

## Pantheon Report

Generated at 2018-04-10 17:03:57 (UTC).

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

Repeated the test of 17 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

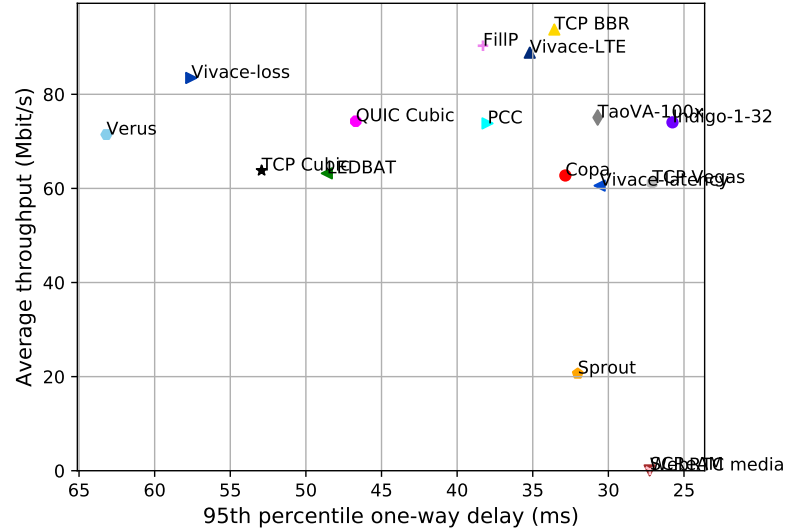
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

NTP offsets were measured against **nets.org.sg** and have been applied to correct the timestamps in logs.

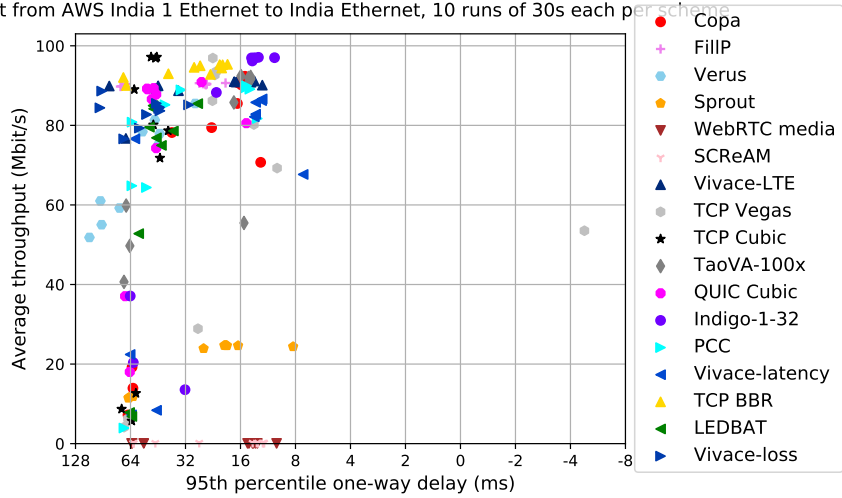
Git summary:

```
branch: master @ eb420b5be9bafccd22cf68b99ff5a2000462fc59
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ 9249eea3238475c4d8cca1443d28df70bff6c4a2
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581
```

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



test from AWS India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme



| scheme         | # runs | mean avg tput (Mbit/s)<br>flow 1 | mean 95th-%ile delay (ms)<br>flow 1 | mean loss rate (%)<br>flow 1 |
|----------------|--------|----------------------------------|-------------------------------------|------------------------------|
| TCP BBR        | 10     | 93.77                            | 33.57                               | 0.33                         |
| TCP Cubic      | 10     | 63.80                            | 52.93                               | 0.32                         |
| LEDBAT         | 10     | 63.20                            | 48.62                               | 0.14                         |
| PCC            | 10     | 73.82                            | 37.99                               | 0.58                         |
| QUIC Cubic     | 10     | 74.28                            | 46.70                               | 0.25                         |
| SCReAM         | 10     | 0.20                             | 27.25                               | 0.04                         |
| WebRTC media   | 10     | 0.06                             | 27.27                               | 0.04                         |
| Sprout         | 10     | 20.65                            | 32.03                               | 0.09                         |
| TaoVA-100x     | 10     | 75.06                            | 30.71                               | 0.21                         |
| TCP Vegas      | 10     | 61.16                            | 27.10                               | 0.11                         |
| Verus          | 10     | 71.44                            | 63.19                               | 22.01                        |
| Copa           | 10     | 62.75                            | 32.84                               | 0.22                         |
| FillP          | 10     | 90.32                            | 38.29                               | 1.49                         |
| Indigo-1-32    | 10     | 74.04                            | 25.76                               | 0.05                         |
| Vivace-latency | 10     | 60.59                            | 30.58                               | 0.13                         |
| Vivace-loss    | 10     | 83.48                            | 57.58                               | 8.16                         |
| Vivace-LTE     | 10     | 88.86                            | 35.20                               | 0.56                         |

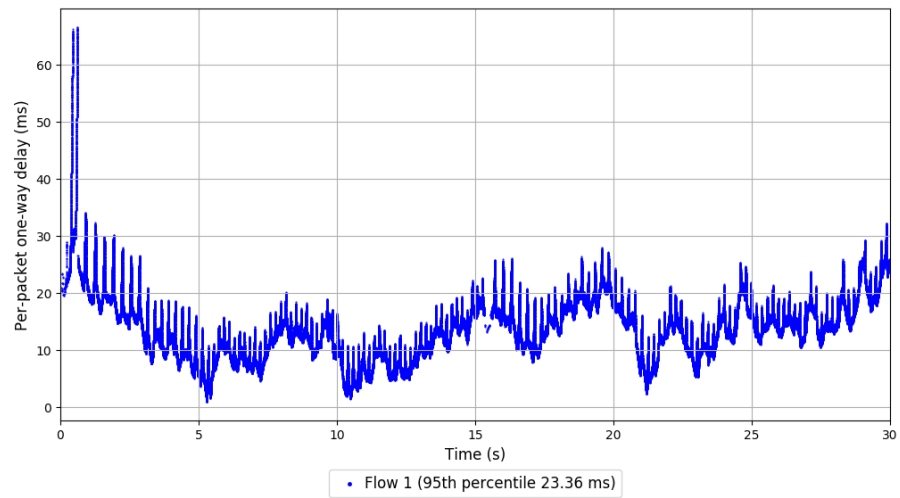
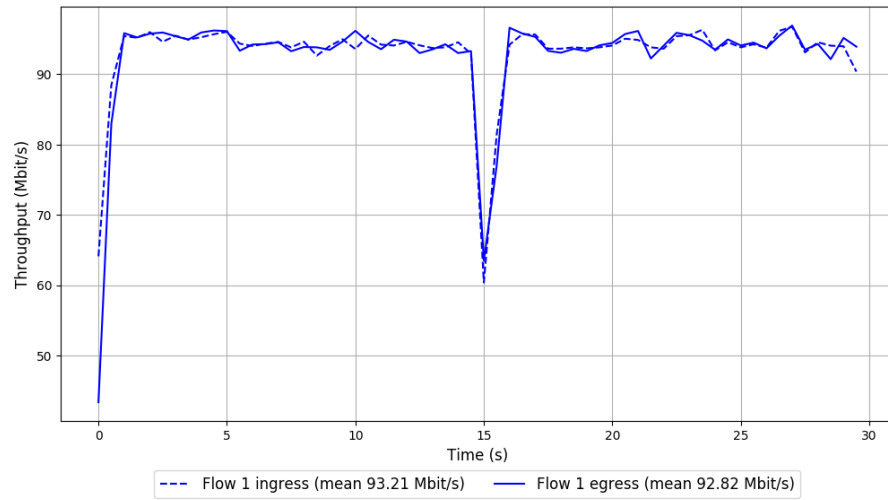
Run 1: Statistics of TCP BBR

Start at: 2018-04-10 12:46:38  
End at: 2018-04-10 12:47:08  
Local clock offset: 0.516 ms  
Remote clock offset: -11.033 ms

# Below is generated by plot.py at 2018-04-10 16:41:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.82 Mbit/s  
95th percentile per-packet one-way delay: 23.358 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 92.82 Mbit/s  
95th percentile per-packet one-way delay: 23.358 ms  
Loss rate: 0.40%



# Run 1: Report of TCP BBR — Data Link

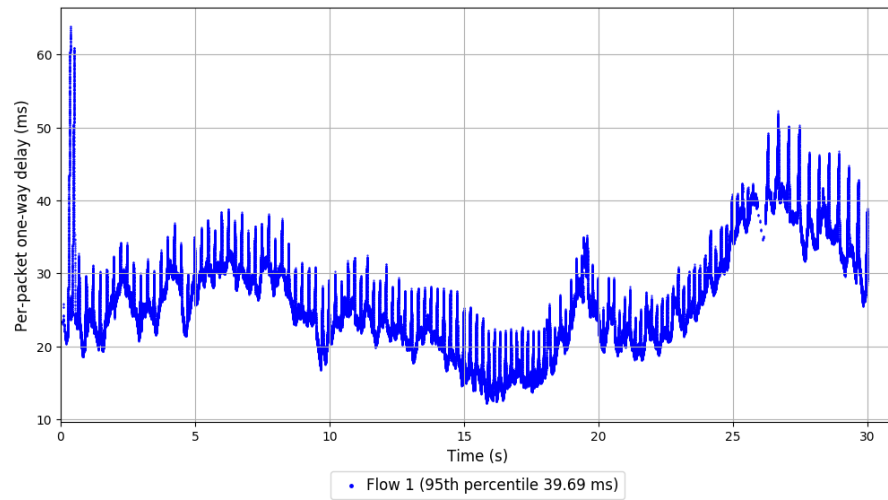
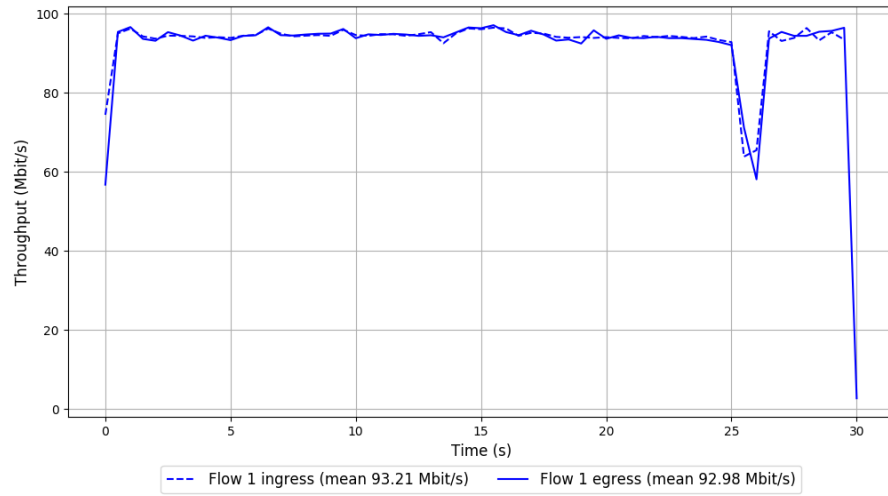


Run 2: Statistics of TCP BBR

Start at: 2018-04-10 13:07:58  
End at: 2018-04-10 13:08:28  
Local clock offset: -0.218 ms  
Remote clock offset: -7.273 ms

# Below is generated by plot.py at 2018-04-10 16:41:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.98 Mbit/s  
95th percentile per-packet one-way delay: 39.691 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 92.98 Mbit/s  
95th percentile per-packet one-way delay: 39.691 ms  
Loss rate: 0.23%

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

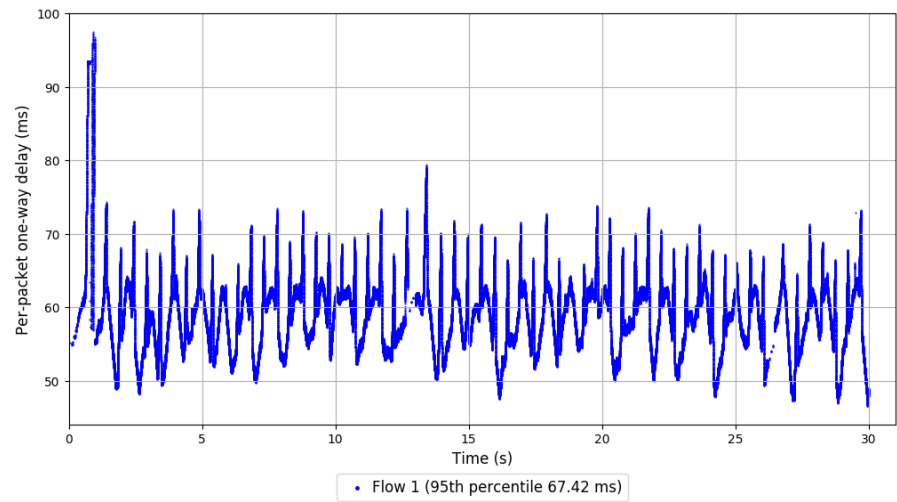
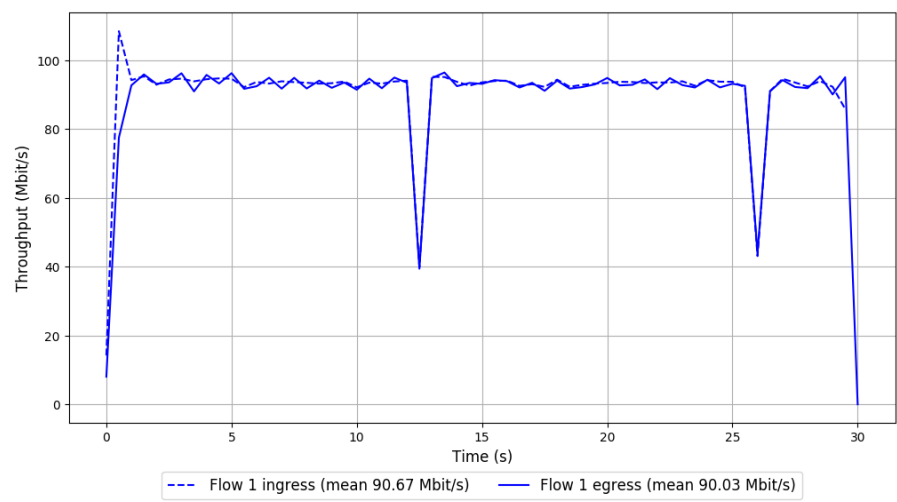


Run 3: Statistics of TCP BBR

Start at: 2018-04-10 13:30:15  
End at: 2018-04-10 13:30:45  
Local clock offset: 0.426 ms  
Remote clock offset: -2.802 ms

# Below is generated by plot.py at 2018-04-10 16:41:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.03 Mbit/s  
95th percentile per-packet one-way delay: 67.416 ms  
Loss rate: 0.77%  
-- Flow 1:  
Average throughput: 90.03 Mbit/s  
95th percentile per-packet one-way delay: 67.416 ms  
Loss rate: 0.77%

Run 3: Report of TCP BBR — Data Link

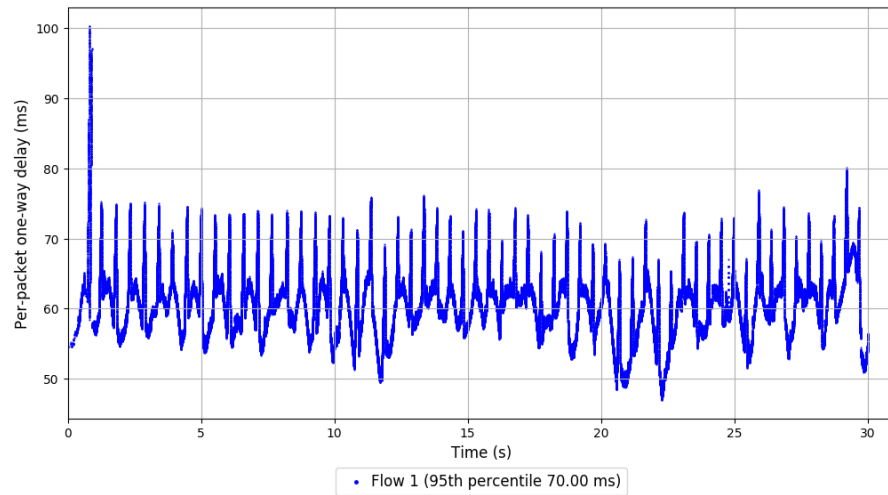
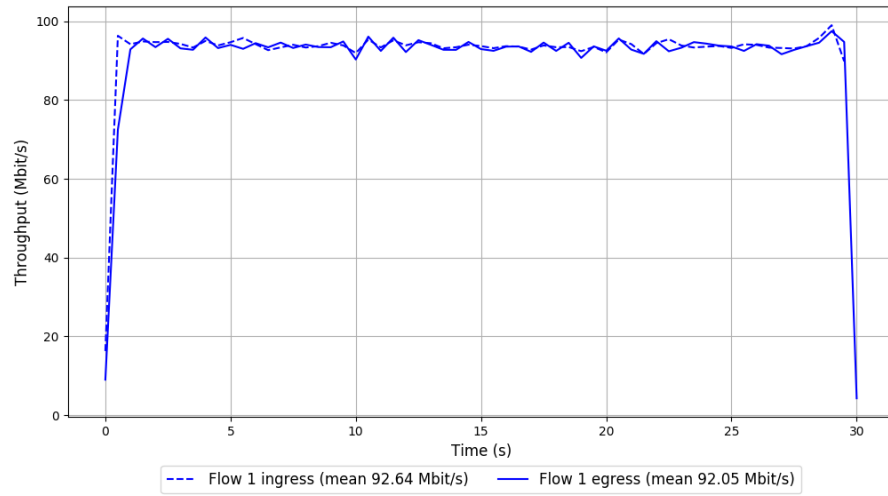


Run 4: Statistics of TCP BBR

Start at: 2018-04-10 13:51:36  
End at: 2018-04-10 13:52:06  
Local clock offset: 1.237 ms  
Remote clock offset: 15.613 ms

# Below is generated by plot.py at 2018-04-10 16:41:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.05 Mbit/s  
95th percentile per-packet one-way delay: 69.999 ms  
Loss rate: 0.70%  
-- Flow 1:  
Average throughput: 92.05 Mbit/s  
95th percentile per-packet one-way delay: 69.999 ms  
Loss rate: 0.70%

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



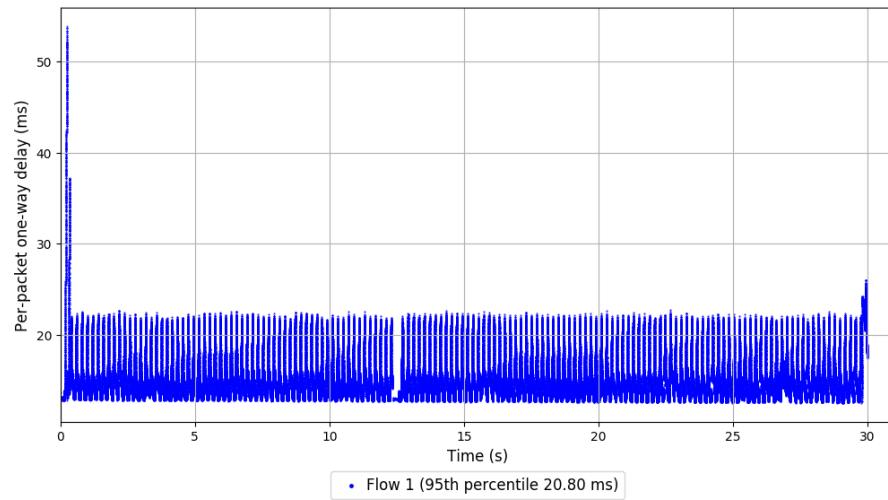
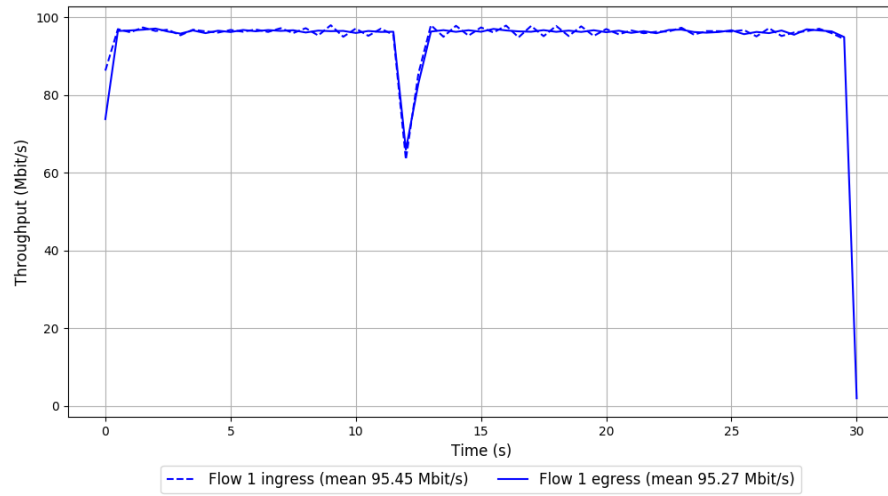
Run 5: Statistics of TCP BBR

Start at: 2018-04-10 14:13:00  
End at: 2018-04-10 14:13:30  
Local clock offset: 0.207 ms  
Remote clock offset: 28.326 ms

# Below is generated by plot.py at 2018-04-10 16:41:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.27 Mbit/s  
95th percentile per-packet one-way delay: 20.799 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 95.27 Mbit/s  
95th percentile per-packet one-way delay: 20.799 ms  
Loss rate: 0.17%



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

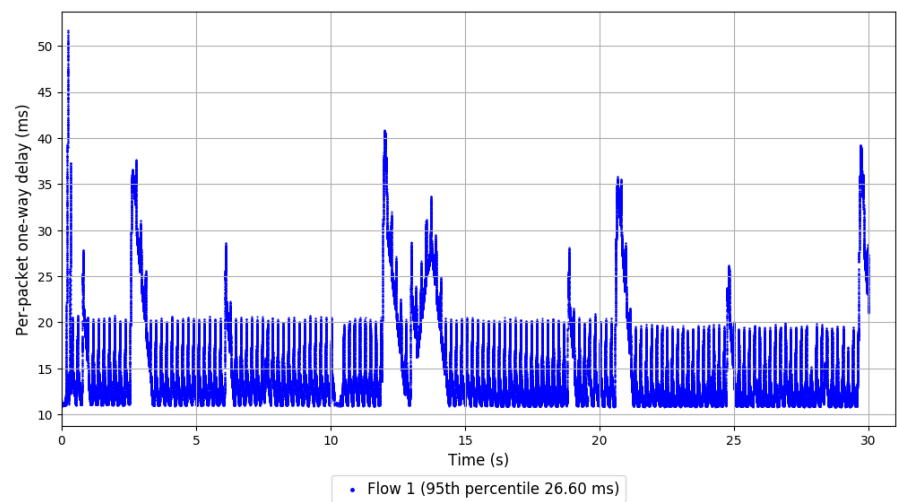
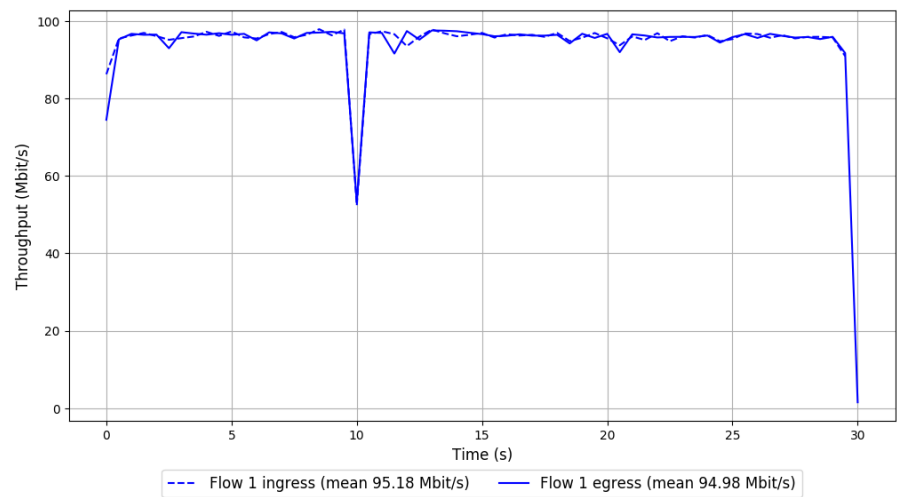


Run 6: Statistics of TCP BBR

Start at: 2018-04-10 14:33:58  
End at: 2018-04-10 14:34:28  
Local clock offset: -1.258 ms  
Remote clock offset: 31.308 ms

# Below is generated by plot.py at 2018-04-10 16:41:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.98 Mbit/s  
95th percentile per-packet one-way delay: 26.602 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 94.98 Mbit/s  
95th percentile per-packet one-way delay: 26.602 ms  
Loss rate: 0.18%

Run 6: Report of TCP BBR — Data Link

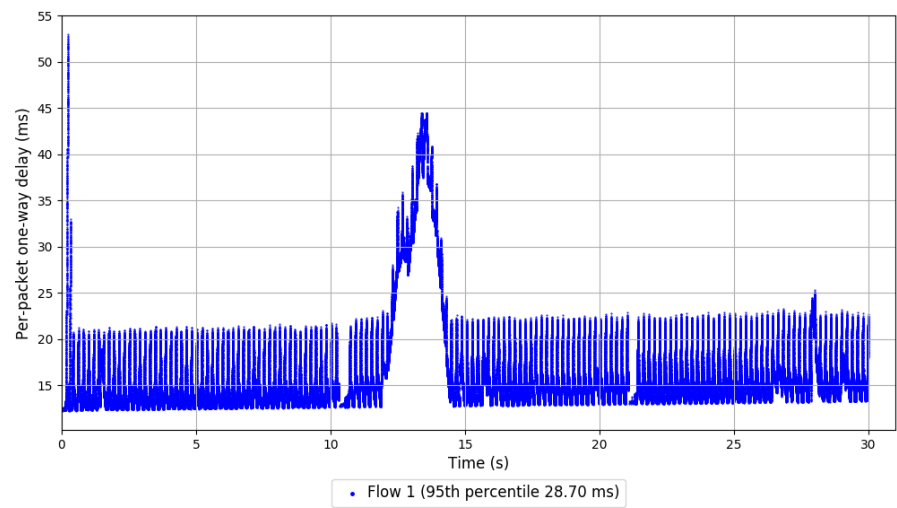
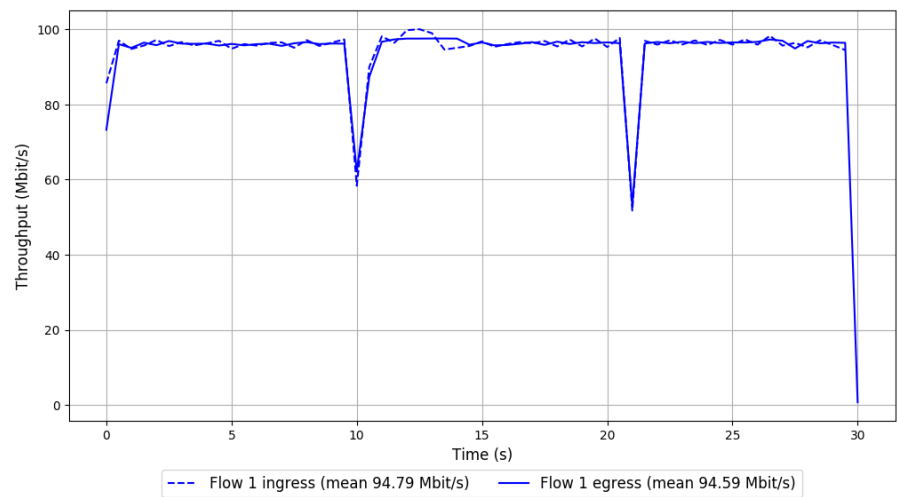


Run 7: Statistics of TCP BBR

Start at: 2018-04-10 14:55:58  
End at: 2018-04-10 14:56:28  
Local clock offset: -0.282 ms  
Remote clock offset: 13.728 ms

# Below is generated by plot.py at 2018-04-10 16:41:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.59 Mbit/s  
95th percentile per-packet one-way delay: 28.703 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 94.59 Mbit/s  
95th percentile per-packet one-way delay: 28.703 ms  
Loss rate: 0.19%

Run 7: Report of TCP BBR — Data Link

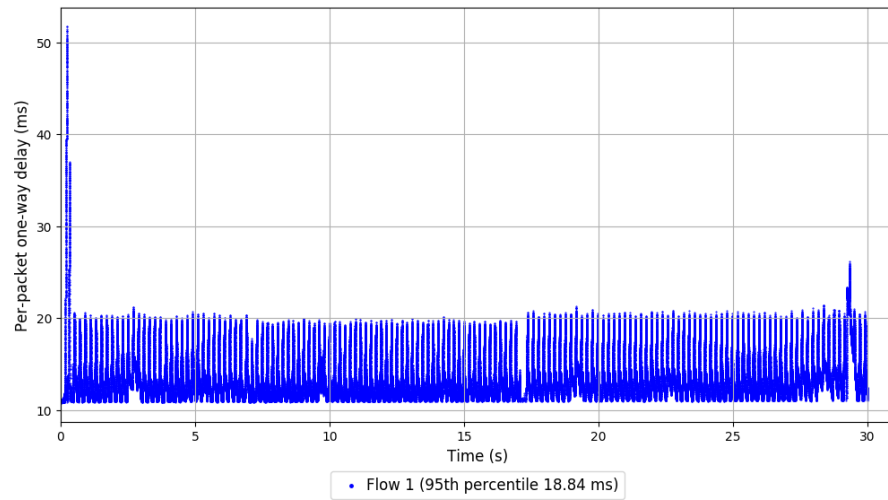
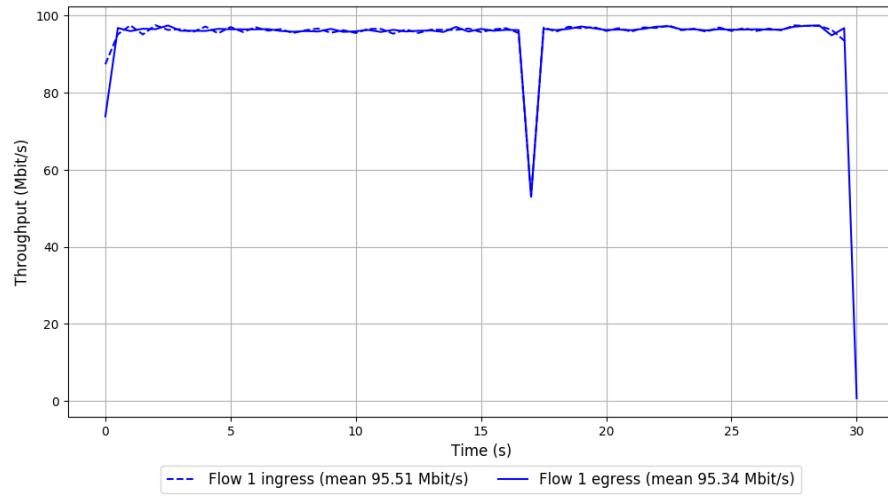


Run 8: Statistics of TCP BBR

Start at: 2018-04-10 15:17:59  
End at: 2018-04-10 15:18:29  
Local clock offset: 0.087 ms  
Remote clock offset: -6.444 ms

# Below is generated by plot.py at 2018-04-10 16:41:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.34 Mbit/s  
95th percentile per-packet one-way delay: 18.842 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 95.34 Mbit/s  
95th percentile per-packet one-way delay: 18.842 ms  
Loss rate: 0.17%

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



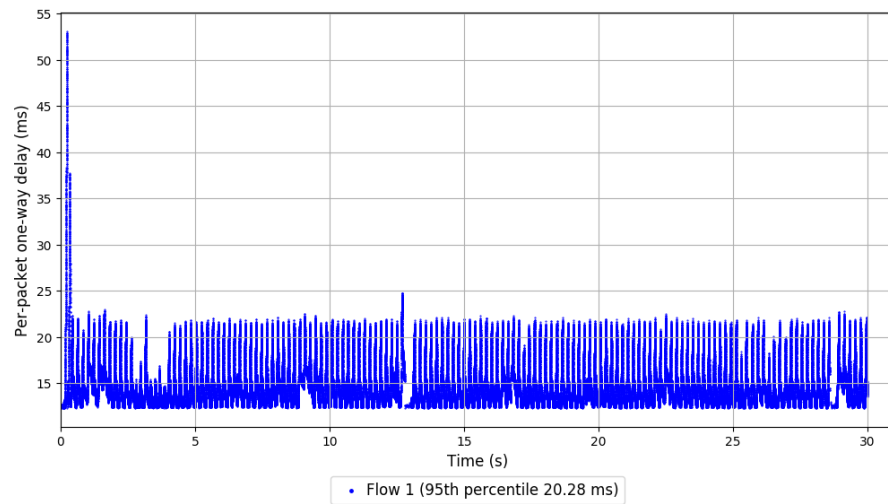
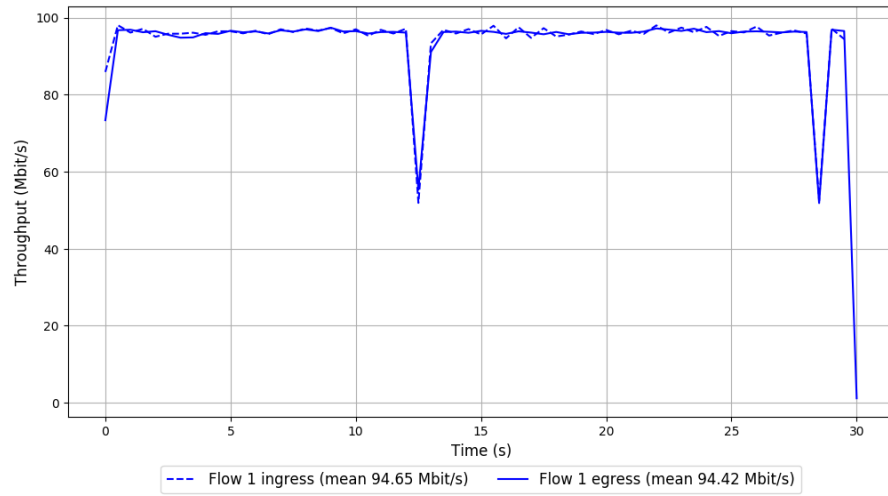
Run 9: Statistics of TCP BBR

Start at: 2018-04-10 15:39:37  
End at: 2018-04-10 15:40:07  
Local clock offset: 0.528 ms  
Remote clock offset: -2.467 ms

# Below is generated by plot.py at 2018-04-10 16:43:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.42 Mbit/s  
95th percentile per-packet one-way delay: 20.283 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 94.42 Mbit/s  
95th percentile per-packet one-way delay: 20.283 ms  
Loss rate: 0.23%



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

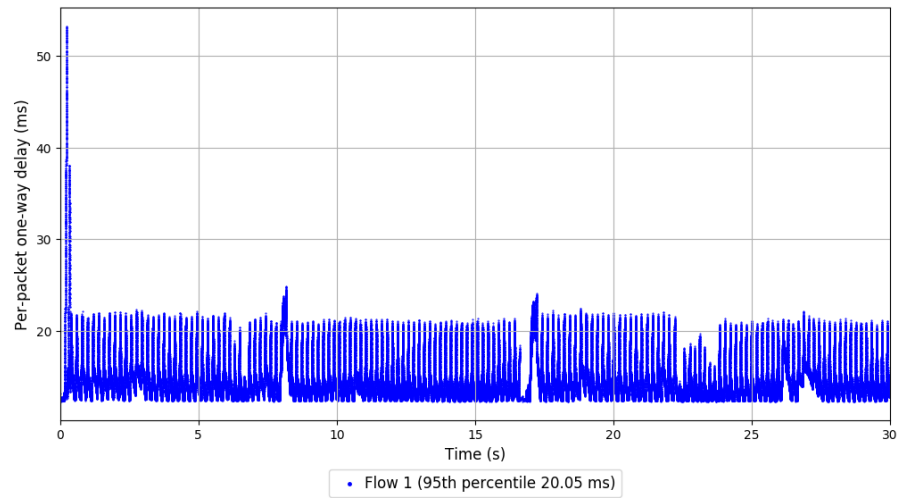
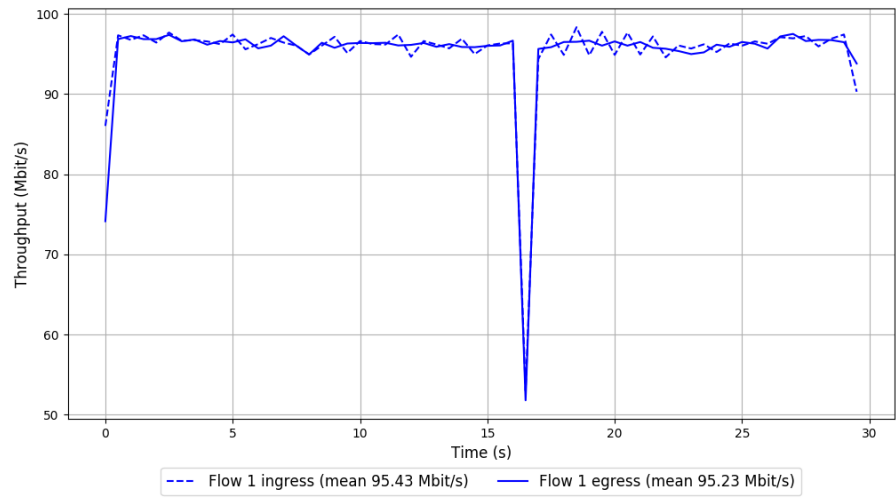


Run 10: Statistics of TCP BBR

Start at: 2018-04-10 16:02:12  
End at: 2018-04-10 16:02:42  
Local clock offset: 0.581 ms  
Remote clock offset: -1.693 ms

# Below is generated by plot.py at 2018-04-10 16:43:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.23 Mbit/s  
95th percentile per-packet one-way delay: 20.050 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 95.23 Mbit/s  
95th percentile per-packet one-way delay: 20.050 ms  
Loss rate: 0.21%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-10 12:38:09

End at: 2018-04-10 12:38:39

Local clock offset: 0.553 ms

Remote clock offset: 9.272 ms

# Below is generated by plot.py at 2018-04-10 16:43:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.02 Mbit/s

95th percentile per-packet one-way delay: 61.054 ms

Loss rate: 0.59%

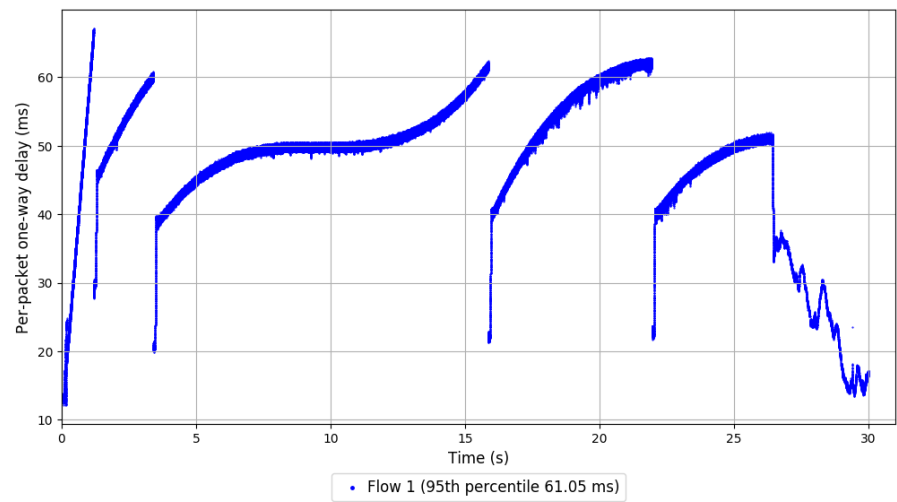
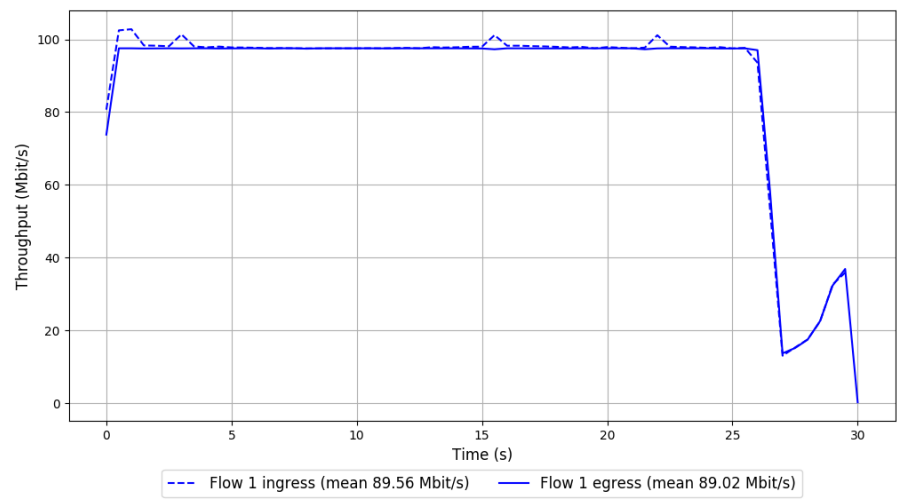
-- Flow 1:

Average throughput: 89.02 Mbit/s

95th percentile per-packet one-way delay: 61.054 ms

Loss rate: 0.59%

Run 1: Report of TCP Cubic — Data Link

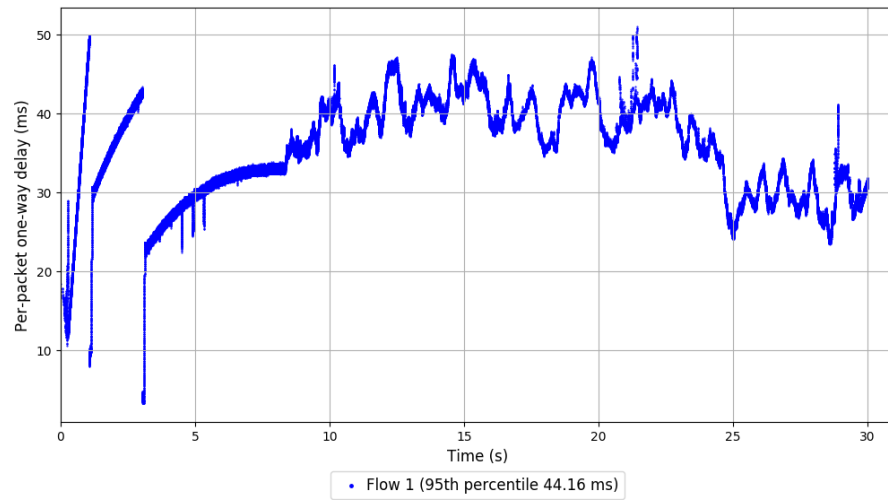
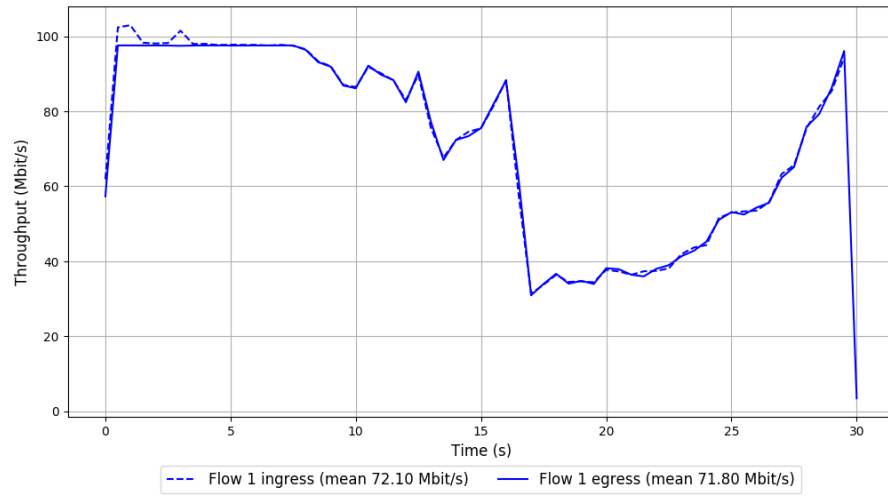


Run 2: Statistics of TCP Cubic

Start at: 2018-04-10 12:59:46  
End at: 2018-04-10 13:00:16  
Local clock offset: 1.382 ms  
Remote clock offset: -17.556 ms

# Below is generated by plot.py at 2018-04-10 16:43:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 71.80 Mbit/s  
95th percentile per-packet one-way delay: 44.159 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 71.80 Mbit/s  
95th percentile per-packet one-way delay: 44.159 ms  
Loss rate: 0.38%

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



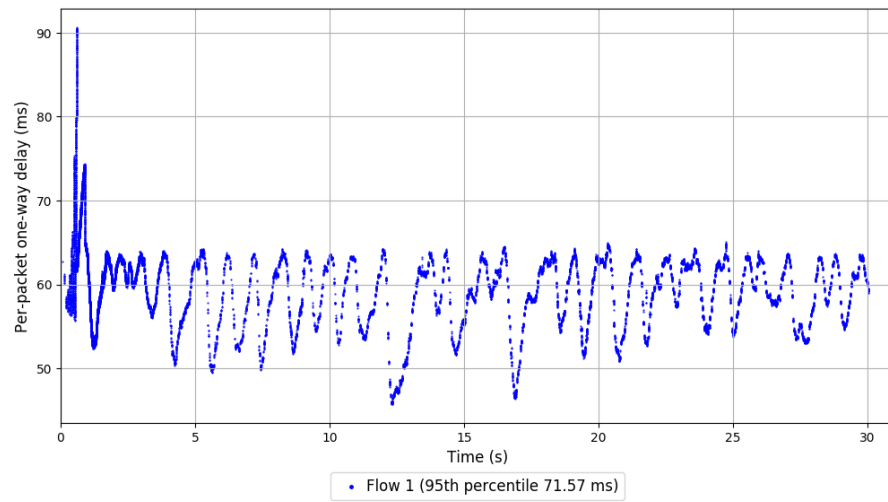
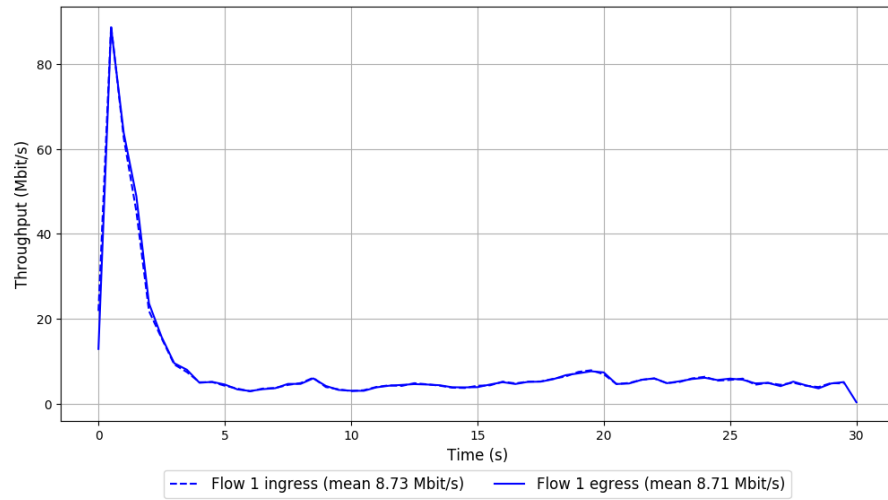
Run 3: Statistics of TCP Cubic

Start at: 2018-04-10 13:21:30  
End at: 2018-04-10 13:22:00  
Local clock offset: -0.104 ms  
Remote clock offset: -2.007 ms

# Below is generated by plot.py at 2018-04-10 16:43:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.71 Mbit/s  
95th percentile per-packet one-way delay: 71.573 ms  
Loss rate: 0.30%  
-- Flow 1:  
Average throughput: 8.71 Mbit/s  
95th percentile per-packet one-way delay: 71.573 ms  
Loss rate: 0.30%



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



Run 4: Statistics of TCP Cubic

Start at: 2018-04-10 13:43:14

End at: 2018-04-10 13:43:44

Local clock offset: 0.226 ms

Remote clock offset: 4.414 ms

# Below is generated by plot.py at 2018-04-10 16:43:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.71 Mbit/s

95th percentile per-packet one-way delay: 62.975 ms

Loss rate: 0.31%

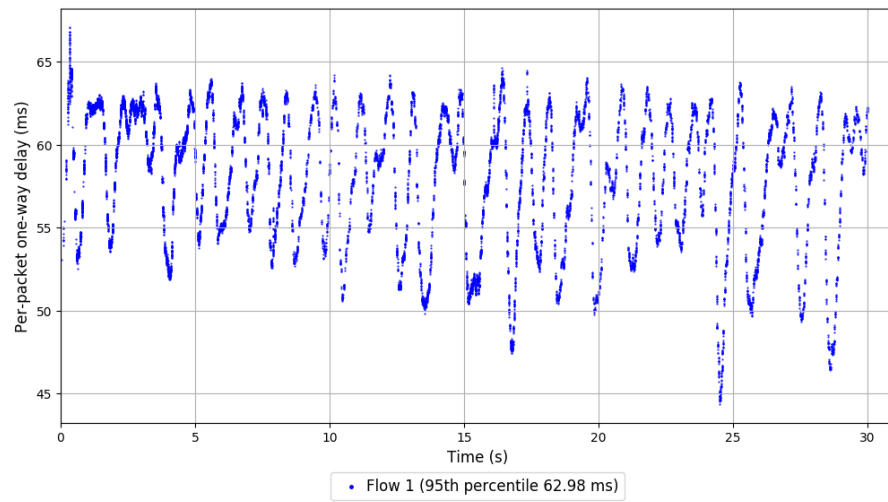
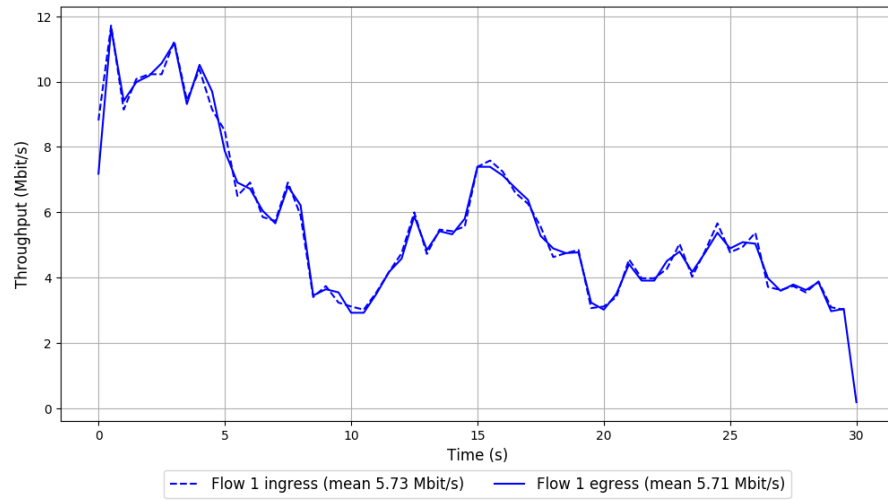
-- Flow 1:

Average throughput: 5.71 Mbit/s

95th percentile per-packet one-way delay: 62.975 ms

Loss rate: 0.31%

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

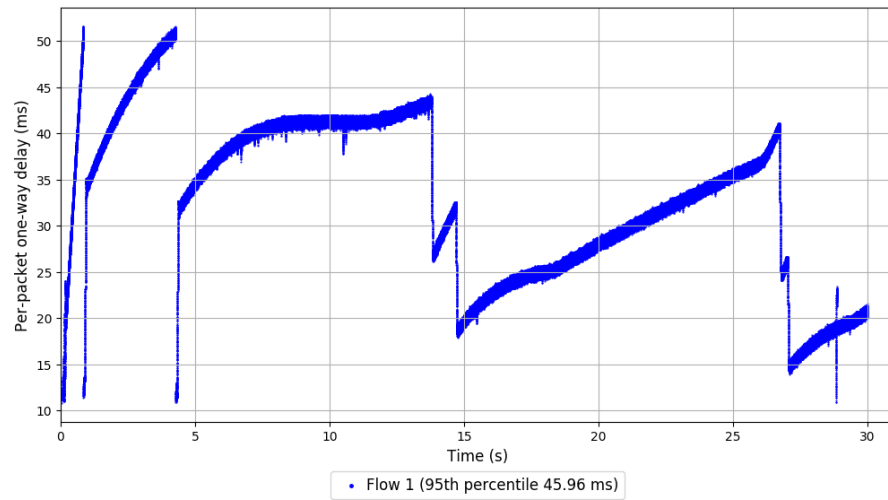
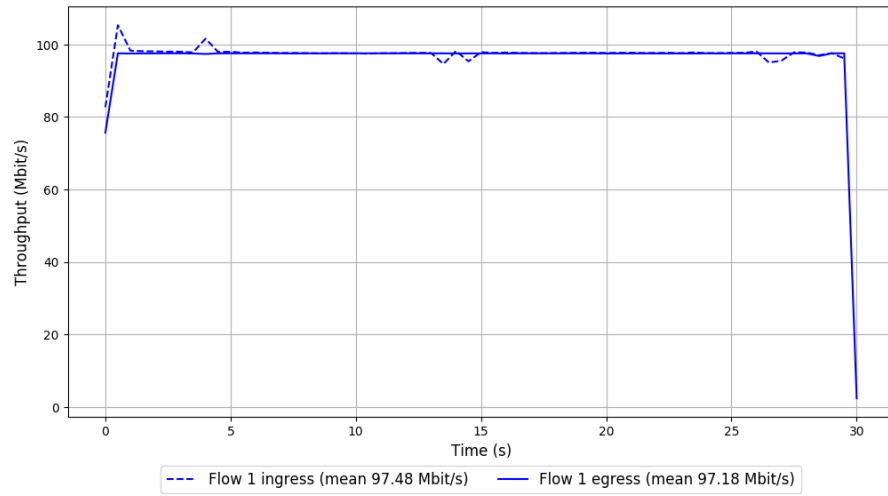


Run 5: Statistics of TCP Cubic

Start at: 2018-04-10 14:04:49  
End at: 2018-04-10 14:05:19  
Local clock offset: 1.685 ms  
Remote clock offset: 23.723 ms

# Below is generated by plot.py at 2018-04-10 16:43:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.18 Mbit/s  
95th percentile per-packet one-way delay: 45.958 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 97.18 Mbit/s  
95th percentile per-packet one-way delay: 45.958 ms  
Loss rate: 0.27%

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



Run 6: Statistics of TCP Cubic

Start at: 2018-04-10 14:25:39

End at: 2018-04-10 14:26:09

Local clock offset: -0.666 ms

Remote clock offset: 29.64 ms

# Below is generated by plot.py at 2018-04-10 16:43:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.67 Mbit/s

95th percentile per-packet one-way delay: 59.810 ms

Loss rate: 0.24%

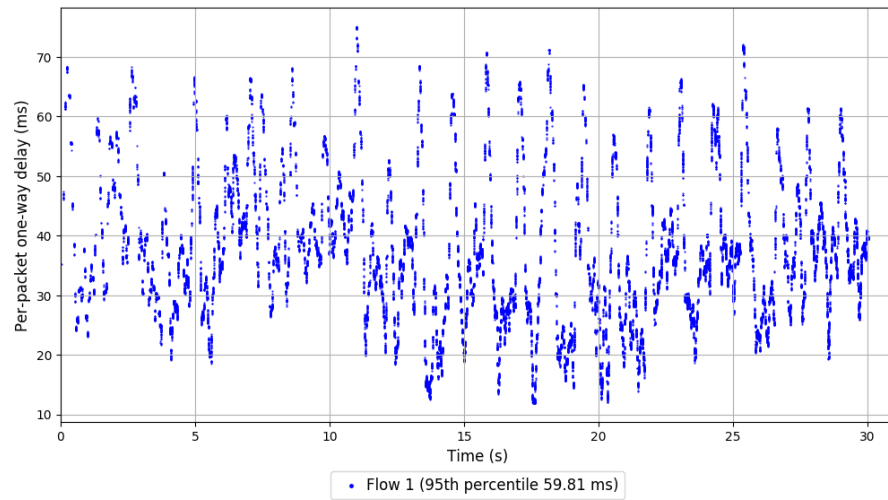
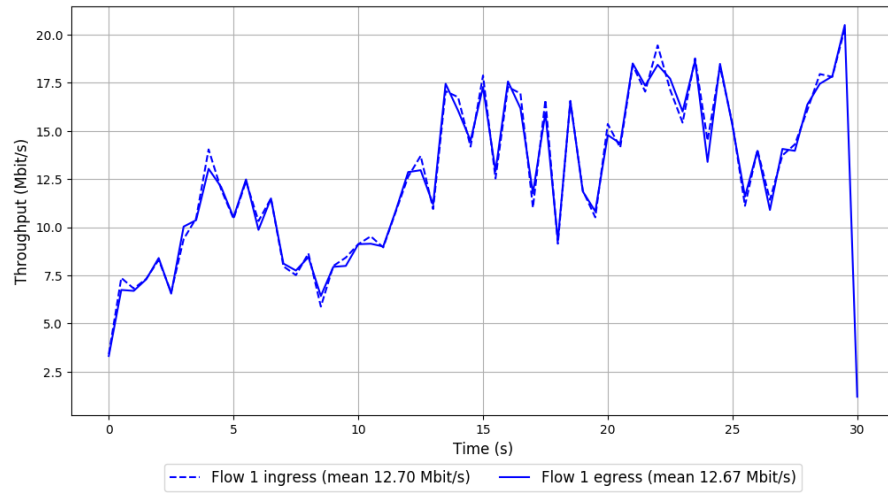
-- Flow 1:

Average throughput: 12.67 Mbit/s

95th percentile per-packet one-way delay: 59.810 ms

Loss rate: 0.24%

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



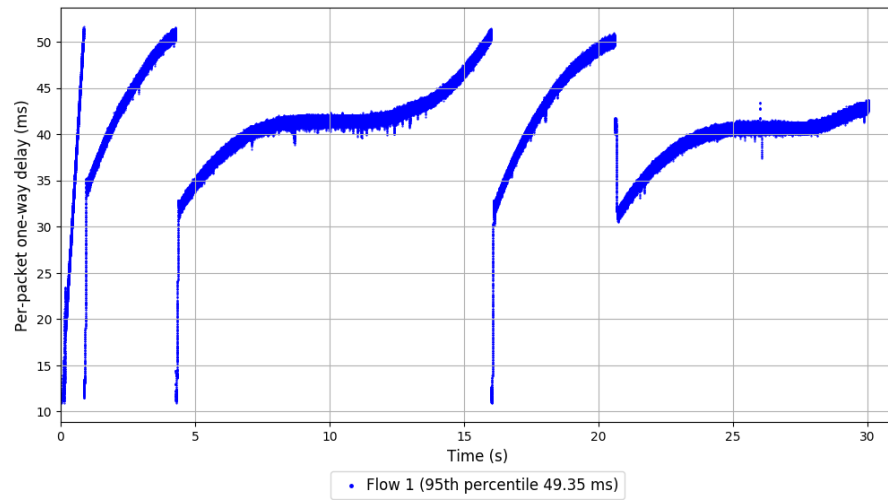
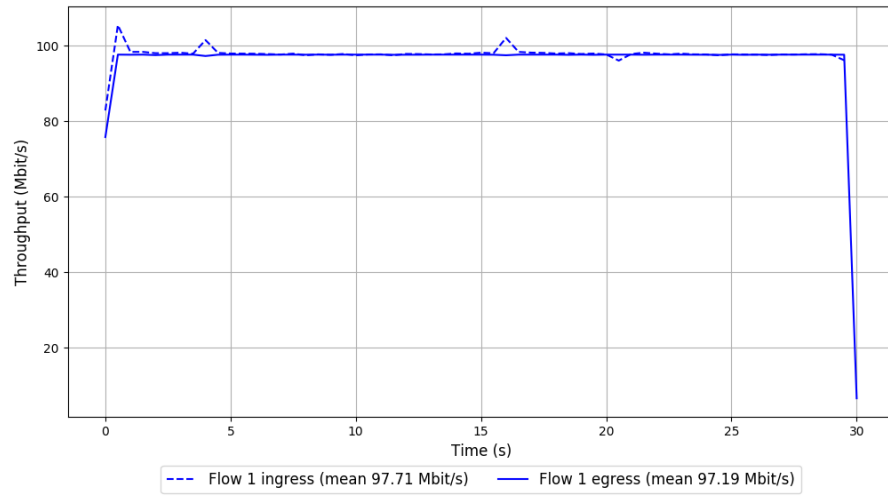
Run 7: Statistics of TCP Cubic

Start at: 2018-04-10 14:47:28  
End at: 2018-04-10 14:47:58  
Local clock offset: -1.387 ms  
Remote clock offset: 35.595 ms

# Below is generated by plot.py at 2018-04-10 16:43:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.19 Mbit/s  
95th percentile per-packet one-way delay: 49.350 ms  
Loss rate: 0.43%  
-- Flow 1:  
Average throughput: 97.19 Mbit/s  
95th percentile per-packet one-way delay: 49.350 ms  
Loss rate: 0.43%



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

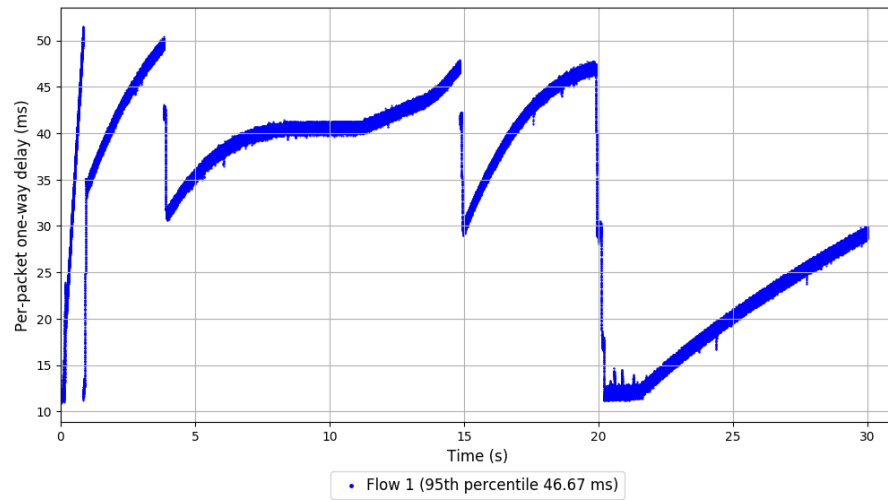
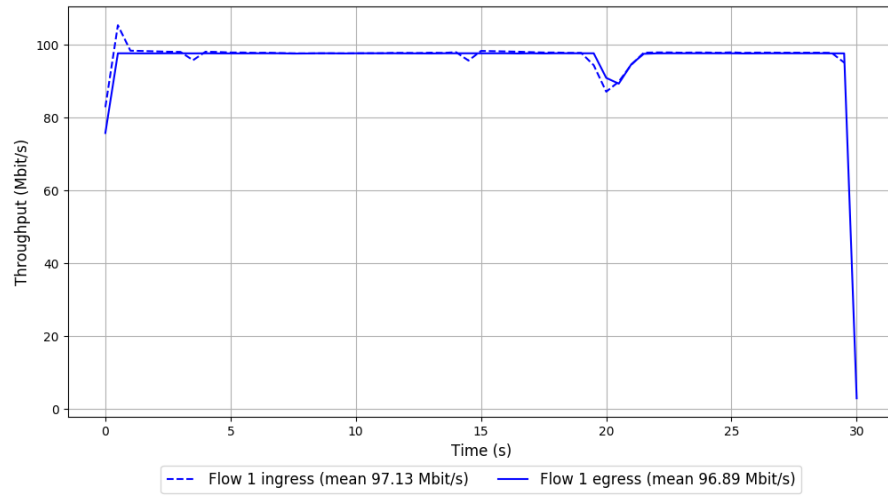


Run 8: Statistics of TCP Cubic

Start at: 2018-04-10 15:09:25  
End at: 2018-04-10 15:09:55  
Local clock offset: 0.391 ms  
Remote clock offset: -2.161 ms

# Below is generated by plot.py at 2018-04-10 16:43:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.89 Mbit/s  
95th percentile per-packet one-way delay: 46.672 ms  
Loss rate: 0.19%  
-- Flow 1:  
Average throughput: 96.89 Mbit/s  
95th percentile per-packet one-way delay: 46.672 ms  
Loss rate: 0.19%

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



Run 9: Statistics of TCP Cubic

Start at: 2018-04-10 15:31:06

End at: 2018-04-10 15:31:36

Local clock offset: 0.645 ms

Remote clock offset: -3.17 ms

# Below is generated by plot.py at 2018-04-10 16:43:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.68 Mbit/s

95th percentile per-packet one-way delay: 39.775 ms

Loss rate: 0.19%

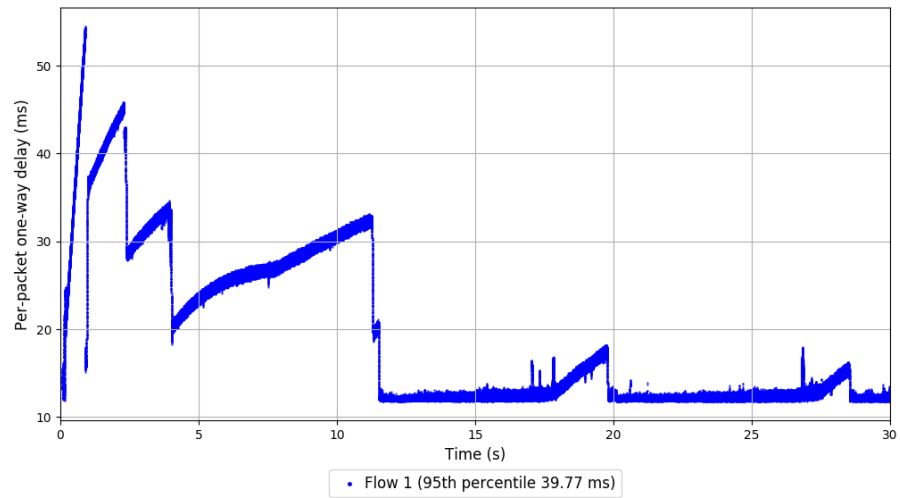
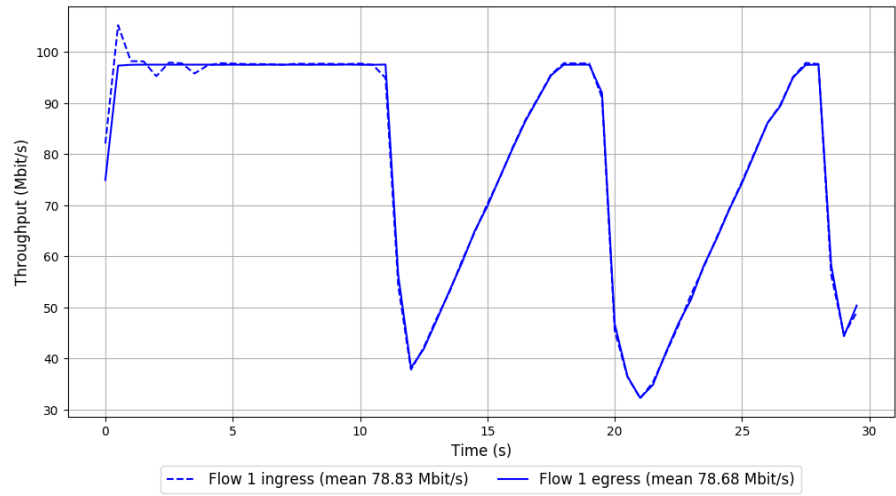
-- Flow 1:

Average throughput: 78.68 Mbit/s

95th percentile per-packet one-way delay: 39.775 ms

Loss rate: 0.19%

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



Run 10: Statistics of TCP Cubic

Start at: 2018-04-10 15:53:29

End at: 2018-04-10 15:53:59

Local clock offset: 1.354 ms

Remote clock offset: -2.413 ms

# Below is generated by plot.py at 2018-04-10 16:43:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.14 Mbit/s

95th percentile per-packet one-way delay: 47.968 ms

Loss rate: 0.33%

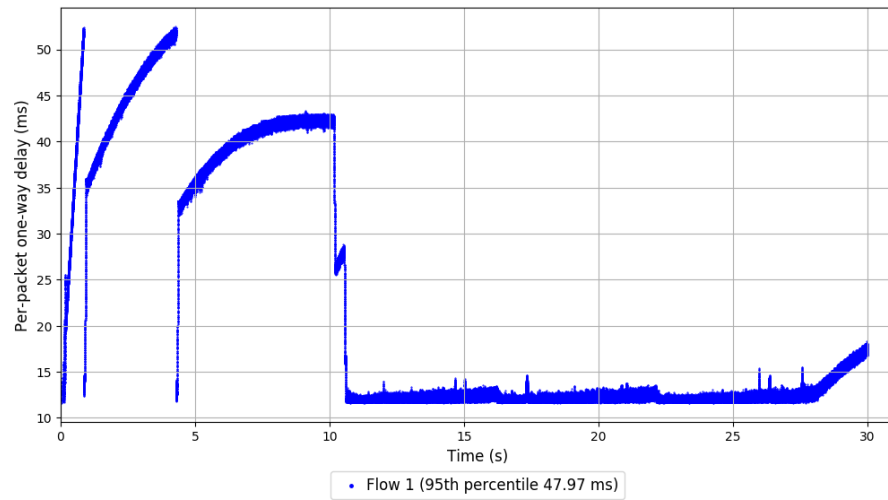
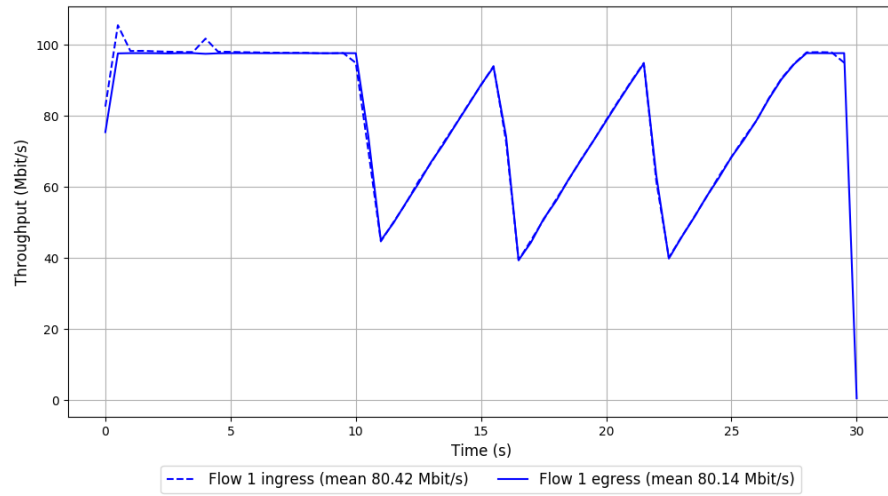
-- Flow 1:

Average throughput: 80.14 Mbit/s

95th percentile per-packet one-way delay: 47.968 ms

Loss rate: 0.33%

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



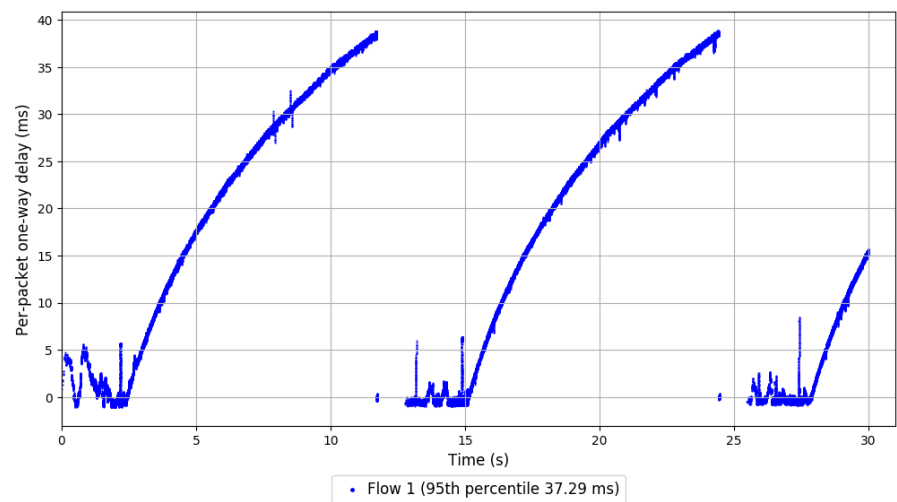
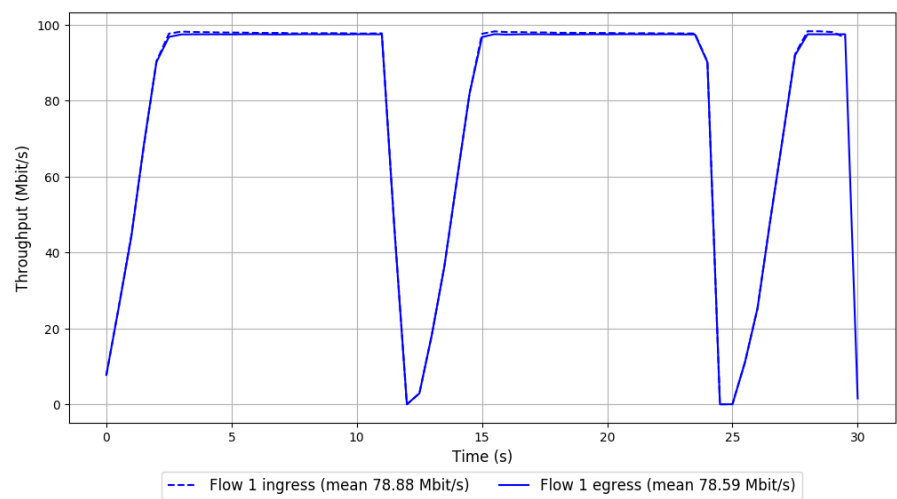
```
Run 1: Statistics of LEDBAT

Start at: 2018-04-10 12:47:54
End at: 2018-04-10 12:48:24
Local clock offset: 0.651 ms
Remote clock offset: -13.235 ms

# Below is generated by plot.py at 2018-04-10 16:44:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.59 Mbit/s
95th percentile per-packet one-way delay: 37.291 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 78.59 Mbit/s
95th percentile per-packet one-way delay: 37.291 ms
Loss rate: 0.32%
```



Run 1: Report of LEDBAT — Data Link

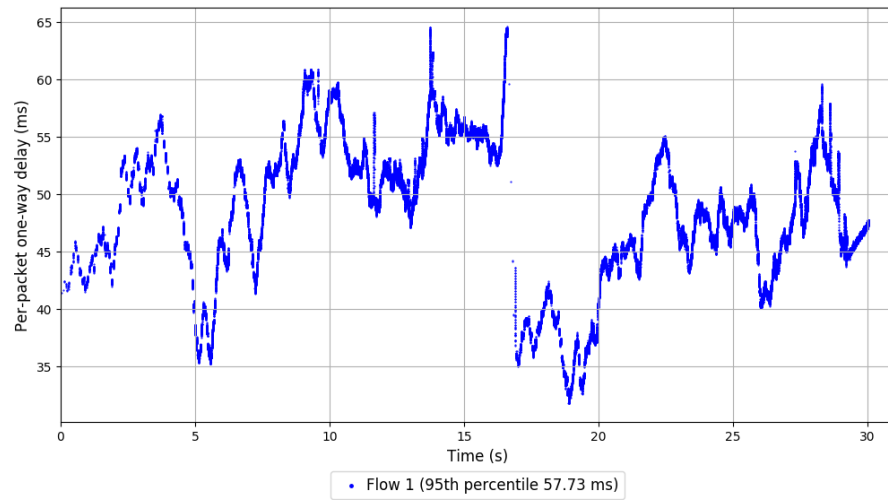
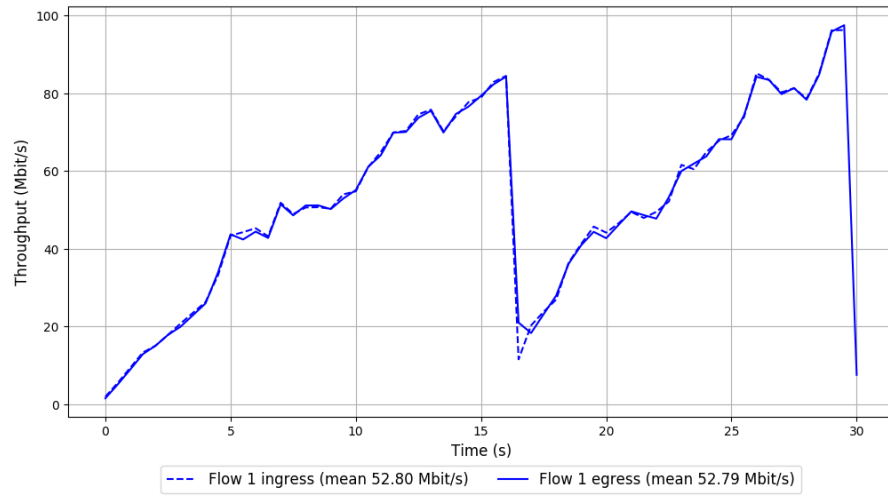


Run 2: Statistics of LEDBAT

Start at: 2018-04-10 13:09:11  
End at: 2018-04-10 13:09:41  
Local clock offset: -4.267 ms  
Remote clock offset: -9.312 ms

# Below is generated by plot.py at 2018-04-10 16:44:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 52.79 Mbit/s  
95th percentile per-packet one-way delay: 57.735 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 52.79 Mbit/s  
95th percentile per-packet one-way delay: 57.735 ms  
Loss rate: 0.01%

## Run 2: Report of LEDBAT — Data Link

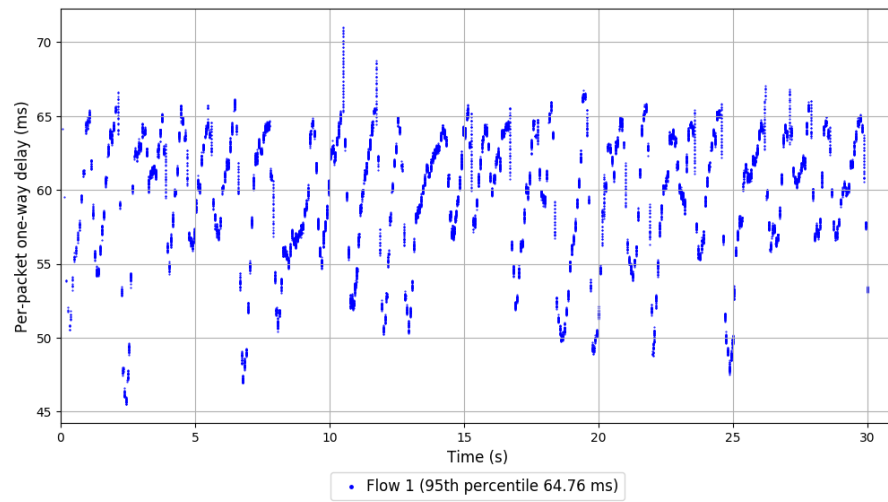
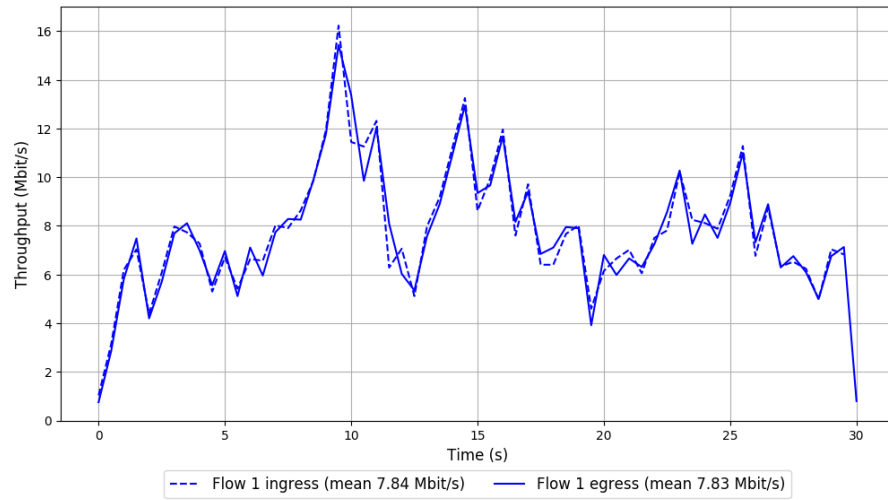


Run 3: Statistics of LEDBAT

Start at: 2018-04-10 13:31:30  
End at: 2018-04-10 13:32:00  
Local clock offset: -0.166 ms  
Remote clock offset: -0.957 ms

# Below is generated by plot.py at 2018-04-10 16:44:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.83 Mbit/s  
95th percentile per-packet one-way delay: 64.759 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 7.83 Mbit/s  
95th percentile per-packet one-way delay: 64.759 ms  
Loss rate: 0.20%

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

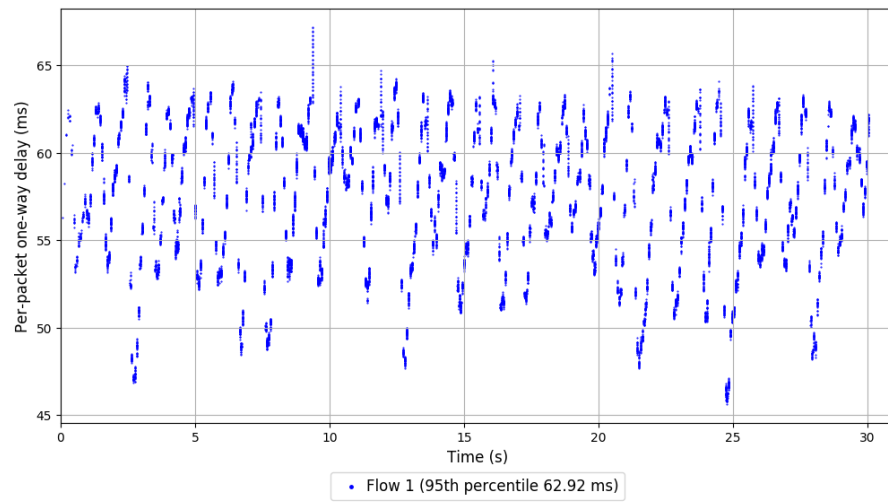
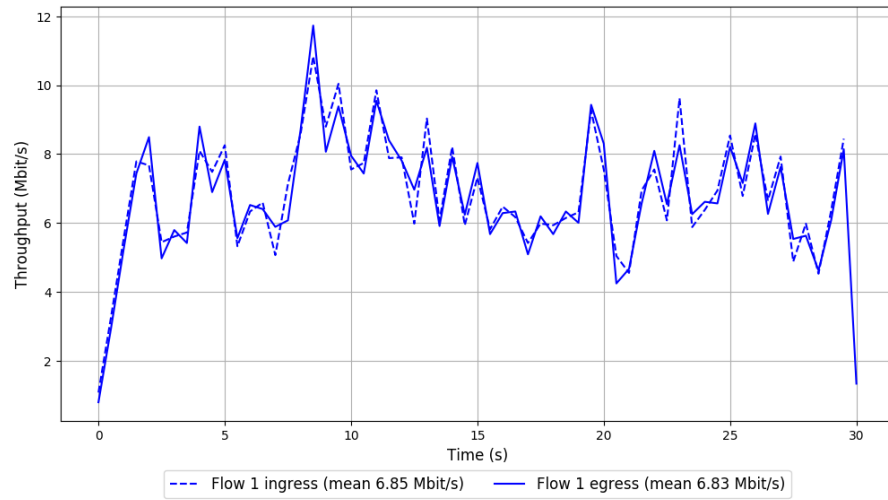


Run 4: Statistics of LEDBAT

Start at: 2018-04-10 13:52:51  
End at: 2018-04-10 13:53:21  
Local clock offset: 0.989 ms  
Remote clock offset: 15.981 ms

# Below is generated by plot.py at 2018-04-10 16:44:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.83 Mbit/s  
95th percentile per-packet one-way delay: 62.921 ms  
Loss rate: 0.29%  
-- Flow 1:  
Average throughput: 6.83 Mbit/s  
95th percentile per-packet one-way delay: 62.921 ms  
Loss rate: 0.29%

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



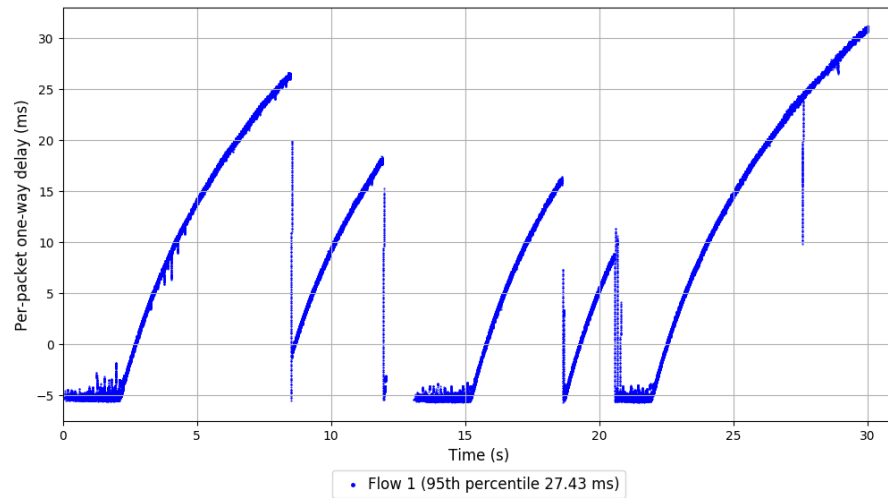
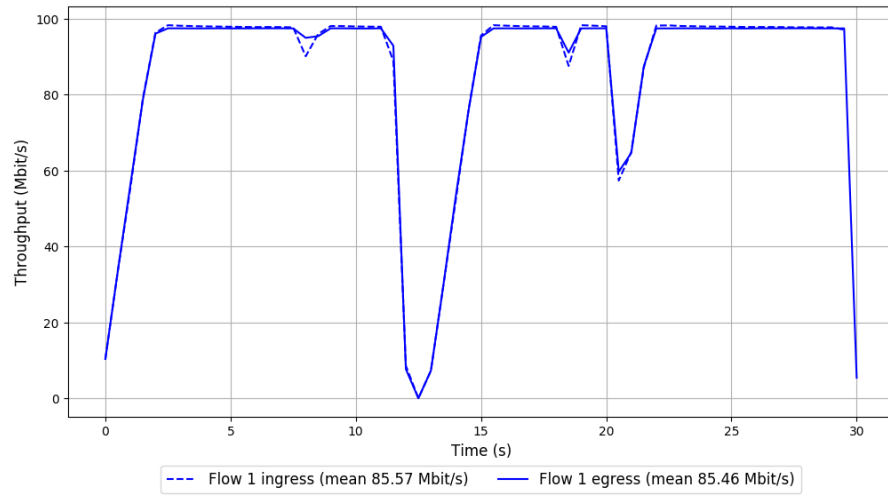
Run 5: Statistics of LEDBAT

Start at: 2018-04-10 14:14:09  
End at: 2018-04-10 14:14:39  
Local clock offset: 1.195 ms  
Remote clock offset: 11.689 ms

# Below is generated by plot.py at 2018-04-10 16:44:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.46 Mbit/s  
95th percentile per-packet one-way delay: 27.425 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 85.46 Mbit/s  
95th percentile per-packet one-way delay: 27.425 ms  
Loss rate: 0.01%



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

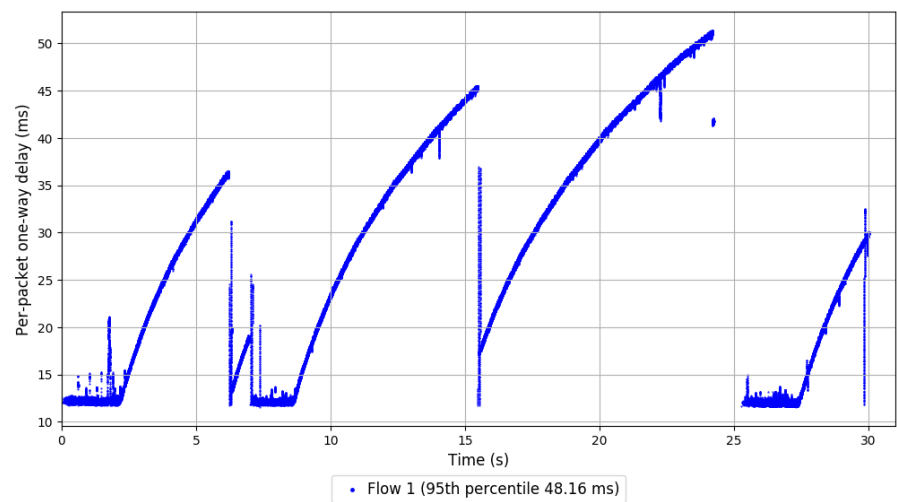
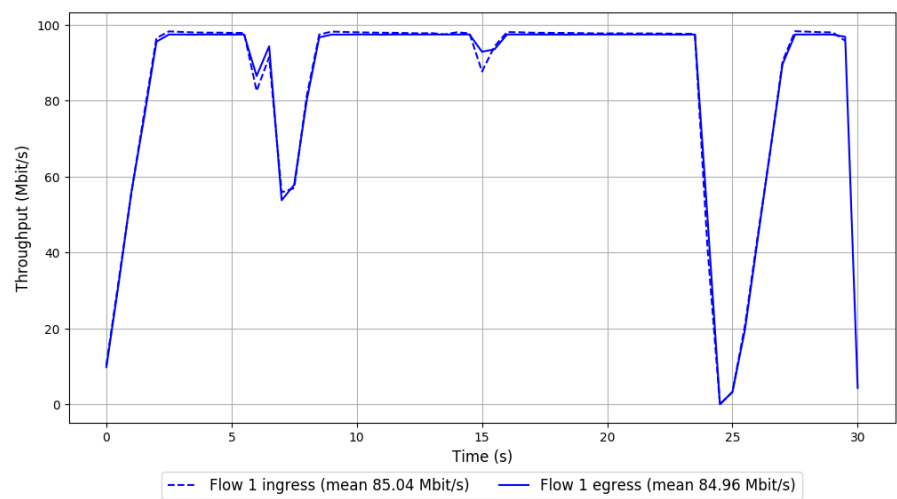


Run 6: Statistics of LEDBAT

Start at: 2018-04-10 14:35:11  
End at: 2018-04-10 14:35:41  
Local clock offset: -1.371 ms  
Remote clock offset: 32.453 ms

# Below is generated by plot.py at 2018-04-10 16:44:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.96 Mbit/s  
95th percentile per-packet one-way delay: 48.165 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 84.96 Mbit/s  
95th percentile per-packet one-way delay: 48.165 ms  
Loss rate: 0.04%

Run 6: Report of LEDBAT — Data Link

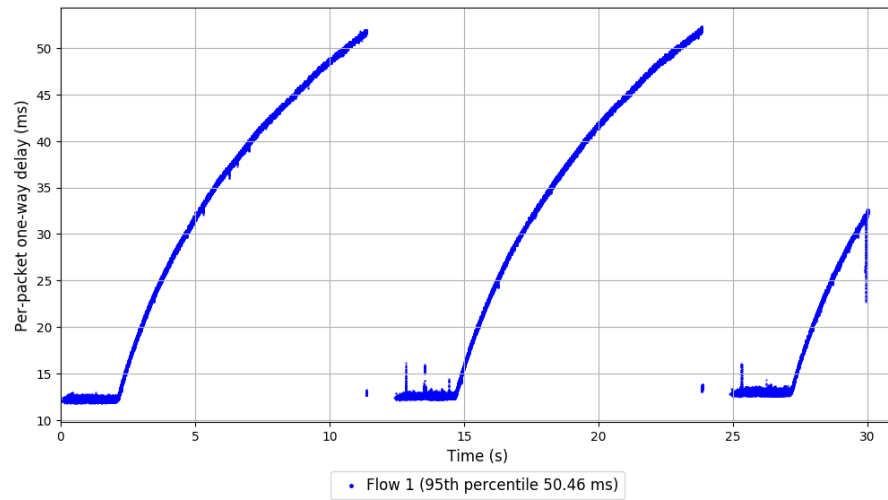
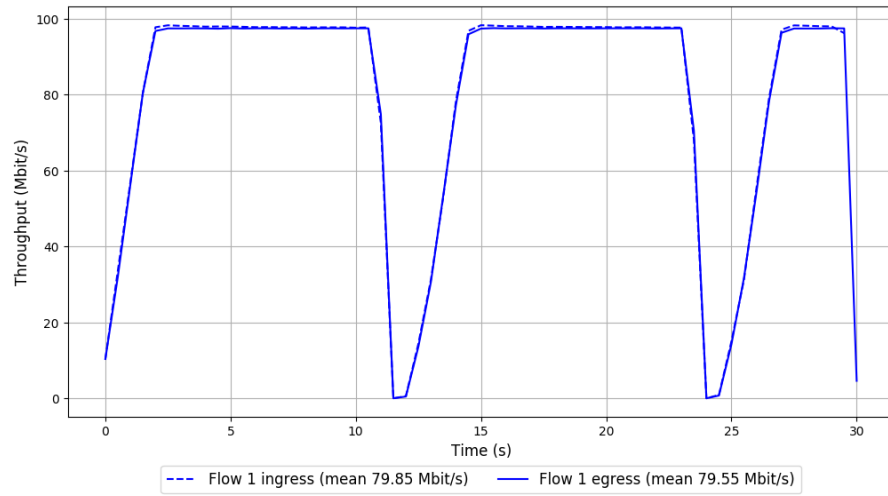


Run 7: Statistics of LEDBAT

Start at: 2018-04-10 14:57:13  
End at: 2018-04-10 14:57:43  
Local clock offset: -0.579 ms  
Remote clock offset: 10.681 ms

# Below is generated by plot.py at 2018-04-10 16:44:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.55 Mbit/s  
95th percentile per-packet one-way delay: 50.464 ms  
Loss rate: 0.32%  
-- Flow 1:  
Average throughput: 79.55 Mbit/s  
95th percentile per-packet one-way delay: 50.464 ms  
Loss rate: 0.32%

## Run 7: Report of LEDBAT — Data Link

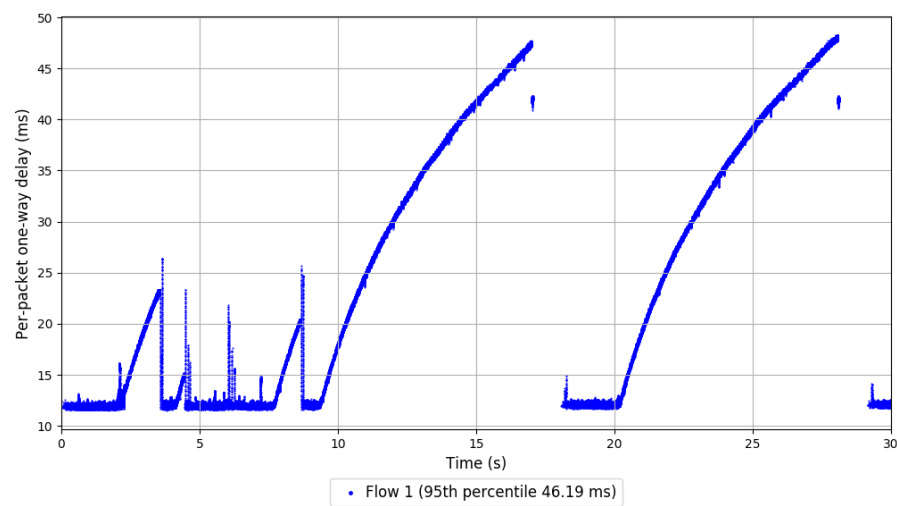
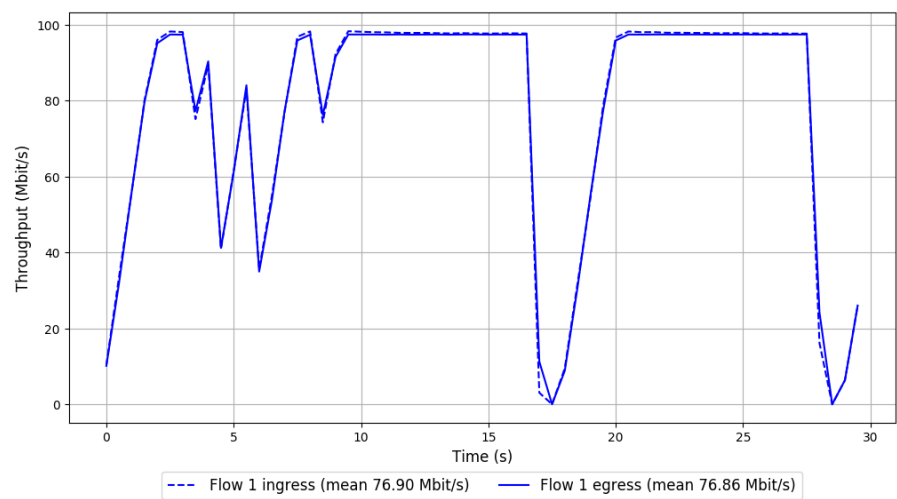


Run 8: Statistics of LEDBAT

Start at: 2018-04-10 15:19:15  
End at: 2018-04-10 15:19:45  
Local clock offset: 0.473 ms  
Remote clock offset: -5.936 ms

# Below is generated by plot.py at 2018-04-10 16:44:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.86 Mbit/s  
95th percentile per-packet one-way delay: 46.185 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 76.86 Mbit/s  
95th percentile per-packet one-way delay: 46.185 ms  
Loss rate: 0.06%

Run 8: Report of LEDBAT — Data Link



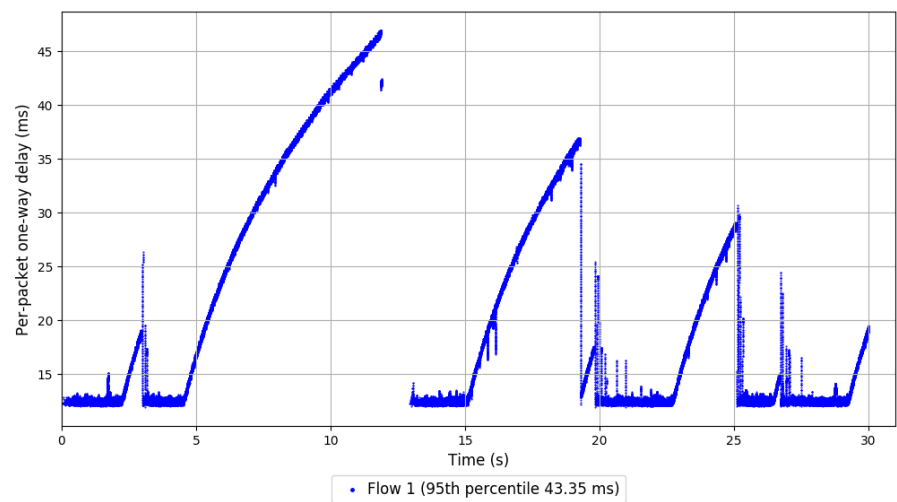
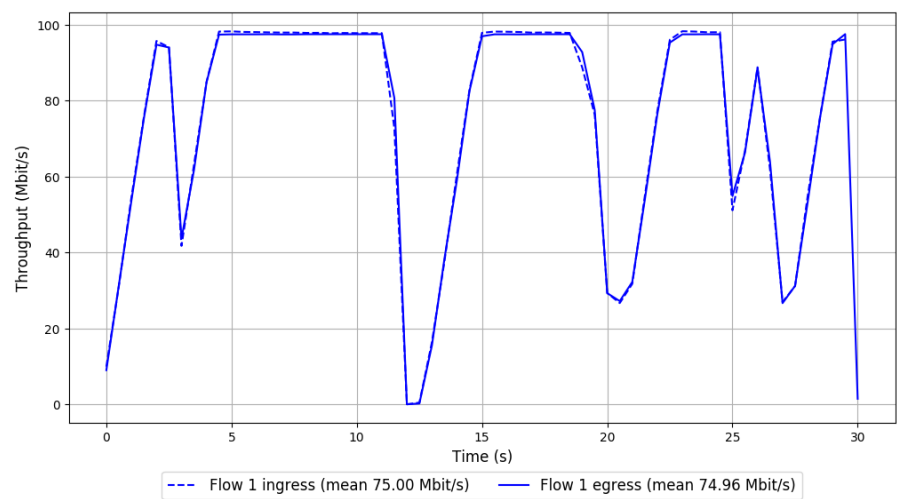
Run 9: Statistics of LEDBAT

Start at: 2018-04-10 15:40:49  
End at: 2018-04-10 15:41:19  
Local clock offset: 1.037 ms  
Remote clock offset: -2.245 ms

# Below is generated by plot.py at 2018-04-10 16:44:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.96 Mbit/s  
95th percentile per-packet one-way delay: 43.353 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 74.96 Mbit/s  
95th percentile per-packet one-way delay: 43.353 ms  
Loss rate: 0.04%



Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-10 16:03:26

End at: 2018-04-10 16:03:56

Local clock offset: 1.624 ms

Remote clock offset: -1.93 ms

# Below is generated by plot.py at 2018-04-10 16:45:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.17 Mbit/s

95th percentile per-packet one-way delay: 47.882 ms

Loss rate: 0.15%

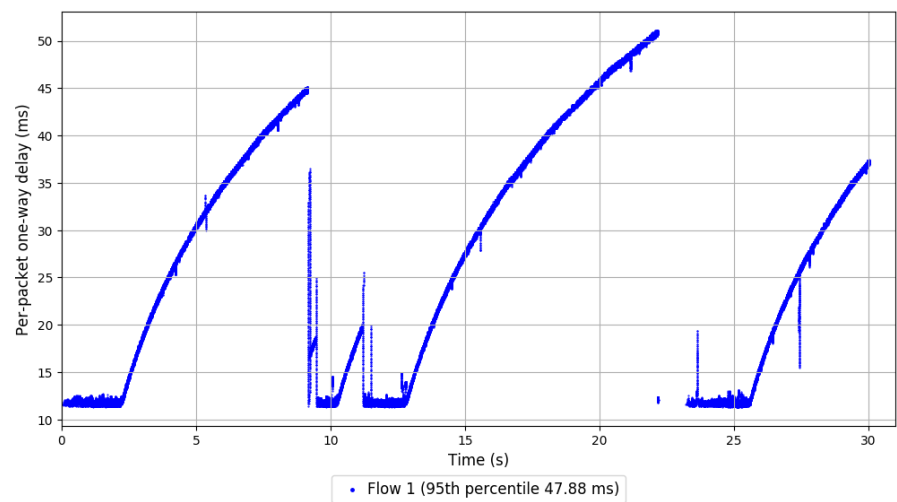
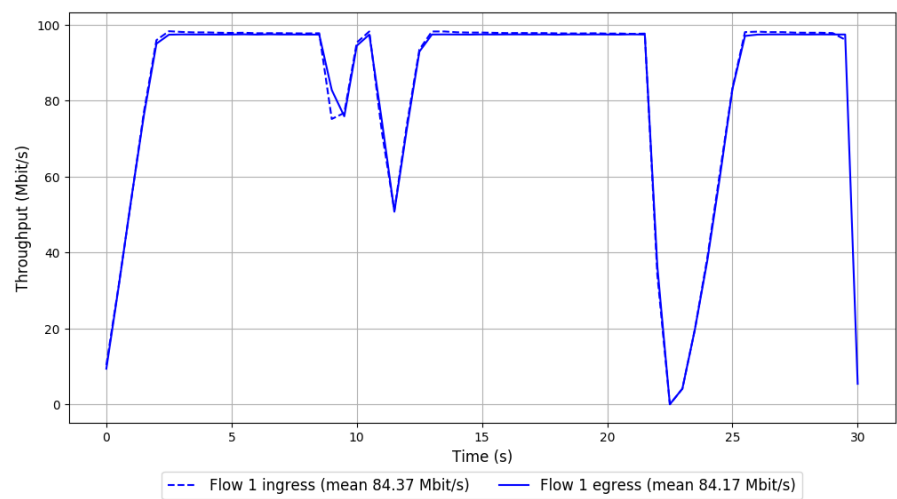
-- Flow 1:

Average throughput: 84.17 Mbit/s

95th percentile per-packet one-way delay: 47.882 ms

Loss rate: 0.15%

Run 10: Report of LEDBAT — Data Link

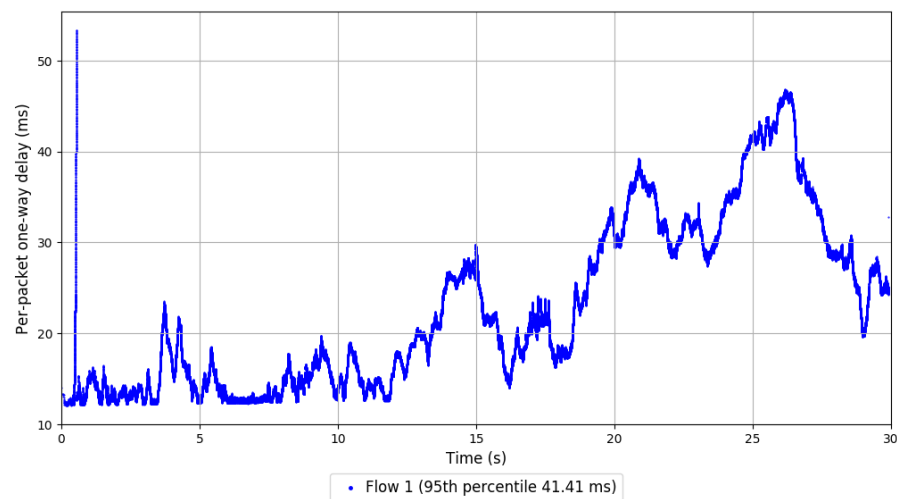
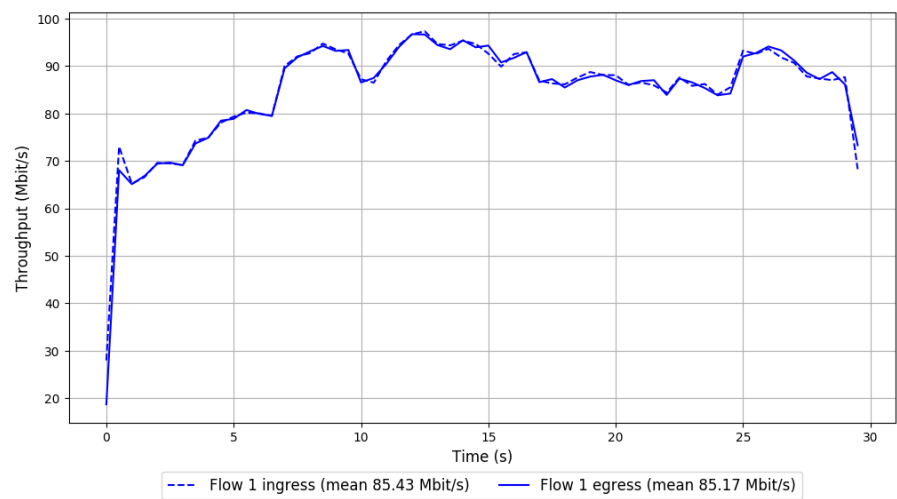


Run 1: Statistics of PCC

Start at: 2018-04-10 12:35:49  
End at: 2018-04-10 12:36:19  
Local clock offset: 0.046 ms  
Remote clock offset: 14.291 ms

# Below is generated by plot.py at 2018-04-10 16:45:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.17 Mbit/s  
95th percentile per-packet one-way delay: 41.413 ms  
Loss rate: 0.24%  
-- Flow 1:  
Average throughput: 85.17 Mbit/s  
95th percentile per-packet one-way delay: 41.413 ms  
Loss rate: 0.24%

Run 1: Report of PCC — Data Link

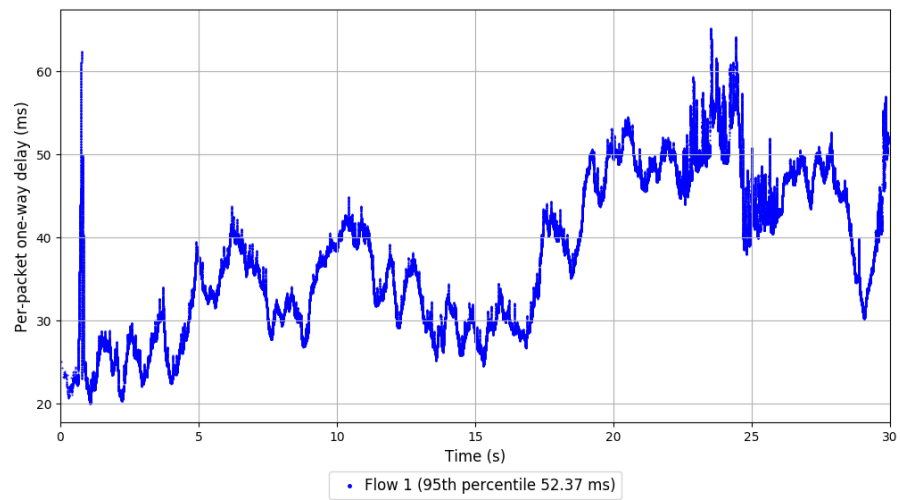
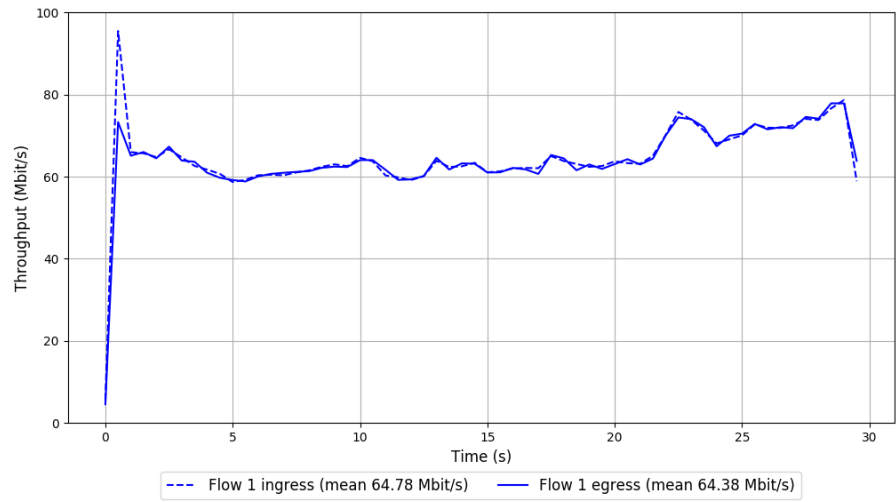


Run 2: Statistics of PCC

Start at: 2018-04-10 12:57:26  
End at: 2018-04-10 12:57:56  
Local clock offset: 0.856 ms  
Remote clock offset: -11.552 ms

# Below is generated by plot.py at 2018-04-10 16:45:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 64.38 Mbit/s  
95th percentile per-packet one-way delay: 52.370 ms  
Loss rate: 0.56%  
-- Flow 1:  
Average throughput: 64.38 Mbit/s  
95th percentile per-packet one-way delay: 52.370 ms  
Loss rate: 0.56%

## Run 2: Report of PCC — Data Link



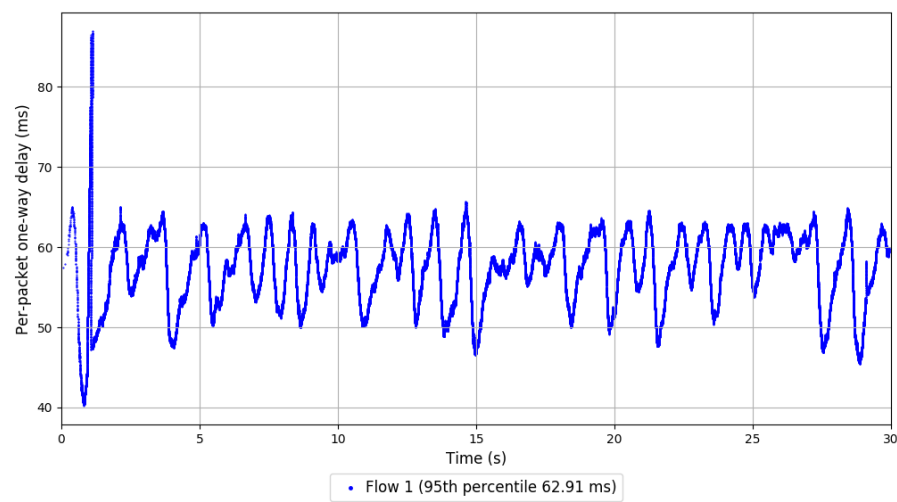
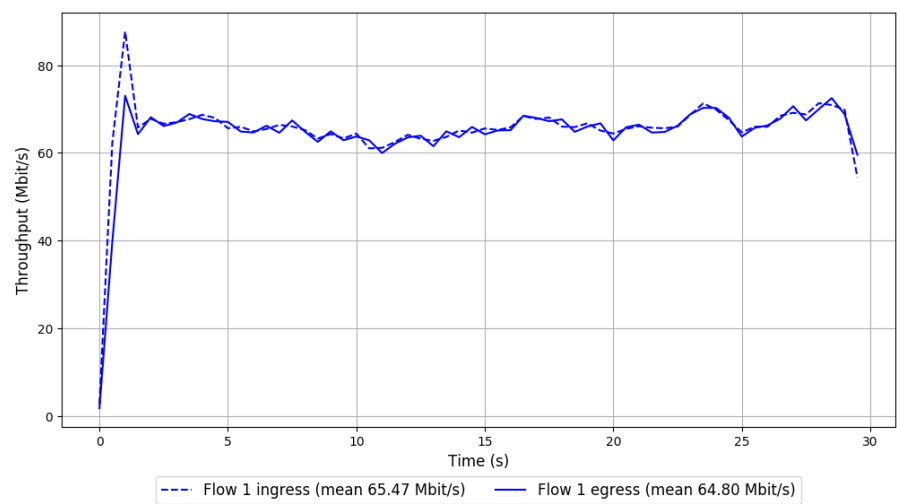
Run 3: Statistics of PCC

Start at: 2018-04-10 13:18:53  
End at: 2018-04-10 13:19:23  
Local clock offset: 0.325 ms  
Remote clock offset: -2.423 ms

# Below is generated by plot.py at 2018-04-10 16:45:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 64.80 Mbit/s  
95th percentile per-packet one-way delay: 62.914 ms  
Loss rate: 1.08%  
-- Flow 1:  
Average throughput: 64.80 Mbit/s  
95th percentile per-packet one-way delay: 62.914 ms  
Loss rate: 1.08%



Run 3: Report of PCC — Data Link

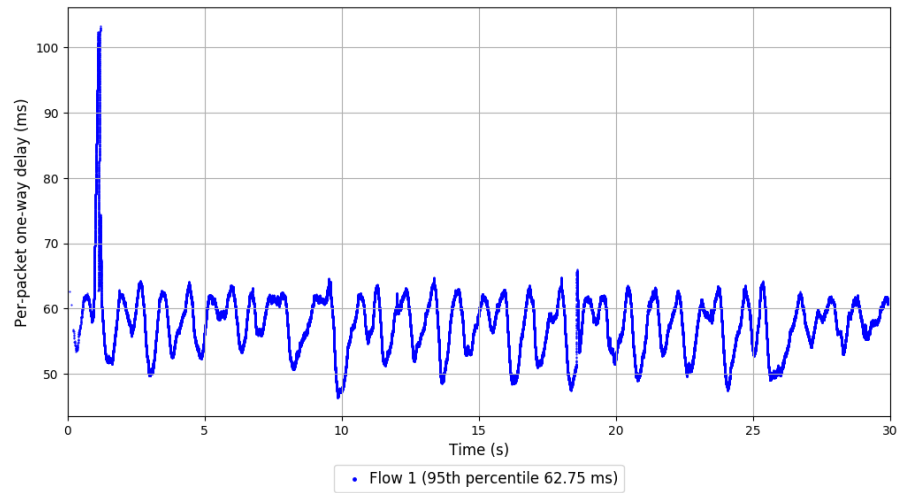
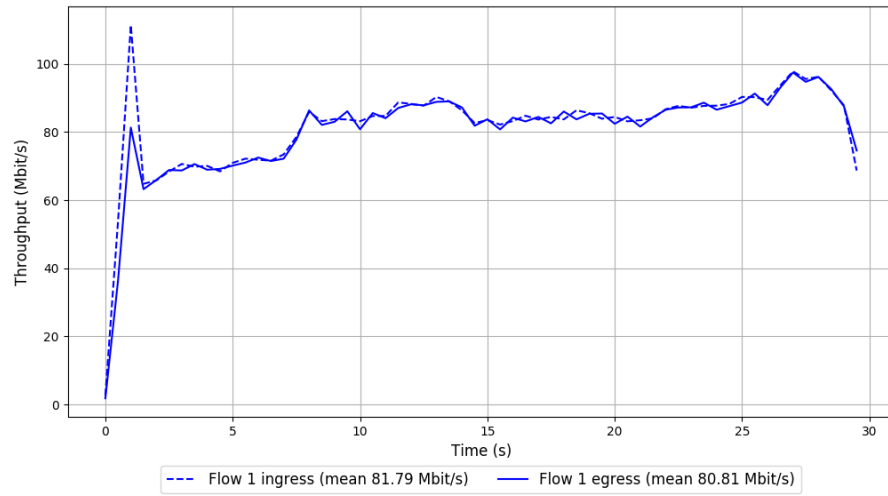


Run 4: Statistics of PCC

Start at: 2018-04-10 13:40:52  
End at: 2018-04-10 13:41:23  
Local clock offset: 0.13 ms  
Remote clock offset: -0.926 ms

# Below is generated by plot.py at 2018-04-10 16:45:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.81 Mbit/s  
95th percentile per-packet one-way delay: 62.748 ms  
Loss rate: 1.28%  
-- Flow 1:  
Average throughput: 80.81 Mbit/s  
95th percentile per-packet one-way delay: 62.748 ms  
Loss rate: 1.28%

#### Run 4: Report of PCC — Data Link

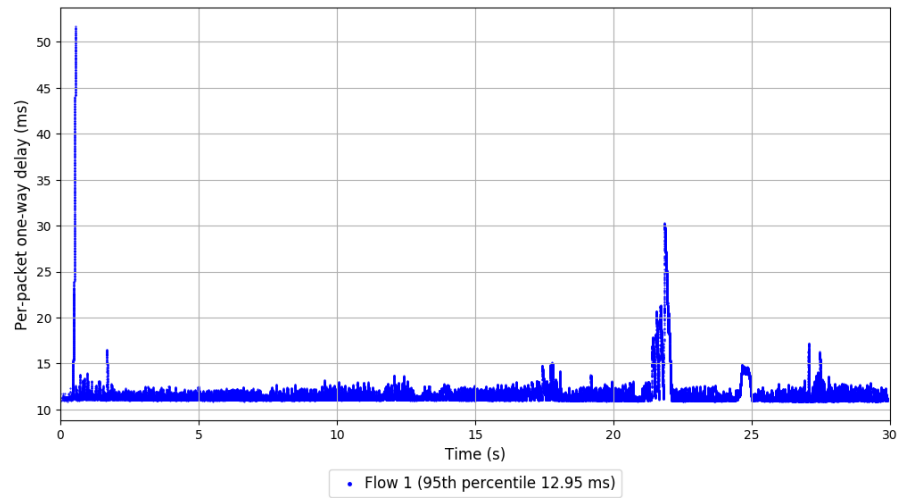
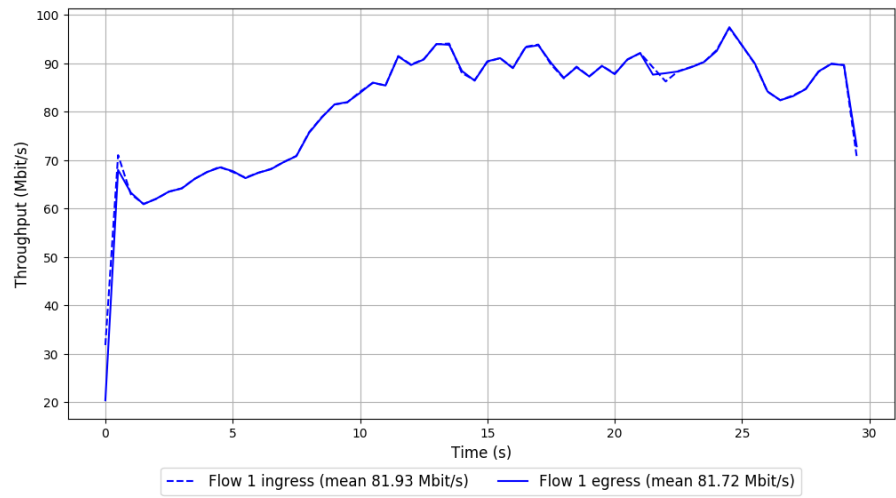


Run 5: Statistics of PCC

Start at: 2018-04-10 14:02:29  
End at: 2018-04-10 14:02:59  
Local clock offset: 1.144 ms  
Remote clock offset: 22.381 ms

# Below is generated by plot.py at 2018-04-10 16:45:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.72 Mbit/s  
95th percentile per-packet one-way delay: 12.945 ms  
Loss rate: 0.26%  
-- Flow 1:  
Average throughput: 81.72 Mbit/s  
95th percentile per-packet one-way delay: 12.945 ms  
Loss rate: 0.26%

### Run 5: Report of PCC — Data Link

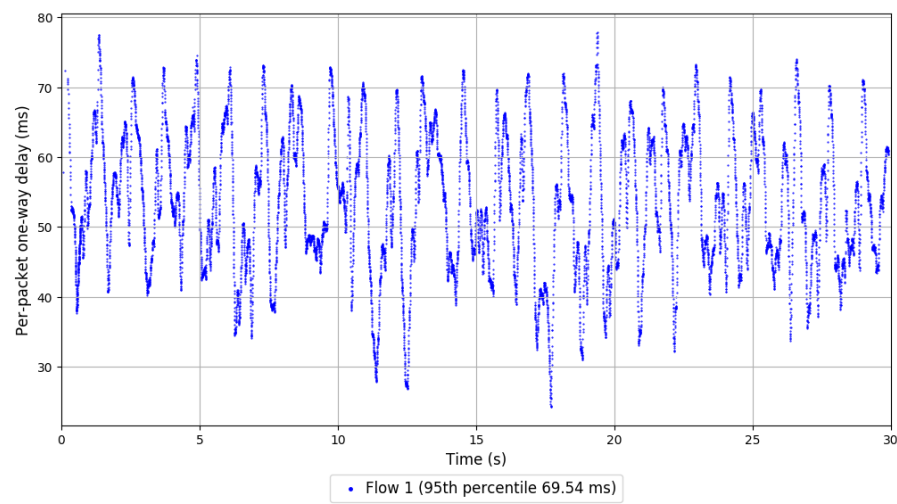
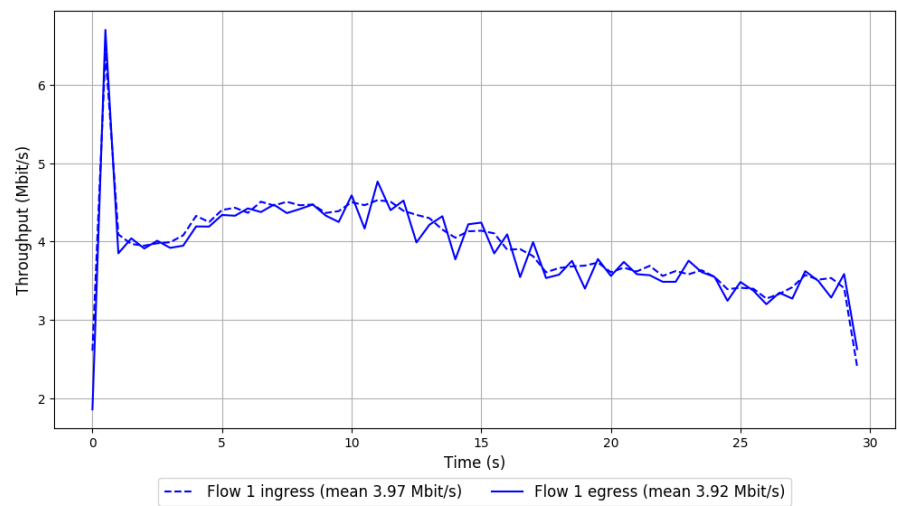


Run 6: Statistics of PCC

Start at: 2018-04-10 14:23:20  
End at: 2018-04-10 14:23:50  
Local clock offset: -8.046 ms  
Remote clock offset: 23.936 ms

# Below is generated by plot.py at 2018-04-10 16:45:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.92 Mbit/s  
95th percentile per-packet one-way delay: 69.536 ms  
Loss rate: 1.19%  
-- Flow 1:  
Average throughput: 3.92 Mbit/s  
95th percentile per-packet one-way delay: 69.536 ms  
Loss rate: 1.19%

Run 6: Report of PCC — Data Link



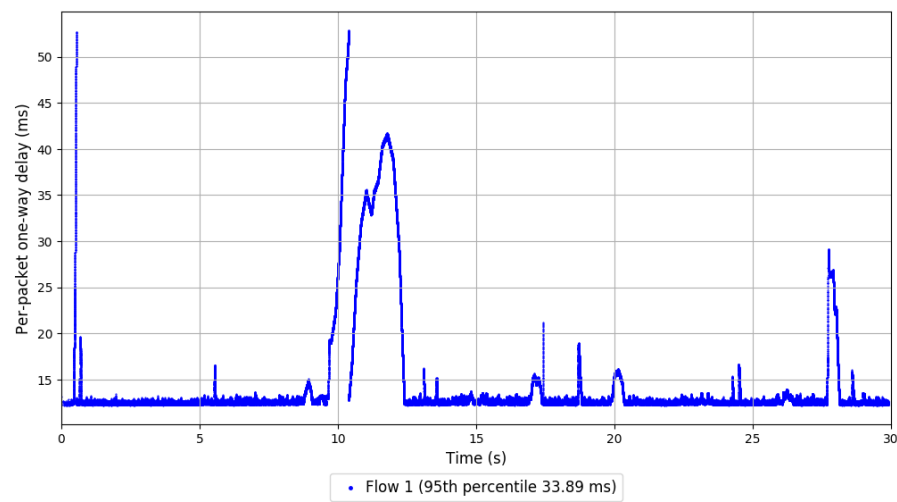
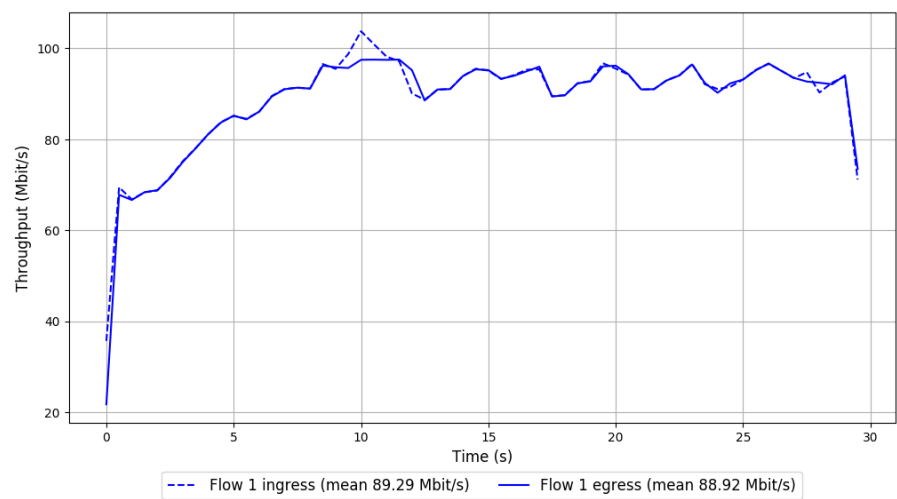
Run 7: Statistics of PCC

Start at: 2018-04-10 14:44:58  
End at: 2018-04-10 14:45:28  
Local clock offset: -2.173 ms  
Remote clock offset: 35.687 ms

# Below is generated by plot.py at 2018-04-10 16:45:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.92 Mbit/s  
95th percentile per-packet one-way delay: 33.890 ms  
Loss rate: 0.42%  
-- Flow 1:  
Average throughput: 88.92 Mbit/s  
95th percentile per-packet one-way delay: 33.890 ms  
Loss rate: 0.42%



Run 7: Report of PCC — Data Link

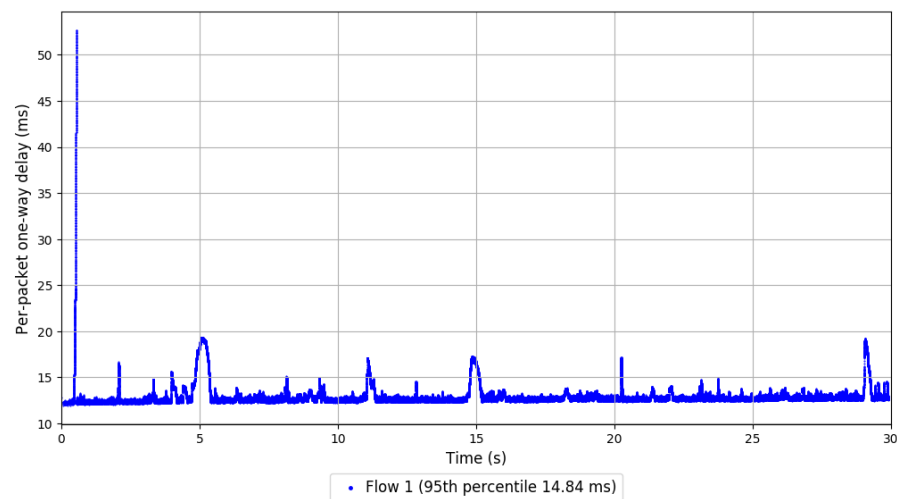
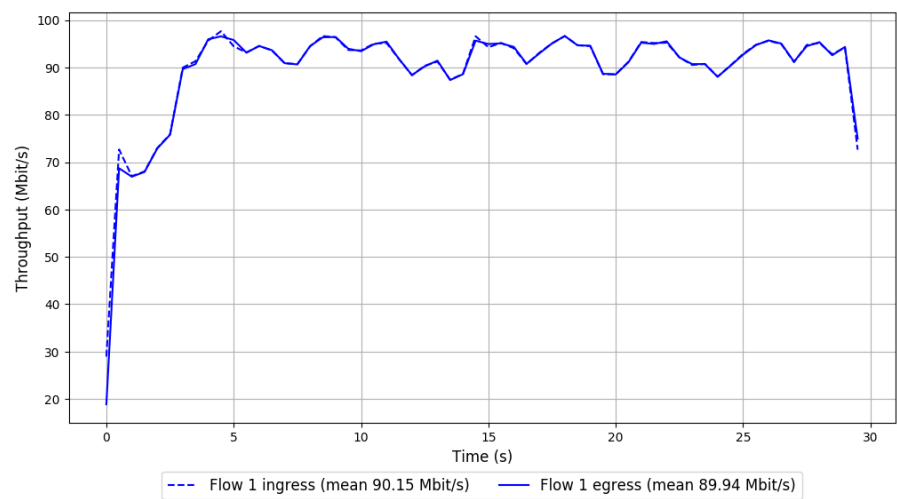


Run 8: Statistics of PCC

Start at: 2018-04-10 15:07:01  
End at: 2018-04-10 15:07:31  
Local clock offset: 0.187 ms  
Remote clock offset: -0.185 ms

# Below is generated by plot.py at 2018-04-10 16:46:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.94 Mbit/s  
95th percentile per-packet one-way delay: 14.836 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 89.94 Mbit/s  
95th percentile per-packet one-way delay: 14.836 ms  
Loss rate: 0.23%

Run 8: Report of PCC — Data Link

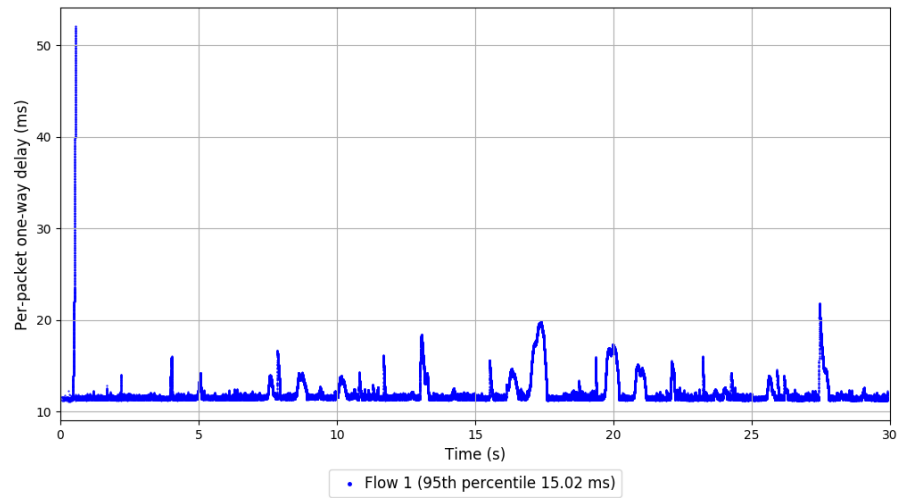
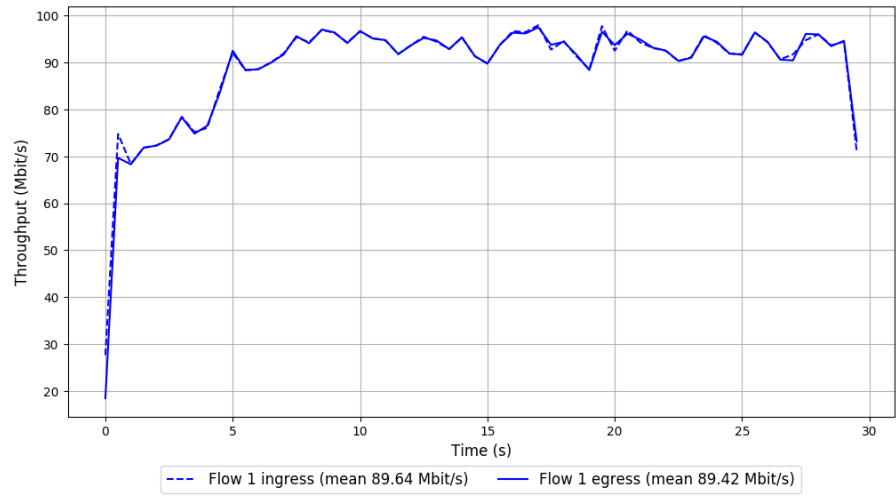


Run 9: Statistics of PCC

Start at: 2018-04-10 15:28:46  
End at: 2018-04-10 15:29:16  
Local clock offset: 0.689 ms  
Remote clock offset: -4.608 ms

# Below is generated by plot.py at 2018-04-10 16:46:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.42 Mbit/s  
95th percentile per-packet one-way delay: 15.018 ms  
Loss rate: 0.24%  
-- Flow 1:  
Average throughput: 89.42 Mbit/s  
95th percentile per-packet one-way delay: 15.018 ms  
Loss rate: 0.24%

### Run 9: Report of PCC — Data Link

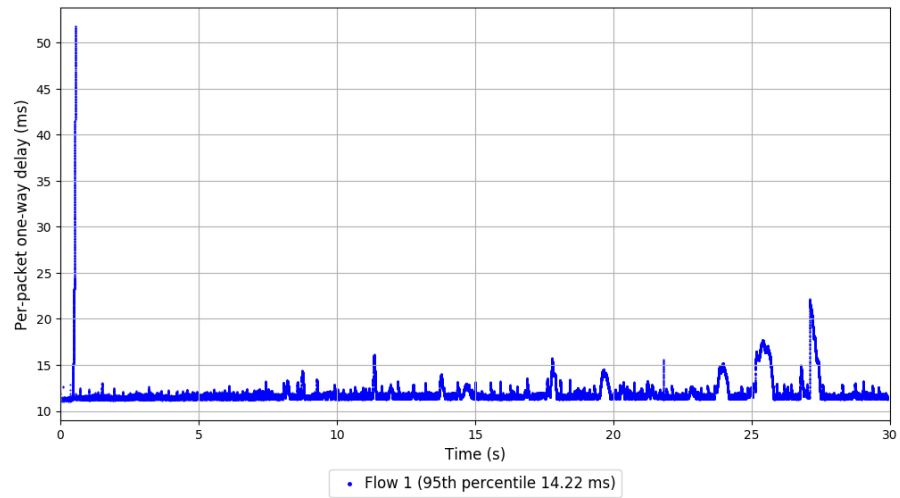
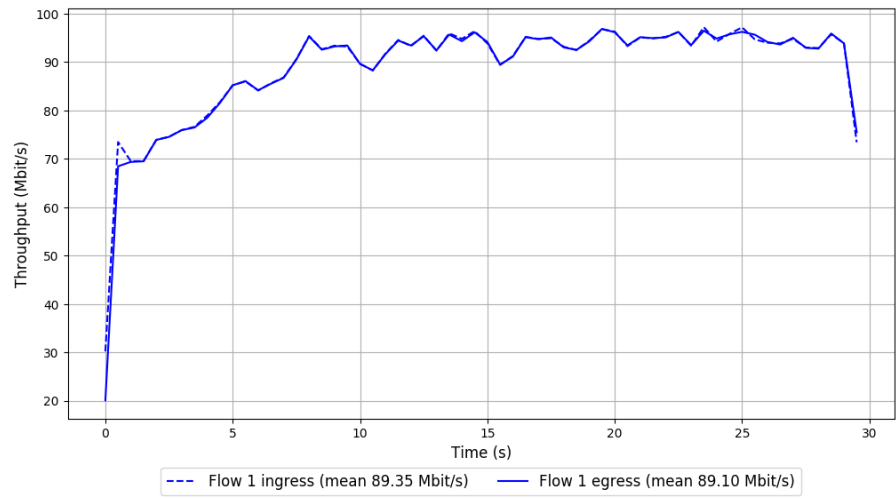


Run 10: Statistics of PCC

Start at: 2018-04-10 15:51:04  
End at: 2018-04-10 15:51:34  
Local clock offset: 1.49 ms  
Remote clock offset: -3.084 ms

# Below is generated by plot.py at 2018-04-10 16:46:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.10 Mbit/s  
95th percentile per-packet one-way delay: 14.221 ms  
Loss rate: 0.29%  
-- Flow 1:  
Average throughput: 89.10 Mbit/s  
95th percentile per-packet one-way delay: 14.221 ms  
Loss rate: 0.29%

### Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-04-10 12:42:43

End at: 2018-04-10 12:43:13

Local clock offset: 0.835 ms

Remote clock offset: 4.686 ms

# Below is generated by plot.py at 2018-04-10 16:46:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.23 Mbit/s

95th percentile per-packet one-way delay: 51.954 ms

Loss rate: 0.00%

-- Flow 1:

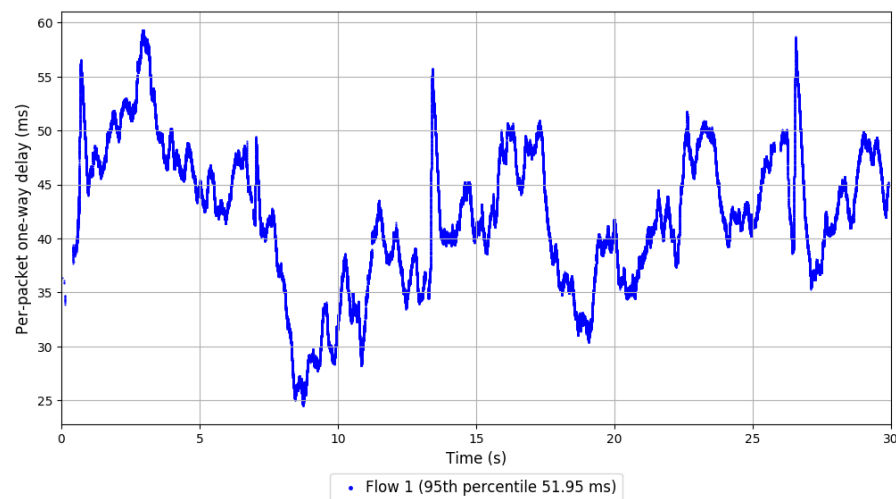
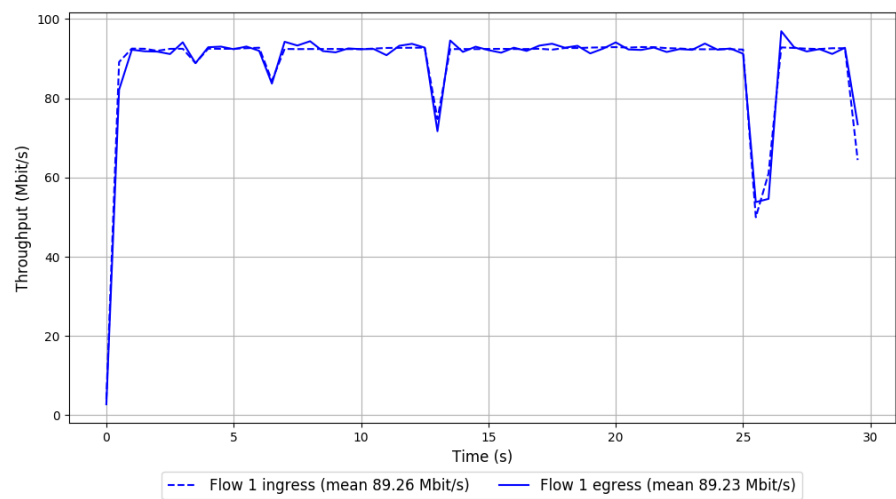
Average throughput: 89.23 Mbit/s

95th percentile per-packet one-way delay: 51.954 ms

Loss rate: 0.00%



Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-10 13:04:21

End at: 2018-04-10 13:04:51

Local clock offset: 1.0 ms

Remote clock offset: -6.132 ms

# Below is generated by plot.py at 2018-04-10 16:47:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.88 Mbit/s

95th percentile per-packet one-way delay: 26.122 ms

Loss rate: 0.00%

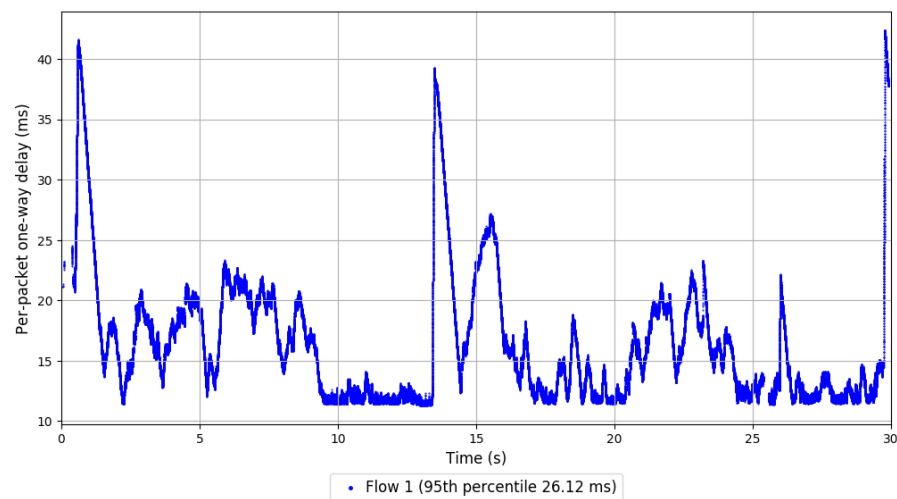
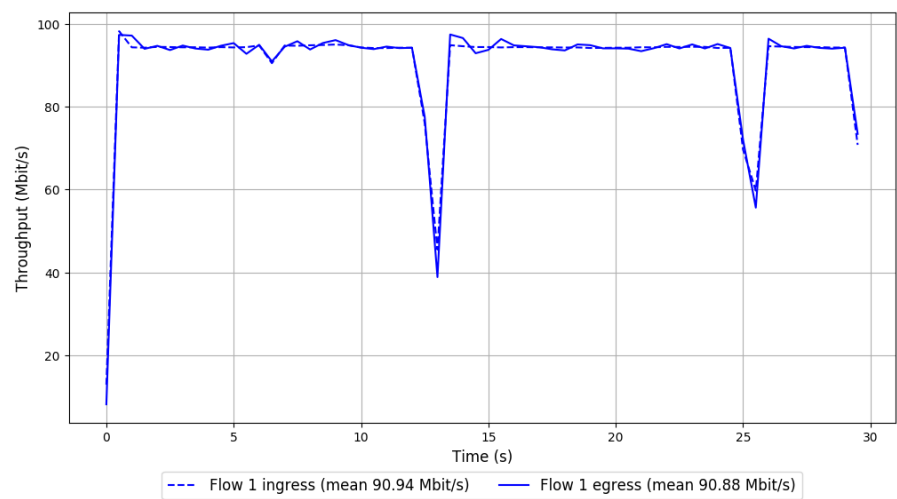
-- Flow 1:

Average throughput: 90.88 Mbit/s

95th percentile per-packet one-way delay: 26.122 ms

Loss rate: 0.00%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-10 13:26:11

End at: 2018-04-10 13:26:41

Local clock offset: 0.329 ms

Remote clock offset: -0.992 ms

# Below is generated by plot.py at 2018-04-10 16:47:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 37.06 Mbit/s

95th percentile per-packet one-way delay: 68.528 ms

Loss rate: 0.50%

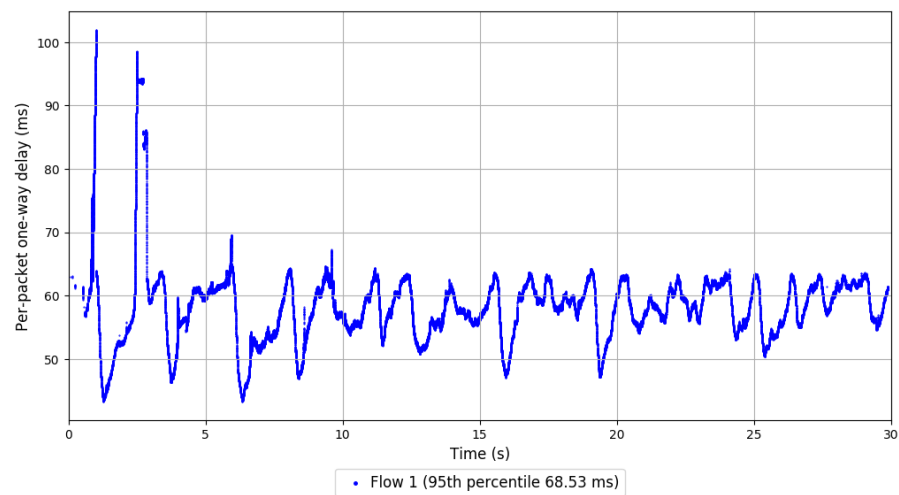
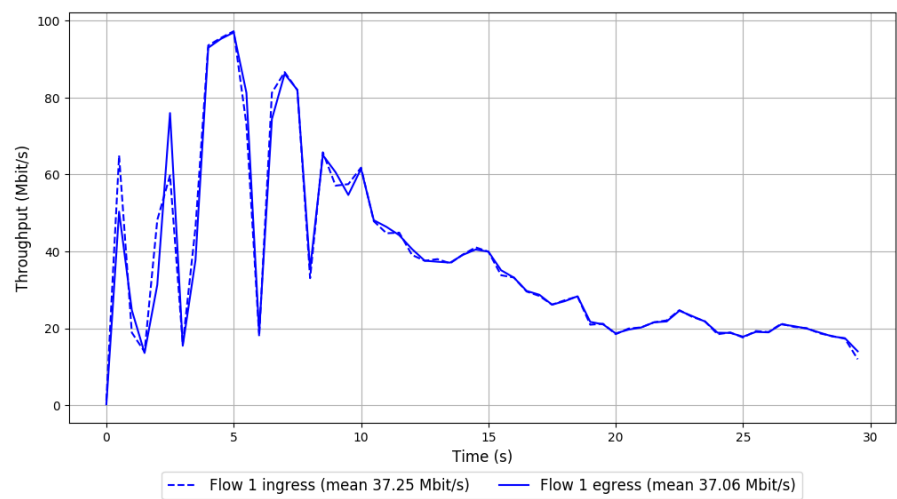
-- Flow 1:

Average throughput: 37.06 Mbit/s

95th percentile per-packet one-way delay: 68.528 ms

Loss rate: 0.50%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-10 13:47:53

End at: 2018-04-10 13:48:23

Local clock offset: 0.904 ms

Remote clock offset: 11.021 ms

# Below is generated by plot.py at 2018-04-10 16:47:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 18.02 Mbit/s

95th percentile per-packet one-way delay: 64.589 ms

Loss rate: 0.32%

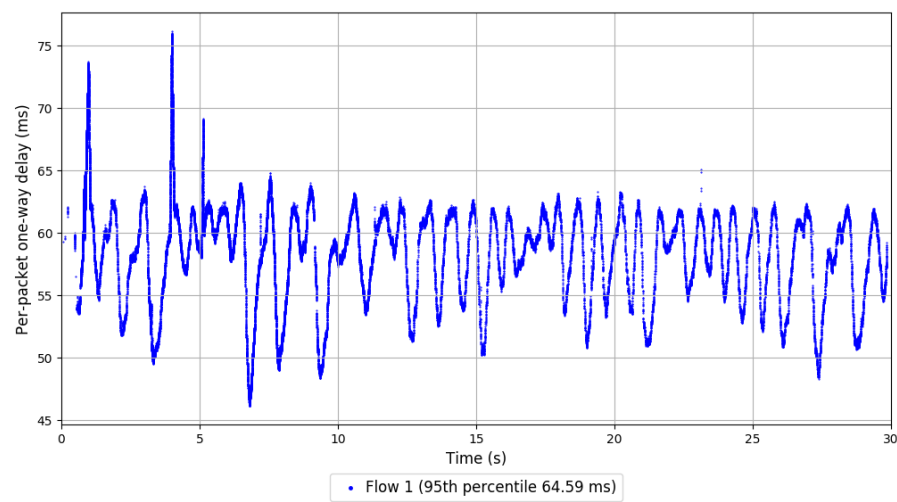
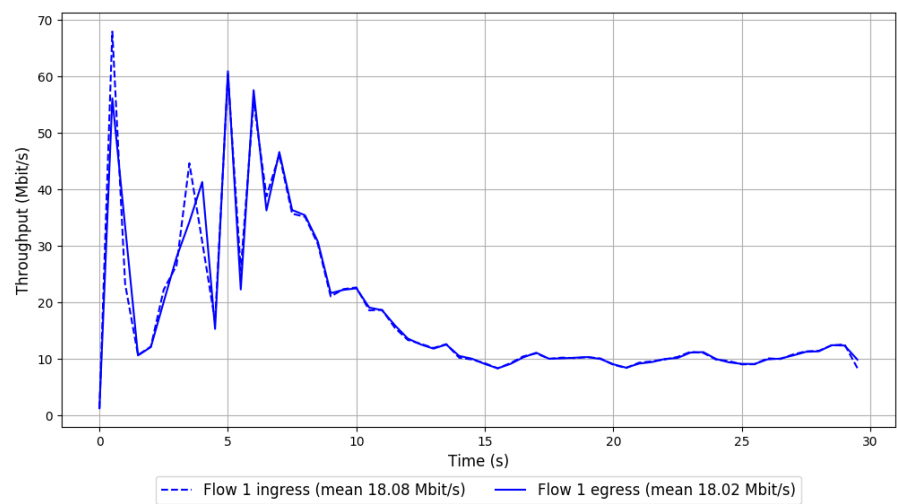
-- Flow 1:

Average throughput: 18.02 Mbit/s

95th percentile per-packet one-way delay: 64.589 ms

Loss rate: 0.32%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-10 14:09:24

End at: 2018-04-10 14:09:54

Local clock offset: 1.81 ms

Remote clock offset: 25.152 ms

# Below is generated by plot.py at 2018-04-10 16:47:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.80 Mbit/s

95th percentile per-packet one-way delay: 46.277 ms

Loss rate: 0.18%

-- Flow 1:

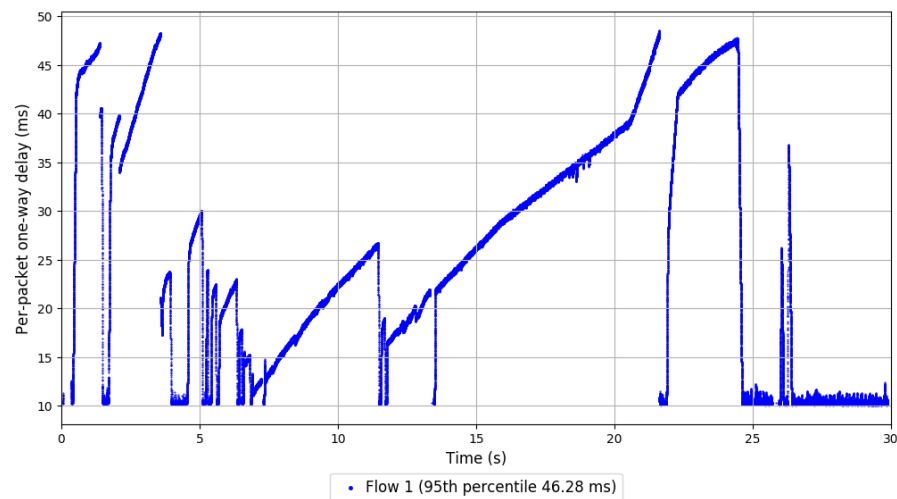
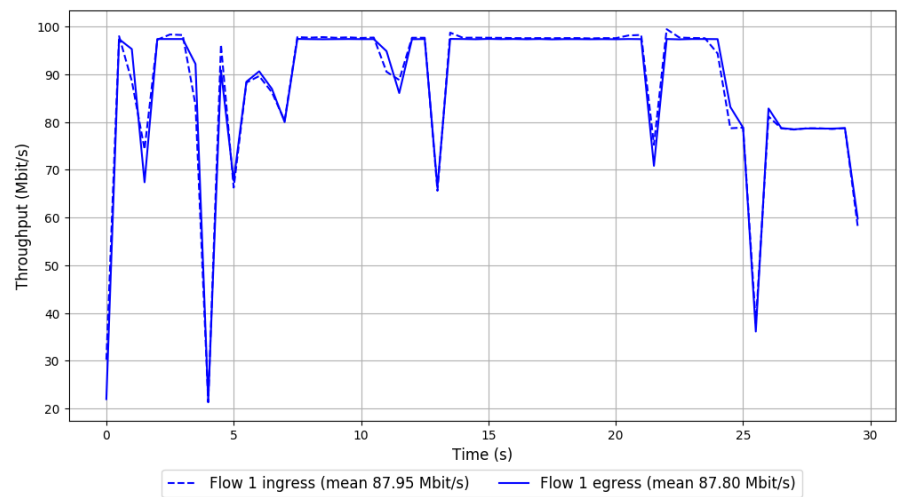
Average throughput: 87.80 Mbit/s

95th percentile per-packet one-way delay: 46.277 ms

Loss rate: 0.18%



Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-10 14:30:18

End at: 2018-04-10 14:30:48

Local clock offset: -0.839 ms

Remote clock offset: 31.57 ms

# Below is generated by plot.py at 2018-04-10 16:47:39

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.58 Mbit/s

95th percentile per-packet one-way delay: 48.939 ms

Loss rate: 0.39%

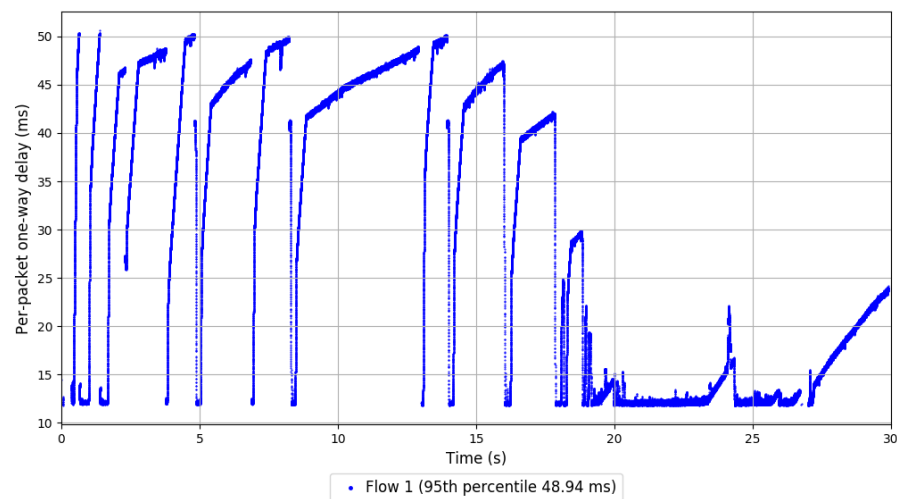
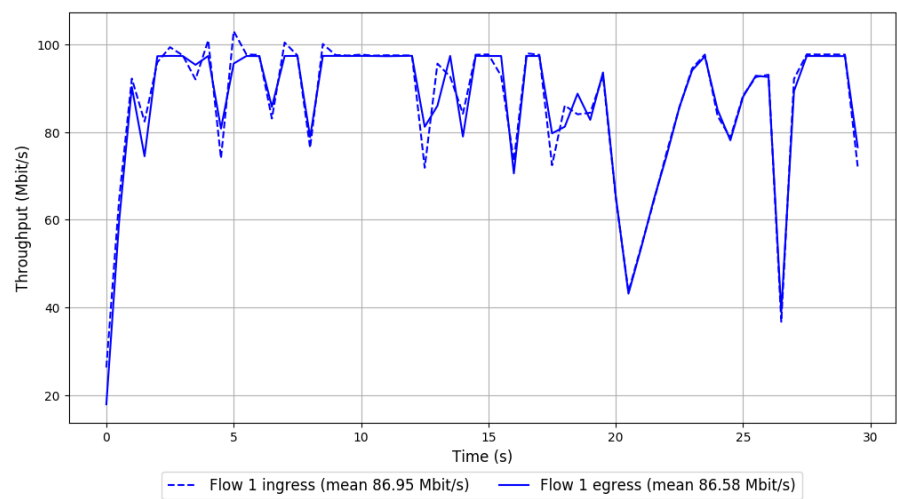
-- Flow 1:

Average throughput: 86.58 Mbit/s

95th percentile per-packet one-way delay: 48.939 ms

Loss rate: 0.39%

Run 6: Report of QUIC Cubic — Data Link

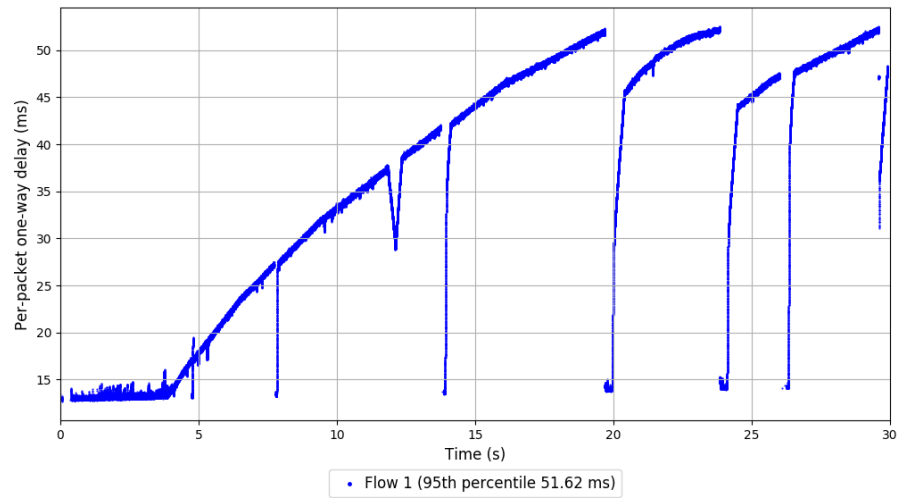
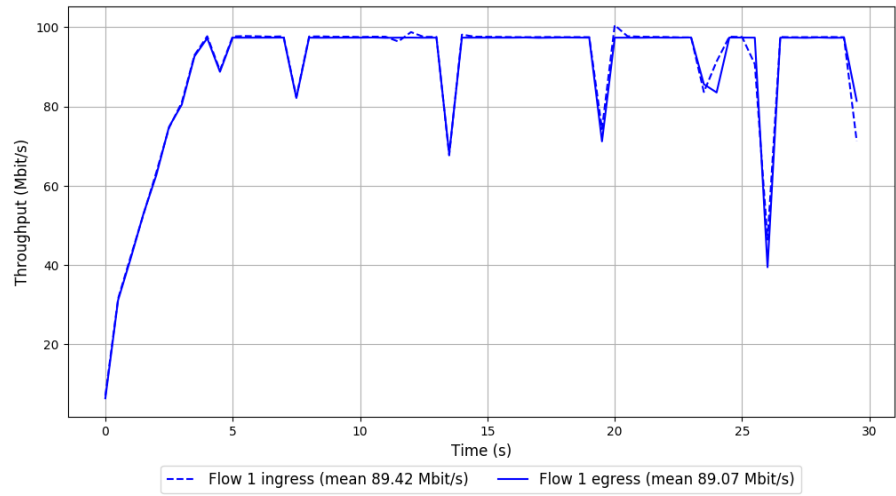


Run 7: Statistics of QUIC Cubic

Start at: 2018-04-10 14:52:16  
End at: 2018-04-10 14:52:46  
Local clock offset: -1.096 ms  
Remote clock offset: 22.929 ms

# Below is generated by plot.py at 2018-04-10 16:47:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.07 Mbit/s  
95th percentile per-packet one-way delay: 51.620 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 89.07 Mbit/s  
95th percentile per-packet one-way delay: 51.620 ms  
Loss rate: 0.28%

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

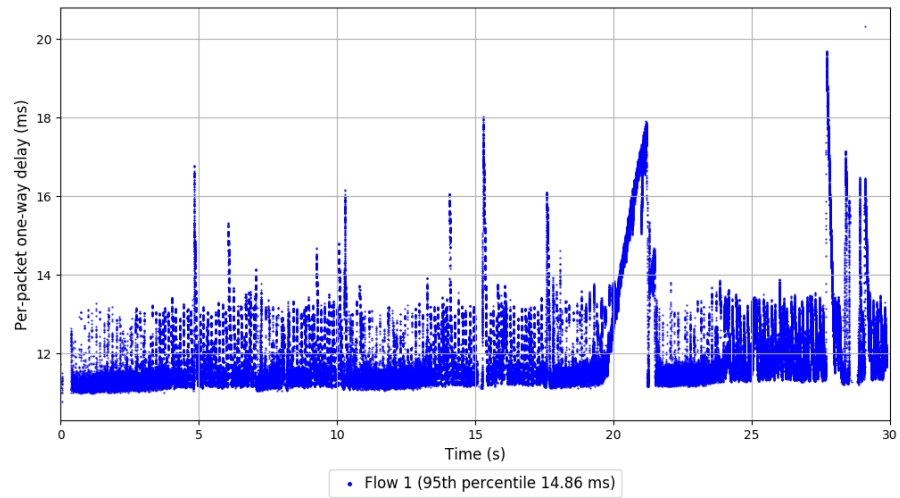
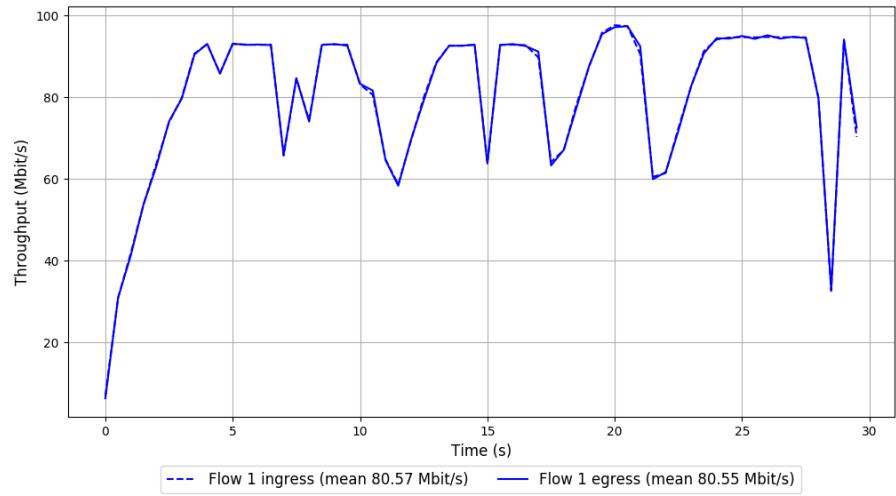


Run 8: Statistics of QUIC Cubic

Start at: 2018-04-10 15:14:09  
End at: 2018-04-10 15:14:39  
Local clock offset: -0.022 ms  
Remote clock offset: -4.865 ms

# Below is generated by plot.py at 2018-04-10 16:47:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.55 Mbit/s  
95th percentile per-packet one-way delay: 14.864 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 80.55 Mbit/s  
95th percentile per-packet one-way delay: 14.864 ms  
Loss rate: 0.02%

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



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-10 15:35:48

End at: 2018-04-10 15:36:18

Local clock offset: 1.127 ms

Remote clock offset: -2.491 ms

# Below is generated by plot.py at 2018-04-10 16:48:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.27 Mbit/s

95th percentile per-packet one-way delay: 46.328 ms

Loss rate: 0.35%

-- Flow 1:

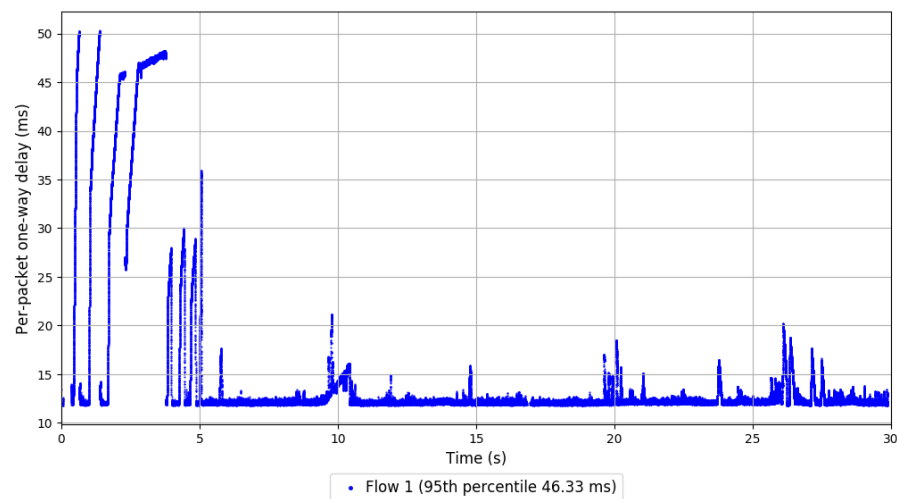
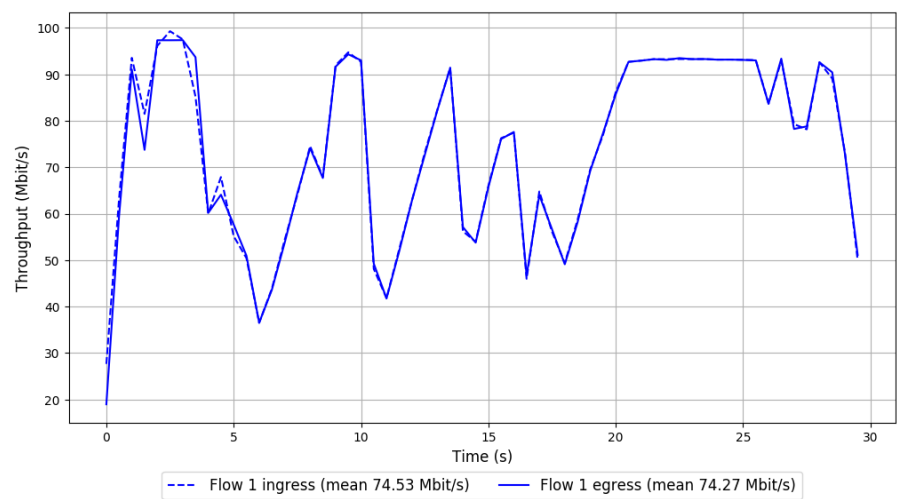
Average throughput: 74.27 Mbit/s

95th percentile per-packet one-way delay: 46.328 ms

Loss rate: 0.35%



Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-10 15:58:17

End at: 2018-04-10 15:58:47

Local clock offset: 0.94 ms

Remote clock offset: -4.031 ms

# Below is generated by plot.py at 2018-04-10 16:48:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.36 Mbit/s

95th percentile per-packet one-way delay: 47.786 ms

Loss rate: 0.46%

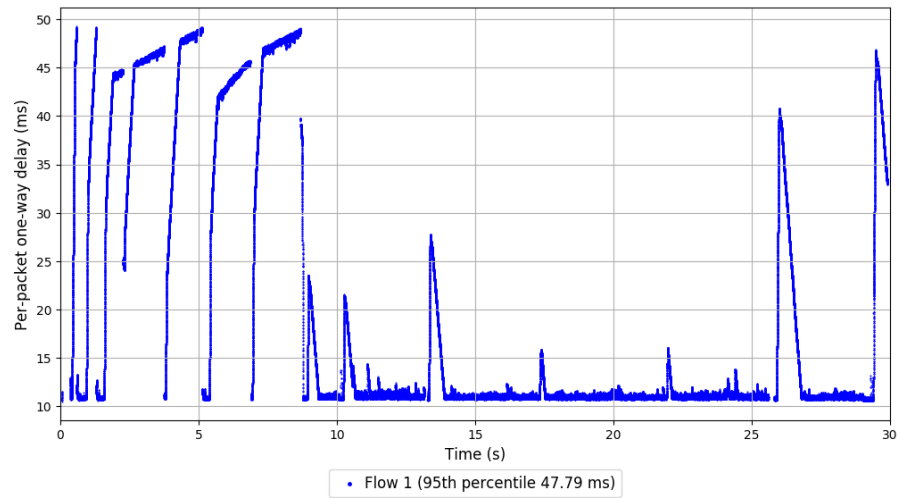
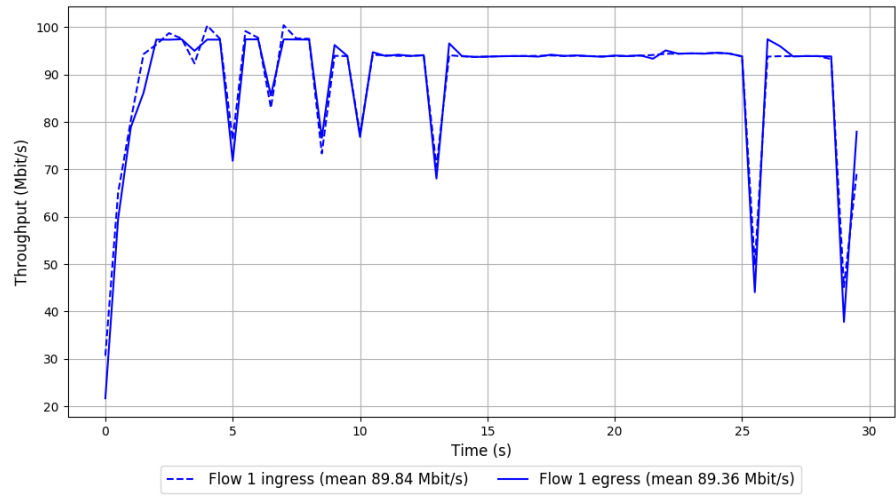
-- Flow 1:

Average throughput: 89.36 Mbit/s

95th percentile per-packet one-way delay: 47.786 ms

Loss rate: 0.46%

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

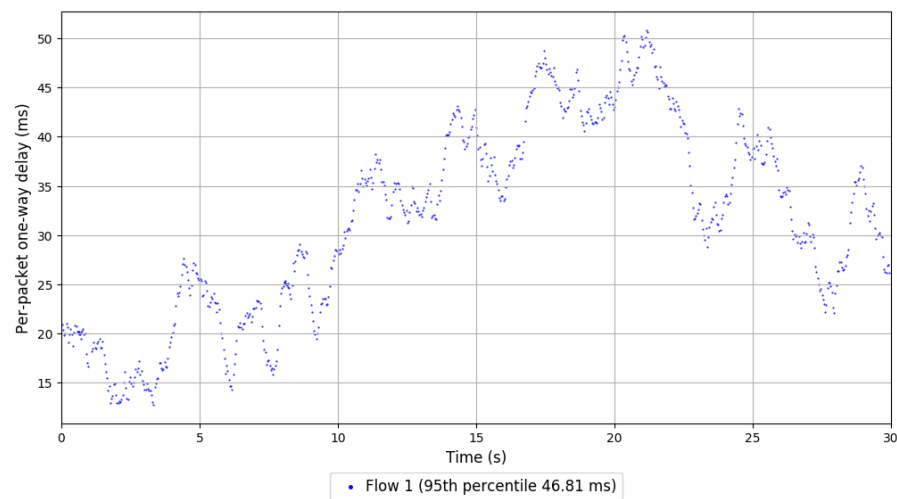
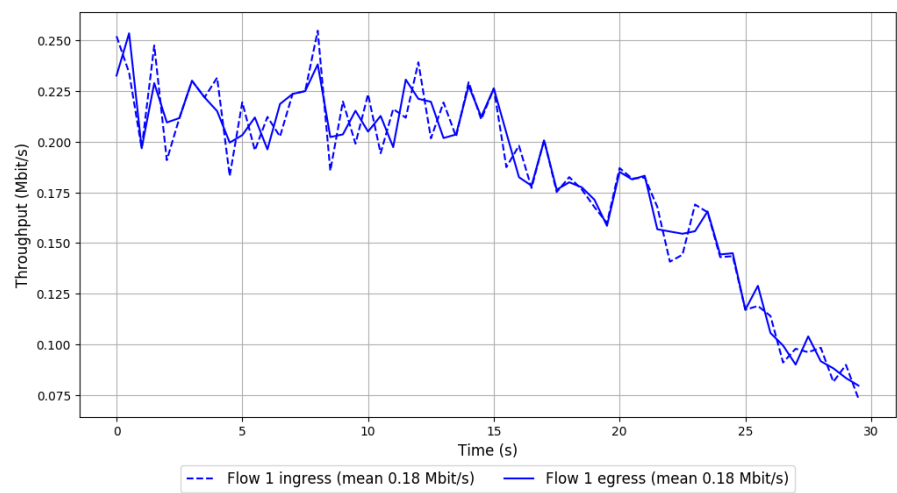


```
Run 1: Statistics of SCReAM

Start at: 2018-04-10 12:41:38
End at: 2018-04-10 12:42:08
Local clock offset: 0.872 ms
Remote clock offset: 5.245 ms

# Below is generated by plot.py at 2018-04-10 16:48:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 46.811 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 46.811 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link

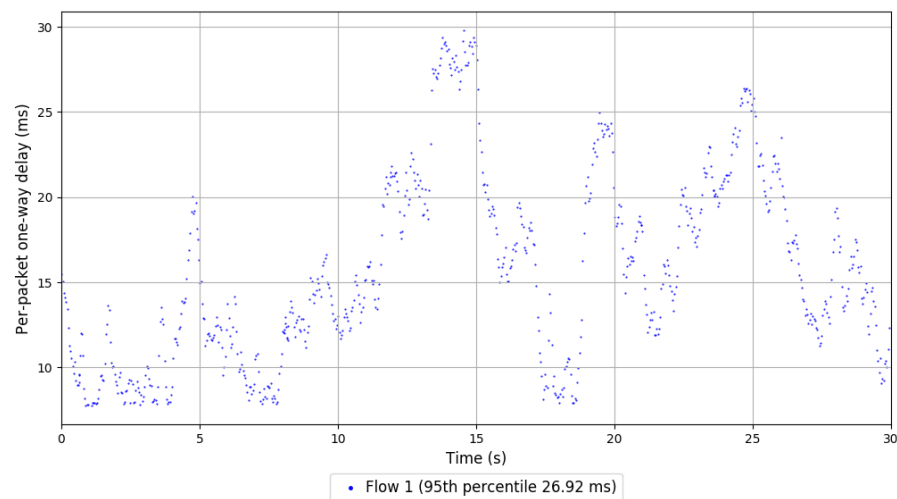
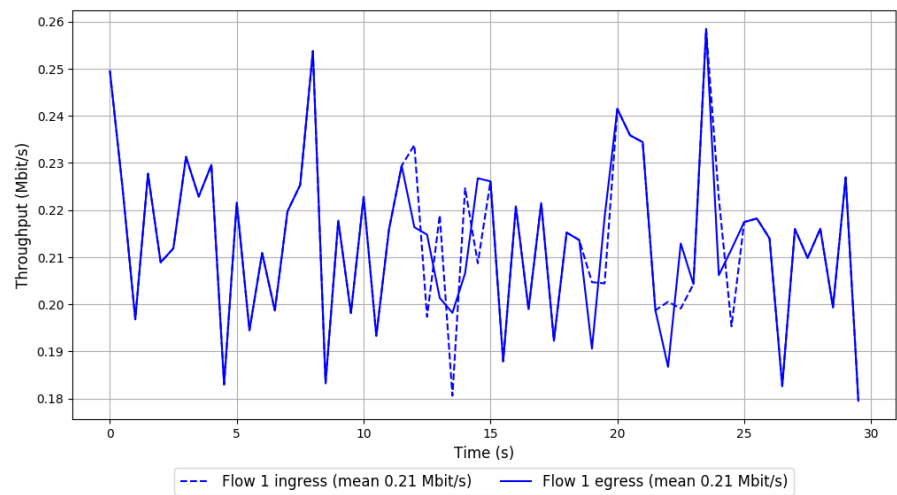


Run 2: Statistics of SCReAM

Start at: 2018-04-10 13:03:16  
End at: 2018-04-10 13:03:46  
Local clock offset: 0.379 ms  
Remote clock offset: -10.723 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 26.922 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 26.922 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



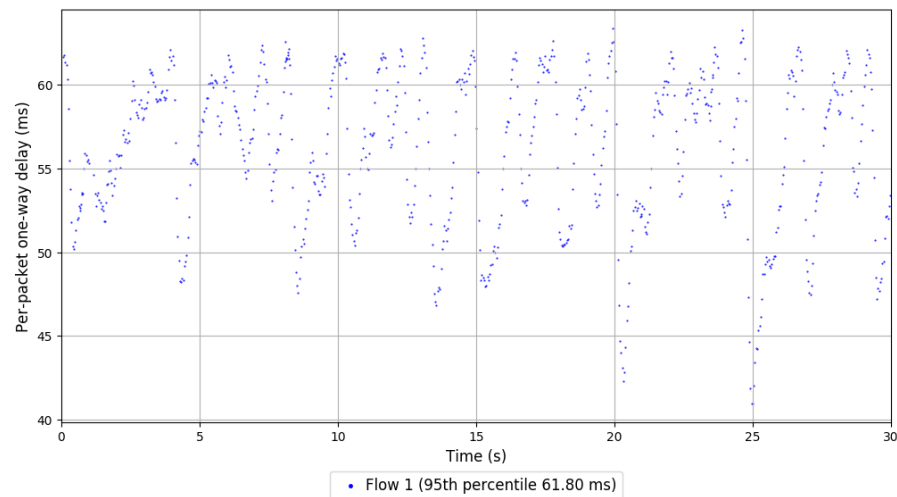
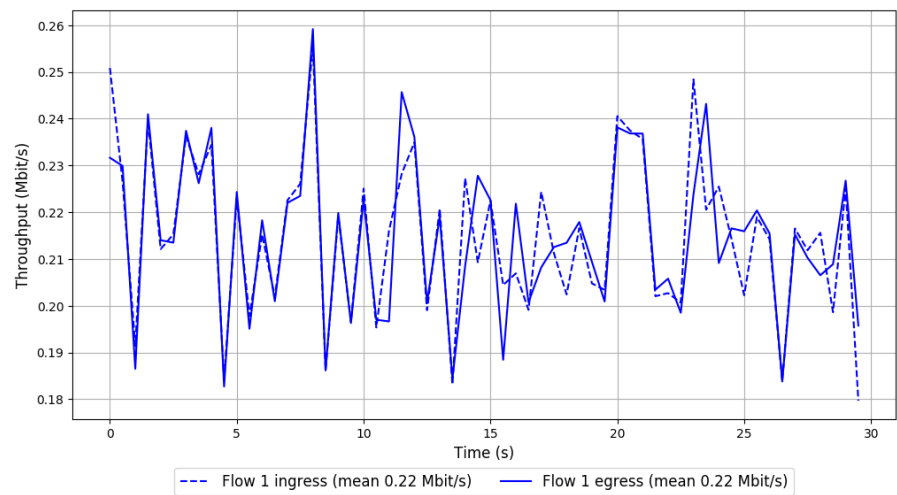
Run 3: Statistics of SCReAM

Start at: 2018-04-10 13:25:05  
End at: 2018-04-10 13:25:35  
Local clock offset: -0.139 ms  
Remote clock offset: -3.185 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 61.805 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 61.805 ms  
Loss rate: 0.00%



Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-04-10 13:46:47

End at: 2018-04-10 13:47:17

Local clock offset: 0.908 ms

Remote clock offset: 9.242 ms

# Below is generated by plot.py at 2018-04-10 16:48:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 61.472 ms

Loss rate: 0.42%

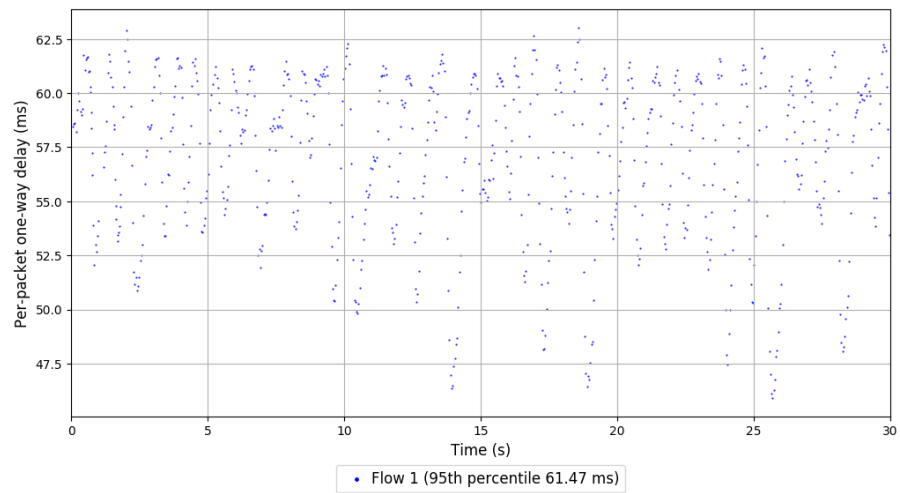
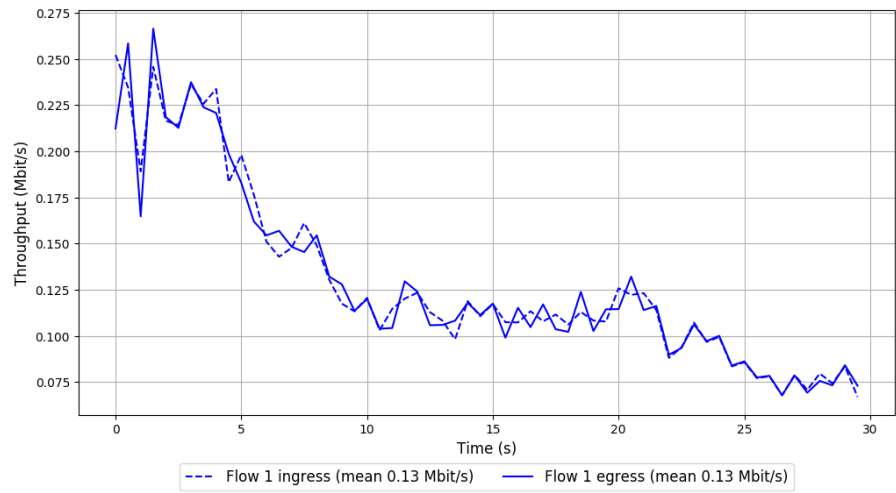
-- Flow 1:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 61.472 ms

Loss rate: 0.42%

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

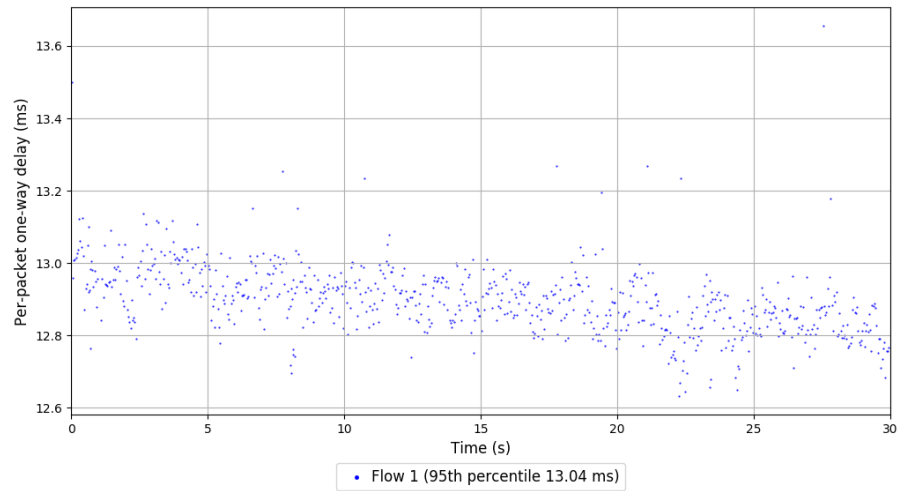
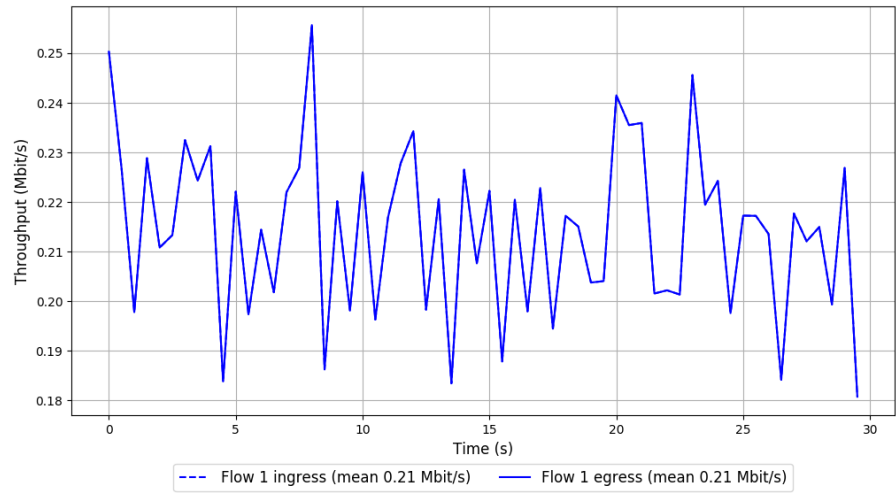


Run 5: Statistics of SCReAM

Start at: 2018-04-10 14:08:19  
End at: 2018-04-10 14:08:49  
Local clock offset: 1.662 ms  
Remote clock offset: 26.687 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 13.038 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 13.038 ms  
Loss rate: 0.00%

## Run 5: Report of SReAM — Data Link

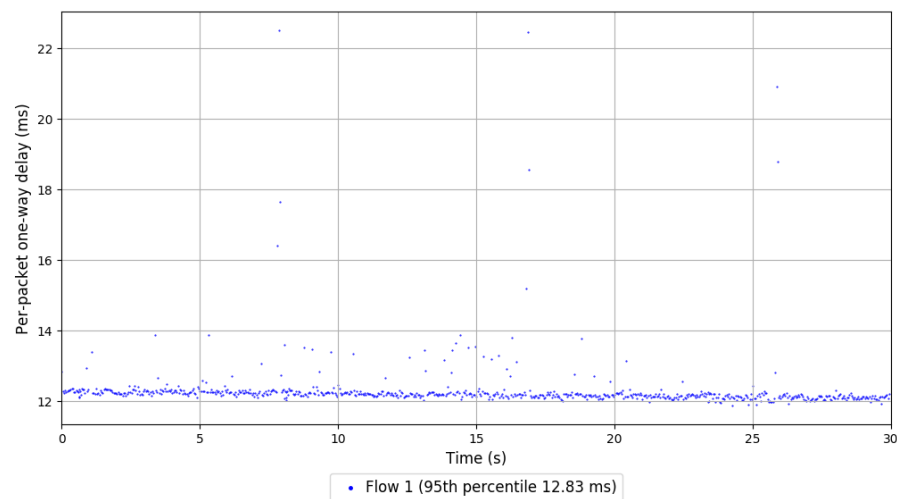
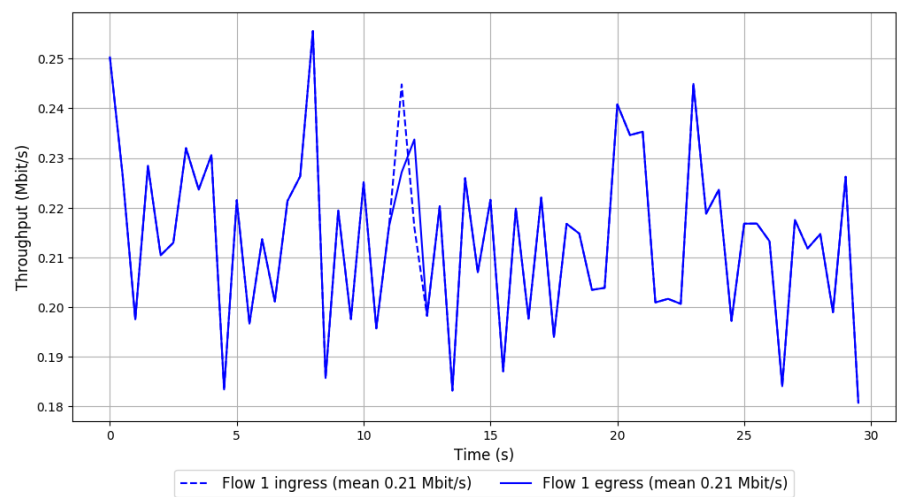


Run 6: Statistics of SCReAM

Start at: 2018-04-10 14:29:14  
End at: 2018-04-10 14:29:44  
Local clock offset: -1.242 ms  
Remote clock offset: 30.477 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 12.829 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 12.829 ms  
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



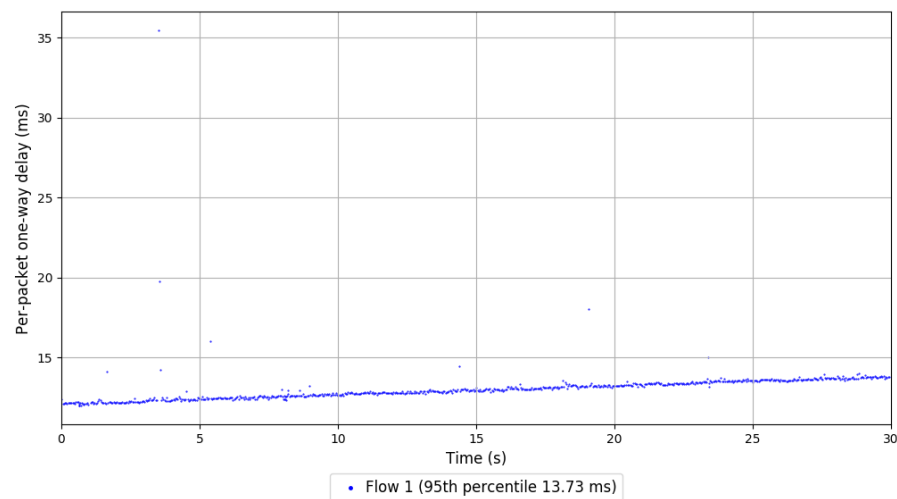
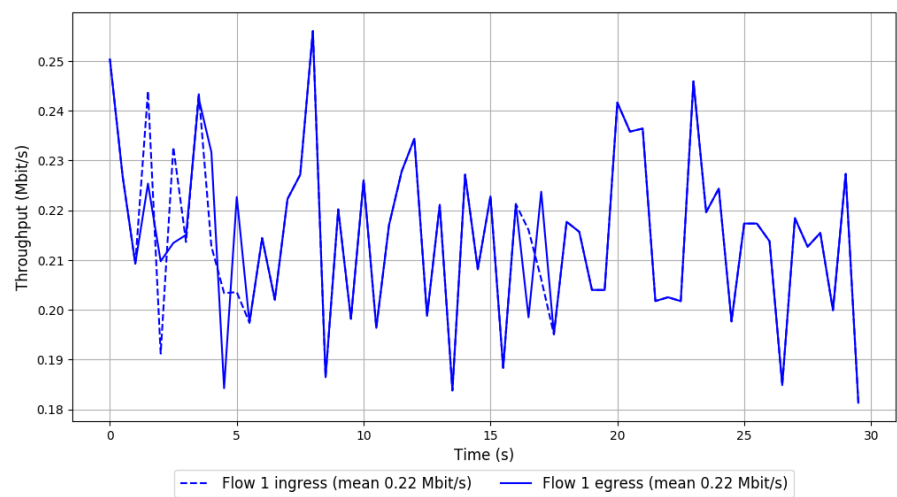
Run 7: Statistics of SCReAM

Start at: 2018-04-10 14:51:12  
End at: 2018-04-10 14:51:42  
Local clock offset: -0.296 ms  
Remote clock offset: 26.403 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 13.729 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 13.729 ms  
Loss rate: 0.00%



Run 7: Report of SReAM — Data Link

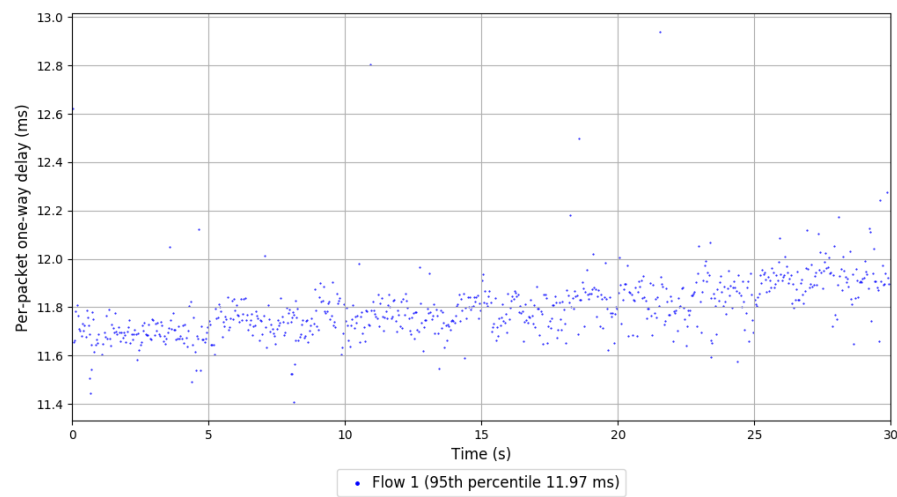
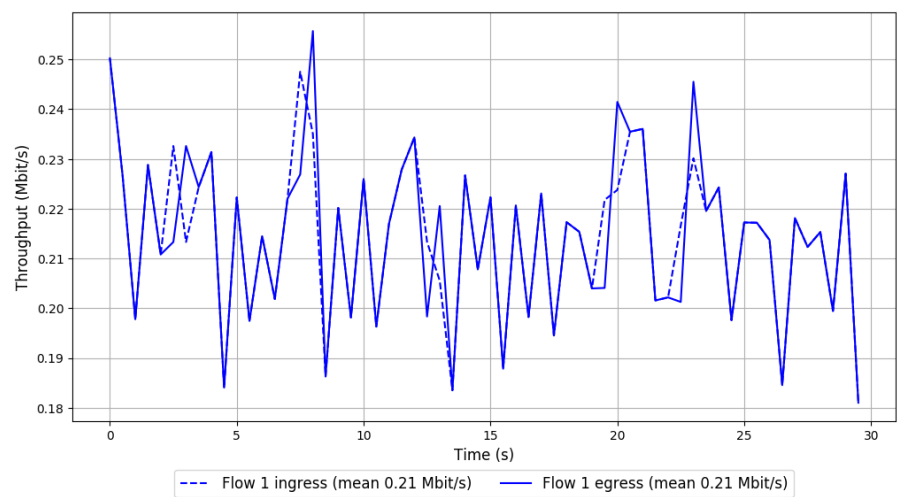


Run 8: Statistics of SCReAM

Start at: 2018-04-10 15:13:04  
End at: 2018-04-10 15:13:34  
Local clock offset: -0.342 ms  
Remote clock offset: -4.601 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 11.968 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 11.968 ms  
Loss rate: 0.00%

Run 8: Report of SReAM — Data Link

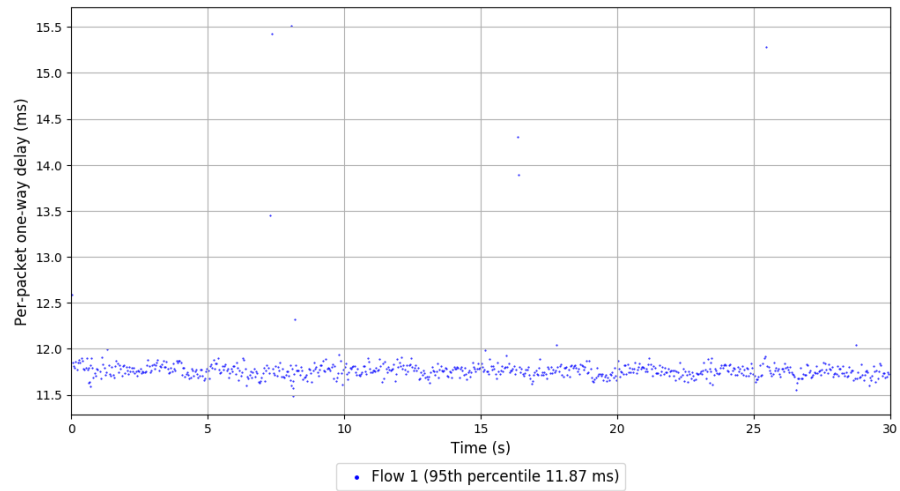
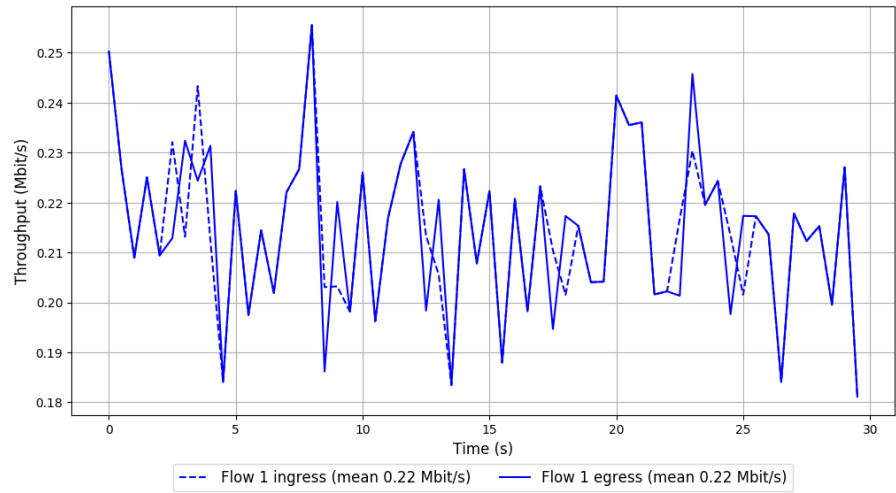


Run 9: Statistics of SCReAM

Start at: 2018-04-10 15:34:43  
End at: 2018-04-10 15:35:13  
Local clock offset: 1.022 ms  
Remote clock offset: -2.536 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 11.874 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 11.874 ms  
Loss rate: 0.00%

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



Run 10: Statistics of SReAM

Start at: 2018-04-10 15:57:12

End at: 2018-04-10 15:57:42

Local clock offset: 1.078 ms

Remote clock offset: -3.109 ms

# Below is generated by plot.py at 2018-04-10 16:48:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 12.068 ms

Loss rate: 0.00%

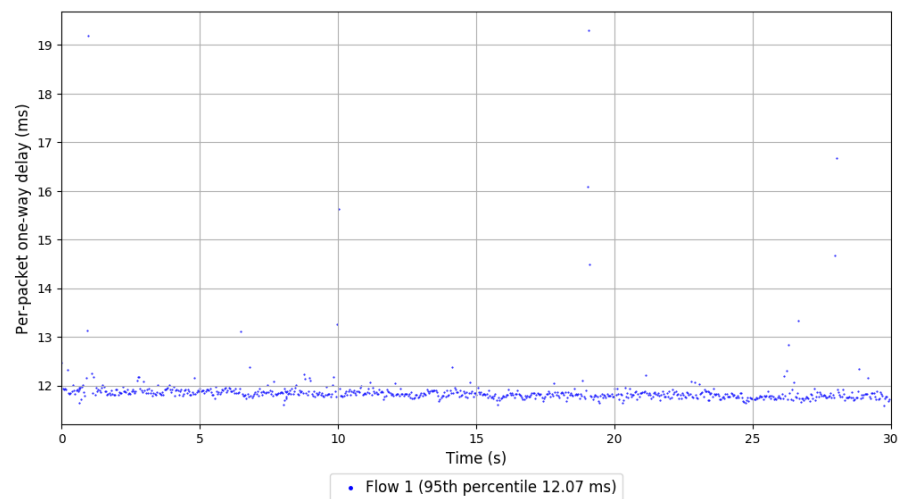
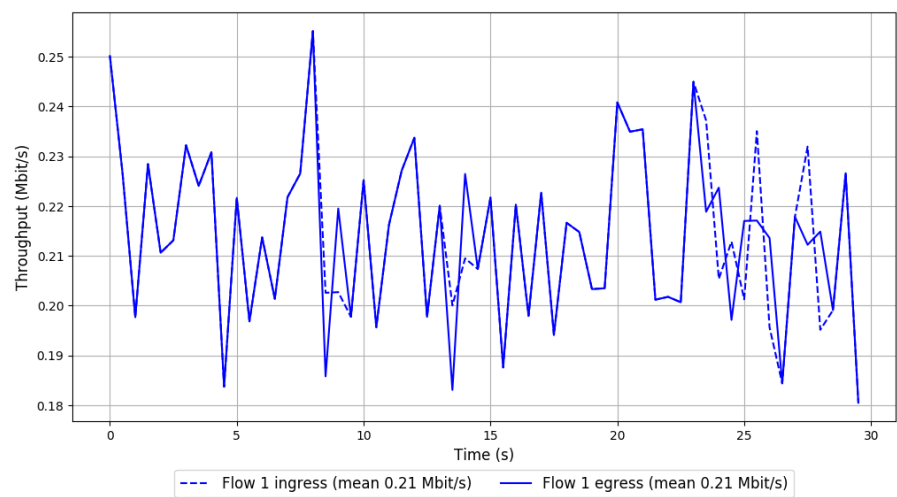
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 12.068 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



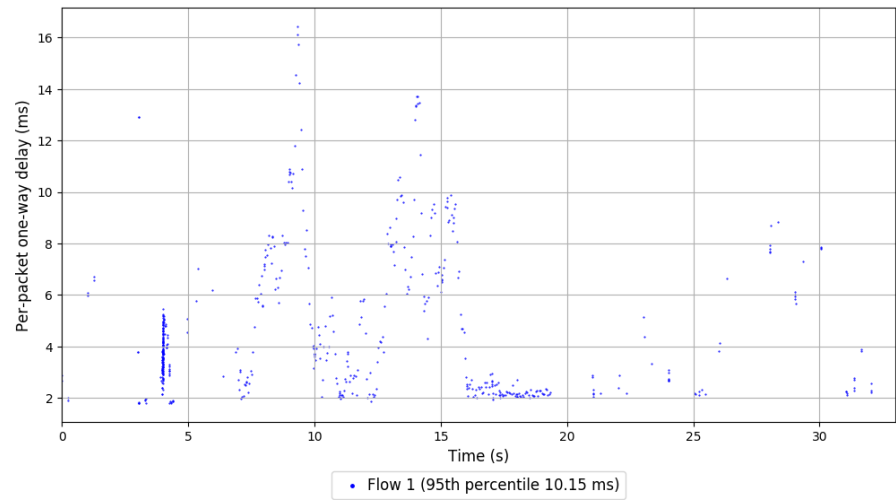
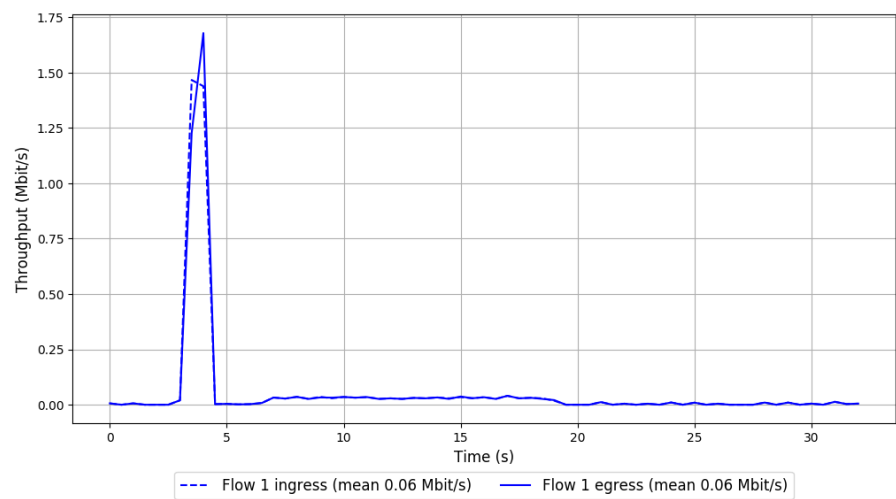
Run 1: Statistics of WebRTC media

Start at: 2018-04-10 12:49:09  
End at: 2018-04-10 12:49:39  
Local clock offset: -0.013 ms  
Remote clock offset: -12.087 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 10.152 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 10.152 ms  
Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link

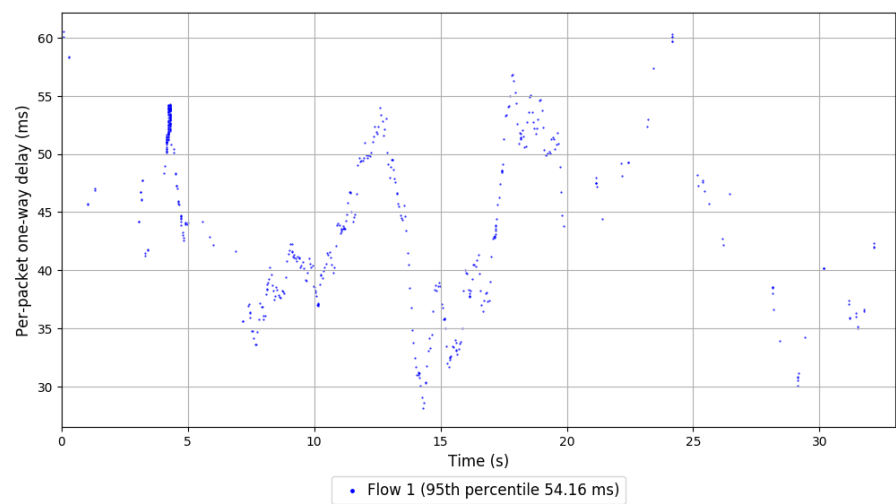
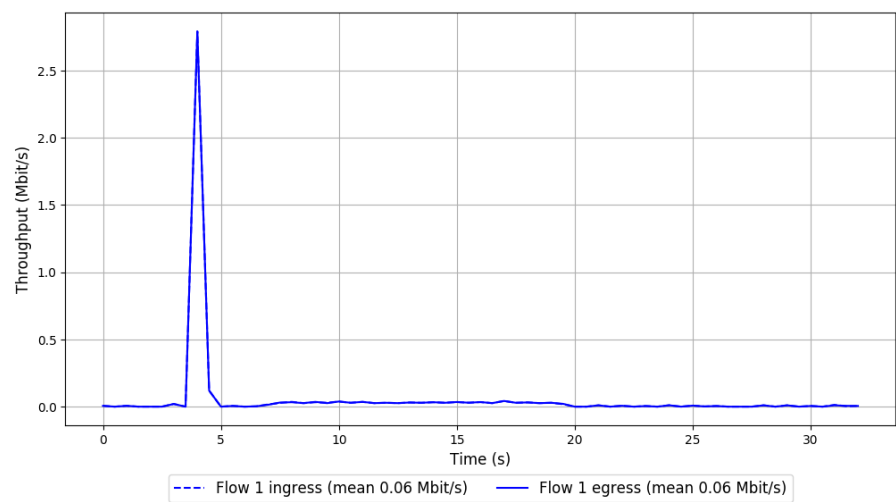


Run 2: Statistics of WebRTC media

Start at: 2018-04-10 13:10:21  
End at: 2018-04-10 13:10:51  
Local clock offset: 0.859 ms  
Remote clock offset: -4.949 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 54.160 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 54.160 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

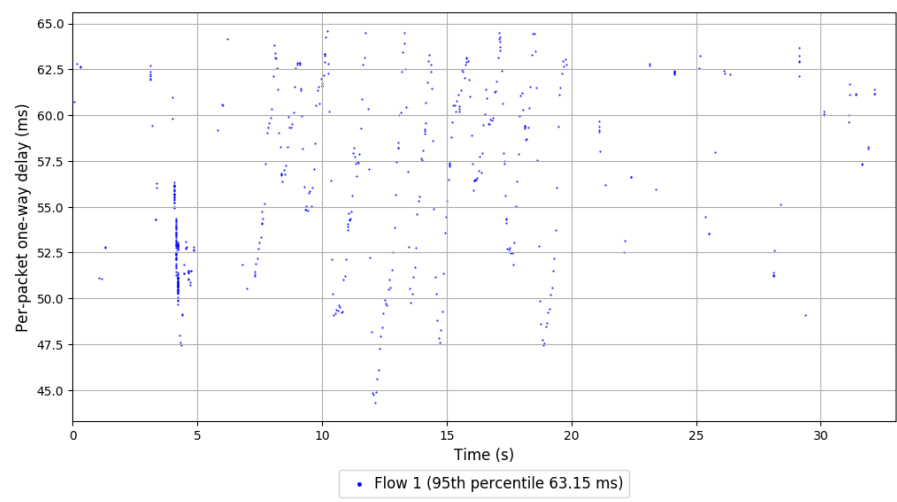
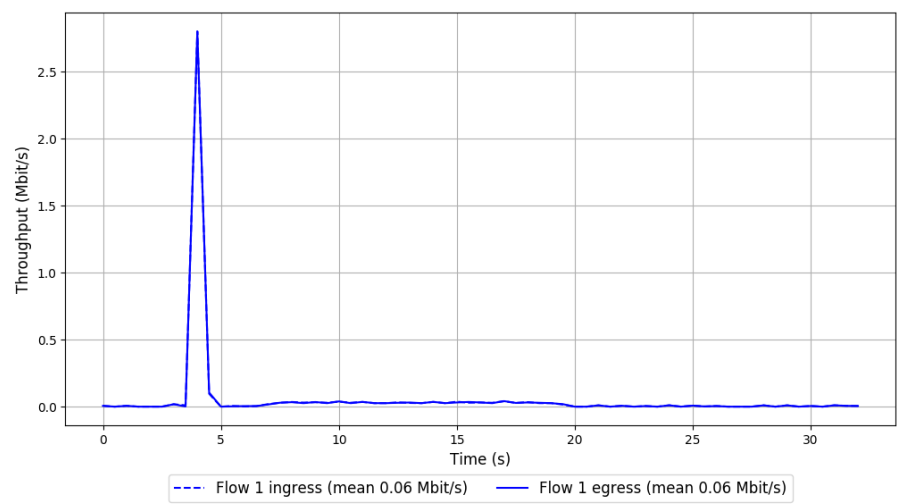


Run 3: Statistics of WebRTC media

Start at: 2018-04-10 13:32:37  
End at: 2018-04-10 13:33:07  
Local clock offset: -0.306 ms  
Remote clock offset: -1.561 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 63.147 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 63.147 ms  
Loss rate: 0.27%

Run 3: Report of WebRTC media — Data Link

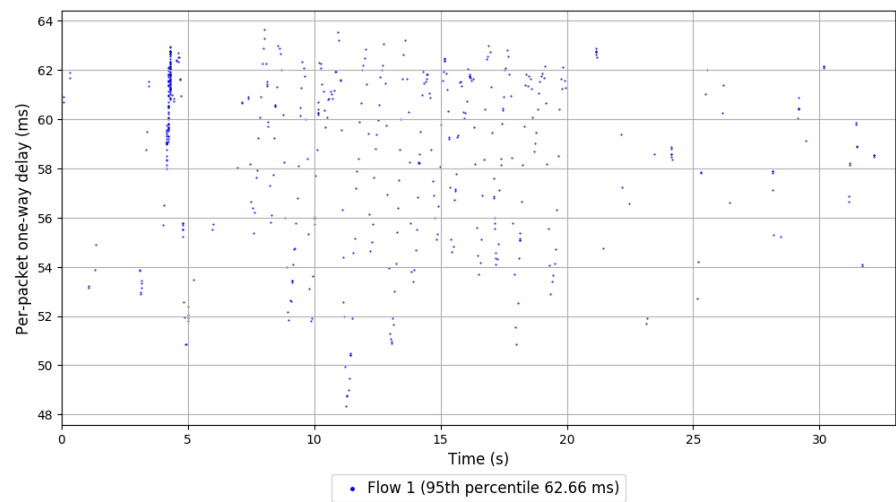
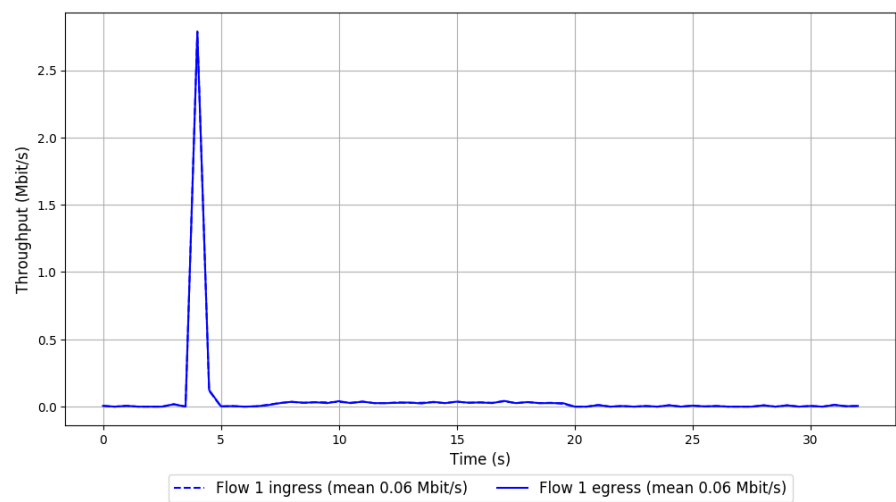


Run 4: Statistics of WebRTC media

Start at: 2018-04-10 13:53:58  
End at: 2018-04-10 13:54:28  
Local clock offset: 0.976 ms  
Remote clock offset: 16.755 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 62.656 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 62.656 ms  
Loss rate: 0.14%

Run 4: Report of WebRTC media — Data Link



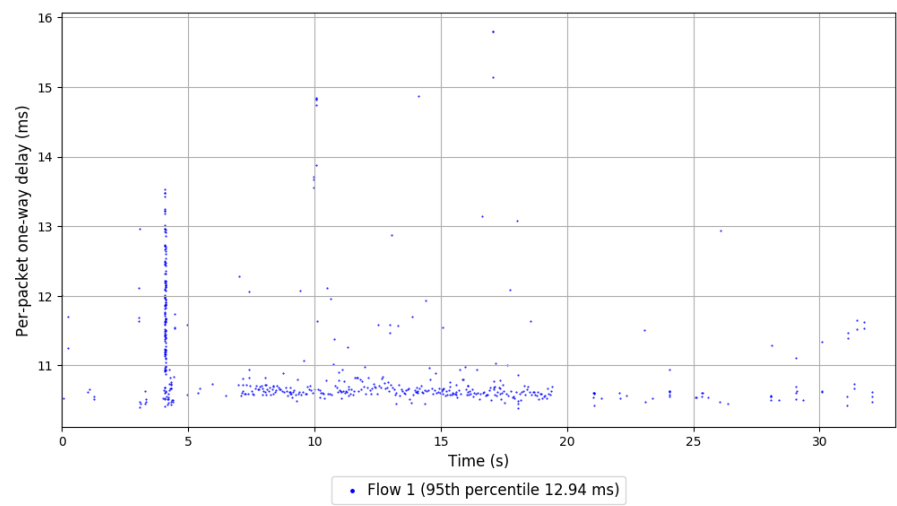
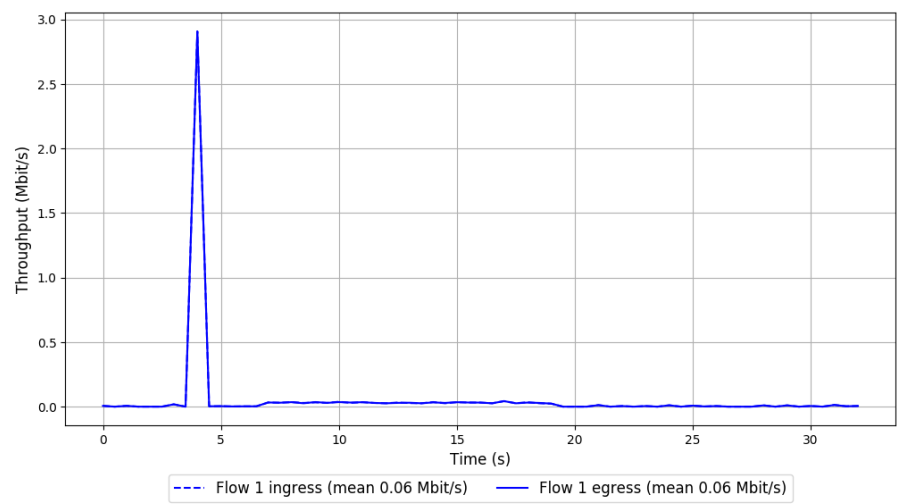
Run 5: Statistics of WebRTC media

Start at: 2018-04-10 14:15:19  
End at: 2018-04-10 14:15:49  
Local clock offset: 0.527 ms  
Remote clock offset: 27.423 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 12.941 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 12.941 ms  
Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link

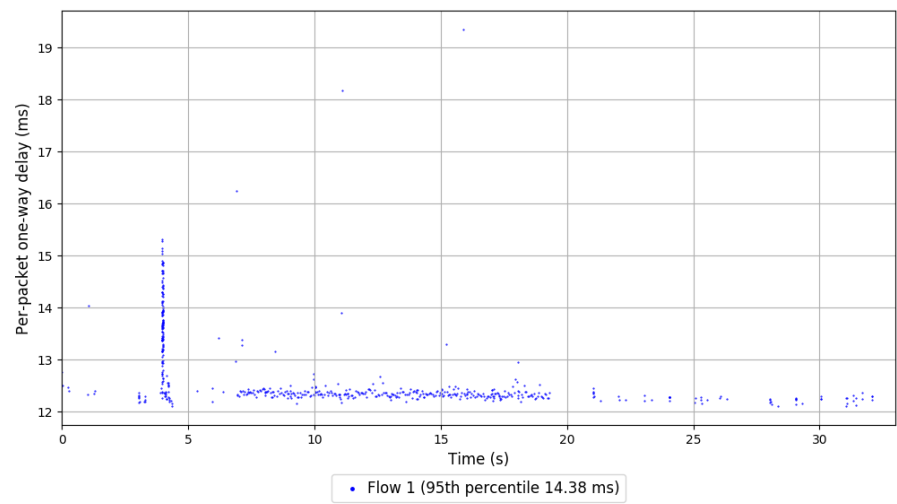
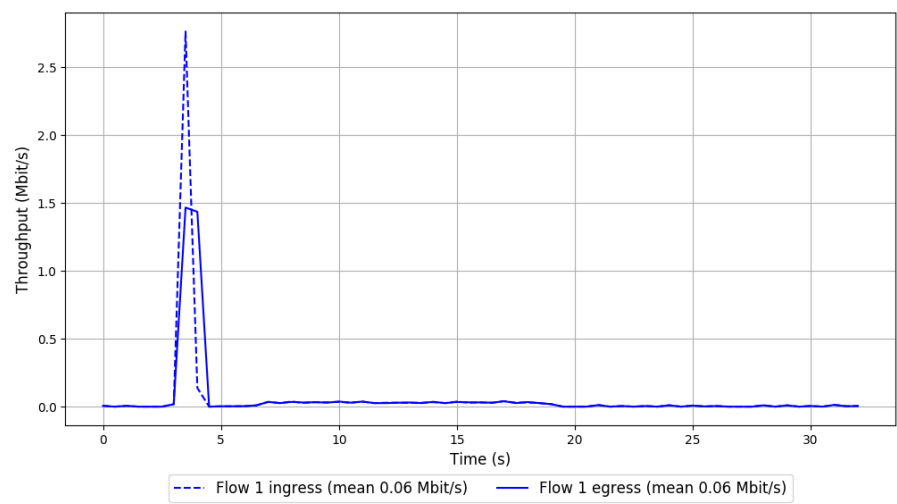


Run 6: Statistics of WebRTC media

Start at: 2018-04-10 14:36:30  
End at: 2018-04-10 14:37:00  
Local clock offset: -1.621 ms  
Remote clock offset: 33.294 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 14.379 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 14.379 ms  
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-10 14:58:31

End at: 2018-04-10 14:59:01

Local clock offset: -0.843 ms

Remote clock offset: 8.092 ms

# Below is generated by plot.py at 2018-04-10 16:48:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 13.754 ms

Loss rate: 0.00%

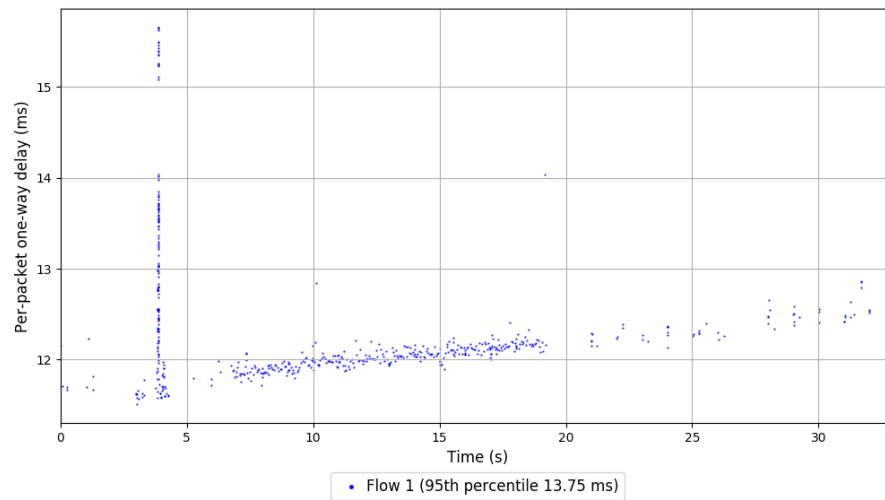
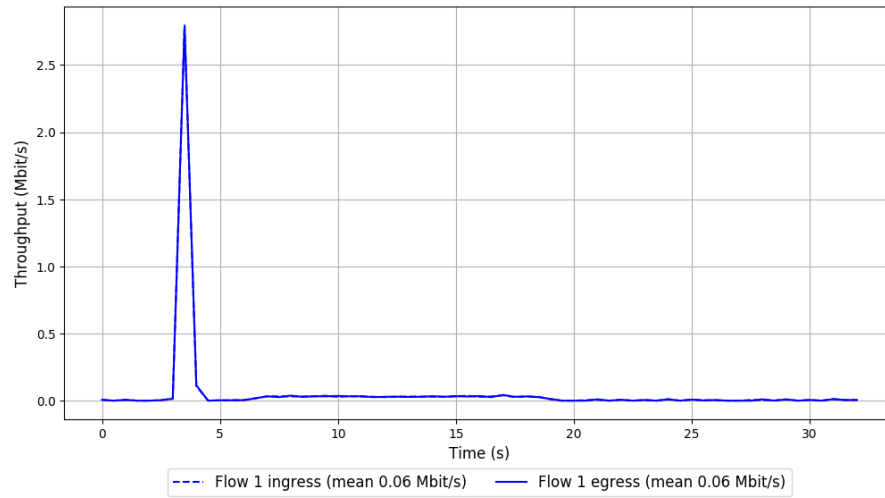
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 13.754 ms

Loss rate: 0.00%

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

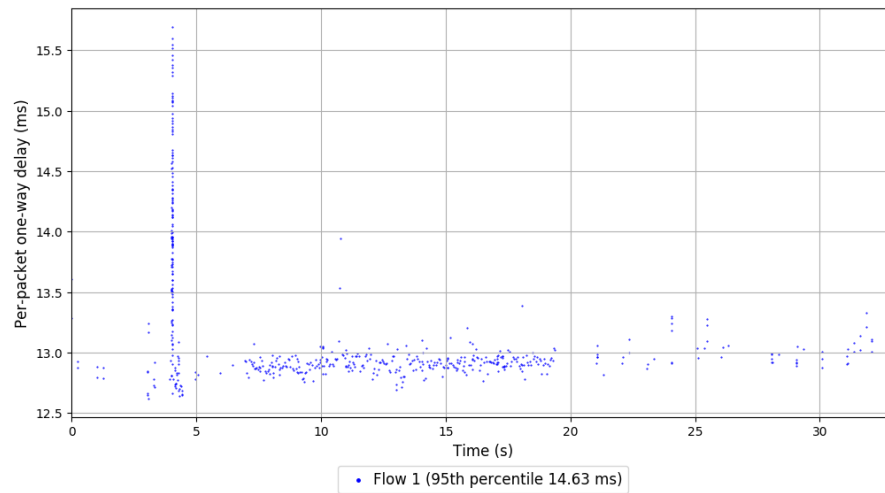
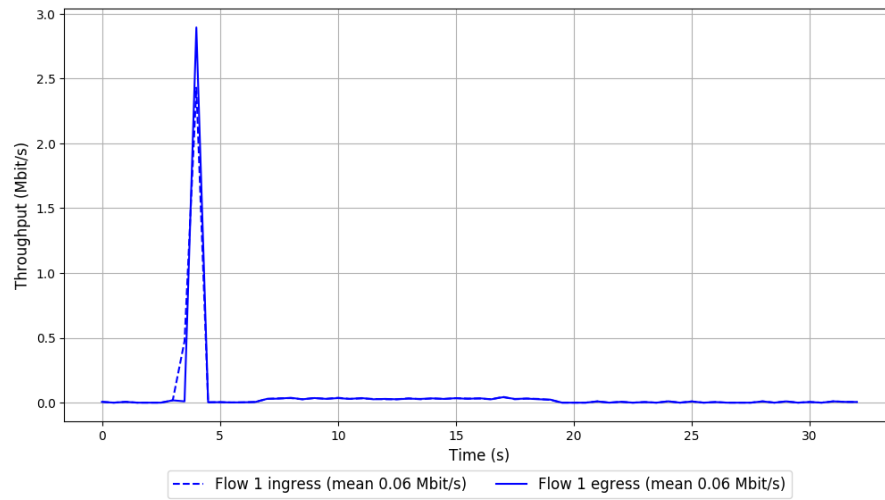


Run 8: Statistics of WebRTC media

Start at: 2018-04-10 15:20:26  
End at: 2018-04-10 15:20:57  
Local clock offset: 0.321 ms  
Remote clock offset: -5.591 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 14.632 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 14.632 ms  
Loss rate: 0.00%

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



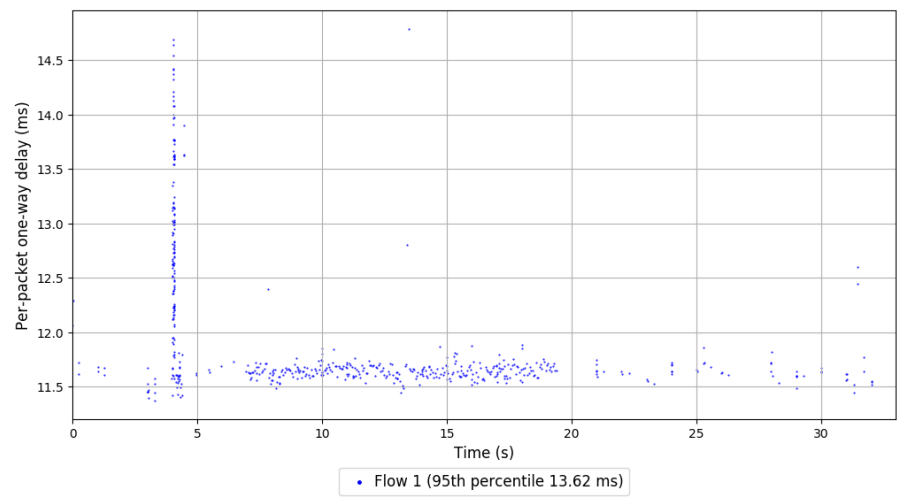
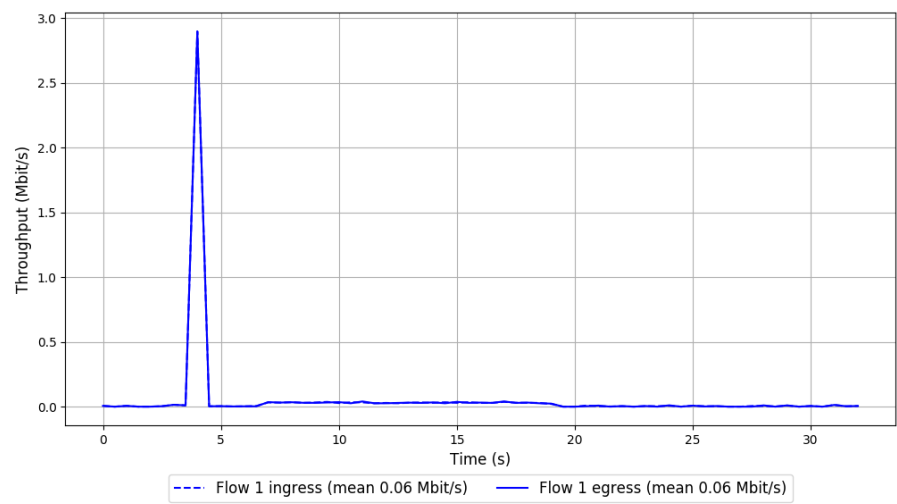
Run 9: Statistics of WebRTC media

Start at: 2018-04-10 15:42:01  
End at: 2018-04-10 15:42:32  
Local clock offset: 1.229 ms  
Remote clock offset: -2.077 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 13.622 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 13.622 ms  
Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link

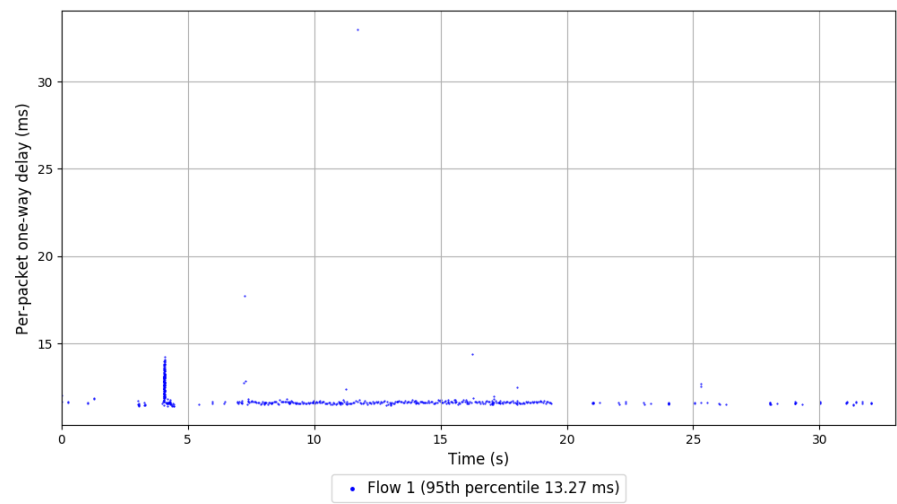
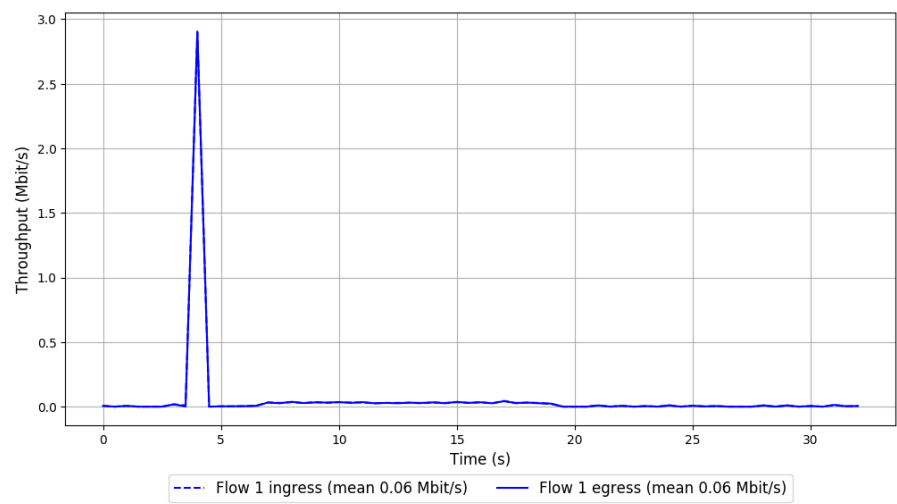


Run 10: Statistics of WebRTC media

Start at: 2018-04-10 16:04:39  
End at: 2018-04-10 16:05:09  
Local clock offset: 0.829 ms  
Remote clock offset: -1.918 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 13.266 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 13.266 ms  
Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

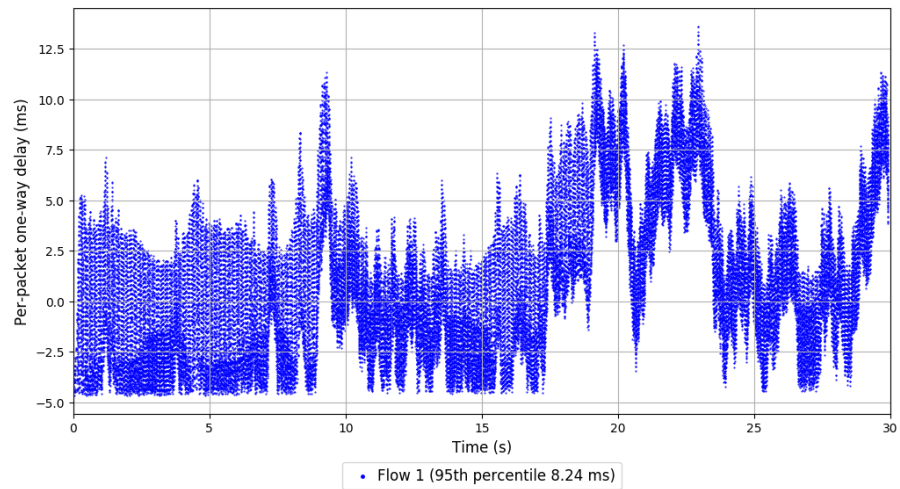
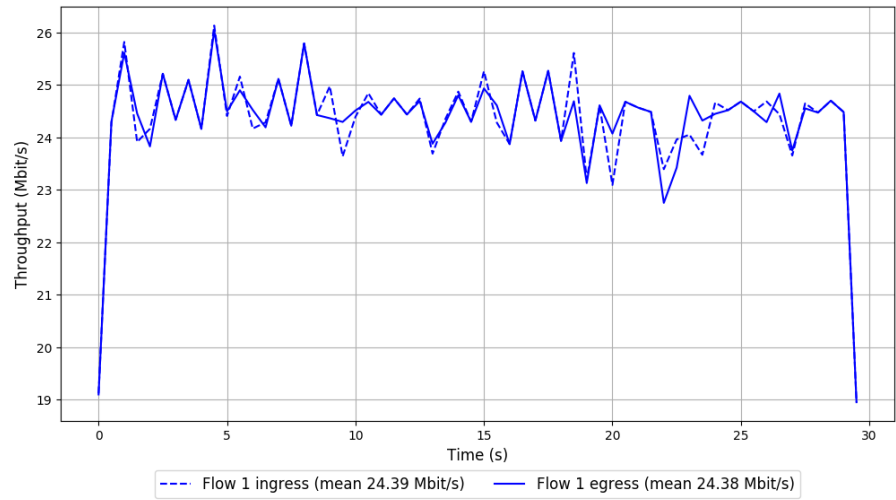


Run 1: Statistics of Sprout

Start at: 2018-04-10 12:51:25  
End at: 2018-04-10 12:51:56  
Local clock offset: 0.859 ms  
Remote clock offset: -18.53 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.38 Mbit/s  
95th percentile per-packet one-way delay: 8.242 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 24.38 Mbit/s  
95th percentile per-packet one-way delay: 8.242 ms  
Loss rate: 0.00%

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

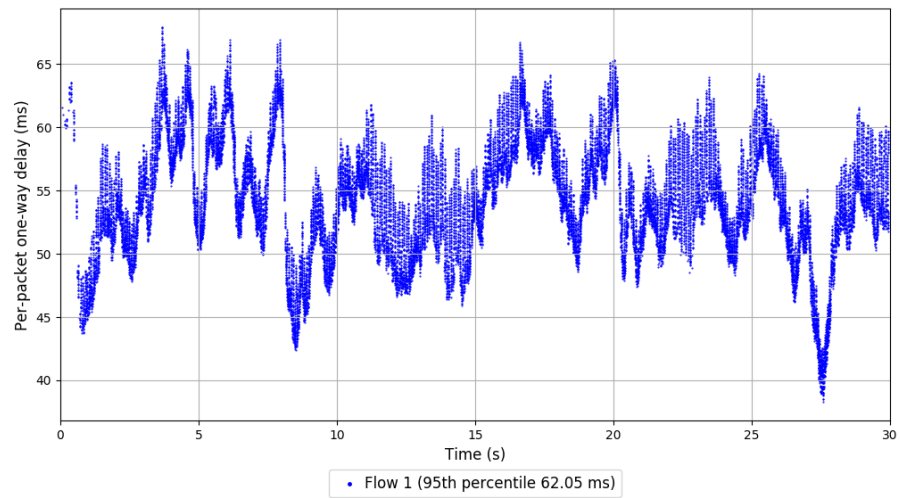
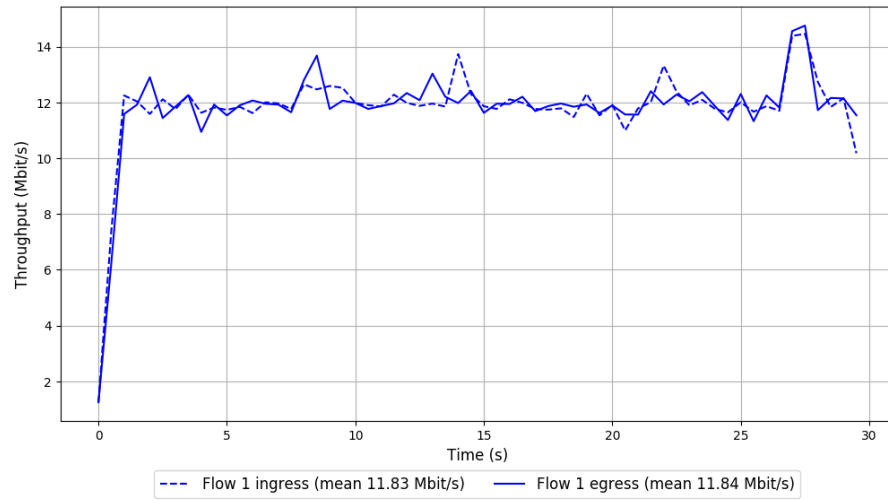


Run 2: Statistics of Sprout

Start at: 2018-04-10 13:12:38  
End at: 2018-04-10 13:13:08  
Local clock offset: 0.663 ms  
Remote clock offset: -3.781 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.84 Mbit/s  
95th percentile per-packet one-way delay: 62.047 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 11.84 Mbit/s  
95th percentile per-packet one-way delay: 62.047 ms  
Loss rate: 0.05%

## Run 2: Report of Sprout — Data Link



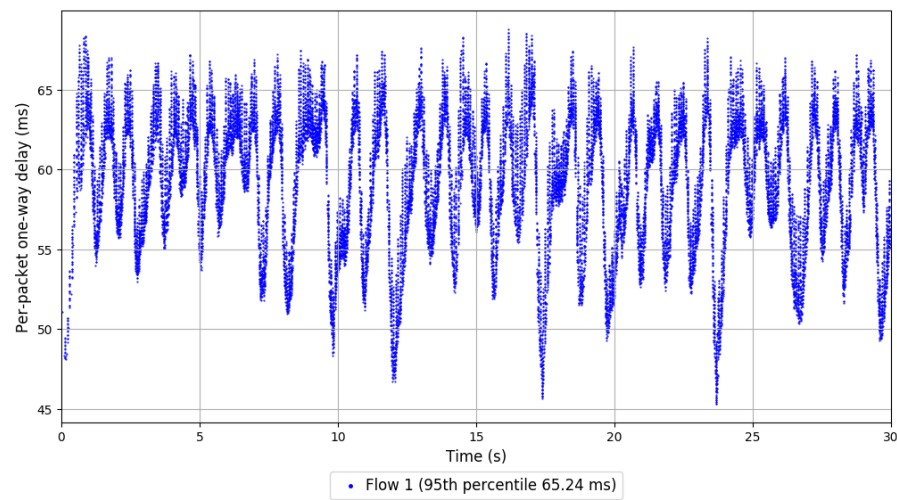
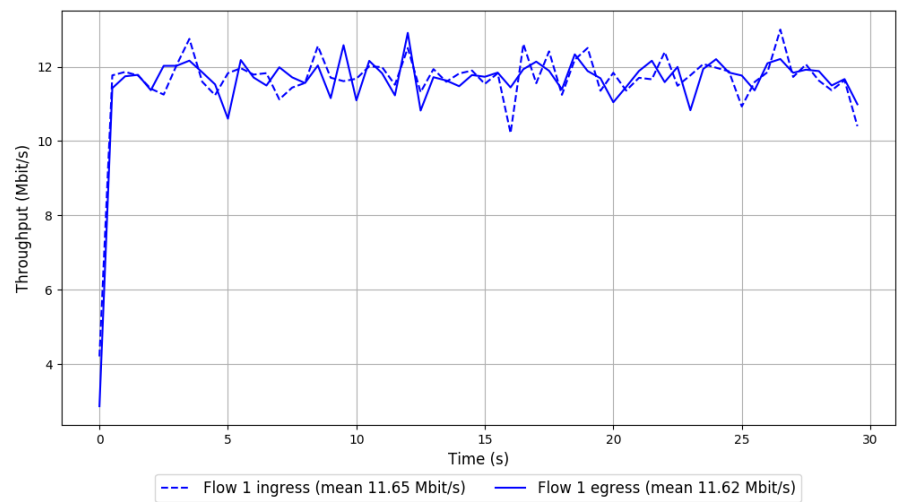
Run 3: Statistics of Sprout

Start at: 2018-04-10 13:34:57  
End at: 2018-04-10 13:35:27  
Local clock offset: -0.561 ms  
Remote clock offset: -2.766 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.62 Mbit/s  
95th percentile per-packet one-way delay: 65.241 ms  
Loss rate: 0.35%  
-- Flow 1:  
Average throughput: 11.62 Mbit/s  
95th percentile per-packet one-way delay: 65.241 ms  
Loss rate: 0.35%



Run 3: Report of Sprout — Data Link

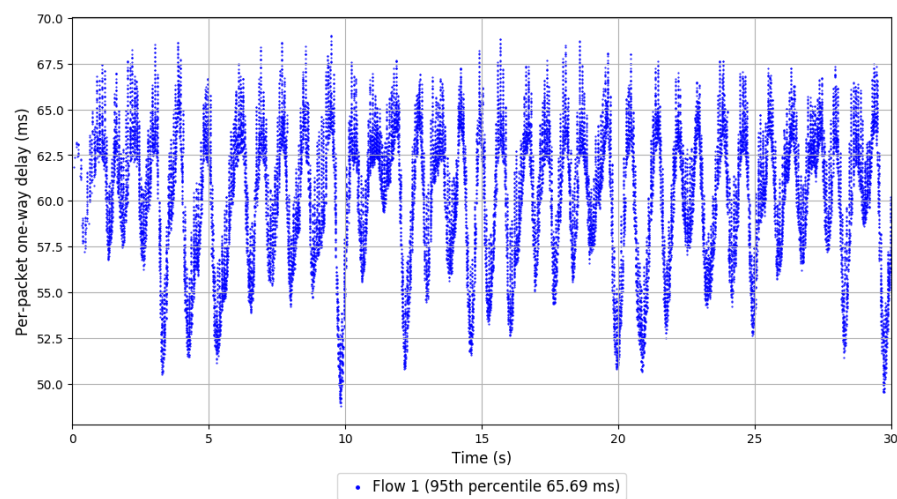
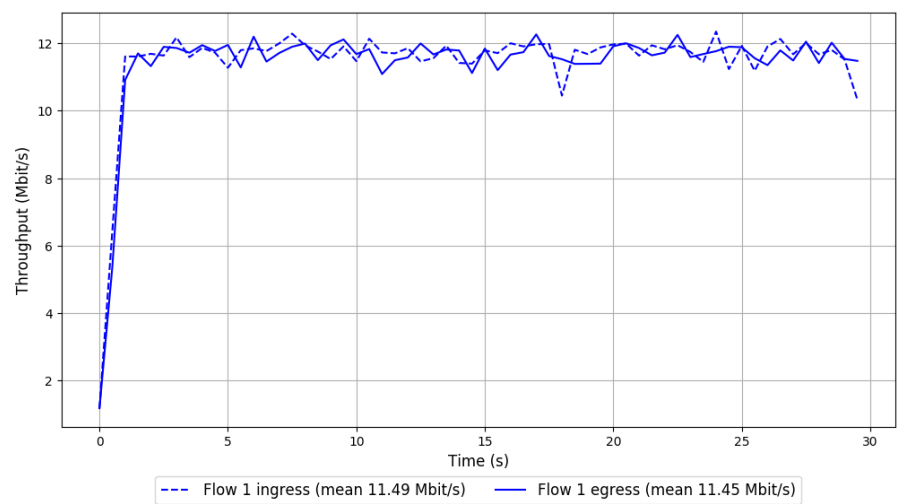


Run 4: Statistics of Sprout

Start at: 2018-04-10 13:56:35  
End at: 2018-04-10 13:57:05  
Local clock offset: 1.544 ms  
Remote clock offset: 19.815 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.45 Mbit/s  
95th percentile per-packet one-way delay: 65.685 ms  
Loss rate: 0.43%  
-- Flow 1:  
Average throughput: 11.45 Mbit/s  
95th percentile per-packet one-way delay: 65.685 ms  
Loss rate: 0.43%

Run 4: Report of Sprout — Data Link

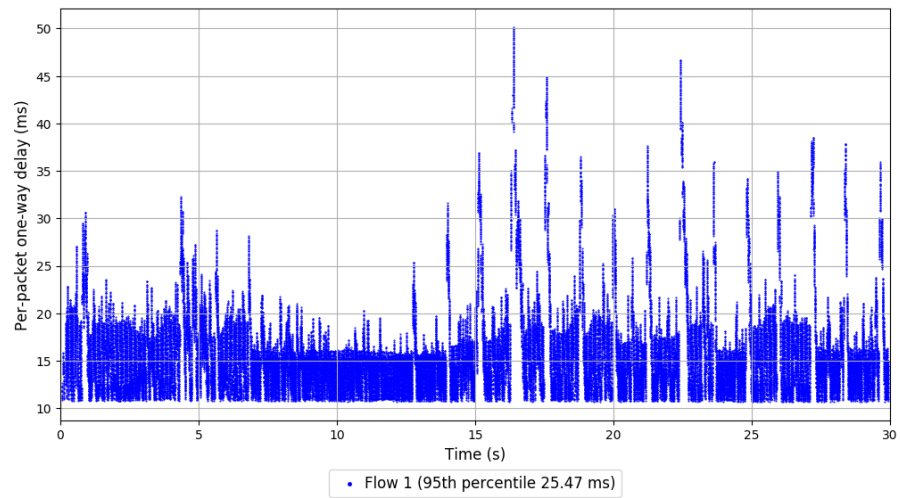
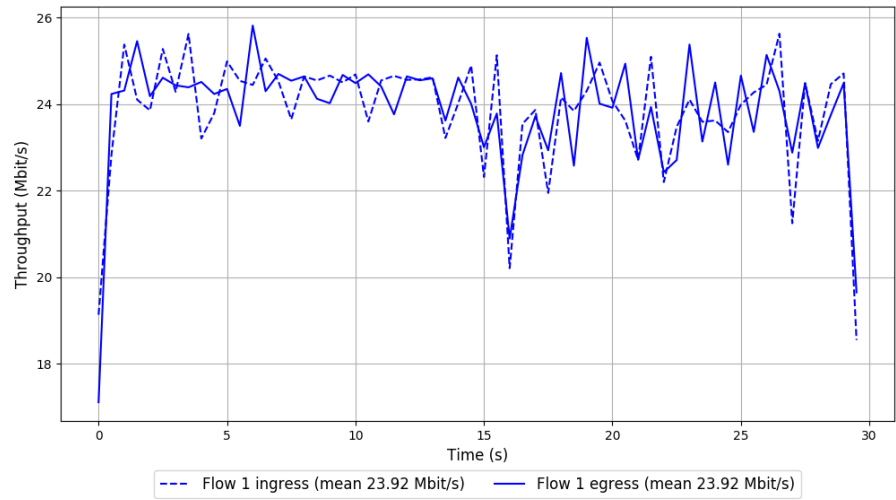


Run 5: Statistics of Sprout

Start at: 2018-04-10 14:17:33  
End at: 2018-04-10 14:18:03  
Local clock offset: 0.443 ms  
Remote clock offset: 27.964 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 23.92 Mbit/s  
95th percentile per-packet one-way delay: 25.473 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 23.92 Mbit/s  
95th percentile per-packet one-way delay: 25.473 ms  
Loss rate: 0.00%

## Run 5: Report of Sprout — Data Link

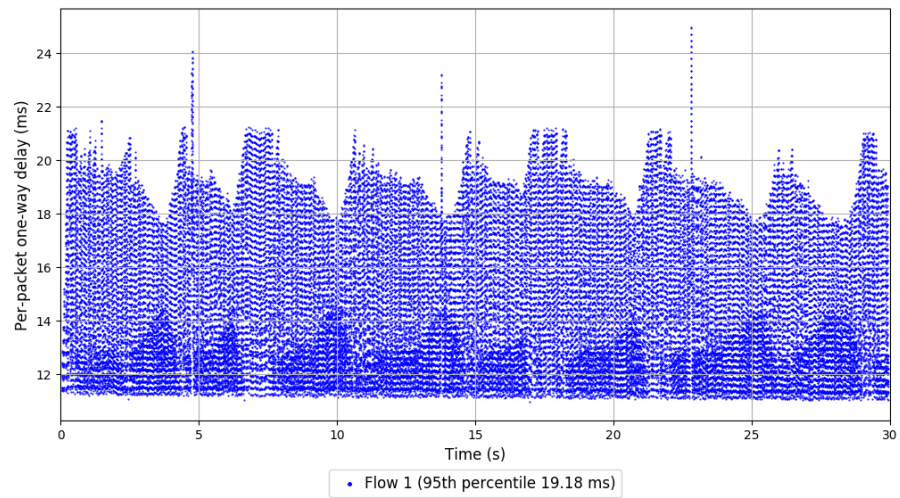
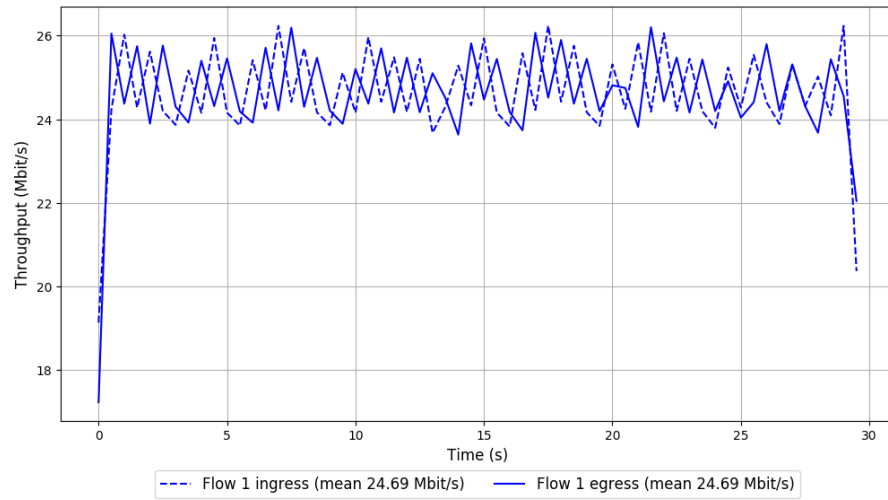


Run 6: Statistics of Sprout

Start at: 2018-04-10 14:38:44  
End at: 2018-04-10 14:39:14  
Local clock offset: -1.216 ms  
Remote clock offset: 33.339 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.69 Mbit/s  
95th percentile per-packet one-way delay: 19.182 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 24.69 Mbit/s  
95th percentile per-packet one-way delay: 19.182 ms  
Loss rate: 0.01%

## Run 6: Report of Sprout — Data Link



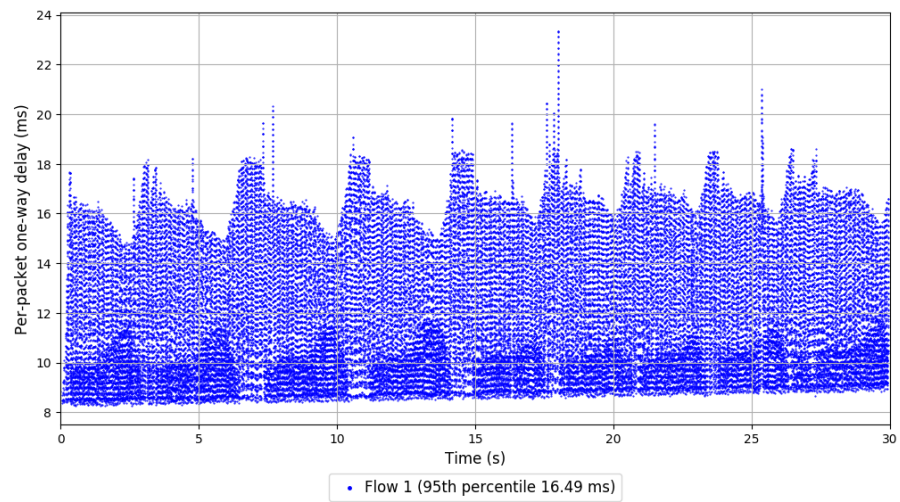
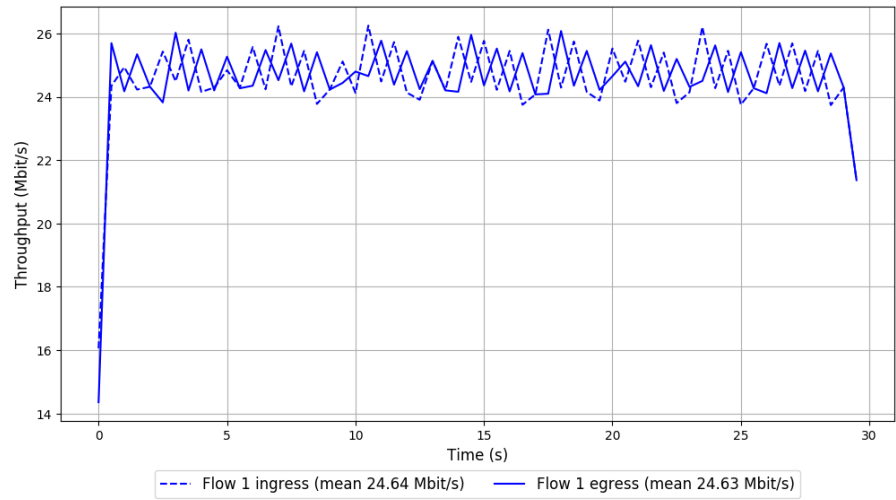
Run 7: Statistics of Sprout

Start at: 2018-04-10 15:00:47  
End at: 2018-04-10 15:01:17  
Local clock offset: -0.401 ms  
Remote clock offset: 1.816 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.63 Mbit/s  
95th percentile per-packet one-way delay: 16.494 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 24.63 Mbit/s  
95th percentile per-packet one-way delay: 16.494 ms  
Loss rate: 0.00%



## Run 7: Report of Sprout — Data Link

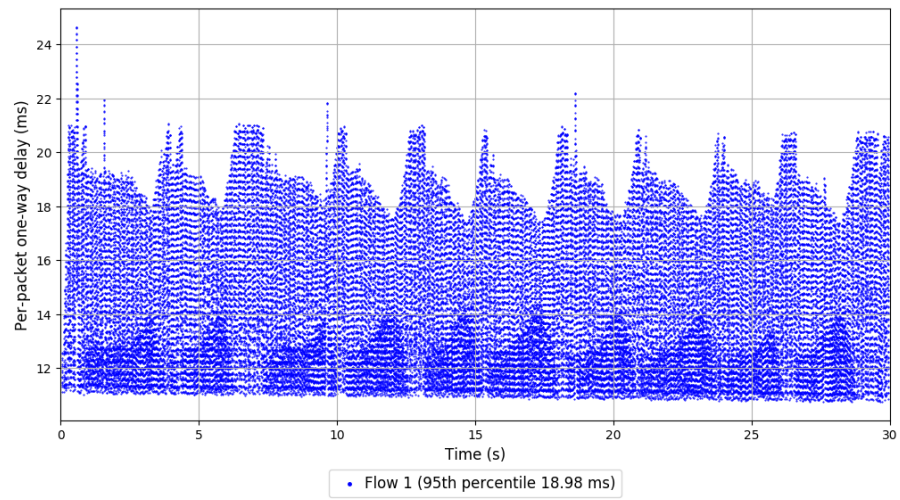
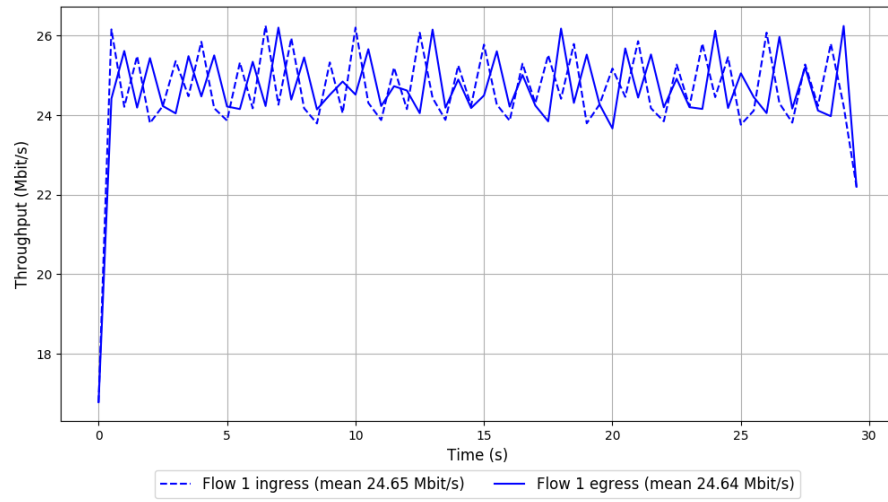


Run 8: Statistics of Sprout

Start at: 2018-04-10 15:22:40  
End at: 2018-04-10 15:23:10  
Local clock offset: 0.436 ms  
Remote clock offset: -7.485 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.64 Mbit/s  
95th percentile per-packet one-way delay: 18.983 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 24.64 Mbit/s  
95th percentile per-packet one-way delay: 18.983 ms  
Loss rate: 0.00%

# Run 8: Report of Sprout — Data Link

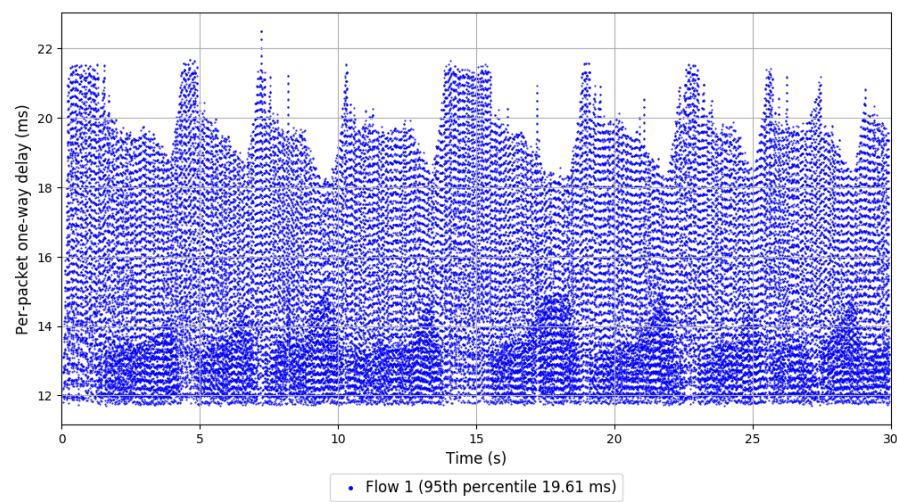
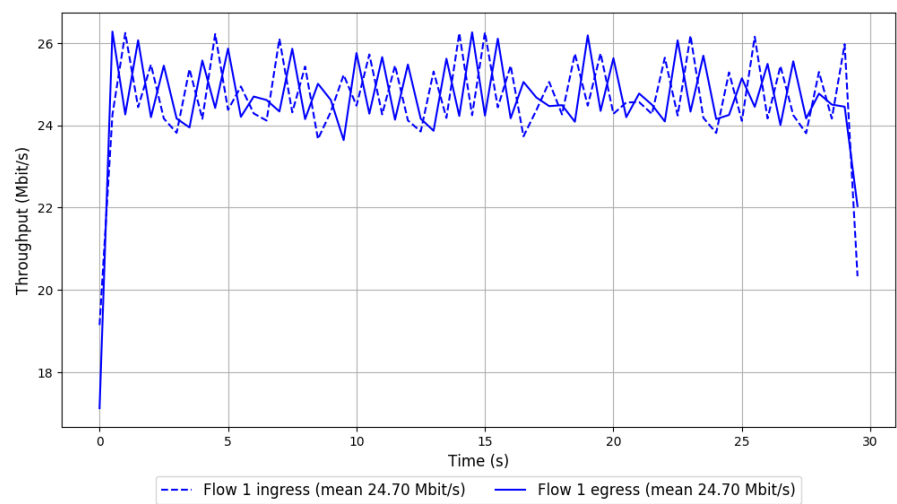


Run 9: Statistics of Sprout

Start at: 2018-04-10 15:44:19  
End at: 2018-04-10 15:44:49  
Local clock offset: 0.426 ms  
Remote clock offset: -2.793 ms

# Below is generated by plot.py at 2018-04-10 16:48:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.70 Mbit/s  
95th percentile per-packet one-way delay: 19.612 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 24.70 Mbit/s  
95th percentile per-packet one-way delay: 19.612 ms  
Loss rate: 0.01%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-10 16:06:54

End at: 2018-04-10 16:07:24

Local clock offset: 0.625 ms

Remote clock offset: -2.208 ms

# Below is generated by plot.py at 2018-04-10 16:48:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 24.66 Mbit/s

95th percentile per-packet one-way delay: 19.304 ms

Loss rate: 0.00%

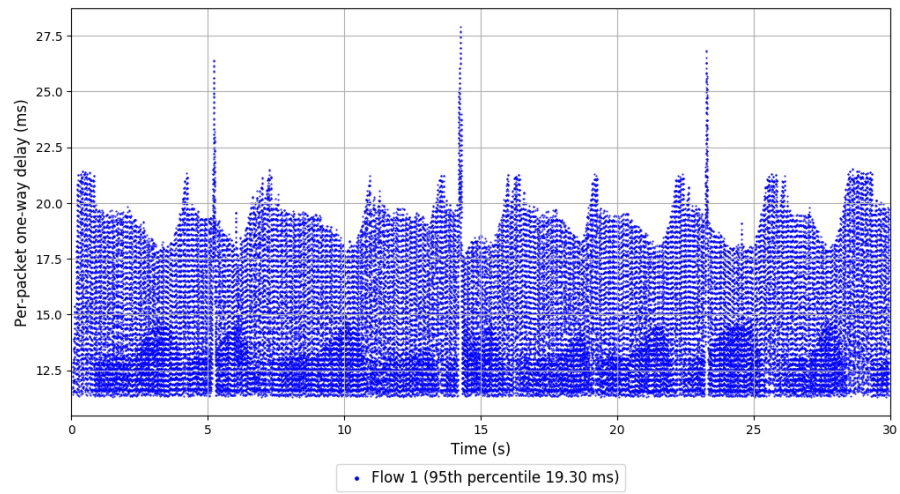
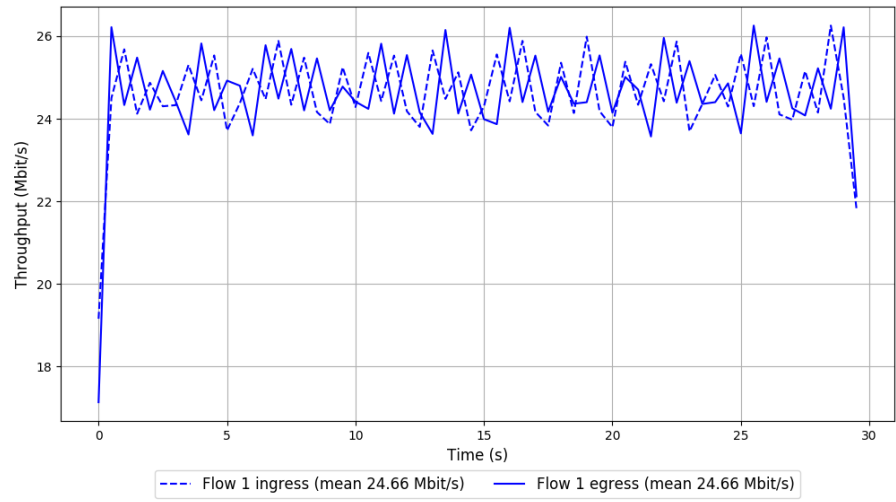
-- Flow 1:

Average throughput: 24.66 Mbit/s

95th percentile per-packet one-way delay: 19.304 ms

Loss rate: 0.00%

# Run 10: Report of Sprout — Data Link



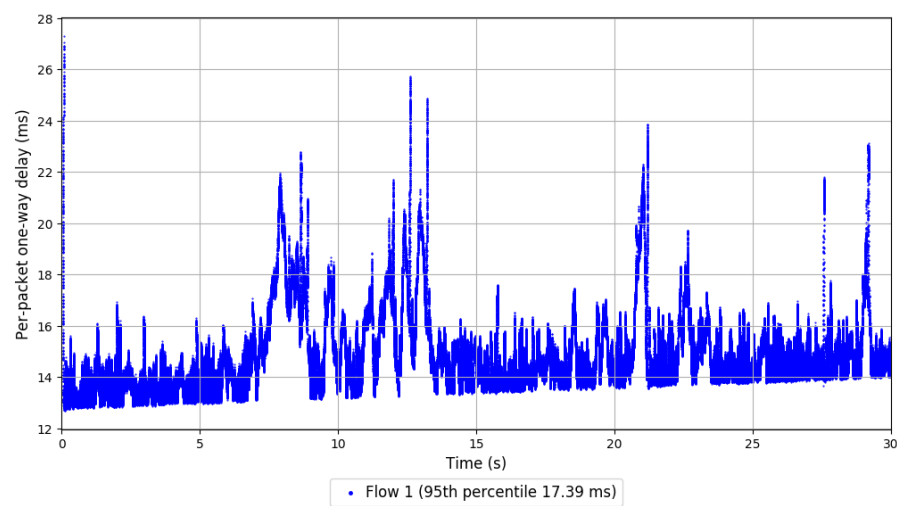
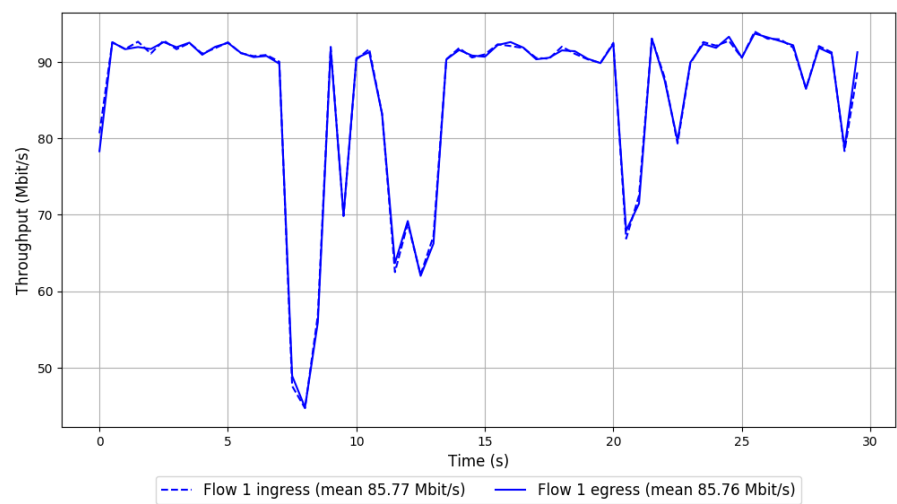
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-10 12:34:36  
End at: 2018-04-10 12:35:06  
Local clock offset: -0.348 ms  
Remote clock offset: 17.321 ms

# Below is generated by plot.py at 2018-04-10 16:50:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.76 Mbit/s  
95th percentile per-packet one-way delay: 17.388 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 85.76 Mbit/s  
95th percentile per-packet one-way delay: 17.388 ms  
Loss rate: 0.00%



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

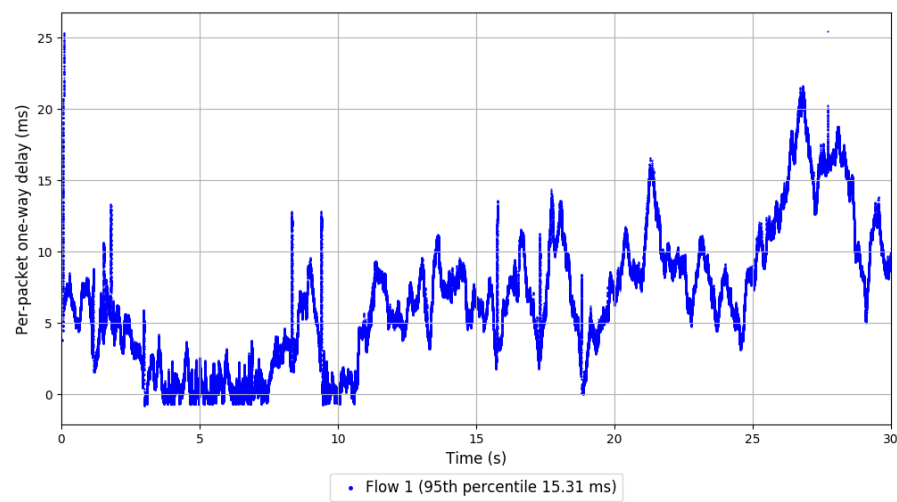
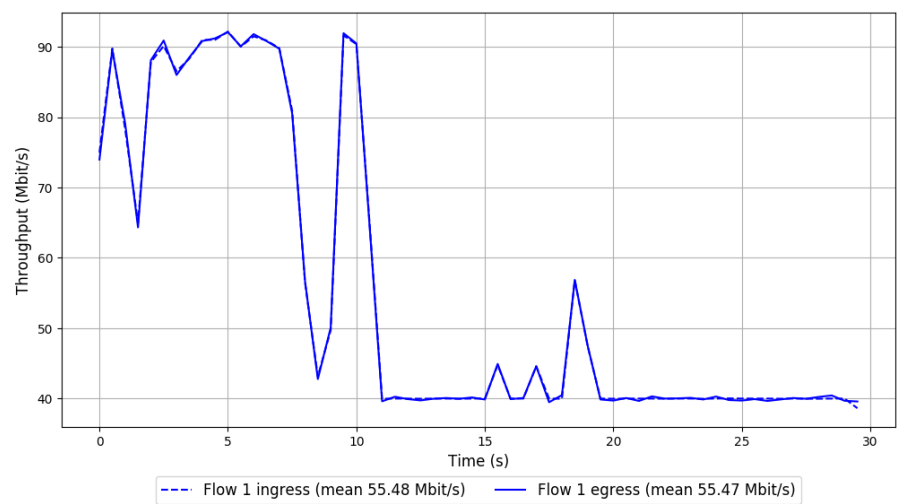


Run 2: Statistics of TaoVA-100x

Start at: 2018-04-10 12:56:16  
End at: 2018-04-10 12:56:46  
Local clock offset: 0.725 ms  
Remote clock offset: -16.694 ms

# Below is generated by plot.py at 2018-04-10 16:50:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 55.47 Mbit/s  
95th percentile per-packet one-way delay: 15.311 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 55.47 Mbit/s  
95th percentile per-packet one-way delay: 15.311 ms  
Loss rate: 0.00%

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

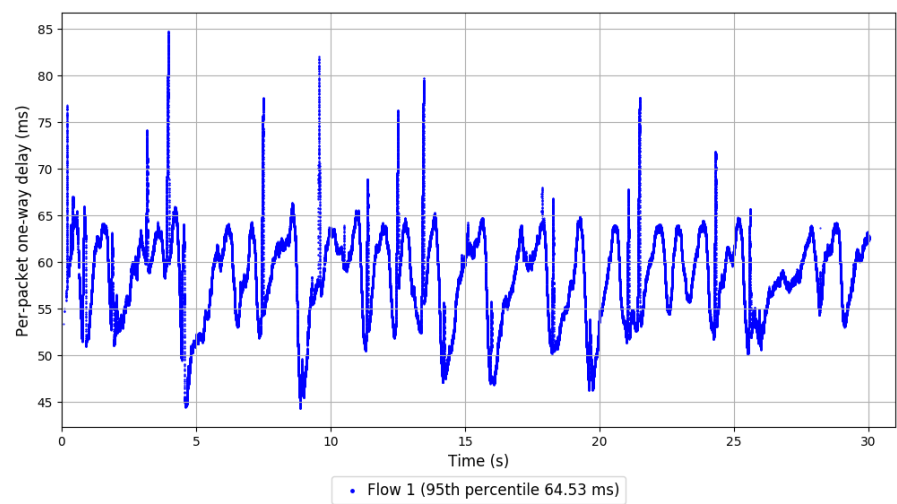
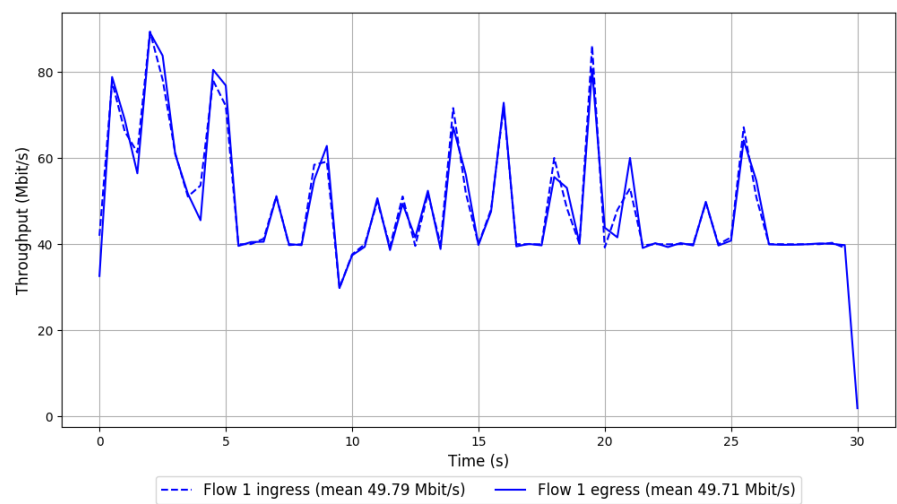


Run 3: Statistics of TaoVA-100x

Start at: 2018-04-10 13:17:32  
End at: 2018-04-10 13:18:02  
Local clock offset: -0.381 ms  
Remote clock offset: -2.259 ms

# Below is generated by plot.py at 2018-04-10 16:50:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 49.71 Mbit/s  
95th percentile per-packet one-way delay: 64.529 ms  
Loss rate: 0.22%  
-- Flow 1:  
Average throughput: 49.71 Mbit/s  
95th percentile per-packet one-way delay: 64.529 ms  
Loss rate: 0.22%

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

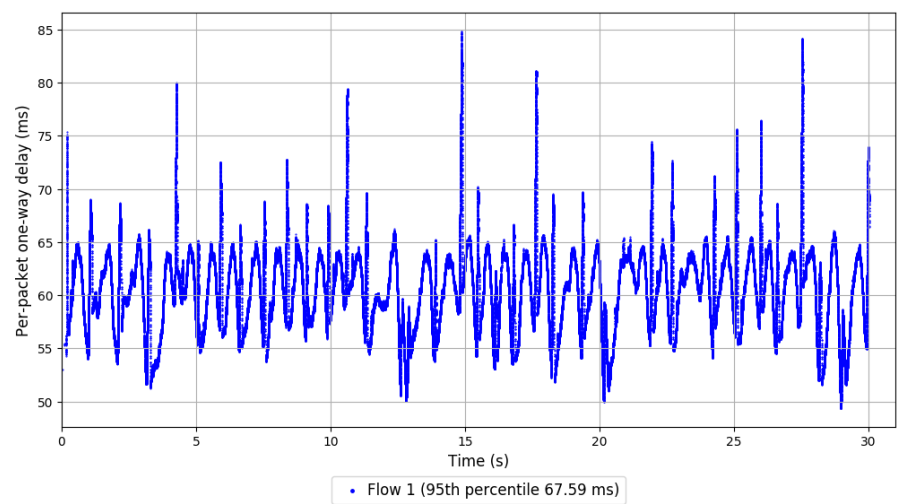
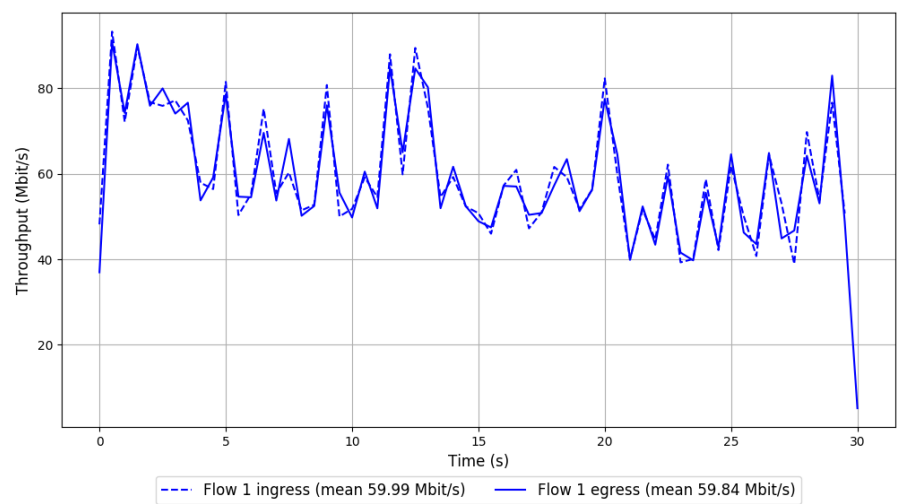


Run 4: Statistics of TaoVA-100x

Start at: 2018-04-10 13:39:32  
End at: 2018-04-10 13:40:02  
Local clock offset: -0.008 ms  
Remote clock offset: -1.678 ms

# Below is generated by plot.py at 2018-04-10 16:50:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 59.84 Mbit/s  
95th percentile per-packet one-way delay: 67.594 ms  
Loss rate: 0.29%  
-- Flow 1:  
Average throughput: 59.84 Mbit/s  
95th percentile per-packet one-way delay: 67.594 ms  
Loss rate: 0.29%

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



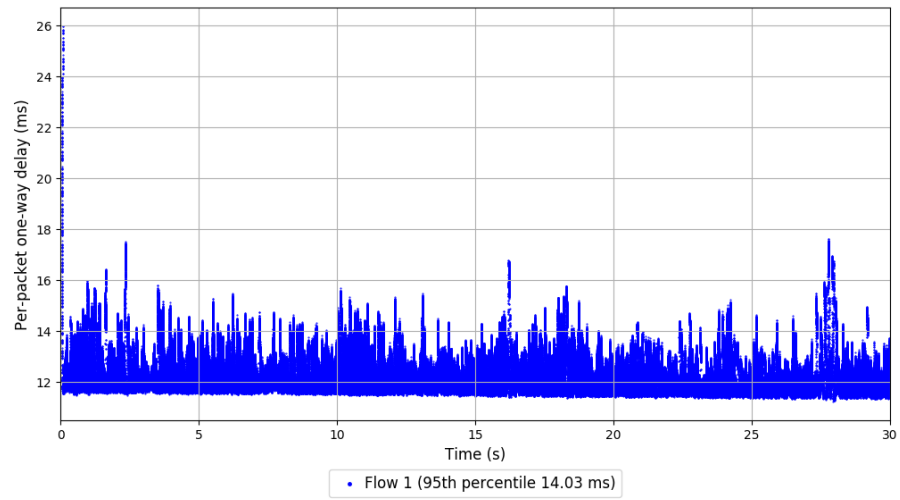
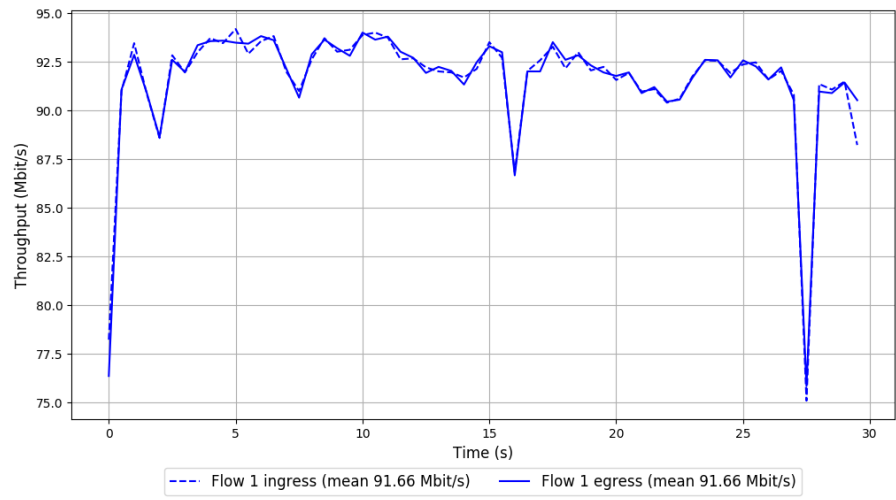
Run 5: Statistics of TaoVA-100x

Start at: 2018-04-10 14:01:15  
End at: 2018-04-10 14:01:45  
Local clock offset: 1.48 ms  
Remote clock offset: 22.516 ms

# Below is generated by plot.py at 2018-04-10 16:50:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.66 Mbit/s  
95th percentile per-packet one-way delay: 14.032 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 91.66 Mbit/s  
95th percentile per-packet one-way delay: 14.032 ms  
Loss rate: 0.00%



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

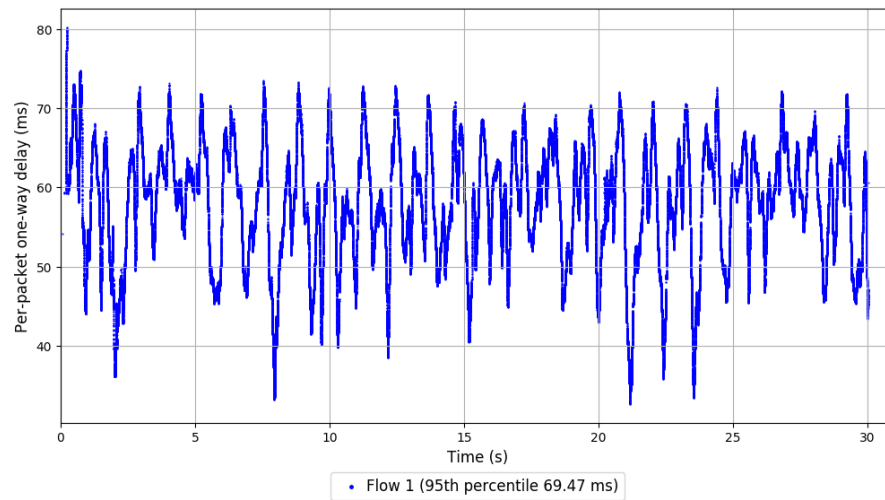
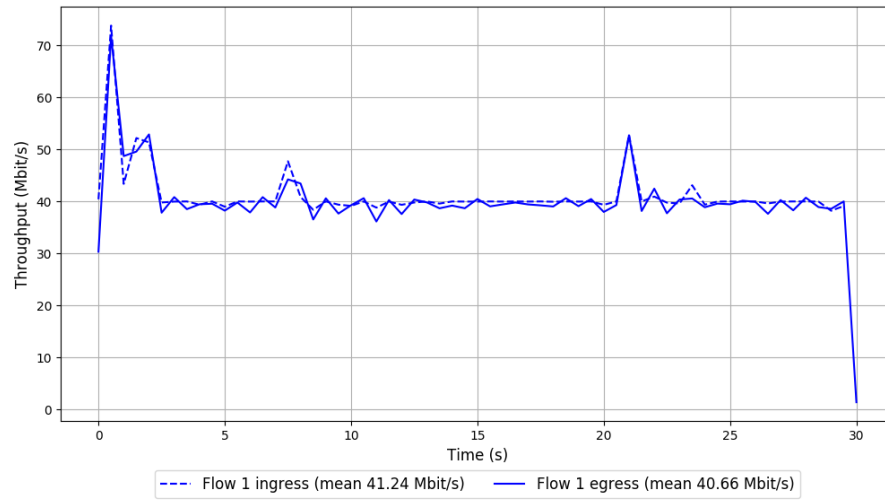


Run 6: Statistics of TaoVA-100x

Start at: 2018-04-10 14:22:03  
End at: 2018-04-10 14:22:33  
Local clock offset: -0.952 ms  
Remote clock offset: 29.469 ms

# Below is generated by plot.py at 2018-04-10 16:50:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 40.66 Mbit/s  
95th percentile per-packet one-way delay: 69.465 ms  
Loss rate: 1.45%  
-- Flow 1:  
Average throughput: 40.66 Mbit/s  
95th percentile per-packet one-way delay: 69.465 ms  
Loss rate: 1.45%

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

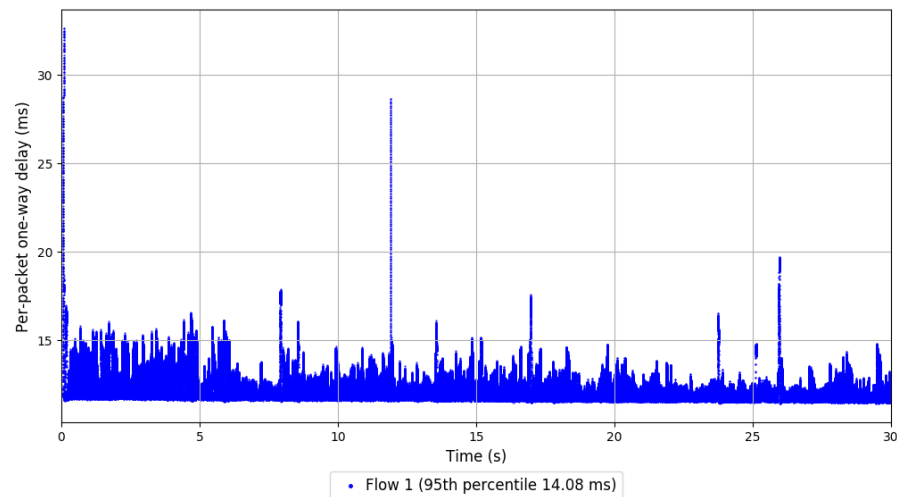
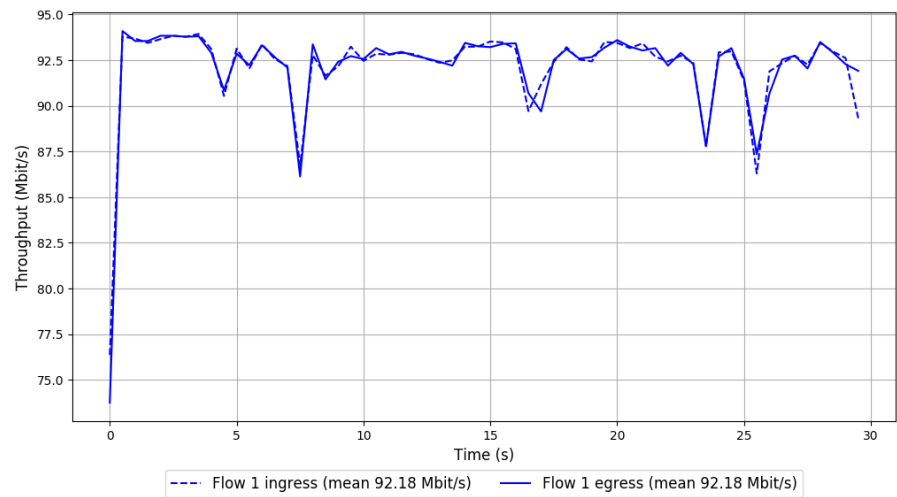


Run 7: Statistics of TaoVA-100x

Start at: 2018-04-10 14:43:39  
End at: 2018-04-10 14:44:09  
Local clock offset: -1.695 ms  
Remote clock offset: 35.122 ms

# Below is generated by plot.py at 2018-04-10 16:50:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.18 Mbit/s  
95th percentile per-packet one-way delay: 14.080 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 92.18 Mbit/s  
95th percentile per-packet one-way delay: 14.080 ms  
Loss rate: 0.01%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-10 15:05:38

End at: 2018-04-10 15:06:08

Local clock offset: -0.259 ms

Remote clock offset: 1.847 ms

# Below is generated by plot.py at 2018-04-10 16:50:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.39 Mbit/s

95th percentile per-packet one-way delay: 15.908 ms

Loss rate: 0.00%

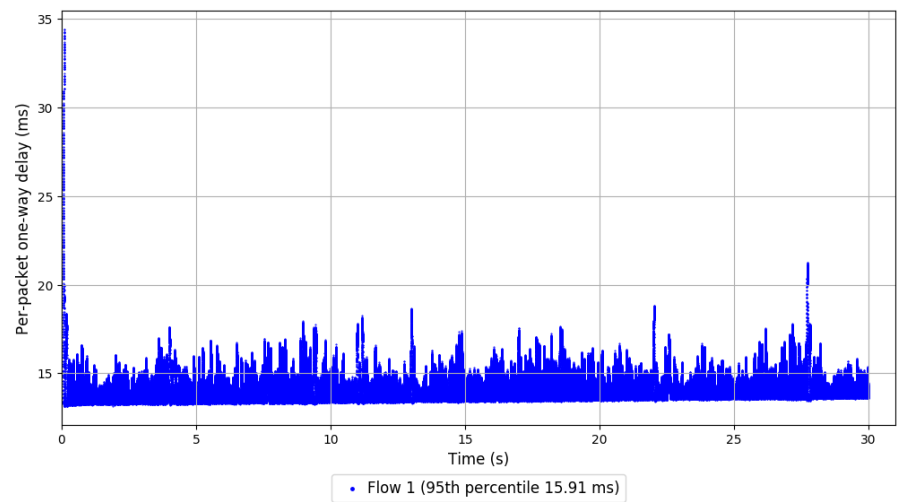
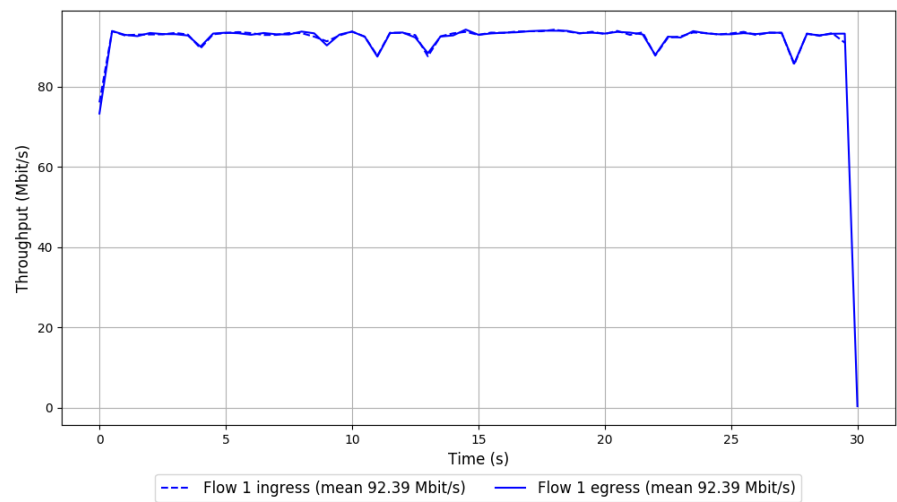
-- Flow 1:

Average throughput: 92.39 Mbit/s

95th percentile per-packet one-way delay: 15.908 ms

Loss rate: 0.00%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-10 15:27:29

End at: 2018-04-10 15:27:59

Local clock offset: 0.234 ms

Remote clock offset: -5.066 ms

# Below is generated by plot.py at 2018-04-10 16:52:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.03 Mbit/s

95th percentile per-packet one-way delay: 14.349 ms

Loss rate: 0.03%

-- Flow 1:

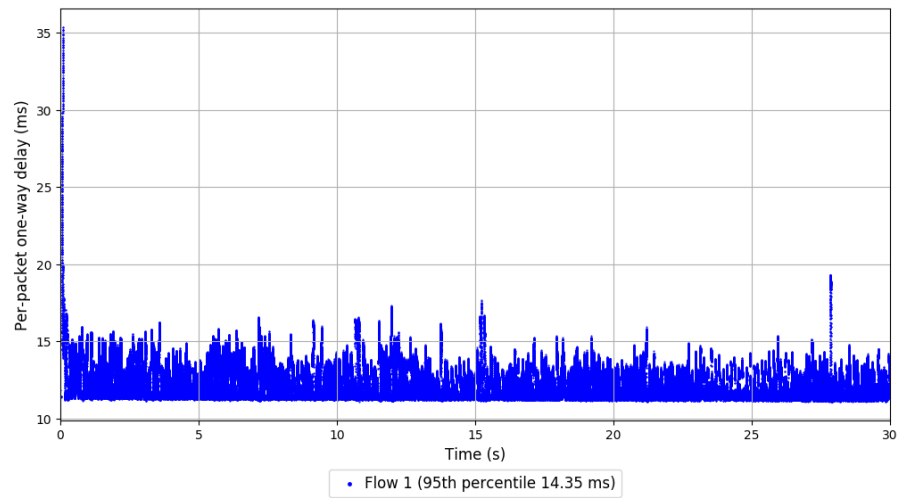
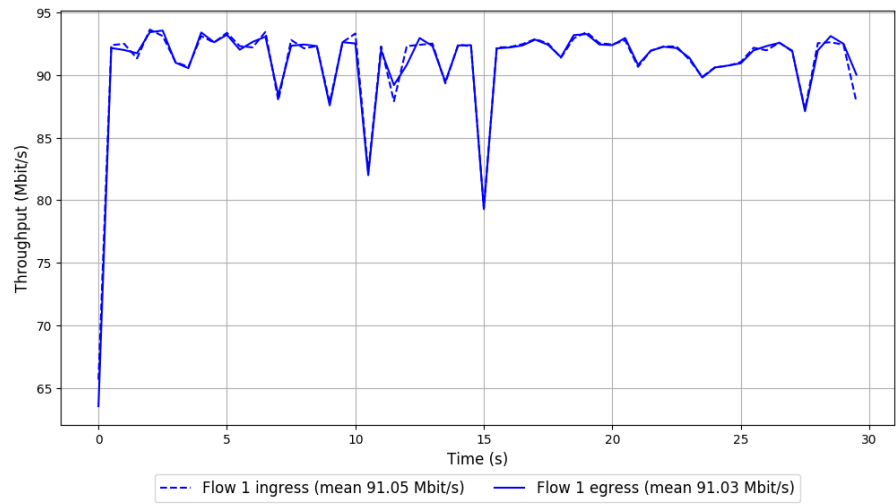
Average throughput: 91.03 Mbit/s

95th percentile per-packet one-way delay: 14.349 ms

Loss rate: 0.03%



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



Run 10: Statistics of TaoVA-100x

Start at: 2018-04-10 15:49:32

End at: 2018-04-10 15:50:02

Local clock offset: 1.344 ms

Remote clock offset: -2.199 ms

# Below is generated by plot.py at 2018-04-10 16:52:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.91 Mbit/s

95th percentile per-packet one-way delay: 14.447 ms

Loss rate: 0.06%

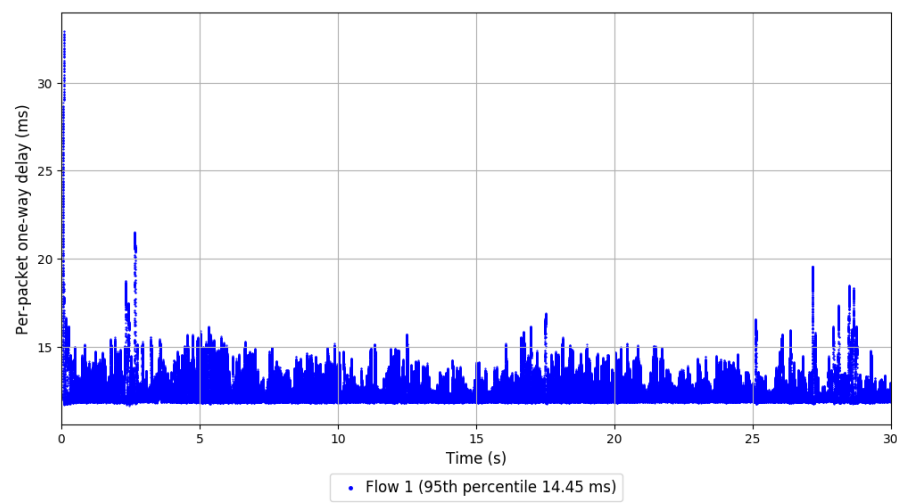
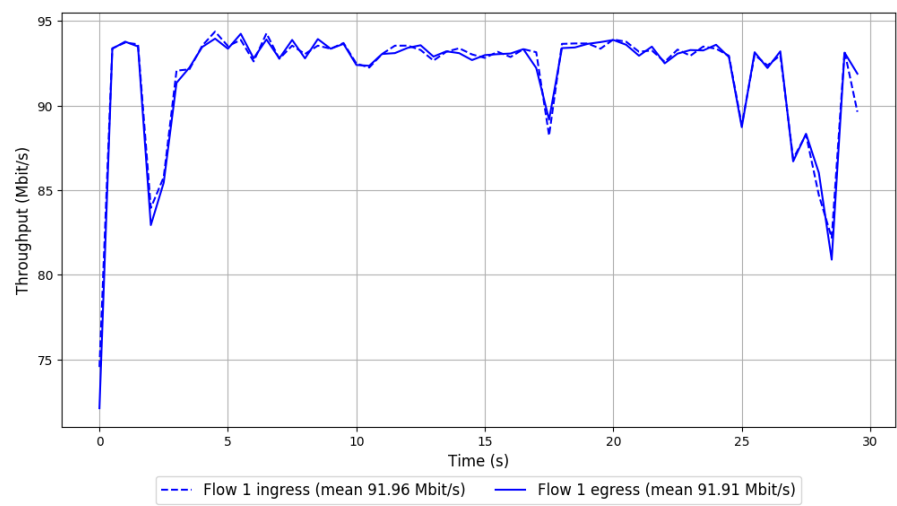
-- Flow 1:

Average throughput: 91.91 Mbit/s

95th percentile per-packet one-way delay: 14.447 ms

Loss rate: 0.06%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-10 12:40:31

End at: 2018-04-10 12:41:01

Local clock offset: 0.776 ms

Remote clock offset: 7.269 ms

# Below is generated by plot.py at 2018-04-10 16:52:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 28.89 Mbit/s

95th percentile per-packet one-way delay: 27.345 ms

Loss rate: 0.00%

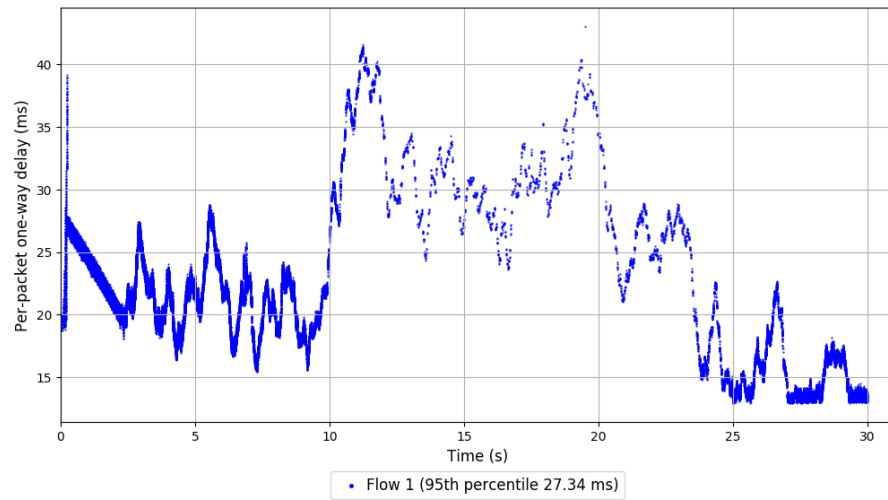
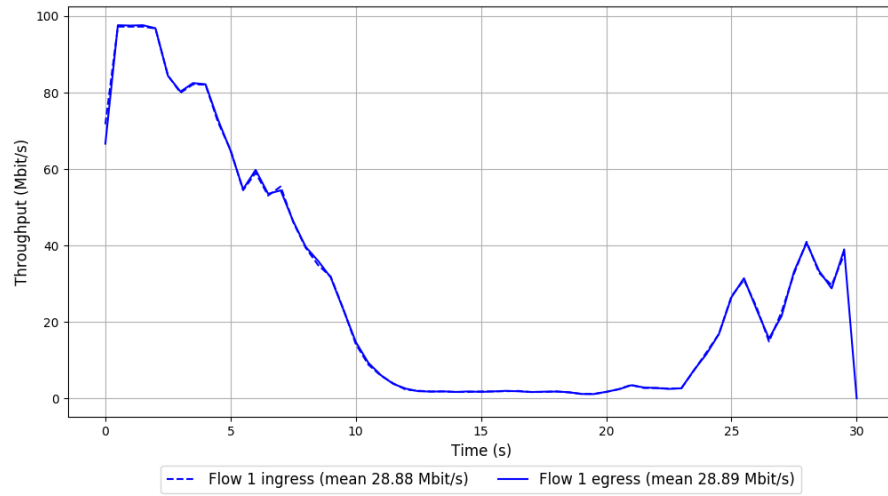
-- Flow 1:

Average throughput: 28.89 Mbit/s

95th percentile per-packet one-way delay: 27.345 ms

Loss rate: 0.00%

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

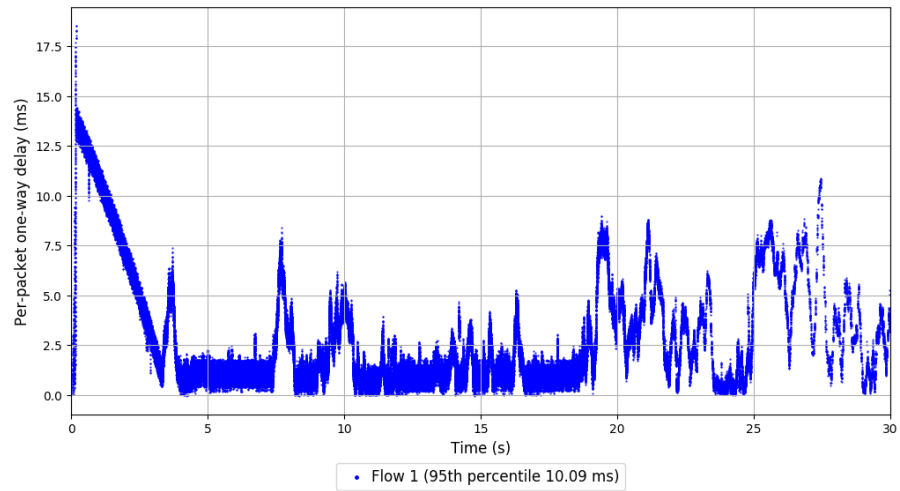
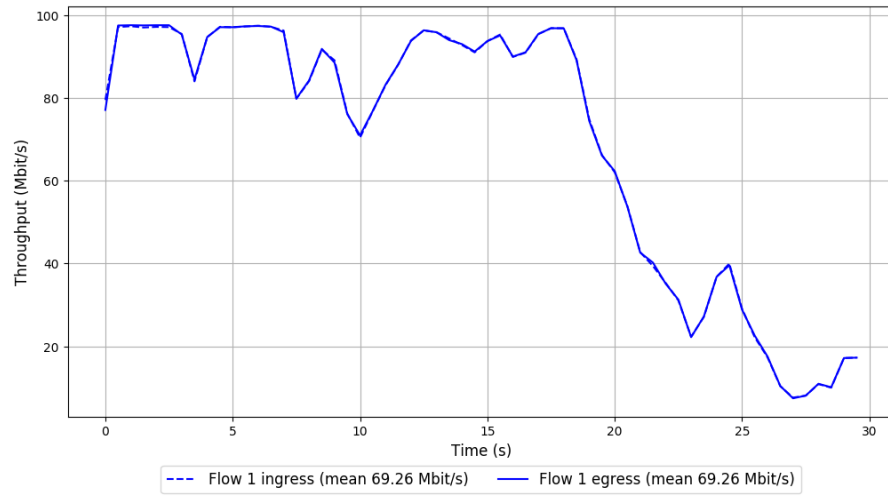


Run 2: Statistics of TCP Vegas

Start at: 2018-04-10 13:02:08  
End at: 2018-04-10 13:02:38  
Local clock offset: 1.08 ms  
Remote clock offset: -17.663 ms

# Below is generated by plot.py at 2018-04-10 16:52:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 69.26 Mbit/s  
95th percentile per-packet one-way delay: 10.087 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 69.26 Mbit/s  
95th percentile per-packet one-way delay: 10.087 ms  
Loss rate: 0.00%

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



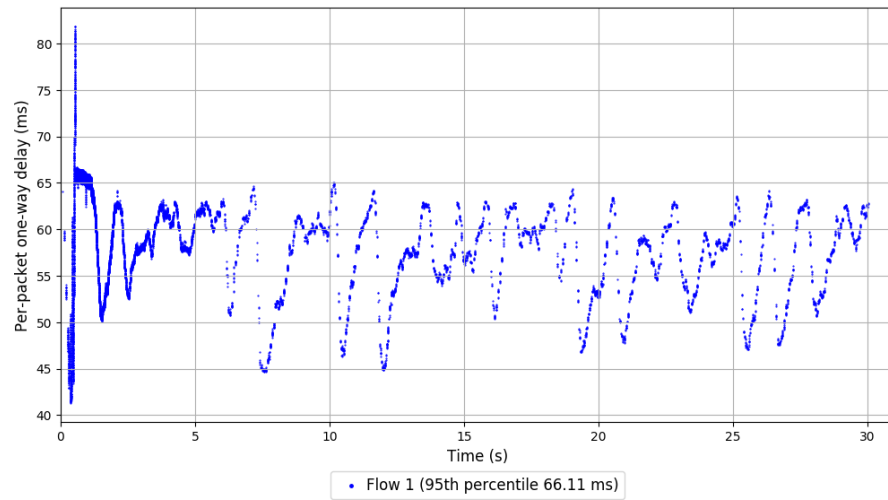
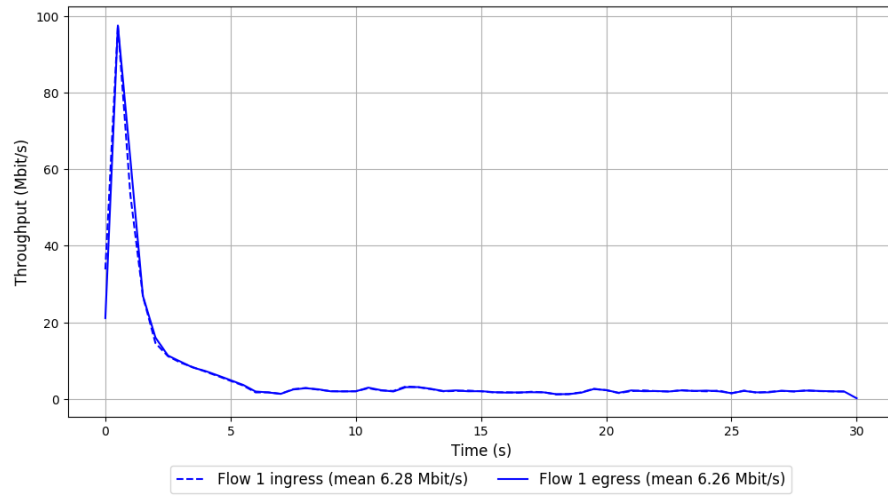
Run 3: Statistics of TCP Vegas

Start at: 2018-04-10 13:23:57  
End at: 2018-04-10 13:24:28  
Local clock offset: -0.55 ms  
Remote clock offset: -2.353 ms

# Below is generated by plot.py at 2018-04-10 16:52:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.26 Mbit/s  
95th percentile per-packet one-way delay: 66.111 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 6.26 Mbit/s  
95th percentile per-packet one-way delay: 66.111 ms  
Loss rate: 0.20%



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



Run 4: Statistics of TCP Vegas

Start at: 2018-04-10 13:45:41

End at: 2018-04-10 13:46:11

Local clock offset: 1.198 ms

Remote clock offset: 8.153 ms

# Below is generated by plot.py at 2018-04-10 16:52:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.14 Mbit/s

95th percentile per-packet one-way delay: 69.404 ms

Loss rate: 0.49%

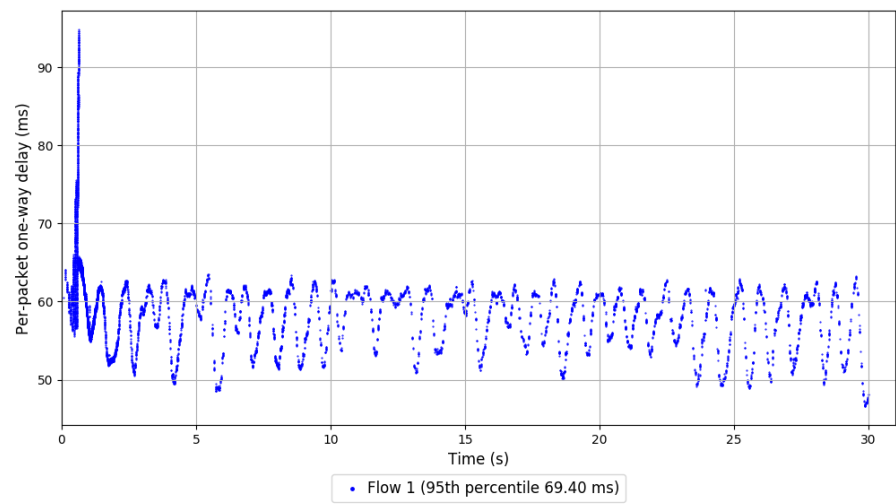
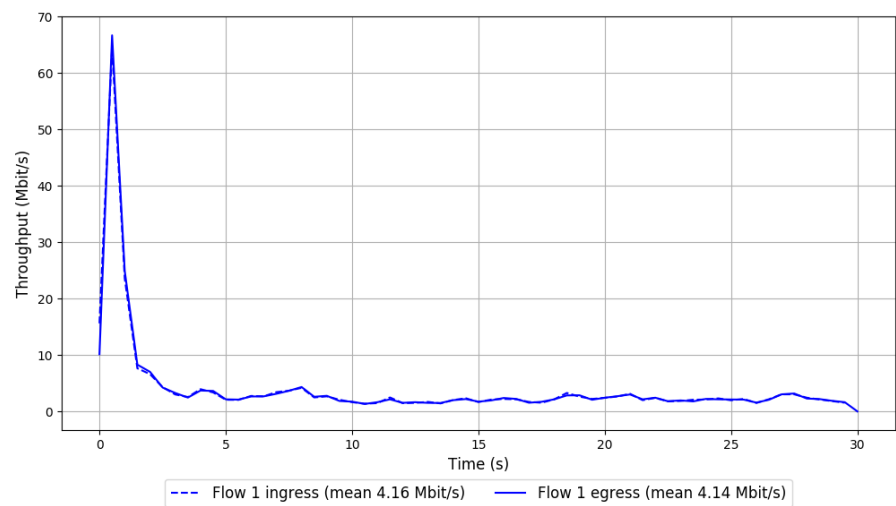
-- Flow 1:

Average throughput: 4.14 Mbit/s

95th percentile per-packet one-way delay: 69.404 ms

Loss rate: 0.49%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2018-04-10 14:07:11

End at: 2018-04-10 14:07:41

Local clock offset: 1.871 ms

Remote clock offset: 7.461 ms

# Below is generated by plot.py at 2018-04-10 16:52:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.51 Mbit/s

95th percentile per-packet one-way delay: -4.769 ms

Loss rate: 0.03%

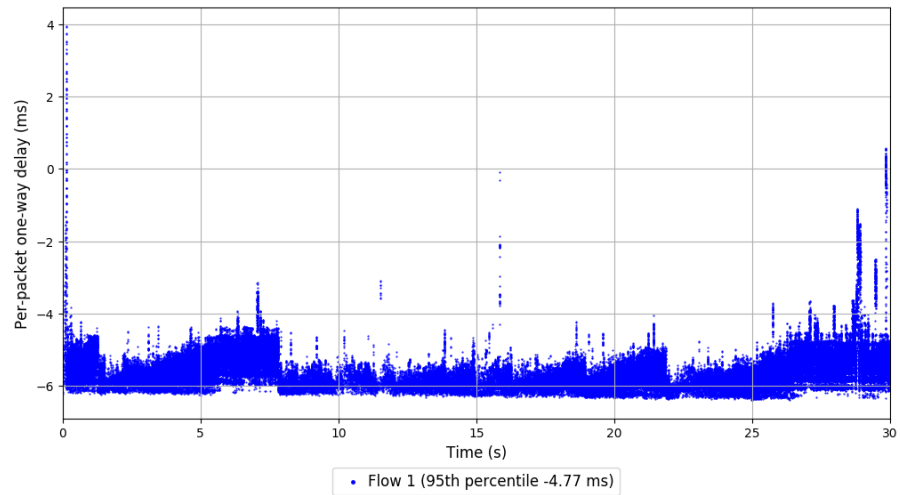
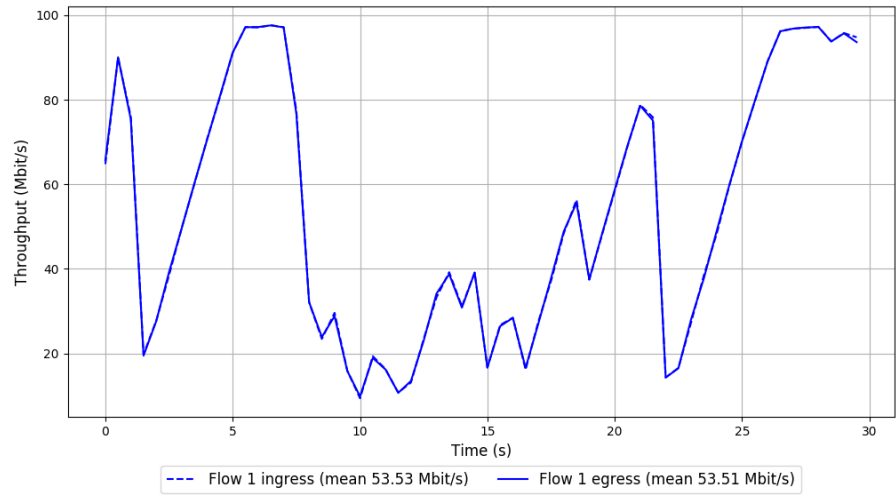
-- Flow 1:

Average throughput: 53.51 Mbit/s

95th percentile per-packet one-way delay: -4.769 ms

Loss rate: 0.03%

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

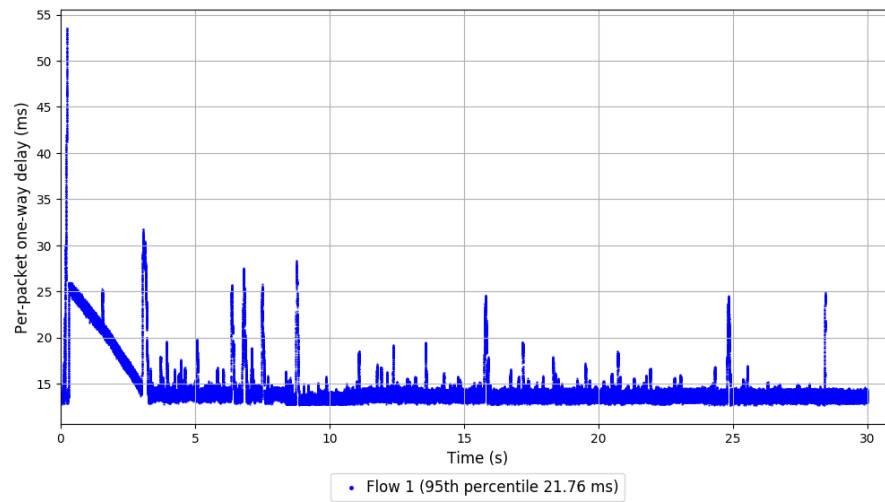
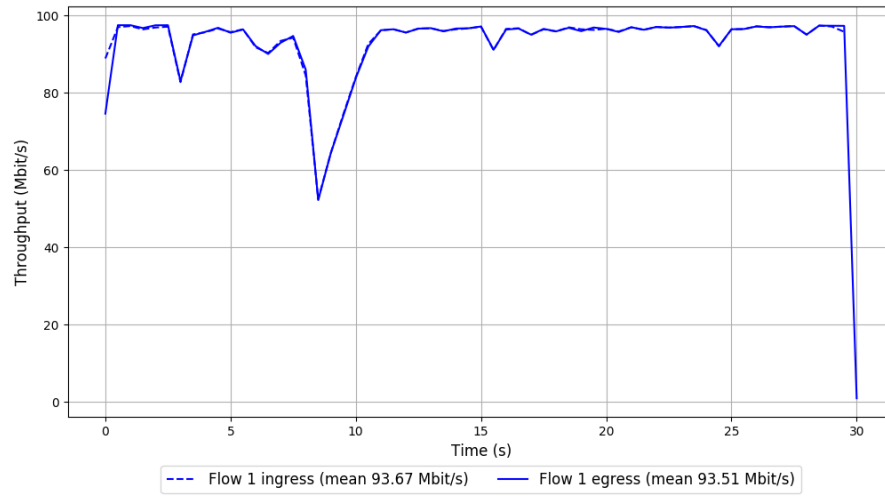


Run 6: Statistics of TCP Vegas

Start at: 2018-04-10 14:28:03  
End at: 2018-04-10 14:28:33  
Local clock offset: -1.124 ms  
Remote clock offset: 30.871 ms

# Below is generated by plot.py at 2018-04-10 16:52:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.51 Mbit/s  
95th percentile per-packet one-way delay: 21.763 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 93.51 Mbit/s  
95th percentile per-packet one-way delay: 21.763 ms  
Loss rate: 0.17%

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



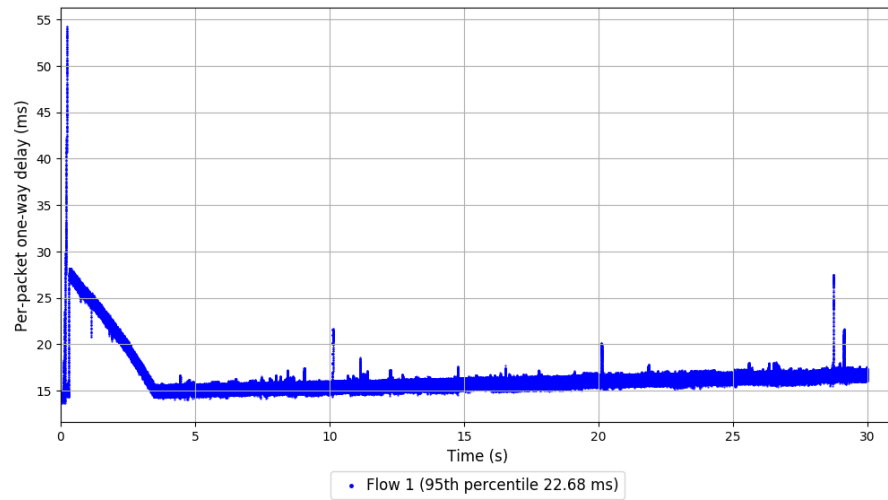
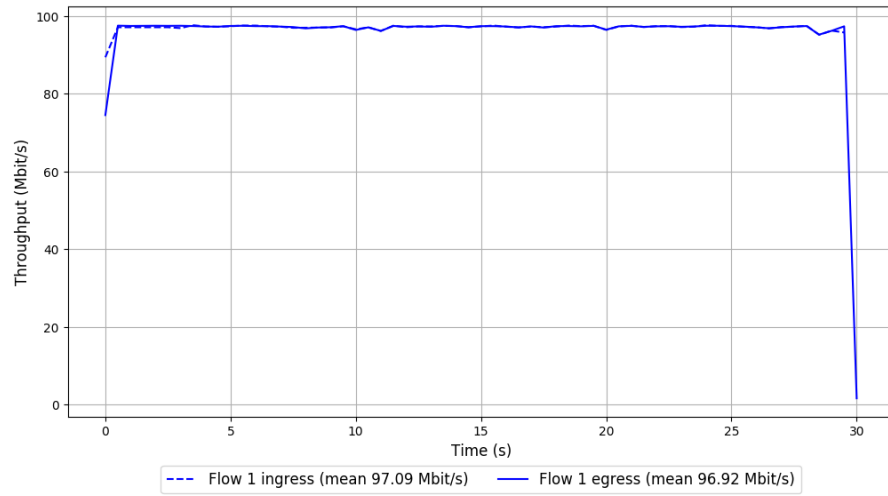
Run 7: Statistics of TCP Vegas

Start at: 2018-04-10 14:49:54  
End at: 2018-04-10 14:50:24  
Local clock offset: -1.451 ms  
Remote clock offset: 31.248 ms

# Below is generated by plot.py at 2018-04-10 16:52:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.92 Mbit/s  
95th percentile per-packet one-way delay: 22.678 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 96.92 Mbit/s  
95th percentile per-packet one-way delay: 22.678 ms  
Loss rate: 0.17%



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

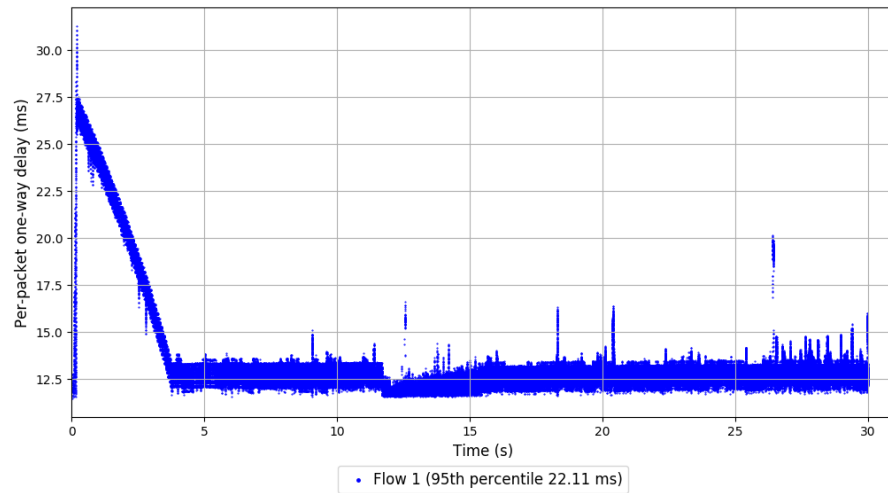
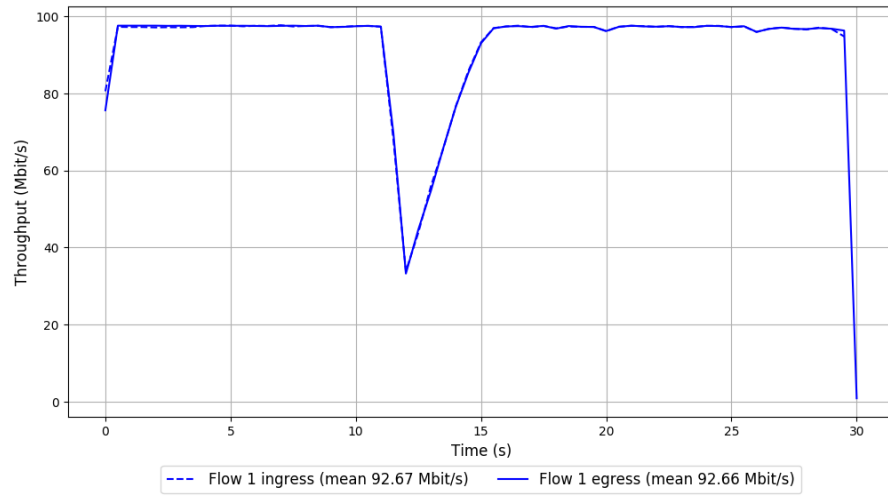


Run 8: Statistics of TCP Vegas

Start at: 2018-04-10 15:11:49  
End at: 2018-04-10 15:12:20  
Local clock offset: 0.205 ms  
Remote clock offset: -3.052 ms

# Below is generated by plot.py at 2018-04-10 16:52:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.66 Mbit/s  
95th percentile per-packet one-way delay: 22.111 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 92.66 Mbit/s  
95th percentile per-packet one-way delay: 22.111 ms  
Loss rate: 0.00%

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

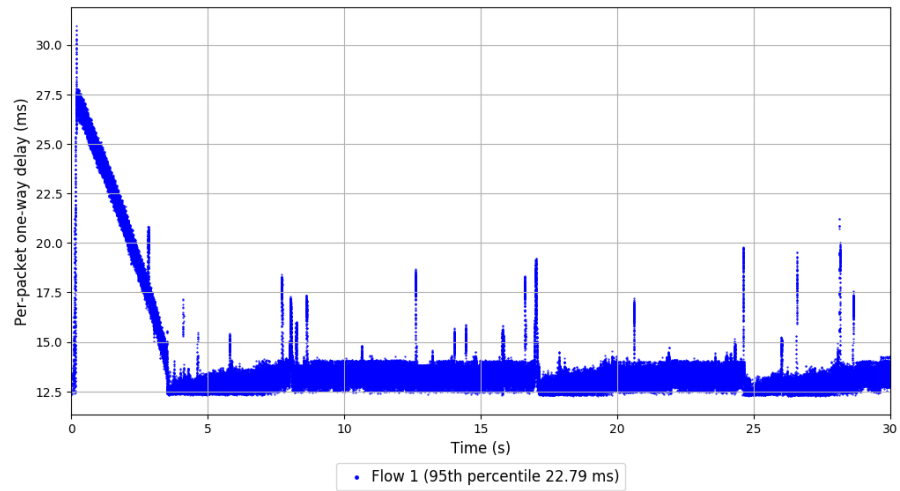
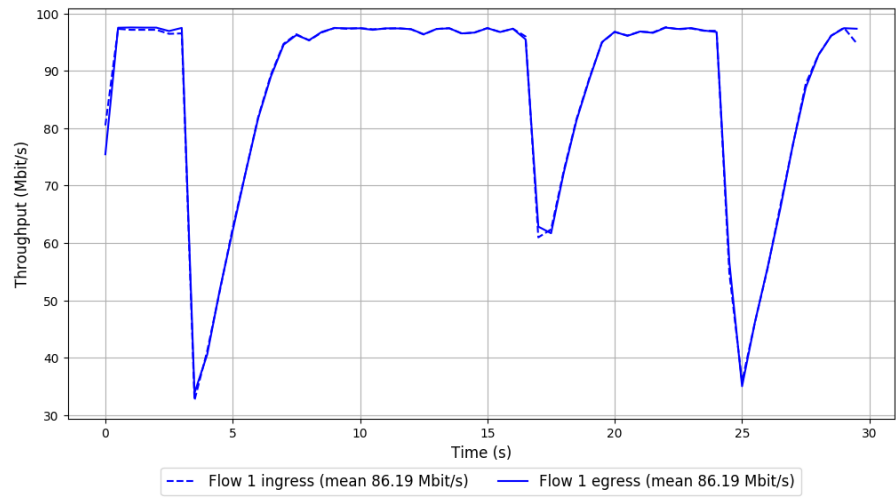


Run 9: Statistics of TCP Vegas

Start at: 2018-04-10 15:33:31  
End at: 2018-04-10 15:34:01  
Local clock offset: 0.465 ms  
Remote clock offset: -2.503 ms

# Below is generated by plot.py at 2018-04-10 16:52:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.19 Mbit/s  
95th percentile per-packet one-way delay: 22.789 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 86.19 Mbit/s  
95th percentile per-packet one-way delay: 22.789 ms  
Loss rate: 0.00%

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

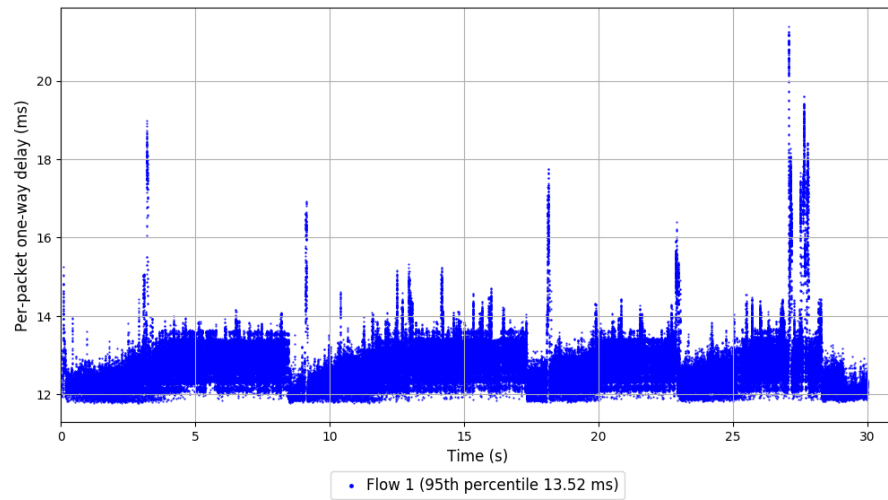
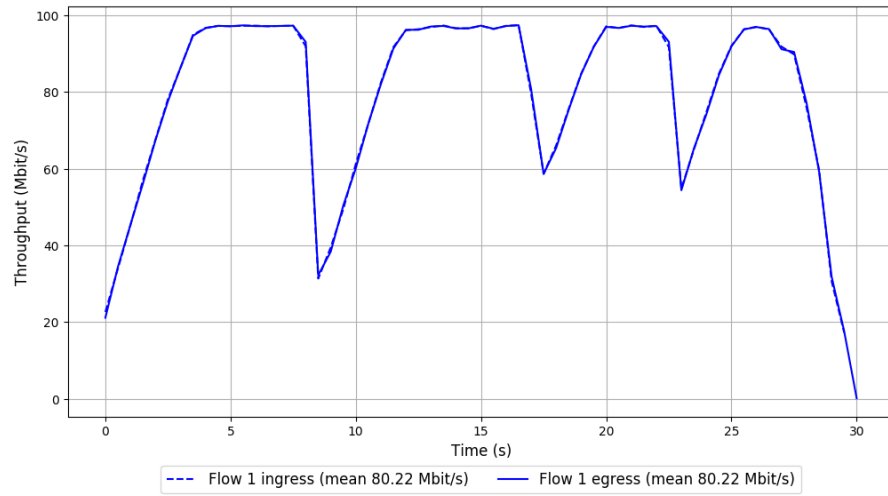


Run 10: Statistics of TCP Vegas

Start at: 2018-04-10 15:56:01  
End at: 2018-04-10 15:56:31  
Local clock offset: 0.692 ms  
Remote clock offset: -3.029 ms

# Below is generated by plot.py at 2018-04-10 16:52:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.22 Mbit/s  
95th percentile per-packet one-way delay: 13.518 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 80.22 Mbit/s  
95th percentile per-packet one-way delay: 13.518 ms  
Loss rate: 0.01%

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



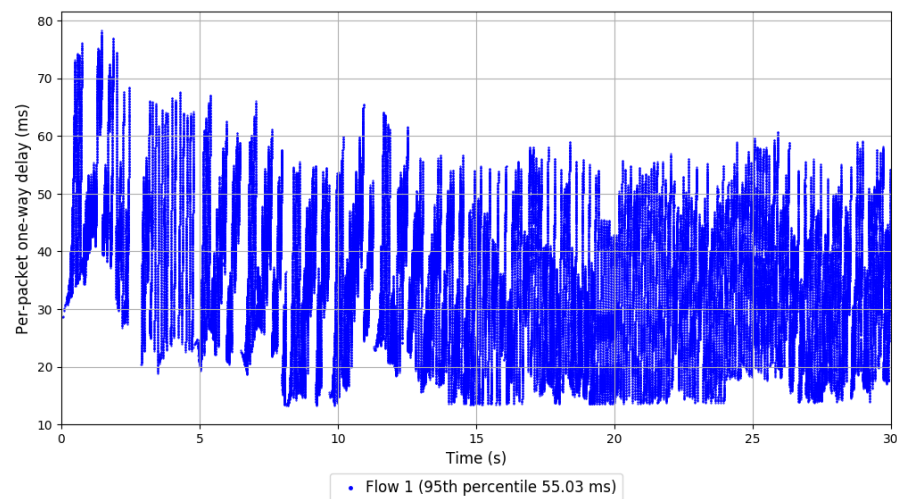
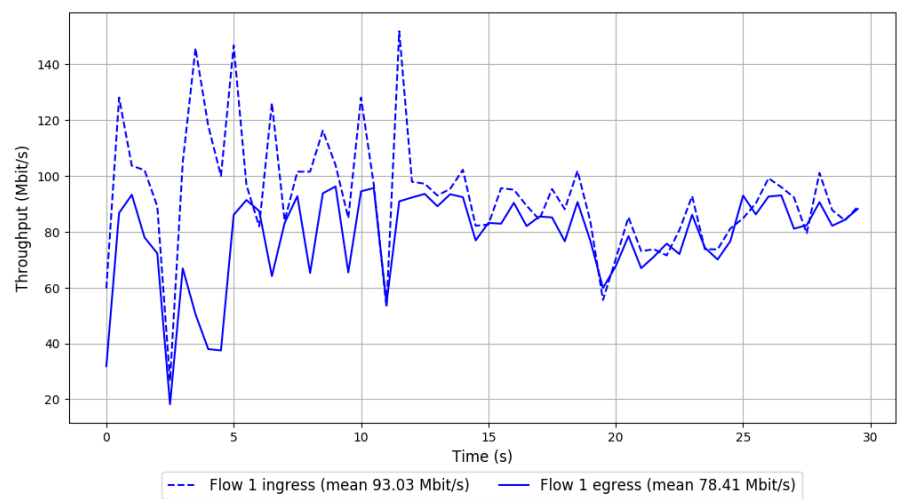
Run 1: Statistics of Verus

Start at: 2018-04-10 12:36:58  
End at: 2018-04-10 12:37:28  
Local clock offset: 0.462 ms  
Remote clock offset: 12.827 ms

# Below is generated by plot.py at 2018-04-10 16:52:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.41 Mbit/s  
95th percentile per-packet one-way delay: 55.034 ms  
Loss rate: 15.68%  
-- Flow 1:  
Average throughput: 78.41 Mbit/s  
95th percentile per-packet one-way delay: 55.034 ms  
Loss rate: 15.68%



Run 1: Report of Verus — Data Link

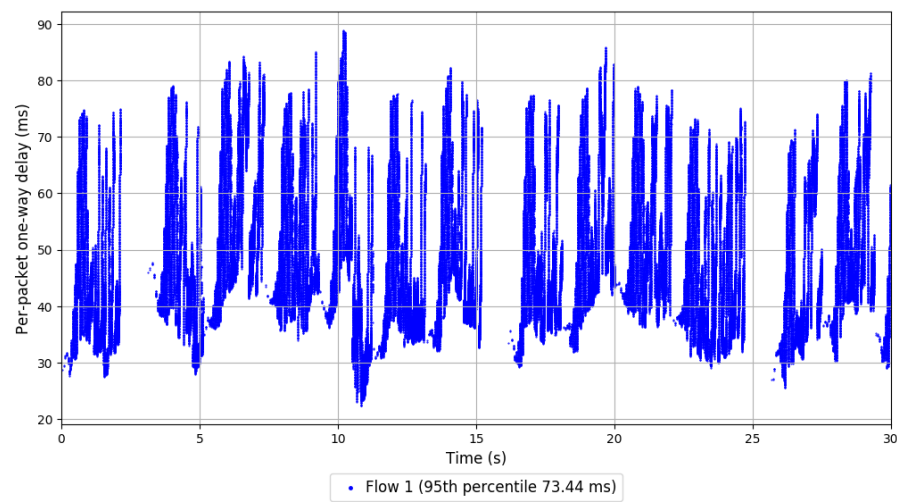
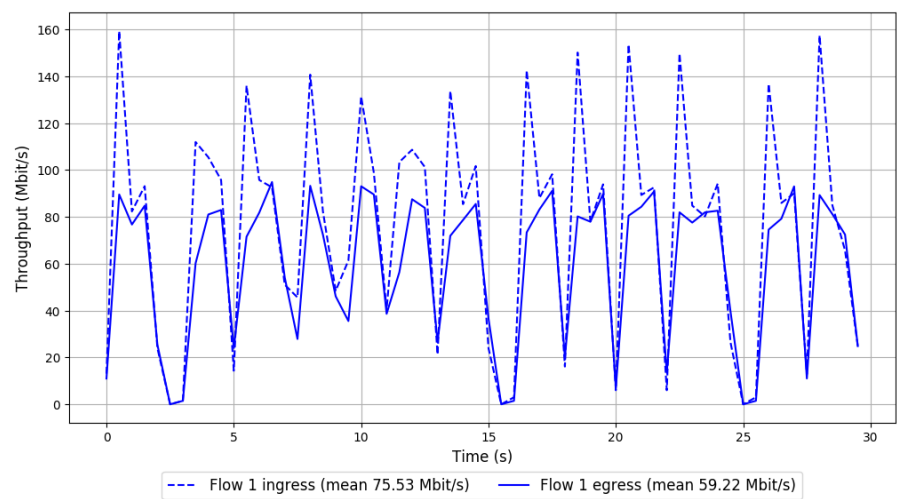


Run 2: Statistics of Verus

Start at: 2018-04-10 12:58:35  
End at: 2018-04-10 12:59:05  
Local clock offset: 0.701 ms  
Remote clock offset: -19.955 ms

# Below is generated by plot.py at 2018-04-10 16:52:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 59.22 Mbit/s  
95th percentile per-packet one-way delay: 73.437 ms  
Loss rate: 21.51%  
-- Flow 1:  
Average throughput: 59.22 Mbit/s  
95th percentile per-packet one-way delay: 73.437 ms  
Loss rate: 21.51%

Run 2: Report of Verus — Data Link

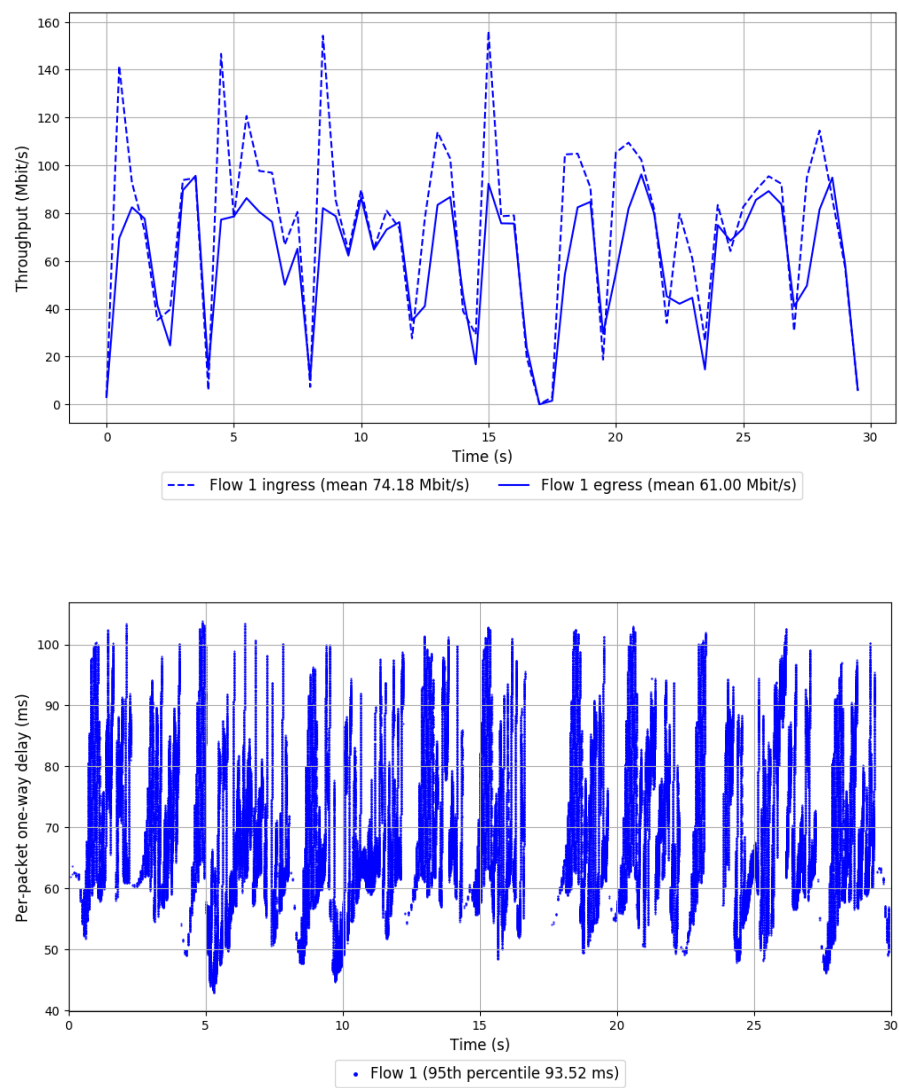


Run 3: Statistics of Verus

Start at: 2018-04-10 13:20:08  
End at: 2018-04-10 13:20:38  
Local clock offset: 0.337 ms  
Remote clock offset: -2.138 ms

# Below is generated by plot.py at 2018-04-10 16:53:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 61.00 Mbit/s  
95th percentile per-packet one-way delay: 93.523 ms  
Loss rate: 17.78%  
-- Flow 1:  
Average throughput: 61.00 Mbit/s  
95th percentile per-packet one-way delay: 93.523 ms  
Loss rate: 17.78%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-10 13:42:03

End at: 2018-04-10 13:42:33

Local clock offset: 0.203 ms

Remote clock offset: 0.711 ms

# Below is generated by plot.py at 2018-04-10 16:53:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 55.03 Mbit/s

95th percentile per-packet one-way delay: 92.098 ms

Loss rate: 16.72%

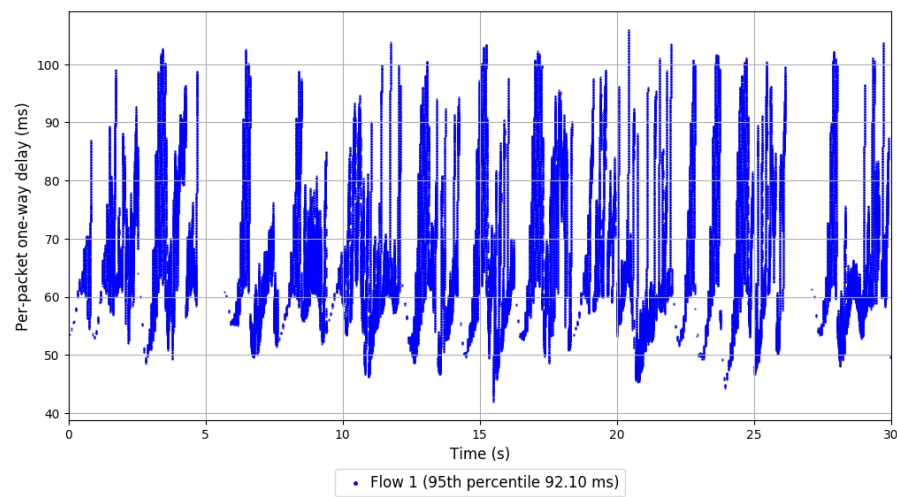
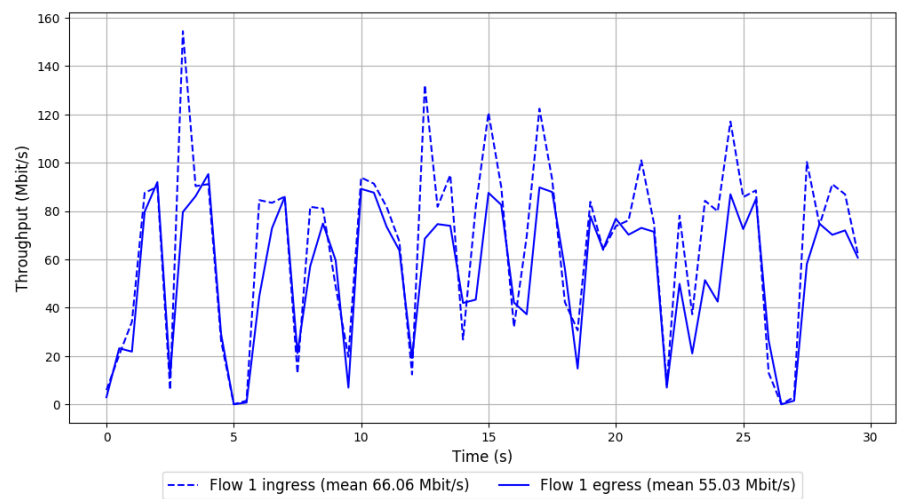
-- Flow 1:

Average throughput: 55.03 Mbit/s

95th percentile per-packet one-way delay: 92.098 ms

Loss rate: 16.72%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-10 14:03:38

End at: 2018-04-10 14:04:08

Local clock offset: 1.389 ms

Remote clock offset: 23.05 ms

# Below is generated by plot.py at 2018-04-10 16:53:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.01 Mbit/s

95th percentile per-packet one-way delay: 45.274 ms

Loss rate: 21.26%

-- Flow 1:

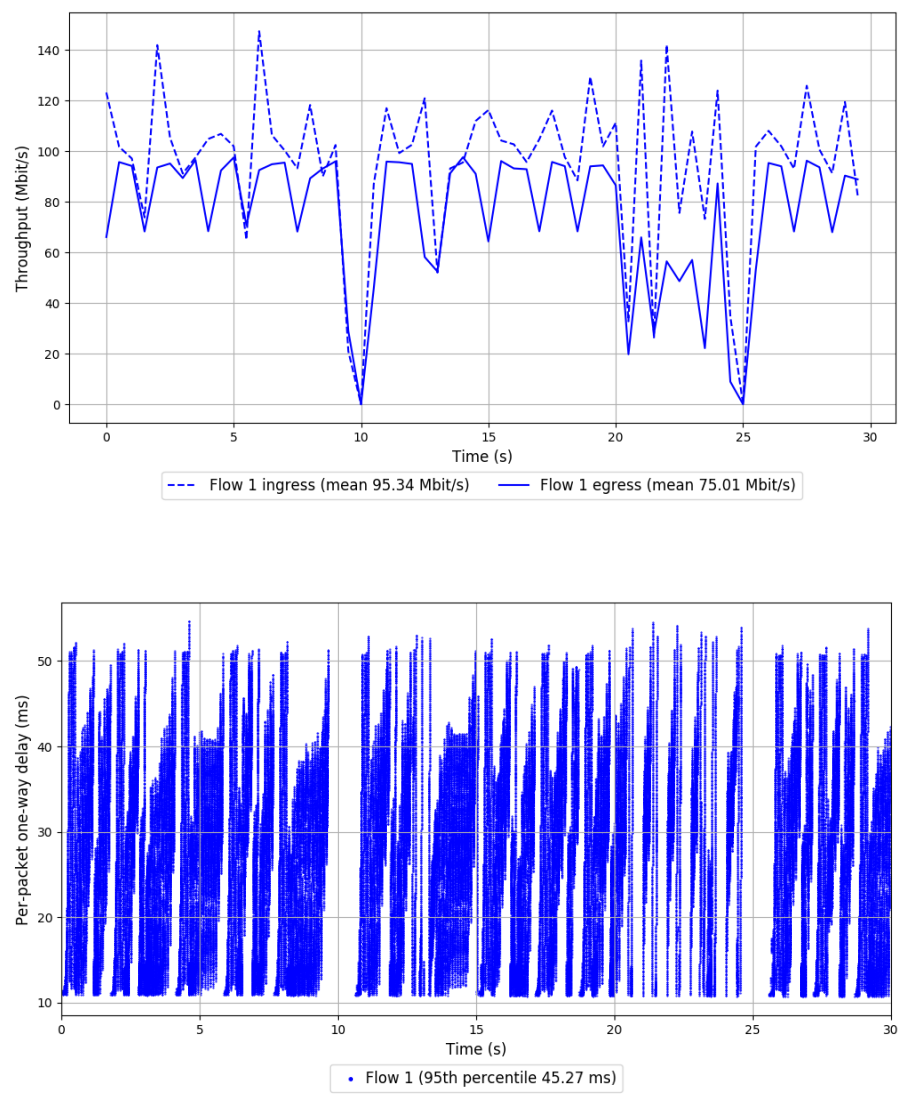
Average throughput: 75.01 Mbit/s

95th percentile per-packet one-way delay: 45.274 ms

Loss rate: 21.26%



Run 5: Report of Verus — Data Link

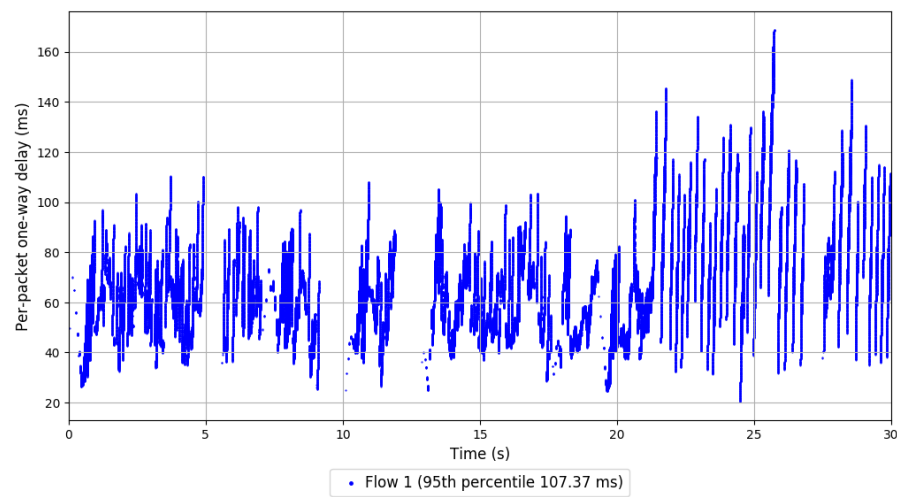
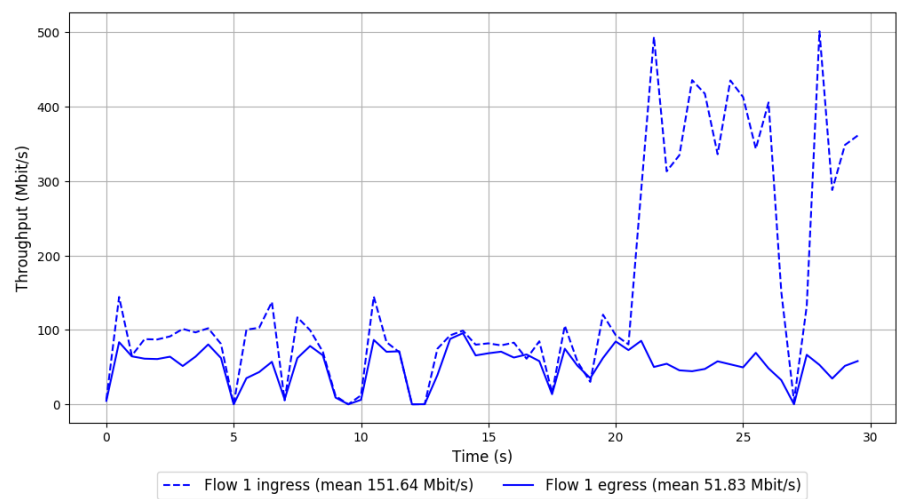


Run 6: Statistics of Verus

Start at: 2018-04-10 14:24:26  
End at: 2018-04-10 14:24:56  
Local clock offset: -1.174 ms  
Remote clock offset: 29.525 ms

# Below is generated by plot.py at 2018-04-10 16:53:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 51.83 Mbit/s  
95th percentile per-packet one-way delay: 107.372 ms  
Loss rate: 65.76%  
-- Flow 1:  
Average throughput: 51.83 Mbit/s  
95th percentile per-packet one-way delay: 107.372 ms  
Loss rate: 65.76%

Run 6: Report of Verus — Data Link

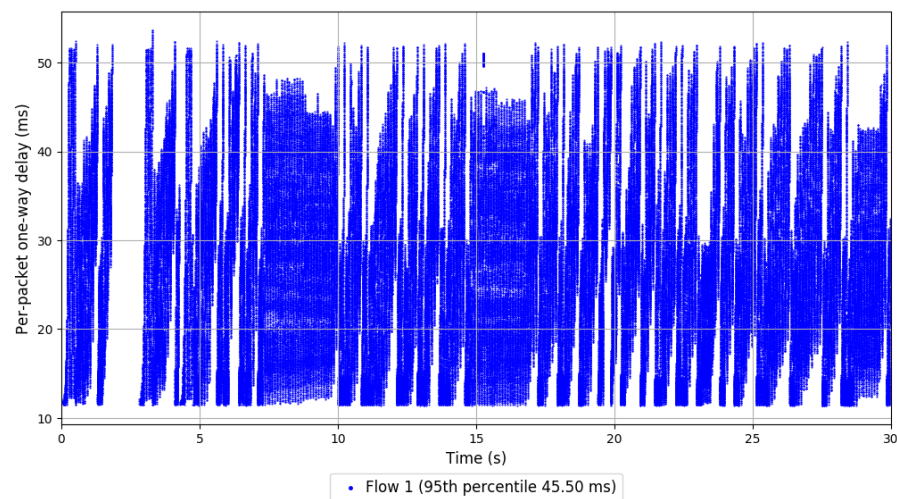
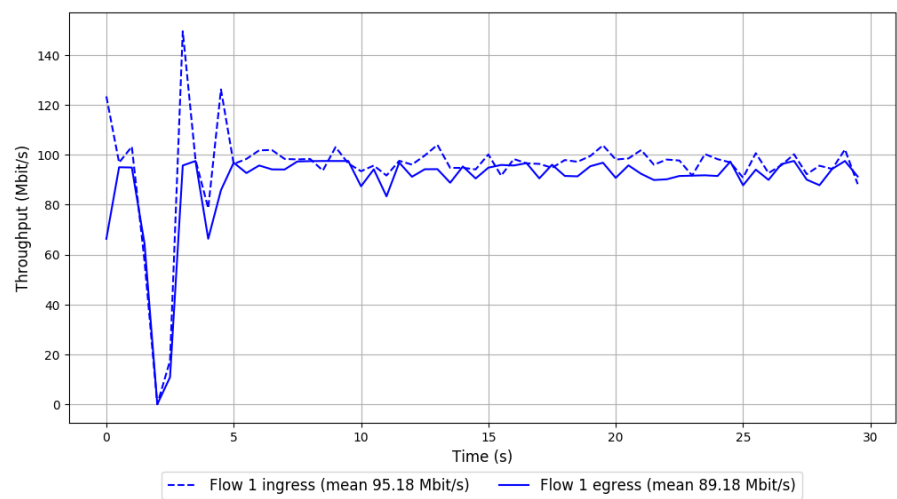


Run 7: Statistics of Verus

Start at: 2018-04-10 14:46:11  
End at: 2018-04-10 14:46:41  
Local clock offset: -1.525 ms  
Remote clock offset: 35.841 ms

# Below is generated by plot.py at 2018-04-10 16:53:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.18 Mbit/s  
95th percentile per-packet one-way delay: 45.504 ms  
Loss rate: 6.27%  
-- Flow 1:  
Average throughput: 89.18 Mbit/s  
95th percentile per-packet one-way delay: 45.504 ms  
Loss rate: 6.27%

Run 7: Report of Verus — Data Link

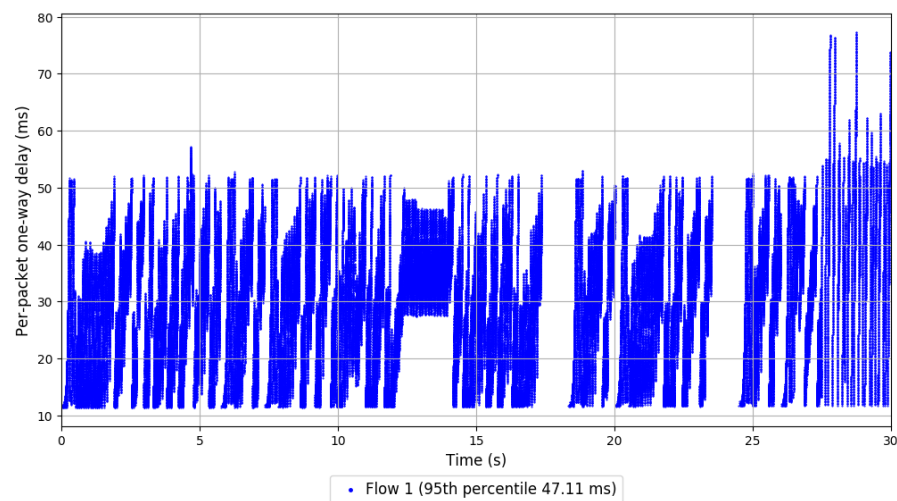
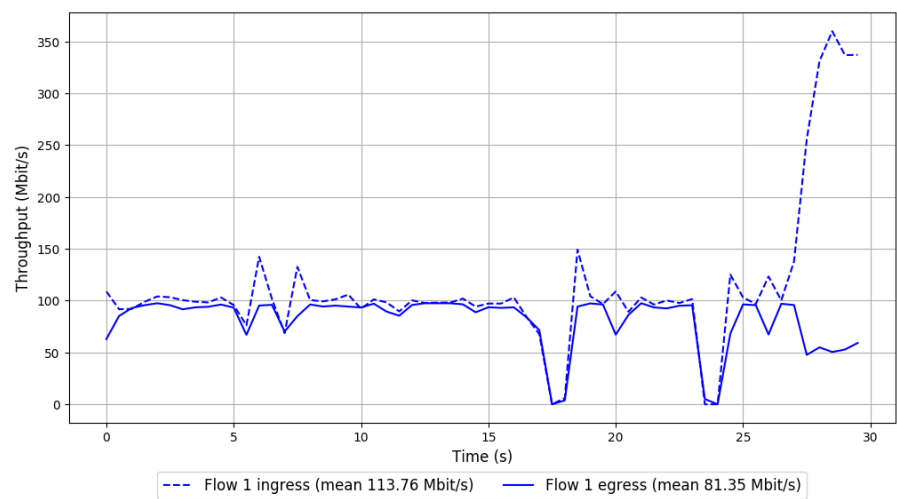


Run 8: Statistics of Verus

Start at: 2018-04-10 15:08:11  
End at: 2018-04-10 15:08:41  
Local clock offset: 0.057 ms  
Remote clock offset: -1.781 ms

# Below is generated by plot.py at 2018-04-10 16:53:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.35 Mbit/s  
95th percentile per-packet one-way delay: 47.106 ms  
Loss rate: 28.34%  
-- Flow 1:  
Average throughput: 81.35 Mbit/s  
95th percentile per-packet one-way delay: 47.106 ms  
Loss rate: 28.34%

Run 8: Report of Verus — Data Link



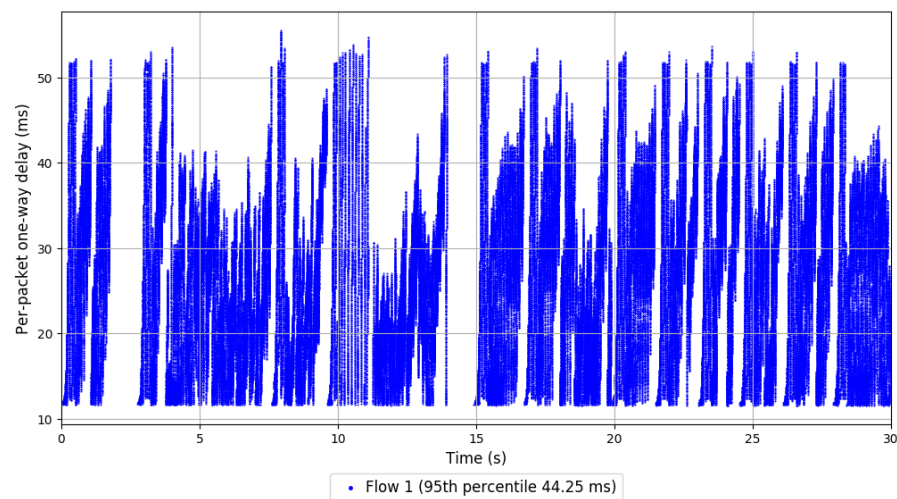
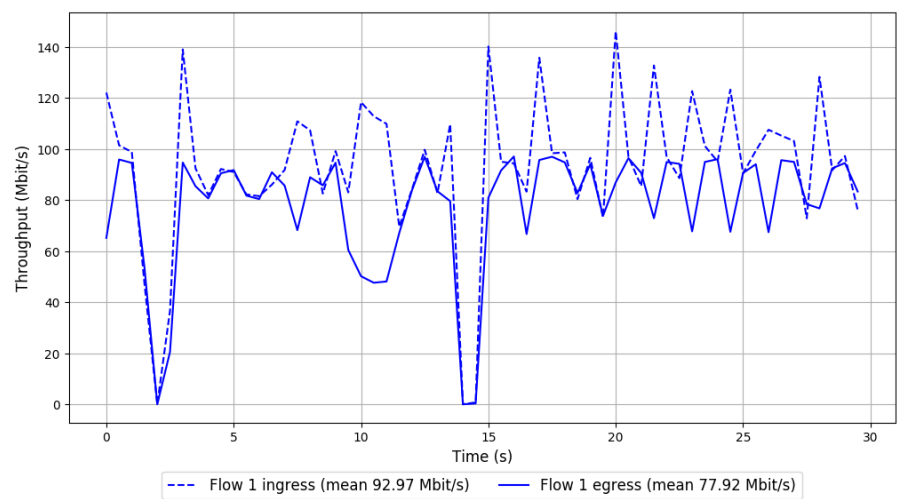
Run 9: Statistics of Verus

Start at: 2018-04-10 15:29:54  
End at: 2018-04-10 15:30:24  
Local clock offset: 0.435 ms  
Remote clock offset: -4.171 ms

# Below is generated by plot.py at 2018-04-10 16:53:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.92 Mbit/s  
95th percentile per-packet one-way delay: 44.251 ms  
Loss rate: 16.16%  
-- Flow 1:  
Average throughput: 77.92 Mbit/s  
95th percentile per-packet one-way delay: 44.251 ms  
Loss rate: 16.16%



Run 9: Report of Verus — Data Link

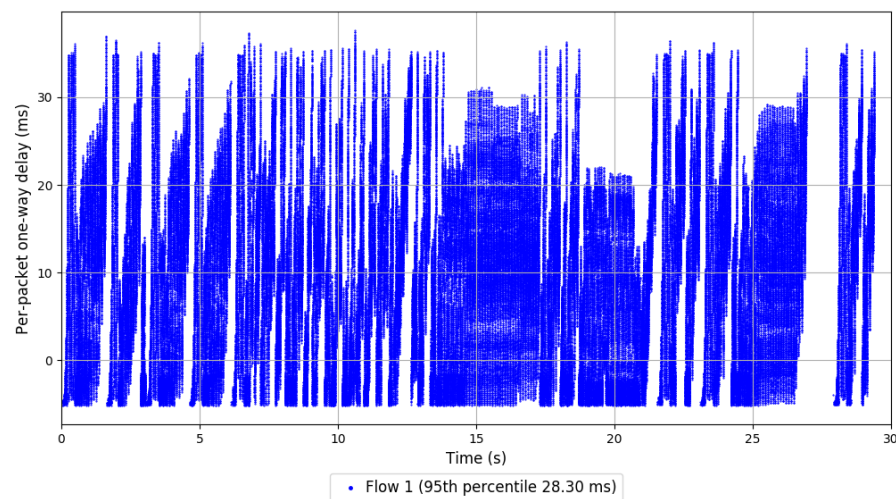
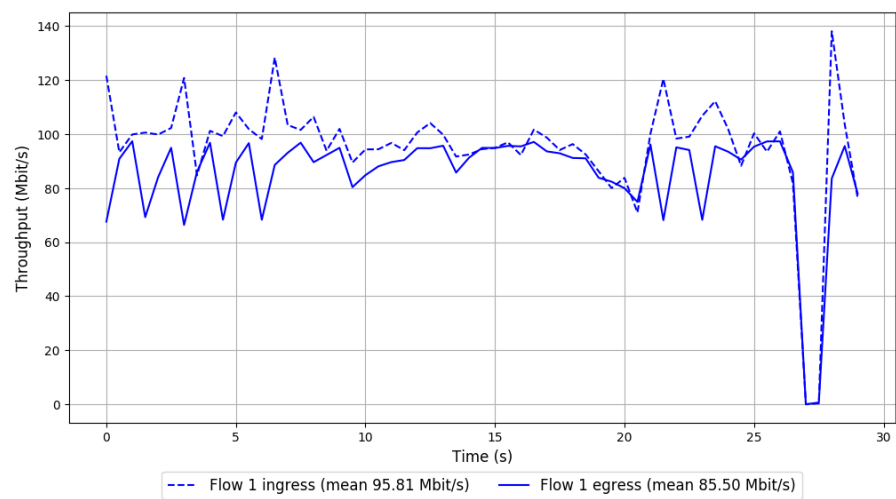


Run 10: Statistics of Verus

Start at: 2018-04-10 15:52:14  
End at: 2018-04-10 15:52:44  
Local clock offset: 0.974 ms  
Remote clock offset: -19.514 ms

# Below is generated by plot.py at 2018-04-10 16:54:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.50 Mbit/s  
95th percentile per-packet one-way delay: 28.304 ms  
Loss rate: 10.65%  
-- Flow 1:  
Average throughput: 85.50 Mbit/s  
95th percentile per-packet one-way delay: 28.304 ms  
Loss rate: 10.65%

Run 10: Report of Verus — Data Link

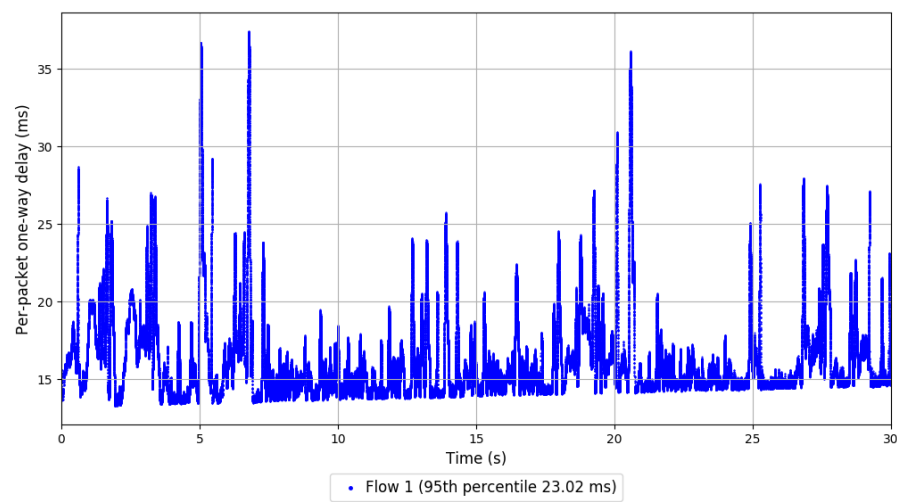
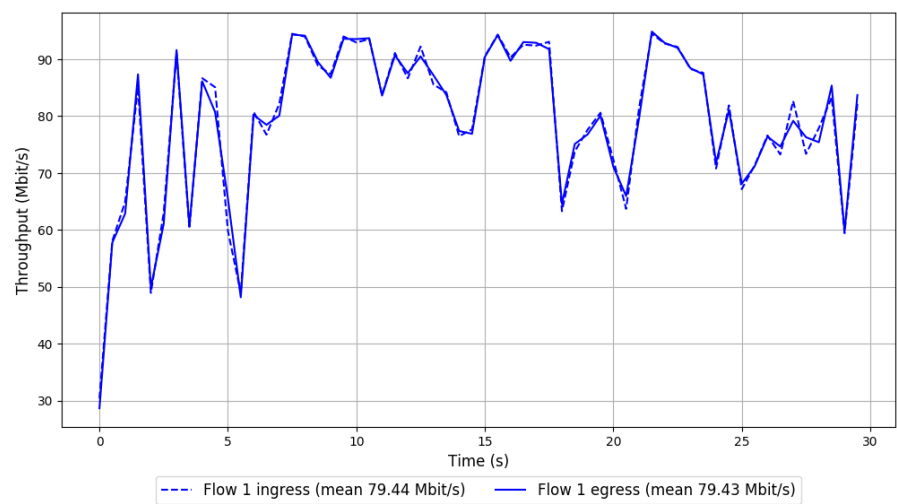


Run 1: Statistics of Copa

Start at: 2018-04-10 12:33:22  
End at: 2018-04-10 12:33:52  
Local clock offset: -0.281 ms  
Remote clock offset: 21.149 ms

# Below is generated by plot.py at 2018-04-10 16:55:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.43 Mbit/s  
95th percentile per-packet one-way delay: 23.023 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 79.43 Mbit/s  
95th percentile per-packet one-way delay: 23.023 ms  
Loss rate: 0.00%

Run 1: Report of Copa — Data Link

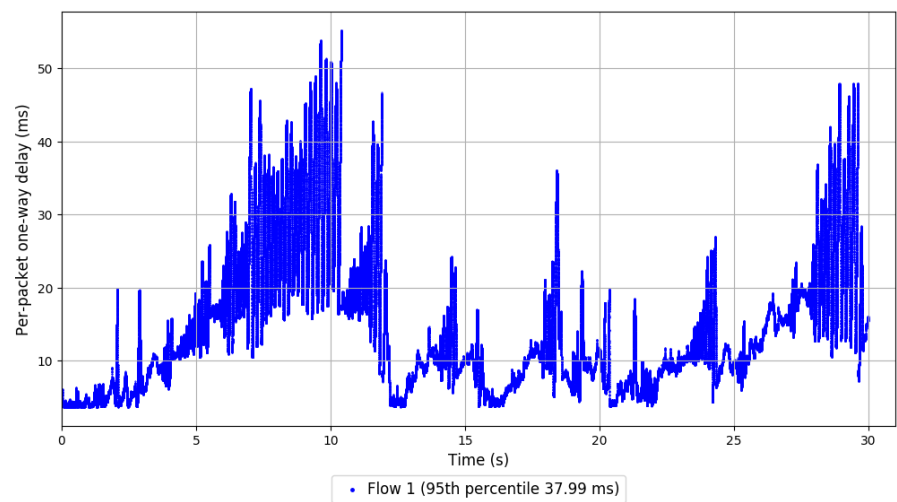
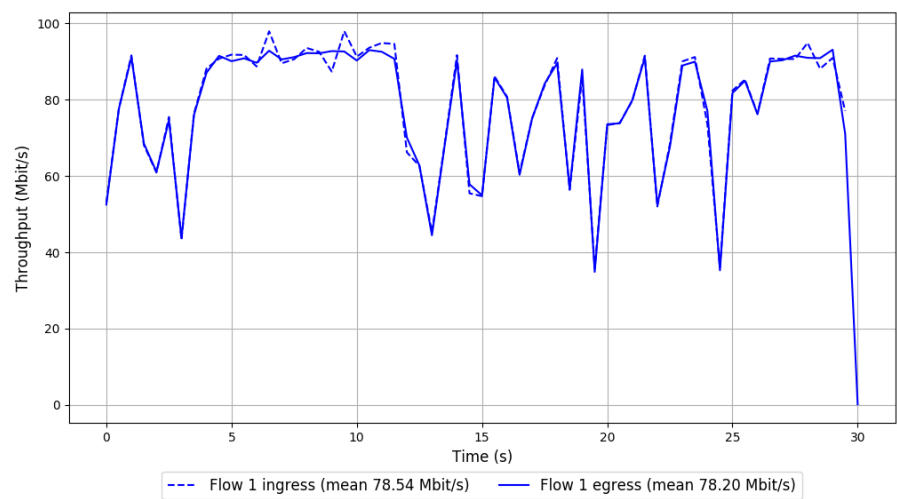


Run 2: Statistics of Copa

Start at: 2018-04-10 12:55:01  
End at: 2018-04-10 12:55:31  
Local clock offset: 0.101 ms  
Remote clock offset: -12.932 ms

# Below is generated by plot.py at 2018-04-10 16:55:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.20 Mbit/s  
95th percentile per-packet one-way delay: 37.986 ms  
Loss rate: 0.41%  
-- Flow 1:  
Average throughput: 78.20 Mbit/s  
95th percentile per-packet one-way delay: 37.986 ms  
Loss rate: 0.41%

Run 2: Report of Copa — Data Link



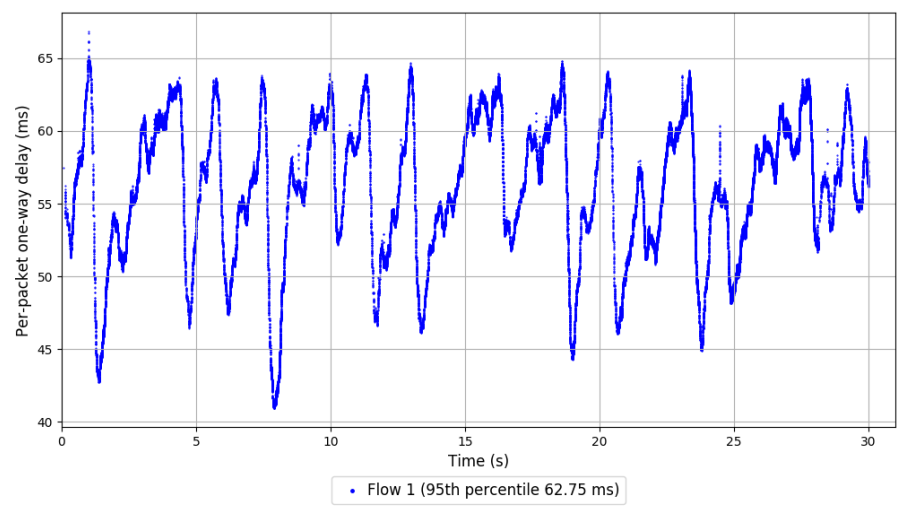
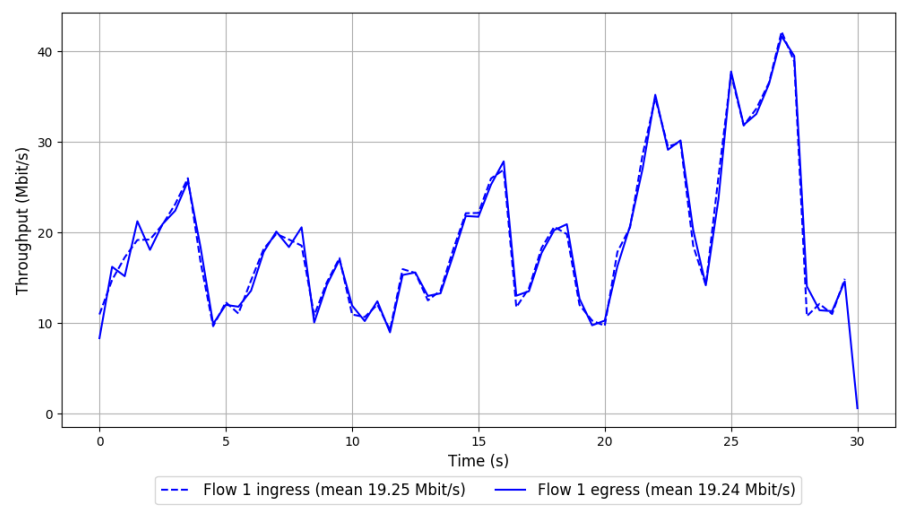
Run 3: Statistics of Copa

Start at: 2018-04-10 13:16:15  
End at: 2018-04-10 13:16:45  
Local clock offset: -0.125 ms  
Remote clock offset: -2.466 ms

# Below is generated by plot.py at 2018-04-10 16:55:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 19.24 Mbit/s  
95th percentile per-packet one-way delay: 62.751 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 19.24 Mbit/s  
95th percentile per-packet one-way delay: 62.751 ms  
Loss rate: 0.16%



Run 3: Report of Copa — Data Link

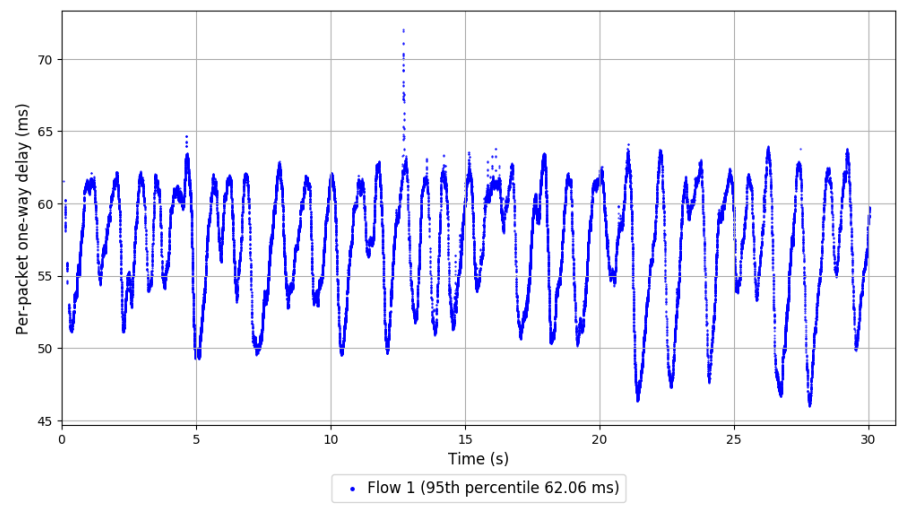
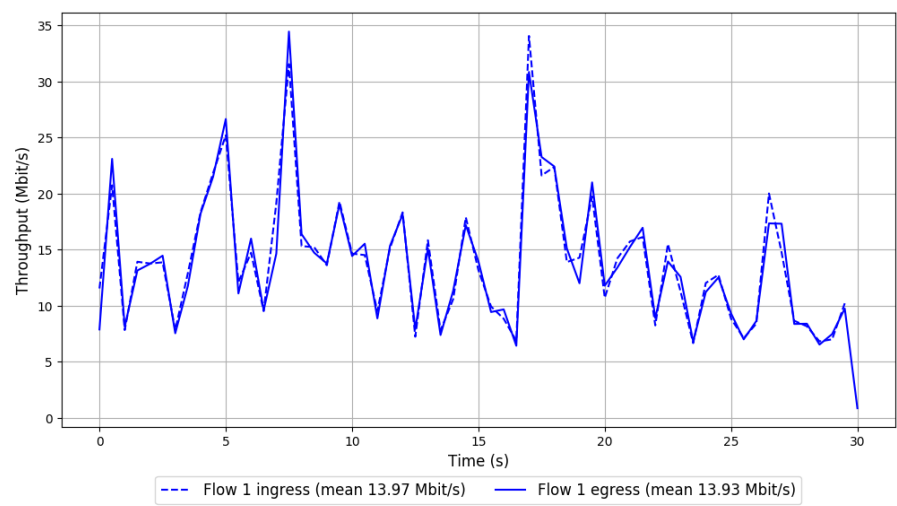


Run 4: Statistics of Copa

Start at: 2018-04-10 13:38:23  
End at: 2018-04-10 13:38:53  
Local clock offset: 0.257 ms  
Remote clock offset: -2.866 ms

# Below is generated by plot.py at 2018-04-10 16:55:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.93 Mbit/s  
95th percentile per-packet one-way delay: 62.063 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 13.93 Mbit/s  
95th percentile per-packet one-way delay: 62.063 ms  
Loss rate: 0.27%

Run 4: Report of Copa — Data Link

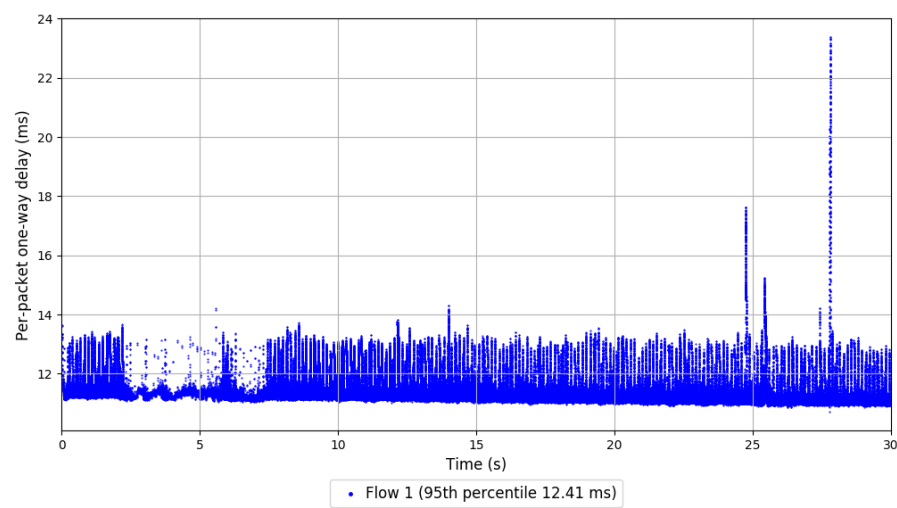
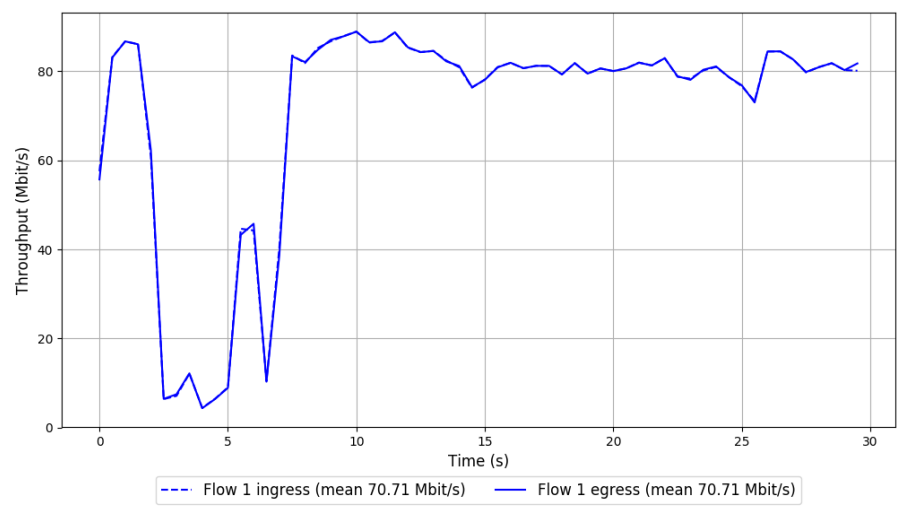


Run 5: Statistics of Copa

Start at: 2018-04-10 14:00:03  
End at: 2018-04-10 14:00:33  
Local clock offset: 0.953 ms  
Remote clock offset: 20.487 ms

# Below is generated by plot.py at 2018-04-10 16:55:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.71 Mbit/s  
95th percentile per-packet one-way delay: 12.406 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 70.71 Mbit/s  
95th percentile per-packet one-way delay: 12.406 ms  
Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2018-04-10 14:20:55

End at: 2018-04-10 14:21:25

Local clock offset: -0.651 ms

Remote clock offset: 28.49 ms

# Below is generated by plot.py at 2018-04-10 16:55:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.20 Mbit/s

95th percentile per-packet one-way delay: 66.058 ms

Loss rate: 0.85%

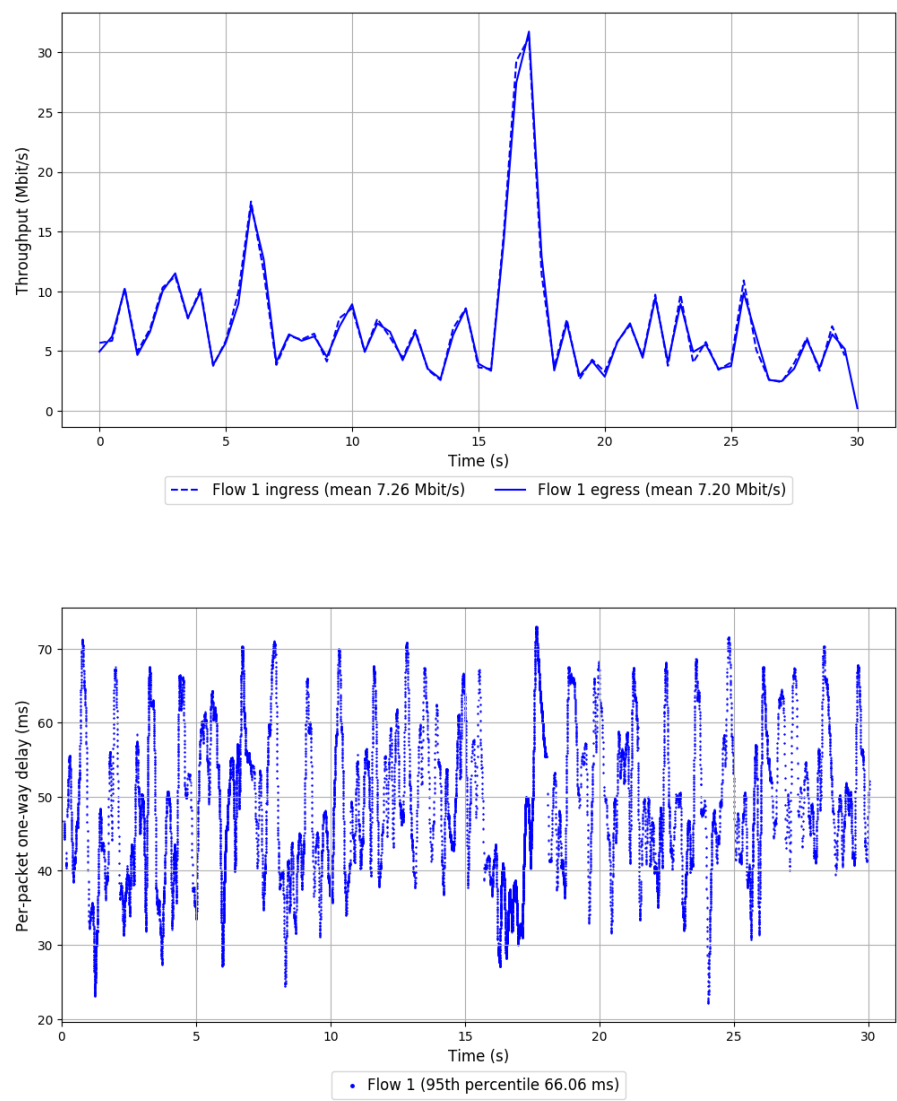
-- Flow 1:

Average throughput: 7.20 Mbit/s

95th percentile per-packet one-way delay: 66.058 ms

Loss rate: 0.85%

Run 6: Report of Copa — Data Link



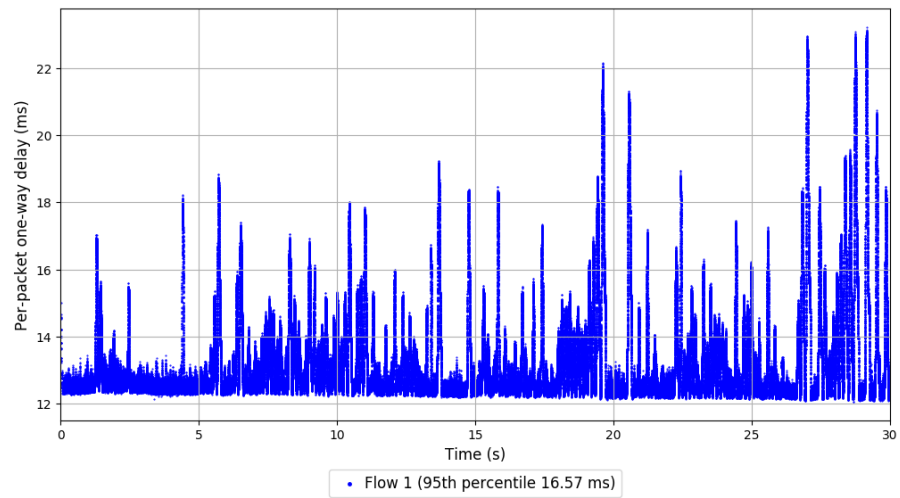
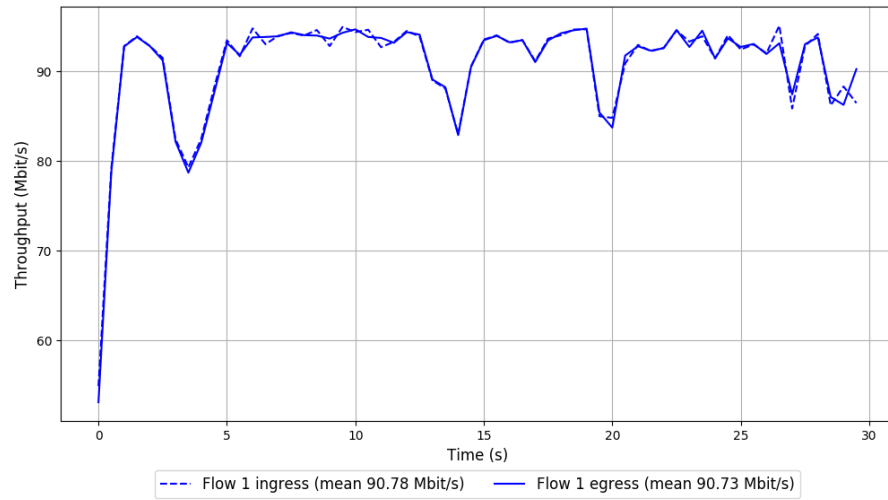
Run 7: Statistics of Copa

Start at: 2018-04-10 14:42:21  
End at: 2018-04-10 14:42:51  
Local clock offset: -1.907 ms  
Remote clock offset: 34.703 ms

# Below is generated by plot.py at 2018-04-10 16:56:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.73 Mbit/s  
95th percentile per-packet one-way delay: 16.575 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 90.73 Mbit/s  
95th percentile per-packet one-way delay: 16.575 ms  
Loss rate: 0.05%



### Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-10 15:04:23

End at: 2018-04-10 15:04:53

Local clock offset: -0.561 ms

Remote clock offset: 1.425 ms

# Below is generated by plot.py at 2018-04-10 16:56:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.17 Mbit/s

95th percentile per-packet one-way delay: 15.810 ms

Loss rate: 0.03%

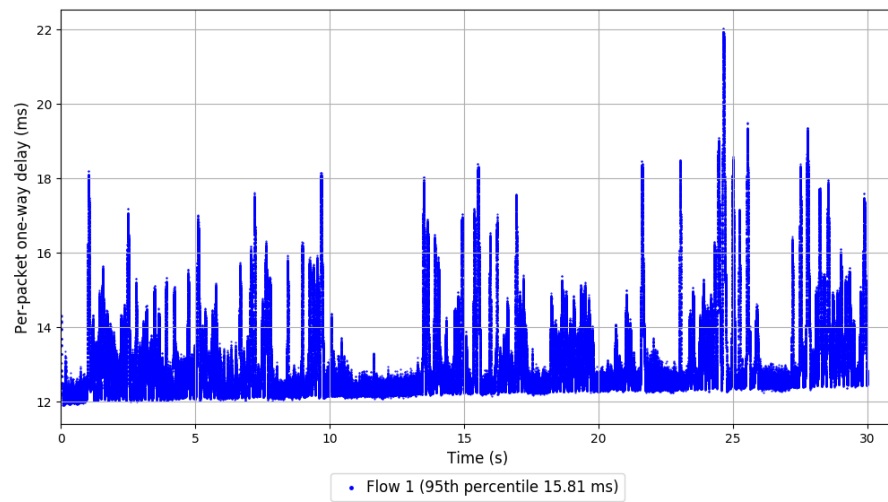
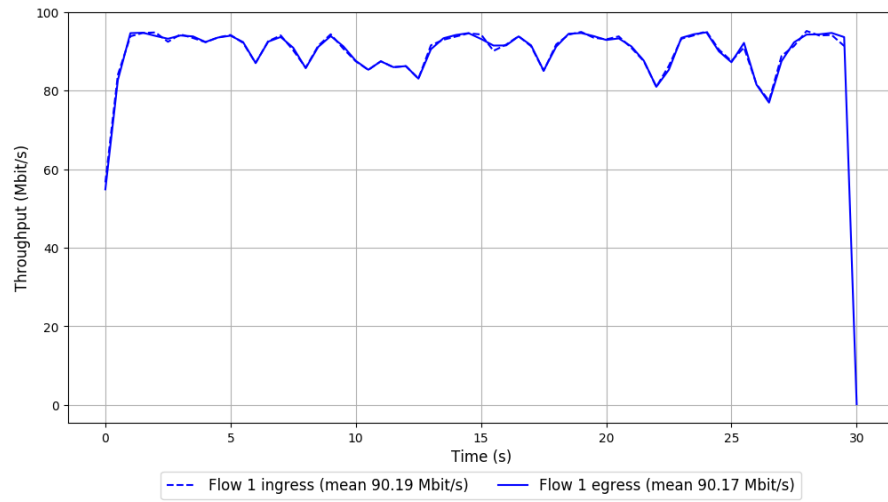
-- Flow 1:

Average throughput: 90.17 Mbit/s

95th percentile per-packet one-way delay: 15.810 ms

Loss rate: 0.03%

### Run 8: Report of Copa — Data Link

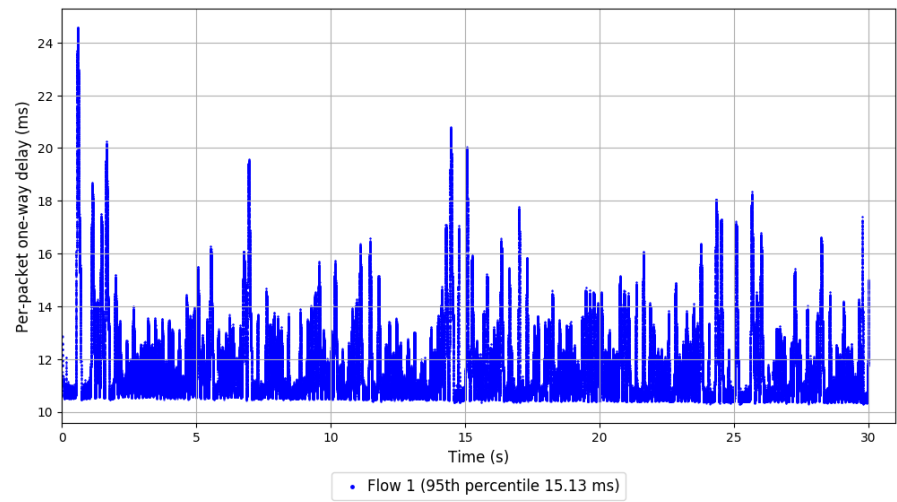
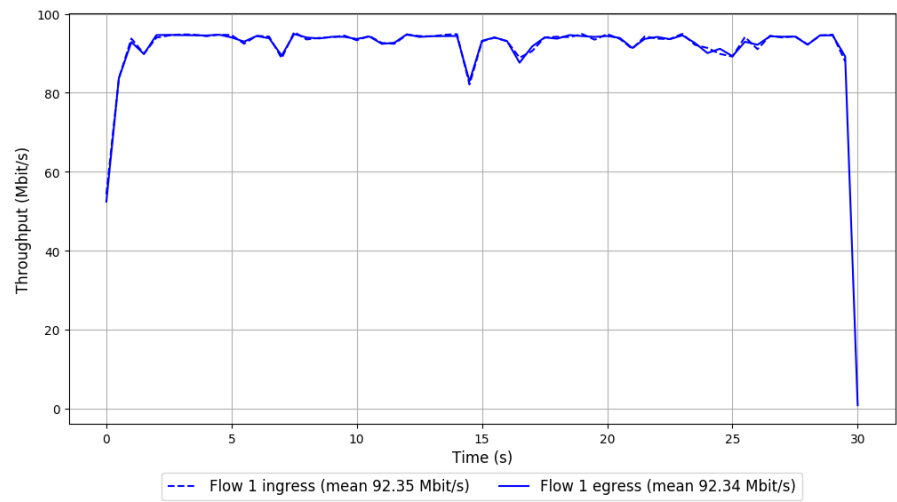


Run 9: Statistics of Copa

Start at: 2018-04-10 15:26:10  
End at: 2018-04-10 15:26:40  
Local clock offset: 0.959 ms  
Remote clock offset: -5.578 ms

# Below is generated by plot.py at 2018-04-10 16:56:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.34 Mbit/s  
95th percentile per-packet one-way delay: 15.128 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 92.34 Mbit/s  
95th percentile per-packet one-way delay: 15.128 ms  
Loss rate: 0.00%

Run 9: Report of Copa — Data Link

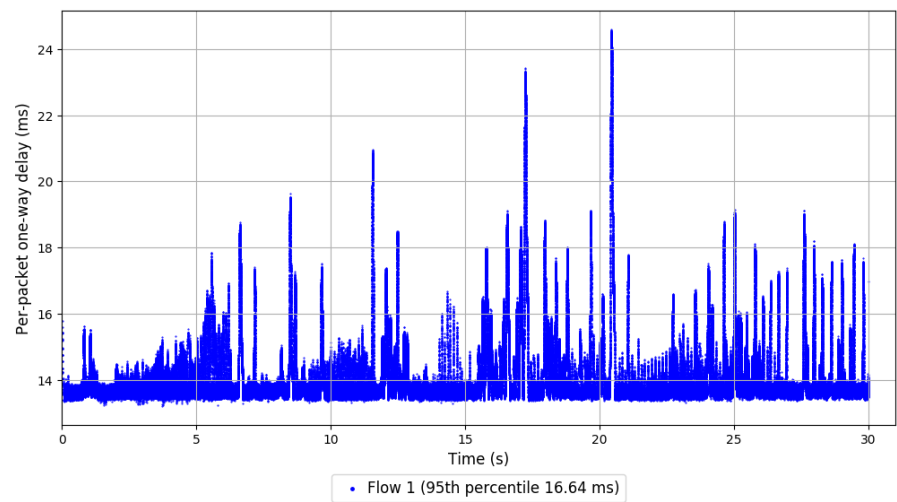
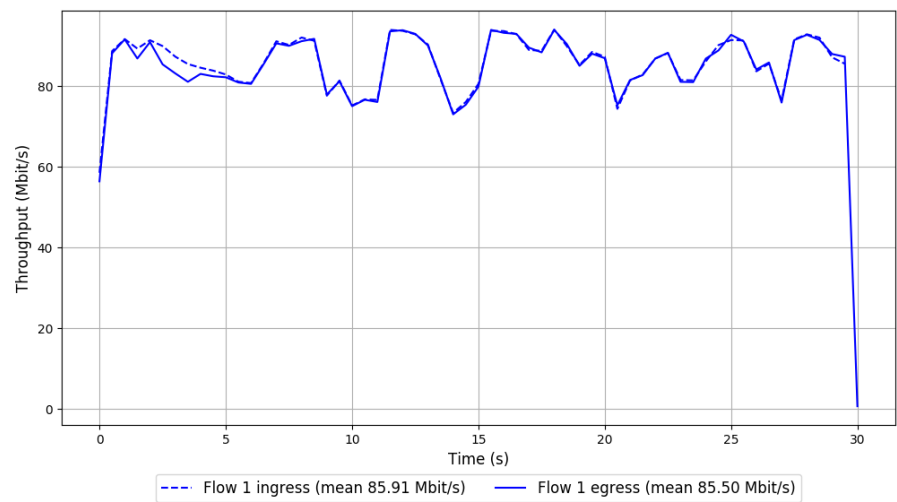


Run 10: Statistics of Copa

Start at: 2018-04-10 15:48:11  
End at: 2018-04-10 15:48:41  
Local clock offset: 0.427 ms  
Remote clock offset: -1.403 ms

# Below is generated by plot.py at 2018-04-10 16:56:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.50 Mbit/s  
95th percentile per-packet one-way delay: 16.643 ms  
Loss rate: 0.47%  
-- Flow 1:  
Average throughput: 85.50 Mbit/s  
95th percentile per-packet one-way delay: 16.643 ms  
Loss rate: 0.47%

Run 10: Report of Copa — Data Link



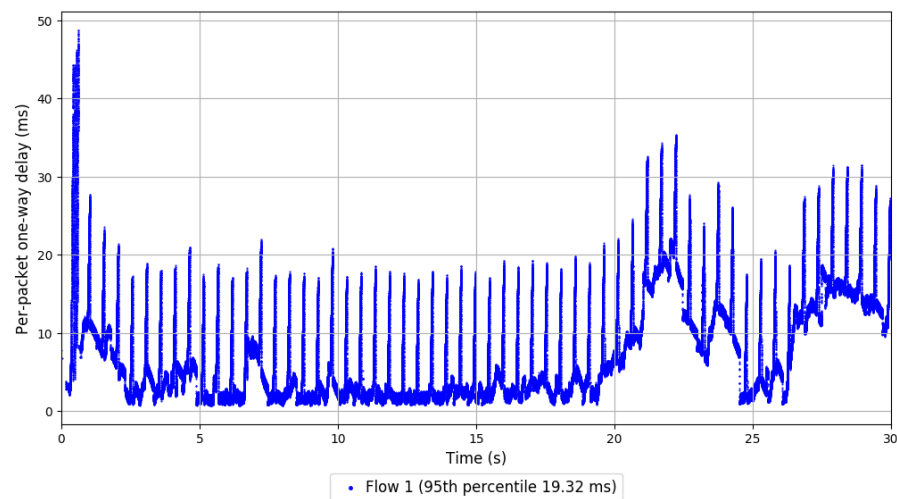
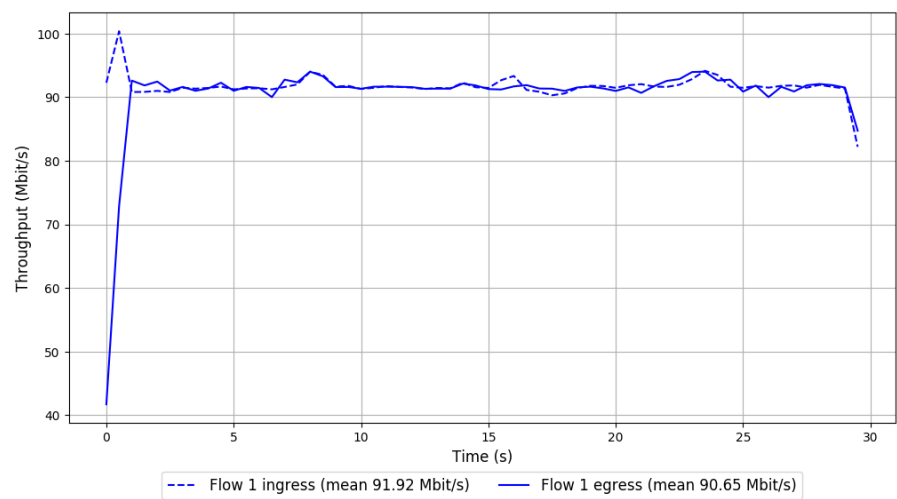
```
Run 1: Statistics of FillP

Start at: 2018-04-10 12:50:14
End at: 2018-04-10 12:50:44
Local clock offset: 0.276 ms
Remote clock offset: -13.207 ms

# Below is generated by plot.py at 2018-04-10 16:56:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.65 Mbit/s
95th percentile per-packet one-way delay: 19.318 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 90.65 Mbit/s
95th percentile per-packet one-way delay: 19.318 ms
Loss rate: 1.32%
```



Run 1: Report of FillP — Data Link

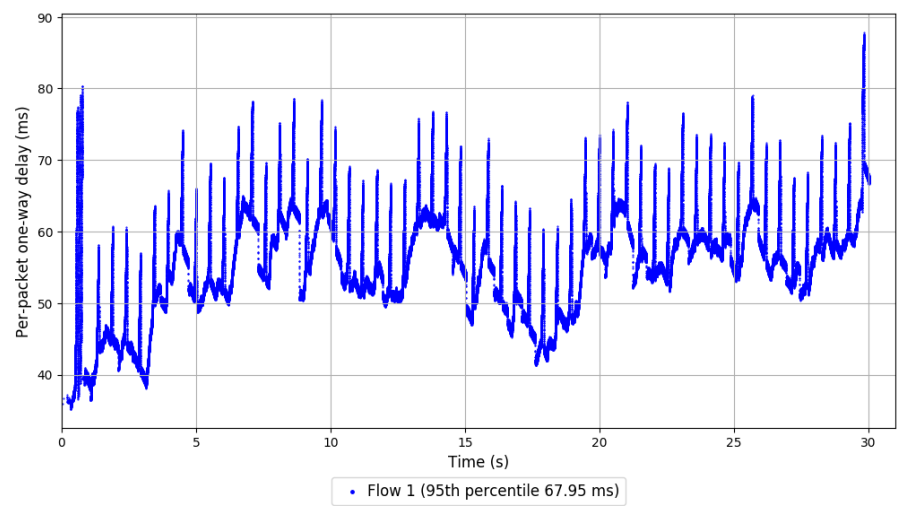
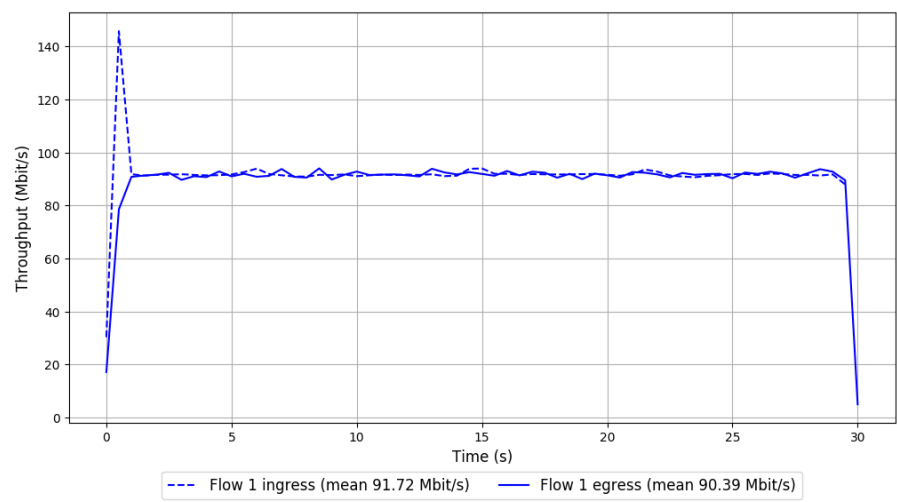


Run 2: Statistics of FillP

Start at: 2018-04-10 13:11:27  
End at: 2018-04-10 13:11:57  
Local clock offset: 0.095 ms  
Remote clock offset: -3.156 ms

# Below is generated by plot.py at 2018-04-10 16:56:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.39 Mbit/s  
95th percentile per-packet one-way delay: 67.948 ms  
Loss rate: 1.35%  
-- Flow 1:  
Average throughput: 90.39 Mbit/s  
95th percentile per-packet one-way delay: 67.948 ms  
Loss rate: 1.35%

Run 2: Report of FillP — Data Link

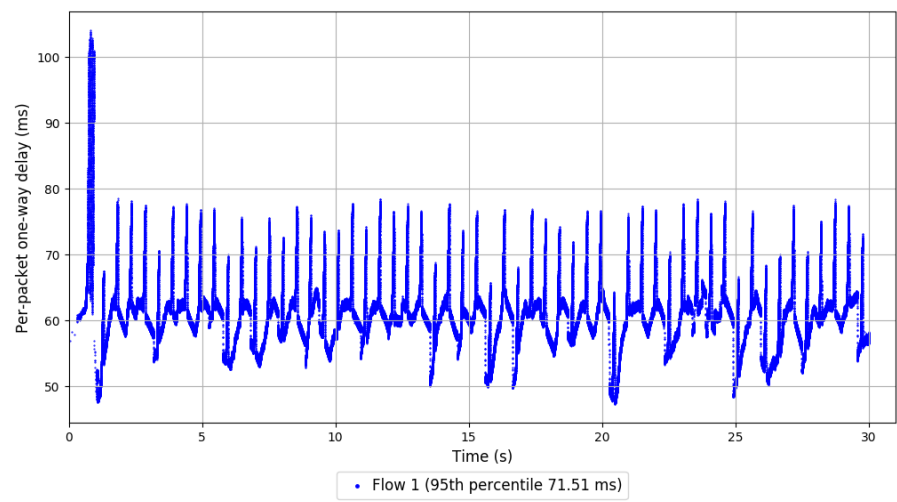
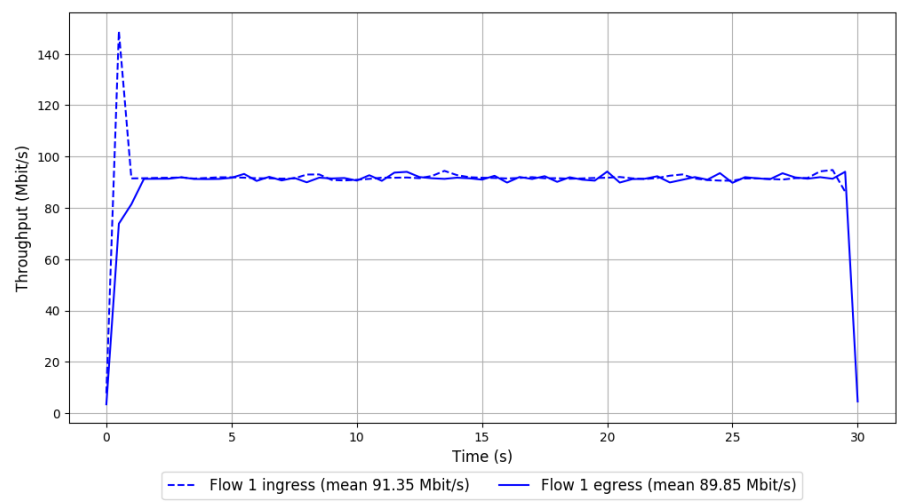


Run 3: Statistics of FillP

Start at: 2018-04-10 13:33:43  
End at: 2018-04-10 13:34:13  
Local clock offset: -0.212 ms  
Remote clock offset: -2.721 ms

# Below is generated by plot.py at 2018-04-10 16:56:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.85 Mbit/s  
95th percentile per-packet one-way delay: 71.509 ms  
Loss rate: 1.64%  
-- Flow 1:  
Average throughput: 89.85 Mbit/s  
95th percentile per-packet one-way delay: 71.509 ms  
Loss rate: 1.64%

Run 3: Report of FillP — Data Link

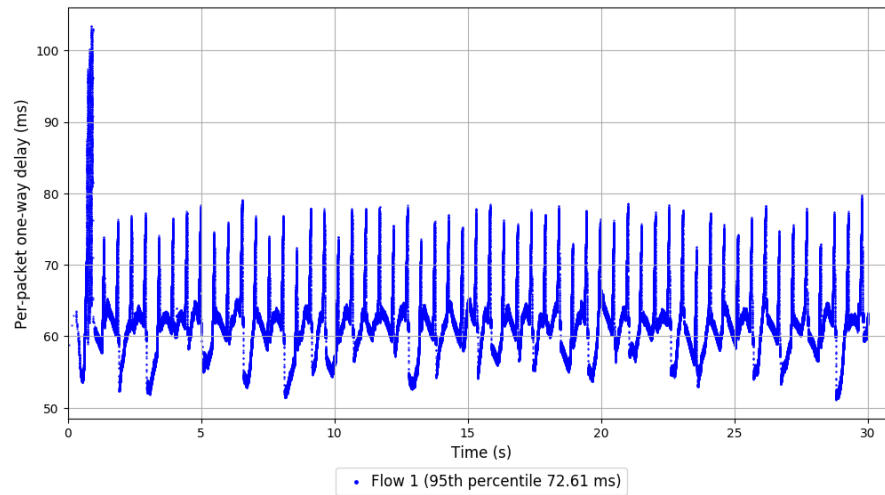
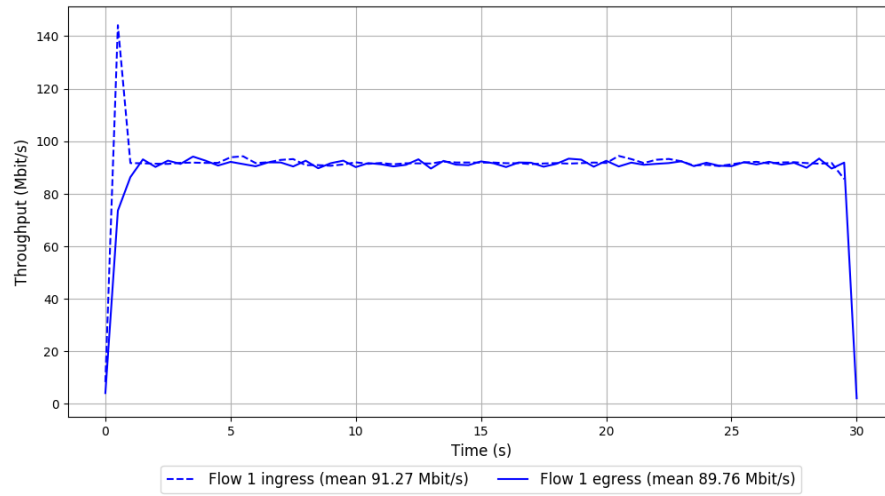


Run 4: Statistics of FillP

Start at: 2018-04-10 13:55:04  
End at: 2018-04-10 13:55:34  
Local clock offset: 1.097 ms  
Remote clock offset: 17.759 ms

# Below is generated by plot.py at 2018-04-10 16:57:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.76 Mbit/s  
95th percentile per-packet one-way delay: 72.615 ms  
Loss rate: 1.70%  
-- Flow 1:  
Average throughput: 89.76 Mbit/s  
95th percentile per-packet one-way delay: 72.615 ms  
Loss rate: 1.70%

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



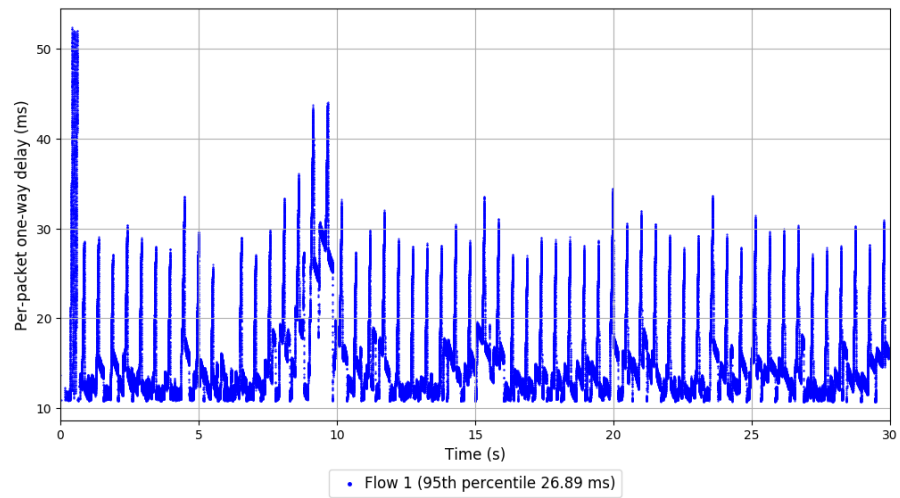
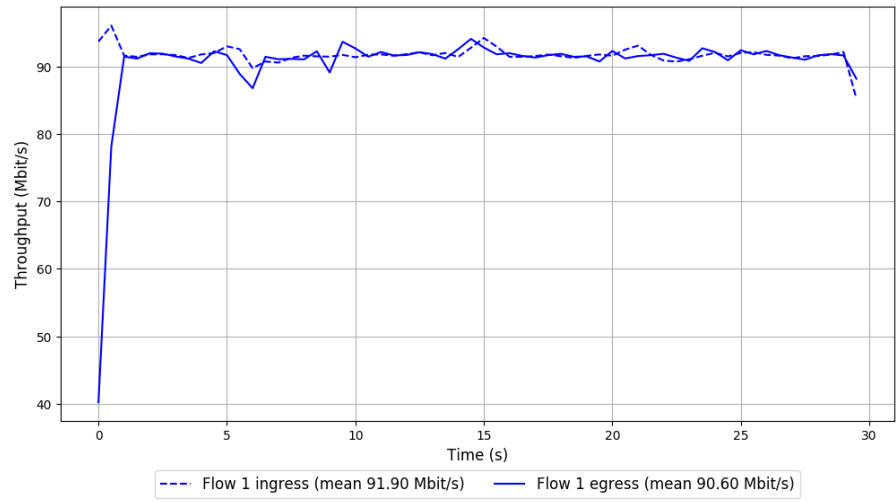
Run 5: Statistics of FillP

Start at: 2018-04-10 14:16:24  
End at: 2018-04-10 14:16:54  
Local clock offset: 0.261 ms  
Remote clock offset: 27.628 ms

# Below is generated by plot.py at 2018-04-10 16:57:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.60 Mbit/s  
95th percentile per-packet one-way delay: 26.886 ms  
Loss rate: 1.40%  
-- Flow 1:  
Average throughput: 90.60 Mbit/s  
95th percentile per-packet one-way delay: 26.886 ms  
Loss rate: 1.40%



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



Run 6: Statistics of FillP

Start at: 2018-04-10 14:37:34

End at: 2018-04-10 14:38:04

Local clock offset: -1.282 ms

Remote clock offset: 32.61 ms

# Below is generated by plot.py at 2018-04-10 16:57:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.20 Mbit/s

95th percentile per-packet one-way delay: 24.758 ms

Loss rate: 1.92%

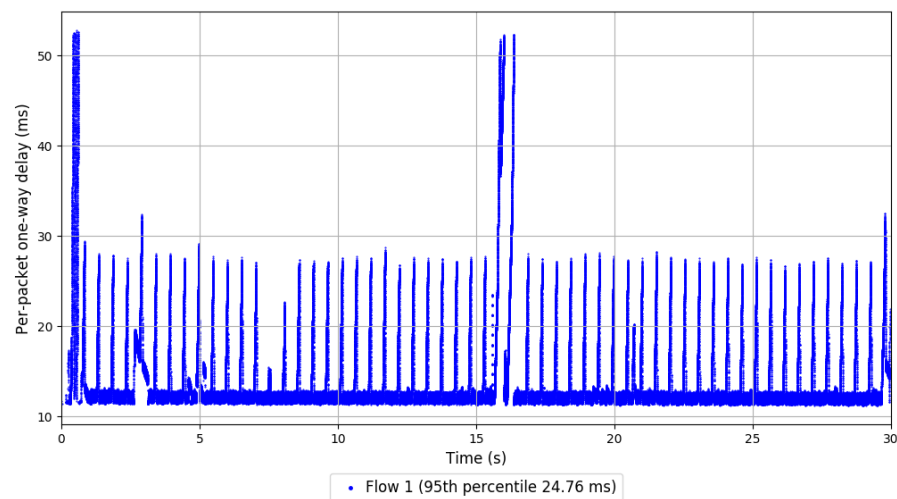
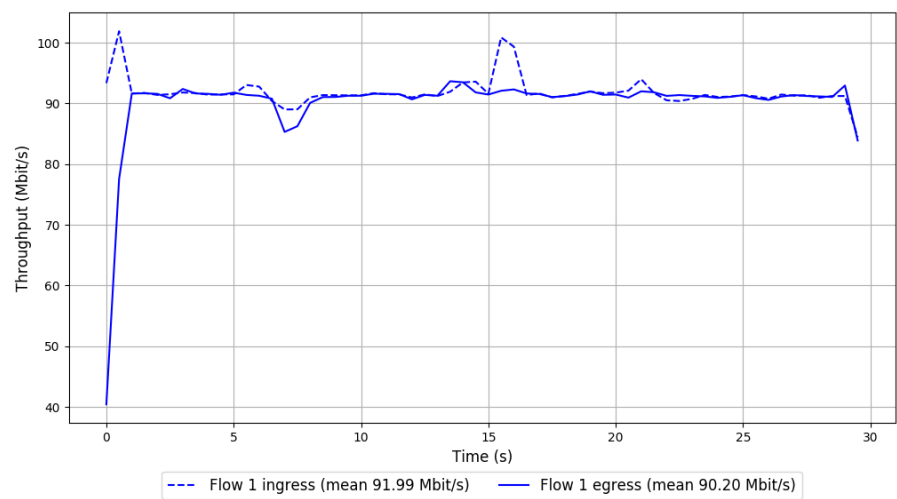
-- Flow 1:

Average throughput: 90.20 Mbit/s

95th percentile per-packet one-way delay: 24.758 ms

Loss rate: 1.92%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-10 14:59:36

End at: 2018-04-10 15:00:06

Local clock offset: 0.165 ms

Remote clock offset: 6.884 ms

# Below is generated by plot.py at 2018-04-10 16:58:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.39 Mbit/s

95th percentile per-packet one-way delay: 24.460 ms

Loss rate: 1.41%

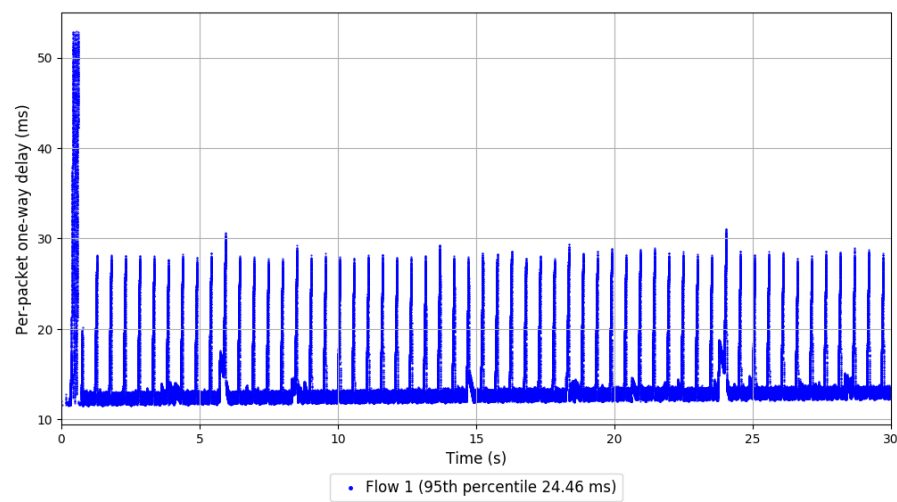
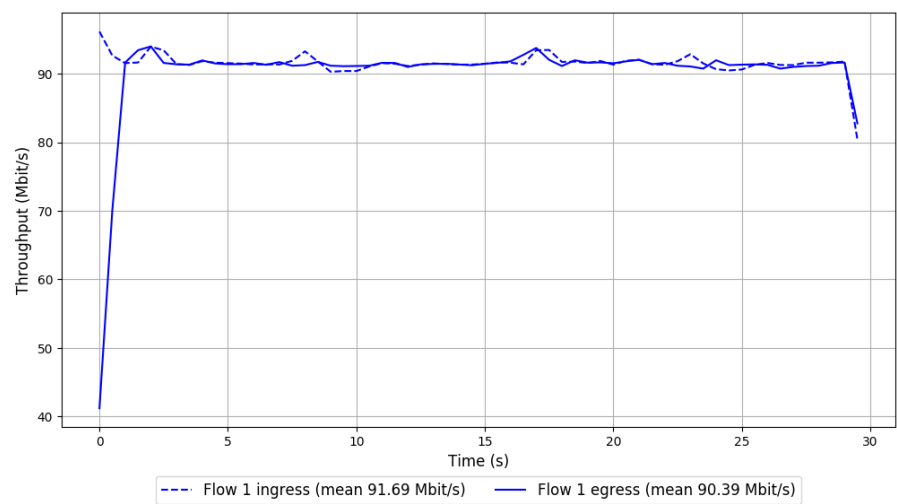
-- Flow 1:

Average throughput: 90.39 Mbit/s

95th percentile per-packet one-way delay: 24.460 ms

Loss rate: 1.41%

Run 7: Report of FillP — Data Link

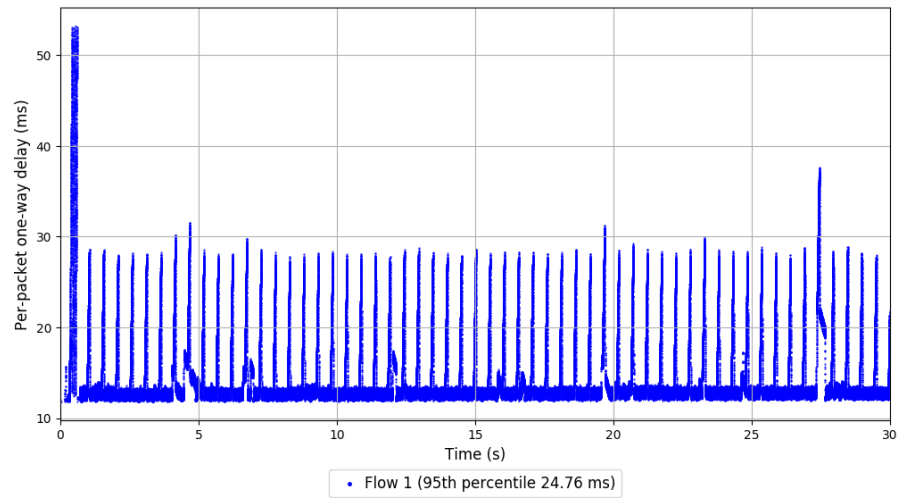
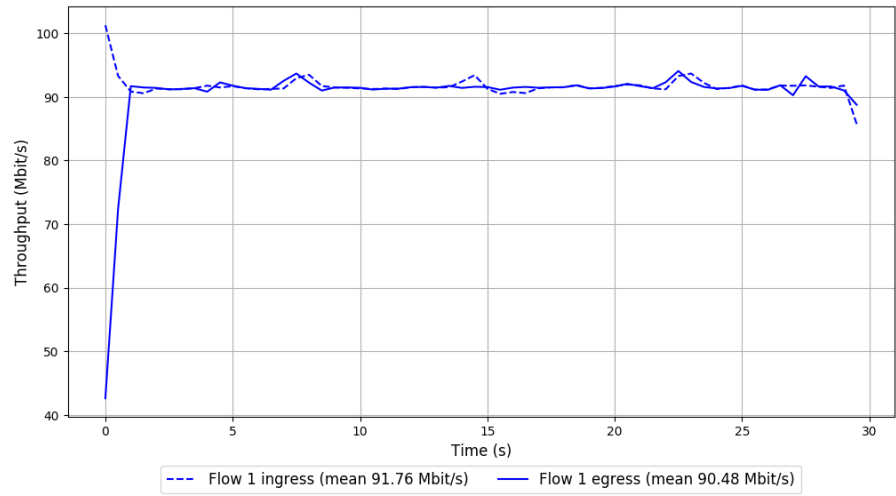


Run 8: Statistics of FillP

Start at: 2018-04-10 15:21:31  
End at: 2018-04-10 15:22:01  
Local clock offset: -0.206 ms  
Remote clock offset: -7.058 ms

# Below is generated by plot.py at 2018-04-10 16:58:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.48 Mbit/s  
95th percentile per-packet one-way delay: 24.758 ms  
Loss rate: 1.37%  
-- Flow 1:  
Average throughput: 90.48 Mbit/s  
95th percentile per-packet one-way delay: 24.758 ms  
Loss rate: 1.37%

## Run 8: Report of FillP — Data Link



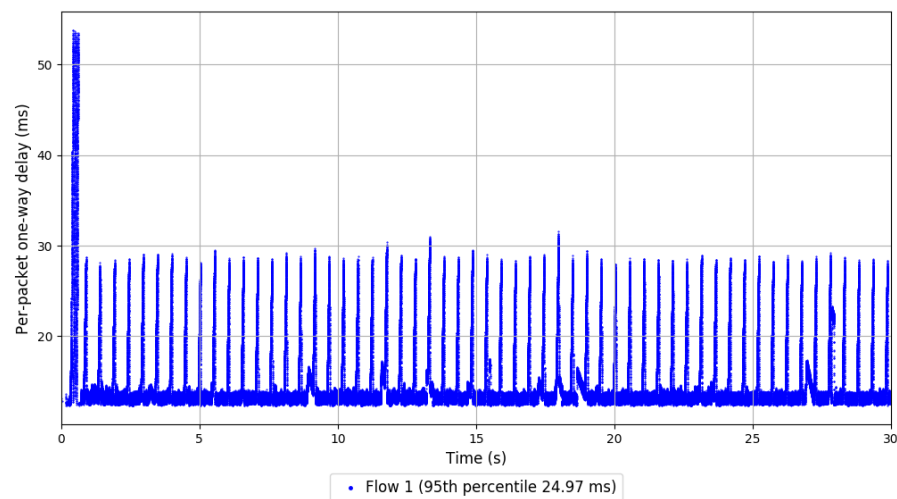
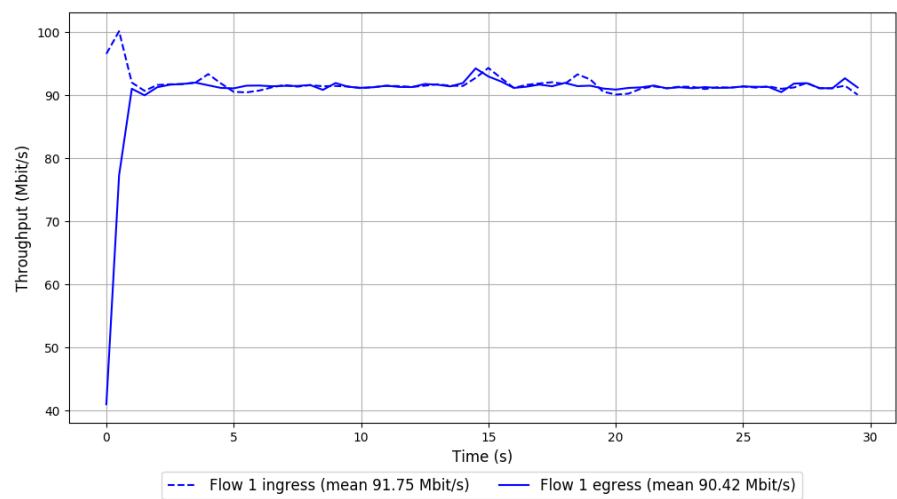
Run 9: Statistics of FillP

Start at: 2018-04-10 15:43:06  
End at: 2018-04-10 15:43:36  
Local clock offset: 0.465 ms  
Remote clock offset: -2.087 ms

# Below is generated by plot.py at 2018-04-10 16:58:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.42 Mbit/s  
95th percentile per-packet one-way delay: 24.971 ms  
Loss rate: 1.44%  
-- Flow 1:  
Average throughput: 90.42 Mbit/s  
95th percentile per-packet one-way delay: 24.971 ms  
Loss rate: 1.44%



Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-10 16:05:44

End at: 2018-04-10 16:06:14

Local clock offset: 0.799 ms

Remote clock offset: -0.718 ms

# Below is generated by plot.py at 2018-04-10 16:58:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.47 Mbit/s

95th percentile per-packet one-way delay: 25.671 ms

Loss rate: 1.39%

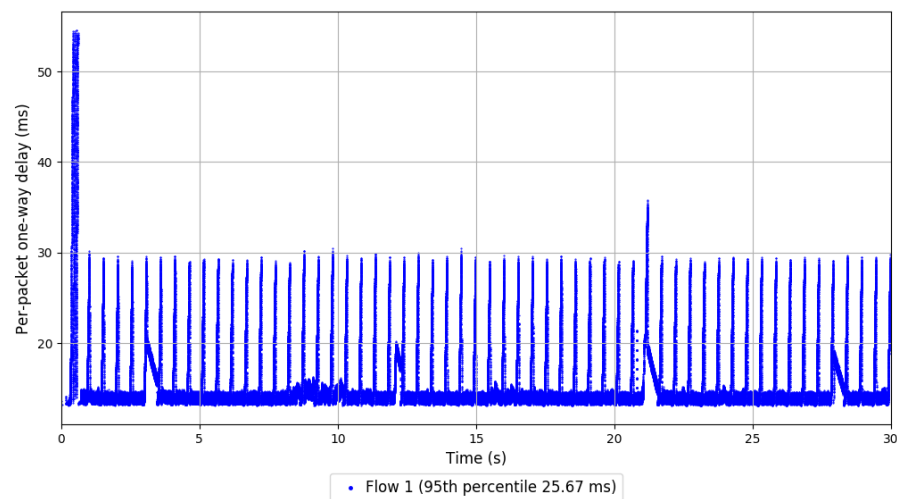
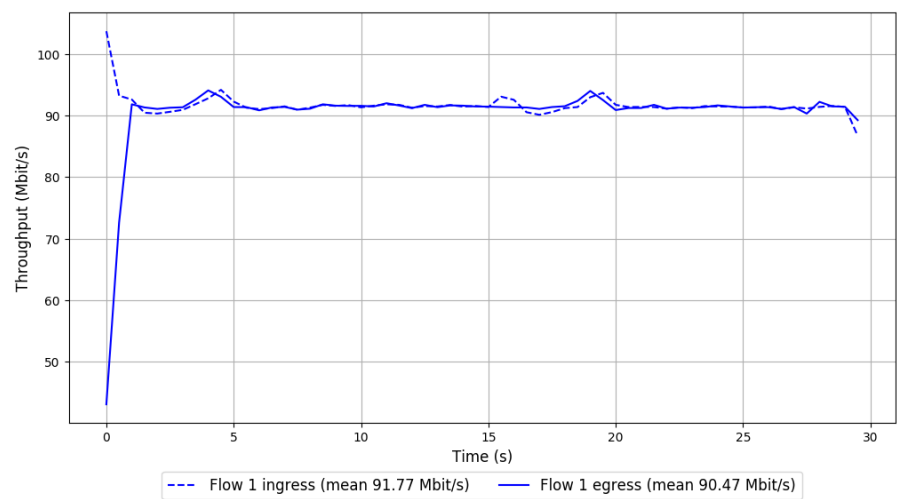
-- Flow 1:

Average throughput: 90.47 Mbit/s

95th percentile per-packet one-way delay: 25.671 ms

Loss rate: 1.39%

Run 10: Report of FillP — Data Link

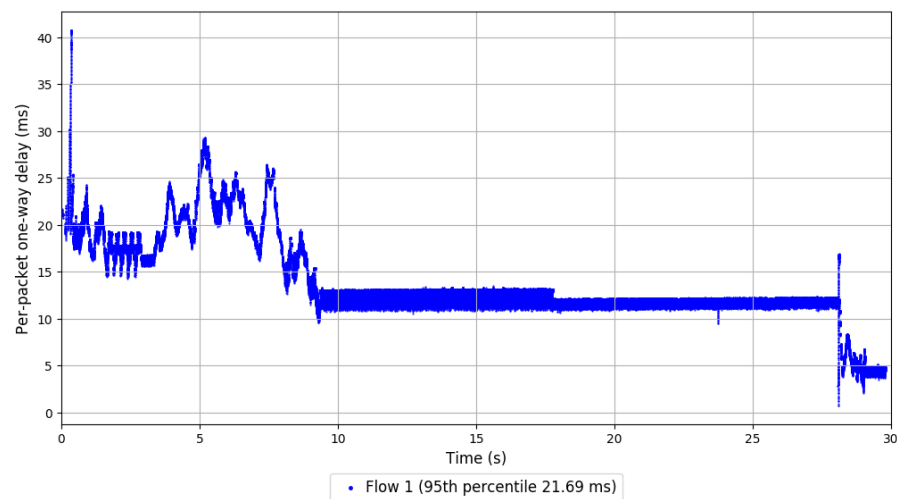
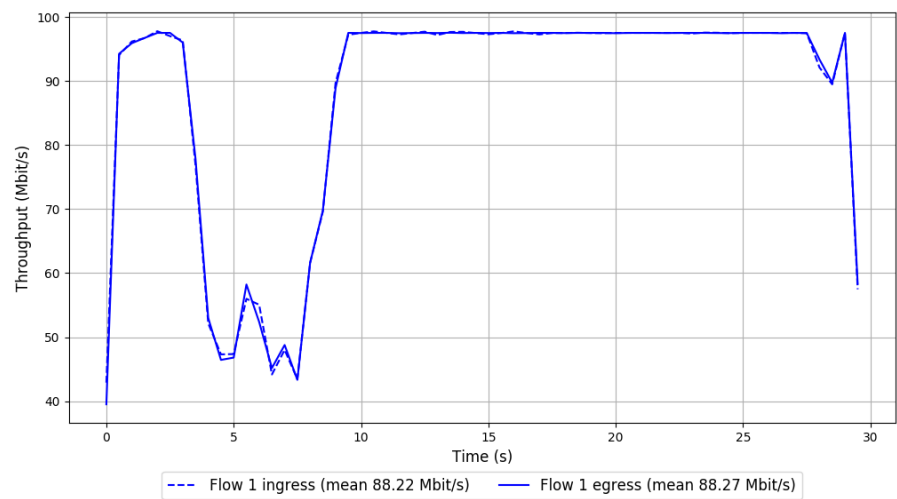


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-10 12:43:58
End at: 2018-04-10 12:44:28
Local clock offset: 0.671 ms
Remote clock offset: -15.512 ms

# Below is generated by plot.py at 2018-04-10 16:58:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.27 Mbit/s
95th percentile per-packet one-way delay: 21.689 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.27 Mbit/s
95th percentile per-packet one-way delay: 21.689 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-1-32 — Data Link



Run 2: Statistics of Indigo-1-32

Start at: 2018-04-10 13:05:35

End at: 2018-04-10 13:06:05

Local clock offset: 0.364 ms

Remote clock offset: -7.71 ms

# Below is generated by plot.py at 2018-04-10 16:58:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.55 Mbit/s

95th percentile per-packet one-way delay: 32.190 ms

Loss rate: 0.00%

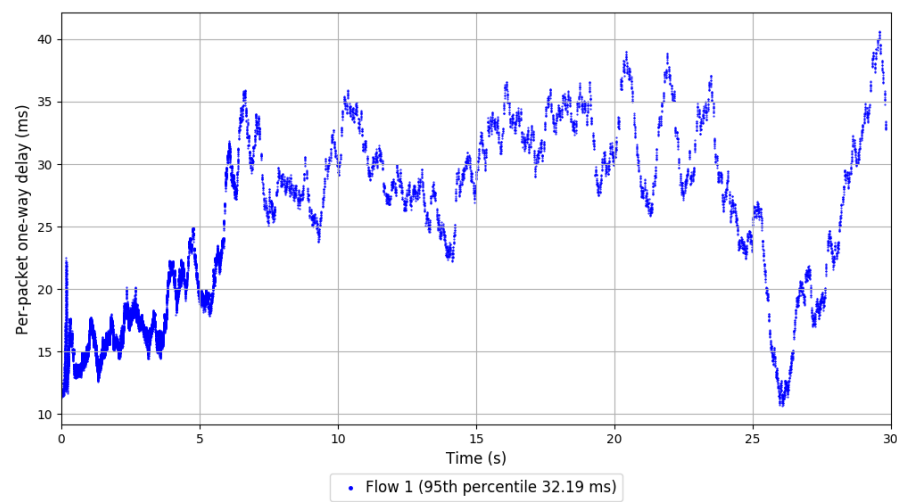
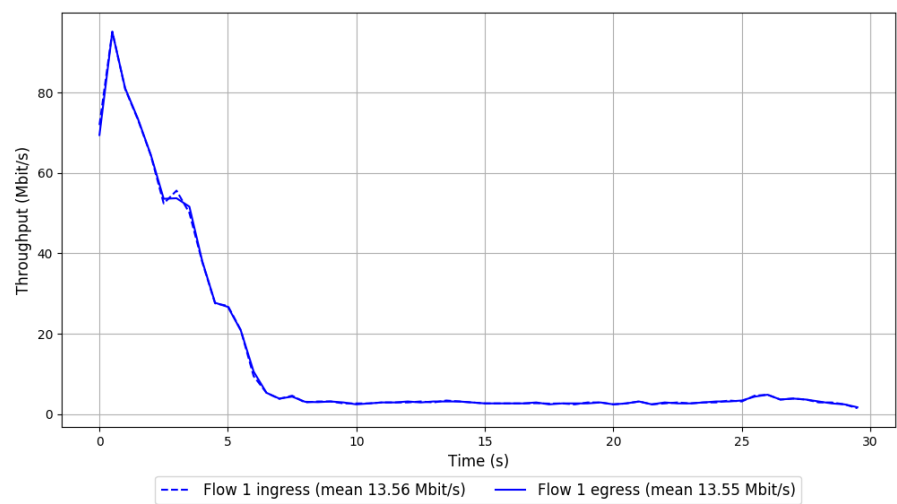
-- Flow 1:

Average throughput: 13.55 Mbit/s

95th percentile per-packet one-way delay: 32.190 ms

Loss rate: 0.00%

Run 2: Report of Indigo-1-32 — Data Link



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-10 13:27:32

End at: 2018-04-10 13:28:02

Local clock offset: 0.314 ms

Remote clock offset: -2.836 ms

# Below is generated by plot.py at 2018-04-10 16:58:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 20.37 Mbit/s

95th percentile per-packet one-way delay: 61.781 ms

Loss rate: 0.11%

-- Flow 1:

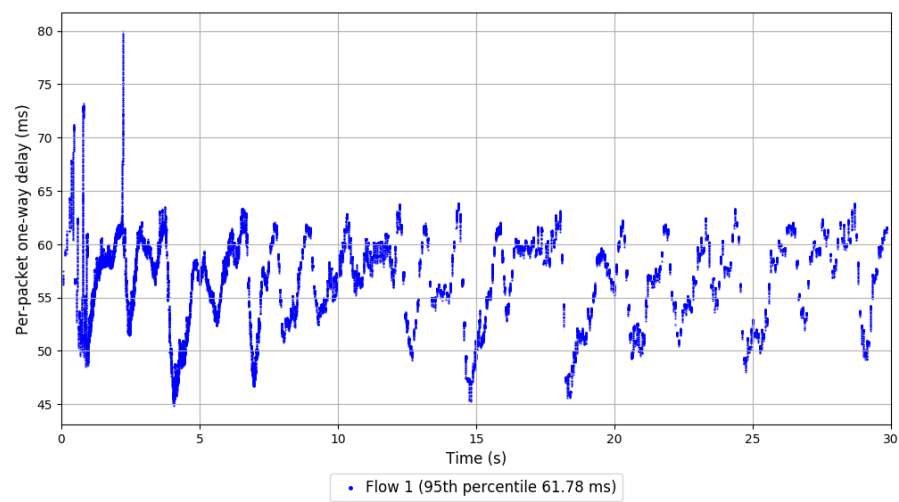
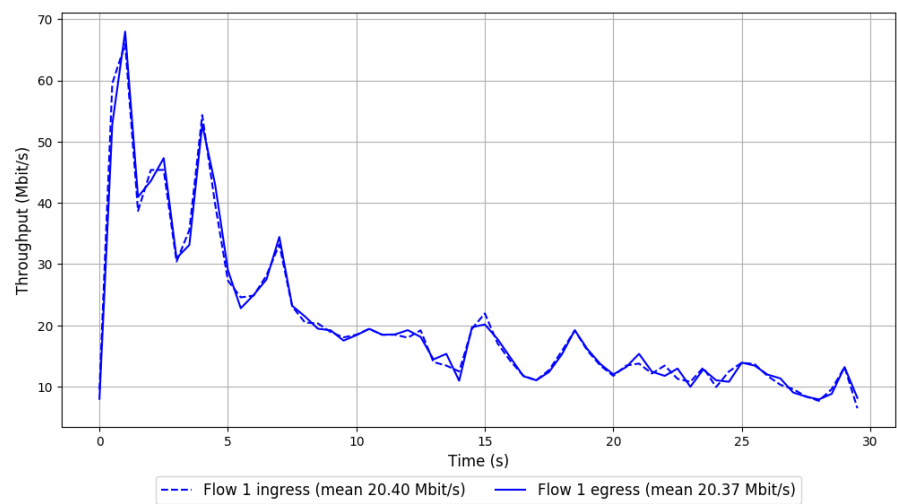
Average throughput: 20.37 Mbit/s

95th percentile per-packet one-way delay: 61.781 ms

Loss rate: 0.11%



Run 3: Report of Indigo-1-32 — Data Link

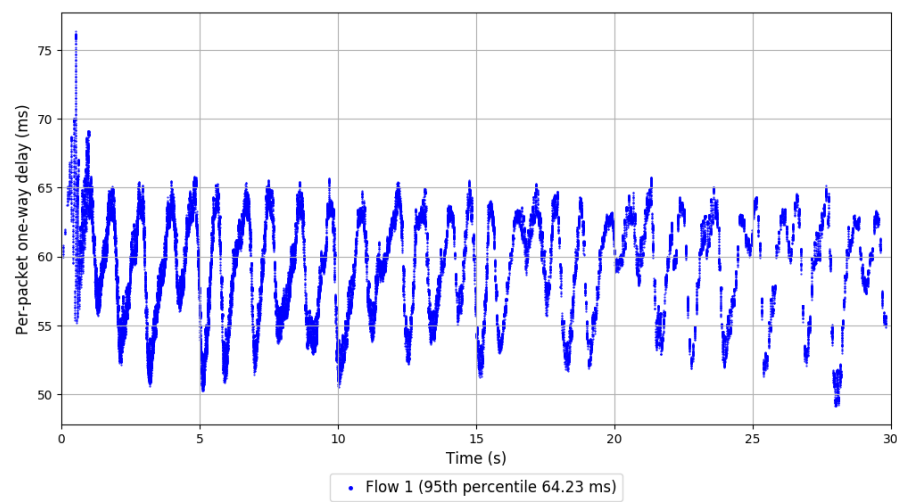
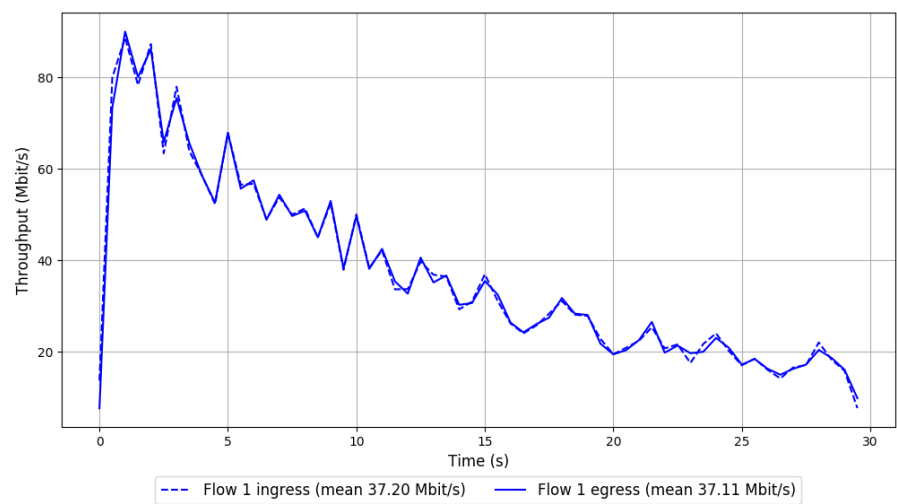


Run 4: Statistics of Indigo-1-32

Start at: 2018-04-10 13:49:01  
End at: 2018-04-10 13:49:31  
Local clock offset: 0.522 ms  
Remote clock offset: 13.189 ms

# Below is generated by plot.py at 2018-04-10 16:58:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 37.11 Mbit/s  
95th percentile per-packet one-way delay: 64.230 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 37.11 Mbit/s  
95th percentile per-packet one-way delay: 64.230 ms  
Loss rate: 0.27%

Run 4: Report of Indigo-1-32 — Data Link

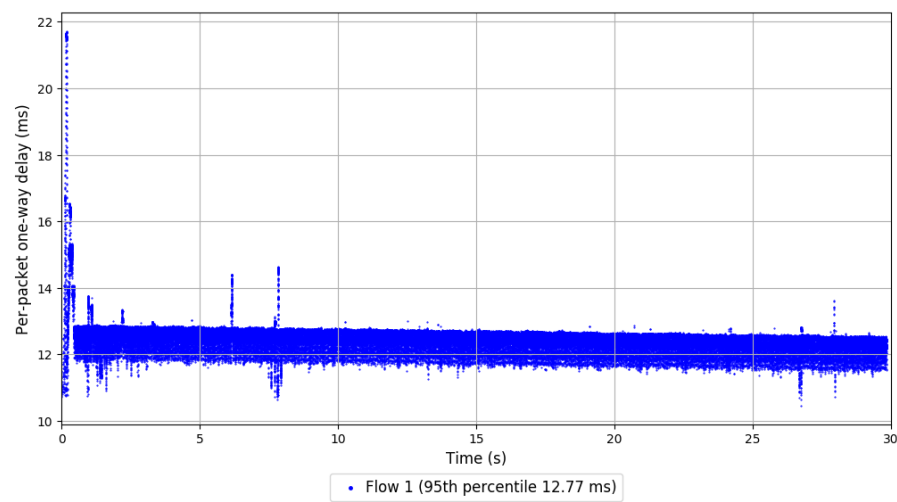
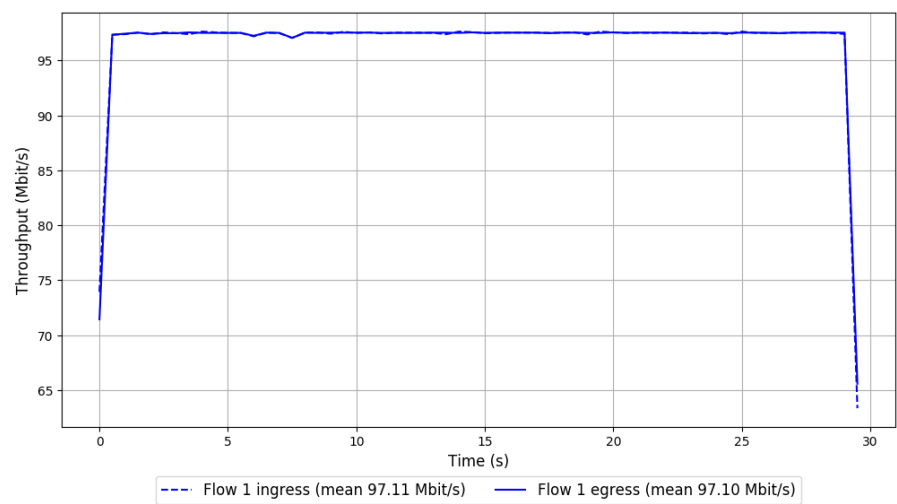


Run 5: Statistics of Indigo-1-32

Start at: 2018-04-10 14:10:36  
End at: 2018-04-10 14:11:06  
Local clock offset: 1.709 ms  
Remote clock offset: 26.115 ms

# Below is generated by plot.py at 2018-04-10 16:59:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.10 Mbit/s  
95th percentile per-packet one-way delay: 12.767 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 97.10 Mbit/s  
95th percentile per-packet one-way delay: 12.767 ms  
Loss rate: 0.00%

Run 5: Report of Indigo-1-32 — Data Link

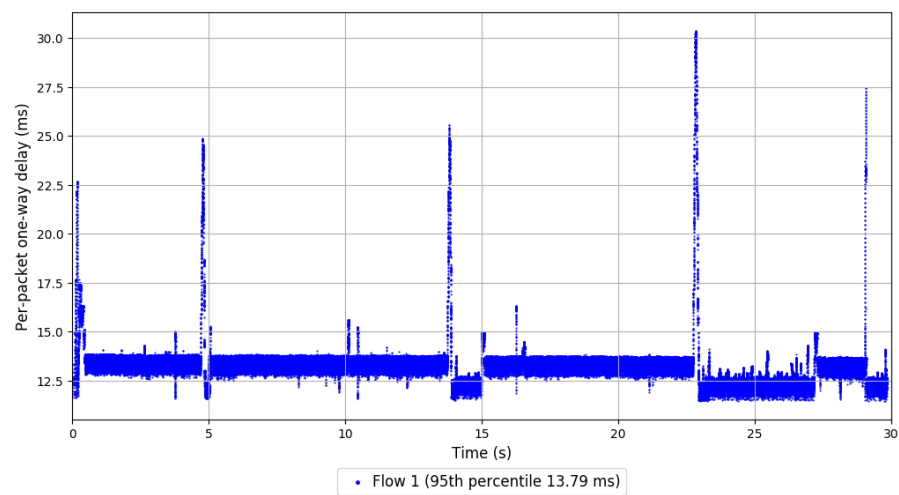
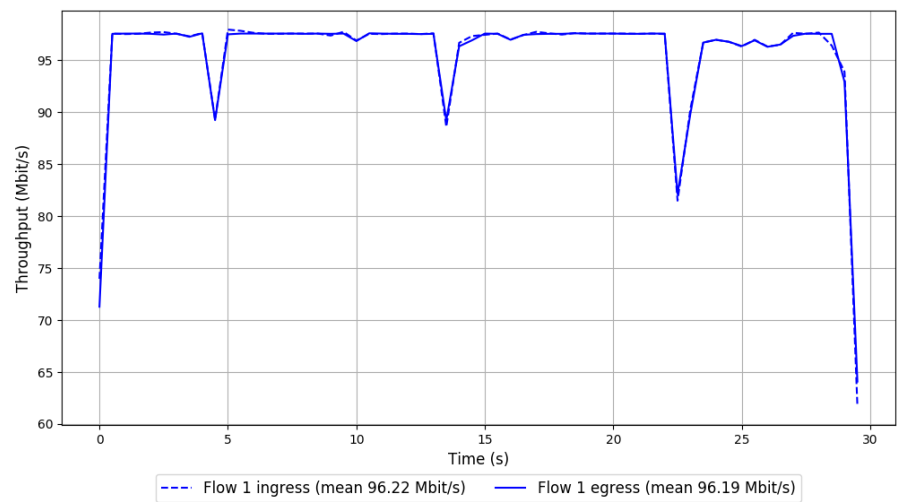


Run 6: Statistics of Indigo-1-32

Start at: 2018-04-10 14:31:32  
End at: 2018-04-10 14:32:02  
Local clock offset: -1.335 ms  
Remote clock offset: 31.135 ms

# Below is generated by plot.py at 2018-04-10 16:59:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.19 Mbit/s  
95th percentile per-packet one-way delay: 13.787 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 96.19 Mbit/s  
95th percentile per-packet one-way delay: 13.787 ms  
Loss rate: 0.03%

Run 6: Report of Indigo-1-32 — Data Link



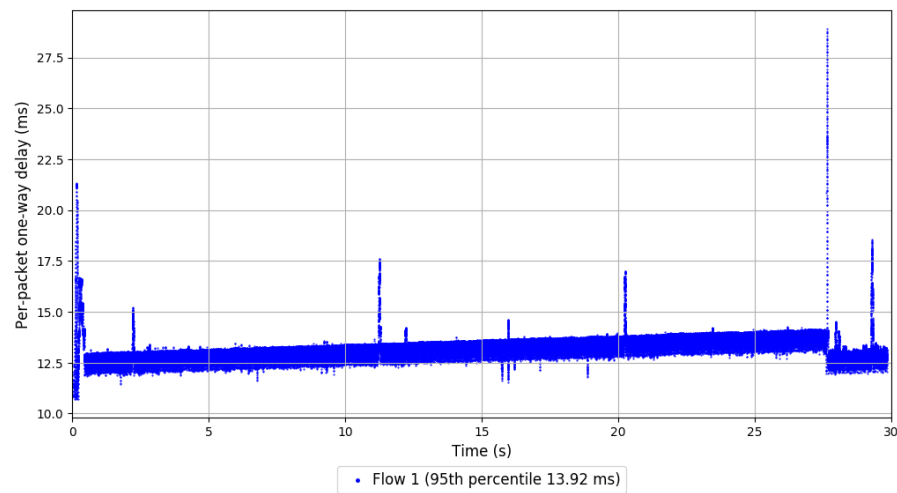
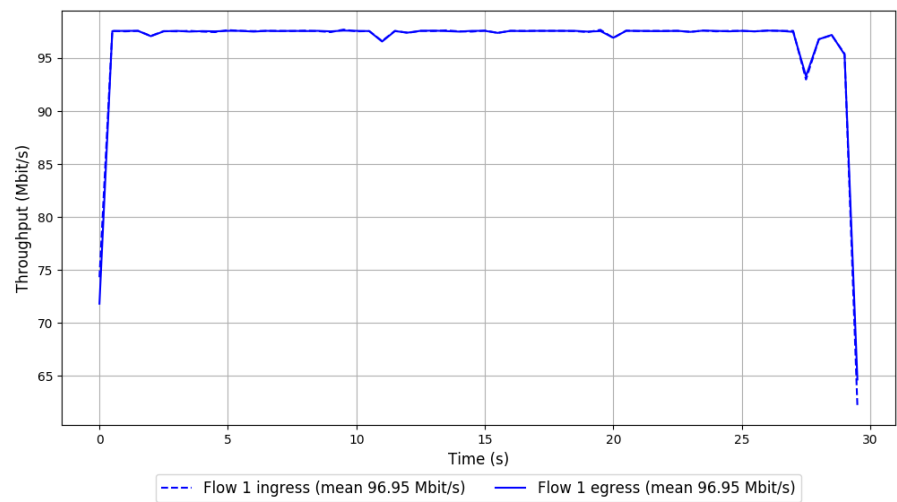
Run 7: Statistics of Indigo-1-32

Start at: 2018-04-10 14:53:30  
End at: 2018-04-10 14:54:00  
Local clock offset: -0.601 ms  
Remote clock offset: 17.758 ms

# Below is generated by plot.py at 2018-04-10 16:59:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.95 Mbit/s  
95th percentile per-packet one-way delay: 13.920 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.95 Mbit/s  
95th percentile per-packet one-way delay: 13.920 ms  
Loss rate: 0.00%



Run 7: Report of Indigo-1-32 — Data Link

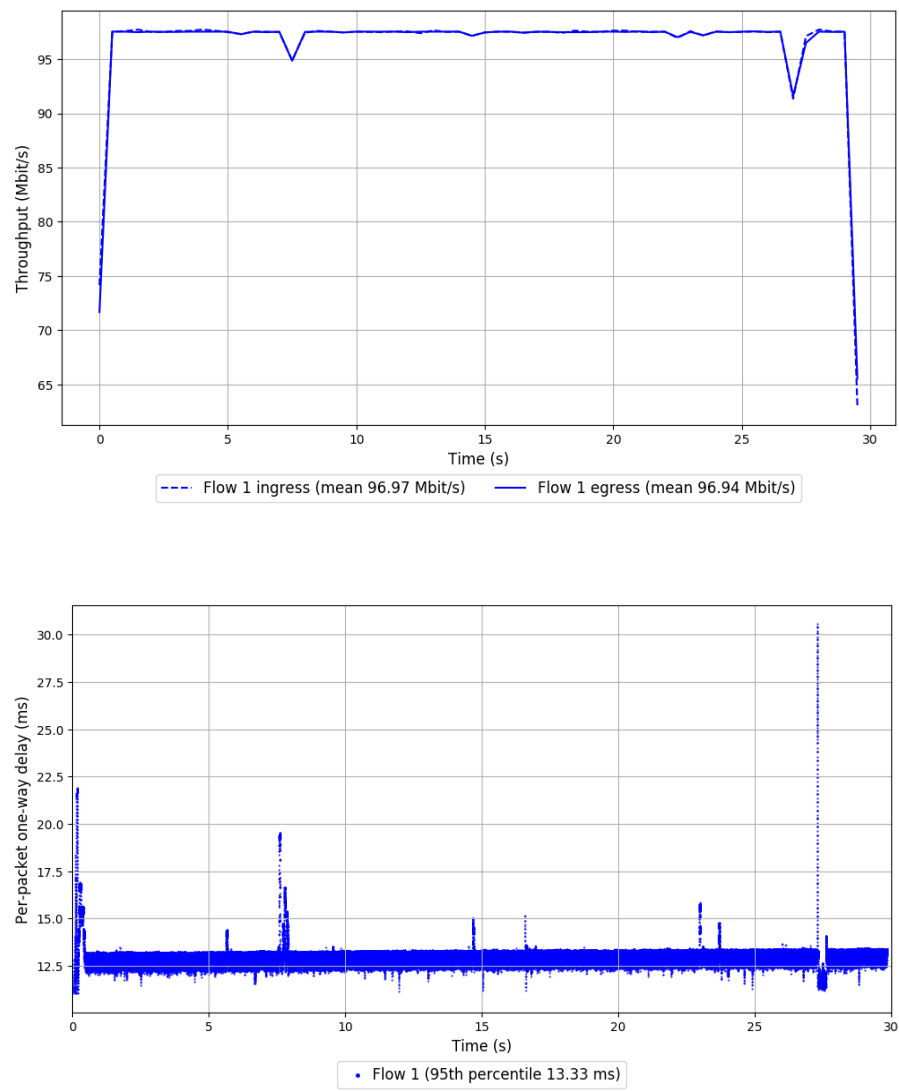


Run 8: Statistics of Indigo-1-32

Start at: 2018-04-10 15:15:22  
End at: 2018-04-10 15:15:52  
Local clock offset: -0.431 ms  
Remote clock offset: -5.844 ms

# Below is generated by plot.py at 2018-04-10 16:59:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.94 Mbit/s  
95th percentile per-packet one-way delay: 13.327 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 96.94 Mbit/s  
95th percentile per-packet one-way delay: 13.327 ms  
Loss rate: 0.03%

Run 8: Report of Indigo-1-32 — Data Link

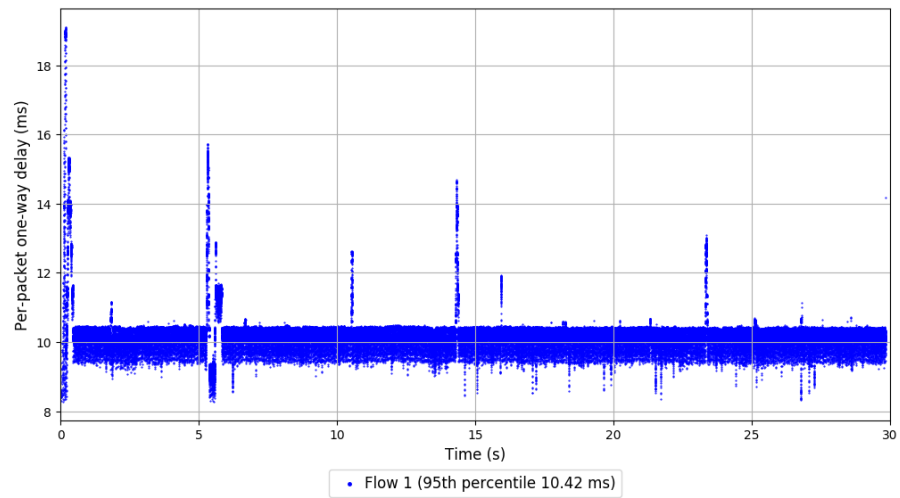
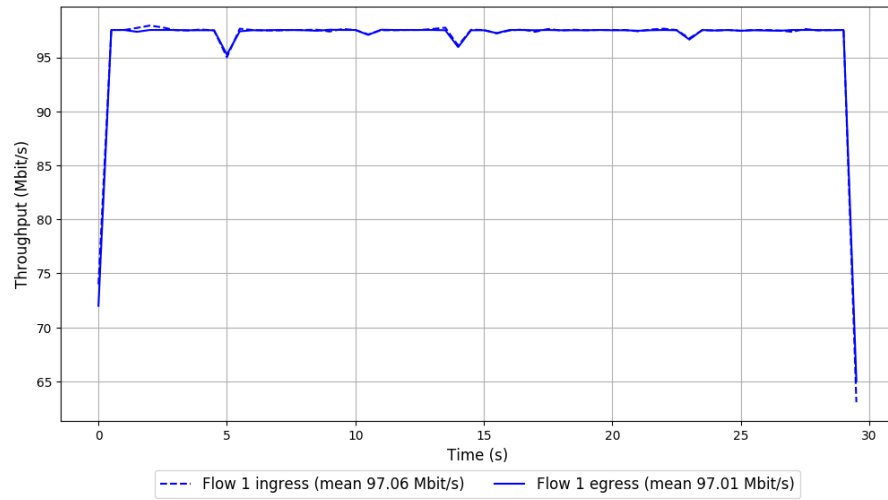


Run 9: Statistics of Indigo-1-32

Start at: 2018-04-10 15:37:00  
End at: 2018-04-10 15:37:30  
Local clock offset: -1.859 ms  
Remote clock offset: -8.606 ms

# Below is generated by plot.py at 2018-04-10 16:59:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.01 Mbit/s  
95th percentile per-packet one-way delay: 10.416 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 97.01 Mbit/s  
95th percentile per-packet one-way delay: 10.416 ms  
Loss rate: 0.03%

### Run 9: Report of Indigo-1-32 — Data Link



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-10 15:59:32

End at: 2018-04-10 16:00:02

Local clock offset: 1.509 ms

Remote clock offset: -2.15 ms

# Below is generated by plot.py at 2018-04-10 16:59:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.93 Mbit/s

95th percentile per-packet one-way delay: 13.512 ms

Loss rate: 0.01%

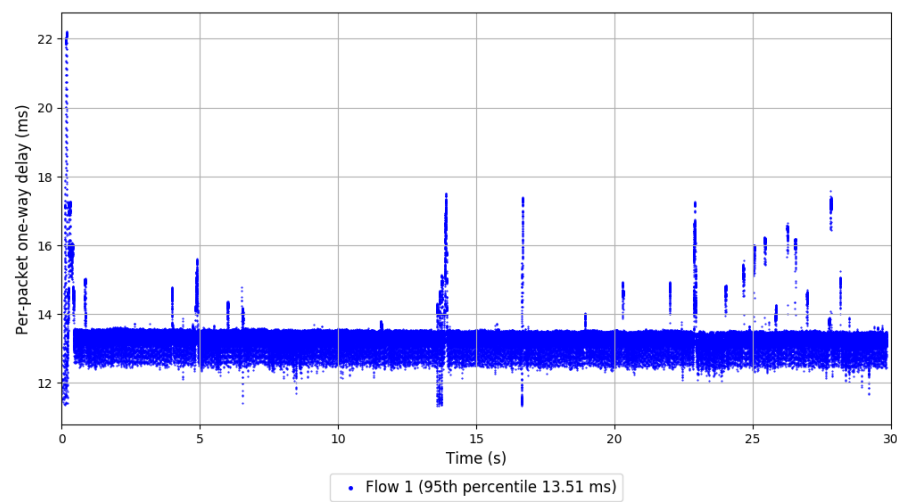
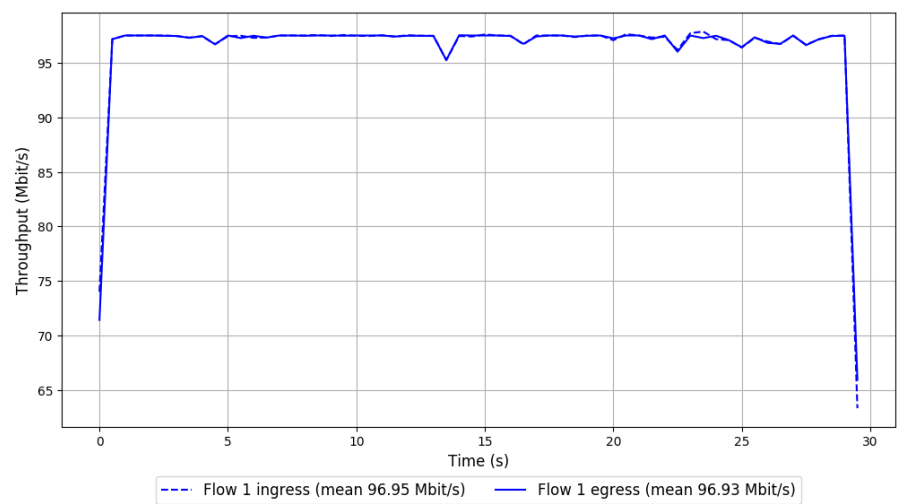
-- Flow 1:

Average throughput: 96.93 Mbit/s

95th percentile per-packet one-way delay: 13.512 ms

Loss rate: 0.01%

Run 10: Report of Indigo-1-32 — Data Link



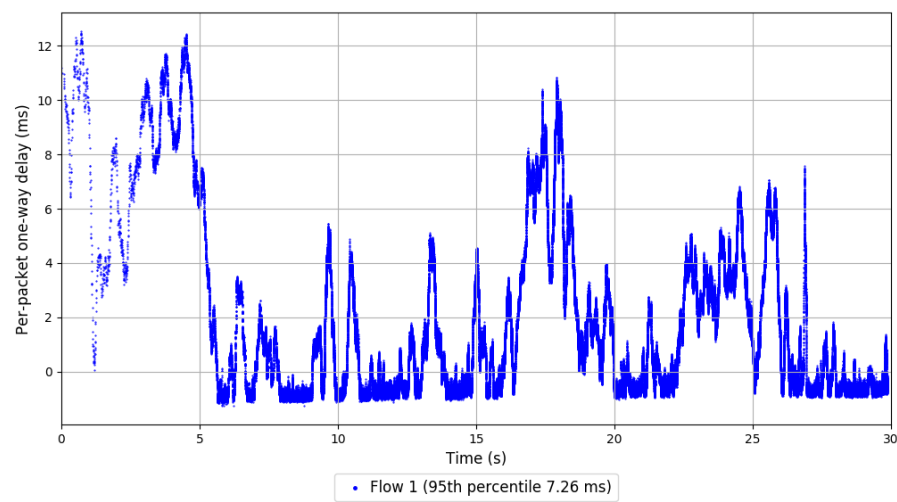
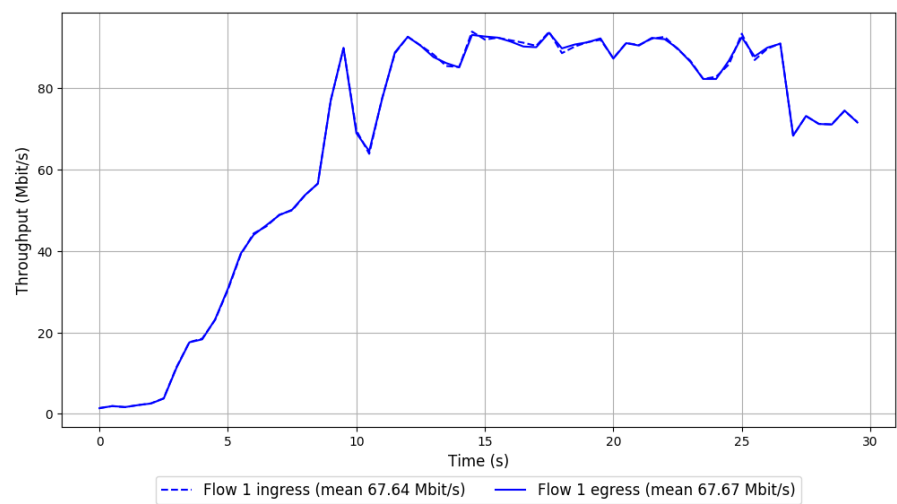
Run 1: Statistics of Vivace-latency

Start at: 2018-04-10 12:52:31  
End at: 2018-04-10 12:53:01  
Local clock offset: 0.361 ms  
Remote clock offset: -15.944 ms

# Below is generated by plot.py at 2018-04-10 16:59:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 67.67 Mbit/s  
95th percentile per-packet one-way delay: 7.263 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 67.67 Mbit/s  
95th percentile per-packet one-way delay: 7.263 ms  
Loss rate: 0.00%



Run 1: Report of Vivace-latency — Data Link

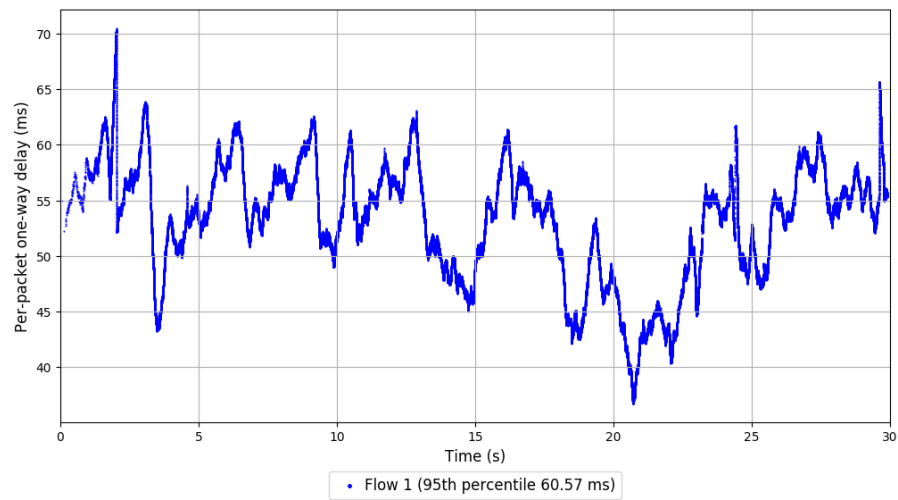
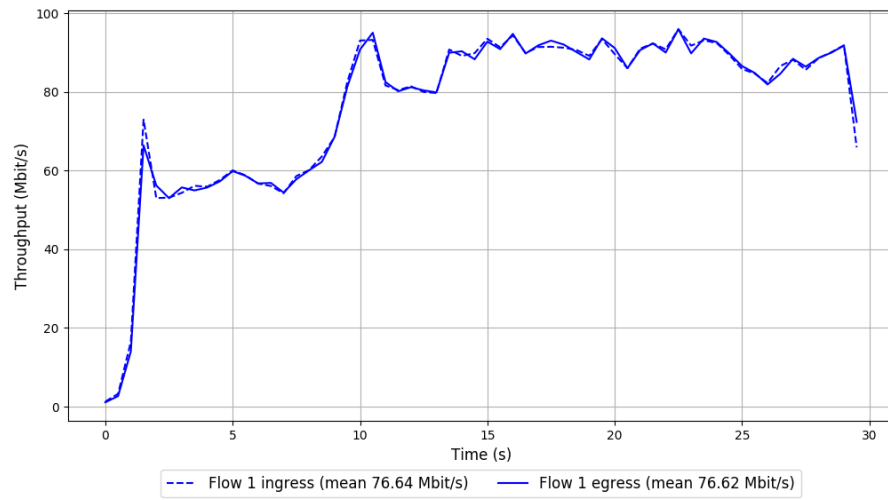


Run 2: Statistics of Vivace-latency

Start at: 2018-04-10 13:13:45  
End at: 2018-04-10 13:14:15  
Local clock offset: 0.699 ms  
Remote clock offset: -3.216 ms

# Below is generated by plot.py at 2018-04-10 16:59:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.62 Mbit/s  
95th percentile per-packet one-way delay: 60.566 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 76.62 Mbit/s  
95th percentile per-packet one-way delay: 60.566 ms  
Loss rate: 0.10%

## Run 2: Report of Vivace-latency — Data Link

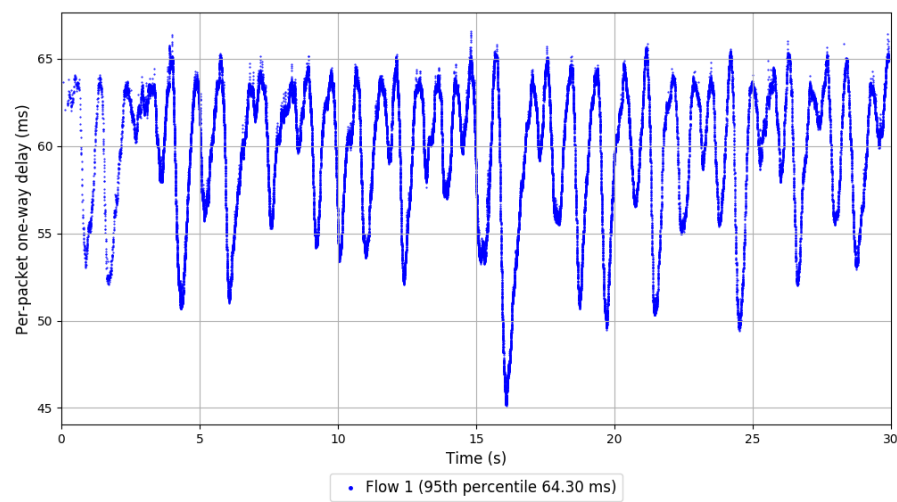
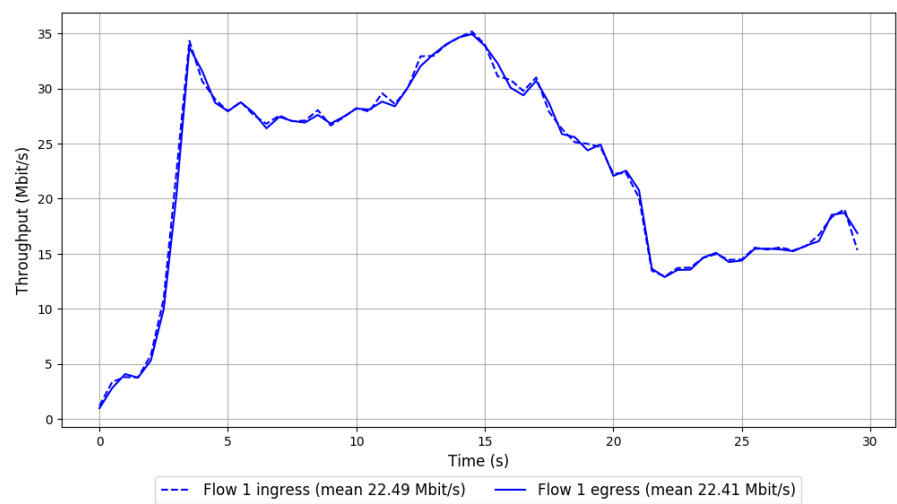


Run 3: Statistics of Vivace-latency

Start at: 2018-04-10 13:36:04  
End at: 2018-04-10 13:36:34  
Local clock offset: -0.105 ms  
Remote clock offset: -1.036 ms

# Below is generated by plot.py at 2018-04-10 16:59:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 22.41 Mbit/s  
95th percentile per-packet one-way delay: 64.300 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 22.41 Mbit/s  
95th percentile per-packet one-way delay: 64.300 ms  
Loss rate: 0.40%

Run 3: Report of Vivace-latency — Data Link

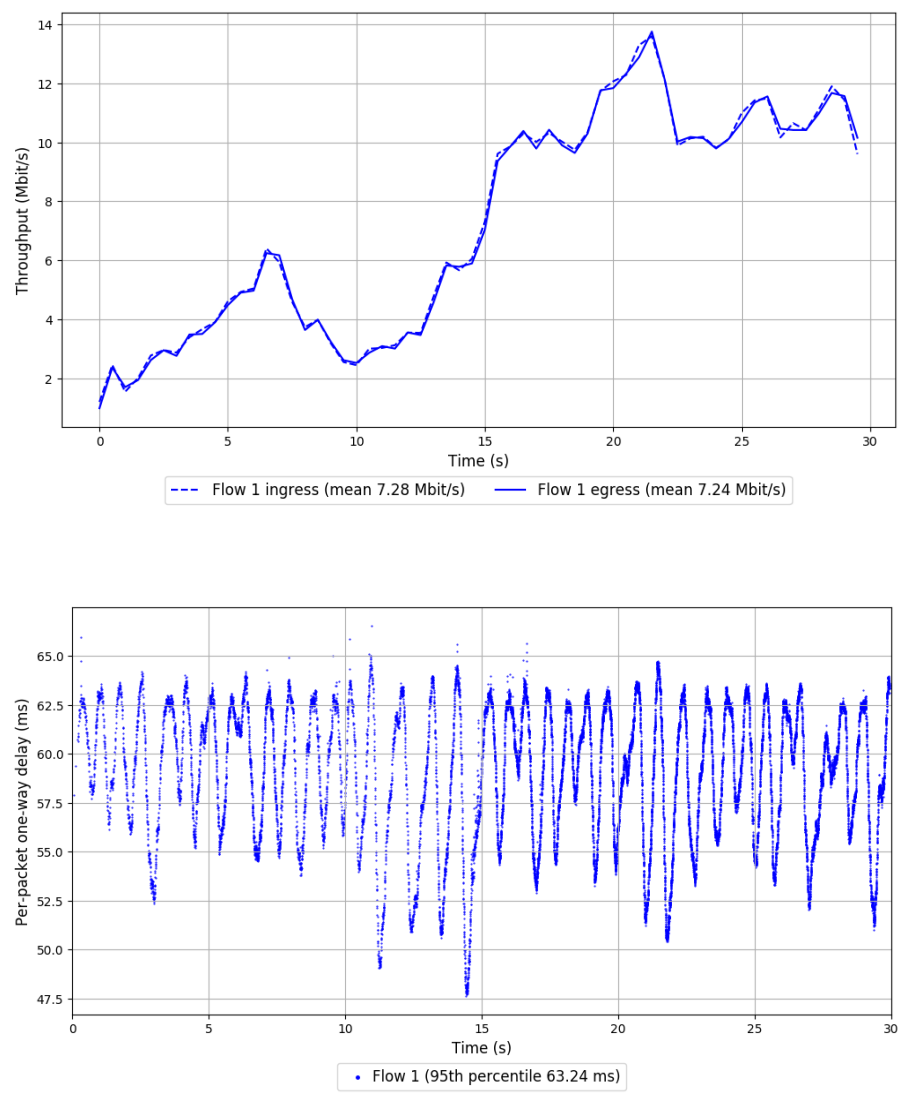


Run 4: Statistics of Vivace-latency

Start at: 2018-04-10 13:57:43  
End at: 2018-04-10 13:58:13  
Local clock offset: 1.171 ms  
Remote clock offset: 20.174 ms

# Below is generated by plot.py at 2018-04-10 16:59:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.24 Mbit/s  
95th percentile per-packet one-way delay: 63.243 ms  
Loss rate: 0.50%  
-- Flow 1:  
Average throughput: 7.24 Mbit/s  
95th percentile per-packet one-way delay: 63.243 ms  
Loss rate: 0.50%

Run 4: Report of Vivace-latency — Data Link



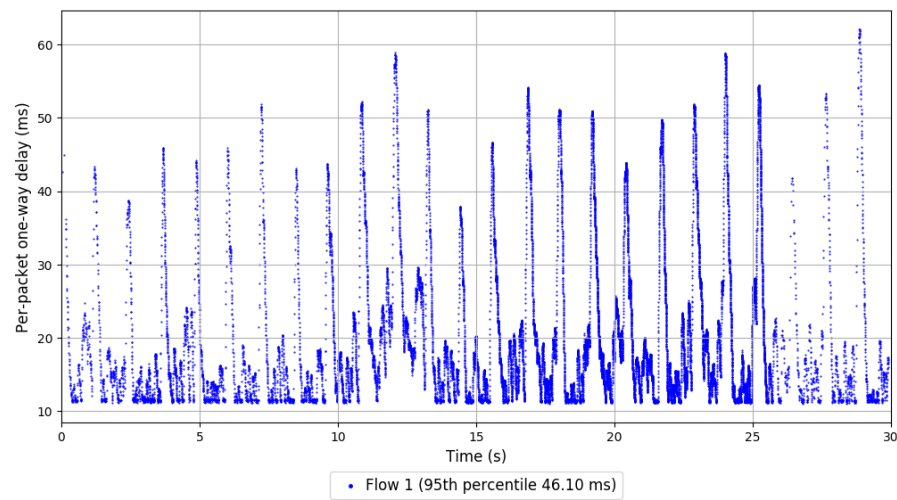
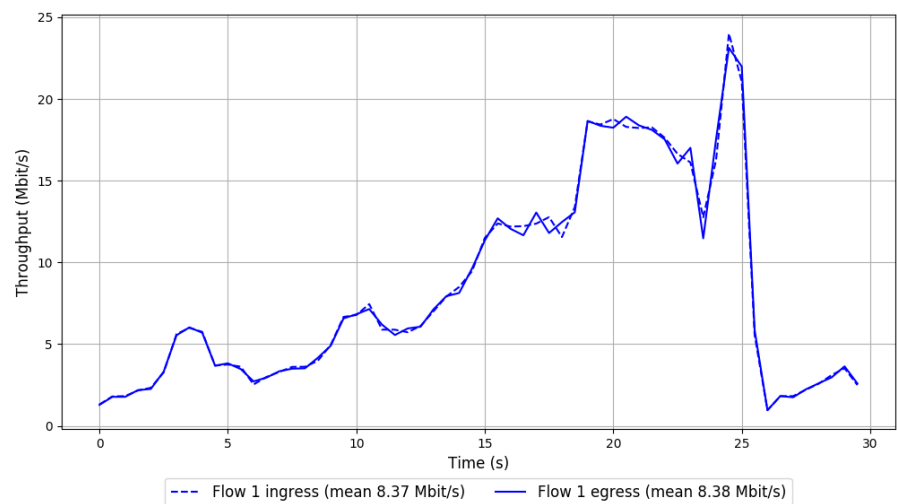
Run 5: Statistics of Vivace-latency

Start at: 2018-04-10 14:18:39  
End at: 2018-04-10 14:19:09  
Local clock offset: -0.015 ms  
Remote clock offset: 28.296 ms

# Below is generated by plot.py at 2018-04-10 16:59:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.38 Mbit/s  
95th percentile per-packet one-way delay: 46.100 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 8.38 Mbit/s  
95th percentile per-packet one-way delay: 46.100 ms  
Loss rate: 0.00%



Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-04-10 14:39:50

End at: 2018-04-10 14:40:20

Local clock offset: -1.788 ms

Remote clock offset: 33.45 ms

# Below is generated by plot.py at 2018-04-10 17:00:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.81 Mbit/s

95th percentile per-packet one-way delay: 13.225 ms

Loss rate: 0.01%

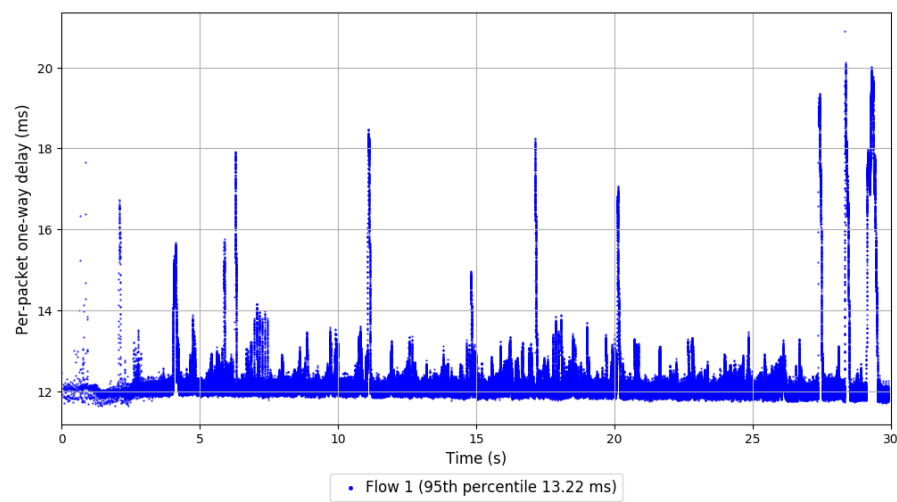
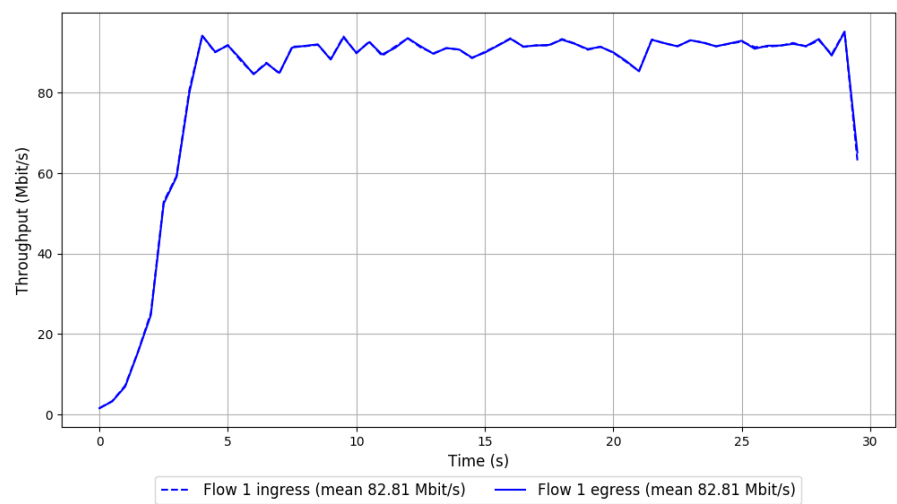
-- Flow 1:

Average throughput: 82.81 Mbit/s

95th percentile per-packet one-way delay: 13.225 ms

Loss rate: 0.01%

Run 6: Report of Vivace-latency — Data Link

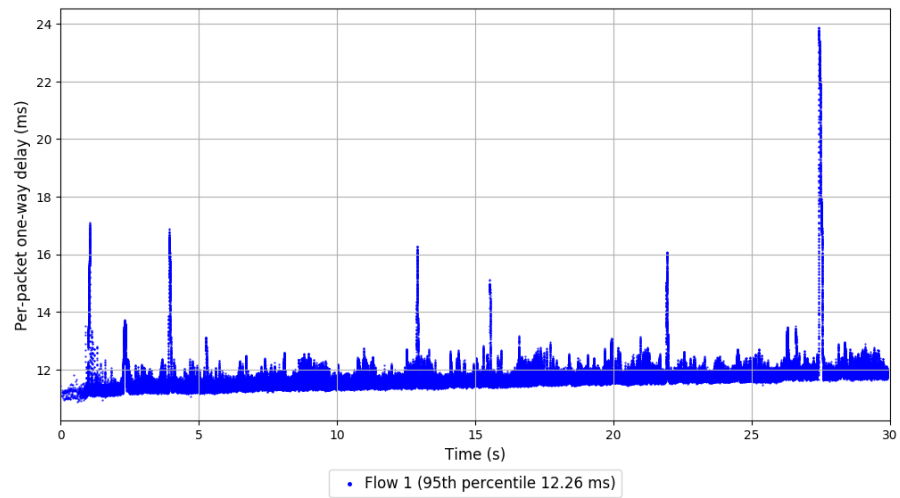
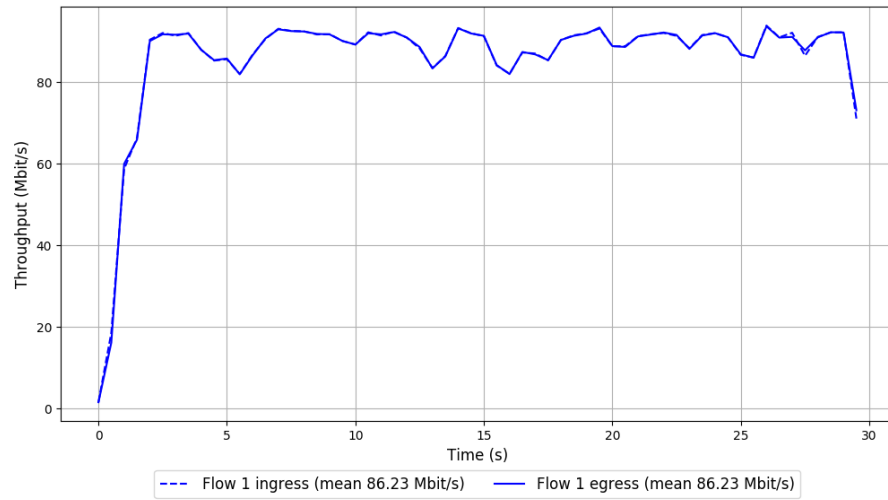


Run 7: Statistics of Vivace-latency

Start at: 2018-04-10 15:01:53  
End at: 2018-04-10 15:02:23  
Local clock offset: 0.225 ms  
Remote clock offset: 3.488 ms

# Below is generated by plot.py at 2018-04-10 17:00:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.23 Mbit/s  
95th percentile per-packet one-way delay: 12.256 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 86.23 Mbit/s  
95th percentile per-packet one-way delay: 12.256 ms  
Loss rate: 0.00%

### Run 7: Report of Vivace-latency — Data Link

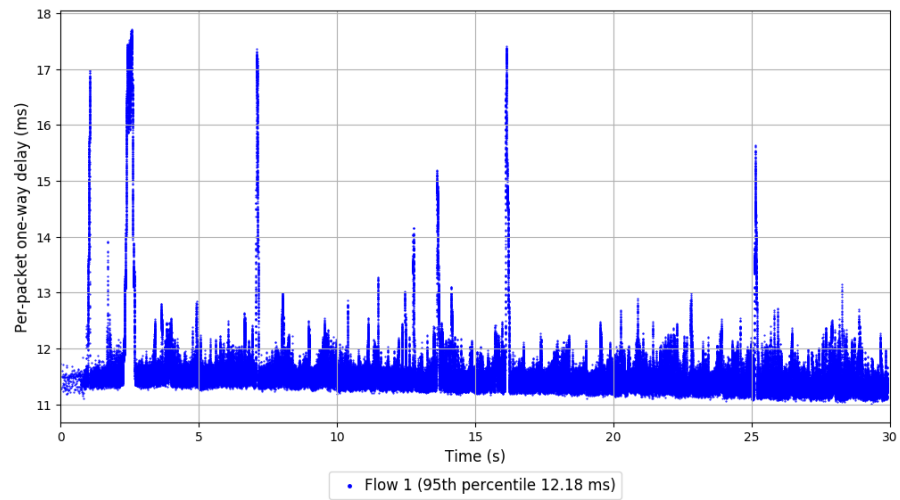
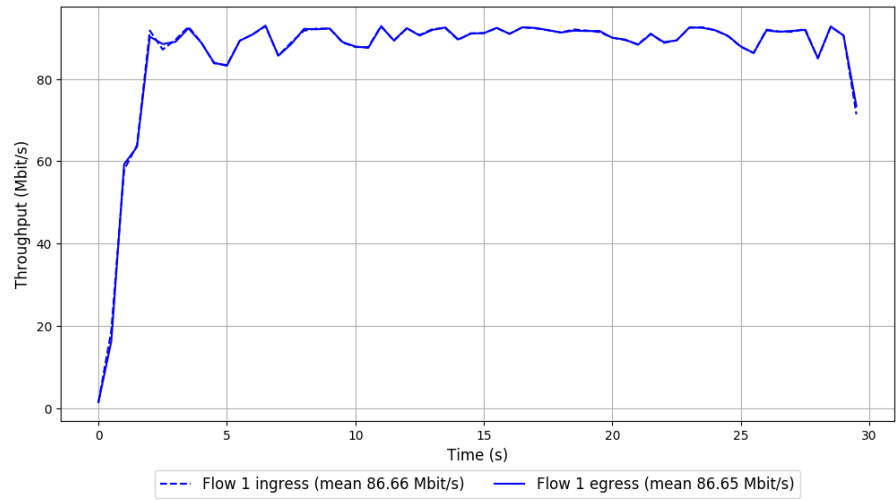


Run 8: Statistics of Vivace-latency

Start at: 2018-04-10 15:23:46  
End at: 2018-04-10 15:24:16  
Local clock offset: 0.346 ms  
Remote clock offset: -7.043 ms

# Below is generated by plot.py at 2018-04-10 17:00:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.65 Mbit/s  
95th percentile per-packet one-way delay: 12.180 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 86.65 Mbit/s  
95th percentile per-packet one-way delay: 12.180 ms  
Loss rate: 0.01%

### Run 8: Report of Vivace-latency — Data Link



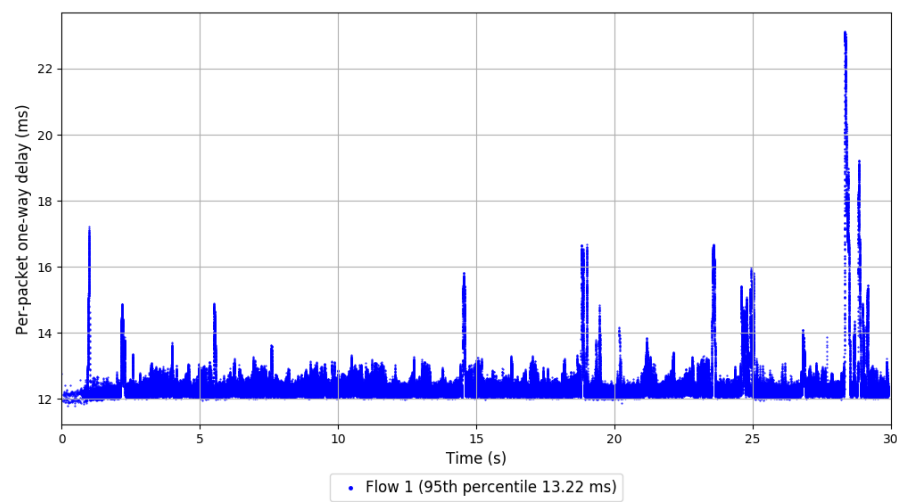
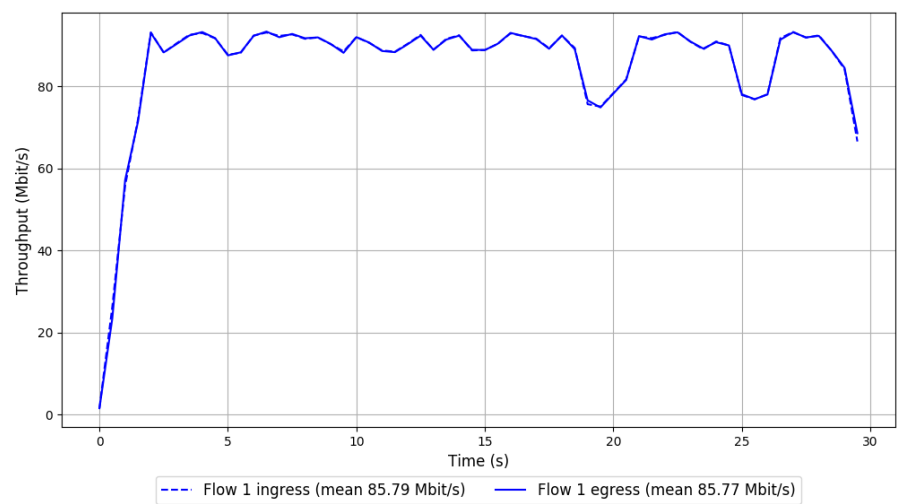
Run 9: Statistics of Vivace-latency

Start at: 2018-04-10 15:45:25  
End at: 2018-04-10 15:45:55  
Local clock offset: 0.348 ms  
Remote clock offset: -2.663 ms

# Below is generated by plot.py at 2018-04-10 17:00:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.77 Mbit/s  
95th percentile per-packet one-way delay: 13.220 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 85.77 Mbit/s  
95th percentile per-packet one-way delay: 13.220 ms  
Loss rate: 0.02%



Run 9: Report of Vivace-latency — Data Link

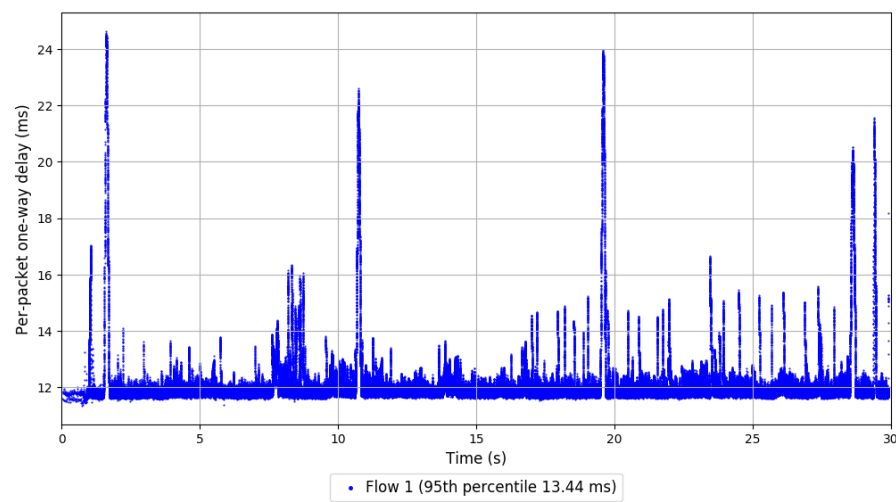
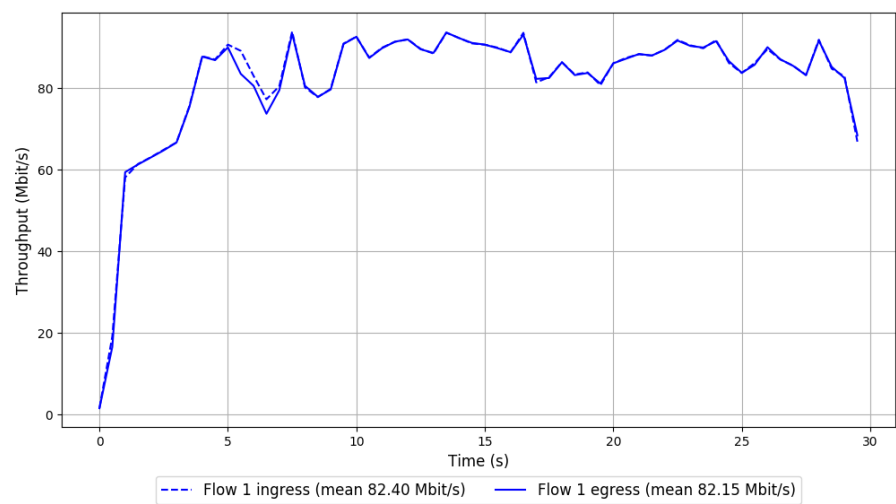


Run 10: Statistics of Vivace-latency

Start at: 2018-04-10 16:08:01  
End at: 2018-04-10 16:08:31  
Local clock offset: 0.786 ms  
Remote clock offset: -2.167 ms

# Below is generated by plot.py at 2018-04-10 17:00:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.15 Mbit/s  
95th percentile per-packet one-way delay: 13.444 ms  
Loss rate: 0.29%  
-- Flow 1:  
Average throughput: 82.15 Mbit/s  
95th percentile per-packet one-way delay: 13.444 ms  
Loss rate: 0.29%

Run 10: Report of Vivace-latency — Data Link

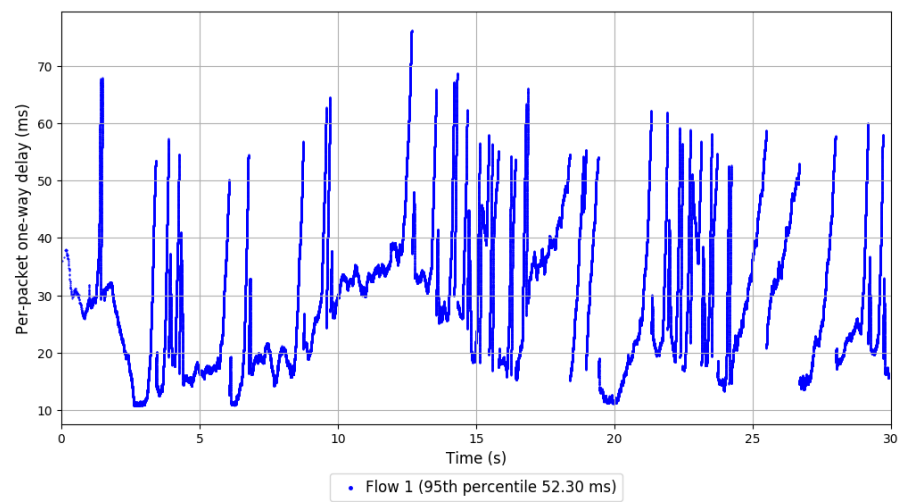
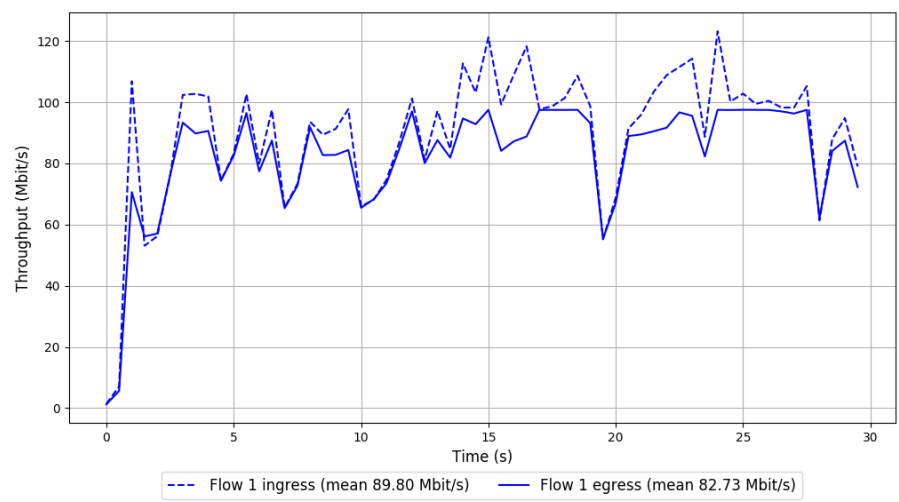


```
Run 1: Statistics of Vivace-loss

Start at: 2018-04-10 12:39:19
End at: 2018-04-10 12:39:49
Local clock offset: 0.712 ms
Remote clock offset: 7.258 ms

# Below is generated by plot.py at 2018-04-10 17:01:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.73 Mbit/s
95th percentile per-packet one-way delay: 52.300 ms
Loss rate: 7.94%
-- Flow 1:
Average throughput: 82.73 Mbit/s
95th percentile per-packet one-way delay: 52.300 ms
Loss rate: 7.94%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-04-10 13:00:56

End at: 2018-04-10 13:01:26

Local clock offset: 0.656 ms

Remote clock offset: -17.195 ms

# Below is generated by plot.py at 2018-04-10 17:01:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.31 Mbit/s

95th percentile per-packet one-way delay: 57.258 ms

Loss rate: 6.48%

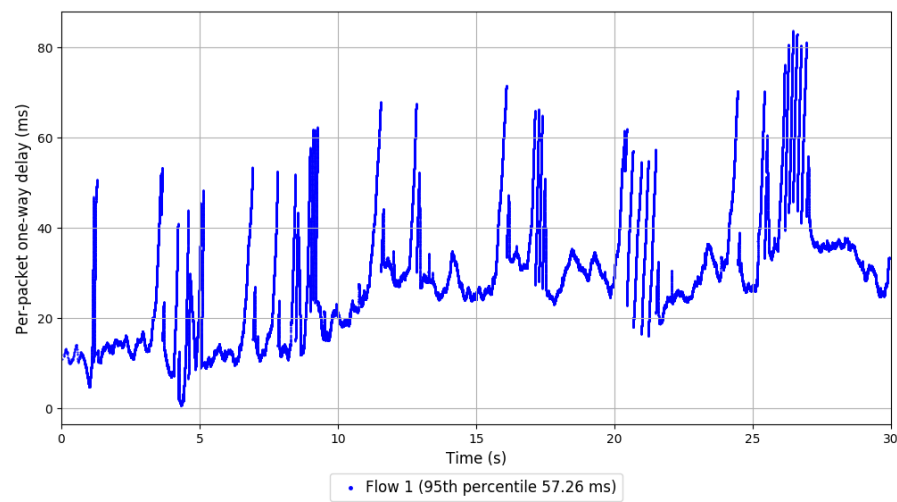
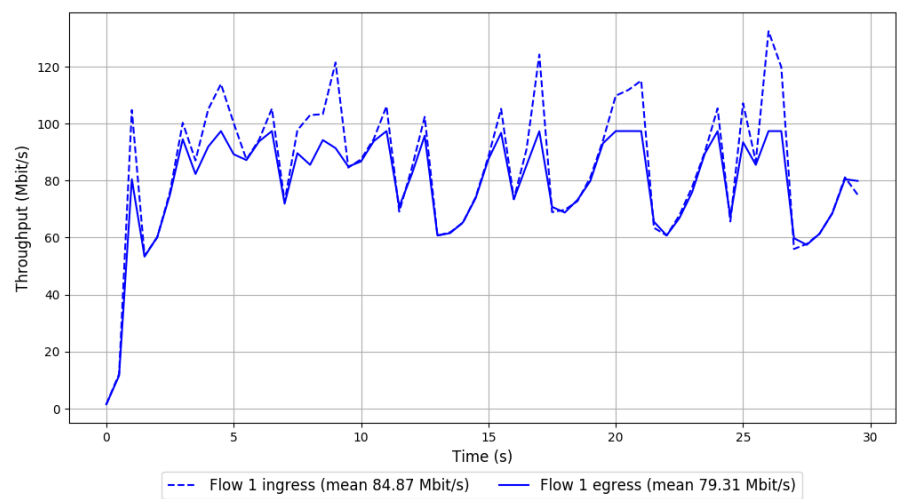
-- Flow 1:

Average throughput: 79.31 Mbit/s

95th percentile per-packet one-way delay: 57.258 ms

Loss rate: 6.48%

Run 2: Report of Vivace-loss — Data Link



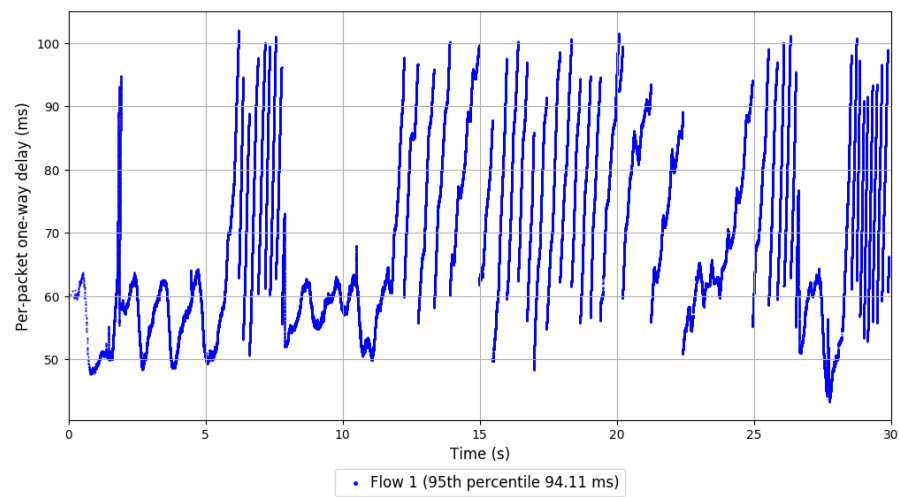
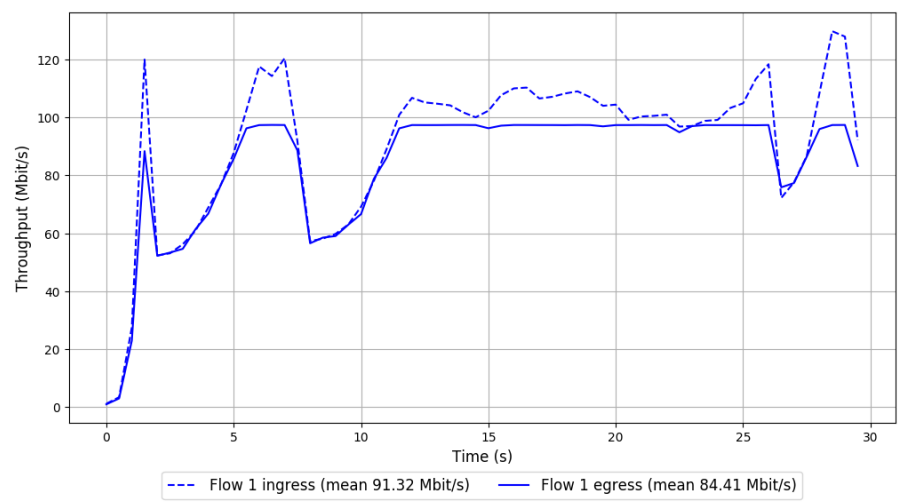
Run 3: Statistics of Vivace-loss

Start at: 2018-04-10 13:22:39  
End at: 2018-04-10 13:23:09  
Local clock offset: -0.534 ms  
Remote clock offset: -2.959 ms

# Below is generated by plot.py at 2018-04-10 17:01:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.41 Mbit/s  
95th percentile per-packet one-way delay: 94.113 ms  
Loss rate: 7.63%  
-- Flow 1:  
Average throughput: 84.41 Mbit/s  
95th percentile per-packet one-way delay: 94.113 ms  
Loss rate: 7.63%



Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-04-10 13:44:21

End at: 2018-04-10 13:44:51

Local clock offset: 0.764 ms

Remote clock offset: 5.11 ms

# Below is generated by plot.py at 2018-04-10 17:02:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.62 Mbit/s

95th percentile per-packet one-way delay: 92.048 ms

Loss rate: 4.80%

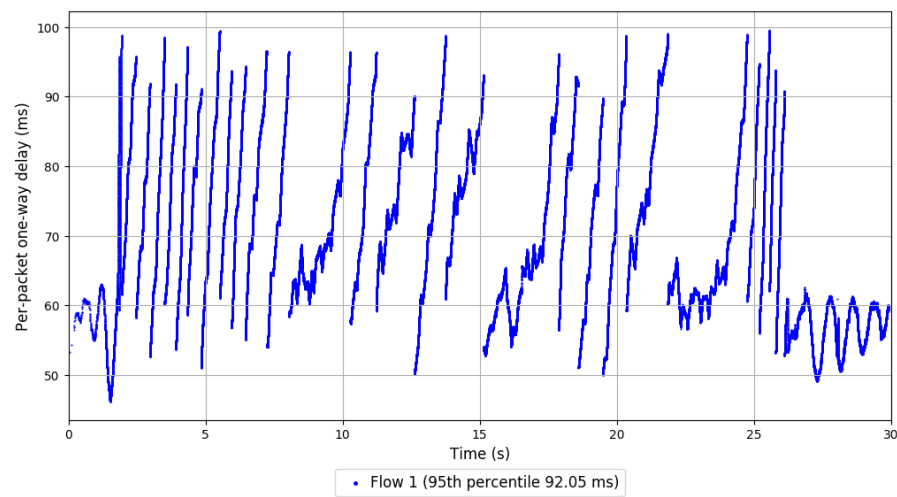
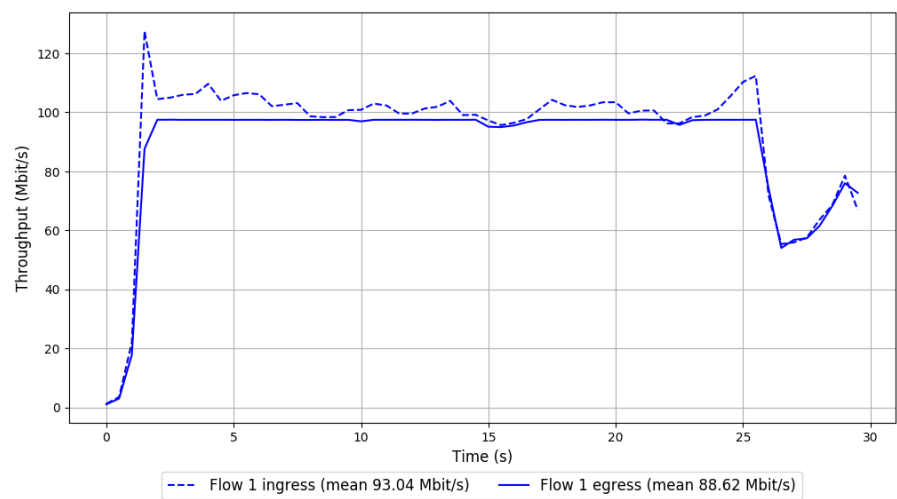
-- Flow 1:

Average throughput: 88.62 Mbit/s

95th percentile per-packet one-way delay: 92.048 ms

Loss rate: 4.80%

Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-04-10 14:05:59

End at: 2018-04-10 14:06:29

Local clock offset: 1.236 ms

Remote clock offset: 23.874 ms

# Below is generated by plot.py at 2018-04-10 17:02:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.26 Mbit/s

95th percentile per-packet one-way delay: 44.854 ms

Loss rate: 10.39%

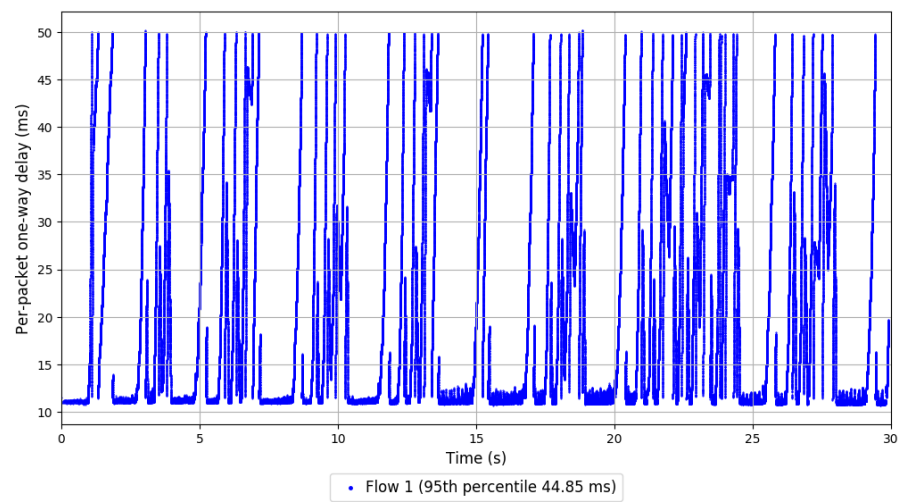
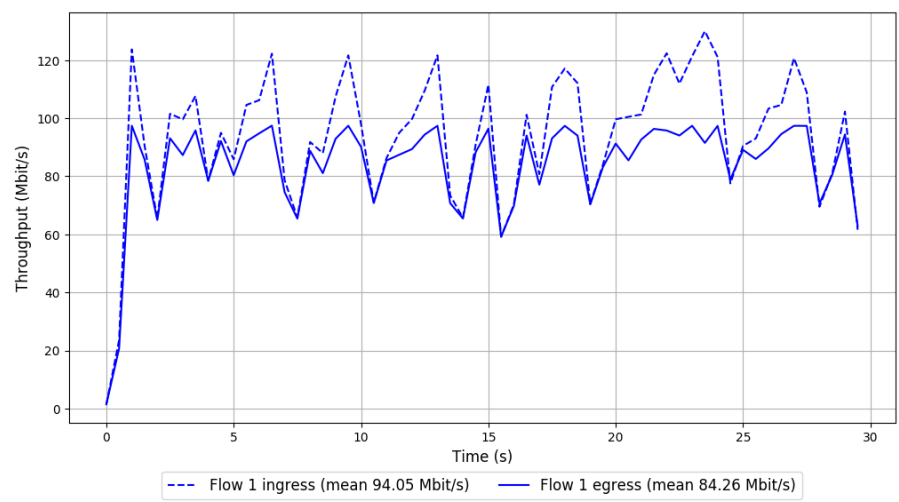
-- Flow 1:

Average throughput: 84.26 Mbit/s

95th percentile per-packet one-way delay: 44.854 ms

Loss rate: 10.39%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-04-10 14:26:45

End at: 2018-04-10 14:27:15

Local clock offset: -0.973 ms

Remote clock offset: 29.79 ms

# Below is generated by plot.py at 2018-04-10 17:02:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.60 Mbit/s

95th percentile per-packet one-way delay: 69.722 ms

Loss rate: 6.61%

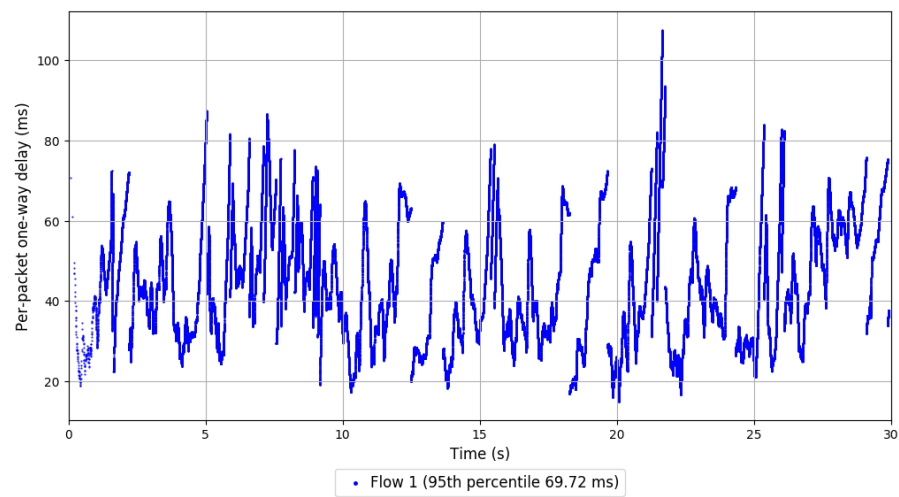
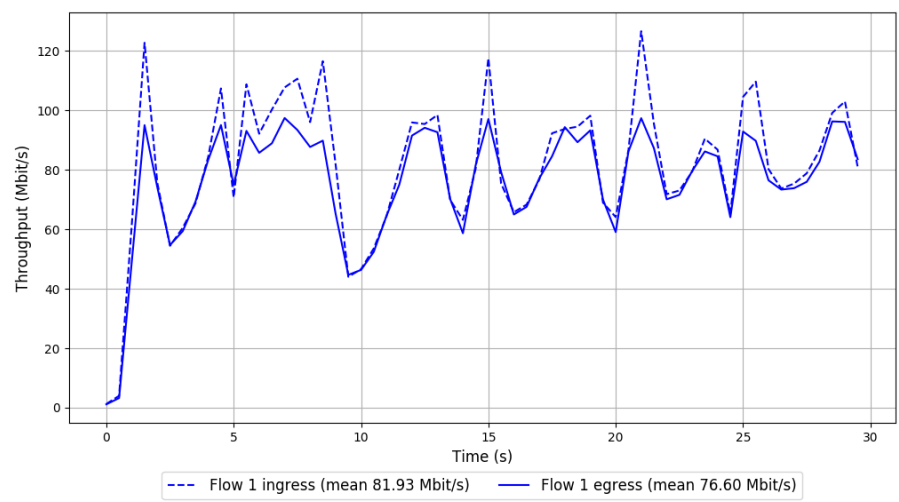
-- Flow 1:

Average throughput: 76.60 Mbit/s

95th percentile per-packet one-way delay: 69.722 ms

Loss rate: 6.61%

Run 6: Report of Vivace-loss — Data Link



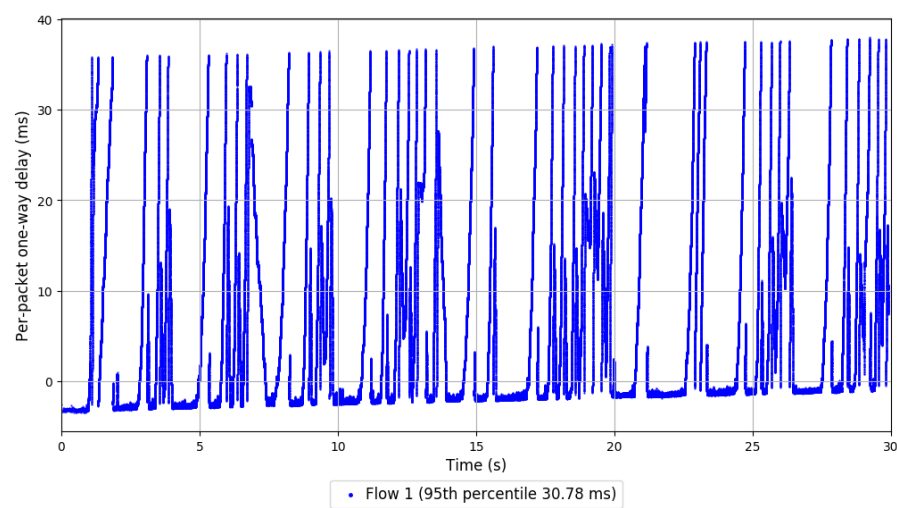
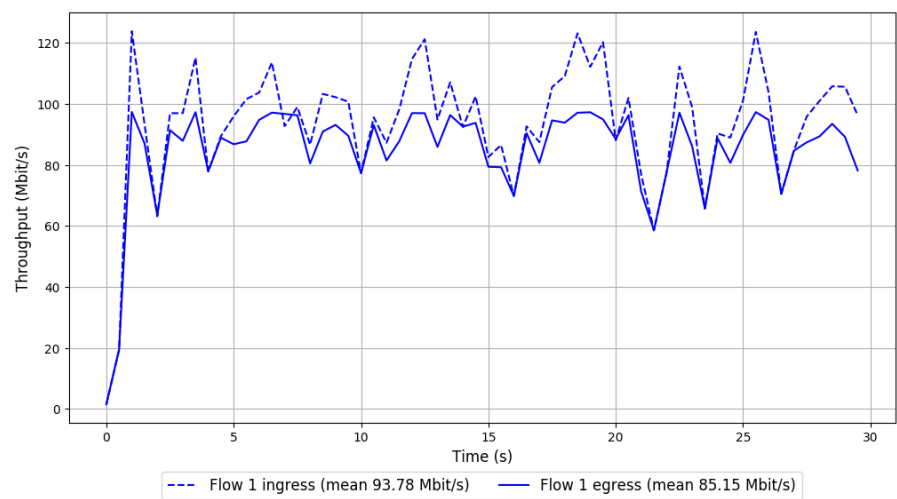
Run 7: Statistics of Vivace-loss

Start at: 2018-04-10 14:48:42  
End at: 2018-04-10 14:49:12  
Local clock offset: -1.279 ms  
Remote clock offset: 20.176 ms

# Below is generated by plot.py at 2018-04-10 17:02:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.15 Mbit/s  
95th percentile per-packet one-way delay: 30.784 ms  
Loss rate: 9.17%  
-- Flow 1:  
Average throughput: 85.15 Mbit/s  
95th percentile per-packet one-way delay: 30.784 ms  
Loss rate: 9.17%



Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-04-10 15:10:38

End at: 2018-04-10 15:11:08

Local clock offset: 0.269 ms

Remote clock offset: -2.4 ms

# Below is generated by plot.py at 2018-04-10 17:02:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.65 Mbit/s

95th percentile per-packet one-way delay: 44.159 ms

Loss rate: 7.75%

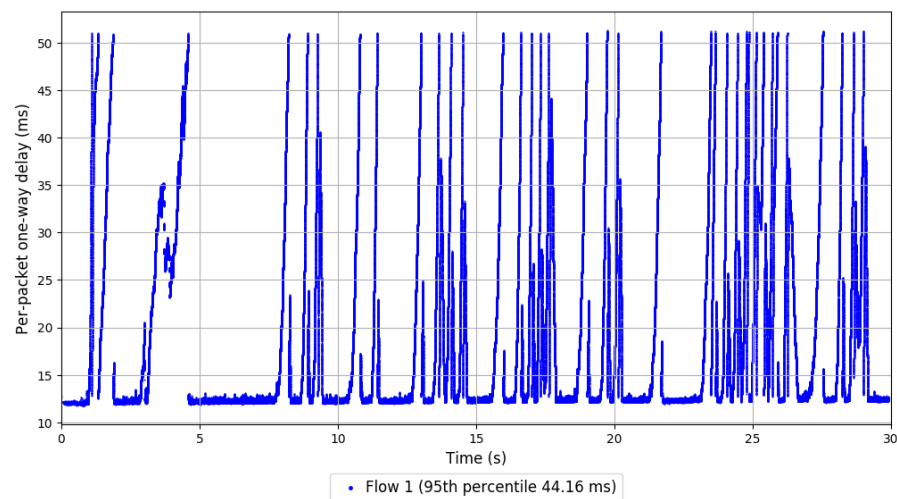
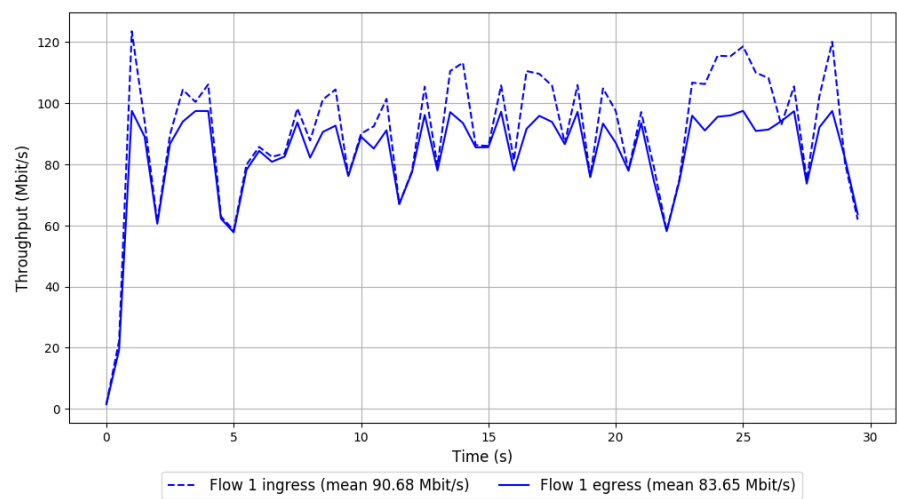
-- Flow 1:

Average throughput: 83.65 Mbit/s

95th percentile per-packet one-way delay: 44.159 ms

Loss rate: 7.75%

Run 8: Report of Vivace-loss — Data Link

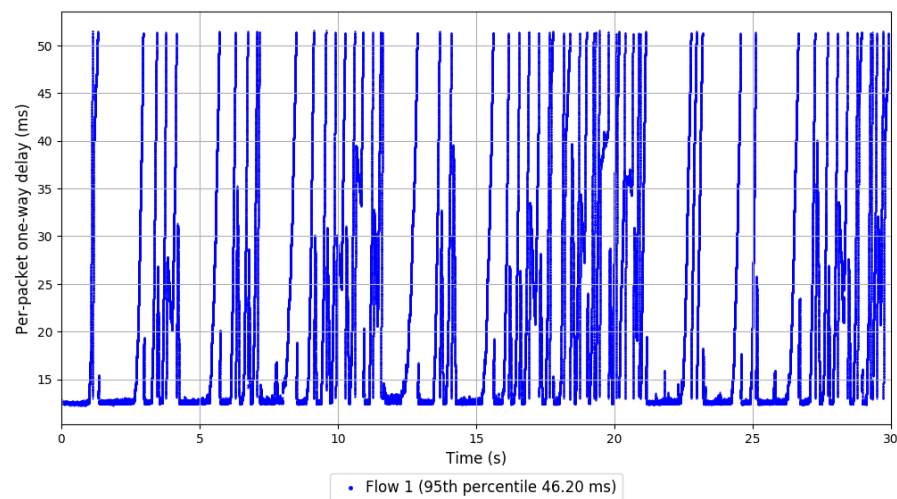
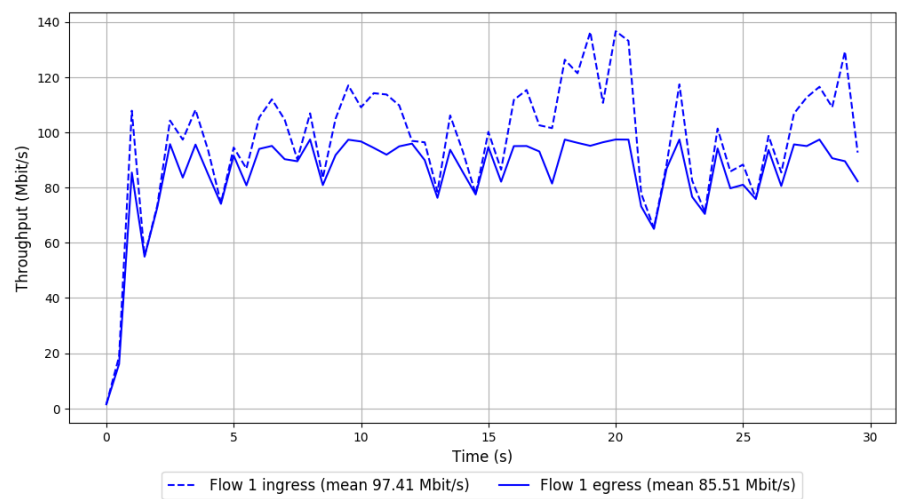


Run 9: Statistics of Vivace-loss

Start at: 2018-04-10 15:32:19  
End at: 2018-04-10 15:32:49  
Local clock offset: 0.549 ms  
Remote clock offset: -2.928 ms

# Below is generated by plot.py at 2018-04-10 17:02:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.51 Mbit/s  
95th percentile per-packet one-way delay: 46.205 ms  
Loss rate: 12.15%  
-- Flow 1:  
Average throughput: 85.51 Mbit/s  
95th percentile per-packet one-way delay: 46.205 ms  
Loss rate: 12.15%

Run 9: Report of Vivace-loss — Data Link

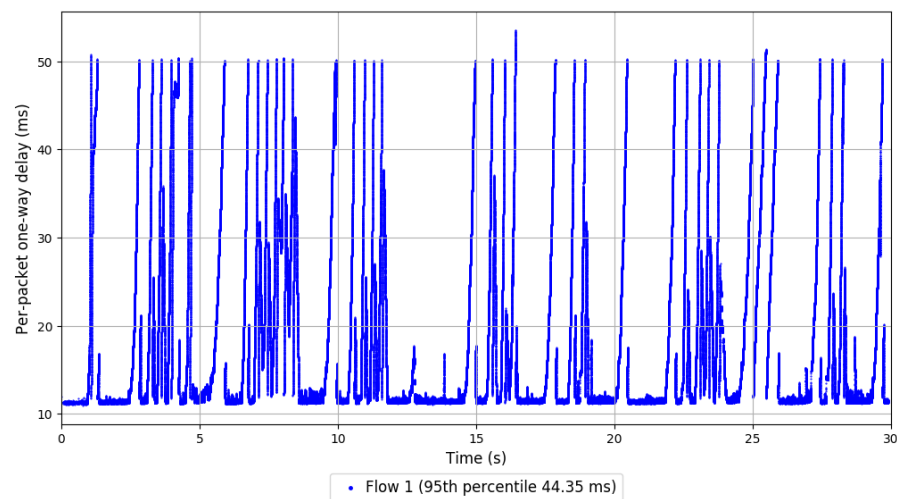
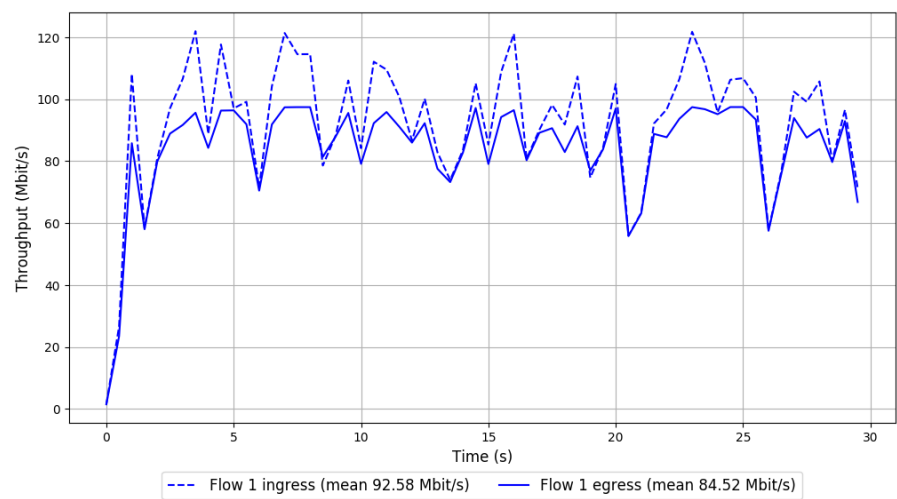


Run 10: Statistics of Vivace-loss

Start at: 2018-04-10 15:54:42  
End at: 2018-04-10 15:55:12  
Local clock offset: 1.119 ms  
Remote clock offset: -3.216 ms

# Below is generated by plot.py at 2018-04-10 17:02:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.52 Mbit/s  
95th percentile per-packet one-way delay: 44.349 ms  
Loss rate: 8.71%  
-- Flow 1:  
Average throughput: 84.52 Mbit/s  
95th percentile per-packet one-way delay: 44.349 ms  
Loss rate: 8.71%

Run 10: Report of Vivace-loss — Data Link



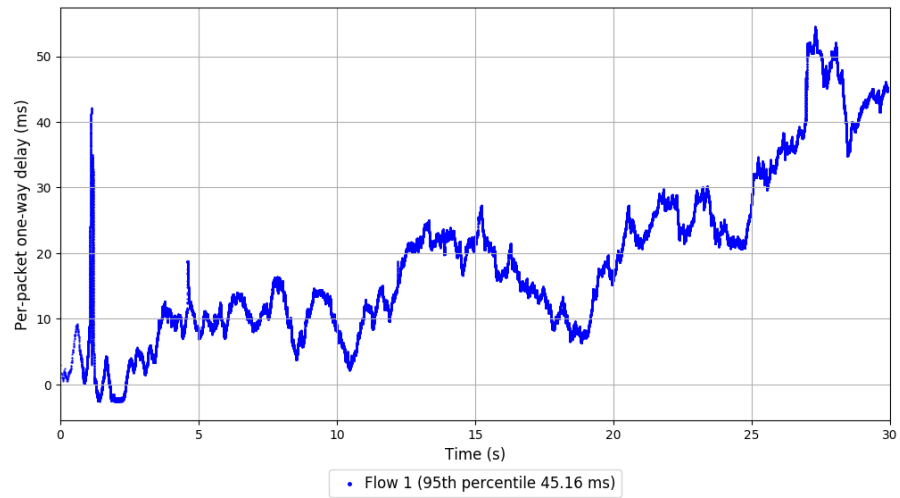
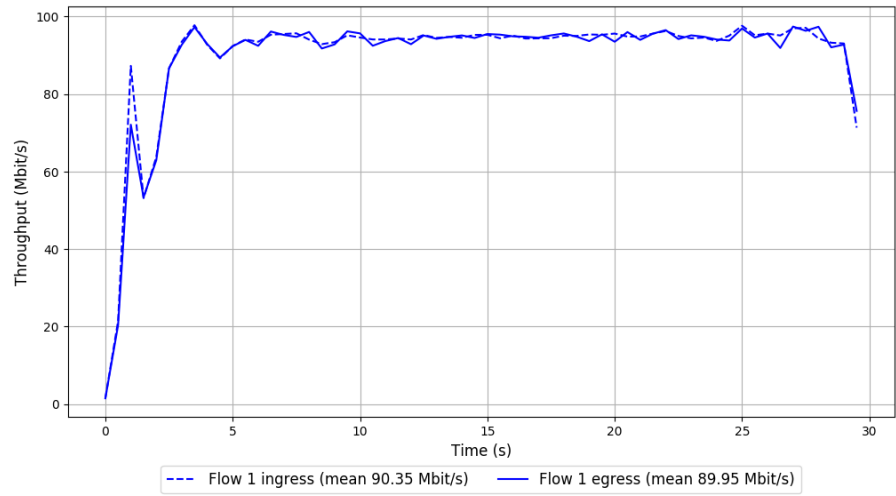
```
Run 1: Statistics of Vivace-LTE

Start at: 2018-04-10 12:45:16
End at: 2018-04-10 12:45:46
Local clock offset: 0.217 ms
Remote clock offset: -13.367 ms

# Below is generated by plot.py at 2018-04-10 17:02:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.95 Mbit/s
95th percentile per-packet one-way delay: 45.165 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 89.95 Mbit/s
95th percentile per-packet one-way delay: 45.165 ms
Loss rate: 0.38%
```



## Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-04-10 13:06:43

End at: 2018-04-10 13:07:14

Local clock offset: 0.992 ms

Remote clock offset: -6.243 ms

# Below is generated by plot.py at 2018-04-10 17:03:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.30 Mbit/s

95th percentile per-packet one-way delay: 46.619 ms

Loss rate: 0.55%

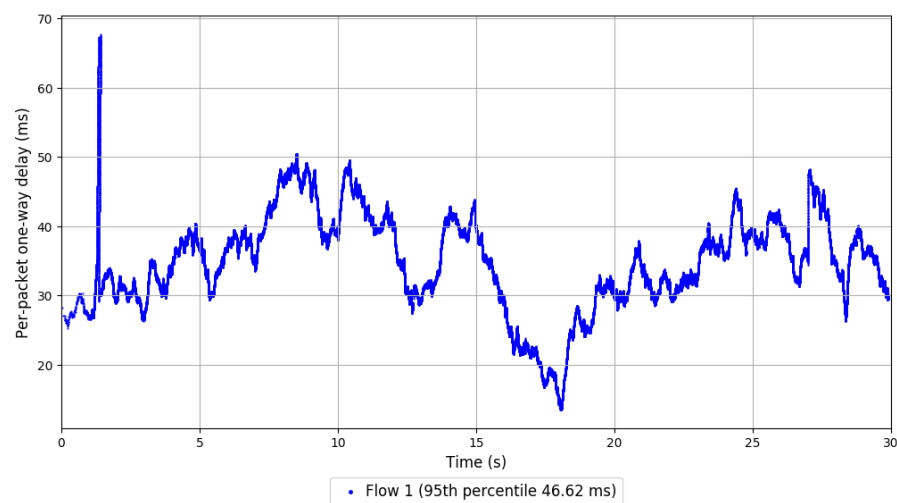
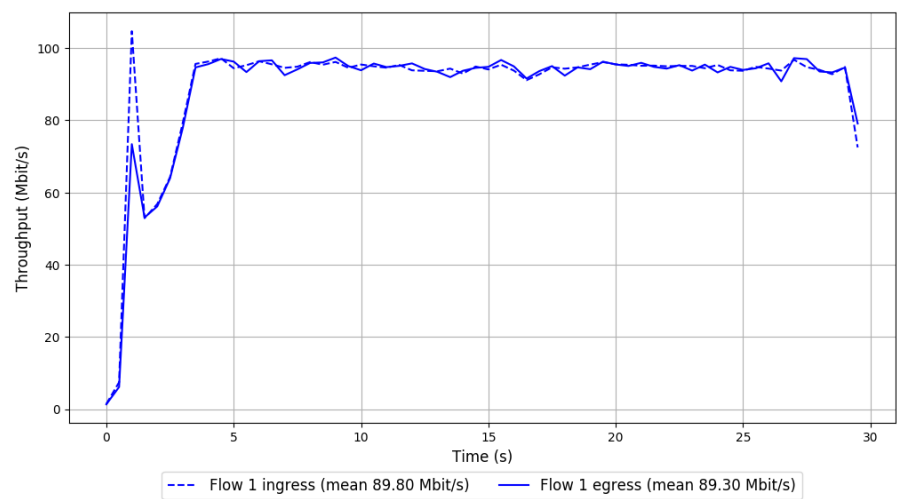
-- Flow 1:

Average throughput: 89.30 Mbit/s

95th percentile per-packet one-way delay: 46.619 ms

Loss rate: 0.55%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-04-10 13:28:42

End at: 2018-04-10 13:29:12

Local clock offset: 0.466 ms

Remote clock offset: -2.129 ms

# Below is generated by plot.py at 2018-04-10 17:03:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.89 Mbit/s

95th percentile per-packet one-way delay: 83.609 ms

Loss rate: 0.95%

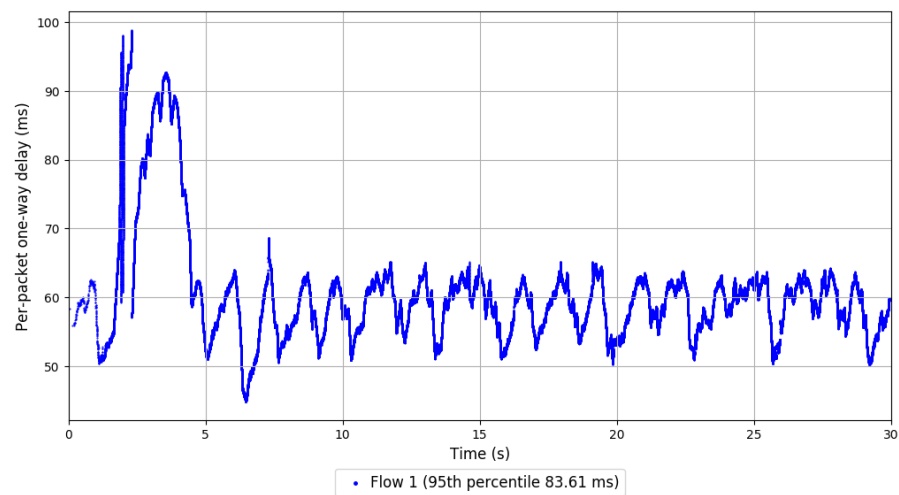
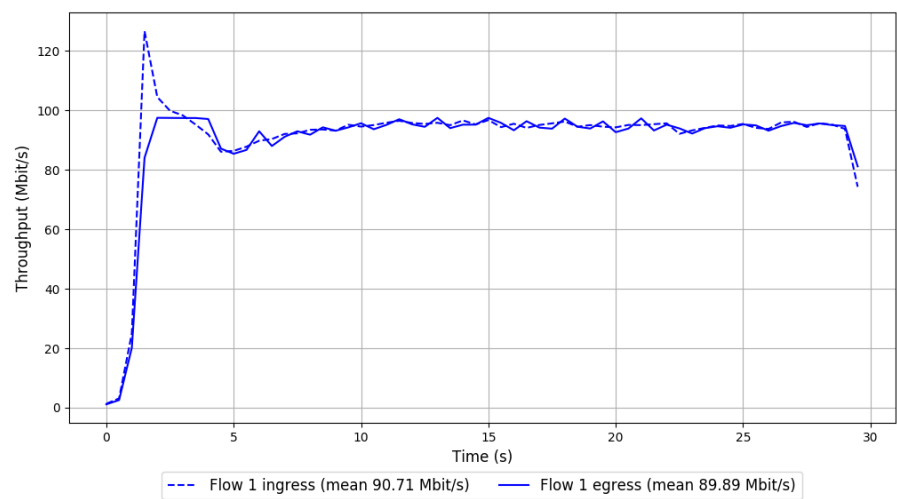
-- Flow 1:

Average throughput: 89.89 Mbit/s

95th percentile per-packet one-way delay: 83.609 ms

Loss rate: 0.95%

Run 3: Report of Vivace-LTE — Data Link

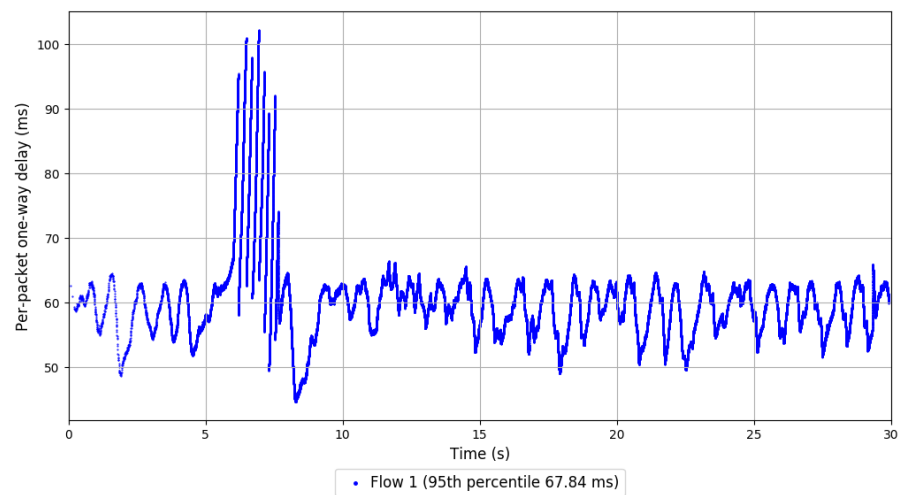
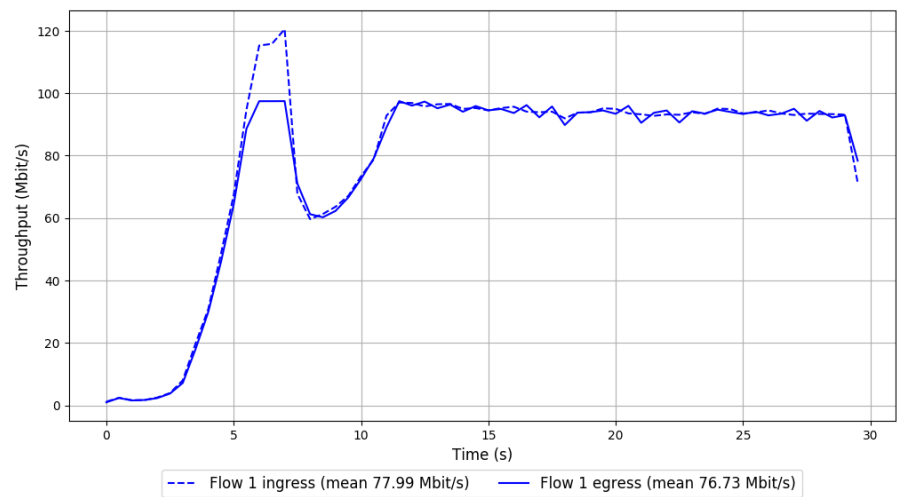


Run 4: Statistics of Vivace-LTE

Start at: 2018-04-10 13:50:13  
End at: 2018-04-10 13:50:43  
Local clock offset: 0.644 ms  
Remote clock offset: 13.797 ms

# Below is generated by plot.py at 2018-04-10 17:03:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.73 Mbit/s  
95th percentile per-packet one-way delay: 67.841 ms  
Loss rate: 1.70%  
-- Flow 1:  
Average throughput: 76.73 Mbit/s  
95th percentile per-packet one-way delay: 67.841 ms  
Loss rate: 1.70%

Run 4: Report of Vivace-LTE — Data Link



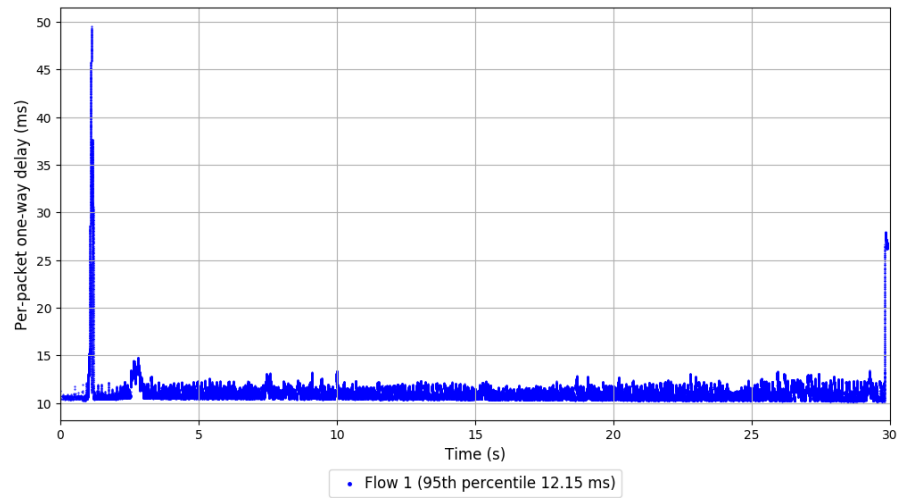
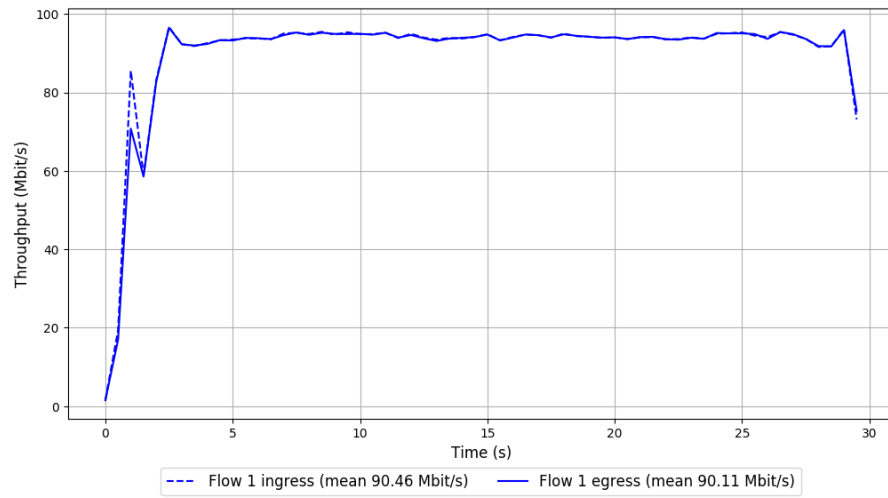
Run 5: Statistics of Vivace-LTE

Start at: 2018-04-10 14:11:48  
End at: 2018-04-10 14:12:18  
Local clock offset: 1.503 ms  
Remote clock offset: 26.519 ms

# Below is generated by plot.py at 2018-04-10 17:03:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.11 Mbit/s  
95th percentile per-packet one-way delay: 12.149 ms  
Loss rate: 0.33%  
-- Flow 1:  
Average throughput: 90.11 Mbit/s  
95th percentile per-packet one-way delay: 12.149 ms  
Loss rate: 0.33%



### Run 5: Report of Vivace-LTE — Data Link

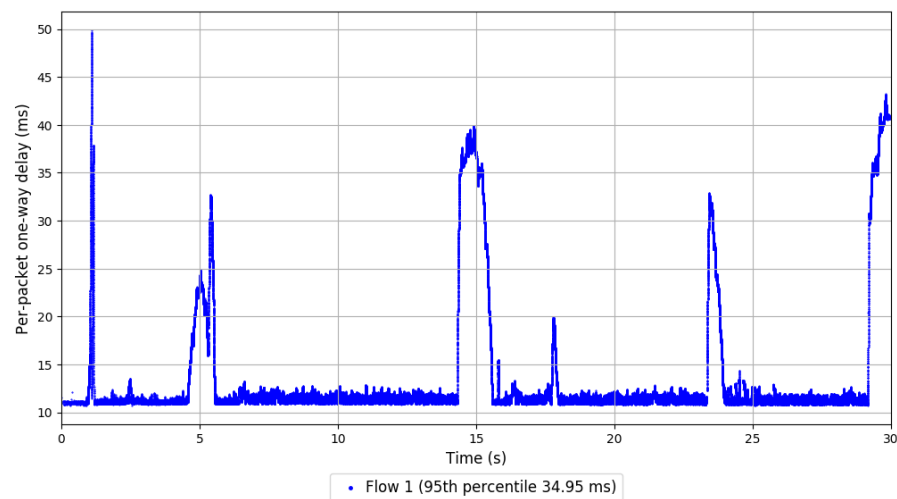
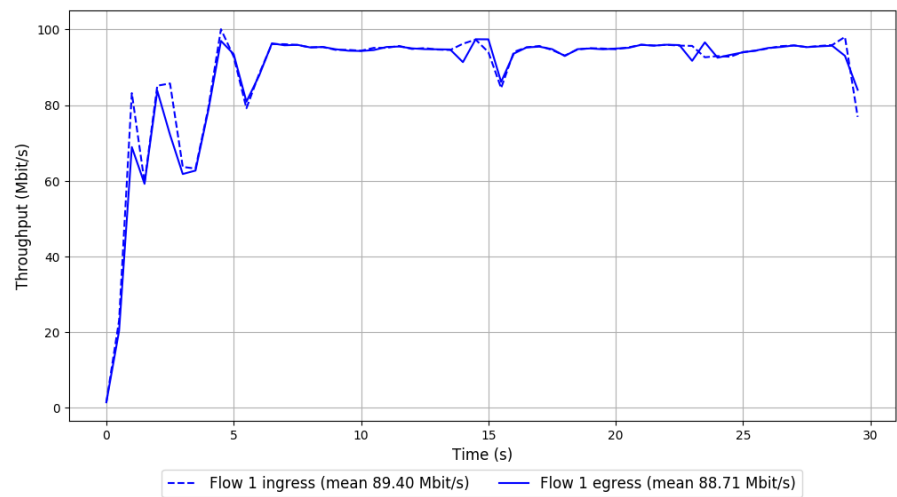


Run 6: Statistics of Vivace-LTE

Start at: 2018-04-10 14:32:43  
End at: 2018-04-10 14:33:13  
Local clock offset: -0.847 ms  
Remote clock offset: 31.258 ms

# Below is generated by plot.py at 2018-04-10 17:03:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.71 Mbit/s  
95th percentile per-packet one-way delay: 34.954 ms  
Loss rate: 0.67%  
-- Flow 1:  
Average throughput: 88.71 Mbit/s  
95th percentile per-packet one-way delay: 34.954 ms  
Loss rate: 0.67%

Run 6: Report of Vivace-LTE — Data Link

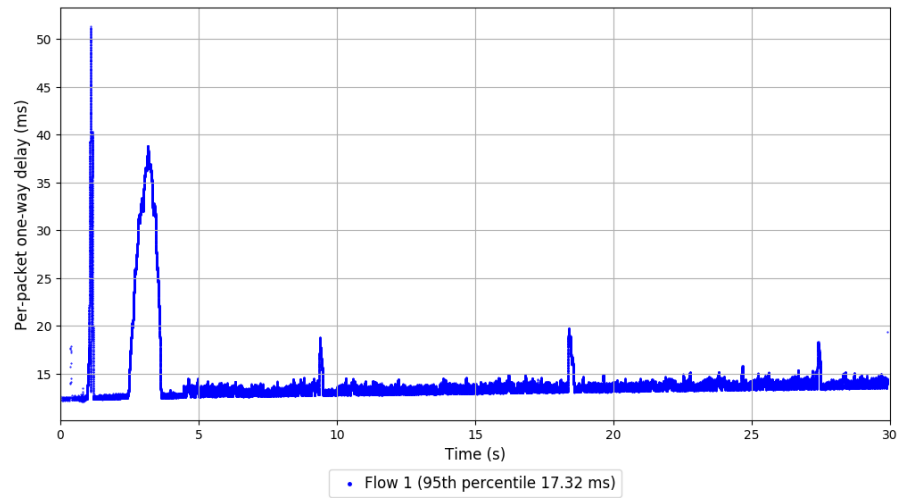
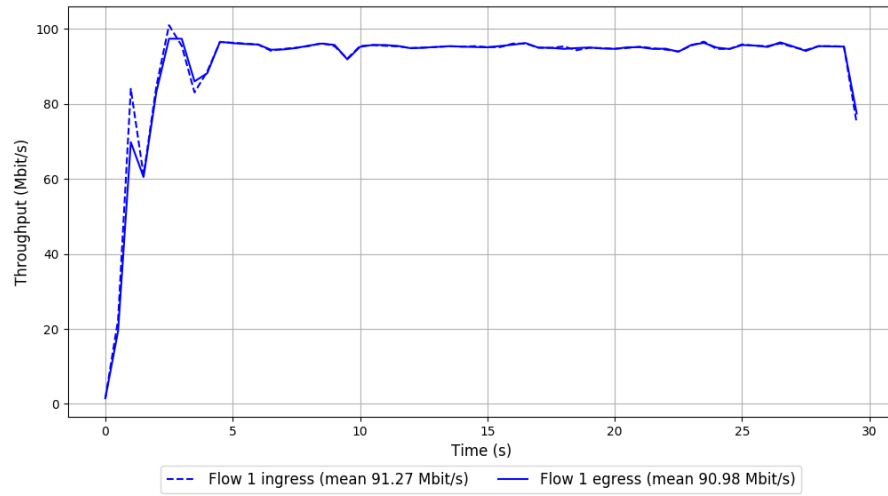


Run 7: Statistics of Vivace-LTE

Start at: 2018-04-10 14:54:44  
End at: 2018-04-10 14:55:14  
Local clock offset: -0.764 ms  
Remote clock offset: 15.596 ms

# Below is generated by plot.py at 2018-04-10 17:03:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.98 Mbit/s  
95th percentile per-packet one-way delay: 17.317 ms  
Loss rate: 0.29%  
-- Flow 1:  
Average throughput: 90.98 Mbit/s  
95th percentile per-packet one-way delay: 17.317 ms  
Loss rate: 0.29%

## Run 7: Report of Vivace-LTE — Data Link

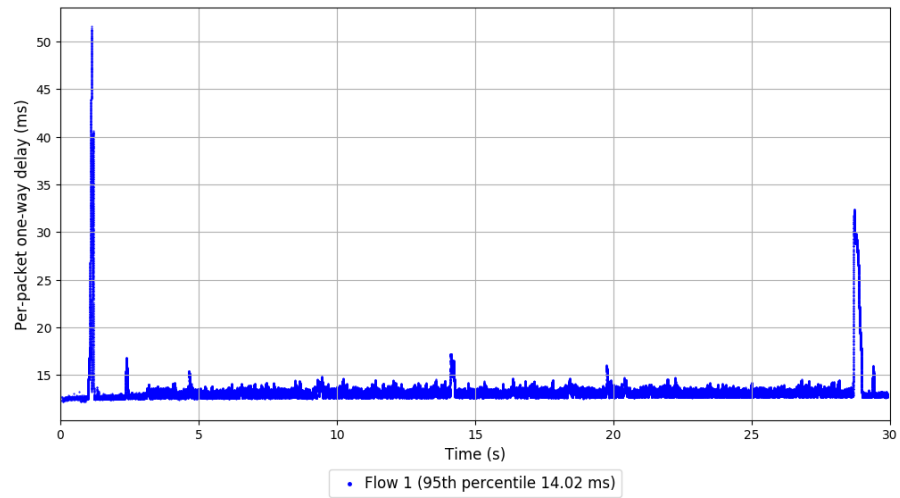
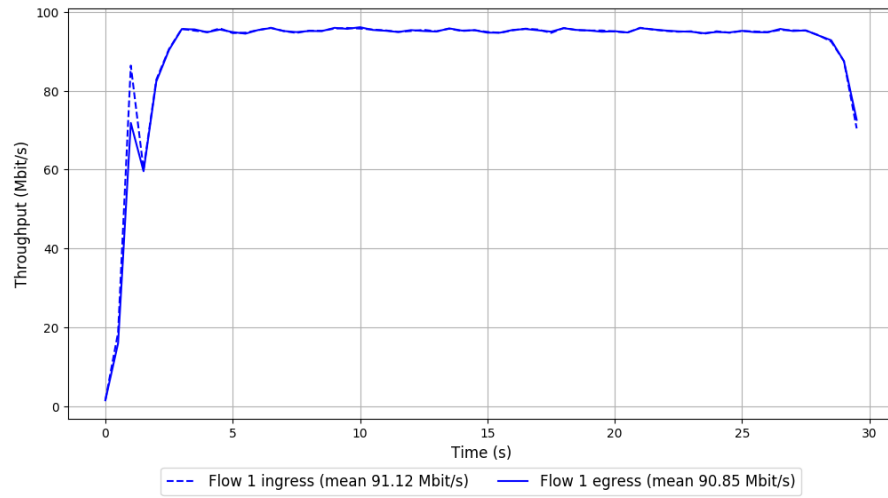


Run 8: Statistics of Vivace-LTE

Start at: 2018-04-10 15:16:38  
End at: 2018-04-10 15:17:08  
Local clock offset: -0.297 ms  
Remote clock offset: -5.203 ms

# Below is generated by plot.py at 2018-04-10 17:03:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.85 Mbit/s  
95th percentile per-packet one-way delay: 14.017 ms  
Loss rate: 0.30%  
-- Flow 1:  
Average throughput: 90.85 Mbit/s  
95th percentile per-packet one-way delay: 14.017 ms  
Loss rate: 0.30%

### Run 8: Report of Vivace-LTE — Data Link



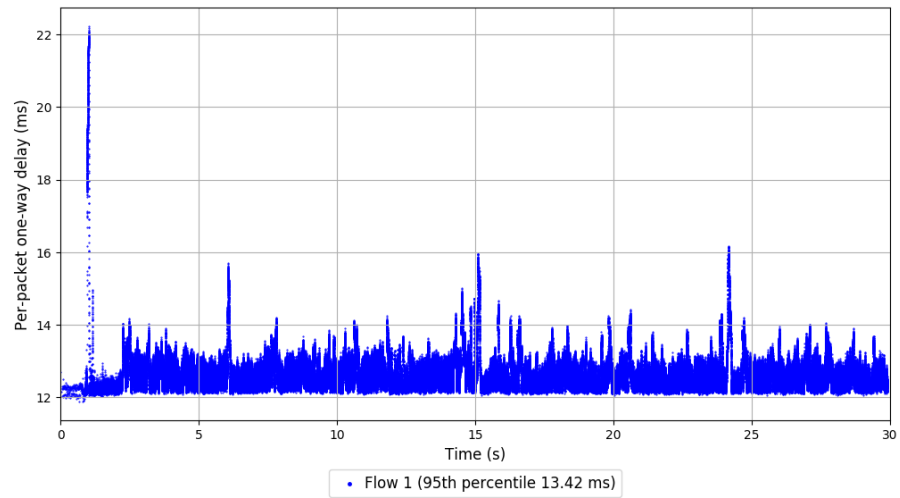
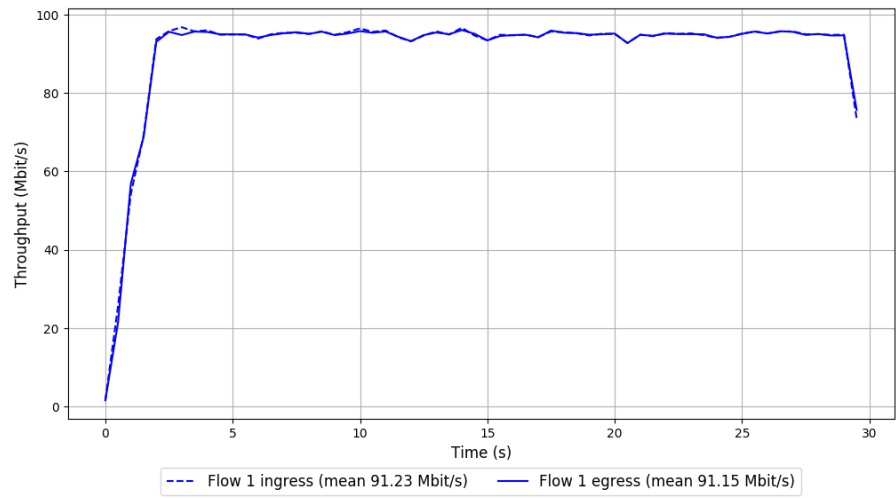
Run 9: Statistics of Vivace-LTE

Start at: 2018-04-10 15:38:21  
End at: 2018-04-10 15:38:51  
Local clock offset: 0.359 ms  
Remote clock offset: -2.431 ms

# Below is generated by plot.py at 2018-04-10 17:03:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.15 Mbit/s  
95th percentile per-packet one-way delay: 13.421 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 91.15 Mbit/s  
95th percentile per-packet one-way delay: 13.421 ms  
Loss rate: 0.10%



### Run 9: Report of Vivace-LTE — Data Link



Run 10: Statistics of Vivace-LTE

Start at: 2018-04-10 16:00:54

End at: 2018-04-10 16:01:24

Local clock offset: 1.55 ms

Remote clock offset: -2.39 ms

# Below is generated by plot.py at 2018-04-10 17:03:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.89 Mbit/s

95th percentile per-packet one-way delay: 16.888 ms

Loss rate: 0.31%

-- Flow 1:

Average throughput: 90.89 Mbit/s

95th percentile per-packet one-way delay: 16.888 ms

Loss rate: 0.31%

# Run 10: Report of Vivace-LTE — Data Link

