

## Pantheon Report

Generated at 2018-04-10 17:17:42 (UTC).

Data path: AWS Brazil 2 Ethernet (*local*) → Colombia 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).

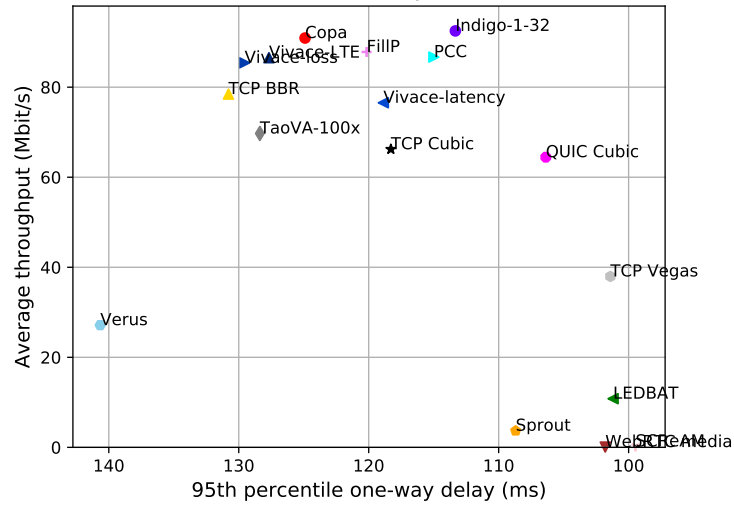
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

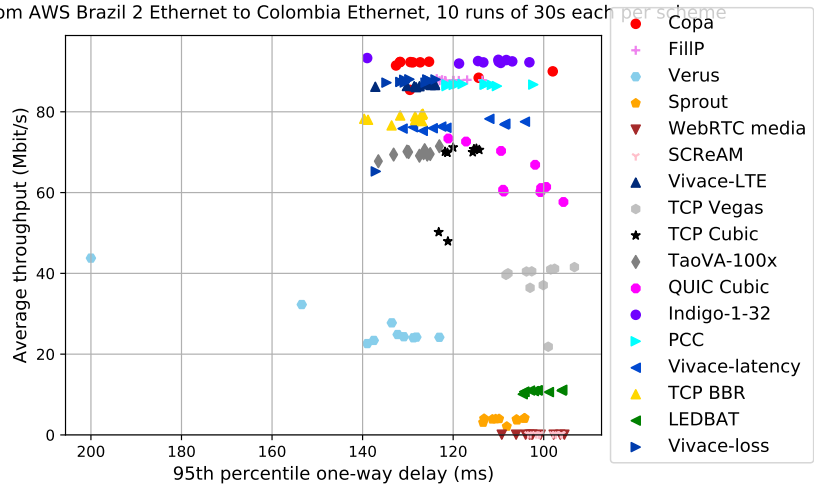
Git summary:

```
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 @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581
```

test from AWS Brazil 2 Ethernet to Colombia Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from AWS Brazil 2 Ethernet to Colombia 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     | 78.47                            | 130.79                              | 2.46                         |
| TCP Cubic      | 10     | 66.22                            | 118.30                              | 0.42                         |
| LEDBAT         | 10     | 10.81                            | 101.20                              | 0.00                         |
| PCC            | 10     | 86.68                            | 114.98                              | 1.55                         |
| QUIC Cubic     | 10     | 64.45                            | 106.37                              | 0.15                         |
| SCReAM         | 10     | 0.21                             | 99.47                               | 0.00                         |
| WebRTC media   | 10     | 0.06                             | 101.80                              | 0.00                         |
| Sprout         | 10     | 3.69                             | 108.69                              | 0.00                         |
| TaoVA-100x     | 10     | 69.71                            | 128.38                              | 1.10                         |
| TCP Vegas      | 10     | 37.96                            | 101.41                              | 0.37                         |
| Verus          | 10     | 27.14                            | 140.66                              | 21.44                        |
| Copa           | 10     | 90.92                            | 124.90                              | 62.34                        |
| FillP          | 10     | 87.82                            | 120.16                              | 2.35                         |
| Indigo-1-32    | 10     | 92.49                            | 113.33                              | 0.94                         |
| Vivace-latency | 10     | 76.53                            | 118.87                              | 0.11                         |
| Vivace-loss    | 10     | 85.40                            | 129.55                              | 2.47                         |
| Vivace-LTE     | 10     | 86.55                            | 127.68                              | 2.04                         |

Run 1: Statistics of TCP BBR

Start at: 2018-04-10 12:45:27

End at: 2018-04-10 12:45:57

Local clock offset: -5.965 ms

Remote clock offset: 0.963 ms

# Below is generated by plot.py at 2018-04-10 16:52:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.23 Mbit/s

95th percentile per-packet one-way delay: 126.865 ms

Loss rate: 2.39%

-- Flow 1:

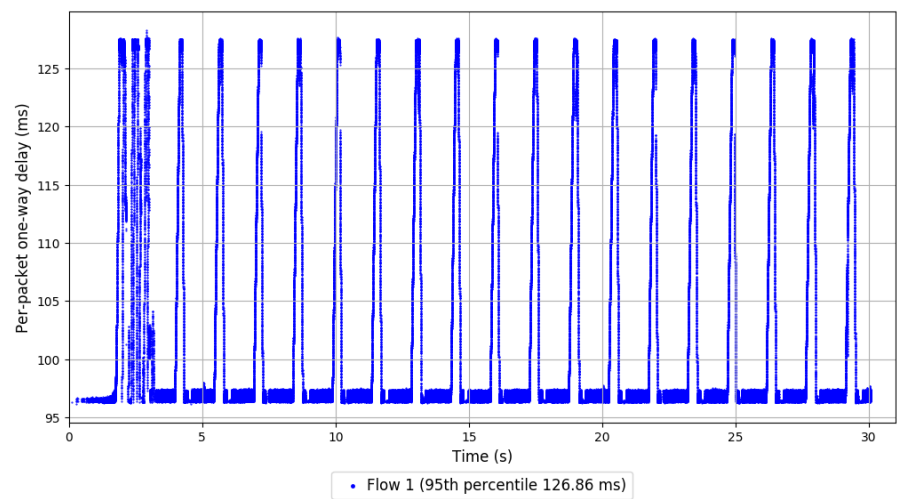
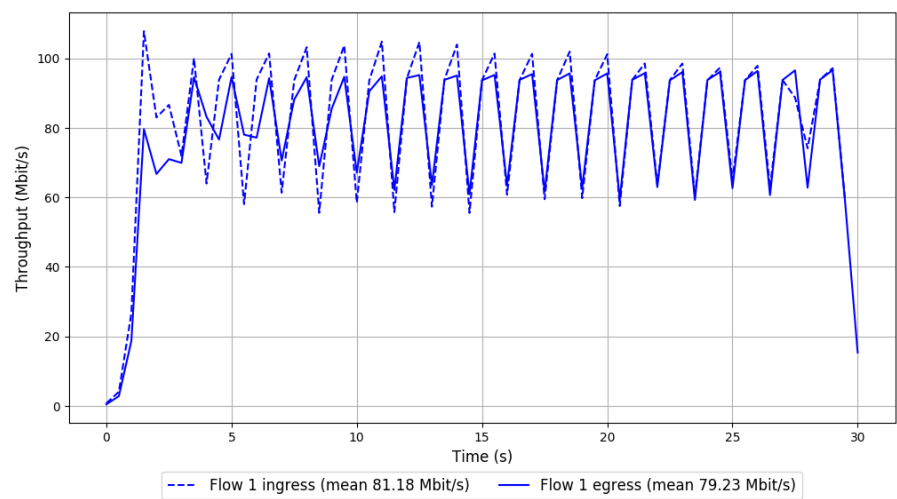
Average throughput: 79.23 Mbit/s

95th percentile per-packet one-way delay: 126.865 ms

Loss rate: 2.39%



Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-10 13:07:48

End at: 2018-04-10 13:08:18

Local clock offset: -6.711 ms

Remote clock offset: 1.348 ms

# Below is generated by plot.py at 2018-04-10 16:52:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.96 Mbit/s

95th percentile per-packet one-way delay: 128.389 ms

Loss rate: 2.31%

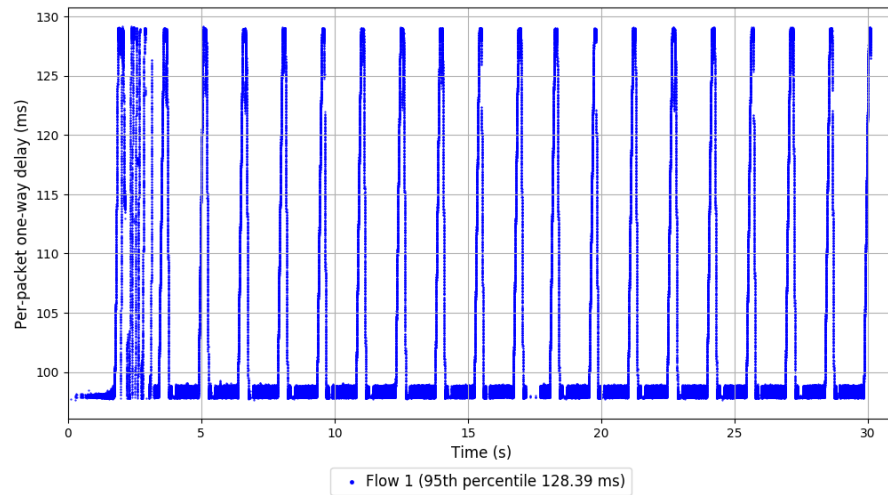
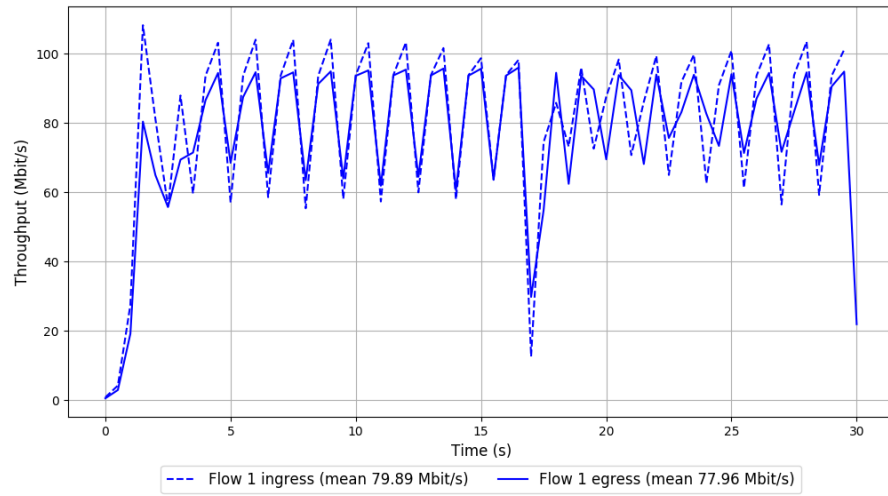
-- Flow 1:

Average throughput: 77.96 Mbit/s

95th percentile per-packet one-way delay: 128.389 ms

Loss rate: 2.31%

## 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: -6.578 ms

Remote clock offset: 1.85 ms

# Below is generated by plot.py at 2018-04-10 16:52:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.36 Mbit/s

95th percentile per-packet one-way delay: 126.969 ms

Loss rate: 2.19%

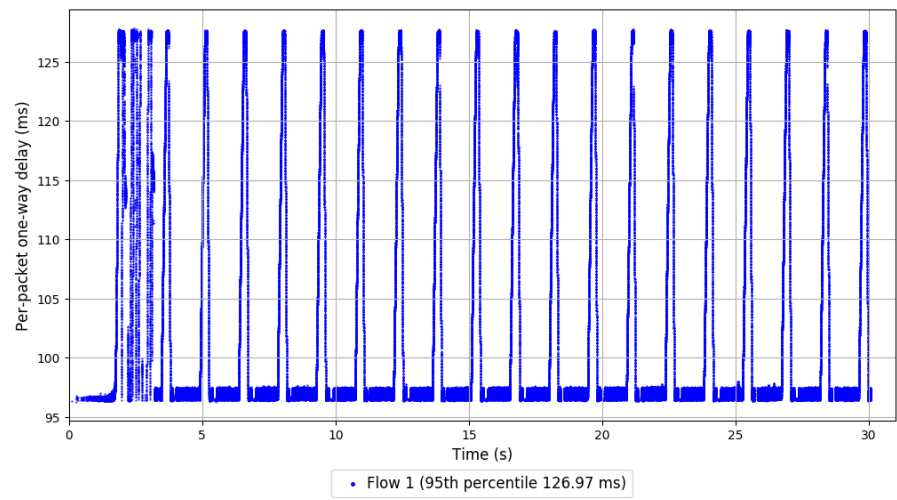
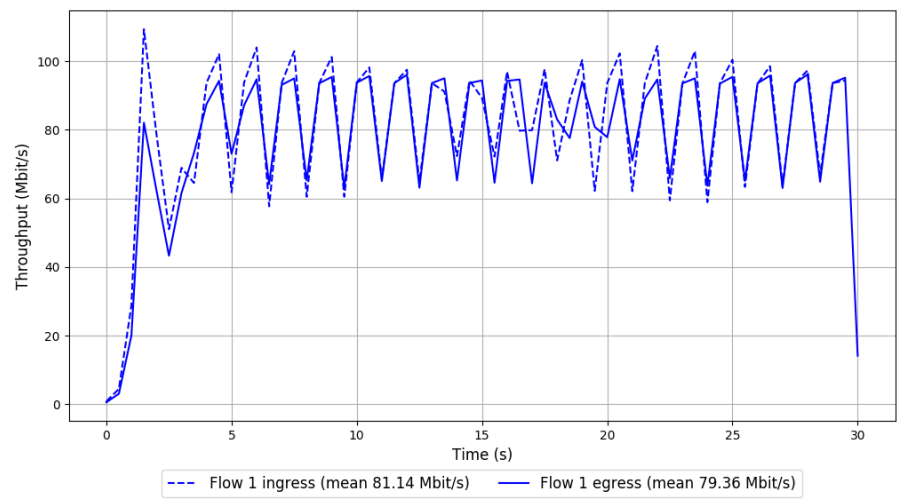
-- Flow 1:

Average throughput: 79.36 Mbit/s

95th percentile per-packet one-way delay: 126.969 ms

Loss rate: 2.19%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-10 13:52:30

End at: 2018-04-10 13:53:00

Local clock offset: -5.982 ms

Remote clock offset: 2.176 ms

# Below is generated by plot.py at 2018-04-10 16:52:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.90 Mbit/s

95th percentile per-packet one-way delay: 128.392 ms

Loss rate: 2.36%

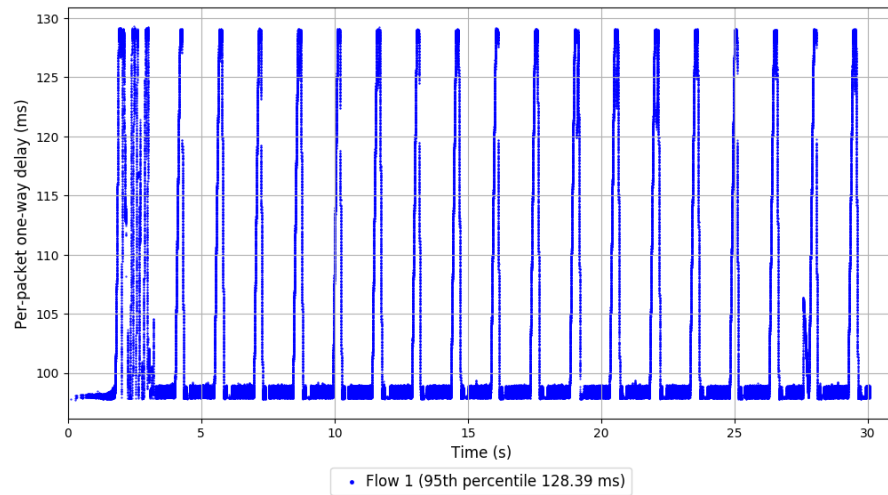
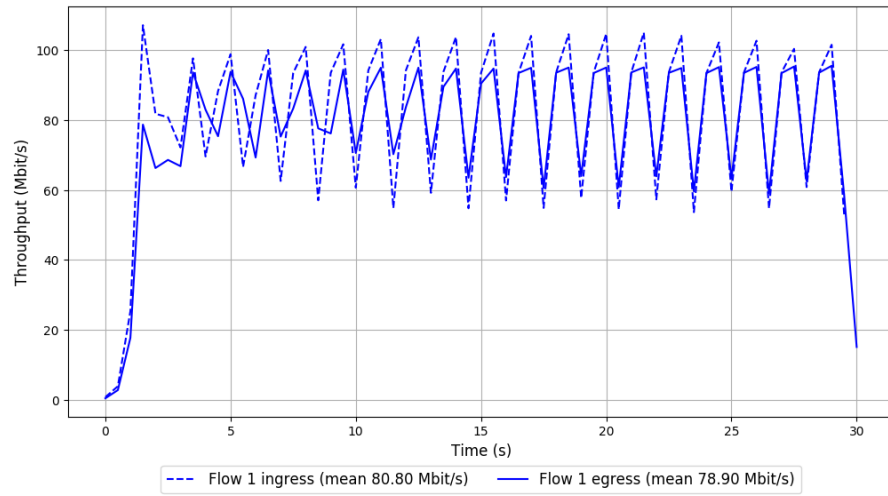
-- Flow 1:

Average throughput: 78.90 Mbit/s

95th percentile per-packet one-way delay: 128.392 ms

Loss rate: 2.36%

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



Run 5: Statistics of TCP BBR

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

End at: 2018-04-10 14:15:28

Local clock offset: -5.26 ms

Remote clock offset: 8.214 ms

# Below is generated by plot.py at 2018-04-10 16:52:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.09 Mbit/s

95th percentile per-packet one-way delay: 131.694 ms

Loss rate: 2.21%

-- Flow 1:

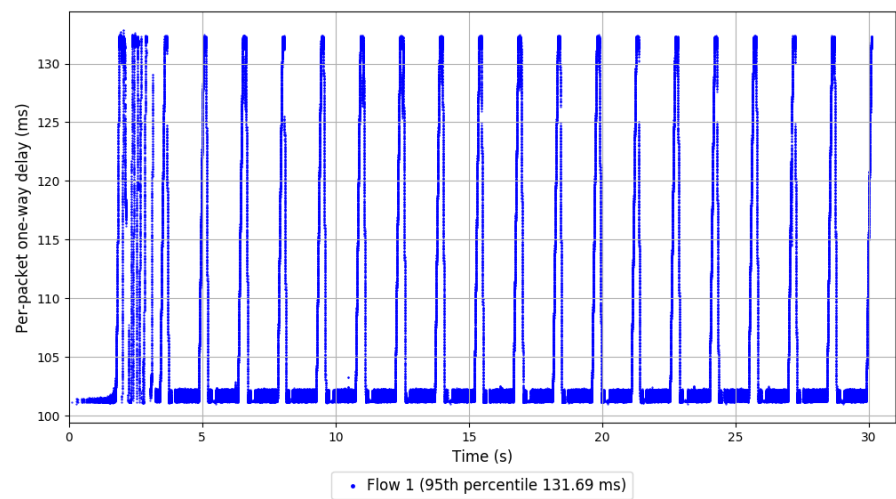
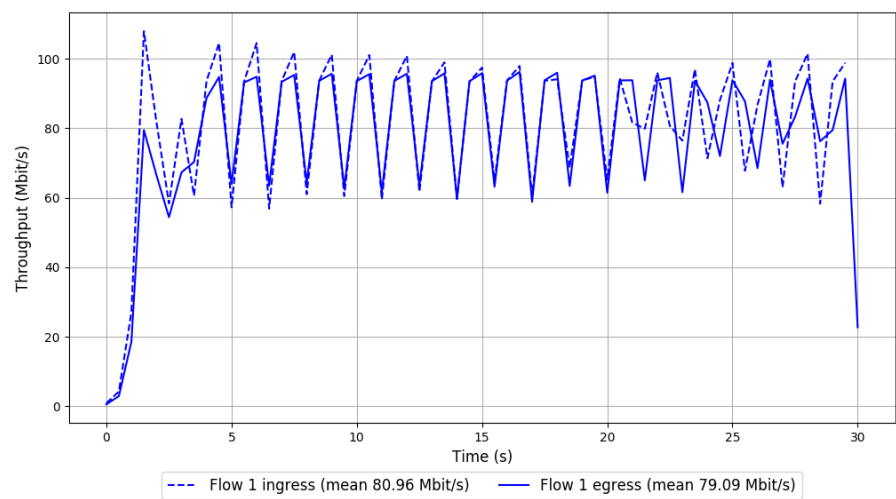
Average throughput: 79.09 Mbit/s

95th percentile per-packet one-way delay: 131.694 ms

Loss rate: 2.21%



Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2018-04-10 14:37:27

End at: 2018-04-10 14:37:57

Local clock offset: -5.109 ms

Remote clock offset: 7.392 ms

# Below is generated by plot.py at 2018-04-10 16:52:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.64 Mbit/s

95th percentile per-packet one-way delay: 133.595 ms

Loss rate: 2.79%

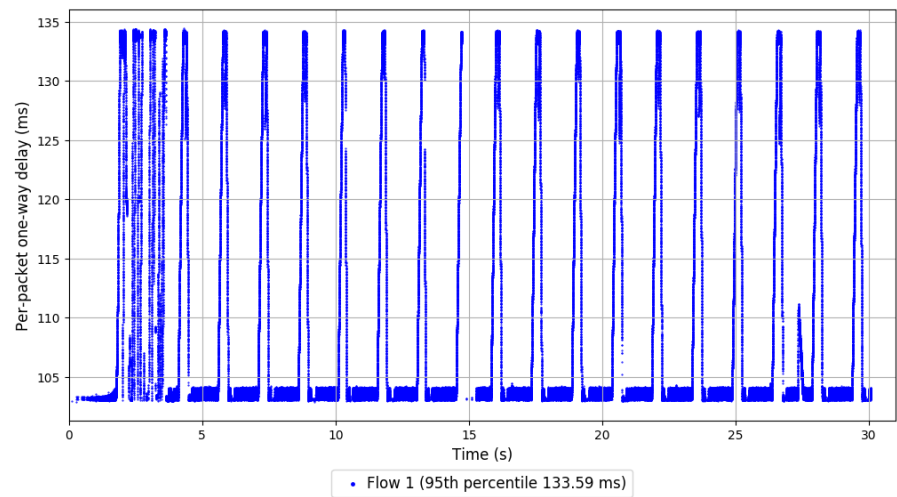
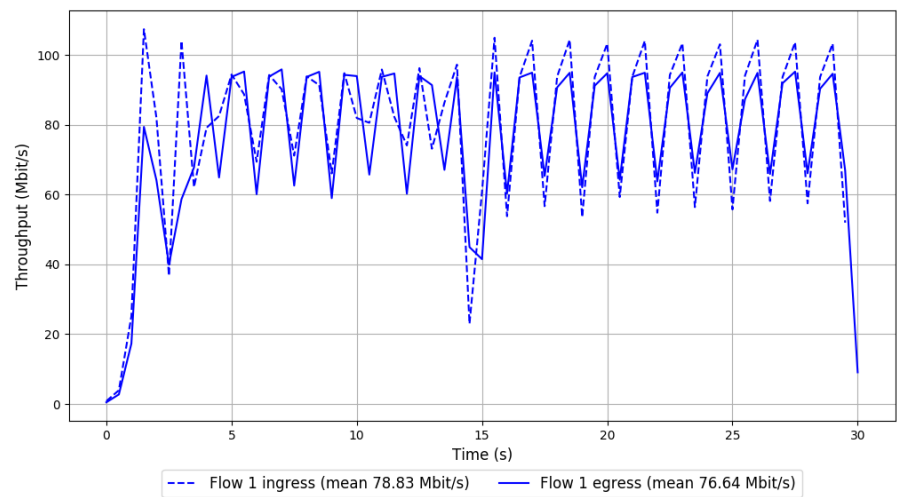
-- Flow 1:

Average throughput: 76.64 Mbit/s

95th percentile per-packet one-way delay: 133.595 ms

Loss rate: 2.79%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2018-04-10 15:00:07

End at: 2018-04-10 15:00:37

Local clock offset: -5.784 ms

Remote clock offset: 3.178 ms

# Below is generated by plot.py at 2018-04-10 16:52:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.69 Mbit/s

95th percentile per-packet one-way delay: 126.854 ms

Loss rate: 2.28%

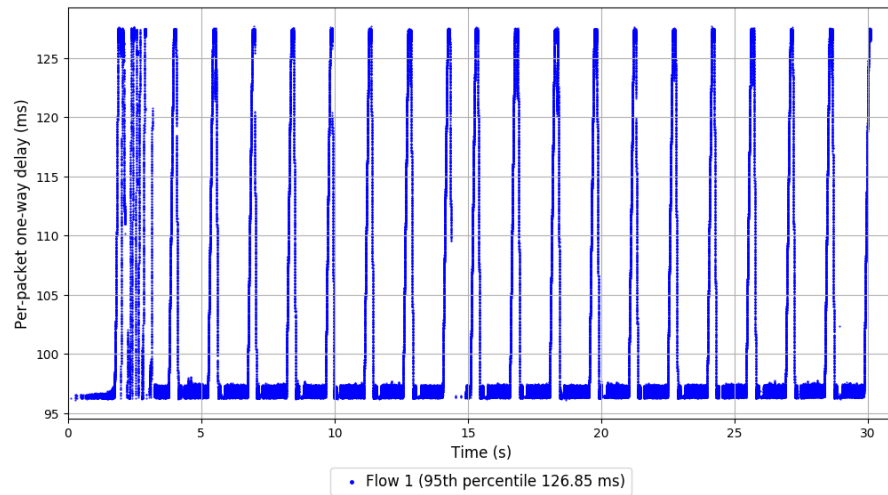
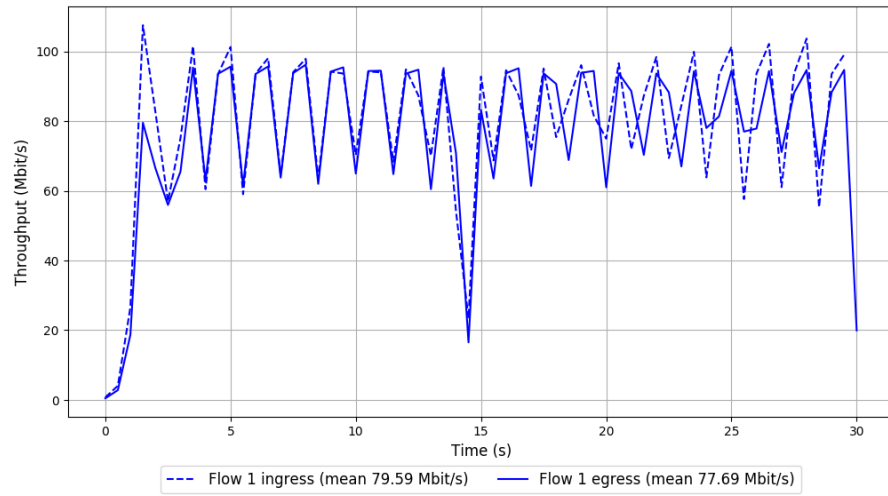
-- Flow 1:

Average throughput: 77.69 Mbit/s

95th percentile per-packet one-way delay: 126.854 ms

Loss rate: 2.28%

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



Run 8: Statistics of TCP BBR

Start at: 2018-04-10 15:22:42

End at: 2018-04-10 15:23:12

Local clock offset: -5.843 ms

Remote clock offset: 2.745 ms

# Below is generated by plot.py at 2018-04-10 16:52:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.54 Mbit/s

95th percentile per-packet one-way delay: 126.708 ms

Loss rate: 2.37%

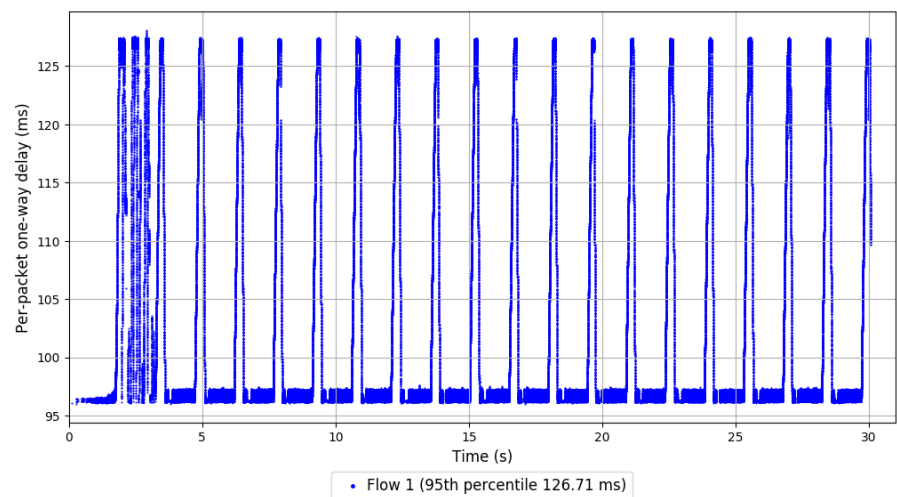
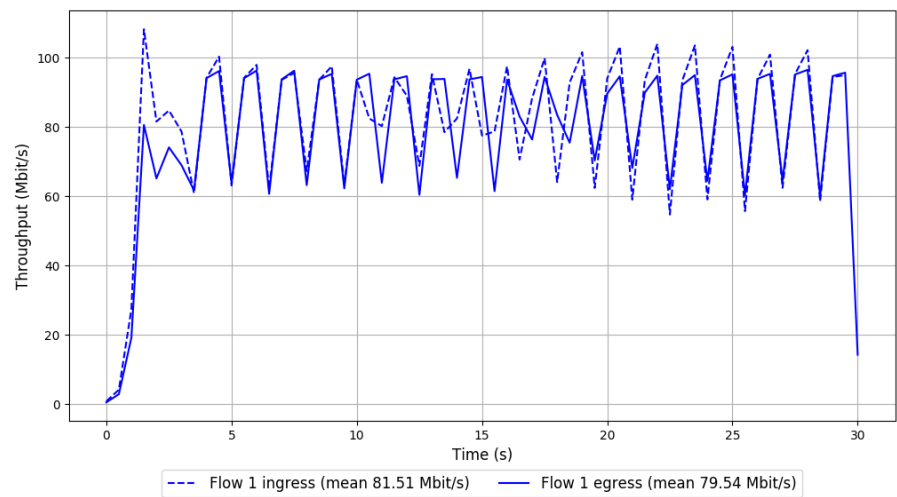
-- Flow 1:

Average throughput: 79.54 Mbit/s

95th percentile per-packet one-way delay: 126.708 ms

Loss rate: 2.37%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-10 15:45:13

End at: 2018-04-10 15:45:43

Local clock offset: -6.852 ms

Remote clock offset: 7.664 ms

# Below is generated by plot.py at 2018-04-10 16:54:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.27 Mbit/s

95th percentile per-packet one-way delay: 139.640 ms

Loss rate: 2.83%

-- Flow 1:

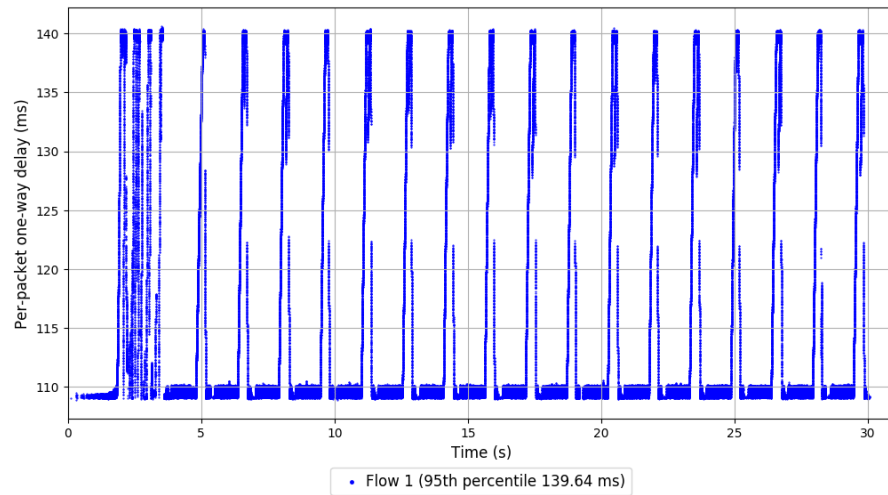
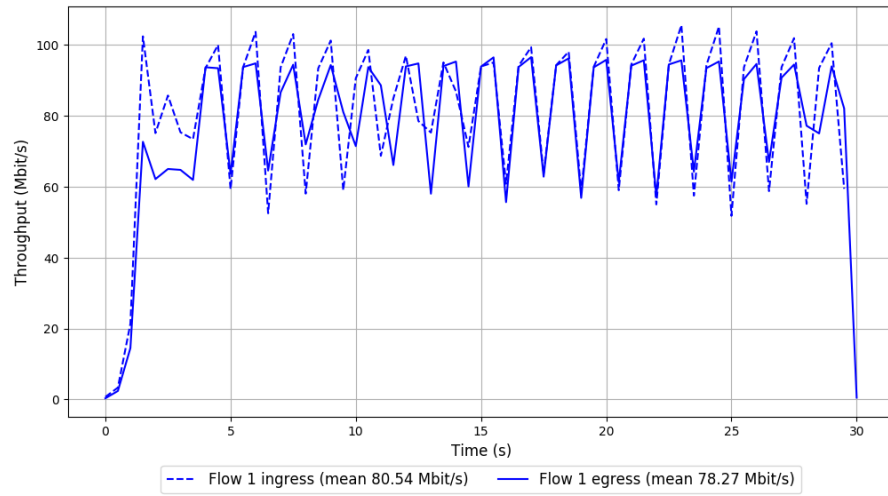
Average throughput: 78.27 Mbit/s

95th percentile per-packet one-way delay: 139.640 ms

Loss rate: 2.83%



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



Run 10: Statistics of TCP BBR

Start at: 2018-04-10 16:07:40

End at: 2018-04-10 16:08:10

Local clock offset: -6.019 ms

Remote clock offset: 8.674 ms

# Below is generated by plot.py at 2018-04-10 16:54:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.03 Mbit/s

95th percentile per-packet one-way delay: 138.803 ms

Loss rate: 2.86%

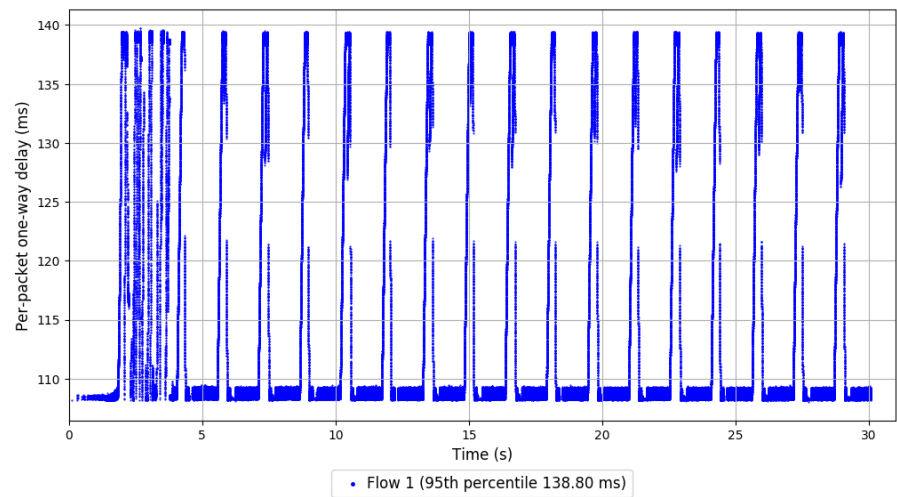
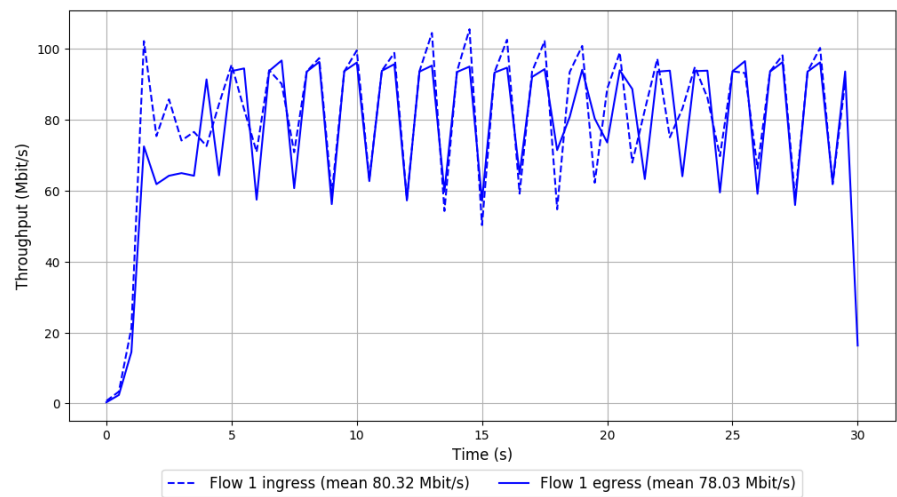
-- Flow 1:

Average throughput: 78.03 Mbit/s

95th percentile per-packet one-way delay: 138.803 ms

Loss rate: 2.86%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2018-04-10 12:51:27

End at: 2018-04-10 12:51:57

Local clock offset: -5.976 ms

Remote clock offset: 1.249 ms

# Below is generated by plot.py at 2018-04-10 16:54:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.87 Mbit/s

95th percentile per-packet one-way delay: 121.267 ms

Loss rate: 0.38%

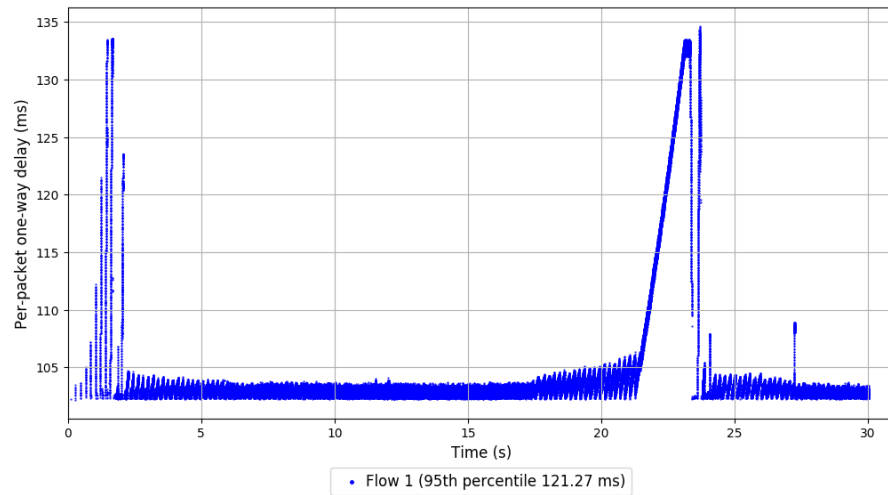
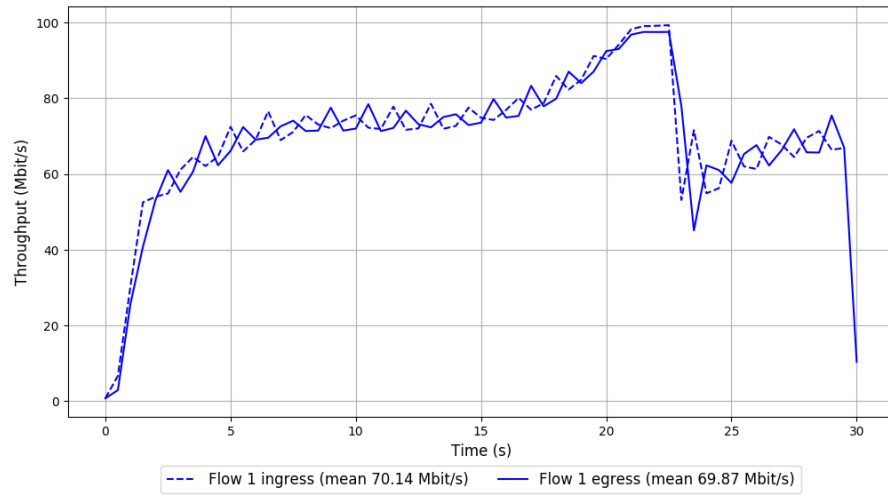
-- Flow 1:

Average throughput: 69.87 Mbit/s

95th percentile per-packet one-way delay: 121.267 ms

Loss rate: 0.38%

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



Run 2: Statistics of TCP Cubic

Start at: 2018-04-10 13:13:48

End at: 2018-04-10 13:14:18

Local clock offset: -6.638 ms

Remote clock offset: 5.553 ms

# Below is generated by plot.py at 2018-04-10 16:54:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.17 Mbit/s

95th percentile per-packet one-way delay: 120.007 ms

Loss rate: 0.36%

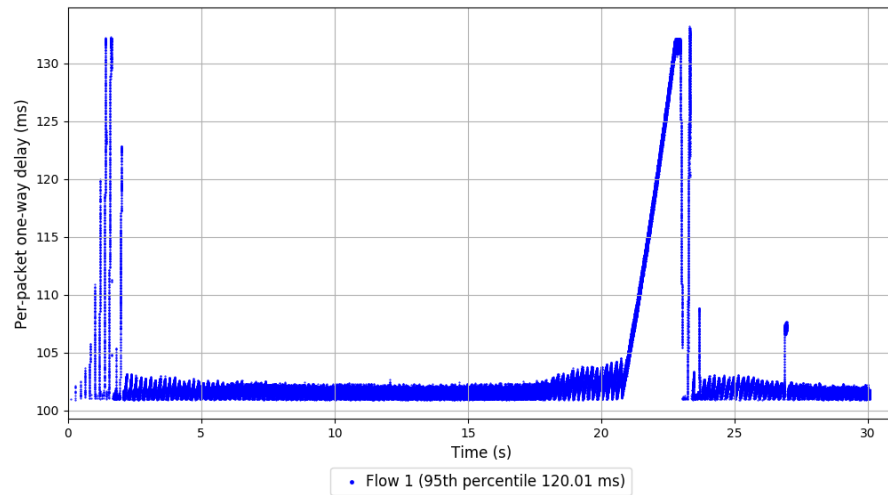
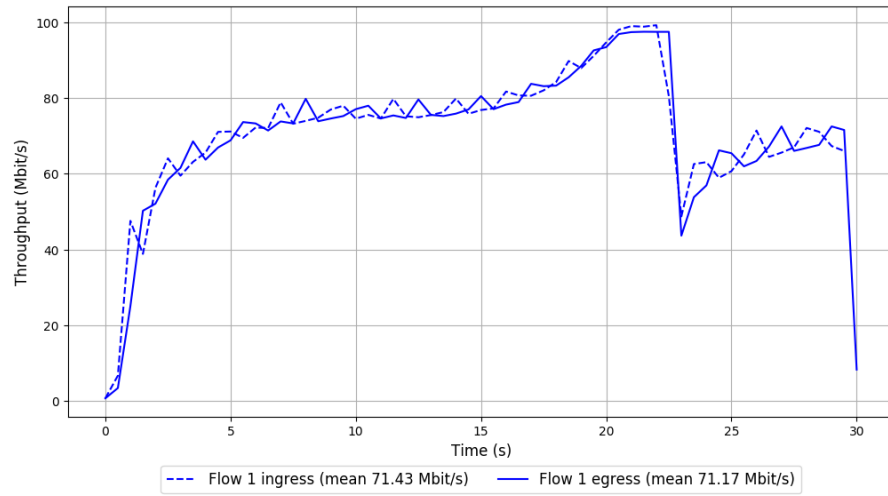
-- Flow 1:

Average throughput: 71.17 Mbit/s

95th percentile per-packet one-way delay: 120.007 ms

Loss rate: 0.36%

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



Run 3: Statistics of TCP Cubic

Start at: 2018-04-10 13:36:17

End at: 2018-04-10 13:36:47

Local clock offset: -5.736 ms

Remote clock offset: 1.86 ms

# Below is generated by plot.py at 2018-04-10 16:54:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.68 Mbit/s

95th percentile per-packet one-way delay: 115.328 ms

Loss rate: 0.31%

-- Flow 1:

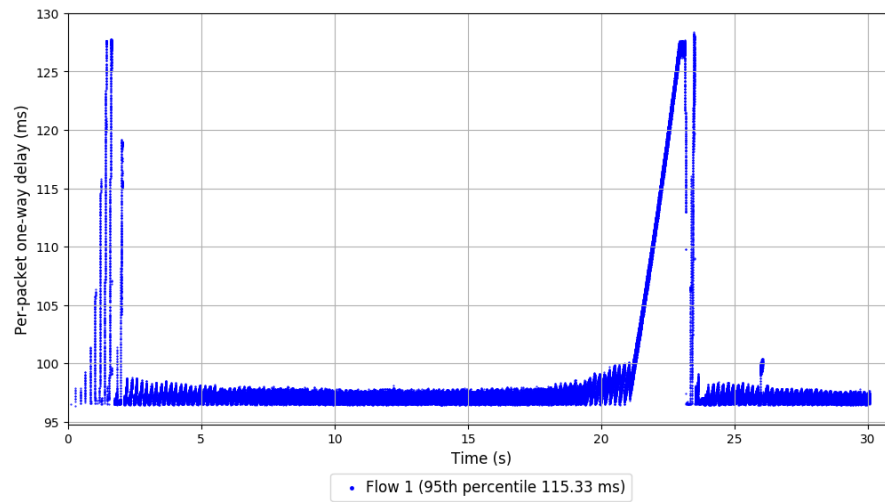
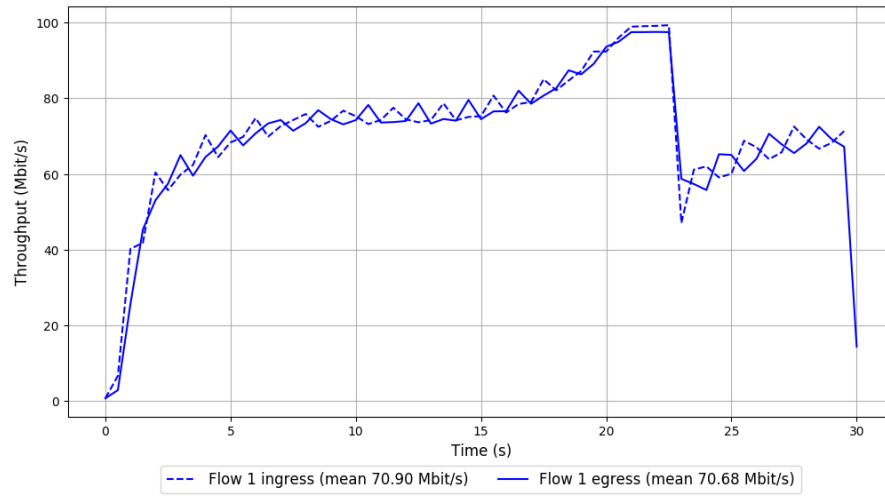
Average throughput: 70.68 Mbit/s

95th percentile per-packet one-way delay: 115.328 ms

Loss rate: 0.31%



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



Run 4: Statistics of TCP Cubic

Start at: 2018-04-10 13:58:32

End at: 2018-04-10 13:59:02

Local clock offset: -5.29 ms

Remote clock offset: 7.133 ms

# Below is generated by plot.py at 2018-04-10 16:54:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 47.94 Mbit/s

95th percentile per-packet one-way delay: 121.162 ms

Loss rate: 0.71%

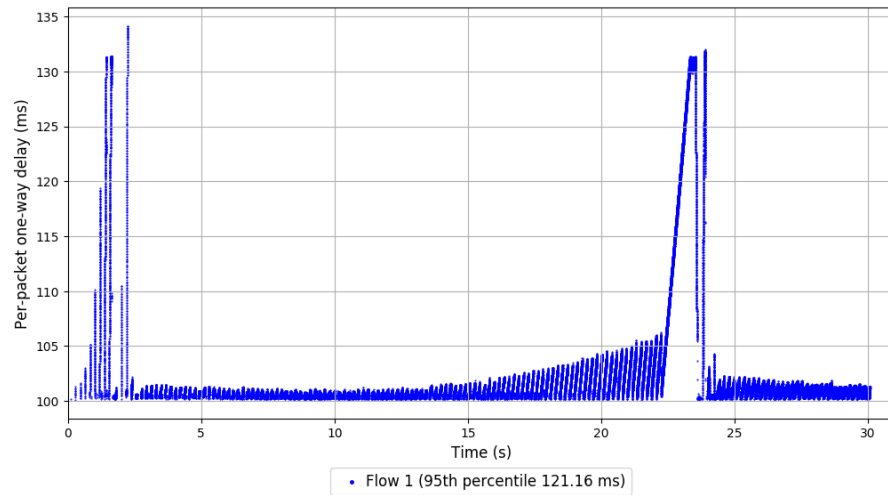
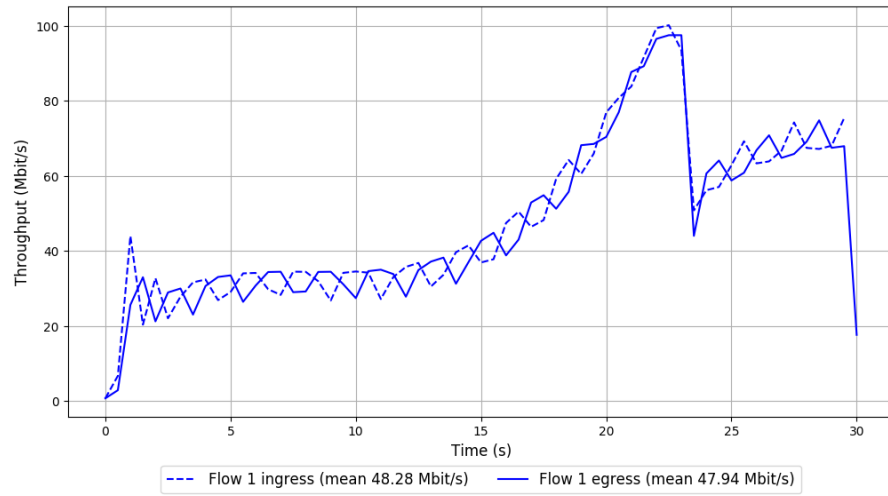
-- Flow 1:

Average throughput: 47.94 Mbit/s

95th percentile per-packet one-way delay: 121.162 ms

Loss rate: 0.71%

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



Run 5: Statistics of TCP Cubic

Start at: 2018-04-10 14:20:59

End at: 2018-04-10 14:21:29

Local clock offset: -5.18 ms

Remote clock offset: 2.779 ms

# Below is generated by plot.py at 2018-04-10 16:54:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.56 Mbit/s

95th percentile per-packet one-way delay: 114.227 ms

Loss rate: 0.33%

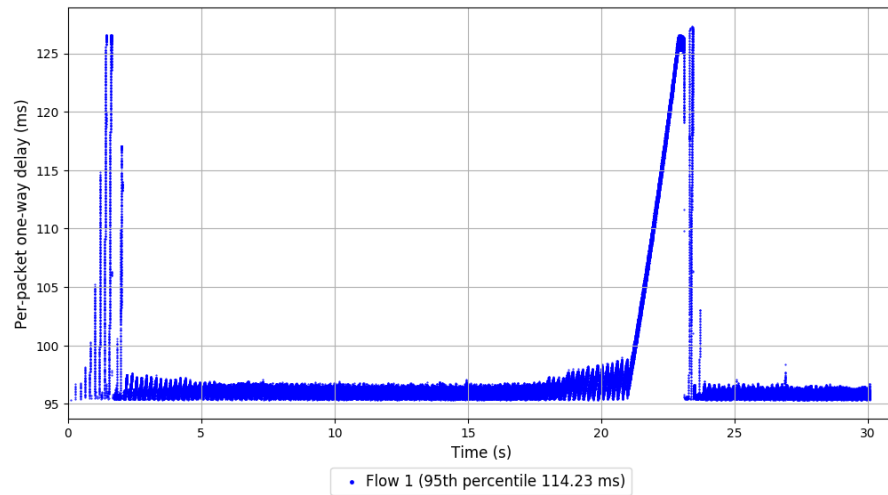
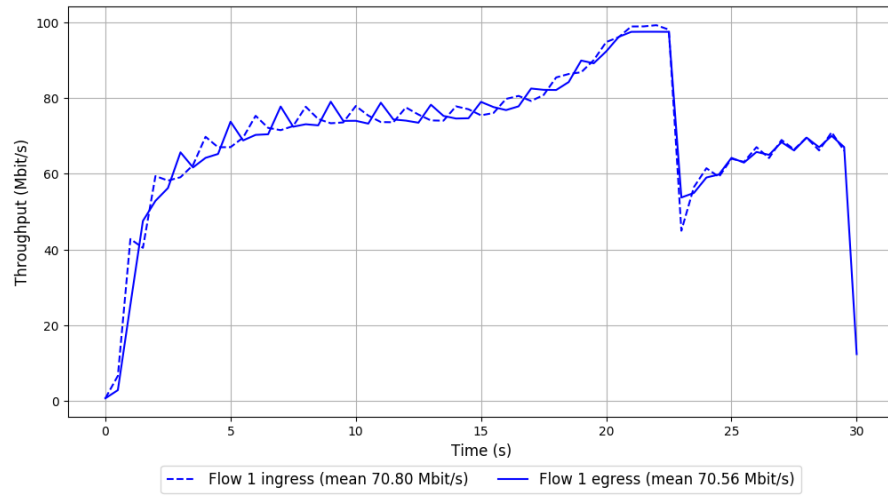
-- Flow 1:

Average throughput: 70.56 Mbit/s

95th percentile per-packet one-way delay: 114.227 ms

Loss rate: 0.33%

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



Run 6: Statistics of TCP Cubic

Start at: 2018-04-10 14:43:56

End at: 2018-04-10 14:44:26

Local clock offset: -5.936 ms

Remote clock offset: 3.545 ms

# Below is generated by plot.py at 2018-04-10 16:54:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.87 Mbit/s

95th percentile per-packet one-way delay: 114.859 ms

Loss rate: 0.28%

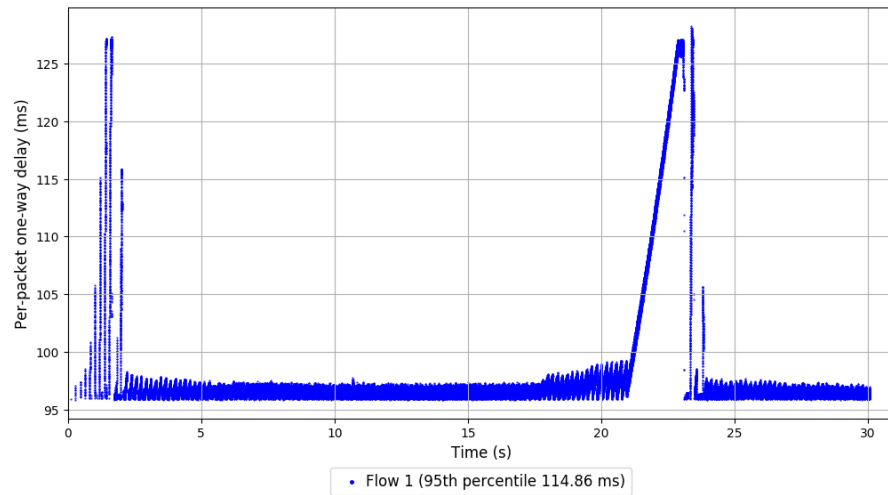
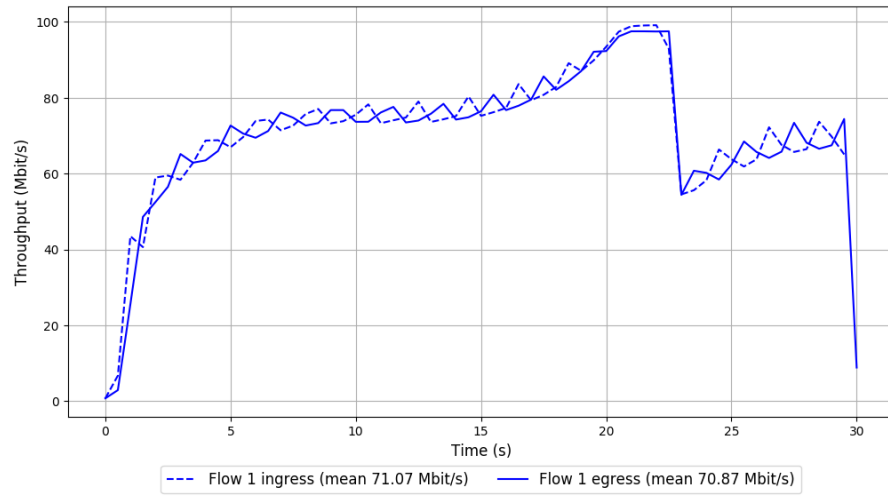
-- Flow 1:

Average throughput: 70.87 Mbit/s

95th percentile per-packet one-way delay: 114.859 ms

Loss rate: 0.28%

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



Run 7: Statistics of TCP Cubic

Start at: 2018-04-10 15:06:09

End at: 2018-04-10 15:06:39

Local clock offset: -6.447 ms

Remote clock offset: 7.672 ms

# Below is generated by plot.py at 2018-04-10 16:54:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.22 Mbit/s

95th percentile per-packet one-way delay: 123.193 ms

Loss rate: 0.77%

-- Flow 1:

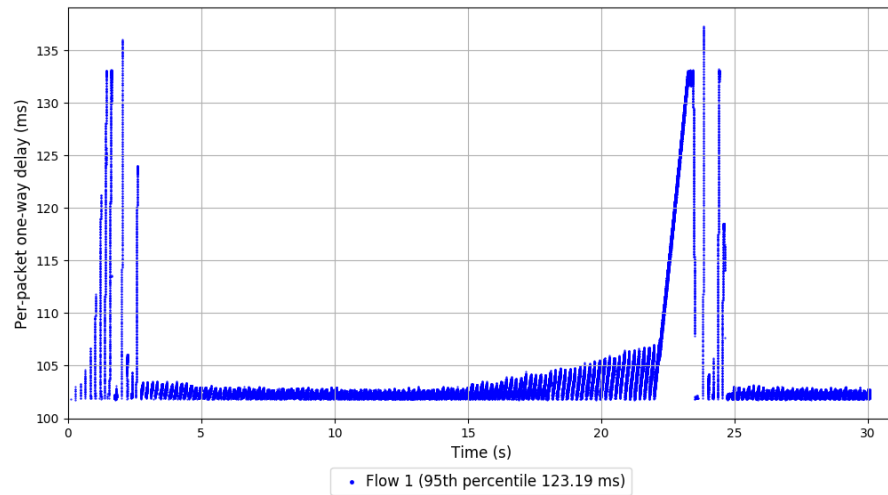
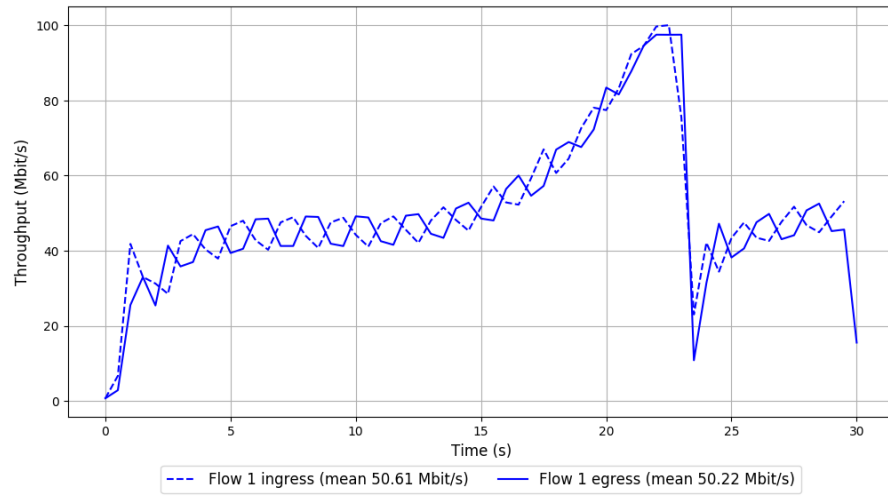
Average throughput: 50.22 Mbit/s

95th percentile per-packet one-way delay: 123.193 ms

Loss rate: 0.77%



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



Run 8: Statistics of TCP Cubic

Start at: 2018-04-10 15:28:46

End at: 2018-04-10 15:29:16

Local clock offset: -6.659 ms

Remote clock offset: 2.74 ms

# Below is generated by plot.py at 2018-04-10 16:55:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.00 Mbit/s

95th percentile per-packet one-way delay: 115.678 ms

Loss rate: 0.33%

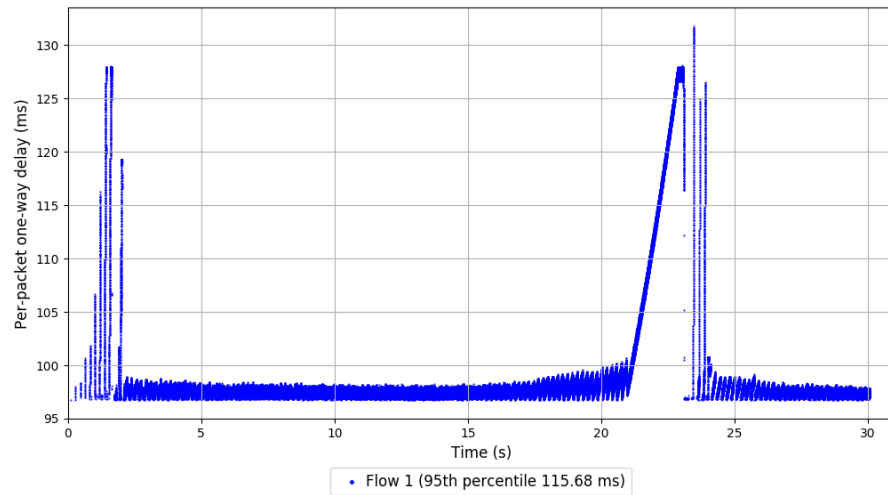
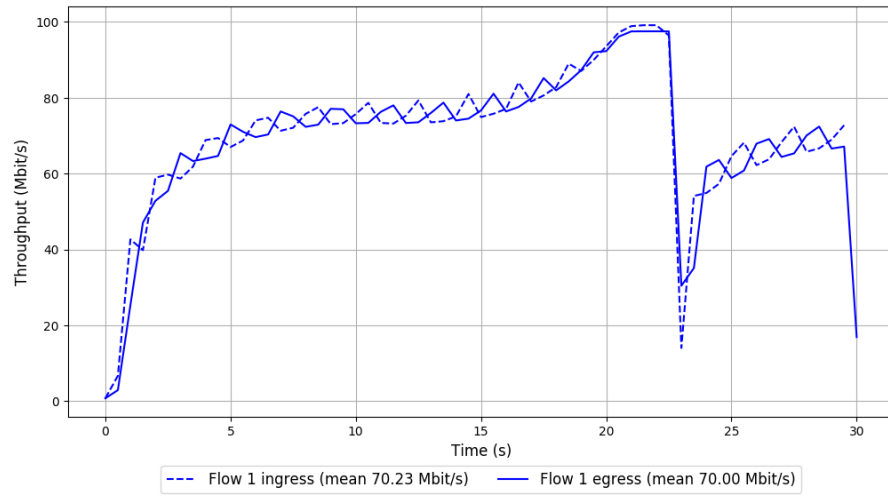
-- Flow 1:

Average throughput: 70.00 Mbit/s

95th percentile per-packet one-way delay: 115.678 ms

Loss rate: 0.33%

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



Run 9: Statistics of TCP Cubic

Start at: 2018-04-10 15:51:13

End at: 2018-04-10 15:51:43

Local clock offset: -6.796 ms

Remote clock offset: 2.826 ms

# Below is generated by plot.py at 2018-04-10 16:55:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.73 Mbit/s

95th percentile per-packet one-way delay: 115.435 ms

Loss rate: 0.38%

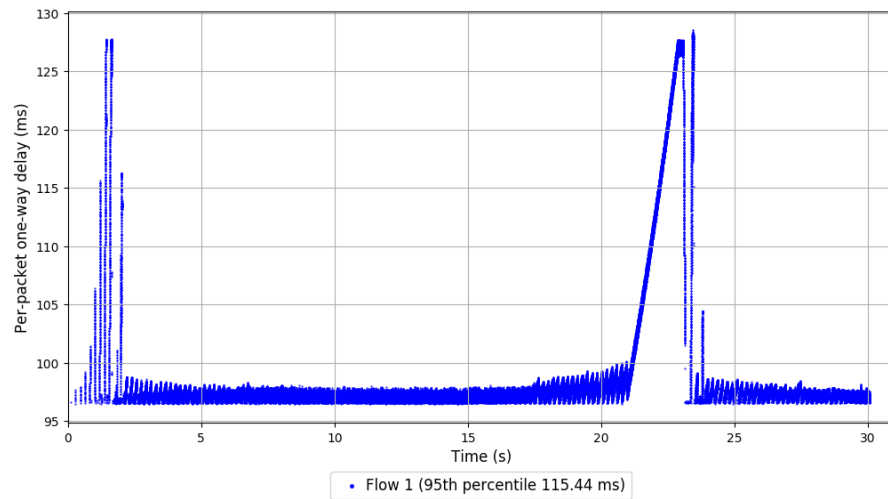
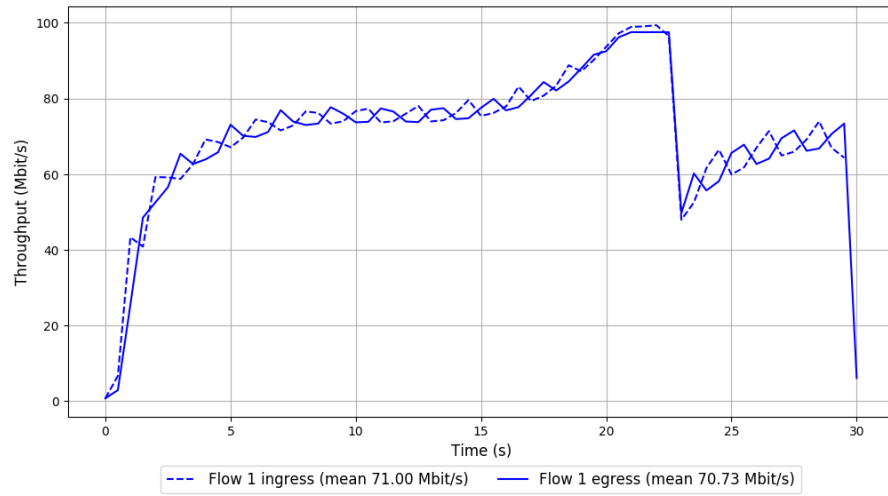
-- Flow 1:

Average throughput: 70.73 Mbit/s

95th percentile per-packet one-way delay: 115.435 ms

Loss rate: 0.38%

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



Run 10: Statistics of TCP Cubic

Start at: 2018-04-10 16:13:41

End at: 2018-04-10 16:14:11

Local clock offset: -5.247 ms

Remote clock offset: 9.134 ms

# Below is generated by plot.py at 2018-04-10 16:55:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.12 Mbit/s

95th percentile per-packet one-way delay: 121.810 ms

Loss rate: 0.38%

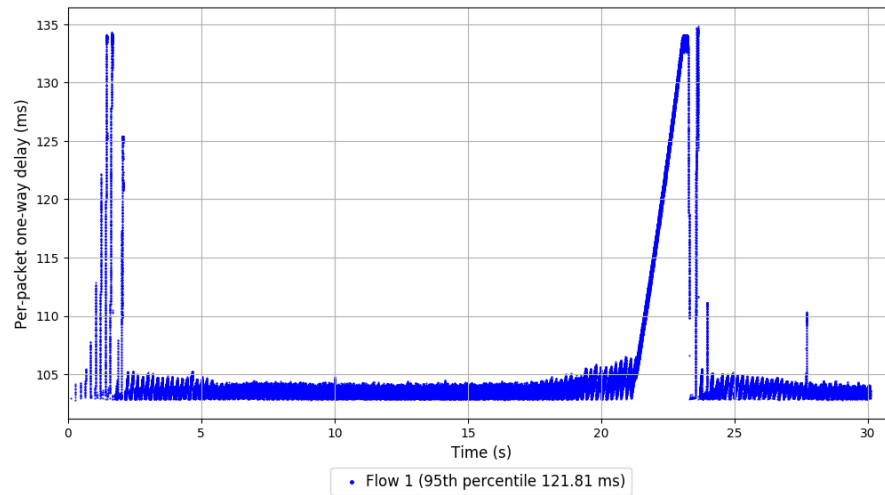
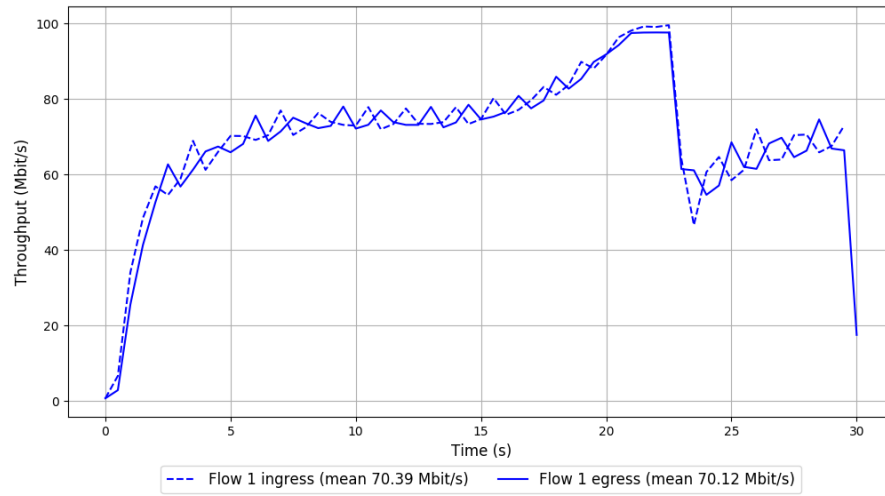
-- Flow 1:

Average throughput: 70.12 Mbit/s

95th percentile per-packet one-way delay: 121.810 ms

Loss rate: 0.38%

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



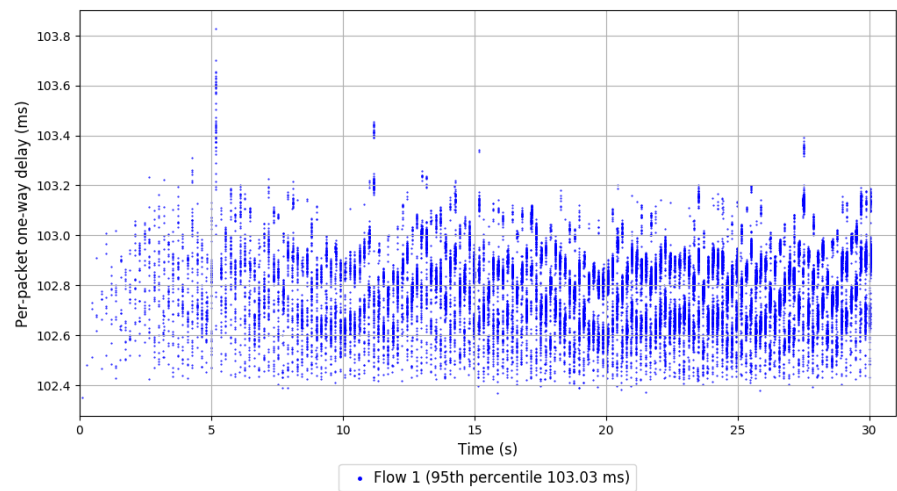
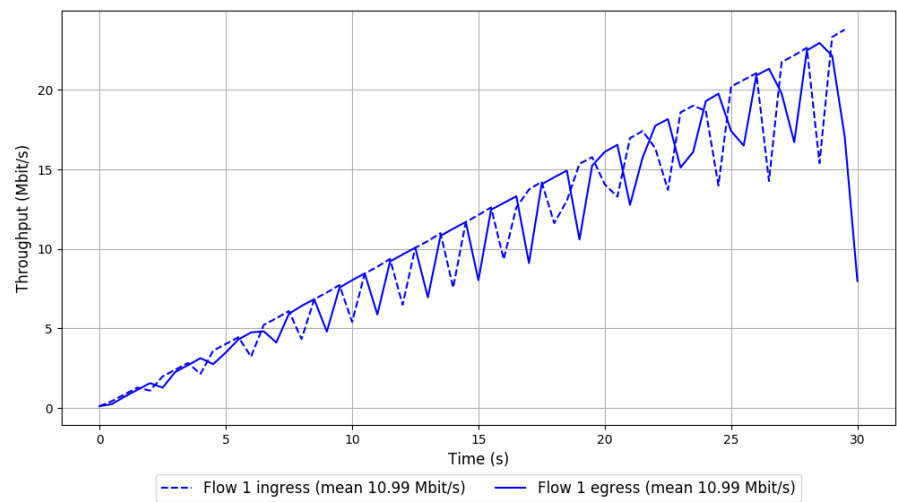
```
Run 1: Statistics of LEDBAT

Start at: 2018-04-10 12:59:14
End at: 2018-04-10 12:59:44
Local clock offset: -5.212 ms
Remote clock offset: 6.153 ms

# Below is generated by plot.py at 2018-04-10 16:55:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.99 Mbit/s
95th percentile per-packet one-way delay: 103.029 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.99 Mbit/s
95th percentile per-packet one-way delay: 103.029 ms
Loss rate: 0.00%
```



Run 1: Report of LEDBAT — Data Link

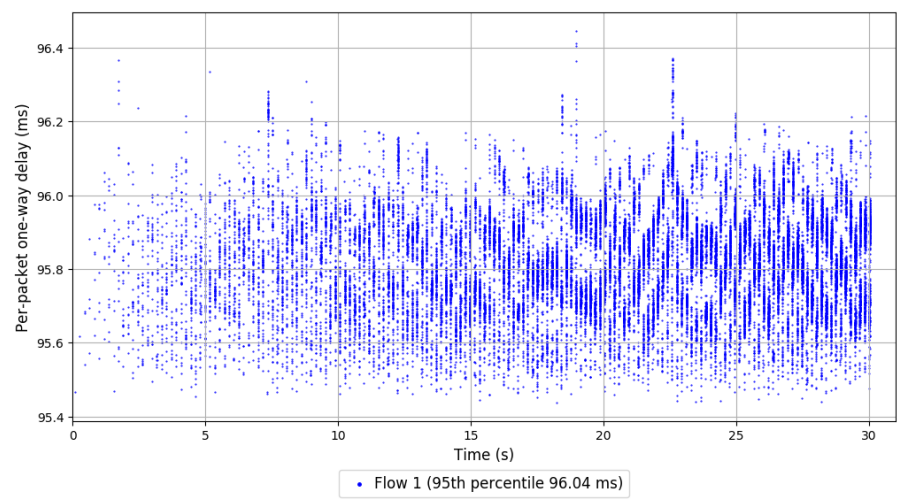
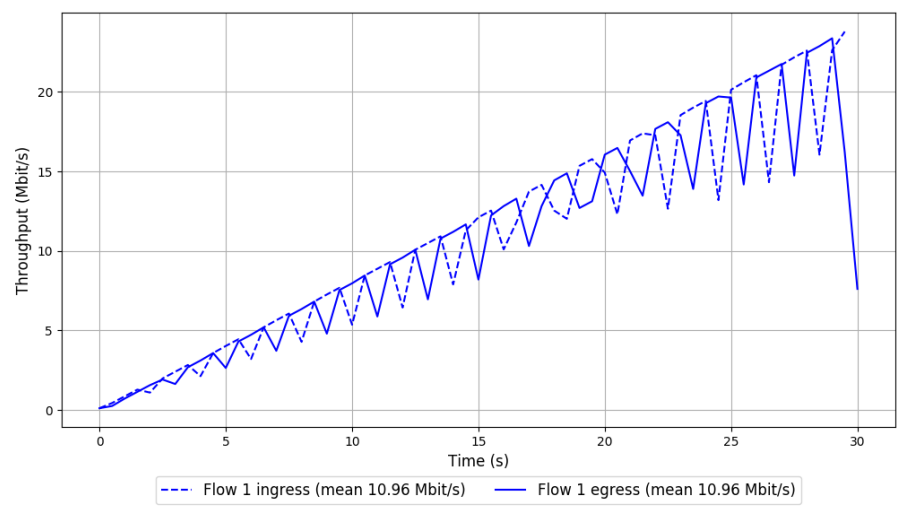


```
Run 2: Statistics of LEDBAT

Start at: 2018-04-10 13:21:38
End at: 2018-04-10 13:22:08
Local clock offset: -5.852 ms
Remote clock offset: 0.927 ms

# Below is generated by plot.py at 2018-04-10 16:55:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 96.041 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.96 Mbit/s
95th percentile per-packet one-way delay: 96.041 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2018-04-10 13:43:53

End at: 2018-04-10 13:44:23

Local clock offset: -5.173 ms

Remote clock offset: 1.87 ms

# Below is generated by plot.py at 2018-04-10 16:55:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 10.61 Mbit/s

95th percentile per-packet one-way delay: 98.854 ms

Loss rate: 0.00%

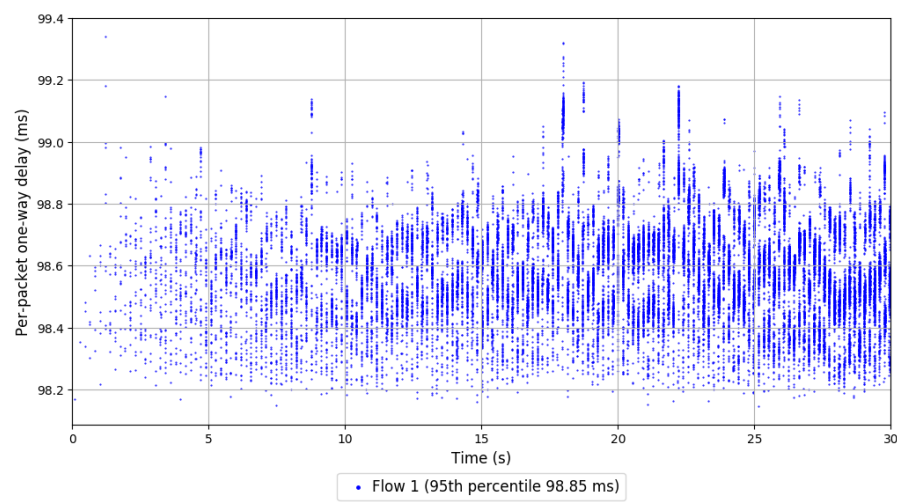
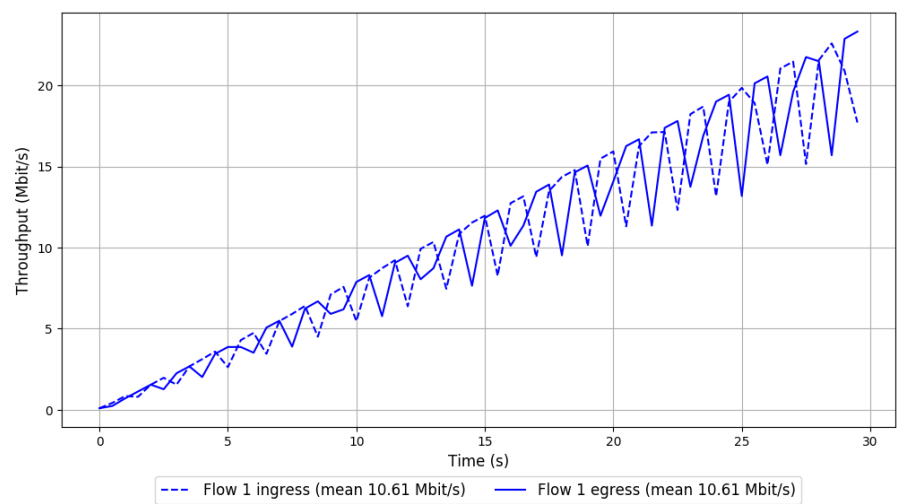
-- Flow 1:

Average throughput: 10.61 Mbit/s

95th percentile per-packet one-way delay: 98.854 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2018-04-10 14:06:21

End at: 2018-04-10 14:06:51

Local clock offset: -6.051 ms

Remote clock offset: 7.229 ms

# Below is generated by plot.py at 2018-04-10 16:55:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.02 Mbit/s

95th percentile per-packet one-way delay: 101.429 ms

Loss rate: 0.00%

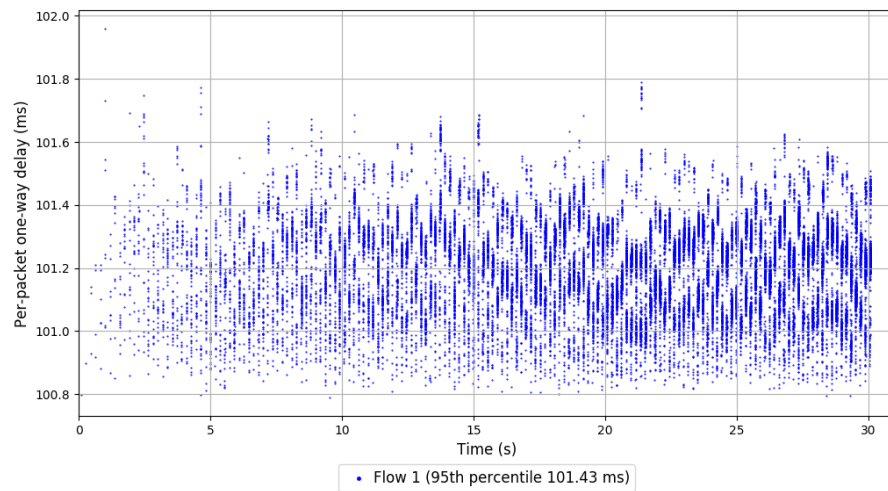
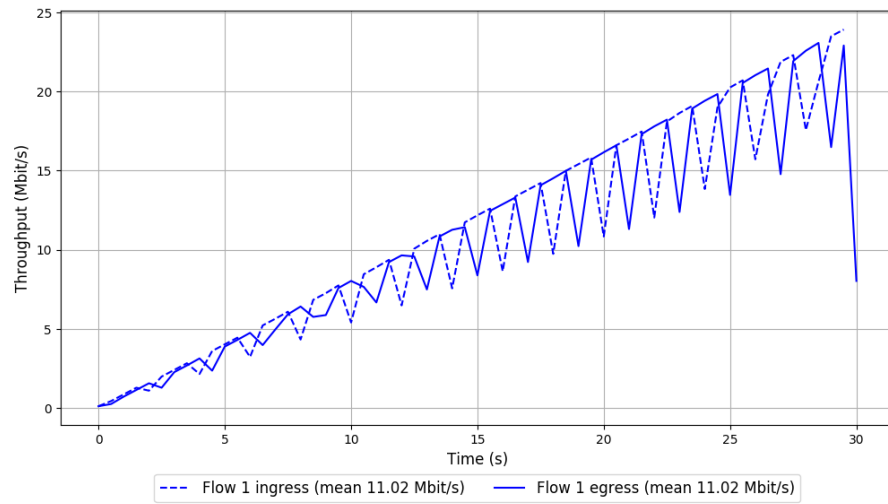
-- Flow 1:

Average throughput: 11.02 Mbit/s

95th percentile per-packet one-way delay: 101.429 ms

Loss rate: 0.00%

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



Run 5: Statistics of LEDBAT

Start at: 2018-04-10 14:28:52

End at: 2018-04-10 14:29:22

Local clock offset: -5.955 ms

Remote clock offset: 2.33 ms

# Below is generated by plot.py at 2018-04-10 16:55:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.18 Mbit/s

95th percentile per-packet one-way delay: 95.899 ms

Loss rate: 0.00%

-- Flow 1:

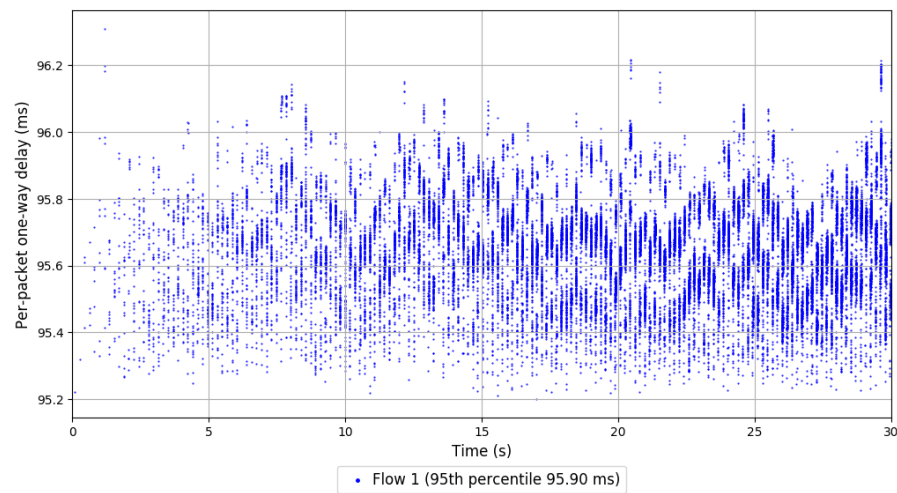
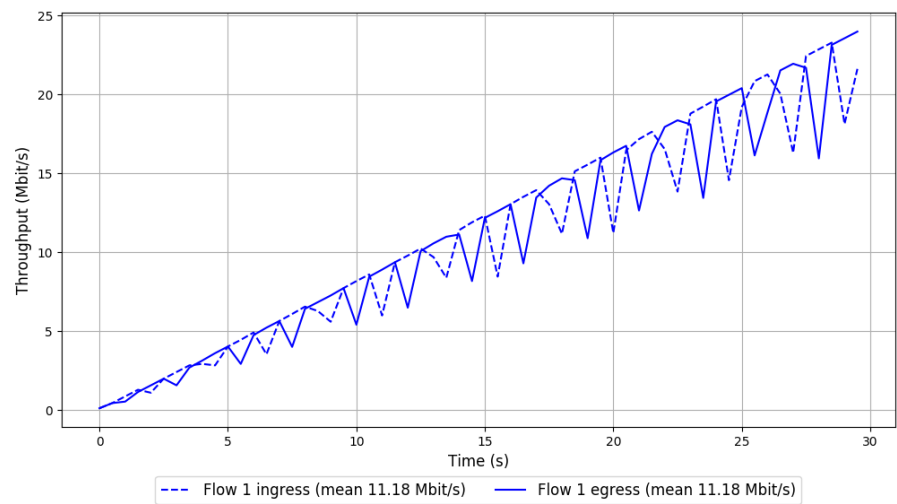
Average throughput: 11.18 Mbit/s

95th percentile per-packet one-way delay: 95.899 ms

Loss rate: 0.00%



Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2018-04-10 14:51:30

End at: 2018-04-10 14:52:00

Local clock offset: -5.722 ms

Remote clock offset: 8.513 ms

# Below is generated by plot.py at 2018-04-10 16:55:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 10.86 Mbit/s

95th percentile per-packet one-way delay: 102.172 ms

Loss rate: 0.00%

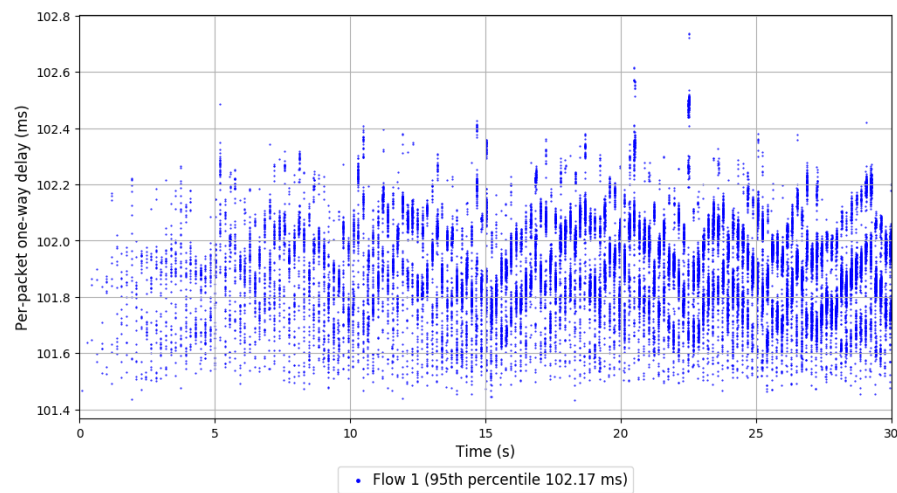
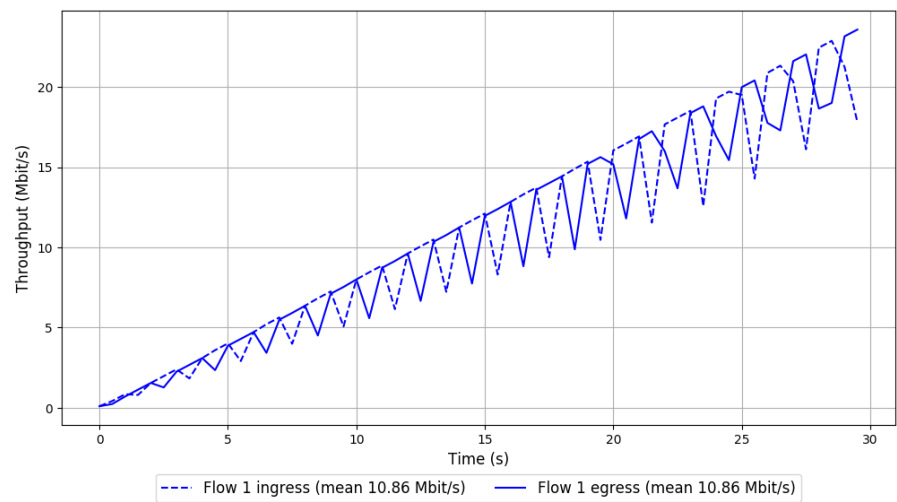
-- Flow 1:

Average throughput: 10.86 Mbit/s

95th percentile per-packet one-way delay: 102.172 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2018-04-10 15:14:00

End at: 2018-04-10 15:14:30

Local clock offset: -5.593 ms

Remote clock offset: 7.576 ms

# Below is generated by plot.py at 2018-04-10 16:55:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 10.65 Mbit/s

95th percentile per-packet one-way delay: 104.259 ms

Loss rate: 0.03%

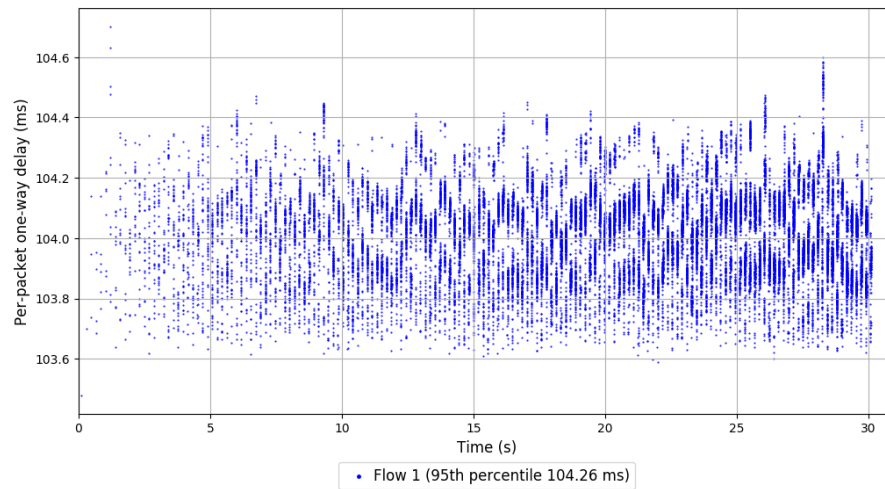
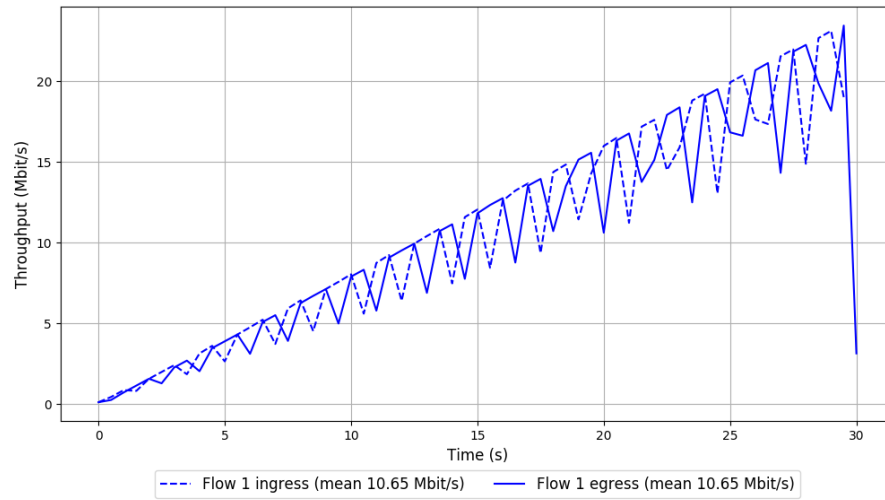
-- Flow 1:

Average throughput: 10.65 Mbit/s

95th percentile per-packet one-way delay: 104.259 ms

Loss rate: 0.03%

## Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2018-04-10 15:36:37

End at: 2018-04-10 15:37:07

Local clock offset: -6.04 ms

Remote clock offset: 7.614 ms

# Below is generated by plot.py at 2018-04-10 16:55:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.04 Mbit/s

95th percentile per-packet one-way delay: 101.338 ms

Loss rate: 0.00%

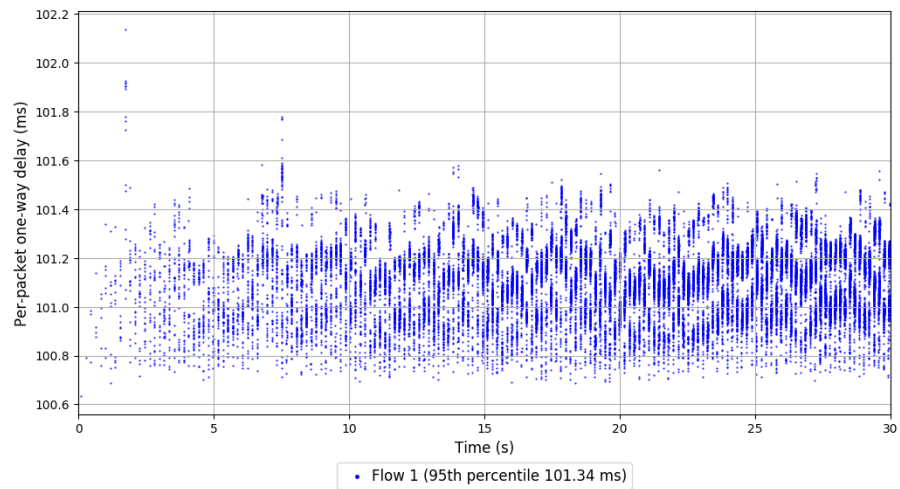
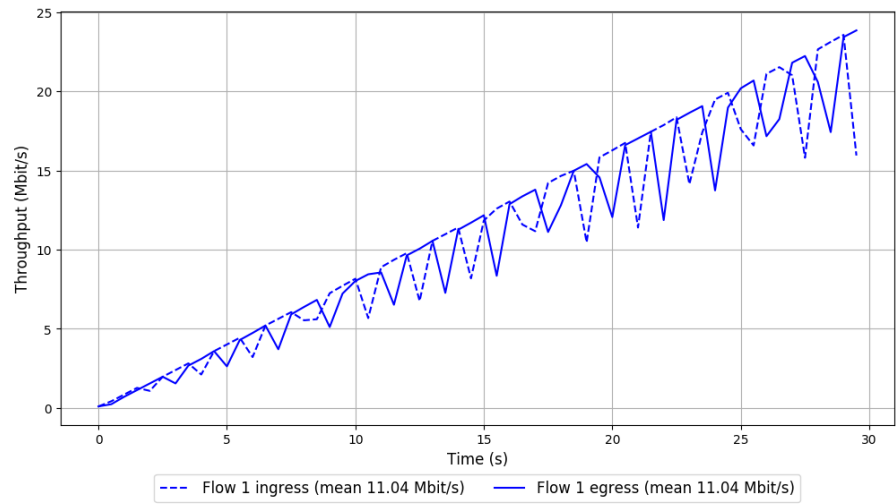
-- Flow 1:

Average throughput: 11.04 Mbit/s

95th percentile per-packet one-way delay: 101.338 ms

Loss rate: 0.00%

## Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2018-04-10 15:59:03

End at: 2018-04-10 15:59:33

Local clock offset: -6.106 ms

Remote clock offset: 2.874 ms

# Below is generated by plot.py at 2018-04-10 16:55:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 10.07 Mbit/s

95th percentile per-packet one-way delay: 104.639 ms

Loss rate: 0.00%

-- Flow 1:

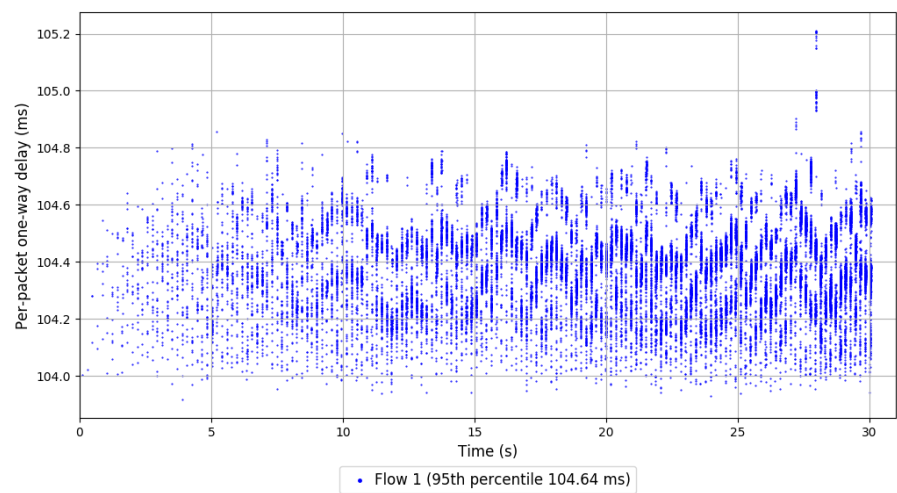
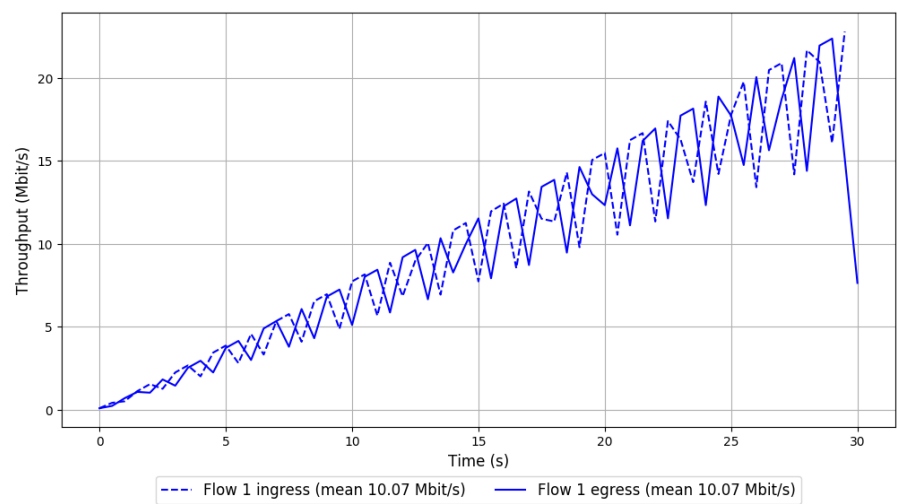
Average throughput: 10.07 Mbit/s

95th percentile per-packet one-way delay: 104.639 ms

Loss rate: 0.00%



Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2018-04-10 16:21:18

End at: 2018-04-10 16:21:48

Local clock offset: -5.995 ms

Remote clock offset: 9.543 ms

# Below is generated by plot.py at 2018-04-10 16:55:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 10.70 Mbit/s

95th percentile per-packet one-way delay: 104.317 ms

Loss rate: 0.00%

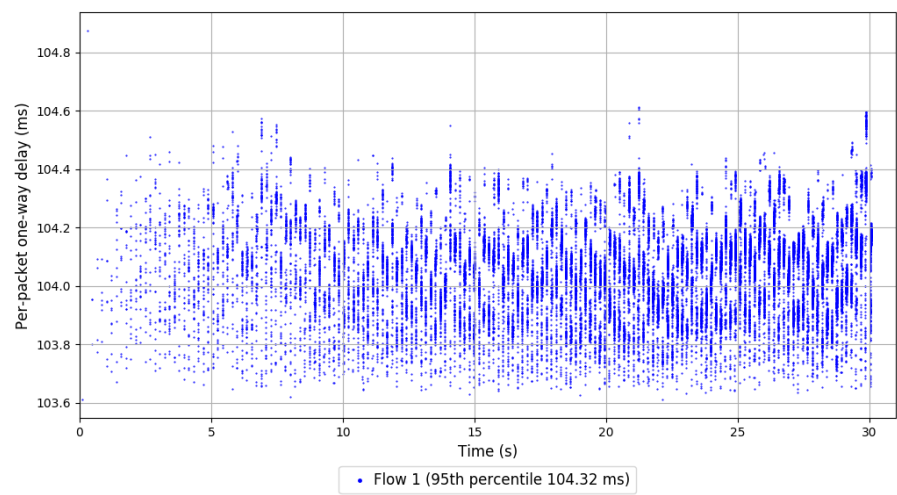
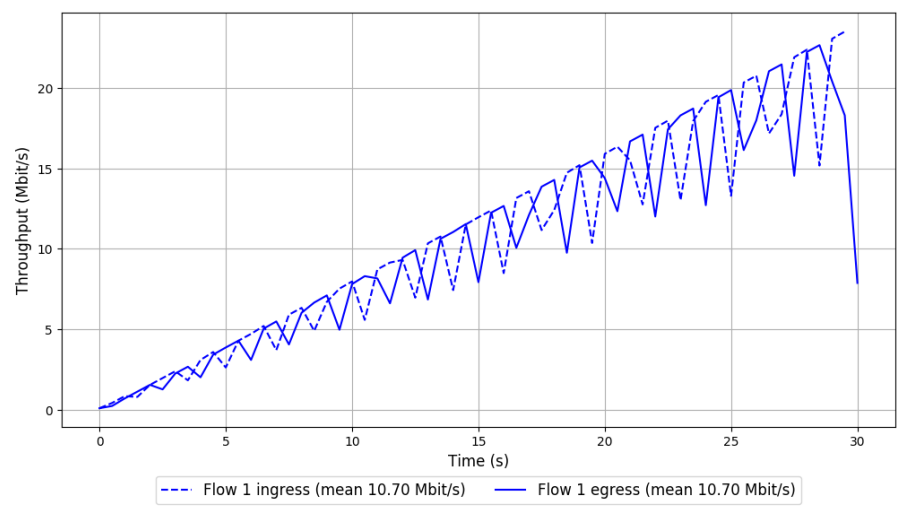
-- Flow 1:

Average throughput: 10.70 Mbit/s

95th percentile per-packet one-way delay: 104.317 ms

Loss rate: 0.00%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: 2018-04-10 12:56:44

End at: 2018-04-10 12:57:14

Local clock offset: -5.962 ms

Remote clock offset: 6.044 ms

# Below is generated by plot.py at 2018-04-10 16:55:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.65 Mbit/s

95th percentile per-packet one-way delay: 119.884 ms

Loss rate: 1.54%

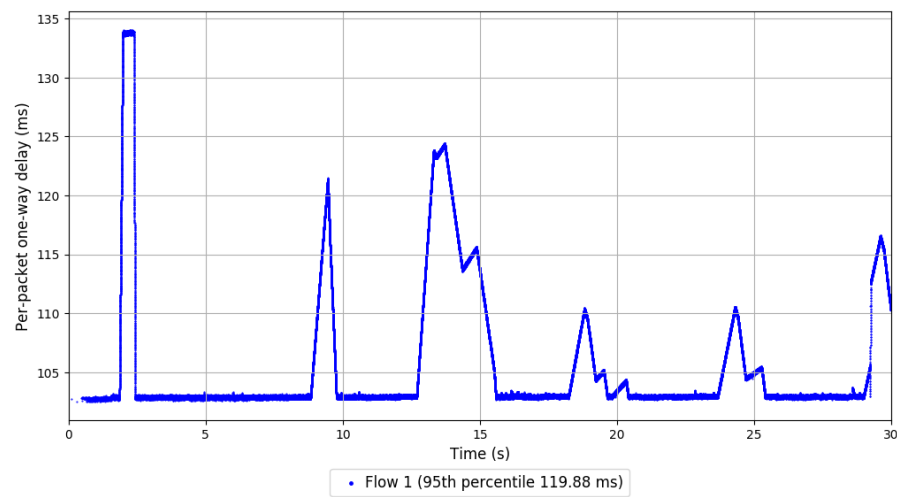
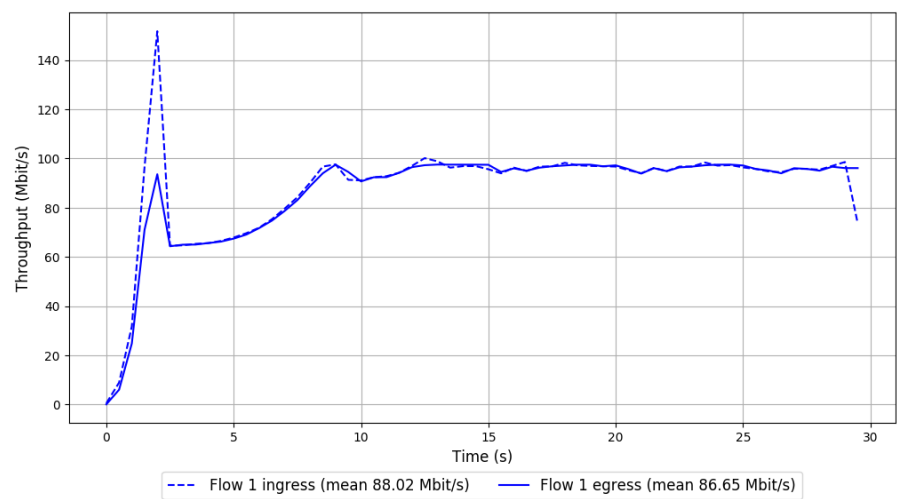
-- Flow 1:

Average throughput: 86.65 Mbit/s

95th percentile per-packet one-way delay: 119.884 ms

Loss rate: 1.54%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2018-04-10 13:19:09

End at: 2018-04-10 13:19:39

Local clock offset: -5.03 ms

Remote clock offset: 0.87 ms

# Below is generated by plot.py at 2018-04-10 16:55:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.74 Mbit/s

95th percentile per-packet one-way delay: 102.299 ms

Loss rate: 1.54%

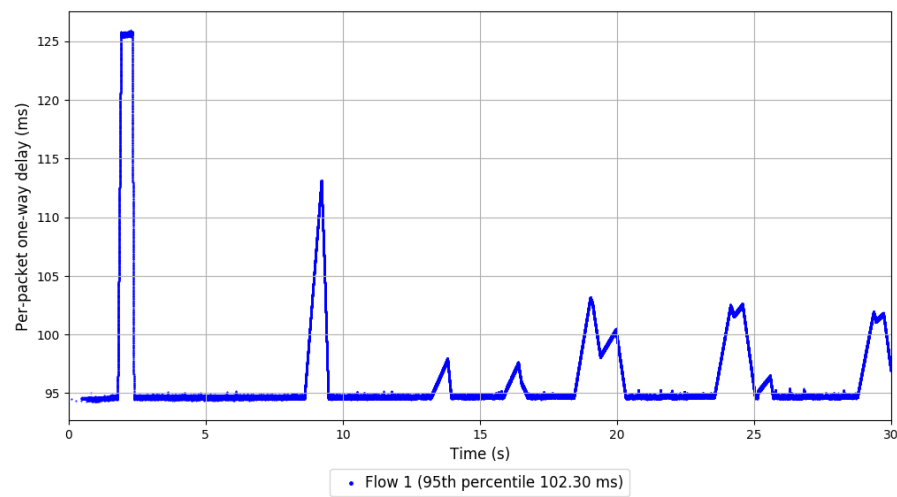
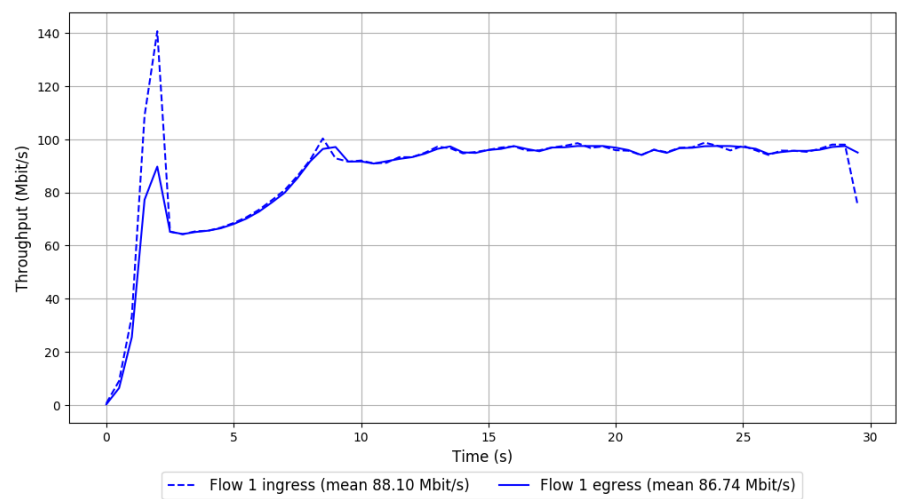
-- Flow 1:

Average throughput: 86.74 Mbit/s

95th percentile per-packet one-way delay: 102.299 ms

Loss rate: 1.54%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2018-04-10 13:41:22

End at: 2018-04-10 13:41:52

Local clock offset: -5.872 ms

Remote clock offset: 6.713 ms

# Below is generated by plot.py at 2018-04-10 16:55:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.67 Mbit/s

95th percentile per-packet one-way delay: 111.454 ms

Loss rate: 1.51%

-- Flow 1:

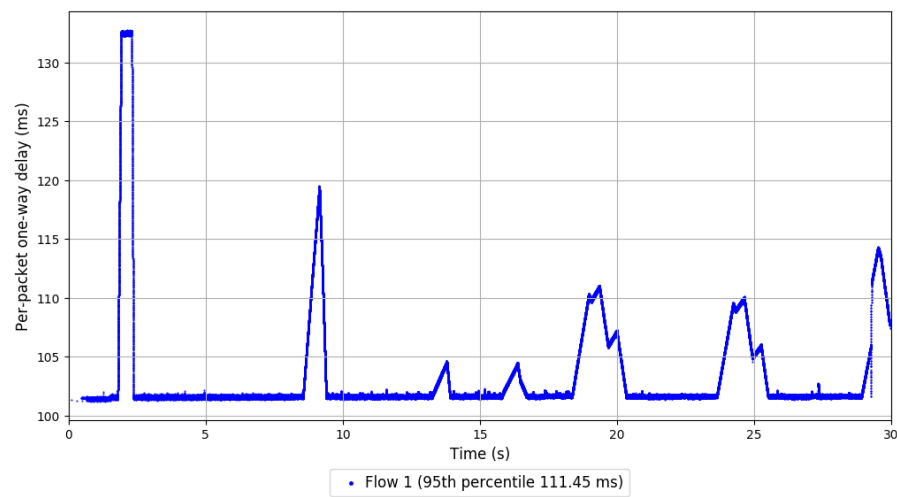
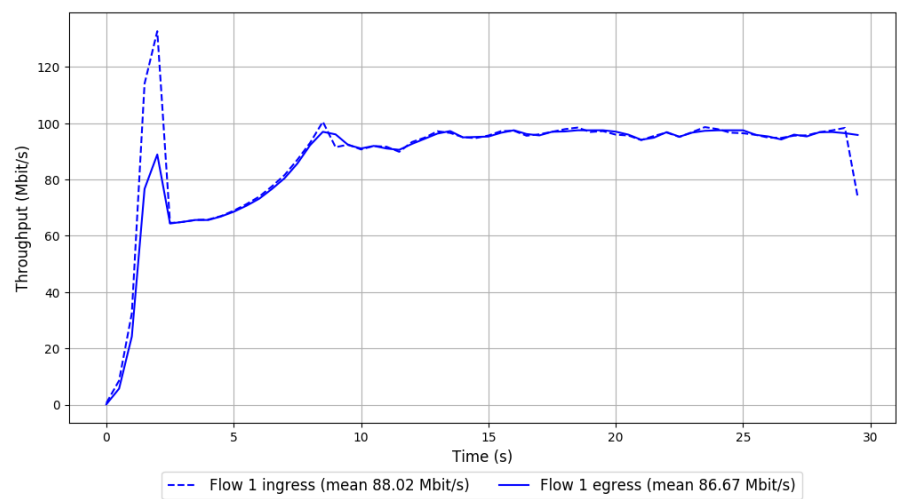
Average throughput: 86.67 Mbit/s

95th percentile per-packet one-way delay: 111.454 ms

Loss rate: 1.51%



Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2018-04-10 14:03:51

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

Local clock offset: -6.082 ms

Remote clock offset: 2.352 ms

# Below is generated by plot.py at 2018-04-10 16:55:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.82 Mbit/s

95th percentile per-packet one-way delay: 112.818 ms

Loss rate: 1.53%

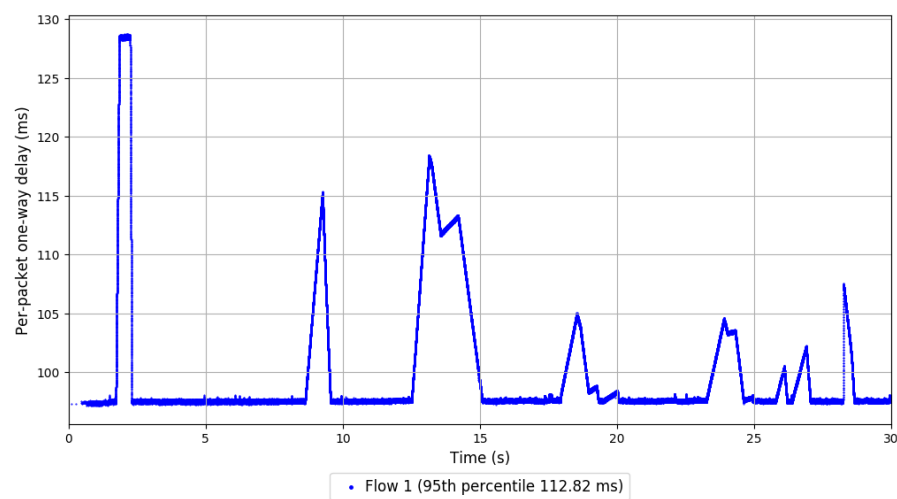
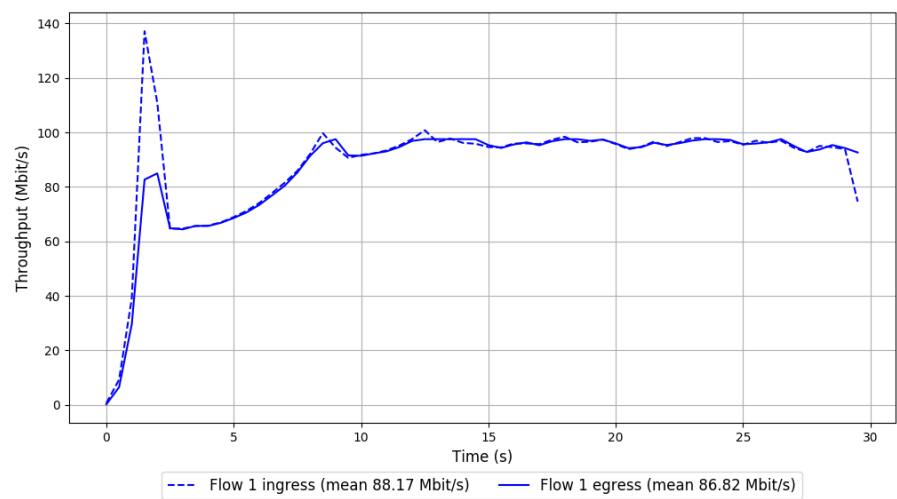
-- Flow 1:

Average throughput: 86.82 Mbit/s

95th percentile per-packet one-way delay: 112.818 ms

Loss rate: 1.53%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2018-04-10 14:26:21

End at: 2018-04-10 14:26:51

Local clock offset: -6.659 ms

Remote clock offset: 7.845 ms

# Below is generated by plot.py at 2018-04-10 16:55:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.80 Mbit/s

95th percentile per-packet one-way delay: 121.447 ms

Loss rate: 1.58%

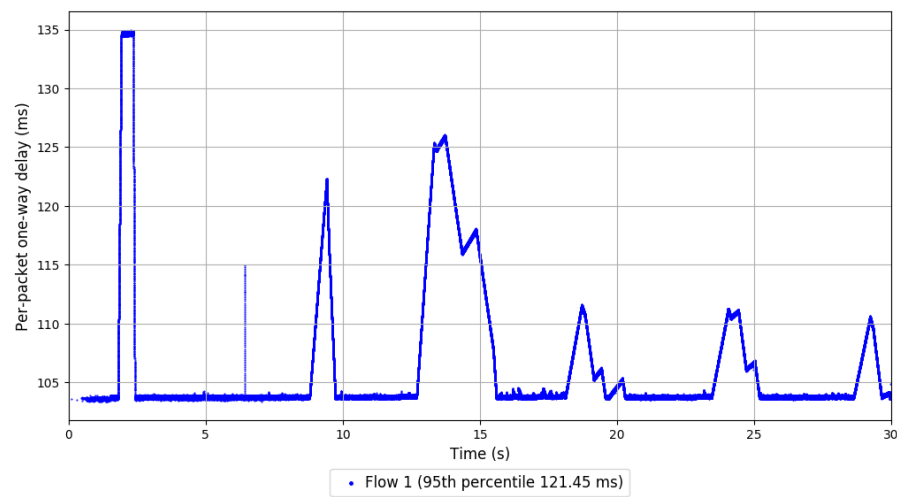
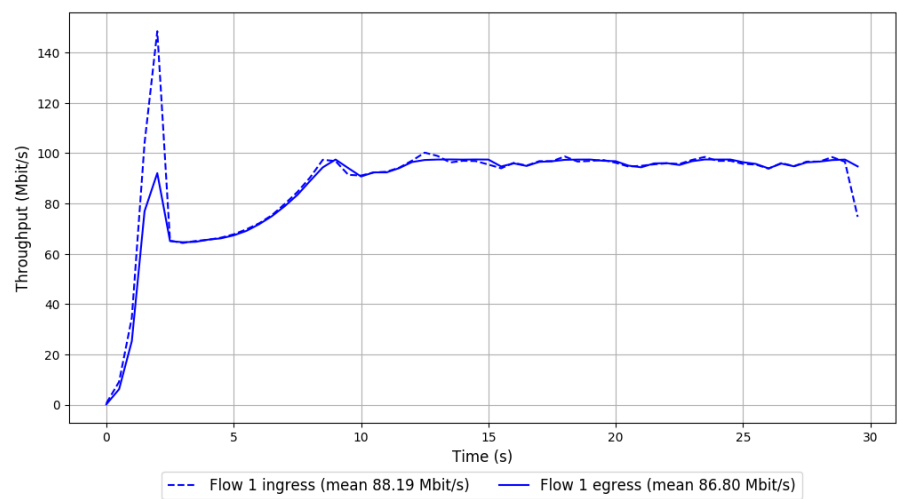
-- Flow 1:

Average throughput: 86.80 Mbit/s

95th percentile per-packet one-way delay: 121.447 ms

Loss rate: 1.58%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2018-04-10 14:49:00

End at: 2018-04-10 14:49:30

Local clock offset: -5.793 ms

Remote clock offset: 8.527 ms

# Below is generated by plot.py at 2018-04-10 16:56:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.88 Mbit/s

95th percentile per-packet one-way delay: 117.913 ms

Loss rate: 1.59%

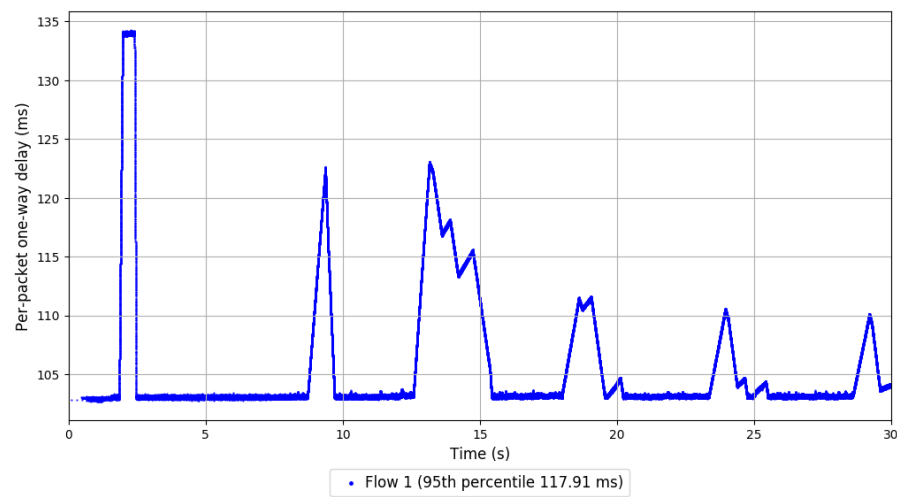
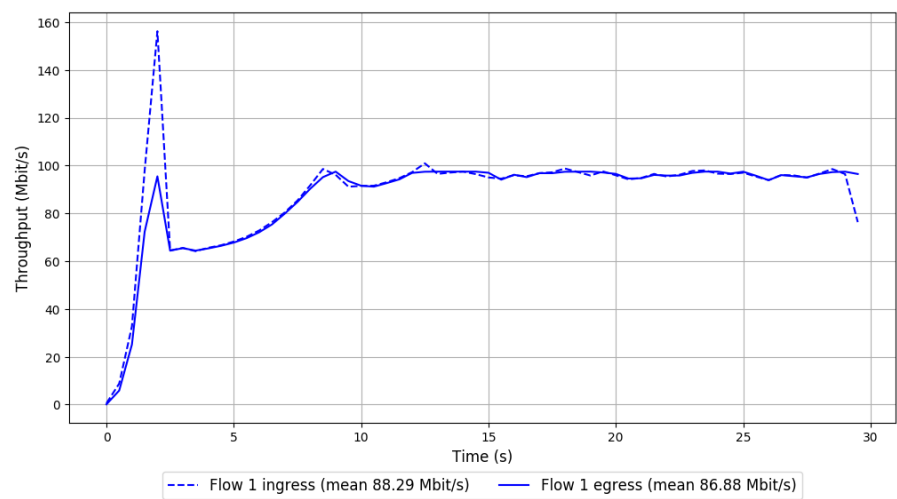
-- Flow 1:

Average throughput: 86.88 Mbit/s

95th percentile per-packet one-way delay: 117.913 ms

Loss rate: 1.59%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2018-04-10 15:11:30

End at: 2018-04-10 15:12:00

Local clock offset: -5.656 ms

Remote clock offset: 7.588 ms

# Below is generated by plot.py at 2018-04-10 16:56:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.36 Mbit/s

95th percentile per-packet one-way delay: 121.448 ms

Loss rate: 1.60%

-- Flow 1:

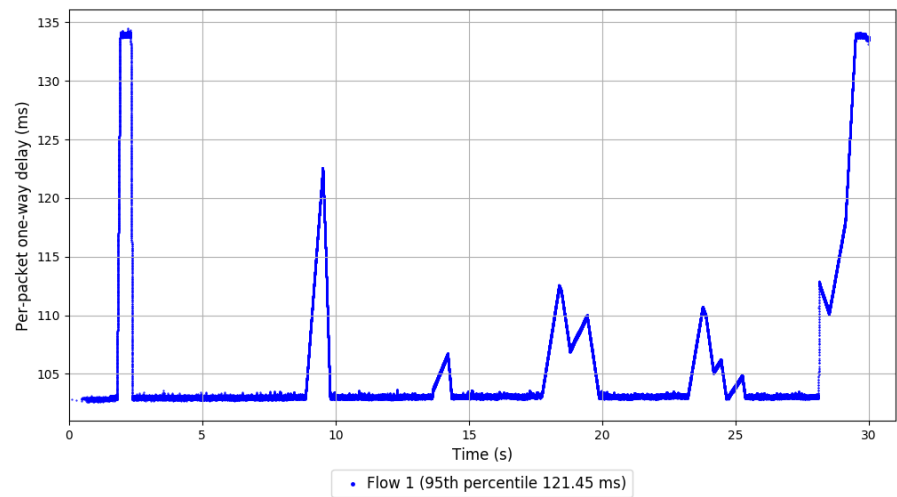
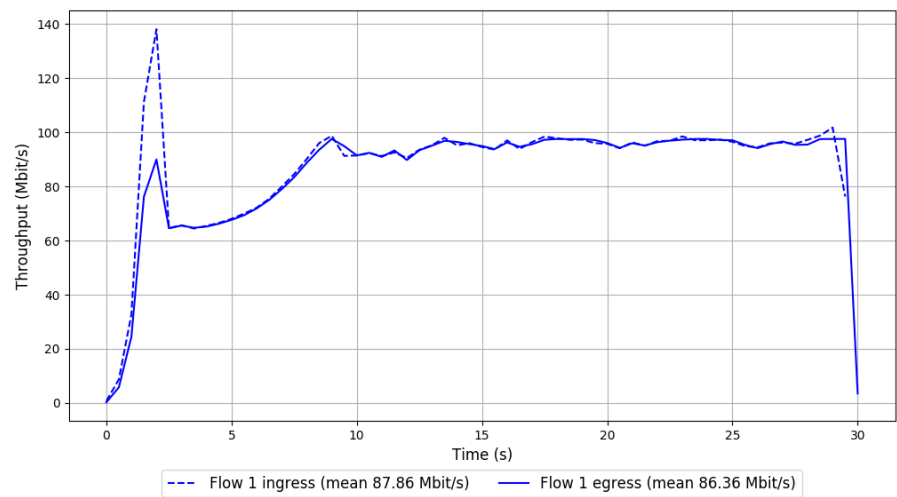
Average throughput: 86.36 Mbit/s

95th percentile per-packet one-way delay: 121.448 ms

Loss rate: 1.60%



Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2018-04-10 15:34:07

End at: 2018-04-10 15:34:37

Local clock offset: -6.05 ms

Remote clock offset: 7.551 ms

# Below is generated by plot.py at 2018-04-10 16:56:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 119.165 ms

Loss rate: 1.54%

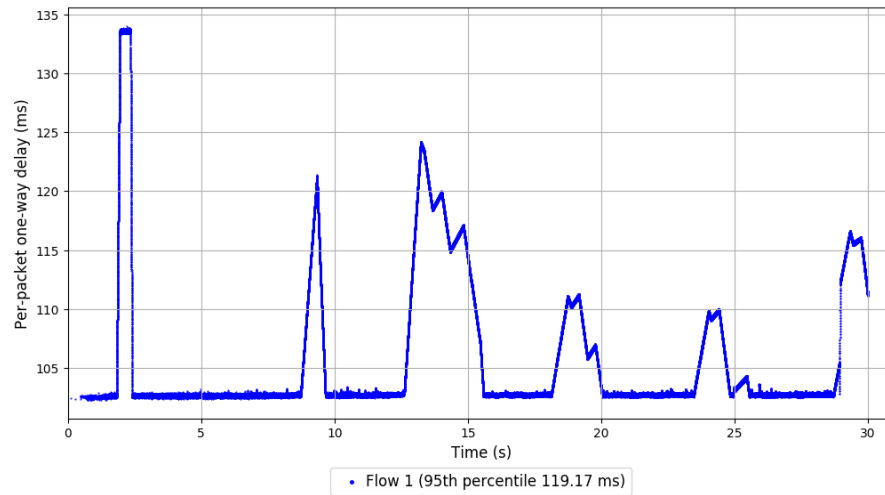
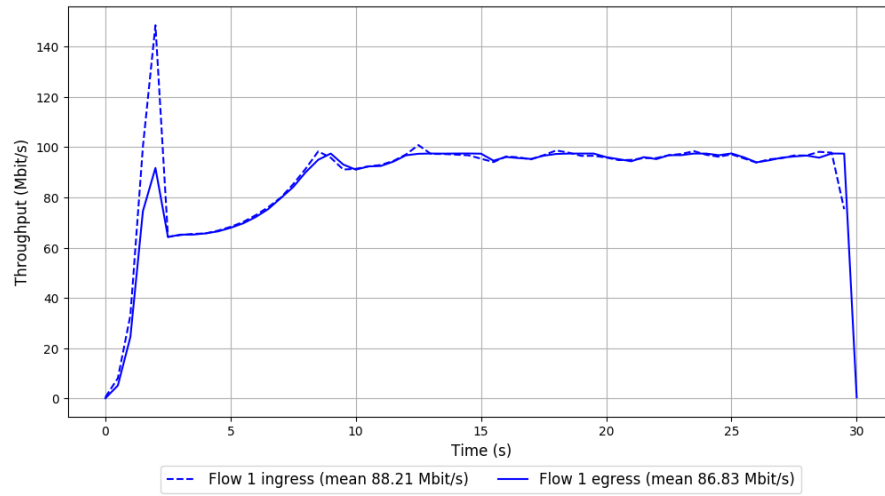
-- Flow 1:

Average throughput: 86.83 Mbit/s

95th percentile per-packet one-way delay: 119.165 ms

Loss rate: 1.54%

## Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2018-04-10 15:56:32

End at: 2018-04-10 15:57:02

Local clock offset: -6.796 ms

Remote clock offset: 7.694 ms

# Below is generated by plot.py at 2018-04-10 16:57:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.36 Mbit/s

95th percentile per-packet one-way delay: 110.338 ms

Loss rate: 1.56%

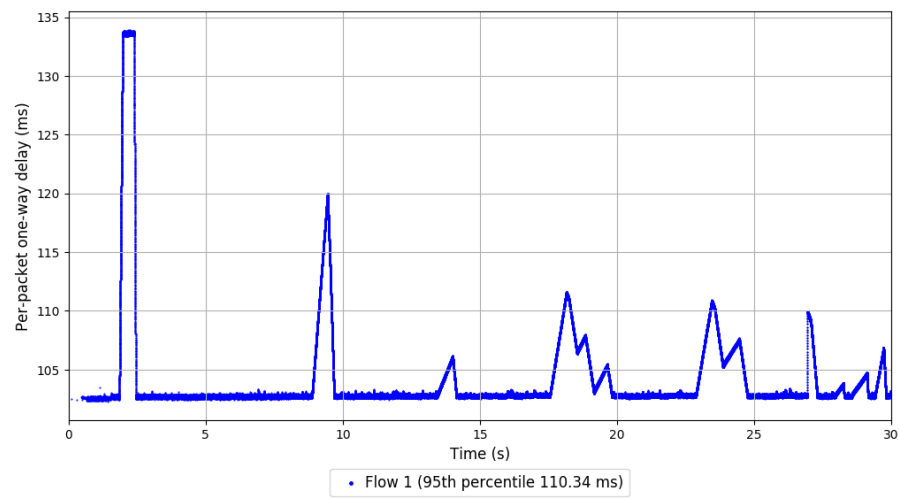
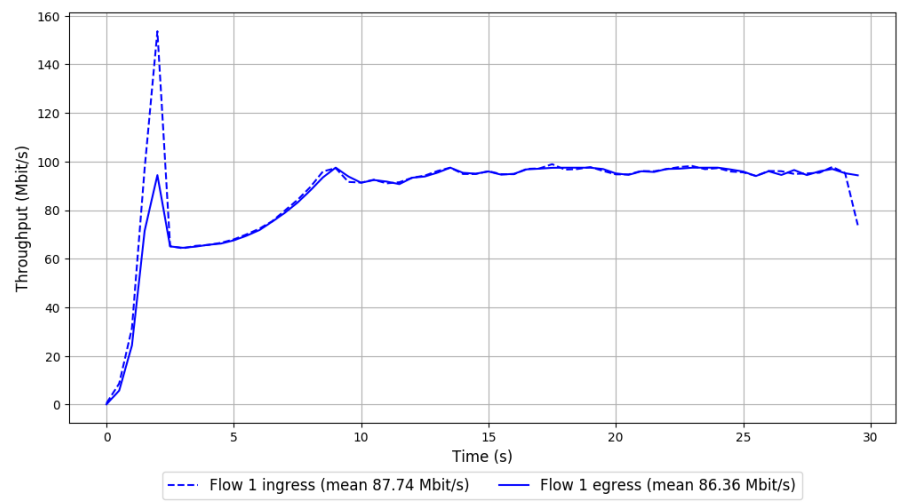
-- Flow 1:

Average throughput: 86.36 Mbit/s

95th percentile per-packet one-way delay: 110.338 ms

Loss rate: 1.56%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2018-04-10 16:18:47

End at: 2018-04-10 16:19:17

Local clock offset: -5.978 ms

Remote clock offset: 4.574 ms

# Below is generated by plot.py at 2018-04-10 16:57:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.71 Mbit/s

95th percentile per-packet one-way delay: 113.057 ms

Loss rate: 1.54%

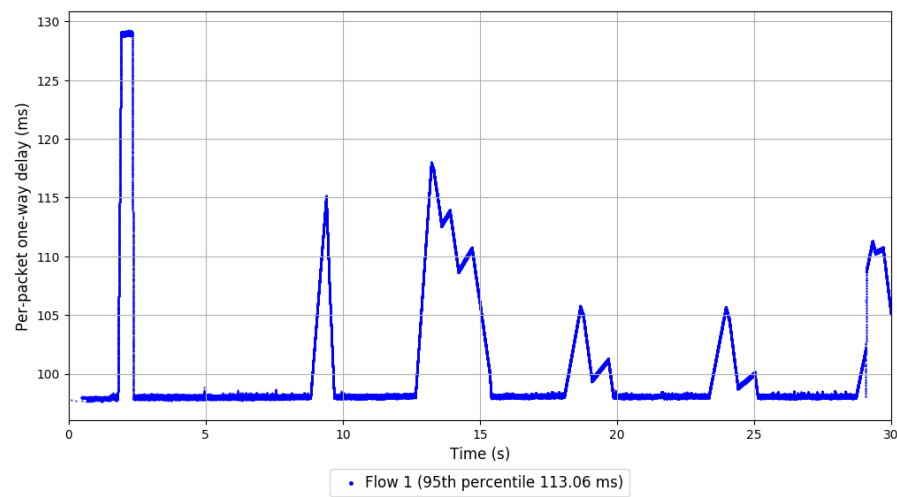
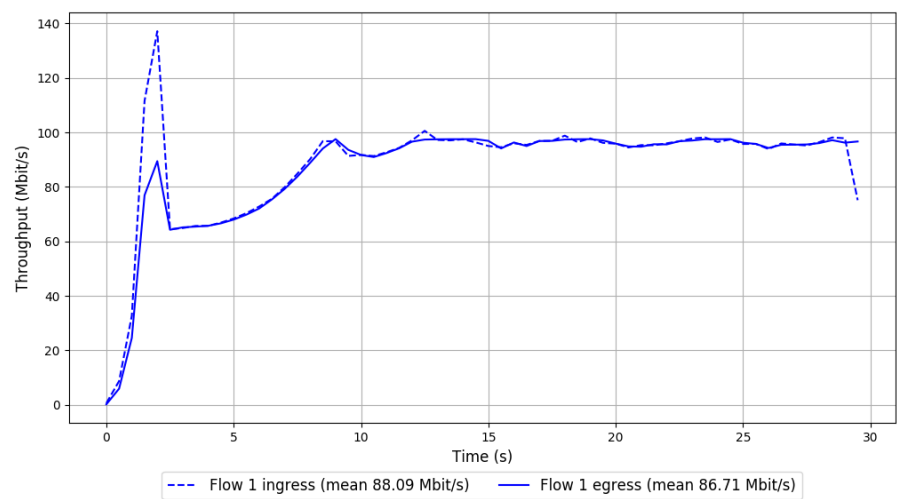
-- Flow 1:

Average throughput: 86.71 Mbit/s

95th percentile per-packet one-way delay: 113.057 ms

Loss rate: 1.54%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-04-10 13:01:41

End at: 2018-04-10 13:02:11

Local clock offset: -5.243 ms

Remote clock offset: 6.167 ms

# Below is generated by plot.py at 2018-04-10 16:57:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.13 Mbit/s

95th percentile per-packet one-way delay: 100.732 ms

Loss rate: 0.12%

-- Flow 1:

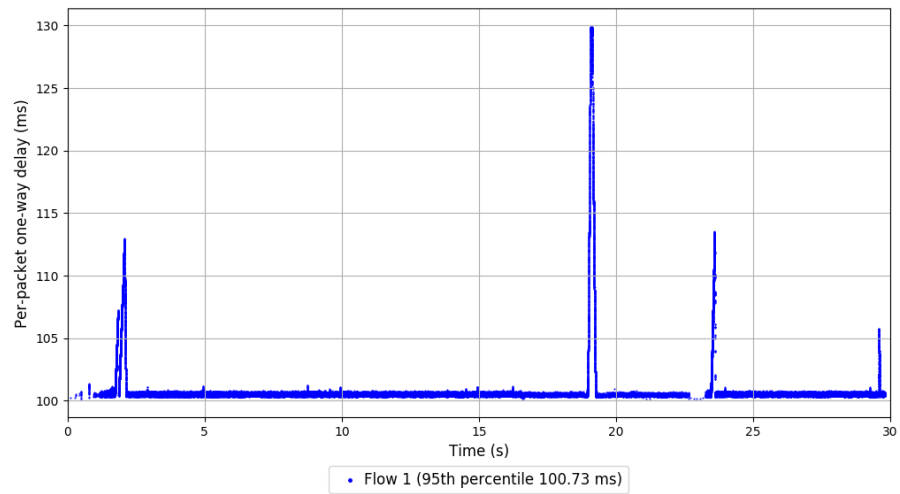
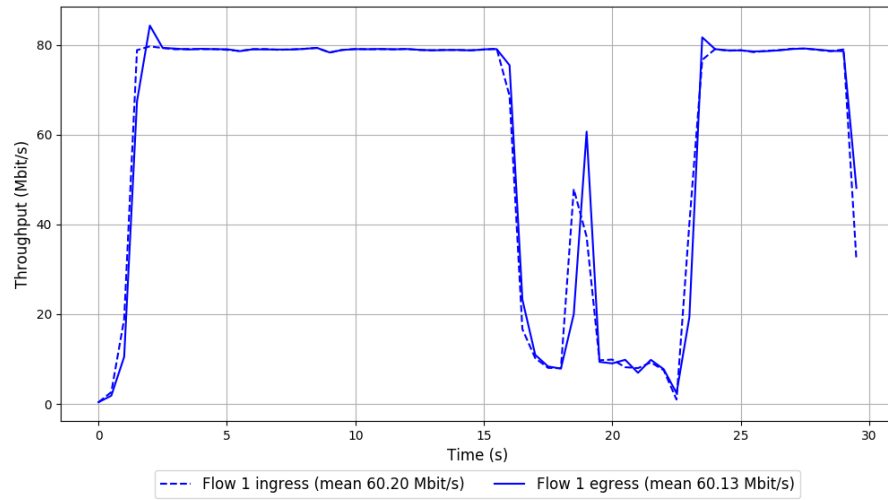
Average throughput: 60.13 Mbit/s

95th percentile per-packet one-way delay: 100.732 ms

Loss rate: 0.12%



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



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-10 13:24:05

End at: 2018-04-10 13:24:35

Local clock offset: -5.015 ms

Remote clock offset: 0.904 ms

# Below is generated by plot.py at 2018-04-10 16:57:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 57.67 Mbit/s

95th percentile per-packet one-way delay: 95.641 ms

Loss rate: 0.10%

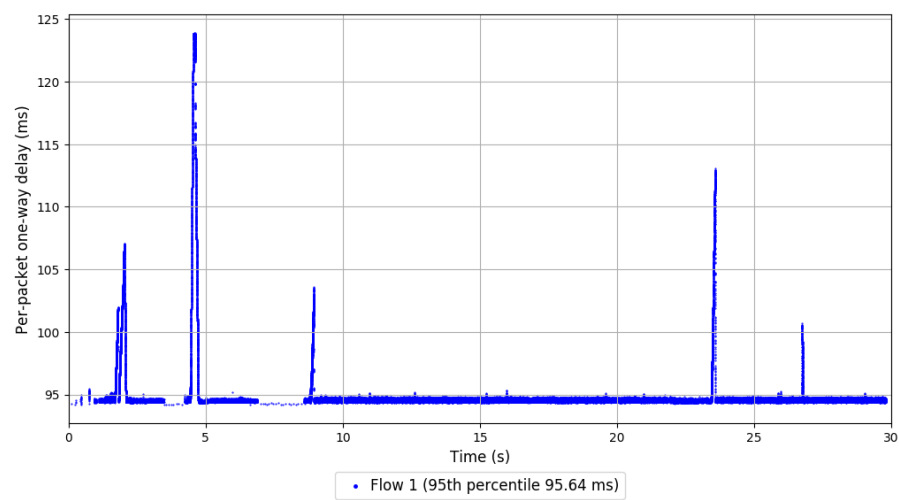
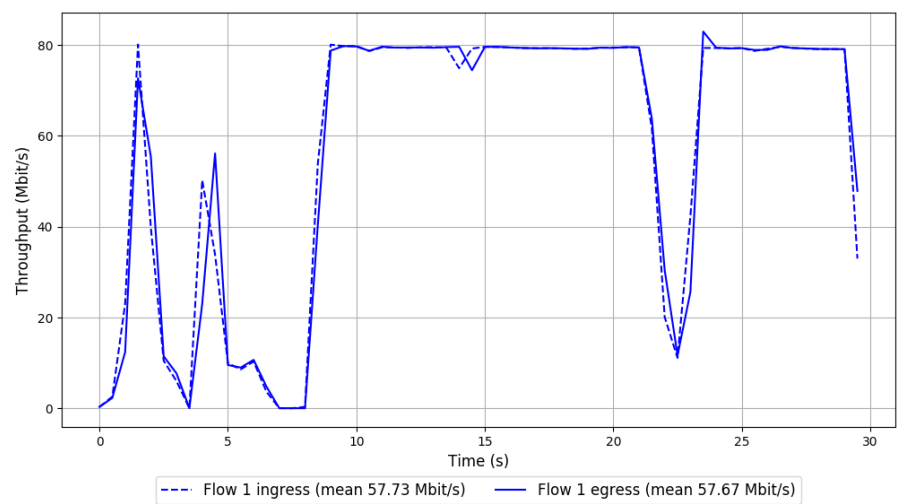
-- Flow 1:

Average throughput: 57.67 Mbit/s

95th percentile per-packet one-way delay: 95.641 ms

Loss rate: 0.10%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2018-04-10 13:46:21

End at: 2018-04-10 13:46:51

Local clock offset: -5.936 ms

Remote clock offset: 1.122 ms

# Below is generated by plot.py at 2018-04-10 16:57:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.39 Mbit/s

95th percentile per-packet one-way delay: 99.461 ms

Loss rate: 0.18%

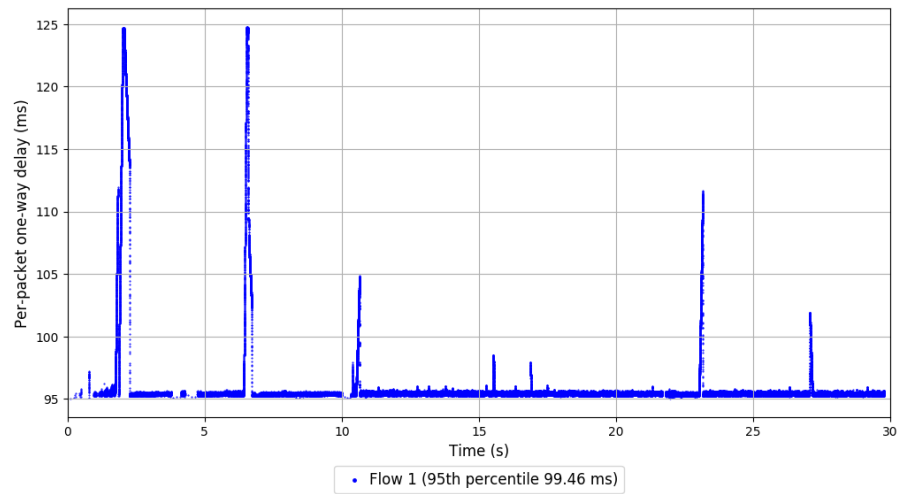
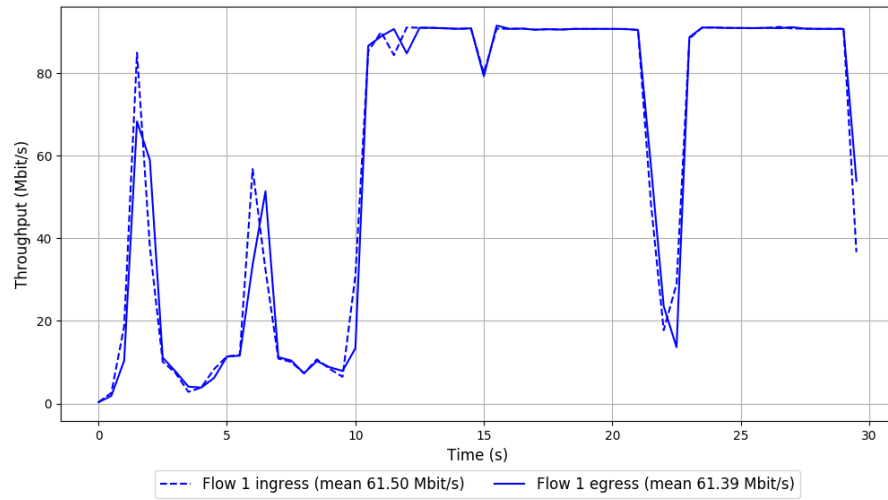
-- Flow 1:

Average throughput: 61.39 Mbit/s

95th percentile per-packet one-way delay: 99.461 ms

Loss rate: 0.18%

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



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-10 14:08:49

End at: 2018-04-10 14:09:19

Local clock offset: -6.106 ms

Remote clock offset: 1.591 ms

# Below is generated by plot.py at 2018-04-10 16:57:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 66.88 Mbit/s

95th percentile per-packet one-way delay: 101.893 ms

Loss rate: 0.20%

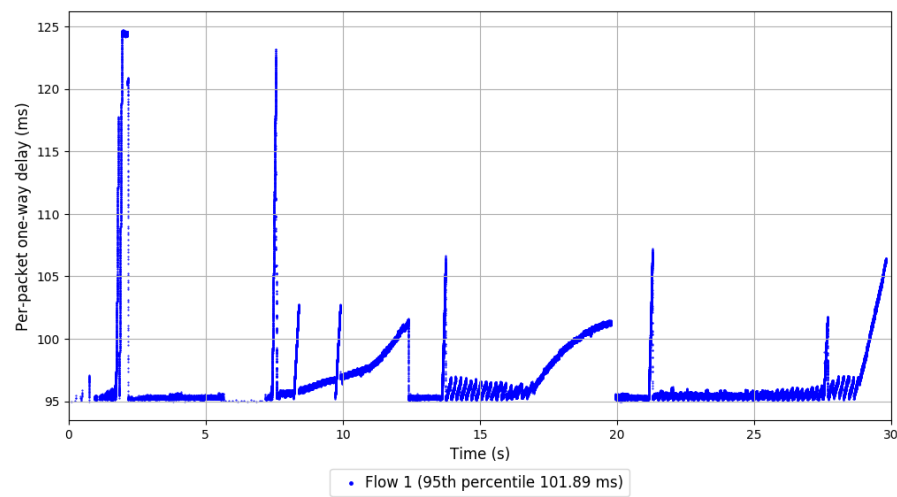
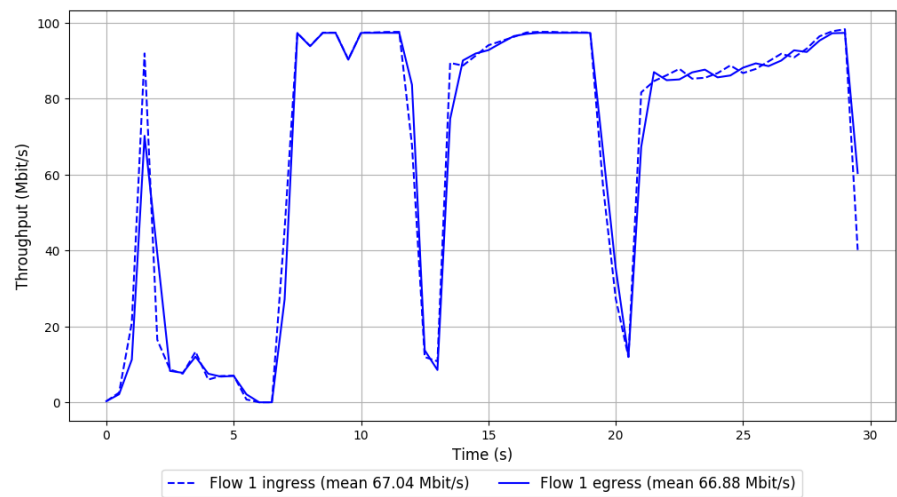
-- Flow 1:

Average throughput: 66.88 Mbit/s

95th percentile per-packet one-way delay: 101.893 ms

Loss rate: 0.20%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-10 14:31:19

End at: 2018-04-10 14:31:49

Local clock offset: -5.133 ms

Remote clock offset: 8.123 ms

# Below is generated by plot.py at 2018-04-10 16:57:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.13 Mbit/s

95th percentile per-packet one-way delay: 100.577 ms

Loss rate: 0.14%

-- Flow 1:

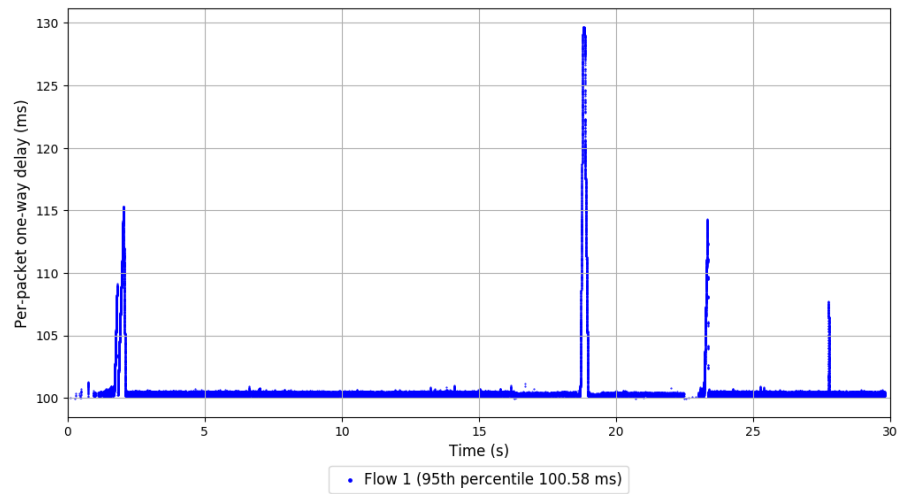
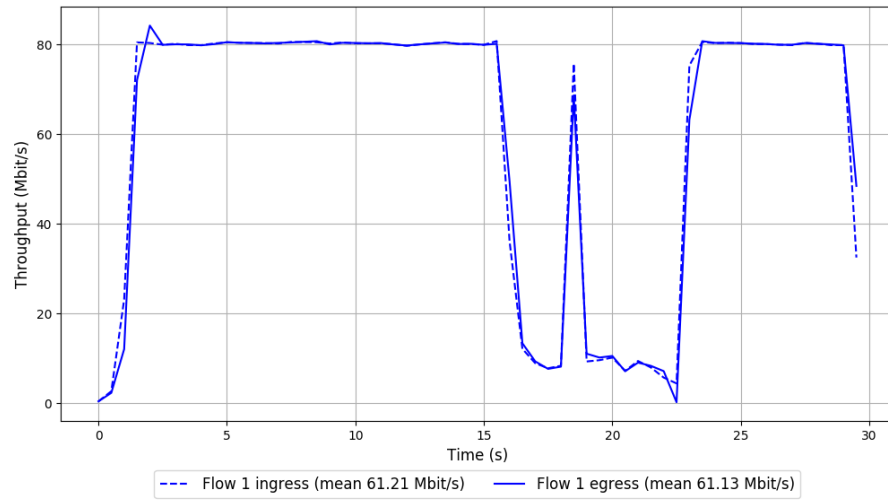
Average throughput: 61.13 Mbit/s

95th percentile per-packet one-way delay: 100.577 ms

Loss rate: 0.14%



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



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-10 14:53:57

End at: 2018-04-10 14:54:27

Local clock offset: -5.748 ms

Remote clock offset: 8.403 ms

# Below is generated by plot.py at 2018-04-10 16:57:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.39 Mbit/s

95th percentile per-packet one-way delay: 121.057 ms

Loss rate: 0.18%

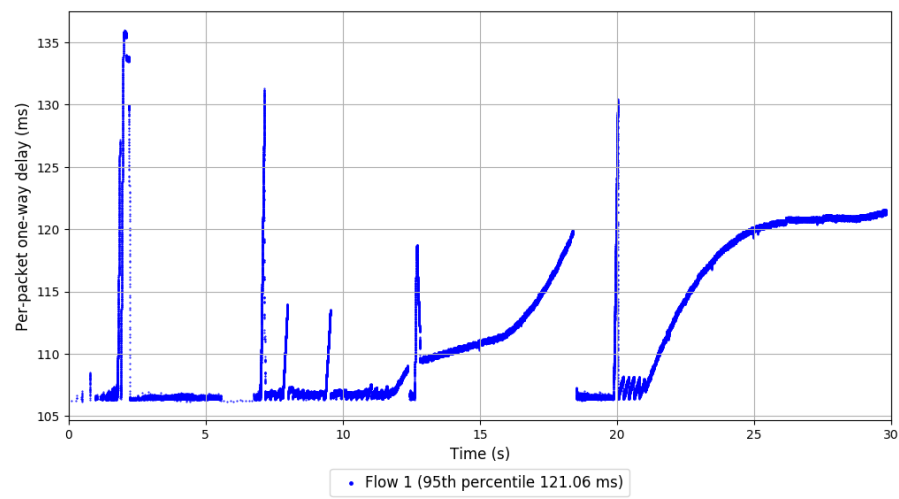
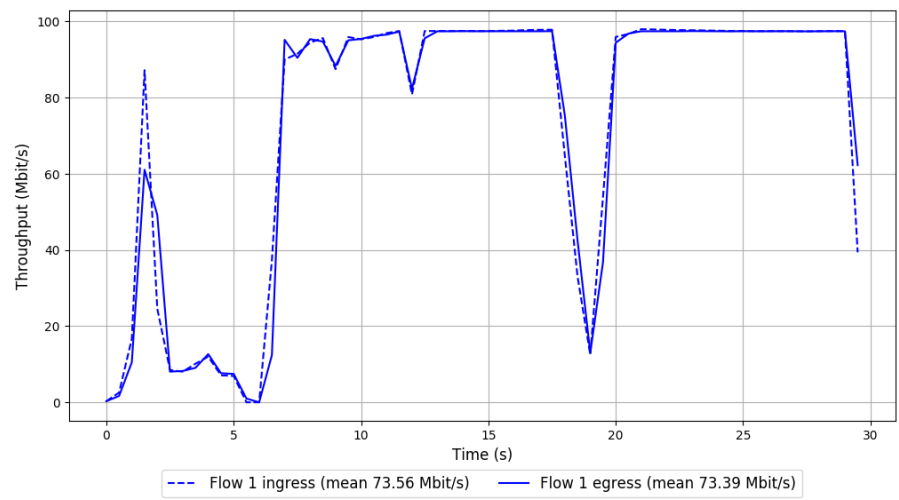
-- Flow 1:

Average throughput: 73.39 Mbit/s

95th percentile per-packet one-way delay: 121.057 ms

Loss rate: 0.18%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-10 15:16:27

End at: 2018-04-10 15:16:57

Local clock offset: -6.358 ms

Remote clock offset: 2.765 ms

# Below is generated by plot.py at 2018-04-10 16:58:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.63 Mbit/s

95th percentile per-packet one-way delay: 117.151 ms

Loss rate: 0.18%

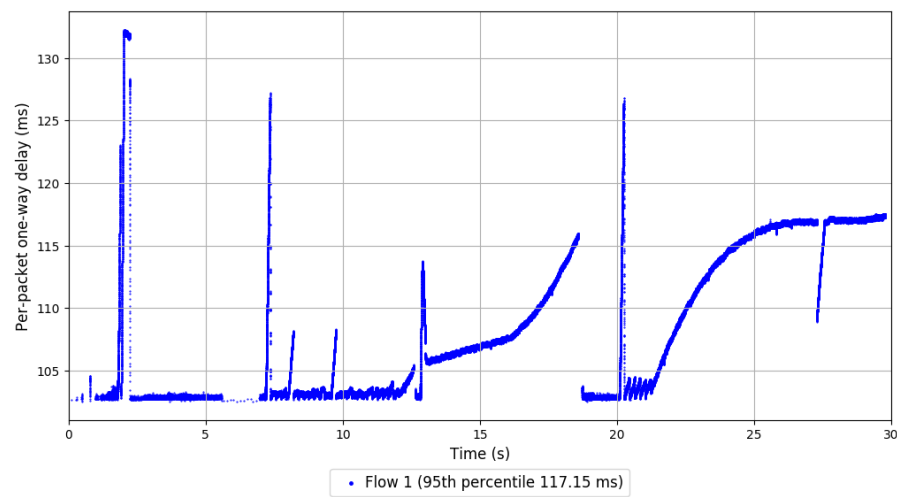
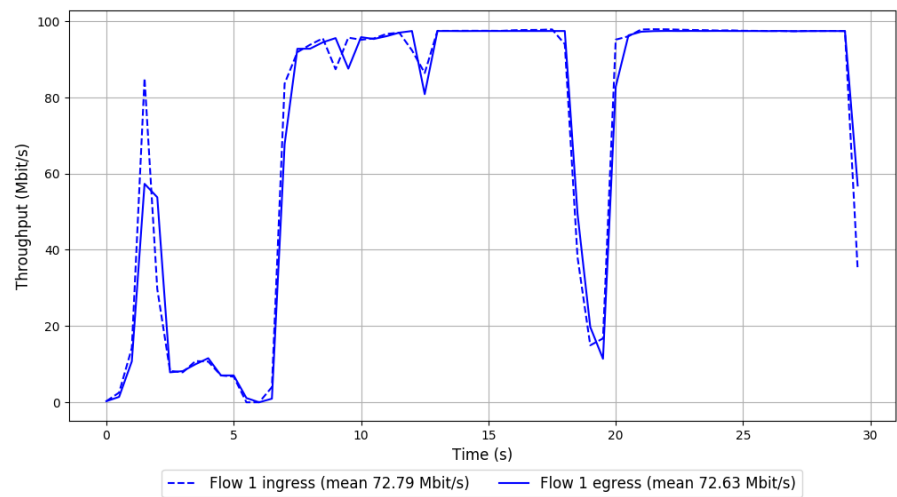
-- Flow 1:

Average throughput: 72.63 Mbit/s

95th percentile per-packet one-way delay: 117.151 ms

Loss rate: 0.18%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-10 15:39:04

End at: 2018-04-10 15:39:35

Local clock offset: -6.022 ms

Remote clock offset: 7.574 ms

# Below is generated by plot.py at 2018-04-10 16:58:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.70 Mbit/s

95th percentile per-packet one-way delay: 108.964 ms

Loss rate: 0.16%

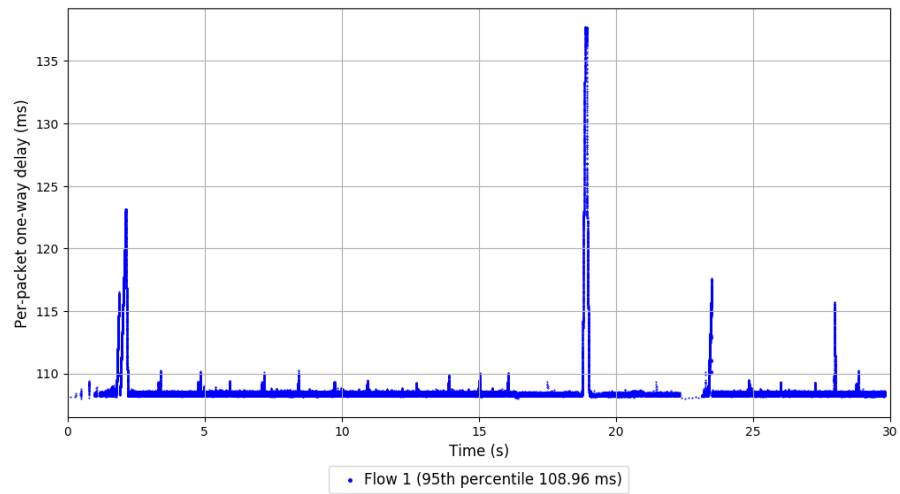
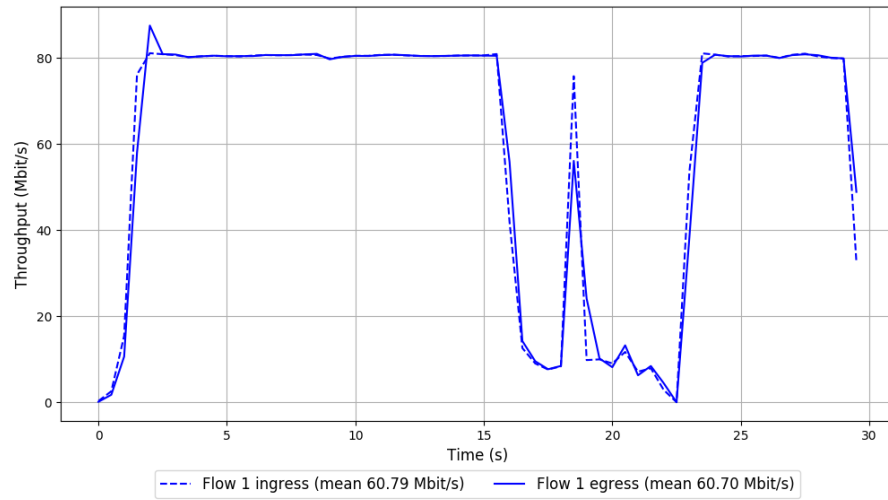
-- Flow 1:

Average throughput: 60.70 Mbit/s

95th percentile per-packet one-way delay: 108.964 ms

Loss rate: 0.16%

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



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-10 16:01:31

End at: 2018-04-10 16:02:01

Local clock offset: -6.098 ms

Remote clock offset: 7.795 ms

# Below is generated by plot.py at 2018-04-10 16:58:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.25 Mbit/s

95th percentile per-packet one-way delay: 108.835 ms

Loss rate: 0.13%

-- Flow 1:

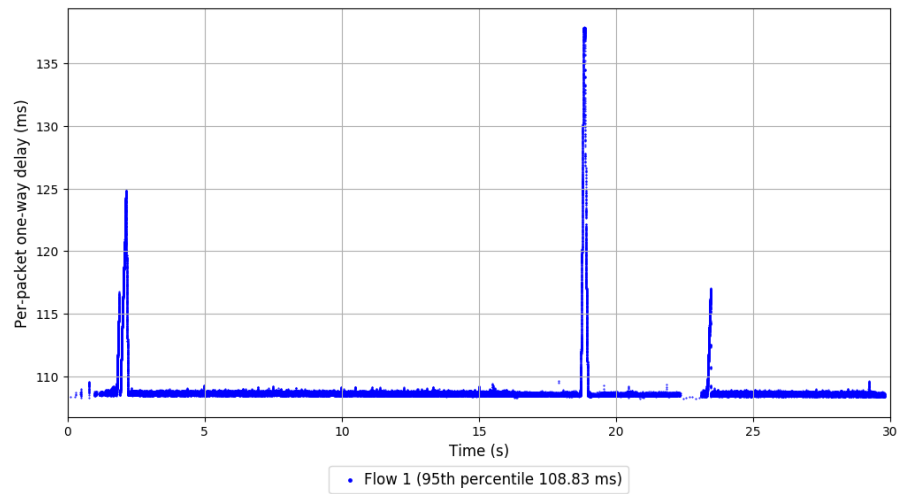
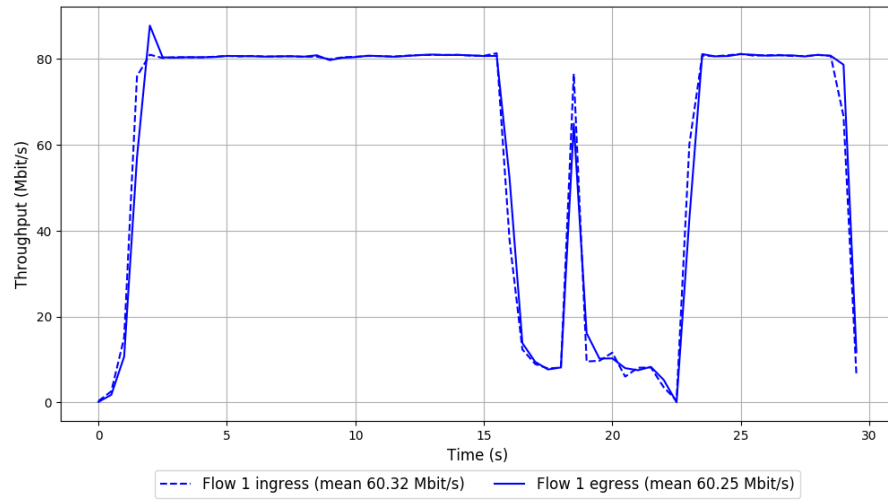
Average throughput: 60.25 Mbit/s

95th percentile per-packet one-way delay: 108.835 ms

Loss rate: 0.13%



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



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-10 16:23:47

End at: 2018-04-10 16:24:17

Local clock offset: -6.78 ms

Remote clock offset: 9.676 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.31 Mbit/s

95th percentile per-packet one-way delay: 109.421 ms

Loss rate: 0.09%

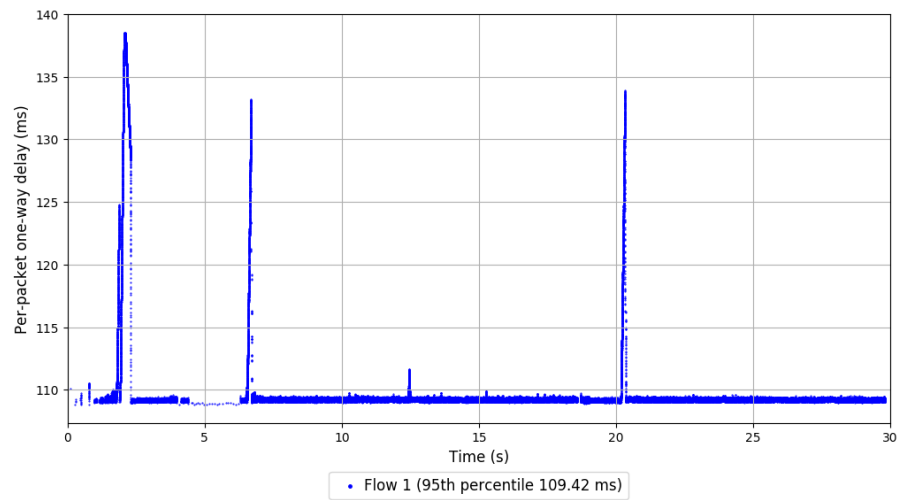
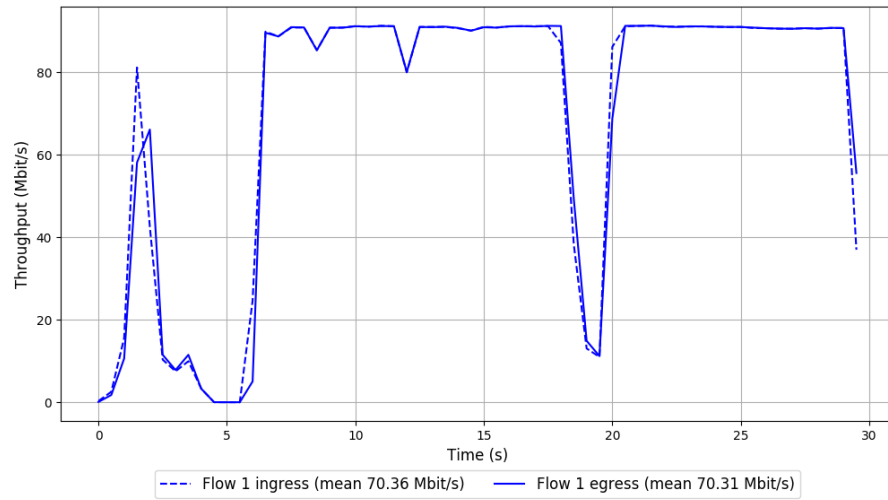
-- Flow 1:

Average throughput: 70.31 Mbit/s

95th percentile per-packet one-way delay: 109.421 ms

Loss rate: 0.09%

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

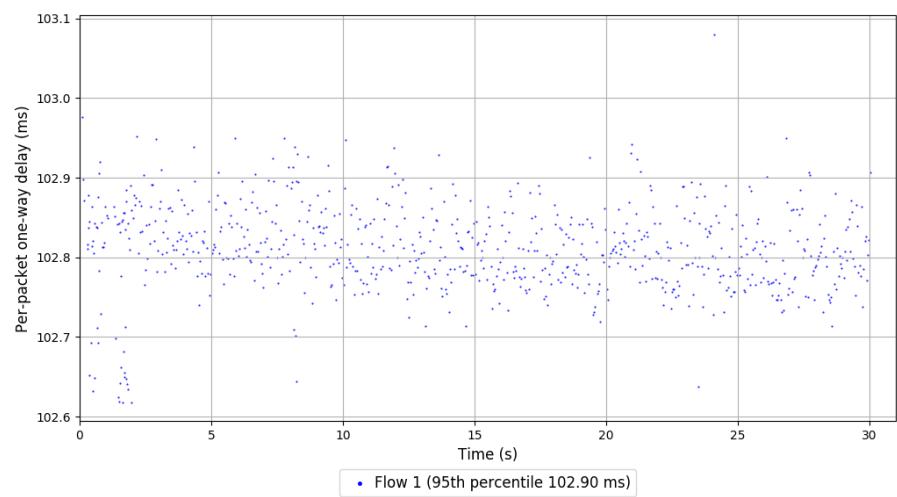
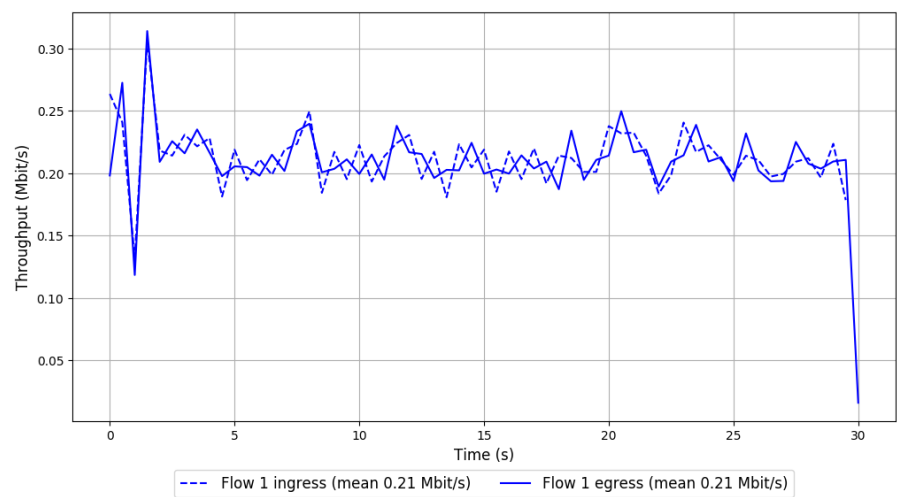


```
Run 1: Statistics of SCReAM

Start at: 2018-04-10 12:50:18
End at: 2018-04-10 12:50:48
Local clock offset: -5.966 ms
Remote clock offset: 0.355 ms

# Below is generated by plot.py at 2018-04-10 16:58:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 102.897 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 102.897 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-04-10 13:12:38

End at: 2018-04-10 13:13:08

Local clock offset: -5.906 ms

Remote clock offset: 0.61 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 96.233 ms

Loss rate: 0.00%

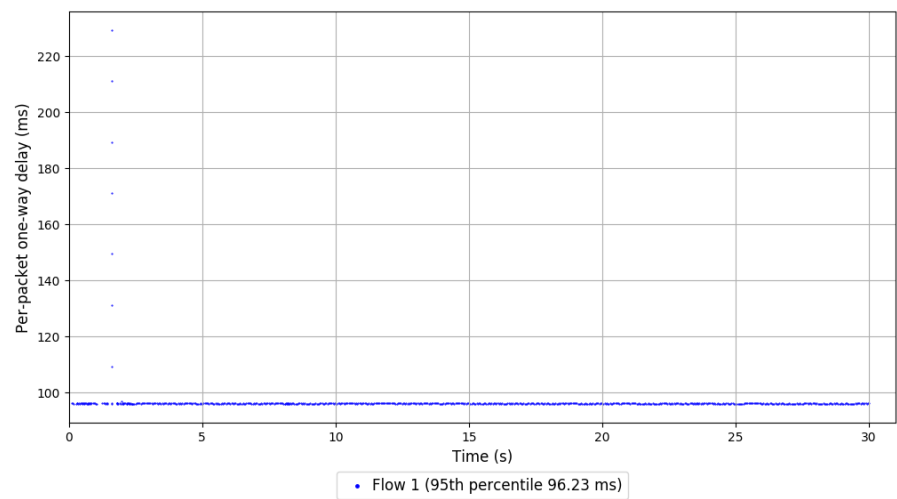
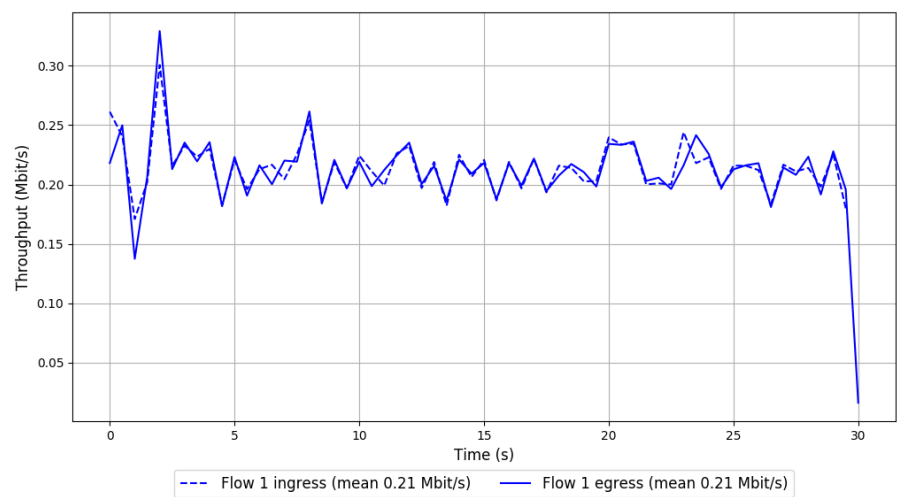
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 96.233 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2018-04-10 13:35:07

End at: 2018-04-10 13:35:37

Local clock offset: -5.764 ms

Remote clock offset: 1.9 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 103.440 ms

Loss rate: 0.00%

-- Flow 1:

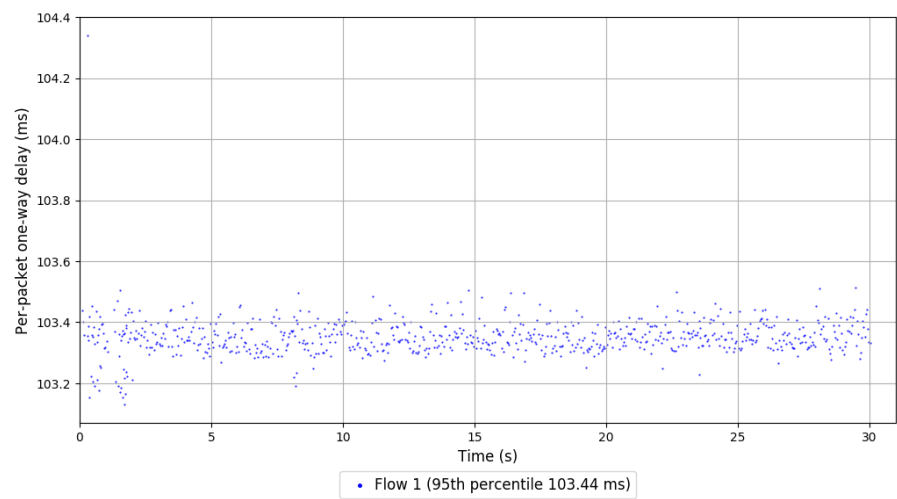
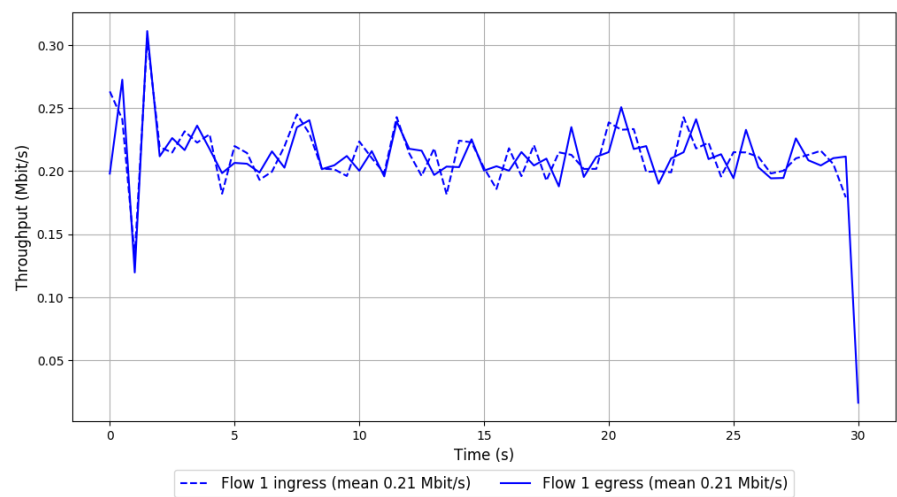
Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 103.440 ms

Loss rate: 0.00%



Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2018-04-10 13:57:22

End at: 2018-04-10 13:57:52

Local clock offset: -6.793 ms

Remote clock offset: 1.489 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 95.989 ms

Loss rate: 0.00%

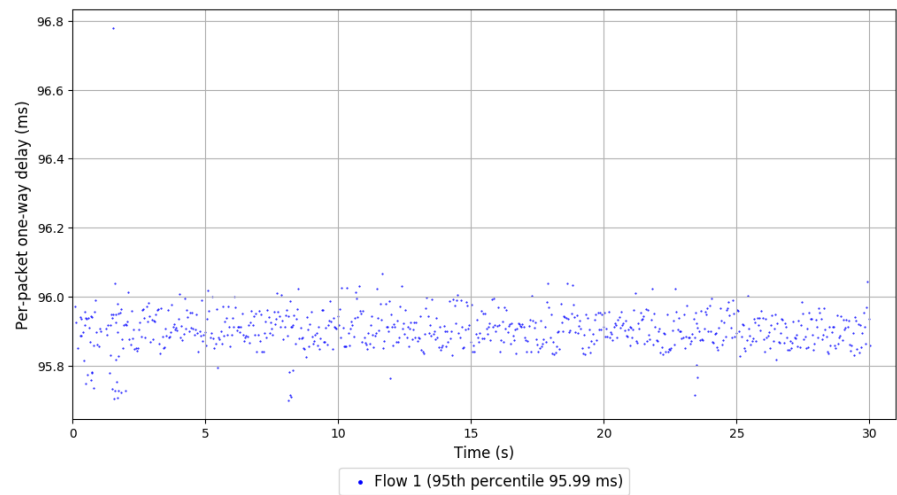
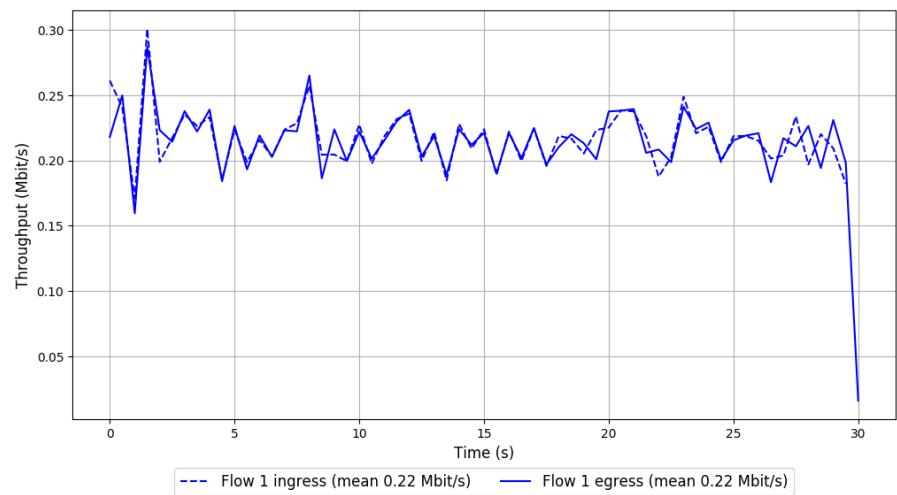
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 95.989 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2018-04-10 14:19:49

End at: 2018-04-10 14:20:19

Local clock offset: -5.208 ms

Remote clock offset: 2.666 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 97.356 ms

Loss rate: 0.00%

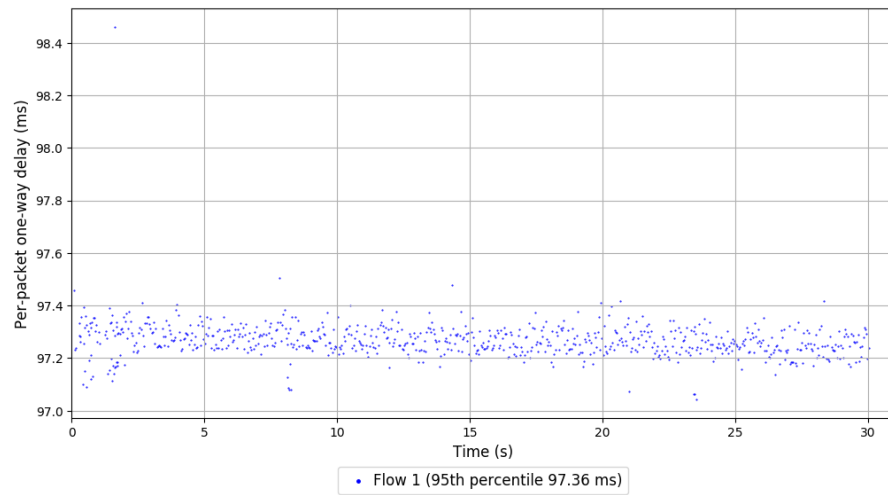
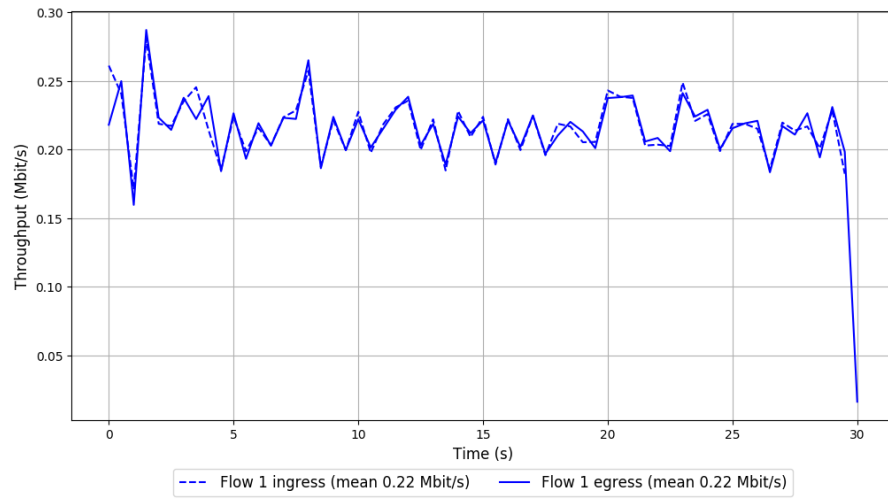
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 97.356 ms

Loss rate: 0.00%

## Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-10 14:42:46

End at: 2018-04-10 14:43:16

Local clock offset: -5.12 ms

Remote clock offset: 8.304 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 100.809 ms

Loss rate: 0.00%

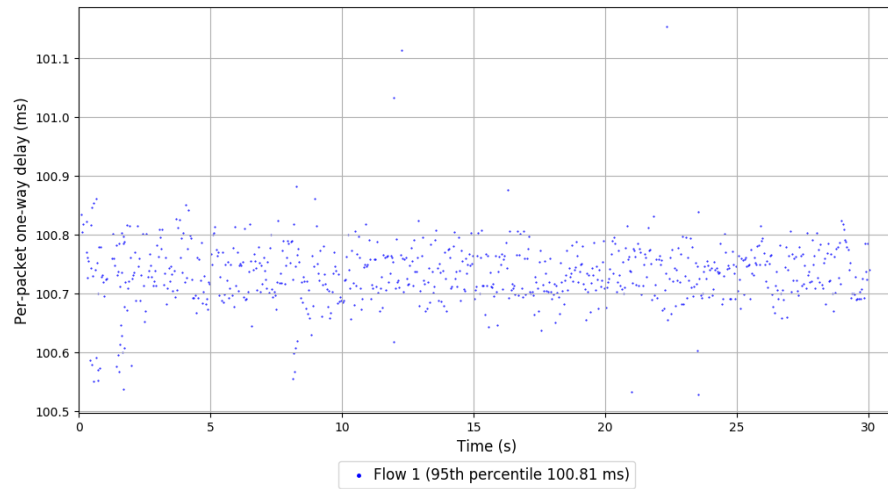
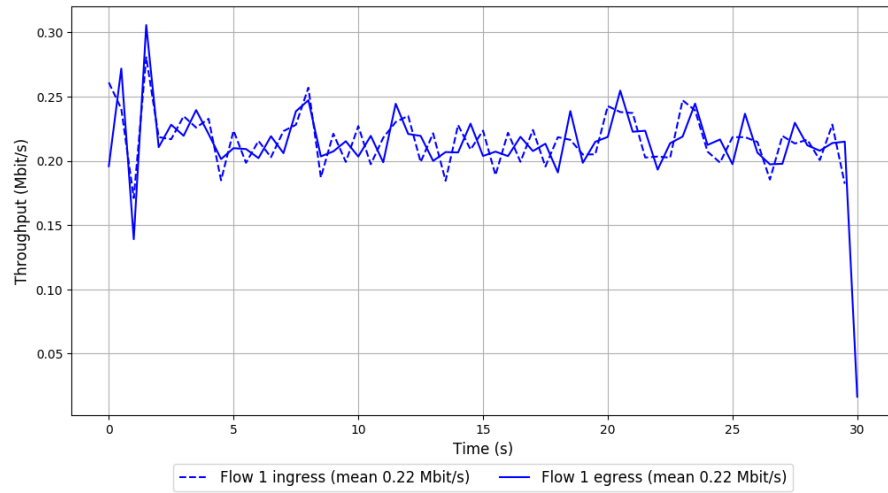
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 100.809 ms

Loss rate: 0.00%

## Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

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

End at: 2018-04-10 15:05:29

Local clock offset: -5.636 ms

Remote clock offset: 2.947 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 101.657 ms

Loss rate: 0.00%

-- Flow 1:

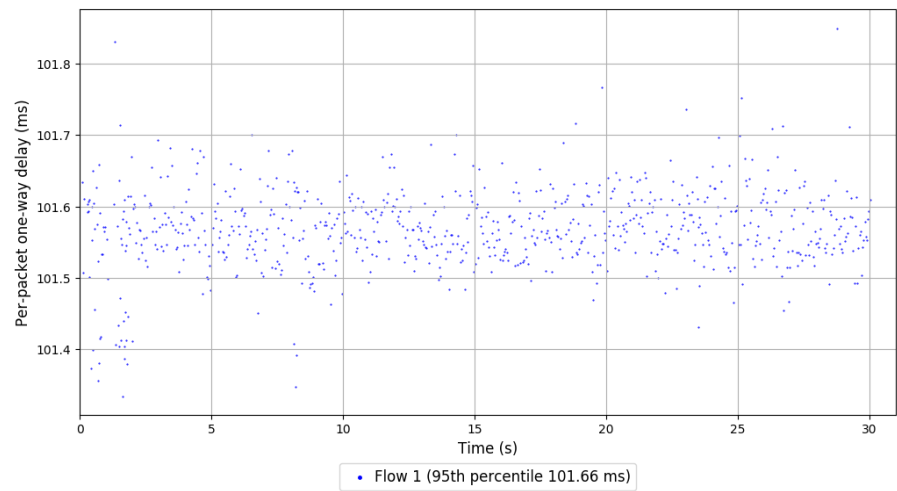
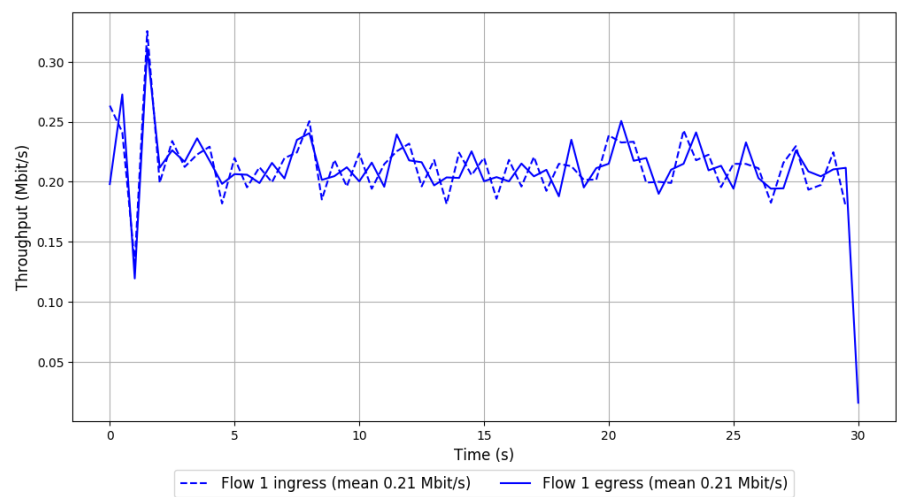
Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 101.657 ms

Loss rate: 0.00%



Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2018-04-10 15:27:36

End at: 2018-04-10 15:28:06

Local clock offset: -5.957 ms

Remote clock offset: 7.549 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 101.079 ms

Loss rate: 0.00%

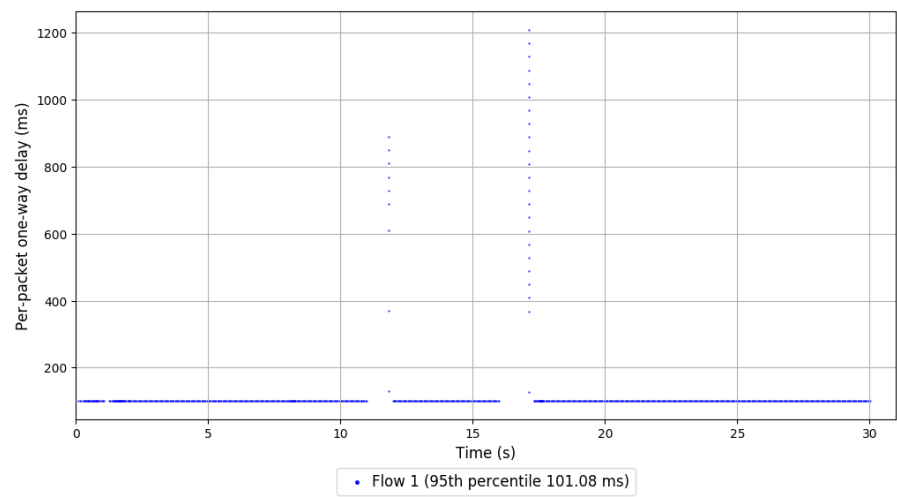
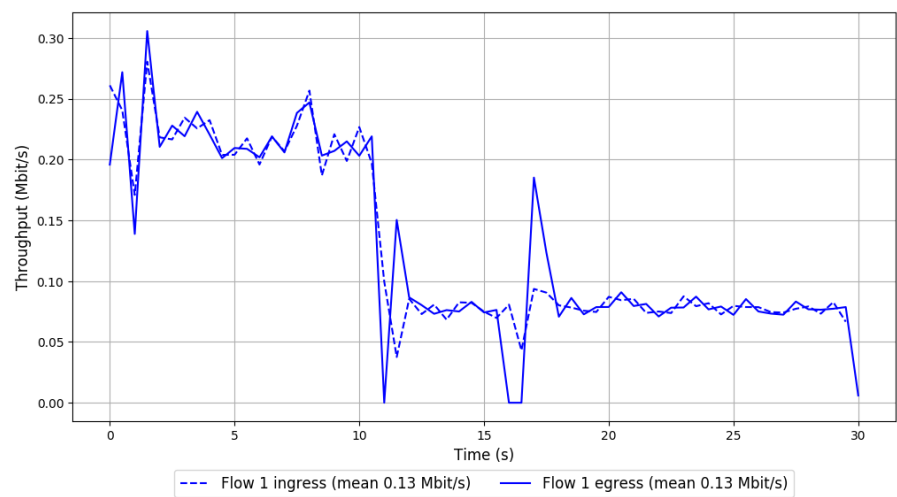
-- Flow 1:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 101.079 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2018-04-10 15:50:03

End at: 2018-04-10 15:50:33

Local clock offset: -6.085 ms

Remote clock offset: 2.875 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 97.947 ms

Loss rate: 0.00%

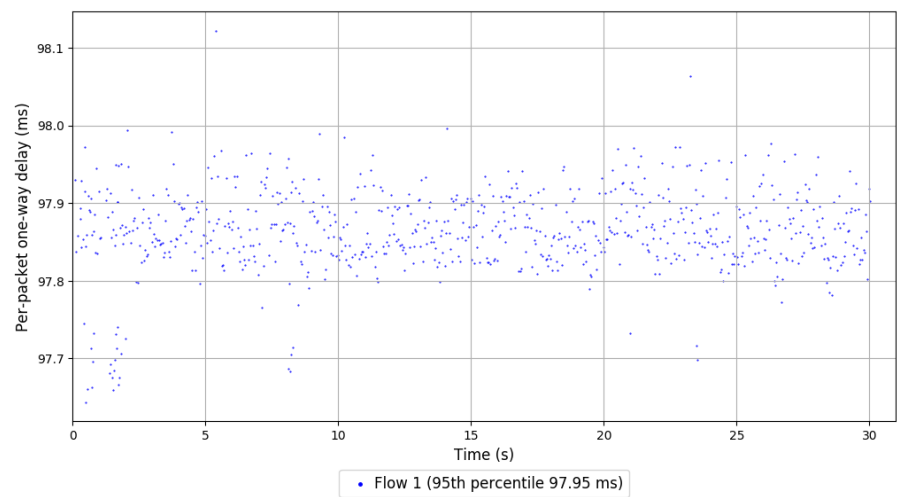
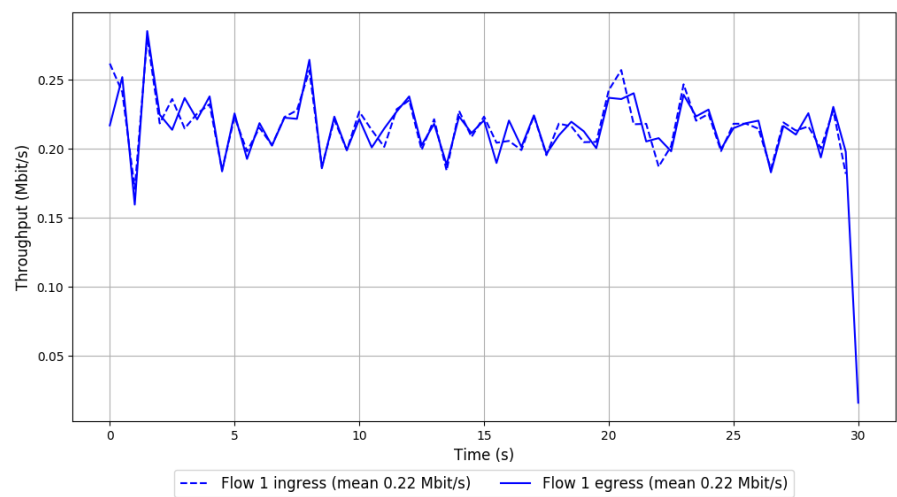
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 97.947 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2018-04-10 16:12:31

End at: 2018-04-10 16:13:01

Local clock offset: -6.822 ms

Remote clock offset: 4.206 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 97.305 ms

Loss rate: 0.00%

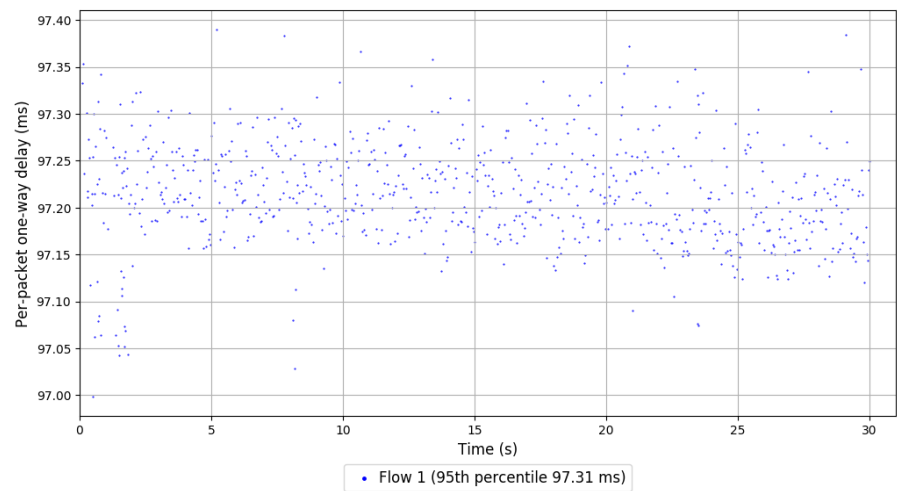
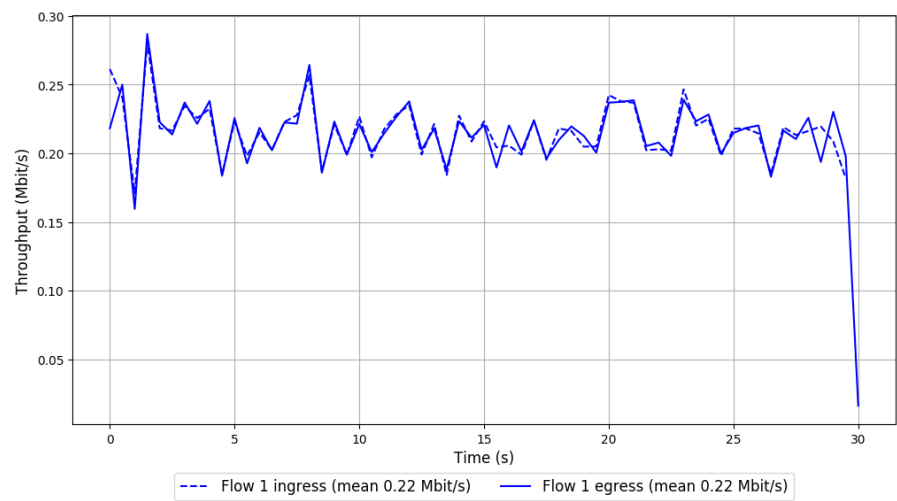
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 97.305 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2018-04-10 12:43:01

End at: 2018-04-10 12:43:31

Local clock offset: -5.986 ms

Remote clock offset: 4.743 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 100.684 ms

Loss rate: 0.00%

-- Flow 1:

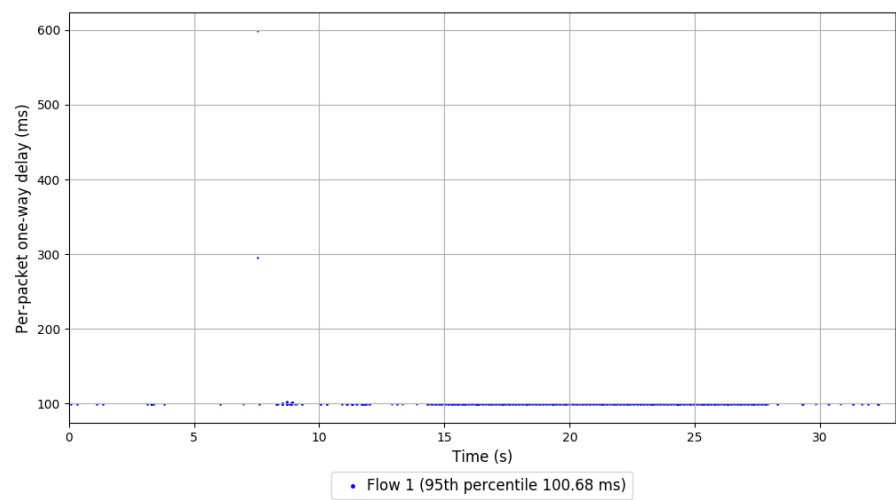
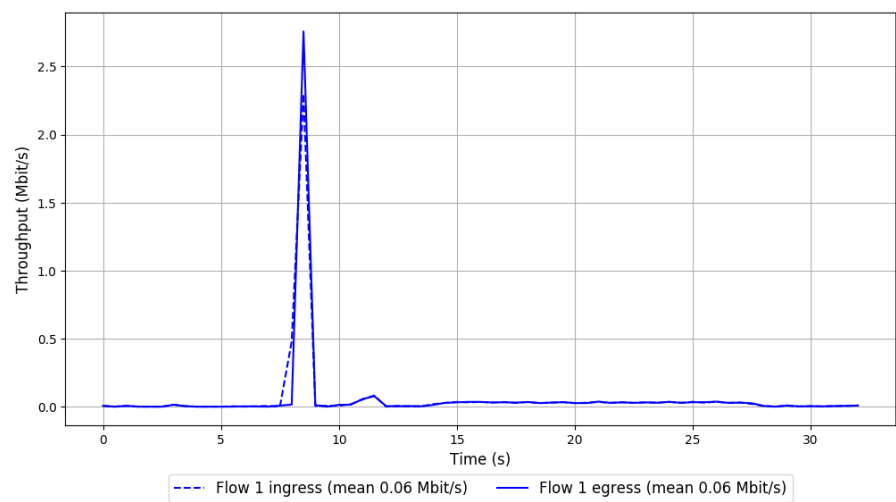
Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 100.684 ms

Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2018-04-10 13:05:22

End at: 2018-04-10 13:05:52

Local clock offset: -5.932 ms

Remote clock offset: 1.319 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 96.333 ms

Loss rate: 0.00%

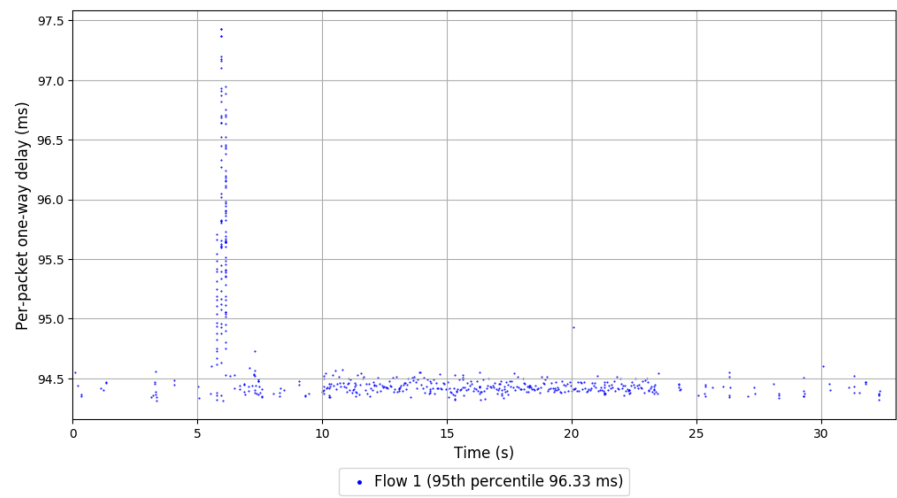
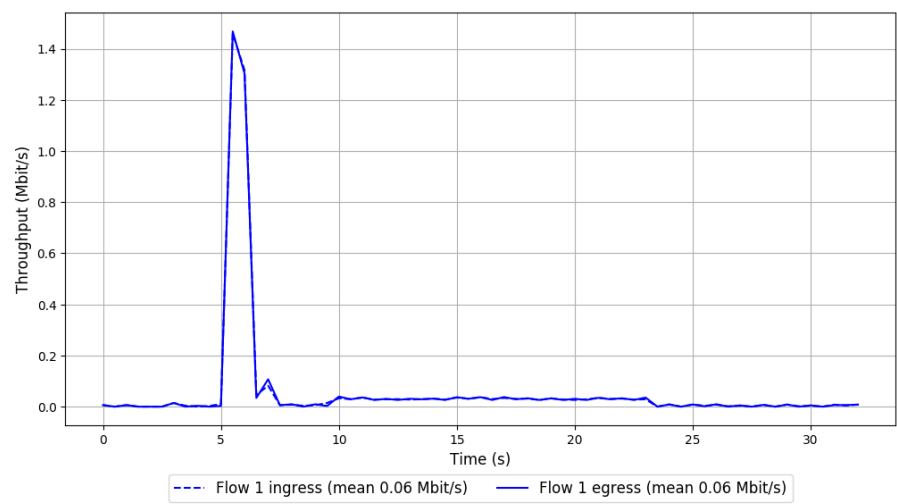
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 96.333 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2018-04-10 13:27:49

End at: 2018-04-10 13:28:19

Local clock offset: -5.733 ms

Remote clock offset: 0.941 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 95.432 ms

Loss rate: 0.00%

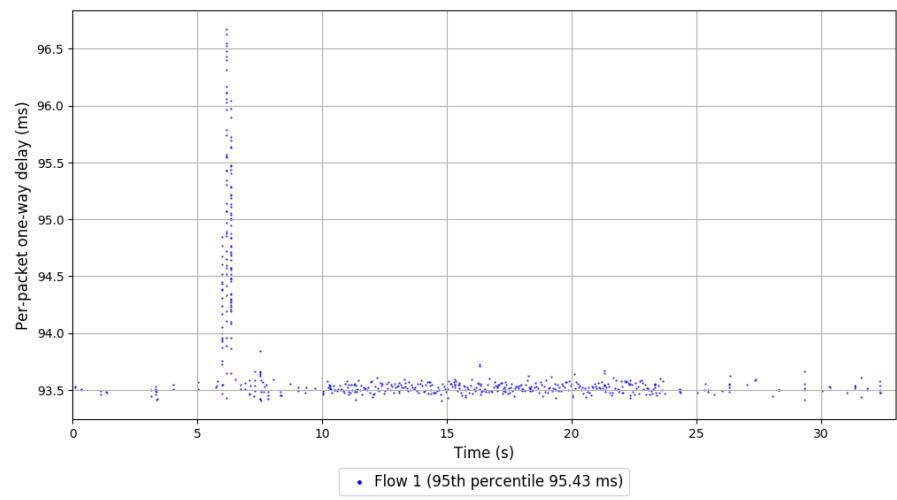
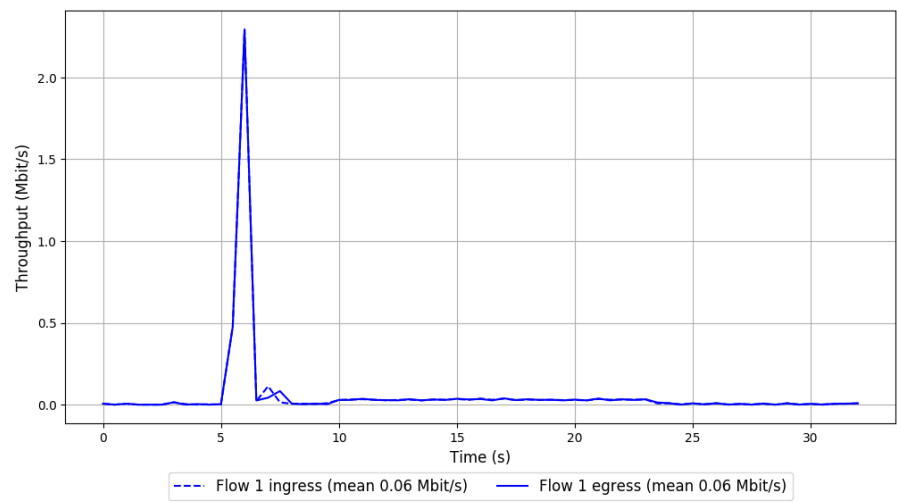
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 95.432 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2018-04-10 13:50:03

End at: 2018-04-10 13:50:33

Local clock offset: -6.007 ms

Remote clock offset: 7.757 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 106.093 ms

Loss rate: 0.00%

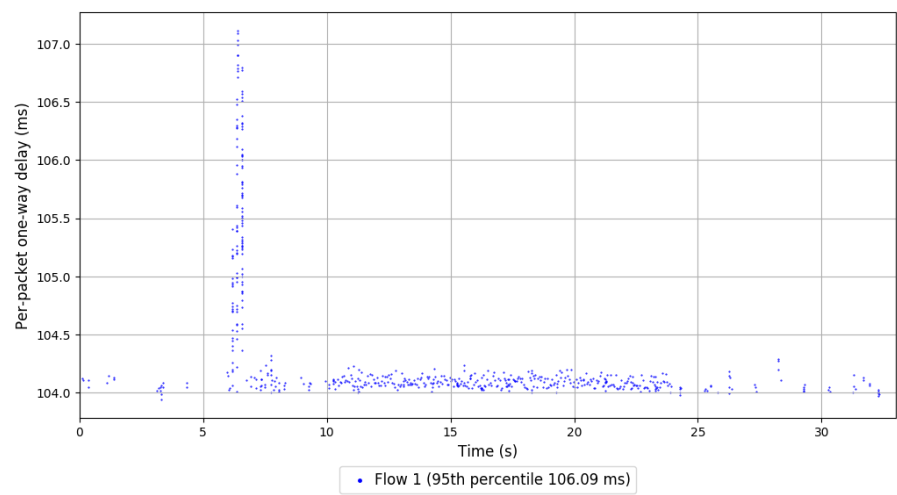
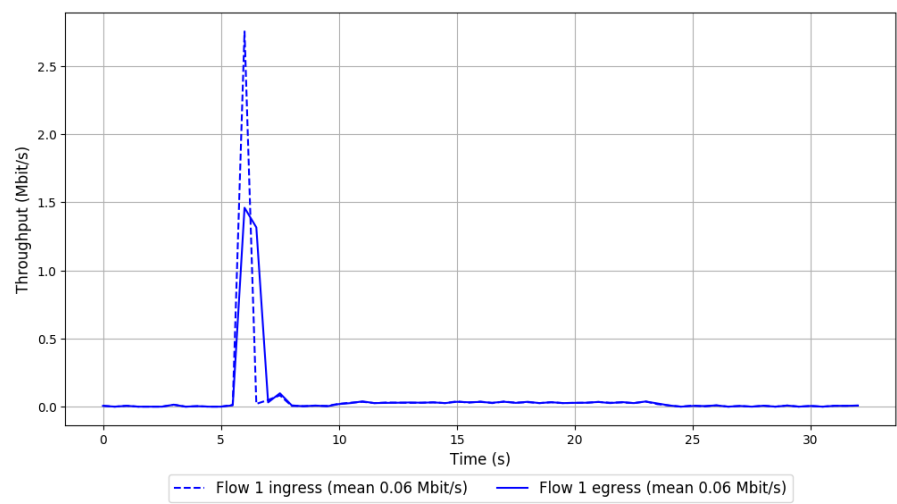
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 106.093 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2018-04-10 14:12:31

End at: 2018-04-10 14:13:01

Local clock offset: -5.317 ms

Remote clock offset: 8.142 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 102.473 ms

Loss rate: 0.00%

-- Flow 1:

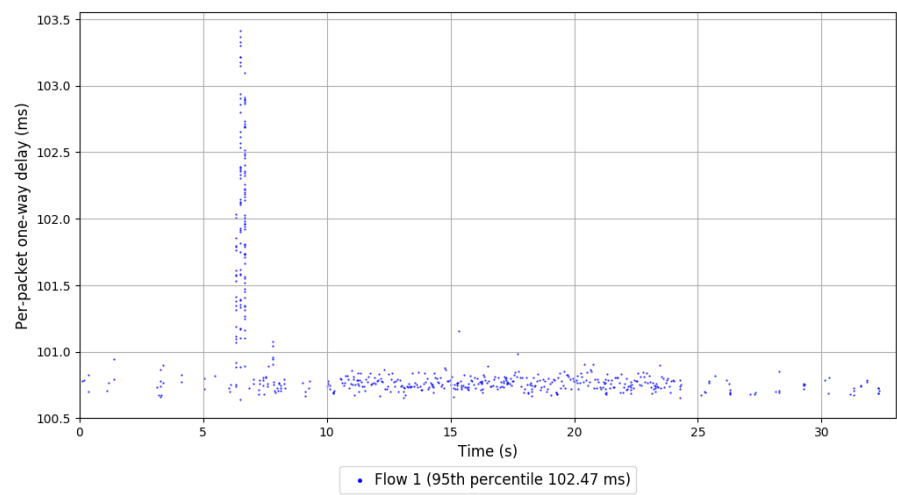
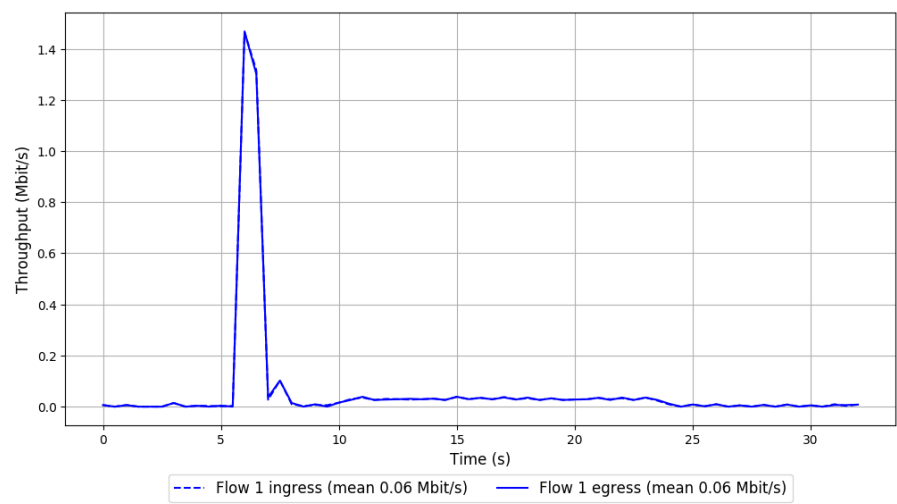
Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 102.473 ms

Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2018-04-10 14:35:01

End at: 2018-04-10 14:35:31

Local clock offset: -6.624 ms

Remote clock offset: 9.036 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 103.138 ms

Loss rate: 0.00%

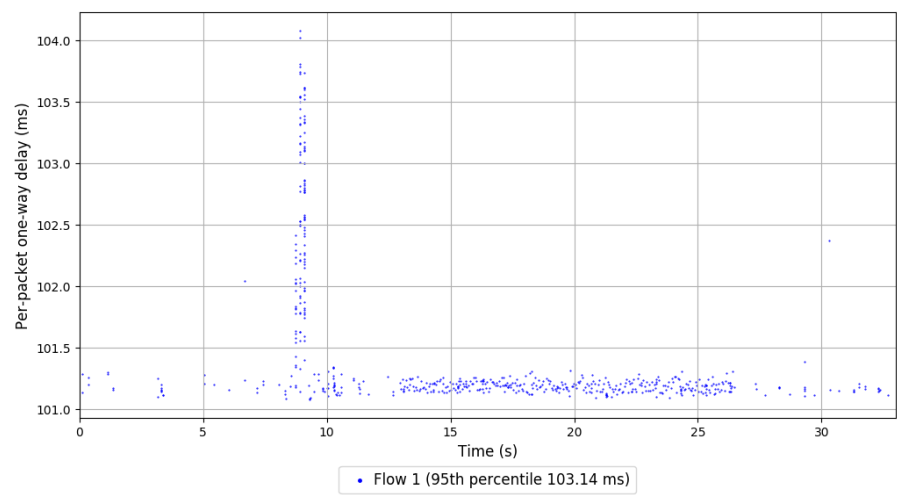
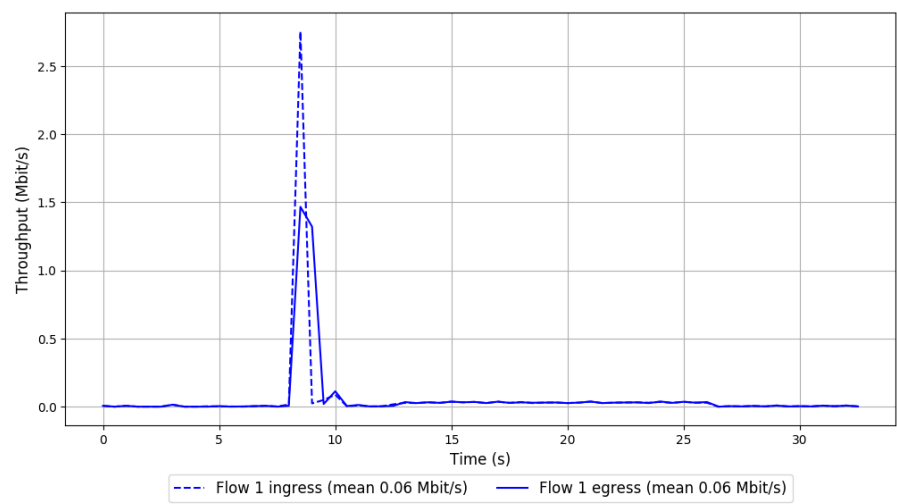
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 103.138 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2018-04-10 14:57:40

End at: 2018-04-10 14:58:10

Local clock offset: -6.483 ms

Remote clock offset: 8.106 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 103.999 ms

Loss rate: 0.00%

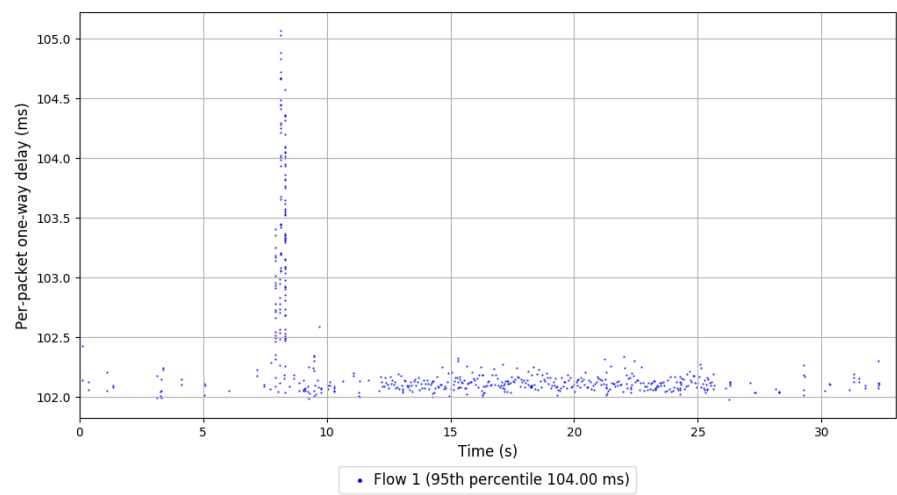
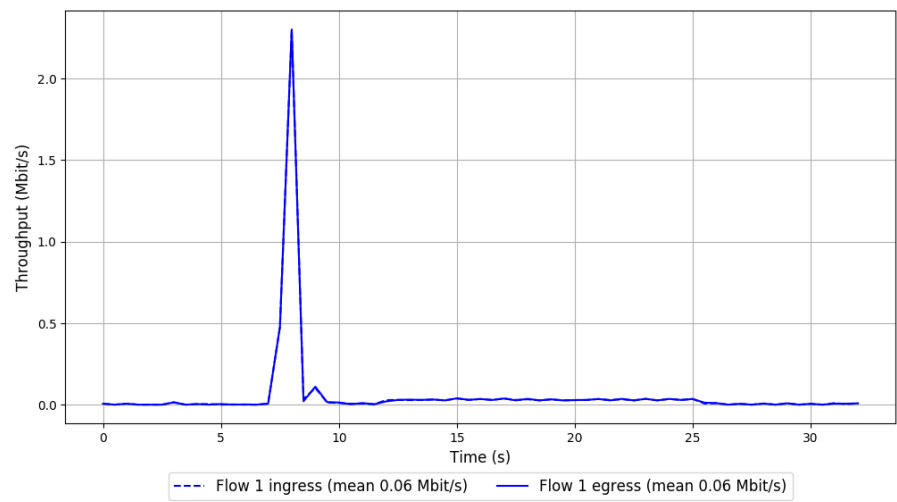
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 103.999 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2018-04-10 15:20:15

End at: 2018-04-10 15:20:45

Local clock offset: -5.659 ms

Remote clock offset: 2.686 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 97.807 ms

Loss rate: 0.00%

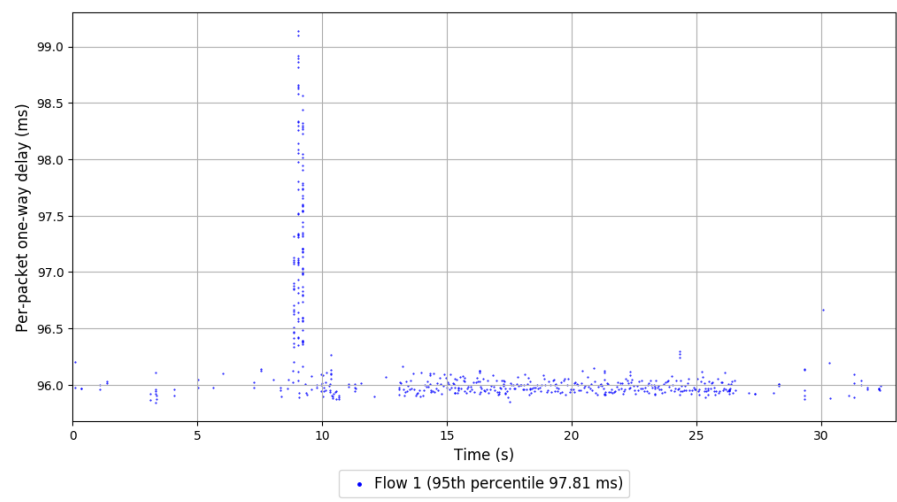
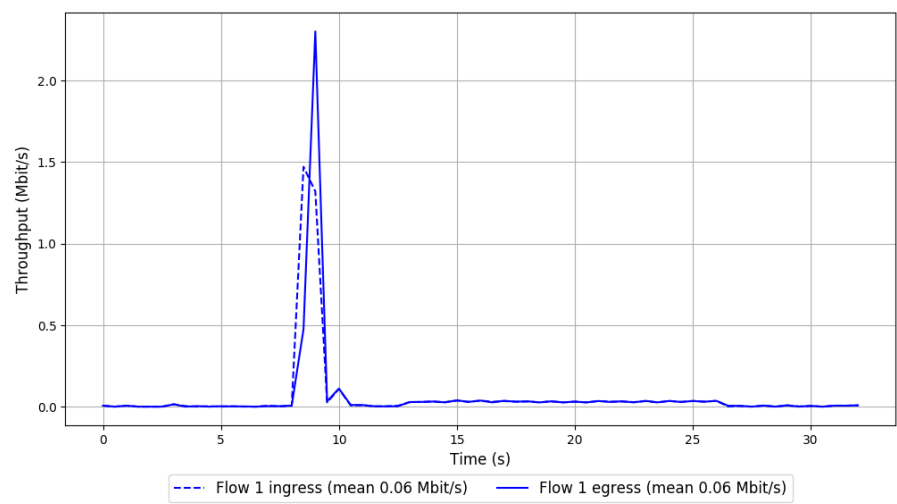
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 97.807 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-10 15:42:47

End at: 2018-04-10 15:43:17

Local clock offset: -6.107 ms

Remote clock offset: 7.709 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 102.771 ms

Loss rate: 0.00%

-- Flow 1:

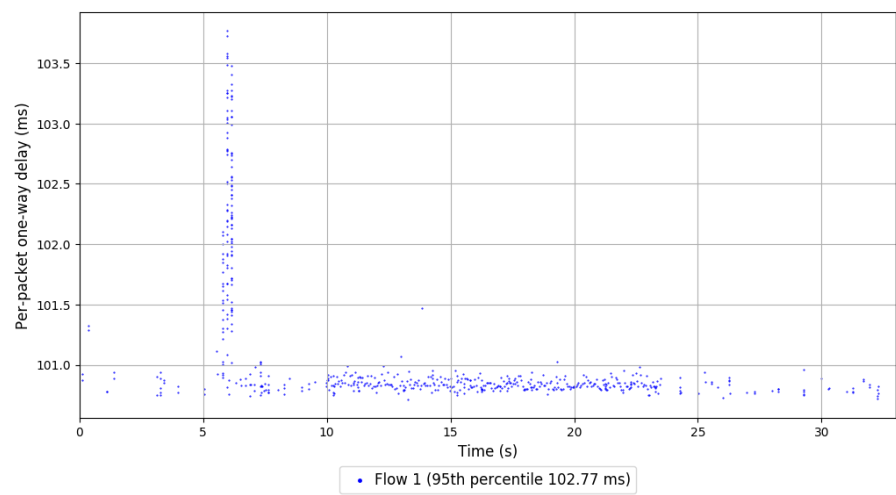
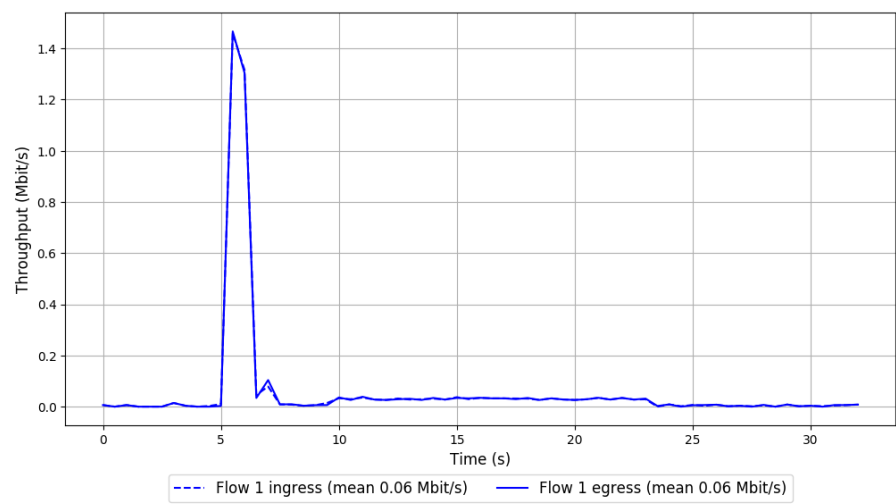
Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 102.771 ms

Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2018-04-10 16:05:13

End at: 2018-04-10 16:05:43

Local clock offset: -5.268 ms

Remote clock offset: 8.375 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 109.266 ms

Loss rate: 0.00%

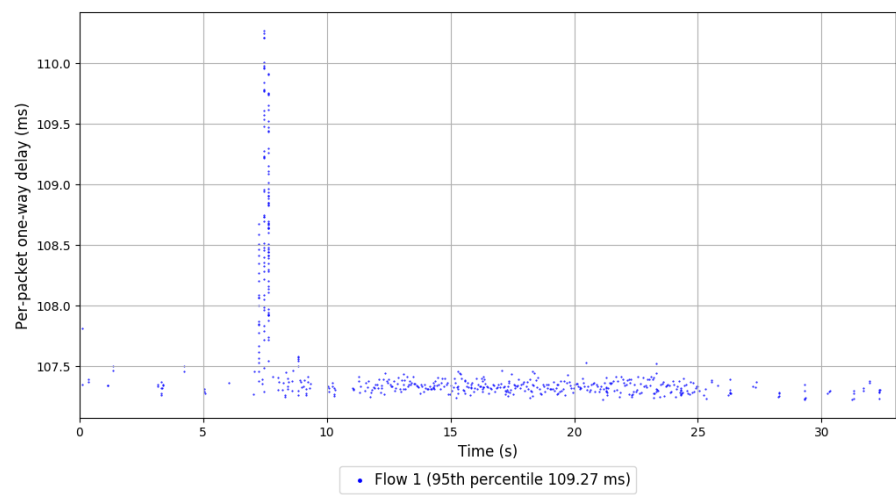
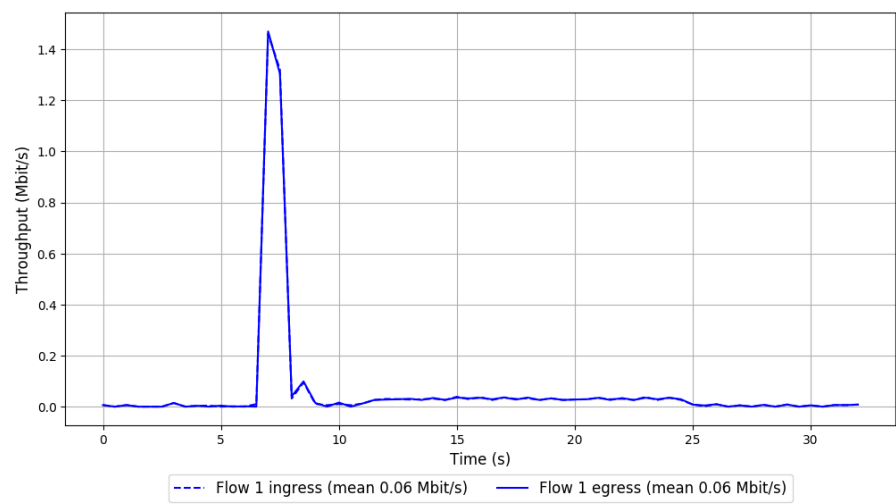
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 109.266 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2018-04-10 12:49:07

End at: 2018-04-10 12:49:37

Local clock offset: -6.782 ms

Remote clock offset: 5.942 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.99 Mbit/s

95th percentile per-packet one-way delay: 109.855 ms

Loss rate: 0.00%

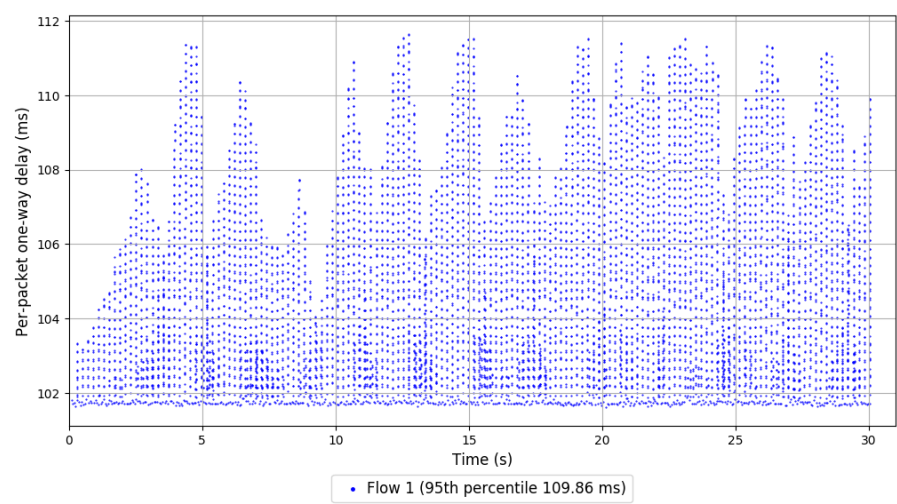
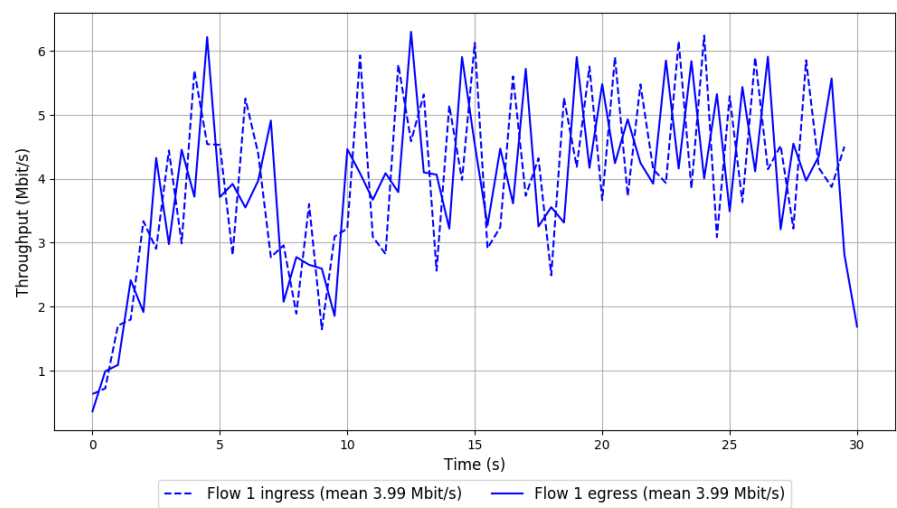
-- Flow 1:

Average throughput: 3.99 Mbit/s

95th percentile per-packet one-way delay: 109.855 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-10 13:11:28

End at: 2018-04-10 13:11:58

Local clock offset: -6.612 ms

Remote clock offset: 7.037 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.96 Mbit/s

95th percentile per-packet one-way delay: 110.622 ms

Loss rate: 0.00%

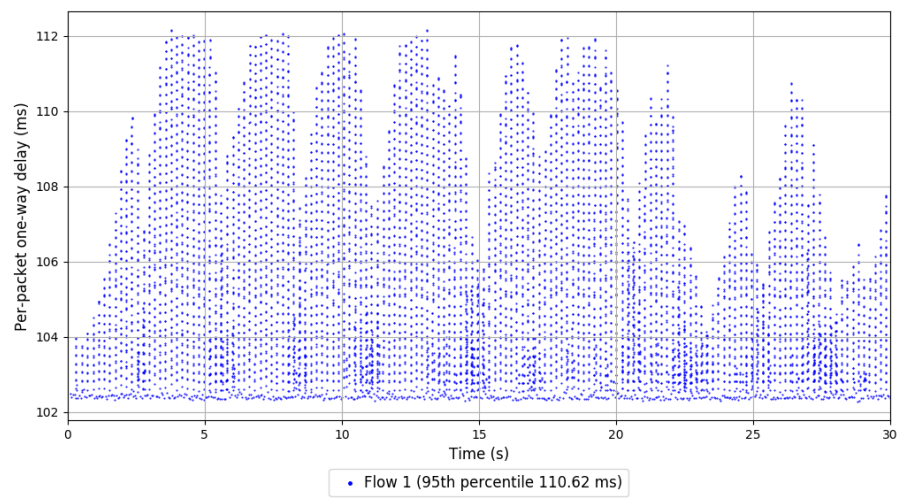
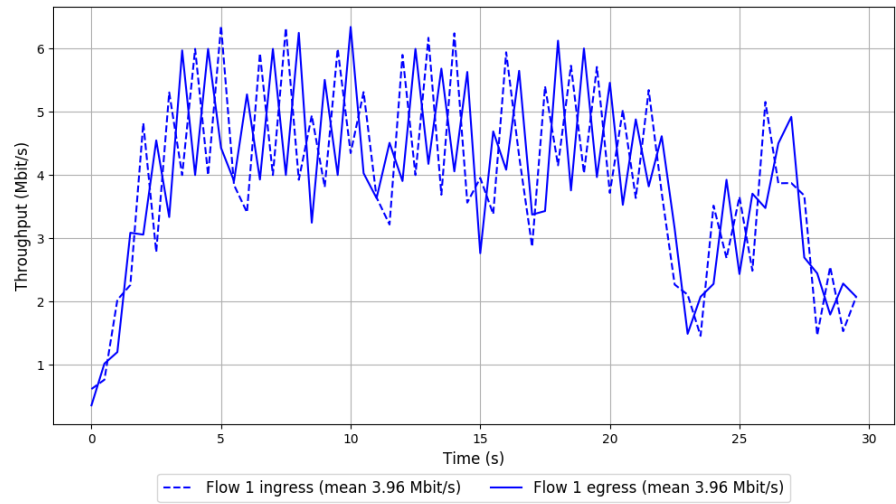
-- Flow 1:

Average throughput: 3.96 Mbit/s

95th percentile per-packet one-way delay: 110.622 ms

Loss rate: 0.00%

## Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2018-04-10 13:33:56

End at: 2018-04-10 13:34:26

Local clock offset: -5.004 ms

Remote clock offset: 5.846 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 106.003 ms

Loss rate: 0.00%

-- Flow 1:

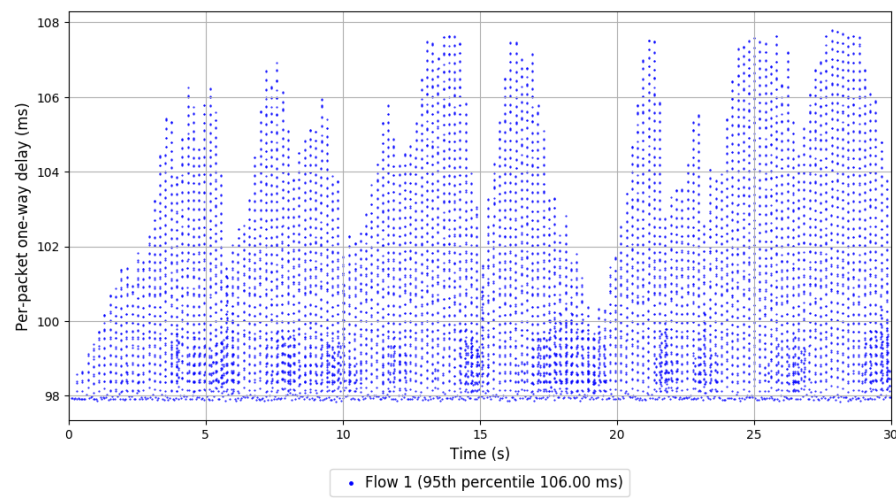
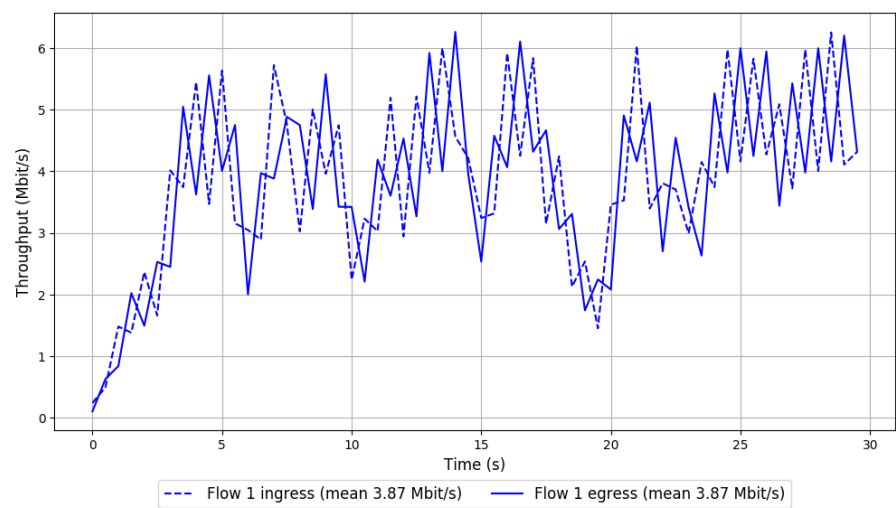
Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 106.003 ms

Loss rate: 0.00%



Run 3: Report of Sprout — Data Link

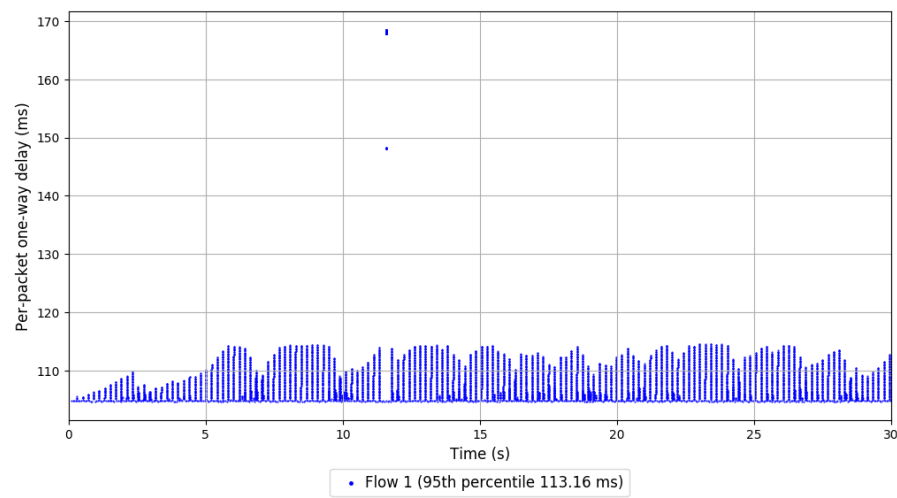
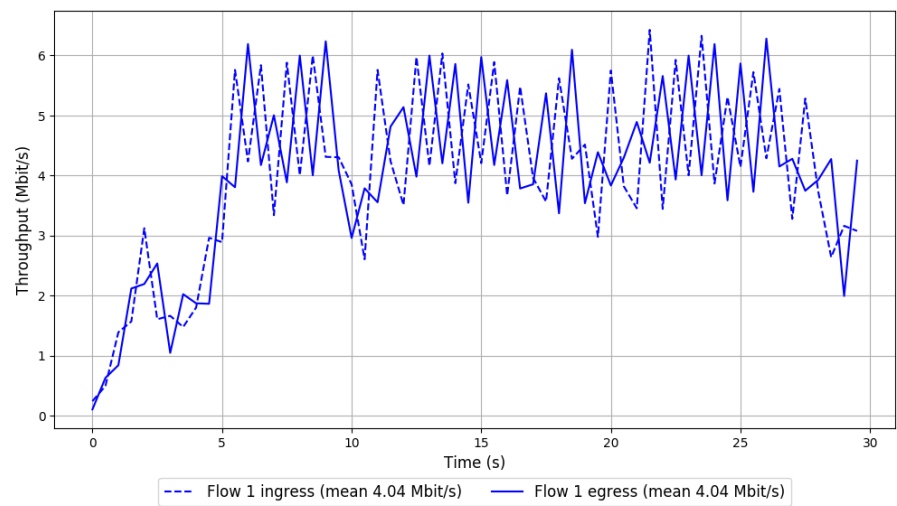


Run 4: Statistics of Sprout

Start at: 2018-04-10 13:56:12  
End at: 2018-04-10 13:56:42  
Local clock offset: -6.815 ms  
Remote clock offset: 7.957 ms

# Below is generated by plot.py at 2018-04-10 16:58:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.04 Mbit/s  
95th percentile per-packet one-way delay: 113.163 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 4.04 Mbit/s  
95th percentile per-packet one-way delay: 113.163 ms  
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link

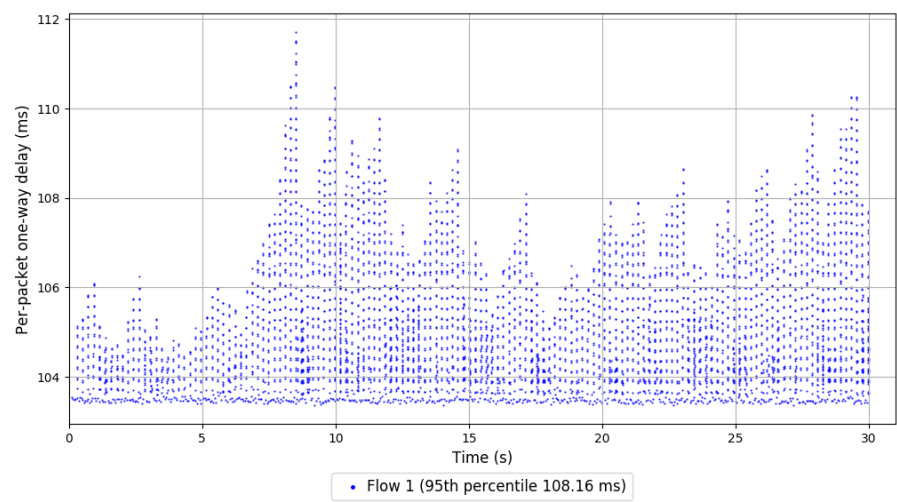
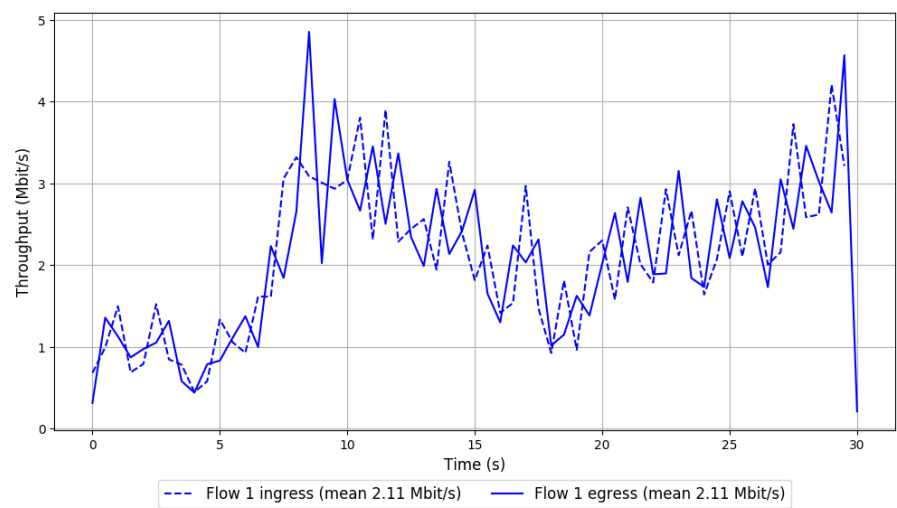


Run 5: Statistics of Sprout

Start at: 2018-04-10 14:18:39  
End at: 2018-04-10 14:19:09  
Local clock offset: -6.049 ms  
Remote clock offset: 2.612 ms

# Below is generated by plot.py at 2018-04-10 16:58:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.11 Mbit/s  
95th percentile per-packet one-way delay: 108.155 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.11 Mbit/s  
95th percentile per-packet one-way delay: 108.155 ms  
Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2018-04-10 14:41:36

End at: 2018-04-10 14:42:06

Local clock offset: -6.585 ms

Remote clock offset: 8.388 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.09 Mbit/s

95th percentile per-packet one-way delay: 113.377 ms

Loss rate: 0.00%

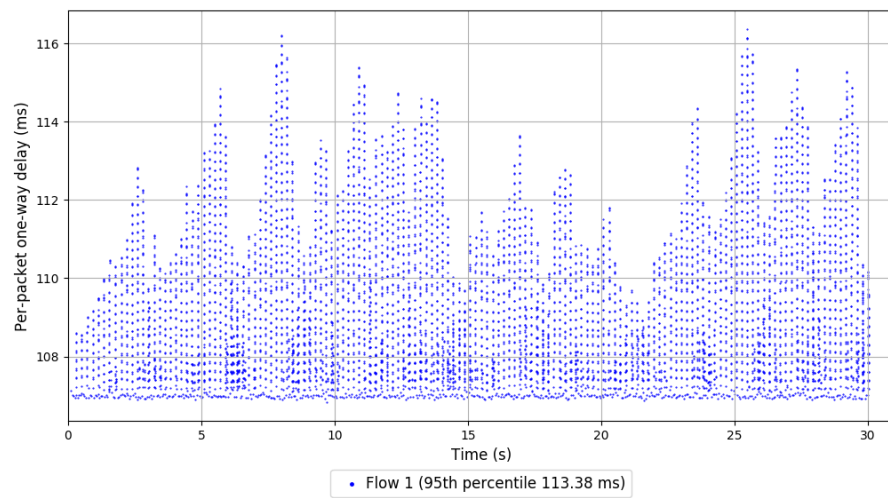
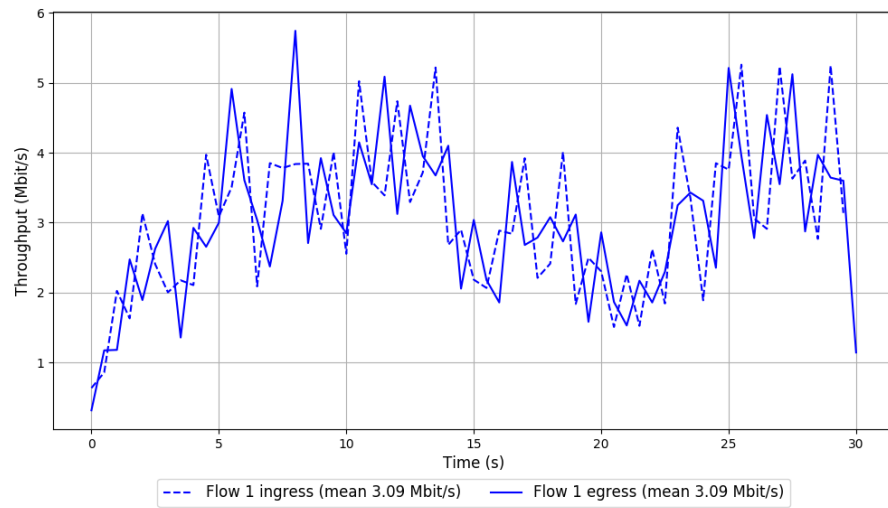
-- Flow 1:

Average throughput: 3.09 Mbit/s

95th percentile per-packet one-way delay: 113.377 ms

Loss rate: 0.00%

## Run 6: Report of Sprout — Data Link



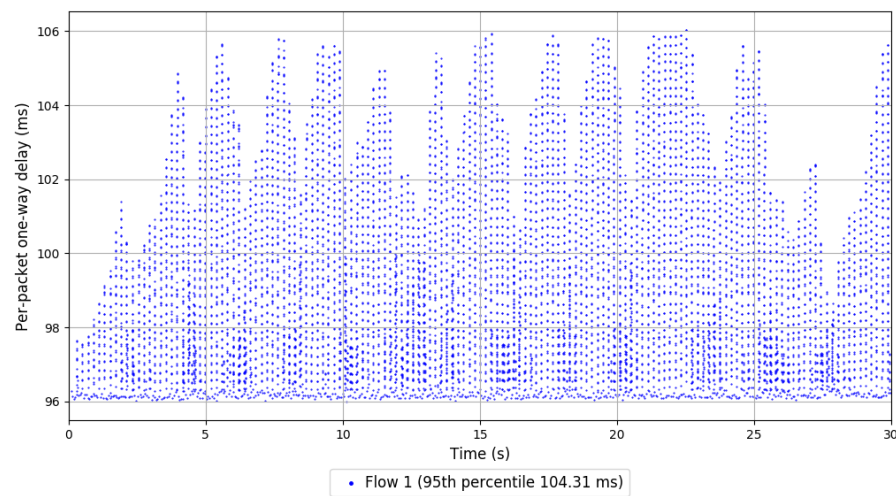
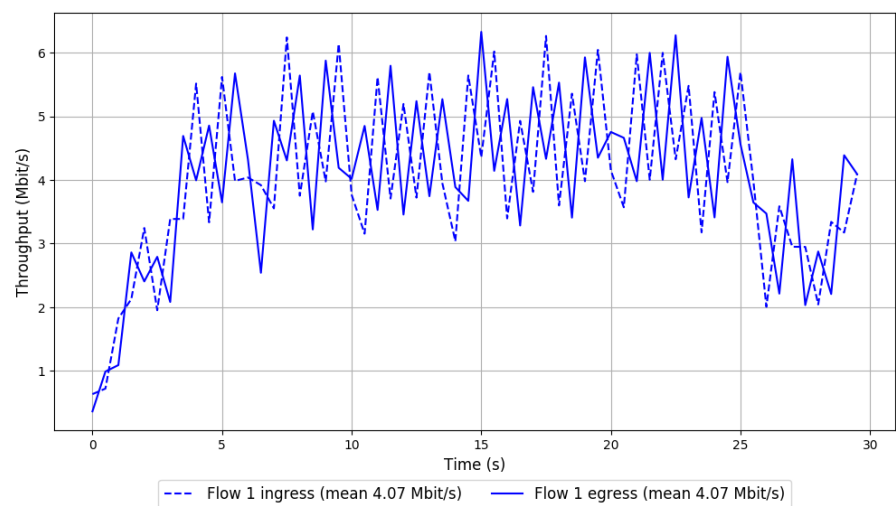
Run 7: Statistics of Sprout

Start at: 2018-04-10 15:03:49  
End at: 2018-04-10 15:04:19  
Local clock offset: -5.715 ms  
Remote clock offset: 2.975 ms

# Below is generated by plot.py at 2018-04-10 16:58:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.07 Mbit/s  
95th percentile per-packet one-way delay: 104.312 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 4.07 Mbit/s  
95th percentile per-packet one-way delay: 104.312 ms  
Loss rate: 0.00%



Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2018-04-10 15:26:23

End at: 2018-04-10 15:26:53

Local clock offset: -5.948 ms

Remote clock offset: 2.659 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.65 Mbit/s

95th percentile per-packet one-way delay: 105.891 ms

Loss rate: 0.00%

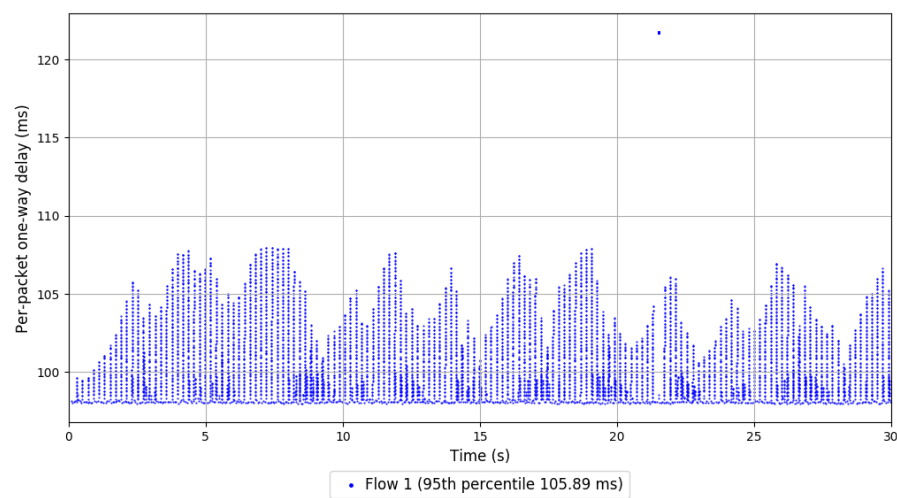
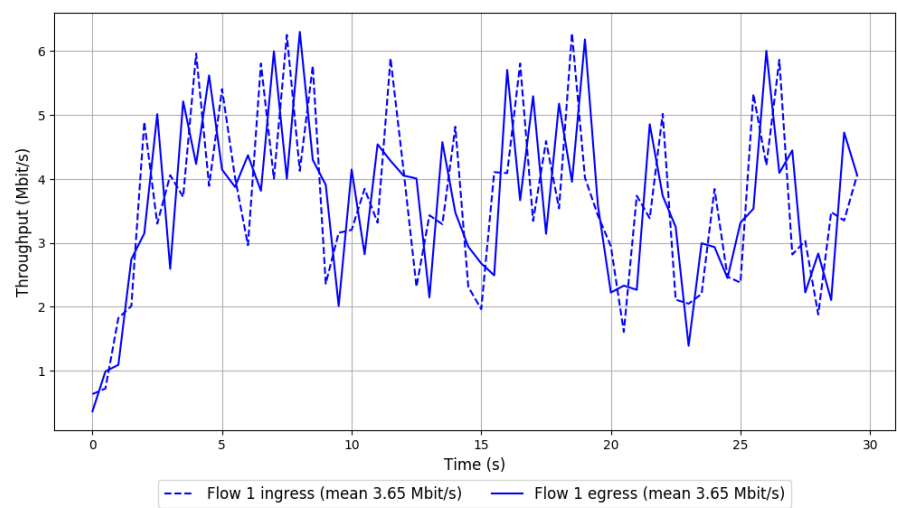
-- Flow 1:

Average throughput: 3.65 Mbit/s

95th percentile per-packet one-way delay: 105.891 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link

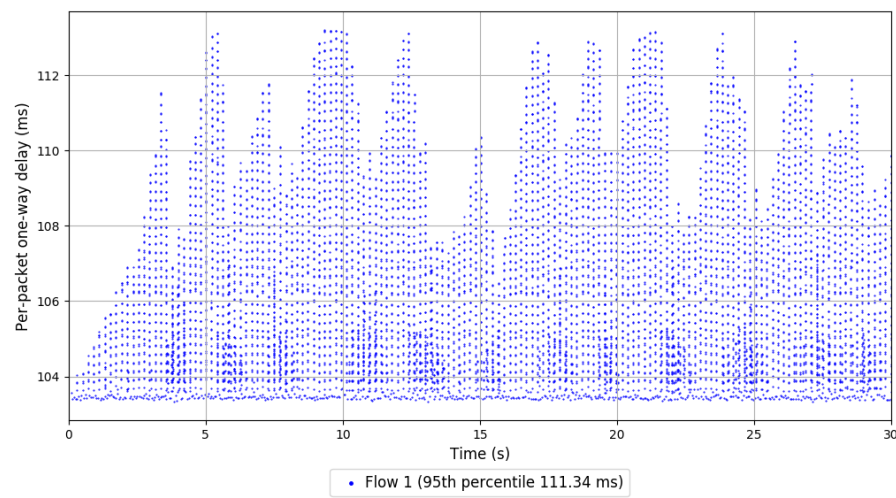
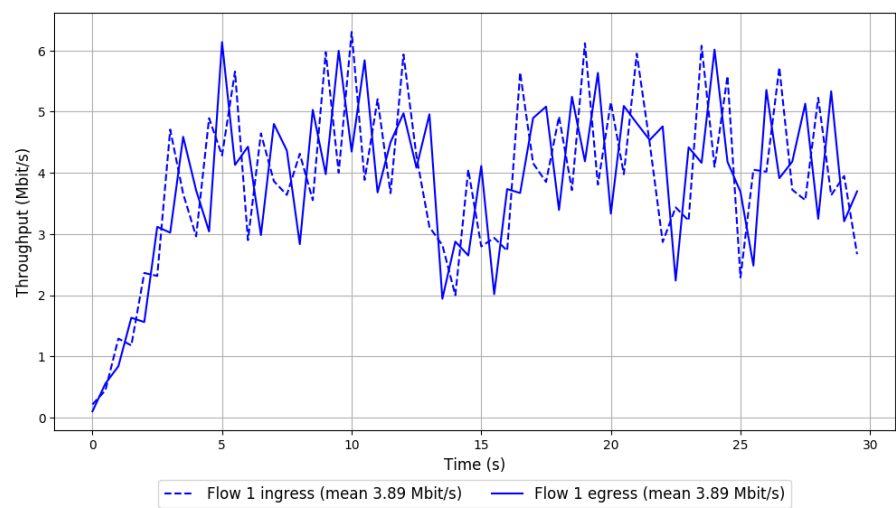


Run 9: Statistics of Sprout

Start at: 2018-04-10 15:48:53  
End at: 2018-04-10 15:49:23  
Local clock offset: -6.825 ms  
Remote clock offset: 7.651 ms

# Below is generated by plot.py at 2018-04-10 16:58:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.89 Mbit/s  
95th percentile per-packet one-way delay: 111.336 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 3.89 Mbit/s  
95th percentile per-packet one-way delay: 111.336 ms  
Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2018-04-10 16:11:21

End at: 2018-04-10 16:11:51

Local clock offset: -6.003 ms

Remote clock offset: 4.172 ms

# Below is generated by plot.py at 2018-04-10 16:58:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.18 Mbit/s

95th percentile per-packet one-way delay: 104.213 ms

Loss rate: 0.00%

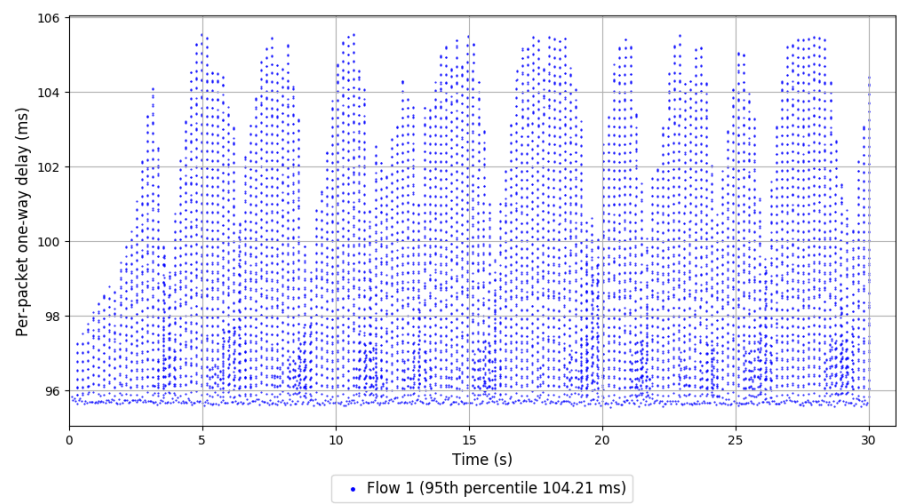
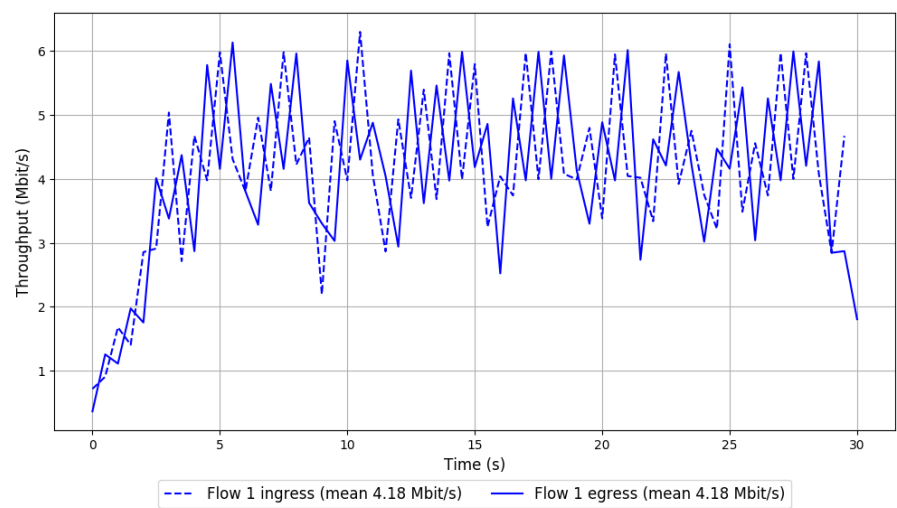
-- Flow 1:

Average throughput: 4.18 Mbit/s

95th percentile per-packet one-way delay: 104.213 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



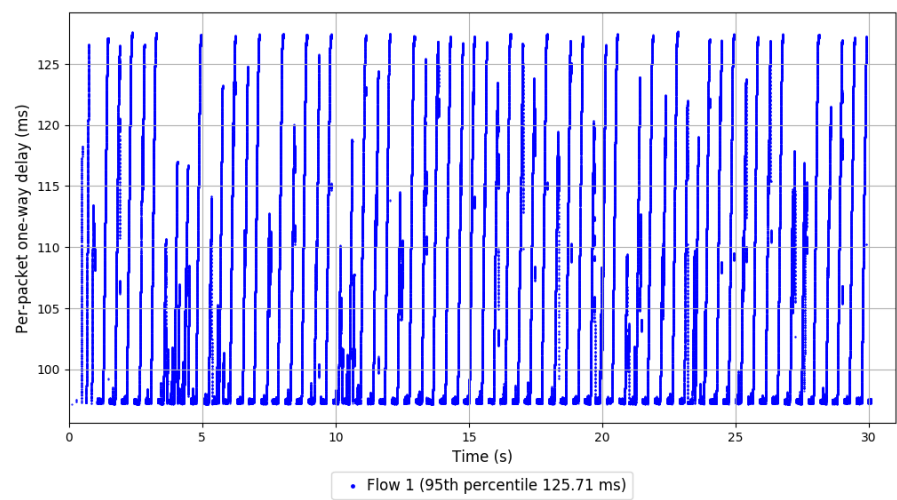
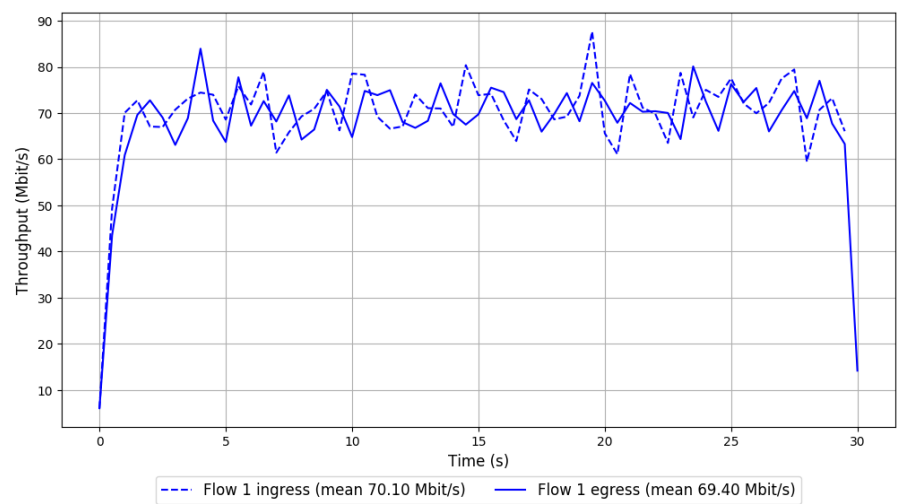
```
Run 1: Statistics of TaoVA-100x

Start at: 2018-04-10 12:57:58
End at: 2018-04-10 12:58:28
Local clock offset: -5.233 ms
Remote clock offset: 1.278 ms

# Below is generated by plot.py at 2018-04-10 16:59:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.40 Mbit/s
95th percentile per-packet one-way delay: 125.713 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 69.40 Mbit/s
95th percentile per-packet one-way delay: 125.713 ms
Loss rate: 1.00%
```



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



Run 2: Statistics of TaoVA-100x

Start at: 2018-04-10 13:20:22

End at: 2018-04-10 13:20:52

Local clock offset: -5.8 ms

Remote clock offset: 5.673 ms

# Below is generated by plot.py at 2018-04-10 16:59:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 67.76 Mbit/s

95th percentile per-packet one-way delay: 136.519 ms

Loss rate: 1.18%

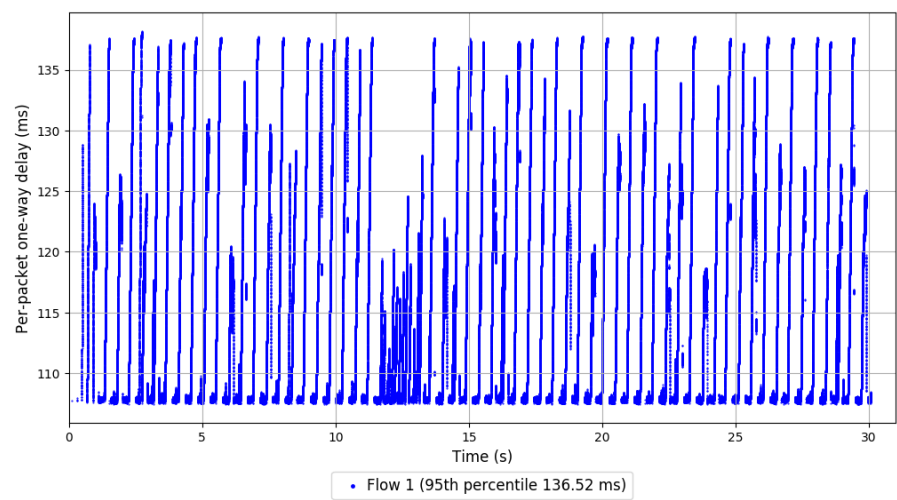
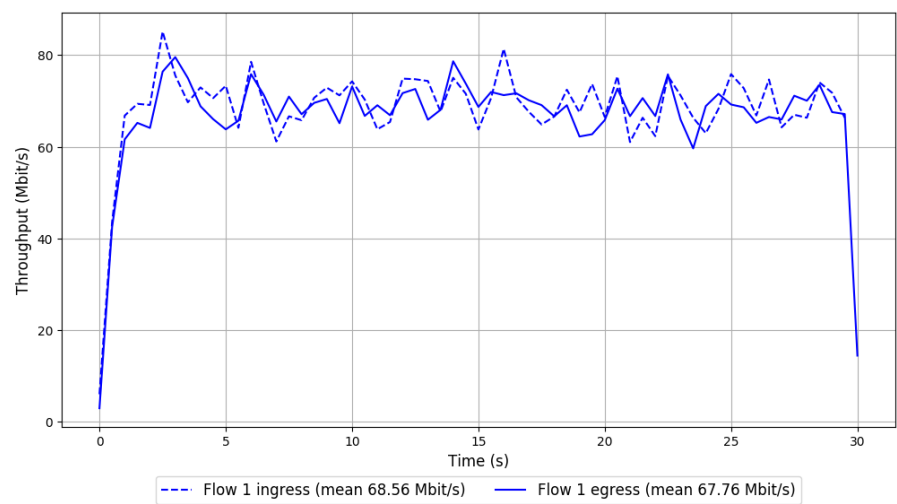
-- Flow 1:

Average throughput: 67.76 Mbit/s

95th percentile per-packet one-way delay: 136.519 ms

Loss rate: 1.18%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-04-10 13:42:36

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

Local clock offset: -5.909 ms

Remote clock offset: 1.862 ms

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

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.54 Mbit/s

95th percentile per-packet one-way delay: 125.064 ms

Loss rate: 1.14%

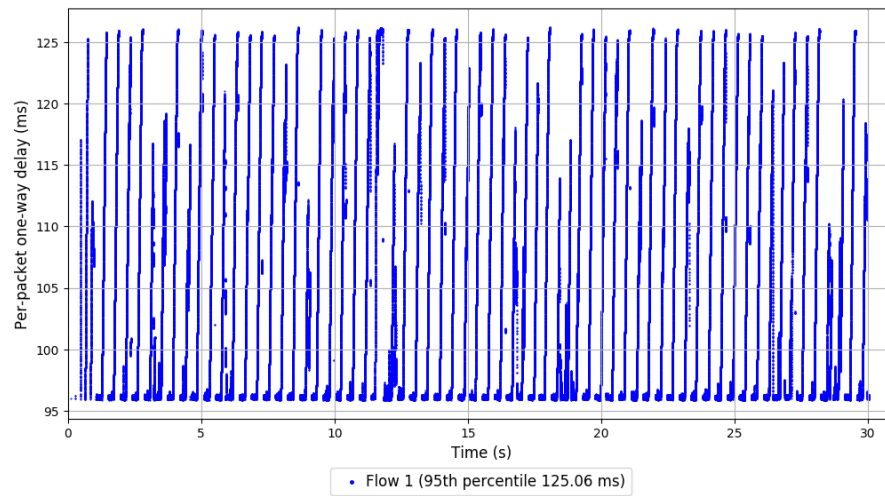
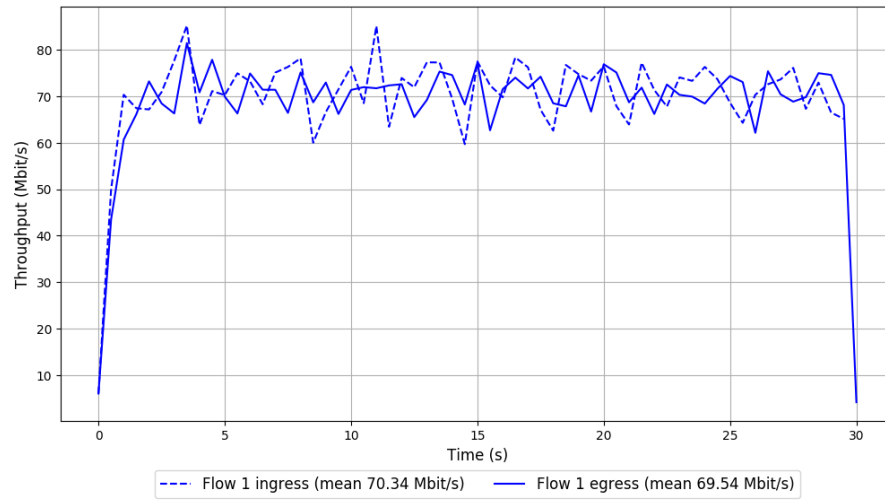
-- Flow 1:

Average throughput: 69.54 Mbit/s

95th percentile per-packet one-way delay: 125.064 ms

Loss rate: 1.14%

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



Run 4: Statistics of TaoVA-100x

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

End at: 2018-04-10 14:05:35

Local clock offset: -6.143 ms

Remote clock offset: 1.512 ms

# Below is generated by plot.py at 2018-04-10 17:00:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.47 Mbit/s

95th percentile per-packet one-way delay: 123.044 ms

Loss rate: 1.23%

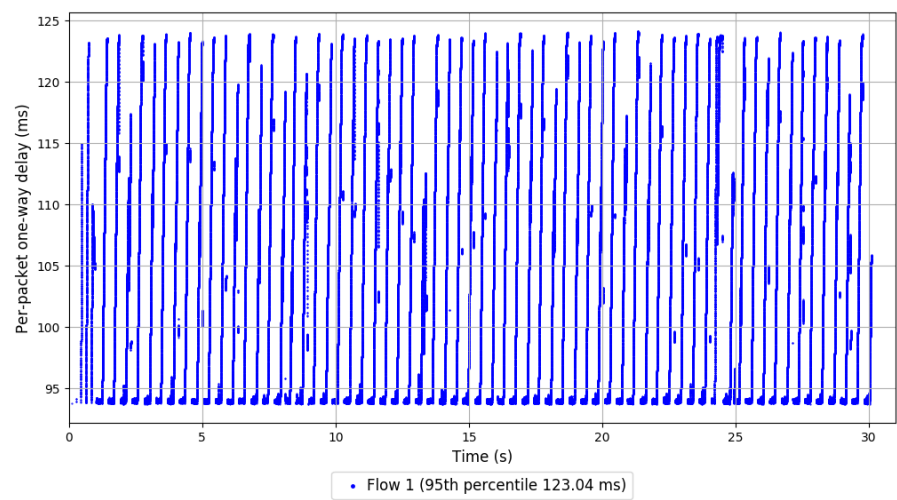
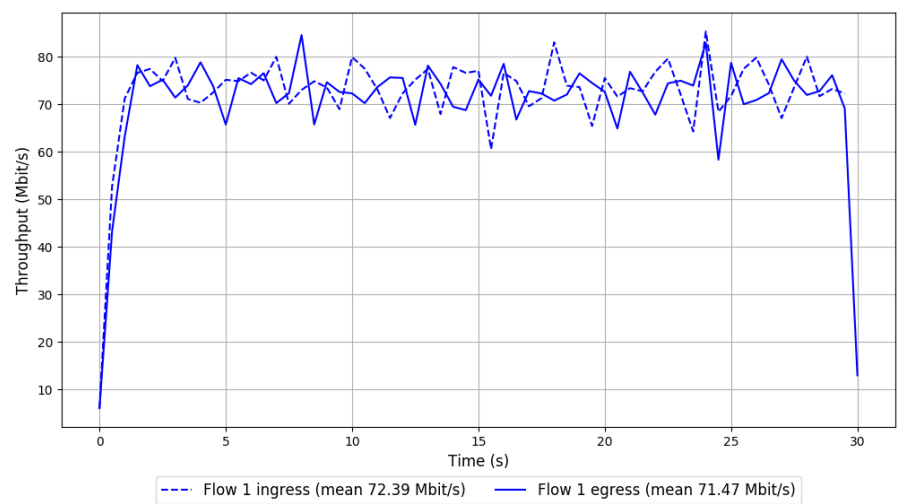
-- Flow 1:

Average throughput: 71.47 Mbit/s

95th percentile per-packet one-way delay: 123.044 ms

Loss rate: 1.23%

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



Run 5: Statistics of TaoVA-100x

Start at: 2018-04-10 14:27:35

End at: 2018-04-10 14:28:05

Local clock offset: -5.865 ms

Remote clock offset: 7.971 ms

# Below is generated by plot.py at 2018-04-10 17:00:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.03 Mbit/s

95th percentile per-packet one-way delay: 129.831 ms

Loss rate: 1.10%

-- Flow 1:

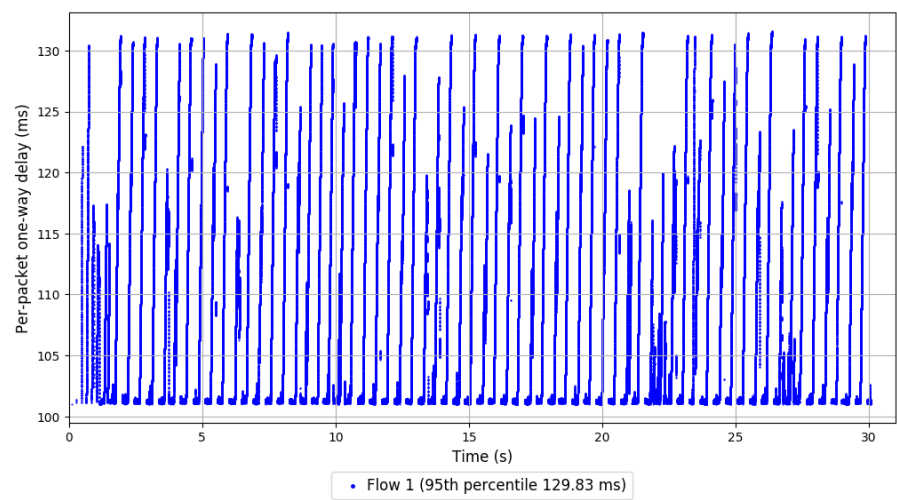
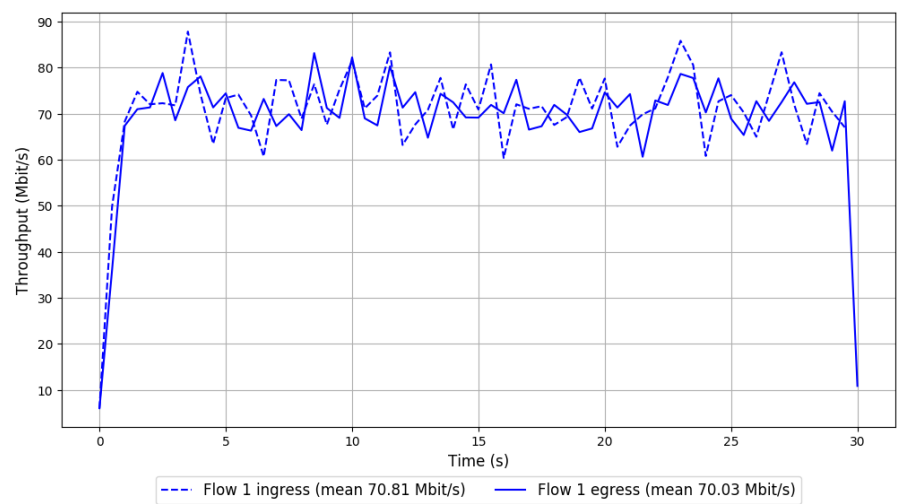
Average throughput: 70.03 Mbit/s

95th percentile per-packet one-way delay: 129.831 ms

Loss rate: 1.10%



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



Run 6: Statistics of TaoVA-100x

Start at: 2018-04-10 14:50:13

End at: 2018-04-10 14:50:43

Local clock offset: -6.616 ms

Remote clock offset: 3.69 ms

# Below is generated by plot.py at 2018-04-10 17:00:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.12 Mbit/s

95th percentile per-packet one-way delay: 127.444 ms

Loss rate: 1.04%

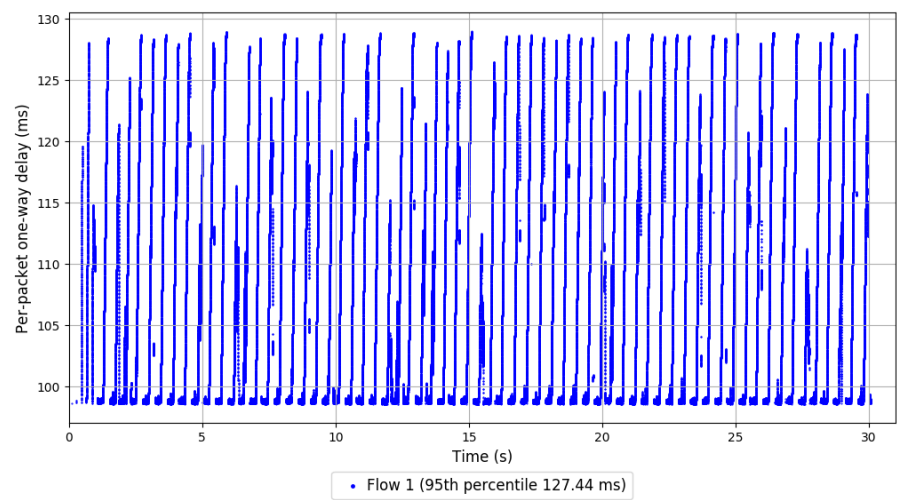
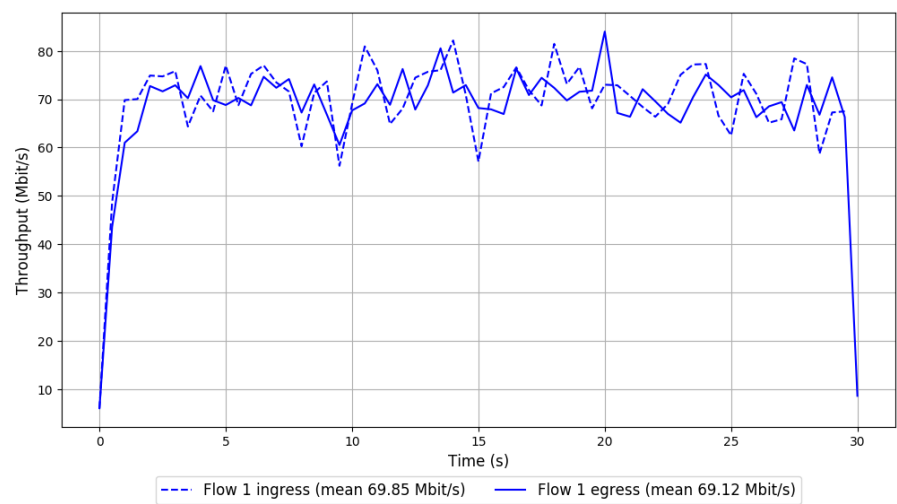
-- Flow 1:

Average throughput: 69.12 Mbit/s

95th percentile per-packet one-way delay: 127.444 ms

Loss rate: 1.04%

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



Run 7: Statistics of TaoVA-100x

Start at: 2018-04-10 15:12:43

End at: 2018-04-10 15:13:13

Local clock offset: -5.718 ms

Remote clock offset: 2.748 ms

# Below is generated by plot.py at 2018-04-10 17:00:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.50 Mbit/s

95th percentile per-packet one-way delay: 126.294 ms

Loss rate: 1.17%

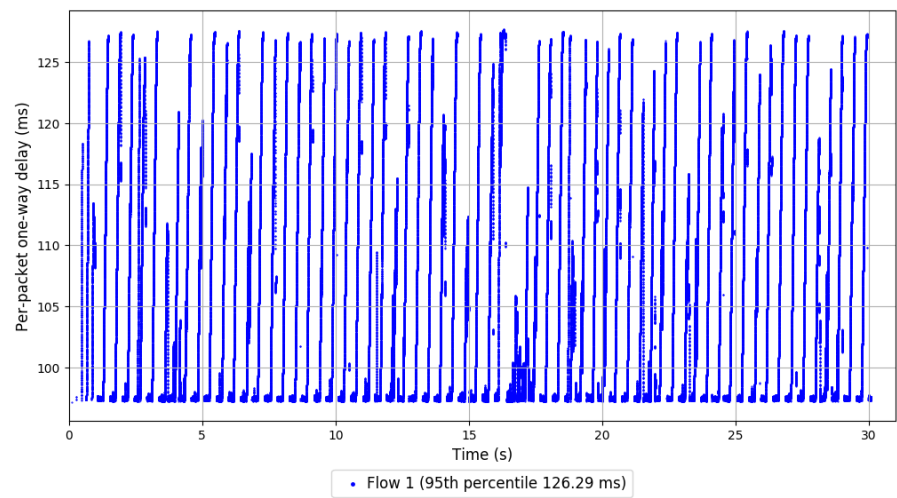
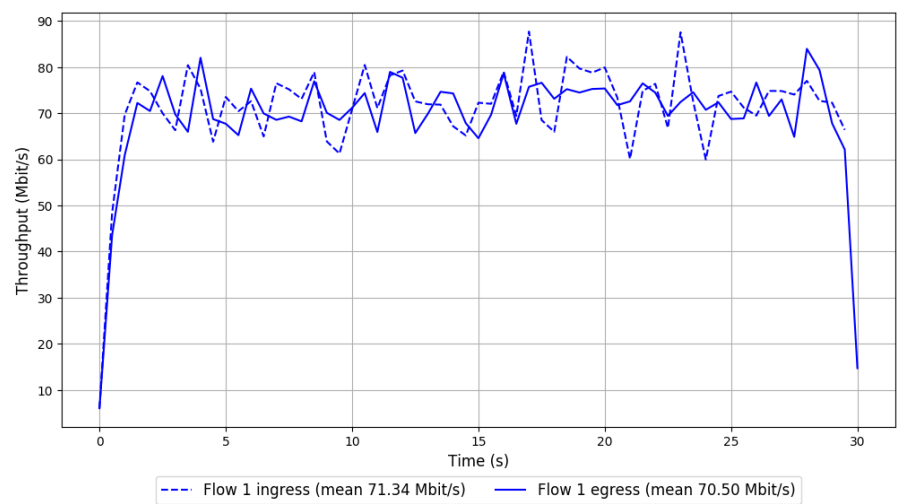
-- Flow 1:

Average throughput: 70.50 Mbit/s

95th percentile per-packet one-way delay: 126.294 ms

Loss rate: 1.17%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-10 15:35:20

End at: 2018-04-10 15:35:50

Local clock offset: -6.007 ms

Remote clock offset: 2.794 ms

# Below is generated by plot.py at 2018-04-10 17:00:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.75 Mbit/s

95th percentile per-packet one-way delay: 126.531 ms

Loss rate: 1.04%

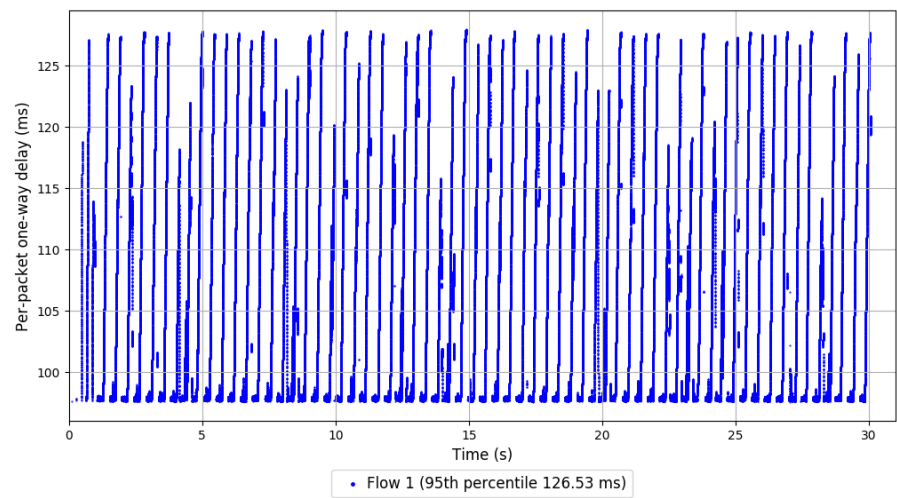
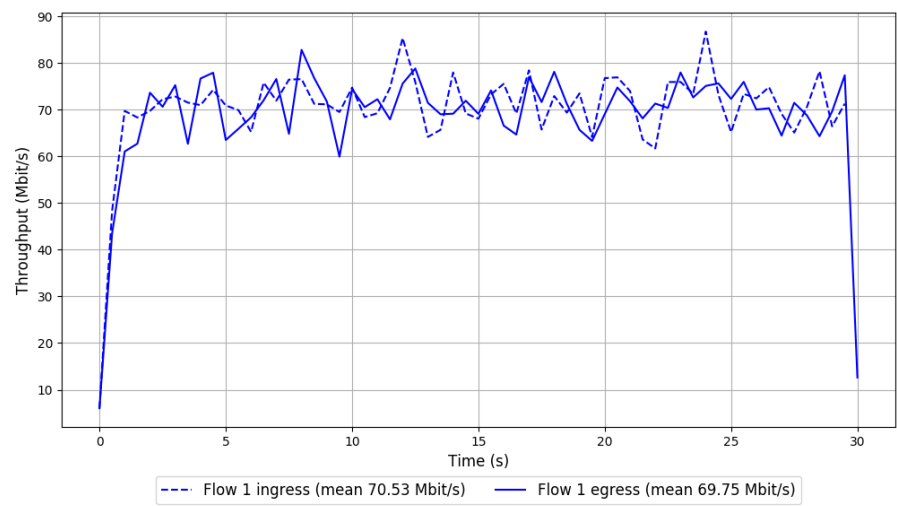
-- Flow 1:

Average throughput: 69.75 Mbit/s

95th percentile per-packet one-way delay: 126.531 ms

Loss rate: 1.04%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-10 15:57:46

End at: 2018-04-10 15:58:16

Local clock offset: -6.781 ms

Remote clock offset: 7.683 ms

# Below is generated by plot.py at 2018-04-10 17:01:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.41 Mbit/s

95th percentile per-packet one-way delay: 133.150 ms

Loss rate: 1.04%

-- Flow 1:

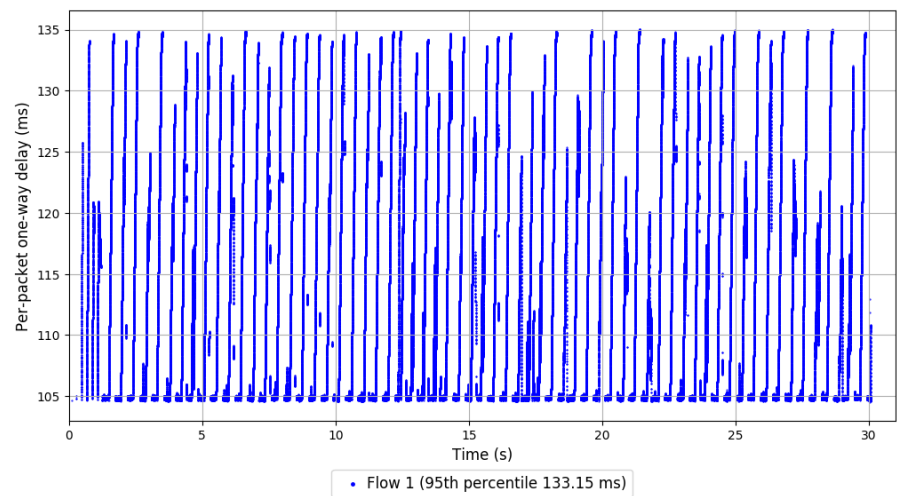
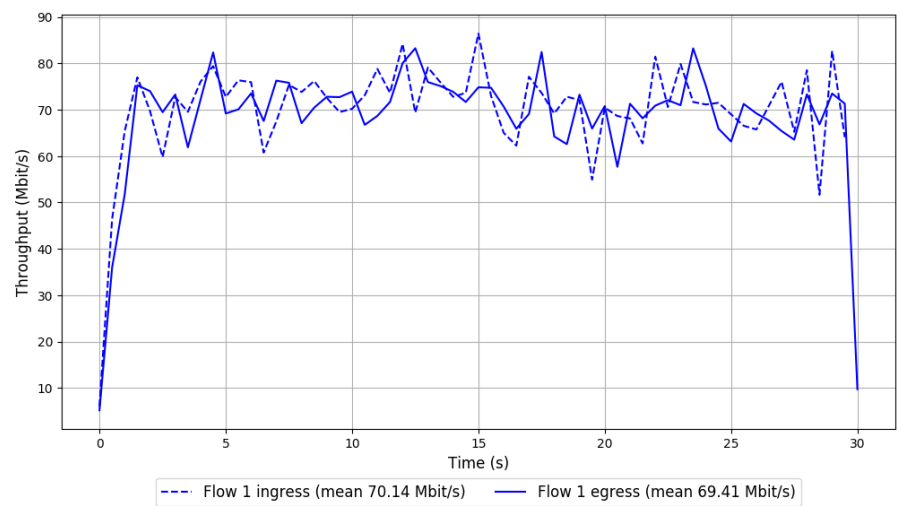
Average throughput: 69.41 Mbit/s

95th percentile per-packet one-way delay: 133.150 ms

Loss rate: 1.04%



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



Run 10: Statistics of TaoVA-100x

Start at: 2018-04-10 16:20:01

End at: 2018-04-10 16:20:31

Local clock offset: -6.01 ms

Remote clock offset: 9.489 ms

# Below is generated by plot.py at 2018-04-10 17:02:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.16 Mbit/s

95th percentile per-packet one-way delay: 130.206 ms

Loss rate: 1.10%

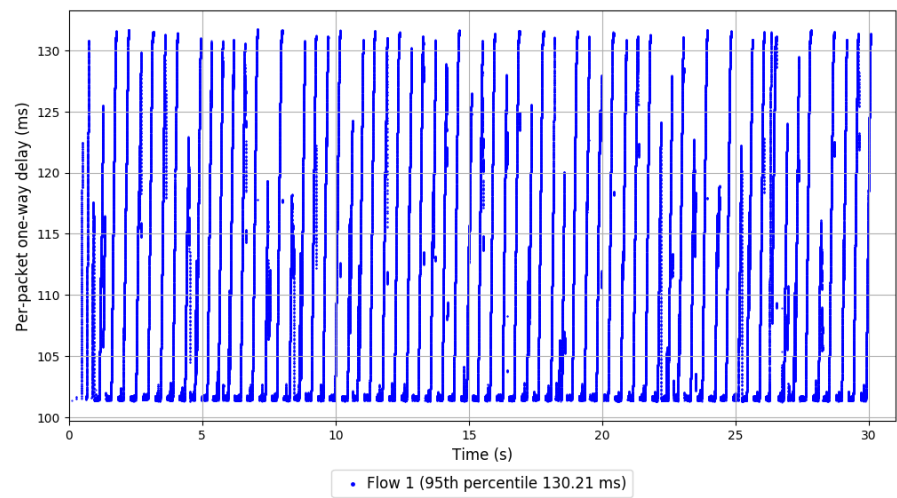
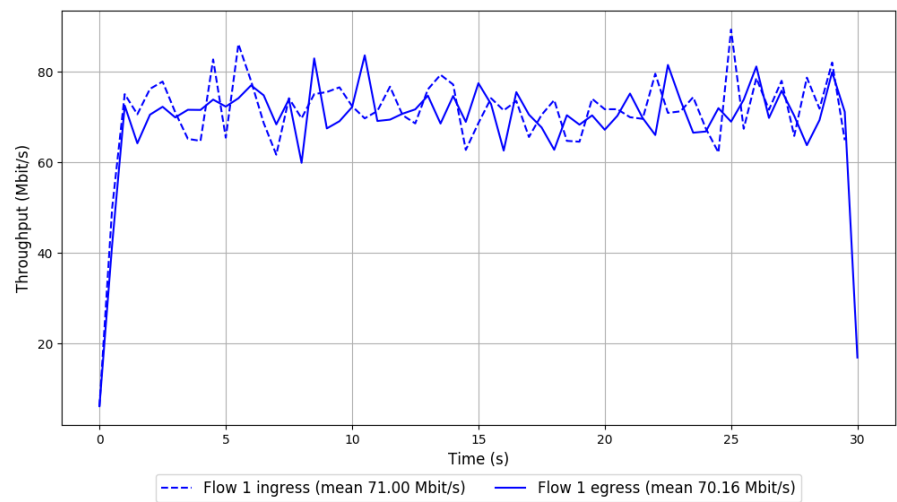
-- Flow 1:

Average throughput: 70.16 Mbit/s

95th percentile per-packet one-way delay: 130.206 ms

Loss rate: 1.10%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-10 12:46:42

End at: 2018-04-10 12:47:12

Local clock offset: -5.969 ms

Remote clock offset: 5.827 ms

# Below is generated by plot.py at 2018-04-10 17:02:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 36.42 Mbit/s

95th percentile per-packet one-way delay: 103.008 ms

Loss rate: 0.35%

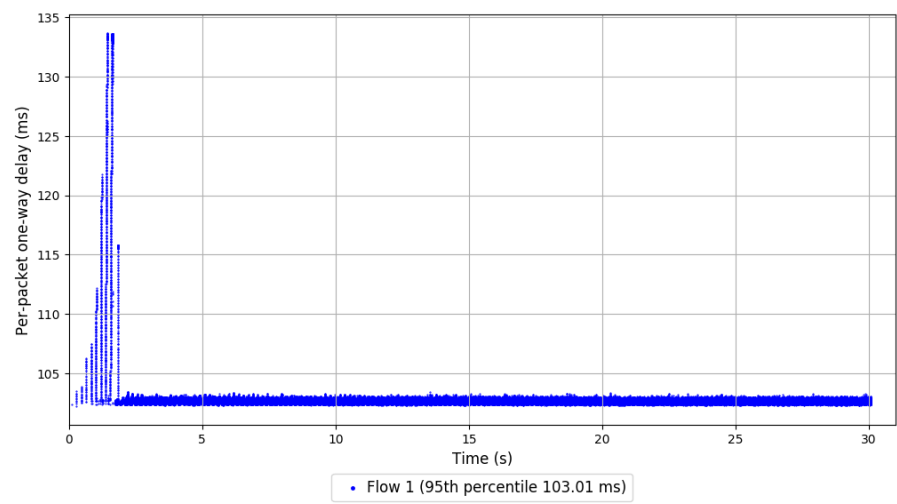
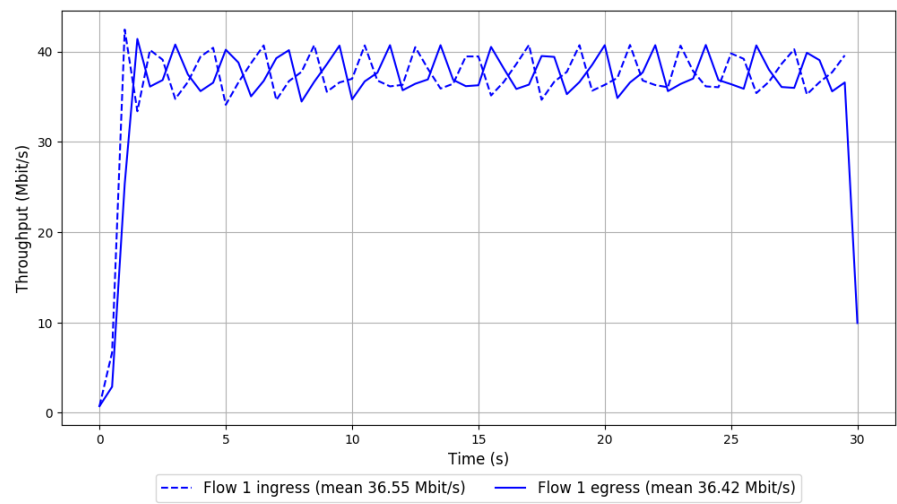
-- Flow 1:

Average throughput: 36.42 Mbit/s

95th percentile per-packet one-way delay: 103.008 ms

Loss rate: 0.35%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2018-04-10 13:09:02

End at: 2018-04-10 13:09:32

Local clock offset: -5.858 ms

Remote clock offset: 1.343 ms

# Below is generated by plot.py at 2018-04-10 17:02:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.96 Mbit/s

95th percentile per-packet one-way delay: 98.452 ms

Loss rate: 0.30%

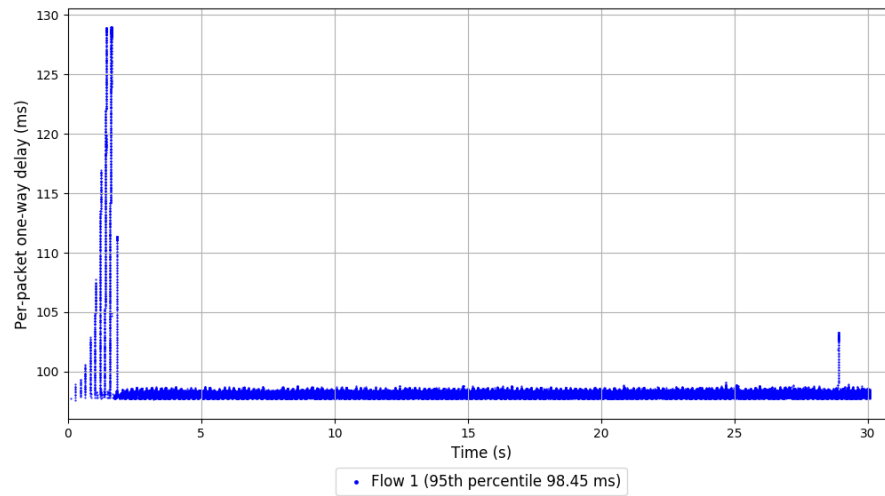
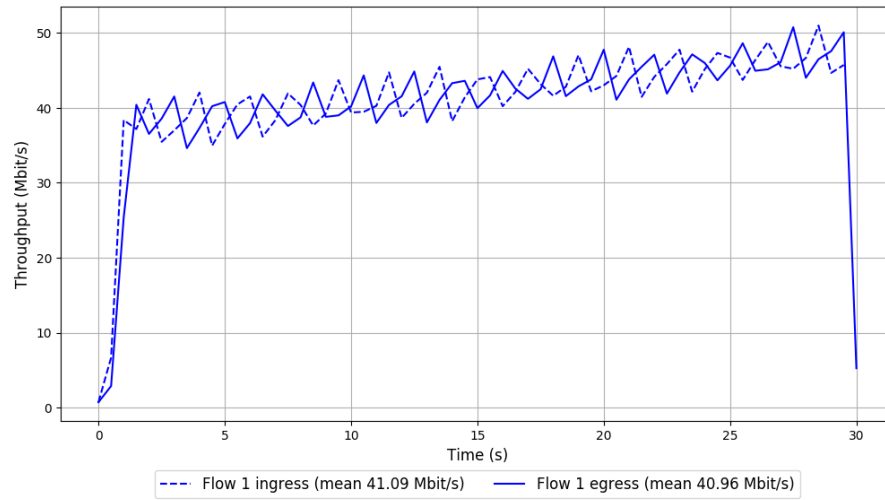
-- Flow 1:

Average throughput: 40.96 Mbit/s

95th percentile per-packet one-way delay: 98.452 ms

Loss rate: 0.30%

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



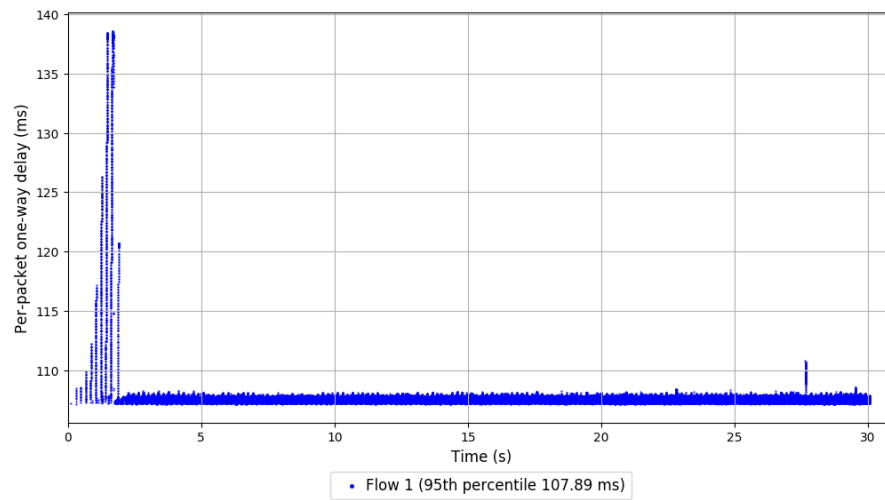
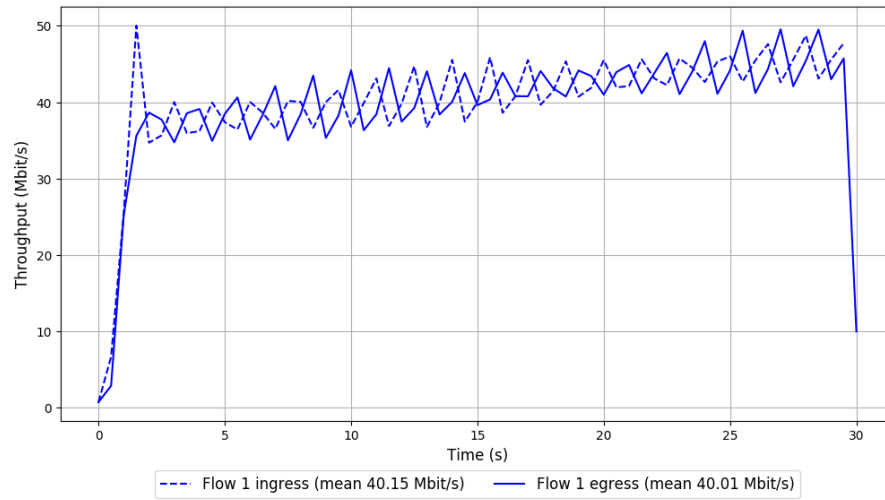
Run 3: Statistics of TCP Vegas

Start at: 2018-04-10 13:31:30  
End at: 2018-04-10 13:32:00  
Local clock offset: -6.547 ms  
Remote clock offset: 6.682 ms

# Below is generated by plot.py at 2018-04-10 17:02:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 40.01 Mbit/s  
95th percentile per-packet one-way delay: 107.891 ms  
Loss rate: 0.35%  
-- Flow 1:  
Average throughput: 40.01 Mbit/s  
95th percentile per-packet one-way delay: 107.891 ms  
Loss rate: 0.35%



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



Run 4: Statistics of TCP Vegas

Start at: 2018-04-10 13:53:45

End at: 2018-04-10 13:54:15

Local clock offset: -6.093 ms

Remote clock offset: 7.064 ms

# Below is generated by plot.py at 2018-04-10 17:02:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 37.07 Mbit/s

95th percentile per-packet one-way delay: 100.104 ms

Loss rate: 0.33%

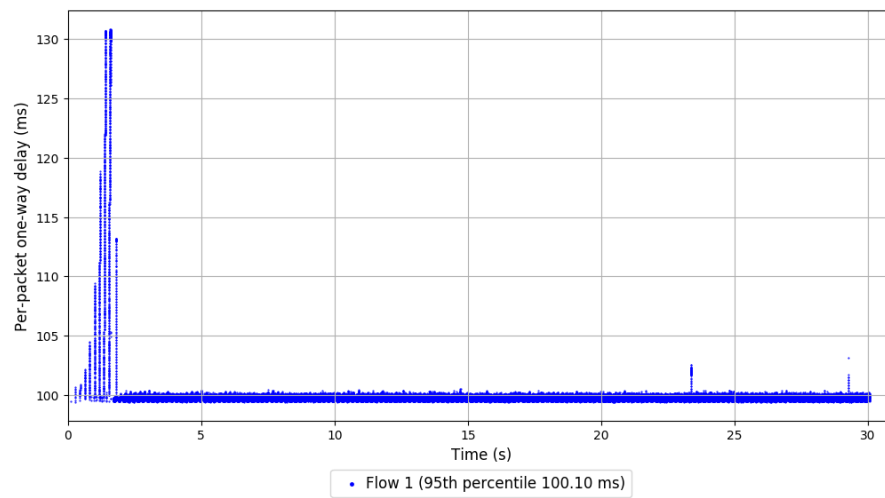
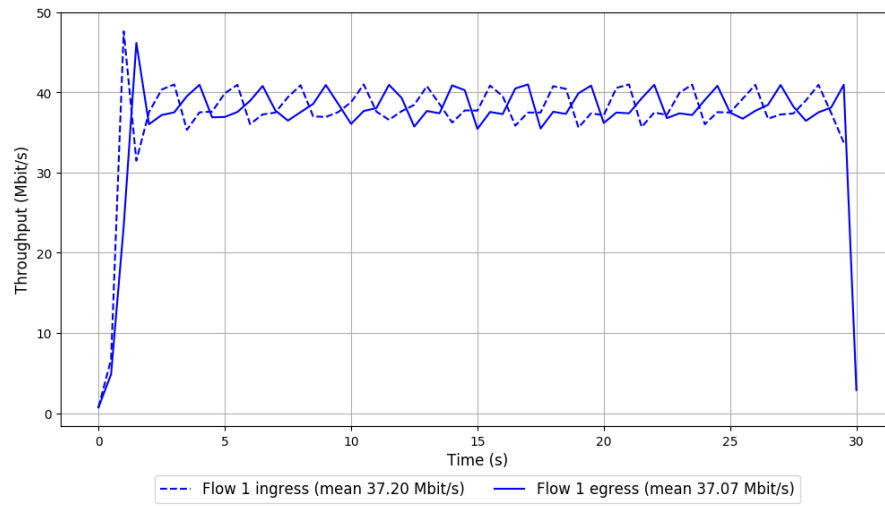
-- Flow 1:

Average throughput: 37.07 Mbit/s

95th percentile per-packet one-way delay: 100.104 ms

Loss rate: 0.33%

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



Run 5: Statistics of TCP Vegas

Start at: 2018-04-10 14:16:13

End at: 2018-04-10 14:16:43

Local clock offset: -6.01 ms

Remote clock offset: 1.678 ms

# Below is generated by plot.py at 2018-04-10 17:02:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 41.55 Mbit/s

95th percentile per-packet one-way delay: 93.219 ms

Loss rate: 0.29%

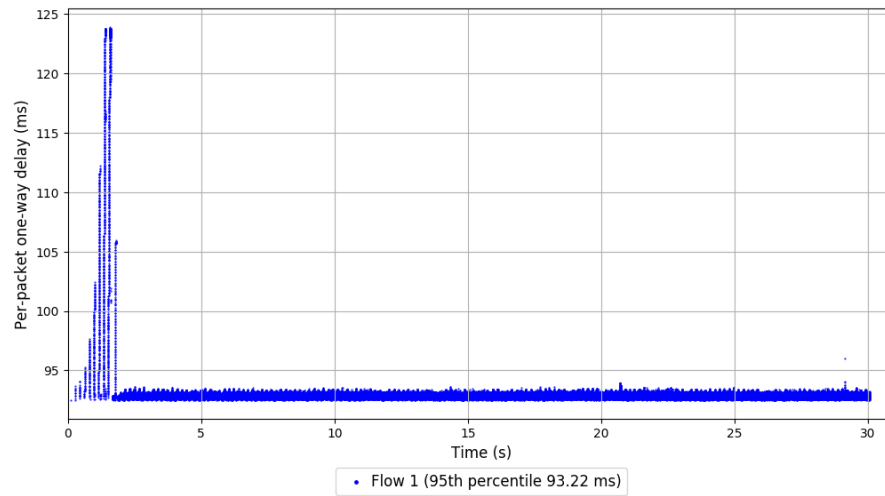
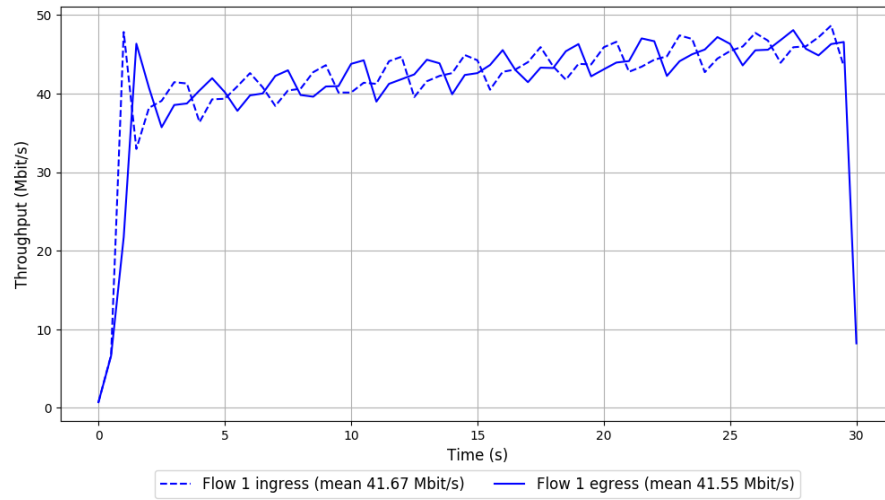
-- Flow 1:

Average throughput: 41.55 Mbit/s

95th percentile per-packet one-way delay: 93.219 ms

Loss rate: 0.29%

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



Run 6: Statistics of TCP Vegas

Start at: 2018-04-10 14:39:02

End at: 2018-04-10 14:39:32

Local clock offset: -6.651 ms

Remote clock offset: 3.471 ms

# Below is generated by plot.py at 2018-04-10 17:02:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 41.15 Mbit/s

95th percentile per-packet one-way delay: 97.600 ms

Loss rate: 0.30%

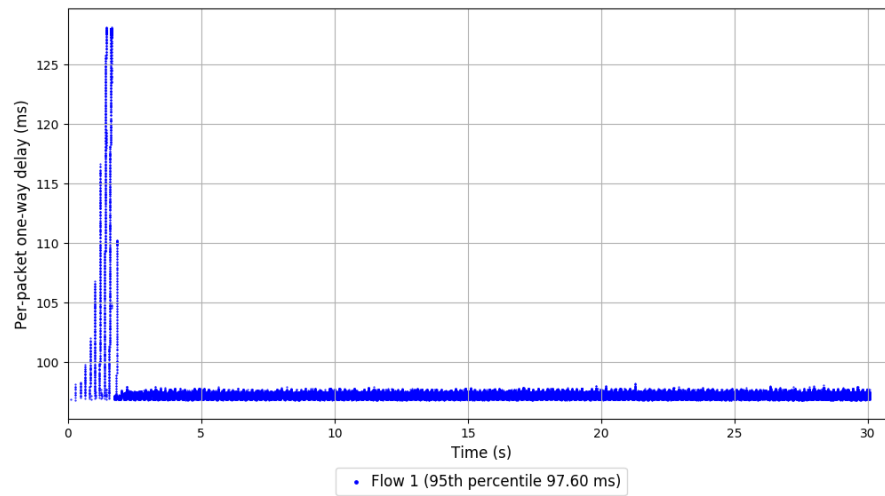
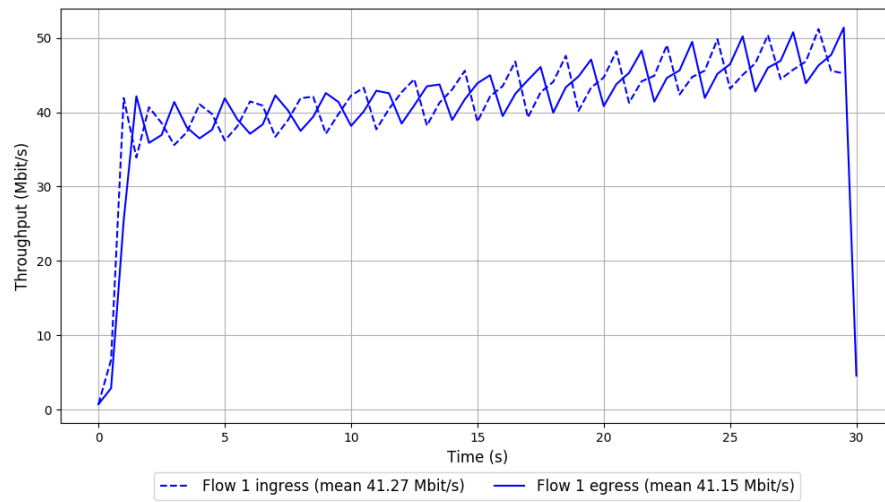
-- Flow 1:

Average throughput: 41.15 Mbit/s

95th percentile per-packet one-way delay: 97.600 ms

Loss rate: 0.30%

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



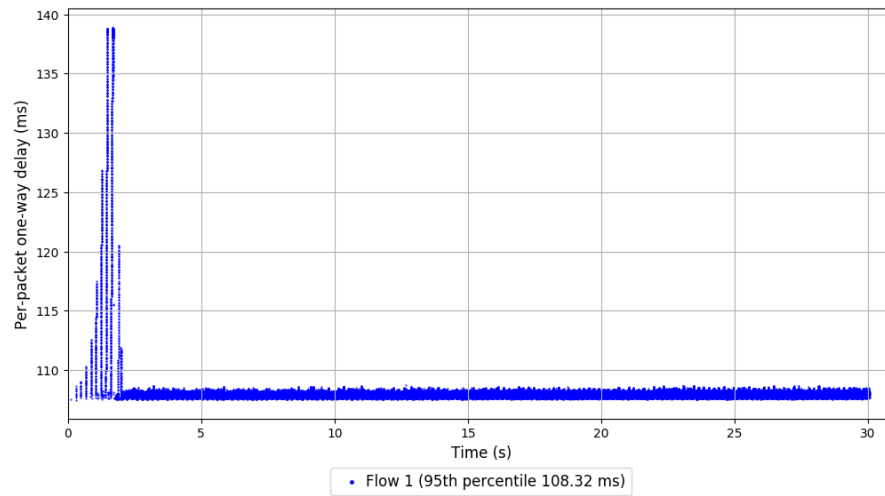
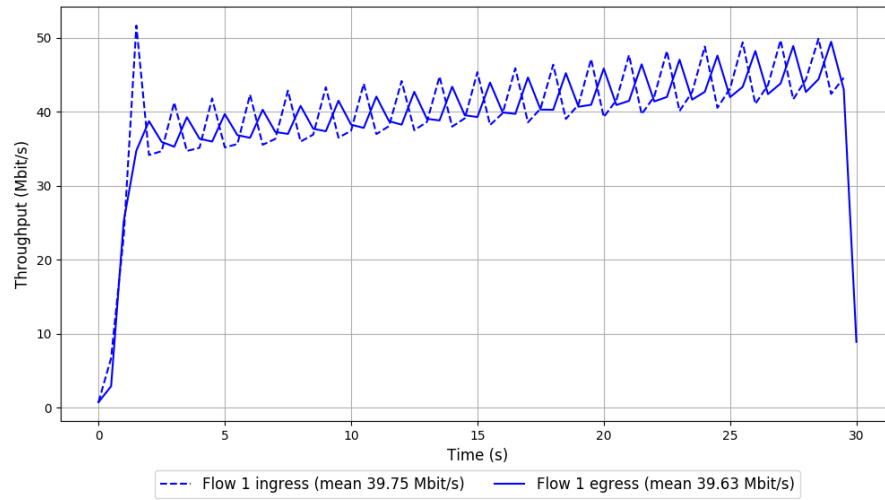
Run 7: Statistics of TCP Vegas

Start at: 2018-04-10 15:01:22  
End at: 2018-04-10 15:01:52  
Local clock offset: -6.486 ms  
Remote clock offset: 7.868 ms

# Below is generated by plot.py at 2018-04-10 17:02:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 39.63 Mbit/s  
95th percentile per-packet one-way delay: 108.322 ms  
Loss rate: 0.31%  
-- Flow 1:  
Average throughput: 39.63 Mbit/s  
95th percentile per-packet one-way delay: 108.322 ms  
Loss rate: 0.31%



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



Run 8: Statistics of TCP Vegas

Start at: 2018-04-10 15:23:57

End at: 2018-04-10 15:24:27

Local clock offset: -5.04 ms

Remote clock offset: 7.495 ms

# Below is generated by plot.py at 2018-04-10 17:02:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.46 Mbit/s

95th percentile per-packet one-way delay: 103.814 ms

Loss rate: 0.31%

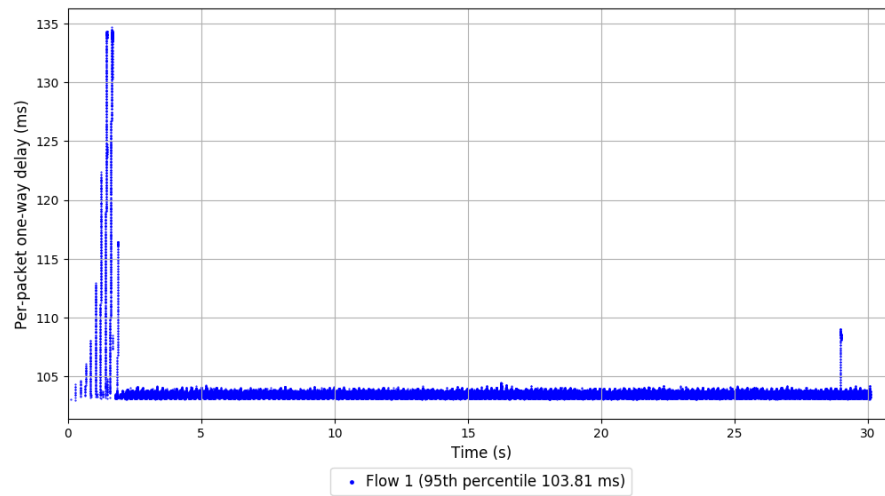
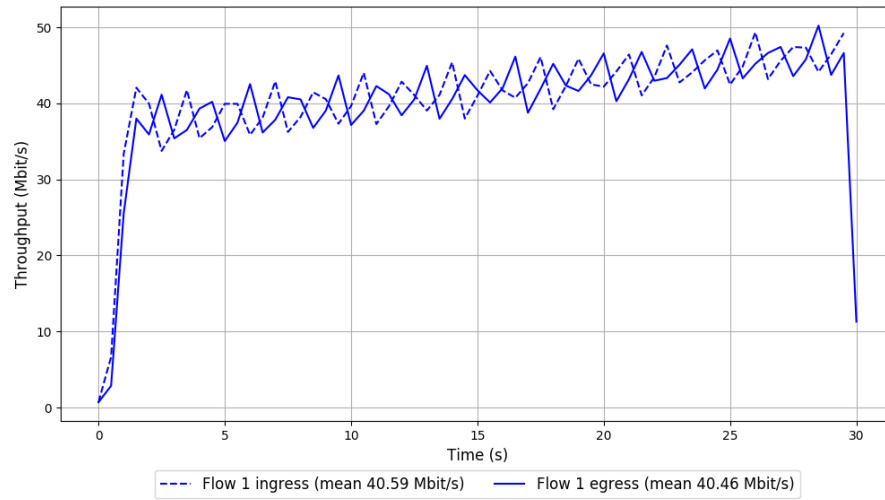
-- Flow 1:

Average throughput: 40.46 Mbit/s

95th percentile per-packet one-way delay: 103.814 ms

Loss rate: 0.31%

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



Run 9: Statistics of TCP Vegas

Start at: 2018-04-10 15:46:28

End at: 2018-04-10 15:46:58

Local clock offset: -5.288 ms

Remote clock offset: 2.812 ms

# Below is generated by plot.py at 2018-04-10 17:02:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 21.84 Mbit/s

95th percentile per-packet one-way delay: 99.000 ms

Loss rate: 0.84%

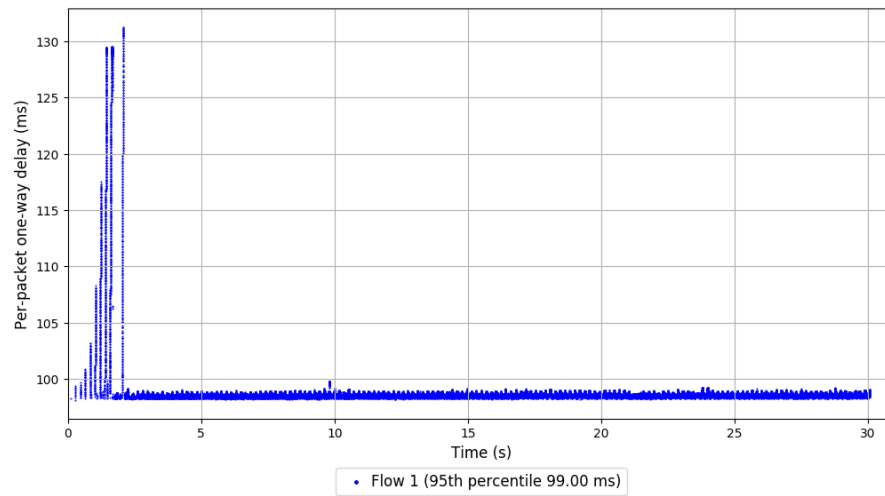
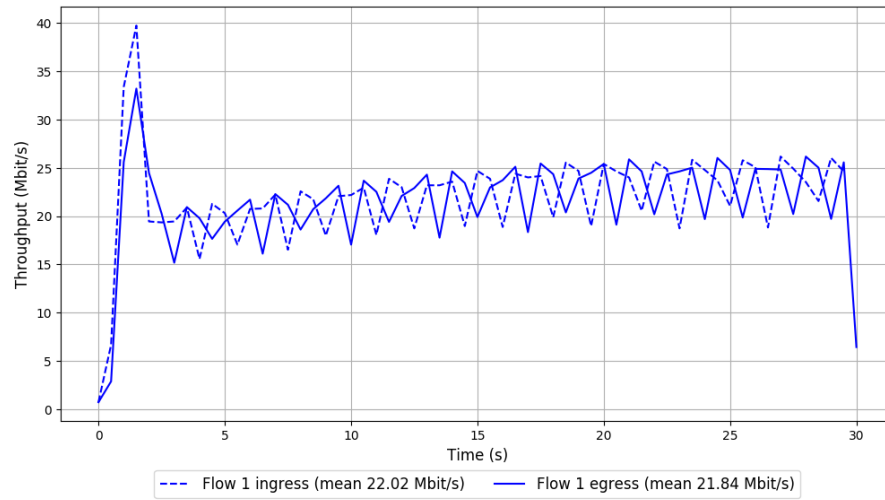
-- Flow 1:

Average throughput: 21.84 Mbit/s

95th percentile per-packet one-way delay: 99.000 ms

Loss rate: 0.84%

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



Run 10: Statistics of TCP Vegas

Start at: 2018-04-10 16:08:54

End at: 2018-04-10 16:09:24

Local clock offset: -5.226 ms

Remote clock offset: 8.789 ms

# Below is generated by plot.py at 2018-04-10 17:02:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.50 Mbit/s

95th percentile per-packet one-way delay: 102.647 ms

Loss rate: 0.30%

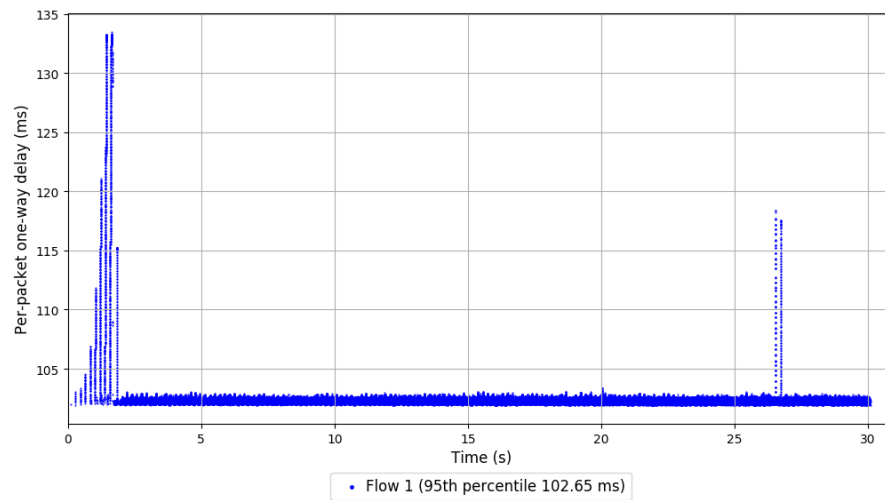
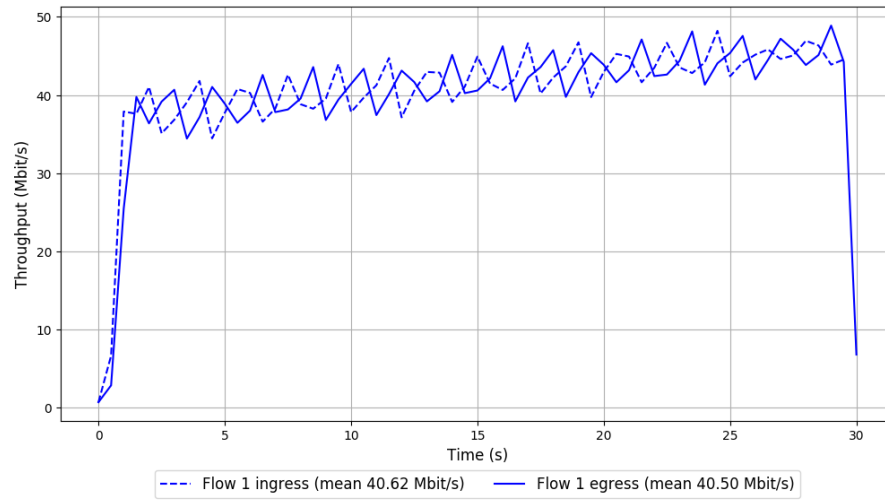
-- Flow 1:

Average throughput: 40.50 Mbit/s

95th percentile per-packet one-way delay: 102.647 ms

Loss rate: 0.30%

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



Run 1: Statistics of Verus

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

End at: 2018-04-10 13:04:40

Local clock offset: -5.155 ms

Remote clock offset: 6.145 ms

# Below is generated by plot.py at 2018-04-10 17:02:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 24.32 Mbit/s

95th percentile per-packet one-way delay: 130.897 ms

Loss rate: 8.73%

-- Flow 1:

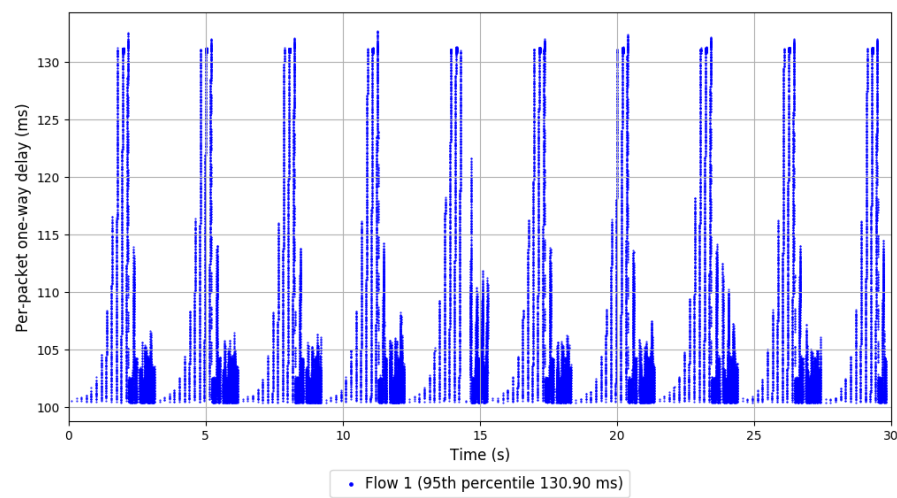
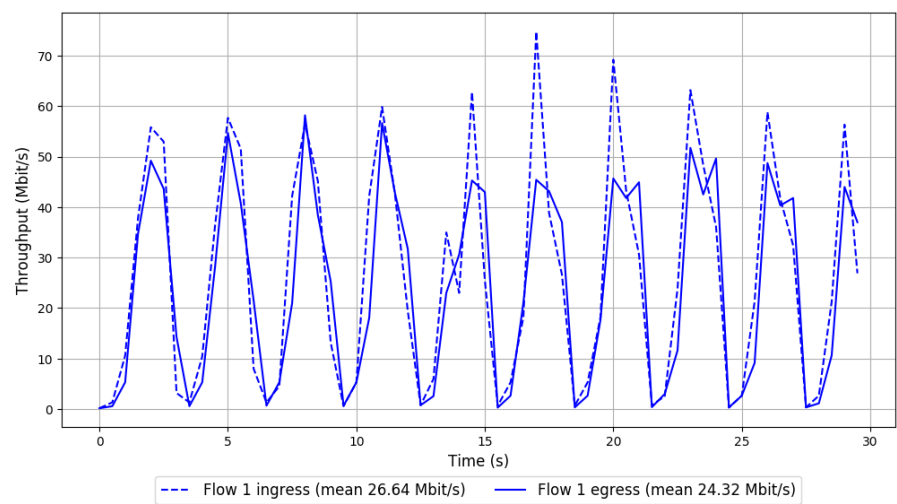
Average throughput: 24.32 Mbit/s

95th percentile per-packet one-way delay: 130.897 ms

Loss rate: 8.73%



Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2018-04-10 13:26:35

End at: 2018-04-10 13:27:05

Local clock offset: -5.728 ms

Remote clock offset: 7.385 ms

# Below is generated by plot.py at 2018-04-10 17:02:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 32.28 Mbit/s

95th percentile per-packet one-way delay: 153.437 ms

Loss rate: 57.00%

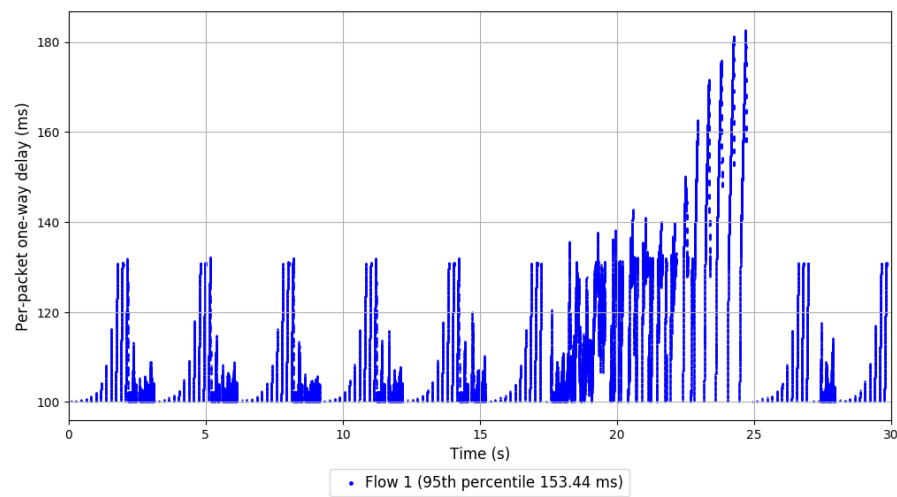
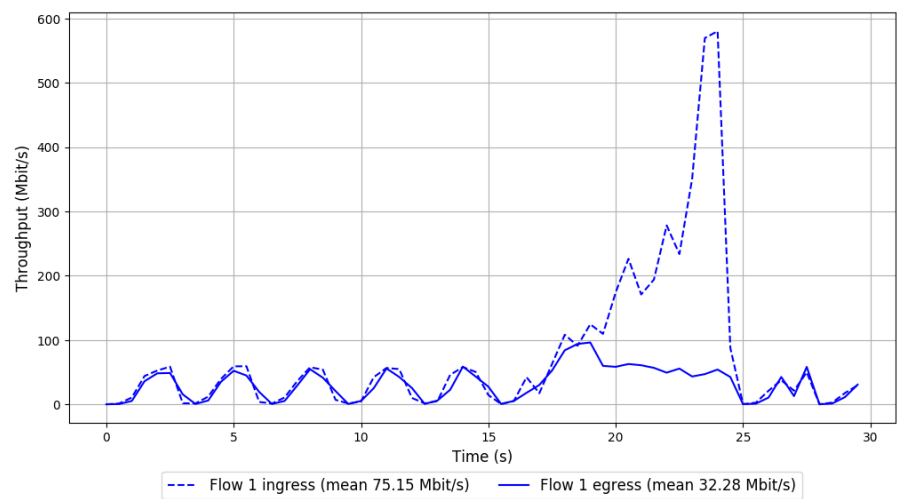
-- Flow 1:

Average throughput: 32.28 Mbit/s

95th percentile per-packet one-way delay: 153.437 ms

Loss rate: 57.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2018-04-10 13:48:51

End at: 2018-04-10 13:49:21

Local clock offset: -5.221 ms

Remote clock offset: 1.257 ms

# Below is generated by plot.py at 2018-04-10 17:02:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 24.17 Mbit/s

95th percentile per-packet one-way delay: 123.049 ms

Loss rate: 8.32%

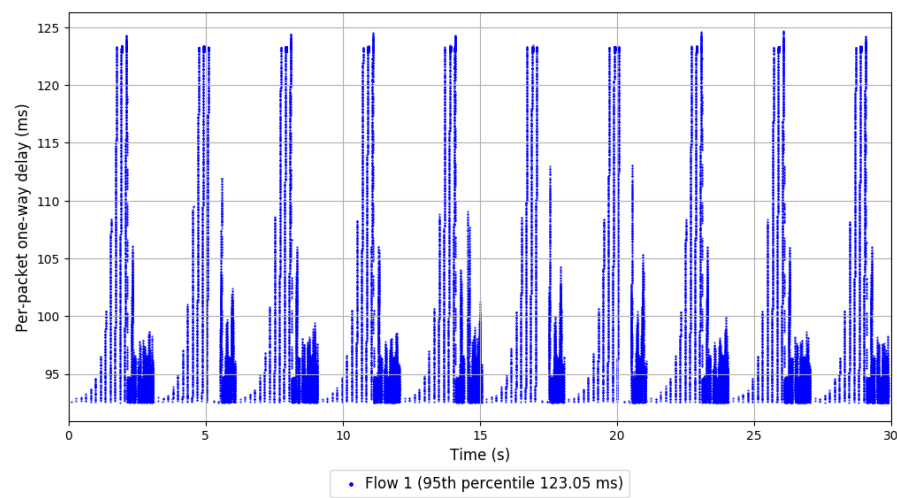
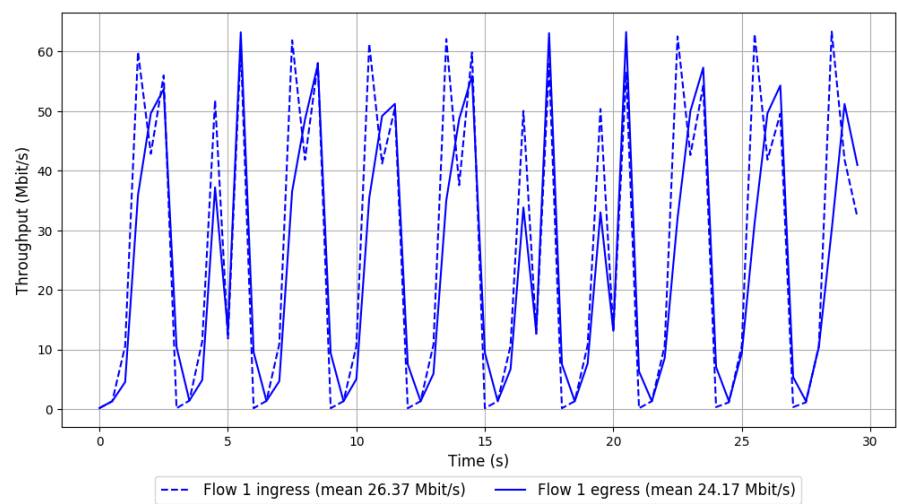
-- Flow 1:

Average throughput: 24.17 Mbit/s

95th percentile per-packet one-way delay: 123.049 ms

Loss rate: 8.32%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2018-04-10 14:11:19

End at: 2018-04-10 14:11:49

Local clock offset: -6.149 ms

Remote clock offset: 8.071 ms

# Below is generated by plot.py at 2018-04-10 17:02:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 27.75 Mbit/s

95th percentile per-packet one-way delay: 133.553 ms

Loss rate: 9.36%

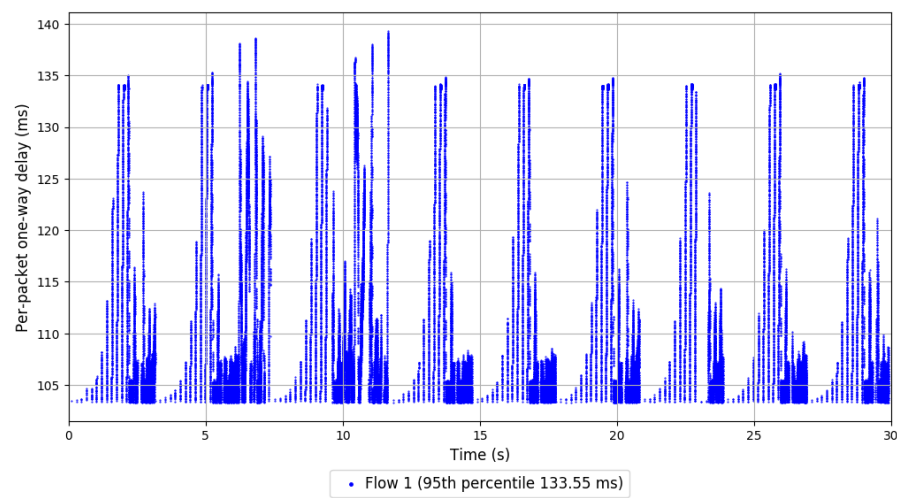
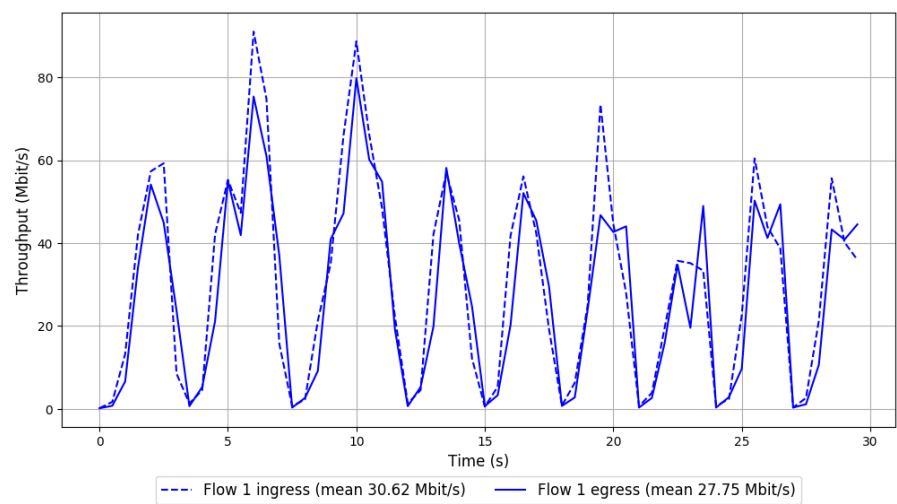
-- Flow 1:

Average throughput: 27.75 Mbit/s

95th percentile per-packet one-way delay: 133.553 ms

Loss rate: 9.36%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2018-04-10 14:33:48

End at: 2018-04-10 14:34:18

Local clock offset: -6.715 ms

Remote clock offset: 8.206 ms

# Below is generated by plot.py at 2018-04-10 17:02:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 24.86 Mbit/s

95th percentile per-packet one-way delay: 132.264 ms

Loss rate: 9.12%

-- Flow 1:

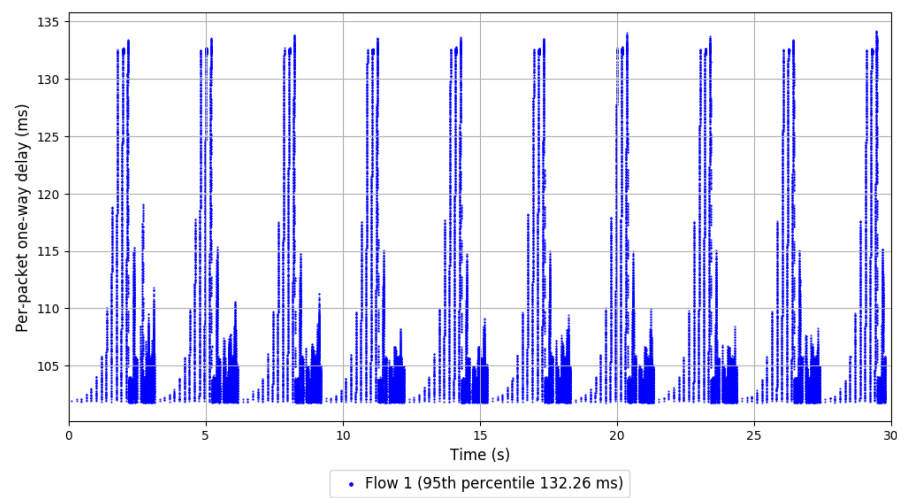
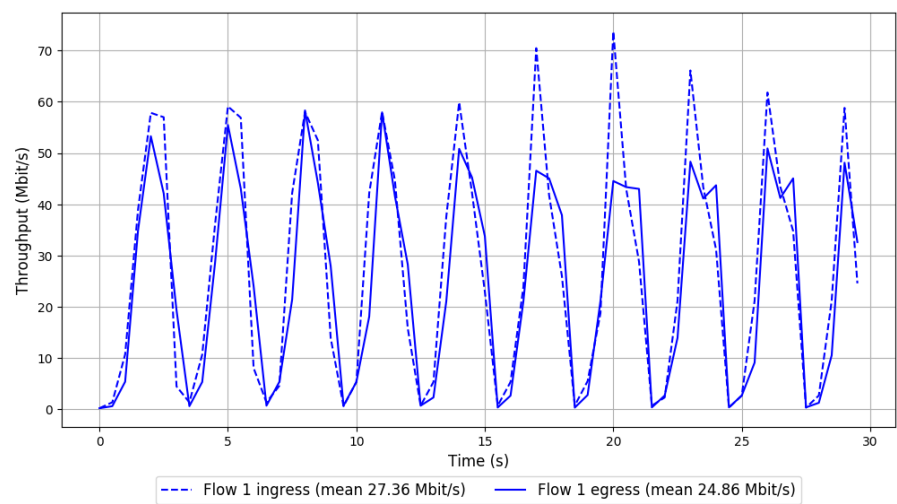
Average throughput: 24.86 Mbit/s

95th percentile per-packet one-way delay: 132.264 ms

Loss rate: 9.12%



Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2018-04-10 14:56:28

End at: 2018-04-10 14:56:58

Local clock offset: -5.783 ms

Remote clock offset: 8.202 ms

# Below is generated by plot.py at 2018-04-10 17:02:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.62 Mbit/s

95th percentile per-packet one-way delay: 138.964 ms

Loss rate: 7.76%

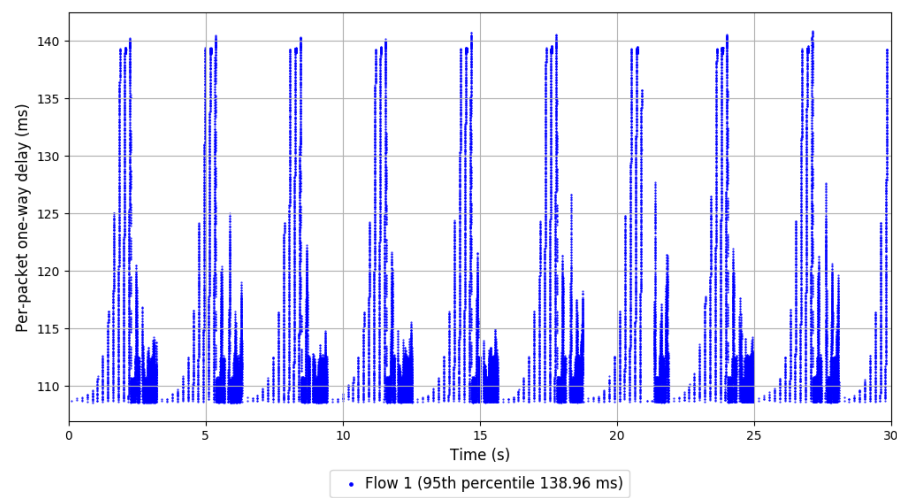
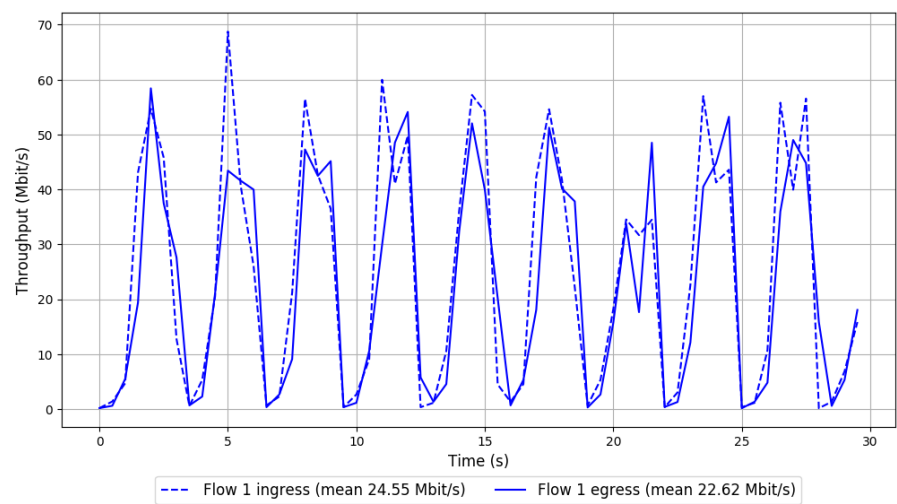
-- Flow 1:

Average throughput: 22.62 Mbit/s

95th percentile per-packet one-way delay: 138.964 ms

Loss rate: 7.76%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2018-04-10 15:18:57

End at: 2018-04-10 15:19:27

Local clock offset: -6.459 ms

Remote clock offset: 7.552 ms

# Below is generated by plot.py at 2018-04-10 17:03:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 43.78 Mbit/s

95th percentile per-packet one-way delay: 200.002 ms

Loss rate: 87.28%

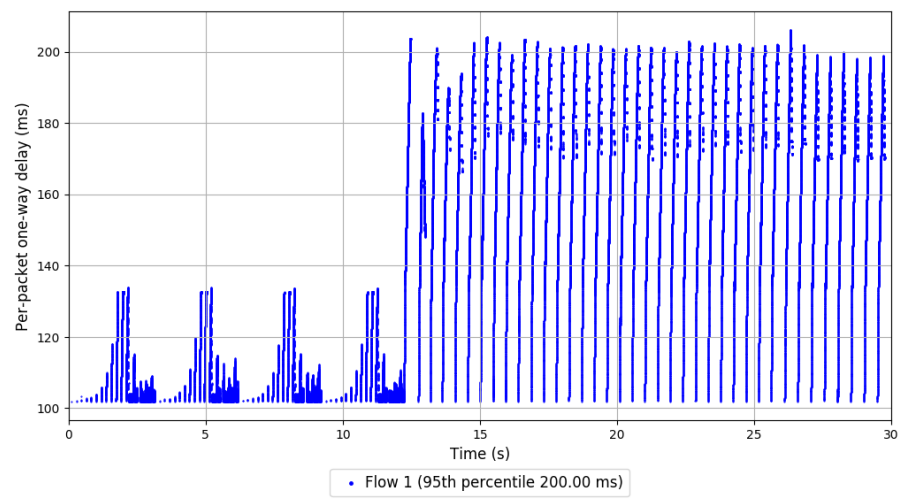
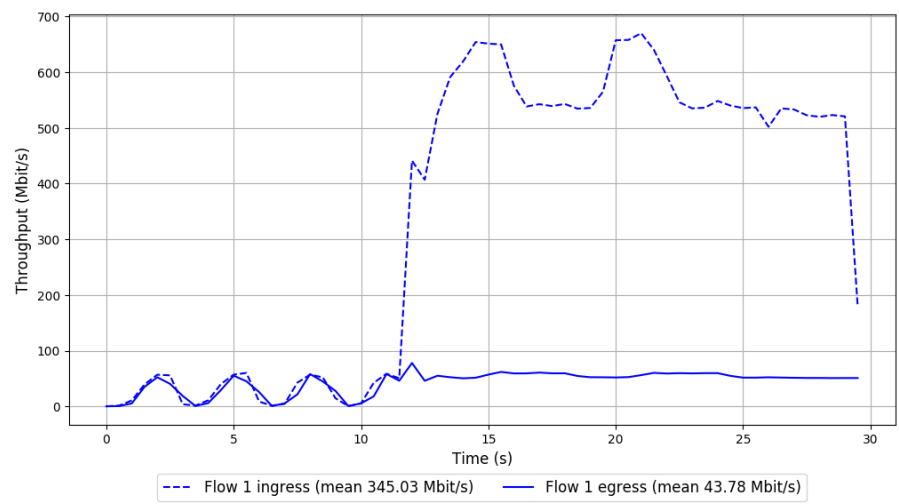
-- Flow 1:

Average throughput: 43.78 Mbit/s

95th percentile per-packet one-way delay: 200.002 ms

Loss rate: 87.28%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2018-04-10 15:41:34

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

Local clock offset: -5.283 ms

Remote clock offset: 2.822 ms

# Below is generated by plot.py at 2018-04-10 17:03:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 24.21 Mbit/s

95th percentile per-packet one-way delay: 128.121 ms

Loss rate: 9.04%

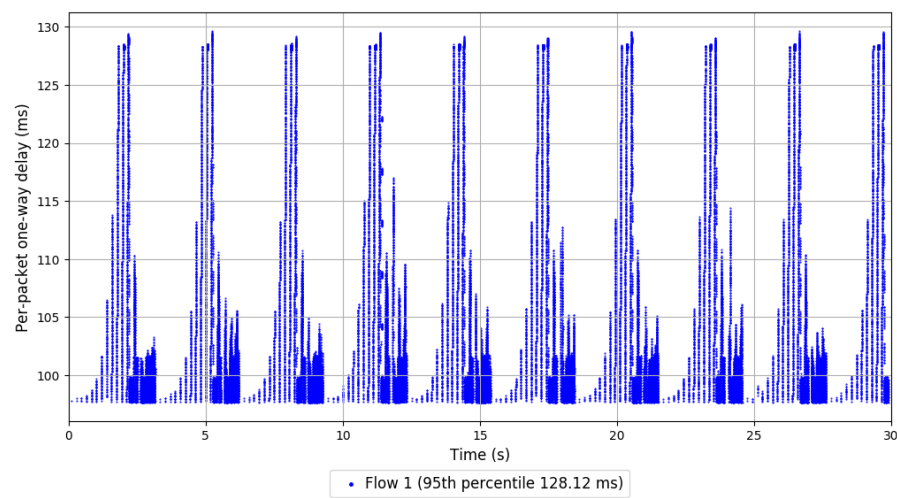
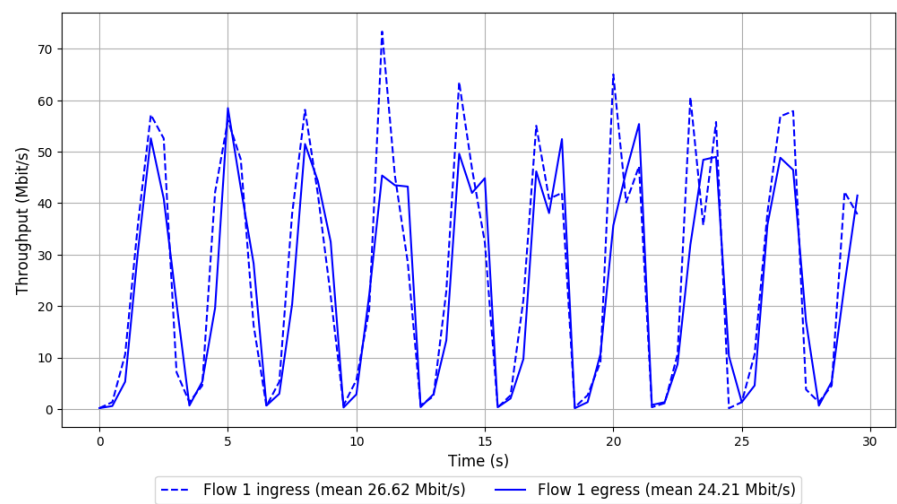
-- Flow 1:

Average throughput: 24.21 Mbit/s

95th percentile per-packet one-way delay: 128.121 ms

Loss rate: 9.04%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

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

End at: 2018-04-10 16:04:30

Local clock offset: -6.784 ms

Remote clock offset: 8.24 ms

# Below is generated by plot.py at 2018-04-10 17:03:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 23.40 Mbit/s

95th percentile per-packet one-way delay: 137.532 ms

Loss rate: 8.87%

-- Flow 1:

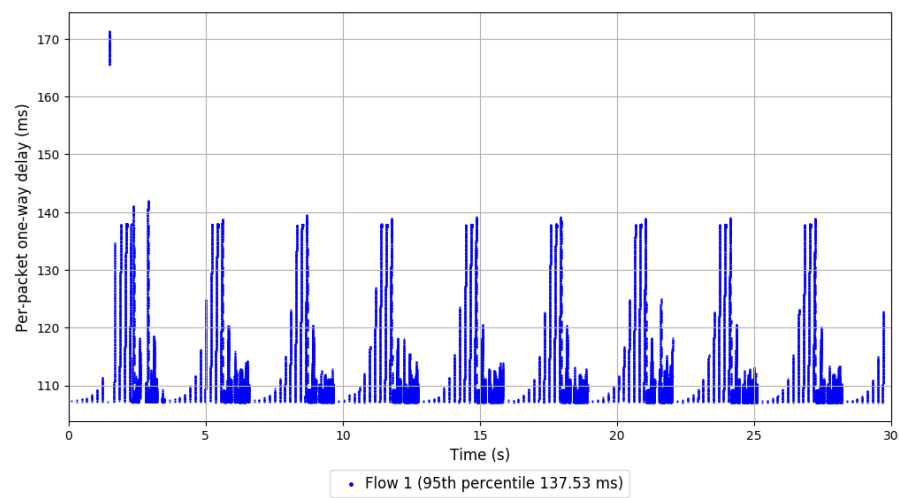
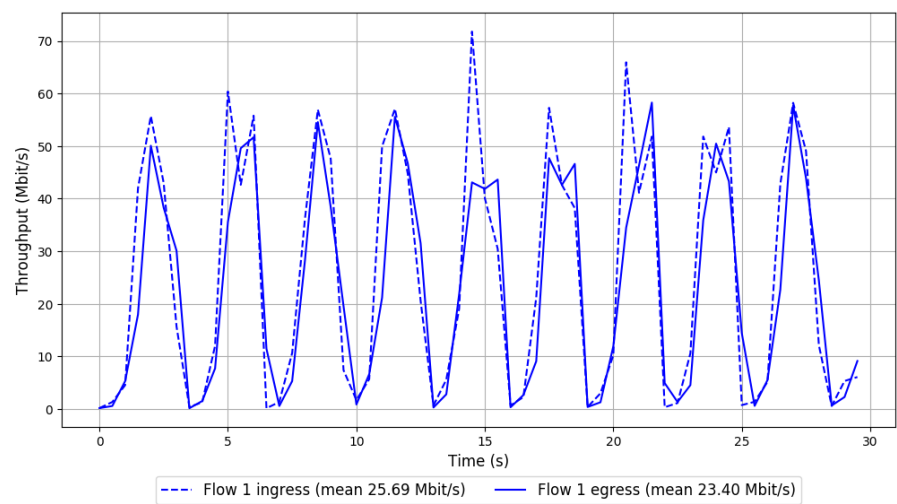
Average throughput: 23.40 Mbit/s

95th percentile per-packet one-way delay: 137.532 ms

Loss rate: 8.87%



Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: 2018-04-10 16:26:17

End at: 2018-04-10 16:26:47

Local clock offset: -5.976 ms

Remote clock offset: 4.967 ms

# Below is generated by plot.py at 2018-04-10 17:03:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 24.05 Mbit/s

95th percentile per-packet one-way delay: 128.773 ms

Loss rate: 8.91%

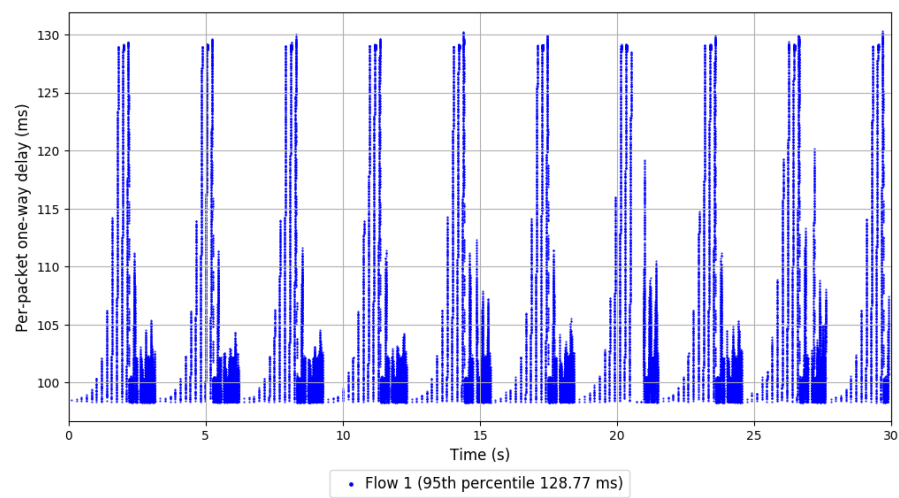
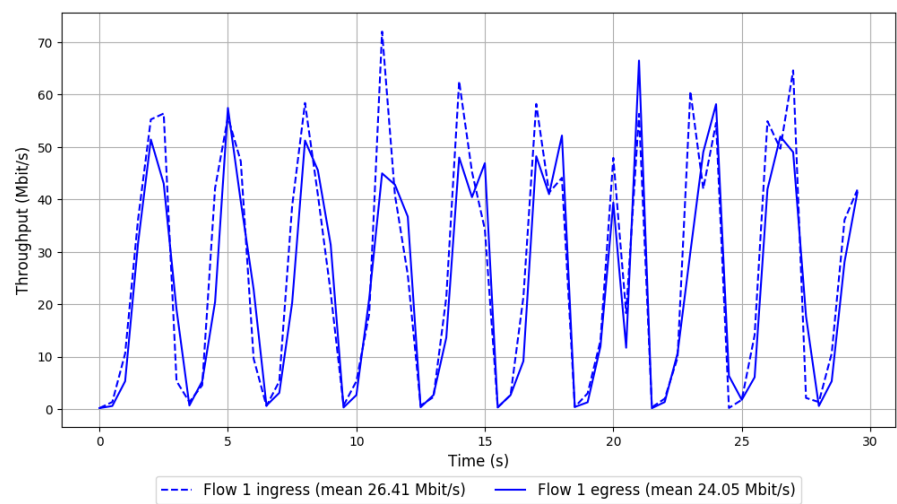
-- Flow 1:

Average throughput: 24.05 Mbit/s

95th percentile per-packet one-way delay: 128.773 ms

Loss rate: 8.91%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2018-04-10 12:52:41

End at: 2018-04-10 12:53:11

Local clock offset: -6.701 ms

Remote clock offset: 1.176 ms

# Below is generated by plot.py at 2018-04-10 17:08:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.31 Mbit/s

95th percentile per-packet one-way delay: 129.450 ms

Loss rate: 88.13%

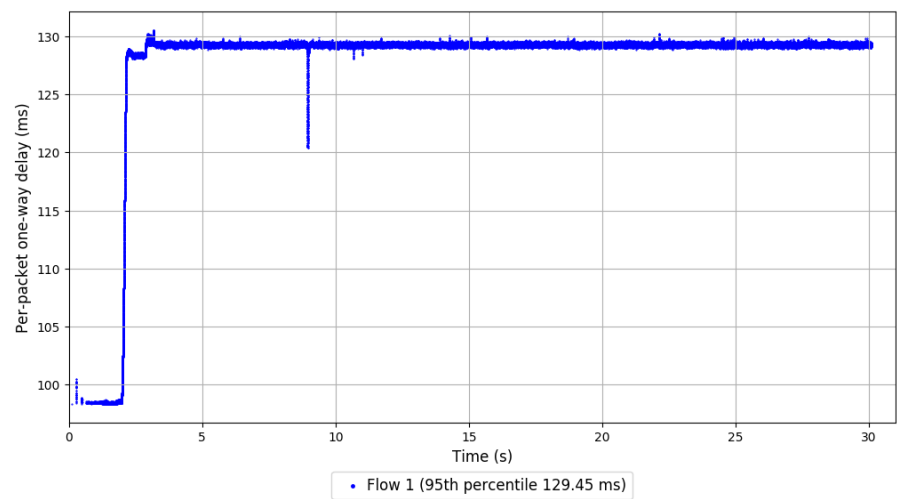
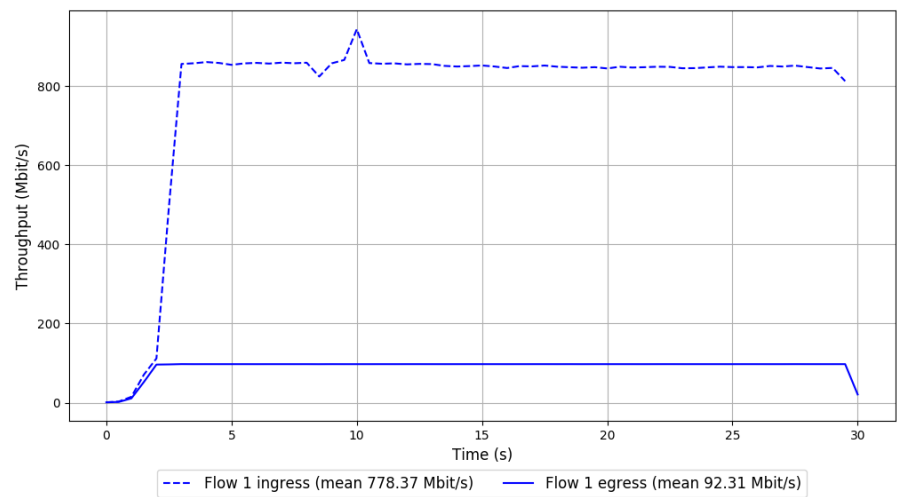
-- Flow 1:

Average throughput: 92.31 Mbit/s

95th percentile per-packet one-way delay: 129.450 ms

Loss rate: 88.13%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2018-04-10 13:15:02

End at: 2018-04-10 13:15:32

Local clock offset: -5.029 ms

Remote clock offset: 6.41 ms

# Below is generated by plot.py at 2018-04-10 17:09:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.34 Mbit/s

95th percentile per-packet one-way delay: 131.704 ms

Loss rate: 90.07%

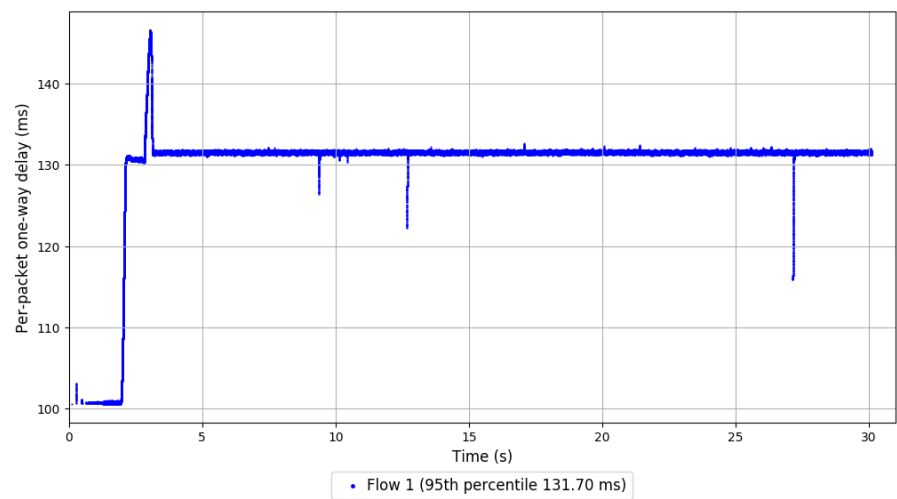
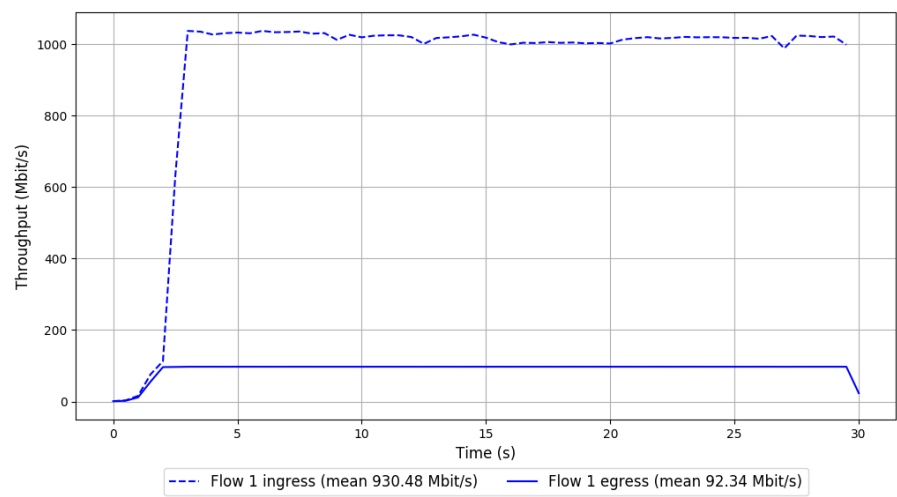
-- Flow 1:

Average throughput: 92.34 Mbit/s

95th percentile per-packet one-way delay: 131.704 ms

Loss rate: 90.07%

Run 2: Report of Copa — Data Link



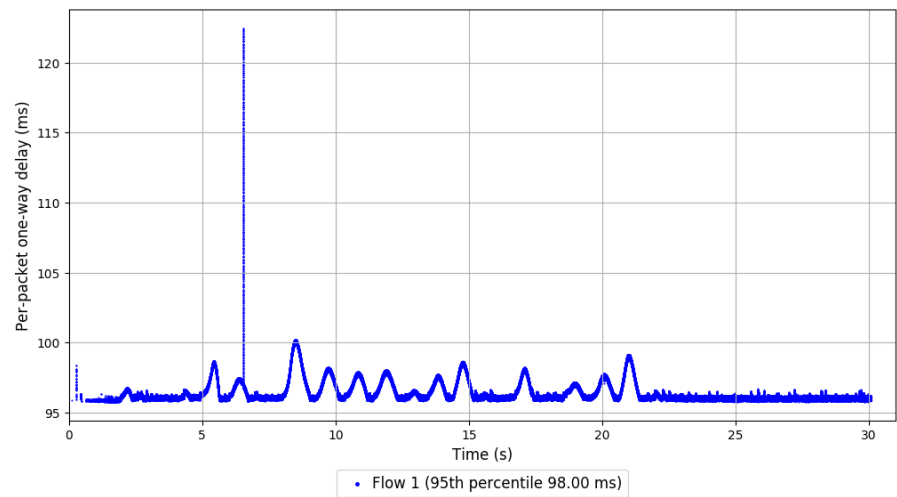
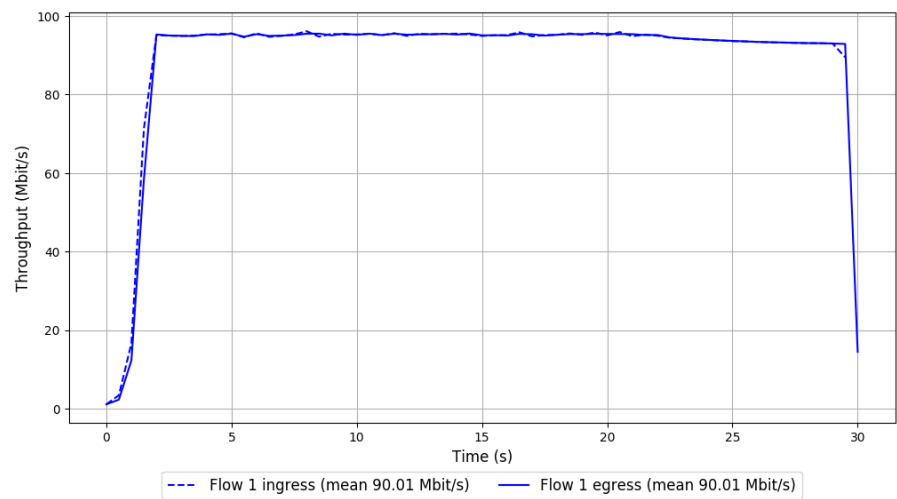
Run 3: Statistics of Copa

Start at: 2018-04-10 13:37:31  
End at: 2018-04-10 13:38:01  
Local clock offset: -6.586 ms  
Remote clock offset: 1.842 ms

# Below is generated by plot.py at 2018-04-10 17:09:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.01 Mbit/s  
95th percentile per-packet one-way delay: 98.002 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 90.01 Mbit/s  
95th percentile per-packet one-way delay: 98.002 ms  
Loss rate: 0.00%



Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2018-04-10 13:59:45

End at: 2018-04-10 14:00:15

Local clock offset: -5.298 ms

Remote clock offset: 1.487 ms

# Below is generated by plot.py at 2018-04-10 17:09:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.25 Mbit/s

95th percentile per-packet one-way delay: 127.284 ms

Loss rate: 88.82%

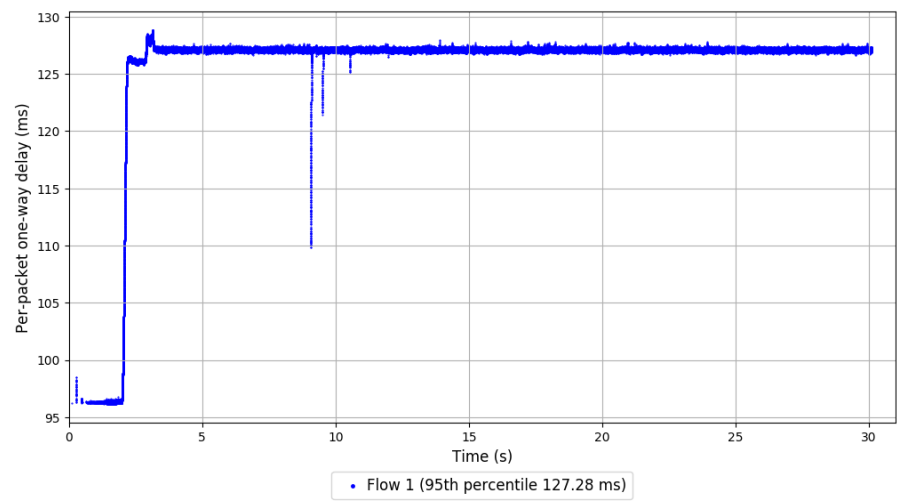
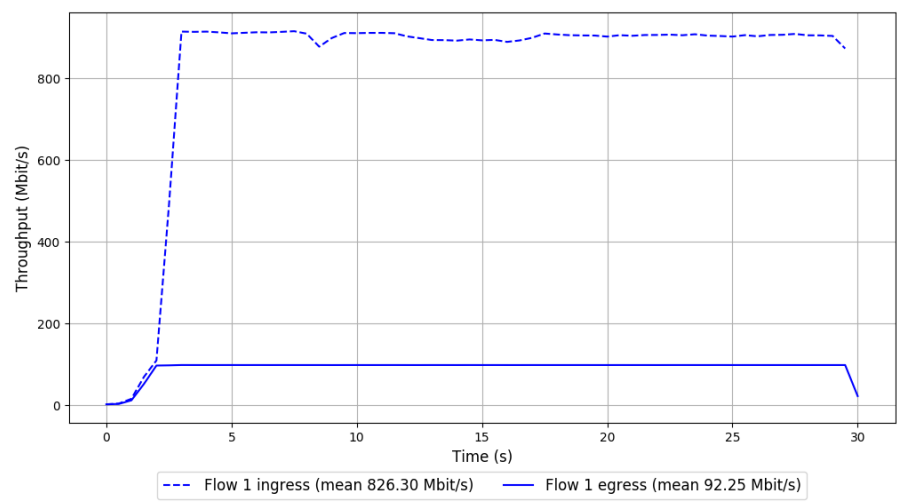
-- Flow 1:

Average throughput: 92.25 Mbit/s

95th percentile per-packet one-way delay: 127.284 ms

Loss rate: 88.82%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2018-04-10 14:22:13

End at: 2018-04-10 14:22:43

Local clock offset: -5.19 ms

Remote clock offset: 2.841 ms

# Below is generated by plot.py at 2018-04-10 17:09:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.40 Mbit/s

95th percentile per-packet one-way delay: 125.327 ms

Loss rate: 89.90%

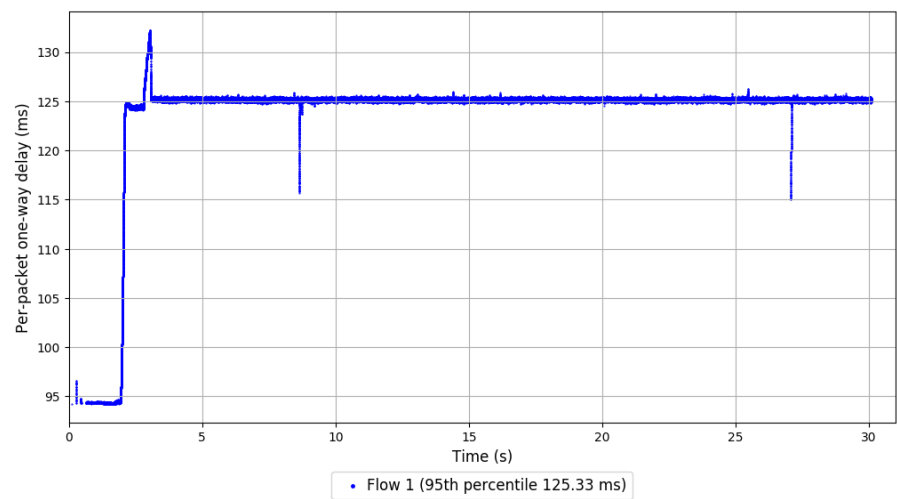
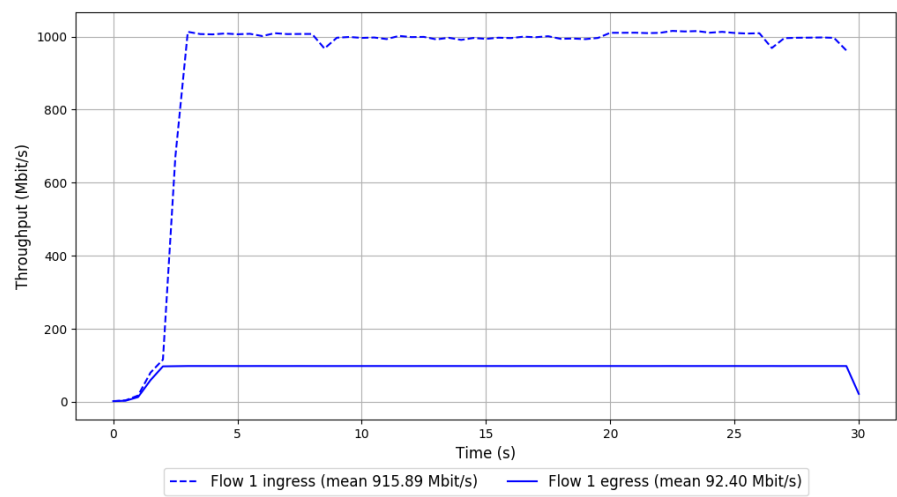
-- Flow 1:

Average throughput: 92.40 Mbit/s

95th percentile per-packet one-way delay: 125.327 ms

Loss rate: 89.90%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

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

End at: 2018-04-10 14:45:41

Local clock offset: -6.626 ms

Remote clock offset: 3.616 ms

# Below is generated by plot.py at 2018-04-10 17:09:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.43 Mbit/s

95th percentile per-packet one-way delay: 114.367 ms

Loss rate: 0.02%

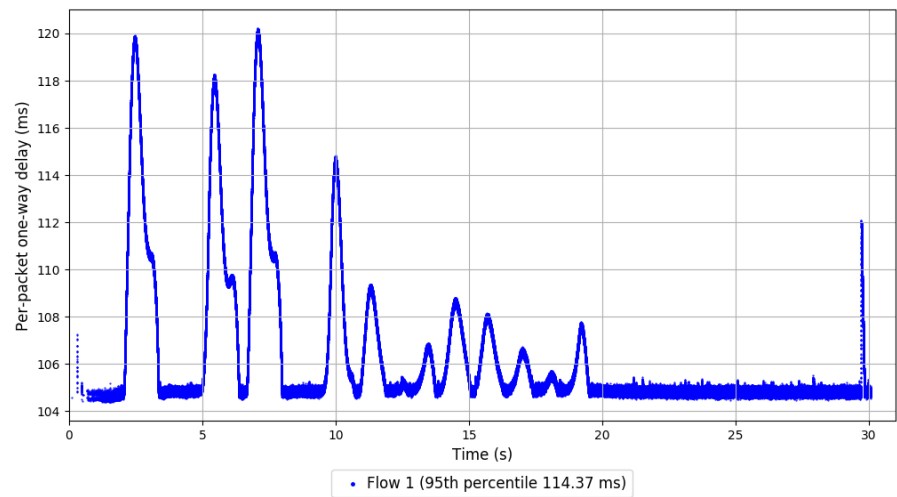
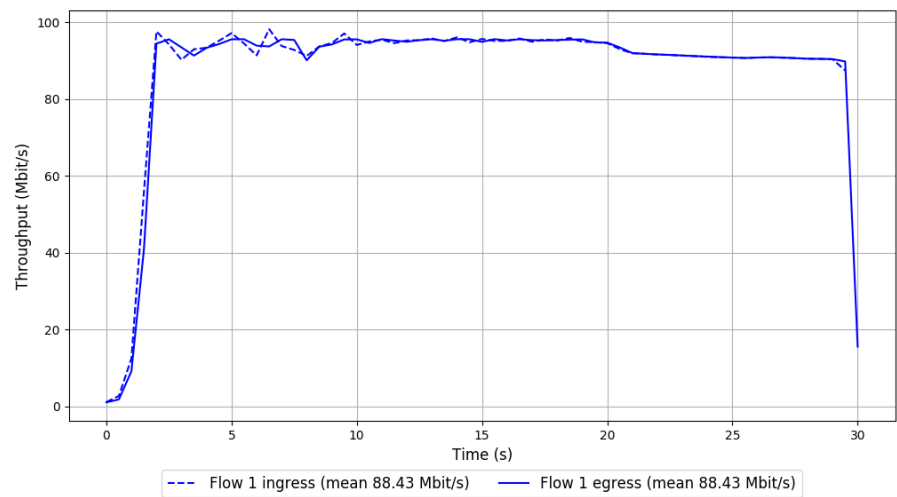
-- Flow 1:

Average throughput: 88.43 Mbit/s

95th percentile per-packet one-way delay: 114.367 ms

Loss rate: 0.02%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2018-04-10 15:07:22

End at: 2018-04-10 15:07:52

Local clock offset: -5.607 ms

Remote clock offset: 7.676 ms

# Below is generated by plot.py at 2018-04-10 17:09:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.29 Mbit/s

95th percentile per-packet one-way delay: 131.762 ms

Loss rate: 89.91%

-- Flow 1:

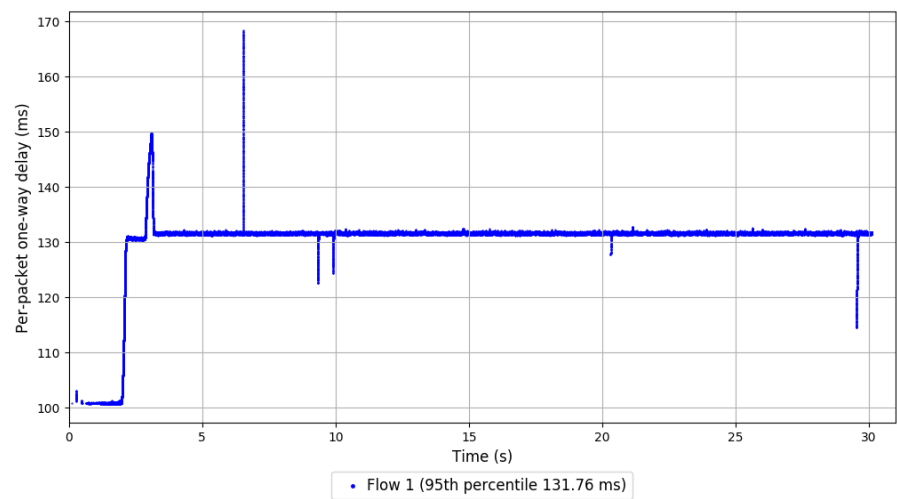
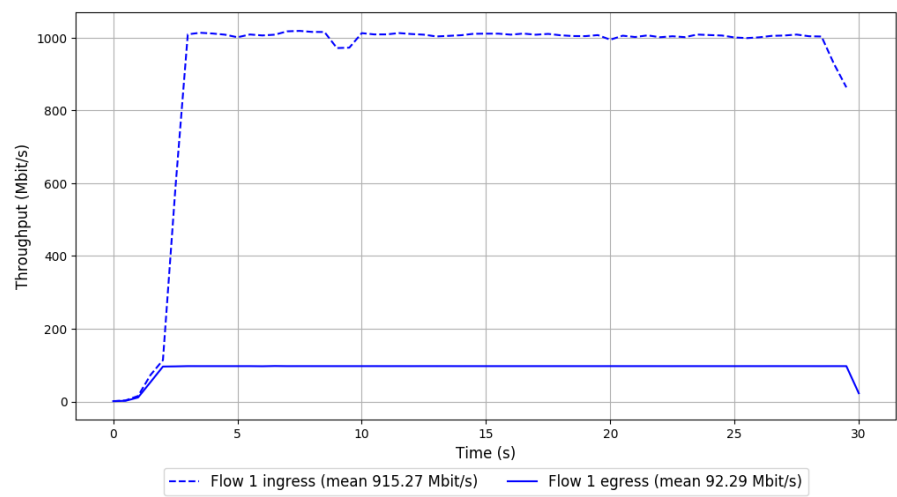
Average throughput: 92.29 Mbit/s

95th percentile per-packet one-way delay: 131.762 ms

Loss rate: 89.91%



Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2018-04-10 15:30:00

End at: 2018-04-10 15:30:30

Local clock offset: -5.885 ms

Remote clock offset: 2.734 ms

# Below is generated by plot.py at 2018-04-10 17:10:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.24 Mbit/s

95th percentile per-packet one-way delay: 128.927 ms

Loss rate: 89.24%

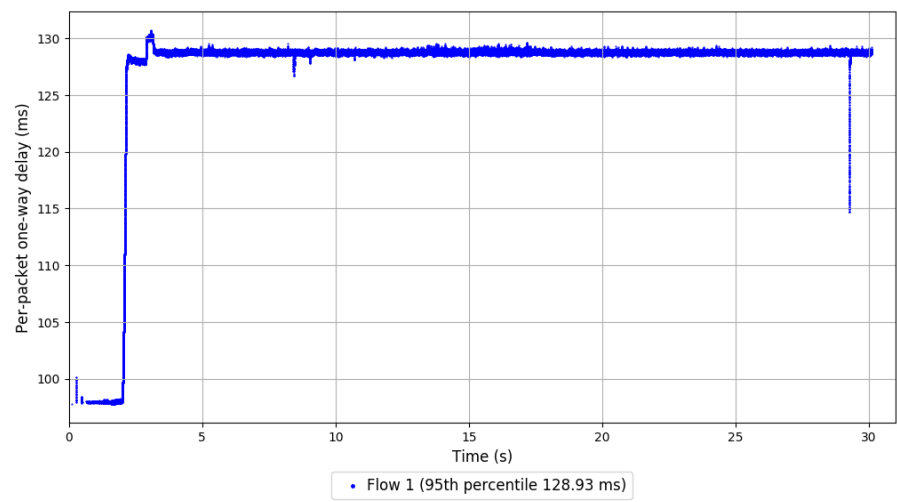
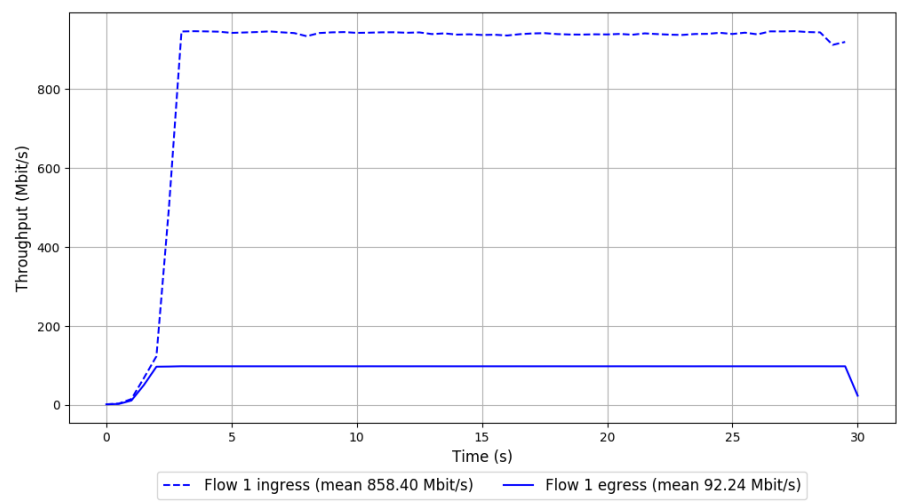
-- Flow 1:

Average throughput: 92.24 Mbit/s

95th percentile per-packet one-way delay: 128.927 ms

Loss rate: 89.24%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2018-04-10 15:52:28

End at: 2018-04-10 15:52:58

Local clock offset: -6.156 ms

Remote clock offset: 7.643 ms

# Below is generated by plot.py at 2018-04-10 17:10:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.47 Mbit/s

95th percentile per-packet one-way delay: 132.613 ms

Loss rate: 87.23%

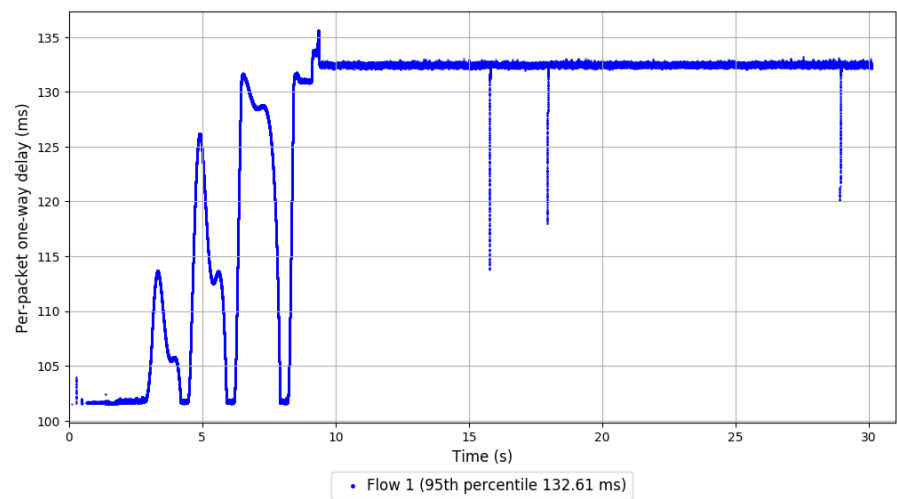
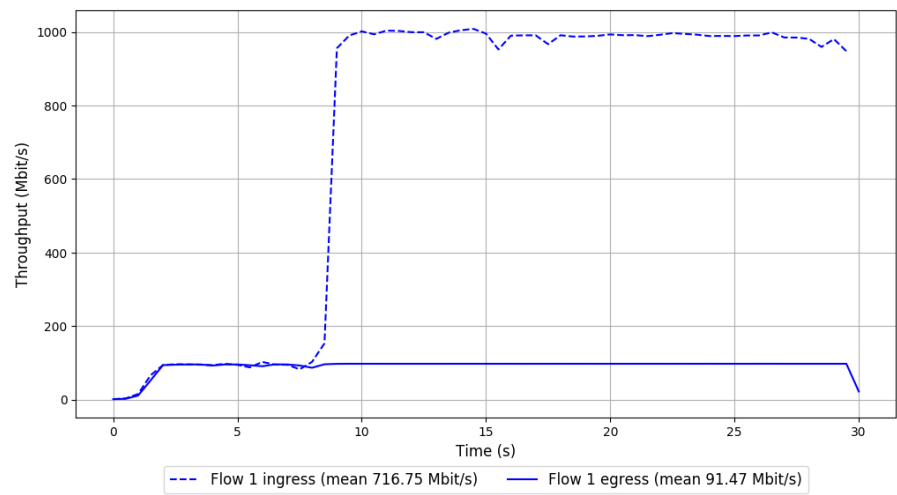
-- Flow 1:

Average throughput: 91.47 Mbit/s

95th percentile per-packet one-way delay: 132.613 ms

Loss rate: 87.23%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-10 16:14:55

End at: 2018-04-10 16:15:25

Local clock offset: -6.814 ms

Remote clock offset: 9.263 ms

# Below is generated by plot.py at 2018-04-10 17:10:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.43 Mbit/s

95th percentile per-packet one-way delay: 129.549 ms

Loss rate: 0.08%

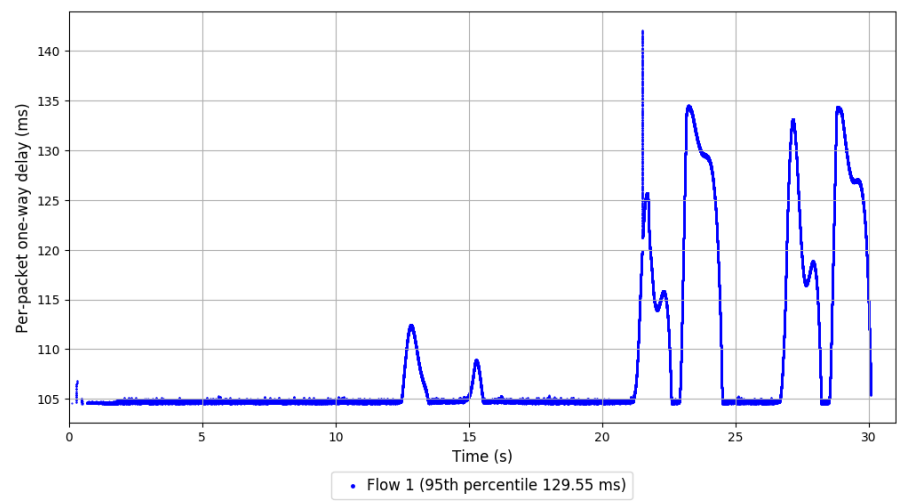
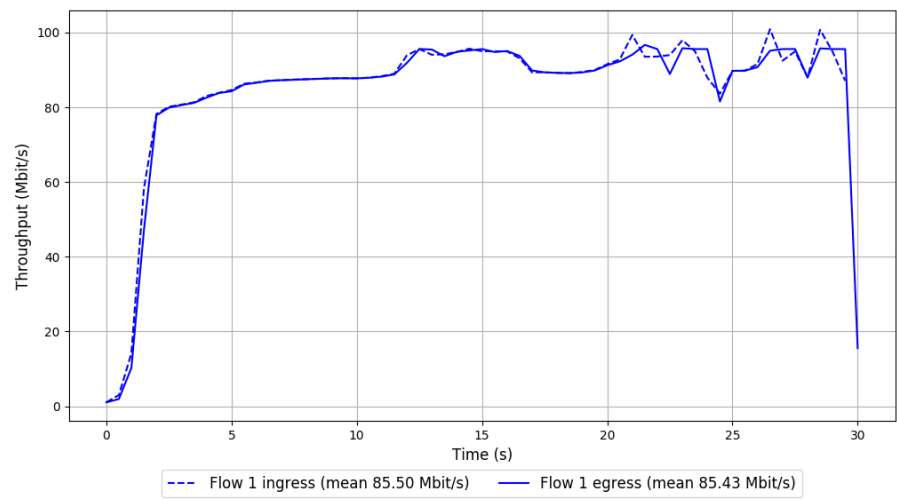
-- Flow 1:

Average throughput: 85.43 Mbit/s

95th percentile per-packet one-way delay: 129.549 ms

Loss rate: 0.08%

Run 10: Report of Copa — Data Link



Run 1: Statistics of FillP

Start at: 2018-04-10 12:47:54

End at: 2018-04-10 12:48:24

Local clock offset: -5.225 ms

Remote clock offset: 1.08 ms

# Below is generated by plot.py at 2018-04-10 17:10:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.83 Mbit/s

95th percentile per-packet one-way delay: 113.530 ms

Loss rate: 1.74%

-- Flow 1:

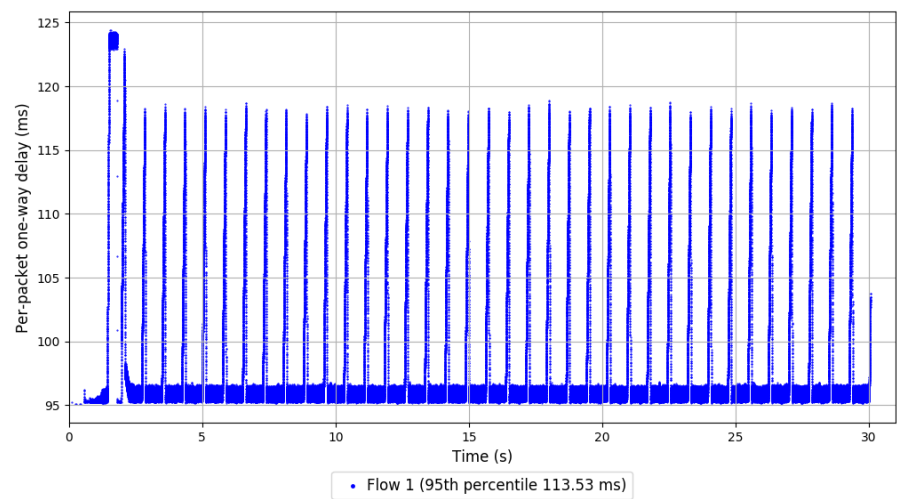
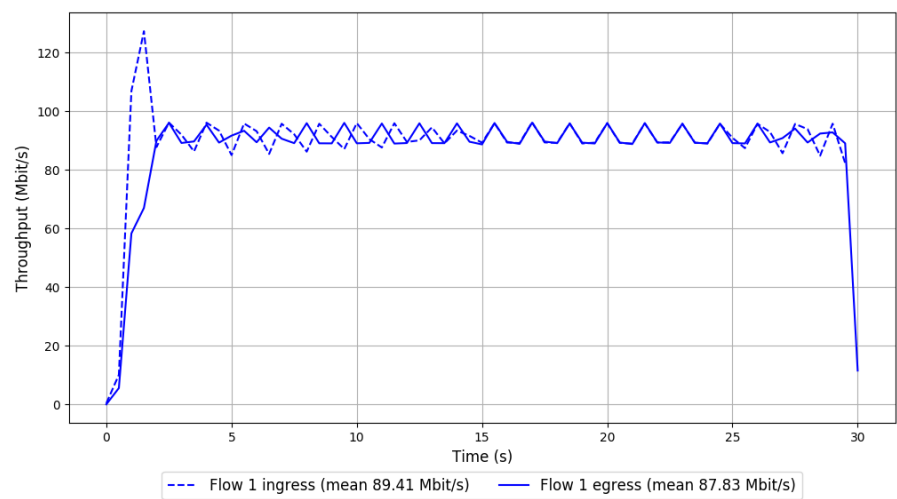
Average throughput: 87.83 Mbit/s

95th percentile per-packet one-way delay: 113.530 ms

Loss rate: 1.74%



Run 1: Report of FillP — Data Link



Run 2: Statistics of FillP

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

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

Local clock offset: -5.895 ms

Remote clock offset: 6.989 ms

# Below is generated by plot.py at 2018-04-10 17:10:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.91 Mbit/s

95th percentile per-packet one-way delay: 116.915 ms

Loss rate: 1.87%

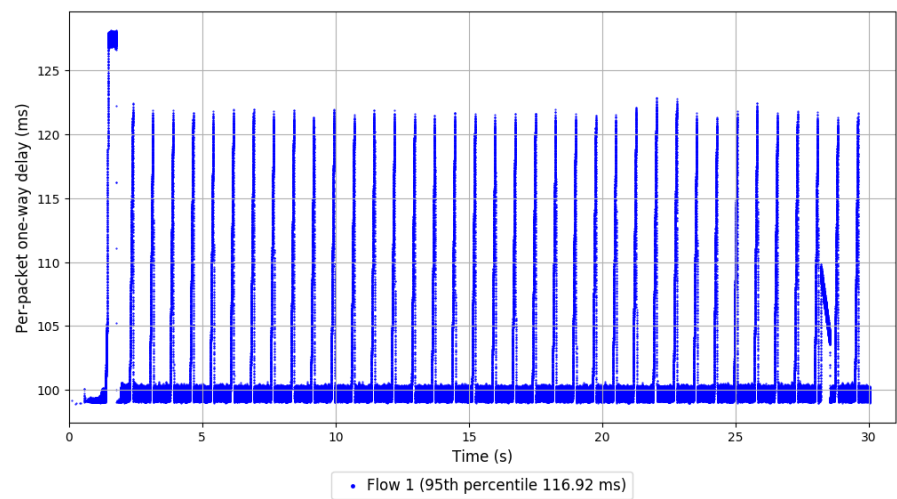
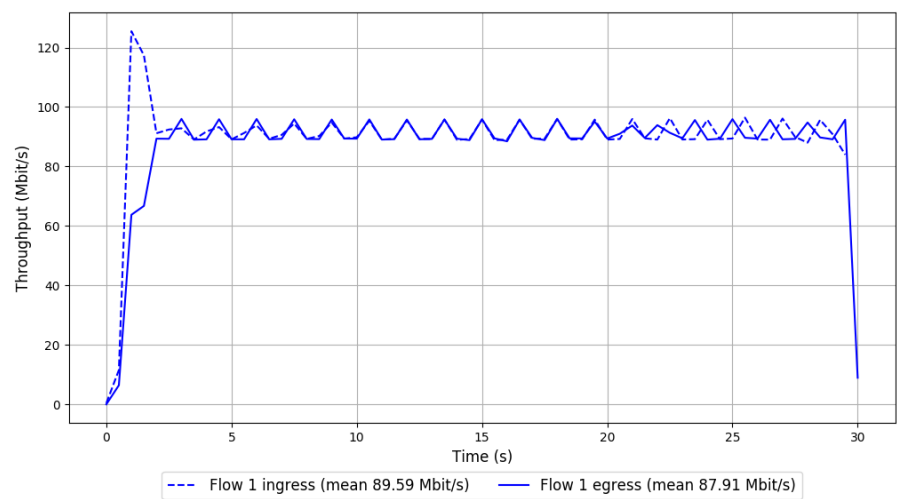
-- Flow 1:

Average throughput: 87.91 Mbit/s

95th percentile per-packet one-way delay: 116.915 ms

Loss rate: 1.87%

Run 2: Report of FillP — Data Link



Run 3: Statistics of FillP

Start at: 2018-04-10 13:32:43

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

Local clock offset: -6.578 ms

Remote clock offset: 1.899 ms

# Below is generated by plot.py at 2018-04-10 17:10:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.70 Mbit/s

95th percentile per-packet one-way delay: 123.002 ms

Loss rate: 1.55%

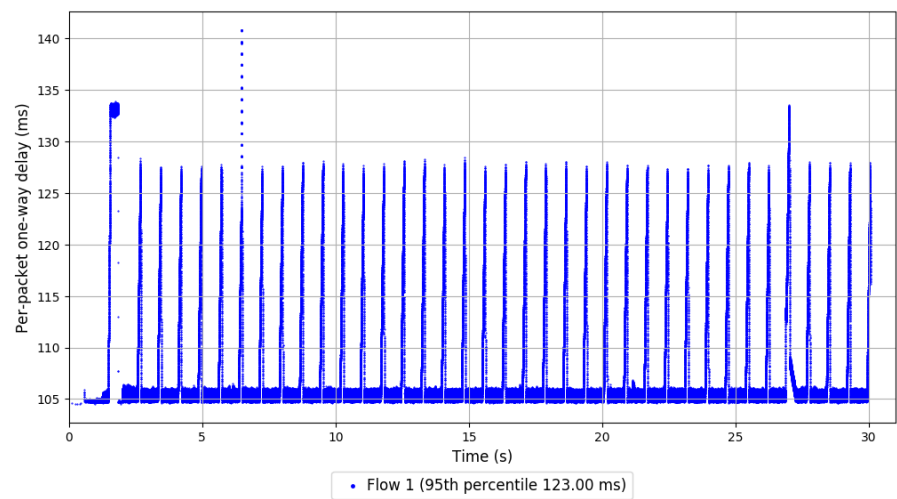
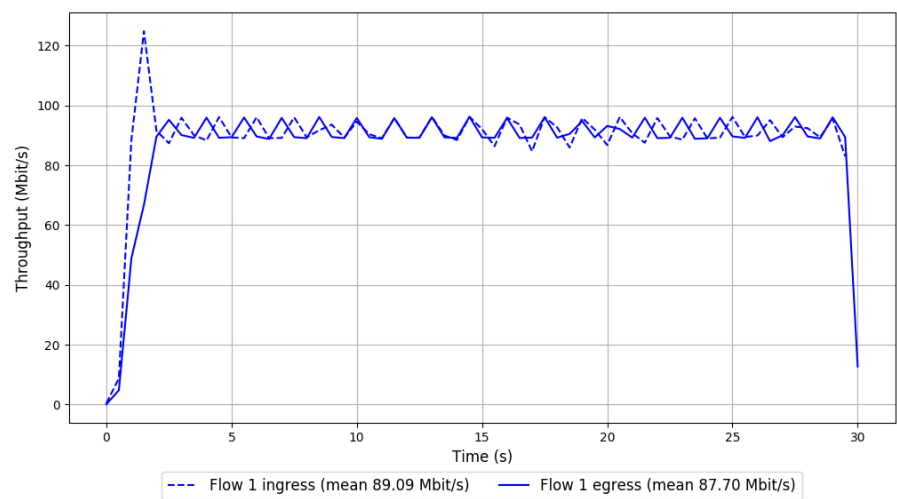
-- Flow 1:

Average throughput: 87.70 Mbit/s

95th percentile per-packet one-way delay: 123.002 ms

Loss rate: 1.55%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-10 13:54:58

End at: 2018-04-10 13:55:28

Local clock offset: -5.263 ms

Remote clock offset: 2.213 ms

# Below is generated by plot.py at 2018-04-10 17:10:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.21 Mbit/s

95th percentile per-packet one-way delay: 123.622 ms

Loss rate: 8.96%

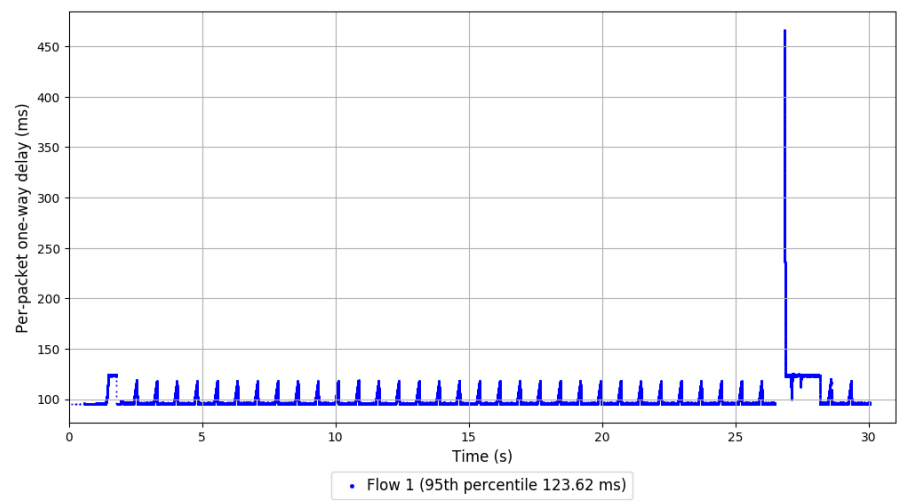
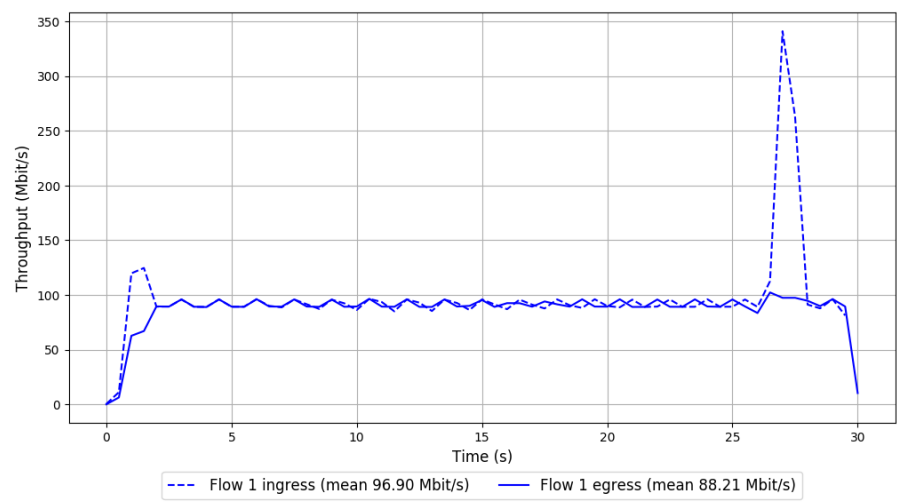
-- Flow 1:

Average throughput: 88.21 Mbit/s

95th percentile per-packet one-way delay: 123.622 ms

Loss rate: 8.96%

Run 4: Report of FillP — Data Link



Run 5: Statistics of FillP

Start at: 2018-04-10 14:17:25

End at: 2018-04-10 14:17:55

Local clock offset: -5.958 ms

Remote clock offset: 6.511 ms

# Below is generated by plot.py at 2018-04-10 17:10:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.76 Mbit/s

95th percentile per-packet one-way delay: 121.777 ms

Loss rate: 1.46%

-- Flow 1:

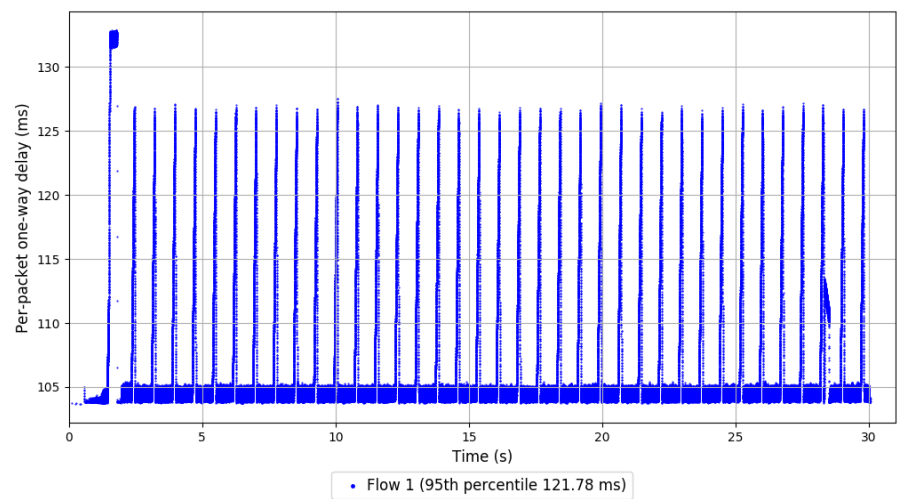
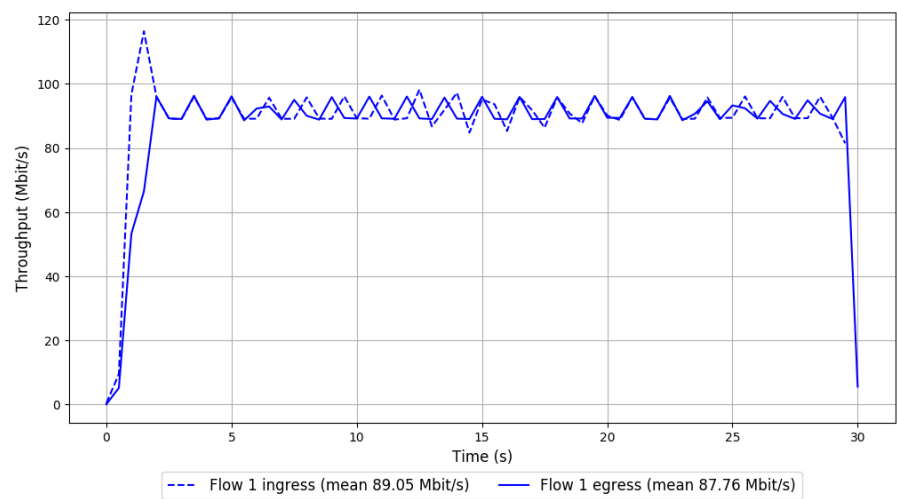
Average throughput: 87.76 Mbit/s

95th percentile per-packet one-way delay: 121.777 ms

Loss rate: 1.46%



Run 5: Report of FillP — Data Link



Run 6: Statistics of FillP

Start at: 2018-04-10 14:40:21

End at: 2018-04-10 14:40:51

Local clock offset: -6.639 ms

Remote clock offset: 8.342 ms

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

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.94 Mbit/s

95th percentile per-packet one-way delay: 122.452 ms

Loss rate: 1.79%

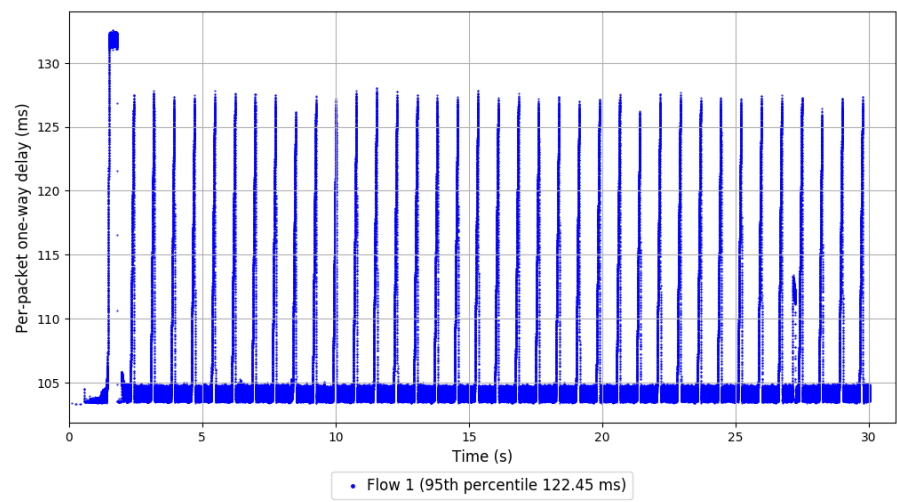
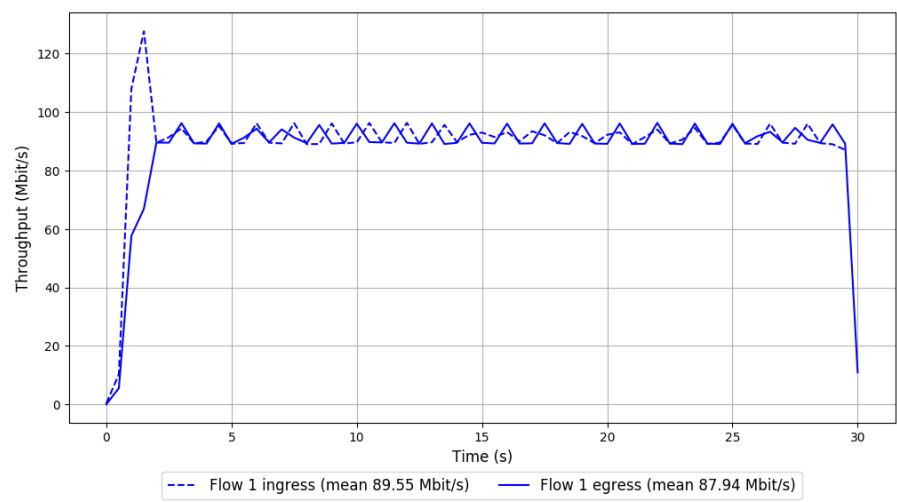
-- Flow 1:

Average throughput: 87.94 Mbit/s

95th percentile per-packet one-way delay: 122.452 ms

Loss rate: 1.79%

Run 6: Report of FillP — Data Link



Run 7: Statistics of FillP

Start at: 2018-04-10 15:02:35

End at: 2018-04-10 15:03:05

Local clock offset: -6.465 ms

Remote clock offset: 7.89 ms

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

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.78 Mbit/s

95th percentile per-packet one-way delay: 120.014 ms

Loss rate: 1.51%

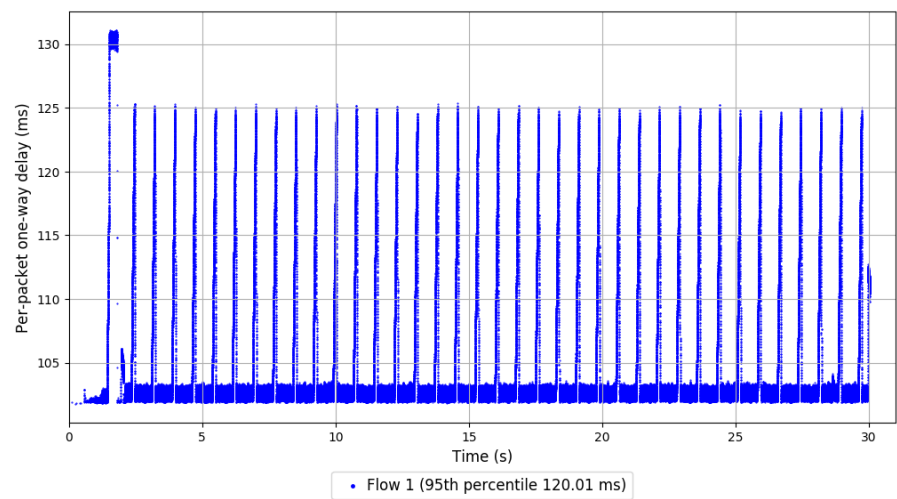
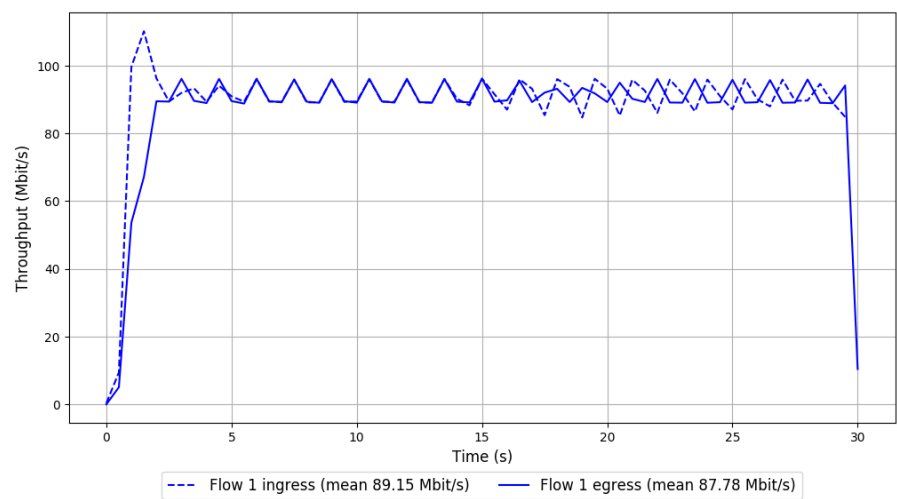
-- Flow 1:

Average throughput: 87.78 Mbit/s

95th percentile per-packet one-way delay: 120.014 ms

Loss rate: 1.51%

Run 7: Report of FillP — Data Link



Run 8: Statistics of FillP

Start at: 2018-04-10 15:25:09

End at: 2018-04-10 15:25:39

Local clock offset: -5.066 ms

Remote clock offset: 7.451 ms

# Below is generated by plot.py at 2018-04-10 17:10:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.76 Mbit/s

95th percentile per-packet one-way delay: 118.754 ms

Loss rate: 1.65%

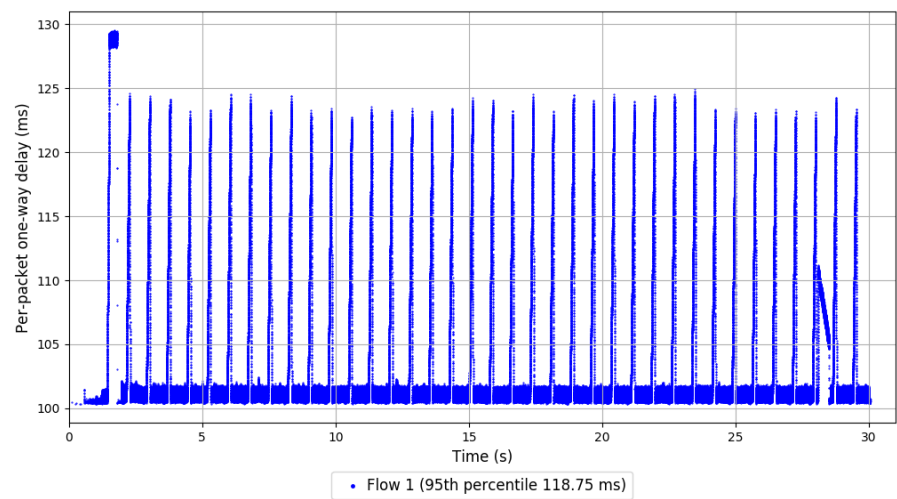
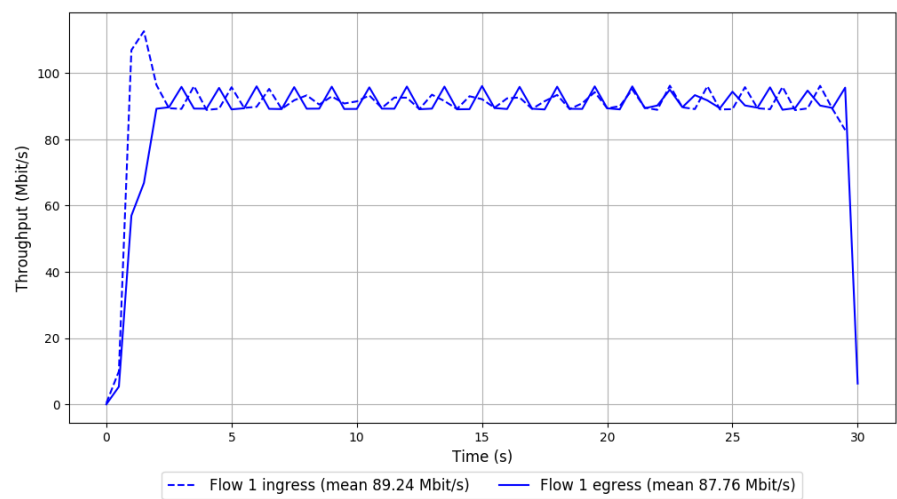
-- Flow 1:

Average throughput: 87.76 Mbit/s

95th percentile per-packet one-way delay: 118.754 ms

Loss rate: 1.65%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-10 15:47:39

End at: 2018-04-10 15:48:09

Local clock offset: -5.308 ms

Remote clock offset: 2.89 ms

# Below is generated by plot.py at 2018-04-10 17:11:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.77 Mbit/s

95th percentile per-packet one-way delay: 119.899 ms

Loss rate: 1.56%

-- Flow 1:

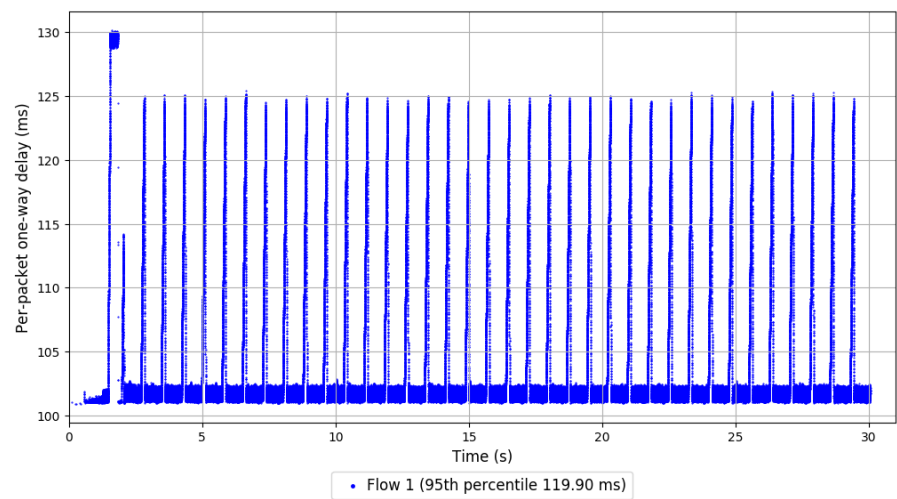
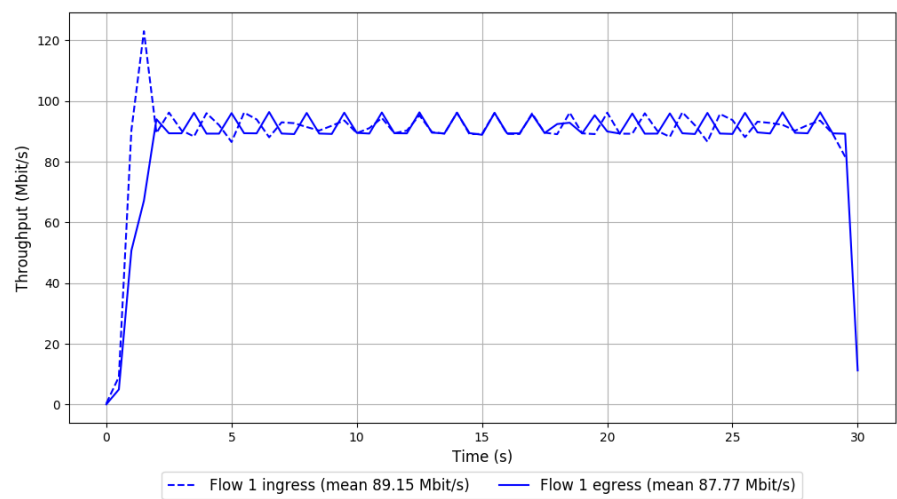
Average throughput: 87.77 Mbit/s

95th percentile per-packet one-way delay: 119.899 ms

Loss rate: 1.56%



Run 9: Report of FillP — Data Link



Run 10: Statistics of FillP

Start at: 2018-04-10 16:10:07

End at: 2018-04-10 16:10:37

Local clock offset: -6.082 ms

Remote clock offset: 4.136 ms

# Below is generated by plot.py at 2018-04-10 17:11:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.58 Mbit/s

95th percentile per-packet one-way delay: 121.662 ms

Loss rate: 1.44%

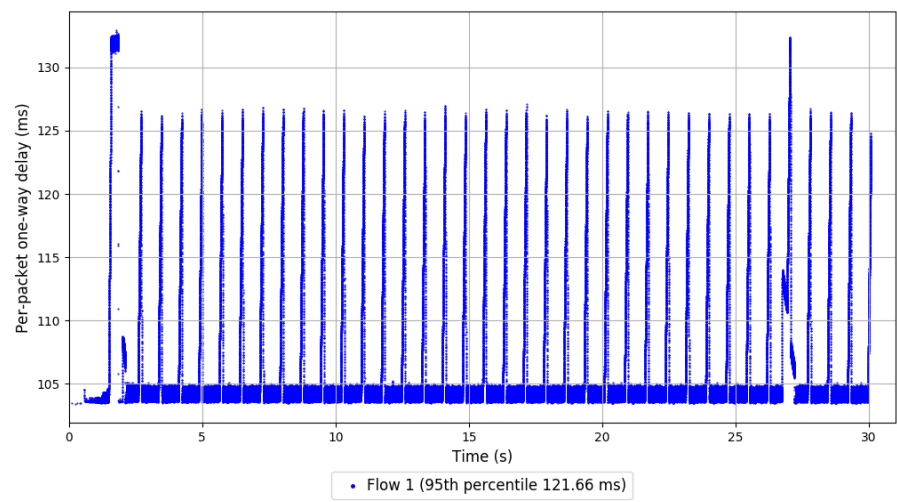
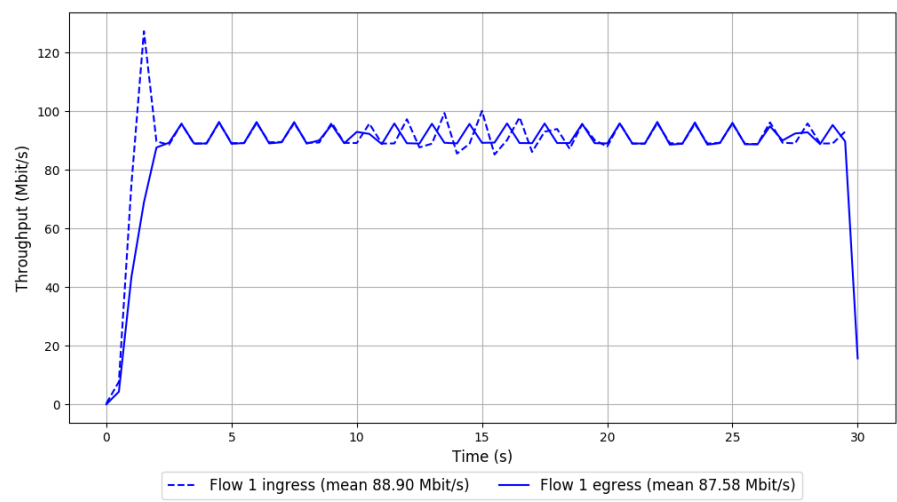
-- Flow 1:

Average throughput: 87.58 Mbit/s

95th percentile per-packet one-way delay: 121.662 ms

Loss rate: 1.44%

Run 10: Report of FillP — Data Link

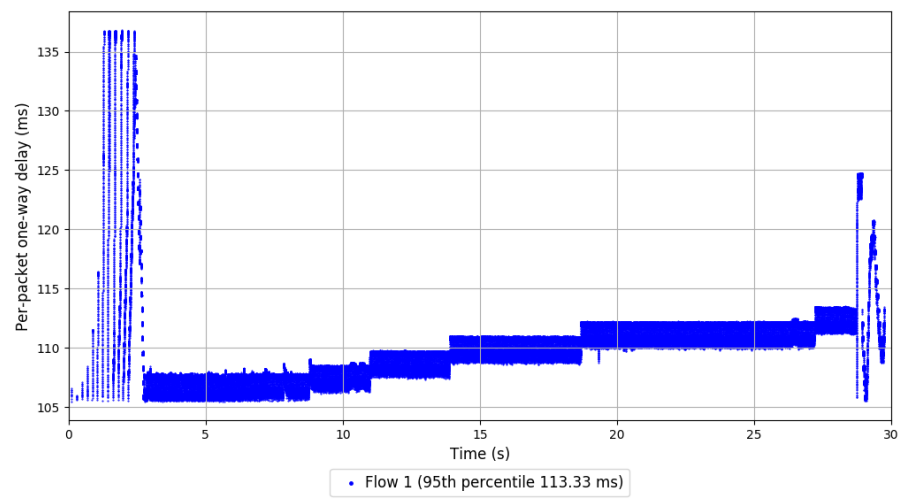
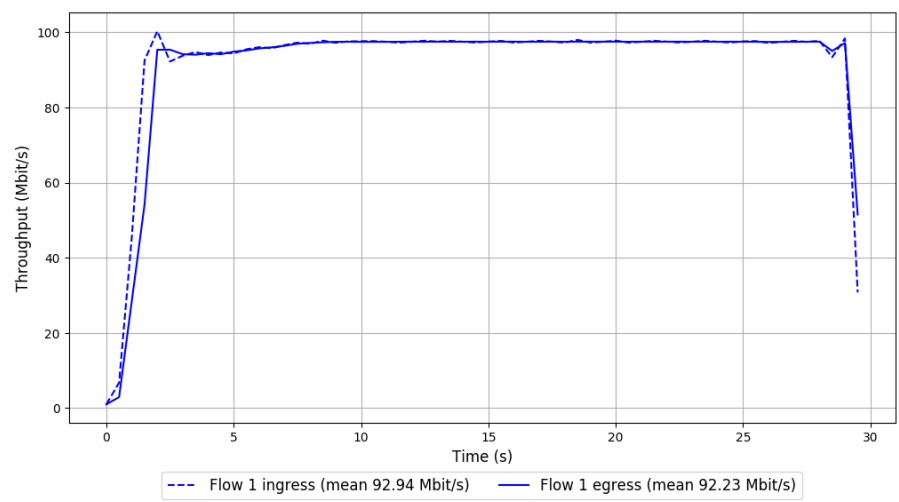


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-10 12:44:10
End at: 2018-04-10 12:44:40
Local clock offset: -5.173 ms
Remote clock offset: 5.655 ms

# Below is generated by plot.py at 2018-04-10 17:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: 113.332 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 92.23 Mbit/s
95th percentile per-packet one-way delay: 113.332 ms
Loss rate: 0.76%
```

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



Run 2: Statistics of Indigo-1-32

Start at: 2018-04-10 13:06:32

End at: 2018-04-10 13:07:02

Local clock offset: -6.662 ms

Remote clock offset: 0.494 ms

# Below is generated by plot.py at 2018-04-10 17:11:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 106.947 ms

Loss rate: 0.71%

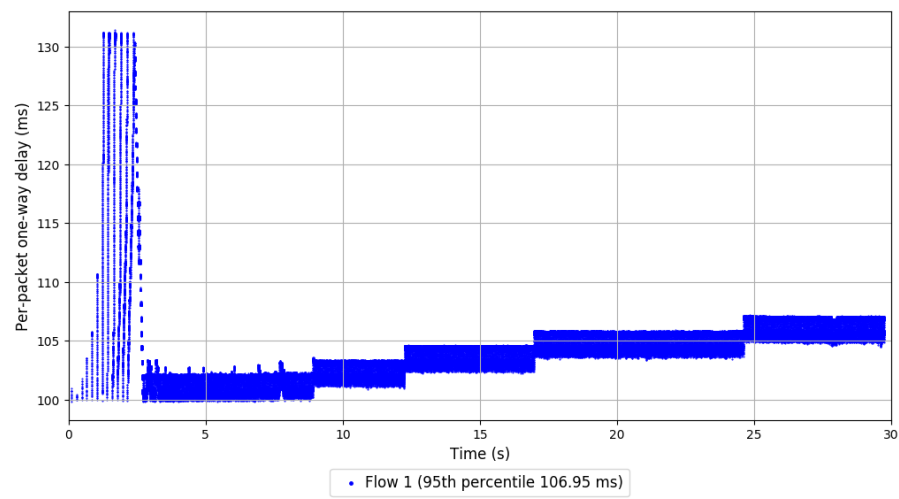
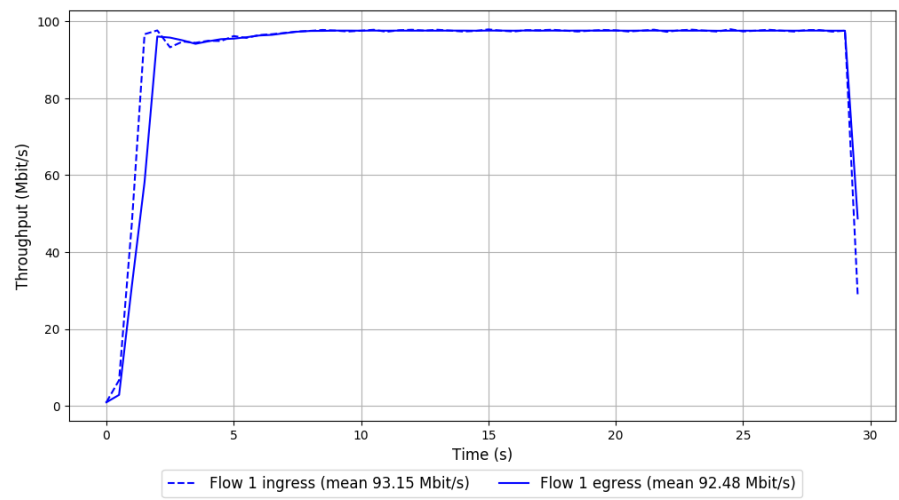
-- Flow 1:

Average throughput: 92.48 Mbit/s

95th percentile per-packet one-way delay: 106.947 ms

Loss rate: 0.71%

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



Run 3: Statistics of Indigo-1-32

Start at: 2018-04-10 13:28:58

End at: 2018-04-10 13:29:28

Local clock offset: -5.759 ms

Remote clock offset: 6.639 ms

# Below is generated by plot.py at 2018-04-10 17:11:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.31 Mbit/s

95th percentile per-packet one-way delay: 138.988 ms

Loss rate: 3.32%

-- Flow 1:

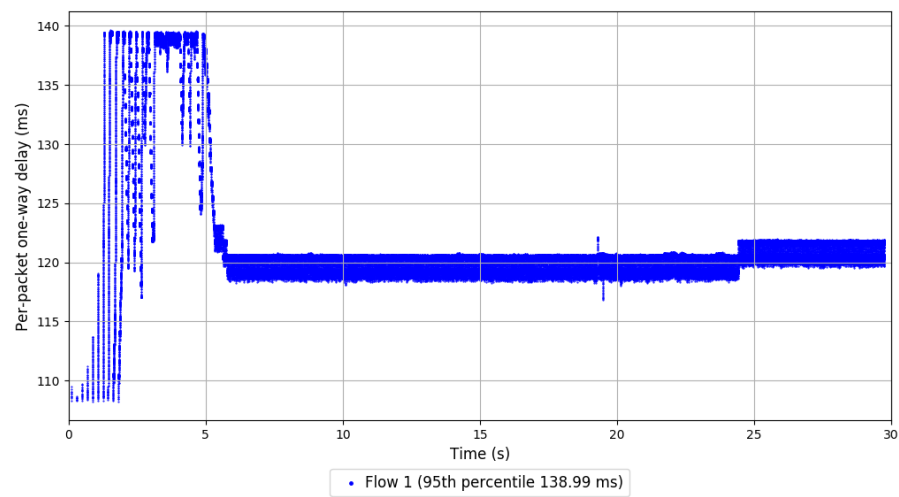
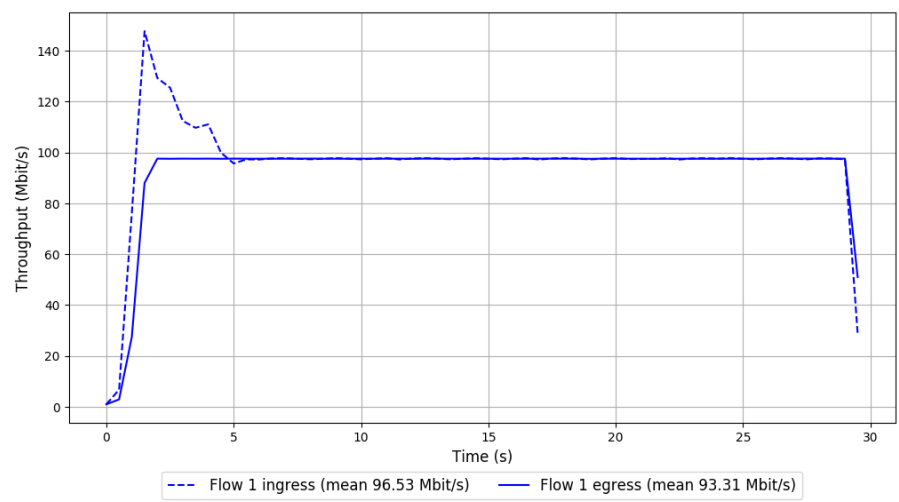
Average throughput: 93.31 Mbit/s

95th percentile per-packet one-way delay: 138.988 ms

Loss rate: 3.32%



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



Run 4: Statistics of Indigo-1-32

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

End at: 2018-04-10 13:51:43

Local clock offset: -5.271 ms

Remote clock offset: 6.937 ms

# Below is generated by plot.py at 2018-04-10 17:12:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.81 Mbit/s

95th percentile per-packet one-way delay: 108.260 ms

Loss rate: 0.53%

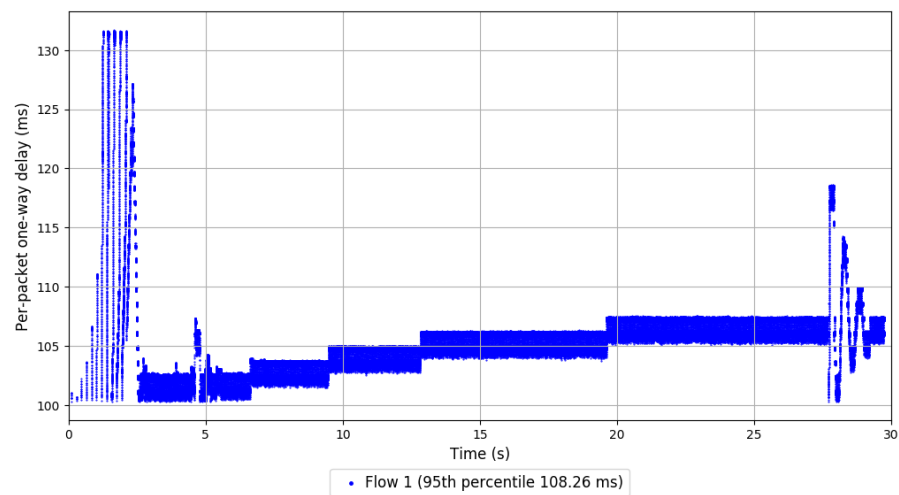
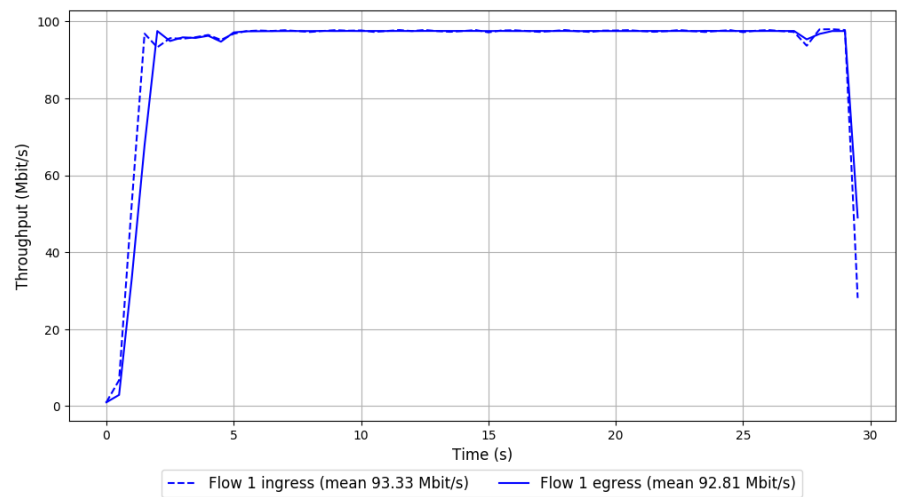
-- Flow 1:

Average throughput: 92.81 Mbit/s

95th percentile per-packet one-way delay: 108.260 ms

Loss rate: 0.53%

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



Run 5: Statistics of Indigo-1-32

Start at: 2018-04-10 14:13:41

End at: 2018-04-10 14:14:11

Local clock offset: -6.099 ms

Remote clock offset: 7.314 ms

# Below is generated by plot.py at 2018-04-10 17:12:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.56 Mbit/s

95th percentile per-packet one-way delay: 114.501 ms

Loss rate: 0.59%

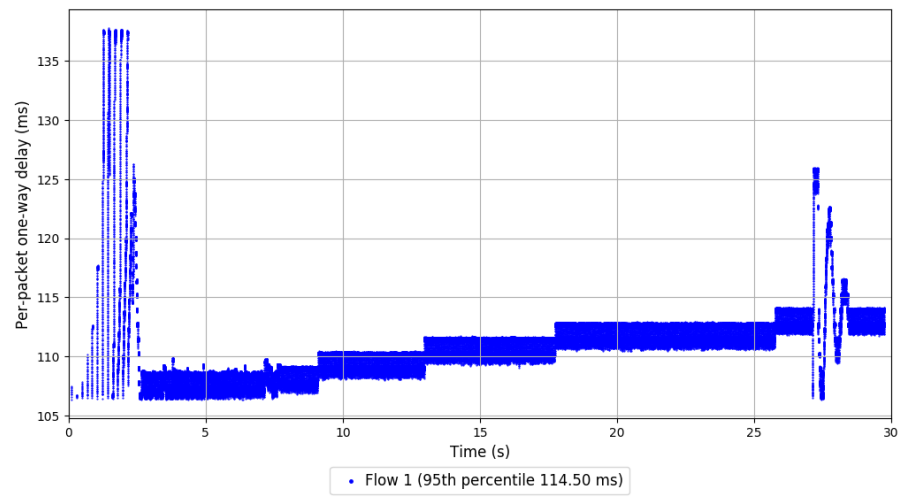
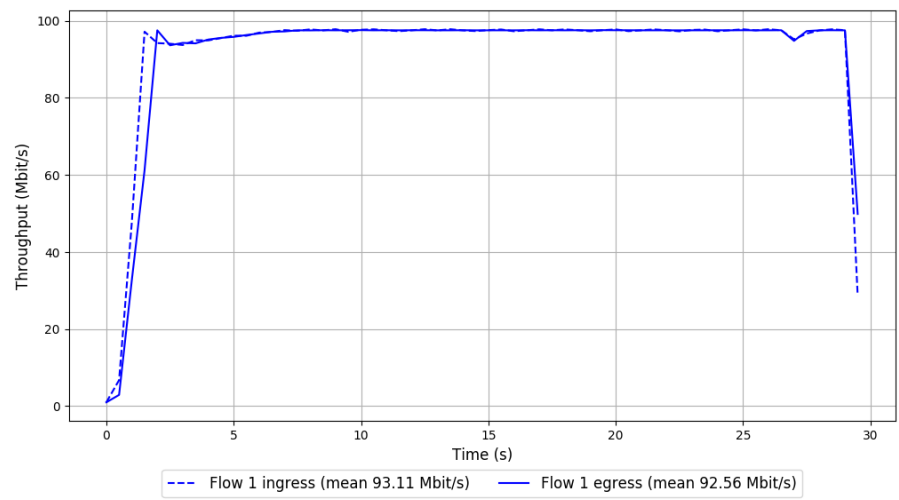
-- Flow 1:

Average throughput: 92.56 Mbit/s

95th percentile per-packet one-way delay: 114.501 ms

Loss rate: 0.59%

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



Run 6: Statistics of Indigo-1-32

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

End at: 2018-04-10 14:36:40

Local clock offset: -6.703 ms

Remote clock offset: 8.275 ms

# Below is generated by plot.py at 2018-04-10 17:12:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.39 Mbit/s

95th percentile per-packet one-way delay: 109.928 ms

Loss rate: 0.71%

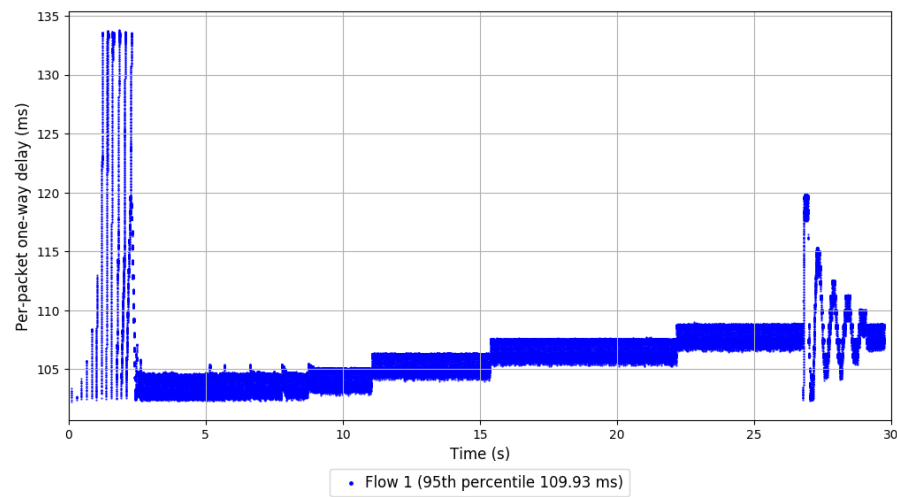
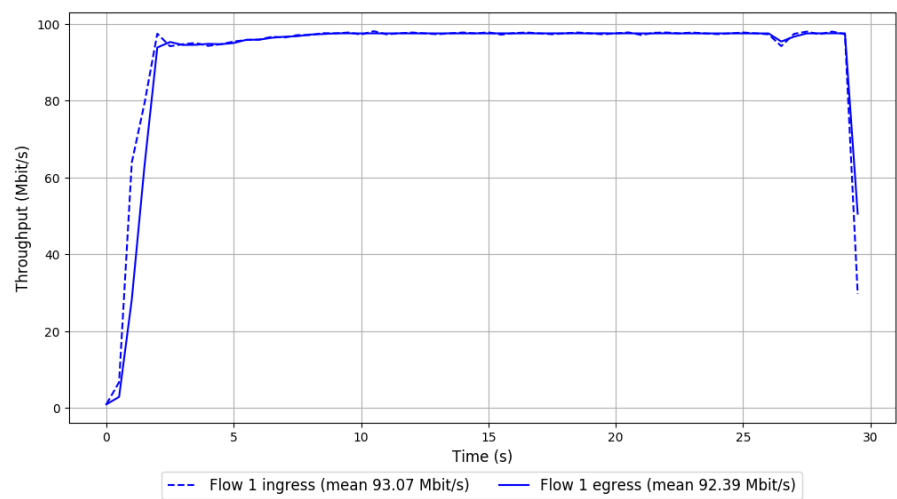
-- Flow 1:

Average throughput: 92.39 Mbit/s

95th percentile per-packet one-way delay: 109.928 ms

Loss rate: 0.71%

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



Run 7: Statistics of Indigo-1-32

Start at: 2018-04-10 14:58:50

End at: 2018-04-10 14:59:20

Local clock offset: -5.676 ms

Remote clock offset: 3.225 ms

# Below is generated by plot.py at 2018-04-10 17:12:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.25 Mbit/s

95th percentile per-packet one-way delay: 103.157 ms

Loss rate: 0.68%

-- Flow 1:

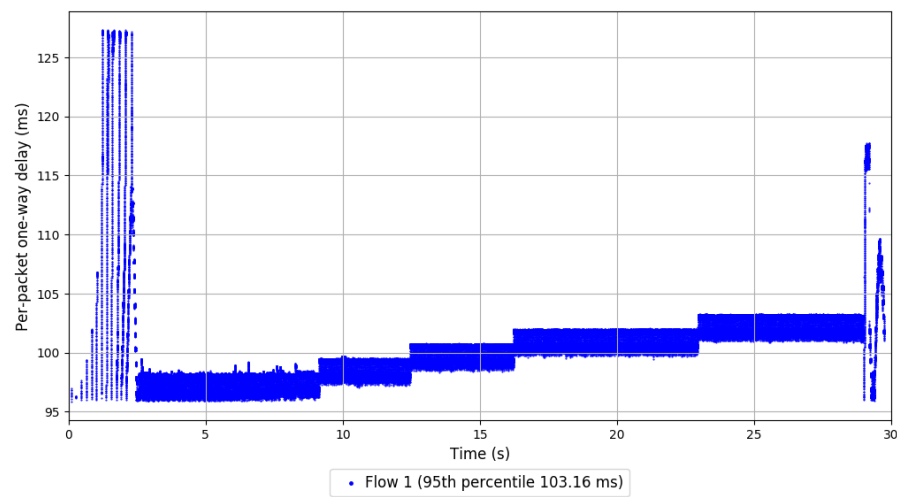
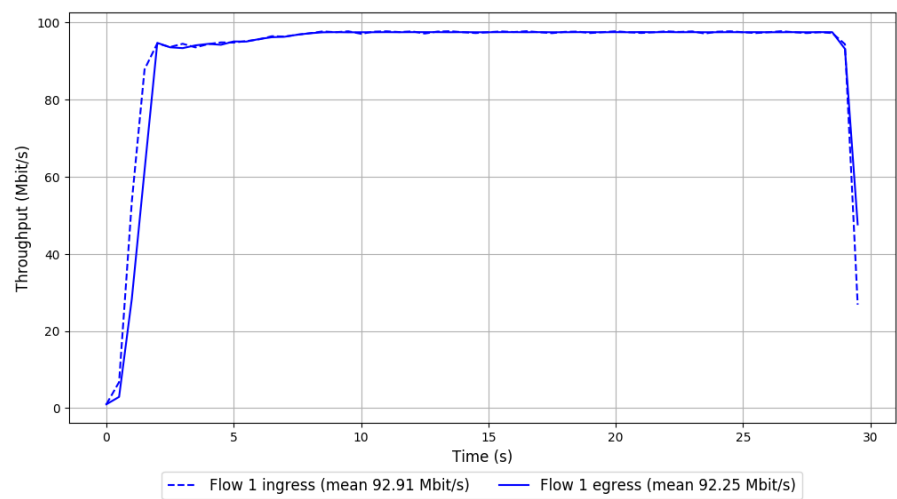
Average throughput: 92.25 Mbit/s

95th percentile per-packet one-way delay: 103.157 ms

Loss rate: 0.68%



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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-10 15:21:25

End at: 2018-04-10 15:21:55

Local clock offset: -6.505 ms

Remote clock offset: 7.417 ms

# Below is generated by plot.py at 2018-04-10 17:12:51

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.87 Mbit/s

95th percentile per-packet one-way delay: 110.015 ms

Loss rate: 0.66%

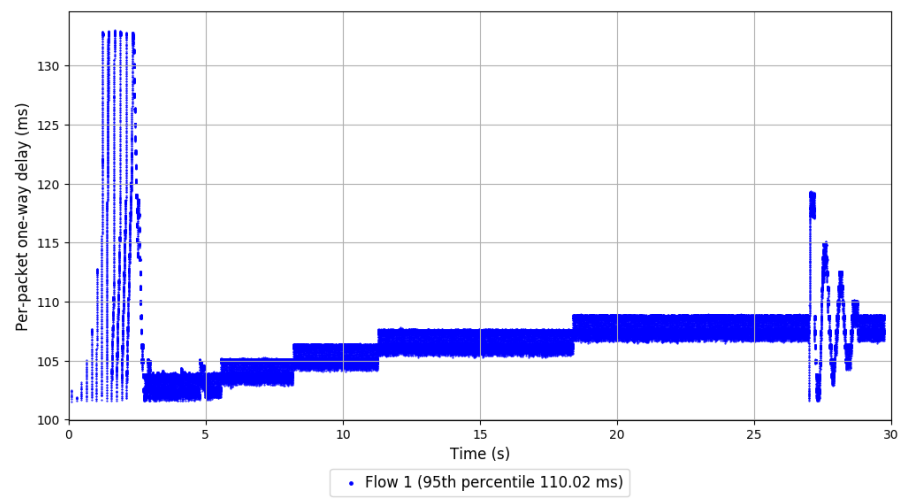
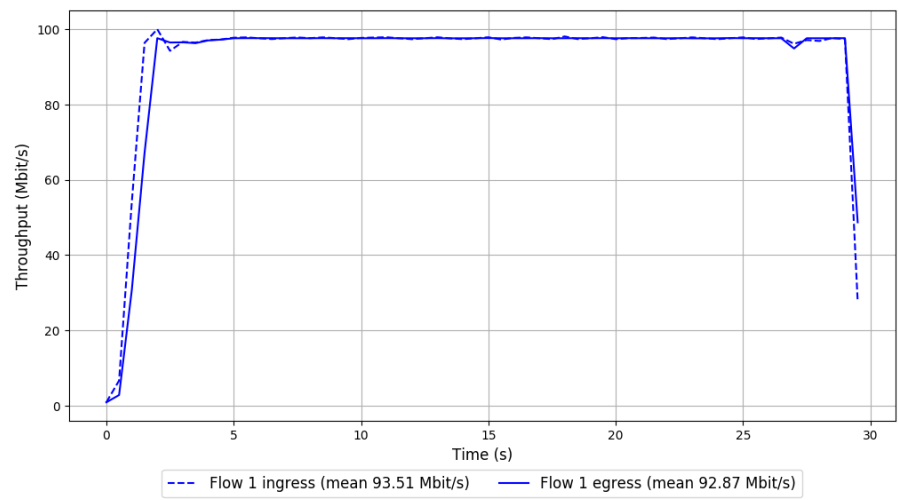
-- Flow 1:

Average throughput: 92.87 Mbit/s

95th percentile per-packet one-way delay: 110.015 ms

Loss rate: 0.66%

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



Run 9: Statistics of Indigo-1-32

Start at: 2018-04-10 15:43:56

End at: 2018-04-10 15:44:26

Local clock offset: -6.885 ms

Remote clock offset: 7.643 ms

# Below is generated by plot.py at 2018-04-10 17:12:51

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.94 Mbit/s

95th percentile per-packet one-way delay: 118.701 ms

Loss rate: 0.74%

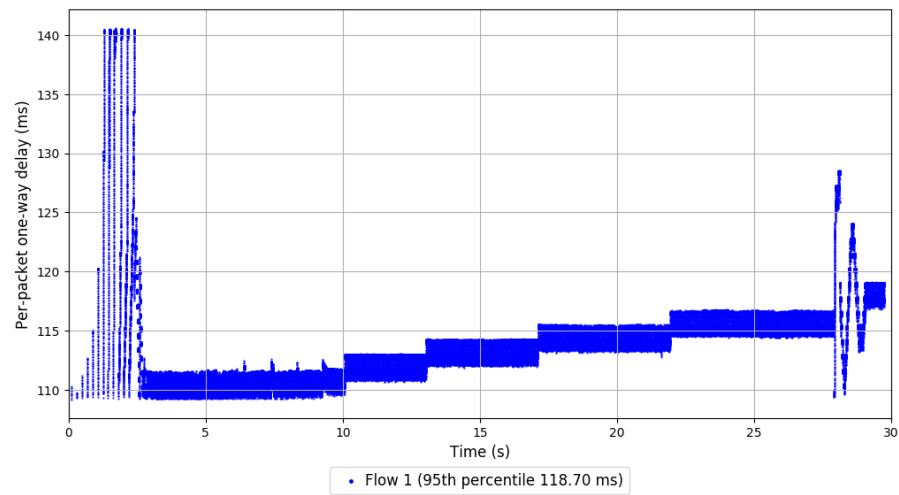
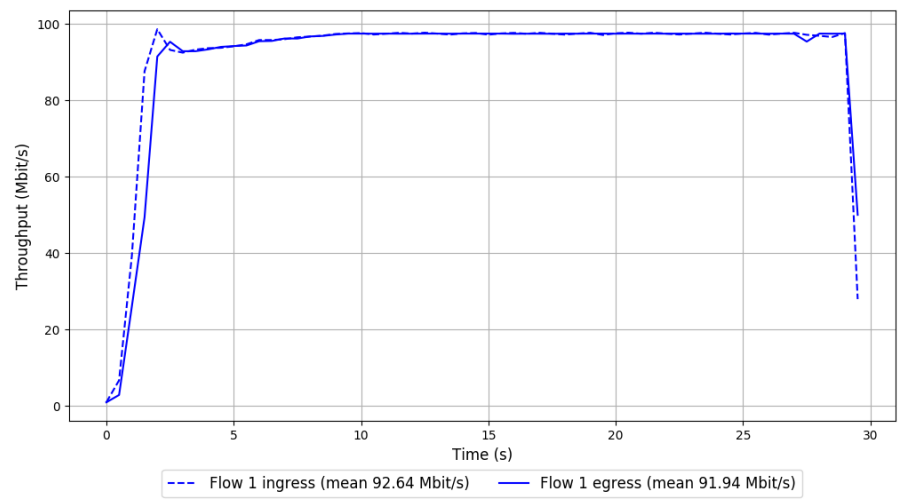
-- Flow 1:

Average throughput: 91.94 Mbit/s

95th percentile per-packet one-way delay: 118.701 ms

Loss rate: 0.74%

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



Run 10: Statistics of Indigo-1-32

Start at: 2018-04-10 16:06:23

End at: 2018-04-10 16:06:53

Local clock offset: -6.019 ms

Remote clock offset: 8.479 ms

# Below is generated by plot.py at 2018-04-10 17:13:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.10 Mbit/s

95th percentile per-packet one-way delay: 109.493 ms

Loss rate: 0.71%

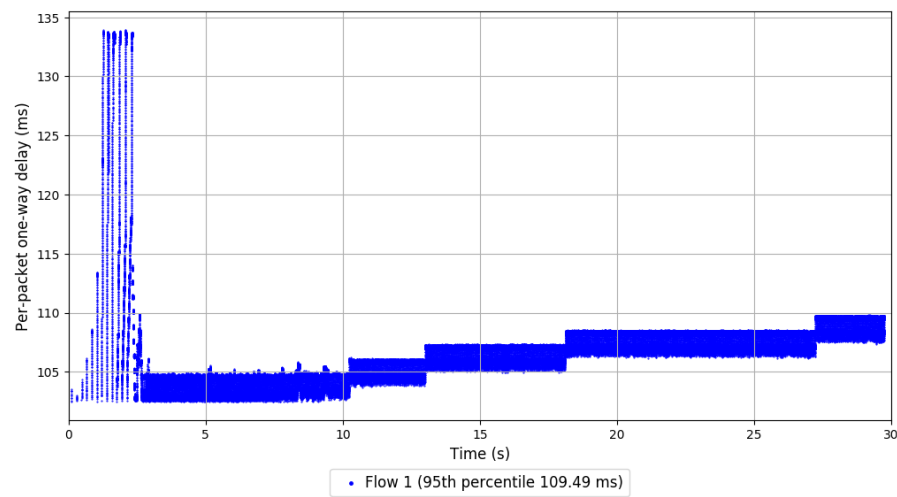
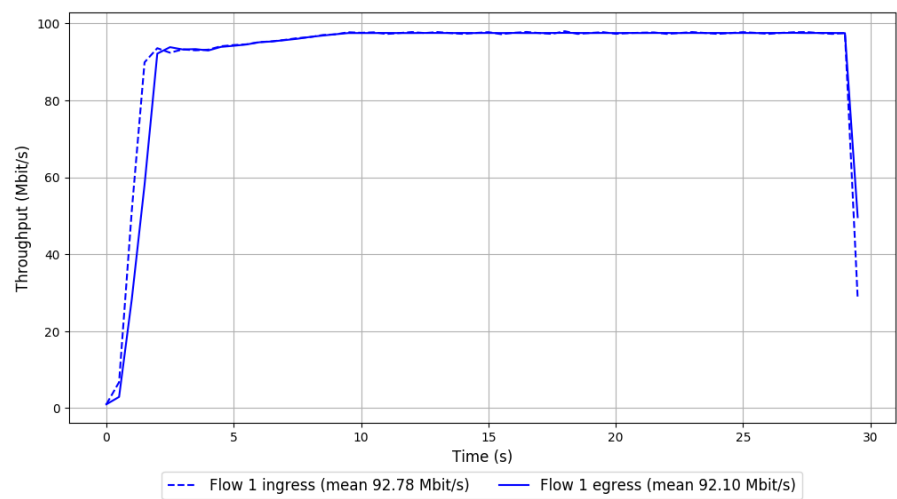
-- Flow 1:

Average throughput: 92.10 Mbit/s

95th percentile per-packet one-way delay: 109.493 ms

Loss rate: 0.71%

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



Run 1: Statistics of Vivace-latency

Start at: 2018-04-10 13:02:54

End at: 2018-04-10 13:03:24

Local clock offset: -5.931 ms

Remote clock offset: 6.153 ms

# Below is generated by plot.py at 2018-04-10 17:13:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.85 Mbit/s

95th percentile per-packet one-way delay: 108.694 ms

Loss rate: 0.04%

-- Flow 1:

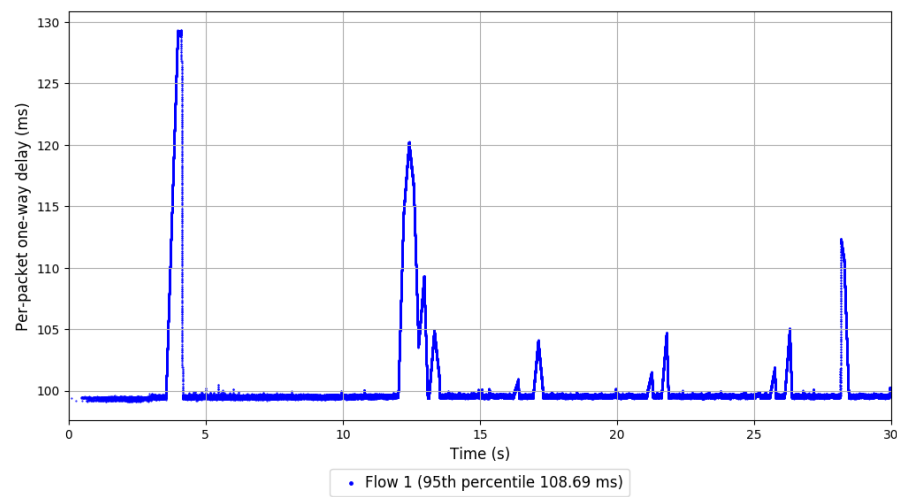
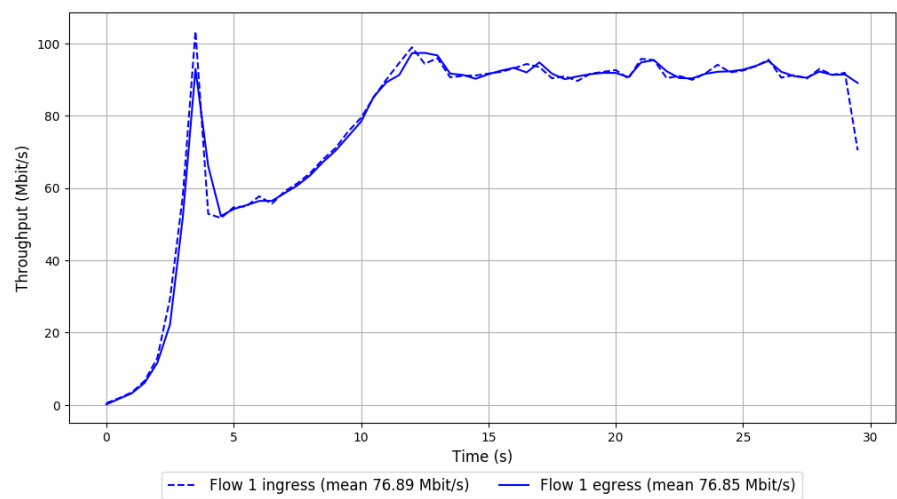
Average throughput: 76.85 Mbit/s

95th percentile per-packet one-way delay: 108.694 ms

Loss rate: 0.04%



Run 1: Report of Vivace-latency — Data Link



Run 2: Statistics of Vivace-latency

Start at: 2018-04-10 13:25:19

End at: 2018-04-10 13:25:49

Local clock offset: -6.601 ms

Remote clock offset: 0.867 ms

# Below is generated by plot.py at 2018-04-10 17:13:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.34 Mbit/s

95th percentile per-packet one-way delay: 122.625 ms

Loss rate: 0.16%

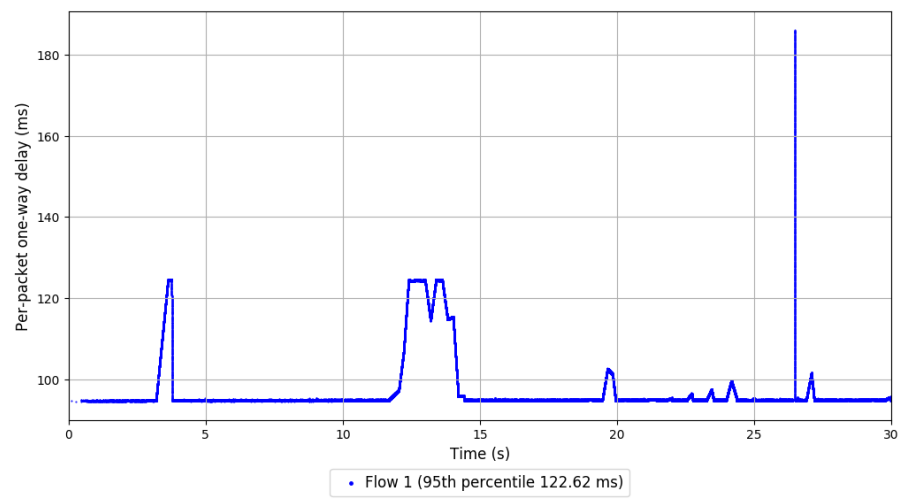
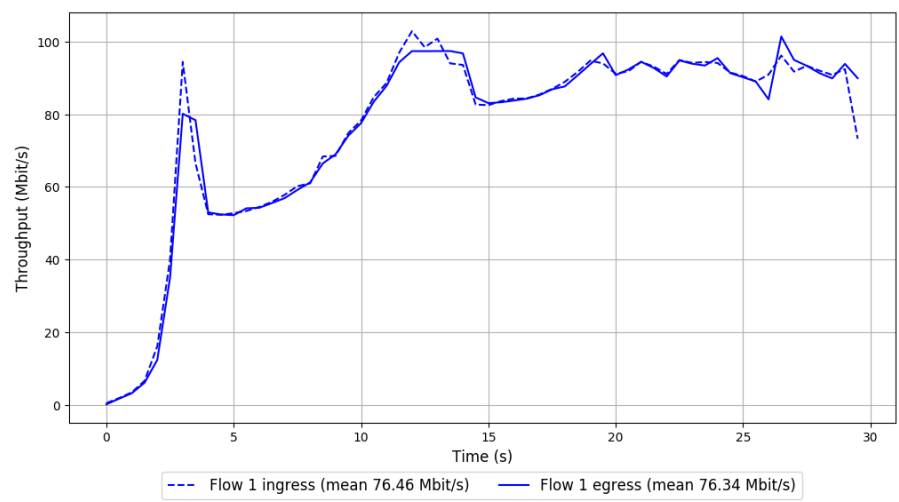
-- Flow 1:

Average throughput: 76.34 Mbit/s

95th percentile per-packet one-way delay: 122.625 ms

Loss rate: 0.16%

Run 2: Report of Vivace-latency — Data Link

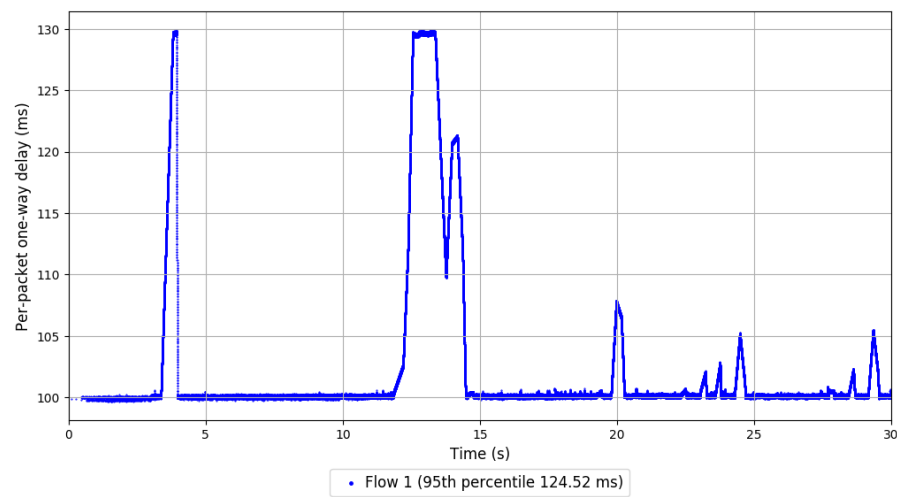
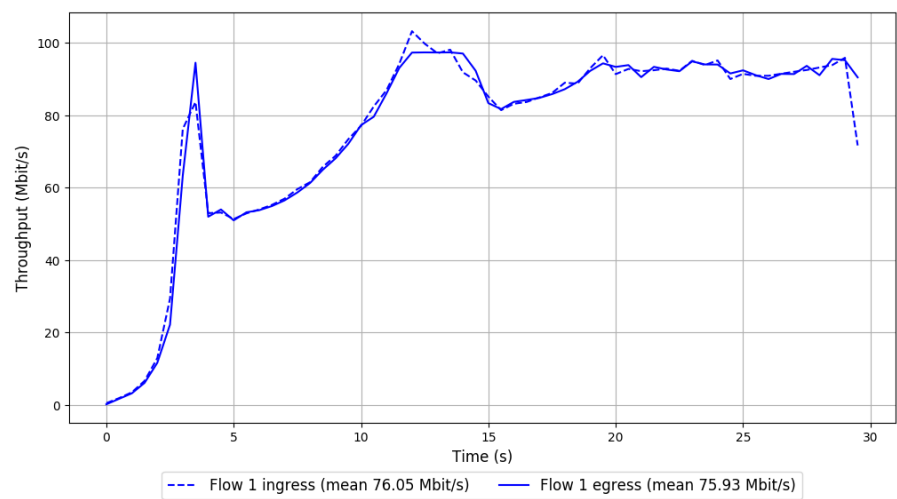


Run 3: Statistics of Vivace-latency

Start at: 2018-04-10 13:47:35  
End at: 2018-04-10 13:48:05  
Local clock offset: -5.954 ms  
Remote clock offset: 6.005 ms

# Below is generated by plot.py at 2018-04-10 17:13:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 75.93 Mbit/s  
95th percentile per-packet one-way delay: 124.519 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 75.93 Mbit/s  
95th percentile per-packet one-way delay: 124.519 ms  
Loss rate: 0.15%

Run 3: Report of Vivace-latency — Data Link



Run 4: Statistics of Vivace-latency

Start at: 2018-04-10 14:10:02

End at: 2018-04-10 14:10:32

Local clock offset: -6.097 ms

Remote clock offset: 2.431 ms

# Below is generated by plot.py at 2018-04-10 17:13:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.55 Mbit/s

95th percentile per-packet one-way delay: 104.153 ms

Loss rate: 0.04%

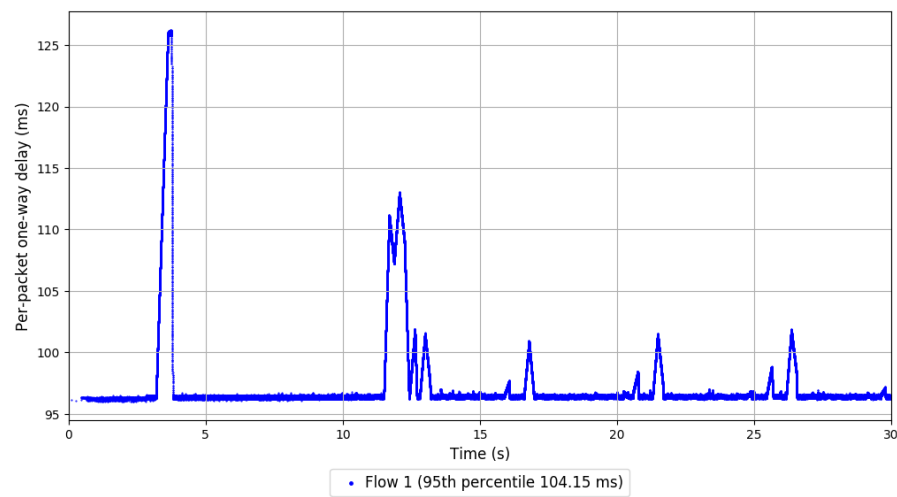
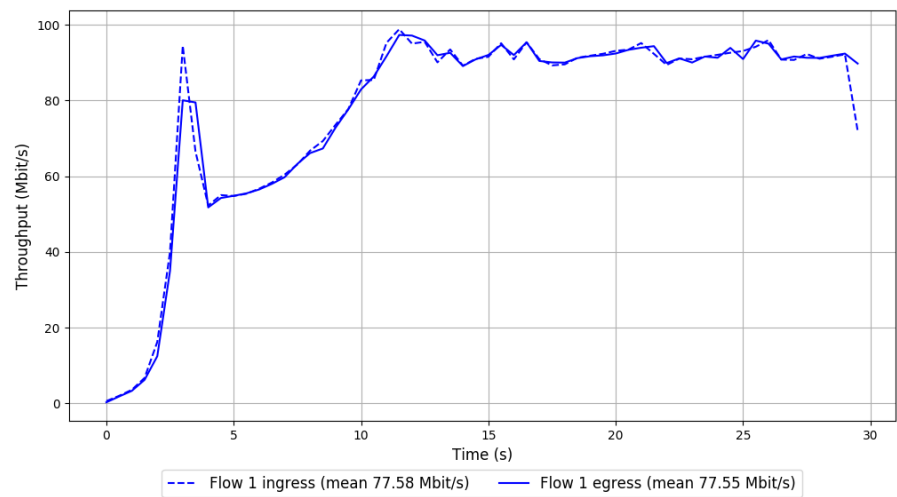
-- Flow 1:

Average throughput: 77.55 Mbit/s

95th percentile per-packet one-way delay: 104.153 ms

Loss rate: 0.04%

Run 4: Report of Vivace-latency — Data Link



Run 5: Statistics of Vivace-latency

Start at: 2018-04-10 14:32:33

End at: 2018-04-10 14:33:03

Local clock offset: -5.145 ms

Remote clock offset: 8.055 ms

# Below is generated by plot.py at 2018-04-10 17:13:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.84 Mbit/s

95th percentile per-packet one-way delay: 131.175 ms

Loss rate: 0.19%

-- Flow 1:

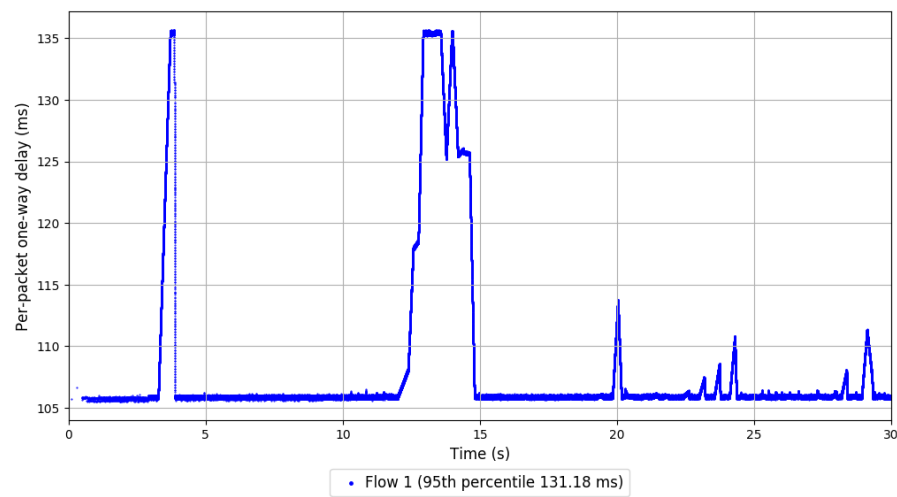
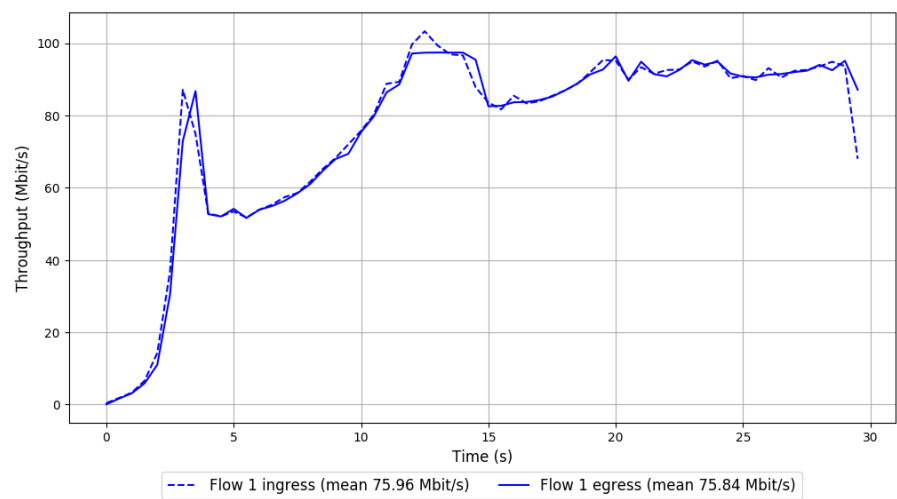
Average throughput: 75.84 Mbit/s

95th percentile per-packet one-way delay: 131.175 ms

Loss rate: 0.19%



Run 5: Report of Vivace-latency — Data Link



Run 6: Statistics of Vivace-latency

Start at: 2018-04-10 14:55:12

End at: 2018-04-10 14:55:42

Local clock offset: -6.577 ms

Remote clock offset: 8.295 ms

# Below is generated by plot.py at 2018-04-10 17:14:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.04 Mbit/s

95th percentile per-packet one-way delay: 121.493 ms

Loss rate: 0.08%

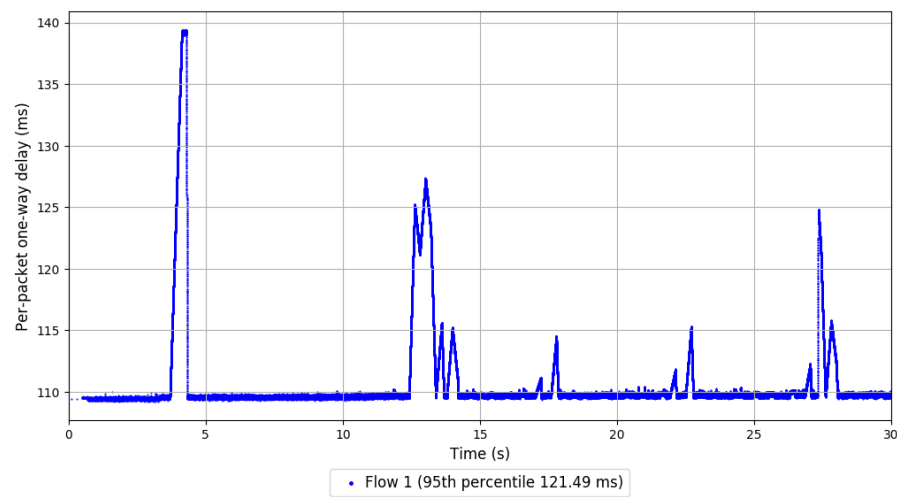
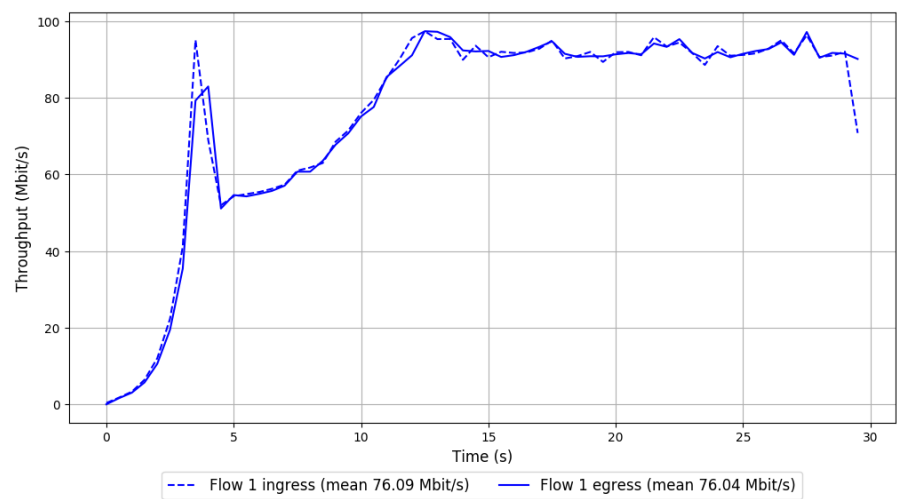
-- Flow 1:

Average throughput: 76.04 Mbit/s

95th percentile per-packet one-way delay: 121.493 ms

Loss rate: 0.08%

Run 6: Report of Vivace-latency — Data Link



Run 7: Statistics of Vivace-latency

Start at: 2018-04-10 15:17:42

End at: 2018-04-10 15:18:12

Local clock offset: -5.71 ms

Remote clock offset: 7.513 ms

# Below is generated by plot.py at 2018-04-10 17:14:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.25 Mbit/s

95th percentile per-packet one-way delay: 112.011 ms

Loss rate: 0.04%

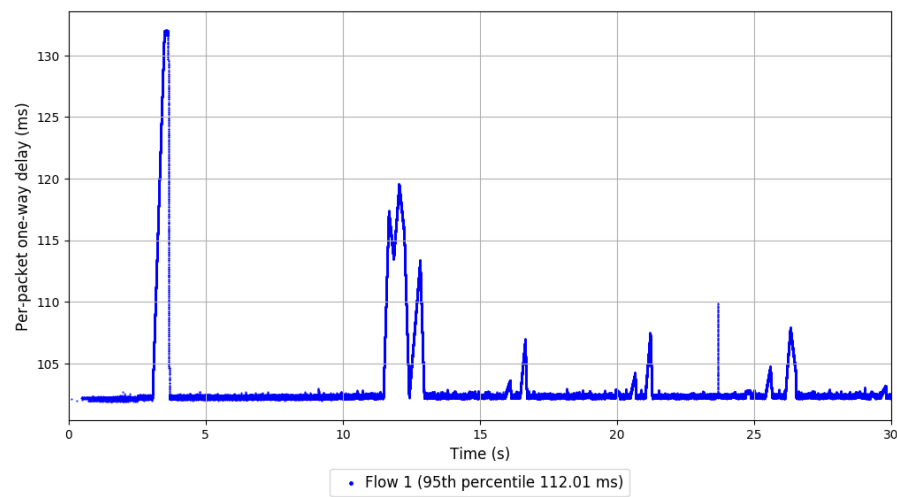
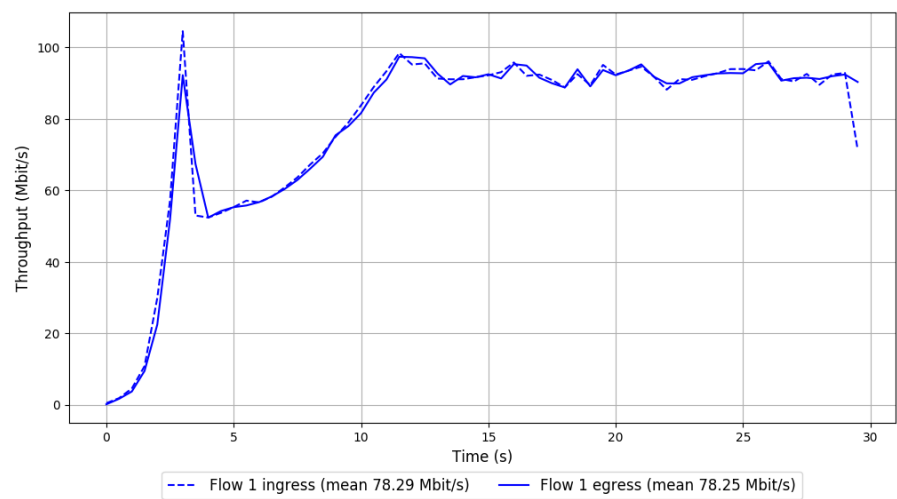
-- Flow 1:

Average throughput: 78.25 Mbit/s

95th percentile per-packet one-way delay: 112.011 ms

Loss rate: 0.04%

Run 7: Report of Vivace-latency — Data Link



Run 8: Statistics of Vivace-latency

Start at: 2018-04-10 15:40:18

End at: 2018-04-10 15:40:48

Local clock offset: -5.987 ms

Remote clock offset: 7.571 ms

# Below is generated by plot.py at 2018-04-10 17:14:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.28 Mbit/s

95th percentile per-packet one-way delay: 126.716 ms

Loss rate: 0.17%

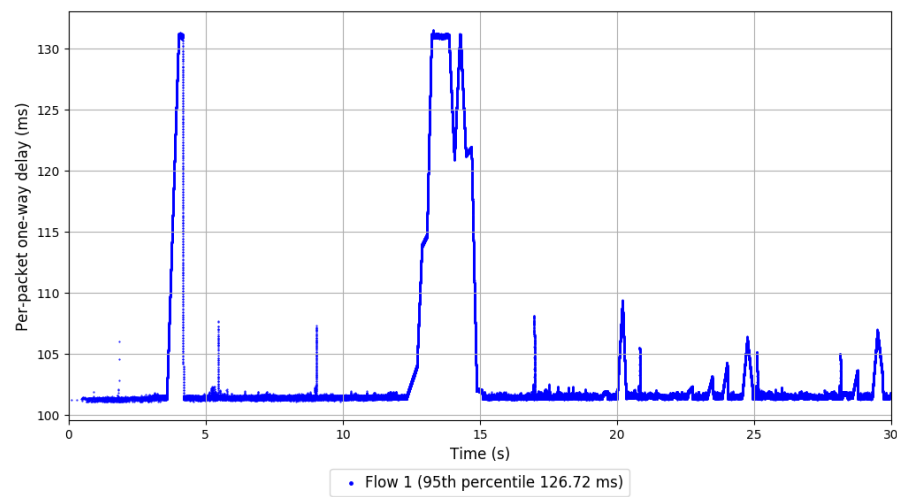
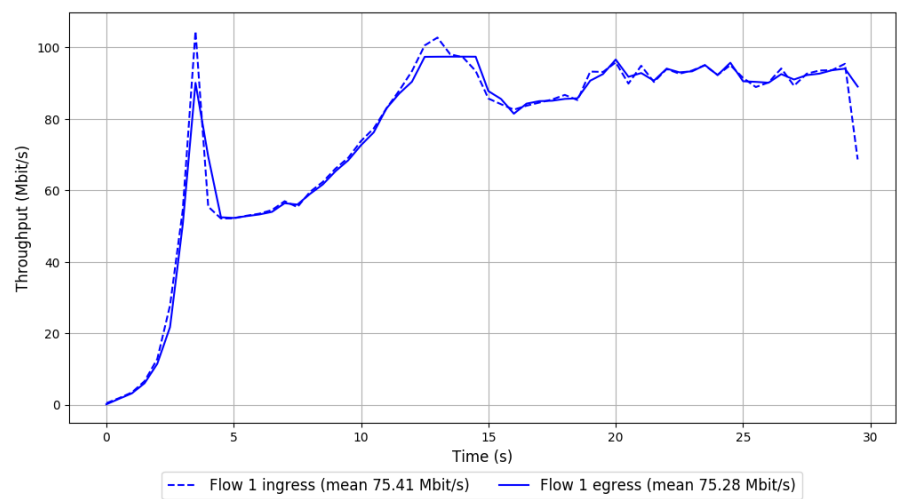
-- Flow 1:

Average throughput: 75.28 Mbit/s

95th percentile per-packet one-way delay: 126.716 ms

Loss rate: 0.17%

Run 8: Report of Vivace-latency — Data Link



Run 9: Statistics of Vivace-latency

Start at: 2018-04-10 16:02:45

End at: 2018-04-10 16:03:15

Local clock offset: -6.761 ms

Remote clock offset: 7.944 ms

# Below is generated by plot.py at 2018-04-10 17:14:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.17 Mbit/s

95th percentile per-packet one-way delay: 128.878 ms

Loss rate: 0.16%

-- Flow 1:

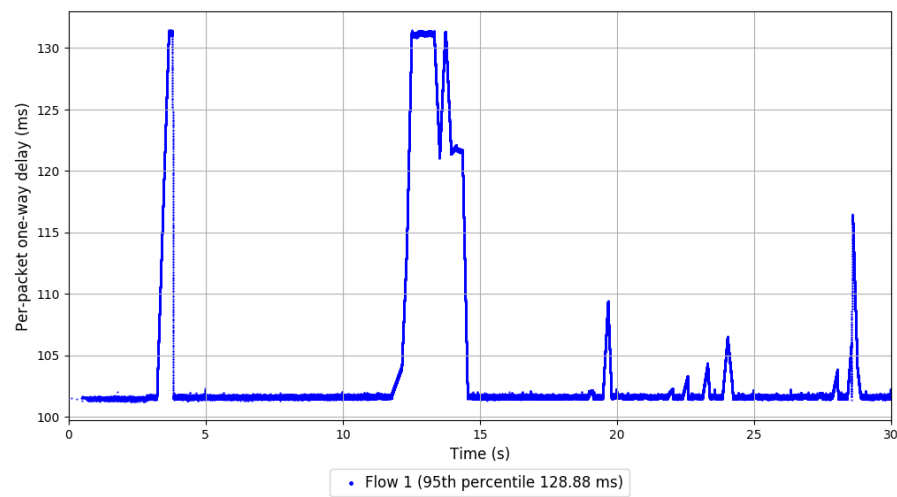
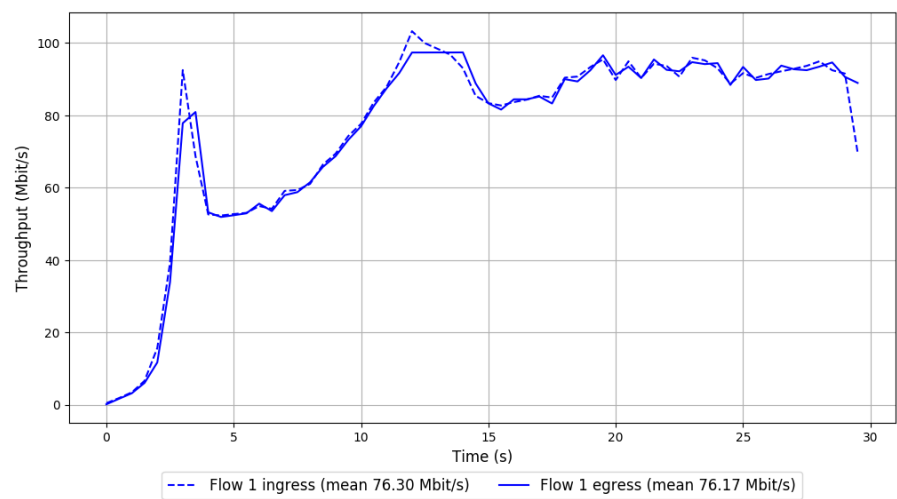
Average throughput: 76.17 Mbit/s

95th percentile per-packet one-way delay: 128.878 ms

Loss rate: 0.16%



Run 9: Report of Vivace-latency — Data Link



Run 10: Statistics of Vivace-latency

Start at: 2018-04-10 16:25:01

End at: 2018-04-10 16:25:31

Local clock offset: -5.978 ms

Remote clock offset: 9.677 ms

# Below is generated by plot.py at 2018-04-10 17:14:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.06 Mbit/s

95th percentile per-packet one-way delay: 108.481 ms

Loss rate: 0.04%

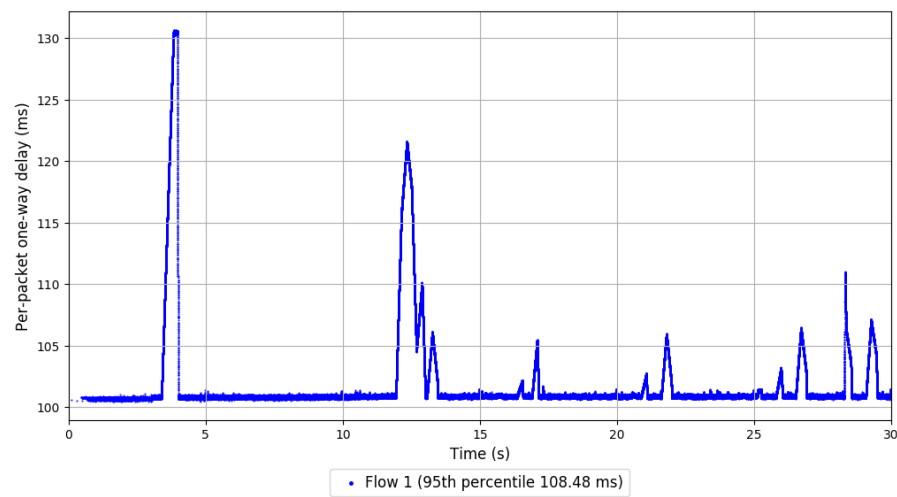
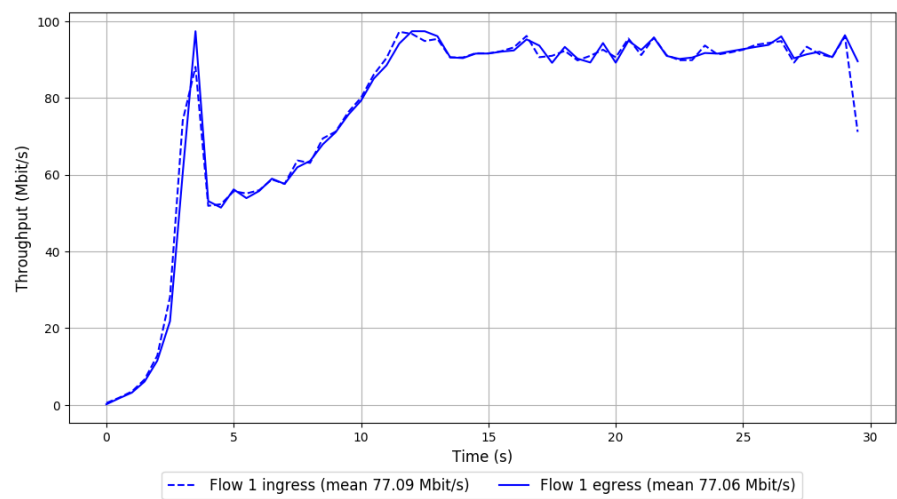
-- Flow 1:

Average throughput: 77.06 Mbit/s

95th percentile per-packet one-way delay: 108.481 ms

Loss rate: 0.04%

Run 10: Report of Vivace-latency — Data Link

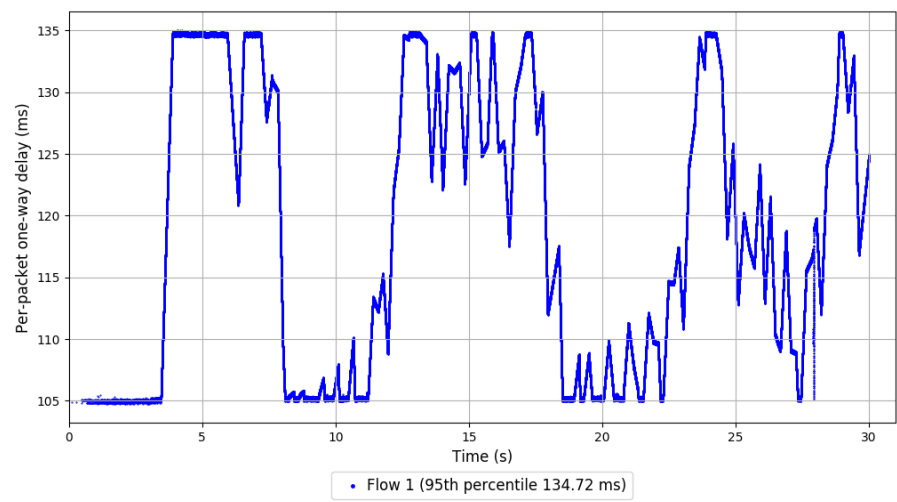
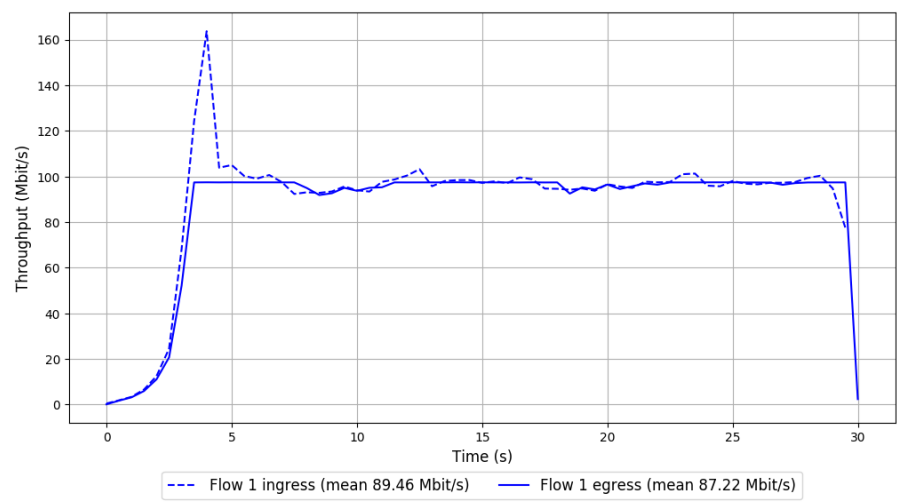


```
Run 1: Statistics of Vivace-loss

Start at: 2018-04-10 12:54:12
End at: 2018-04-10 12:54:42
Local clock offset: -5.201 ms
Remote clock offset: 6.894 ms

# Below is generated by plot.py at 2018-04-10 17:15:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.22 Mbit/s
95th percentile per-packet one-way delay: 134.722 ms
Loss rate: 2.45%
-- Flow 1:
Average throughput: 87.22 Mbit/s
95th percentile per-packet one-way delay: 134.722 ms
Loss rate: 2.45%
```

Run 1: Report of Vivace-loss — Data Link



Run 2: Statistics of Vivace-loss

Start at: 2018-04-10 13:16:37

End at: 2018-04-10 13:17:07

Local clock offset: -5.808 ms

Remote clock offset: 6.459 ms

# Below is generated by plot.py at 2018-04-10 17:15:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.94 Mbit/s

95th percentile per-packet one-way delay: 130.806 ms

Loss rate: 2.34%

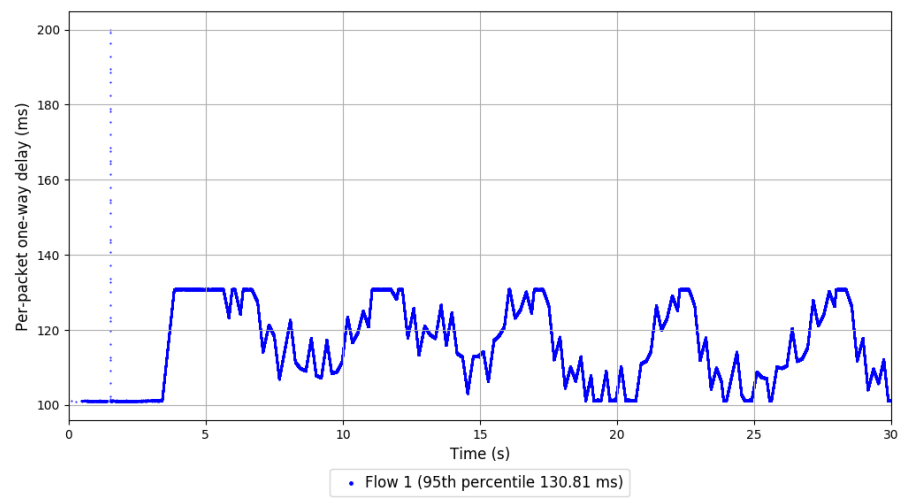
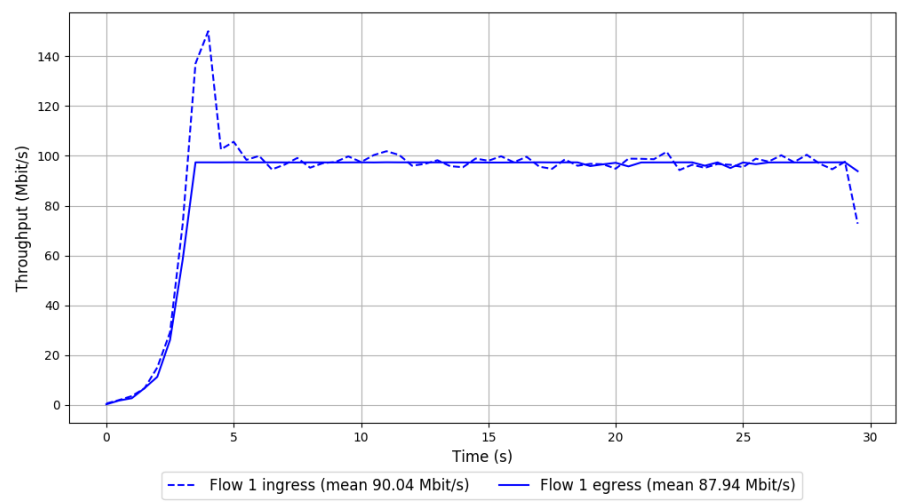
-- Flow 1:

Average throughput: 87.94 Mbit/s

95th percentile per-packet one-way delay: 130.806 ms

Loss rate: 2.34%

Run 2: Report of Vivace-loss — Data Link



Run 3: Statistics of Vivace-loss

Start at: 2018-04-10 13:38:49

End at: 2018-04-10 13:39:19

Local clock offset: -5.07 ms

Remote clock offset: 7.48 ms

# Below is generated by plot.py at 2018-04-10 17:15:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.26 Mbit/s

95th percentile per-packet one-way delay: 130.681 ms

Loss rate: 2.28%

-- Flow 1:

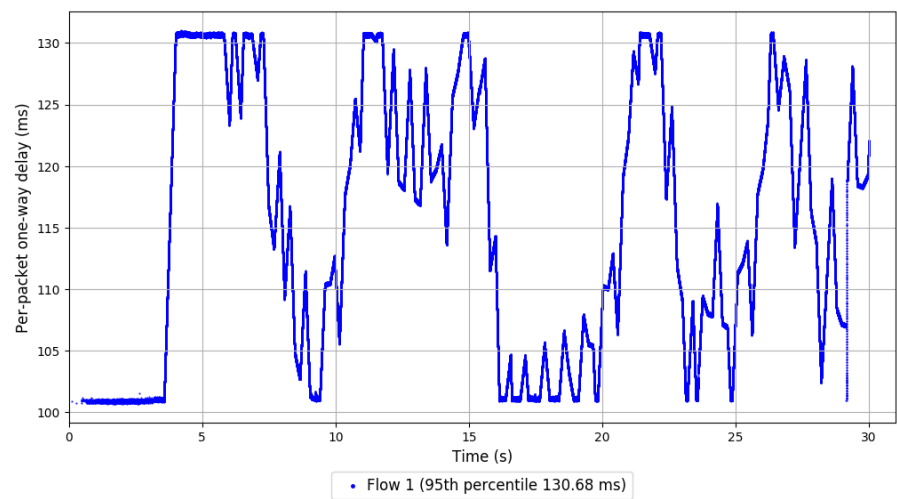
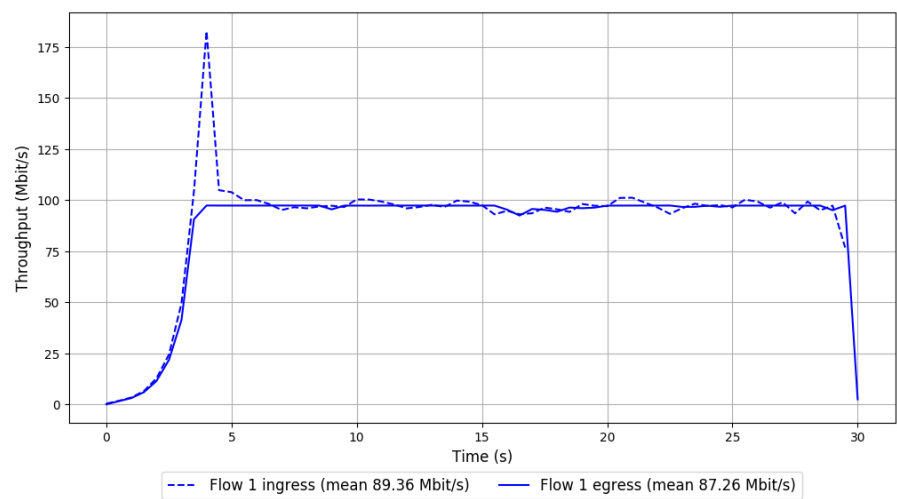
Average throughput: 87.26 Mbit/s

95th percentile per-packet one-way delay: 130.681 ms

Loss rate: 2.28%



Run 3: Report of Vivace-loss — Data Link



Run 4: Statistics of Vivace-loss

Start at: 2018-04-10 14:01:18

End at: 2018-04-10 14:01:48

Local clock offset: -6.03 ms

Remote clock offset: 6.281 ms

# Below is generated by plot.py at 2018-04-10 17:15:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.04 Mbit/s

95th percentile per-packet one-way delay: 129.662 ms

Loss rate: 2.32%

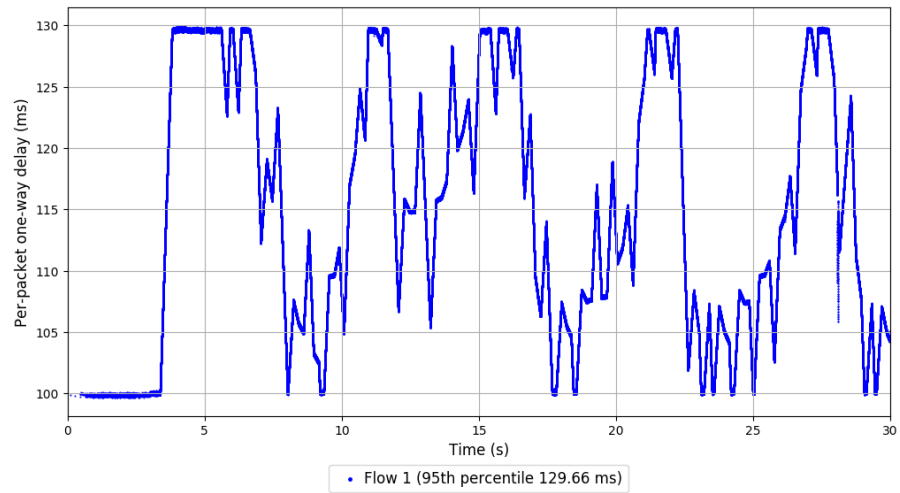
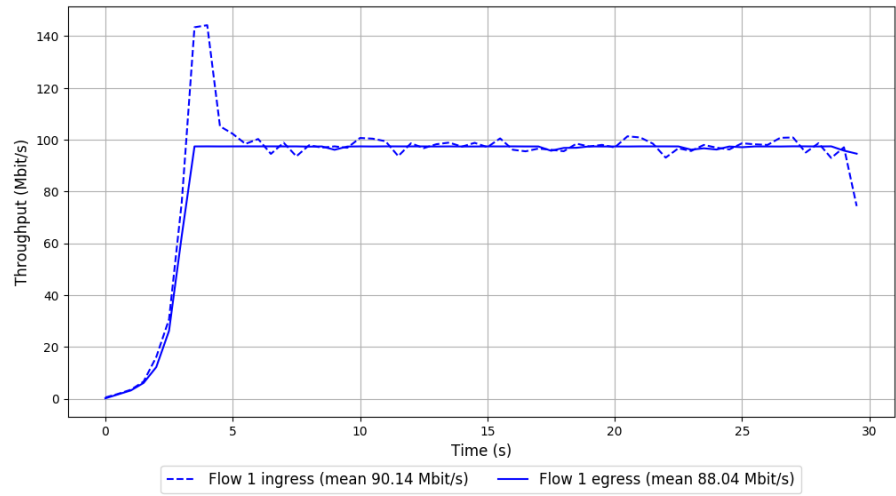
-- Flow 1:

Average throughput: 88.04 Mbit/s

95th percentile per-packet one-way delay: 129.662 ms

Loss rate: 2.32%

#### Run 4: Report of Vivace-loss — Data Link



Run 5: Statistics of Vivace-loss

Start at: 2018-04-10 14:23:48

End at: 2018-04-10 14:24:18

Local clock offset: -5.939 ms

Remote clock offset: 2.089 ms

# Below is generated by plot.py at 2018-04-10 17:15:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.71 Mbit/s

95th percentile per-packet one-way delay: 125.223 ms

Loss rate: 2.26%

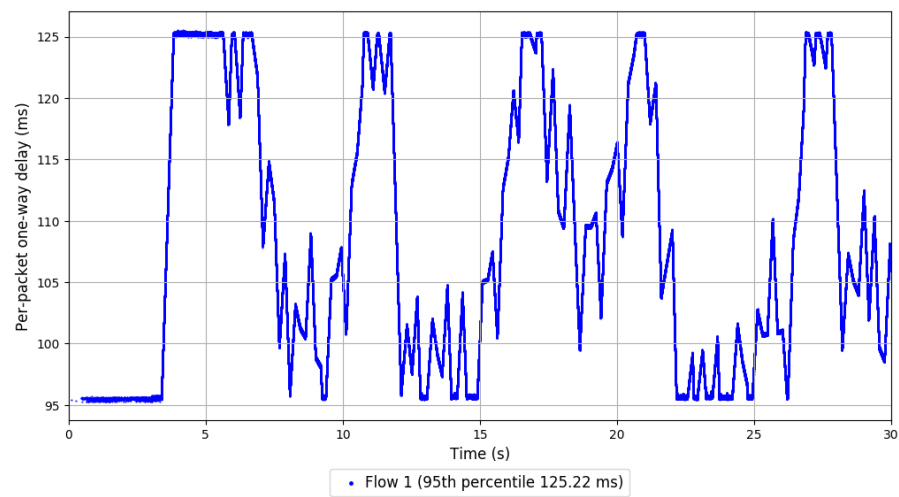
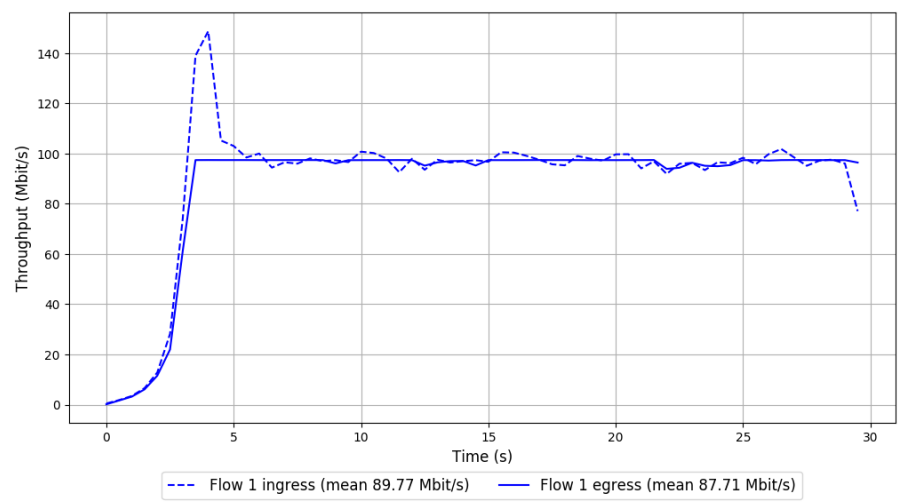
-- Flow 1:

Average throughput: 87.71 Mbit/s

95th percentile per-packet one-way delay: 125.223 ms

Loss rate: 2.26%

Run 5: Report of Vivace-loss — Data Link



Run 6: Statistics of Vivace-loss

Start at: 2018-04-10 14:46:29

End at: 2018-04-10 14:46:59

Local clock offset: -5.074 ms

Remote clock offset: 8.385 ms

# Below is generated by plot.py at 2018-04-10 17:15:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 65.24 Mbit/s

95th percentile per-packet one-way delay: 137.082 ms

Loss rate: 3.17%

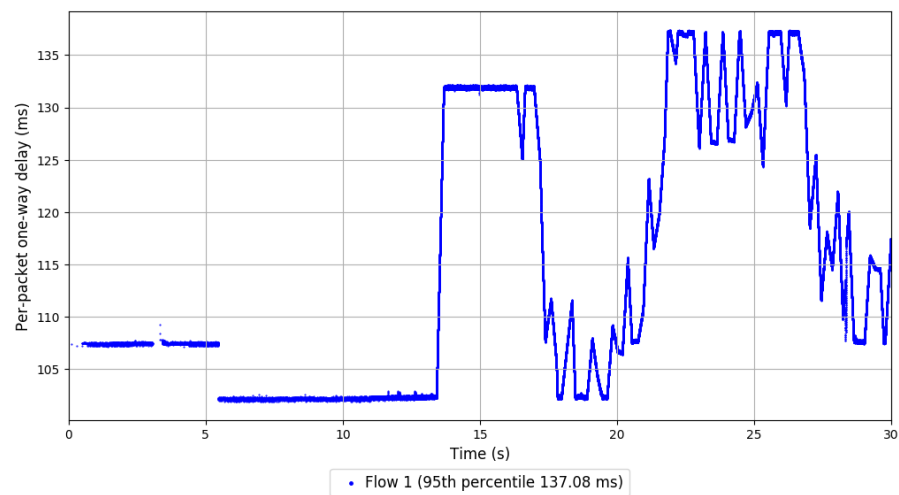
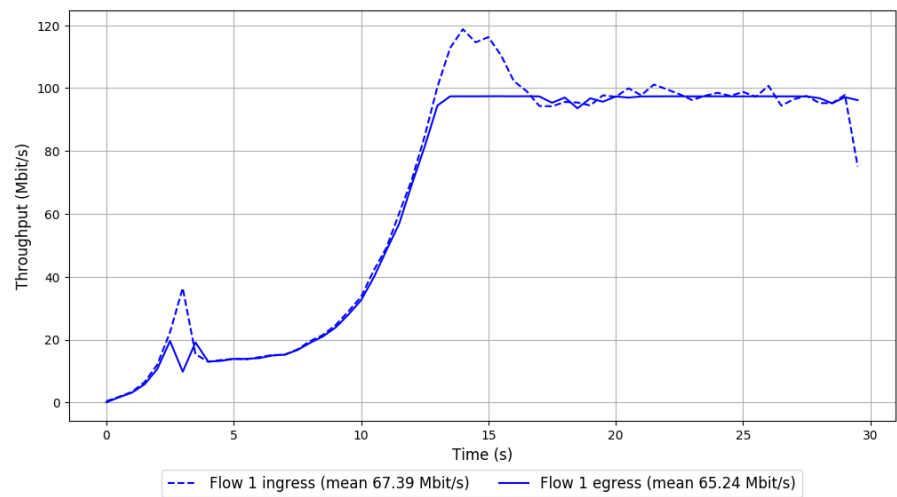
-- Flow 1:

Average throughput: 65.24 Mbit/s

95th percentile per-packet one-way delay: 137.082 ms

Loss rate: 3.17%

Run 6: Report of Vivace-loss — Data Link



Run 7: Statistics of Vivace-loss

Start at: 2018-04-10 15:08:57

End at: 2018-04-10 15:09:27

Local clock offset: -5.728 ms

Remote clock offset: 2.852 ms

# Below is generated by plot.py at 2018-04-10 17:15:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.22 Mbit/s

95th percentile per-packet one-way delay: 126.097 ms

Loss rate: 2.55%

-- Flow 1:

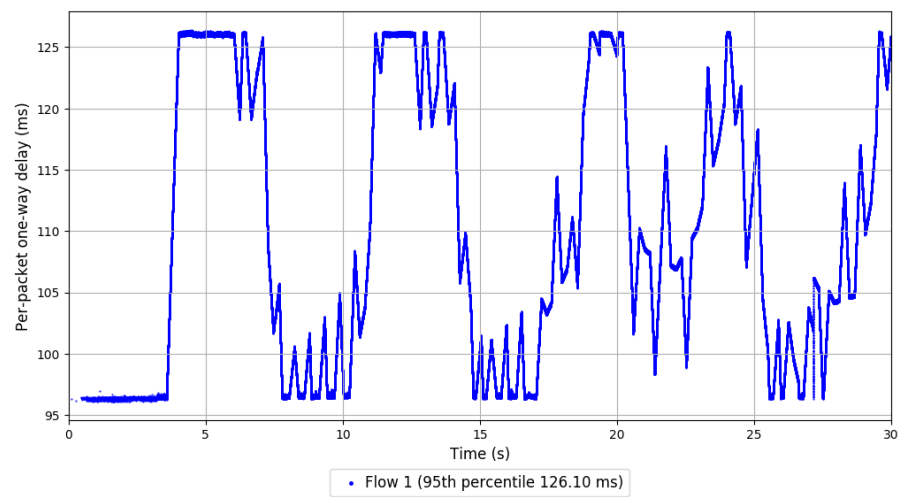
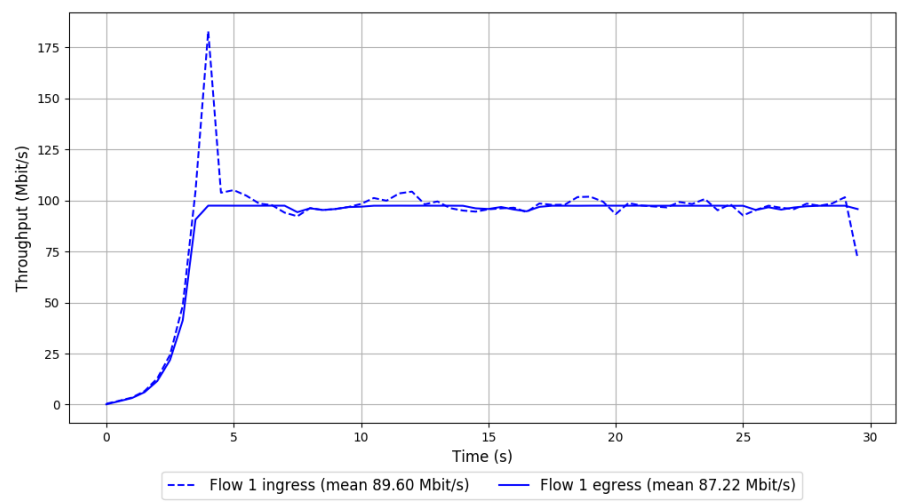
Average throughput: 87.22 Mbit/s

95th percentile per-packet one-way delay: 126.097 ms

Loss rate: 2.55%



Run 7: Report of Vivace-loss — Data Link



Run 8: Statistics of Vivace-loss

Start at: 2018-04-10 15:31:34

End at: 2018-04-10 15:32:04

Local clock offset: -5.188 ms

Remote clock offset: 2.776 ms

# Below is generated by plot.py at 2018-04-10 17:16:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.01 Mbit/s

95th percentile per-packet one-way delay: 123.887 ms

Loss rate: 2.49%

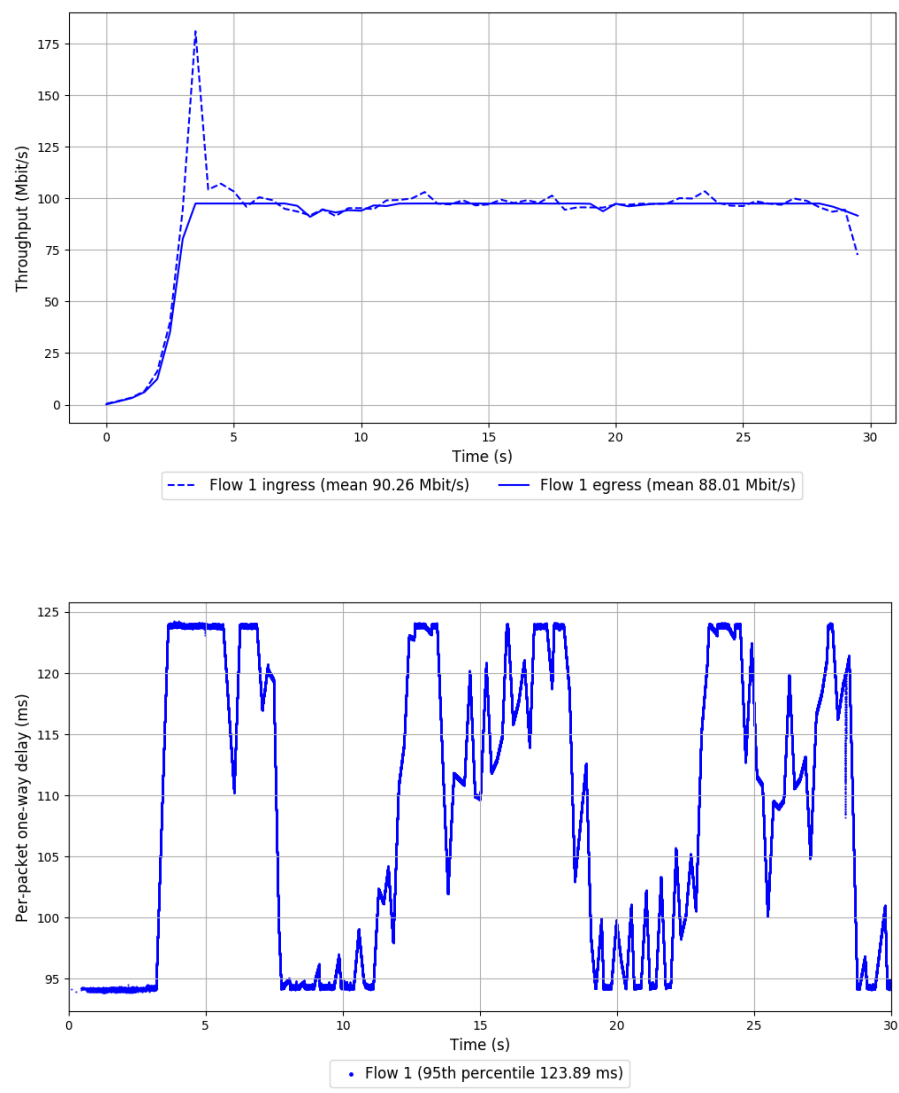
-- Flow 1:

Average throughput: 88.01 Mbit/s

95th percentile per-packet one-way delay: 123.887 ms

Loss rate: 2.49%

Run 8: Report of Vivace-loss — Data Link



Run 9: Statistics of Vivace-loss

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

End at: 2018-04-10 15:54:29

Local clock offset: -6.151 ms

Remote clock offset: 2.882 ms

# Below is generated by plot.py at 2018-04-10 17:16:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.39 Mbit/s

95th percentile per-packet one-way delay: 131.662 ms

Loss rate: 2.51%

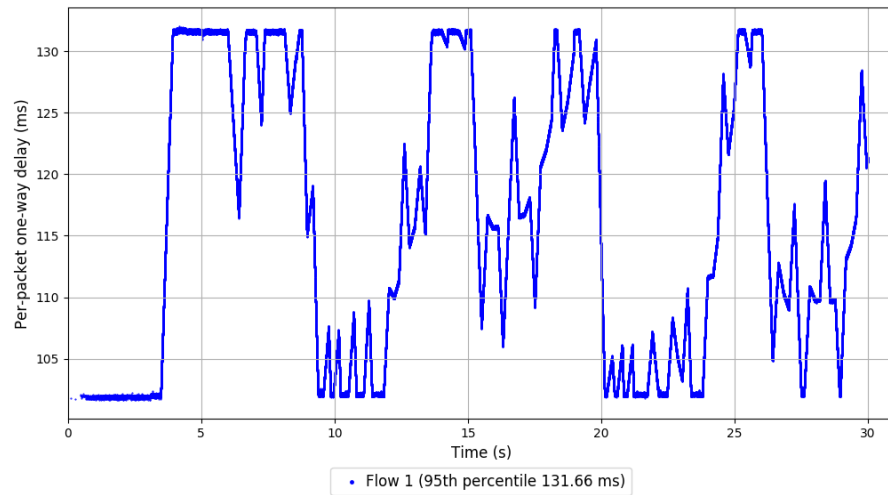
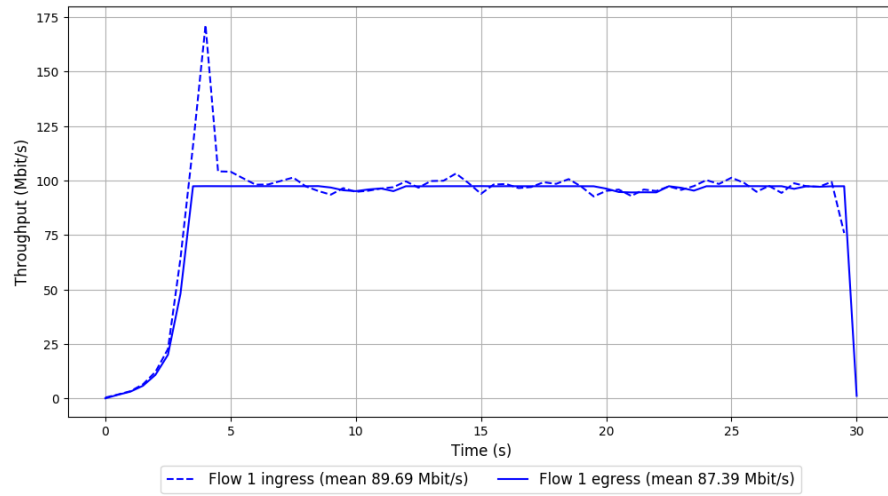
-- Flow 1:

Average throughput: 87.39 Mbit/s

95th percentile per-packet one-way delay: 131.662 ms

Loss rate: 2.51%

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



Run 10: Statistics of Vivace-loss

Start at: 2018-04-10 16:16:13

End at: 2018-04-10 16:16:43

Local clock offset: -5.997 ms

Remote clock offset: 4.456 ms

# Below is generated by plot.py at 2018-04-10 17:16:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.01 Mbit/s

95th percentile per-packet one-way delay: 125.706 ms

Loss rate: 2.29%

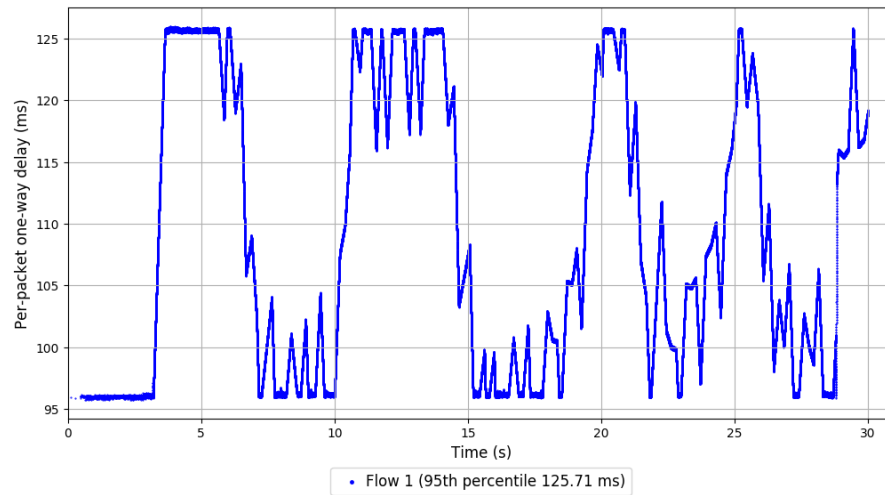
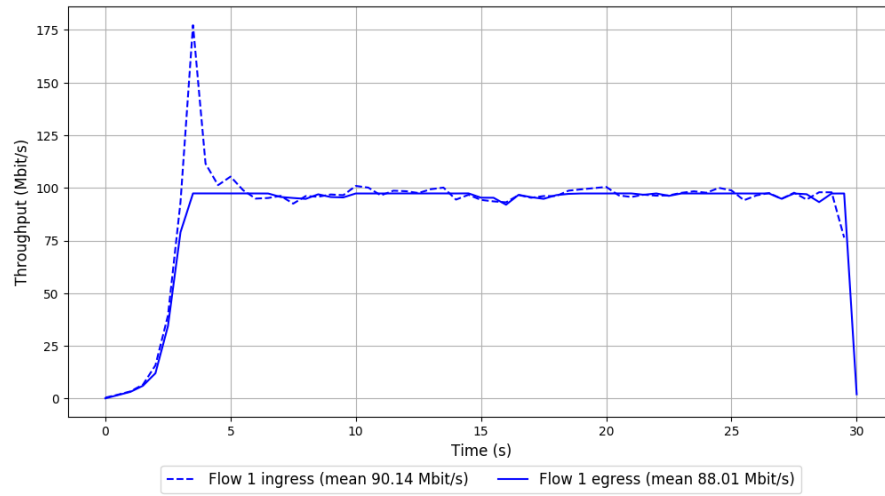
-- Flow 1:

Average throughput: 88.01 Mbit/s

95th percentile per-packet one-way delay: 125.706 ms

Loss rate: 2.29%

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



Run 1: Statistics of Vivace-LTE

Start at: 2018-04-10 13:00:25

End at: 2018-04-10 13:00:55

Local clock offset: -5.216 ms

Remote clock offset: 6.141 ms

# Below is generated by plot.py at 2018-04-10 17:16:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.21 Mbit/s

95th percentile per-packet one-way delay: 137.188 ms

Loss rate: 2.11%

-- Flow 1:

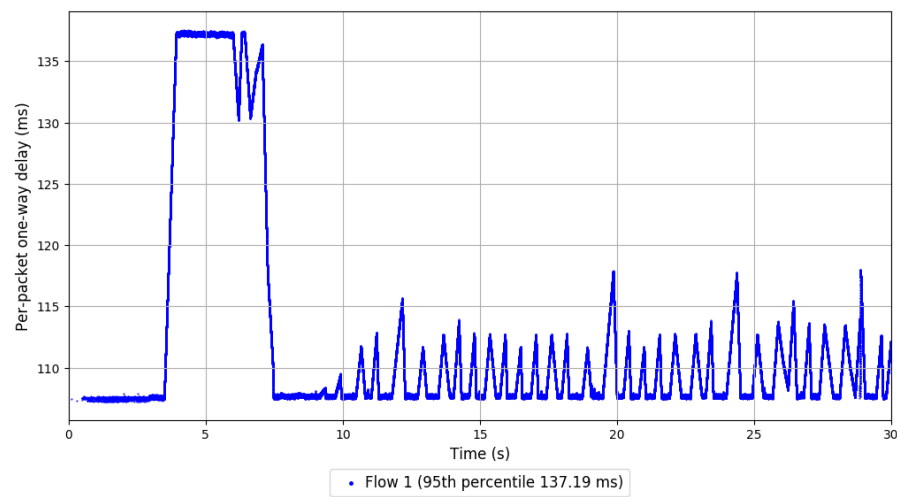
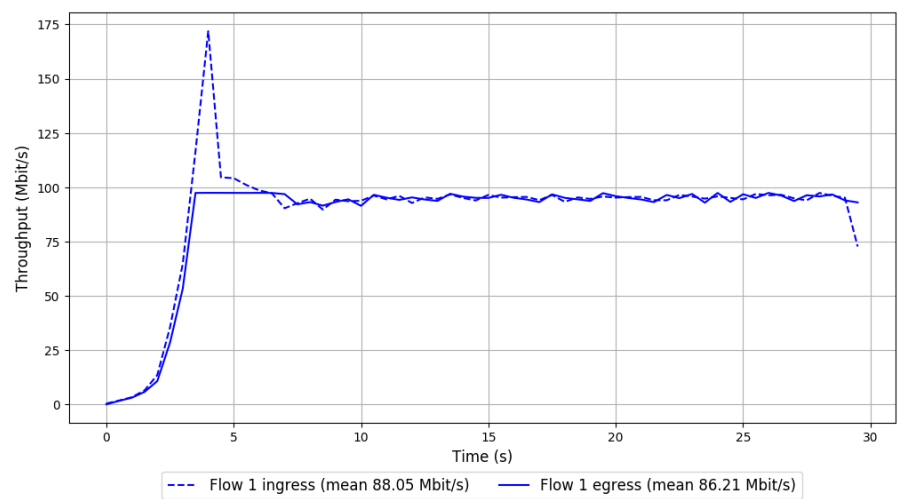
Average throughput: 86.21 Mbit/s

95th percentile per-packet one-way delay: 137.188 ms

Loss rate: 2.11%



Run 1: Report of Vivace-LTE — Data Link



Run 2: Statistics of Vivace-LTE

Start at: 2018-04-10 13:22:49

End at: 2018-04-10 13:23:19

Local clock offset: -6.562 ms

Remote clock offset: 1.708 ms

# Below is generated by plot.py at 2018-04-10 17:16:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.13 Mbit/s

95th percentile per-packet one-way delay: 126.353 ms

Loss rate: 2.02%

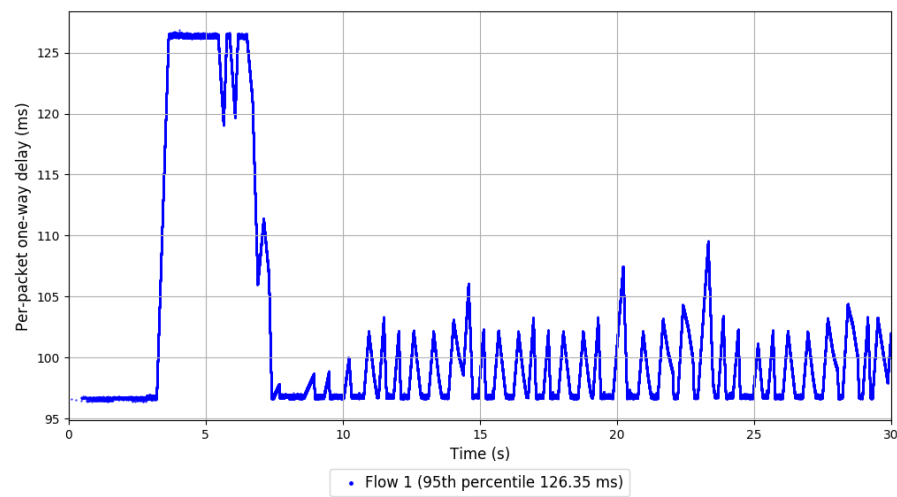
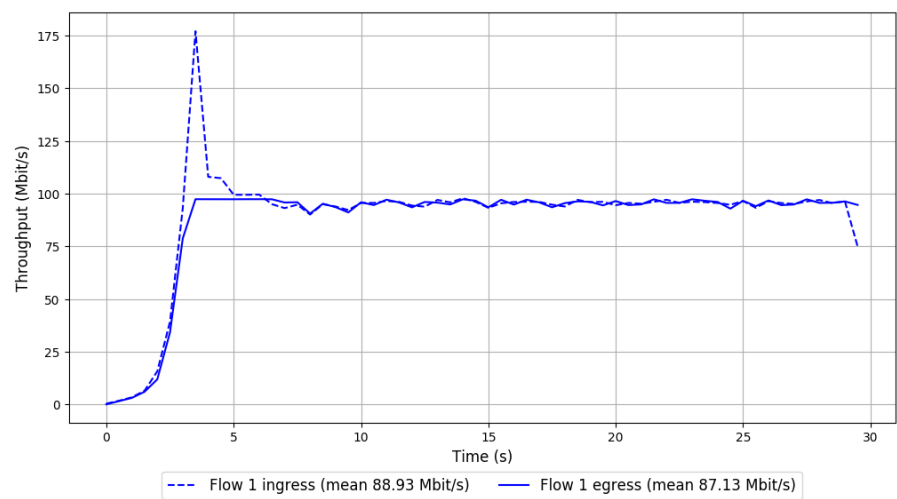
-- Flow 1:

Average throughput: 87.13 Mbit/s

95th percentile per-packet one-way delay: 126.353 ms

Loss rate: 2.02%

Run 2: Report of Vivace-LTE — Data Link



Run 3: Statistics of Vivace-LTE

Start at: 2018-04-10 13:45:05

End at: 2018-04-10 13:45:35

Local clock offset: -5.169 ms

Remote clock offset: 1.064 ms

# Below is generated by plot.py at 2018-04-10 17:16:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.63 Mbit/s

95th percentile per-packet one-way delay: 124.013 ms

Loss rate: 2.02%

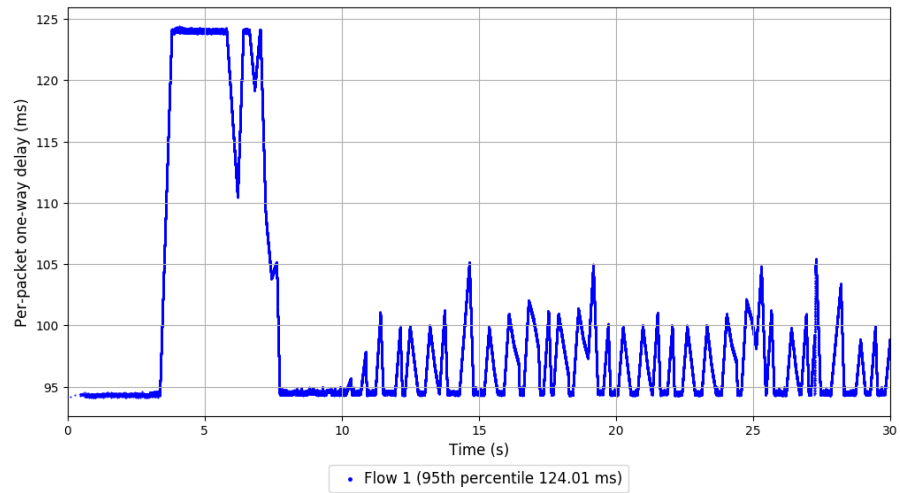
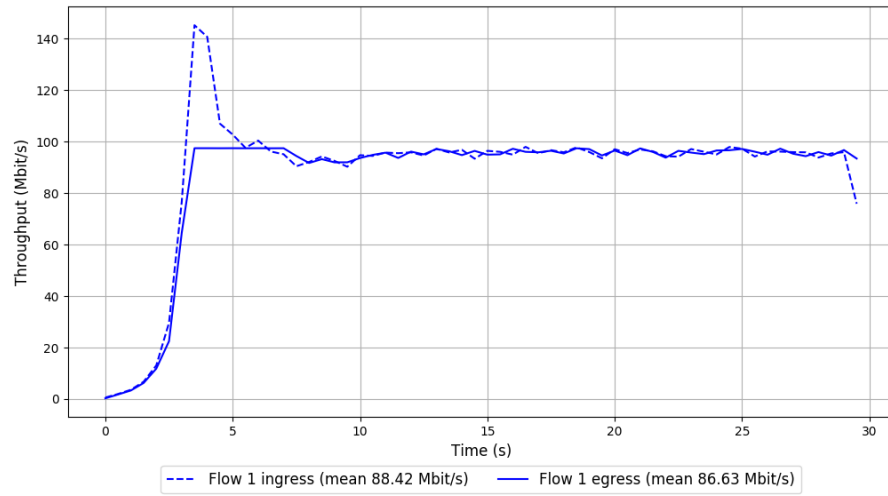
-- Flow 1:

Average throughput: 86.63 Mbit/s

95th percentile per-packet one-way delay: 124.013 ms

Loss rate: 2.02%

### Run 3: Report of Vivace-LTE — Data Link



Run 4: Statistics of Vivace-LTE

Start at: 2018-04-10 14:07:32

End at: 2018-04-10 14:08:03

Local clock offset: -5.342 ms

Remote clock offset: 1.554 ms

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

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.94 Mbit/s

95th percentile per-packet one-way delay: 124.071 ms

Loss rate: 2.02%

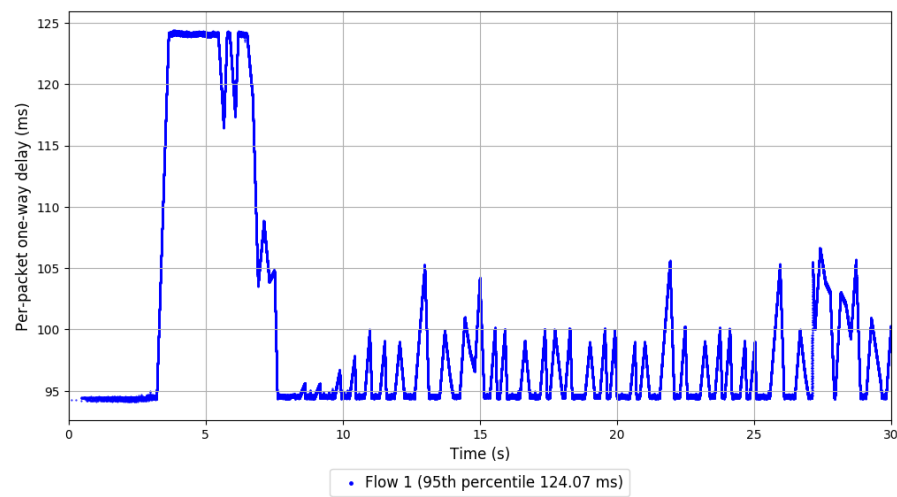
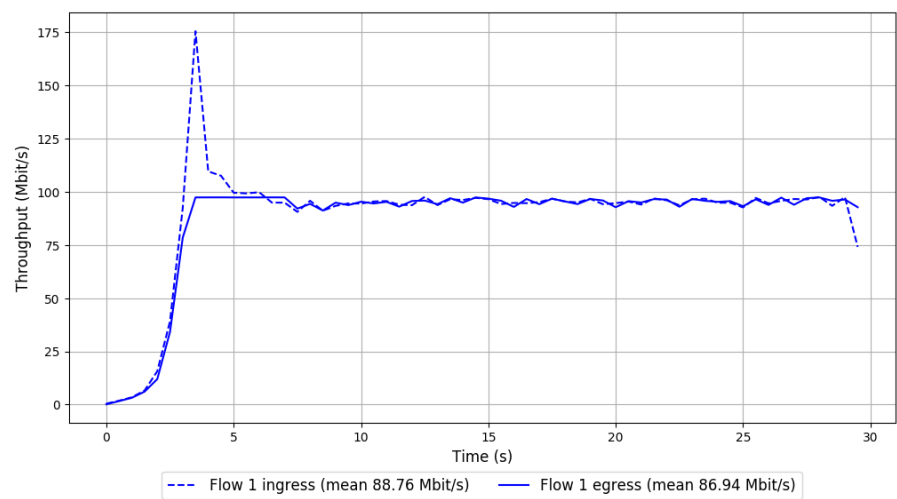
-- Flow 1:

Average throughput: 86.94 Mbit/s

95th percentile per-packet one-way delay: 124.071 ms

Loss rate: 2.02%

Run 4: Report of Vivace-LTE — Data Link



Run 5: Statistics of Vivace-LTE

Start at: 2018-04-10 14:30:03

End at: 2018-04-10 14:30:33

Local clock offset: -5.878 ms

Remote clock offset: 2.346 ms

# Below is generated by plot.py at 2018-04-10 17:17:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.34 Mbit/s

95th percentile per-packet one-way delay: 127.432 ms

Loss rate: 2.04%

-- Flow 1:

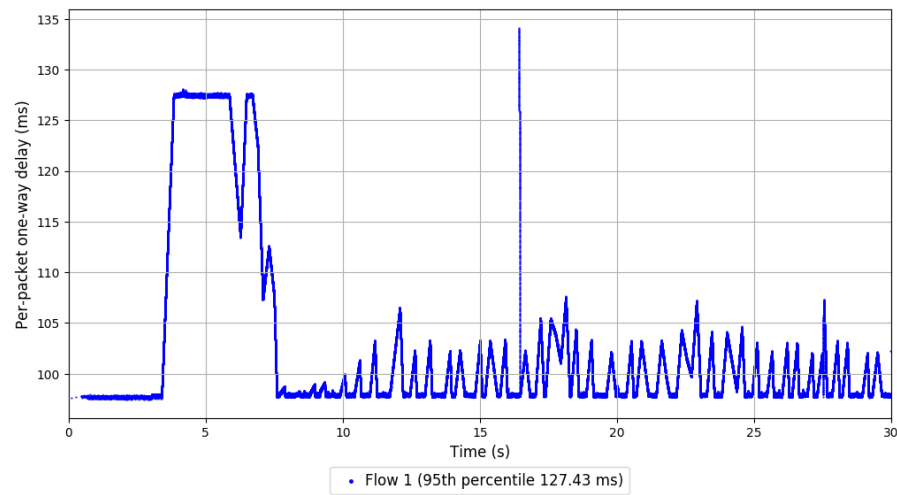
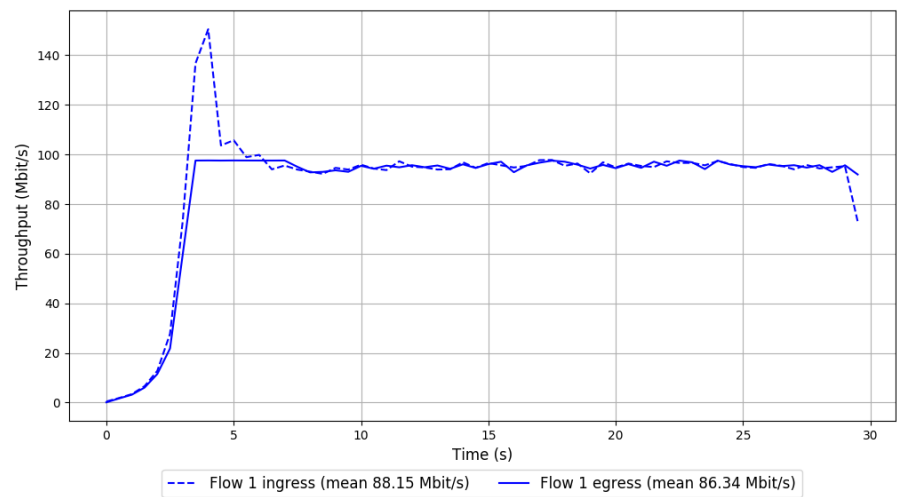
Average throughput: 86.34 Mbit/s

95th percentile per-packet one-way delay: 127.432 ms

Loss rate: 2.04%



Run 5: Report of Vivace-LTE — Data Link



Run 6: Statistics of Vivace-LTE

Start at: 2018-04-10 14:52:41

End at: 2018-04-10 14:53:11

Local clock offset: -5.81 ms

Remote clock offset: 3.679 ms

# Below is generated by plot.py at 2018-04-10 17:17:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.35 Mbit/s

95th percentile per-packet one-way delay: 128.594 ms

Loss rate: 2.07%

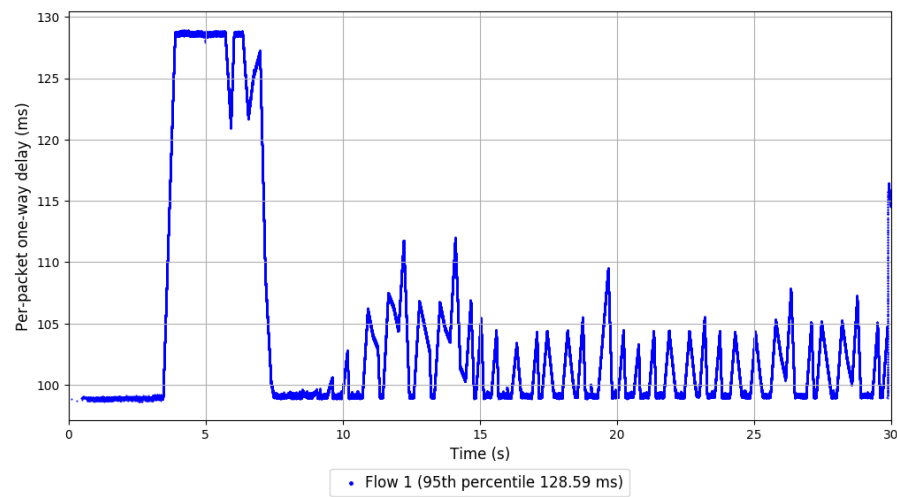
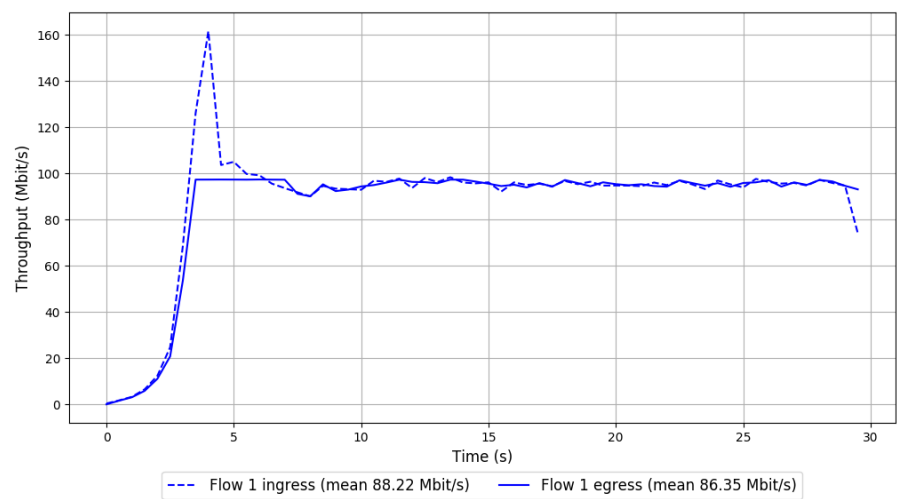
-- Flow 1:

Average throughput: 86.35 Mbit/s

95th percentile per-packet one-way delay: 128.594 ms

Loss rate: 2.07%

Run 6: Report of Vivace-LTE — Data Link



Run 7: Statistics of Vivace-LTE

Start at: 2018-04-10 15:15:11

End at: 2018-04-10 15:15:41

Local clock offset: -6.473 ms

Remote clock offset: 7.543 ms

# Below is generated by plot.py at 2018-04-10 17:17:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.40 Mbit/s

95th percentile per-packet one-way delay: 130.208 ms

Loss rate: 2.04%

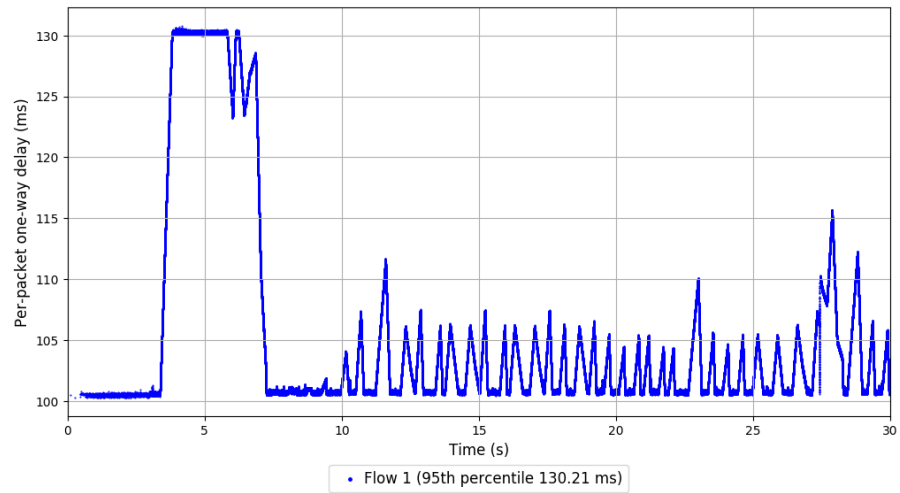
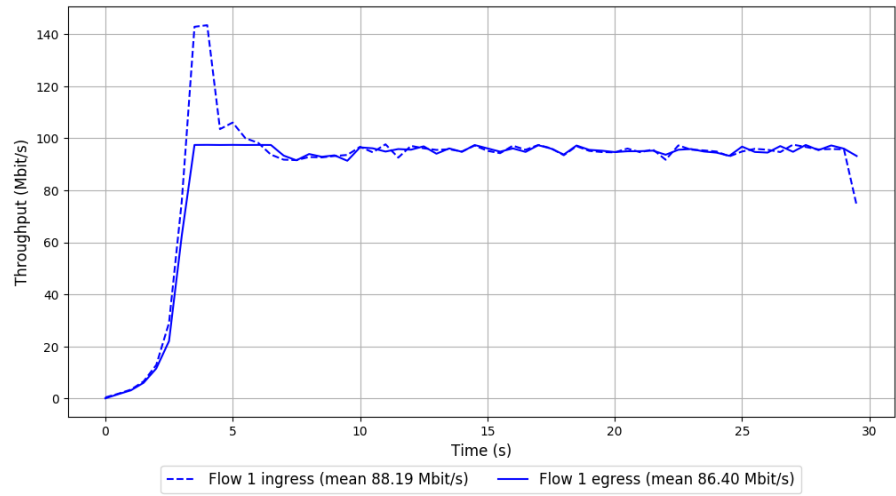
-- Flow 1:

Average throughput: 86.40 Mbit/s

95th percentile per-packet one-way delay: 130.208 ms

Loss rate: 2.04%

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



Run 8: Statistics of Vivace-LTE

Start at: 2018-04-10 15:37:48

End at: 2018-04-10 15:38:18

Local clock offset: -6.769 ms

Remote clock offset: 2.816 ms

# Below is generated by plot.py at 2018-04-10 17:17:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.11 Mbit/s

95th percentile per-packet one-way delay: 128.197 ms

Loss rate: 2.06%

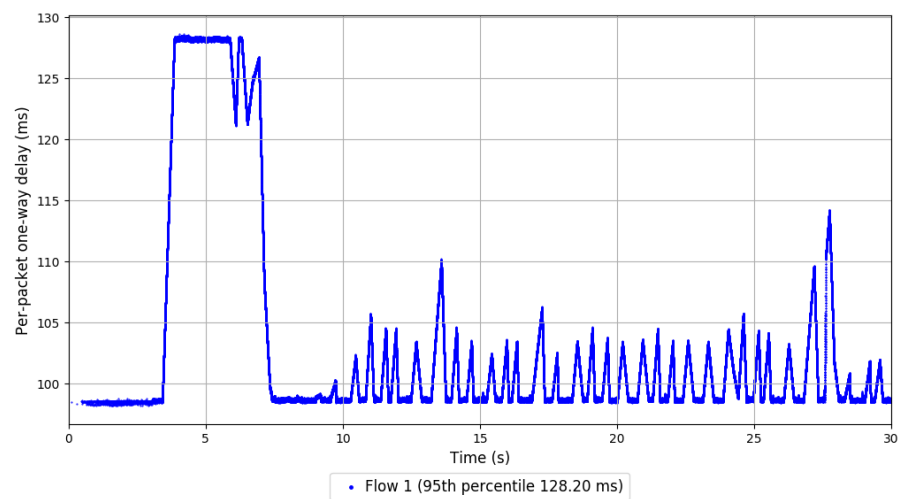
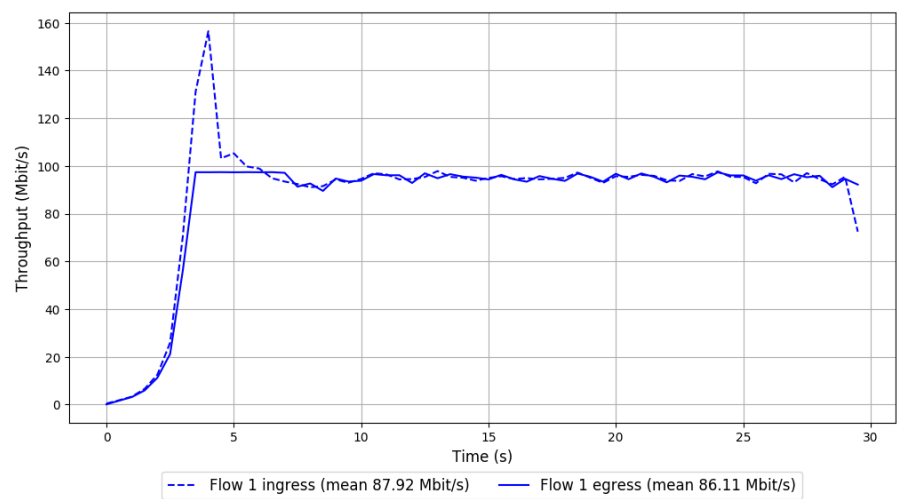
-- Flow 1:

Average throughput: 86.11 Mbit/s

95th percentile per-packet one-way delay: 128.197 ms

Loss rate: 2.06%

Run 8: Report of Vivace-LTE — Data Link



Run 9: Statistics of Vivace-LTE

Start at: 2018-04-10 16:00:14

End at: 2018-04-10 16:00:44

Local clock offset: -5.264 ms

Remote clock offset: 2.866 ms

# Below is generated by plot.py at 2018-04-10 17:17:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.64 Mbit/s

95th percentile per-packet one-way delay: 124.910 ms

Loss rate: 2.03%

-- Flow 1:

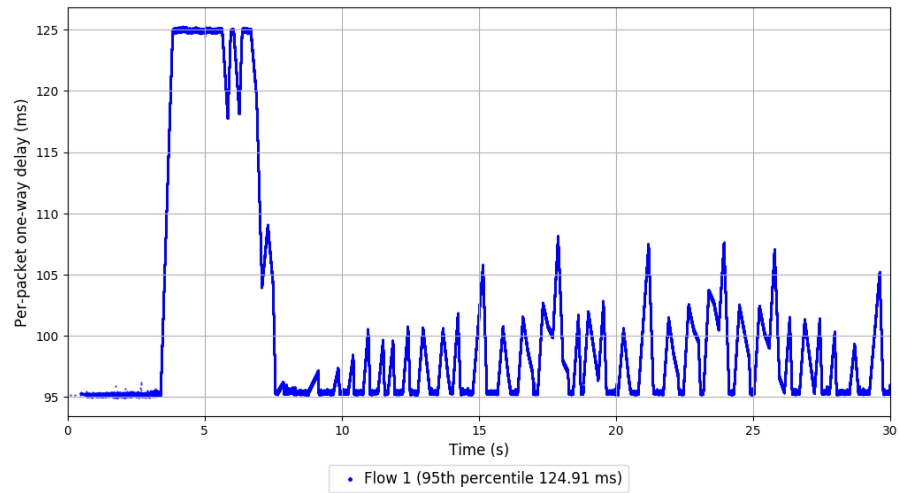
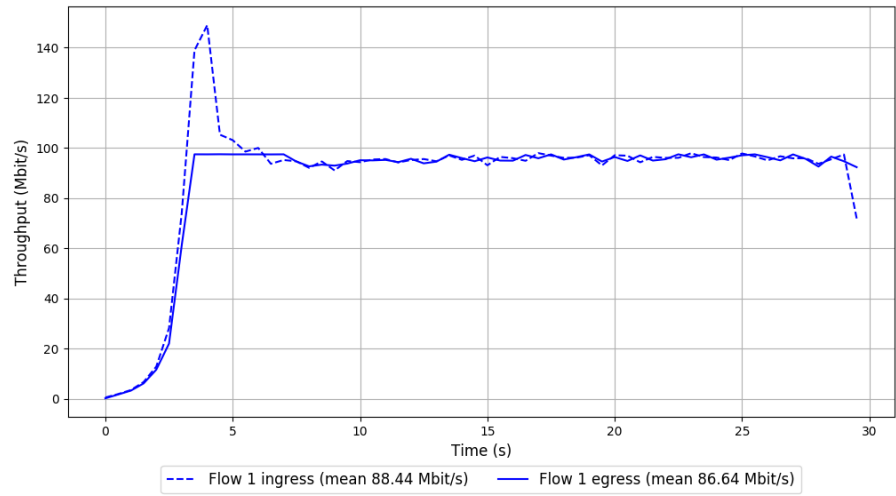
Average throughput: 86.64 Mbit/s

95th percentile per-packet one-way delay: 124.910 ms

Loss rate: 2.03%



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



Run 10: Statistics of Vivace-LTE

Start at: 2018-04-10 16:22:29

End at: 2018-04-10 16:22:59

Local clock offset: -5.975 ms

Remote clock offset: 4.724 ms

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

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.80 Mbit/s

95th percentile per-packet one-way delay: 125.818 ms

Loss rate: 2.04%

-- Flow 1:

Average throughput: 86.80 Mbit/s

95th percentile per-packet one-way delay: 125.818 ms

Loss rate: 2.04%

Run 10: Report of Vivace-LTE — Data Link

