

## Pantheon Report

Generated at 2017-08-17 02:05:33 (UTC).

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

Repeated the test of 15 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).

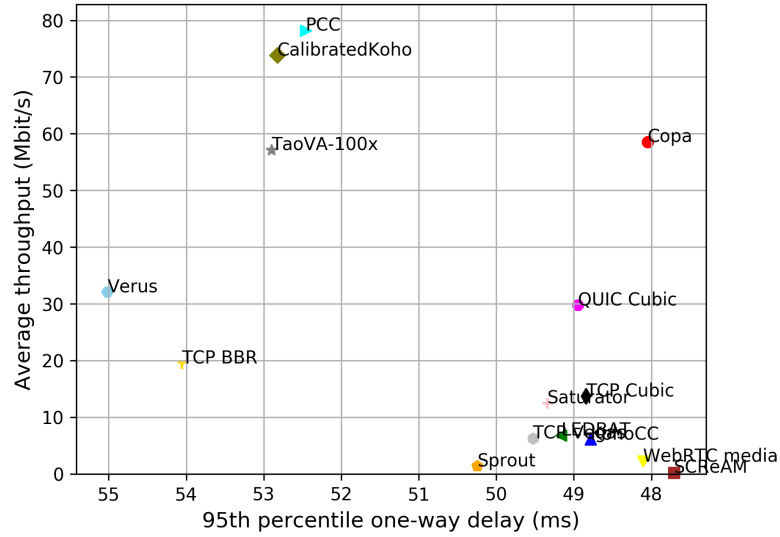
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

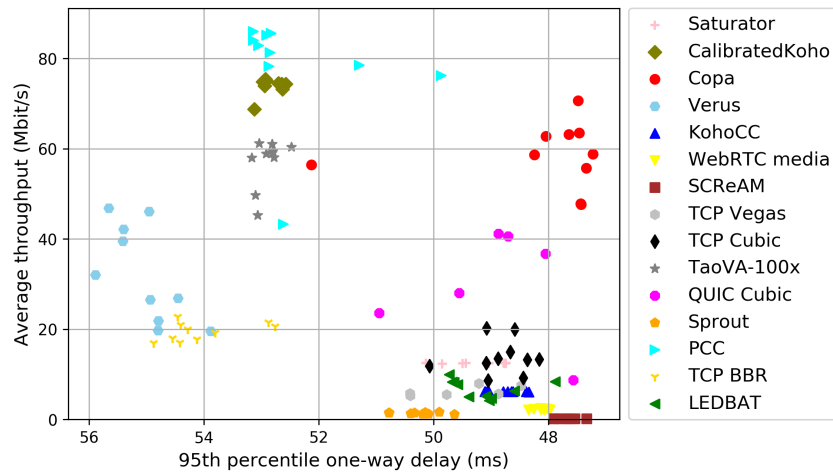
Git summary:

```
branch: master @ e43be7582298d552838afcf6382342bf187fbbd6
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
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-quick @ 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     | 19.49                            | 54.06                               | 33.47                        |
| CalibratedKoho | 9      | 73.82                            | 52.83                               | 4.04                         |
| Copa           | 10     | 58.53                            | 48.05                               | 0.02                         |
| TCP Cubic      | 10     | 13.75                            | 48.84                               | 0.45                         |
| KohoCC         | 10     | 6.15                             | 48.78                               | 0.02                         |
| LEDBAT         | 10     | 6.80                             | 49.16                               | 0.18                         |
| PCC            | 10     | 78.15                            | 52.46                               | 1.69                         |
| QUIC Cubic     | 6      | 29.81                            | 48.95                               | 0.54                         |
| Saturator      | 10     | 12.46                            | 49.34                               | 0.28                         |
| SCReAM         | 10     | 0.21                             | 47.71                               | 0.07                         |
| Sprout         | 10     | 1.40                             | 50.25                               | 0.00                         |
| TaoVA-100x     | 10     | 57.11                            | 52.90                               | 5.69                         |
| TCP Vegas      | 6      | 6.29                             | 49.53                               | 0.55                         |
| Verus          | 10     | 32.12                            | 55.02                               | 64.69                        |
| WebRTC media   | 10     | 2.25                             | 48.11                               | 0.01                         |

Run 1: Statistics of TCP BBR

Start at: 2017-08-16 22:09:23

End at: 2017-08-16 22:09:53

Local clock offset: 0.486 ms

Remote clock offset: -0.541 ms

# Below is generated by plot.py at 2017-08-17 01:59:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 19.27 Mbit/s

95th percentile per-packet one-way delay: 53.808 ms

Loss rate: 35.59%

-- Flow 1:

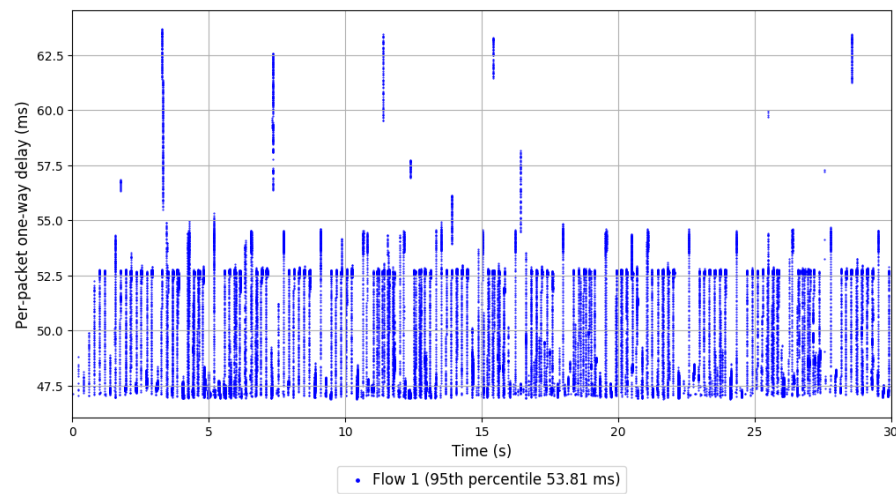
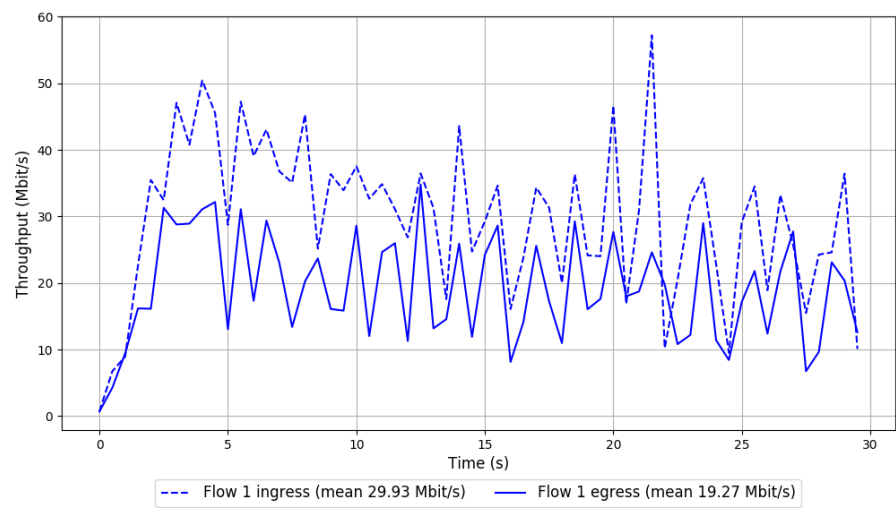
Average throughput: 19.27 Mbit/s

95th percentile per-packet one-way delay: 53.808 ms

Loss rate: 35.59%



Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2017-08-16 22:31:12

End at: 2017-08-16 22:31:42

Local clock offset: 0.49 ms

Remote clock offset: -0.91 ms

# Below is generated by plot.py at 2017-08-17 01:59:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 19.94 Mbit/s

95th percentile per-packet one-way delay: 54.282 ms

Loss rate: 39.59%

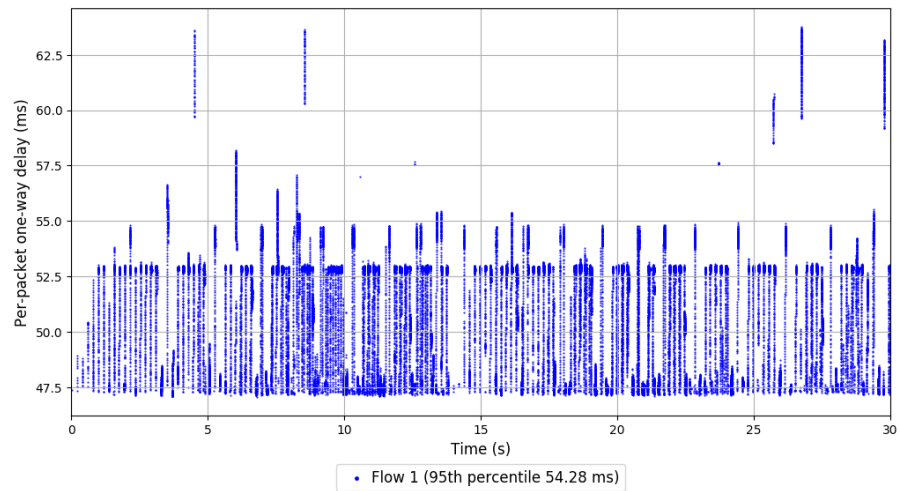
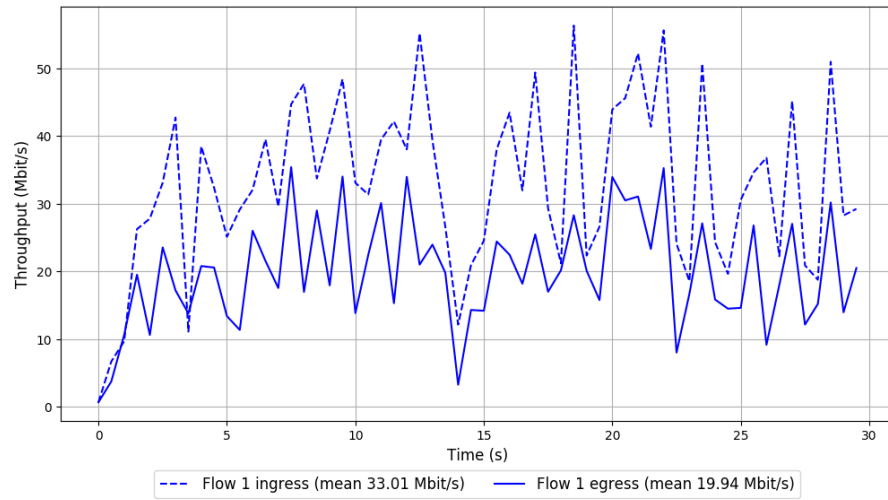
-- Flow 1:

Average throughput: 19.94 Mbit/s

95th percentile per-packet one-way delay: 54.282 ms

Loss rate: 39.59%

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



Run 3: Statistics of TCP BBR

Start at: 2017-08-16 22:52:56

End at: 2017-08-16 22:53:26

Local clock offset: 0.962 ms

Remote clock offset: -1.168 ms

# Below is generated by plot.py at 2017-08-17 01:59:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 17.73 Mbit/s

95th percentile per-packet one-way delay: 54.125 ms

Loss rate: 37.36%

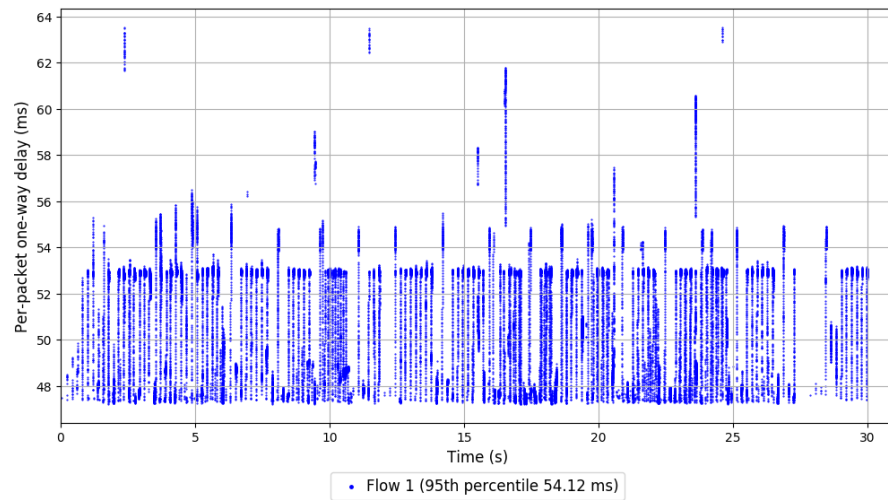
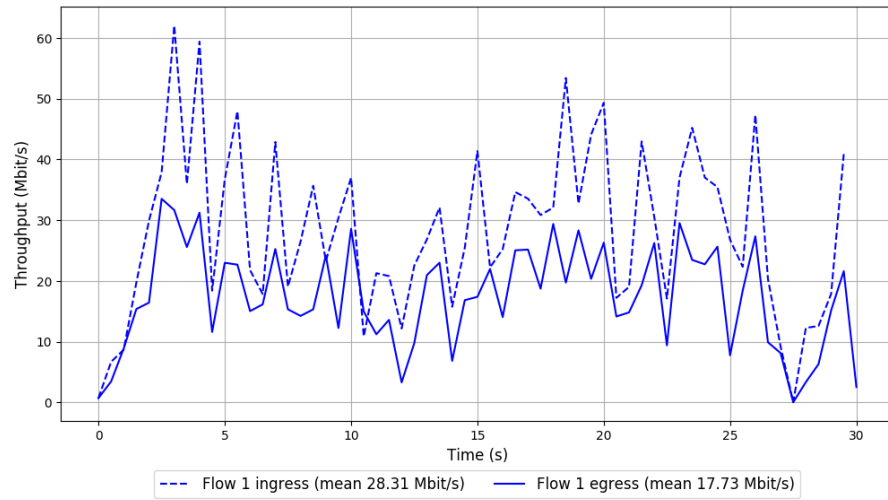
-- Flow 1:

Average throughput: 17.73 Mbit/s

95th percentile per-packet one-way delay: 54.125 ms

Loss rate: 37.36%

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



Run 4: Statistics of TCP BBR

Start at: 2017-08-16 23:14:25

End at: 2017-08-16 23:14:55

Local clock offset: 1.136 ms

Remote clock offset: -1.322 ms

# Below is generated by plot.py at 2017-08-17 01:59:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 21.54 Mbit/s

95th percentile per-packet one-way delay: 52.879 ms

Loss rate: 25.34%

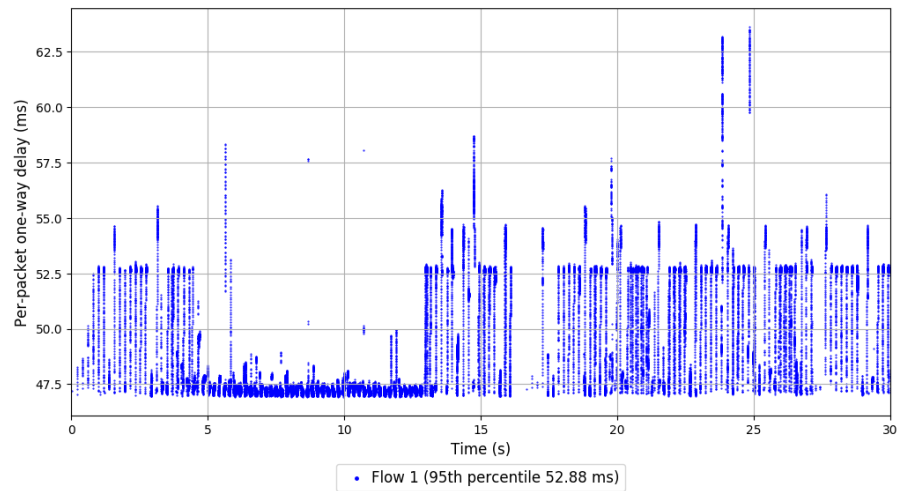
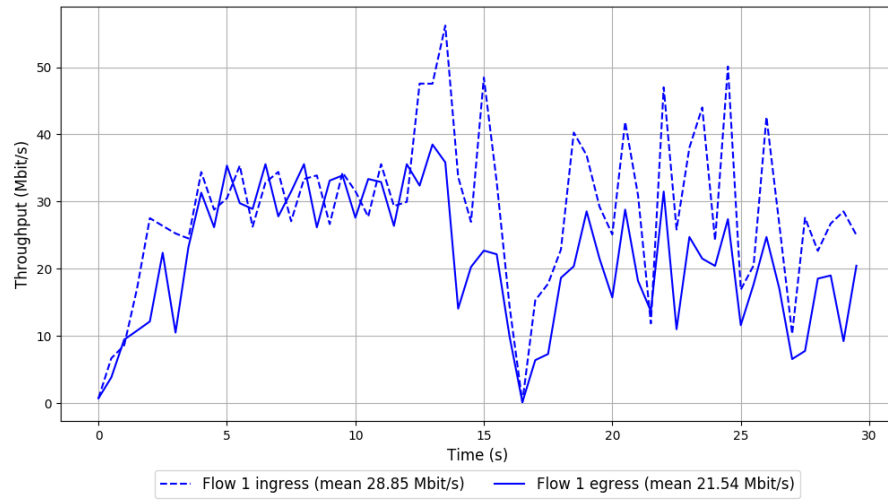
-- Flow 1:

Average throughput: 21.54 Mbit/s

95th percentile per-packet one-way delay: 52.879 ms

Loss rate: 25.34%

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



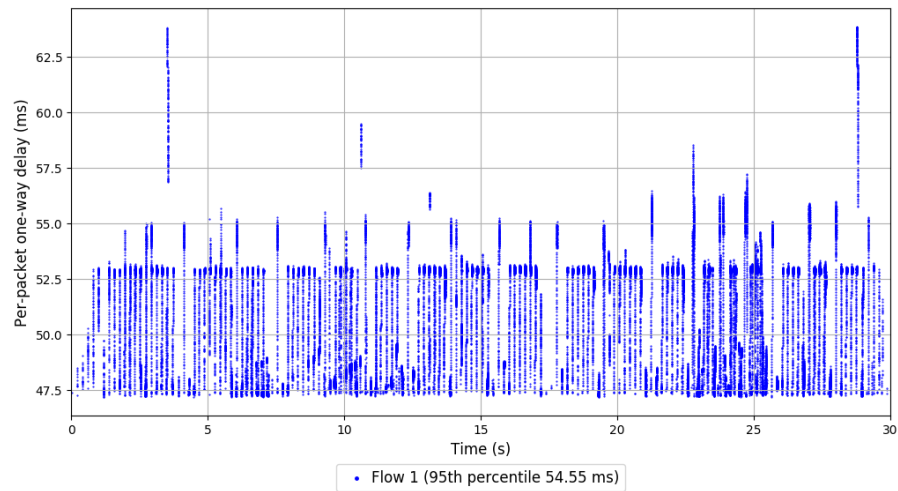
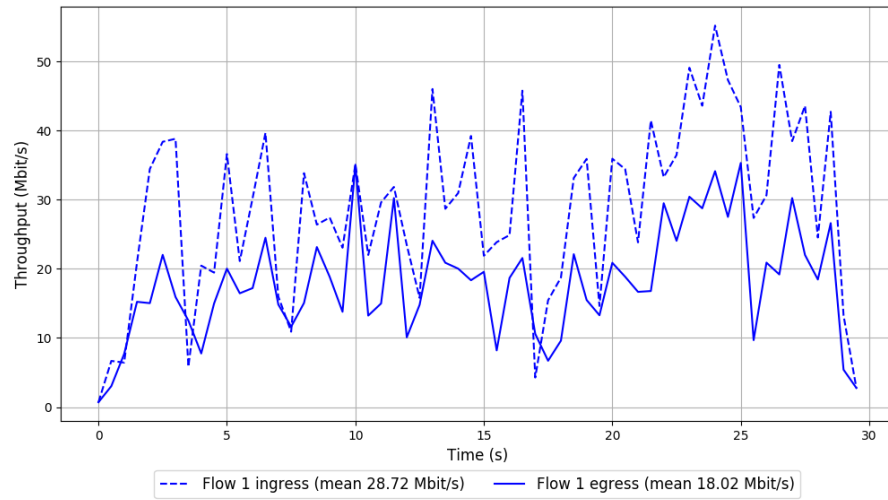
Run 5: Statistics of TCP BBR

Start at: 2017-08-16 23:35:39  
End at: 2017-08-16 23:36:09  
Local clock offset: 1.158 ms  
Remote clock offset: -1.355 ms

# Below is generated by plot.py at 2017-08-17 01:59:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 18.02 Mbit/s  
95th percentile per-packet one-way delay: 54.551 ms  
Loss rate: 37.27%  
-- Flow 1:  
Average throughput: 18.02 Mbit/s  
95th percentile per-packet one-way delay: 54.551 ms  
Loss rate: 37.27%



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



Run 6: Statistics of TCP BBR

Start at: 2017-08-16 23:56:42

End at: 2017-08-16 23:57:12

Local clock offset: 1.439 ms

Remote clock offset: -1.546 ms

# Below is generated by plot.py at 2017-08-17 01:59:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.77 Mbit/s

95th percentile per-packet one-way delay: 54.458 ms

Loss rate: 30.95%

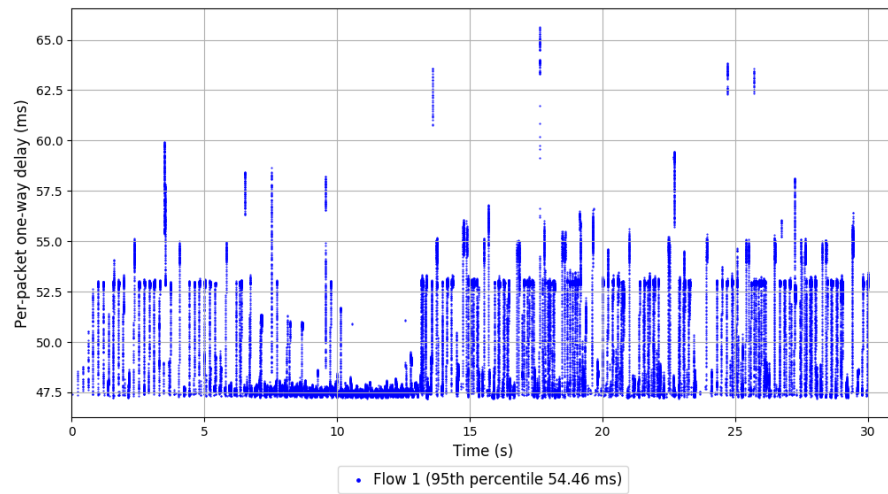
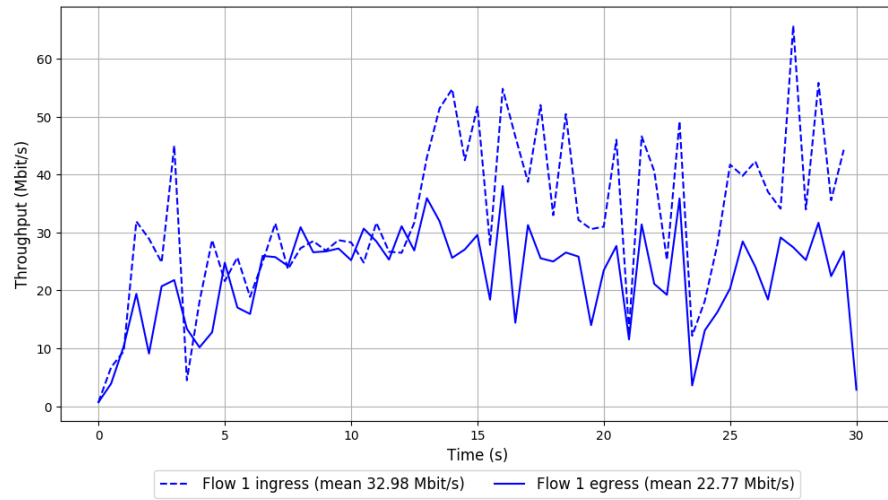
-- Flow 1:

Average throughput: 22.77 Mbit/s

95th percentile per-packet one-way delay: 54.458 ms

Loss rate: 30.95%

# Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2017-08-17 00:17:56

End at: 2017-08-17 00:18:26

Local clock offset: 2.099 ms

Remote clock offset: -1.63 ms

# Below is generated by plot.py at 2017-08-17 01:59:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 16.98 Mbit/s

95th percentile per-packet one-way delay: 54.419 ms

Loss rate: 34.94%

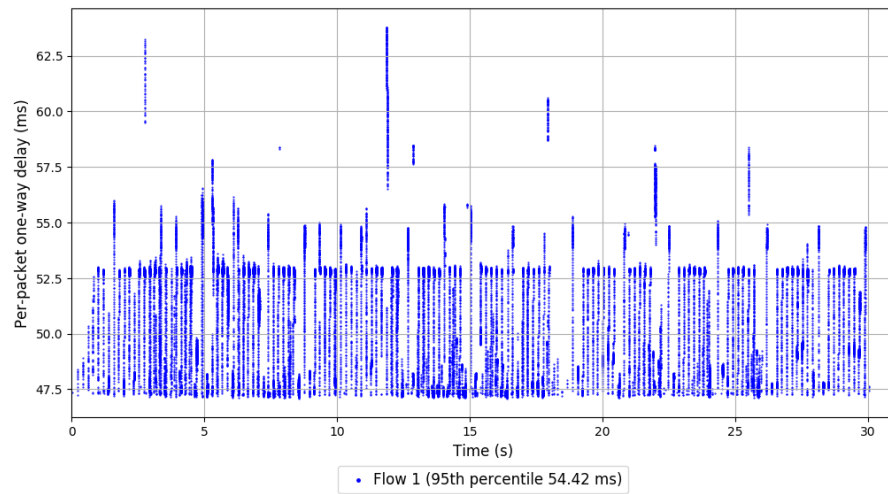
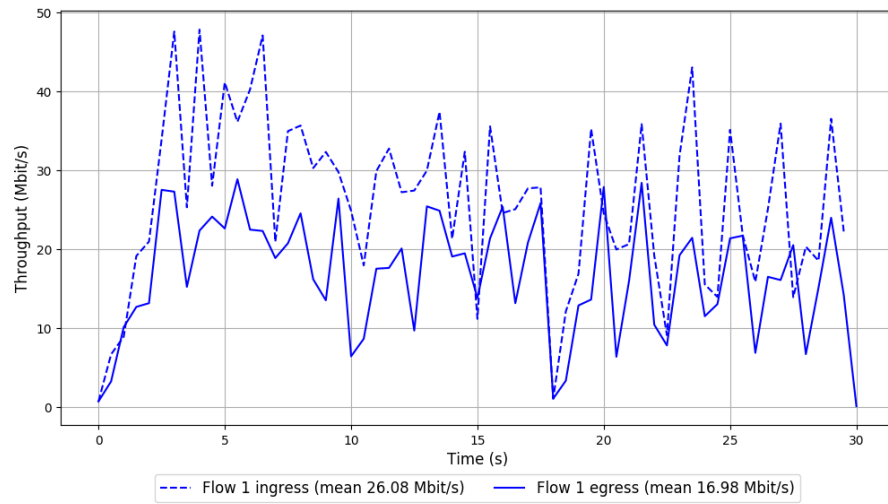
-- Flow 1:

Average throughput: 16.98 Mbit/s

95th percentile per-packet one-way delay: 54.419 ms

Loss rate: 34.94%

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



Run 8: Statistics of TCP BBR

Start at: 2017-08-17 00:39:21

End at: 2017-08-17 00:39:51

Local clock offset: 2.387 ms

Remote clock offset: -1.78 ms

# Below is generated by plot.py at 2017-08-17 01:59:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 20.67 Mbit/s

95th percentile per-packet one-way delay: 52.761 ms

Loss rate: 24.72%

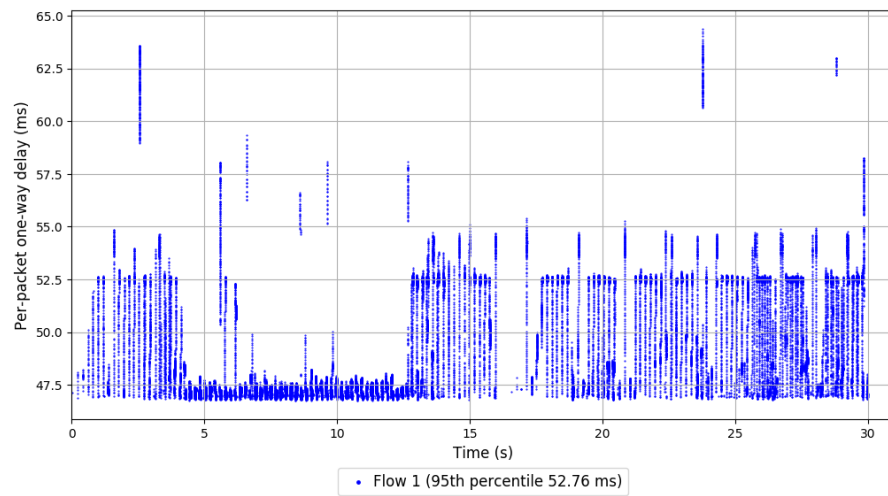
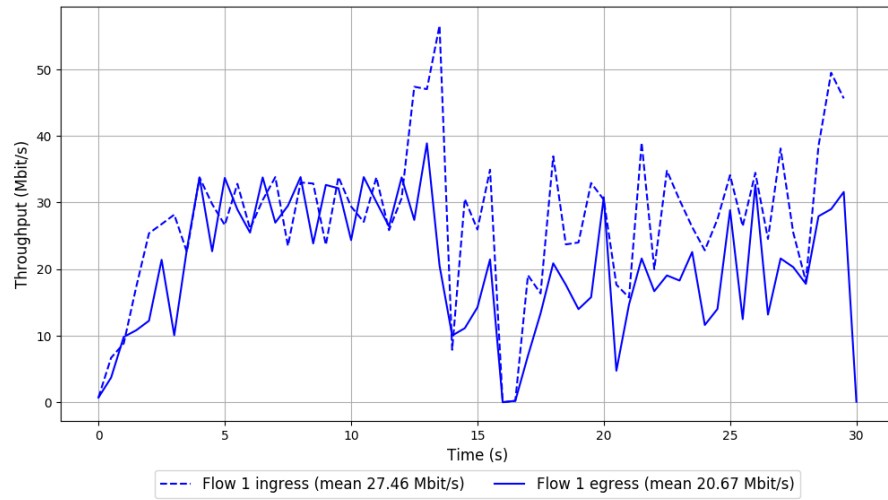
-- Flow 1:

Average throughput: 20.67 Mbit/s

95th percentile per-packet one-way delay: 52.761 ms

Loss rate: 24.72%

# Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2017-08-17 00:59:50

End at: 2017-08-17 01:00:20

Local clock offset: 1.907 ms

Remote clock offset: -1.73 ms

# Below is generated by plot.py at 2017-08-17 01:59:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 16.96 Mbit/s

95th percentile per-packet one-way delay: 54.879 ms

Loss rate: 36.06%

-- Flow 1:

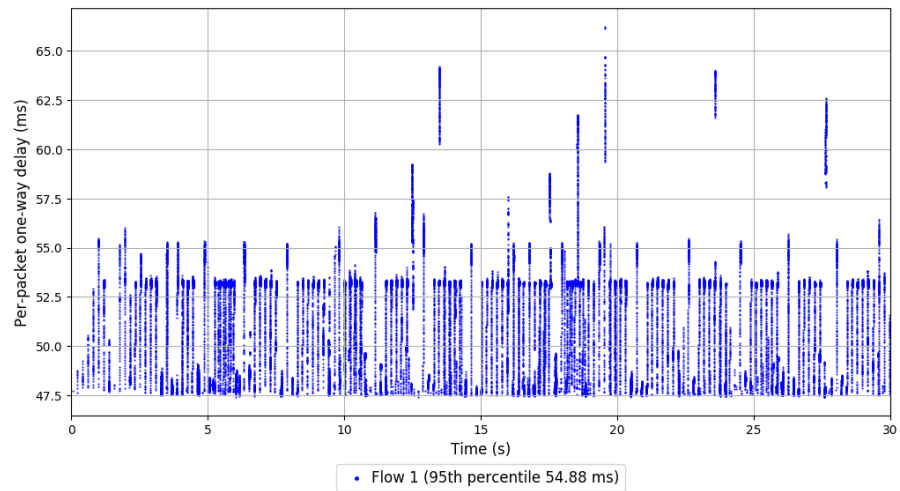
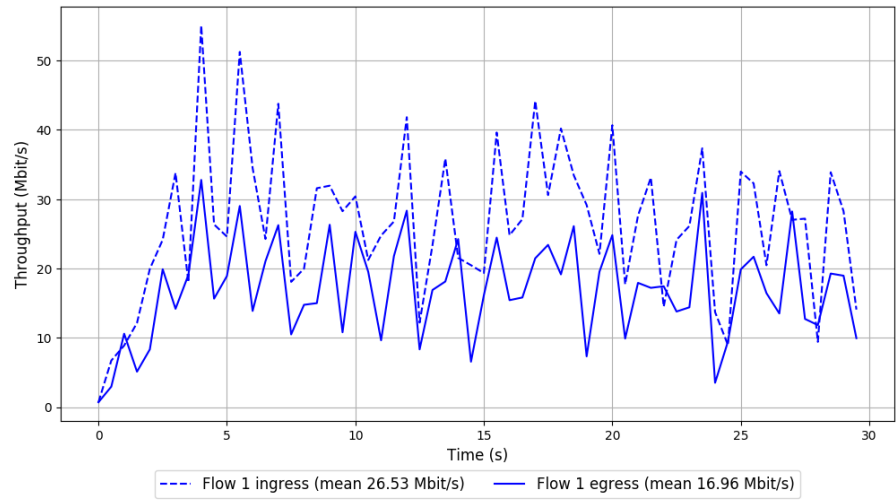
Average throughput: 16.96 Mbit/s

95th percentile per-packet one-way delay: 54.879 ms

Loss rate: 36.06%



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

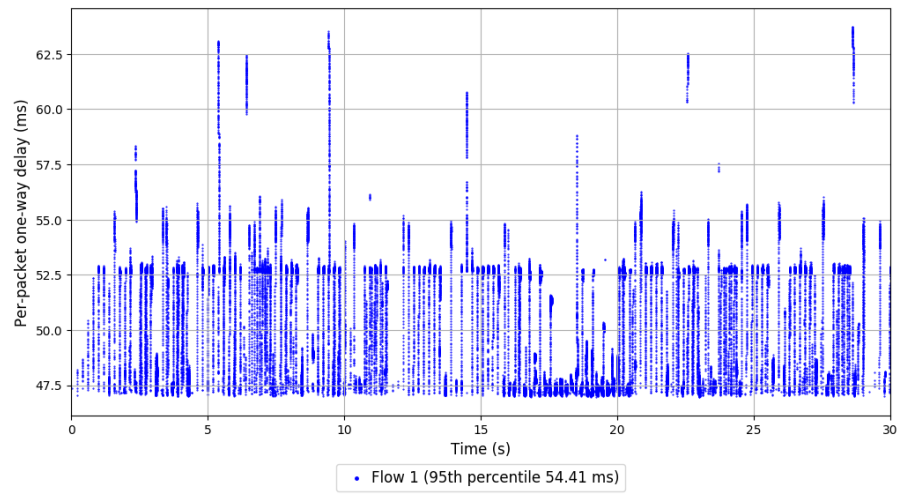
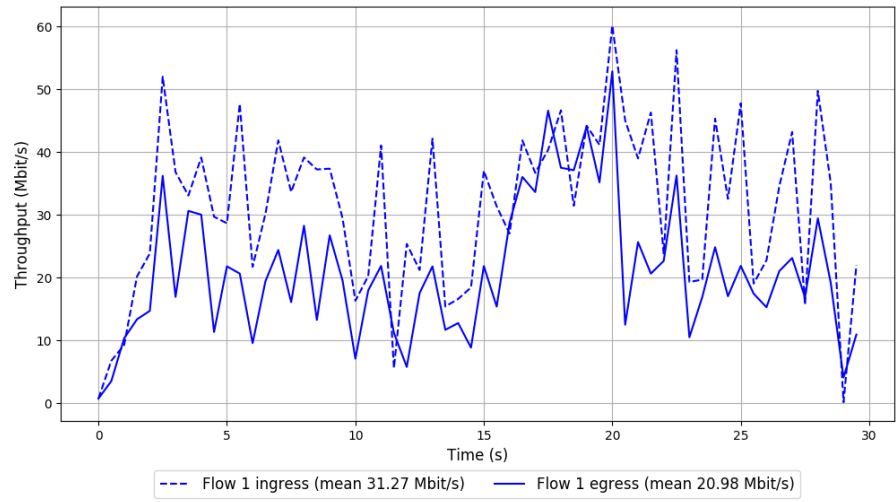


Run 10: Statistics of TCP BBR

Start at: 2017-08-17 01:21:16  
End at: 2017-08-17 01:21:46  
Local clock offset: 2.008 ms  
Remote clock offset: -1.562 ms

# Below is generated by plot.py at 2017-08-17 01:59:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 20.98 Mbit/s  
95th percentile per-packet one-way delay: 54.406 ms  
Loss rate: 32.91%  
-- Flow 1:  
Average throughput: 20.98 Mbit/s  
95th percentile per-packet one-way delay: 54.406 ms  
Loss rate: 32.91%

# Run 10: Report of TCP BBR — Data Link

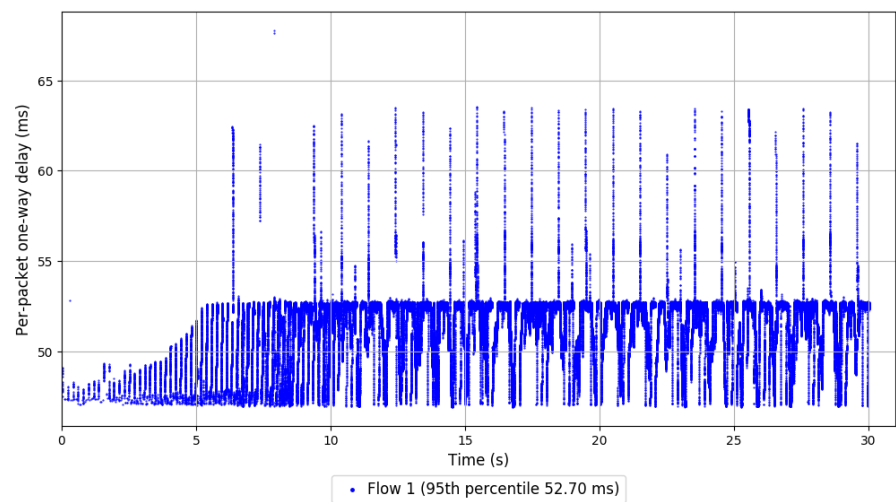
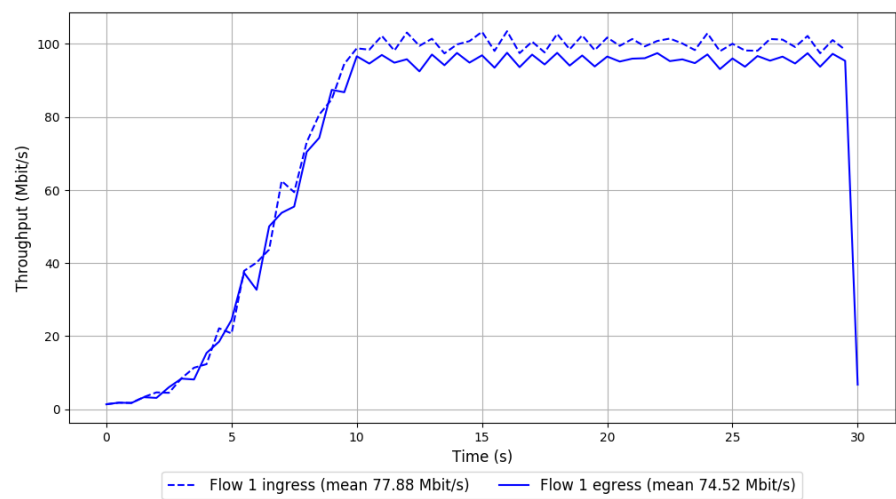


Run 1: Statistics of CalibratedKoho

Start at: 2017-08-16 22:19:16  
End at: 2017-08-16 22:19:46  
Local clock offset: 0.579 ms  
Remote clock offset: -0.657 ms

# Below is generated by plot.py at 2017-08-17 01:59:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.52 Mbit/s  
95th percentile per-packet one-way delay: 52.701 ms  
Loss rate: 4.29%  
-- Flow 1:  
Average throughput: 74.52 Mbit/s  
95th percentile per-packet one-way delay: 52.701 ms  
Loss rate: 4.29%

Run 1: Report of CalibratedKoho — Data Link

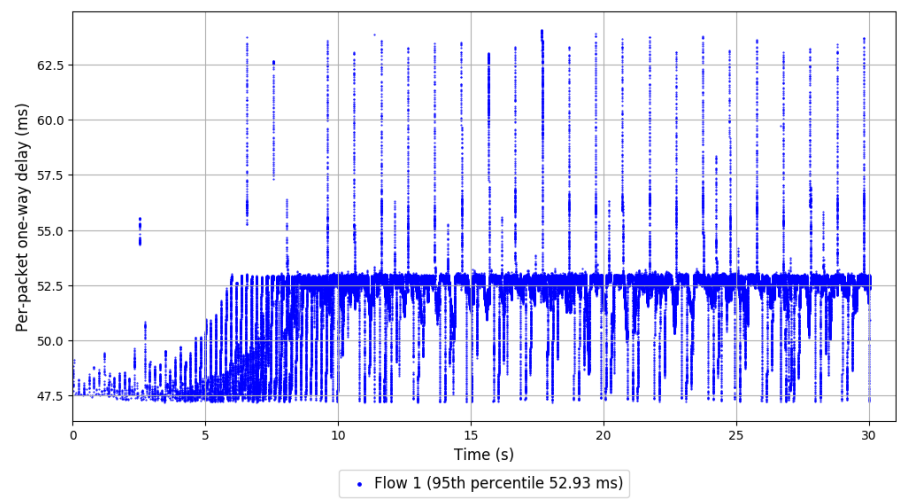
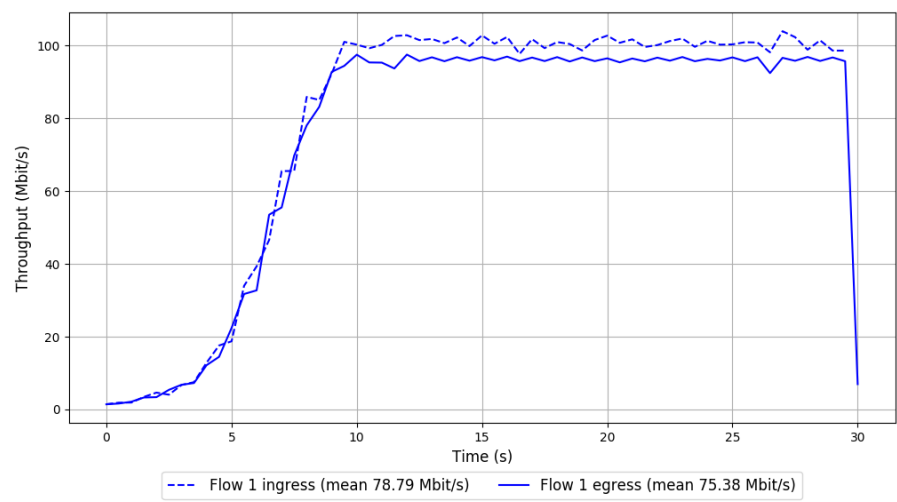


Run 2: Statistics of CalibratedKoho

Start at: 2017-08-16 22:41:00  
End at: 2017-08-16 22:41:30  
Local clock offset: 0.899 ms  
Remote clock offset: -0.997 ms

# Below is generated by plot.py at 2017-08-17 01:59:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 75.38 Mbit/s  
95th percentile per-packet one-way delay: 52.927 ms  
Loss rate: 4.32%  
-- Flow 1:  
Average throughput: 75.38 Mbit/s  
95th percentile per-packet one-way delay: 52.927 ms  
Loss rate: 4.32%

Run 2: Report of CalibratedKoho — Data Link



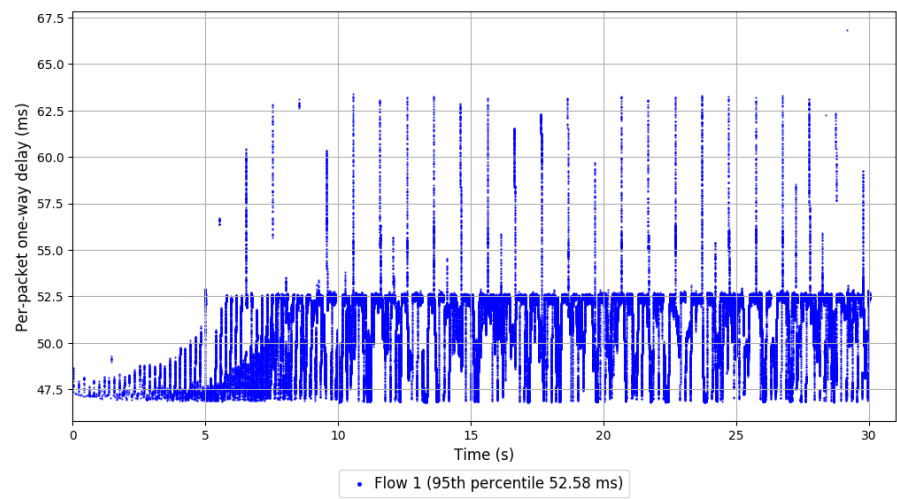
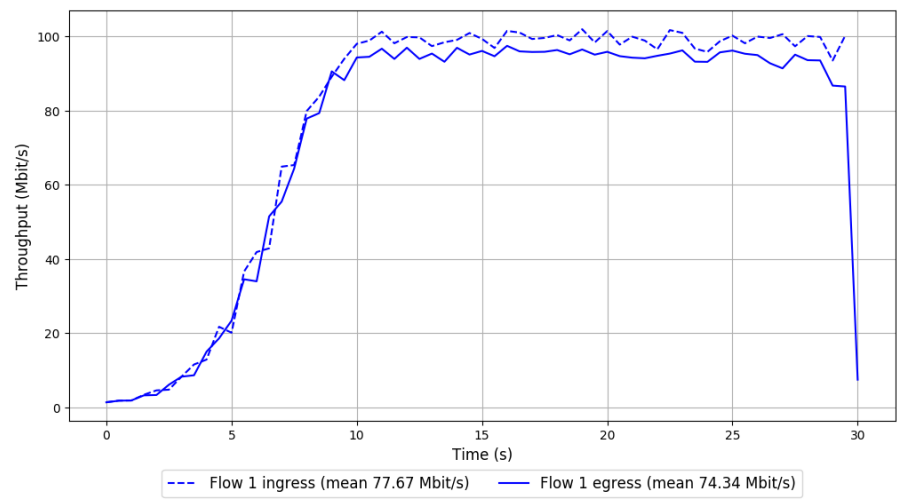
Run 3: Statistics of CalibratedKoho

Start at: 2017-08-16 23:02:13  
End at: 2017-08-16 23:02:43  
Local clock offset: 1.082 ms  
Remote clock offset: -1.348 ms

# Below is generated by plot.py at 2017-08-17 01:59:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.34 Mbit/s  
95th percentile per-packet one-way delay: 52.575 ms  
Loss rate: 4.28%  
-- Flow 1:  
Average throughput: 74.34 Mbit/s  
95th percentile per-packet one-way delay: 52.575 ms  
Loss rate: 4.28%



Run 3: Report of CalibratedKoho — Data Link

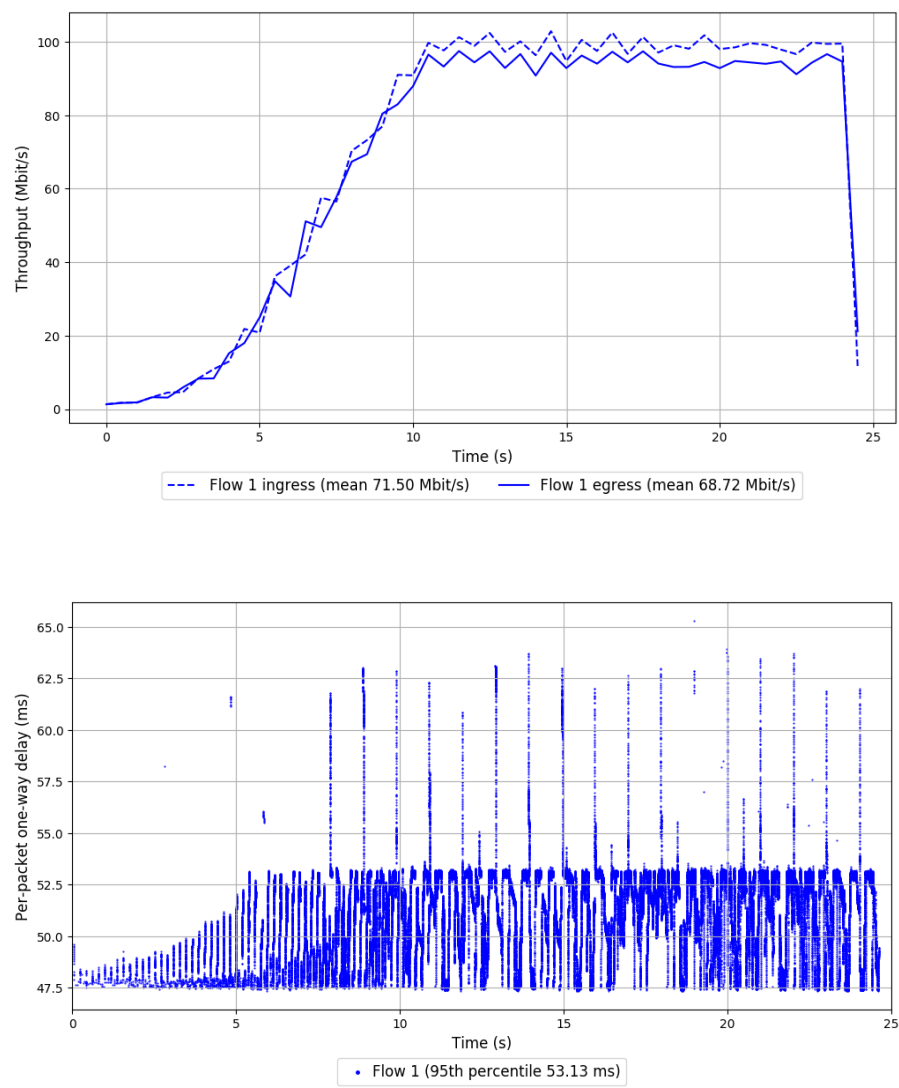


Run 4: Statistics of CalibratedKoho

Start at: 2017-08-16 23:23:35  
End at: 2017-08-16 23:24:05  
Local clock offset: 1.05 ms  
Remote clock offset: -1.346 ms

# Below is generated by plot.py at 2017-08-17 01:59:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.72 Mbit/s  
95th percentile per-packet one-way delay: 53.126 ms  
Loss rate: 3.87%  
-- Flow 1:  
Average throughput: 68.72 Mbit/s  
95th percentile per-packet one-way delay: 53.126 ms  
Loss rate: 3.87%

Run 4: Report of CalibratedKoho — Data Link

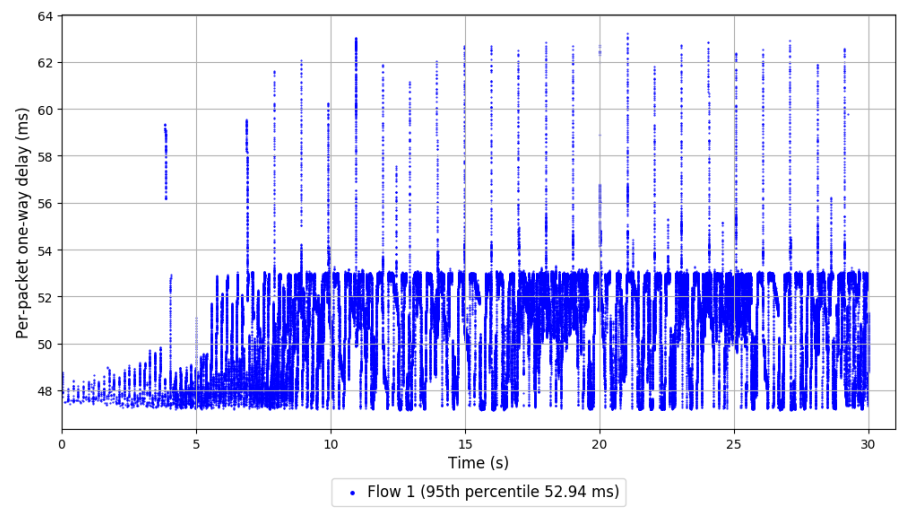
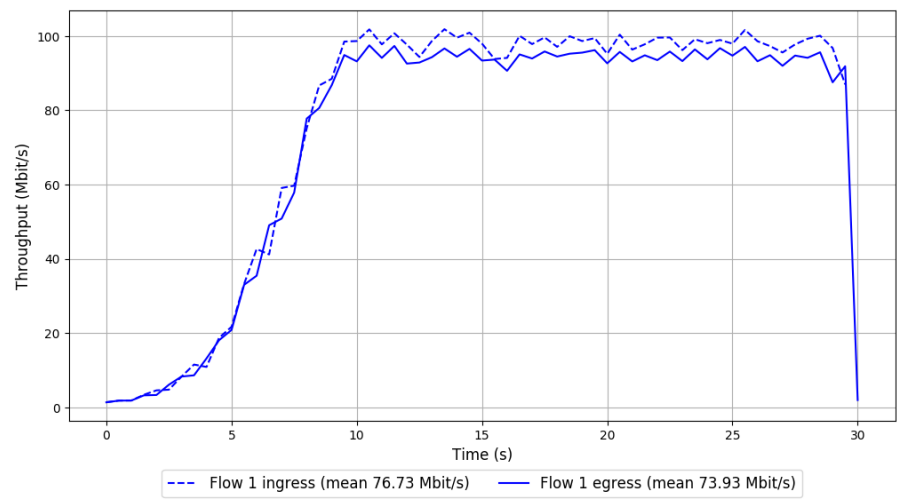


Run 5: Statistics of CalibratedKoho

Start at: 2017-08-16 23:45:10  
End at: 2017-08-16 23:45:40  
Local clock offset: 1.287 ms  
Remote clock offset: -1.406 ms

# Below is generated by plot.py at 2017-08-17 01:59:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 73.93 Mbit/s  
95th percentile per-packet one-way delay: 52.941 ms  
Loss rate: 3.64%  
-- Flow 1:  
Average throughput: 73.93 Mbit/s  
95th percentile per-packet one-way delay: 52.941 ms  
Loss rate: 3.64%

Run 5: Report of CalibratedKoho — Data Link

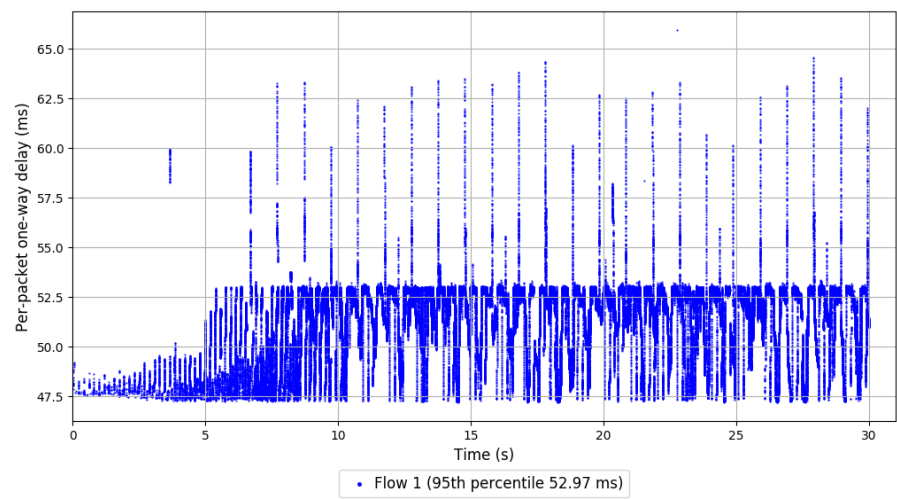
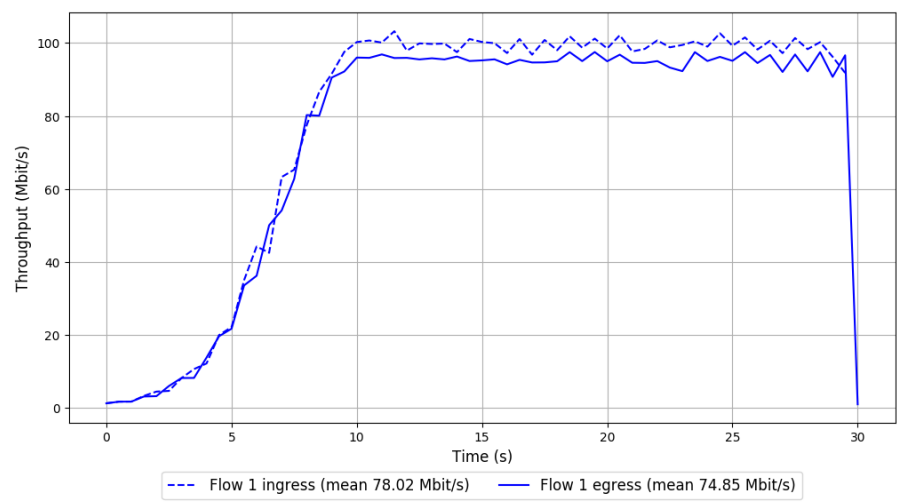


Run 6: Statistics of CalibratedKoho

Start at: 2017-08-17 00:05:54  
End at: 2017-08-17 00:06:24  
Local clock offset: 1.632 ms  
Remote clock offset: -1.518 ms

# Below is generated by plot.py at 2017-08-17 01:59:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.85 Mbit/s  
95th percentile per-packet one-way delay: 52.973 ms  
Loss rate: 4.05%  
-- Flow 1:  
Average throughput: 74.85 Mbit/s  
95th percentile per-packet one-way delay: 52.973 ms  
Loss rate: 4.05%

Run 6: Report of CalibratedKoho — Data Link



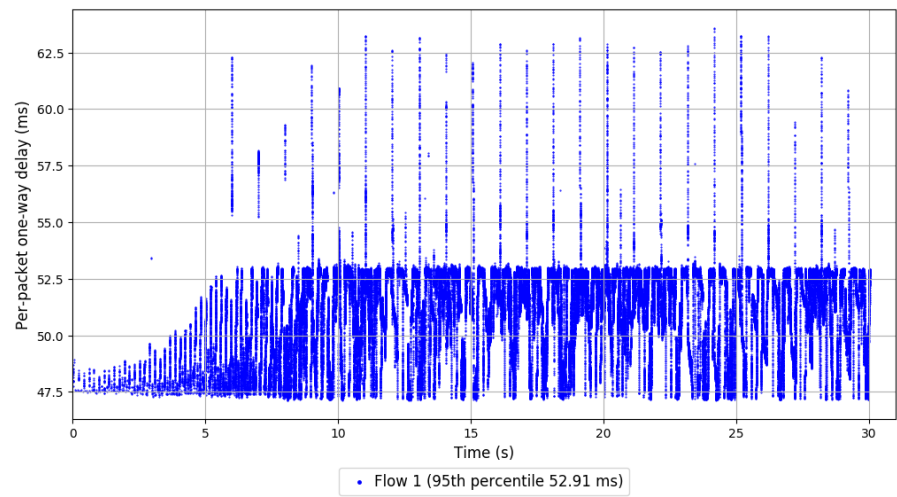
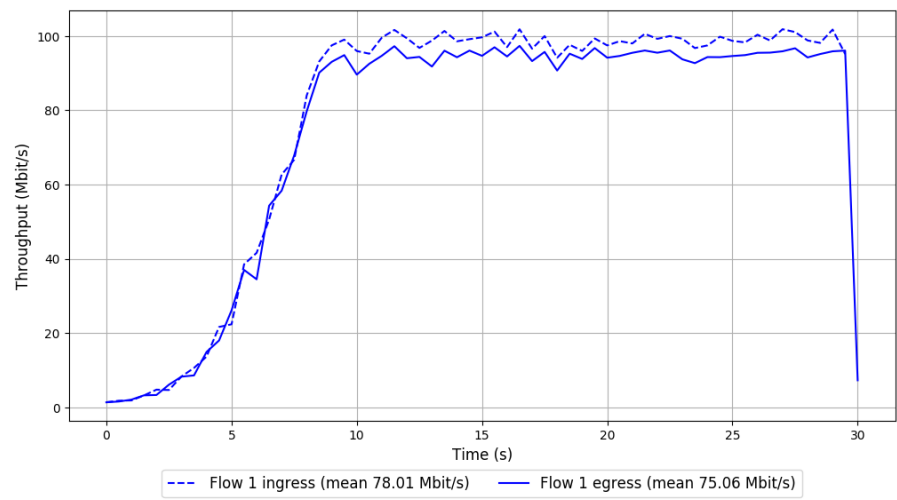
Run 7: Statistics of CalibratedKoho

Start at: 2017-08-17 00:27:47  
End at: 2017-08-17 00:28:17  
Local clock offset: 1.893 ms  
Remote clock offset: -1.675 ms

# Below is generated by plot.py at 2017-08-17 02:00:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 75.06 Mbit/s  
95th percentile per-packet one-way delay: 52.914 ms  
Loss rate: 3.77%  
-- Flow 1:  
Average throughput: 75.06 Mbit/s  
95th percentile per-packet one-way delay: 52.914 ms  
Loss rate: 3.77%



Run 7: Report of CalibratedKoho — Data Link

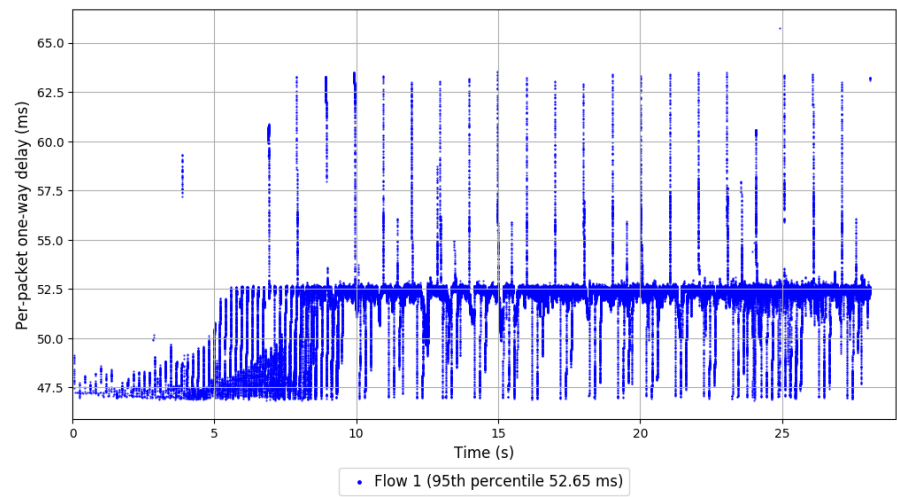
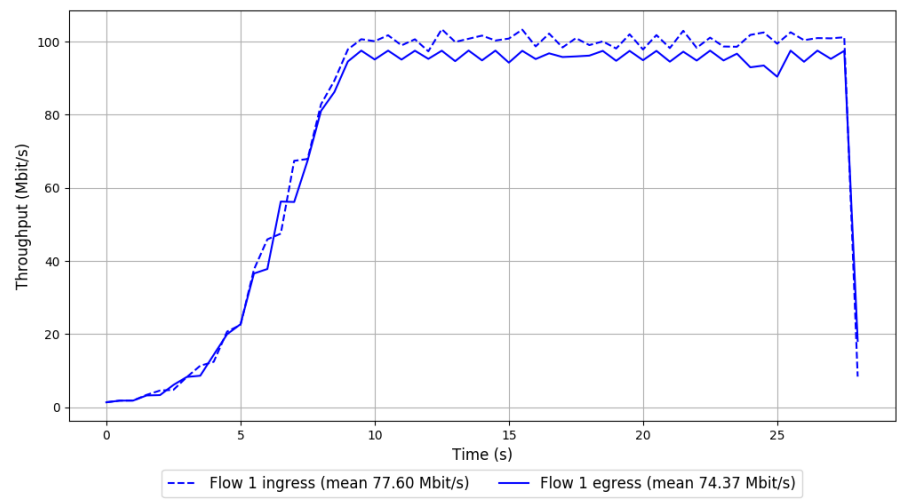


Run 8: Statistics of CalibratedKoho

Start at: 2017-08-17 00:48:34  
End at: 2017-08-17 00:49:04  
Local clock offset: 2.403 ms  
Remote clock offset: -1.774 ms

# Below is generated by plot.py at 2017-08-17 02:00:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.37 Mbit/s  
95th percentile per-packet one-way delay: 52.647 ms  
Loss rate: 4.12%  
-- Flow 1:  
Average throughput: 74.37 Mbit/s  
95th percentile per-packet one-way delay: 52.647 ms  
Loss rate: 4.12%

Run 8: Report of CalibratedKoho — Data Link

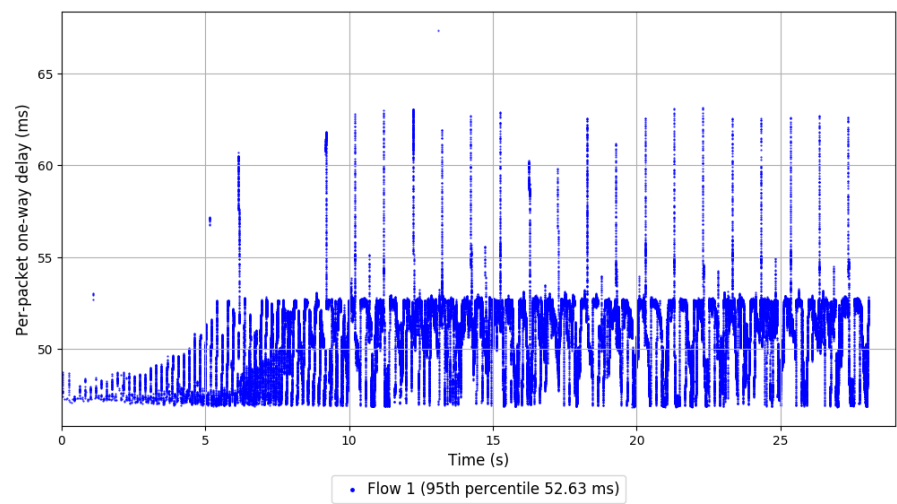
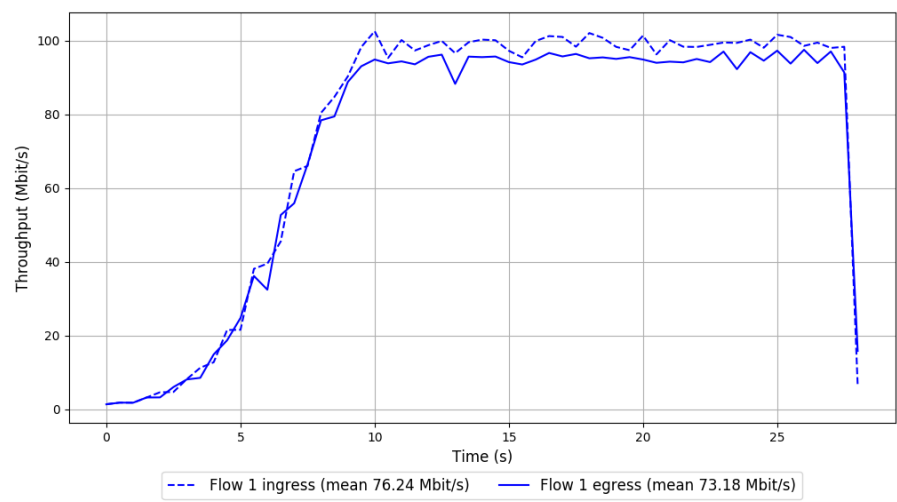


Run 9: Statistics of CalibratedKoho

Start at: 2017-08-17 01:09:15  
End at: 2017-08-17 01:09:45  
Local clock offset: 2.189 ms  
Remote clock offset: -1.595 ms

# Below is generated by plot.py at 2017-08-17 02:00:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 73.18 Mbit/s  
95th percentile per-packet one-way delay: 52.632 ms  
Loss rate: 3.99%  
-- Flow 1:  
Average throughput: 73.18 Mbit/s  
95th percentile per-packet one-way delay: 52.632 ms  
Loss rate: 3.99%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

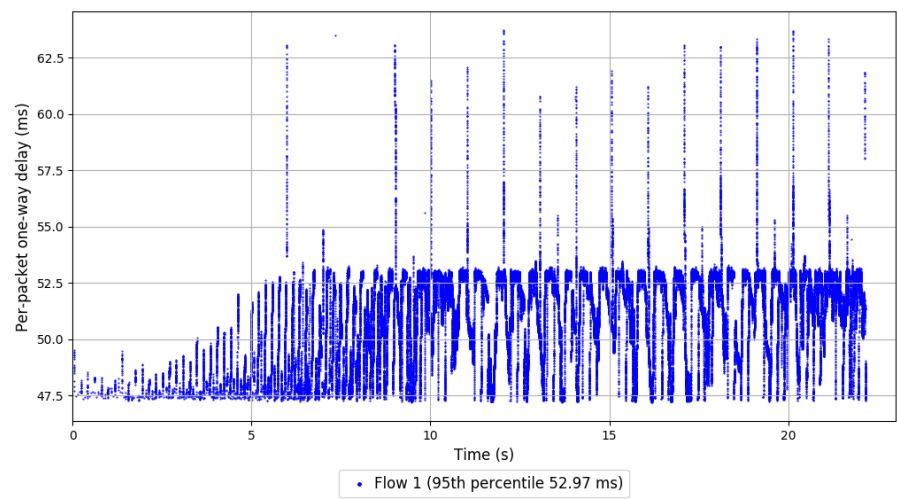
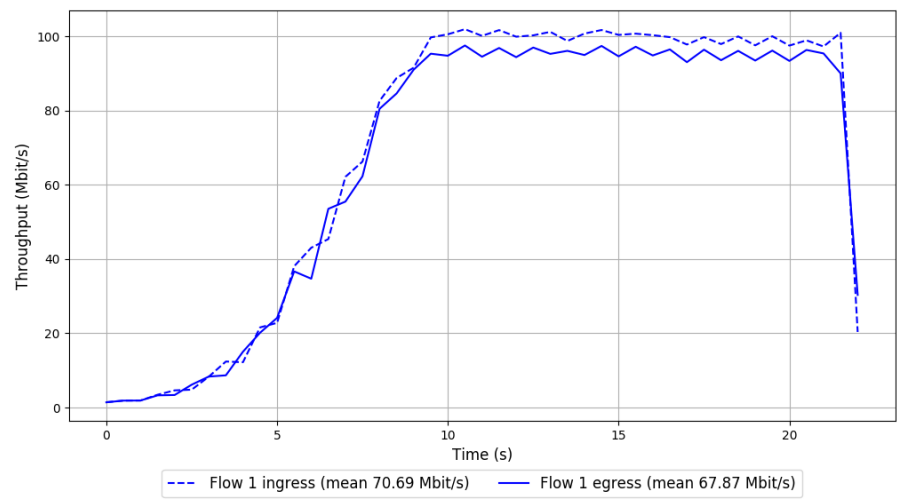
Start at: 2017-08-17 01:30:27

End at: 2017-08-17 01:30:57

Local clock offset: 1.924 ms

Remote clock offset: -1.464 ms

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: 2017-08-16 22:17:04

End at: 2017-08-16 22:17:34

Local clock offset: 0.322 ms

Remote clock offset: -0.635 ms

# Below is generated by plot.py at 2017-08-17 02:00:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 63.21 Mbit/s

95th percentile per-packet one-way delay: 47.645 ms

Loss rate: 0.00%

-- Flow 1:

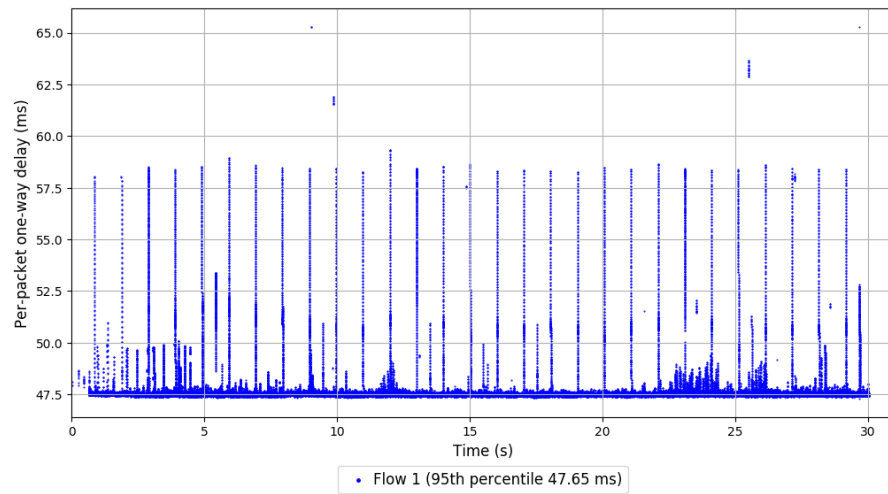
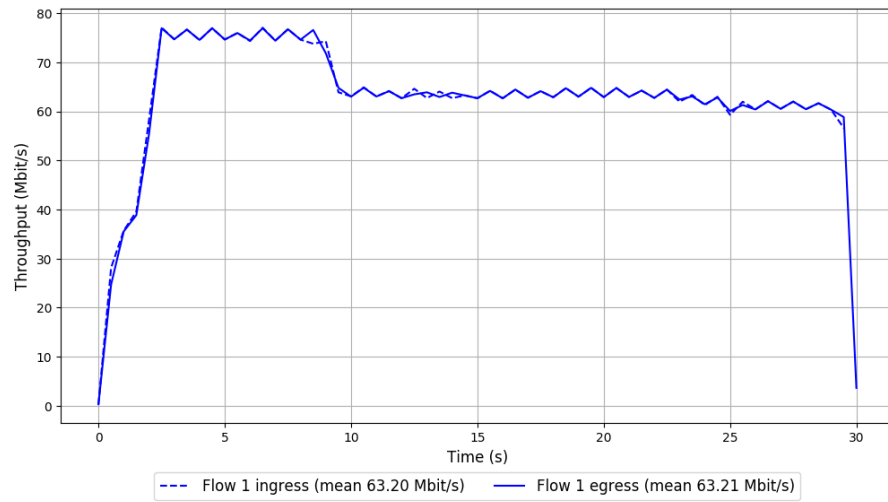
Average throughput: 63.21 Mbit/s

95th percentile per-packet one-way delay: 47.645 ms

Loss rate: 0.00%



### Run 1: Report of Copa — Data Link

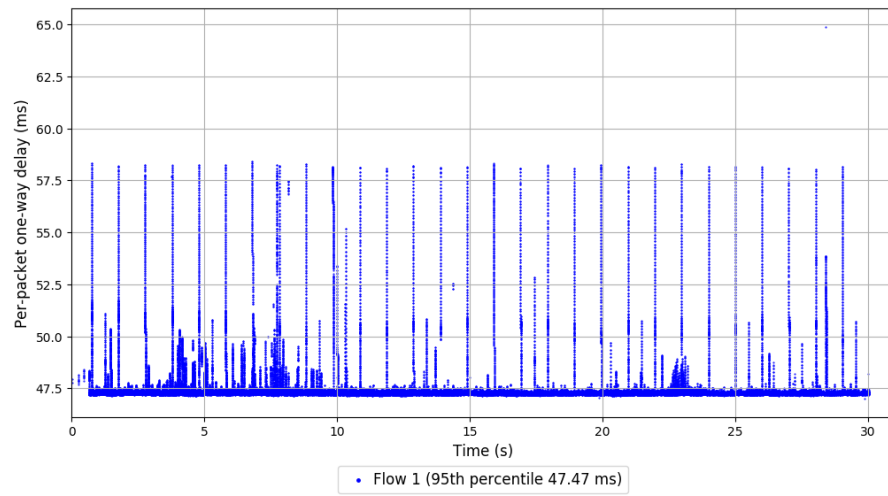
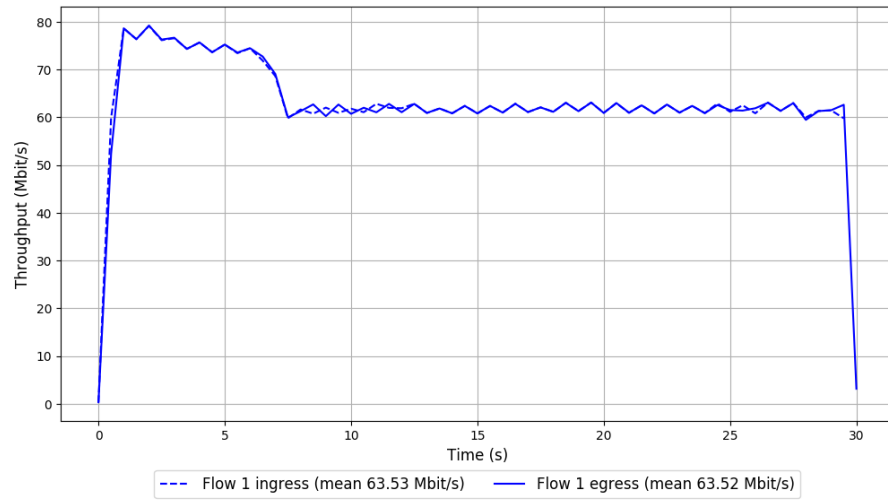


Run 2: Statistics of Copa

Start at: 2017-08-16 22:39:06  
End at: 2017-08-16 22:39:36  
Local clock offset: 0.765 ms  
Remote clock offset: -1.041 ms

# Below is generated by plot.py at 2017-08-17 02:00:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 63.52 Mbit/s  
95th percentile per-packet one-way delay: 47.470 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 63.52 Mbit/s  
95th percentile per-packet one-way delay: 47.470 ms  
Loss rate: 0.02%

## Run 2: Report of Copa — Data Link

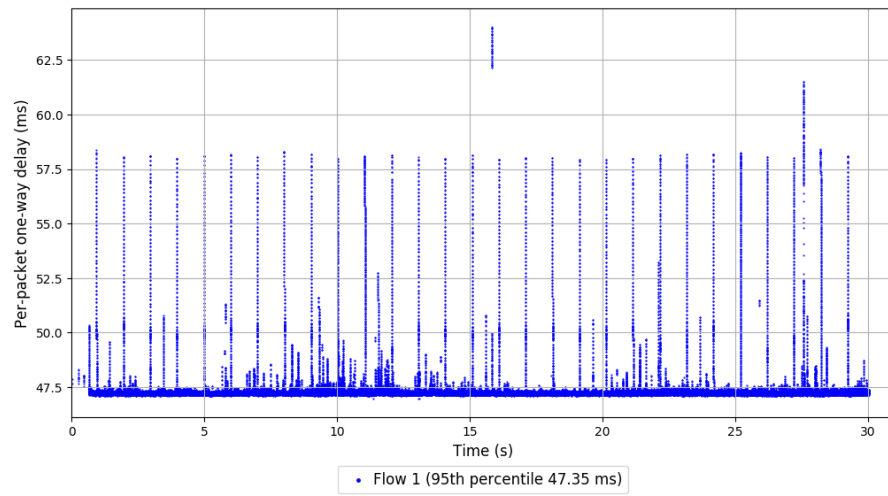
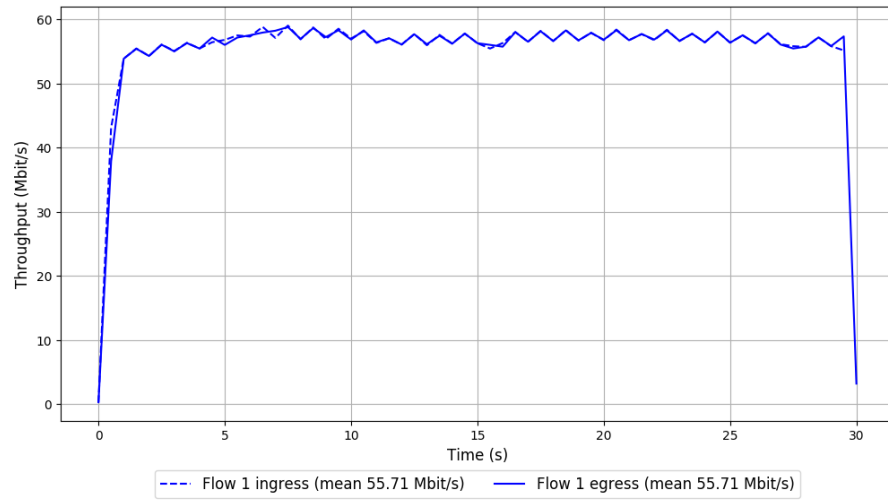


Run 3: Statistics of Copa

Start at: 2017-08-16 23:00:24  
End at: 2017-08-16 23:00:54  
Local clock offset: 1.044 ms  
Remote clock offset: -1.303 ms

# Below is generated by plot.py at 2017-08-17 02:00:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 55.71 Mbit/s  
95th percentile per-packet one-way delay: 47.348 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 55.71 Mbit/s  
95th percentile per-packet one-way delay: 47.348 ms  
Loss rate: 0.01%

### Run 3: Report of Copa — Data Link

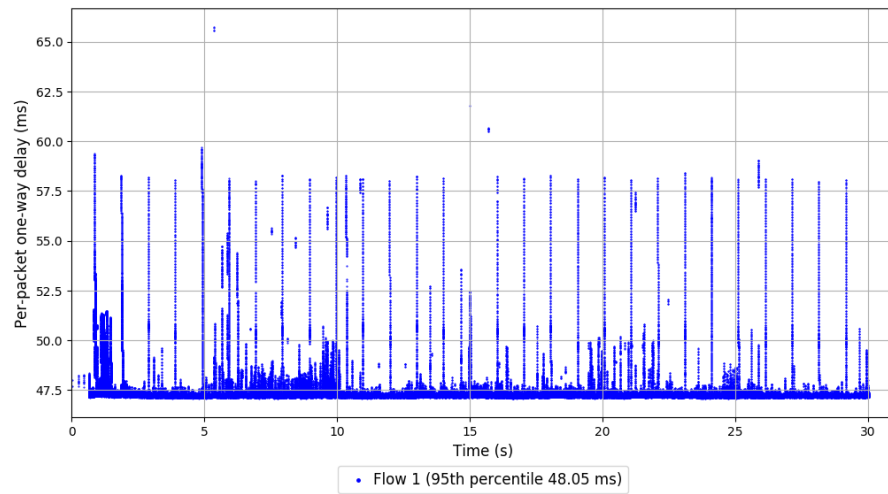
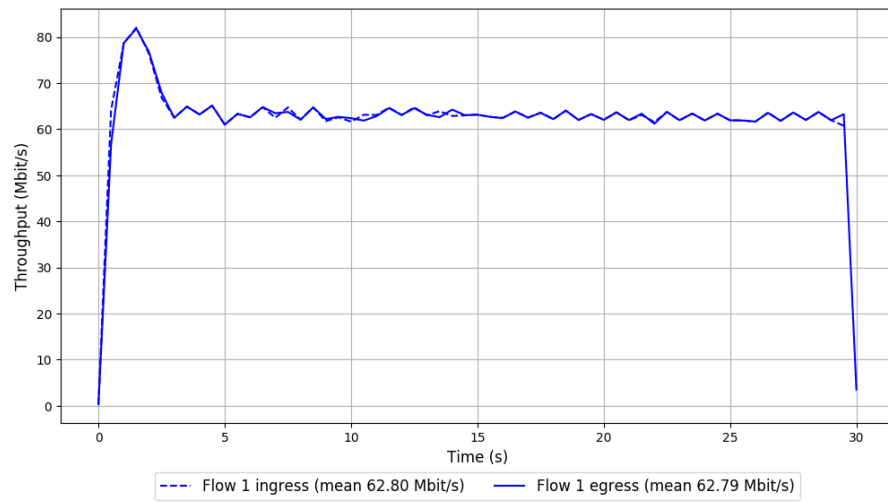


Run 4: Statistics of Copa

Start at: 2017-08-16 23:21:55  
End at: 2017-08-16 23:22:25  
Local clock offset: 0.98 ms  
Remote clock offset: -1.336 ms

# Below is generated by plot.py at 2017-08-17 02:00:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 62.79 Mbit/s  
95th percentile per-packet one-way delay: 48.049 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 62.79 Mbit/s  
95th percentile per-packet one-way delay: 48.049 ms  
Loss rate: 0.02%

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



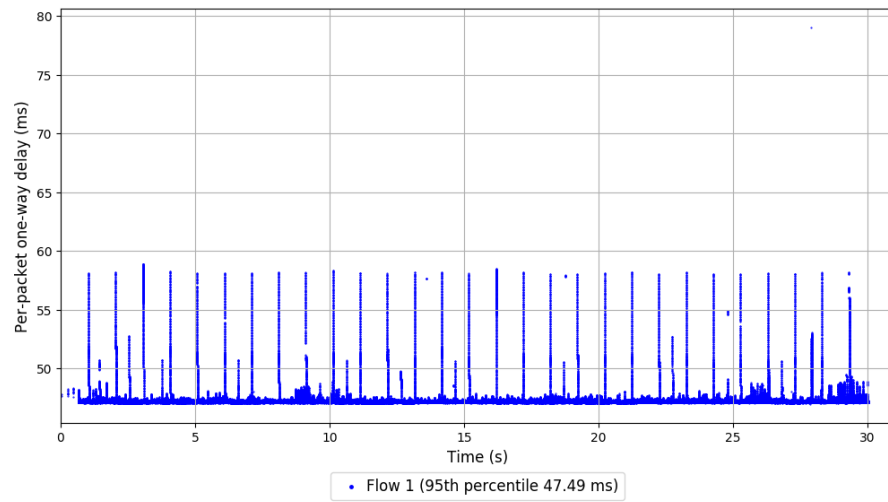
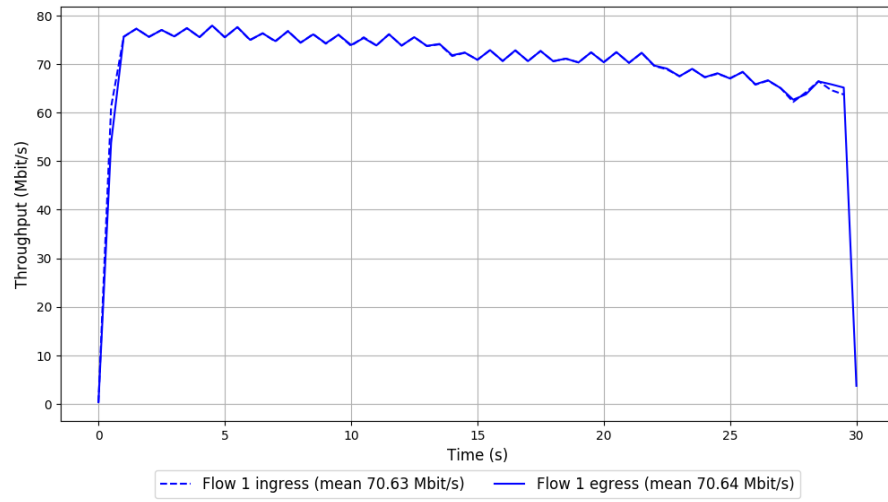
Run 5: Statistics of Copa

Start at: 2017-08-16 23:43:18  
End at: 2017-08-16 23:43:48  
Local clock offset: 1.311 ms  
Remote clock offset: -1.427 ms

# Below is generated by plot.py at 2017-08-17 02:01:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.64 Mbit/s  
95th percentile per-packet one-way delay: 47.490 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 70.64 Mbit/s  
95th percentile per-packet one-way delay: 47.490 ms  
Loss rate: 0.00%



### Run 5: Report of Copa — Data Link

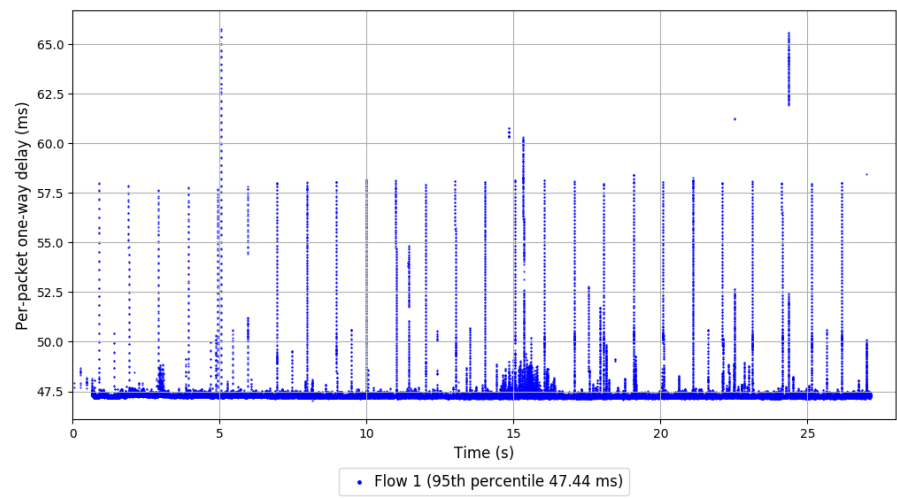
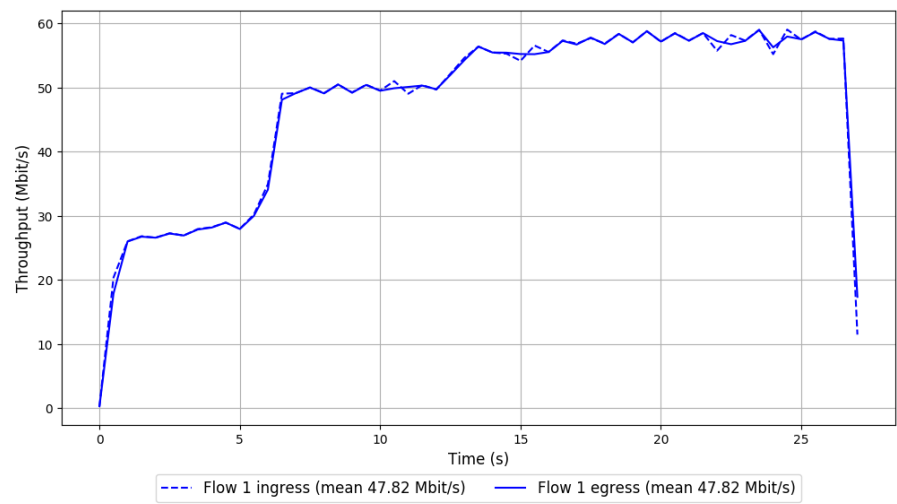


Run 6: Statistics of Copa

Start at: 2017-08-17 00:04:13  
End at: 2017-08-17 00:04:43  
Local clock offset: 1.579 ms  
Remote clock offset: -1.561 ms

# Below is generated by plot.py at 2017-08-17 02:01:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 47.82 Mbit/s  
95th percentile per-packet one-way delay: 47.440 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 47.82 Mbit/s  
95th percentile per-packet one-way delay: 47.440 ms  
Loss rate: 0.02%

Run 6: Report of Copa — Data Link

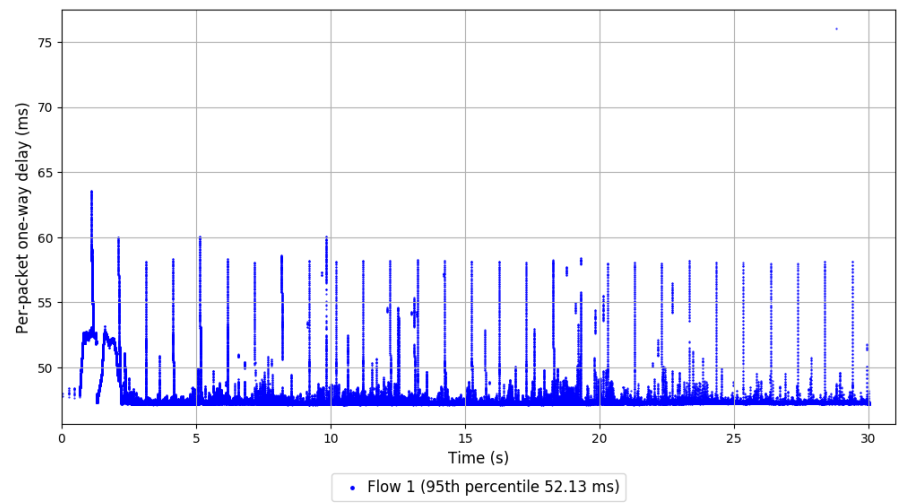
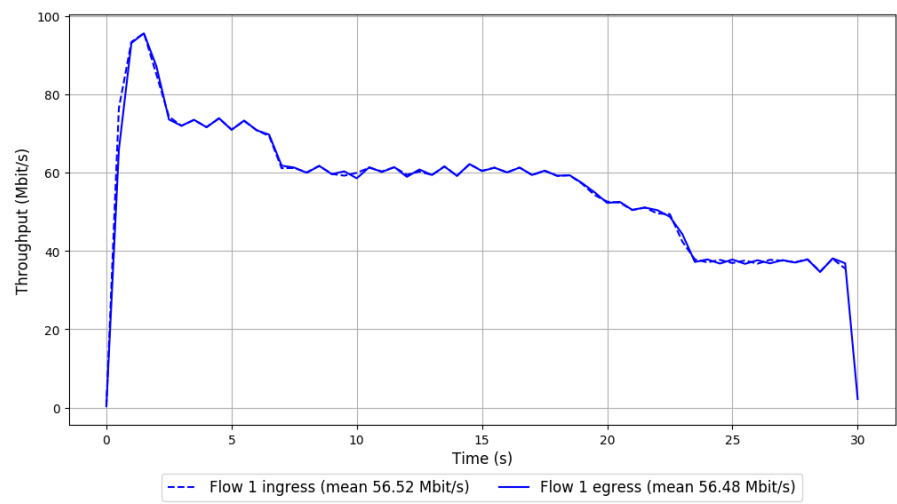


Run 7: Statistics of Copa

Start at: 2017-08-17 00:25:50  
End at: 2017-08-17 00:26:20  
Local clock offset: 2.11 ms  
Remote clock offset: -1.682 ms

# Below is generated by plot.py at 2017-08-17 02:01:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 56.48 Mbit/s  
95th percentile per-packet one-way delay: 52.128 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 56.48 Mbit/s  
95th percentile per-packet one-way delay: 52.128 ms  
Loss rate: 0.09%

Run 7: Report of Copa — Data Link

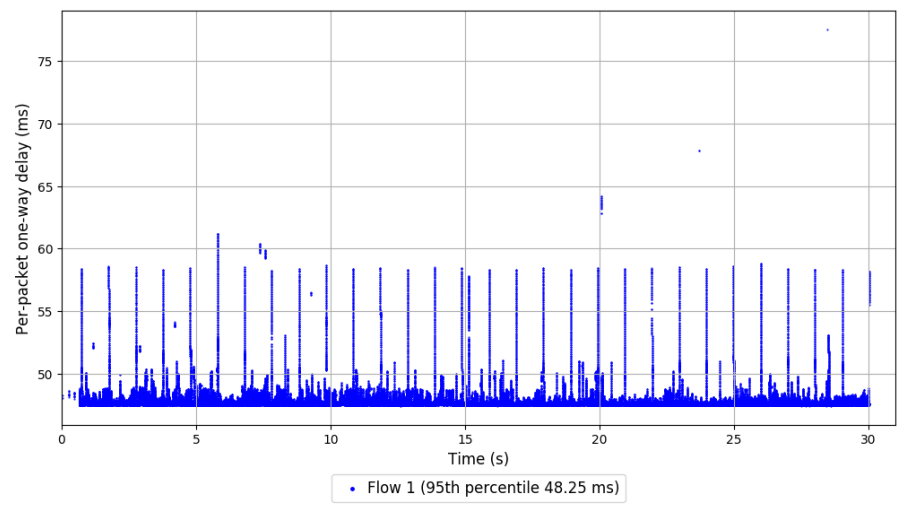
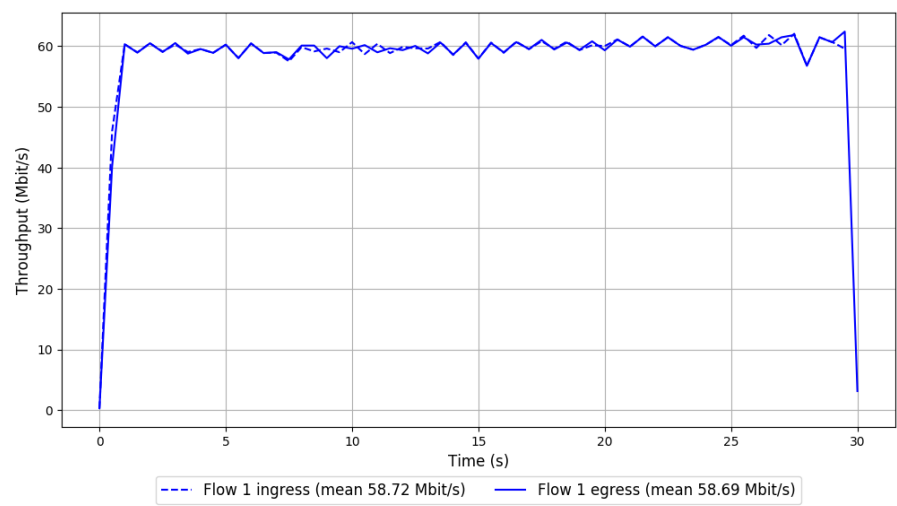


Run 8: Statistics of Copa

Start at: 2017-08-17 00:46:50  
End at: 2017-08-17 00:47:20  
Local clock offset: 2.025 ms  
Remote clock offset: -1.793 ms

# Below is generated by plot.py at 2017-08-17 02:01:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 58.69 Mbit/s  
95th percentile per-packet one-way delay: 48.246 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 58.69 Mbit/s  
95th percentile per-packet one-way delay: 48.246 ms  
Loss rate: 0.02%

Run 8: Report of Copa — Data Link



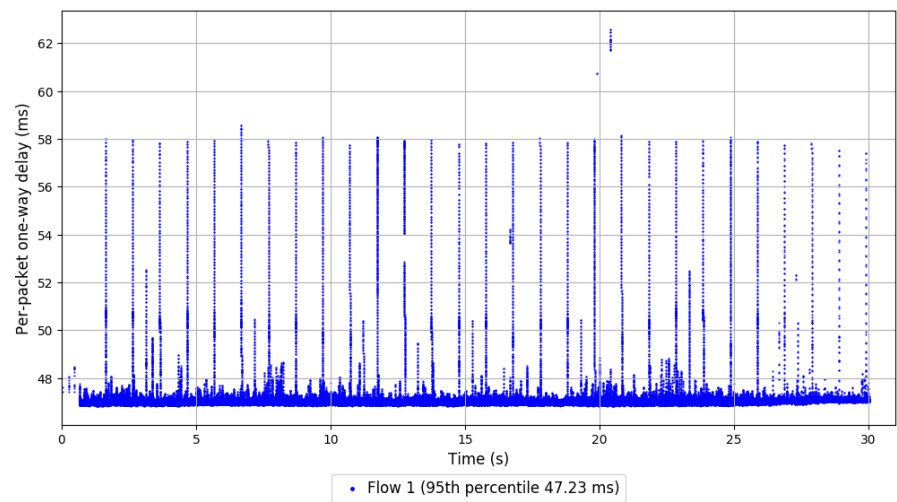
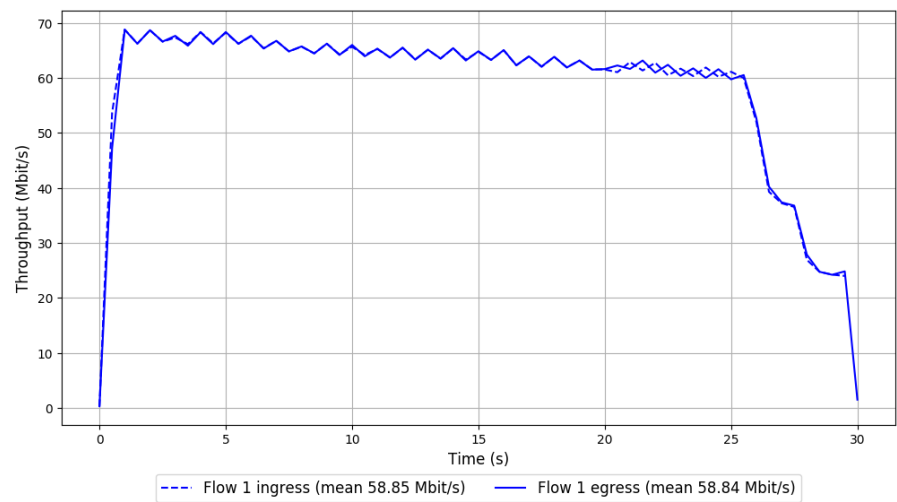
Run 9: Statistics of Copa

Start at: 2017-08-17 01:07:28  
End at: 2017-08-17 01:07:58  
Local clock offset: 2.137 ms  
Remote clock offset: -1.655 ms

# Below is generated by plot.py at 2017-08-17 02:01:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 58.84 Mbit/s  
95th percentile per-packet one-way delay: 47.232 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 58.84 Mbit/s  
95th percentile per-packet one-way delay: 47.232 ms  
Loss rate: 0.01%



Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2017-08-17 01:28:46

End at: 2017-08-17 01:29:16

Local clock offset: 1.738 ms

Remote clock offset: -1.477 ms

# Below is generated by plot.py at 2017-08-17 02:01:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 47.63 Mbit/s

95th percentile per-packet one-way delay: 47.438 ms

Loss rate: 0.04%

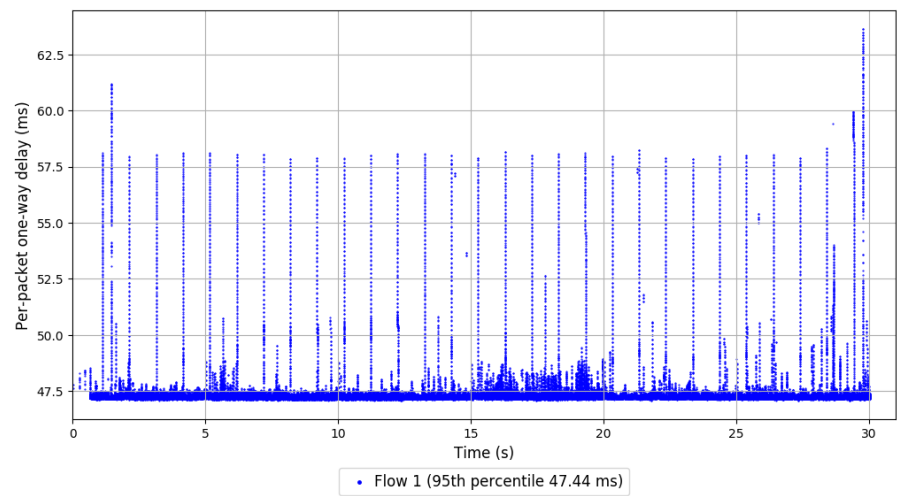
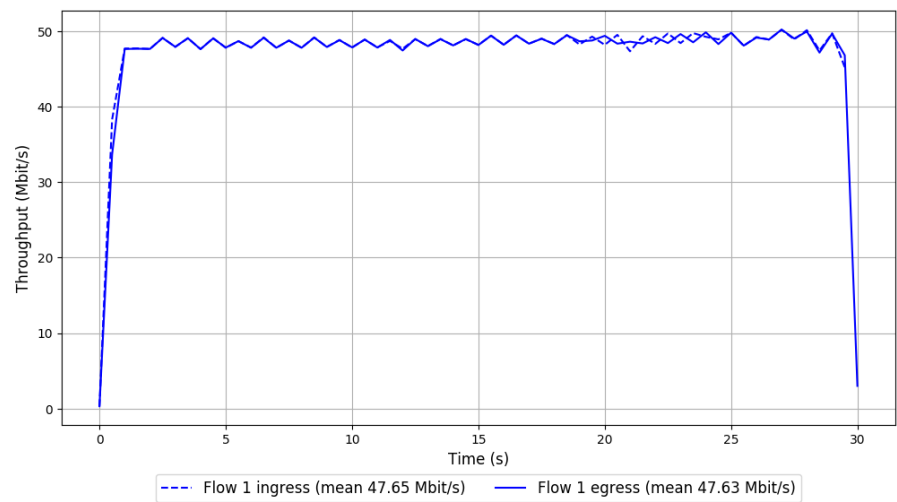
-- Flow 1:

Average throughput: 47.63 Mbit/s

95th percentile per-packet one-way delay: 47.438 ms

Loss rate: 0.04%

Run 10: Report of Copa — Data Link

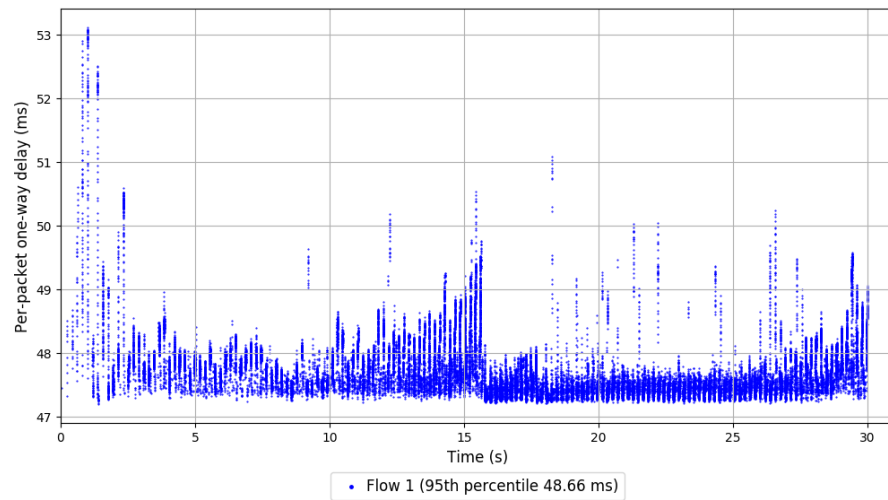
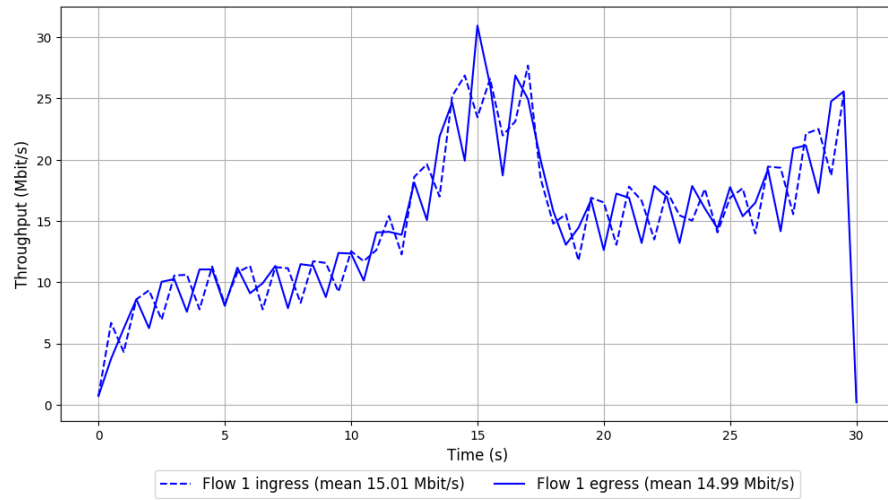


Run 1: Statistics of TCP Cubic

Start at: 2017-08-16 22:21:17  
End at: 2017-08-16 22:21:47  
Local clock offset: 0.35 ms  
Remote clock offset: -0.637 ms

# Below is generated by plot.py at 2017-08-17 02:01:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 14.99 Mbit/s  
95th percentile per-packet one-way delay: 48.665 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 14.99 Mbit/s  
95th percentile per-packet one-way delay: 48.665 ms  
Loss rate: 0.12%

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

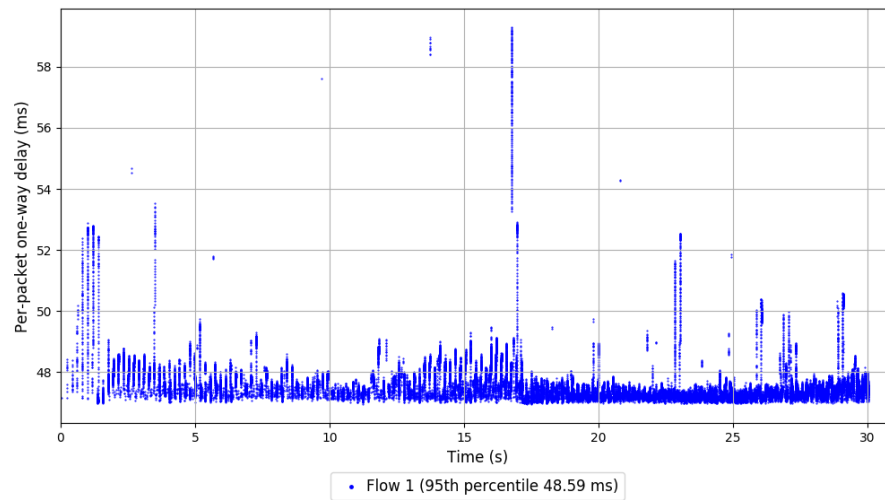
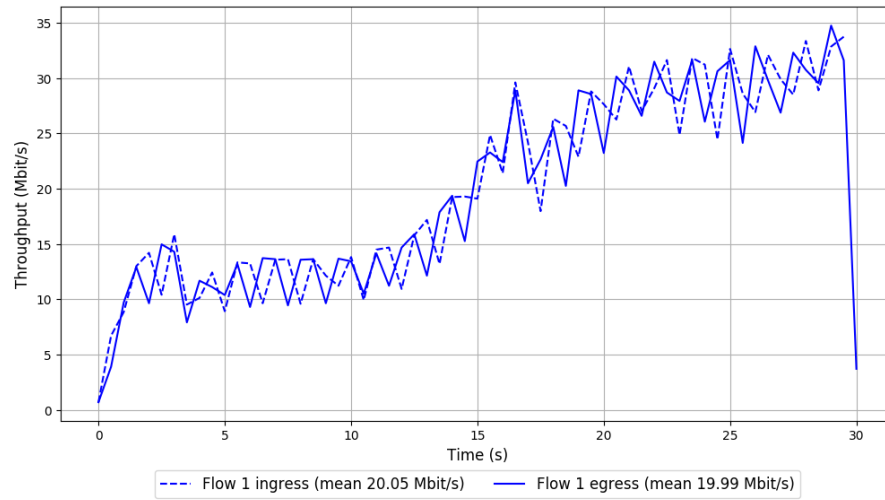


Run 2: Statistics of TCP Cubic

Start at: 2017-08-16 22:42:47  
End at: 2017-08-16 22:43:17  
Local clock offset: 0.83 ms  
Remote clock offset: -1.076 ms

# Below is generated by plot.py at 2017-08-17 02:01:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 19.99 Mbit/s  
95th percentile per-packet one-way delay: 48.590 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 19.99 Mbit/s  
95th percentile per-packet one-way delay: 48.590 ms  
Loss rate: 0.37%

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



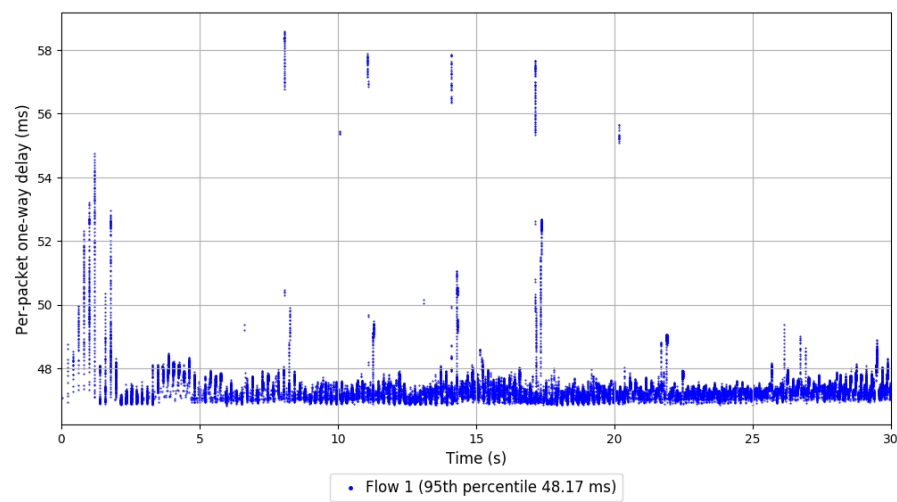
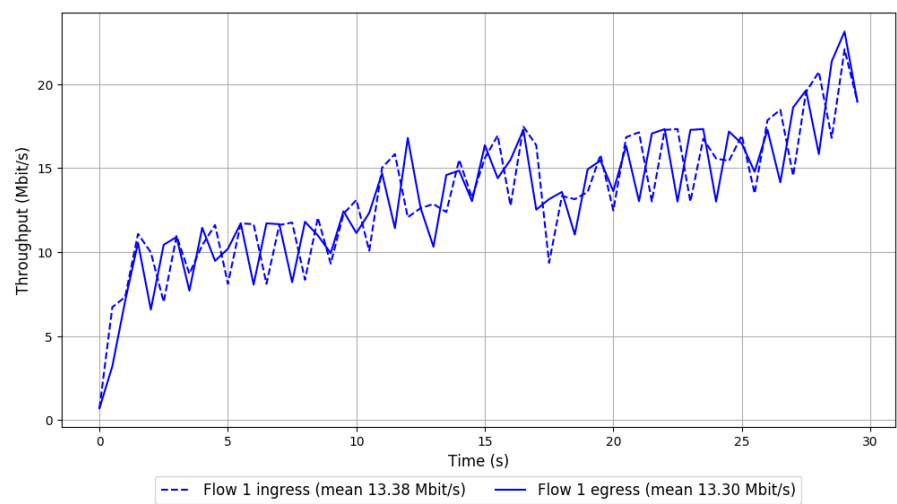
Run 3: Statistics of TCP Cubic

Start at: 2017-08-16 23:04:01  
End at: 2017-08-16 23:04:31  
Local clock offset: 1.133 ms  
Remote clock offset: -1.311 ms

# Below is generated by plot.py at 2017-08-17 02:01:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.30 Mbit/s  
95th percentile per-packet one-way delay: 48.167 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 13.30 Mbit/s  
95th percentile per-packet one-way delay: 48.167 ms  
Loss rate: 0.58%



Run 3: Report of TCP Cubic — Data Link

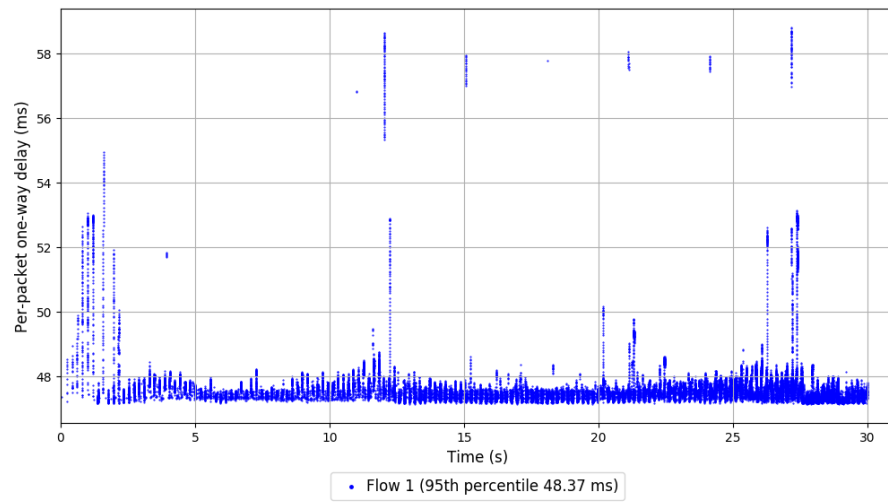
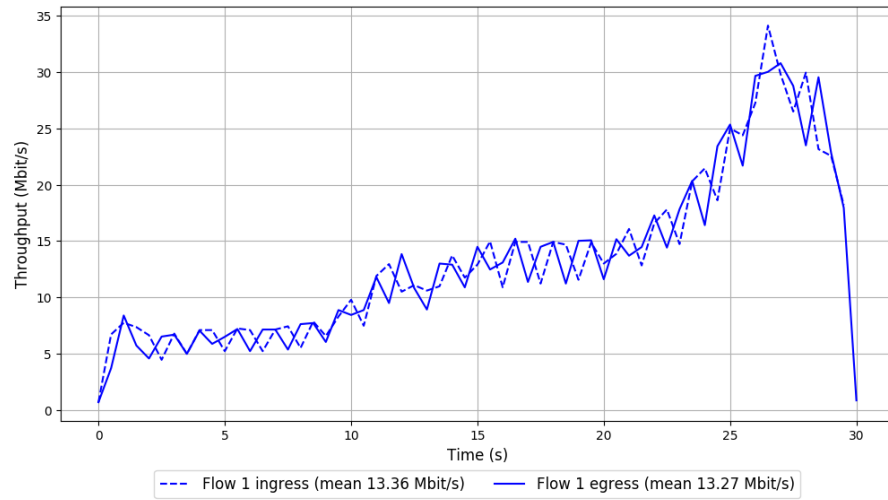


Run 4: Statistics of TCP Cubic

Start at: 2017-08-16 23:25:06  
End at: 2017-08-16 23:25:37  
Local clock offset: 1.323 ms  
Remote clock offset: -1.334 ms

# Below is generated by plot.py at 2017-08-17 02:01:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.27 Mbit/s  
95th percentile per-packet one-way delay: 48.373 ms  
Loss rate: 0.63%  
-- Flow 1:  
Average throughput: 13.27 Mbit/s  
95th percentile per-packet one-way delay: 48.373 ms  
Loss rate: 0.63%

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

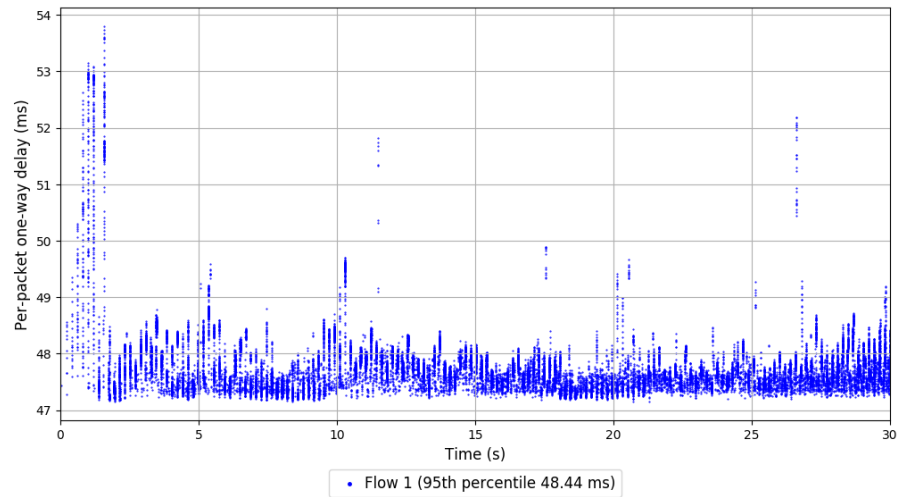
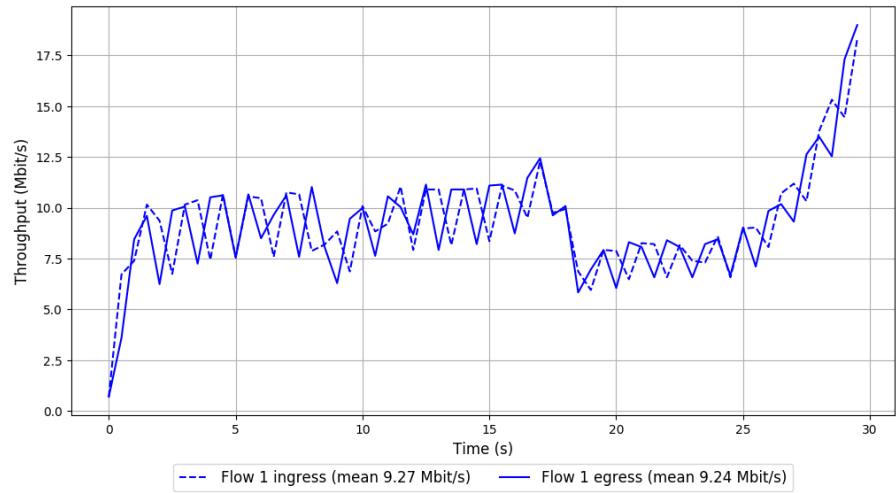


Run 5: Statistics of TCP Cubic

Start at: 2017-08-16 23:46:56  
End at: 2017-08-16 23:47:26  
Local clock offset: 1.311 ms  
Remote clock offset: -1.453 ms

# Below is generated by plot.py at 2017-08-17 02:01:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.24 Mbit/s  
95th percentile per-packet one-way delay: 48.444 ms  
Loss rate: 0.49%  
-- Flow 1:  
Average throughput: 9.24 Mbit/s  
95th percentile per-packet one-way delay: 48.444 ms  
Loss rate: 0.49%

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

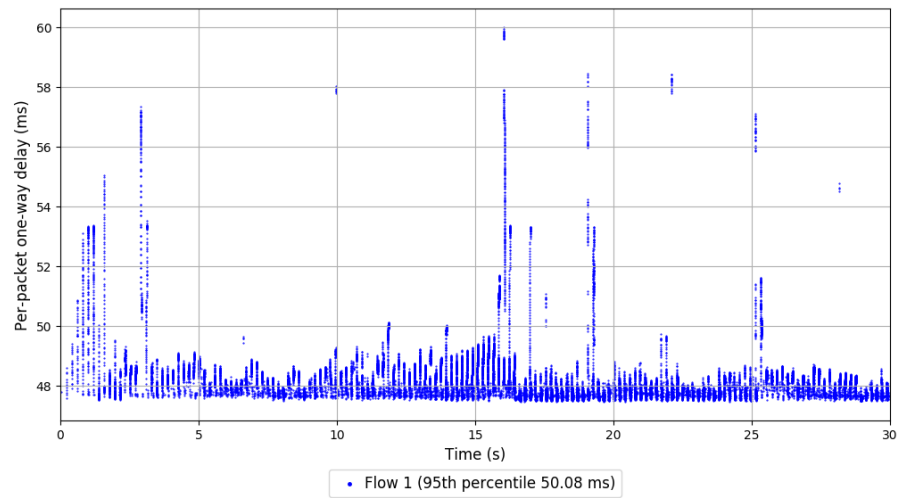
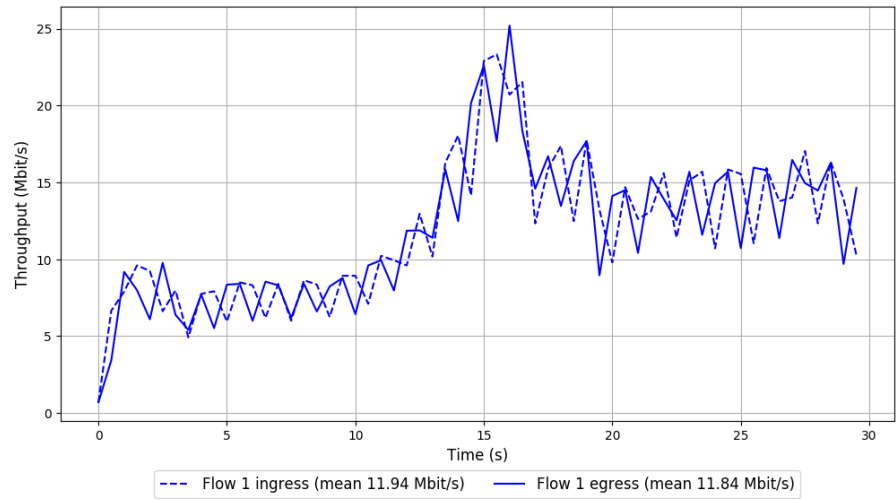


Run 6: Statistics of TCP Cubic

Start at: 2017-08-17 00:07:50  
End at: 2017-08-17 00:08:20  
Local clock offset: 1.655 ms  
Remote clock offset: -1.506 ms

# Below is generated by plot.py at 2017-08-17 02:01:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.84 Mbit/s  
95th percentile per-packet one-way delay: 50.075 ms  
Loss rate: 0.88%  
-- Flow 1:  
Average throughput: 11.84 Mbit/s  
95th percentile per-packet one-way delay: 50.075 ms  
Loss rate: 0.88%

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



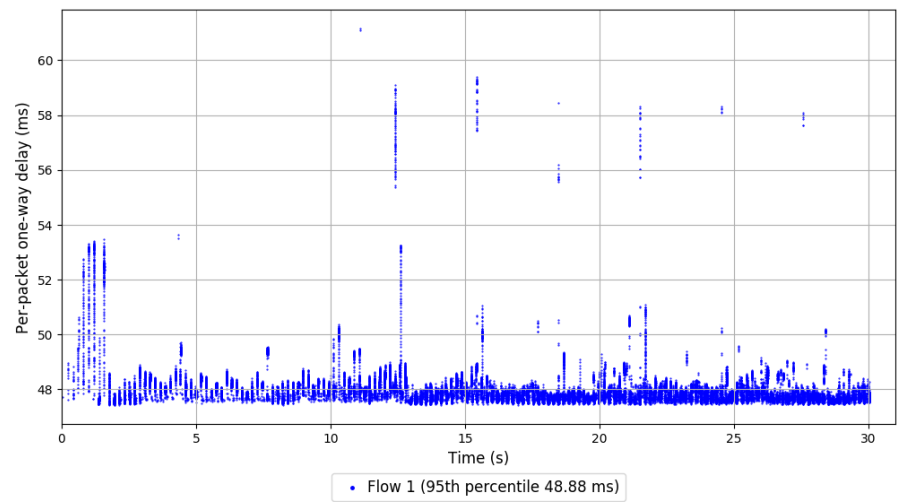
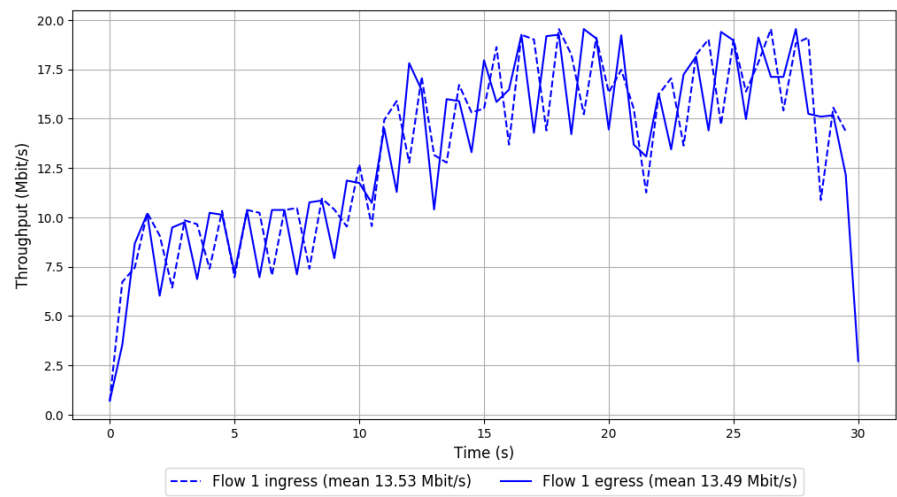
Run 7: Statistics of TCP Cubic

Start at: 2017-08-17 00:29:19  
End at: 2017-08-17 00:29:49  
Local clock offset: 1.902 ms  
Remote clock offset: -1.721 ms

# Below is generated by plot.py at 2017-08-17 02:01:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.49 Mbit/s  
95th percentile per-packet one-way delay: 48.882 ms  
Loss rate: 0.30%  
-- Flow 1:  
Average throughput: 13.49 Mbit/s  
95th percentile per-packet one-way delay: 48.882 ms  
Loss rate: 0.30%



Run 7: Report of TCP Cubic — Data Link

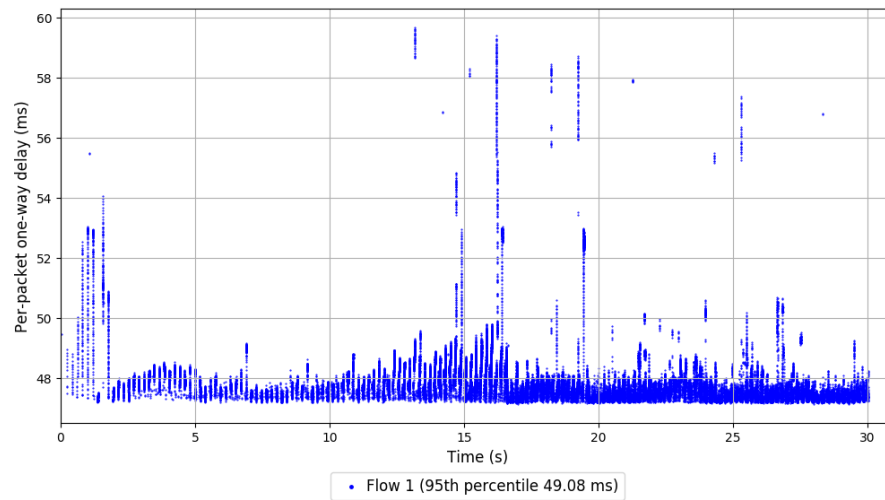
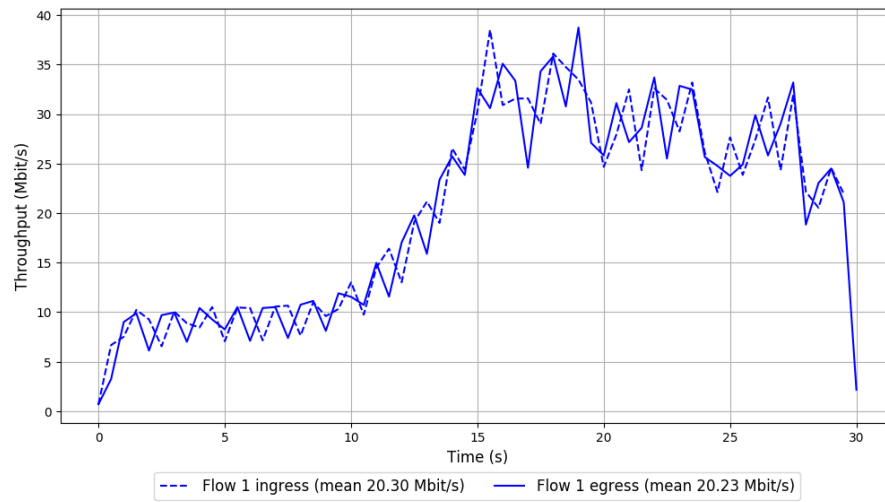


Run 8: Statistics of TCP Cubic

Start at: 2017-08-17 00:50:06  
End at: 2017-08-17 00:50:36  
Local clock offset: 2.325 ms  
Remote clock offset: -1.752 ms

# Below is generated by plot.py at 2017-08-17 02:01:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 20.23 Mbit/s  
95th percentile per-packet one-way delay: 49.081 ms  
Loss rate: 0.36%  
-- Flow 1:  
Average throughput: 20.23 Mbit/s  
95th percentile per-packet one-way delay: 49.081 ms  
Loss rate: 0.36%

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

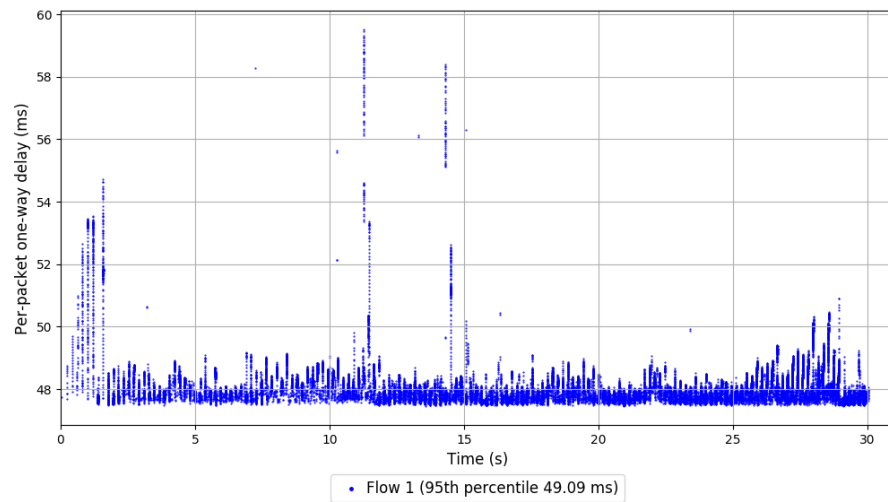
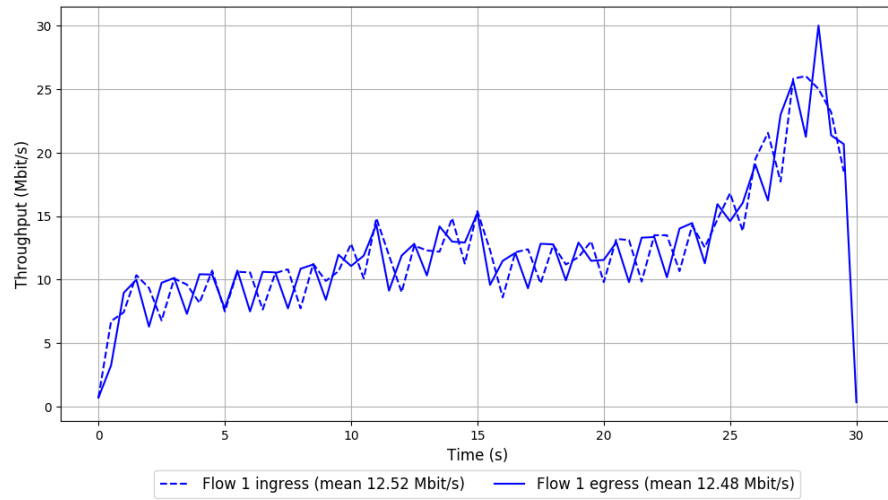


Run 9: Statistics of TCP Cubic

Start at: 2017-08-17 01:11:00  
End at: 2017-08-17 01:11:30  
Local clock offset: 1.835 ms  
Remote clock offset: -1.589 ms

# Below is generated by plot.py at 2017-08-17 02:01:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.48 Mbit/s  
95th percentile per-packet one-way delay: 49.087 ms  
Loss rate: 0.36%  
-- Flow 1:  
Average throughput: 12.48 Mbit/s  
95th percentile per-packet one-way delay: 49.087 ms  
Loss rate: 0.36%

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



Run 10: Statistics of TCP Cubic

Start at: 2017-08-17 01:32:04

End at: 2017-08-17 01:32:34

Local clock offset: 1.681 ms

Remote clock offset: -1.466 ms

# Below is generated by plot.py at 2017-08-17 02:01:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 8.64 Mbit/s

95th percentile per-packet one-way delay: 49.057 ms

Loss rate: 0.42%

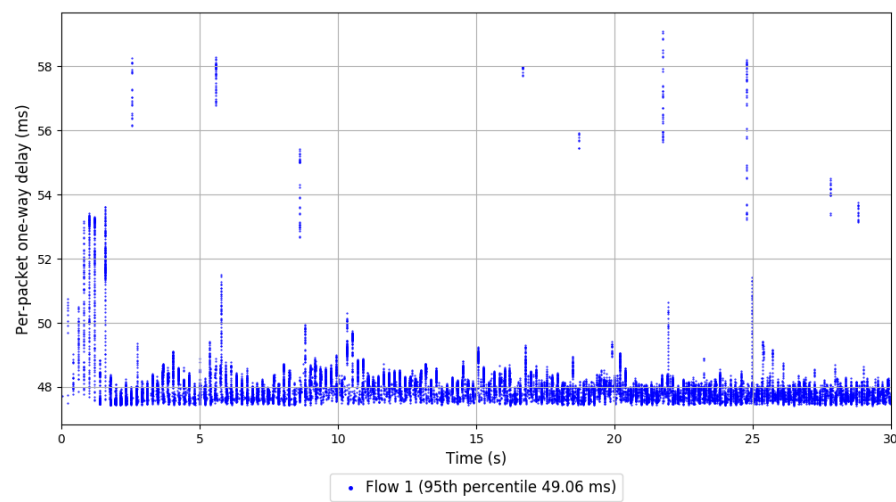
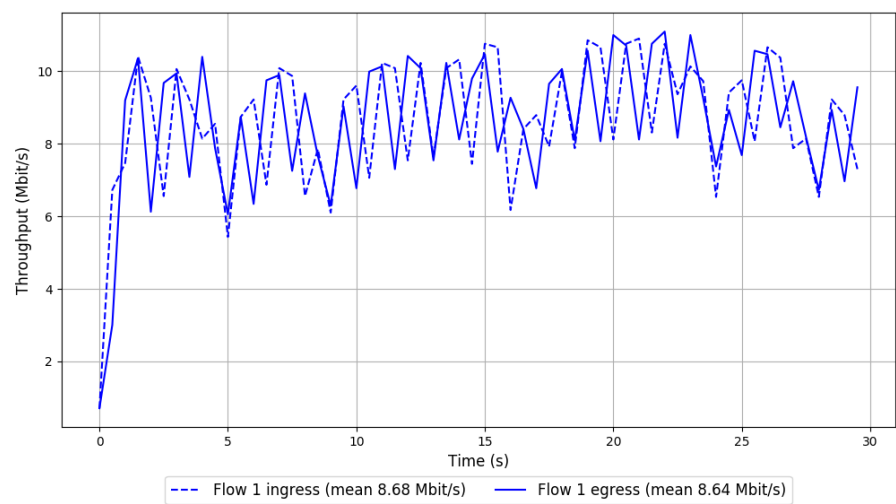
-- Flow 1:

Average throughput: 8.64 Mbit/s

95th percentile per-packet one-way delay: 49.057 ms

Loss rate: 0.42%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: 2017-08-16 22:26:57

End at: 2017-08-16 22:27:27

Local clock offset: 0.376 ms

Remote clock offset: -0.702 ms

# Below is generated by plot.py at 2017-08-17 02:01:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 48.788 ms

Loss rate: 0.00%

-- Flow 1:

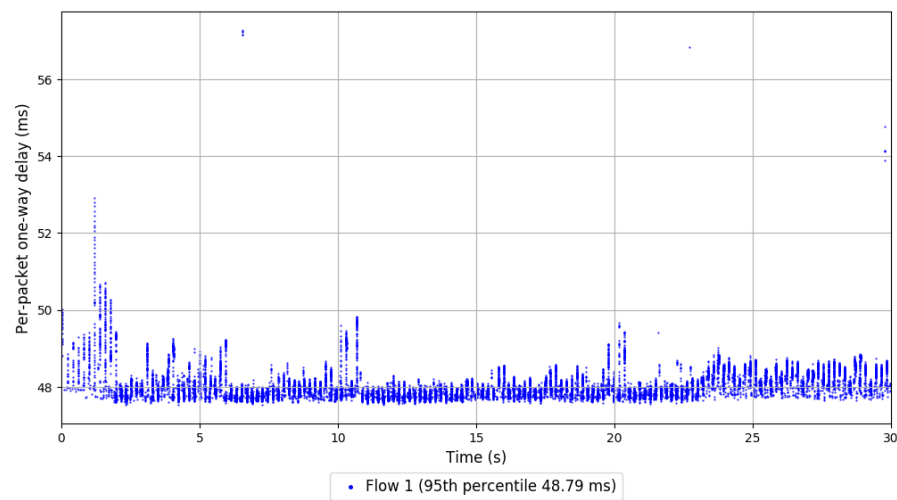
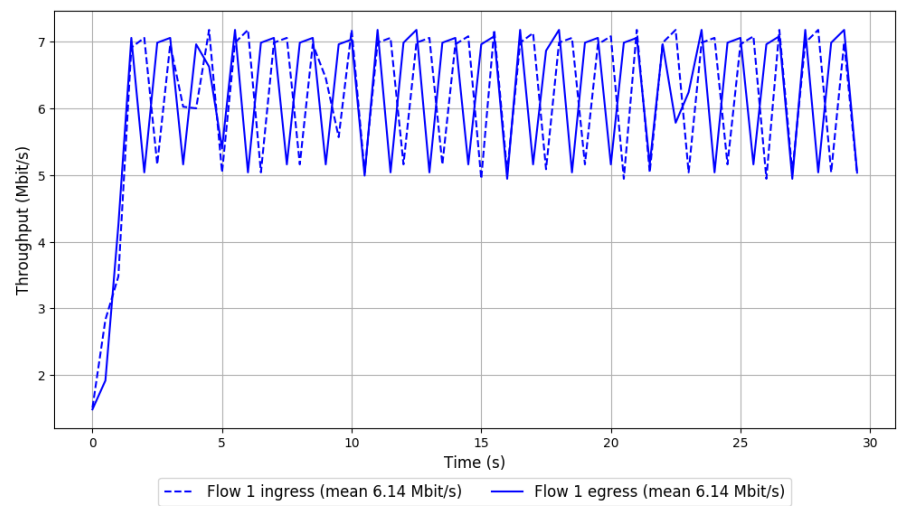
Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 48.788 ms

Loss rate: 0.00%



Run 1: Report of KohoCC — Data Link

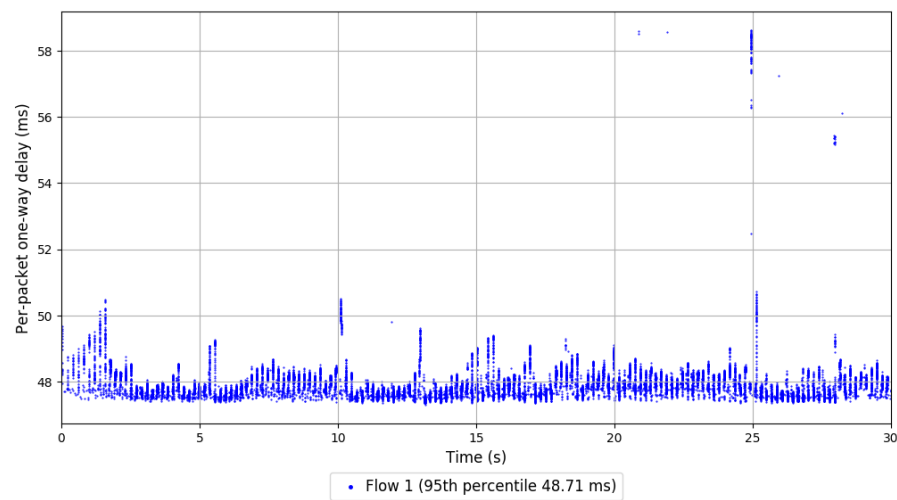
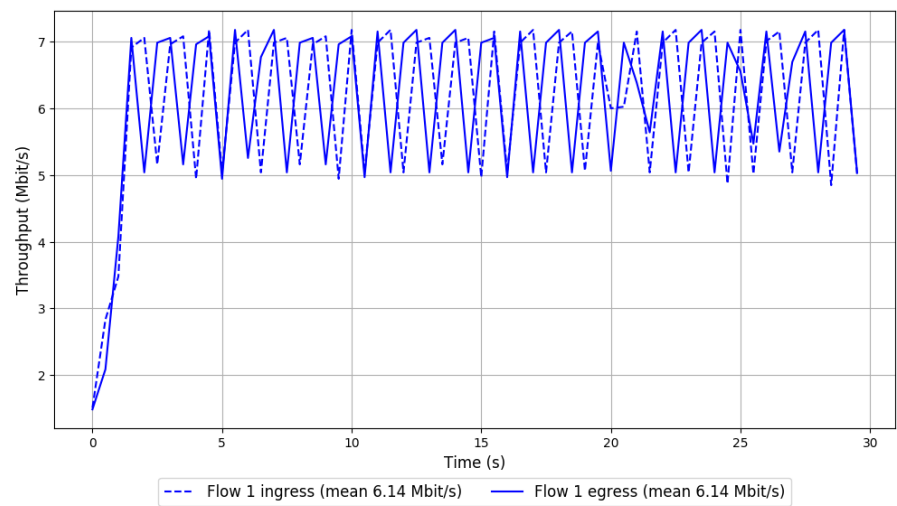


Run 2: Statistics of KohoCC

Start at: 2017-08-16 22:48:33  
End at: 2017-08-16 22:49:03  
Local clock offset: 0.723 ms  
Remote clock offset: -1.157 ms

# Below is generated by plot.py at 2017-08-17 02:01:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.14 Mbit/s  
95th percentile per-packet one-way delay: 48.714 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 6.14 Mbit/s  
95th percentile per-packet one-way delay: 48.714 ms  
Loss rate: 0.00%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: 2017-08-16 23:09:53

End at: 2017-08-16 23:10:23

Local clock offset: 0.839 ms

Remote clock offset: -1.249 ms

# Below is generated by plot.py at 2017-08-17 02:01:44

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 49.068 ms

Loss rate: 0.02%

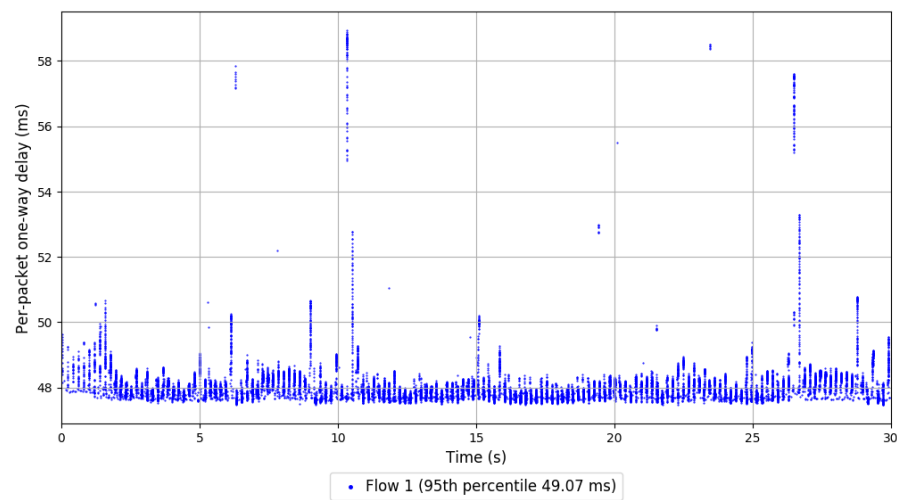
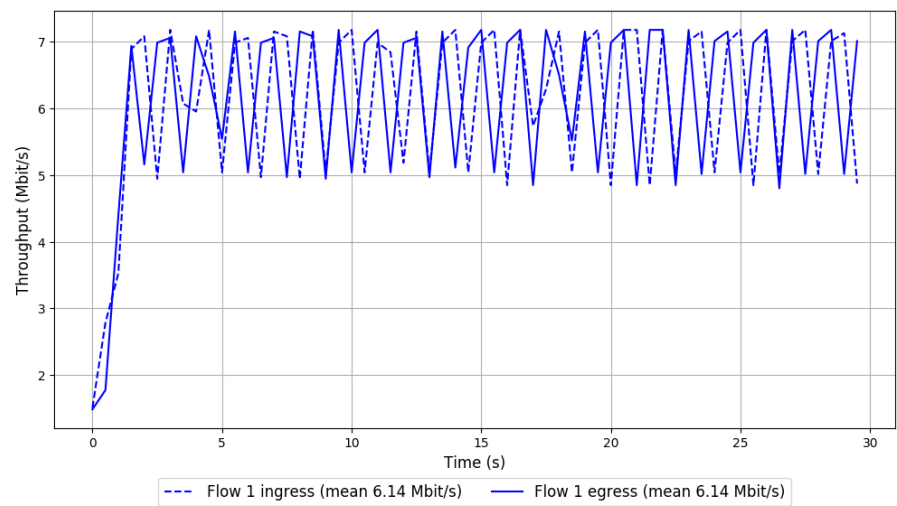
-- Flow 1:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 49.068 ms

Loss rate: 0.02%

Run 3: Report of KohoCC — Data Link

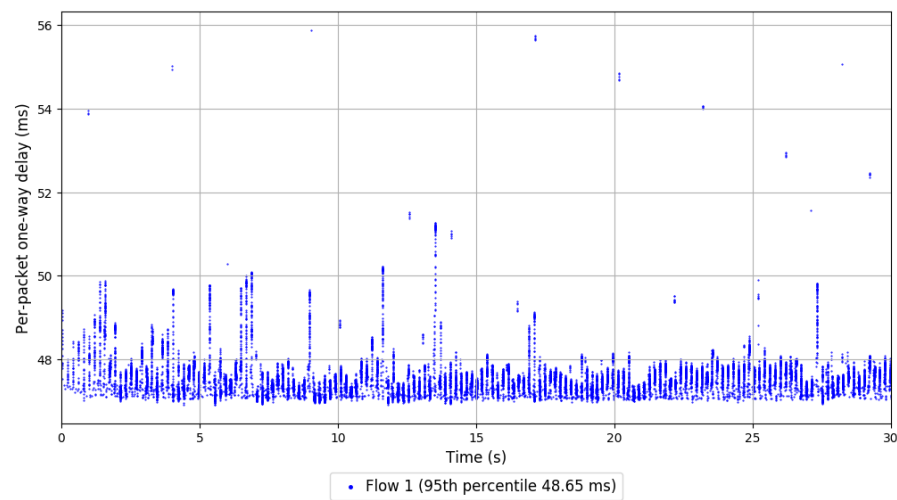
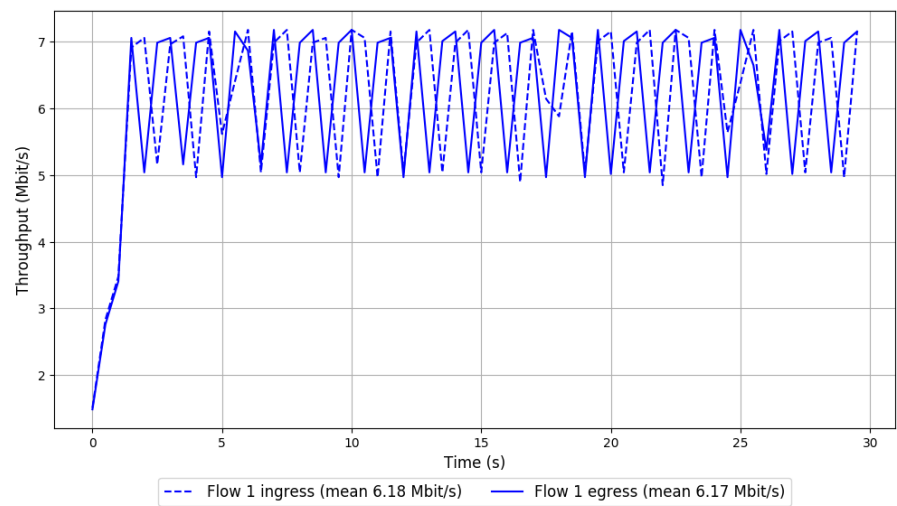


Run 4: Statistics of KohoCC

Start at: 2017-08-16 23:31:01  
End at: 2017-08-16 23:31:31  
Local clock offset: 1.374 ms  
Remote clock offset: -1.286 ms

# Below is generated by plot.py at 2017-08-17 02:01:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.17 Mbit/s  
95th percentile per-packet one-way delay: 48.650 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 6.17 Mbit/s  
95th percentile per-packet one-way delay: 48.650 ms  
Loss rate: 0.01%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: 2017-08-16 23:52:36

End at: 2017-08-16 23:53:06

Local clock offset: 1.407 ms

Remote clock offset: -1.437 ms

# Below is generated by plot.py at 2017-08-17 02:01:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.13 Mbit/s

95th percentile per-packet one-way delay: 49.114 ms

Loss rate: 0.04%

-- Flow 1:

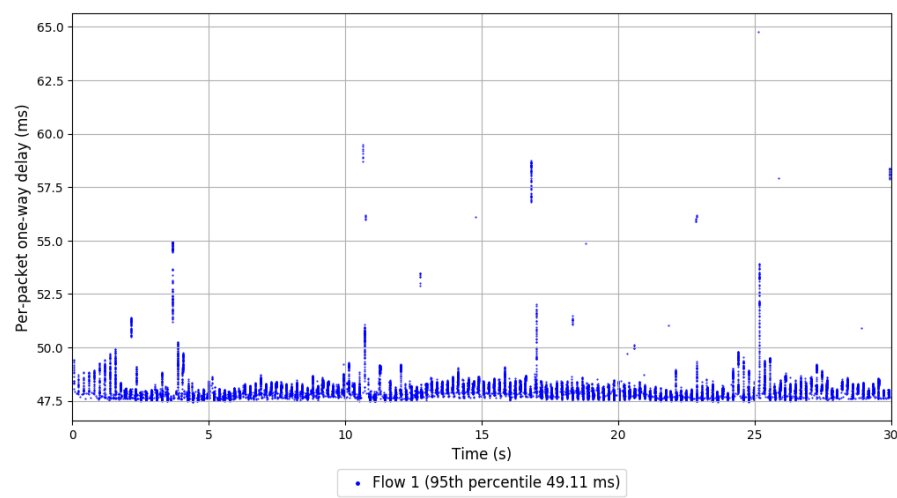
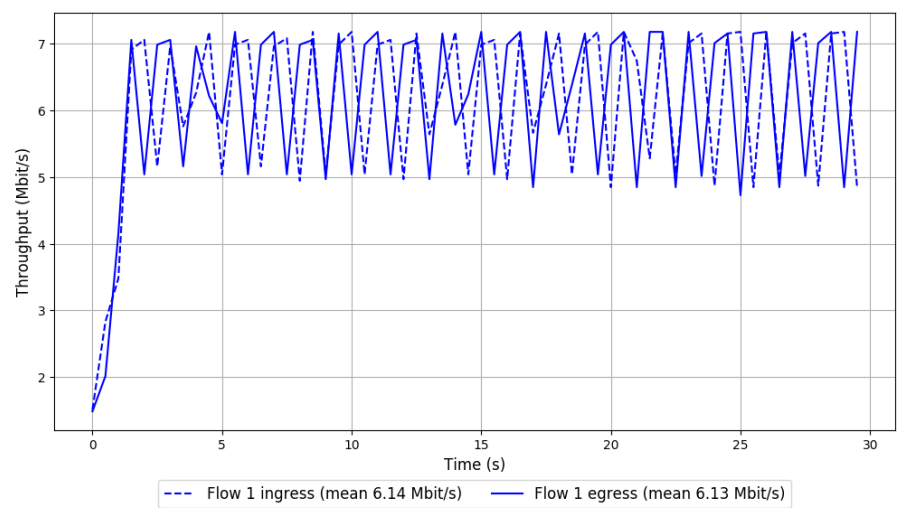
Average throughput: 6.13 Mbit/s

95th percentile per-packet one-way delay: 49.114 ms

Loss rate: 0.04%



Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: 2017-08-17 00:13:29

End at: 2017-08-17 00:13:59

Local clock offset: 1.964 ms

Remote clock offset: -1.59 ms

# Below is generated by plot.py at 2017-08-17 02:01:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 49.098 ms

Loss rate: 0.02%

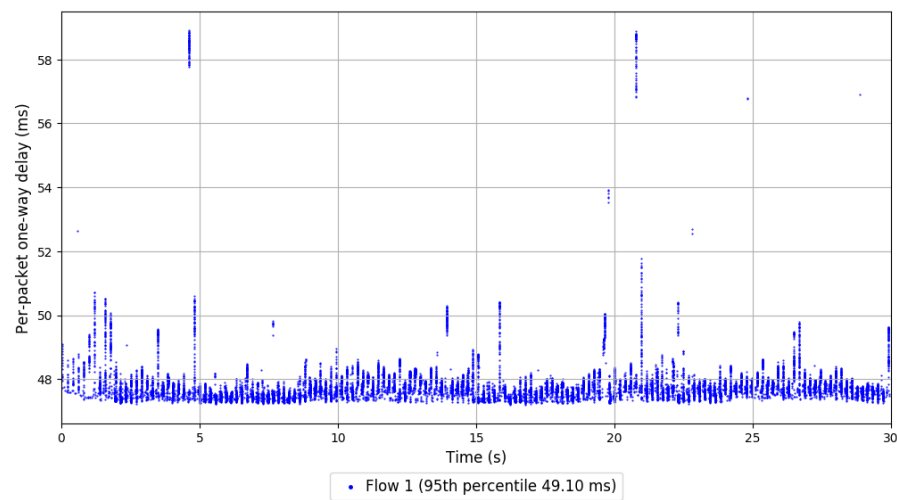
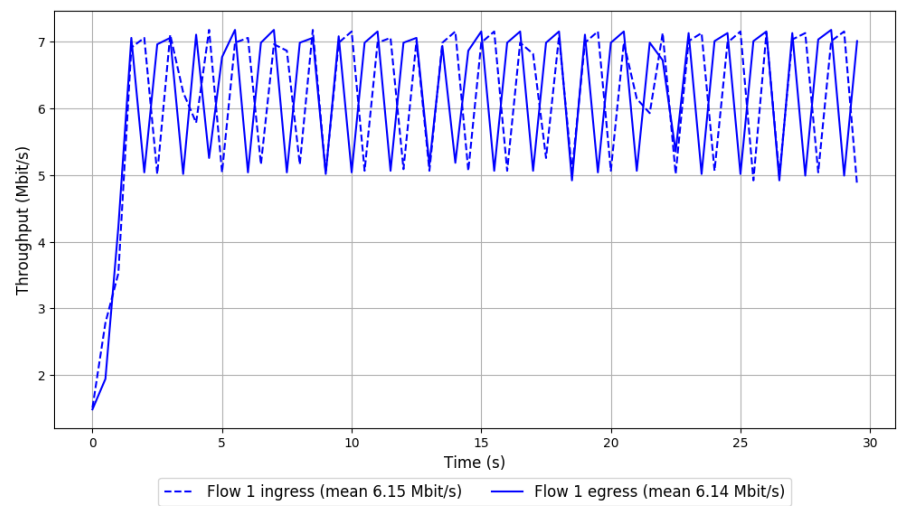
-- Flow 1:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 49.098 ms

Loss rate: 0.02%

Run 6: Report of KohoCC — Data Link

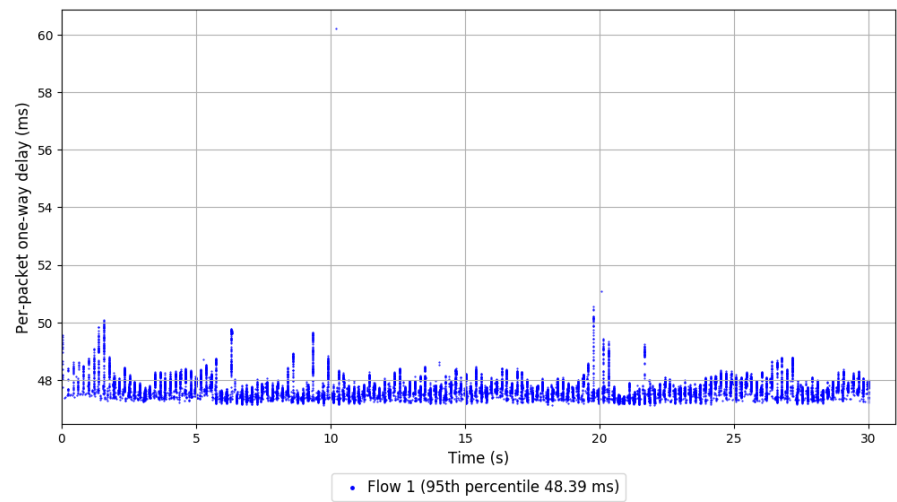
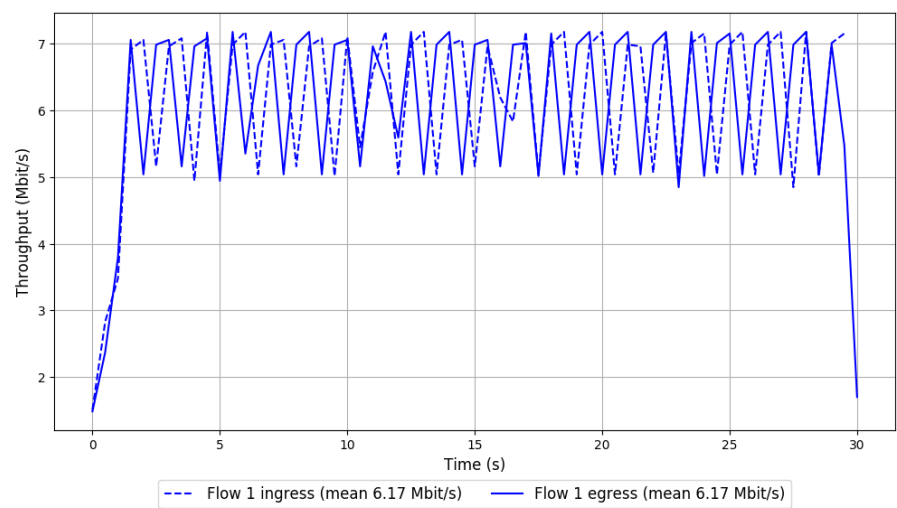


Run 7: Statistics of KohoCC

Start at: 2017-08-17 00:34:47  
End at: 2017-08-17 00:35:17  
Local clock offset: 1.993 ms  
Remote clock offset: -1.722 ms

# Below is generated by plot.py at 2017-08-17 02:01:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.17 Mbit/s  
95th percentile per-packet one-way delay: 48.390 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 6.17 Mbit/s  
95th percentile per-packet one-way delay: 48.390 ms  
Loss rate: 0.00%

Run 7: Report of KohoCC — Data Link

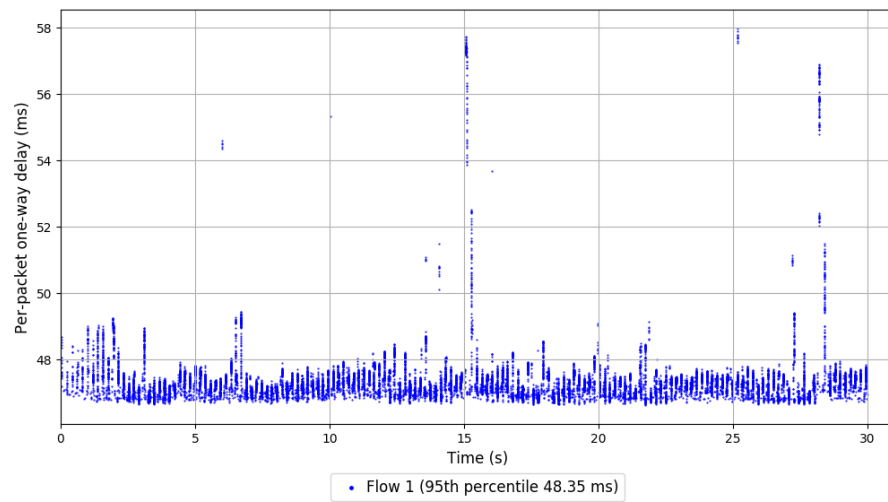
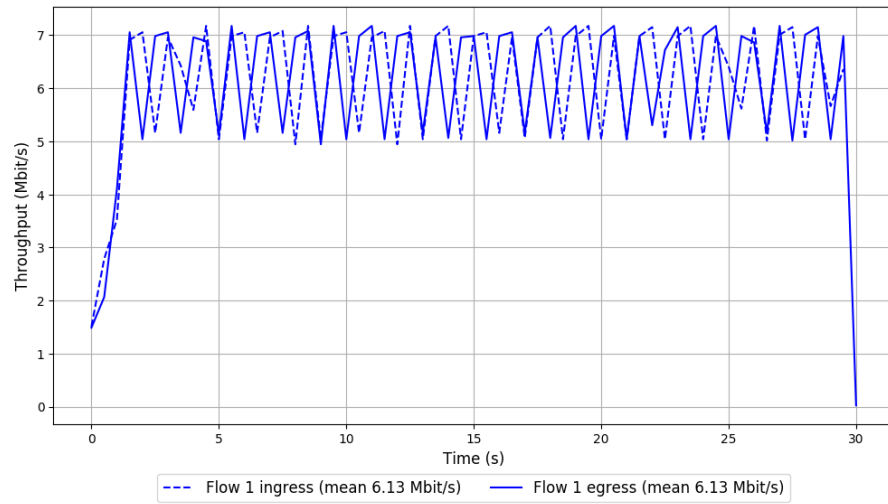


Run 8: Statistics of KohoCC

Start at: 2017-08-17 00:55:40  
End at: 2017-08-17 00:56:10  
Local clock offset: 2.765 ms  
Remote clock offset: -1.732 ms

# Below is generated by plot.py at 2017-08-17 02:01:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.13 Mbit/s  
95th percentile per-packet one-way delay: 48.347 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 6.13 Mbit/s  
95th percentile per-packet one-way delay: 48.347 ms  
Loss rate: 0.05%

# Run 8: Report of KohoCC — Data Link



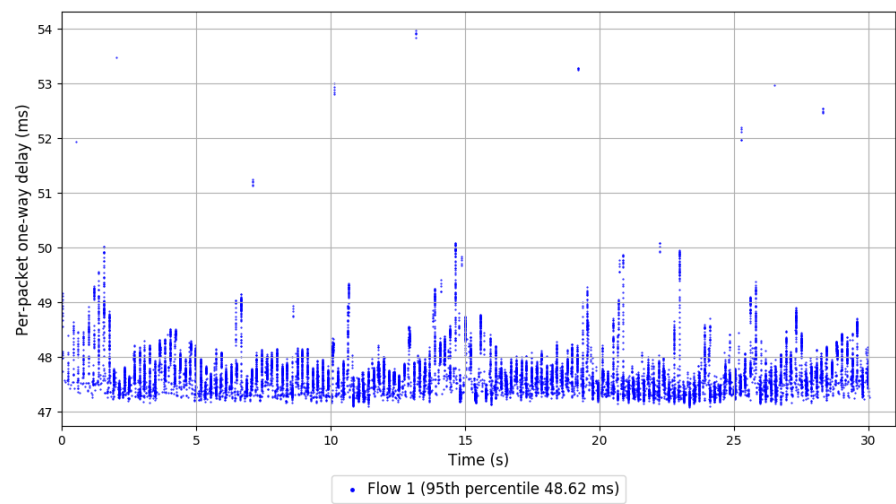
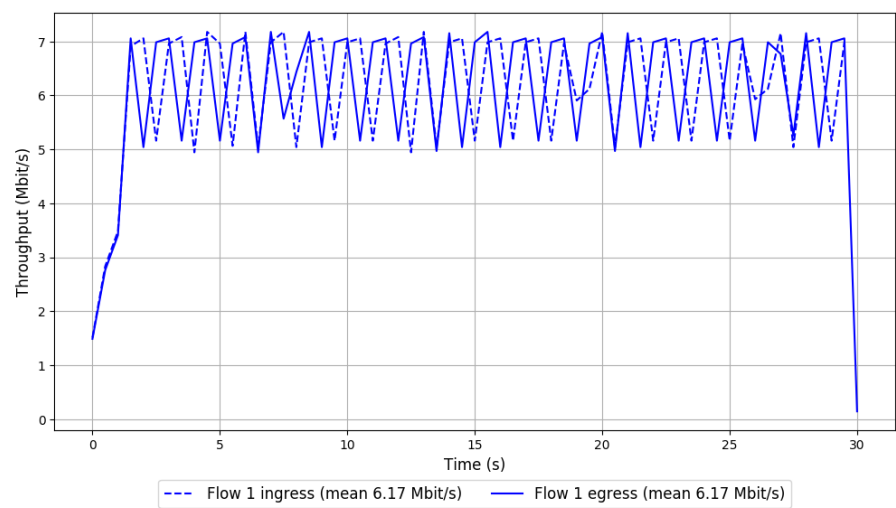
Run 9: Statistics of KohoCC

Start at: 2017-08-17 01:16:36  
End at: 2017-08-17 01:17:06  
Local clock offset: 1.796 ms  
Remote clock offset: -1.632 ms

# Below is generated by plot.py at 2017-08-17 02:01:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.17 Mbit/s  
95th percentile per-packet one-way delay: 48.624 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 6.17 Mbit/s  
95th percentile per-packet one-way delay: 48.624 ms  
Loss rate: 0.01%



Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: 2017-08-17 01:37:34

End at: 2017-08-17 01:38:04

Local clock offset: 1.599 ms

Remote clock offset: -1.382 ms

# Below is generated by plot.py at 2017-08-17 02:01:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 49.044 ms

Loss rate: 0.00%

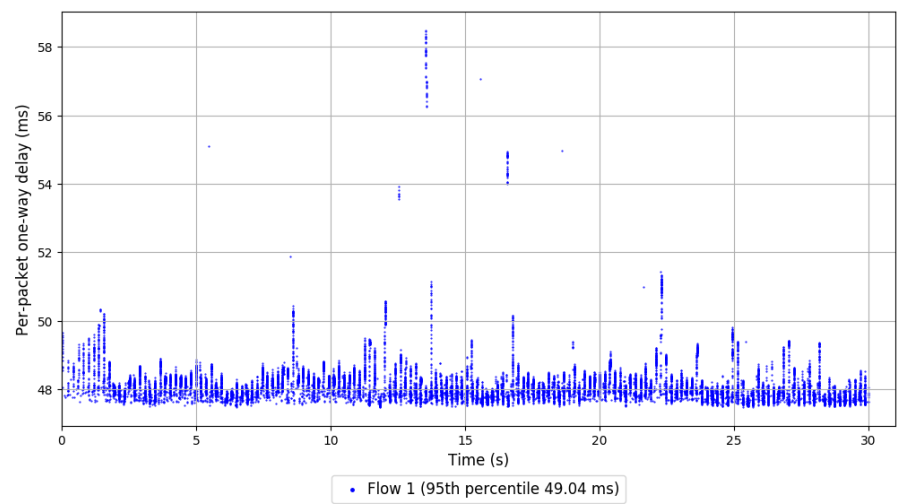
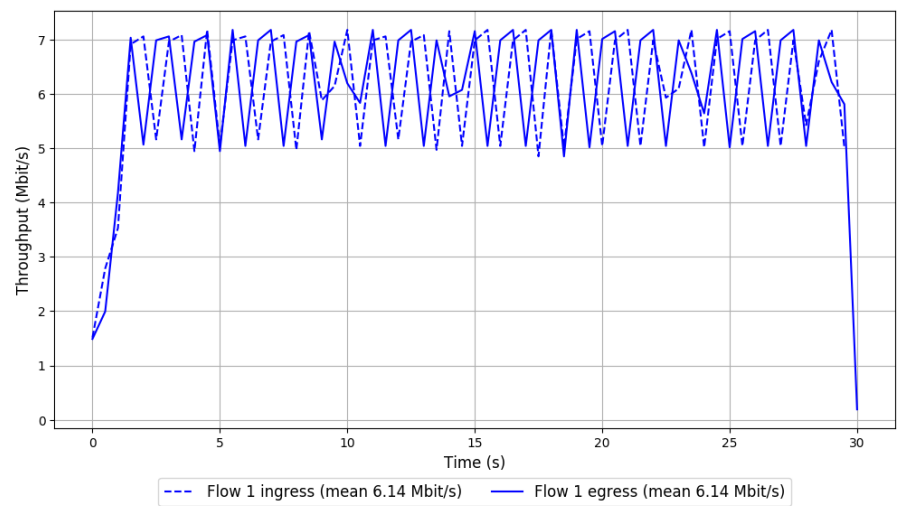
-- Flow 1:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 49.044 ms

Loss rate: 0.00%

Run 10: Report of KohoCC — Data Link

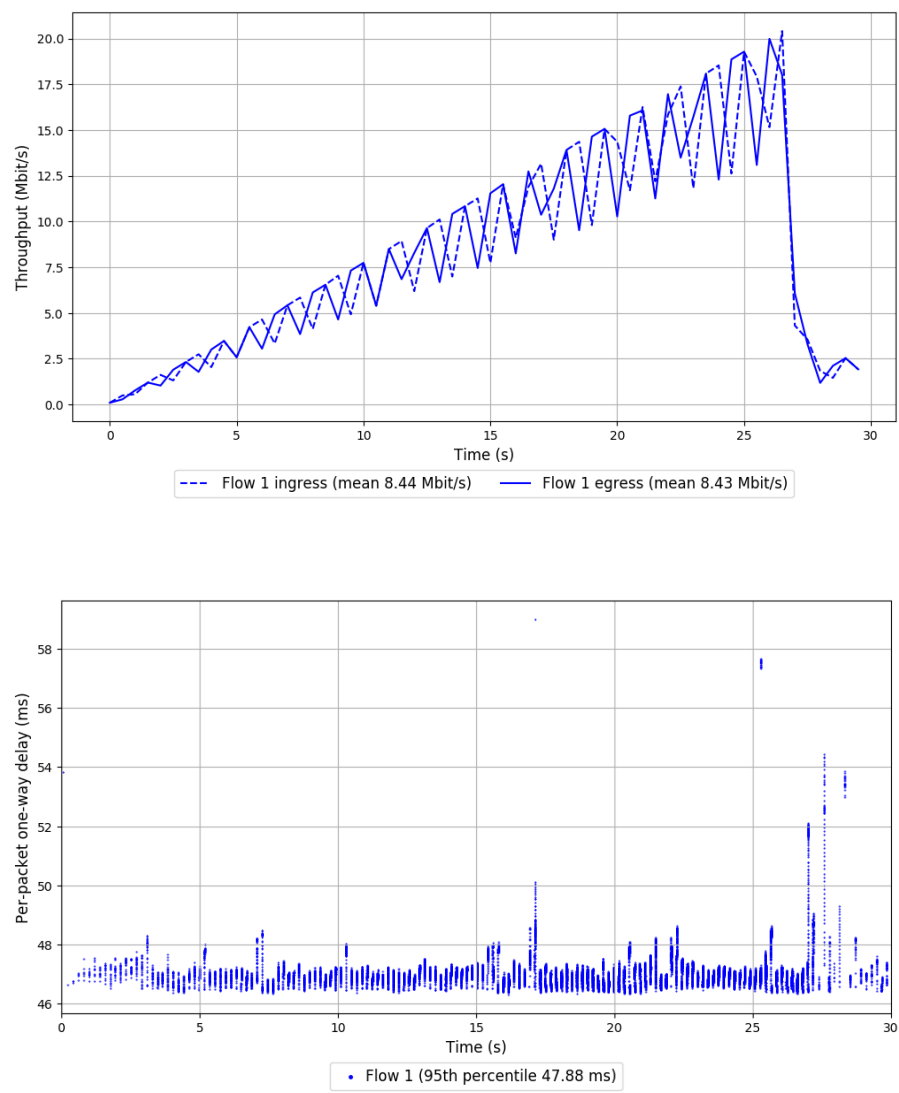


```
Run 1: Statistics of LEDBAT

Start at: 2017-08-16 22:22:33
End at: 2017-08-16 22:23:03
Local clock offset: 1.198 ms
Remote clock offset: -0.709 ms

# Below is generated by plot.py at 2017-08-17 02:01:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.43 Mbit/s
95th percentile per-packet one-way delay: 47.885 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 8.43 Mbit/s
95th percentile per-packet one-way delay: 47.885 ms
Loss rate: 0.18%
```

Run 1: Report of LEDBAT — Data Link

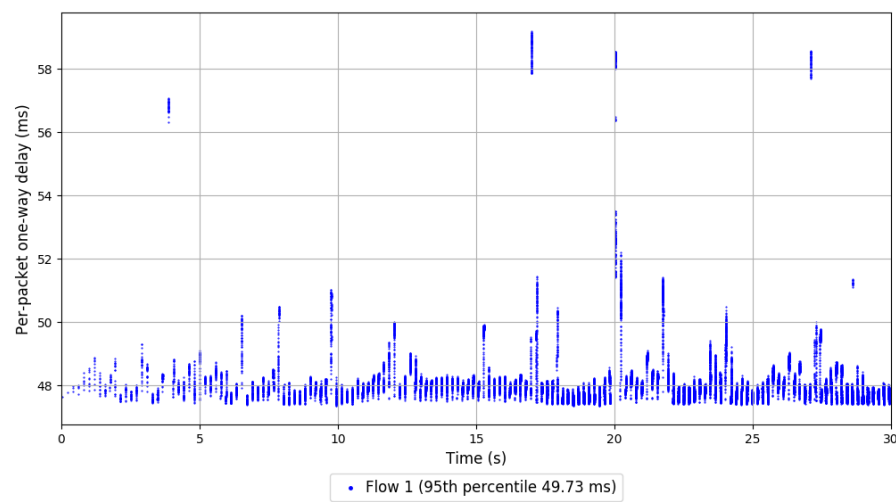
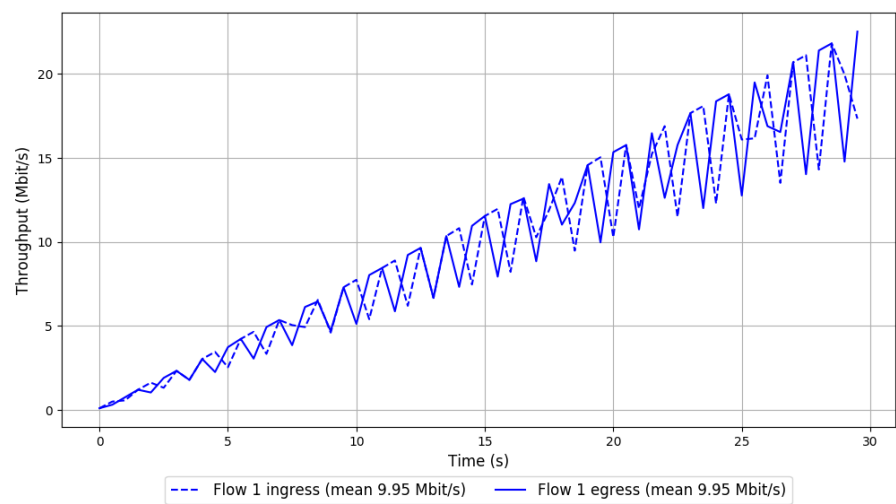


Run 2: Statistics of LEDBAT

Start at: 2017-08-16 22:44:06  
End at: 2017-08-16 22:44:36  
Local clock offset: 0.637 ms  
Remote clock offset: -1.116 ms

# Below is generated by plot.py at 2017-08-17 02:01:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.95 Mbit/s  
95th percentile per-packet one-way delay: 49.728 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 9.95 Mbit/s  
95th percentile per-packet one-way delay: 49.728 ms  
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



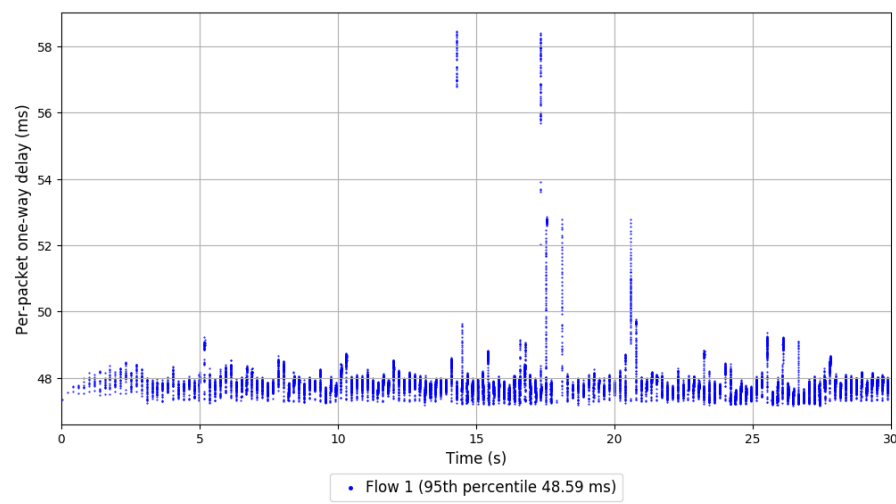
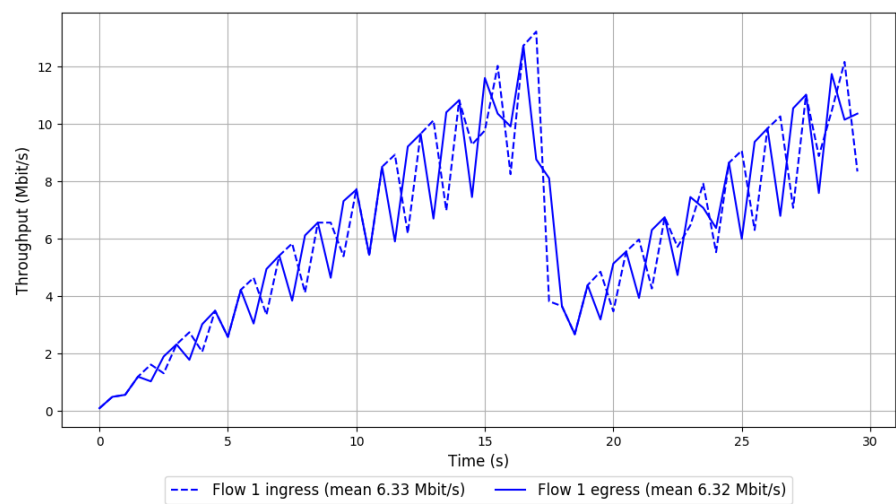
Run 3: Statistics of LEDBAT

Start at: 2017-08-16 23:05:16  
End at: 2017-08-16 23:05:46  
Local clock offset: 0.851 ms  
Remote clock offset: -1.287 ms

# Below is generated by plot.py at 2017-08-17 02:01:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.32 Mbit/s  
95th percentile per-packet one-way delay: 48.594 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 6.32 Mbit/s  
95th percentile per-packet one-way delay: 48.594 ms  
Loss rate: 0.04%



Run 3: Report of LEDBAT — Data Link

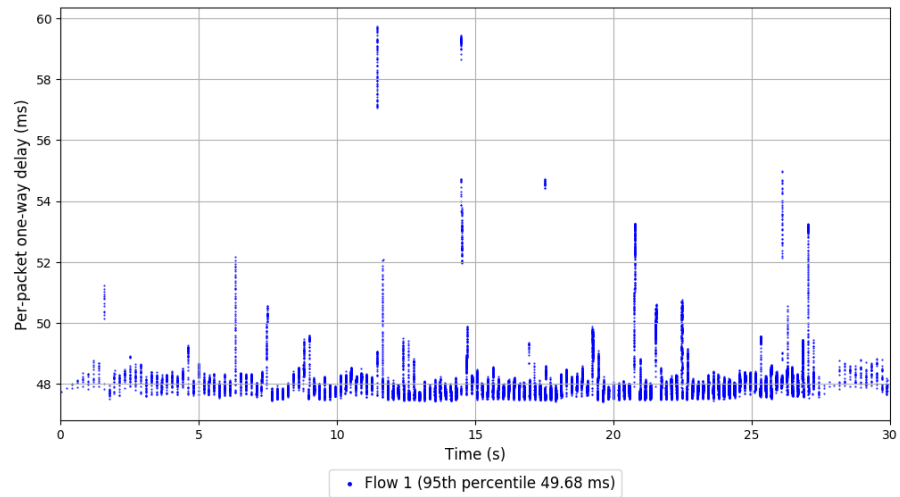
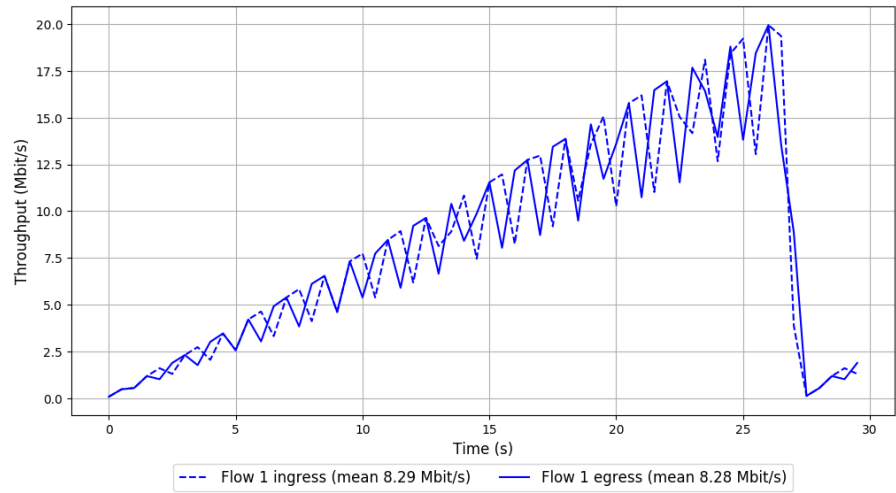


Run 4: Statistics of LEDBAT

Start at: 2017-08-16 23:26:28  
End at: 2017-08-16 23:26:58  
Local clock offset: 1.079 ms  
Remote clock offset: -1.296 ms

# Below is generated by plot.py at 2017-08-17 02:01:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.28 Mbit/s  
95th percentile per-packet one-way delay: 49.680 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 8.28 Mbit/s  
95th percentile per-packet one-way delay: 49.680 ms  
Loss rate: 0.17%

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

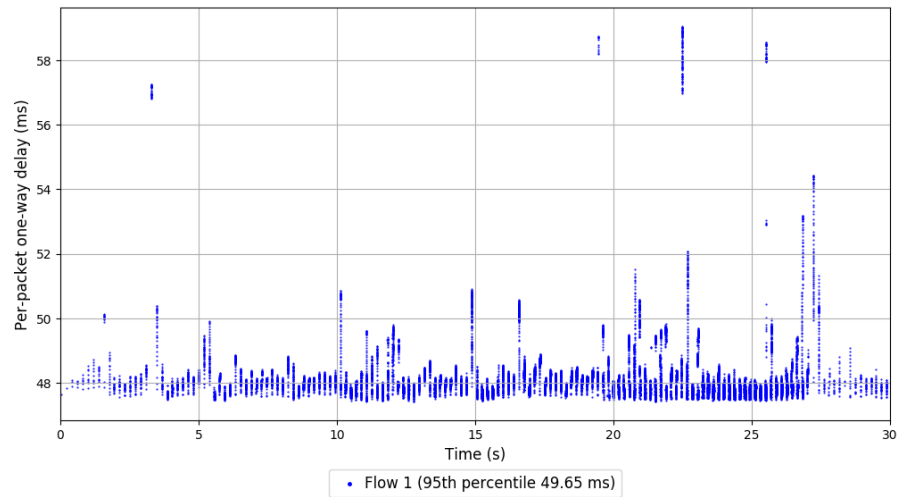
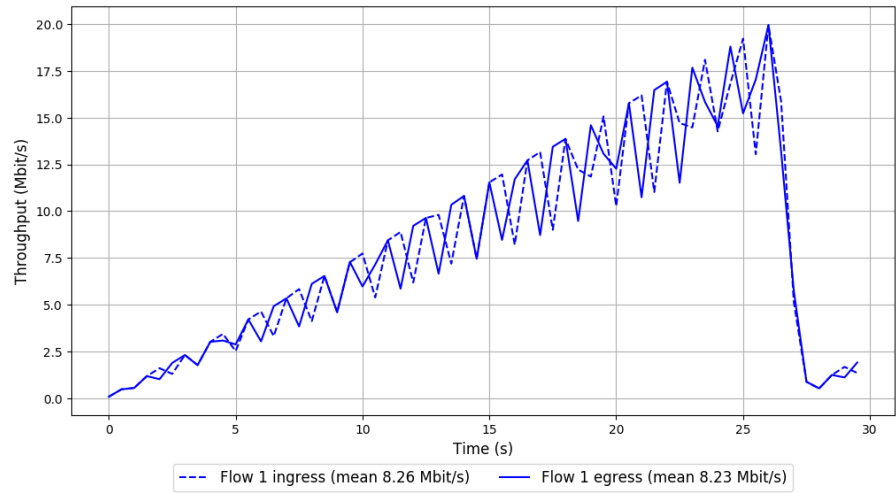


Run 5: Statistics of LEDBAT

Start at: 2017-08-16 23:48:16  
End at: 2017-08-16 23:48:46  
Local clock offset: 1.332 ms  
Remote clock offset: -1.447 ms

# Below is generated by plot.py at 2017-08-17 02:01:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.23 Mbit/s  
95th percentile per-packet one-way delay: 49.649 ms  
Loss rate: 0.42%  
-- Flow 1:  
Average throughput: 8.23 Mbit/s  
95th percentile per-packet one-way delay: 49.649 ms  
Loss rate: 0.42%

## Run 5: Report of LEDBAT — Data Link

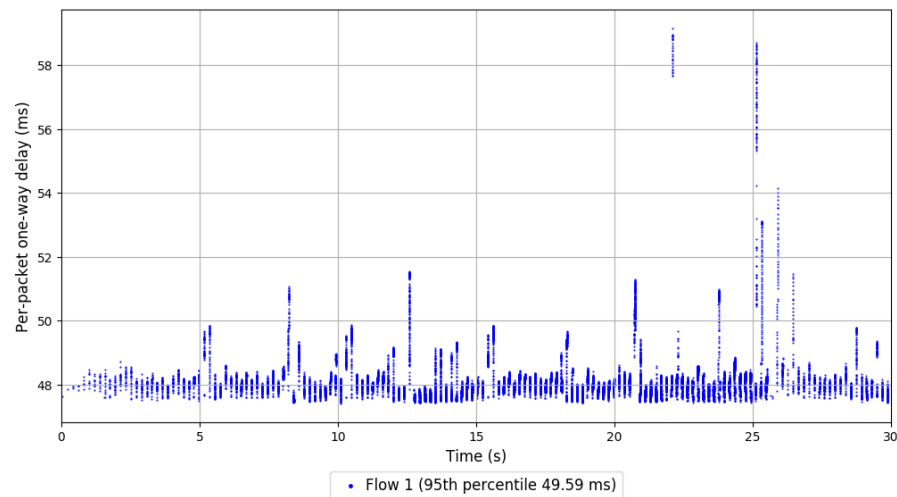
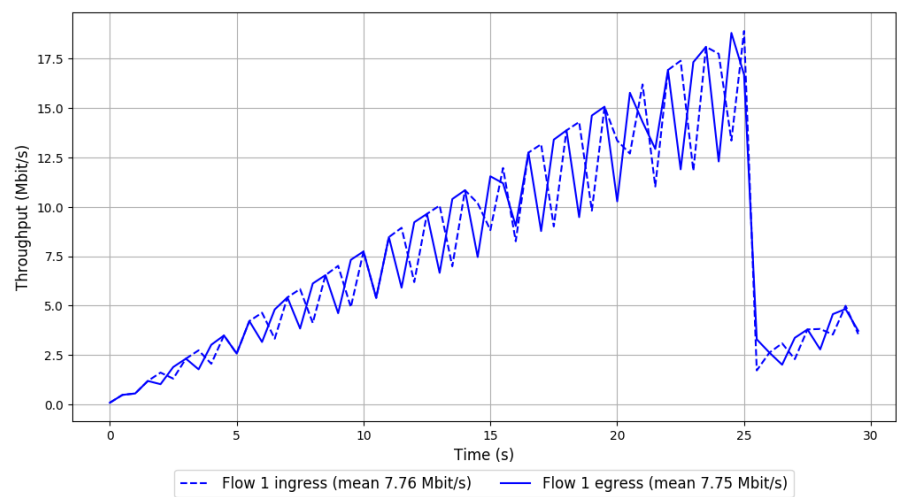


Run 6: Statistics of LEDBAT

Start at: 2017-08-17 00:09:06  
End at: 2017-08-17 00:09:36  
Local clock offset: 1.668 ms  
Remote clock offset: -1.593 ms

# Below is generated by plot.py at 2017-08-17 02:01:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.75 Mbit/s  
95th percentile per-packet one-way delay: 49.585 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 7.75 Mbit/s  
95th percentile per-packet one-way delay: 49.585 ms  
Loss rate: 0.14%

Run 6: Report of LEDBAT — Data Link



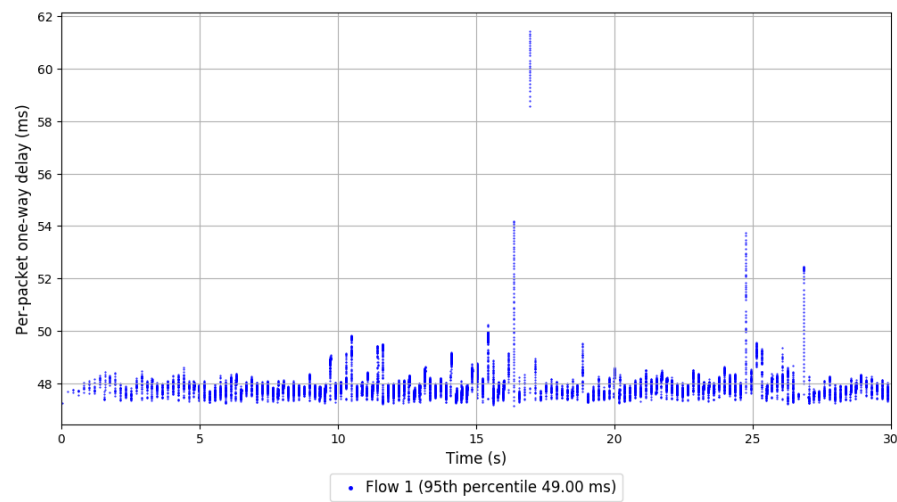
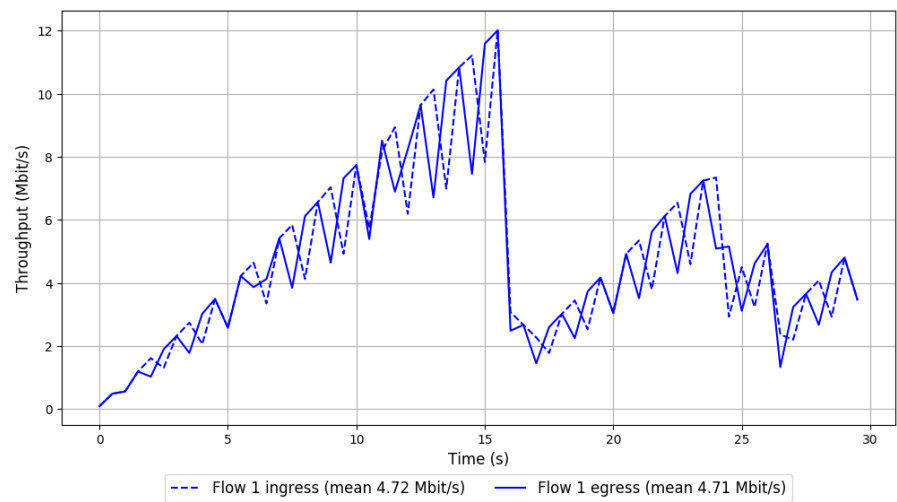
Run 7: Statistics of LEDBAT

Start at: 2017-08-17 00:30:36  
End at: 2017-08-17 00:31:06  
Local clock offset: 2.16 ms  
Remote clock offset: -1.687 ms

# Below is generated by plot.py at 2017-08-17 02:01:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.71 Mbit/s  
95th percentile per-packet one-way delay: 48.996 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 4.71 Mbit/s  
95th percentile per-packet one-way delay: 48.996 ms  
Loss rate: 0.23%



Run 7: Report of LEDBAT — Data Link

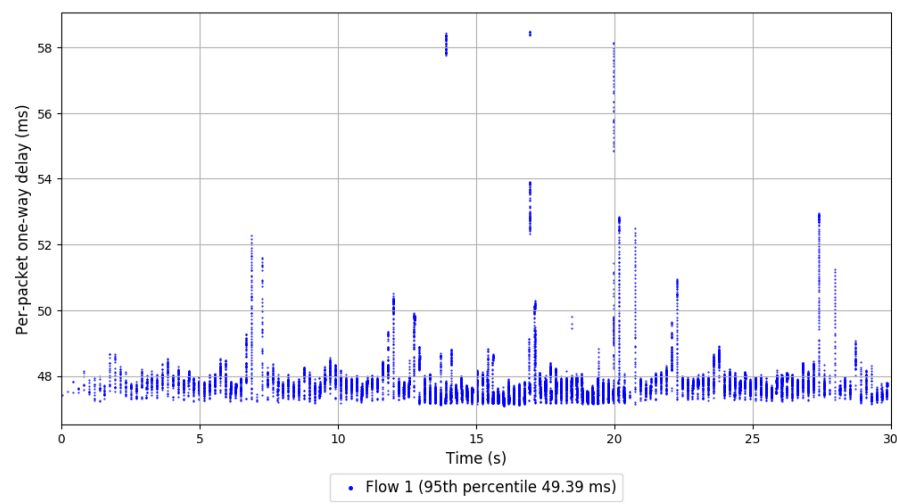
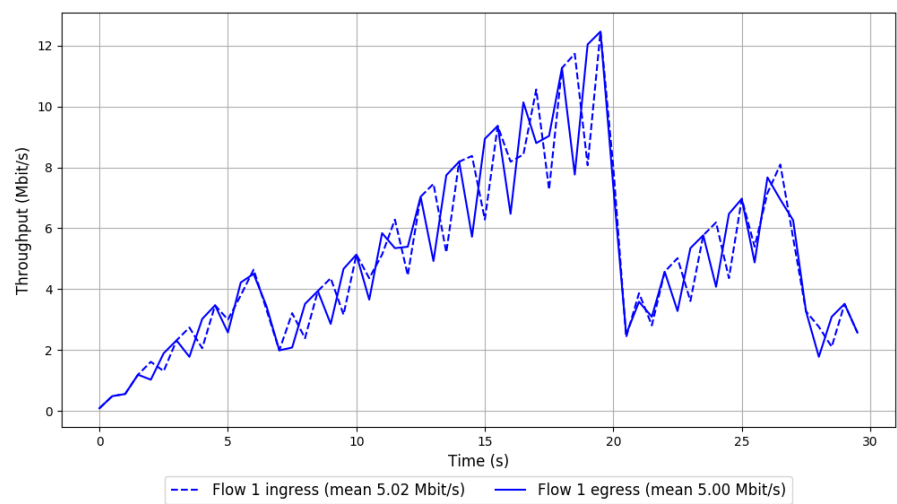


Run 8: Statistics of LEDBAT

Start at: 2017-08-17 00:51:23  
End at: 2017-08-17 00:51:53  
Local clock offset: 2.099 ms  
Remote clock offset: -1.757 ms

# Below is generated by plot.py at 2017-08-17 02:01:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 5.00 Mbit/s  
95th percentile per-packet one-way delay: 49.390 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 5.00 Mbit/s  
95th percentile per-packet one-way delay: 49.390 ms  
Loss rate: 0.38%

Run 8: Report of LEDBAT — Data Link

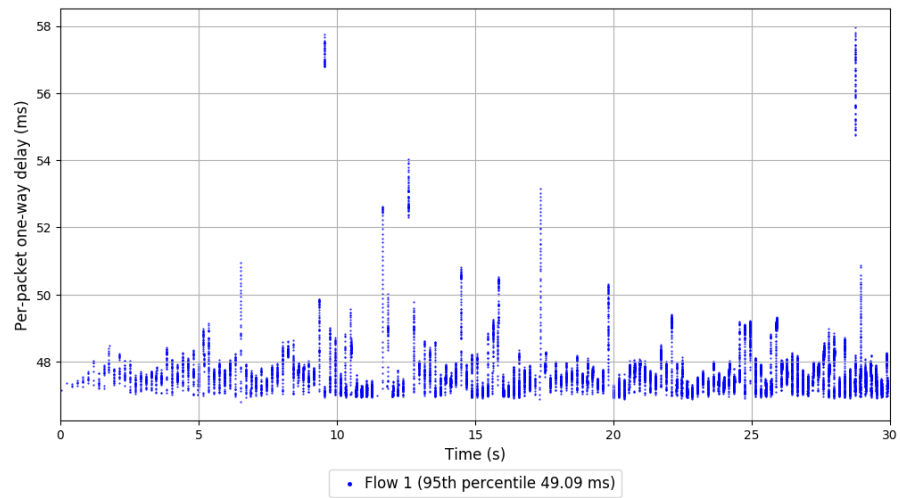
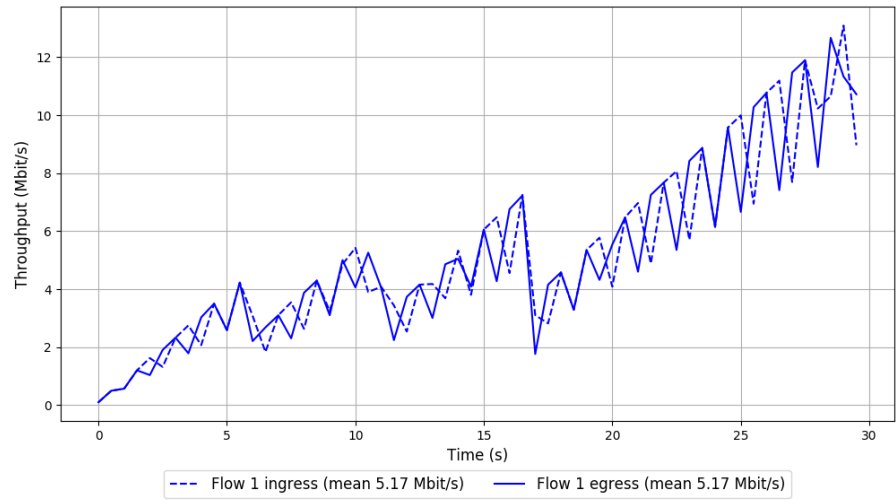


Run 9: Statistics of LEDBAT

Start at: 2017-08-17 01:12:19  
End at: 2017-08-17 01:12:49  
Local clock offset: 2.093 ms  
Remote clock offset: -1.622 ms

# Below is generated by plot.py at 2017-08-17 02:01:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 5.17 Mbit/s  
95th percentile per-packet one-way delay: 49.094 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 5.17 Mbit/s  
95th percentile per-packet one-way delay: 49.094 ms  
Loss rate: 0.02%

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

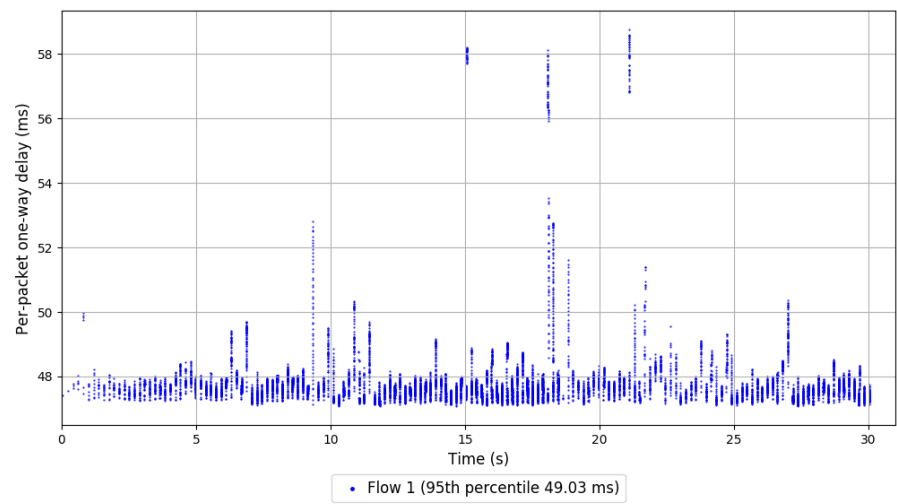
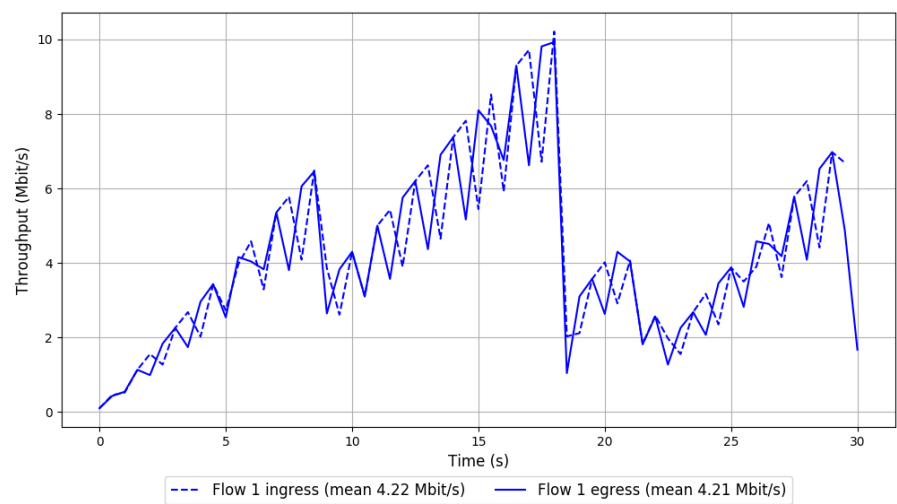


Run 10: Statistics of LEDBAT

Start at: 2017-08-17 01:33:19  
End at: 2017-08-17 01:33:49  
Local clock offset: 1.693 ms  
Remote clock offset: -1.462 ms

# Below is generated by plot.py at 2017-08-17 02:02:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.21 Mbit/s  
95th percentile per-packet one-way delay: 49.035 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 4.21 Mbit/s  
95th percentile per-packet one-way delay: 49.035 ms  
Loss rate: 0.19%

Run 10: Report of LEDBAT — Data Link



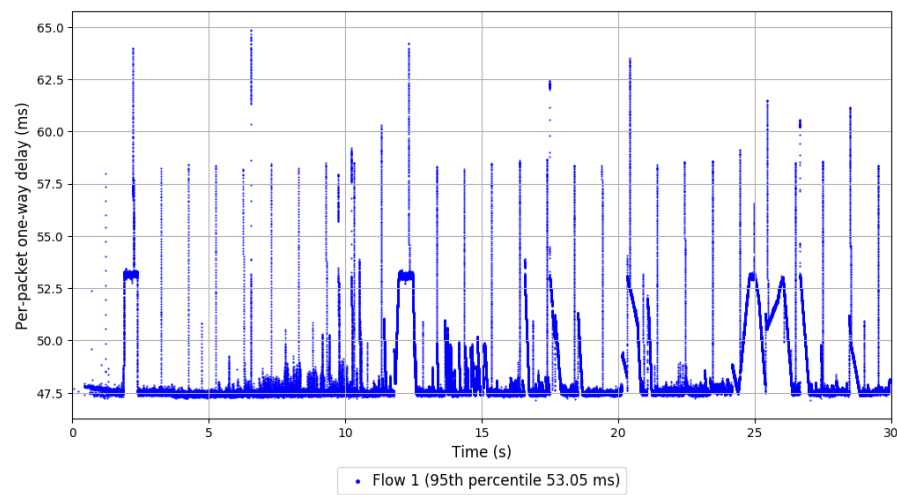
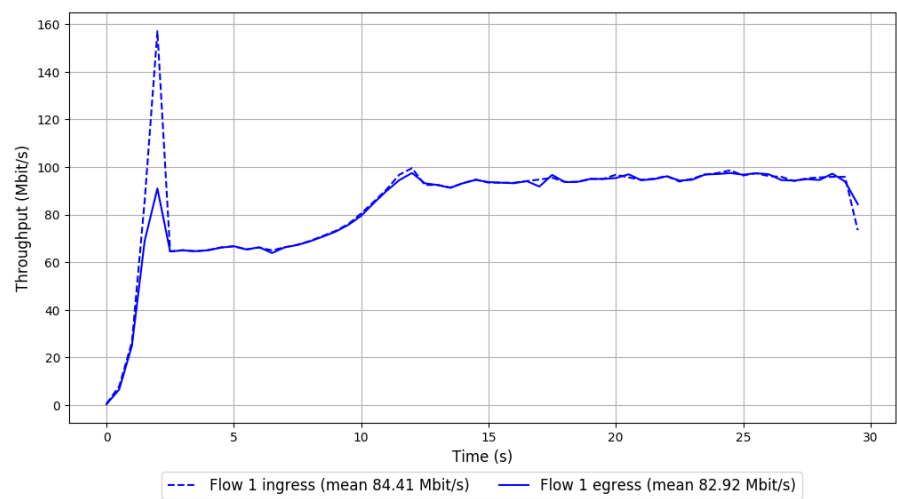
```
Run 1: Statistics of PCC

Start at: 2017-08-16 22:23:53
End at: 2017-08-16 22:24:23
Local clock offset: 0.447 ms
Remote clock offset: -0.694 ms

# Below is generated by plot.py at 2017-08-17 02:02:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.92 Mbit/s
95th percentile per-packet one-way delay: 53.054 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 82.92 Mbit/s
95th percentile per-packet one-way delay: 53.054 ms
Loss rate: 1.78%
```



Run 1: Report of PCC — Data Link

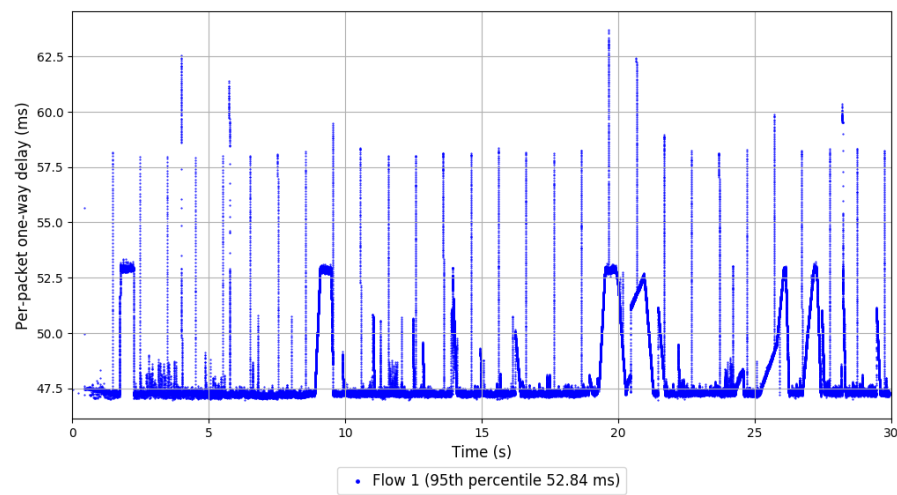
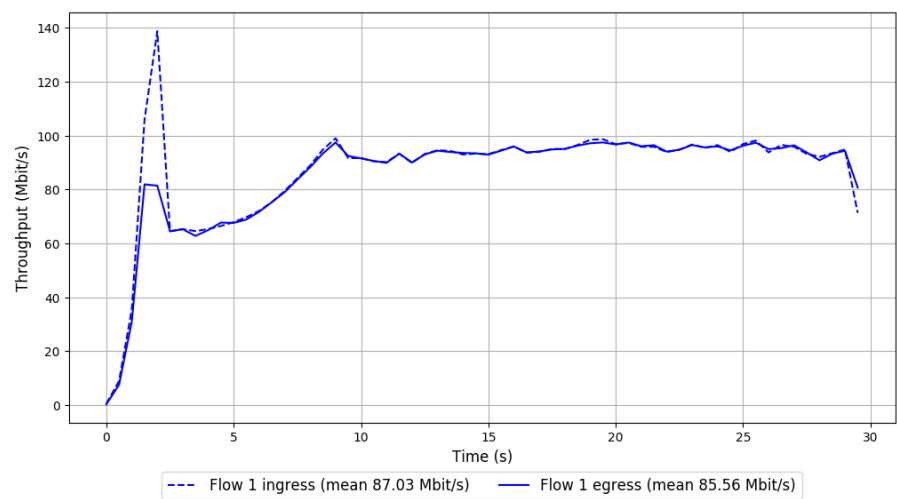


Run 2: Statistics of PCC

Start at: 2017-08-16 22:45:23  
End at: 2017-08-16 22:45:53  
Local clock offset: 0.929 ms  
Remote clock offset: -1.081 ms

# Below is generated by plot.py at 2017-08-17 02:02:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.56 Mbit/s  
95th percentile per-packet one-way delay: 52.835 ms  
Loss rate: 1.70%  
-- Flow 1:  
Average throughput: 85.56 Mbit/s  
95th percentile per-packet one-way delay: 52.835 ms  
Loss rate: 1.70%

Run 2: Report of PCC — Data Link

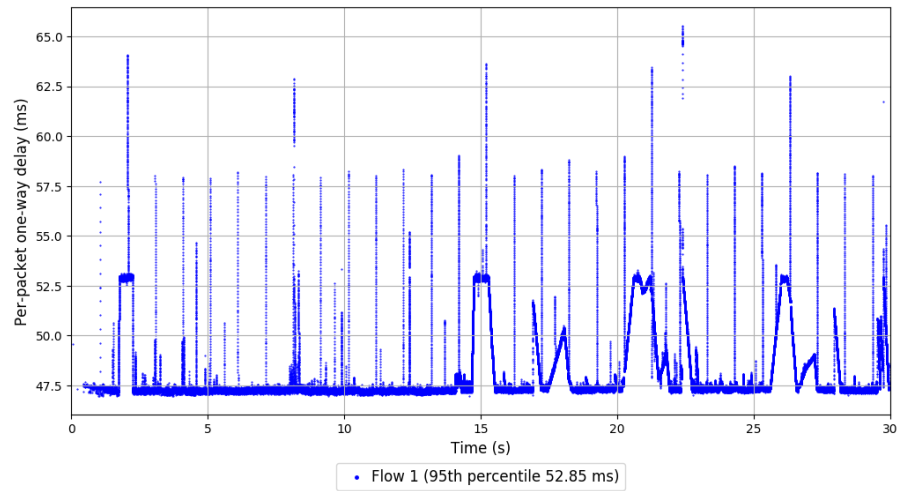
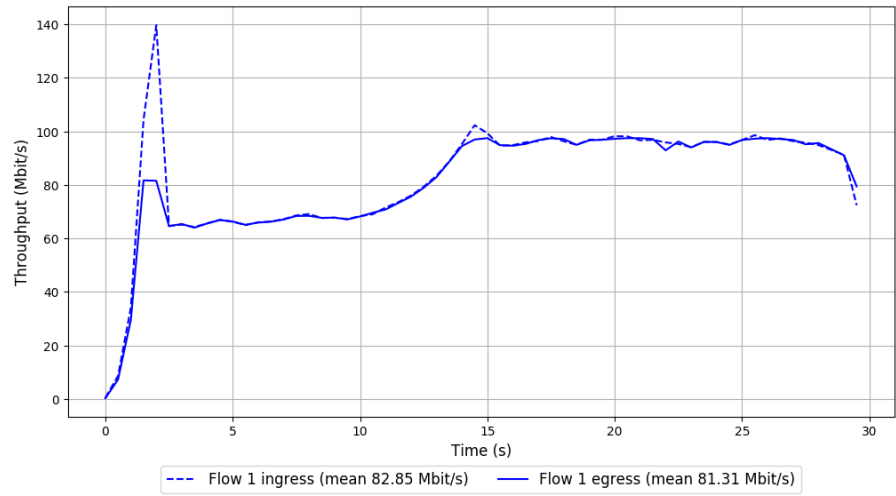


Run 3: Statistics of PCC

Start at: 2017-08-16 23:06:30  
End at: 2017-08-16 23:07:00  
Local clock offset: 0.825 ms  
Remote clock offset: -1.296 ms

# Below is generated by plot.py at 2017-08-17 02:02:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.31 Mbit/s  
95th percentile per-packet one-way delay: 52.850 ms  
Loss rate: 1.90%  
-- Flow 1:  
Average throughput: 81.31 Mbit/s  
95th percentile per-packet one-way delay: 52.850 ms  
Loss rate: 1.90%

### Run 3: Report of PCC — Data Link

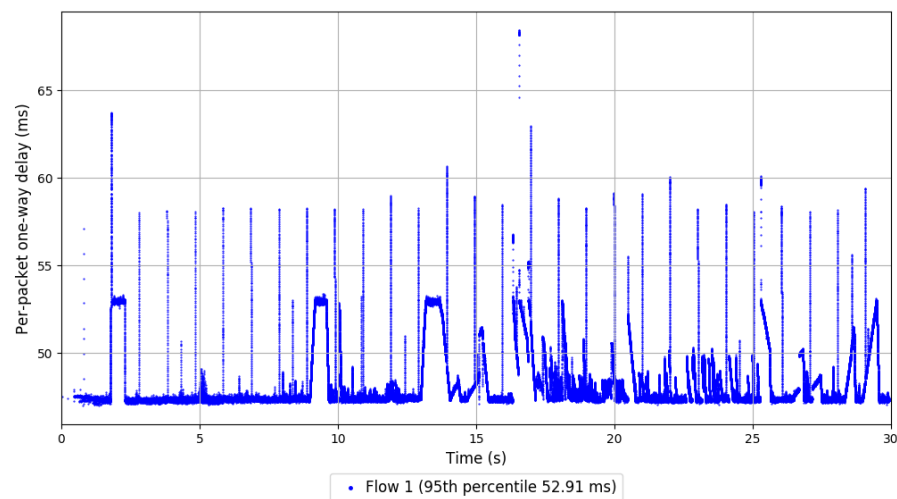
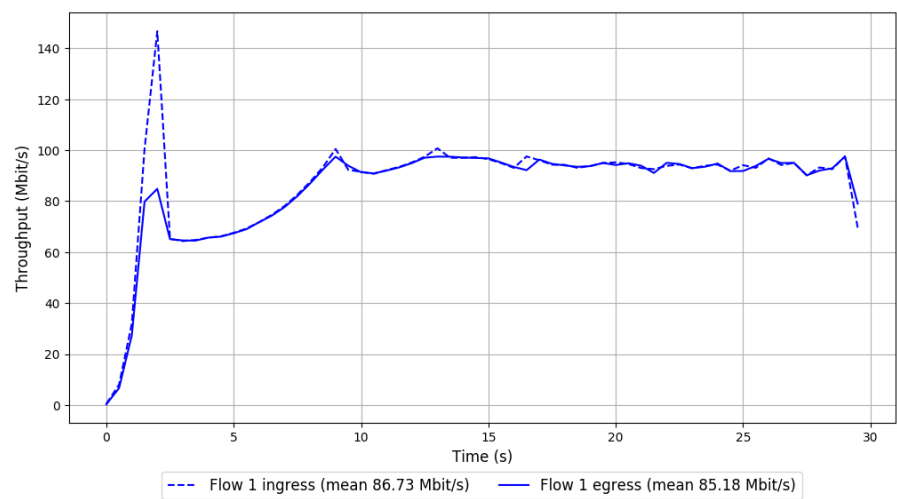


Run 4: Statistics of PCC

Start at: 2017-08-16 23:27:43  
End at: 2017-08-16 23:28:13  
Local clock offset: 1.106 ms  
Remote clock offset: -1.234 ms

# Below is generated by plot.py at 2017-08-17 02:02:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.18 Mbit/s  
95th percentile per-packet one-way delay: 52.909 ms  
Loss rate: 1.81%  
-- Flow 1:  
Average throughput: 85.18 Mbit/s  
95th percentile per-packet one-way delay: 52.909 ms  
Loss rate: 1.81%

Run 4: Report of PCC — Data Link



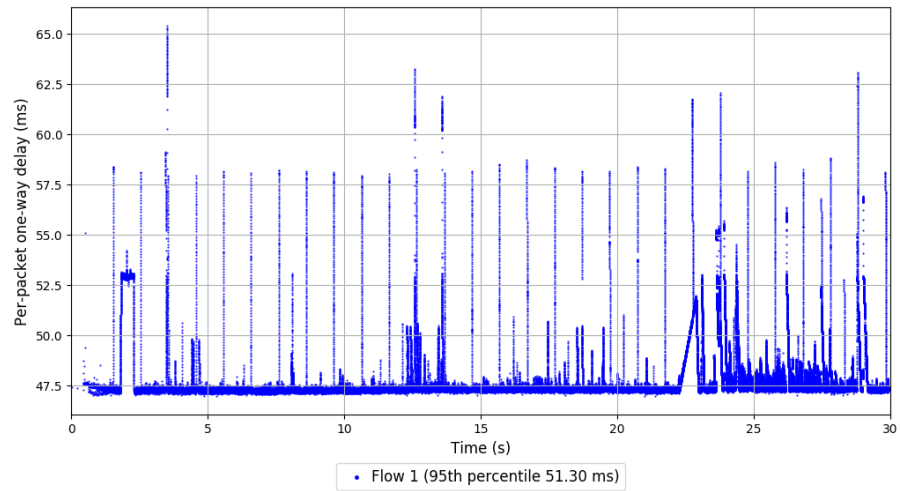
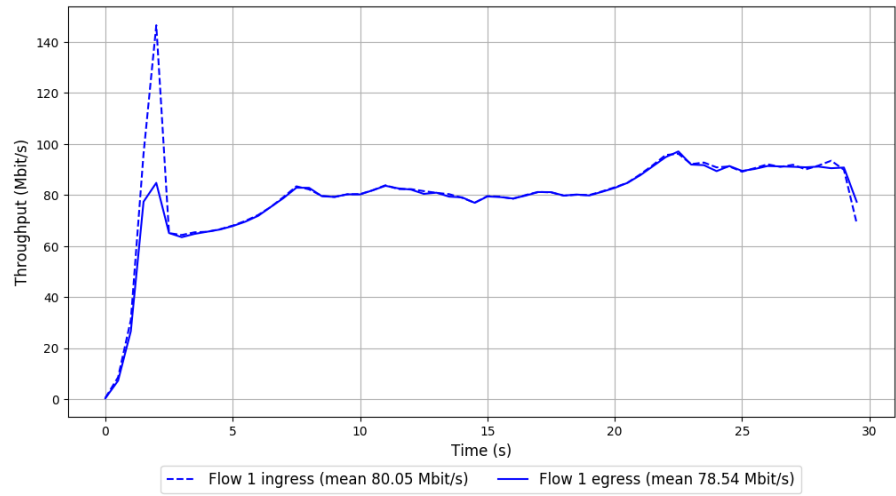
Run 5: Statistics of PCC

Start at: 2017-08-16 23:49:36  
End at: 2017-08-16 23:50:06  
Local clock offset: 1.615 ms  
Remote clock offset: -1.449 ms

# Below is generated by plot.py at 2017-08-17 02:02:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.54 Mbit/s  
95th percentile per-packet one-way delay: 51.301 ms  
Loss rate: 1.88%  
-- Flow 1:  
Average throughput: 78.54 Mbit/s  
95th percentile per-packet one-way delay: 51.301 ms  
Loss rate: 1.88%



### Run 5: Report of PCC — Data Link

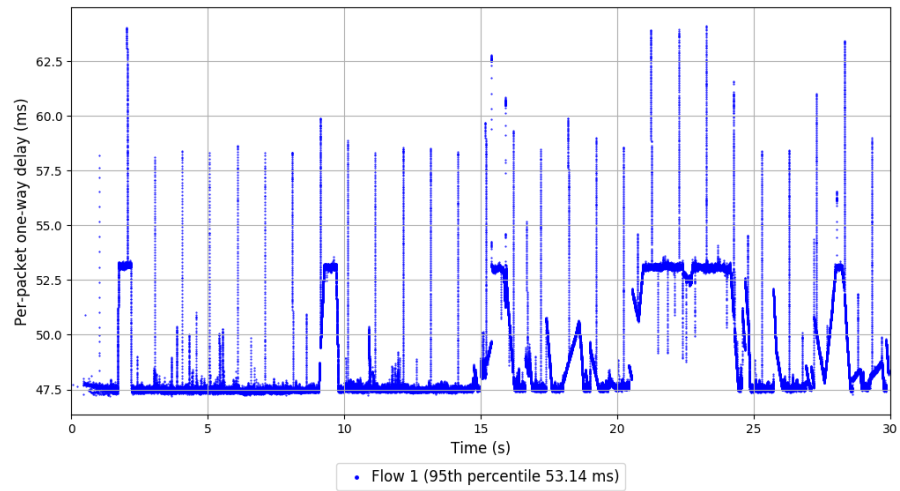
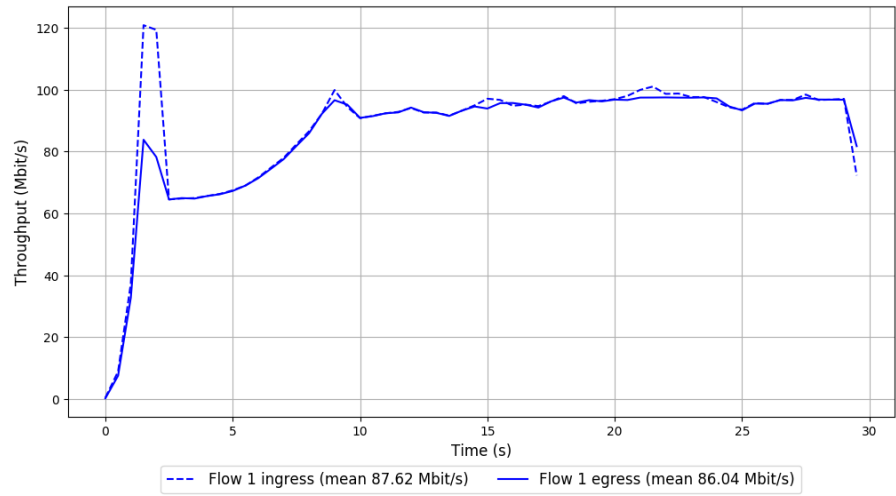


Run 6: Statistics of PCC

Start at: 2017-08-17 00:10:20  
End at: 2017-08-17 00:10:50  
Local clock offset: 1.711 ms  
Remote clock offset: -1.568 ms

# Below is generated by plot.py at 2017-08-17 02:02:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.04 Mbit/s  
95th percentile per-packet one-way delay: 53.142 ms  
Loss rate: 1.81%  
-- Flow 1:  
Average throughput: 86.04 Mbit/s  
95th percentile per-packet one-way delay: 53.142 ms  
Loss rate: 1.81%

## Run 6: Report of PCC — Data Link

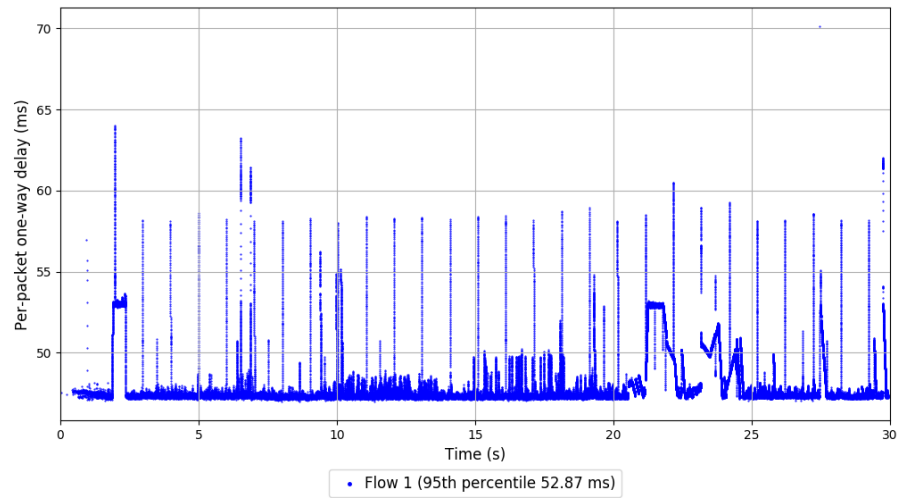
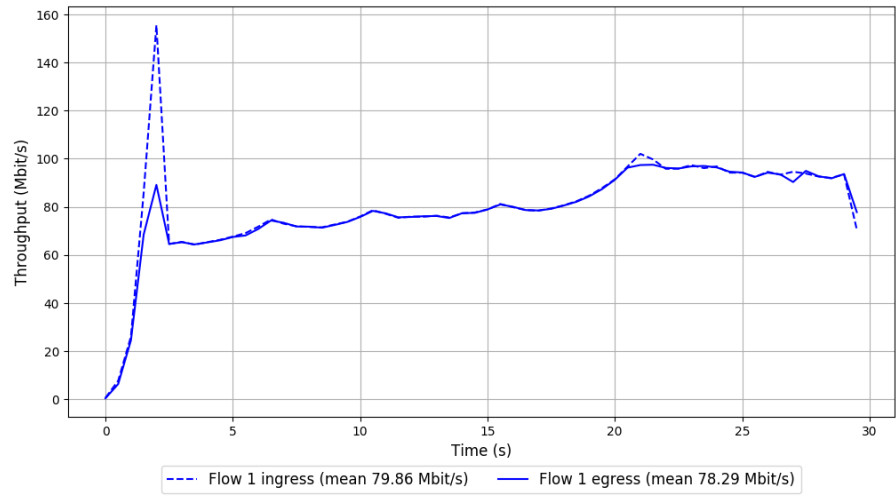


Run 7: Statistics of PCC

Start at: 2017-08-17 00:31:50  
End at: 2017-08-17 00:32:20  
Local clock offset: 1.873 ms  
Remote clock offset: -1.689 ms

# Below is generated by plot.py at 2017-08-17 02:02:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.29 Mbit/s  
95th percentile per-packet one-way delay: 52.873 ms  
Loss rate: 1.97%  
-- Flow 1:  
Average throughput: 78.29 Mbit/s  
95th percentile per-packet one-way delay: 52.873 ms  
Loss rate: 1.97%

## Run 7: Report of PCC — Data Link

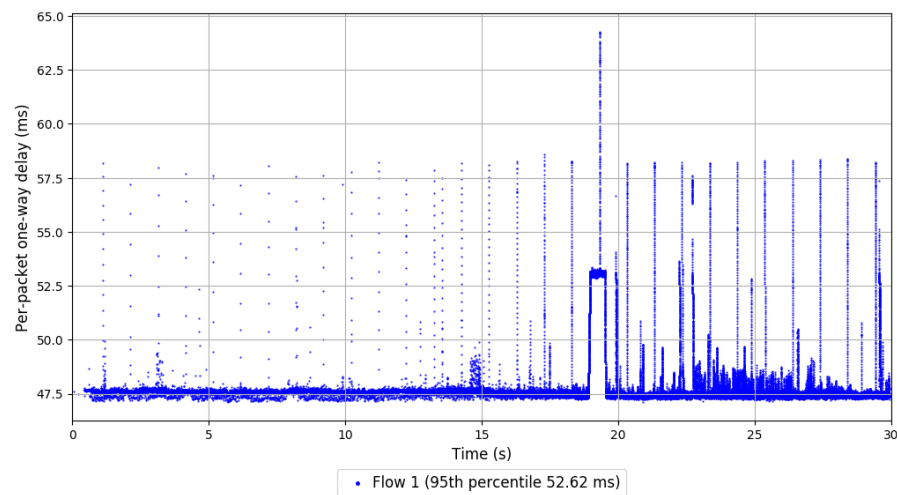
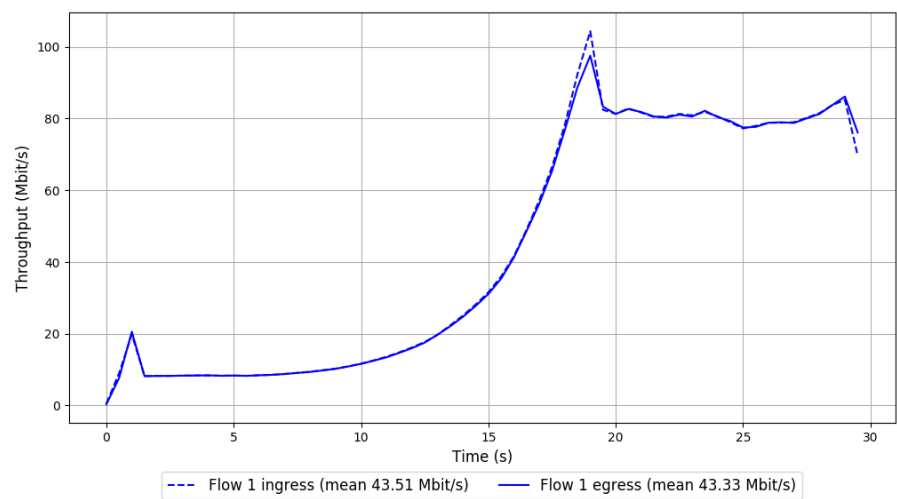


Run 8: Statistics of PCC

Start at: 2017-08-17 00:52:37  
End at: 2017-08-17 00:53:07  
Local clock offset: 2.095 ms  
Remote clock offset: -1.751 ms

# Below is generated by plot.py at 2017-08-17 02:02:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 43.33 Mbit/s  
95th percentile per-packet one-way delay: 52.622 ms  
Loss rate: 0.43%  
-- Flow 1:  
Average throughput: 43.33 Mbit/s  
95th percentile per-packet one-way delay: 52.622 ms  
Loss rate: 0.43%

Run 8: Report of PCC — Data Link



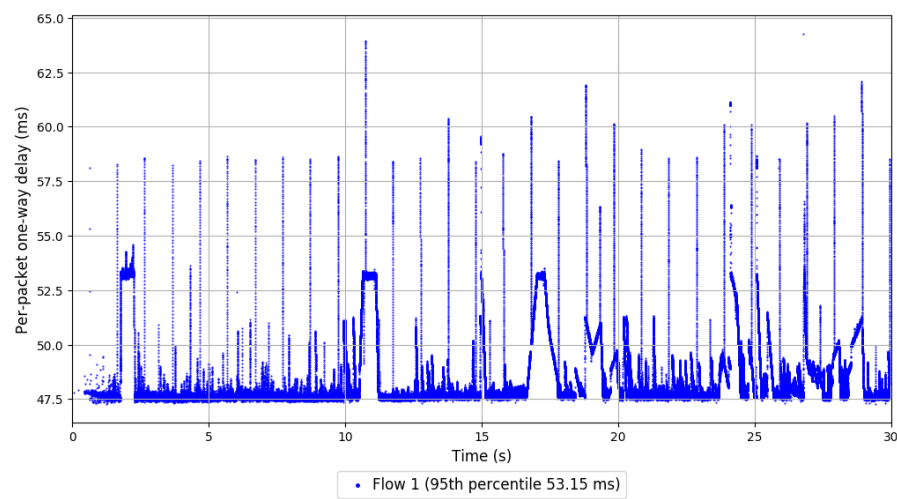
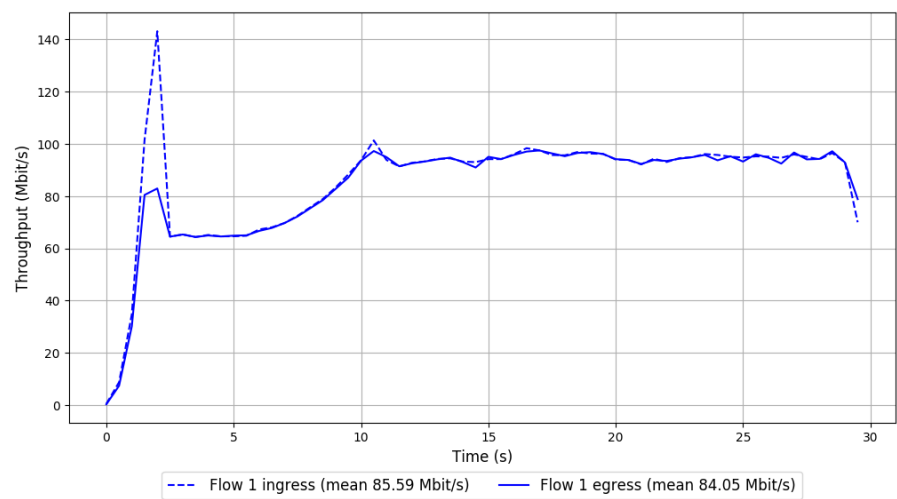
Run 9: Statistics of PCC

Start at: 2017-08-17 01:13:35  
End at: 2017-08-17 01:14:05  
Local clock offset: 1.744 ms  
Remote clock offset: -1.629 ms

# Below is generated by plot.py at 2017-08-17 02:02:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.05 Mbit/s  
95th percentile per-packet one-way delay: 53.145 ms  
Loss rate: 1.81%  
-- Flow 1:  
Average throughput: 84.05 Mbit/s  
95th percentile per-packet one-way delay: 53.145 ms  
Loss rate: 1.81%



Run 9: Report of PCC — Data Link

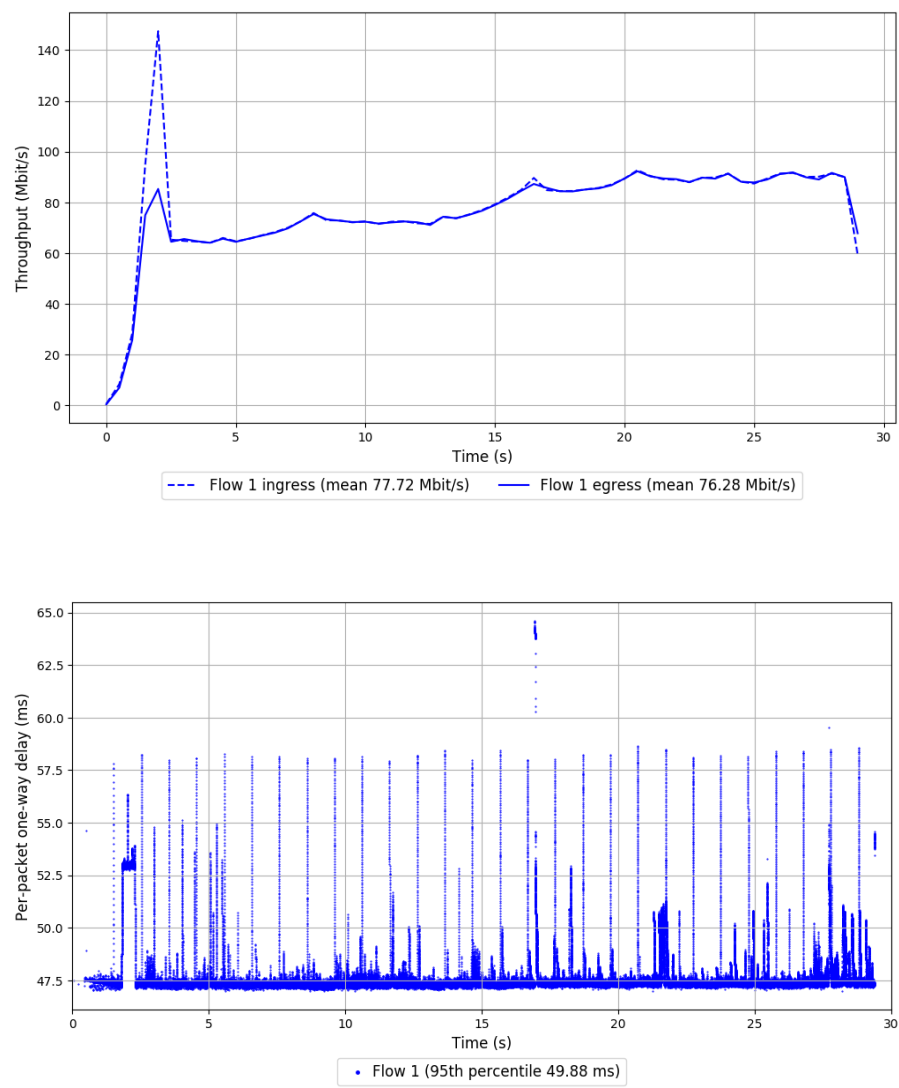


Run 10: Statistics of PCC

Start at: 2017-08-17 01:34:32  
End at: 2017-08-17 01:35:02  
Local clock offset: 1.867 ms  
Remote clock offset: -1.412 ms

# Below is generated by plot.py at 2017-08-17 02:02:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.28 Mbit/s  
95th percentile per-packet one-way delay: 49.875 ms  
Loss rate: 1.84%  
-- Flow 1:  
Average throughput: 76.28 Mbit/s  
95th percentile per-packet one-way delay: 49.875 ms  
Loss rate: 1.84%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

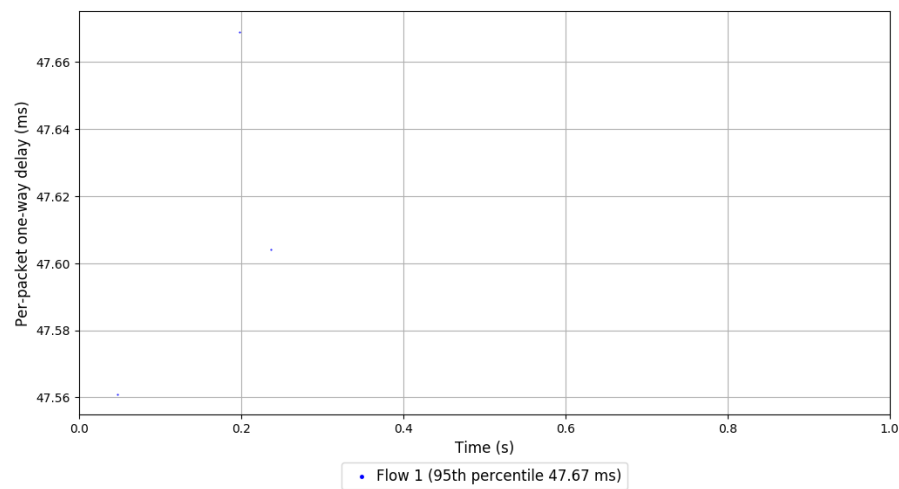
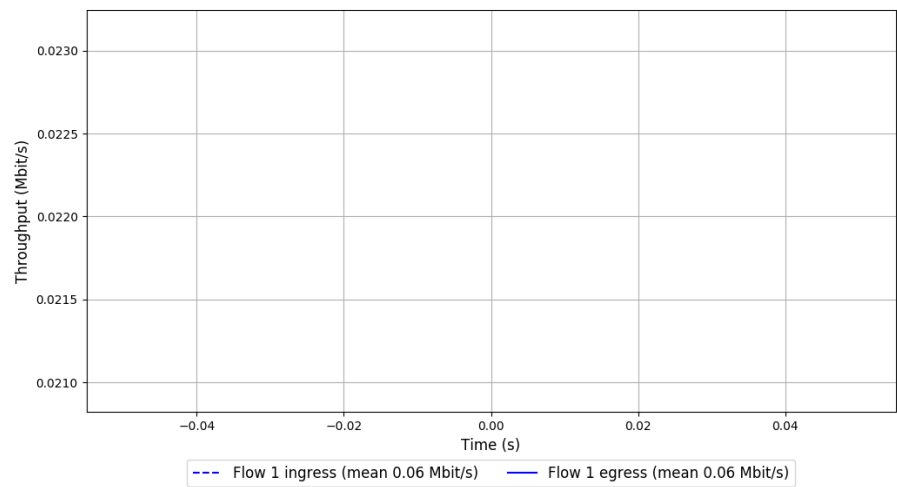
Start at: 2017-08-16 22:10:55

End at: 2017-08-16 22:11:25

Local clock offset: 0.228 ms

Remote clock offset: -0.526 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-08-16 22:32:35

End at: 2017-08-16 22:33:05

Local clock offset: 0.476 ms

Remote clock offset: -0.893 ms

# Below is generated by plot.py at 2017-08-17 02:02:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.60 Mbit/s

95th percentile per-packet one-way delay: 48.703 ms

Loss rate: 1.06%

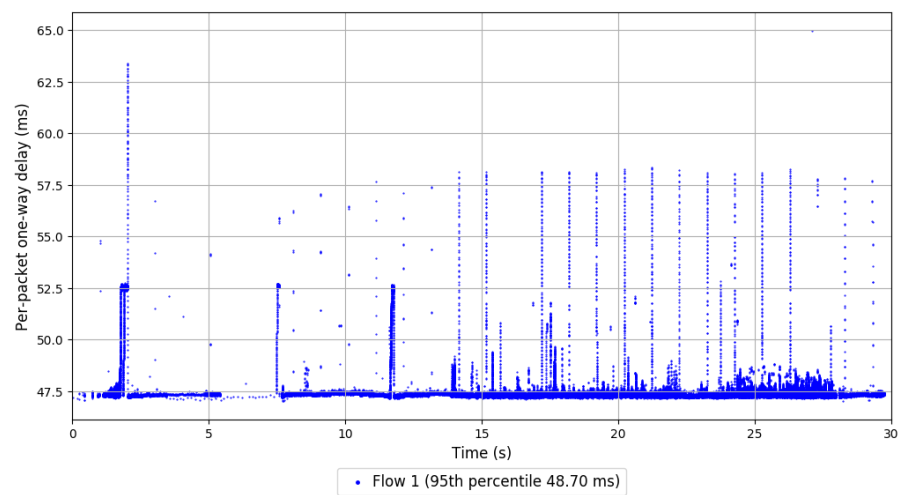
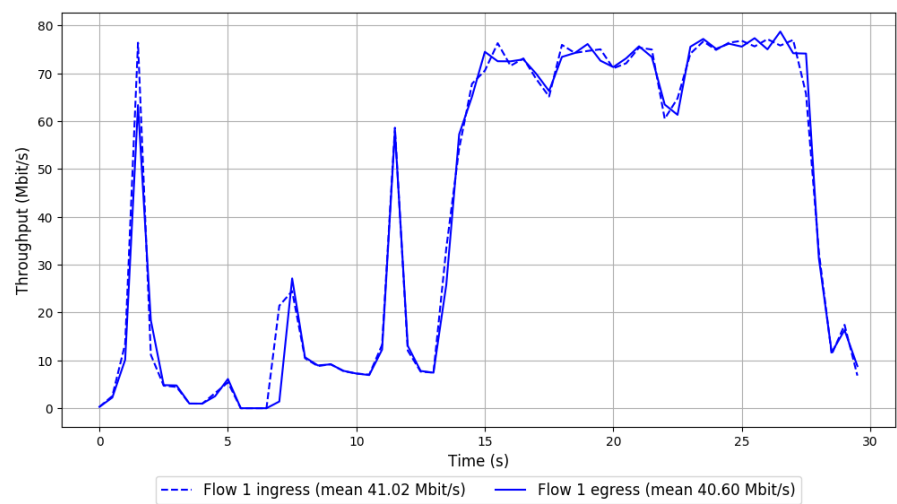
-- Flow 1:

Average throughput: 40.60 Mbit/s

95th percentile per-packet one-way delay: 48.703 ms

Loss rate: 1.06%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2017-08-16 22:54:19

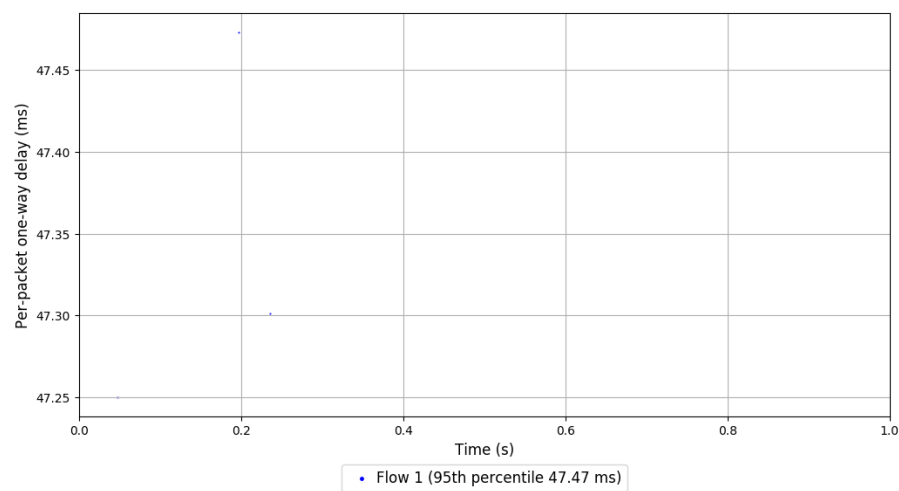
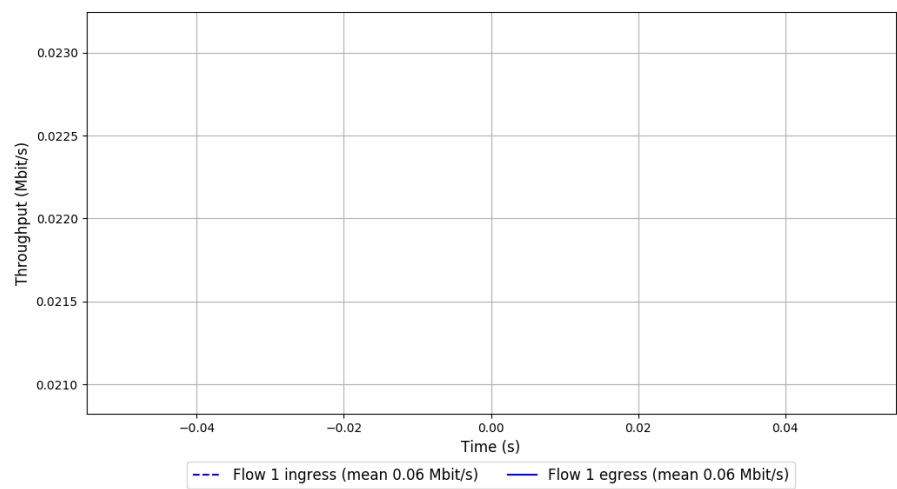
End at: 2017-08-16 22:54:49

Local clock offset: 0.733 ms

Remote clock offset: -1.152 ms



Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

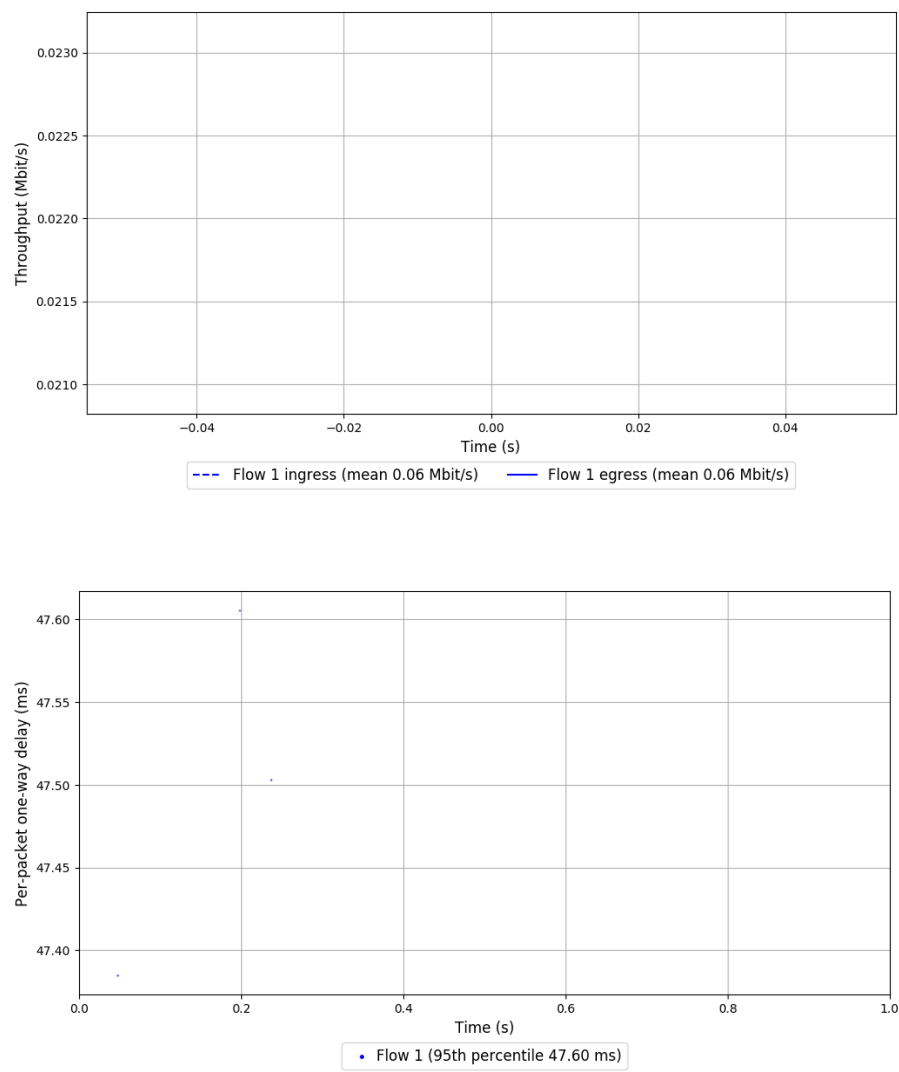
Start at: 2017-08-16 23:15:48

End at: 2017-08-16 23:16:18

Local clock offset: 0.975 ms

Remote clock offset: -1.256 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-08-16 23:37:05

End at: 2017-08-16 23:37:35

Local clock offset: 1.19 ms

Remote clock offset: -1.362 ms

# Below is generated by plot.py at 2017-08-17 02:03:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 36.74 Mbit/s

95th percentile per-packet one-way delay: 48.052 ms

Loss rate: 0.43%

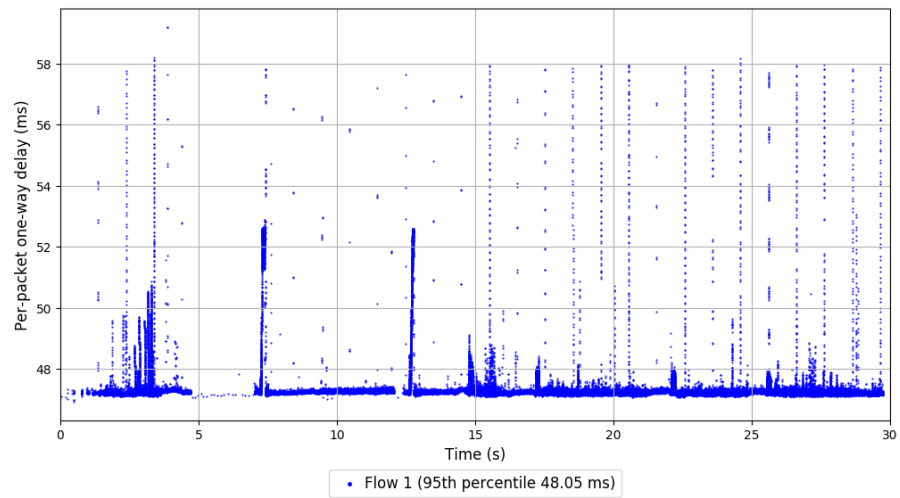
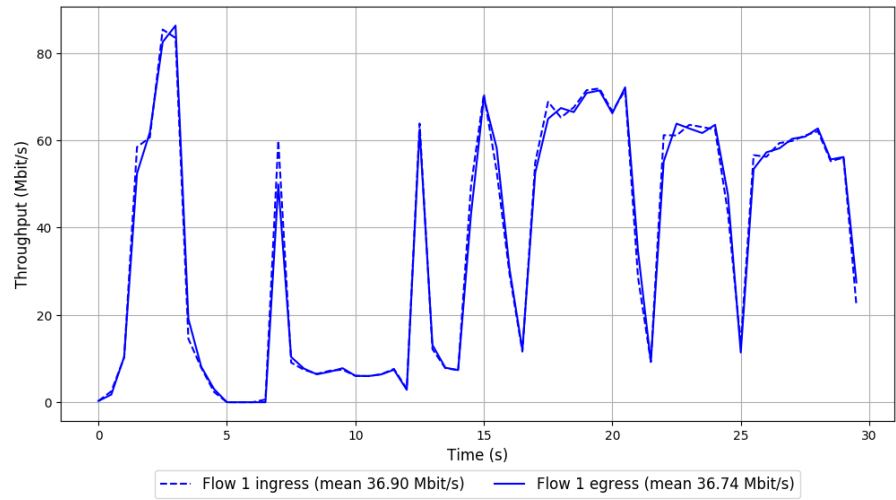
-- Flow 1:

Average throughput: 36.74 Mbit/s

95th percentile per-packet one-way delay: 48.052 ms

Loss rate: 0.43%

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



Run 6: Statistics of QUIC Cubic

Start at: 2017-08-16 23:58:00

End at: 2017-08-16 23:58:31

Local clock offset: 1.533 ms

Remote clock offset: -1.499 ms

# Below is generated by plot.py at 2017-08-17 02:03:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 41.19 Mbit/s

95th percentile per-packet one-way delay: 48.871 ms

Loss rate: 0.47%

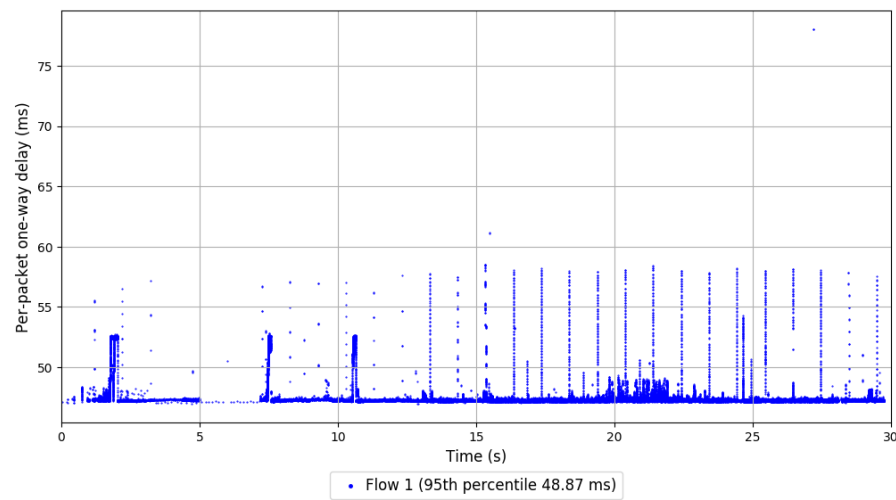
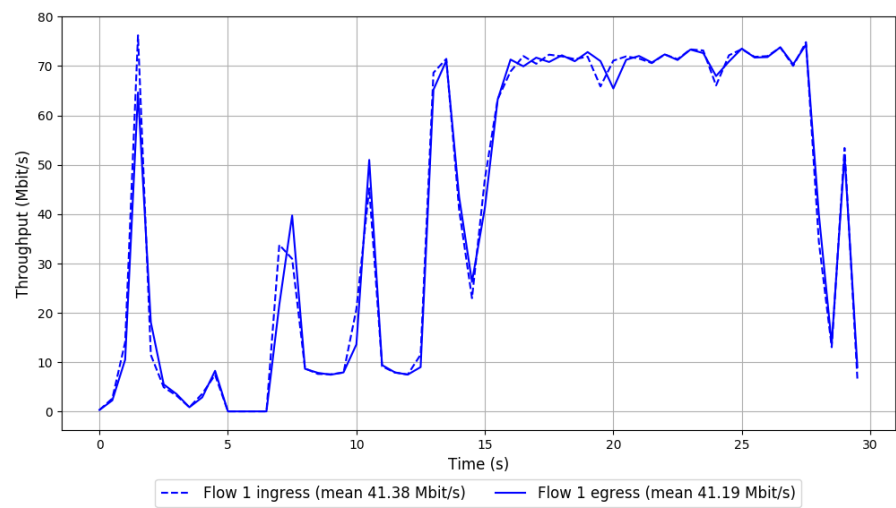
-- Flow 1:

Average throughput: 41.19 Mbit/s

95th percentile per-packet one-way delay: 48.871 ms

Loss rate: 0.47%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2017-08-17 00:19:22

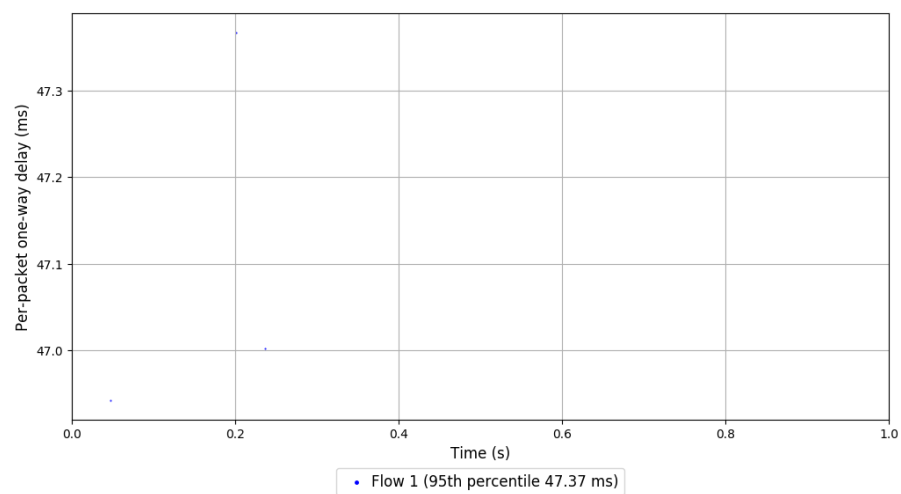
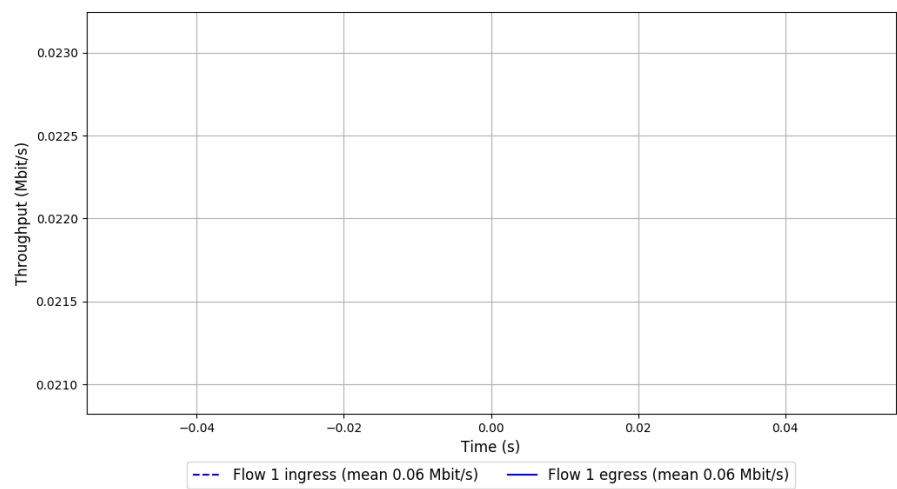
End at: 2017-08-17 00:19:52

Local clock offset: 2.033 ms

Remote clock offset: -1.593 ms



Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-08-17 00:40:42

End at: 2017-08-17 00:41:12

Local clock offset: 1.985 ms

Remote clock offset: -1.745 ms

# Below is generated by plot.py at 2017-08-17 02:03:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 8.69 Mbit/s

95th percentile per-packet one-way delay: 47.568 ms

Loss rate: 0.02%

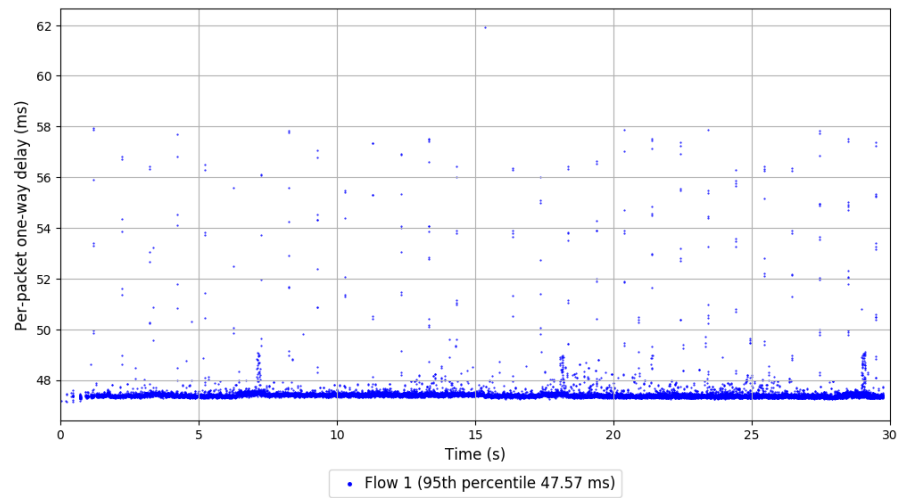
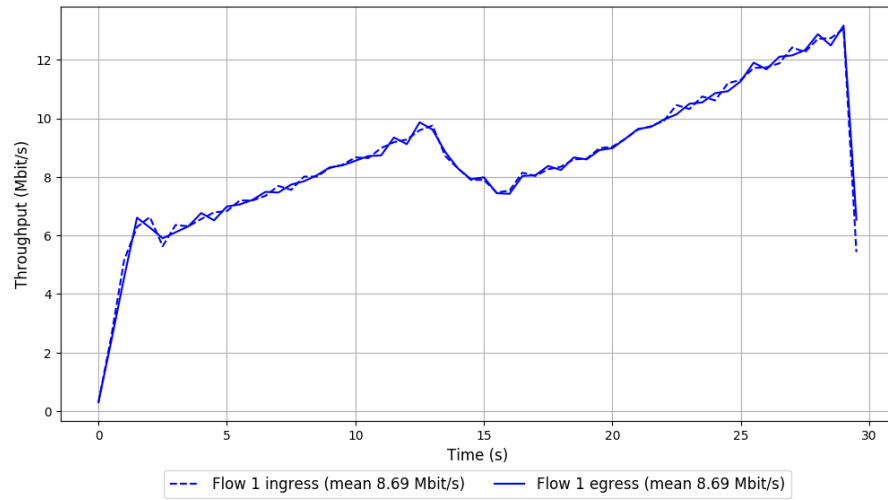
-- Flow 1:

Average throughput: 8.69 Mbit/s

95th percentile per-packet one-way delay: 47.568 ms

Loss rate: 0.02%

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



Run 9: Statistics of QUIC Cubic

Start at: 2017-08-17 01:01:09

End at: 2017-08-17 01:01:39

Local clock offset: 2.196 ms

Remote clock offset: -1.675 ms

# Below is generated by plot.py at 2017-08-17 02:03:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 28.05 Mbit/s

95th percentile per-packet one-way delay: 49.555 ms

Loss rate: 0.58%

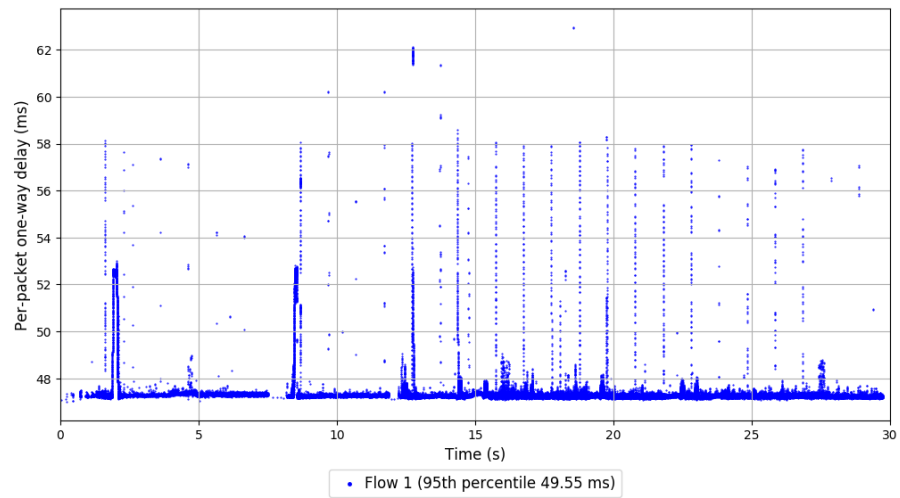
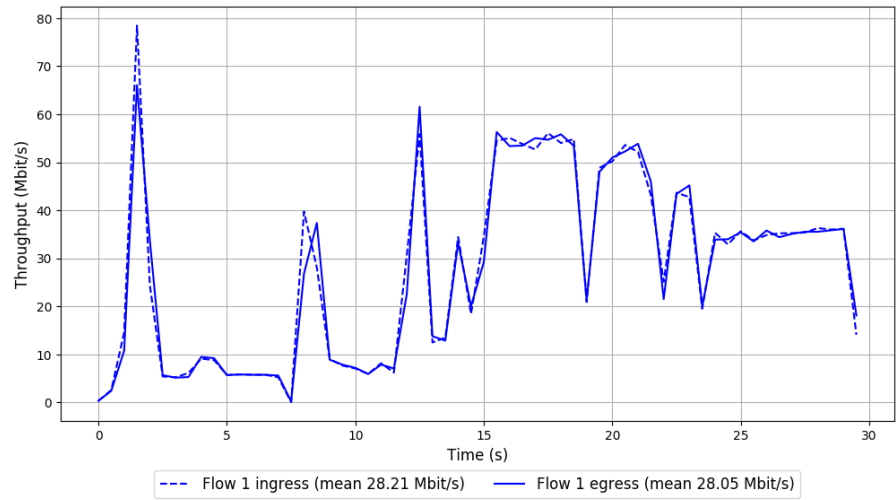
-- Flow 1:

Average throughput: 28.05 Mbit/s

95th percentile per-packet one-way delay: 49.555 ms

Loss rate: 0.58%

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



Run 10: Statistics of QUIC Cubic

Start at: 2017-08-17 01:22:36

End at: 2017-08-17 01:23:06

Local clock offset: 2.037 ms

Remote clock offset: -1.534 ms

# Below is generated by plot.py at 2017-08-17 02:03:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 23.56 Mbit/s

95th percentile per-packet one-way delay: 50.952 ms

Loss rate: 0.66%

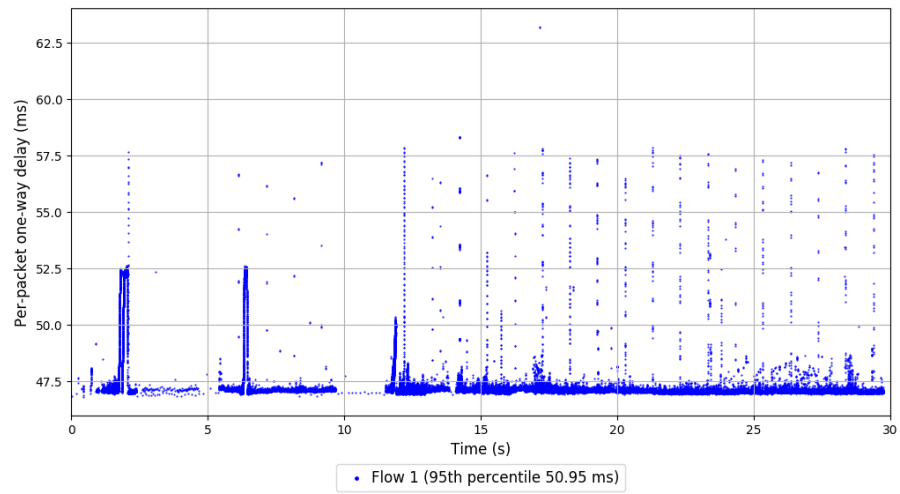
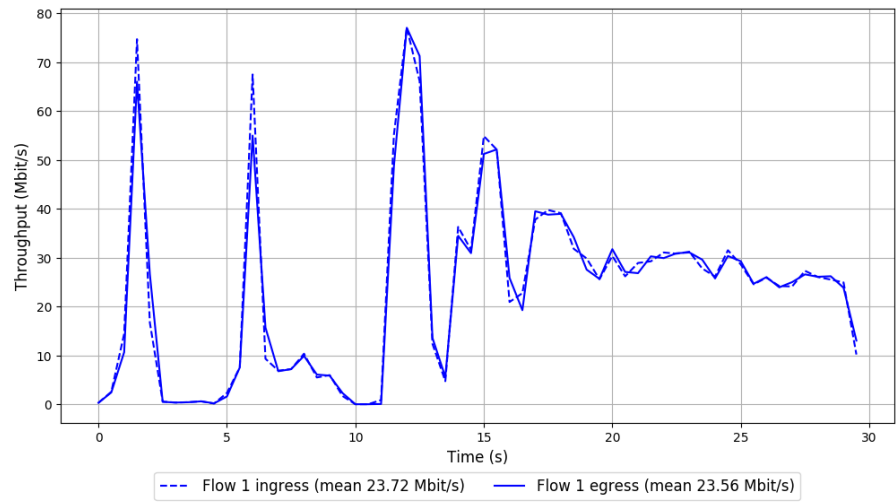
-- Flow 1:

Average throughput: 23.56 Mbit/s

95th percentile per-packet one-way delay: 50.952 ms

Loss rate: 0.66%

# Run 10: Report of QUIC Cubic — Data Link



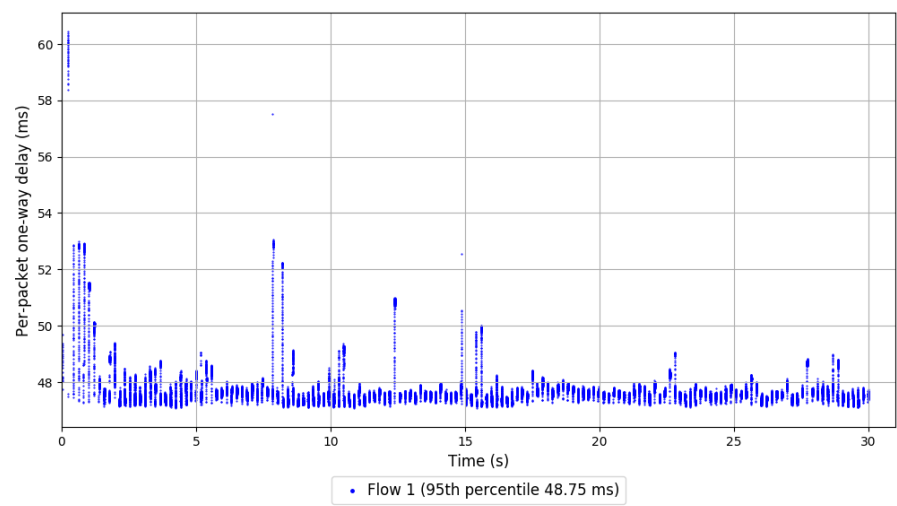
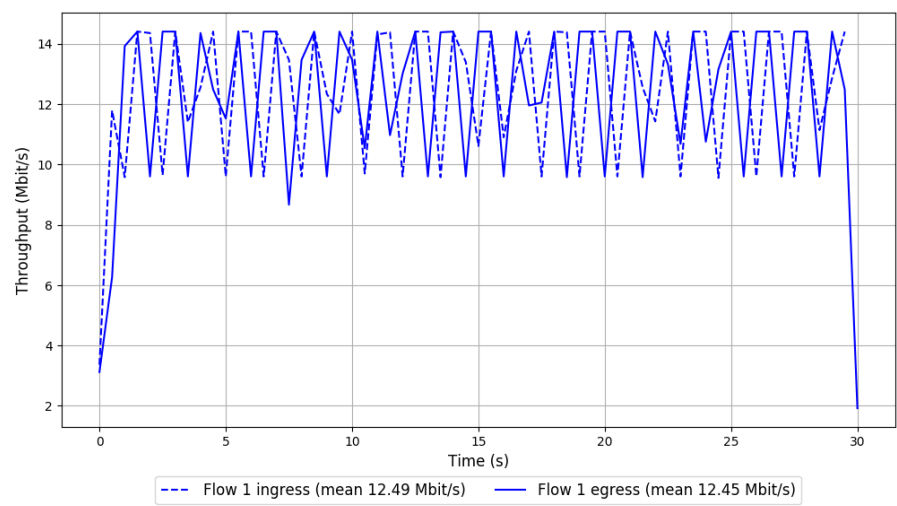
Run 1: Statistics of Saturator

Start at: 2017-08-16 22:07:58  
End at: 2017-08-16 22:08:28  
Local clock offset: 0.255 ms  
Remote clock offset: -0.529 ms

# Below is generated by plot.py at 2017-08-17 02:03:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.45 Mbit/s  
95th percentile per-packet one-way delay: 48.751 ms  
Loss rate: 0.32%  
-- Flow 1:  
Average throughput: 12.45 Mbit/s  
95th percentile per-packet one-way delay: 48.751 ms  
Loss rate: 0.32%



Run 1: Report of Saturator — Data Link

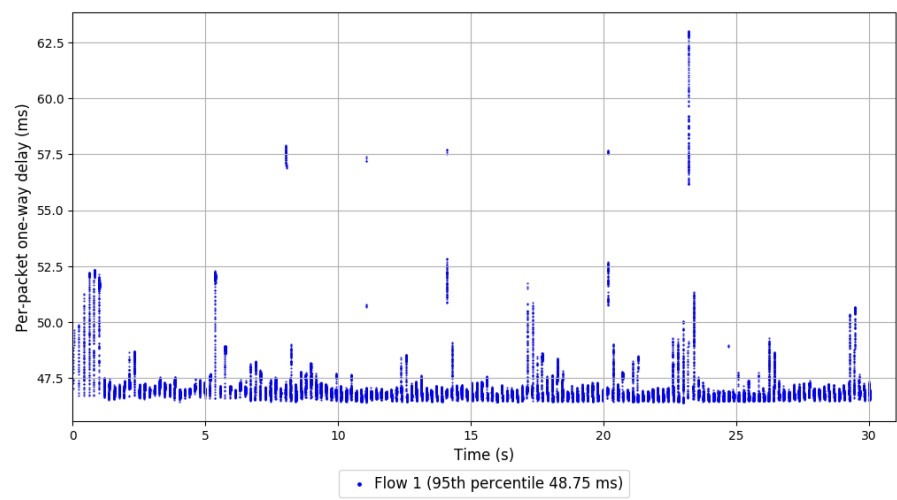
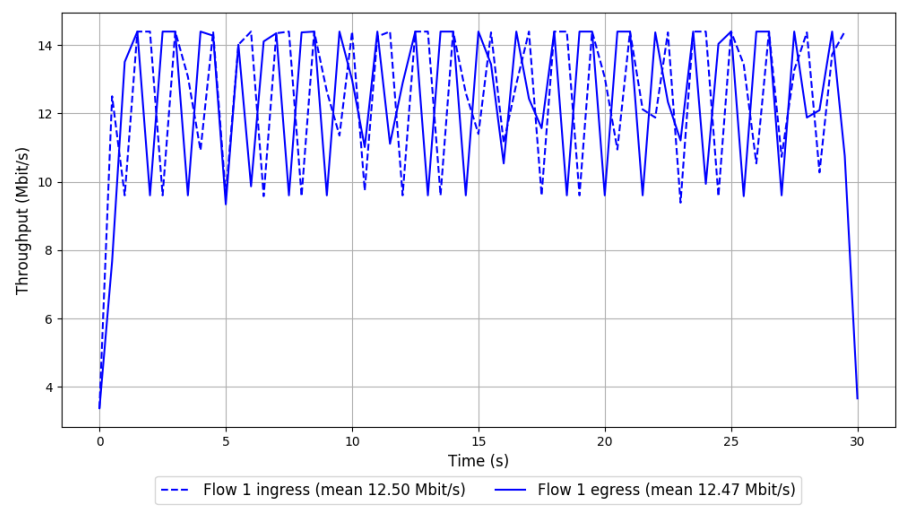


Run 2: Statistics of Saturator

Start at: 2017-08-16 22:29:53  
End at: 2017-08-16 22:30:23  
Local clock offset: 1.257 ms  
Remote clock offset: -0.808 ms

# Below is generated by plot.py at 2017-08-17 02:03:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.47 Mbit/s  
95th percentile per-packet one-way delay: 48.746 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 12.47 Mbit/s  
95th percentile per-packet one-way delay: 48.746 ms  
Loss rate: 0.21%

Run 2: Report of Saturator — Data Link

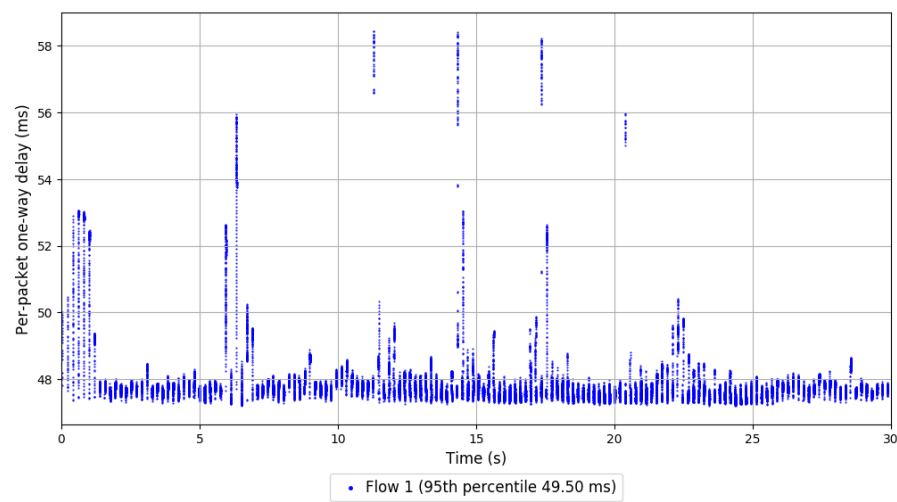
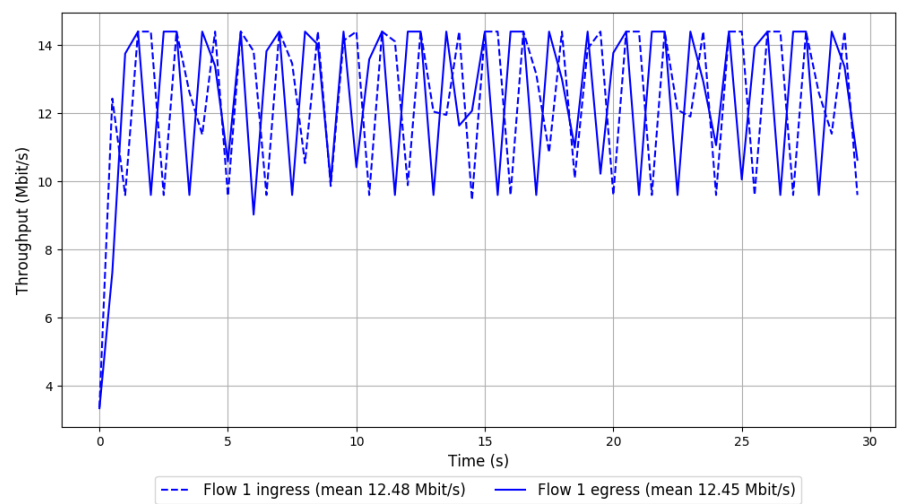


Run 3: Statistics of Saturator

Start at: 2017-08-16 22:51:39  
End at: 2017-08-16 22:52:09  
Local clock offset: 0.659 ms  
Remote clock offset: -1.147 ms

# Below is generated by plot.py at 2017-08-17 02:03:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.45 Mbit/s  
95th percentile per-packet one-way delay: 49.496 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 12.45 Mbit/s  
95th percentile per-packet one-way delay: 49.496 ms  
Loss rate: 0.23%

Run 3: Report of Saturator — Data Link

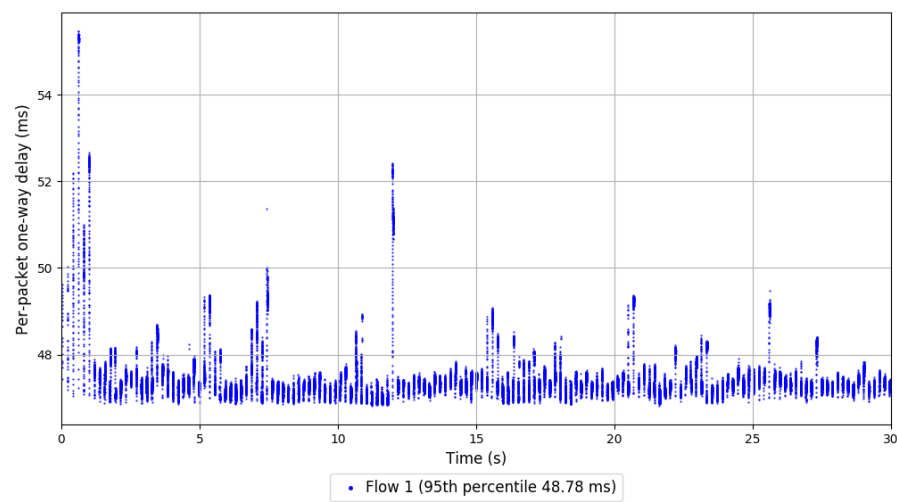
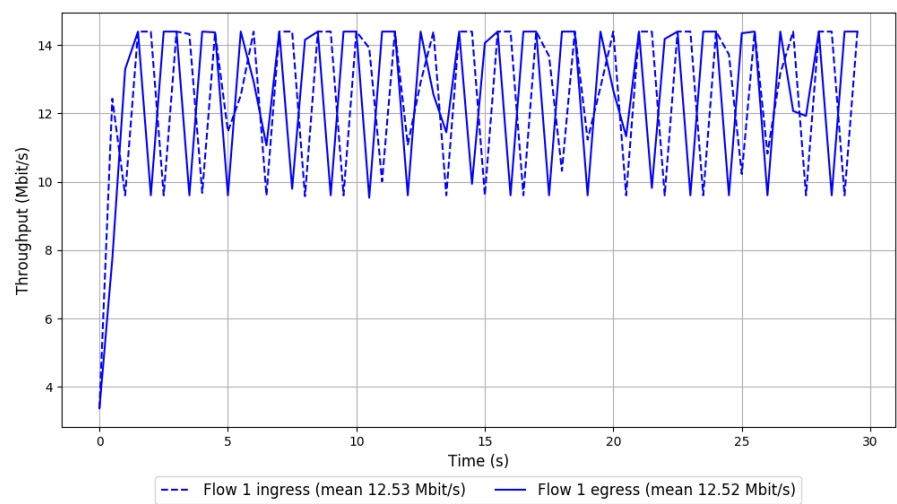


Run 4: Statistics of Saturator

Start at: 2017-08-16 23:13:01  
End at: 2017-08-16 23:13:31  
Local clock offset: 1.233 ms  
Remote clock offset: -1.302 ms

# Below is generated by plot.py at 2017-08-17 02:03:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.52 Mbit/s  
95th percentile per-packet one-way delay: 48.782 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 12.52 Mbit/s  
95th percentile per-packet one-way delay: 48.782 ms  
Loss rate: 0.14%

Run 4: Report of Saturator — Data Link



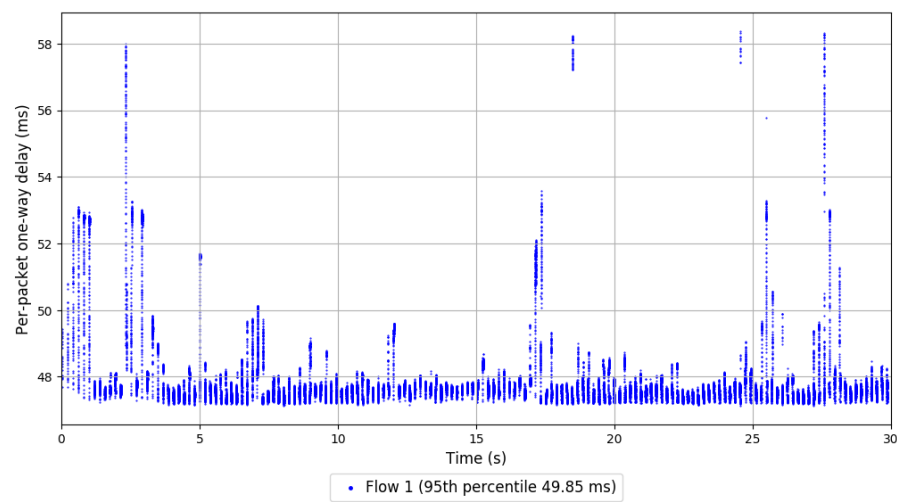
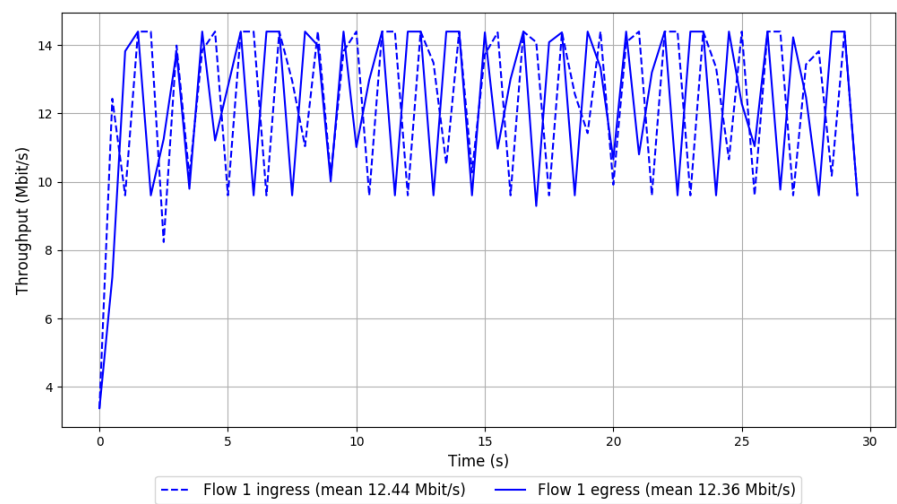
Run 5: Statistics of Saturator

Start at: 2017-08-16 23:34:20  
End at: 2017-08-16 23:34:50  
Local clock offset: 1.134 ms  
Remote clock offset: -1.356 ms

# Below is generated by plot.py at 2017-08-17 02:03:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.36 Mbit/s  
95th percentile per-packet one-way delay: 49.852 ms  
Loss rate: 0.64%  
-- Flow 1:  
Average throughput: 12.36 Mbit/s  
95th percentile per-packet one-way delay: 49.852 ms  
Loss rate: 0.64%



Run 5: Report of Saturator — Data Link

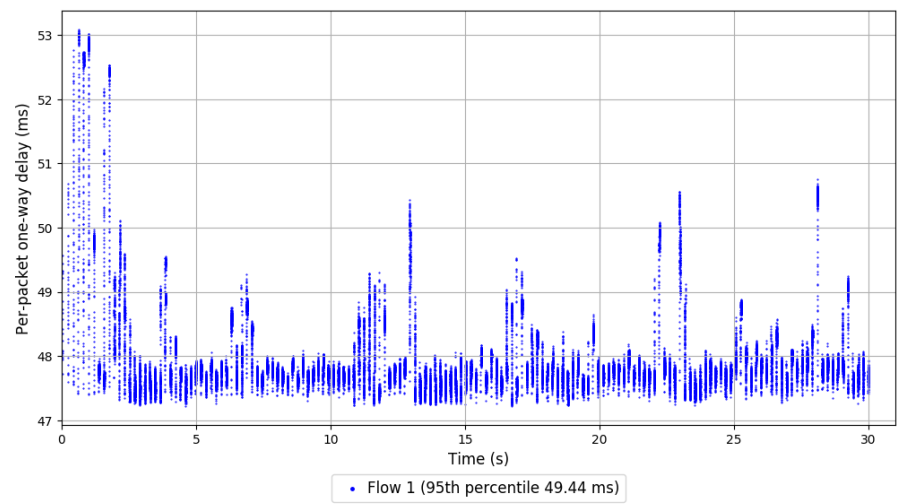
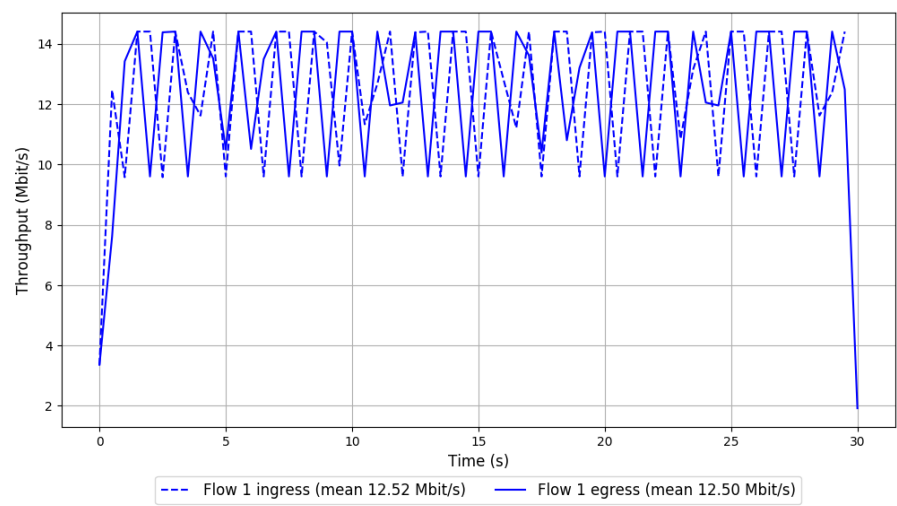


Run 6: Statistics of Saturator

Start at: 2017-08-16 23:55:26  
End at: 2017-08-16 23:55:56  
Local clock offset: 1.631 ms  
Remote clock offset: -1.495 ms

# Below is generated by plot.py at 2017-08-17 02:03:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.50 Mbit/s  
95th percentile per-packet one-way delay: 49.444 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 12.50 Mbit/s  
95th percentile per-packet one-way delay: 49.444 ms  
Loss rate: 0.13%

Run 6: Report of Saturator — Data Link

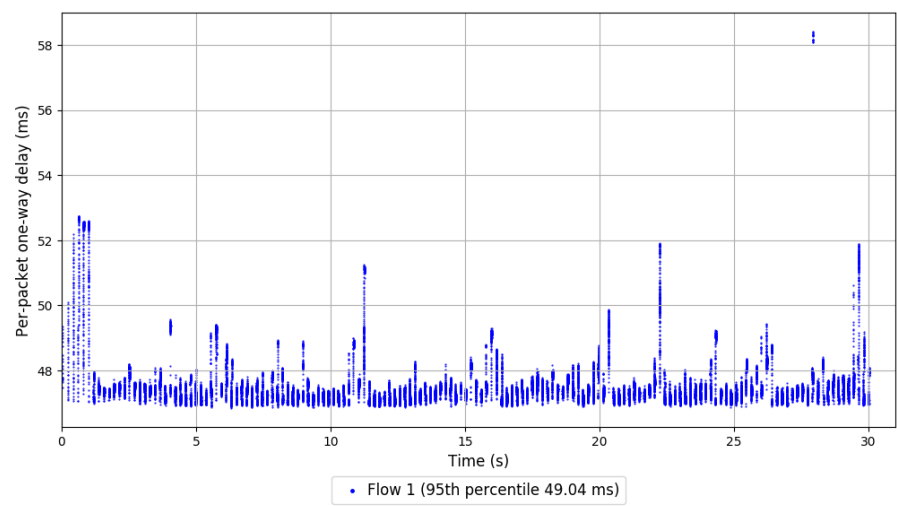
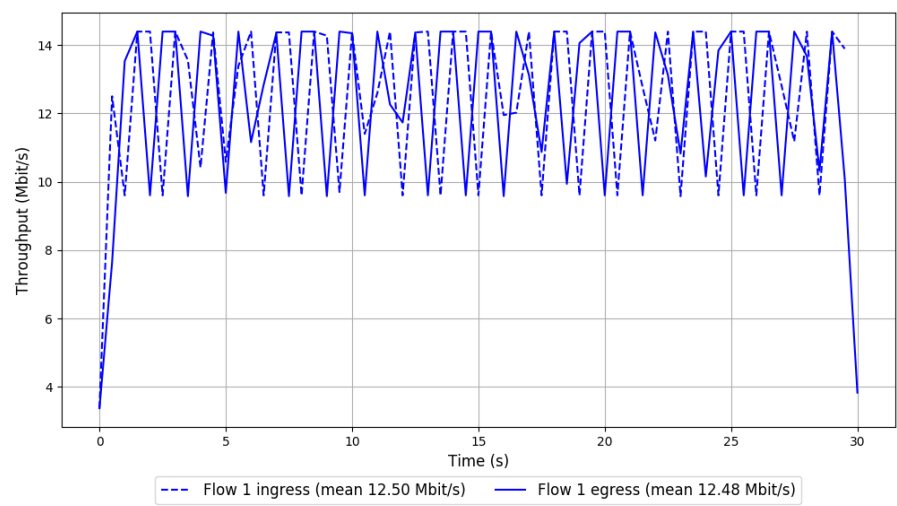


Run 7: Statistics of Saturator

Start at: 2017-08-17 00:16:31  
End at: 2017-08-17 00:17:01  
Local clock offset: 2.072 ms  
Remote clock offset: -1.596 ms

# Below is generated by plot.py at 2017-08-17 02:03:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.48 Mbit/s  
95th percentile per-packet one-way delay: 49.039 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 12.48 Mbit/s  
95th percentile per-packet one-way delay: 49.039 ms  
Loss rate: 0.13%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: 2017-08-17 00:38:02

End at: 2017-08-17 00:38:33

Local clock offset: 2.04 ms

Remote clock offset: -1.74 ms

# Below is generated by plot.py at 2017-08-17 02:03:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.47 Mbit/s

95th percentile per-packet one-way delay: 50.128 ms

Loss rate: 0.28%

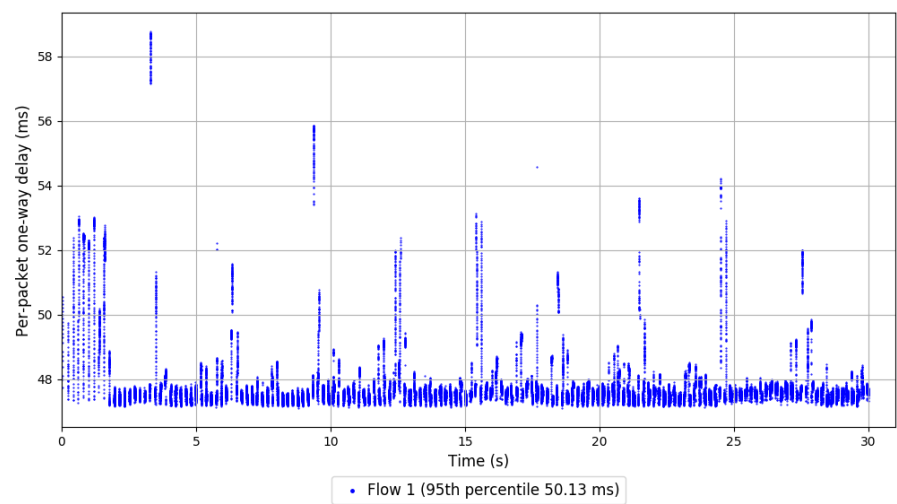
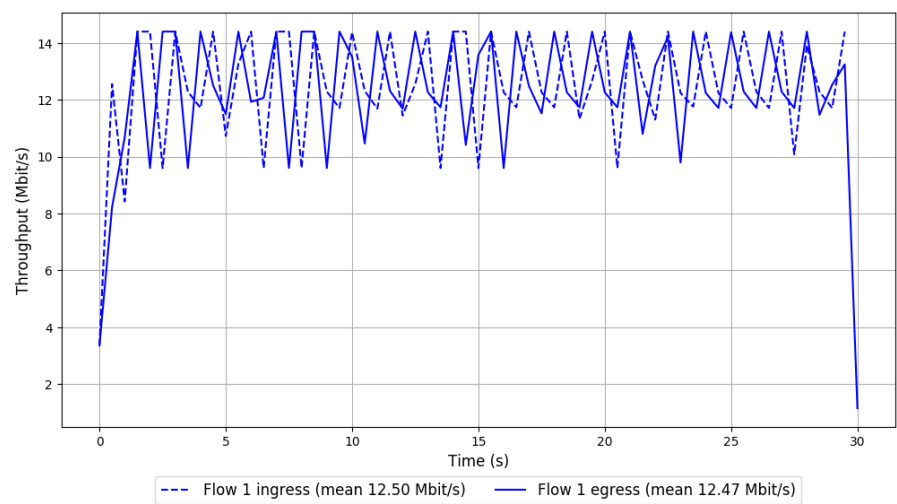
-- Flow 1:

Average throughput: 12.47 Mbit/s

95th percentile per-packet one-way delay: 50.128 ms

Loss rate: 0.28%

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: 2017-08-17 00:58:34

End at: 2017-08-17 00:59:04

Local clock offset: 2.833 ms

Remote clock offset: -1.7 ms

# Below is generated by plot.py at 2017-08-17 02:03:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.47 Mbit/s

95th percentile per-packet one-way delay: 50.137 ms

Loss rate: 0.29%

-- Flow 1:

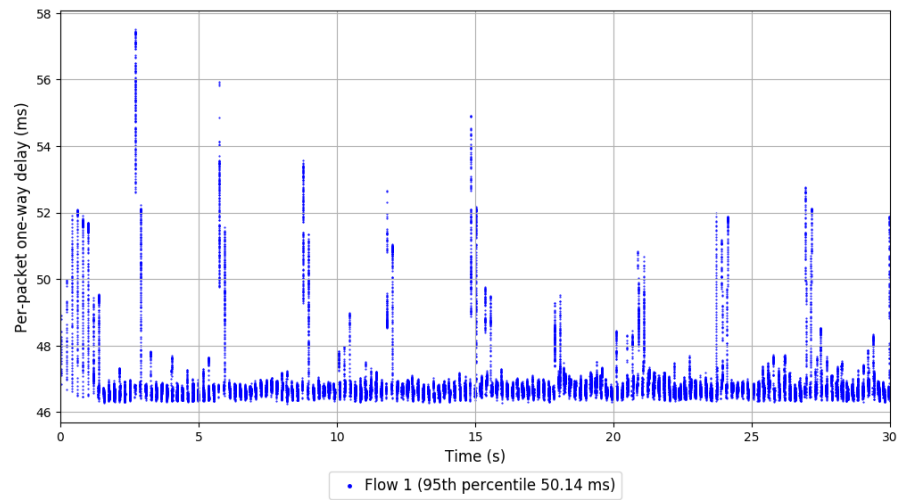
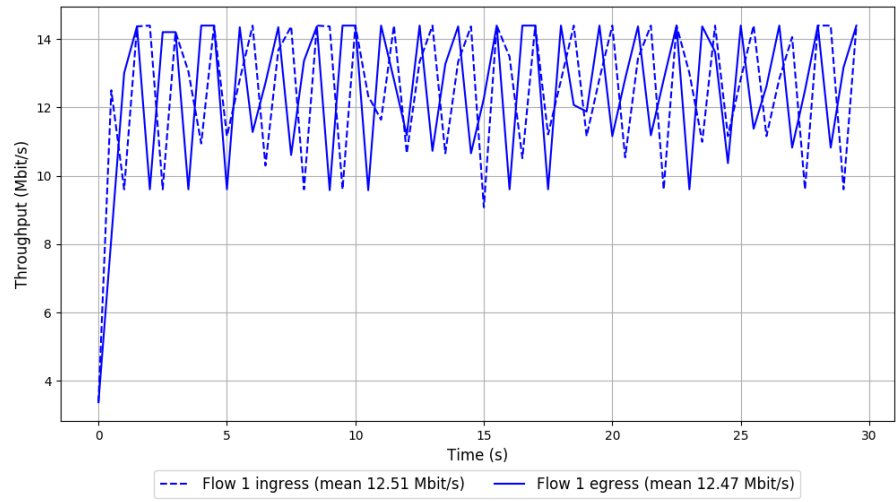
Average throughput: 12.47 Mbit/s

95th percentile per-packet one-way delay: 50.137 ms

Loss rate: 0.29%



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

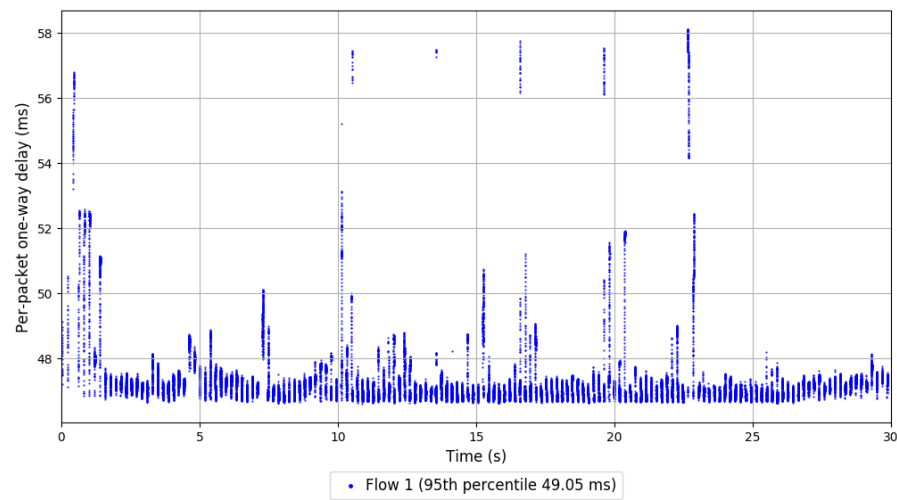
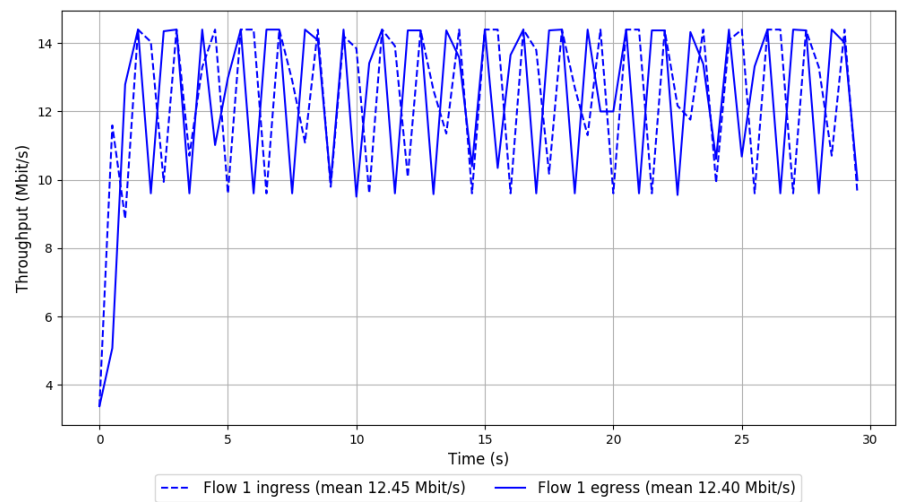


Run 10: Statistics of Saturator

Start at: 2017-08-17 01:19:51  
End at: 2017-08-17 01:20:21  
Local clock offset: 2.602 ms  
Remote clock offset: -1.574 ms

# Below is generated by plot.py at 2017-08-17 02:03:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.40 Mbit/s  
95th percentile per-packet one-way delay: 49.045 ms  
Loss rate: 0.44%  
-- Flow 1:  
Average throughput: 12.40 Mbit/s  
95th percentile per-packet one-way delay: 49.045 ms  
Loss rate: 0.44%

Run 10: Report of Saturator — Data Link

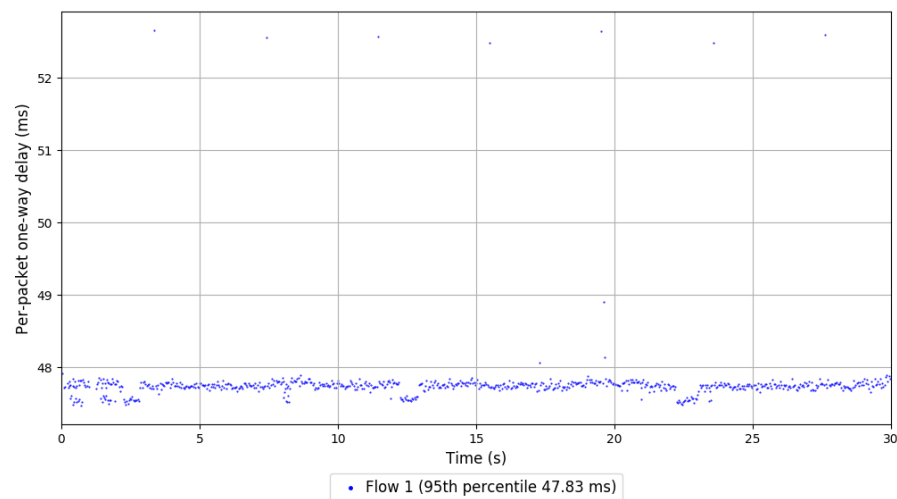
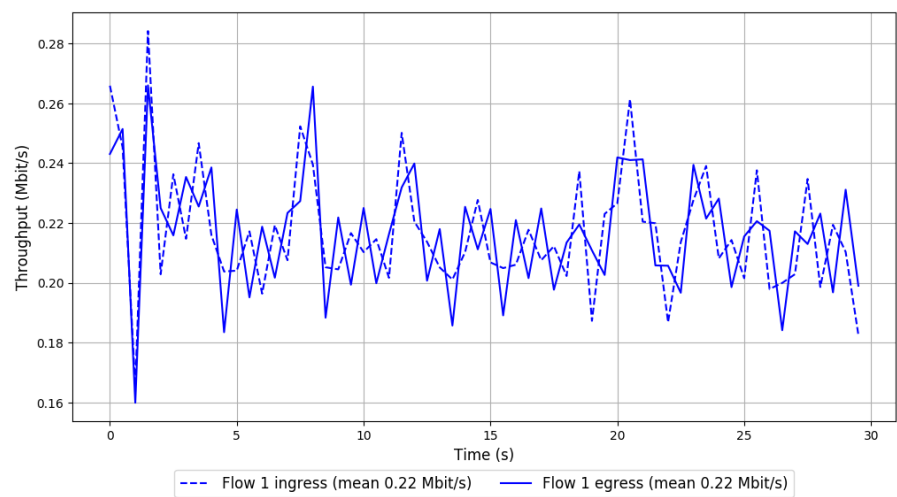


Run 1: Statistics of SCReAM

Start at: 2017-08-16 22:13:19  
End at: 2017-08-16 22:13:49  
Local clock offset: 0.238 ms  
Remote clock offset: -0.595 ms

# Below is generated by plot.py at 2017-08-17 02:03:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 47.831 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 47.831 ms  
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

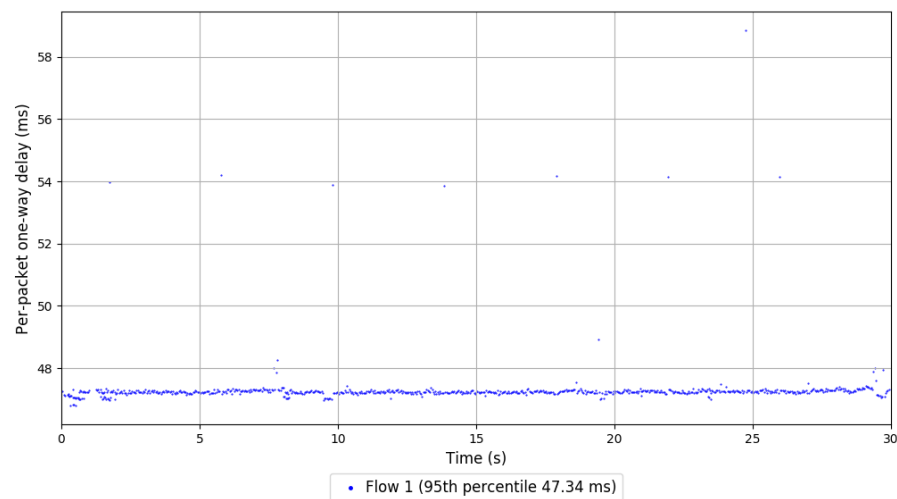
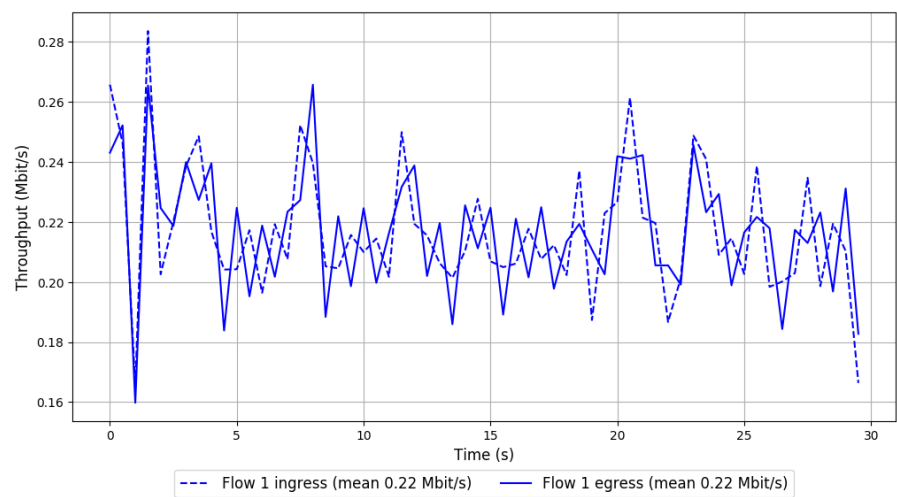


Run 2: Statistics of SCReAM

Start at: 2017-08-16 22:35:21  
End at: 2017-08-16 22:35:51  
Local clock offset: 0.786 ms  
Remote clock offset: -0.964 ms

# Below is generated by plot.py at 2017-08-17 02:03:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 47.339 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 47.339 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2017-08-16 22:56:43

End at: 2017-08-16 22:57:13

Local clock offset: 0.745 ms

Remote clock offset: -1.25 ms

# Below is generated by plot.py at 2017-08-17 02:03:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 47.601 ms

Loss rate: 0.00%

-- Flow 1:

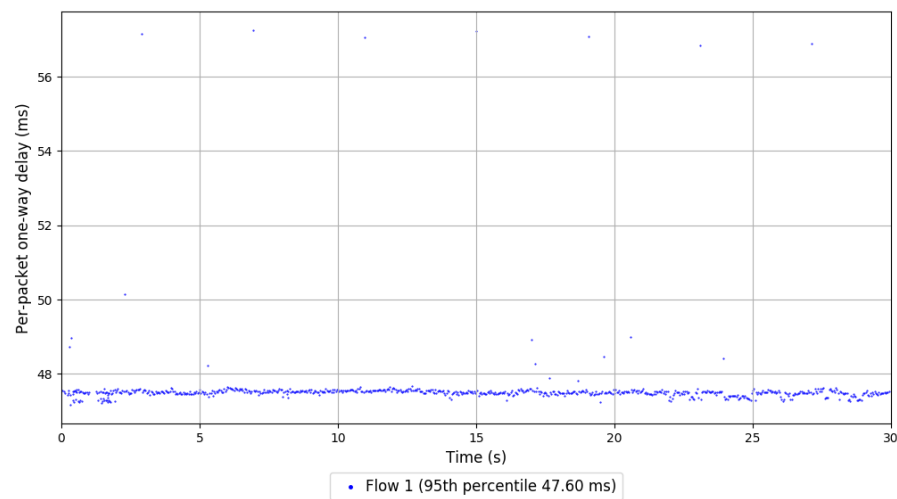
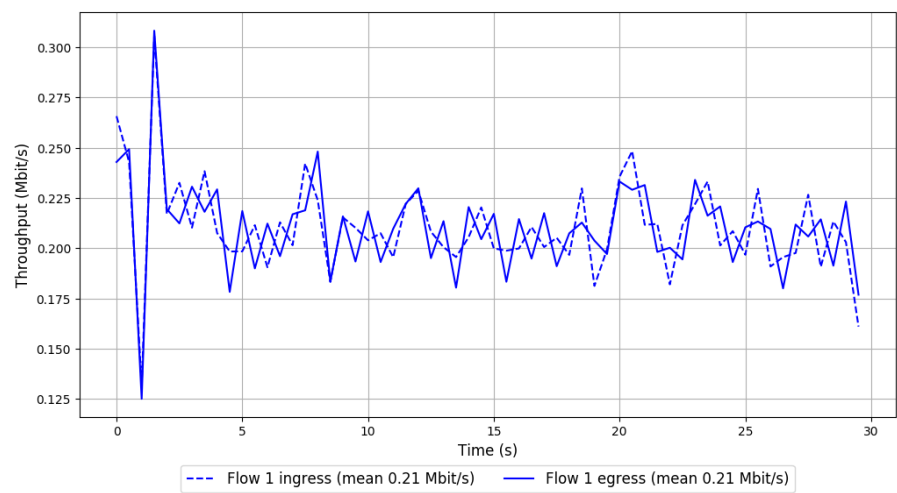
Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 47.601 ms

Loss rate: 0.00%



Run 3: Report of SReAM — Data Link

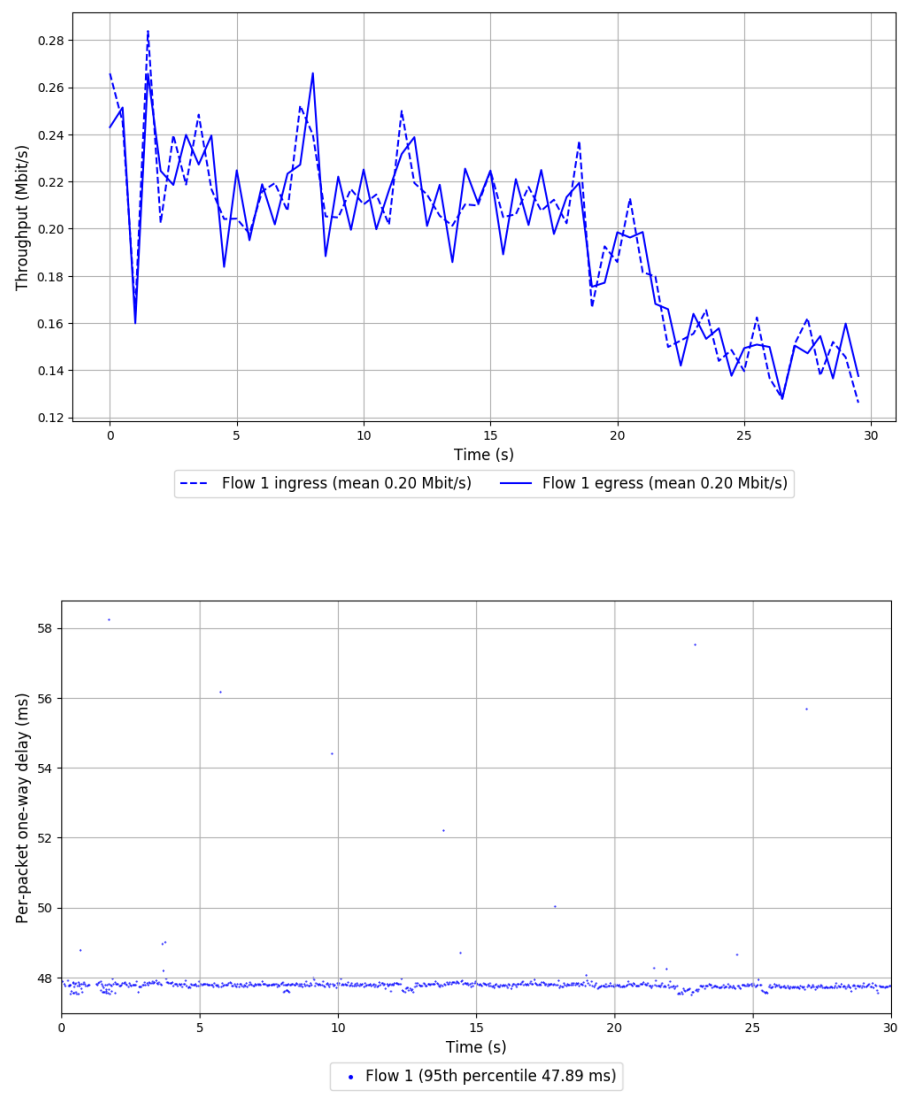


Run 4: Statistics of SCReAM

Start at: 2017-08-16 23:18:12  
End at: 2017-08-16 23:18:42  
Local clock offset: 0.971 ms  
Remote clock offset: -1.251 ms

# Below is generated by plot.py at 2017-08-17 02:03:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.20 Mbit/s  
95th percentile per-packet one-way delay: 47.891 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 0.20 Mbit/s  
95th percentile per-packet one-way delay: 47.891 ms  
Loss rate: 0.14%

Run 4: Report of SReAM — Data Link

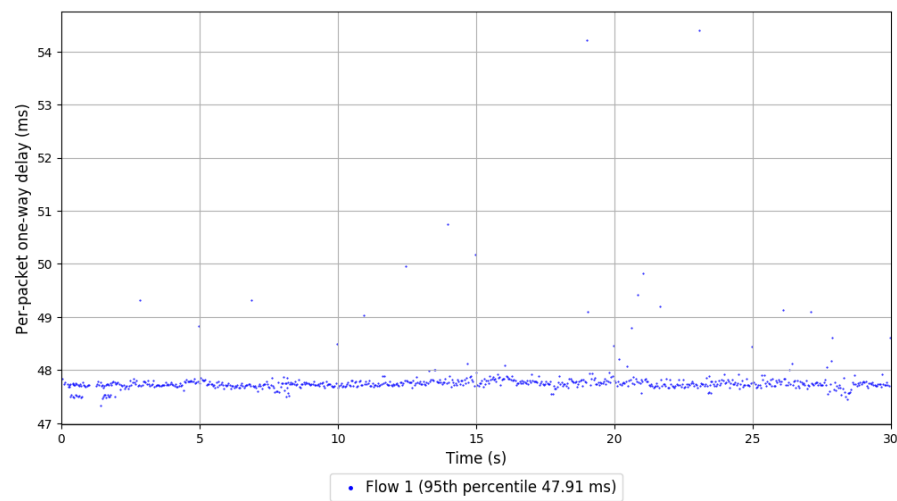
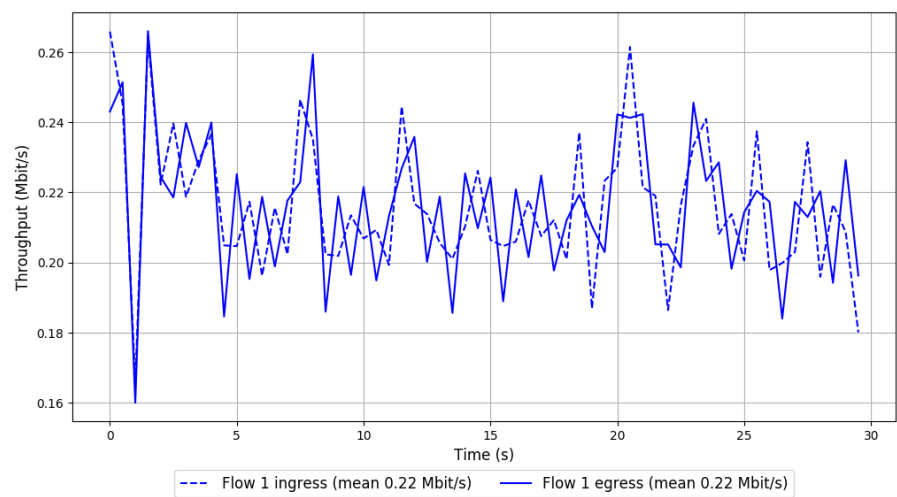


Run 5: Statistics of SCReAM

Start at: 2017-08-16 23:39:36  
End at: 2017-08-16 23:40:06  
Local clock offset: 1.24 ms  
Remote clock offset: -1.336 ms

# Below is generated by plot.py at 2017-08-17 02:03:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 47.915 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 47.915 ms  
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

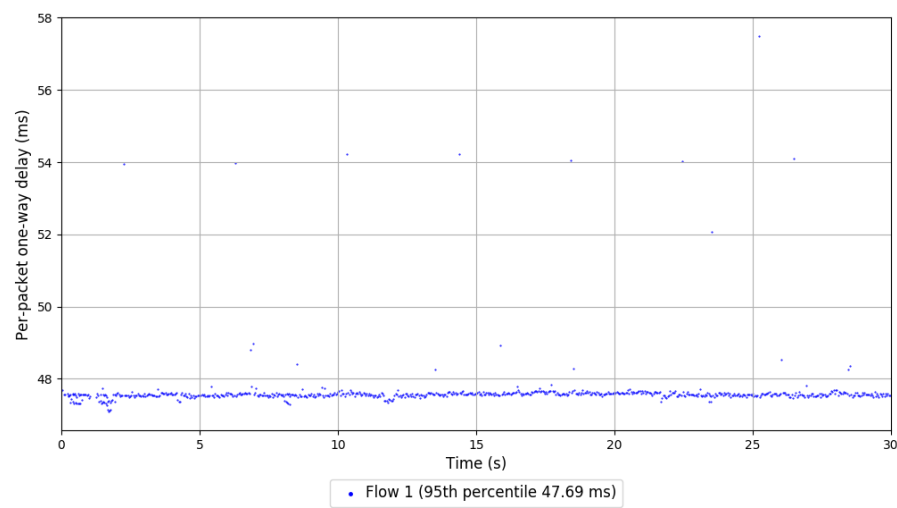
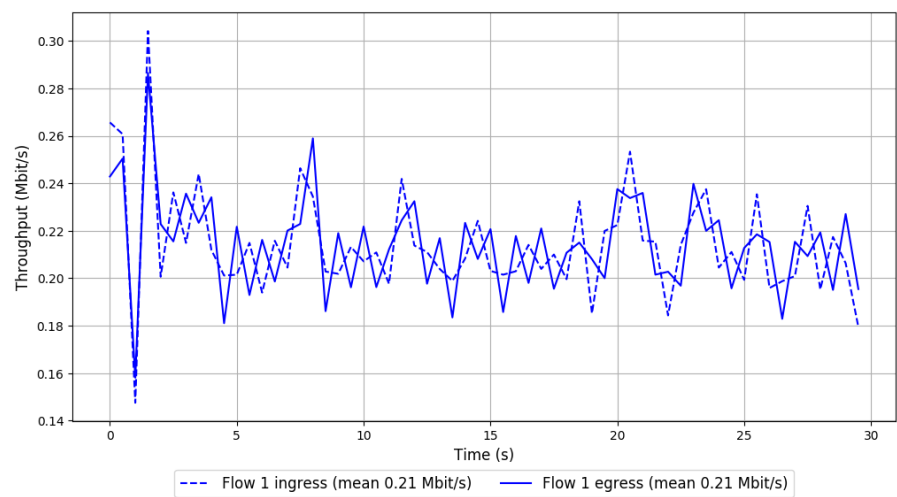


Run 6: Statistics of SCReAM

Start at: 2017-08-17 00:00:35  
End at: 2017-08-17 00:01:05  
Local clock offset: 1.486 ms  
Remote clock offset: -1.489 ms

# Below is generated by plot.py at 2017-08-17 02:03:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 47.689 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 47.689 ms  
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



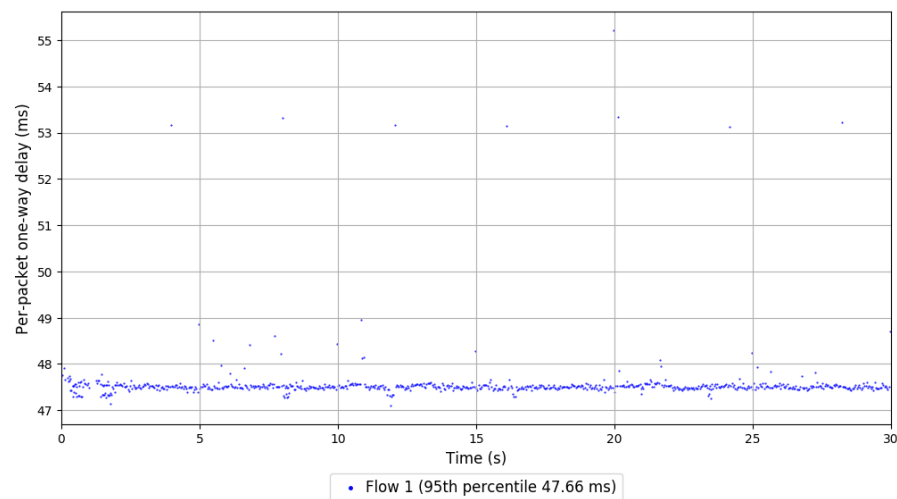
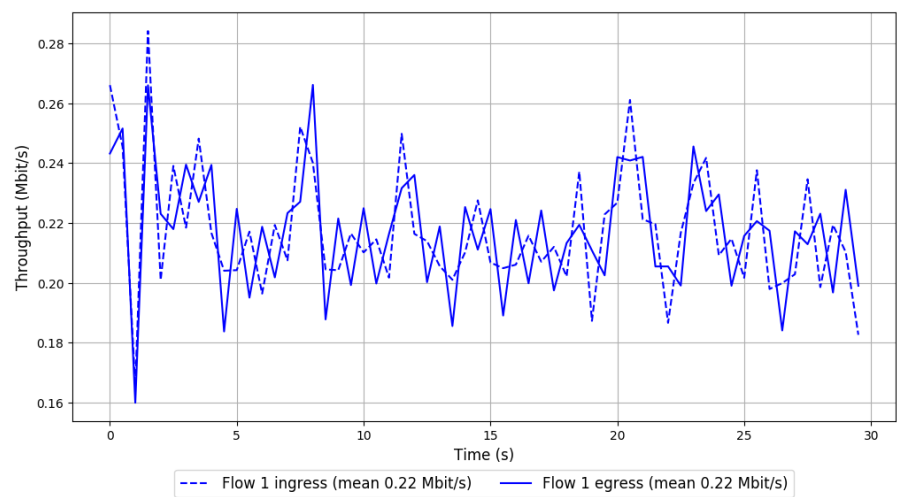
Run 7: Statistics of SCReAM

Start at: 2017-08-17 00:21:55  
End at: 2017-08-17 00:22:25  
Local clock offset: 2.095 ms  
Remote clock offset: -1.635 ms

# Below is generated by plot.py at 2017-08-17 02:03:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 47.662 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 47.662 ms  
Loss rate: 0.00%



Run 7: Report of SReAM — Data Link

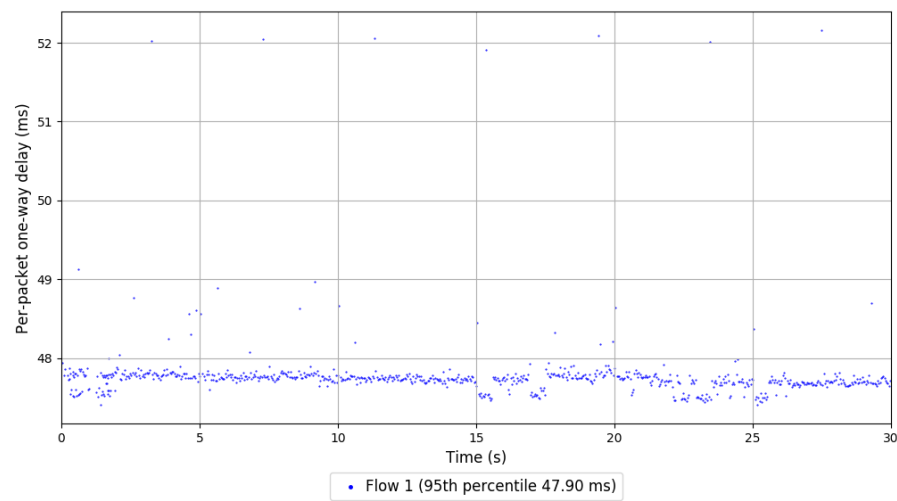
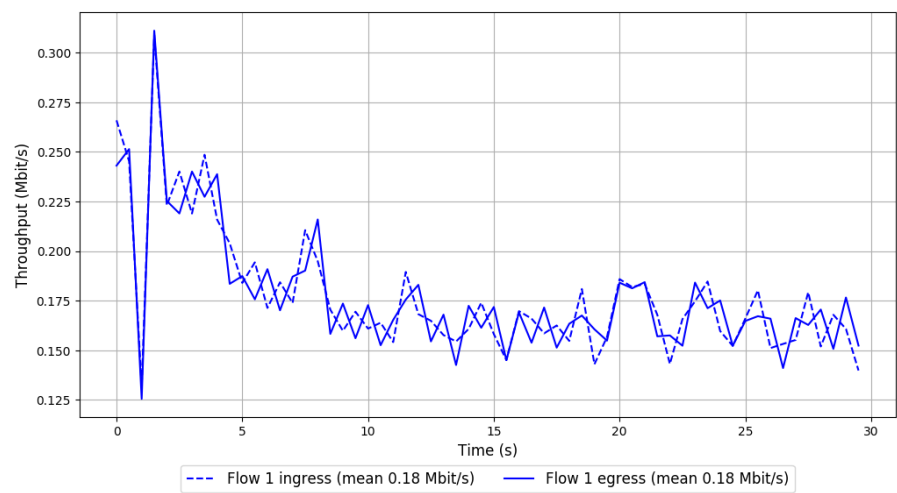


Run 8: Statistics of SCReAM

Start at: 2017-08-17 00:43:11  
End at: 2017-08-17 00:43:41  
Local clock offset: 2.003 ms  
Remote clock offset: -1.804 ms

# Below is generated by plot.py at 2017-08-17 02:03:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.18 Mbit/s  
95th percentile per-packet one-way delay: 47.898 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 0.18 Mbit/s  
95th percentile per-packet one-way delay: 47.898 ms  
Loss rate: 0.17%

Run 8: Report of SReAM — Data Link

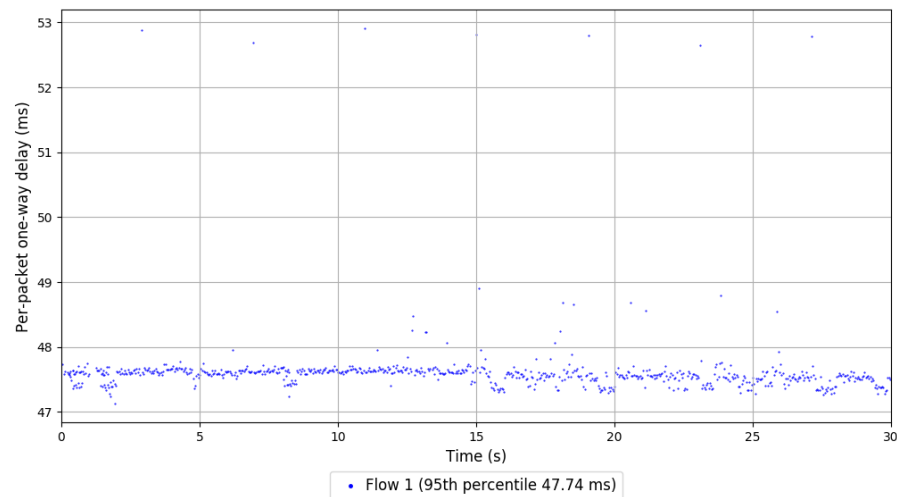
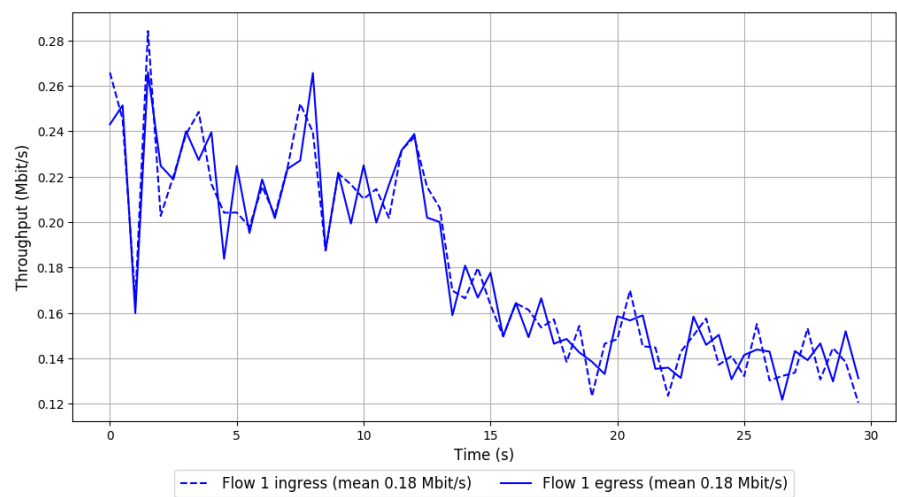


Run 9: Statistics of SCReAM

Start at: 2017-08-17 01:03:42  
End at: 2017-08-17 01:04:12  
Local clock offset: 1.878 ms  
Remote clock offset: -1.601 ms

# Below is generated by plot.py at 2017-08-17 02:03:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.18 Mbit/s  
95th percentile per-packet one-way delay: 47.736 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 0.18 Mbit/s  
95th percentile per-packet one-way delay: 47.736 ms  
Loss rate: 0.18%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2017-08-17 01:25:08

End at: 2017-08-17 01:25:38

Local clock offset: 1.786 ms

Remote clock offset: -1.543 ms

# Below is generated by plot.py at 2017-08-17 02:03:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 47.546 ms

Loss rate: 0.16%

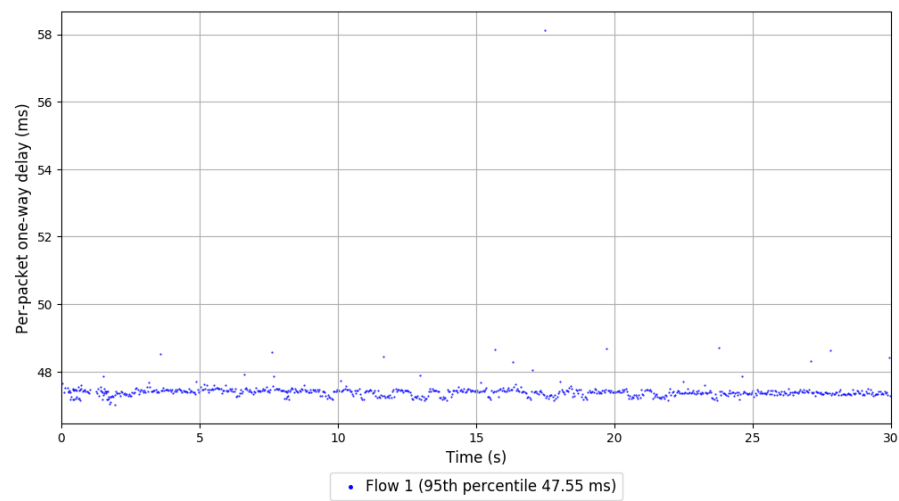
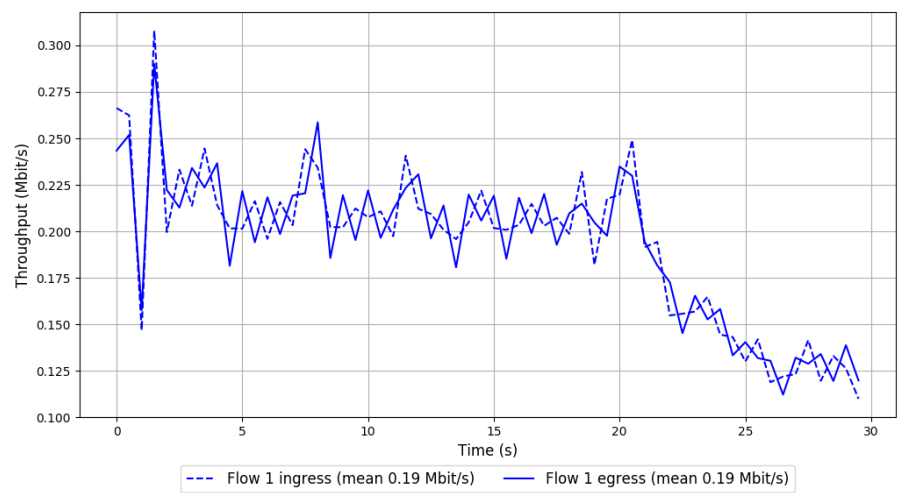
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 47.546 ms

Loss rate: 0.16%

Run 10: Report of SReAM — Data Link



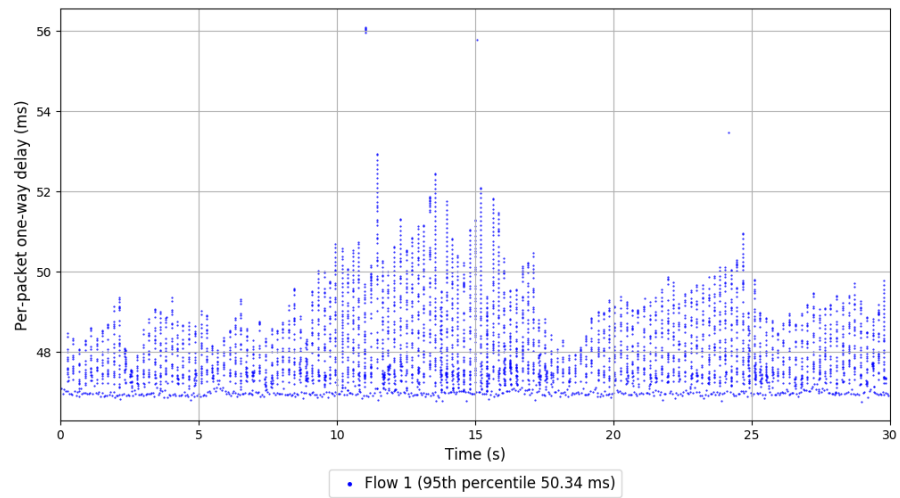
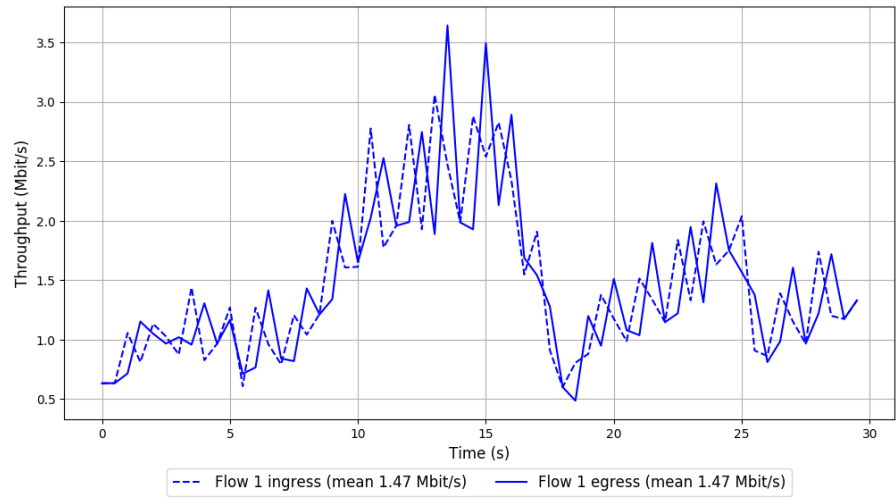
Run 1: Statistics of Sprout

Start at: 2017-08-16 22:12:06  
End at: 2017-08-16 22:12:36  
Local clock offset: 0.544 ms  
Remote clock offset: -0.577 ms

# Below is generated by plot.py at 2017-08-17 02:03:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.47 Mbit/s  
95th percentile per-packet one-way delay: 50.340 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.47 Mbit/s  
95th percentile per-packet one-way delay: 50.340 ms  
Loss rate: 0.00%



# Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2017-08-16 22:34:04

End at: 2017-08-16 22:34:35

Local clock offset: 0.53 ms

Remote clock offset: -0.88 ms

# Below is generated by plot.py at 2017-08-17 02:03:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.48 Mbit/s

95th percentile per-packet one-way delay: 50.782 ms

Loss rate: 0.00%

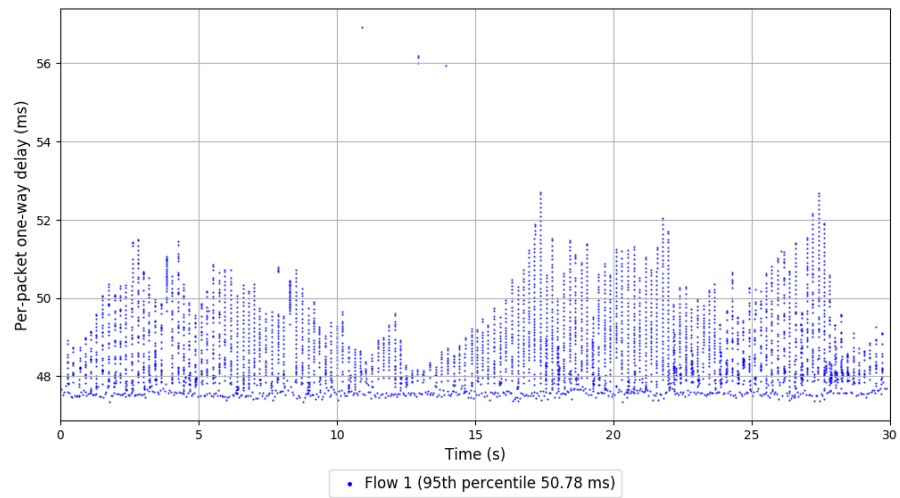
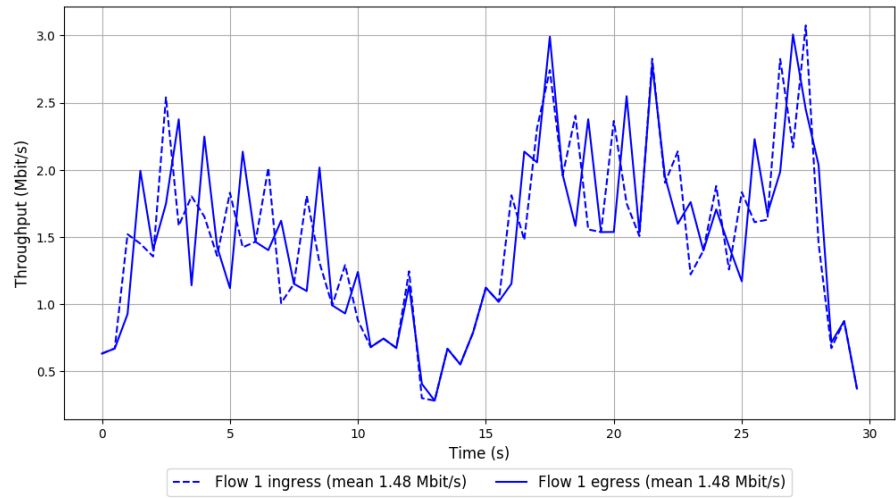
-- Flow 1:

Average throughput: 1.48 Mbit/s

95th percentile per-packet one-way delay: 50.782 ms

Loss rate: 0.00%

## Run 2: Report of Sprout — Data Link

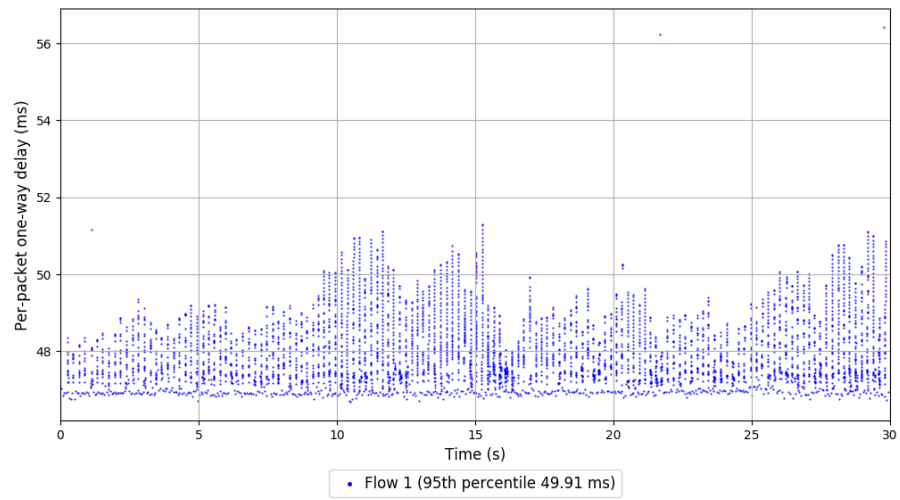
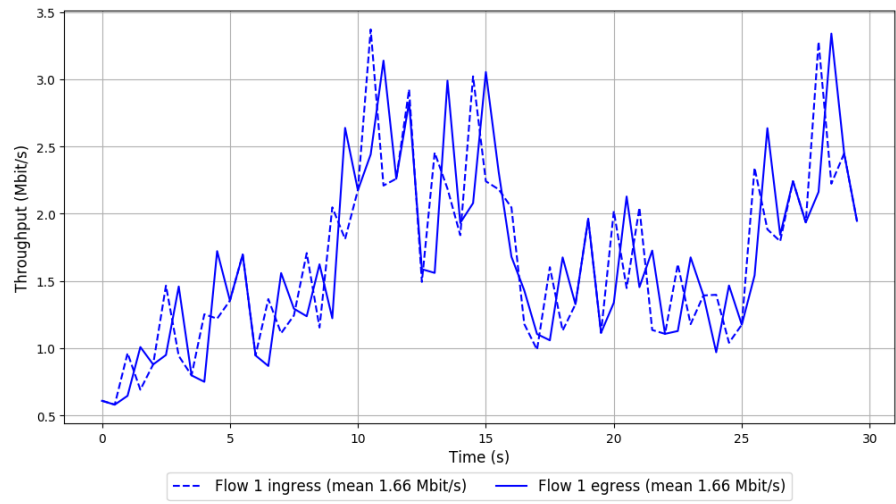


Run 3: Statistics of Sprout

Start at: 2017-08-16 22:55:31  
End at: 2017-08-16 22:56:01  
Local clock offset: 1.072 ms  
Remote clock offset: -1.248 ms

# Below is generated by plot.py at 2017-08-17 02:03:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.66 Mbit/s  
95th percentile per-packet one-way delay: 49.906 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.66 Mbit/s  
95th percentile per-packet one-way delay: 49.906 ms  
Loss rate: 0.00%

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

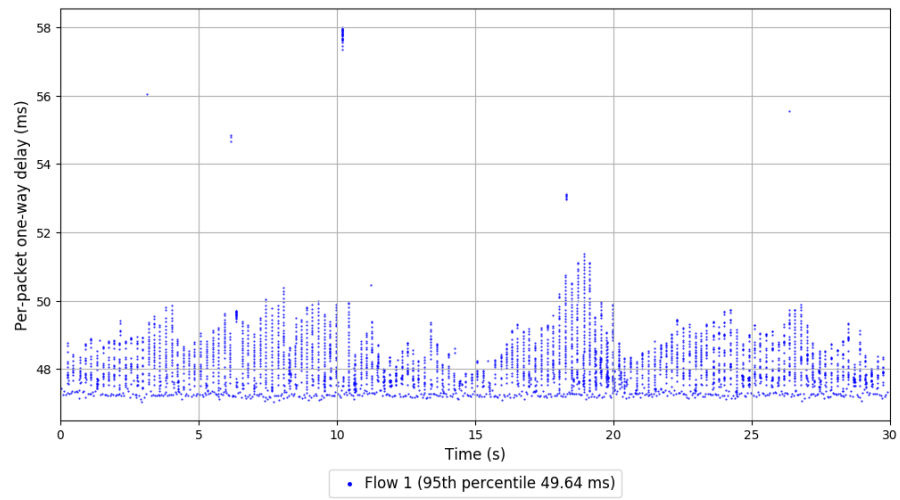
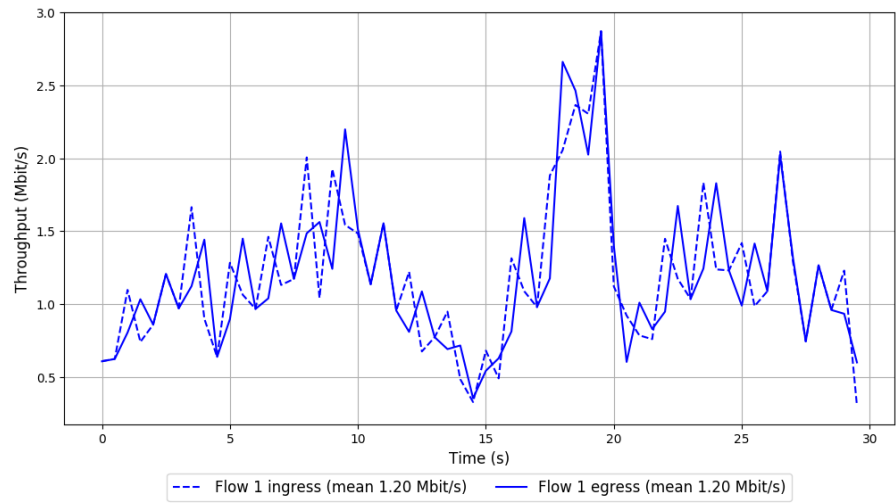


Run 4: Statistics of Sprout

Start at: 2017-08-16 23:16:59  
End at: 2017-08-16 23:17:30  
Local clock offset: 0.994 ms  
Remote clock offset: -1.249 ms

# Below is generated by plot.py at 2017-08-17 02:03:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.20 Mbit/s  
95th percentile per-packet one-way delay: 49.641 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 1.20 Mbit/s  
95th percentile per-packet one-way delay: 49.641 ms  
Loss rate: 0.03%

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



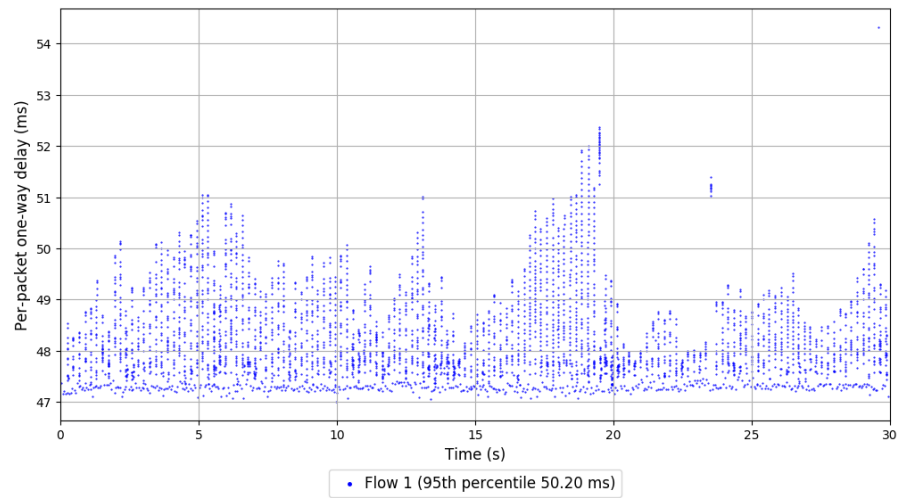
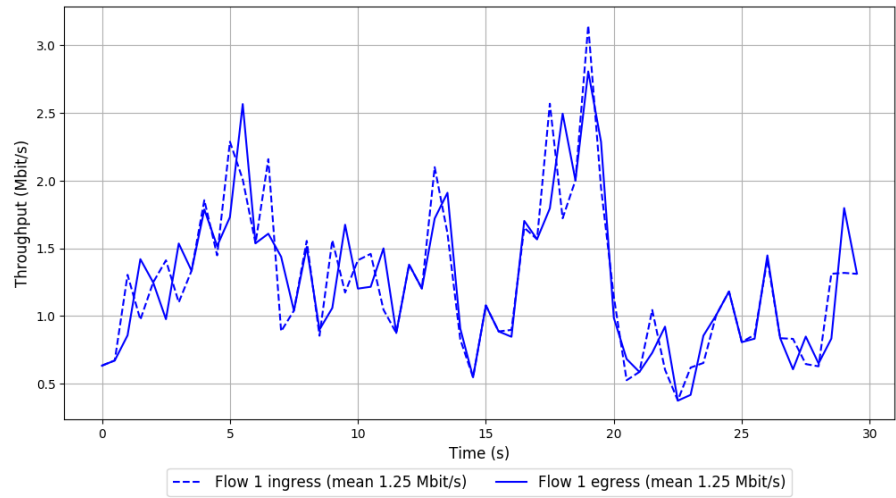
Run 5: Statistics of Sprout

Start at: 2017-08-16 23:38:24  
End at: 2017-08-16 23:38:54  
Local clock offset: 1.142 ms  
Remote clock offset: -1.434 ms

# Below is generated by plot.py at 2017-08-17 02:03:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.25 Mbit/s  
95th percentile per-packet one-way delay: 50.196 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.25 Mbit/s  
95th percentile per-packet one-way delay: 50.196 ms  
Loss rate: 0.00%



## Run 5: Report of Sprout — Data Link

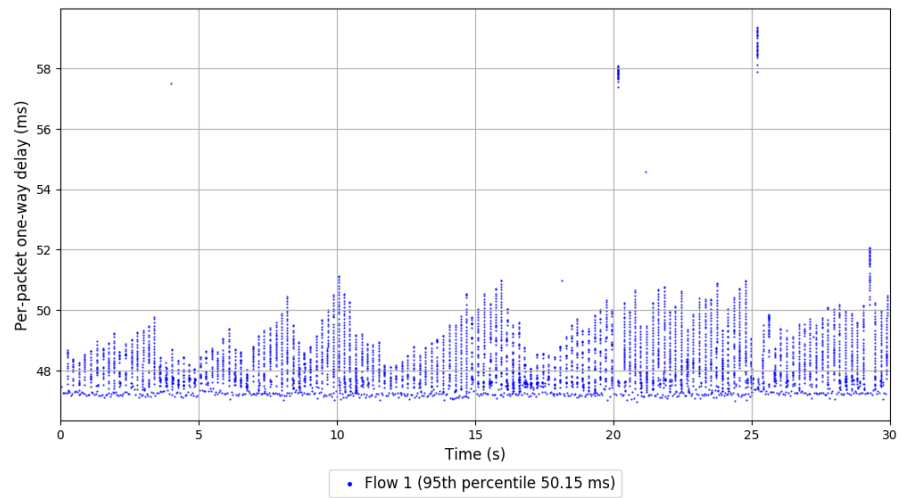
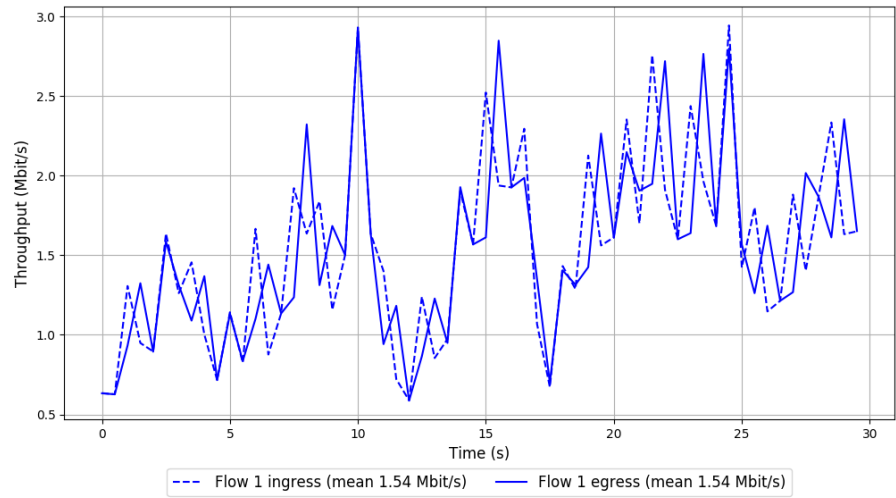


Run 6: Statistics of Sprout

Start at: 2017-08-16 23:59:23  
End at: 2017-08-16 23:59:53  
Local clock offset: 1.818 ms  
Remote clock offset: -1.513 ms

# Below is generated by plot.py at 2017-08-17 02:03:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.54 Mbit/s  
95th percentile per-packet one-way delay: 50.150 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.54 Mbit/s  
95th percentile per-packet one-way delay: 50.150 ms  
Loss rate: 0.00%

## Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2017-08-17 00:20:38

End at: 2017-08-17 00:21:08

Local clock offset: 1.715 ms

Remote clock offset: -1.63 ms

# Below is generated by plot.py at 2017-08-17 02:03:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.35 Mbit/s

95th percentile per-packet one-way delay: 50.405 ms

Loss rate: 0.00%

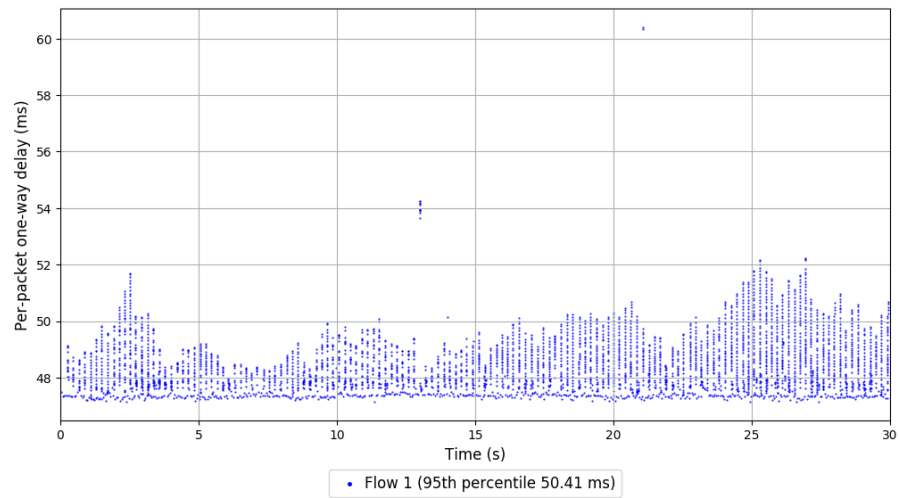
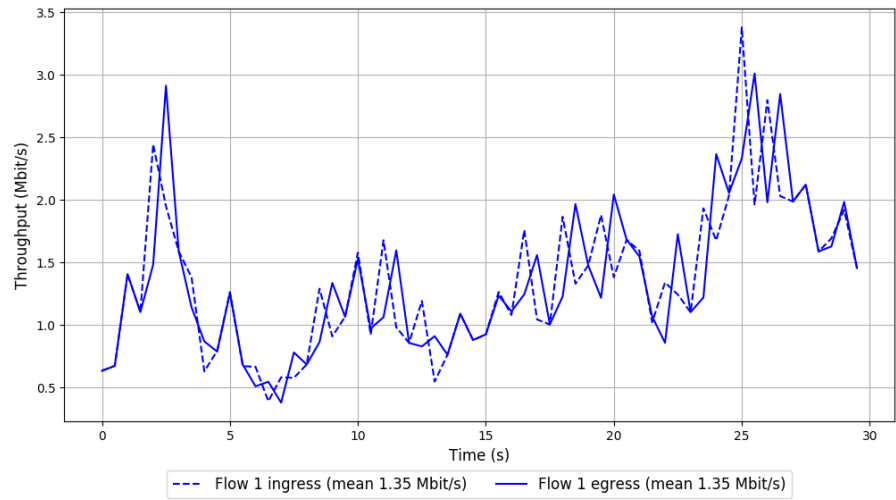
-- Flow 1:

Average throughput: 1.35 Mbit/s

95th percentile per-packet one-way delay: 50.405 ms

Loss rate: 0.00%

## Run 7: Report of Sprout — Data Link

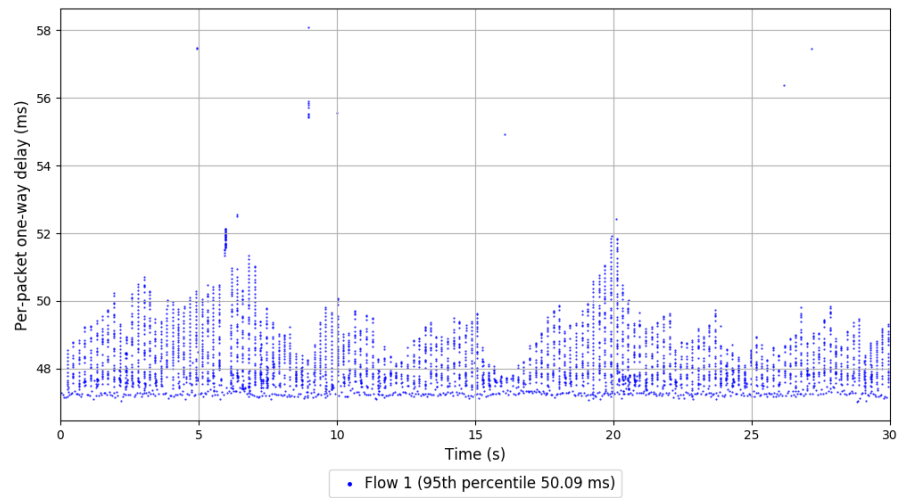
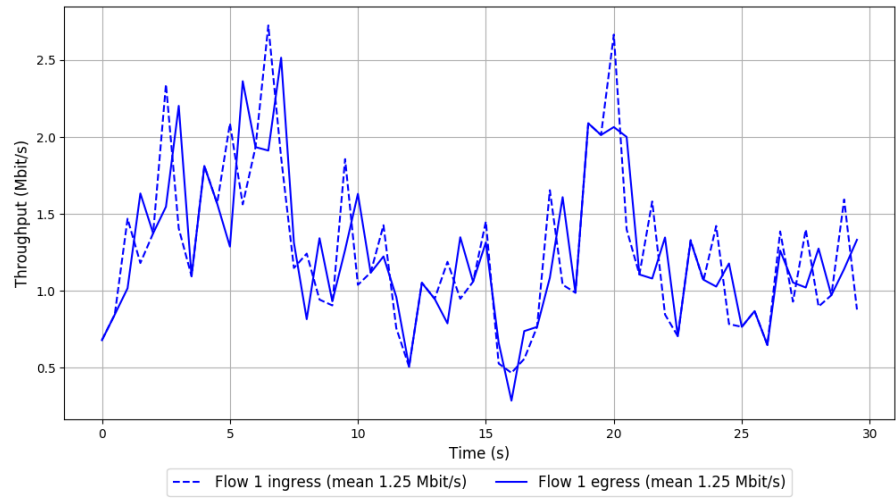


Run 8: Statistics of Sprout

Start at: 2017-08-17 00:41:58  
End at: 2017-08-17 00:42:28  
Local clock offset: 2.067 ms  
Remote clock offset: -1.773 ms

# Below is generated by plot.py at 2017-08-17 02:03:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.25 Mbit/s  
95th percentile per-packet one-way delay: 50.095 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.25 Mbit/s  
95th percentile per-packet one-way delay: 50.095 ms  
Loss rate: 0.00%

## Run 8: Report of Sprout — Data Link



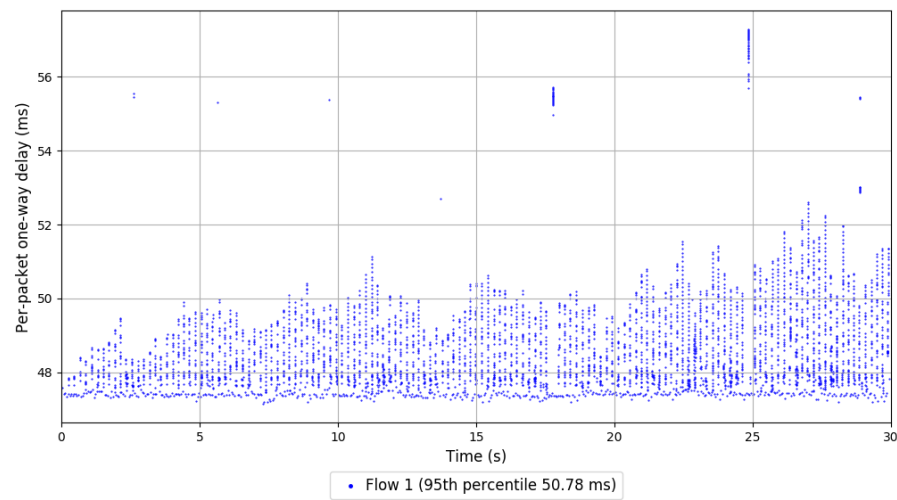
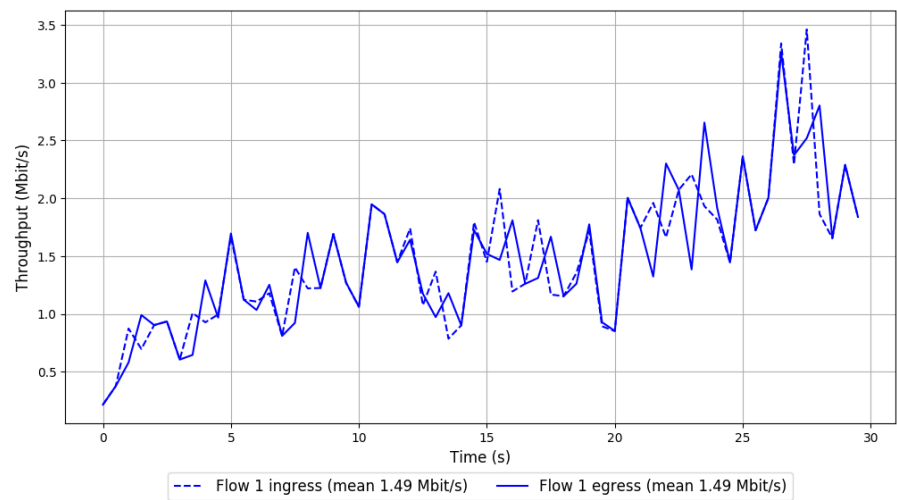
Run 9: Statistics of Sprout

Start at: 2017-08-17 01:02:30  
End at: 2017-08-17 01:03:00  
Local clock offset: 1.939 ms  
Remote clock offset: -1.524 ms

# Below is generated by plot.py at 2017-08-17 02:03:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.49 Mbit/s  
95th percentile per-packet one-way delay: 50.777 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.49 Mbit/s  
95th percentile per-packet one-way delay: 50.777 ms  
Loss rate: 0.00%



Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2017-08-17 01:23:56

End at: 2017-08-17 01:24:26

Local clock offset: 1.78 ms

Remote clock offset: -1.554 ms

# Below is generated by plot.py at 2017-08-17 02:03:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 50.175 ms

Loss rate: 0.00%

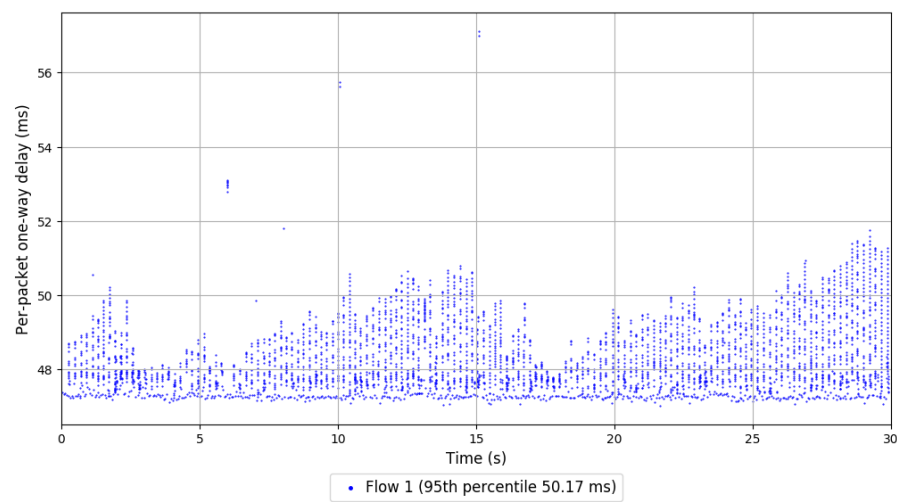
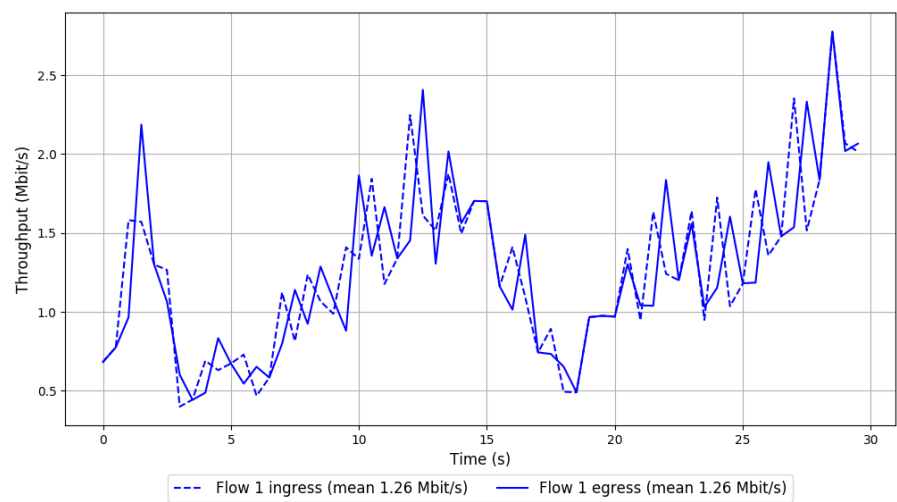
-- Flow 1:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 50.175 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

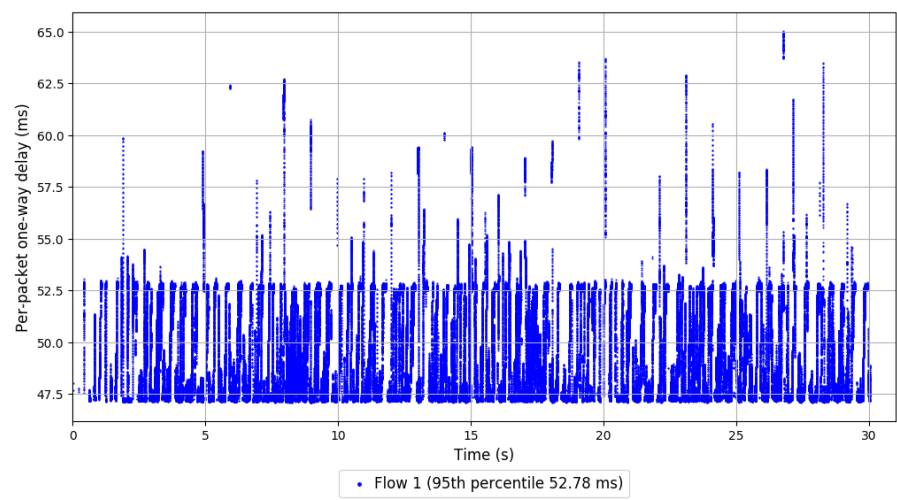
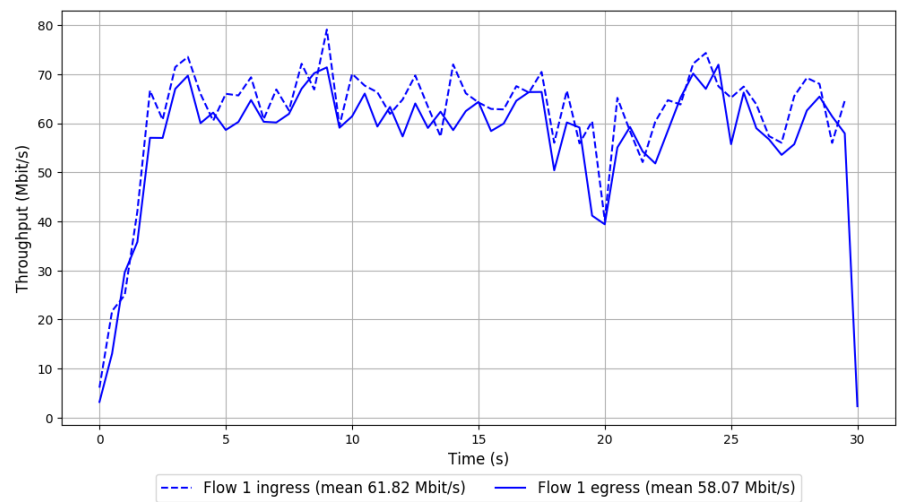


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-08-16 22:06:12
End at: 2017-08-16 22:06:42
Local clock offset: 0.238 ms
Remote clock offset: -0.526 ms

# Below is generated by plot.py at 2017-08-17 02:03:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.07 Mbit/s
95th percentile per-packet one-way delay: 52.780 ms
Loss rate: 6.07%
-- Flow 1:
Average throughput: 58.07 Mbit/s
95th percentile per-packet one-way delay: 52.780 ms
Loss rate: 6.07%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2017-08-16 22:28:11

End at: 2017-08-16 22:28:41

Local clock offset: 0.39 ms

Remote clock offset: -0.81 ms

# Below is generated by plot.py at 2017-08-17 02:03:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 49.70 Mbit/s

95th percentile per-packet one-way delay: 53.106 ms

Loss rate: 5.54%

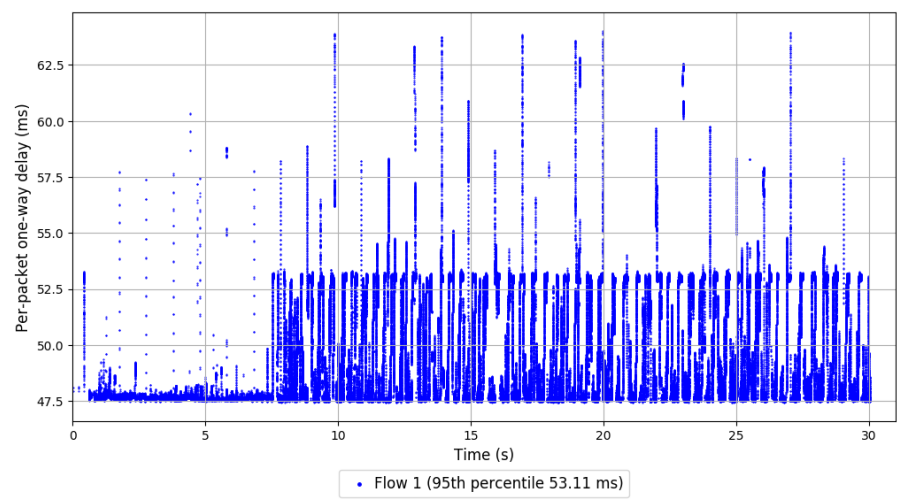
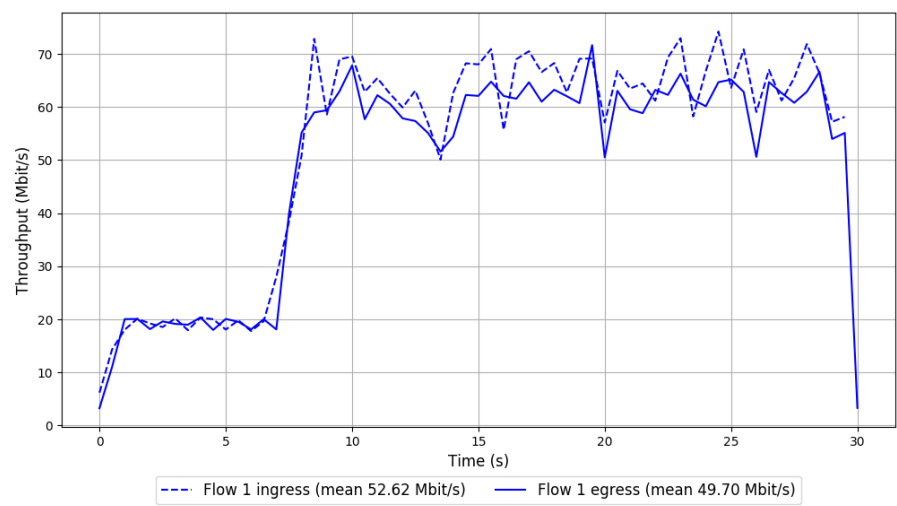
-- Flow 1:

Average throughput: 49.70 Mbit/s

95th percentile per-packet one-way delay: 53.106 ms

Loss rate: 5.54%

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



Run 3: Statistics of TaoVA-100x

Start at: 2017-08-16 22:49:48

End at: 2017-08-16 22:50:18

Local clock offset: 0.709 ms

Remote clock offset: -1.152 ms

# Below is generated by plot.py at 2017-08-17 02:04:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.04 Mbit/s

95th percentile per-packet one-way delay: 52.813 ms

Loss rate: 5.63%

-- Flow 1:

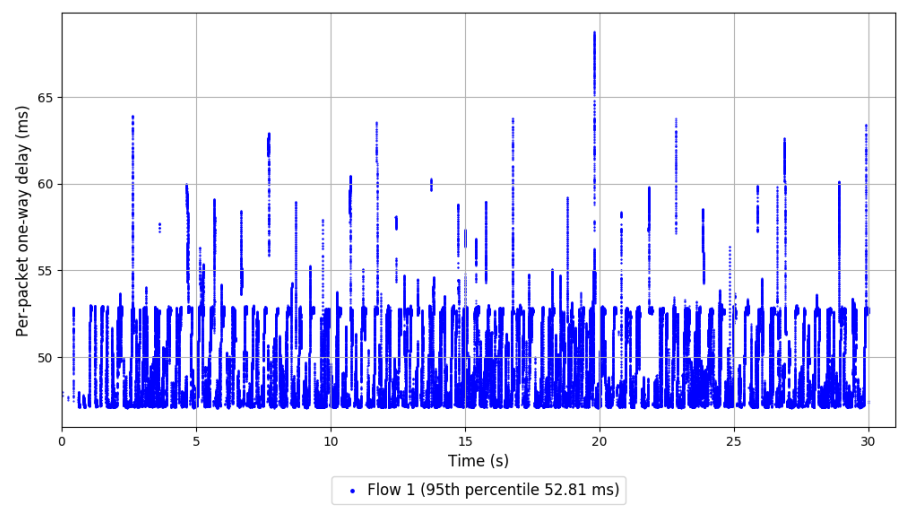
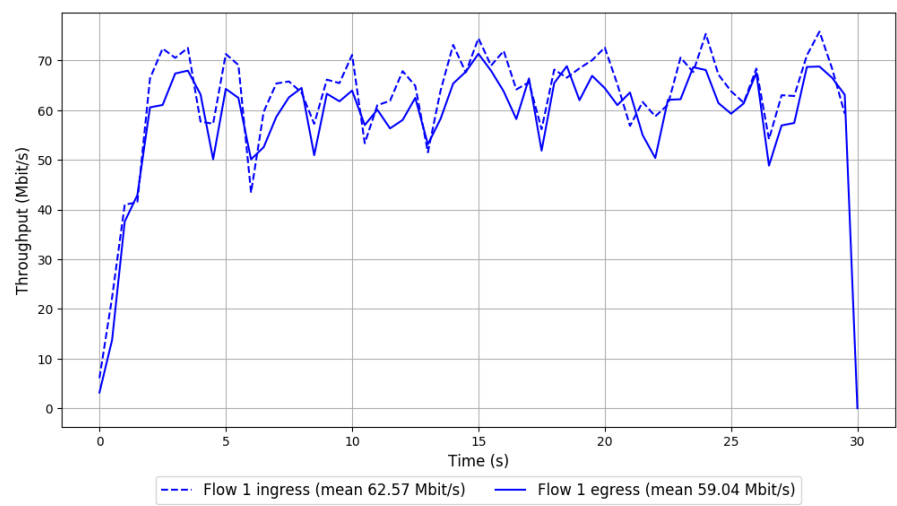
Average throughput: 59.04 Mbit/s

95th percentile per-packet one-way delay: 52.813 ms

Loss rate: 5.63%



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



Run 4: Statistics of TaoVA-100x

Start at: 2017-08-16 23:11:14

End at: 2017-08-16 23:11:44

Local clock offset: 0.896 ms

Remote clock offset: -1.314 ms

# Below is generated by plot.py at 2017-08-17 02:04:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.23 Mbit/s

95th percentile per-packet one-way delay: 53.042 ms

Loss rate: 5.60%

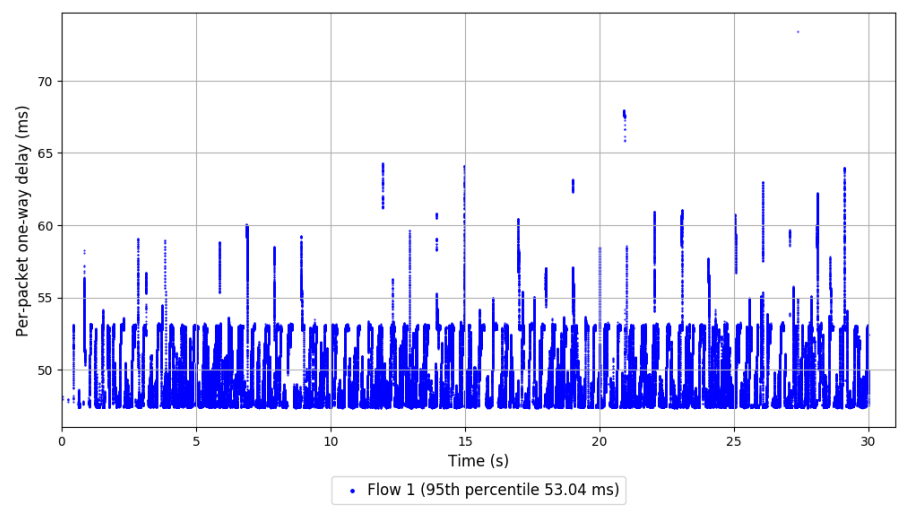
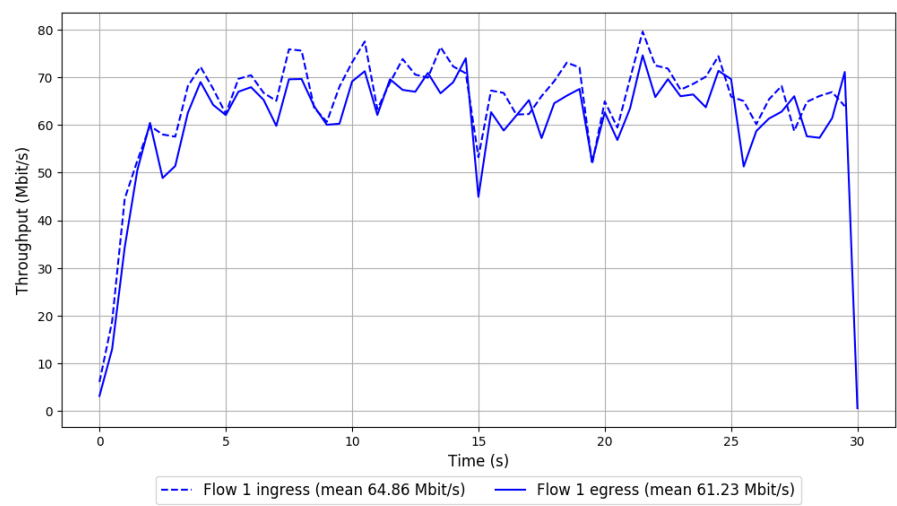
-- Flow 1:

Average throughput: 61.23 Mbit/s

95th percentile per-packet one-way delay: 53.042 ms

Loss rate: 5.60%

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



Run 5: Statistics of TaoVA-100x

Start at: 2017-08-16 23:32:22

End at: 2017-08-16 23:32:52

Local clock offset: 1.423 ms

Remote clock offset: -1.342 ms

# Below is generated by plot.py at 2017-08-17 02:04:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.35 Mbit/s

95th percentile per-packet one-way delay: 52.480 ms

Loss rate: 5.68%

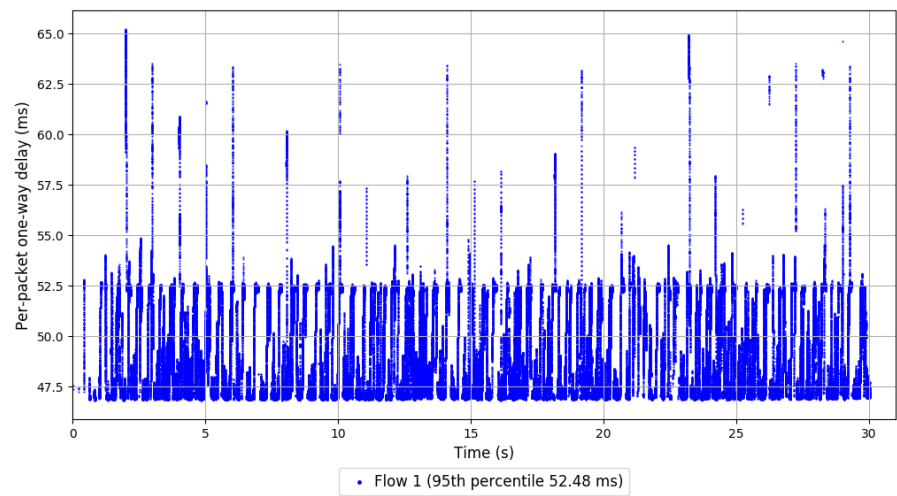
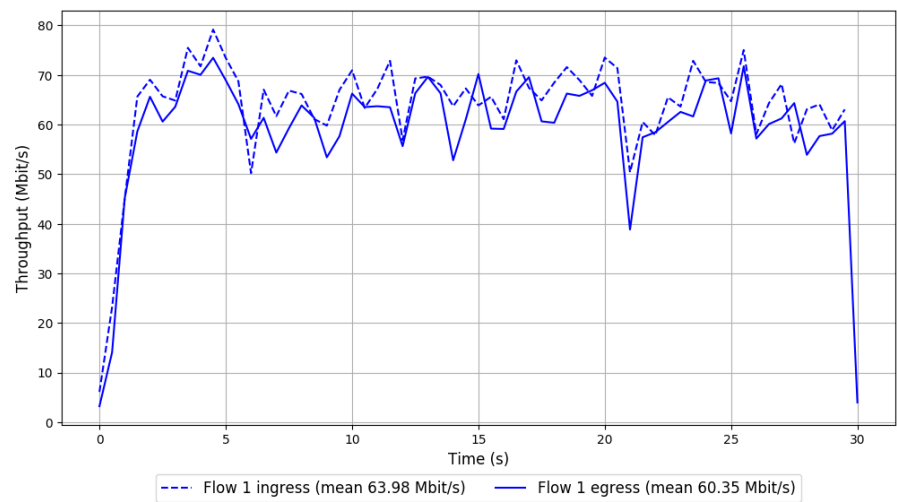
-- Flow 1:

Average throughput: 60.35 Mbit/s

95th percentile per-packet one-way delay: 52.480 ms

Loss rate: 5.68%

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



Run 6: Statistics of TaoVA-100x

Start at: 2017-08-16 23:53:50

End at: 2017-08-16 23:54:20

Local clock offset: 1.464 ms

Remote clock offset: -1.464 ms

# Below is generated by plot.py at 2017-08-17 02:04:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.49 Mbit/s

95th percentile per-packet one-way delay: 52.798 ms

Loss rate: 5.56%

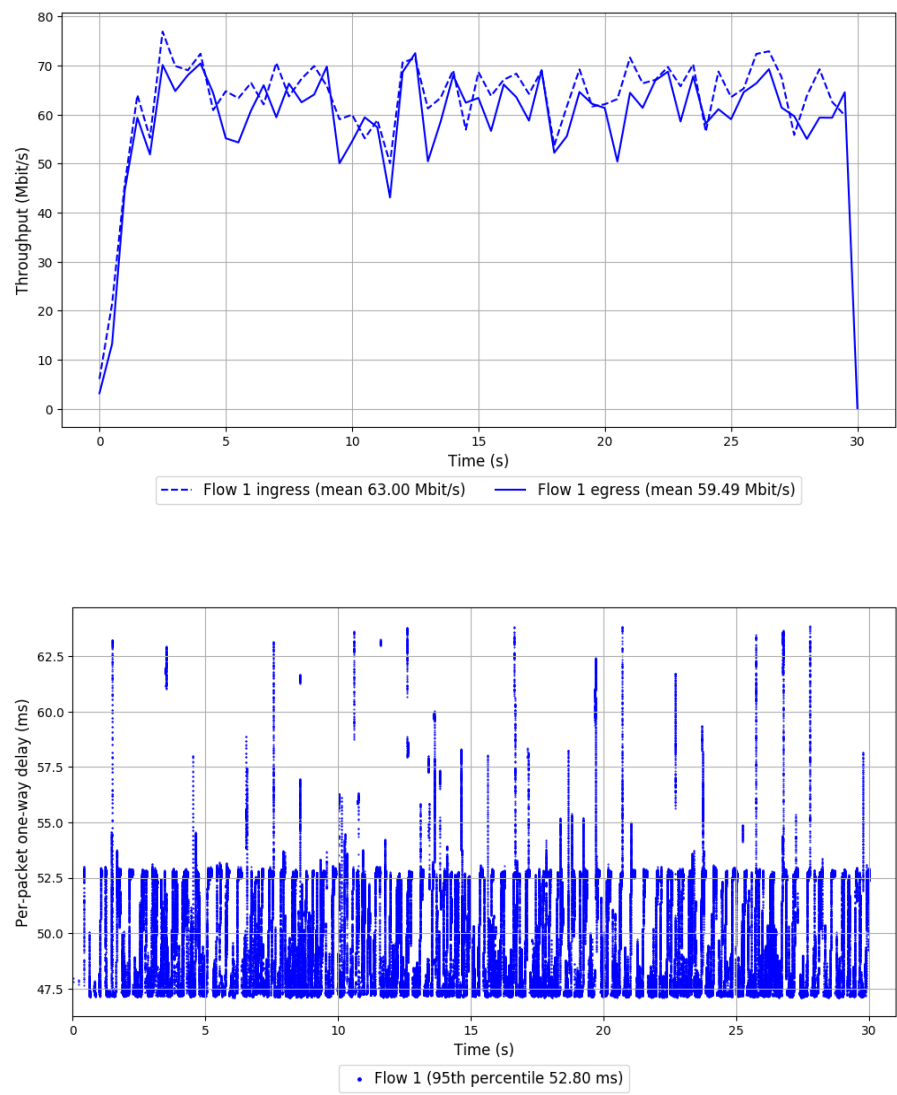
-- Flow 1:

Average throughput: 59.49 Mbit/s

95th percentile per-packet one-way delay: 52.798 ms

Loss rate: 5.56%

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



Run 7: Statistics of TaoVA-100x

Start at: 2017-08-17 00:14:43

End at: 2017-08-17 00:15:13

Local clock offset: 1.764 ms

Remote clock offset: -1.601 ms

# Below is generated by plot.py at 2017-08-17 02:04:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.04 Mbit/s

95th percentile per-packet one-way delay: 52.812 ms

Loss rate: 5.23%

-- Flow 1:

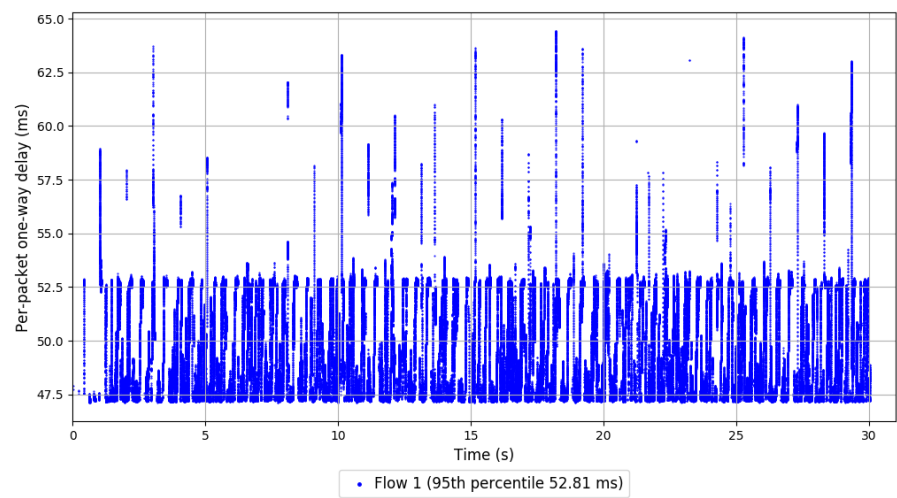
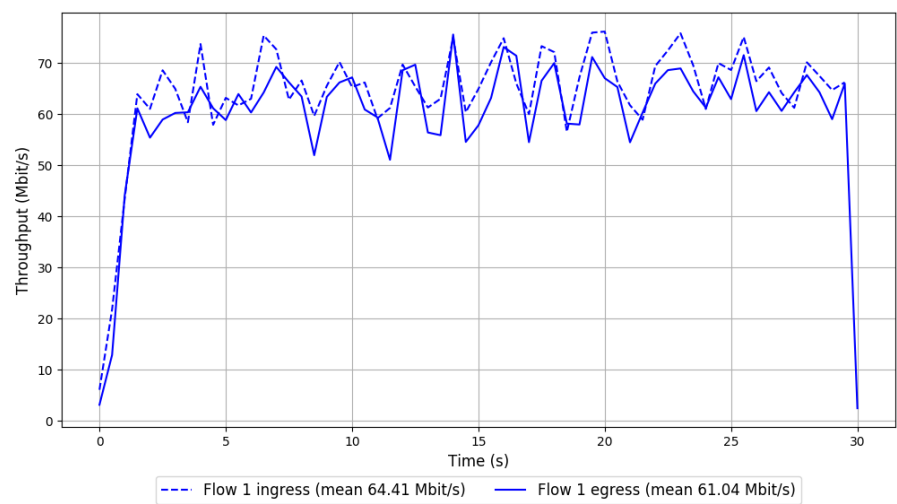
Average throughput: 61.04 Mbit/s

95th percentile per-packet one-way delay: 52.812 ms

Loss rate: 5.23%



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



Run 8: Statistics of TaoVA-100x

Start at: 2017-08-17 00:36:06

End at: 2017-08-17 00:36:36

Local clock offset: 1.969 ms

Remote clock offset: -1.758 ms

# Below is generated by plot.py at 2017-08-17 02:04:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.00 Mbit/s

95th percentile per-packet one-way delay: 53.166 ms

Loss rate: 5.75%

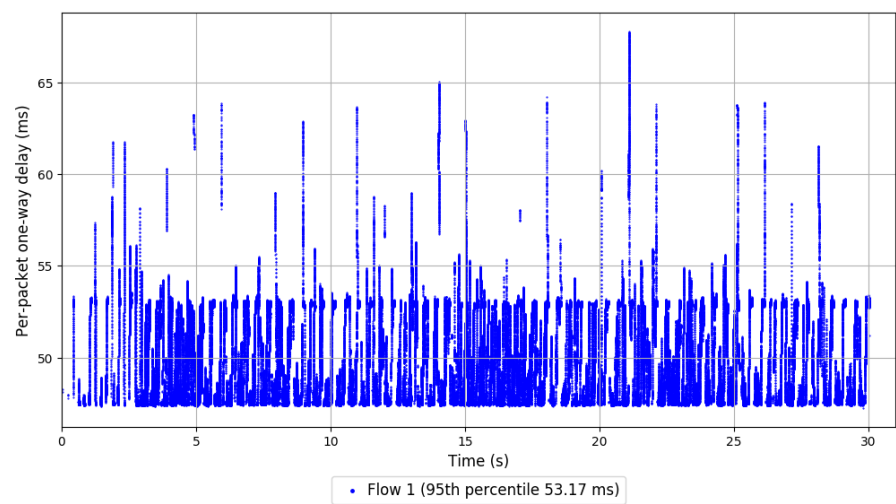
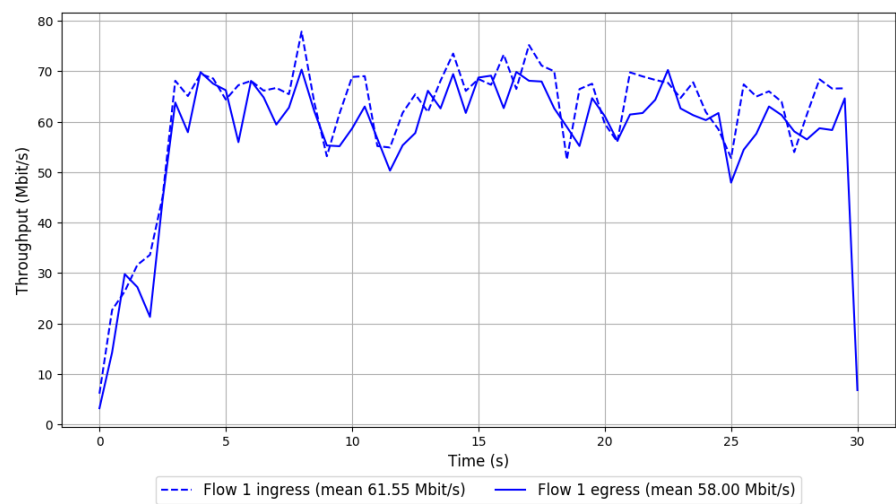
-- Flow 1:

Average throughput: 58.00 Mbit/s

95th percentile per-packet one-way delay: 53.166 ms

Loss rate: 5.75%

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



Run 9: Statistics of TaoVA-100x

Start at: 2017-08-17 00:56:55

End at: 2017-08-17 00:57:25

Local clock offset: 1.998 ms

Remote clock offset: -1.694 ms

# Below is generated by plot.py at 2017-08-17 02:04:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 45.26 Mbit/s

95th percentile per-packet one-way delay: 53.064 ms

Loss rate: 5.49%

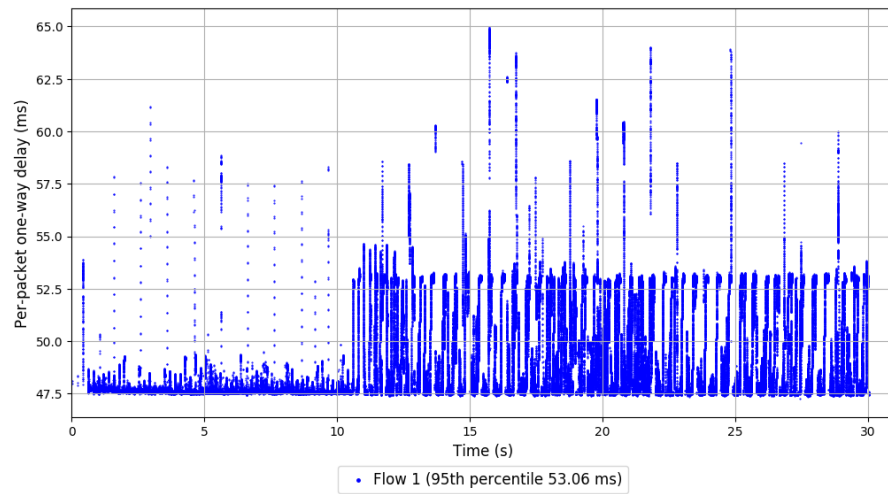
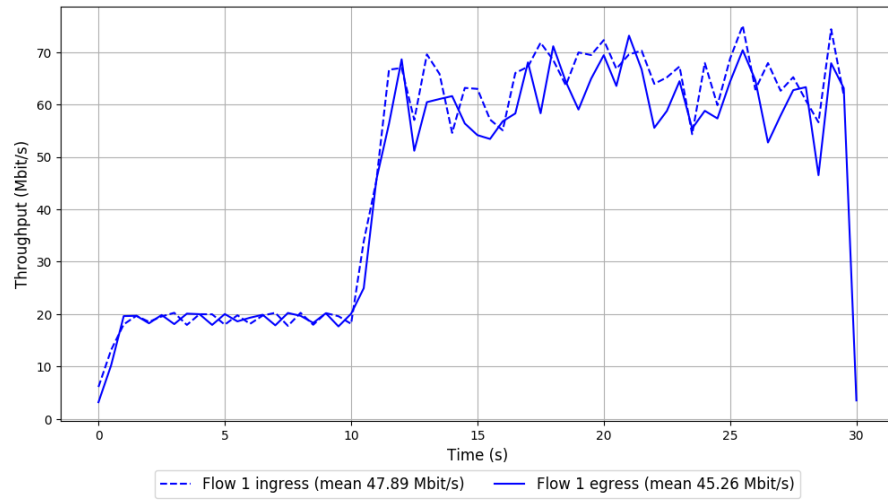
-- Flow 1:

Average throughput: 45.26 Mbit/s

95th percentile per-packet one-way delay: 53.064 ms

Loss rate: 5.49%

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



Run 10: Statistics of TaoVA-100x

Start at: 2017-08-17 01:17:51

End at: 2017-08-17 01:18:21

Local clock offset: 1.807 ms

Remote clock offset: -1.583 ms

# Below is generated by plot.py at 2017-08-17 02:04:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.90 Mbit/s

95th percentile per-packet one-way delay: 52.917 ms

Loss rate: 6.33%

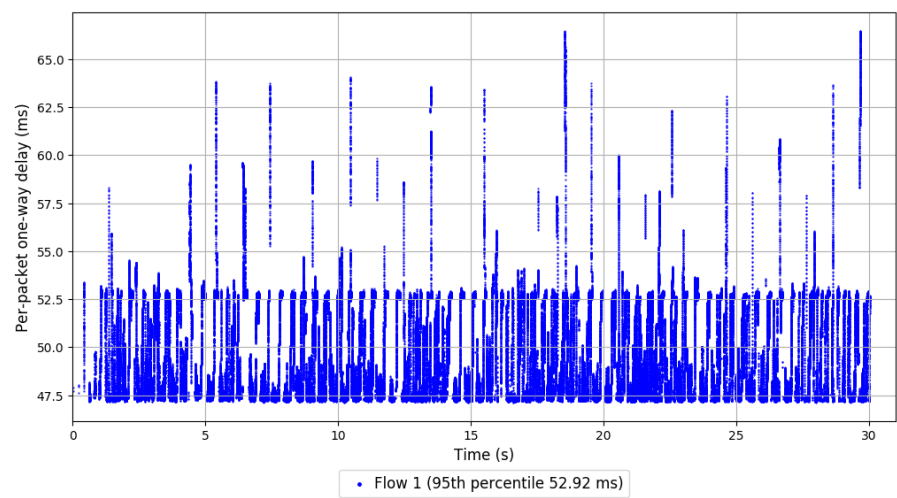
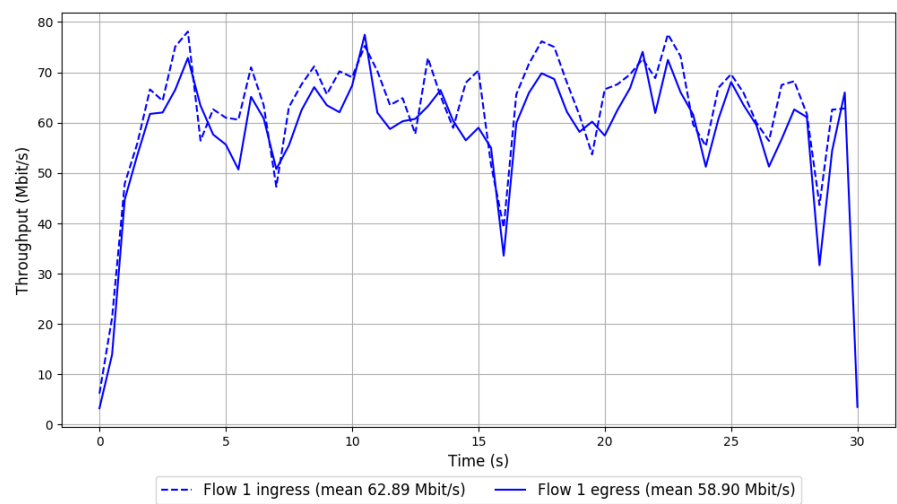
-- Flow 1:

Average throughput: 58.90 Mbit/s

95th percentile per-packet one-way delay: 52.917 ms

Loss rate: 6.33%

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



Run 1: Statistics of TCP Vegas

Start at: 2017-08-16 22:14:36

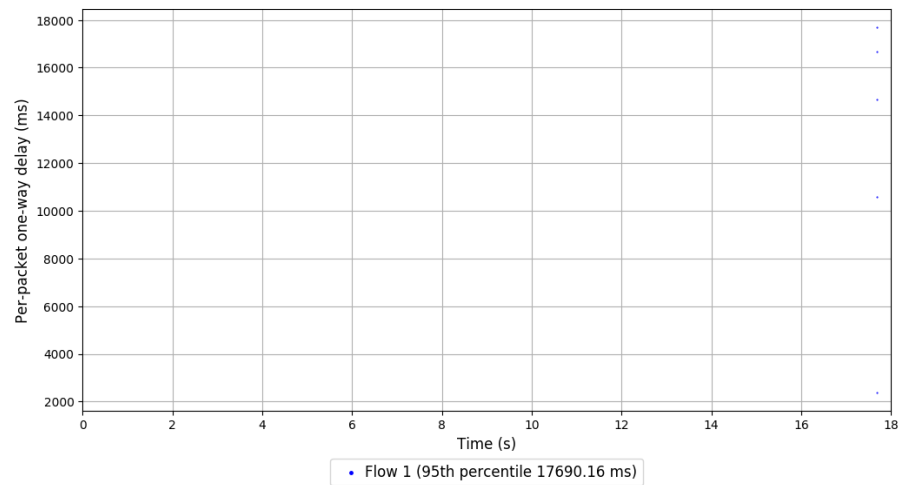
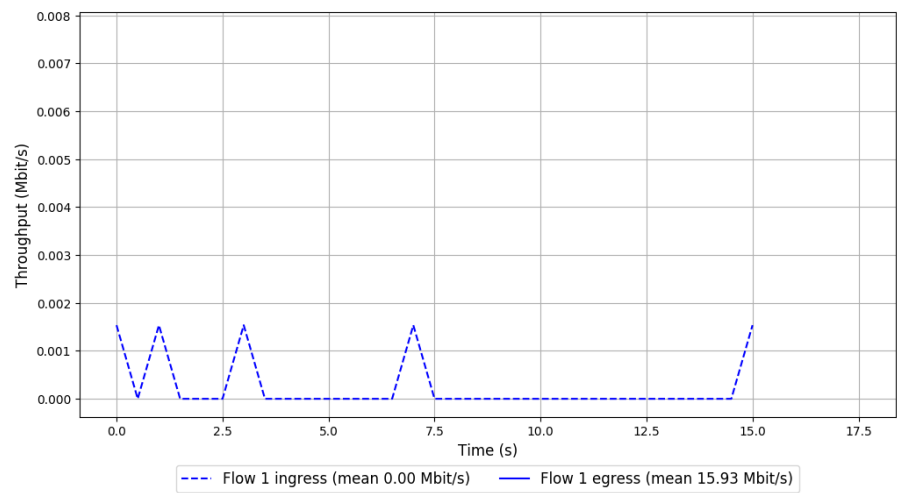
End at: 2017-08-16 22:15:06

Local clock offset: 0.302 ms

Remote clock offset: -0.617 ms



Run 1: Report of TCP Vegas — Data Link

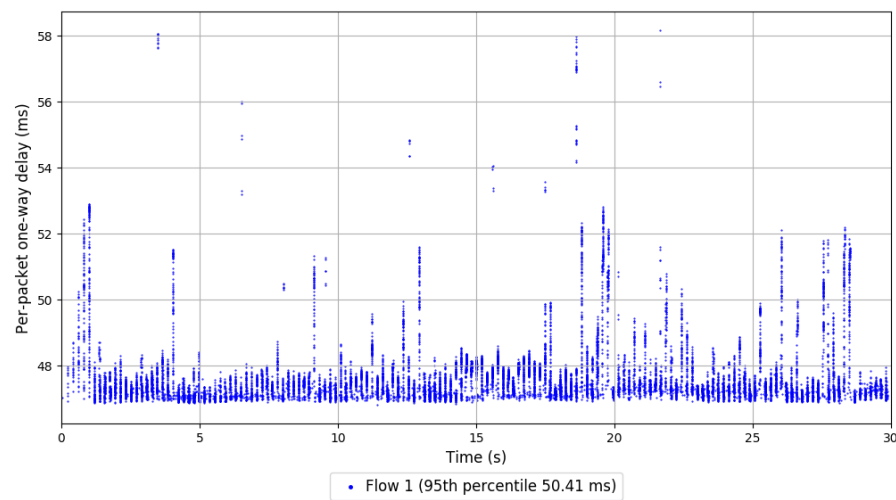
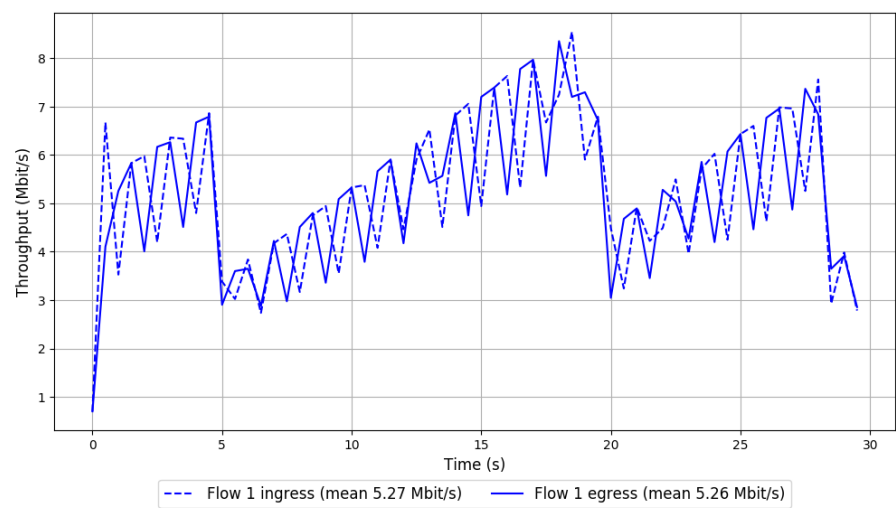


Run 2: Statistics of TCP Vegas

Start at: 2017-08-16 22:36:33  
End at: 2017-08-16 22:37:03  
Local clock offset: 0.818 ms  
Remote clock offset: -0.996 ms

# Below is generated by plot.py at 2017-08-17 02:04:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 5.26 Mbit/s  
95th percentile per-packet one-way delay: 50.409 ms  
Loss rate: 0.30%  
-- Flow 1:  
Average throughput: 5.26 Mbit/s  
95th percentile per-packet one-way delay: 50.409 ms  
Loss rate: 0.30%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

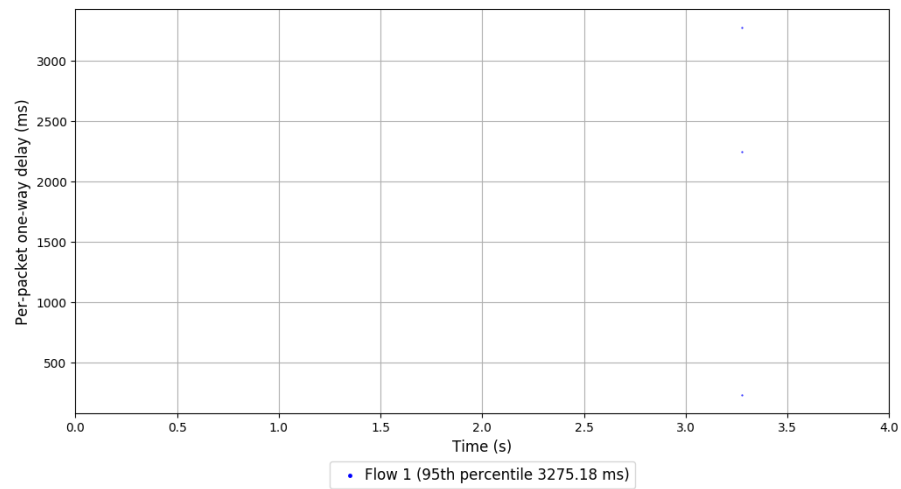
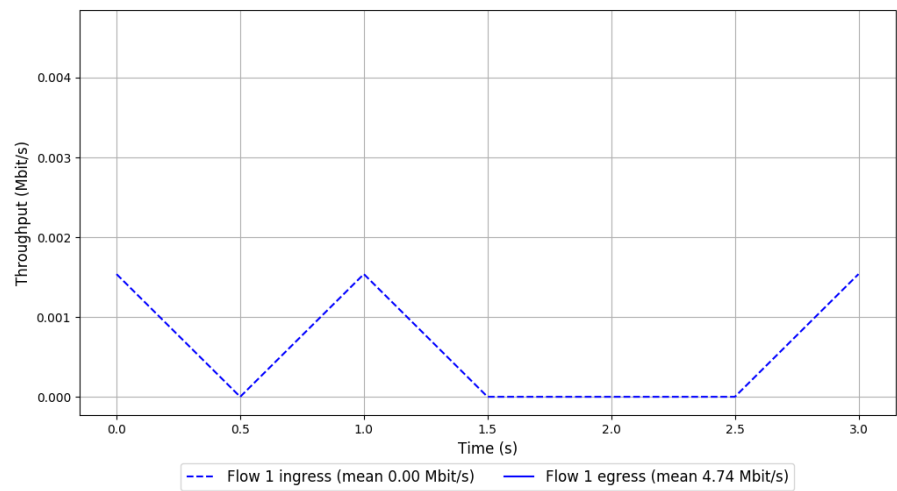
Start at: 2017-08-16 22:58:00

End at: 2017-08-16 22:58:30

Local clock offset: 0.815 ms

Remote clock offset: -1.307 ms

Run 3: Report of TCP Vegas — Data Link

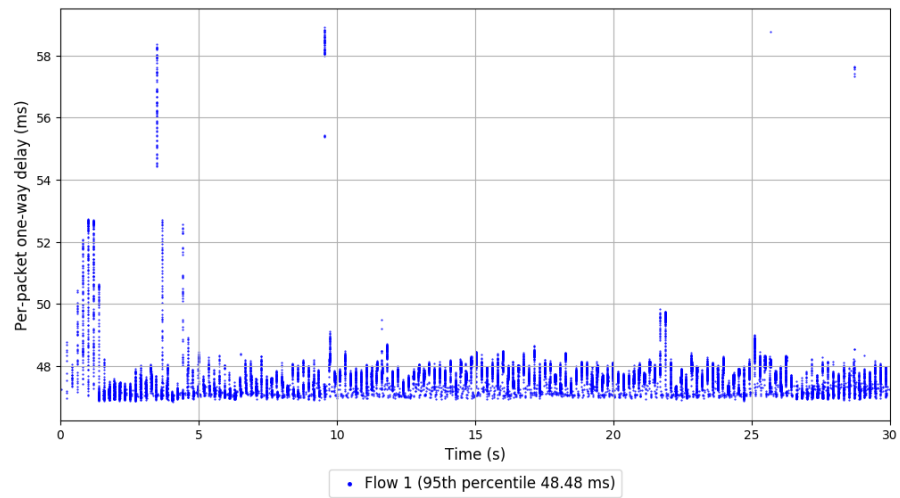
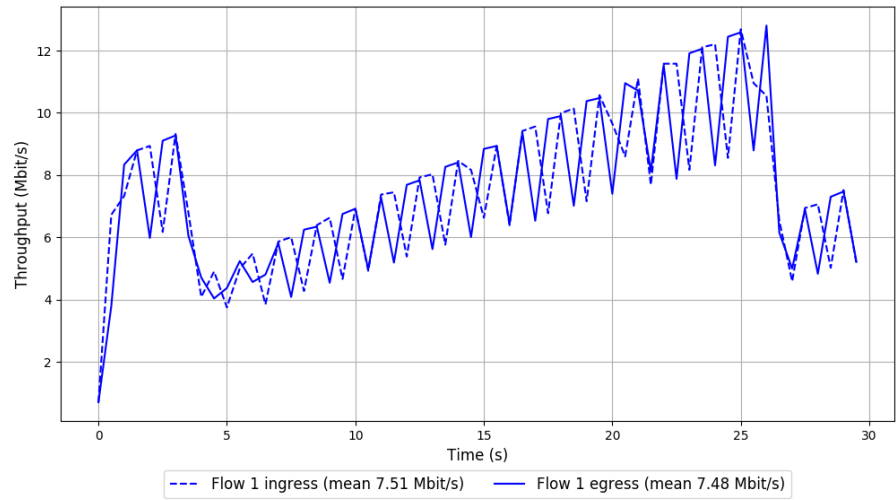


Run 4: Statistics of TCP Vegas

Start at: 2017-08-16 23:19:24  
End at: 2017-08-16 23:19:54  
Local clock offset: 1.265 ms  
Remote clock offset: -1.323 ms

# Below is generated by plot.py at 2017-08-17 02:04:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.48 Mbit/s  
95th percentile per-packet one-way delay: 48.481 ms  
Loss rate: 0.46%  
-- Flow 1:  
Average throughput: 7.48 Mbit/s  
95th percentile per-packet one-way delay: 48.481 ms  
Loss rate: 0.46%

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



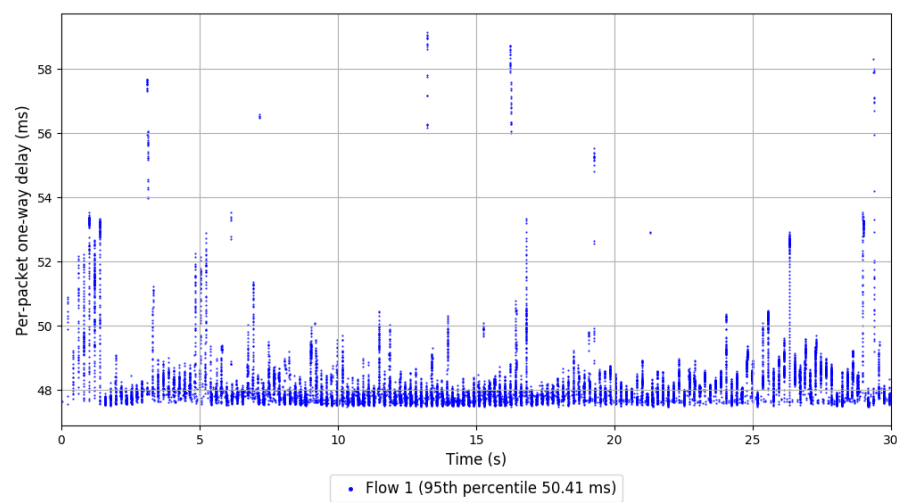
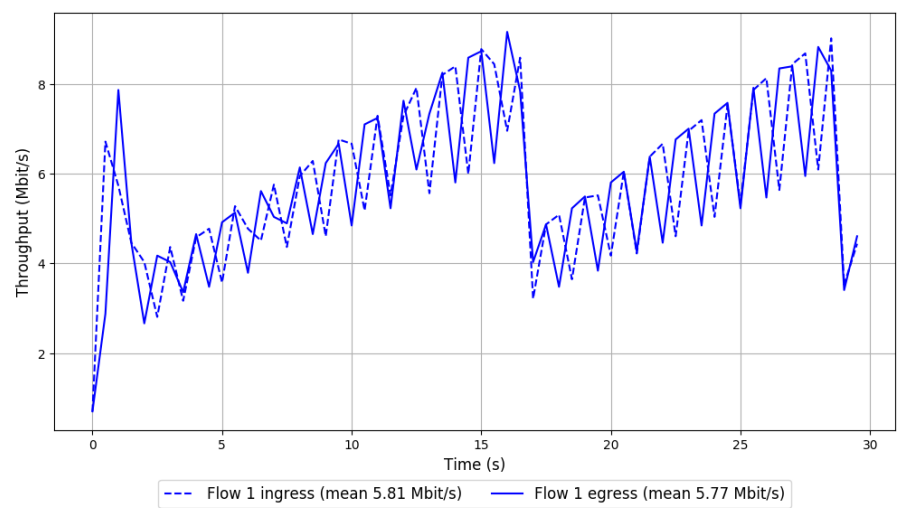
Run 5: Statistics of TCP Vegas

Start at: 2017-08-16 23:40:53  
End at: 2017-08-16 23:41:23  
Local clock offset: 1.277 ms  
Remote clock offset: -1.312 ms

# Below is generated by plot.py at 2017-08-17 02:04:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 5.77 Mbit/s  
95th percentile per-packet one-way delay: 50.414 ms  
Loss rate: 0.70%  
-- Flow 1:  
Average throughput: 5.77 Mbit/s  
95th percentile per-packet one-way delay: 50.414 ms  
Loss rate: 0.70%



Run 5: Report of TCP Vegas — Data Link

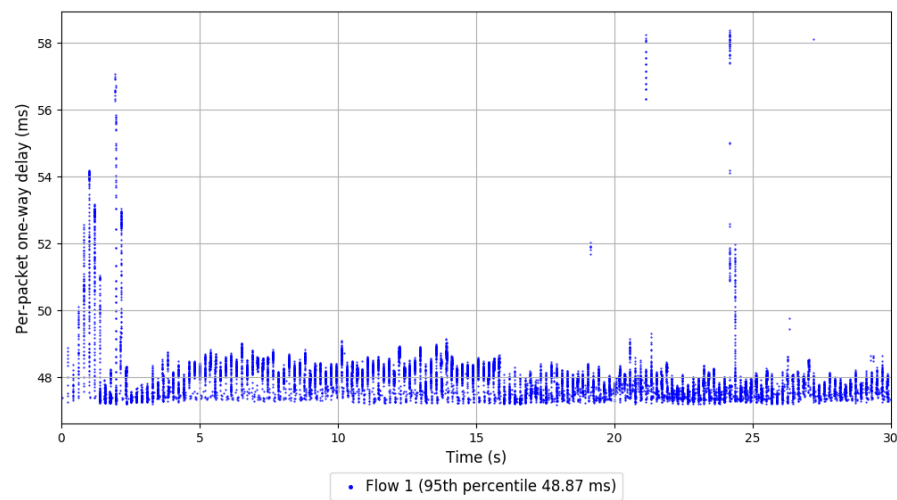
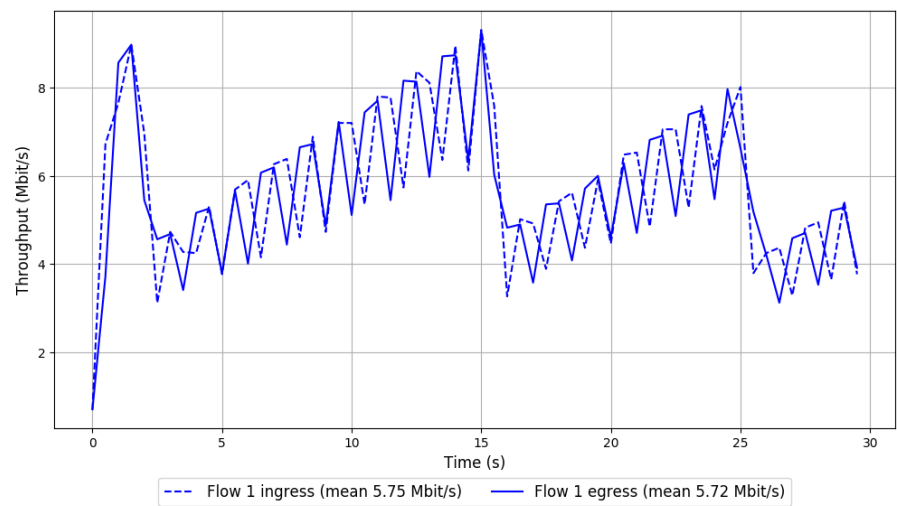


Run 6: Statistics of TCP Vegas

Start at: 2017-08-17 00:01:47  
End at: 2017-08-17 00:02:17  
Local clock offset: 1.523 ms  
Remote clock offset: -1.567 ms

# Below is generated by plot.py at 2017-08-17 02:04:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 5.72 Mbit/s  
95th percentile per-packet one-way delay: 48.872 ms  
Loss rate: 0.64%  
-- Flow 1:  
Average throughput: 5.72 Mbit/s  
95th percentile per-packet one-way delay: 48.872 ms  
Loss rate: 0.64%

Run 6: Report of TCP Vegas — Data Link

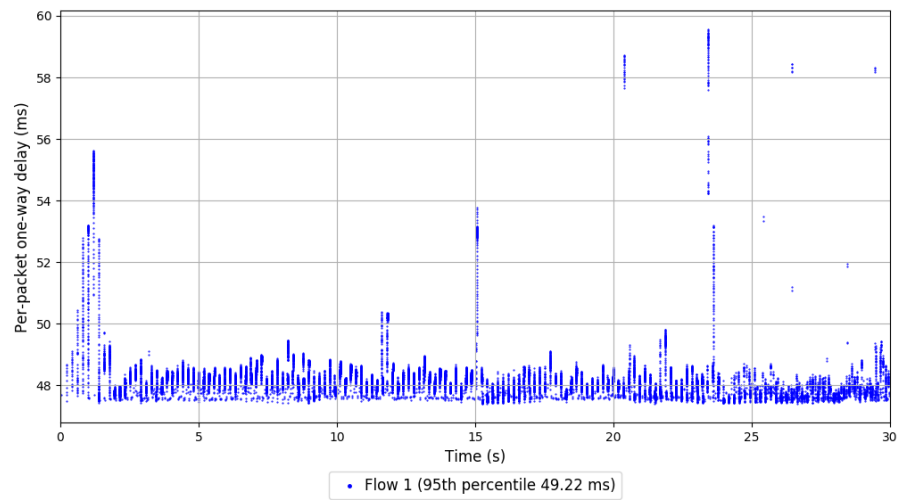
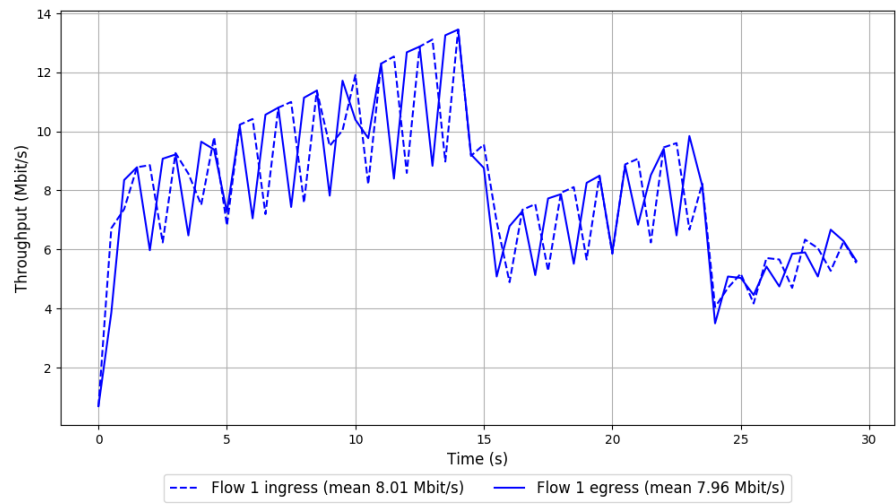


Run 7: Statistics of TCP Vegas

Start at: 2017-08-17 00:23:12  
End at: 2017-08-17 00:23:42  
Local clock offset: 1.857 ms  
Remote clock offset: -1.672 ms

# Below is generated by plot.py at 2017-08-17 02:04:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.96 Mbit/s  
95th percentile per-packet one-way delay: 49.218 ms  
Loss rate: 0.56%  
-- Flow 1:  
Average throughput: 7.96 Mbit/s  
95th percentile per-packet one-way delay: 49.218 ms  
Loss rate: 0.56%

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



Run 8: Statistics of TCP Vegas

Start at: 2017-08-17 00:44:23

End at: 2017-08-17 00:44:53

Local clock offset: 1.993 ms

Remote clock offset: -1.73 ms

# Below is generated by plot.py at 2017-08-17 02:04:51

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.53 Mbit/s

95th percentile per-packet one-way delay: 49.777 ms

Loss rate: 0.65%

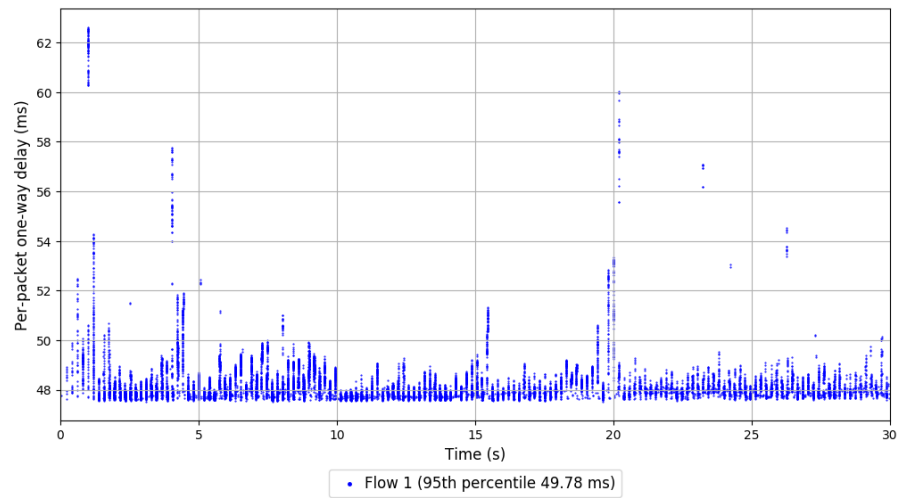
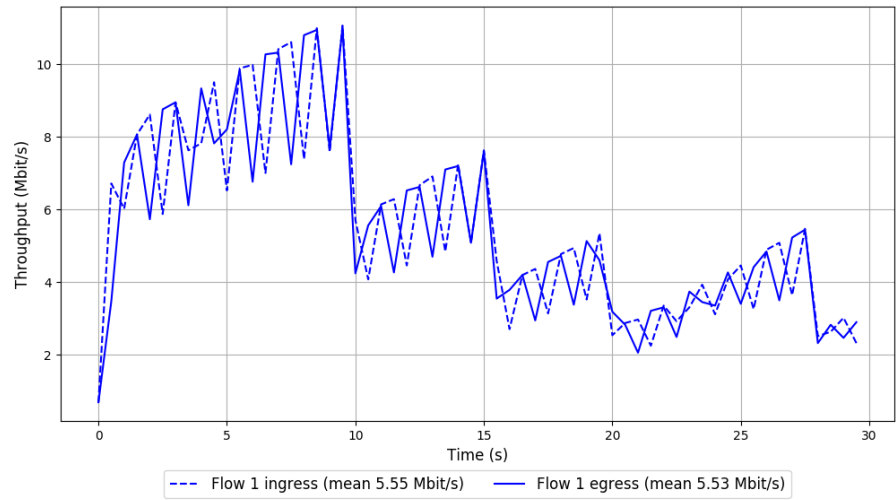
-- Flow 1:

Average throughput: 5.53 Mbit/s

95th percentile per-packet one-way delay: 49.777 ms

Loss rate: 0.65%

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



Run 9: Statistics of TCP Vegas

Start at: 2017-08-17 01:04:59

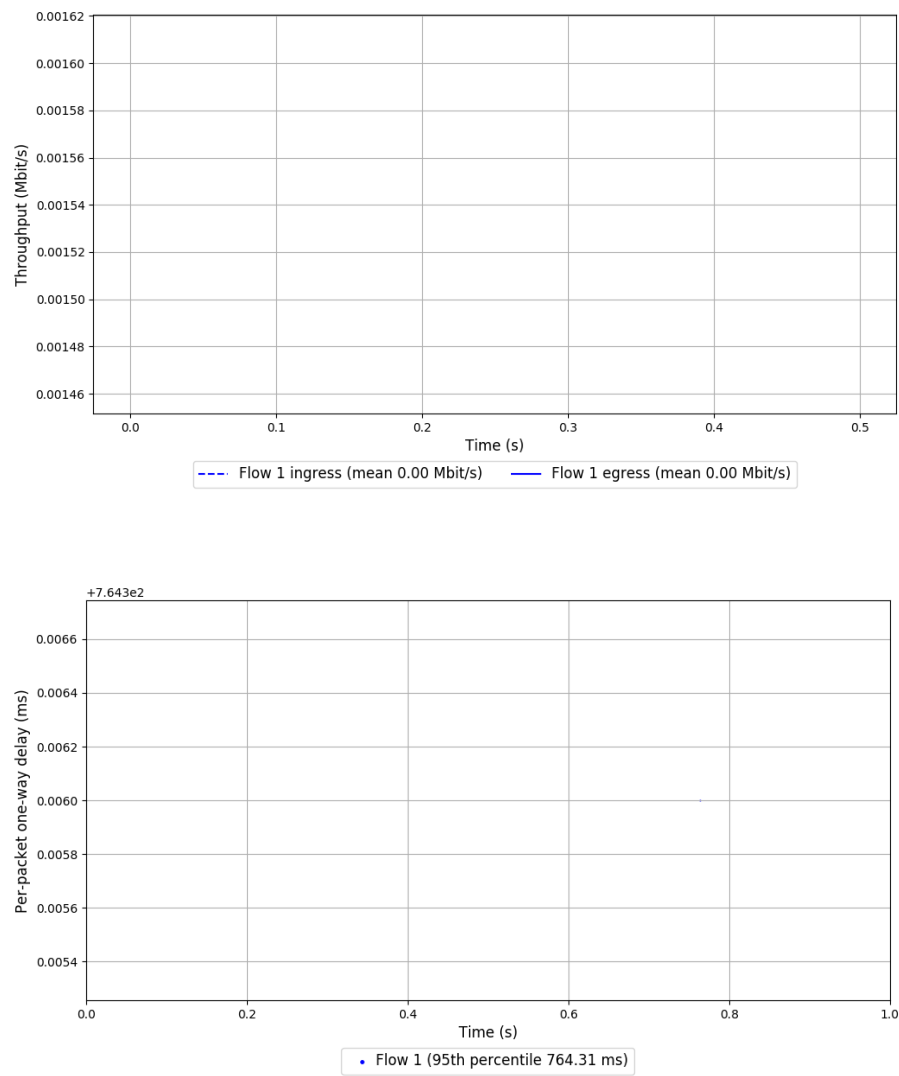
End at: 2017-08-17 01:05:29

Local clock offset: 1.927 ms

Remote clock offset: -1.657 ms



Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

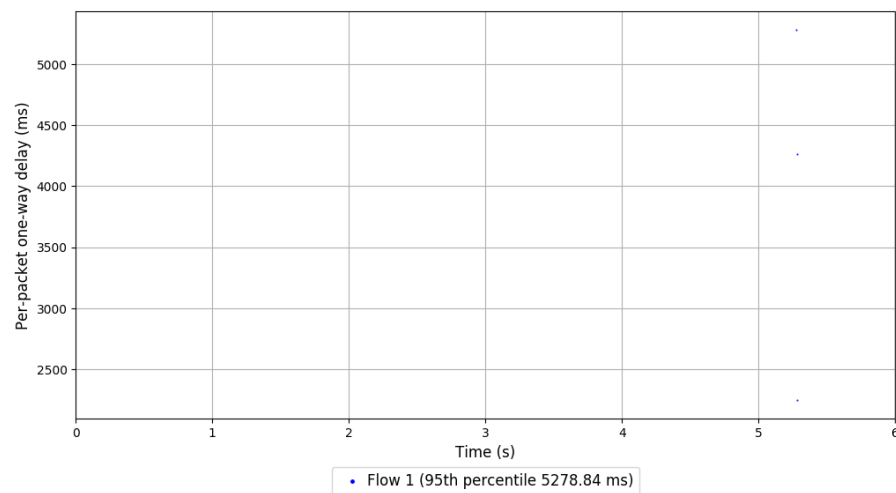
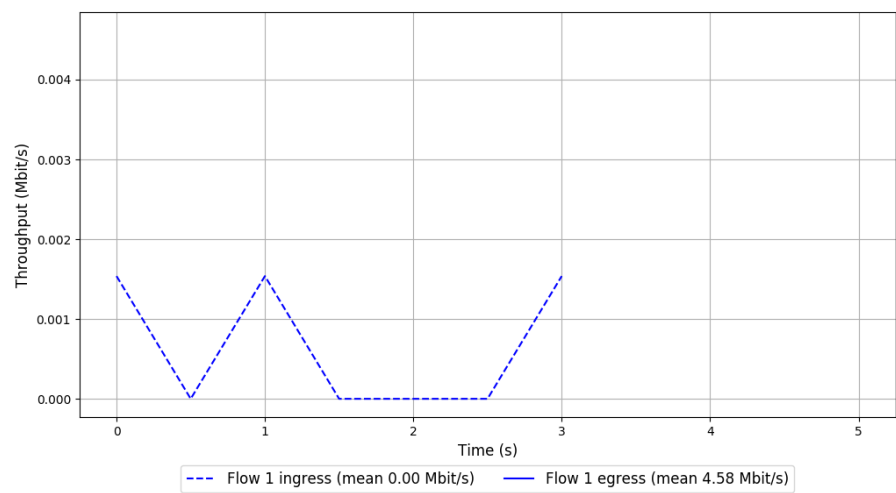
Start at: 2017-08-17 01:26:20

End at: 2017-08-17 01:26:50

Local clock offset: 1.766 ms

Remote clock offset: -1.508 ms

Run 10: Report of TCP Vegas — Data Link

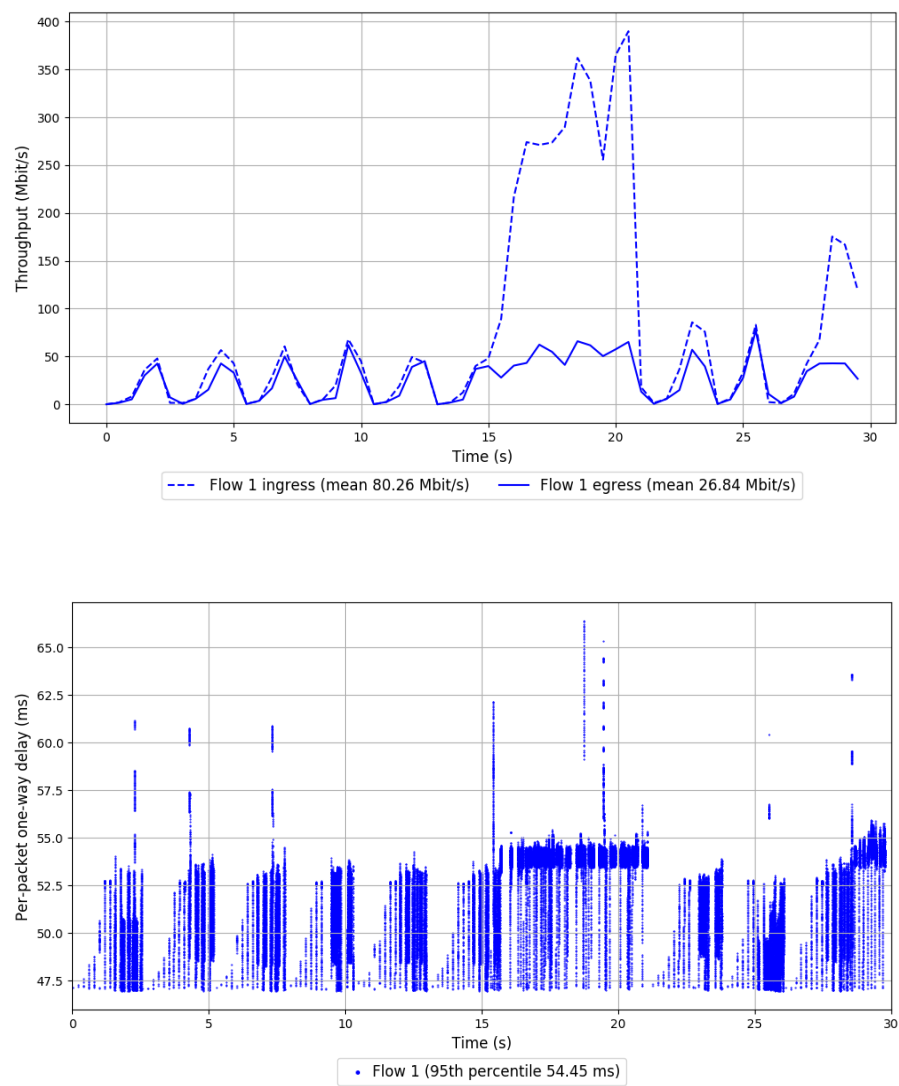


Run 1: Statistics of Verus

Start at: 2017-08-16 22:25:31  
End at: 2017-08-16 22:26:01  
Local clock offset: 0.623 ms  
Remote clock offset: -0.766 ms

# Below is generated by plot.py at 2017-08-17 02:04:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 26.84 Mbit/s  
95th percentile per-packet one-way delay: 54.451 ms  
Loss rate: 66.56%  
-- Flow 1:  
Average throughput: 26.84 Mbit/s  
95th percentile per-packet one-way delay: 54.451 ms  
Loss rate: 66.56%

Run 1: Report of Verus — Data Link

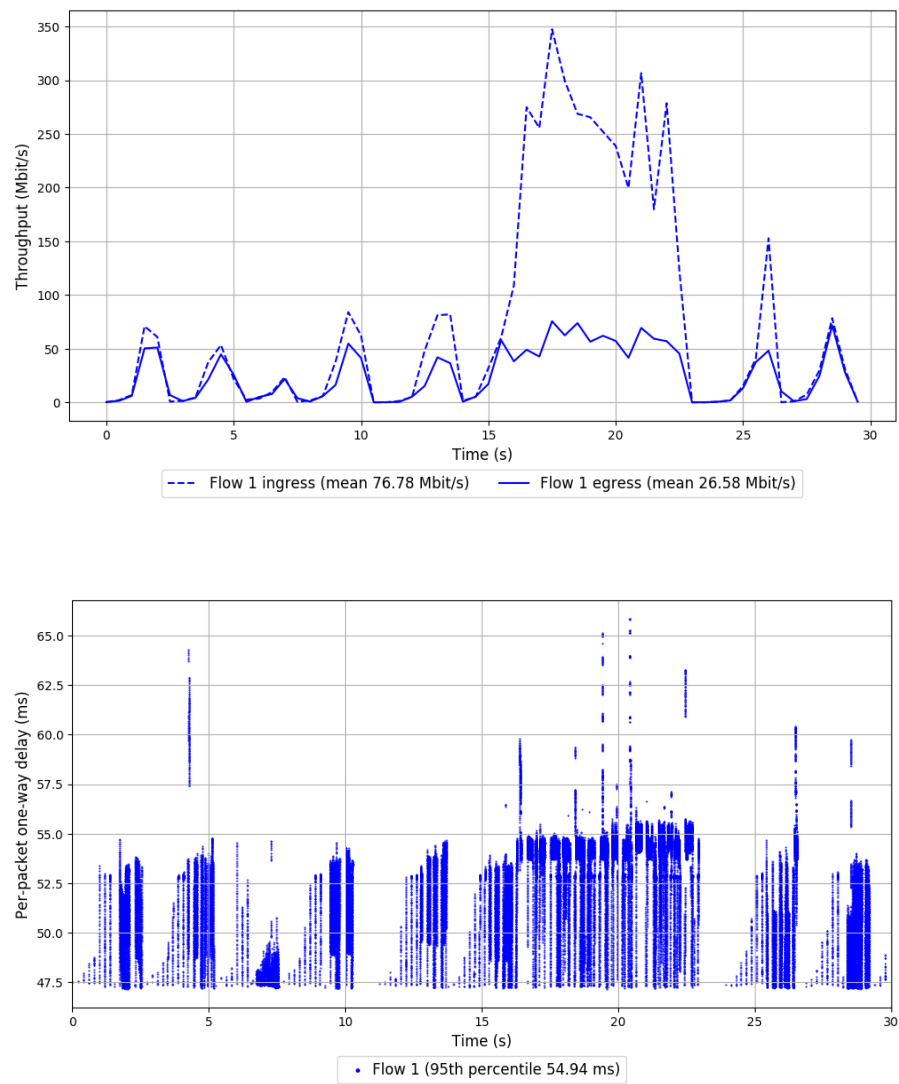


Run 2: Statistics of Verus

Start at: 2017-08-16 22:46:56  
End at: 2017-08-16 22:47:26  
Local clock offset: 0.671 ms  
Remote clock offset: -1.092 ms

# Below is generated by plot.py at 2017-08-17 02:04:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 26.58 Mbit/s  
95th percentile per-packet one-way delay: 54.937 ms  
Loss rate: 65.38%  
-- Flow 1:  
Average throughput: 26.58 Mbit/s  
95th percentile per-packet one-way delay: 54.937 ms  
Loss rate: 65.38%

Run 2: Report of Verus — Data Link



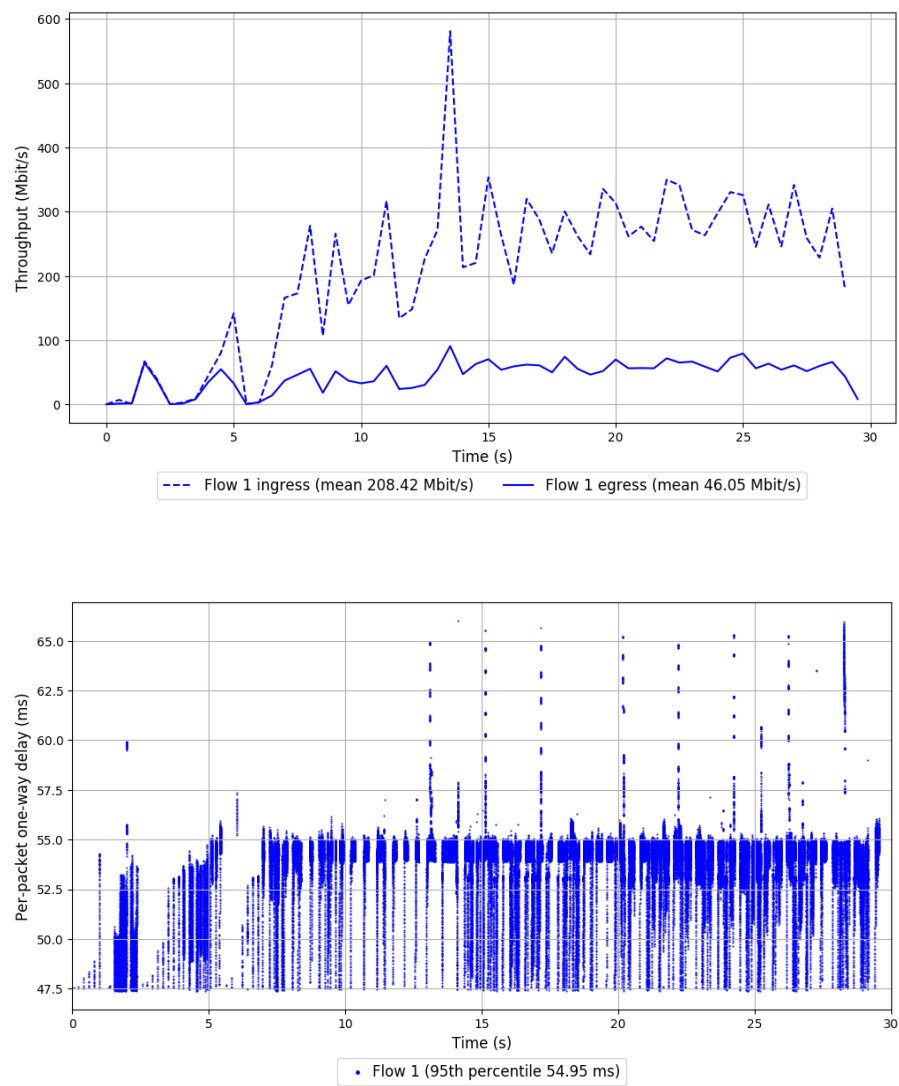
Run 3: Statistics of Verus

Start at: 2017-08-16 23:08:18  
End at: 2017-08-16 23:08:48  
Local clock offset: 0.907 ms  
Remote clock offset: -1.334 ms

# Below is generated by plot.py at 2017-08-17 02:05:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.05 Mbit/s  
95th percentile per-packet one-way delay: 54.955 ms  
Loss rate: 77.90%  
-- Flow 1:  
Average throughput: 46.05 Mbit/s  
95th percentile per-packet one-way delay: 54.955 ms  
Loss rate: 77.90%



Run 3: Report of Verus — Data Link

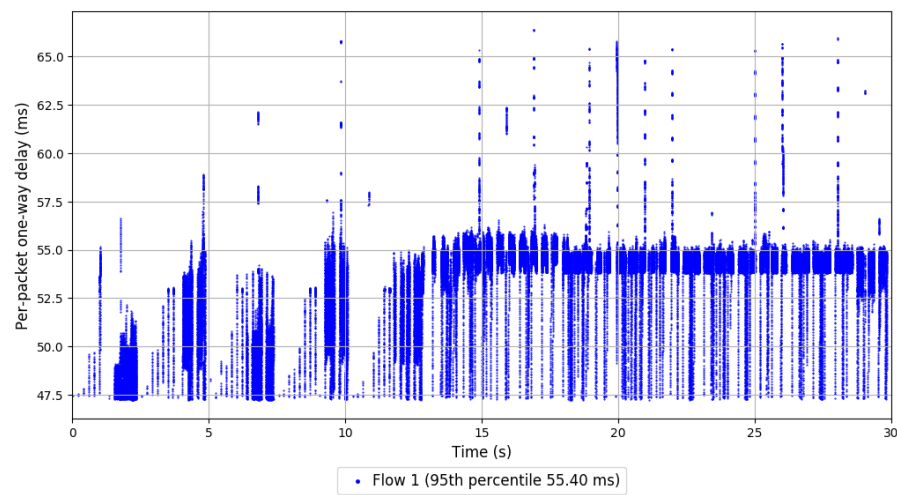
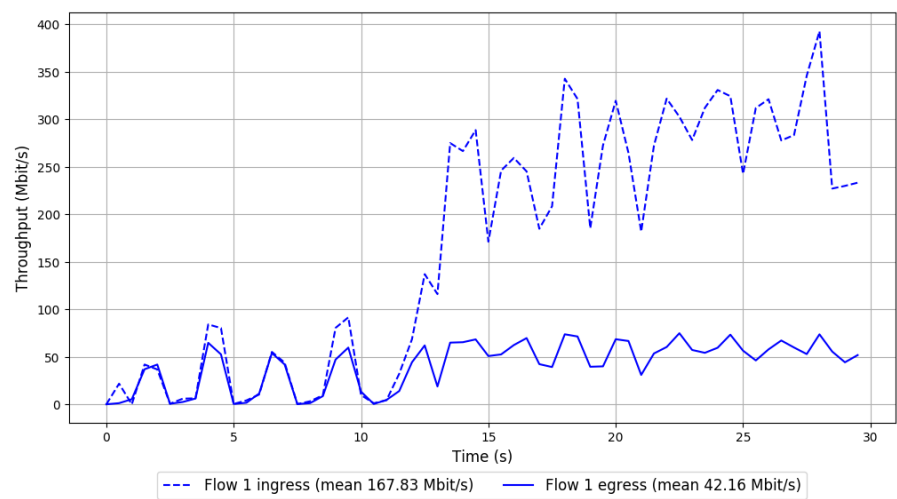


Run 4: Statistics of Verus

Start at: 2017-08-16 23:29:15  
End at: 2017-08-16 23:29:45  
Local clock offset: 1.079 ms  
Remote clock offset: -1.302 ms

# Below is generated by plot.py at 2017-08-17 02:05:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 42.16 Mbit/s  
95th percentile per-packet one-way delay: 55.400 ms  
Loss rate: 74.87%  
-- Flow 1:  
Average throughput: 42.16 Mbit/s  
95th percentile per-packet one-way delay: 55.400 ms  
Loss rate: 74.87%

Run 4: Report of Verus — Data Link

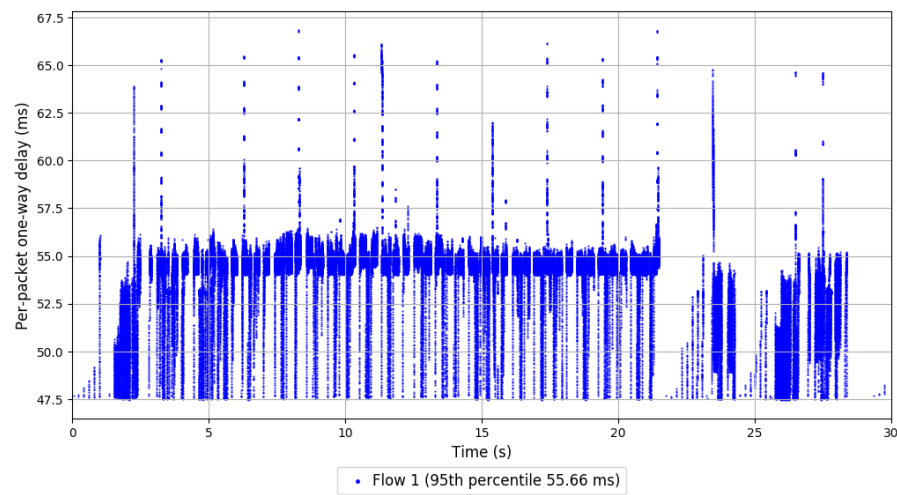
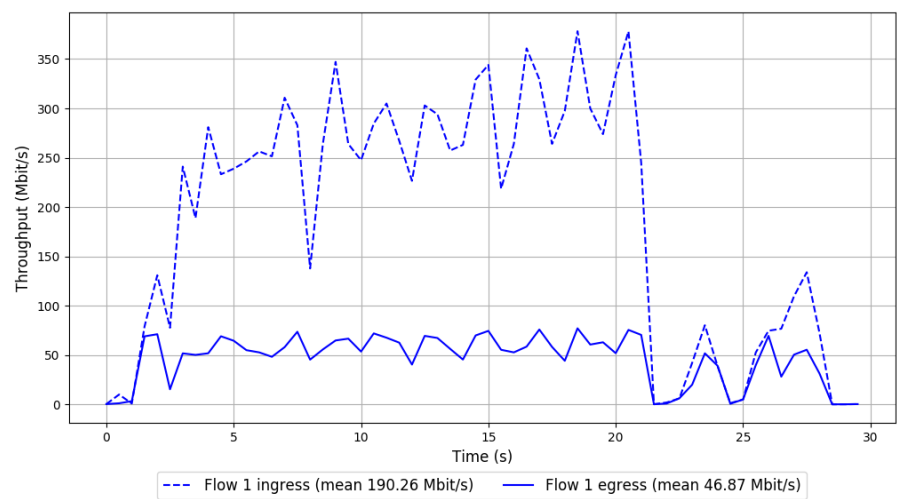


Run 5: Statistics of Verus

Start at: 2017-08-16 23:51:05  
End at: 2017-08-16 23:51:35  
Local clock offset: 1.384 ms  
Remote clock offset: -1.461 ms

# Below is generated by plot.py at 2017-08-17 02:05:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.87 Mbit/s  
95th percentile per-packet one-way delay: 55.656 ms  
Loss rate: 75.36%  
-- Flow 1:  
Average throughput: 46.87 Mbit/s  
95th percentile per-packet one-way delay: 55.656 ms  
Loss rate: 75.36%

Run 5: Report of Verus — Data Link

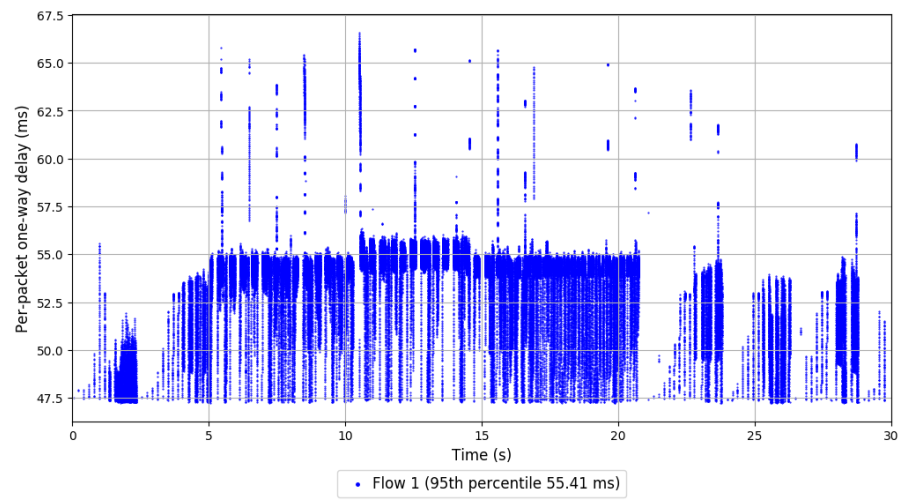
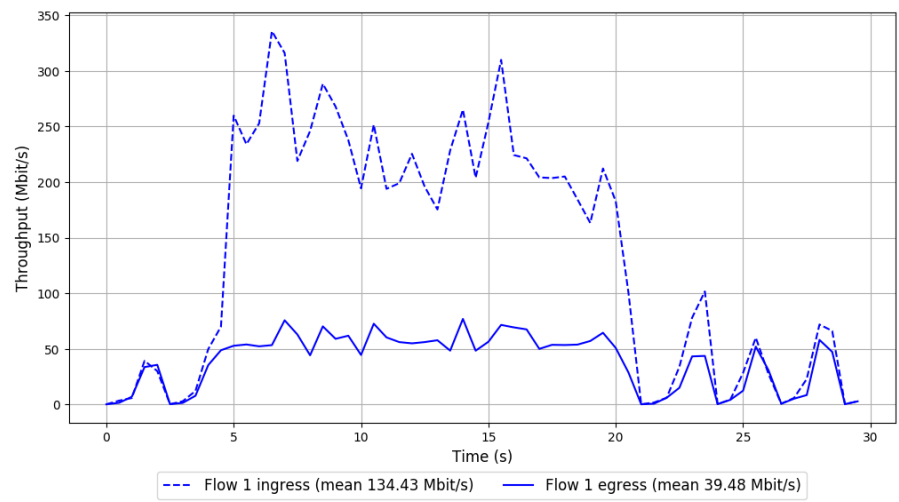


Run 6: Statistics of Verus

Start at: 2017-08-17 00:12:00  
End at: 2017-08-17 00:12:30  
Local clock offset: 1.936 ms  
Remote clock offset: -1.596 ms

# Below is generated by plot.py at 2017-08-17 02:05:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 39.48 Mbit/s  
95th percentile per-packet one-way delay: 55.412 ms  
Loss rate: 70.62%  
-- Flow 1:  
Average throughput: 39.48 Mbit/s  
95th percentile per-packet one-way delay: 55.412 ms  
Loss rate: 70.62%

Run 6: Report of Verus — Data Link



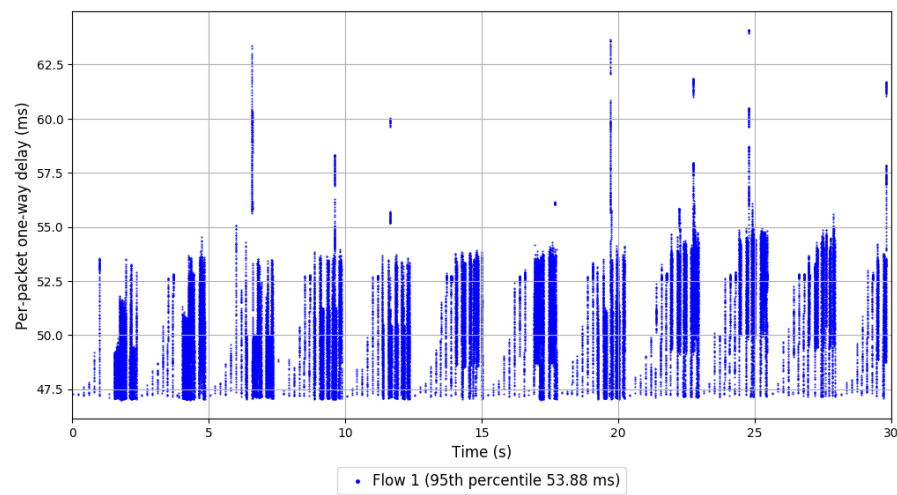
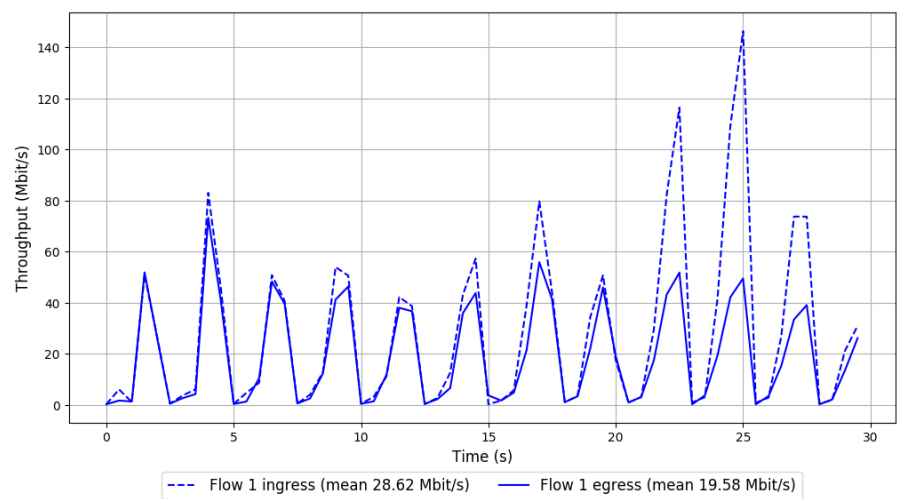
Run 7: Statistics of Verus

Start at: 2017-08-17 00:33:28  
End at: 2017-08-17 00:33:58  
Local clock offset: 2.134 ms  
Remote clock offset: -1.703 ms

# Below is generated by plot.py at 2017-08-17 02:05:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 19.58 Mbit/s  
95th percentile per-packet one-way delay: 53.884 ms  
Loss rate: 31.57%  
-- Flow 1:  
Average throughput: 19.58 Mbit/s  
95th percentile per-packet one-way delay: 53.884 ms  
Loss rate: 31.57%



Run 7: Report of Verus — Data Link

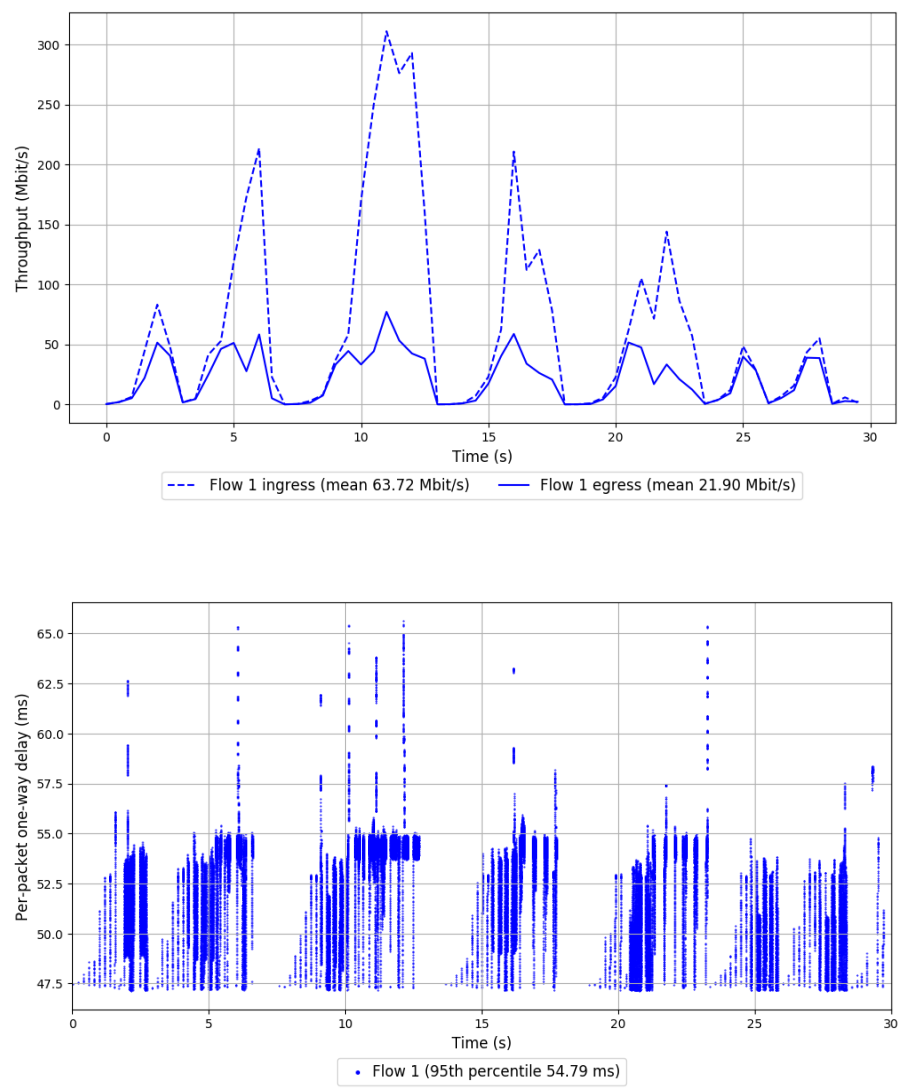


Run 8: Statistics of Verus

Start at: 2017-08-17 00:54:09  
End at: 2017-08-17 00:54:39  
Local clock offset: 2.046 ms  
Remote clock offset: -1.711 ms

# Below is generated by plot.py at 2017-08-17 02:05:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 21.90 Mbit/s  
95th percentile per-packet one-way delay: 54.792 ms  
Loss rate: 65.62%  
-- Flow 1:  
Average throughput: 21.90 Mbit/s  
95th percentile per-packet one-way delay: 54.792 ms  
Loss rate: 65.62%

Run 8: Report of Verus — Data Link

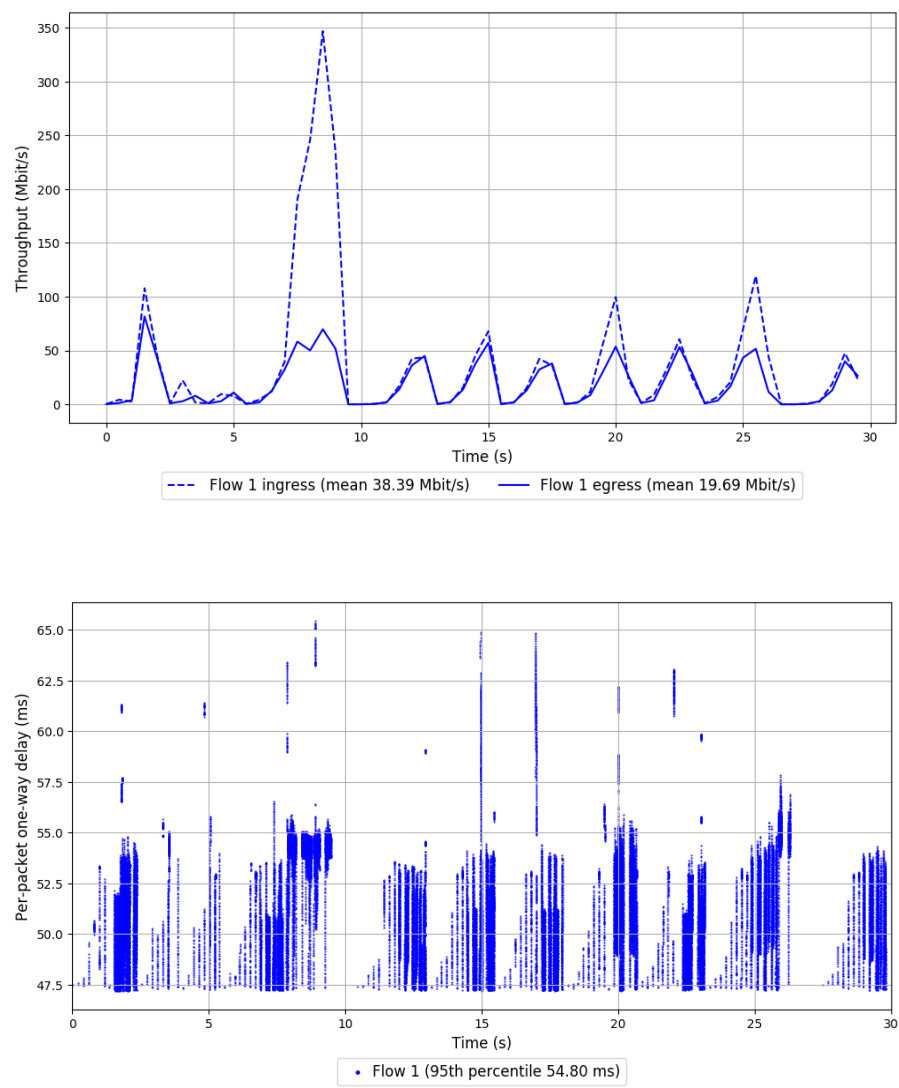


Run 9: Statistics of Verus

Start at: 2017-08-17 01:15:12  
End at: 2017-08-17 01:15:42  
Local clock offset: 1.83 ms  
Remote clock offset: -1.591 ms

# Below is generated by plot.py at 2017-08-17 02:05:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 19.69 Mbit/s  
95th percentile per-packet one-way delay: 54.803 ms  
Loss rate: 48.70%  
-- Flow 1:  
Average throughput: 19.69 Mbit/s  
95th percentile per-packet one-way delay: 54.803 ms  
Loss rate: 48.70%

Run 9: Report of Verus — Data Link

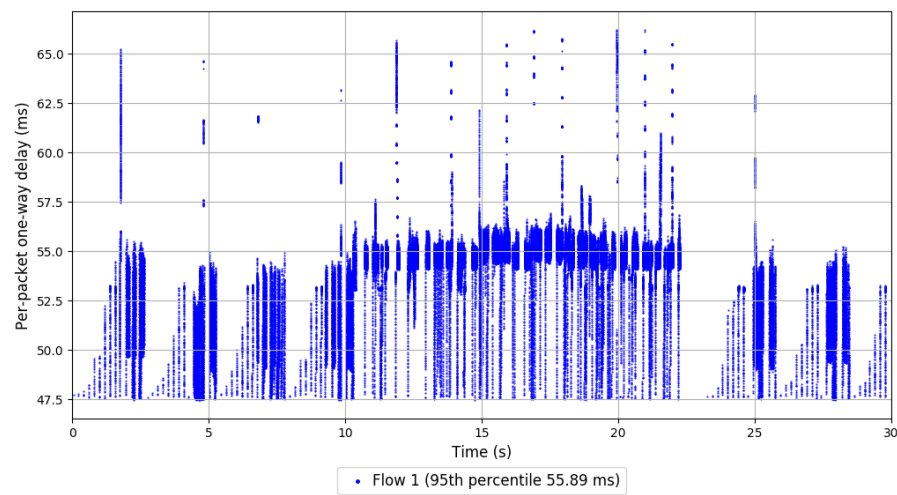
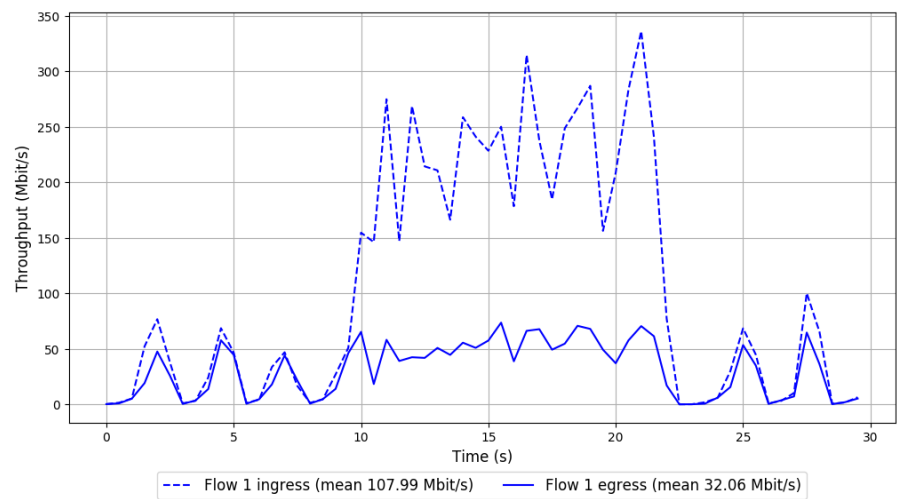


Run 10: Statistics of Verus

Start at: 2017-08-17 01:36:01  
End at: 2017-08-17 01:36:31  
Local clock offset: 1.592 ms  
Remote clock offset: -1.448 ms

# Below is generated by plot.py at 2017-08-17 02:05:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 32.06 Mbit/s  
95th percentile per-packet one-way delay: 55.887 ms  
Loss rate: 70.31%  
-- Flow 1:  
Average throughput: 32.06 Mbit/s  
95th percentile per-packet one-way delay: 55.887 ms  
Loss rate: 70.31%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: 2017-08-16 22:15:52

End at: 2017-08-16 22:16:22

Local clock offset: 0.284 ms

Remote clock offset: -0.629 ms

# Below is generated by plot.py at 2017-08-17 02:05:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 48.015 ms

Loss rate: 0.01%

-- Flow 1:

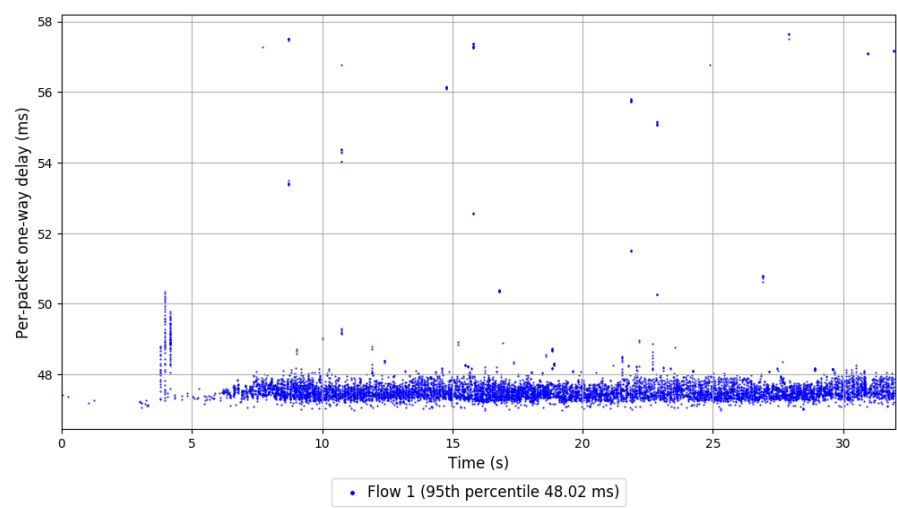
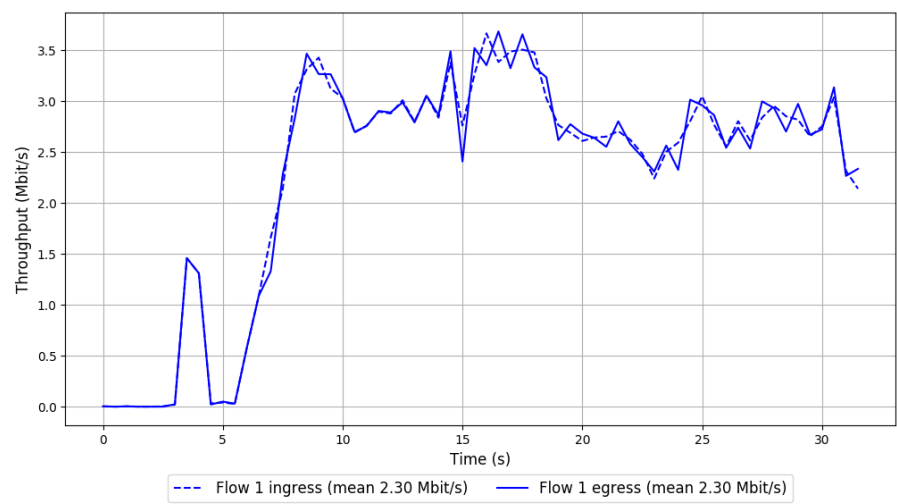
Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 48.015 ms

Loss rate: 0.01%



Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2017-08-16 22:37:53

End at: 2017-08-16 22:38:23

Local clock offset: 0.597 ms

Remote clock offset: -0.949 ms

# Below is generated by plot.py at 2017-08-17 02:05:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 48.081 ms

Loss rate: 0.02%

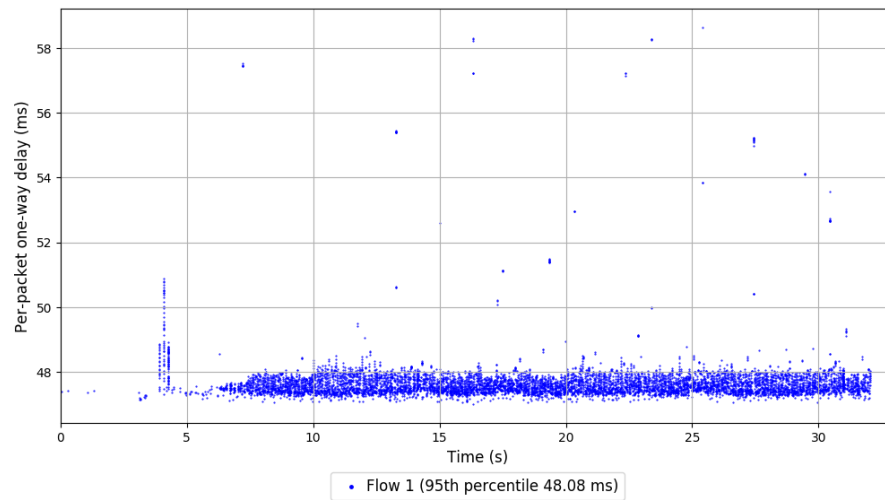
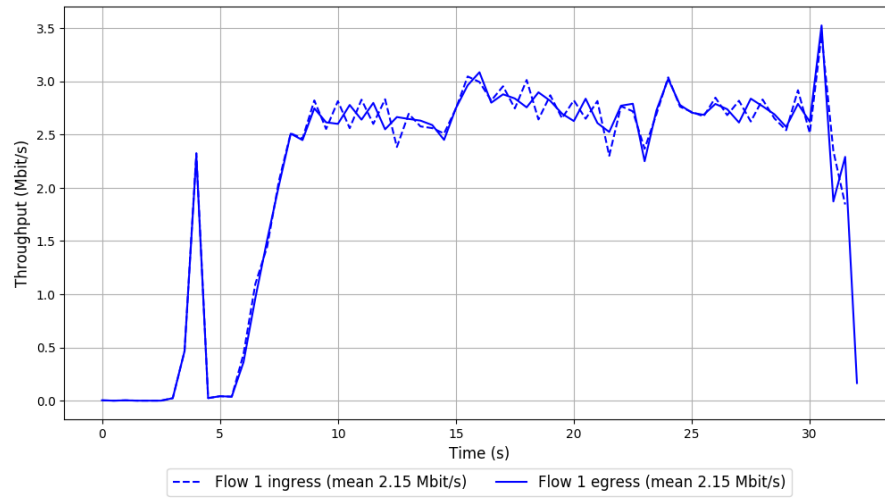
-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 48.081 ms

Loss rate: 0.02%

## Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2017-08-16 22:59:11

End at: 2017-08-16 22:59:42

Local clock offset: 0.816 ms

Remote clock offset: -1.31 ms

# Below is generated by plot.py at 2017-08-17 02:05:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 47.982 ms

Loss rate: 0.00%

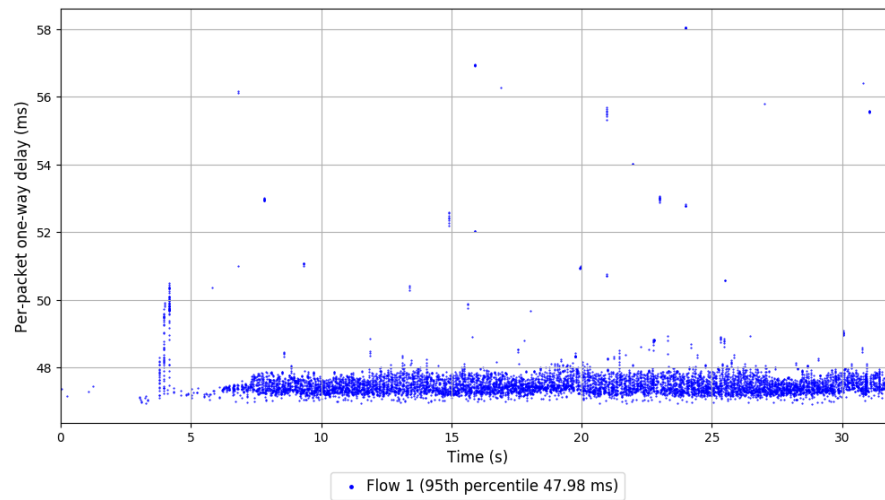
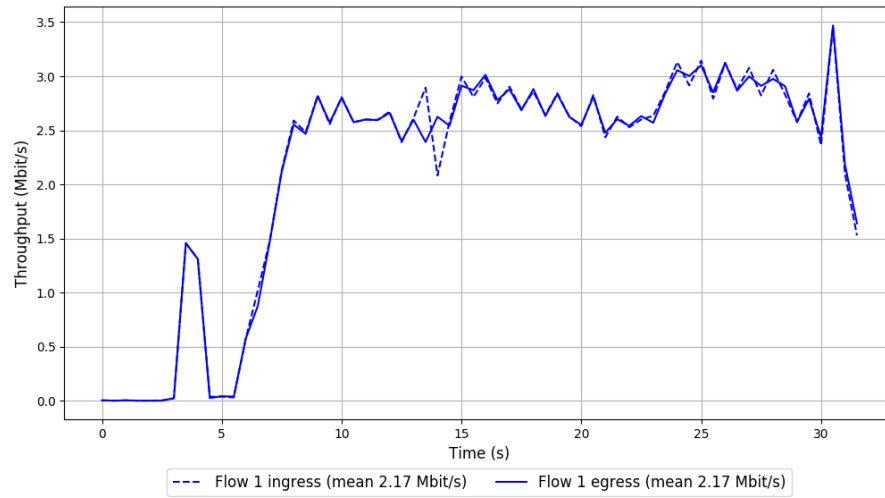
-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 47.982 ms

Loss rate: 0.00%

### Run 3: Report of WebRTC media — Data Link

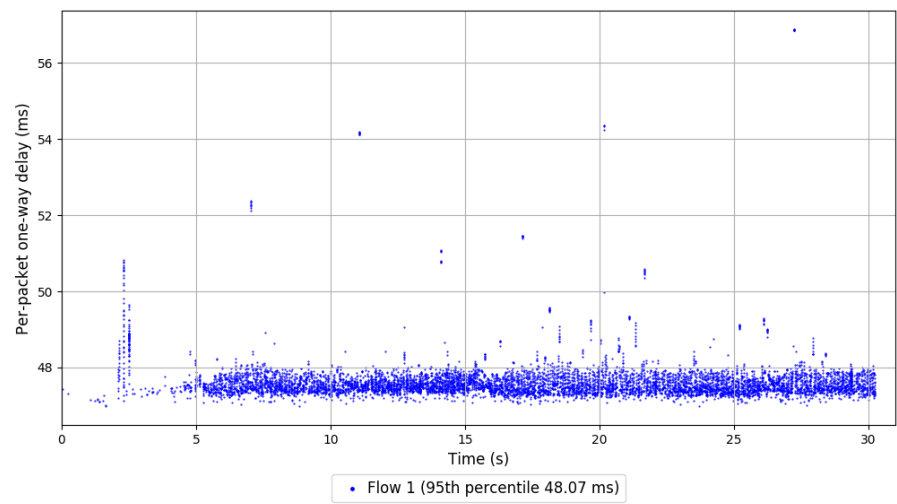
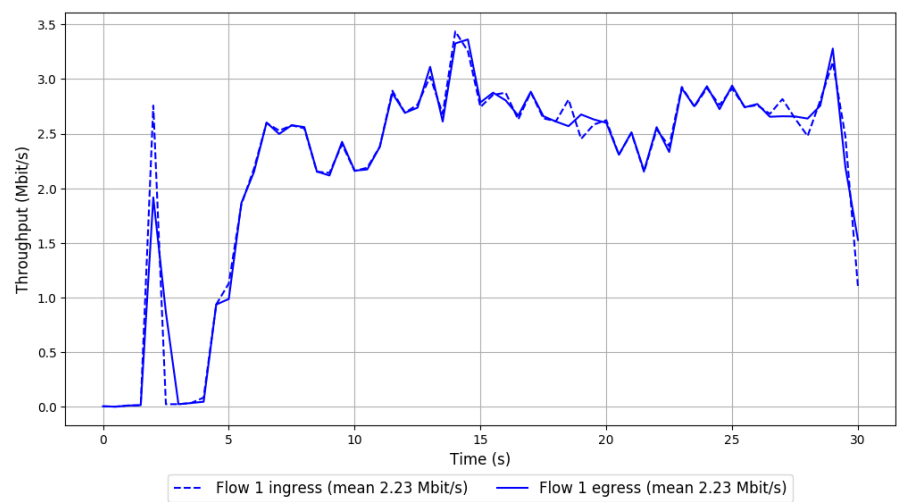


Run 4: Statistics of WebRTC media

Start at: 2017-08-16 23:20:42  
End at: 2017-08-16 23:21:12  
Local clock offset: 0.994 ms  
Remote clock offset: -1.322 ms

# Below is generated by plot.py at 2017-08-17 02:05:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.23 Mbit/s  
95th percentile per-packet one-way delay: 48.070 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.23 Mbit/s  
95th percentile per-packet one-way delay: 48.070 ms  
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



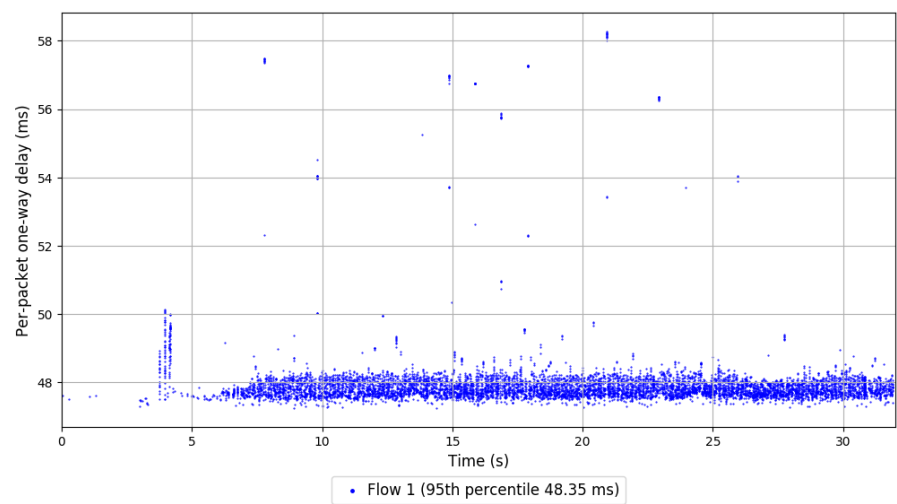
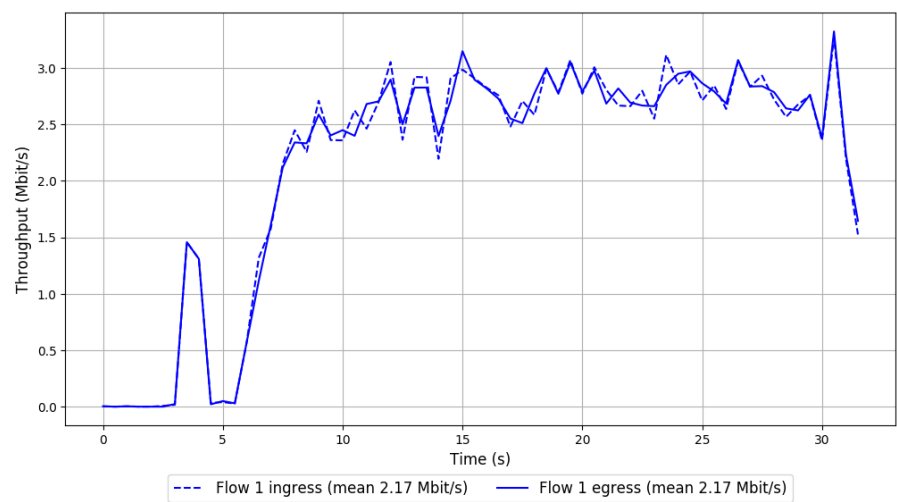
Run 5: Statistics of WebRTC media

Start at: 2017-08-16 23:42:06  
End at: 2017-08-16 23:42:36  
Local clock offset: 1.252 ms  
Remote clock offset: -1.399 ms

# Below is generated by plot.py at 2017-08-17 02:05:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.17 Mbit/s  
95th percentile per-packet one-way delay: 48.353 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 2.17 Mbit/s  
95th percentile per-packet one-way delay: 48.353 ms  
Loss rate: 0.02%



Run 5: Report of WebRTC media — Data Link

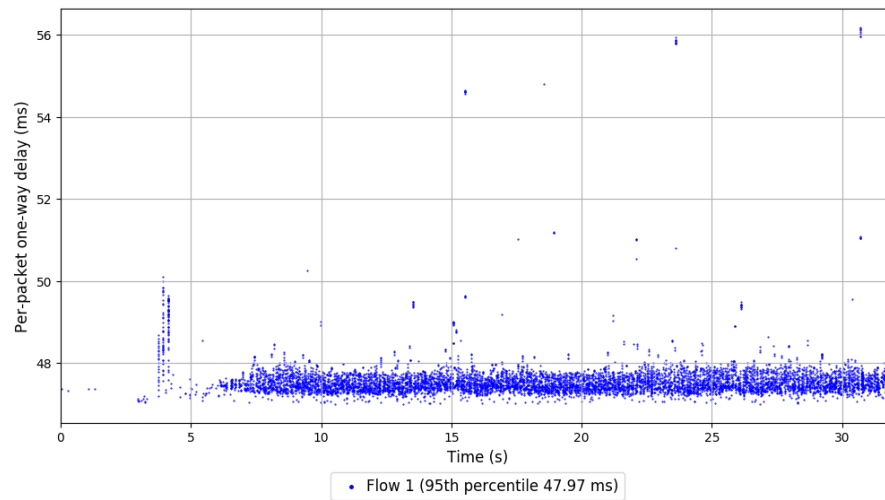
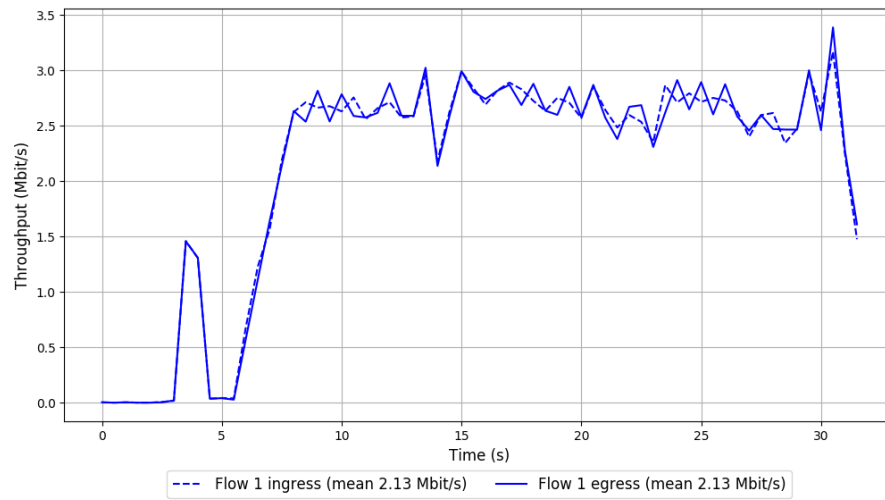


Run 6: Statistics of WebRTC media

Start at: 2017-08-17 00:03:00  
End at: 2017-08-17 00:03:30  
Local clock offset: 1.575 ms  
Remote clock offset: -1.558 ms

# Below is generated by plot.py at 2017-08-17 02:05:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.13 Mbit/s  
95th percentile per-packet one-way delay: 47.974 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.13 Mbit/s  
95th percentile per-packet one-way delay: 47.974 ms  
Loss rate: 0.00%

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

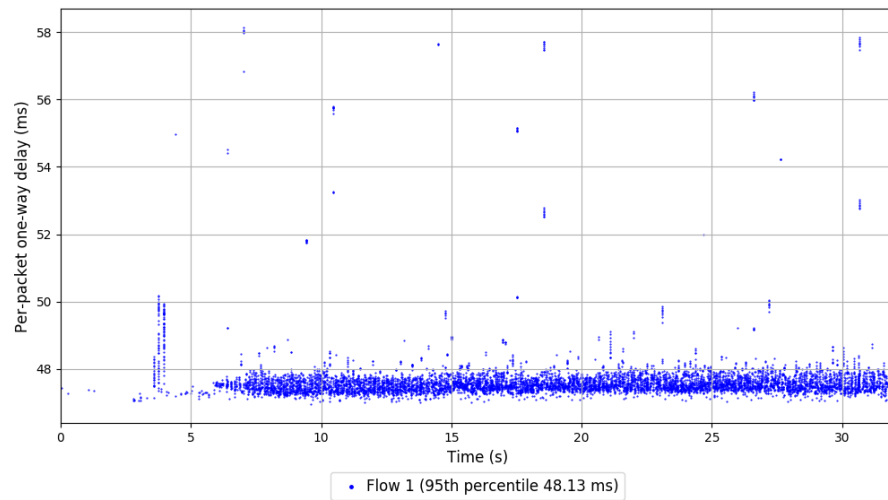
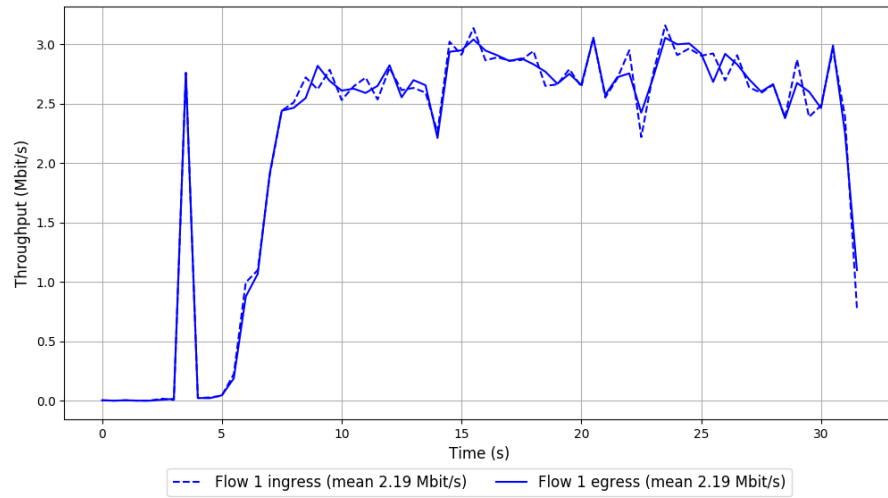


Run 7: Statistics of WebRTC media

Start at: 2017-08-17 00:24:32  
End at: 2017-08-17 00:25:02  
Local clock offset: 2.135 ms  
Remote clock offset: -1.633 ms

# Below is generated by plot.py at 2017-08-17 02:05:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.19 Mbit/s  
95th percentile per-packet one-way delay: 48.132 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.19 Mbit/s  
95th percentile per-packet one-way delay: 48.132 ms  
Loss rate: 0.00%

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

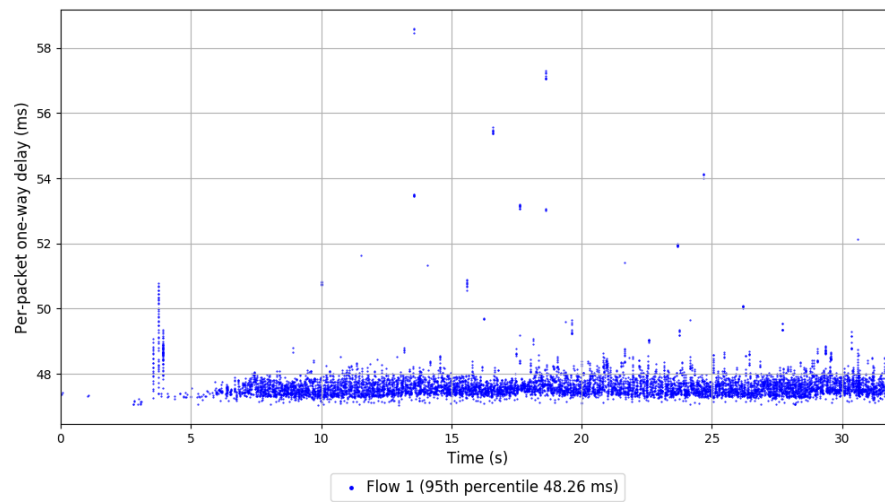
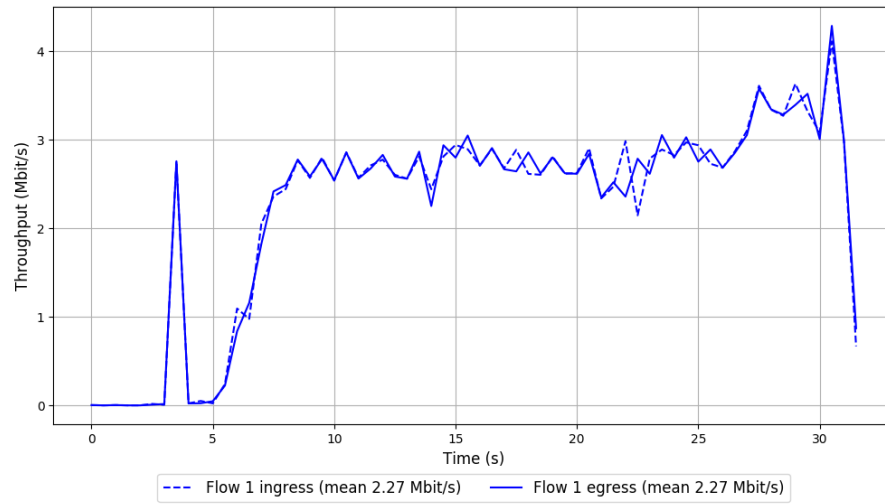


Run 8: Statistics of WebRTC media

Start at: 2017-08-17 00:45:37  
End at: 2017-08-17 00:46:07  
Local clock offset: 2.029 ms  
Remote clock offset: -1.803 ms

# Below is generated by plot.py at 2017-08-17 02:05:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.27 Mbit/s  
95th percentile per-packet one-way delay: 48.258 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 2.27 Mbit/s  
95th percentile per-packet one-way delay: 48.258 ms  
Loss rate: 0.01%

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



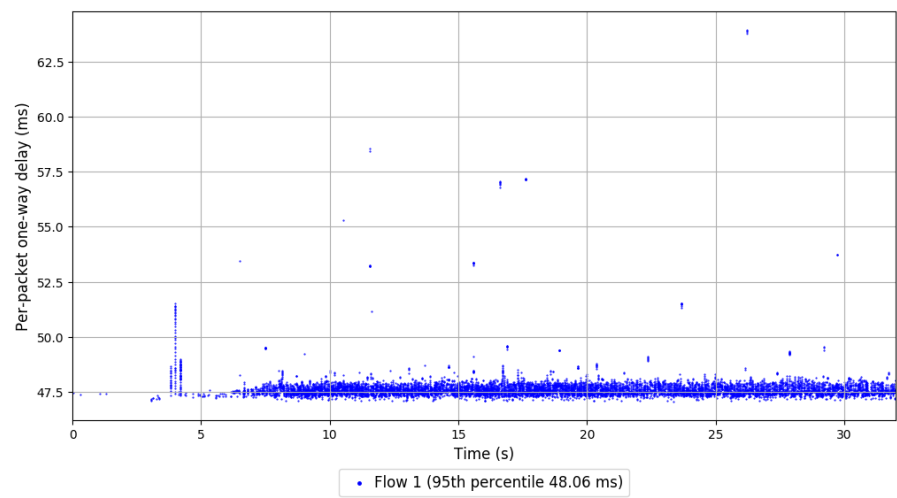
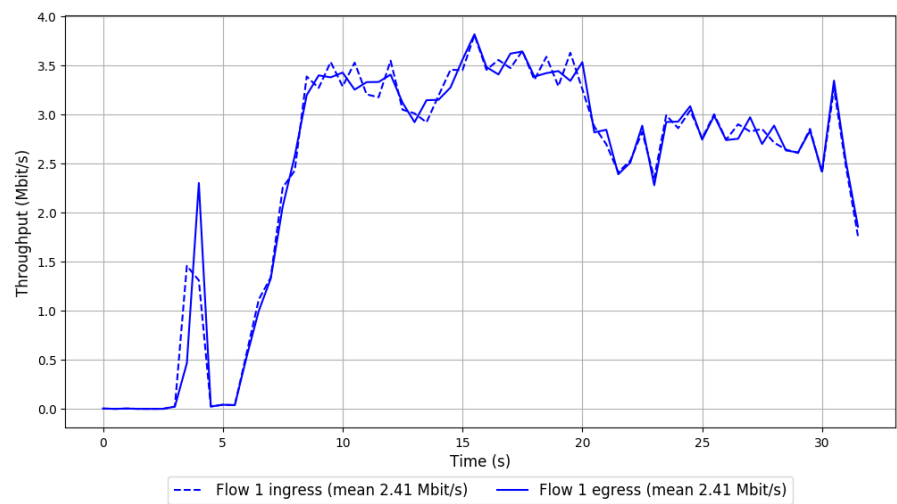
Run 9: Statistics of WebRTC media

Start at: 2017-08-17 01:06:15  
End at: 2017-08-17 01:06:45  
Local clock offset: 1.84 ms  
Remote clock offset: -1.624 ms

# Below is generated by plot.py at 2017-08-17 02:05:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.41 Mbit/s  
95th percentile per-packet one-way delay: 48.058 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 2.41 Mbit/s  
95th percentile per-packet one-way delay: 48.058 ms  
Loss rate: 0.01%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-08-17 01:27:32

End at: 2017-08-17 01:28:02

Local clock offset: 1.937 ms

Remote clock offset: -1.55 ms

# Below is generated by plot.py at 2017-08-17 02:05:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.47 Mbit/s

95th percentile per-packet one-way delay: 48.141 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 2.47 Mbit/s

95th percentile per-packet one-way delay: 48.141 ms

Loss rate: 0.02%

Run 10: Report of WebRTC media — Data Link

