

## Pantheon Report

Generated at 2018-01-09 04:06:47 (UTC).

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

Repeated the test of 14 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).

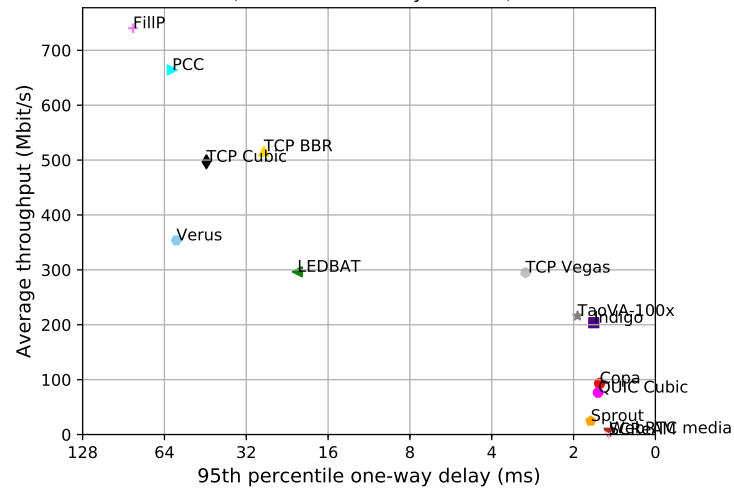
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

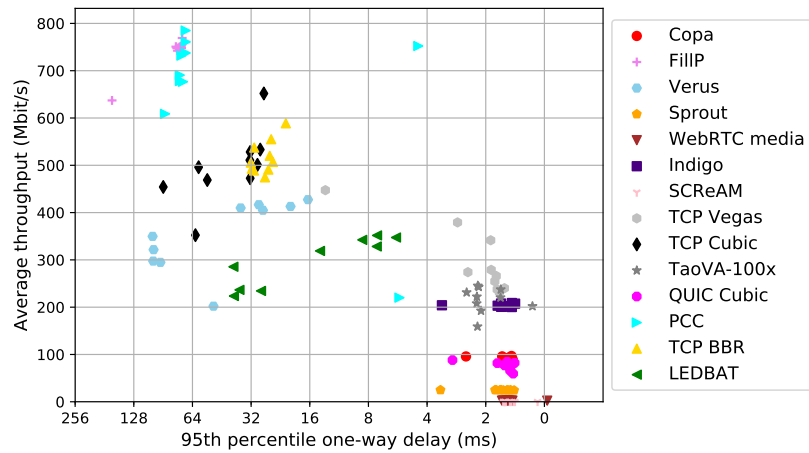
Git summary:

```
branch: master @ 56d1792c316a5efca3f2d21342905405fedffb48
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ ec9585325218d5048c4d4152fa42240af54c6e67
third_party/genericCC @ 80b516c448f795fd6e9675f7177b69c622f07da8
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from Stanford Ethernet to AWS California 1 Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from Stanford Ethernet to AWS California 1 Ethernet, 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     | 516.17                           | 27.58                               | 0.11                         |
| TCP Cubic    | 10     | 496.88                           | 44.85                               | 0.13                         |
| LEDBAT       | 9      | 296.51                           | 20.77                               | 0.10                         |
| PCC          | 10     | 664.17                           | 59.94                               | 2.78                         |
| QUIC Cubic   | 10     | 76.59                            | 1.40                                | 0.06                         |
| SCReAM       | 10     | 0.22                             | 1.14                                | 0.13                         |
| WebRTC media | 10     | 2.38                             | 1.13                                | 0.08                         |
| Sprout       | 10     | 24.71                            | 1.58                                | 0.07                         |
| TaoVA-100x   | 10     | 216.08                           | 1.90                                | 0.05                         |
| TCP Vegas    | 10     | 295.11                           | 3.01                                | 0.07                         |
| Verus        | 10     | 353.75                           | 57.87                               | 1.14                         |
| Copa         | 10     | 93.19                            | 1.36                                | 0.06                         |
| FillP        | 10     | 740.19                           | 83.53                               | 14.46                        |
| Indigo       | 10     | 203.75                           | 1.51                                | 0.07                         |

Run 1: Statistics of TCP BBR

Start at: 2018-01-08 19:07:50  
End at: 2018-01-08 19:08:20  
Local clock offset: -16.577 ms  
Remote clock offset: -1.189 ms

# Below is generated by plot.py at 2018-01-09 01:57:09

# Datalink statistics

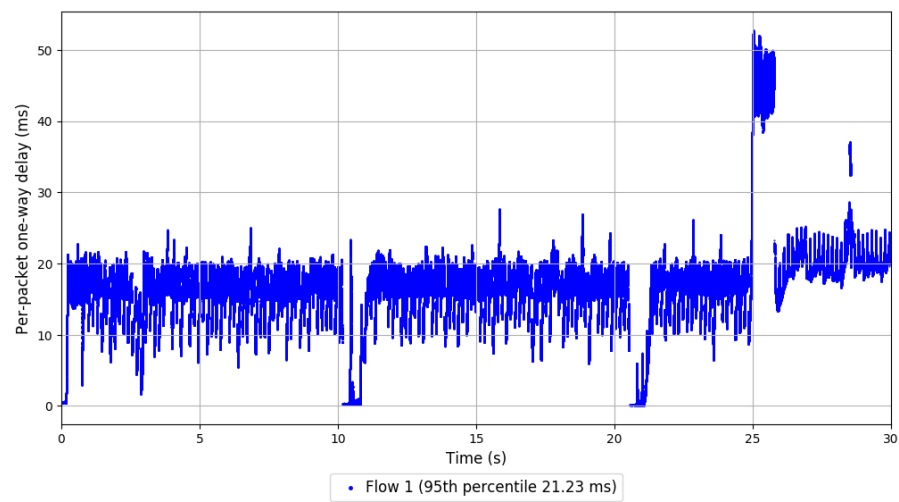
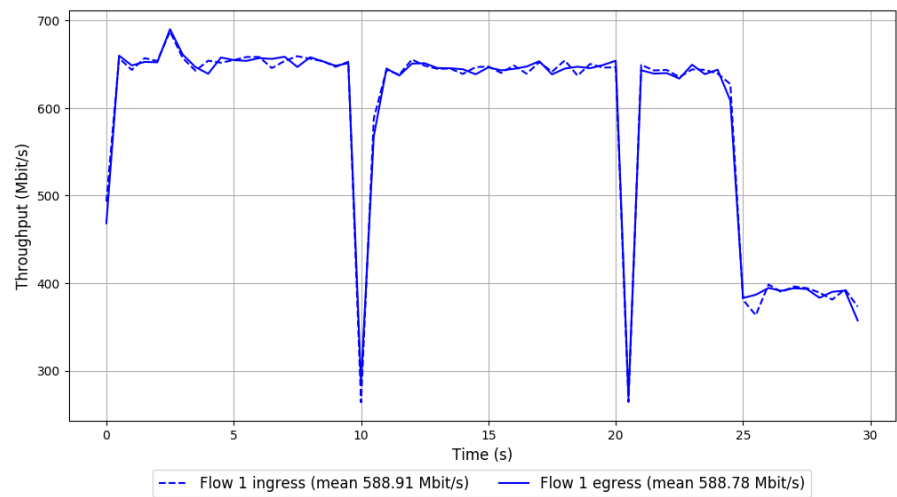
-- Total of 1 flow:

Average throughput: 588.78 Mbit/s  
95th percentile per-packet one-way delay: 21.233 ms  
Loss rate: 0.09%

-- Flow 1:

Average throughput: 588.78 Mbit/s  
95th percentile per-packet one-way delay: 21.233 ms  
Loss rate: 0.09%

Run 1: Report of TCP BBR — Data Link

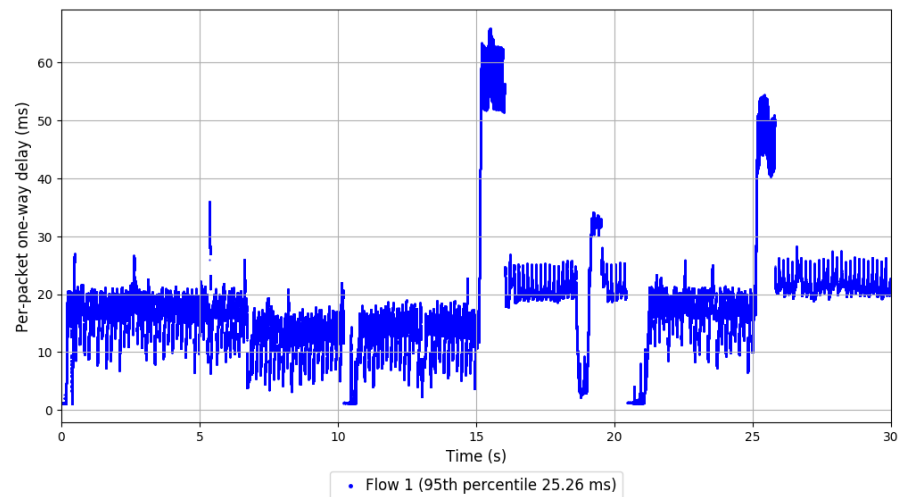
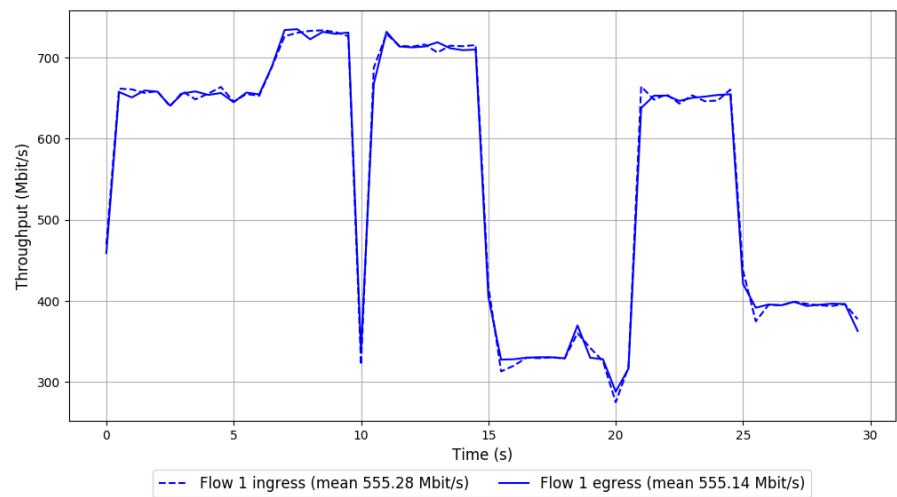


Run 2: Statistics of TCP BBR

Start at: 2018-01-08 19:28:10  
End at: 2018-01-08 19:28:40  
Local clock offset: -5.354 ms  
Remote clock offset: -0.533 ms

# Below is generated by plot.py at 2018-01-09 01:57:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 555.14 Mbit/s  
95th percentile per-packet one-way delay: 25.257 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 555.14 Mbit/s  
95th percentile per-packet one-way delay: 25.257 ms  
Loss rate: 0.09%

Run 2: Report of TCP BBR — Data Link

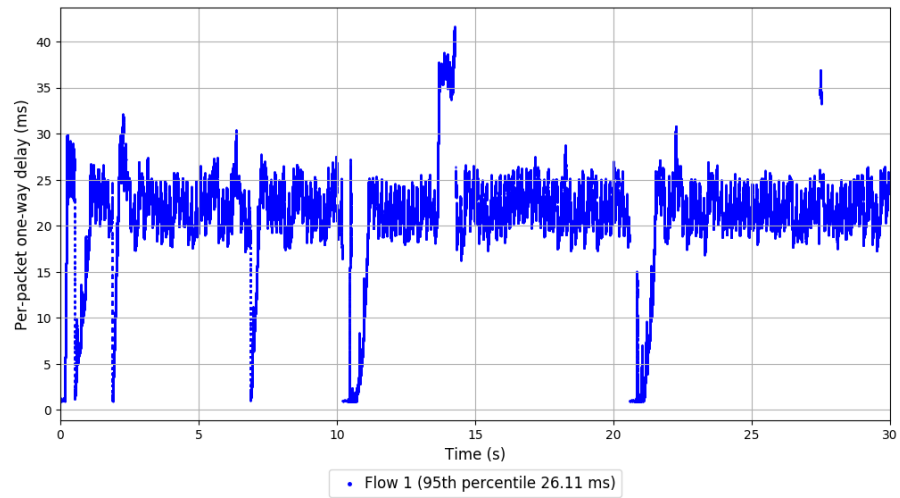
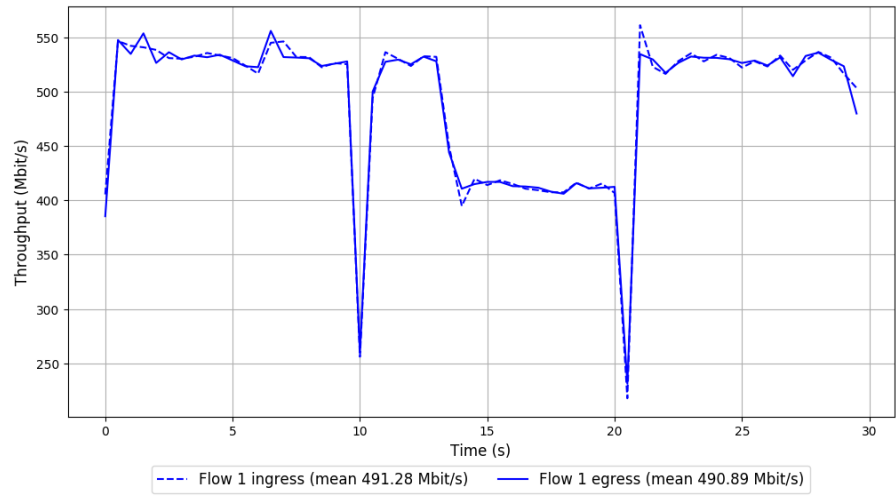


Run 3: Statistics of TCP BBR

Start at: 2018-01-08 19:48:31  
End at: 2018-01-08 19:49:01  
Local clock offset: -7.126 ms  
Remote clock offset: -0.475 ms

# Below is generated by plot.py at 2018-01-09 01:57:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 490.89 Mbit/s  
95th percentile per-packet one-way delay: 26.110 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 490.89 Mbit/s  
95th percentile per-packet one-way delay: 26.110 ms  
Loss rate: 0.14%

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

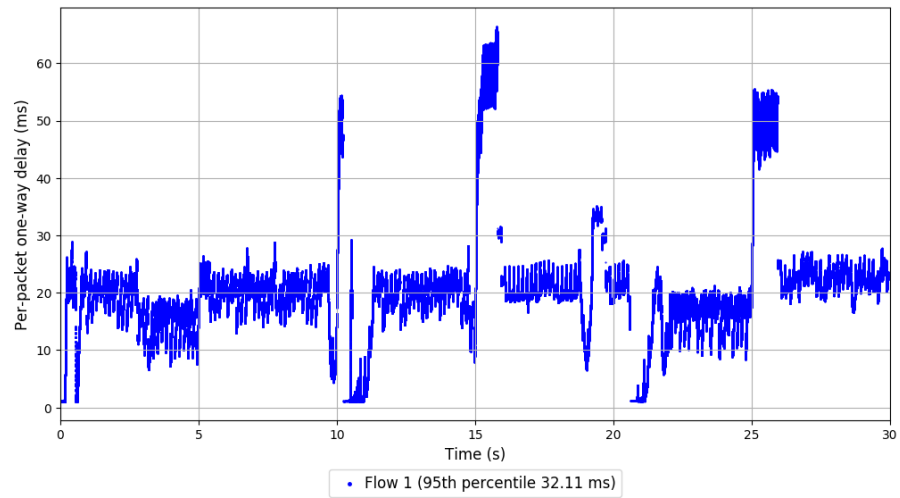
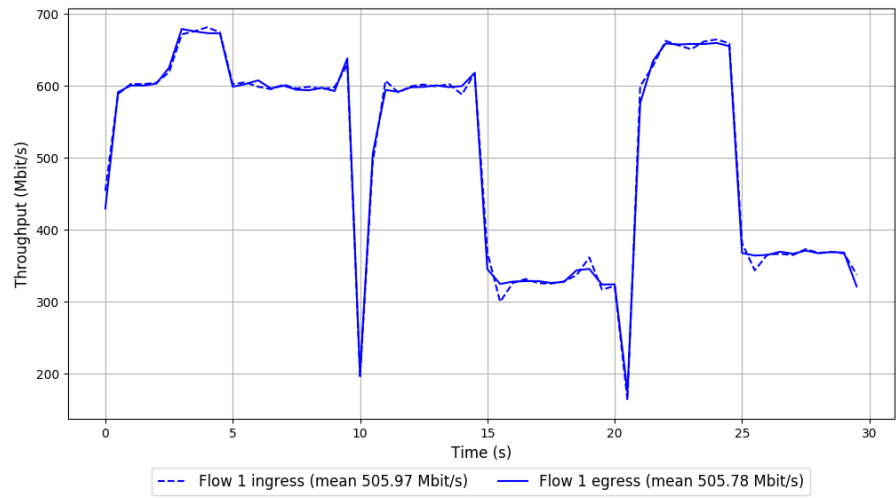


Run 4: Statistics of TCP BBR

Start at: 2018-01-08 20:08:50  
End at: 2018-01-08 20:09:20  
Local clock offset: -9.459 ms  
Remote clock offset: -0.158 ms

# Below is generated by plot.py at 2018-01-09 01:57:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 505.78 Mbit/s  
95th percentile per-packet one-way delay: 32.110 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 505.78 Mbit/s  
95th percentile per-packet one-way delay: 32.110 ms  
Loss rate: 0.11%

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

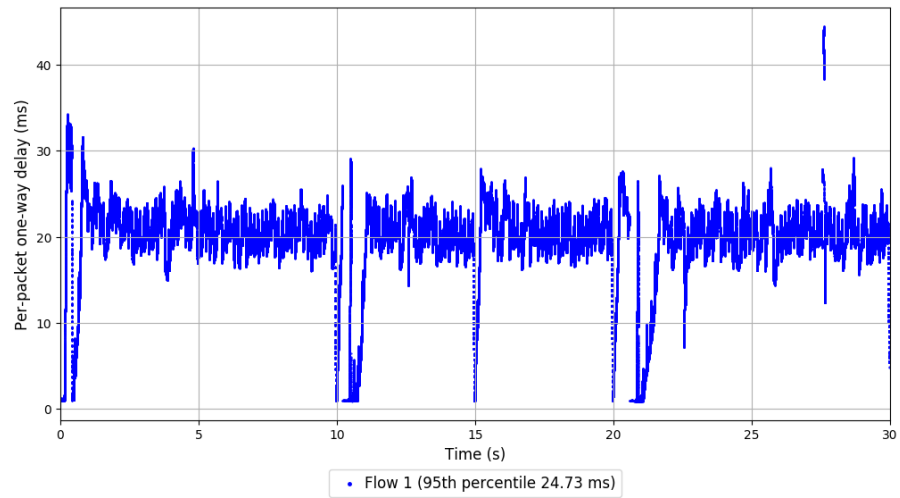
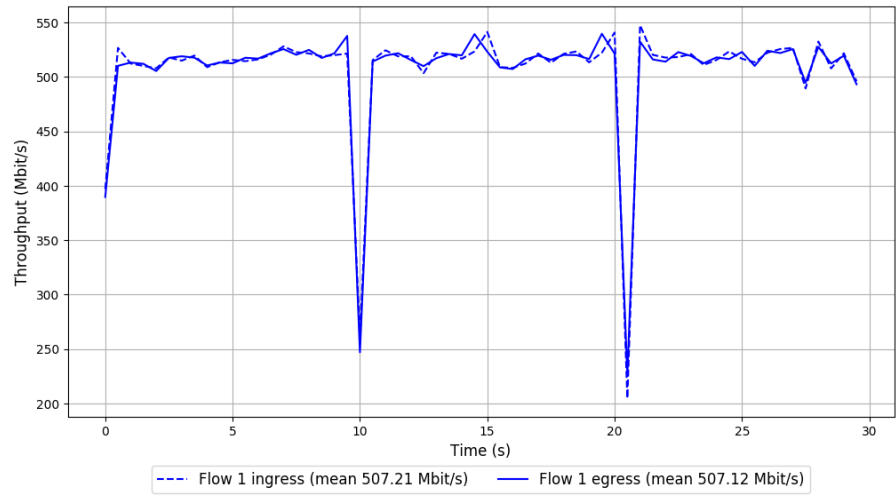


Run 5: Statistics of TCP BBR

Start at: 2018-01-08 20:28:48  
End at: 2018-01-08 20:29:18  
Local clock offset: -11.312 ms  
Remote clock offset: -0.617 ms

# Below is generated by plot.py at 2018-01-09 01:57:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 507.12 Mbit/s  
95th percentile per-packet one-way delay: 24.725 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 507.12 Mbit/s  
95th percentile per-packet one-way delay: 24.725 ms  
Loss rate: 0.08%

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

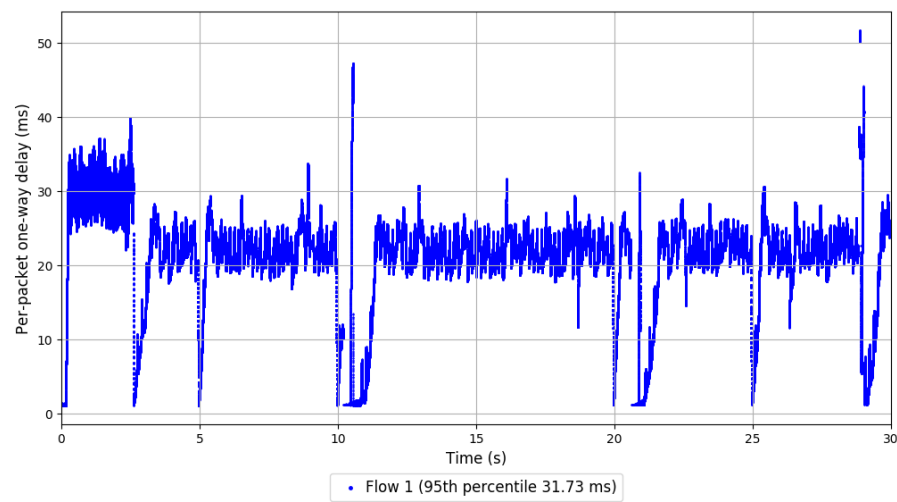
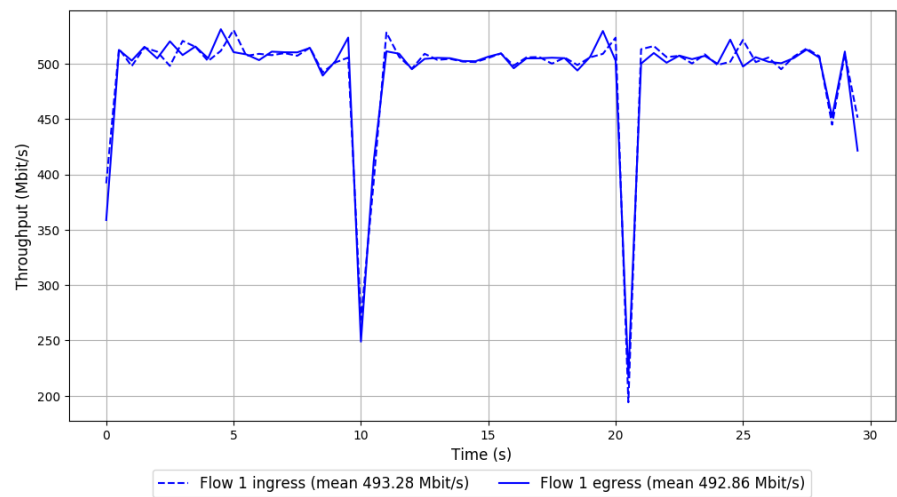


Run 6: Statistics of TCP BBR

Start at: 2018-01-08 20:49:15  
End at: 2018-01-08 20:49:45  
Local clock offset: -11.646 ms  
Remote clock offset: -0.938 ms

# Below is generated by plot.py at 2018-01-09 01:57:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 492.86 Mbit/s  
95th percentile per-packet one-way delay: 31.730 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 492.86 Mbit/s  
95th percentile per-packet one-way delay: 31.730 ms  
Loss rate: 0.15%

Run 6: Report of TCP BBR — Data Link

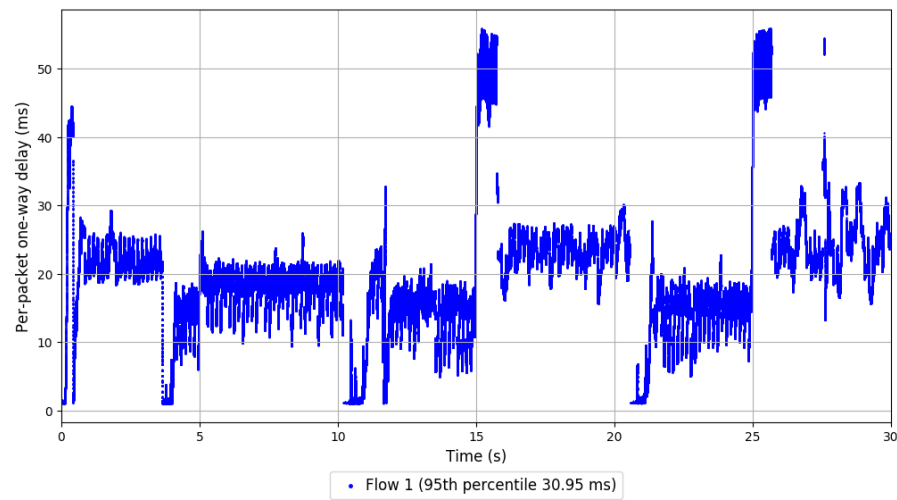
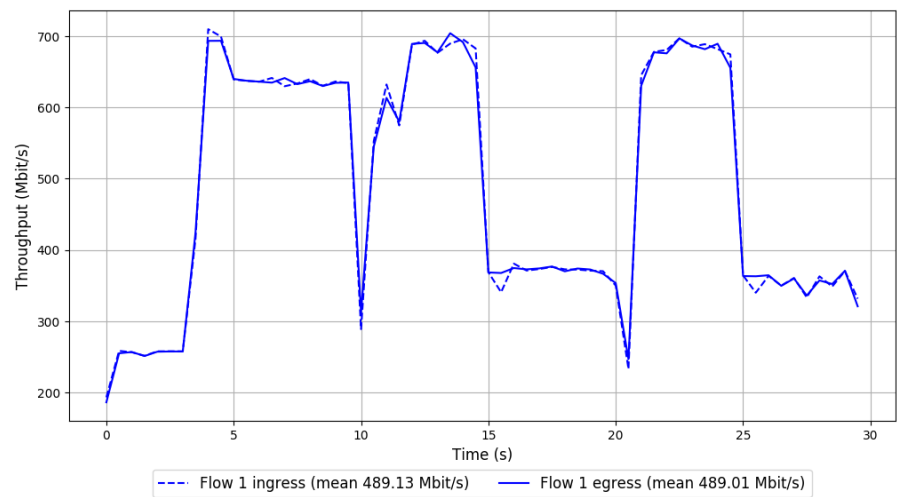


Run 7: Statistics of TCP BBR

Start at: 2018-01-08 21:09:49  
End at: 2018-01-08 21:10:19  
Local clock offset: -14.037 ms  
Remote clock offset: -1.648 ms

# Below is generated by plot.py at 2018-01-09 01:57:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 489.01 Mbit/s  
95th percentile per-packet one-way delay: 30.952 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 489.01 Mbit/s  
95th percentile per-packet one-way delay: 30.952 ms  
Loss rate: 0.09%

Run 7: Report of TCP BBR — Data Link

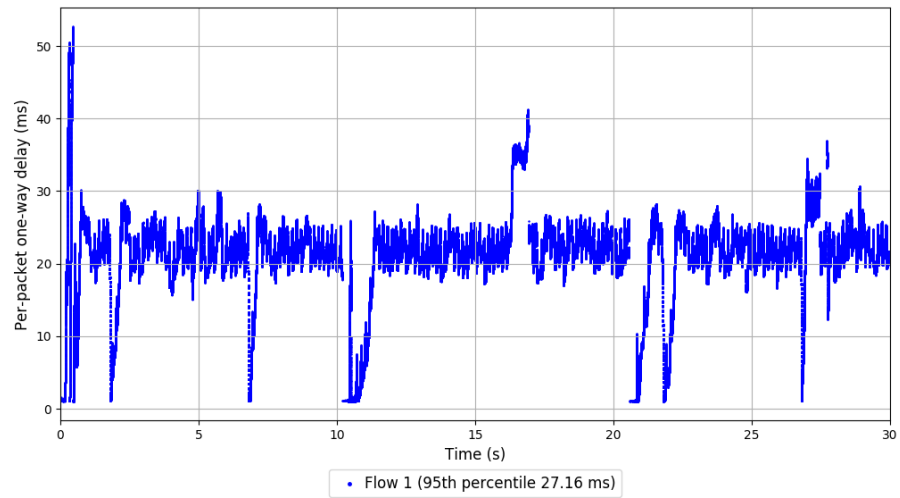
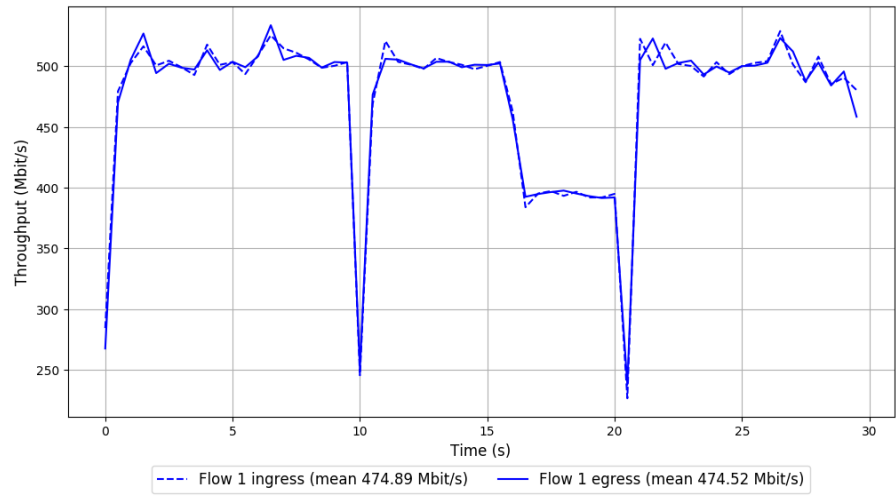


Run 8: Statistics of TCP BBR

Start at: 2018-01-08 21:30:16  
End at: 2018-01-08 21:30:46  
Local clock offset: -17.152 ms  
Remote clock offset: -1.784 ms

# Below is generated by plot.py at 2018-01-09 01:57:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 474.52 Mbit/s  
95th percentile per-packet one-way delay: 27.164 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 474.52 Mbit/s  
95th percentile per-packet one-way delay: 27.164 ms  
Loss rate: 0.15%

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

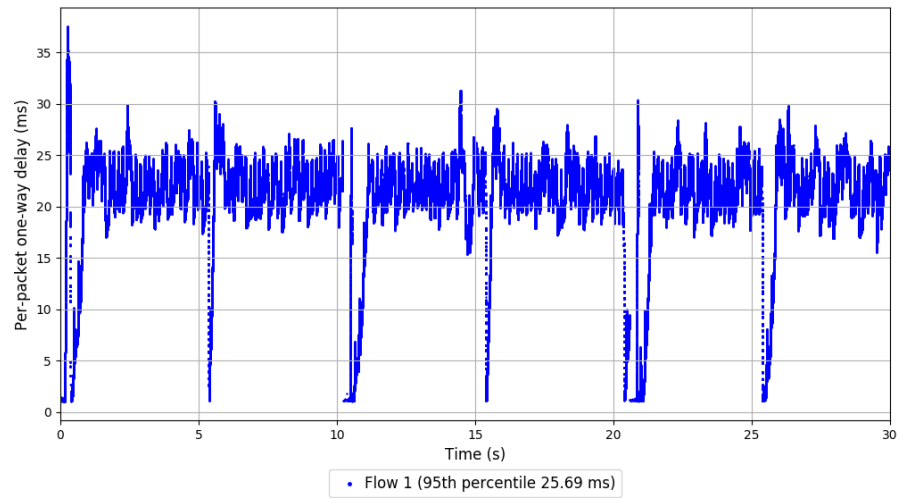
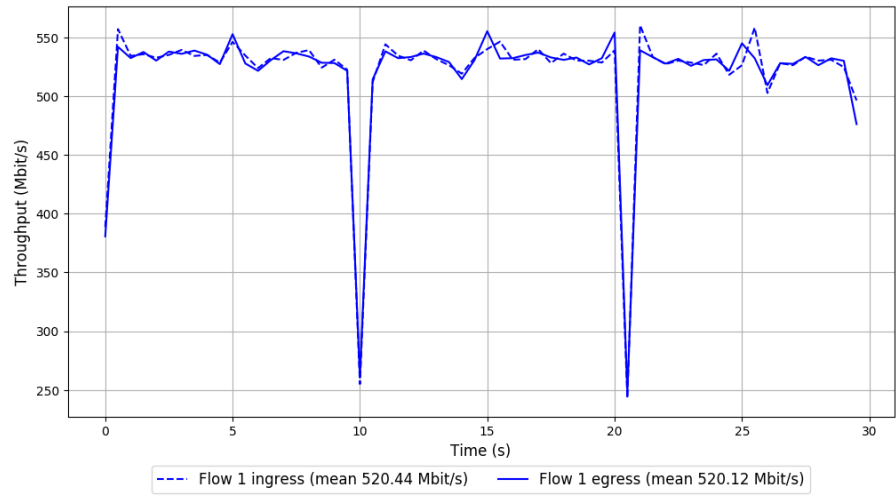


Run 9: Statistics of TCP BBR

Start at: 2018-01-08 21:50:35  
End at: 2018-01-08 21:51:05  
Local clock offset: -17.356 ms  
Remote clock offset: -1.517 ms

# Below is generated by plot.py at 2018-01-09 02:09:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 520.12 Mbit/s  
95th percentile per-packet one-way delay: 25.688 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 520.12 Mbit/s  
95th percentile per-packet one-way delay: 25.688 ms  
Loss rate: 0.12%

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

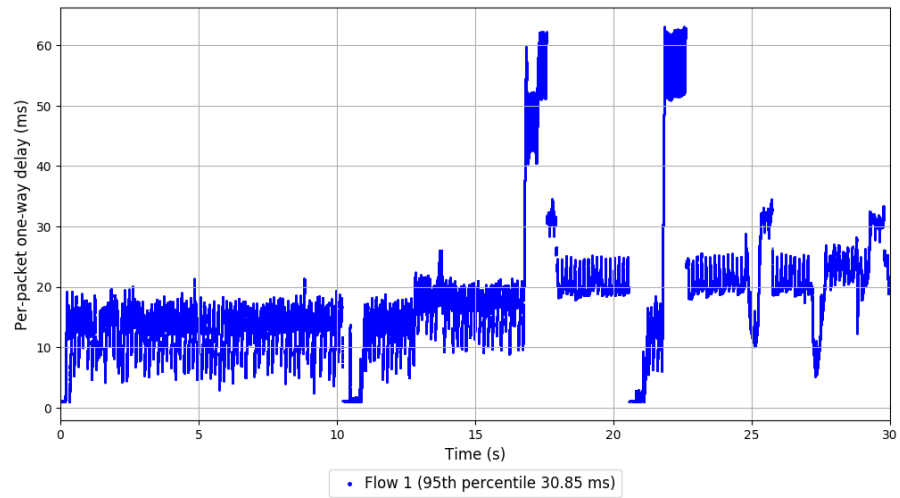
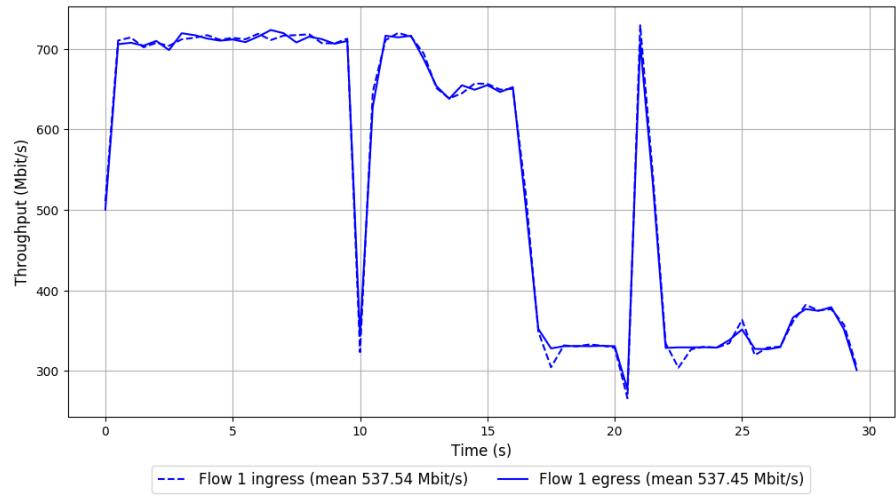


Run 10: Statistics of TCP BBR

Start at: 2018-01-08 22:11:04  
End at: 2018-01-08 22:11:34  
Local clock offset: -16.752 ms  
Remote clock offset: -1.416 ms

# Below is generated by plot.py at 2018-01-09 02:09:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 537.45 Mbit/s  
95th percentile per-packet one-way delay: 30.854 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 537.45 Mbit/s  
95th percentile per-packet one-way delay: 30.854 ms  
Loss rate: 0.08%

# Run 10: Report of TCP BBR — Data Link

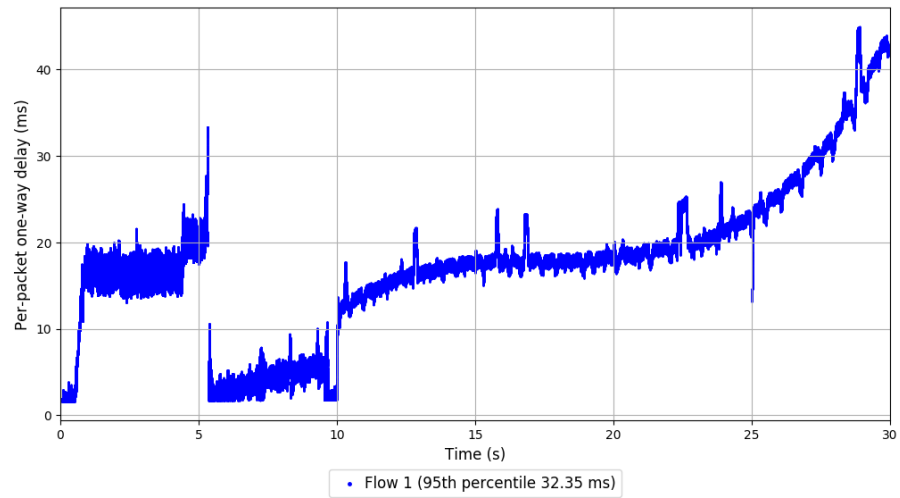
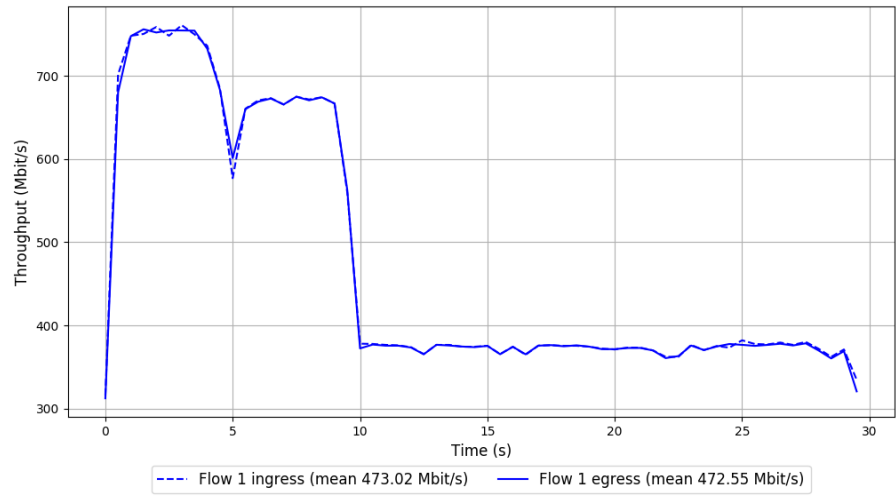


Run 1: Statistics of TCP Cubic

Start at: 2018-01-08 19:01:01  
End at: 2018-01-08 19:01:31  
Local clock offset: -17.503 ms  
Remote clock offset: -1.381 ms

# Below is generated by plot.py at 2018-01-09 02:09:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 472.55 Mbit/s  
95th percentile per-packet one-way delay: 32.350 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 472.55 Mbit/s  
95th percentile per-packet one-way delay: 32.350 ms  
Loss rate: 0.16%

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

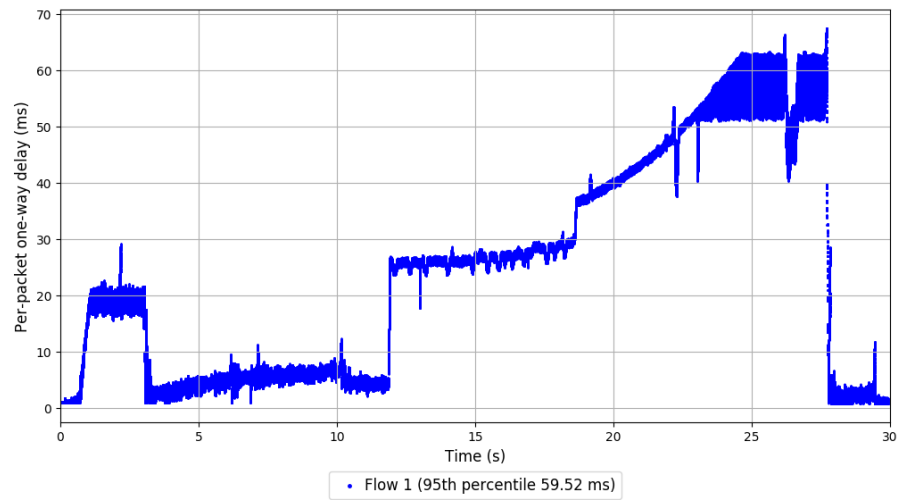
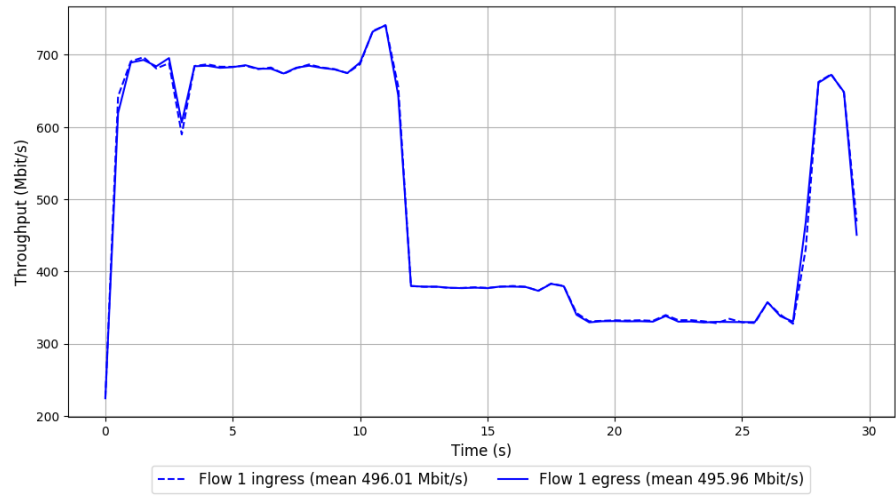


Run 2: Statistics of TCP Cubic

Start at: 2018-01-08 19:21:23  
End at: 2018-01-08 19:21:53  
Local clock offset: -5.625 ms  
Remote clock offset: -0.784 ms

# Below is generated by plot.py at 2018-01-09 02:09:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 495.96 Mbit/s  
95th percentile per-packet one-way delay: 59.520 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 495.96 Mbit/s  
95th percentile per-packet one-way delay: 59.520 ms  
Loss rate: 0.07%

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

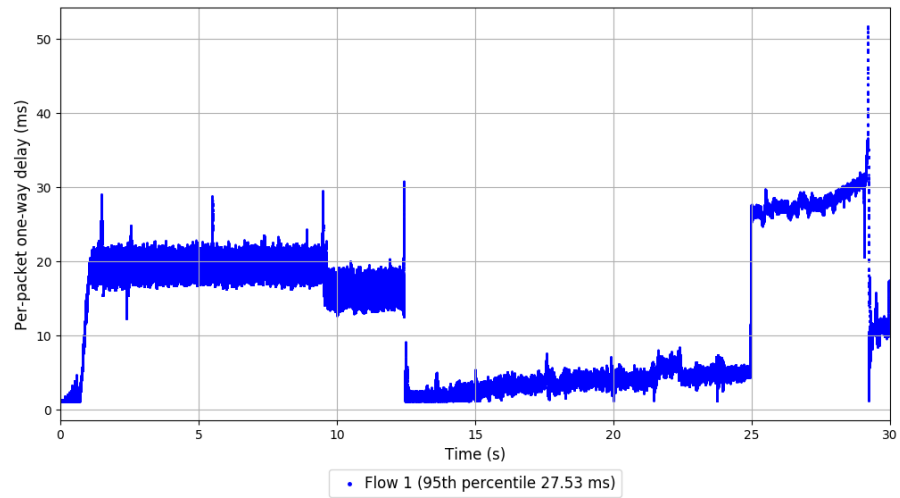
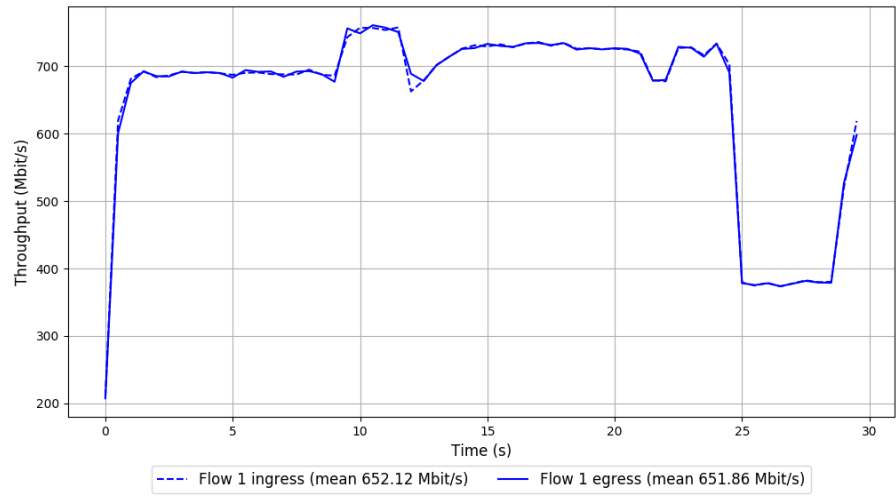


Run 3: Statistics of TCP Cubic

Start at: 2018-01-08 19:41:43  
End at: 2018-01-08 19:42:14  
Local clock offset: -7.366 ms  
Remote clock offset: -0.451 ms

# Below is generated by plot.py at 2018-01-09 02:12:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 651.86 Mbit/s  
95th percentile per-packet one-way delay: 27.532 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 651.86 Mbit/s  
95th percentile per-packet one-way delay: 27.532 ms  
Loss rate: 0.10%

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

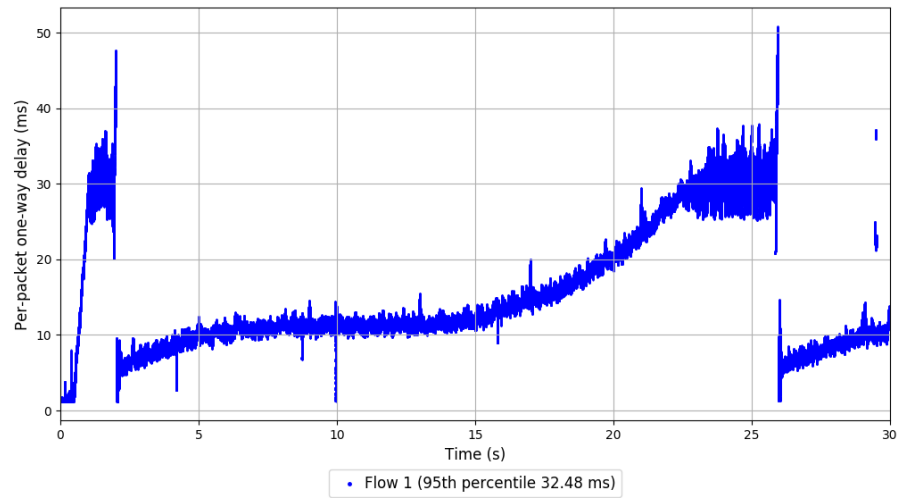
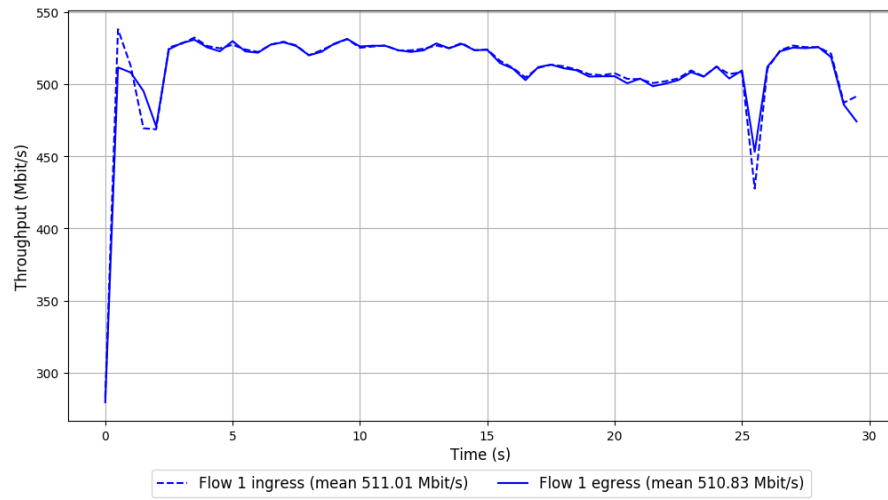


Run 4: Statistics of TCP Cubic

Start at: 2018-01-08 20:02:00  
End at: 2018-01-08 20:02:30  
Local clock offset: -8.276 ms  
Remote clock offset: -0.369 ms

# Below is generated by plot.py at 2018-01-09 02:12:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 510.83 Mbit/s  
95th percentile per-packet one-way delay: 32.484 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 510.83 Mbit/s  
95th percentile per-packet one-way delay: 32.484 ms  
Loss rate: 0.10%

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

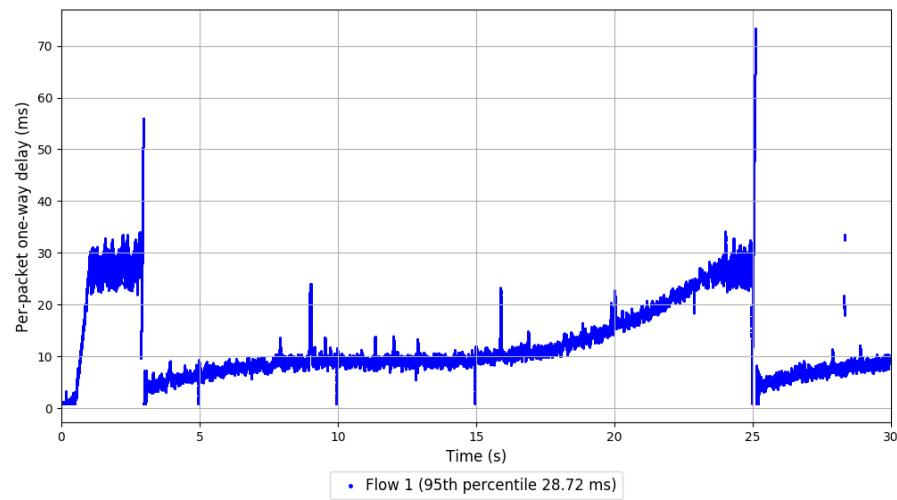
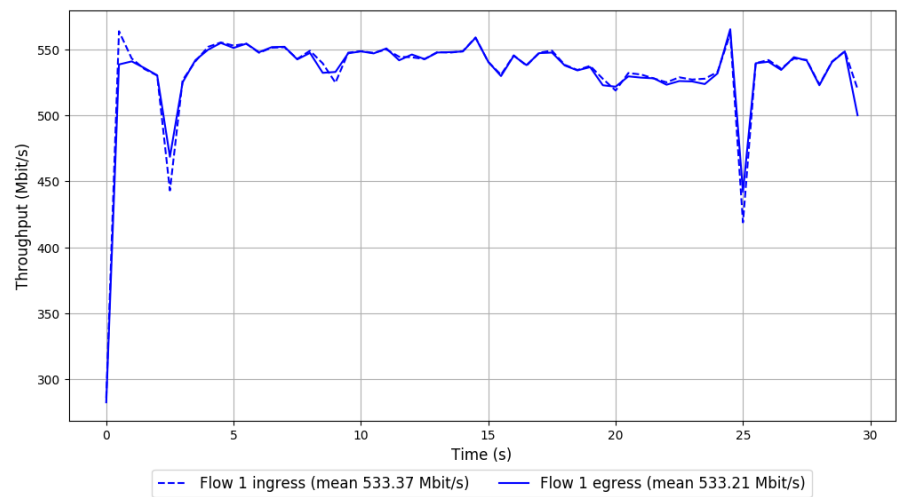


Run 5: Statistics of TCP Cubic

Start at: 2018-01-08 20:22:13  
End at: 2018-01-08 20:22:43  
Local clock offset: -12.108 ms  
Remote clock offset: -0.403 ms

# Below is generated by plot.py at 2018-01-09 02:12:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 533.21 Mbit/s  
95th percentile per-packet one-way delay: 28.723 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 533.21 Mbit/s  
95th percentile per-packet one-way delay: 28.723 ms  
Loss rate: 0.09%

Run 5: Report of TCP Cubic — Data Link

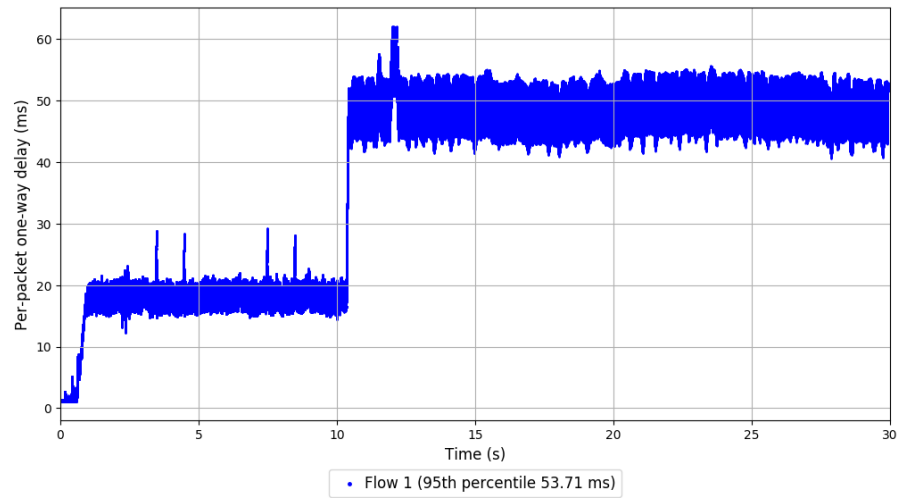
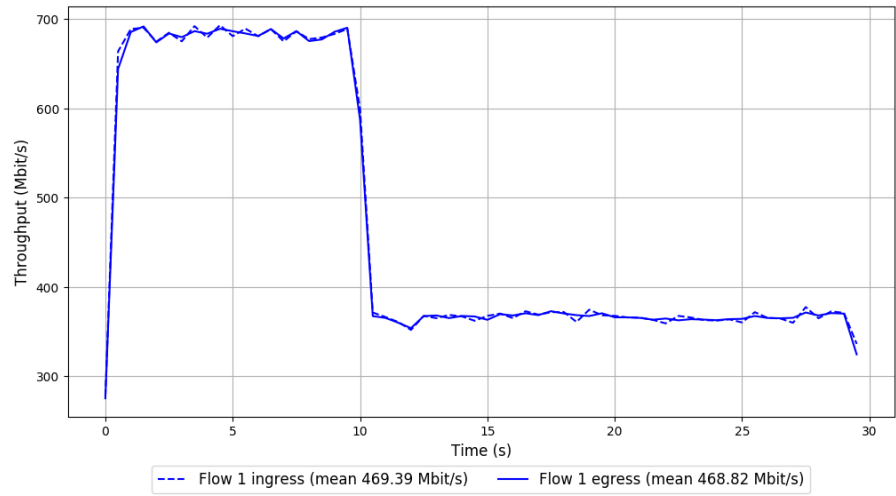


Run 6: Statistics of TCP Cubic

Start at: 2018-01-08 20:42:21  
End at: 2018-01-08 20:42:52  
Local clock offset: -10.569 ms  
Remote clock offset: -1.09 ms

# Below is generated by plot.py at 2018-01-09 02:12:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 468.82 Mbit/s  
95th percentile per-packet one-way delay: 53.709 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 468.82 Mbit/s  
95th percentile per-packet one-way delay: 53.709 ms  
Loss rate: 0.18%

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

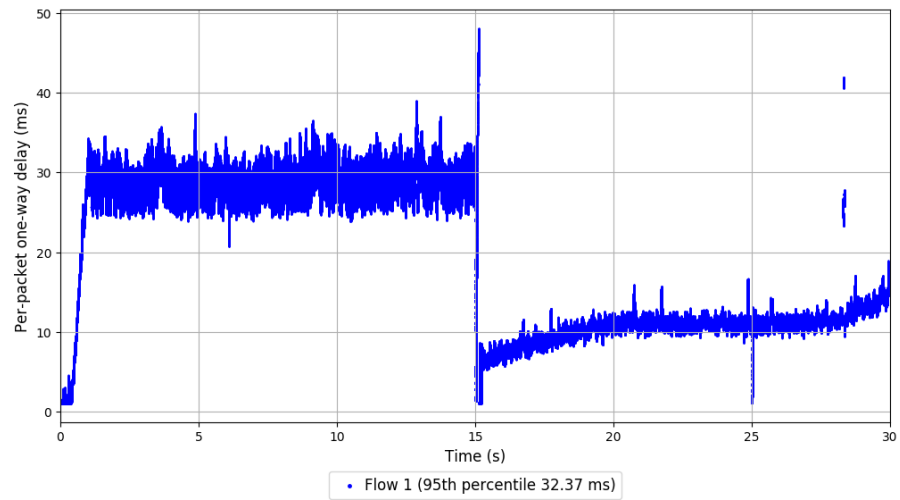
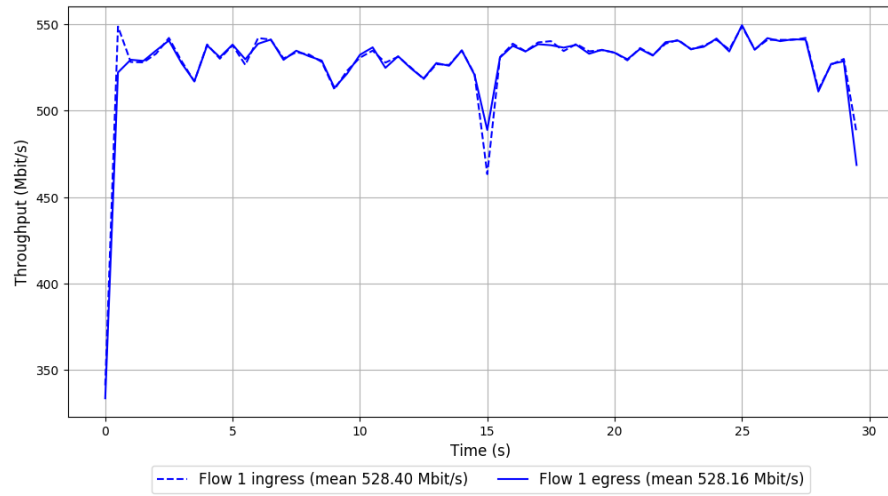


Run 7: Statistics of TCP Cubic

Start at: 2018-01-08 21:02:52  
End at: 2018-01-08 21:03:22  
Local clock offset: -13.518 ms  
Remote clock offset: -1.547 ms

# Below is generated by plot.py at 2018-01-09 02:22:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 528.16 Mbit/s  
95th percentile per-packet one-way delay: 32.374 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 528.16 Mbit/s  
95th percentile per-packet one-way delay: 32.374 ms  
Loss rate: 0.10%

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

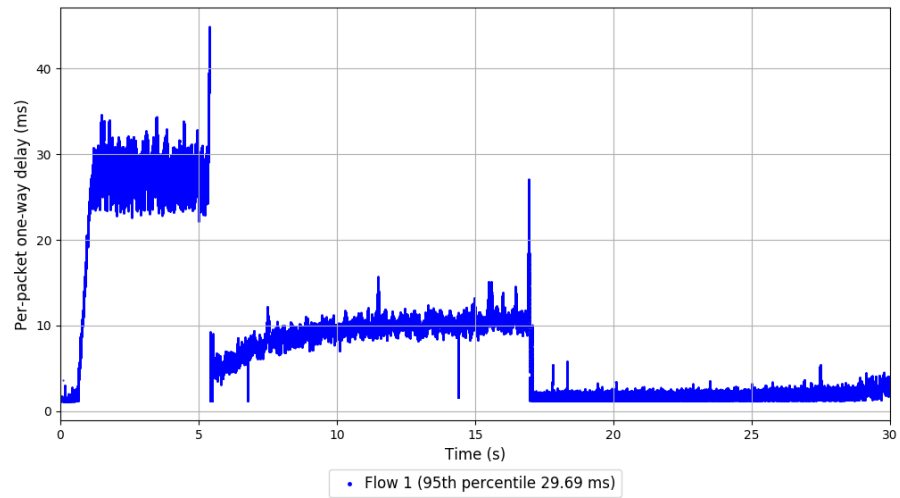
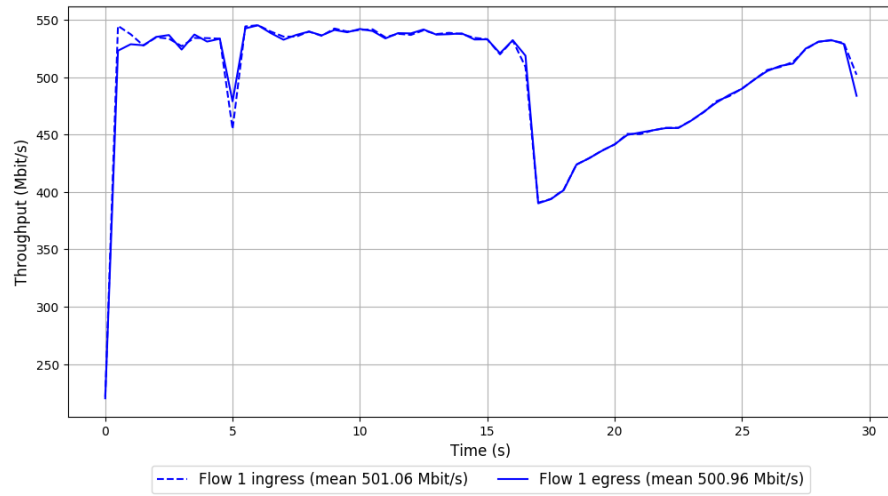


Run 8: Statistics of TCP Cubic

Start at: 2018-01-08 21:23:22  
End at: 2018-01-08 21:23:52  
Local clock offset: -16.286 ms  
Remote clock offset: -1.853 ms

# Below is generated by plot.py at 2018-01-09 02:22:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 500.96 Mbit/s  
95th percentile per-packet one-way delay: 29.687 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 500.96 Mbit/s  
95th percentile per-packet one-way delay: 29.687 ms  
Loss rate: 0.08%

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

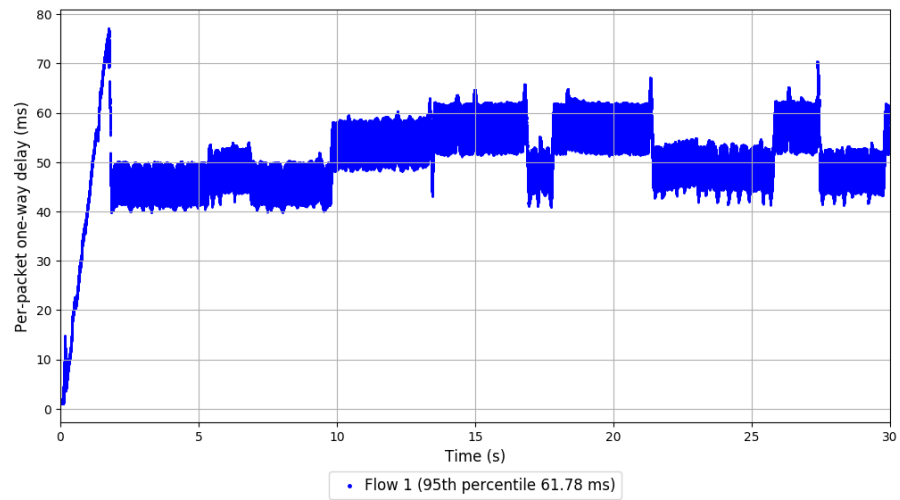
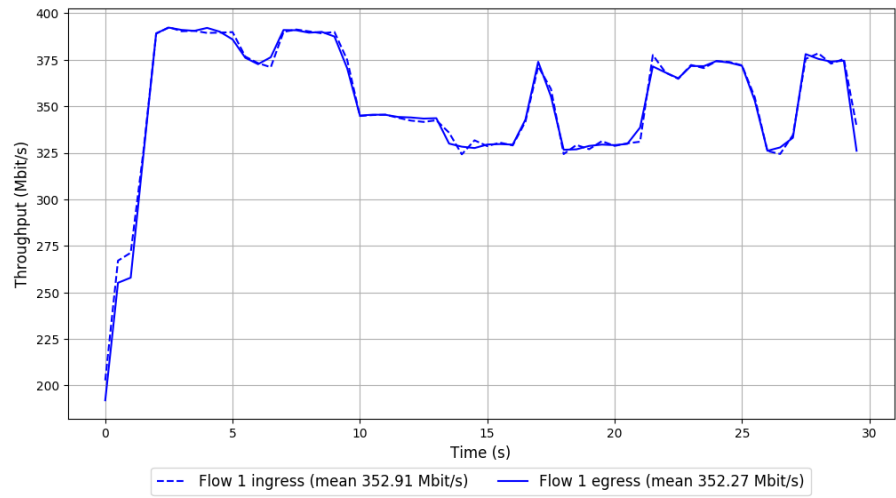


Run 9: Statistics of TCP Cubic

Start at: 2018-01-08 21:43:48  
End at: 2018-01-08 21:44:18  
Local clock offset: -16.768 ms  
Remote clock offset: -1.429 ms

# Below is generated by plot.py at 2018-01-09 02:22:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 352.27 Mbit/s  
95th percentile per-packet one-way delay: 61.784 ms  
Loss rate: 0.25%  
-- Flow 1:  
Average throughput: 352.27 Mbit/s  
95th percentile per-packet one-way delay: 61.784 ms  
Loss rate: 0.25%

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

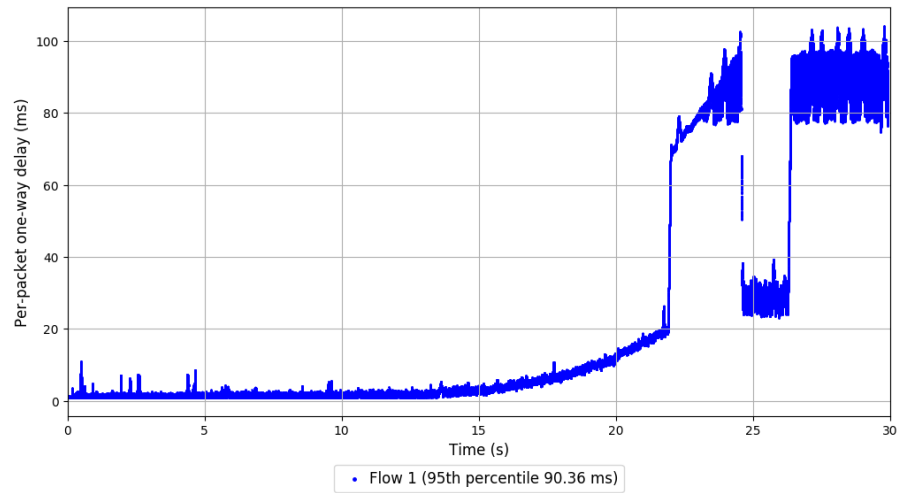
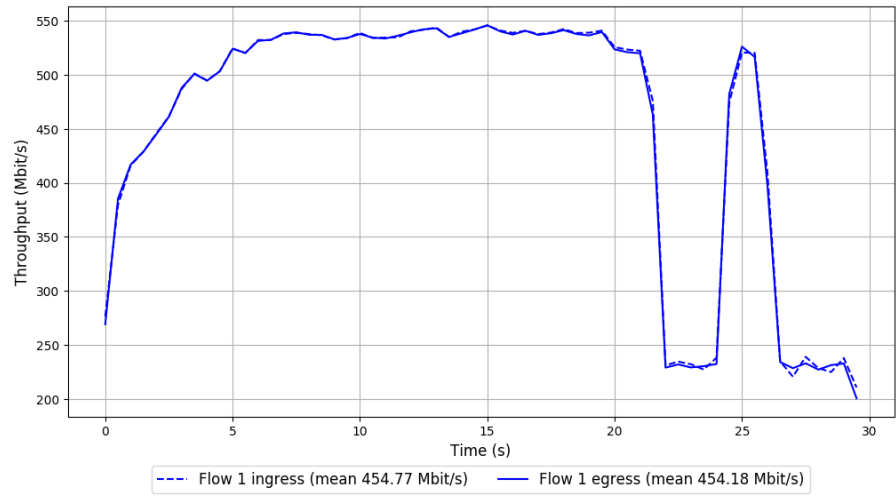


Run 10: Statistics of TCP Cubic

Start at: 2018-01-08 22:04:11  
End at: 2018-01-08 22:04:41  
Local clock offset: -16.609 ms  
Remote clock offset: -1.484 ms

# Below is generated by plot.py at 2018-01-09 02:22:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 454.18 Mbit/s  
95th percentile per-packet one-way delay: 90.357 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 454.18 Mbit/s  
95th percentile per-packet one-way delay: 90.357 ms  
Loss rate: 0.20%

### Run 10: Report of TCP Cubic — Data Link

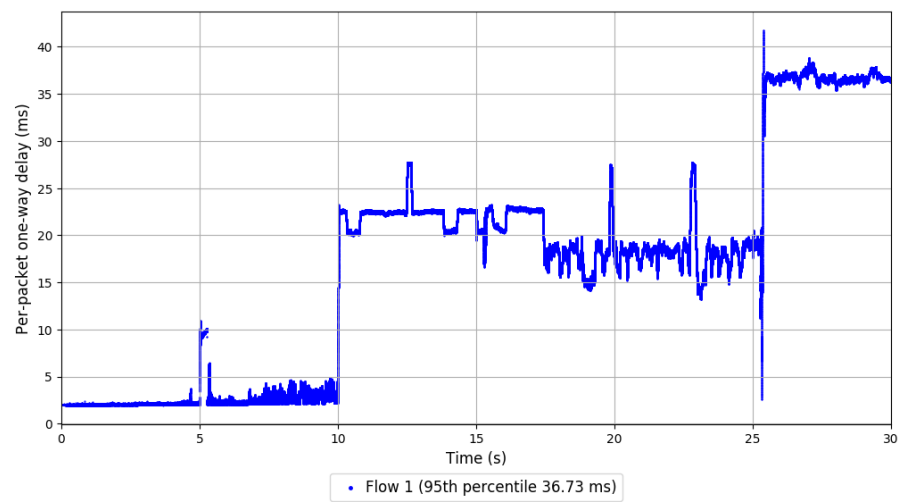
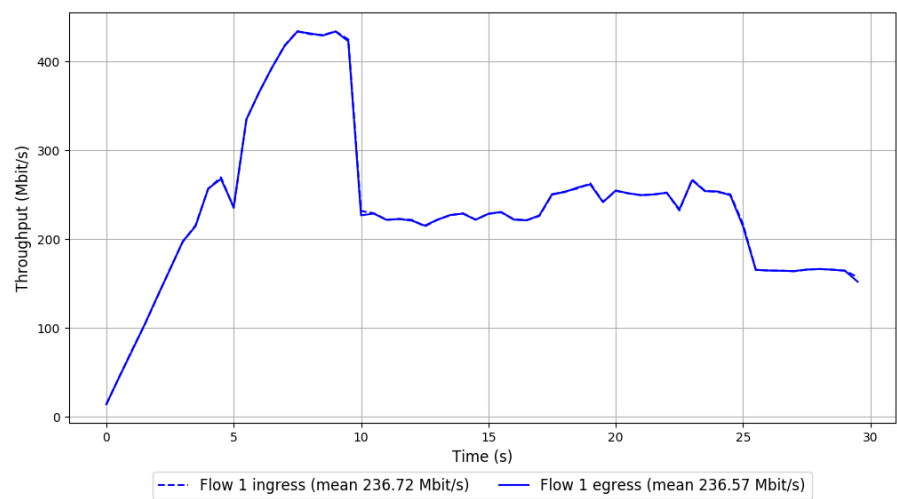


```
Run 1: Statistics of LEDBAT

Start at: 2018-01-08 19:03:46
End at: 2018-01-08 19:04:16
Local clock offset: -20.786 ms
Remote clock offset: -1.327 ms

# Below is generated by plot.py at 2018-01-09 02:22:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 236.57 Mbit/s
95th percentile per-packet one-way delay: 36.735 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 236.57 Mbit/s
95th percentile per-packet one-way delay: 36.735 ms
Loss rate: 0.12%
```

Run 1: Report of LEDBAT — Data Link

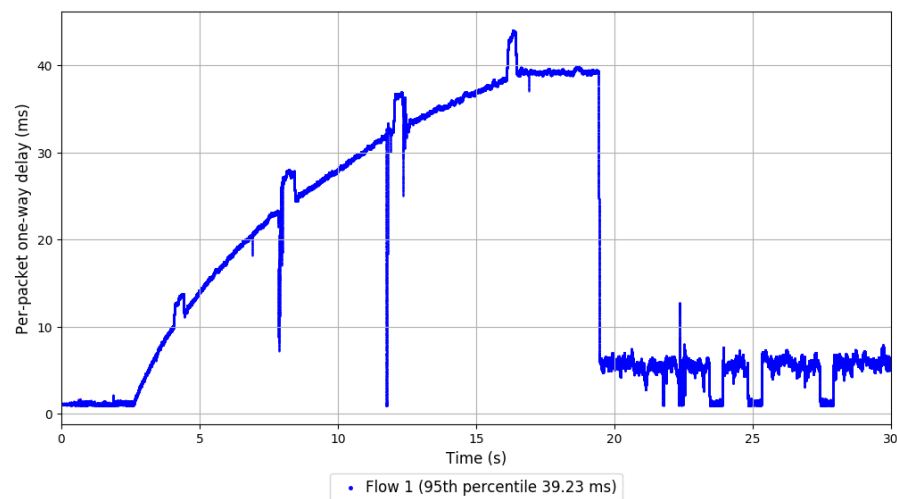
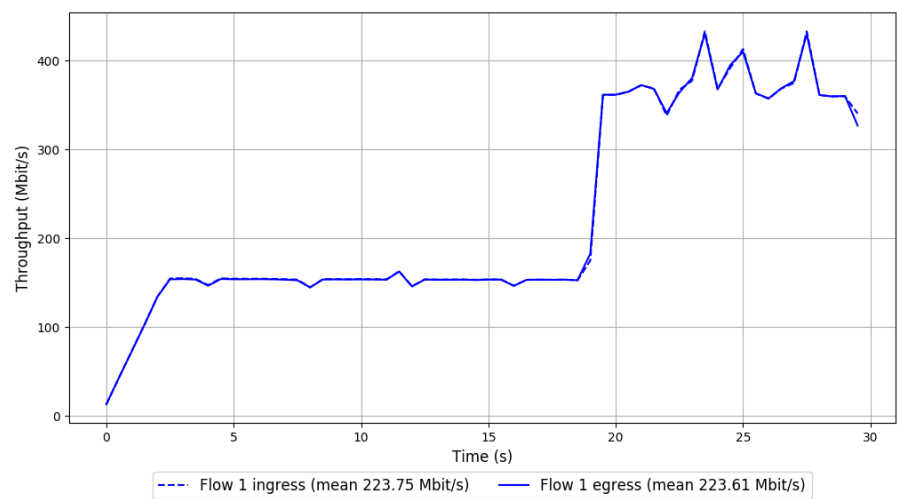


Run 2: Statistics of LEDBAT

Start at: 2018-01-08 19:24:08  
End at: 2018-01-08 19:24:39  
Local clock offset: -5.09 ms  
Remote clock offset: -0.711 ms

# Below is generated by plot.py at 2018-01-09 02:22:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 223.61 Mbit/s  
95th percentile per-packet one-way delay: 39.228 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 223.61 Mbit/s  
95th percentile per-packet one-way delay: 39.228 ms  
Loss rate: 0.13%

Run 2: Report of LEDBAT — Data Link

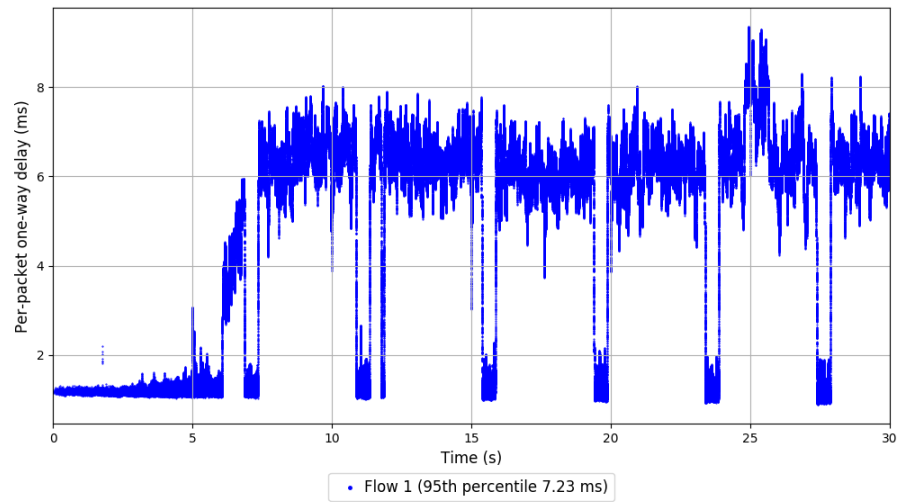
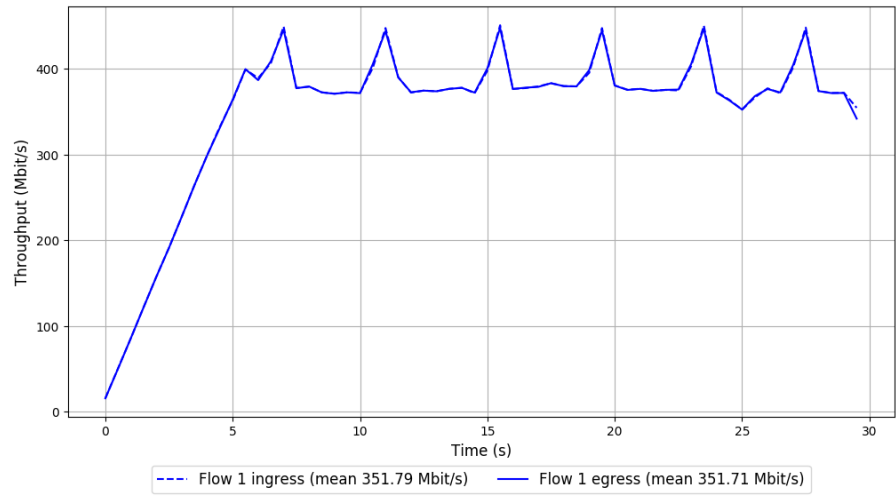


Run 3: Statistics of LEDBAT

Start at: 2018-01-08 19:44:36  
End at: 2018-01-08 19:45:06  
Local clock offset: -8.057 ms  
Remote clock offset: -0.382 ms

# Below is generated by plot.py at 2018-01-09 02:22:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 351.71 Mbit/s  
95th percentile per-packet one-way delay: 7.227 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 351.71 Mbit/s  
95th percentile per-packet one-way delay: 7.227 ms  
Loss rate: 0.08%

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

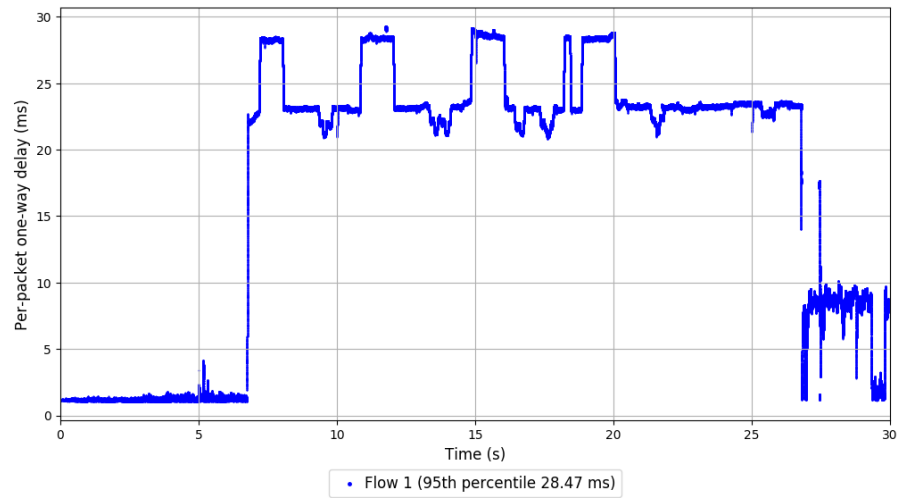
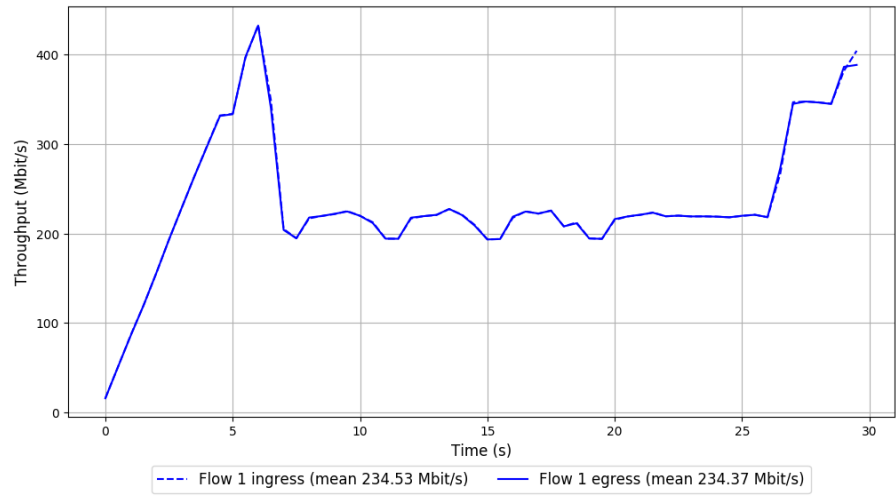


Run 4: Statistics of LEDBAT

Start at: 2018-01-08 20:04:47  
End at: 2018-01-08 20:05:17  
Local clock offset: -8.638 ms  
Remote clock offset: -0.238 ms

# Below is generated by plot.py at 2018-01-09 02:22:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 234.37 Mbit/s  
95th percentile per-packet one-way delay: 28.474 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 234.37 Mbit/s  
95th percentile per-packet one-way delay: 28.474 ms  
Loss rate: 0.13%

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



Run 5: Statistics of LEDBAT

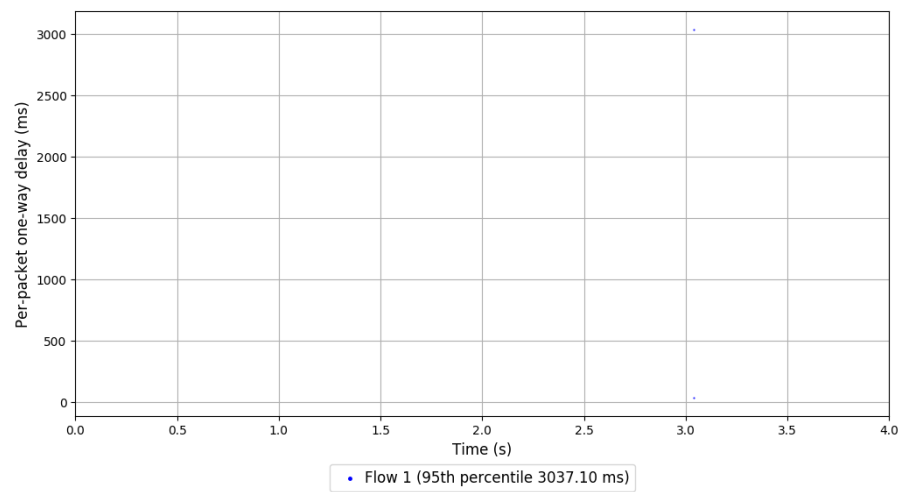
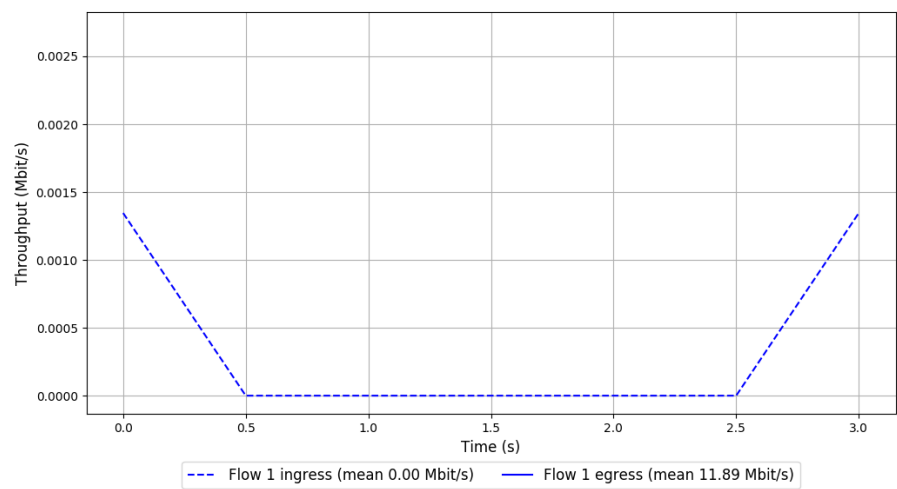
Start at: 2018-01-08 20:25:00

End at: 2018-01-08 20:25:30

Local clock offset: -12.047 ms

Remote clock offset: -0.501 ms

Run 5: Report of LEDBAT — Data Link

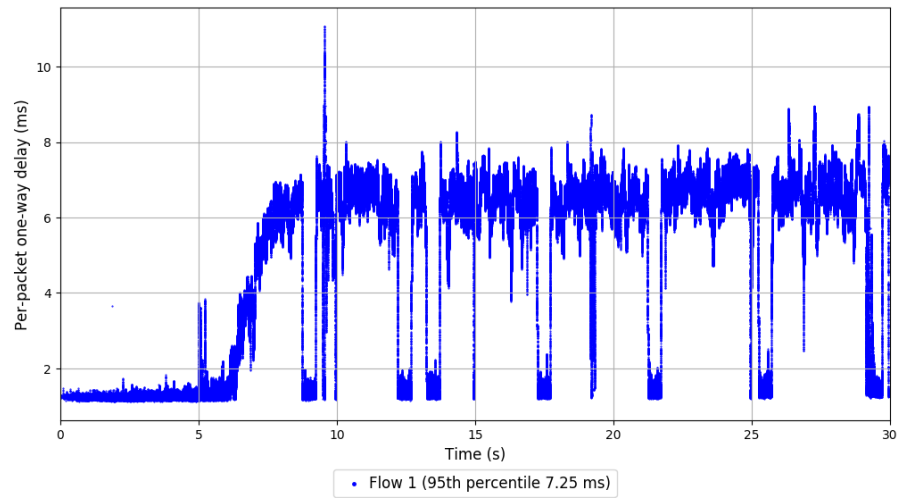
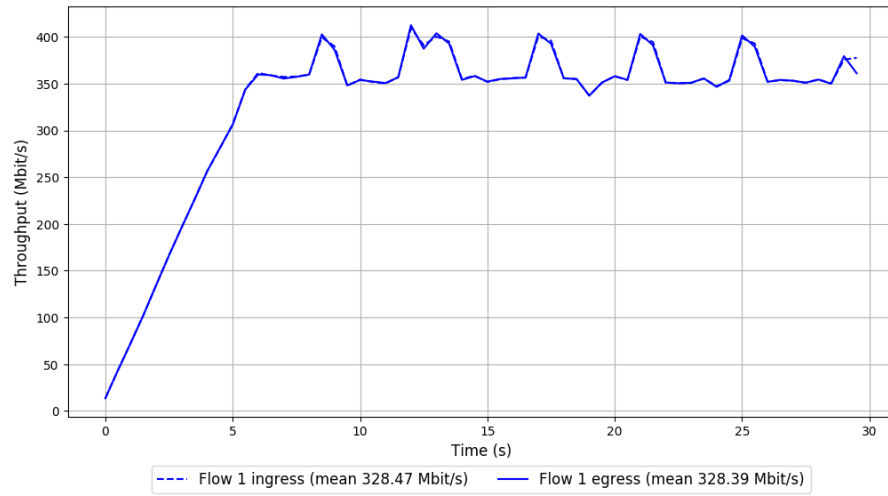


Run 6: Statistics of LEDBAT

Start at: 2018-01-08 20:45:07  
End at: 2018-01-08 20:45:37  
Local clock offset: -10.887 ms  
Remote clock offset: -1.112 ms

# Below is generated by plot.py at 2018-01-09 02:25:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 328.39 Mbit/s  
95th percentile per-packet one-way delay: 7.254 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 328.39 Mbit/s  
95th percentile per-packet one-way delay: 7.254 ms  
Loss rate: 0.09%

## Run 6: Report of LEDBAT — Data Link

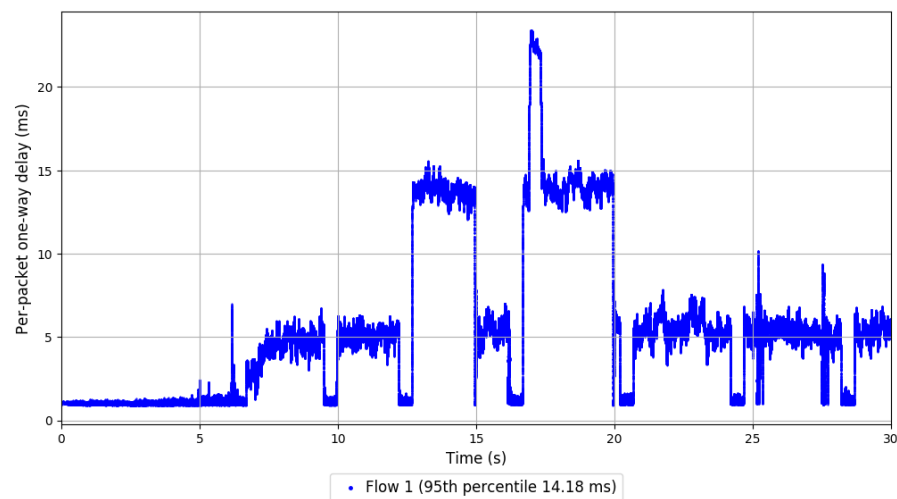
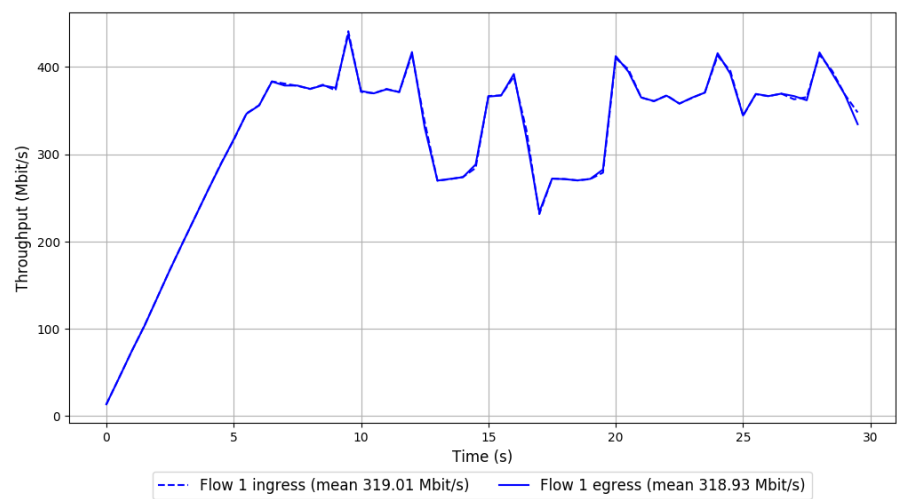


Run 7: Statistics of LEDBAT

Start at: 2018-01-08 21:05:40  
End at: 2018-01-08 21:06:10  
Local clock offset: -13.721 ms  
Remote clock offset: -1.543 ms

# Below is generated by plot.py at 2018-01-09 02:25:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 318.93 Mbit/s  
95th percentile per-packet one-way delay: 14.180 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 318.93 Mbit/s  
95th percentile per-packet one-way delay: 14.180 ms  
Loss rate: 0.09%

Run 7: Report of LEDBAT — Data Link

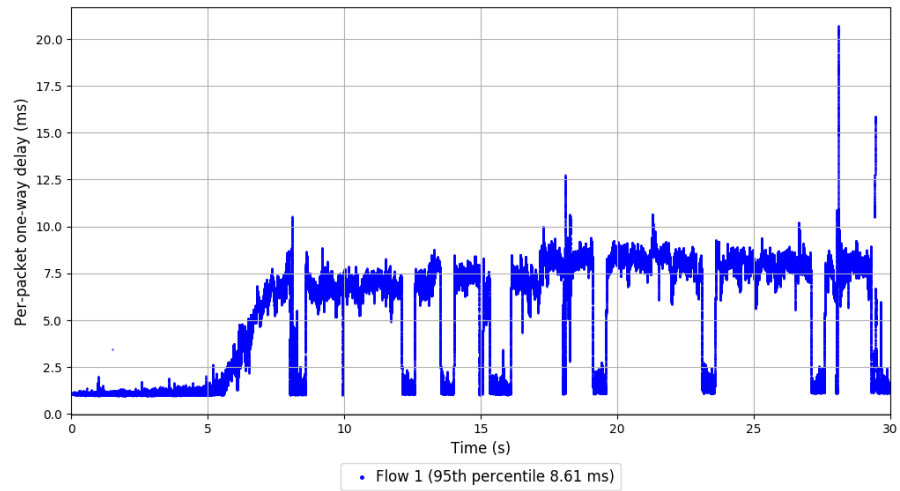
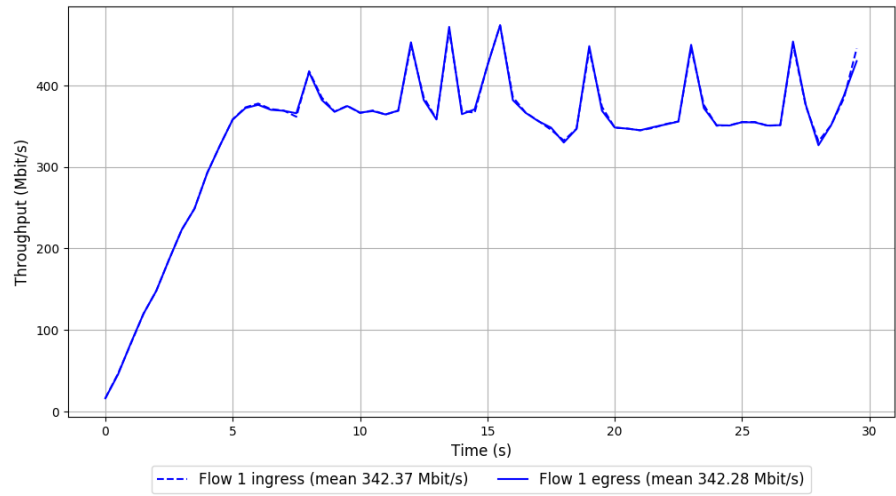


Run 8: Statistics of LEDBAT

Start at: 2018-01-08 21:26:08  
End at: 2018-01-08 21:26:38  
Local clock offset: -16.968 ms  
Remote clock offset: -1.746 ms

# Below is generated by plot.py at 2018-01-09 02:27:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 342.28 Mbit/s  
95th percentile per-packet one-way delay: 8.606 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 342.28 Mbit/s  
95th percentile per-packet one-way delay: 8.606 ms  
Loss rate: 0.09%

## Run 8: Report of LEDBAT — Data Link

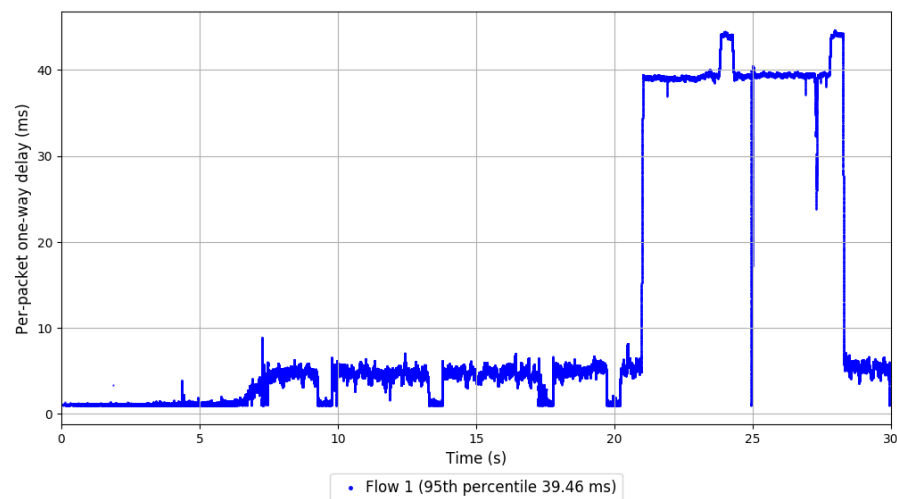
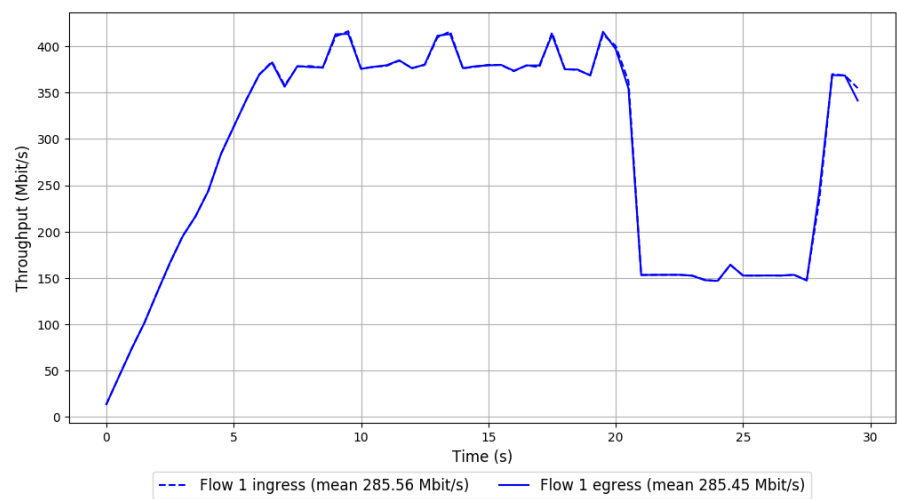


Run 9: Statistics of LEDBAT

Start at: 2018-01-08 21:46:29  
End at: 2018-01-08 21:46:59  
Local clock offset: -17.001 ms  
Remote clock offset: -1.462 ms

# Below is generated by plot.py at 2018-01-09 02:27:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 285.45 Mbit/s  
95th percentile per-packet one-way delay: 39.456 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 285.45 Mbit/s  
95th percentile per-packet one-way delay: 39.456 ms  
Loss rate: 0.10%

Run 9: Report of LEDBAT — Data Link

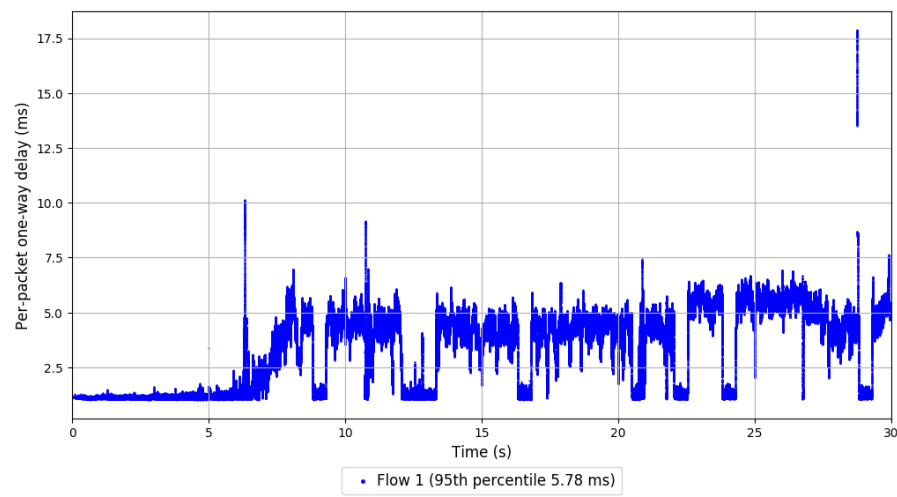
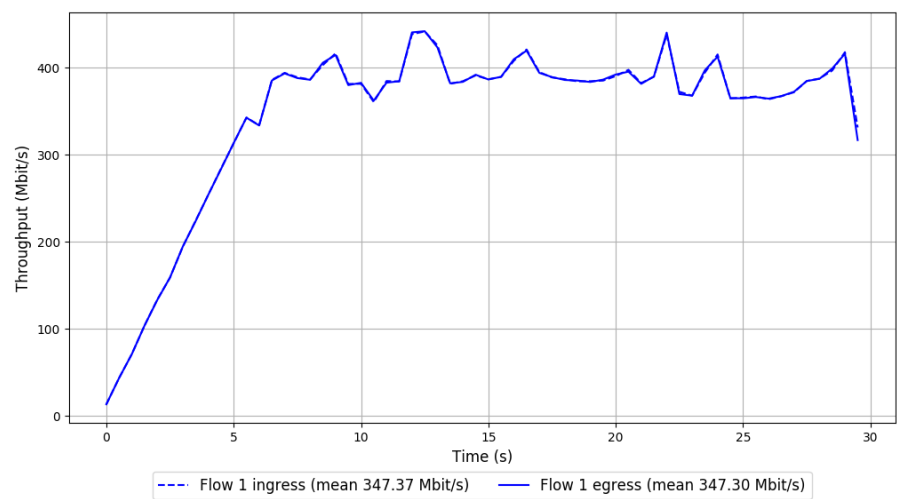


Run 10: Statistics of LEDBAT

Start at: 2018-01-08 22:06:55  
End at: 2018-01-08 22:07:25  
Local clock offset: -16.521 ms  
Remote clock offset: -1.462 ms

# Below is generated by plot.py at 2018-01-09 02:29:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 347.30 Mbit/s  
95th percentile per-packet one-way delay: 5.777 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 347.30 Mbit/s  
95th percentile per-packet one-way delay: 5.777 ms  
Loss rate: 0.09%

Run 10: Report of LEDBAT — Data Link

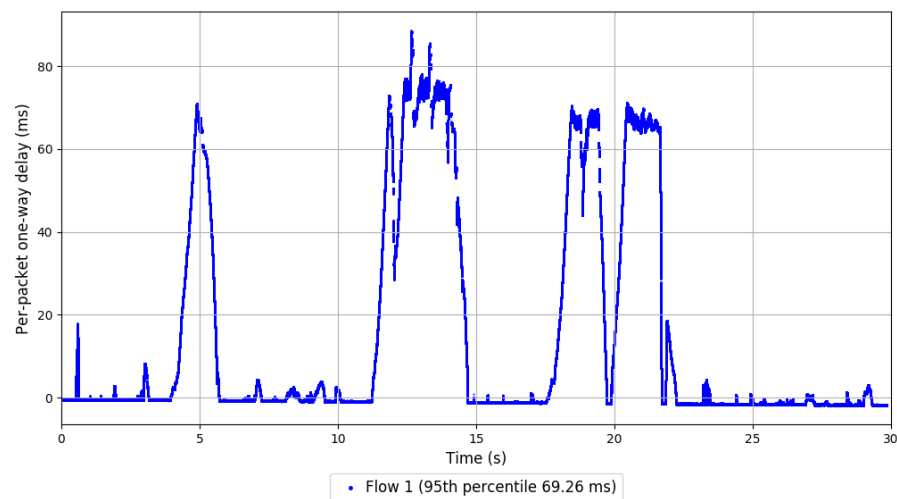
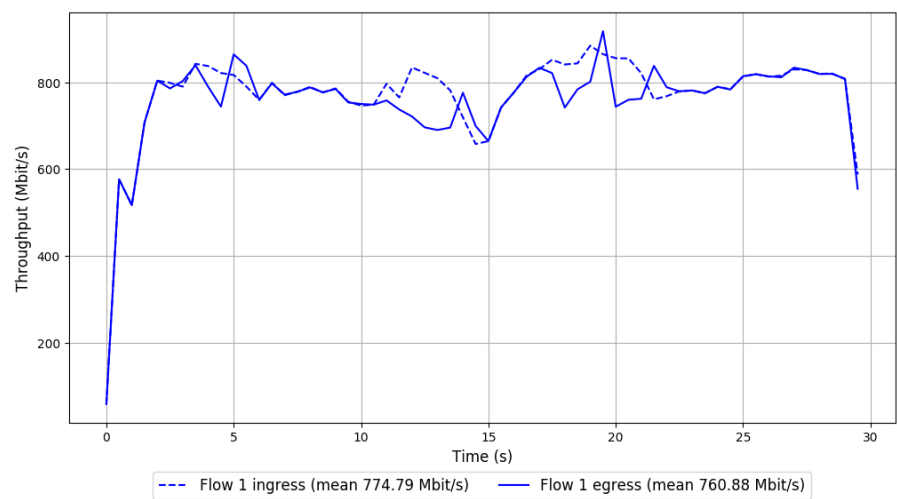


```
Run 1: Statistics of PCC

Start at: 2018-01-08 19:05:08
End at: 2018-01-08 19:05:38
Local clock offset: -22.801 ms
Remote clock offset: -1.303 ms

# Below is generated by plot.py at 2018-01-09 02:43:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 760.88 Mbit/s
95th percentile per-packet one-way delay: 69.258 ms
Loss rate: 1.87%
-- Flow 1:
Average throughput: 760.88 Mbit/s
95th percentile per-packet one-way delay: 69.258 ms
Loss rate: 1.87%
```

Run 1: Report of PCC — Data Link

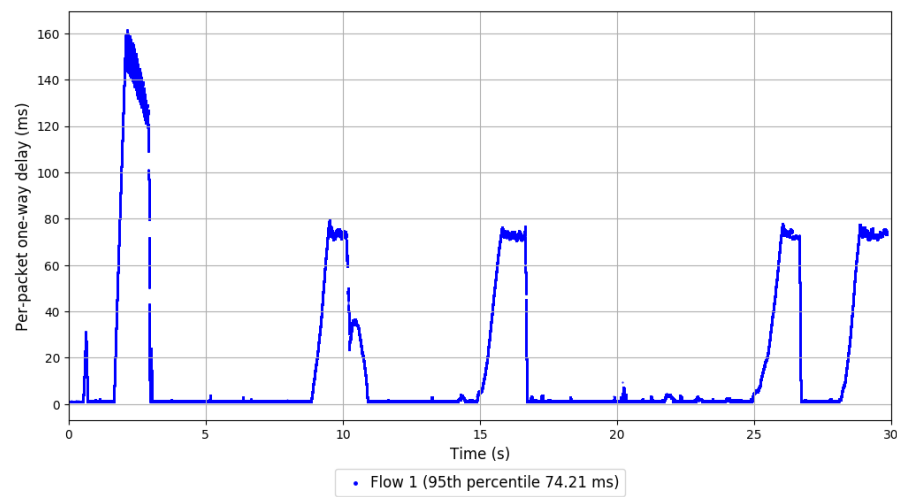
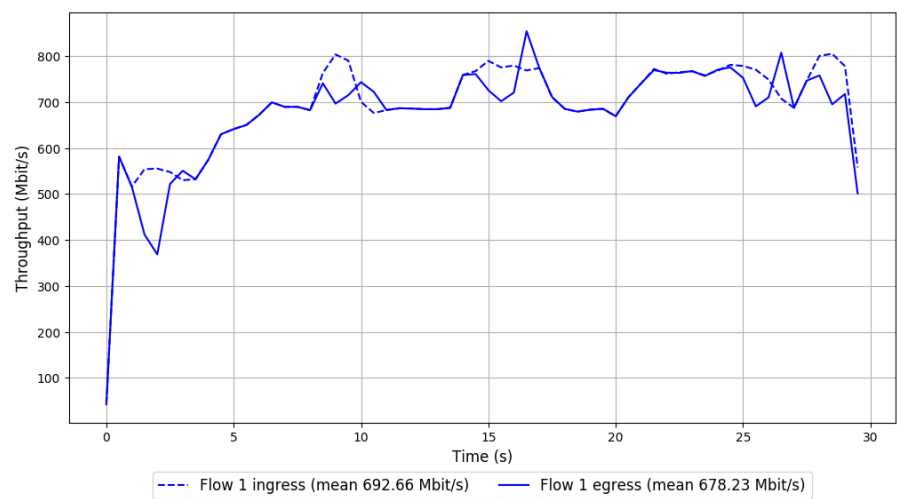


Run 2: Statistics of PCC

Start at: 2018-01-08 19:25:31  
End at: 2018-01-08 19:26:01  
Local clock offset: -5.06 ms  
Remote clock offset: -0.657 ms

# Below is generated by plot.py at 2018-01-09 02:43:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 678.23 Mbit/s  
95th percentile per-packet one-way delay: 74.206 ms  
Loss rate: 2.15%  
-- Flow 1:  
Average throughput: 678.23 Mbit/s  
95th percentile per-packet one-way delay: 74.206 ms  
Loss rate: 2.15%

Run 2: Report of PCC — Data Link

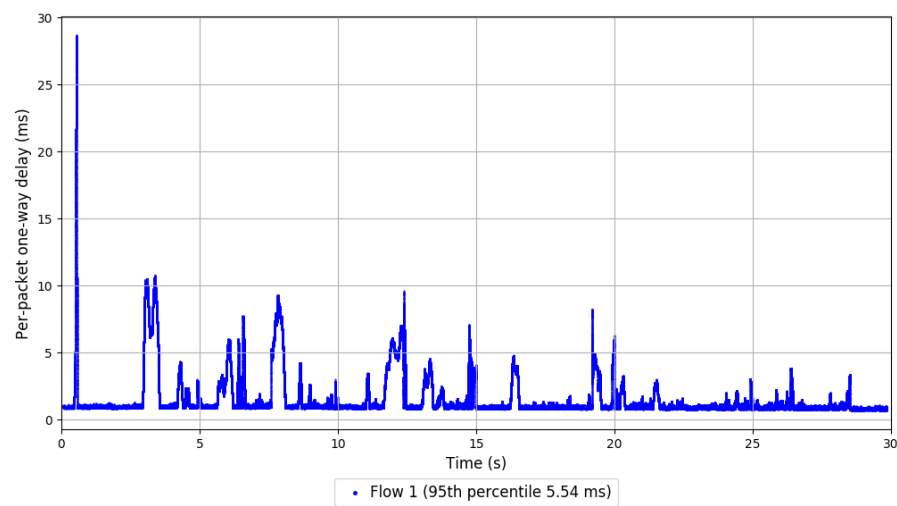
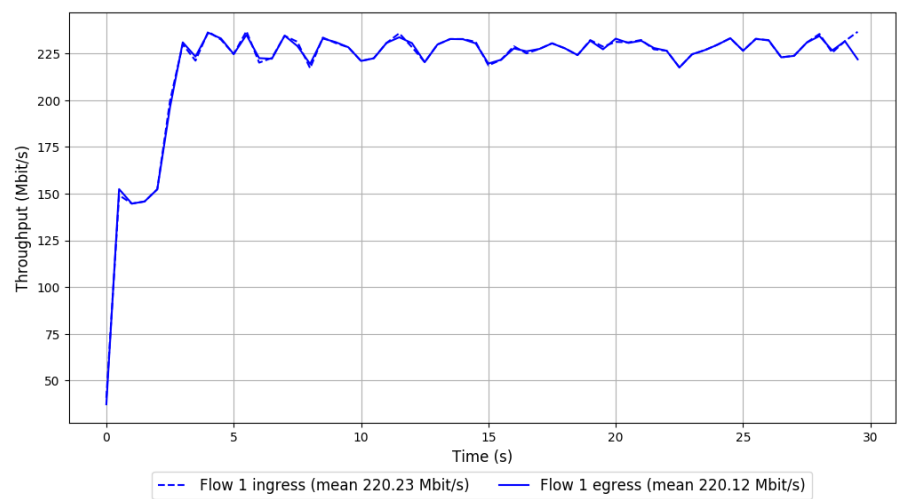


Run 3: Statistics of PCC

Start at: 2018-01-08 19:46:04  
End at: 2018-01-08 19:46:34  
Local clock offset: -7.725 ms  
Remote clock offset: -0.447 ms

# Below is generated by plot.py at 2018-01-09 02:43:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 220.12 Mbit/s  
95th percentile per-packet one-way delay: 5.545 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 220.12 Mbit/s  
95th percentile per-packet one-way delay: 5.545 ms  
Loss rate: 0.12%

Run 3: Report of PCC — Data Link

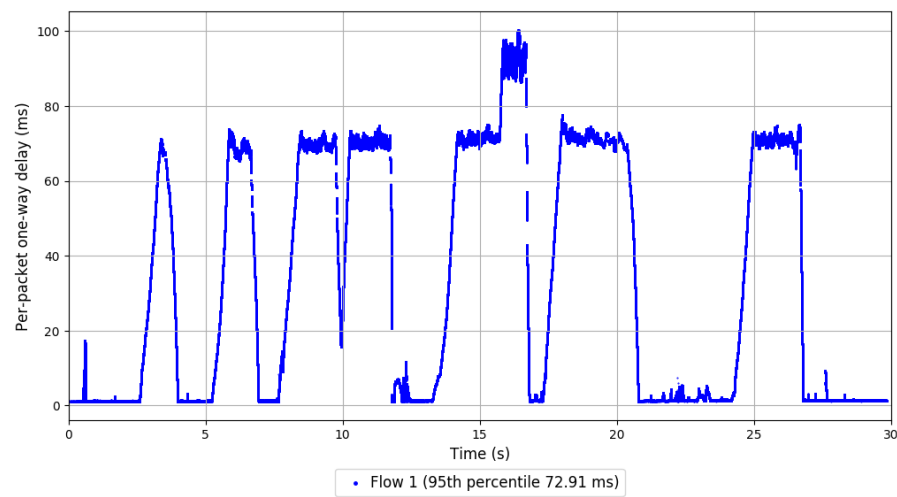
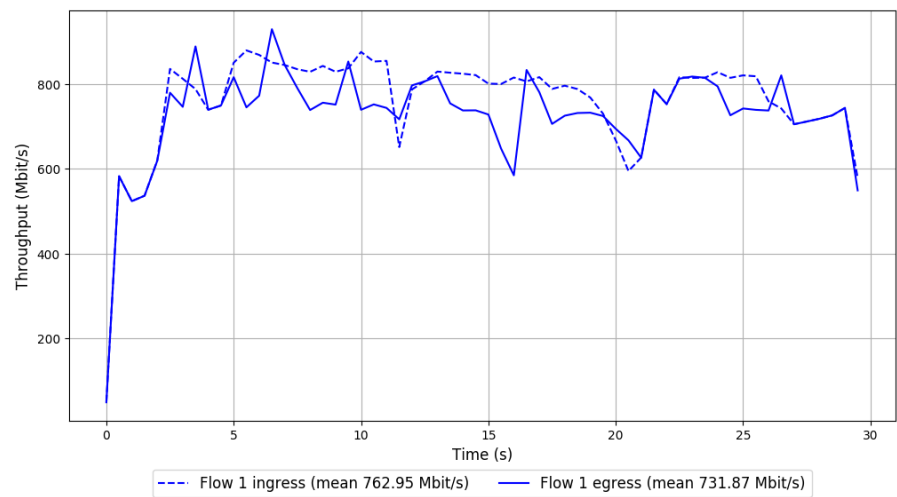


Run 4: Statistics of PCC

Start at: 2018-01-08 20:06:09  
End at: 2018-01-08 20:06:39  
Local clock offset: -8.93 ms  
Remote clock offset: -0.283 ms

# Below is generated by plot.py at 2018-01-09 02:45:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 731.87 Mbit/s  
95th percentile per-packet one-way delay: 72.906 ms  
Loss rate: 4.14%  
-- Flow 1:  
Average throughput: 731.87 Mbit/s  
95th percentile per-packet one-way delay: 72.906 ms  
Loss rate: 4.14%

Run 4: Report of PCC — Data Link

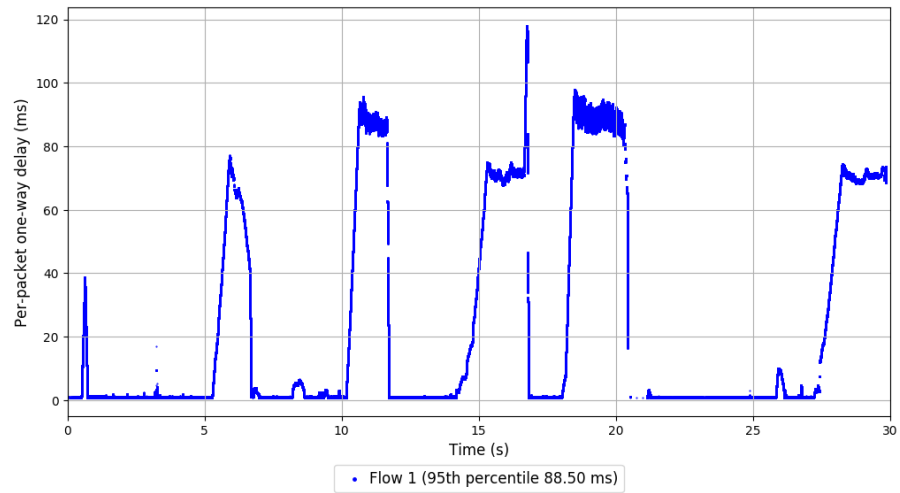
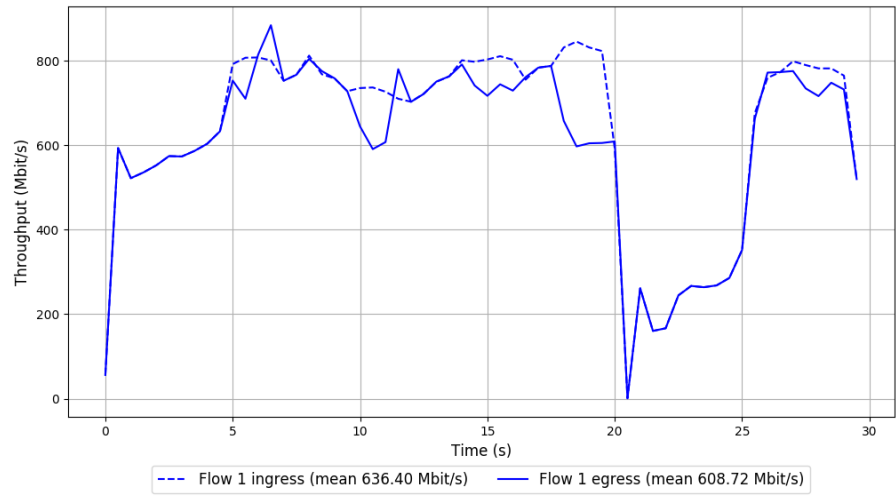


Run 5: Statistics of PCC

Start at: 2018-01-08 20:26:10  
End at: 2018-01-08 20:26:40  
Local clock offset: -11.736 ms  
Remote clock offset: -0.508 ms

# Below is generated by plot.py at 2018-01-09 02:45:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 608.72 Mbit/s  
95th percentile per-packet one-way delay: 88.498 ms  
Loss rate: 4.42%  
-- Flow 1:  
Average throughput: 608.72 Mbit/s  
95th percentile per-packet one-way delay: 88.498 ms  
Loss rate: 4.42%

### Run 5: Report of PCC — Data Link

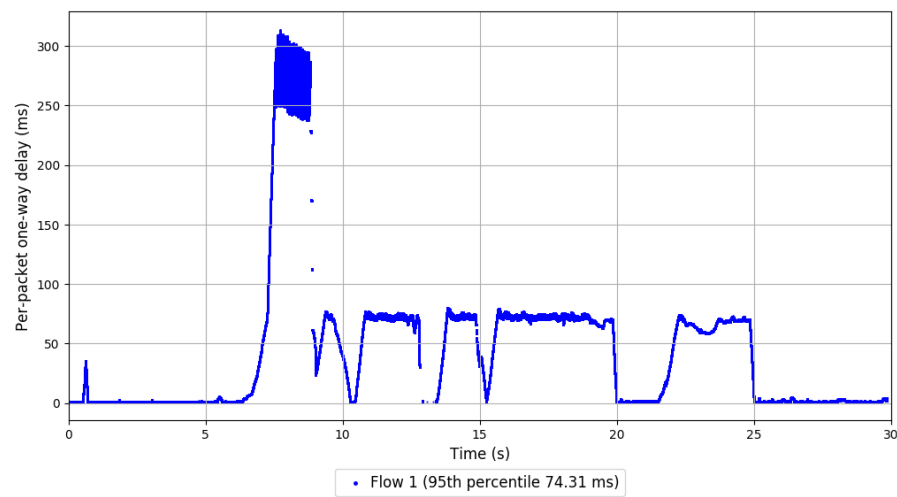
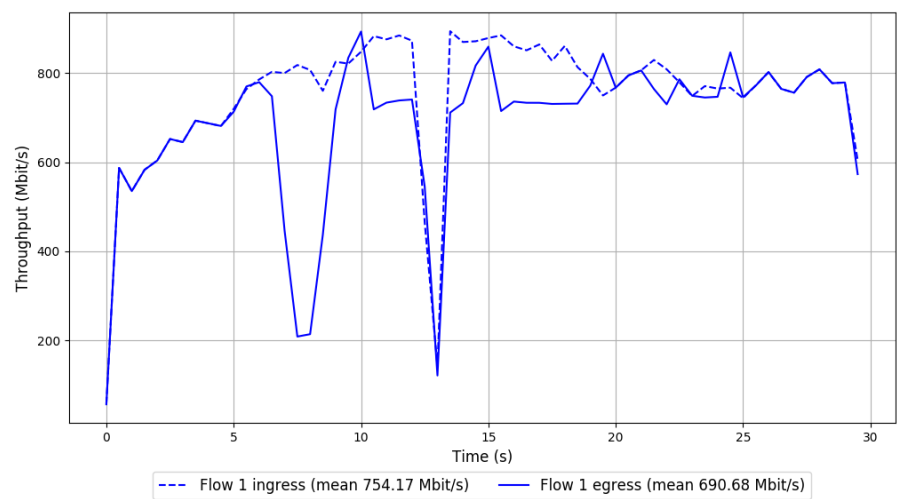


Run 6: Statistics of PCC

Start at: 2018-01-08 20:46:34  
End at: 2018-01-08 20:47:04  
Local clock offset: -11.156 ms  
Remote clock offset: -1.013 ms

# Below is generated by plot.py at 2018-01-09 02:46:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 690.68 Mbit/s  
95th percentile per-packet one-way delay: 74.313 ms  
Loss rate: 8.48%  
-- Flow 1:  
Average throughput: 690.68 Mbit/s  
95th percentile per-packet one-way delay: 74.313 ms  
Loss rate: 8.48%

Run 6: Report of PCC — Data Link

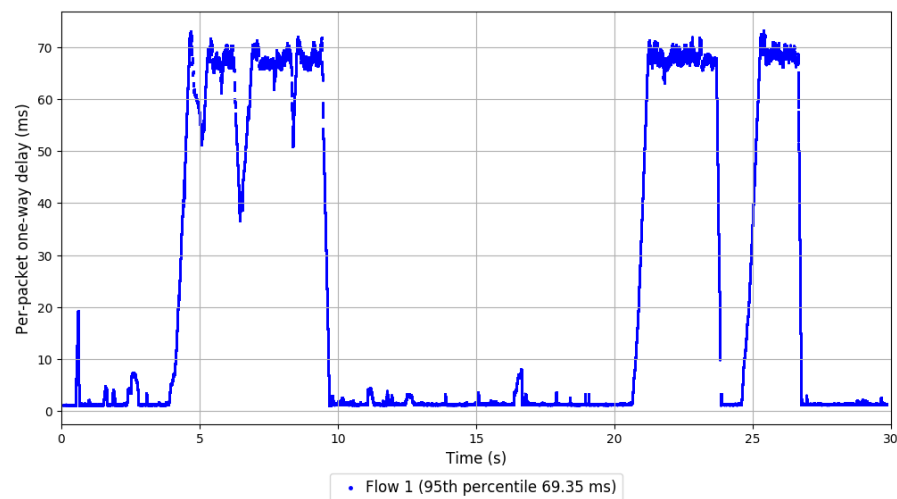
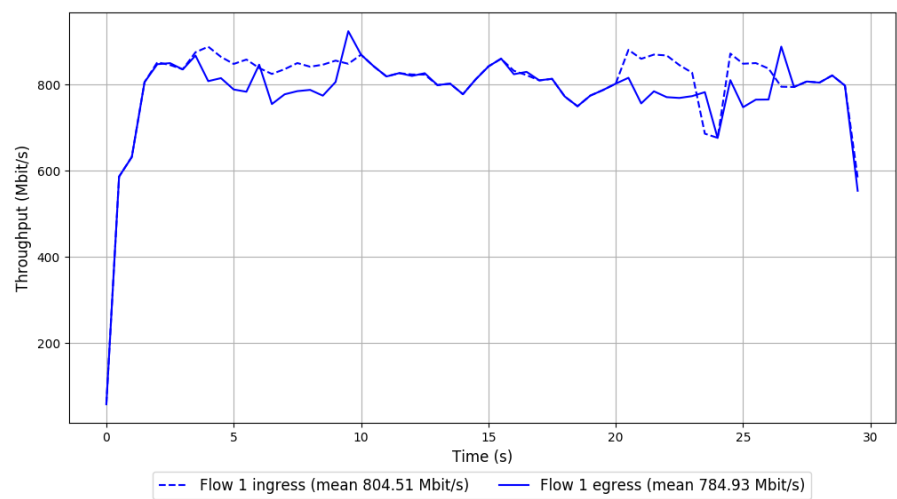


Run 7: Statistics of PCC

Start at: 2018-01-08 21:07:06  
End at: 2018-01-08 21:07:36  
Local clock offset: -13.773 ms  
Remote clock offset: -1.669 ms

# Below is generated by plot.py at 2018-01-09 02:49:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 784.93 Mbit/s  
95th percentile per-packet one-way delay: 69.352 ms  
Loss rate: 2.50%  
-- Flow 1:  
Average throughput: 784.93 Mbit/s  
95th percentile per-packet one-way delay: 69.352 ms  
Loss rate: 2.50%

Run 7: Report of PCC — Data Link

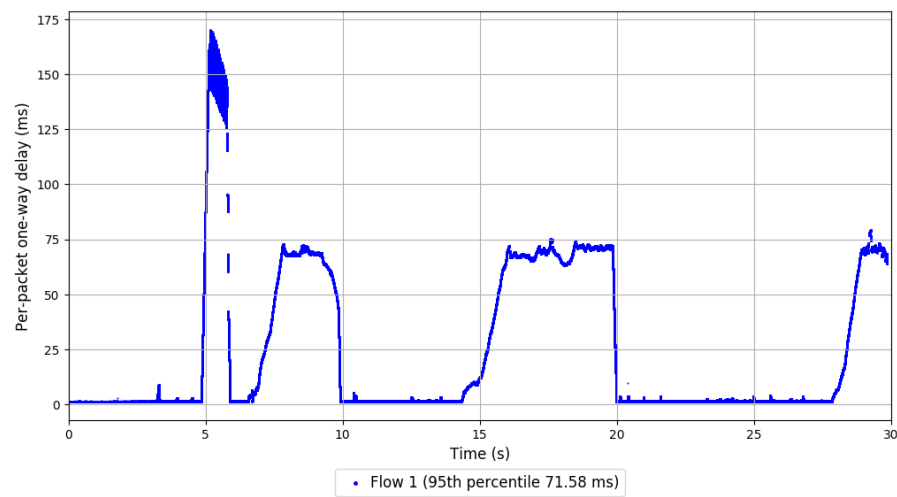
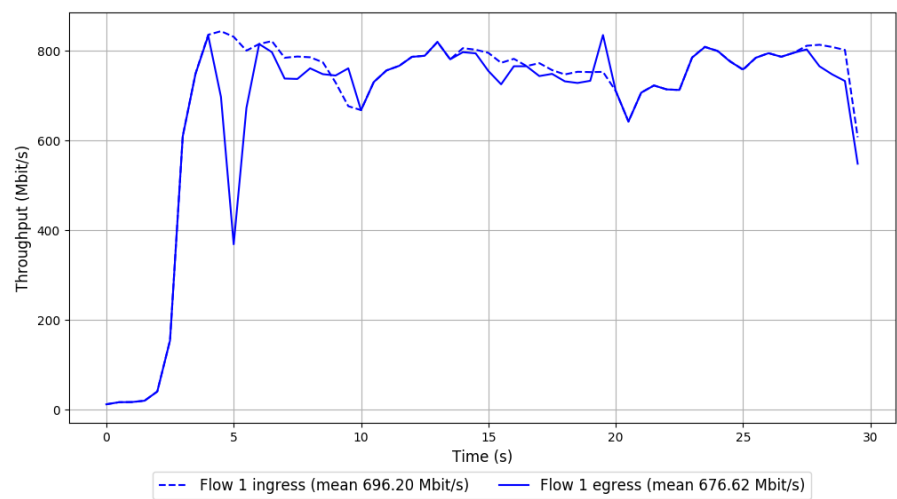


Run 8: Statistics of PCC

Start at: 2018-01-08 21:27:35  
End at: 2018-01-08 21:28:05  
Local clock offset: -17.214 ms  
Remote clock offset: -1.832 ms

# Below is generated by plot.py at 2018-01-09 02:49:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 676.62 Mbit/s  
95th percentile per-packet one-way delay: 71.581 ms  
Loss rate: 2.88%  
-- Flow 1:  
Average throughput: 676.62 Mbit/s  
95th percentile per-packet one-way delay: 71.581 ms  
Loss rate: 2.88%

Run 8: Report of PCC — Data Link

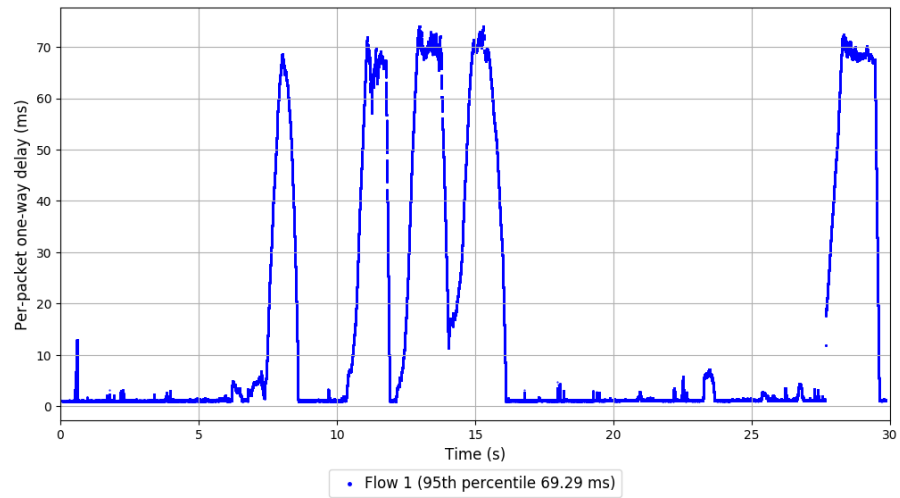
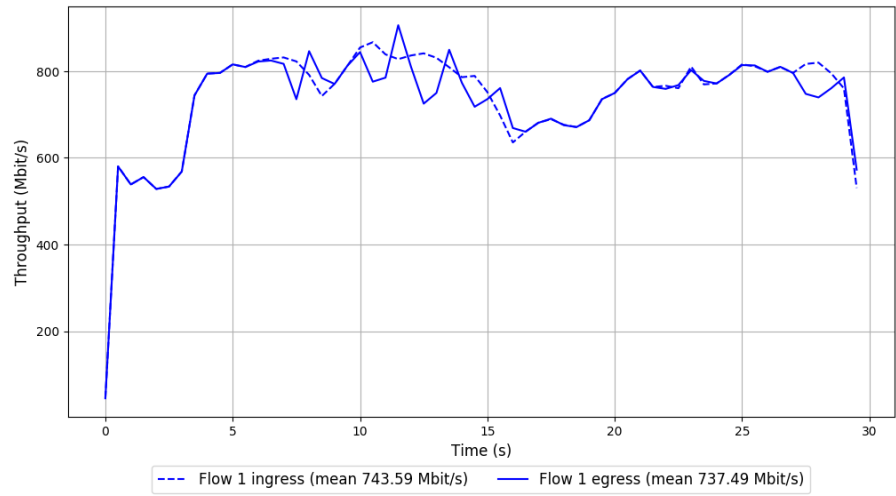


Run 9: Statistics of PCC

Start at: 2018-01-08 21:47:54  
End at: 2018-01-08 21:48:24  
Local clock offset: -17.111 ms  
Remote clock offset: -1.434 ms

# Below is generated by plot.py at 2018-01-09 02:50:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 737.49 Mbit/s  
95th percentile per-packet one-way delay: 69.287 ms  
Loss rate: 0.89%  
-- Flow 1:  
Average throughput: 737.49 Mbit/s  
95th percentile per-packet one-way delay: 69.287 ms  
Loss rate: 0.89%

### Run 9: Report of PCC — Data Link

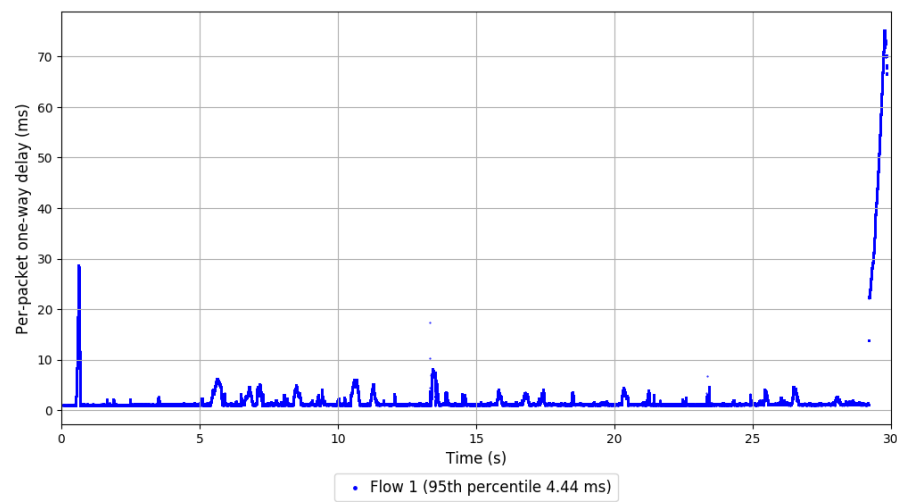
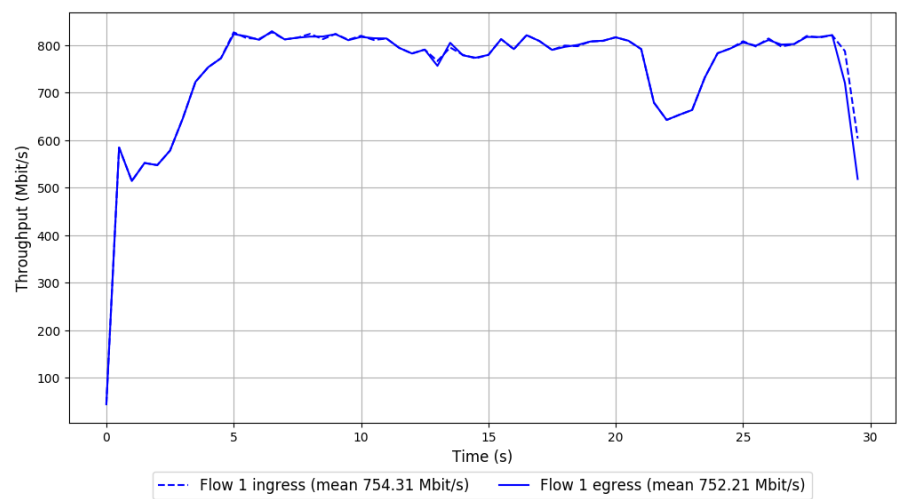


Run 10: Statistics of PCC

Start at: 2018-01-08 22:08:22  
End at: 2018-01-08 22:08:52  
Local clock offset: -16.63 ms  
Remote clock offset: -1.404 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 752.21 Mbit/s  
95th percentile per-packet one-way delay: 4.436 ms  
Loss rate: 0.34%  
-- Flow 1:  
Average throughput: 752.21 Mbit/s  
95th percentile per-packet one-way delay: 4.436 ms  
Loss rate: 0.34%

Run 10: Report of PCC — Data Link

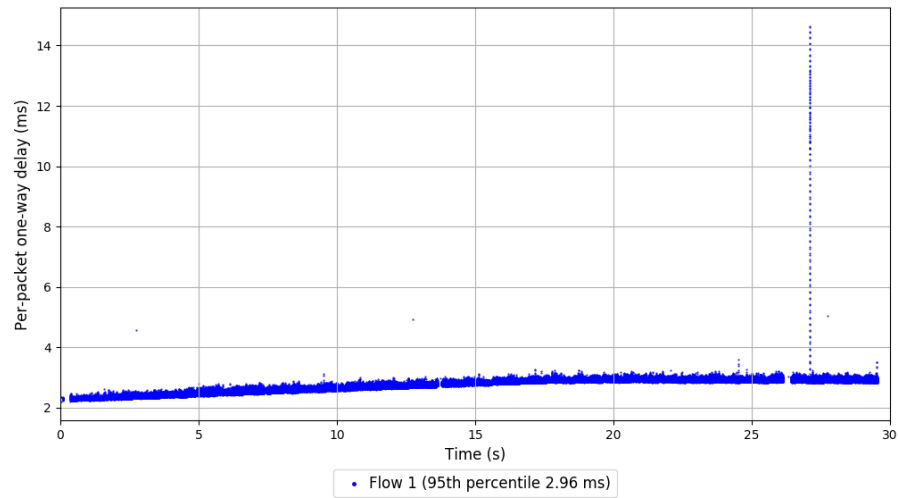
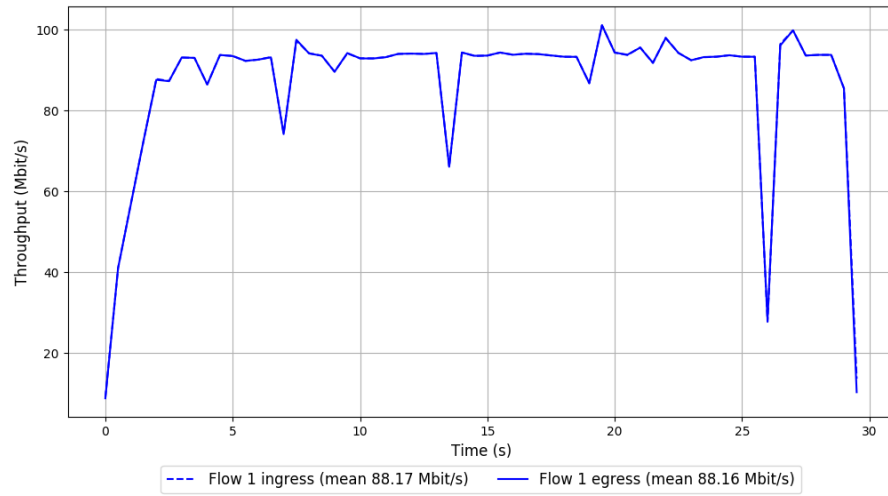


Run 1: Statistics of QUIC Cubic

Start at: 2018-01-08 18:53:01  
End at: 2018-01-08 18:53:31  
Local clock offset: -13.632 ms  
Remote clock offset: -1.579 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.16 Mbit/s  
95th percentile per-packet one-way delay: 2.963 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 88.16 Mbit/s  
95th percentile per-packet one-way delay: 2.963 ms  
Loss rate: 0.08%

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

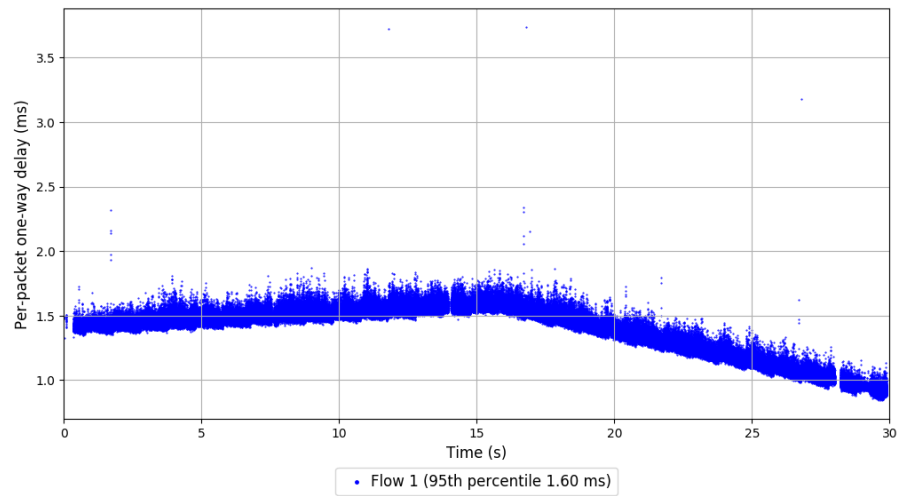
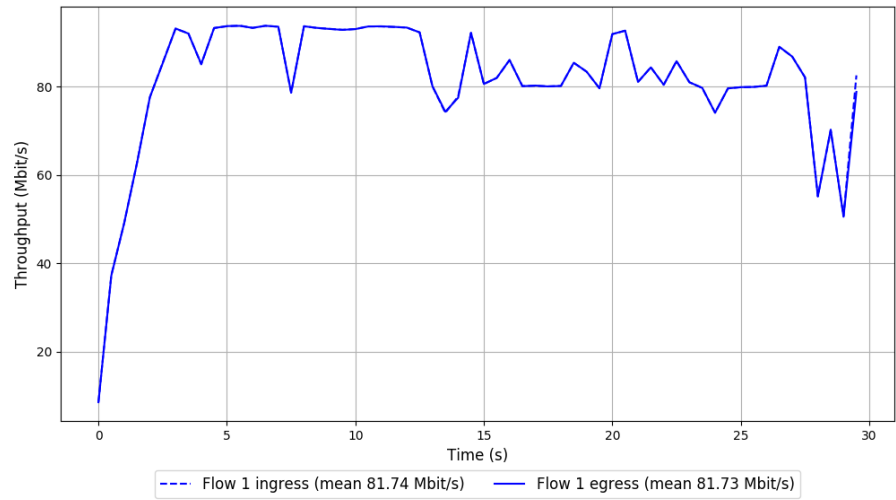


Run 2: Statistics of QUIC Cubic

Start at: 2018-01-08 19:13:27  
End at: 2018-01-08 19:13:57  
Local clock offset: -15.416 ms  
Remote clock offset: -1.099 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.73 Mbit/s  
95th percentile per-packet one-way delay: 1.603 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 81.73 Mbit/s  
95th percentile per-packet one-way delay: 1.603 ms  
Loss rate: 0.08%

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

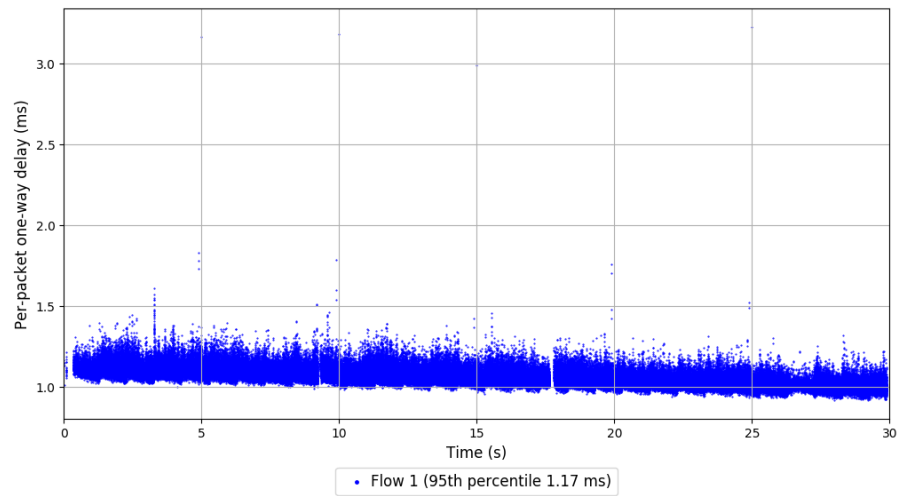
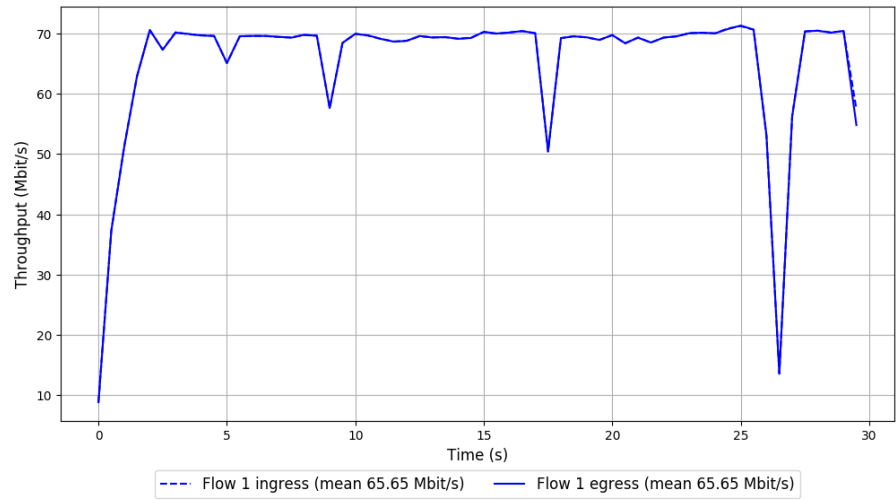


Run 3: Statistics of QUIC Cubic

Start at: 2018-01-08 19:33:50  
End at: 2018-01-08 19:34:20  
Local clock offset: -7.239 ms  
Remote clock offset: -0.508 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 65.65 Mbit/s  
95th percentile per-packet one-way delay: 1.167 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 65.65 Mbit/s  
95th percentile per-packet one-way delay: 1.167 ms  
Loss rate: 0.07%

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

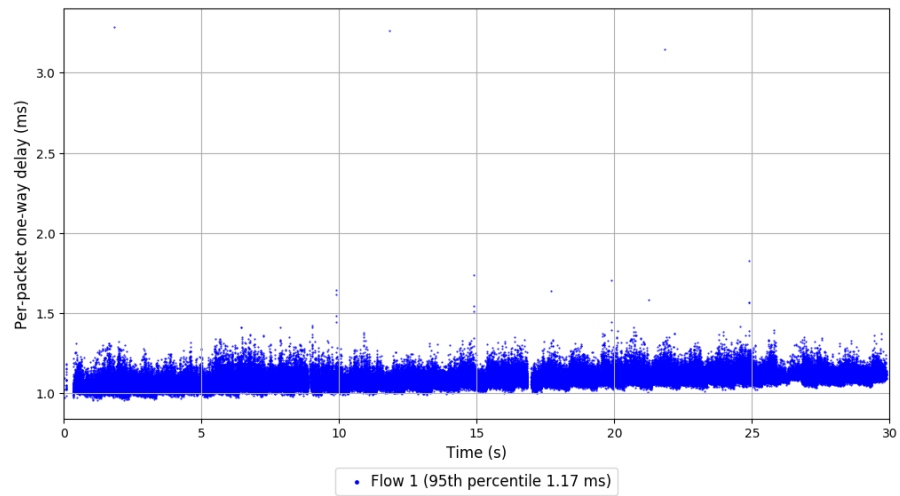
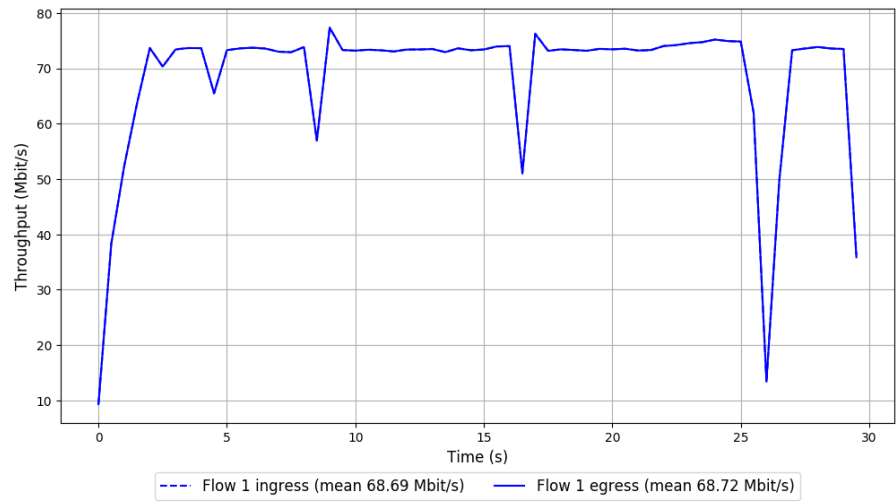


Run 4: Statistics of QUIC Cubic

Start at: 2018-01-08 19:54:07  
End at: 2018-01-08 19:54:37  
Local clock offset: -7.282 ms  
Remote clock offset: -0.427 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.72 Mbit/s  
95th percentile per-packet one-way delay: 1.168 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 68.72 Mbit/s  
95th percentile per-packet one-way delay: 1.168 ms  
Loss rate: 0.01%

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

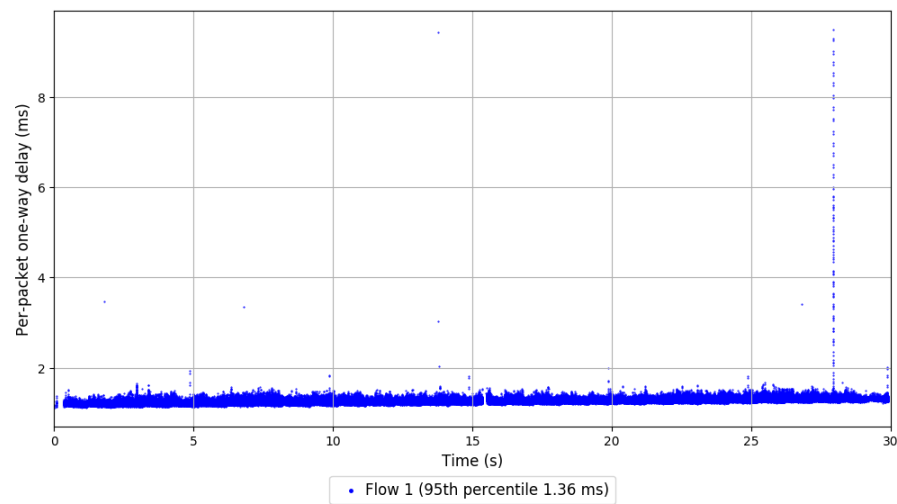
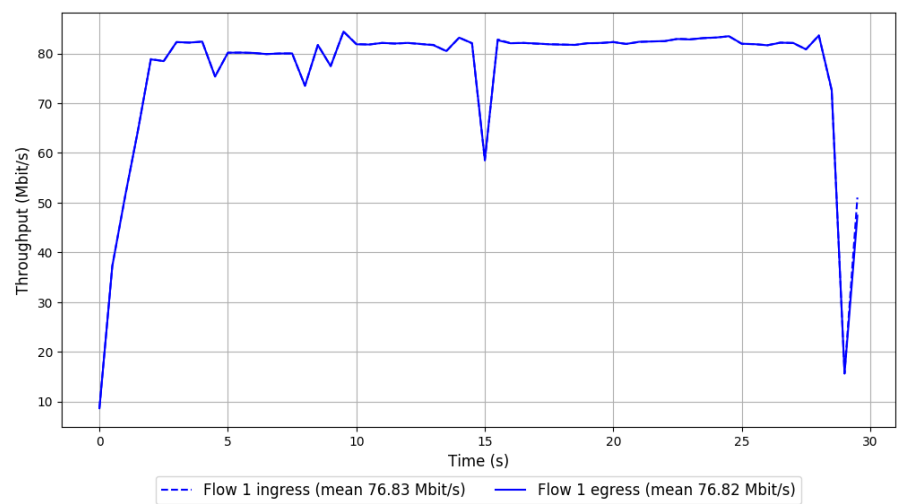


Run 5: Statistics of QUIC Cubic

Start at: 2018-01-08 20:14:26  
End at: 2018-01-08 20:14:56  
Local clock offset: -10.793 ms  
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.82 Mbit/s  
95th percentile per-packet one-way delay: 1.357 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 76.82 Mbit/s  
95th percentile per-packet one-way delay: 1.357 ms  
Loss rate: 0.08%

Run 5: Report of QUIC Cubic — Data Link

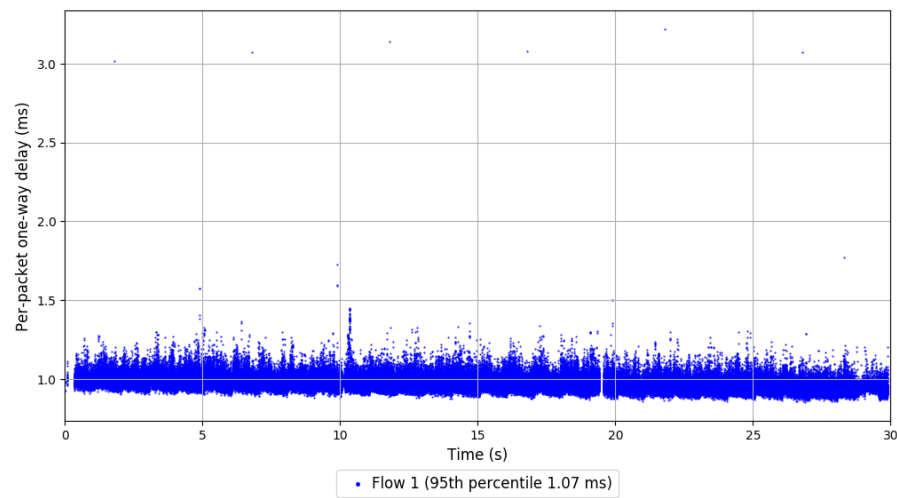
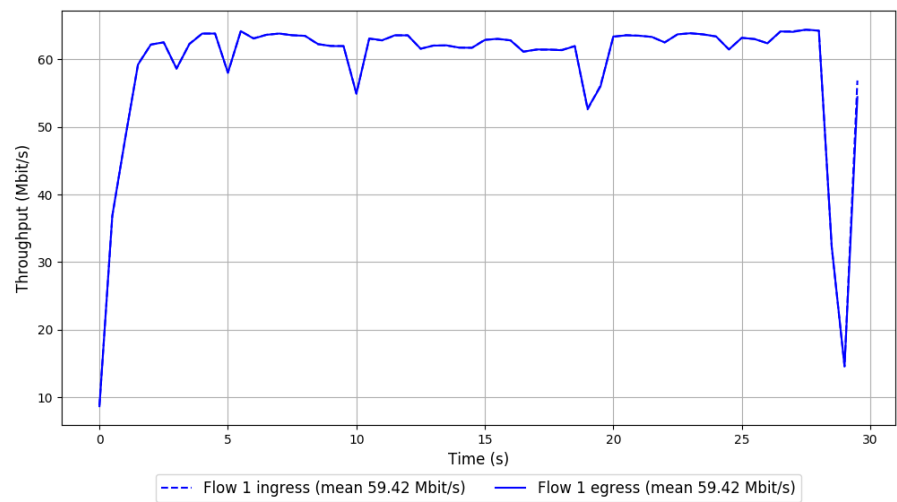


Run 6: Statistics of QUIC Cubic

Start at: 2018-01-08 20:34:25  
End at: 2018-01-08 20:34:55  
Local clock offset: -10.393 ms  
Remote clock offset: -0.683 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 59.42 Mbit/s  
95th percentile per-packet one-way delay: 1.066 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 59.42 Mbit/s  
95th percentile per-packet one-way delay: 1.066 ms  
Loss rate: 0.07%

Run 6: Report of QUIC Cubic — Data Link

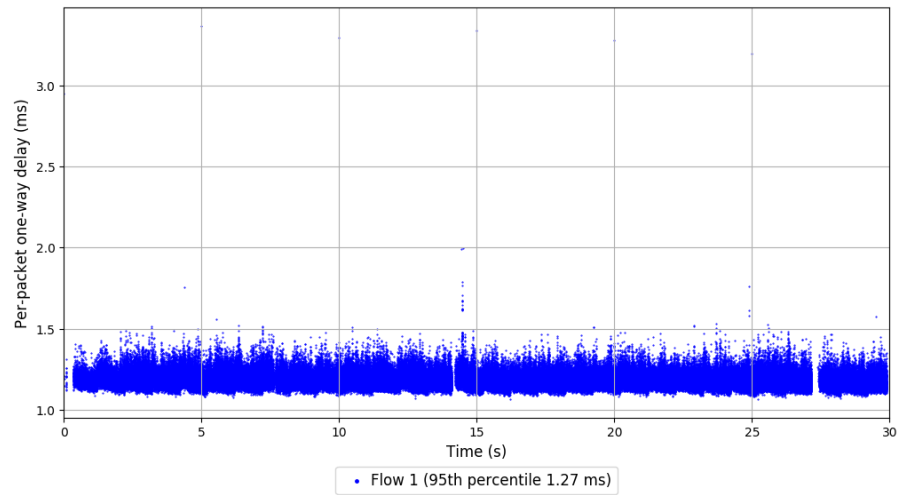
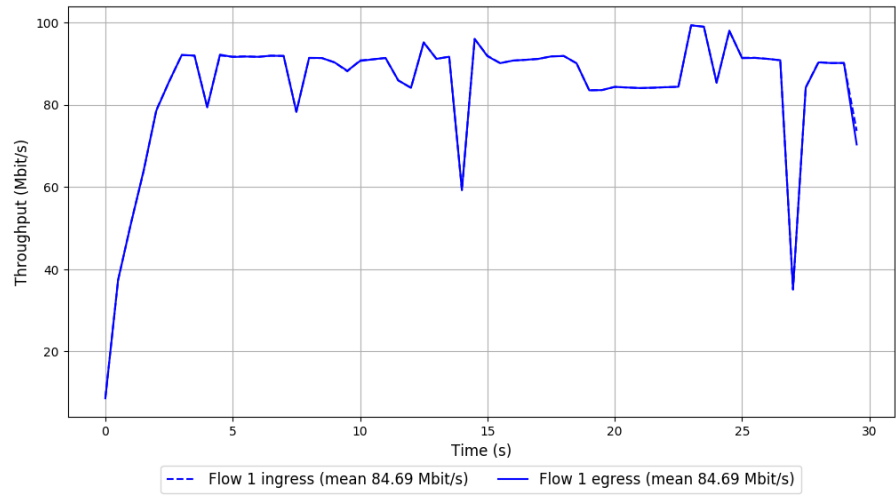


Run 7: Statistics of QUIC Cubic

Start at: 2018-01-08 20:54:51  
End at: 2018-01-08 20:55:22  
Local clock offset: -13.037 ms  
Remote clock offset: -1.272 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.69 Mbit/s  
95th percentile per-packet one-way delay: 1.271 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 84.69 Mbit/s  
95th percentile per-packet one-way delay: 1.271 ms  
Loss rate: 0.07%

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

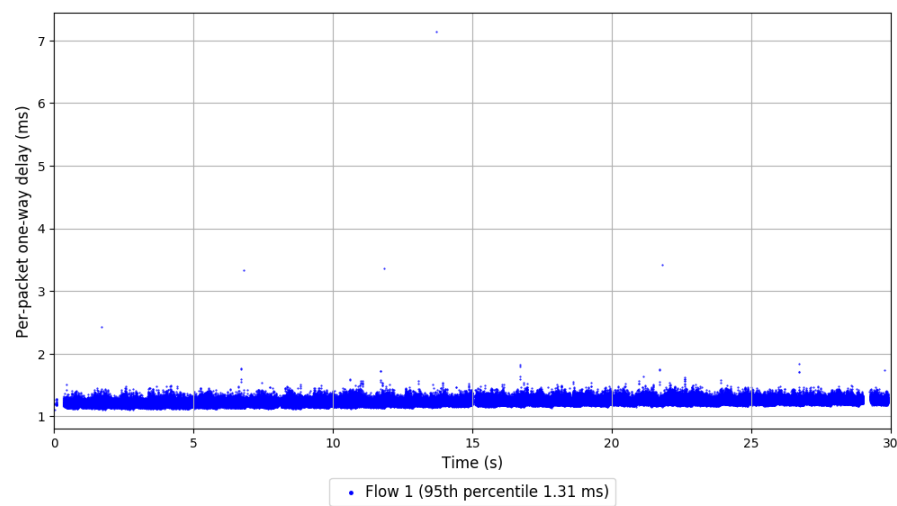
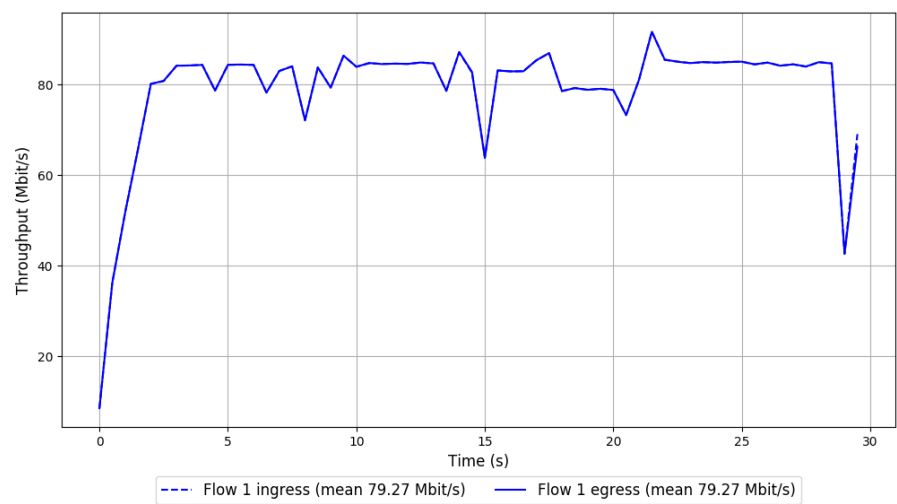


Run 8: Statistics of QUIC Cubic

Start at: 2018-01-08 21:15:25  
End at: 2018-01-08 21:15:55  
Local clock offset: -14.842 ms  
Remote clock offset: -1.914 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.27 Mbit/s  
95th percentile per-packet one-way delay: 1.309 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 79.27 Mbit/s  
95th percentile per-packet one-way delay: 1.309 ms  
Loss rate: 0.06%

Run 8: Report of QUIC Cubic — Data Link

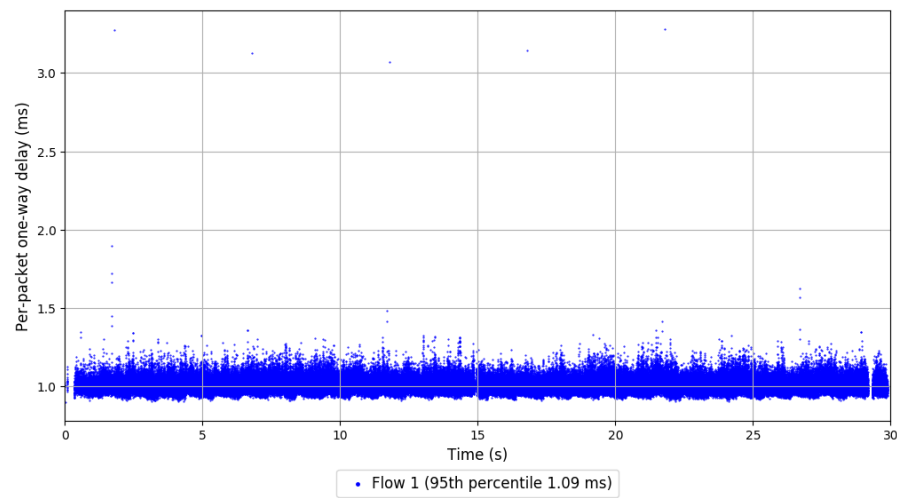
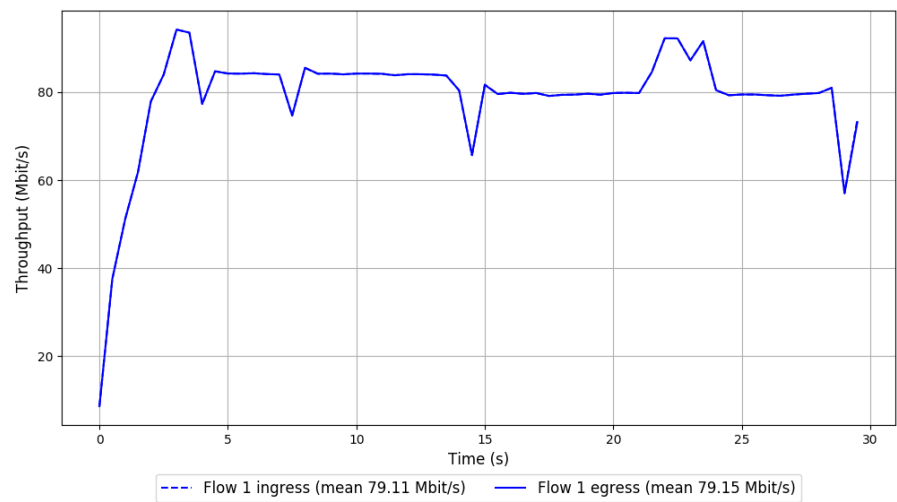


Run 9: Statistics of QUIC Cubic

Start at: 2018-01-08 21:35:51  
End at: 2018-01-08 21:36:21  
Local clock offset: -16.819 ms  
Remote clock offset: -1.721 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.15 Mbit/s  
95th percentile per-packet one-way delay: 1.088 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 79.15 Mbit/s  
95th percentile per-packet one-way delay: 1.088 ms  
Loss rate: 0.02%

Run 9: Report of QUIC Cubic — Data Link

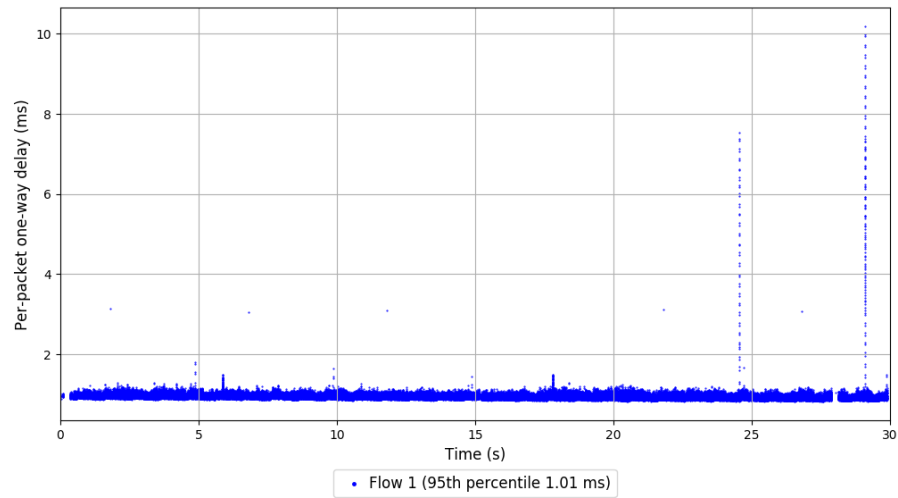
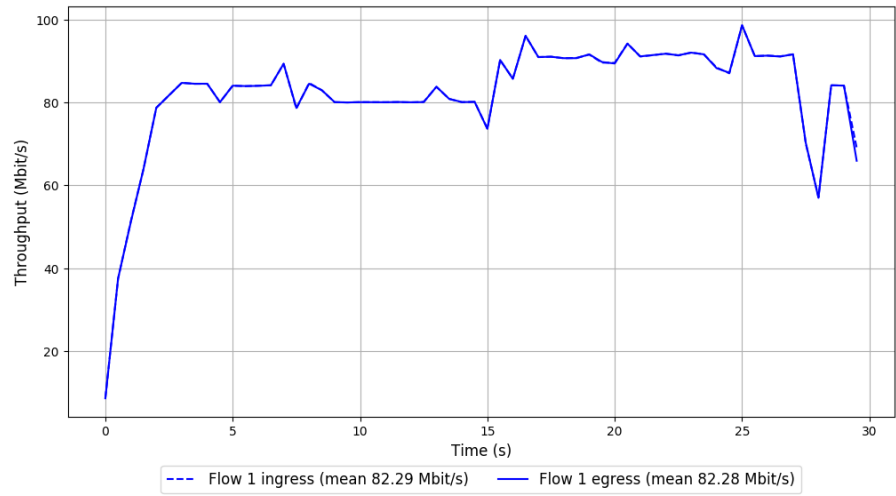


Run 10: Statistics of QUIC Cubic

Start at: 2018-01-08 21:56:11  
End at: 2018-01-08 21:56:41  
Local clock offset: -17.08 ms  
Remote clock offset: -1.526 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.28 Mbit/s  
95th percentile per-packet one-way delay: 1.015 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 82.28 Mbit/s  
95th percentile per-packet one-way delay: 1.015 ms  
Loss rate: 0.07%

### Run 10: Report of QUIC Cubic — Data Link

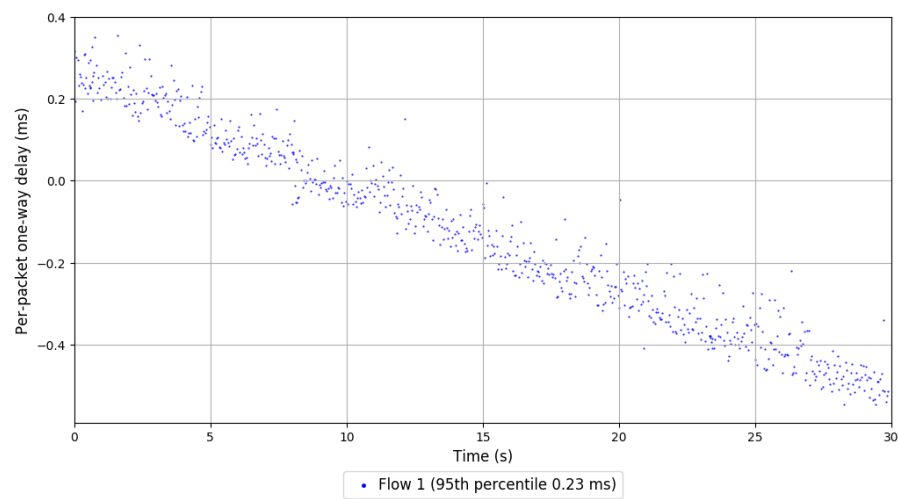
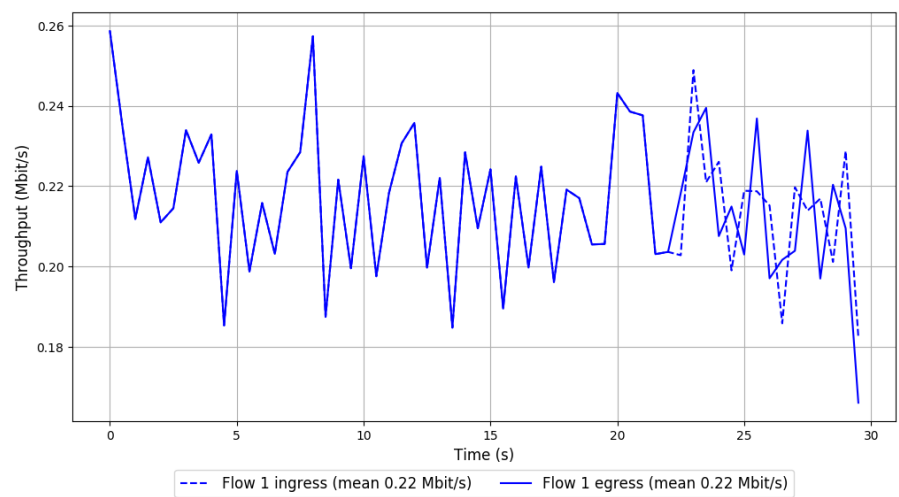


Run 1: Statistics of SCReAM

Start at: 2018-01-08 19:06:40  
End at: 2018-01-08 19:07:10  
Local clock offset: -18.476 ms  
Remote clock offset: -1.252 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 0.233 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 0.233 ms  
Loss rate: 0.13%

Run 1: Report of SReAM — Data Link

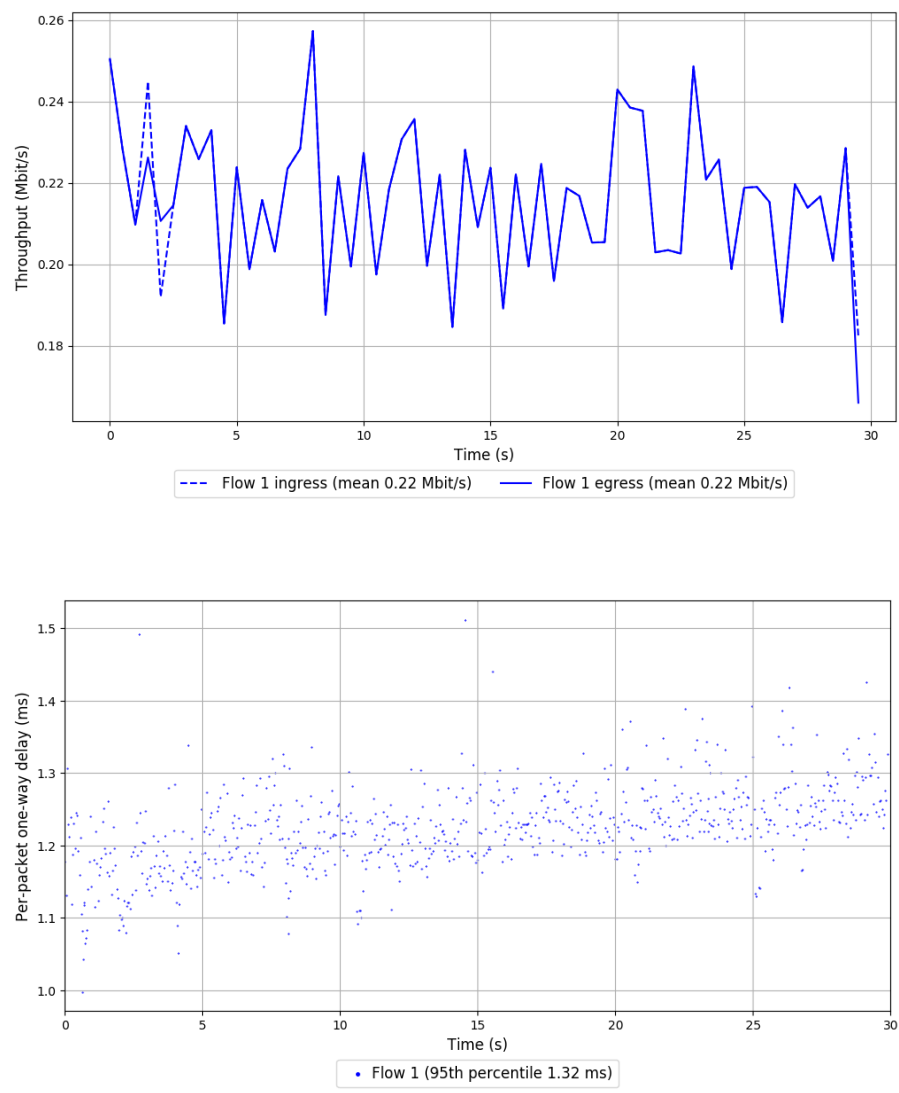


Run 2: Statistics of SCReAM

Start at: 2018-01-08 19:27:00  
End at: 2018-01-08 19:27:30  
Local clock offset: -5.183 ms  
Remote clock offset: -0.558 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.317 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.317 ms  
Loss rate: 0.13%

Run 2: Report of SReAM — Data Link

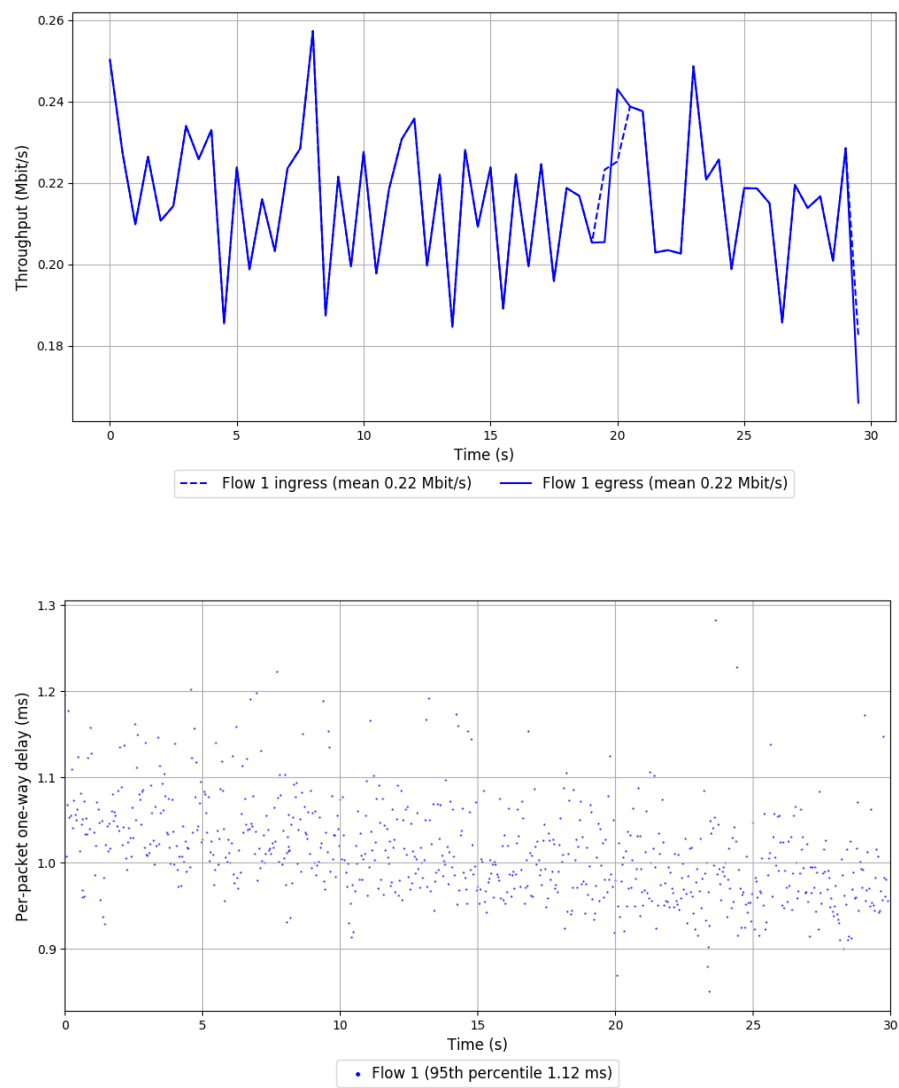


Run 3: Statistics of SCReAM

Start at: 2018-01-08 19:47:21  
End at: 2018-01-08 19:47:51  
Local clock offset: -7.398 ms  
Remote clock offset: -0.515 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.124 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.124 ms  
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-01-08 20:07:40

End at: 2018-01-08 20:08:10

Local clock offset: -9.218 ms

Remote clock offset: -0.19 ms

# Below is generated by plot.py at 2018-01-09 03:02:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.339 ms

Loss rate: 0.13%

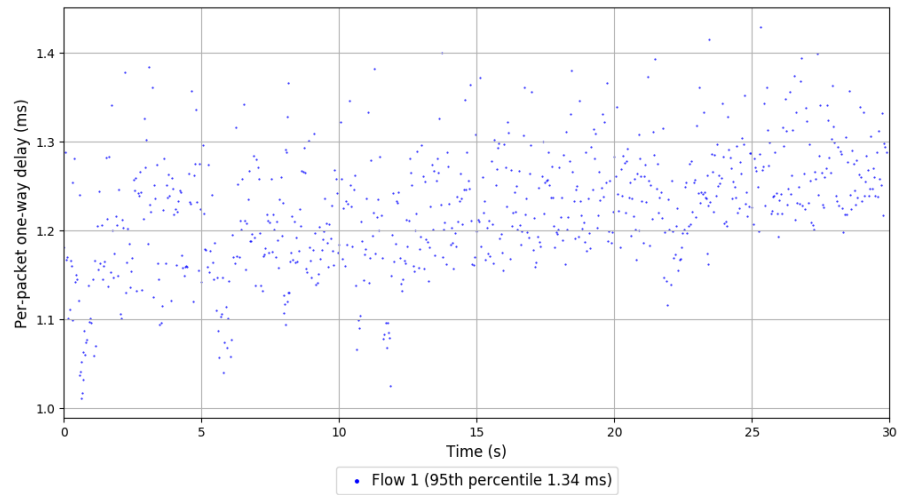
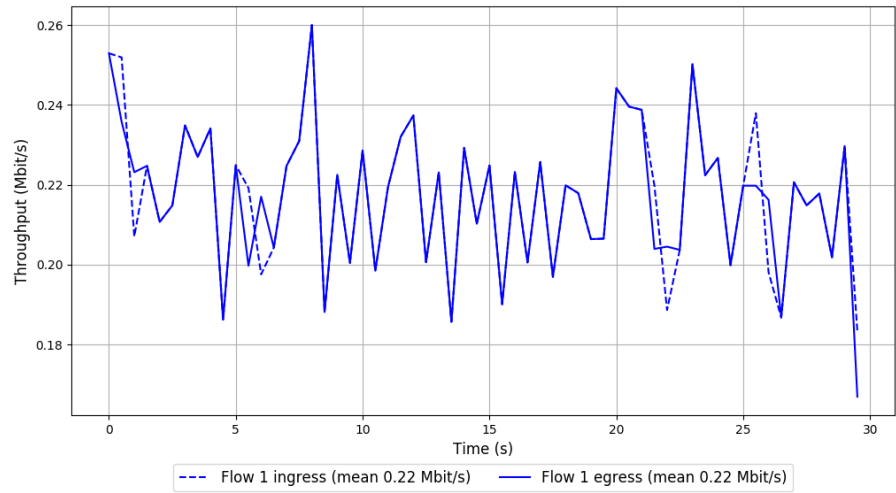
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.339 ms

Loss rate: 0.13%

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

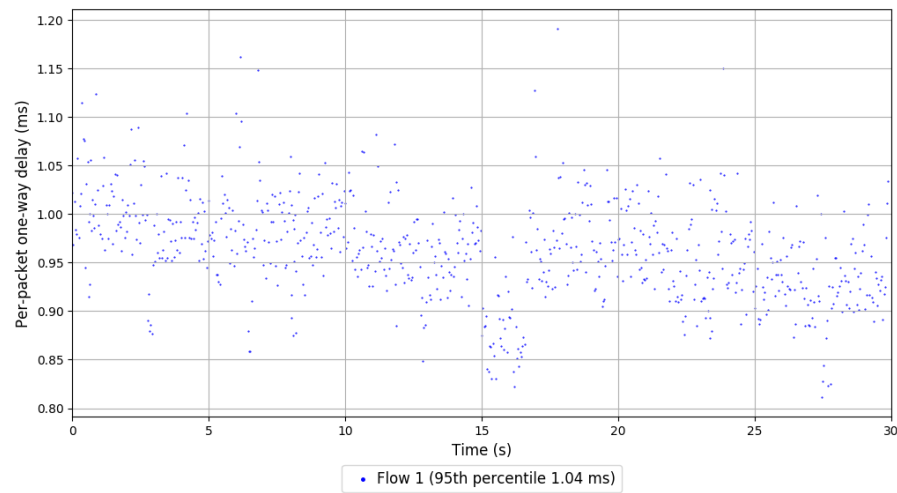
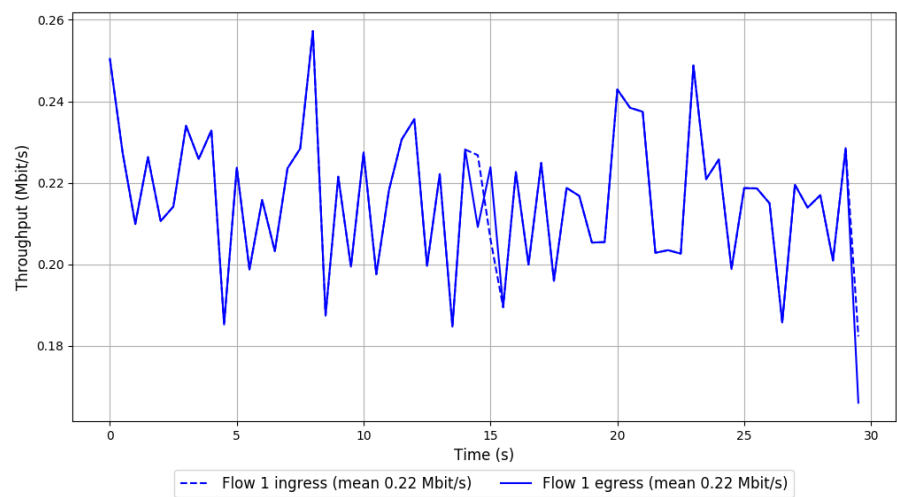


Run 5: Statistics of SCReAM

Start at: 2018-01-08 20:27:38  
End at: 2018-01-08 20:28:08  
Local clock offset: -11.493 ms  
Remote clock offset: -0.506 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.042 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.042 ms  
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

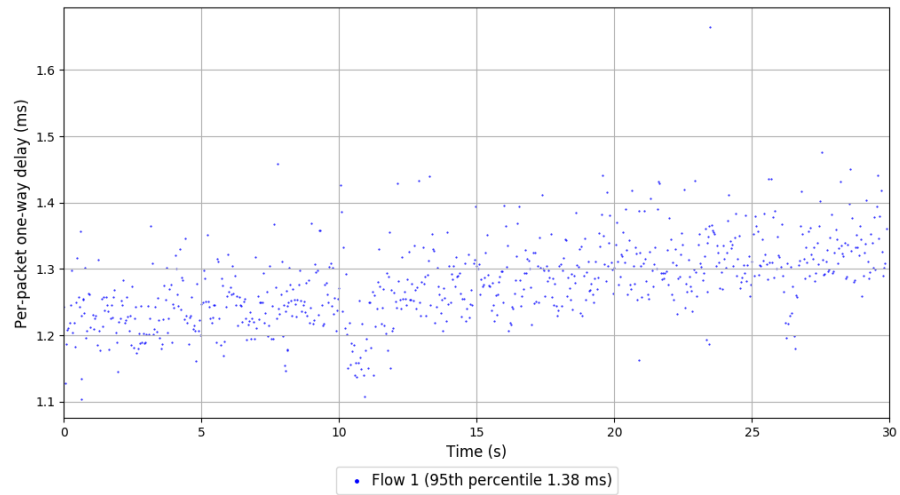
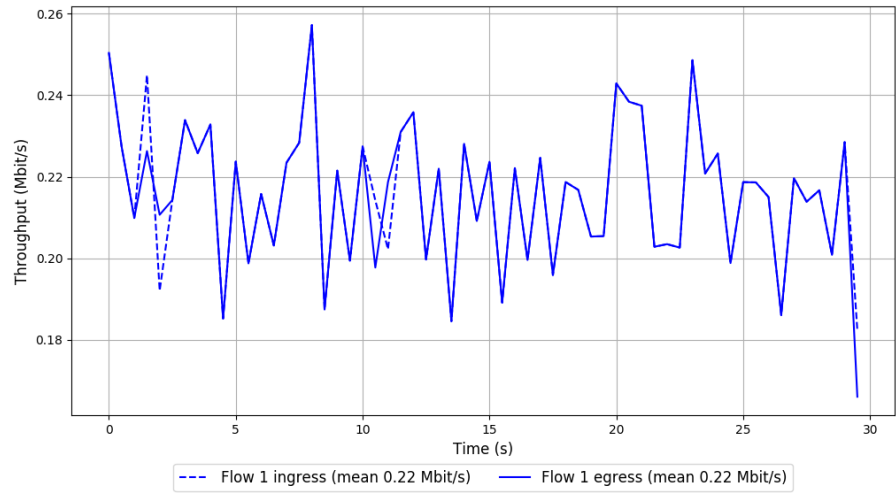


Run 6: Statistics of SCReAM

Start at: 2018-01-08 20:48:05  
End at: 2018-01-08 20:48:35  
Local clock offset: -11.516 ms  
Remote clock offset: -1.058 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.383 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.383 ms  
Loss rate: 0.13%

## Run 6: Report of SReAM — Data Link

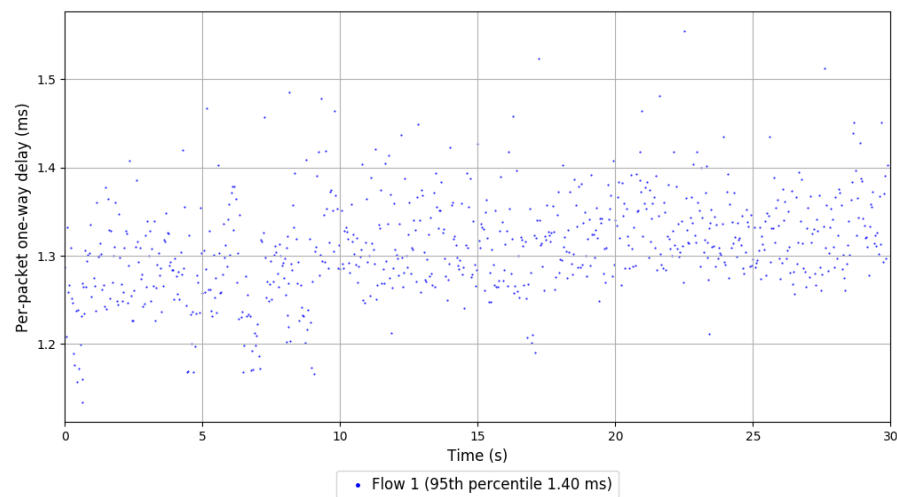
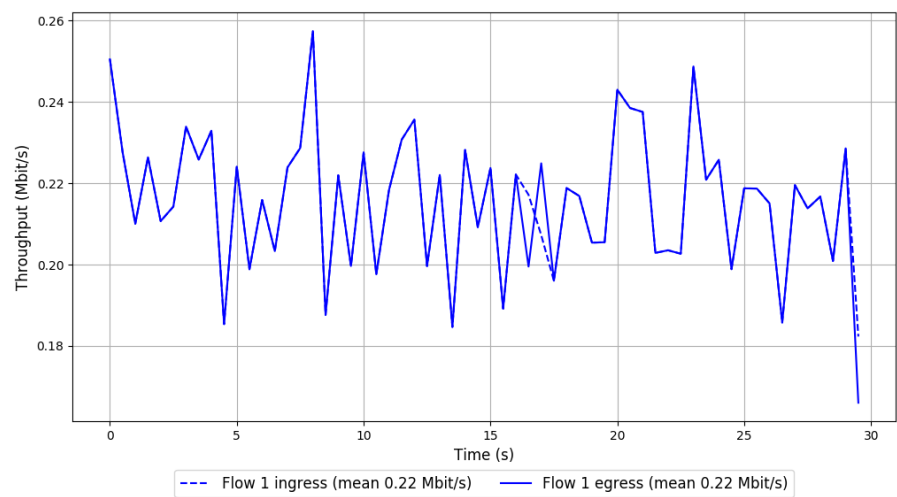


Run 7: Statistics of SCReAM

Start at: 2018-01-08 21:08:39  
End at: 2018-01-08 21:09:09  
Local clock offset: -13.916 ms  
Remote clock offset: -1.726 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.403 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.403 ms  
Loss rate: 0.13%

Run 7: Report of SReAM — Data Link

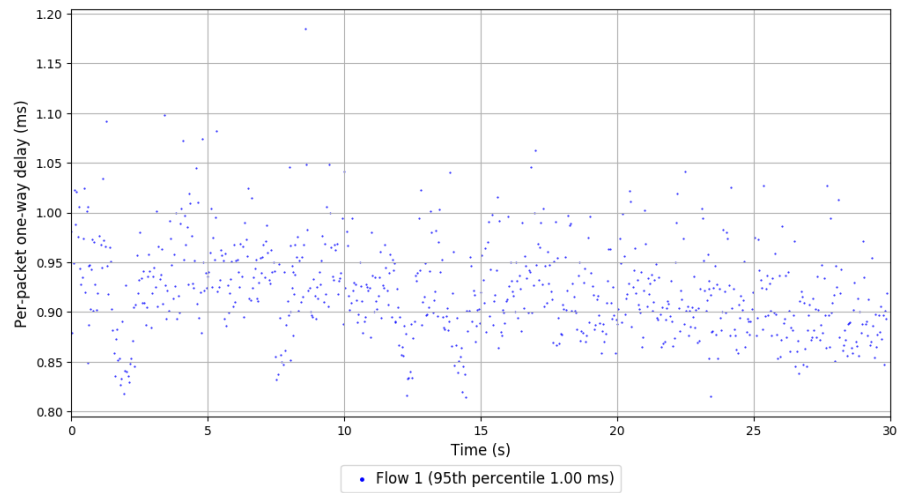
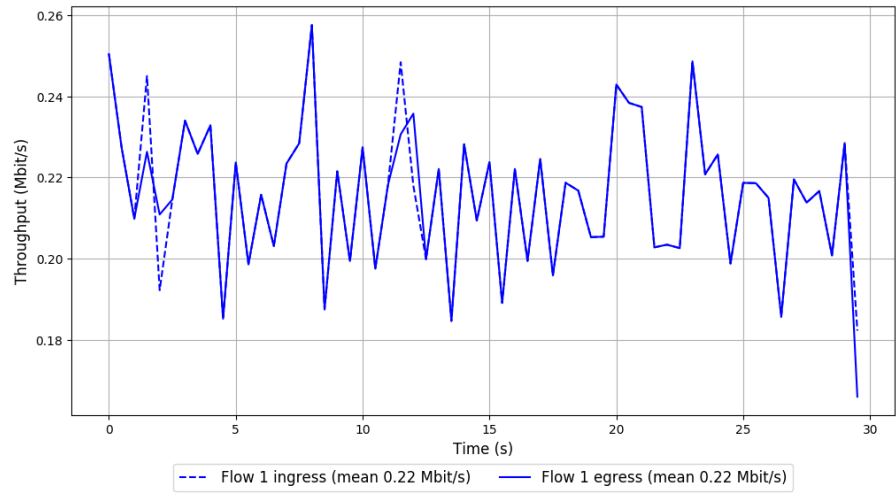


Run 8: Statistics of SCReAM

Start at: 2018-01-08 21:29:06  
End at: 2018-01-08 21:29:36  
Local clock offset: -17.38 ms  
Remote clock offset: -1.724 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.004 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.004 ms  
Loss rate: 0.13%

## Run 8: Report of SReAM — Data Link

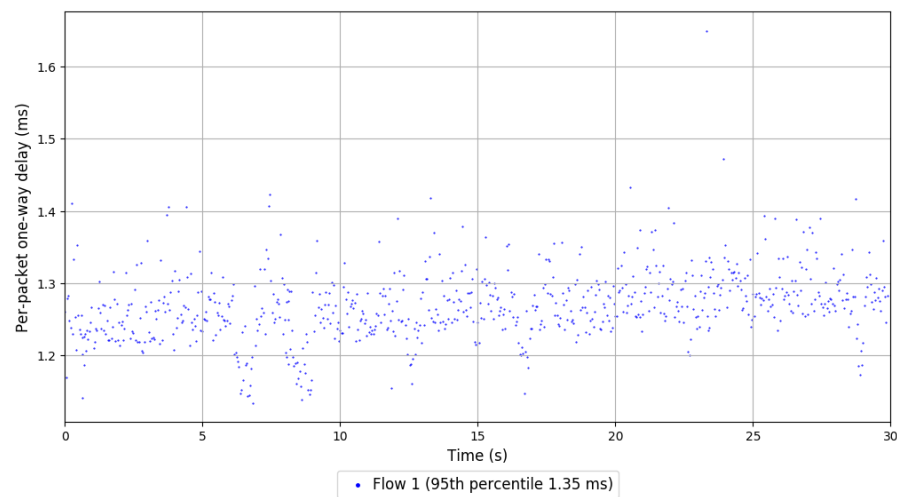
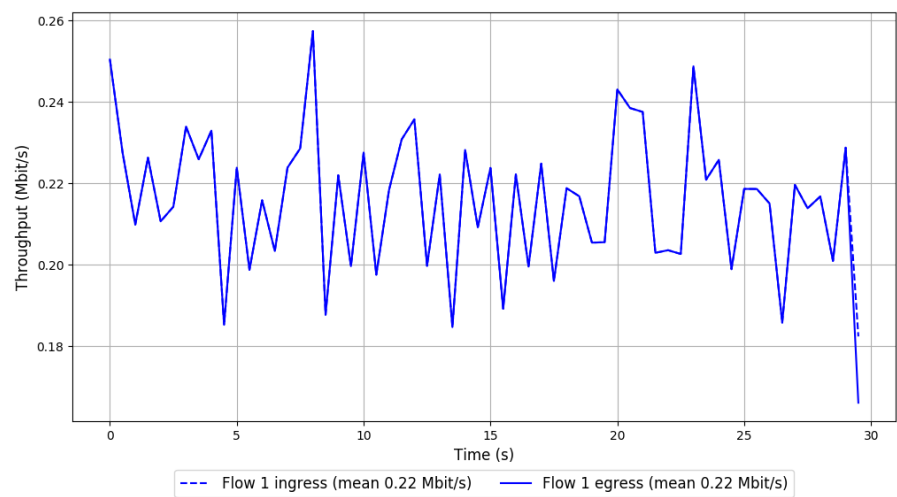


Run 9: Statistics of SCReAM

Start at: 2018-01-08 21:49:25  
End at: 2018-01-08 21:49:55  
Local clock offset: -17.121 ms  
Remote clock offset: -1.502 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.352 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.352 ms  
Loss rate: 0.13%

Run 9: Report of SReAM — Data Link

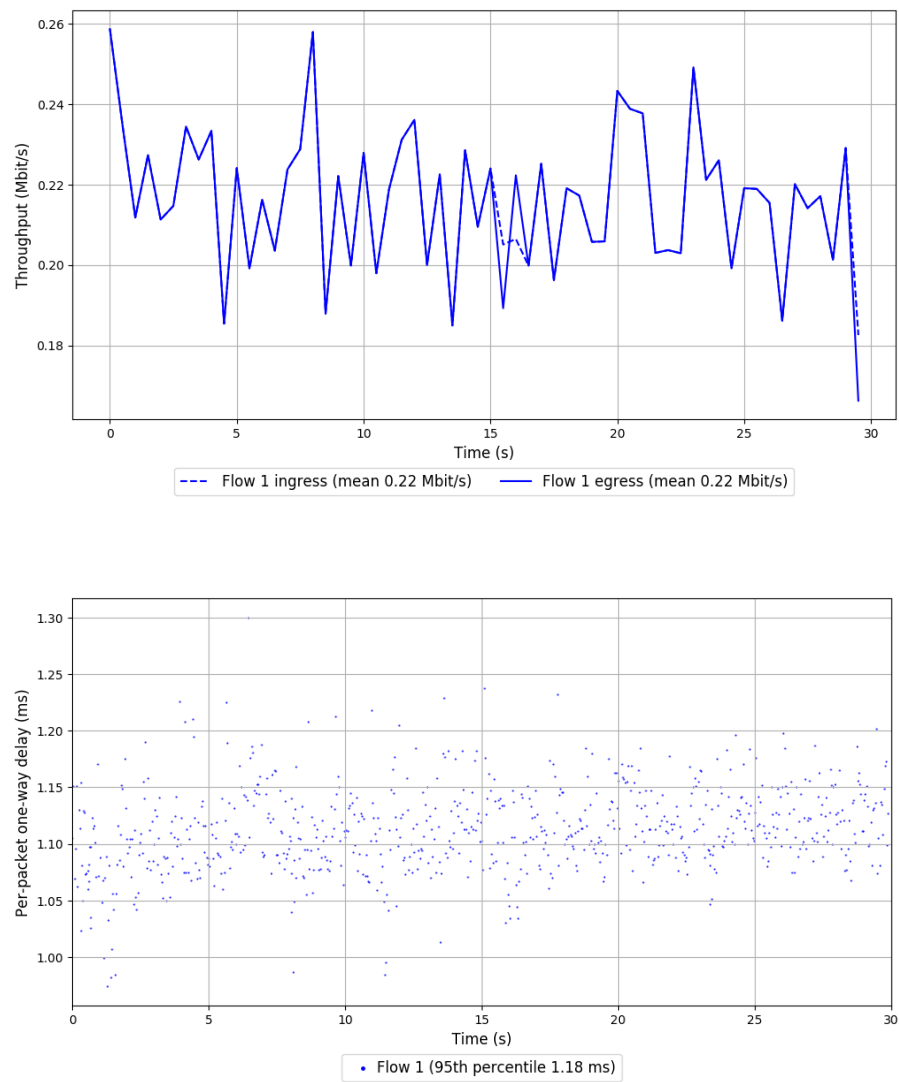


Run 10: Statistics of SReAM

Start at: 2018-01-08 22:09:54  
End at: 2018-01-08 22:10:24  
Local clock offset: -16.626 ms  
Remote clock offset: -1.329 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.176 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.176 ms  
Loss rate: 0.13%

Run 10: Report of SCReAM — Data Link

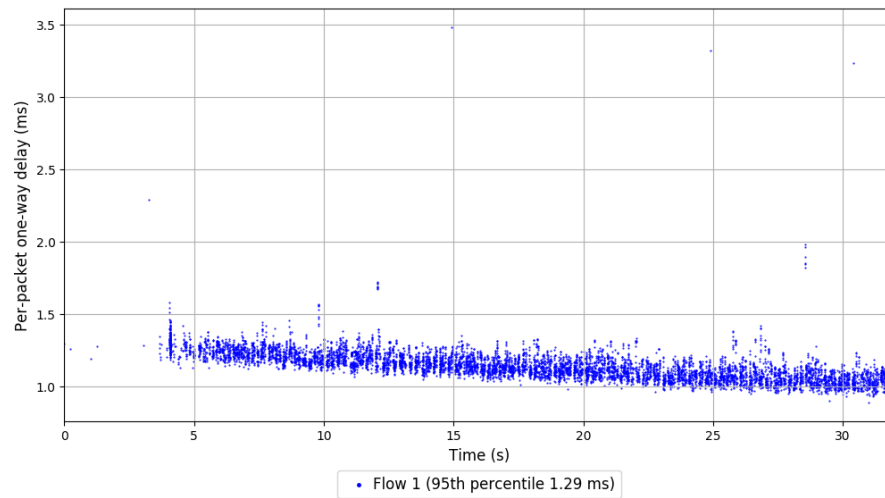
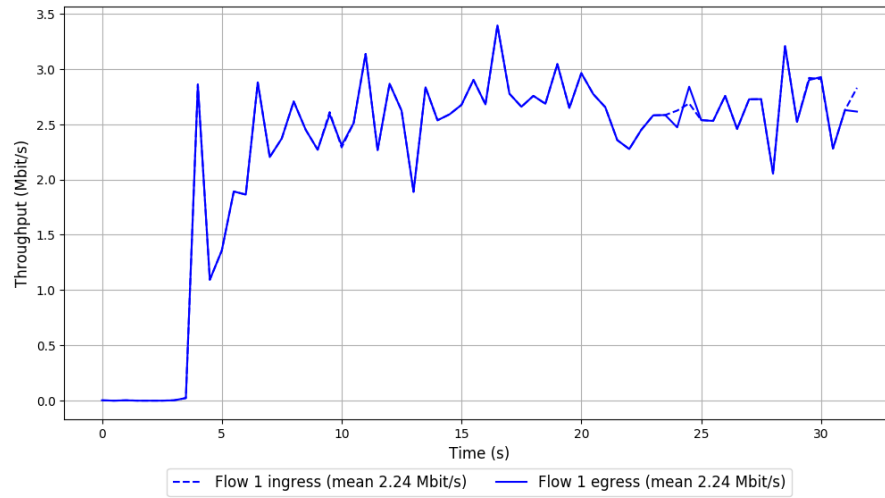


```
Run 1: Statistics of WebRTC media

Start at: 2018-01-08 18:55:42
End at: 2018-01-08 18:56:12
Local clock offset: -15.827 ms
Remote clock offset: -1.544 ms

# Below is generated by plot.py at 2018-01-09 03:02:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 1.289 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 1.289 ms
Loss rate: 0.15%
```

# Run 1: Report of WebRTC media — Data Link

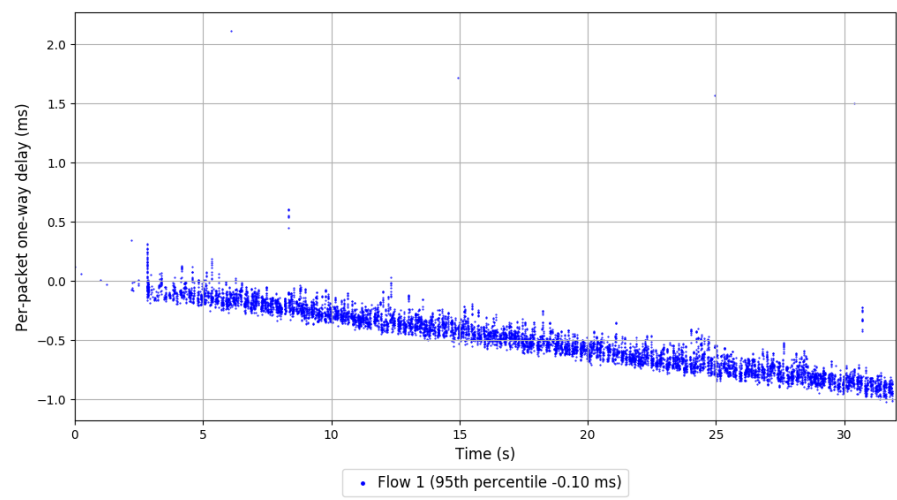
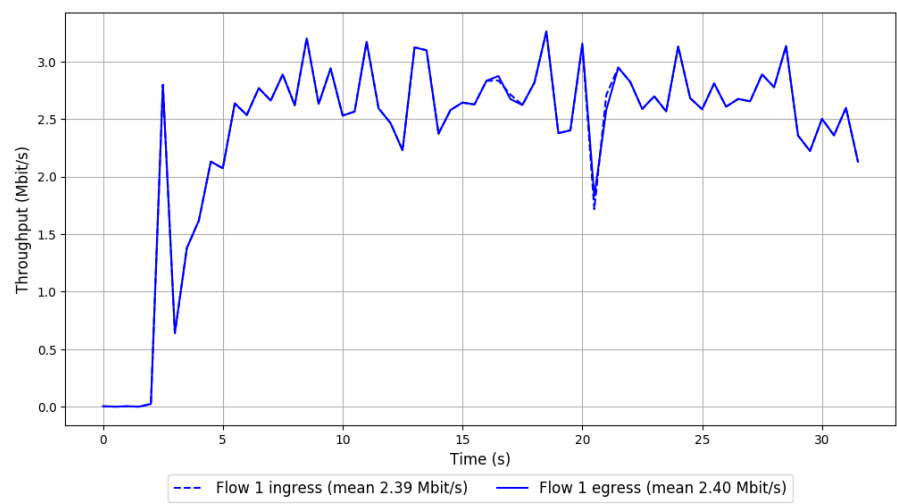


Run 2: Statistics of WebRTC media

Start at: 2018-01-08 19:16:04  
End at: 2018-01-08 19:16:34  
Local clock offset: -11.127 ms  
Remote clock offset: -0.944 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.40 Mbit/s  
95th percentile per-packet one-way delay: -0.096 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.40 Mbit/s  
95th percentile per-packet one-way delay: -0.096 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-01-08 19:36:28

End at: 2018-01-08 19:36:58

Local clock offset: -6.958 ms

Remote clock offset: -0.38 ms

# Below is generated by plot.py at 2018-01-09 03:02:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 1.125 ms

Loss rate: 0.15%

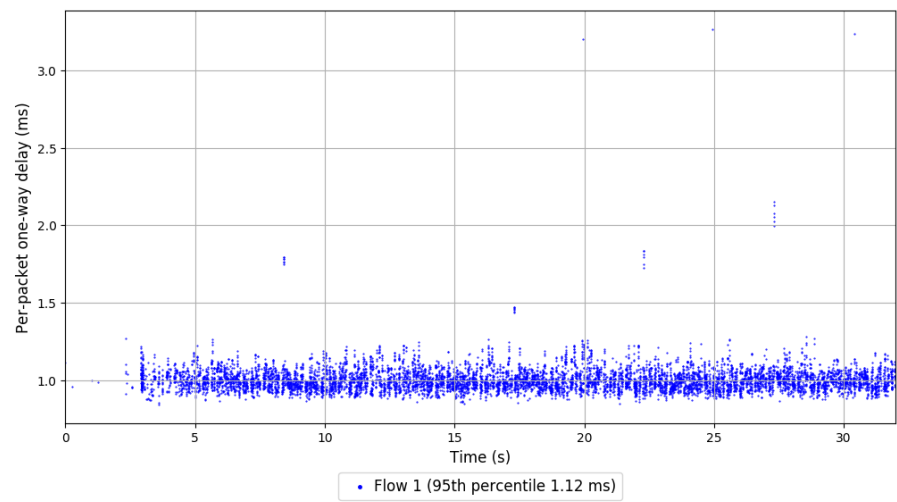
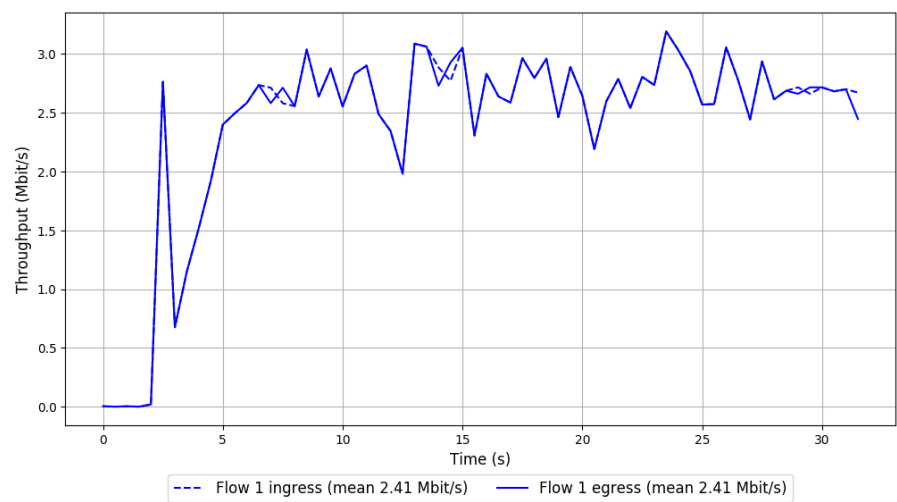
-- Flow 1:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 1.125 ms

Loss rate: 0.15%

Run 3: Report of WebRTC media — Data Link

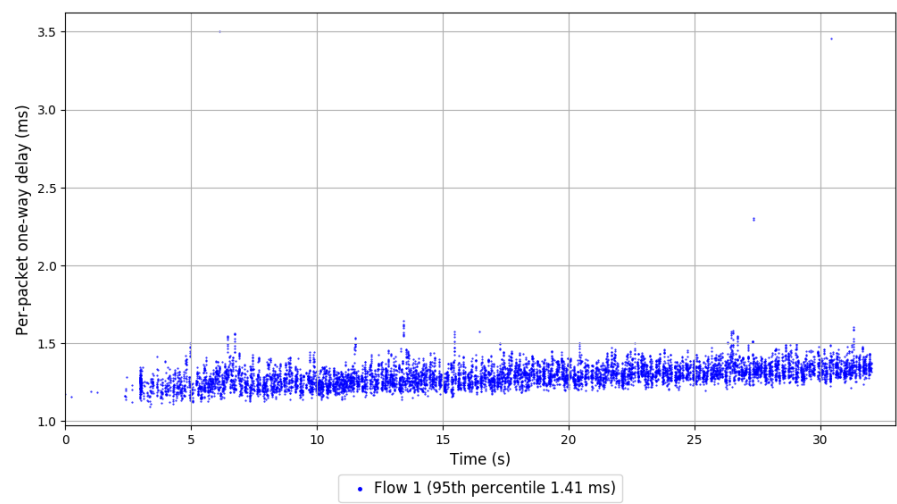
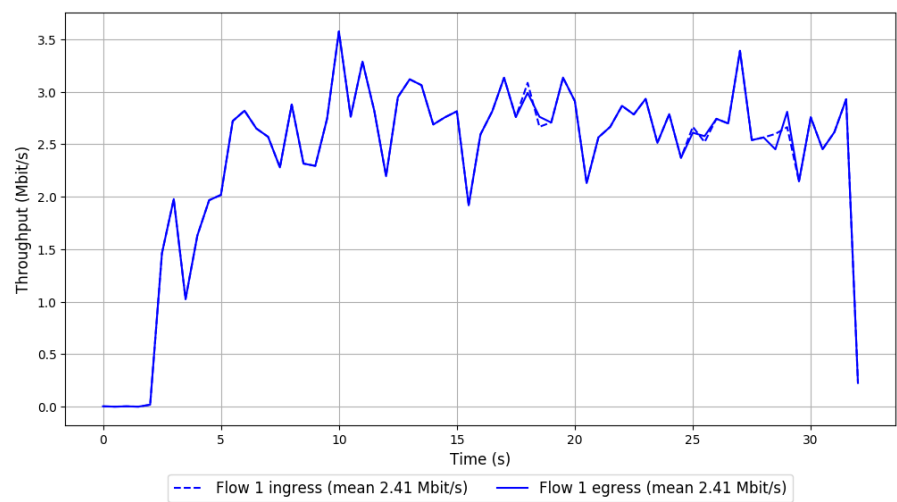


Run 4: Statistics of WebRTC media

Start at: 2018-01-08 19:56:46  
End at: 2018-01-08 19:57:16  
Local clock offset: -7.713 ms  
Remote clock offset: -0.387 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.41 Mbit/s  
95th percentile per-packet one-way delay: 1.412 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.41 Mbit/s  
95th percentile per-packet one-way delay: 1.412 ms  
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link

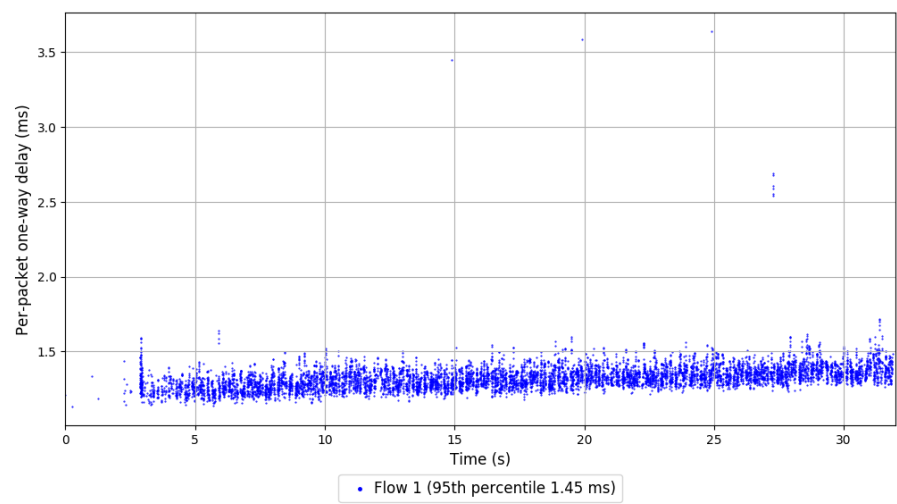
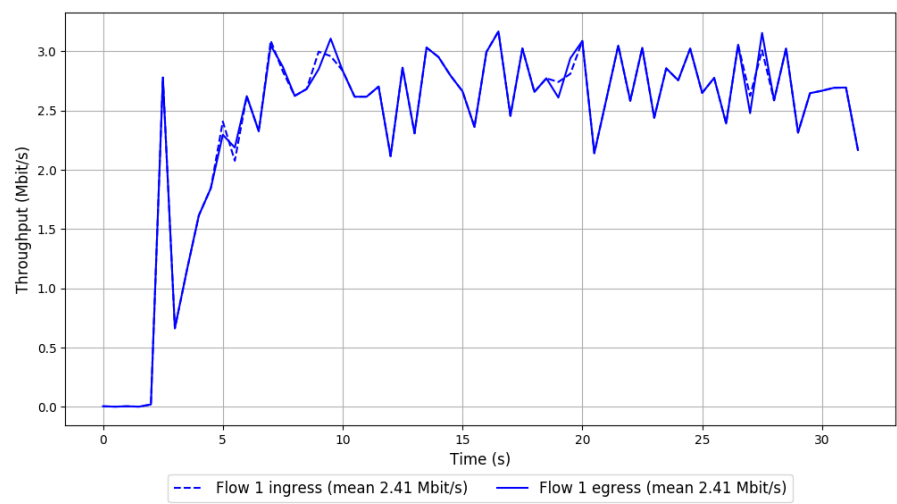


Run 5: Statistics of WebRTC media

Start at: 2018-01-08 20:17:01  
End at: 2018-01-08 20:17:31  
Local clock offset: -11.633 ms  
Remote clock offset: -0.272 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.41 Mbit/s  
95th percentile per-packet one-way delay: 1.447 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.41 Mbit/s  
95th percentile per-packet one-way delay: 1.447 ms  
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

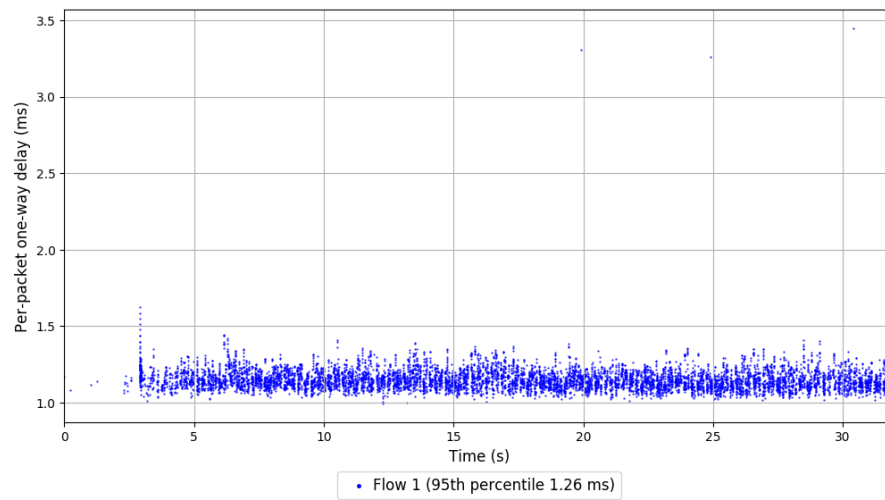
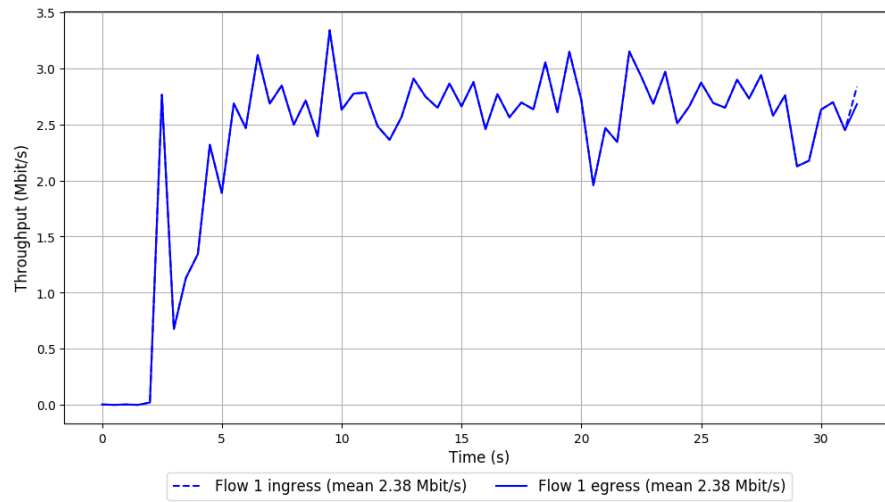


Run 6: Statistics of WebRTC media

Start at: 2018-01-08 20:37:01  
End at: 2018-01-08 20:37:31  
Local clock offset: -10.276 ms  
Remote clock offset: -0.892 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.38 Mbit/s  
95th percentile per-packet one-way delay: 1.262 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 2.38 Mbit/s  
95th percentile per-packet one-way delay: 1.262 ms  
Loss rate: 0.10%

## Run 6: Report of WebRTC media — Data Link

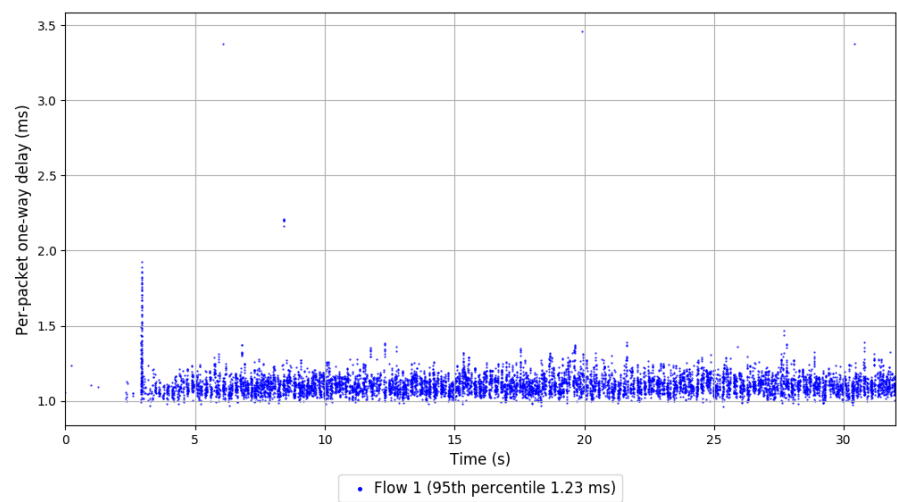
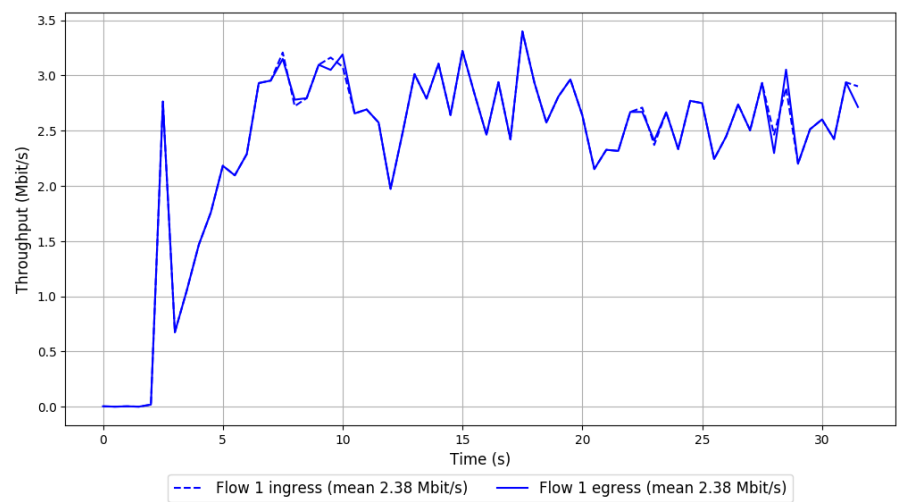


Run 7: Statistics of WebRTC media

Start at: 2018-01-08 20:57:30  
End at: 2018-01-08 20:58:00  
Local clock offset: -13.168 ms  
Remote clock offset: -1.283 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.38 Mbit/s  
95th percentile per-packet one-way delay: 1.229 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 2.38 Mbit/s  
95th percentile per-packet one-way delay: 1.229 ms  
Loss rate: 0.12%

Run 7: Report of WebRTC media — Data Link

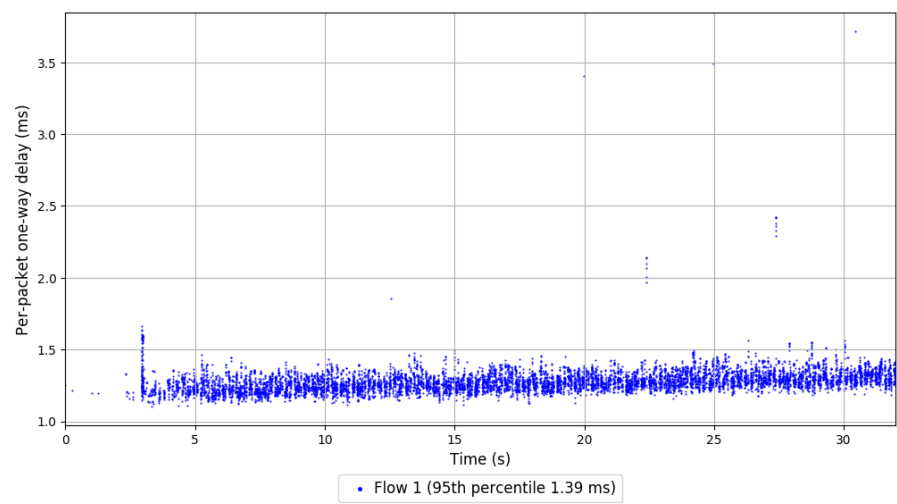
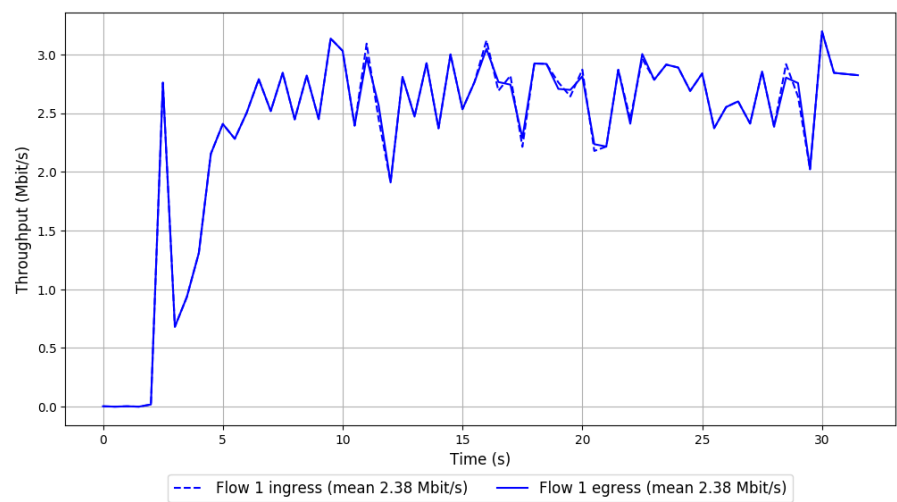


Run 8: Statistics of WebRTC media

Start at: 2018-01-08 21:18:04  
End at: 2018-01-08 21:18:34  
Local clock offset: -15.256 ms  
Remote clock offset: -1.901 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.38 Mbit/s  
95th percentile per-packet one-way delay: 1.390 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.38 Mbit/s  
95th percentile per-packet one-way delay: 1.390 ms  
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

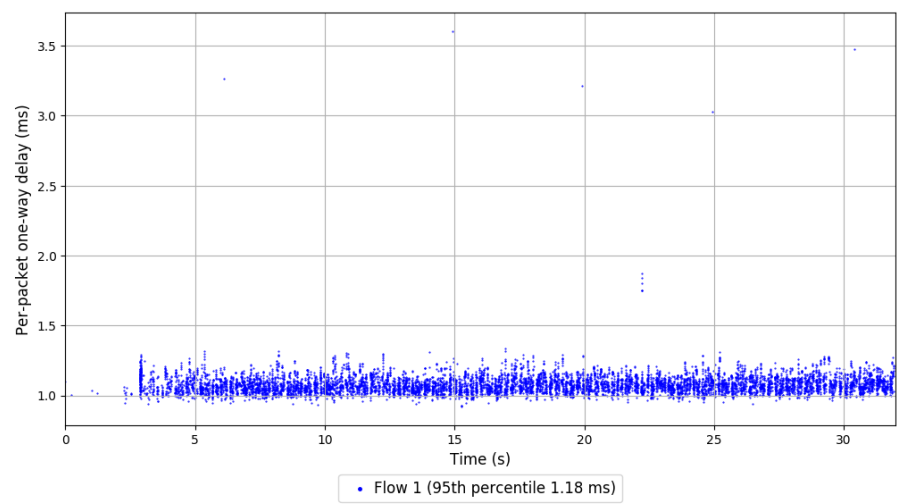
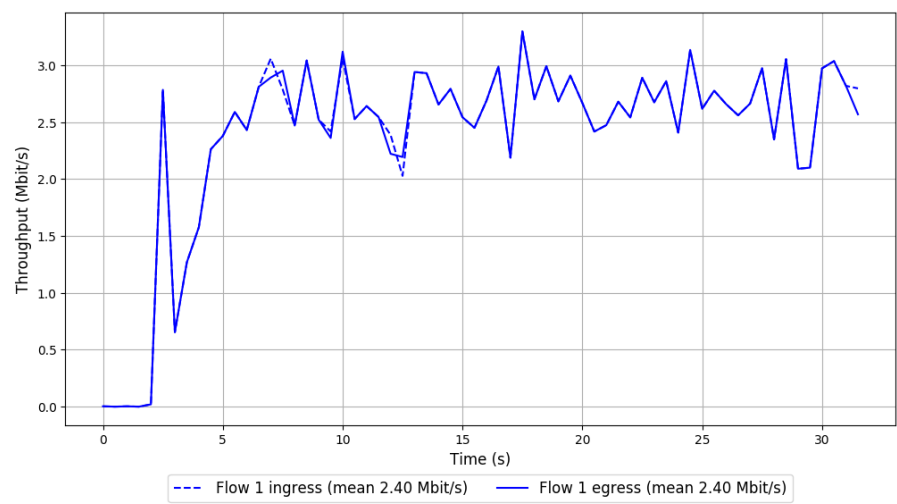


Run 9: Statistics of WebRTC media

Start at: 2018-01-08 21:38:31  
End at: 2018-01-08 21:39:01  
Local clock offset: -16.742 ms  
Remote clock offset: -1.634 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.40 Mbit/s  
95th percentile per-packet one-way delay: 1.184 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 2.40 Mbit/s  
95th percentile per-packet one-way delay: 1.184 ms  
Loss rate: 0.15%

Run 9: Report of WebRTC media — Data Link

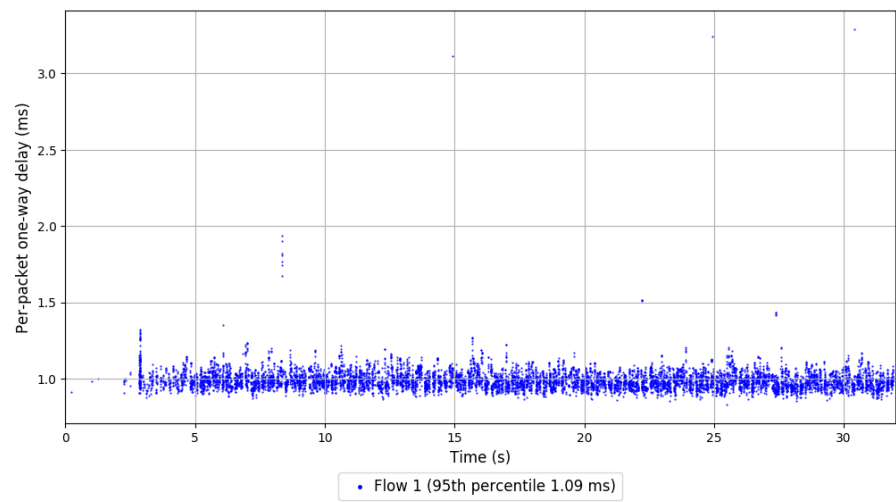
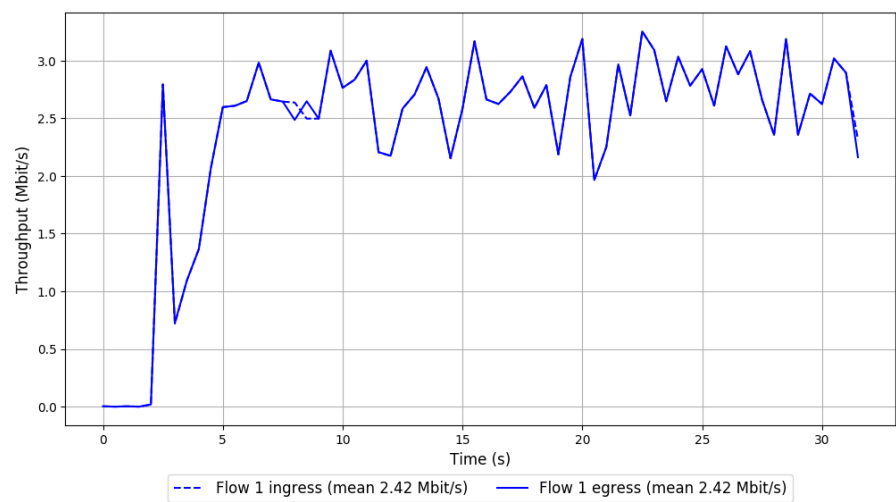


Run 10: Statistics of WebRTC media

Start at: 2018-01-08 21:58:48  
End at: 2018-01-08 21:59:18  
Local clock offset: -16.766 ms  
Remote clock offset: -1.419 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.42 Mbit/s  
95th percentile per-packet one-way delay: 1.090 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 2.42 Mbit/s  
95th percentile per-packet one-way delay: 1.090 ms  
Loss rate: 0.10%

Run 10: Report of WebRTC media — Data Link

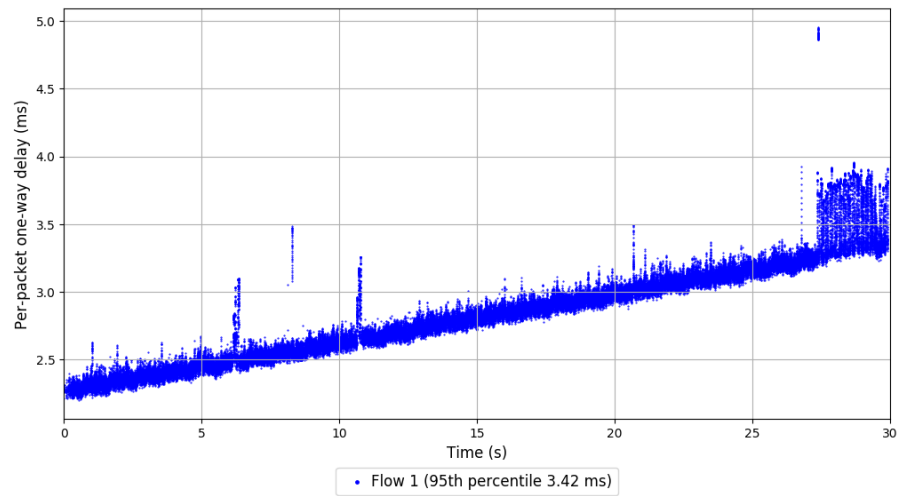
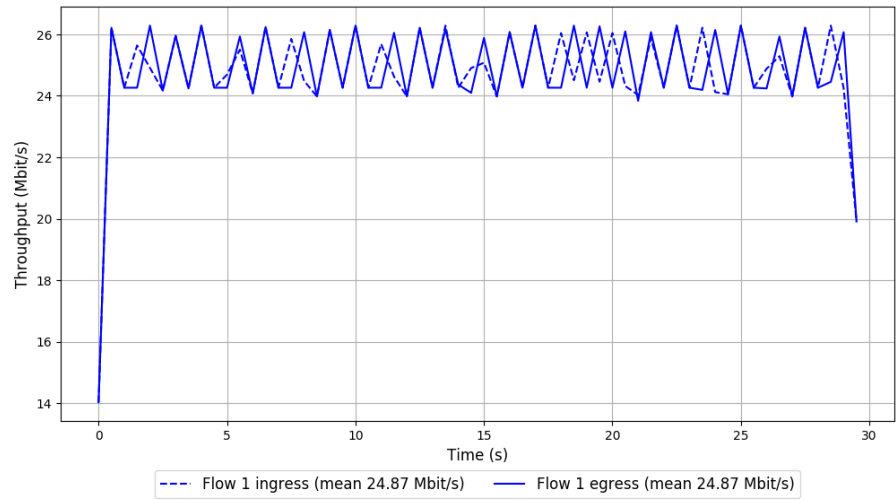


Run 1: Statistics of Sprout

Start at: 2018-01-08 18:50:30  
End at: 2018-01-08 18:51:00  
Local clock offset: -8.256 ms  
Remote clock offset: -1.598 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.87 Mbit/s  
95th percentile per-packet one-way delay: 3.415 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 24.87 Mbit/s  
95th percentile per-packet one-way delay: 3.415 ms  
Loss rate: 0.00%

# Run 1: Report of Sprout — Data Link

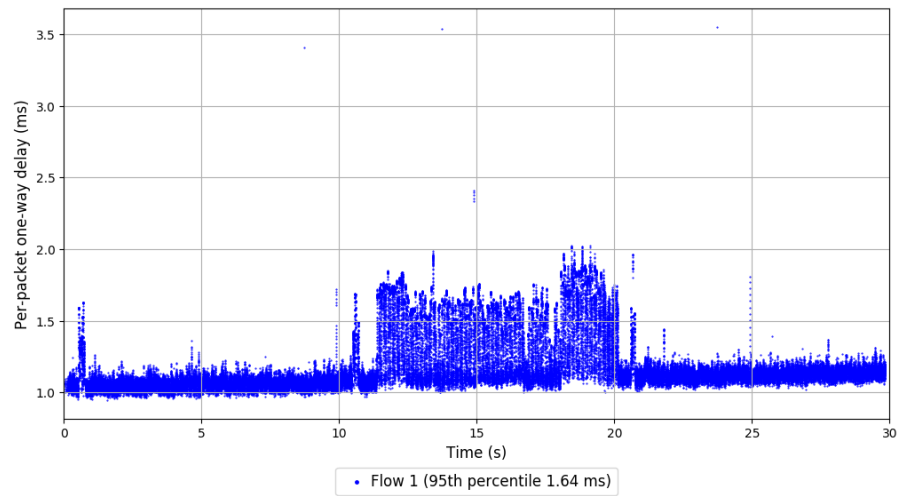
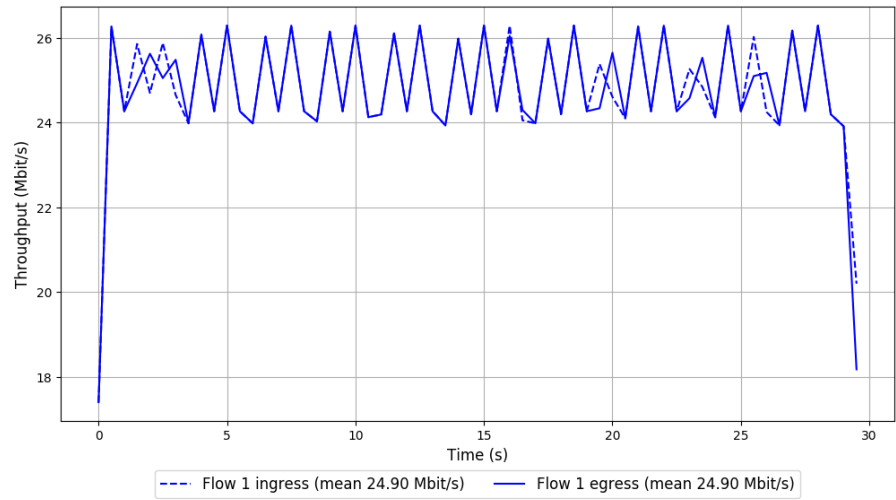


Run 2: Statistics of Sprout

Start at: 2018-01-08 19:10:55  
End at: 2018-01-08 19:11:25  
Local clock offset: -14.733 ms  
Remote clock offset: -1.055 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.90 Mbit/s  
95th percentile per-packet one-way delay: 1.641 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 24.90 Mbit/s  
95th percentile per-packet one-way delay: 1.641 ms  
Loss rate: 0.14%

## Run 2: Report of Sprout — Data Link

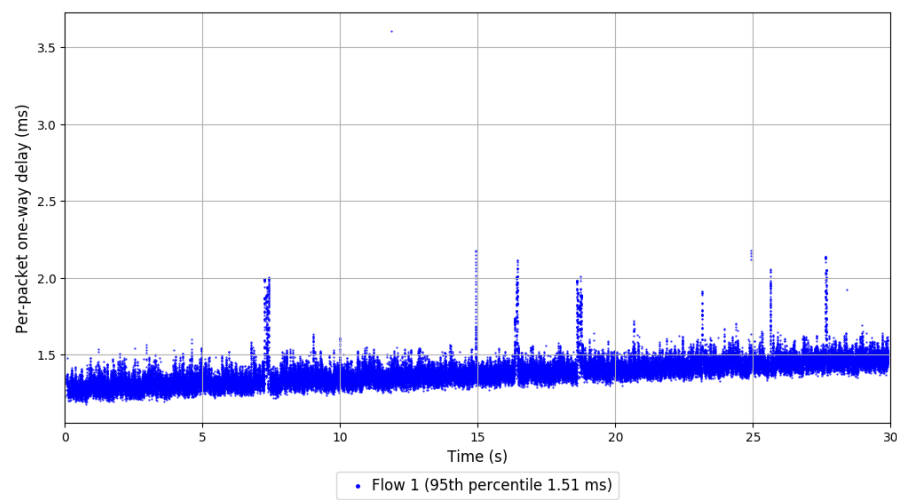
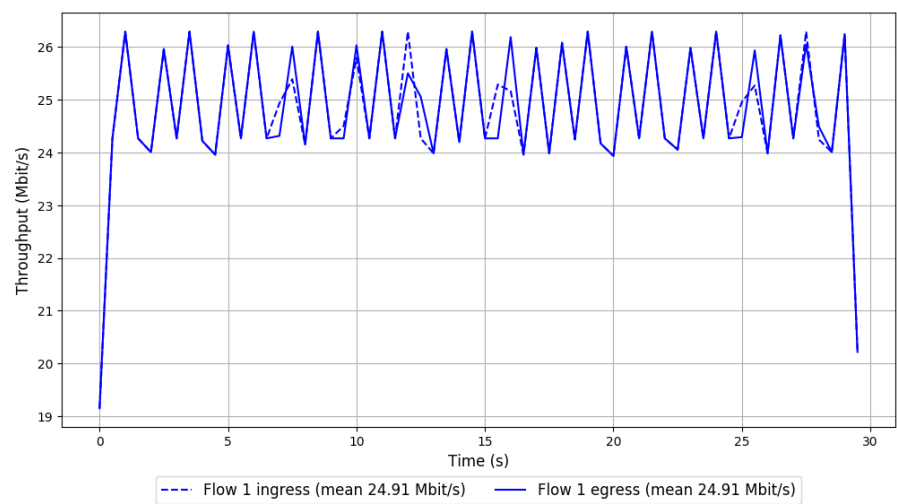


Run 3: Statistics of Sprout

Start at: 2018-01-08 19:31:19  
End at: 2018-01-08 19:31:49  
Local clock offset: -6.264 ms  
Remote clock offset: -0.564 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.91 Mbit/s  
95th percentile per-packet one-way delay: 1.513 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 24.91 Mbit/s  
95th percentile per-packet one-way delay: 1.513 ms  
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

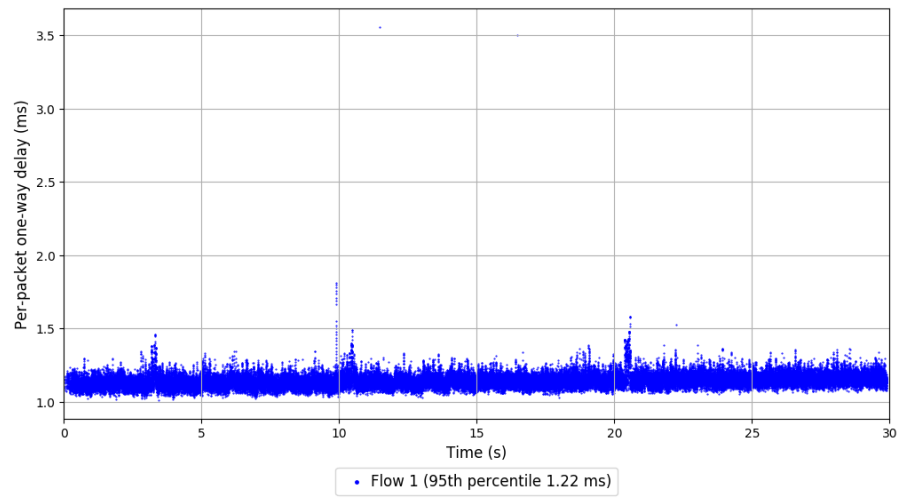
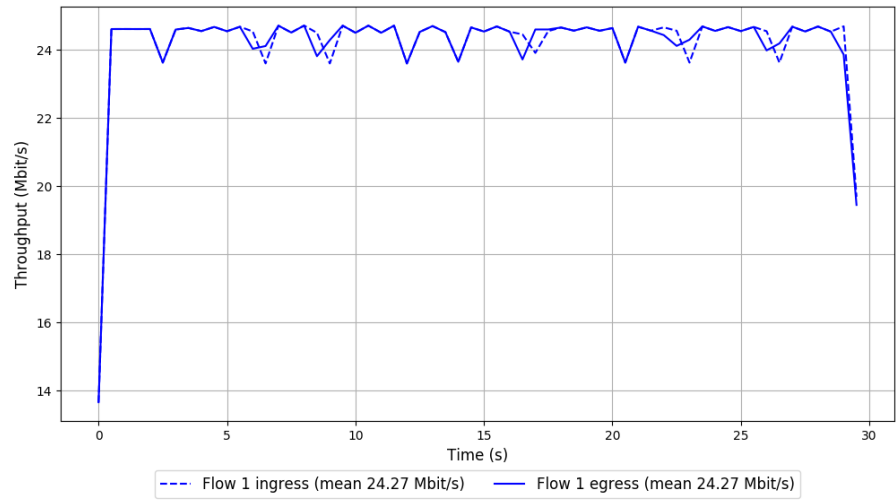


Run 4: Statistics of Sprout

Start at: 2018-01-08 19:51:35  
End at: 2018-01-08 19:52:05  
Local clock offset: -6.944 ms  
Remote clock offset: -0.492 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.27 Mbit/s  
95th percentile per-packet one-way delay: 1.223 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 24.27 Mbit/s  
95th percentile per-packet one-way delay: 1.223 ms  
Loss rate: 0.07%

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

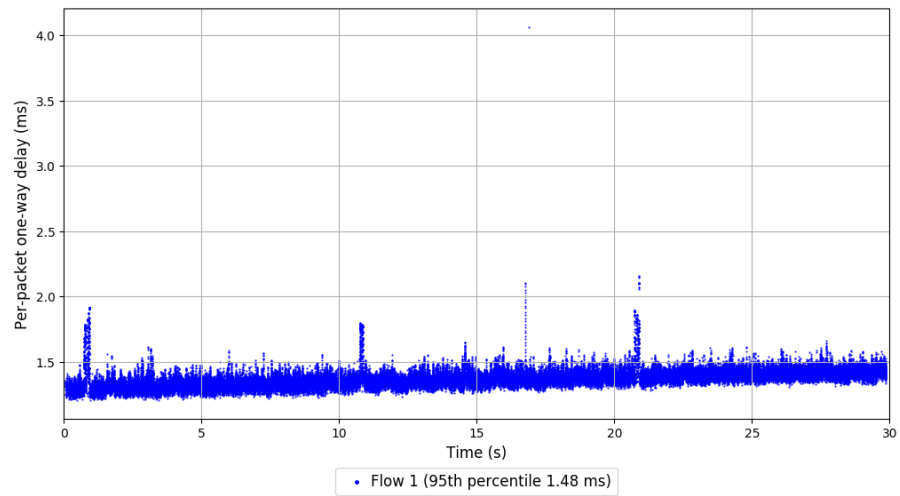
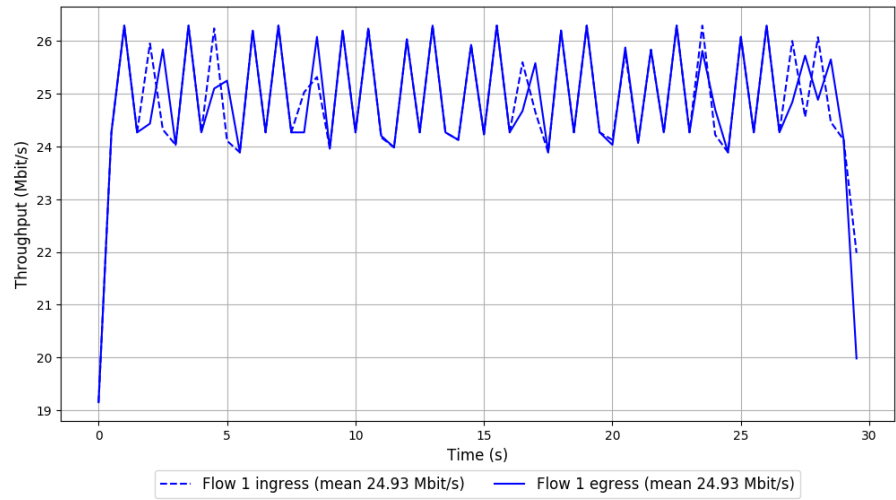


Run 5: Statistics of Sprout

Start at: 2018-01-08 20:11:55  
End at: 2018-01-08 20:12:25  
Local clock offset: -10.123 ms  
Remote clock offset: -0.199 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.93 Mbit/s  
95th percentile per-packet one-way delay: 1.475 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 24.93 Mbit/s  
95th percentile per-packet one-way delay: 1.475 ms  
Loss rate: 0.13%

### Run 5: Report of Sprout — Data Link

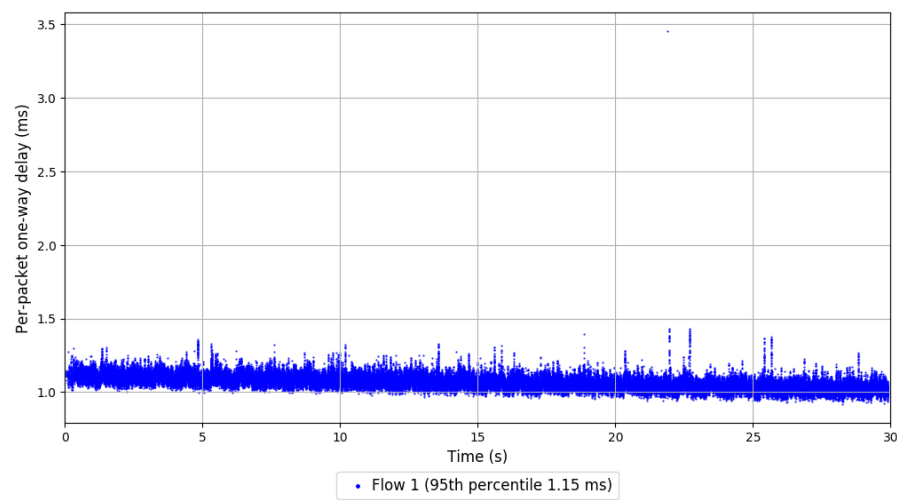
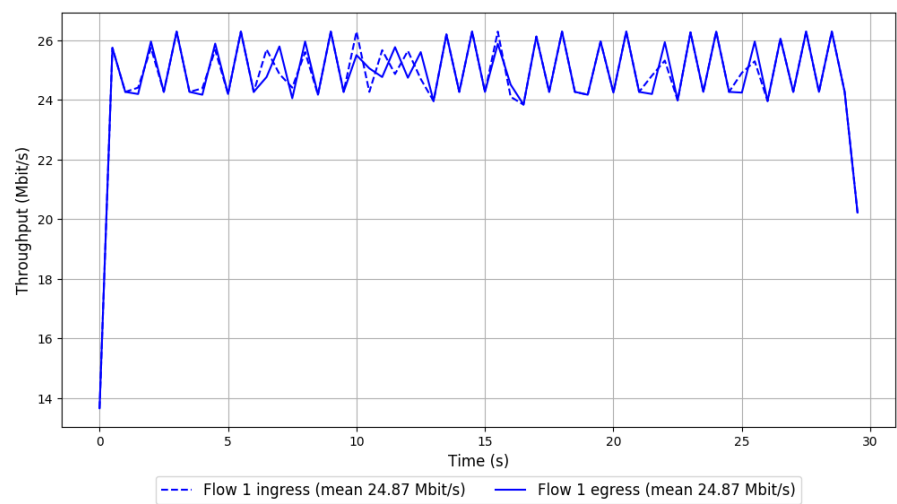


Run 6: Statistics of Sprout

Start at: 2018-01-08 20:31:53  
End at: 2018-01-08 20:32:23  
Local clock offset: -10.655 ms  
Remote clock offset: -0.64 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.87 Mbit/s  
95th percentile per-packet one-way delay: 1.154 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 24.87 Mbit/s  
95th percentile per-packet one-way delay: 1.154 ms  
Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

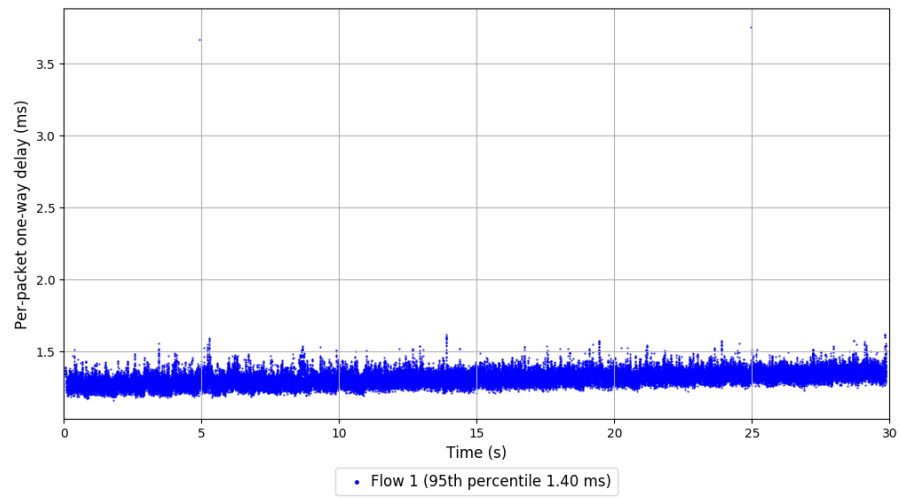
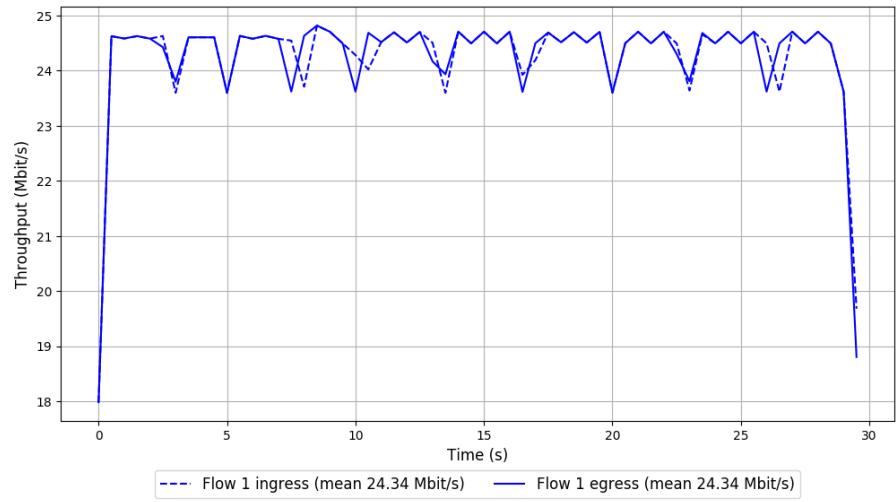


Run 7: Statistics of Sprout

Start at: 2018-01-08 20:52:20  
End at: 2018-01-08 20:52:50  
Local clock offset: -12.36 ms  
Remote clock offset: -1.16 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.34 Mbit/s  
95th percentile per-packet one-way delay: 1.397 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 24.34 Mbit/s  
95th percentile per-packet one-way delay: 1.397 ms  
Loss rate: 0.06%

## Run 7: Report of Sprout — Data Link

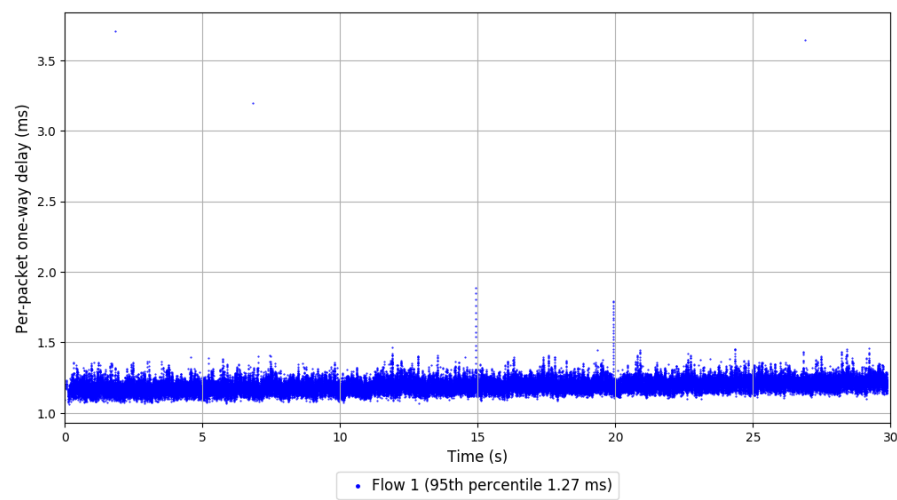
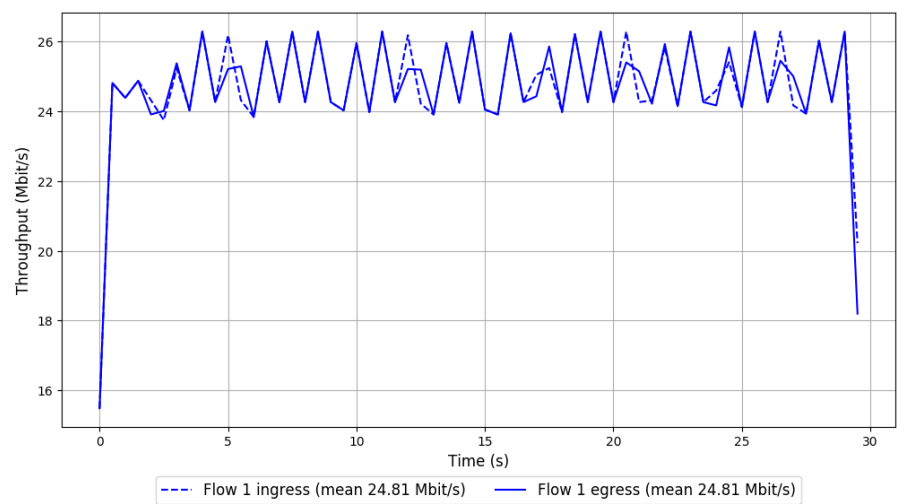


Run 8: Statistics of Sprout

Start at: 2018-01-08 21:12:54  
End at: 2018-01-08 21:13:24  
Local clock offset: -14.419 ms  
Remote clock offset: -1.736 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.81 Mbit/s  
95th percentile per-packet one-way delay: 1.272 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 24.81 Mbit/s  
95th percentile per-packet one-way delay: 1.272 ms  
Loss rate: 0.14%

Run 8: Report of Sprout — Data Link

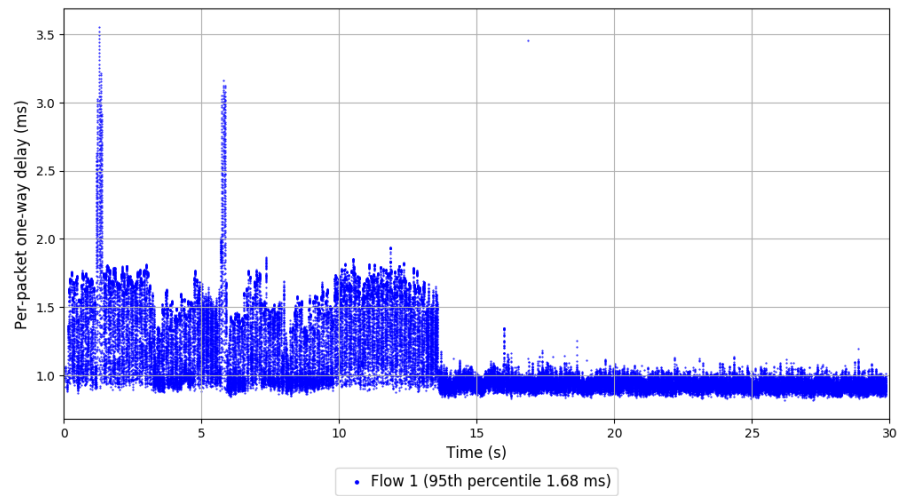
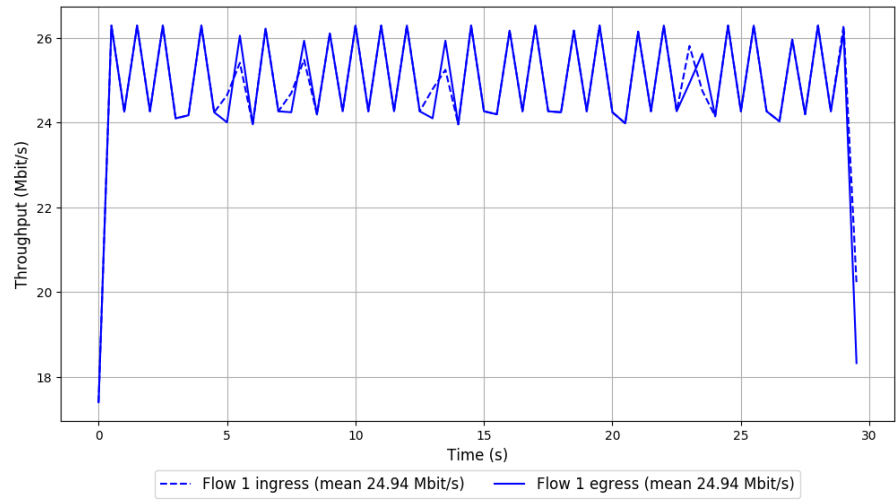


Run 9: Statistics of Sprout

Start at: 2018-01-08 21:33:20  
End at: 2018-01-08 21:33:50  
Local clock offset: -16.945 ms  
Remote clock offset: -1.66 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.94 Mbit/s  
95th percentile per-packet one-way delay: 1.682 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 24.94 Mbit/s  
95th percentile per-packet one-way delay: 1.682 ms  
Loss rate: 0.14%

### Run 9: Report of Sprout — Data Link

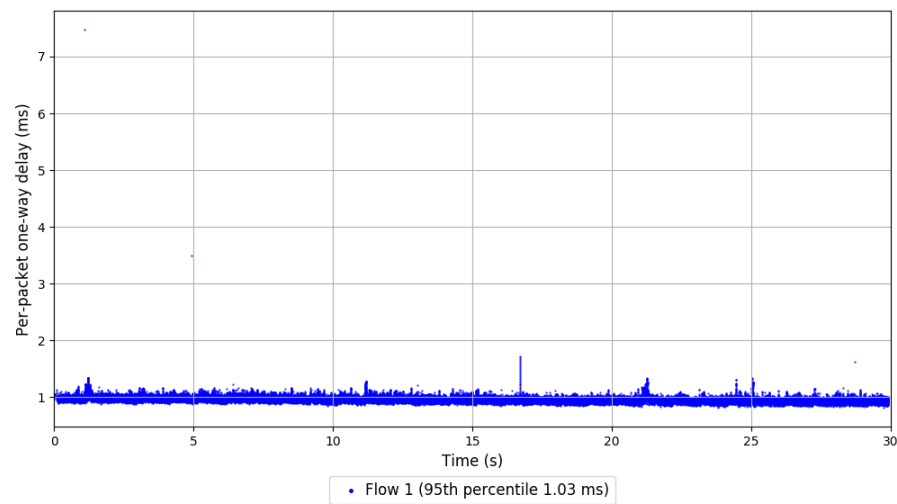
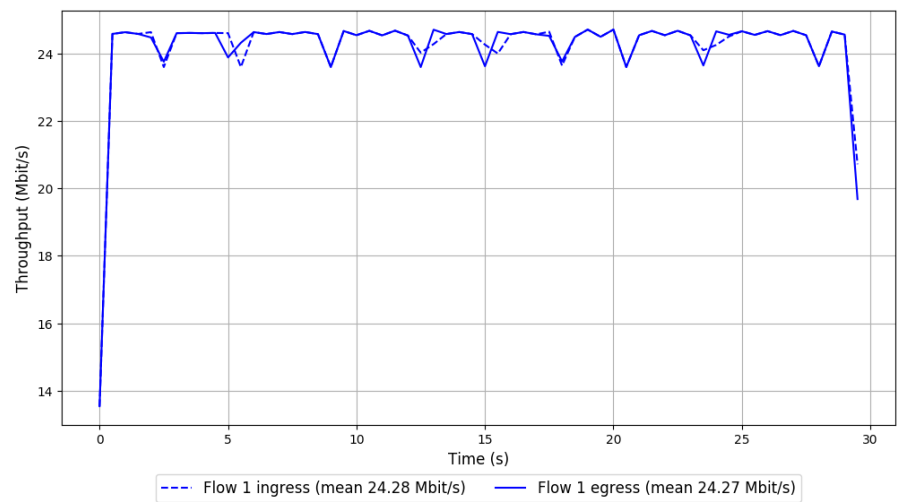


Run 10: Statistics of Sprout

Start at: 2018-01-08 21:53:40  
End at: 2018-01-08 21:54:10  
Local clock offset: -17.306 ms  
Remote clock offset: -1.435 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.27 Mbit/s  
95th percentile per-packet one-way delay: 1.033 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 24.27 Mbit/s  
95th percentile per-packet one-way delay: 1.033 ms  
Loss rate: 0.07%

Run 10: Report of Sprout — Data Link

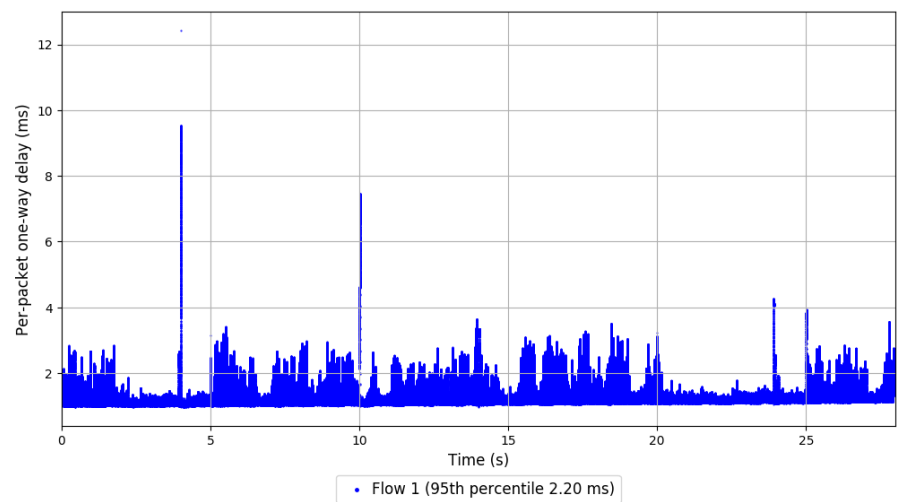
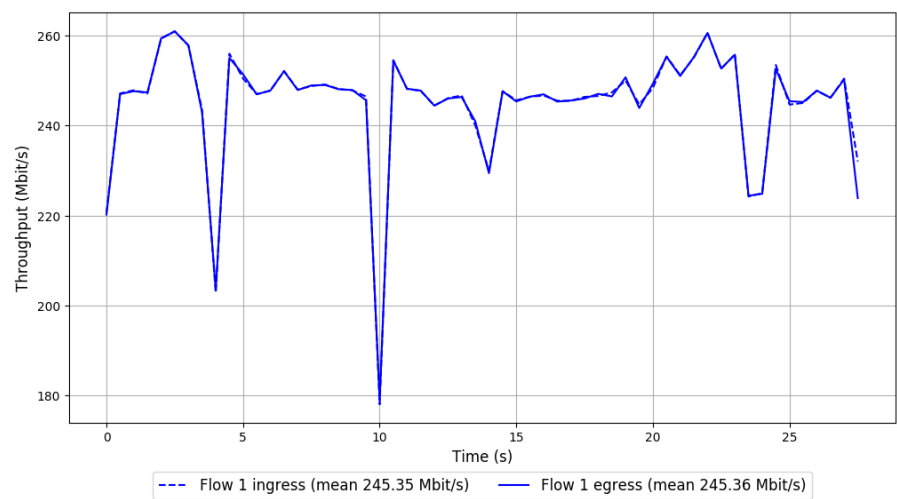


```
Run 1: Statistics of TaoVA-100x

Start at: 2018-01-08 18:54:15
End at: 2018-01-08 18:54:45
Local clock offset: -15.461 ms
Remote clock offset: -1.494 ms

# Below is generated by plot.py at 2018-01-09 03:02:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 245.36 Mbit/s
95th percentile per-packet one-way delay: 2.197 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 245.36 Mbit/s
95th percentile per-packet one-way delay: 2.197 ms
Loss rate: 0.06%
```

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

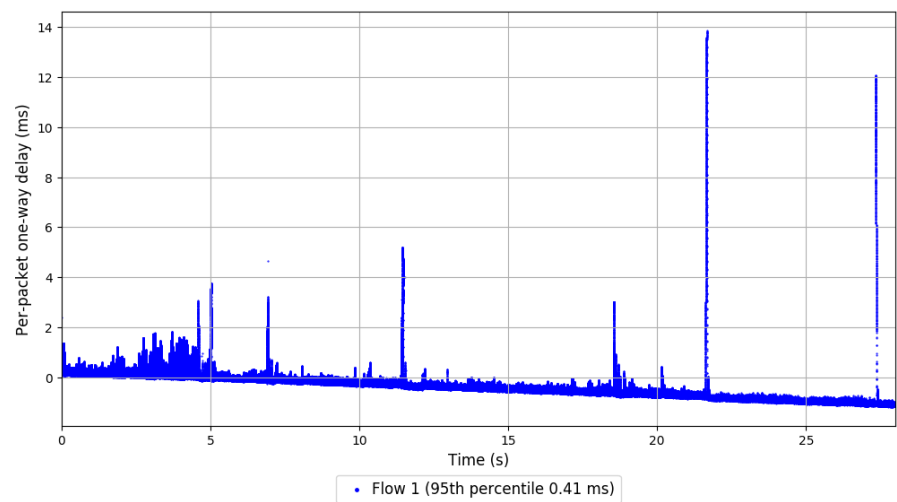
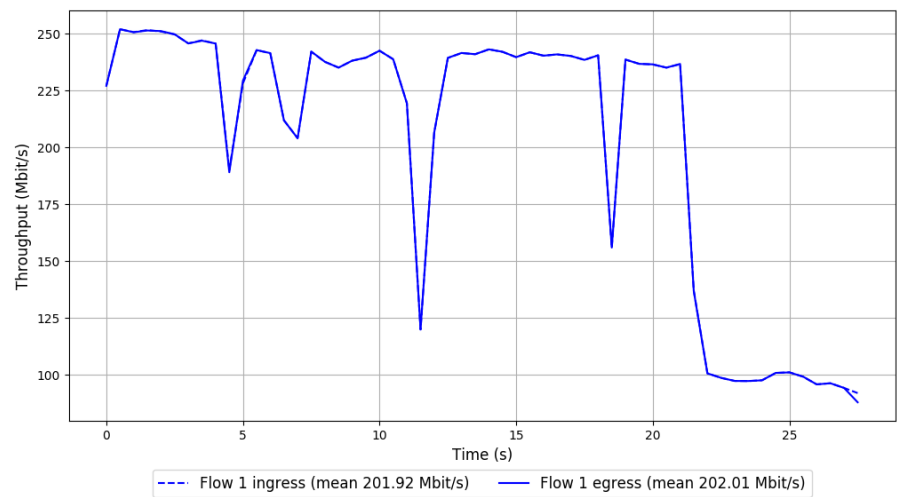


Run 2: Statistics of TaoVA-100x

Start at: 2018-01-08 19:14:40  
End at: 2018-01-08 19:15:10  
Local clock offset: -14.302 ms  
Remote clock offset: -1.051 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 202.01 Mbit/s  
95th percentile per-packet one-way delay: 0.407 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 202.01 Mbit/s  
95th percentile per-packet one-way delay: 0.407 ms  
Loss rate: 0.03%

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

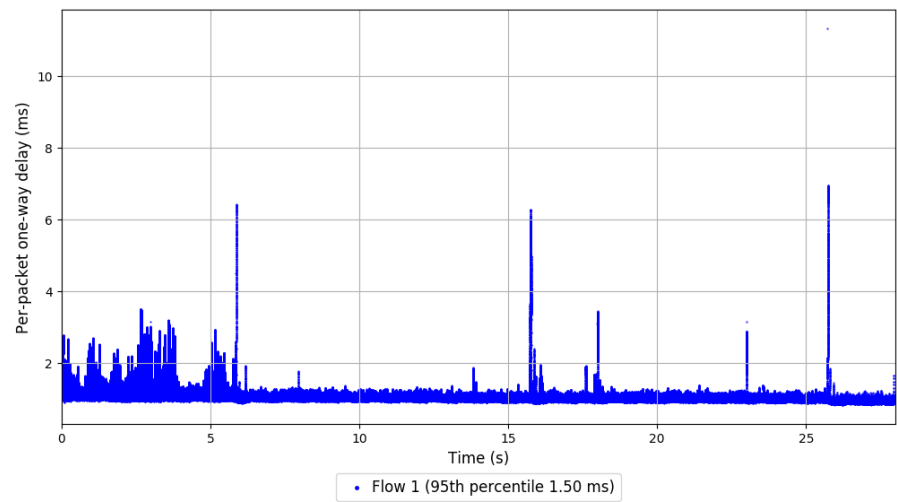
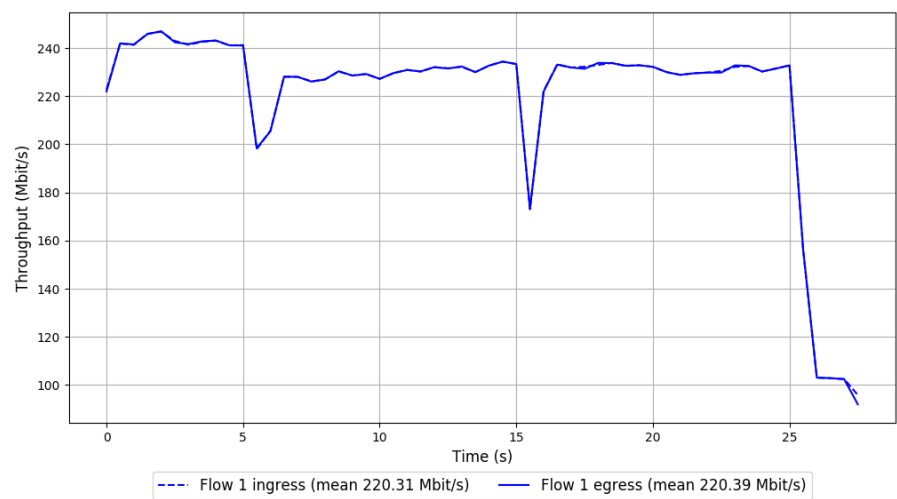


Run 3: Statistics of TaoVA-100x

Start at: 2018-01-08 19:35:03  
End at: 2018-01-08 19:35:33  
Local clock offset: -7.084 ms  
Remote clock offset: -0.472 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 220.39 Mbit/s  
95th percentile per-packet one-way delay: 1.496 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 220.39 Mbit/s  
95th percentile per-packet one-way delay: 1.496 ms  
Loss rate: 0.03%

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

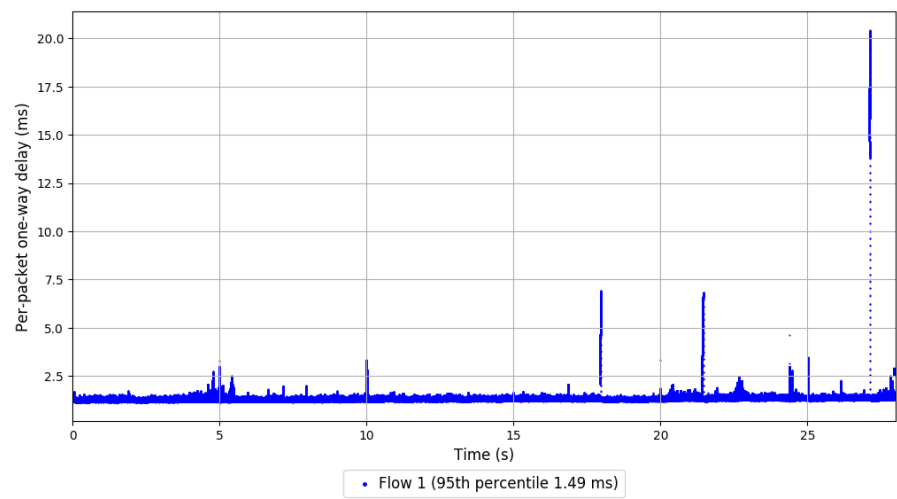
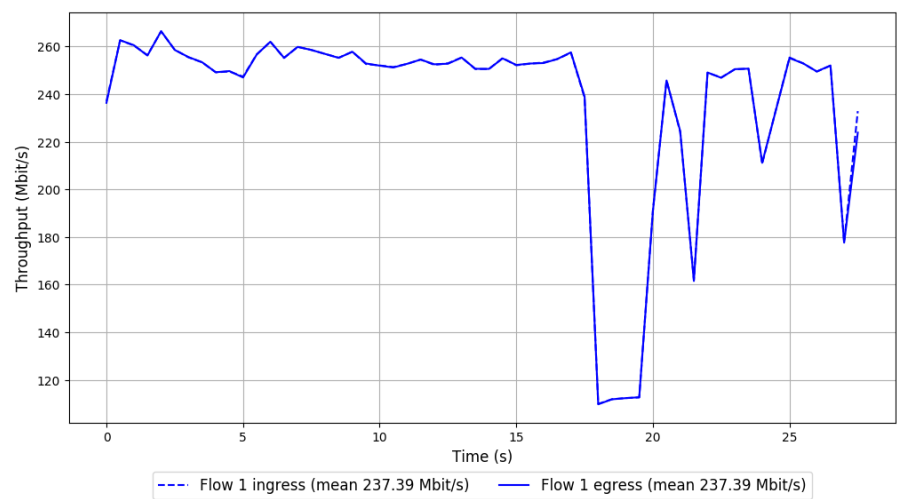


Run 4: Statistics of TaoVA-100x

Start at: 2018-01-08 19:55:20  
End at: 2018-01-08 19:55:50  
Local clock offset: -7.447 ms  
Remote clock offset: -0.497 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 237.39 Mbit/s  
95th percentile per-packet one-way delay: 1.488 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 237.39 Mbit/s  
95th percentile per-packet one-way delay: 1.488 ms  
Loss rate: 0.07%

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

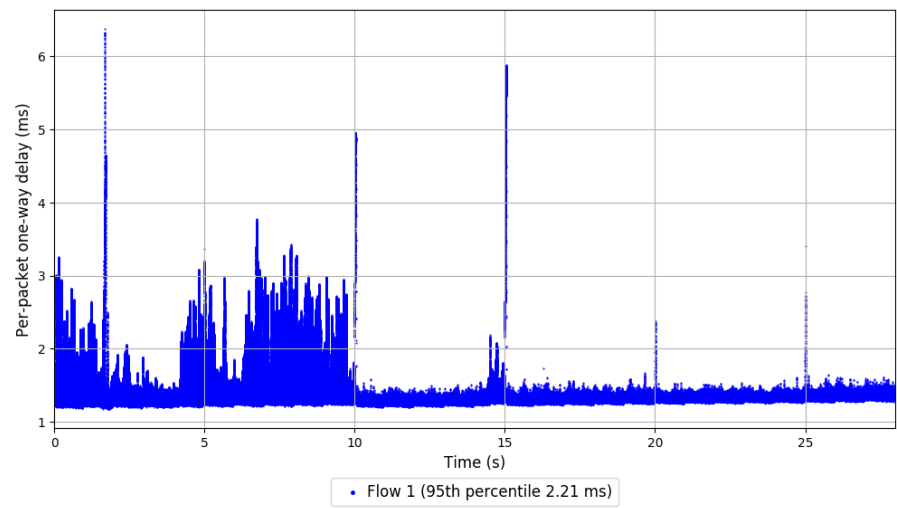
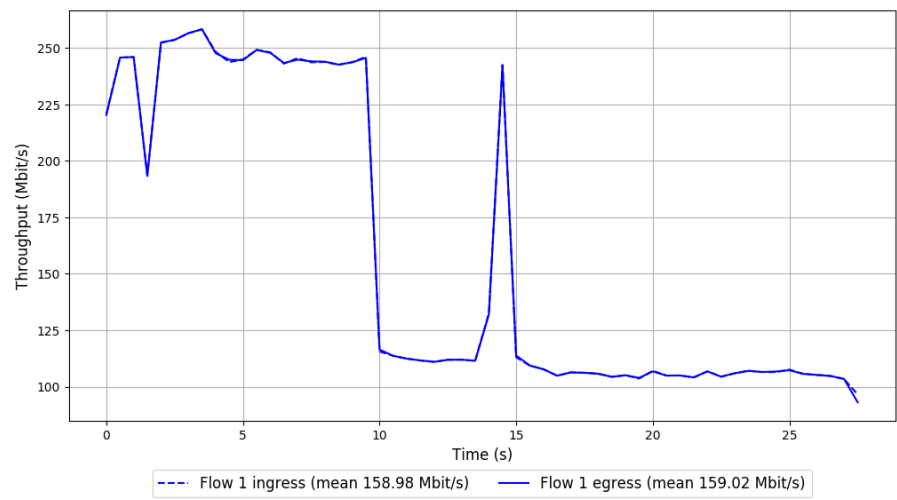


Run 5: Statistics of TaoVA-100x

Start at: 2018-01-08 20:15:40  
End at: 2018-01-08 20:16:10  
Local clock offset: -11.179 ms  
Remote clock offset: -0.195 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 159.02 Mbit/s  
95th percentile per-packet one-way delay: 2.205 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 159.02 Mbit/s  
95th percentile per-packet one-way delay: 2.205 ms  
Loss rate: 0.04%

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

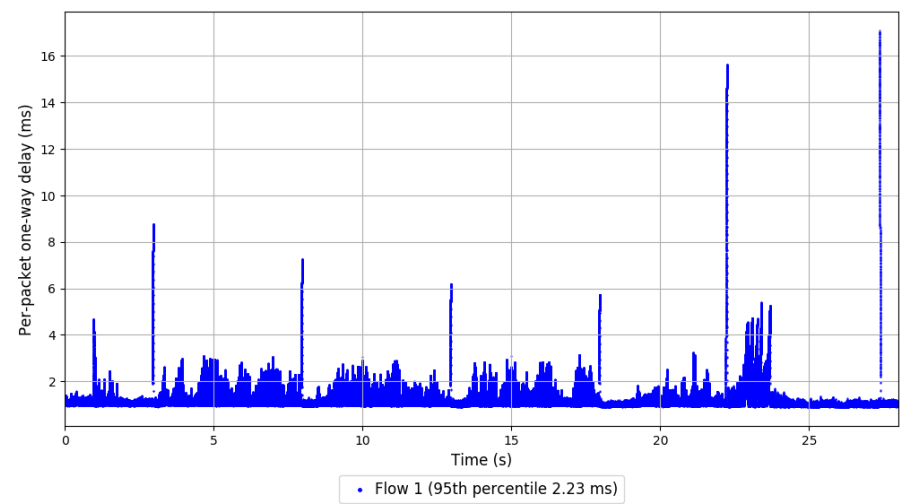


Run 6: Statistics of TaoVA-100x

Start at: 2018-01-08 20:35:37  
End at: 2018-01-08 20:36:07  
Local clock offset: -10.393 ms  
Remote clock offset: -0.844 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 207.78 Mbit/s  
95th percentile per-packet one-way delay: 2.226 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 207.78 Mbit/s  
95th percentile per-packet one-way delay: 2.226 ms  
Loss rate: 0.03%

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

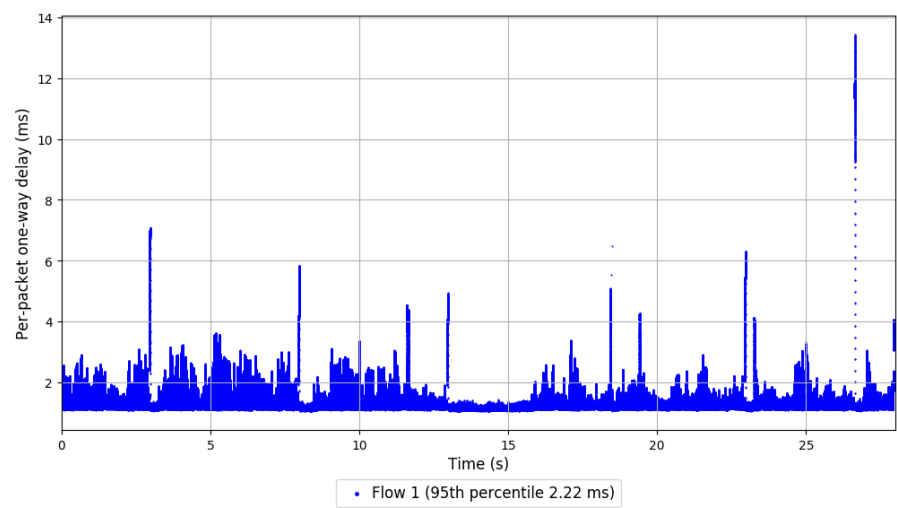
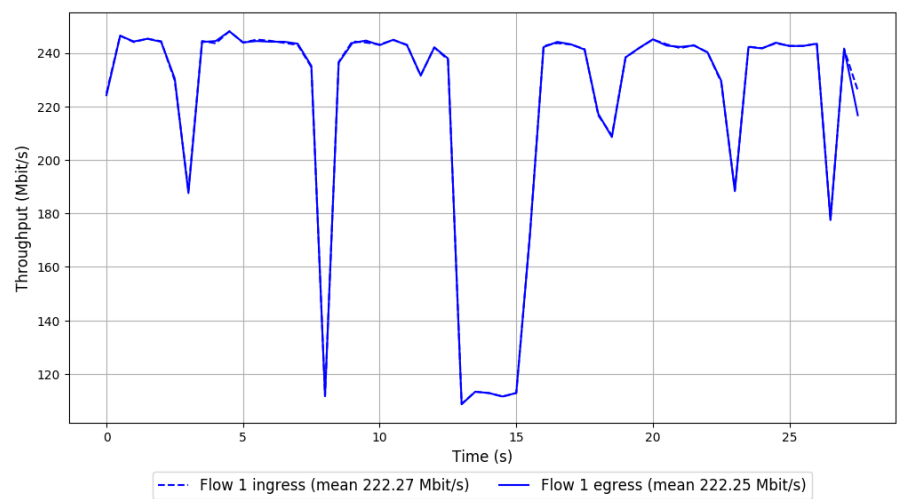


Run 7: Statistics of TaoVA-100x

Start at: 2018-01-08 20:56:05  
End at: 2018-01-08 20:56:35  
Local clock offset: -13.113 ms  
Remote clock offset: -1.334 ms

# Below is generated by plot.py at 2018-01-09 03:02:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 222.25 Mbit/s  
95th percentile per-packet one-way delay: 2.221 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 222.25 Mbit/s  
95th percentile per-packet one-way delay: 2.221 ms  
Loss rate: 0.08%

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

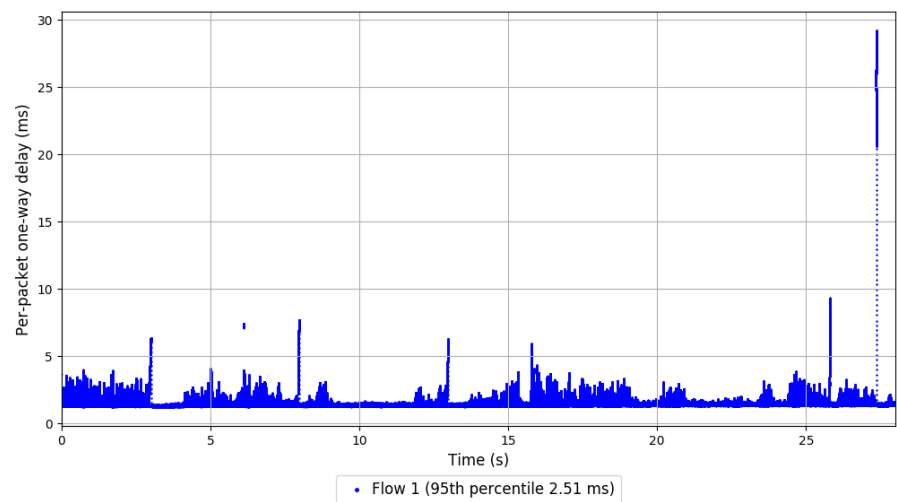
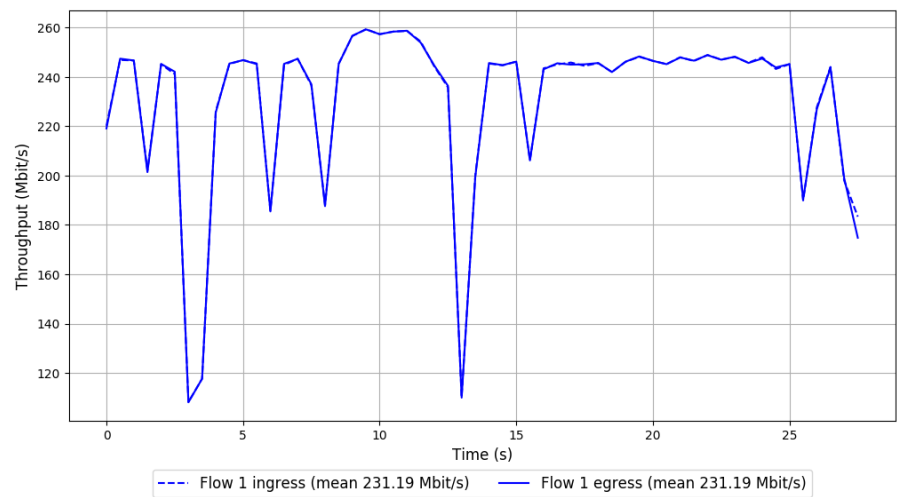


Run 8: Statistics of TaoVA-100x

Start at: 2018-01-08 21:16:38  
End at: 2018-01-08 21:17:08  
Local clock offset: -14.984 ms  
Remote clock offset: -1.946 ms

# Below is generated by plot.py at 2018-01-09 03:09:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 231.19 Mbit/s  
95th percentile per-packet one-way delay: 2.507 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 231.19 Mbit/s  
95th percentile per-packet one-way delay: 2.507 ms  
Loss rate: 0.07%

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

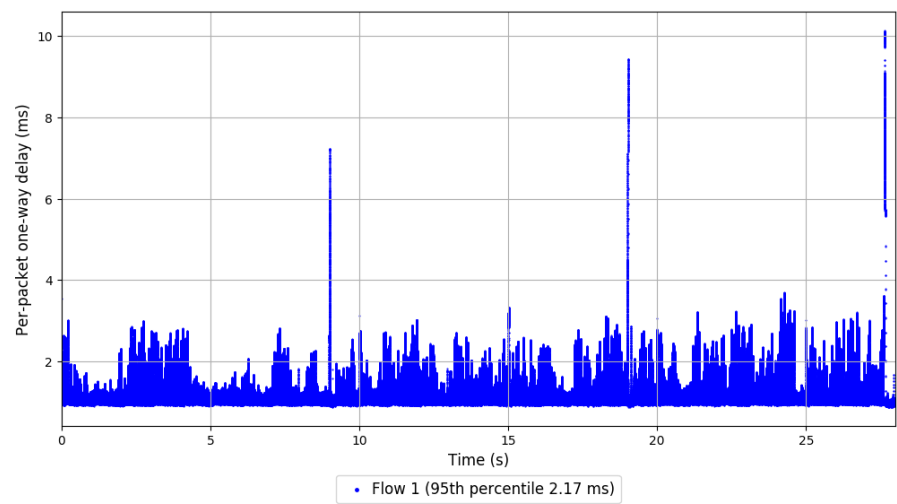
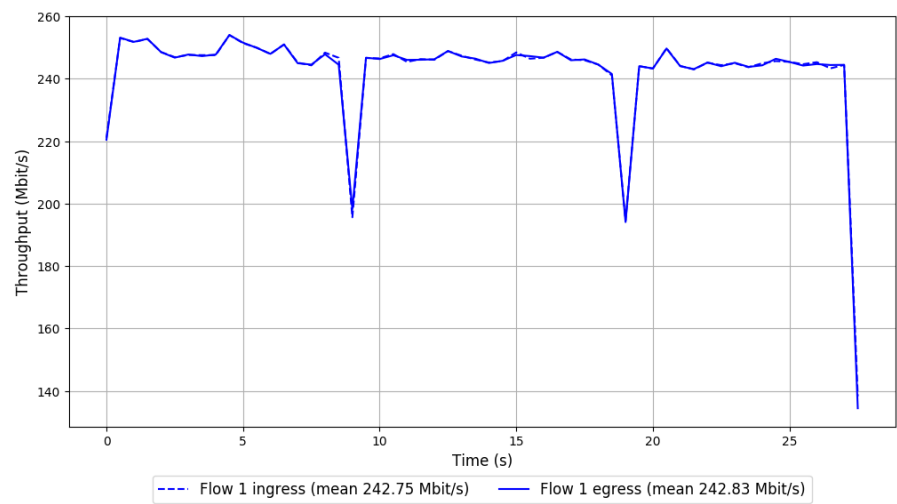


Run 9: Statistics of TaoVA-100x

Start at: 2018-01-08 21:37:05  
End at: 2018-01-08 21:37:35  
Local clock offset: -16.773 ms  
Remote clock offset: -1.633 ms

# Below is generated by plot.py at 2018-01-09 03:11:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 242.83 Mbit/s  
95th percentile per-packet one-way delay: 2.174 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 242.83 Mbit/s  
95th percentile per-packet one-way delay: 2.174 ms  
Loss rate: 0.03%

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

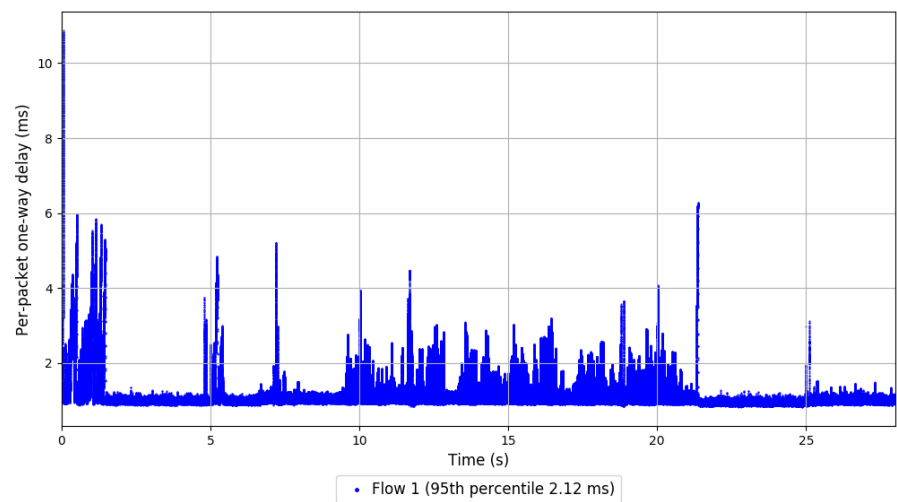
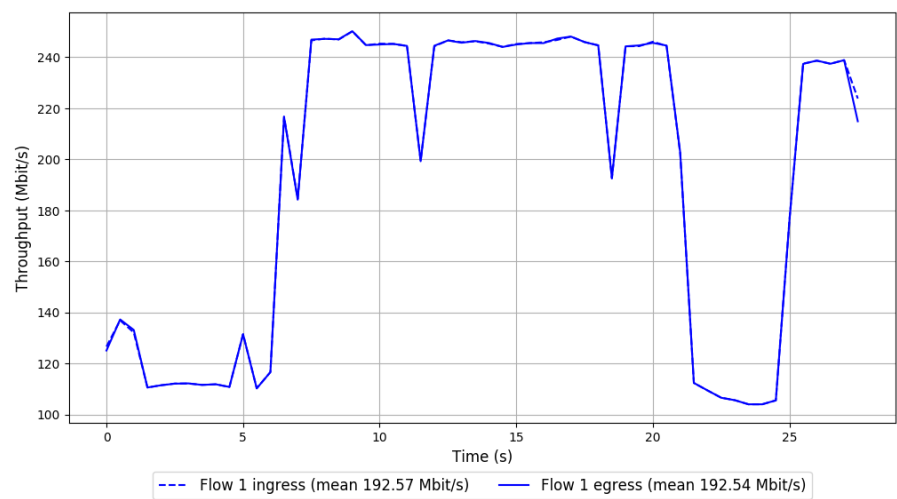


Run 10: Statistics of TaoVA-100x

Start at: 2018-01-08 21:57:25  
End at: 2018-01-08 21:57:55  
Local clock offset: -16.854 ms  
Remote clock offset: -1.43 ms

# Below is generated by plot.py at 2018-01-09 03:11:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 192.54 Mbit/s  
95th percentile per-packet one-way delay: 2.115 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 192.54 Mbit/s  
95th percentile per-packet one-way delay: 2.115 ms  
Loss rate: 0.09%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-01-08 18:59:40  
End at: 2018-01-08 19:00:10  
Local clock offset: -16.292 ms  
Remote clock offset: -1.372 ms

# Below is generated by plot.py at 2018-01-09 03:11:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 274.04 Mbit/s

95th percentile per-packet one-way delay: 2.470 ms

Loss rate: 0.08%

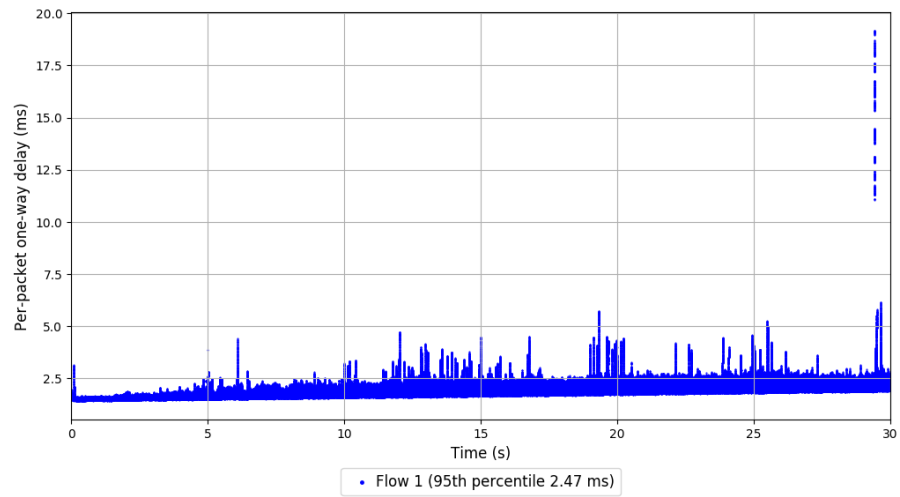
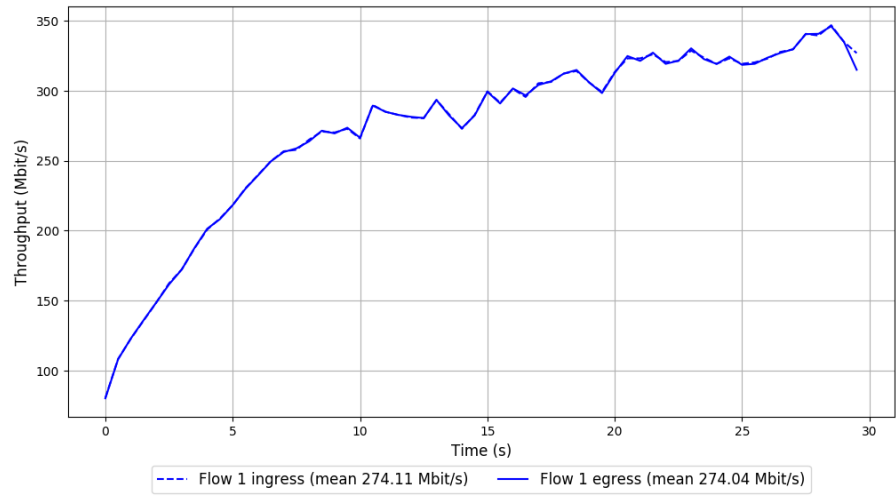
-- Flow 1:

Average throughput: 274.04 Mbit/s

95th percentile per-packet one-way delay: 2.470 ms

Loss rate: 0.08%

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

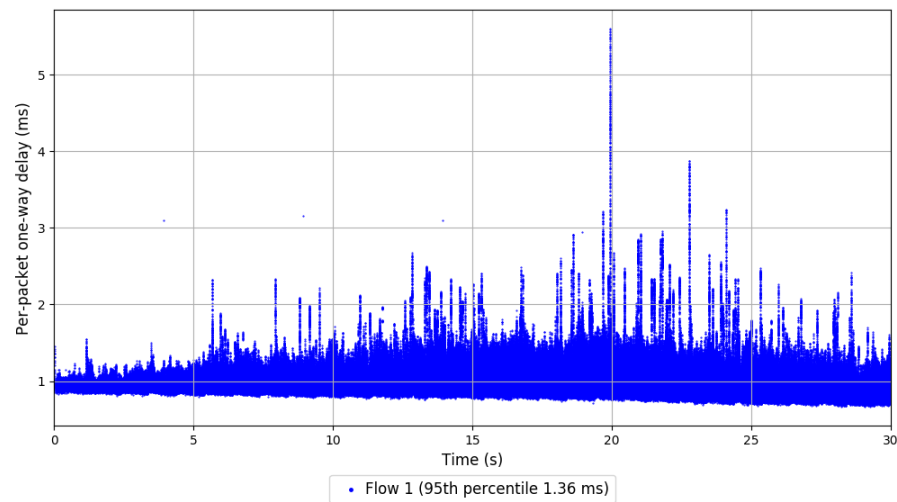
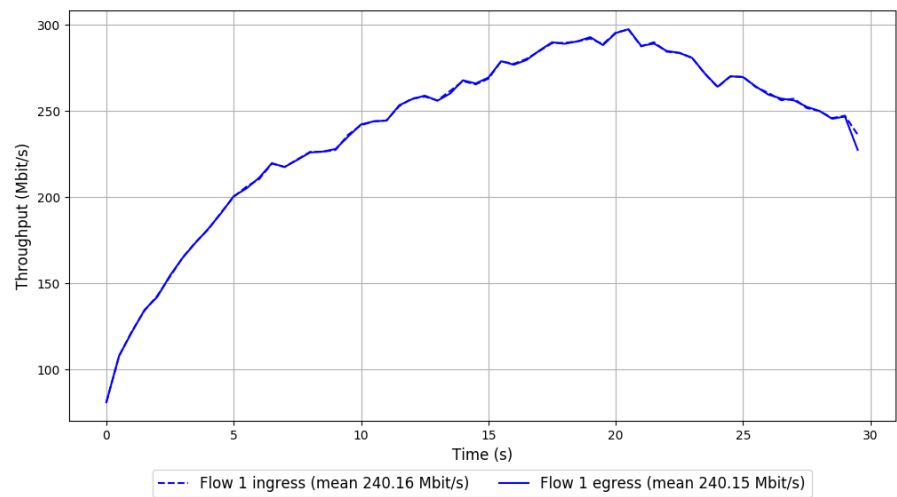


Run 2: Statistics of TCP Vegas

Start at: 2018-01-08 19:20:03  
End at: 2018-01-08 19:20:33  
Local clock offset: -6.146 ms  
Remote clock offset: -0.854 ms

# Below is generated by plot.py at 2018-01-09 03:11:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 240.15 Mbit/s  
95th percentile per-packet one-way delay: 1.363 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 240.15 Mbit/s  
95th percentile per-packet one-way delay: 1.363 ms  
Loss rate: 0.07%

Run 2: Report of TCP Vegas — Data Link

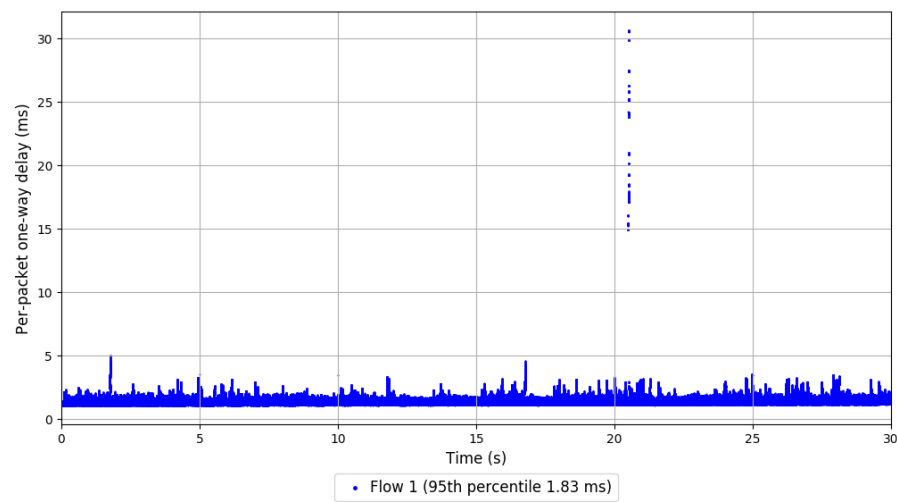
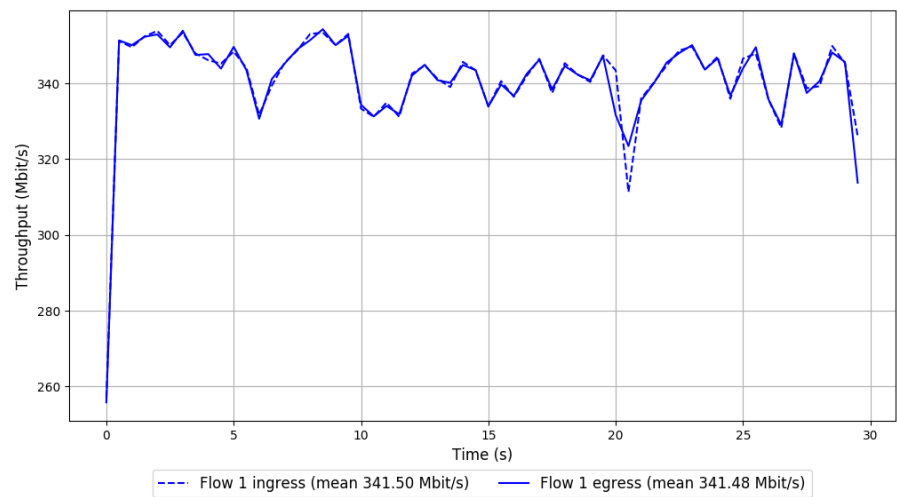


Run 3: Statistics of TCP Vegas

Start at: 2018-01-08 19:40:20  
End at: 2018-01-08 19:40:50  
Local clock offset: -7.01 ms  
Remote clock offset: -0.388 ms

# Below is generated by plot.py at 2018-01-09 03:11:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 341.48 Mbit/s  
95th percentile per-packet one-way delay: 1.831 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 341.48 Mbit/s  
95th percentile per-packet one-way delay: 1.831 ms  
Loss rate: 0.07%

Run 3: Report of TCP Vegas — Data Link

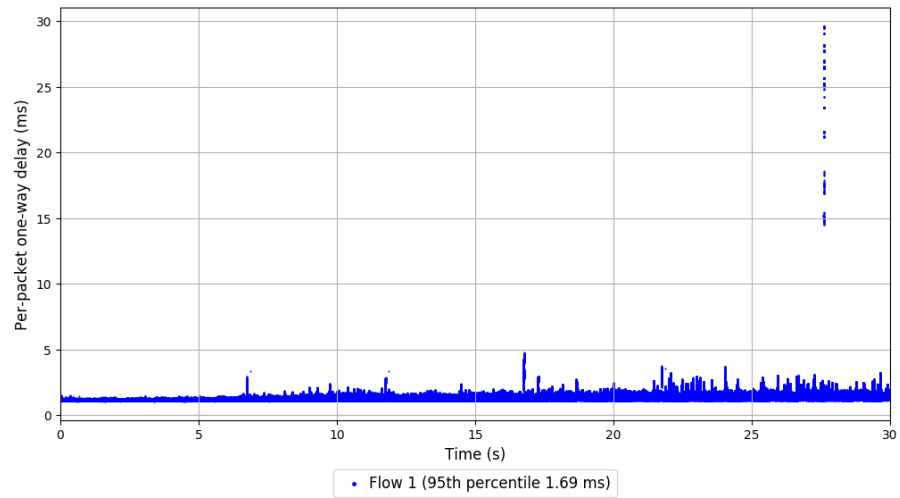
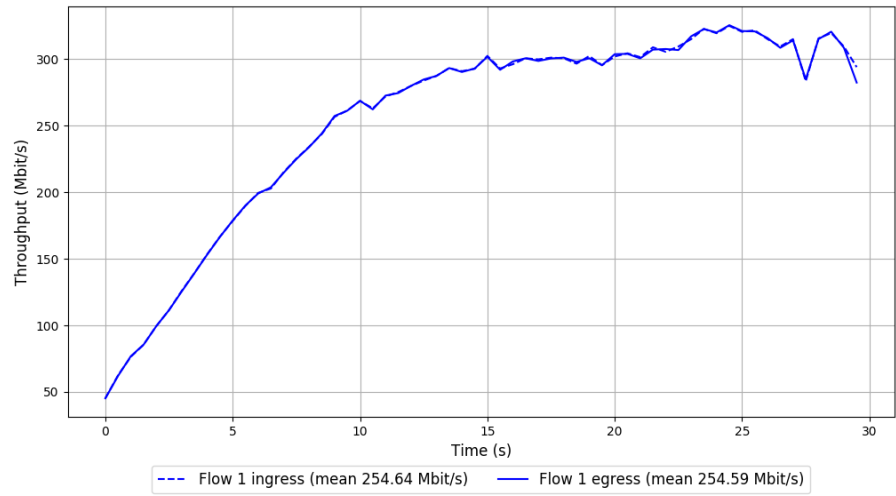


Run 4: Statistics of TCP Vegas

Start at: 2018-01-08 20:00:40  
End at: 2018-01-08 20:01:10  
Local clock offset: -8.189 ms  
Remote clock offset: -0.389 ms

# Below is generated by plot.py at 2018-01-09 03:11:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 254.59 Mbit/s  
95th percentile per-packet one-way delay: 1.690 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 254.59 Mbit/s  
95th percentile per-packet one-way delay: 1.690 ms  
Loss rate: 0.08%

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

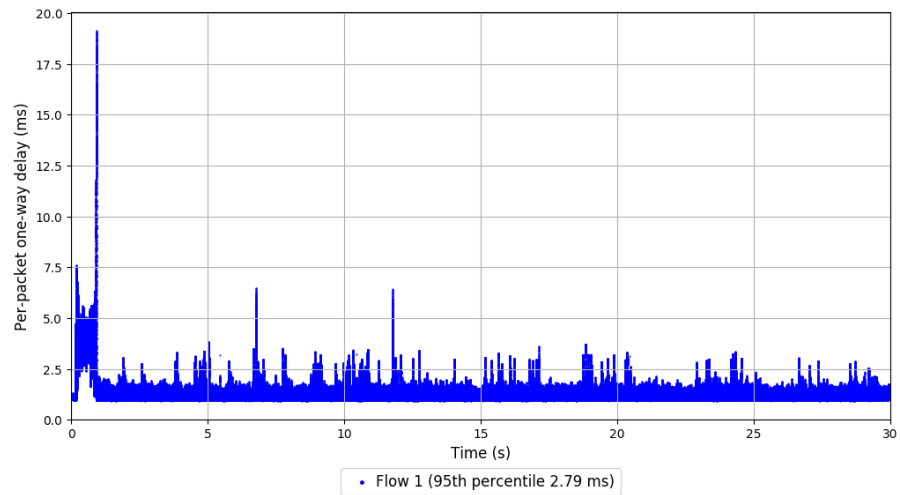
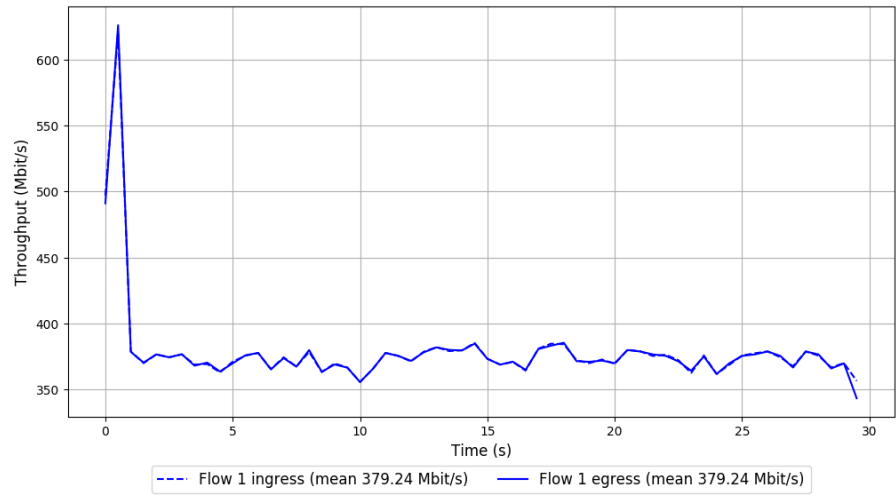


Run 5: Statistics of TCP Vegas

Start at: 2018-01-08 20:20:48  
End at: 2018-01-08 20:21:18  
Local clock offset: -12.031 ms  
Remote clock offset: -0.398 ms

# Below is generated by plot.py at 2018-01-09 03:12:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 379.24 Mbit/s  
95th percentile per-packet one-way delay: 2.791 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 379.24 Mbit/s  
95th percentile per-packet one-way delay: 2.791 ms  
Loss rate: 0.06%

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

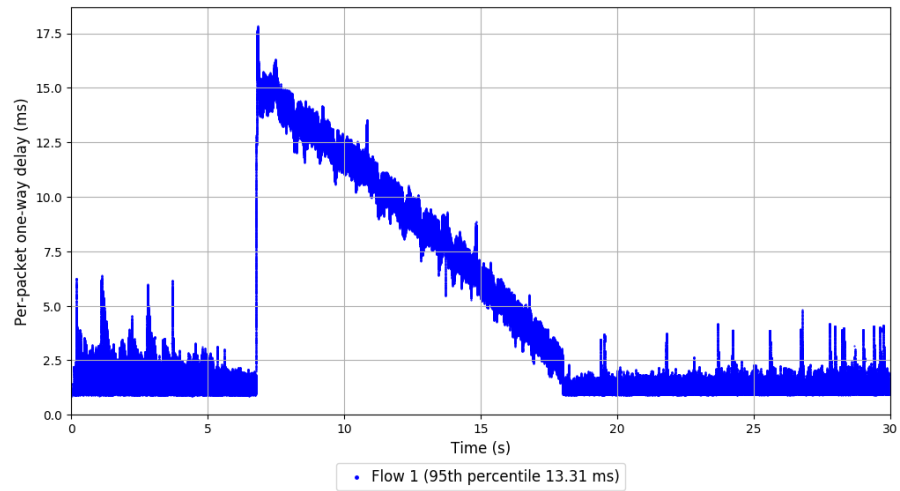
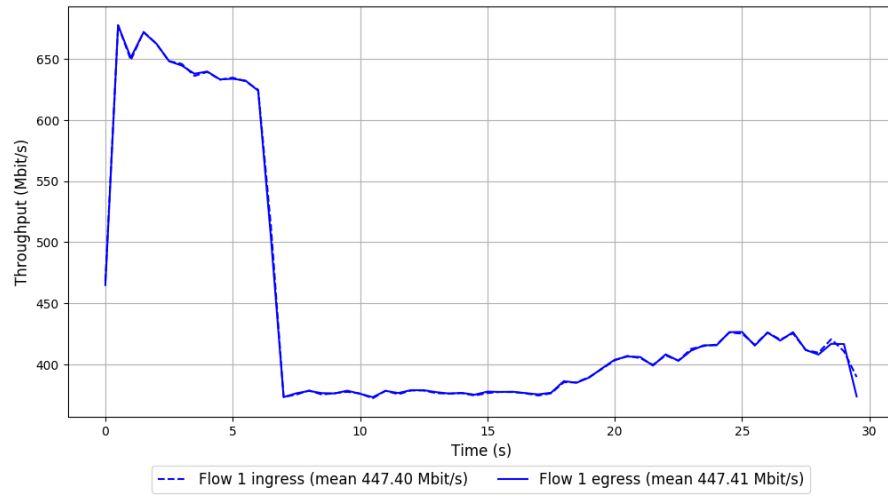


Run 6: Statistics of TCP Vegas

Start at: 2018-01-08 20:40:54  
End at: 2018-01-08 20:41:24  
Local clock offset: -10.495 ms  
Remote clock offset: -0.925 ms

# Below is generated by plot.py at 2018-01-09 03:20:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 447.41 Mbit/s  
95th percentile per-packet one-way delay: 13.307 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 447.41 Mbit/s  
95th percentile per-packet one-way delay: 13.307 ms  
Loss rate: 0.06%

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

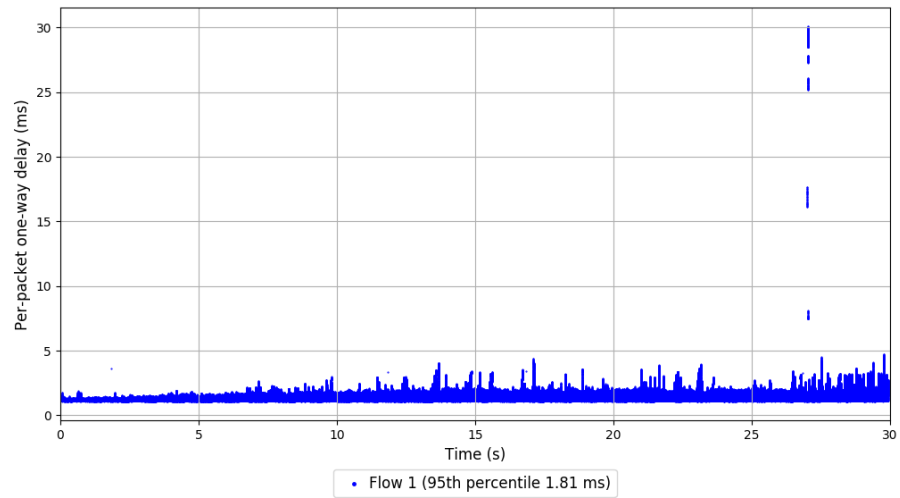
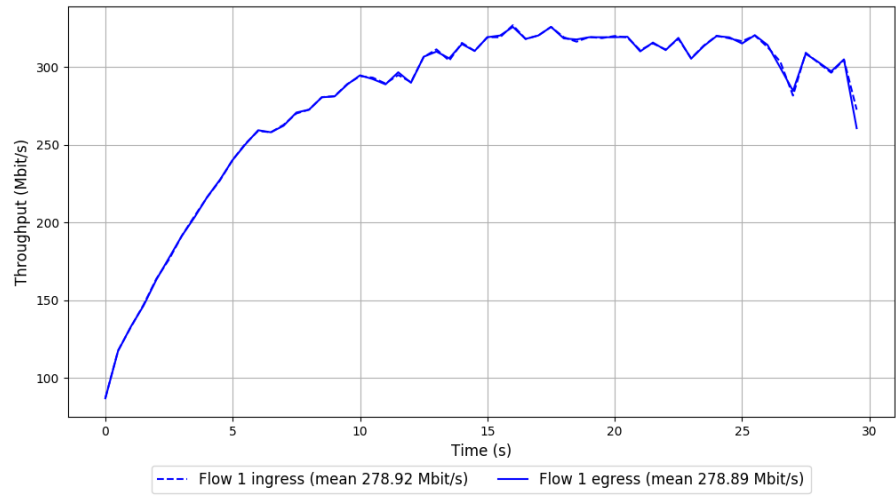


Run 7: Statistics of TCP Vegas

Start at: 2018-01-08 21:01:31  
End at: 2018-01-08 21:02:01  
Local clock offset: -13.367 ms  
Remote clock offset: -1.49 ms

# Below is generated by plot.py at 2018-01-09 03:20:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 278.89 Mbit/s  
95th percentile per-packet one-way delay: 1.814 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 278.89 Mbit/s  
95th percentile per-packet one-way delay: 1.814 ms  
Loss rate: 0.07%

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

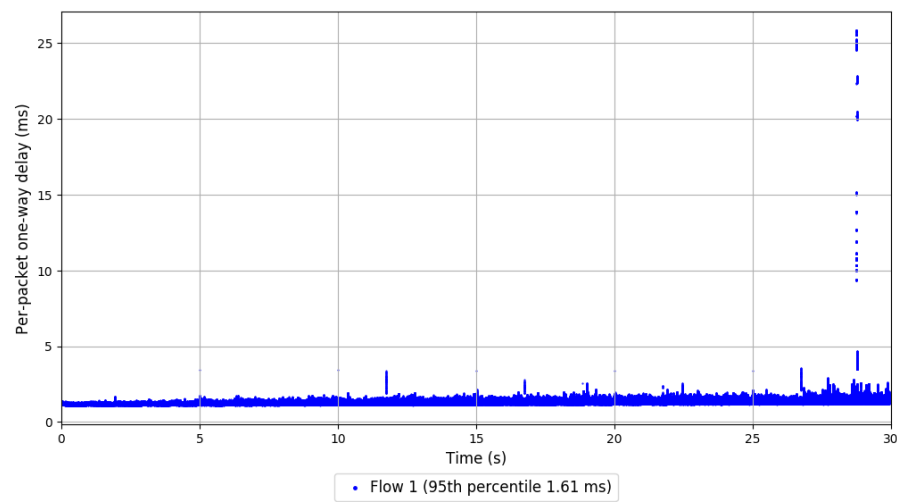
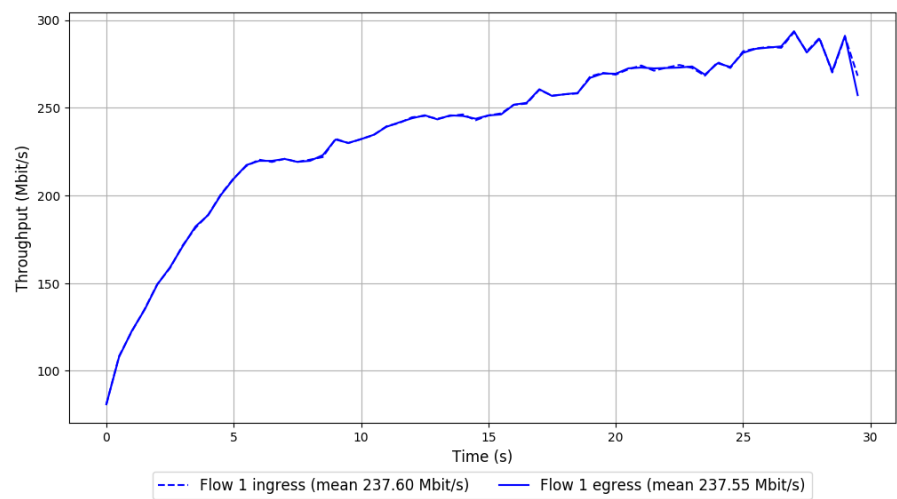


Run 8: Statistics of TCP Vegas

Start at: 2018-01-08 21:22:02  
End at: 2018-01-08 21:22:32  
Local clock offset: -16.087 ms  
Remote clock offset: -1.898 ms

# Below is generated by plot.py at 2018-01-09 03:20:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 237.55 Mbit/s  
95th percentile per-packet one-way delay: 1.610 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 237.55 Mbit/s  
95th percentile per-packet one-way delay: 1.610 ms  
Loss rate: 0.08%

Run 8: Report of TCP Vegas — Data Link

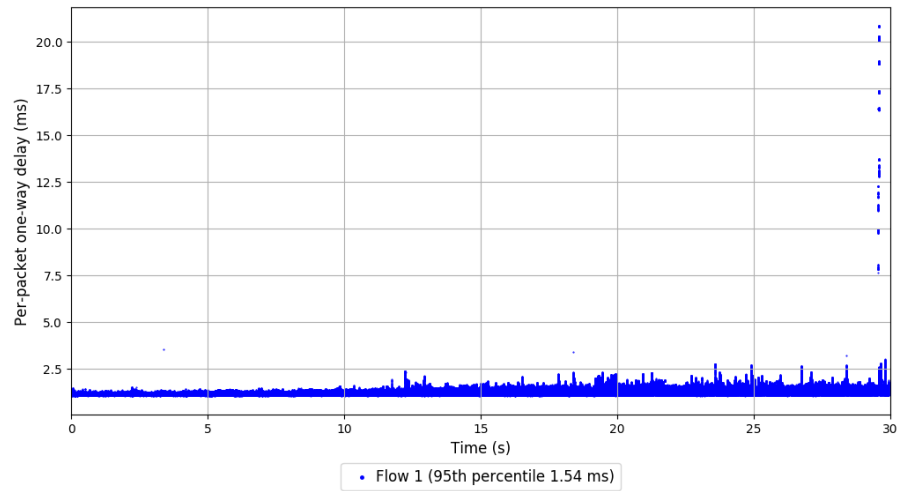
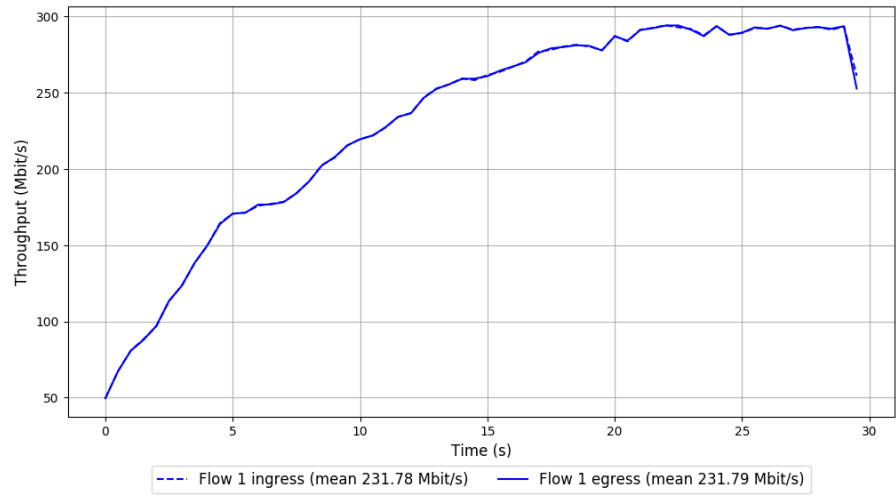


Run 9: Statistics of TCP Vegas

Start at: 2018-01-08 21:42:29  
End at: 2018-01-08 21:42:59  
Local clock offset: -16.699 ms  
Remote clock offset: -1.489 ms

# Below is generated by plot.py at 2018-01-09 03:20:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 231.79 Mbit/s  
95th percentile per-packet one-way delay: 1.536 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 231.79 Mbit/s  
95th percentile per-packet one-way delay: 1.536 ms  
Loss rate: 0.06%

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

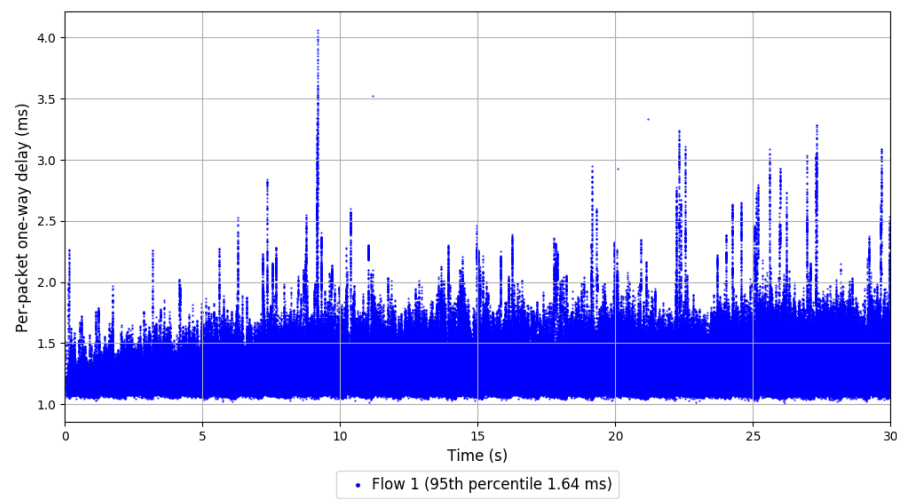
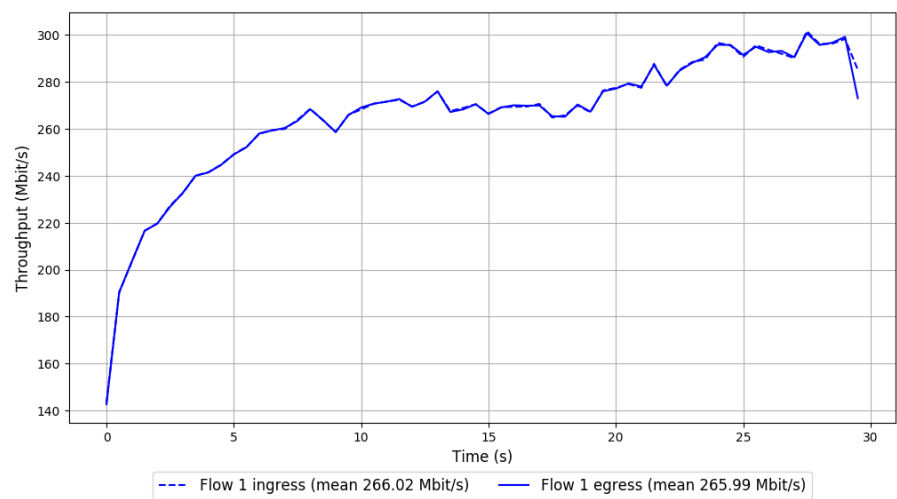


Run 10: Statistics of TCP Vegas

Start at: 2018-01-08 22:02:51  
End at: 2018-01-08 22:03:21  
Local clock offset: -16.533 ms  
Remote clock offset: -1.494 ms

# Below is generated by plot.py at 2018-01-09 03:20:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 265.99 Mbit/s  
95th percentile per-packet one-way delay: 1.643 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 265.99 Mbit/s  
95th percentile per-packet one-way delay: 1.643 ms  
Loss rate: 0.08%

Run 10: Report of TCP Vegas — Data Link

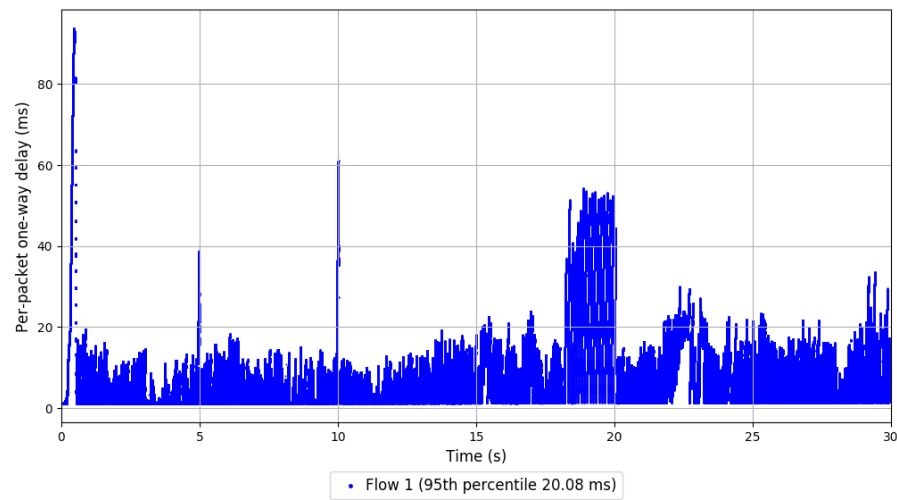
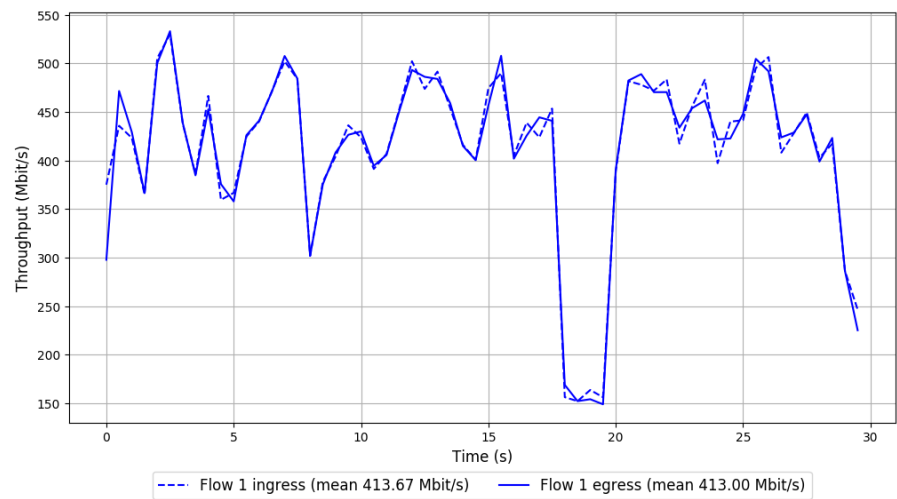


Run 1: Statistics of Verus

Start at: 2018-01-08 18:58:08  
End at: 2018-01-08 18:58:38  
Local clock offset: -15.579 ms  
Remote clock offset: -1.422 ms

# Below is generated by plot.py at 2018-01-09 03:22:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 413.00 Mbit/s  
95th percentile per-packet one-way delay: 20.081 ms  
Loss rate: 0.22%  
-- Flow 1:  
Average throughput: 413.00 Mbit/s  
95th percentile per-packet one-way delay: 20.081 ms  
Loss rate: 0.22%

Run 1: Report of Verus — Data Link

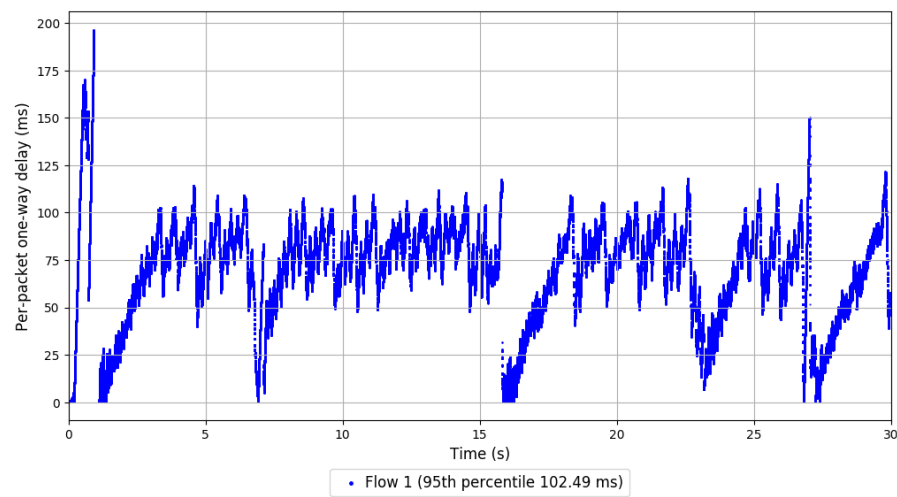
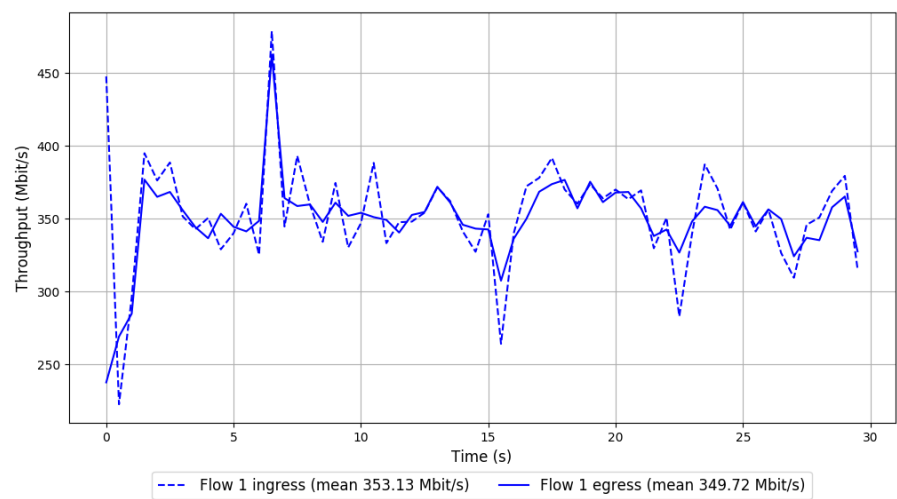


Run 2: Statistics of Verus

Start at: 2018-01-08 19:18:34  
End at: 2018-01-08 19:19:04  
Local clock offset: -7.157 ms  
Remote clock offset: -0.835 ms

# Below is generated by plot.py at 2018-01-09 03:22:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 349.72 Mbit/s  
95th percentile per-packet one-way delay: 102.492 ms  
Loss rate: 1.02%  
-- Flow 1:  
Average throughput: 349.72 Mbit/s  
95th percentile per-packet one-way delay: 102.492 ms  
Loss rate: 1.02%

Run 2: Report of Verus — Data Link

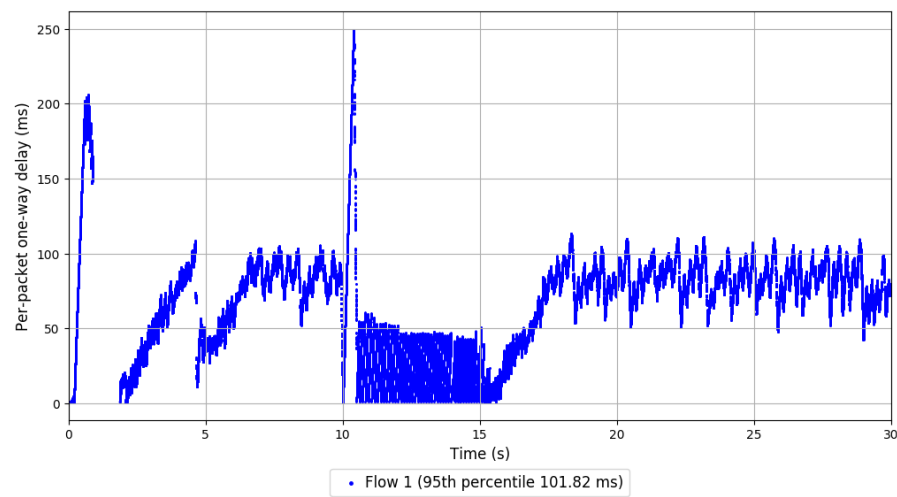
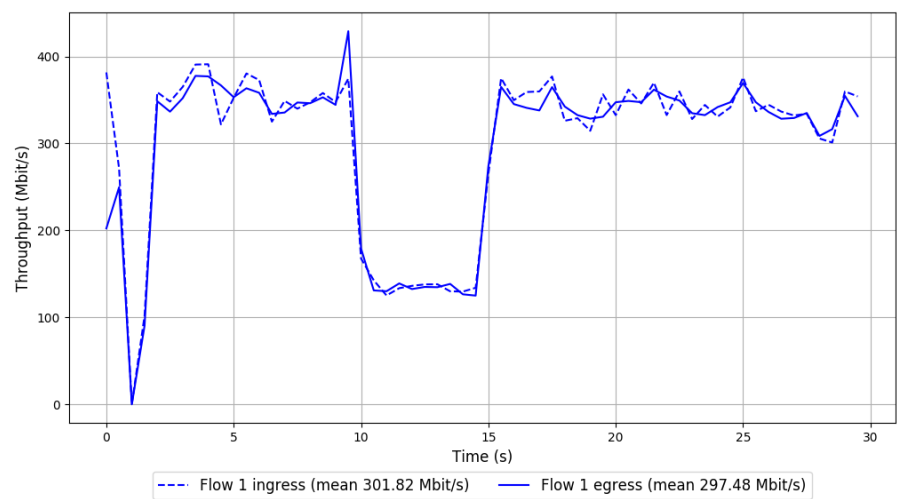


Run 3: Statistics of Verus

Start at: 2018-01-08 19:38:54  
End at: 2018-01-08 19:39:24  
Local clock offset: -6.864 ms  
Remote clock offset: -0.431 ms

# Below is generated by plot.py at 2018-01-09 03:22:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 297.48 Mbit/s  
95th percentile per-packet one-way delay: 101.817 ms  
Loss rate: 1.50%  
-- Flow 1:  
Average throughput: 297.48 Mbit/s  
95th percentile per-packet one-way delay: 101.817 ms  
Loss rate: 1.50%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-01-08 19:59:14

End at: 2018-01-08 19:59:44

Local clock offset: -8.213 ms

Remote clock offset: -0.34 ms

# Below is generated by plot.py at 2018-01-09 03:23:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 294.77 Mbit/s

95th percentile per-packet one-way delay: 93.483 ms

Loss rate: 1.25%

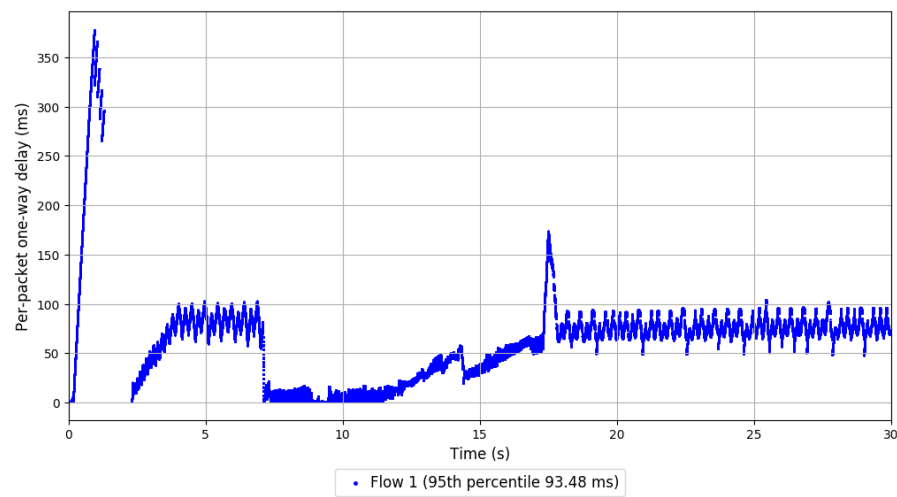
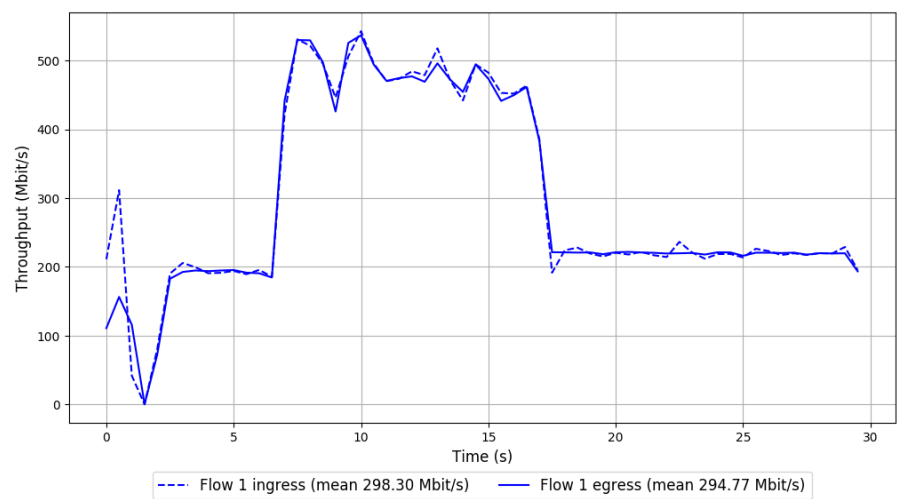
-- Flow 1:

Average throughput: 294.77 Mbit/s

95th percentile per-packet one-way delay: 93.483 ms

Loss rate: 1.25%

Run 4: Report of Verus — Data Link

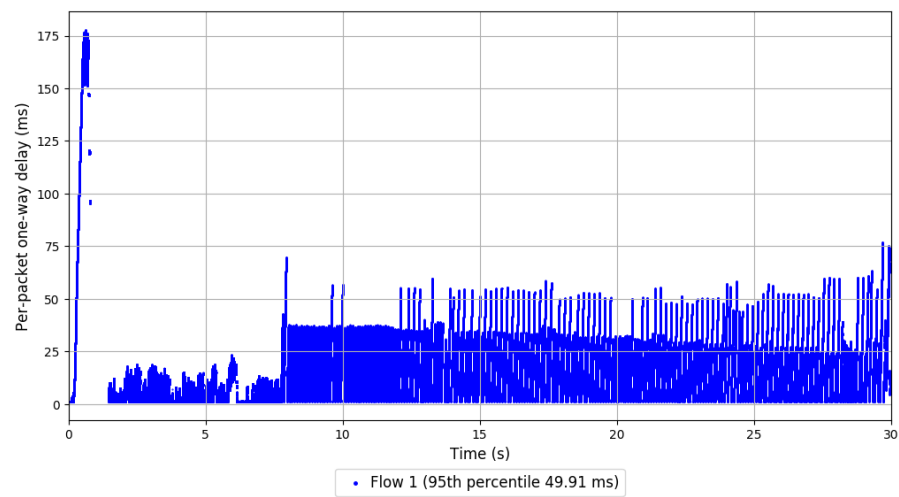
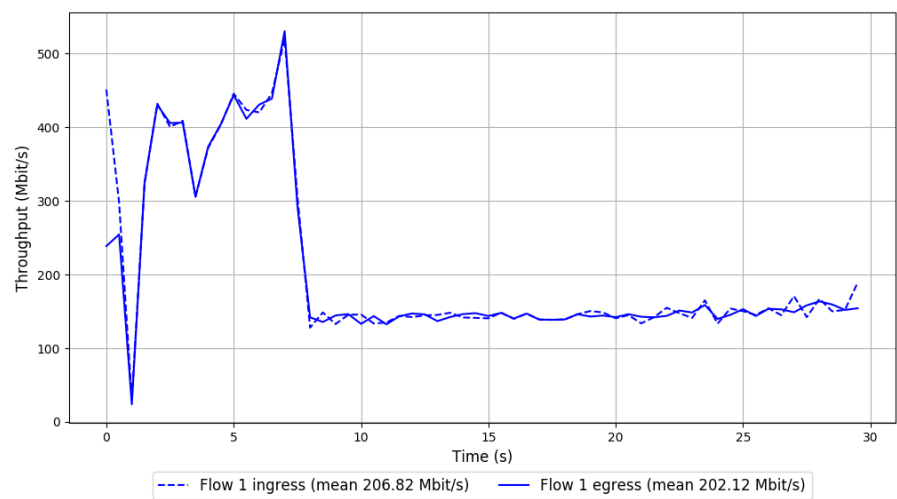


Run 5: Statistics of Verus

Start at: 2018-01-08 20:19:27  
End at: 2018-01-08 20:19:57  
Local clock offset: -11.927 ms  
Remote clock offset: -0.396 ms

# Below is generated by plot.py at 2018-01-09 03:23:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 202.12 Mbit/s  
95th percentile per-packet one-way delay: 49.915 ms  
Loss rate: 2.35%  
-- Flow 1:  
Average throughput: 202.12 Mbit/s  
95th percentile per-packet one-way delay: 49.915 ms  
Loss rate: 2.35%

Run 5: Report of Verus — Data Link

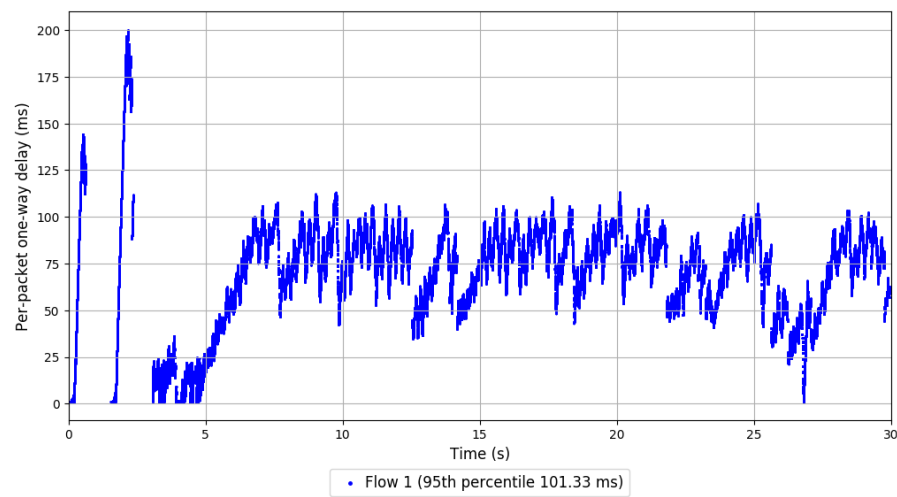
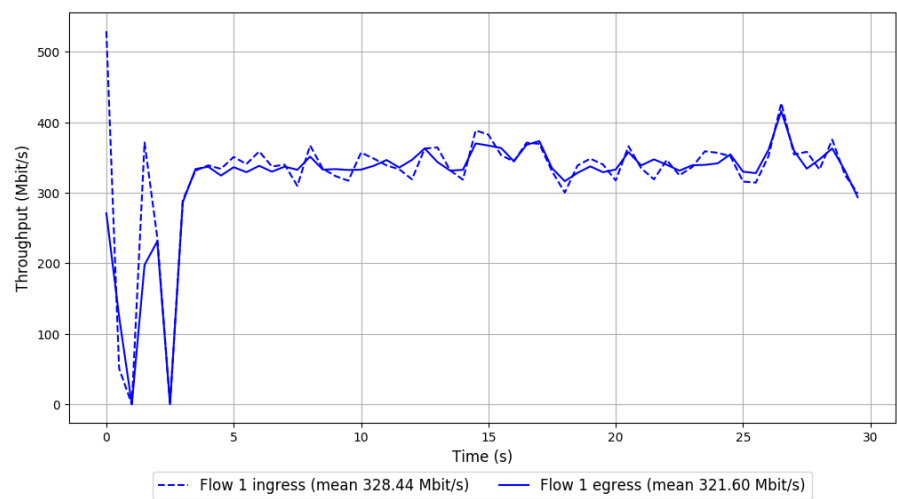


Run 6: Statistics of Verus

Start at: 2018-01-08 20:39:27  
End at: 2018-01-08 20:39:57  
Local clock offset: -10.392 ms  
Remote clock offset: -0.987 ms

# Below is generated by plot.py at 2018-01-09 03:25:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 321.60 Mbit/s  
95th percentile per-packet one-way delay: 101.329 ms  
Loss rate: 2.13%  
-- Flow 1:  
Average throughput: 321.60 Mbit/s  
95th percentile per-packet one-way delay: 101.329 ms  
Loss rate: 2.13%

Run 6: Report of Verus — Data Link

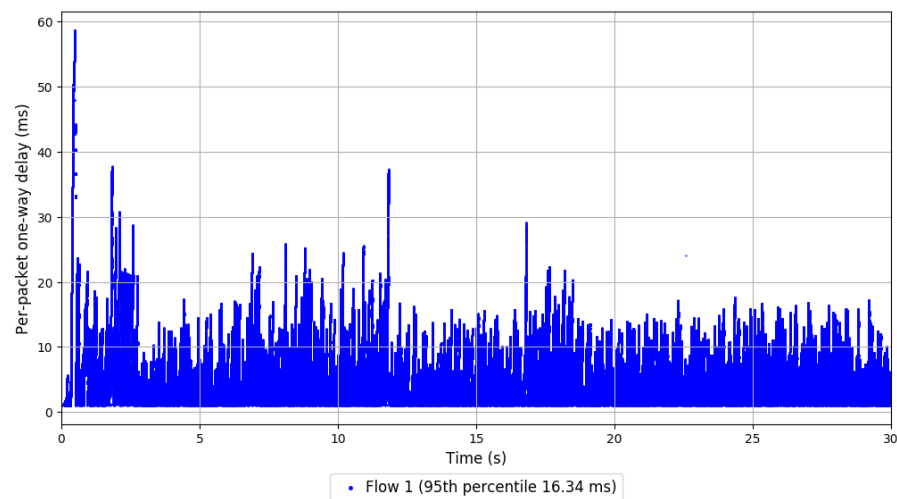
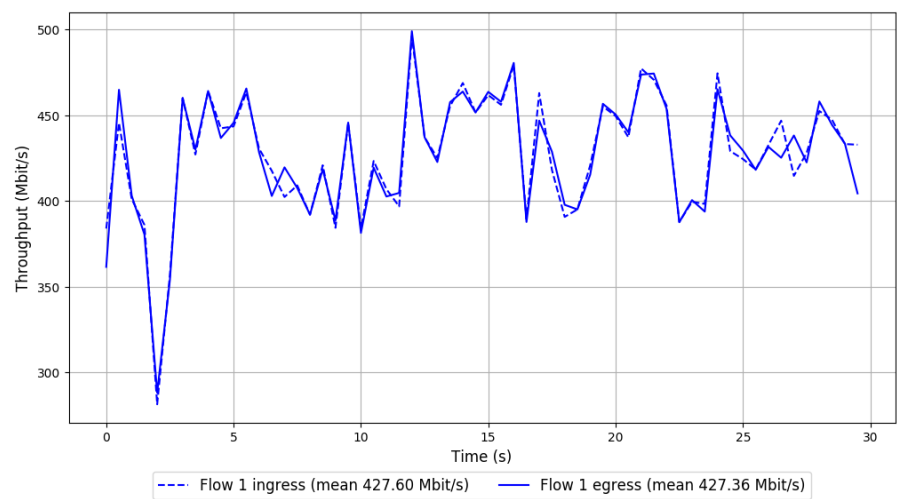


Run 7: Statistics of Verus

Start at: 2018-01-08 20:59:58  
End at: 2018-01-08 21:00:28  
Local clock offset: -13.303 ms  
Remote clock offset: -1.394 ms

# Below is generated by plot.py at 2018-01-09 03:29:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 427.36 Mbit/s  
95th percentile per-packet one-way delay: 16.344 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 427.36 Mbit/s  
95th percentile per-packet one-way delay: 16.344 ms  
Loss rate: 0.12%

Run 7: Report of Verus — Data Link

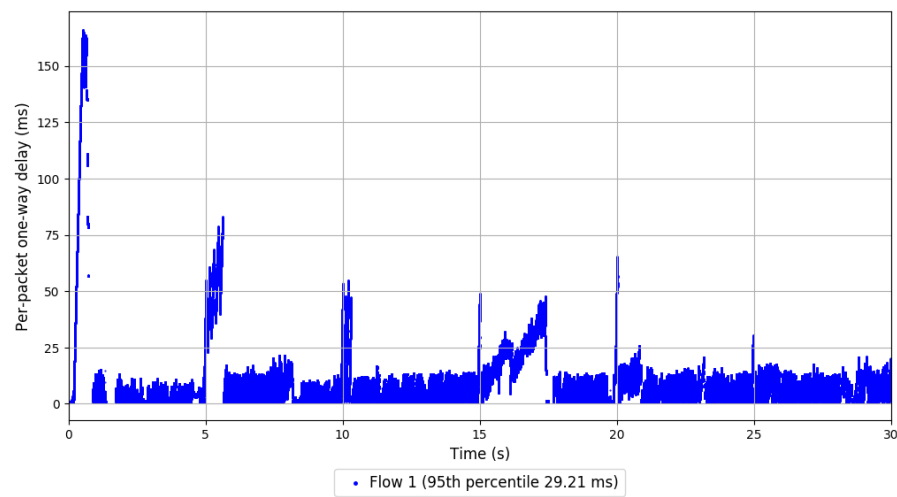
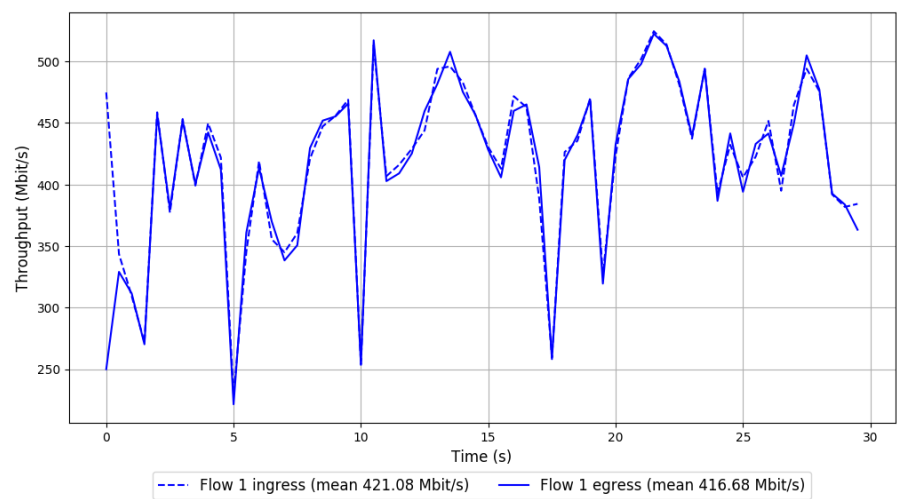


Run 8: Statistics of Verus

Start at: 2018-01-08 21:20:30  
End at: 2018-01-08 21:21:00  
Local clock offset: -15.795 ms  
Remote clock offset: -1.794 ms

# Below is generated by plot.py at 2018-01-09 03:31:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 416.68 Mbit/s  
95th percentile per-packet one-way delay: 29.213 ms  
Loss rate: 1.05%  
-- Flow 1:  
Average throughput: 416.68 Mbit/s  
95th percentile per-packet one-way delay: 29.213 ms  
Loss rate: 1.05%

Run 8: Report of Verus — Data Link

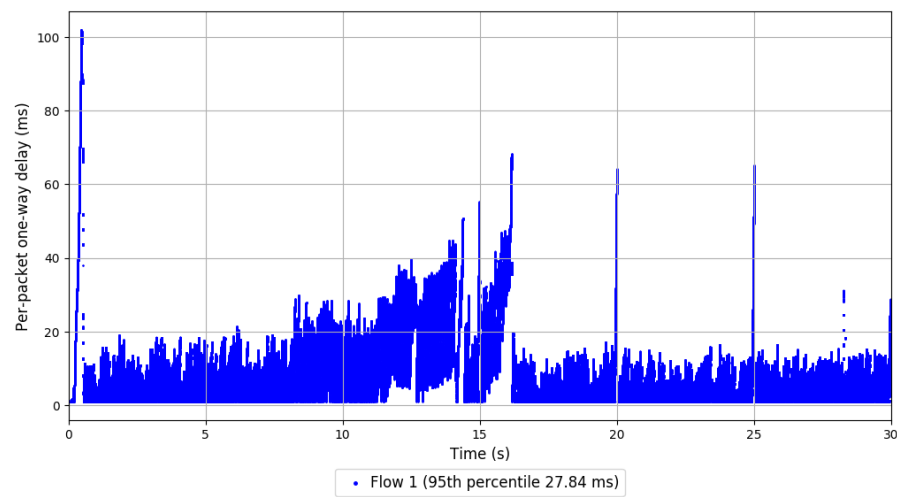
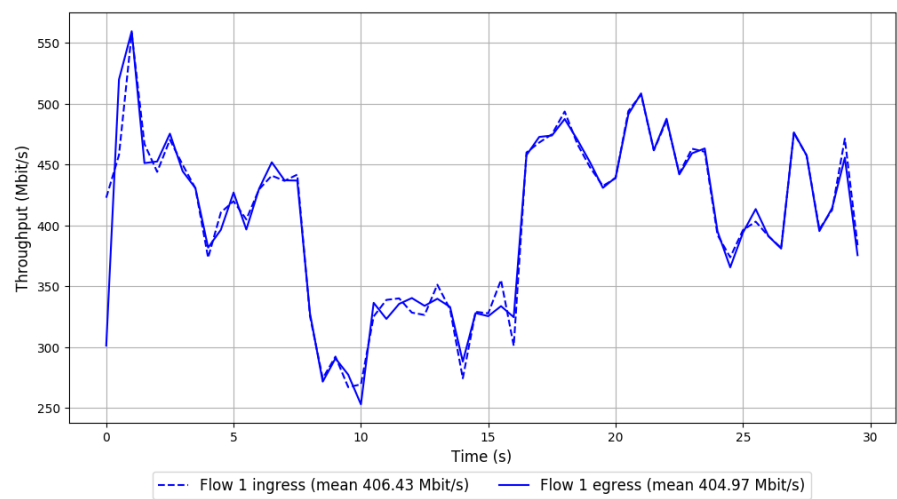


Run 9: Statistics of Verus

Start at: 2018-01-08 21:40:57  
End at: 2018-01-08 21:41:27  
Local clock offset: -16.645 ms  
Remote clock offset: -1.46 ms

# Below is generated by plot.py at 2018-01-09 03:31:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 404.97 Mbit/s  
95th percentile per-packet one-way delay: 27.835 ms  
Loss rate: 0.33%  
-- Flow 1:  
Average throughput: 404.97 Mbit/s  
95th percentile per-packet one-way delay: 27.835 ms  
Loss rate: 0.33%

Run 9: Report of Verus — Data Link

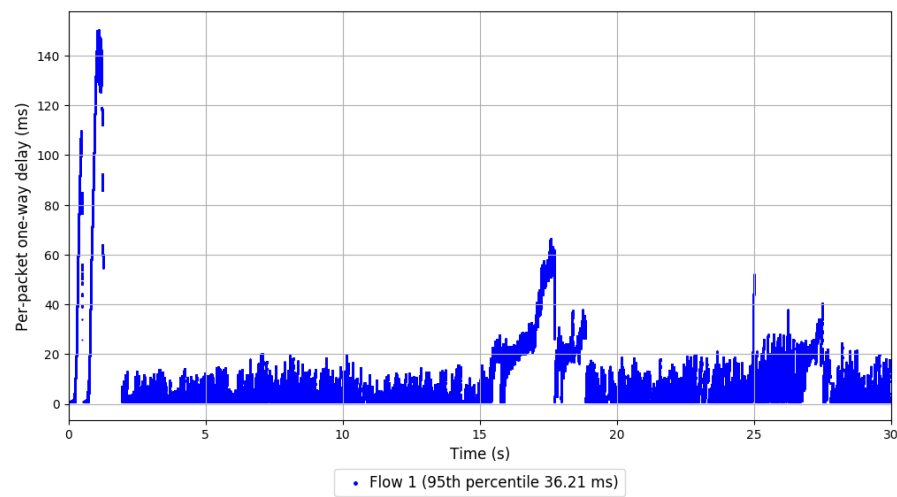
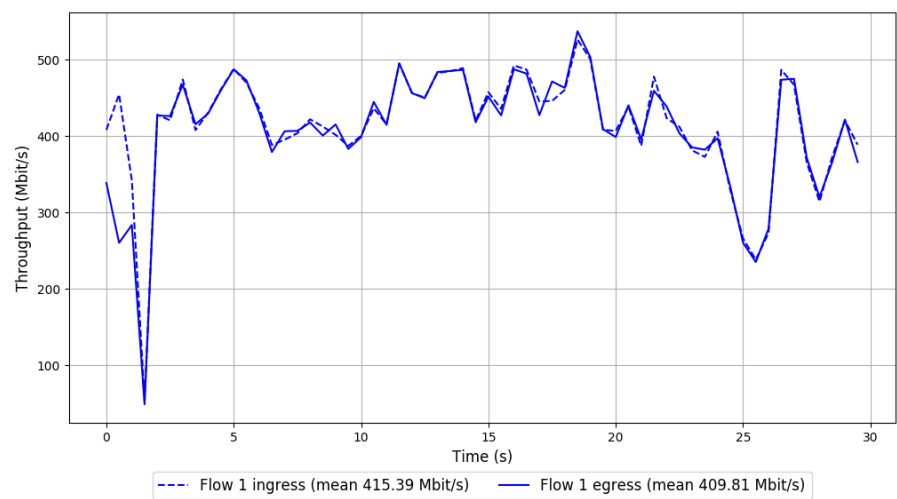


Run 10: Statistics of Verus

Start at: 2018-01-08 22:01:19  
End at: 2018-01-08 22:01:49  
Local clock offset: -16.701 ms  
Remote clock offset: -1.492 ms

# Below is generated by plot.py at 2018-01-09 03:32:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 409.81 Mbit/s  
95th percentile per-packet one-way delay: 36.207 ms  
Loss rate: 1.41%  
-- Flow 1:  
Average throughput: 409.81 Mbit/s  
95th percentile per-packet one-way delay: 36.207 ms  
Loss rate: 1.41%

Run 10: Report of Verus — Data Link

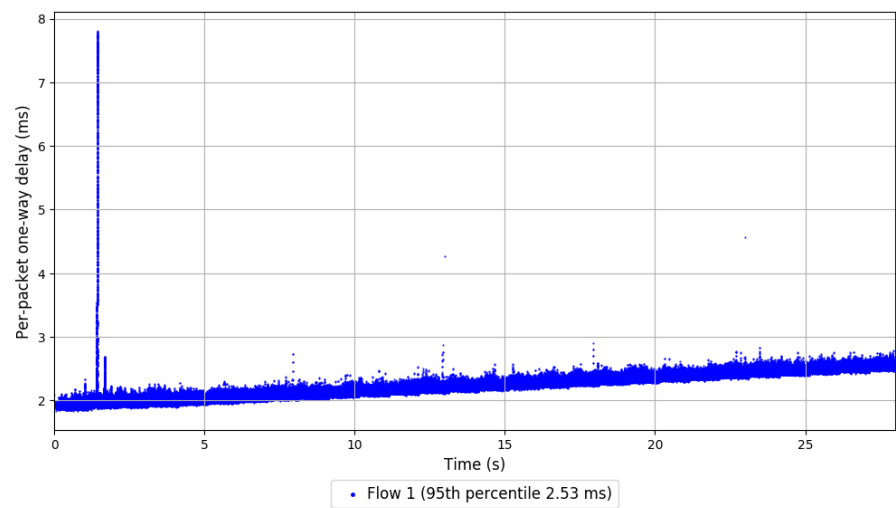
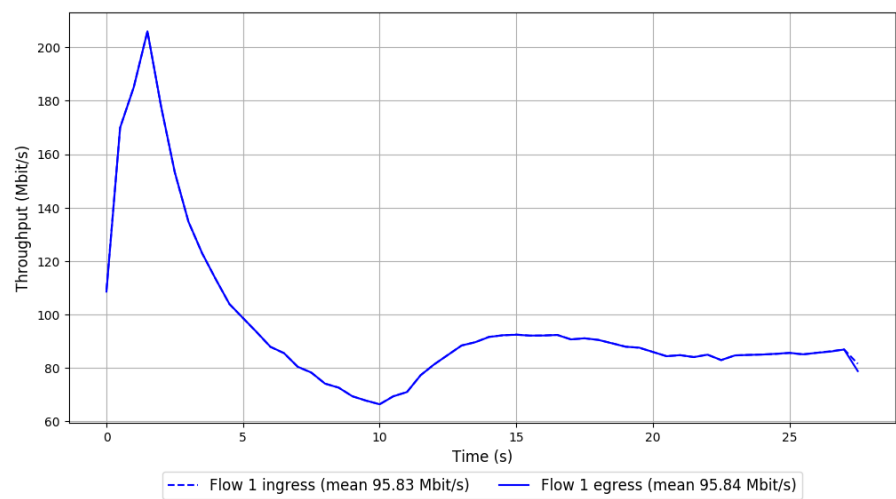


Run 1: Statistics of Copa

Start at: 2018-01-08 19:02:29  
End at: 2018-01-08 19:02:59  
Local clock offset: -19.086 ms  
Remote clock offset: -1.332 ms

# Below is generated by plot.py at 2018-01-09 03:32:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.84 Mbit/s  
95th percentile per-packet one-way delay: 2.526 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 95.84 Mbit/s  
95th percentile per-packet one-way delay: 2.526 ms  
Loss rate: 0.06%

Run 1: Report of Copa — Data Link

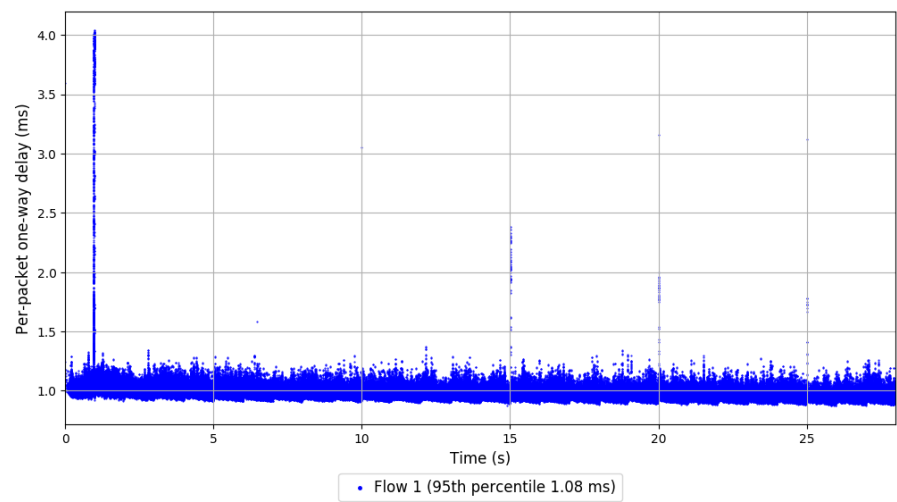
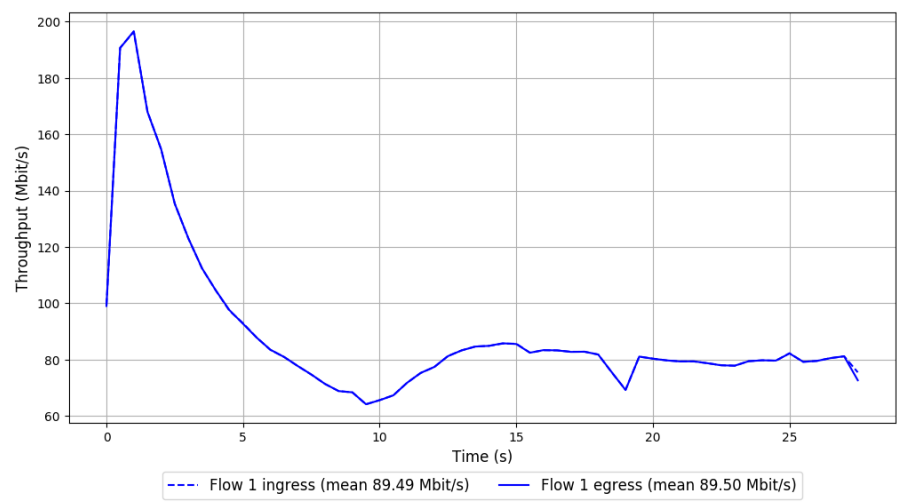


Run 2: Statistics of Copa

Start at: 2018-01-08 19:22:52  
End at: 2018-01-08 19:23:22  
Local clock offset: -5.234 ms  
Remote clock offset: -0.727 ms

# Below is generated by plot.py at 2018-01-09 03:32:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.50 Mbit/s  
95th percentile per-packet one-way delay: 1.080 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 89.50 Mbit/s  
95th percentile per-packet one-way delay: 1.080 ms  
Loss rate: 0.06%

Run 2: Report of Copa — Data Link

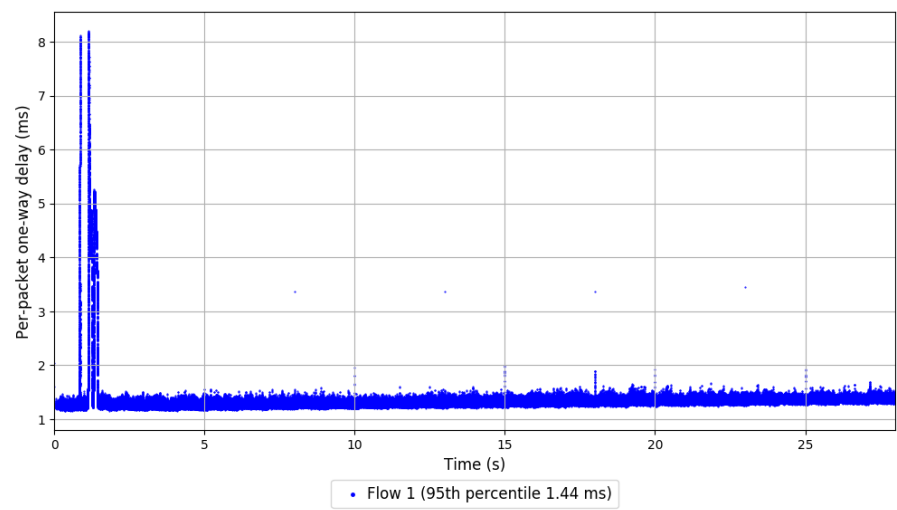
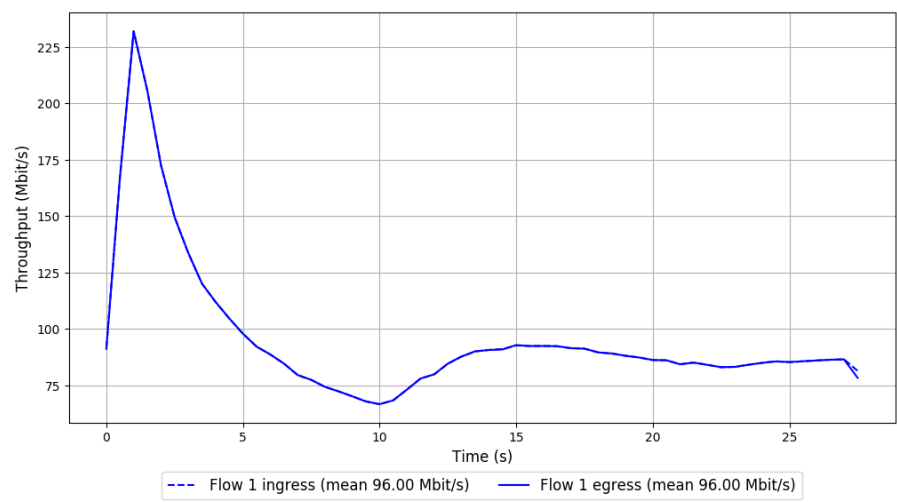


Run 3: Statistics of Copa

Start at: 2018-01-08 19:43:19  
End at: 2018-01-08 19:43:49  
Local clock offset: -7.662 ms  
Remote clock offset: -0.442 ms

# Below is generated by plot.py at 2018-01-09 03:32:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.00 Mbit/s  
95th percentile per-packet one-way delay: 1.440 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 96.00 Mbit/s  
95th percentile per-packet one-way delay: 1.440 ms  
Loss rate: 0.06%

Run 3: Report of Copa — Data Link

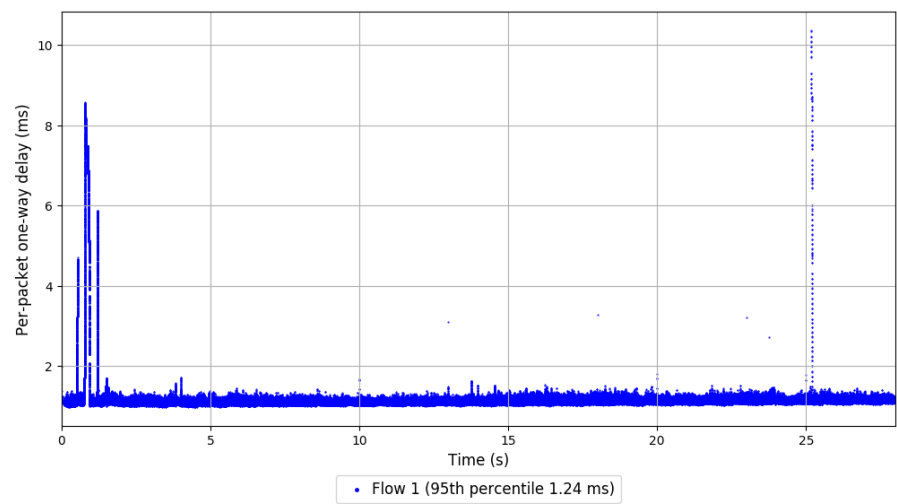
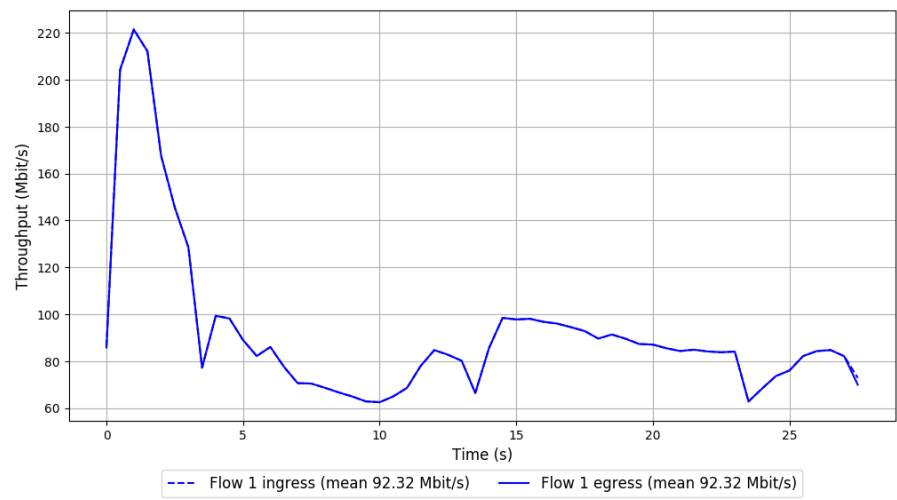


Run 4: Statistics of Copa

Start at: 2018-01-08 20:03:30  
End at: 2018-01-08 20:04:00  
Local clock offset: -8.462 ms  
Remote clock offset: -0.235 ms

# Below is generated by plot.py at 2018-01-09 03:32:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.32 Mbit/s  
95th percentile per-packet one-way delay: 1.242 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 92.32 Mbit/s  
95th percentile per-packet one-way delay: 1.242 ms  
Loss rate: 0.06%

Run 4: Report of Copa — Data Link

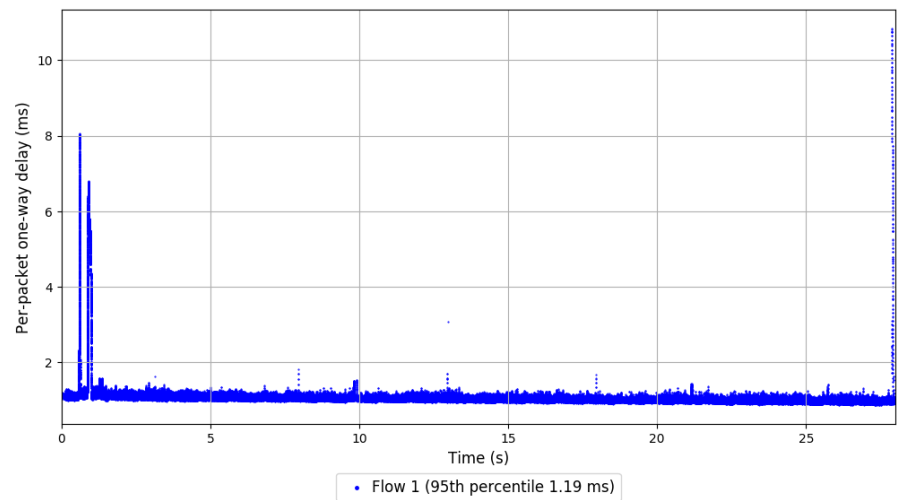
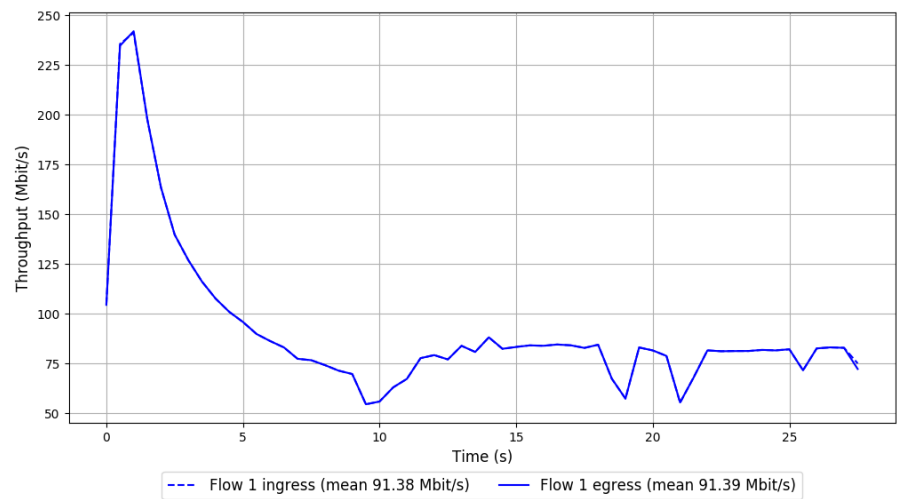


Run 5: Statistics of Copa

Start at: 2018-01-08 20:23:44  
End at: 2018-01-08 20:24:14  
Local clock offset: -12.153 ms  
Remote clock offset: -0.466 ms

# Below is generated by plot.py at 2018-01-09 03:32:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.39 Mbit/s  
95th percentile per-packet one-way delay: 1.188 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 91.39 Mbit/s  
95th percentile per-packet one-way delay: 1.188 ms  
Loss rate: 0.06%

Run 5: Report of Copa — Data Link

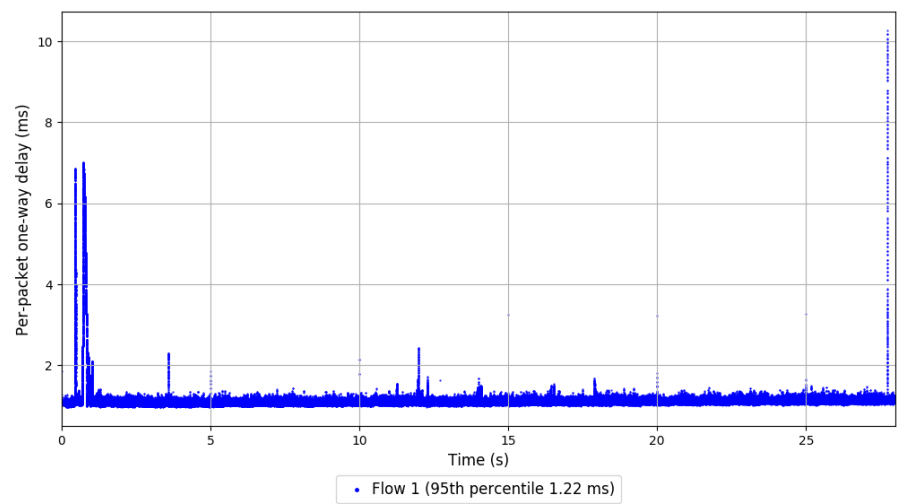
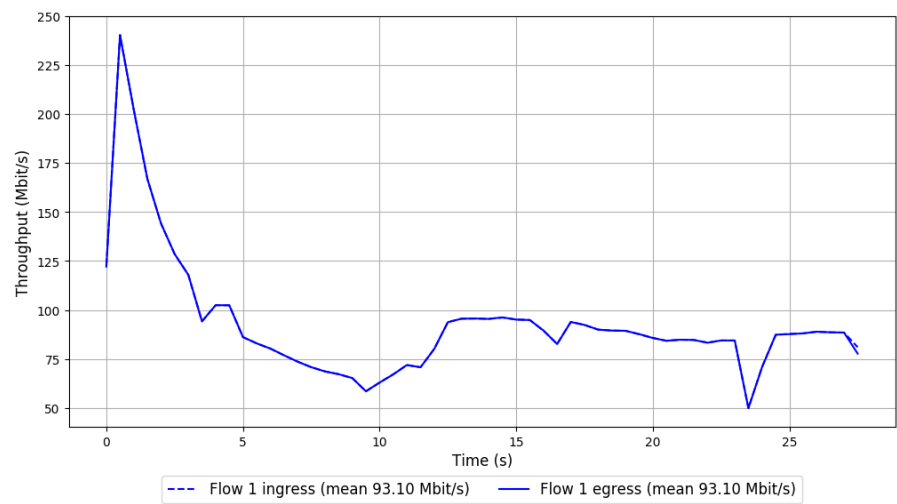


Run 6: Statistics of Copa

Start at: 2018-01-08 20:43:50  
End at: 2018-01-08 20:44:20  
Local clock offset: -10.823 ms  
Remote clock offset: -1.088 ms

# Below is generated by plot.py at 2018-01-09 03:32:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.10 Mbit/s  
95th percentile per-packet one-way delay: 1.217 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 93.10 Mbit/s  
95th percentile per-packet one-way delay: 1.217 ms  
Loss rate: 0.07%

Run 6: Report of Copa — Data Link

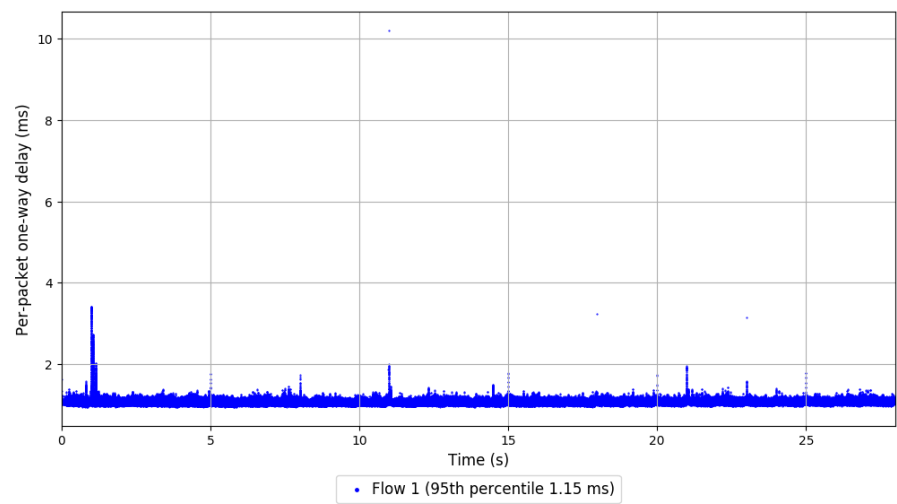
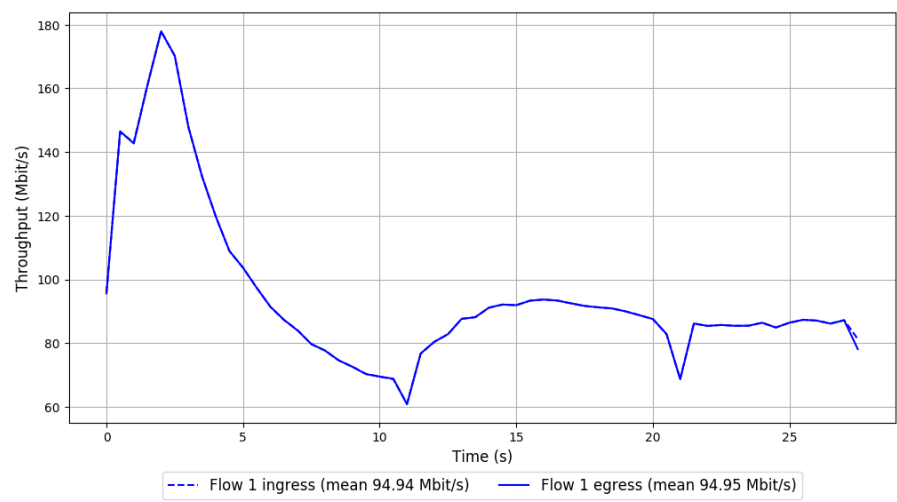


Run 7: Statistics of Copa

Start at: 2018-01-08 21:04:23  
End at: 2018-01-08 21:04:53  
Local clock offset: -13.556 ms  
Remote clock offset: -1.511 ms

# Below is generated by plot.py at 2018-01-09 03:32:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.95 Mbit/s  
95th percentile per-packet one-way delay: 1.148 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 94.95 Mbit/s  
95th percentile per-packet one-way delay: 1.148 ms  
Loss rate: 0.06%

Run 7: Report of Copa — Data Link

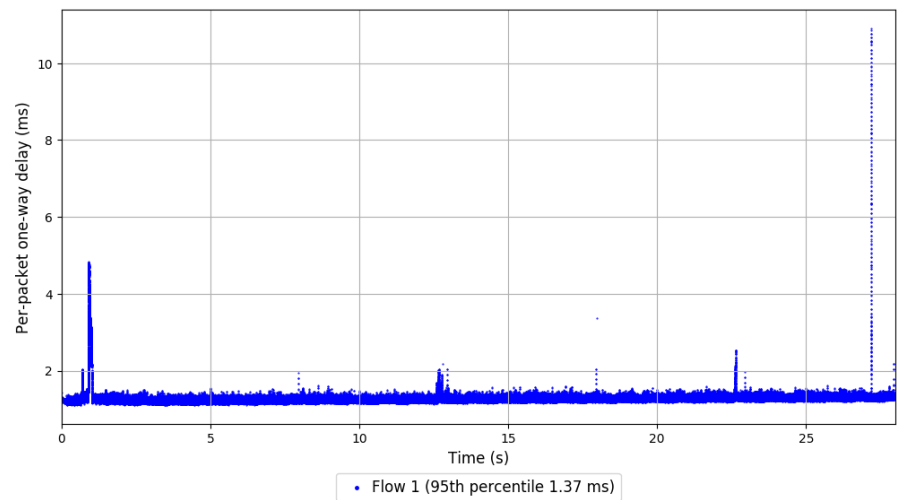
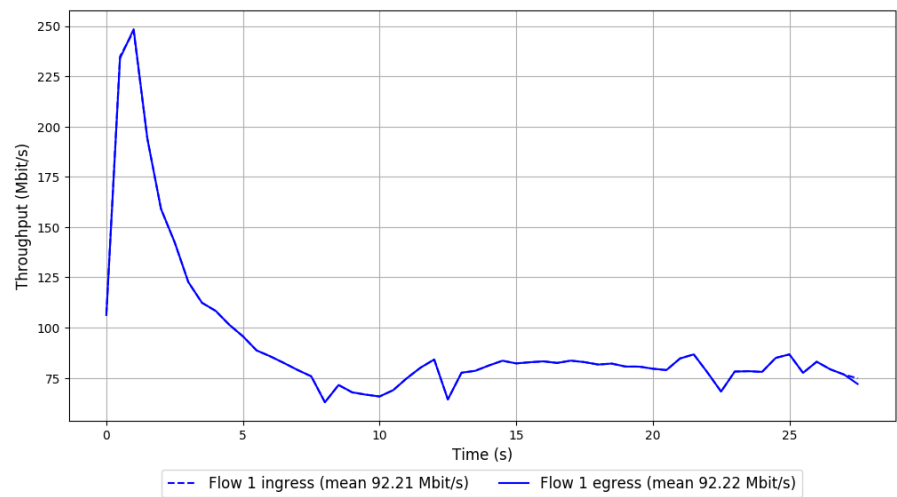


Run 8: Statistics of Copa

Start at: 2018-01-08 21:24:51  
End at: 2018-01-08 21:25:21  
Local clock offset: -16.62 ms  
Remote clock offset: -1.857 ms

# Below is generated by plot.py at 2018-01-09 03:33:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.22 Mbit/s  
95th percentile per-packet one-way delay: 1.368 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 92.22 Mbit/s  
95th percentile per-packet one-way delay: 1.368 ms  
Loss rate: 0.06%

Run 8: Report of Copa — Data Link

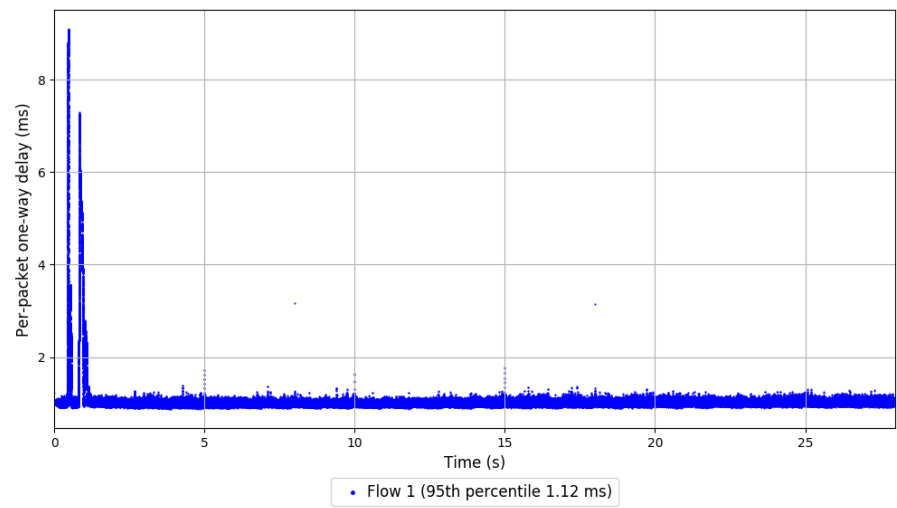
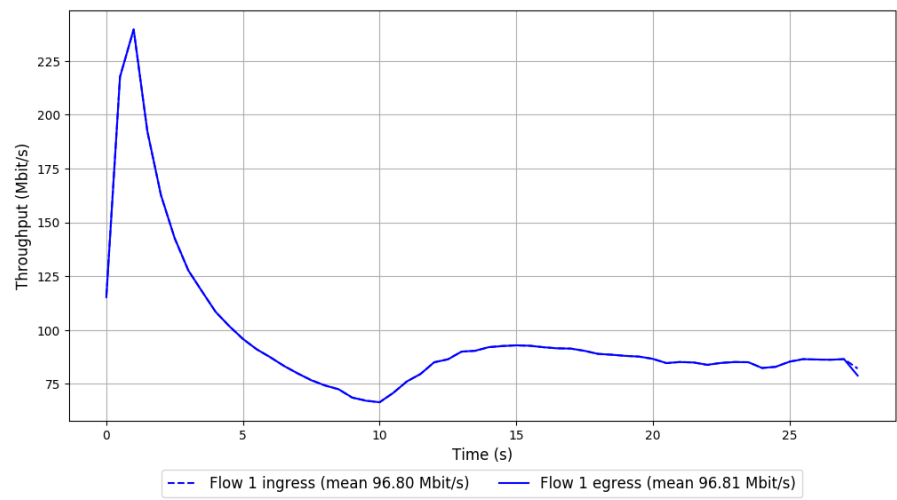


Run 9: Statistics of Copa

Start at: 2018-01-08 21:45:12  
End at: 2018-01-08 21:45:42  
Local clock offset: -16.931 ms  
Remote clock offset: -1.458 ms

# Below is generated by plot.py at 2018-01-09 03:34:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.81 Mbit/s  
95th percentile per-packet one-way delay: 1.121 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 96.81 Mbit/s  
95th percentile per-packet one-way delay: 1.121 ms  
Loss rate: 0.06%

Run 9: Report of Copa — Data Link

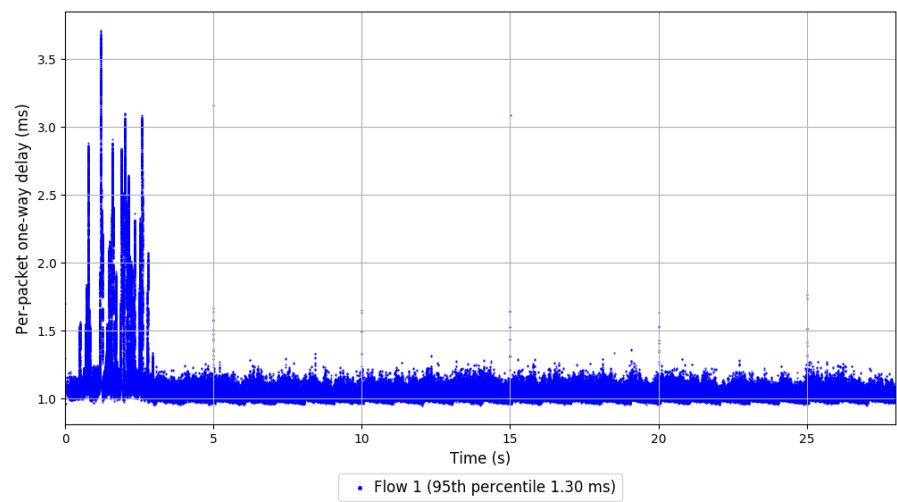
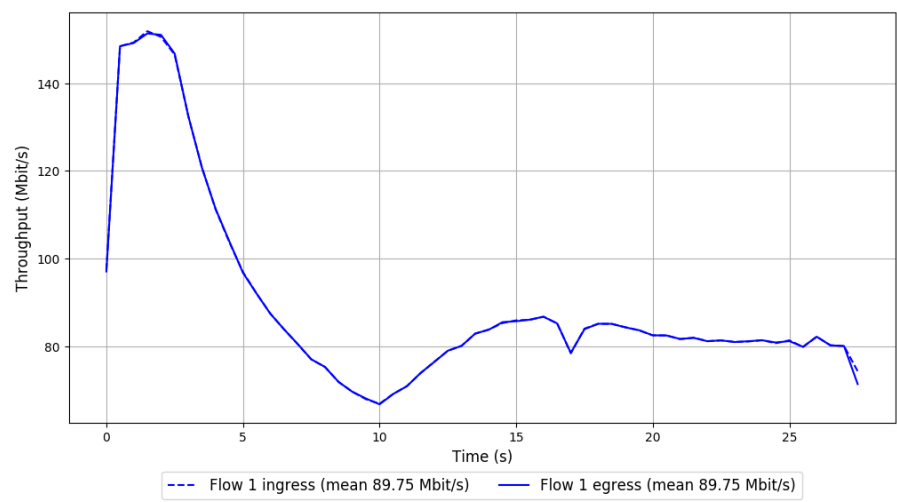


Run 10: Statistics of Copa

Start at: 2018-01-08 22:05:39  
End at: 2018-01-08 22:06:09  
Local clock offset: -16.597 ms  
Remote clock offset: -1.473 ms

# Below is generated by plot.py at 2018-01-09 03:34:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.75 Mbit/s  
95th percentile per-packet one-way delay: 1.302 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 89.75 Mbit/s  
95th percentile per-packet one-way delay: 1.302 ms  
Loss rate: 0.06%

Run 10: Report of Copa — Data Link

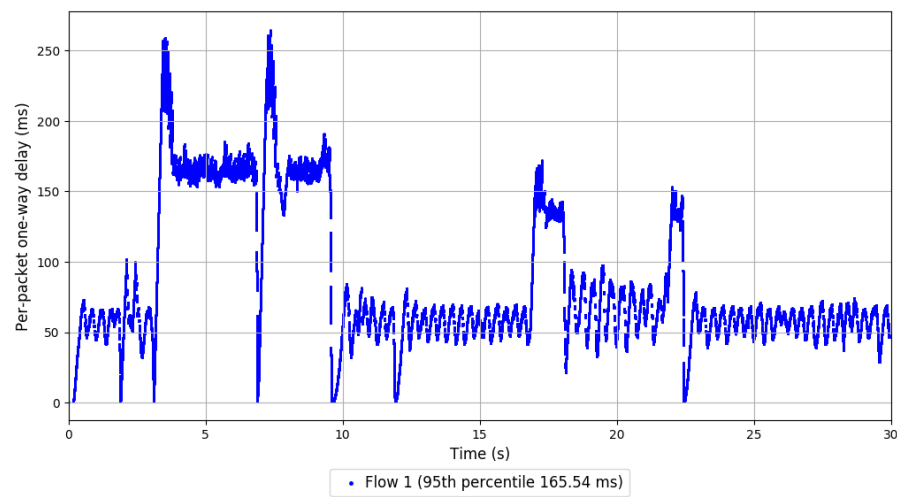
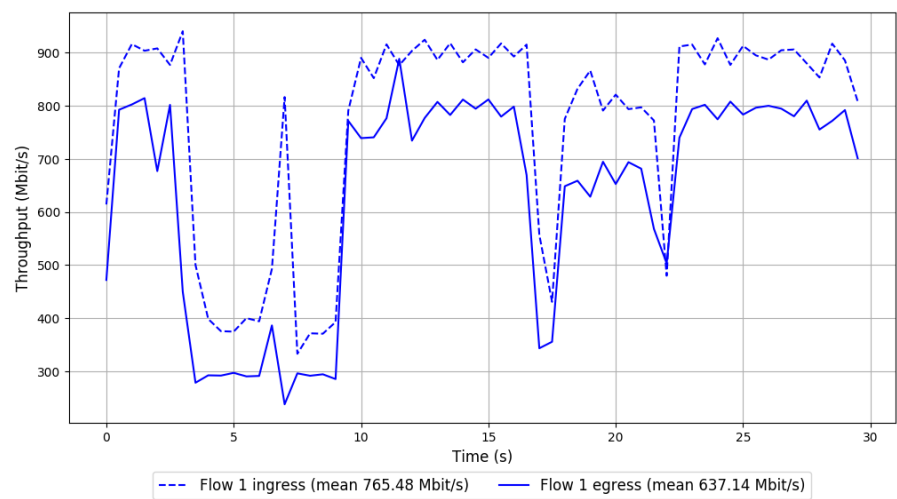


```
Run 1: Statistics of FillP

Start at: 2018-01-08 19:09:24
End at: 2018-01-08 19:09:54
Local clock offset: -15.066 ms
Remote clock offset: -1.105 ms

# Below is generated by plot.py at 2018-01-09 03:50:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 637.14 Mbit/s
95th percentile per-packet one-way delay: 165.540 ms
Loss rate: 16.82%
-- Flow 1:
Average throughput: 637.14 Mbit/s
95th percentile per-packet one-way delay: 165.540 ms
Loss rate: 16.82%
```

Run 1: Report of FillP — Data Link

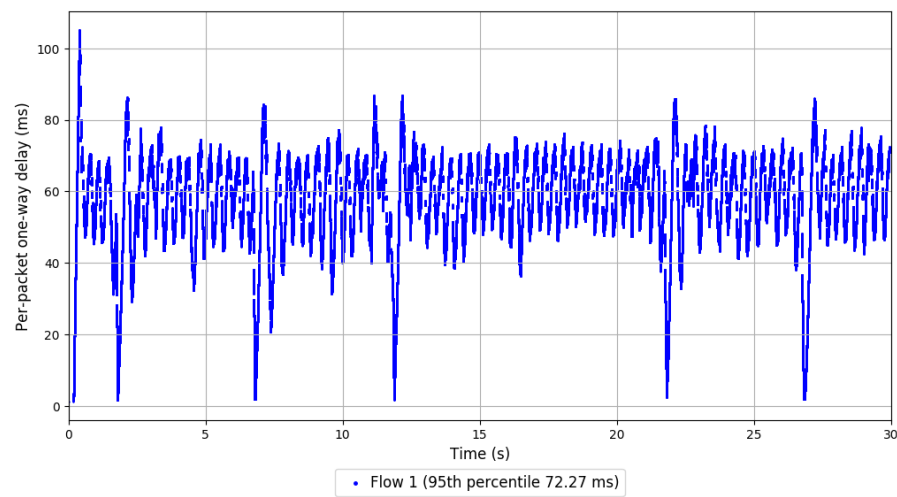
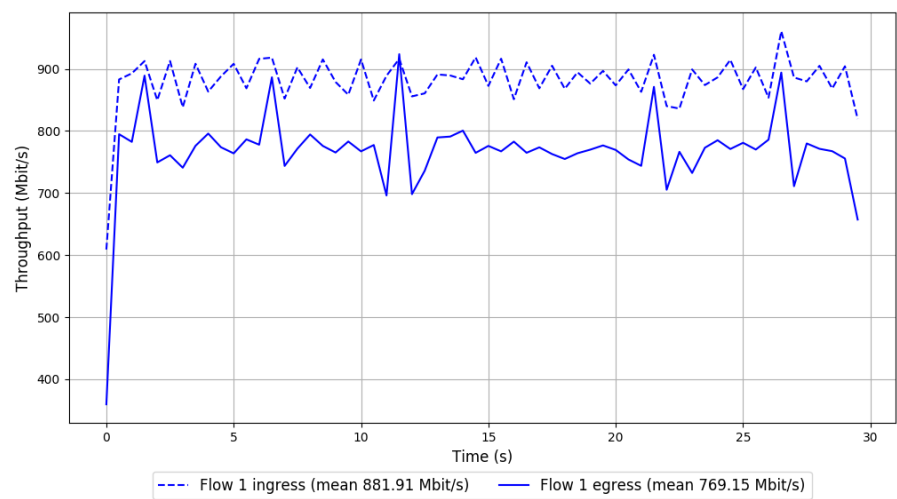


Run 2: Statistics of FillP

Start at: 2018-01-08 19:29:43  
End at: 2018-01-08 19:30:13  
Local clock offset: -5.704 ms  
Remote clock offset: -0.603 ms

# Below is generated by plot.py at 2018-01-09 03:55:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 769.15 Mbit/s  
95th percentile per-packet one-way delay: 72.270 ms  
Loss rate: 12.84%  
-- Flow 1:  
Average throughput: 769.15 Mbit/s  
95th percentile per-packet one-way delay: 72.270 ms  
Loss rate: 12.84%

Run 2: Report of FillP — Data Link

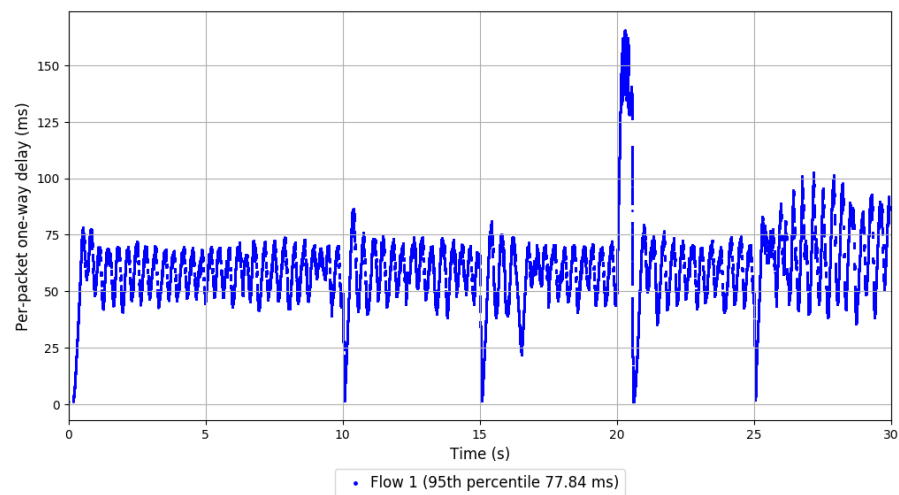
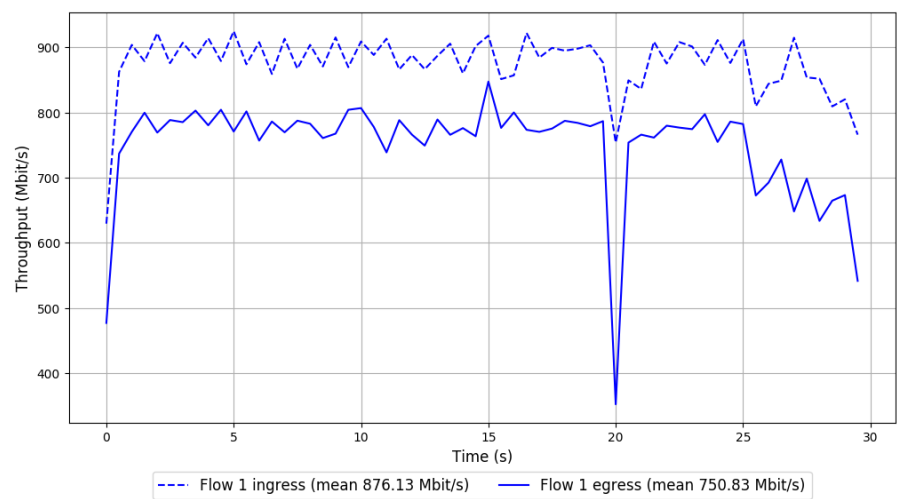


Run 3: Statistics of FillP

Start at: 2018-01-08 19:50:01  
End at: 2018-01-08 19:50:31  
Local clock offset: -6.95 ms  
Remote clock offset: -0.547 ms

# Below is generated by plot.py at 2018-01-09 03:55:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 750.83 Mbit/s  
95th percentile per-packet one-way delay: 77.845 ms  
Loss rate: 14.36%  
-- Flow 1:  
Average throughput: 750.83 Mbit/s  
95th percentile per-packet one-way delay: 77.845 ms  
Loss rate: 14.36%

Run 3: Report of FillP — Data Link

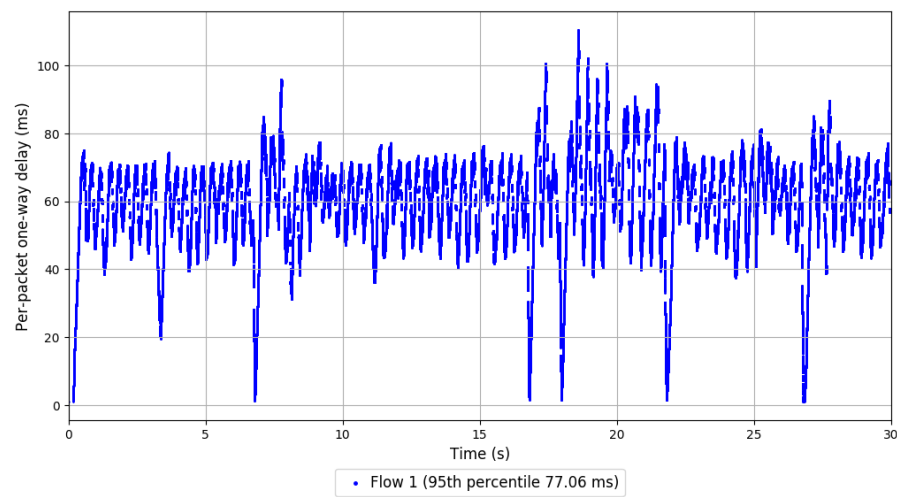
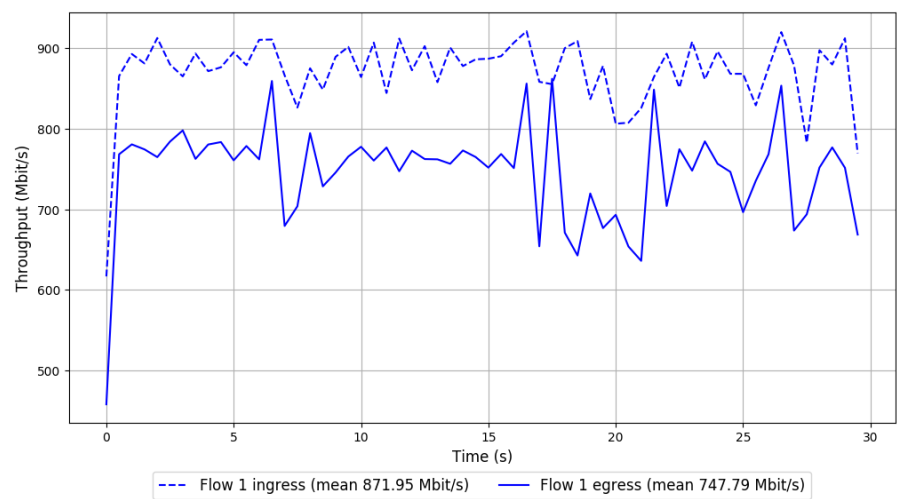


Run 4: Statistics of FillP

Start at: 2018-01-08 20:10:20  
End at: 2018-01-08 20:10:50  
Local clock offset: -9.828 ms  
Remote clock offset: -0.217 ms

# Below is generated by plot.py at 2018-01-09 03:55:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 747.79 Mbit/s  
95th percentile per-packet one-way delay: 77.062 ms  
Loss rate: 14.30%  
-- Flow 1:  
Average throughput: 747.79 Mbit/s  
95th percentile per-packet one-way delay: 77.062 ms  
Loss rate: 14.30%

Run 4: Report of FillP — Data Link

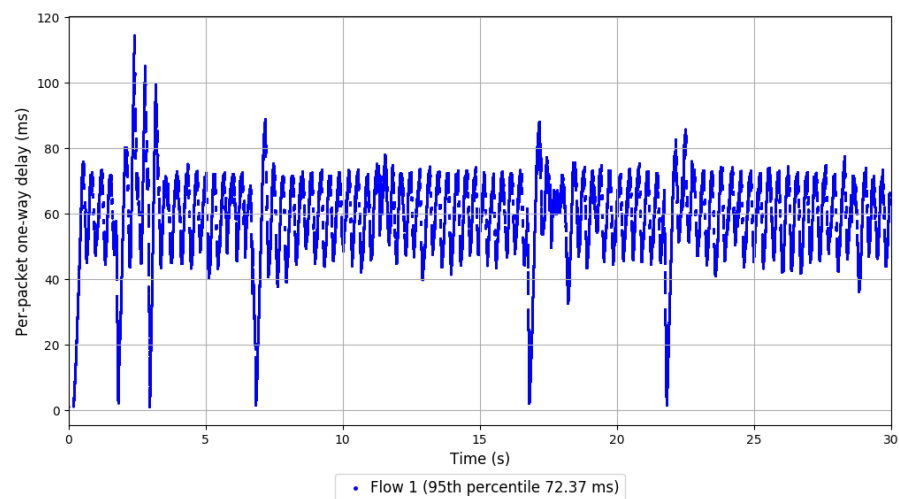
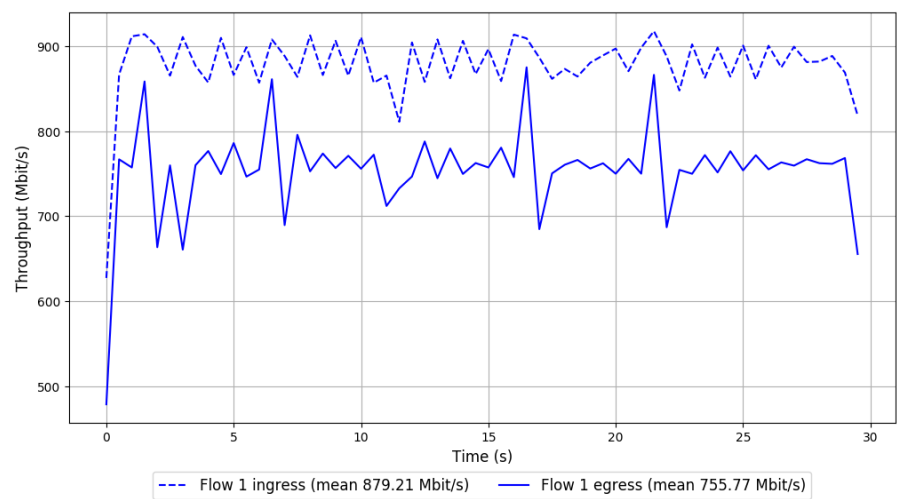


Run 5: Statistics of FillP

Start at: 2018-01-08 20:30:19  
End at: 2018-01-08 20:30:49  
Local clock offset: -10.984 ms  
Remote clock offset: -0.628 ms

# Below is generated by plot.py at 2018-01-09 03:56:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 755.77 Mbit/s  
95th percentile per-packet one-way delay: 72.371 ms  
Loss rate: 14.10%  
-- Flow 1:  
Average throughput: 755.77 Mbit/s  
95th percentile per-packet one-way delay: 72.371 ms  
Loss rate: 14.10%

Run 5: Report of FillP — Data Link

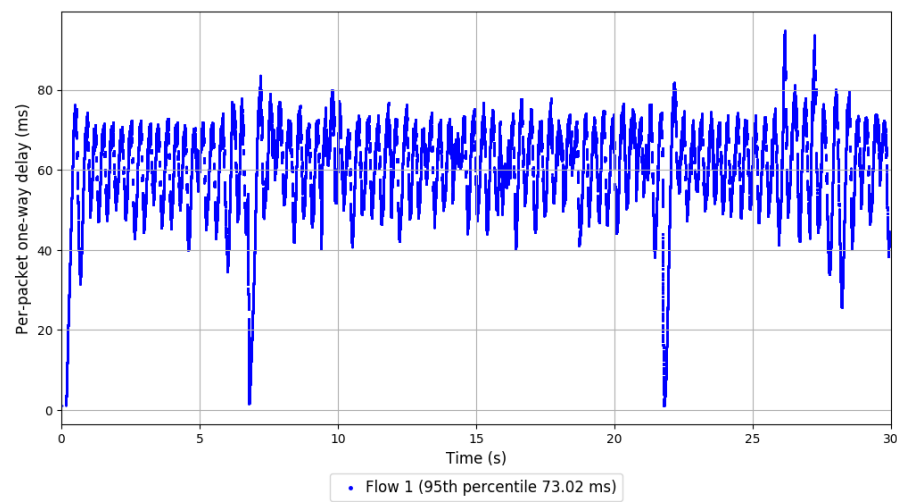
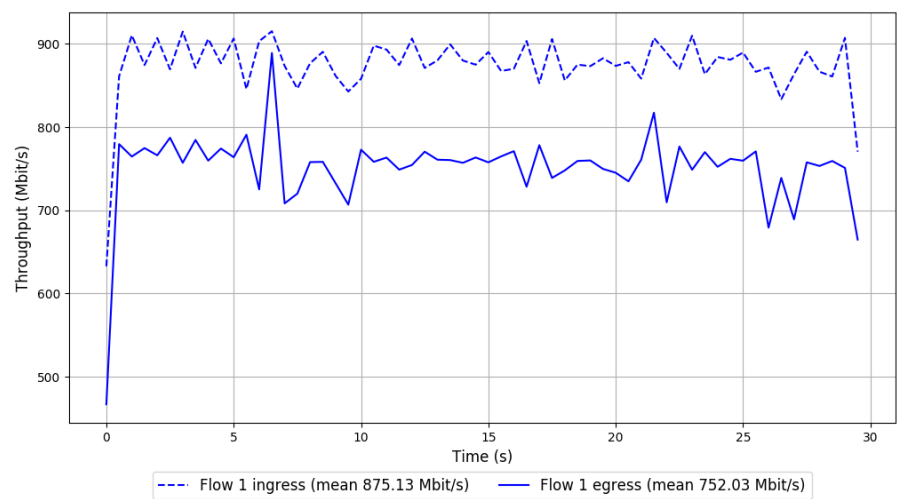


Run 6: Statistics of FillP

Start at: 2018-01-08 20:50:45  
End at: 2018-01-08 20:51:15  
Local clock offset: -11.983 ms  
Remote clock offset: -0.955 ms

# Below is generated by plot.py at 2018-01-09 03:56:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 752.03 Mbit/s  
95th percentile per-packet one-way delay: 73.019 ms  
Loss rate: 14.12%  
-- Flow 1:  
Average throughput: 752.03 Mbit/s  
95th percentile per-packet one-way delay: 73.019 ms  
Loss rate: 14.12%

Run 6: Report of FillP — Data Link

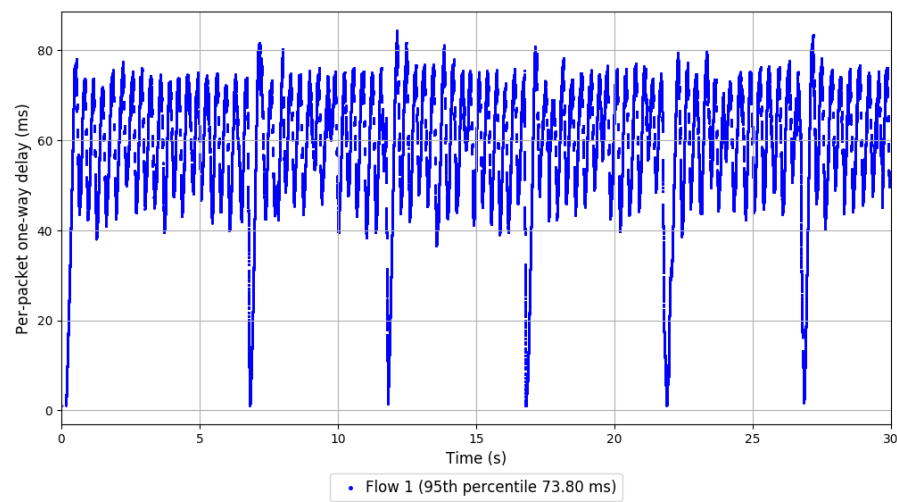
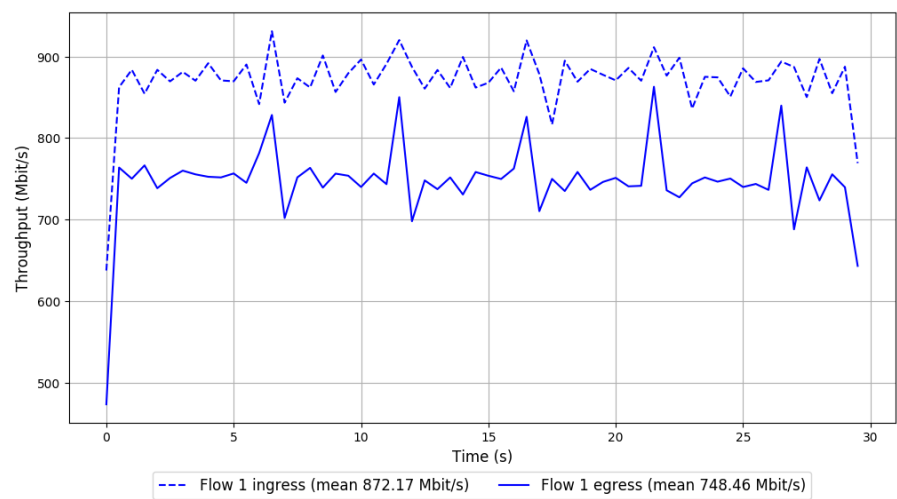


Run 7: Statistics of FillP

Start at: 2018-01-08 21:11:19  
End at: 2018-01-08 21:11:49  
Local clock offset: -14.232 ms  
Remote clock offset: -1.708 ms

# Below is generated by plot.py at 2018-01-09 03:57:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 748.46 Mbit/s  
95th percentile per-packet one-way delay: 73.796 ms  
Loss rate: 14.24%  
-- Flow 1:  
Average throughput: 748.46 Mbit/s  
95th percentile per-packet one-way delay: 73.796 ms  
Loss rate: 14.24%

Run 7: Report of FillP — Data Link

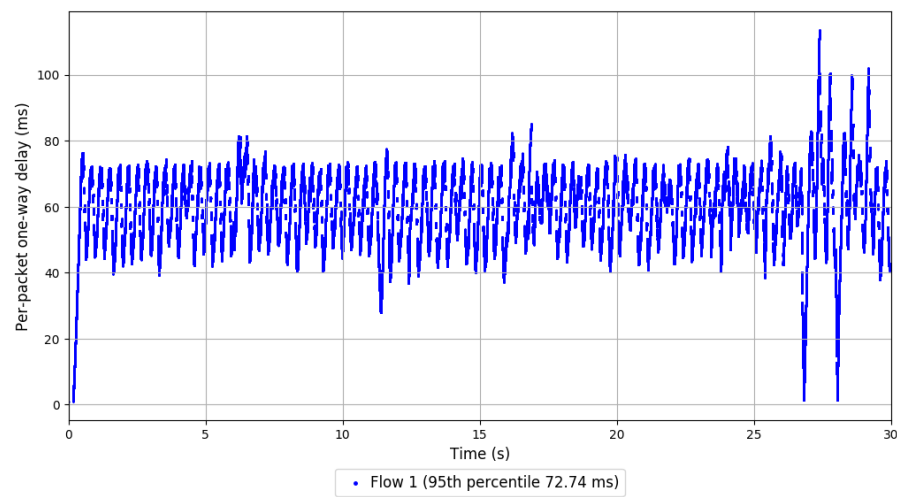
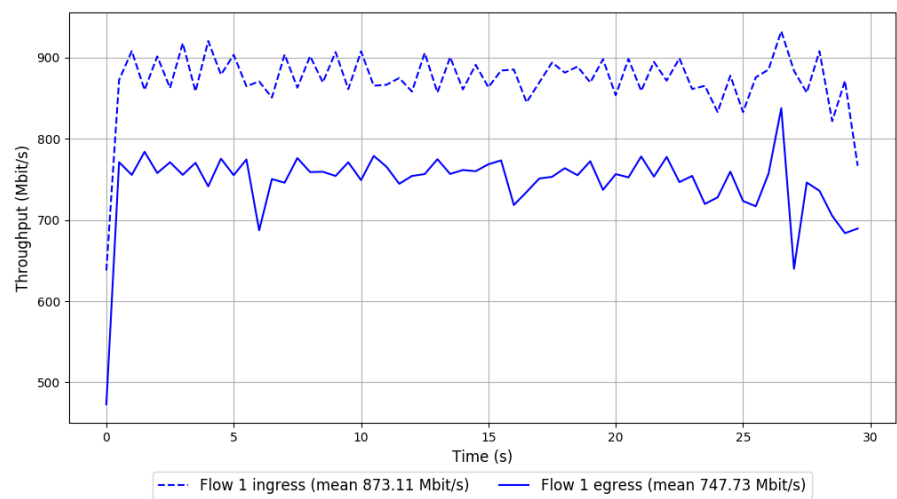


Run 8: Statistics of FillP

Start at: 2018-01-08 21:31:45  
End at: 2018-01-08 21:32:15  
Local clock offset: -17.093 ms  
Remote clock offset: -1.69 ms

# Below is generated by plot.py at 2018-01-09 03:57:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 747.73 Mbit/s  
95th percentile per-packet one-way delay: 72.742 ms  
Loss rate: 14.42%  
-- Flow 1:  
Average throughput: 747.73 Mbit/s  
95th percentile per-packet one-way delay: 72.742 ms  
Loss rate: 14.42%

Run 8: Report of FillP — Data Link

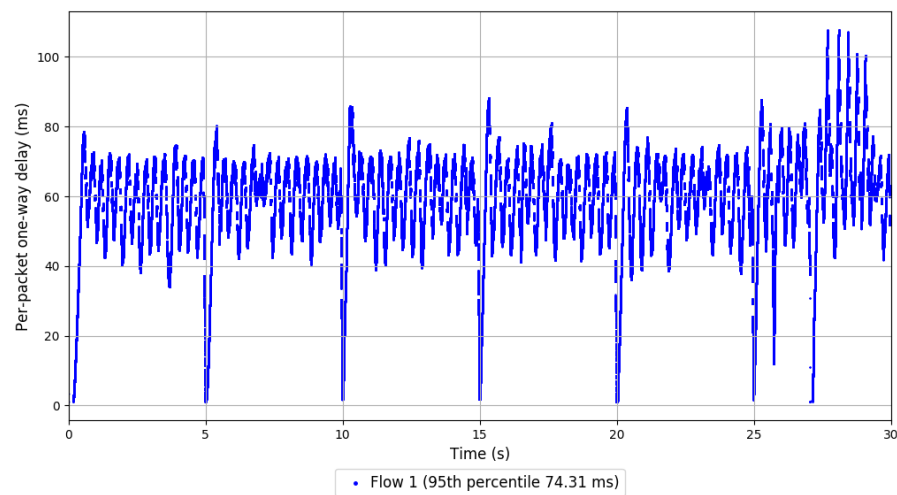
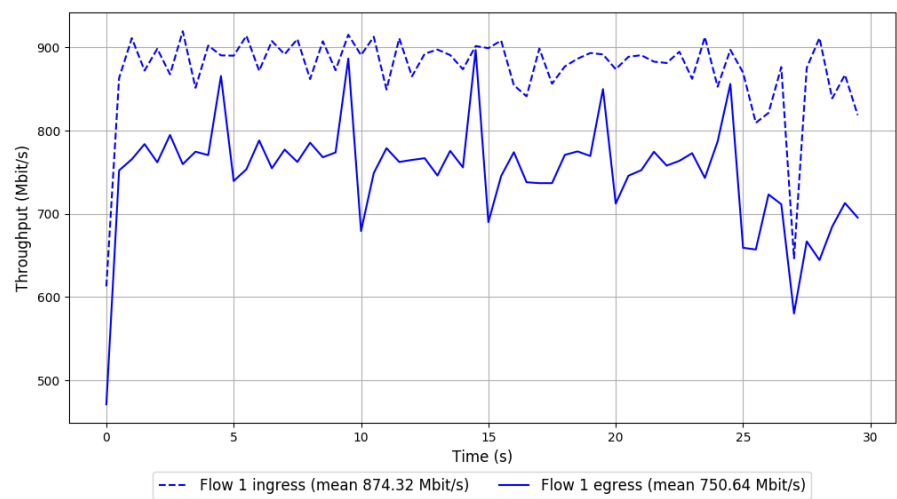


Run 9: Statistics of FillP

Start at: 2018-01-08 21:52:05  
End at: 2018-01-08 21:52:35  
Local clock offset: -17.421 ms  
Remote clock offset: -1.533 ms

# Below is generated by plot.py at 2018-01-09 04:06:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 750.64 Mbit/s  
95th percentile per-packet one-way delay: 74.309 ms  
Loss rate: 14.20%  
-- Flow 1:  
Average throughput: 750.64 Mbit/s  
95th percentile per-packet one-way delay: 74.309 ms  
Loss rate: 14.20%

Run 9: Report of FillP — Data Link

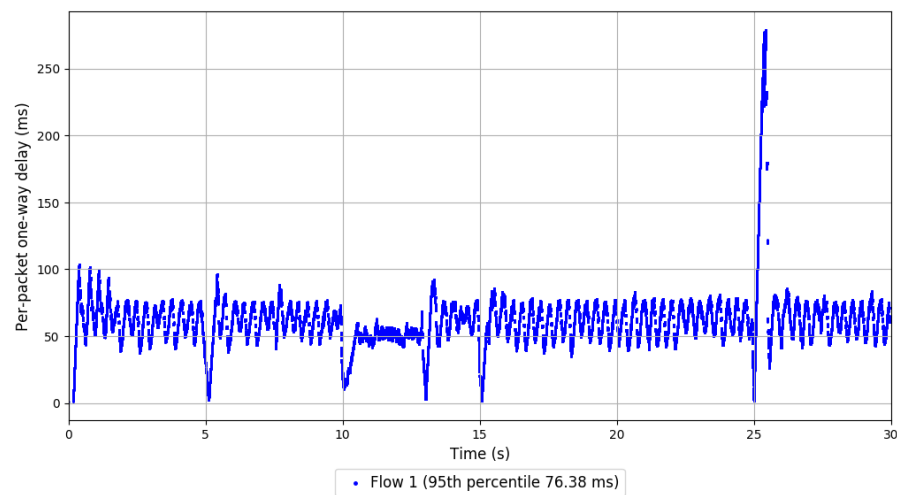
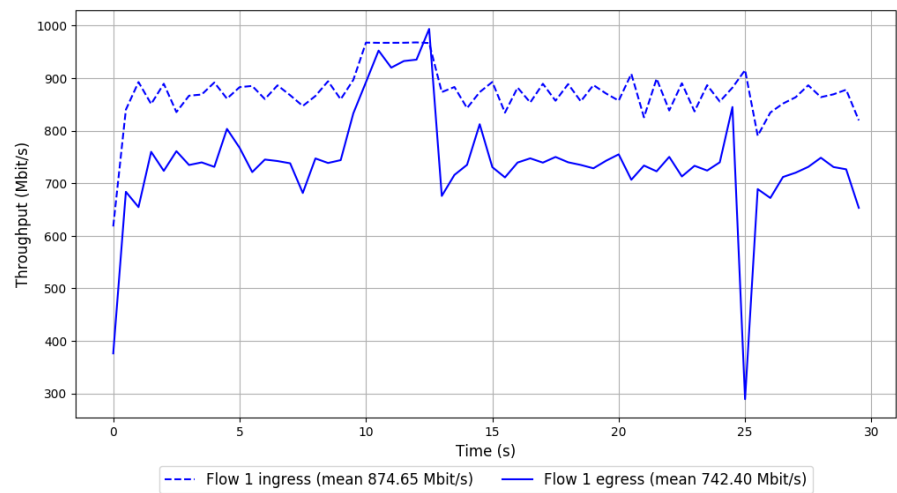


Run 10: Statistics of FillP

Start at: 2018-01-08 22:12:36  
End at: 2018-01-08 22:13:06  
Local clock offset: -16.765 ms  
Remote clock offset: -1.395 ms

# Below is generated by plot.py at 2018-01-09 04:06:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 742.40 Mbit/s  
95th percentile per-packet one-way delay: 76.381 ms  
Loss rate: 15.17%  
-- Flow 1:  
Average throughput: 742.40 Mbit/s  
95th percentile per-packet one-way delay: 76.381 ms  
Loss rate: 15.17%

Run 10: Report of FillP — Data Link

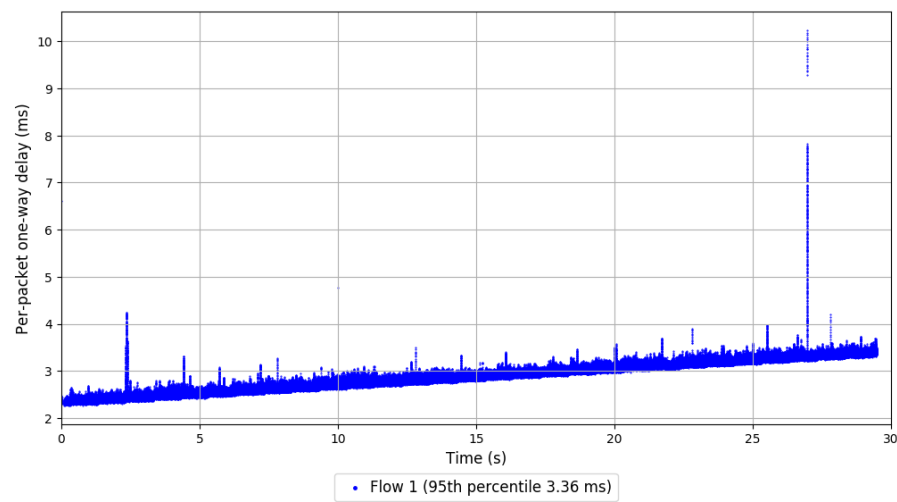
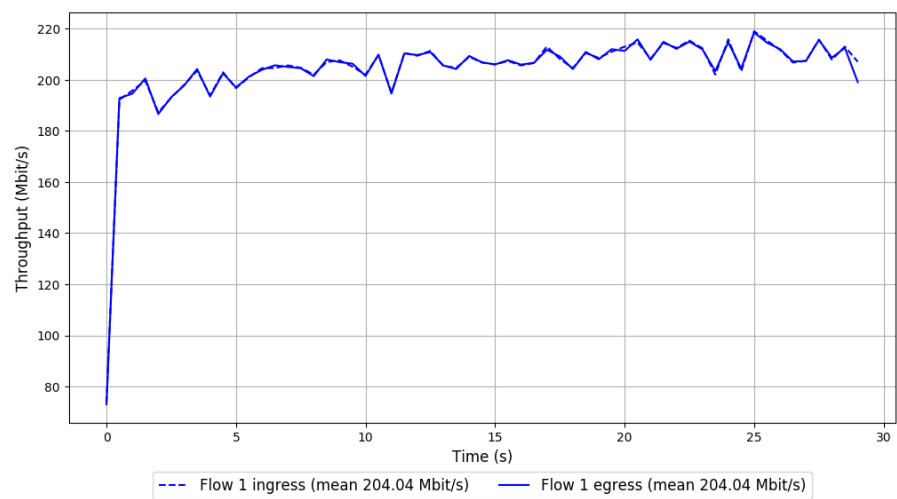


Run 1: Statistics of Indigo

Start at: 2018-01-08 18:51:41  
End at: 2018-01-08 18:52:11  
Local clock offset: -10.767 ms  
Remote clock offset: -1.659 ms

# Below is generated by plot.py at 2018-01-09 04:06:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 204.04 Mbit/s  
95th percentile per-packet one-way delay: 3.357 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 204.04 Mbit/s  
95th percentile per-packet one-way delay: 3.357 ms  
Loss rate: 0.08%

Run 1: Report of Indigo — Data Link

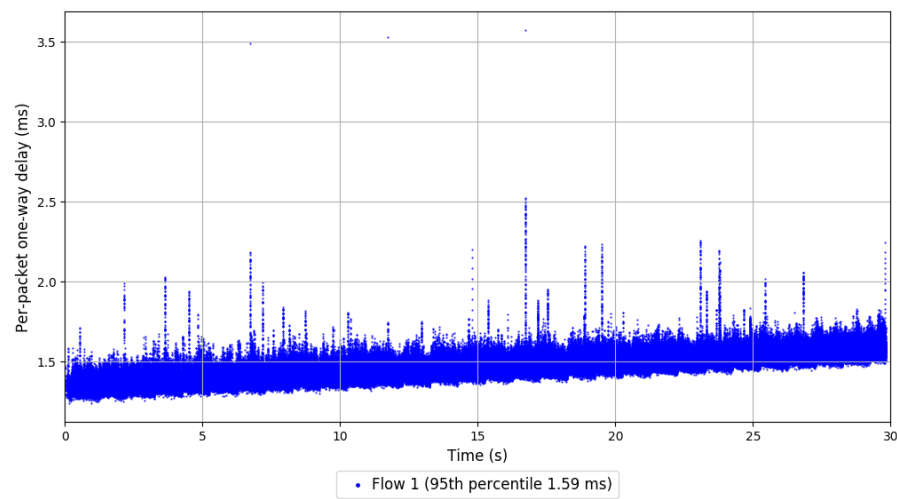
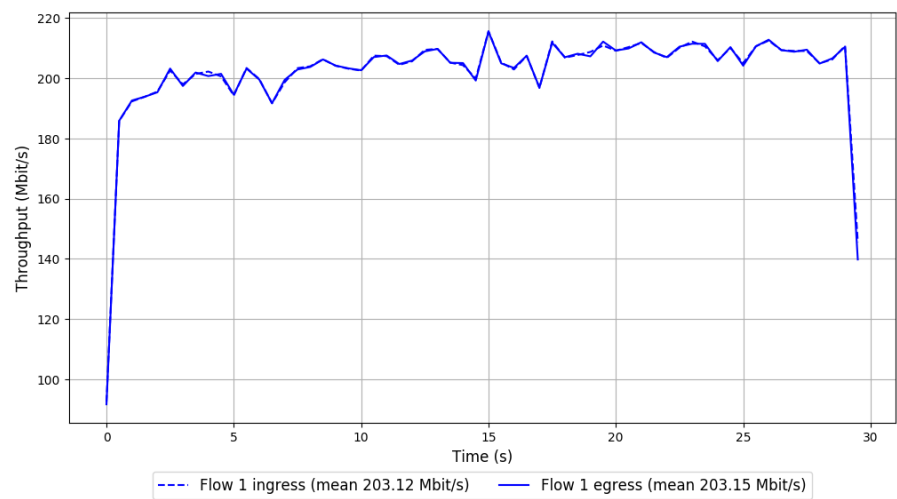


Run 2: Statistics of Indigo

Start at: 2018-01-08 19:12:06  
End at: 2018-01-08 19:12:36  
Local clock offset: -14.809 ms  
Remote clock offset: -1.122 ms

# Below is generated by plot.py at 2018-01-09 04:06:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 203.15 Mbit/s  
95th percentile per-packet one-way delay: 1.594 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 203.15 Mbit/s  
95th percentile per-packet one-way delay: 1.594 ms  
Loss rate: 0.05%

Run 2: Report of Indigo — Data Link

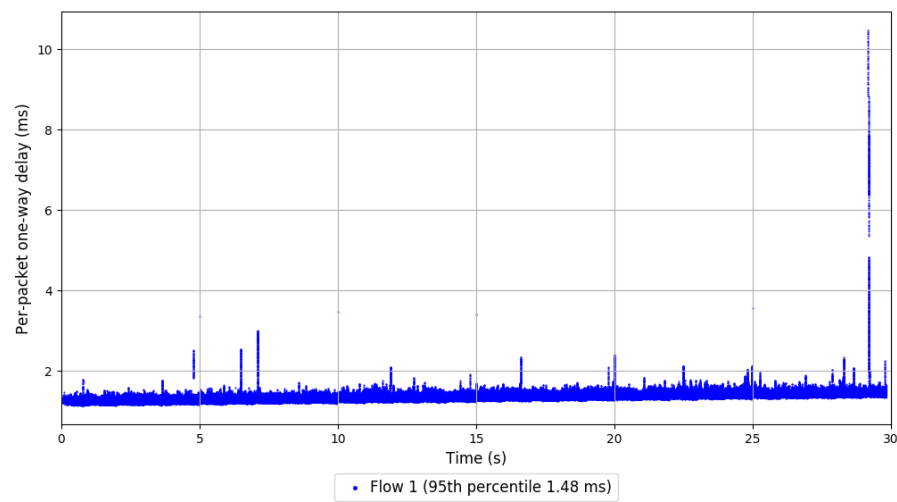
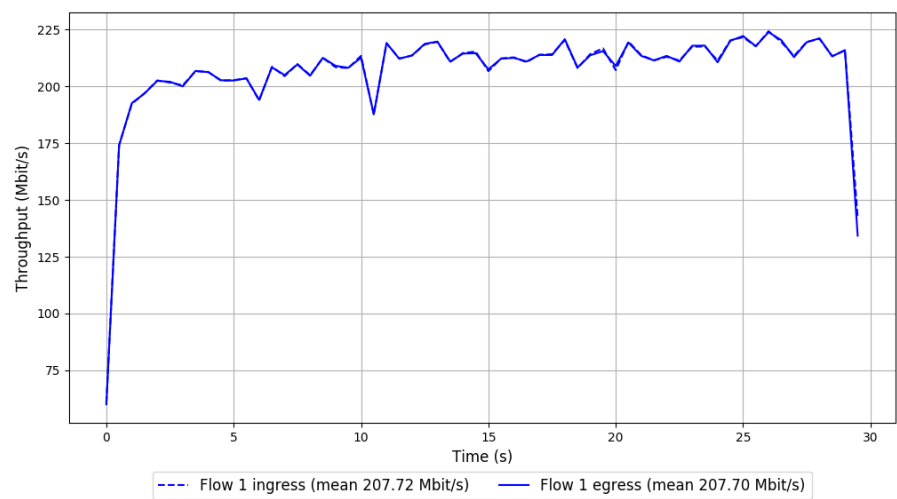


Run 3: Statistics of Indigo

Start at: 2018-01-08 19:32:29  
End at: 2018-01-08 19:32:59  
Local clock offset: -6.638 ms  
Remote clock offset: -0.436 ms

# Below is generated by plot.py at 2018-01-09 04:06:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 207.70 Mbit/s  
95th percentile per-packet one-way delay: 1.479 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 207.70 Mbit/s  
95th percentile per-packet one-way delay: 1.479 ms  
Loss rate: 0.07%

Run 3: Report of Indigo — Data Link

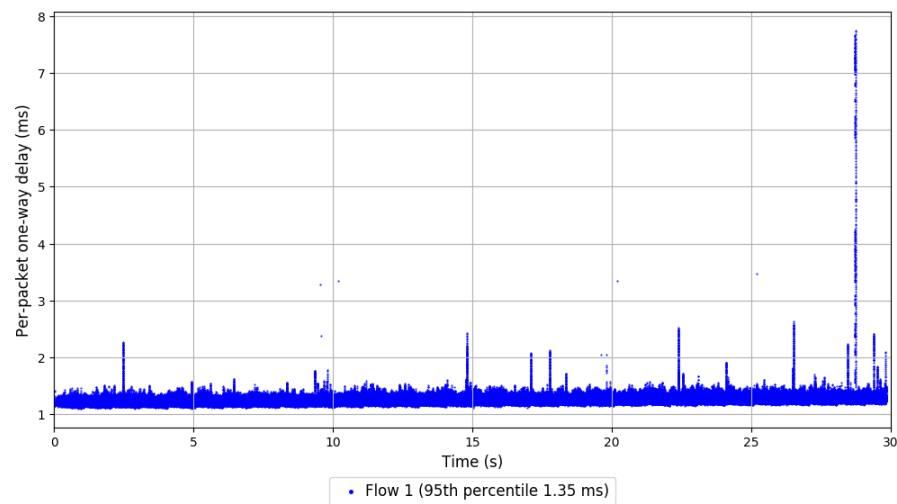
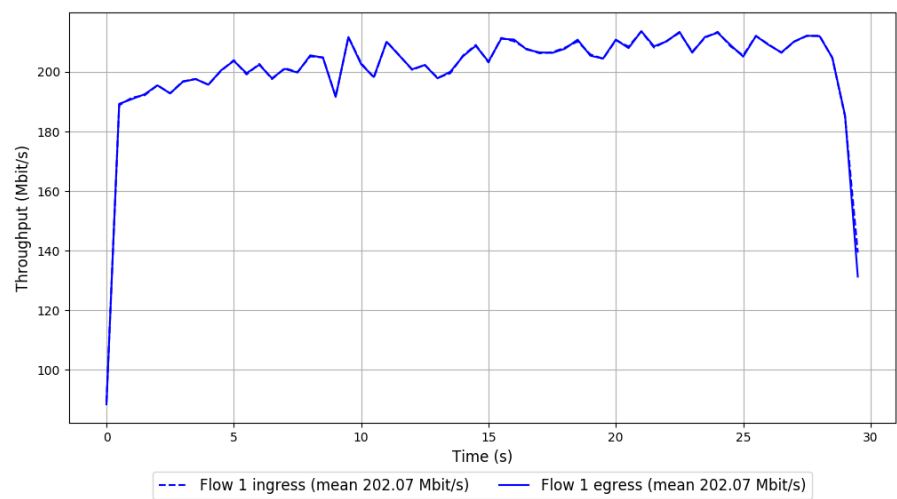


Run 4: Statistics of Indigo

Start at: 2018-01-08 19:52:46  
End at: 2018-01-08 19:53:16  
Local clock offset: -7.019 ms  
Remote clock offset: -0.554 ms

# Below is generated by plot.py at 2018-01-09 04:06:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 202.07 Mbit/s  
95th percentile per-packet one-way delay: 1.346 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 202.07 Mbit/s  
95th percentile per-packet one-way delay: 1.346 ms  
Loss rate: 0.07%

Run 4: Report of Indigo — Data Link

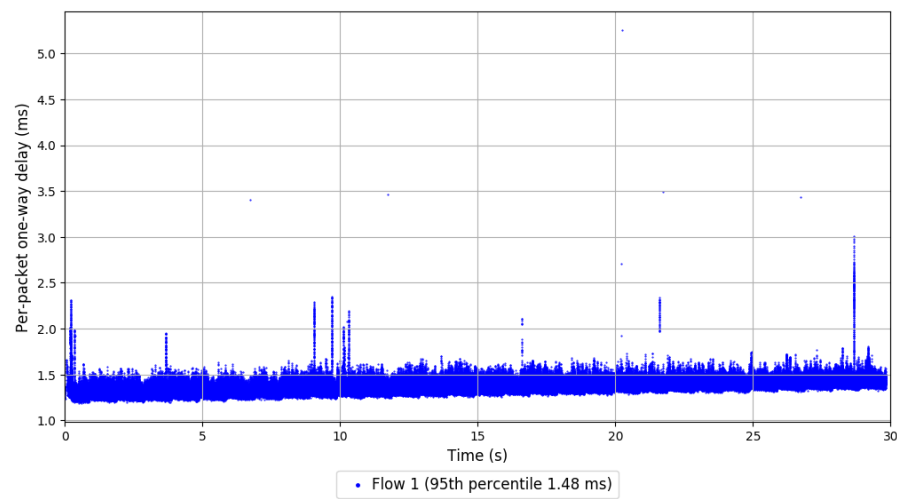
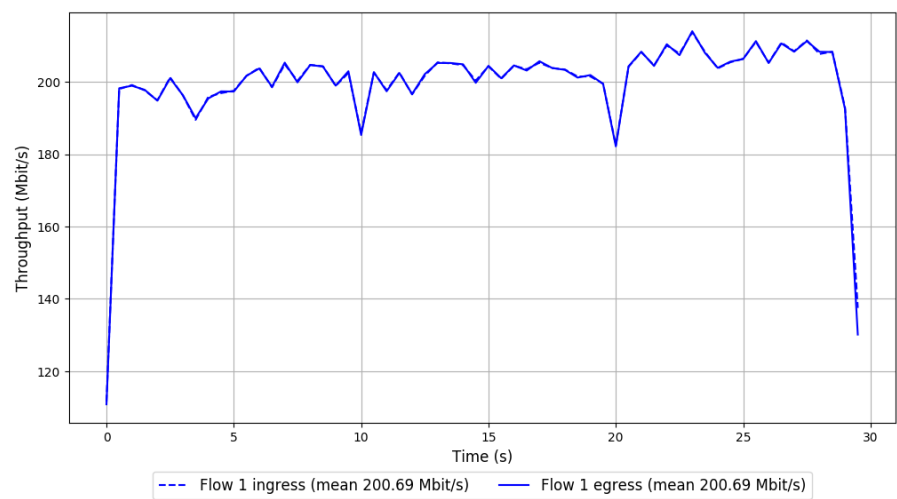


Run 5: Statistics of Indigo

Start at: 2018-01-08 20:13:06  
End at: 2018-01-08 20:13:36  
Local clock offset: -10.413 ms  
Remote clock offset: -0.165 ms

# Below is generated by plot.py at 2018-01-09 04:06:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 200.69 Mbit/s  
95th percentile per-packet one-way delay: 1.475 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 200.69 Mbit/s  
95th percentile per-packet one-way delay: 1.475 ms  
Loss rate: 0.07%

Run 5: Report of Indigo — Data Link

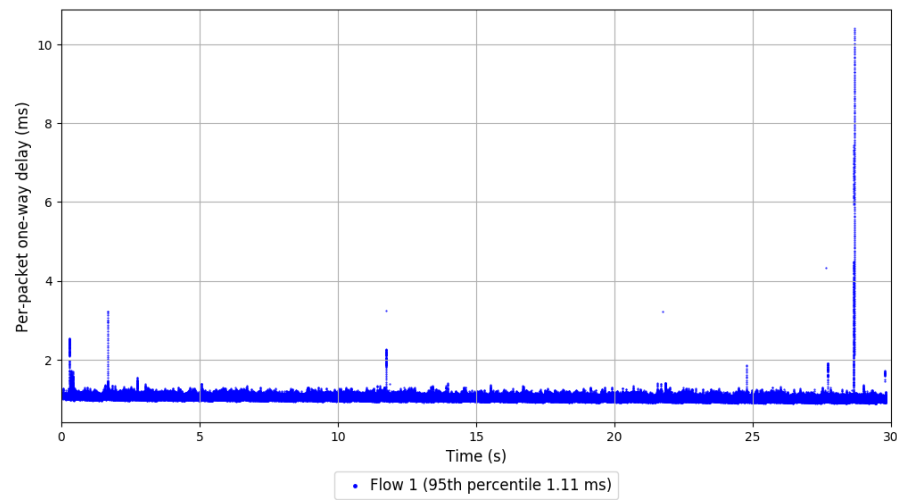
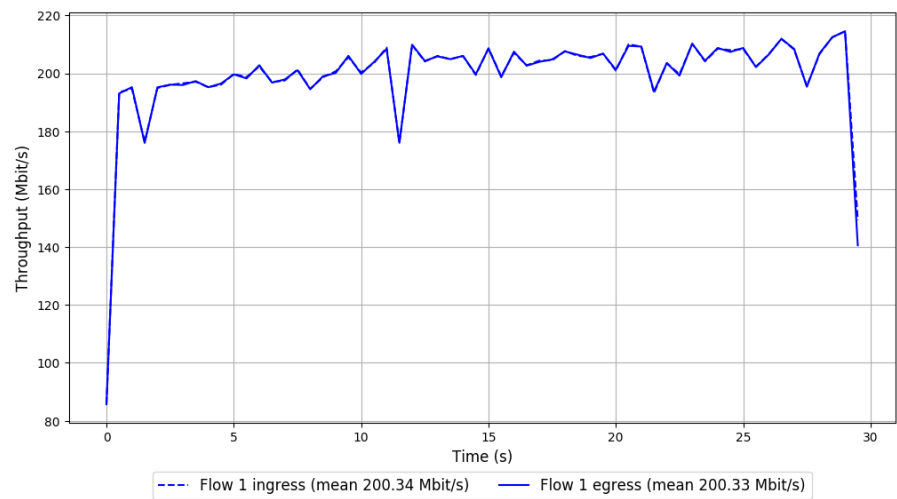


Run 6: Statistics of Indigo

Start at: 2018-01-08 20:33:04  
End at: 2018-01-08 20:33:34  
Local clock offset: -10.512 ms  
Remote clock offset: -0.702 ms

# Below is generated by plot.py at 2018-01-09 04:06:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 200.33 Mbit/s  
95th percentile per-packet one-way delay: 1.111 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 200.33 Mbit/s  
95th percentile per-packet one-way delay: 1.111 ms  
Loss rate: 0.07%

Run 6: Report of Indigo — Data Link

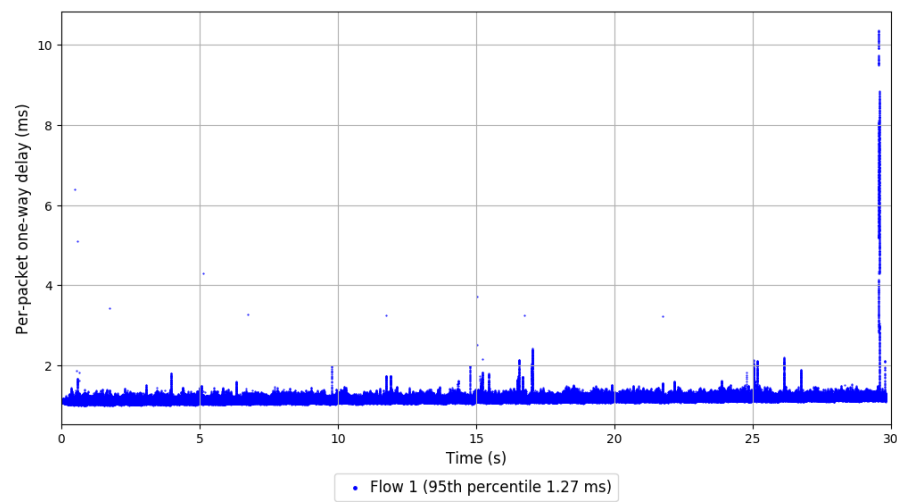
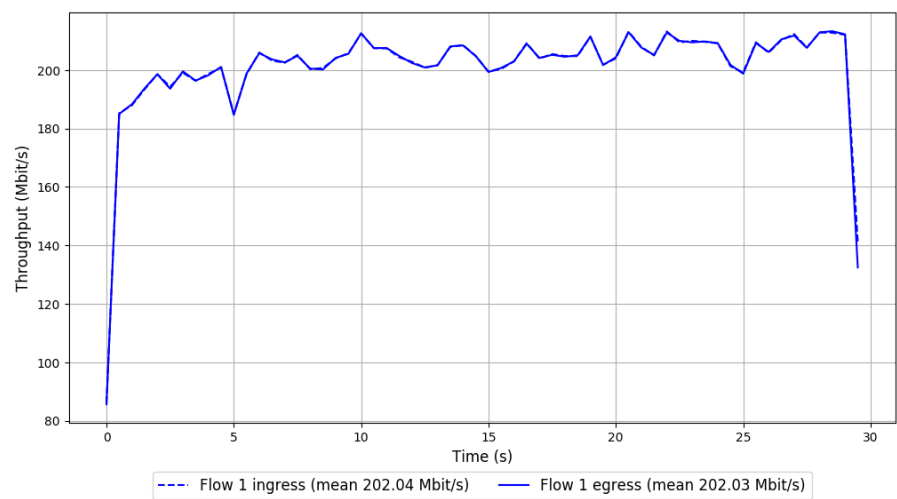


Run 7: Statistics of Indigo

Start at: 2018-01-08 20:53:31  
End at: 2018-01-08 20:54:01  
Local clock offset: -12.687 ms  
Remote clock offset: -1.111 ms

# Below is generated by plot.py at 2018-01-09 04:06:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 202.03 Mbit/s  
95th percentile per-packet one-way delay: 1.266 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 202.03 Mbit/s  
95th percentile per-packet one-way delay: 1.266 ms  
Loss rate: 0.07%

Run 7: Report of Indigo — Data Link

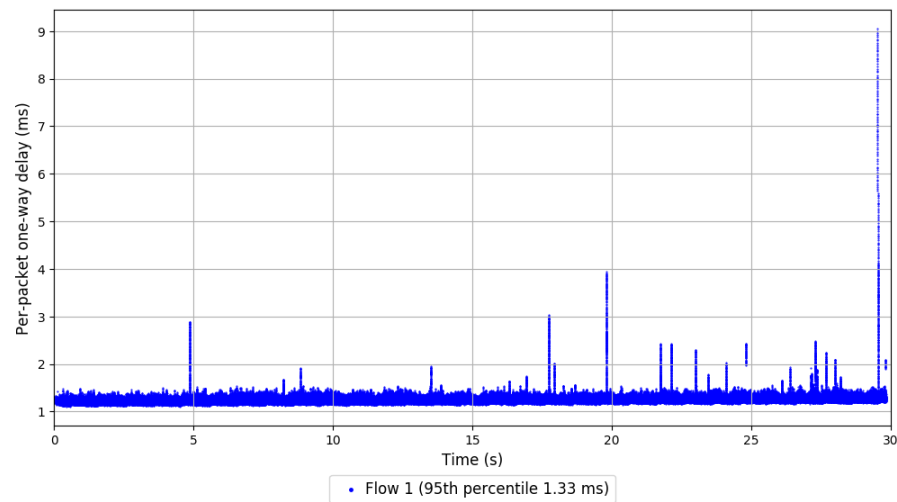
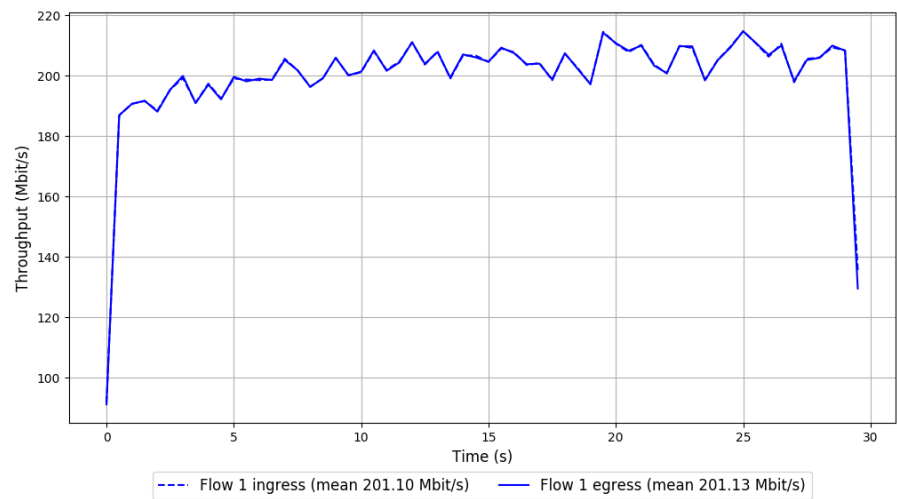


Run 8: Statistics of Indigo

Start at: 2018-01-08 21:14:04  
End at: 2018-01-08 21:14:34  
Local clock offset: -14.603 ms  
Remote clock offset: -1.862 ms

# Below is generated by plot.py at 2018-01-09 04:06:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 201.13 Mbit/s  
95th percentile per-packet one-way delay: 1.332 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 201.13 Mbit/s  
95th percentile per-packet one-way delay: 1.332 ms  
Loss rate: 0.05%

Run 8: Report of Indigo — Data Link

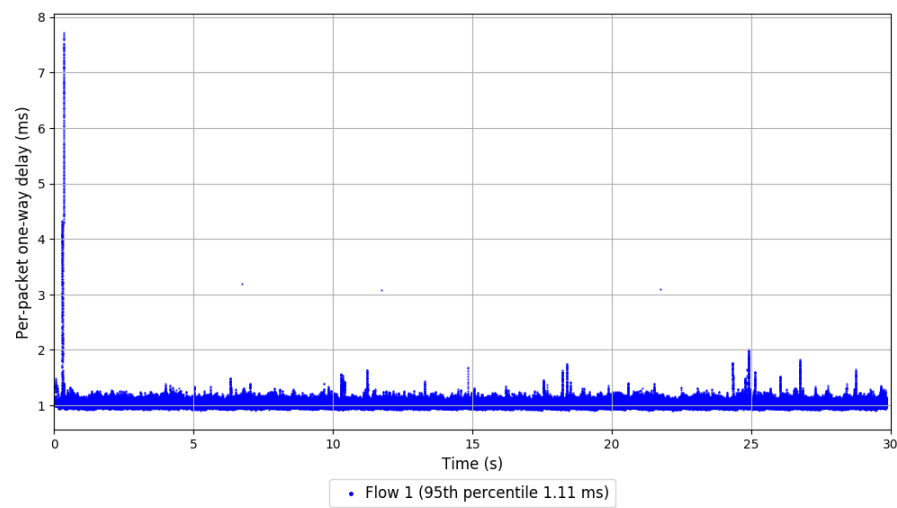
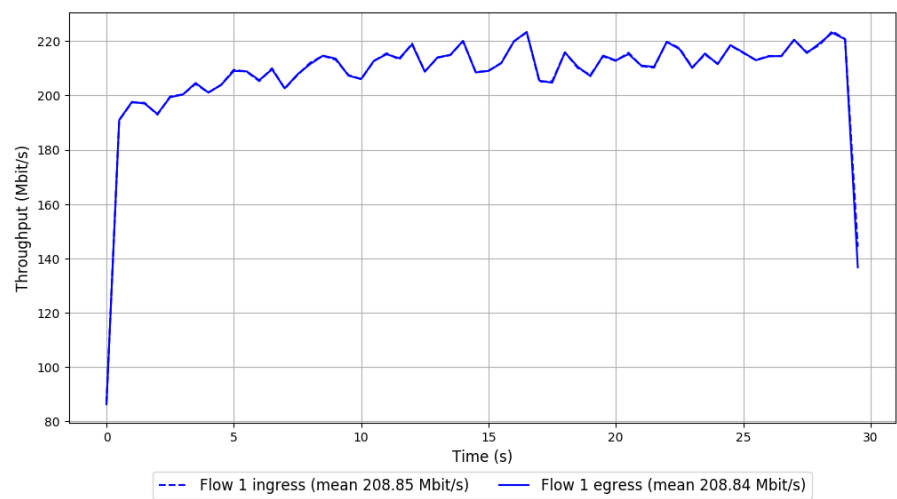


Run 9: Statistics of Indigo

Start at: 2018-01-08 21:34:30  
End at: 2018-01-08 21:35:00  
Local clock offset: -16.815 ms  
Remote clock offset: -1.688 ms

# Below is generated by plot.py at 2018-01-09 04:06:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 208.84 Mbit/s  
95th percentile per-packet one-way delay: 1.109 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 208.84 Mbit/s  
95th percentile per-packet one-way delay: 1.109 ms  
Loss rate: 0.07%

Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2018-01-08 21:54:51  
End at: 2018-01-08 21:55:21  
Local clock offset: -17.235 ms  
Remote clock offset: -1.49 ms

# Below is generated by plot.py at 2018-01-09 04:06:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 207.48 Mbit/s  
95th percentile per-packet one-way delay: 0.999 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 207.48 Mbit/s  
95th percentile per-packet one-way delay: 0.999 ms  
Loss rate: 0.07%

Run 10: Report of Indigo — Data Link

