loss rate: 1.42%

Run 9: Report of PCC-Allegro — Data Link

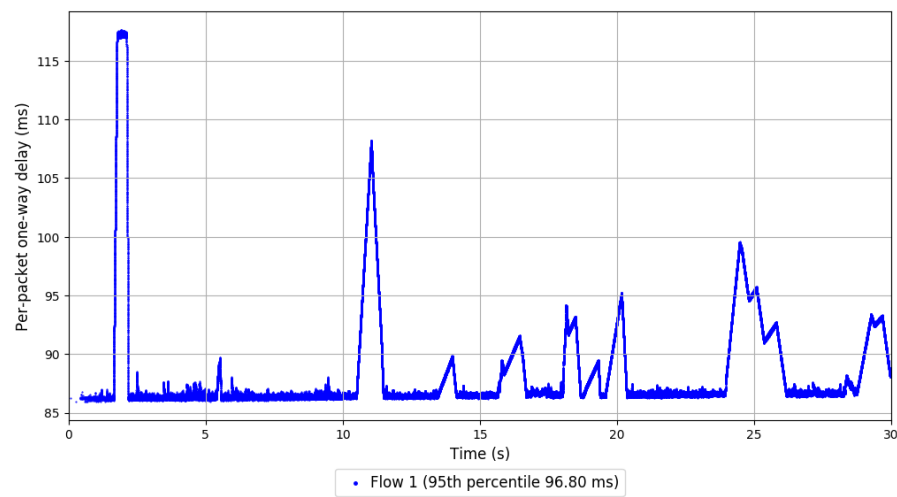
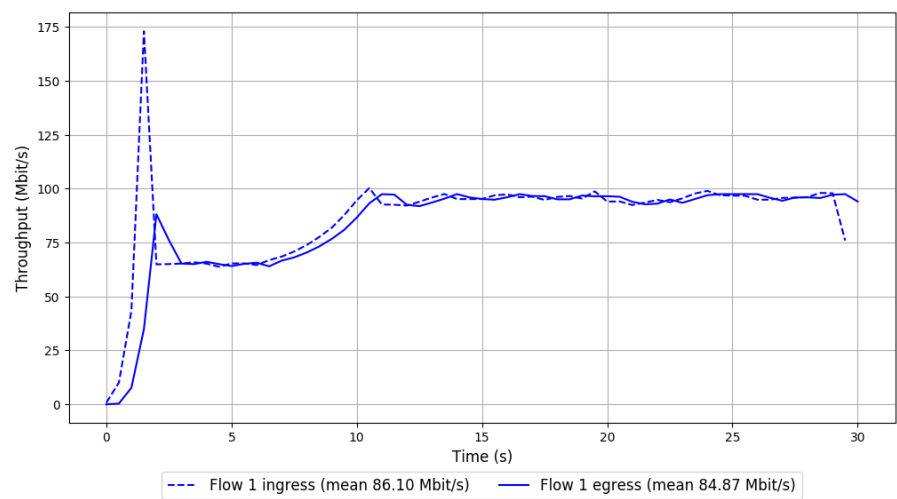


Run 10: Statistics of PCC-Allegro

Start at: 2018-07-09 23:09:59  
End at: 2018-07-09 23:10:29  
Local clock offset: -0.865 ms  
Remote clock offset: 10.429 ms

# Below is generated by plot.py at 2018-07-09 23:29:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.87 Mbit/s  
95th percentile per-packet one-way delay: 96.803 ms  
Loss rate: 1.43%  
-- Flow 1:  
Average throughput: 84.87 Mbit/s  
95th percentile per-packet one-way delay: 96.803 ms  
Loss rate: 1.43%

Run 10: Report of PCC-Allegro — Data Link



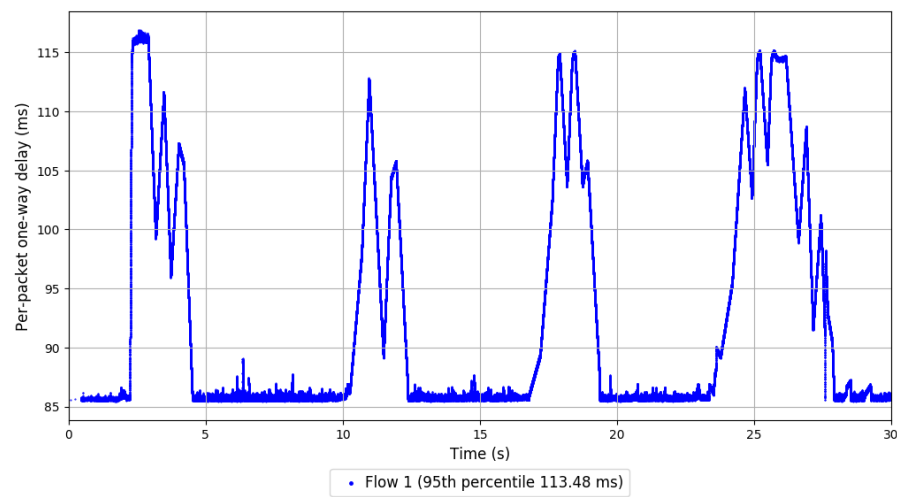
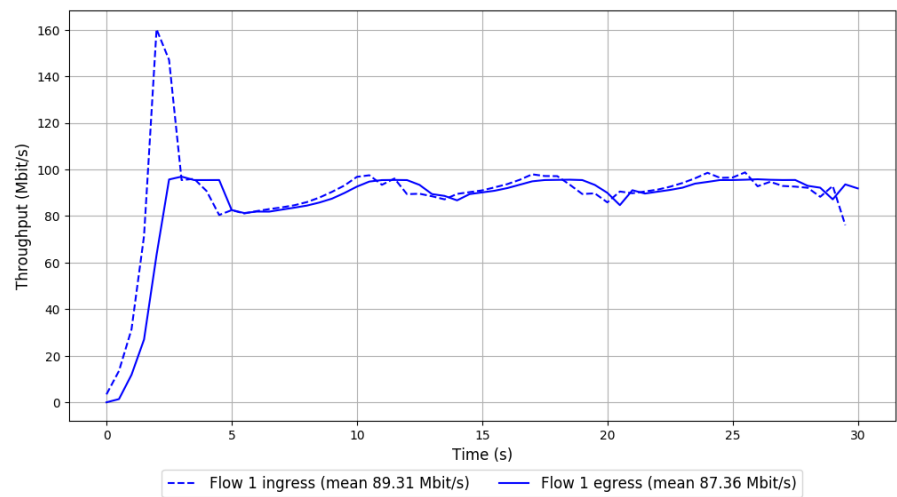
```
Run 1: Statistics of PCC-Expr

Start at: 2018-07-09 20:14:34
End at: 2018-07-09 20:15:04
Local clock offset: -0.467 ms
Remote clock offset: 8.06 ms

# Below is generated by plot.py at 2018-07-09 23:30:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 113.476 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 87.36 Mbit/s
95th percentile per-packet one-way delay: 113.476 ms
Loss rate: 2.19%
```



Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2018-07-09 20:34:30

End at: 2018-07-09 20:35:00

Local clock offset: -0.586 ms

Remote clock offset: 8.338 ms

# Below is generated by plot.py at 2018-07-09 23:30:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.17 Mbit/s

95th percentile per-packet one-way delay: 118.909 ms

Loss rate: 2.29%

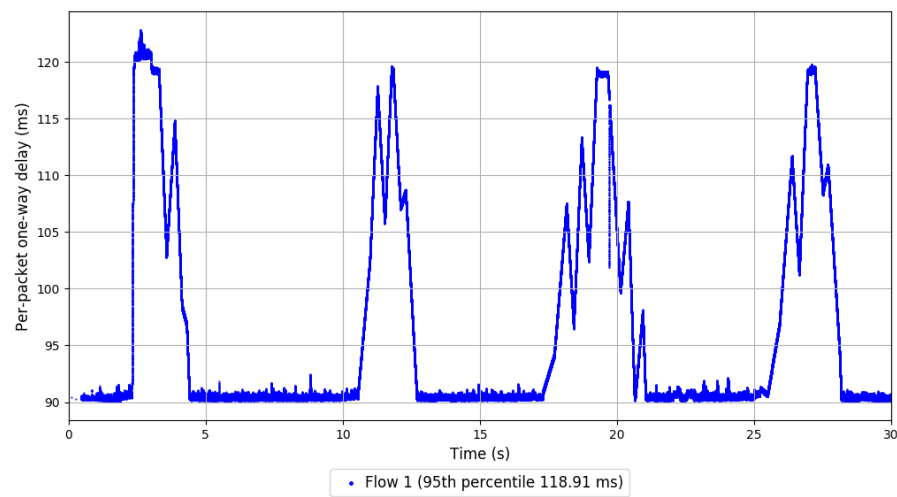
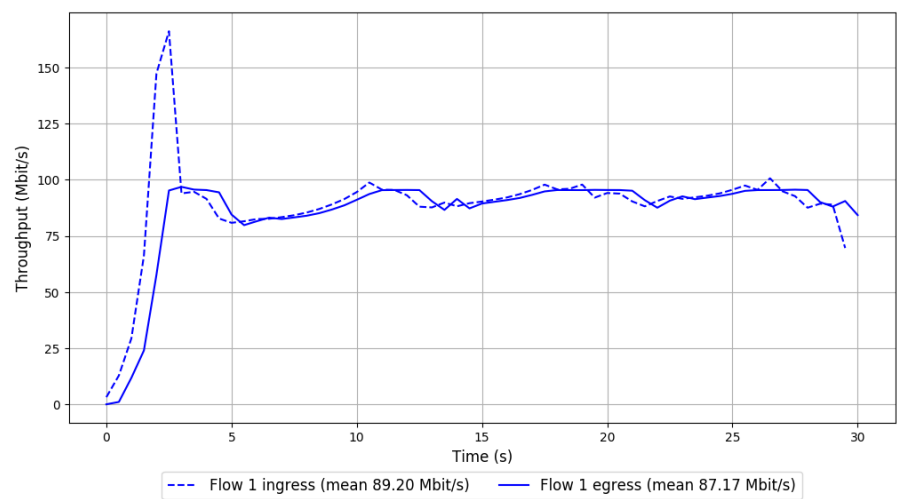
-- Flow 1:

Average throughput: 87.17 Mbit/s

95th percentile per-packet one-way delay: 118.909 ms

Loss rate: 2.29%

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2018-07-09 20:54:22

End at: 2018-07-09 20:54:52

Local clock offset: -0.653 ms

Remote clock offset: 8.223 ms

# Below is generated by plot.py at 2018-07-09 23:30:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.47 Mbit/s

95th percentile per-packet one-way delay: 119.542 ms

Loss rate: 2.50%

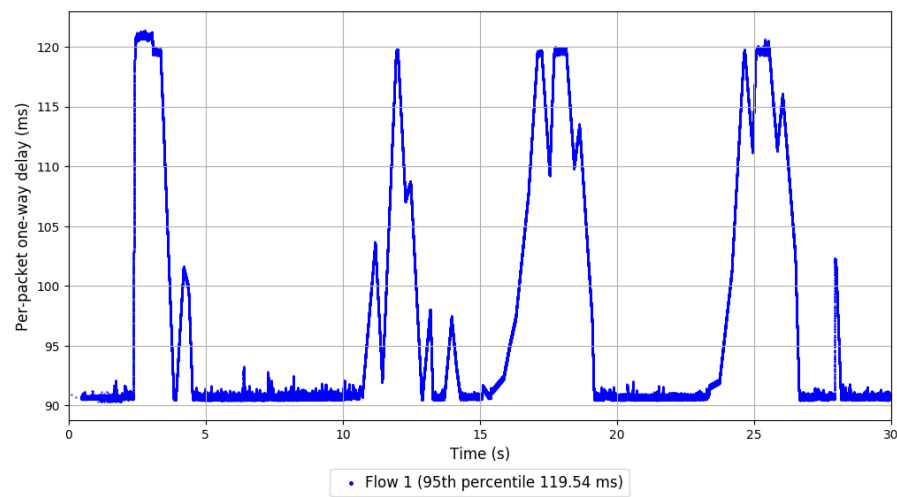
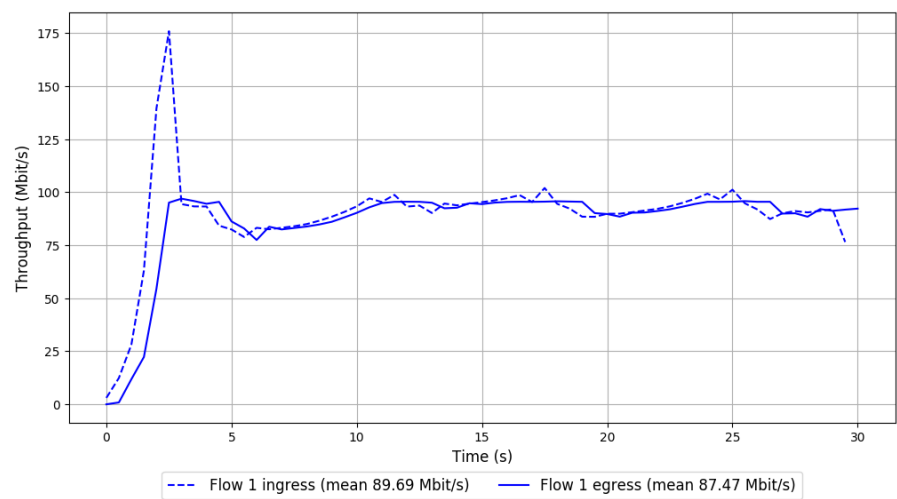
-- Flow 1:

Average throughput: 87.47 Mbit/s

95th percentile per-packet one-way delay: 119.542 ms

Loss rate: 2.50%

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-07-09 21:14:15

End at: 2018-07-09 21:14:45

Local clock offset: -0.739 ms

Remote clock offset: 4.783 ms

# Below is generated by plot.py at 2018-07-09 23:30:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.81 Mbit/s

95th percentile per-packet one-way delay: 109.243 ms

Loss rate: 2.24%

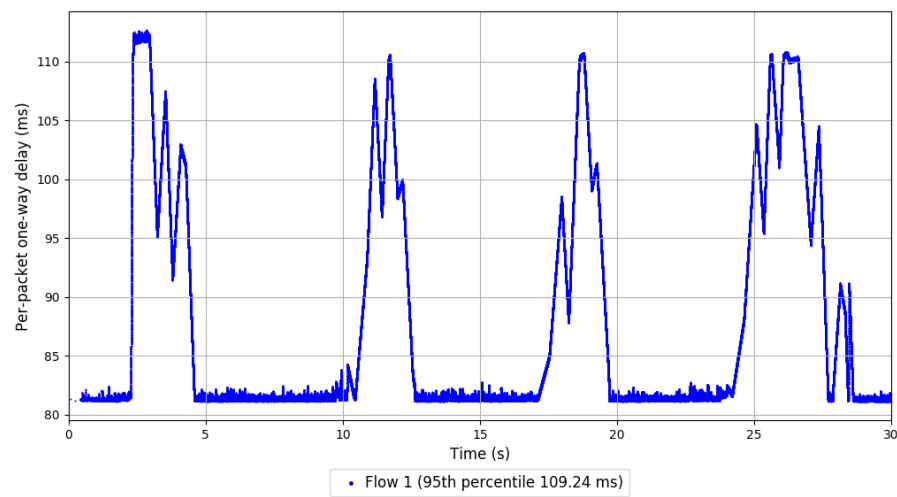
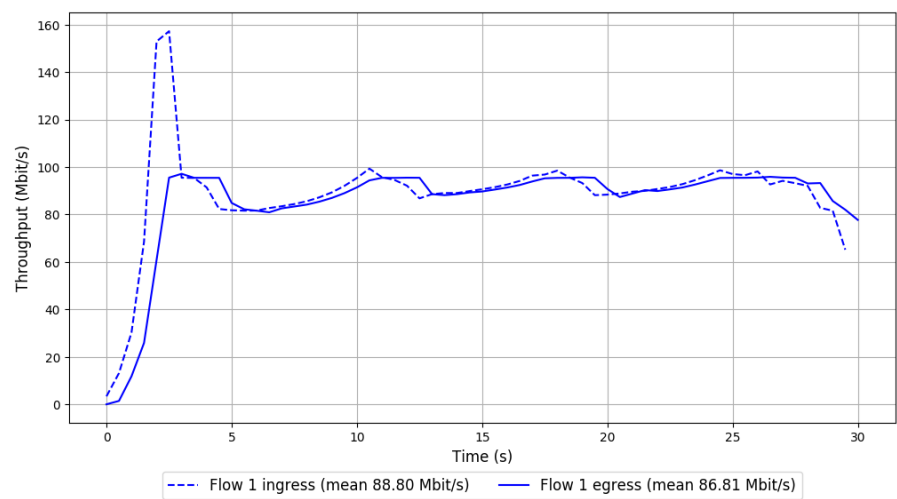
-- Flow 1:

Average throughput: 86.81 Mbit/s

95th percentile per-packet one-way delay: 109.243 ms

Loss rate: 2.24%

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2018-07-09 21:34:10

End at: 2018-07-09 21:34:40

Local clock offset: -0.655 ms

Remote clock offset: 9.053 ms

# Below is generated by plot.py at 2018-07-09 23:30:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.24 Mbit/s

95th percentile per-packet one-way delay: 112.286 ms

Loss rate: 2.64%

-- Flow 1:

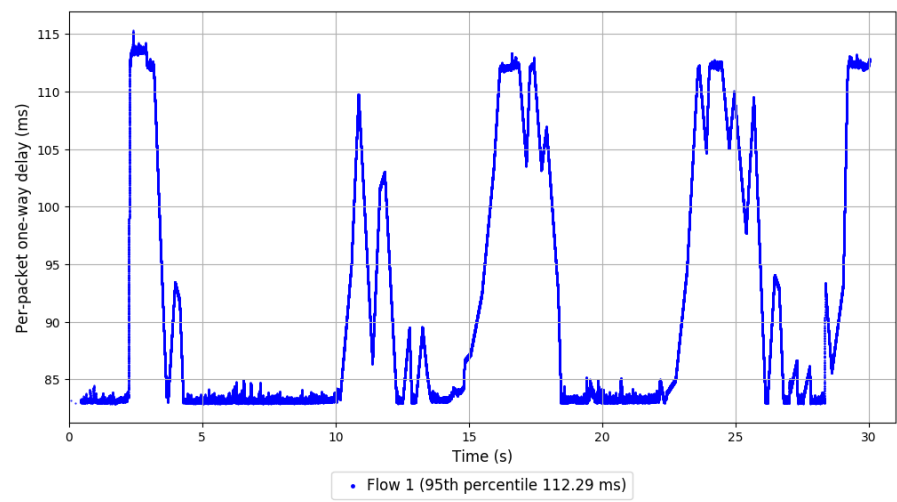
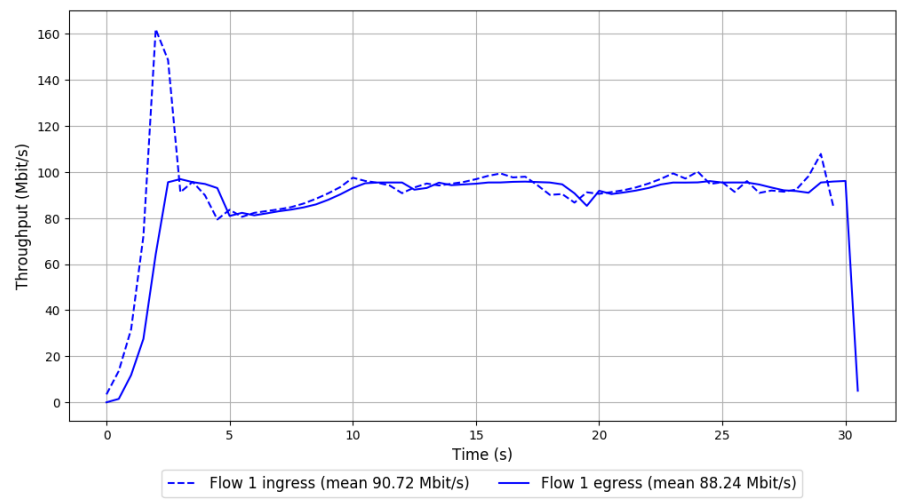
Average throughput: 88.24 Mbit/s

95th percentile per-packet one-way delay: 112.286 ms

Loss rate: 2.64%



Run 5: Report of PCC-Expr — Data Link

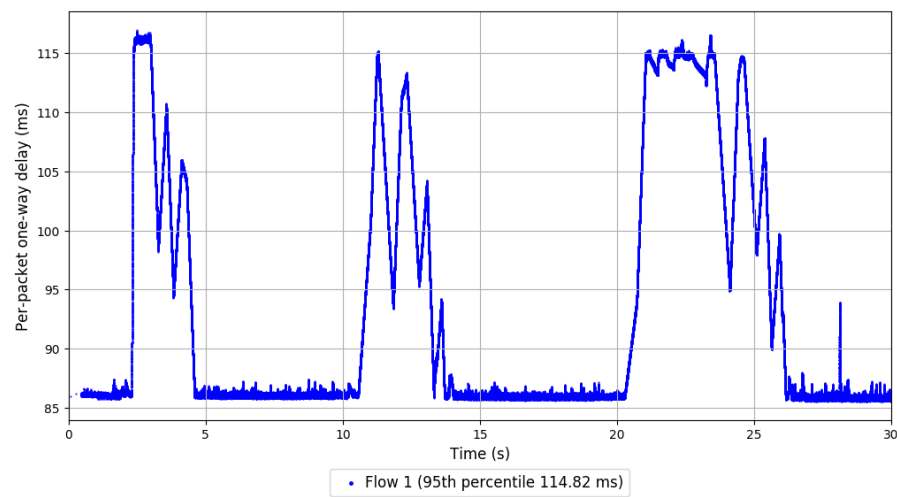
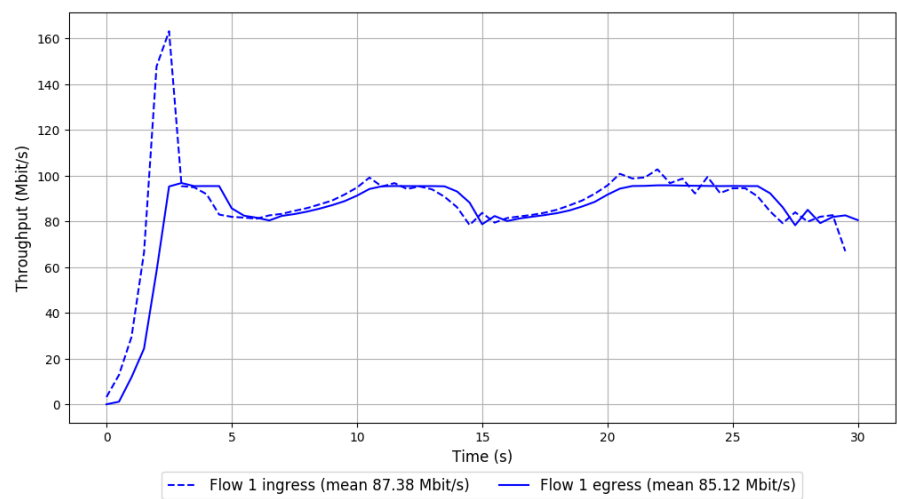


Run 6: Statistics of PCC-Expr

Start at: 2018-07-09 21:54:02  
End at: 2018-07-09 21:54:33  
Local clock offset: -0.791 ms  
Remote clock offset: 22.468 ms

# Below is generated by plot.py at 2018-07-09 23:30:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.12 Mbit/s  
95th percentile per-packet one-way delay: 114.816 ms  
Loss rate: 2.60%  
-- Flow 1:  
Average throughput: 85.12 Mbit/s  
95th percentile per-packet one-way delay: 114.816 ms  
Loss rate: 2.60%

Run 6: Report of PCC-Expr — Data Link

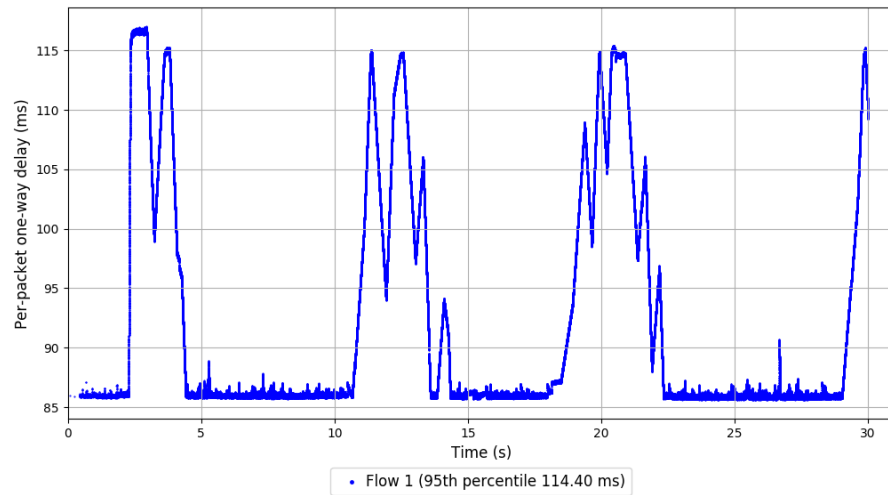
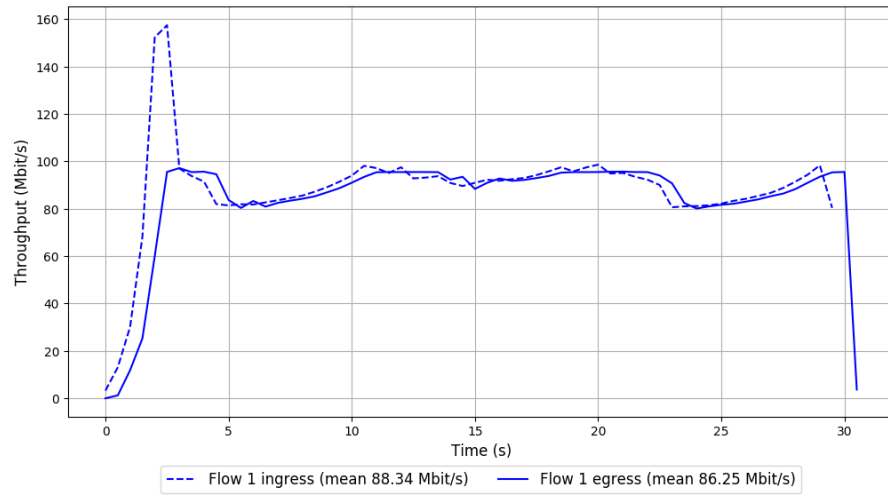


Run 7: Statistics of PCC-Expr

Start at: 2018-07-09 22:13:58  
End at: 2018-07-09 22:14:28  
Local clock offset: -0.834 ms  
Remote clock offset: 35.146 ms

# Below is generated by plot.py at 2018-07-09 23:31:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.25 Mbit/s  
95th percentile per-packet one-way delay: 114.397 ms  
Loss rate: 2.29%  
-- Flow 1:  
Average throughput: 86.25 Mbit/s  
95th percentile per-packet one-way delay: 114.397 ms  
Loss rate: 2.29%

## Run 7: Report of PCC-Expr — Data Link

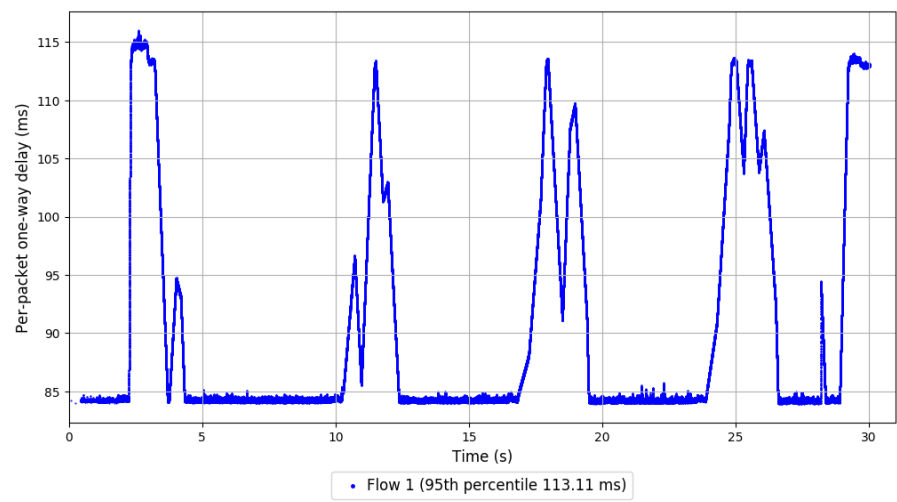
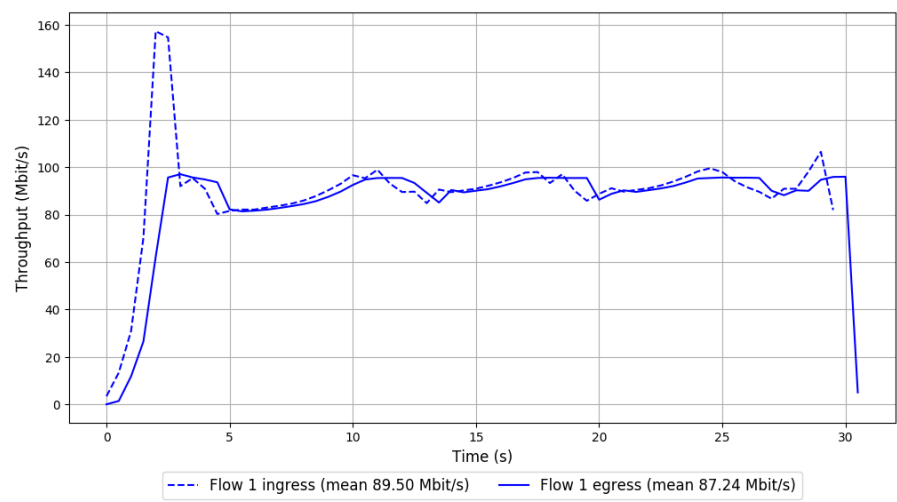


Run 8: Statistics of PCC-Expr

Start at: 2018-07-09 22:33:53  
End at: 2018-07-09 22:34:23  
Local clock offset: -0.842 ms  
Remote clock offset: 41.379 ms

# Below is generated by plot.py at 2018-07-09 23:31:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.24 Mbit/s  
95th percentile per-packet one-way delay: 113.113 ms  
Loss rate: 2.44%  
-- Flow 1:  
Average throughput: 87.24 Mbit/s  
95th percentile per-packet one-way delay: 113.113 ms  
Loss rate: 2.44%

Run 8: Report of PCC-Expr — Data Link



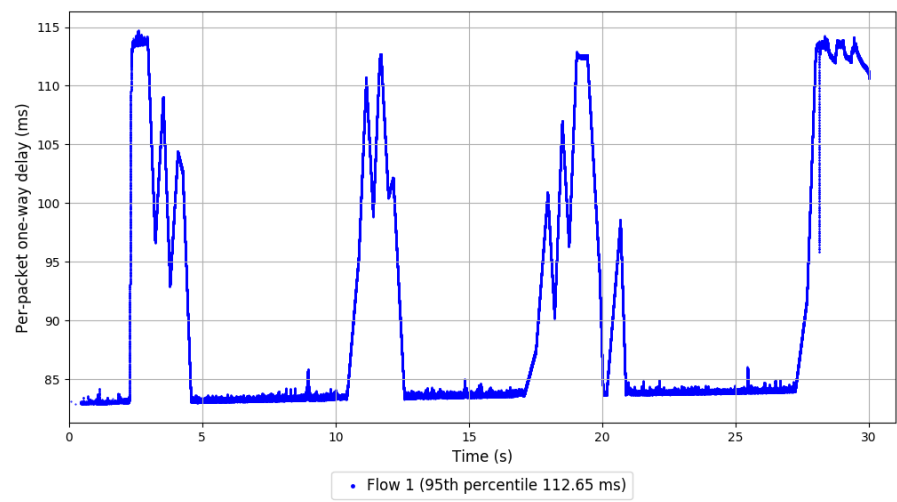
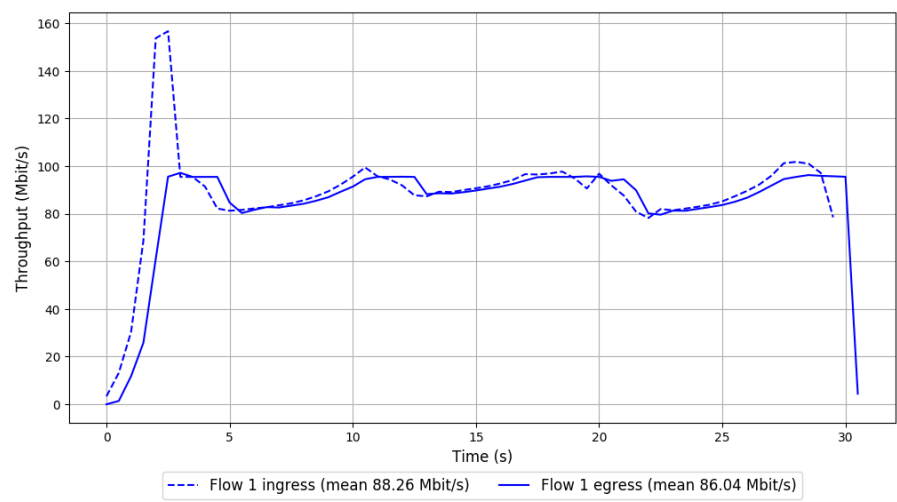
Run 9: Statistics of PCC-Expr

Start at: 2018-07-09 22:53:43  
End at: 2018-07-09 22:54:13  
Local clock offset: -0.942 ms  
Remote clock offset: 26.593 ms

# Below is generated by plot.py at 2018-07-09 23:32:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.04 Mbit/s  
95th percentile per-packet one-way delay: 112.654 ms  
Loss rate: 2.43%  
-- Flow 1:  
Average throughput: 86.04 Mbit/s  
95th percentile per-packet one-way delay: 112.654 ms  
Loss rate: 2.43%



Run 9: Report of PCC-Expr — Data Link



Run 10: Statistics of PCC-Expr

Start at: 2018-07-09 23:13:32

End at: 2018-07-09 23:14:02

Local clock offset: -0.846 ms

Remote clock offset: 8.539 ms

# Below is generated by plot.py at 2018-07-09 23:33:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.16 Mbit/s

95th percentile per-packet one-way delay: 115.125 ms

Loss rate: 2.17%

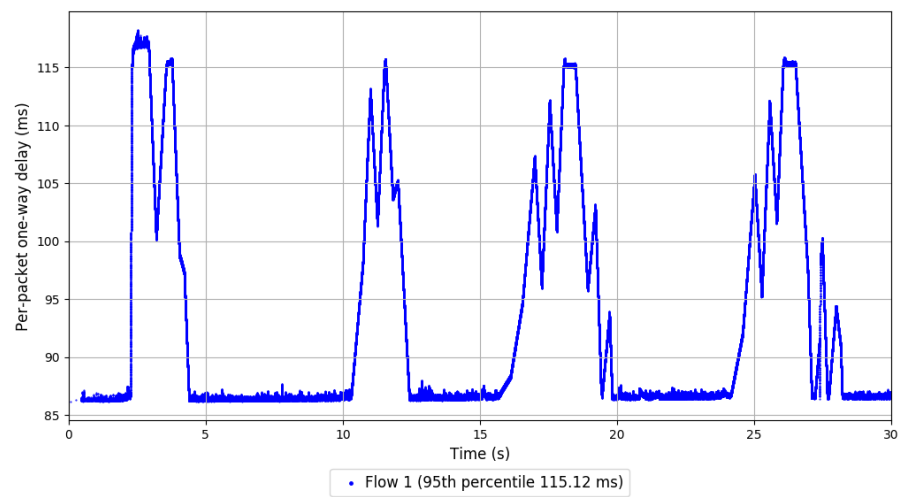
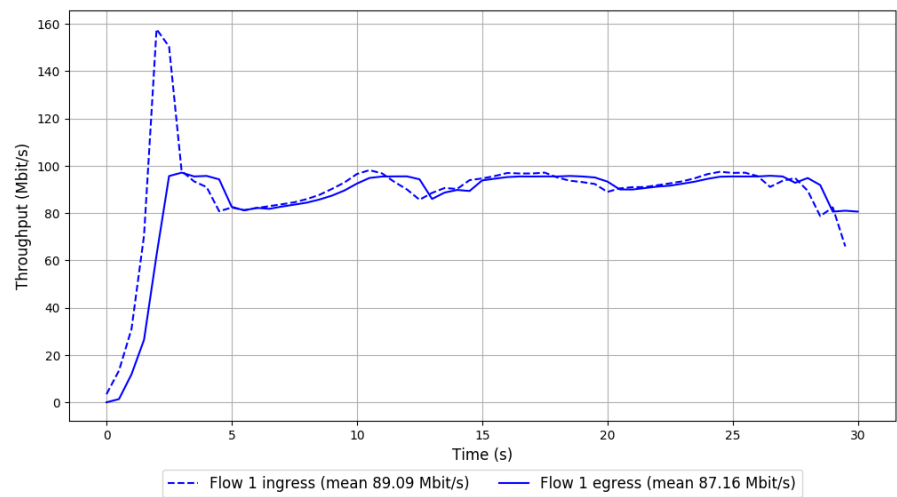
-- Flow 1:

Average throughput: 87.16 Mbit/s

95th percentile per-packet one-way delay: 115.125 ms

Loss rate: 2.17%

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-07-09 20:06:24

End at: 2018-07-09 20:06:54

Local clock offset: -0.494 ms

Remote clock offset: 7.985 ms

# Below is generated by plot.py at 2018-07-09 23:33:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.19 Mbit/s

95th percentile per-packet one-way delay: 109.976 ms

Loss rate: 0.45%

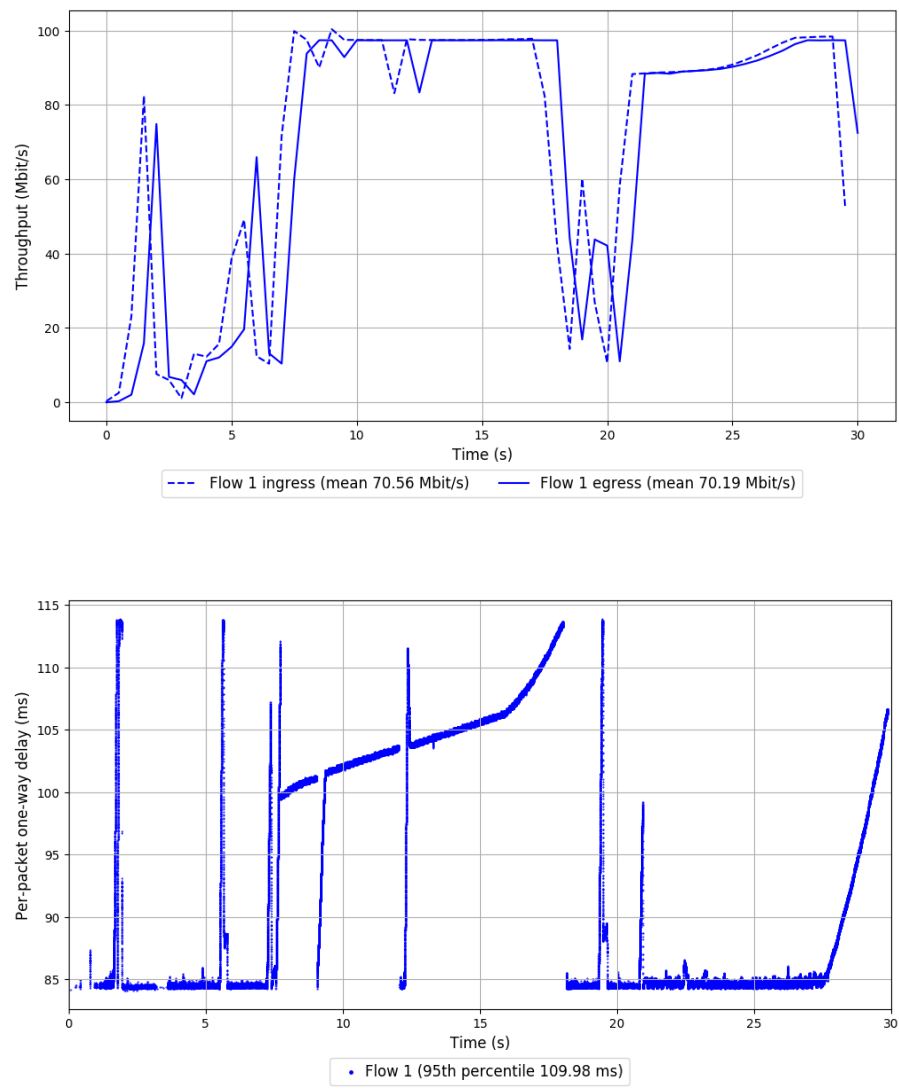
-- Flow 1:

Average throughput: 70.19 Mbit/s

95th percentile per-packet one-way delay: 109.976 ms

Loss rate: 0.45%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-07-09 20:26:18

End at: 2018-07-09 20:26:48

Local clock offset: -0.498 ms

Remote clock offset: 2.923 ms

# Below is generated by plot.py at 2018-07-09 23:33:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.09 Mbit/s

95th percentile per-packet one-way delay: 107.925 ms

Loss rate: 0.38%

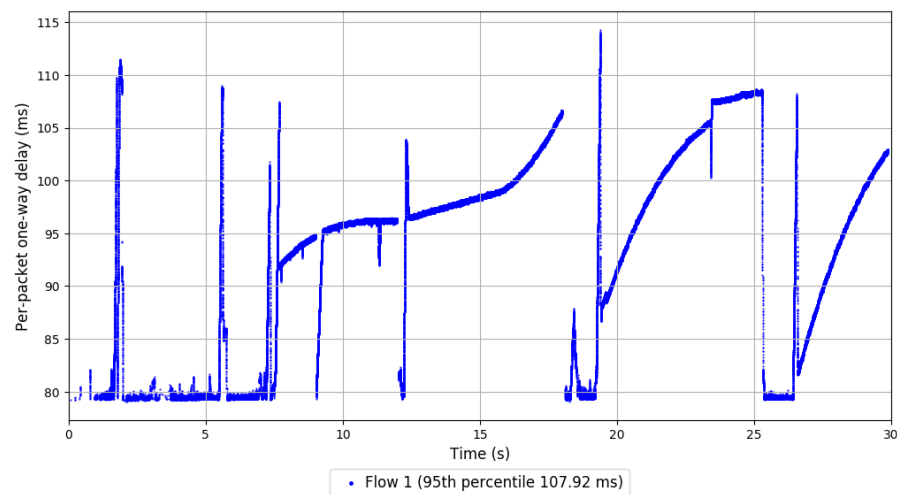
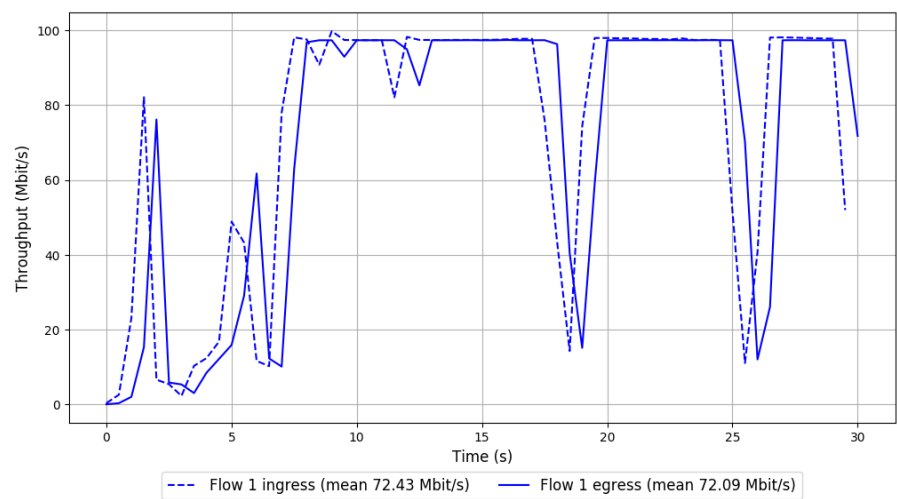
-- Flow 1:

Average throughput: 72.09 Mbit/s

95th percentile per-packet one-way delay: 107.925 ms

Loss rate: 0.38%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-07-09 20:46:13

End at: 2018-07-09 20:46:43

Local clock offset: -0.593 ms

Remote clock offset: 7.934 ms

# Below is generated by plot.py at 2018-07-09 23:33:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 35.53 Mbit/s

95th percentile per-packet one-way delay: 91.912 ms

Loss rate: 0.84%

-- Flow 1:

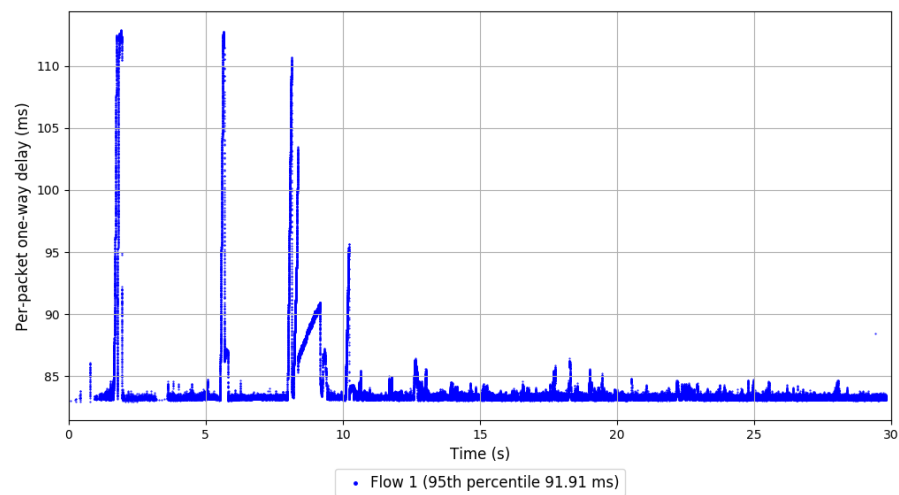
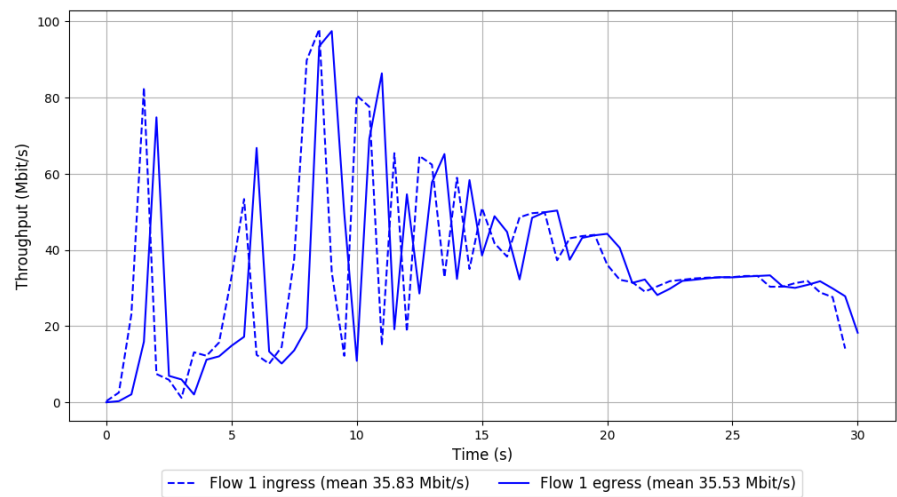
Average throughput: 35.53 Mbit/s

95th percentile per-packet one-way delay: 91.912 ms

Loss rate: 0.84%



Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-07-09 21:06:05

End at: 2018-07-09 21:06:35

Local clock offset: -0.672 ms

Remote clock offset: 4.469 ms

# Below is generated by plot.py at 2018-07-09 23:33:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.48 Mbit/s

95th percentile per-packet one-way delay: 102.095 ms

Loss rate: 0.37%

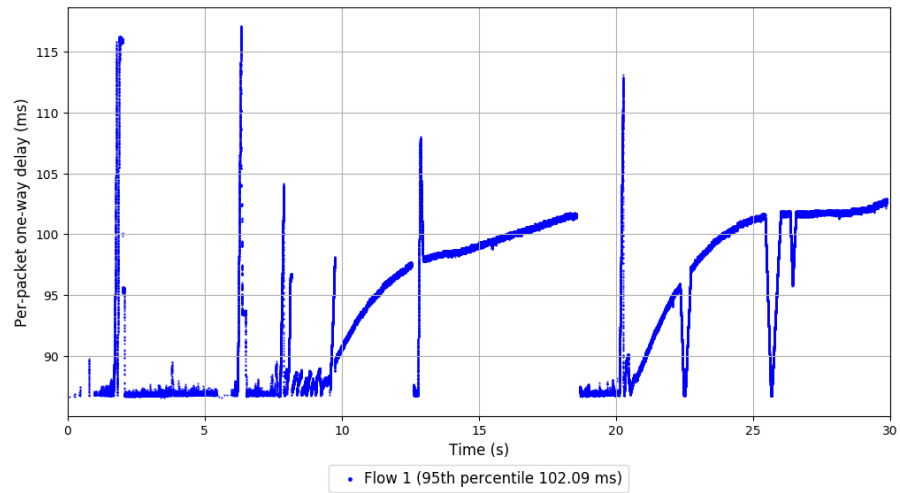
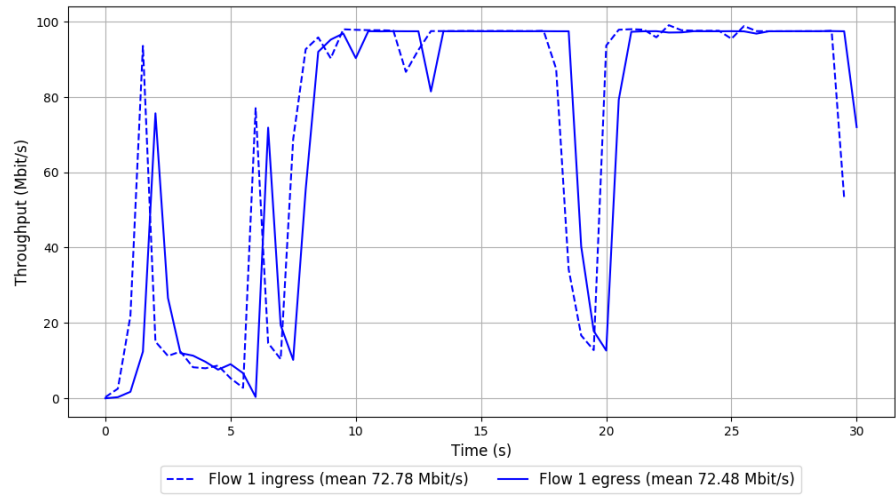
-- Flow 1:

Average throughput: 72.48 Mbit/s

95th percentile per-packet one-way delay: 102.095 ms

Loss rate: 0.37%

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

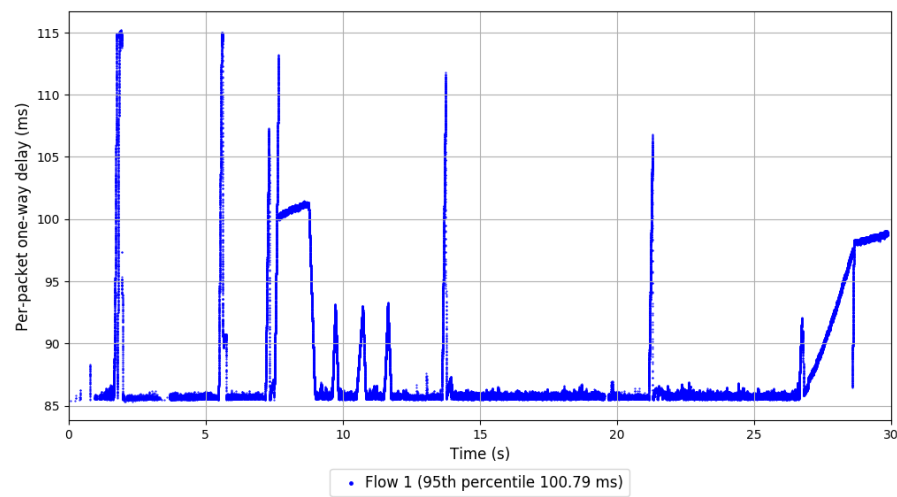
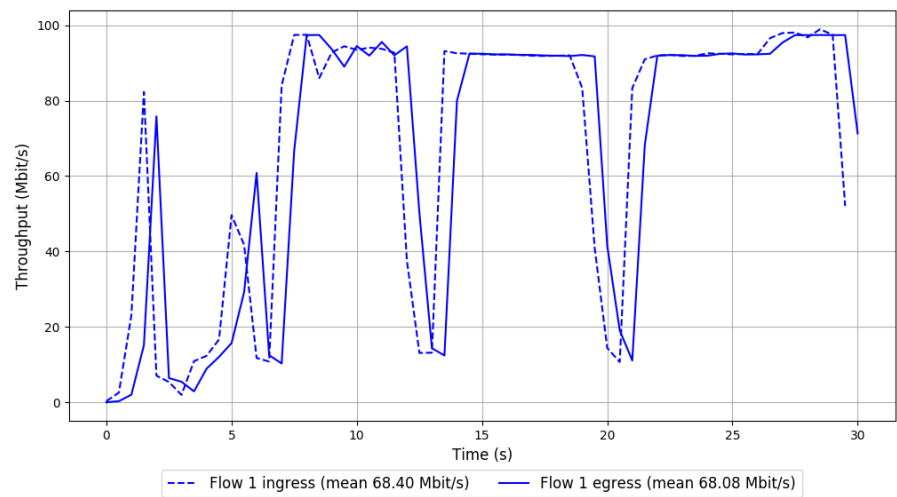


Run 5: Statistics of QUIC Cubic

Start at: 2018-07-09 21:25:57  
End at: 2018-07-09 21:26:27  
Local clock offset: -0.651 ms  
Remote clock offset: 10.109 ms

# Below is generated by plot.py at 2018-07-09 23:33:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.08 Mbit/s  
95th percentile per-packet one-way delay: 100.790 ms  
Loss rate: 0.41%  
-- Flow 1:  
Average throughput: 68.08 Mbit/s  
95th percentile per-packet one-way delay: 100.790 ms  
Loss rate: 0.41%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-07-09 21:45:54

End at: 2018-07-09 21:46:24

Local clock offset: -0.679 ms

Remote clock offset: 14.205 ms

# Below is generated by plot.py at 2018-07-09 23:33:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 29.91 Mbit/s

95th percentile per-packet one-way delay: 85.941 ms

Loss rate: 0.99%

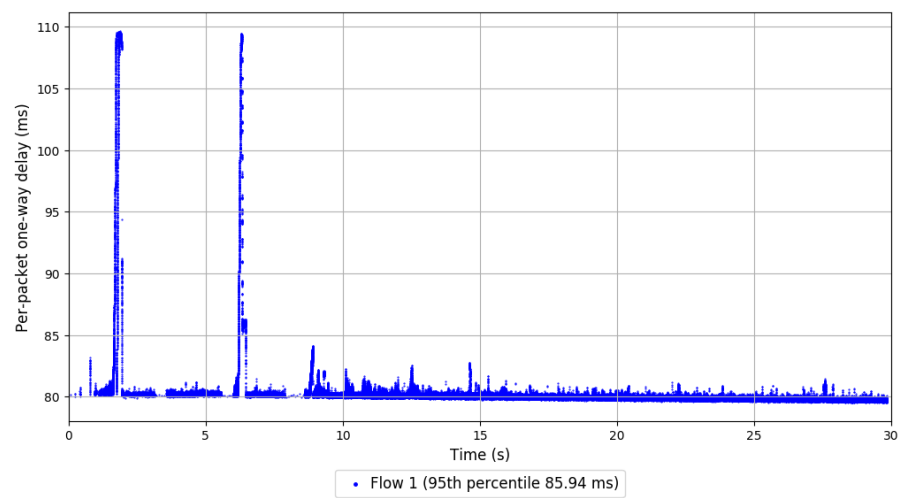
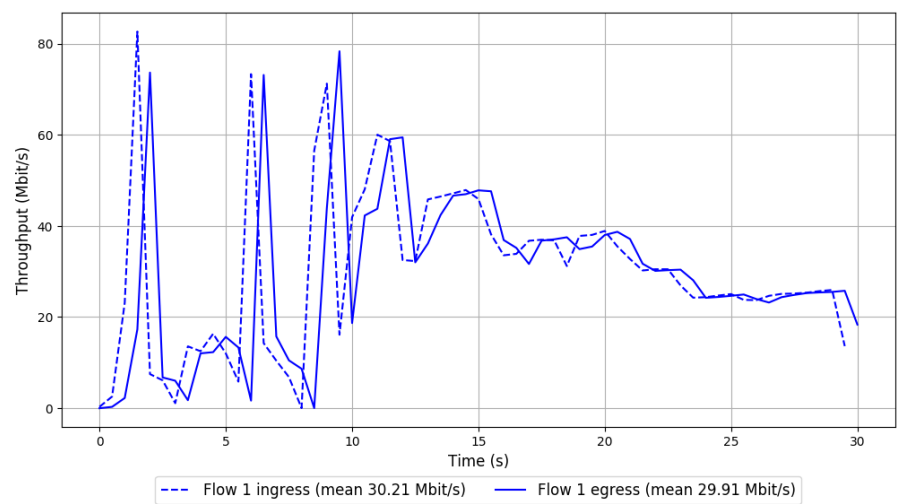
-- Flow 1:

Average throughput: 29.91 Mbit/s

95th percentile per-packet one-way delay: 85.941 ms

Loss rate: 0.99%

Run 6: Report of QUIC Cubic — Data Link



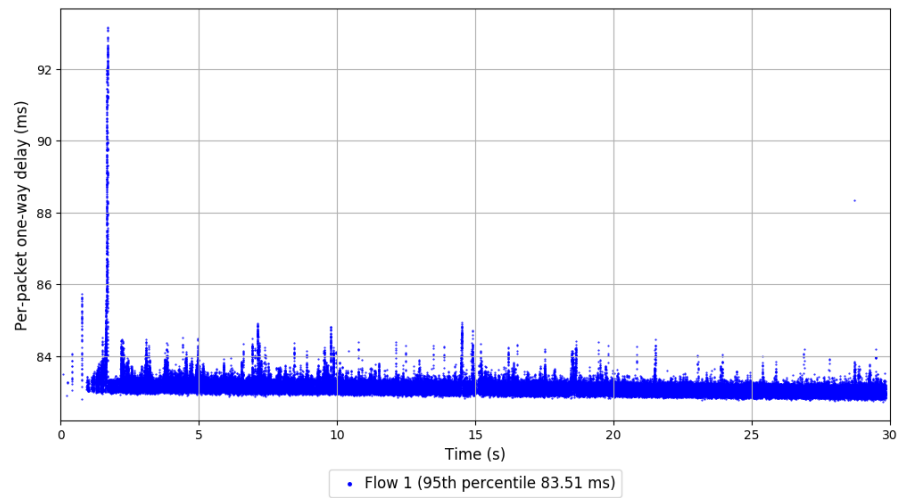
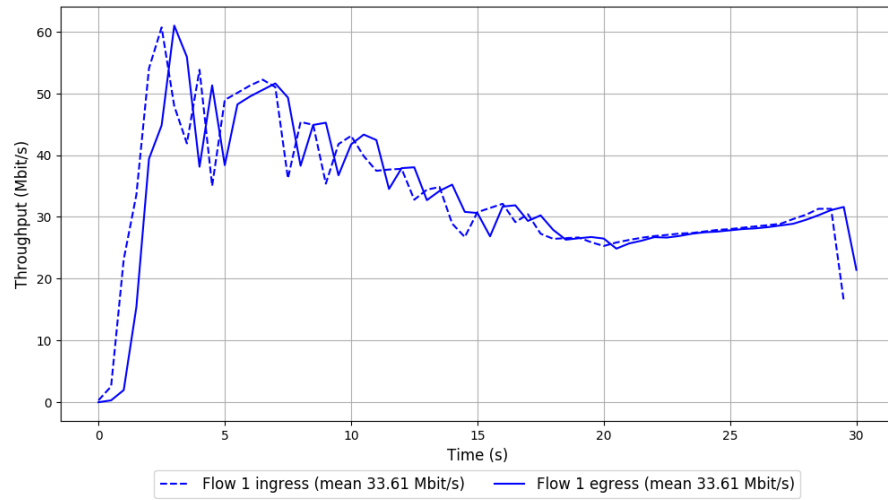
Run 7: Statistics of QUIC Cubic

Start at: 2018-07-09 22:05:49  
End at: 2018-07-09 22:06:19  
Local clock offset: -0.745 ms  
Remote clock offset: 31.177 ms

# Below is generated by plot.py at 2018-07-09 23:33:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 33.61 Mbit/s  
95th percentile per-packet one-way delay: 83.512 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 33.61 Mbit/s  
95th percentile per-packet one-way delay: 83.512 ms  
Loss rate: 0.02%



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



Run 8: Statistics of QUIC Cubic

Start at: 2018-07-09 22:25:42

End at: 2018-07-09 22:26:12

Local clock offset: -0.868 ms

Remote clock offset: 33.997 ms

# Below is generated by plot.py at 2018-07-09 23:33:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.18 Mbit/s

95th percentile per-packet one-way delay: 100.359 ms

Loss rate: 0.37%

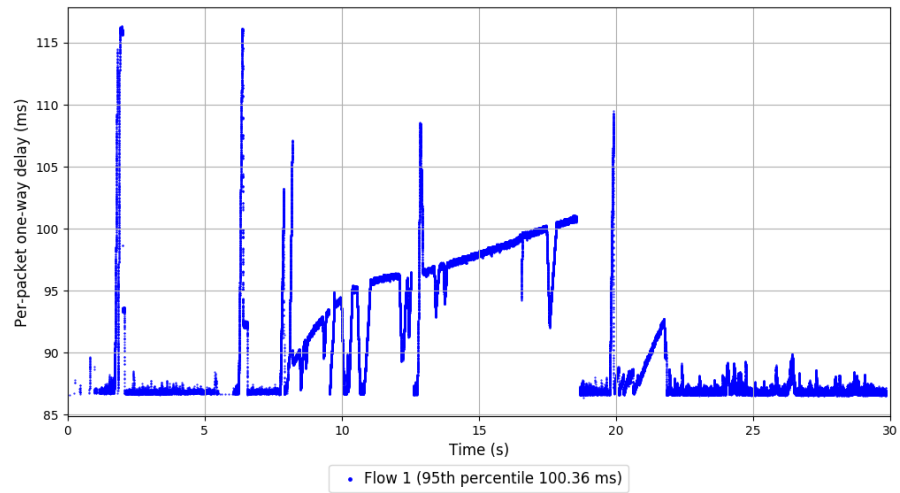
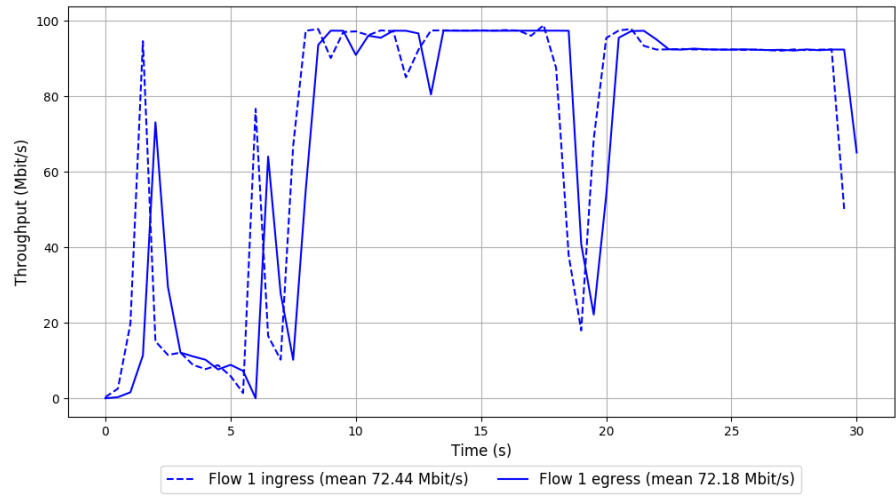
-- Flow 1:

Average throughput: 72.18 Mbit/s

95th percentile per-packet one-way delay: 100.359 ms

Loss rate: 0.37%

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



Run 9: Statistics of QUIC Cubic

Start at: 2018-07-09 22:45:32

End at: 2018-07-09 22:46:02

Local clock offset: -0.95 ms

Remote clock offset: 40.037 ms

# Below is generated by plot.py at 2018-07-09 23:33:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.90 Mbit/s

95th percentile per-packet one-way delay: 104.798 ms

Loss rate: 0.45%

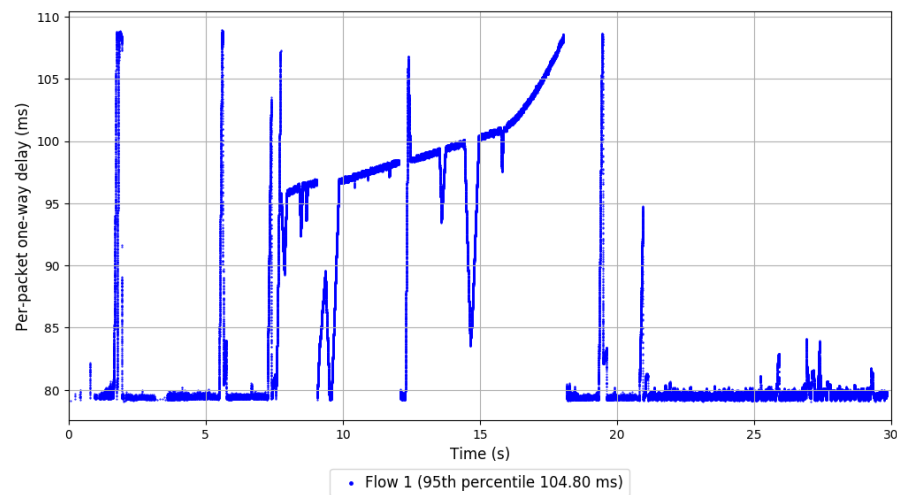
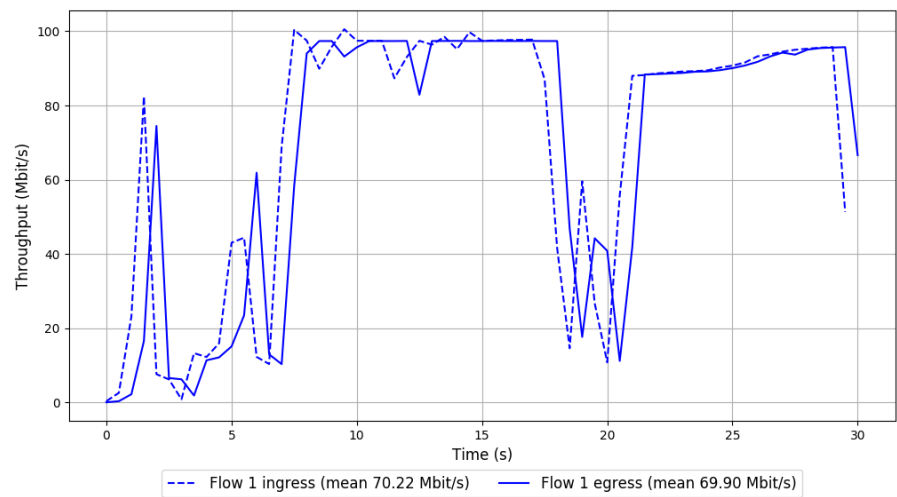
-- Flow 1:

Average throughput: 69.90 Mbit/s

95th percentile per-packet one-way delay: 104.798 ms

Loss rate: 0.45%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-07-09 23:05:22

End at: 2018-07-09 23:05:52

Local clock offset: -0.879 ms

Remote clock offset: 9.895 ms

# Below is generated by plot.py at 2018-07-09 23:33:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 68.22 Mbit/s

95th percentile per-packet one-way delay: 106.971 ms

Loss rate: 0.40%

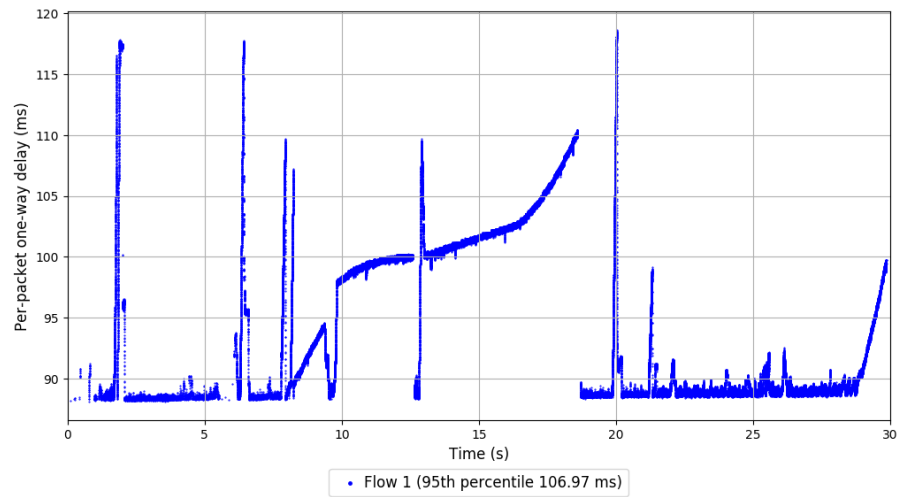
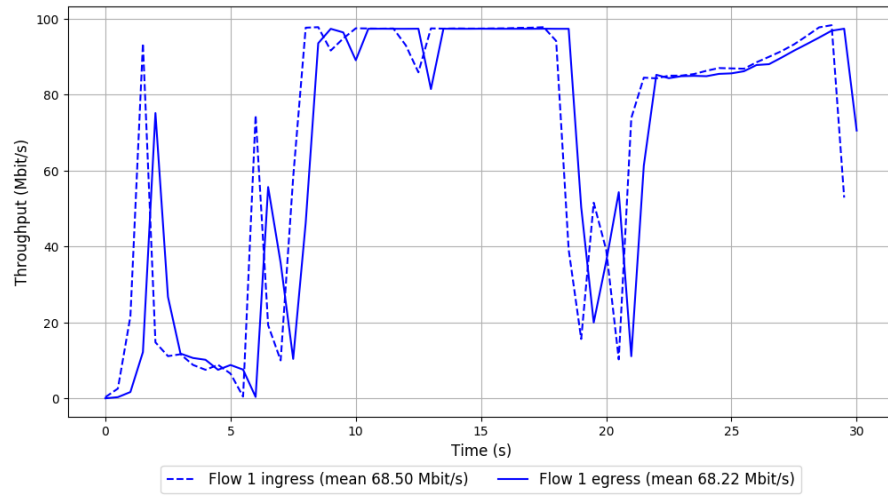
-- Flow 1:

Average throughput: 68.22 Mbit/s

95th percentile per-packet one-way delay: 106.971 ms

Loss rate: 0.40%

# Run 10: Report of QUIC Cubic — Data Link



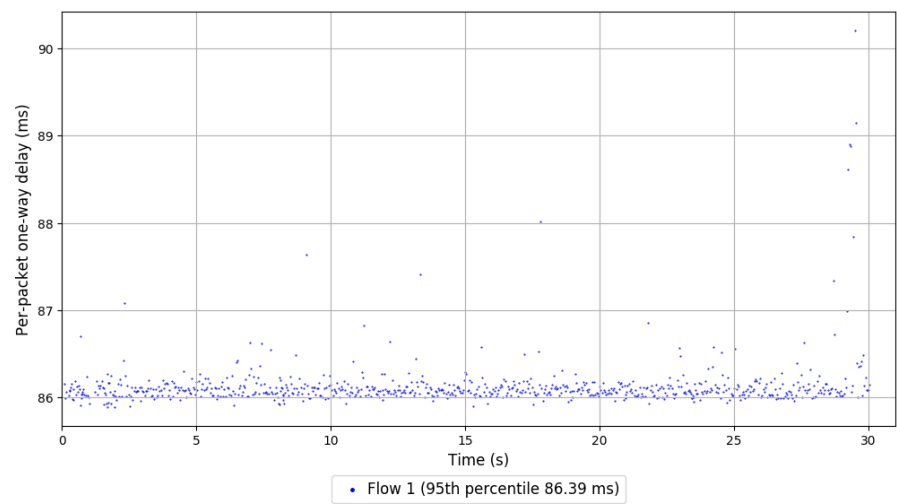
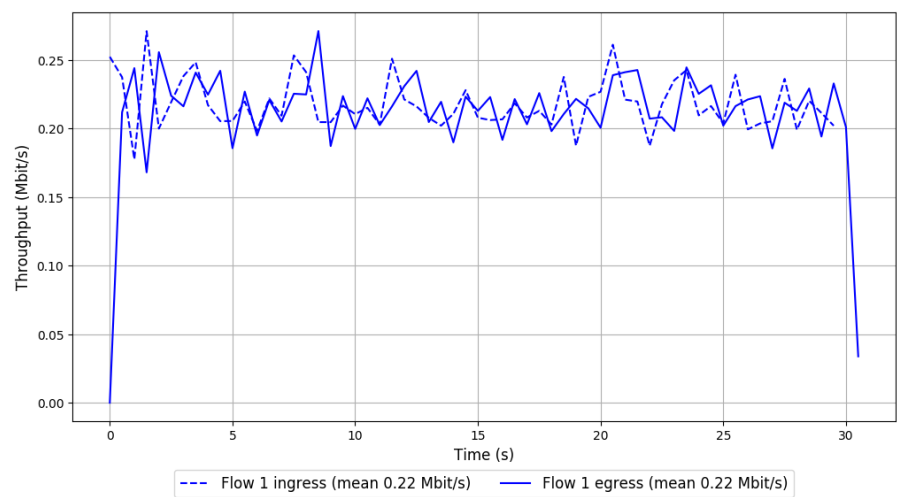
```
Run 1: Statistics of SCReAM

Start at: 2018-07-09 20:15:49
End at: 2018-07-09 20:16:19
Local clock offset: -0.476 ms
Remote clock offset: 3.933 ms

# Below is generated by plot.py at 2018-07-09 23:33:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.395 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.395 ms
Loss rate: 0.00%
```



Run 1: Report of SReAM — Data Link

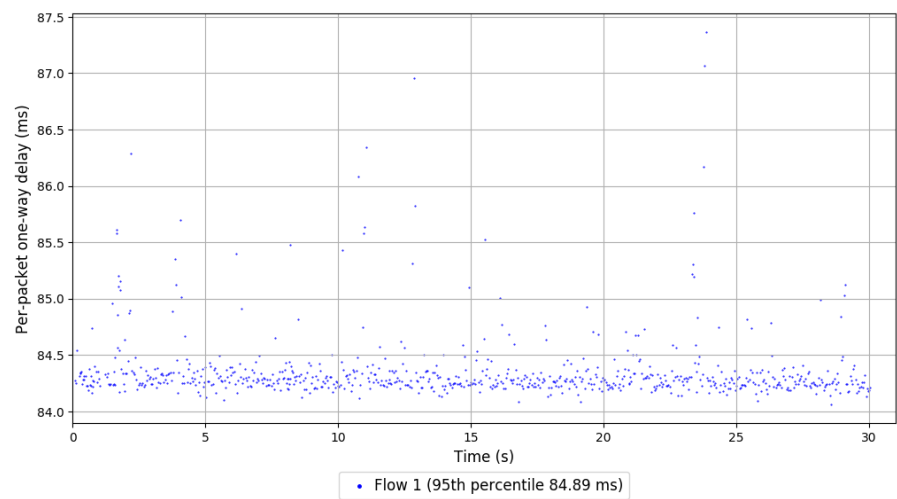
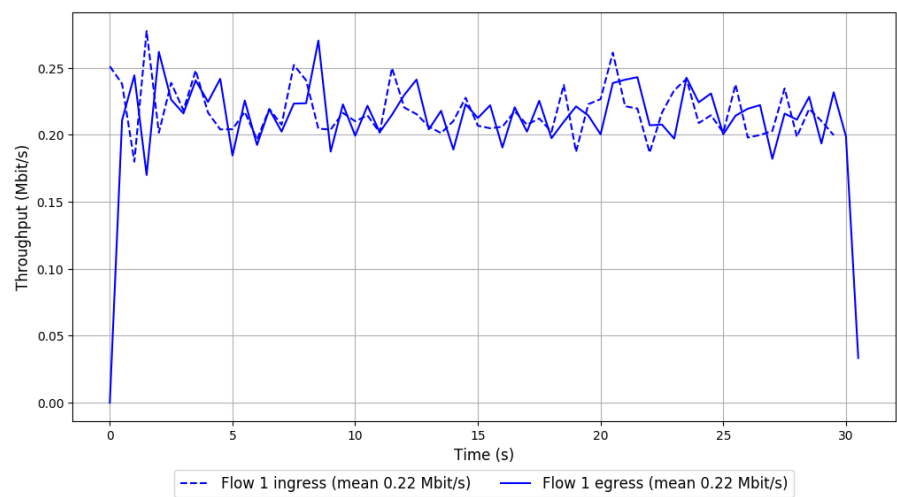


```
Run 2: Statistics of SCReAM

Start at: 2018-07-09 20:35:45
End at: 2018-07-09 20:36:15
Local clock offset: -0.563 ms
Remote clock offset: 8.434 ms

# Below is generated by plot.py at 2018-07-09 23:33:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.885 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.885 ms
Loss rate: 0.00%
```

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-07-09 20:55:35

End at: 2018-07-09 20:56:06

Local clock offset: -0.608 ms

Remote clock offset: 10.4 ms

# Below is generated by plot.py at 2018-07-09 23:33:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.880 ms

Loss rate: 0.00%

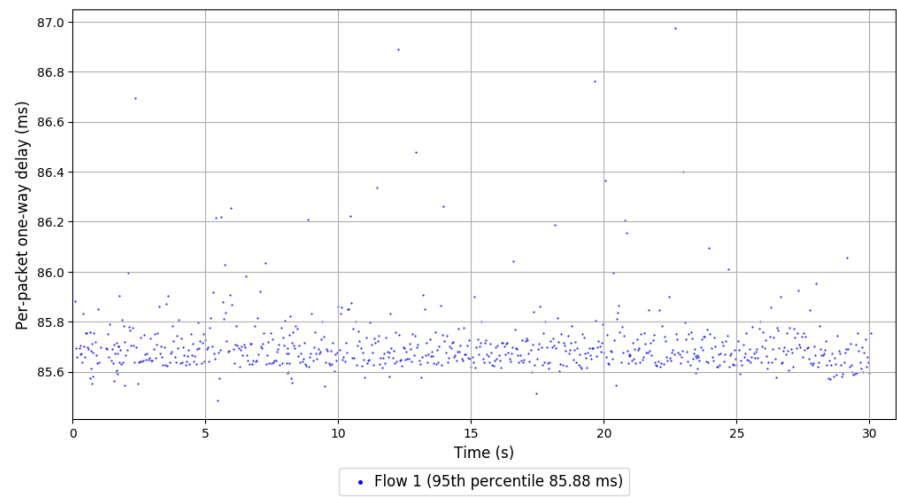
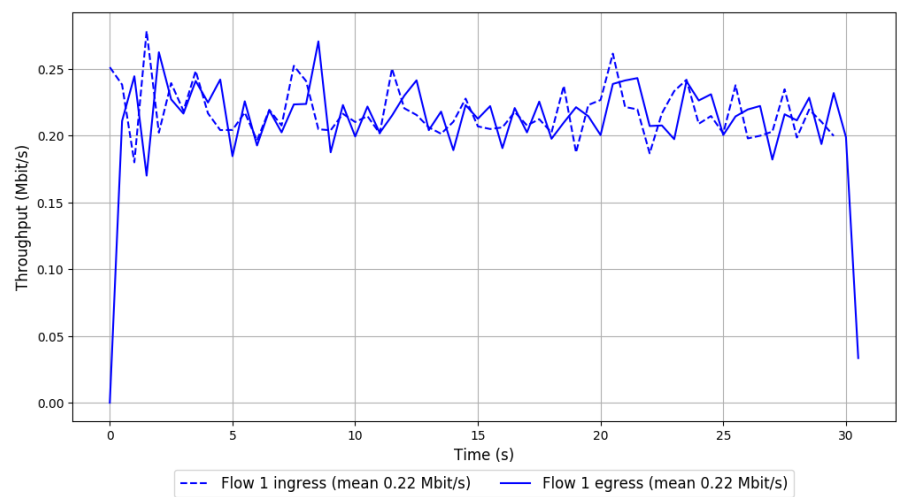
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.880 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-07-09 21:15:29

End at: 2018-07-09 21:15:59

Local clock offset: -0.672 ms

Remote clock offset: 9.705 ms

# Below is generated by plot.py at 2018-07-09 23:33:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.361 ms

Loss rate: 0.00%

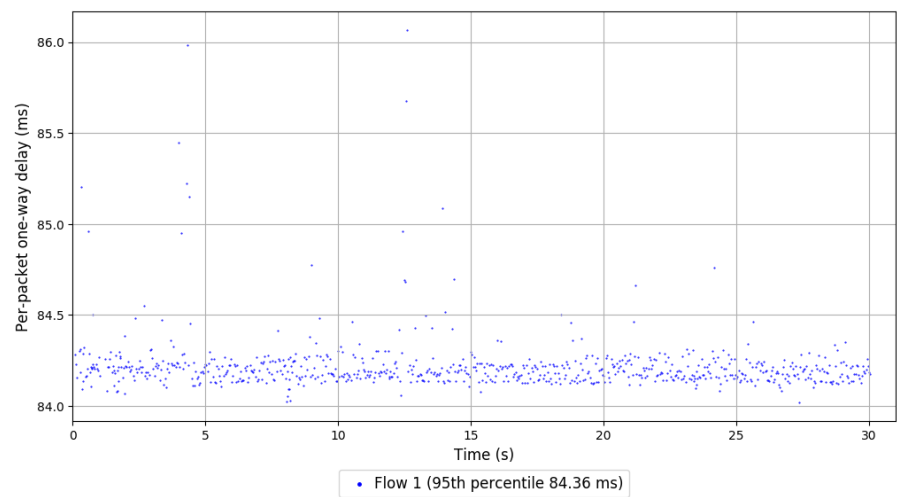
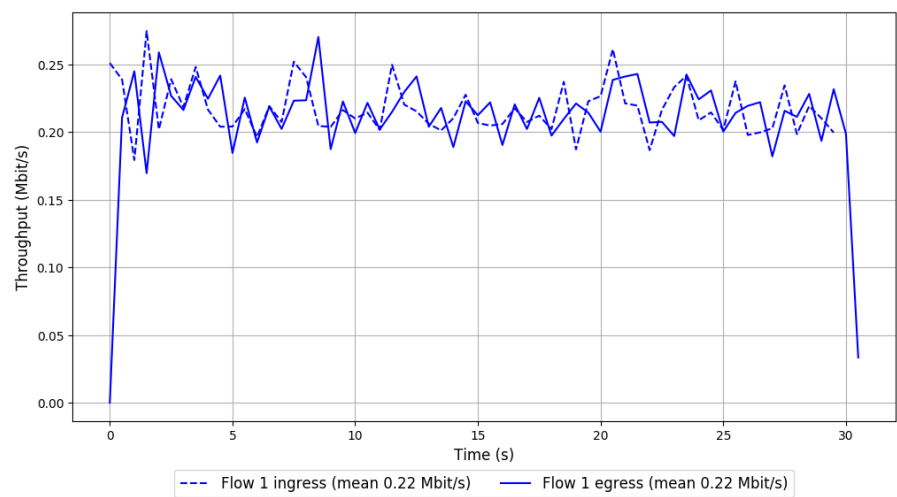
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.361 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



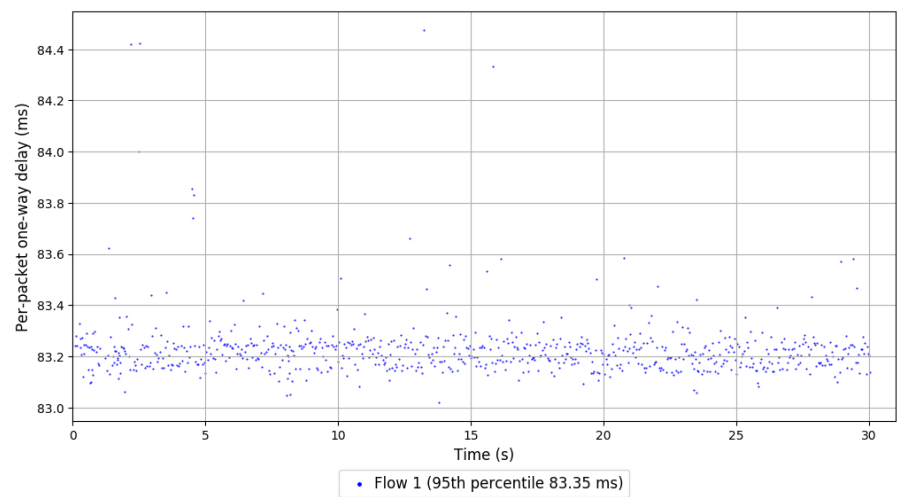
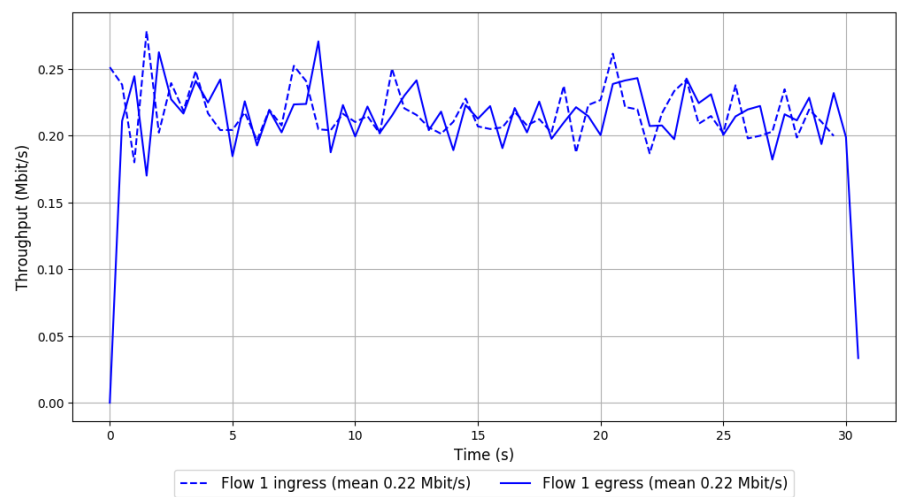
```
Run 5: Statistics of SCReAM

Start at: 2018-07-09 21:35:24
End at: 2018-07-09 21:35:54
Local clock offset: -0.659 ms
Remote clock offset: 9.21 ms

# Below is generated by plot.py at 2018-07-09 23:33:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.352 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 83.352 ms
Loss rate: 0.00%
```



Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-07-09 21:55:16

End at: 2018-07-09 21:55:46

Local clock offset: -0.719 ms

Remote clock offset: 27.38 ms

# Below is generated by plot.py at 2018-07-09 23:33:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 92.702 ms

Loss rate: 0.00%

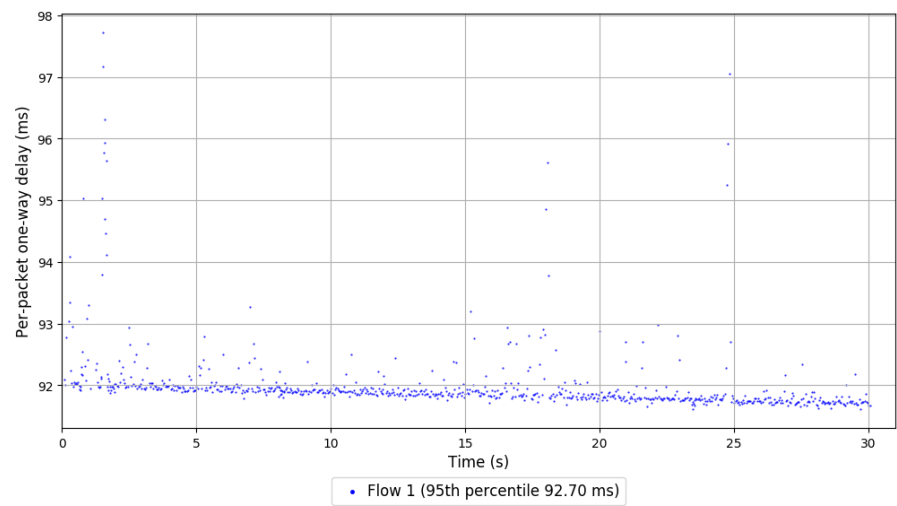
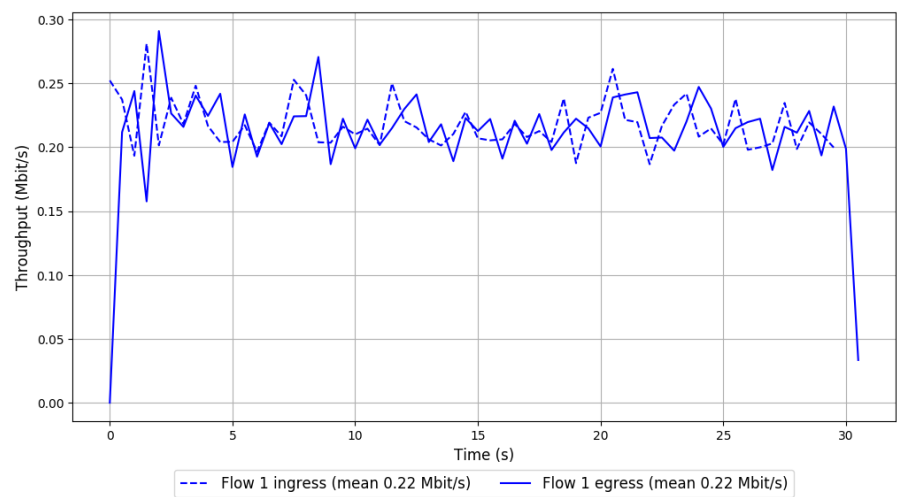
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 92.702 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2018-07-09 22:15:12

End at: 2018-07-09 22:15:42

Local clock offset: -0.77 ms

Remote clock offset: 35.73 ms

# Below is generated by plot.py at 2018-07-09 23:33:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.842 ms

Loss rate: 0.00%

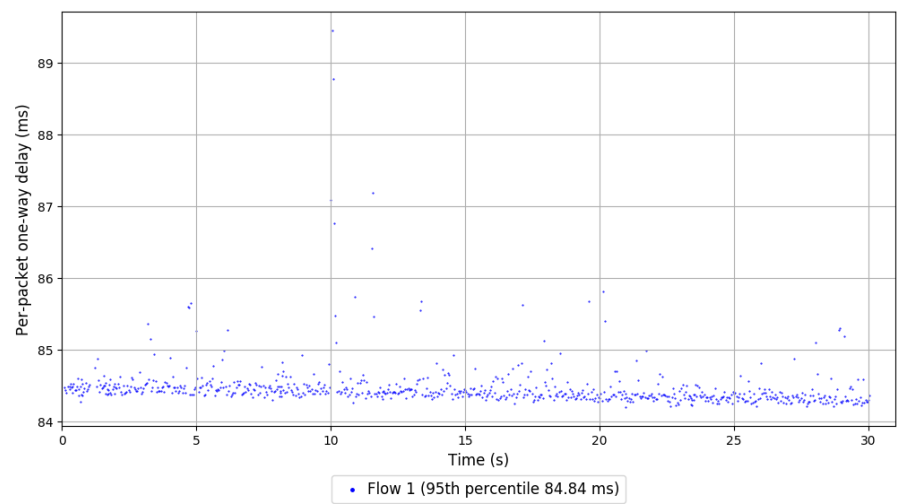
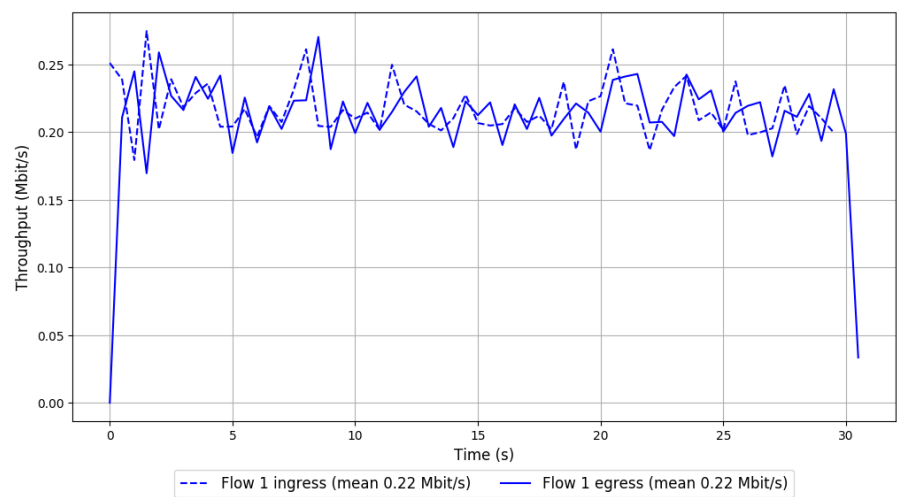
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 84.842 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-07-09 22:35:06

End at: 2018-07-09 22:35:36

Local clock offset: -0.851 ms

Remote clock offset: 41.87 ms

# Below is generated by plot.py at 2018-07-09 23:33:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.211 ms

Loss rate: 0.00%

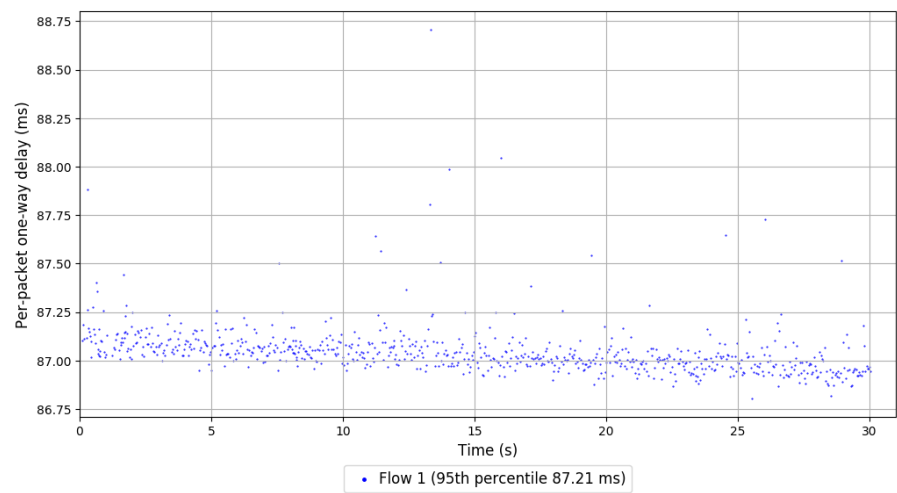
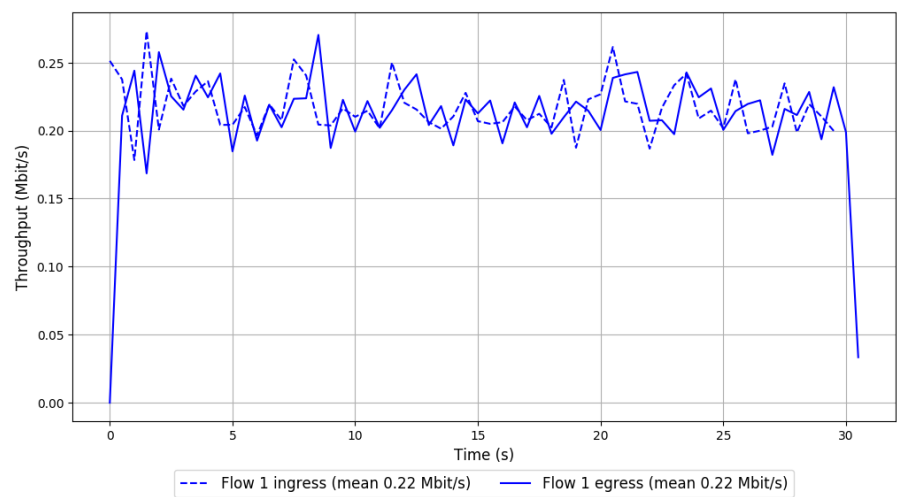
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 87.211 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



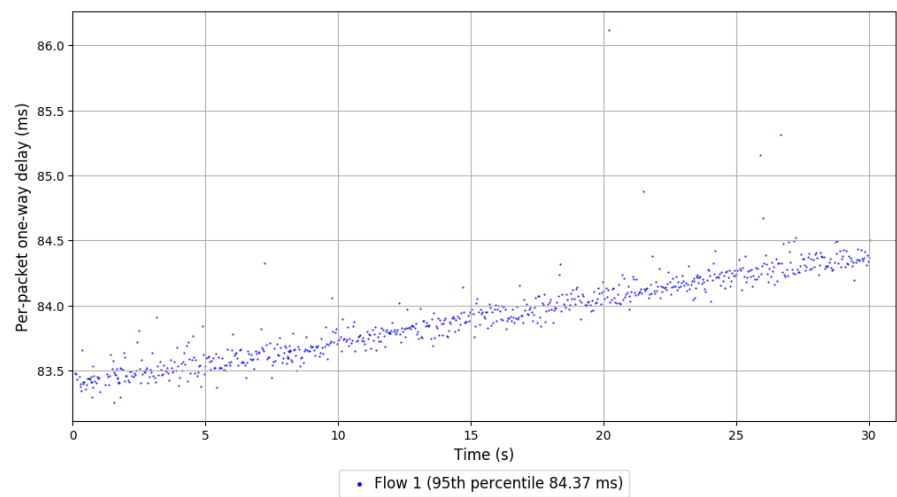
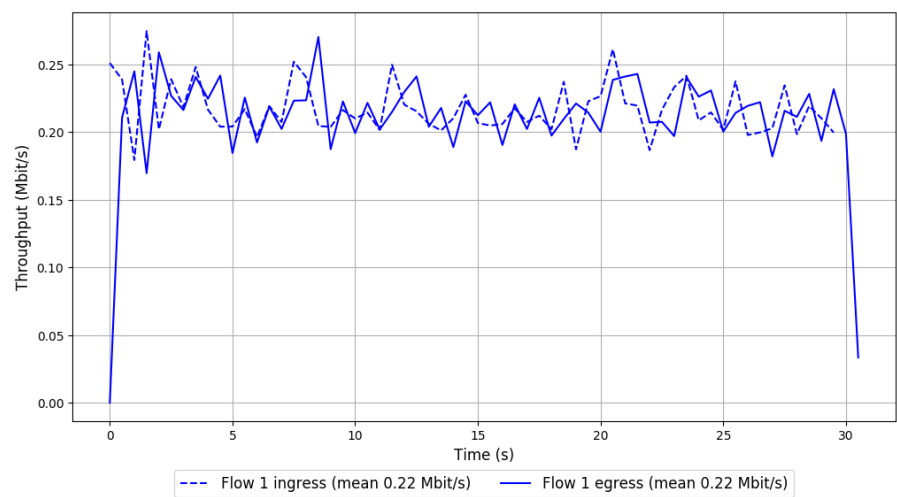
Run 9: Statistics of SCReAM

Start at: 2018-07-09 22:54:57  
End at: 2018-07-09 22:55:27  
Local clock offset: -0.861 ms  
Remote clock offset: 26.555 ms

# Below is generated by plot.py at 2018-07-09 23:33:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 84.367 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 84.367 ms  
Loss rate: 0.00%



Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2018-07-09 23:14:46

End at: 2018-07-09 23:15:16

Local clock offset: -0.846 ms

Remote clock offset: 7.94 ms

# Below is generated by plot.py at 2018-07-09 23:33:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.705 ms

Loss rate: 0.00%

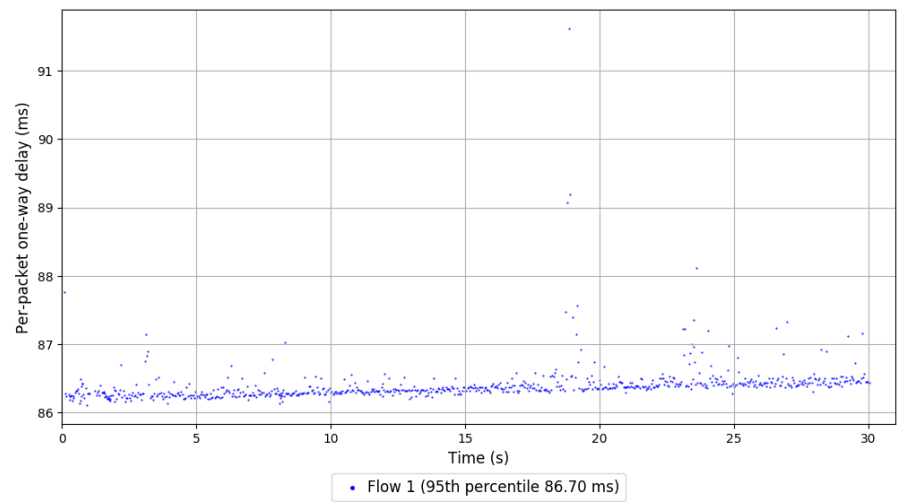
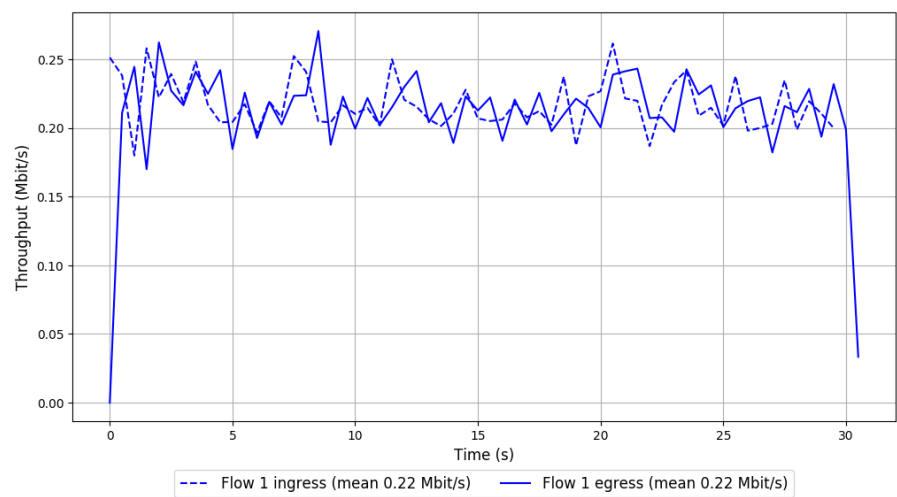
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 86.705 ms

Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-07-09 19:57:06

End at: 2018-07-09 19:57:36

Local clock offset: -0.538 ms

Remote clock offset: 2.837 ms

# Below is generated by plot.py at 2018-07-09 23:33:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 81.855 ms

Loss rate: 0.00%

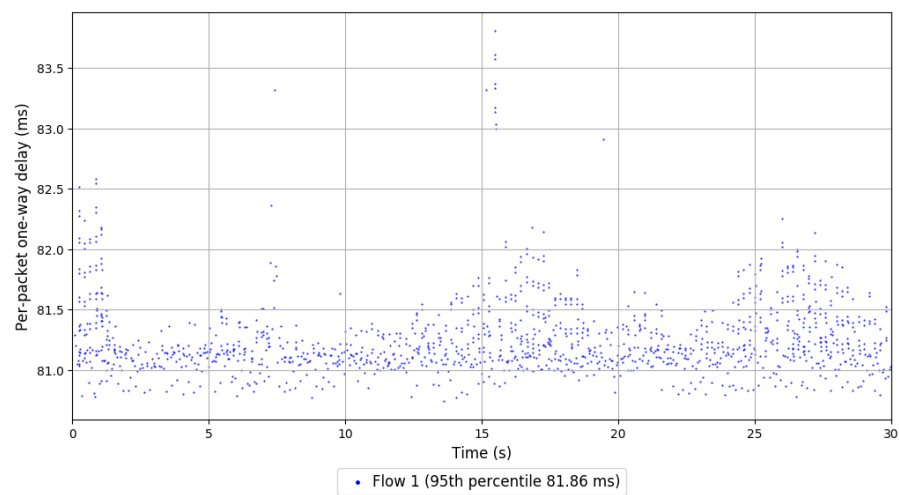
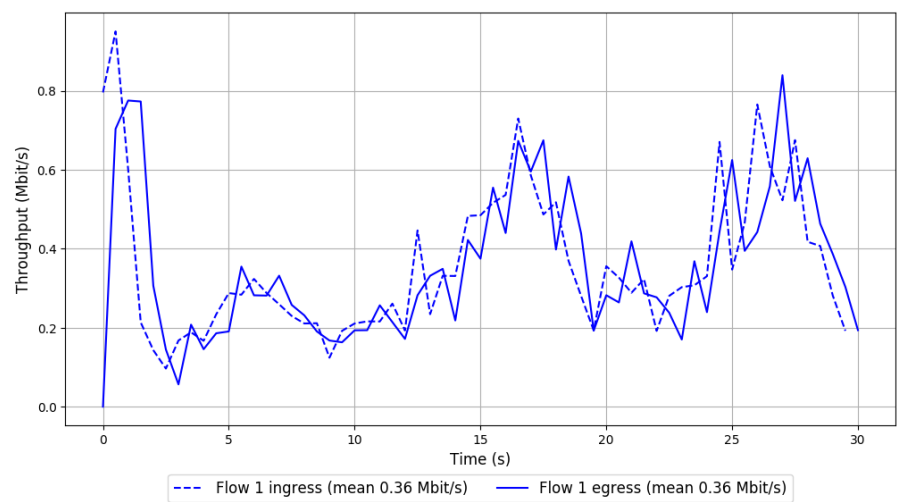
-- Flow 1:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 81.855 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link

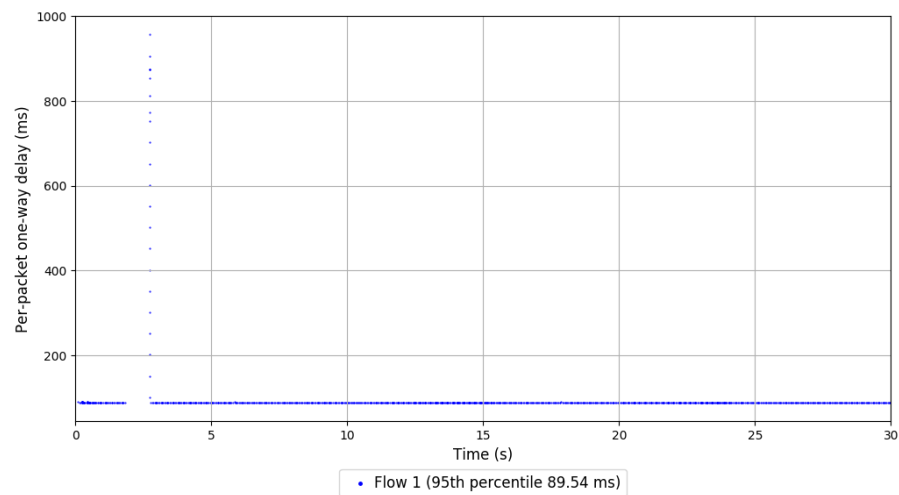
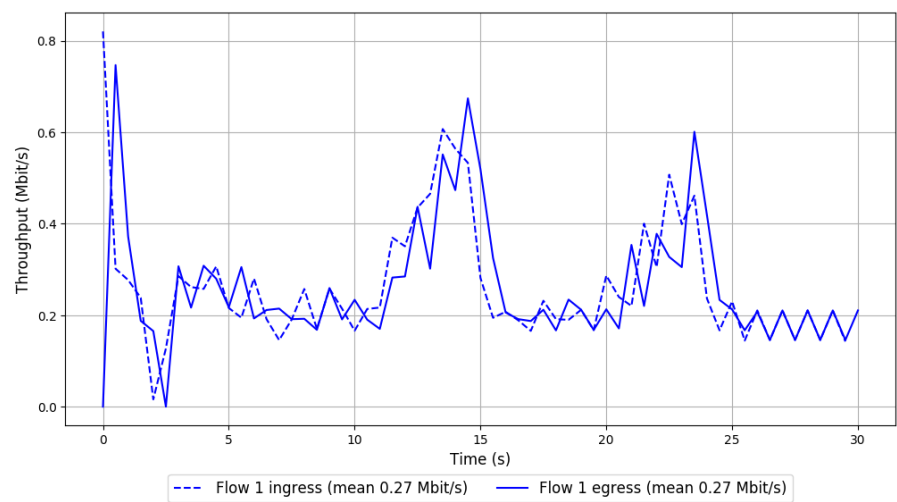


Run 2: Statistics of Sprout

Start at: 2018-07-09 20:16:56  
End at: 2018-07-09 20:17:26  
Local clock offset: -0.481 ms  
Remote clock offset: 6.829 ms

# Below is generated by plot.py at 2018-07-09 23:33:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.27 Mbit/s  
95th percentile per-packet one-way delay: 89.539 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.27 Mbit/s  
95th percentile per-packet one-way delay: 89.539 ms  
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



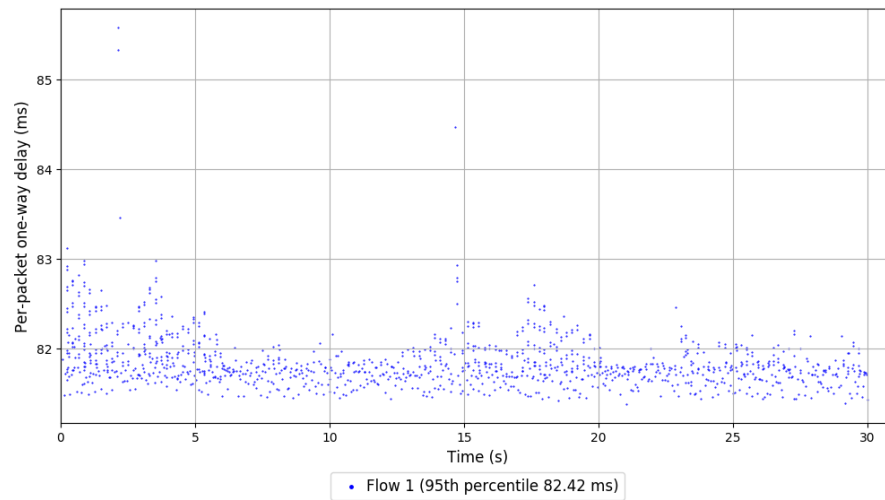
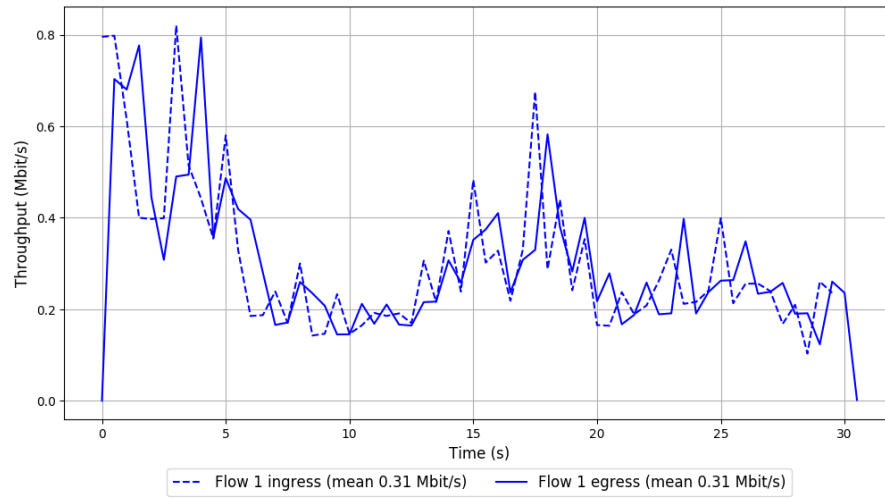
Run 3: Statistics of Sprout

Start at: 2018-07-09 20:36:52  
End at: 2018-07-09 20:37:22  
Local clock offset: -0.588 ms  
Remote clock offset: 3.596 ms

# Below is generated by plot.py at 2018-07-09 23:33:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.31 Mbit/s  
95th percentile per-packet one-way delay: 82.418 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.31 Mbit/s  
95th percentile per-packet one-way delay: 82.418 ms  
Loss rate: 0.00%



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



Run 4: Statistics of Sprout

Start at: 2018-07-09 20:56:42

End at: 2018-07-09 20:57:12

Local clock offset: -0.689 ms

Remote clock offset: 5.477 ms

# Below is generated by plot.py at 2018-07-09 23:33:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 81.212 ms

Loss rate: 0.00%

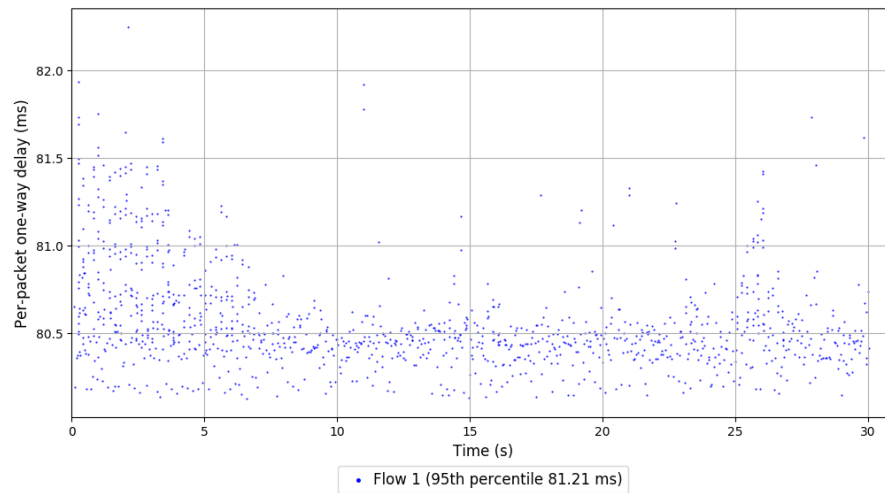
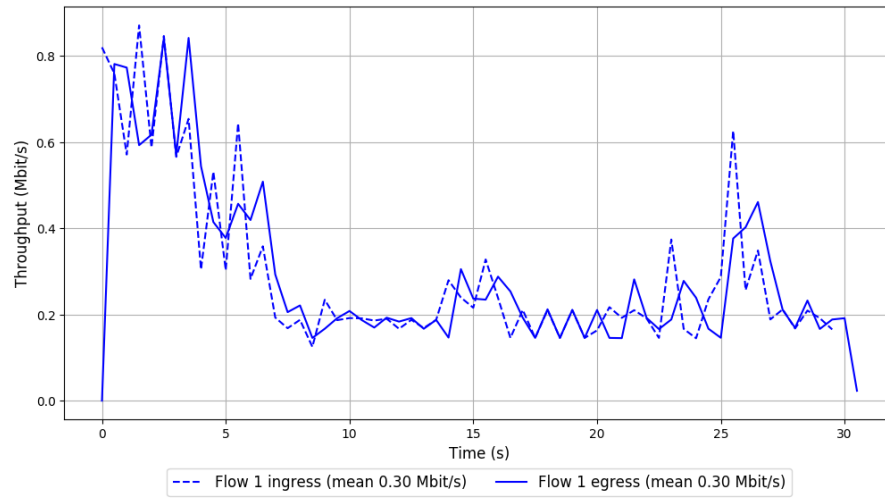
-- Flow 1:

Average throughput: 0.30 Mbit/s

95th percentile per-packet one-way delay: 81.212 ms

Loss rate: 0.00%

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



Run 5: Statistics of Sprout

Start at: 2018-07-09 21:16:35

End at: 2018-07-09 21:17:05

Local clock offset: -0.677 ms

Remote clock offset: 4.887 ms

# Below is generated by plot.py at 2018-07-09 23:33:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 82.019 ms

Loss rate: 0.00%

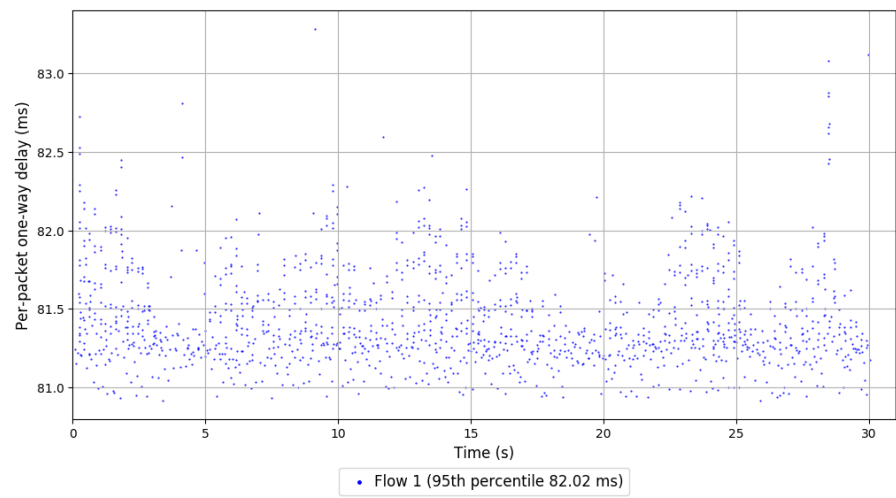
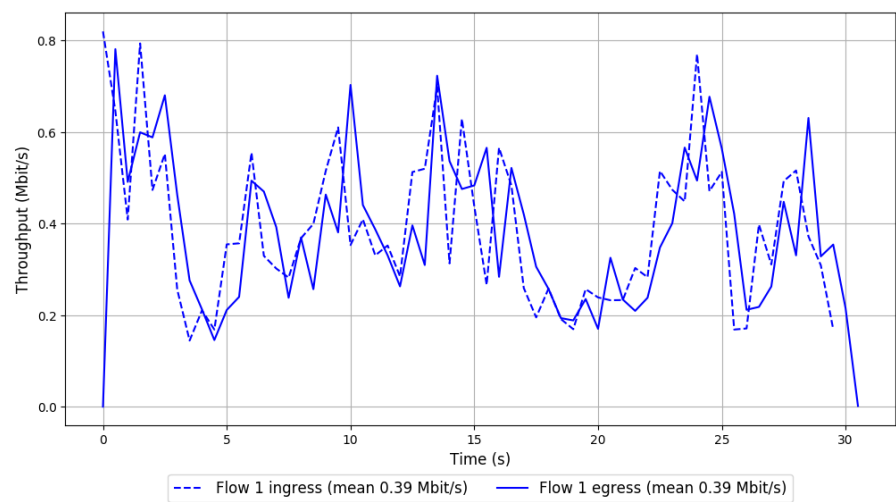
-- Flow 1:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 82.019 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

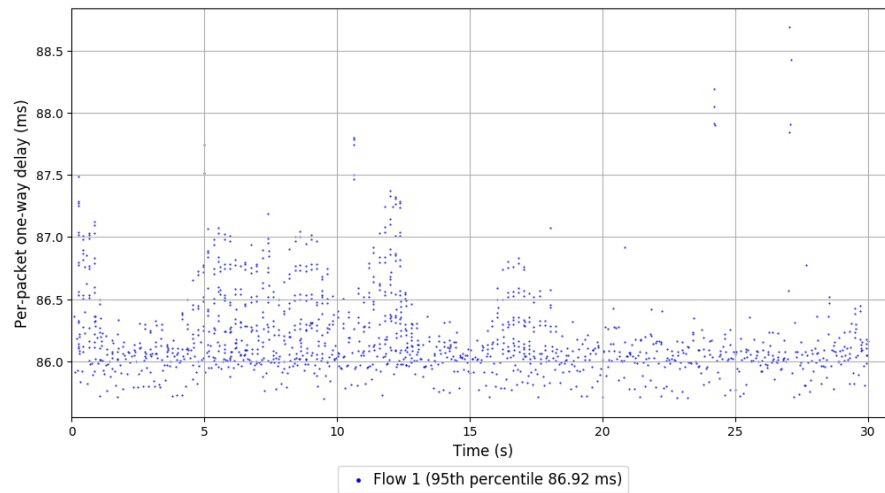
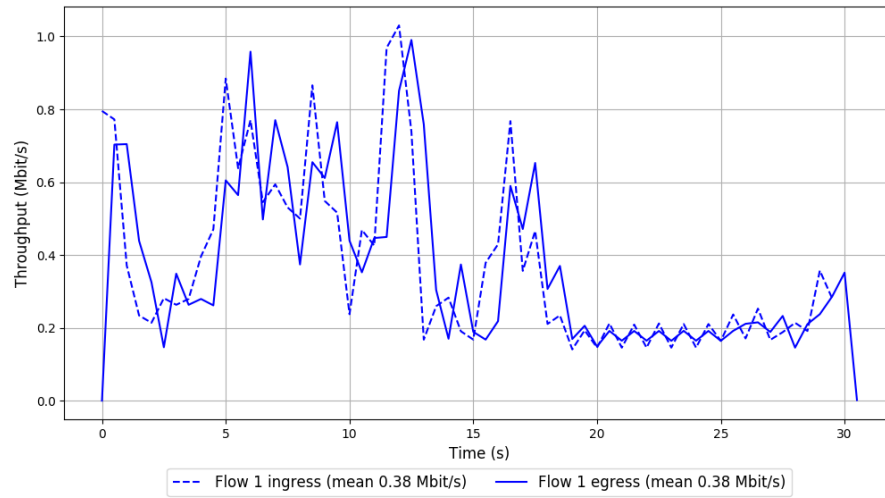


Run 6: Statistics of Sprout

Start at: 2018-07-09 21:36:31  
End at: 2018-07-09 21:37:01  
Local clock offset: -0.694 ms  
Remote clock offset: 10.348 ms

# Below is generated by plot.py at 2018-07-09 23:33:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.38 Mbit/s  
95th percentile per-packet one-way delay: 86.916 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.38 Mbit/s  
95th percentile per-packet one-way delay: 86.916 ms  
Loss rate: 0.00%

## Run 6: Report of Sprout — Data Link



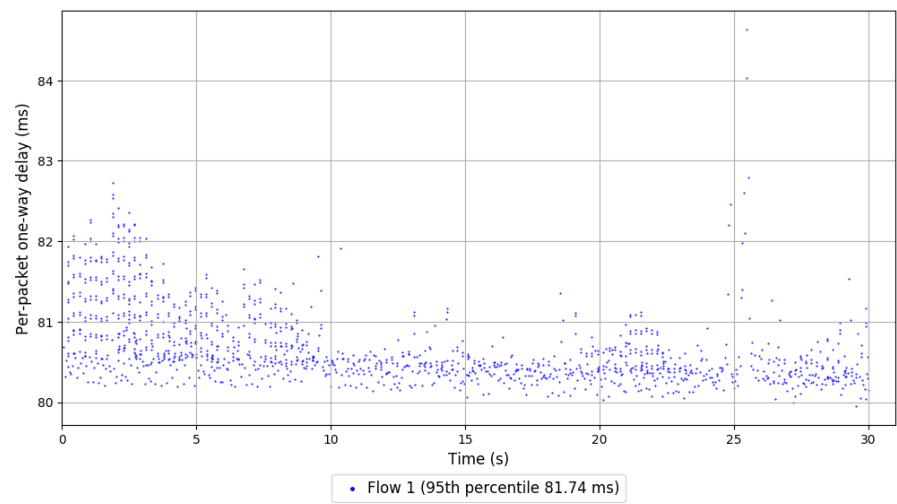
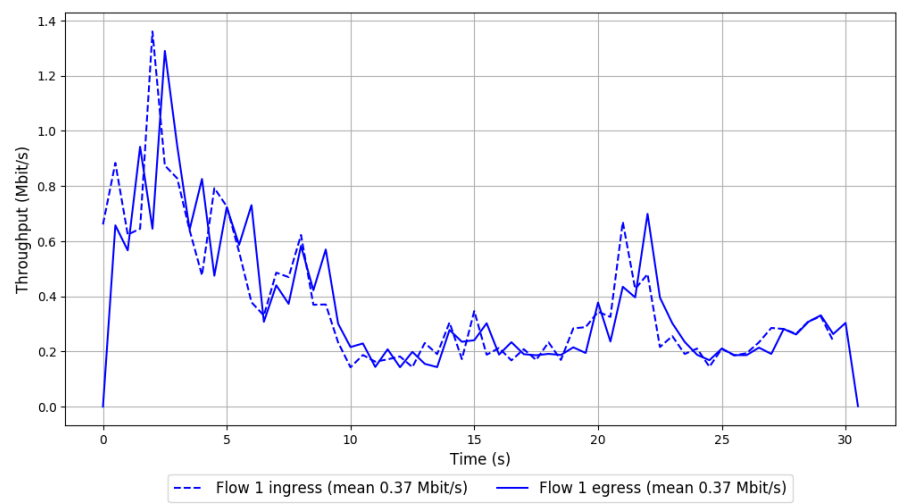
Run 7: Statistics of Sprout

Start at: 2018-07-09 21:56:23  
End at: 2018-07-09 21:56:53  
Local clock offset: -0.773 ms  
Remote clock offset: 23.945 ms

# Below is generated by plot.py at 2018-07-09 23:33:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.37 Mbit/s  
95th percentile per-packet one-way delay: 81.741 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.37 Mbit/s  
95th percentile per-packet one-way delay: 81.741 ms  
Loss rate: 0.00%



Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-07-09 22:16:19

End at: 2018-07-09 22:16:49

Local clock offset: -0.785 ms

Remote clock offset: 30.97 ms

# Below is generated by plot.py at 2018-07-09 23:33:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 80.834 ms

Loss rate: 0.00%

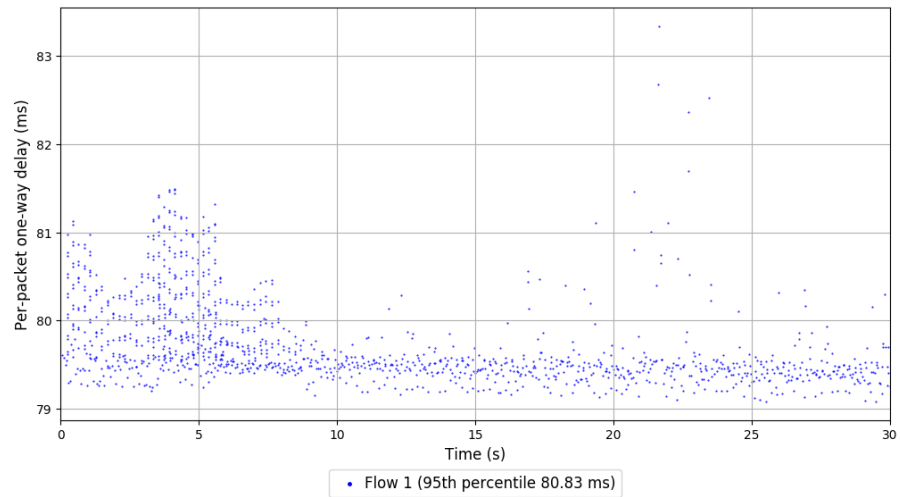
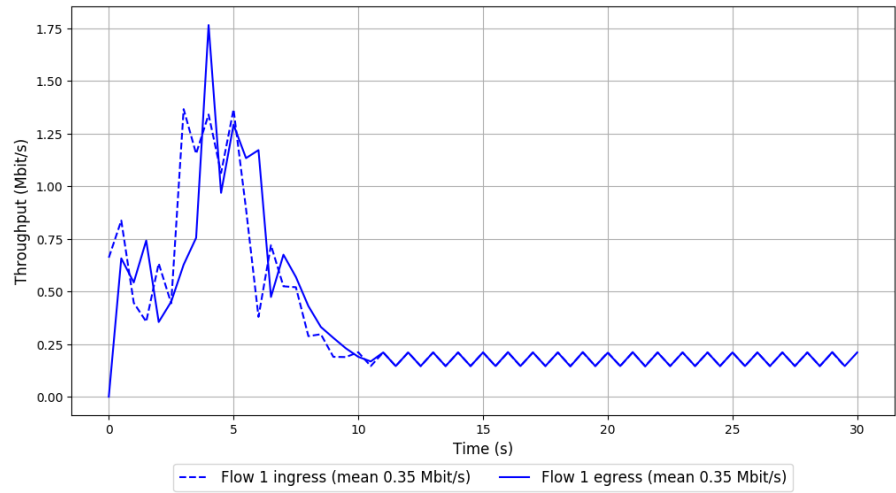
-- Flow 1:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 80.834 ms

Loss rate: 0.00%

## Run 8: Report of Sprout — Data Link

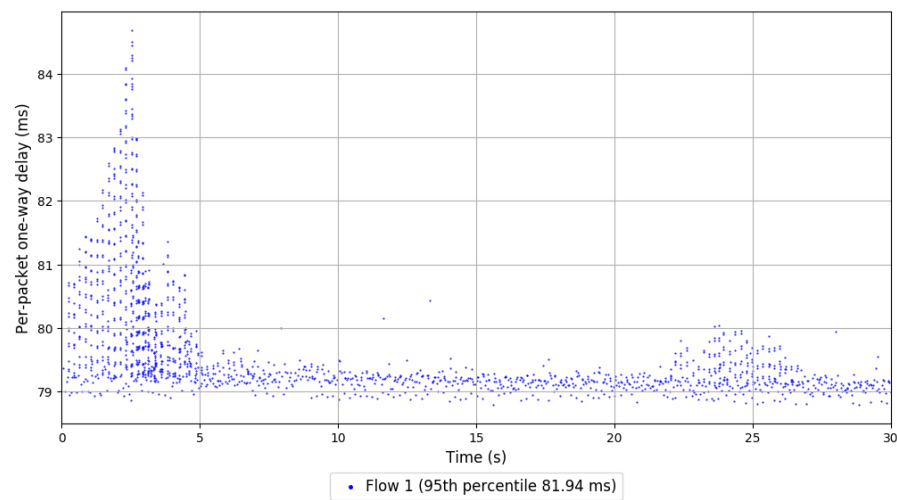
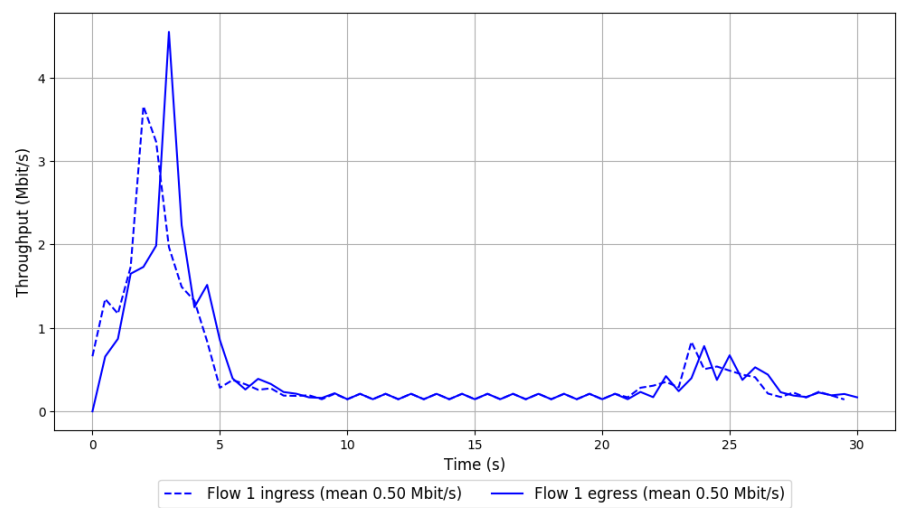


Run 9: Statistics of Sprout

Start at: 2018-07-09 22:36:13  
End at: 2018-07-09 22:36:43  
Local clock offset: -0.849 ms  
Remote clock offset: 37.205 ms

# Below is generated by plot.py at 2018-07-09 23:33:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.50 Mbit/s  
95th percentile per-packet one-way delay: 81.942 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.50 Mbit/s  
95th percentile per-packet one-way delay: 81.942 ms  
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link

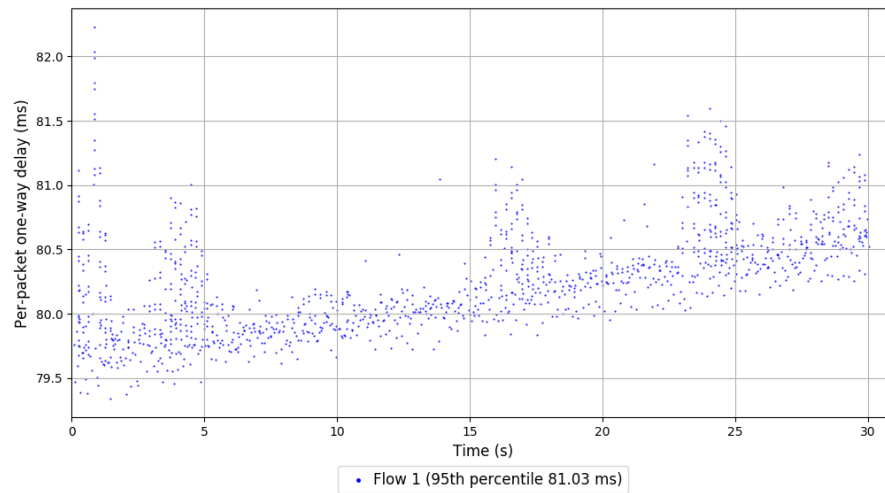
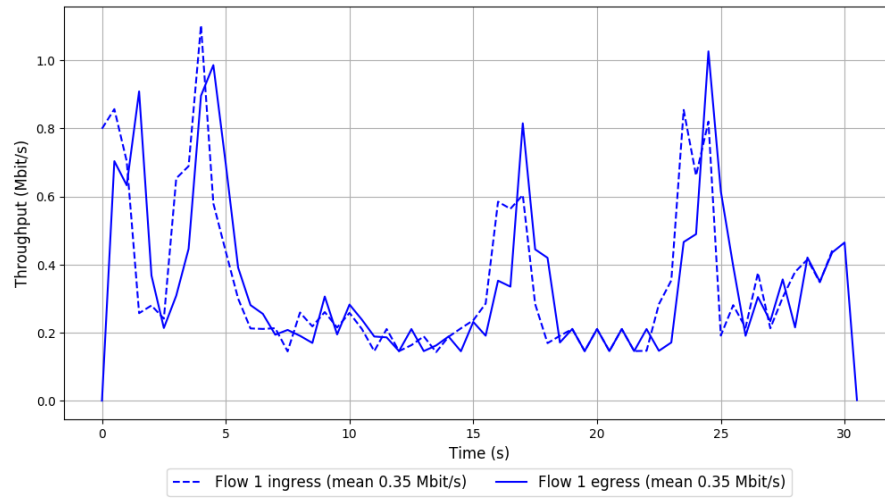


Run 10: Statistics of Sprout

Start at: 2018-07-09 22:56:03  
End at: 2018-07-09 22:56:33  
Local clock offset: -0.95 ms  
Remote clock offset: 20.546 ms

# Below is generated by plot.py at 2018-07-09 23:33:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.35 Mbit/s  
95th percentile per-packet one-way delay: 81.026 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.35 Mbit/s  
95th percentile per-packet one-way delay: 81.026 ms  
Loss rate: 0.00%

# Run 10: Report of Sprout — Data Link



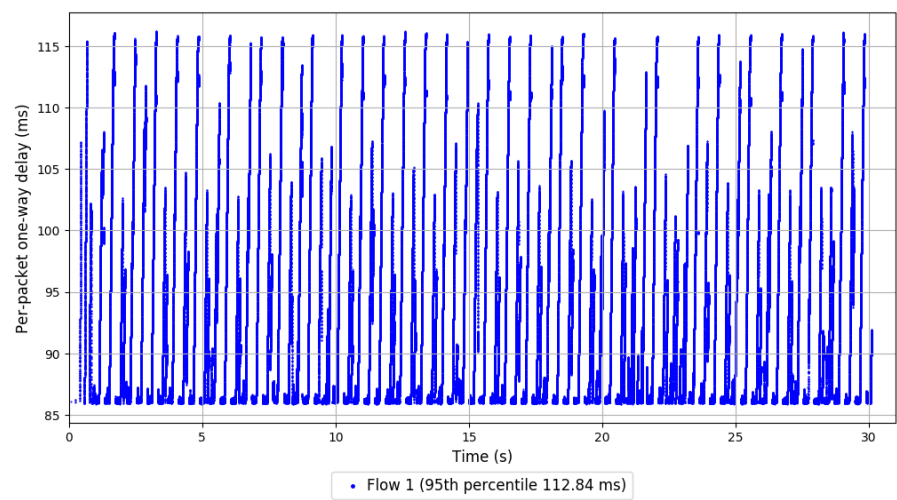
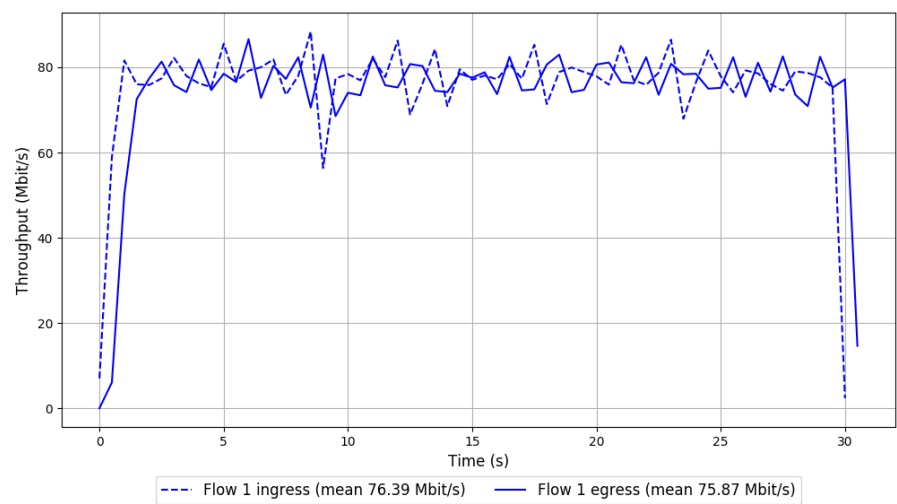
```
Run 1: Statistics of TaoVA-100x

Start at: 2018-07-09 20:12:11
End at: 2018-07-09 20:12:41
Local clock offset: -0.473 ms
Remote clock offset: 7.897 ms

# Below is generated by plot.py at 2018-07-09 23:34:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.87 Mbit/s
95th percentile per-packet one-way delay: 112.840 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 75.87 Mbit/s
95th percentile per-packet one-way delay: 112.840 ms
Loss rate: 0.66%
```



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



Run 2: Statistics of TaoVA-100x

Start at: 2018-07-09 20:32:05

End at: 2018-07-09 20:32:35

Local clock offset: -0.533 ms

Remote clock offset: 8.081 ms

# Below is generated by plot.py at 2018-07-09 23:34:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.93 Mbit/s

95th percentile per-packet one-way delay: 111.034 ms

Loss rate: 0.63%

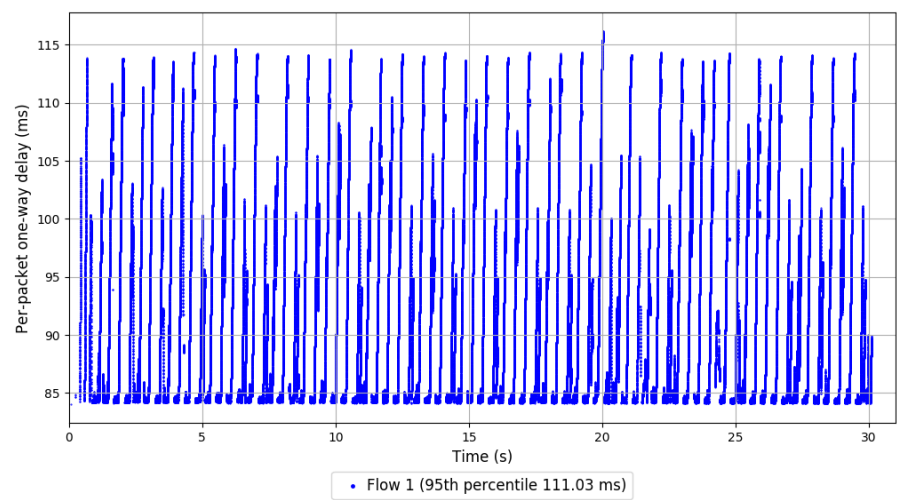
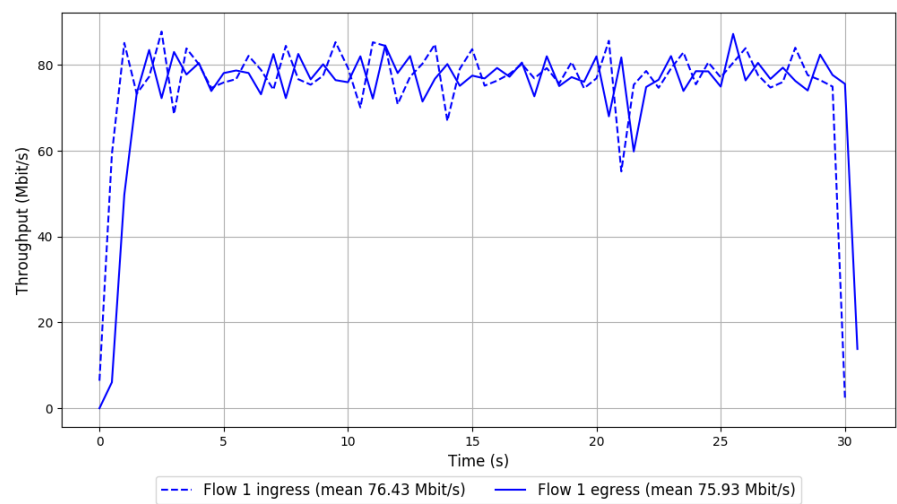
-- Flow 1:

Average throughput: 75.93 Mbit/s

95th percentile per-packet one-way delay: 111.034 ms

Loss rate: 0.63%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-07-09 20:51:58

End at: 2018-07-09 20:52:28

Local clock offset: -0.605 ms

Remote clock offset: 5.173 ms

# Below is generated by plot.py at 2018-07-09 23:34:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.22 Mbit/s

95th percentile per-packet one-way delay: 107.578 ms

Loss rate: 0.66%

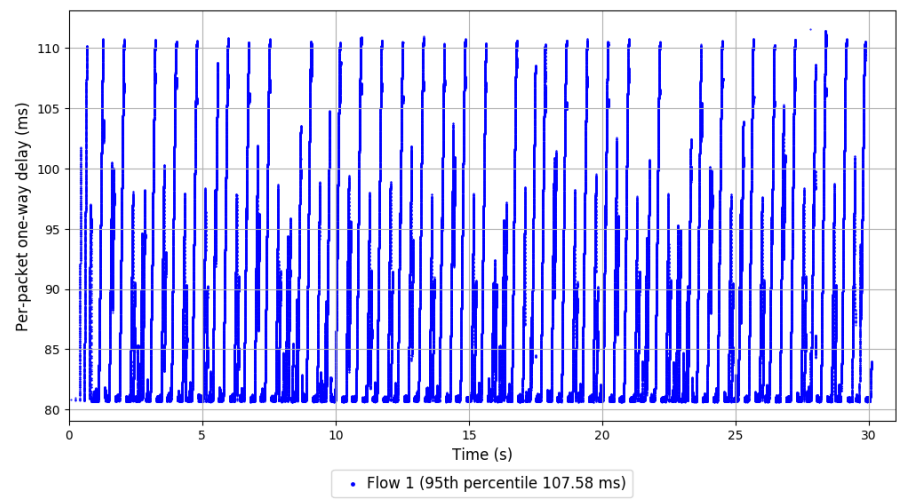
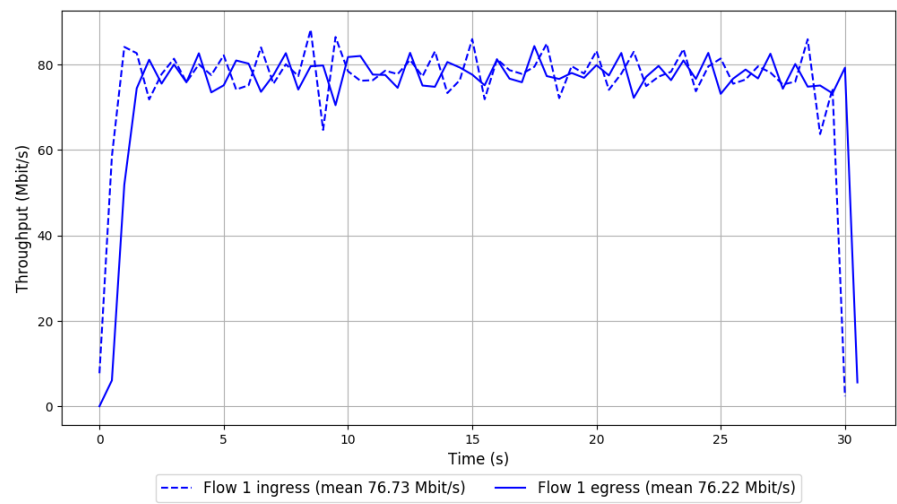
-- Flow 1:

Average throughput: 76.22 Mbit/s

95th percentile per-packet one-way delay: 107.578 ms

Loss rate: 0.66%

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

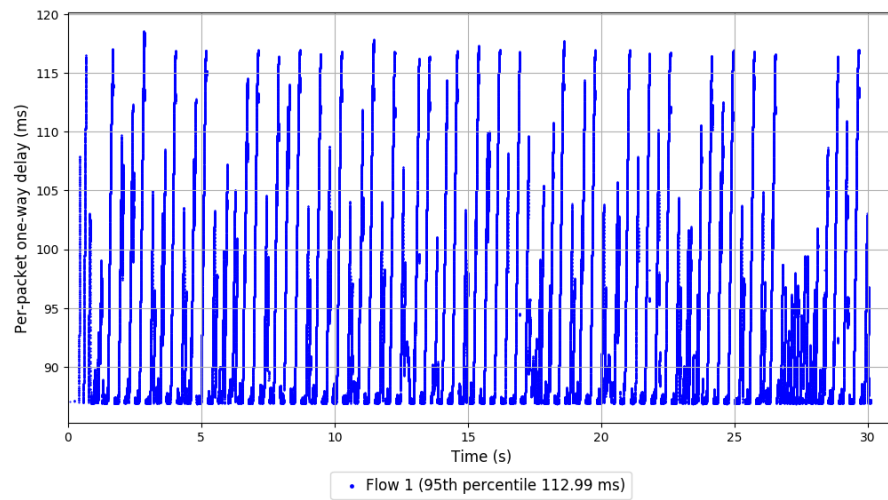
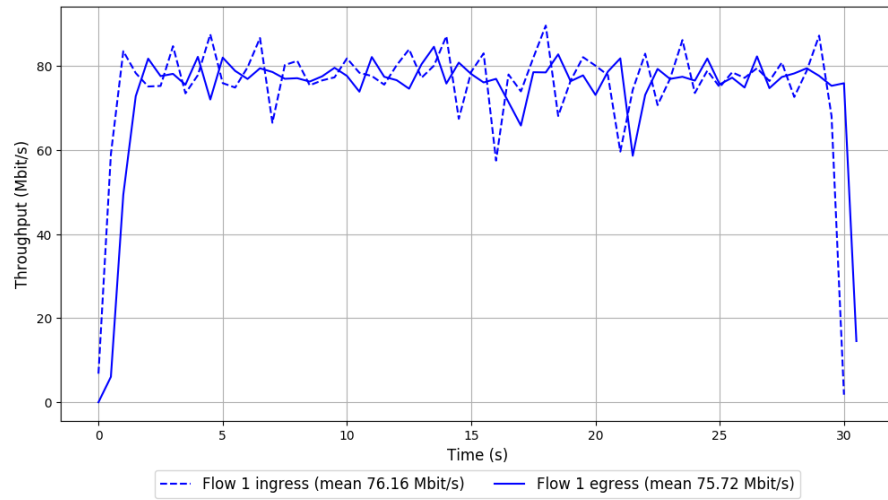


Run 4: Statistics of TaoVA-100x

Start at: 2018-07-09 21:11:52  
End at: 2018-07-09 21:12:22  
Local clock offset: -0.686 ms  
Remote clock offset: 10.717 ms

# Below is generated by plot.py at 2018-07-09 23:34:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 75.72 Mbit/s  
95th percentile per-packet one-way delay: 112.992 ms  
Loss rate: 0.57%  
-- Flow 1:  
Average throughput: 75.72 Mbit/s  
95th percentile per-packet one-way delay: 112.992 ms  
Loss rate: 0.57%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-07-09 21:31:45

End at: 2018-07-09 21:32:15

Local clock offset: -0.66 ms

Remote clock offset: 5.096 ms

# Below is generated by plot.py at 2018-07-09 23:34:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.58 Mbit/s

95th percentile per-packet one-way delay: 105.469 ms

Loss rate: 0.60%

-- Flow 1:

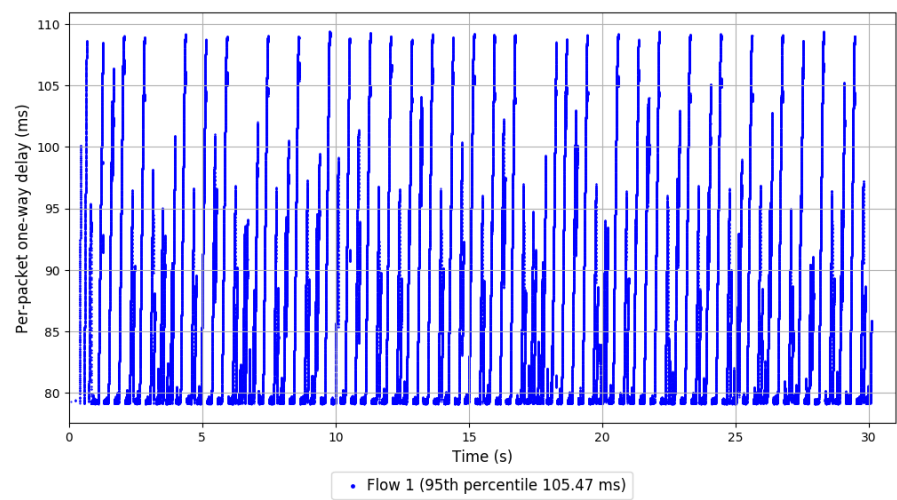
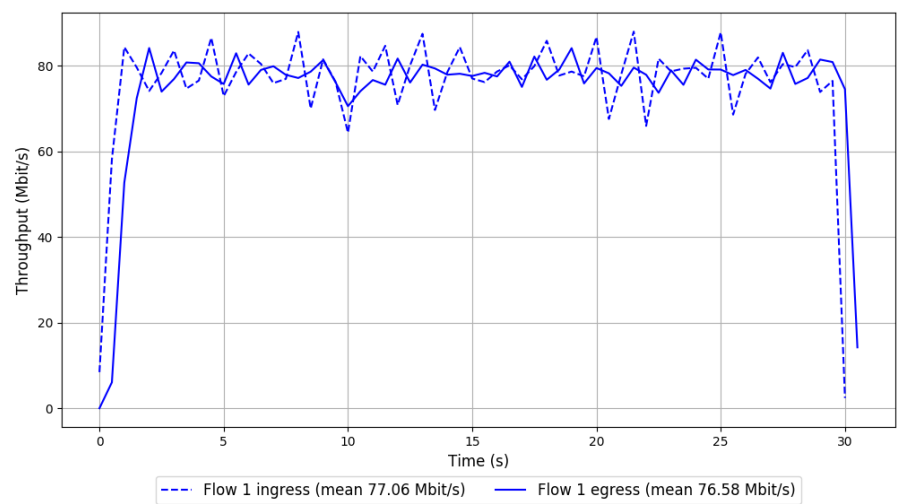
Average throughput: 76.58 Mbit/s

95th percentile per-packet one-way delay: 105.469 ms

Loss rate: 0.60%



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

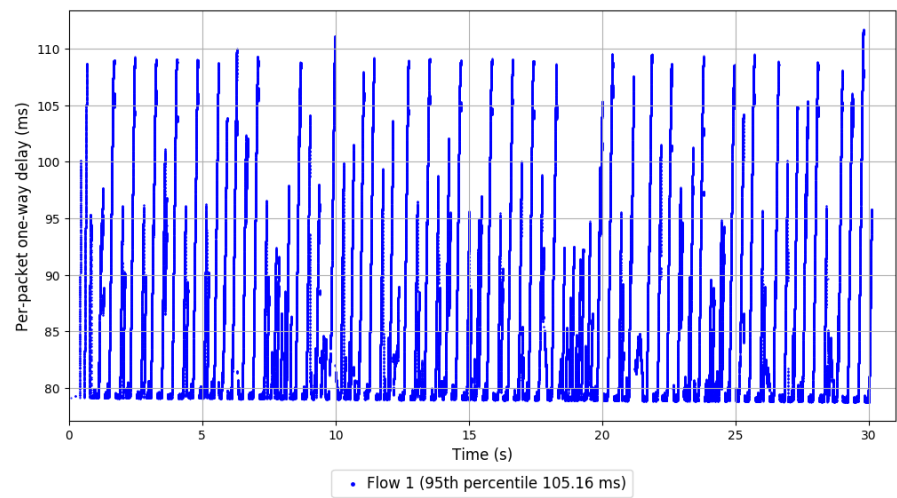
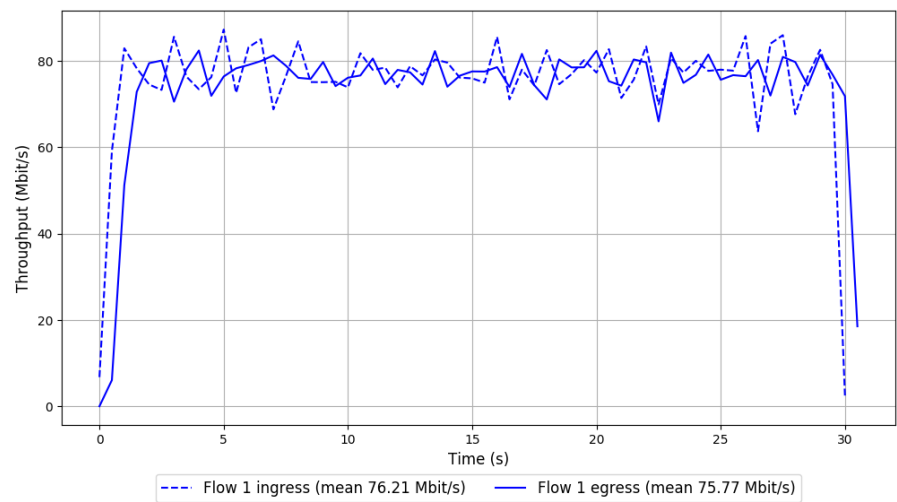


Run 6: Statistics of TaoVA-100x

Start at: 2018-07-09 21:51:39  
End at: 2018-07-09 21:52:09  
Local clock offset: -0.751 ms  
Remote clock offset: 19.666 ms

# Below is generated by plot.py at 2018-07-09 23:34:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 75.77 Mbit/s  
95th percentile per-packet one-way delay: 105.155 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 75.77 Mbit/s  
95th percentile per-packet one-way delay: 105.155 ms  
Loss rate: 0.51%

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

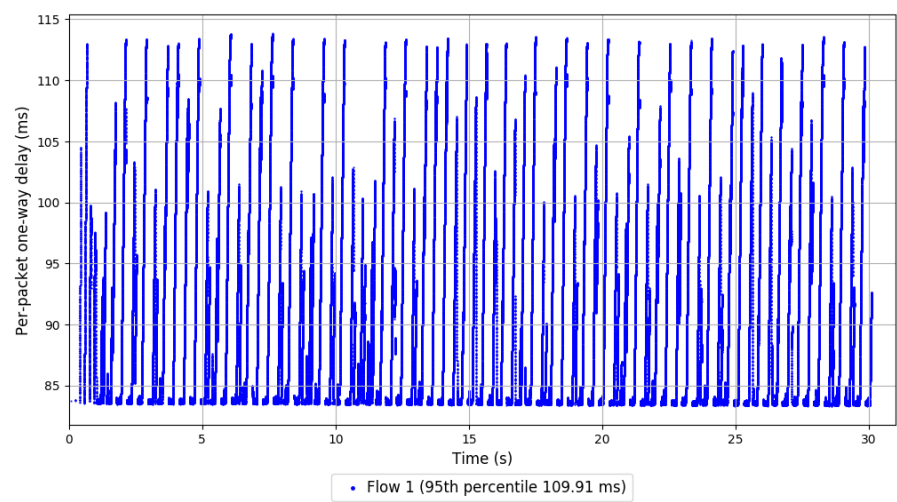
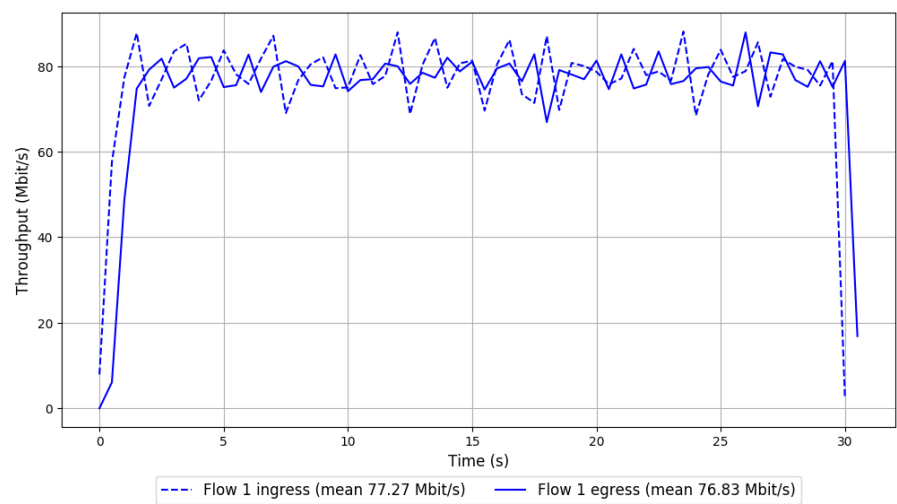


Run 7: Statistics of TaoVA-100x

Start at: 2018-07-09 22:11:34  
End at: 2018-07-09 22:12:05  
Local clock offset: -0.832 ms  
Remote clock offset: 33.373 ms

# Below is generated by plot.py at 2018-07-09 23:34:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.83 Mbit/s  
95th percentile per-packet one-way delay: 109.908 ms  
Loss rate: 0.54%  
-- Flow 1:  
Average throughput: 76.83 Mbit/s  
95th percentile per-packet one-way delay: 109.908 ms  
Loss rate: 0.54%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-07-09 22:31:29

End at: 2018-07-09 22:31:59

Local clock offset: -0.83 ms

Remote clock offset: 35.69 ms

# Below is generated by plot.py at 2018-07-09 23:34:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.46 Mbit/s

95th percentile per-packet one-way delay: 107.567 ms

Loss rate: 0.66%

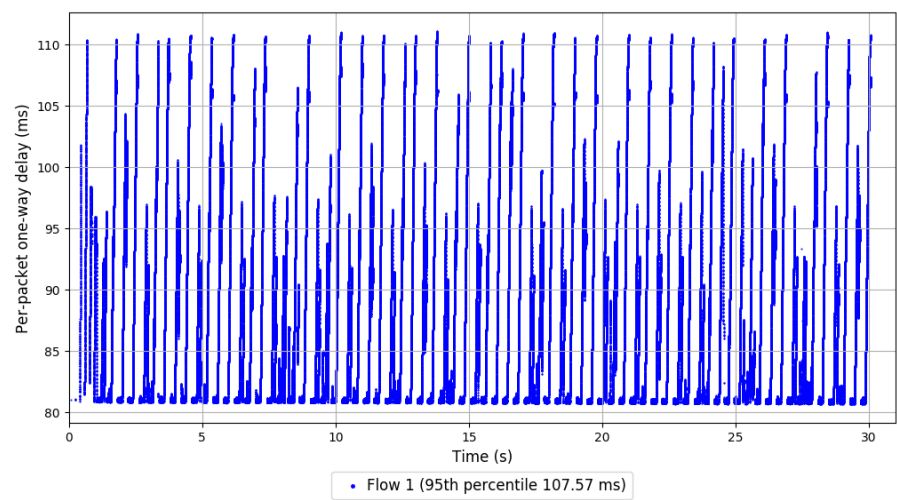
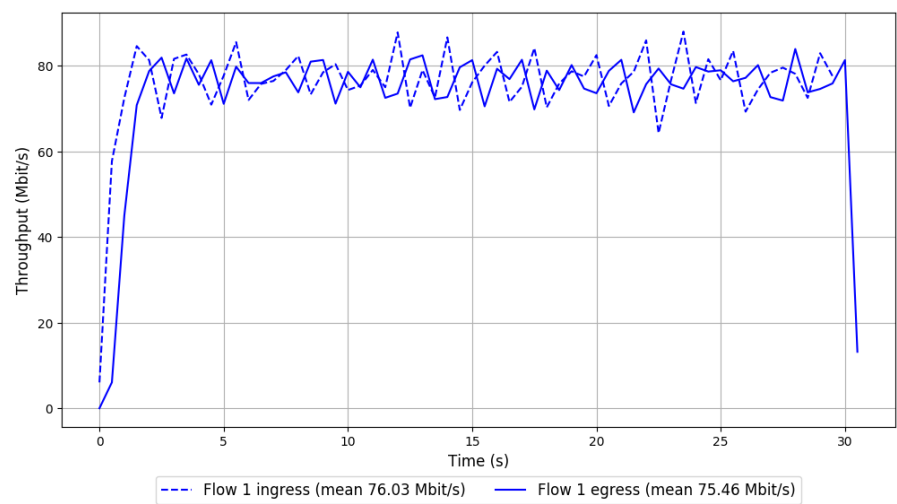
-- Flow 1:

Average throughput: 75.46 Mbit/s

95th percentile per-packet one-way delay: 107.567 ms

Loss rate: 0.66%

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



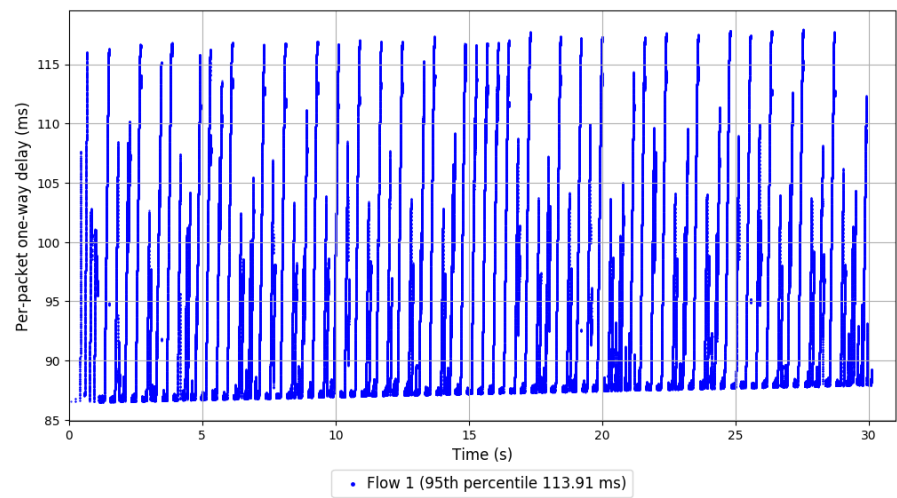
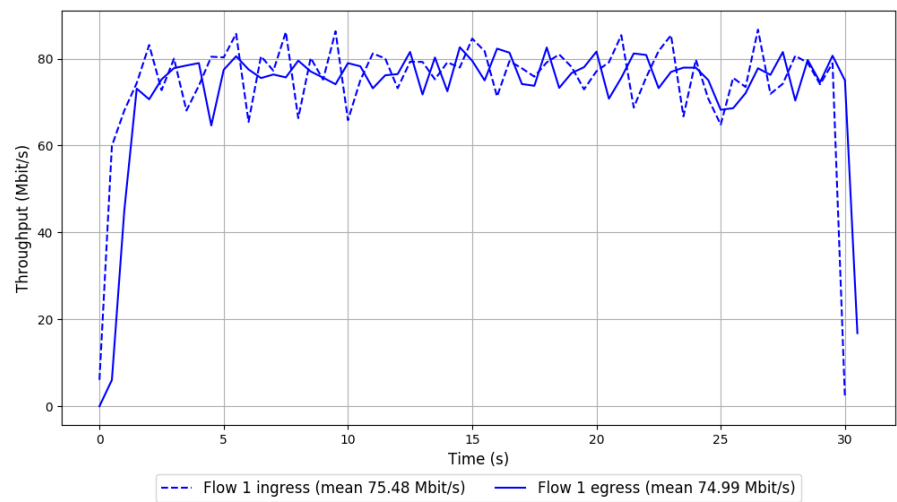
Run 9: Statistics of TaoVA-100x

Start at: 2018-07-09 22:51:19  
End at: 2018-07-09 22:51:49  
Local clock offset: -0.88 ms  
Remote clock offset: 37.269 ms

# Below is generated by plot.py at 2018-07-09 23:36:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.99 Mbit/s  
95th percentile per-packet one-way delay: 113.909 ms  
Loss rate: 0.64%  
-- Flow 1:  
Average throughput: 74.99 Mbit/s  
95th percentile per-packet one-way delay: 113.909 ms  
Loss rate: 0.64%



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



Run 10: Statistics of TaoVA-100x

Start at: 2018-07-09 23:11:09

End at: 2018-07-09 23:11:39

Local clock offset: -0.915 ms

Remote clock offset: 4.743 ms

# Below is generated by plot.py at 2018-07-09 23:36:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.99 Mbit/s

95th percentile per-packet one-way delay: 112.523 ms

Loss rate: 0.59%

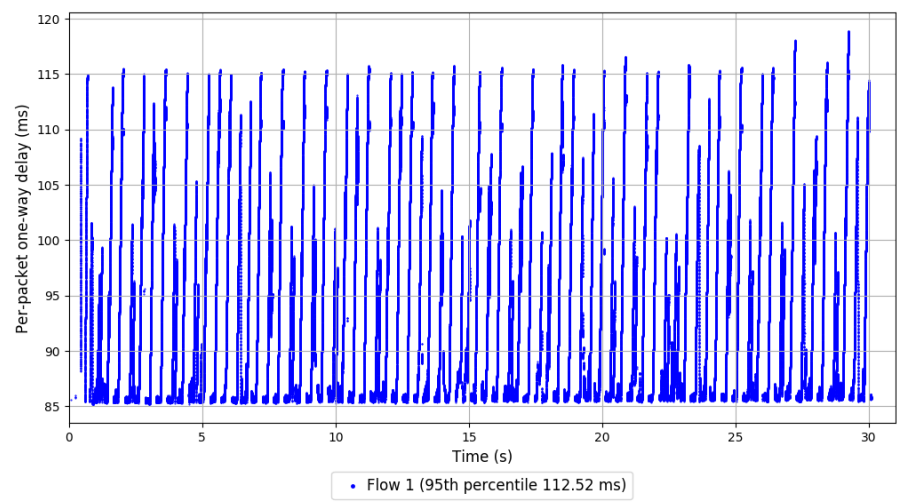
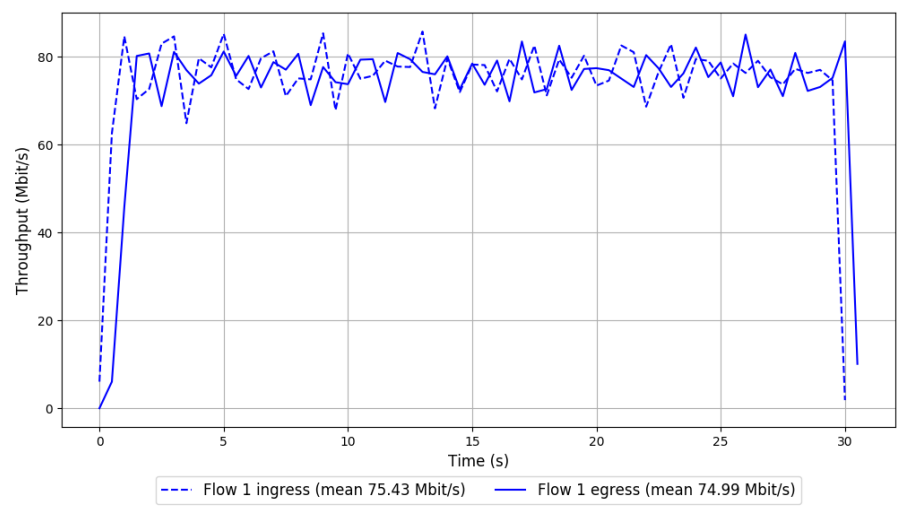
-- Flow 1:

Average throughput: 74.99 Mbit/s

95th percentile per-packet one-way delay: 112.523 ms

Loss rate: 0.59%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-07-09 20:01:48

End at: 2018-07-09 20:02:18

Local clock offset: -0.564 ms

Remote clock offset: 6.772 ms

# Below is generated by plot.py at 2018-07-09 23:36:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 25.61 Mbit/s

95th percentile per-packet one-way delay: 91.443 ms

Loss rate: 0.48%

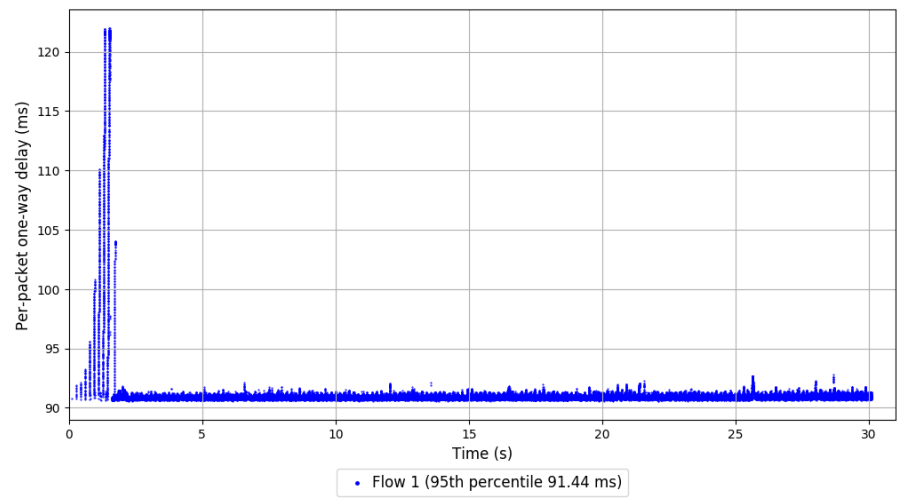
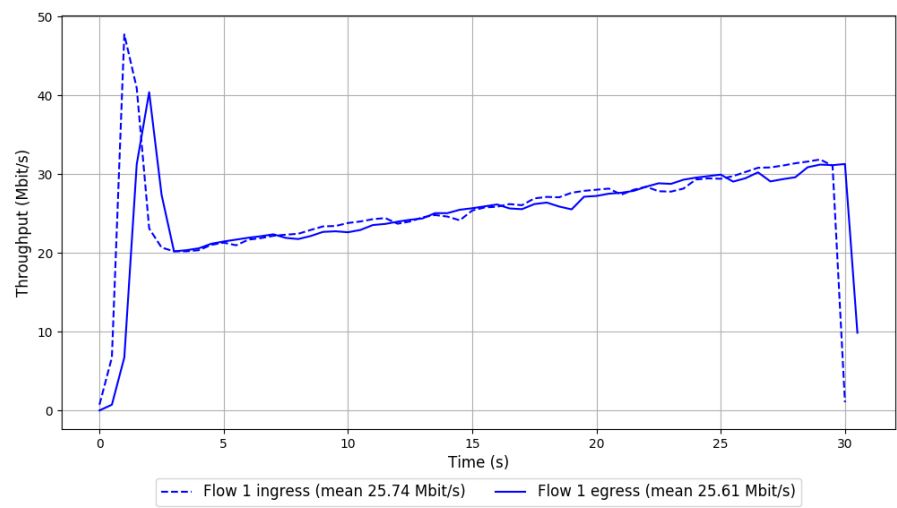
-- Flow 1:

Average throughput: 25.61 Mbit/s

95th percentile per-packet one-way delay: 91.443 ms

Loss rate: 0.48%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-07-09 20:21:39

End at: 2018-07-09 20:22:09

Local clock offset: -0.49 ms

Remote clock offset: 4.106 ms

# Below is generated by plot.py at 2018-07-09 23:36:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 46.10 Mbit/s

95th percentile per-packet one-way delay: 81.478 ms

Loss rate: 0.27%

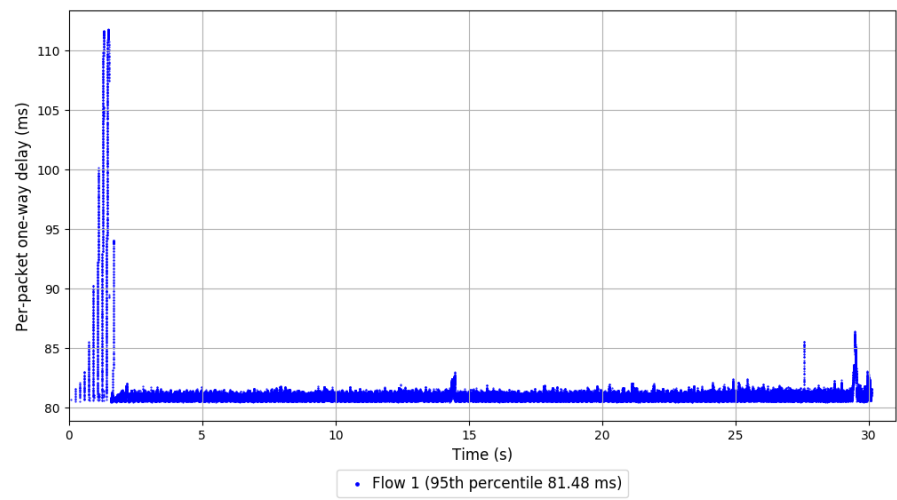
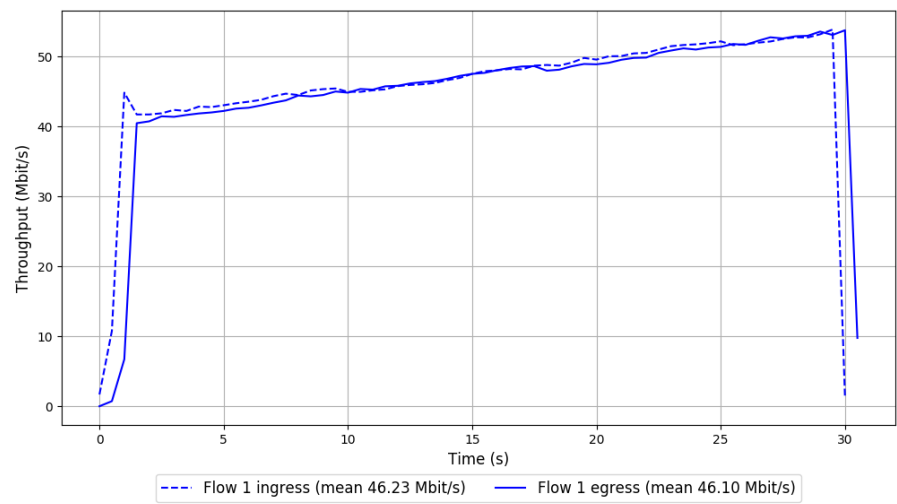
-- Flow 1:

Average throughput: 46.10 Mbit/s

95th percentile per-packet one-way delay: 81.478 ms

Loss rate: 0.27%

Run 2: Report of TCP Vegas — Data Link



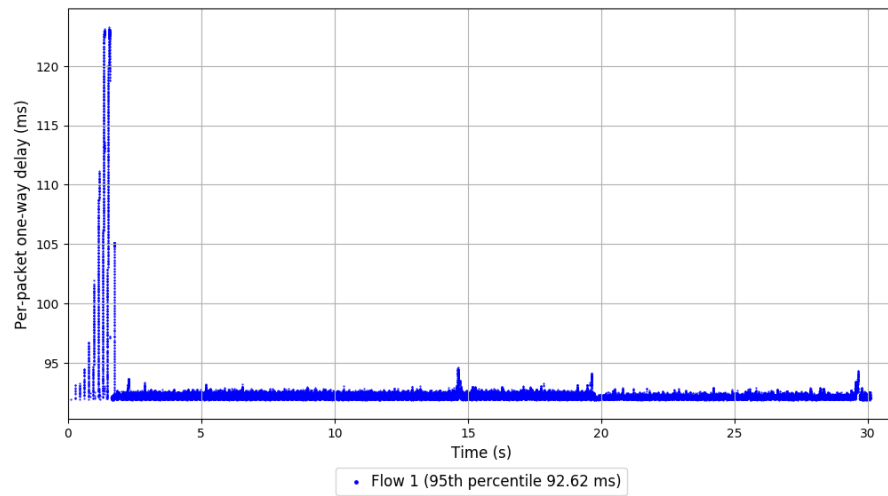
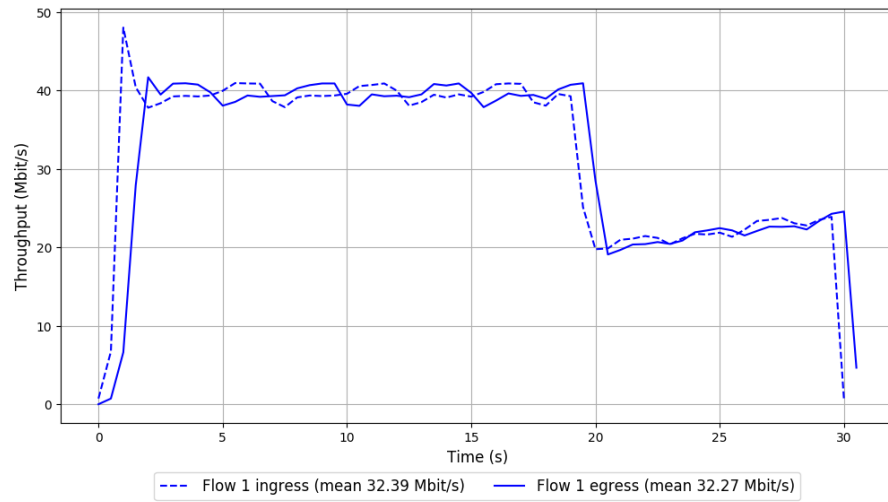
Run 3: Statistics of TCP Vegas

Start at: 2018-07-09 20:41:35  
End at: 2018-07-09 20:42:05  
Local clock offset: -0.596 ms  
Remote clock offset: 8.893 ms

# Below is generated by plot.py at 2018-07-09 23:36:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 32.27 Mbit/s  
95th percentile per-packet one-way delay: 92.619 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 32.27 Mbit/s  
95th percentile per-packet one-way delay: 92.619 ms  
Loss rate: 0.40%



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



Run 4: Statistics of TCP Vegas

Start at: 2018-07-09 21:01:25

End at: 2018-07-09 21:01:55

Local clock offset: -0.712 ms

Remote clock offset: 4.338 ms

# Below is generated by plot.py at 2018-07-09 23:36:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 28.71 Mbit/s

95th percentile per-packet one-way delay: 80.924 ms

Loss rate: 0.00%

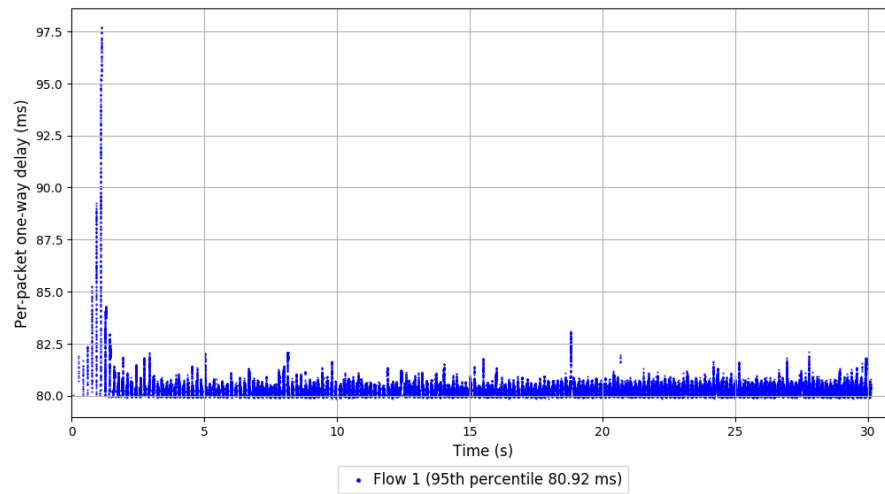
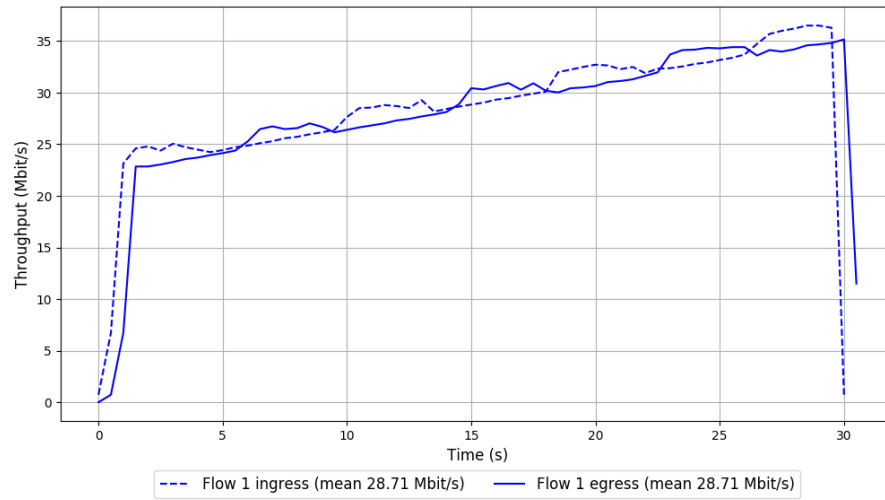
-- Flow 1:

Average throughput: 28.71 Mbit/s

95th percentile per-packet one-way delay: 80.924 ms

Loss rate: 0.00%

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



Run 5: Statistics of TCP Vegas

Start at: 2018-07-09 21:21:17

End at: 2018-07-09 21:21:47

Local clock offset: -0.671 ms

Remote clock offset: 8.842 ms

# Below is generated by plot.py at 2018-07-09 23:36:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 46.80 Mbit/s

95th percentile per-packet one-way delay: 84.028 ms

Loss rate: 0.26%

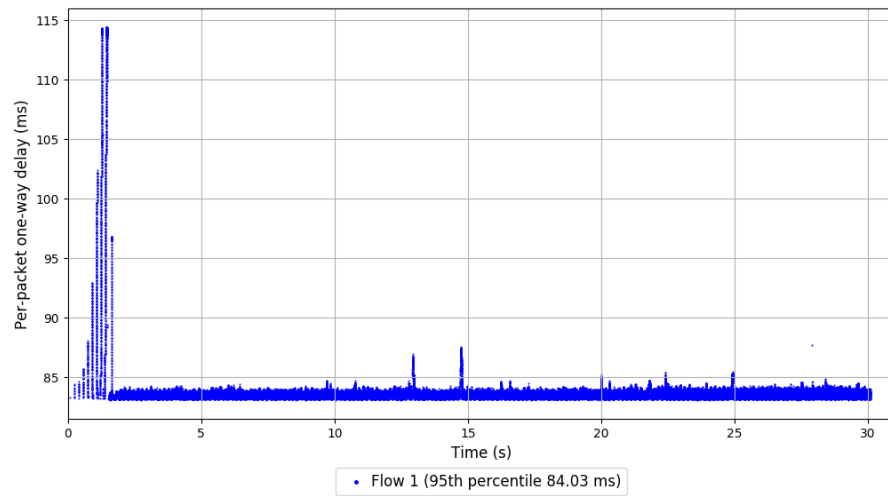
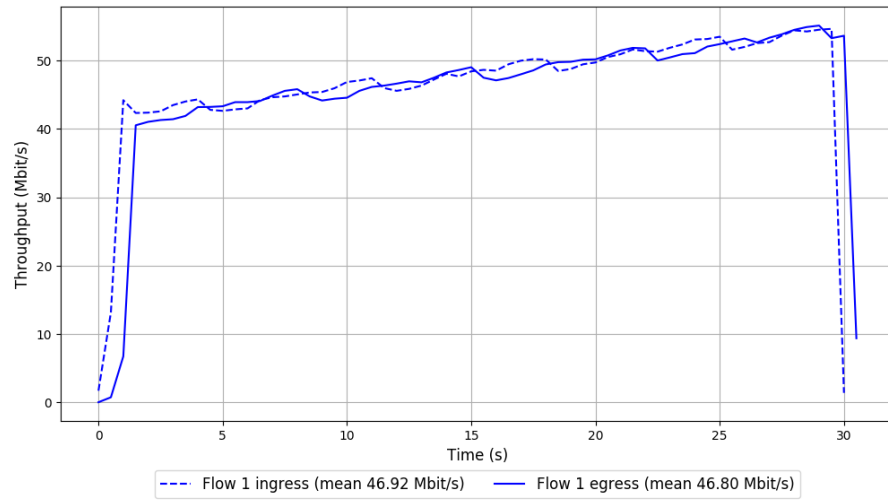
-- Flow 1:

Average throughput: 46.80 Mbit/s

95th percentile per-packet one-way delay: 84.028 ms

Loss rate: 0.26%

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

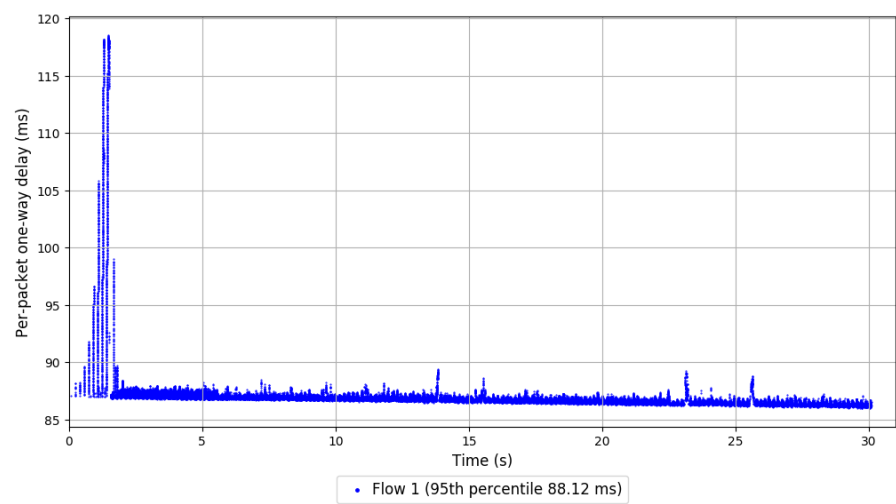
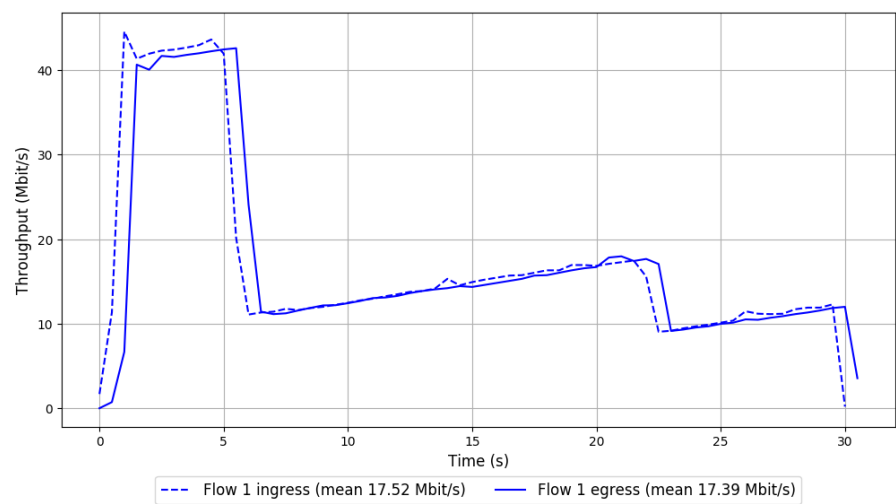


Run 6: Statistics of TCP Vegas

Start at: 2018-07-09 21:41:13  
End at: 2018-07-09 21:41:43  
Local clock offset: -0.691 ms  
Remote clock offset: 12.999 ms

# Below is generated by plot.py at 2018-07-09 23:36:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 17.39 Mbit/s  
95th percentile per-packet one-way delay: 88.123 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 17.39 Mbit/s  
95th percentile per-packet one-way delay: 88.123 ms  
Loss rate: 0.72%

Run 6: Report of TCP Vegas — Data Link



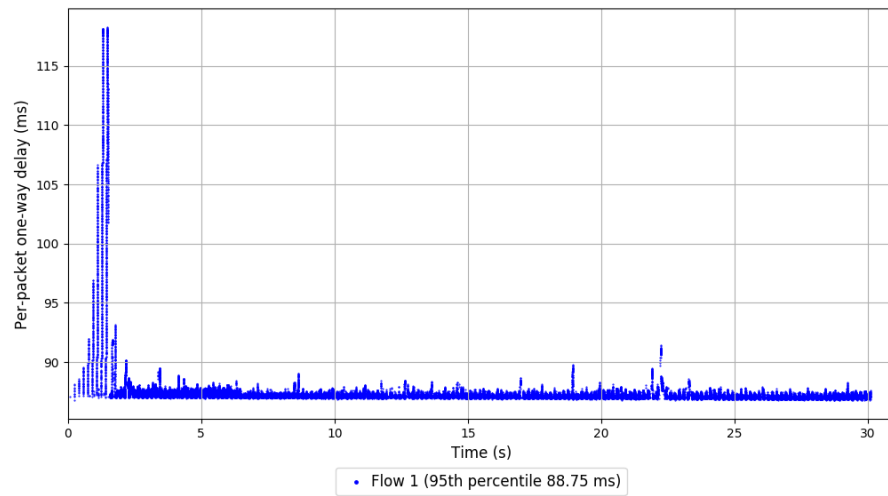
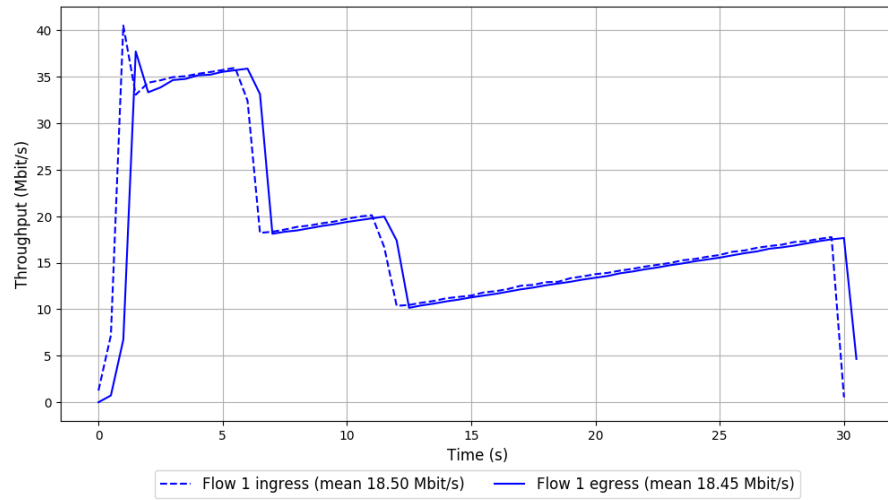
Run 7: Statistics of TCP Vegas

Start at: 2018-07-09 22:01:11  
End at: 2018-07-09 22:01:41  
Local clock offset: -0.746 ms  
Remote clock offset: 31.452 ms

# Below is generated by plot.py at 2018-07-09 23:36:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 18.45 Mbit/s  
95th percentile per-packet one-way delay: 88.754 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 18.45 Mbit/s  
95th percentile per-packet one-way delay: 88.754 ms  
Loss rate: 0.27%



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

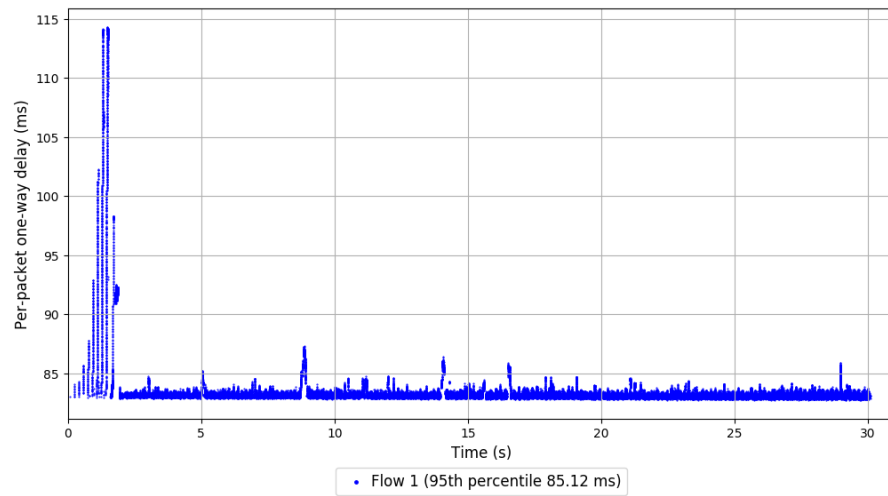
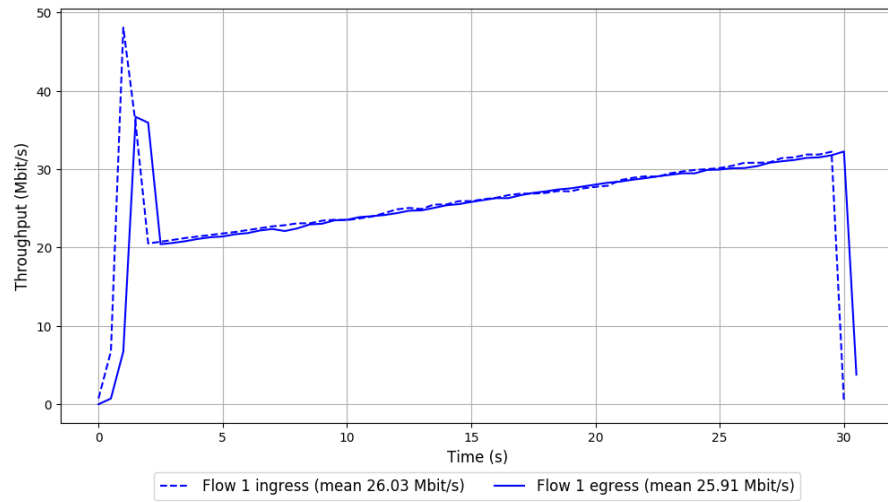


Run 8: Statistics of TCP Vegas

Start at: 2018-07-09 22:21:03  
End at: 2018-07-09 22:21:33  
Local clock offset: -0.81 ms  
Remote clock offset: 33.525 ms

# Below is generated by plot.py at 2018-07-09 23:36:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 25.91 Mbit/s  
95th percentile per-packet one-way delay: 85.120 ms  
Loss rate: 0.48%  
-- Flow 1:  
Average throughput: 25.91 Mbit/s  
95th percentile per-packet one-way delay: 85.120 ms  
Loss rate: 0.48%

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

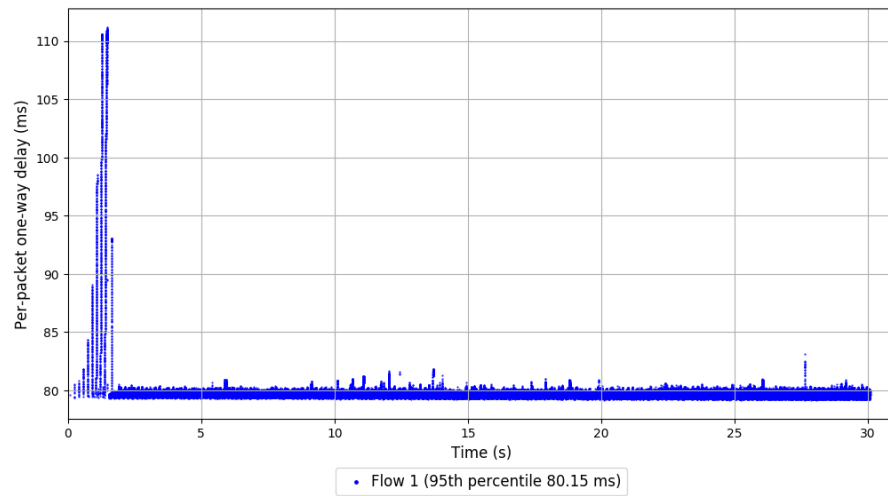
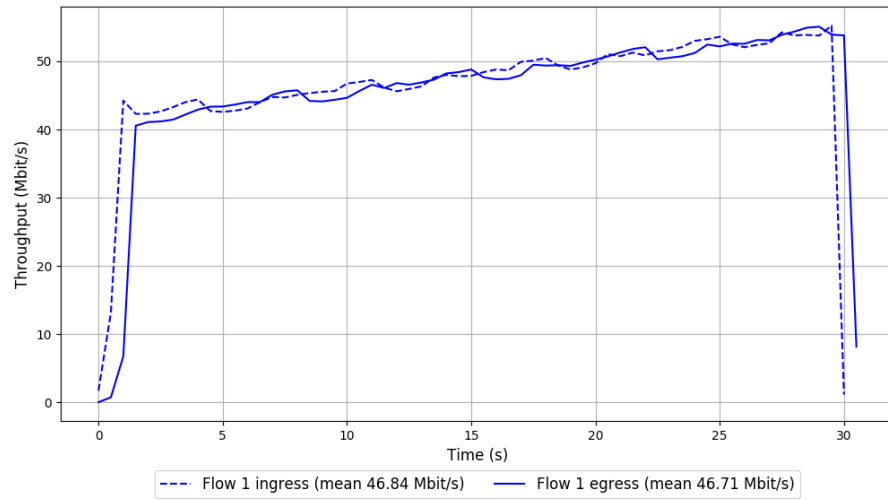


Run 9: Statistics of TCP Vegas

Start at: 2018-07-09 22:40:54  
End at: 2018-07-09 22:41:24  
Local clock offset: -0.873 ms  
Remote clock offset: 38.767 ms

# Below is generated by plot.py at 2018-07-09 23:36:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.71 Mbit/s  
95th percentile per-packet one-way delay: 80.149 ms  
Loss rate: 0.26%  
-- Flow 1:  
Average throughput: 46.71 Mbit/s  
95th percentile per-packet one-way delay: 80.149 ms  
Loss rate: 0.26%

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

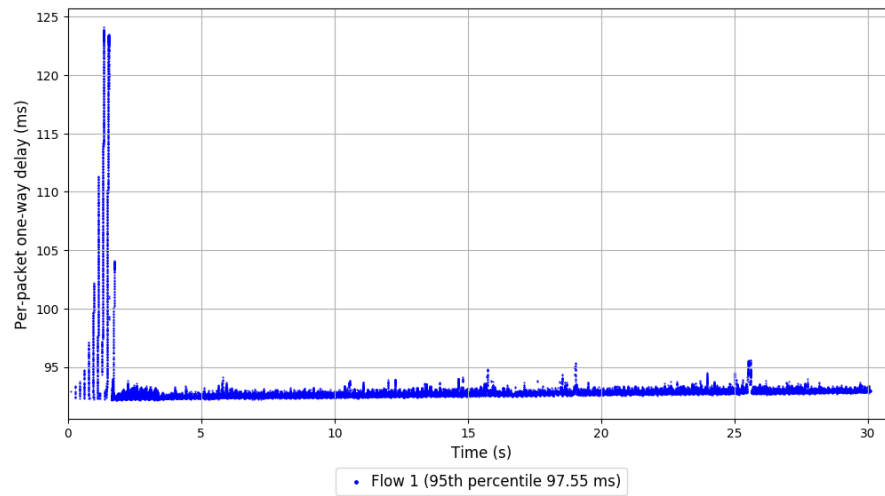
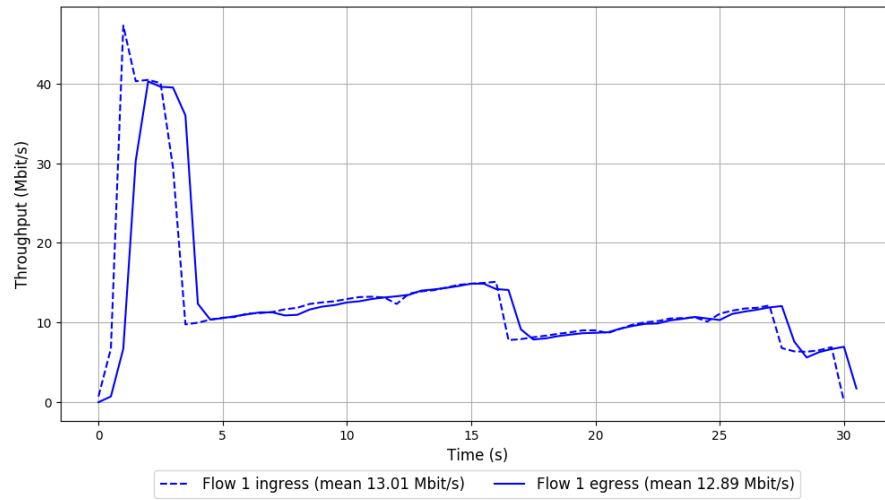


Run 10: Statistics of TCP Vegas

Start at: 2018-07-09 23:00:46  
End at: 2018-07-09 23:01:16  
Local clock offset: -0.931 ms  
Remote clock offset: 18.477 ms

# Below is generated by plot.py at 2018-07-09 23:36:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.89 Mbit/s  
95th percentile per-packet one-way delay: 97.553 ms  
Loss rate: 0.90%  
-- Flow 1:  
Average throughput: 12.89 Mbit/s  
95th percentile per-packet one-way delay: 97.553 ms  
Loss rate: 0.90%

# Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2018-07-09 20:05:15

End at: 2018-07-09 20:05:45

Local clock offset: -0.563 ms

Remote clock offset: 2.95 ms

# Below is generated by plot.py at 2018-07-09 23:36:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 36.59 Mbit/s

95th percentile per-packet one-way delay: 120.485 ms

Loss rate: 42.80%

-- Flow 1:

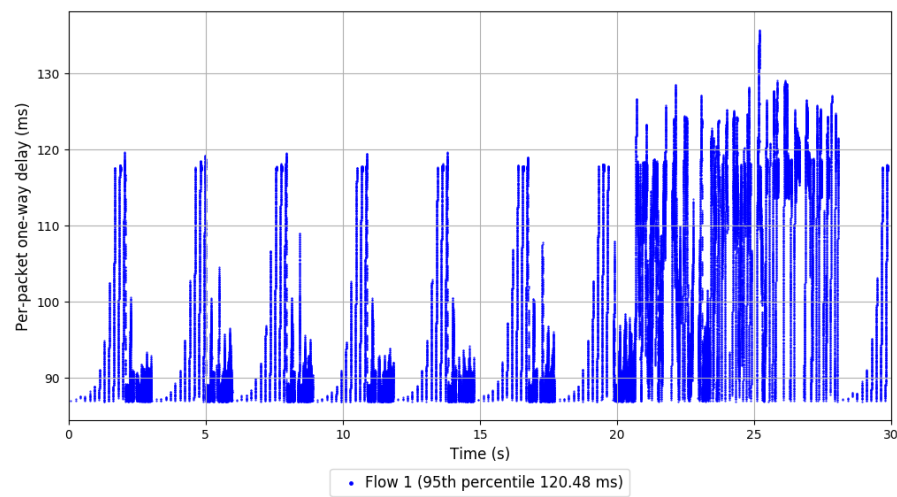
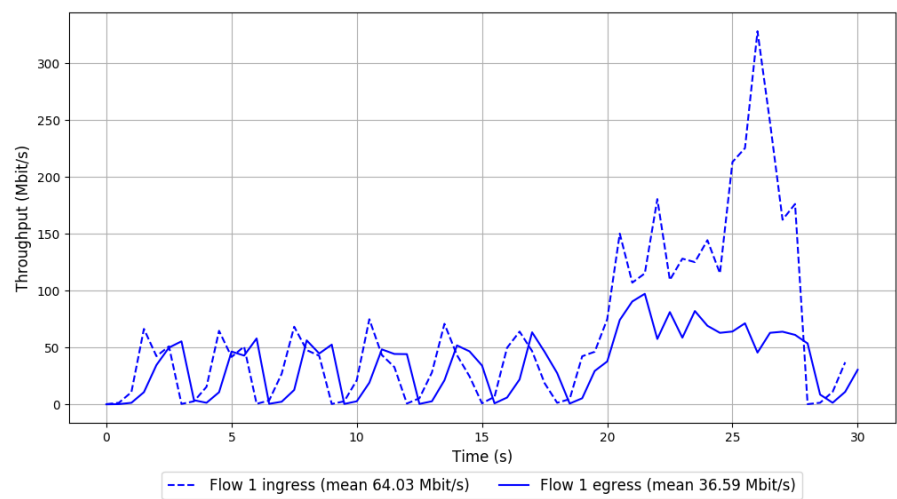
Average throughput: 36.59 Mbit/s

95th percentile per-packet one-way delay: 120.485 ms

Loss rate: 42.80%



Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-07-09 20:25:08

End at: 2018-07-09 20:25:38

Local clock offset: -0.494 ms

Remote clock offset: 3.015 ms

# Below is generated by plot.py at 2018-07-09 23:36:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 37.36 Mbit/s

95th percentile per-packet one-way delay: 134.842 ms

Loss rate: 61.85%

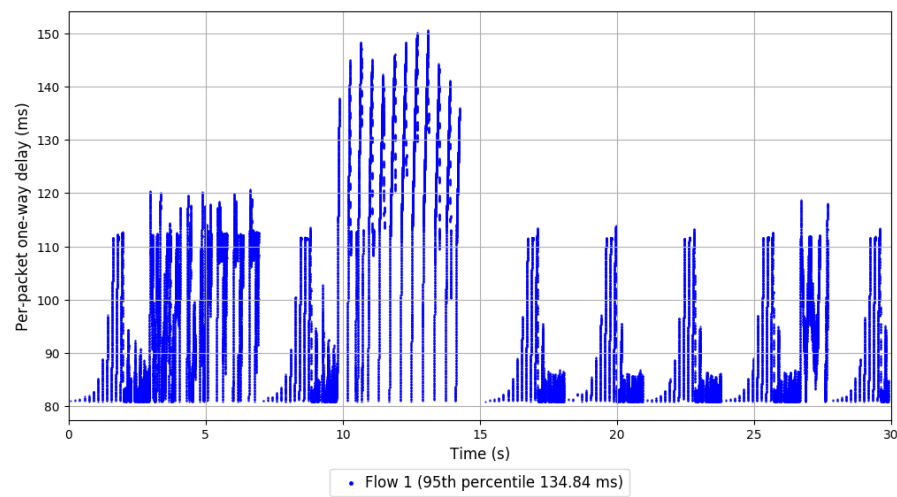
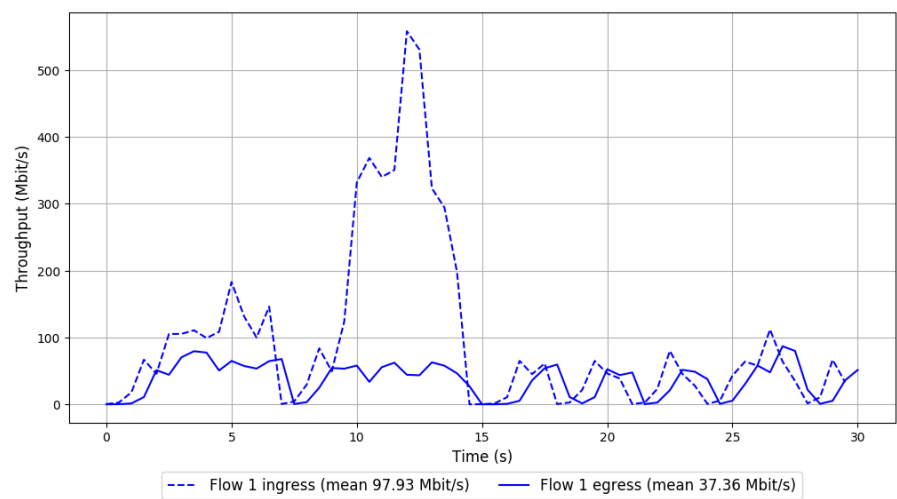
-- Flow 1:

Average throughput: 37.36 Mbit/s

95th percentile per-packet one-way delay: 134.842 ms

Loss rate: 61.85%

Run 2: Report of Verus — Data Link

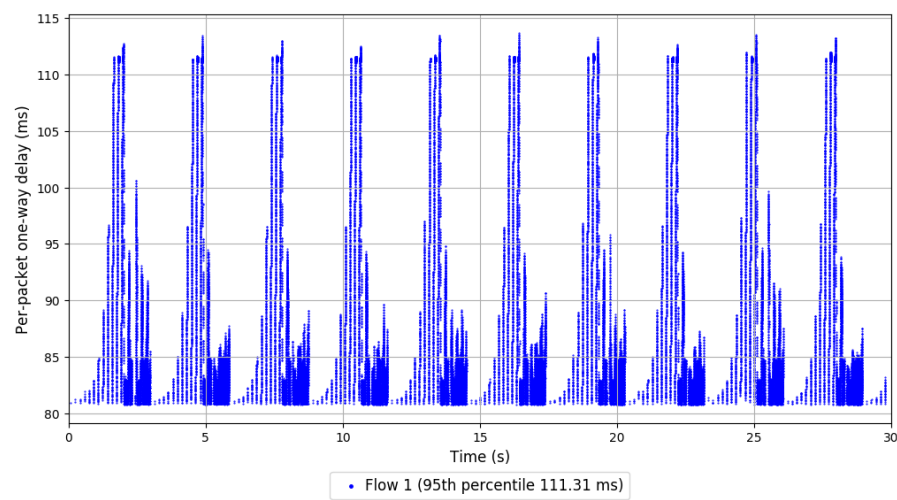
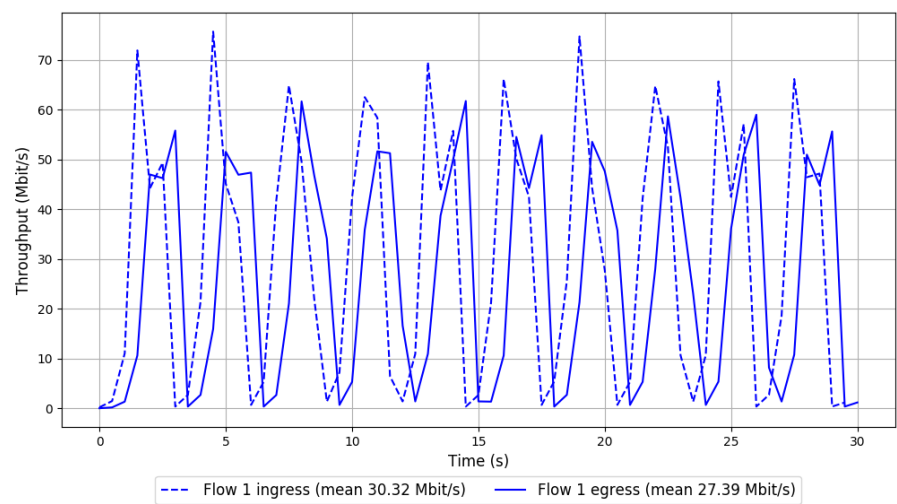


Run 3: Statistics of Verus

Start at: 2018-07-09 20:45:05  
End at: 2018-07-09 20:45:35  
Local clock offset: -0.607 ms  
Remote clock offset: 3.936 ms

# Below is generated by plot.py at 2018-07-09 23:36:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 27.39 Mbit/s  
95th percentile per-packet one-way delay: 111.309 ms  
Loss rate: 9.67%  
-- Flow 1:  
Average throughput: 27.39 Mbit/s  
95th percentile per-packet one-way delay: 111.309 ms  
Loss rate: 9.67%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-07-09 21:04:54

End at: 2018-07-09 21:05:24

Local clock offset: -0.653 ms

Remote clock offset: 9.598 ms

# Below is generated by plot.py at 2018-07-09 23:36:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 33.56 Mbit/s

95th percentile per-packet one-way delay: 157.858 ms

Loss rate: 69.45%

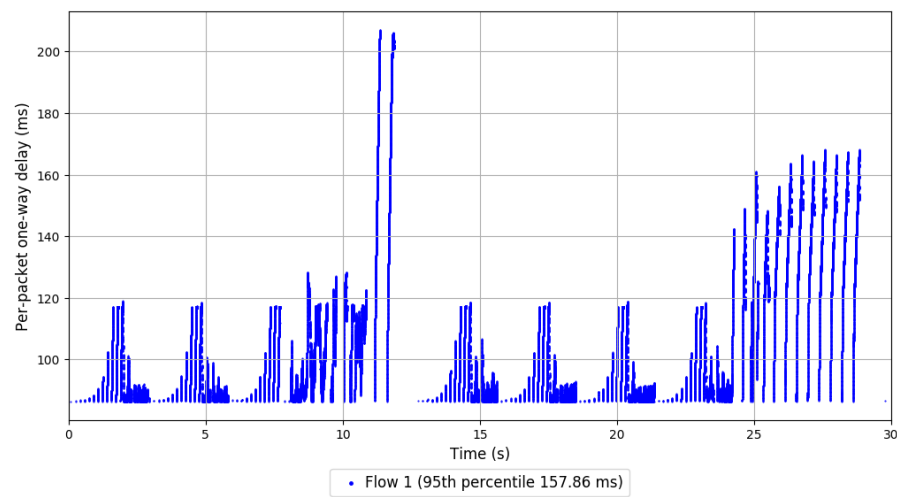
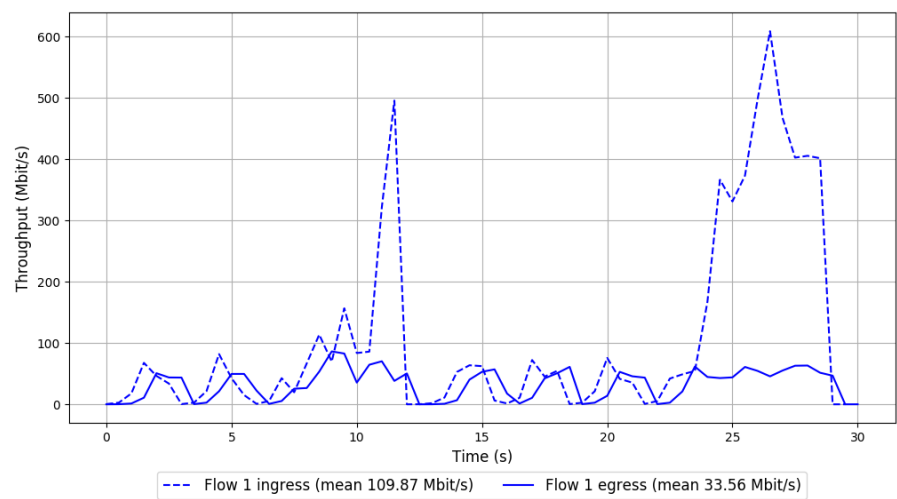
-- Flow 1:

Average throughput: 33.56 Mbit/s

95th percentile per-packet one-way delay: 157.858 ms

Loss rate: 69.45%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-07-09 21:24:47

End at: 2018-07-09 21:25:17

Local clock offset: -0.651 ms

Remote clock offset: 6.082 ms

# Below is generated by plot.py at 2018-07-09 23:36:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 45.67 Mbit/s

95th percentile per-packet one-way delay: 121.536 ms

Loss rate: 58.85%

-- Flow 1:

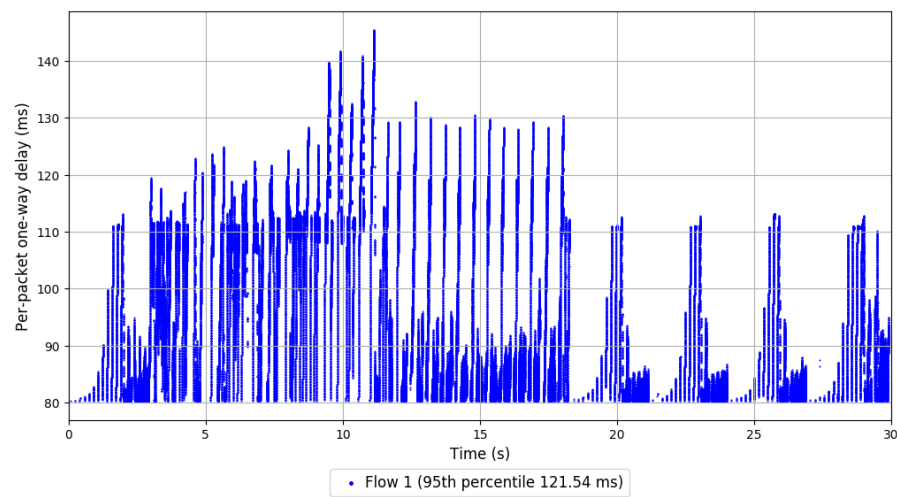
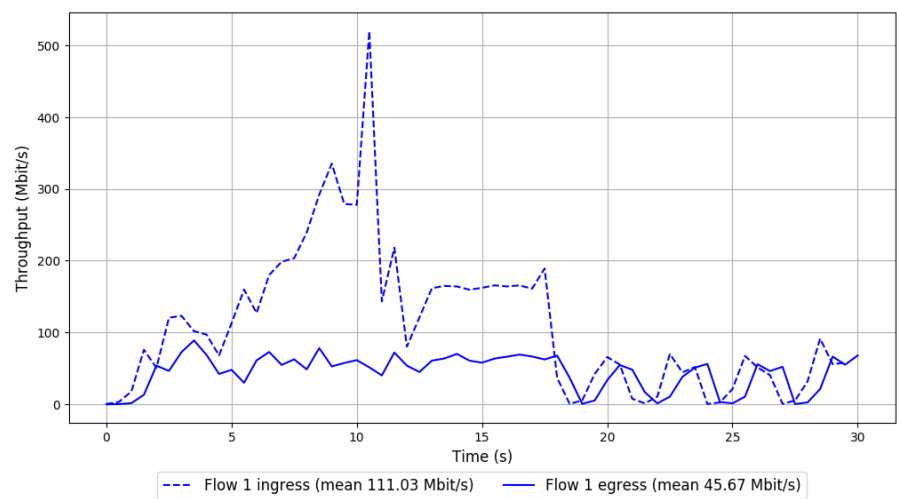
Average throughput: 45.67 Mbit/s

95th percentile per-packet one-way delay: 121.536 ms

Loss rate: 58.85%



Run 5: Report of Verus — Data Link

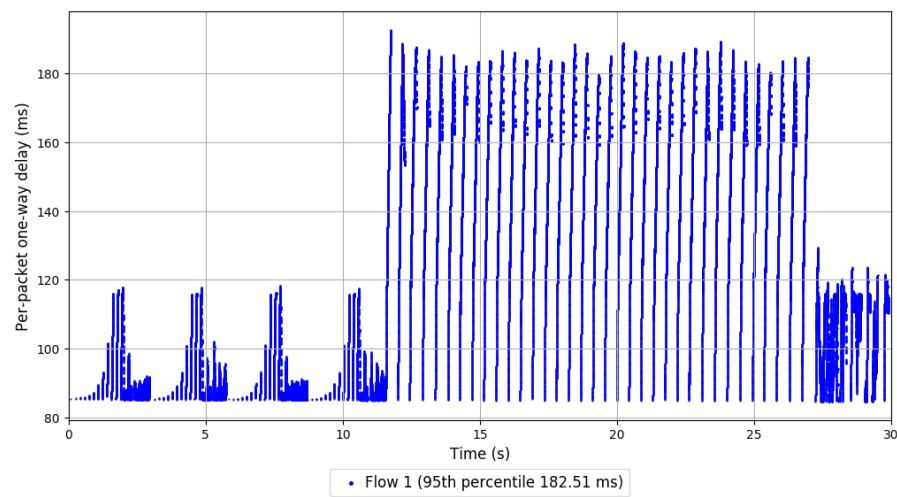
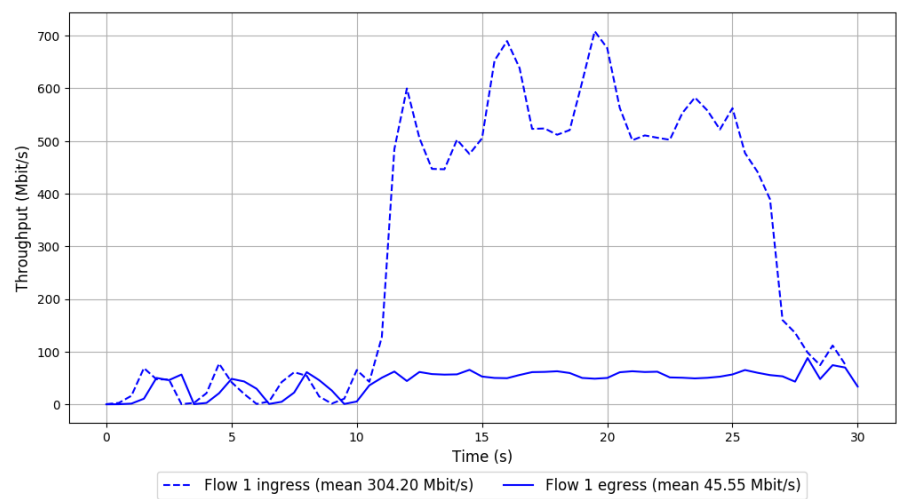


Run 6: Statistics of Verus

Start at: 2018-07-09 21:44:41  
End at: 2018-07-09 21:45:11  
Local clock offset: -0.678 ms  
Remote clock offset: 18.389 ms

# Below is generated by plot.py at 2018-07-09 23:37:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.55 Mbit/s  
95th percentile per-packet one-way delay: 182.510 ms  
Loss rate: 85.01%  
-- Flow 1:  
Average throughput: 45.55 Mbit/s  
95th percentile per-packet one-way delay: 182.510 ms  
Loss rate: 85.01%

Run 6: Report of Verus — Data Link

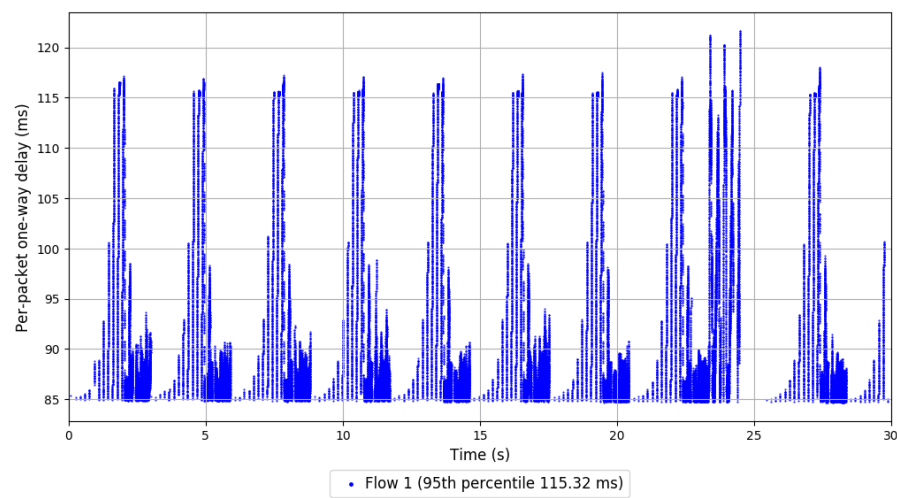
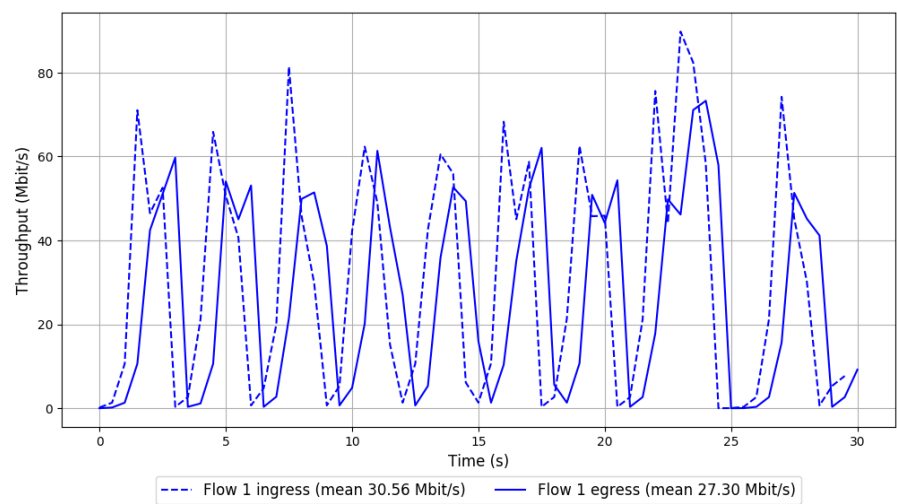


Run 7: Statistics of Verus

Start at: 2018-07-09 22:04:40  
End at: 2018-07-09 22:05:10  
Local clock offset: -0.734 ms  
Remote clock offset: 26.855 ms

# Below is generated by plot.py at 2018-07-09 23:37:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 27.30 Mbit/s  
95th percentile per-packet one-way delay: 115.320 ms  
Loss rate: 10.69%  
-- Flow 1:  
Average throughput: 27.30 Mbit/s  
95th percentile per-packet one-way delay: 115.320 ms  
Loss rate: 10.69%

Run 7: Report of Verus — Data Link

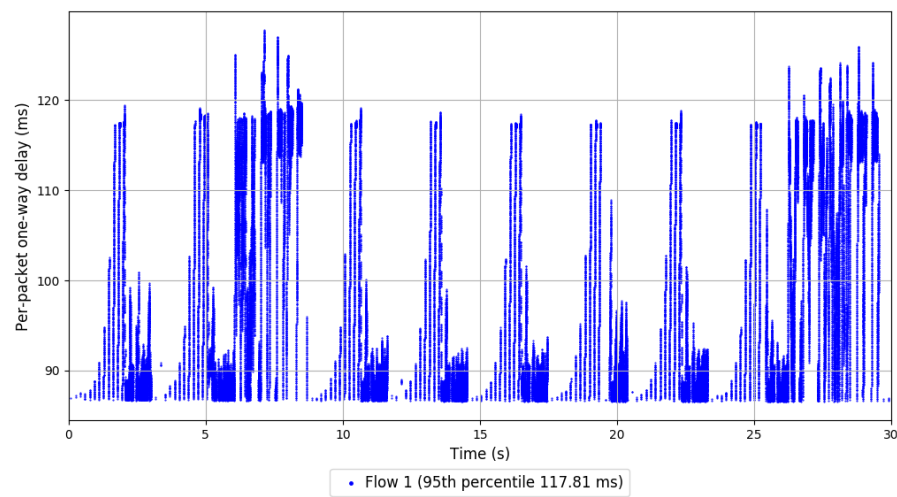
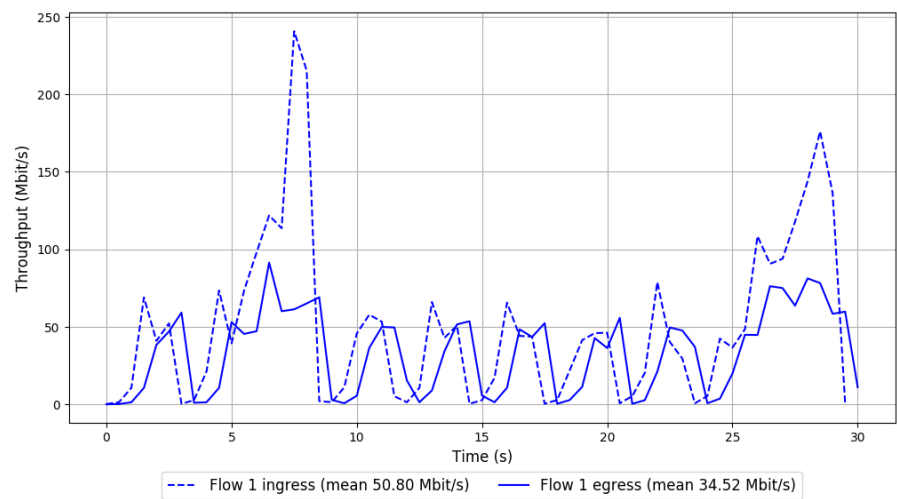


Run 8: Statistics of Verus

Start at: 2018-07-09 22:24:32  
End at: 2018-07-09 22:25:02  
Local clock offset: -0.793 ms  
Remote clock offset: 33.531 ms

# Below is generated by plot.py at 2018-07-09 23:37:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 34.52 Mbit/s  
95th percentile per-packet one-way delay: 117.810 ms  
Loss rate: 32.05%  
-- Flow 1:  
Average throughput: 34.52 Mbit/s  
95th percentile per-packet one-way delay: 117.810 ms  
Loss rate: 32.05%

Run 8: Report of Verus — Data Link



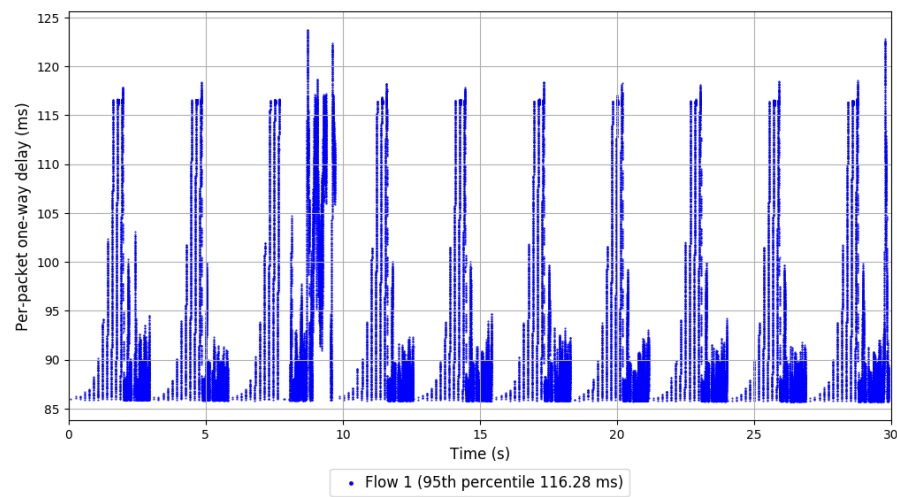
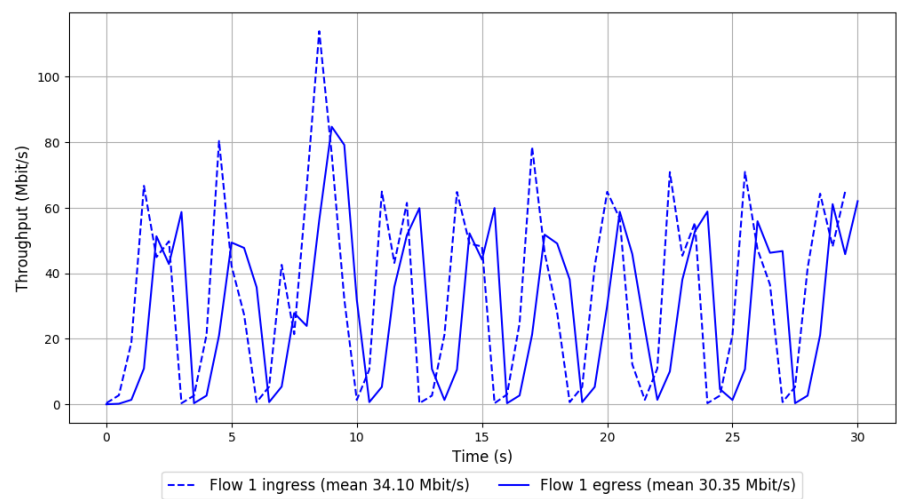
Run 9: Statistics of Verus

Start at: 2018-07-09 22:44:23  
End at: 2018-07-09 22:44:53  
Local clock offset: -0.939 ms  
Remote clock offset: 44.696 ms

# Below is generated by plot.py at 2018-07-09 23:37:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 30.35 Mbit/s  
95th percentile per-packet one-way delay: 116.282 ms  
Loss rate: 10.98%  
-- Flow 1:  
Average throughput: 30.35 Mbit/s  
95th percentile per-packet one-way delay: 116.282 ms  
Loss rate: 10.98%



Run 9: Report of Verus — Data Link

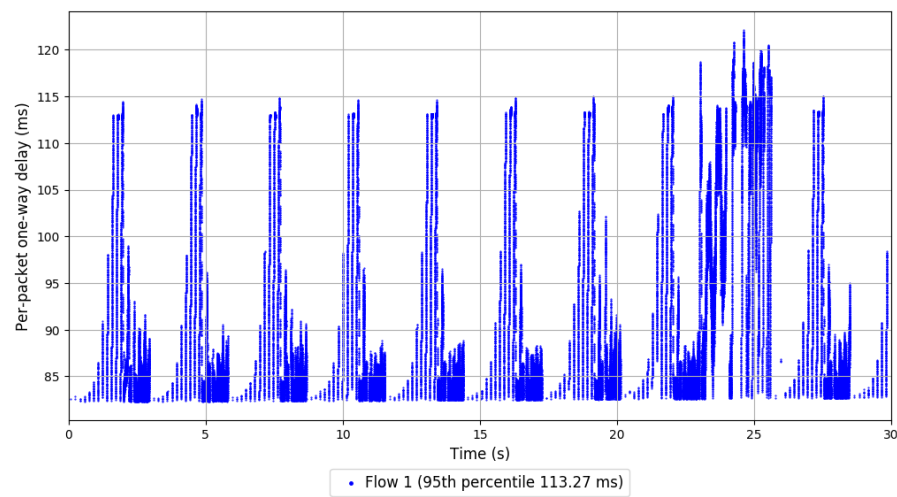
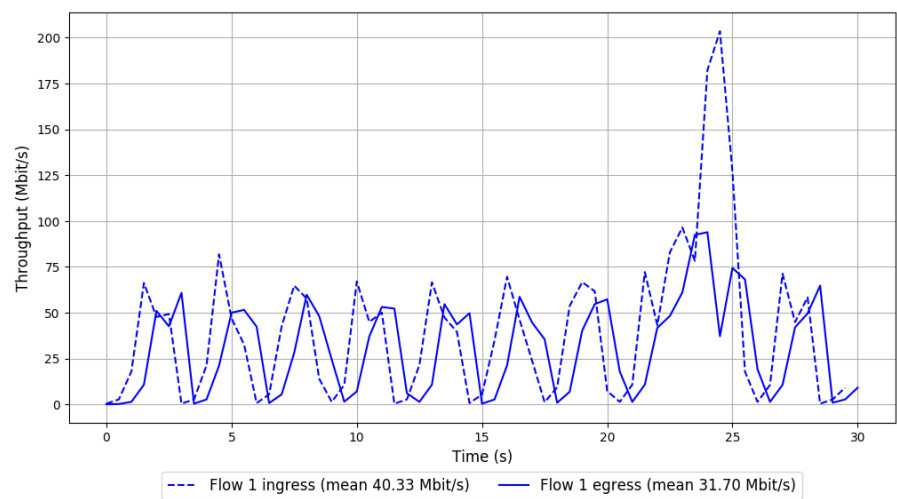


Run 10: Statistics of Verus

Start at: 2018-07-09 23:04:13  
End at: 2018-07-09 23:04:43  
Local clock offset: -0.928 ms  
Remote clock offset: 10.833 ms

# Below is generated by plot.py at 2018-07-09 23:37:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 31.70 Mbit/s  
95th percentile per-packet one-way delay: 113.270 ms  
Loss rate: 21.37%  
-- Flow 1:  
Average throughput: 31.70 Mbit/s  
95th percentile per-packet one-way delay: 113.270 ms  
Loss rate: 21.37%

Run 10: Report of Verus — Data Link



Run 1: Statistics of PCC-Vivace

Start at: 2018-07-09 20:08:42

End at: 2018-07-09 20:09:12

Local clock offset: -0.474 ms

Remote clock offset: 7.887 ms

# Below is generated by plot.py at 2018-07-09 23:37:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.89 Mbit/s

95th percentile per-packet one-way delay: 97.557 ms

Loss rate: 0.07%

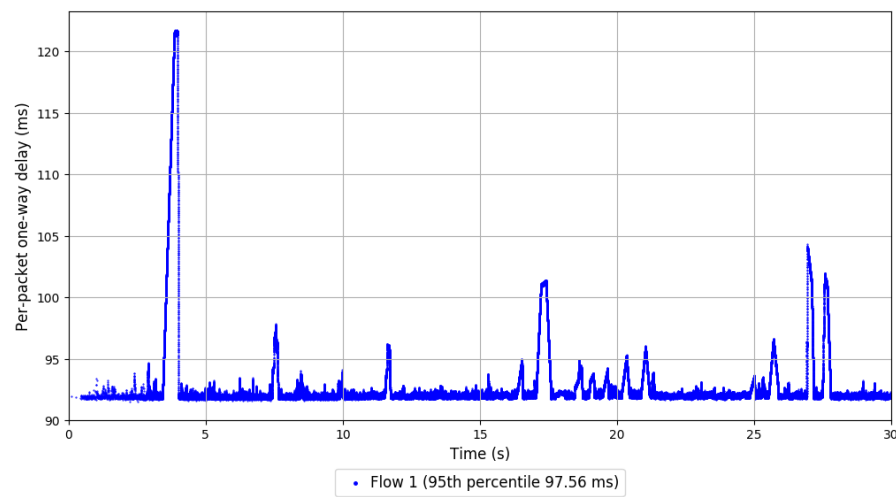
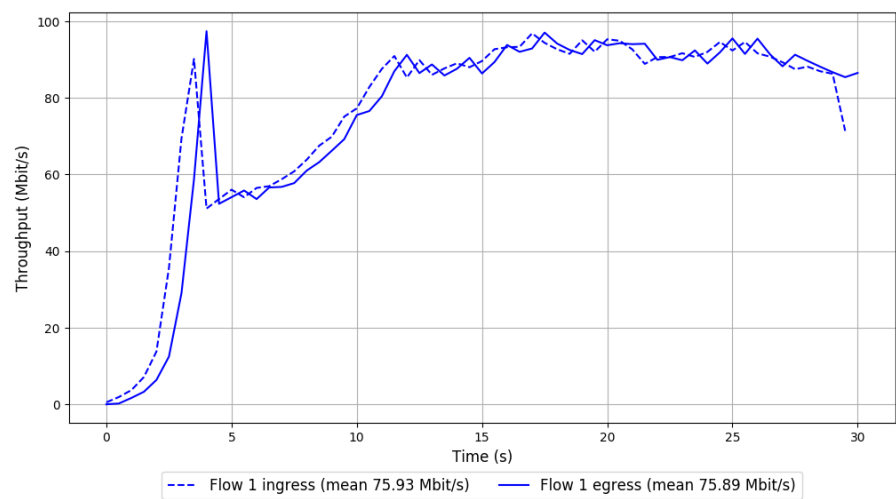
-- Flow 1:

Average throughput: 75.89 Mbit/s

95th percentile per-packet one-way delay: 97.557 ms

Loss rate: 0.07%

Run 1: Report of PCC-Vivace — Data Link



Run 2: Statistics of PCC-Vivace

Start at: 2018-07-09 20:28:36

End at: 2018-07-09 20:29:06

Local clock offset: -0.517 ms

Remote clock offset: 4.169 ms

# Below is generated by plot.py at 2018-07-09 23:37:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.60 Mbit/s

95th percentile per-packet one-way delay: 103.014 ms

Loss rate: 0.10%

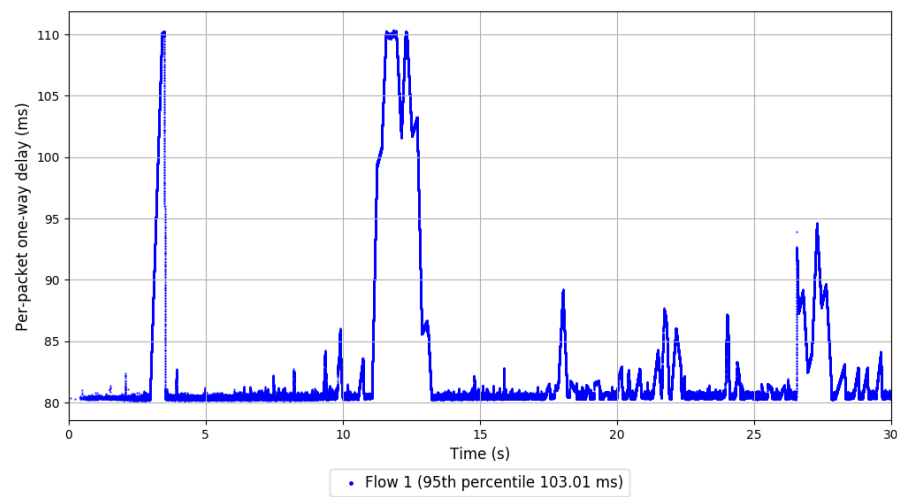
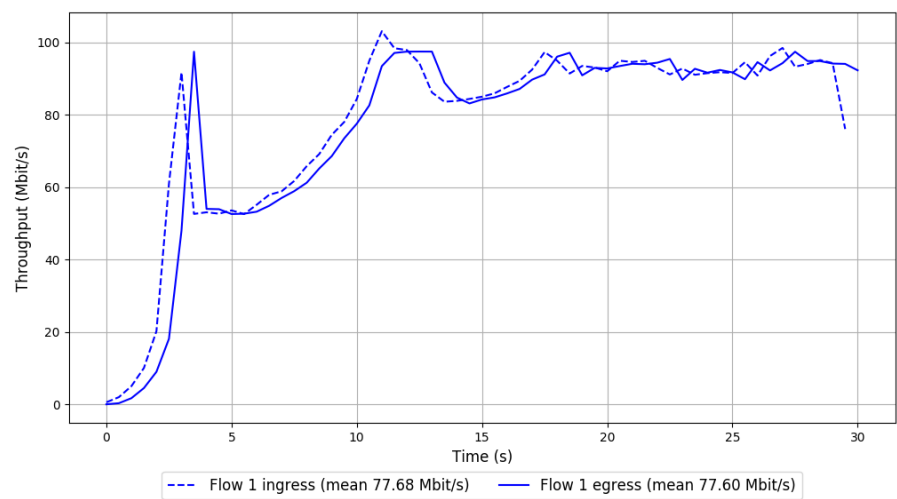
-- Flow 1:

Average throughput: 77.60 Mbit/s

95th percentile per-packet one-way delay: 103.014 ms

Loss rate: 0.10%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-07-09 20:48:29

End at: 2018-07-09 20:48:59

Local clock offset: -0.662 ms

Remote clock offset: 4.146 ms

# Below is generated by plot.py at 2018-07-09 23:37:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.58 Mbit/s

95th percentile per-packet one-way delay: 90.568 ms

Loss rate: 0.03%

-- Flow 1:

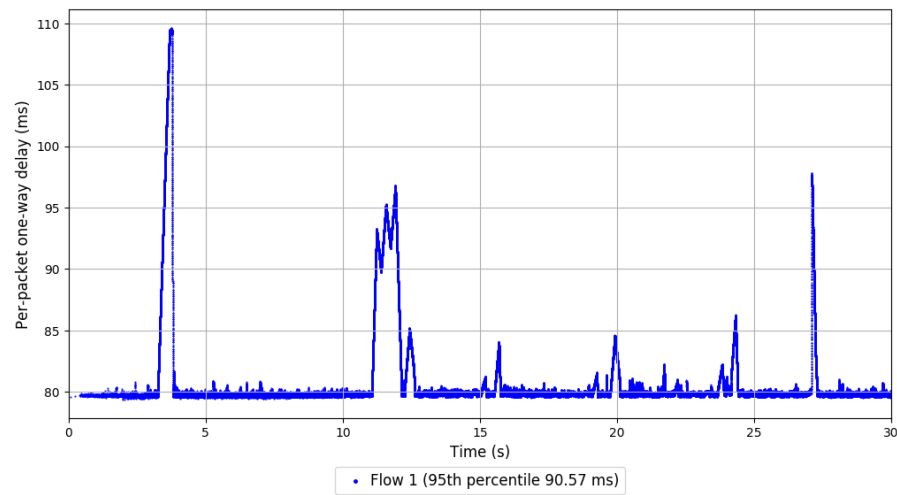
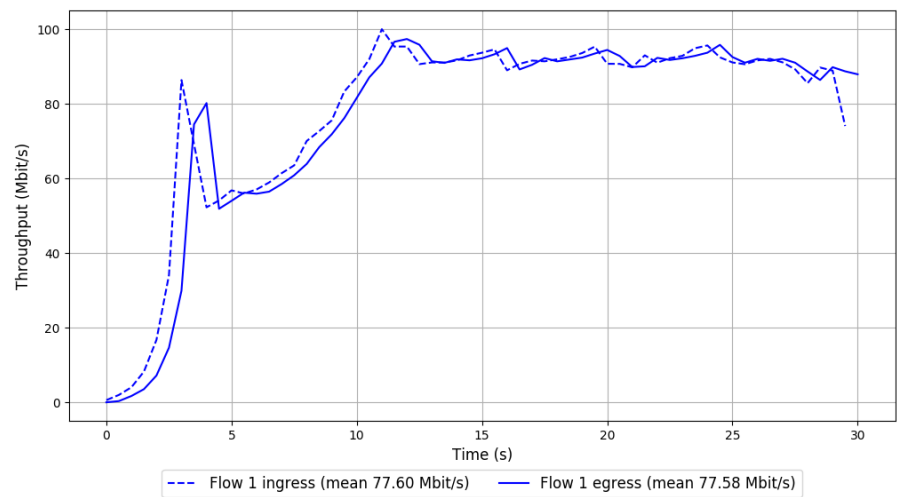
Average throughput: 77.58 Mbit/s

95th percentile per-packet one-way delay: 90.568 ms

Loss rate: 0.03%



Run 3: Report of PCC-Vivace — Data Link

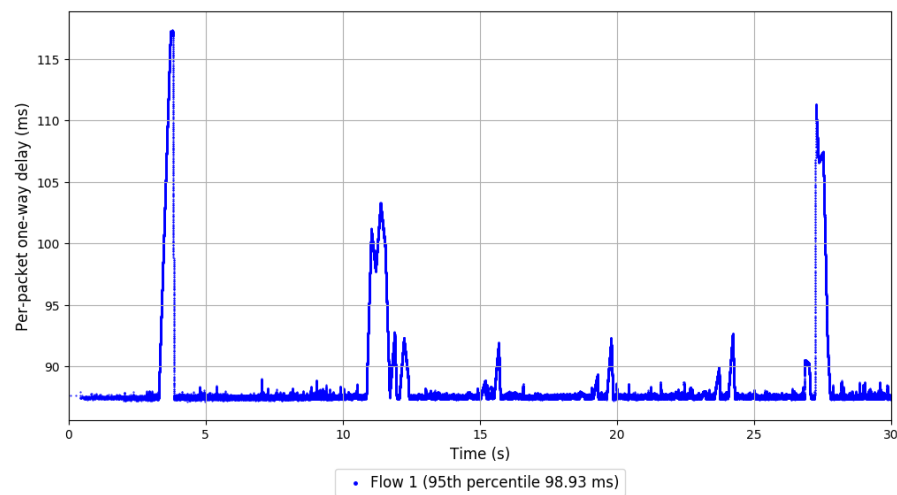
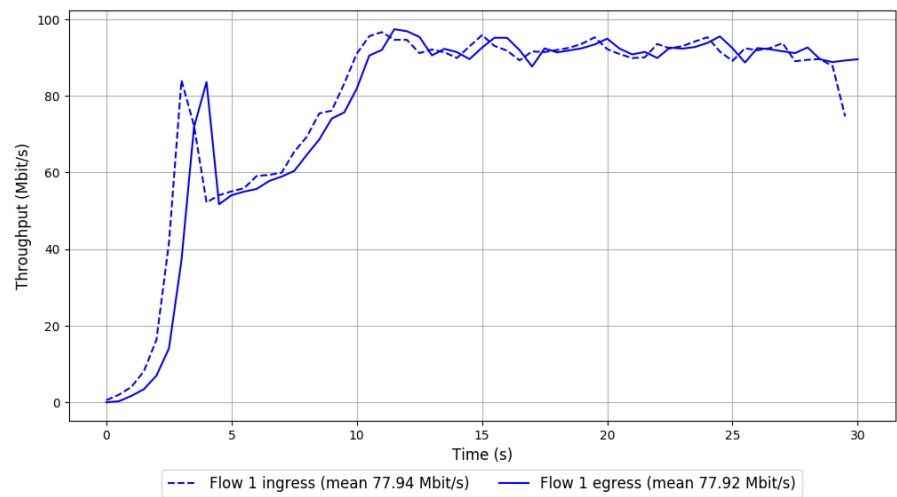


Run 4: Statistics of PCC-Vivace

Start at: 2018-07-09 21:08:22  
End at: 2018-07-09 21:08:52  
Local clock offset: -0.667 ms  
Remote clock offset: 10.662 ms

# Below is generated by plot.py at 2018-07-09 23:37:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.92 Mbit/s  
95th percentile per-packet one-way delay: 98.933 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 77.92 Mbit/s  
95th percentile per-packet one-way delay: 98.933 ms  
Loss rate: 0.03%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2018-07-09 21:28:14

End at: 2018-07-09 21:28:44

Local clock offset: -0.725 ms

Remote clock offset: 6.166 ms

# Below is generated by plot.py at 2018-07-09 23:37:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.76 Mbit/s

95th percentile per-packet one-way delay: 88.936 ms

Loss rate: 0.03%

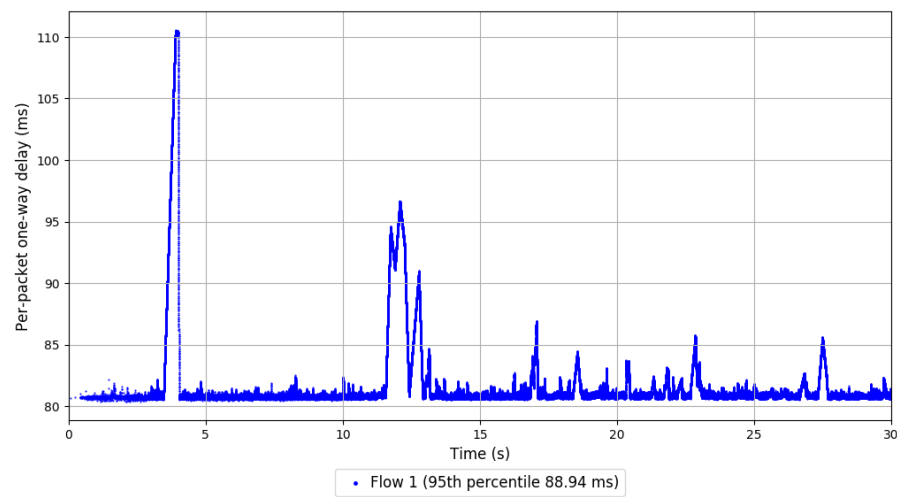
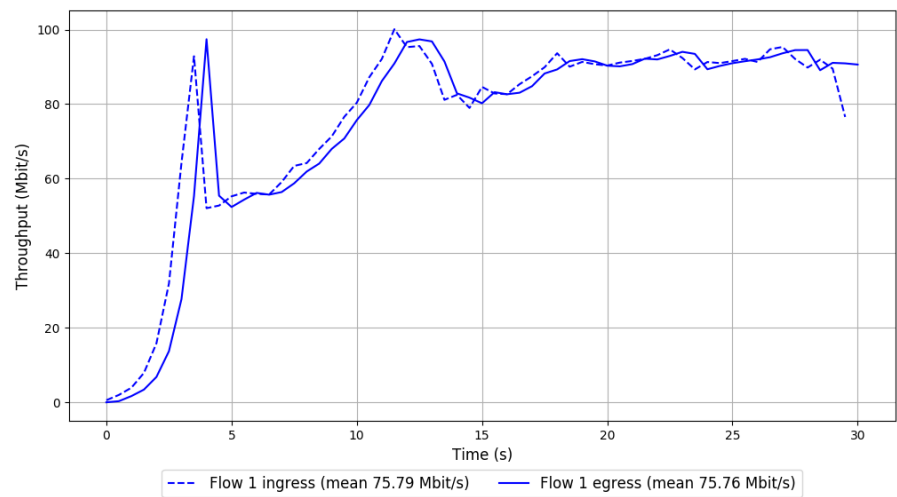
-- Flow 1:

Average throughput: 75.76 Mbit/s

95th percentile per-packet one-way delay: 88.936 ms

Loss rate: 0.03%

Run 5: Report of PCC-Vivace — Data Link

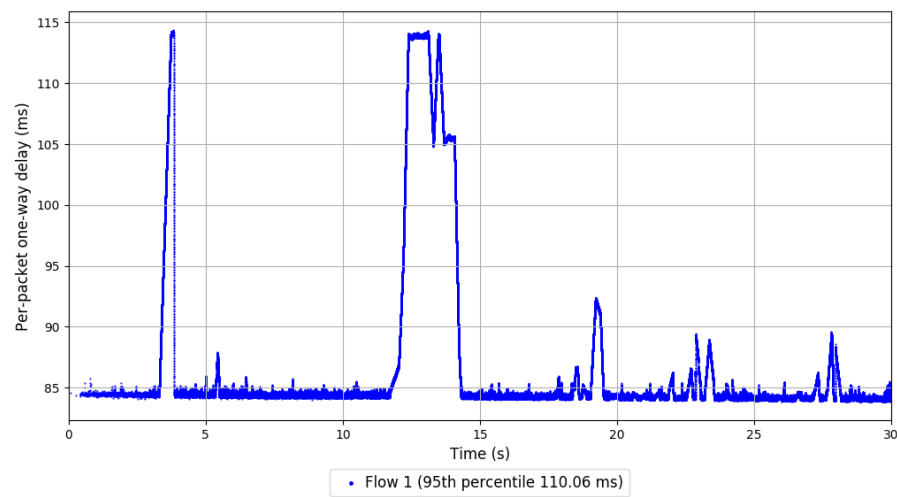
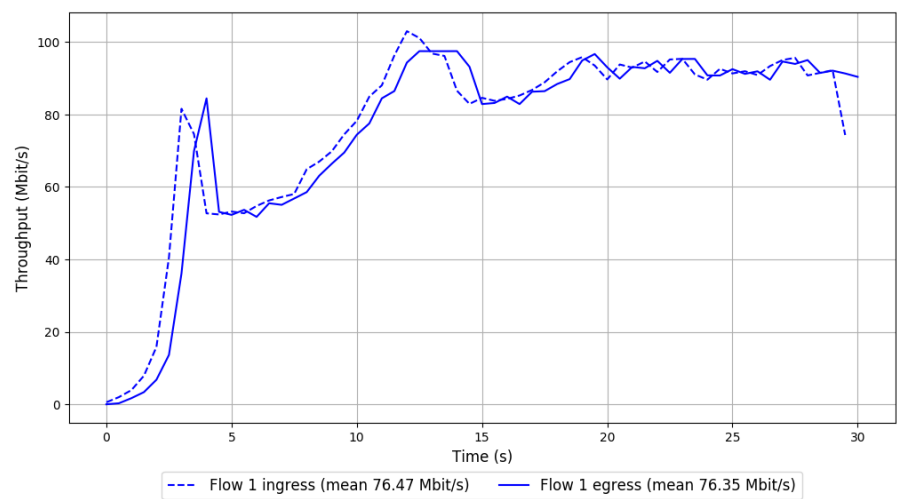


Run 6: Statistics of PCC-Vivace

Start at: 2018-07-09 21:48:09  
End at: 2018-07-09 21:48:39  
Local clock offset: -0.741 ms  
Remote clock offset: 21.807 ms

# Below is generated by plot.py at 2018-07-09 23:37:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.35 Mbit/s  
95th percentile per-packet one-way delay: 110.060 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 76.35 Mbit/s  
95th percentile per-packet one-way delay: 110.060 ms  
Loss rate: 0.16%

Run 6: Report of PCC-Vivace — Data Link



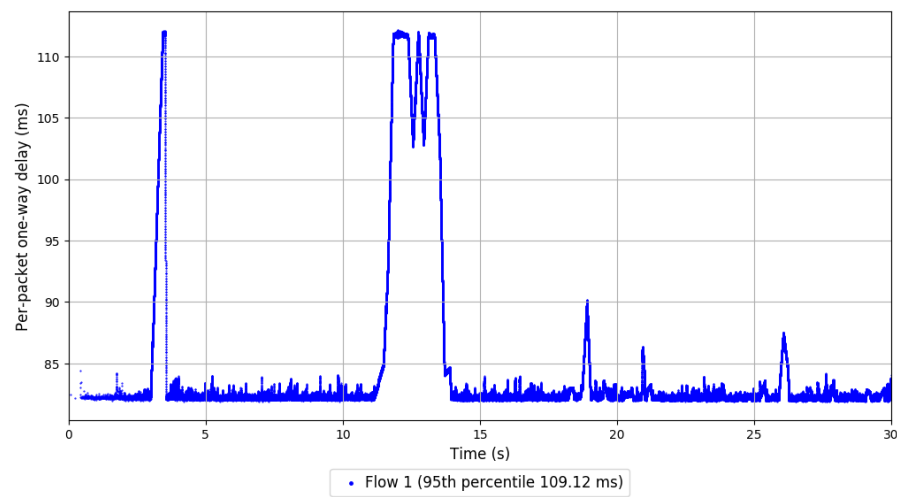
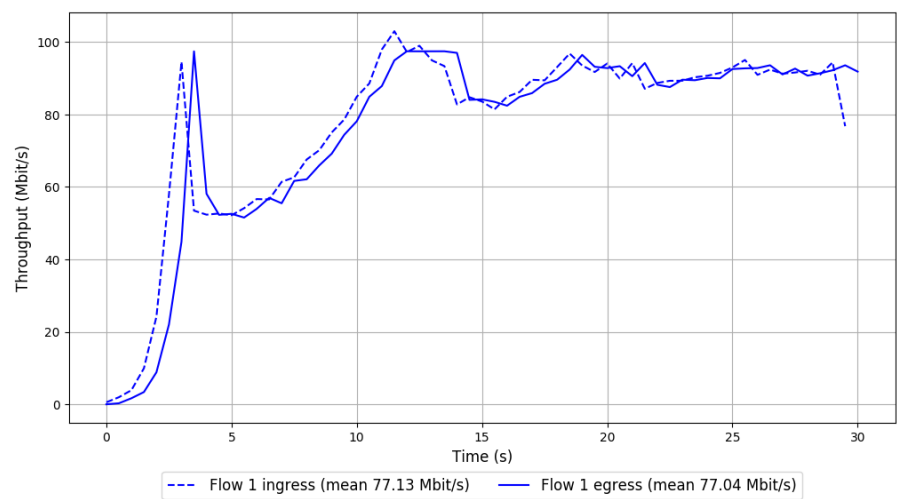
Run 7: Statistics of PCC-Vivace

Start at: 2018-07-09 22:08:05  
End at: 2018-07-09 22:08:35  
Local clock offset: -0.805 ms  
Remote clock offset: 29.186 ms

# Below is generated by plot.py at 2018-07-09 23:37:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.04 Mbit/s  
95th percentile per-packet one-way delay: 109.116 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 77.04 Mbit/s  
95th percentile per-packet one-way delay: 109.116 ms  
Loss rate: 0.11%



Run 7: Report of PCC-Vivace — Data Link

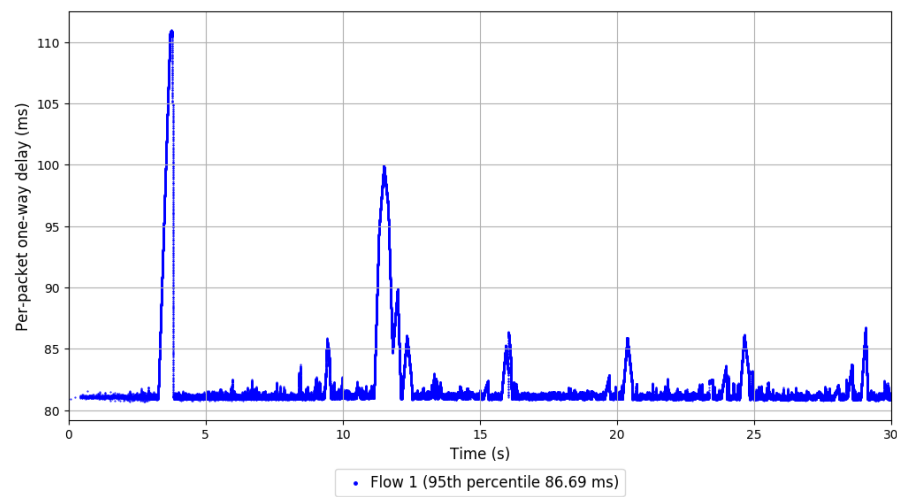
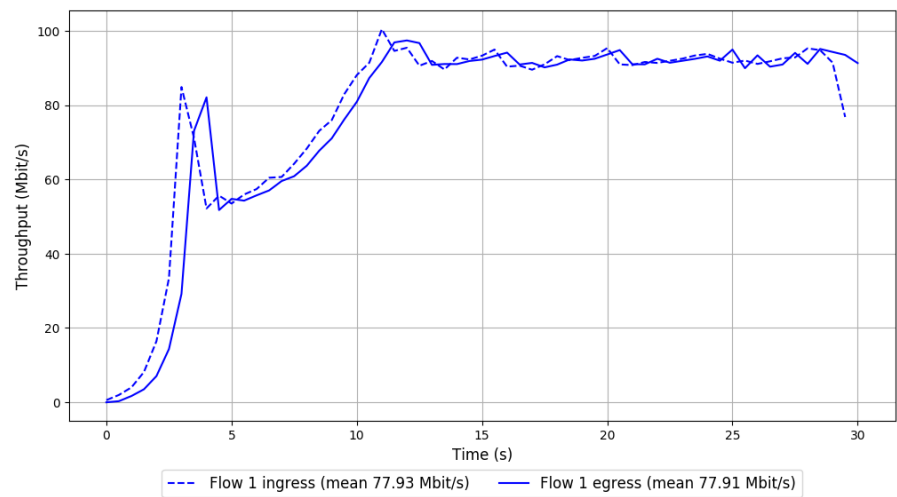


Run 8: Statistics of PCC-Vivace

Start at: 2018-07-09 22:28:00  
End at: 2018-07-09 22:28:30  
Local clock offset: -0.809 ms  
Remote clock offset: 35.746 ms

# Below is generated by plot.py at 2018-07-09 23:37:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.91 Mbit/s  
95th percentile per-packet one-way delay: 86.692 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 77.91 Mbit/s  
95th percentile per-packet one-way delay: 86.692 ms  
Loss rate: 0.03%

Run 8: Report of PCC-Vivace — Data Link

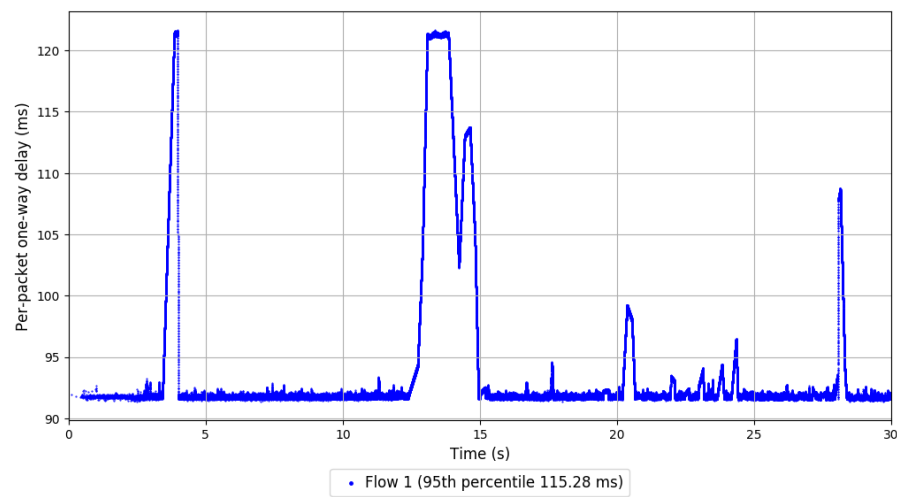
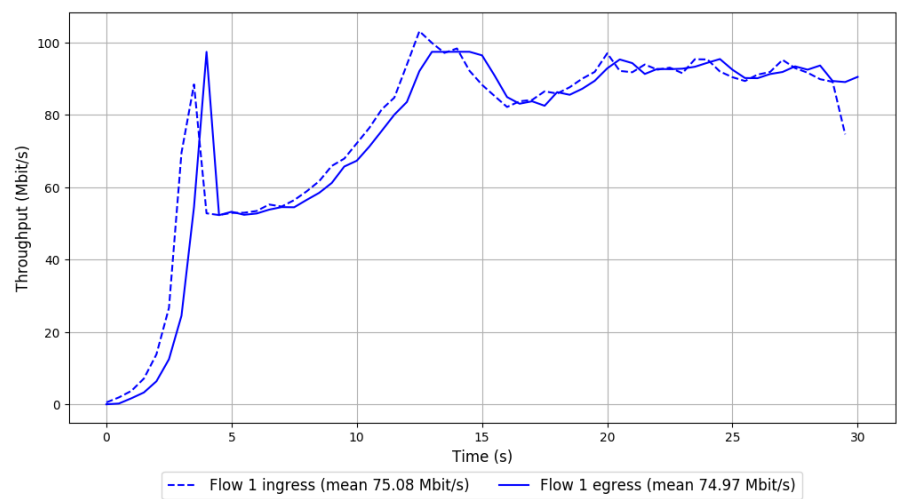


Run 9: Statistics of PCC-Vivace

Start at: 2018-07-09 22:47:49  
End at: 2018-07-09 22:48:19  
Local clock offset: -0.89 ms  
Remote clock offset: 45.678 ms

# Below is generated by plot.py at 2018-07-09 23:37:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.97 Mbit/s  
95th percentile per-packet one-way delay: 115.280 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 74.97 Mbit/s  
95th percentile per-packet one-way delay: 115.280 ms  
Loss rate: 0.17%

Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-07-09 23:07:39

End at: 2018-07-09 23:08:09

Local clock offset: -0.913 ms

Remote clock offset: 7.057 ms

# Below is generated by plot.py at 2018-07-09 23:37:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.74 Mbit/s

95th percentile per-packet one-way delay: 102.592 ms

Loss rate: 0.12%

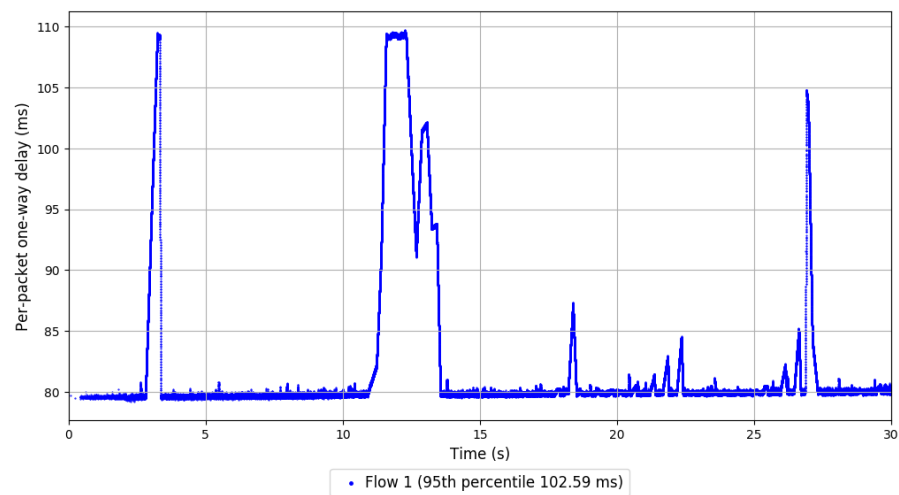
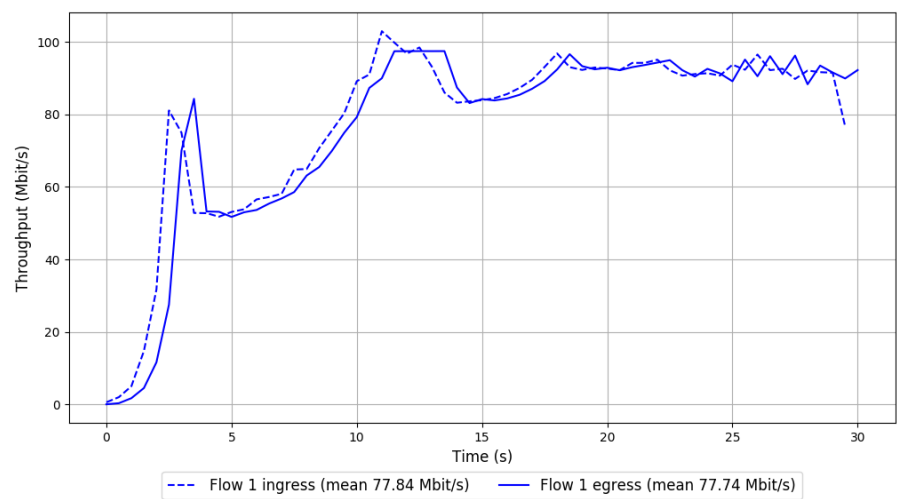
-- Flow 1:

Average throughput: 77.74 Mbit/s

95th percentile per-packet one-way delay: 102.592 ms

Loss rate: 0.12%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-07-09 20:07:35

End at: 2018-07-09 20:08:05

Local clock offset: -0.488 ms

Remote clock offset: 2.95 ms

# Below is generated by plot.py at 2018-07-09 23:37:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 80.899 ms

Loss rate: 0.00%

-- Flow 1:

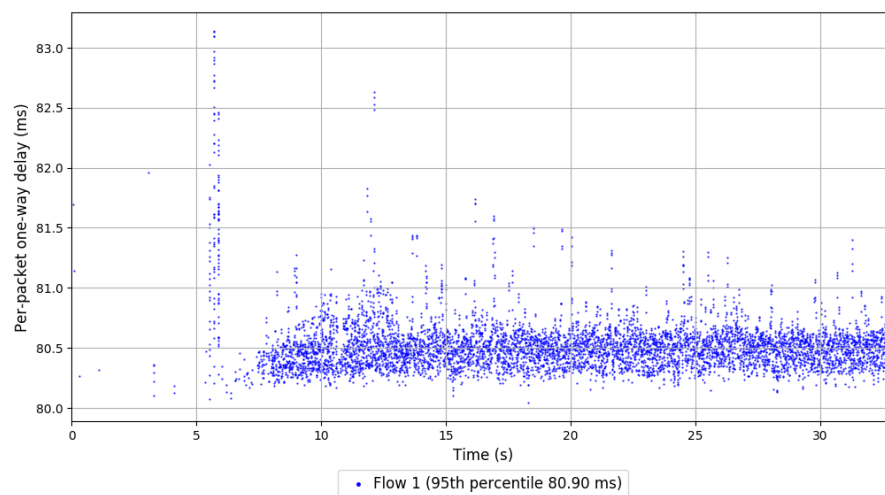
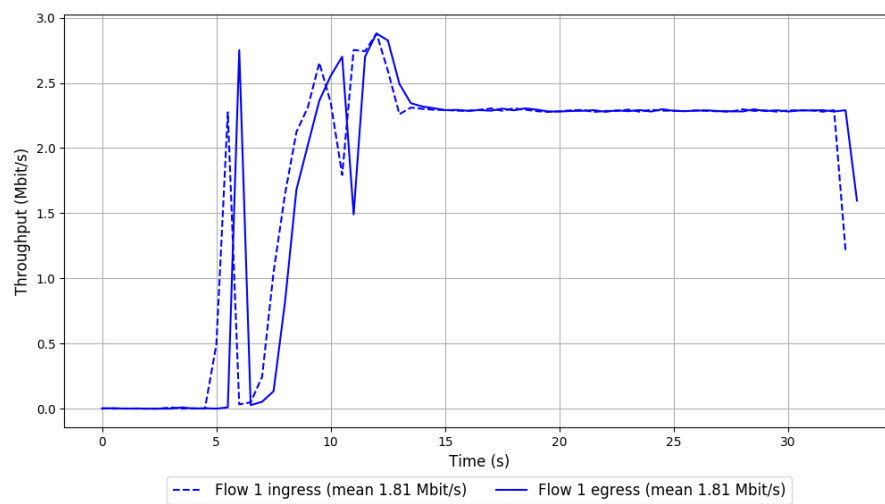
Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 80.899 ms

Loss rate: 0.00%



# Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-07-09 20:27:29

End at: 2018-07-09 20:27:59

Local clock offset: -0.581 ms

Remote clock offset: 2.979 ms

# Below is generated by plot.py at 2018-07-09 23:37:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 80.795 ms

Loss rate: 0.00%

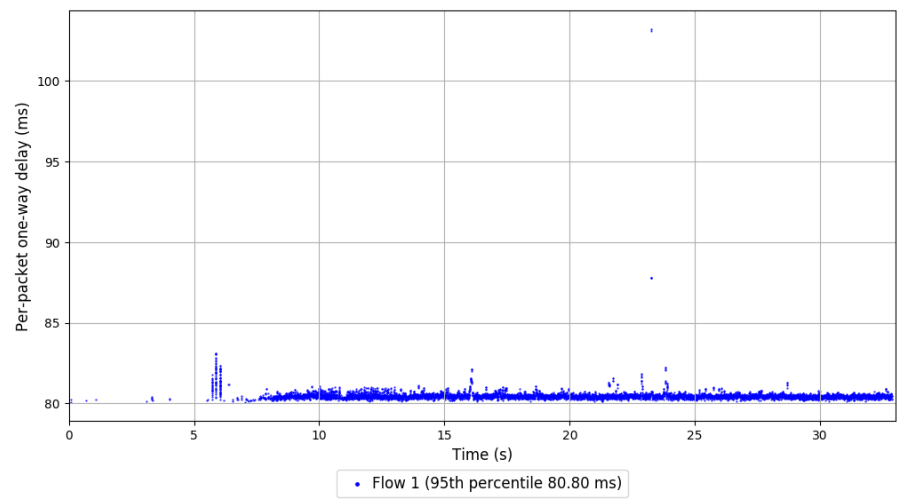
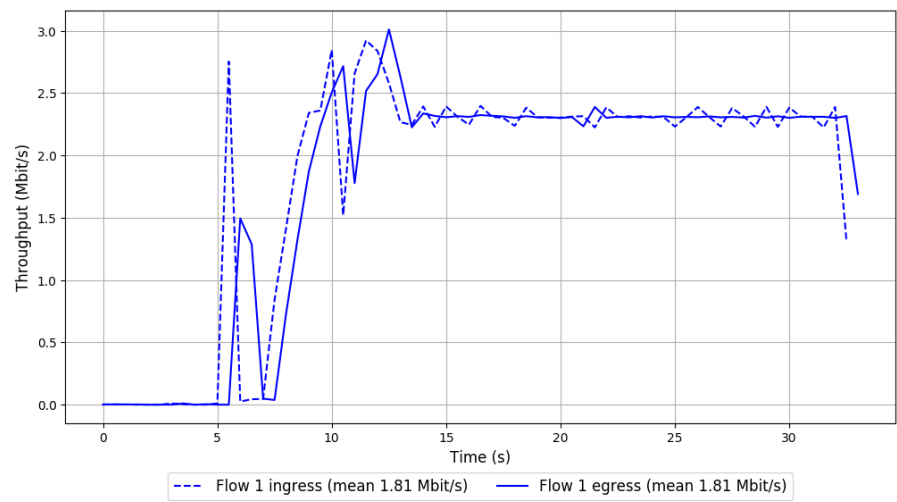
-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 80.795 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-07-09 20:47:22

End at: 2018-07-09 20:47:52

Local clock offset: -0.604 ms

Remote clock offset: 5.15 ms

# Below is generated by plot.py at 2018-07-09 23:37:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 80.975 ms

Loss rate: 0.00%

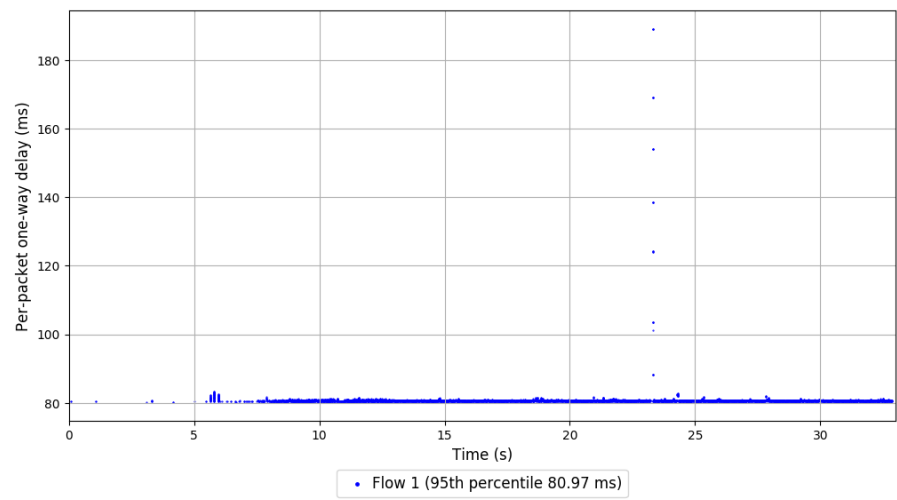
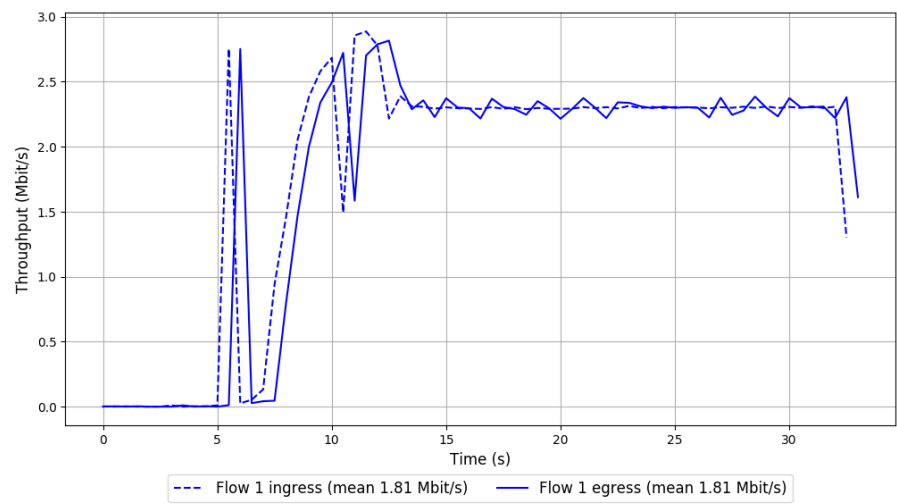
-- Flow 1:

Average throughput: 1.81 Mbit/s

95th percentile per-packet one-way delay: 80.975 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-07-09 21:07:16

End at: 2018-07-09 21:07:46

Local clock offset: -0.662 ms

Remote clock offset: 5.552 ms

# Below is generated by plot.py at 2018-07-09 23:37:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 82.629 ms

Loss rate: 0.00%

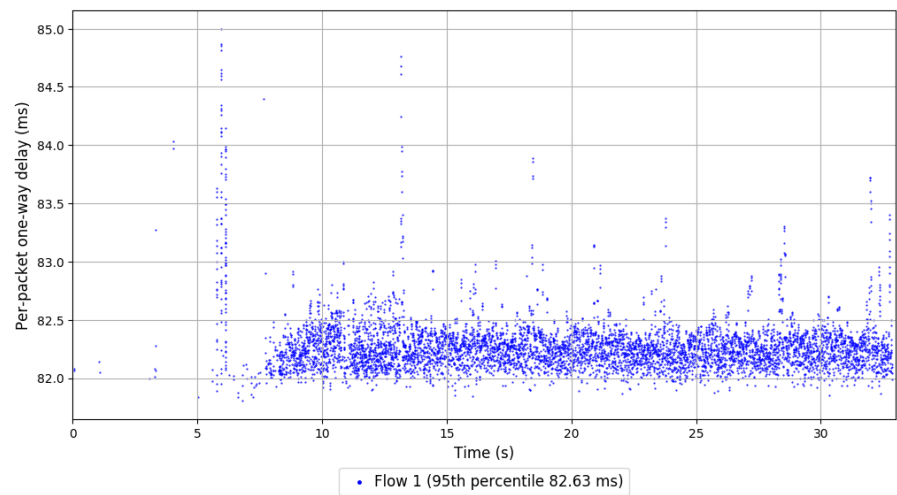
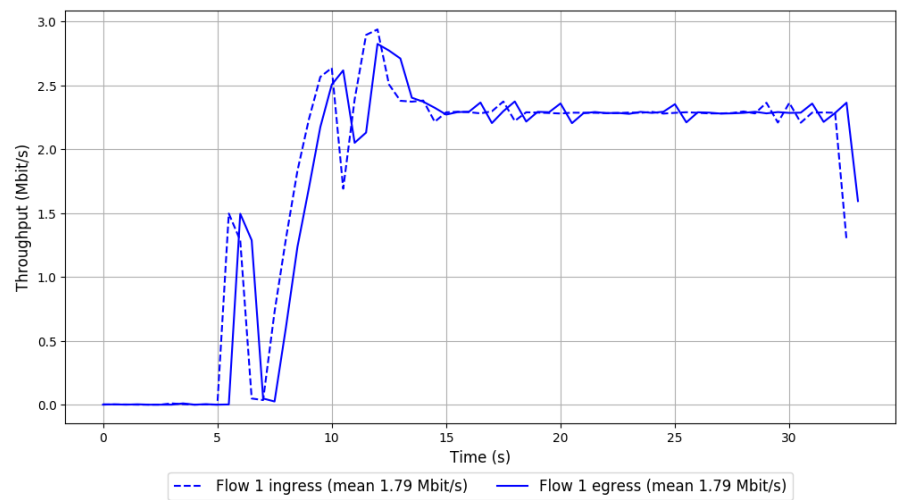
-- Flow 1:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 82.629 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-07-09 21:27:08

End at: 2018-07-09 21:27:38

Local clock offset: -0.706 ms

Remote clock offset: 6.21 ms

# Below is generated by plot.py at 2018-07-09 23:37:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 83.833 ms

Loss rate: 0.00%

-- Flow 1:

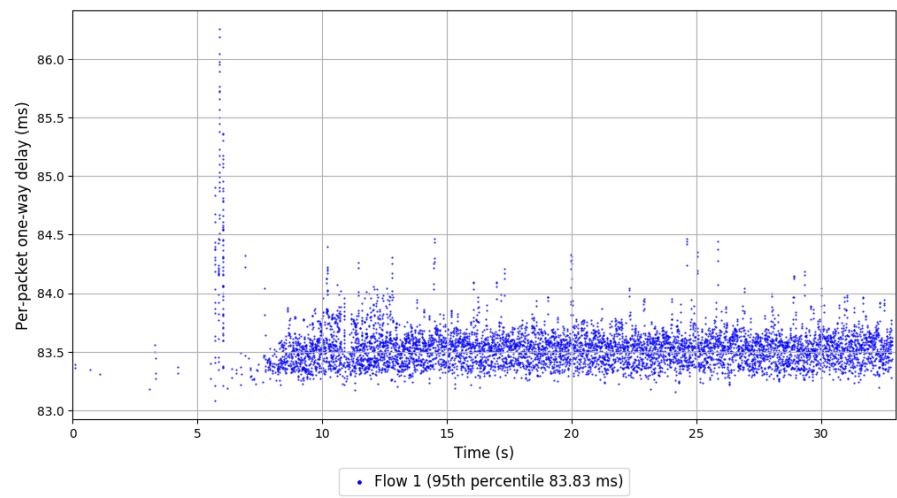
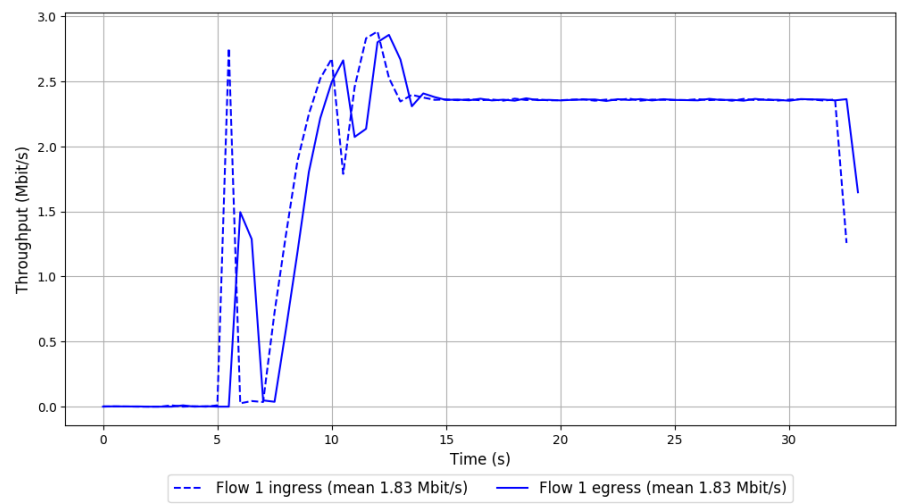
Average throughput: 1.83 Mbit/s

95th percentile per-packet one-way delay: 83.833 ms

Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link

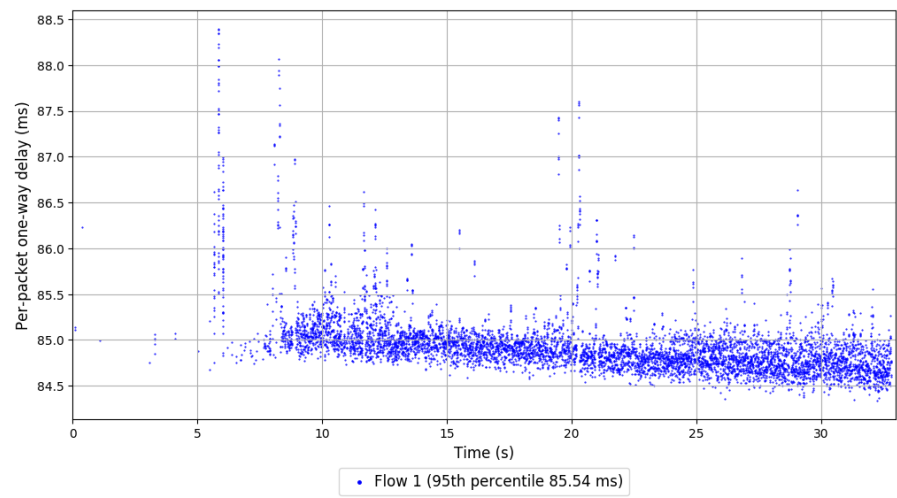
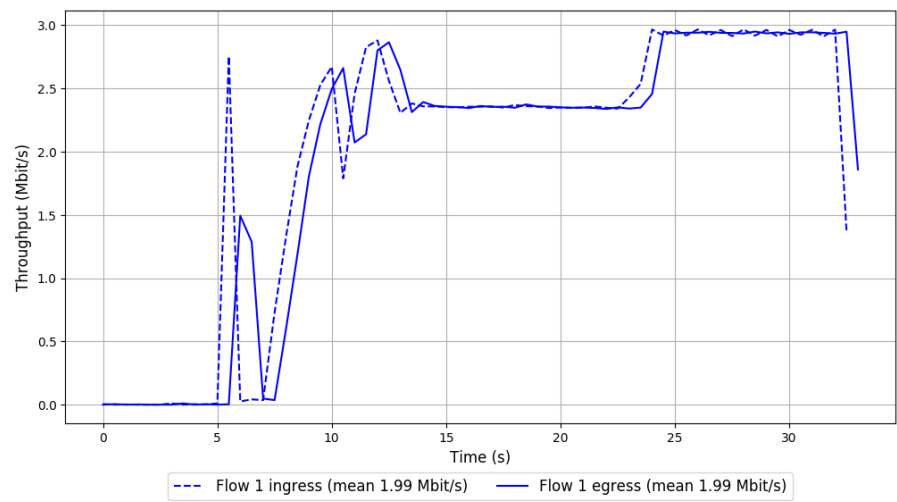


Run 6: Statistics of WebRTC media

Start at: 2018-07-09 21:47:03  
End at: 2018-07-09 21:47:33  
Local clock offset: -0.695 ms  
Remote clock offset: 15.507 ms

# Below is generated by plot.py at 2018-07-09 23:37:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.99 Mbit/s  
95th percentile per-packet one-way delay: 85.536 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 1.99 Mbit/s  
95th percentile per-packet one-way delay: 85.536 ms  
Loss rate: 0.07%

Run 6: Report of WebRTC media — Data Link

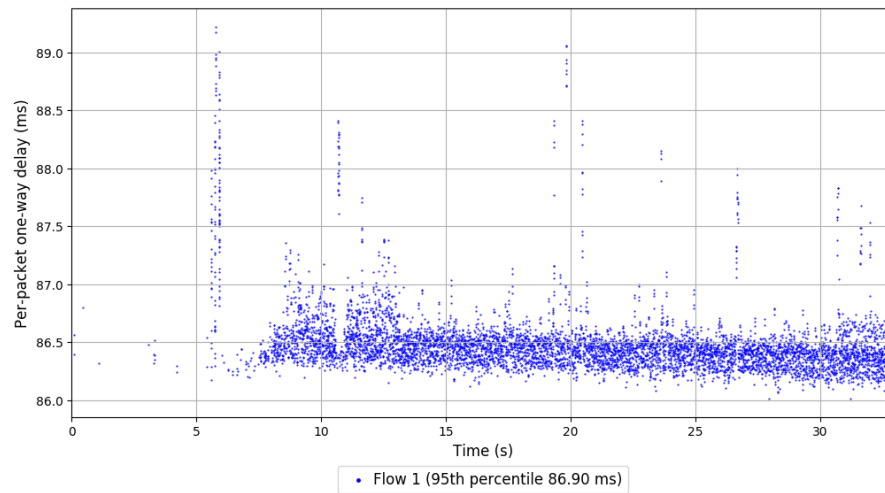
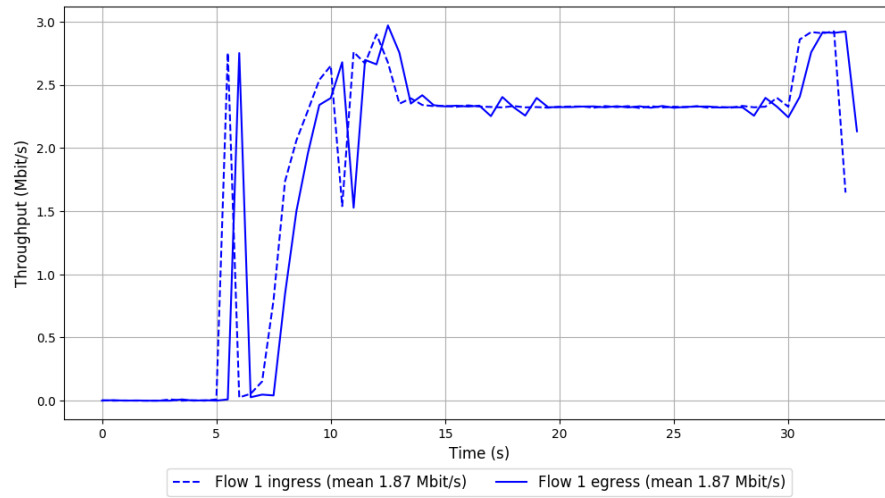


Run 7: Statistics of WebRTC media

Start at: 2018-07-09 22:06:58  
End at: 2018-07-09 22:07:28  
Local clock offset: -0.753 ms  
Remote clock offset: 32.687 ms

# Below is generated by plot.py at 2018-07-09 23:37:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.87 Mbit/s  
95th percentile per-packet one-way delay: 86.898 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 1.87 Mbit/s  
95th percentile per-packet one-way delay: 86.898 ms  
Loss rate: 0.06%

## Run 7: Report of WebRTC media — Data Link

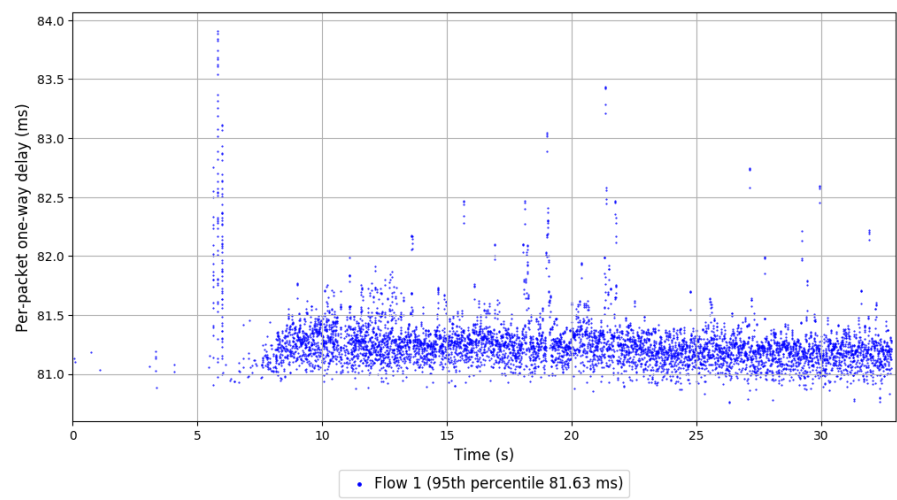
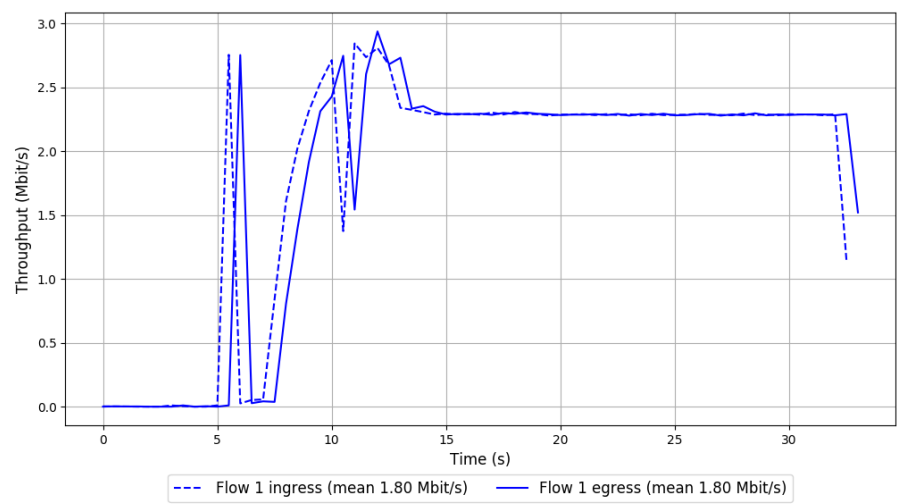


Run 8: Statistics of WebRTC media

Start at: 2018-07-09 22:26:53  
End at: 2018-07-09 22:27:23  
Local clock offset: -0.805 ms  
Remote clock offset: 34.278 ms

# Below is generated by plot.py at 2018-07-09 23:37:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.80 Mbit/s  
95th percentile per-packet one-way delay: 81.629 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.80 Mbit/s  
95th percentile per-packet one-way delay: 81.629 ms  
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



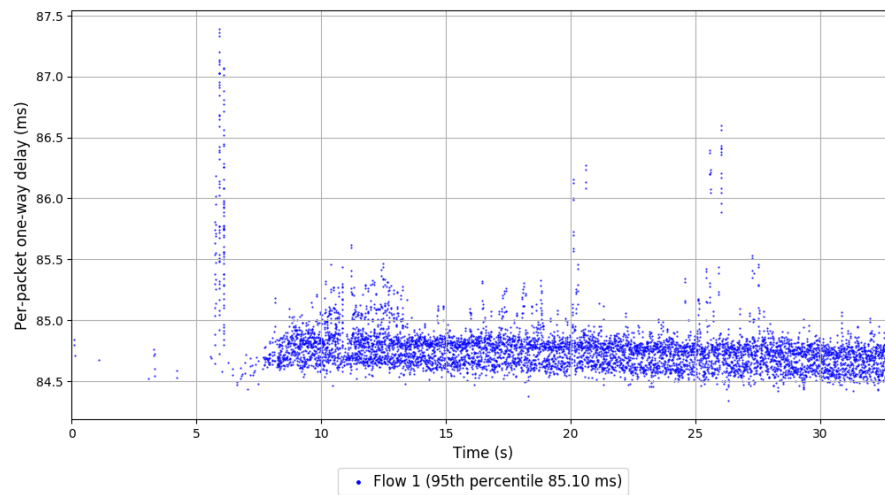
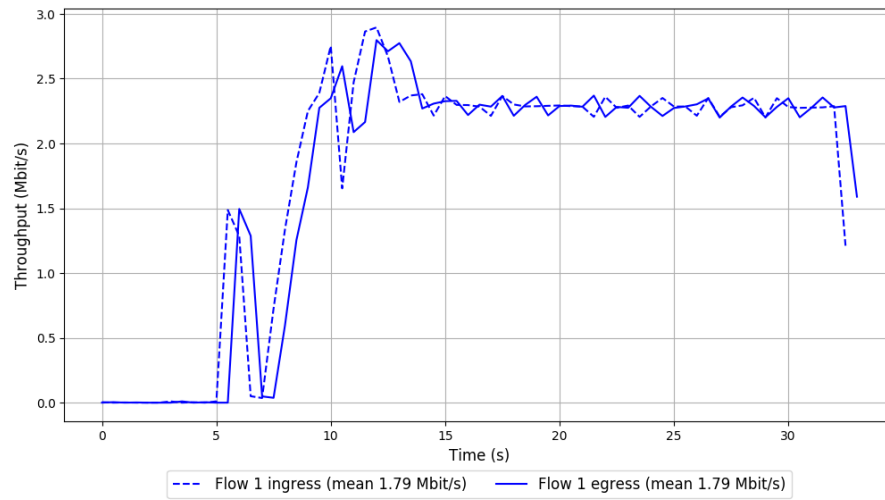
Run 9: Statistics of WebRTC media

Start at: 2018-07-09 22:46:42  
End at: 2018-07-09 22:47:12  
Local clock offset: -0.887 ms  
Remote clock offset: 44.139 ms

# Below is generated by plot.py at 2018-07-09 23:37:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.79 Mbit/s  
95th percentile per-packet one-way delay: 85.096 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.79 Mbit/s  
95th percentile per-packet one-way delay: 85.096 ms  
Loss rate: 0.00%



### Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-07-09 23:06:32

End at: 2018-07-09 23:07:02

Local clock offset: -0.952 ms

Remote clock offset: 7.799 ms

# Below is generated by plot.py at 2018-07-09 23:37:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 83.958 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 83.958 ms

Loss rate: 0.02%

### Run 10: Report of WebRTC media — Data Link

