

## Pantheon Report

Generated at 2017-12-01 07:13:02 (UTC).

Data path: AWS Korea Ethernet (*local*) → China Ethernet (*remote*).

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).

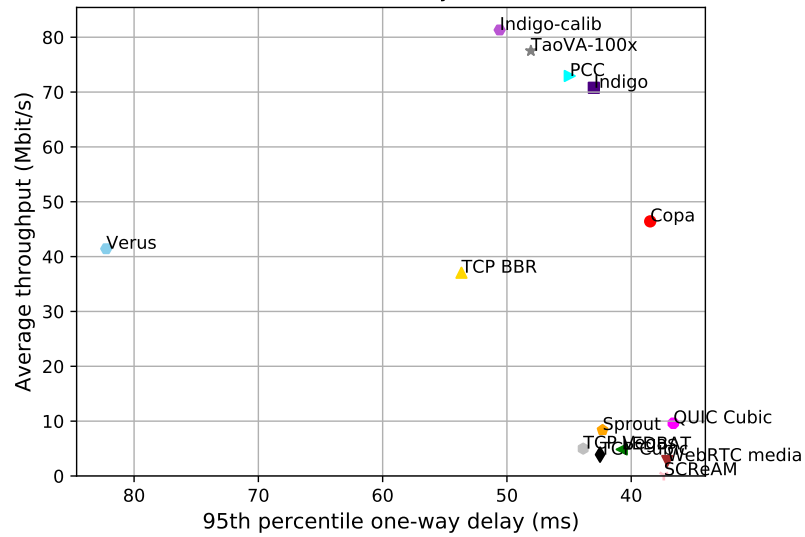
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

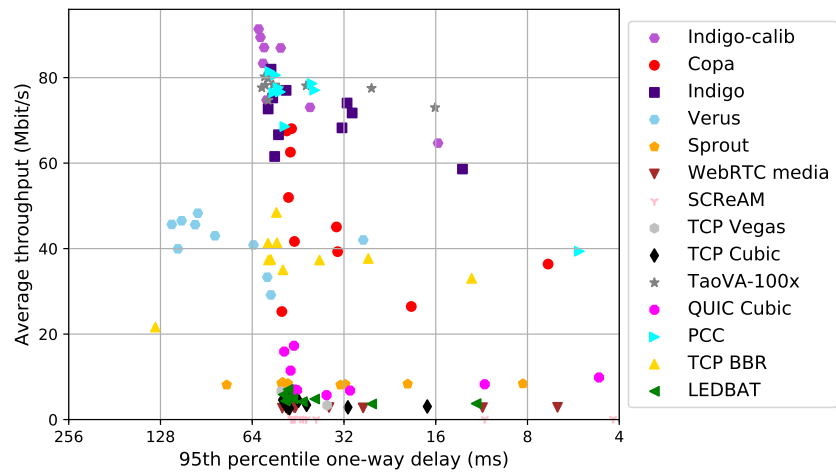
Git summary:

```
branch: indigos @ e3a57ad5ac5cfcaca0e3f983c8dd4cc3509e0262
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ b5b7c38e8391001927dc41c6cfa2627d03dde737
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/indigo-cellular @ aee99e8eb842cb053f8c9a80e28cd256a930bbc2
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/indigo-no-cwnd @ 3e58442c04028a11d7b02456e137604633ba2d6c
third_party/indigo-no-delivery-rate @ 57caa40858b964906edff4876d5a7e5bfff666c5
third_party/indigo-no-queuing-delay @ 03455460fd1a8ffbdad86fab936fdca204b80db
third_party/indigo-no-send-rate @ b39dfa6b2c5f19cb7cd89626cb4f5bb81f9fecda
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from AWS Korea Ethernet to China Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from AWS Korea Ethernet to China 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     | 37.06                            | 53.66                               | 32.76                        |
| TCP Cubic    | 9      | 3.89                             | 42.51                               | 0.91                         |
| LEDBAT       | 9      | 4.84                             | 40.77                               | 0.53                         |
| PCC          | 9      | 72.94                            | 44.94                               | 1.17                         |
| QUIC Cubic   | 10     | 9.61                             | 36.61                               | 0.38                         |
| SCReAM       | 10     | 0.15                             | 37.38                               | 0.57                         |
| WebRTC media | 10     | 2.72                             | 37.10                               | 0.39                         |
| Sprout       | 10     | 8.39                             | 42.31                               | 2.27                         |
| TaoVA-100x   | 10     | 77.51                            | 48.07                               | 3.73                         |
| TCP Vegas    | 2      | 4.99                             | 43.86                               | 1.04                         |
| Verus        | 10     | 41.44                            | 82.24                               | 78.85                        |
| Copa         | 10     | 46.42                            | 38.47                               | 0.52                         |
| Indigo       | 10     | 70.78                            | 43.01                               | 4.33                         |
| Indigo-calib | 8      | 81.32                            | 50.59                               | 16.47                        |

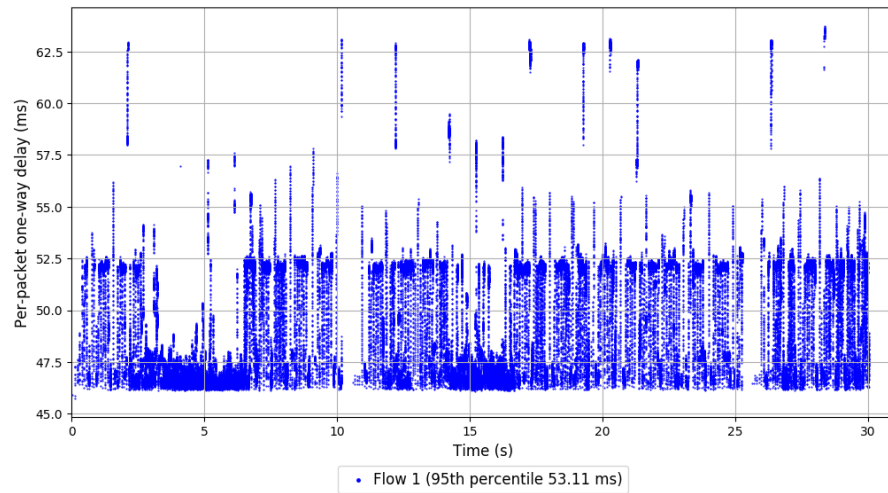
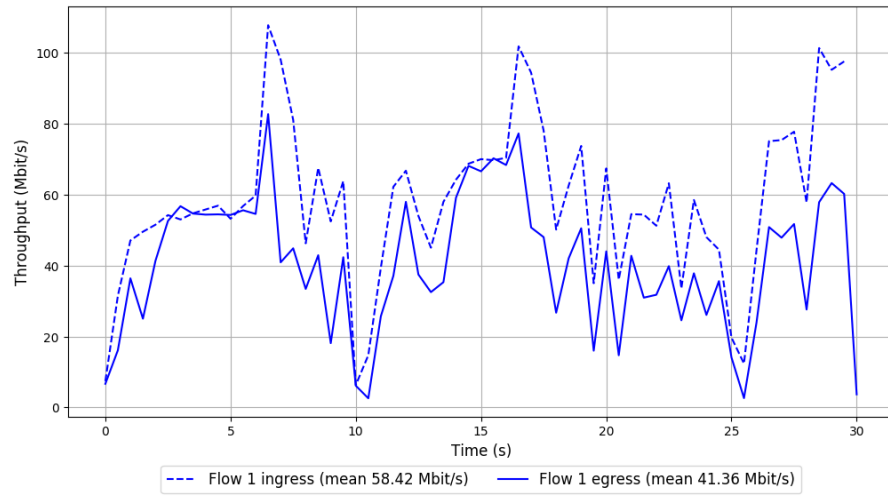
Run 1: Statistics of TCP BBR

Start at: 2017-12-01 04:07:16  
End at: 2017-12-01 04:07:46  
Local clock offset: -0.303 ms  
Remote clock offset: -6.194 ms

# Below is generated by plot.py at 2017-12-01 07:01:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 41.36 Mbit/s  
95th percentile per-packet one-way delay: 53.111 ms  
Loss rate: 29.21%  
-- Flow 1:  
Average throughput: 41.36 Mbit/s  
95th percentile per-packet one-way delay: 53.111 ms  
Loss rate: 29.21%



# Run 1: Report of TCP BBR — Data Link

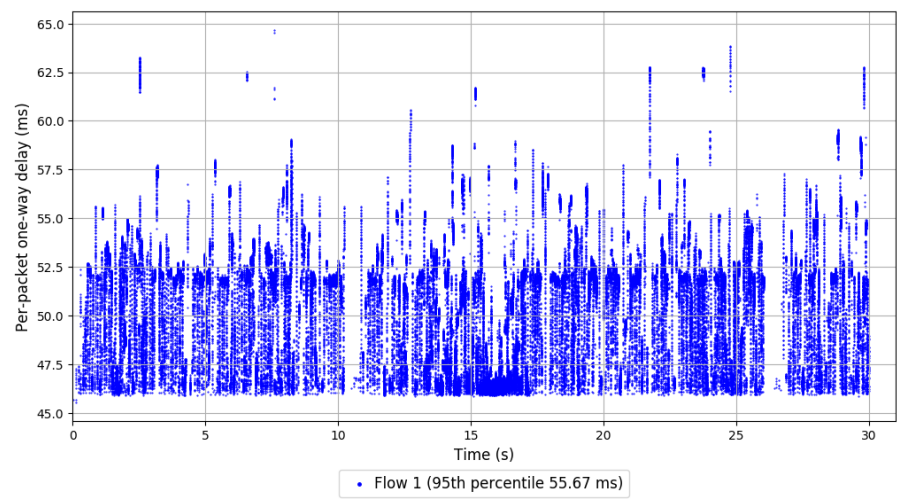
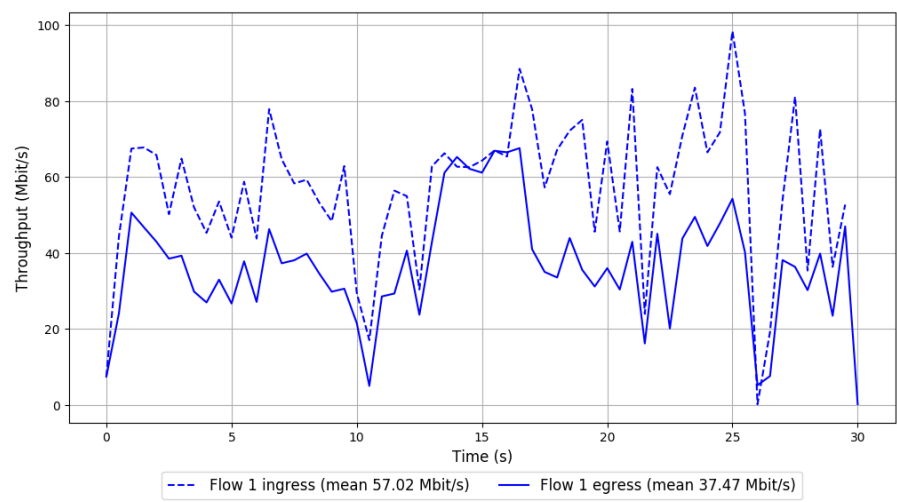


Run 2: Statistics of TCP BBR

Start at: 2017-12-01 04:23:59  
End at: 2017-12-01 04:24:29  
Local clock offset: -0.263 ms  
Remote clock offset: -6.582 ms

# Below is generated by plot.py at 2017-12-01 07:01:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 37.47 Mbit/s  
95th percentile per-packet one-way delay: 55.669 ms  
Loss rate: 34.29%  
-- Flow 1:  
Average throughput: 37.47 Mbit/s  
95th percentile per-packet one-way delay: 55.669 ms  
Loss rate: 34.29%

Run 2: Report of TCP BBR — Data Link

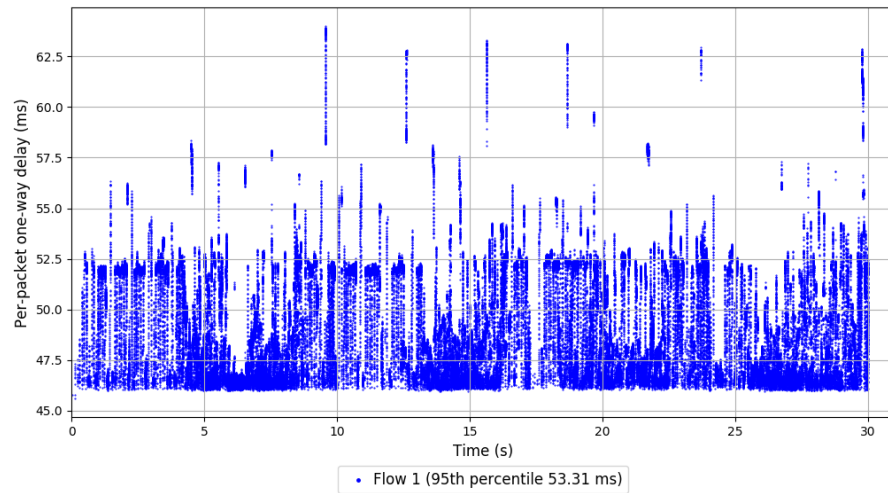
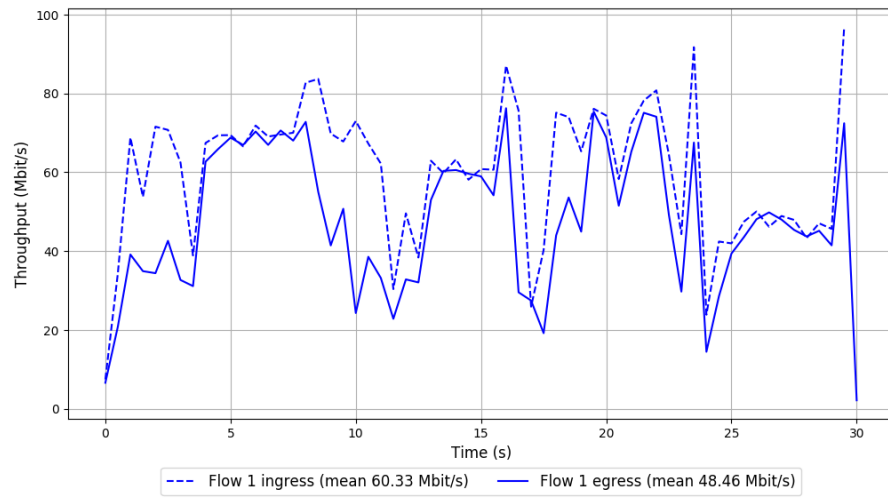


Run 3: Statistics of TCP BBR

Start at: 2017-12-01 04:40:40  
End at: 2017-12-01 04:41:10  
Local clock offset: -0.283 ms  
Remote clock offset: -6.859 ms

# Below is generated by plot.py at 2017-12-01 07:01:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 48.46 Mbit/s  
95th percentile per-packet one-way delay: 53.315 ms  
Loss rate: 19.66%  
-- Flow 1:  
Average throughput: 48.46 Mbit/s  
95th percentile per-packet one-way delay: 53.315 ms  
Loss rate: 19.66%

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

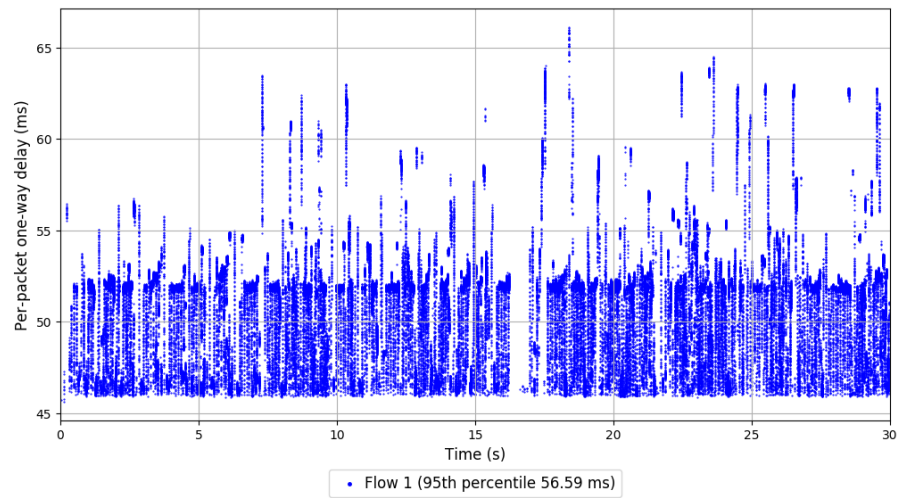
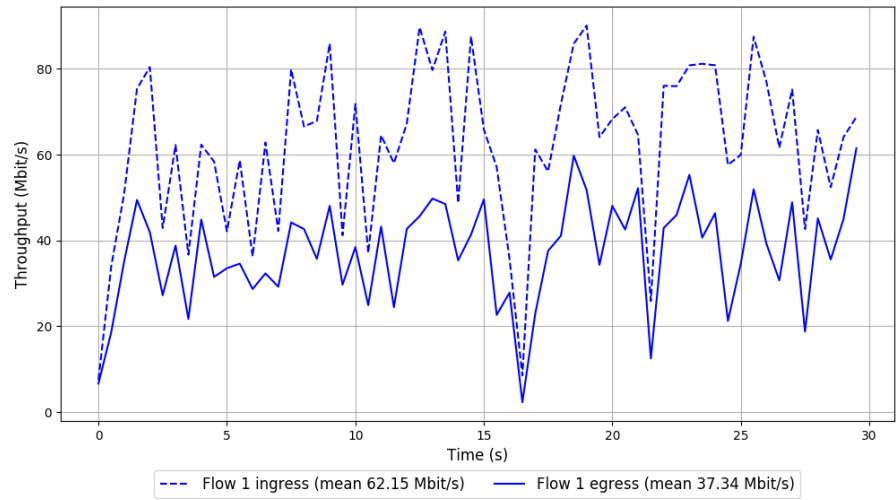


Run 4: Statistics of TCP BBR

Start at: 2017-12-01 04:57:16  
End at: 2017-12-01 04:57:46  
Local clock offset: -0.406 ms  
Remote clock offset: -7.034 ms

# Below is generated by plot.py at 2017-12-01 07:01:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 37.34 Mbit/s  
95th percentile per-packet one-way delay: 56.592 ms  
Loss rate: 39.91%  
-- Flow 1:  
Average throughput: 37.34 Mbit/s  
95th percentile per-packet one-way delay: 56.592 ms  
Loss rate: 39.91%

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



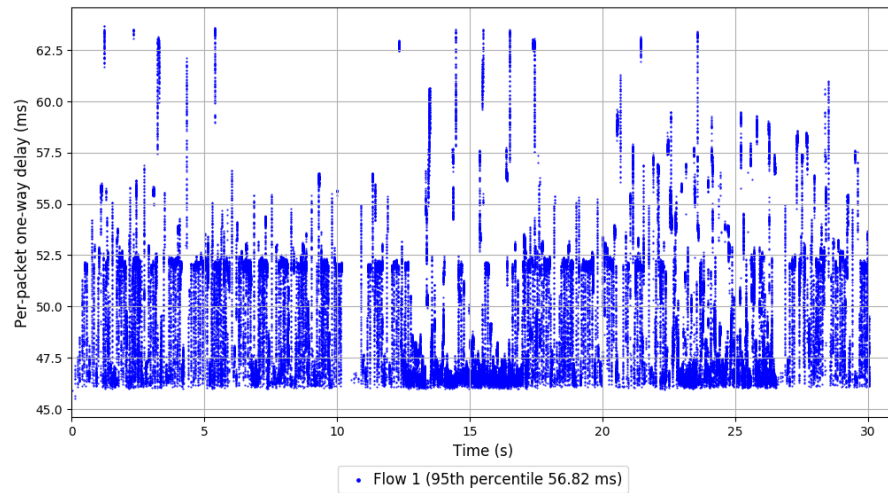
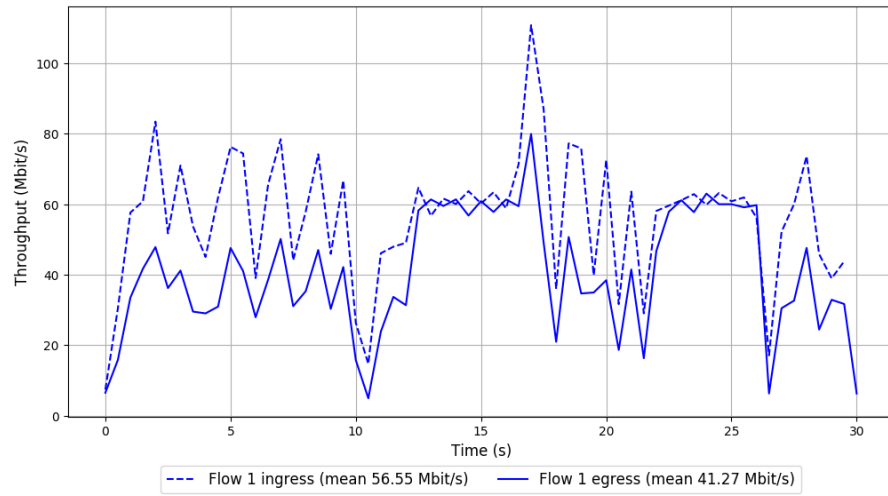
Run 5: Statistics of TCP BBR

Start at: 2017-12-01 05:14:07  
End at: 2017-12-01 05:14:37  
Local clock offset: -0.181 ms  
Remote clock offset: -7.145 ms

# Below is generated by plot.py at 2017-12-01 07:01:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 41.27 Mbit/s  
95th percentile per-packet one-way delay: 56.818 ms  
Loss rate: 27.02%  
-- Flow 1:  
Average throughput: 41.27 Mbit/s  
95th percentile per-packet one-way delay: 56.818 ms  
Loss rate: 27.02%



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

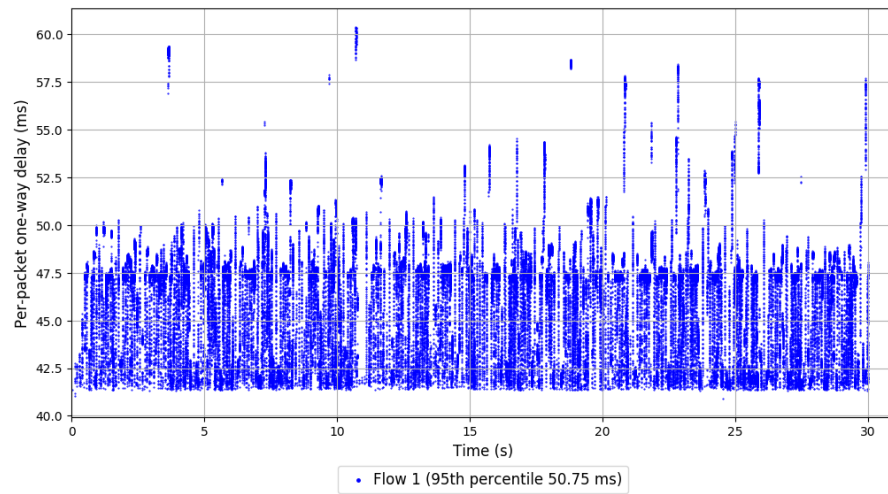
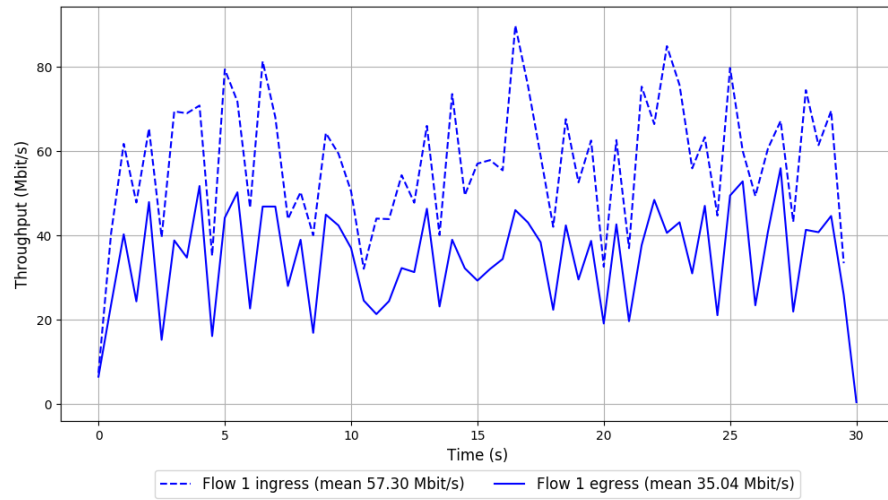


Run 6: Statistics of TCP BBR

Start at: 2017-12-01 05:30:49  
End at: 2017-12-01 05:31:19  
Local clock offset: 0.286 ms  
Remote clock offset: -11.223 ms

# Below is generated by plot.py at 2017-12-01 07:01:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 35.04 Mbit/s  
95th percentile per-packet one-way delay: 50.752 ms  
Loss rate: 38.84%  
-- Flow 1:  
Average throughput: 35.04 Mbit/s  
95th percentile per-packet one-way delay: 50.752 ms  
Loss rate: 38.84%

# Run 6: Report of TCP BBR — Data Link

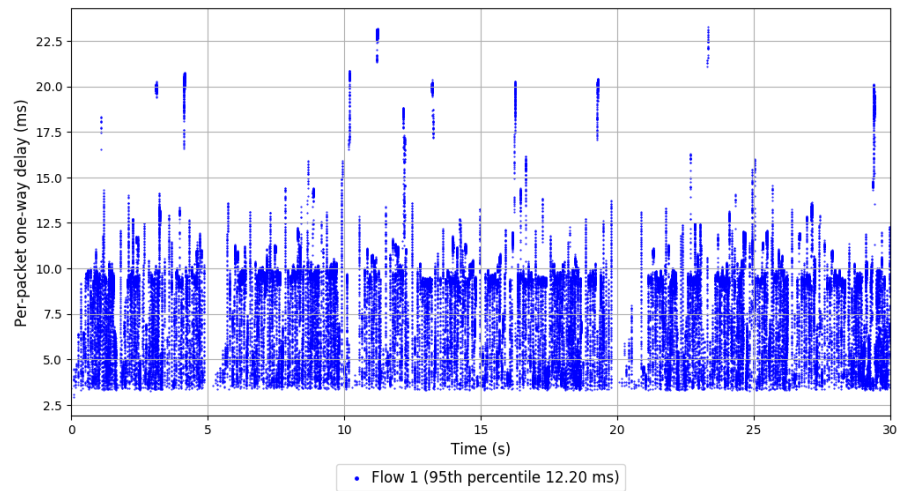
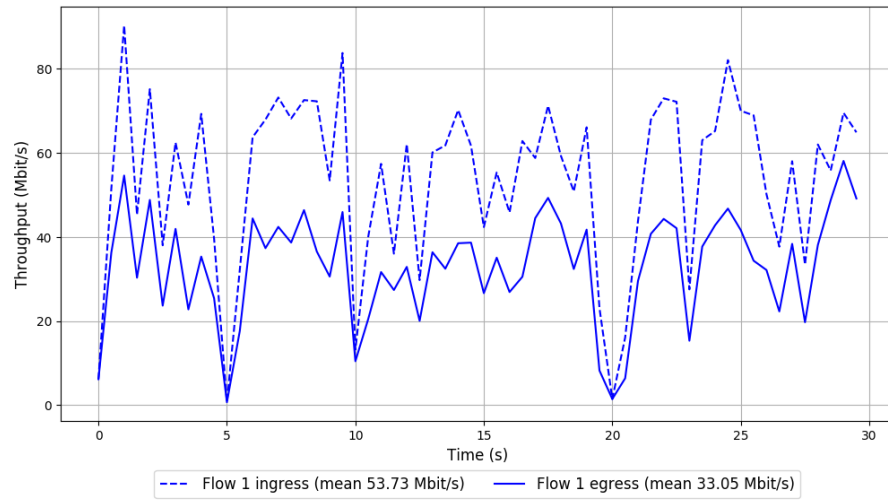


Run 7: Statistics of TCP BBR

Start at: 2017-12-01 05:47:51  
End at: 2017-12-01 05:48:21  
Local clock offset: 0.781 ms  
Remote clock offset: -48.266 ms

# Below is generated by plot.py at 2017-12-01 07:01:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 33.05 Mbit/s  
95th percentile per-packet one-way delay: 12.201 ms  
Loss rate: 38.49%  
-- Flow 1:  
Average throughput: 33.05 Mbit/s  
95th percentile per-packet one-way delay: 12.201 ms  
Loss rate: 38.49%

# Run 7: Report of TCP BBR — Data Link

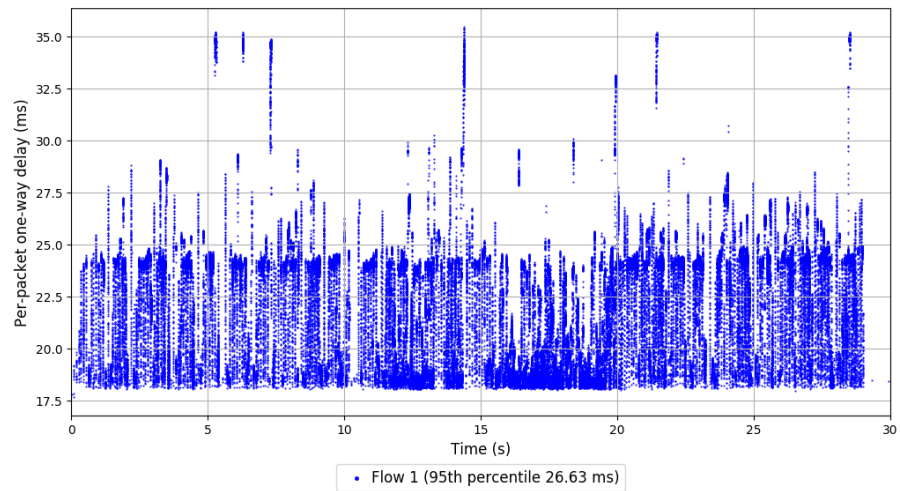
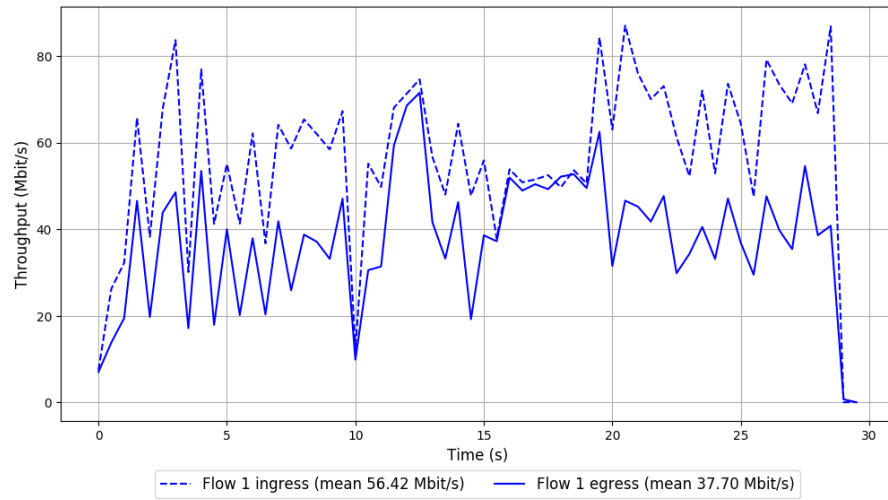


Run 8: Statistics of TCP BBR

Start at: 2017-12-01 06:04:32  
End at: 2017-12-01 06:05:02  
Local clock offset: 1.282 ms  
Remote clock offset: -32.501 ms

# Below is generated by plot.py at 2017-12-01 07:01:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 37.70 Mbit/s  
95th percentile per-packet one-way delay: 26.629 ms  
Loss rate: 33.19%  
-- Flow 1:  
Average throughput: 37.70 Mbit/s  
95th percentile per-packet one-way delay: 26.629 ms  
Loss rate: 33.19%

# Run 8: Report of TCP BBR — Data Link



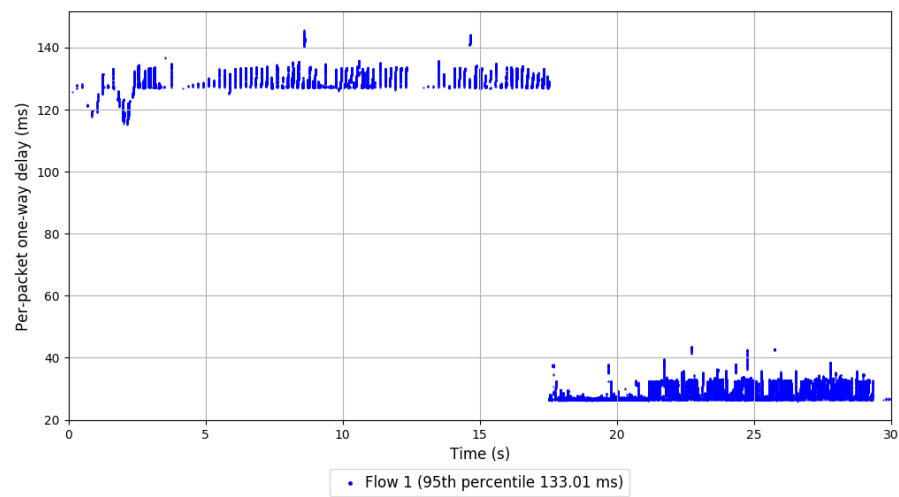
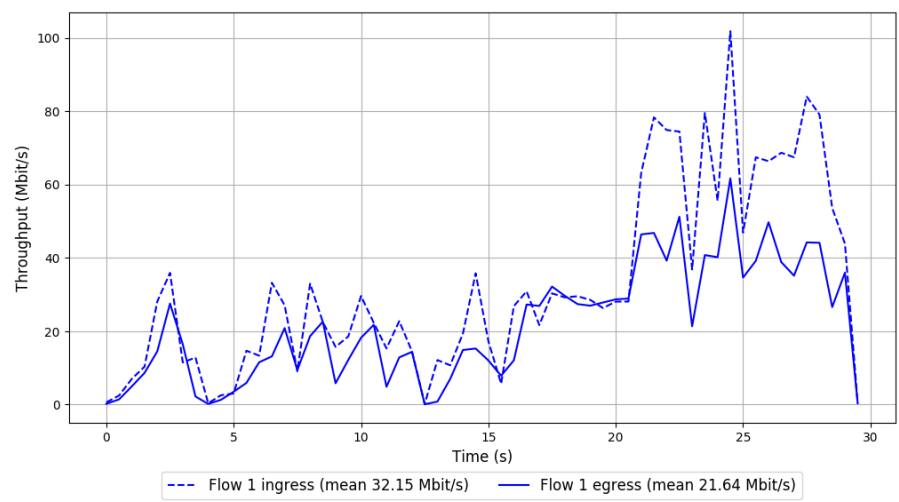
Run 9: Statistics of TCP BBR

Start at: 2017-12-01 06:23:23  
End at: 2017-12-01 06:23:53  
Local clock offset: 1.615 ms  
Remote clock offset: -23.608 ms

# Below is generated by plot.py at 2017-12-01 07:01:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 21.64 Mbit/s  
95th percentile per-packet one-way delay: 133.006 ms  
Loss rate: 32.91%  
-- Flow 1:  
Average throughput: 21.64 Mbit/s  
95th percentile per-packet one-way delay: 133.006 ms  
Loss rate: 32.91%



Run 9: Report of TCP BBR — Data Link

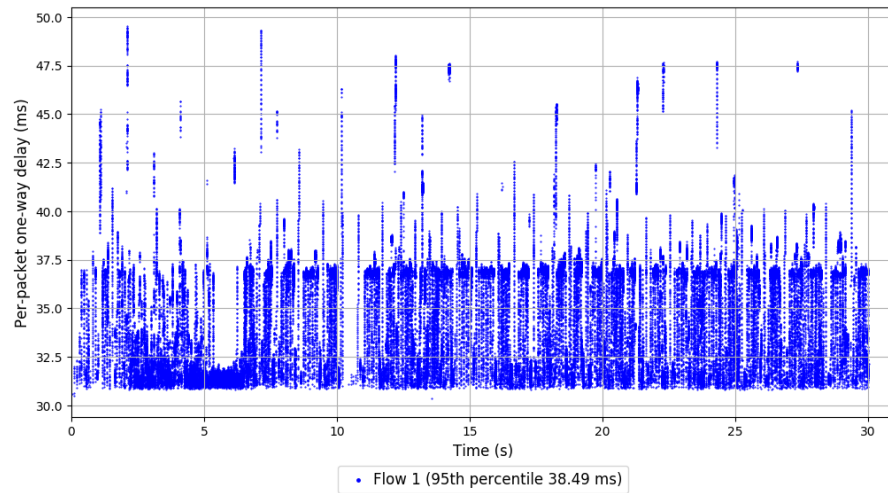
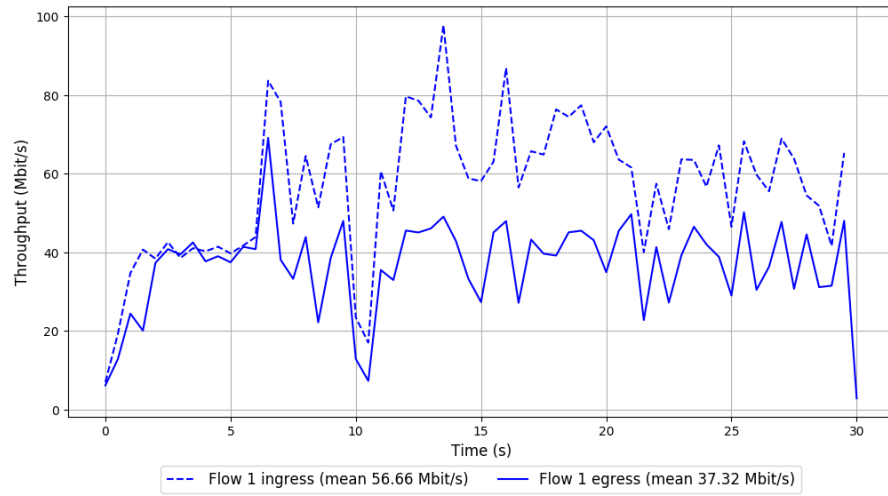


Run 10: Statistics of TCP BBR

Start at: 2017-12-01 06:40:26  
End at: 2017-12-01 06:40:56  
Local clock offset: 2.166 ms  
Remote clock offset: -18.485 ms

# Below is generated by plot.py at 2017-12-01 07:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 37.32 Mbit/s  
95th percentile per-packet one-way delay: 38.495 ms  
Loss rate: 34.12%  
-- Flow 1:  
Average throughput: 37.32 Mbit/s  
95th percentile per-packet one-way delay: 38.495 ms  
Loss rate: 34.12%

# Run 10: Report of TCP BBR — Data Link

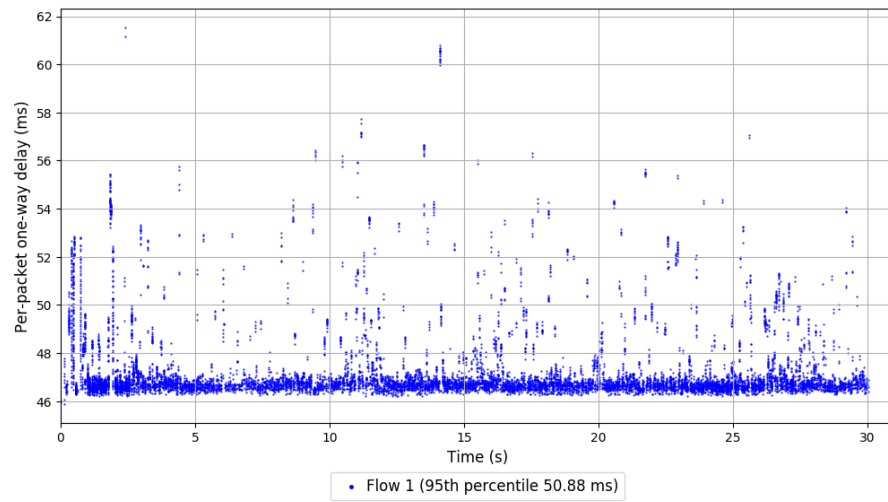
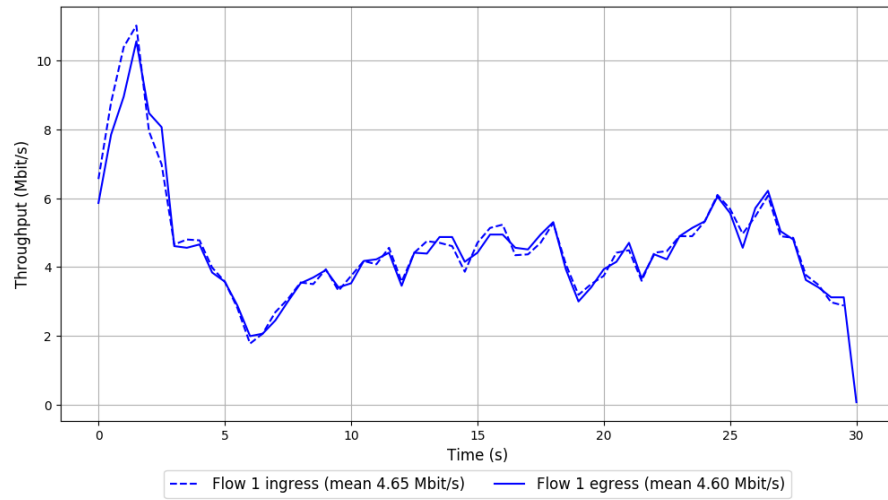


Run 1: Statistics of TCP Cubic

Start at: 2017-12-01 03:55:25  
End at: 2017-12-01 03:55:55  
Local clock offset: -0.405 ms  
Remote clock offset: -6.229 ms

# Below is generated by plot.py at 2017-12-01 07:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.60 Mbit/s  
95th percentile per-packet one-way delay: 50.880 ms  
Loss rate: 0.90%  
-- Flow 1:  
Average throughput: 4.60 Mbit/s  
95th percentile per-packet one-way delay: 50.880 ms  
Loss rate: 0.90%

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

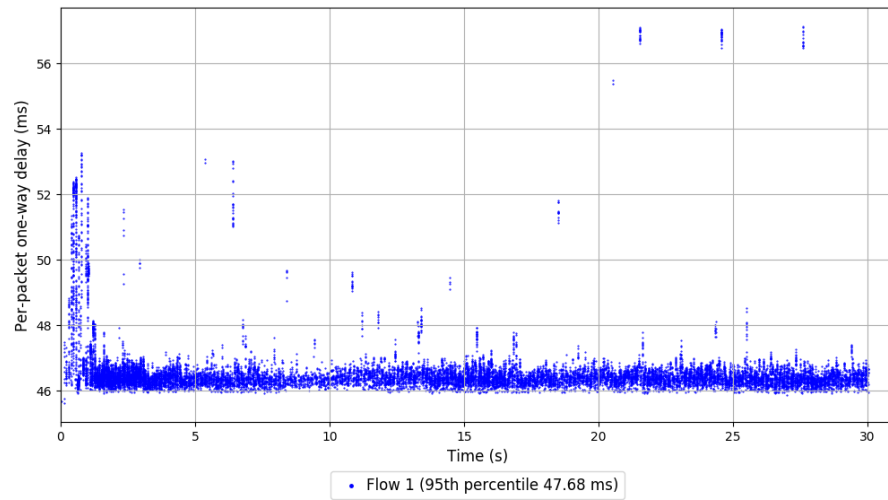
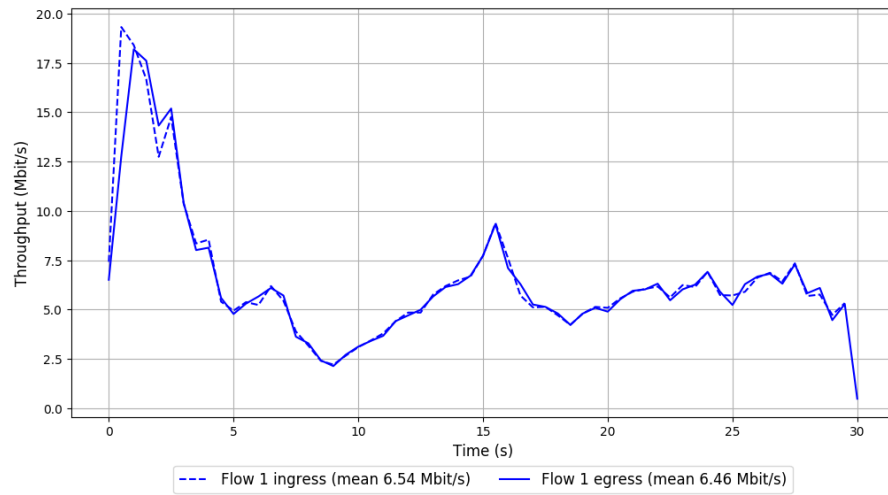


Run 2: Statistics of TCP Cubic

Start at: 2017-12-01 04:11:58  
End at: 2017-12-01 04:12:28  
Local clock offset: -0.332 ms  
Remote clock offset: -6.309 ms

# Below is generated by plot.py at 2017-12-01 07:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.46 Mbit/s  
95th percentile per-packet one-way delay: 47.679 ms  
Loss rate: 1.27%  
-- Flow 1:  
Average throughput: 6.46 Mbit/s  
95th percentile per-packet one-way delay: 47.679 ms  
Loss rate: 1.27%

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



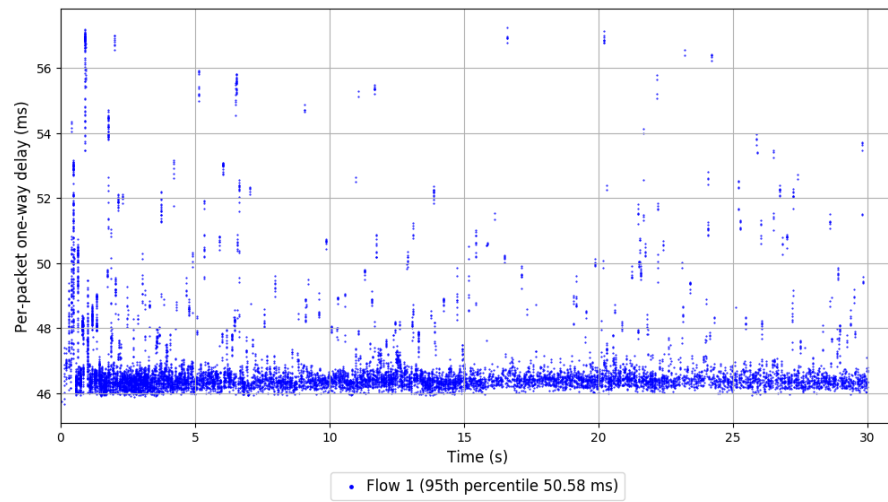
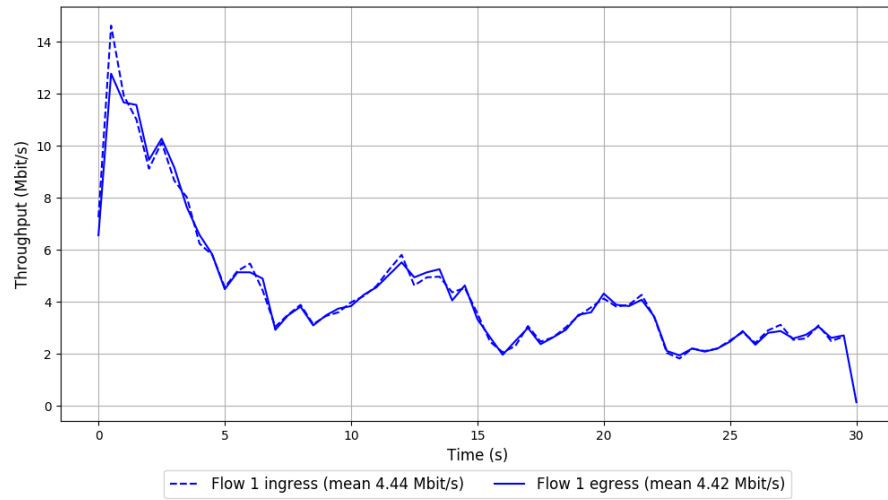
Run 3: Statistics of TCP Cubic

Start at: 2017-12-01 04:28:39  
End at: 2017-12-01 04:29:09  
Local clock offset: -0.346 ms  
Remote clock offset: -6.685 ms

# Below is generated by plot.py at 2017-12-01 07:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.42 Mbit/s  
95th percentile per-packet one-way delay: 50.580 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 4.42 Mbit/s  
95th percentile per-packet one-way delay: 50.580 ms  
Loss rate: 0.58%



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

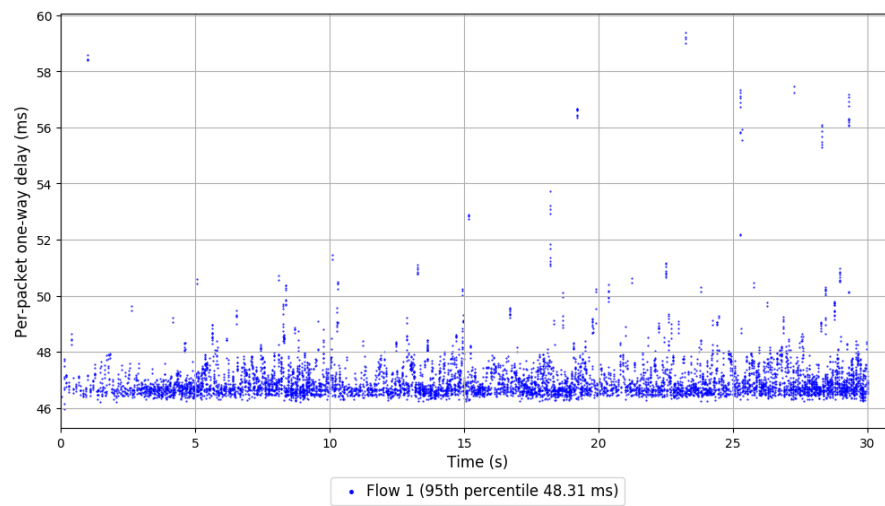
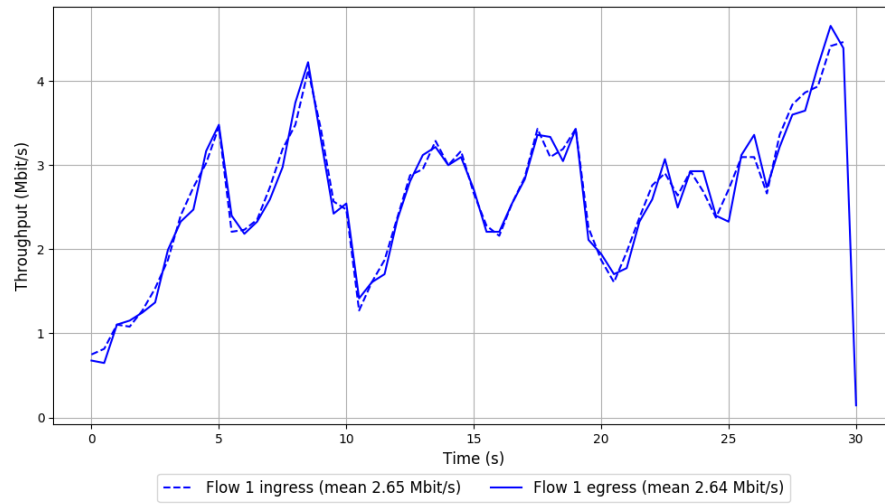


Run 4: Statistics of TCP Cubic

Start at: 2017-12-01 04:45:22  
End at: 2017-12-01 04:45:52  
Local clock offset: -0.406 ms  
Remote clock offset: -6.781 ms

# Below is generated by plot.py at 2017-12-01 07:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.64 Mbit/s  
95th percentile per-packet one-way delay: 48.314 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 2.64 Mbit/s  
95th percentile per-packet one-way delay: 48.314 ms  
Loss rate: 0.38%

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

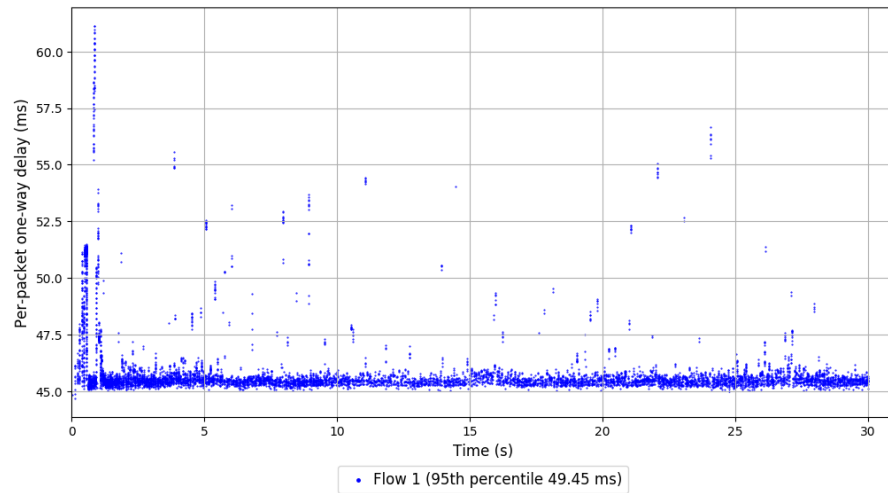
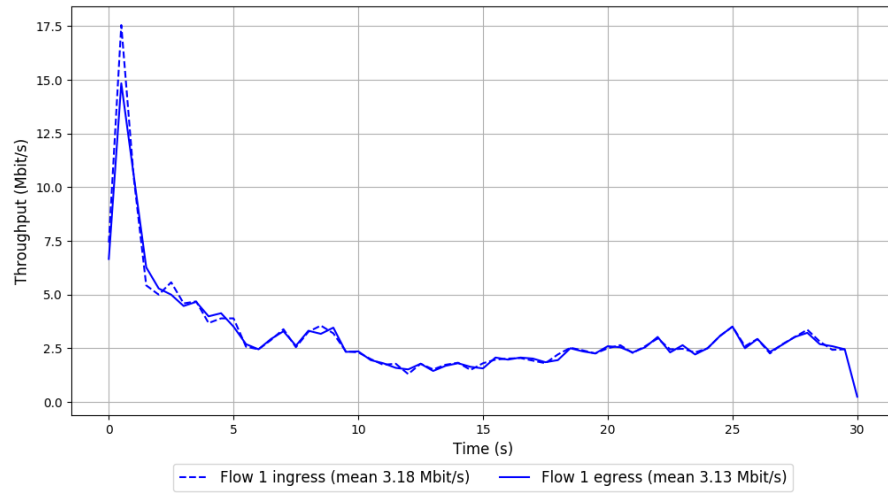


Run 5: Statistics of TCP Cubic

Start at: 2017-12-01 05:01:57  
End at: 2017-12-01 05:02:27  
Local clock offset: -0.412 ms  
Remote clock offset: -7.941 ms

# Below is generated by plot.py at 2017-12-01 07:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.13 Mbit/s  
95th percentile per-packet one-way delay: 49.446 ms  
Loss rate: 1.55%  
-- Flow 1:  
Average throughput: 3.13 Mbit/s  
95th percentile per-packet one-way delay: 49.446 ms  
Loss rate: 1.55%

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

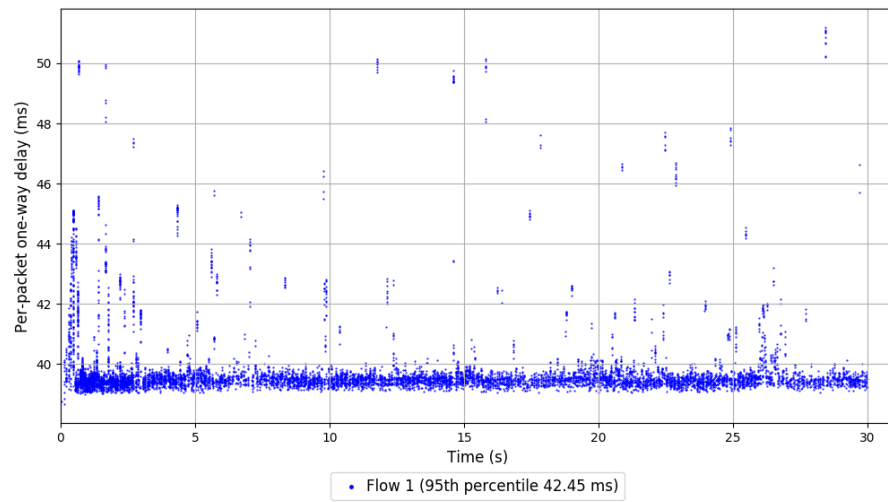
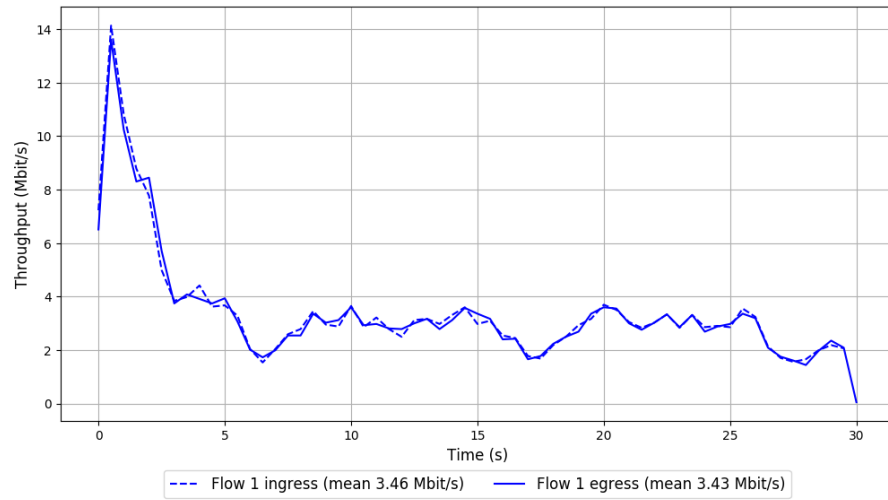


Run 6: Statistics of TCP Cubic

Start at: 2017-12-01 05:18:48  
End at: 2017-12-01 05:19:19  
Local clock offset: 0.0 ms  
Remote clock offset: -13.862 ms

# Below is generated by plot.py at 2017-12-01 07:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.43 Mbit/s  
95th percentile per-packet one-way delay: 42.446 ms  
Loss rate: 0.86%  
-- Flow 1:  
Average throughput: 3.43 Mbit/s  
95th percentile per-packet one-way delay: 42.446 ms  
Loss rate: 0.86%

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



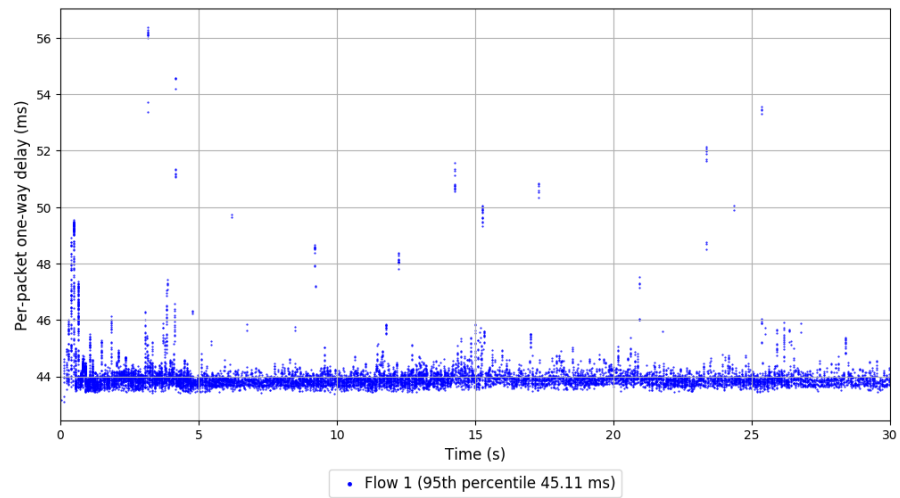
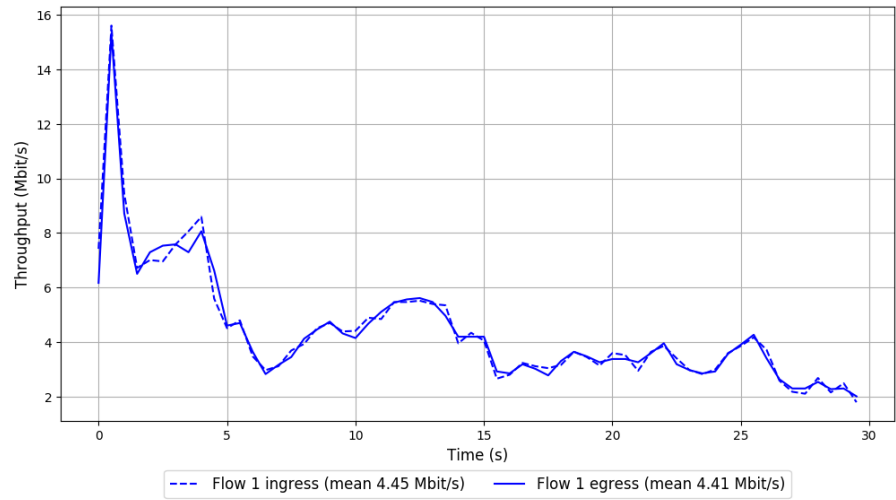
Run 7: Statistics of TCP Cubic

Start at: 2017-12-01 05:35:42  
End at: 2017-12-01 05:36:12  
Local clock offset: 0.445 ms  
Remote clock offset: -8.605 ms

# Below is generated by plot.py at 2017-12-01 07:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.41 Mbit/s  
95th percentile per-packet one-way delay: 45.109 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 4.41 Mbit/s  
95th percentile per-packet one-way delay: 45.109 ms  
Loss rate: 0.73%



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

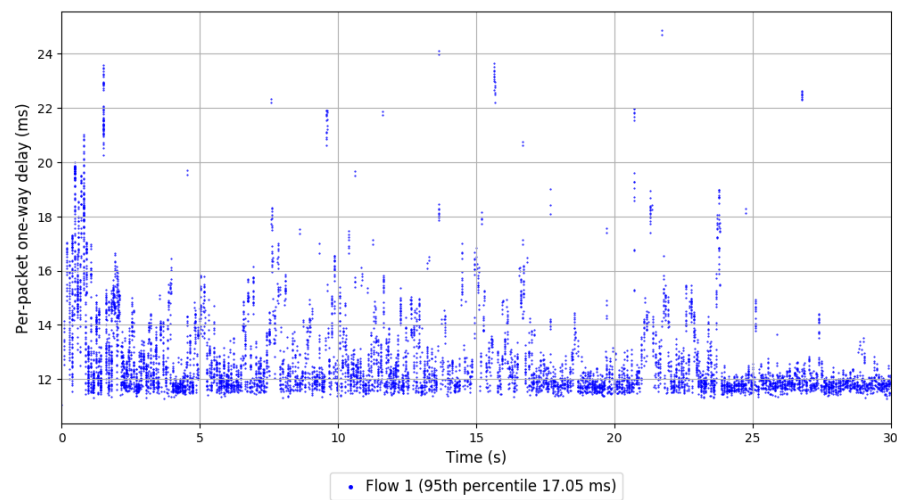
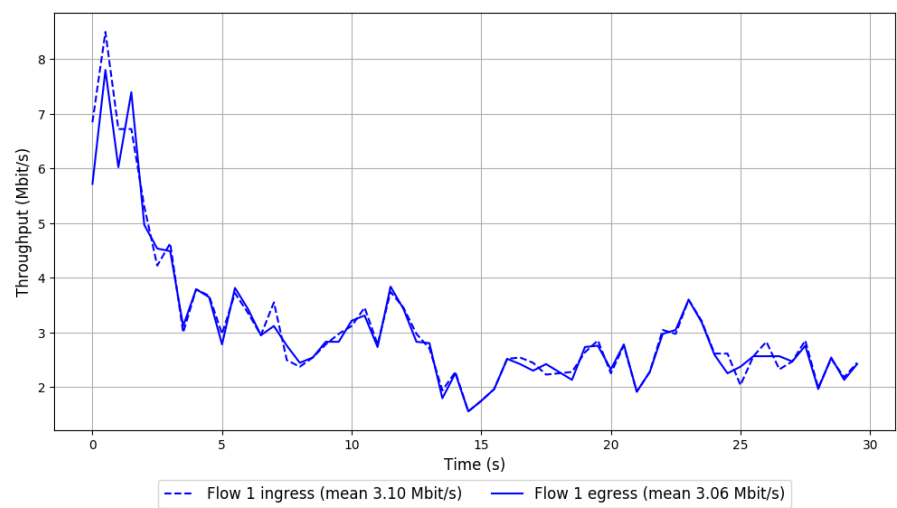


Run 8: Statistics of TCP Cubic

Start at: 2017-12-01 05:52:32  
End at: 2017-12-01 05:53:02  
Local clock offset: 1.009 ms  
Remote clock offset: -39.92 ms

# Below is generated by plot.py at 2017-12-01 07:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.06 Mbit/s  
95th percentile per-packet one-way delay: 17.050 ms  
Loss rate: 1.47%  
-- Flow 1:  
Average throughput: 3.06 Mbit/s  
95th percentile per-packet one-way delay: 17.050 ms  
Loss rate: 1.47%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

/home/ubuntu/pantheon\_data/2017-12-01T03-53-AWS-Korea-to-China-10-runs/default\_tcp\_stats\_run

Run 9: Report of TCP Cubic — Data Link

Figure is missing

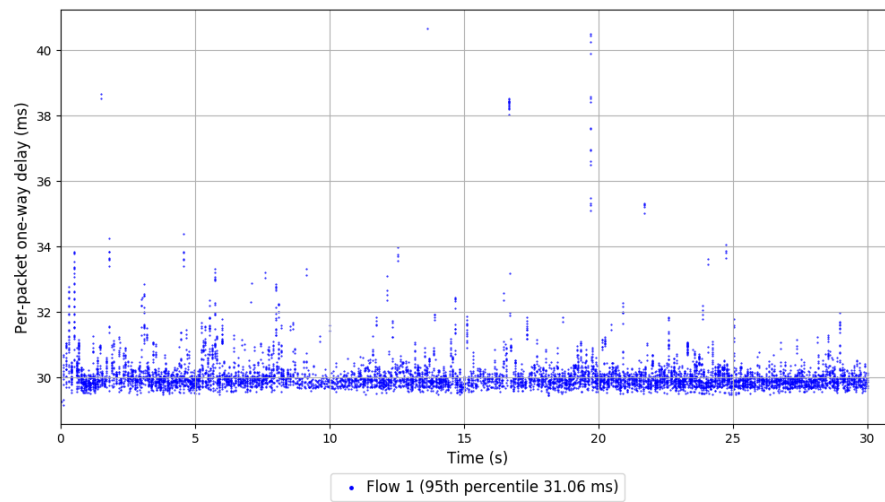
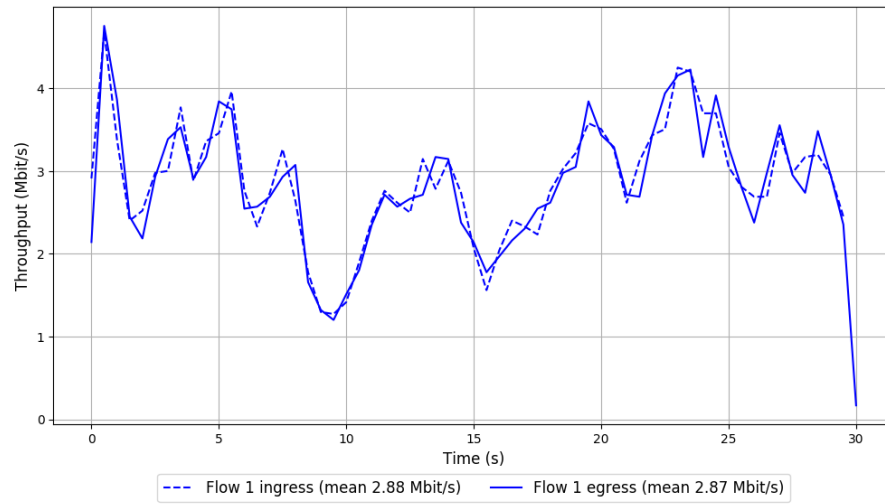
Figure is missing

Run 10: Statistics of TCP Cubic

Start at: 2017-12-01 06:28:11  
End at: 2017-12-01 06:28:41  
Local clock offset: 1.857 ms  
Remote clock offset: -20.121 ms

# Below is generated by plot.py at 2017-12-01 07:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.87 Mbit/s  
95th percentile per-packet one-way delay: 31.064 ms  
Loss rate: 0.47%  
-- Flow 1:  
Average throughput: 2.87 Mbit/s  
95th percentile per-packet one-way delay: 31.064 ms  
Loss rate: 0.47%

# Run 10: Report of TCP Cubic — Data Link



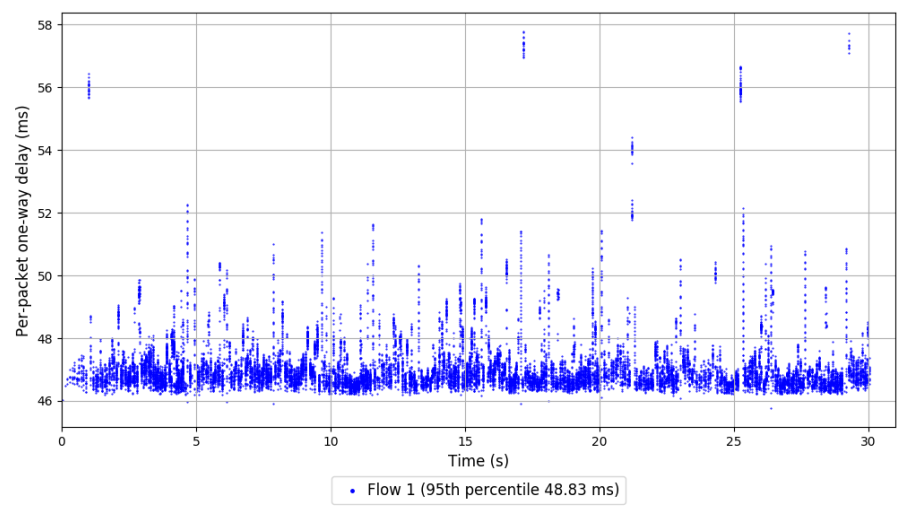
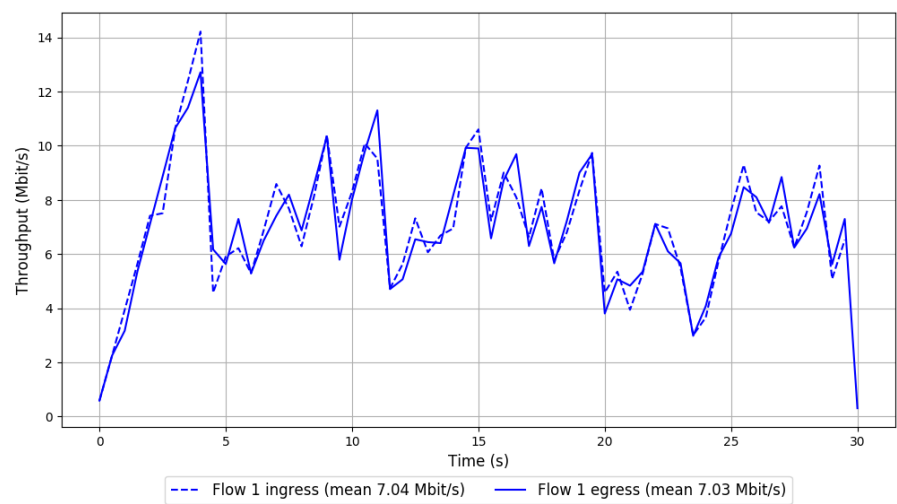
Run 1: Statistics of LEDBAT

Start at: 2017-12-01 04:09:40  
End at: 2017-12-01 04:10:10  
Local clock offset: -0.329 ms  
Remote clock offset: -6.211 ms

# Below is generated by plot.py at 2017-12-01 07:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.03 Mbit/s  
95th percentile per-packet one-way delay: 48.825 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 7.03 Mbit/s  
95th percentile per-packet one-way delay: 48.825 ms  
Loss rate: 0.17%



Run 1: Report of LEDBAT — Data Link

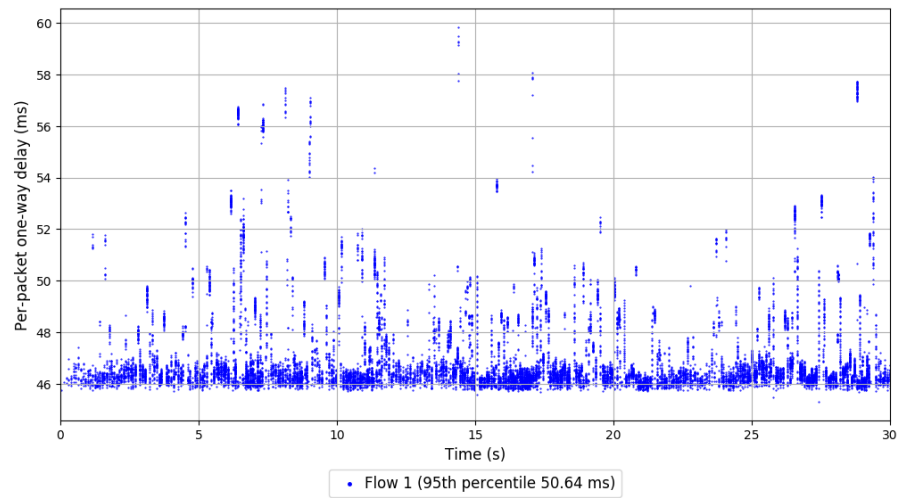
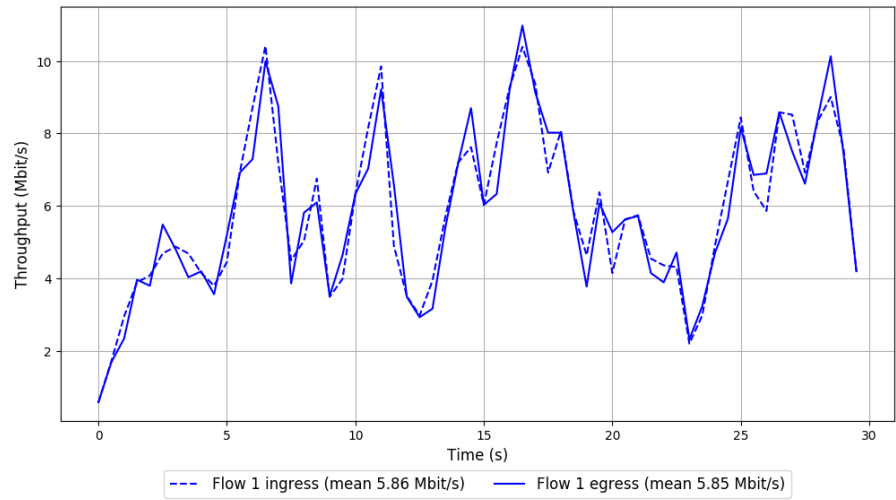


Run 2: Statistics of LEDBAT

Start at: 2017-12-01 04:26:22  
End at: 2017-12-01 04:26:52  
Local clock offset: -0.213 ms  
Remote clock offset: -6.732 ms

# Below is generated by plot.py at 2017-12-01 07:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 5.85 Mbit/s  
95th percentile per-packet one-way delay: 50.639 ms  
Loss rate: 0.31%  
-- Flow 1:  
Average throughput: 5.85 Mbit/s  
95th percentile per-packet one-way delay: 50.639 ms  
Loss rate: 0.31%

## Run 2: Report of LEDBAT — Data Link

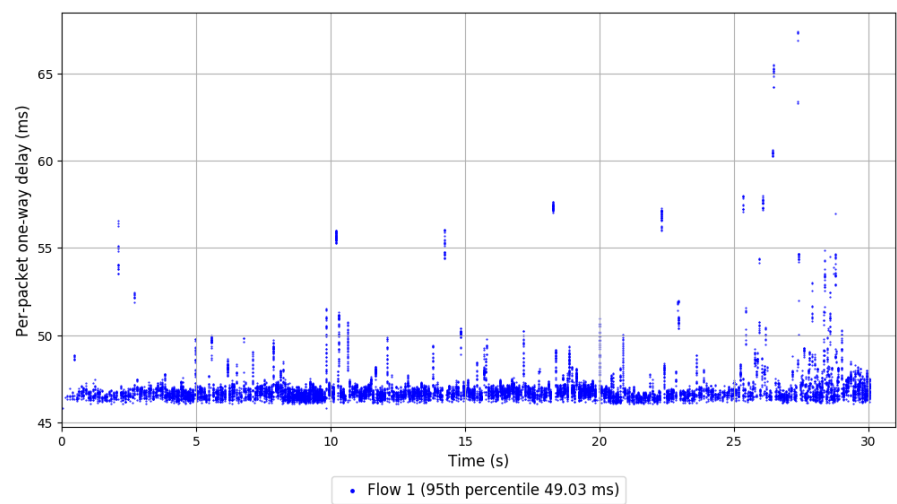
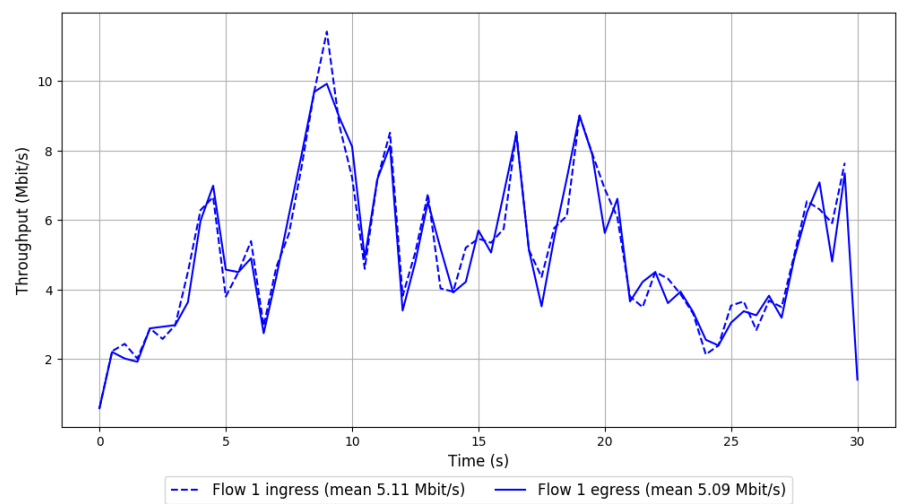


Run 3: Statistics of LEDBAT

Start at: 2017-12-01 04:43:05  
End at: 2017-12-01 04:43:35  
Local clock offset: -0.287 ms  
Remote clock offset: -6.787 ms

# Below is generated by plot.py at 2017-12-01 07:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 5.09 Mbit/s  
95th percentile per-packet one-way delay: 49.033 ms  
Loss rate: 0.41%  
-- Flow 1:  
Average throughput: 5.09 Mbit/s  
95th percentile per-packet one-way delay: 49.033 ms  
Loss rate: 0.41%

Run 3: Report of LEDBAT — Data Link

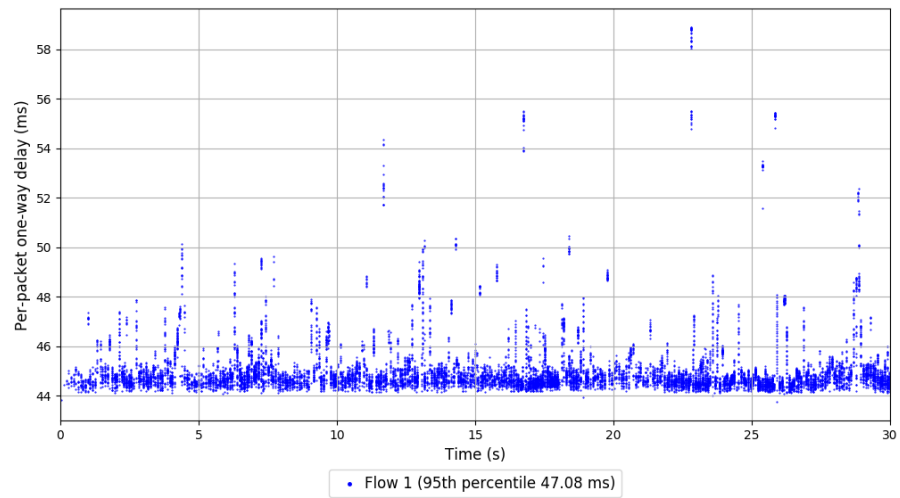
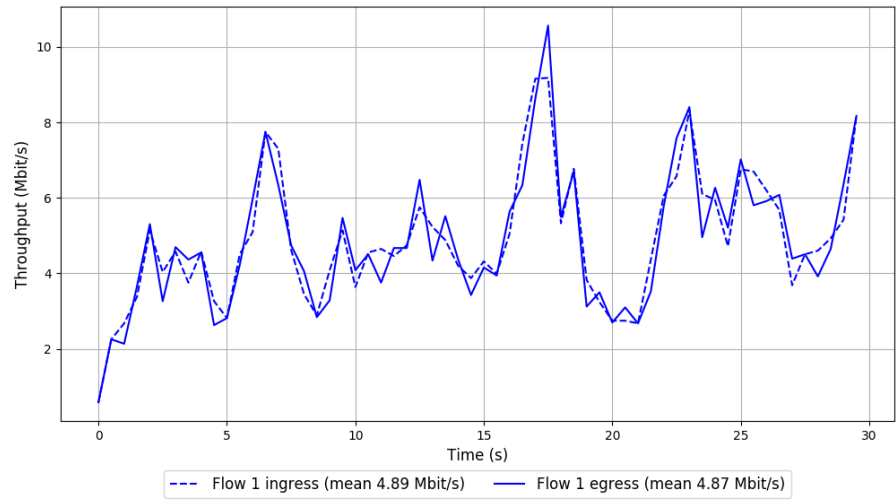


Run 4: Statistics of LEDBAT

Start at: 2017-12-01 04:59:39  
End at: 2017-12-01 05:00:09  
Local clock offset: -0.45 ms  
Remote clock offset: -8.908 ms

# Below is generated by plot.py at 2017-12-01 07:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.87 Mbit/s  
95th percentile per-packet one-way delay: 47.079 ms  
Loss rate: 0.42%  
-- Flow 1:  
Average throughput: 4.87 Mbit/s  
95th percentile per-packet one-way delay: 47.079 ms  
Loss rate: 0.42%

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



Run 5: Statistics of LEDBAT

Start at: 2017-12-01 05:16:31

End at: 2017-12-01 05:17:01

Local clock offset: -0.064 ms

Remote clock offset: -7.0 ms

# Below is generated by plot.py at 2017-12-01 07:02:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.35 Mbit/s

95th percentile per-packet one-way delay: 49.816 ms

Loss rate: 0.45%

-- Flow 1:

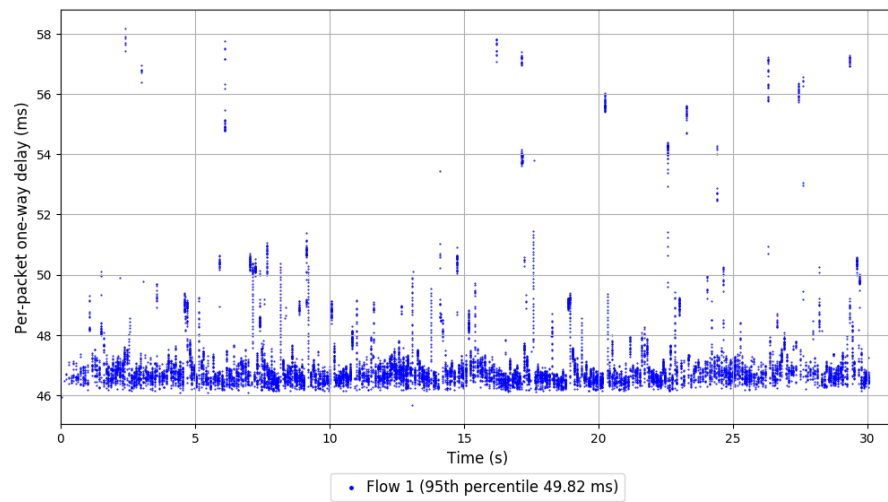
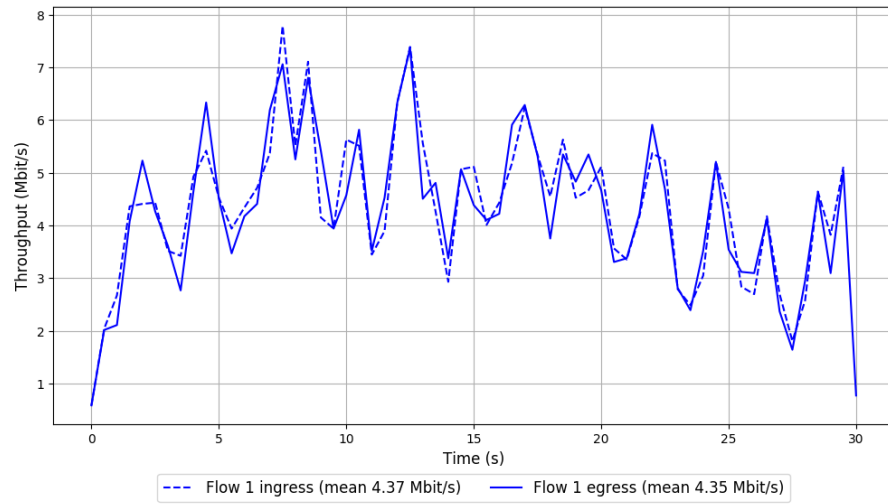
Average throughput: 4.35 Mbit/s

95th percentile per-packet one-way delay: 49.816 ms

Loss rate: 0.45%



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

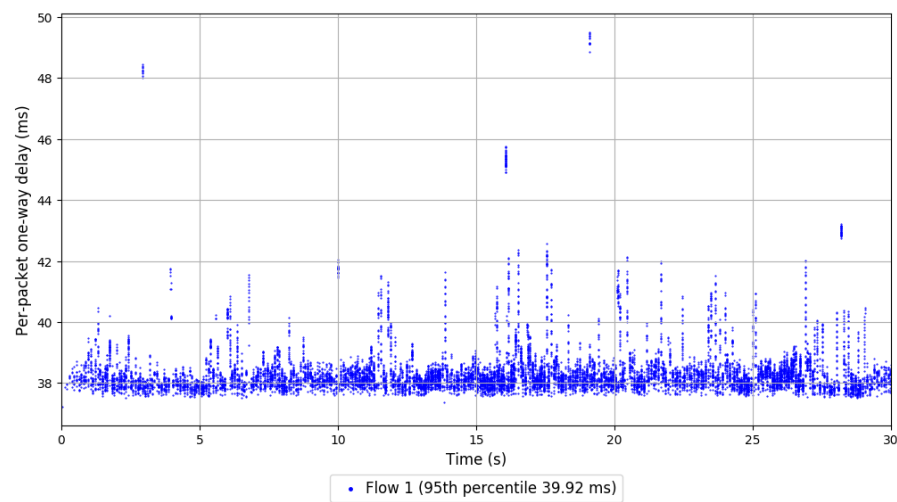
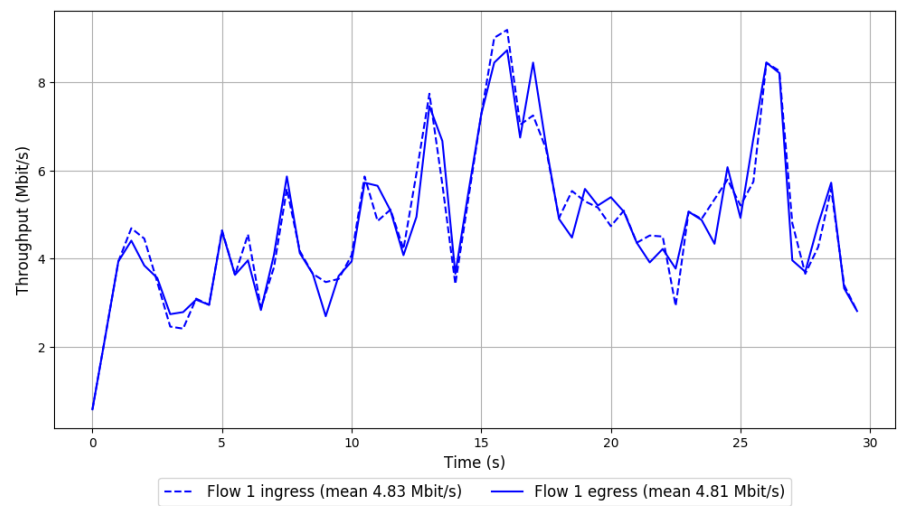


Run 6: Statistics of LEDBAT

Start at: 2017-12-01 05:33:12  
End at: 2017-12-01 05:33:42  
Local clock offset: 0.345 ms  
Remote clock offset: -14.617 ms

# Below is generated by plot.py at 2017-12-01 07:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.81 Mbit/s  
95th percentile per-packet one-way delay: 39.921 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 4.81 Mbit/s  
95th percentile per-packet one-way delay: 39.921 ms  
Loss rate: 0.37%

Run 6: Report of LEDBAT — Data Link

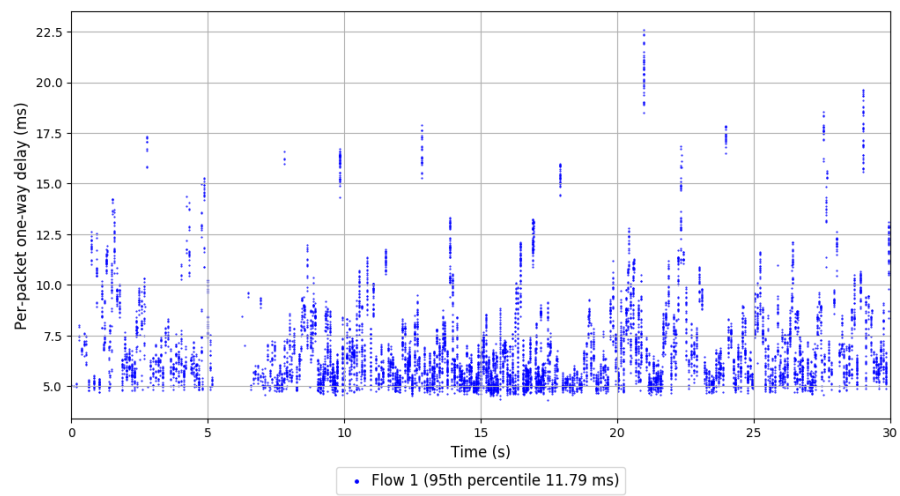
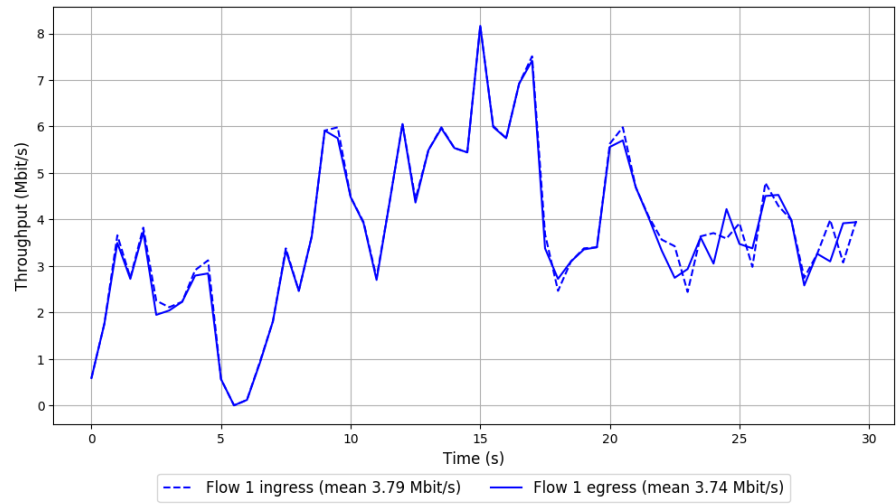


Run 7: Statistics of LEDBAT

Start at: 2017-12-01 05:50:13  
End at: 2017-12-01 05:50:43  
Local clock offset: 0.943 ms  
Remote clock offset: -46.503 ms

# Below is generated by plot.py at 2017-12-01 07:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.74 Mbit/s  
95th percentile per-packet one-way delay: 11.793 ms  
Loss rate: 1.27%  
-- Flow 1:  
Average throughput: 3.74 Mbit/s  
95th percentile per-packet one-way delay: 11.793 ms  
Loss rate: 1.27%

### Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

/home/ubuntu/pantheon\_data/2017-12-01T03-53-AWS-Korea-to-China-10-runs/ledbat\_stats\_run8.log

Run 8: Report of LEDBAT — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of LEDBAT

Start at: 2017-12-01 06:25:52

End at: 2017-12-01 06:26:22

Local clock offset: 1.661 ms

Remote clock offset: -8.97 ms

# Below is generated by plot.py at 2017-12-01 07:02:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.19 Mbit/s

95th percentile per-packet one-way delay: 43.834 ms

Loss rate: 0.62%

-- Flow 1:

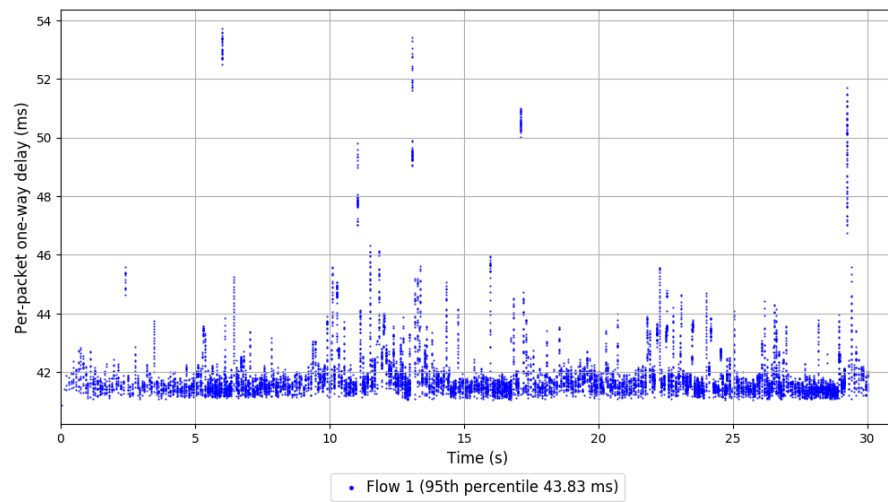
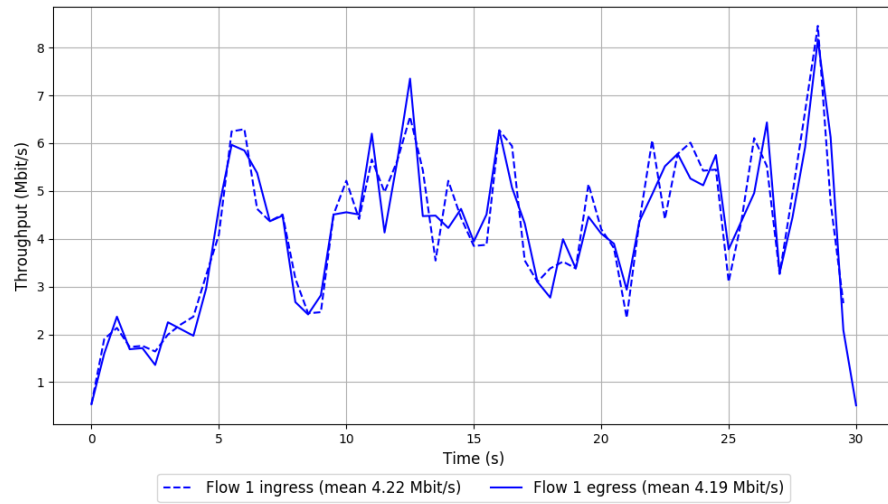
Average throughput: 4.19 Mbit/s

95th percentile per-packet one-way delay: 43.834 ms

Loss rate: 0.62%



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

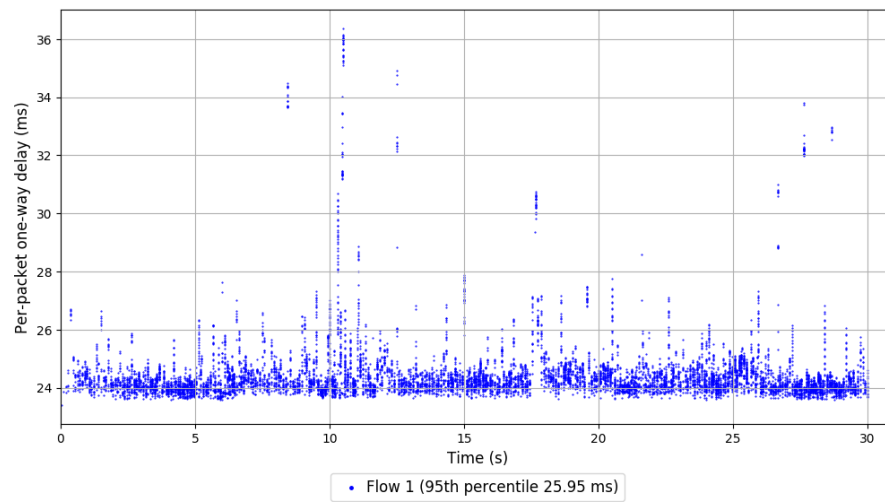
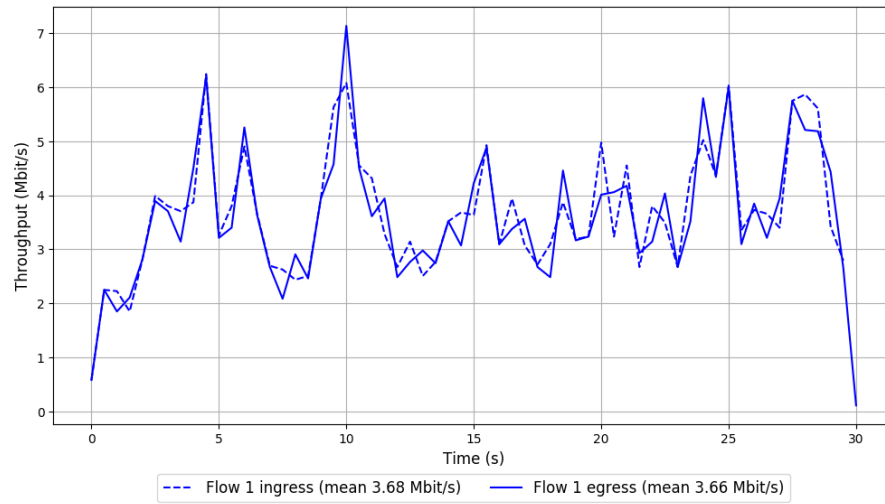


Run 10: Statistics of LEDBAT

Start at: 2017-12-01 06:42:50  
End at: 2017-12-01 06:43:20  
Local clock offset: 2.104 ms  
Remote clock offset: -25.741 ms

# Below is generated by plot.py at 2017-12-01 07:02:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.66 Mbit/s  
95th percentile per-packet one-way delay: 25.955 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 3.66 Mbit/s  
95th percentile per-packet one-way delay: 25.955 ms  
Loss rate: 0.73%

# Run 10: Report of LEDBAT — Data Link

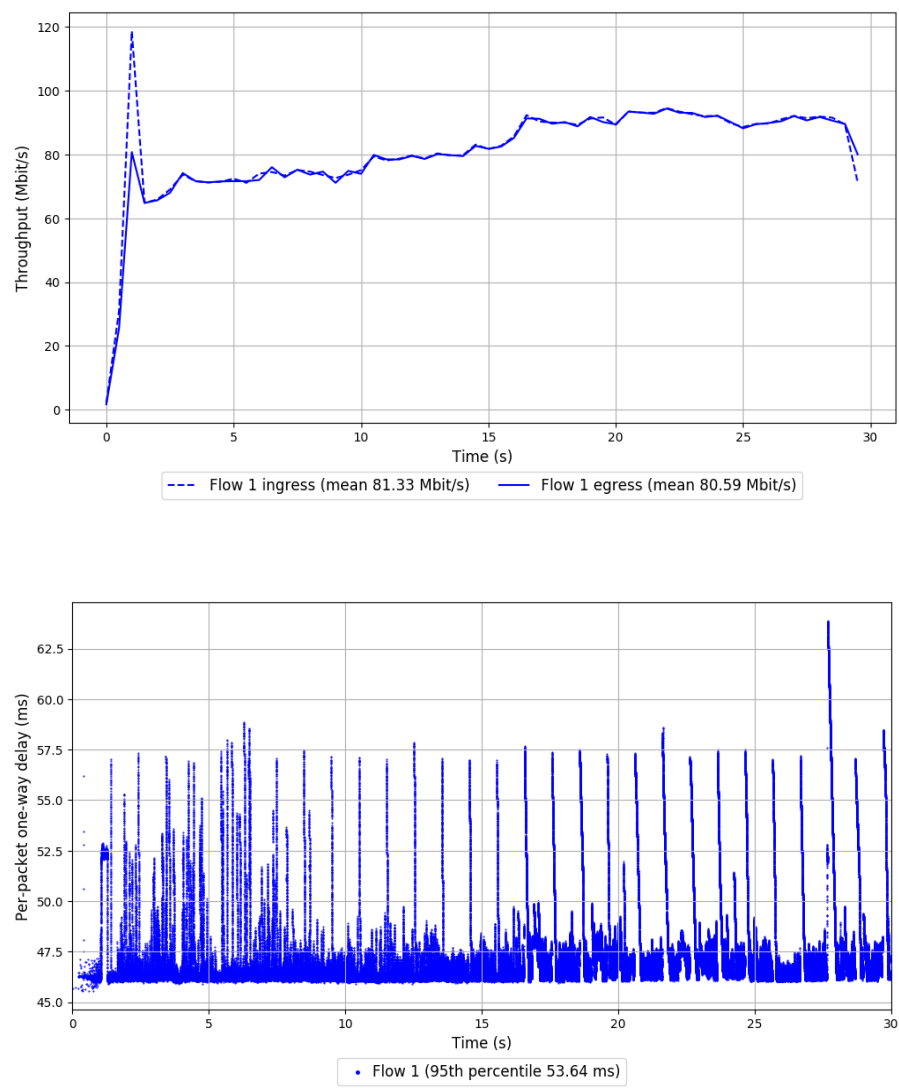


```
Run 1: Statistics of PCC

Start at: 2017-12-01 04:08:27
End at: 2017-12-01 04:08:57
Local clock offset: -0.447 ms
Remote clock offset: -6.215 ms

# Below is generated by plot.py at 2017-12-01 07:03:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.59 Mbit/s
95th percentile per-packet one-way delay: 53.642 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 80.59 Mbit/s
95th percentile per-packet one-way delay: 53.642 ms
Loss rate: 0.90%
```

Run 1: Report of PCC — Data Link

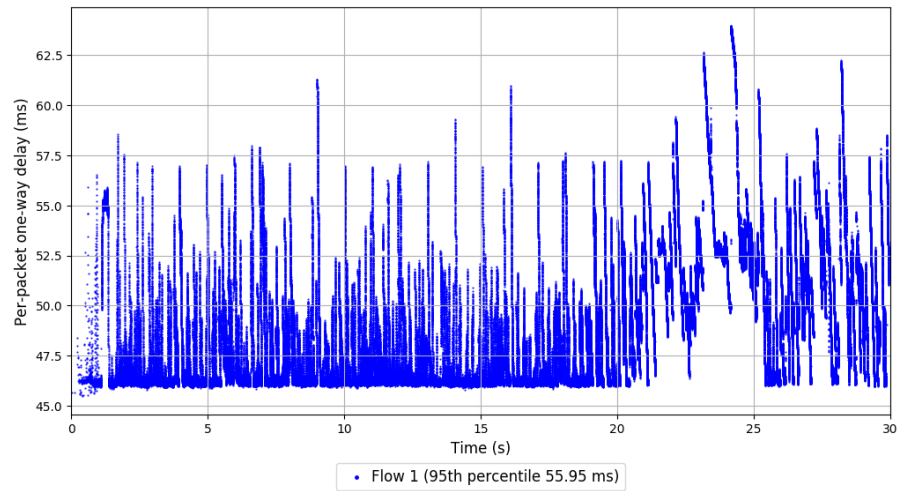
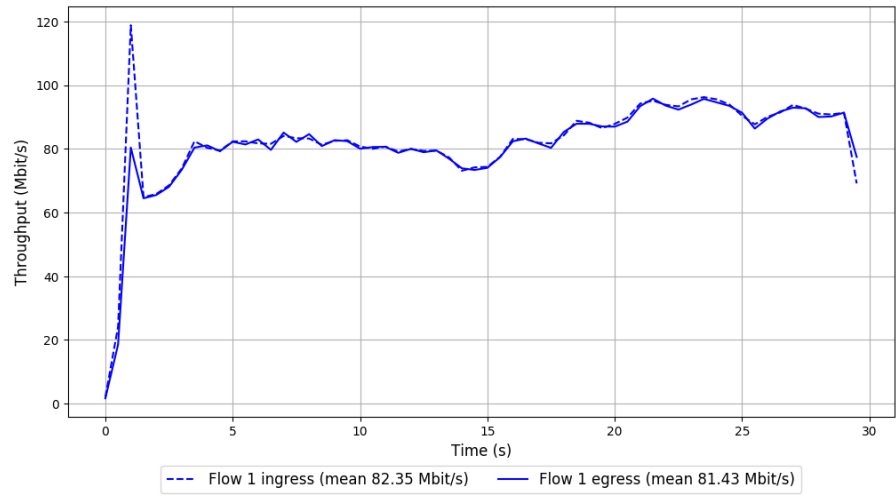


Run 2: Statistics of PCC

Start at: 2017-12-01 04:25:10  
End at: 2017-12-01 04:25:40  
Local clock offset: -0.38 ms  
Remote clock offset: -6.626 ms

# Below is generated by plot.py at 2017-12-01 07:03:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.43 Mbit/s  
95th percentile per-packet one-way delay: 55.950 ms  
Loss rate: 1.09%  
-- Flow 1:  
Average throughput: 81.43 Mbit/s  
95th percentile per-packet one-way delay: 55.950 ms  
Loss rate: 1.09%

## Run 2: Report of PCC — Data Link



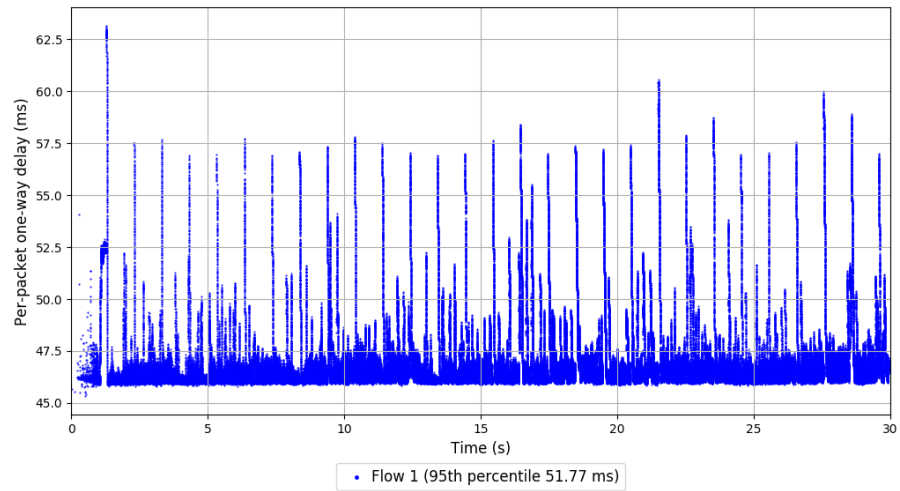
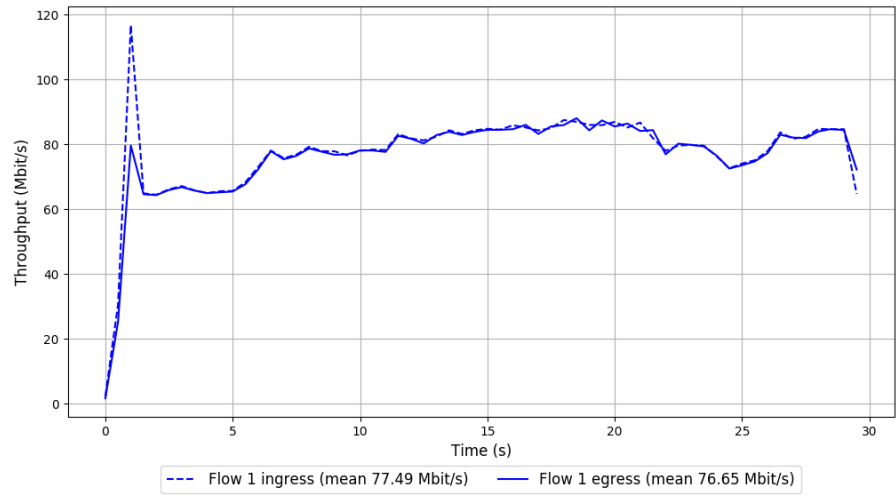
Run 3: Statistics of PCC

Start at: 2017-12-01 04:41:53  
End at: 2017-12-01 04:42:23  
Local clock offset: -0.283 ms  
Remote clock offset: -6.718 ms

# Below is generated by plot.py at 2017-12-01 07:03:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.65 Mbit/s  
95th percentile per-packet one-way delay: 51.769 ms  
Loss rate: 1.08%  
-- Flow 1:  
Average throughput: 76.65 Mbit/s  
95th percentile per-packet one-way delay: 51.769 ms  
Loss rate: 1.08%



### Run 3: Report of PCC — Data Link

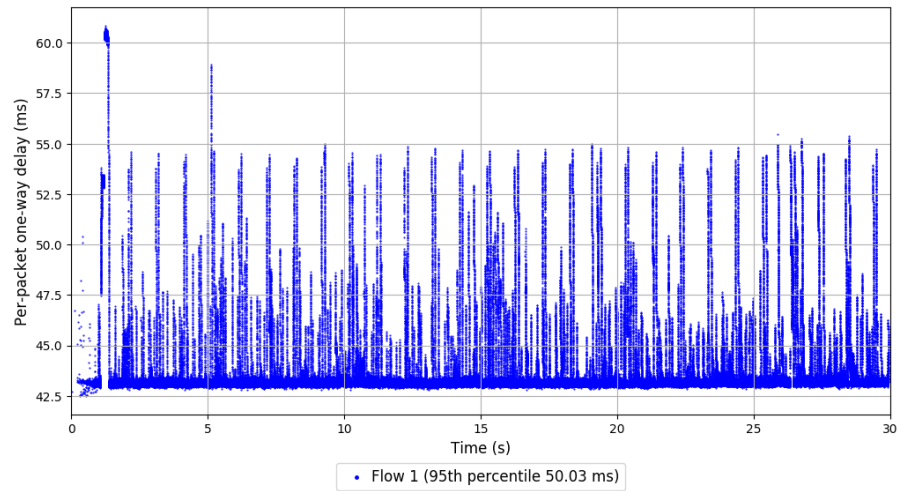
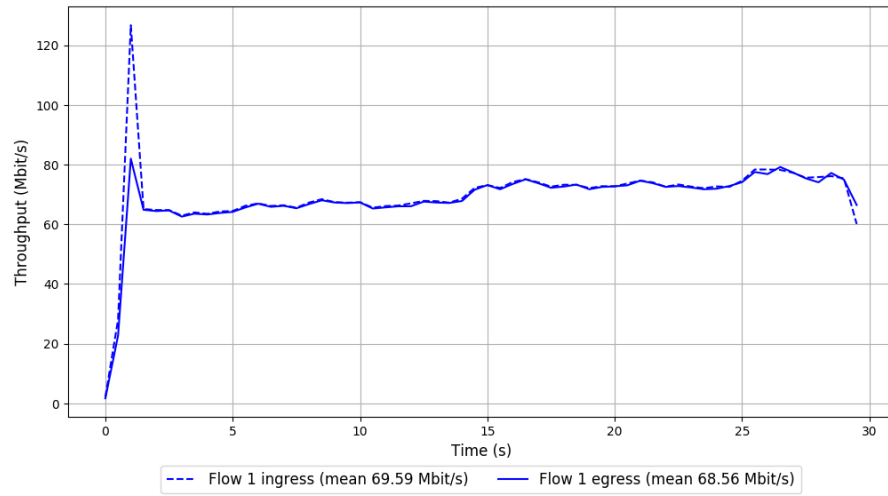


Run 4: Statistics of PCC

Start at: 2017-12-01 04:58:28  
End at: 2017-12-01 04:58:58  
Local clock offset: -0.441 ms  
Remote clock offset: -10.049 ms

# Below is generated by plot.py at 2017-12-01 07:03:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.56 Mbit/s  
95th percentile per-packet one-way delay: 50.031 ms  
Loss rate: 1.49%  
-- Flow 1:  
Average throughput: 68.56 Mbit/s  
95th percentile per-packet one-way delay: 50.031 ms  
Loss rate: 1.49%

#### Run 4: Report of PCC — Data Link

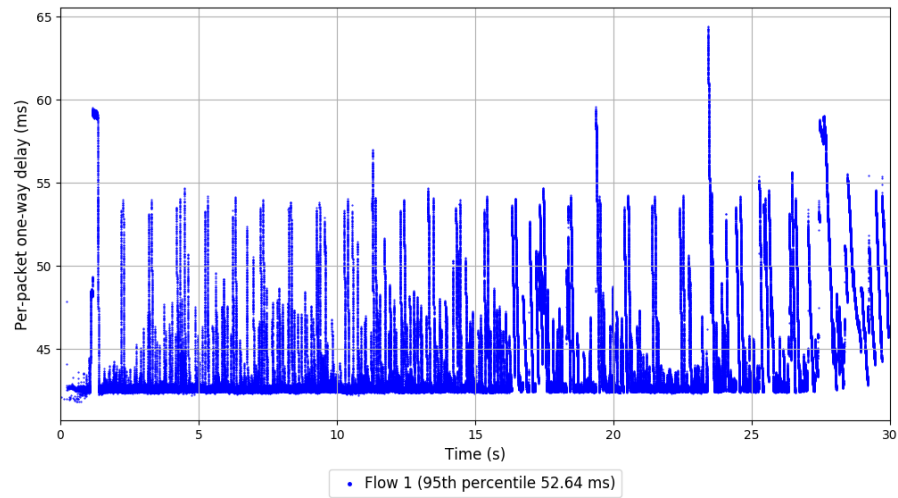
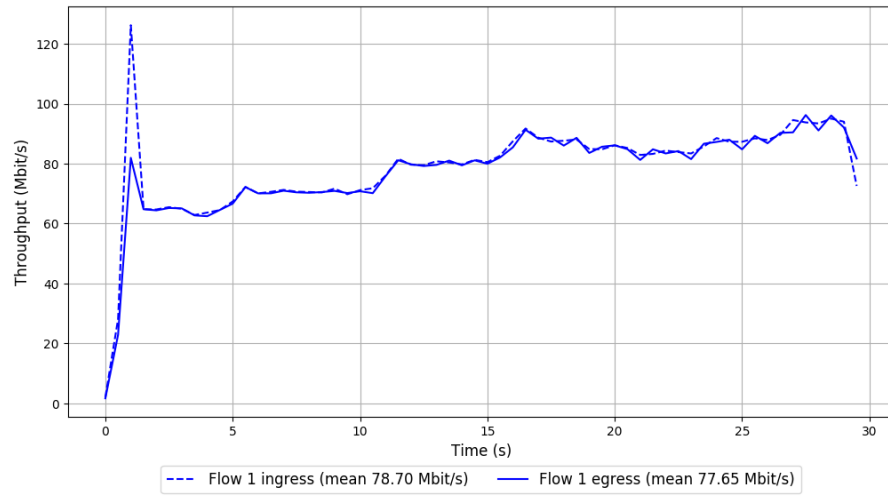


Run 5: Statistics of PCC

Start at: 2017-12-01 05:15:19  
End at: 2017-12-01 05:15:49  
Local clock offset: -0.003 ms  
Remote clock offset: -10.382 ms

# Below is generated by plot.py at 2017-12-01 07:03:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.65 Mbit/s  
95th percentile per-packet one-way delay: 52.639 ms  
Loss rate: 1.33%  
-- Flow 1:  
Average throughput: 77.65 Mbit/s  
95th percentile per-packet one-way delay: 52.639 ms  
Loss rate: 1.33%

### Run 5: Report of PCC — Data Link

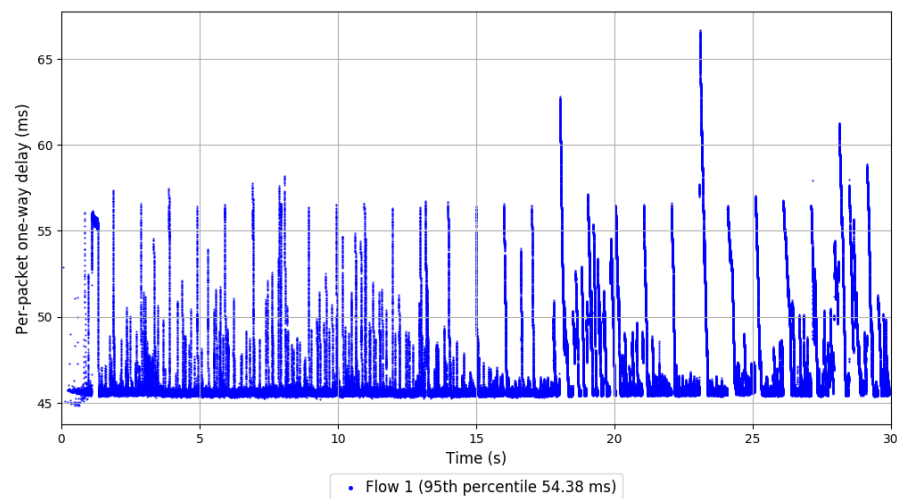
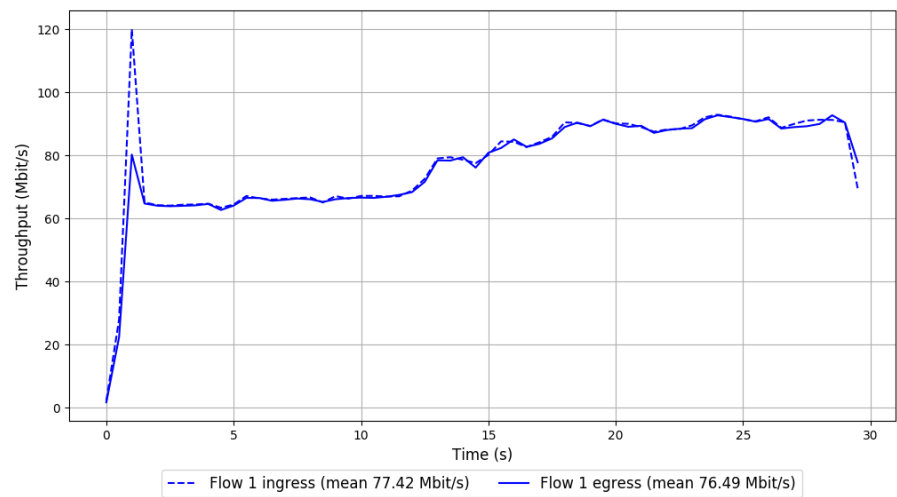


Run 6: Statistics of PCC

Start at: 2017-12-01 05:32:00  
End at: 2017-12-01 05:32:30  
Local clock offset: 0.189 ms  
Remote clock offset: -6.987 ms

# Below is generated by plot.py at 2017-12-01 07:03:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.49 Mbit/s  
95th percentile per-packet one-way delay: 54.380 ms  
Loss rate: 1.23%  
-- Flow 1:  
Average throughput: 76.49 Mbit/s  
95th percentile per-packet one-way delay: 54.380 ms  
Loss rate: 1.23%

Run 6: Report of PCC — Data Link



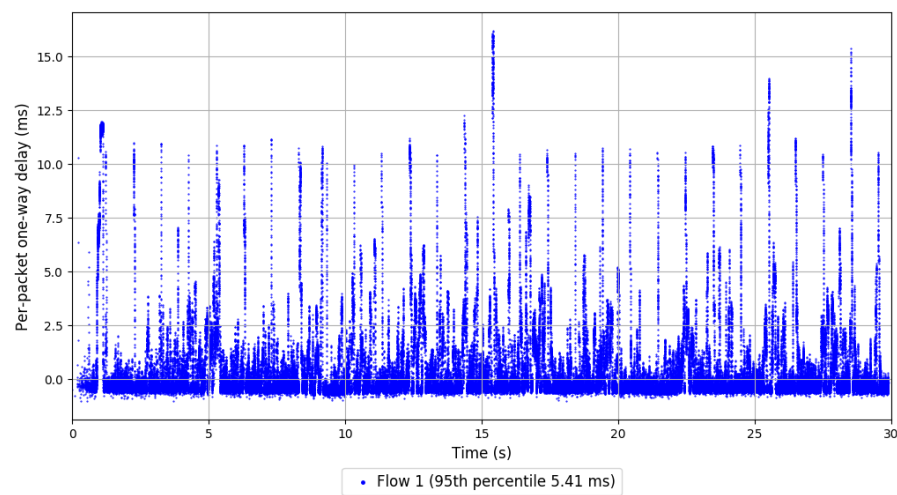
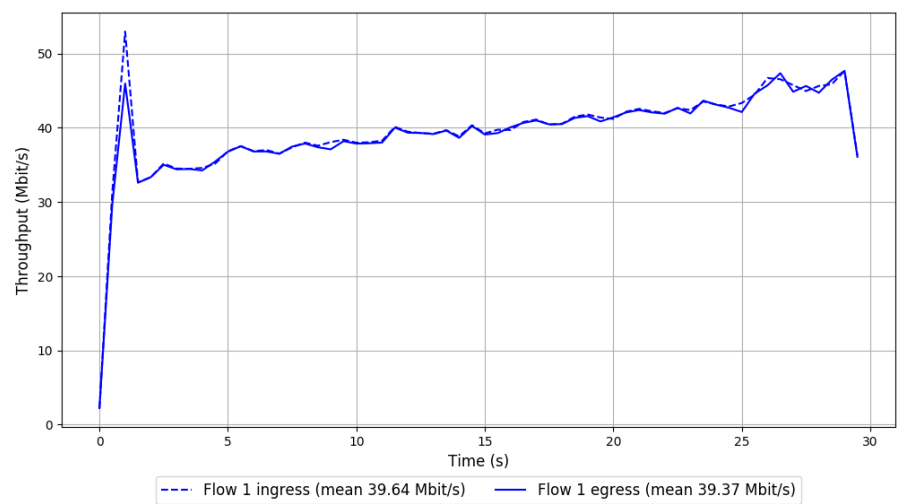
Run 7: Statistics of PCC

Start at: 2017-12-01 05:49:03  
End at: 2017-12-01 05:49:33  
Local clock offset: 0.798 ms  
Remote clock offset: -52.207 ms

# Below is generated by plot.py at 2017-12-01 07:03:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 39.37 Mbit/s  
95th percentile per-packet one-way delay: 5.409 ms  
Loss rate: 0.67%  
-- Flow 1:  
Average throughput: 39.37 Mbit/s  
95th percentile per-packet one-way delay: 5.409 ms  
Loss rate: 0.67%



Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

/home/ubuntu/pantheon\_data/2017-12-01T03-53-AWS-Korea-to-China-10-runs/pcc\_stats\_run8.log d

## Run 8: Report of PCC — Data Link

Figure is missing

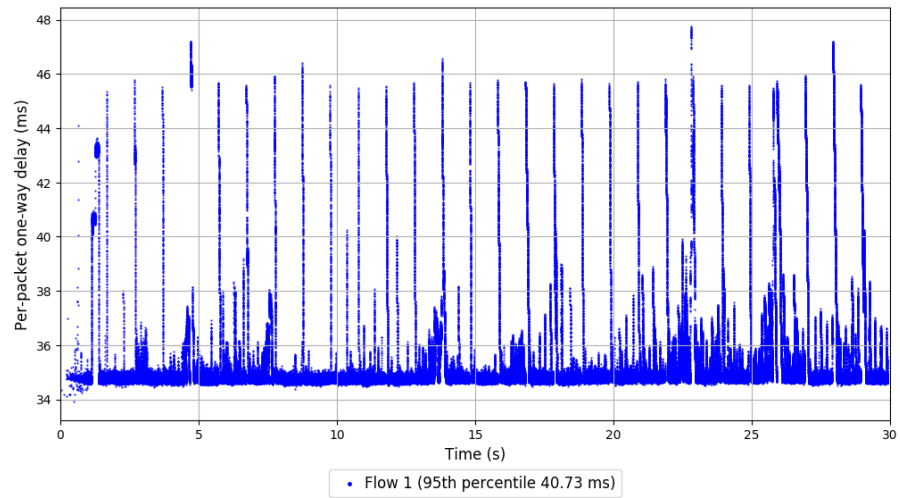
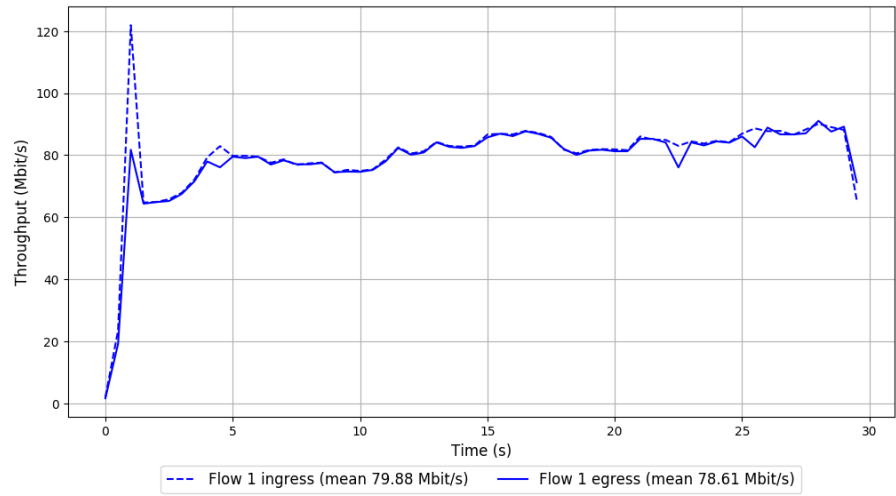
Figure is missing

Run 9: Statistics of PCC

Start at: 2017-12-01 06:24:37  
End at: 2017-12-01 06:25:08  
Local clock offset: 1.698 ms  
Remote clock offset: -15.243 ms

# Below is generated by plot.py at 2017-12-01 07:03:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.61 Mbit/s  
95th percentile per-packet one-way delay: 40.726 ms  
Loss rate: 1.58%  
-- Flow 1:  
Average throughput: 78.61 Mbit/s  
95th percentile per-packet one-way delay: 40.726 ms  
Loss rate: 1.58%

### Run 9: Report of PCC — Data Link

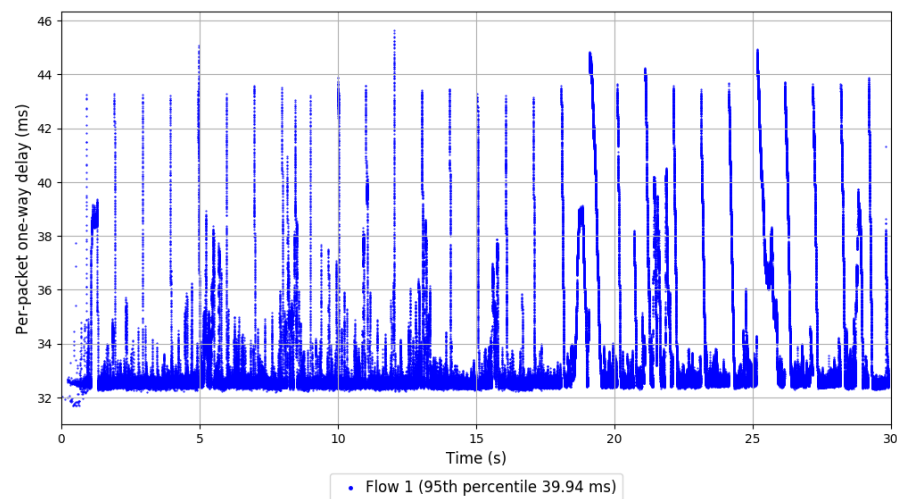
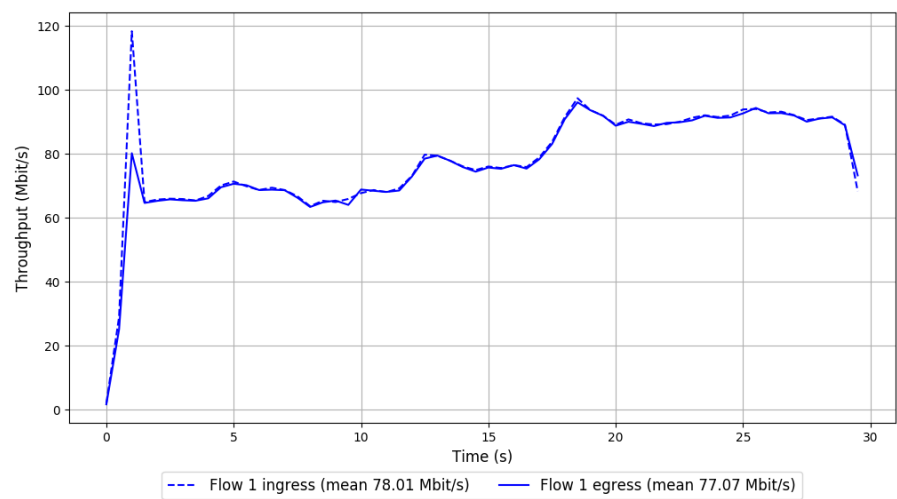


Run 10: Statistics of PCC

Start at: 2017-12-01 06:41:37  
End at: 2017-12-01 06:42:07  
Local clock offset: 2.189 ms  
Remote clock offset: -16.712 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.07 Mbit/s  
95th percentile per-packet one-way delay: 39.940 ms  
Loss rate: 1.20%  
-- Flow 1:  
Average throughput: 77.07 Mbit/s  
95th percentile per-packet one-way delay: 39.940 ms  
Loss rate: 1.20%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2017-12-01 04:01:16

End at: 2017-12-01 04:01:46

Local clock offset: -0.314 ms

Remote clock offset: -6.087 ms

# Below is generated by plot.py at 2017-12-01 07:04:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 17.27 Mbit/s

95th percentile per-packet one-way delay: 46.689 ms

Loss rate: 0.08%

-- Flow 1:

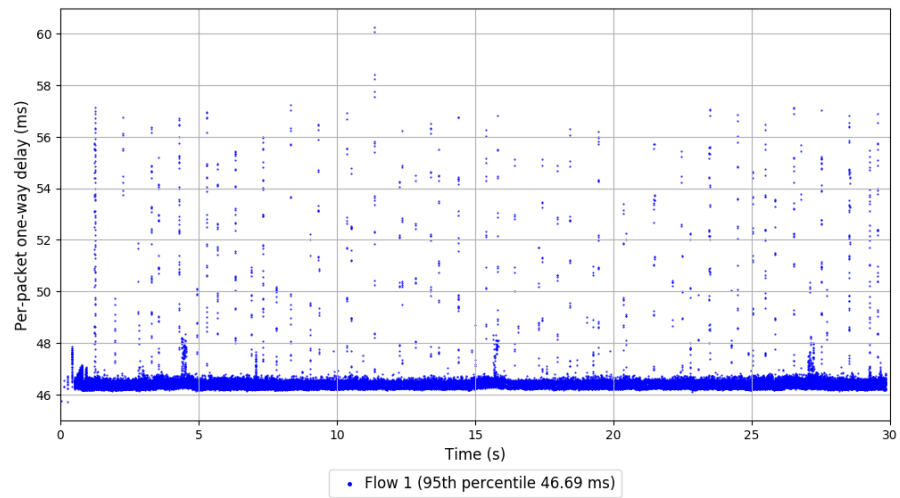
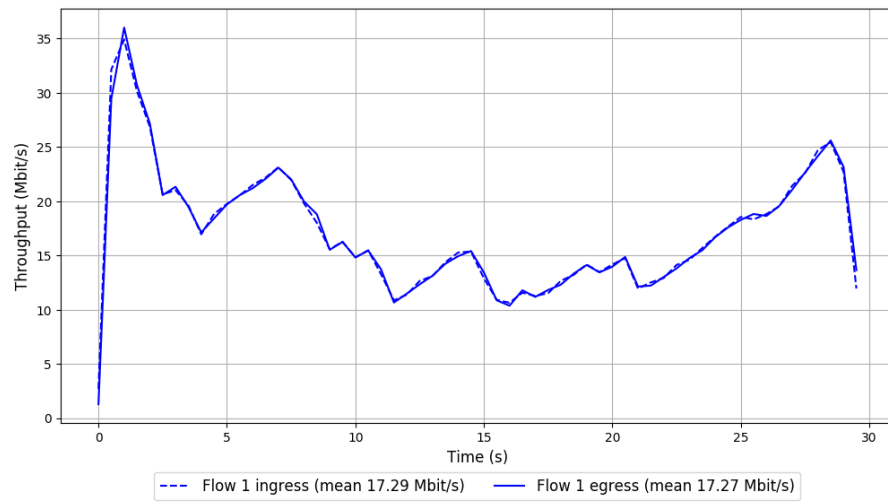
Average throughput: 17.27 Mbit/s

95th percentile per-packet one-way delay: 46.689 ms

Loss rate: 0.08%



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



Run 2: Statistics of QUIC Cubic

Start at: 2017-12-01 04:18:02

End at: 2017-12-01 04:18:32

Local clock offset: -0.251 ms

Remote clock offset: -6.515 ms

# Below is generated by plot.py at 2017-12-01 07:04:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.96 Mbit/s

95th percentile per-packet one-way delay: 46.453 ms

Loss rate: 0.28%

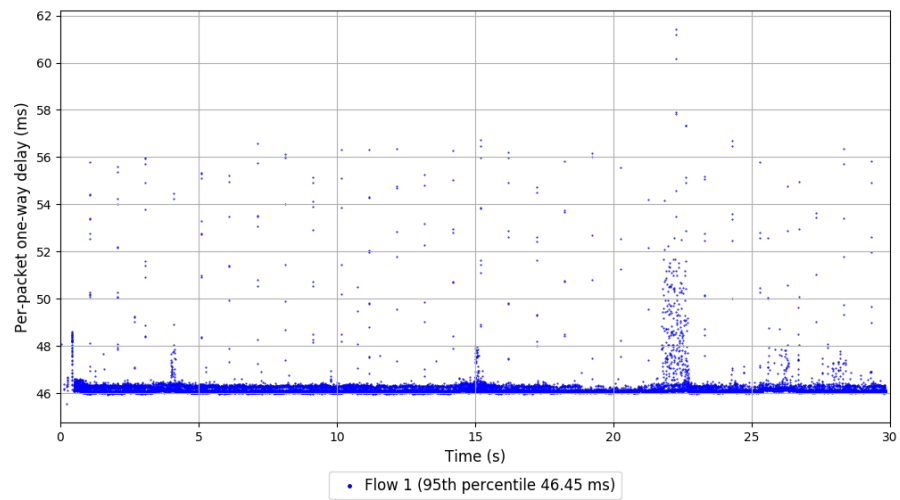
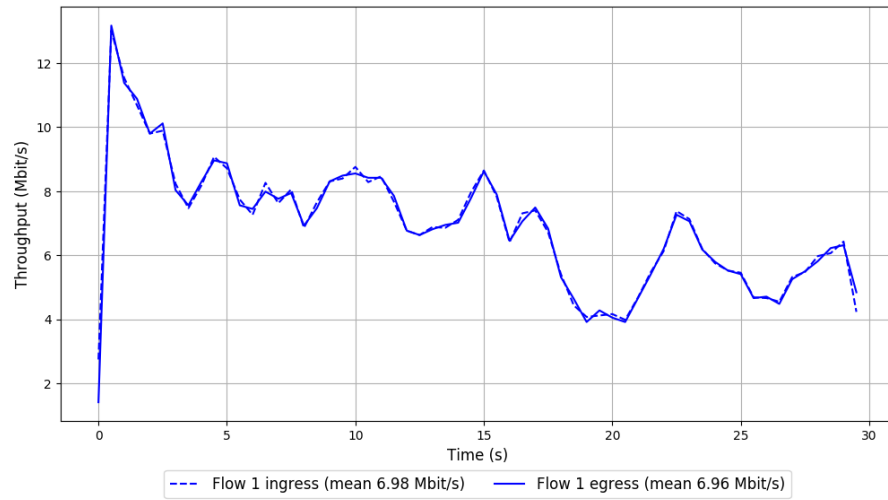
-- Flow 1:

Average throughput: 6.96 Mbit/s

95th percentile per-packet one-way delay: 46.453 ms

Loss rate: 0.28%

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



Run 3: Statistics of QUIC Cubic

Start at: 2017-12-01 04:34:33

End at: 2017-12-01 04:35:03

Local clock offset: -0.286 ms

Remote clock offset: -6.815 ms

# Below is generated by plot.py at 2017-12-01 07:04:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.91 Mbit/s

95th percentile per-packet one-way delay: 50.259 ms

Loss rate: 0.21%

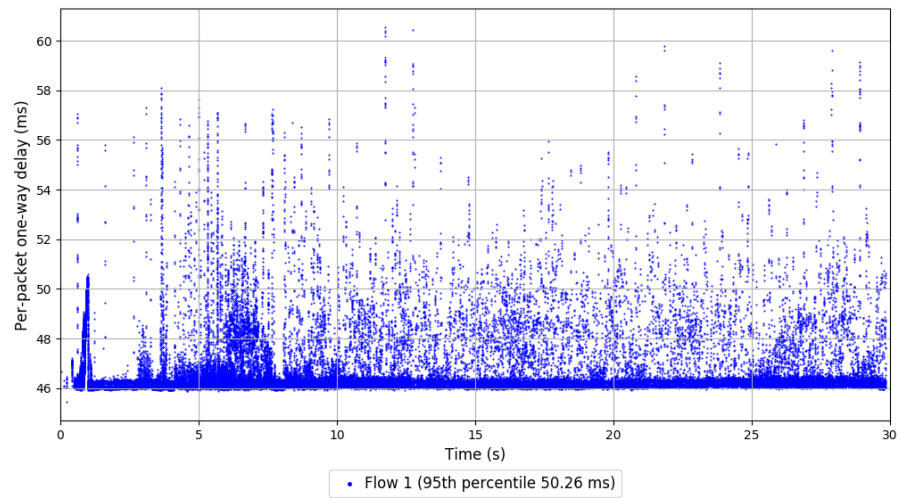
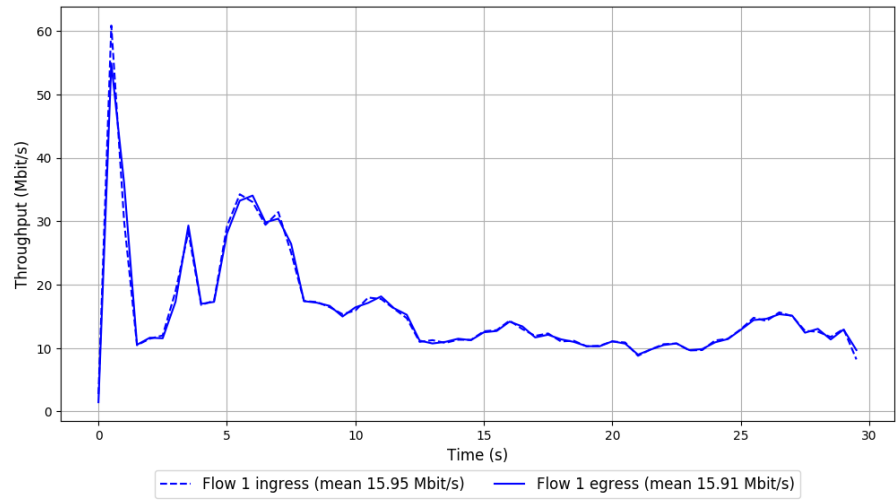
-- Flow 1:

Average throughput: 15.91 Mbit/s

95th percentile per-packet one-way delay: 50.259 ms

Loss rate: 0.21%

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

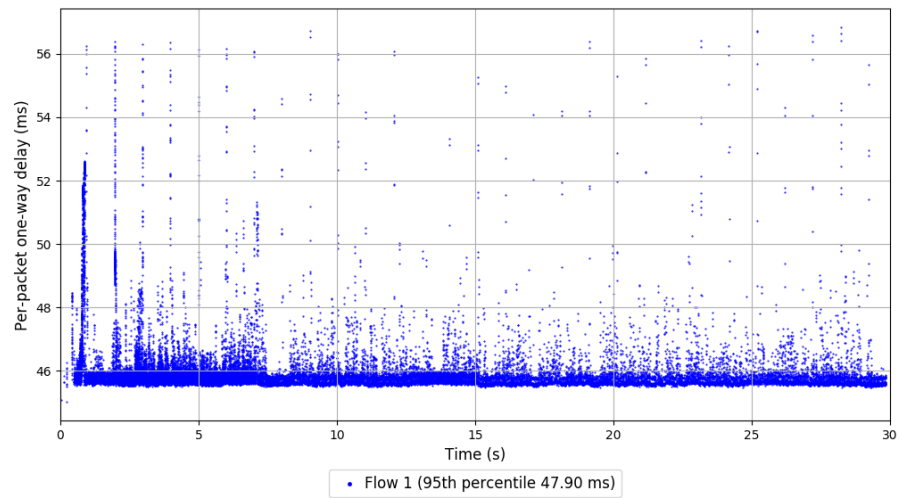
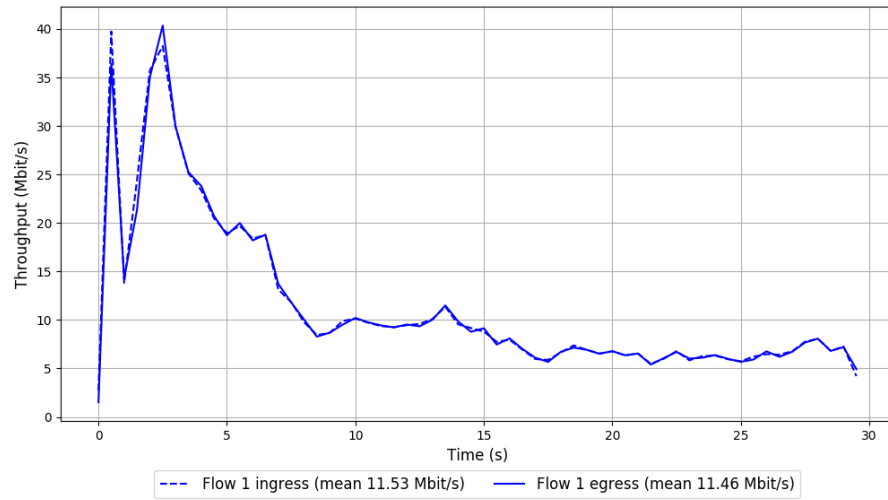


Run 4: Statistics of QUIC Cubic

Start at: 2017-12-01 04:51:18  
End at: 2017-12-01 04:51:48  
Local clock offset: -0.498 ms  
Remote clock offset: -7.229 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.46 Mbit/s  
95th percentile per-packet one-way delay: 47.900 ms  
Loss rate: 0.64%  
-- Flow 1:  
Average throughput: 11.46 Mbit/s  
95th percentile per-packet one-way delay: 47.900 ms  
Loss rate: 0.64%

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



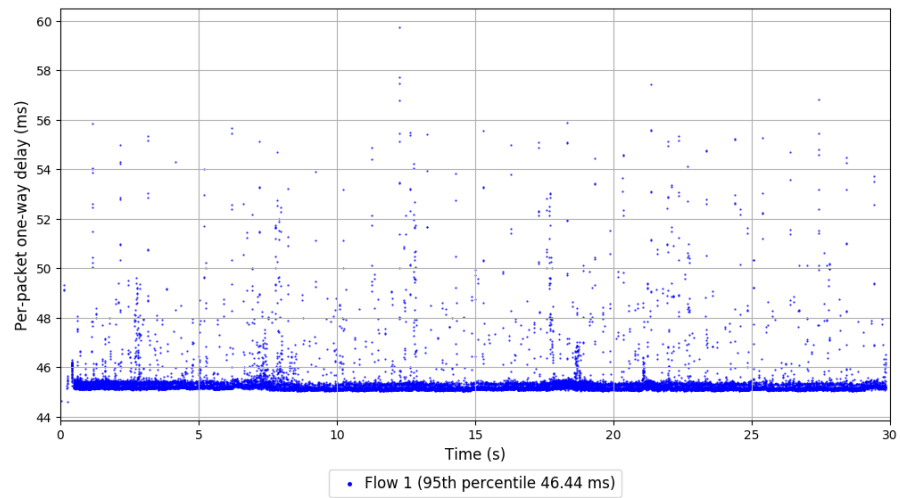
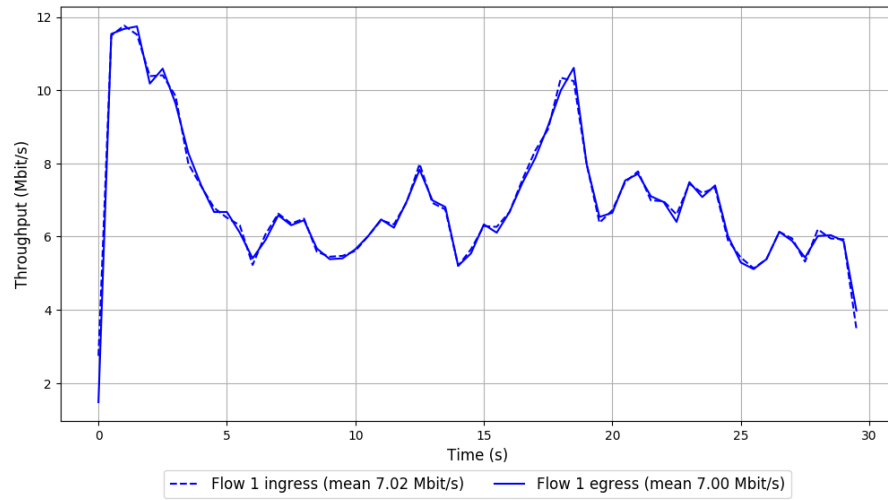
Run 5: Statistics of QUIC Cubic

Start at: 2017-12-01 05:07:55  
End at: 2017-12-01 05:08:25  
Local clock offset: -0.402 ms  
Remote clock offset: -7.734 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.00 Mbit/s  
95th percentile per-packet one-way delay: 46.443 ms  
Loss rate: 0.34%  
-- Flow 1:  
Average throughput: 7.00 Mbit/s  
95th percentile per-packet one-way delay: 46.443 ms  
Loss rate: 0.34%



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



Run 6: Statistics of QUIC Cubic

Start at: 2017-12-01 05:24:42

End at: 2017-12-01 05:25:12

Local clock offset: 0.252 ms

Remote clock offset: -8.277 ms

# Below is generated by plot.py at 2017-12-01 07:04:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.89 Mbit/s

95th percentile per-packet one-way delay: 45.613 ms

Loss rate: 0.40%

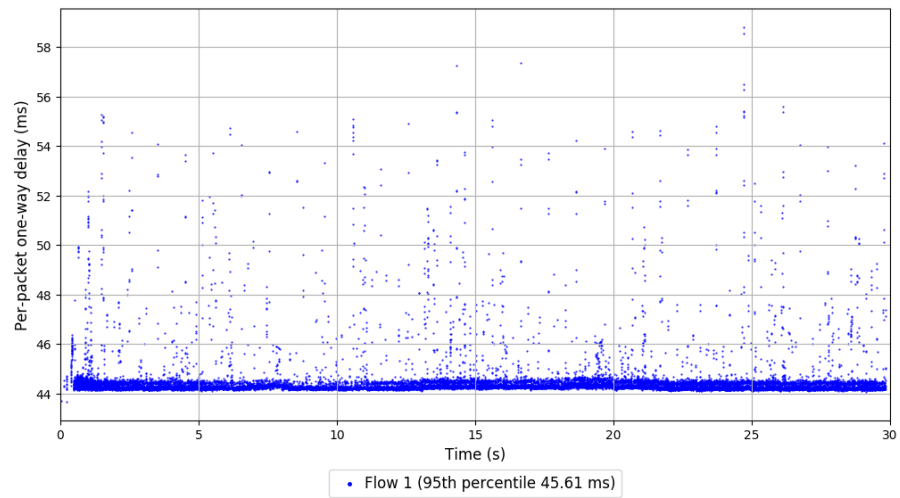
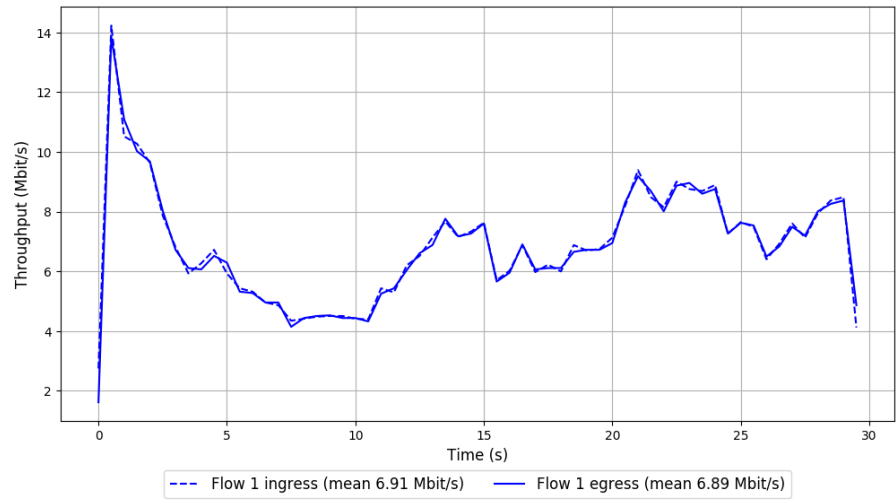
-- Flow 1:

Average throughput: 6.89 Mbit/s

95th percentile per-packet one-way delay: 45.613 ms

Loss rate: 0.40%

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

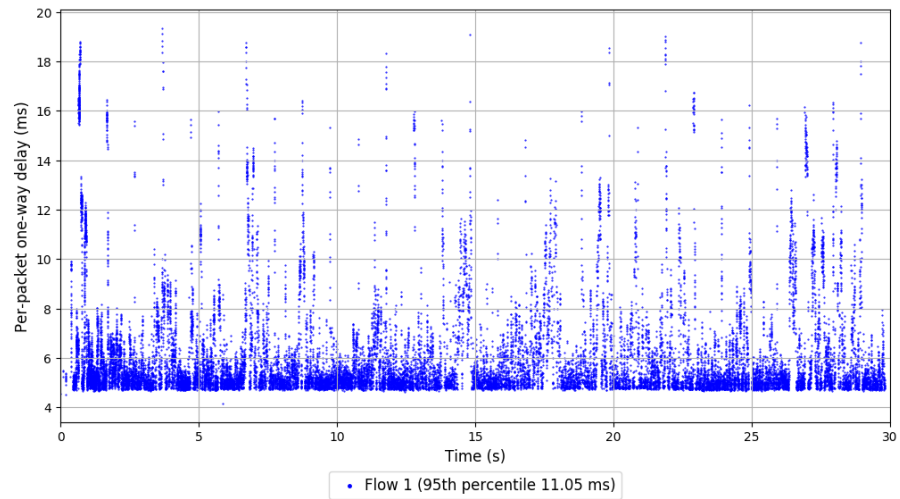
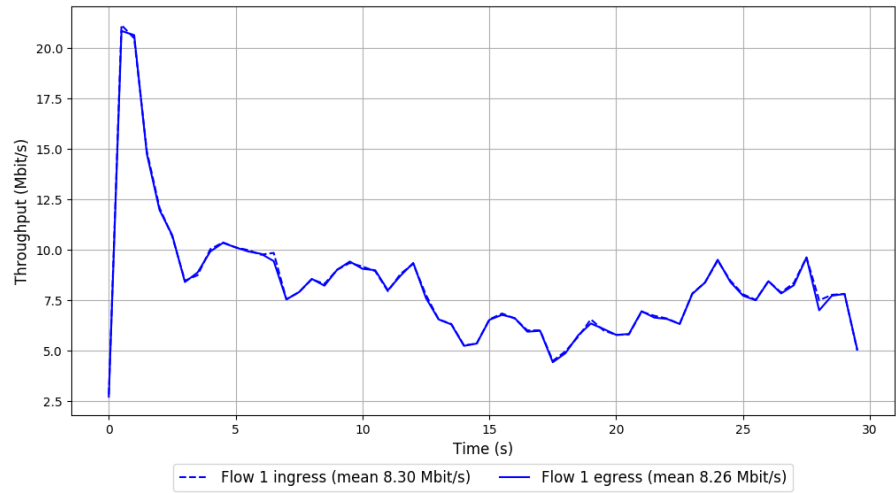


Run 7: Statistics of QUIC Cubic

Start at: 2017-12-01 05:41:43  
End at: 2017-12-01 05:42:13  
Local clock offset: 0.616 ms  
Remote clock offset: -46.974 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.26 Mbit/s  
95th percentile per-packet one-way delay: 11.051 ms  
Loss rate: 0.49%  
-- Flow 1:  
Average throughput: 8.26 Mbit/s  
95th percentile per-packet one-way delay: 11.051 ms  
Loss rate: 0.49%

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

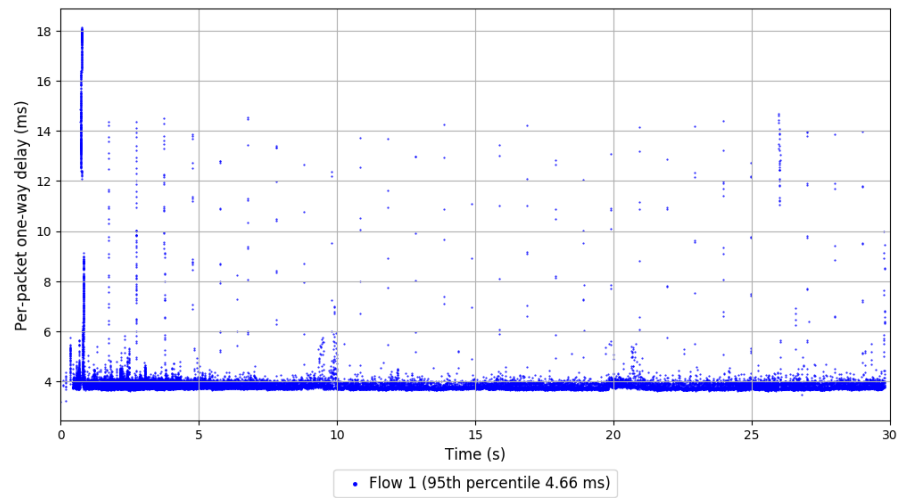
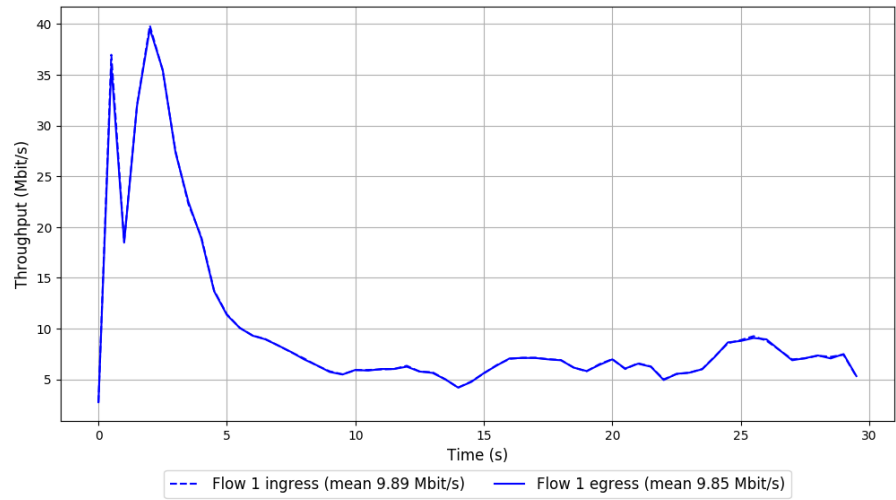


Run 8: Statistics of QUIC Cubic

Start at: 2017-12-01 05:58:26  
End at: 2017-12-01 05:58:56  
Local clock offset: 1.242 ms  
Remote clock offset: -47.082 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.85 Mbit/s  
95th percentile per-packet one-way delay: 4.661 ms  
Loss rate: 0.41%  
-- Flow 1:  
Average throughput: 9.85 Mbit/s  
95th percentile per-packet one-way delay: 4.661 ms  
Loss rate: 0.41%

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



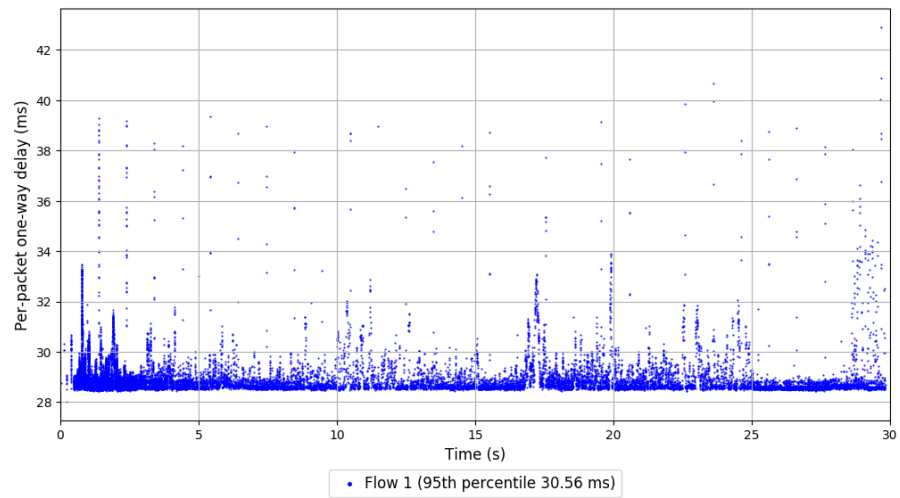
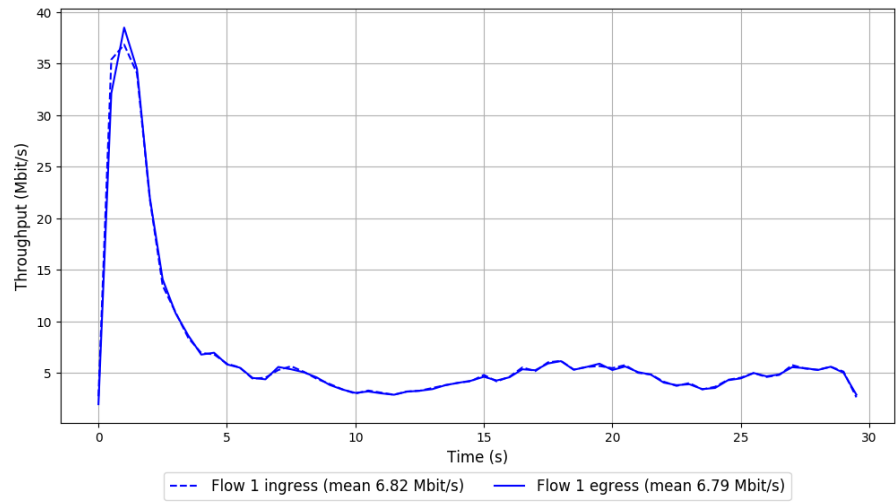
Run 9: Statistics of QUIC Cubic

Start at: 2017-12-01 06:17:18  
End at: 2017-12-01 06:17:48  
Local clock offset: 1.612 ms  
Remote clock offset: -21.267 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.79 Mbit/s  
95th percentile per-packet one-way delay: 30.557 ms  
Loss rate: 0.53%  
-- Flow 1:  
Average throughput: 6.79 Mbit/s  
95th percentile per-packet one-way delay: 30.557 ms  
Loss rate: 0.53%



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



Run 10: Statistics of QUIC Cubic

Start at: 2017-12-01 06:34:12

End at: 2017-12-01 06:34:42

Local clock offset: 2.053 ms

Remote clock offset: -13.496 ms

# Below is generated by plot.py at 2017-12-01 07:04:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.72 Mbit/s

95th percentile per-packet one-way delay: 36.502 ms

Loss rate: 0.44%

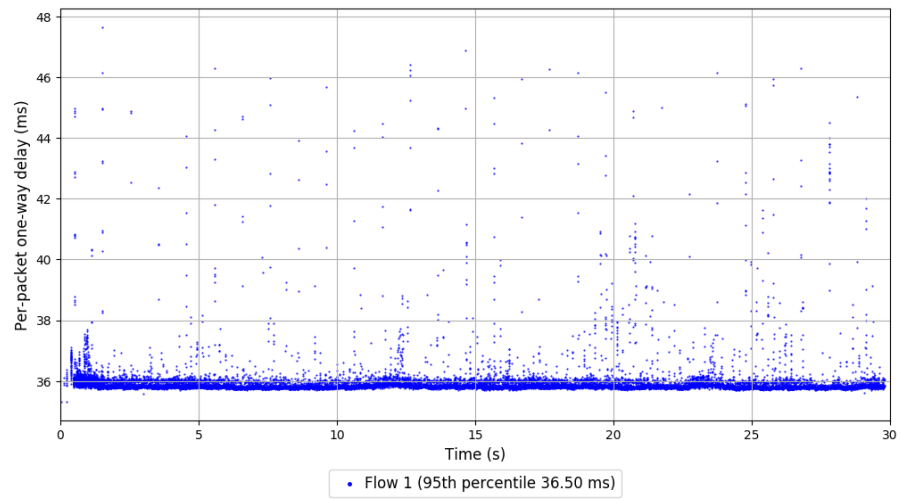
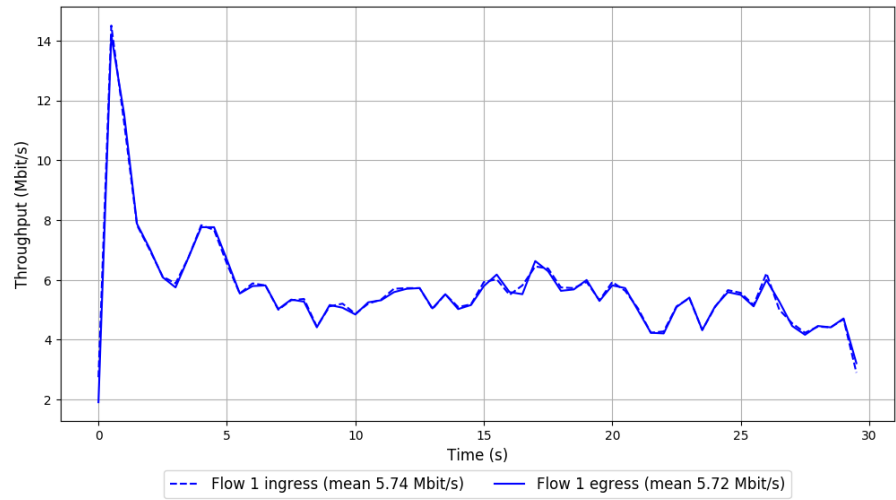
-- Flow 1:

Average throughput: 5.72 Mbit/s

95th percentile per-packet one-way delay: 36.502 ms

Loss rate: 0.44%

# Run 10: Report of QUIC Cubic — Data Link

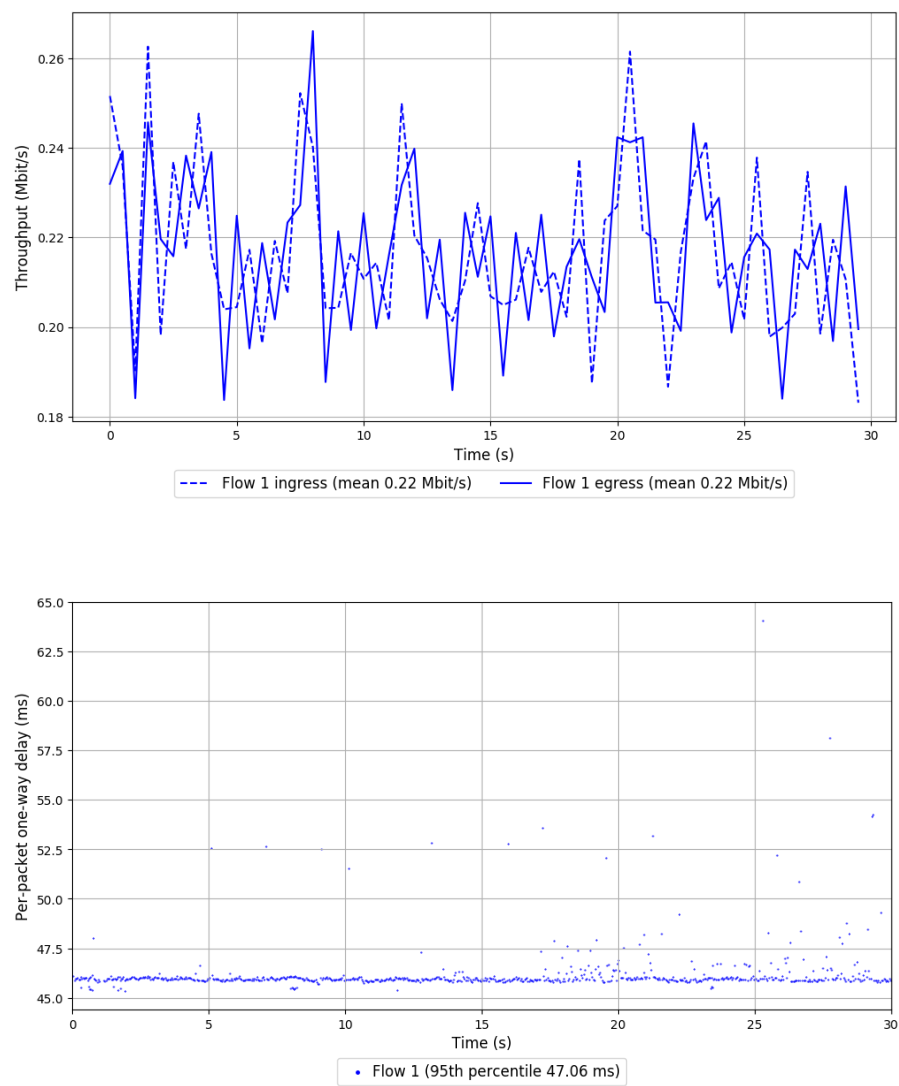


Run 1: Statistics of SCReAM

Start at: 2017-12-01 04:04:52  
End at: 2017-12-01 04:05:22  
Local clock offset: -0.31 ms  
Remote clock offset: -6.264 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 47.060 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 47.060 ms  
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

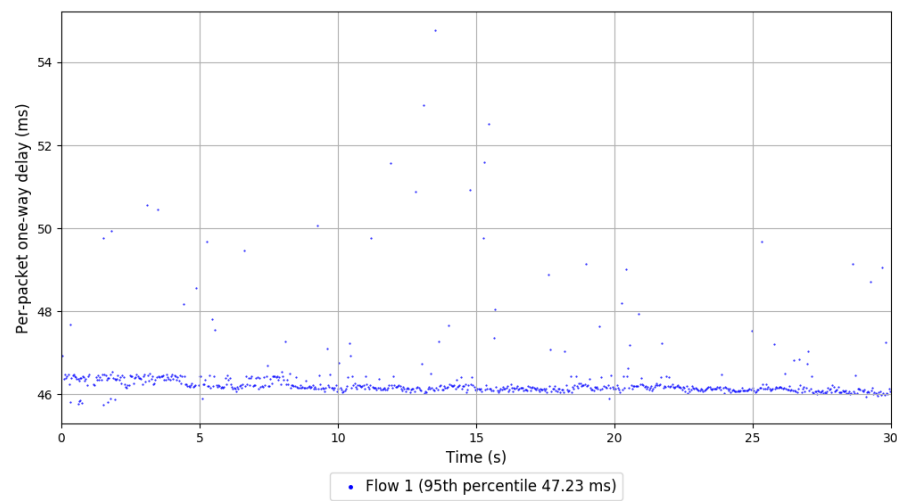
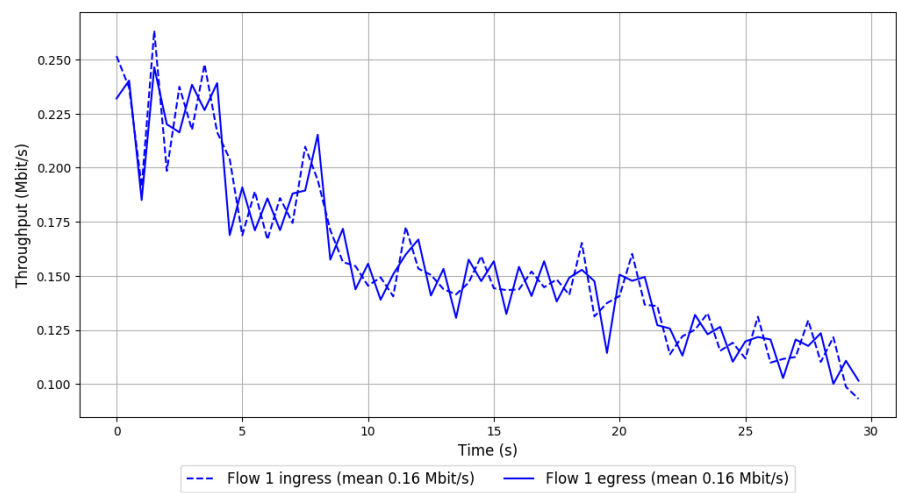


Run 2: Statistics of SCReAM

Start at: 2017-12-01 04:21:36  
End at: 2017-12-01 04:22:06  
Local clock offset: -0.41 ms  
Remote clock offset: -6.588 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.16 Mbit/s  
95th percentile per-packet one-way delay: 47.229 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 0.16 Mbit/s  
95th percentile per-packet one-way delay: 47.229 ms  
Loss rate: 0.38%

Run 2: Report of SReAM — Data Link



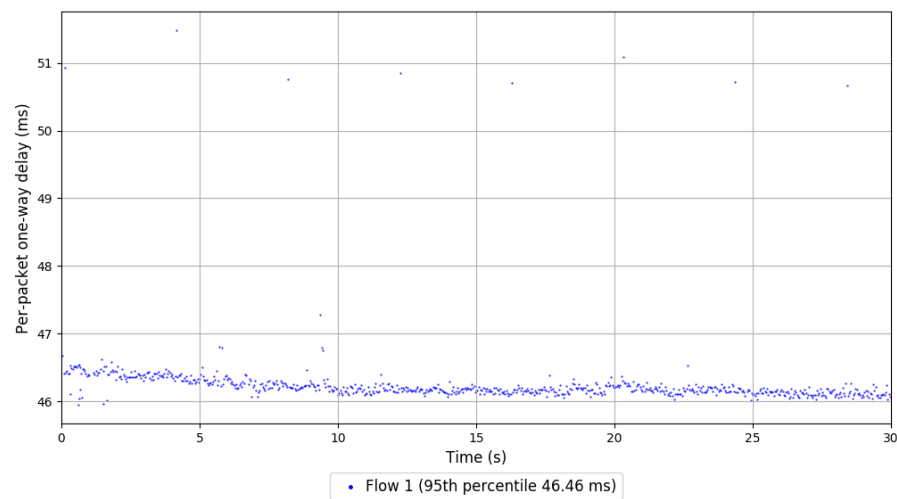
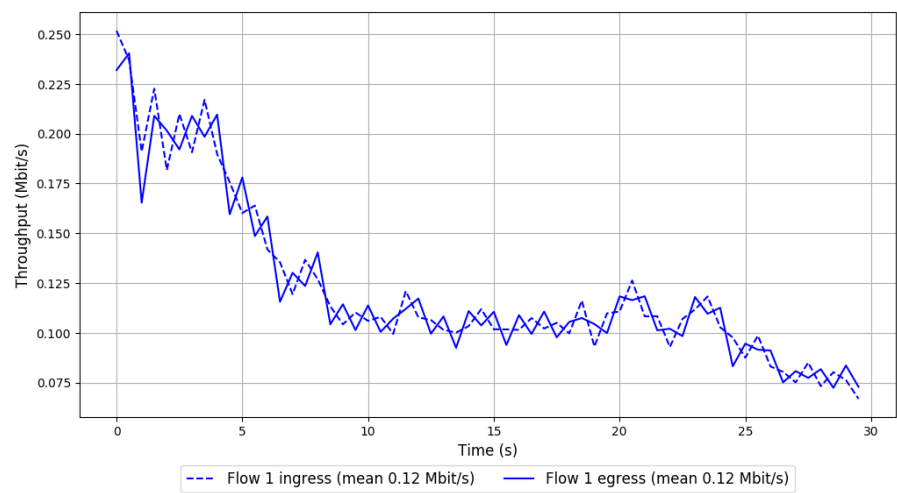
Run 3: Statistics of SCReAM

Start at: 2017-12-01 04:38:15  
End at: 2017-12-01 04:38:45  
Local clock offset: -0.542 ms  
Remote clock offset: -6.756 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.12 Mbit/s  
95th percentile per-packet one-way delay: 46.462 ms  
Loss rate: 0.52%  
-- Flow 1:  
Average throughput: 0.12 Mbit/s  
95th percentile per-packet one-way delay: 46.462 ms  
Loss rate: 0.52%



Run 3: Report of SReAM — Data Link

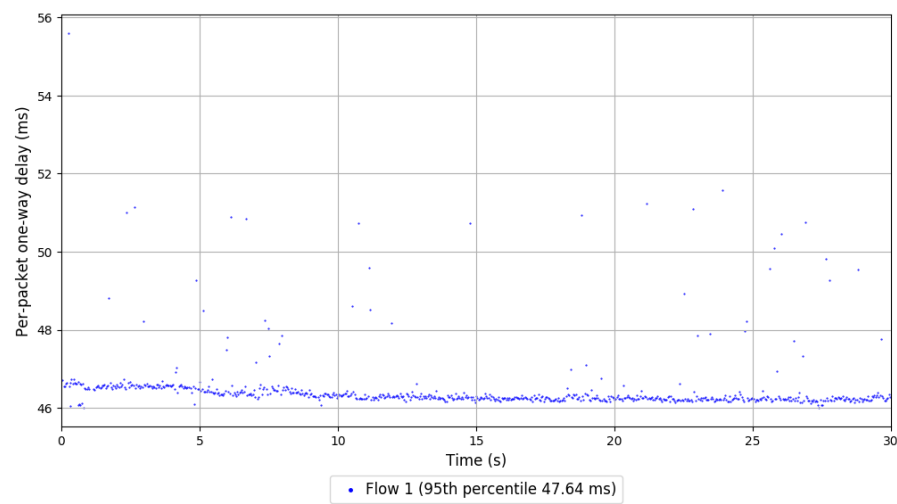
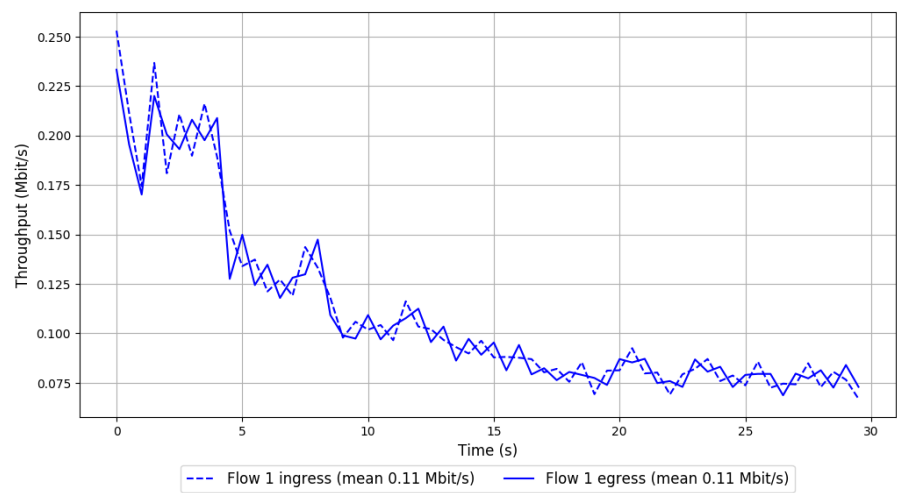


Run 4: Statistics of SCReAM

Start at: 2017-12-01 04:54:52  
End at: 2017-12-01 04:55:22  
Local clock offset: -0.42 ms  
Remote clock offset: -6.535 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.11 Mbit/s  
95th percentile per-packet one-way delay: 47.644 ms  
Loss rate: 0.74%  
-- Flow 1:  
Average throughput: 0.11 Mbit/s  
95th percentile per-packet one-way delay: 47.644 ms  
Loss rate: 0.74%

Run 4: Report of SReAM — Data Link

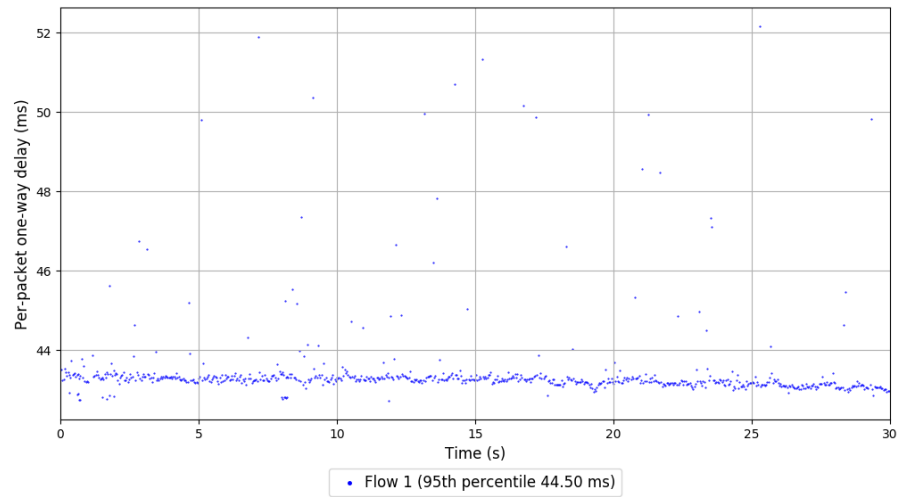
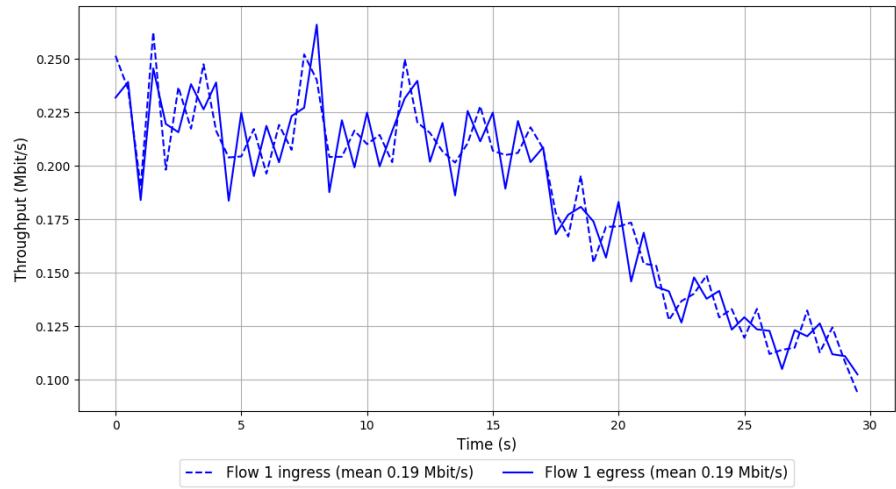


Run 5: Statistics of SCReAM

Start at: 2017-12-01 05:11:35  
End at: 2017-12-01 05:12:05  
Local clock offset: -0.105 ms  
Remote clock offset: -9.808 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.19 Mbit/s  
95th percentile per-packet one-way delay: 44.504 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 0.19 Mbit/s  
95th percentile per-packet one-way delay: 44.504 ms  
Loss rate: 0.37%

## Run 5: Report of SReAM — Data Link

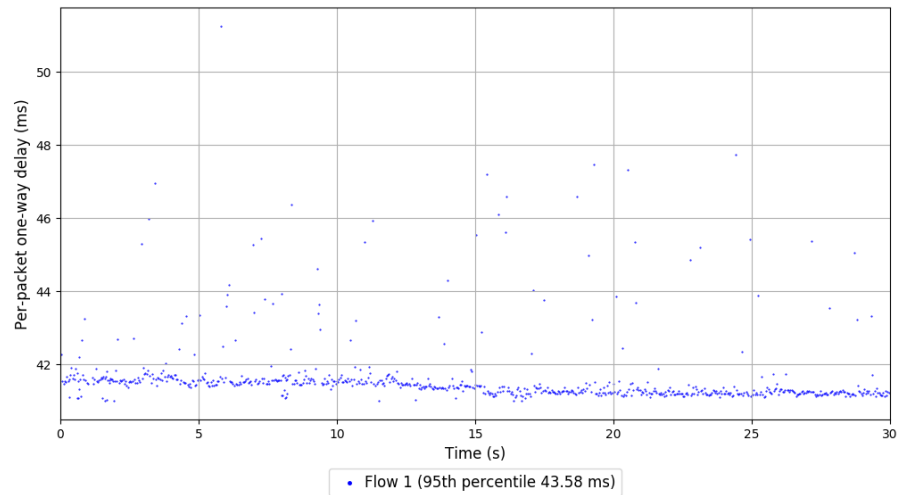
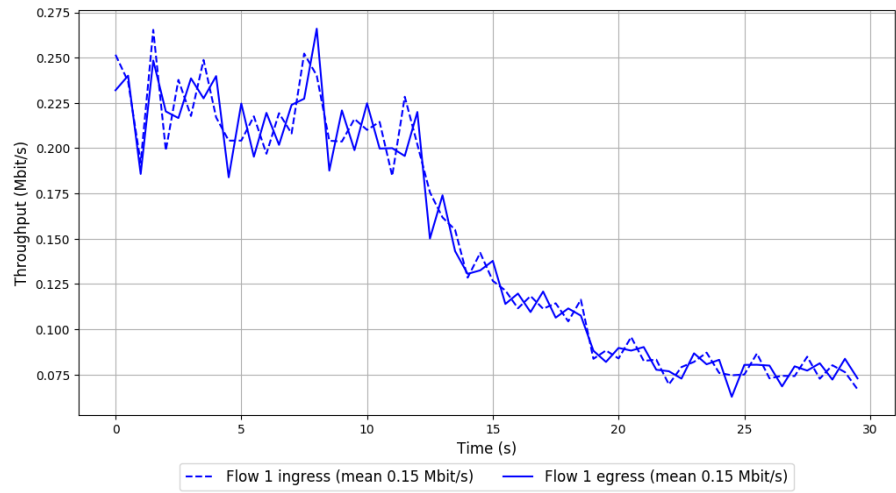


Run 6: Statistics of SCReAM

Start at: 2017-12-01 05:28:24  
End at: 2017-12-01 05:28:54  
Local clock offset: 0.346 ms  
Remote clock offset: -10.851 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.15 Mbit/s  
95th percentile per-packet one-way delay: 43.579 ms  
Loss rate: 0.65%  
-- Flow 1:  
Average throughput: 0.15 Mbit/s  
95th percentile per-packet one-way delay: 43.579 ms  
Loss rate: 0.65%

## Run 6: Report of SReAM — Data Link



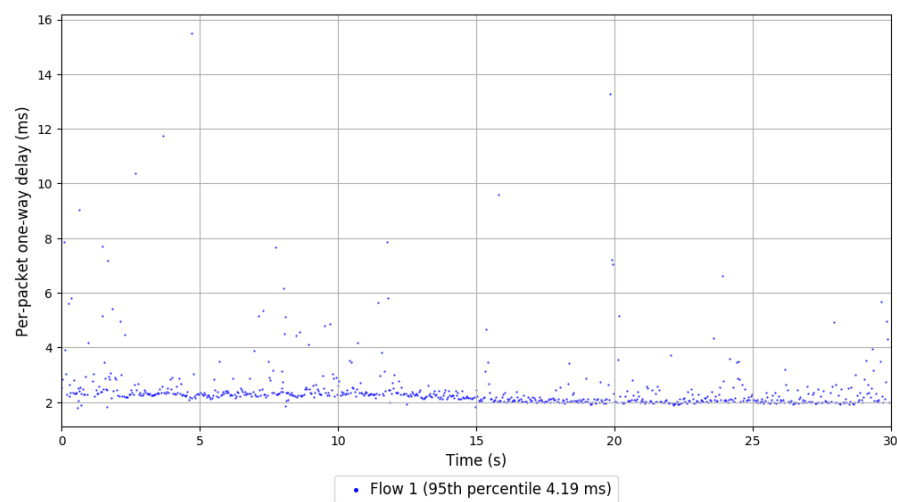
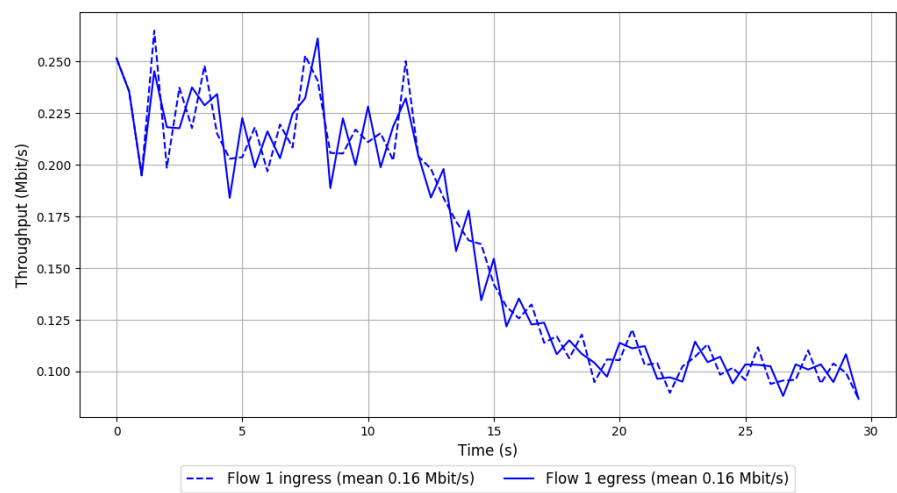
Run 7: Statistics of SCReAM

Start at: 2017-12-01 05:45:22  
End at: 2017-12-01 05:45:52  
Local clock offset: 0.702 ms  
Remote clock offset: -49.243 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.16 Mbit/s  
95th percentile per-packet one-way delay: 4.191 ms  
Loss rate: 0.34%  
-- Flow 1:  
Average throughput: 0.16 Mbit/s  
95th percentile per-packet one-way delay: 4.191 ms  
Loss rate: 0.34%



Run 7: Report of SReAM — Data Link

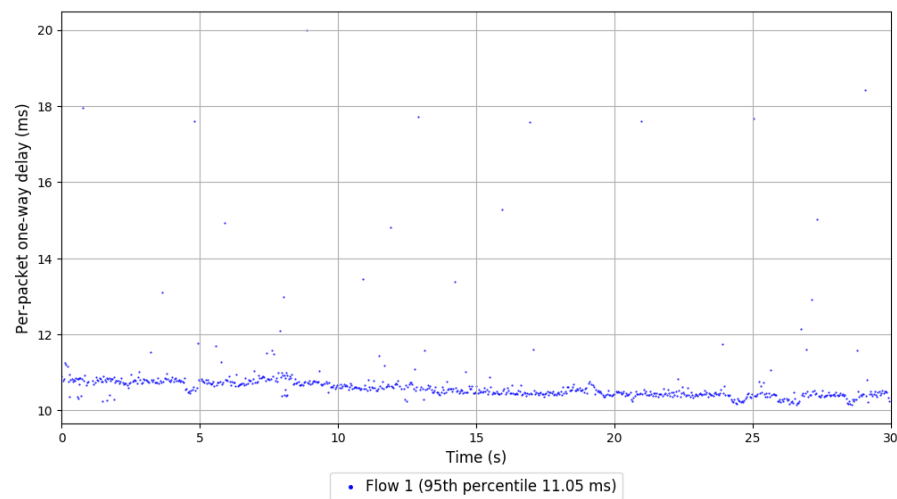
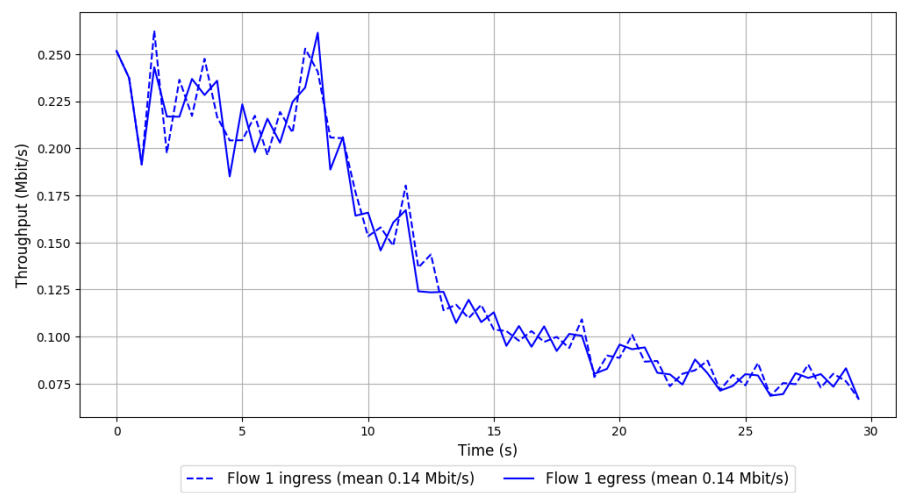


Run 8: Statistics of SCReAM

Start at: 2017-12-01 06:02:05  
End at: 2017-12-01 06:02:35  
Local clock offset: 1.297 ms  
Remote clock offset: -39.717 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.14 Mbit/s  
95th percentile per-packet one-way delay: 11.049 ms  
Loss rate: 0.88%  
-- Flow 1:  
Average throughput: 0.14 Mbit/s  
95th percentile per-packet one-way delay: 11.049 ms  
Loss rate: 0.88%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2017-12-01 06:20:55

End at: 2017-12-01 06:21:25

Local clock offset: 1.551 ms

Remote clock offset: -7.69 ms

# Below is generated by plot.py at 2017-12-01 07:04:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 42.569 ms

Loss rate: 0.72%

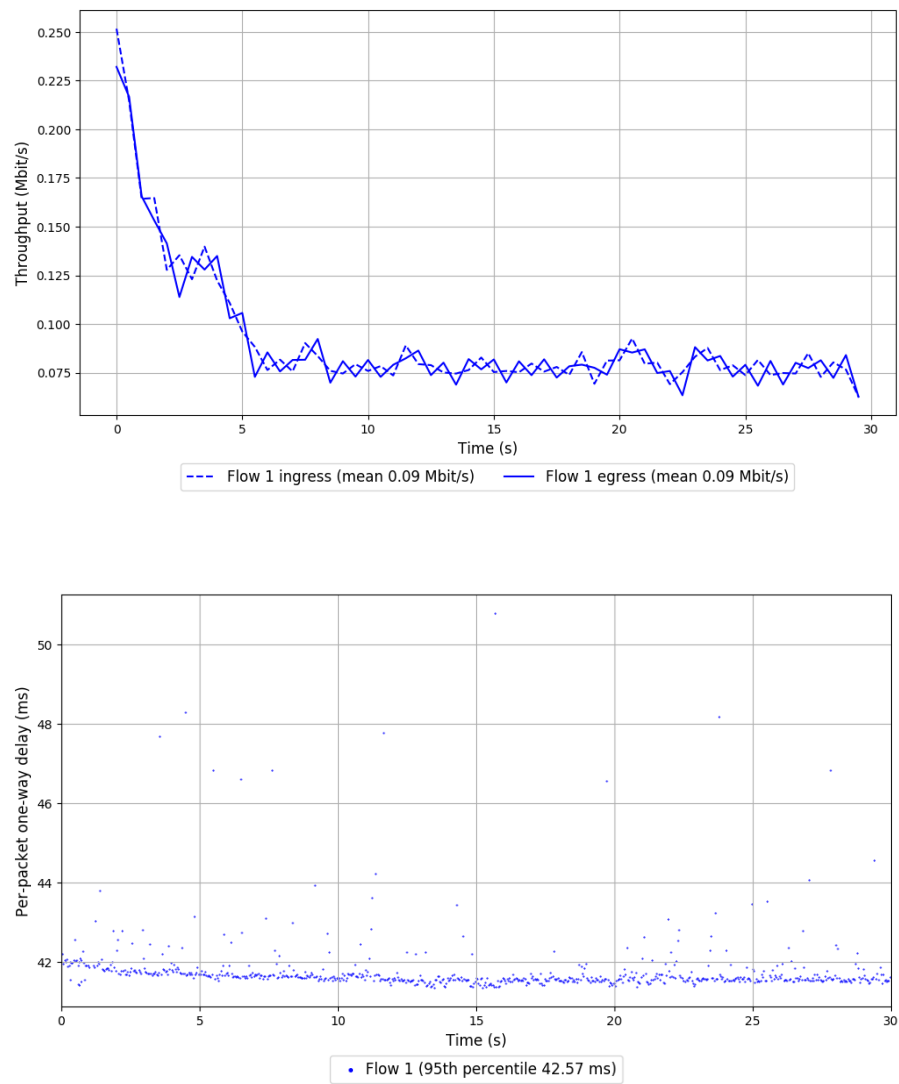
-- Flow 1:

Average throughput: 0.09 Mbit/s

95th percentile per-packet one-way delay: 42.569 ms

Loss rate: 0.72%

Run 9: Report of SReAM — Data Link

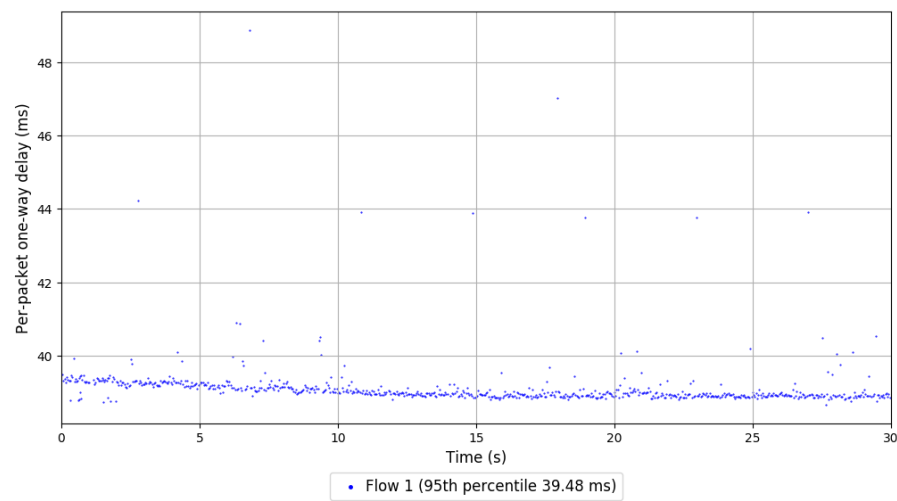
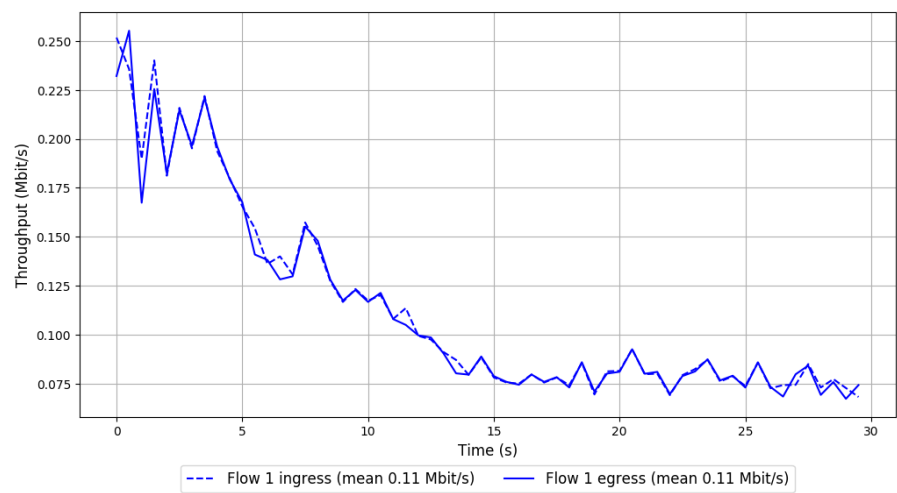


Run 10: Statistics of SCReAM

Start at: 2017-12-01 06:37:56  
End at: 2017-12-01 06:38:26  
Local clock offset: 2.029 ms  
Remote clock offset: -10.385 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.11 Mbit/s  
95th percentile per-packet one-way delay: 39.480 ms  
Loss rate: 1.09%  
-- Flow 1:  
Average throughput: 0.11 Mbit/s  
95th percentile per-packet one-way delay: 39.480 ms  
Loss rate: 1.09%

Run 10: Report of SReAM — Data Link



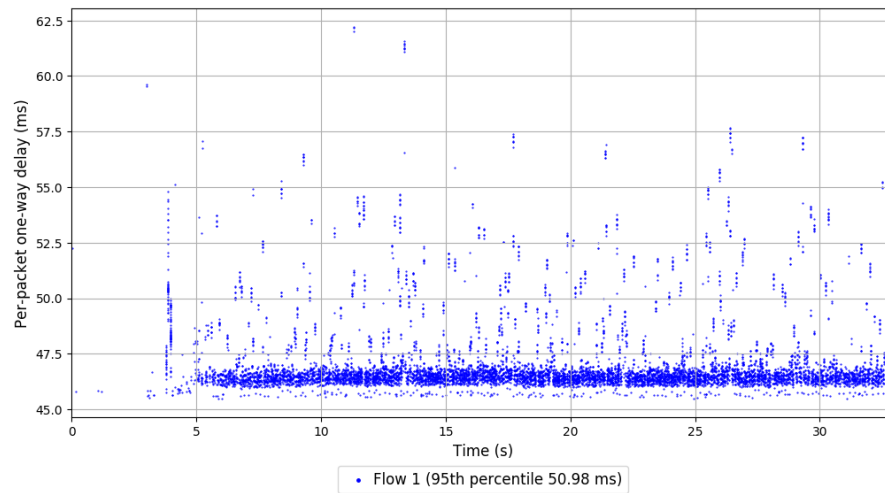
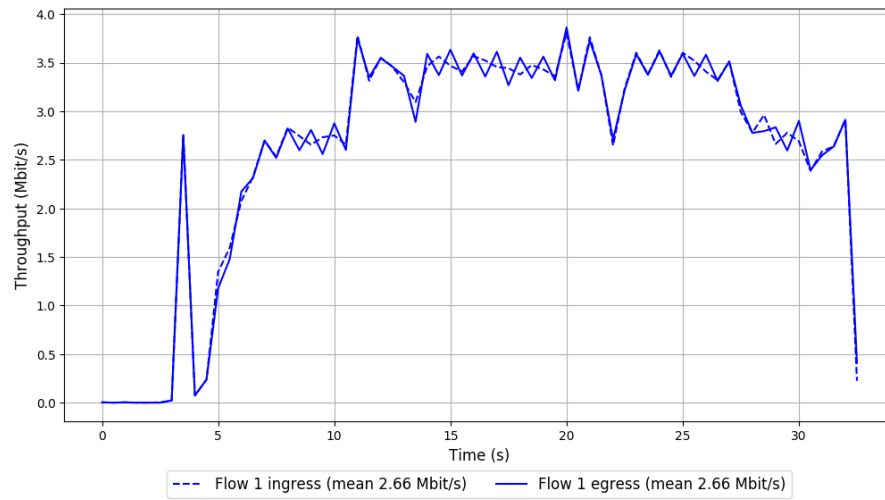
Run 1: Statistics of WebRTC media

Start at: 2017-12-01 03:57:47  
End at: 2017-12-01 03:58:17  
Local clock offset: -0.294 ms  
Remote clock offset: -6.235 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.66 Mbit/s  
95th percentile per-packet one-way delay: 50.981 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 2.66 Mbit/s  
95th percentile per-packet one-way delay: 50.981 ms  
Loss rate: 0.08%



### Run 1: Report of WebRTC media — Data Link

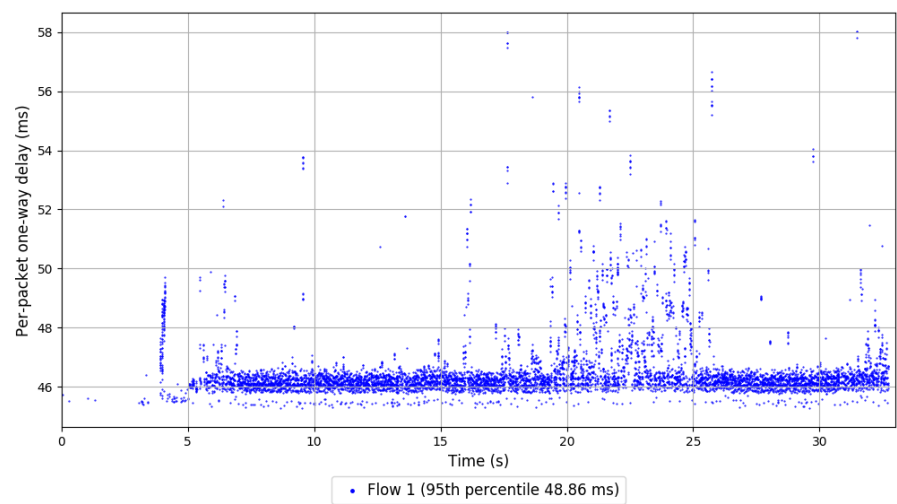
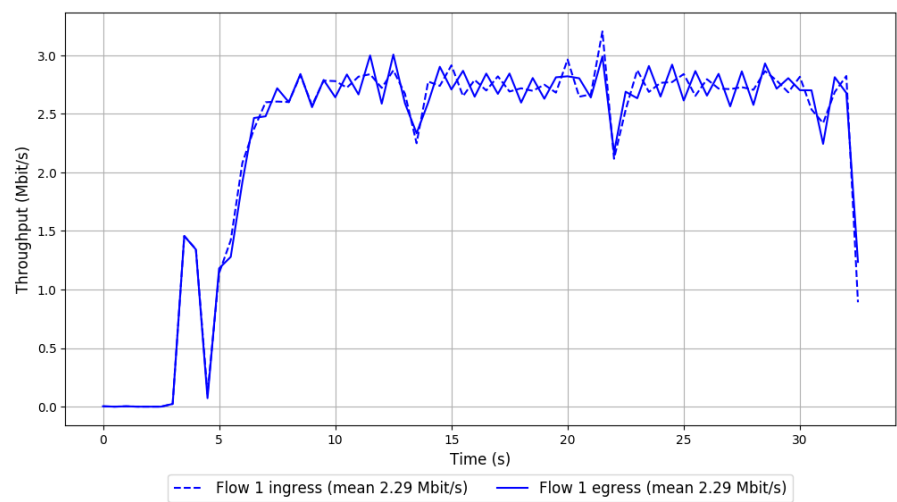


Run 2: Statistics of WebRTC media

Start at: 2017-12-01 04:14:26  
End at: 2017-12-01 04:14:56  
Local clock offset: -0.344 ms  
Remote clock offset: -6.358 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.29 Mbit/s  
95th percentile per-packet one-way delay: 48.859 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 2.29 Mbit/s  
95th percentile per-packet one-way delay: 48.859 ms  
Loss rate: 0.06%

Run 2: Report of WebRTC media — Data Link

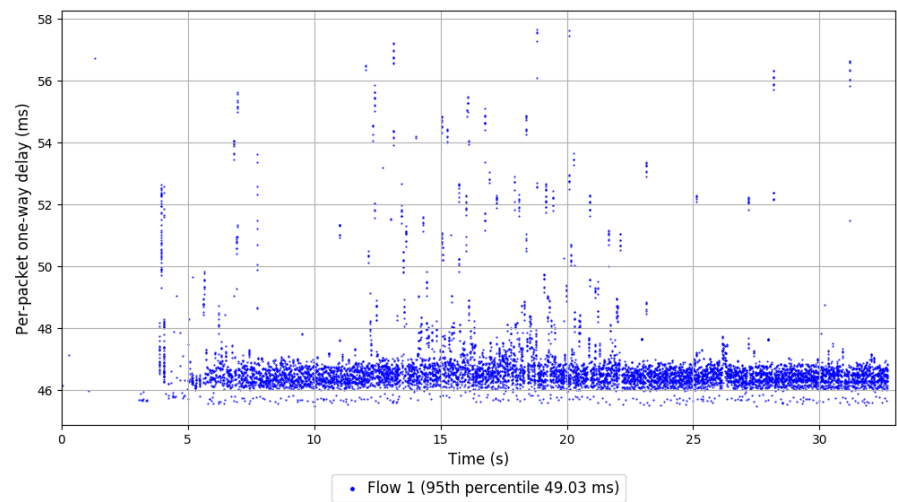
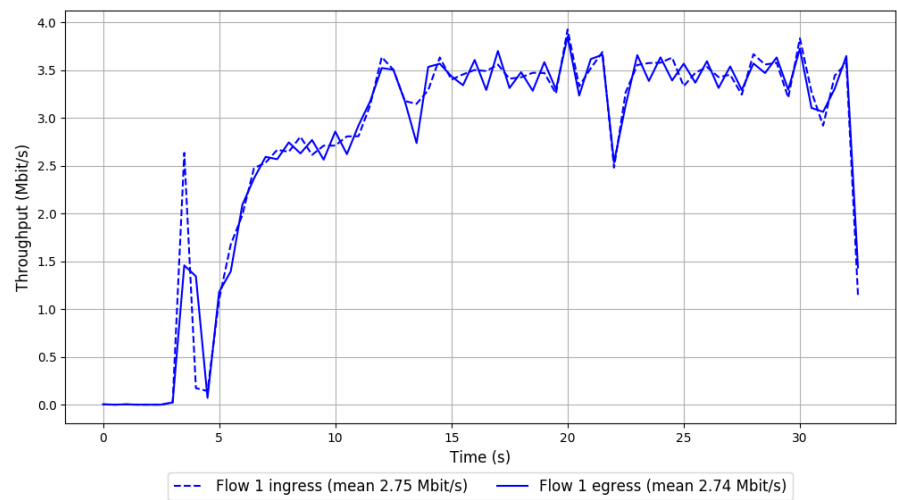


Run 3: Statistics of WebRTC media

Start at: 2017-12-01 04:31:01  
End at: 2017-12-01 04:31:31  
Local clock offset: -0.392 ms  
Remote clock offset: -6.771 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.74 Mbit/s  
95th percentile per-packet one-way delay: 49.029 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 2.74 Mbit/s  
95th percentile per-packet one-way delay: 49.029 ms  
Loss rate: 0.51%

Run 3: Report of WebRTC media — Data Link

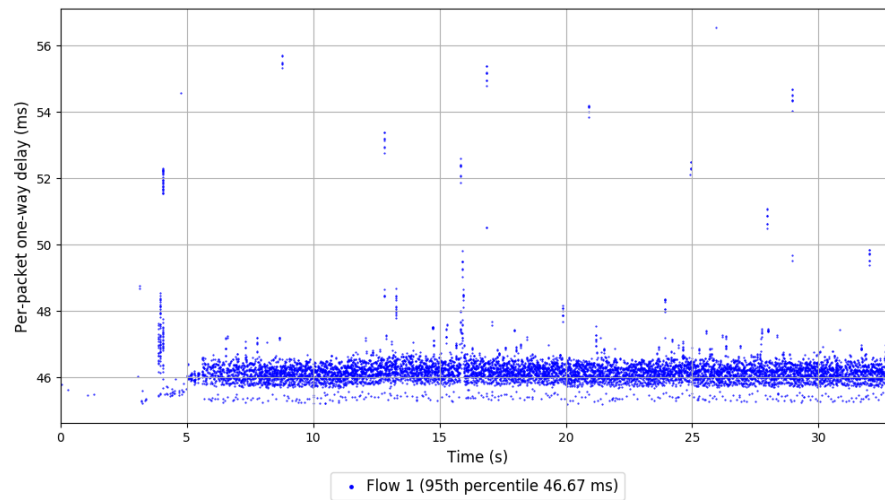
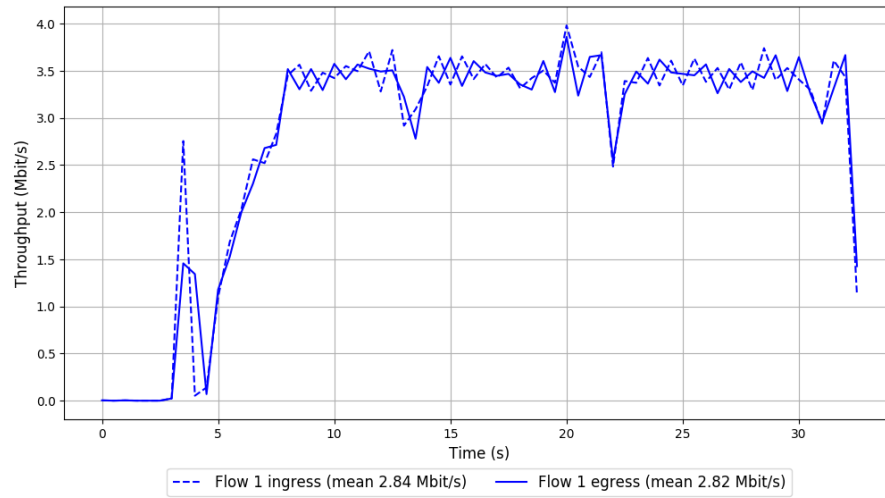


Run 4: Statistics of WebRTC media

Start at: 2017-12-01 04:47:46  
End at: 2017-12-01 04:48:16  
Local clock offset: -0.43 ms  
Remote clock offset: -6.879 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.82 Mbit/s  
95th percentile per-packet one-way delay: 46.668 ms  
Loss rate: 0.49%  
-- Flow 1:  
Average throughput: 2.82 Mbit/s  
95th percentile per-packet one-way delay: 46.668 ms  
Loss rate: 0.49%

#### Run 4: Report of WebRTC media — Data Link



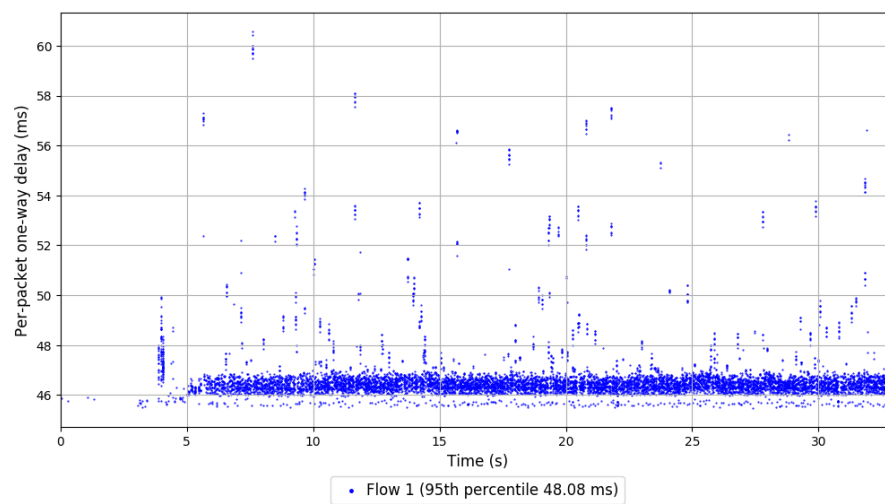
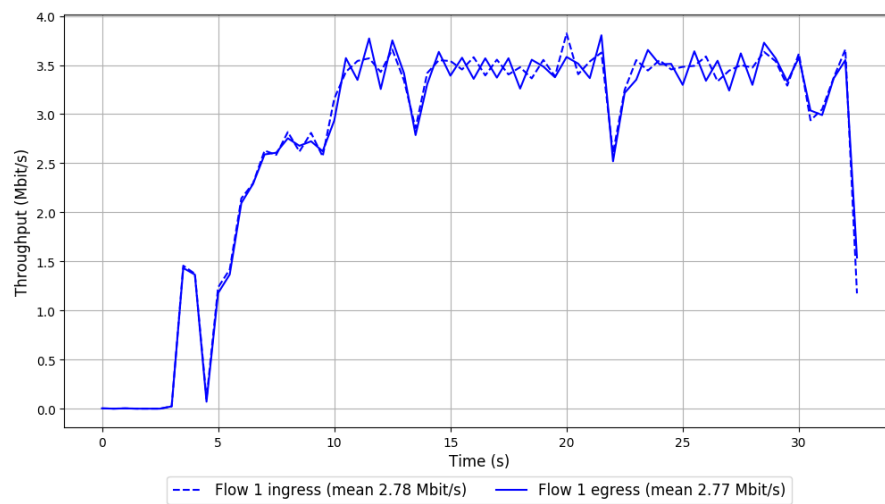
Run 5: Statistics of WebRTC media

Start at: 2017-12-01 05:04:22  
End at: 2017-12-01 05:04:52  
Local clock offset: -0.614 ms  
Remote clock offset: -6.837 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.77 Mbit/s  
95th percentile per-packet one-way delay: 48.082 ms  
Loss rate: 0.44%  
-- Flow 1:  
Average throughput: 2.77 Mbit/s  
95th percentile per-packet one-way delay: 48.082 ms  
Loss rate: 0.44%



### Run 5: Report of WebRTC media — Data Link

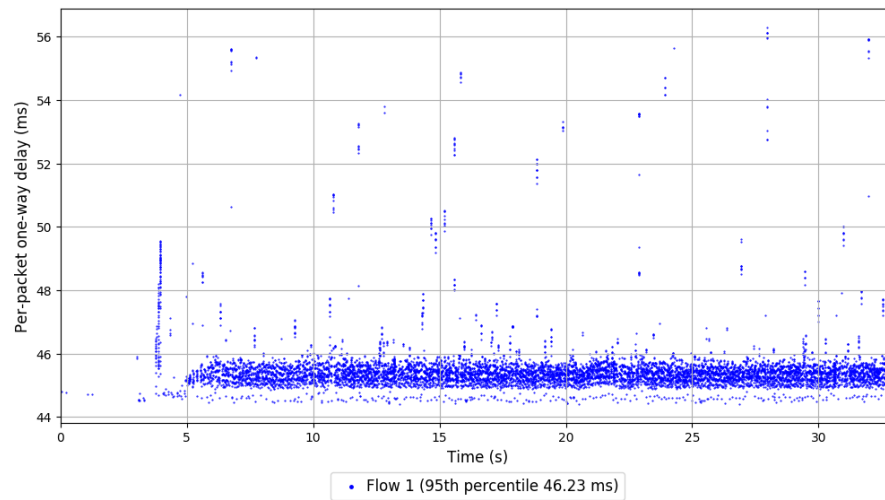
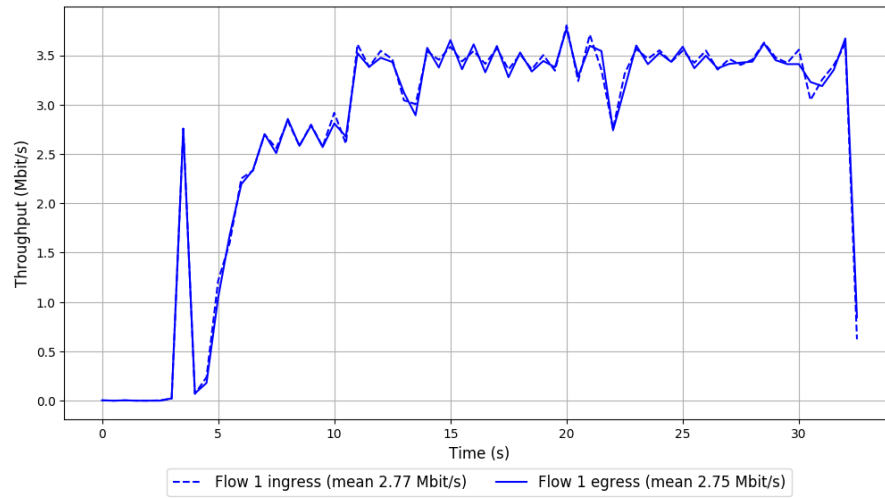


Run 6: Statistics of WebRTC media

Start at: 2017-12-01 05:21:11  
End at: 2017-12-01 05:21:41  
Local clock offset: 0.049 ms  
Remote clock offset: -7.734 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.75 Mbit/s  
95th percentile per-packet one-way delay: 46.234 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 2.75 Mbit/s  
95th percentile per-packet one-way delay: 46.234 ms  
Loss rate: 0.40%

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

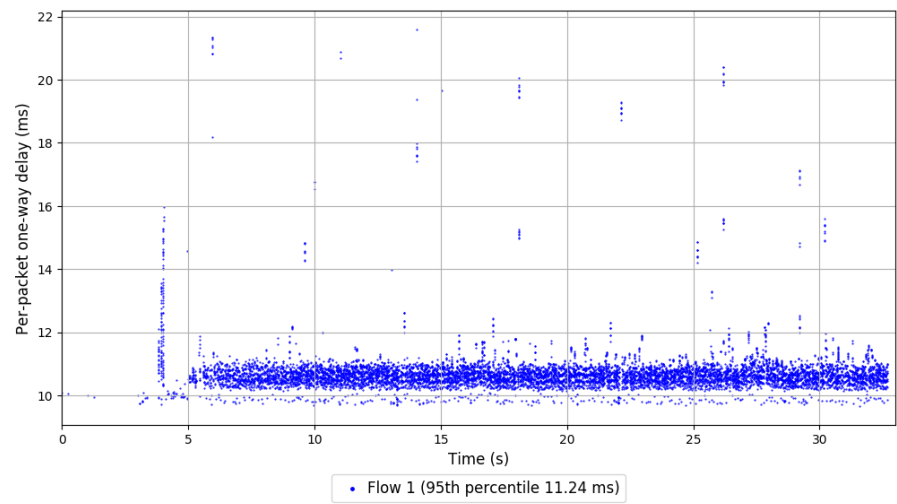
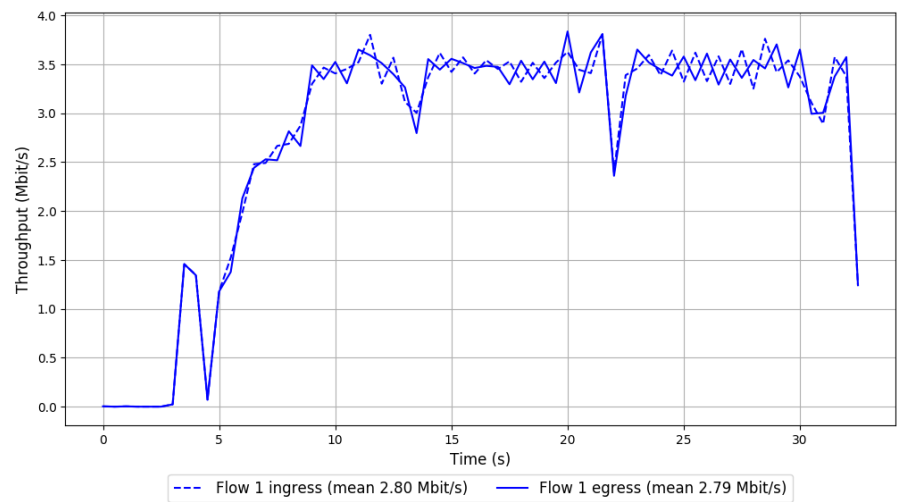


Run 7: Statistics of WebRTC media

Start at: 2017-12-01 05:38:13  
End at: 2017-12-01 05:38:43  
Local clock offset: 0.465 ms  
Remote clock offset: -41.904 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.79 Mbit/s  
95th percentile per-packet one-way delay: 11.238 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 2.79 Mbit/s  
95th percentile per-packet one-way delay: 11.238 ms  
Loss rate: 0.19%

Run 7: Report of WebRTC media — Data Link

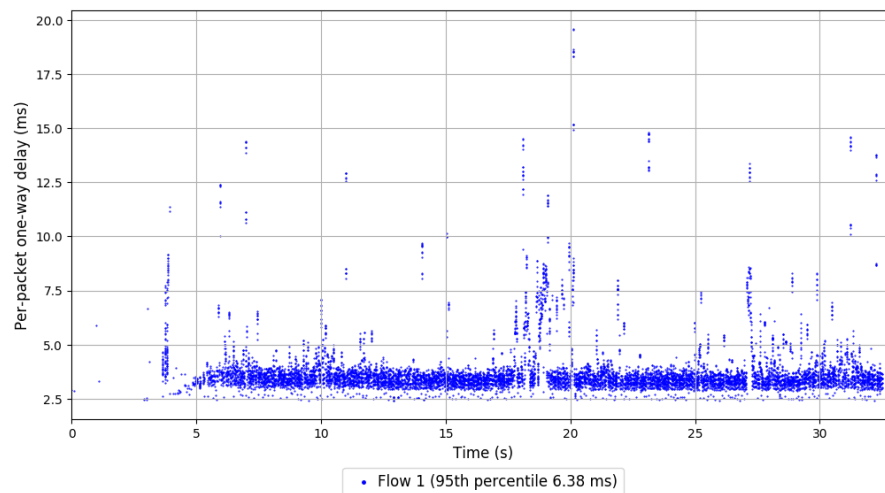
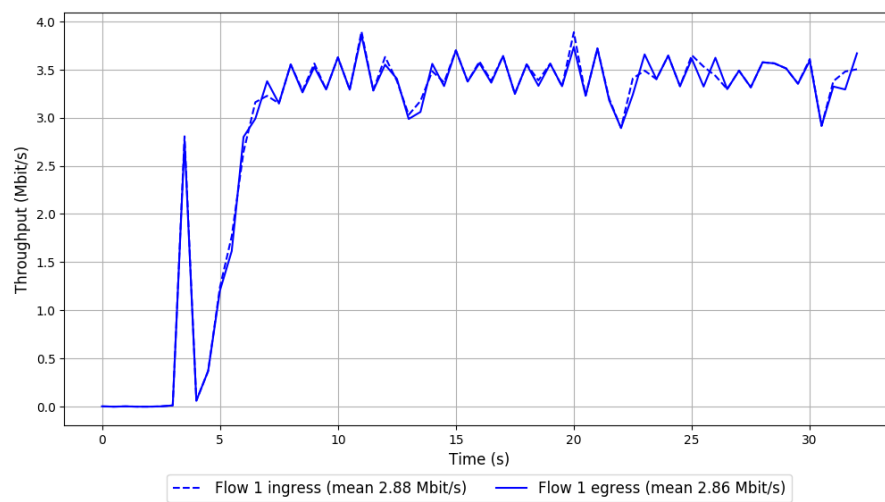


Run 8: Statistics of WebRTC media

Start at: 2017-12-01 05:54:55  
End at: 2017-12-01 05:55:25  
Local clock offset: 0.891 ms  
Remote clock offset: -48.254 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.86 Mbit/s  
95th percentile per-packet one-way delay: 6.376 ms  
Loss rate: 0.42%  
-- Flow 1:  
Average throughput: 2.86 Mbit/s  
95th percentile per-packet one-way delay: 6.376 ms  
Loss rate: 0.42%

## Run 8: Report of WebRTC media — Data Link



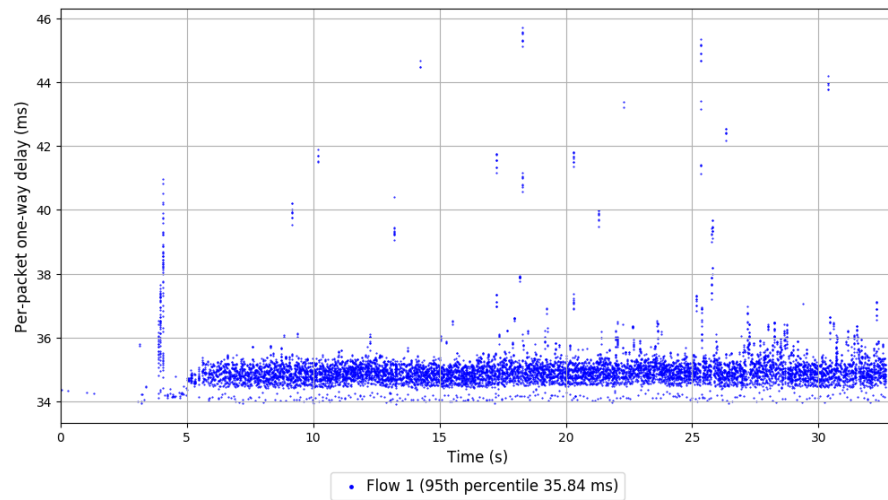
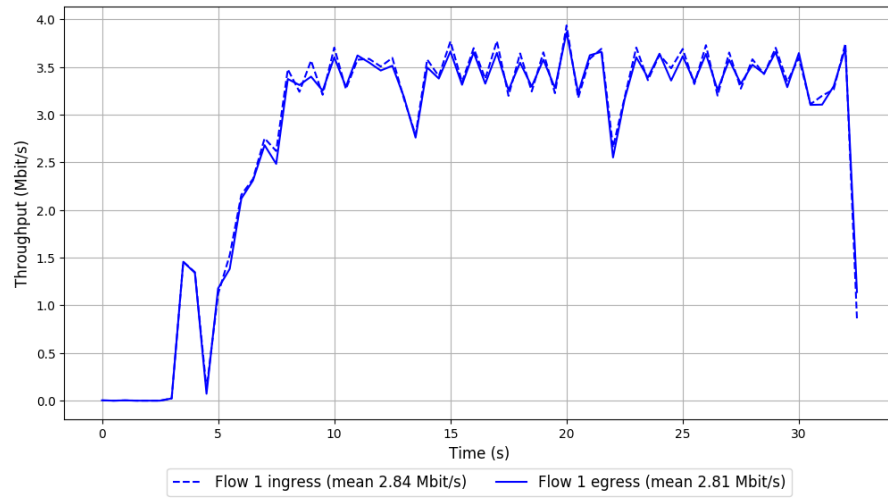
Run 9: Statistics of WebRTC media

Start at: 2017-12-01 06:13:41  
End at: 2017-12-01 06:14:11  
Local clock offset: 1.39 ms  
Remote clock offset: -15.593 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.81 Mbit/s  
95th percentile per-packet one-way delay: 35.838 ms  
Loss rate: 0.88%  
-- Flow 1:  
Average throughput: 2.81 Mbit/s  
95th percentile per-packet one-way delay: 35.838 ms  
Loss rate: 0.88%



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



Run 10: Statistics of WebRTC media

Start at: 2017-12-01 06:30:39

End at: 2017-12-01 06:31:09

Local clock offset: 1.963 ms

Remote clock offset: -23.242 ms

# Below is generated by plot.py at 2017-12-01 07:04:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.73 Mbit/s

95th percentile per-packet one-way delay: 27.684 ms

Loss rate: 0.44%

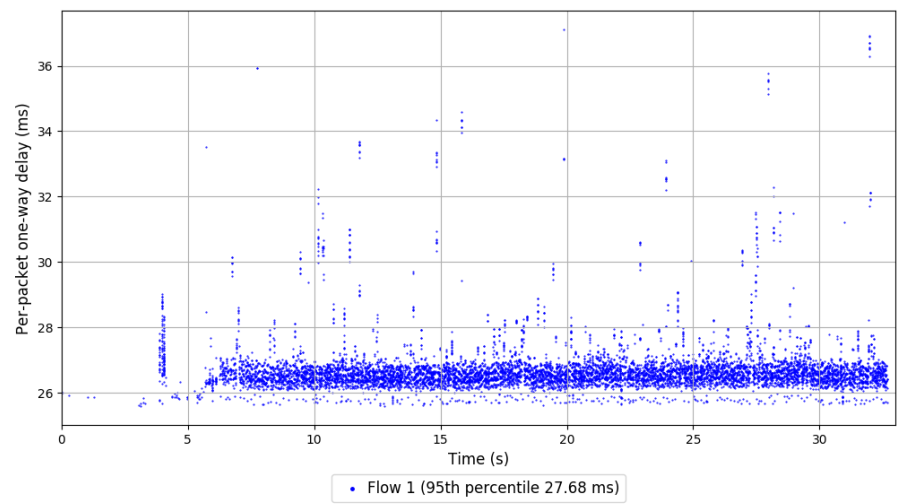
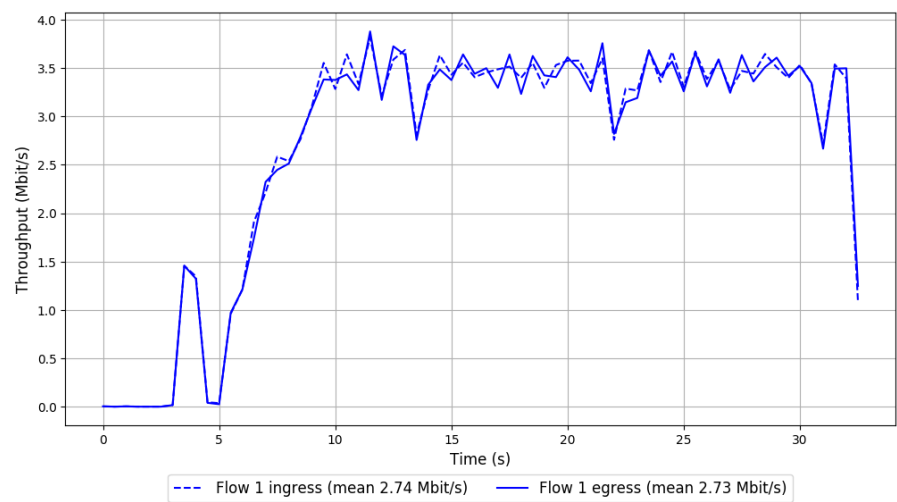
-- Flow 1:

Average throughput: 2.73 Mbit/s

95th percentile per-packet one-way delay: 27.684 ms

Loss rate: 0.44%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2017-12-01 04:00:07

End at: 2017-12-01 04:00:37

Local clock offset: -0.196 ms

Remote clock offset: -6.22 ms

# Below is generated by plot.py at 2017-12-01 07:04:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 8.12 Mbit/s

95th percentile per-packet one-way delay: 77.614 ms

Loss rate: 1.67%

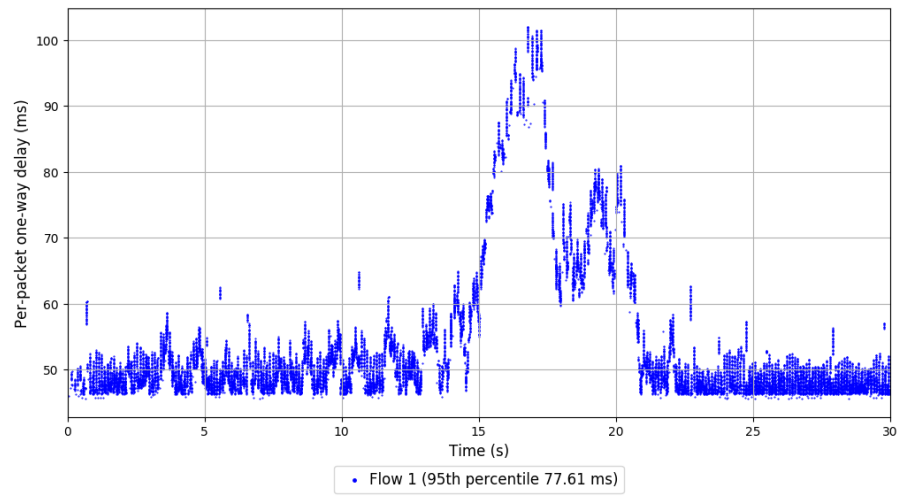
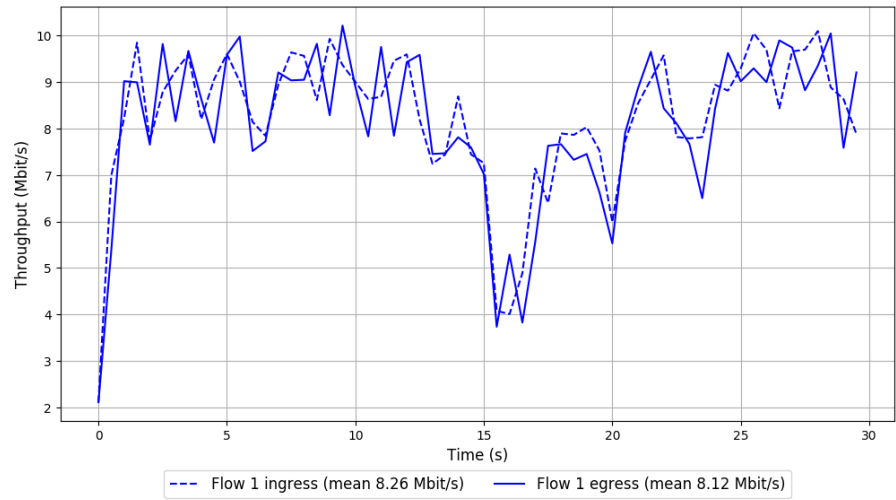
-- Flow 1:

Average throughput: 8.12 Mbit/s

95th percentile per-packet one-way delay: 77.614 ms

Loss rate: 1.67%

## Run 1: Report of Sprout — Data Link

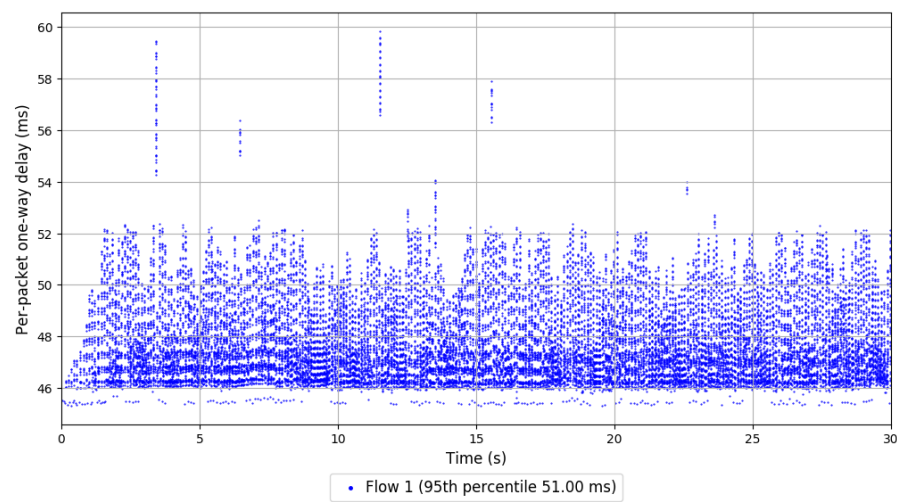
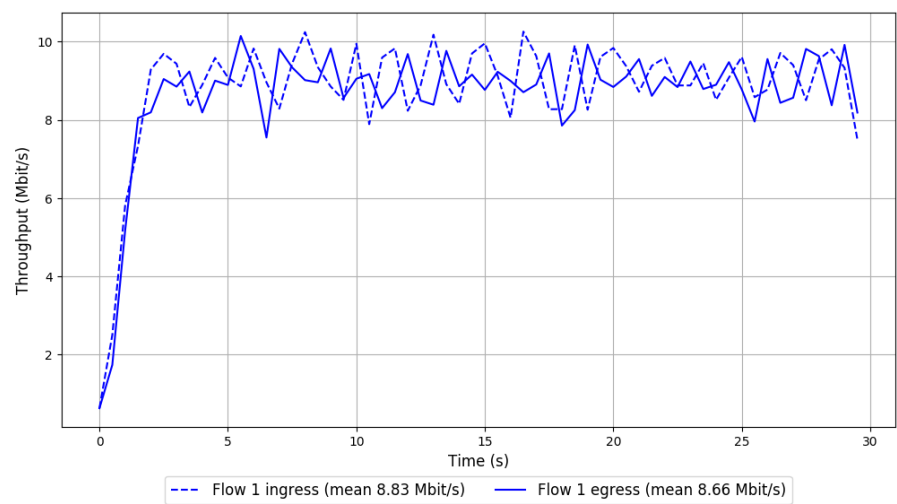


Run 2: Statistics of Sprout

Start at: 2017-12-01 04:16:53  
End at: 2017-12-01 04:17:23  
Local clock offset: -0.208 ms  
Remote clock offset: -6.411 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.66 Mbit/s  
95th percentile per-packet one-way delay: 50.997 ms  
Loss rate: 1.88%  
-- Flow 1:  
Average throughput: 8.66 Mbit/s  
95th percentile per-packet one-way delay: 50.997 ms  
Loss rate: 1.88%

Run 2: Report of Sprout — Data Link



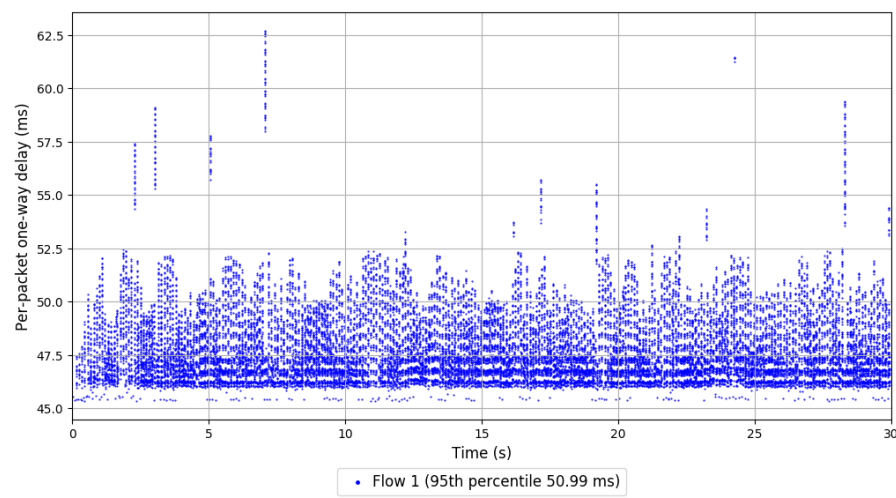
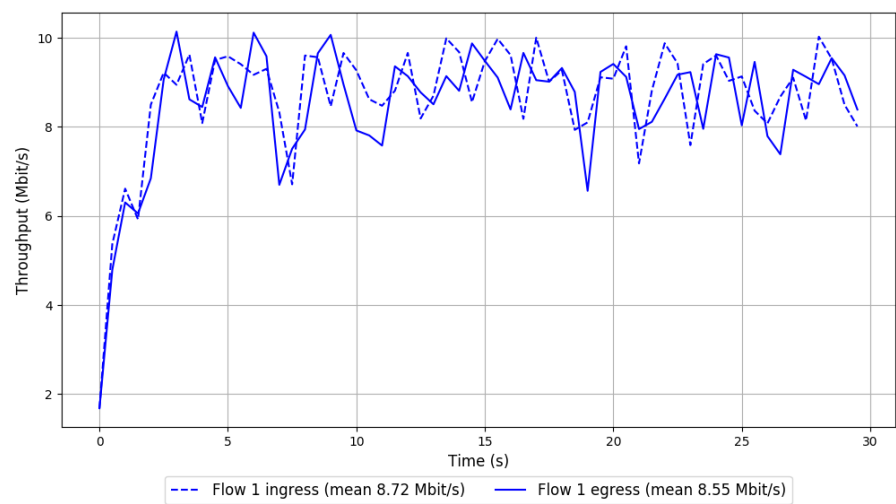
Run 3: Statistics of Sprout

Start at: 2017-12-01 04:33:24  
End at: 2017-12-01 04:33:54  
Local clock offset: -0.364 ms  
Remote clock offset: -6.813 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.55 Mbit/s  
95th percentile per-packet one-way delay: 50.993 ms  
Loss rate: 2.01%  
-- Flow 1:  
Average throughput: 8.55 Mbit/s  
95th percentile per-packet one-way delay: 50.993 ms  
Loss rate: 2.01%



Run 3: Report of Sprout — Data Link

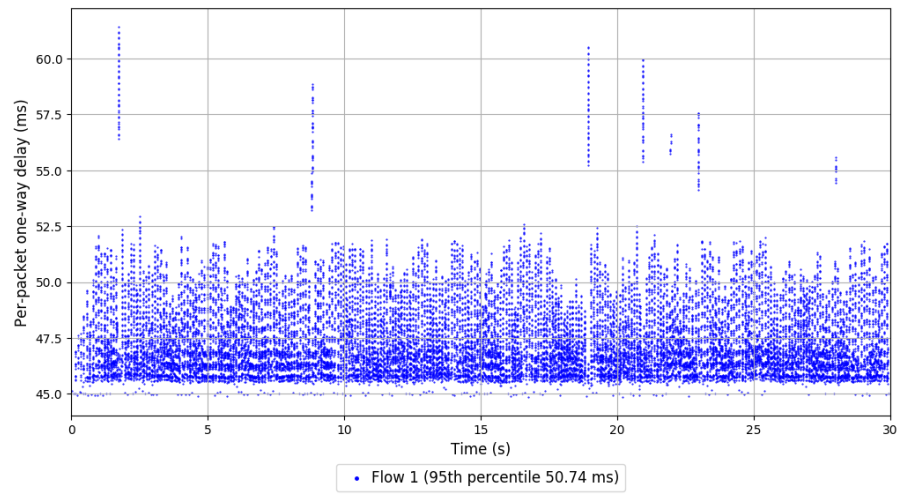
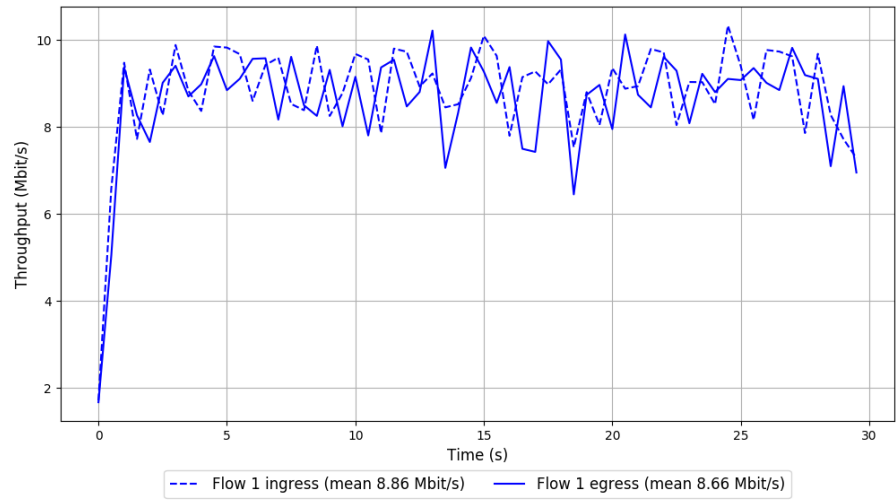


Run 4: Statistics of Sprout

Start at: 2017-12-01 04:50:08  
End at: 2017-12-01 04:50:38  
Local clock offset: -0.454 ms  
Remote clock offset: -7.421 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.66 Mbit/s  
95th percentile per-packet one-way delay: 50.742 ms  
Loss rate: 2.22%  
-- Flow 1:  
Average throughput: 8.66 Mbit/s  
95th percentile per-packet one-way delay: 50.742 ms  
Loss rate: 2.22%

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

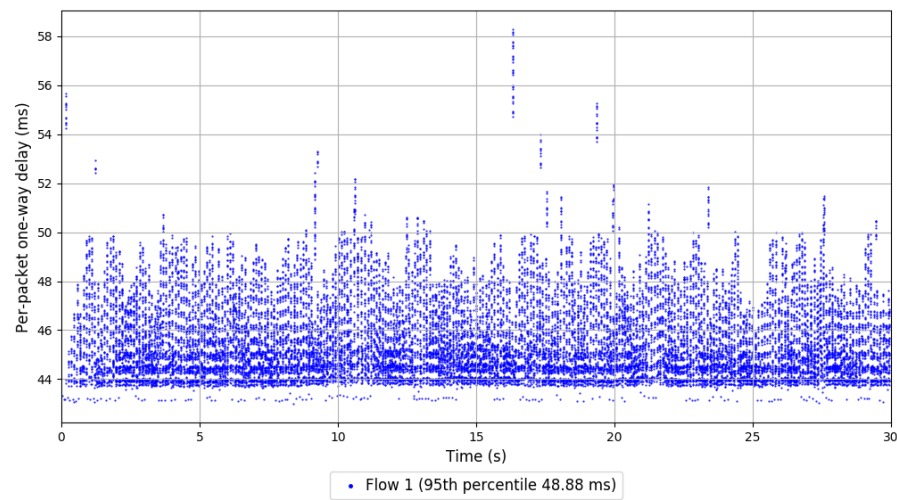
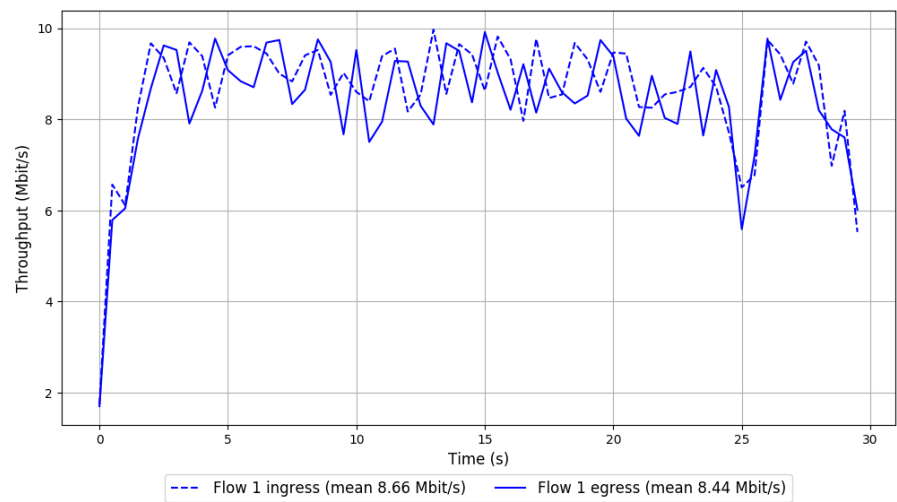


Run 5: Statistics of Sprout

Start at: 2017-12-01 05:06:46  
End at: 2017-12-01 05:07:16  
Local clock offset: -0.268 ms  
Remote clock offset: -9.451 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.44 Mbit/s  
95th percentile per-packet one-way delay: 48.876 ms  
Loss rate: 2.55%  
-- Flow 1:  
Average throughput: 8.44 Mbit/s  
95th percentile per-packet one-way delay: 48.876 ms  
Loss rate: 2.55%

Run 5: Report of Sprout — Data Link

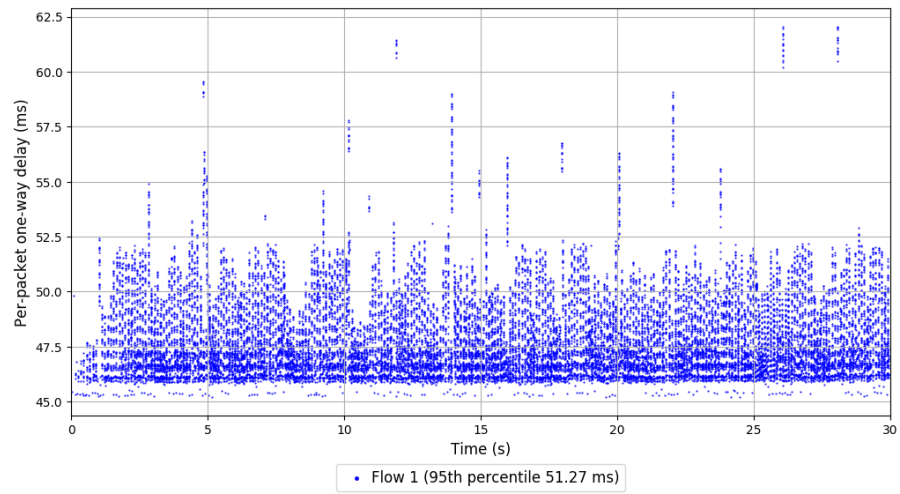
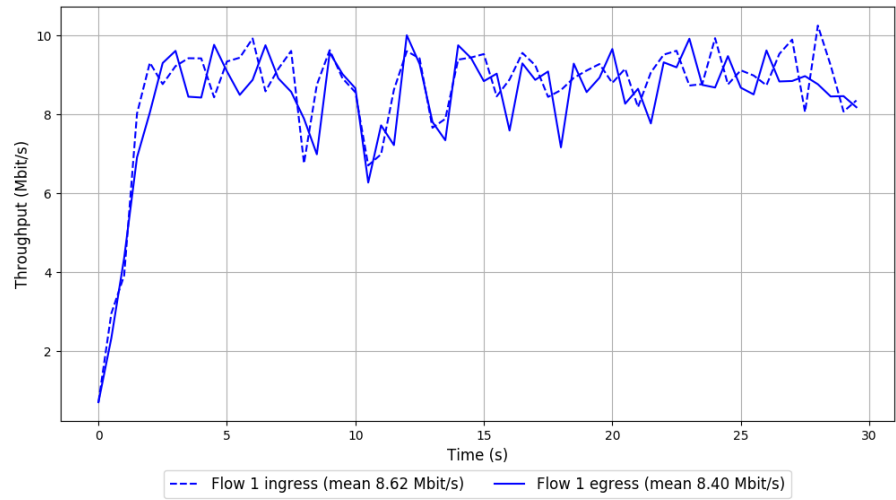


Run 6: Statistics of Sprout

Start at: 2017-12-01 05:23:33  
End at: 2017-12-01 05:24:03  
Local clock offset: 0.204 ms  
Remote clock offset: -6.863 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.40 Mbit/s  
95th percentile per-packet one-way delay: 51.265 ms  
Loss rate: 2.55%  
-- Flow 1:  
Average throughput: 8.40 Mbit/s  
95th percentile per-packet one-way delay: 51.265 ms  
Loss rate: 2.55%

# Run 6: Report of Sprout — Data Link



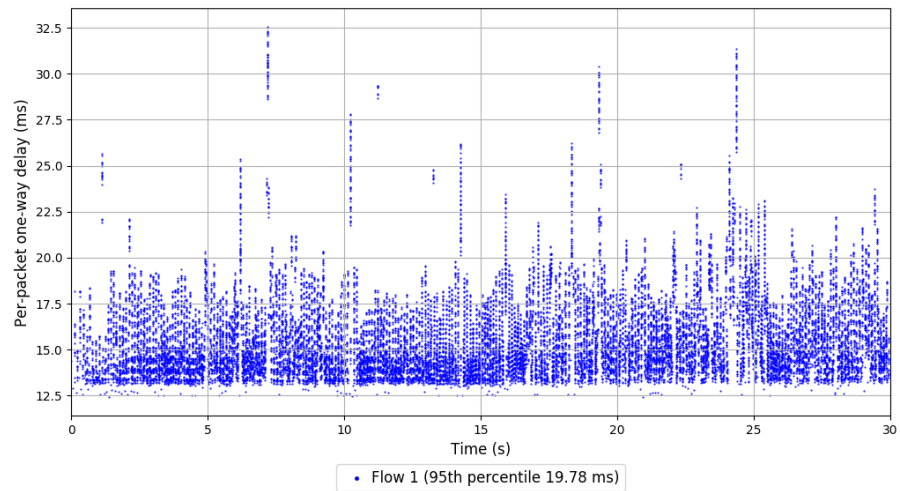
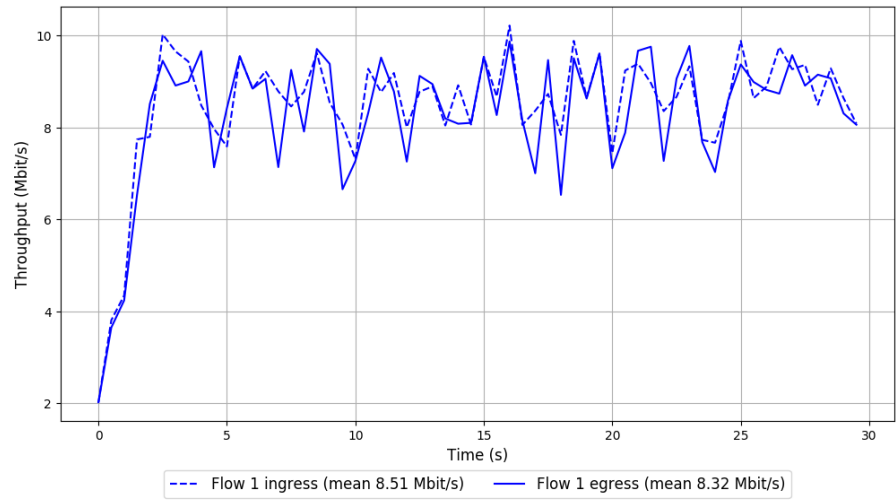
Run 7: Statistics of Sprout

Start at: 2017-12-01 05:40:34  
End at: 2017-12-01 05:41:04  
Local clock offset: 0.652 ms  
Remote clock offset: -39.07 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.32 Mbit/s  
95th percentile per-packet one-way delay: 19.783 ms  
Loss rate: 2.19%  
-- Flow 1:  
Average throughput: 8.32 Mbit/s  
95th percentile per-packet one-way delay: 19.783 ms  
Loss rate: 2.19%



## Run 7: Report of Sprout — Data Link

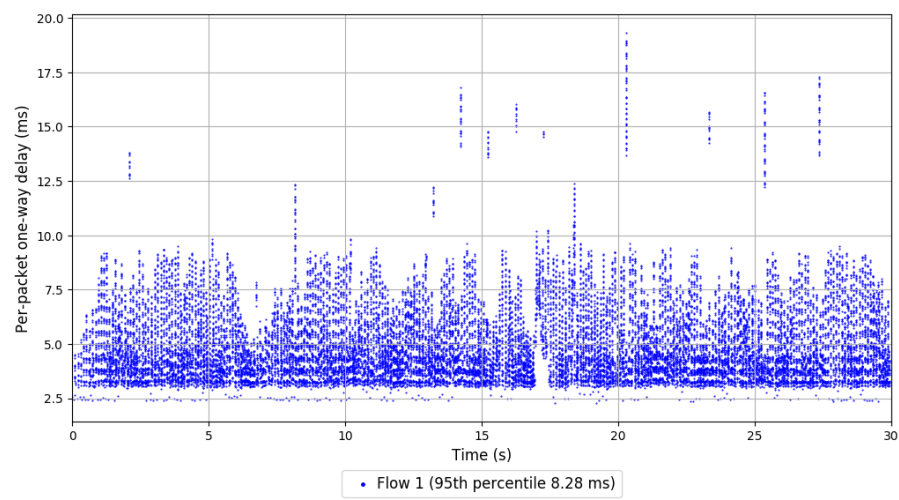
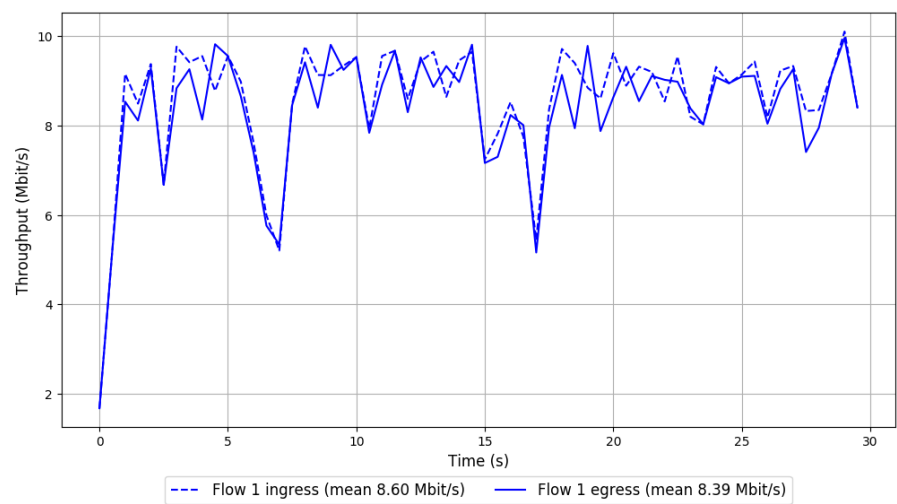


Run 8: Statistics of Sprout

Start at: 2017-12-01 05:57:17  
End at: 2017-12-01 05:57:47  
Local clock offset: 1.095 ms  
Remote clock offset: -48.187 ms

# Below is generated by plot.py at 2017-12-01 07:04:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.39 Mbit/s  
95th percentile per-packet one-way delay: 8.279 ms  
Loss rate: 2.38%  
-- Flow 1:  
Average throughput: 8.39 Mbit/s  
95th percentile per-packet one-way delay: 8.279 ms  
Loss rate: 2.38%

Run 8: Report of Sprout — Data Link

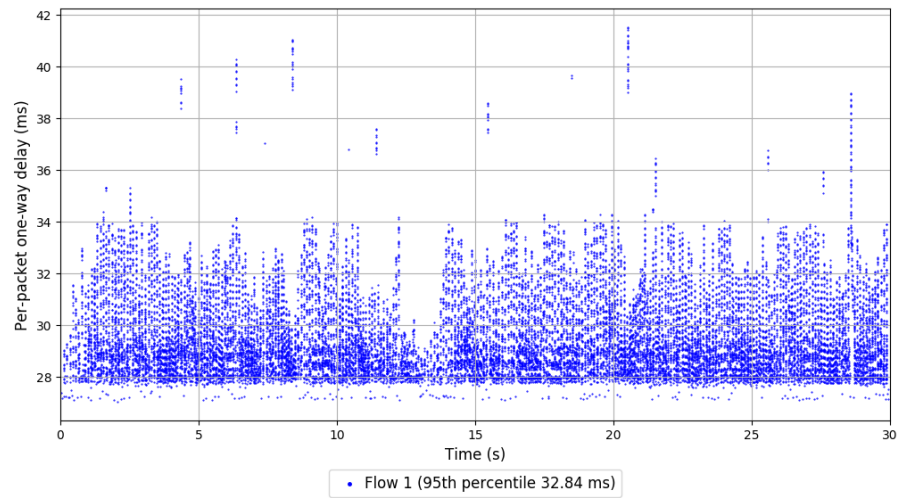
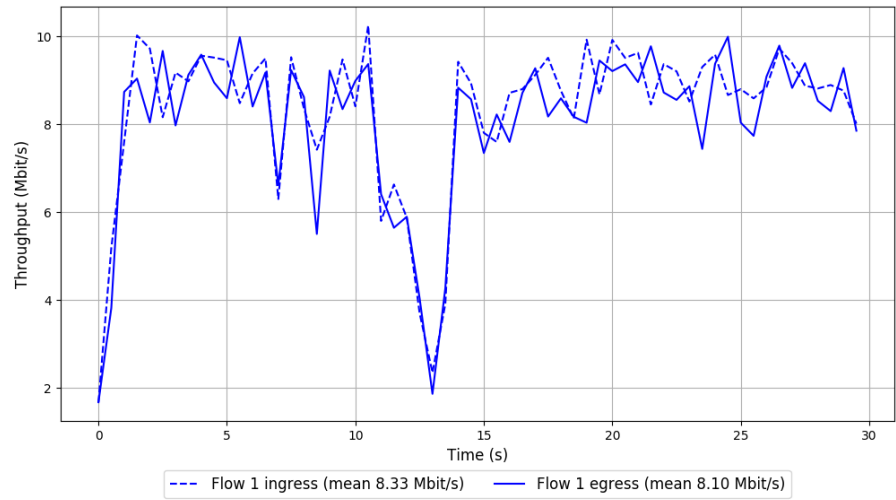


Run 9: Statistics of Sprout

Start at: 2017-12-01 06:16:09  
End at: 2017-12-01 06:16:39  
Local clock offset: 1.466 ms  
Remote clock offset: -22.453 ms

# Below is generated by plot.py at 2017-12-01 07:04:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.10 Mbit/s  
95th percentile per-packet one-way delay: 32.842 ms  
Loss rate: 2.76%  
-- Flow 1:  
Average throughput: 8.10 Mbit/s  
95th percentile per-packet one-way delay: 32.842 ms  
Loss rate: 2.76%

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



Run 10: Statistics of Sprout

Start at: 2017-12-01 06:33:03

End at: 2017-12-01 06:33:33

Local clock offset: 1.904 ms

Remote clock offset: -22.9 ms

# Below is generated by plot.py at 2017-12-01 07:04:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 8.25 Mbit/s

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

Loss rate: 2.48%

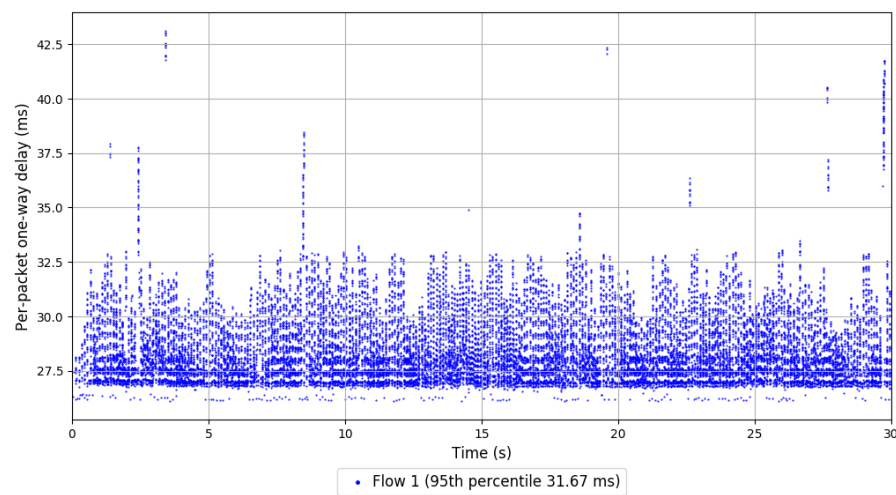
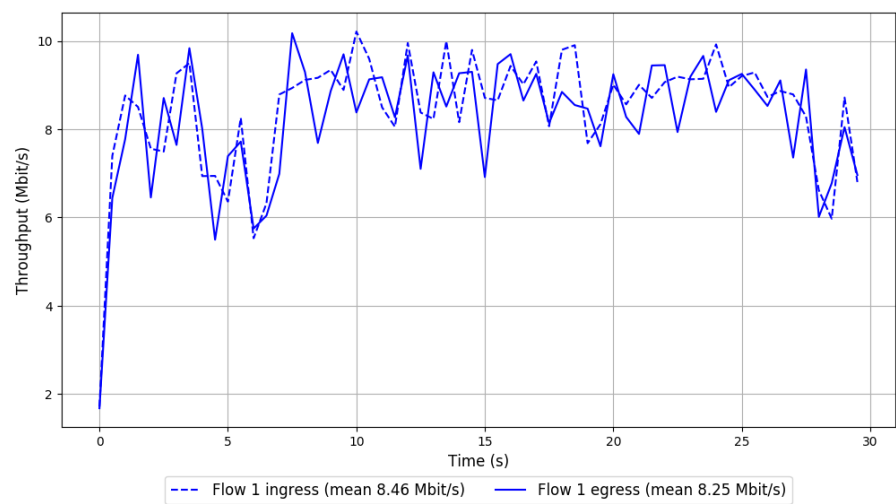
-- Flow 1:

Average throughput: 8.25 Mbit/s

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

Loss rate: 2.48%

Run 10: Report of Sprout — Data Link



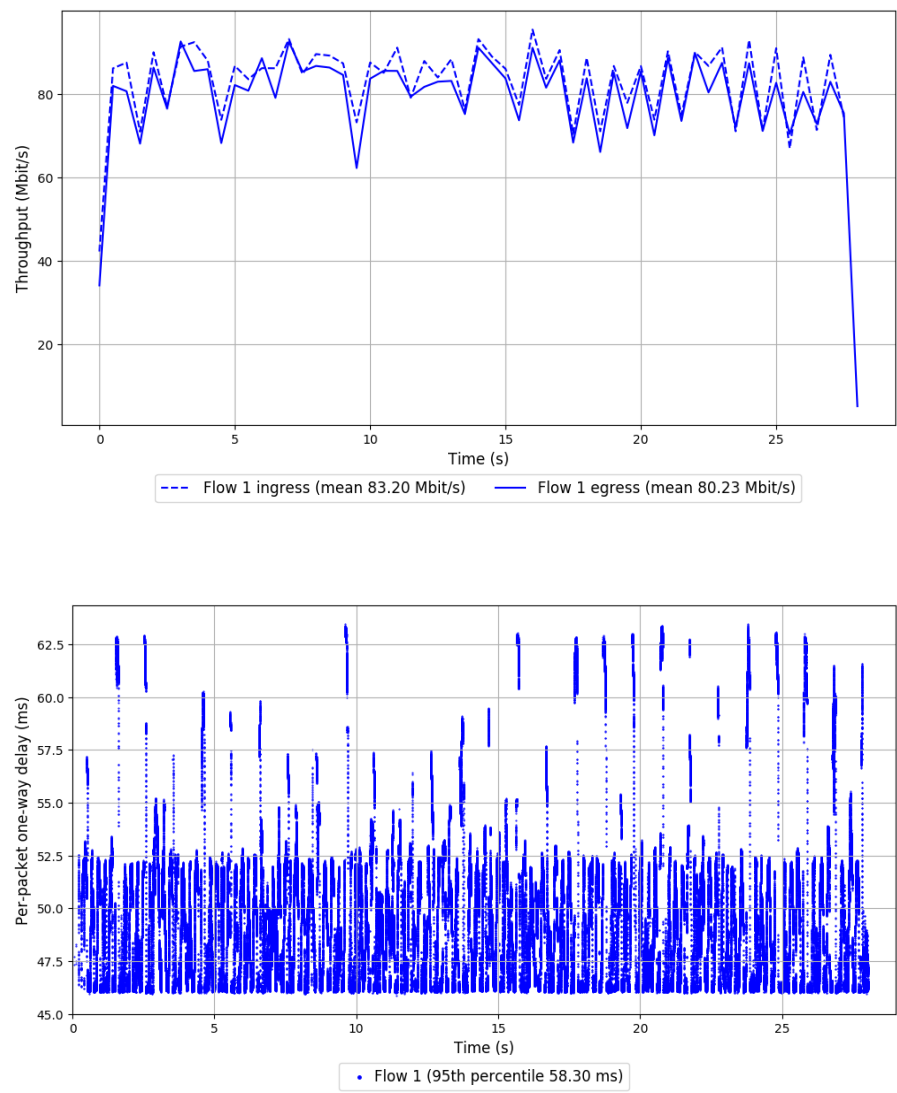
```
Run 1: Statistics of TaoVA-100x

Start at: 2017-12-01 04:06:00
End at: 2017-12-01 04:06:30
Local clock offset: -0.189 ms
Remote clock offset: -6.19 ms

# Below is generated by plot.py at 2017-12-01 07:06:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.23 Mbit/s
95th percentile per-packet one-way delay: 58.299 ms
Loss rate: 3.56%
-- Flow 1:
Average throughput: 80.23 Mbit/s
95th percentile per-packet one-way delay: 58.299 ms
Loss rate: 3.56%
```



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



Run 2: Statistics of TaoVA-100x

Start at: 2017-12-01 04:22:44

End at: 2017-12-01 04:23:14

Local clock offset: -0.256 ms

Remote clock offset: -6.635 ms

# Below is generated by plot.py at 2017-12-01 07:06:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.20 Mbit/s

95th percentile per-packet one-way delay: 57.996 ms

Loss rate: 3.74%

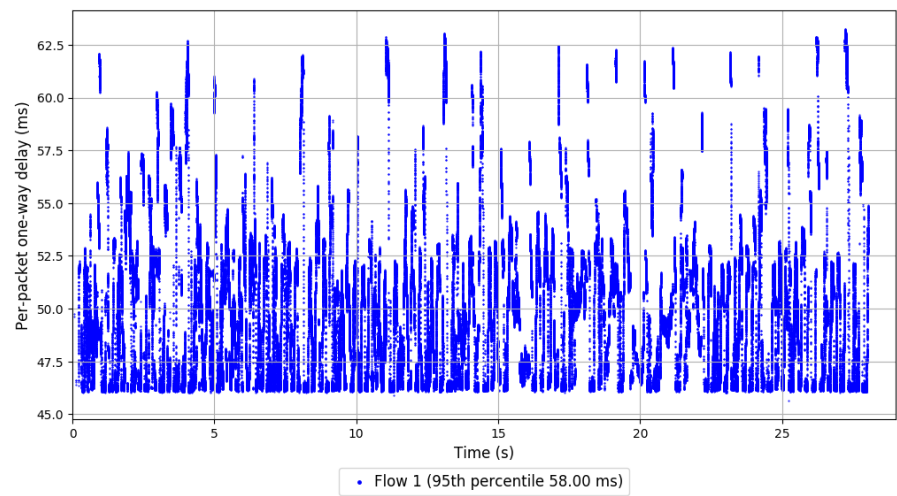
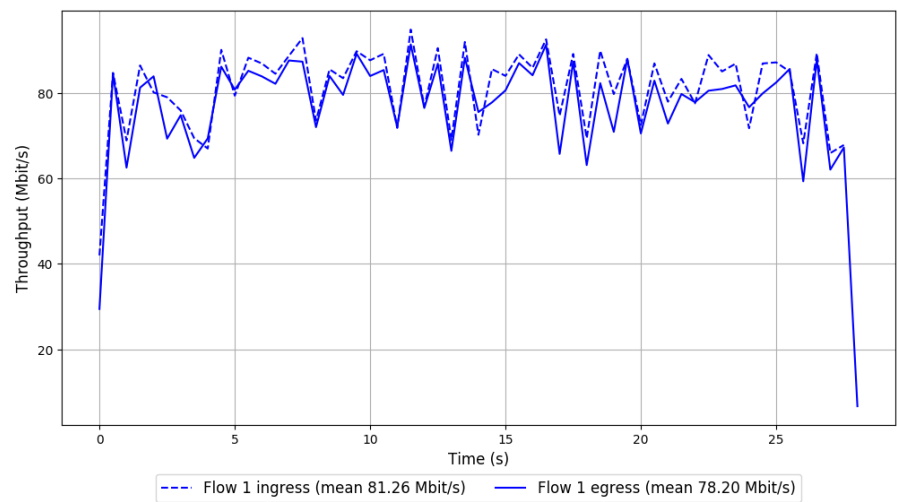
-- Flow 1:

Average throughput: 78.20 Mbit/s

95th percentile per-packet one-way delay: 57.996 ms

Loss rate: 3.74%

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



Run 3: Statistics of TaoVA-100x

Start at: 2017-12-01 04:39:23

End at: 2017-12-01 04:39:53

Local clock offset: -0.53 ms

Remote clock offset: -6.801 ms

# Below is generated by plot.py at 2017-12-01 07:06:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.81 Mbit/s

95th percentile per-packet one-way delay: 56.647 ms

Loss rate: 3.87%

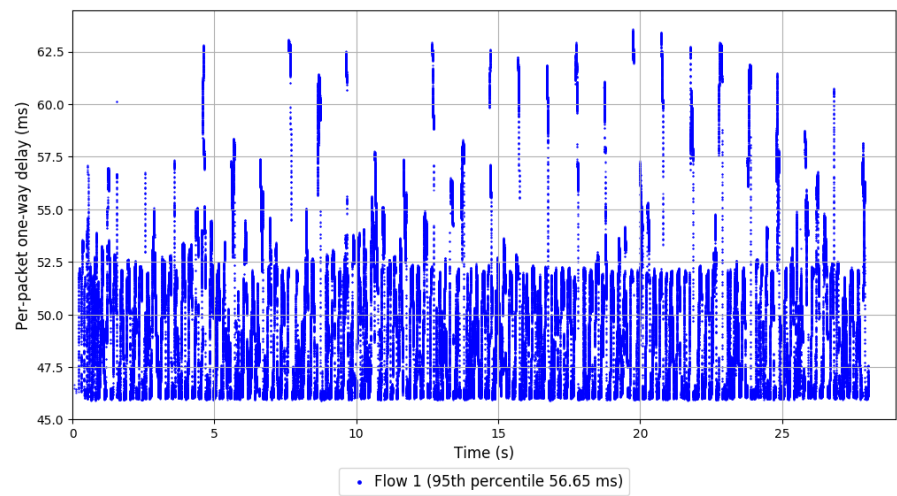
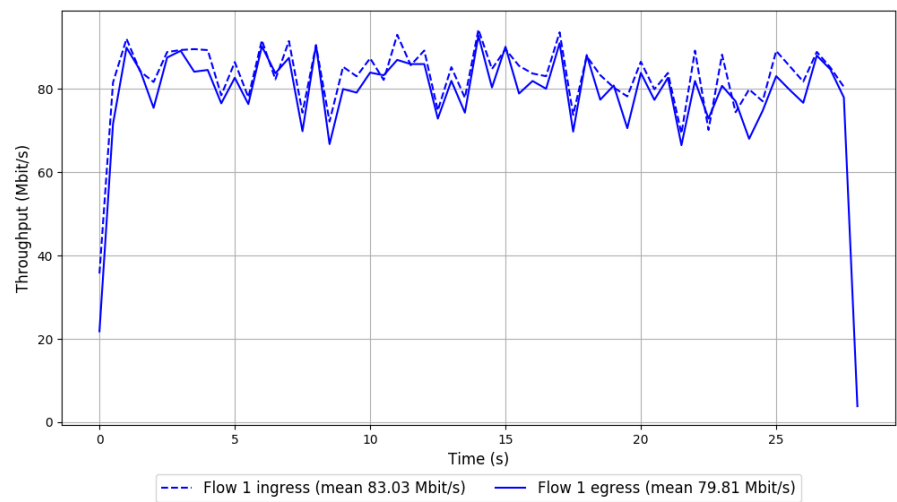
-- Flow 1:

Average throughput: 79.81 Mbit/s

95th percentile per-packet one-way delay: 56.647 ms

Loss rate: 3.87%

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

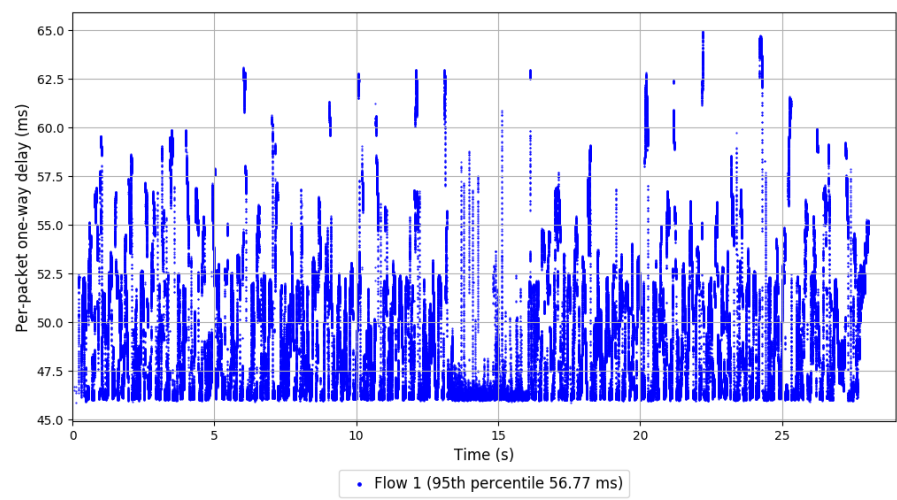
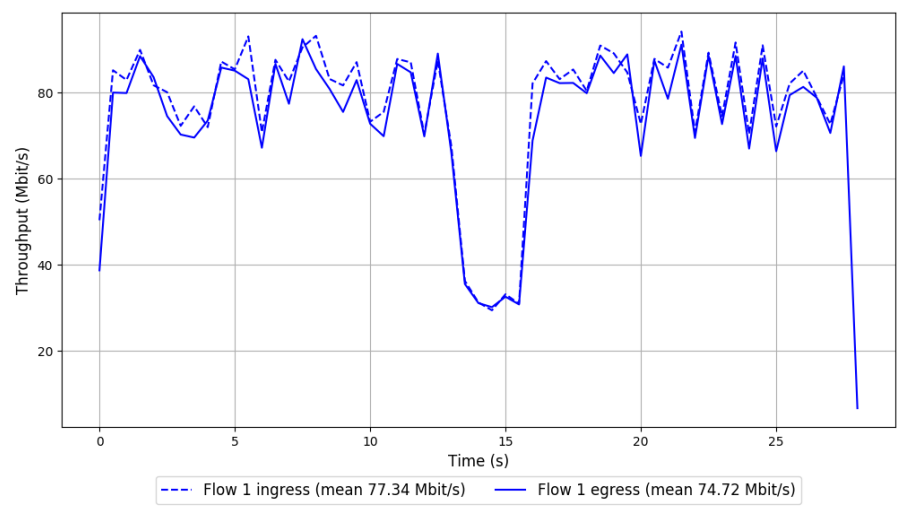


Run 4: Statistics of TaoVA-100x

Start at: 2017-12-01 04:56:01  
End at: 2017-12-01 04:56:31  
Local clock offset: -0.562 ms  
Remote clock offset: -6.822 ms

# Below is generated by plot.py at 2017-12-01 07:06:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.72 Mbit/s  
95th percentile per-packet one-way delay: 56.765 ms  
Loss rate: 3.36%  
-- Flow 1:  
Average throughput: 74.72 Mbit/s  
95th percentile per-packet one-way delay: 56.765 ms  
Loss rate: 3.36%

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



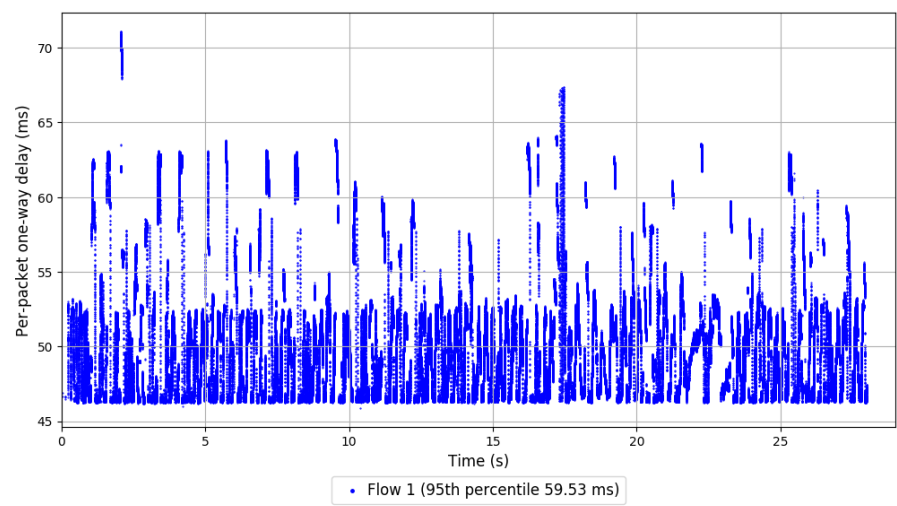
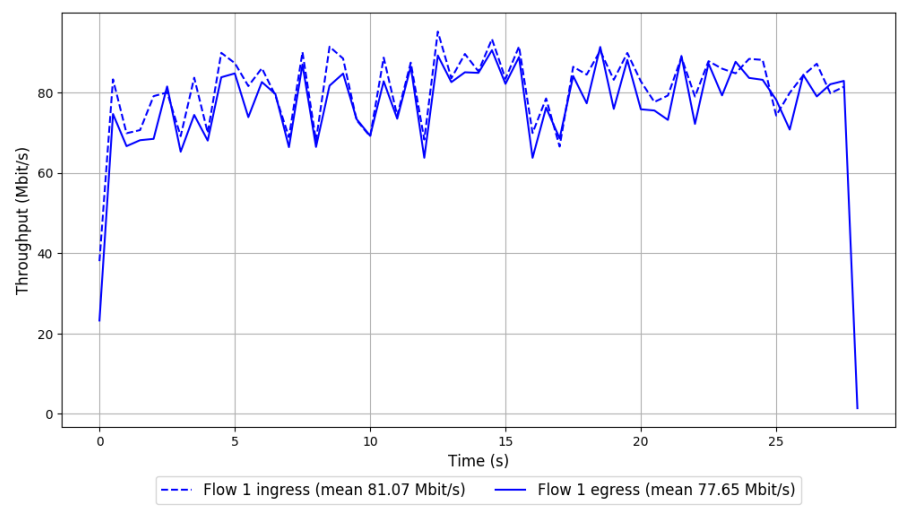
Run 5: Statistics of TaoVA-100x

Start at: 2017-12-01 05:12:43  
End at: 2017-12-01 05:13:14  
Local clock offset: -0.238 ms  
Remote clock offset: -6.901 ms

# Below is generated by plot.py at 2017-12-01 07:06:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.65 Mbit/s  
95th percentile per-packet one-way delay: 59.528 ms  
Loss rate: 4.22%  
-- Flow 1:  
Average throughput: 77.65 Mbit/s  
95th percentile per-packet one-way delay: 59.528 ms  
Loss rate: 4.22%



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



Run 6: Statistics of TaoVA-100x

Start at: 2017-12-01 05:29:33

End at: 2017-12-01 05:30:03

Local clock offset: 0.244 ms

Remote clock offset: -9.169 ms

# Below is generated by plot.py at 2017-12-01 07:06:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.30 Mbit/s

95th percentile per-packet one-way delay: 54.582 ms

Loss rate: 3.57%

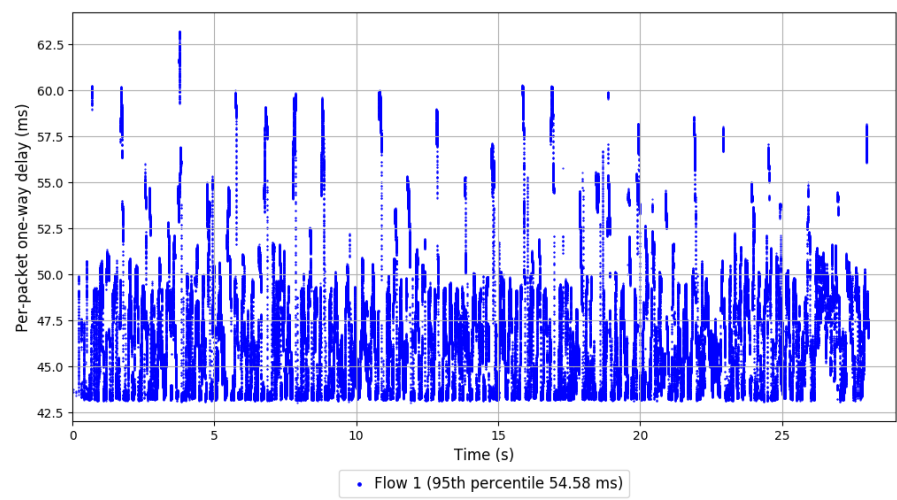
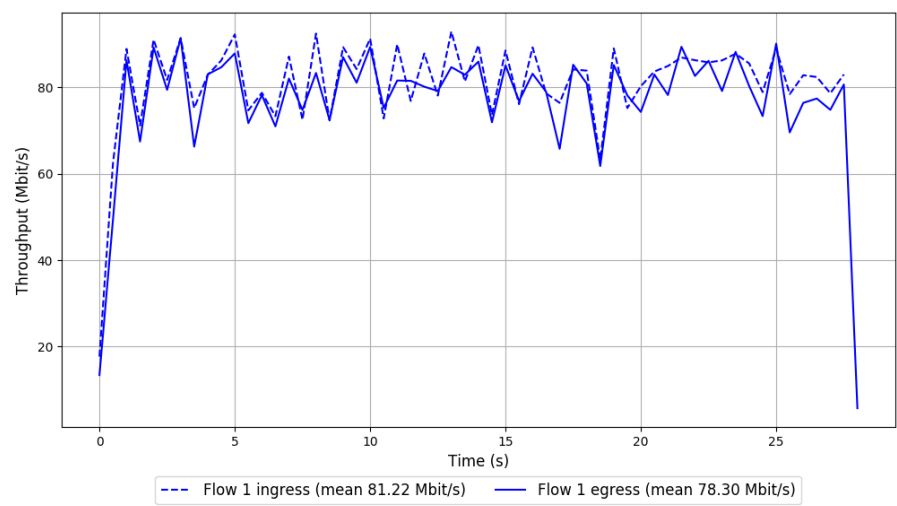
-- Flow 1:

Average throughput: 78.30 Mbit/s

95th percentile per-packet one-way delay: 54.582 ms

Loss rate: 3.57%

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

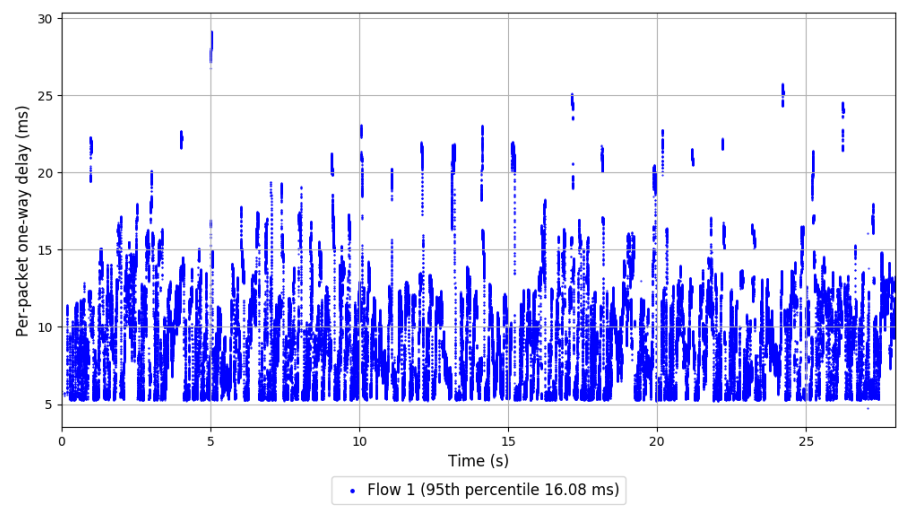
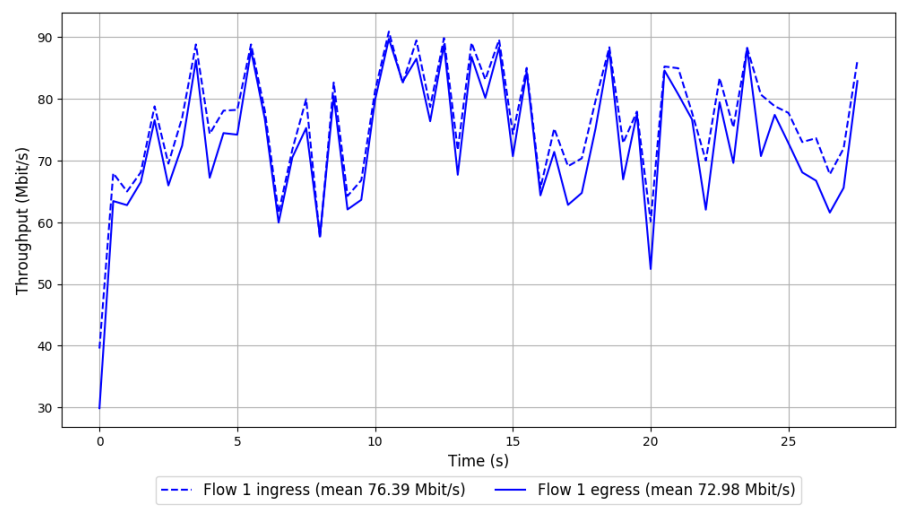


Run 7: Statistics of TaoVA-100x

Start at: 2017-12-01 05:46:31  
End at: 2017-12-01 05:47:01  
Local clock offset: 0.862 ms  
Remote clock offset: -46.24 ms

# Below is generated by plot.py at 2017-12-01 07:06:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 72.98 Mbit/s  
95th percentile per-packet one-way delay: 16.082 ms  
Loss rate: 4.43%  
-- Flow 1:  
Average throughput: 72.98 Mbit/s  
95th percentile per-packet one-way delay: 16.082 ms  
Loss rate: 4.43%

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

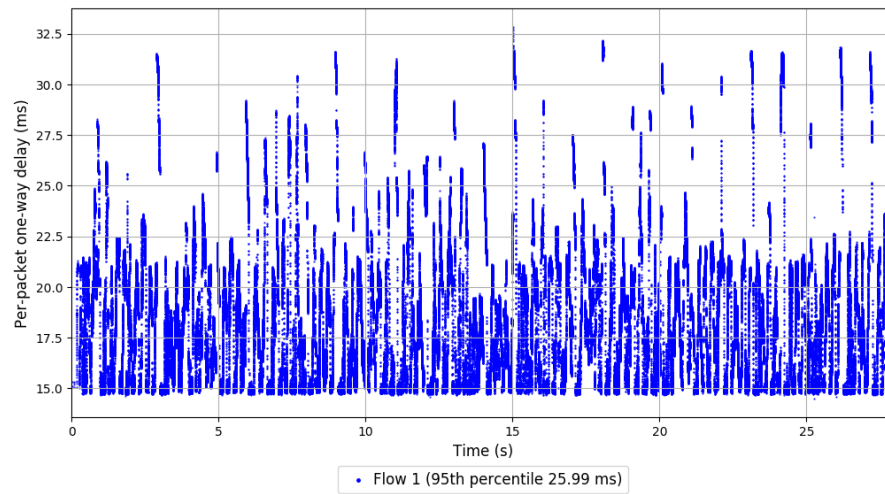
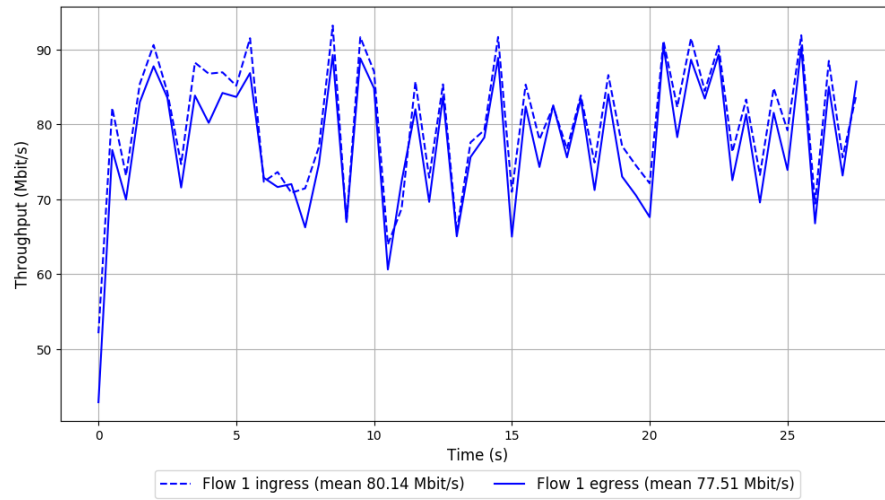


Run 8: Statistics of TaoVA-100x

Start at: 2017-12-01 06:03:14  
End at: 2017-12-01 06:03:44  
Local clock offset: 1.216 ms  
Remote clock offset: -35.665 ms

# Below is generated by plot.py at 2017-12-01 07:06:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.51 Mbit/s  
95th percentile per-packet one-way delay: 25.990 ms  
Loss rate: 3.28%  
-- Flow 1:  
Average throughput: 77.51 Mbit/s  
95th percentile per-packet one-way delay: 25.990 ms  
Loss rate: 3.28%

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



Run 9: Statistics of TaoVA-100x

Start at: 2017-12-01 06:22:04

End at: 2017-12-01 06:22:34

Local clock offset: 1.489 ms

Remote clock offset: -9.737 ms

# Below is generated by plot.py at 2017-12-01 07:07:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.63 Mbit/s

95th percentile per-packet one-way delay: 52.282 ms

Loss rate: 3.89%

-- Flow 1:

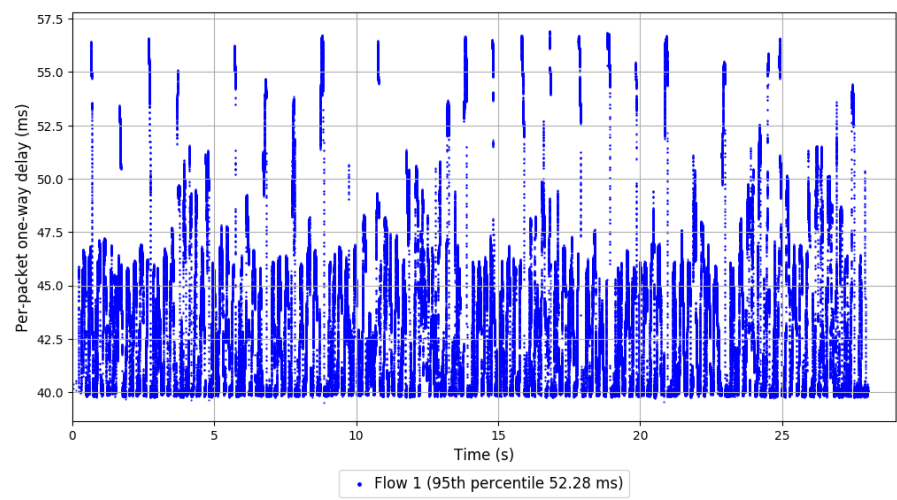
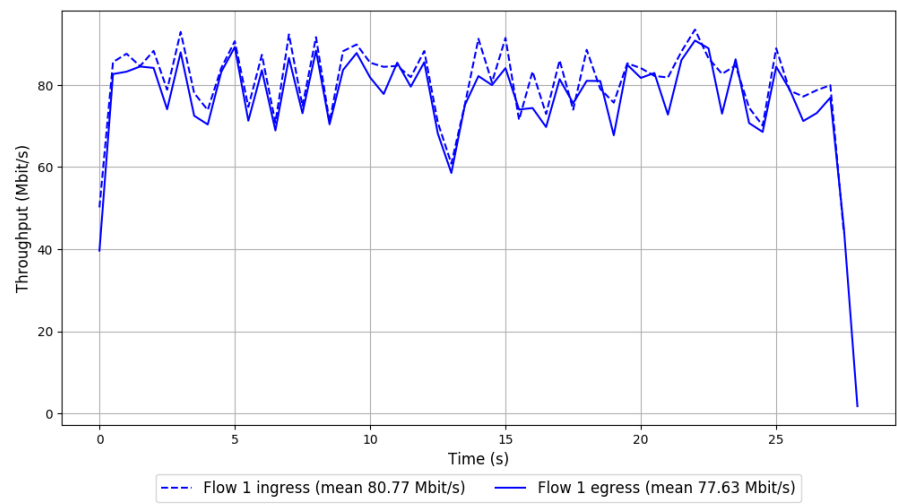
Average throughput: 77.63 Mbit/s

95th percentile per-packet one-way delay: 52.282 ms

Loss rate: 3.89%



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



Run 10: Statistics of TaoVA-100x

Start at: 2017-12-01 06:39:05

End at: 2017-12-01 06:39:35

Local clock offset: 2.05 ms

Remote clock offset: -18.005 ms

# Below is generated by plot.py at 2017-12-01 07:07:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.10 Mbit/s

95th percentile per-packet one-way delay: 42.571 ms

Loss rate: 3.42%

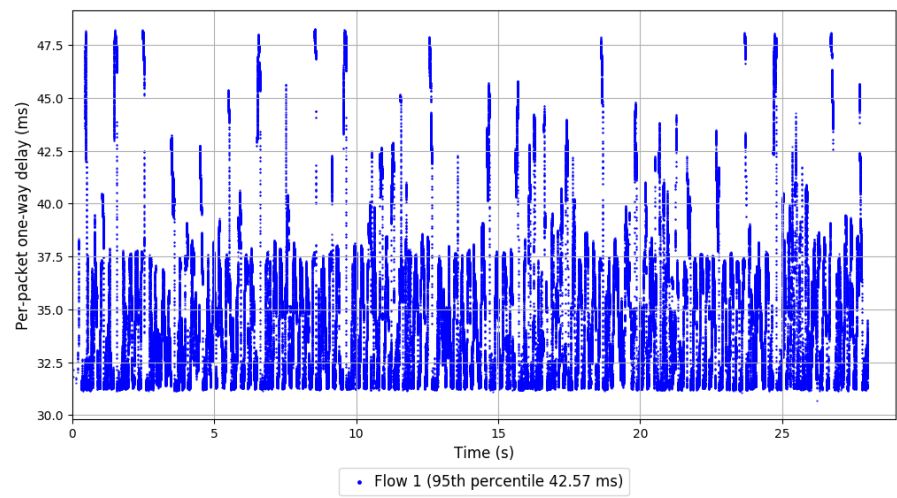
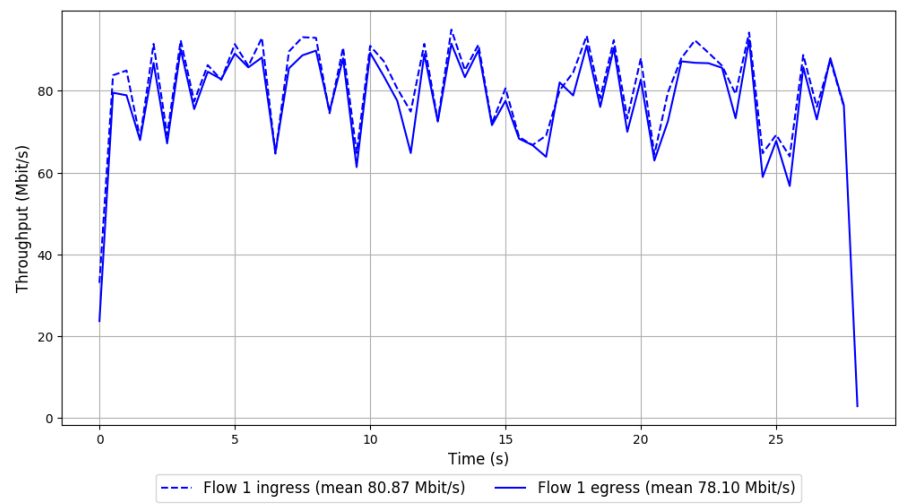
-- Flow 1:

Average throughput: 78.10 Mbit/s

95th percentile per-packet one-way delay: 42.571 ms

Loss rate: 3.42%

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

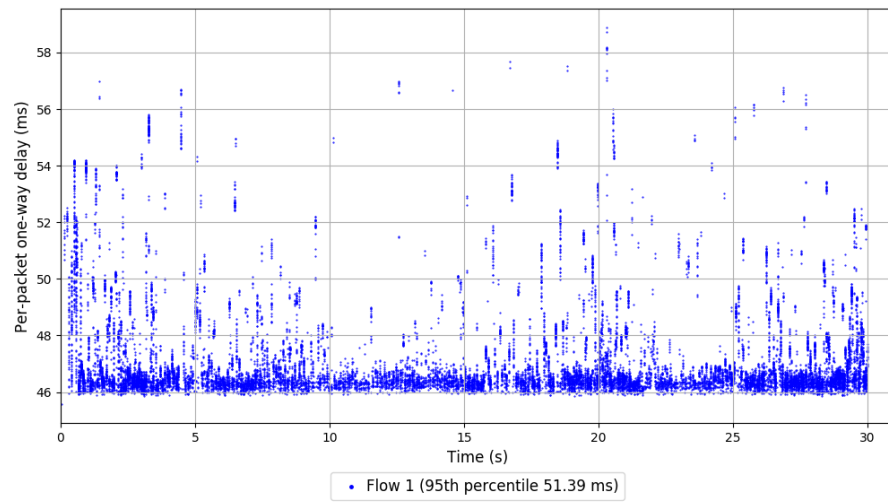
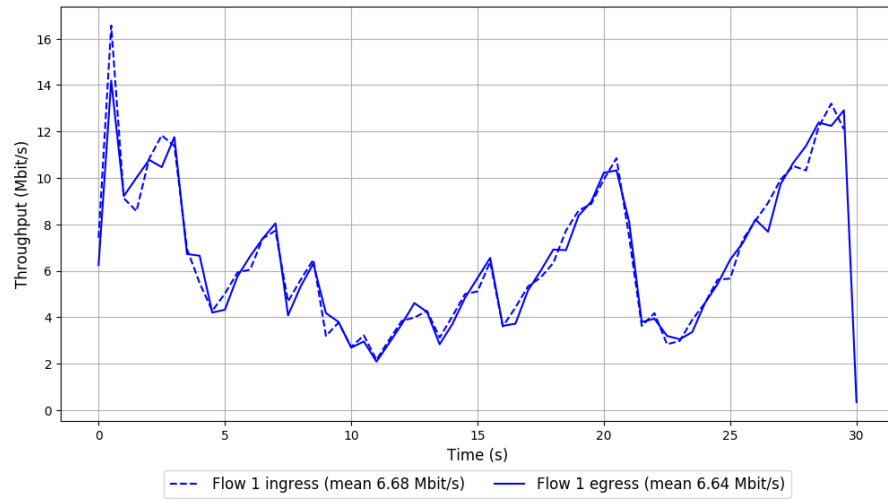


Run 1: Statistics of TCP Vegas

Start at: 2017-12-01 03:54:16  
End at: 2017-12-01 03:54:46  
Local clock offset: -0.295 ms  
Remote clock offset: -6.204 ms

# Below is generated by plot.py at 2017-12-01 07:07:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.64 Mbit/s  
95th percentile per-packet one-way delay: 51.394 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 6.64 Mbit/s  
95th percentile per-packet one-way delay: 51.394 ms  
Loss rate: 0.58%

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



Run 2: Statistics of TCP Vegas

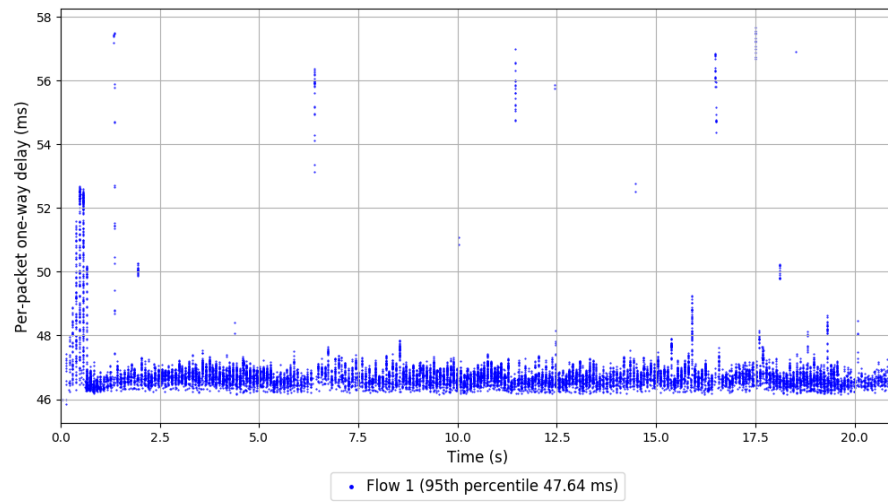
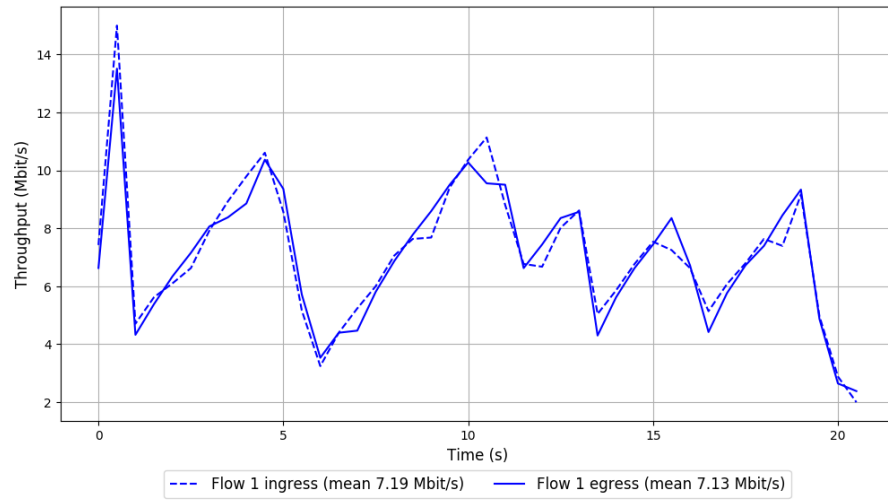
Start at: 2017-12-01 04:10:49

End at: 2017-12-01 04:11:19

Local clock offset: -0.354 ms

Remote clock offset: -6.323 ms

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



Run 3: Statistics of TCP Vegas

Start at: 2017-12-01 04:27:31

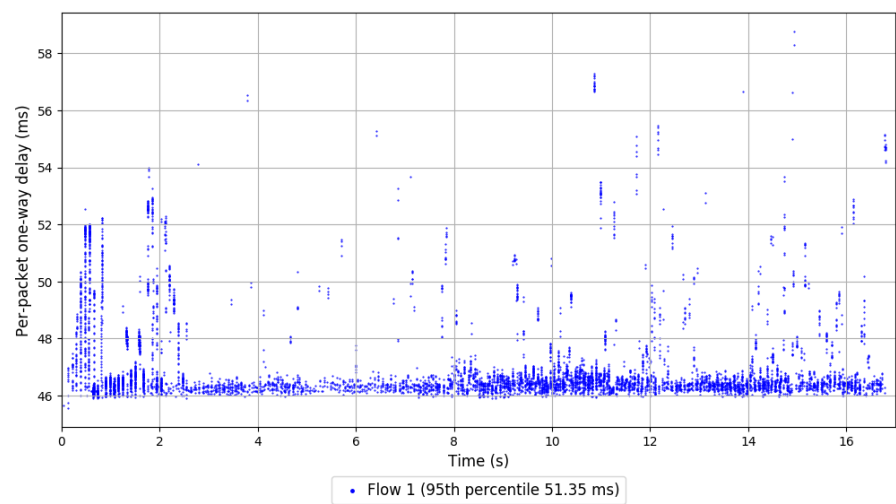
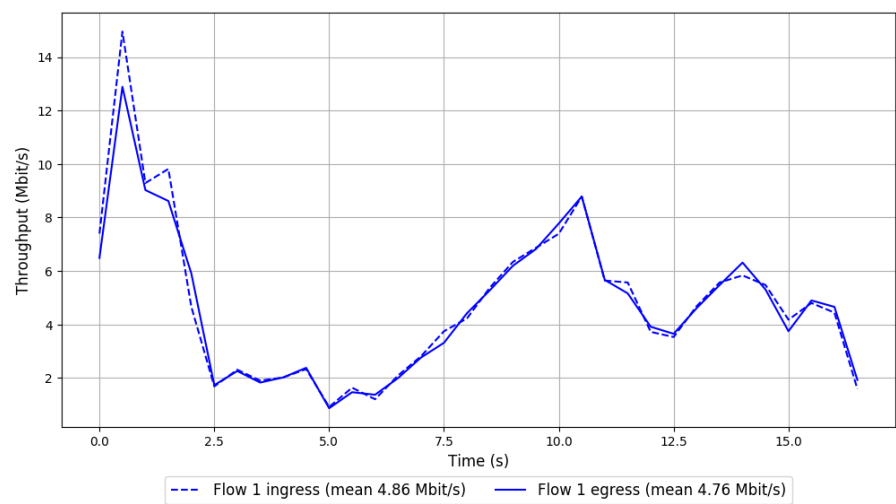
End at: 2017-12-01 04:28:01

Local clock offset: -0.39 ms

Remote clock offset: -6.73 ms



Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

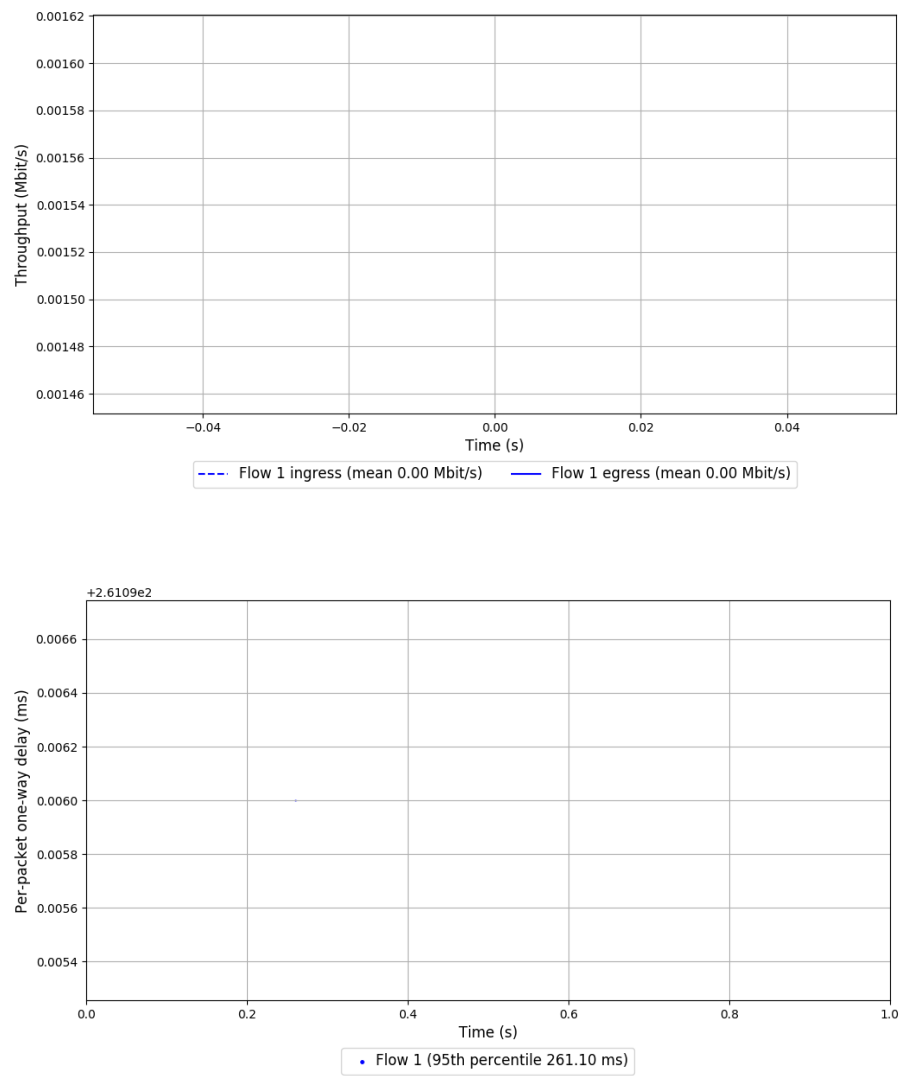
Start at: 2017-12-01 04:44:14

End at: 2017-12-01 04:44:44

Local clock offset: -0.453 ms

Remote clock offset: -6.775 ms

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

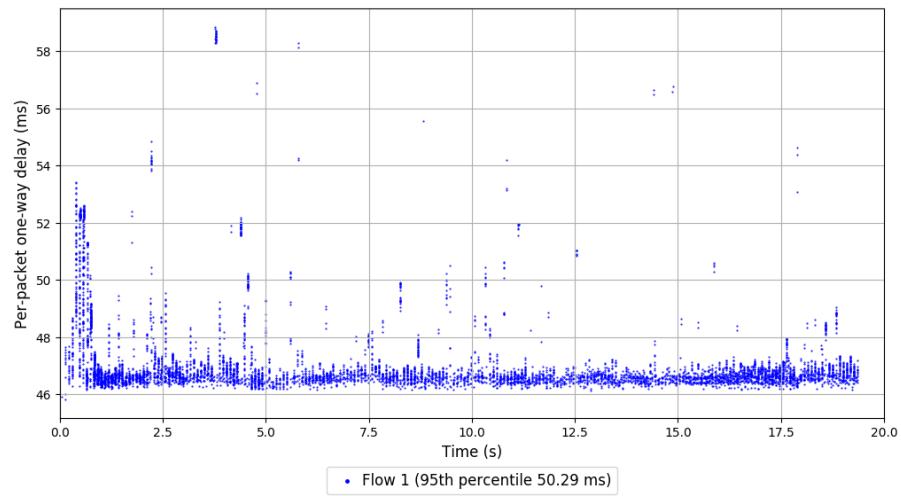
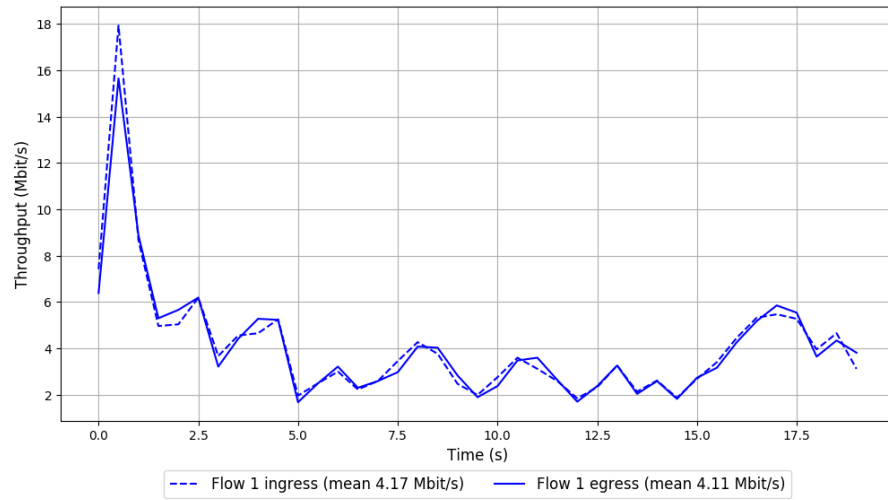
Start at: 2017-12-01 05:00:48

End at: 2017-12-01 05:01:18

Local clock offset: -0.445 ms

Remote clock offset: -6.836 ms

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



Run 6: Statistics of TCP Vegas

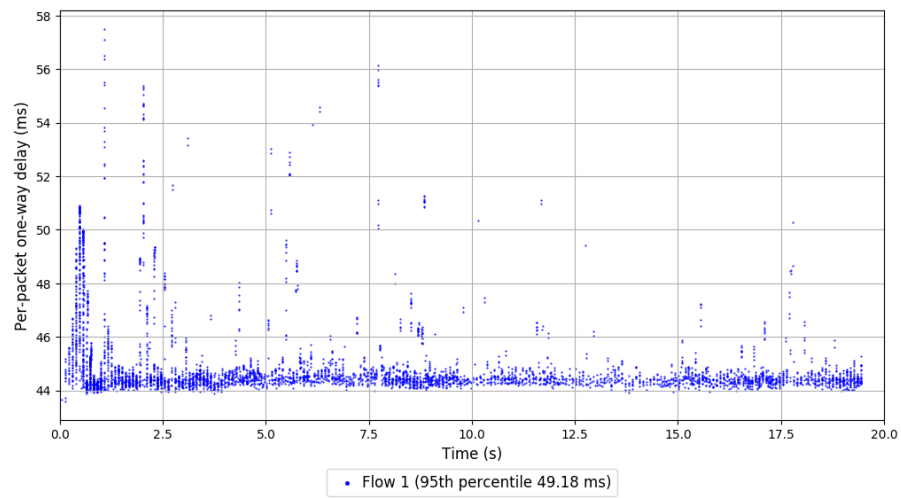
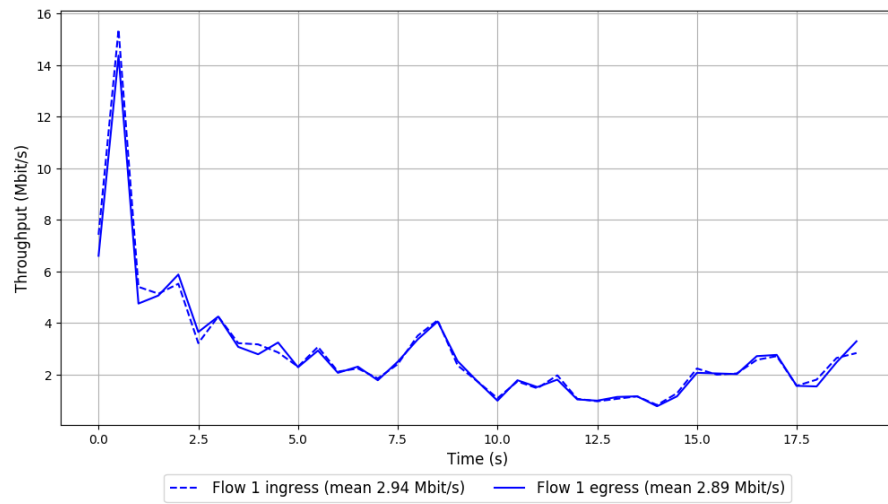
Start at: 2017-12-01 05:17:40

End at: 2017-12-01 05:18:10

Local clock offset: 0.085 ms

Remote clock offset: -9.109 ms

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



Run 7: Statistics of TCP Vegas

Start at: 2017-12-01 05:34:21

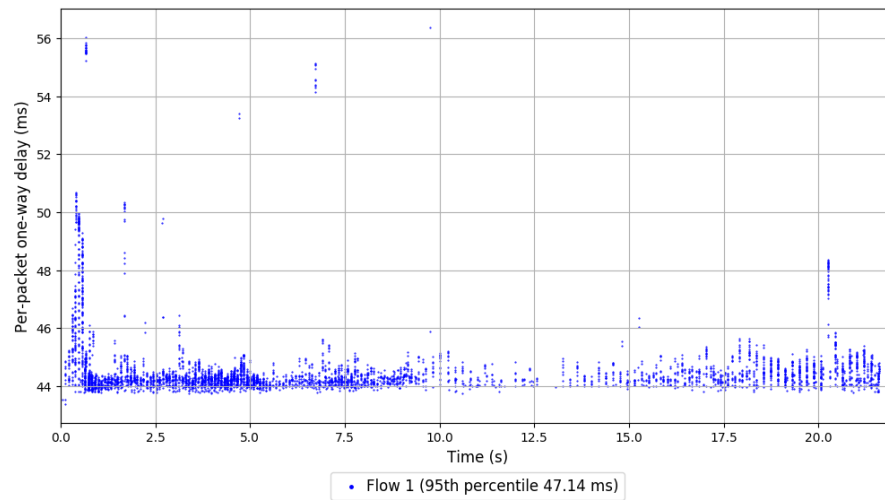
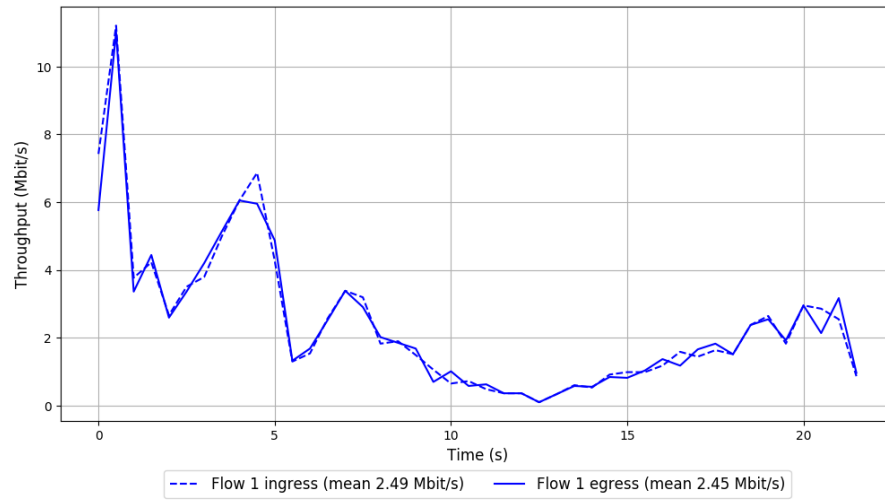
End at: 2017-12-01 05:34:51

Local clock offset: 0.297 ms

Remote clock offset: -8.72 ms



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



Run 8: Statistics of TCP Vegas

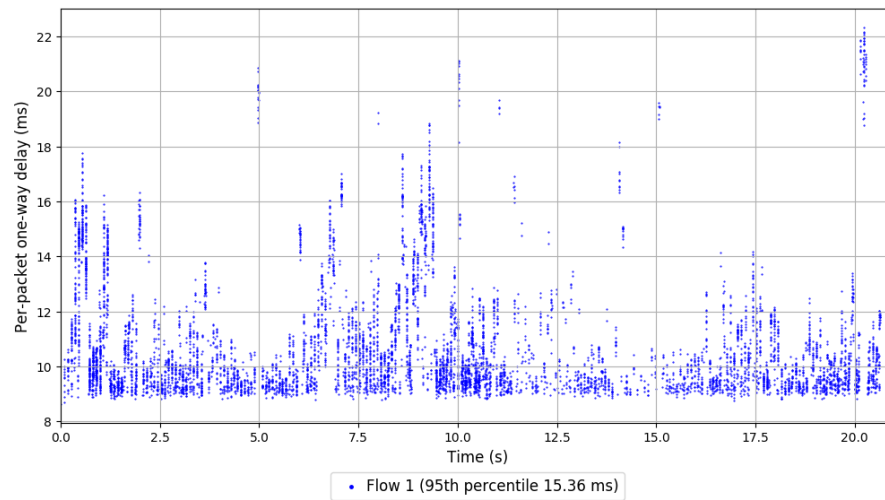
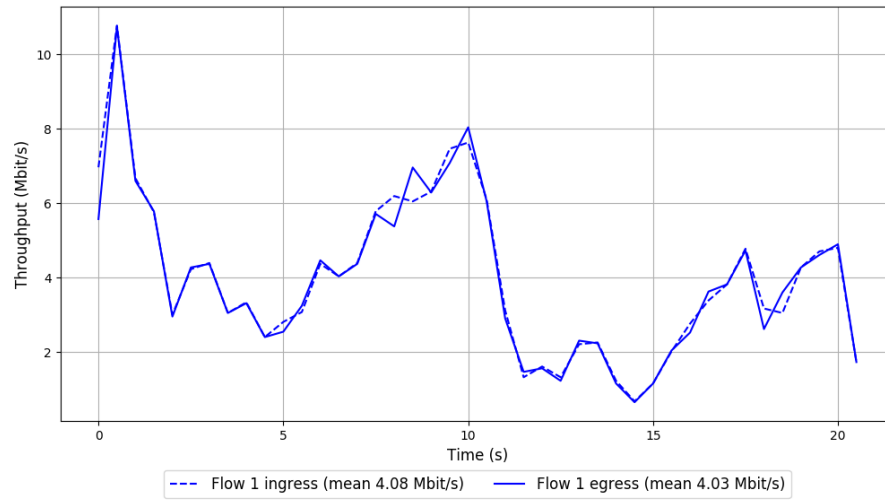
Start at: 2017-12-01 05:51:22

End at: 2017-12-01 05:51:52

Local clock offset: 0.908 ms

Remote clock offset: -42.285 ms

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



Run 9: Statistics of TCP Vegas

/home/ubuntu/pantheon\_data/2017-12-01T03-53-AWS-Korea-to-China-10-runs/vegas\_stats\_run9.log

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

Figure is missing

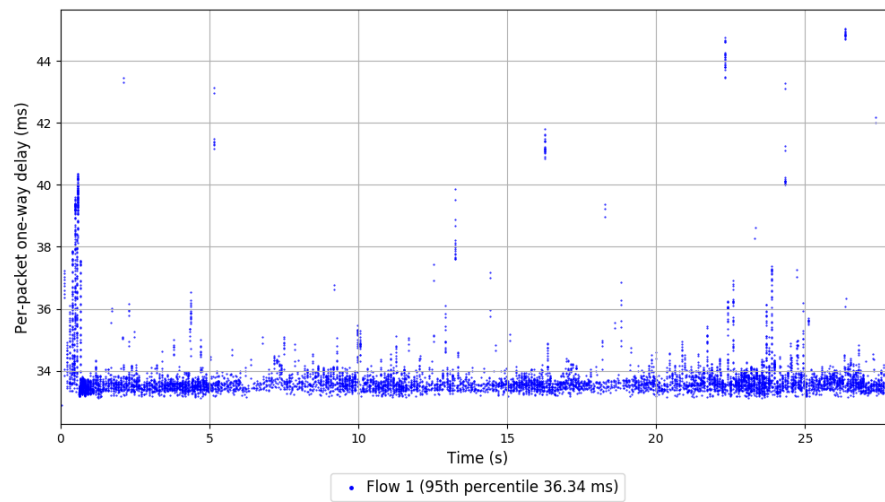
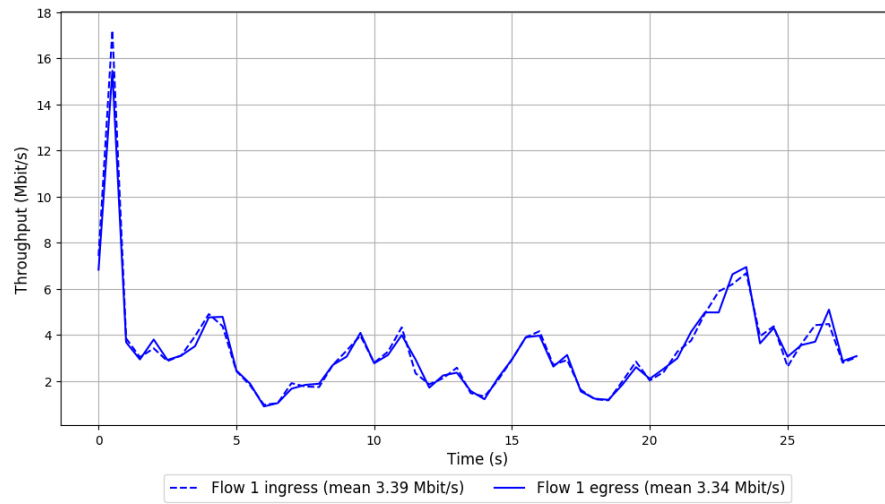
Figure is missing

Run 10: Statistics of TCP Vegas

Start at: 2017-12-01 06:27:02  
End at: 2017-12-01 06:27:32  
Local clock offset: 1.635 ms  
Remote clock offset: -16.685 ms

# Below is generated by plot.py at 2017-12-01 07:07:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.34 Mbit/s  
95th percentile per-packet one-way delay: 36.336 ms  
Loss rate: 1.51%  
-- Flow 1:  
Average throughput: 3.34 Mbit/s  
95th percentile per-packet one-way delay: 36.336 ms  
Loss rate: 1.51%

# Run 10: Report of TCP Vegas — Data Link



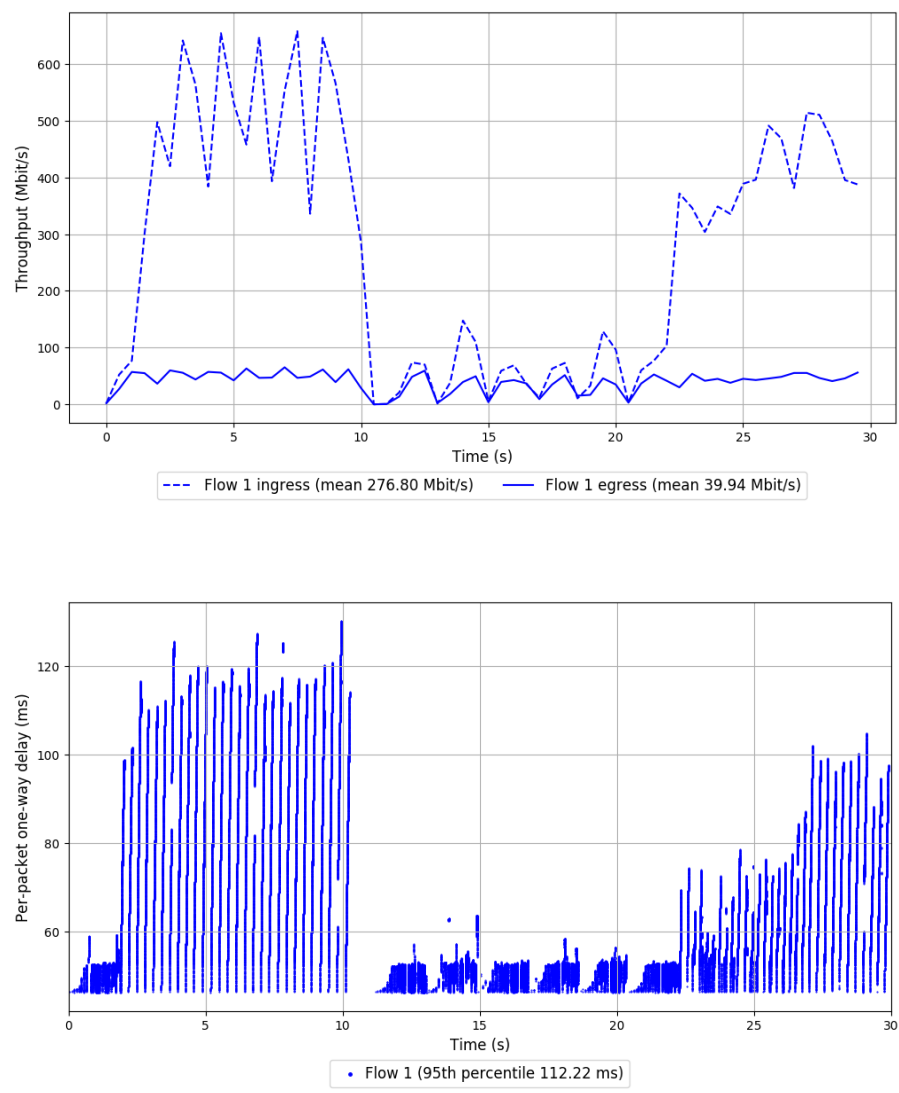
Run 1: Statistics of Verus

Start at: 2017-12-01 04:03:38  
End at: 2017-12-01 04:04:08  
Local clock offset: -0.322 ms  
Remote clock offset: -6.184 ms

# Below is generated by plot.py at 2017-12-01 07:07:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 39.94 Mbit/s  
95th percentile per-packet one-way delay: 112.221 ms  
Loss rate: 85.55%  
-- Flow 1:  
Average throughput: 39.94 Mbit/s  
95th percentile per-packet one-way delay: 112.221 ms  
Loss rate: 85.55%



Run 1: Report of Verus — Data Link

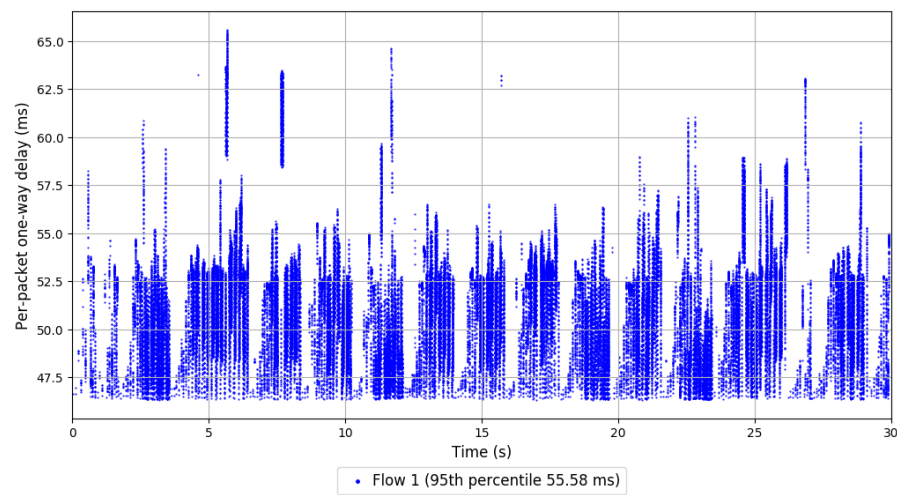
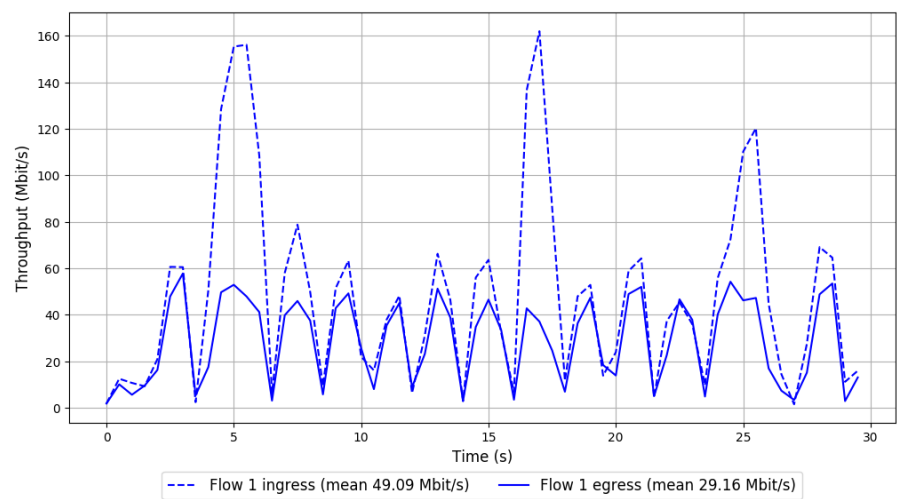


Run 2: Statistics of Verus

Start at: 2017-12-01 04:20:25  
End at: 2017-12-01 04:20:55  
Local clock offset: -0.506 ms  
Remote clock offset: -6.494 ms

# Below is generated by plot.py at 2017-12-01 07:07:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 29.16 Mbit/s  
95th percentile per-packet one-way delay: 55.576 ms  
Loss rate: 40.58%  
-- Flow 1:  
Average throughput: 29.16 Mbit/s  
95th percentile per-packet one-way delay: 55.576 ms  
Loss rate: 40.58%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2017-12-01 04:36:58

End at: 2017-12-01 04:37:28

Local clock offset: -0.413 ms

Remote clock offset: -6.76 ms

# Below is generated by plot.py at 2017-12-01 07:08:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 46.52 Mbit/s

95th percentile per-packet one-way delay: 109.134 ms

Loss rate: 87.88%

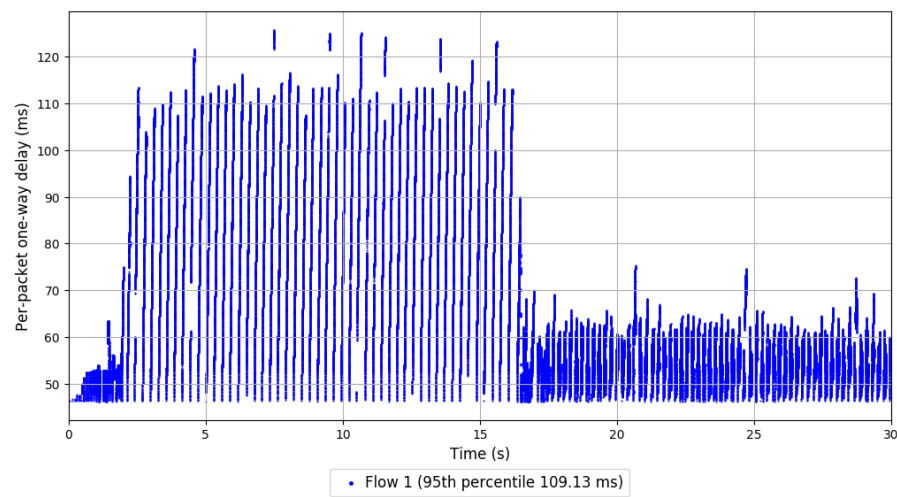
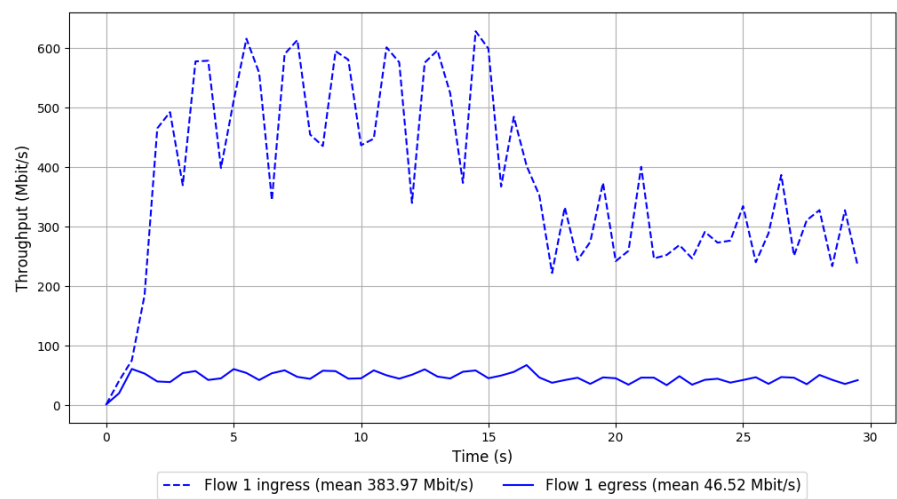
-- Flow 1:

Average throughput: 46.52 Mbit/s

95th percentile per-packet one-way delay: 109.134 ms

Loss rate: 87.88%

Run 3: Report of Verus — Data Link

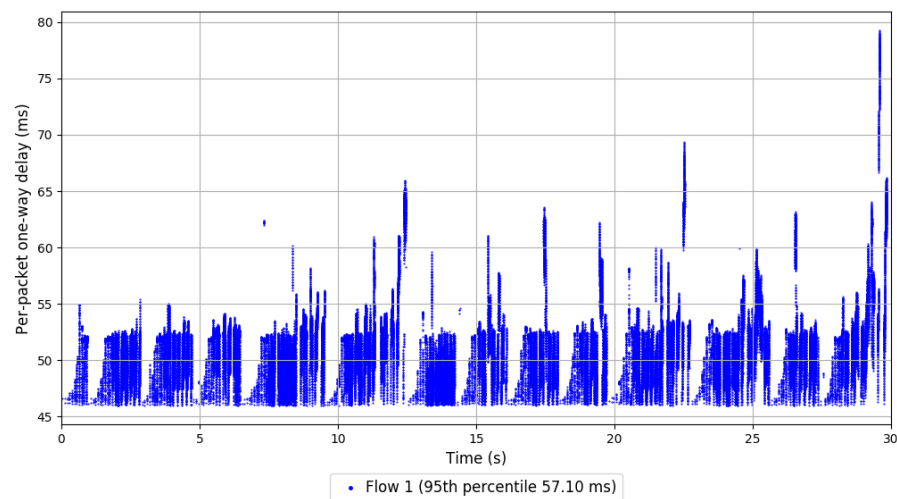
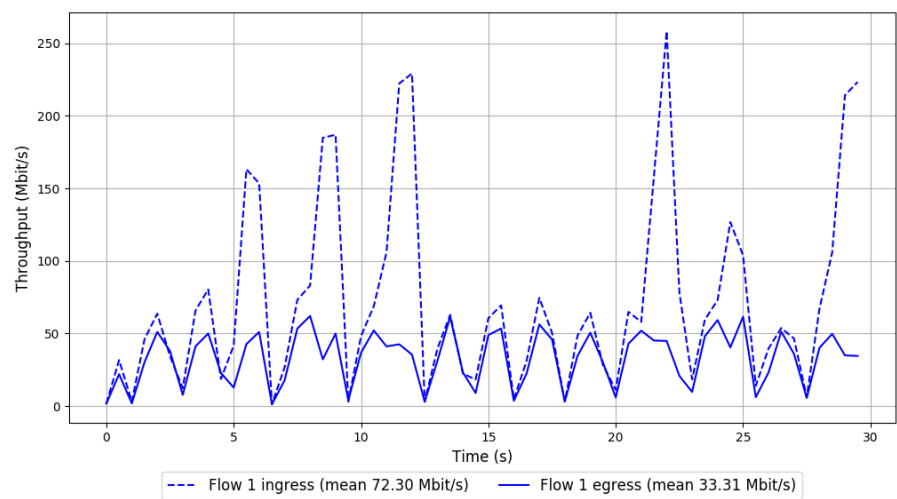


Run 4: Statistics of Verus

Start at: 2017-12-01 04:53:41  
End at: 2017-12-01 04:54:11  
Local clock offset: -0.424 ms  
Remote clock offset: -7.022 ms

# Below is generated by plot.py at 2017-12-01 07:08:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 33.31 Mbit/s  
95th percentile per-packet one-way delay: 57.105 ms  
Loss rate: 53.90%  
-- Flow 1:  
Average throughput: 33.31 Mbit/s  
95th percentile per-packet one-way delay: 57.105 ms  
Loss rate: 53.90%

Run 4: Report of Verus — Data Link



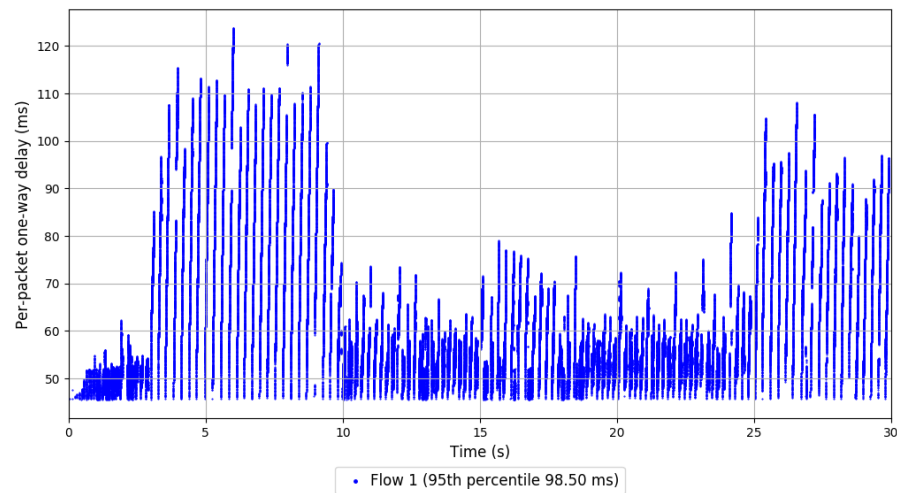
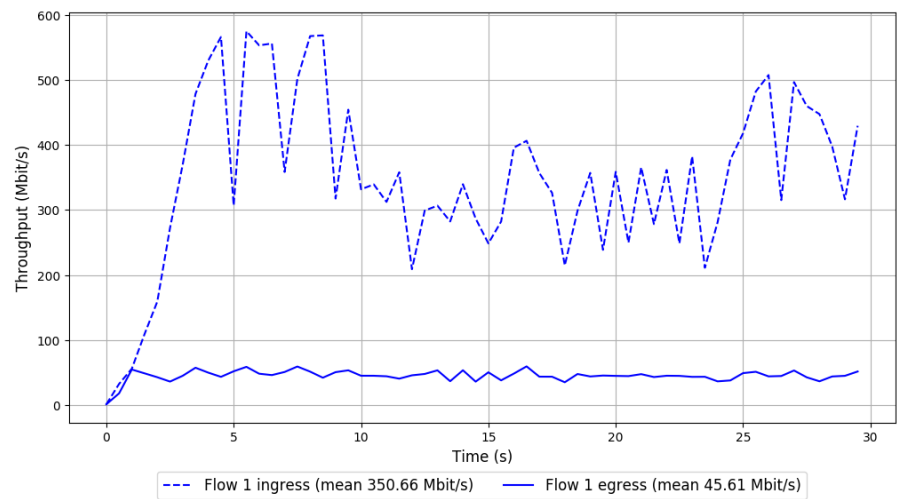
Run 5: Statistics of Verus

Start at: 2017-12-01 05:10:18  
End at: 2017-12-01 05:10:48  
Local clock offset: -0.262 ms  
Remote clock offset: -7.566 ms

# Below is generated by plot.py at 2017-12-01 07:08:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.61 Mbit/s  
95th percentile per-packet one-way delay: 98.496 ms  
Loss rate: 86.97%  
-- Flow 1:  
Average throughput: 45.61 Mbit/s  
95th percentile per-packet one-way delay: 98.496 ms  
Loss rate: 86.97%



Run 5: Report of Verus — Data Link

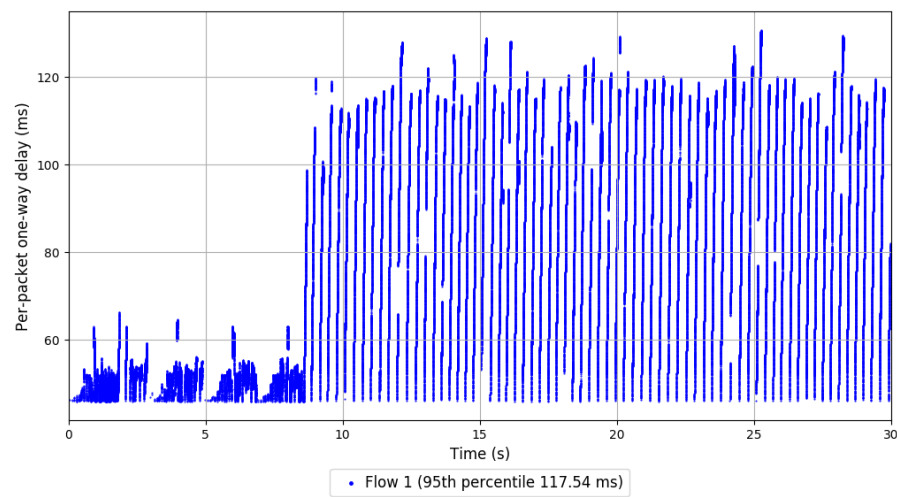
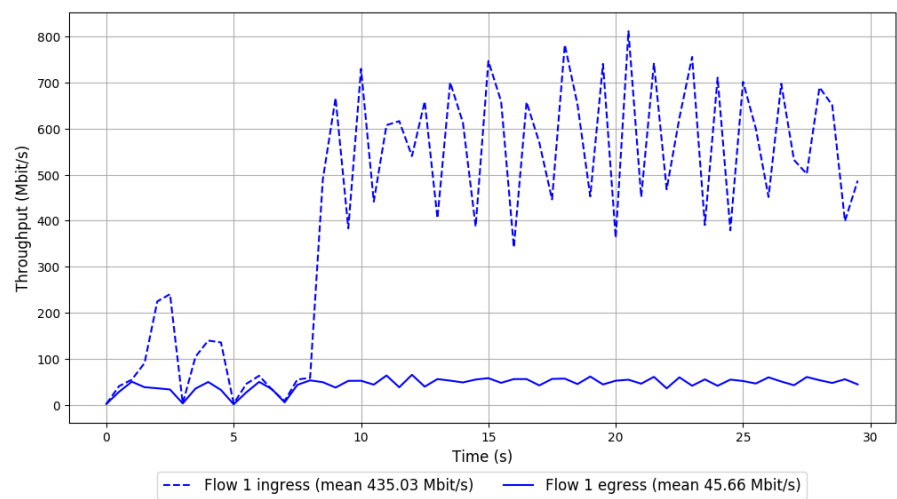


Run 6: Statistics of Verus

Start at: 2017-12-01 05:27:04  
End at: 2017-12-01 05:27:34  
Local clock offset: 0.03 ms  
Remote clock offset: -7.046 ms

# Below is generated by plot.py at 2017-12-01 07:08:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.66 Mbit/s  
95th percentile per-packet one-way delay: 117.543 ms  
Loss rate: 89.49%  
-- Flow 1:  
Average throughput: 45.66 Mbit/s  
95th percentile per-packet one-way delay: 117.543 ms  
Loss rate: 89.49%

Run 6: Report of Verus — Data Link

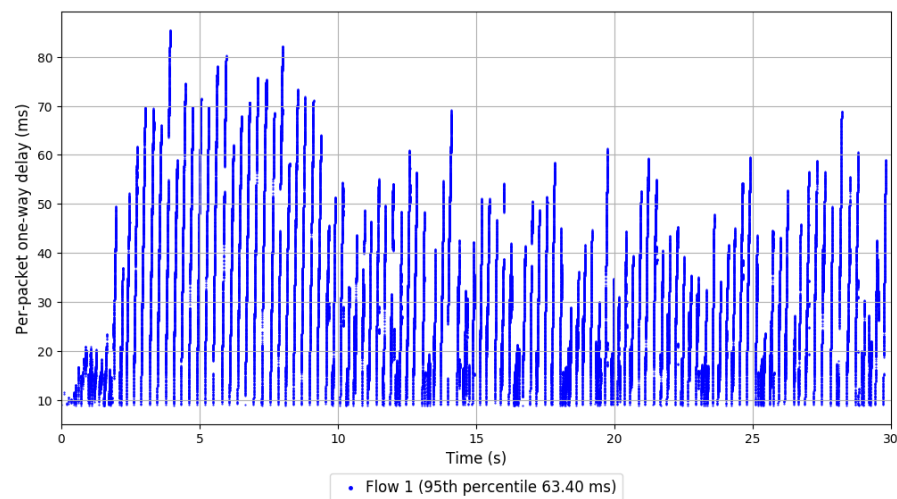
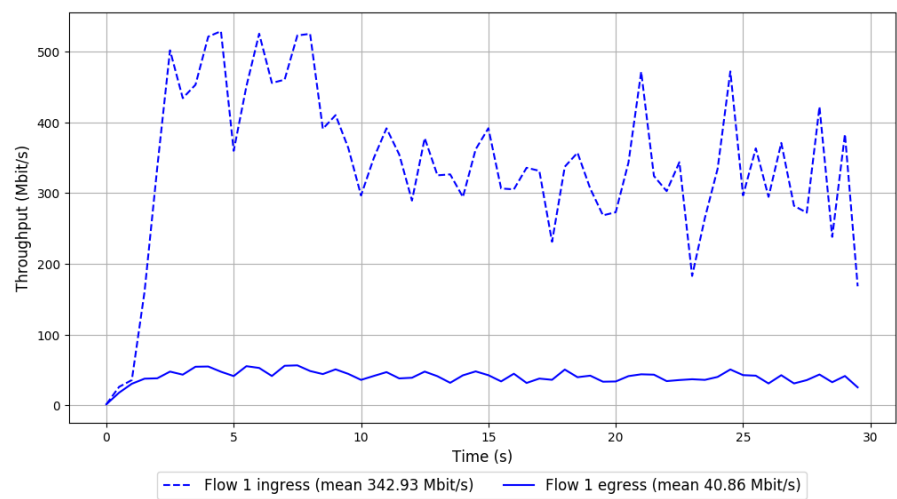


Run 7: Statistics of Verus

Start at: 2017-12-01 05:44:06  
End at: 2017-12-01 05:44:36  
Local clock offset: 0.69 ms  
Remote clock offset: -42.658 ms

# Below is generated by plot.py at 2017-12-01 07:08:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 40.86 Mbit/s  
95th percentile per-packet one-way delay: 63.404 ms  
Loss rate: 88.06%  
-- Flow 1:  
Average throughput: 40.86 Mbit/s  
95th percentile per-packet one-way delay: 63.404 ms  
Loss rate: 88.06%

Run 7: Report of Verus — Data Link

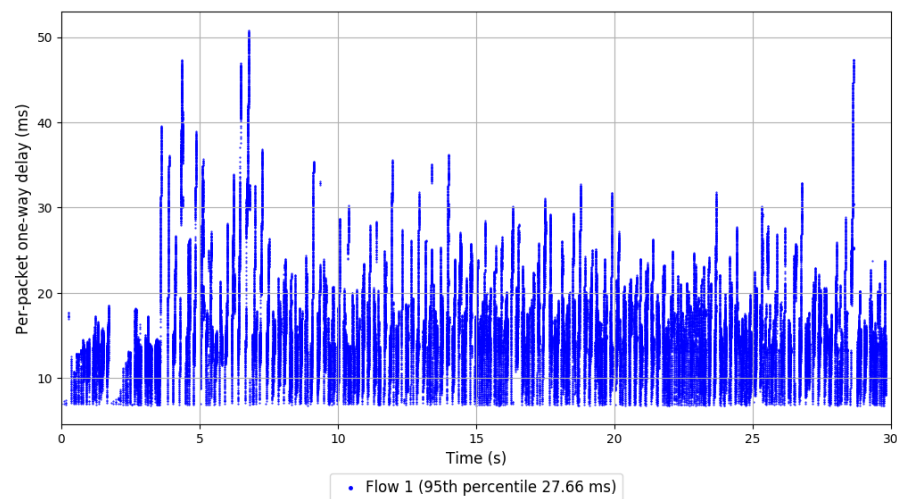
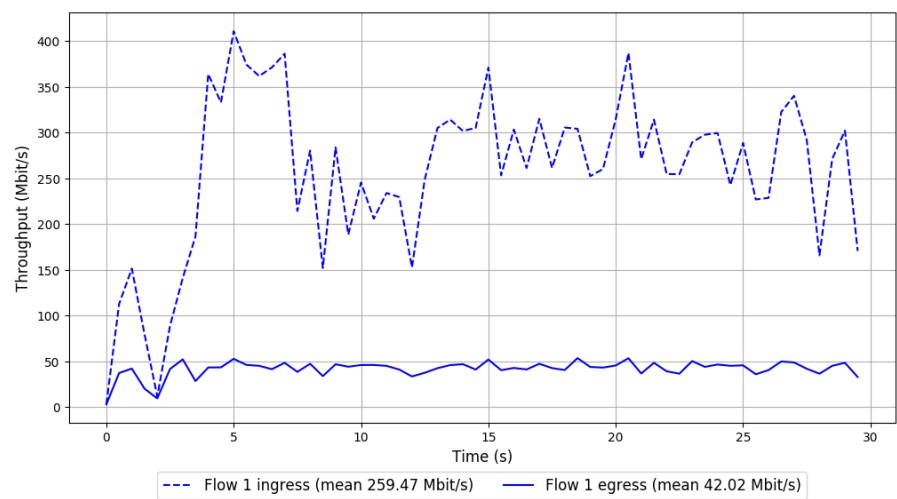


Run 8: Statistics of Verus

Start at: 2017-12-01 06:00:50  
End at: 2017-12-01 06:01:20  
Local clock offset: 1.136 ms  
Remote clock offset: -43.779 ms

# Below is generated by plot.py at 2017-12-01 07:08:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 42.02 Mbit/s  
95th percentile per-packet one-way delay: 27.664 ms  
Loss rate: 83.80%  
-- Flow 1:  
Average throughput: 42.02 Mbit/s  
95th percentile per-packet one-way delay: 27.664 ms  
Loss rate: 83.80%

Run 8: Report of Verus — Data Link



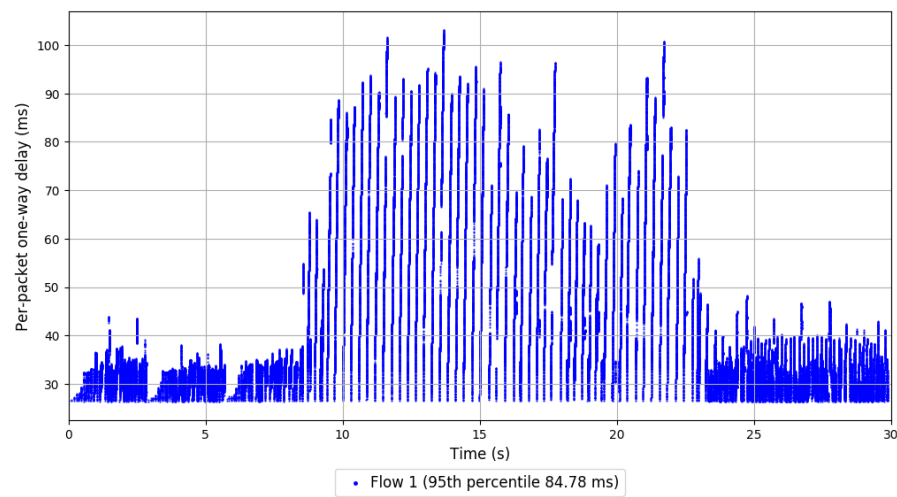
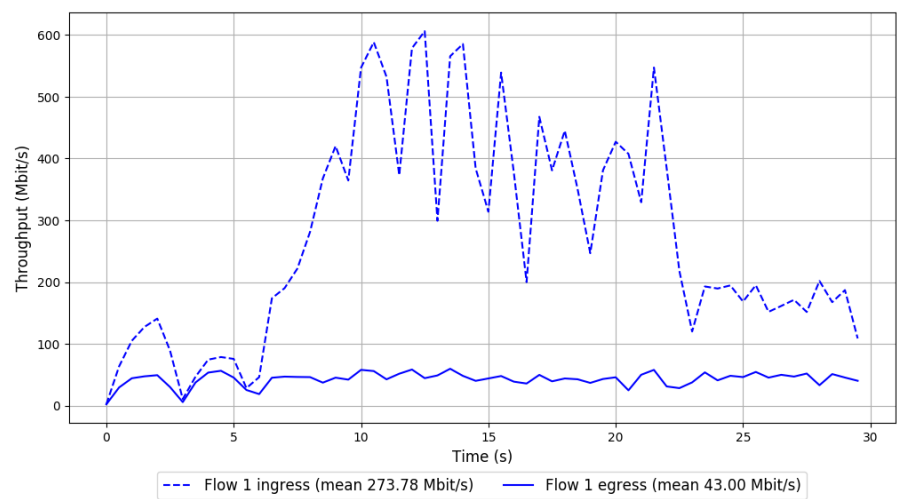
Run 9: Statistics of Verus

Start at: 2017-12-01 06:19:41  
End at: 2017-12-01 06:20:11  
Local clock offset: 1.401 ms  
Remote clock offset: -23.32 ms

# Below is generated by plot.py at 2017-12-01 07:09:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 43.00 Mbit/s  
95th percentile per-packet one-way delay: 84.780 ms  
Loss rate: 84.29%  
-- Flow 1:  
Average throughput: 43.00 Mbit/s  
95th percentile per-packet one-way delay: 84.780 ms  
Loss rate: 84.29%



Run 9: Report of Verus — Data Link

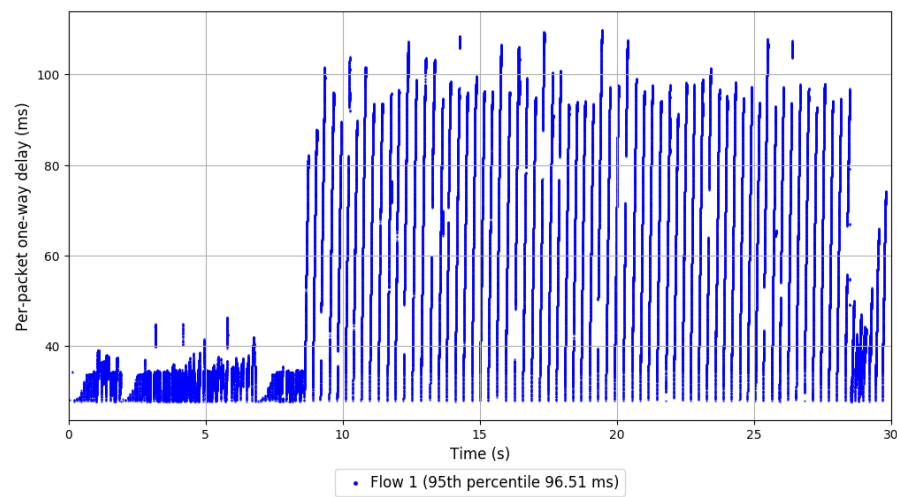
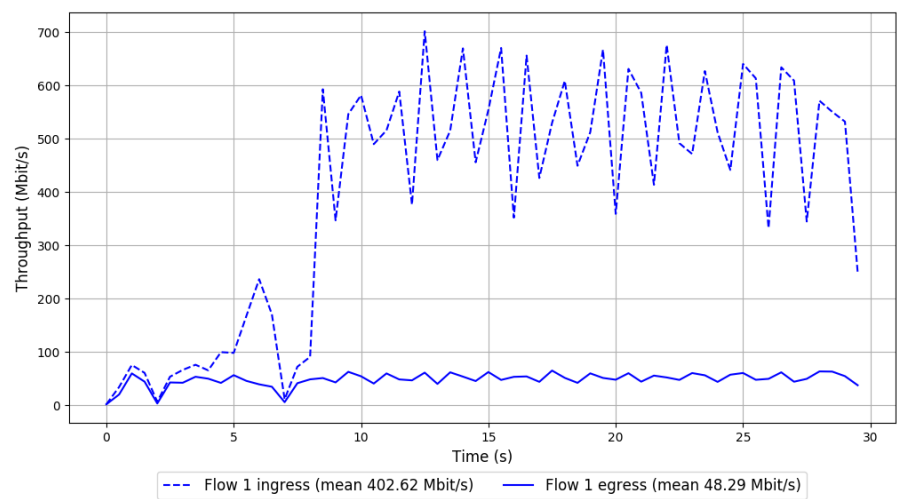


Run 10: Statistics of Verus

Start at: 2017-12-01 06:36:37  
End at: 2017-12-01 06:37:07  
Local clock offset: 1.981 ms  
Remote clock offset: -21.552 ms

# Below is generated by plot.py at 2017-12-01 07:10:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 48.29 Mbit/s  
95th percentile per-packet one-way delay: 96.507 ms  
Loss rate: 87.99%  
-- Flow 1:  
Average throughput: 48.29 Mbit/s  
95th percentile per-packet one-way delay: 96.507 ms  
Loss rate: 87.99%

Run 10: Report of Verus — Data Link

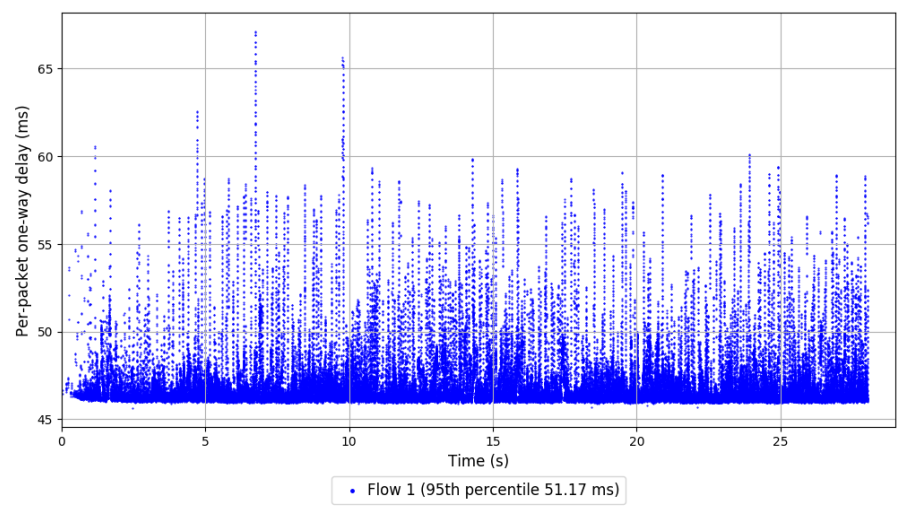
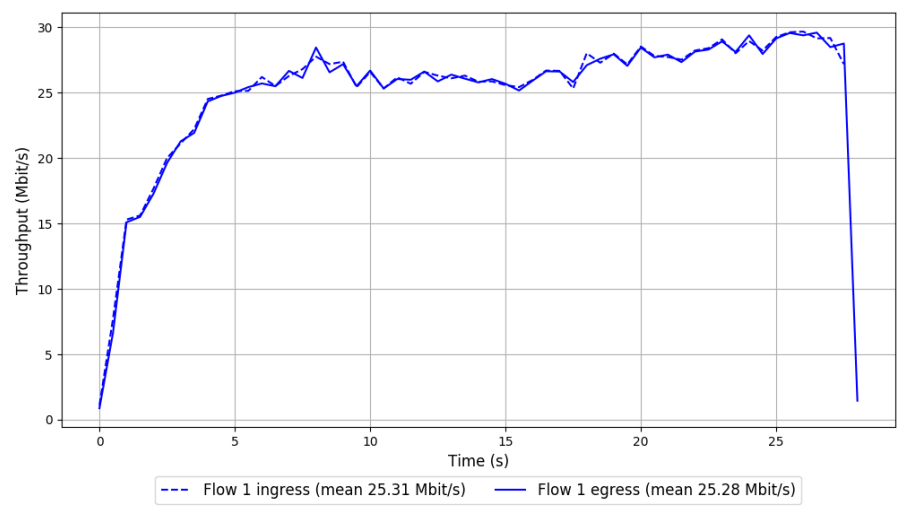


Run 1: Statistics of Copa

Start at: 2017-12-01 03:58:56  
End at: 2017-12-01 03:59:26  
Local clock offset: -0.306 ms  
Remote clock offset: -6.136 ms

# Below is generated by plot.py at 2017-12-01 07:10:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 25.28 Mbit/s  
95th percentile per-packet one-way delay: 51.172 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 25.28 Mbit/s  
95th percentile per-packet one-way delay: 51.172 ms  
Loss rate: 0.14%

Run 1: Report of Copa — Data Link

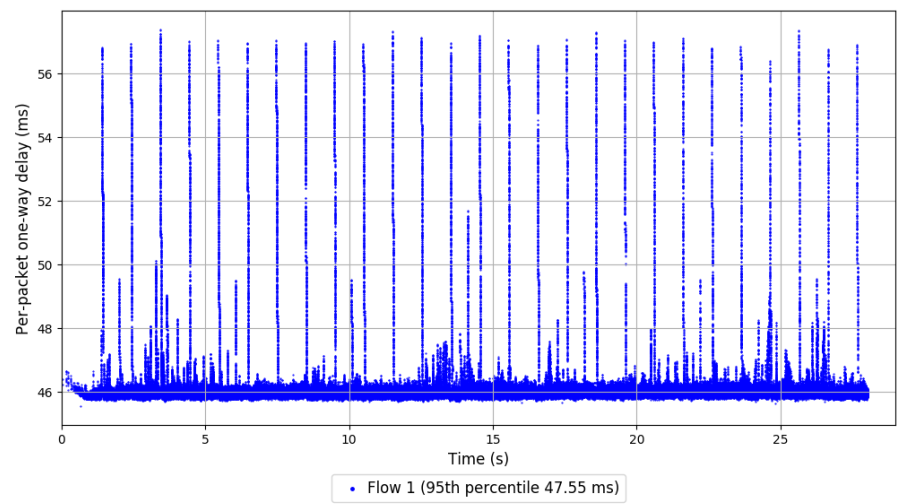
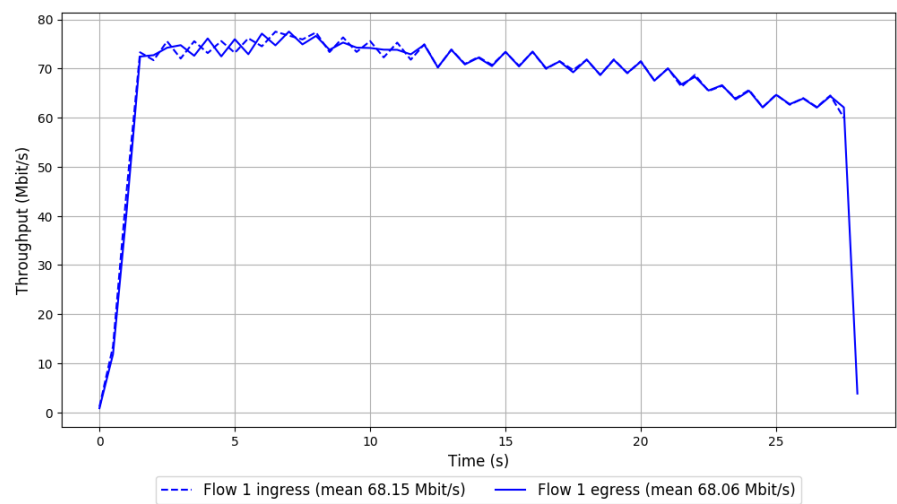


Run 2: Statistics of Copa

Start at: 2017-12-01 04:15:35  
End at: 2017-12-01 04:16:05  
Local clock offset: -0.218 ms  
Remote clock offset: -6.434 ms

# Below is generated by plot.py at 2017-12-01 07:10:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.06 Mbit/s  
95th percentile per-packet one-way delay: 47.545 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 68.06 Mbit/s  
95th percentile per-packet one-way delay: 47.545 ms  
Loss rate: 0.13%

Run 2: Report of Copa — Data Link



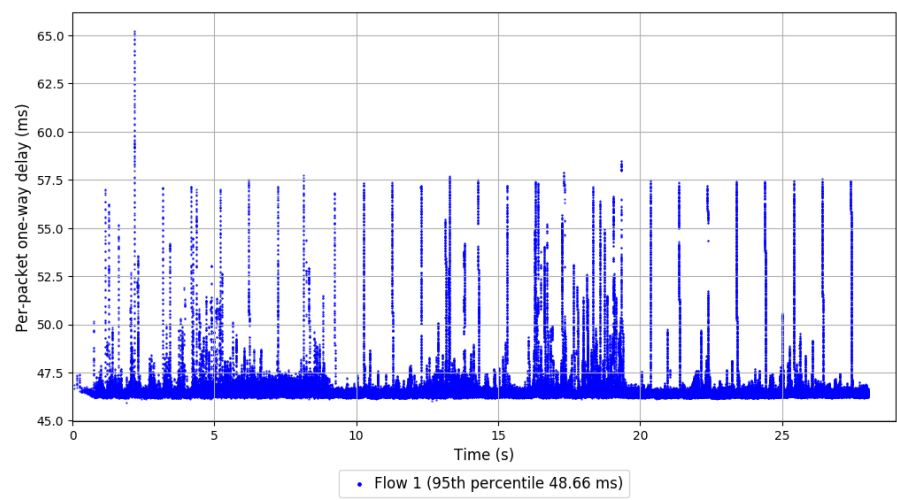
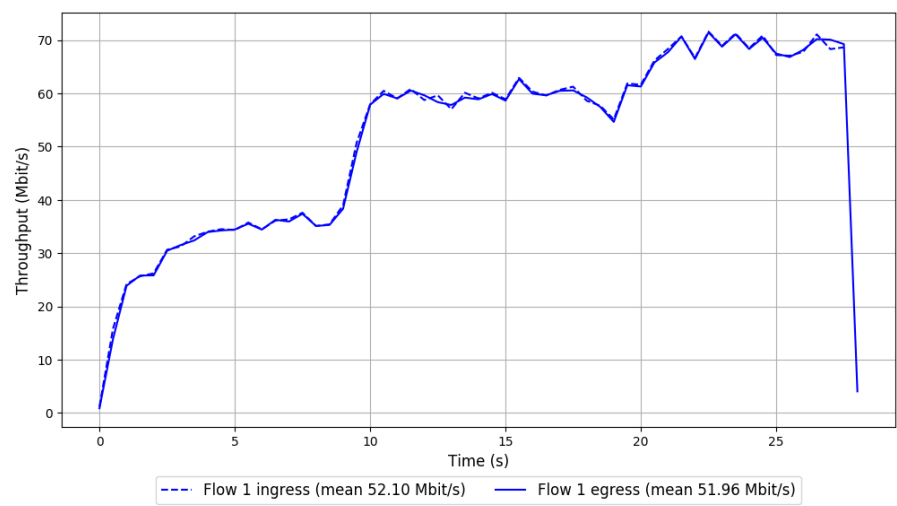
Run 3: Statistics of Copa

Start at: 2017-12-01 04:32:10  
End at: 2017-12-01 04:32:40  
Local clock offset: -0.4 ms  
Remote clock offset: -6.724 ms

# Below is generated by plot.py at 2017-12-01 07:10:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 51.96 Mbit/s  
95th percentile per-packet one-way delay: 48.662 ms  
Loss rate: 0.26%  
-- Flow 1:  
Average throughput: 51.96 Mbit/s  
95th percentile per-packet one-way delay: 48.662 ms  
Loss rate: 0.26%



Run 3: Report of Copa — Data Link

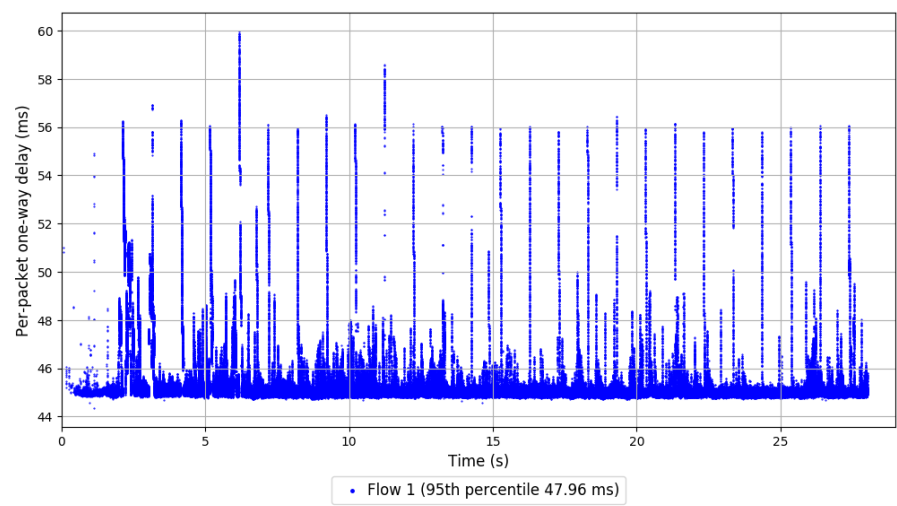
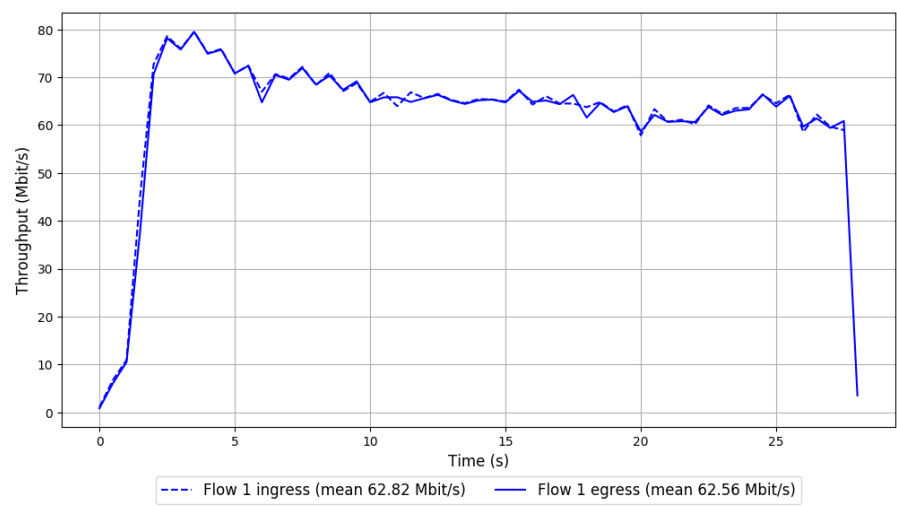


Run 4: Statistics of Copa

Start at: 2017-12-01 04:48:54  
End at: 2017-12-01 04:49:24  
Local clock offset: -0.34 ms  
Remote clock offset: -8.152 ms

# Below is generated by plot.py at 2017-12-01 07:10:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 62.56 Mbit/s  
95th percentile per-packet one-way delay: 47.959 ms  
Loss rate: 0.44%  
-- Flow 1:  
Average throughput: 62.56 Mbit/s  
95th percentile per-packet one-way delay: 47.959 ms  
Loss rate: 0.44%

Run 4: Report of Copa — Data Link

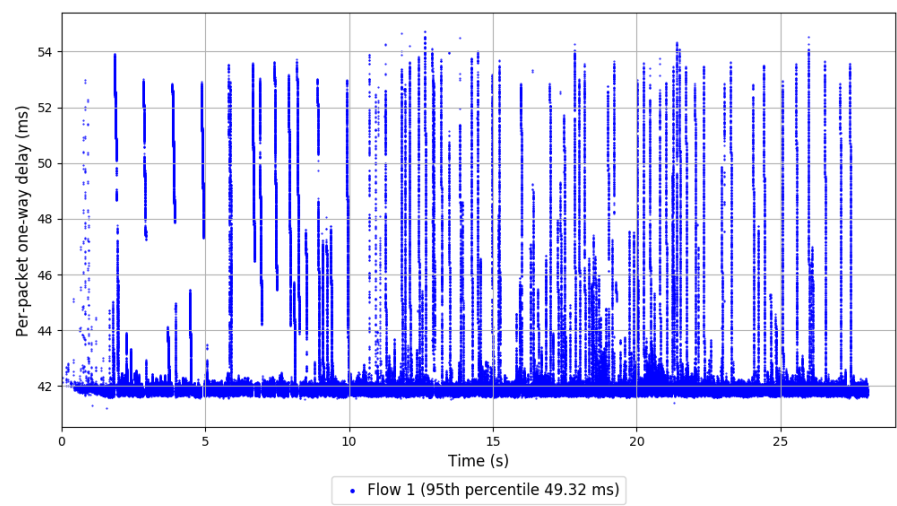
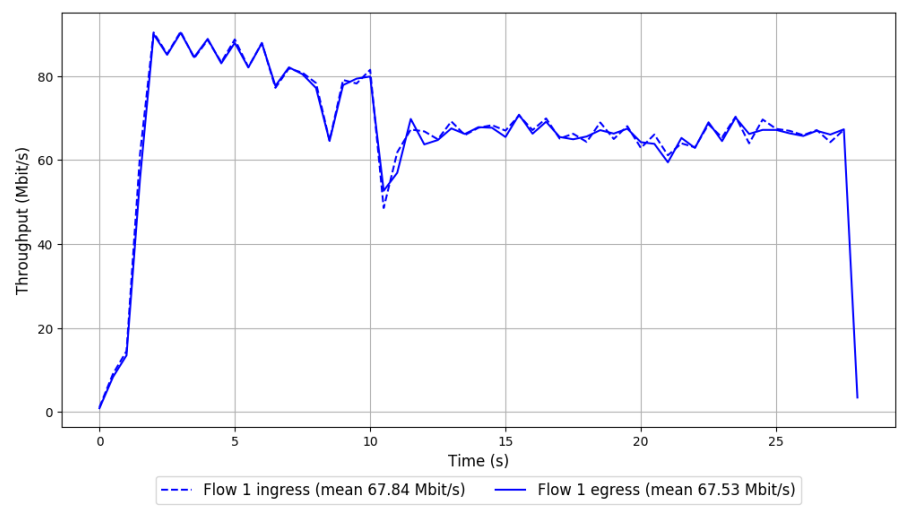


Run 5: Statistics of Copa

Start at: 2017-12-01 05:05:30  
End at: 2017-12-01 05:06:00  
Local clock offset: -0.517 ms  
Remote clock offset: -11.562 ms

# Below is generated by plot.py at 2017-12-01 07:10:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 67.53 Mbit/s  
95th percentile per-packet one-way delay: 49.323 ms  
Loss rate: 0.46%  
-- Flow 1:  
Average throughput: 67.53 Mbit/s  
95th percentile per-packet one-way delay: 49.323 ms  
Loss rate: 0.46%

Run 5: Report of Copa — Data Link

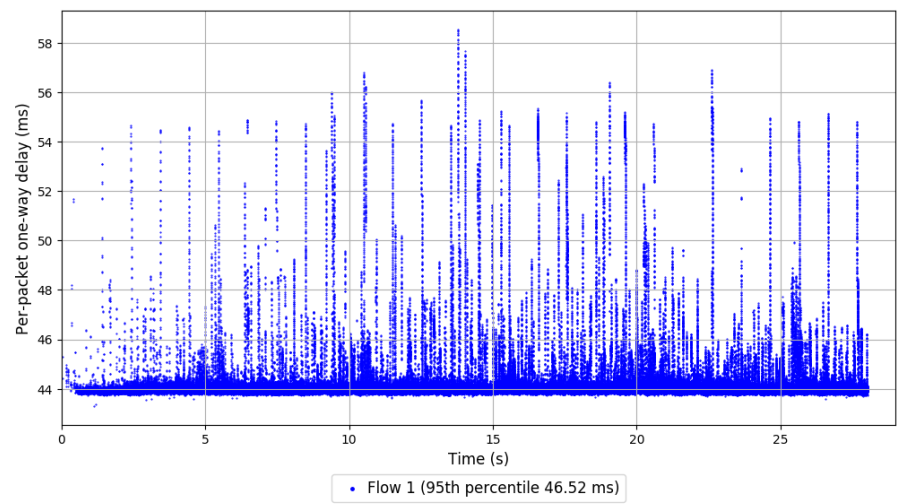
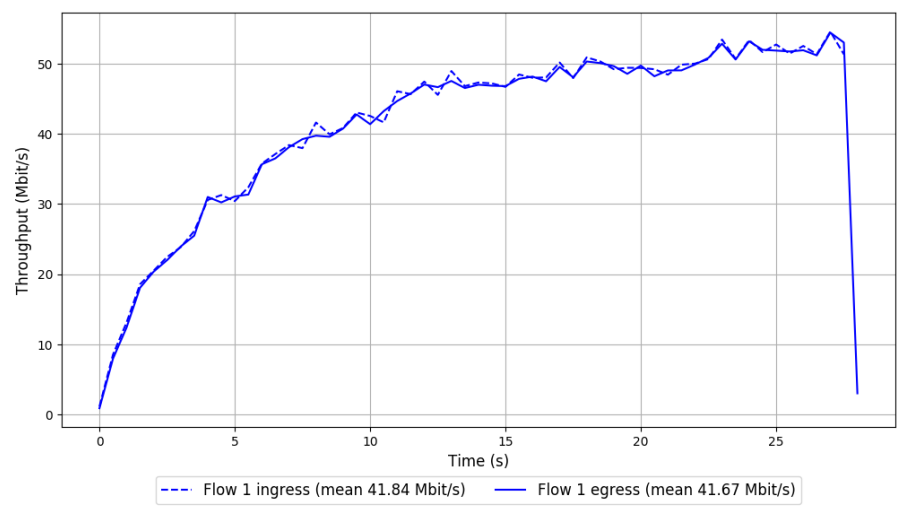


Run 6: Statistics of Copa

Start at: 2017-12-01 05:22:21  
End at: 2017-12-01 05:22:51  
Local clock offset: -0.025 ms  
Remote clock offset: -9.318 ms

# Below is generated by plot.py at 2017-12-01 07:10:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 41.67 Mbit/s  
95th percentile per-packet one-way delay: 46.519 ms  
Loss rate: 0.42%  
-- Flow 1:  
Average throughput: 41.67 Mbit/s  
95th percentile per-packet one-way delay: 46.519 ms  
Loss rate: 0.42%

Run 6: Report of Copa — Data Link



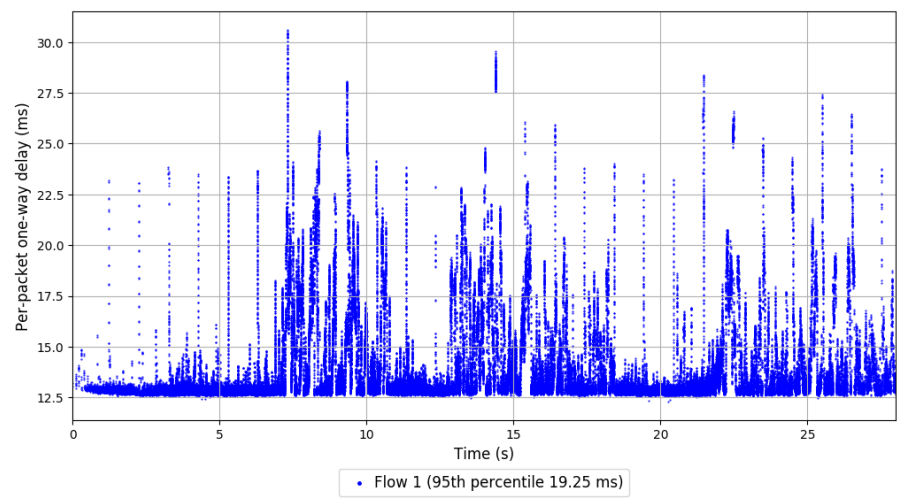
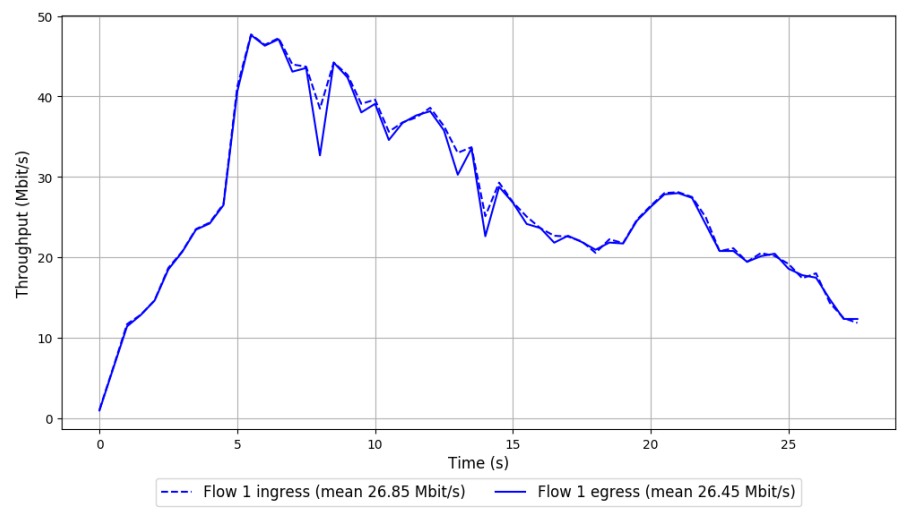
Run 7: Statistics of Copa

Start at: 2017-12-01 05:39:22  
End at: 2017-12-01 05:39:52  
Local clock offset: 0.453 ms  
Remote clock offset: -39.588 ms

# Below is generated by plot.py at 2017-12-01 07:10:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 26.45 Mbit/s  
95th percentile per-packet one-way delay: 19.246 ms  
Loss rate: 1.48%  
-- Flow 1:  
Average throughput: 26.45 Mbit/s  
95th percentile per-packet one-way delay: 19.246 ms  
Loss rate: 1.48%



Run 7: Report of Copa — Data Link

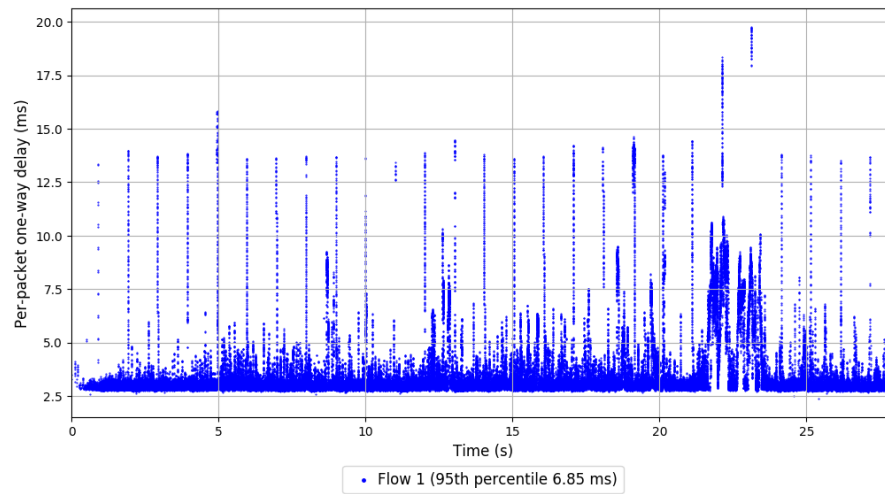
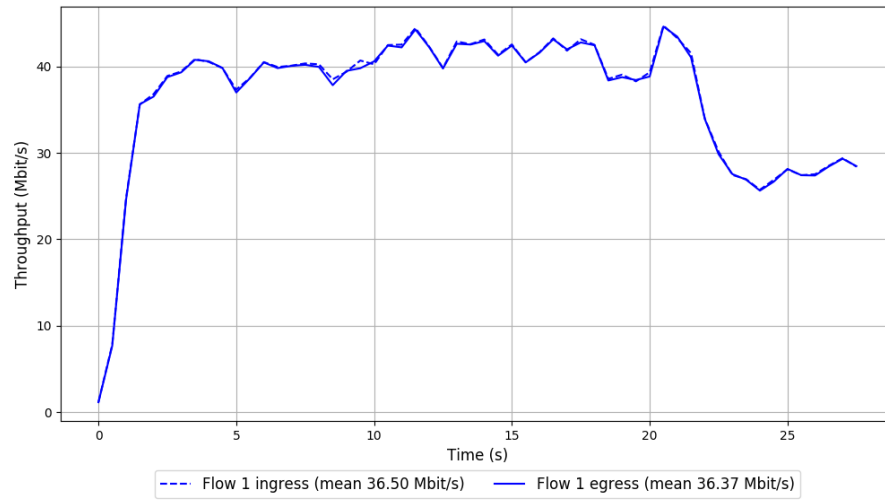


Run 8: Statistics of Copa

Start at: 2017-12-01 05:56:04  
End at: 2017-12-01 05:56:34  
Local clock offset: 0.923 ms  
Remote clock offset: -48.443 ms

# Below is generated by plot.py at 2017-12-01 07:10:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 36.37 Mbit/s  
95th percentile per-packet one-way delay: 6.848 ms  
Loss rate: 0.34%  
-- Flow 1:  
Average throughput: 36.37 Mbit/s  
95th percentile per-packet one-way delay: 6.848 ms  
Loss rate: 0.34%

## Run 8: Report of Copa — Data Link

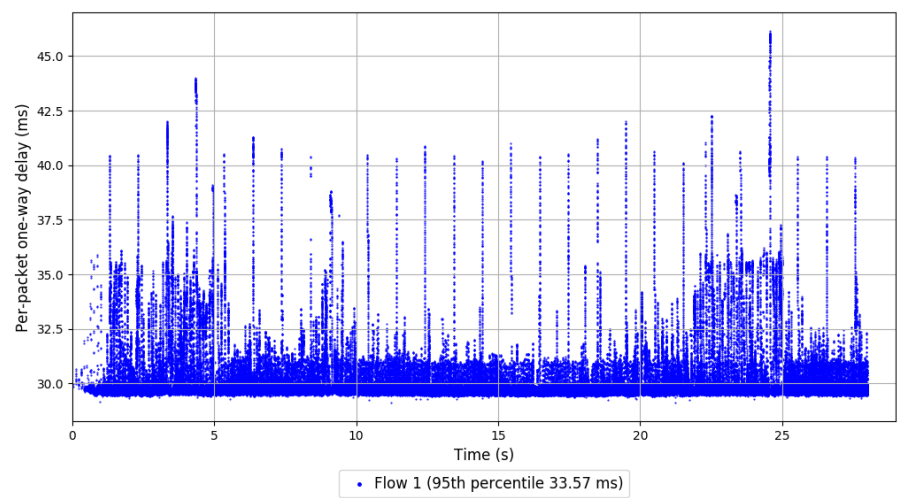
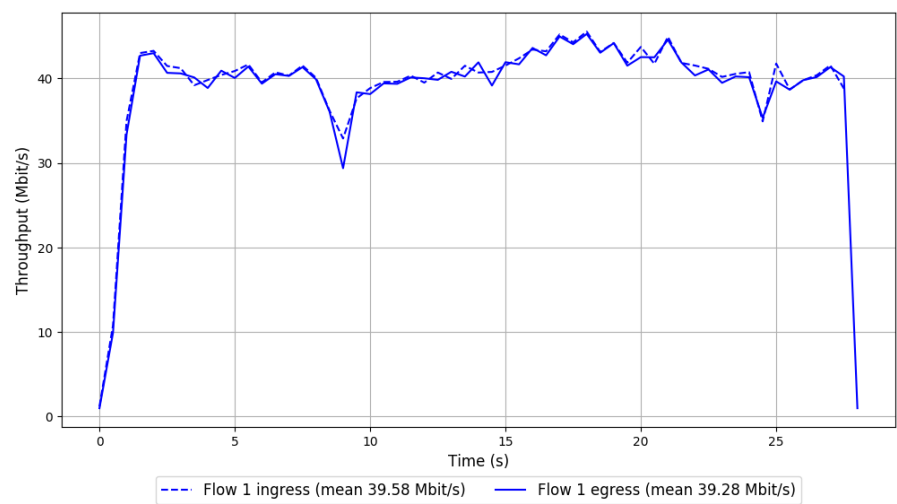


Run 9: Statistics of Copa

Start at: 2017-12-01 06:14:51  
End at: 2017-12-01 06:15:21  
Local clock offset: 1.457 ms  
Remote clock offset: -20.329 ms

# Below is generated by plot.py at 2017-12-01 07:10:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 39.28 Mbit/s  
95th percentile per-packet one-way delay: 33.571 ms  
Loss rate: 0.75%  
-- Flow 1:  
Average throughput: 39.28 Mbit/s  
95th percentile per-packet one-way delay: 33.571 ms  
Loss rate: 0.75%

Run 9: Report of Copa — Data Link

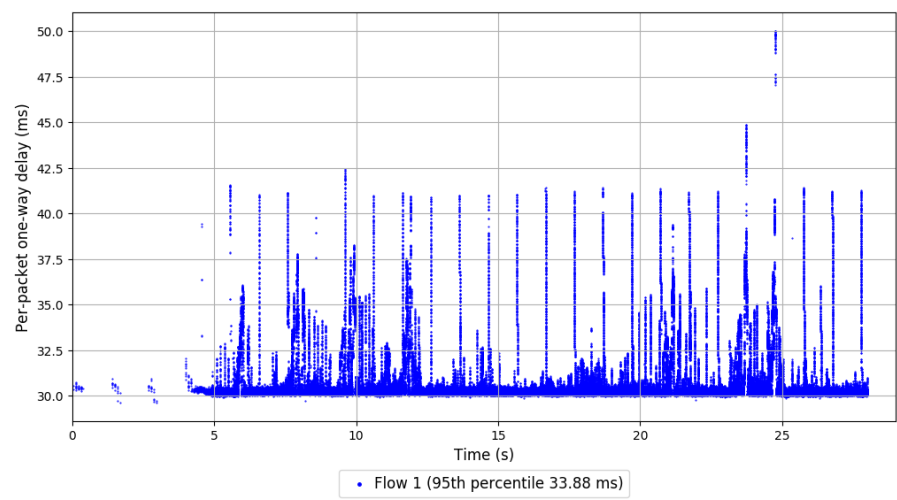
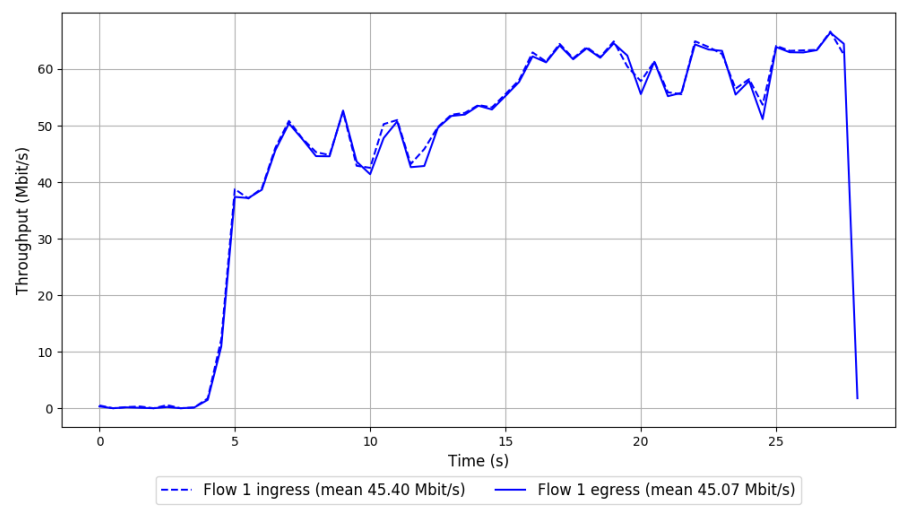


Run 10: Statistics of Copa

Start at: 2017-12-01 06:31:48  
End at: 2017-12-01 06:32:18  
Local clock offset: 1.715 ms  
Remote clock offset: -19.662 ms

# Below is generated by plot.py at 2017-12-01 07:10:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.07 Mbit/s  
95th percentile per-packet one-way delay: 33.878 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 45.07 Mbit/s  
95th percentile per-packet one-way delay: 33.878 ms  
Loss rate: 0.73%

Run 10: Report of Copa — Data Link



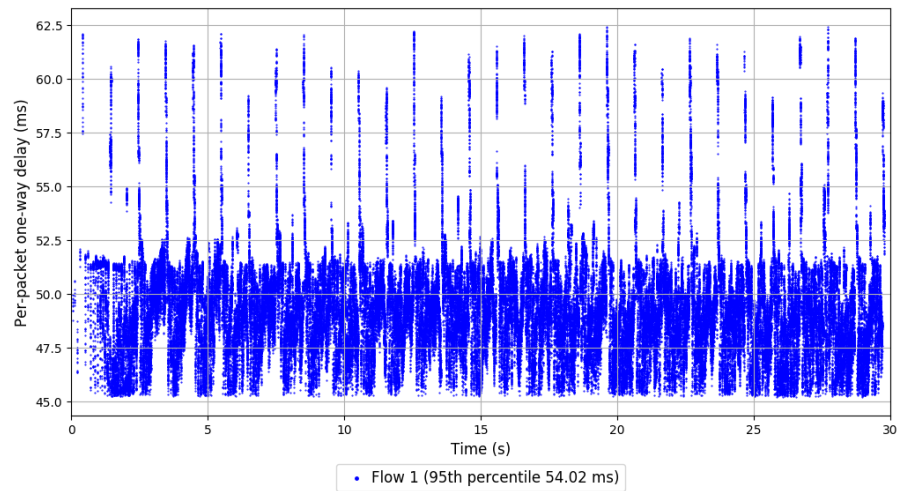
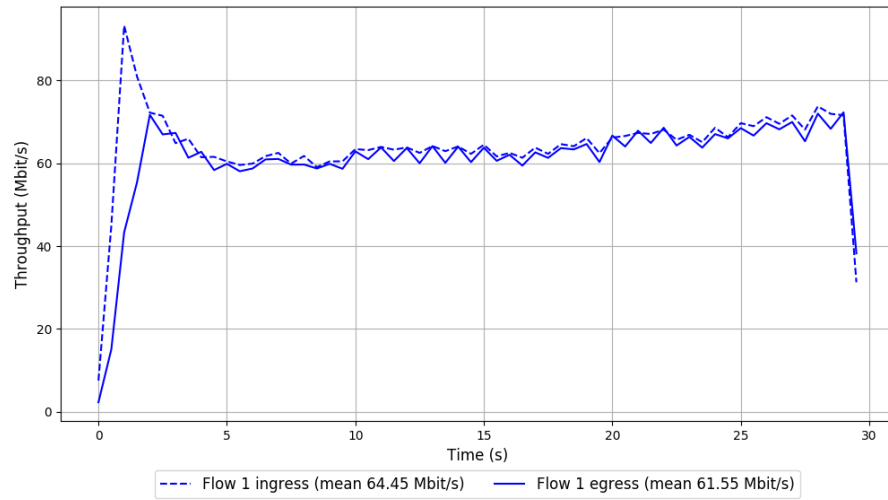
```
Run 1: Statistics of Indigo

Start at: 2017-12-01 04:02:25
End at: 2017-12-01 04:02:55
Local clock offset: -0.191 ms
Remote clock offset: -6.745 ms

# Below is generated by plot.py at 2017-12-01 07:10:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.55 Mbit/s
95th percentile per-packet one-way delay: 54.022 ms
Loss rate: 4.48%
-- Flow 1:
Average throughput: 61.55 Mbit/s
95th percentile per-packet one-way delay: 54.022 ms
Loss rate: 4.48%
```



### Run 1: Report of Indigo — Data Link

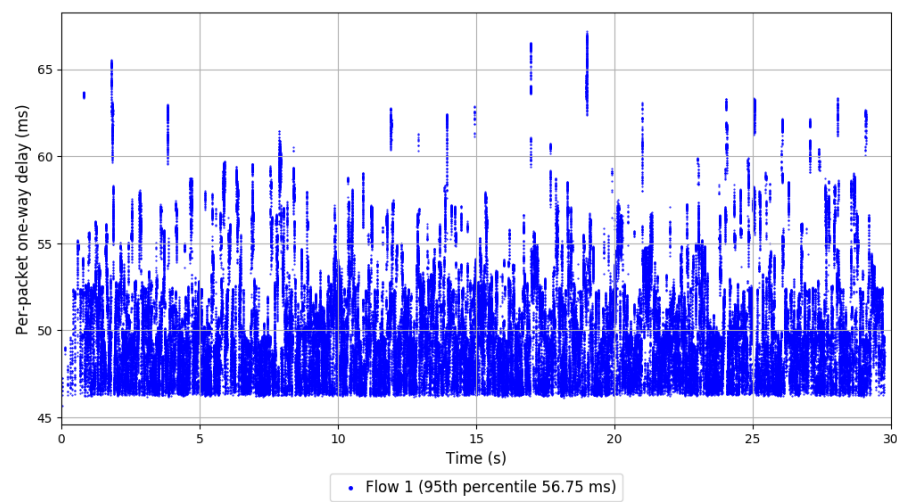
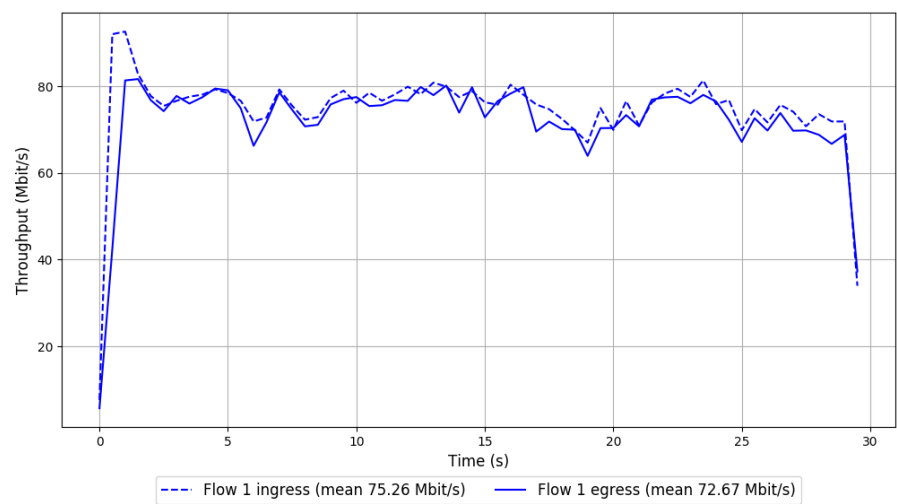


Run 2: Statistics of Indigo

Start at: 2017-12-01 04:19:11  
End at: 2017-12-01 04:19:41  
Local clock offset: -0.323 ms  
Remote clock offset: -6.452 ms

# Below is generated by plot.py at 2017-12-01 07:10:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 72.67 Mbit/s  
95th percentile per-packet one-way delay: 56.754 ms  
Loss rate: 3.43%  
-- Flow 1:  
Average throughput: 72.67 Mbit/s  
95th percentile per-packet one-way delay: 56.754 ms  
Loss rate: 3.43%

Run 2: Report of Indigo — Data Link

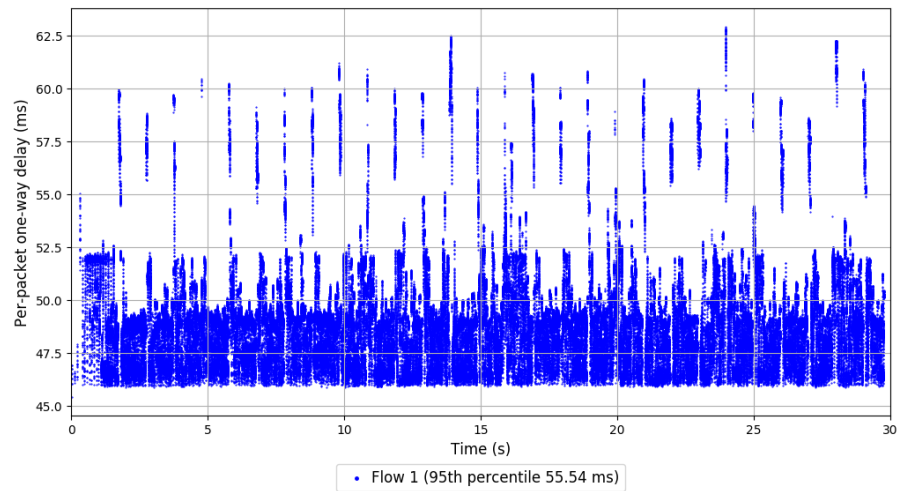
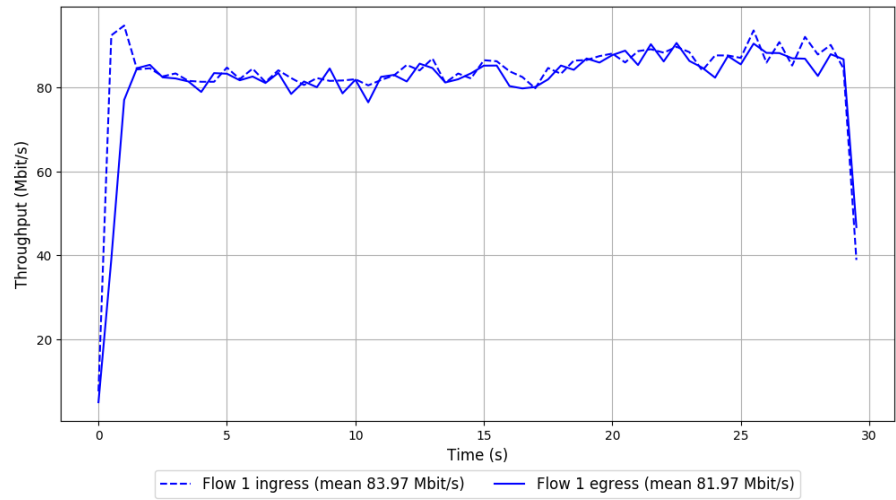


Run 3: Statistics of Indigo

Start at: 2017-12-01 04:35:43  
End at: 2017-12-01 04:36:13  
Local clock offset: -0.406 ms  
Remote clock offset: -6.774 ms

# Below is generated by plot.py at 2017-12-01 07:11:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.97 Mbit/s  
95th percentile per-packet one-way delay: 55.537 ms  
Loss rate: 2.36%  
-- Flow 1:  
Average throughput: 81.97 Mbit/s  
95th percentile per-packet one-way delay: 55.537 ms  
Loss rate: 2.36%

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

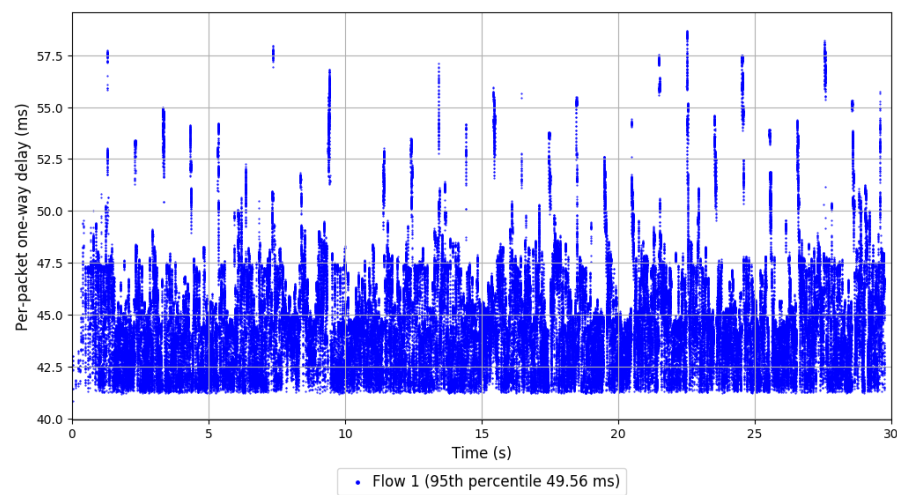
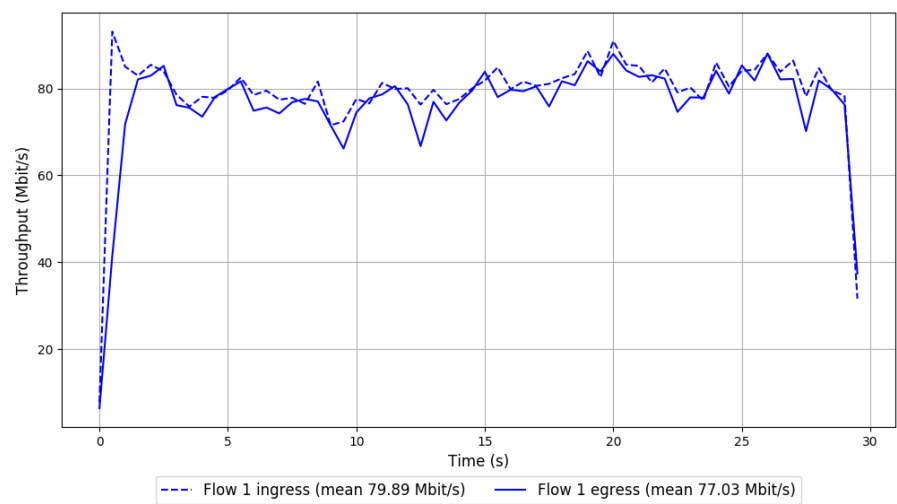


Run 4: Statistics of Indigo

Start at: 2017-12-01 04:52:27  
End at: 2017-12-01 04:52:57  
Local clock offset: -0.426 ms  
Remote clock offset: -11.498 ms

# Below is generated by plot.py at 2017-12-01 07:11:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.03 Mbit/s  
95th percentile per-packet one-way delay: 49.565 ms  
Loss rate: 3.59%  
-- Flow 1:  
Average throughput: 77.03 Mbit/s  
95th percentile per-packet one-way delay: 49.565 ms  
Loss rate: 3.59%

Run 4: Report of Indigo — Data Link



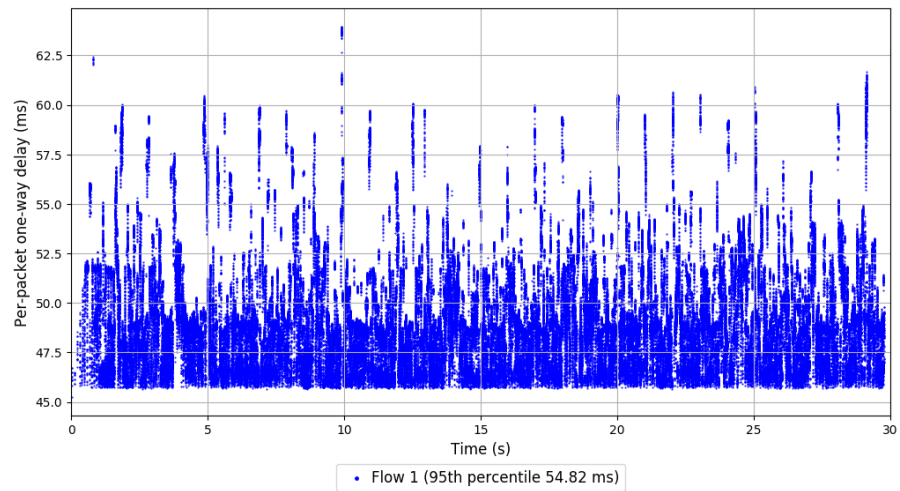
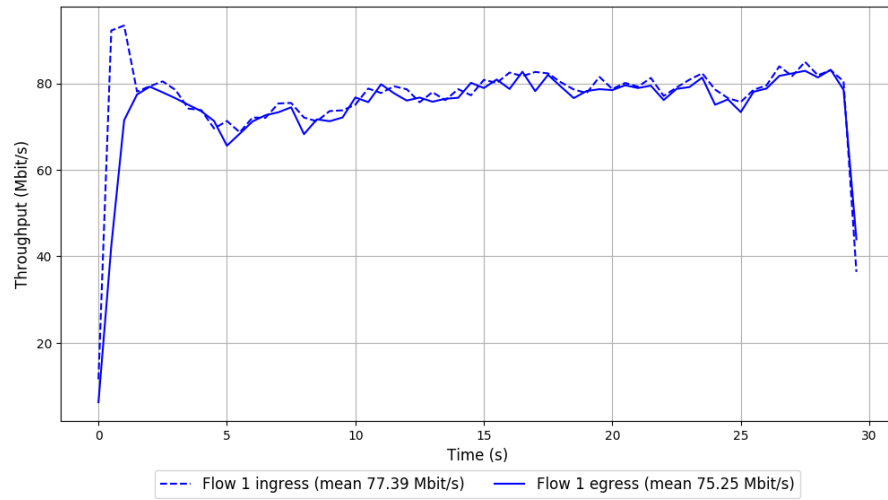
Run 5: Statistics of Indigo

Start at: 2017-12-01 05:09:04  
End at: 2017-12-01 05:09:34  
Local clock offset: -0.182 ms  
Remote clock offset: -7.012 ms

# Below is generated by plot.py at 2017-12-01 07:11:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 75.25 Mbit/s  
95th percentile per-packet one-way delay: 54.820 ms  
Loss rate: 2.76%  
-- Flow 1:  
Average throughput: 75.25 Mbit/s  
95th percentile per-packet one-way delay: 54.820 ms  
Loss rate: 2.76%



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

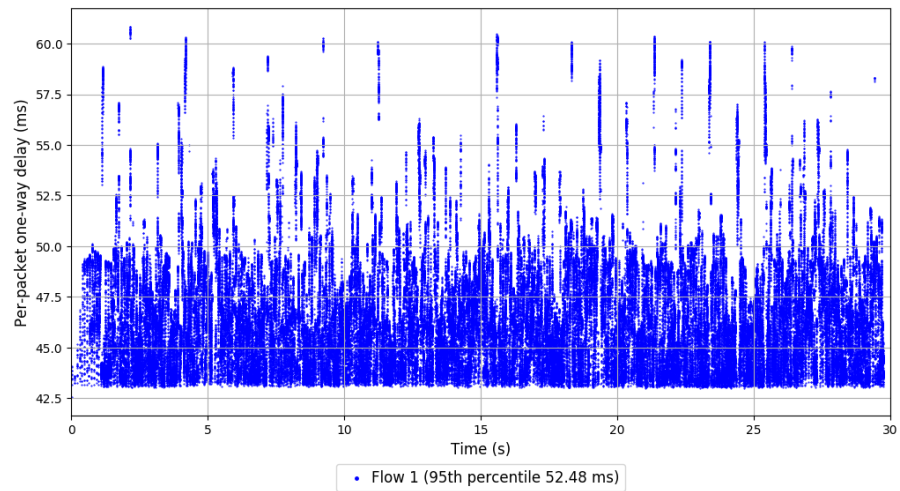
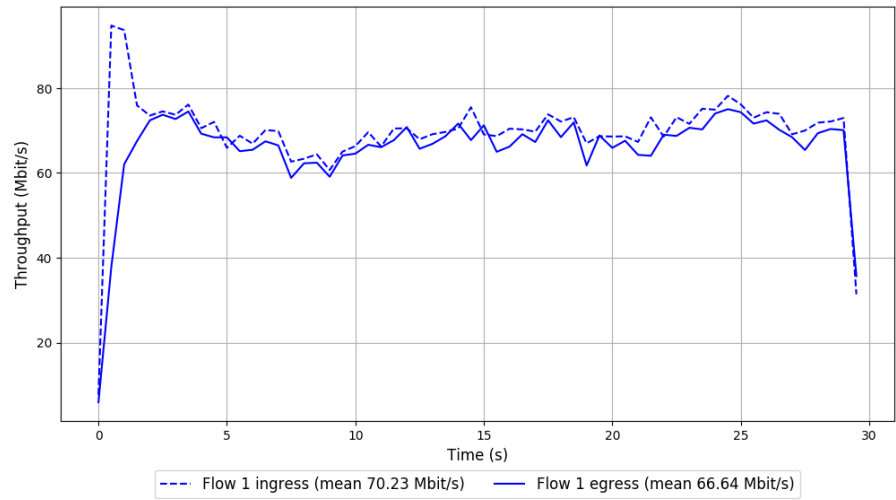


Run 6: Statistics of Indigo

Start at: 2017-12-01 05:25:51  
End at: 2017-12-01 05:26:21  
Local clock offset: 0.137 ms  
Remote clock offset: -9.512 ms

# Below is generated by plot.py at 2017-12-01 07:11:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 66.64 Mbit/s  
95th percentile per-packet one-way delay: 52.479 ms  
Loss rate: 5.11%  
-- Flow 1:  
Average throughput: 66.64 Mbit/s  
95th percentile per-packet one-way delay: 52.479 ms  
Loss rate: 5.11%

# Run 6: Report of Indigo — Data Link

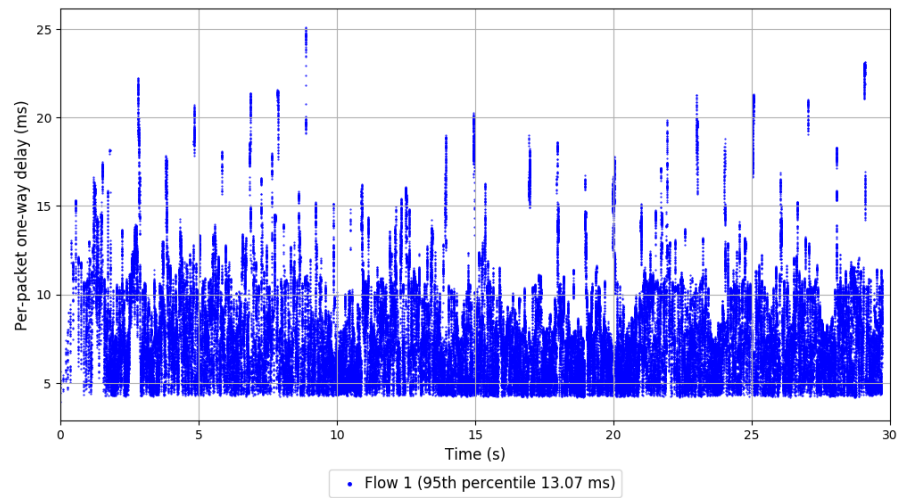
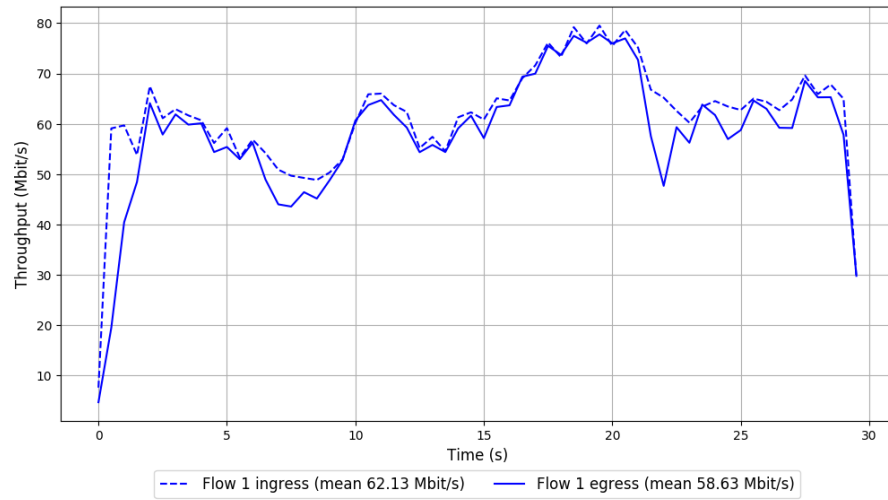


Run 7: Statistics of Indigo

Start at: 2017-12-01 05:42:52  
End at: 2017-12-01 05:43:22  
Local clock offset: 0.674 ms  
Remote clock offset: -47.362 ms

# Below is generated by plot.py at 2017-12-01 07:11:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 58.63 Mbit/s  
95th percentile per-packet one-way delay: 13.074 ms  
Loss rate: 5.61%  
-- Flow 1:  
Average throughput: 58.63 Mbit/s  
95th percentile per-packet one-way delay: 13.074 ms  
Loss rate: 5.61%

### Run 7: Report of Indigo — Data Link

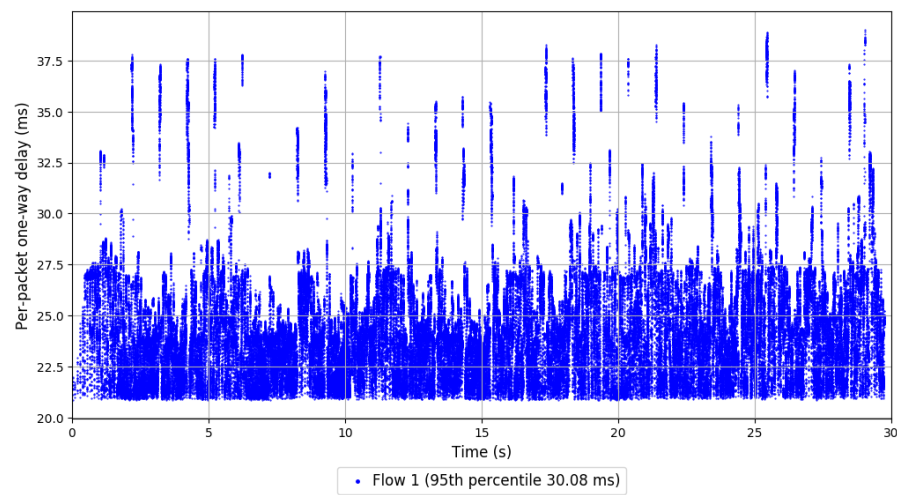
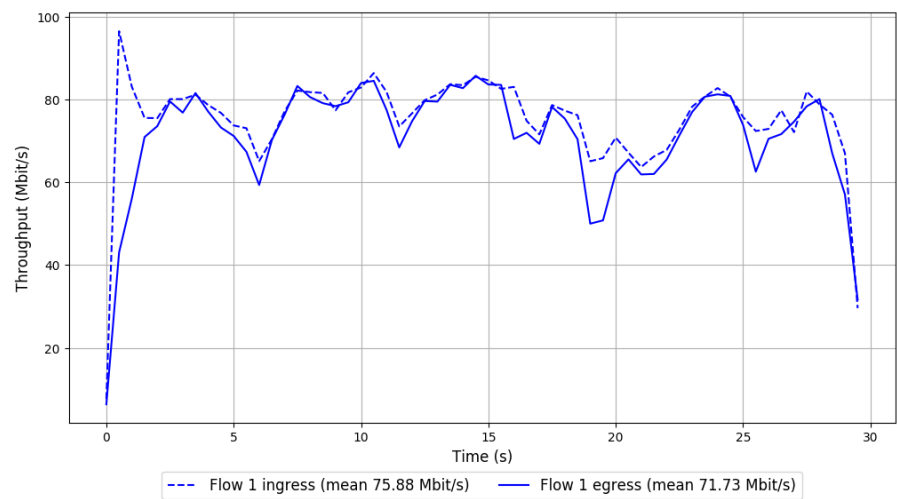


Run 8: Statistics of Indigo

Start at: 2017-12-01 05:59:35  
End at: 2017-12-01 06:00:05  
Local clock offset: 1.253 ms  
Remote clock offset: -29.602 ms

# Below is generated by plot.py at 2017-12-01 07:11:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 71.73 Mbit/s  
95th percentile per-packet one-way delay: 30.084 ms  
Loss rate: 5.45%  
-- Flow 1:  
Average throughput: 71.73 Mbit/s  
95th percentile per-packet one-way delay: 30.084 ms  
Loss rate: 5.45%

Run 8: Report of Indigo — Data Link



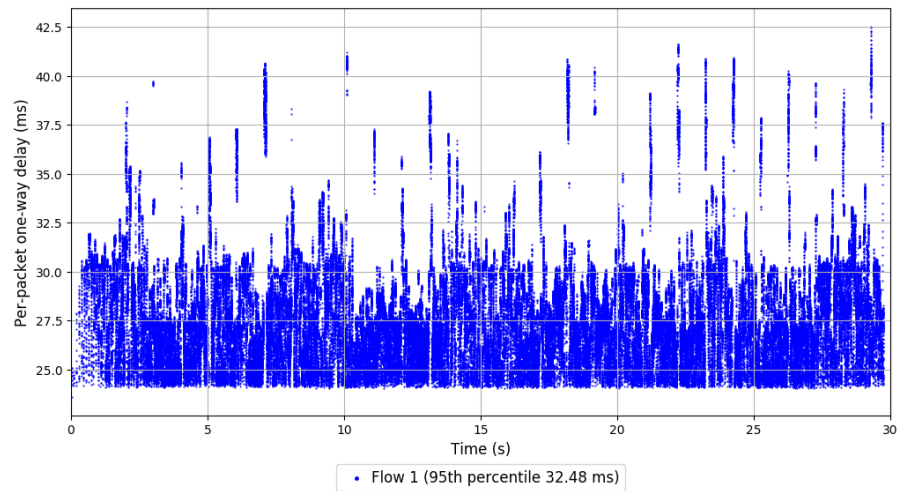
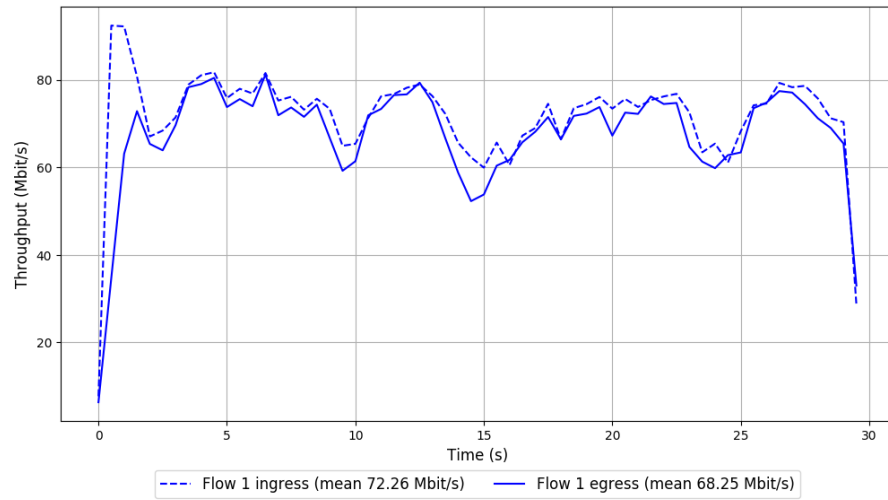
Run 9: Statistics of Indigo

Start at: 2017-12-01 06:18:27  
End at: 2017-12-01 06:18:57  
Local clock offset: 1.395 ms  
Remote clock offset: -25.632 ms

# Below is generated by plot.py at 2017-12-01 07:11:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.25 Mbit/s  
95th percentile per-packet one-way delay: 32.485 ms  
Loss rate: 5.53%  
-- Flow 1:  
Average throughput: 68.25 Mbit/s  
95th percentile per-packet one-way delay: 32.485 ms  
Loss rate: 5.53%



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



Run 10: Statistics of Indigo

Start at: 2017-12-01 06:35:21

End at: 2017-12-01 06:35:51

Local clock offset: 1.924 ms

Remote clock offset: -27.135 ms

# Below is generated by plot.py at 2017-12-01 07:12:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.06 Mbit/s

95th percentile per-packet one-way delay: 31.261 ms

Loss rate: 5.01%

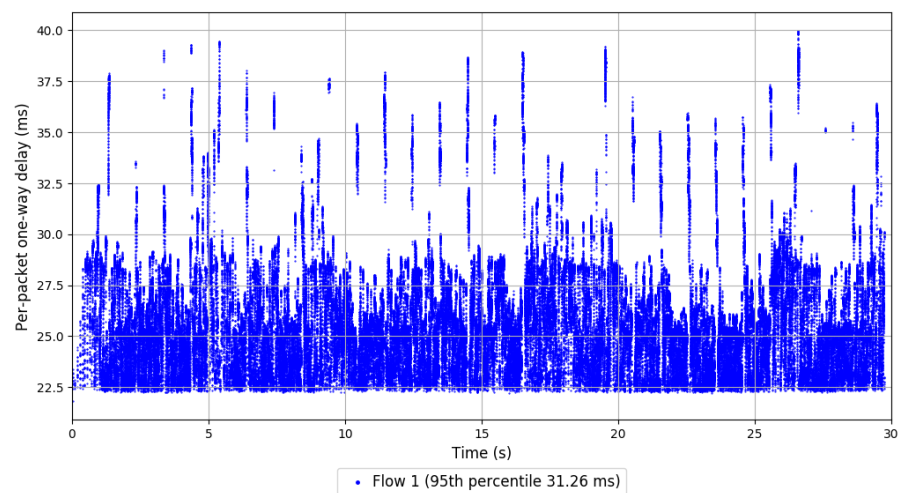
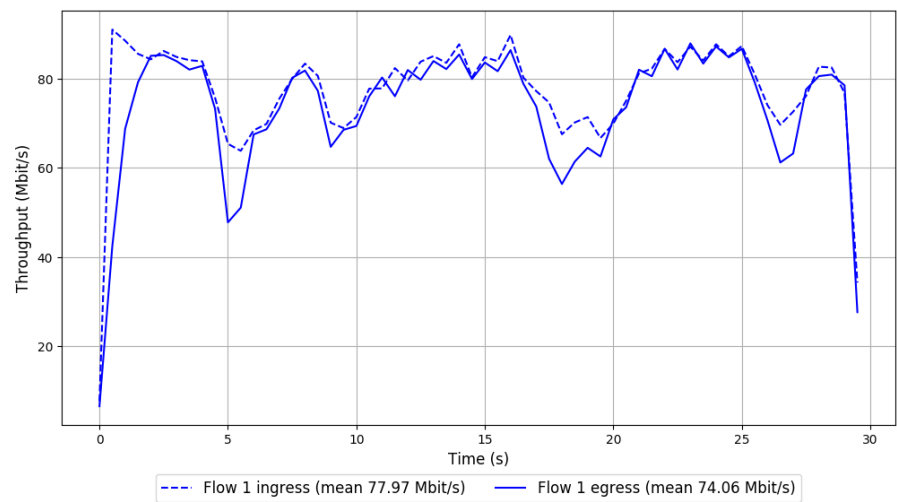
-- Flow 1:

Average throughput: 74.06 Mbit/s

95th percentile per-packet one-way delay: 31.261 ms

Loss rate: 5.01%

Run 10: Report of Indigo — Data Link



Run 1: Statistics of Indigo-calib

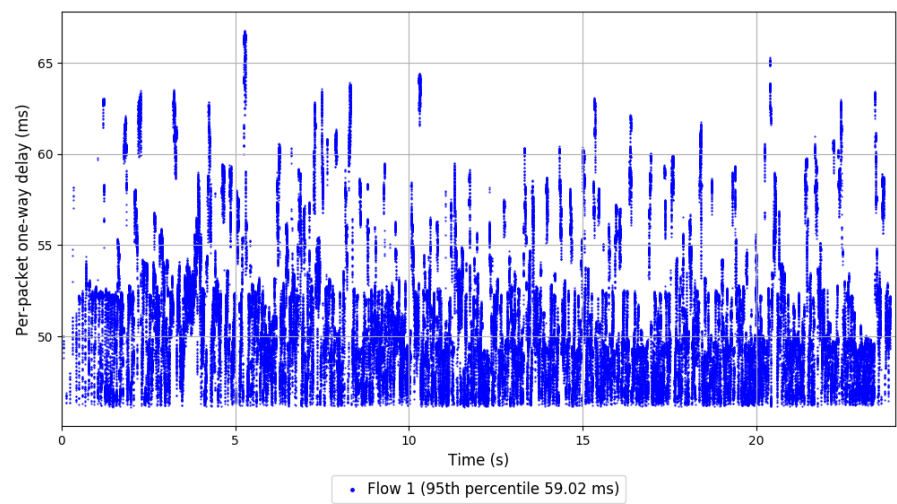
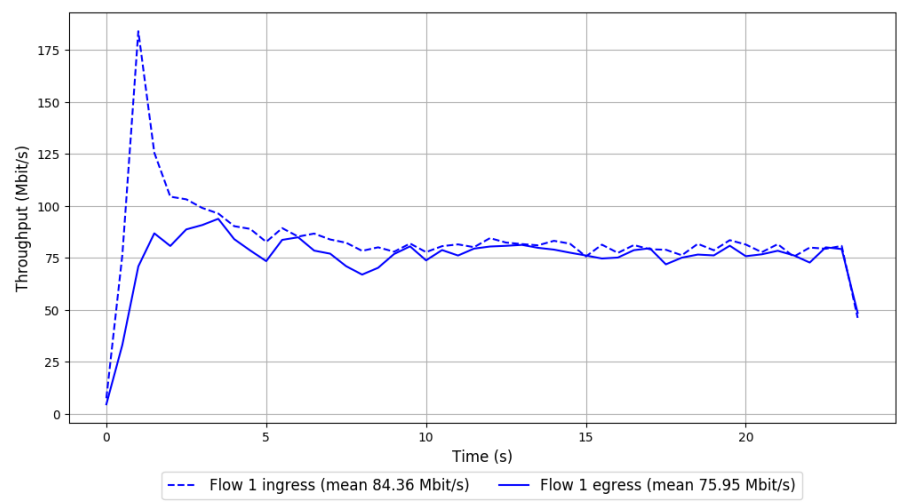
Start at: 2017-12-01 03:56:34

End at: 2017-12-01 03:57:04

Local clock offset: -0.207 ms

Remote clock offset: -6.135 ms

Run 1: Report of Indigo-calib — Data Link

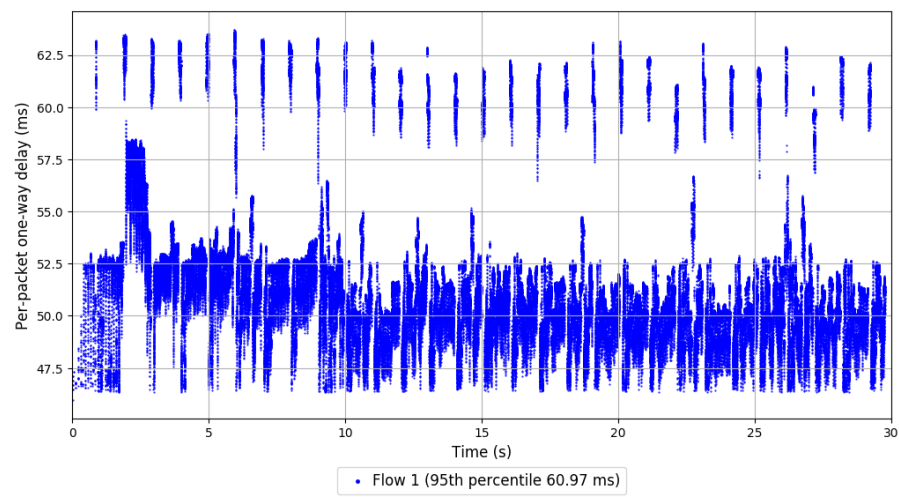
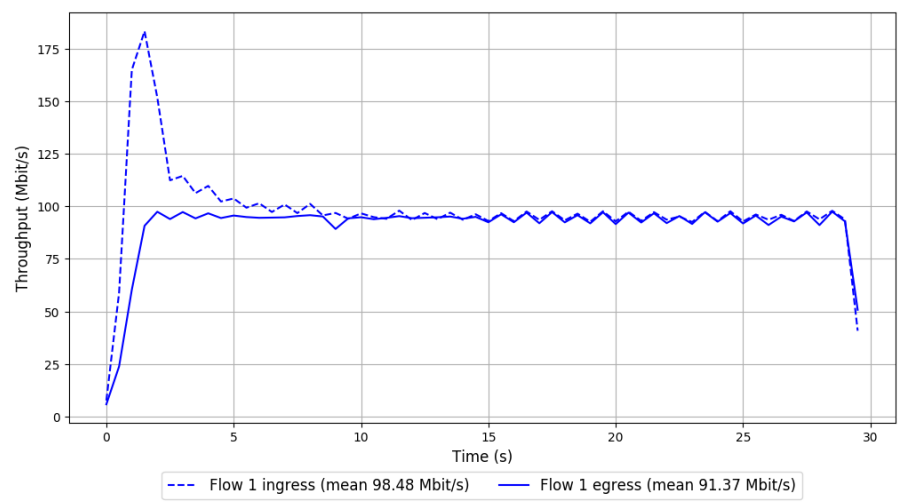


```
Run 2: Statistics of Indigo-calib

Start at: 2017-12-01 04:13:07
End at: 2017-12-01 04:13:37
Local clock offset: -0.444 ms
Remote clock offset: -6.288 ms

# Below is generated by plot.py at 2017-12-01 07:12:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 60.967 ms
Loss rate: 7.20%
-- Flow 1:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 60.967 ms
Loss rate: 7.20%
```

Run 2: Report of Indigo-calib — Data Link



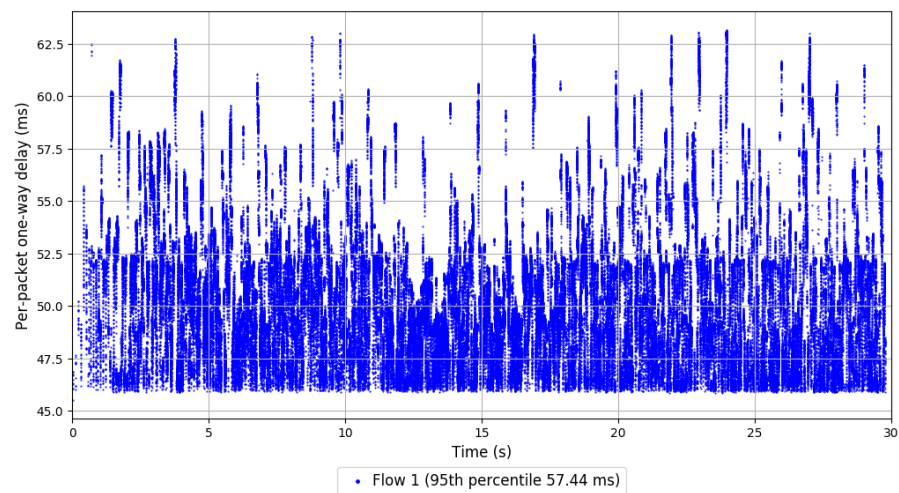
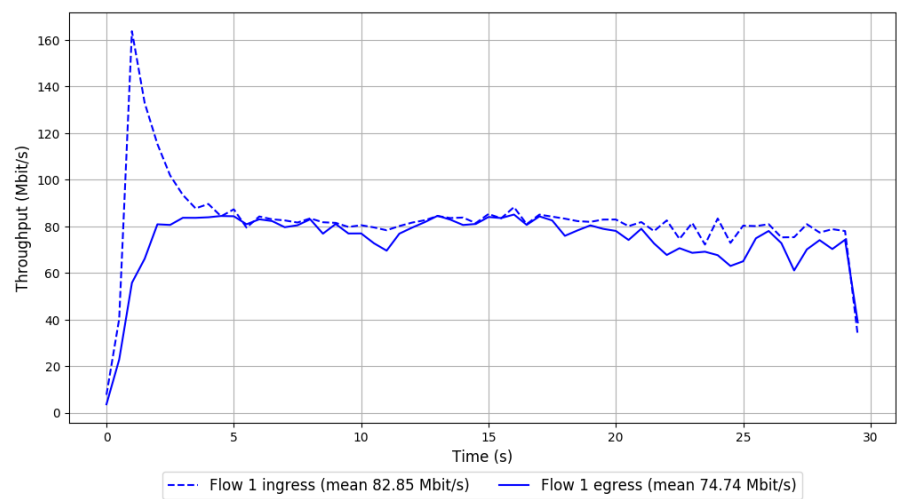
Run 3: Statistics of Indigo-calib

Start at: 2017-12-01 04:29:48  
End at: 2017-12-01 04:30:18  
Local clock offset: -0.369 ms  
Remote clock offset: -6.751 ms

# Below is generated by plot.py at 2017-12-01 07:12:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.74 Mbit/s  
95th percentile per-packet one-way delay: 57.435 ms  
Loss rate: 9.78%  
-- Flow 1:  
Average throughput: 74.74 Mbit/s  
95th percentile per-packet one-way delay: 57.435 ms  
Loss rate: 9.78%



Run 3: Report of Indigo-calib — Data Link

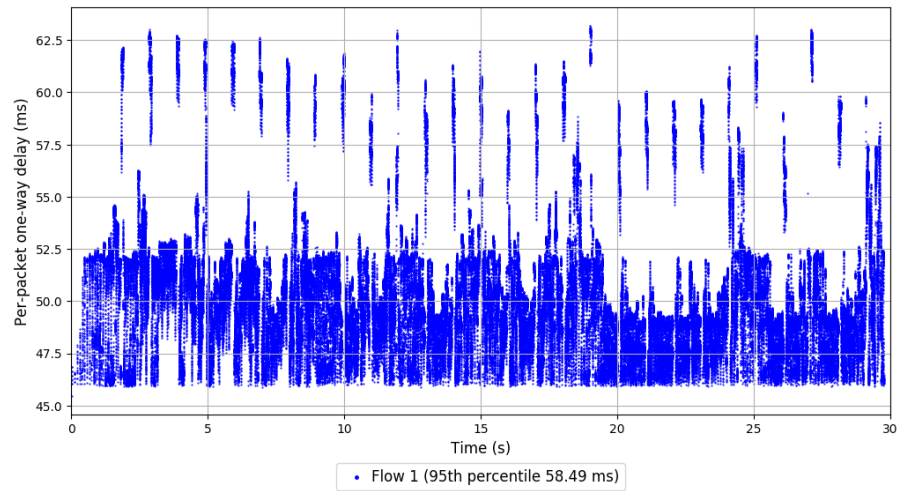
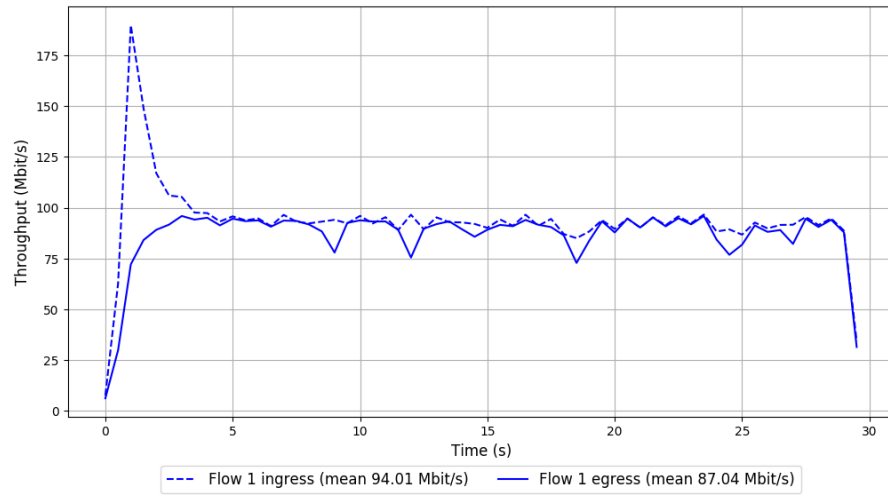


Run 4: Statistics of Indigo-calib

Start at: 2017-12-01 04:46:31  
End at: 2017-12-01 04:47:01  
Local clock offset: -0.47 ms  
Remote clock offset: -6.834 ms

# Below is generated by plot.py at 2017-12-01 07:12:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.04 Mbit/s  
95th percentile per-packet one-way delay: 58.489 ms  
Loss rate: 7.41%  
-- Flow 1:  
Average throughput: 87.04 Mbit/s  
95th percentile per-packet one-way delay: 58.489 ms  
Loss rate: 7.41%

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

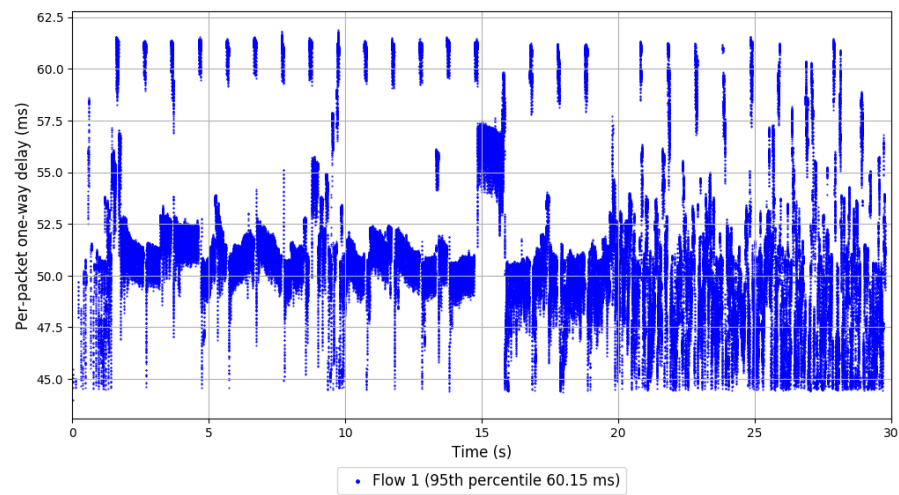
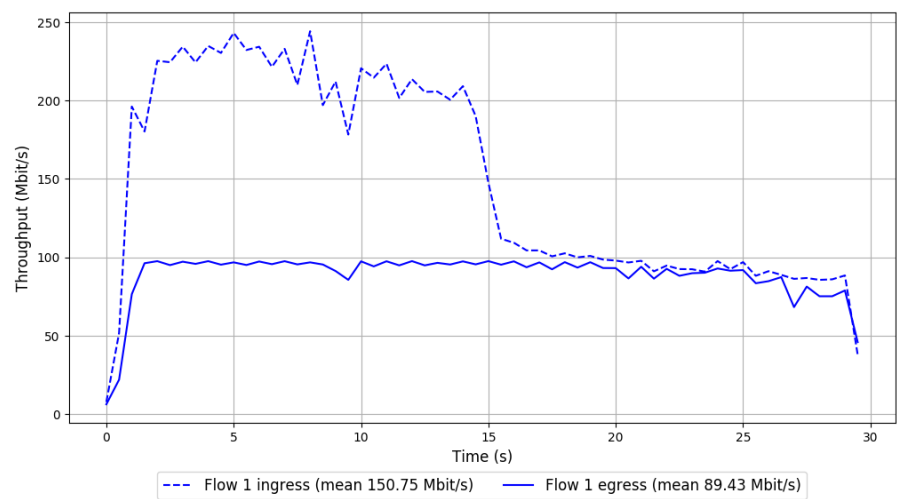


Run 5: Statistics of Indigo-calib

Start at: 2017-12-01 05:03:06  
End at: 2017-12-01 05:03:36  
Local clock offset: -0.573 ms  
Remote clock offset: -8.434 ms

# Below is generated by plot.py at 2017-12-01 07:12:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.43 Mbit/s  
95th percentile per-packet one-way delay: 60.145 ms  
Loss rate: 40.66%  
-- Flow 1:  
Average throughput: 89.43 Mbit/s  
95th percentile per-packet one-way delay: 60.145 ms  
Loss rate: 40.66%

Run 5: Report of Indigo-calib — Data Link



Run 6: Statistics of Indigo-calib

Start at: 2017-12-01 05:19:57

End at: 2017-12-01 05:20:27

Local clock offset: -0.09 ms

Remote clock offset: -7.142 ms

# Below is generated by plot.py at 2017-12-01 07:12:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.34 Mbit/s

95th percentile per-packet one-way delay: 58.981 ms

Loss rate: 21.89%

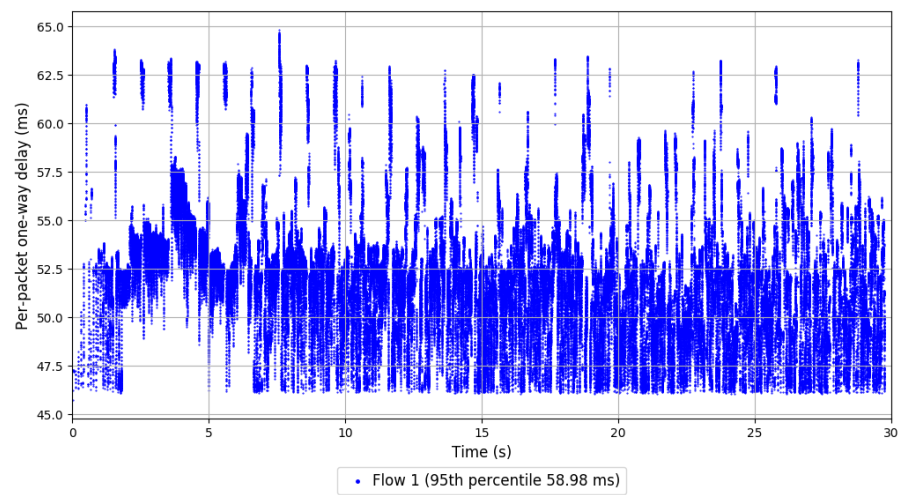
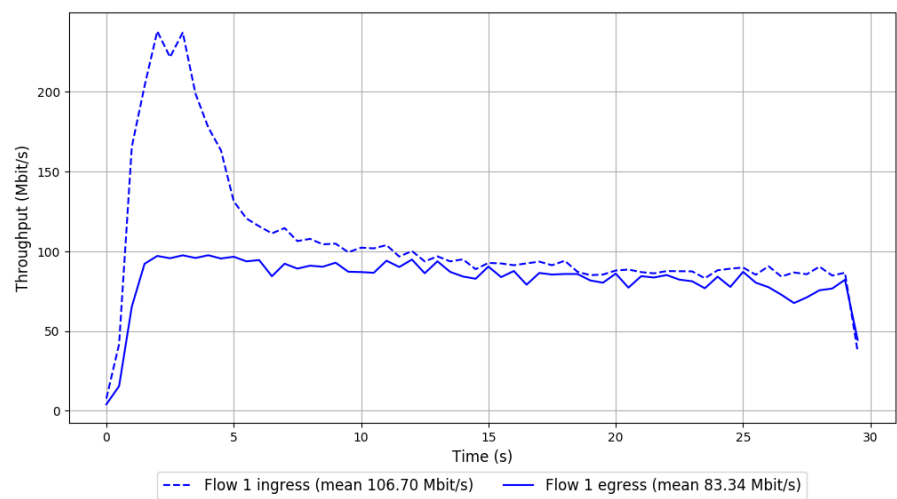
-- Flow 1:

Average throughput: 83.34 Mbit/s

95th percentile per-packet one-way delay: 58.981 ms

Loss rate: 21.89%

Run 6: Report of Indigo-calib — Data Link



Run 7: Statistics of Indigo-calib

Start at: 2017-12-01 05:36:53

End at: 2017-12-01 05:37:23

Local clock offset: 0.362 ms

Remote clock offset: -14.5 ms

# Below is generated by plot.py at 2017-12-01 07:13:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.95 Mbit/s

95th percentile per-packet one-way delay: 51.604 ms

Loss rate: 14.88%

-- Flow 1:

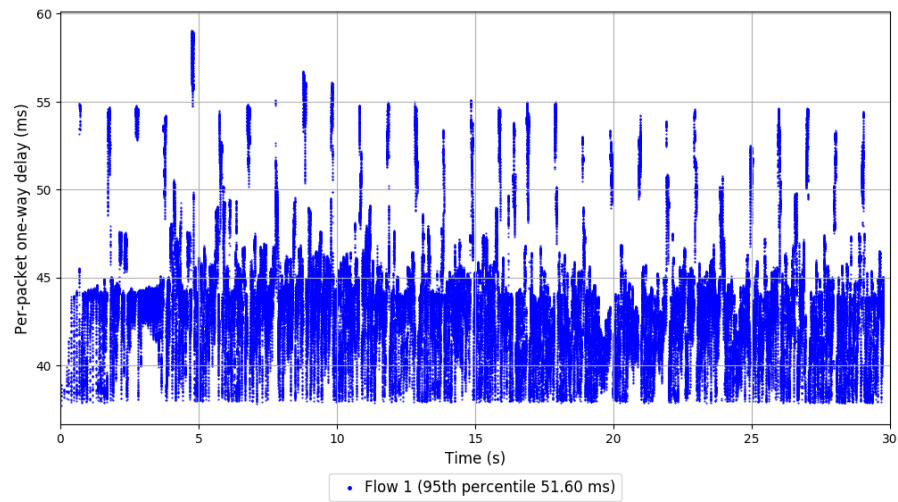
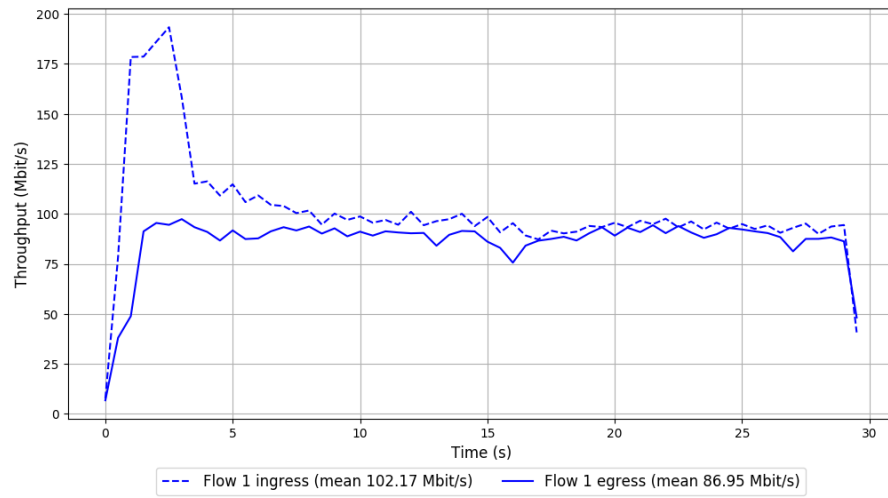
Average throughput: 86.95 Mbit/s

95th percentile per-packet one-way delay: 51.604 ms

Loss rate: 14.88%



## Run 7: Report of Indigo-calib — Data Link

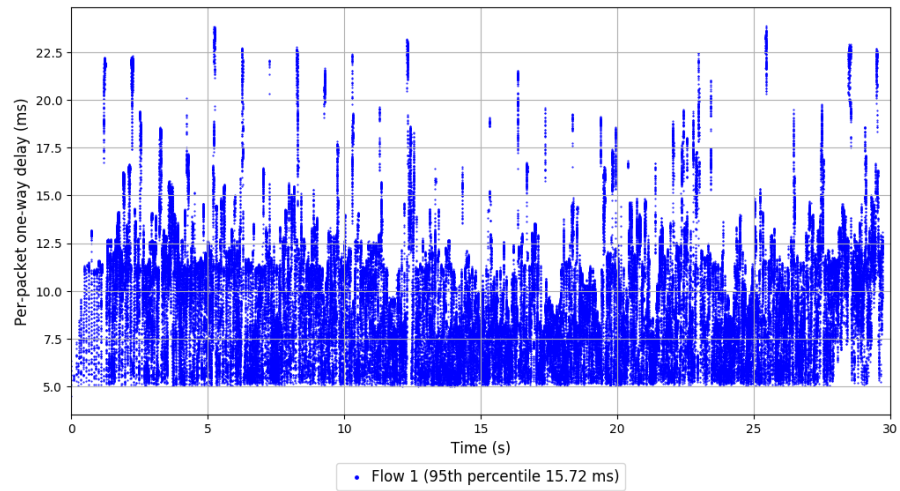
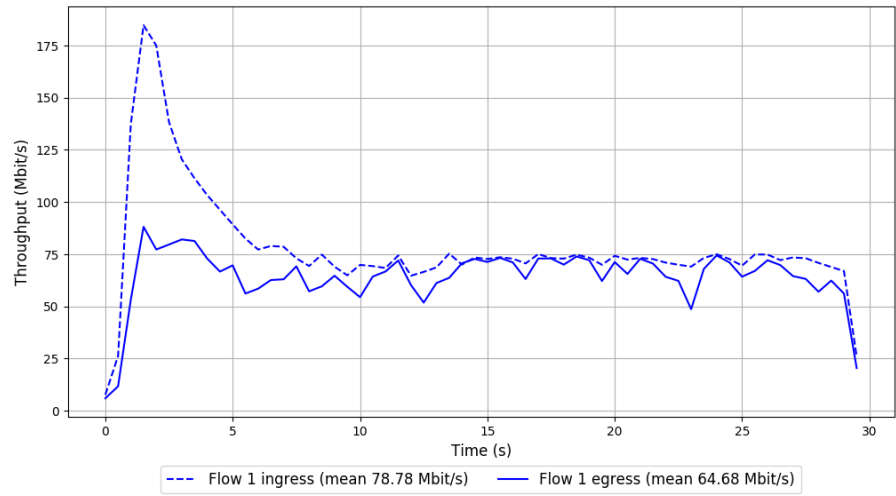


Run 8: Statistics of Indigo-calib

Start at: 2017-12-01 05:53:40  
End at: 2017-12-01 05:54:10  
Local clock offset: 0.948 ms  
Remote clock offset: -46.211 ms

# Below is generated by plot.py at 2017-12-01 07:13:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 64.68 Mbit/s  
95th percentile per-packet one-way delay: 15.725 ms  
Loss rate: 17.87%  
-- Flow 1:  
Average throughput: 64.68 Mbit/s  
95th percentile per-packet one-way delay: 15.725 ms  
Loss rate: 17.87%

## Run 8: Report of Indigo-calib — Data Link



Run 9: Statistics of Indigo-calib

/home/ubuntu/pantheon\_data/2017-12-01T03-53-AWS-Korea-to-China-10-runs/indigo\_no\_calibration

Run 9: Report of Indigo-calib — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of Indigo-calib

Start at: 2017-12-01 06:29:20

End at: 2017-12-01 06:29:50

Local clock offset: 1.778 ms

Remote clock offset: -19.192 ms

# Below is generated by plot.py at 2017-12-01 07:13:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.04 Mbit/s

95th percentile per-packet one-way delay: 41.347 ms

Loss rate: 12.09%

-- Flow 1:

Average throughput: 73.04 Mbit/s

95th percentile per-packet one-way delay: 41.347 ms

Loss rate: 12.09%

# Run 10: Report of Indigo-calib — Data Link

