

## Pantheon Report

Generated at 2018-08-21 22:30:32 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

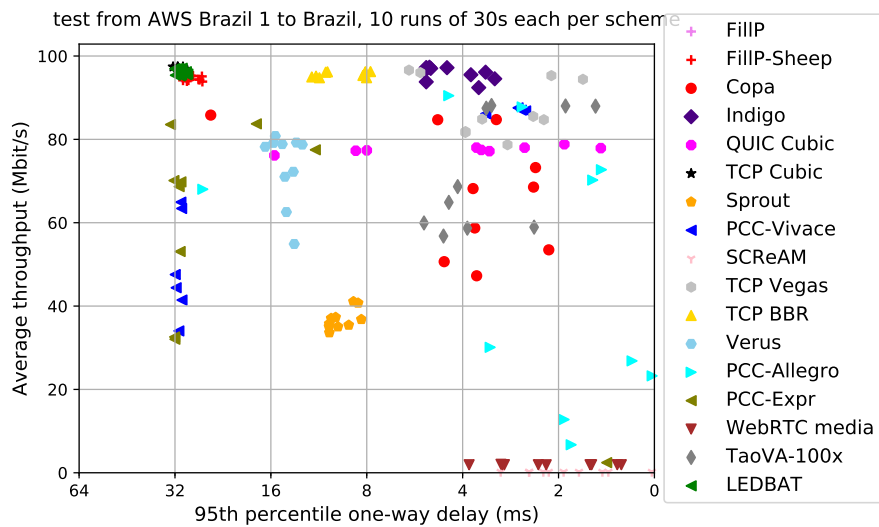
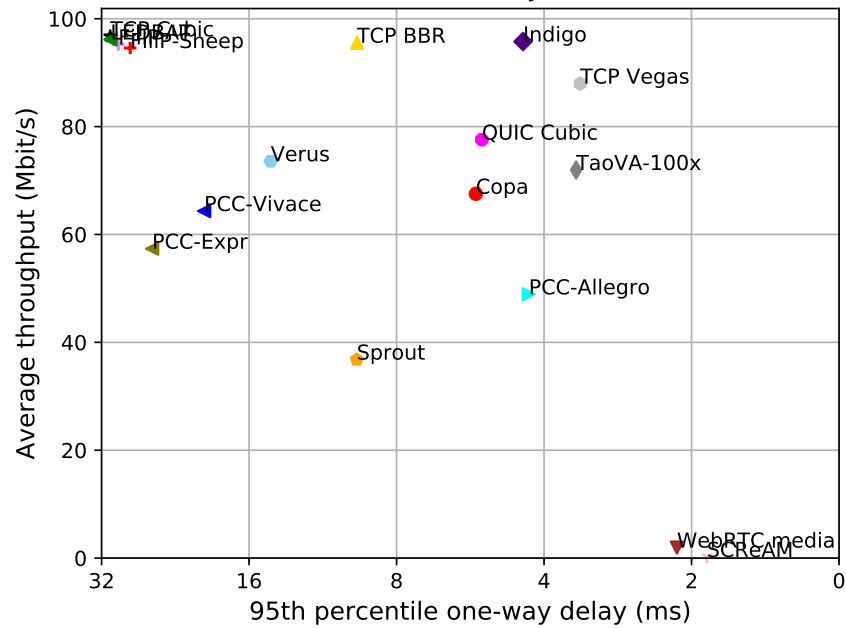
### System info:

```
Linux 4.15.0-1017-aws
net.core.default_qdisc = fq_codel
net.core.rmem_default = 16777216
net.core.rmem_max = 33554432
net.core.wmem_default = 212992
net.core.wmem_max = 212992
net.ipv4.tcp_rmem = 4096 87380 6291456
net.ipv4.tcp_wmem = 4096 16384 4194304
```

### Git summary:

```
branch: master @ 7719b900495aa706f8452ab7d4a94dd562e9296e
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ daed0c84f98531712514b2231f43ec6901114ffe
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdfef58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```

test from AWS Brazil 1 to Brazil, 10 runs of 30s each per scheme  
(mean of all runs by 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     | 95.54                            | 9.64                                | 0.00                         |
| Copa         | 10     | 67.54                            | 5.51                                | 0.00                         |
| TCP Cubic    | 10     | 96.73                            | 30.73                               | 0.02                         |
| FillP        | 10     | 95.25                            | 29.58                               | 4.73                         |
| FillP-Sheep  | 10     | 94.56                            | 27.97                               | 1.46                         |
| Indigo       | 10     | 95.77                            | 4.42                                | 0.00                         |
| LEDBAT       | 10     | 96.15                            | 30.70                               | 0.02                         |
| PCC-Allegro  | 10     | 48.89                            | 4.30                                | 0.01                         |
| PCC-Expr     | 10     | 57.35                            | 25.24                               | 0.99                         |
| QUIC Cubic   | 9      | 77.58                            | 5.36                                | 0.23                         |
| SCReAM       | 10     | 0.22                             | 1.79                                | 0.00                         |
| Sprout       | 10     | 36.80                            | 9.65                                | 0.00                         |
| TaoVA-100x   | 10     | 71.95                            | 3.44                                | 0.00                         |
| TCP Vegas    | 10     | 87.97                            | 3.38                                | 0.00                         |
| Verus        | 10     | 73.57                            | 14.45                               | 0.93                         |
| PCC-Vivace   | 10     | 64.34                            | 19.76                               | 0.79                         |
| WebRTC media | 10     | 1.94                             | 2.14                                | 0.00                         |

Run 1: Statistics of TCP BBR

Start at: 2018-08-21 19:13:36

End at: 2018-08-21 19:14:06

Local clock offset: -3.118 ms

Remote clock offset: -7.935 ms

# Below is generated by plot.py at 2018-08-21 22:10:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.23 Mbit/s

95th percentile per-packet one-way delay: 8.080 ms

Loss rate: 0.00%

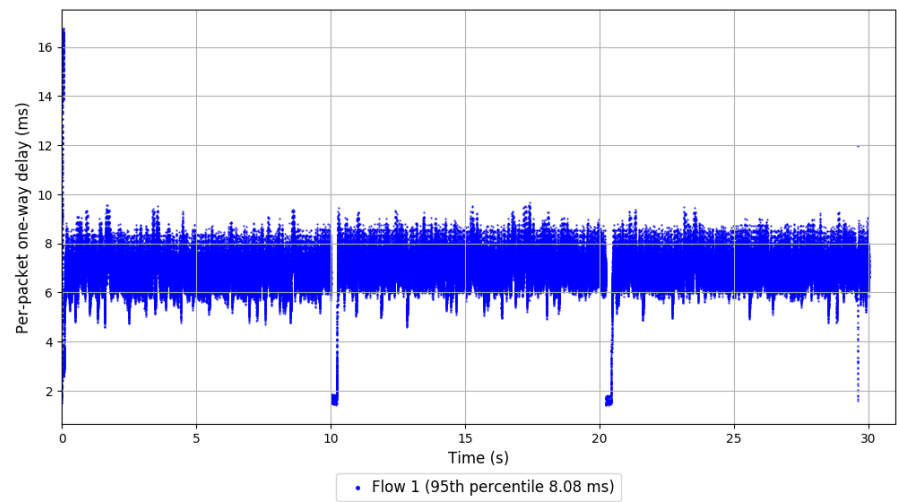
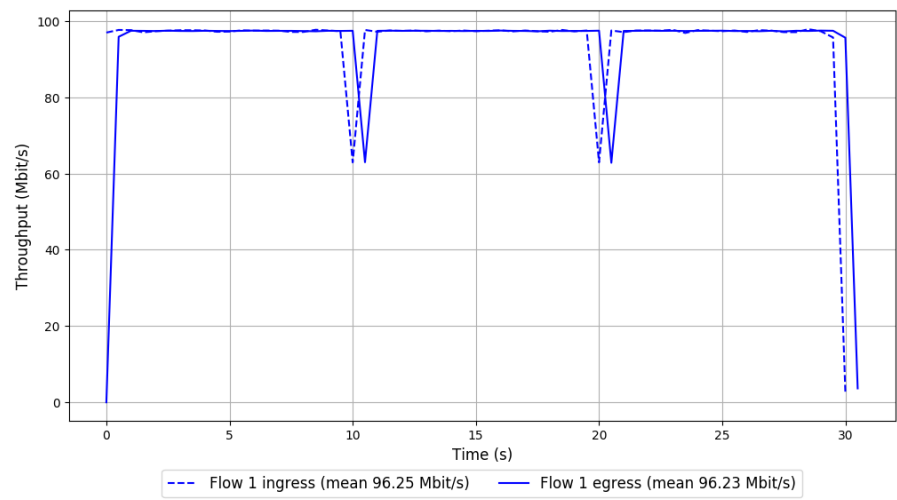
-- Flow 1:

Average throughput: 96.23 Mbit/s

95th percentile per-packet one-way delay: 8.080 ms

Loss rate: 0.00%

Run 1: Report of TCP BBR — Data Link

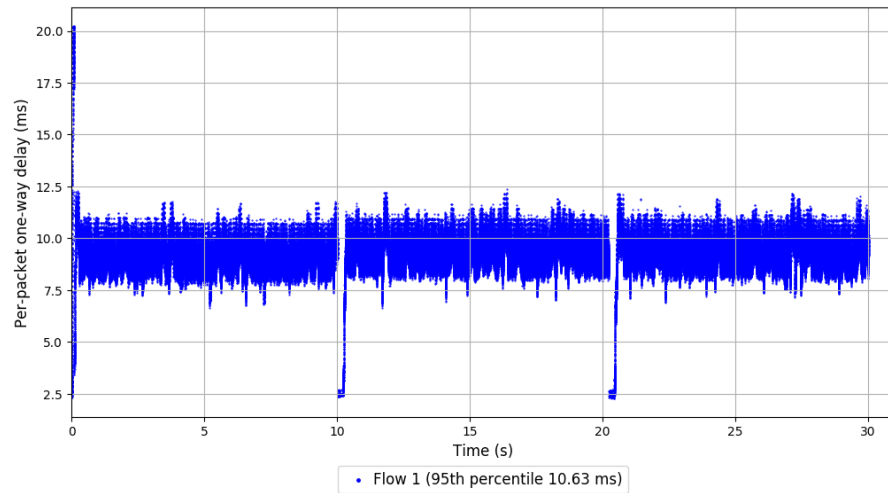
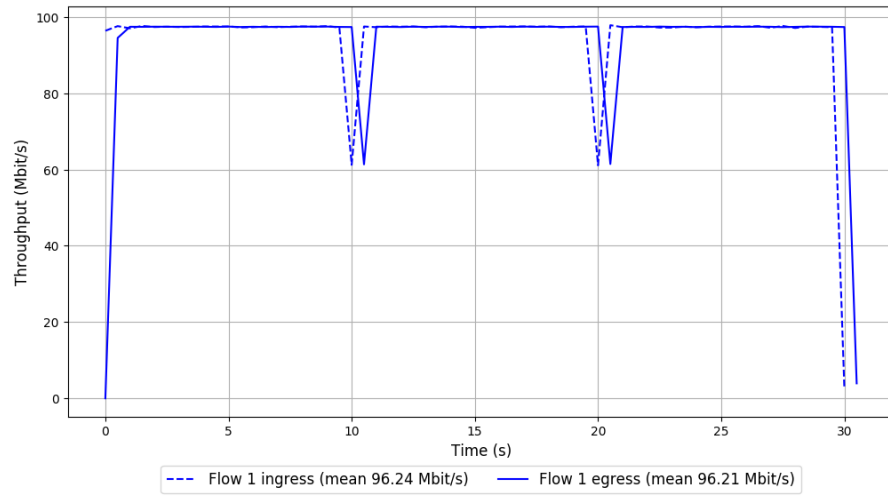


Run 2: Statistics of TCP BBR

Start at: 2018-08-21 19:32:37  
End at: 2018-08-21 19:33:07  
Local clock offset: -4.302 ms  
Remote clock offset: -4.631 ms

# Below is generated by plot.py at 2018-08-21 22:10:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.21 Mbit/s  
95th percentile per-packet one-way delay: 10.628 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 96.21 Mbit/s  
95th percentile per-packet one-way delay: 10.628 ms  
Loss rate: 0.01%

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



Run 3: Statistics of TCP BBR

Start at: 2018-08-21 19:51:38

End at: 2018-08-21 19:52:08

Local clock offset: -3.615 ms

Remote clock offset: -2.46 ms

# Below is generated by plot.py at 2018-08-21 22:10:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.12 Mbit/s

95th percentile per-packet one-way delay: 10.766 ms

Loss rate: 0.01%

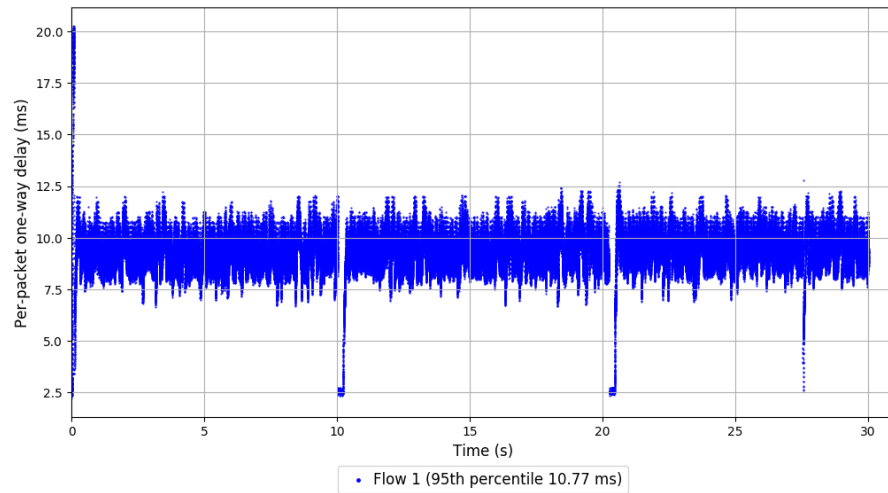
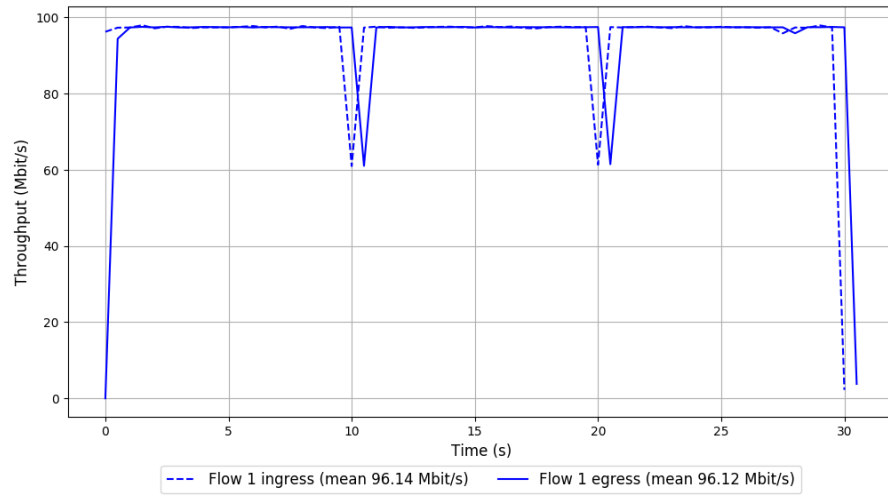
-- Flow 1:

Average throughput: 96.12 Mbit/s

95th percentile per-packet one-way delay: 10.766 ms

Loss rate: 0.01%

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

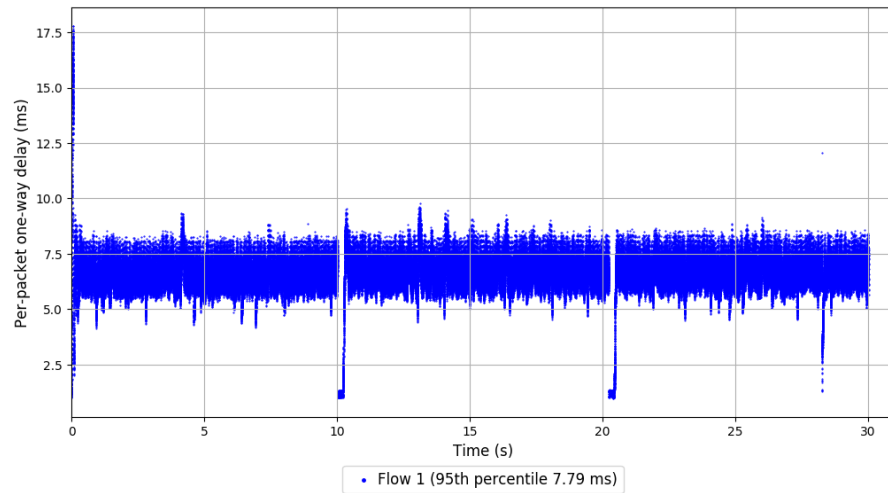
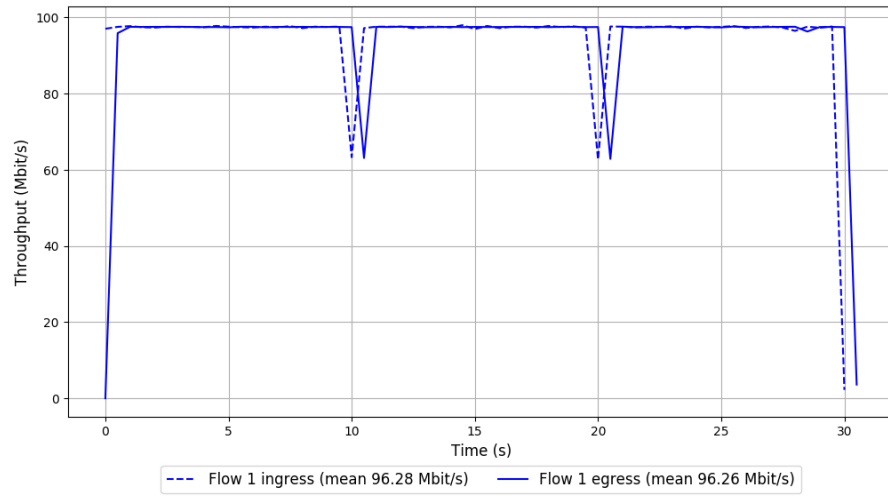


Run 4: Statistics of TCP BBR

Start at: 2018-08-21 20:10:40  
End at: 2018-08-21 20:11:10  
Local clock offset: -2.769 ms  
Remote clock offset: -2.083 ms

# Below is generated by plot.py at 2018-08-21 22:10:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.26 Mbit/s  
95th percentile per-packet one-way delay: 7.787 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.26 Mbit/s  
95th percentile per-packet one-way delay: 7.787 ms  
Loss rate: 0.00%

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

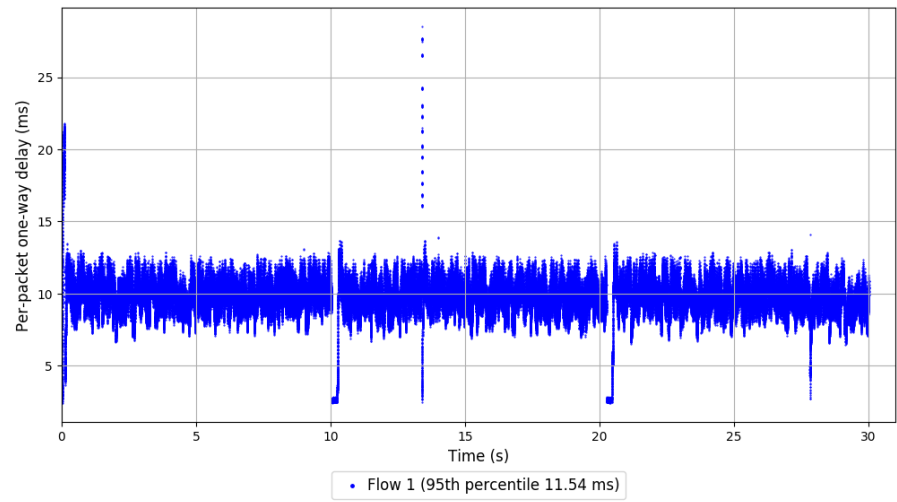
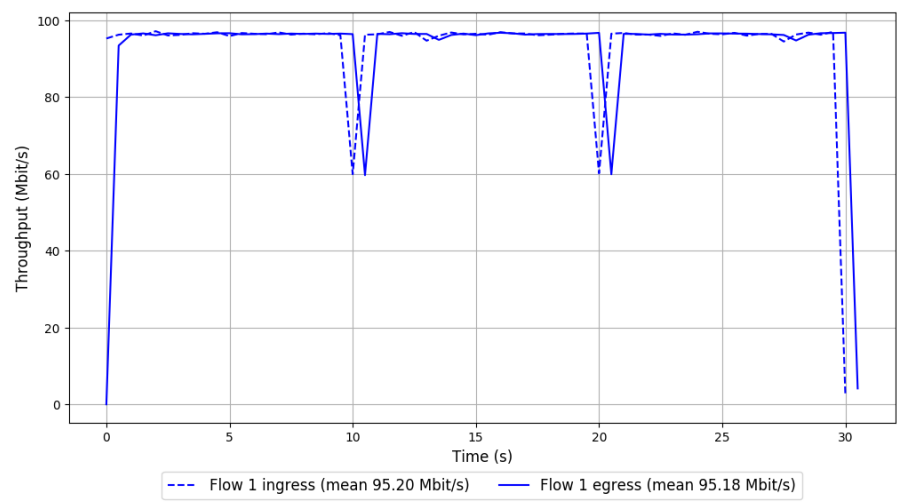


Run 5: Statistics of TCP BBR

Start at: 2018-08-21 20:29:43  
End at: 2018-08-21 20:30:13  
Local clock offset: -1.658 ms  
Remote clock offset: -1.747 ms

# Below is generated by plot.py at 2018-08-21 22:10:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.18 Mbit/s  
95th percentile per-packet one-way delay: 11.545 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 95.18 Mbit/s  
95th percentile per-packet one-way delay: 11.545 ms  
Loss rate: 0.00%

Run 5: Report of TCP BBR — Data Link

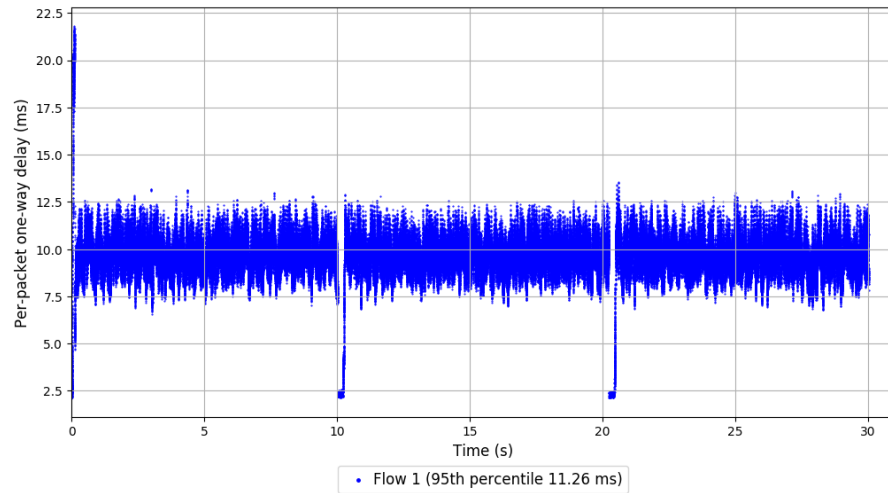
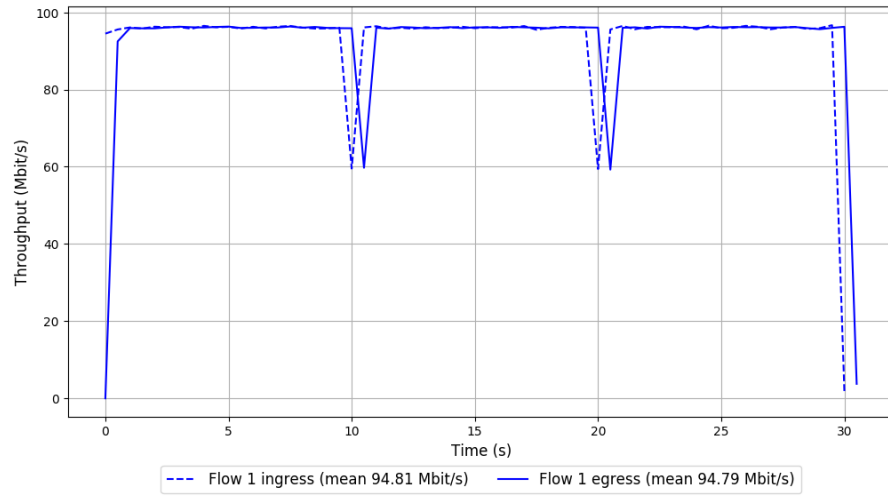


Run 6: Statistics of TCP BBR

Start at: 2018-08-21 20:48:41  
End at: 2018-08-21 20:49:11  
Local clock offset: -4.795 ms  
Remote clock offset: -2.571 ms

# Below is generated by plot.py at 2018-08-21 22:10:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.79 Mbit/s  
95th percentile per-packet one-way delay: 11.264 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 94.79 Mbit/s  
95th percentile per-packet one-way delay: 11.264 ms  
Loss rate: 0.01%

# Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-08-21 21:07:40

End at: 2018-08-21 21:08:10

Local clock offset: -6.251 ms

Remote clock offset: 0.425 ms

# Below is generated by plot.py at 2018-08-21 22:10:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.80 Mbit/s

95th percentile per-packet one-way delay: 8.012 ms

Loss rate: 0.00%

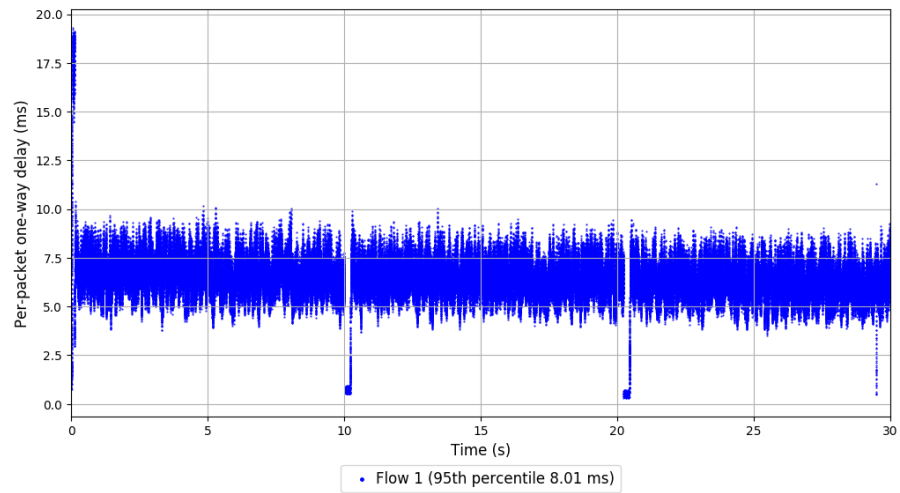
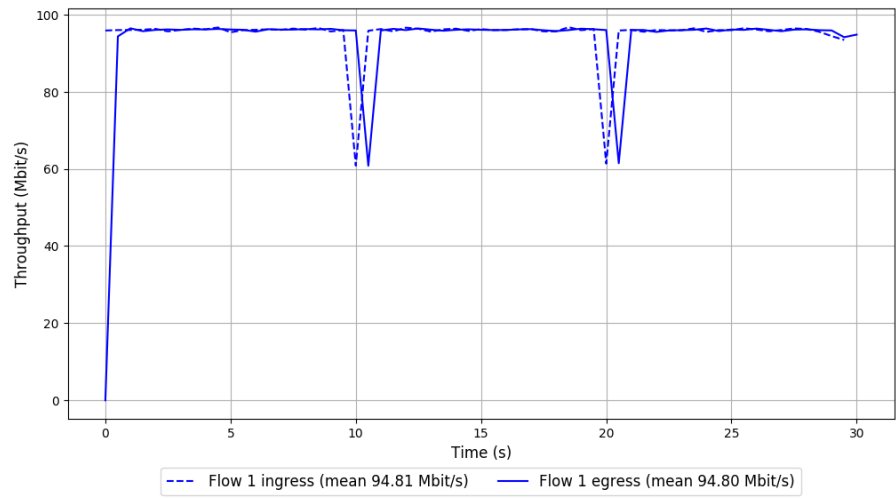
-- Flow 1:

Average throughput: 94.80 Mbit/s

95th percentile per-packet one-way delay: 8.012 ms

Loss rate: 0.00%

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

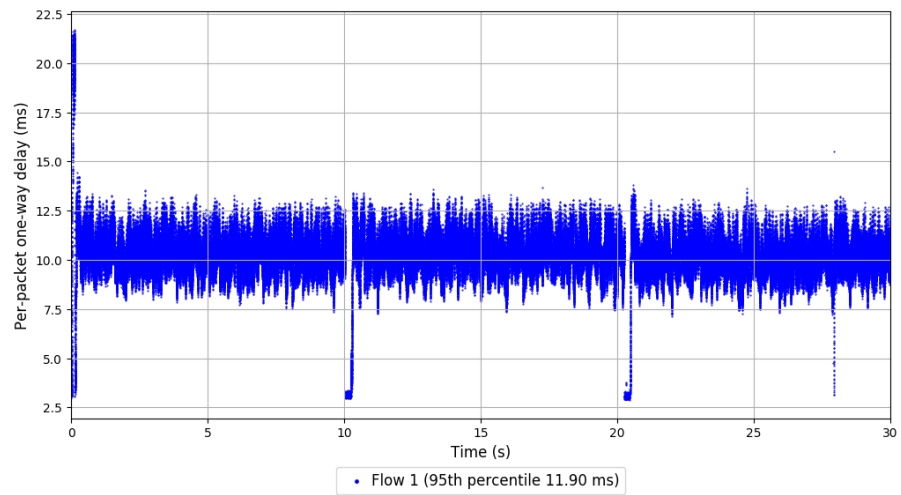
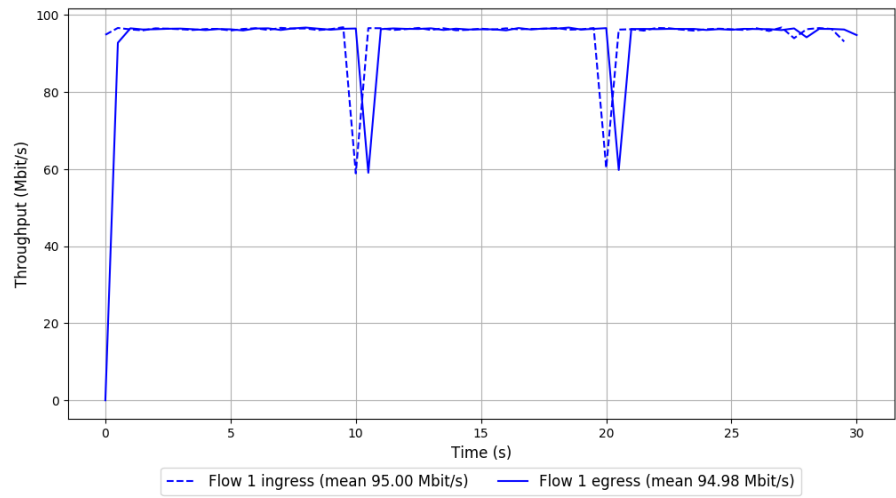


Run 8: Statistics of TCP BBR

Start at: 2018-08-21 21:26:39  
End at: 2018-08-21 21:27:09  
Local clock offset: -6.922 ms  
Remote clock offset: 14.239 ms

# Below is generated by plot.py at 2018-08-21 22:10:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.98 Mbit/s  
95th percentile per-packet one-way delay: 11.902 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 94.98 Mbit/s  
95th percentile per-packet one-way delay: 11.902 ms  
Loss rate: 0.01%

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

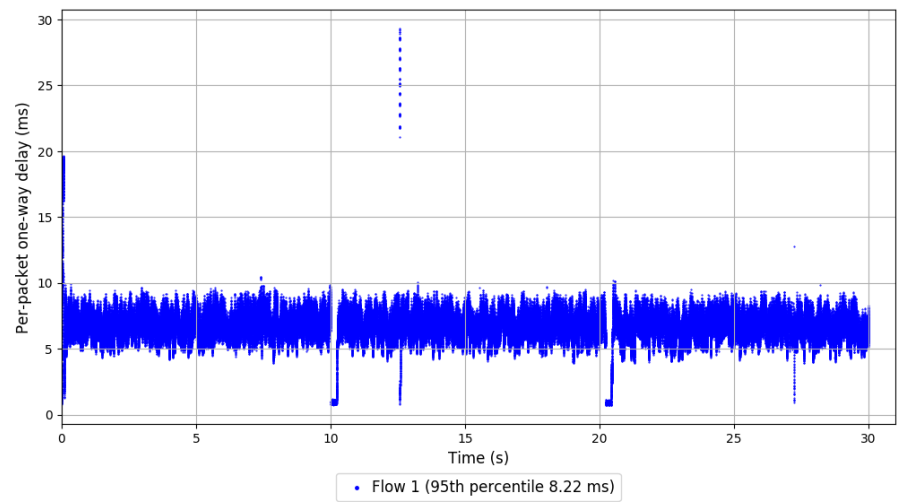
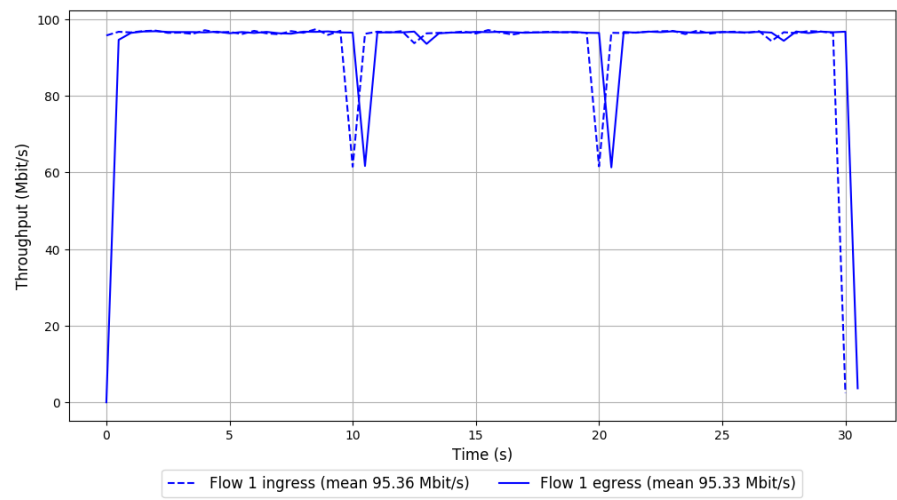


Run 9: Statistics of TCP BBR

Start at: 2018-08-21 21:45:36  
End at: 2018-08-21 21:46:06  
Local clock offset: -5.041 ms  
Remote clock offset: 20.421 ms

# Below is generated by plot.py at 2018-08-21 22:11:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.33 Mbit/s  
95th percentile per-packet one-way delay: 8.224 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 95.33 Mbit/s  
95th percentile per-packet one-way delay: 8.224 ms  
Loss rate: 0.00%

Run 9: Report of TCP BBR — Data Link

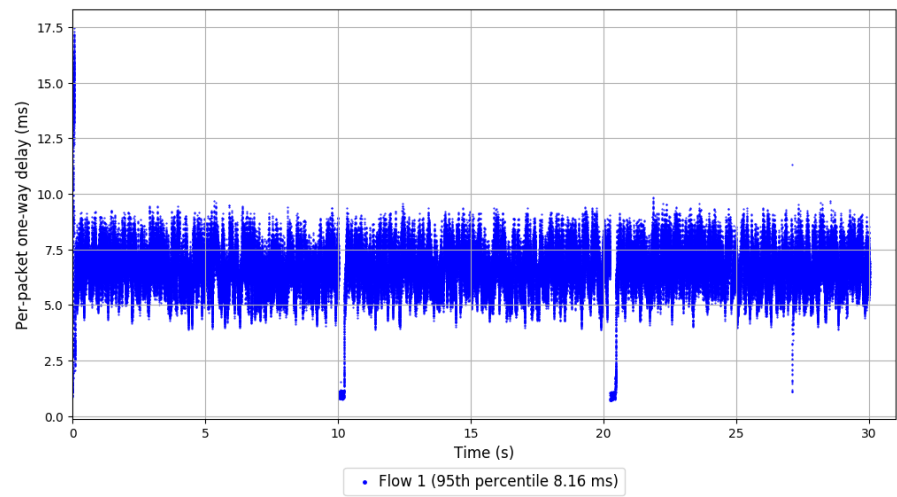
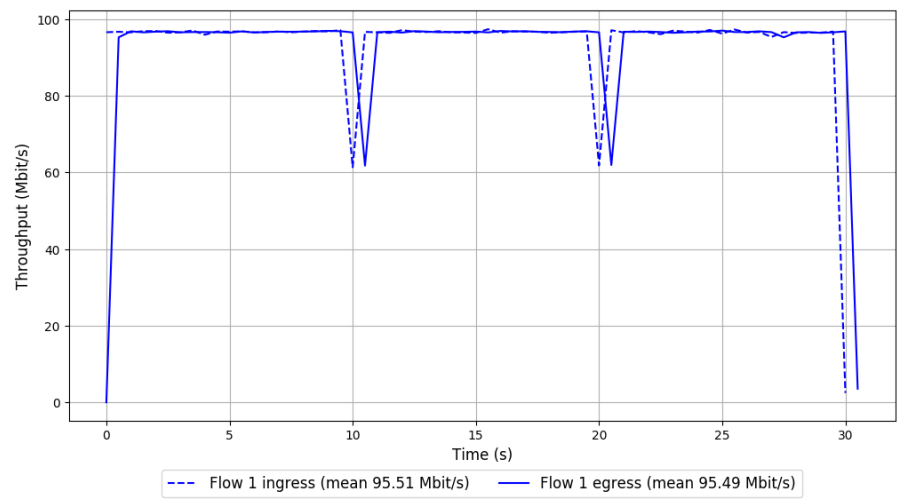


Run 10: Statistics of TCP BBR

Start at: 2018-08-21 22:04:34  
End at: 2018-08-21 22:05:04  
Local clock offset: -4.291 ms  
Remote clock offset: 25.761 ms

# Below is generated by plot.py at 2018-08-21 22:11:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.49 Mbit/s  
95th percentile per-packet one-way delay: 8.164 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 95.49 Mbit/s  
95th percentile per-packet one-way delay: 8.164 ms  
Loss rate: 0.00%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2018-08-21 19:02:29

End at: 2018-08-21 19:02:59

Local clock offset: 0.129 ms

Remote clock offset: -6.7 ms

# Below is generated by plot.py at 2018-08-21 22:12:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 68.55 Mbit/s

95th percentile per-packet one-way delay: 2.396 ms

Loss rate: 0.00%

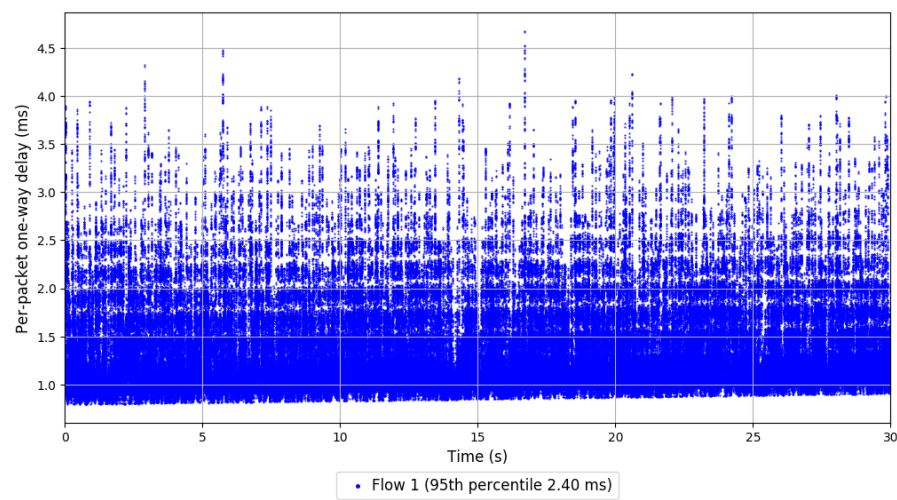
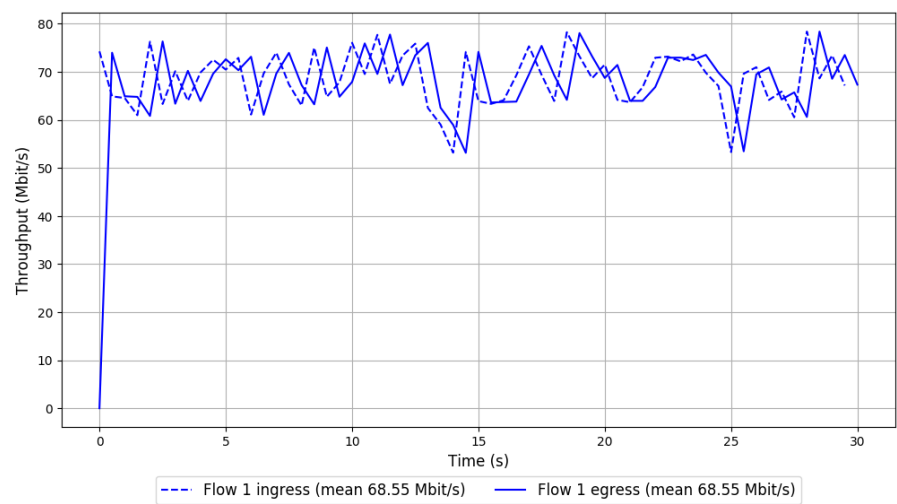
-- Flow 1:

Average throughput: 68.55 Mbit/s

95th percentile per-packet one-way delay: 2.396 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

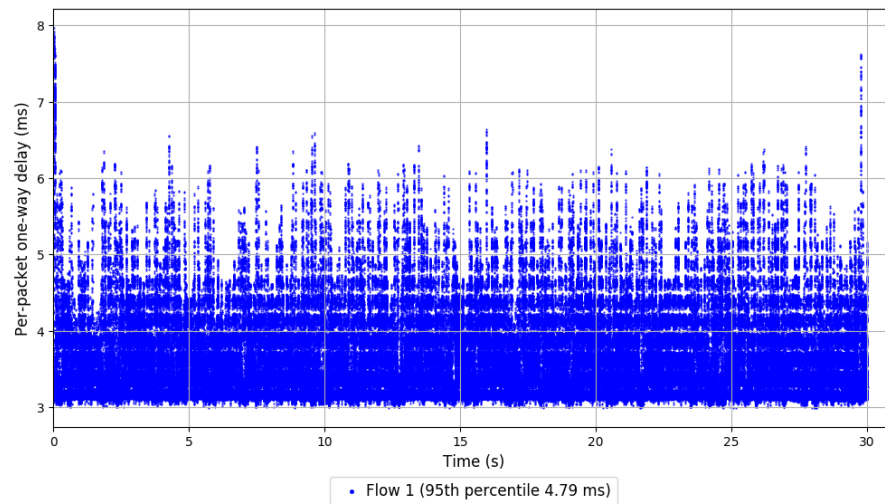
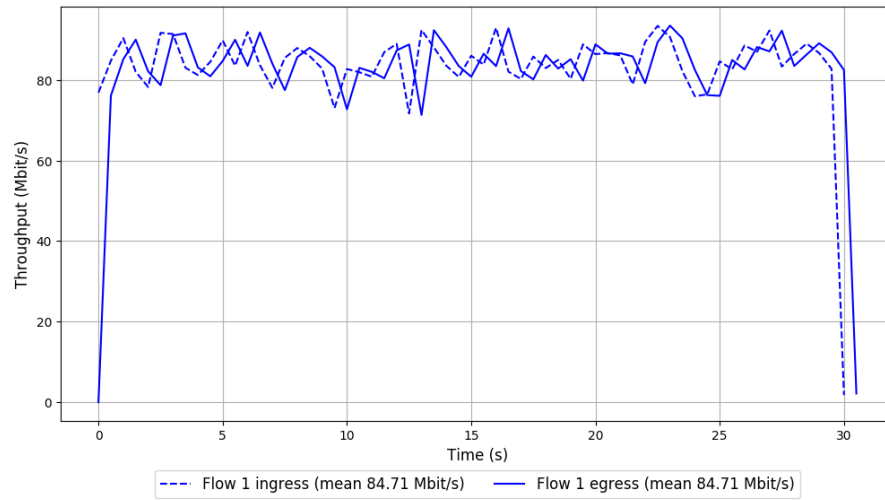


Run 2: Statistics of Copa

Start at: 2018-08-21 19:21:26  
End at: 2018-08-21 19:21:56  
Local clock offset: -4.56 ms  
Remote clock offset: -8.533 ms

# Below is generated by plot.py at 2018-08-21 22:12:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.71 Mbit/s  
95th percentile per-packet one-way delay: 4.790 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 84.71 Mbit/s  
95th percentile per-packet one-way delay: 4.790 ms  
Loss rate: 0.01%

## Run 2: Report of Copa — Data Link

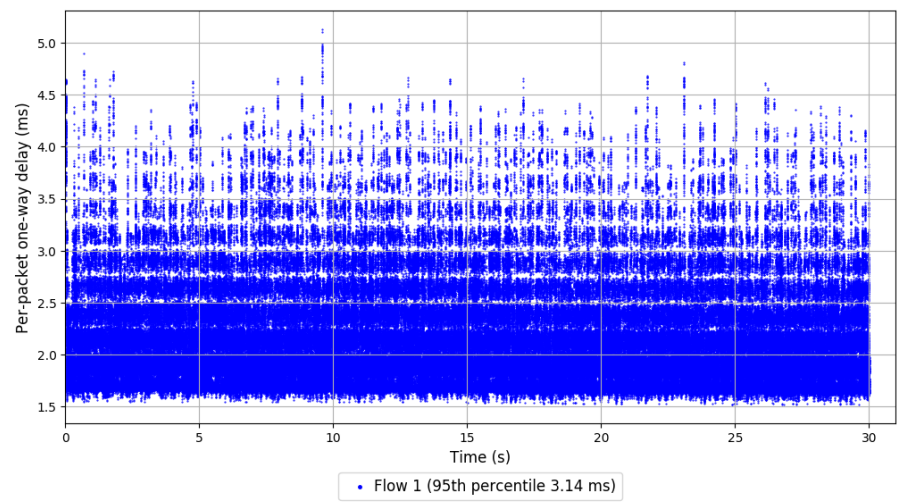
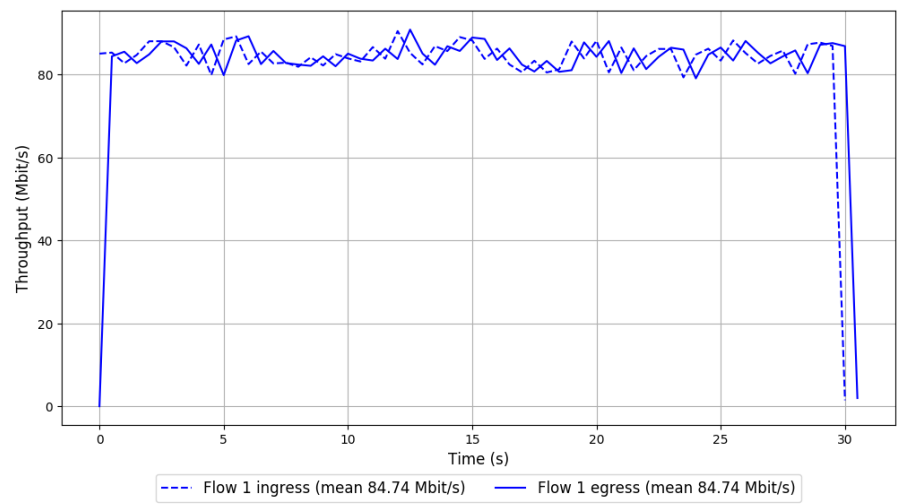


Run 3: Statistics of Copa

Start at: 2018-08-21 19:40:26  
End at: 2018-08-21 19:40:56  
Local clock offset: -4.83 ms  
Remote clock offset: -3.312 ms

# Below is generated by plot.py at 2018-08-21 22:12:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.74 Mbit/s  
95th percentile per-packet one-way delay: 3.136 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 84.74 Mbit/s  
95th percentile per-packet one-way delay: 3.136 ms  
Loss rate: 0.00%

Run 3: Report of Copa — Data Link

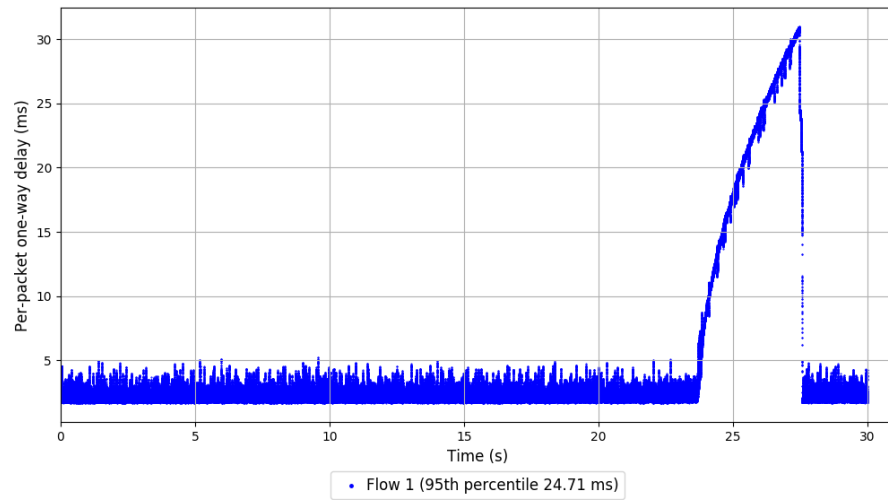
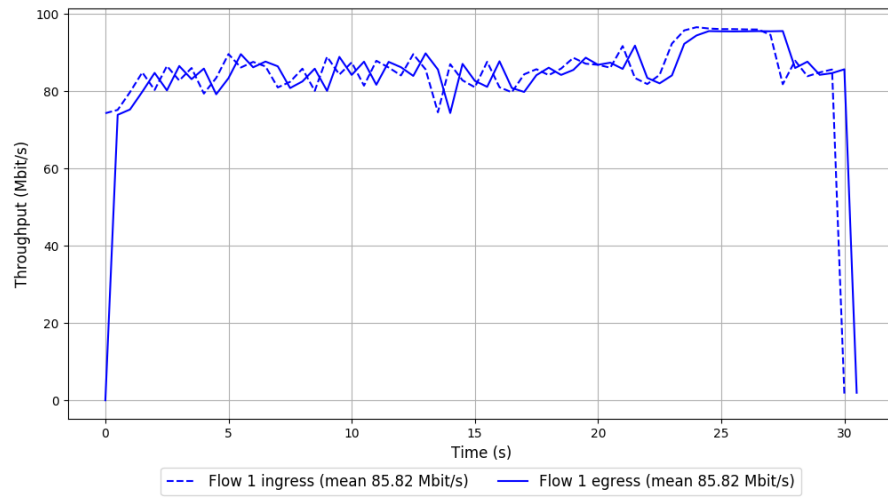


Run 4: Statistics of Copa

Start at: 2018-08-21 19:59:28  
End at: 2018-08-21 19:59:58  
Local clock offset: -4.145 ms  
Remote clock offset: -2.233 ms

# Below is generated by plot.py at 2018-08-21 22:12:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.82 Mbit/s  
95th percentile per-packet one-way delay: 24.712 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 85.82 Mbit/s  
95th percentile per-packet one-way delay: 24.712 ms  
Loss rate: 0.00%

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

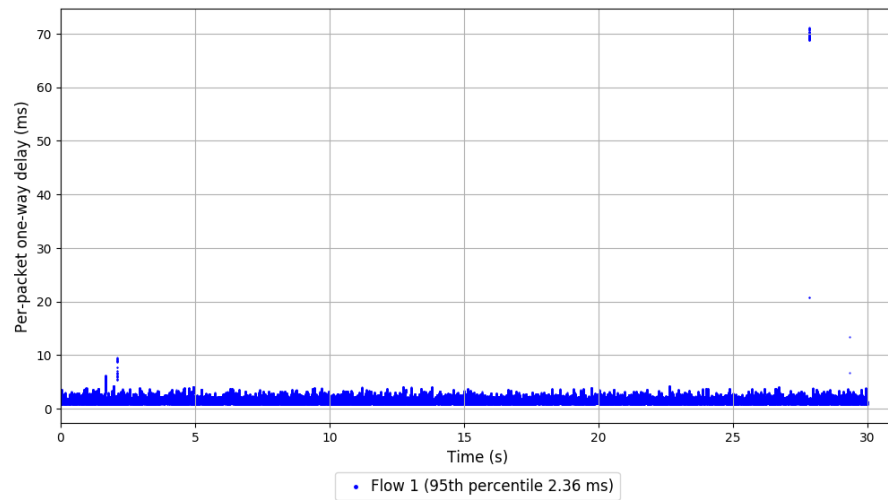
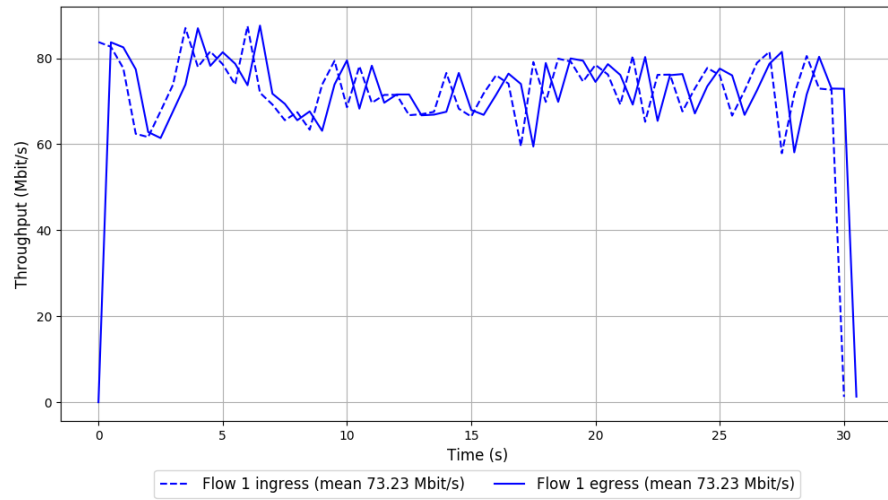


Run 5: Statistics of Copa

Start at: 2018-08-21 20:18:30  
End at: 2018-08-21 20:19:00  
Local clock offset: -2.163 ms  
Remote clock offset: -1.973 ms

# Below is generated by plot.py at 2018-08-21 22:12:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 73.23 Mbit/s  
95th percentile per-packet one-way delay: 2.362 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 73.23 Mbit/s  
95th percentile per-packet one-way delay: 2.362 ms  
Loss rate: 0.00%

### Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-08-21 20:37:29

End at: 2018-08-21 20:37:59

Local clock offset: -1.436 ms

Remote clock offset: -2.18 ms

# Below is generated by plot.py at 2018-08-21 22:12:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.74 Mbit/s

95th percentile per-packet one-way delay: 3.665 ms

Loss rate: 0.01%

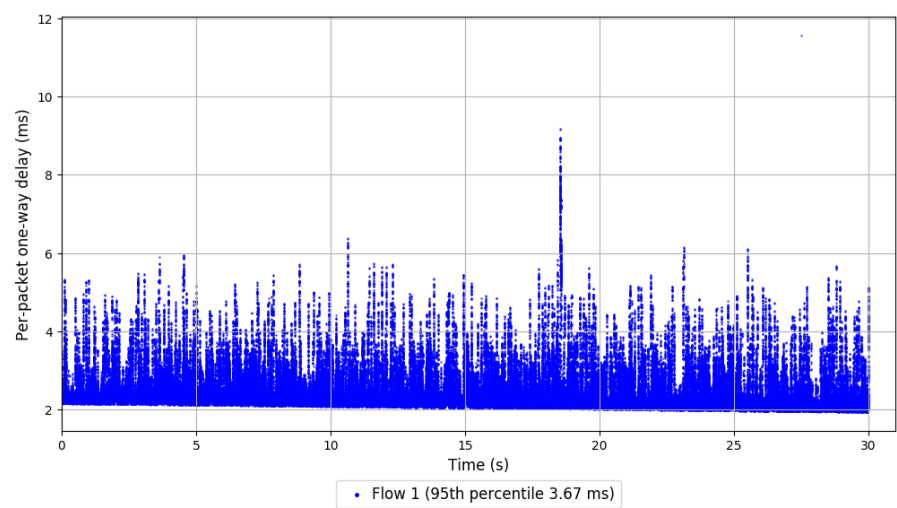
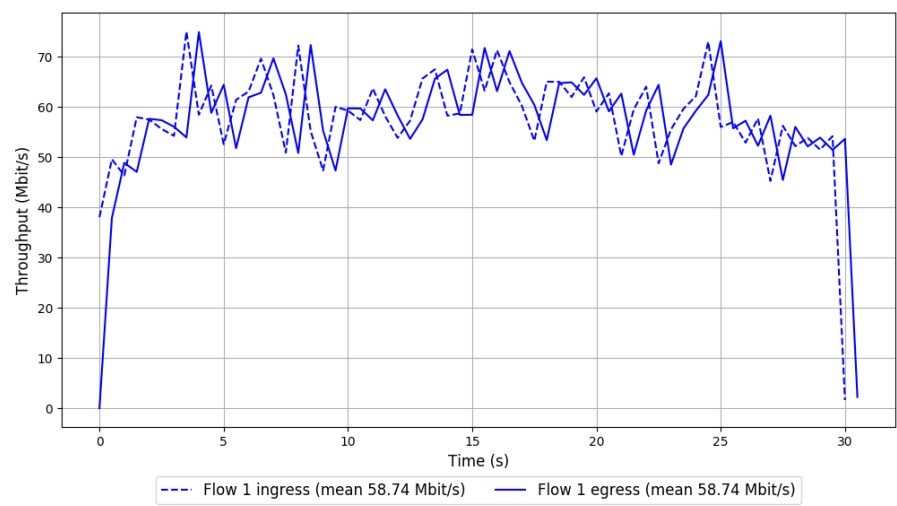
-- Flow 1:

Average throughput: 58.74 Mbit/s

95th percentile per-packet one-way delay: 3.665 ms

Loss rate: 0.01%

Run 6: Report of Copa — Data Link

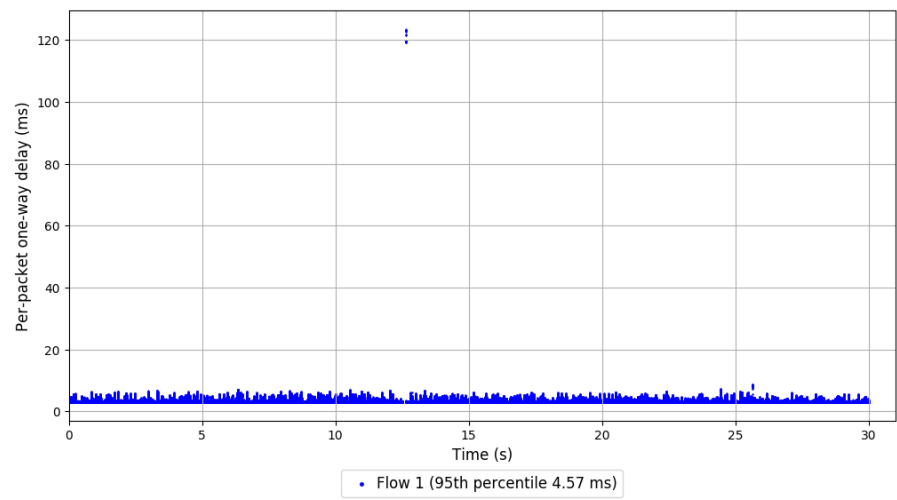
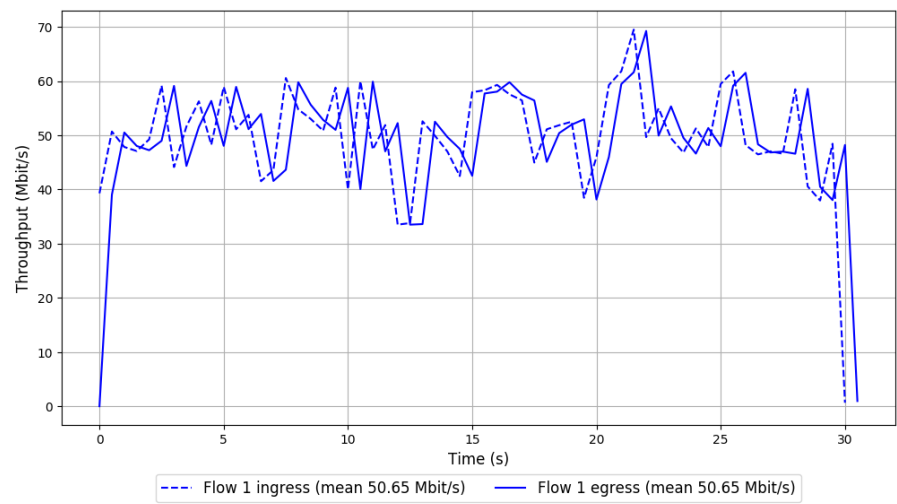


Run 7: Statistics of Copa

Start at: 2018-08-21 20:56:22  
End at: 2018-08-21 20:56:52  
Local clock offset: -6.462 ms  
Remote clock offset: -2.578 ms

# Below is generated by plot.py at 2018-08-21 22:12:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.65 Mbit/s  
95th percentile per-packet one-way delay: 4.571 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.65 Mbit/s  
95th percentile per-packet one-way delay: 4.571 ms  
Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-08-21 21:15:27

End at: 2018-08-21 21:15:57

Local clock offset: -6.114 ms

Remote clock offset: 8.161 ms

# Below is generated by plot.py at 2018-08-21 22:12:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 47.27 Mbit/s

95th percentile per-packet one-way delay: 3.615 ms

Loss rate: 0.01%

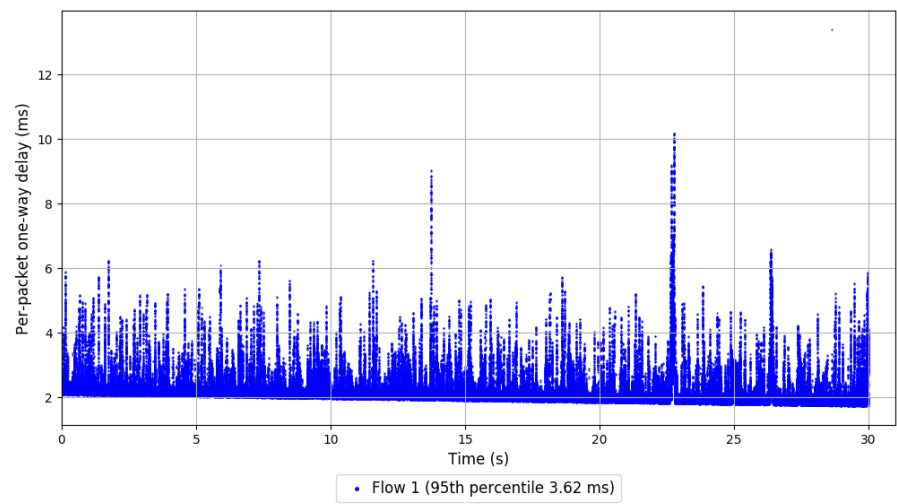
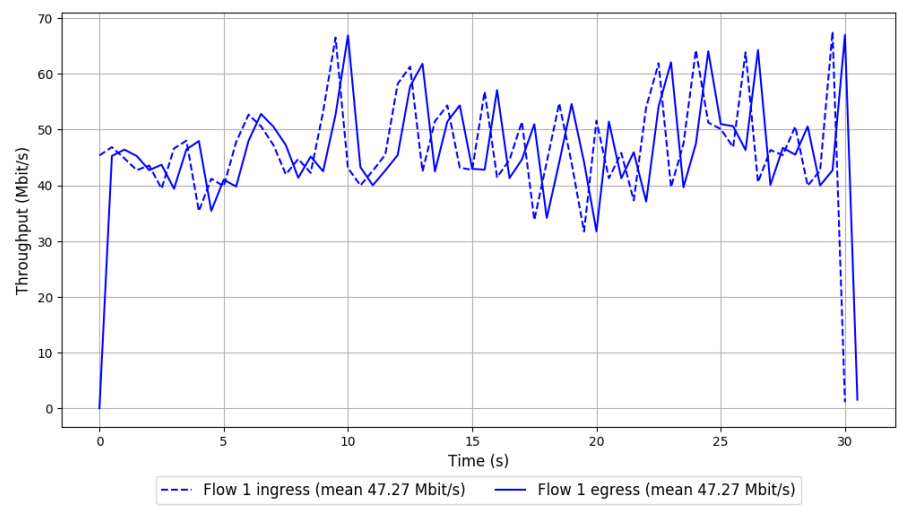
-- Flow 1:

Average throughput: 47.27 Mbit/s

95th percentile per-packet one-way delay: 3.615 ms

Loss rate: 0.01%

Run 8: Report of Copa — Data Link

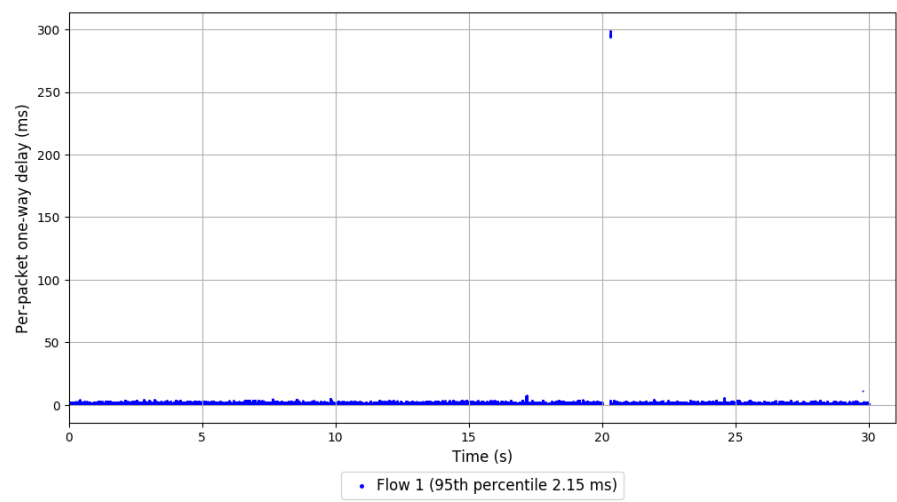
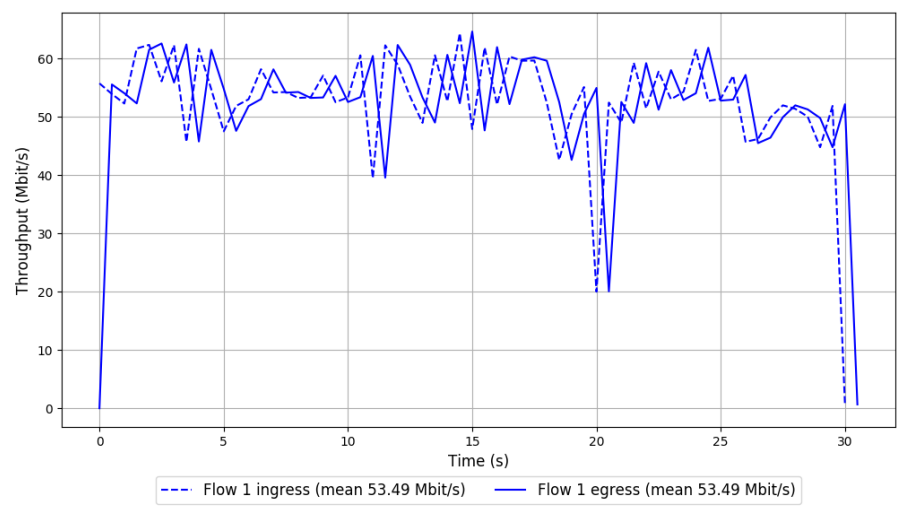


Run 9: Statistics of Copa

Start at: 2018-08-21 21:34:23  
End at: 2018-08-21 21:34:53  
Local clock offset: -6.154 ms  
Remote clock offset: 16.975 ms

# Below is generated by plot.py at 2018-08-21 22:12:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 53.49 Mbit/s  
95th percentile per-packet one-way delay: 2.146 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 53.49 Mbit/s  
95th percentile per-packet one-way delay: 2.146 ms  
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

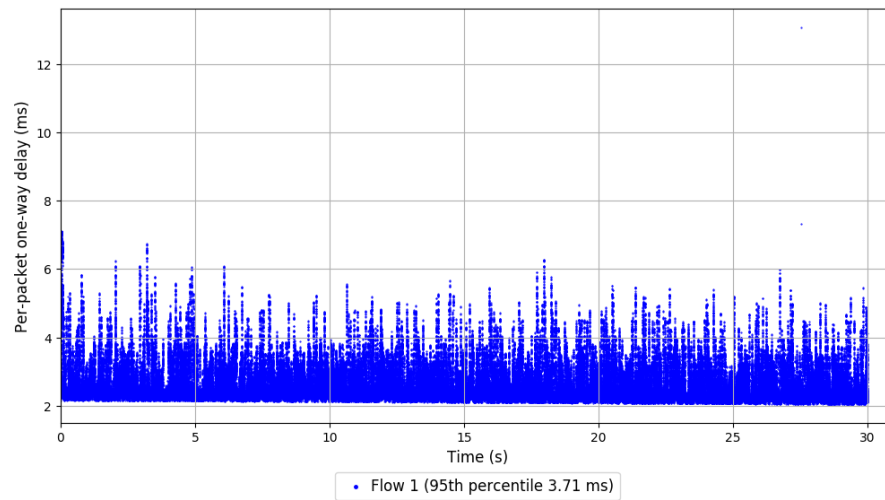
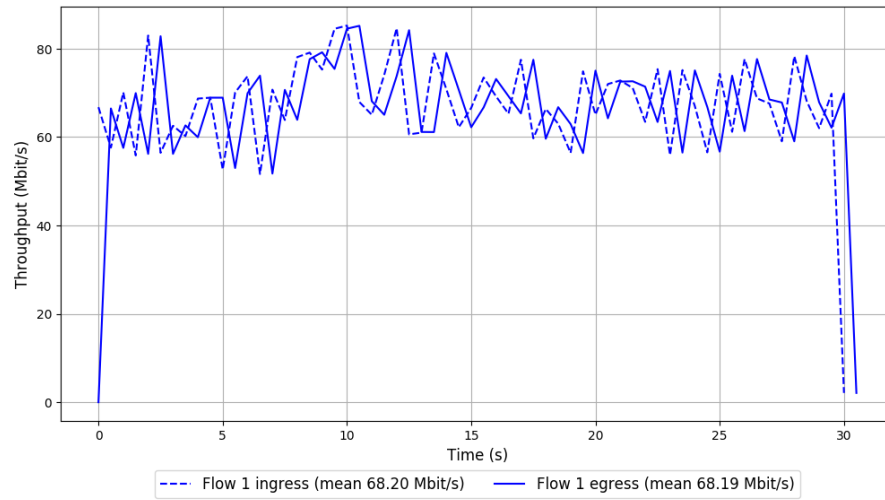


Run 10: Statistics of Copa

Start at: 2018-08-21 21:53:22  
End at: 2018-08-21 21:53:52  
Local clock offset: -4.596 ms  
Remote clock offset: 22.555 ms

# Below is generated by plot.py at 2018-08-21 22:13:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.19 Mbit/s  
95th percentile per-packet one-way delay: 3.710 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 68.19 Mbit/s  
95th percentile per-packet one-way delay: 3.710 ms  
Loss rate: 0.01%

# Run 10: Report of Copa — Data Link

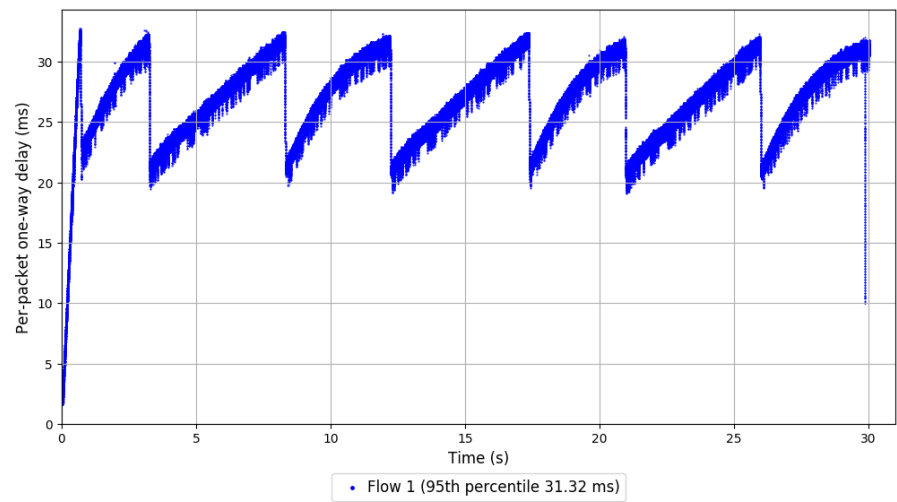
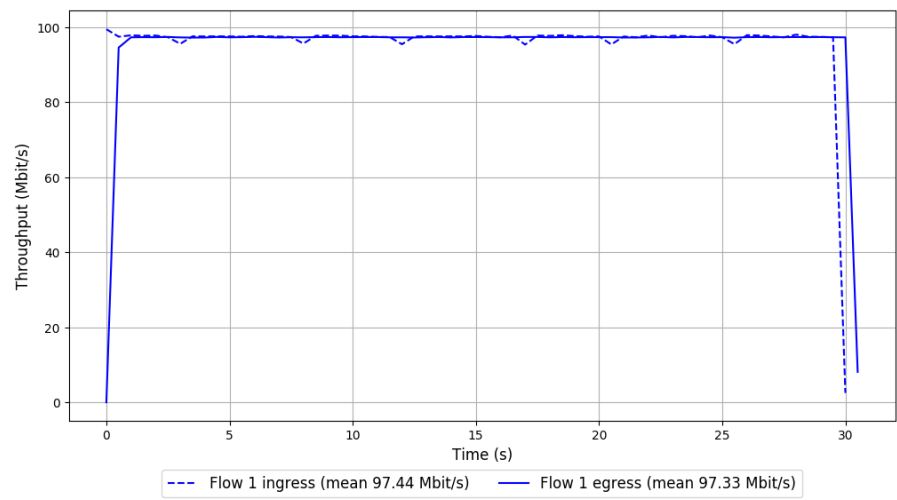


Run 1: Statistics of TCP Cubic

Start at: 2018-08-21 19:06:51  
End at: 2018-08-21 19:07:21  
Local clock offset: 1.266 ms  
Remote clock offset: -7.216 ms

# Below is generated by plot.py at 2018-08-21 22:13:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.33 Mbit/s  
95th percentile per-packet one-way delay: 31.319 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 97.33 Mbit/s  
95th percentile per-packet one-way delay: 31.319 ms  
Loss rate: 0.02%

Run 1: Report of TCP Cubic — Data Link

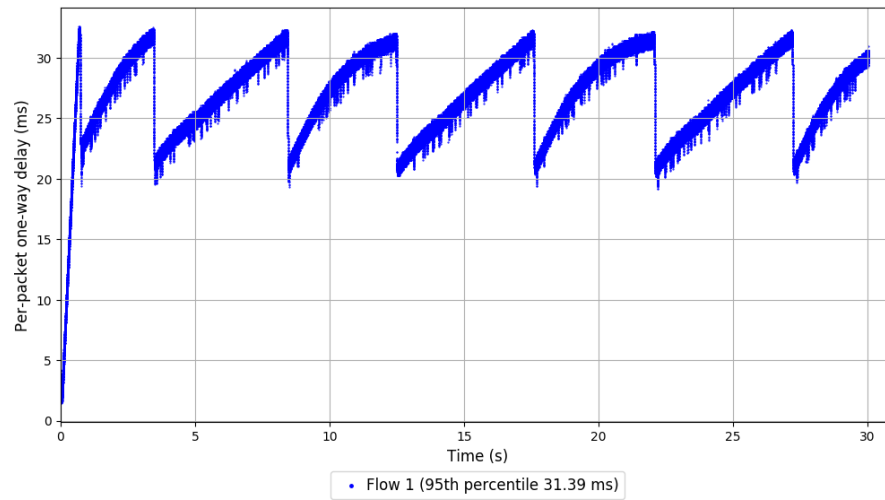
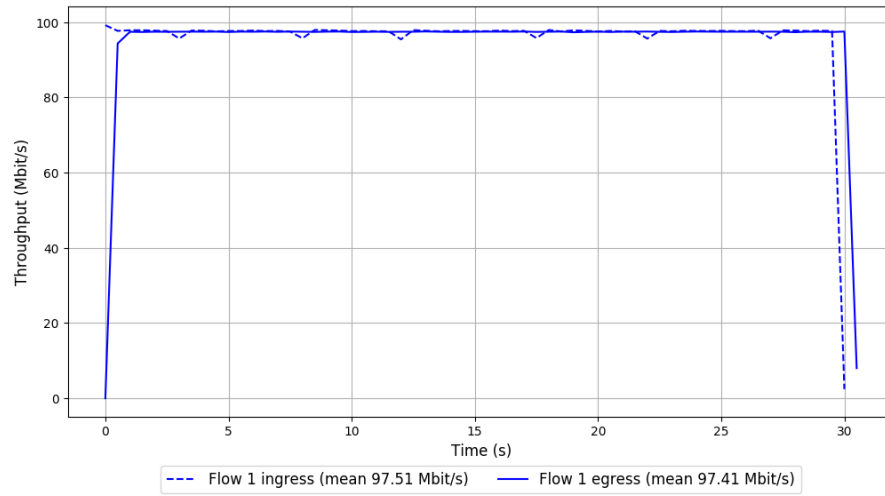


Run 2: Statistics of TCP Cubic

Start at: 2018-08-21 19:25:52  
End at: 2018-08-21 19:26:22  
Local clock offset: -3.336 ms  
Remote clock offset: -7.143 ms

# Below is generated by plot.py at 2018-08-21 22:13:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.41 Mbit/s  
95th percentile per-packet one-way delay: 31.391 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 97.41 Mbit/s  
95th percentile per-packet one-way delay: 31.391 ms  
Loss rate: 0.01%

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

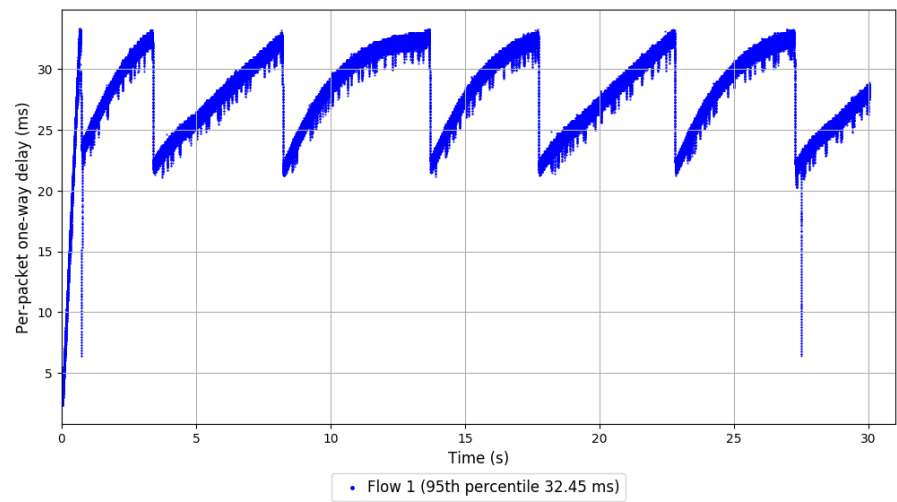
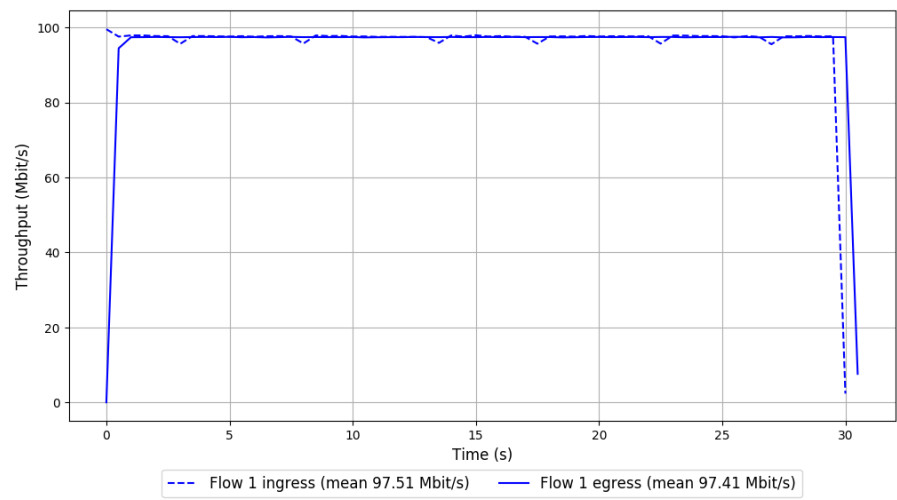


Run 3: Statistics of TCP Cubic

Start at: 2018-08-21 19:44:54  
End at: 2018-08-21 19:45:24  
Local clock offset: -3.869 ms  
Remote clock offset: -2.864 ms

# Below is generated by plot.py at 2018-08-21 22:13:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.41 Mbit/s  
95th percentile per-packet one-way delay: 32.447 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 97.41 Mbit/s  
95th percentile per-packet one-way delay: 32.447 ms  
Loss rate: 0.02%

Run 3: Report of TCP Cubic — Data Link

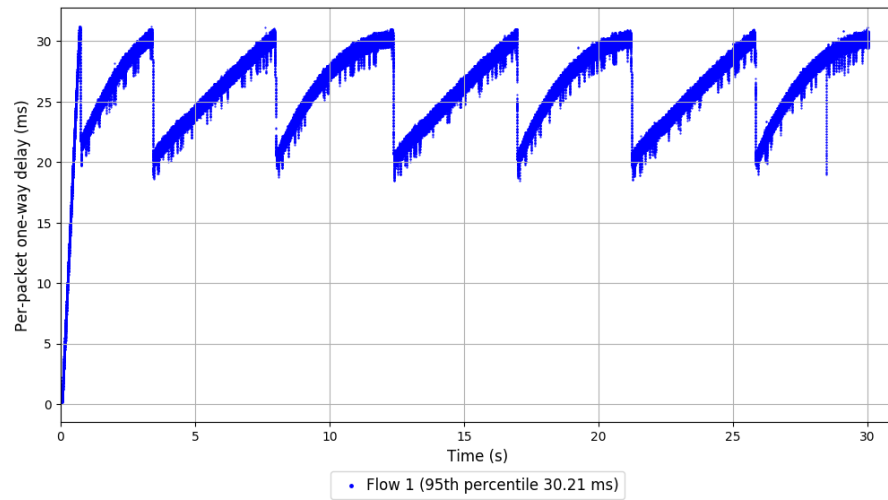
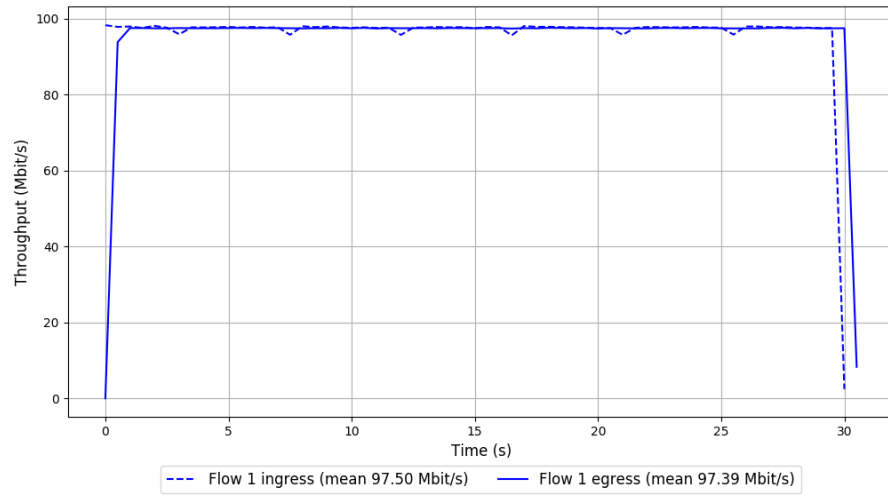


Run 4: Statistics of TCP Cubic

Start at: 2018-08-21 20:03:55  
End at: 2018-08-21 20:04:25  
Local clock offset: -2.391 ms  
Remote clock offset: -2.194 ms

# Below is generated by plot.py at 2018-08-21 22:13:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.39 Mbit/s  
95th percentile per-packet one-way delay: 30.207 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 97.39 Mbit/s  
95th percentile per-packet one-way delay: 30.207 ms  
Loss rate: 0.01%

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



Run 5: Statistics of TCP Cubic

Start at: 2018-08-21 20:22:58

End at: 2018-08-21 20:23:28

Local clock offset: -1.93 ms

Remote clock offset: -1.87 ms

# Below is generated by plot.py at 2018-08-21 22:13:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.47 Mbit/s

95th percentile per-packet one-way delay: 31.269 ms

Loss rate: 0.02%

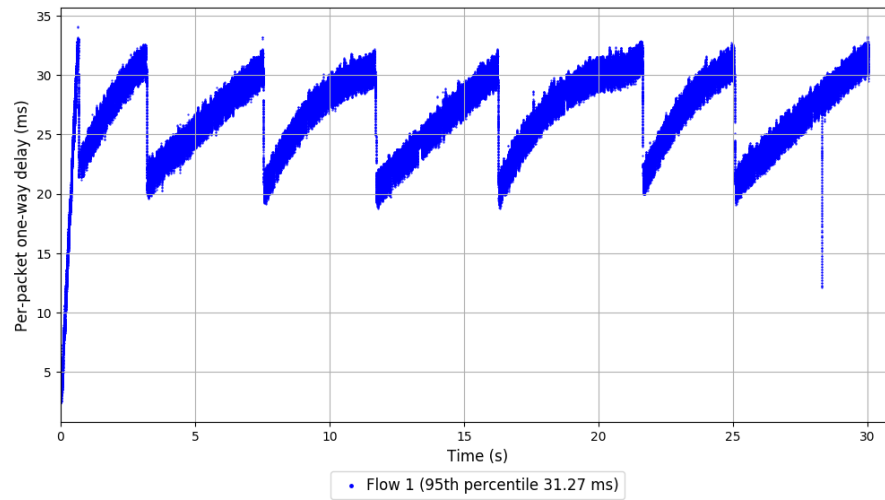
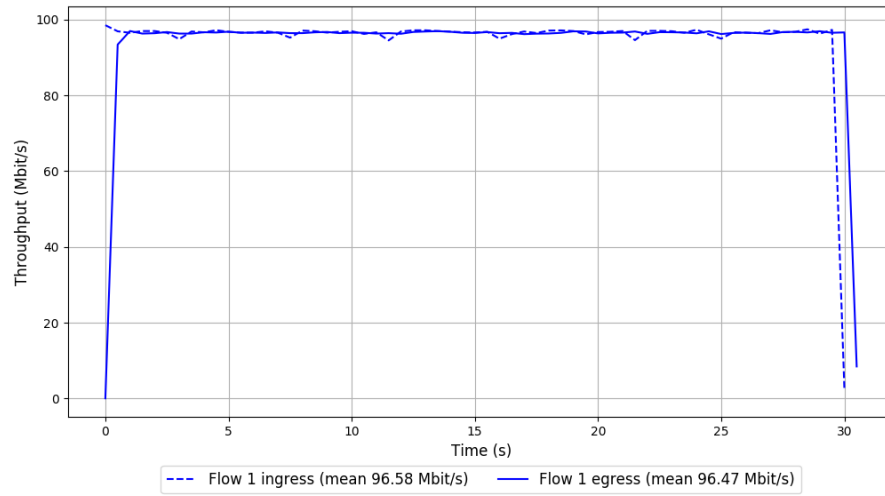
-- Flow 1:

Average throughput: 96.47 Mbit/s

95th percentile per-packet one-way delay: 31.269 ms

Loss rate: 0.02%

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

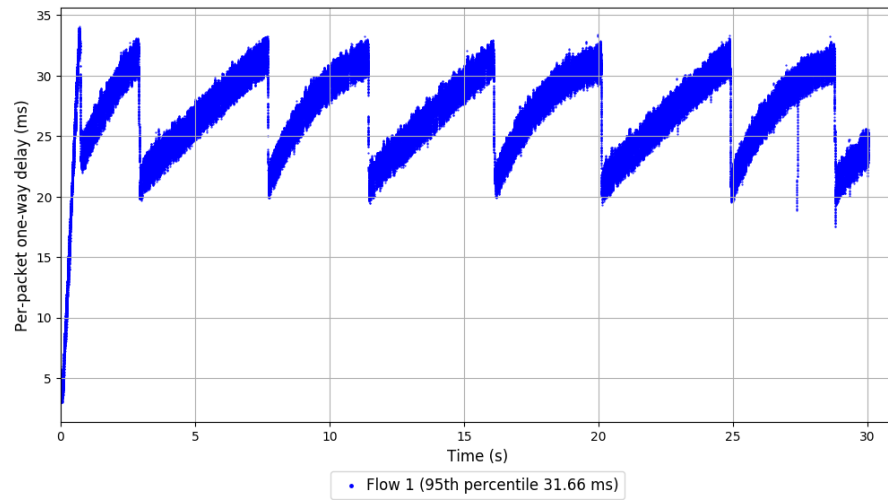
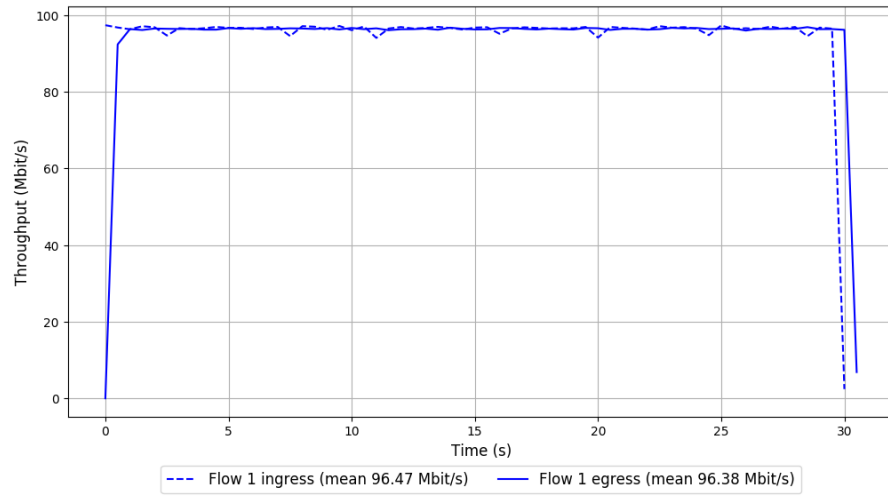


Run 6: Statistics of TCP Cubic

Start at: 2018-08-21 20:41:56  
End at: 2018-08-21 20:42:26  
Local clock offset: -4.06 ms  
Remote clock offset: -2.384 ms

# Below is generated by plot.py at 2018-08-21 22:13:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.38 Mbit/s  
95th percentile per-packet one-way delay: 31.662 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 96.38 Mbit/s  
95th percentile per-packet one-way delay: 31.662 ms  
Loss rate: 0.03%

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

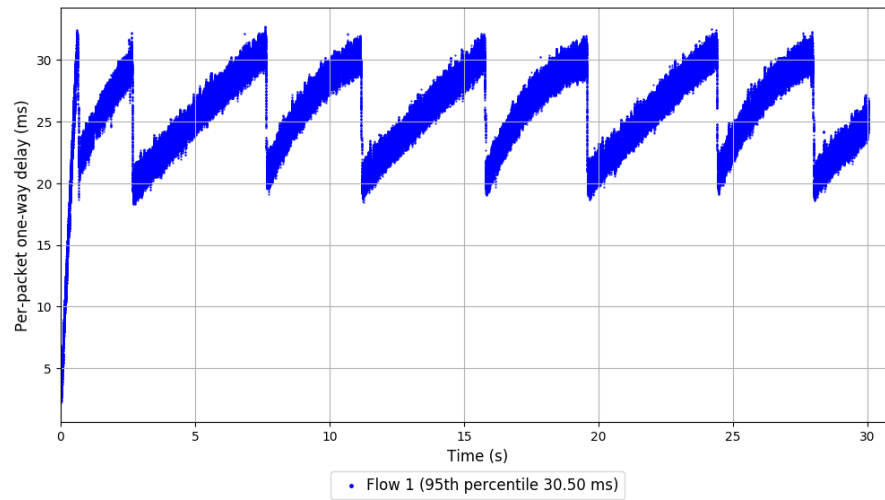
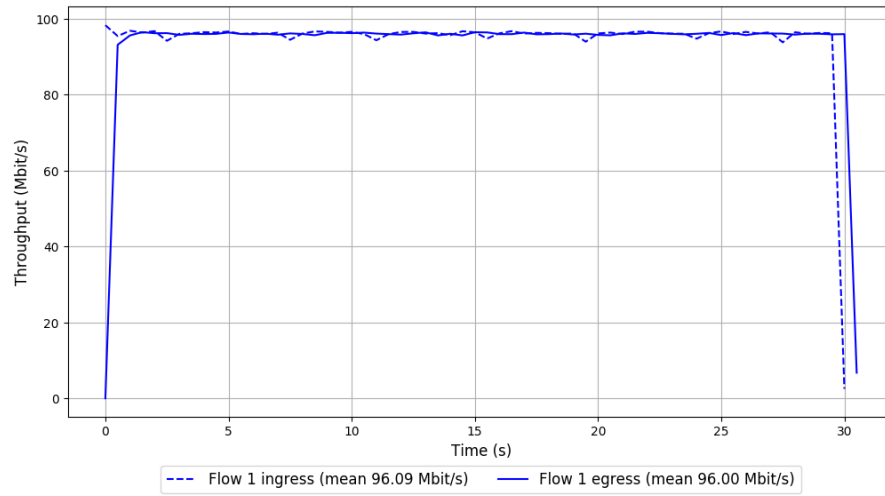


Run 7: Statistics of TCP Cubic

Start at: 2018-08-21 21:00:54  
End at: 2018-08-21 21:01:24  
Local clock offset: -5.968 ms  
Remote clock offset: -2.527 ms

# Below is generated by plot.py at 2018-08-21 22:14:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.00 Mbit/s  
95th percentile per-packet one-way delay: 30.503 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 96.00 Mbit/s  
95th percentile per-packet one-way delay: 30.503 ms  
Loss rate: 0.03%

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

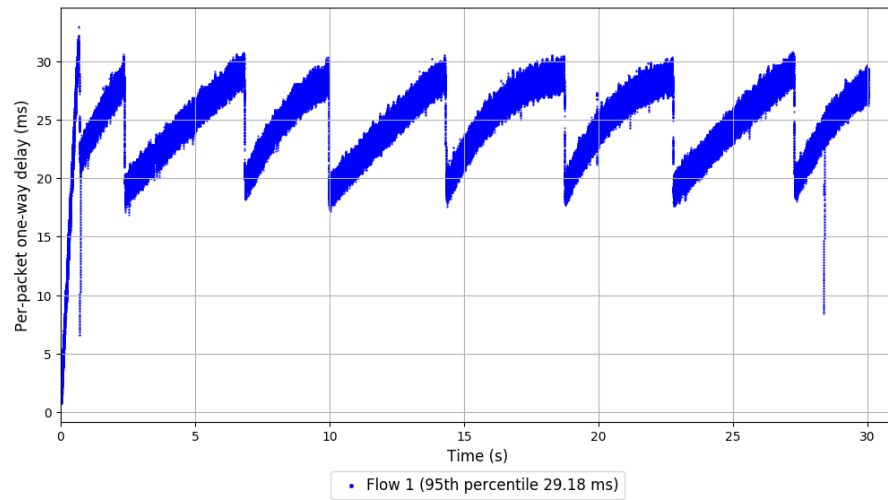
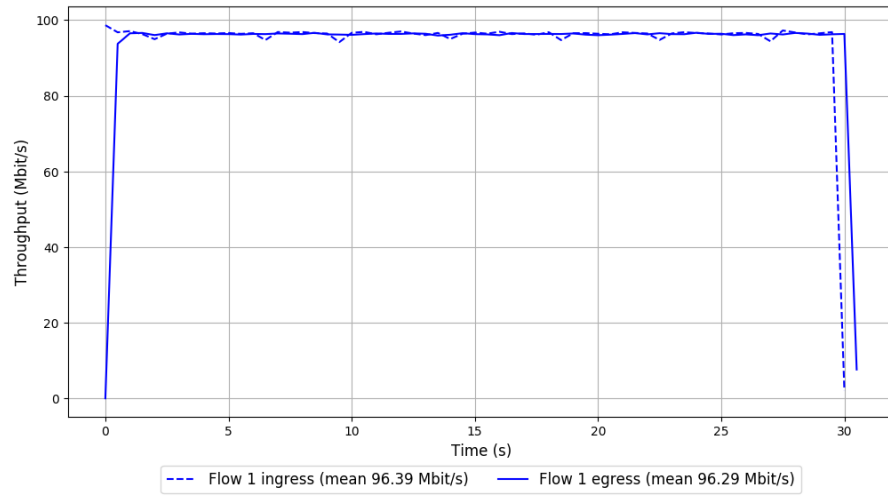


Run 8: Statistics of TCP Cubic

Start at: 2018-08-21 21:19:53  
End at: 2018-08-21 21:20:23  
Local clock offset: -6.117 ms  
Remote clock offset: 11.104 ms

# Below is generated by plot.py at 2018-08-21 22:14:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.29 Mbit/s  
95th percentile per-packet one-way delay: 29.185 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 96.29 Mbit/s  
95th percentile per-packet one-way delay: 29.185 ms  
Loss rate: 0.02%

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

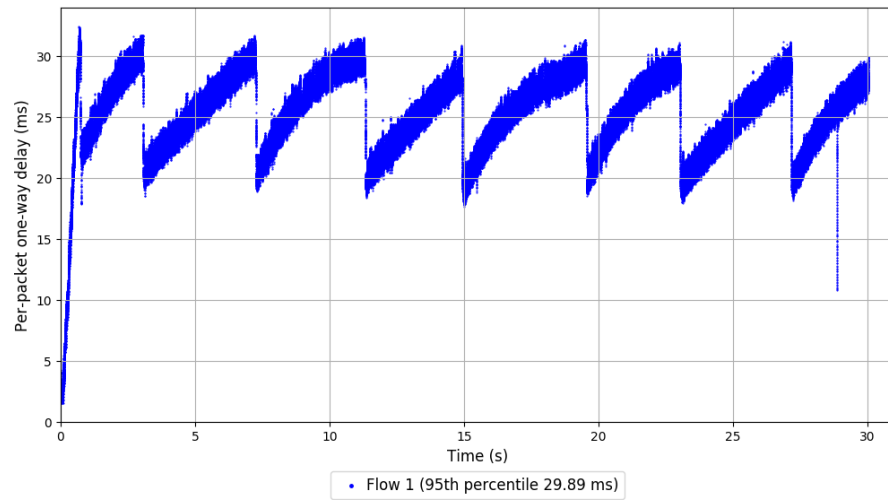
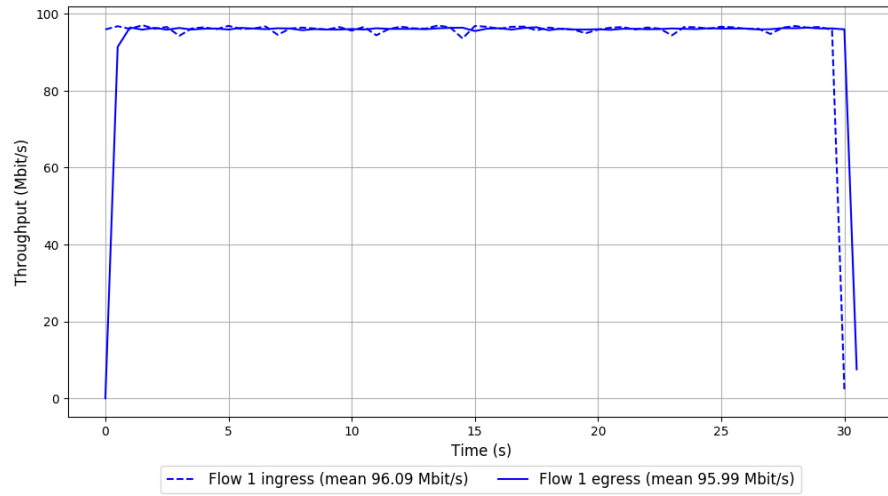


Run 9: Statistics of TCP Cubic

Start at: 2018-08-21 21:38:50  
End at: 2018-08-21 21:39:20  
Local clock offset: -6.642 ms  
Remote clock offset: 18.367 ms

# Below is generated by plot.py at 2018-08-21 22:14:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.99 Mbit/s  
95th percentile per-packet one-way delay: 29.895 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 95.99 Mbit/s  
95th percentile per-packet one-way delay: 29.895 ms  
Loss rate: 0.01%

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

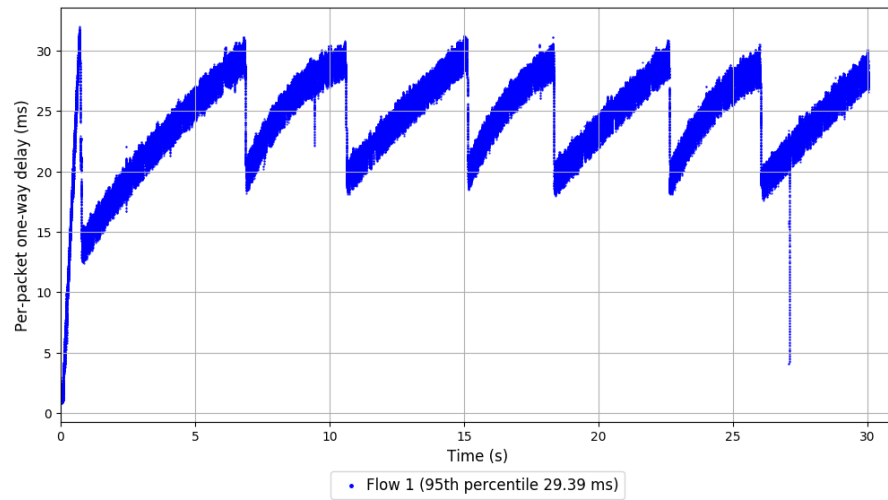
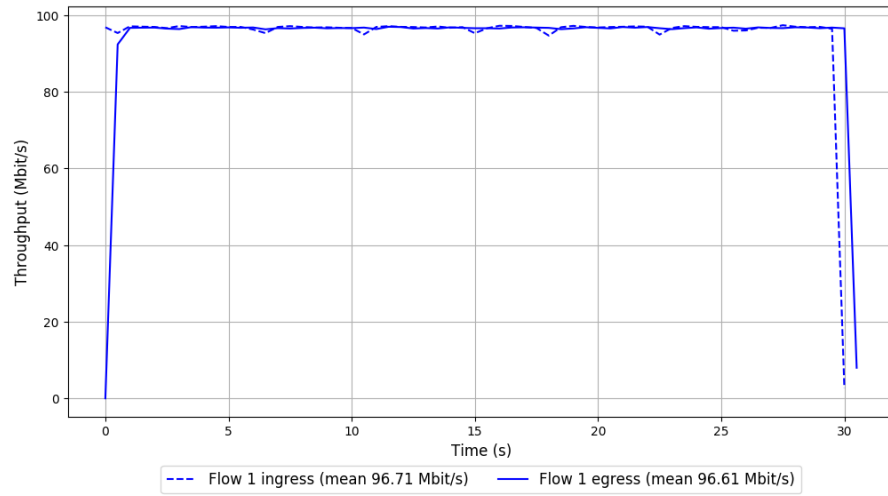


Run 10: Statistics of TCP Cubic

Start at: 2018-08-21 21:57:49  
End at: 2018-08-21 21:58:19  
Local clock offset: -4.423 ms  
Remote clock offset: 23.918 ms

# Below is generated by plot.py at 2018-08-21 22:14:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.61 Mbit/s  
95th percentile per-packet one-way delay: 29.392 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 96.61 Mbit/s  
95th percentile per-packet one-way delay: 29.392 ms  
Loss rate: 0.01%

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

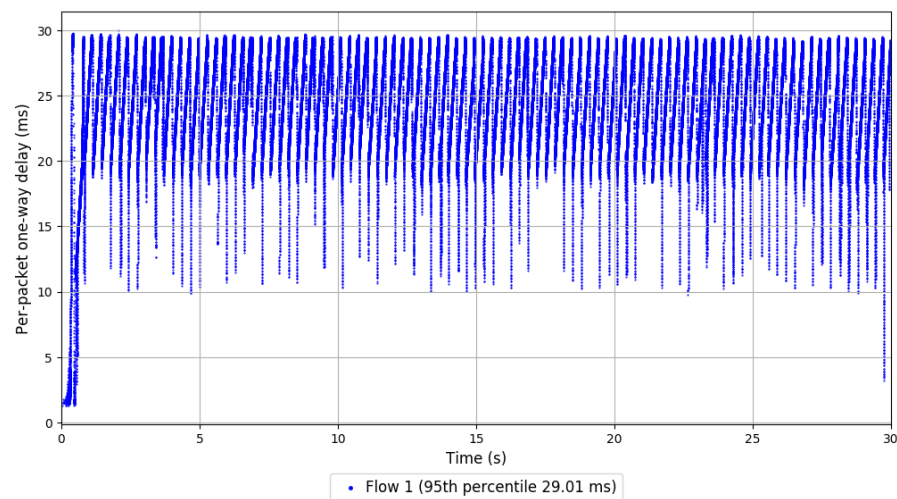
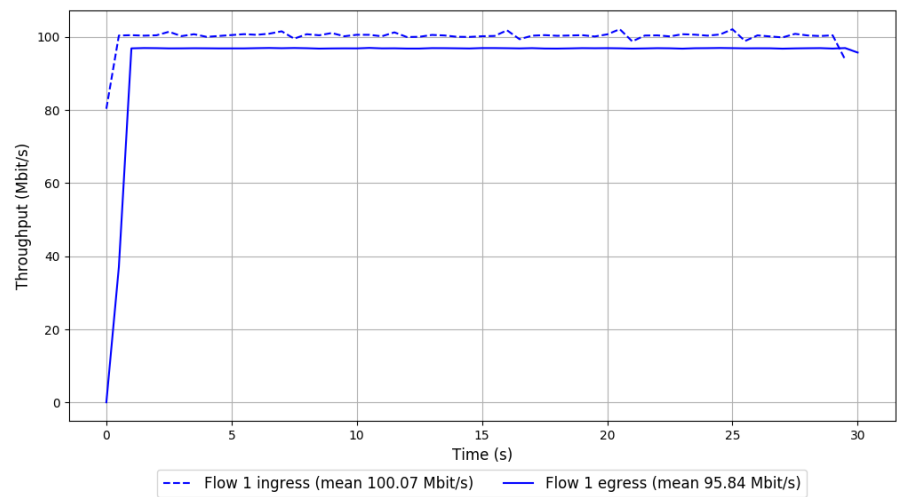


Run 1: Statistics of FillP

Start at: 2018-08-21 19:10:11  
End at: 2018-08-21 19:10:41  
Local clock offset: -1.789 ms  
Remote clock offset: -7.536 ms

# Below is generated by plot.py at 2018-08-21 22:14:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.84 Mbit/s  
95th percentile per-packet one-way delay: 29.011 ms  
Loss rate: 4.13%  
-- Flow 1:  
Average throughput: 95.84 Mbit/s  
95th percentile per-packet one-way delay: 29.011 ms  
Loss rate: 4.13%

Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

Start at: 2018-08-21 19:29:12

End at: 2018-08-21 19:29:42

Local clock offset: -4.97 ms

Remote clock offset: -5.72 ms

# Below is generated by plot.py at 2018-08-21 22:14:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.92 Mbit/s

95th percentile per-packet one-way delay: 29.082 ms

Loss rate: 3.99%

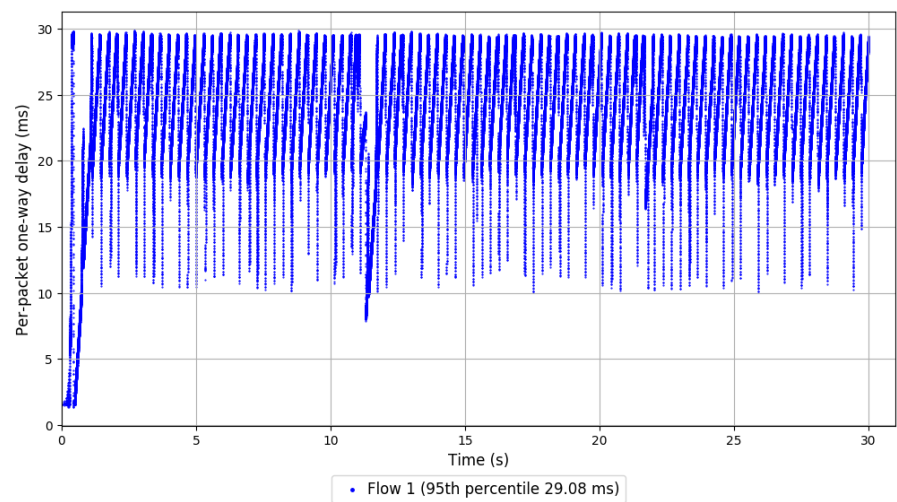
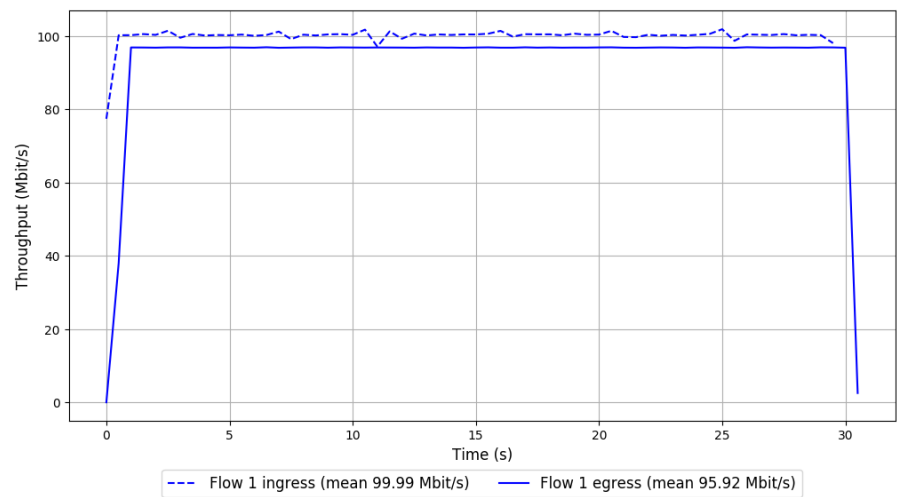
-- Flow 1:

Average throughput: 95.92 Mbit/s

95th percentile per-packet one-way delay: 29.082 ms

Loss rate: 3.99%

Run 2: Report of FillP — Data Link

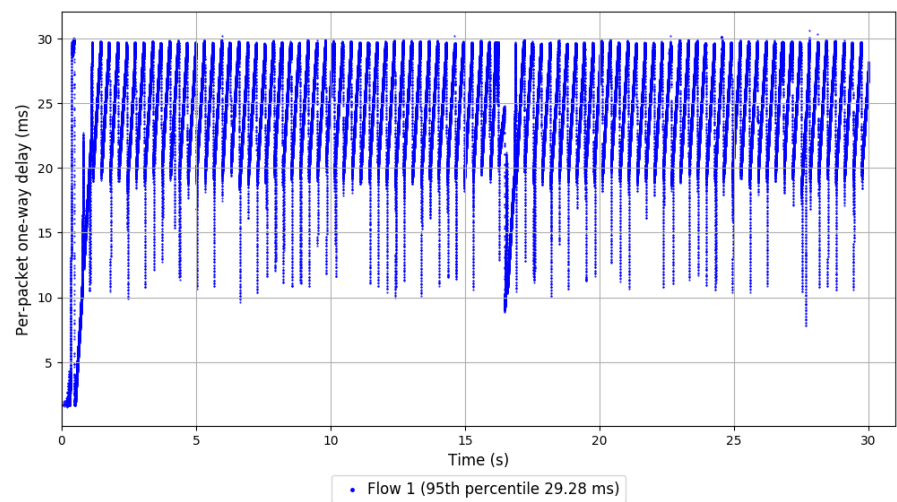
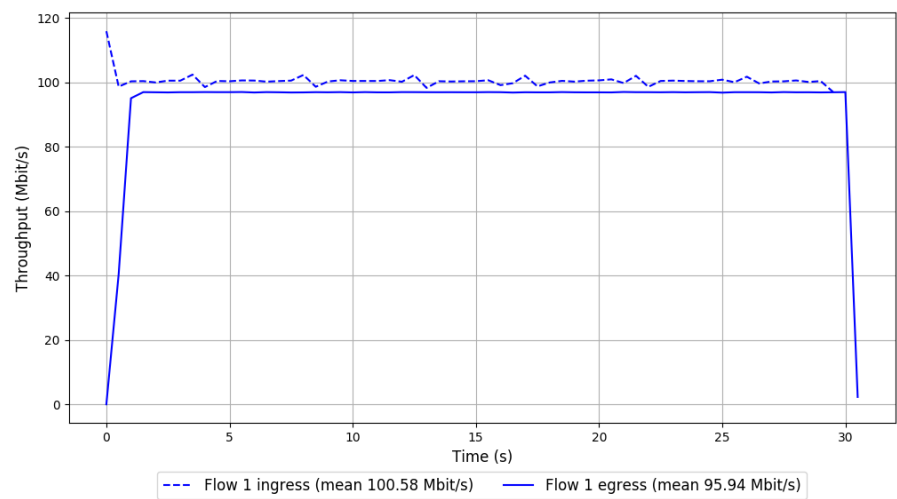


Run 3: Statistics of FillP

Start at: 2018-08-21 19:48:13  
End at: 2018-08-21 19:48:43  
Local clock offset: -4.568 ms  
Remote clock offset: -2.724 ms

# Below is generated by plot.py at 2018-08-21 22:15:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.94 Mbit/s  
95th percentile per-packet one-way delay: 29.276 ms  
Loss rate: 4.52%  
-- Flow 1:  
Average throughput: 95.94 Mbit/s  
95th percentile per-packet one-way delay: 29.276 ms  
Loss rate: 4.52%

Run 3: Report of FillP — Data Link

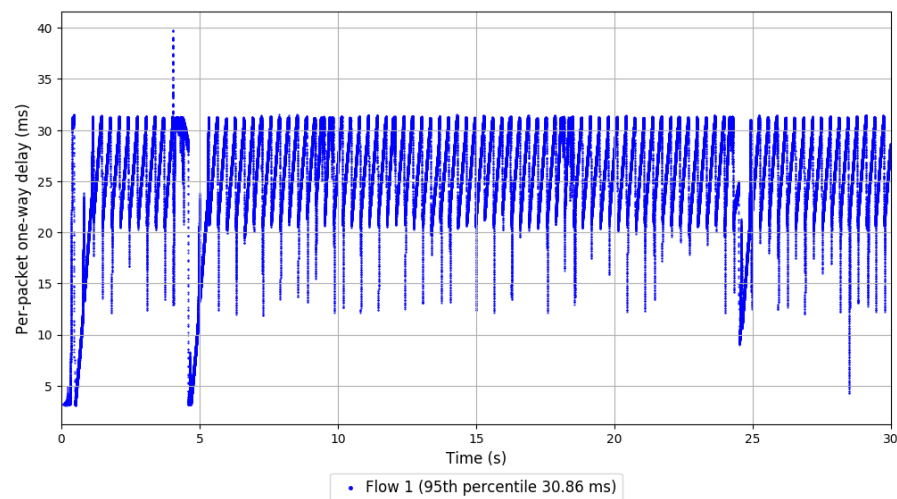
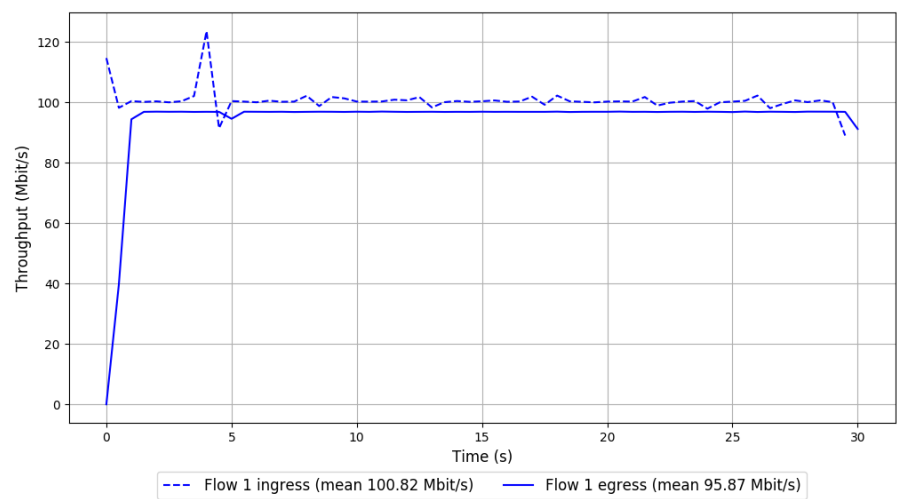


Run 4: Statistics of FillP

Start at: 2018-08-21 20:07:15  
End at: 2018-08-21 20:07:45  
Local clock offset: -3.824 ms  
Remote clock offset: -2.139 ms

# Below is generated by plot.py at 2018-08-21 22:15:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.87 Mbit/s  
95th percentile per-packet one-way delay: 30.861 ms  
Loss rate: 4.83%  
-- Flow 1:  
Average throughput: 95.87 Mbit/s  
95th percentile per-packet one-way delay: 30.861 ms  
Loss rate: 4.83%

Run 4: Report of FillP — Data Link

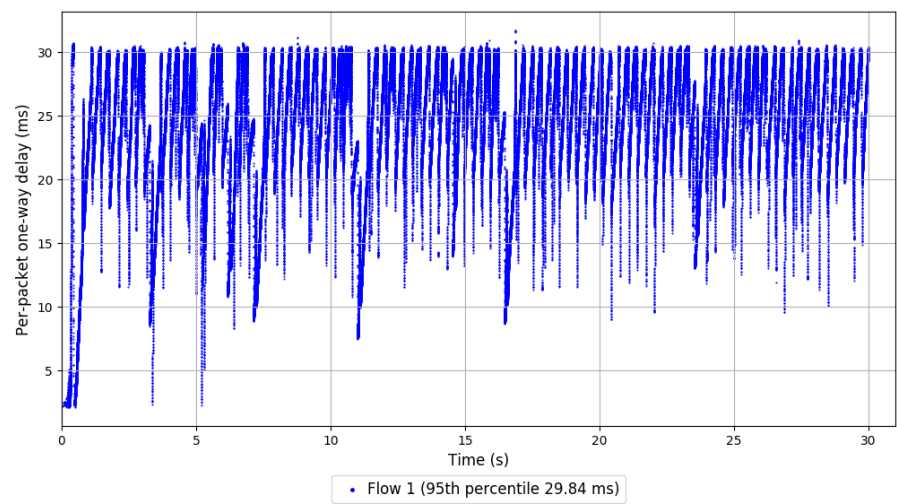
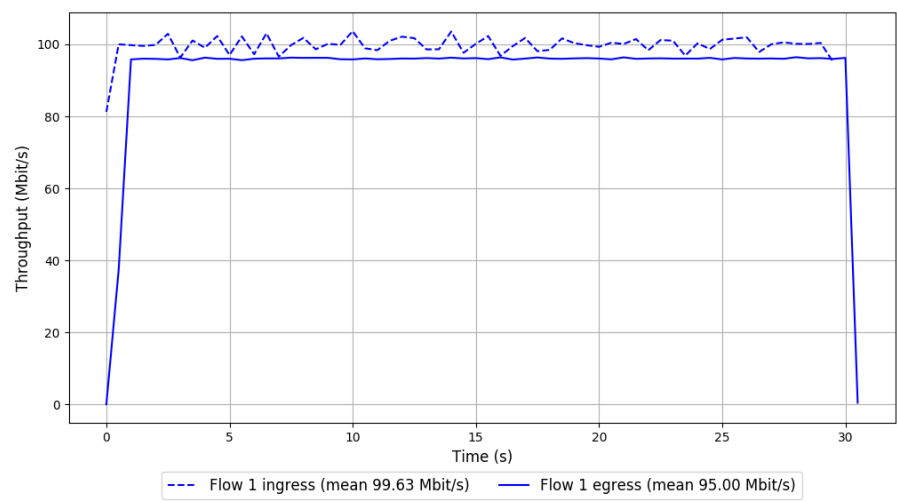


Run 5: Statistics of FillP

Start at: 2018-08-21 20:26:18  
End at: 2018-08-21 20:26:48  
Local clock offset: -1.749 ms  
Remote clock offset: -1.893 ms

# Below is generated by plot.py at 2018-08-21 22:15:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.00 Mbit/s  
95th percentile per-packet one-way delay: 29.842 ms  
Loss rate: 4.57%  
-- Flow 1:  
Average throughput: 95.00 Mbit/s  
95th percentile per-packet one-way delay: 29.842 ms  
Loss rate: 4.57%

Run 5: Report of FillP — Data Link

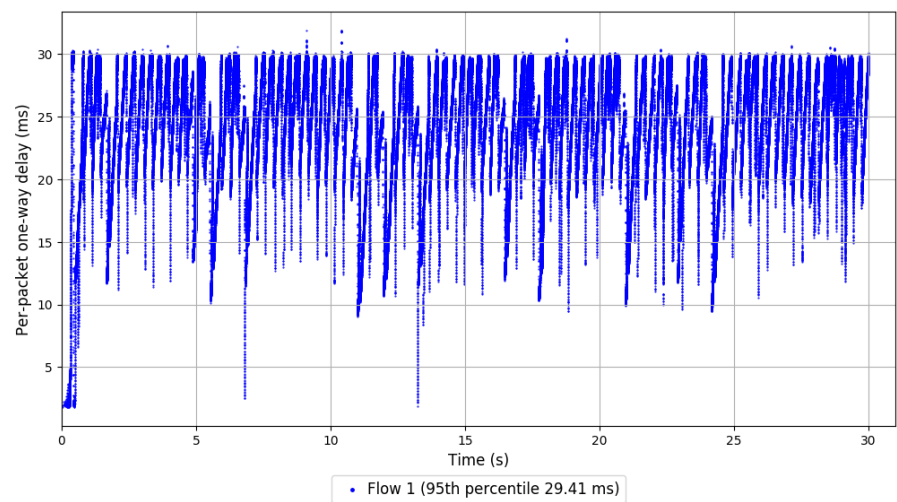
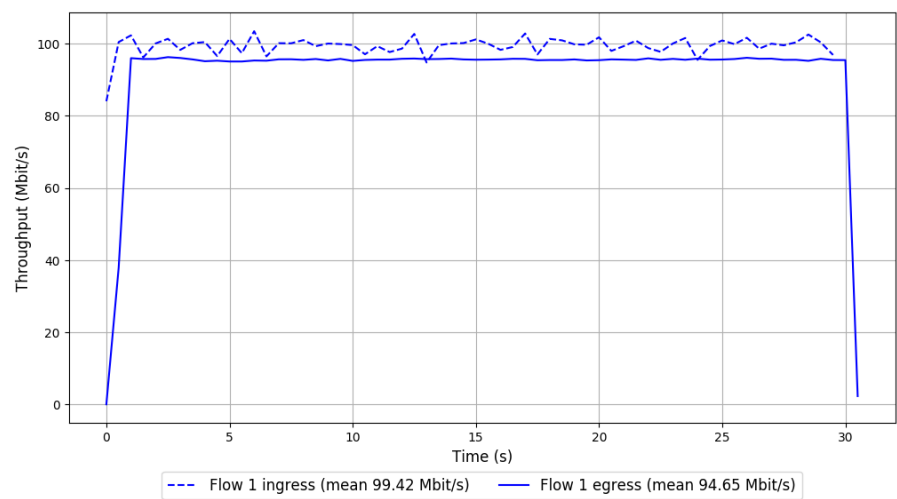


Run 6: Statistics of FillP

Start at: 2018-08-21 20:45:16  
End at: 2018-08-21 20:45:46  
Local clock offset: -3.364 ms  
Remote clock offset: -1.929 ms

# Below is generated by plot.py at 2018-08-21 22:15:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.65 Mbit/s  
95th percentile per-packet one-way delay: 29.408 ms  
Loss rate: 4.71%  
-- Flow 1:  
Average throughput: 94.65 Mbit/s  
95th percentile per-packet one-way delay: 29.408 ms  
Loss rate: 4.71%

Run 6: Report of FillP — Data Link

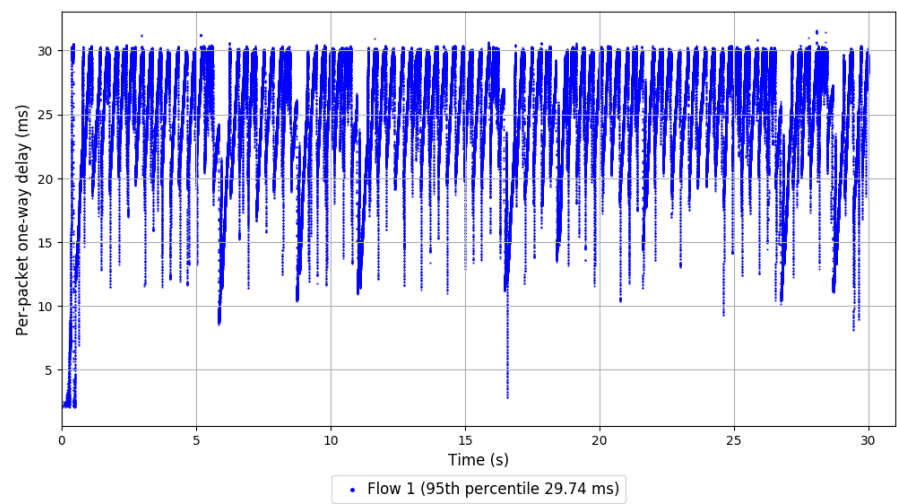
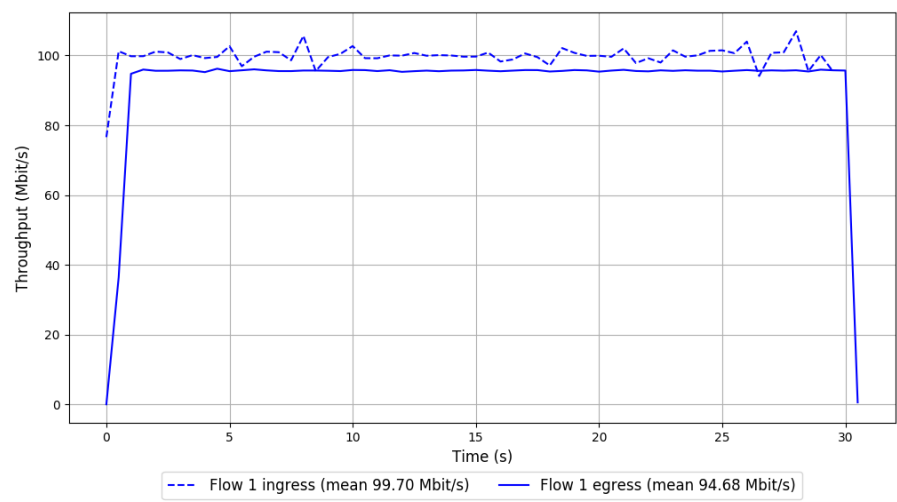


Run 7: Statistics of FillP

Start at: 2018-08-21 21:04:15  
End at: 2018-08-21 21:04:45  
Local clock offset: -6.928 ms  
Remote clock offset: -1.917 ms

# Below is generated by plot.py at 2018-08-21 22:15:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.68 Mbit/s  
95th percentile per-packet one-way delay: 29.738 ms  
Loss rate: 4.96%  
-- Flow 1:  
Average throughput: 94.68 Mbit/s  
95th percentile per-packet one-way delay: 29.738 ms  
Loss rate: 4.96%

Run 7: Report of FillP — Data Link

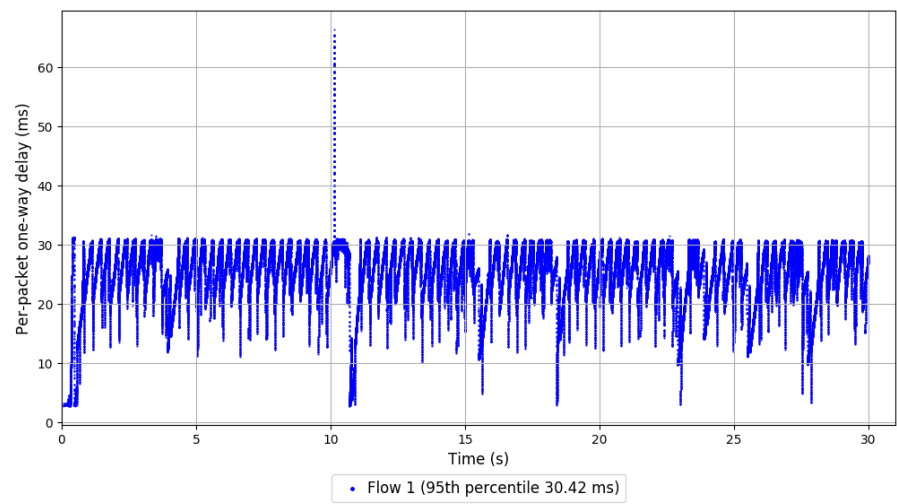
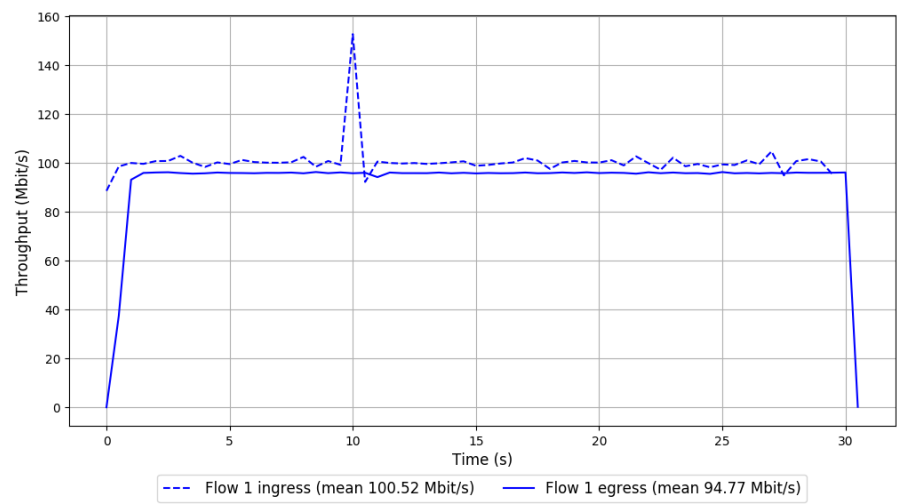


Run 8: Statistics of FillP

Start at: 2018-08-21 21:23:14  
End at: 2018-08-21 21:23:44  
Local clock offset: -6.829 ms  
Remote clock offset: 12.793 ms

# Below is generated by plot.py at 2018-08-21 22:16:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.77 Mbit/s  
95th percentile per-packet one-way delay: 30.422 ms  
Loss rate: 5.65%  
-- Flow 1:  
Average throughput: 94.77 Mbit/s  
95th percentile per-packet one-way delay: 30.422 ms  
Loss rate: 5.65%

Run 8: Report of FillP — Data Link

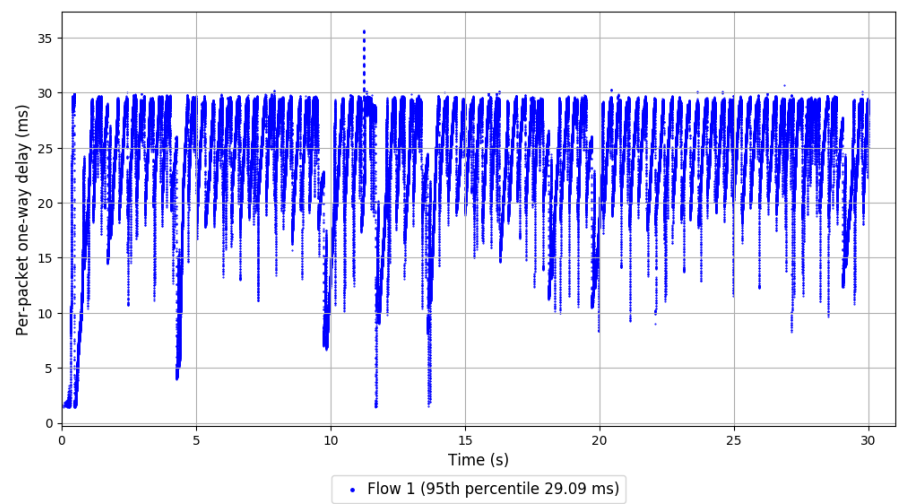
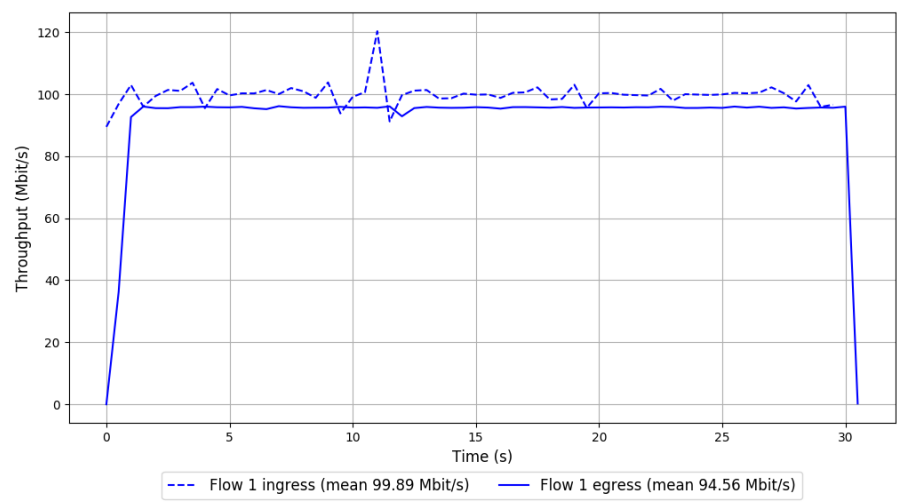


Run 9: Statistics of FillP

Start at: 2018-08-21 21:42:12  
End at: 2018-08-21 21:42:42  
Local clock offset: -6.15 ms  
Remote clock offset: 19.424 ms

# Below is generated by plot.py at 2018-08-21 22:16:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.56 Mbit/s  
95th percentile per-packet one-way delay: 29.095 ms  
Loss rate: 5.25%  
-- Flow 1:  
Average throughput: 94.56 Mbit/s  
95th percentile per-packet one-way delay: 29.095 ms  
Loss rate: 5.25%

Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-08-21 22:01:09

End at: 2018-08-21 22:01:39

Local clock offset: -5.129 ms

Remote clock offset: 24.76 ms

# Below is generated by plot.py at 2018-08-21 22:16:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.23 Mbit/s

95th percentile per-packet one-way delay: 29.092 ms

Loss rate: 4.65%

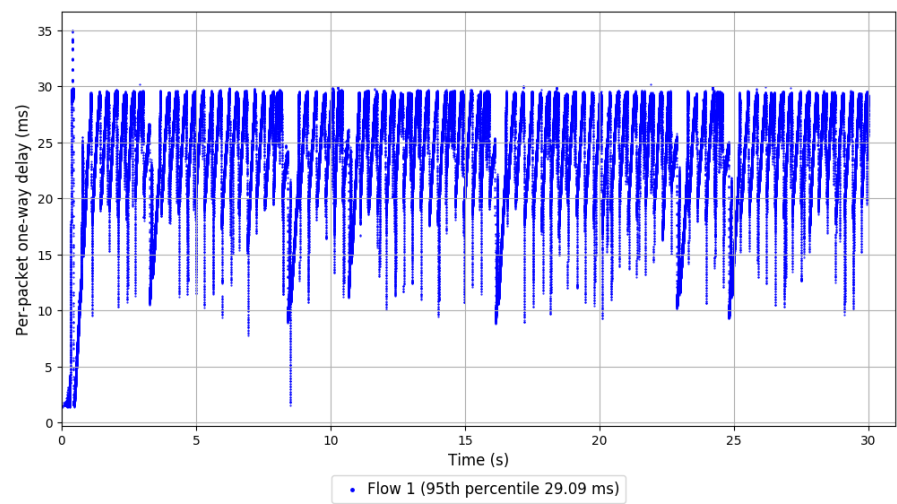
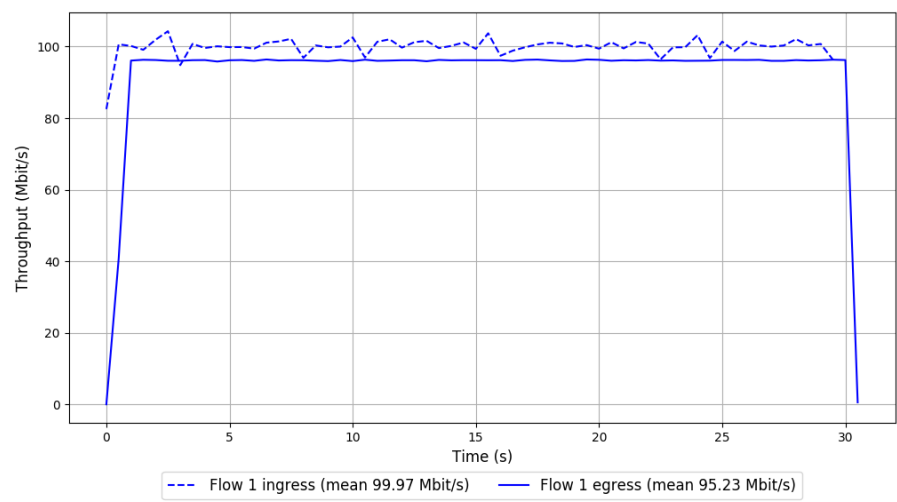
-- Flow 1:

Average throughput: 95.23 Mbit/s

95th percentile per-packet one-way delay: 29.092 ms

Loss rate: 4.65%

Run 10: Report of FillP — Data Link

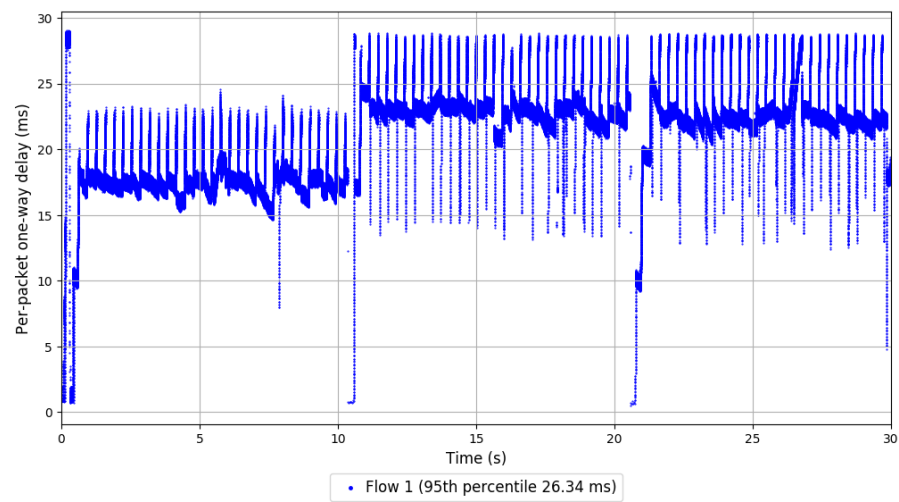
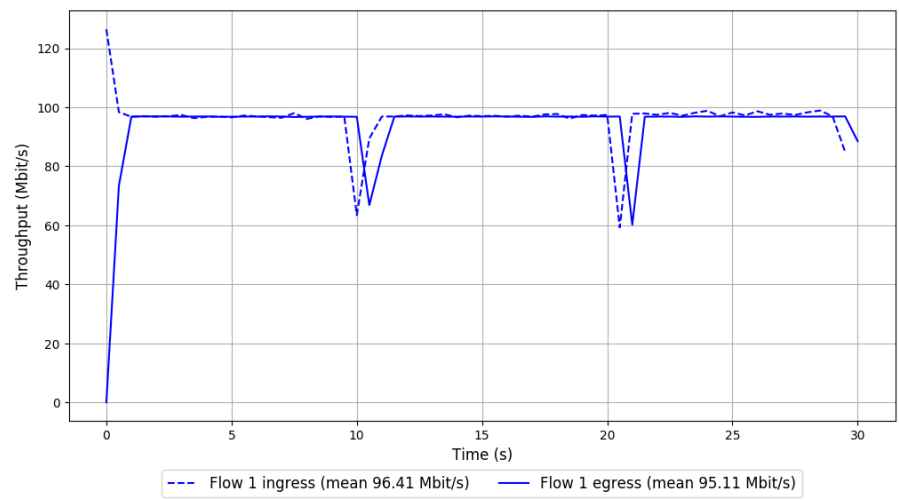


Run 1: Statistics of FillP-Sheep

Start at: 2018-08-21 19:09:04  
End at: 2018-08-21 19:09:34  
Local clock offset: -0.621 ms  
Remote clock offset: -7.432 ms

# Below is generated by plot.py at 2018-08-21 22:16:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.11 Mbit/s  
95th percentile per-packet one-way delay: 26.336 ms  
Loss rate: 1.29%  
-- Flow 1:  
Average throughput: 95.11 Mbit/s  
95th percentile per-packet one-way delay: 26.336 ms  
Loss rate: 1.29%

Run 1: Report of FillP-Sheep — Data Link

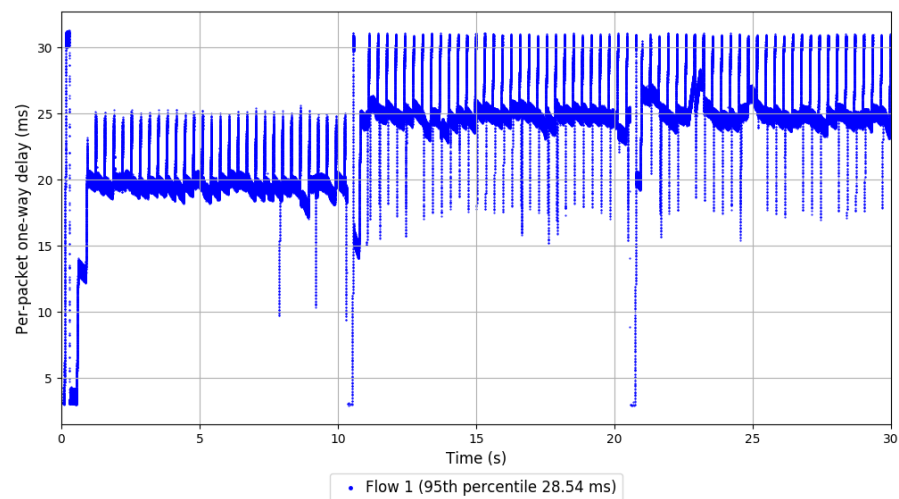
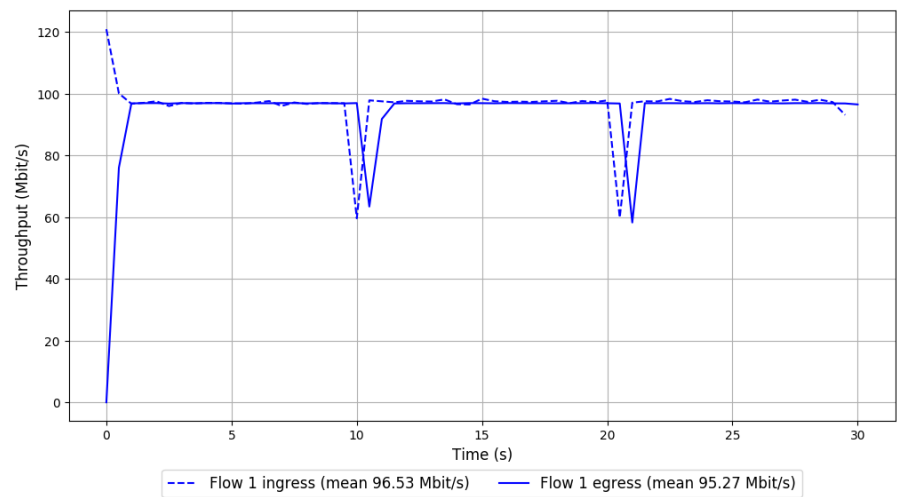


Run 2: Statistics of FillP-Sheep

Start at: 2018-08-21 19:28:05  
End at: 2018-08-21 19:28:35  
Local clock offset: -4.995 ms  
Remote clock offset: -6.154 ms

# Below is generated by plot.py at 2018-08-21 22:16:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.27 Mbit/s  
95th percentile per-packet one-way delay: 28.541 ms  
Loss rate: 1.23%  
-- Flow 1:  
Average throughput: 95.27 Mbit/s  
95th percentile per-packet one-way delay: 28.541 ms  
Loss rate: 1.23%

Run 2: Report of FillP-Sheep — Data Link



Run 3: Statistics of FillP-Sheep

Start at: 2018-08-21 19:47:06

End at: 2018-08-21 19:47:36

Local clock offset: -3.772 ms

Remote clock offset: -2.8 ms

# Below is generated by plot.py at 2018-08-21 22:16:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.21 Mbit/s

95th percentile per-packet one-way delay: 28.125 ms

Loss rate: 1.29%

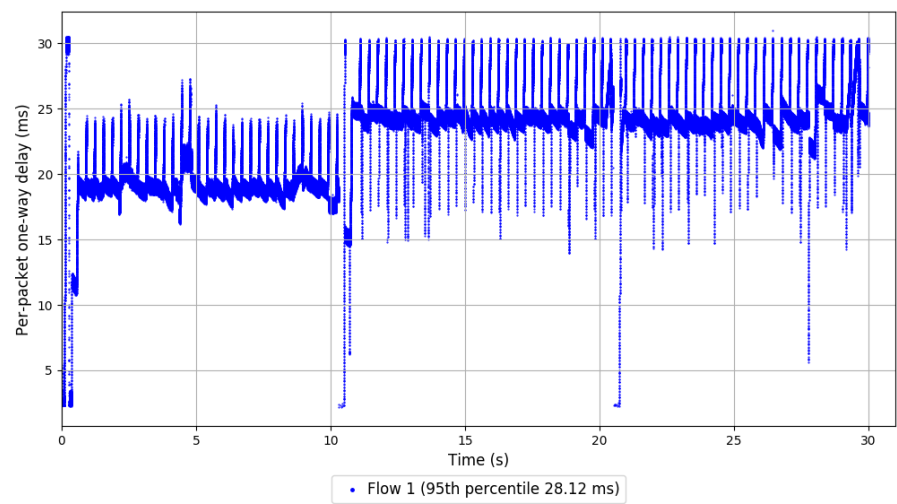
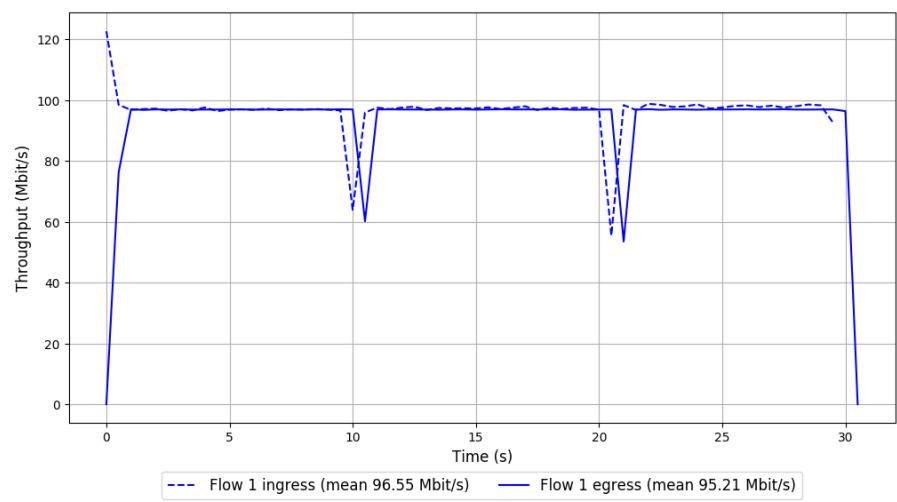
-- Flow 1:

Average throughput: 95.21 Mbit/s

95th percentile per-packet one-way delay: 28.125 ms

Loss rate: 1.29%

Run 3: Report of FillP-Sheep — Data Link



Run 4: Statistics of FillP-Sheep

Start at: 2018-08-21 20:06:08

End at: 2018-08-21 20:06:38

Local clock offset: -3.084 ms

Remote clock offset: -2.17 ms

# Below is generated by plot.py at 2018-08-21 22:17:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.19 Mbit/s

95th percentile per-packet one-way delay: 28.098 ms

Loss rate: 1.45%

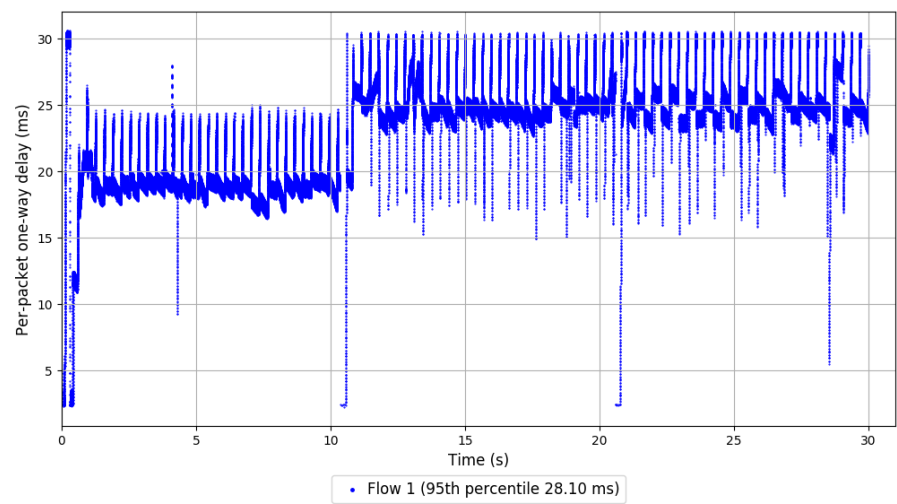
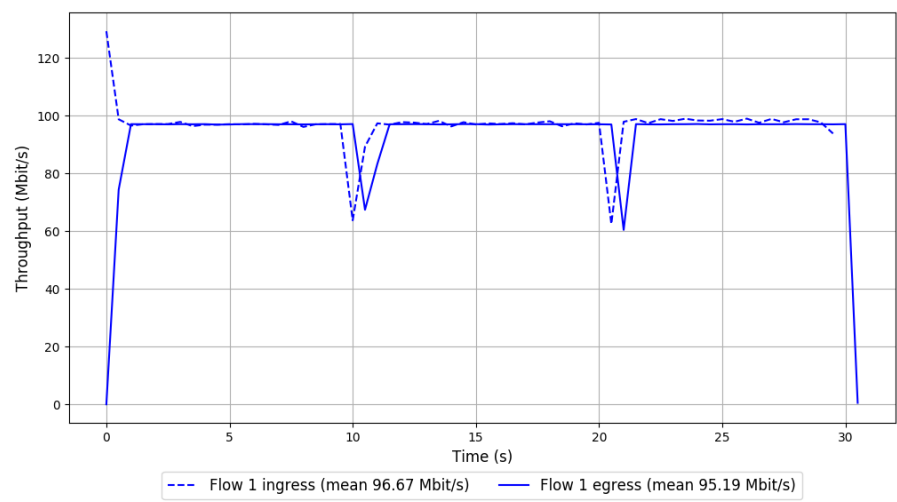
-- Flow 1:

Average throughput: 95.19 Mbit/s

95th percentile per-packet one-way delay: 28.098 ms

Loss rate: 1.45%

Run 4: Report of FillP-Sheep — Data Link

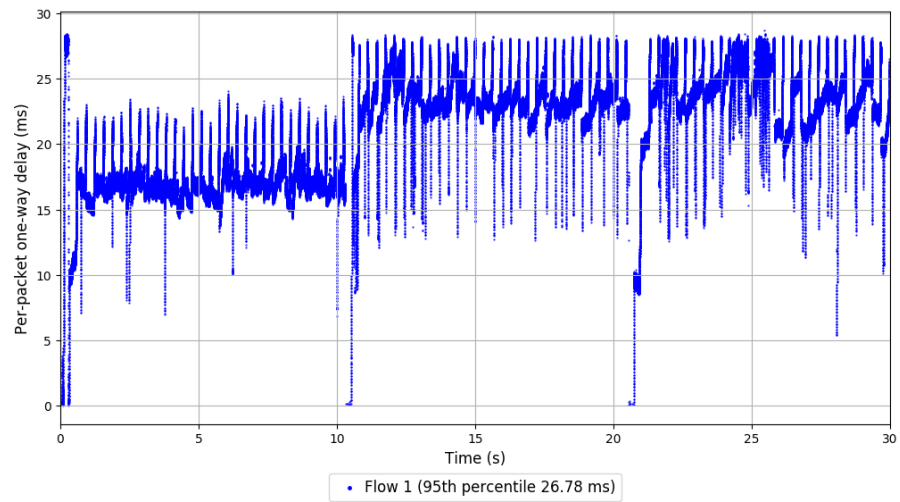
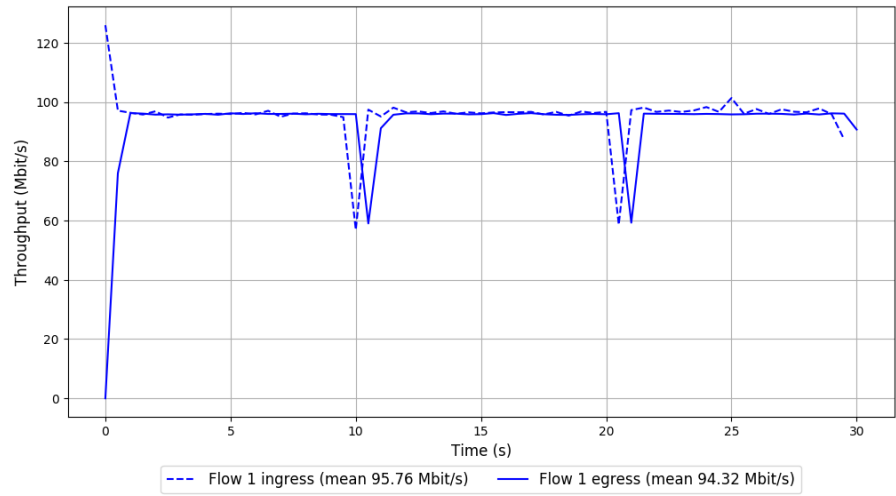


Run 5: Statistics of FillP-Sheep

Start at: 2018-08-21 20:25:11  
End at: 2018-08-21 20:25:41  
Local clock offset: -1.033 ms  
Remote clock offset: -1.816 ms

# Below is generated by plot.py at 2018-08-21 22:17:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.32 Mbit/s  
95th percentile per-packet one-way delay: 26.778 ms  
Loss rate: 1.41%  
-- Flow 1:  
Average throughput: 94.32 Mbit/s  
95th percentile per-packet one-way delay: 26.778 ms  
Loss rate: 1.41%

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

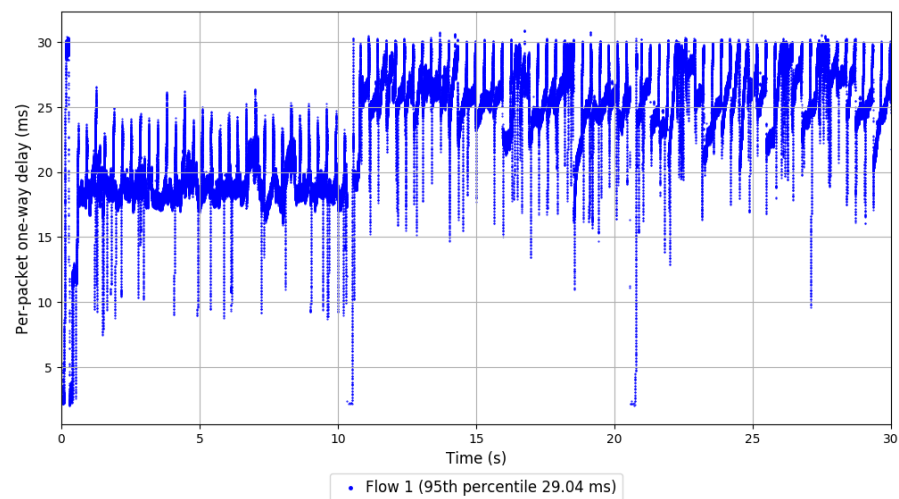
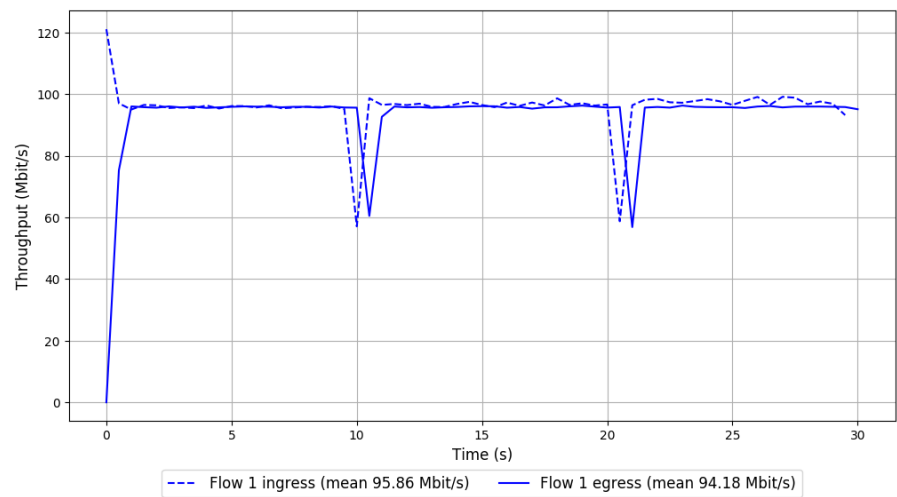


Run 6: Statistics of FillP-Sheep

Start at: 2018-08-21 20:44:09  
End at: 2018-08-21 20:44:39  
Local clock offset: -3.954 ms  
Remote clock offset: -2.515 ms

# Below is generated by plot.py at 2018-08-21 22:17:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.18 Mbit/s  
95th percentile per-packet one-way delay: 29.042 ms  
Loss rate: 1.68%  
-- Flow 1:  
Average throughput: 94.18 Mbit/s  
95th percentile per-packet one-way delay: 29.042 ms  
Loss rate: 1.68%

Run 6: Report of FillP-Sheep — Data Link

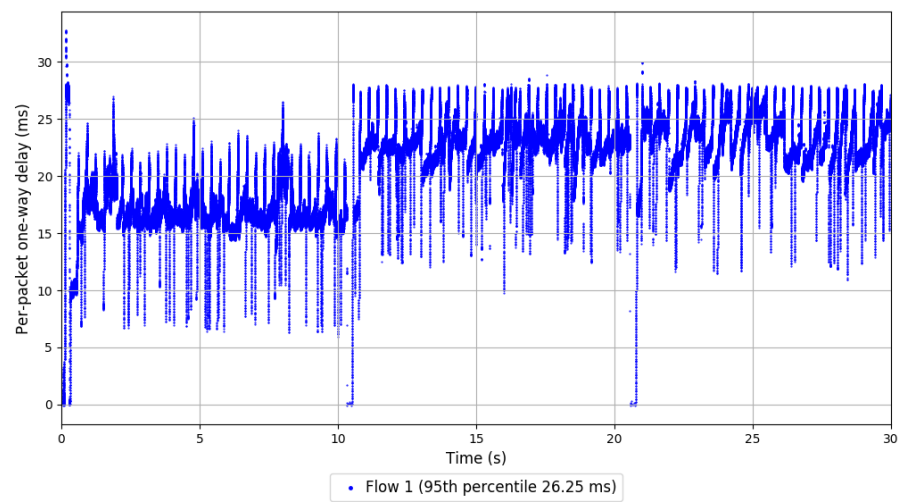
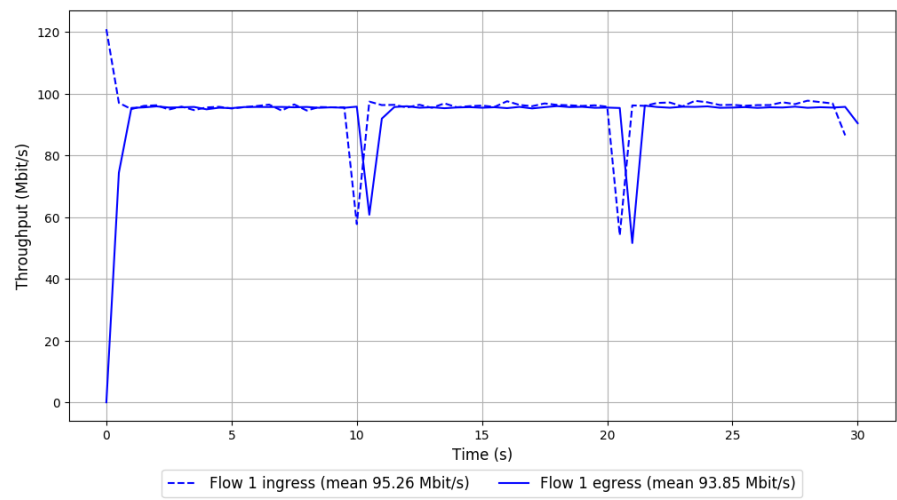


Run 7: Statistics of FillP-Sheep

Start at: 2018-08-21 21:03:08  
End at: 2018-08-21 21:03:38  
Local clock offset: -5.314 ms  
Remote clock offset: -2.574 ms

# Below is generated by plot.py at 2018-08-21 22:17:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.85 Mbit/s  
95th percentile per-packet one-way delay: 26.250 ms  
Loss rate: 1.38%  
-- Flow 1:  
Average throughput: 93.85 Mbit/s  
95th percentile per-packet one-way delay: 26.250 ms  
Loss rate: 1.38%

Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

Start at: 2018-08-21 21:22:07

End at: 2018-08-21 21:22:37

Local clock offset: -6.818 ms

Remote clock offset: 13.04 ms

# Below is generated by plot.py at 2018-08-21 22:17:44

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.16 Mbit/s

95th percentile per-packet one-way delay: 30.195 ms

Loss rate: 1.45%

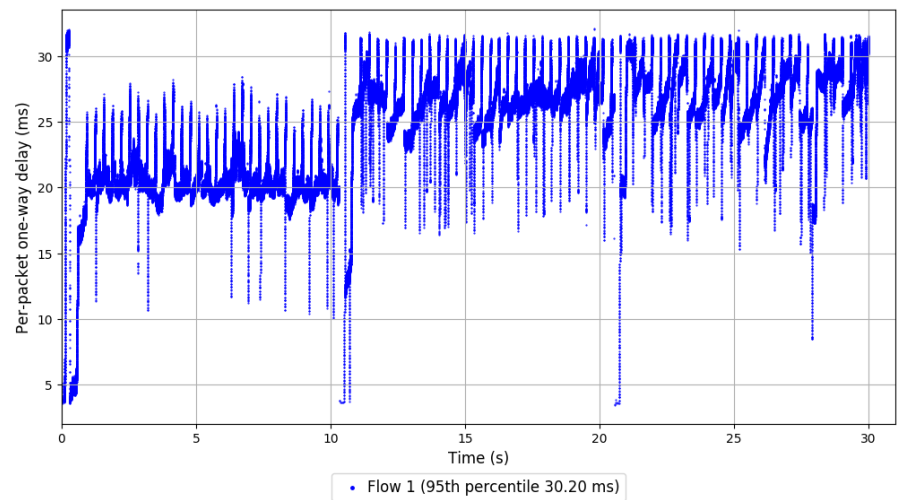
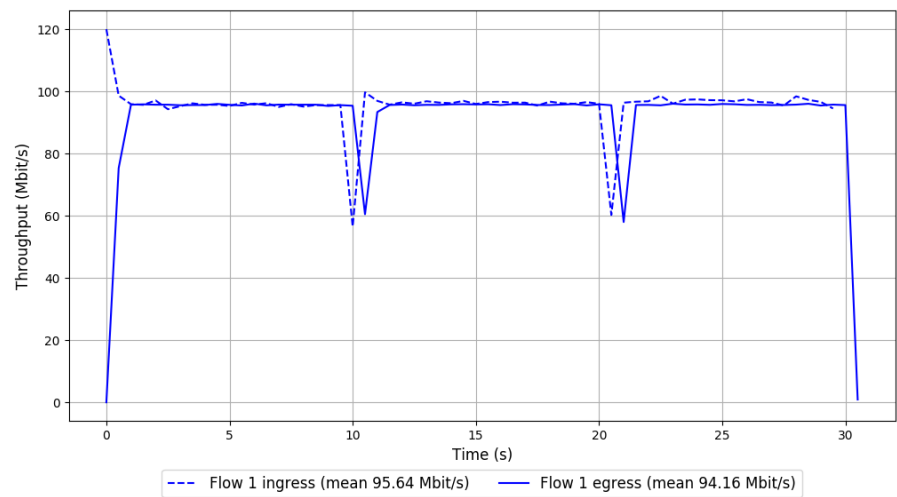
-- Flow 1:

Average throughput: 94.16 Mbit/s

95th percentile per-packet one-way delay: 30.195 ms

Loss rate: 1.45%

Run 8: Report of FillP-Sheep — Data Link

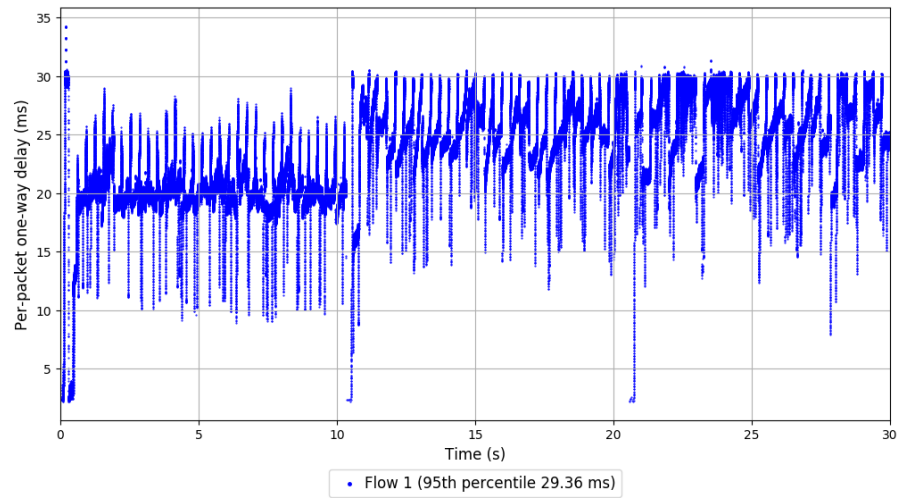
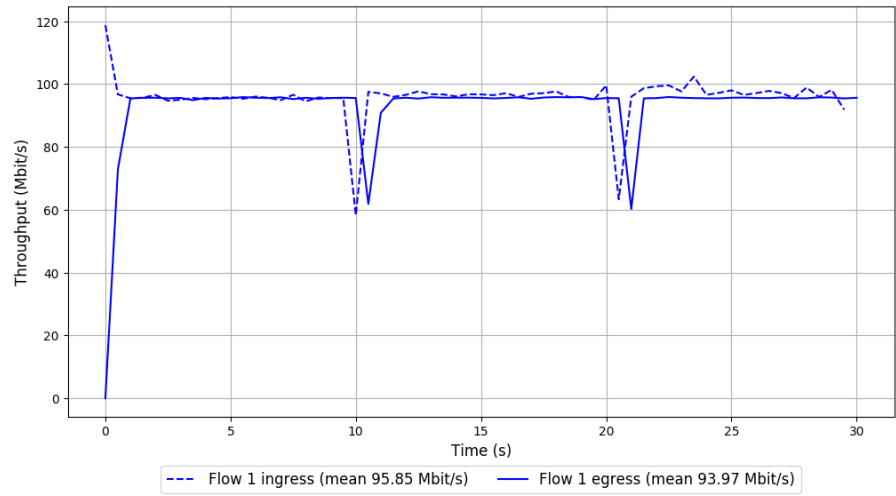


Run 9: Statistics of FillP-Sheep

Start at: 2018-08-21 21:41:04  
End at: 2018-08-21 21:41:34  
Local clock offset: -5.551 ms  
Remote clock offset: 19.134 ms

# Below is generated by plot.py at 2018-08-21 22:17:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.97 Mbit/s  
95th percentile per-packet one-way delay: 29.360 ms  
Loss rate: 1.88%  
-- Flow 1:  
Average throughput: 93.97 Mbit/s  
95th percentile per-packet one-way delay: 29.360 ms  
Loss rate: 1.88%

### Run 9: Report of FillP-Sheep — Data Link

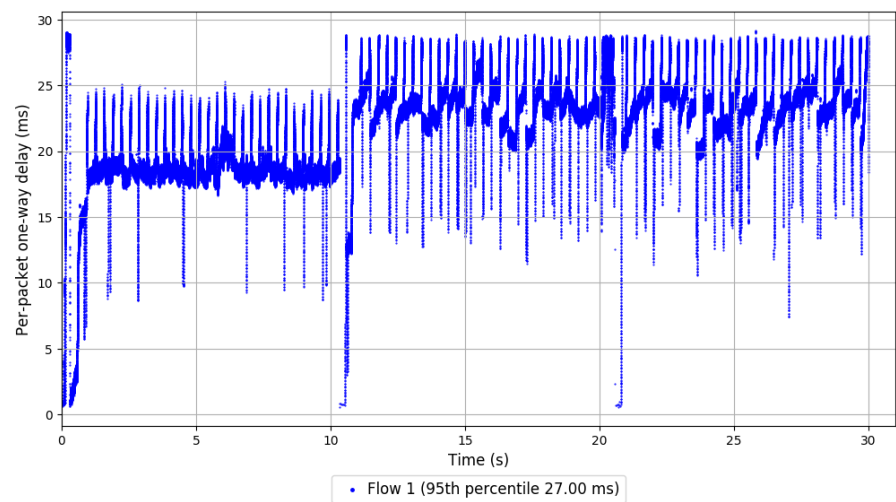
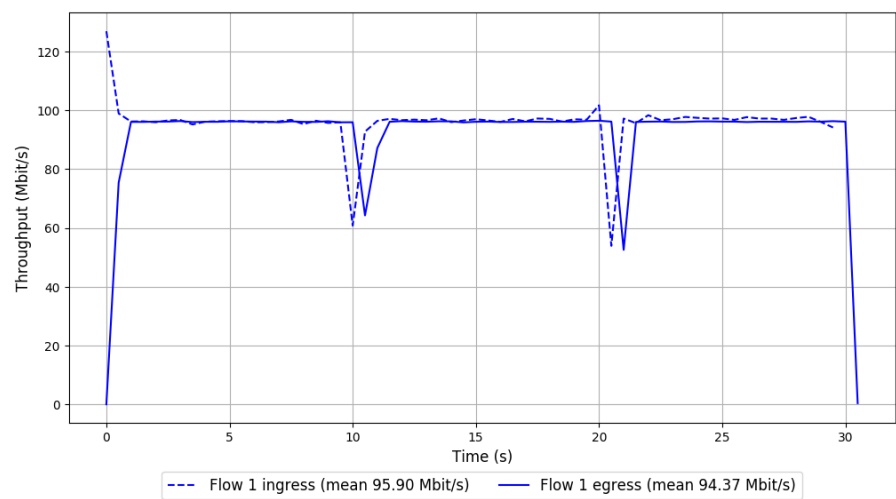


Run 10: Statistics of FillP-Sheep

Start at: 2018-08-21 22:00:02  
End at: 2018-08-21 22:00:32  
Local clock offset: -4.383 ms  
Remote clock offset: 24.471 ms

# Below is generated by plot.py at 2018-08-21 22:18:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.37 Mbit/s  
95th percentile per-packet one-way delay: 27.001 ms  
Loss rate: 1.52%  
-- Flow 1:  
Average throughput: 94.37 Mbit/s  
95th percentile per-packet one-way delay: 27.001 ms  
Loss rate: 1.52%

Run 10: Report of FillP-Sheep — Data Link

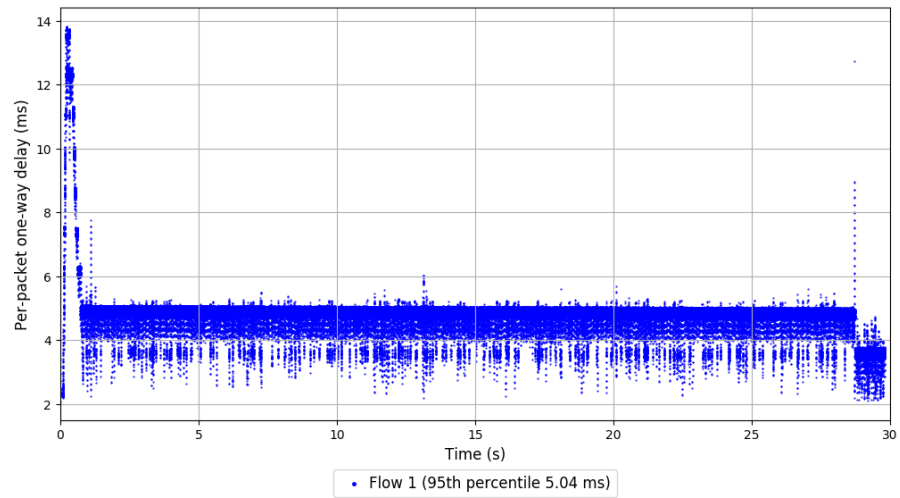
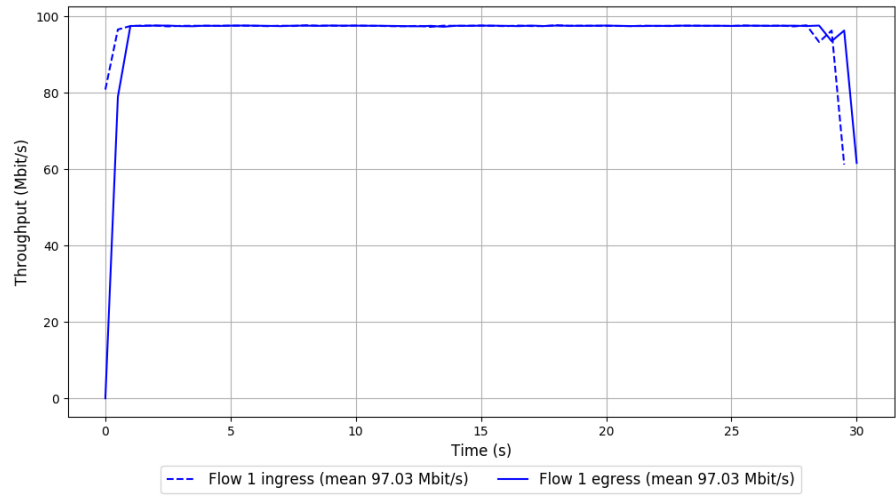


Run 1: Statistics of Indigo

Start at: 2018-08-21 19:14:43  
End at: 2018-08-21 19:15:14  
Local clock offset: -2.632 ms  
Remote clock offset: -7.969 ms

# Below is generated by plot.py at 2018-08-21 22:18:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.03 Mbit/s  
95th percentile per-packet one-way delay: 5.039 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 97.03 Mbit/s  
95th percentile per-packet one-way delay: 5.039 ms  
Loss rate: 0.00%

## Run 1: Report of Indigo — Data Link

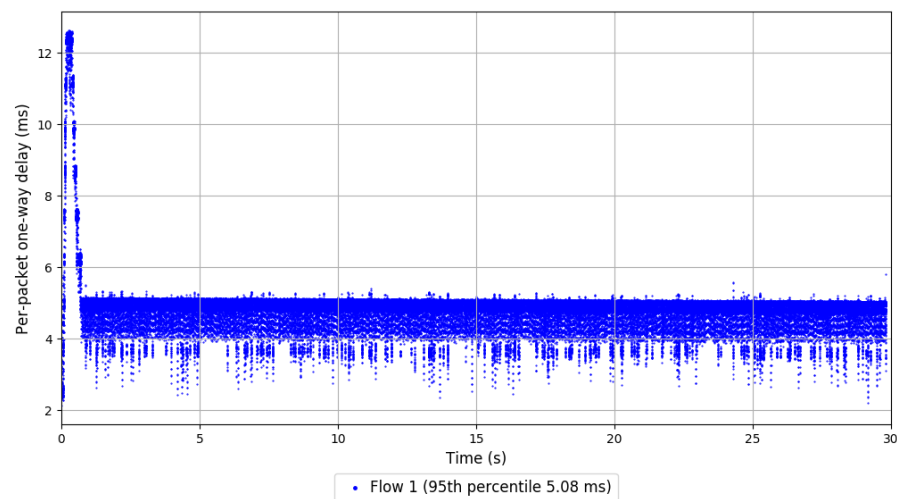
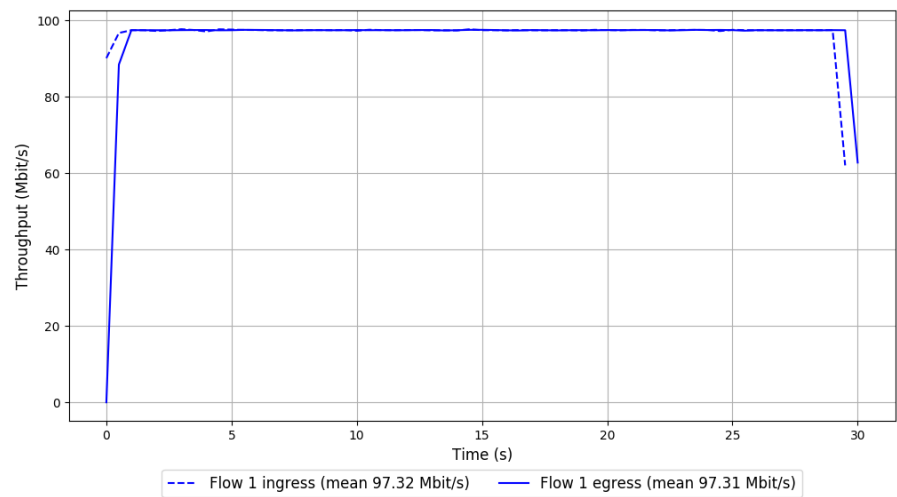


Run 2: Statistics of Indigo

Start at: 2018-08-21 19:33:44  
End at: 2018-08-21 19:34:14  
Local clock offset: -4.249 ms  
Remote clock offset: -4.373 ms

# Below is generated by plot.py at 2018-08-21 22:18:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.31 Mbit/s  
95th percentile per-packet one-way delay: 5.085 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 97.31 Mbit/s  
95th percentile per-packet one-way delay: 5.085 ms  
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

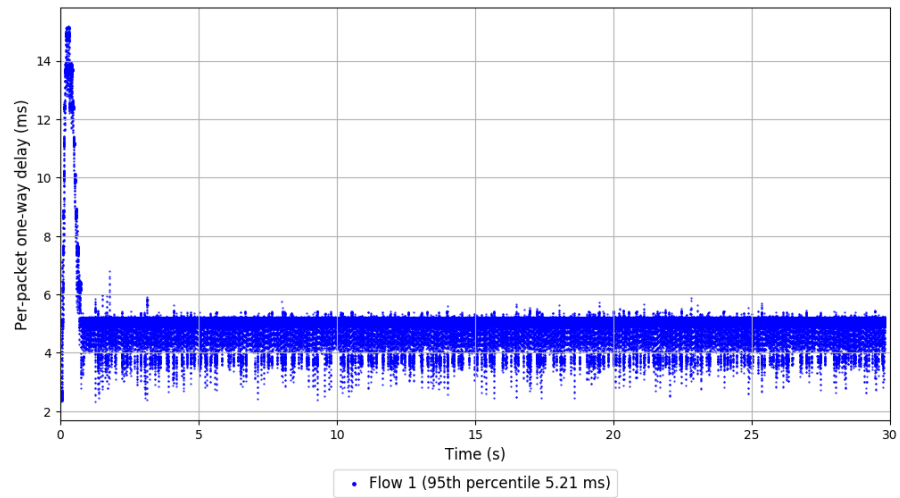
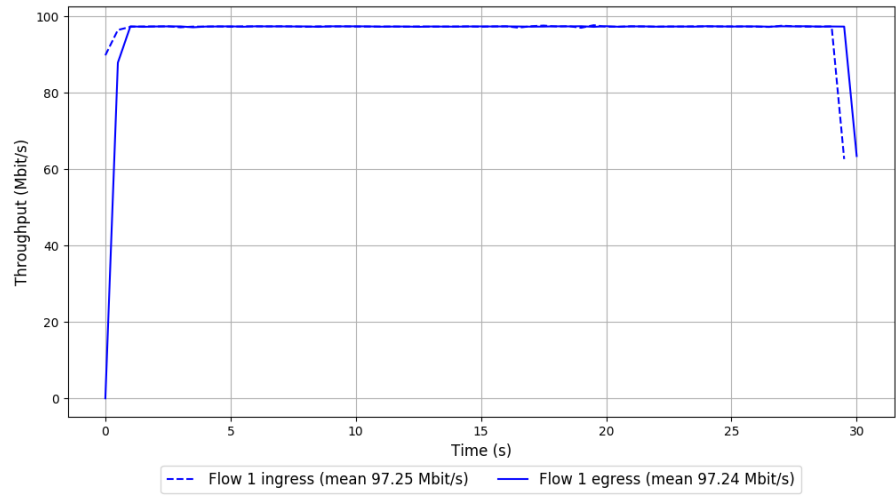


Run 3: Statistics of Indigo

Start at: 2018-08-21 19:52:45  
End at: 2018-08-21 19:53:15  
Local clock offset: -3.575 ms  
Remote clock offset: -2.428 ms

# Below is generated by plot.py at 2018-08-21 22:18:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.24 Mbit/s  
95th percentile per-packet one-way delay: 5.205 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 97.24 Mbit/s  
95th percentile per-packet one-way delay: 5.205 ms  
Loss rate: 0.00%

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

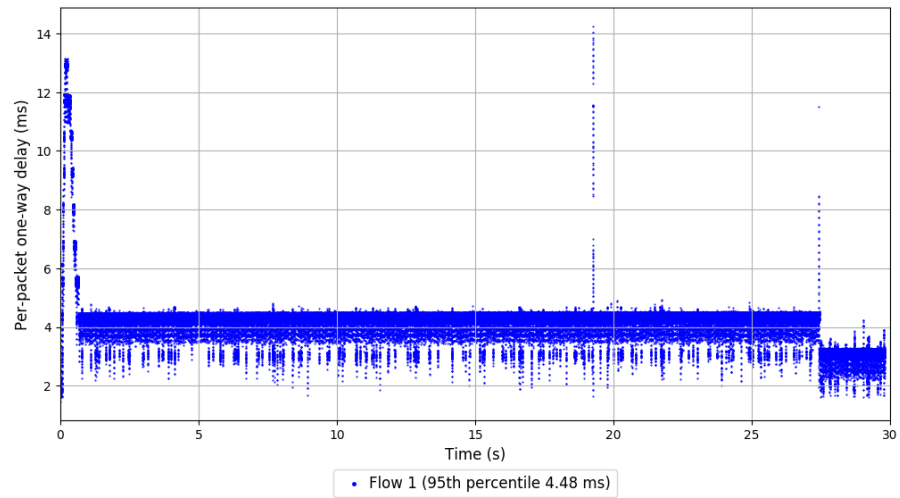
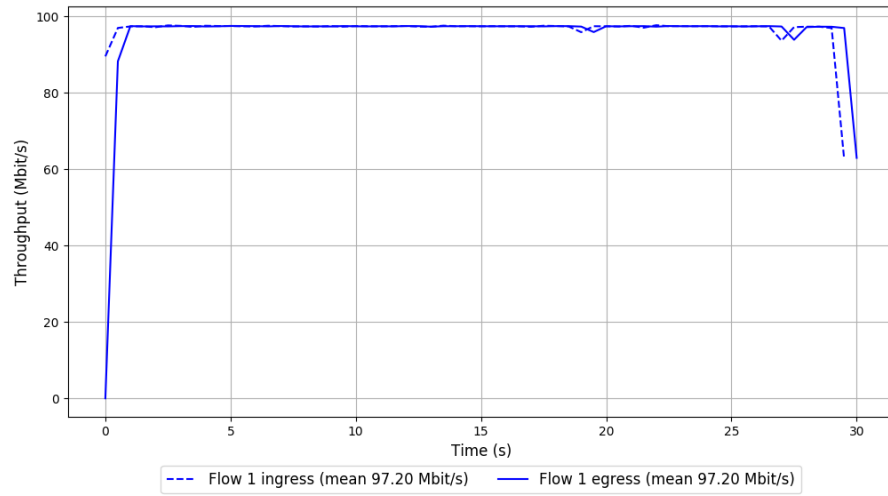


Run 4: Statistics of Indigo

Start at: 2018-08-21 20:11:47  
End at: 2018-08-21 20:12:17  
Local clock offset: -1.852 ms  
Remote clock offset: -2.051 ms

# Below is generated by plot.py at 2018-08-21 22:18:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.20 Mbit/s  
95th percentile per-packet one-way delay: 4.479 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 97.20 Mbit/s  
95th percentile per-packet one-way delay: 4.479 ms  
Loss rate: 0.00%

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

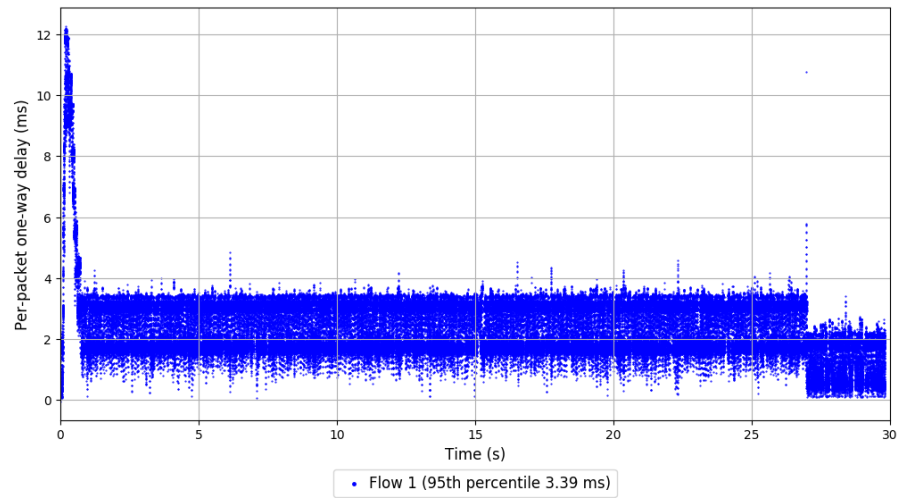
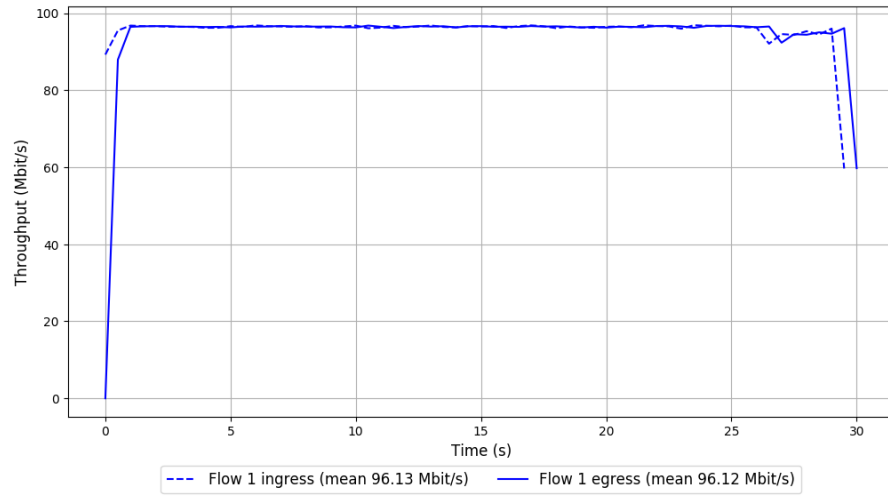


Run 5: Statistics of Indigo

Start at: 2018-08-21 20:30:50  
End at: 2018-08-21 20:31:20  
Local clock offset: -0.756 ms  
Remote clock offset: -1.714 ms

# Below is generated by plot.py at 2018-08-21 22:18:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.12 Mbit/s  
95th percentile per-packet one-way delay: 3.389 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.12 Mbit/s  
95th percentile per-packet one-way delay: 3.389 ms  
Loss rate: 0.00%

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

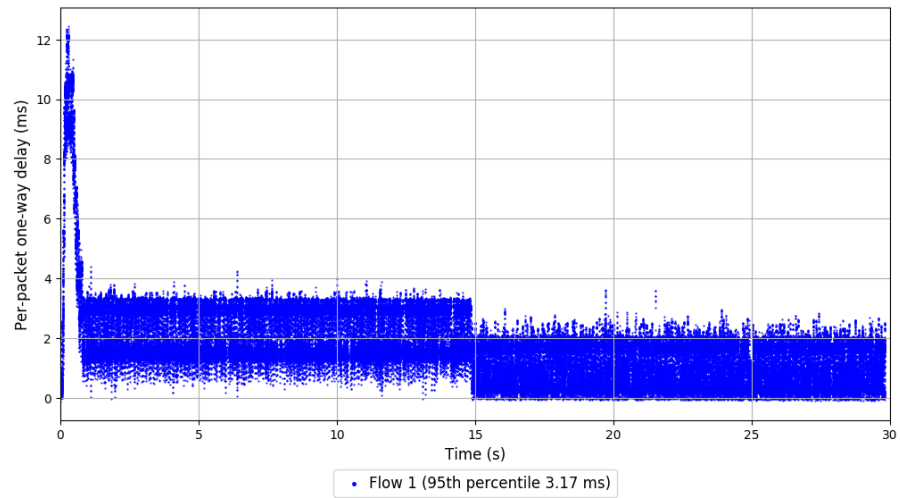
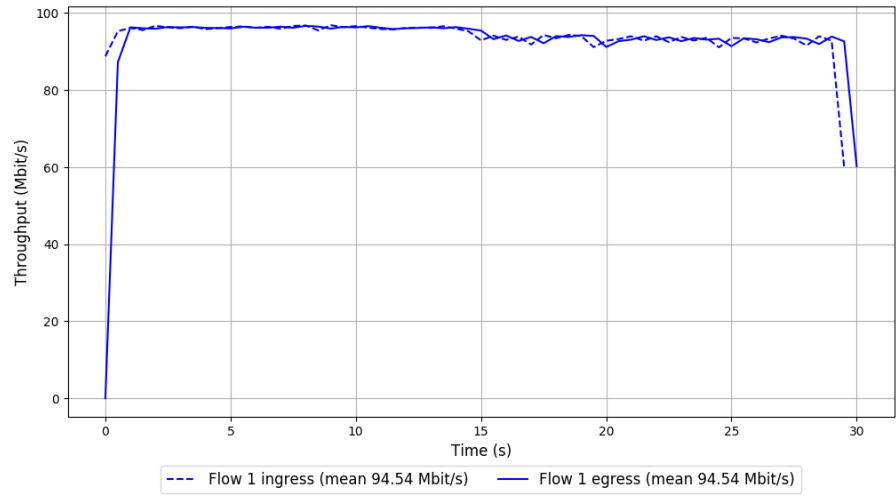


Run 6: Statistics of Indigo

Start at: 2018-08-21 20:49:49  
End at: 2018-08-21 20:50:19  
Local clock offset: -4.209 ms  
Remote clock offset: -2.531 ms

# Below is generated by plot.py at 2018-08-21 22:18:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.54 Mbit/s  
95th percentile per-packet one-way delay: 3.172 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 94.54 Mbit/s  
95th percentile per-packet one-way delay: 3.172 ms  
Loss rate: 0.00%

## Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-08-21 21:08:48

End at: 2018-08-21 21:09:18

Local clock offset: -6.264 ms

Remote clock offset: 1.83 ms

# Below is generated by plot.py at 2018-08-21 22:19:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.50 Mbit/s

95th percentile per-packet one-way delay: 3.769 ms

Loss rate: 0.00%

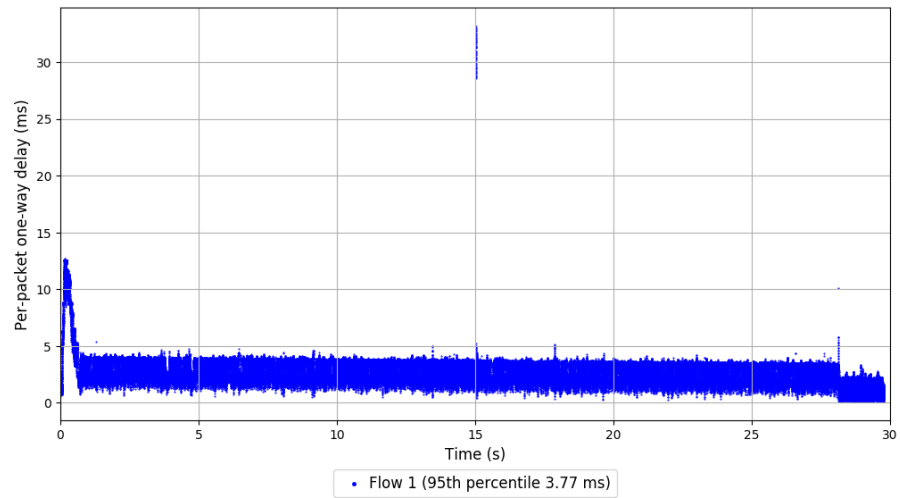
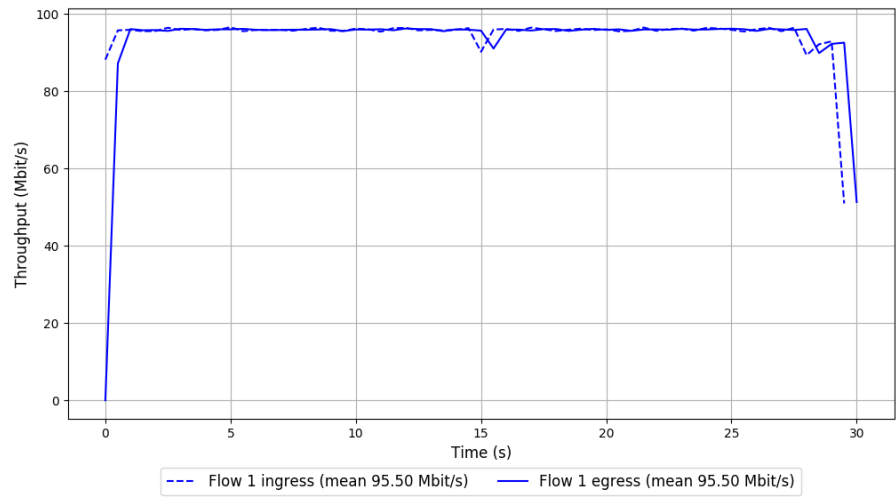
-- Flow 1:

Average throughput: 95.50 Mbit/s

95th percentile per-packet one-way delay: 3.769 ms

Loss rate: 0.00%

## Run 7: Report of Indigo — Data Link

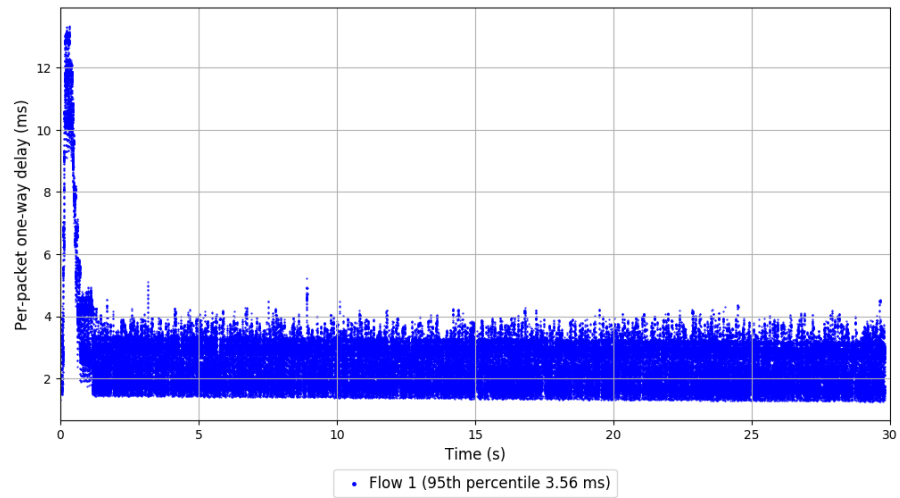
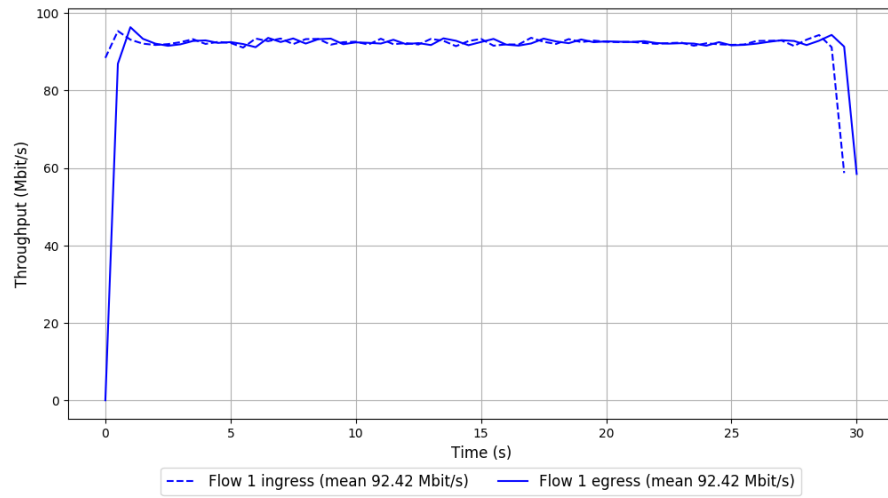


Run 8: Statistics of Indigo

Start at: 2018-08-21 21:27:46  
End at: 2018-08-21 21:28:16  
Local clock offset: -5.32 ms  
Remote clock offset: 14.739 ms

# Below is generated by plot.py at 2018-08-21 22:19:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.42 Mbit/s  
95th percentile per-packet one-way delay: 3.561 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 92.42 Mbit/s  
95th percentile per-packet one-way delay: 3.561 ms  
Loss rate: 0.01%

## Run 8: Report of Indigo — Data Link

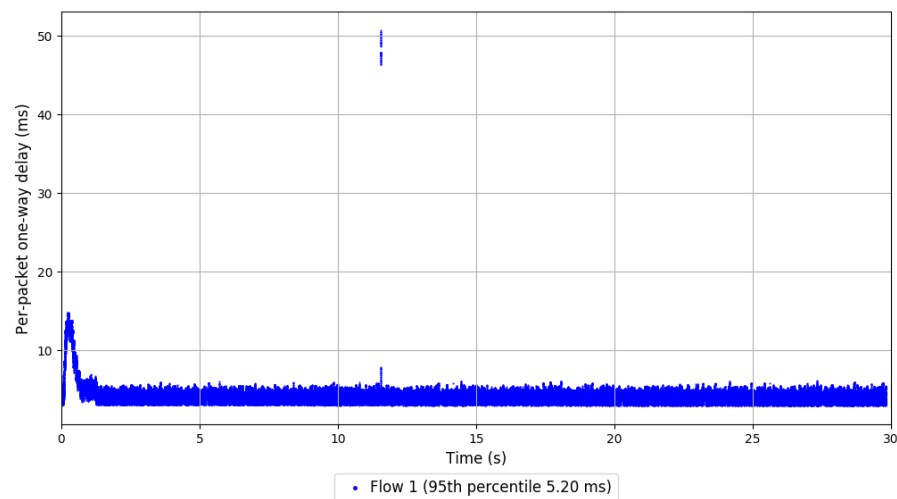
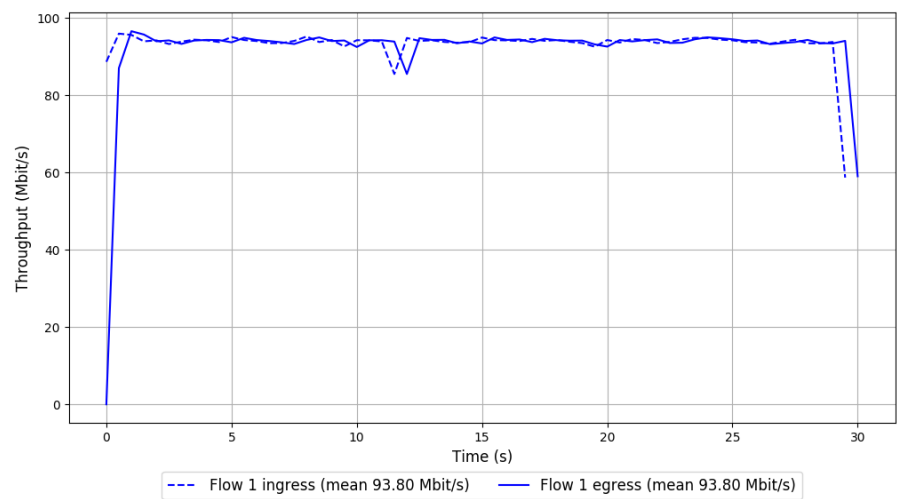


Run 9: Statistics of Indigo

Start at: 2018-08-21 21:46:44  
End at: 2018-08-21 21:47:14  
Local clock offset: -5.794 ms  
Remote clock offset: 20.776 ms

# Below is generated by plot.py at 2018-08-21 22:19:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.80 Mbit/s  
95th percentile per-packet one-way delay: 5.204 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 93.80 Mbit/s  
95th percentile per-packet one-way delay: 5.204 ms  
Loss rate: 0.00%

Run 9: Report of Indigo — Data Link

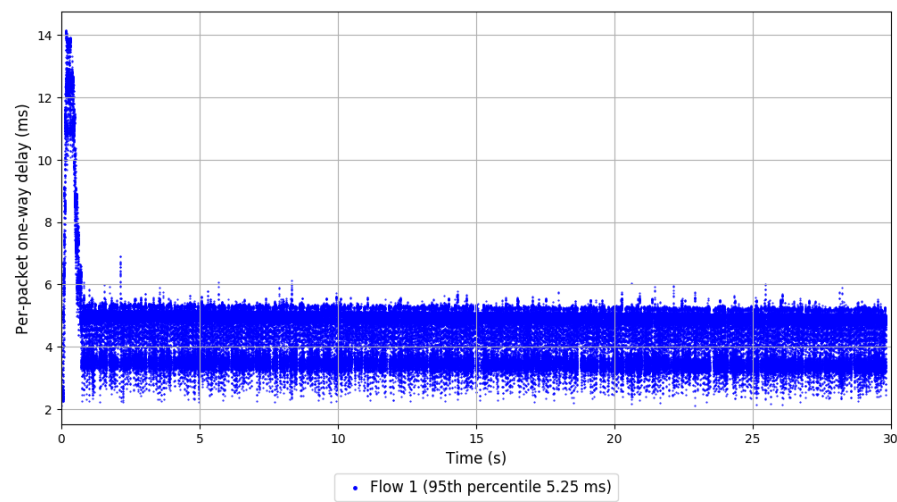
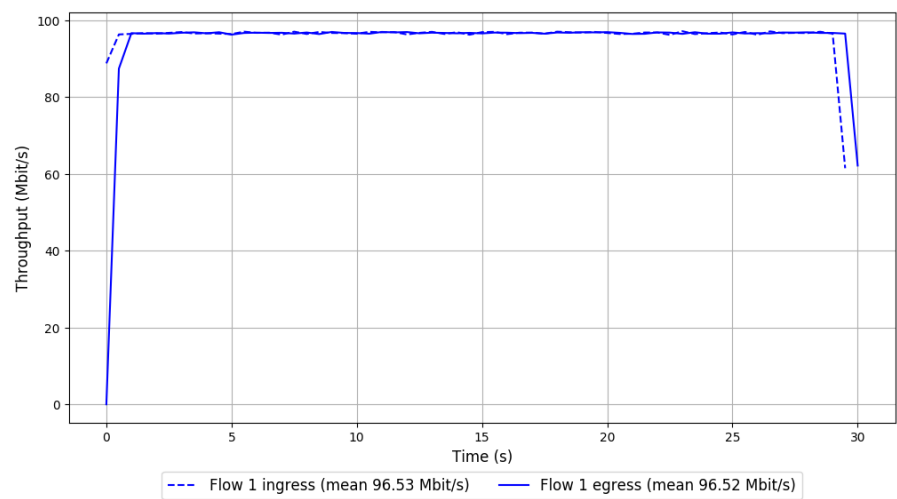


Run 10: Statistics of Indigo

Start at: 2018-08-21 22:05:41  
End at: 2018-08-21 22:06:11  
Local clock offset: -4.268 ms  
Remote clock offset: 26.045 ms

# Below is generated by plot.py at 2018-08-21 22:19:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.52 Mbit/s  
95th percentile per-packet one-way delay: 5.248 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.52 Mbit/s  
95th percentile per-packet one-way delay: 5.248 ms  
Loss rate: 0.00%

Run 10: Report of Indigo — Data Link

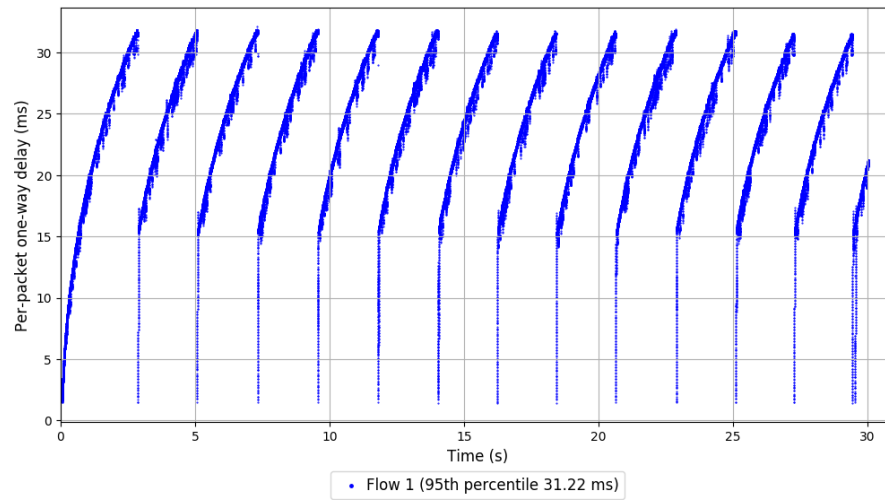
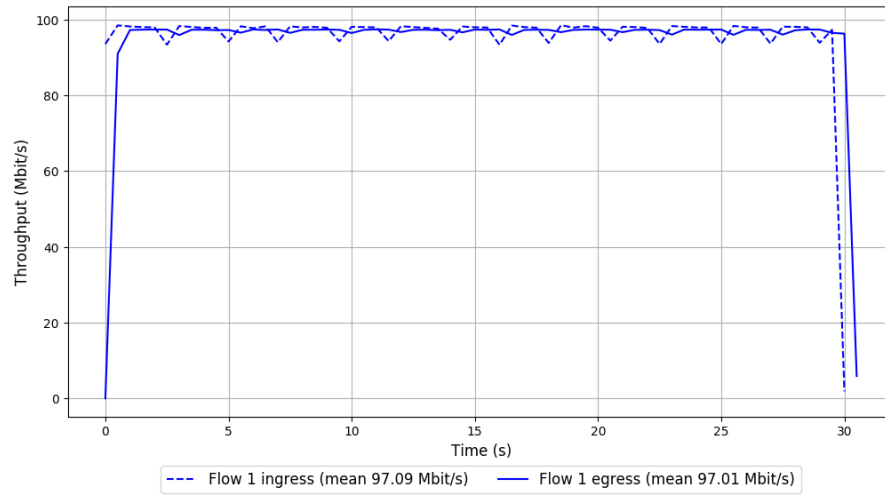


Run 1: Statistics of LEDBAT

Start at: 2018-08-21 19:11:18  
End at: 2018-08-21 19:11:48  
Local clock offset: -2.34 ms  
Remote clock offset: -7.656 ms

# Below is generated by plot.py at 2018-08-21 22:19:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.01 Mbit/s  
95th percentile per-packet one-way delay: 31.216 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 97.01 Mbit/s  
95th percentile per-packet one-way delay: 31.216 ms  
Loss rate: 0.01%

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

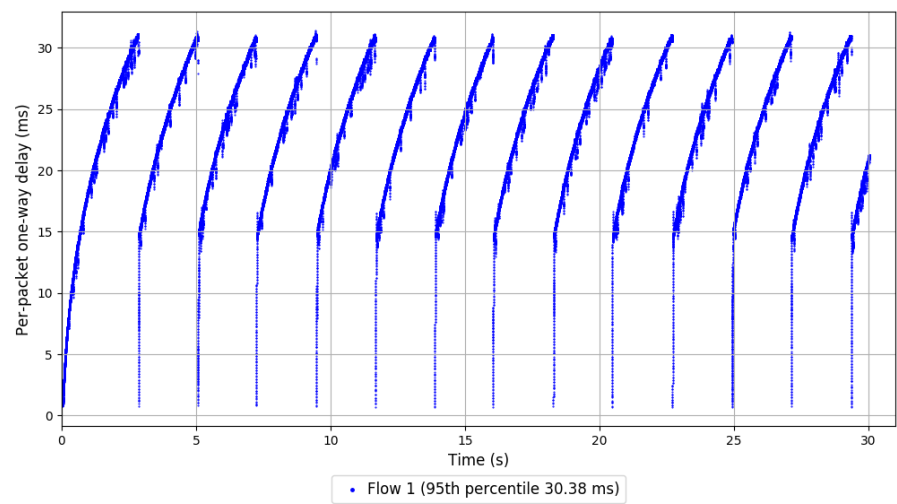
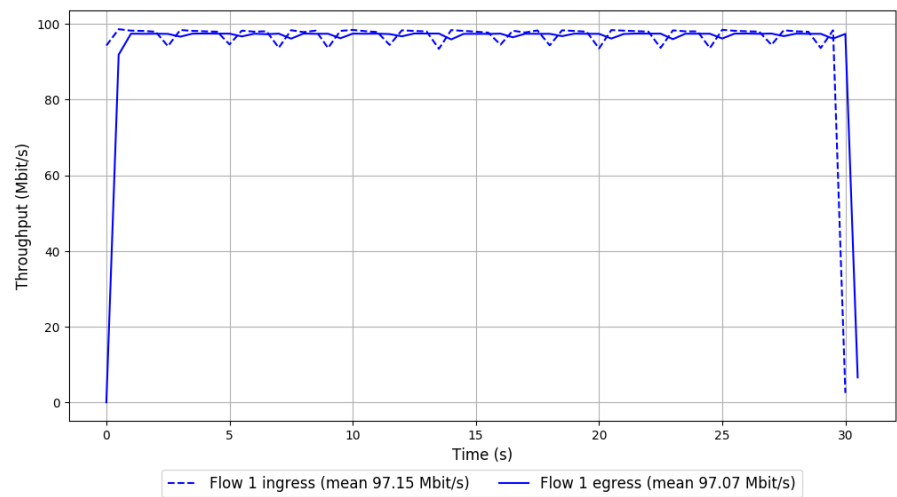


Run 2: Statistics of LEDBAT

Start at: 2018-08-21 19:30:19  
End at: 2018-08-21 19:30:49  
Local clock offset: -4.294 ms  
Remote clock offset: -5.373 ms

# Below is generated by plot.py at 2018-08-21 22:19:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.07 Mbit/s  
95th percentile per-packet one-way delay: 30.381 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 97.07 Mbit/s  
95th percentile per-packet one-way delay: 30.381 ms  
Loss rate: 0.01%

Run 2: Report of LEDBAT — Data Link

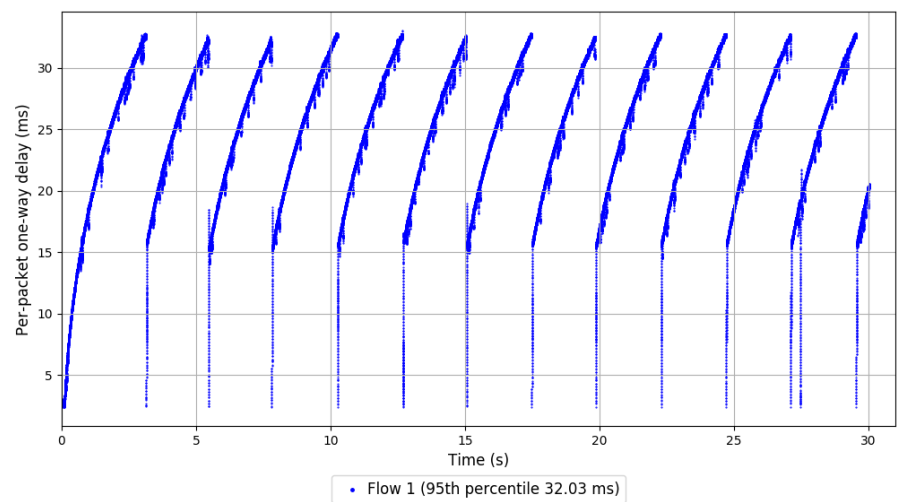
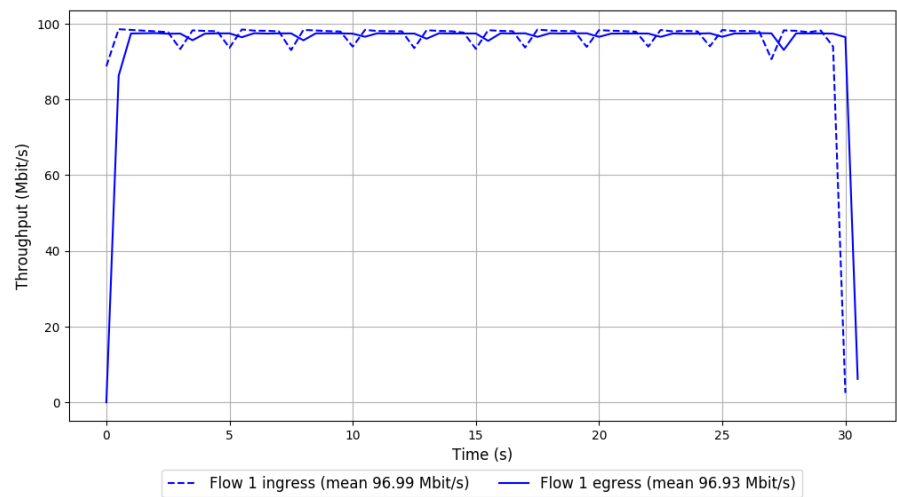


Run 3: Statistics of LEDBAT

Start at: 2018-08-21 19:49:20  
End at: 2018-08-21 19:49:50  
Local clock offset: -3.745 ms  
Remote clock offset: -2.593 ms

# Below is generated by plot.py at 2018-08-21 22:20:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.93 Mbit/s  
95th percentile per-packet one-way delay: 32.035 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 96.93 Mbit/s  
95th percentile per-packet one-way delay: 32.035 ms  
Loss rate: 0.02%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-08-21 20:08:22

End at: 2018-08-21 20:08:52

Local clock offset: -2.941 ms

Remote clock offset: -2.19 ms

# Below is generated by plot.py at 2018-08-21 22:20:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.94 Mbit/s

95th percentile per-packet one-way delay: 31.995 ms

Loss rate: 0.02%

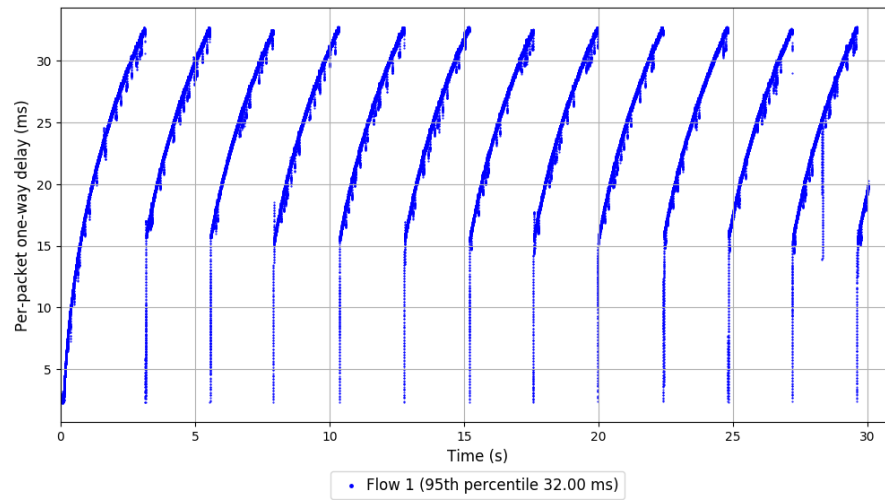
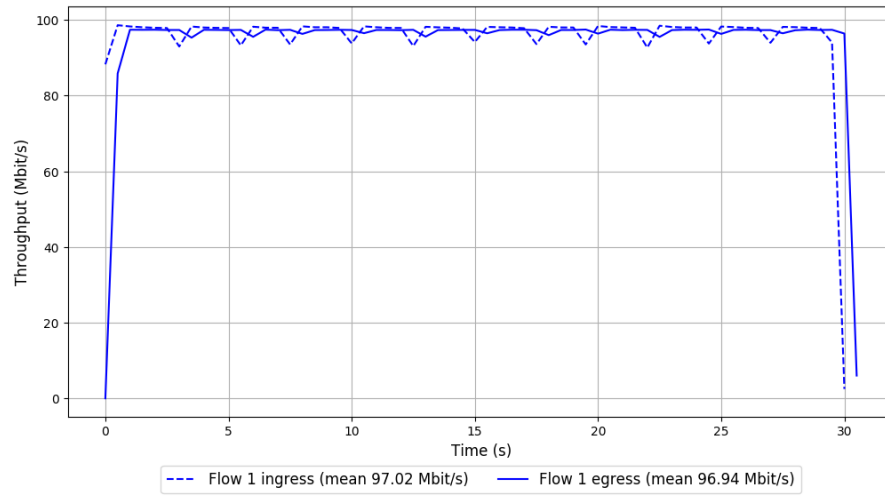
-- Flow 1:

Average throughput: 96.94 Mbit/s

95th percentile per-packet one-way delay: 31.995 ms

Loss rate: 0.02%

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

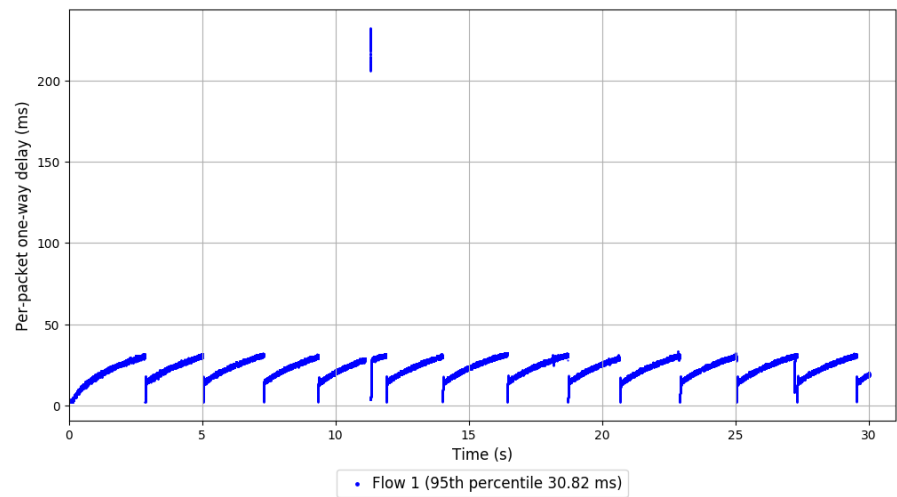
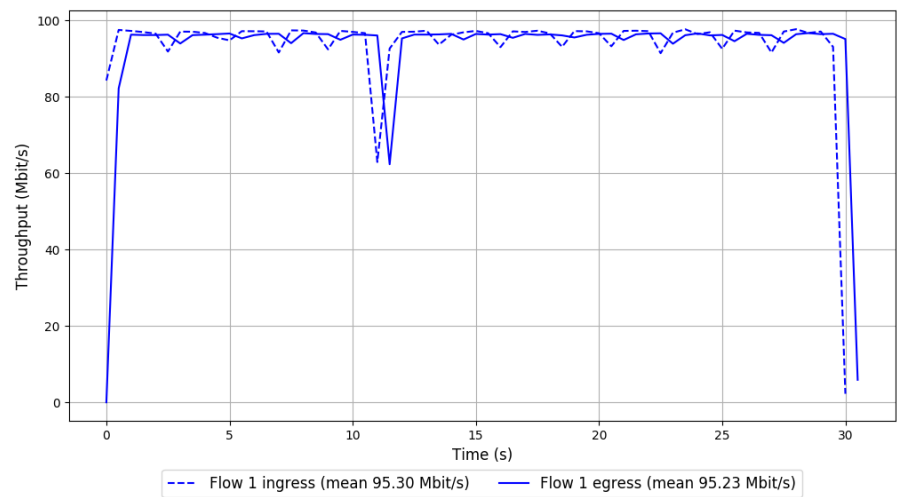


Run 5: Statistics of LEDBAT

Start at: 2018-08-21 20:27:25  
End at: 2018-08-21 20:27:55  
Local clock offset: -1.762 ms  
Remote clock offset: -1.806 ms

# Below is generated by plot.py at 2018-08-21 22:20:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.23 Mbit/s  
95th percentile per-packet one-way delay: 30.818 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 95.23 Mbit/s  
95th percentile per-packet one-way delay: 30.818 ms  
Loss rate: 0.02%

Run 5: Report of LEDBAT — Data Link

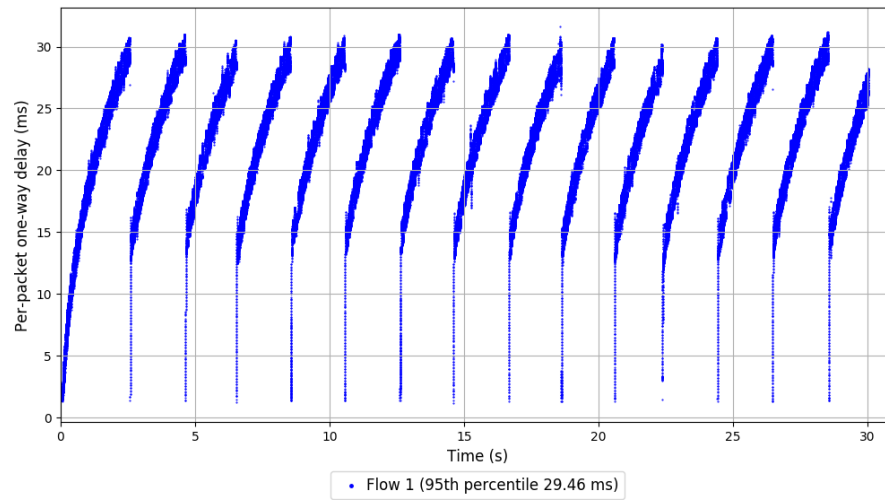
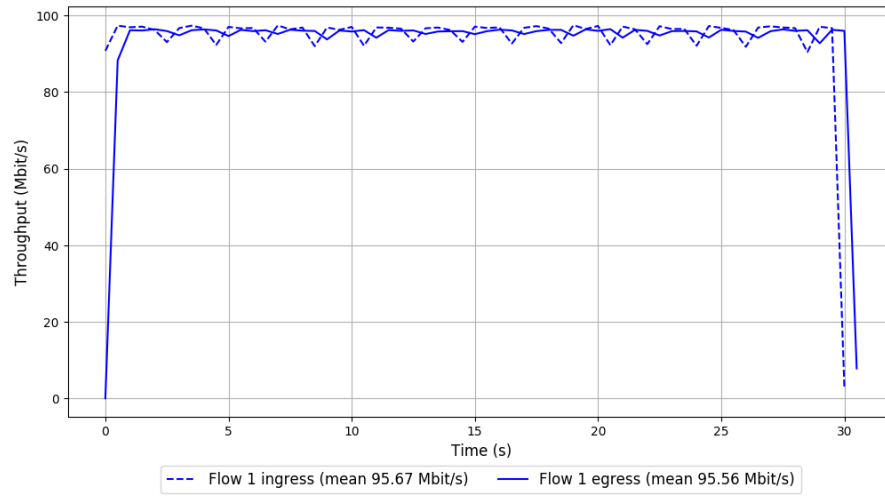


Run 6: Statistics of LEDBAT

Start at: 2018-08-21 20:46:23  
End at: 2018-08-21 20:46:53  
Local clock offset: -4.38 ms  
Remote clock offset: -1.885 ms

# Below is generated by plot.py at 2018-08-21 22:20:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.56 Mbit/s  
95th percentile per-packet one-way delay: 29.459 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 95.56 Mbit/s  
95th percentile per-packet one-way delay: 29.459 ms  
Loss rate: 0.02%

## Run 6: Report of LEDBAT — Data Link

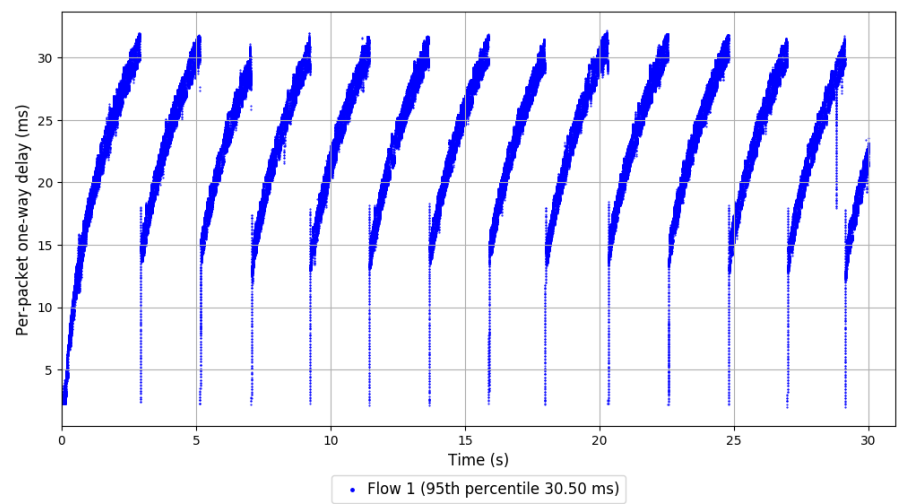
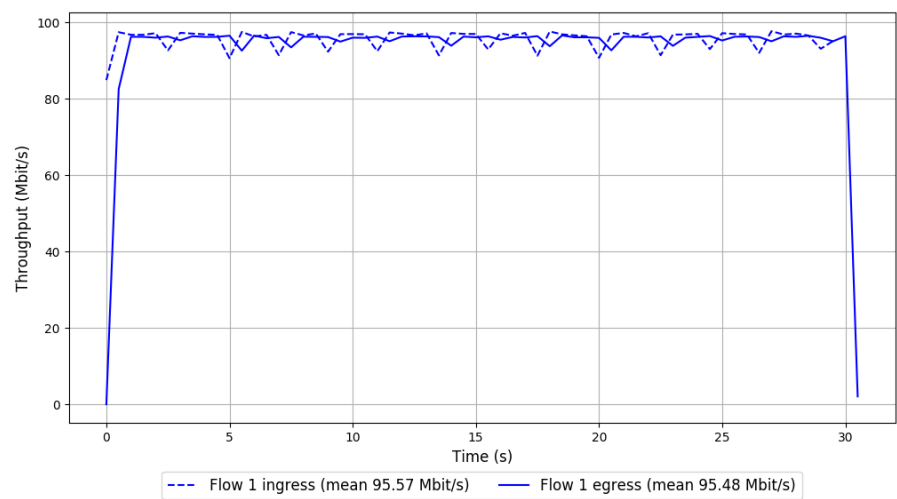


Run 7: Statistics of LEDBAT

Start at: 2018-08-21 21:05:22  
End at: 2018-08-21 21:05:52  
Local clock offset: -6.259 ms  
Remote clock offset: -2.606 ms

# Below is generated by plot.py at 2018-08-21 22:20:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.48 Mbit/s  
95th percentile per-packet one-way delay: 30.504 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 95.48 Mbit/s  
95th percentile per-packet one-way delay: 30.504 ms  
Loss rate: 0.03%

Run 7: Report of LEDBAT — Data Link

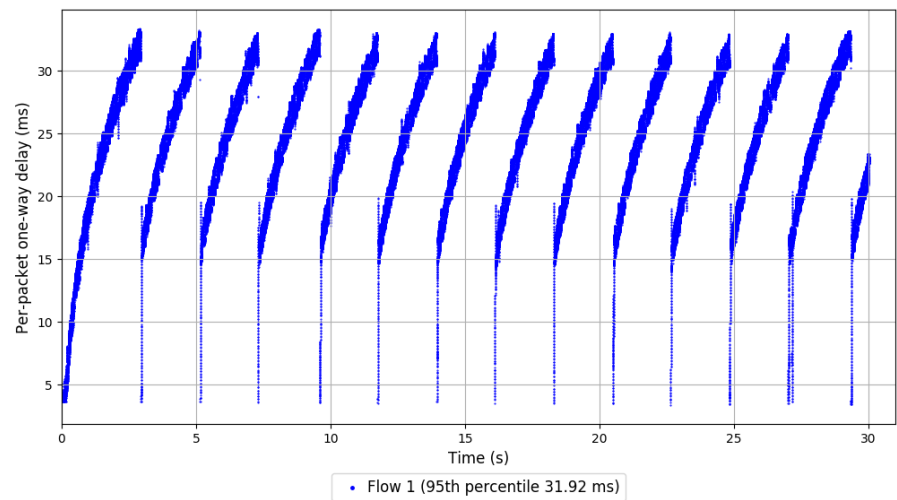
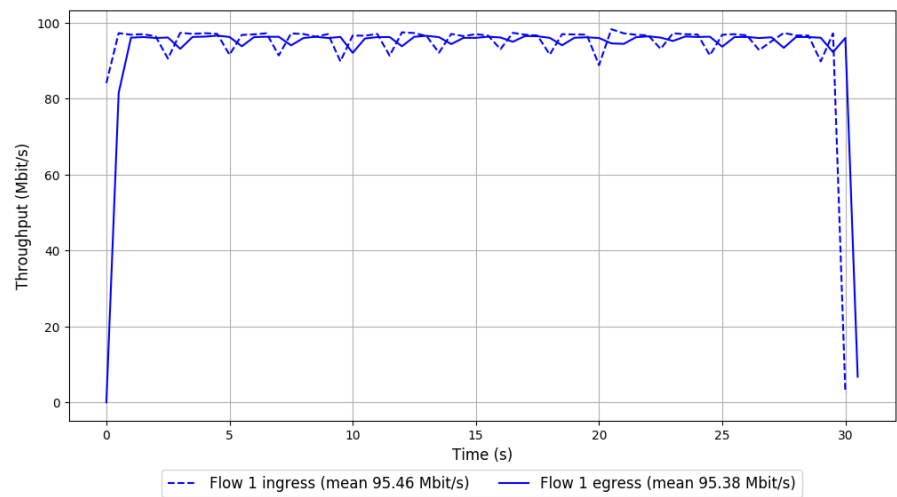


Run 8: Statistics of LEDBAT

Start at: 2018-08-21 21:24:21  
End at: 2018-08-21 21:24:51  
Local clock offset: -6.823 ms  
Remote clock offset: 13.979 ms

# Below is generated by plot.py at 2018-08-21 22:20:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.38 Mbit/s  
95th percentile per-packet one-way delay: 31.924 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 95.38 Mbit/s  
95th percentile per-packet one-way delay: 31.924 ms  
Loss rate: 0.03%

Run 8: Report of LEDBAT — Data Link

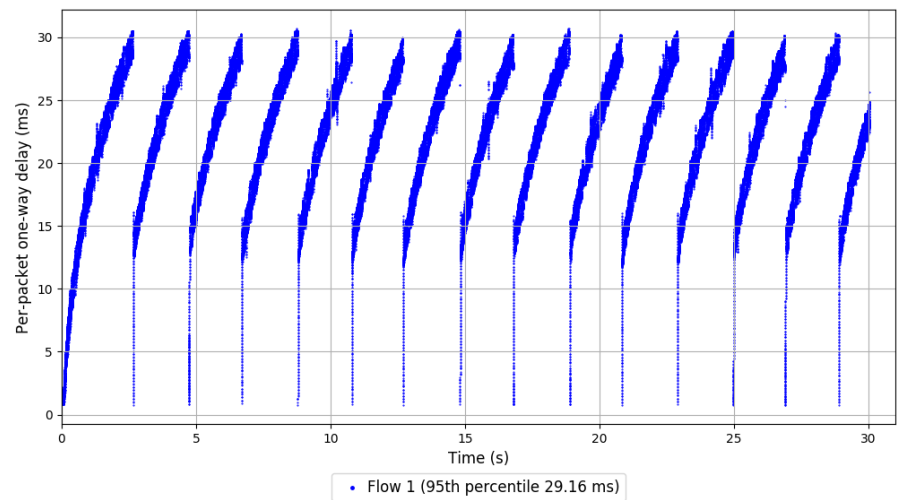
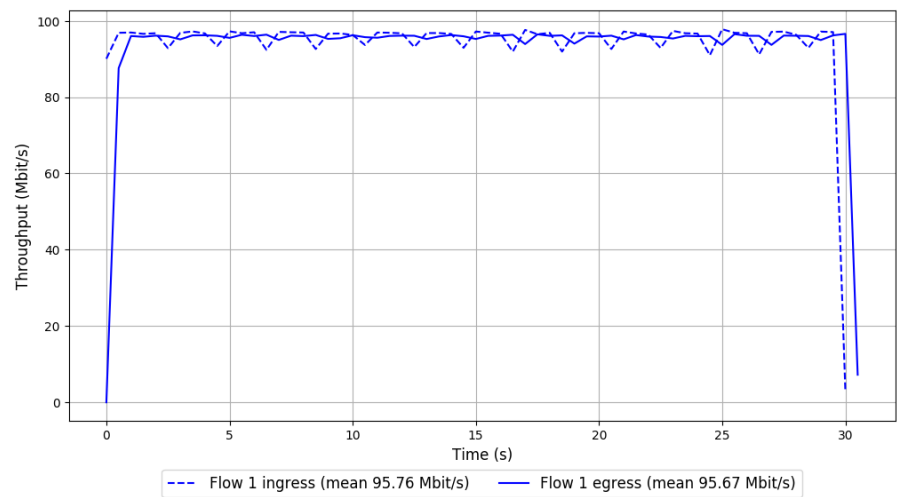


Run 9: Statistics of LEDBAT

Start at: 2018-08-21 21:43:19  
End at: 2018-08-21 21:43:49  
Local clock offset: -5.305 ms  
Remote clock offset: 19.755 ms

# Below is generated by plot.py at 2018-08-21 22:20:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.67 Mbit/s  
95th percentile per-packet one-way delay: 29.159 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 95.67 Mbit/s  
95th percentile per-packet one-way delay: 29.159 ms  
Loss rate: 0.02%

Run 9: Report of LEDBAT — Data Link

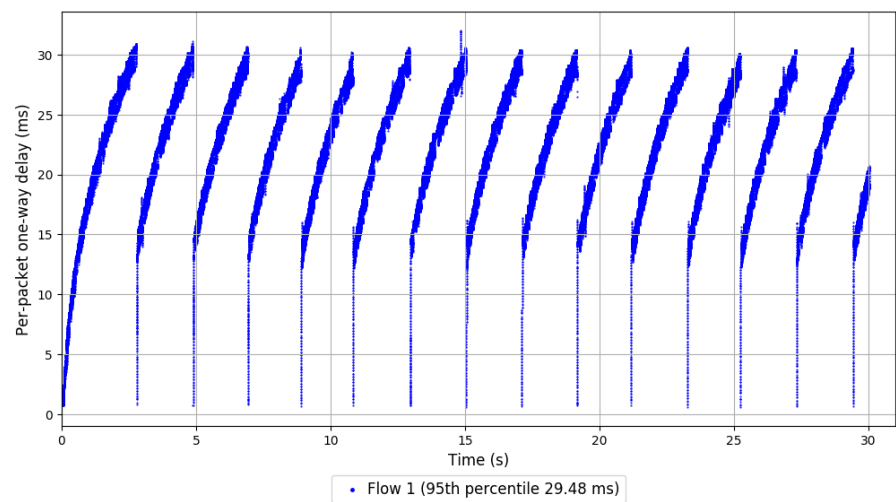
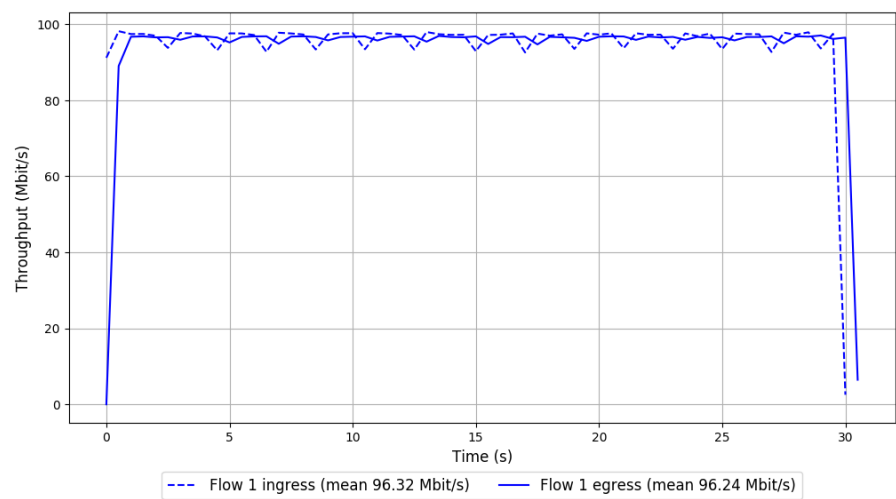


Run 10: Statistics of LEDBAT

Start at: 2018-08-21 22:02:16  
End at: 2018-08-21 22:02:46  
Local clock offset: -4.333 ms  
Remote clock offset: 25.103 ms

# Below is generated by plot.py at 2018-08-21 22:21:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.24 Mbit/s  
95th percentile per-packet one-way delay: 29.476 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 96.24 Mbit/s  
95th percentile per-packet one-way delay: 29.476 ms  
Loss rate: 0.02%

Run 10: Report of LEDBAT — Data Link

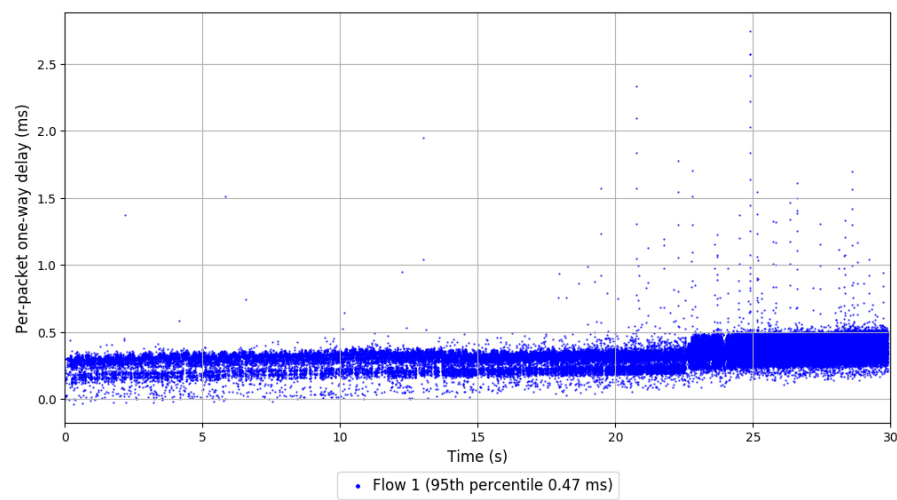
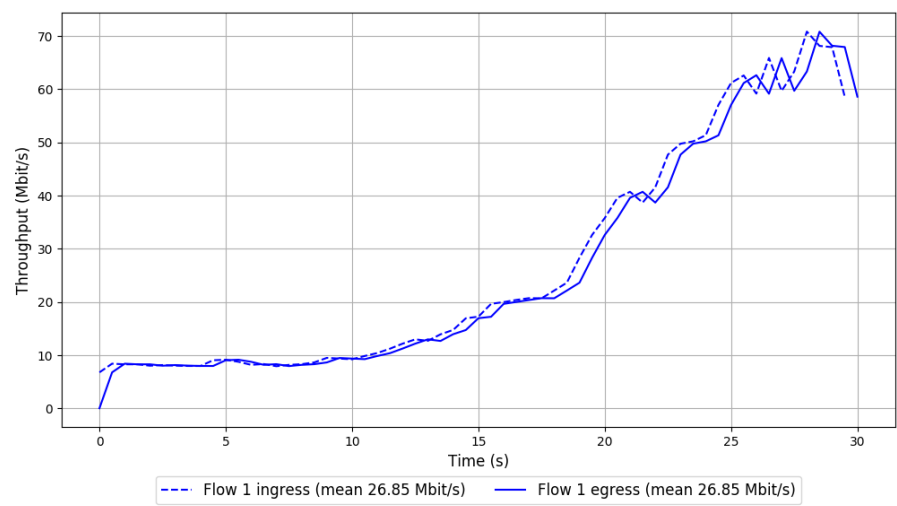


```
Run 1: Statistics of PCC-Allegro

Start at: 2018-08-21 18:58:05
End at: 2018-08-21 18:58:35
Local clock offset: 0.589 ms
Remote clock offset: -5.871 ms

# Below is generated by plot.py at 2018-08-21 22:21:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.85 Mbit/s
95th percentile per-packet one-way delay: 0.466 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 26.85 Mbit/s
95th percentile per-packet one-way delay: 0.466 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Allegro — Data Link

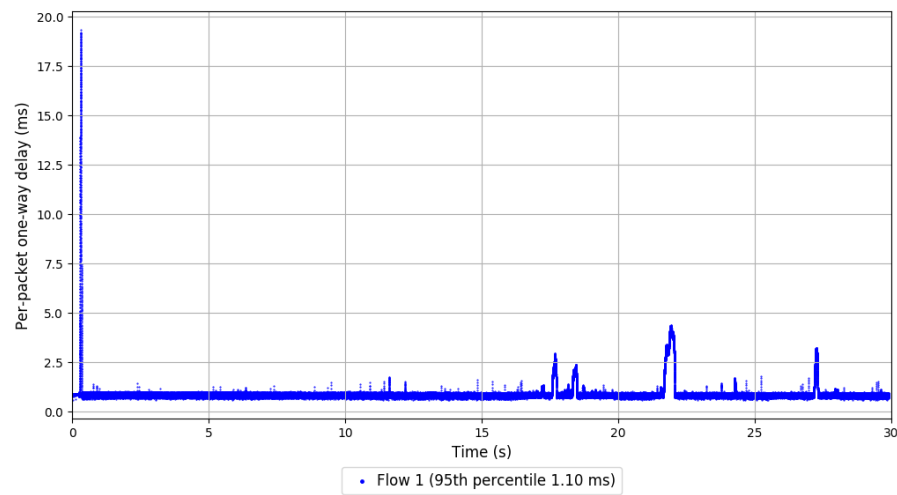
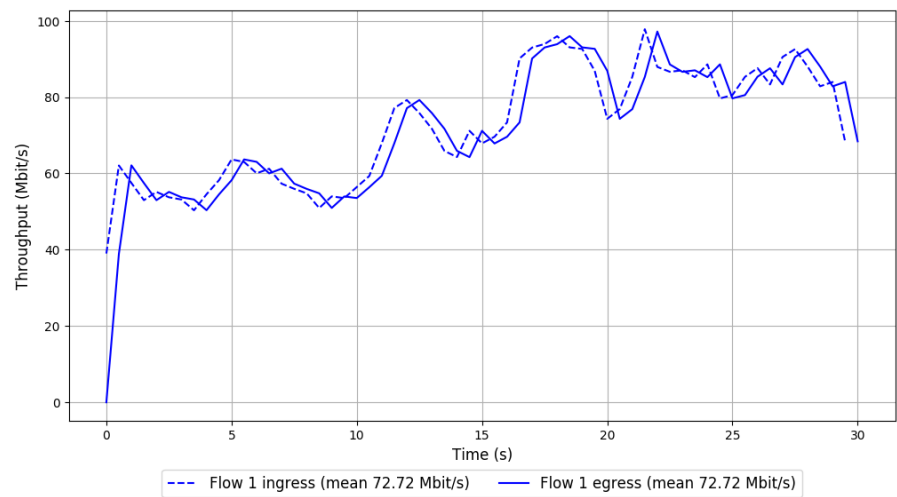


Run 2: Statistics of PCC-Allegro

Start at: 2018-08-21 19:16:59  
End at: 2018-08-21 19:17:29  
Local clock offset: -3.128 ms  
Remote clock offset: -8.165 ms

# Below is generated by plot.py at 2018-08-21 22:21:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 72.72 Mbit/s  
95th percentile per-packet one-way delay: 1.105 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 72.72 Mbit/s  
95th percentile per-packet one-way delay: 1.105 ms  
Loss rate: 0.00%

Run 2: Report of PCC-Allegro — Data Link

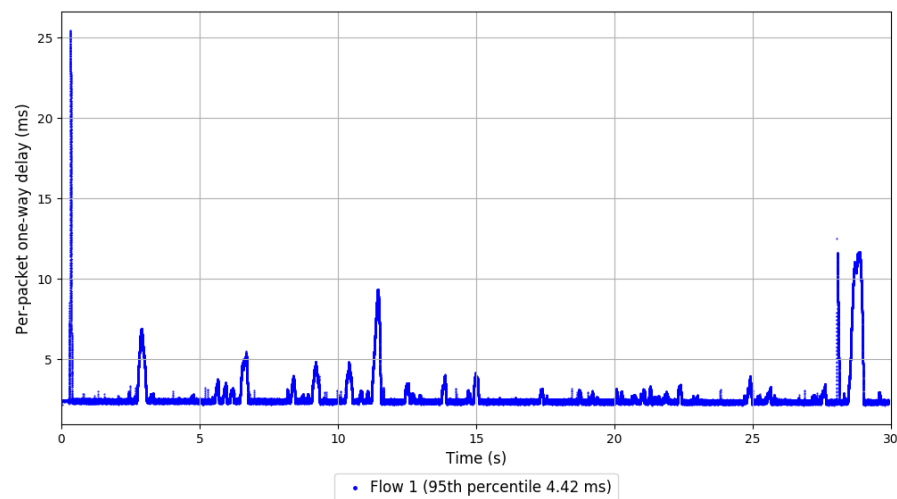
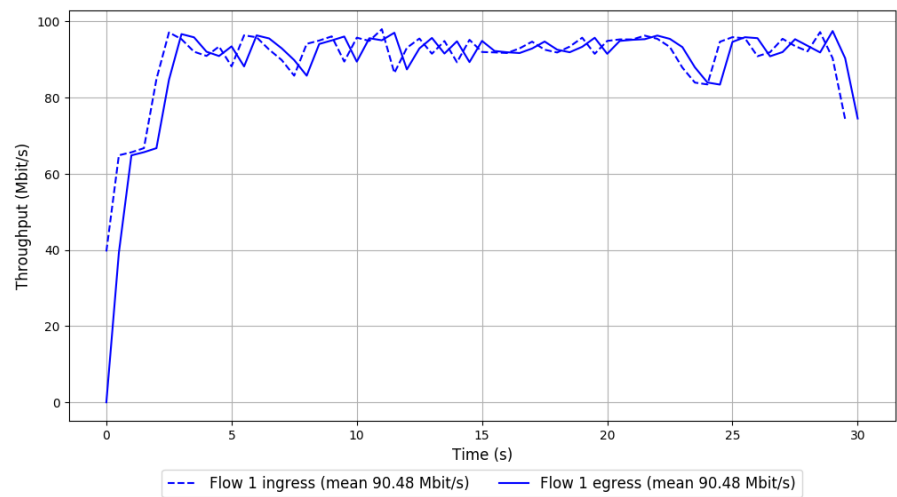


Run 3: Statistics of PCC-Allegro

Start at: 2018-08-21 19:36:00  
End at: 2018-08-21 19:36:30  
Local clock offset: -4.297 ms  
Remote clock offset: -3.932 ms

# Below is generated by plot.py at 2018-08-21 22:21:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.48 Mbit/s  
95th percentile per-packet one-way delay: 4.421 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 90.48 Mbit/s  
95th percentile per-packet one-way delay: 4.421 ms  
Loss rate: 0.00%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-08-21 19:55:01

End at: 2018-08-21 19:55:31

Local clock offset: -3.464 ms

Remote clock offset: -2.33 ms

# Below is generated by plot.py at 2018-08-21 22:21:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.23 Mbit/s

95th percentile per-packet one-way delay: 1.286 ms

Loss rate: 0.00%

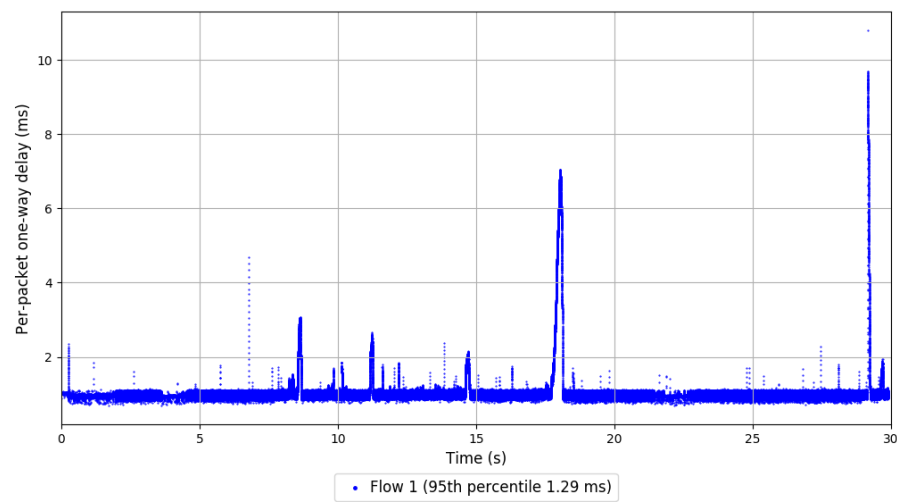
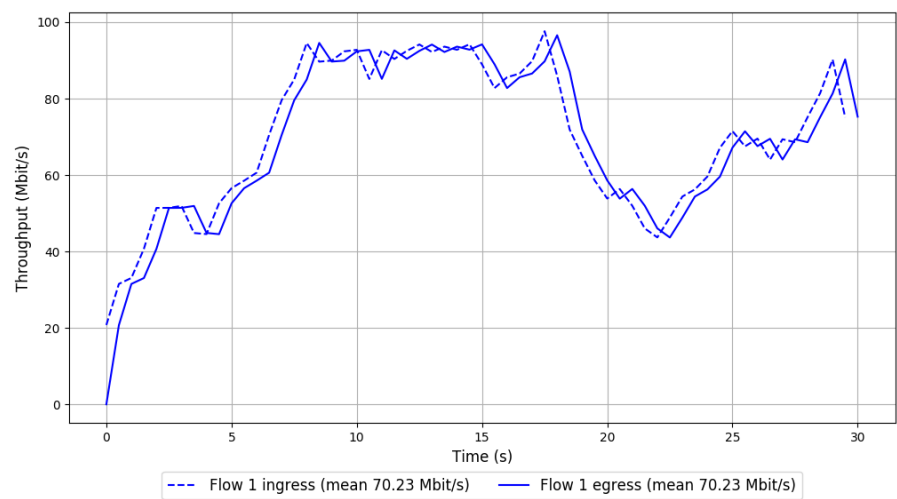
-- Flow 1:

Average throughput: 70.23 Mbit/s

95th percentile per-packet one-way delay: 1.286 ms

Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-08-21 20:14:03

End at: 2018-08-21 20:14:33

Local clock offset: -2.437 ms

Remote clock offset: -2.036 ms

# Below is generated by plot.py at 2018-08-21 22:21:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.79 Mbit/s

95th percentile per-packet one-way delay: 2.601 ms

Loss rate: 0.00%

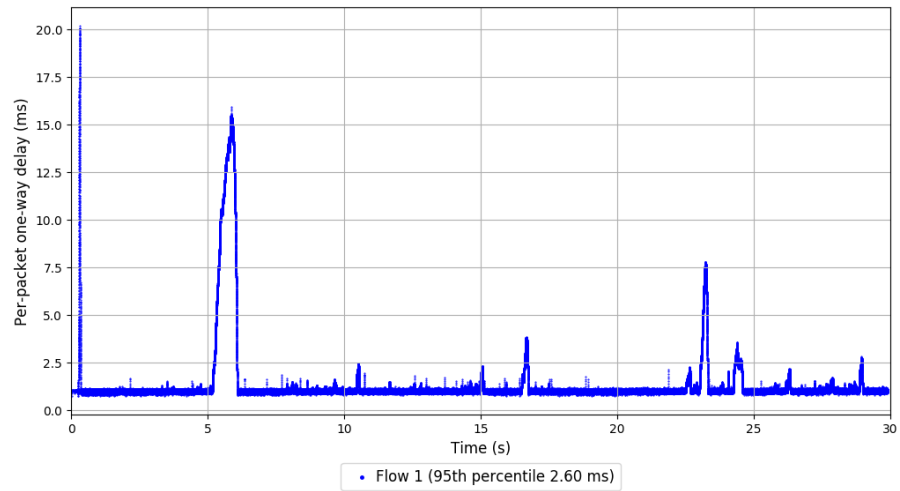
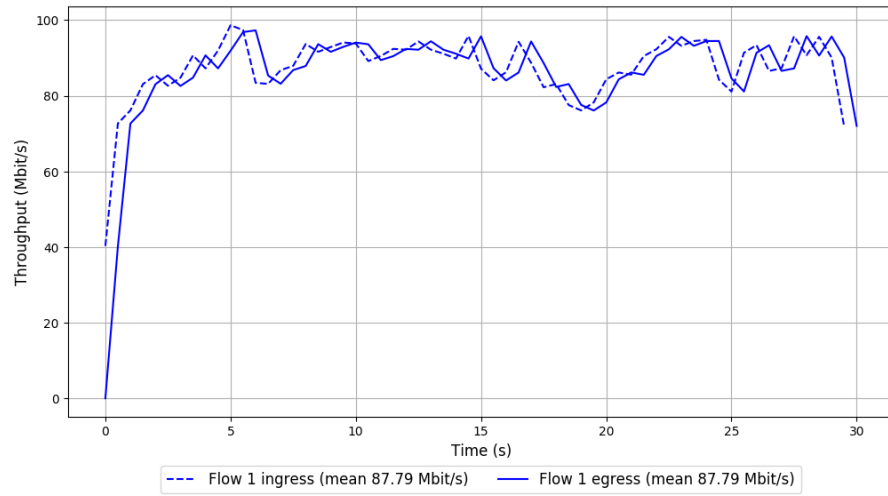
-- Flow 1:

Average throughput: 87.79 Mbit/s

95th percentile per-packet one-way delay: 2.601 ms

Loss rate: 0.00%

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



Run 6: Statistics of PCC-Allegro

Start at: 2018-08-21 20:33:06

End at: 2018-08-21 20:33:36

Local clock offset: -2.265 ms

Remote clock offset: -1.903 ms

# Below is generated by plot.py at 2018-08-21 22:21:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.77 Mbit/s

95th percentile per-packet one-way delay: 1.883 ms

Loss rate: 0.00%

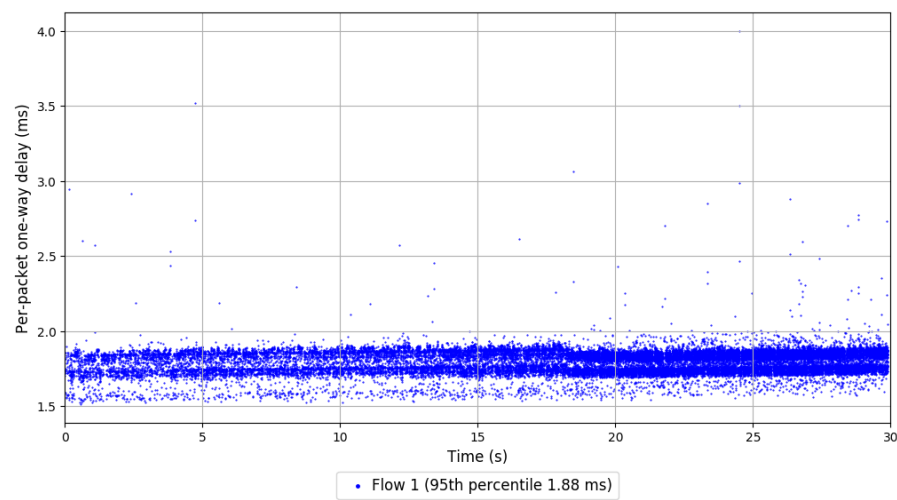
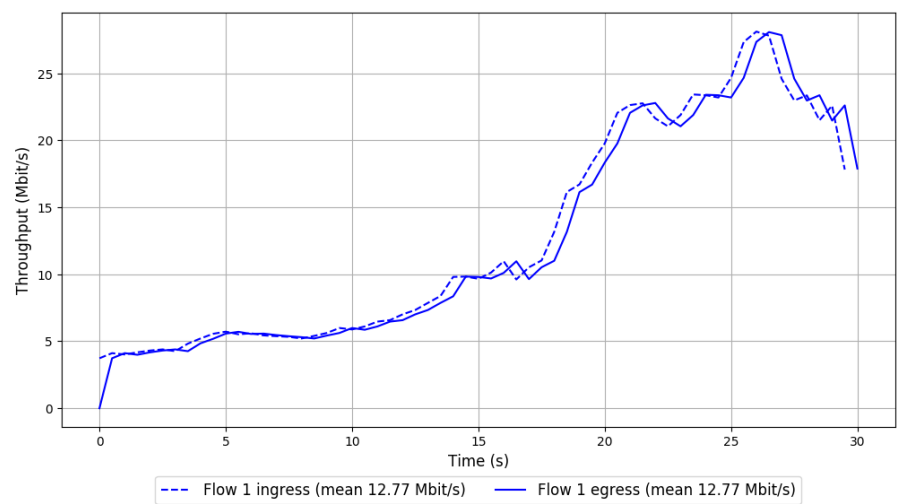
-- Flow 1:

Average throughput: 12.77 Mbit/s

95th percentile per-packet one-way delay: 1.883 ms

Loss rate: 0.00%

Run 6: Report of PCC-Allegro — Data Link

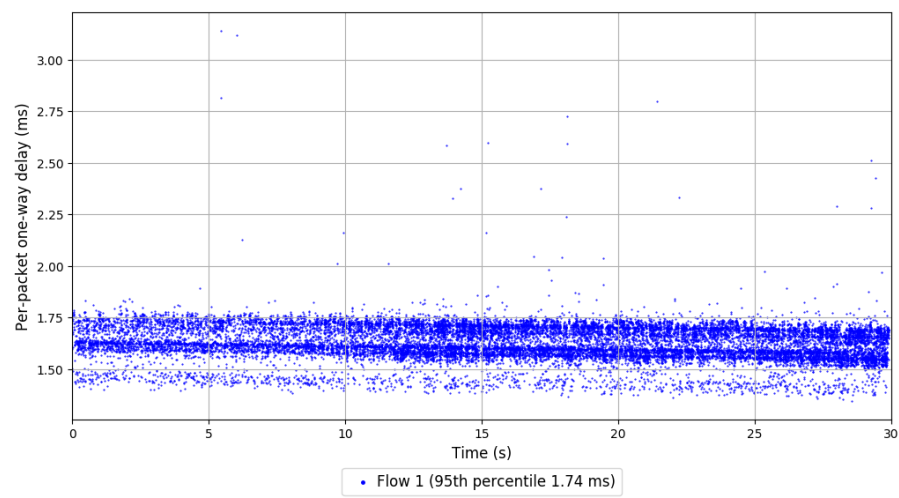
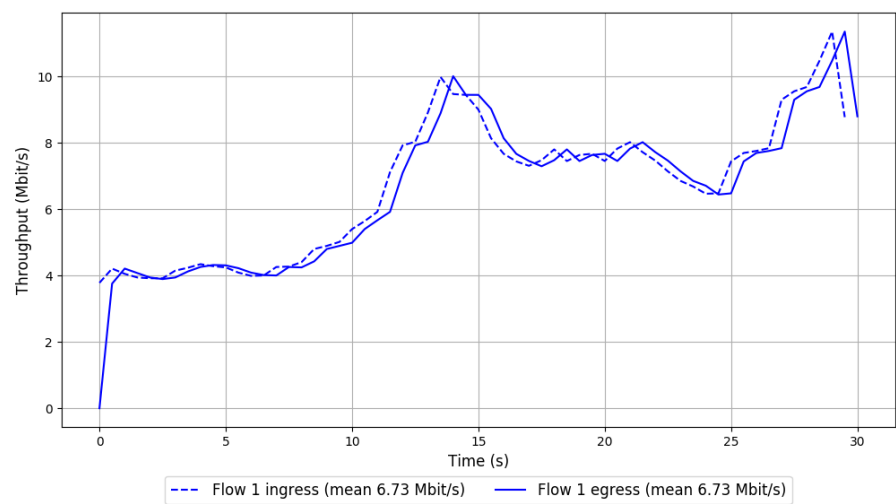


Run 7: Statistics of PCC-Allegro

Start at: 2018-08-21 20:52:05  
End at: 2018-08-21 20:52:35  
Local clock offset: -6.029 ms  
Remote clock offset: -2.527 ms

# Below is generated by plot.py at 2018-08-21 22:21:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.73 Mbit/s  
95th percentile per-packet one-way delay: 1.736 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 6.73 Mbit/s  
95th percentile per-packet one-way delay: 1.736 ms  
Loss rate: 0.00%

Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-08-21 21:11:04

End at: 2018-08-21 21:11:34

Local clock offset: -5.368 ms

Remote clock offset: 4.56 ms

# Below is generated by plot.py at 2018-08-21 22:21:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 68.03 Mbit/s

95th percentile per-packet one-way delay: 26.162 ms

Loss rate: 0.13%

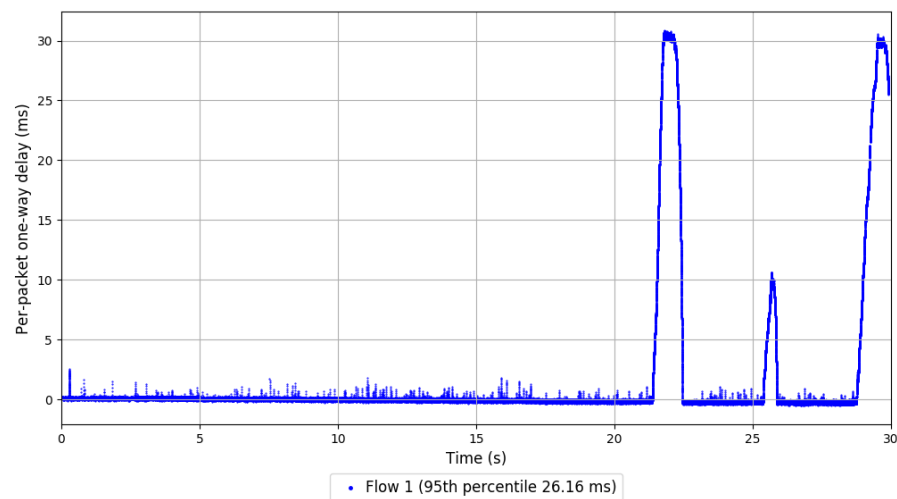
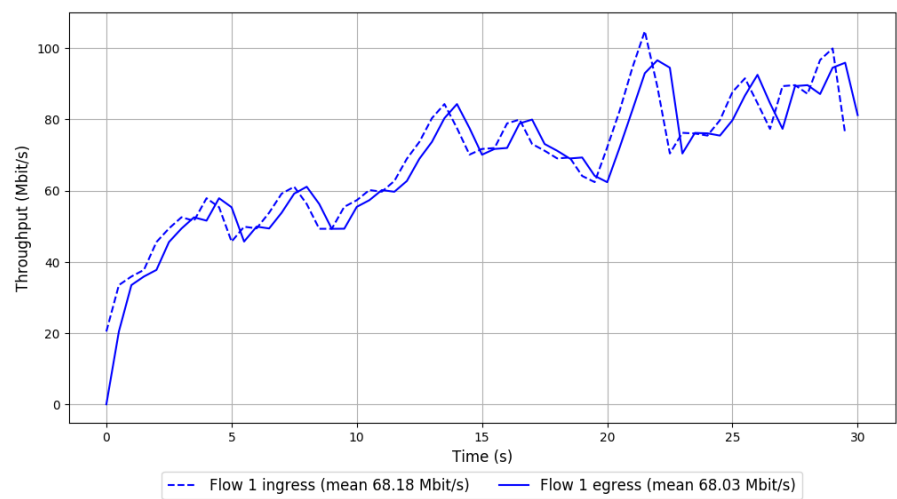
-- Flow 1:

Average throughput: 68.03 Mbit/s

95th percentile per-packet one-way delay: 26.162 ms

Loss rate: 0.13%

Run 8: Report of PCC-Allegro — Data Link

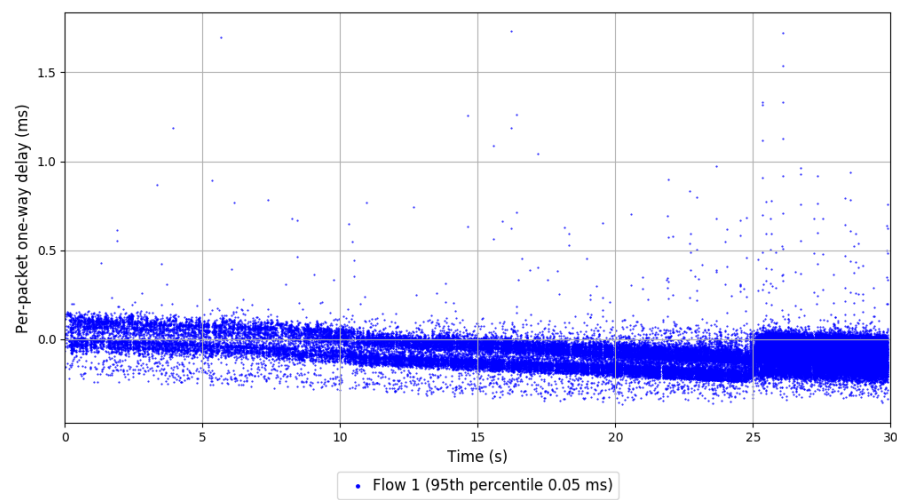
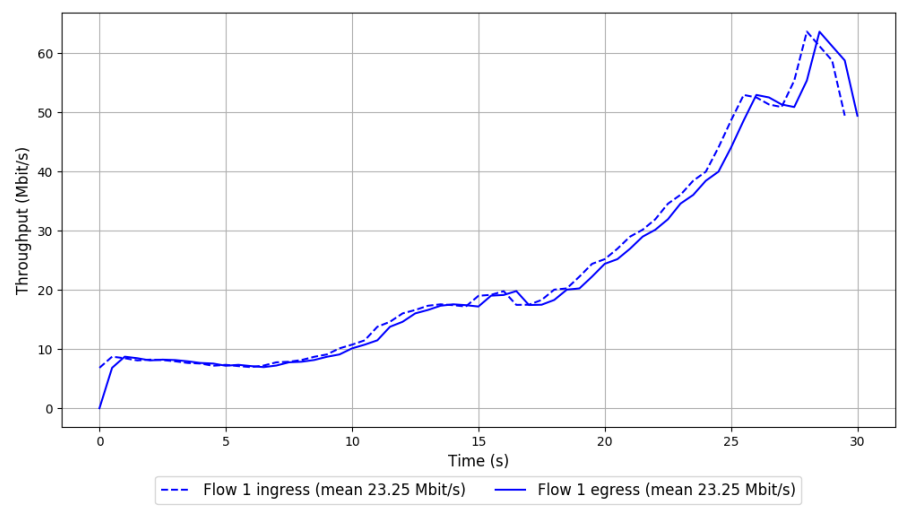


Run 9: Statistics of PCC-Allegro

Start at: 2018-08-21 21:30:02  
End at: 2018-08-21 21:30:32  
Local clock offset: -5.334 ms  
Remote clock offset: 15.502 ms

# Below is generated by plot.py at 2018-08-21 22:21:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 23.25 Mbit/s  
95th percentile per-packet one-way delay: 0.047 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 23.25 Mbit/s  
95th percentile per-packet one-way delay: 0.047 ms  
Loss rate: 0.00%

Run 9: Report of PCC-Allegro — Data Link

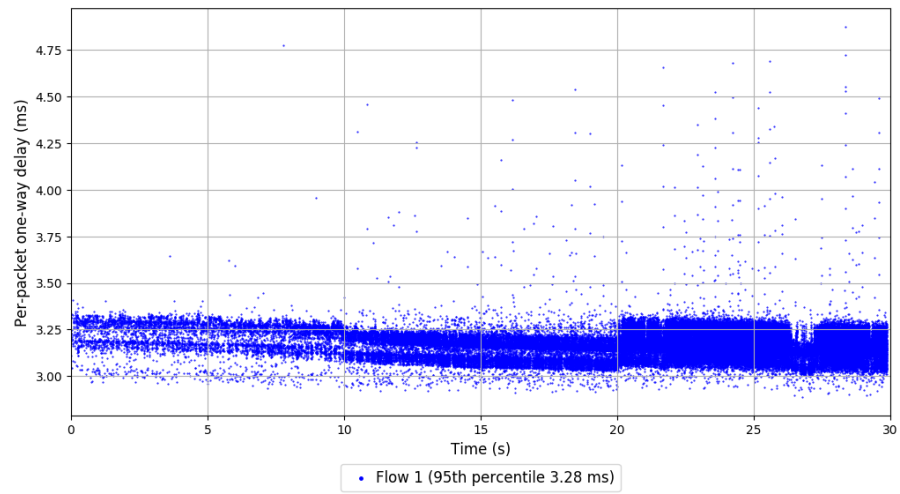
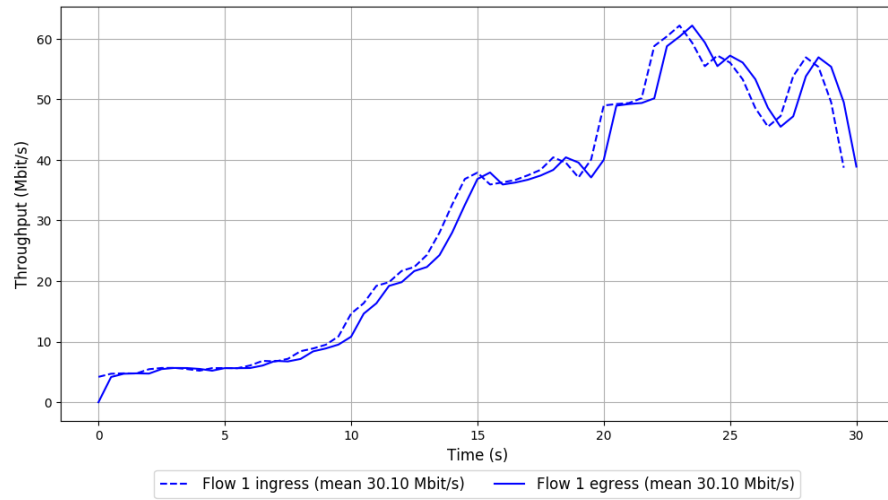


Run 10: Statistics of PCC-Allegro

Start at: 2018-08-21 21:49:00  
End at: 2018-08-21 21:49:30  
Local clock offset: -5.645 ms  
Remote clock offset: 21.437 ms

# Below is generated by plot.py at 2018-08-21 22:21:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 30.10 Mbit/s  
95th percentile per-packet one-way delay: 3.278 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 30.10 Mbit/s  
95th percentile per-packet one-way delay: 3.278 ms  
Loss rate: 0.01%

# Run 10: Report of PCC-Allegro — Data Link

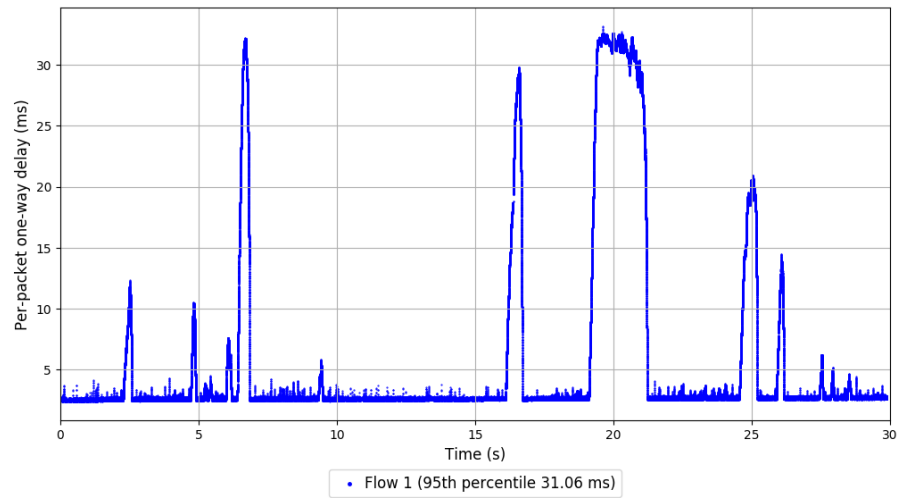
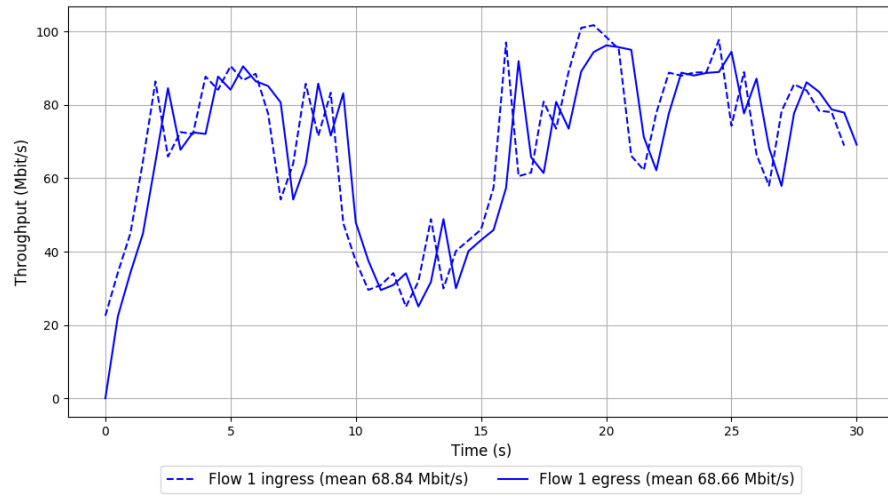


Run 1: Statistics of PCC-Expr

Start at: 2018-08-21 18:59:09  
End at: 2018-08-21 18:59:39  
Local clock offset: -0.154 ms  
Remote clock offset: -6.069 ms

# Below is generated by plot.py at 2018-08-21 22:22:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.66 Mbit/s  
95th percentile per-packet one-way delay: 31.058 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 68.66 Mbit/s  
95th percentile per-packet one-way delay: 31.058 ms  
Loss rate: 0.27%

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



Run 2: Statistics of PCC-Expr

Start at: 2018-08-21 19:18:05

End at: 2018-08-21 19:18:35

Local clock offset: -4.119 ms

Remote clock offset: -8.28 ms

# Below is generated by plot.py at 2018-08-21 22:22:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.73 Mbit/s

95th percentile per-packet one-way delay: 17.773 ms

Loss rate: 0.12%

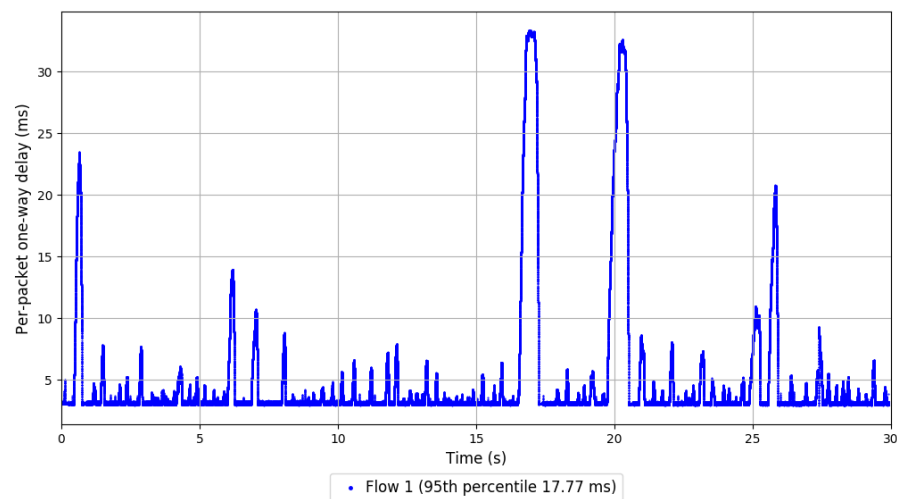
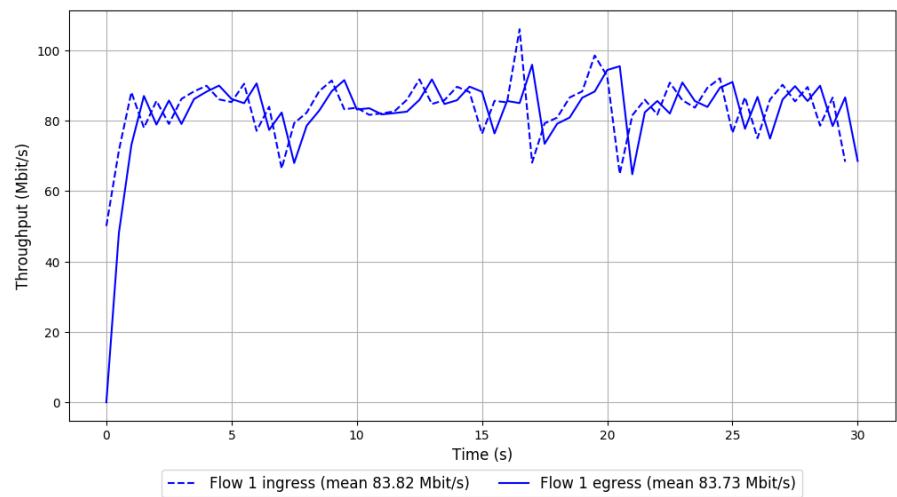
-- Flow 1:

Average throughput: 83.73 Mbit/s

95th percentile per-packet one-way delay: 17.773 ms

Loss rate: 0.12%

Run 2: Report of PCC-Expr — Data Link

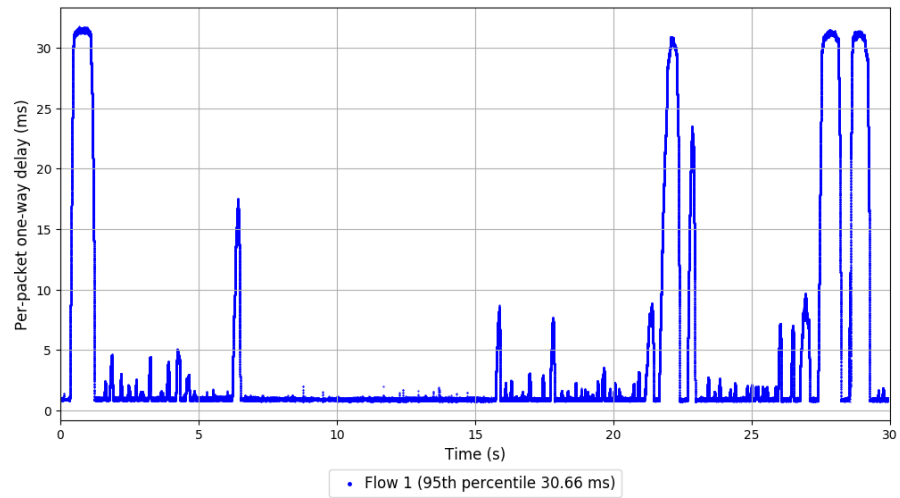
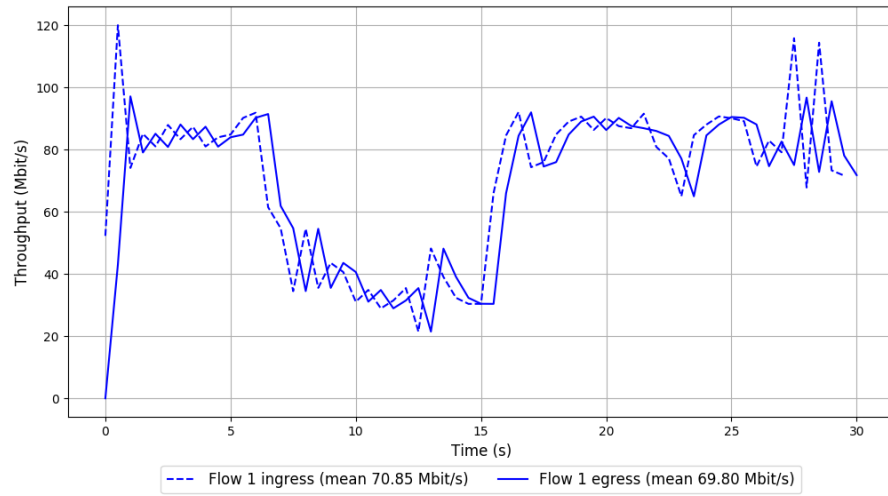


Run 3: Statistics of PCC-Expr

Start at: 2018-08-21 19:37:06  
End at: 2018-08-21 19:37:36  
Local clock offset: -4.24 ms  
Remote clock offset: -3.749 ms

# Below is generated by plot.py at 2018-08-21 22:22:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 69.80 Mbit/s  
95th percentile per-packet one-way delay: 30.658 ms  
Loss rate: 1.48%  
-- Flow 1:  
Average throughput: 69.80 Mbit/s  
95th percentile per-packet one-way delay: 30.658 ms  
Loss rate: 1.48%

### Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2018-08-21 19:56:07

End at: 2018-08-21 19:56:37

Local clock offset: -4.257 ms

Remote clock offset: -2.31 ms

# Below is generated by plot.py at 2018-08-21 22:23:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.49 Mbit/s

95th percentile per-packet one-way delay: 11.606 ms

Loss rate: 0.10%

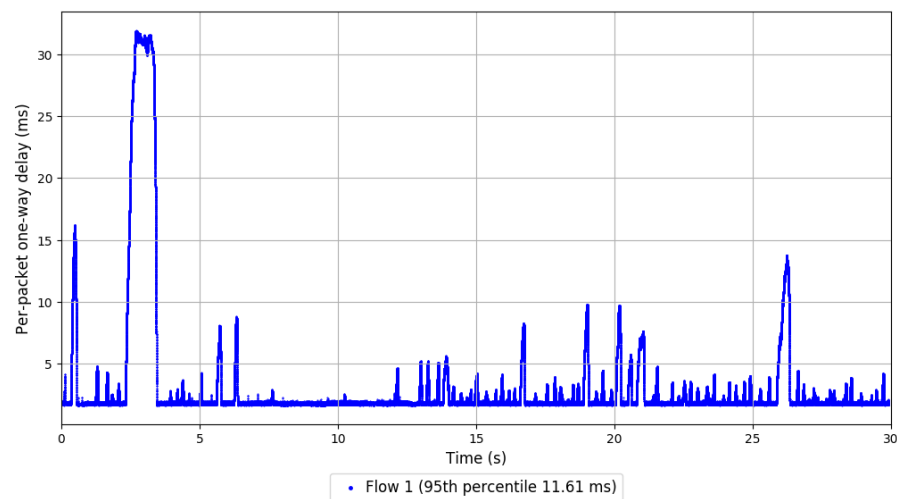
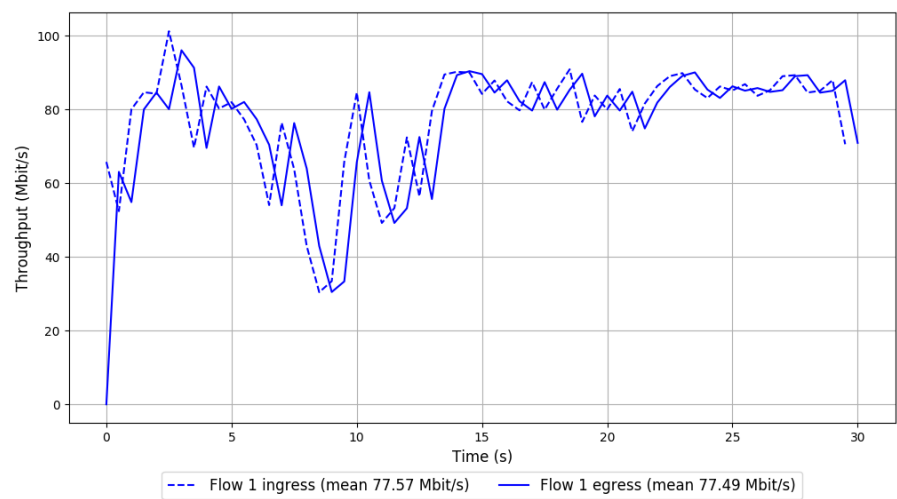
-- Flow 1:

Average throughput: 77.49 Mbit/s

95th percentile per-packet one-way delay: 11.606 ms

Loss rate: 0.10%

Run 4: Report of PCC-Expr — Data Link

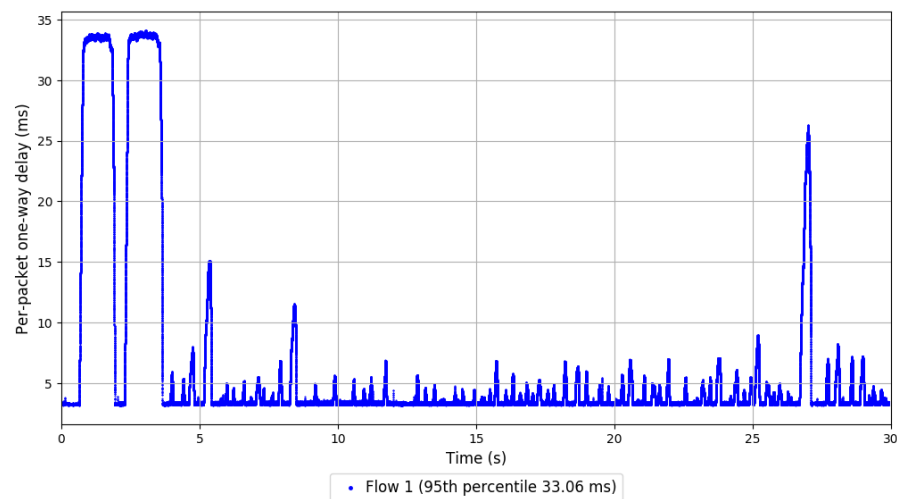
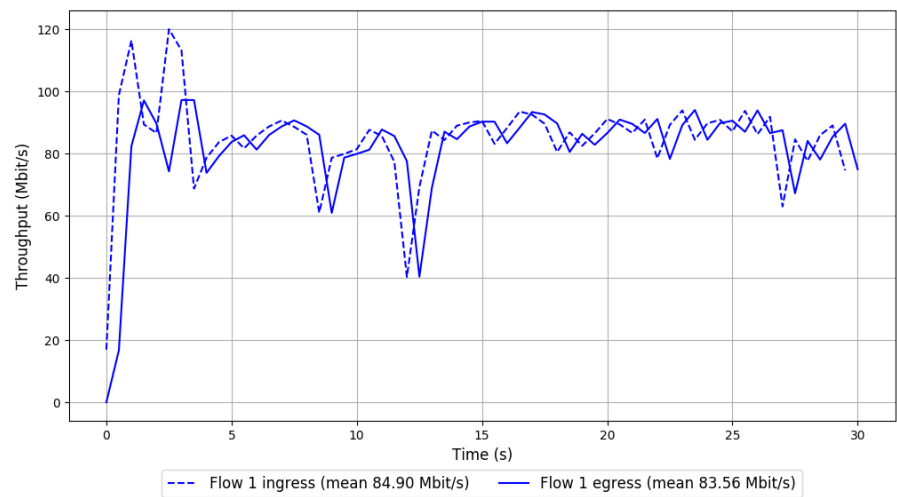


Run 5: Statistics of PCC-Expr

Start at: 2018-08-21 20:15:09  
End at: 2018-08-21 20:15:39  
Local clock offset: -3.217 ms  
Remote clock offset: -2.027 ms

# Below is generated by plot.py at 2018-08-21 22:23:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.56 Mbit/s  
95th percentile per-packet one-way delay: 33.061 ms  
Loss rate: 1.59%  
-- Flow 1:  
Average throughput: 83.56 Mbit/s  
95th percentile per-packet one-way delay: 33.061 ms  
Loss rate: 1.59%

Run 5: Report of PCC-Expr — Data Link

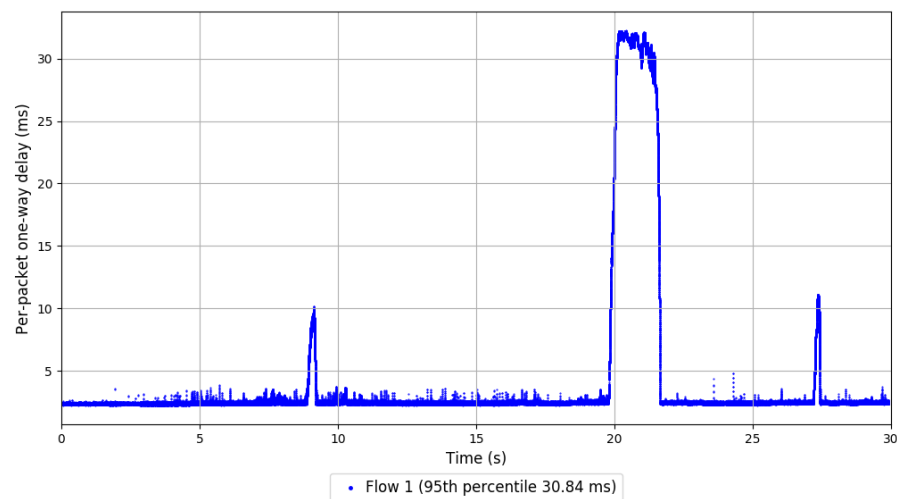
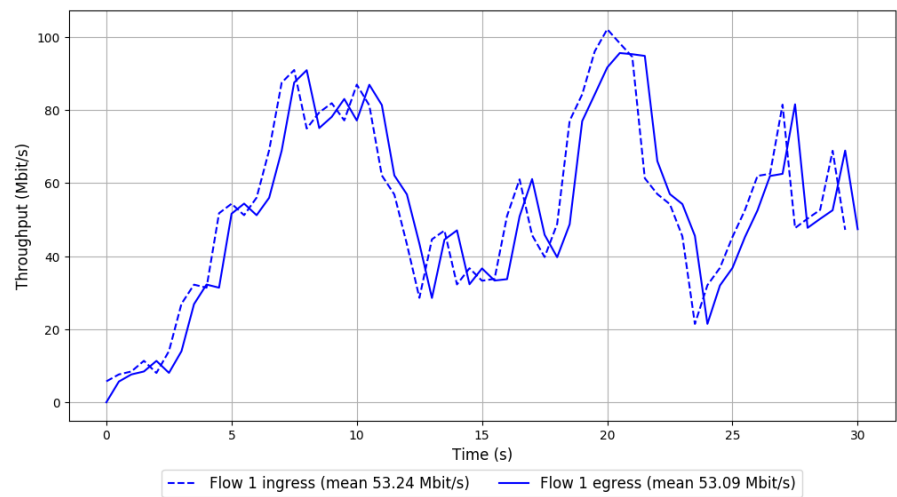


Run 6: Statistics of PCC-Expr

Start at: 2018-08-21 20:34:10  
End at: 2018-08-21 20:34:40  
Local clock offset: -1.388 ms  
Remote clock offset: -2.029 ms

# Below is generated by plot.py at 2018-08-21 22:23:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 53.09 Mbit/s  
95th percentile per-packet one-way delay: 30.836 ms  
Loss rate: 0.29%  
-- Flow 1:  
Average throughput: 53.09 Mbit/s  
95th percentile per-packet one-way delay: 30.836 ms  
Loss rate: 0.29%

Run 6: Report of PCC-Expr — Data Link

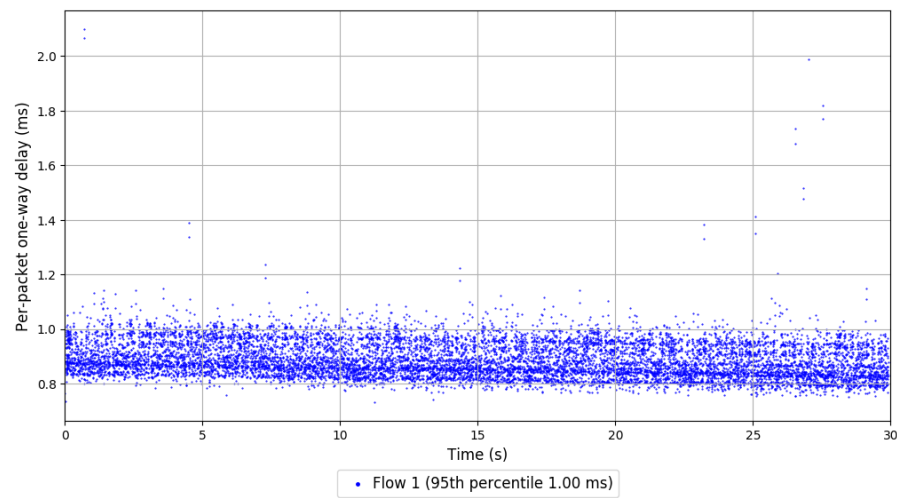
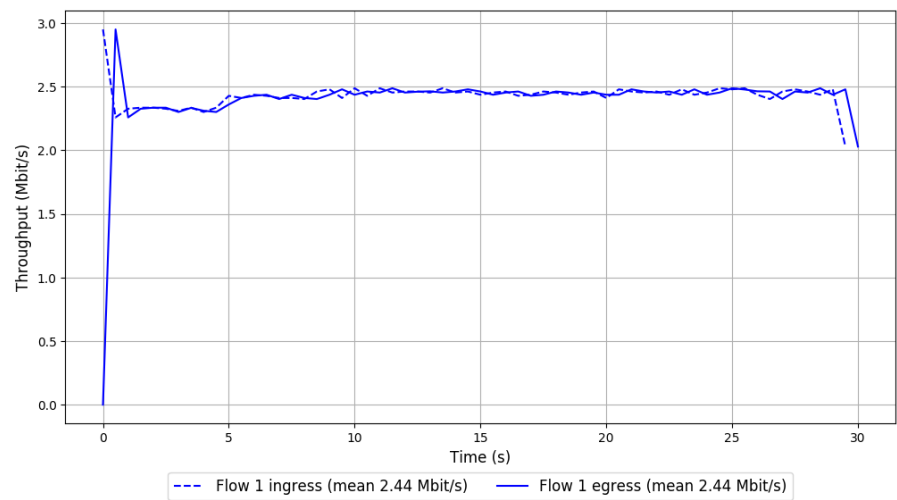


Run 7: Statistics of PCC-Expr

Start at: 2018-08-21 20:53:09  
End at: 2018-08-21 20:53:39  
Local clock offset: -5.41 ms  
Remote clock offset: -2.563 ms

# Below is generated by plot.py at 2018-08-21 22:23:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.44 Mbit/s  
95th percentile per-packet one-way delay: 0.996 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.44 Mbit/s  
95th percentile per-packet one-way delay: 0.996 ms  
Loss rate: 0.00%

Run 7: Report of PCC-Expr — Data Link



Run 8: Statistics of PCC-Expr

Start at: 2018-08-21 21:12:10

End at: 2018-08-21 21:12:40

Local clock offset: -6.888 ms

Remote clock offset: 5.651 ms

# Below is generated by plot.py at 2018-08-21 22:23:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 32.59 Mbit/s

95th percentile per-packet one-way delay: 32.096 ms

Loss rate: 1.63%

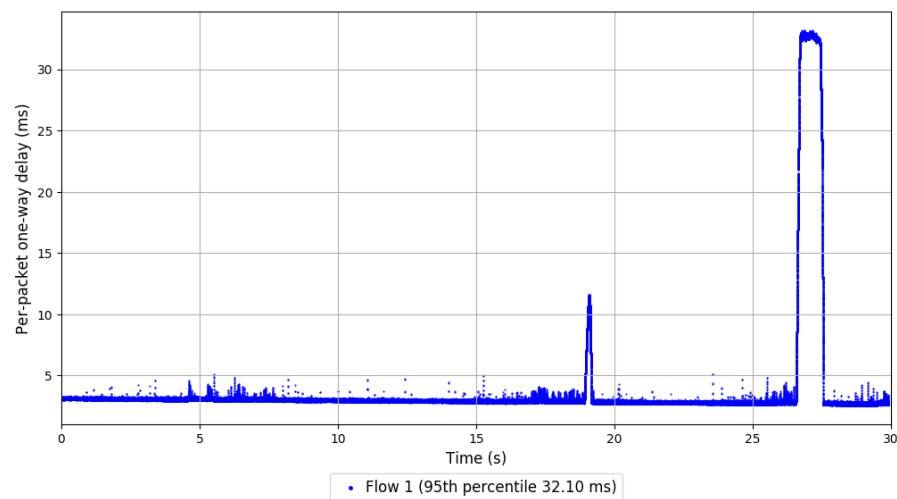
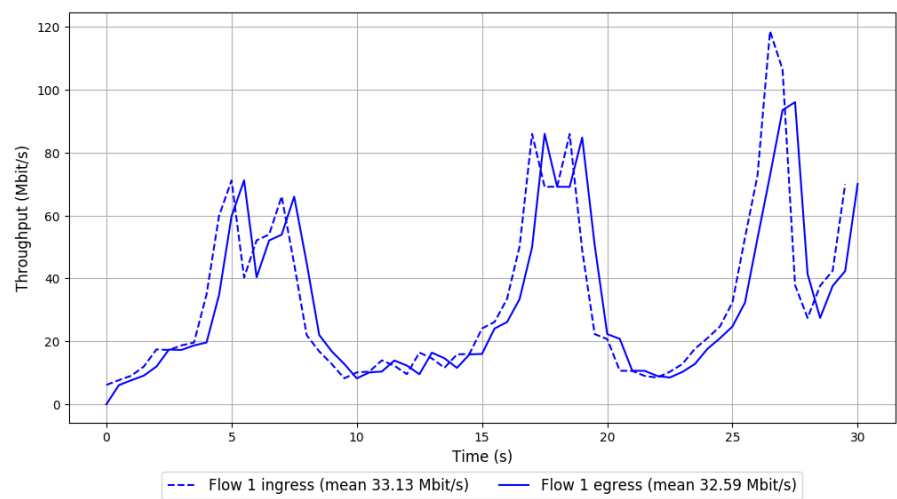
-- Flow 1:

Average throughput: 32.59 Mbit/s

95th percentile per-packet one-way delay: 32.096 ms

Loss rate: 1.63%

Run 8: Report of PCC-Expr — Data Link

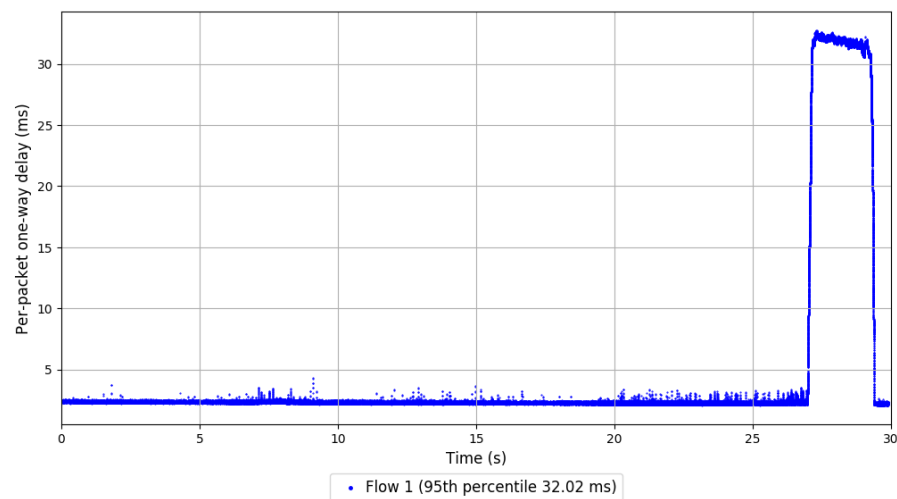
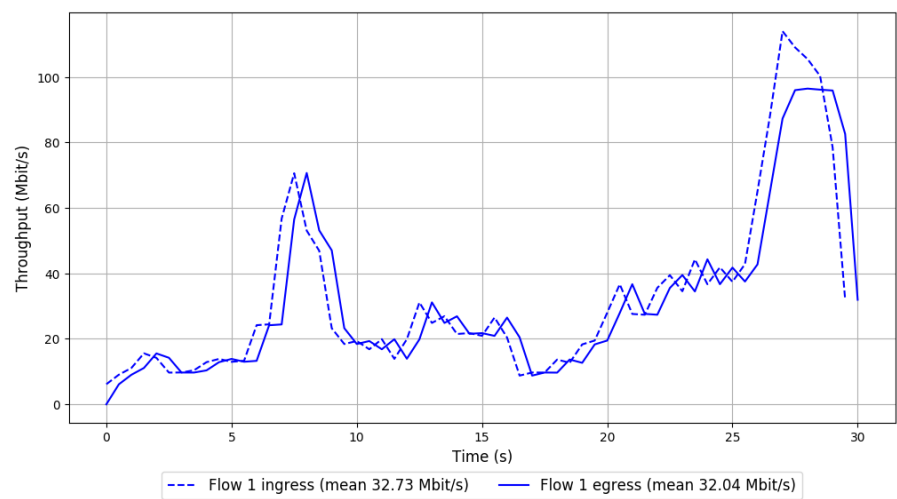


Run 9: Statistics of PCC-Expr

Start at: 2018-08-21 21:31:07  
End at: 2018-08-21 21:31:37  
Local clock offset: -6.127 ms  
Remote clock offset: 15.972 ms

# Below is generated by plot.py at 2018-08-21 22:23:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 32.04 Mbit/s  
95th percentile per-packet one-way delay: 32.023 ms  
Loss rate: 2.12%  
-- Flow 1:  
Average throughput: 32.04 Mbit/s  
95th percentile per-packet one-way delay: 32.023 ms  
Loss rate: 2.12%

Run 9: Report of PCC-Expr — Data Link

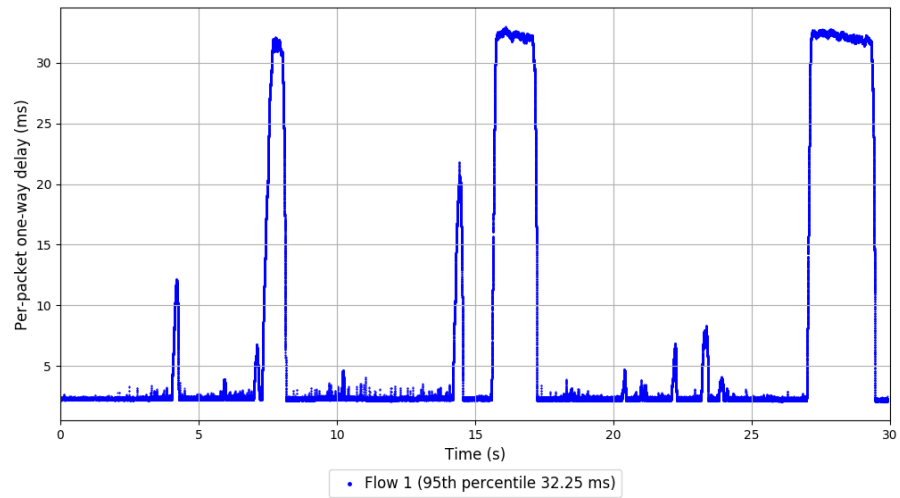
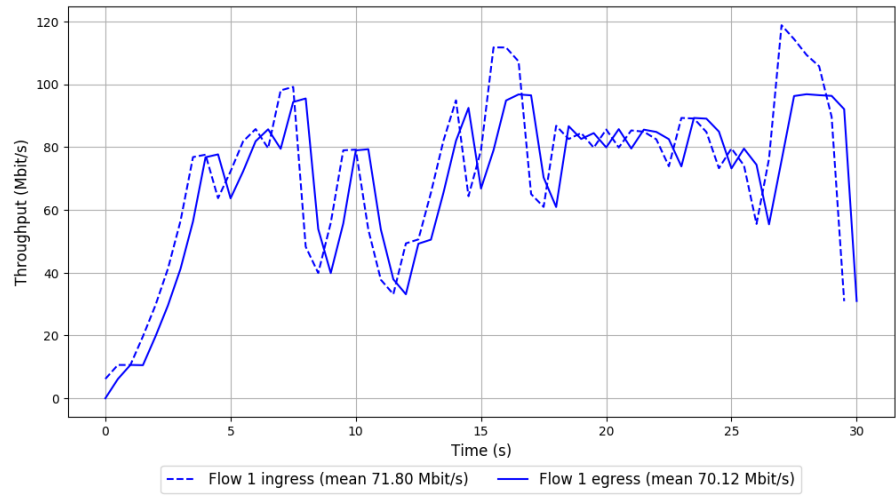


Run 10: Statistics of PCC-Expr

Start at: 2018-08-21 21:50:04  
End at: 2018-08-21 21:50:34  
Local clock offset: -4.74 ms  
Remote clock offset: 21.684 ms

# Below is generated by plot.py at 2018-08-21 22:23:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.12 Mbit/s  
95th percentile per-packet one-way delay: 32.252 ms  
Loss rate: 2.34%  
-- Flow 1:  
Average throughput: 70.12 Mbit/s  
95th percentile per-packet one-way delay: 32.252 ms  
Loss rate: 2.34%

# Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

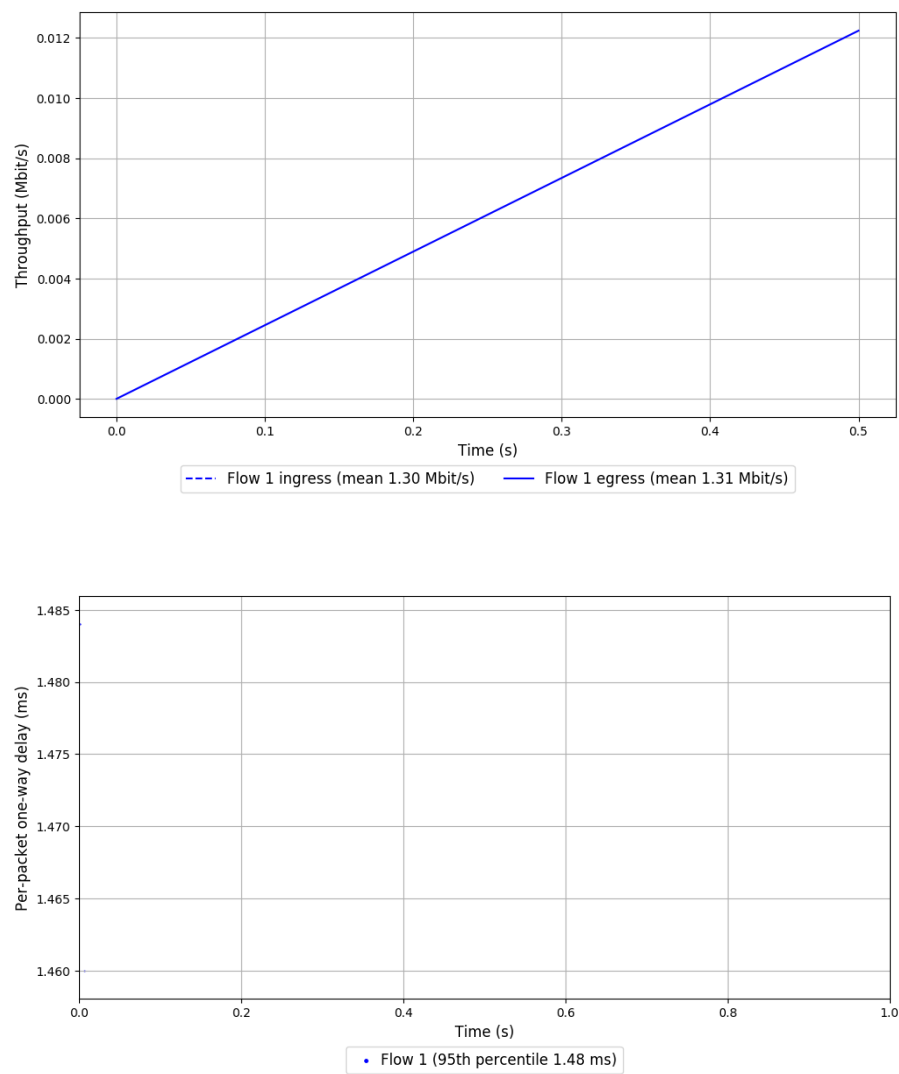
Start at: 2018-08-21 19:03:37

End at: 2018-08-21 19:04:07

Local clock offset: 0.98 ms

Remote clock offset: -6.825 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-08-21 19:22:36

End at: 2018-08-21 19:23:06

Local clock offset: -3.871 ms

Remote clock offset: -8.566 ms

# Below is generated by plot.py at 2018-08-21 22:23:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.36 Mbit/s

95th percentile per-packet one-way delay: 7.997 ms

Loss rate: 0.38%

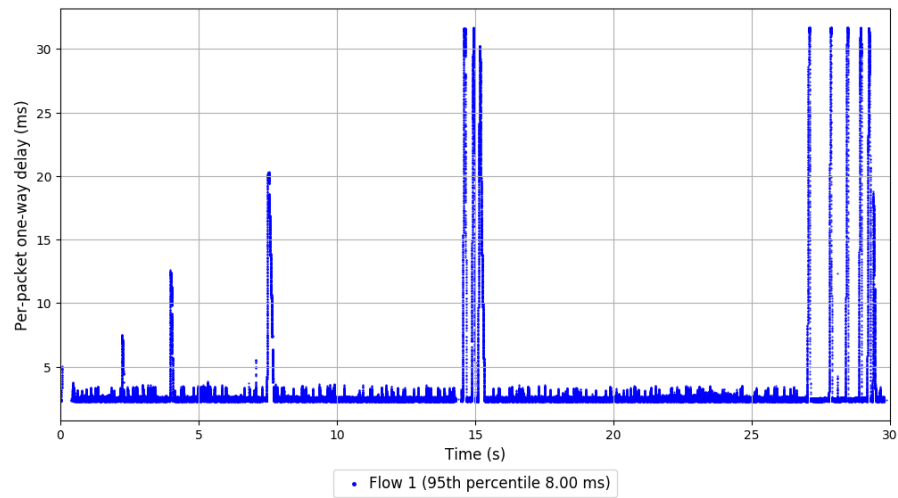
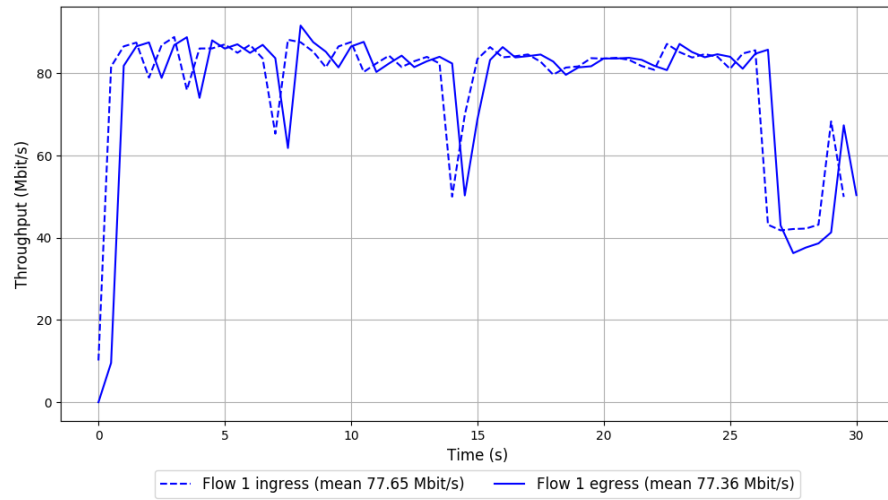
-- Flow 1:

Average throughput: 77.36 Mbit/s

95th percentile per-packet one-way delay: 7.997 ms

Loss rate: 0.38%

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



Run 3: Statistics of QUIC Cubic

Start at: 2018-08-21 19:41:36

End at: 2018-08-21 19:42:06

Local clock offset: -4.072 ms

Remote clock offset: -3.153 ms

# Below is generated by plot.py at 2018-08-21 22:23:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.83 Mbit/s

95th percentile per-packet one-way delay: 1.879 ms

Loss rate: 0.23%

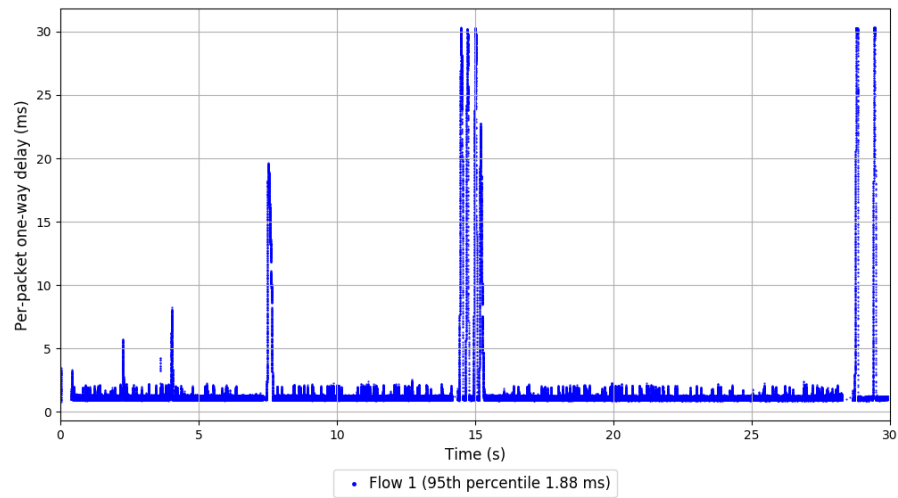
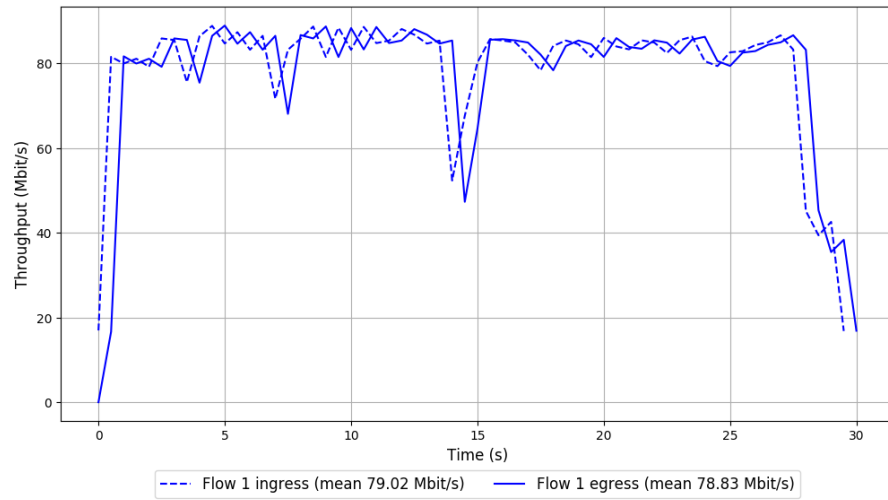
-- Flow 1:

Average throughput: 78.83 Mbit/s

95th percentile per-packet one-way delay: 1.879 ms

Loss rate: 0.23%

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



Run 4: Statistics of QUIC Cubic

Start at: 2018-08-21 20:00:37

End at: 2018-08-21 20:01:07

Local clock offset: -3.278 ms

Remote clock offset: -2.216 ms

# Below is generated by plot.py at 2018-08-21 22:23:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.28 Mbit/s

95th percentile per-packet one-way delay: 8.661 ms

Loss rate: 0.38%

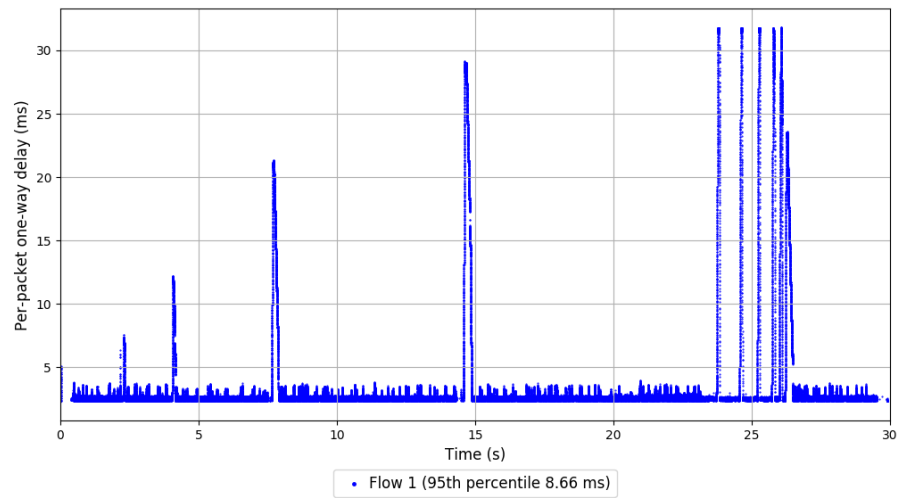
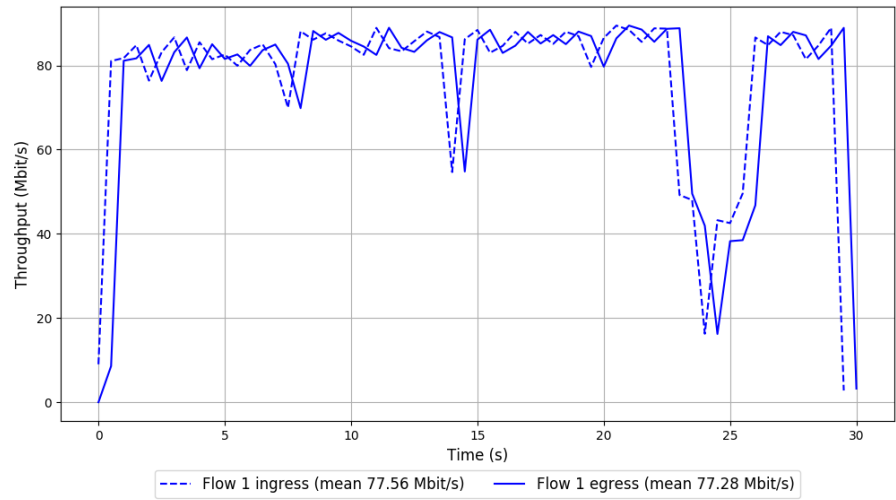
-- Flow 1:

Average throughput: 77.28 Mbit/s

95th percentile per-packet one-way delay: 8.661 ms

Loss rate: 0.38%

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



Run 5: Statistics of QUIC Cubic

Start at: 2018-08-21 20:19:39

End at: 2018-08-21 20:20:09

Local clock offset: -2.879 ms

Remote clock offset: -1.998 ms

# Below is generated by plot.py at 2018-08-21 22:23:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.17 Mbit/s

95th percentile per-packet one-way delay: 3.297 ms

Loss rate: 0.34%

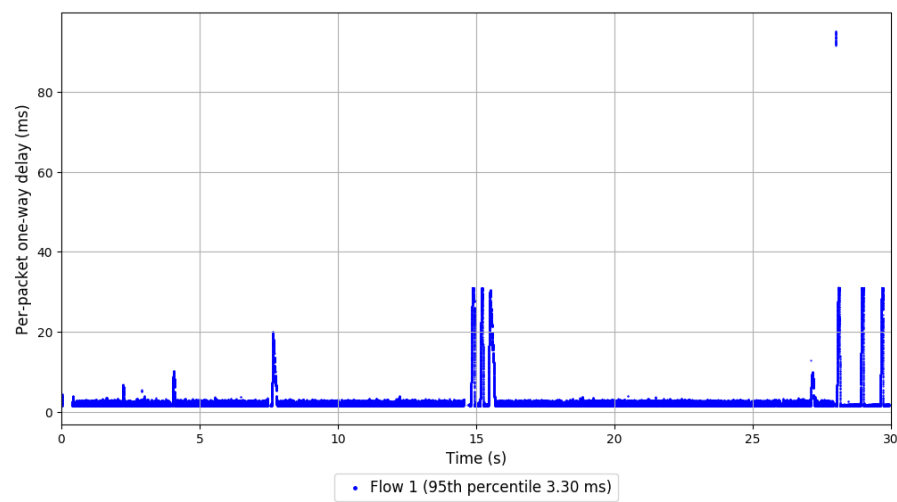
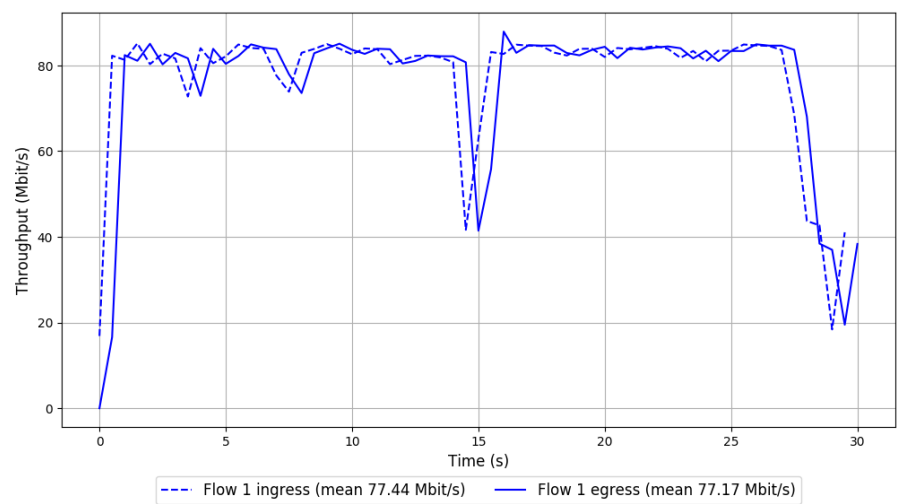
-- Flow 1:

Average throughput: 77.17 Mbit/s

95th percentile per-packet one-way delay: 3.297 ms

Loss rate: 0.34%

Run 5: Report of QUIC Cubic — Data Link

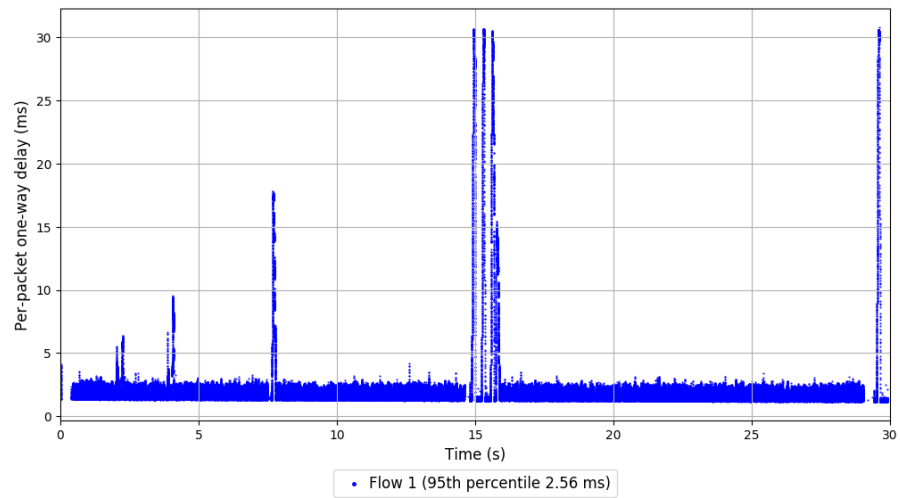
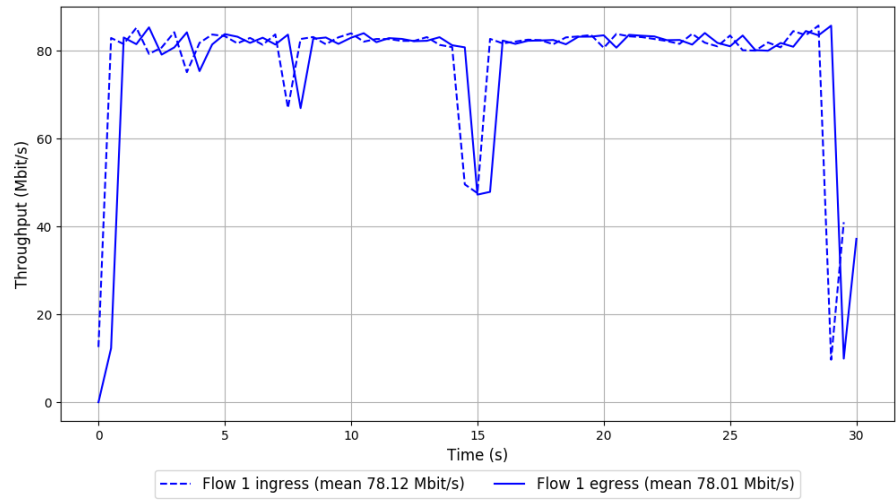


Run 6: Statistics of QUIC Cubic

Start at: 2018-08-21 20:38:37  
End at: 2018-08-21 20:39:07  
Local clock offset: -1.194 ms  
Remote clock offset: -2.262 ms

# Below is generated by plot.py at 2018-08-21 22:24:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.01 Mbit/s  
95th percentile per-packet one-way delay: 2.556 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 78.01 Mbit/s  
95th percentile per-packet one-way delay: 2.556 ms  
Loss rate: 0.13%

Run 6: Report of QUIC Cubic — Data Link

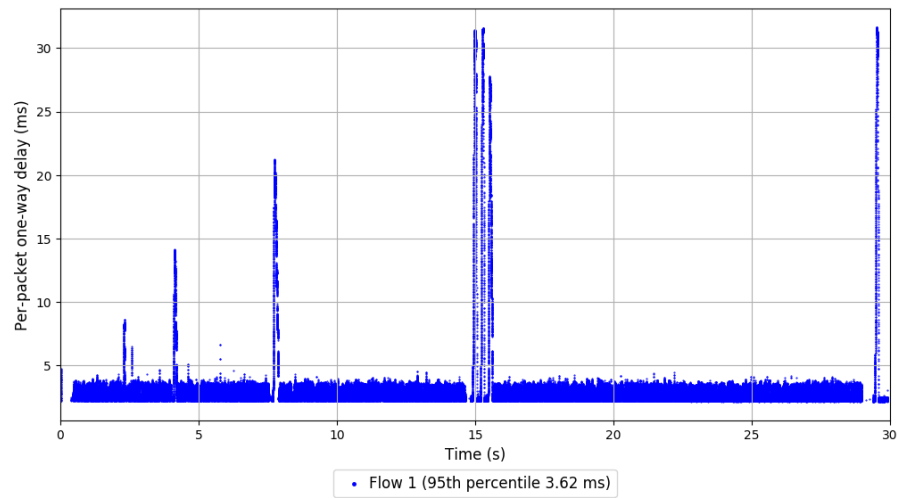
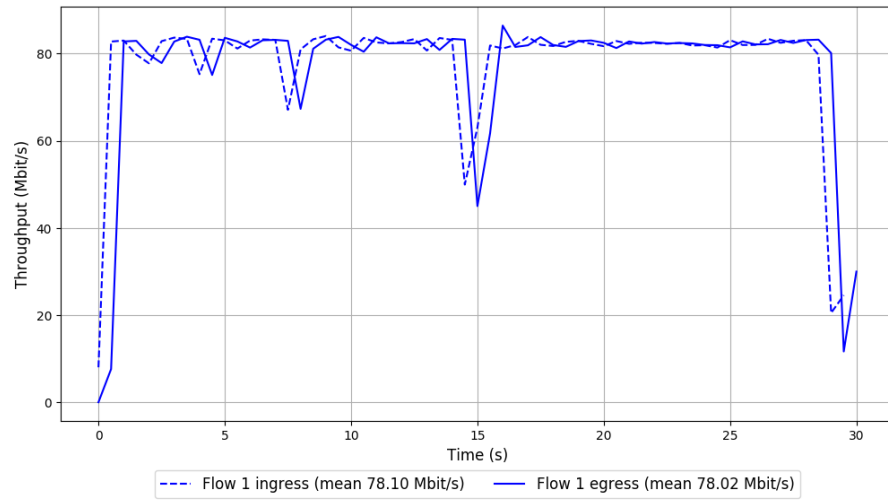


Run 7: Statistics of QUIC Cubic

Start at: 2018-08-21 20:57:35  
End at: 2018-08-21 20:58:05  
Local clock offset: -5.776 ms  
Remote clock offset: -2.576 ms

# Below is generated by plot.py at 2018-08-21 22:24:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.02 Mbit/s  
95th percentile per-packet one-way delay: 3.620 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 78.02 Mbit/s  
95th percentile per-packet one-way delay: 3.620 ms  
Loss rate: 0.11%

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



Run 8: Statistics of QUIC Cubic

Start at: 2018-08-21 21:16:34

End at: 2018-08-21 21:17:04

Local clock offset: -6.099 ms

Remote clock offset: 9.013 ms

# Below is generated by plot.py at 2018-08-21 22:24:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.15 Mbit/s

95th percentile per-packet one-way delay: 15.597 ms

Loss rate: 0.26%

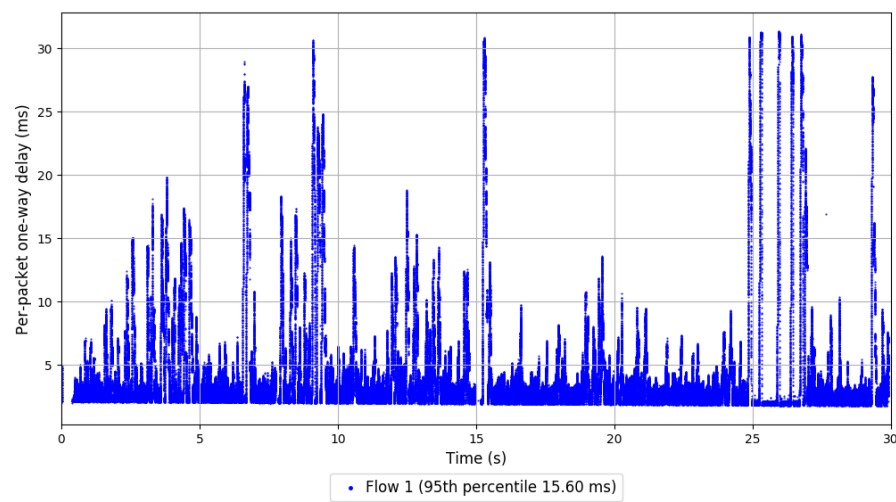
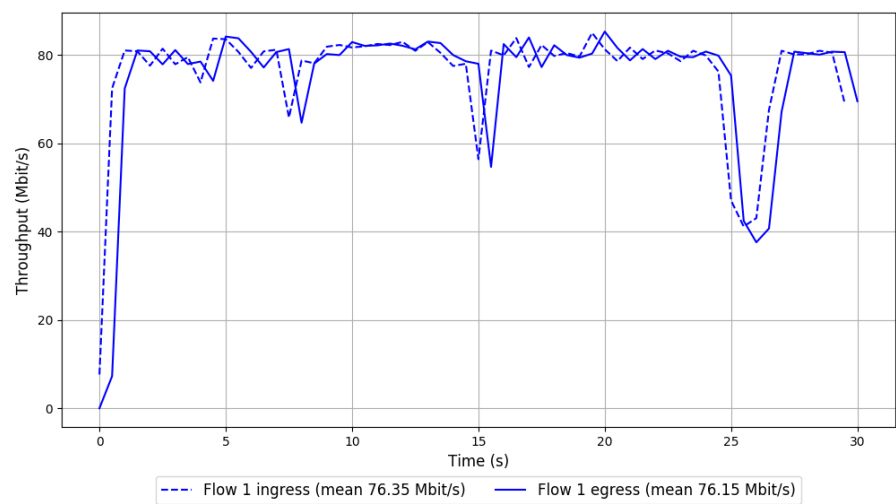
-- Flow 1:

Average throughput: 76.15 Mbit/s

95th percentile per-packet one-way delay: 15.597 ms

Loss rate: 0.26%

Run 8: Report of QUIC Cubic — Data Link

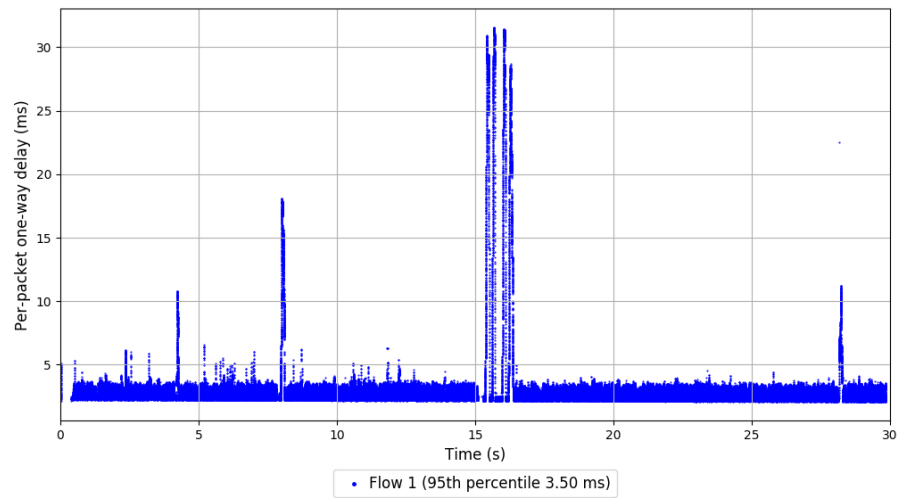
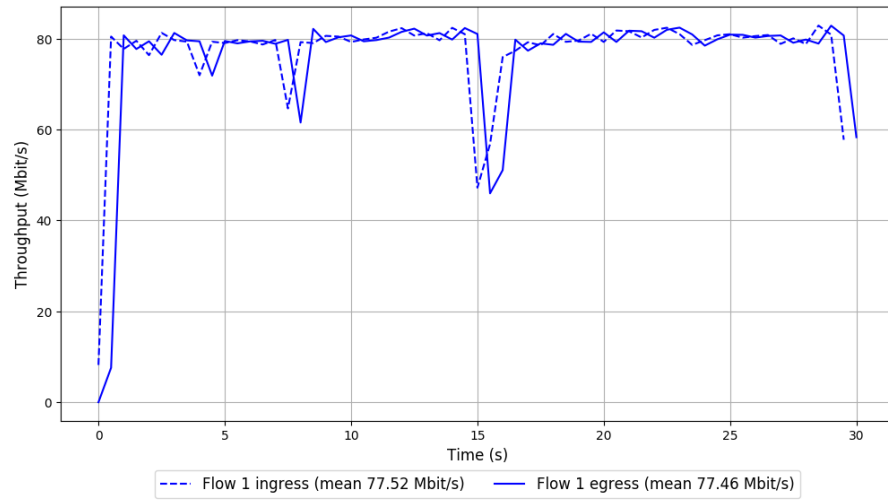


Run 9: Statistics of QUIC Cubic

Start at: 2018-08-21 21:35:31  
End at: 2018-08-21 21:36:01  
Local clock offset: -6.166 ms  
Remote clock offset: 17.411 ms

# Below is generated by plot.py at 2018-08-21 22:24:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.46 Mbit/s  
95th percentile per-packet one-way delay: 3.497 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 77.46 Mbit/s  
95th percentile per-packet one-way delay: 3.497 ms  
Loss rate: 0.07%

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

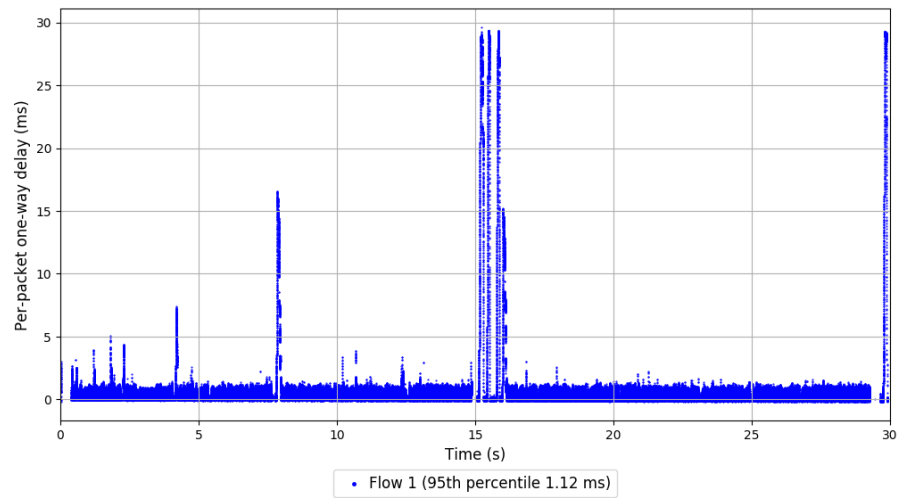
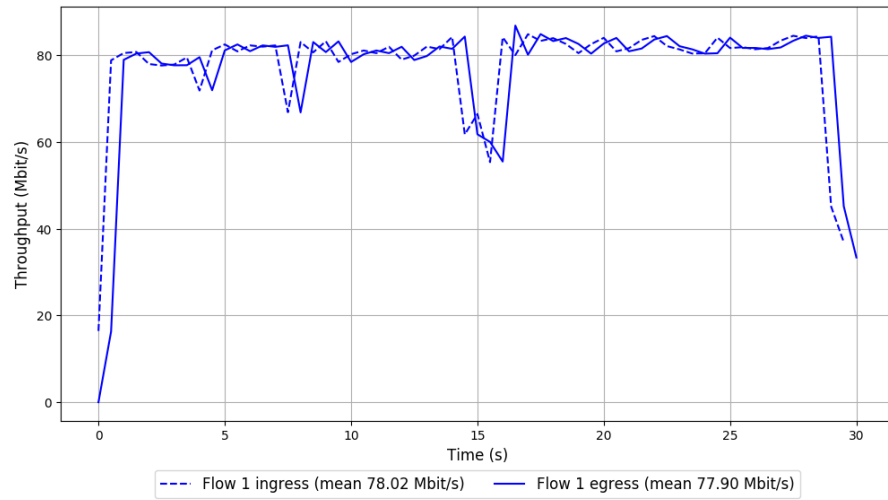


Run 10: Statistics of QUIC Cubic

Start at: 2018-08-21 21:54:31  
End at: 2018-08-21 21:55:01  
Local clock offset: -3.784 ms  
Remote clock offset: 22.892 ms

# Below is generated by plot.py at 2018-08-21 22:24:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.90 Mbit/s  
95th percentile per-packet one-way delay: 1.118 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 77.90 Mbit/s  
95th percentile per-packet one-way delay: 1.118 ms  
Loss rate: 0.15%

# Run 10: Report of QUIC Cubic — Data Link

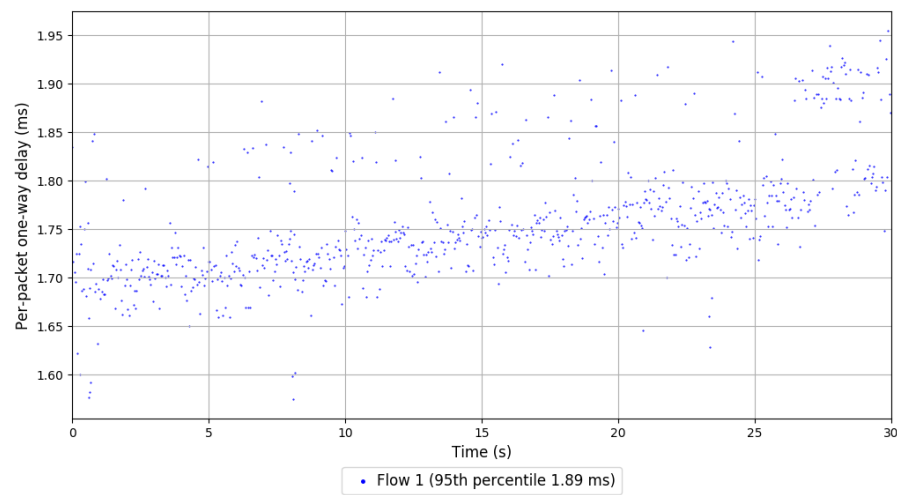
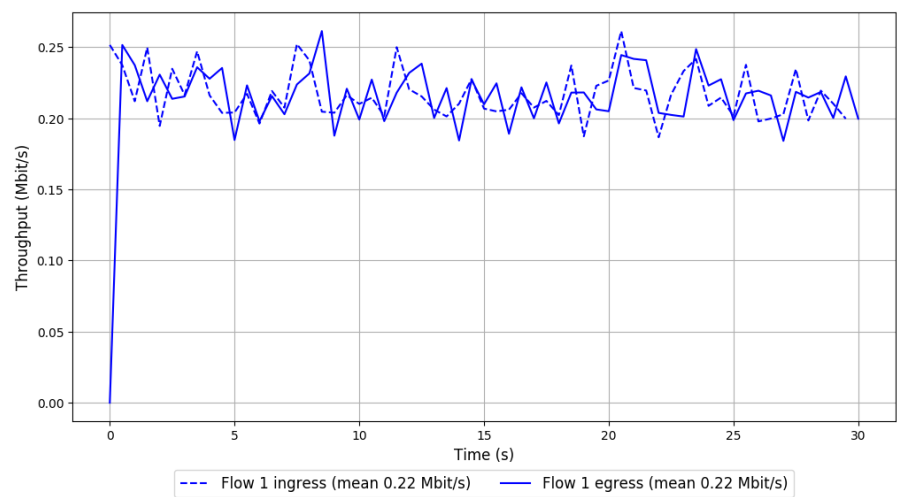


Run 1: Statistics of SCReAM

Start at: 2018-08-21 19:04:41  
End at: 2018-08-21 19:05:11  
Local clock offset: -0.467 ms  
Remote clock offset: -6.941 ms

# Below is generated by plot.py at 2018-08-21 22:24:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.894 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.894 ms  
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

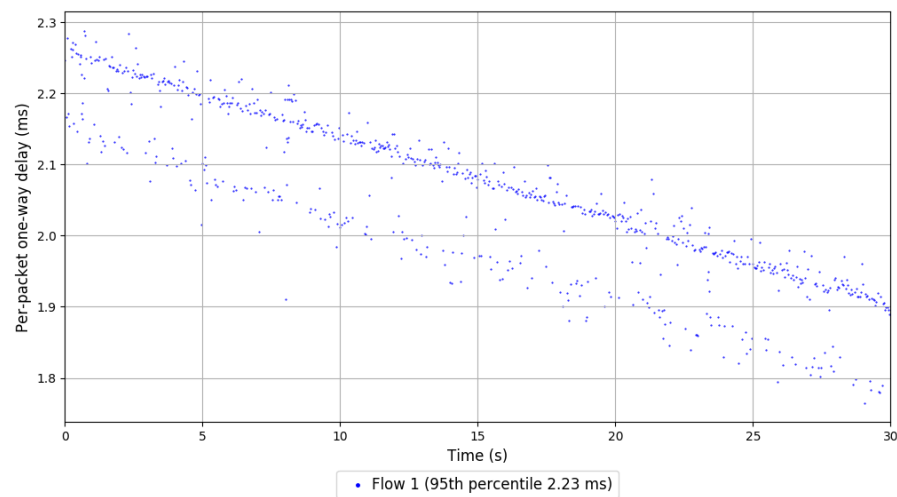
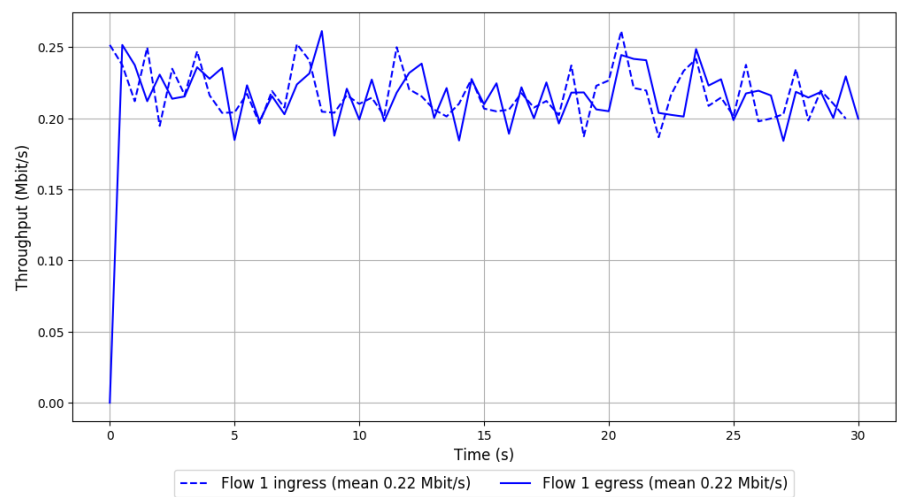


Run 2: Statistics of SCReAM

Start at: 2018-08-21 19:23:42  
End at: 2018-08-21 19:24:12  
Local clock offset: -3.991 ms  
Remote clock offset: -8.536 ms

# Below is generated by plot.py at 2018-08-21 22:24:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.232 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.232 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link

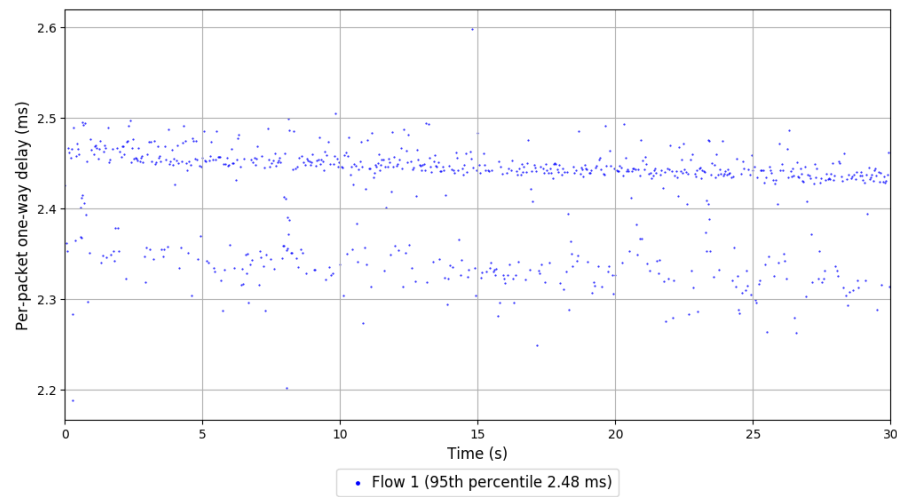
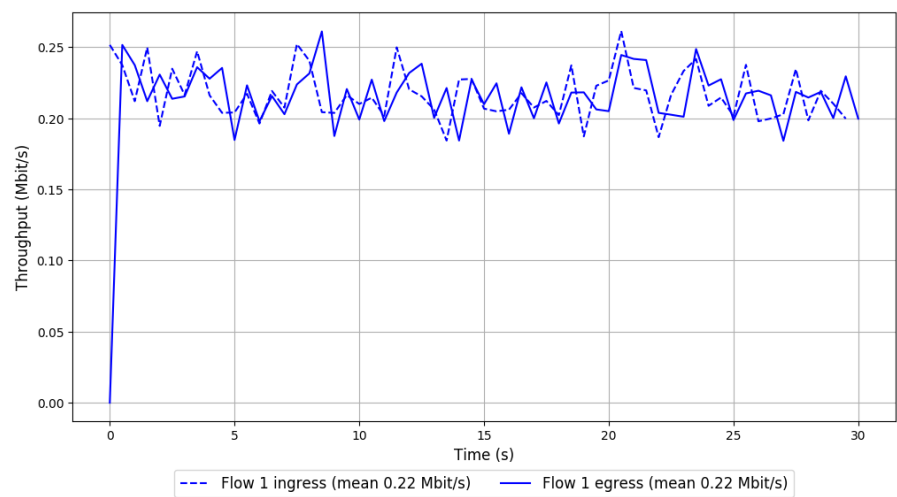


Run 3: Statistics of SCReAM

Start at: 2018-08-21 19:42:42  
End at: 2018-08-21 19:43:12  
Local clock offset: -4.01 ms  
Remote clock offset: -3.112 ms

# Below is generated by plot.py at 2018-08-21 22:24:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.475 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.475 ms  
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

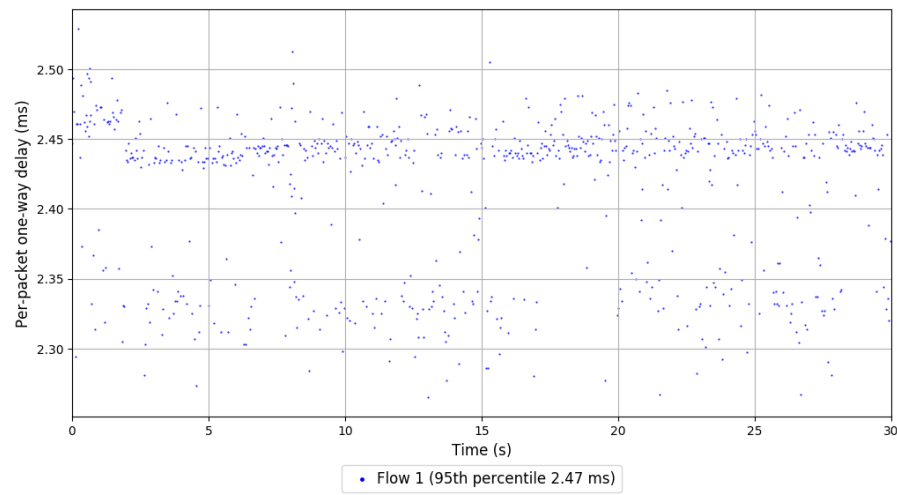
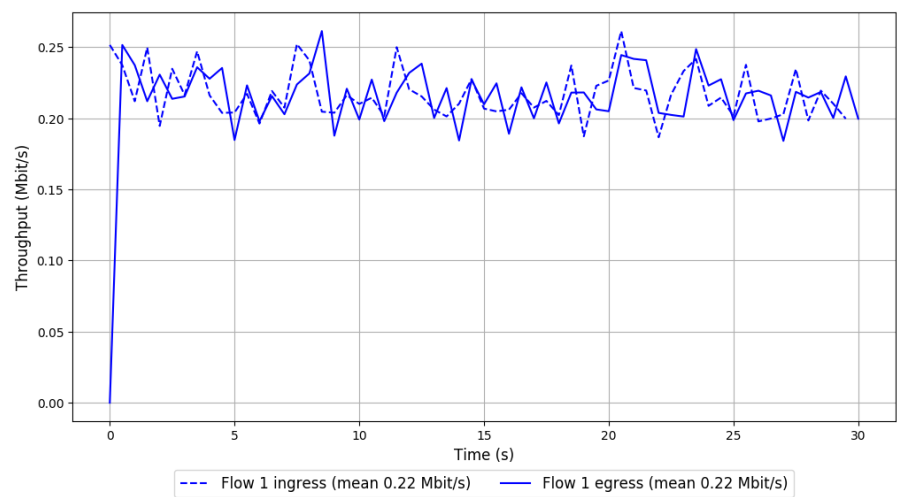


Run 4: Statistics of SCReAM

Start at: 2018-08-21 20:01:44  
End at: 2018-08-21 20:02:14  
Local clock offset: -3.225 ms  
Remote clock offset: -2.216 ms

# Below is generated by plot.py at 2018-08-21 22:24:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.473 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 2.473 ms  
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

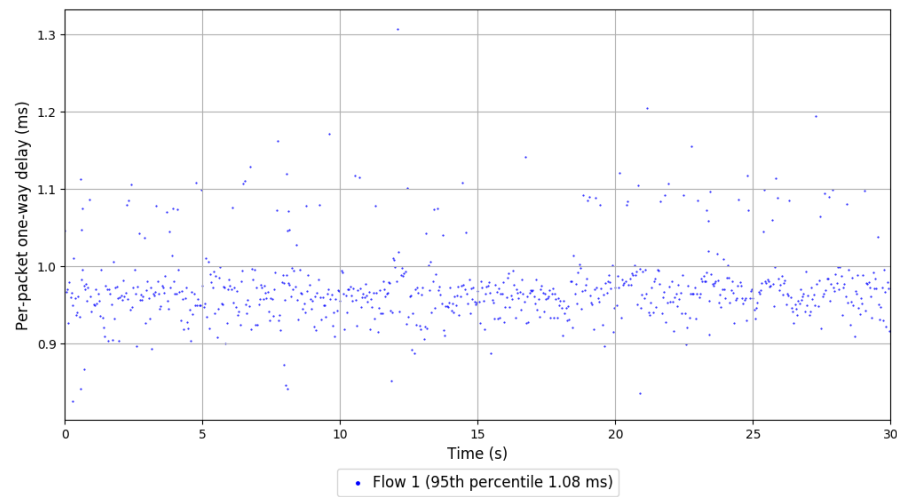
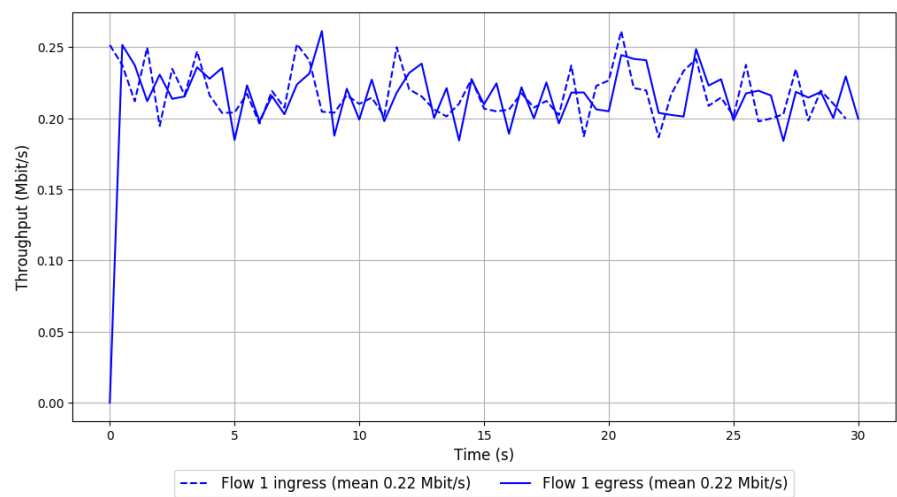


Run 5: Statistics of SCReAM

Start at: 2018-08-21 20:20:46  
End at: 2018-08-21 20:21:16  
Local clock offset: -2.105 ms  
Remote clock offset: -1.927 ms

# Below is generated by plot.py at 2018-08-21 22:24:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.085 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.085 ms  
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

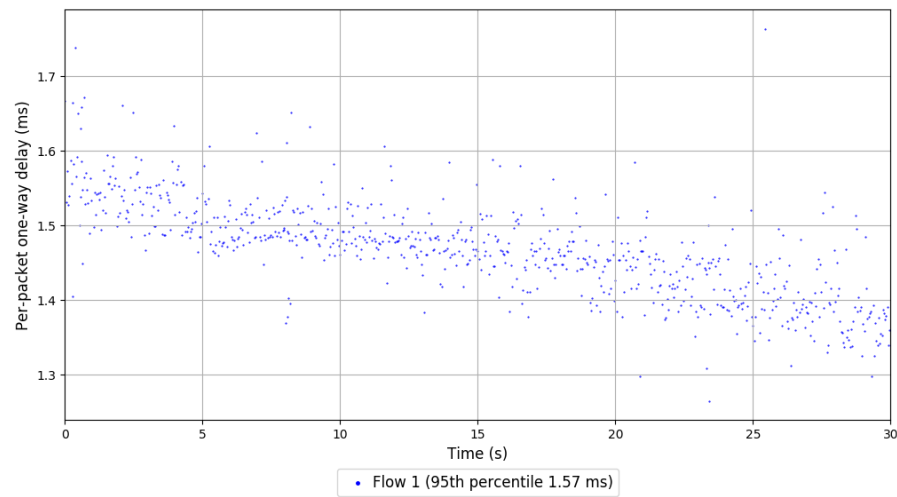
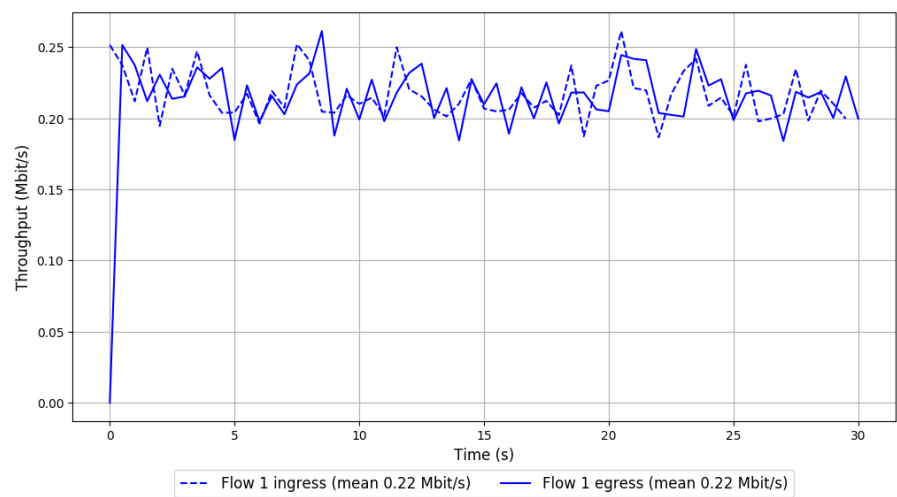


Run 6: Statistics of SCReAM

Start at: 2018-08-21 20:39:44  
End at: 2018-08-21 20:40:14  
Local clock offset: -3.288 ms  
Remote clock offset: -2.309 ms

# Below is generated by plot.py at 2018-08-21 22:24:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.574 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.574 ms  
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link

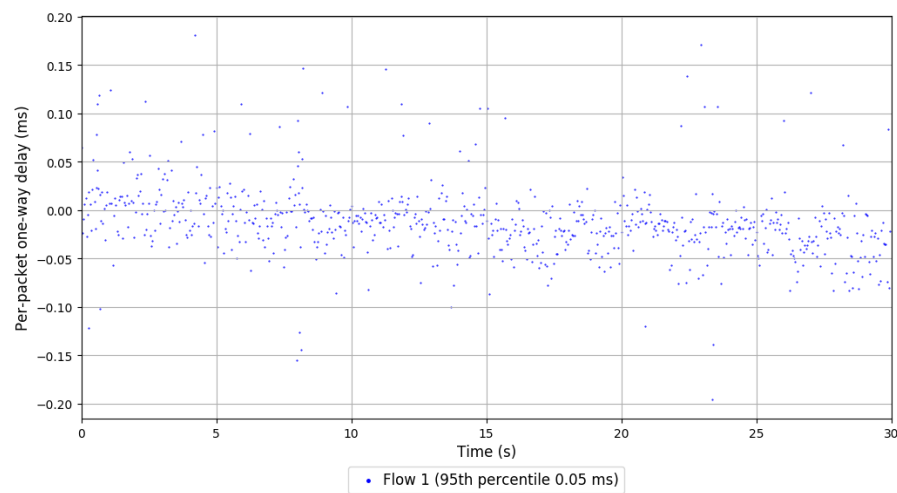
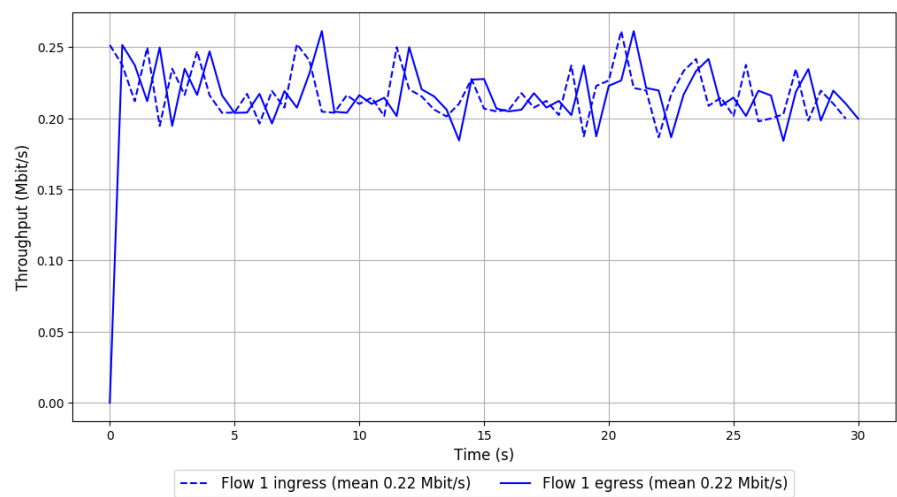


Run 7: Statistics of SCReAM

Start at: 2018-08-21 20:58:42  
End at: 2018-08-21 20:59:12  
Local clock offset: -5.075 ms  
Remote clock offset: -2.616 ms

# Below is generated by plot.py at 2018-08-21 22:24:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 0.053 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 0.053 ms  
Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-08-21 21:17:42

End at: 2018-08-21 21:18:12

Local clock offset: -6.044 ms

Remote clock offset: 9.763 ms

# Below is generated by plot.py at 2018-08-21 22:24:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.146 ms

Loss rate: 0.00%

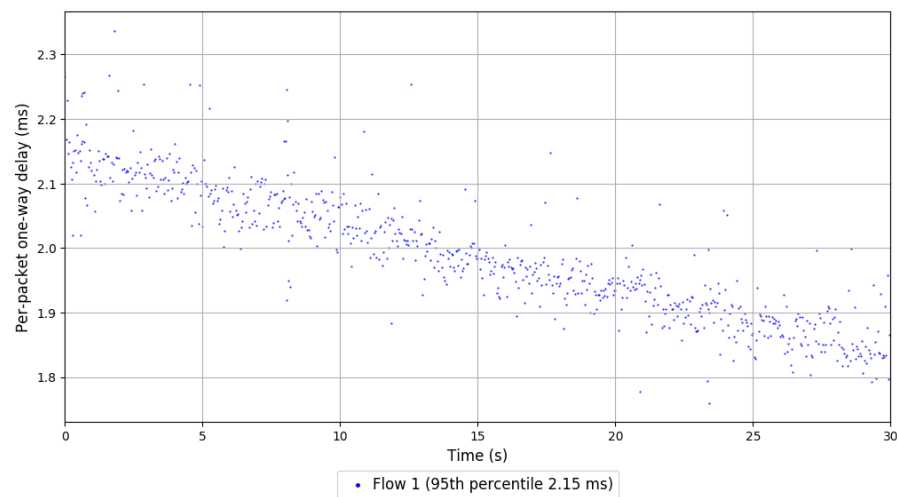
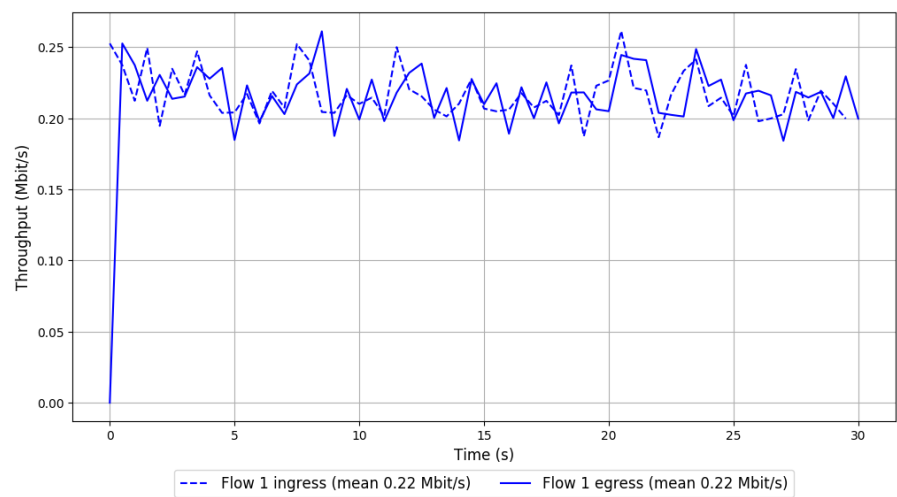
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.146 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

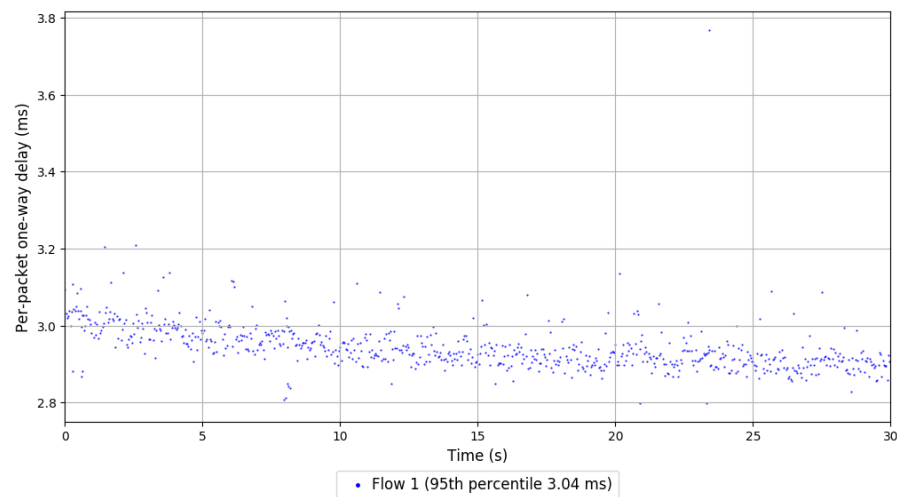
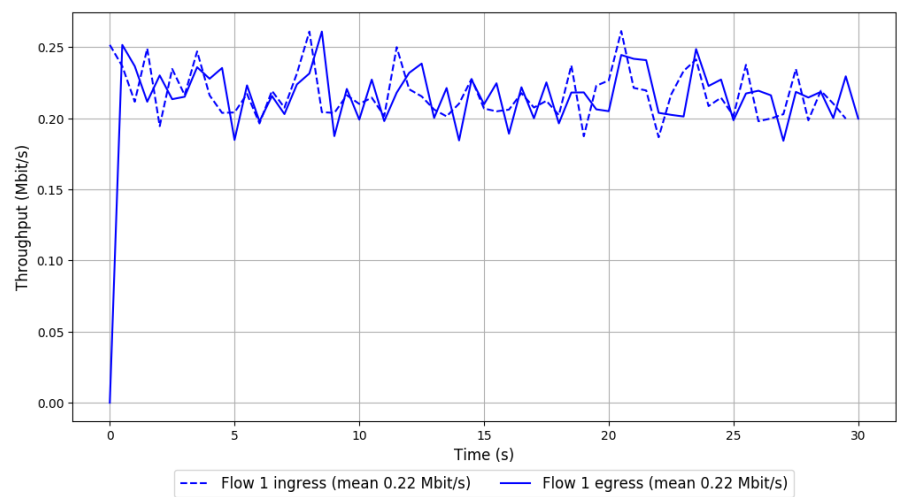


Run 9: Statistics of SCReAM

Start at: 2018-08-21 21:36:38  
End at: 2018-08-21 21:37:08  
Local clock offset: -7.021 ms  
Remote clock offset: 17.647 ms

# Below is generated by plot.py at 2018-08-21 22:24:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 3.038 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 3.038 ms  
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link

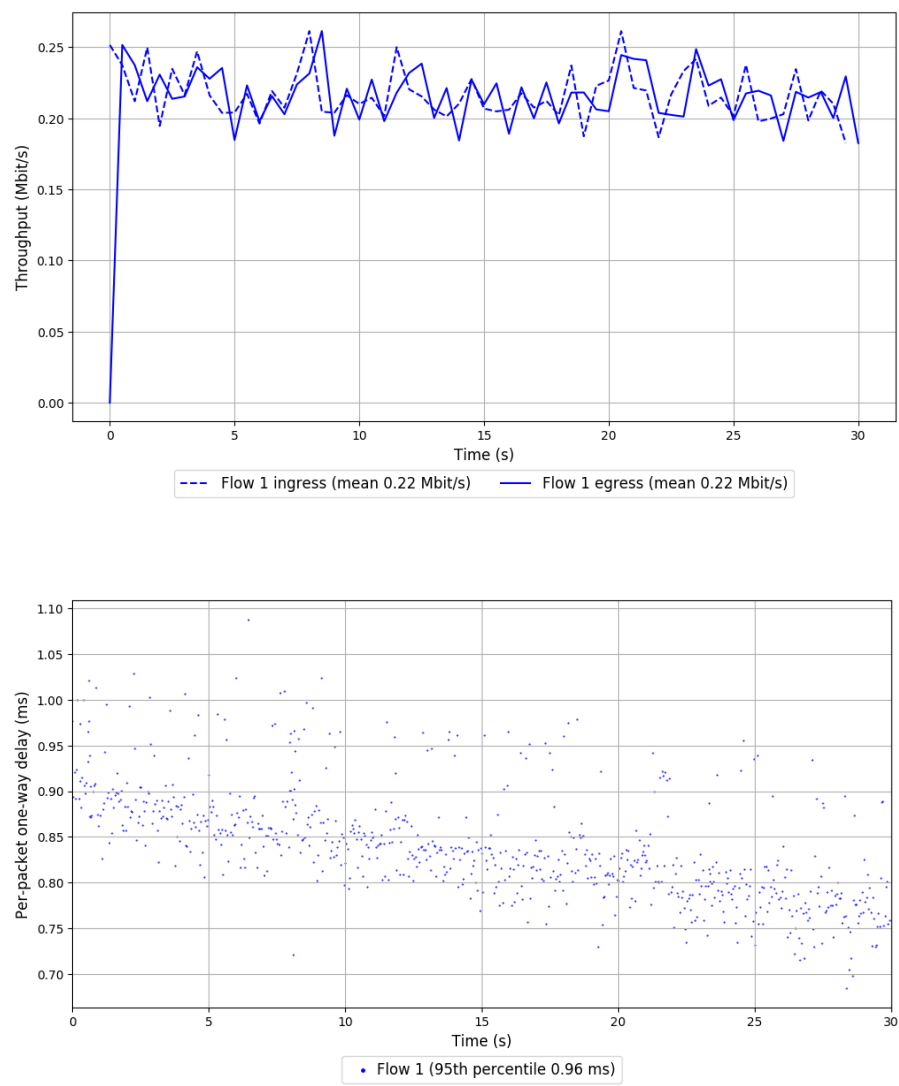


Run 10: Statistics of SCReAM

Start at: 2018-08-21 21:55:38  
End at: 2018-08-21 21:56:08  
Local clock offset: -4.573 ms  
Remote clock offset: 23.243 ms

# Below is generated by plot.py at 2018-08-21 22:24:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 0.961 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 0.961 ms  
Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2018-08-21 19:07:59

End at: 2018-08-21 19:08:29

Local clock offset: 0.135 ms

Remote clock offset: -7.299 ms

# Below is generated by plot.py at 2018-08-21 22:24:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.74 Mbit/s

95th percentile per-packet one-way delay: 8.516 ms

Loss rate: 0.00%

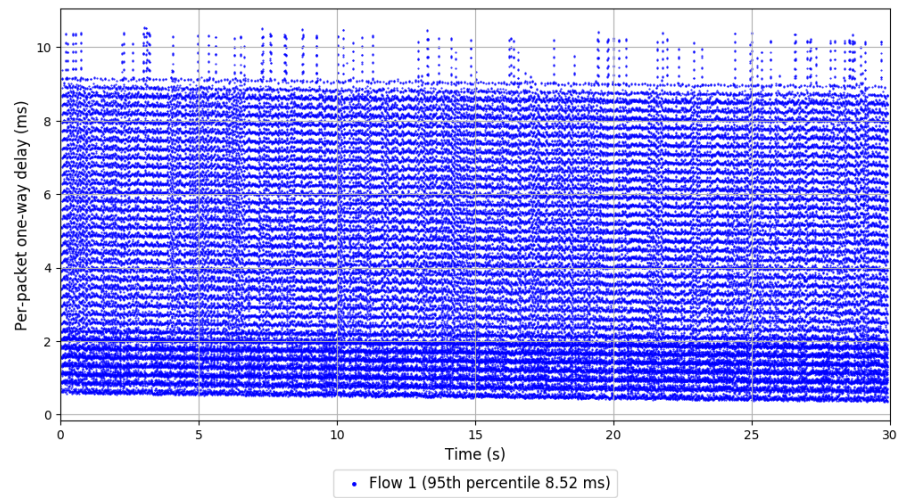
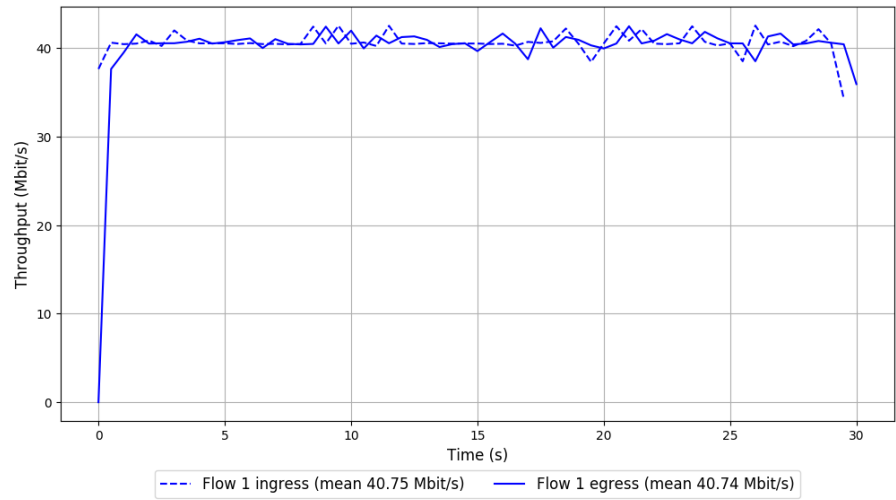
-- Flow 1:

Average throughput: 40.74 Mbit/s

95th percentile per-packet one-way delay: 8.516 ms

Loss rate: 0.00%

# Run 1: Report of Sprout — Data Link

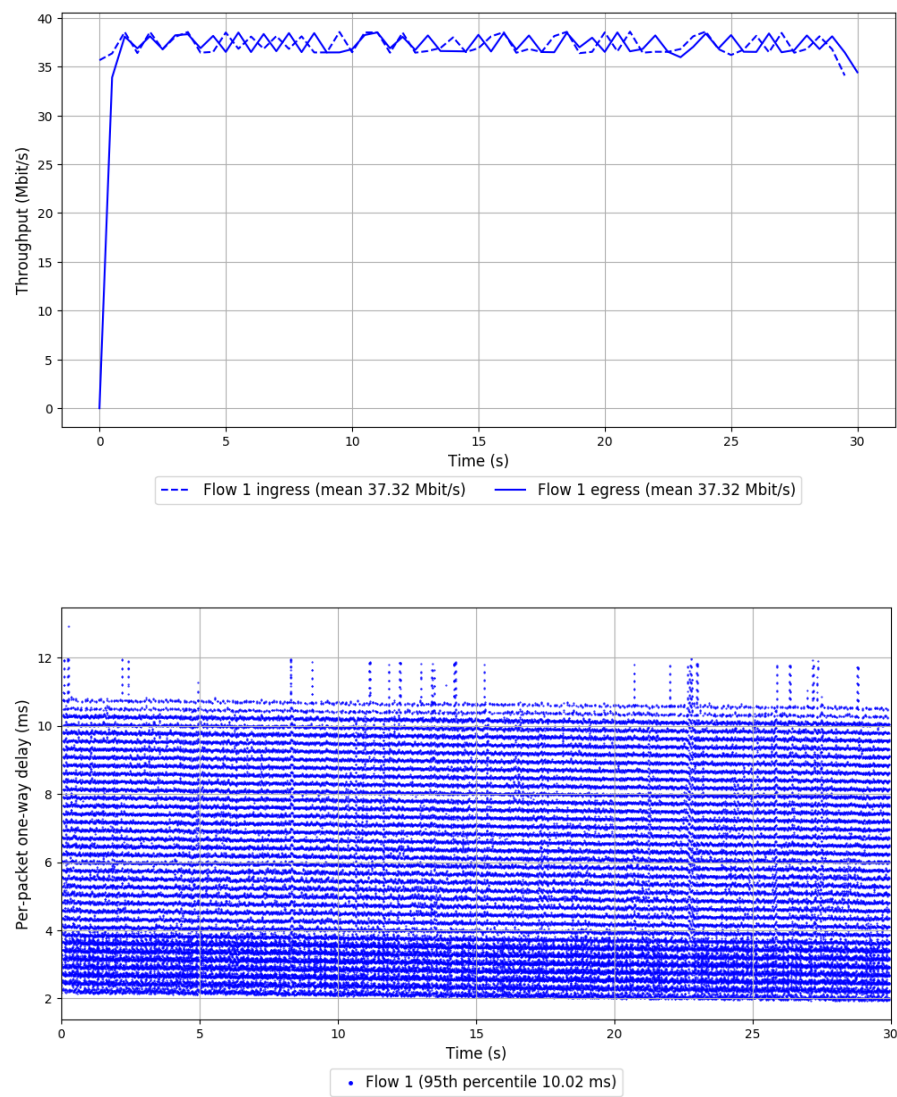


Run 2: Statistics of Sprout

Start at: 2018-08-21 19:27:00  
End at: 2018-08-21 19:27:30  
Local clock offset: -4.135 ms  
Remote clock offset: -6.618 ms

# Below is generated by plot.py at 2018-08-21 22:24:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 37.32 Mbit/s  
95th percentile per-packet one-way delay: 10.019 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 37.32 Mbit/s  
95th percentile per-packet one-way delay: 10.019 ms  
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link

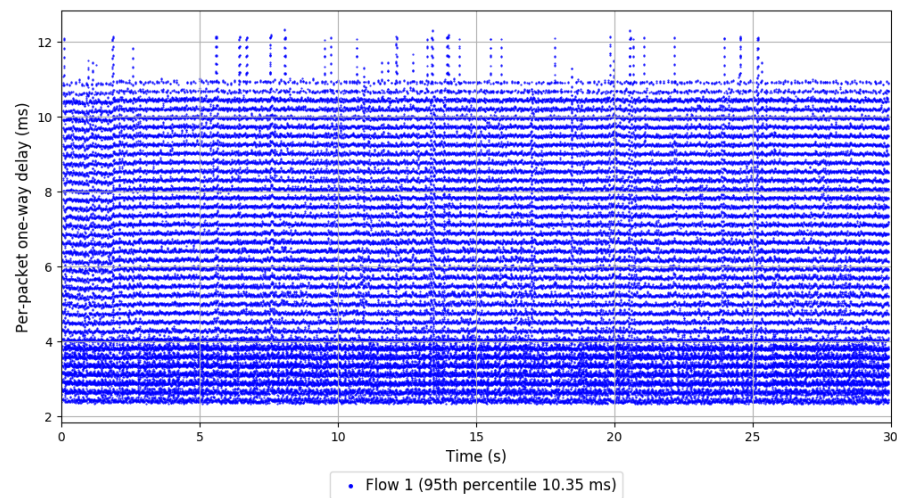
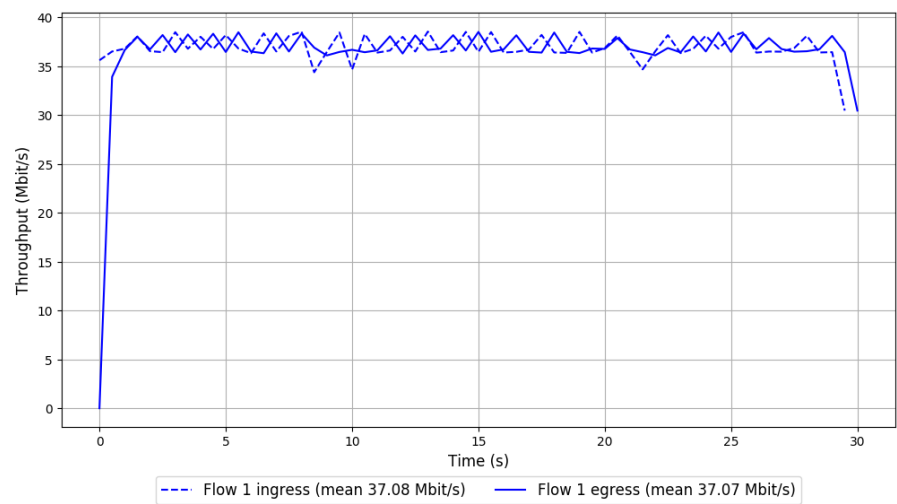


Run 3: Statistics of Sprout

Start at: 2018-08-21 19:46:01  
End at: 2018-08-21 19:46:31  
Local clock offset: -3.887 ms  
Remote clock offset: -2.799 ms

# Below is generated by plot.py at 2018-08-21 22:24:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 37.07 Mbit/s  
95th percentile per-packet one-way delay: 10.347 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 37.07 Mbit/s  
95th percentile per-packet one-way delay: 10.347 ms  
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

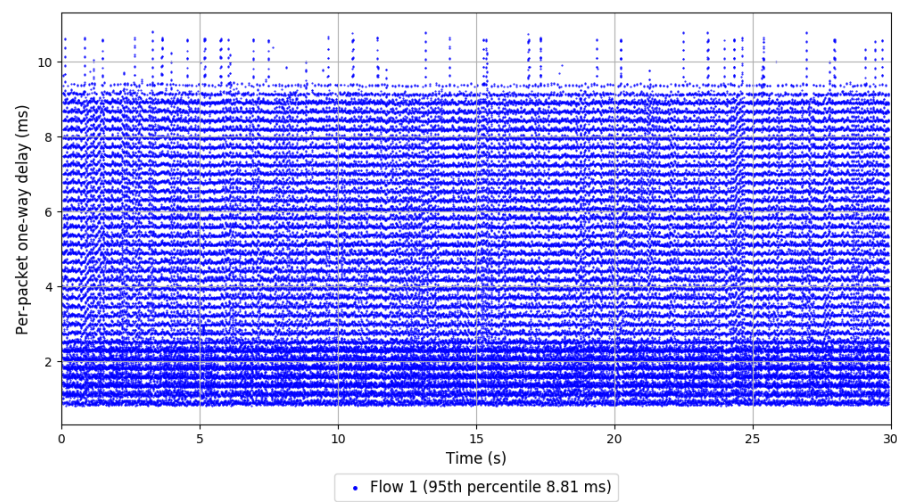
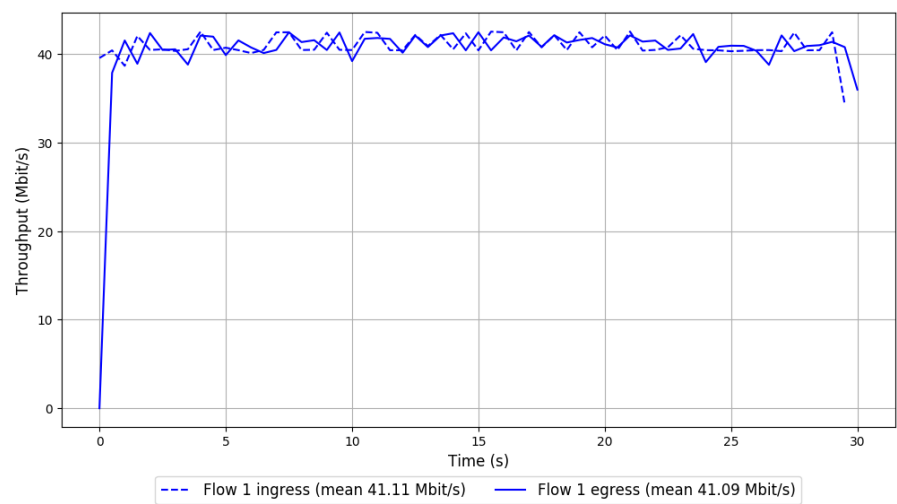


Run 4: Statistics of Sprout

Start at: 2018-08-21 20:05:02  
End at: 2018-08-21 20:05:32  
Local clock offset: -3.188 ms  
Remote clock offset: -2.225 ms

# Below is generated by plot.py at 2018-08-21 22:24:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 41.09 Mbit/s  
95th percentile per-packet one-way delay: 8.808 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 41.09 Mbit/s  
95th percentile per-packet one-way delay: 8.808 ms  
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

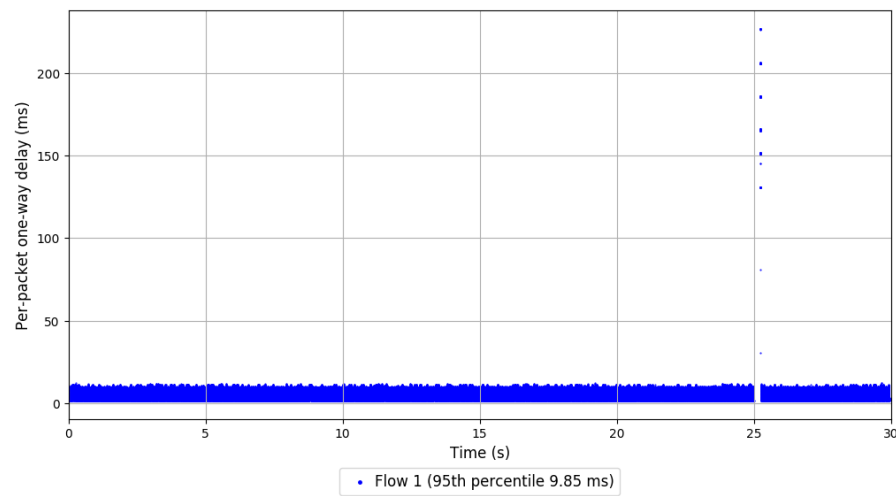
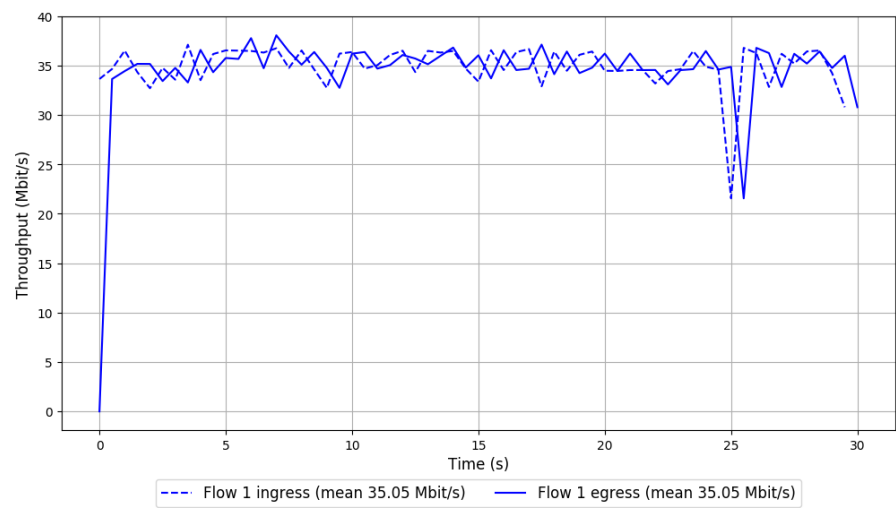


Run 5: Statistics of Sprout

Start at: 2018-08-21 20:24:05  
End at: 2018-08-21 20:24:35  
Local clock offset: -1.083 ms  
Remote clock offset: -1.859 ms

# Below is generated by plot.py at 2018-08-21 22:24:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 35.05 Mbit/s  
95th percentile per-packet one-way delay: 9.853 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 35.05 Mbit/s  
95th percentile per-packet one-way delay: 9.853 ms  
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link

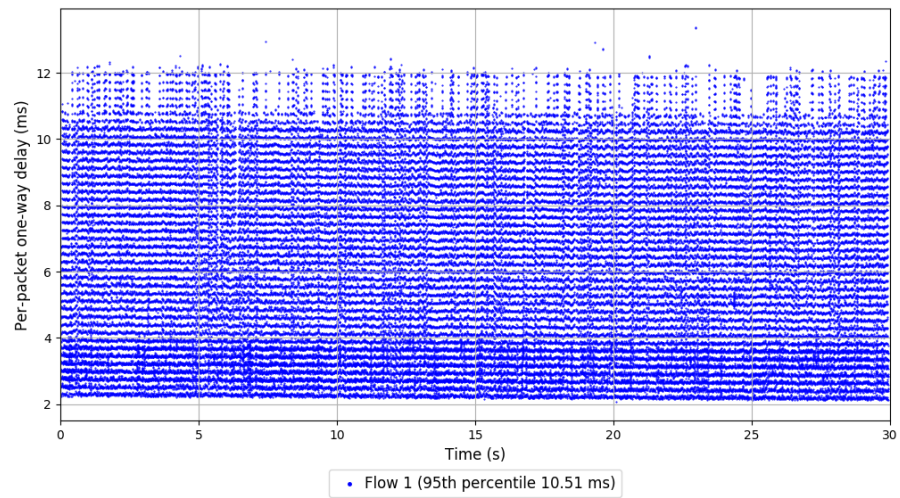
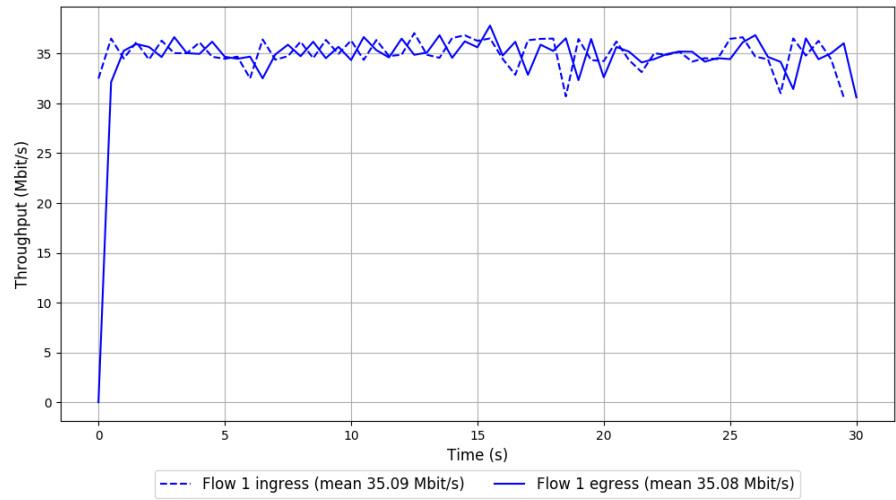


Run 6: Statistics of Sprout

Start at: 2018-08-21 20:43:03  
End at: 2018-08-21 20:43:33  
Local clock offset: -3.624 ms  
Remote clock offset: -2.4 ms

# Below is generated by plot.py at 2018-08-21 22:24:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 35.08 Mbit/s  
95th percentile per-packet one-way delay: 10.510 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 35.08 Mbit/s  
95th percentile per-packet one-way delay: 10.510 ms  
Loss rate: 0.00%

## Run 6: Report of Sprout — Data Link

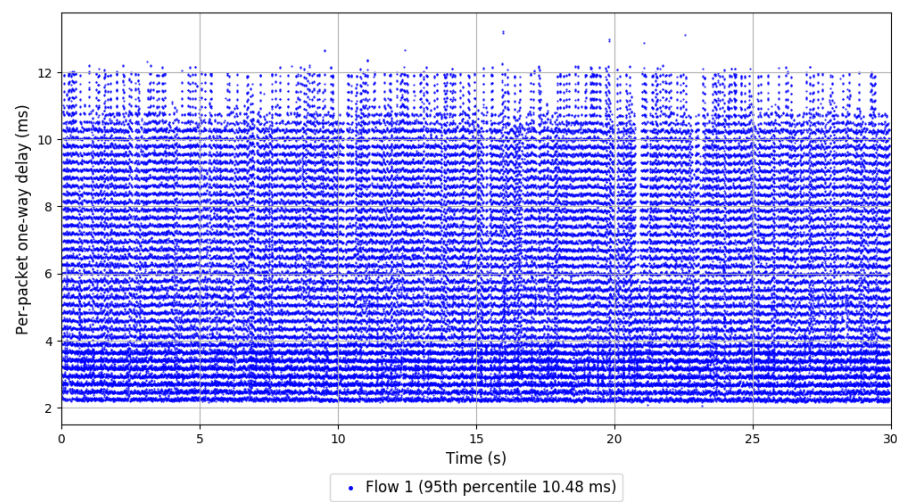
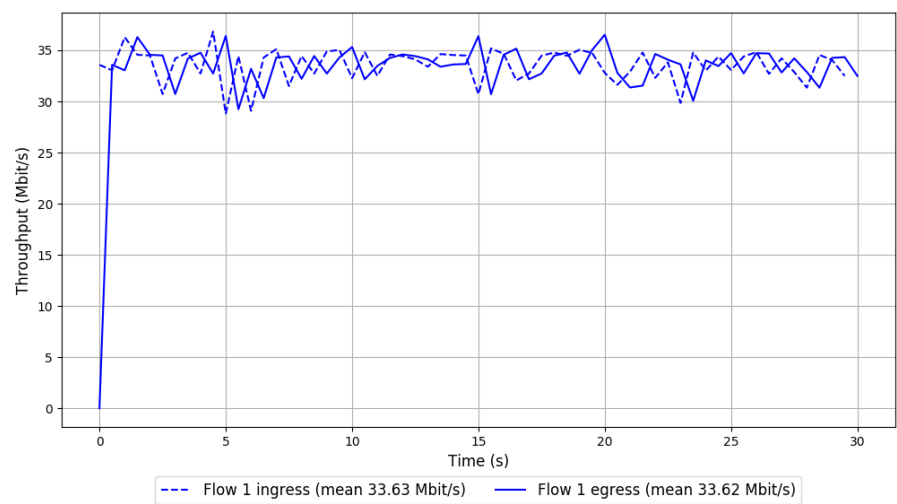


Run 7: Statistics of Sprout

Start at: 2018-08-21 21:02:02  
End at: 2018-08-21 21:02:32  
Local clock offset: -6.036 ms  
Remote clock offset: -2.619 ms

# Below is generated by plot.py at 2018-08-21 22:24:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 33.62 Mbit/s  
95th percentile per-packet one-way delay: 10.484 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 33.62 Mbit/s  
95th percentile per-packet one-way delay: 10.484 ms  
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

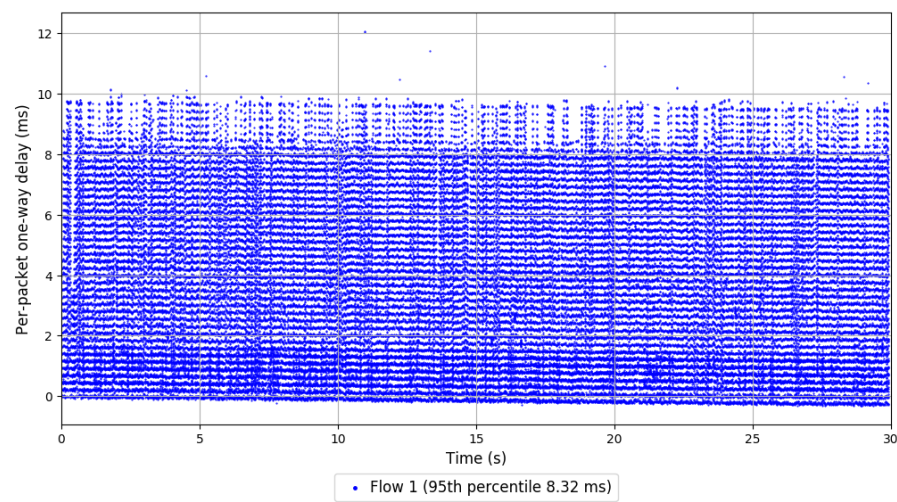
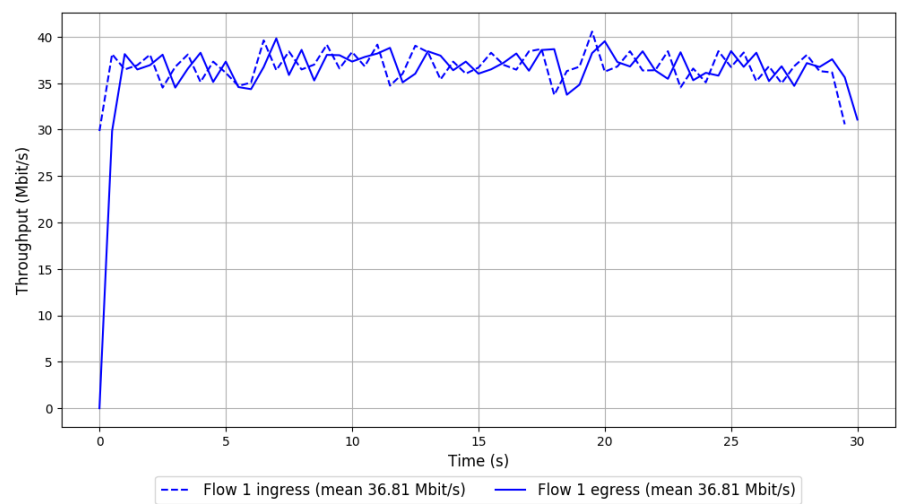


Run 8: Statistics of Sprout

Start at: 2018-08-21 21:21:01  
End at: 2018-08-21 21:21:31  
Local clock offset: -5.269 ms  
Remote clock offset: 11.713 ms

# Below is generated by plot.py at 2018-08-21 22:24:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 36.81 Mbit/s  
95th percentile per-packet one-way delay: 8.319 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 36.81 Mbit/s  
95th percentile per-packet one-way delay: 8.319 ms  
Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

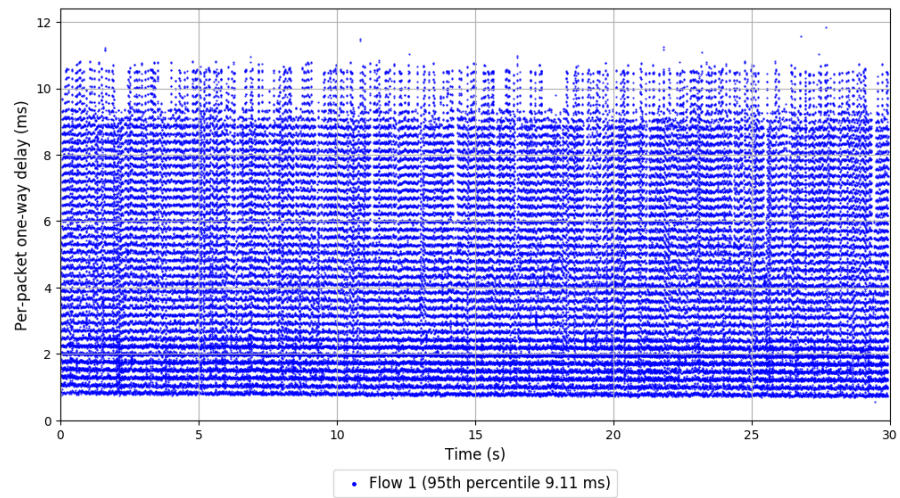
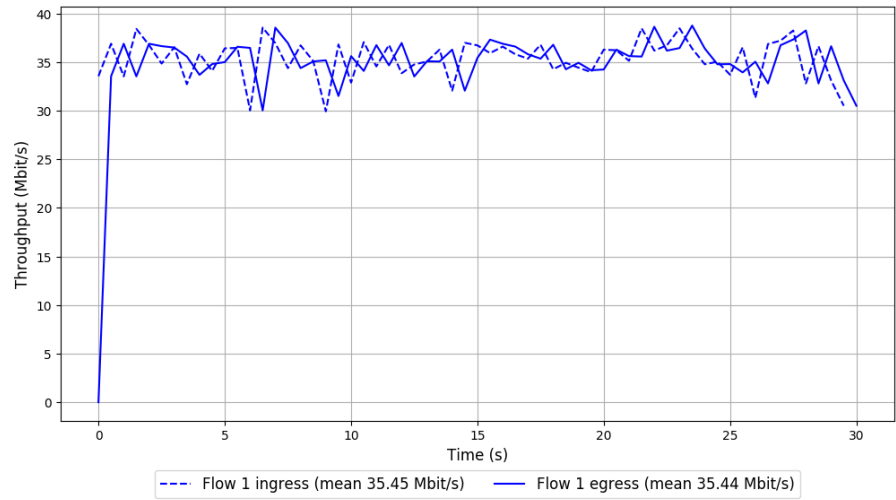


Run 9: Statistics of Sprout

Start at: 2018-08-21 21:39:58  
End at: 2018-08-21 21:40:29  
Local clock offset: -5.698 ms  
Remote clock offset: 18.722 ms

# Below is generated by plot.py at 2018-08-21 22:24:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 35.44 Mbit/s  
95th percentile per-packet one-way delay: 9.112 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 35.44 Mbit/s  
95th percentile per-packet one-way delay: 9.112 ms  
Loss rate: 0.00%

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



Run 10: Statistics of Sprout

Start at: 2018-08-21 21:58:56

End at: 2018-08-21 21:59:26

Local clock offset: -4.47 ms

Remote clock offset: 24.207 ms

# Below is generated by plot.py at 2018-08-21 22:24:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 35.75 Mbit/s

95th percentile per-packet one-way delay: 10.494 ms

Loss rate: 0.00%

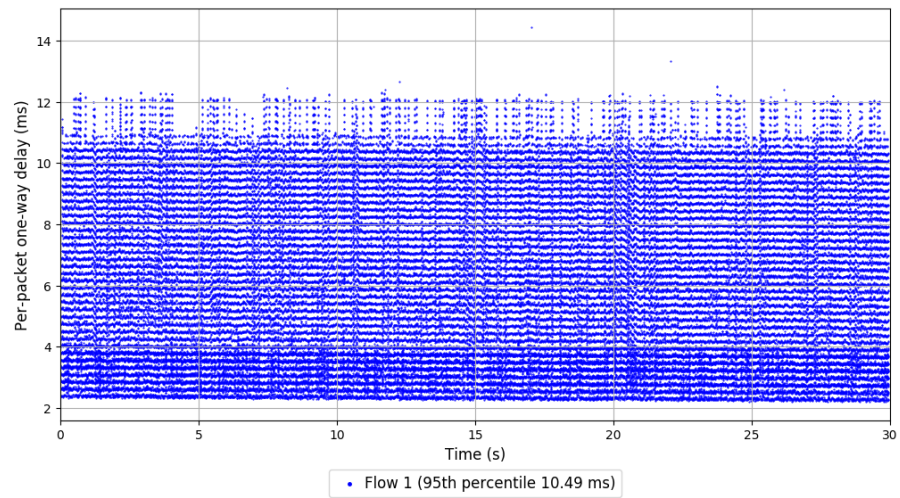
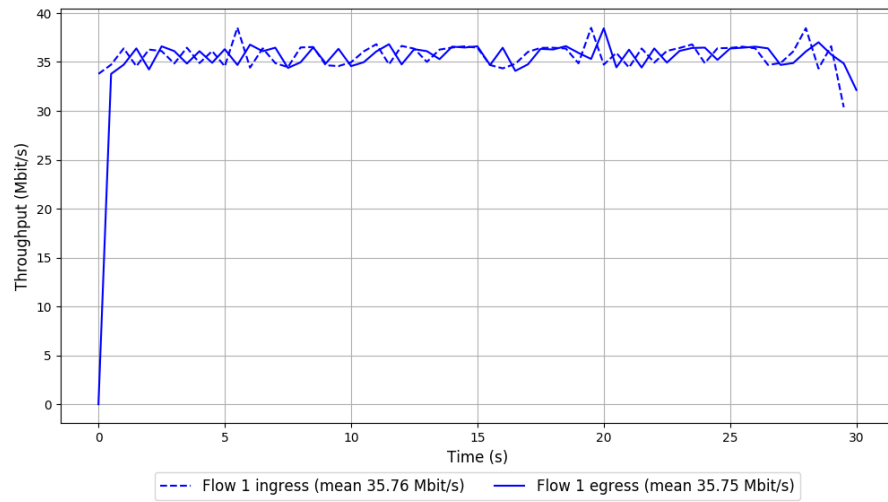
-- Flow 1:

Average throughput: 35.75 Mbit/s

95th percentile per-packet one-way delay: 10.494 ms

Loss rate: 0.00%

# Run 10: Report of Sprout — Data Link

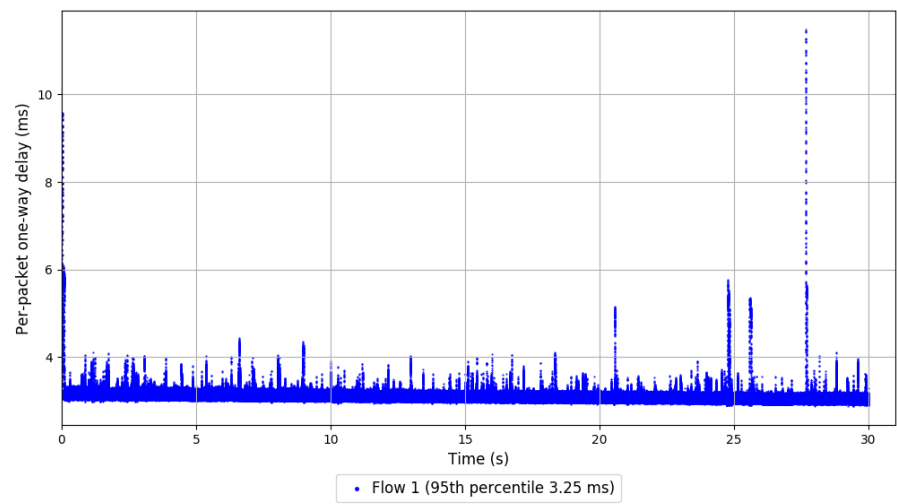
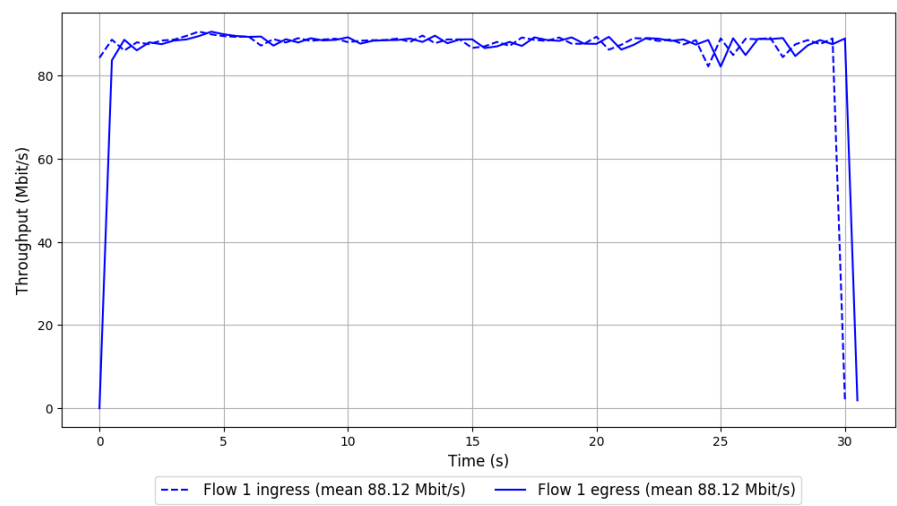


Run 1: Statistics of TaoVA-100x

Start at: 2018-08-21 19:12:26  
End at: 2018-08-21 19:12:57  
Local clock offset: -2.796 ms  
Remote clock offset: -7.759 ms

# Below is generated by plot.py at 2018-08-21 22:26:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.12 Mbit/s  
95th percentile per-packet one-way delay: 3.246 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 88.12 Mbit/s  
95th percentile per-packet one-way delay: 3.246 ms  
Loss rate: 0.00%

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

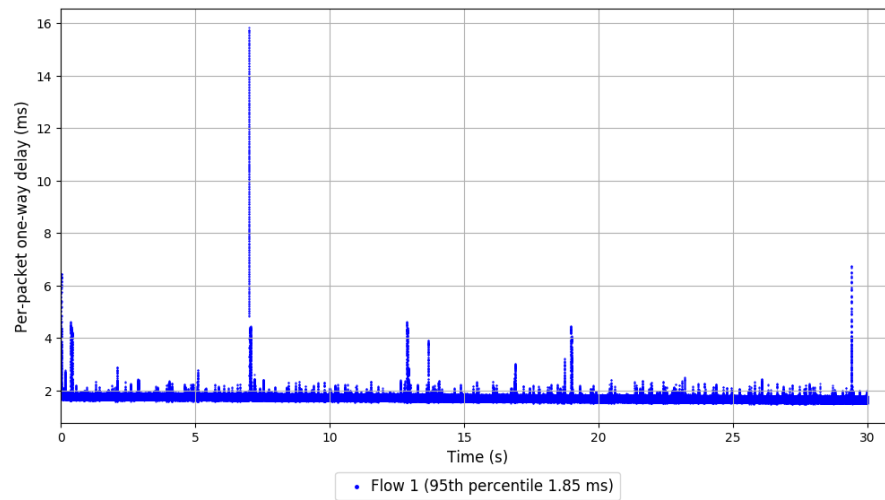
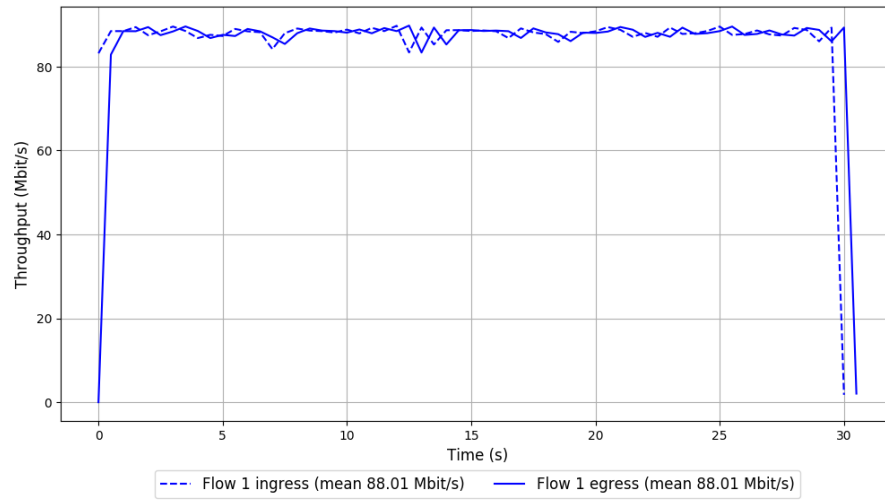


Run 2: Statistics of TaoVA-100x

Start at: 2018-08-21 19:31:27  
End at: 2018-08-21 19:31:57  
Local clock offset: -5.073 ms  
Remote clock offset: -4.926 ms

# Below is generated by plot.py at 2018-08-21 22:26:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.01 Mbit/s  
95th percentile per-packet one-way delay: 1.854 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 88.01 Mbit/s  
95th percentile per-packet one-way delay: 1.854 ms  
Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-08-21 19:50:28

End at: 2018-08-21 19:50:58

Local clock offset: -4.407 ms

Remote clock offset: -2.519 ms

# Below is generated by plot.py at 2018-08-21 22:26:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.48 Mbit/s

95th percentile per-packet one-way delay: 3.372 ms

Loss rate: 0.00%

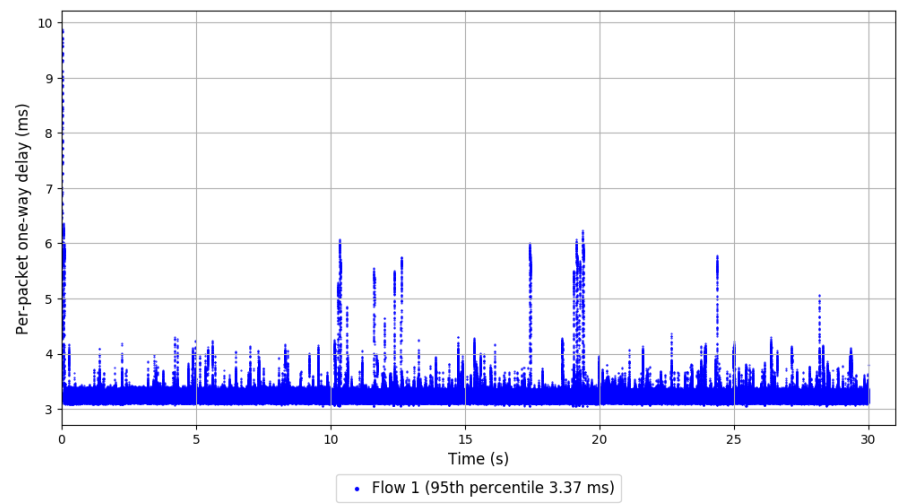
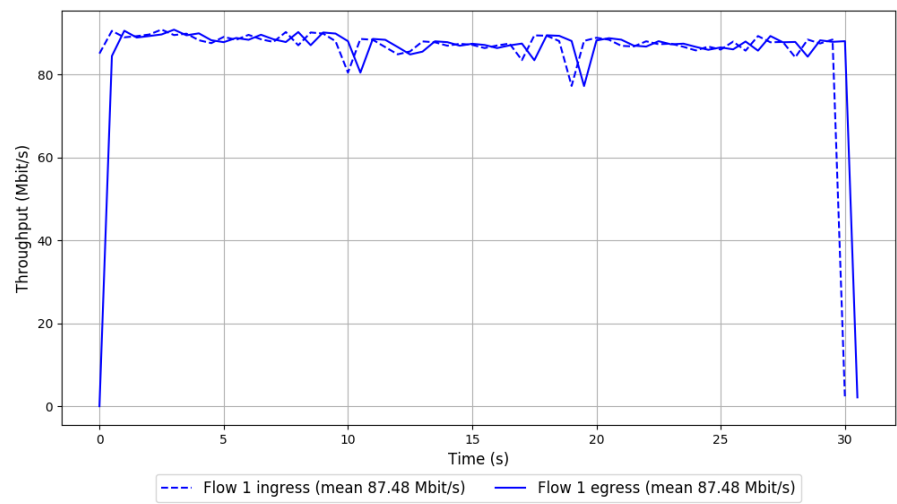
-- Flow 1:

Average throughput: 87.48 Mbit/s

95th percentile per-packet one-way delay: 3.372 ms

Loss rate: 0.00%

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

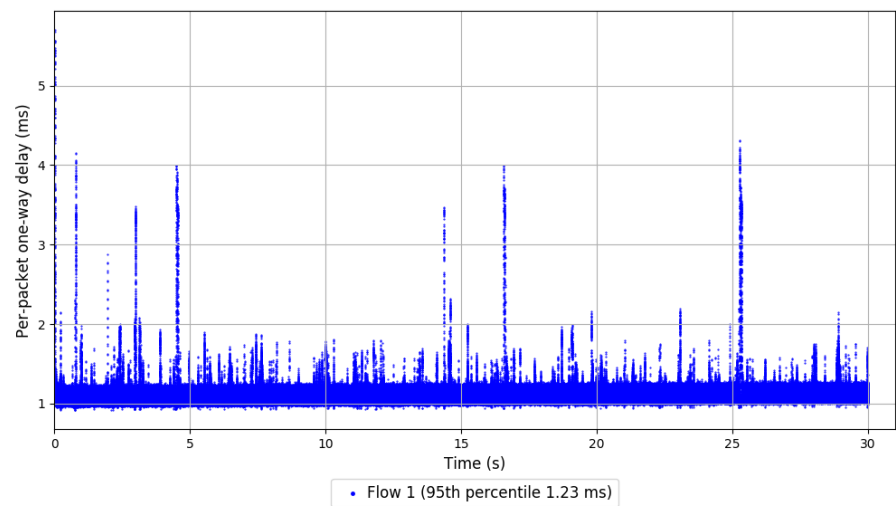
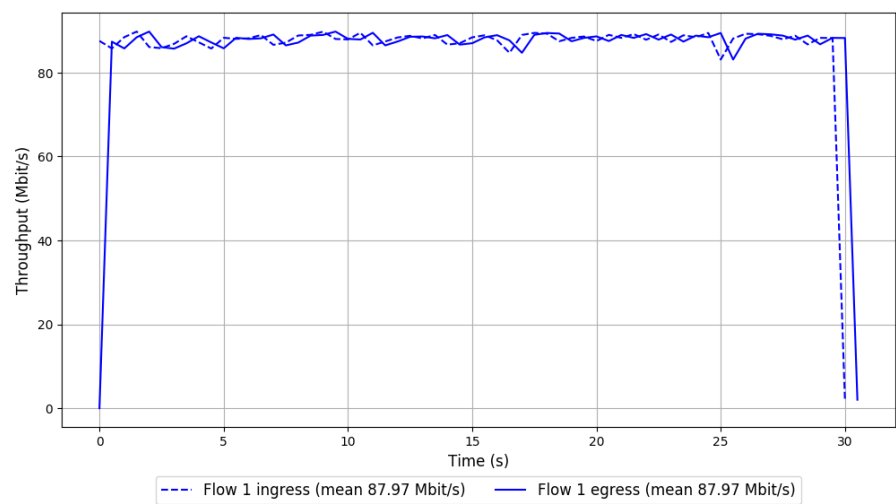


Run 4: Statistics of TaoVA-100x

Start at: 2018-08-21 20:09:30  
End at: 2018-08-21 20:10:00  
Local clock offset: -2.891 ms  
Remote clock offset: -2.098 ms

# Below is generated by plot.py at 2018-08-21 22:26:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.97 Mbit/s  
95th percentile per-packet one-way delay: 1.228 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 87.97 Mbit/s  
95th percentile per-packet one-way delay: 1.228 ms  
Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-08-21 20:28:34

End at: 2018-08-21 20:29:04

Local clock offset: -1.648 ms

Remote clock offset: -1.832 ms

# Below is generated by plot.py at 2018-08-21 22:26:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 64.88 Mbit/s

95th percentile per-packet one-way delay: 4.420 ms

Loss rate: 0.00%

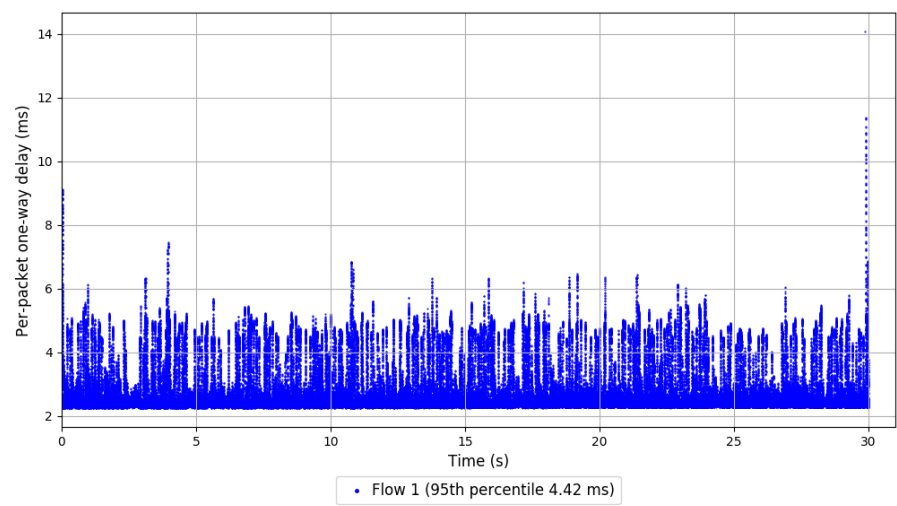
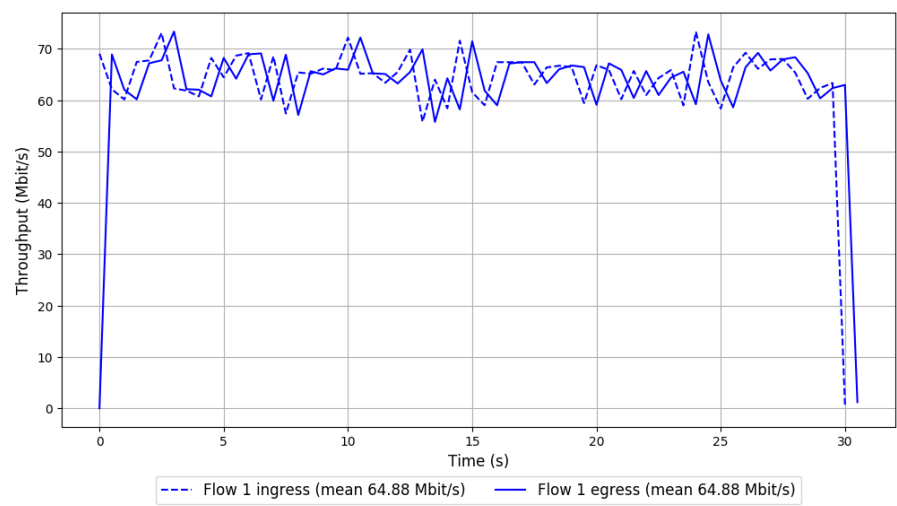
-- Flow 1:

Average throughput: 64.88 Mbit/s

95th percentile per-packet one-way delay: 4.420 ms

Loss rate: 0.00%

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



Run 6: Statistics of TaoVA-100x

Start at: 2018-08-21 20:47:32

End at: 2018-08-21 20:48:02

Local clock offset: -4.608 ms

Remote clock offset: -2.519 ms

# Below is generated by plot.py at 2018-08-21 22:26:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 56.80 Mbit/s

95th percentile per-packet one-way delay: 4.594 ms

Loss rate: 0.00%

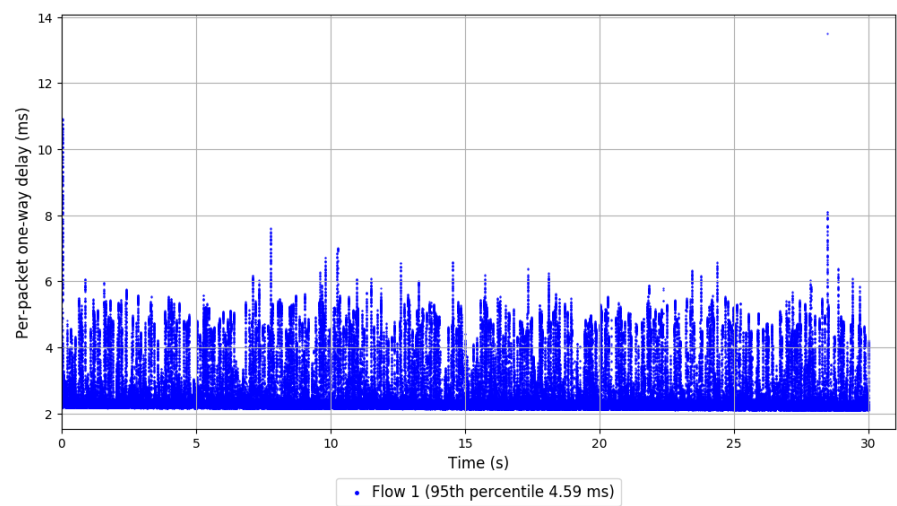
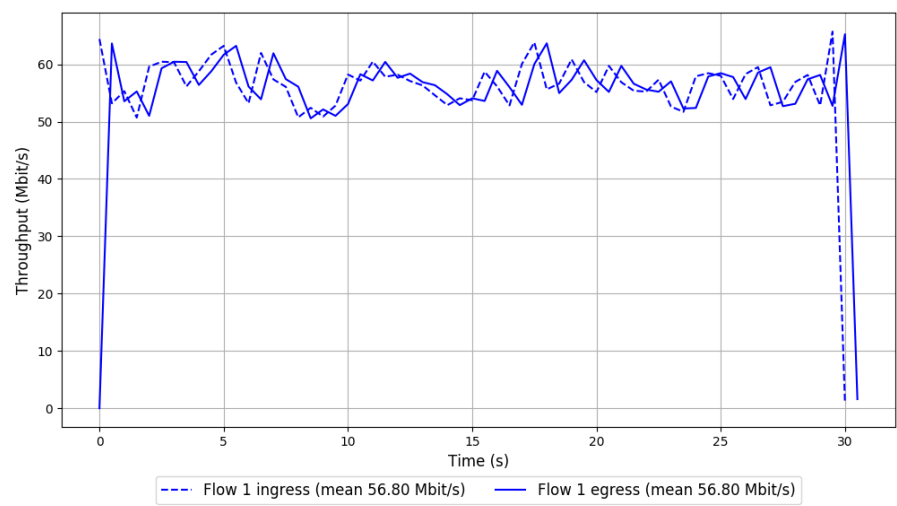
-- Flow 1:

Average throughput: 56.80 Mbit/s

95th percentile per-packet one-way delay: 4.594 ms

Loss rate: 0.00%

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

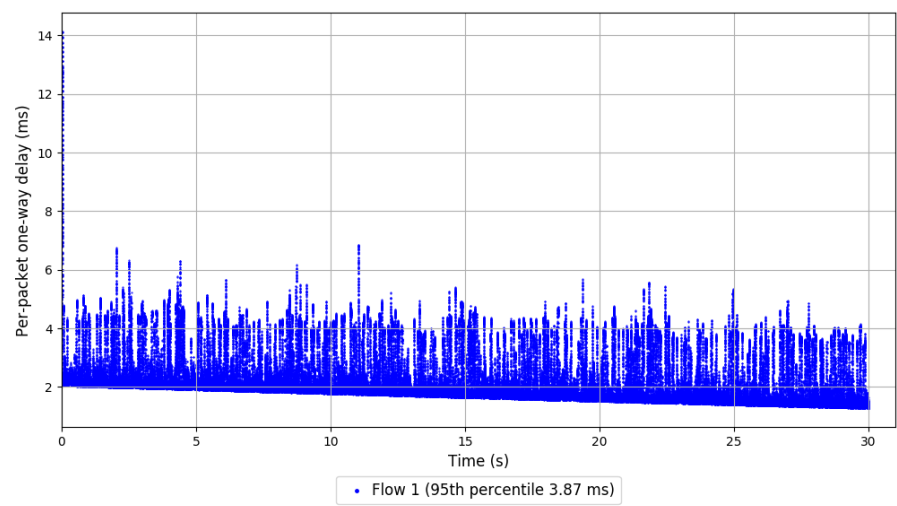
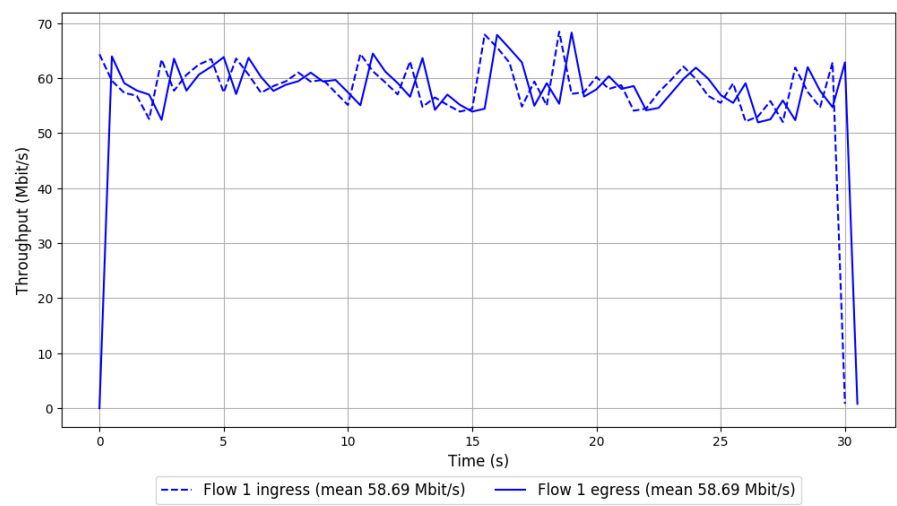


Run 7: Statistics of TaoVA-100x

Start at: 2018-08-21 21:06:32  
End at: 2018-08-21 21:07:02  
Local clock offset: -6.241 ms  
Remote clock offset: -1.393 ms

# Below is generated by plot.py at 2018-08-21 22:26:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 58.69 Mbit/s  
95th percentile per-packet one-way delay: 3.866 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 58.69 Mbit/s  
95th percentile per-packet one-way delay: 3.866 ms  
Loss rate: 0.00%

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

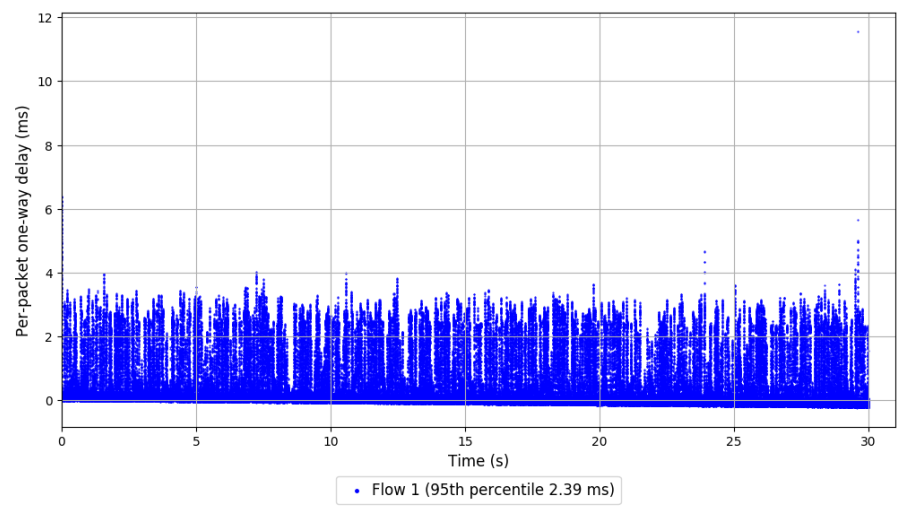
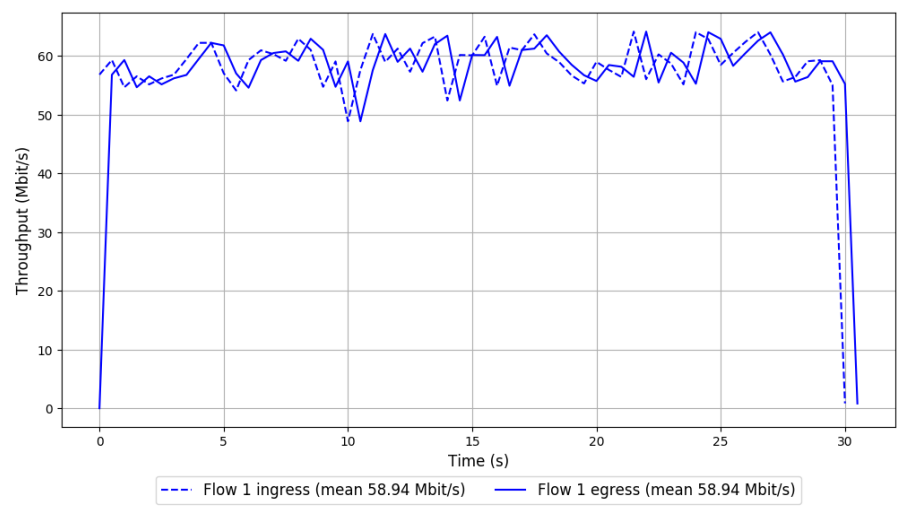


Run 8: Statistics of TaoVA-100x

Start at: 2018-08-21 21:25:30  
End at: 2018-08-21 21:26:01  
Local clock offset: -5.298 ms  
Remote clock offset: 13.849 ms

# Below is generated by plot.py at 2018-08-21 22:26:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 58.94 Mbit/s  
95th percentile per-packet one-way delay: 2.386 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 58.94 Mbit/s  
95th percentile per-packet one-way delay: 2.386 ms  
Loss rate: 0.00%

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

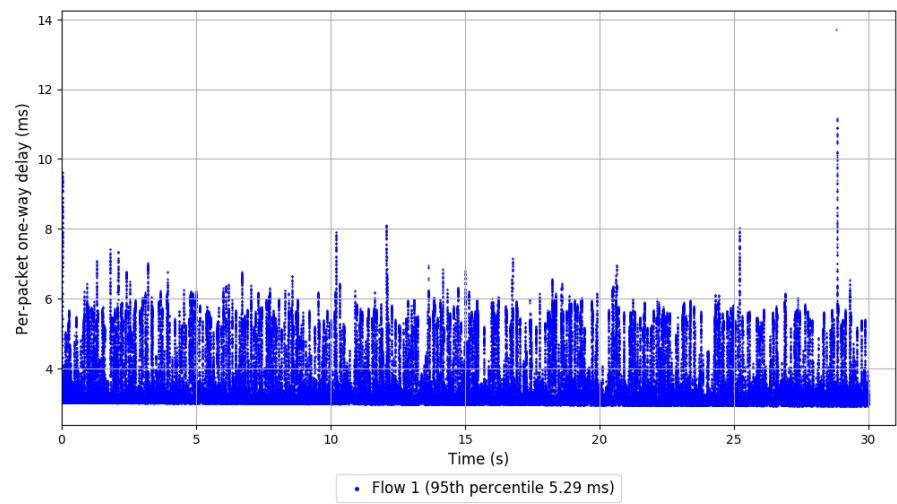
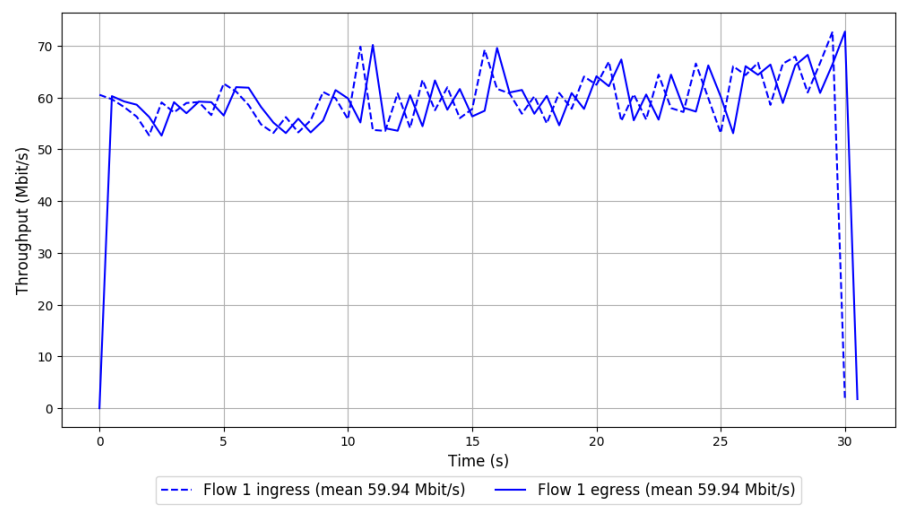


Run 9: Statistics of TaoVA-100x

Start at: 2018-08-21 21:44:28  
End at: 2018-08-21 21:44:58  
Local clock offset: -5.908 ms  
Remote clock offset: 20.116 ms

# Below is generated by plot.py at 2018-08-21 22:27:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 59.94 Mbit/s  
95th percentile per-packet one-way delay: 5.289 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 59.94 Mbit/s  
95th percentile per-packet one-way delay: 5.289 ms  
Loss rate: 0.01%

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



Run 10: Statistics of TaoVA-100x

Start at: 2018-08-21 22:03:25

End at: 2018-08-21 22:03:55

Local clock offset: -4.307 ms

Remote clock offset: 25.38 ms

# Below is generated by plot.py at 2018-08-21 22:27:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 68.66 Mbit/s

95th percentile per-packet one-way delay: 4.146 ms

Loss rate: 0.01%

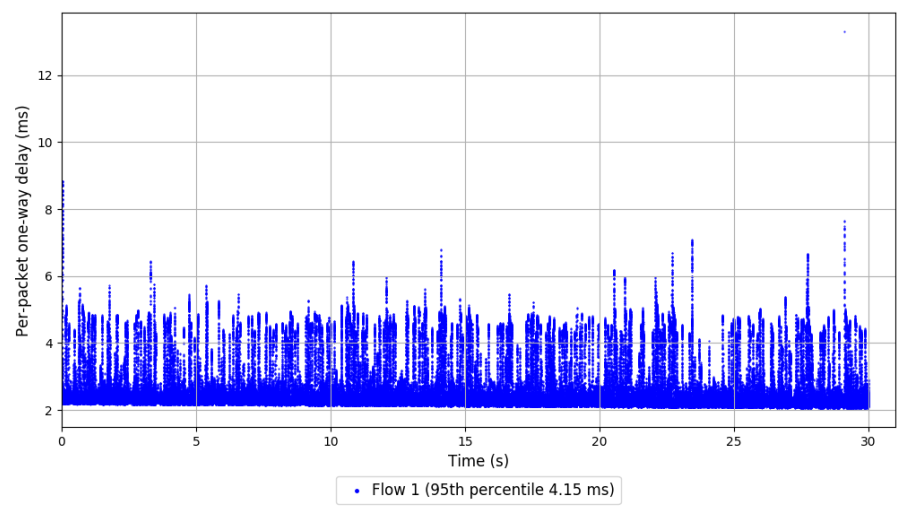
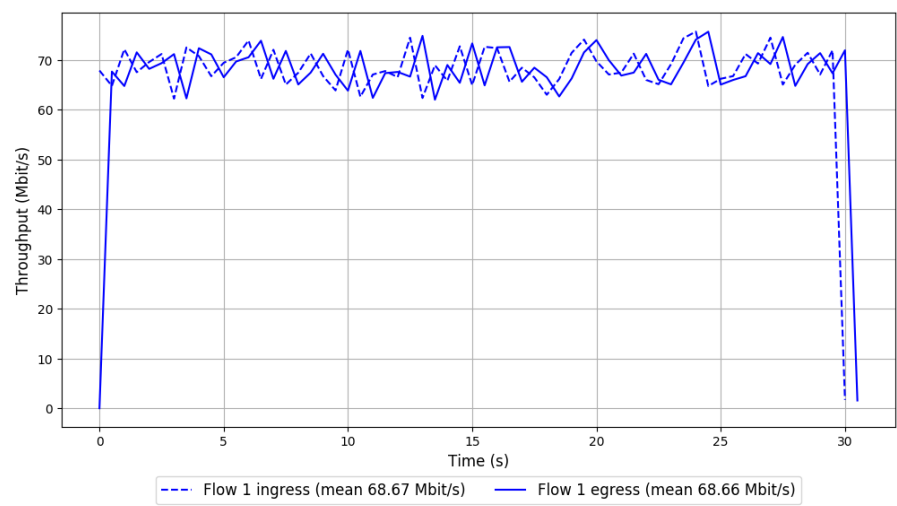
-- Flow 1:

Average throughput: 68.66 Mbit/s

95th percentile per-packet one-way delay: 4.146 ms

Loss rate: 0.01%

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

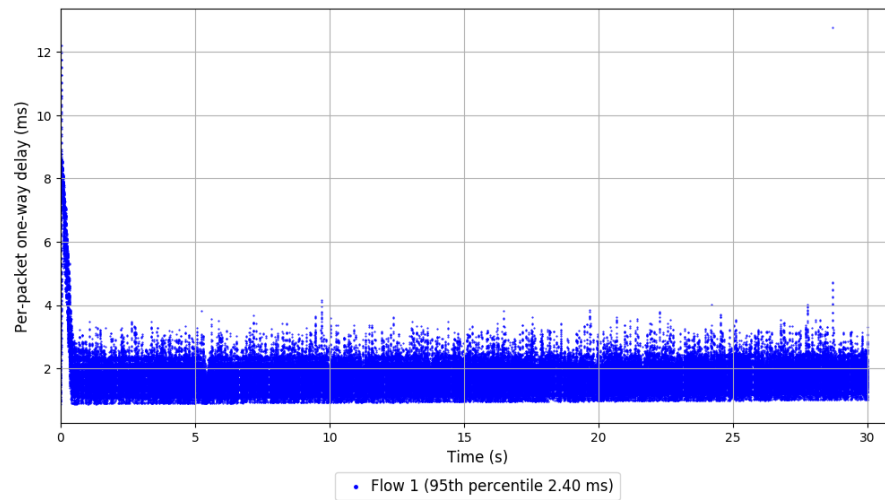
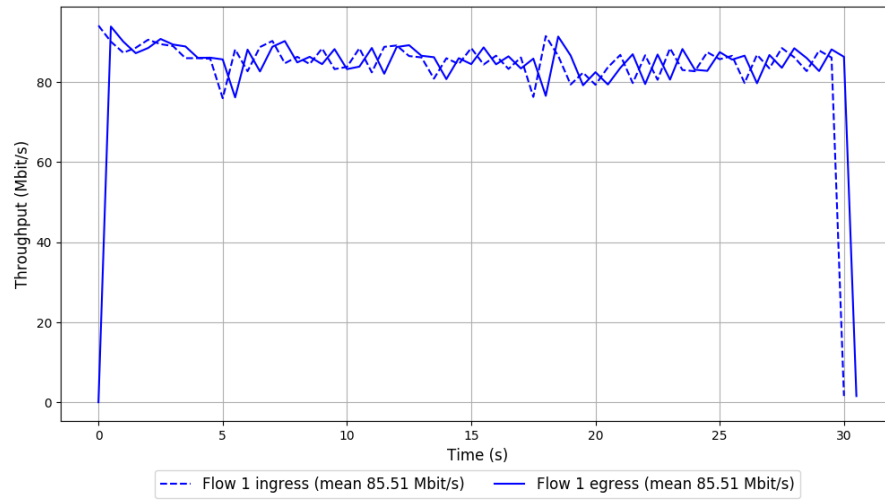


Run 1: Statistics of TCP Vegas

Start at: 2018-08-21 18:56:58  
End at: 2018-08-21 18:57:28  
Local clock offset: -0.238 ms  
Remote clock offset: -5.612 ms

# Below is generated by plot.py at 2018-08-21 22:27:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.51 Mbit/s  
95th percentile per-packet one-way delay: 2.401 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 85.51 Mbit/s  
95th percentile per-packet one-way delay: 2.401 ms  
Loss rate: 0.00%

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

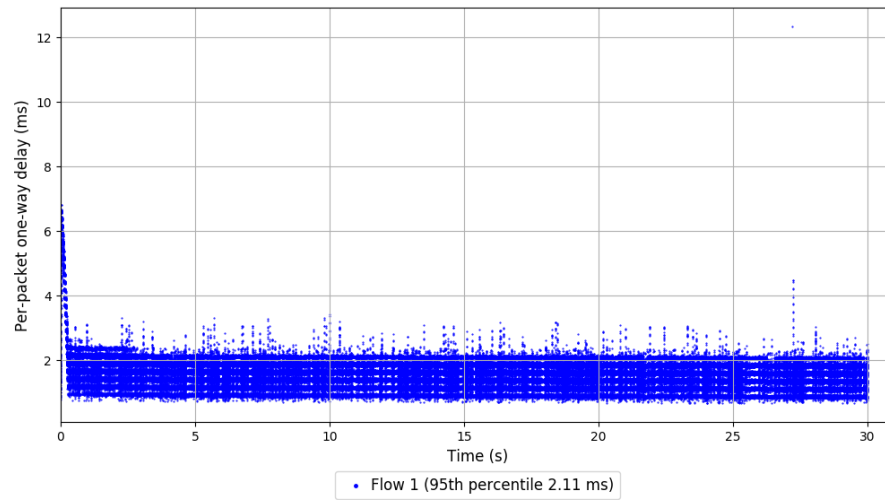
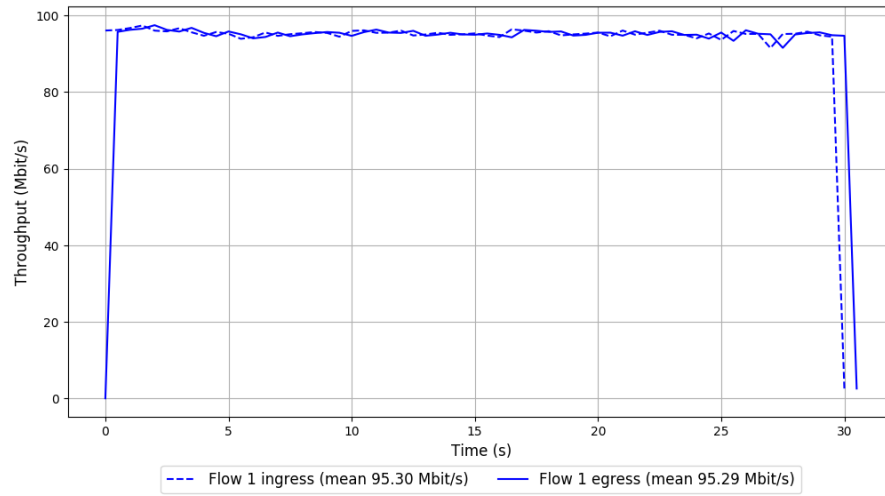


Run 2: Statistics of TCP Vegas

Start at: 2018-08-21 19:15:52  
End at: 2018-08-21 19:16:22  
Local clock offset: -2.905 ms  
Remote clock offset: -8.062 ms

# Below is generated by plot.py at 2018-08-21 22:27:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.29 Mbit/s  
95th percentile per-packet one-way delay: 2.106 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 95.29 Mbit/s  
95th percentile per-packet one-way delay: 2.106 ms  
Loss rate: 0.00%

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

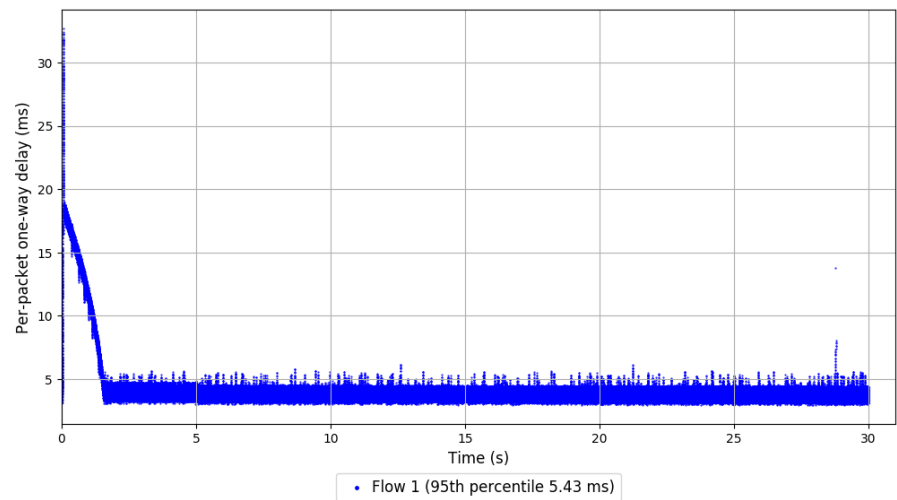
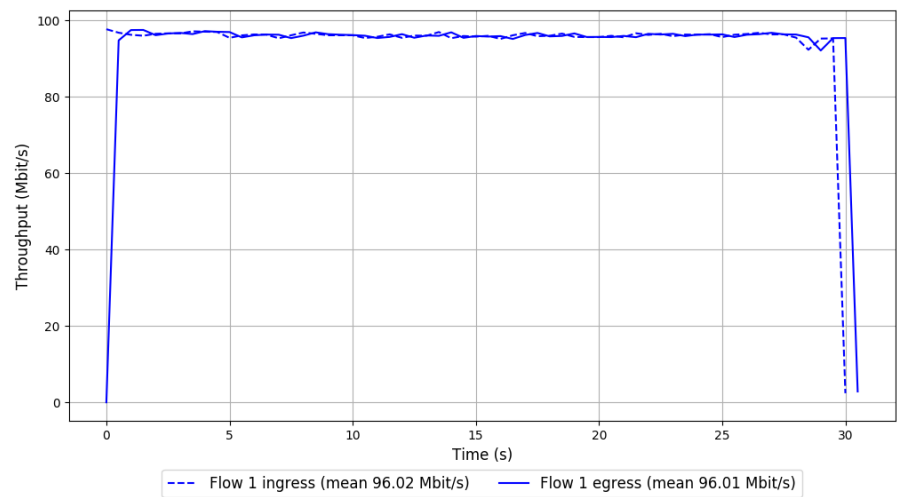


Run 3: Statistics of TCP Vegas

Start at: 2018-08-21 19:34:53  
End at: 2018-08-21 19:35:23  
Local clock offset: -5.003 ms  
Remote clock offset: -4.107 ms

# Below is generated by plot.py at 2018-08-21 22:27:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.01 Mbit/s  
95th percentile per-packet one-way delay: 5.429 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.01 Mbit/s  
95th percentile per-packet one-way delay: 5.429 ms  
Loss rate: 0.00%

Run 3: Report of TCP Vegas — Data Link

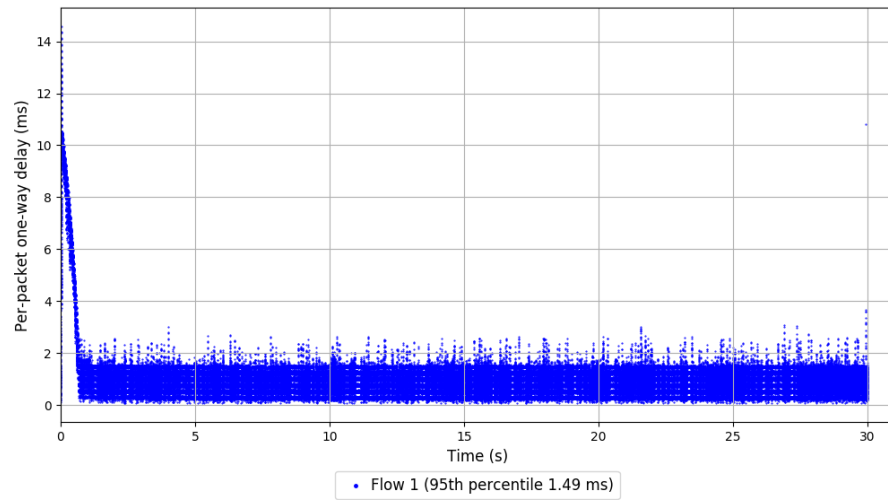
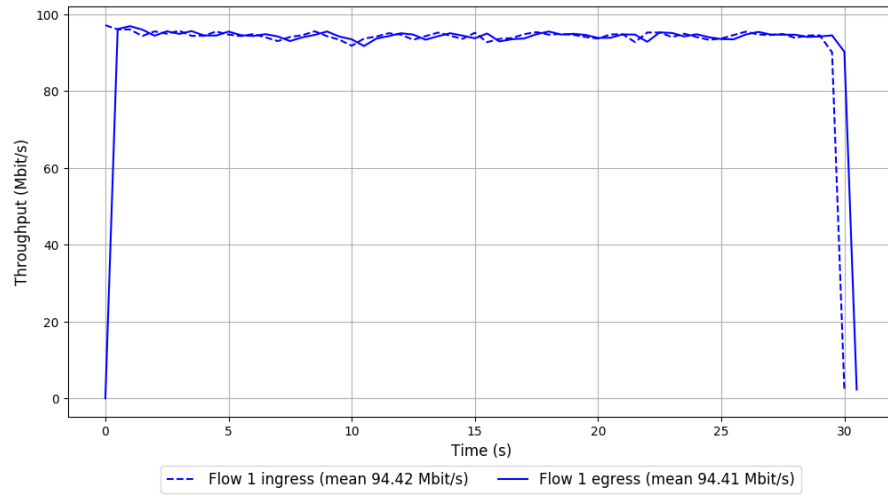


Run 4: Statistics of TCP Vegas

Start at: 2018-08-21 19:53:54  
End at: 2018-08-21 19:54:24  
Local clock offset: -2.747 ms  
Remote clock offset: -2.369 ms

# Below is generated by plot.py at 2018-08-21 22:27:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.41 Mbit/s  
95th percentile per-packet one-way delay: 1.491 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 94.41 Mbit/s  
95th percentile per-packet one-way delay: 1.491 ms  
Loss rate: 0.00%

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

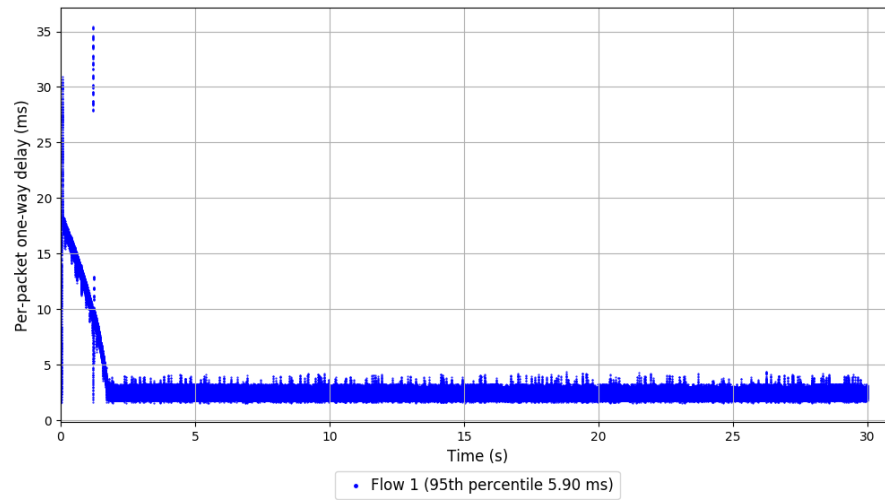
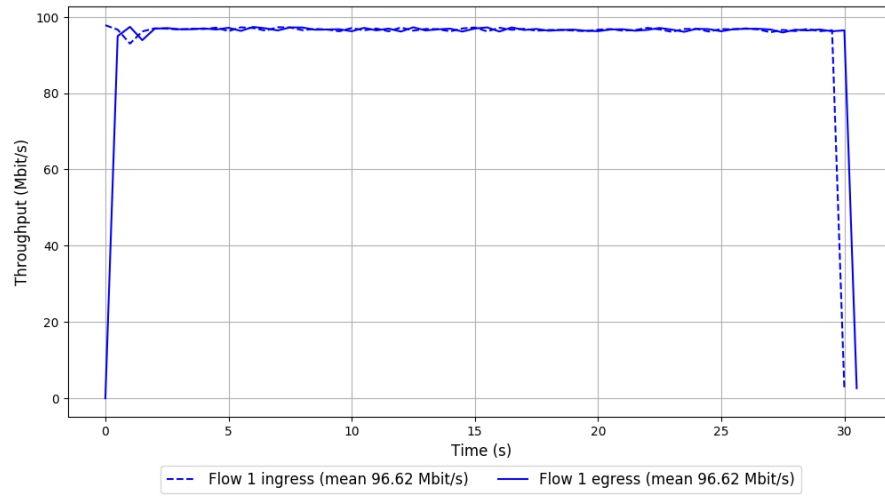


Run 5: Statistics of TCP Vegas

Start at: 2018-08-21 20:12:56  
End at: 2018-08-21 20:13:26  
Local clock offset: -1.764 ms  
Remote clock offset: -2.067 ms

# Below is generated by plot.py at 2018-08-21 22:27:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.62 Mbit/s  
95th percentile per-packet one-way delay: 5.897 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.62 Mbit/s  
95th percentile per-packet one-way delay: 5.897 ms  
Loss rate: 0.00%

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

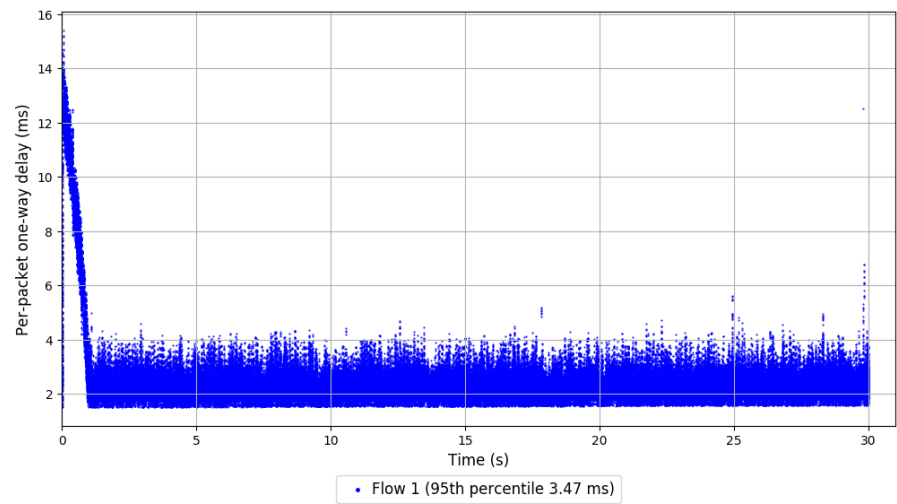
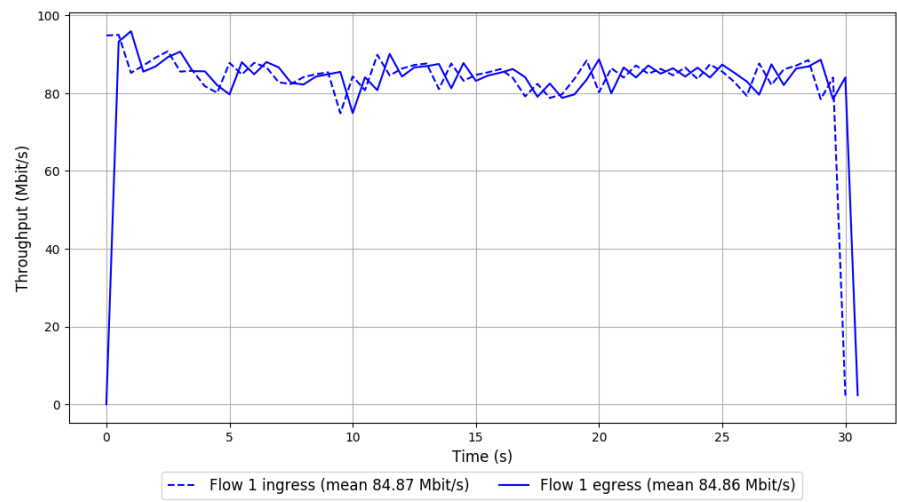


Run 6: Statistics of TCP Vegas

Start at: 2018-08-21 20:31:59  
End at: 2018-08-21 20:32:29  
Local clock offset: -0.707 ms  
Remote clock offset: -1.776 ms

# Below is generated by plot.py at 2018-08-21 22:27:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.86 Mbit/s  
95th percentile per-packet one-way delay: 3.474 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 84.86 Mbit/s  
95th percentile per-packet one-way delay: 3.474 ms  
Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link

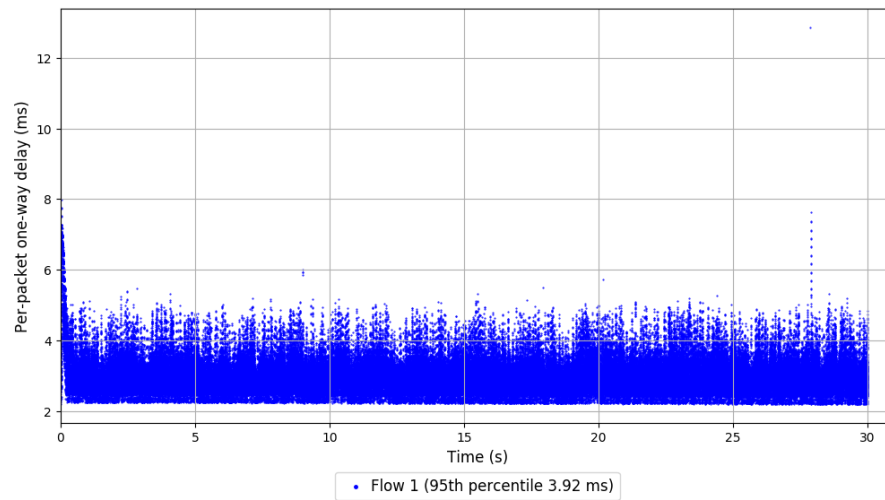
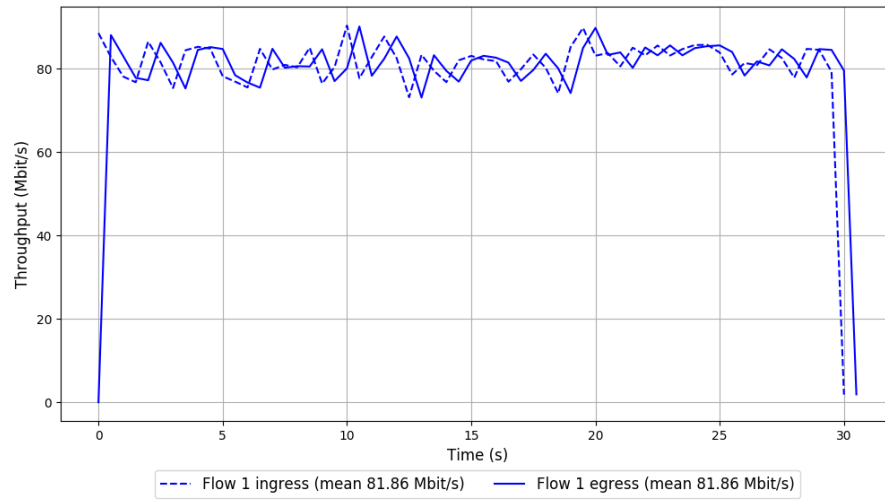


Run 7: Statistics of TCP Vegas

Start at: 2018-08-21 20:50:58  
End at: 2018-08-21 20:51:28  
Local clock offset: -5.142 ms  
Remote clock offset: -2.525 ms

# Below is generated by plot.py at 2018-08-21 22:28:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.86 Mbit/s  
95th percentile per-packet one-way delay: 3.918 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 81.86 Mbit/s  
95th percentile per-packet one-way delay: 3.918 ms  
Loss rate: 0.01%

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



Run 8: Statistics of TCP Vegas

Start at: 2018-08-21 21:09:57

End at: 2018-08-21 21:10:27

Local clock offset: -5.392 ms

Remote clock offset: 3.353 ms

# Below is generated by plot.py at 2018-08-21 22:28:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.71 Mbit/s

95th percentile per-packet one-way delay: 2.892 ms

Loss rate: 0.01%

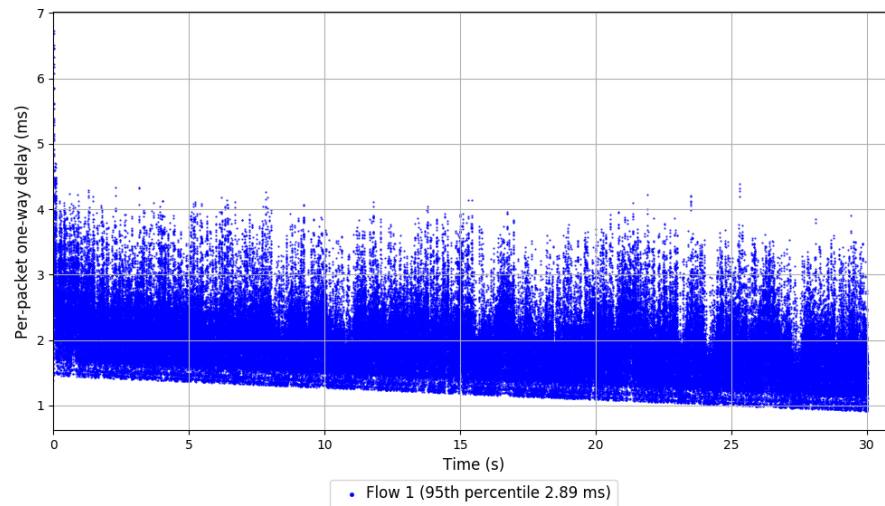
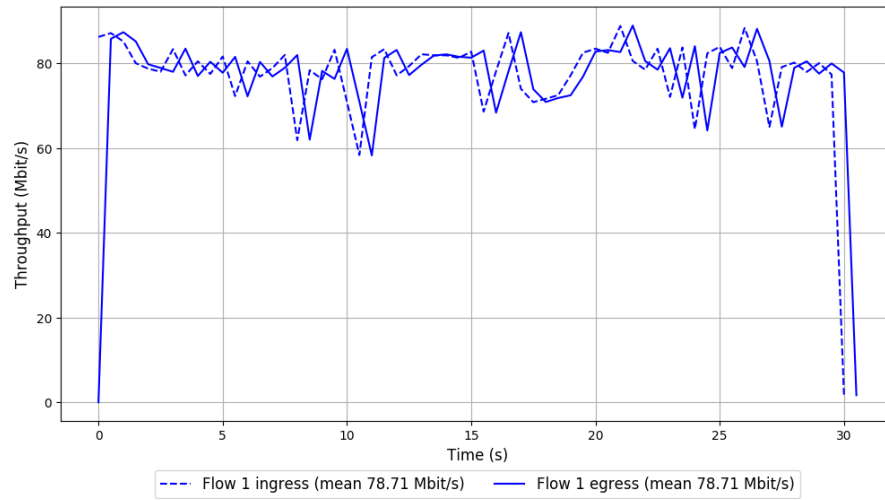
-- Flow 1:

Average throughput: 78.71 Mbit/s

95th percentile per-packet one-way delay: 2.892 ms

Loss rate: 0.01%

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

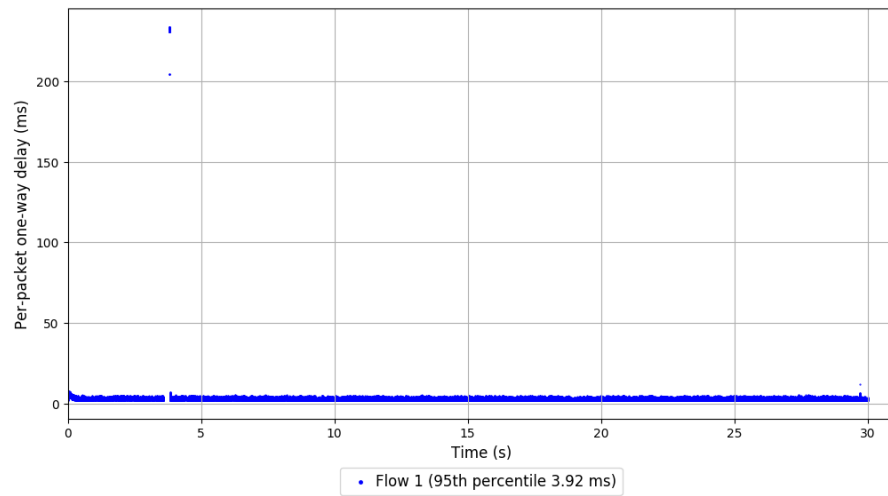
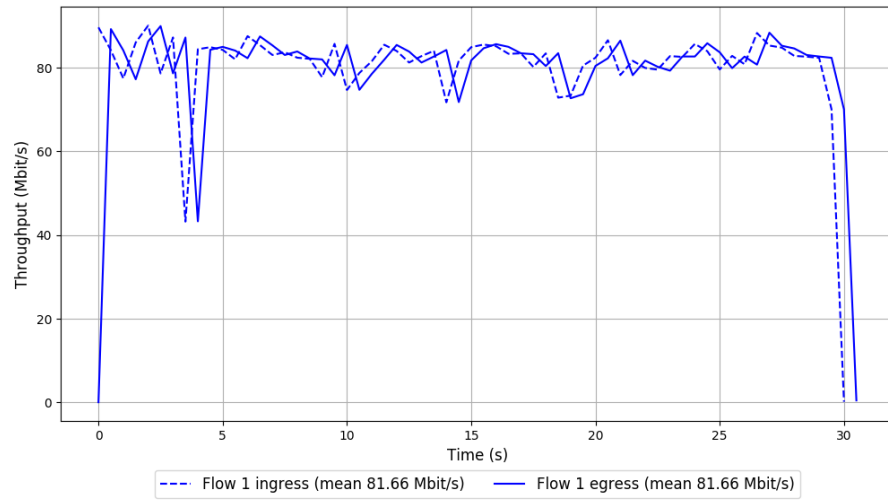


Run 9: Statistics of TCP Vegas

Start at: 2018-08-21 21:28:55  
End at: 2018-08-21 21:29:25  
Local clock offset: -6.102 ms  
Remote clock offset: 15.189 ms

# Below is generated by plot.py at 2018-08-21 22:28:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.66 Mbit/s  
95th percentile per-packet one-way delay: 3.920 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 81.66 Mbit/s  
95th percentile per-packet one-way delay: 3.920 ms  
Loss rate: 0.00%

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

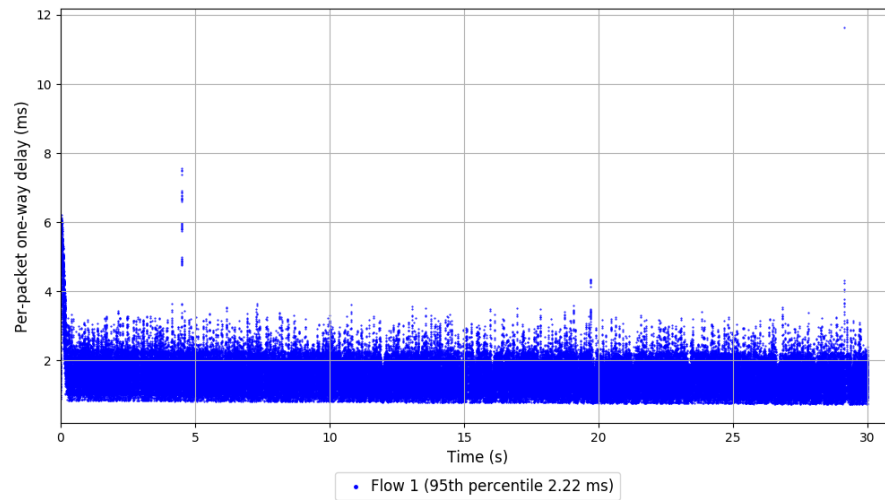
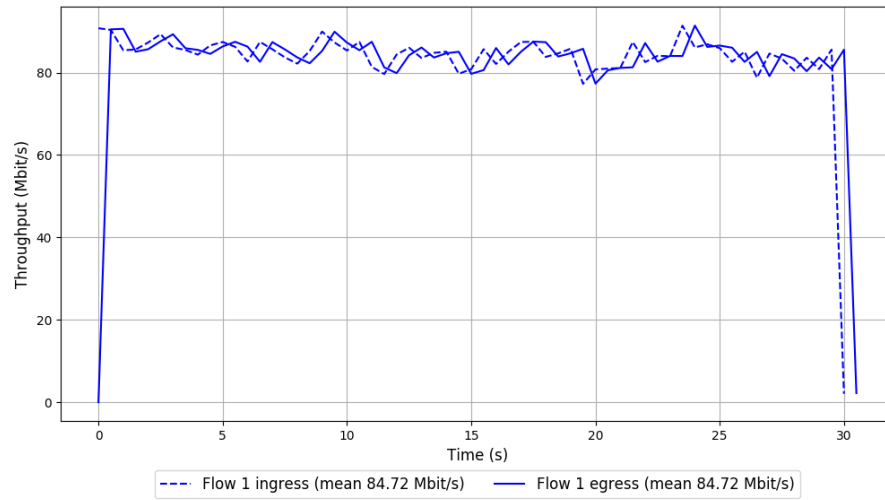


Run 10: Statistics of TCP Vegas

Start at: 2018-08-21 21:47:53  
End at: 2018-08-21 21:48:23  
Local clock offset: -4.884 ms  
Remote clock offset: 21.144 ms

# Below is generated by plot.py at 2018-08-21 22:28:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.72 Mbit/s  
95th percentile per-packet one-way delay: 2.224 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 84.72 Mbit/s  
95th percentile per-packet one-way delay: 2.224 ms  
Loss rate: 0.00%

# Run 10: Report of TCP Vegas — Data Link

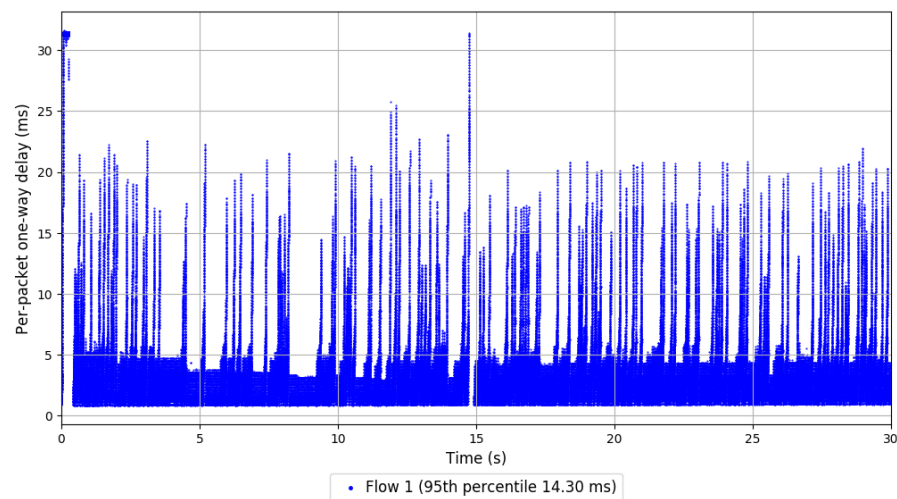
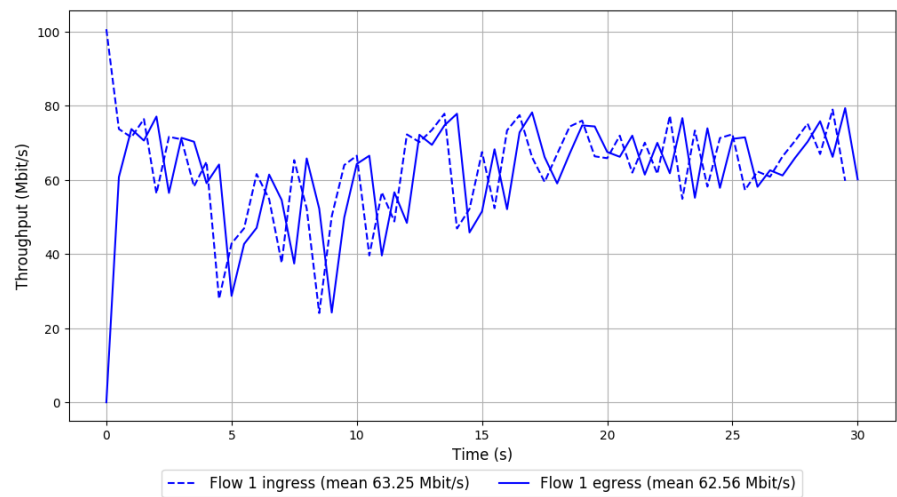


Run 1: Statistics of Verus

Start at: 2018-08-21 19:05:45  
End at: 2018-08-21 19:06:15  
Local clock offset: 0.398 ms  
Remote clock offset: -7.113 ms

# Below is generated by plot.py at 2018-08-21 22:28:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 62.56 Mbit/s  
95th percentile per-packet one-way delay: 14.303 ms  
Loss rate: 1.08%  
-- Flow 1:  
Average throughput: 62.56 Mbit/s  
95th percentile per-packet one-way delay: 14.303 ms  
Loss rate: 1.08%

Run 1: Report of Verus — Data Link

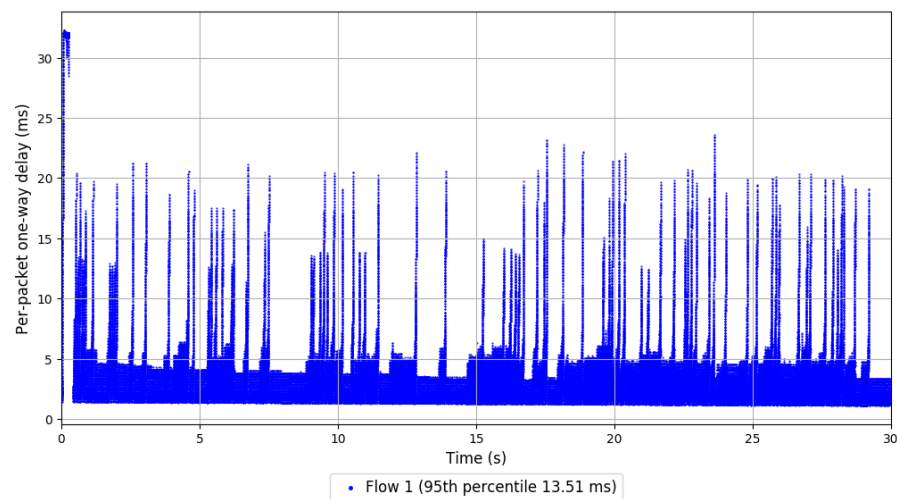
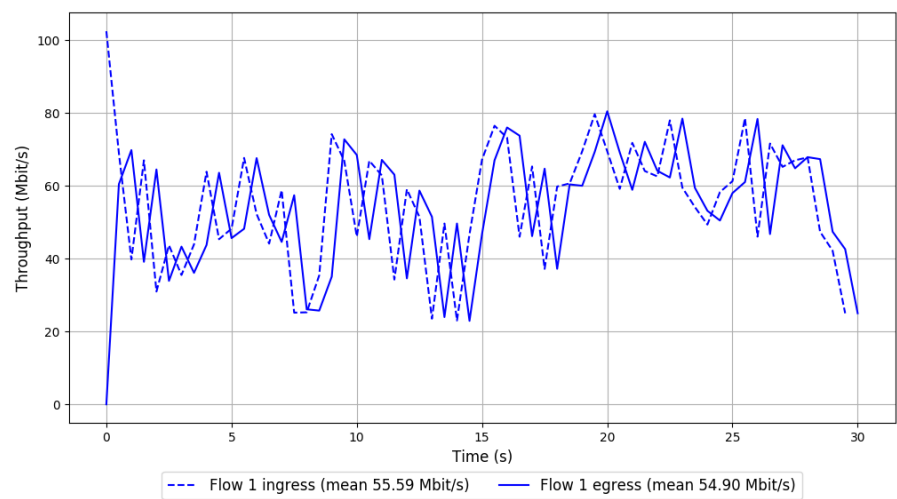


Run 2: Statistics of Verus

Start at: 2018-08-21 19:24:46  
End at: 2018-08-21 19:25:16  
Local clock offset: -4.827 ms  
Remote clock offset: -7.858 ms

# Below is generated by plot.py at 2018-08-21 22:28:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 54.90 Mbit/s  
95th percentile per-packet one-way delay: 13.512 ms  
Loss rate: 1.24%  
-- Flow 1:  
Average throughput: 54.90 Mbit/s  
95th percentile per-packet one-way delay: 13.512 ms  
Loss rate: 1.24%

Run 2: Report of Verus — Data Link

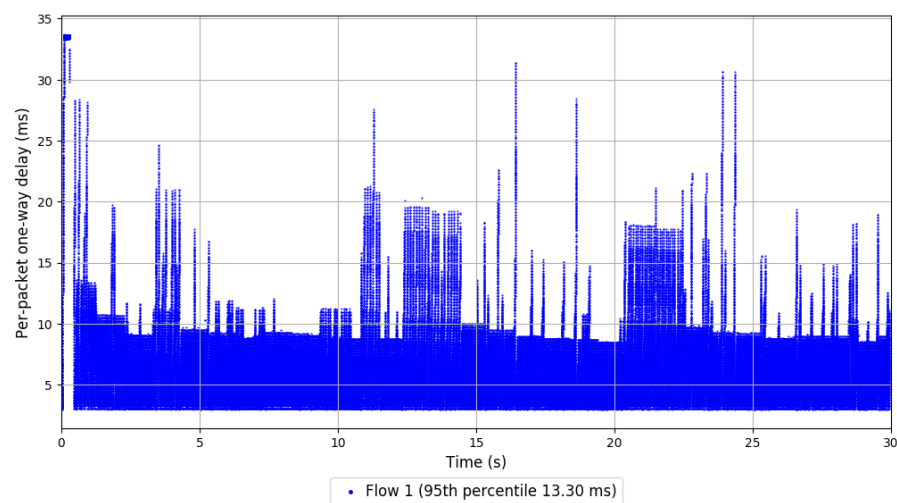
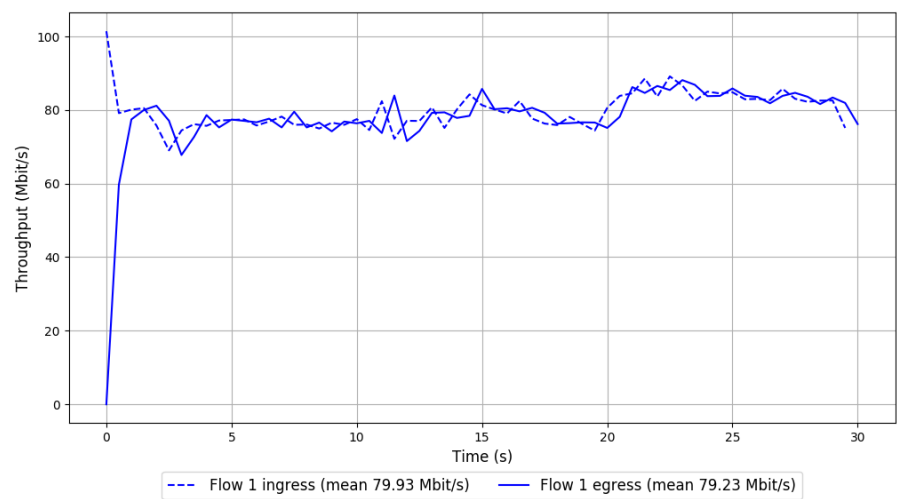


Run 3: Statistics of Verus

Start at: 2018-08-21 19:43:46  
End at: 2018-08-21 19:44:16  
Local clock offset: -4.687 ms  
Remote clock offset: -3.038 ms

# Below is generated by plot.py at 2018-08-21 22:28:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.23 Mbit/s  
95th percentile per-packet one-way delay: 13.304 ms  
Loss rate: 0.88%  
-- Flow 1:  
Average throughput: 79.23 Mbit/s  
95th percentile per-packet one-way delay: 13.304 ms  
Loss rate: 0.88%

Run 3: Report of Verus — Data Link

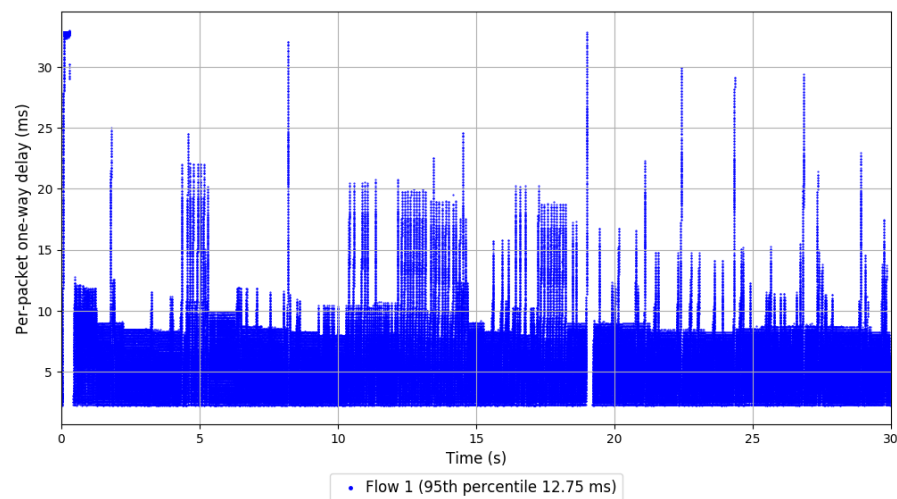
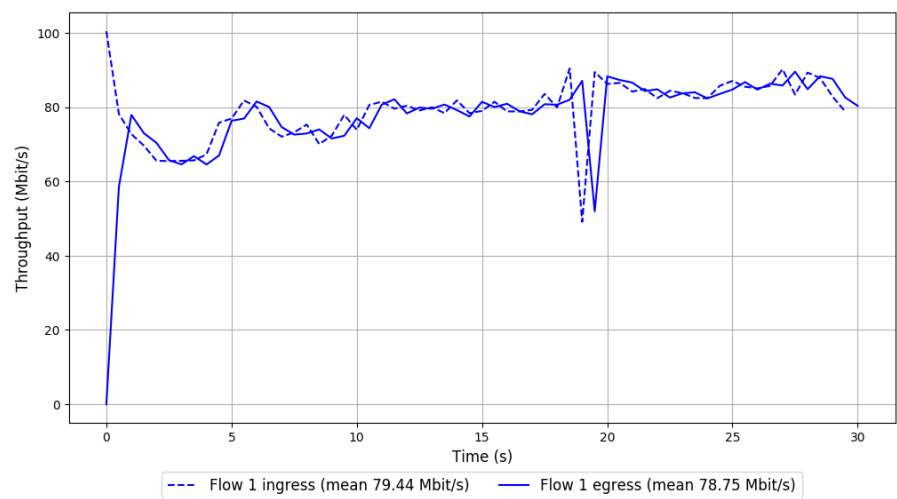


Run 4: Statistics of Verus

Start at: 2018-08-21 20:02:48  
End at: 2018-08-21 20:03:18  
Local clock offset: -3.196 ms  
Remote clock offset: -2.284 ms

# Below is generated by plot.py at 2018-08-21 22:28:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.75 Mbit/s  
95th percentile per-packet one-way delay: 12.749 ms  
Loss rate: 0.86%  
-- Flow 1:  
Average throughput: 78.75 Mbit/s  
95th percentile per-packet one-way delay: 12.749 ms  
Loss rate: 0.86%

Run 4: Report of Verus — Data Link

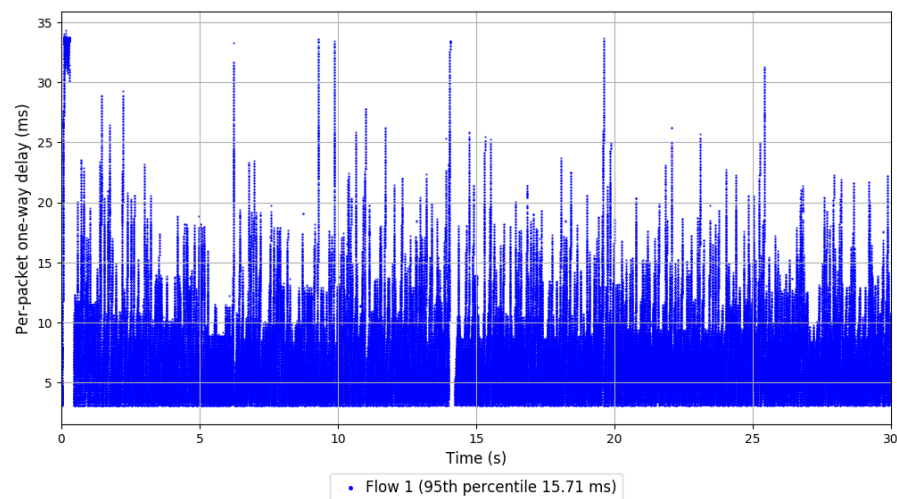
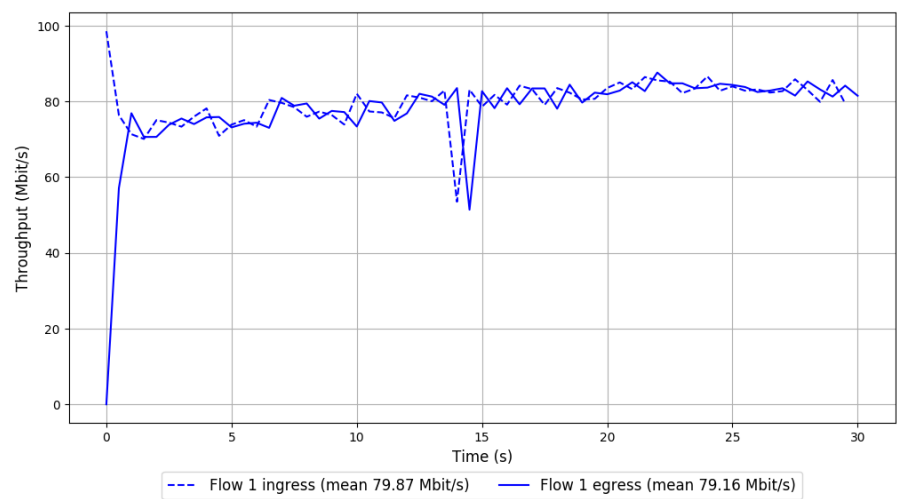


Run 5: Statistics of Verus

Start at: 2018-08-21 20:21:50  
End at: 2018-08-21 20:22:20  
Local clock offset: -2.746 ms  
Remote clock offset: -1.911 ms

# Below is generated by plot.py at 2018-08-21 22:29:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.16 Mbit/s  
95th percentile per-packet one-way delay: 15.708 ms  
Loss rate: 0.87%  
-- Flow 1:  
Average throughput: 79.16 Mbit/s  
95th percentile per-packet one-way delay: 15.708 ms  
Loss rate: 0.87%

Run 5: Report of Verus — Data Link

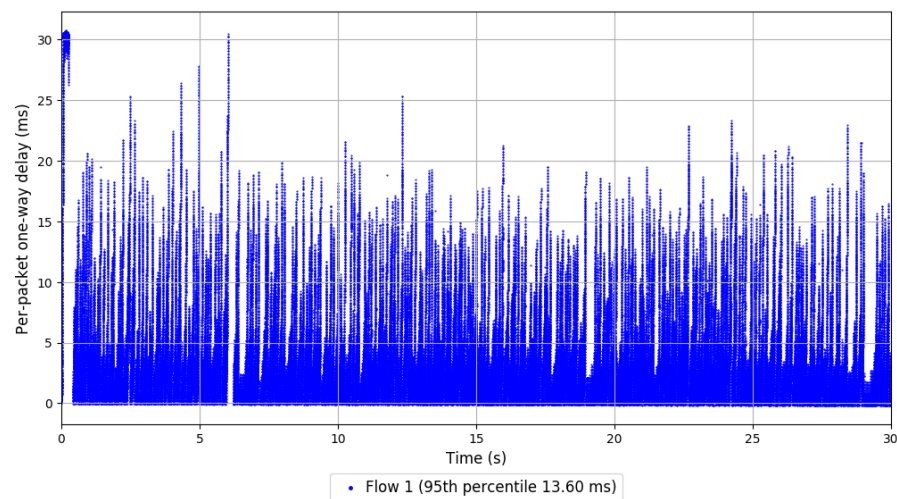
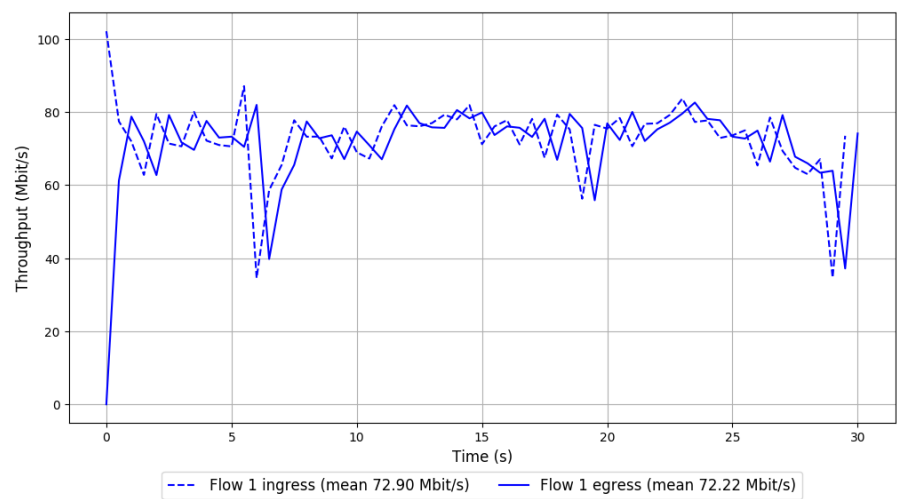


Run 6: Statistics of Verus

Start at: 2018-08-21 20:40:48  
End at: 2018-08-21 20:41:18  
Local clock offset: -2.125 ms  
Remote clock offset: -2.345 ms

# Below is generated by plot.py at 2018-08-21 22:29:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 72.22 Mbit/s  
95th percentile per-packet one-way delay: 13.602 ms  
Loss rate: 0.91%  
-- Flow 1:  
Average throughput: 72.22 Mbit/s  
95th percentile per-packet one-way delay: 13.602 ms  
Loss rate: 0.91%

Run 6: Report of Verus — Data Link

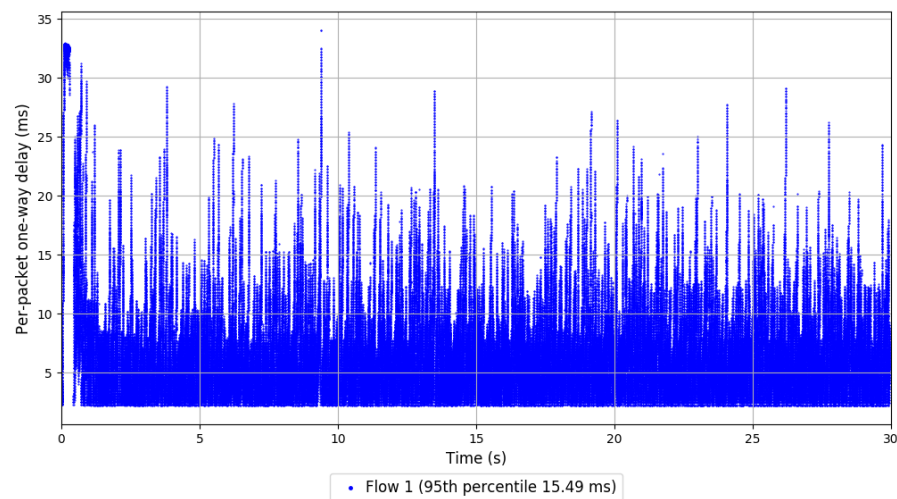
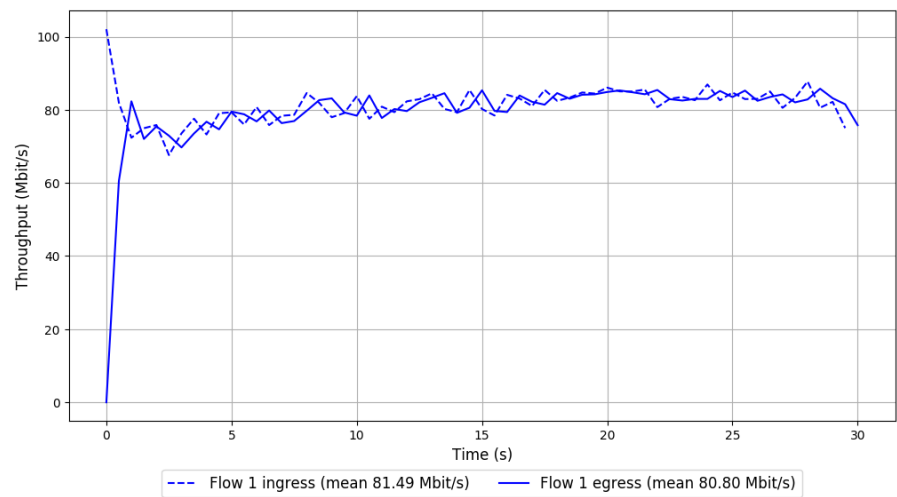


Run 7: Statistics of Verus

Start at: 2018-08-21 20:59:45  
End at: 2018-08-21 21:00:15  
Local clock offset: -5.907 ms  
Remote clock offset: -2.606 ms

# Below is generated by plot.py at 2018-08-21 22:29:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.80 Mbit/s  
95th percentile per-packet one-way delay: 15.495 ms  
Loss rate: 0.83%  
-- Flow 1:  
Average throughput: 80.80 Mbit/s  
95th percentile per-packet one-way delay: 15.495 ms  
Loss rate: 0.83%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-08-21 21:18:45

End at: 2018-08-21 21:19:15

Local clock offset: -6.099 ms

Remote clock offset: 10.35 ms

# Below is generated by plot.py at 2018-08-21 22:29:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.86 Mbit/s

95th percentile per-packet one-way delay: 14.737 ms

Loss rate: 0.88%

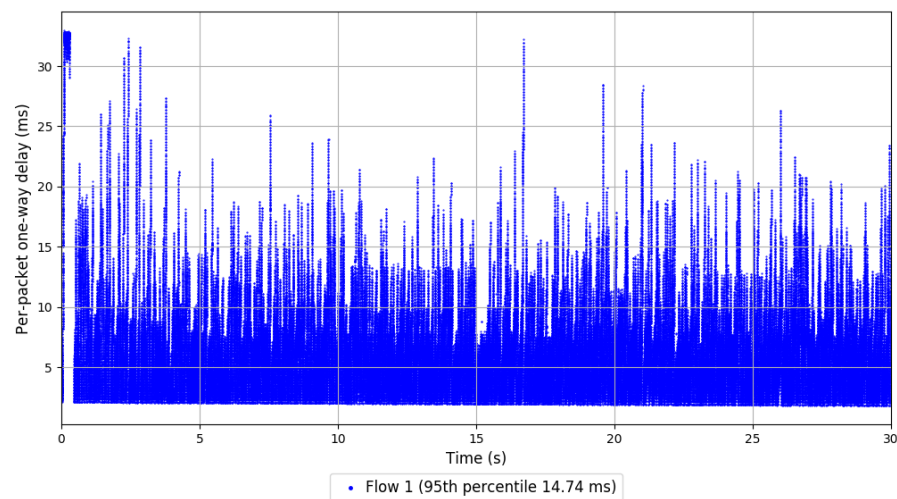
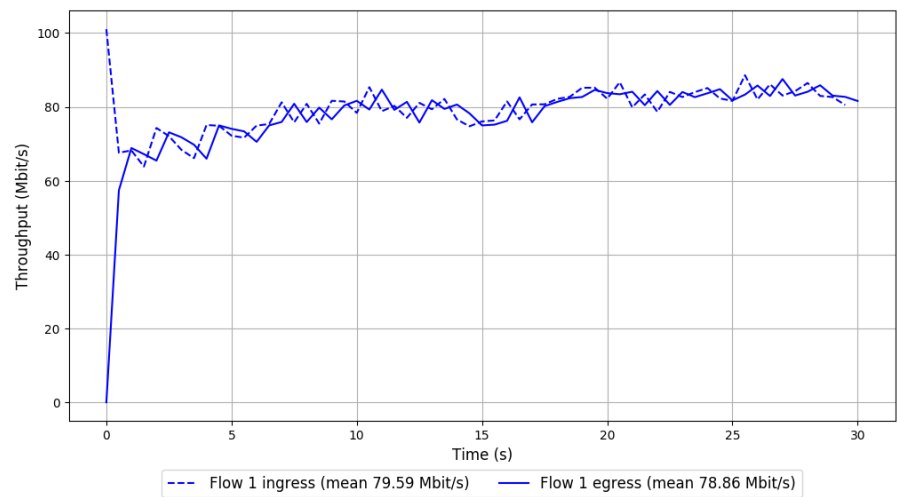
-- Flow 1:

Average throughput: 78.86 Mbit/s

95th percentile per-packet one-way delay: 14.737 ms

Loss rate: 0.88%

Run 8: Report of Verus — Data Link

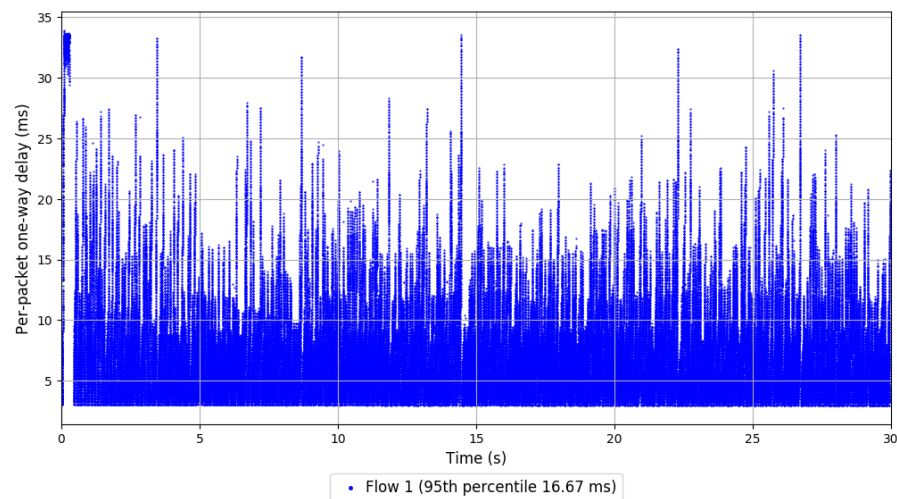
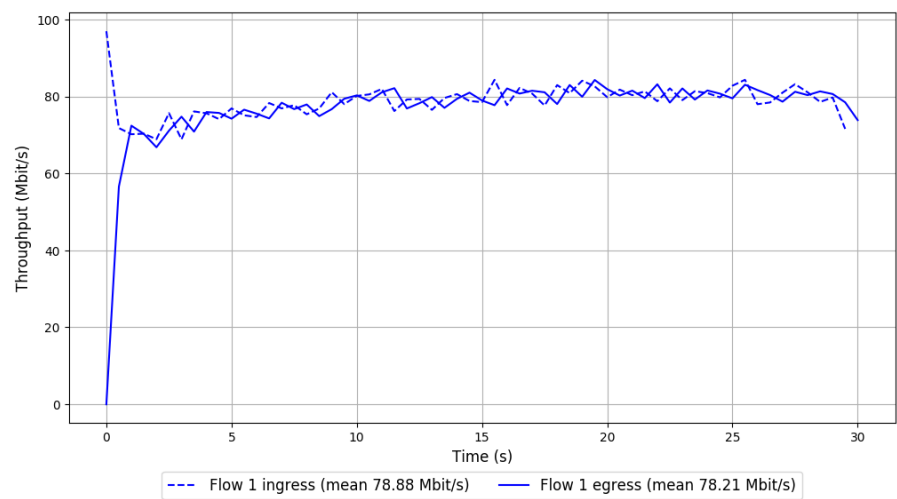


Run 9: Statistics of Verus

Start at: 2018-08-21 21:37:42  
End at: 2018-08-21 21:38:12  
Local clock offset: -6.884 ms  
Remote clock offset: 17.996 ms

# Below is generated by plot.py at 2018-08-21 22:29:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.21 Mbit/s  
95th percentile per-packet one-way delay: 16.671 ms  
Loss rate: 0.84%  
-- Flow 1:  
Average throughput: 78.21 Mbit/s  
95th percentile per-packet one-way delay: 16.671 ms  
Loss rate: 0.84%

Run 9: Report of Verus — Data Link

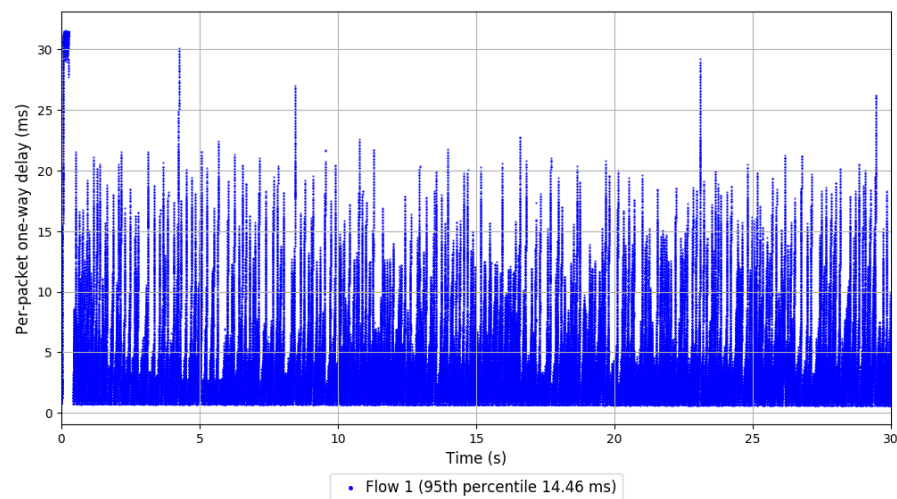
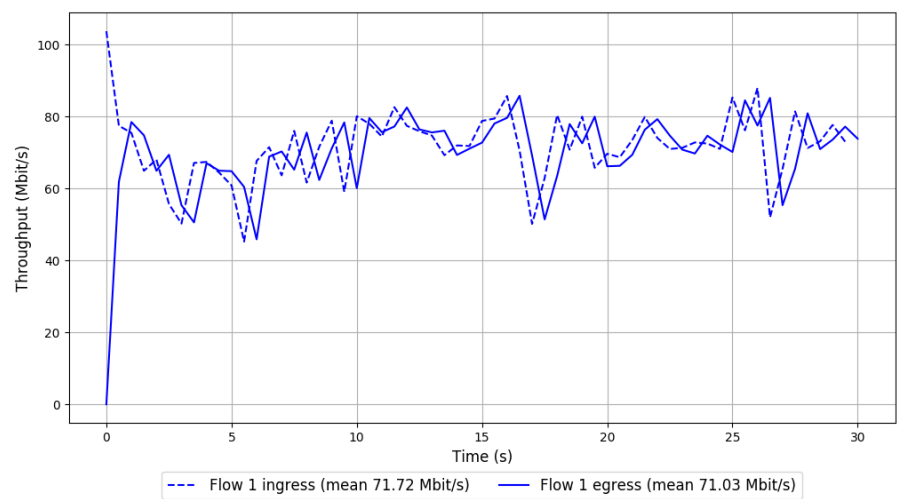


Run 10: Statistics of Verus

Start at: 2018-08-21 21:56:41  
End at: 2018-08-21 21:57:11  
Local clock offset: -4.47 ms  
Remote clock offset: 23.518 ms

# Below is generated by plot.py at 2018-08-21 22:29:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 71.03 Mbit/s  
95th percentile per-packet one-way delay: 14.457 ms  
Loss rate: 0.93%  
-- Flow 1:  
Average throughput: 71.03 Mbit/s  
95th percentile per-packet one-way delay: 14.457 ms  
Loss rate: 0.93%

Run 10: Report of Verus — Data Link

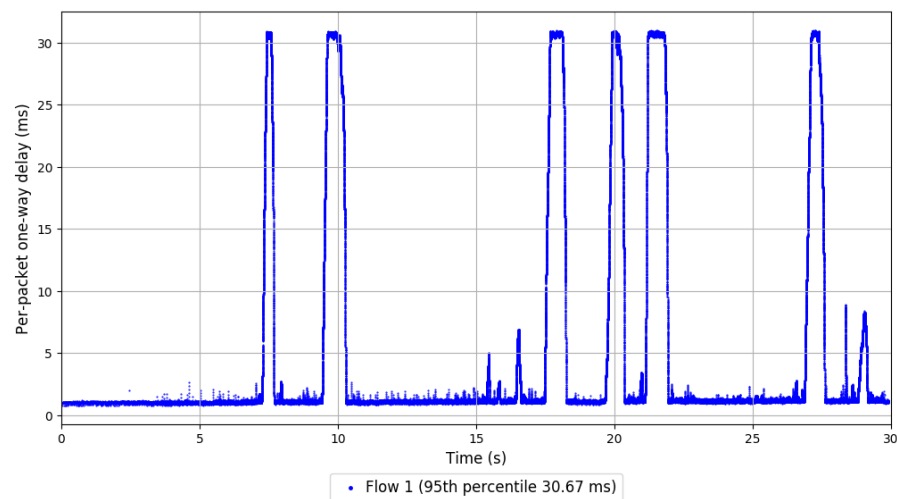
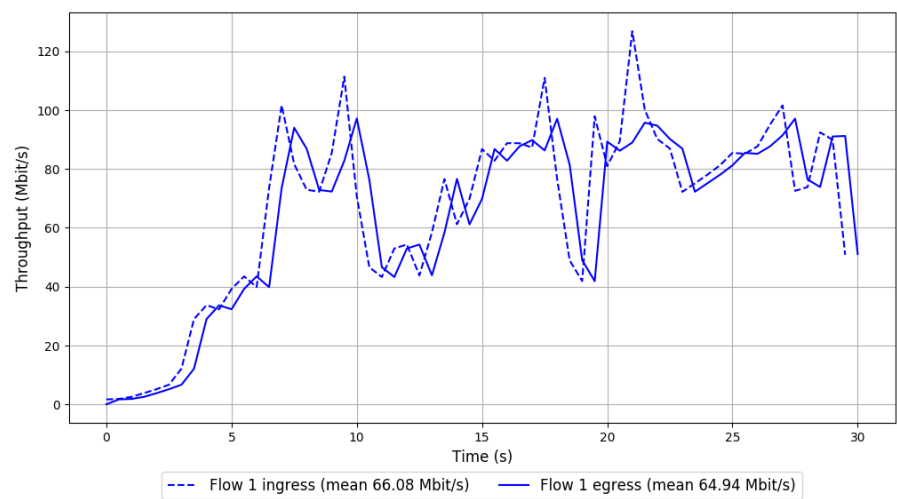


Run 1: Statistics of PCC-Vivace

Start at: 2018-08-21 19:00:18  
End at: 2018-08-21 19:00:48  
Local clock offset: -0.045 ms  
Remote clock offset: -6.266 ms

# Below is generated by plot.py at 2018-08-21 22:29:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 64.94 Mbit/s  
95th percentile per-packet one-way delay: 30.669 ms  
Loss rate: 1.72%  
-- Flow 1:  
Average throughput: 64.94 Mbit/s  
95th percentile per-packet one-way delay: 30.669 ms  
Loss rate: 1.72%

Run 1: Report of PCC-Vivace — Data Link

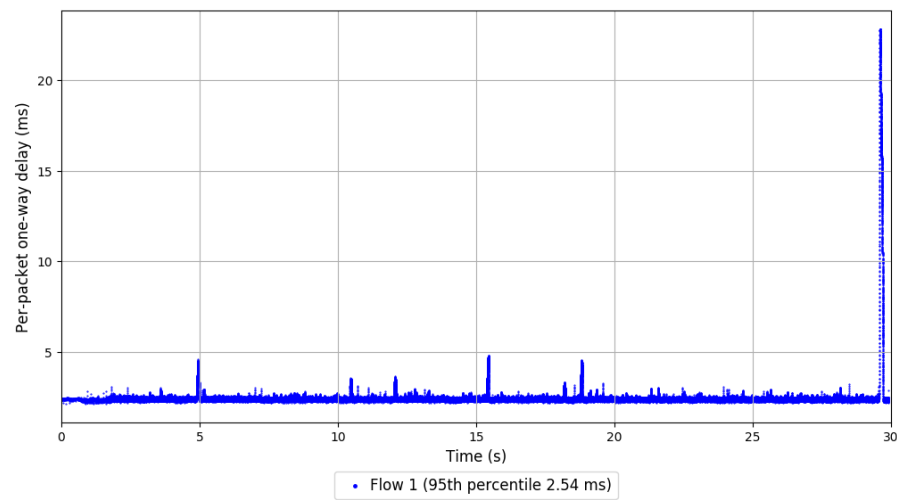
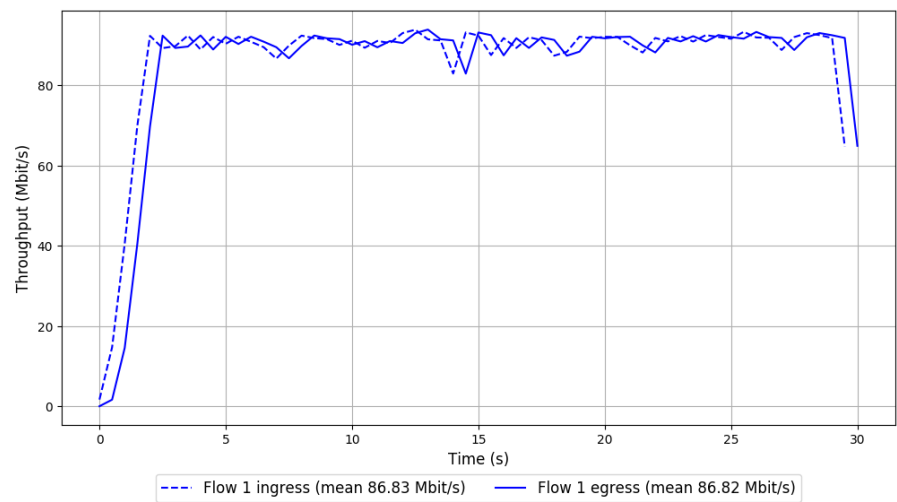


Run 2: Statistics of PCC-Vivace

Start at: 2018-08-21 19:19:14  
End at: 2018-08-21 19:19:44  
Local clock offset: -3.524 ms  
Remote clock offset: -8.339 ms

# Below is generated by plot.py at 2018-08-21 22:29:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.82 Mbit/s  
95th percentile per-packet one-way delay: 2.537 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 86.82 Mbit/s  
95th percentile per-packet one-way delay: 2.537 ms  
Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-08-21 19:38:14

End at: 2018-08-21 19:38:44

Local clock offset: -4.956 ms

Remote clock offset: -3.582 ms

# Below is generated by plot.py at 2018-08-21 22:30:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.16 Mbit/s

95th percentile per-packet one-way delay: 3.384 ms

Loss rate: 0.00%

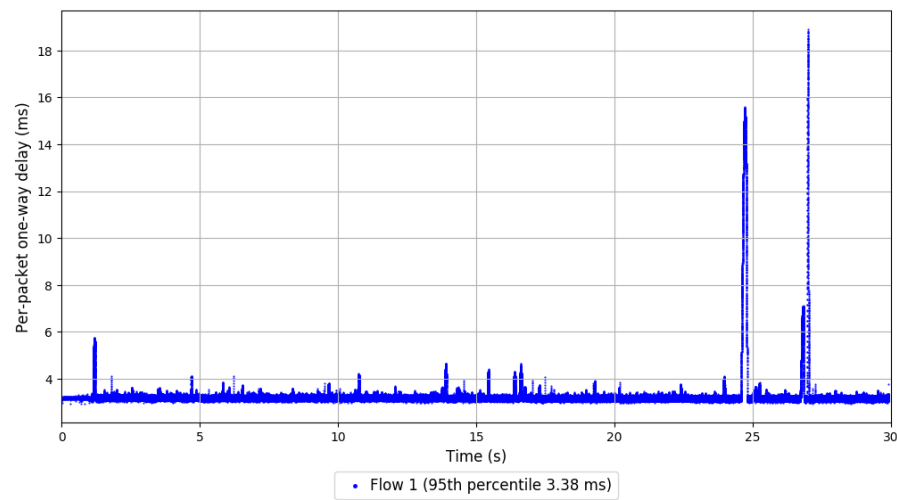
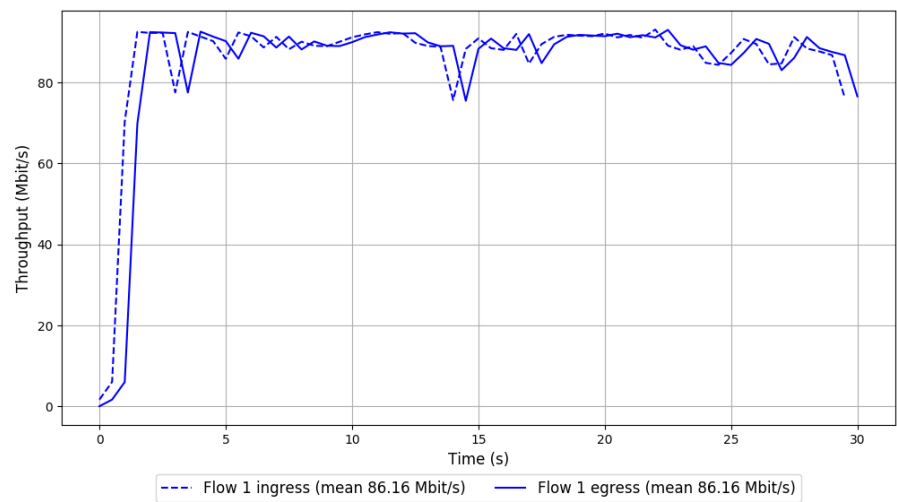
-- Flow 1:

Average throughput: 86.16 Mbit/s

95th percentile per-packet one-way delay: 3.384 ms

Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

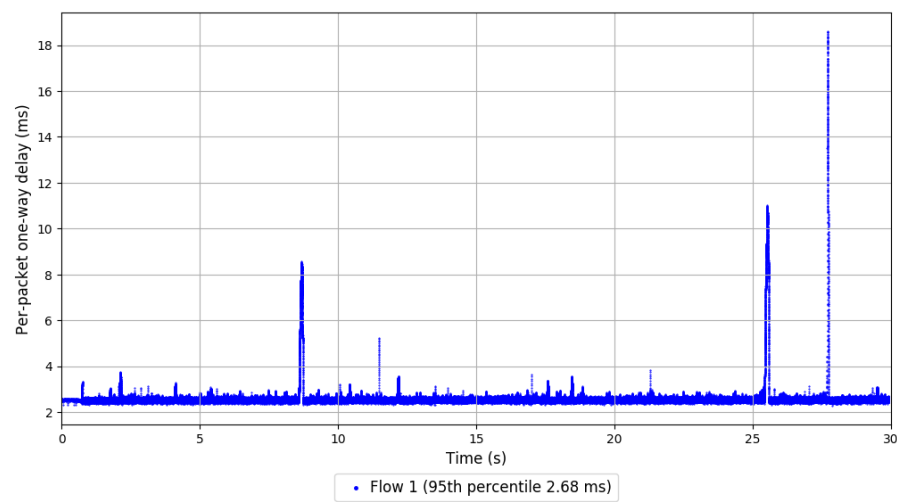
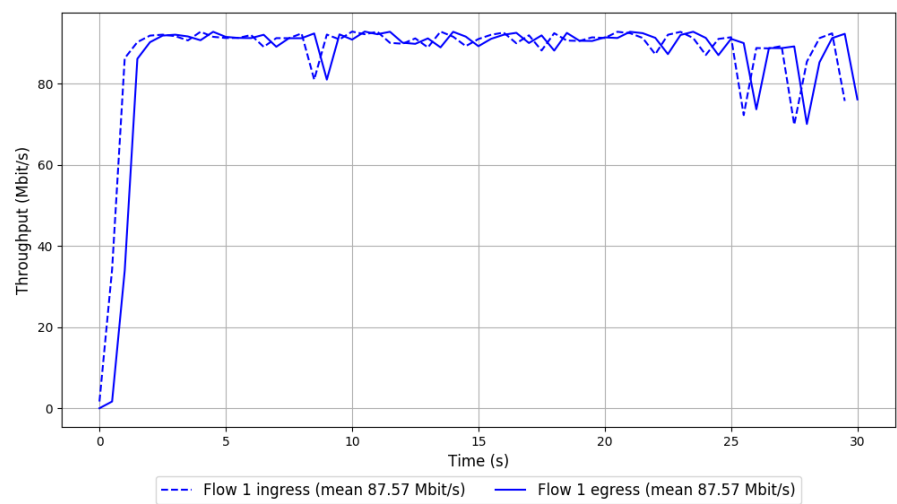


Run 4: Statistics of PCC-Vivace

Start at: 2018-08-21 19:57:16  
End at: 2018-08-21 19:57:46  
Local clock offset: -3.476 ms  
Remote clock offset: -2.268 ms

# Below is generated by plot.py at 2018-08-21 22:30:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.57 Mbit/s  
95th percentile per-packet one-way delay: 2.681 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 87.57 Mbit/s  
95th percentile per-packet one-way delay: 2.681 ms  
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

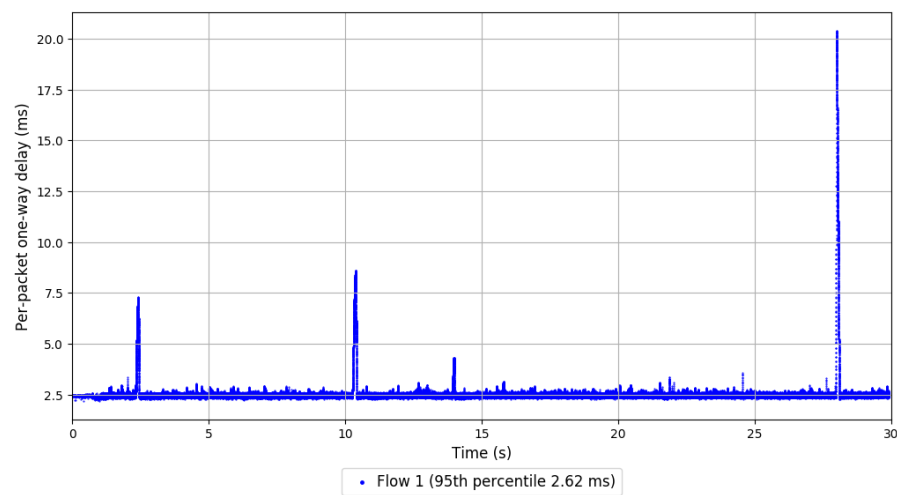
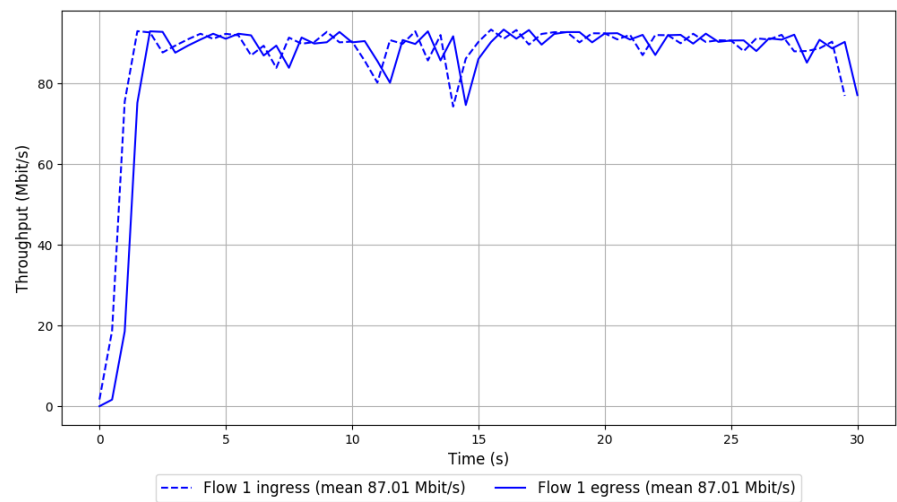


Run 5: Statistics of PCC-Vivace

Start at: 2018-08-21 20:16:18  
End at: 2018-08-21 20:16:48  
Local clock offset: -2.307 ms  
Remote clock offset: -2.017 ms

# Below is generated by plot.py at 2018-08-21 22:30:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.01 Mbit/s  
95th percentile per-packet one-way delay: 2.618 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 87.01 Mbit/s  
95th percentile per-packet one-way delay: 2.618 ms  
Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link

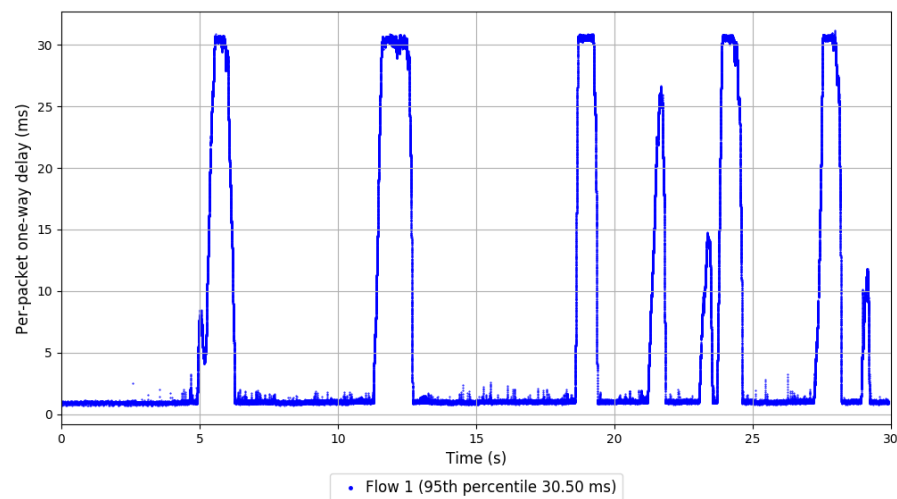
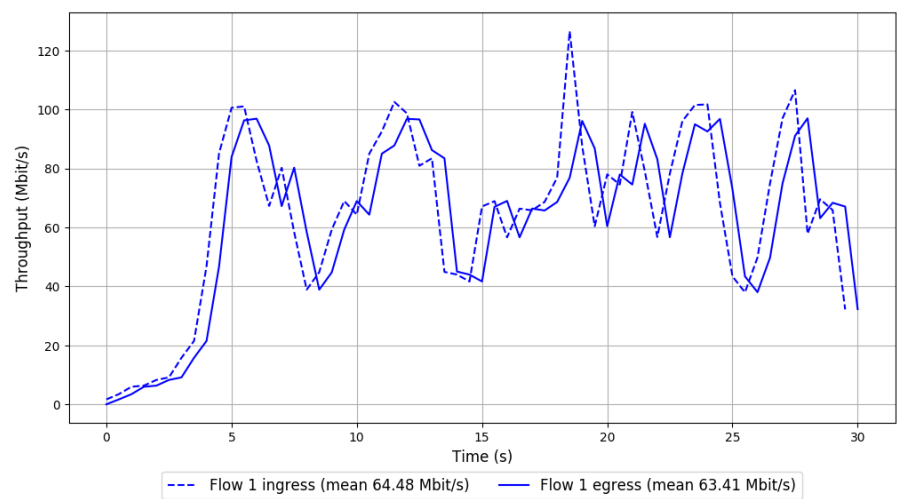


Run 6: Statistics of PCC-Vivace

Start at: 2018-08-21 20:35:18  
End at: 2018-08-21 20:35:48  
Local clock offset: -1.382 ms  
Remote clock offset: -2.123 ms

# Below is generated by plot.py at 2018-08-21 22:30:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 63.41 Mbit/s  
95th percentile per-packet one-way delay: 30.503 ms  
Loss rate: 1.65%  
-- Flow 1:  
Average throughput: 63.41 Mbit/s  
95th percentile per-packet one-way delay: 30.503 ms  
Loss rate: 1.65%

Run 6: Report of PCC-Vivace — Data Link

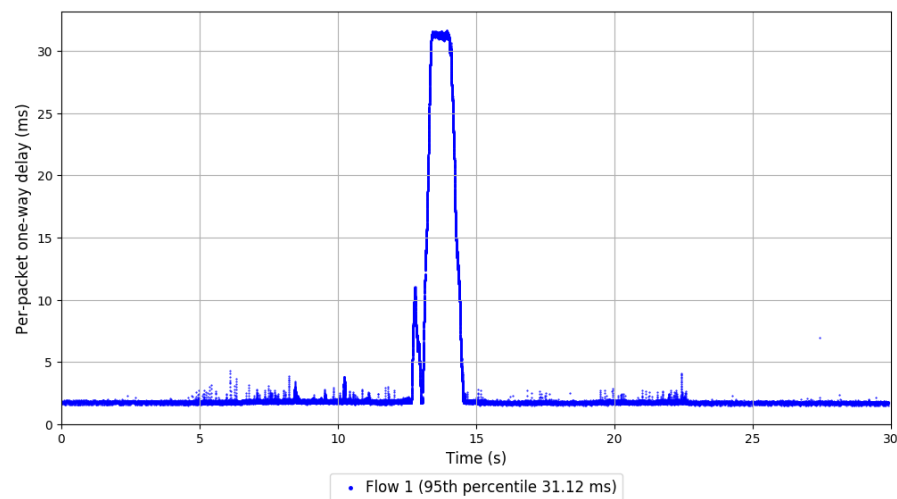
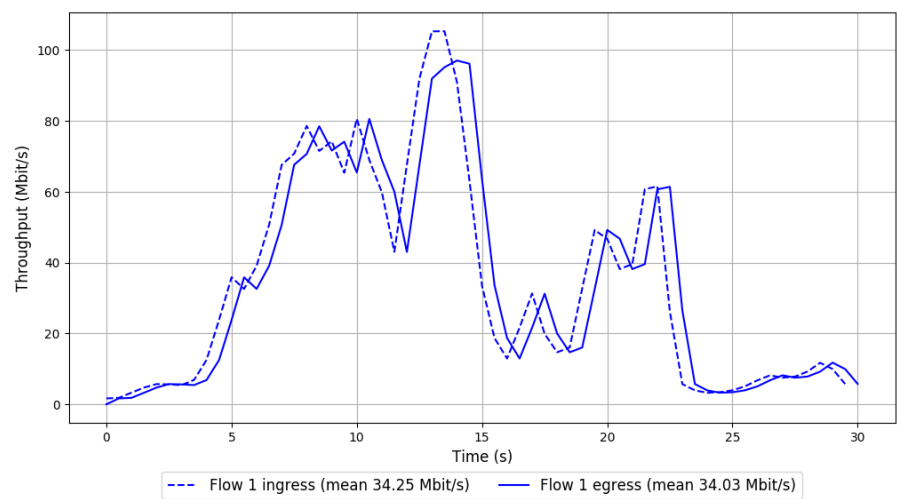


Run 7: Statistics of PCC-Vivace

Start at: 2018-08-21 20:54:13  
End at: 2018-08-21 20:54:43  
Local clock offset: -6.282 ms  
Remote clock offset: -2.419 ms

# Below is generated by plot.py at 2018-08-21 22:30:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 34.03 Mbit/s  
95th percentile per-packet one-way delay: 31.122 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 34.03 Mbit/s  
95th percentile per-packet one-way delay: 31.122 ms  
Loss rate: 0.62%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-08-21 21:13:16

End at: 2018-08-21 21:13:46

Local clock offset: -6.857 ms

Remote clock offset: 6.426 ms

# Below is generated by plot.py at 2018-08-21 22:30:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 47.56 Mbit/s

95th percentile per-packet one-way delay: 31.952 ms

Loss rate: 1.01%

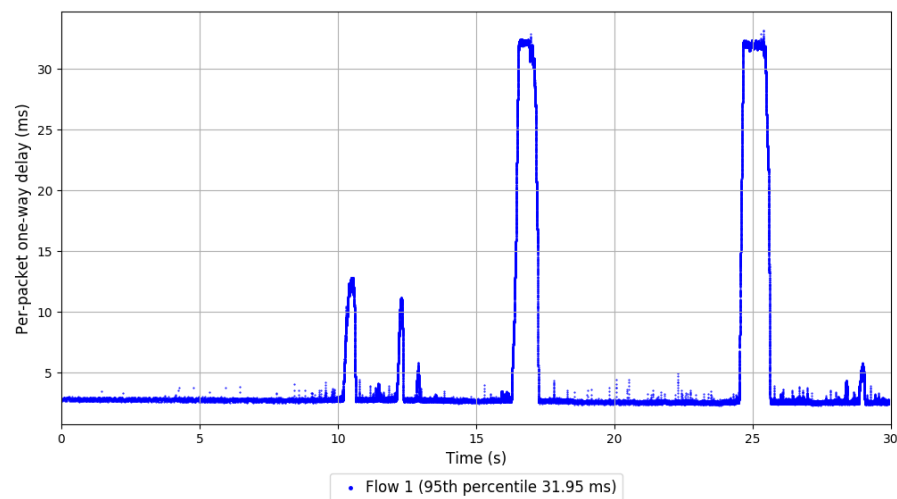
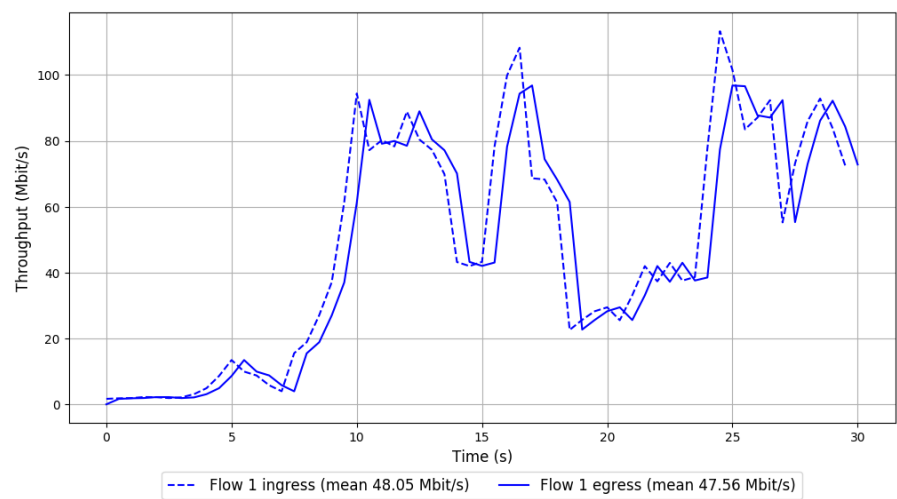
-- Flow 1:

Average throughput: 47.56 Mbit/s

95th percentile per-packet one-way delay: 31.952 ms

Loss rate: 1.01%

Run 8: Report of PCC-Vivace — Data Link

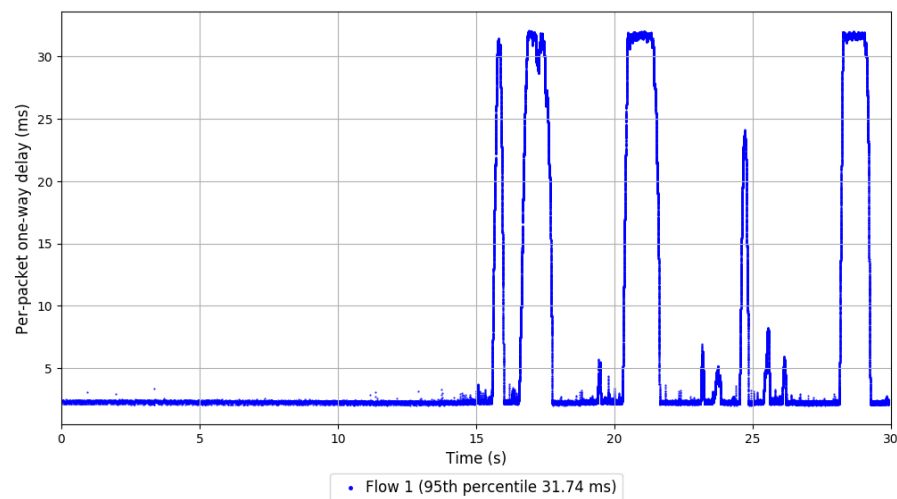
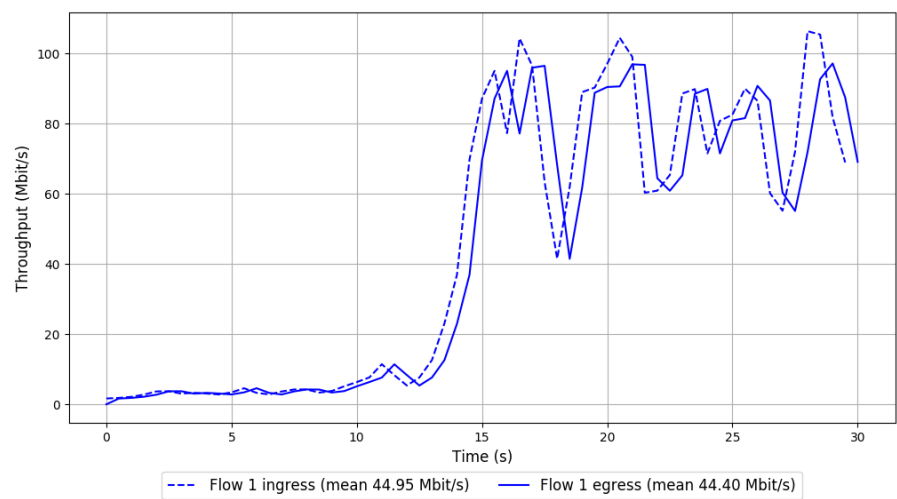


Run 9: Statistics of PCC-Vivace

Start at: 2018-08-21 21:32:13  
End at: 2018-08-21 21:32:43  
Local clock offset: -6.127 ms  
Remote clock offset: 16.329 ms

# Below is generated by plot.py at 2018-08-21 22:30:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 44.40 Mbit/s  
95th percentile per-packet one-way delay: 31.737 ms  
Loss rate: 1.22%  
-- Flow 1:  
Average throughput: 44.40 Mbit/s  
95th percentile per-packet one-way delay: 31.737 ms  
Loss rate: 1.22%

Run 9: Report of PCC-Vivace — Data Link

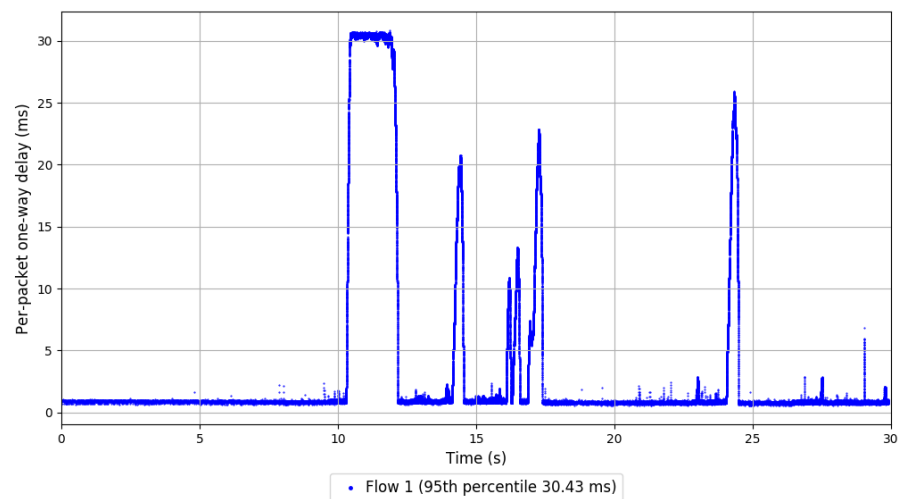
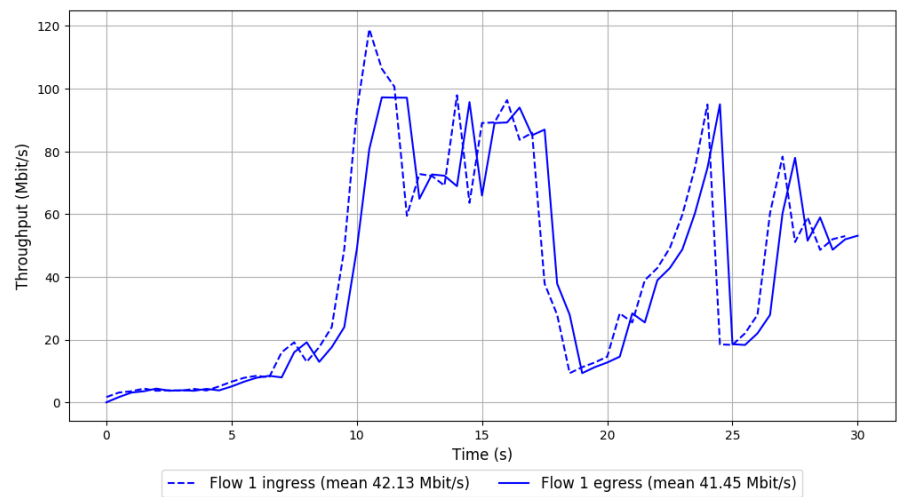


Run 10: Statistics of PCC-Vivace

Start at: 2018-08-21 21:51:13  
End at: 2018-08-21 21:51:43  
Local clock offset: -4.695 ms  
Remote clock offset: 22.035 ms

# Below is generated by plot.py at 2018-08-21 22:30:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 41.45 Mbit/s  
95th percentile per-packet one-way delay: 30.429 ms  
Loss rate: 1.63%  
-- Flow 1:  
Average throughput: 41.45 Mbit/s  
95th percentile per-packet one-way delay: 30.429 ms  
Loss rate: 1.63%

Run 10: Report of PCC-Vivace — Data Link

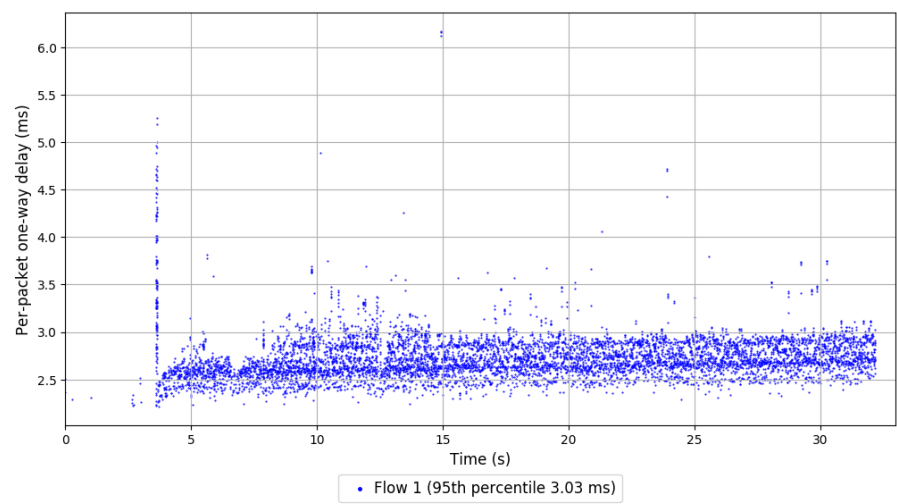
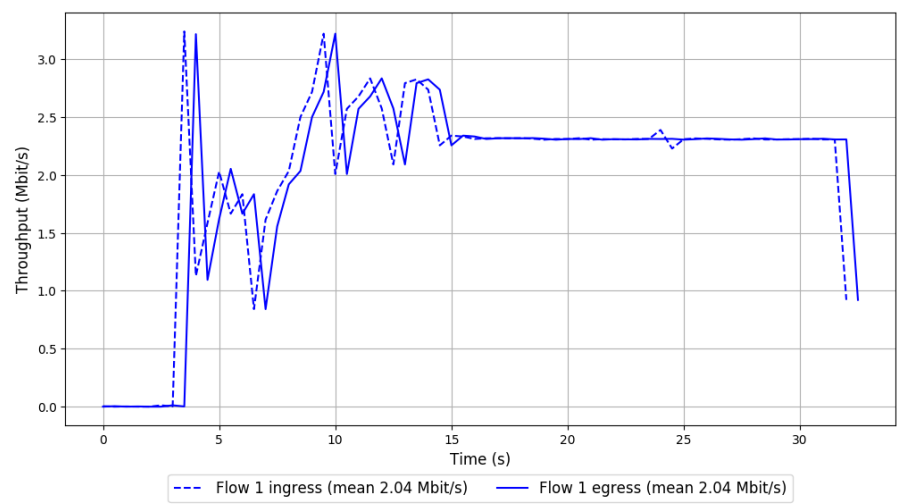


Run 1: Statistics of WebRTC media

Start at: 2018-08-21 19:01:25  
End at: 2018-08-21 19:01:55  
Local clock offset: 0.032 ms  
Remote clock offset: -6.487 ms

# Below is generated by plot.py at 2018-08-21 22:30:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.04 Mbit/s  
95th percentile per-packet one-way delay: 3.031 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.04 Mbit/s  
95th percentile per-packet one-way delay: 3.031 ms  
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

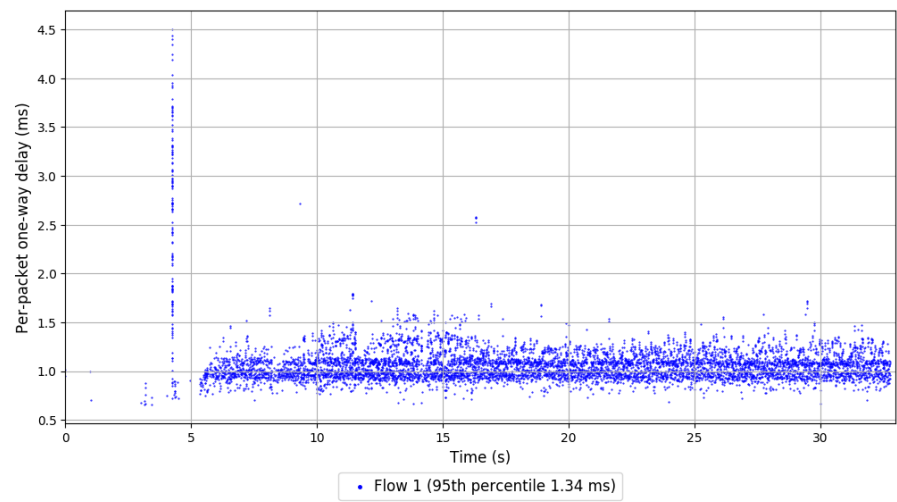
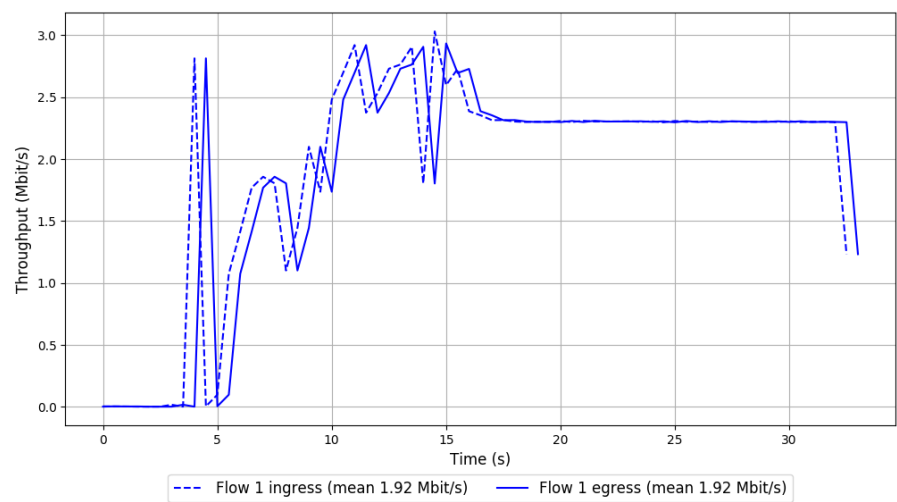


Run 2: Statistics of WebRTC media

Start at: 2018-08-21 19:20:23  
End at: 2018-08-21 19:20:53  
Local clock offset: -3.659 ms  
Remote clock offset: -8.442 ms

# Below is generated by plot.py at 2018-08-21 22:30:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.92 Mbit/s  
95th percentile per-packet one-way delay: 1.342 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.92 Mbit/s  
95th percentile per-packet one-way delay: 1.342 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

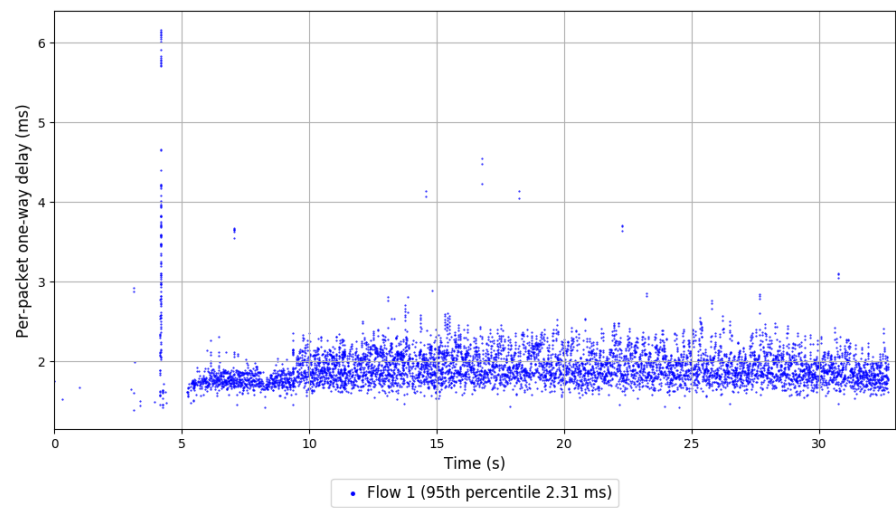
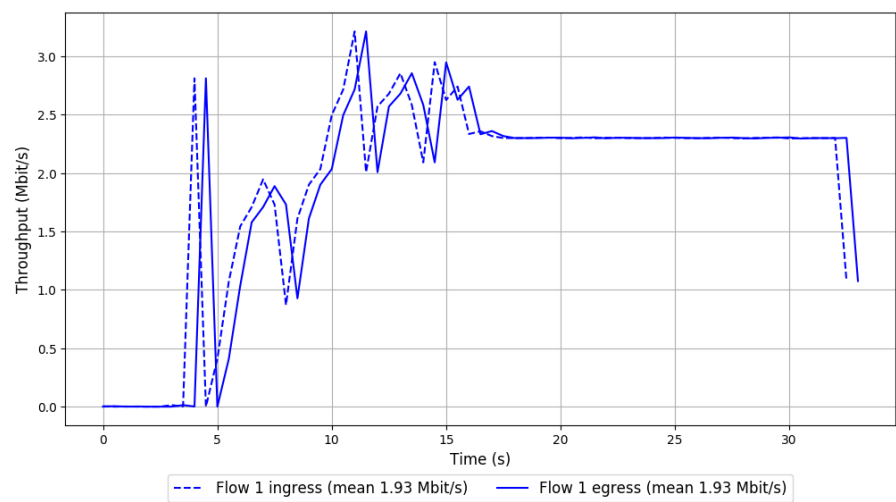


Run 3: Statistics of WebRTC media

Start at: 2018-08-21 19:39:23  
End at: 2018-08-21 19:39:53  
Local clock offset: -4.884 ms  
Remote clock offset: -3.478 ms

# Below is generated by plot.py at 2018-08-21 22:30:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.93 Mbit/s  
95th percentile per-packet one-way delay: 2.314 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.93 Mbit/s  
95th percentile per-packet one-way delay: 2.314 ms  
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

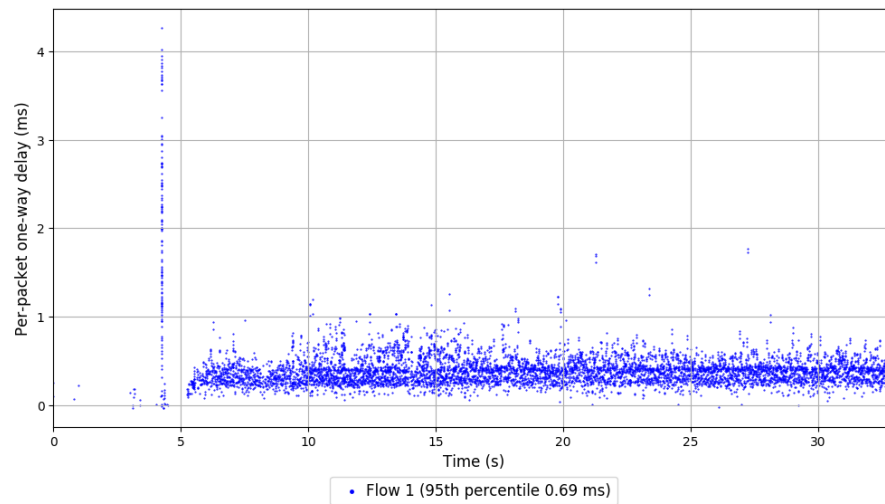
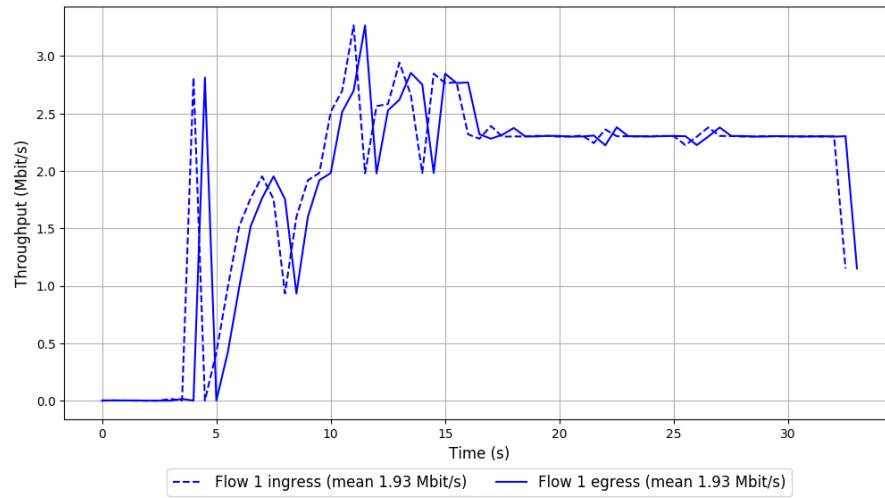


Run 4: Statistics of WebRTC media

Start at: 2018-08-21 19:58:24  
End at: 2018-08-21 19:58:54  
Local clock offset: -2.582 ms  
Remote clock offset: -2.249 ms

# Below is generated by plot.py at 2018-08-21 22:30:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.93 Mbit/s  
95th percentile per-packet one-way delay: 0.690 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.93 Mbit/s  
95th percentile per-packet one-way delay: 0.690 ms  
Loss rate: 0.00%

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

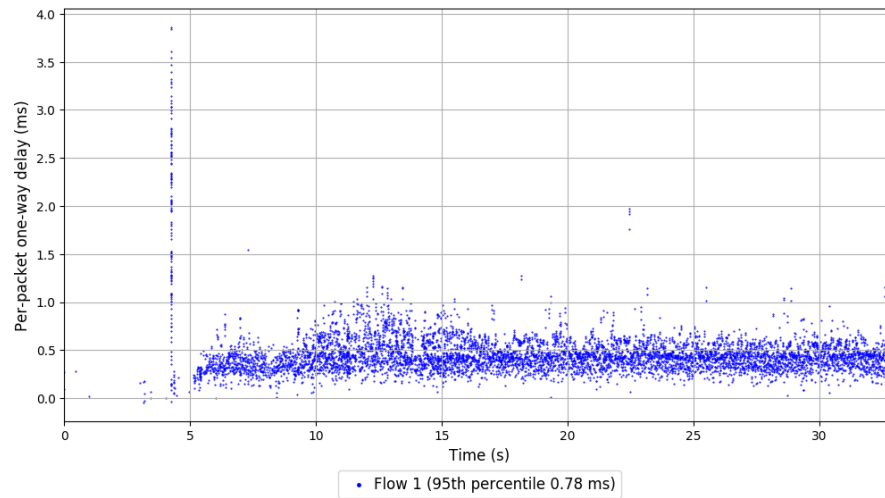
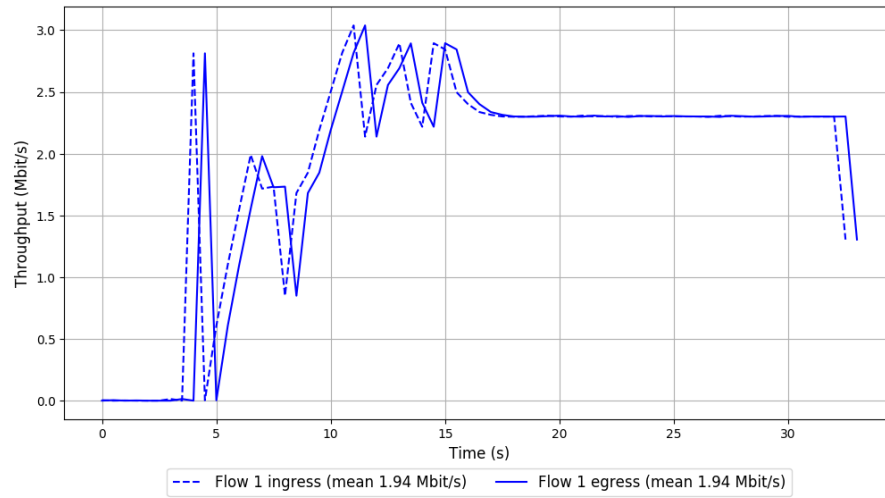


Run 5: Statistics of WebRTC media

Start at: 2018-08-21 20:17:26  
End at: 2018-08-21 20:17:56  
Local clock offset: -1.46 ms  
Remote clock offset: -1.983 ms

# Below is generated by plot.py at 2018-08-21 22:30:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.94 Mbit/s  
95th percentile per-packet one-way delay: 0.775 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.94 Mbit/s  
95th percentile per-packet one-way delay: 0.775 ms  
Loss rate: 0.00%

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

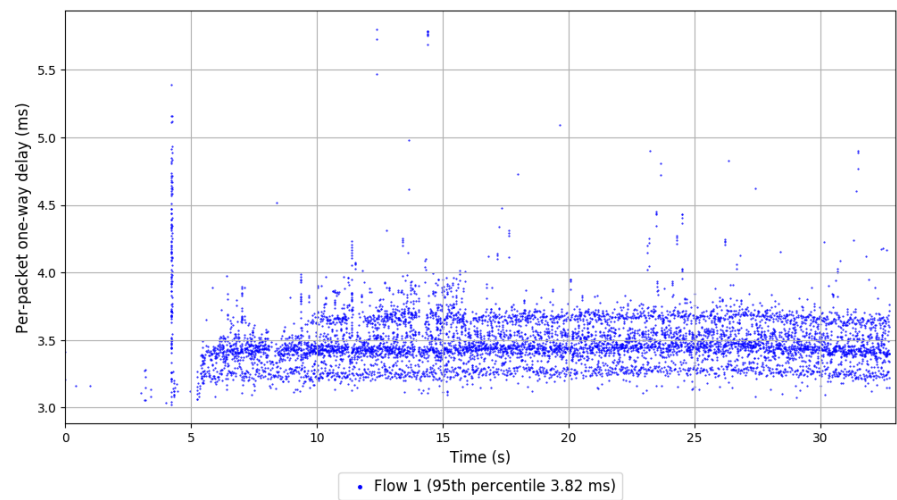
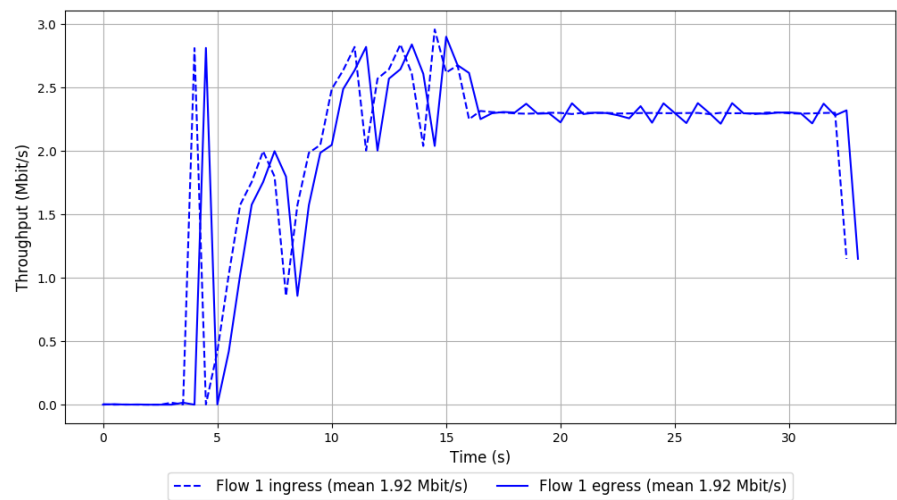


Run 6: Statistics of WebRTC media

Start at: 2018-08-21 20:36:25  
End at: 2018-08-21 20:36:55  
Local clock offset: -2.121 ms  
Remote clock offset: -2.118 ms

# Below is generated by plot.py at 2018-08-21 22:30:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.92 Mbit/s  
95th percentile per-packet one-way delay: 3.817 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.92 Mbit/s  
95th percentile per-packet one-way delay: 3.817 ms  
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-08-21 20:55:18

End at: 2018-08-21 20:55:48

Local clock offset: -5.593 ms

Remote clock offset: -2.58 ms

# Below is generated by plot.py at 2018-08-21 22:30:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 3.002 ms

Loss rate: 0.00%

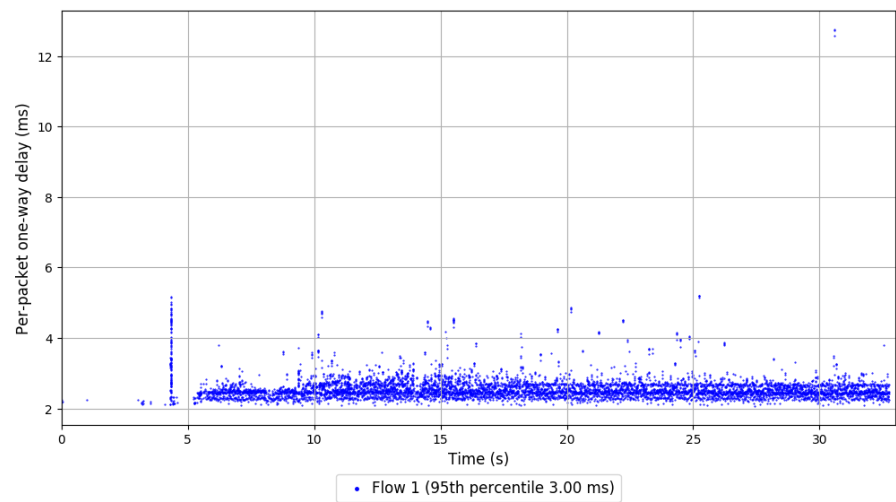
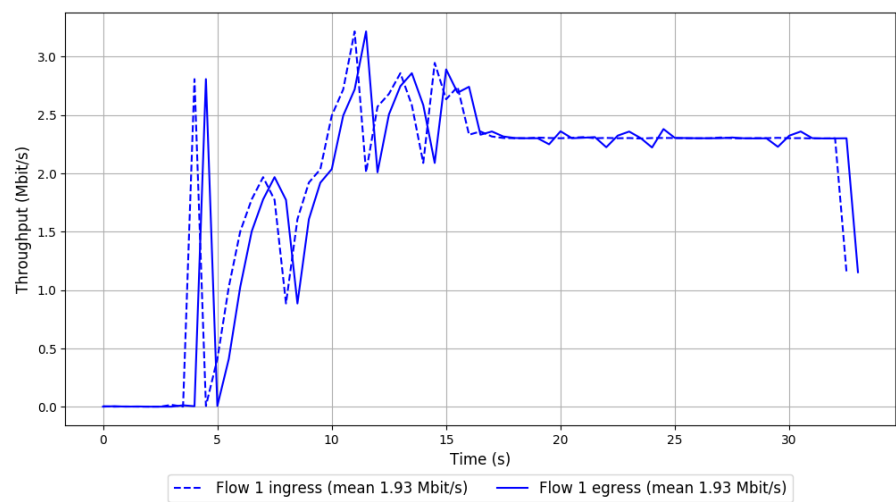
-- Flow 1:

Average throughput: 1.93 Mbit/s

95th percentile per-packet one-way delay: 3.002 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-08-21 21:14:23

End at: 2018-08-21 21:14:53

Local clock offset: -6.08 ms

Remote clock offset: 7.411 ms

# Below is generated by plot.py at 2018-08-21 22:30:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 2.958 ms

Loss rate: 0.00%

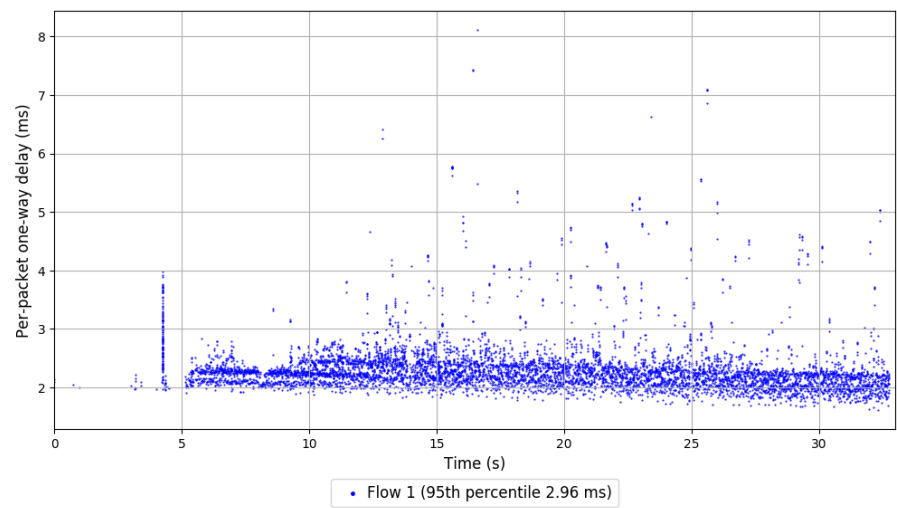
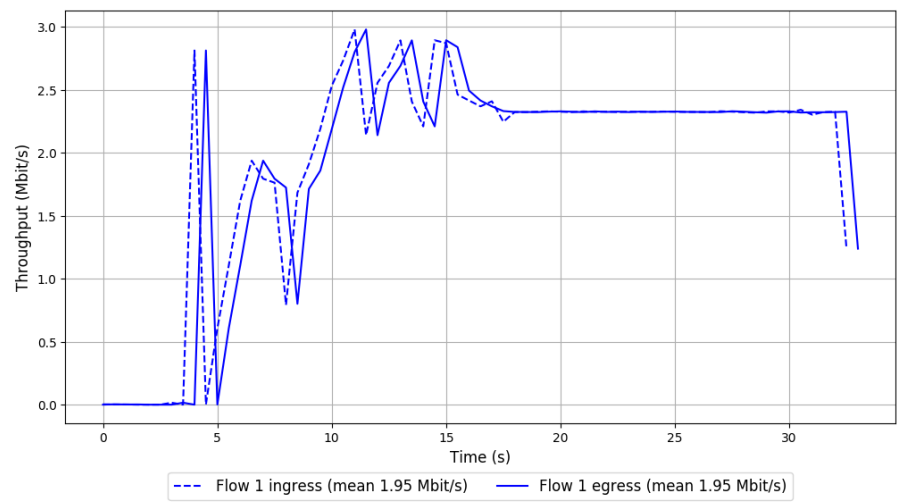
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 2.958 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link

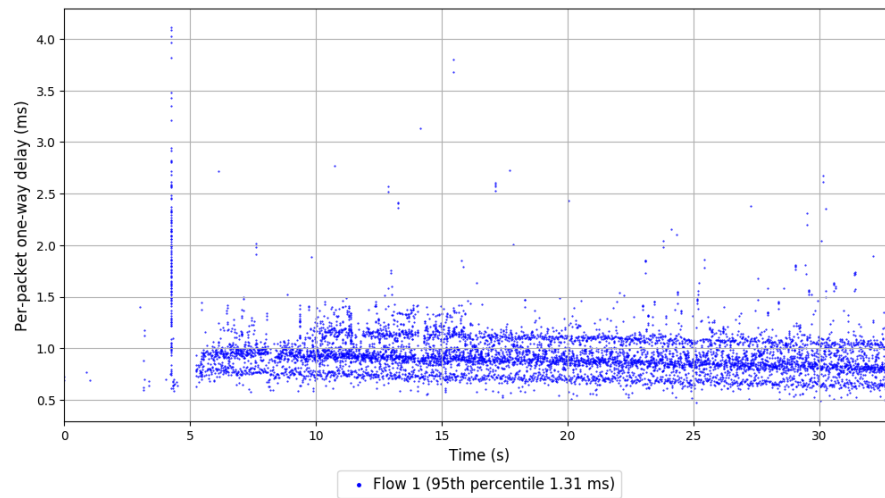
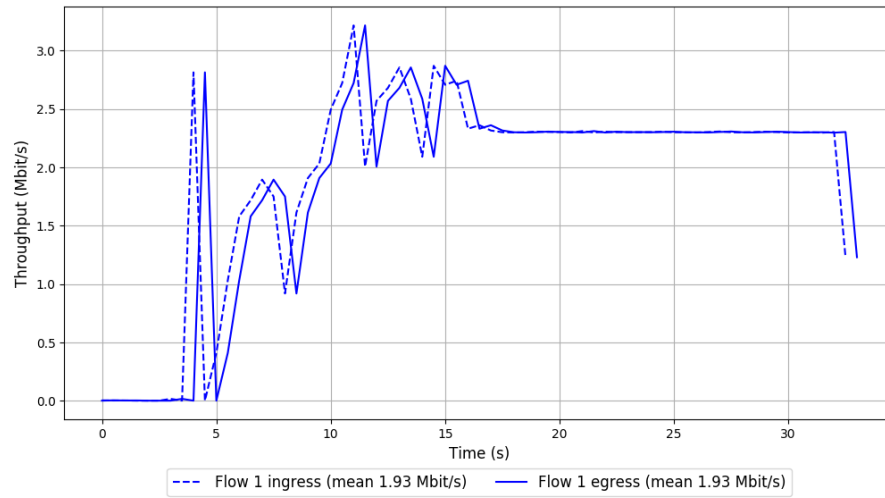


Run 9: Statistics of WebRTC media

Start at: 2018-08-21 21:33:19  
End at: 2018-08-21 21:33:49  
Local clock offset: -6.146 ms  
Remote clock offset: 16.658 ms

# Below is generated by plot.py at 2018-08-21 22:30:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.93 Mbit/s  
95th percentile per-packet one-way delay: 1.310 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.93 Mbit/s  
95th percentile per-packet one-way delay: 1.310 ms  
Loss rate: 0.00%

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



Run 10: Statistics of WebRTC media

Start at: 2018-08-21 21:52:19  
End at: 2018-08-21 21:52:49  
Local clock offset: -3.873 ms  
Remote clock offset: 22.399 ms

# Below is generated by plot.py at 2018-08-21 22:30:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.92 Mbit/s  
95th percentile per-packet one-way delay: 2.186 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.92 Mbit/s  
95th percentile per-packet one-way delay: 2.186 ms  
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

