

Pantheon Report

Generated at 2017-12-05 16:27:00 (UTC).

Data path: Mexico Ethernet (*remote*) → AWS California 2 Ethernet (*local*).

Repeated the test of 14 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

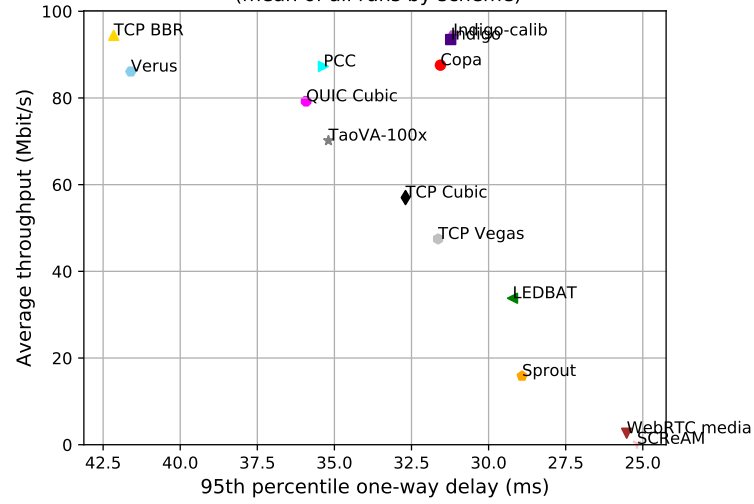
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo_fast**).

NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

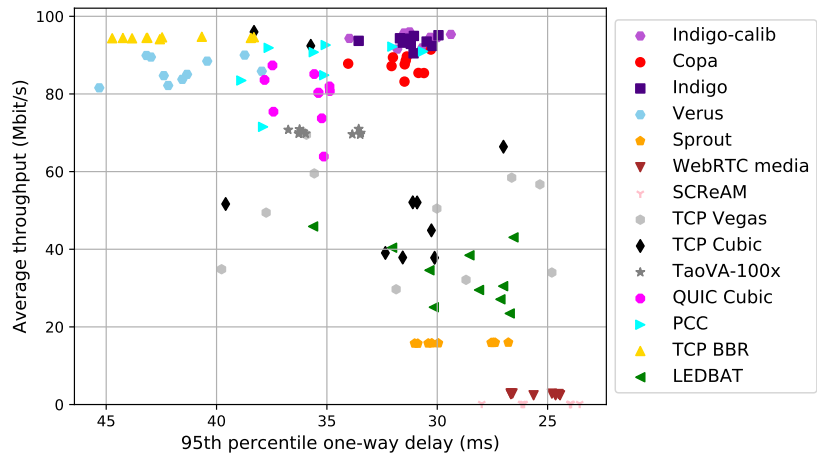
Git summary:

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

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



test from Mexico Ethernet to AWS California 2 Ethernet, 10 runs of 30s each per scheme



| scheme | # runs | mean avg tput (Mbit/s) flow 1 | mean 95th-%ile delay (ms) flow 1 | mean loss rate (%) flow 1 |
|--------------|--------|----------------------------------|-------------------------------------|------------------------------|
| TCP BBR | 10 | 94.45 | 42.16 | 0.34 |
| TCP Cubic | 10 | 57.02 | 32.69 | 0.24 |
| LEDBAT | 10 | 33.80 | 29.22 | 0.28 |
| PCC | 8 | 87.28 | 35.36 | 0.34 |
| QUIC Cubic | 10 | 79.25 | 35.92 | 0.28 |
| SCReAM | 10 | 0.22 | 25.19 | 0.16 |
| WebRTC media | 10 | 2.65 | 25.52 | 0.22 |
| Sprout | 10 | 15.86 | 28.92 | 0.21 |
| TaoVA-100x | 10 | 70.17 | 35.19 | 0.30 |
| TCP Vegas | 10 | 47.47 | 31.64 | 0.26 |
| Verus | 10 | 86.10 | 41.60 | 0.33 |
| Copa | 10 | 87.57 | 31.56 | 0.29 |
| Indigo | 10 | 93.48 | 31.23 | 0.29 |
| Indigo-calib | 10 | 94.43 | 31.15 | 0.28 |

Run 1: Statistics of TCP BBR

Start at: 2017-12-05 09:59:55

End at: 2017-12-05 10:00:25

Local clock offset: 1.11 ms

Remote clock offset: 0.535 ms

Below is generated by plot.py at 2017-12-05 16:09:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.11 Mbit/s

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

Loss rate: 0.43%

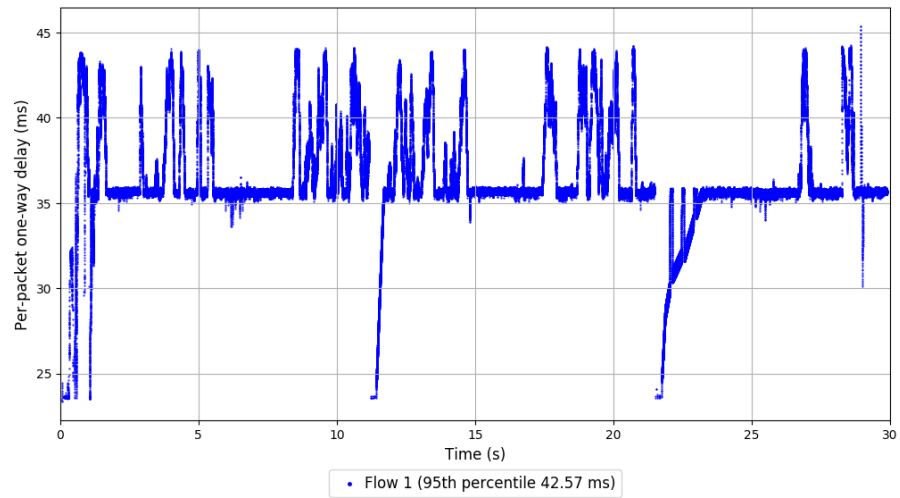
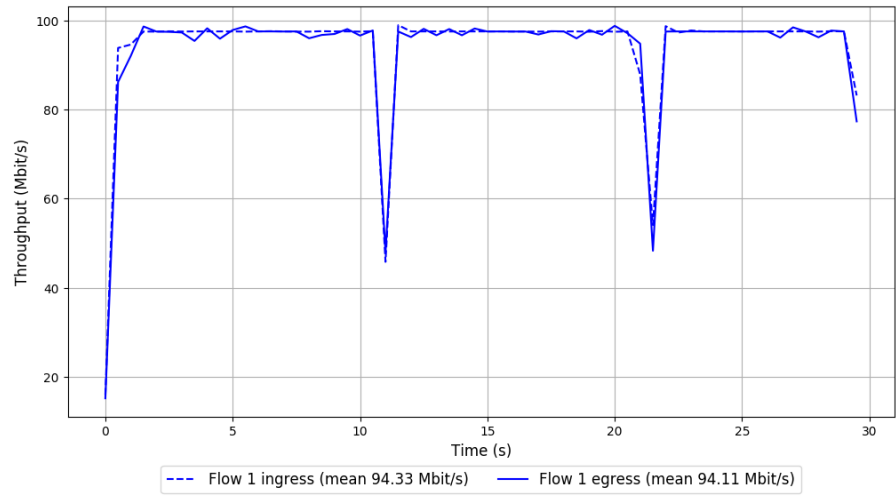
-- Flow 1:

Average throughput: 94.11 Mbit/s

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

Loss rate: 0.43%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2017-12-05 10:18:35

End at: 2017-12-05 10:19:05

Local clock offset: 1.201 ms

Remote clock offset: 0.868 ms

Below is generated by plot.py at 2017-12-05 16:09:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.44 Mbit/s

95th percentile per-packet one-way delay: 43.171 ms

Loss rate: 0.41%

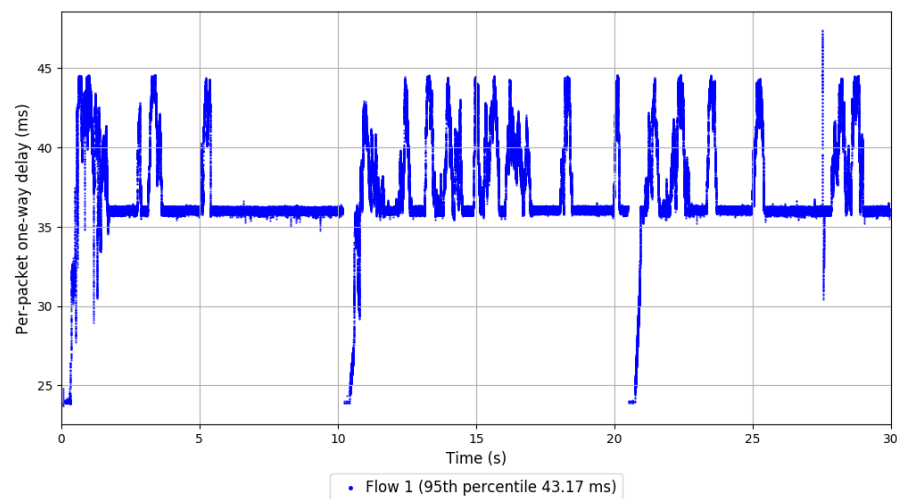
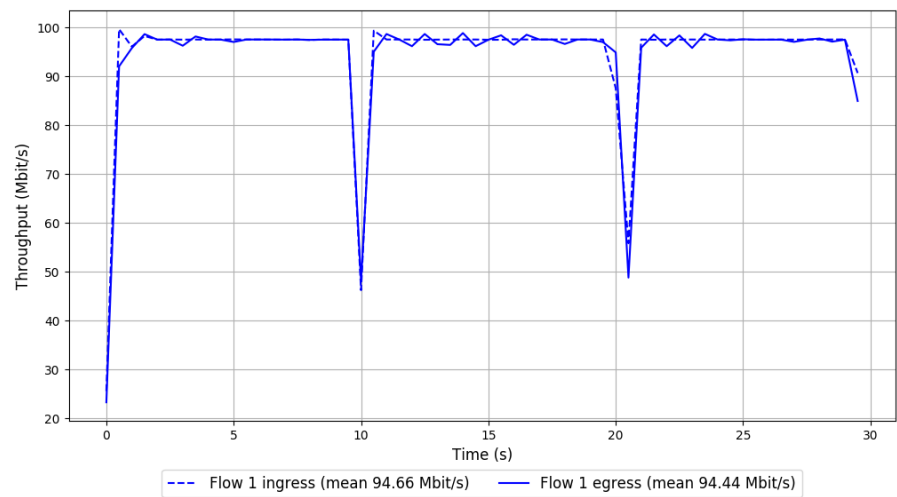
-- Flow 1:

Average throughput: 94.44 Mbit/s

95th percentile per-packet one-way delay: 43.171 ms

Loss rate: 0.41%

Run 2: Report of TCP BBR — Data Link

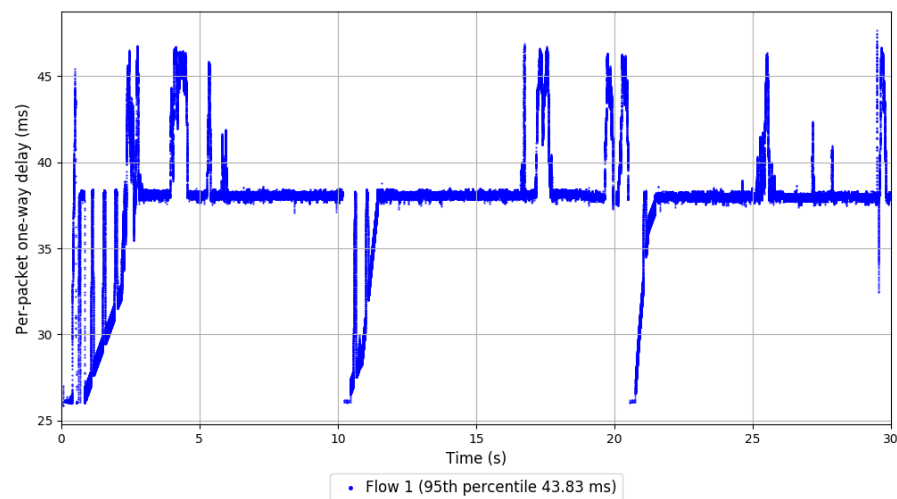
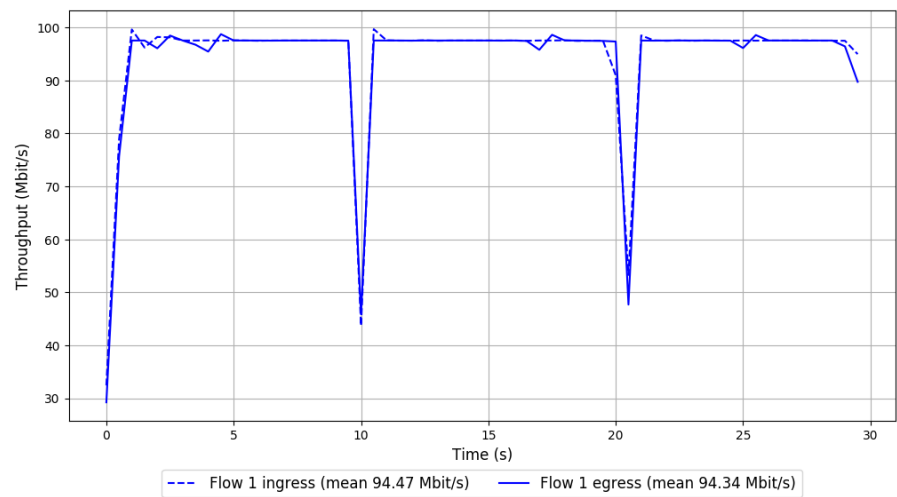


Run 3: Statistics of TCP BBR

Start at: 2017-12-05 10:37:11
End at: 2017-12-05 10:37:41
Local clock offset: 1.08 ms
Remote clock offset: -0.794 ms

Below is generated by plot.py at 2017-12-05 16:09:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 43.828 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 43.828 ms
Loss rate: 0.32%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-12-05 10:55:44

End at: 2017-12-05 10:56:14

Local clock offset: 1.082 ms

Remote clock offset: -0.342 ms

Below is generated by plot.py at 2017-12-05 16:09:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.46 Mbit/s

95th percentile per-packet one-way delay: 43.134 ms

Loss rate: 0.36%

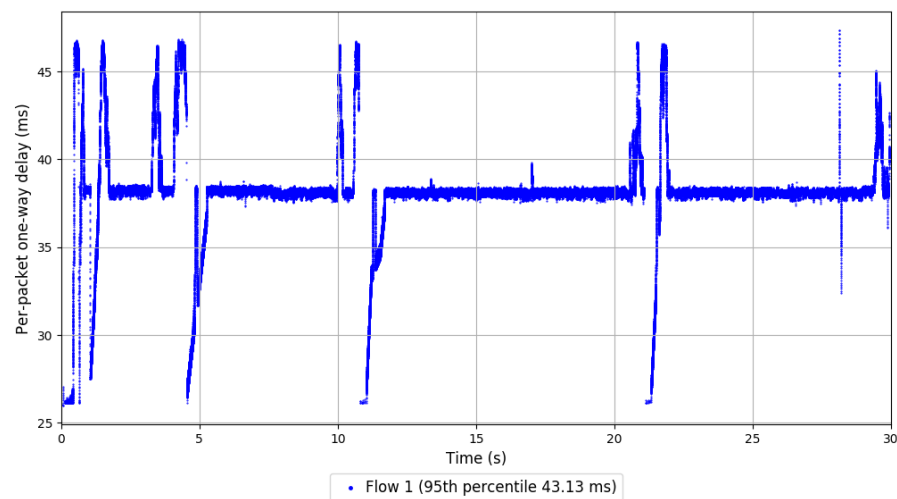
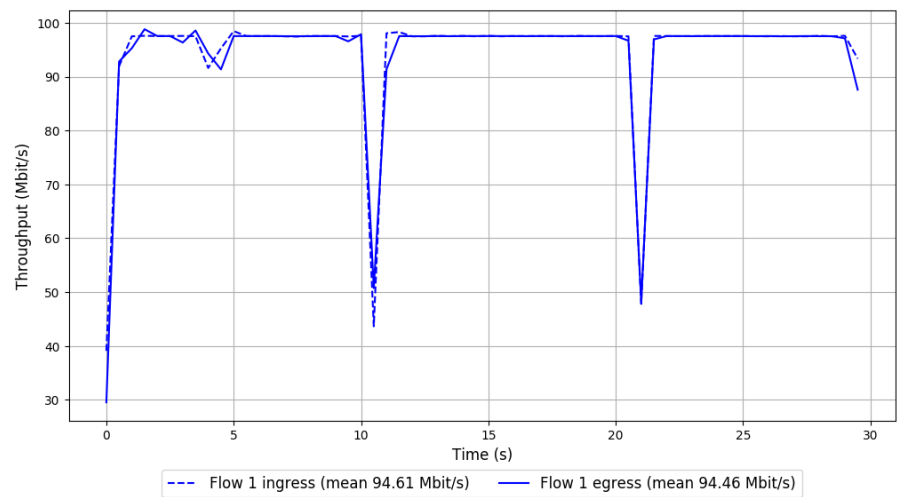
-- Flow 1:

Average throughput: 94.46 Mbit/s

95th percentile per-packet one-way delay: 43.134 ms

Loss rate: 0.36%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2017-12-05 11:14:24

End at: 2017-12-05 11:14:54

Local clock offset: 0.998 ms

Remote clock offset: 0.116 ms

Below is generated by plot.py at 2017-12-05 16:09:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.59 Mbit/s

95th percentile per-packet one-way delay: 42.468 ms

Loss rate: 0.29%

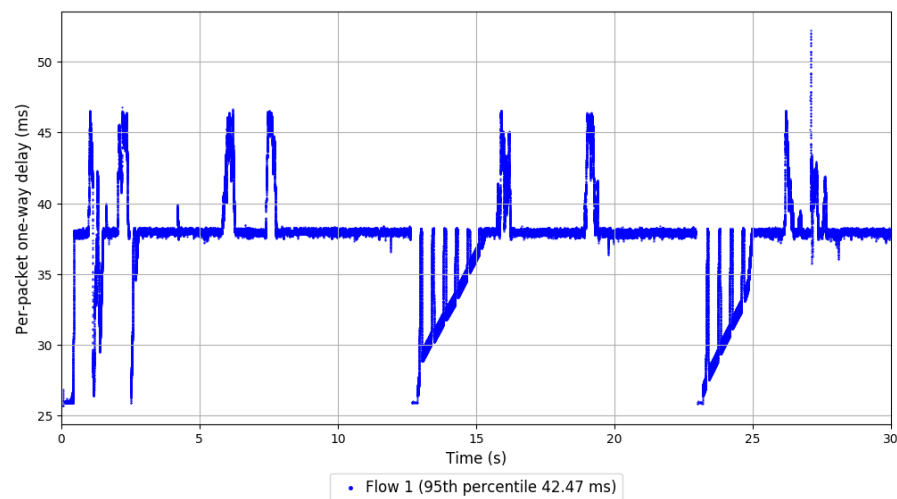
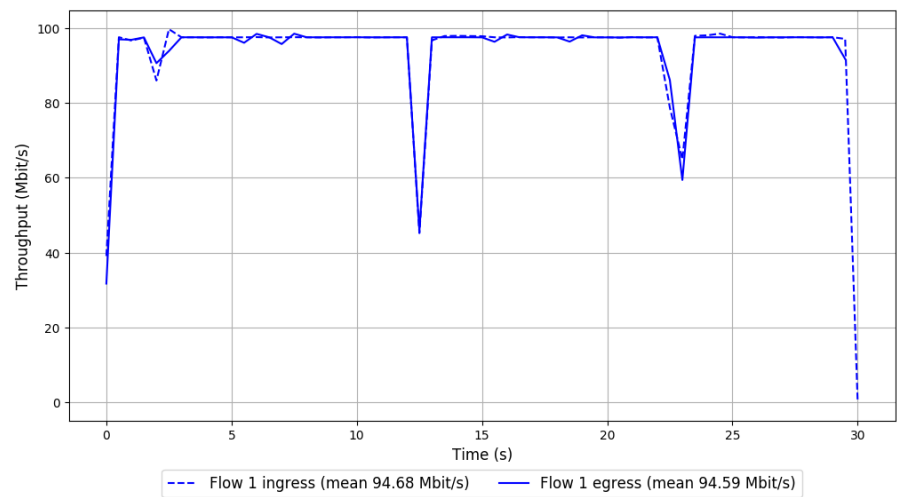
-- Flow 1:

Average throughput: 94.59 Mbit/s

95th percentile per-packet one-way delay: 42.468 ms

Loss rate: 0.29%

Run 5: Report of TCP BBR — Data Link

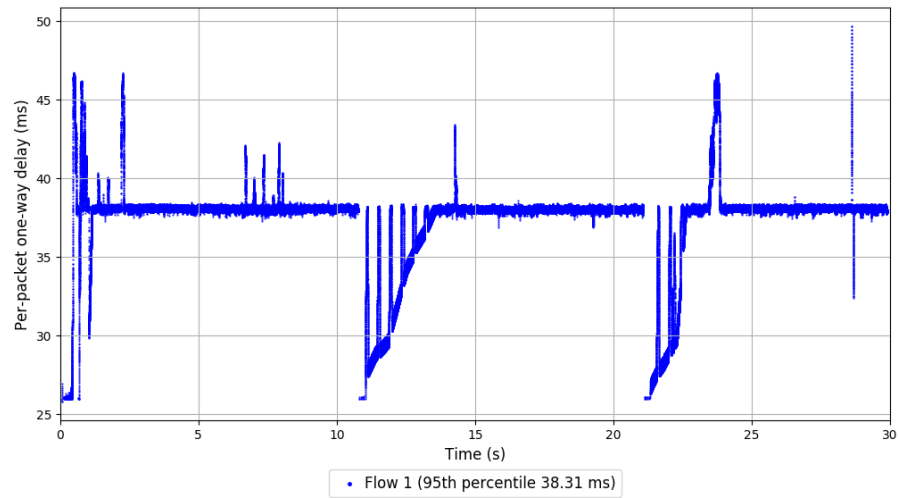
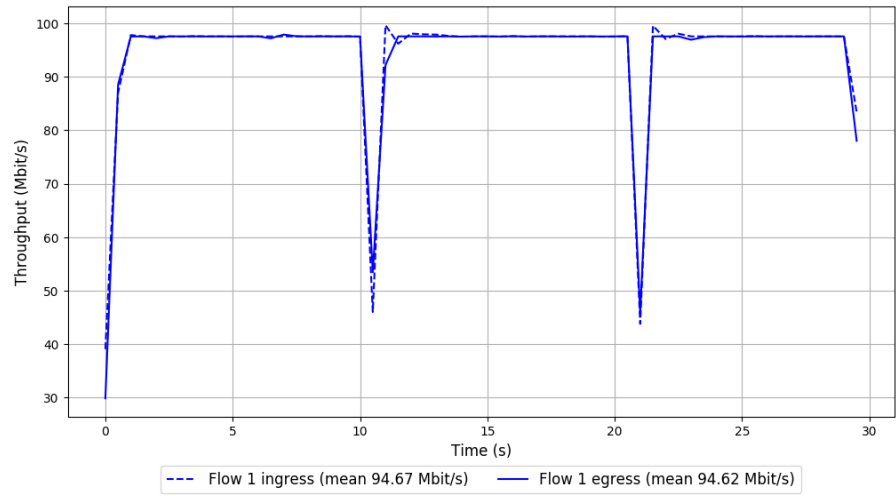


Run 6: Statistics of TCP BBR

Start at: 2017-12-05 11:33:10
End at: 2017-12-05 11:33:40
Local clock offset: 0.736 ms
Remote clock offset: -0.502 ms

Below is generated by plot.py at 2017-12-05 16:09:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.62 Mbit/s
95th percentile per-packet one-way delay: 38.309 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 94.62 Mbit/s
95th percentile per-packet one-way delay: 38.309 ms
Loss rate: 0.25%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2017-12-05 11:51:47

End at: 2017-12-05 11:52:17

Local clock offset: 0.616 ms

Remote clock offset: 1.492 ms

Below is generated by plot.py at 2017-12-05 16:09:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.73 Mbit/s

95th percentile per-packet one-way delay: 40.668 ms

Loss rate: 0.27%

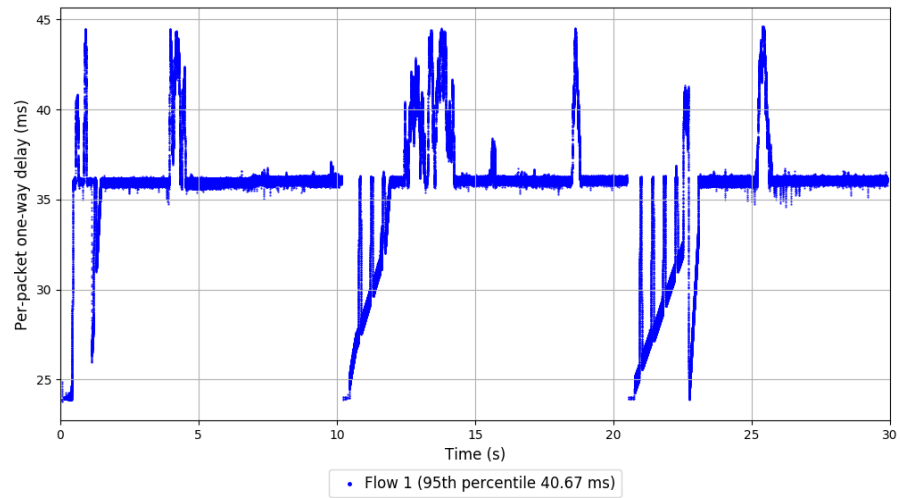
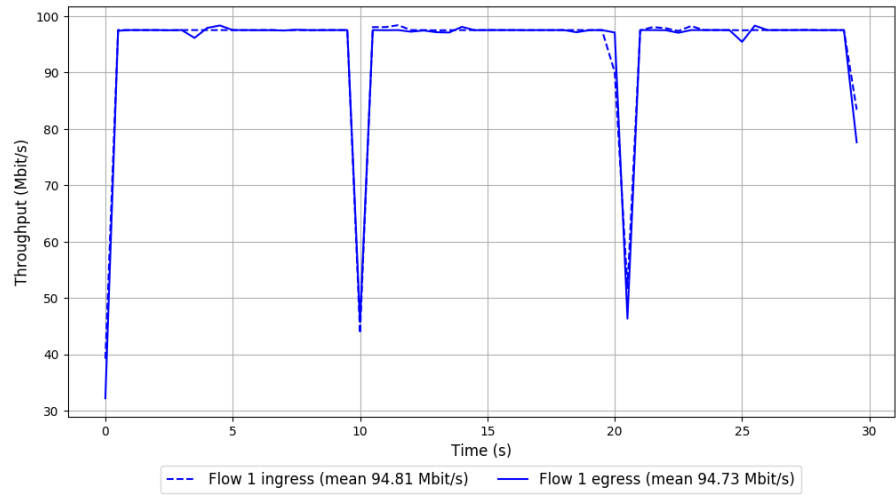
-- Flow 1:

Average throughput: 94.73 Mbit/s

95th percentile per-packet one-way delay: 40.668 ms

Loss rate: 0.27%

Run 7: Report of TCP BBR — Data Link

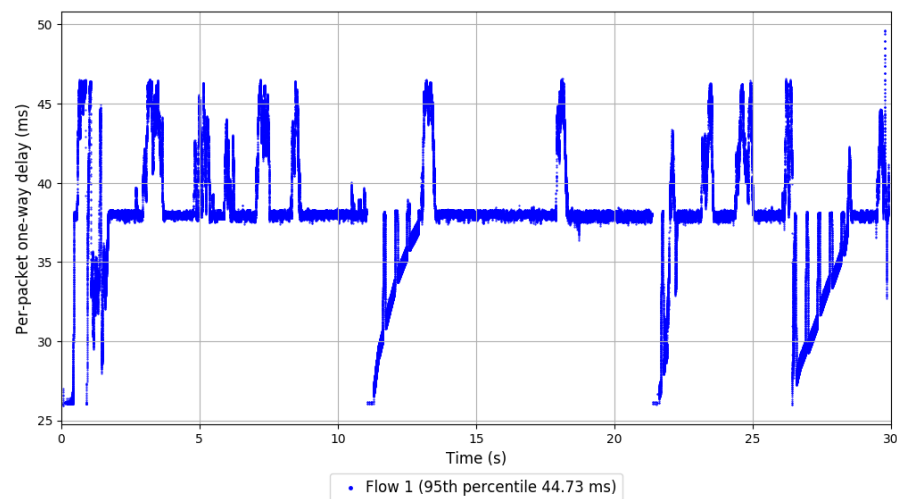
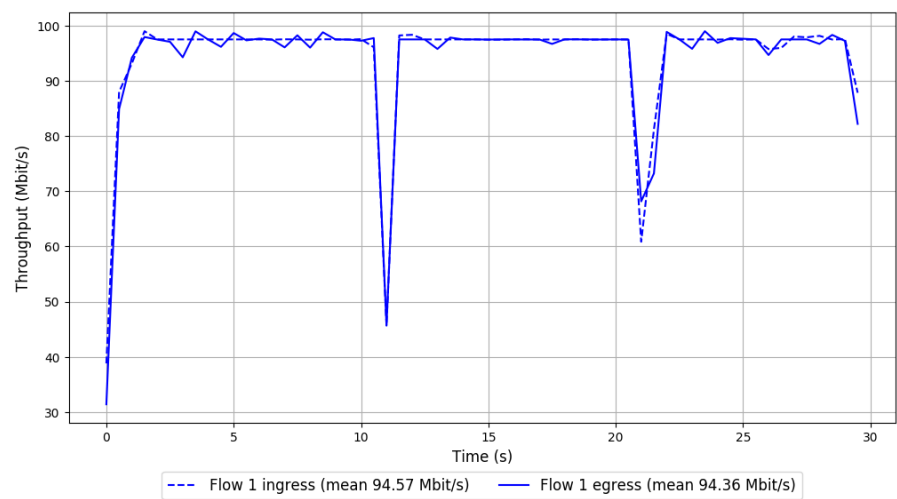


Run 8: Statistics of TCP BBR

Start at: 2017-12-05 12:10:40
End at: 2017-12-05 12:11:10
Local clock offset: 0.46 ms
Remote clock offset: -1.863 ms

Below is generated by plot.py at 2017-12-05 16:09:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.36 Mbit/s
95th percentile per-packet one-way delay: 44.728 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 94.36 Mbit/s
95th percentile per-packet one-way delay: 44.728 ms
Loss rate: 0.42%

Run 8: Report of TCP BBR — Data Link

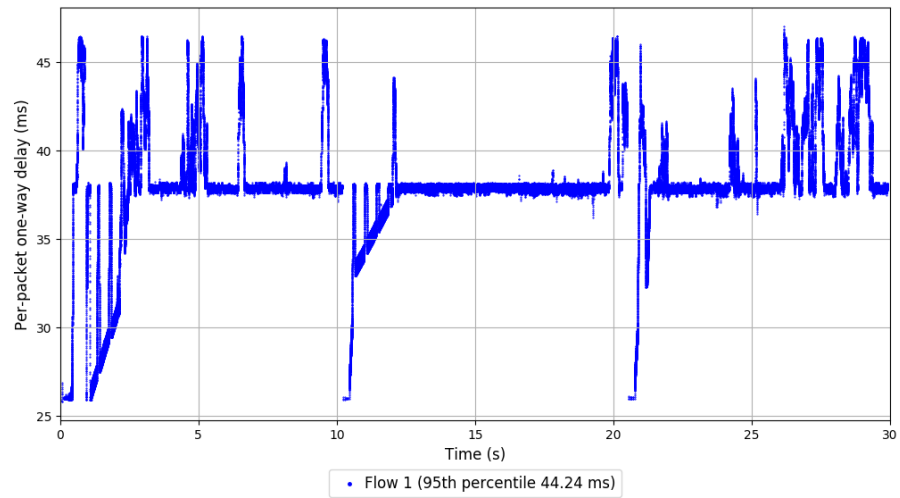
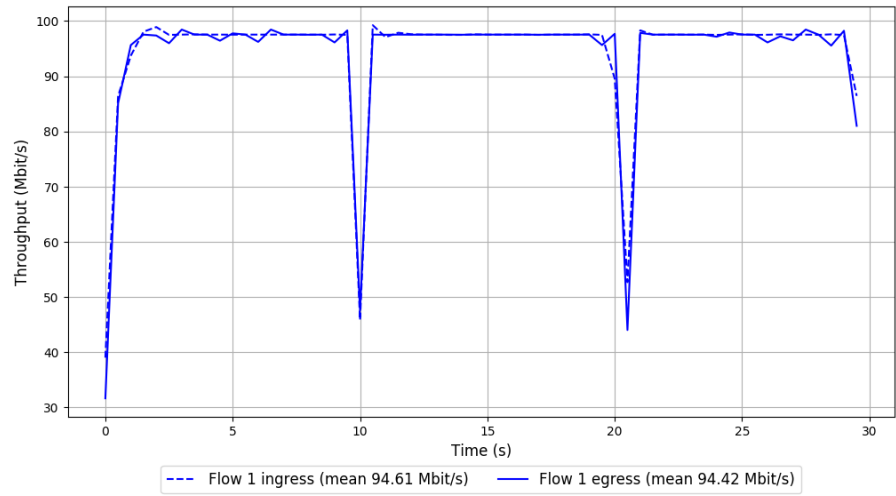


Run 9: Statistics of TCP BBR

Start at: 2017-12-05 12:29:21
End at: 2017-12-05 12:29:52
Local clock offset: 0.314 ms
Remote clock offset: -2.855 ms

Below is generated by plot.py at 2017-12-05 16:11:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 44.243 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 44.243 ms
Loss rate: 0.40%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: 2017-12-05 12:47:54

End at: 2017-12-05 12:48:24

Local clock offset: 0.371 ms

Remote clock offset: -3.177 ms

Below is generated by plot.py at 2017-12-05 16:11:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.43 Mbit/s

95th percentile per-packet one-way delay: 38.446 ms

Loss rate: 0.27%

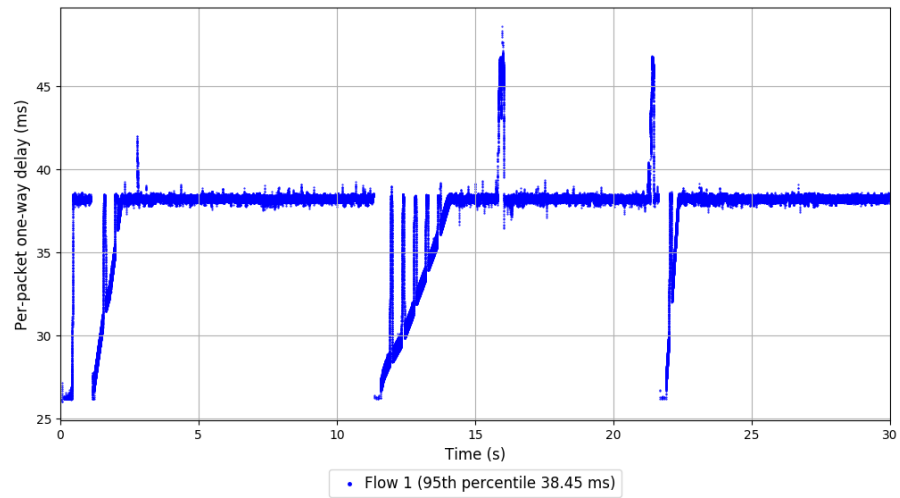
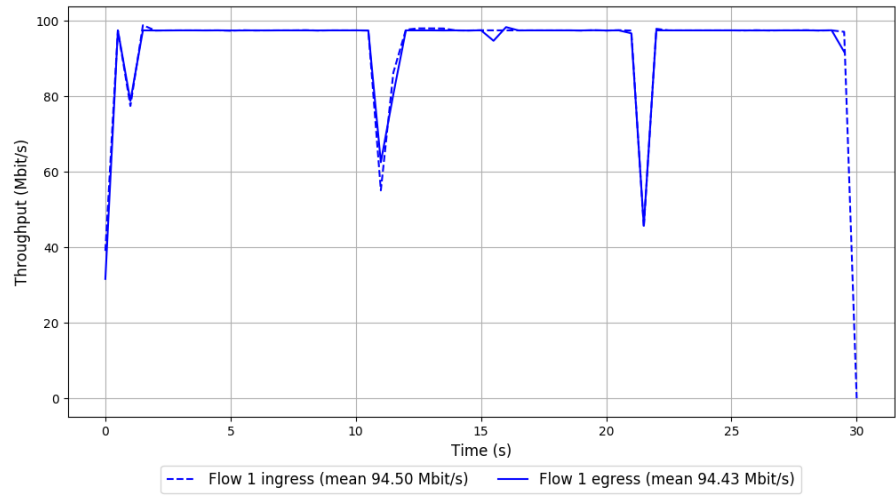
-- Flow 1:

Average throughput: 94.43 Mbit/s

95th percentile per-packet one-way delay: 38.446 ms

Loss rate: 0.27%

Run 10: Report of TCP BBR — Data Link

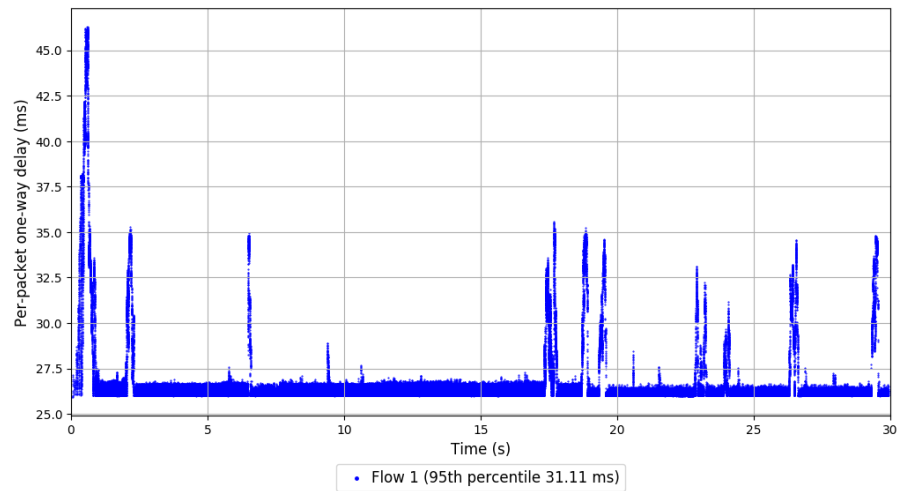
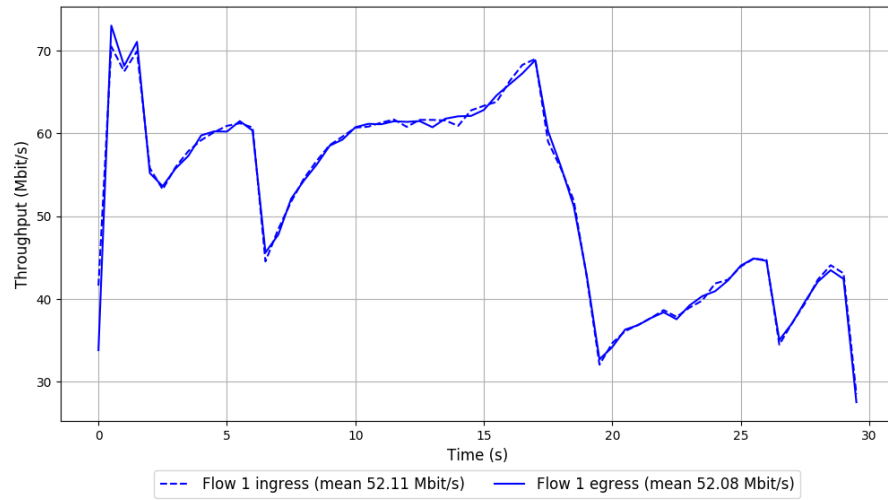


Run 1: Statistics of TCP Cubic

Start at: 2017-12-05 09:49:21
End at: 2017-12-05 09:49:51
Local clock offset: 1.055 ms
Remote clock offset: -2.165 ms

Below is generated by plot.py at 2017-12-05 16:11:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 52.08 Mbit/s
95th percentile per-packet one-way delay: 31.109 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 52.08 Mbit/s
95th percentile per-packet one-way delay: 31.109 ms
Loss rate: 0.23%

Run 1: Report of TCP Cubic — Data Link

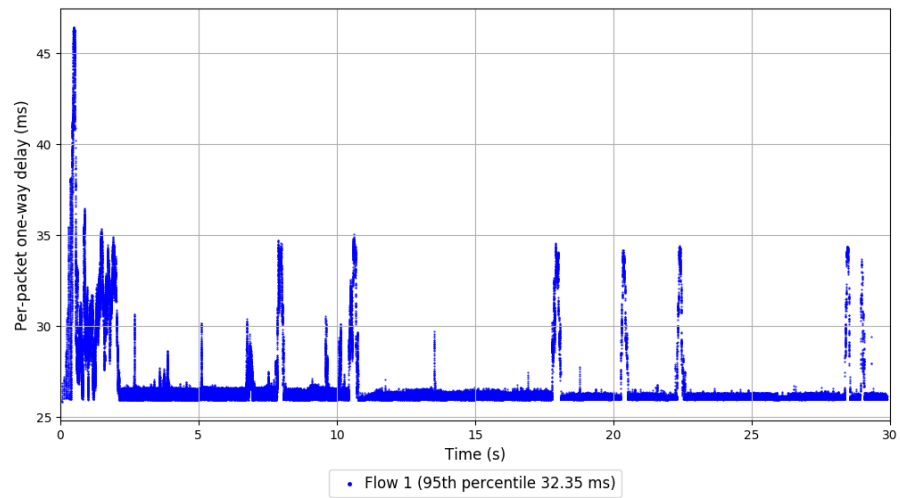
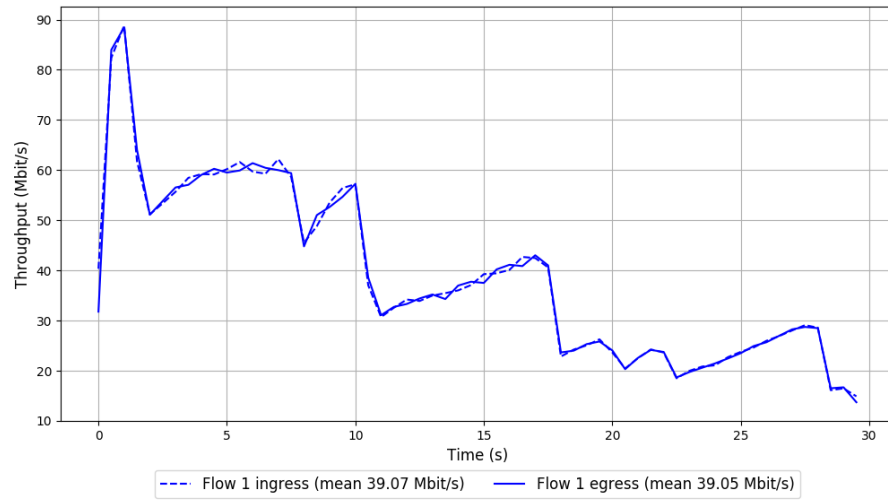


Run 2: Statistics of TCP Cubic

Start at: 2017-12-05 10:08:02
End at: 2017-12-05 10:08:32
Local clock offset: 1.136 ms
Remote clock offset: -1.624 ms

Below is generated by plot.py at 2017-12-05 16:11:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 39.05 Mbit/s
95th percentile per-packet one-way delay: 32.350 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 39.05 Mbit/s
95th percentile per-packet one-way delay: 32.350 ms
Loss rate: 0.22%

Run 2: Report of TCP Cubic — Data Link

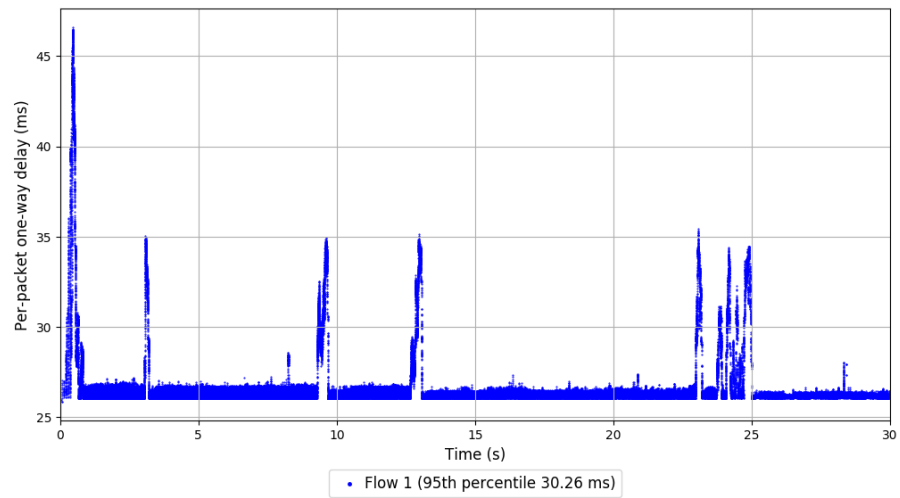
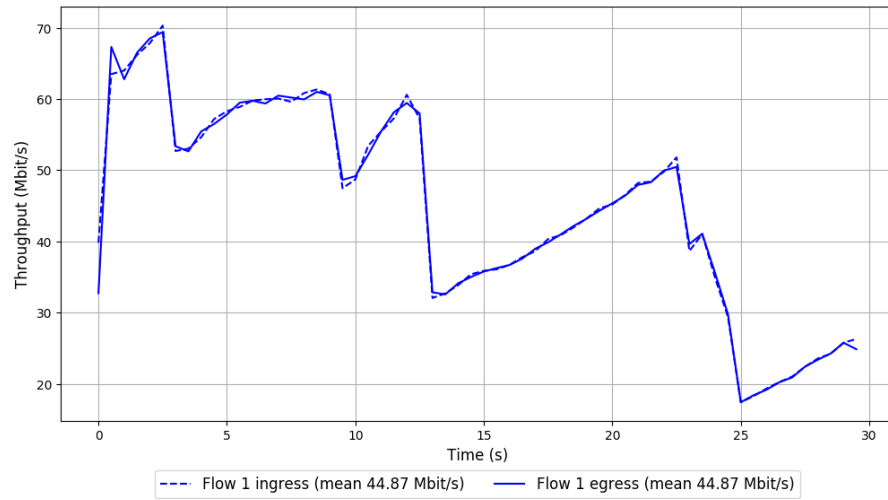


Run 3: Statistics of TCP Cubic

Start at: 2017-12-05 10:26:36
End at: 2017-12-05 10:27:06
Local clock offset: 1.087 ms
Remote clock offset: -1.098 ms

Below is generated by plot.py at 2017-12-05 16:11:11
Datalink statistics
-- Total of 1 flow:
Average throughput: 44.87 Mbit/s
95th percentile per-packet one-way delay: 30.264 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 44.87 Mbit/s
95th percentile per-packet one-way delay: 30.264 ms
Loss rate: 0.18%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2017-12-05 10:45:13

End at: 2017-12-05 10:45:43

Local clock offset: 1.043 ms

Remote clock offset: 2.037 ms

Below is generated by plot.py at 2017-12-05 16:11:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.41 Mbit/s

95th percentile per-packet one-way delay: 27.000 ms

Loss rate: 0.25%

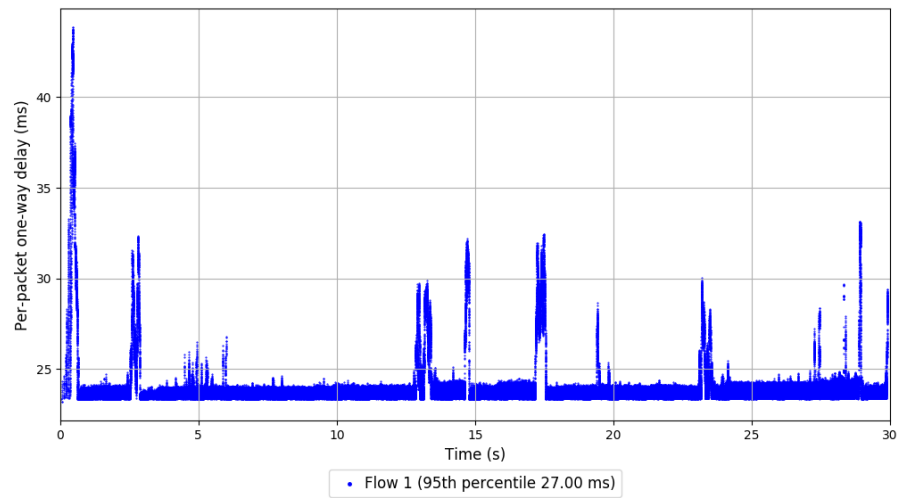
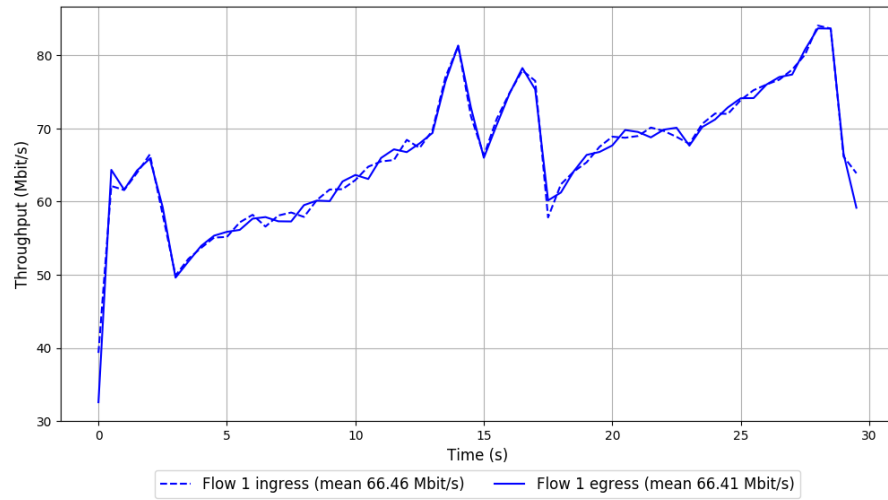
-- Flow 1:

Average throughput: 66.41 Mbit/s

95th percentile per-packet one-way delay: 27.000 ms

Loss rate: 0.25%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2017-12-05 11:03:53

End at: 2017-12-05 11:04:23

Local clock offset: 1.007 ms

Remote clock offset: 0.071 ms

Below is generated by plot.py at 2017-12-05 16:11:11

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.06 Mbit/s

95th percentile per-packet one-way delay: 30.911 ms

Loss rate: 0.25%

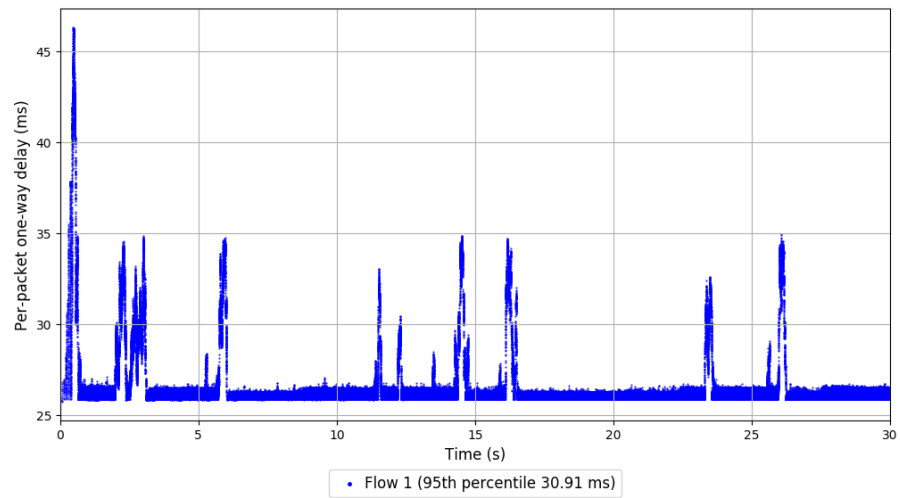
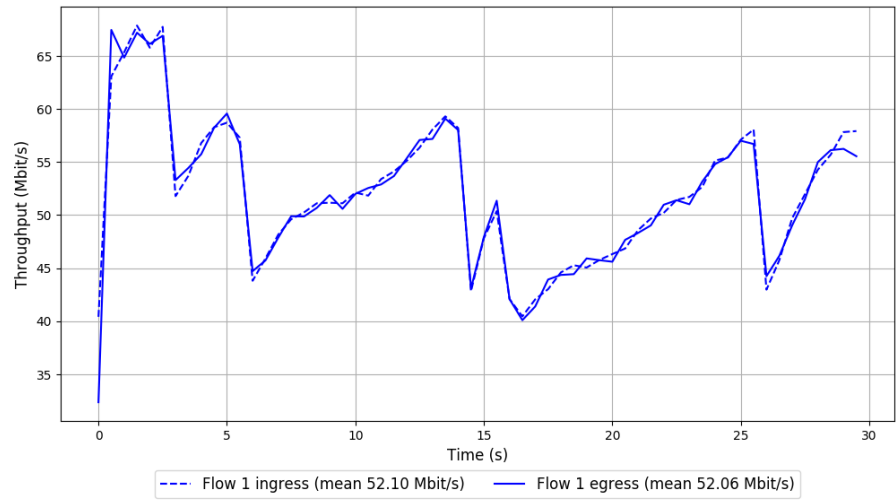
-- Flow 1:

Average throughput: 52.06 Mbit/s

95th percentile per-packet one-way delay: 30.911 ms

Loss rate: 0.25%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: 2017-12-05 11:22:36

End at: 2017-12-05 11:23:06

Local clock offset: 0.947 ms

Remote clock offset: 1.872 ms

Below is generated by plot.py at 2017-12-05 16:11:13

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.98 Mbit/s

95th percentile per-packet one-way delay: 38.302 ms

Loss rate: 0.23%

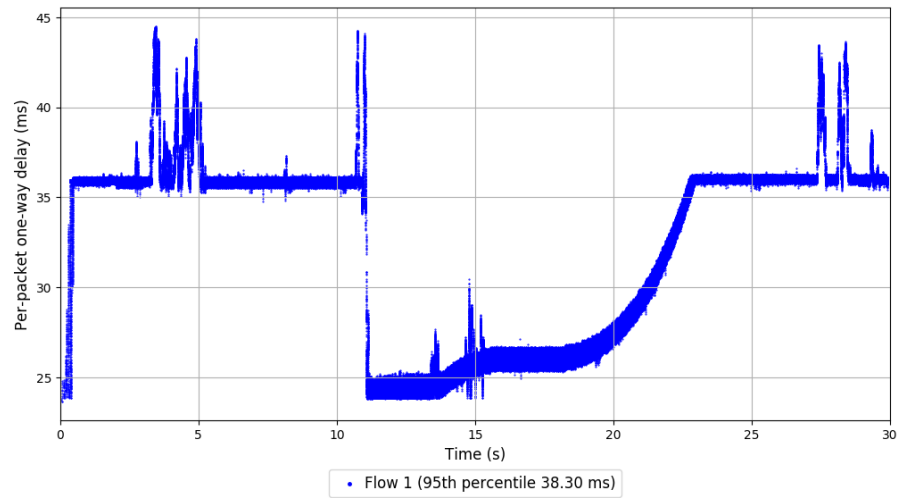
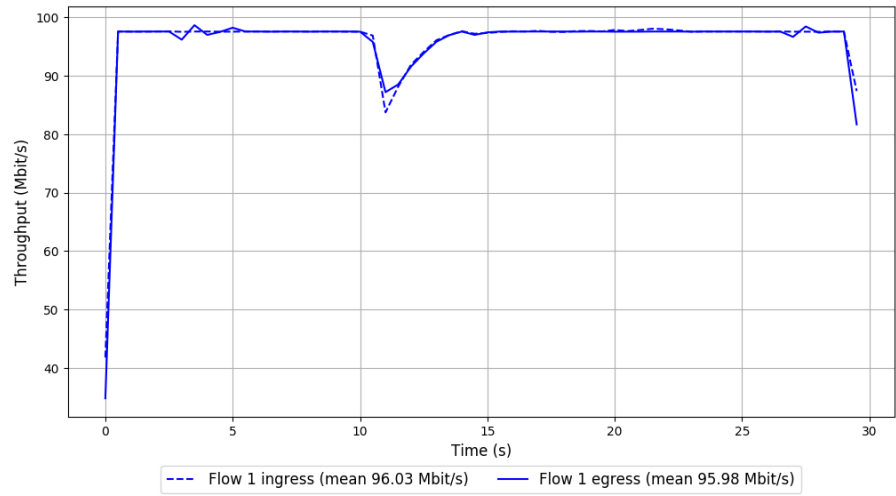
-- Flow 1:

Average throughput: 95.98 Mbit/s

95th percentile per-packet one-way delay: 38.302 ms

Loss rate: 0.23%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2017-12-05 11:41:15

End at: 2017-12-05 11:41:46

Local clock offset: 0.633 ms

Remote clock offset: 2.049 ms

Below is generated by plot.py at 2017-12-05 16:11:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.40 Mbit/s

95th percentile per-packet one-way delay: 35.730 ms

Loss rate: 0.25%

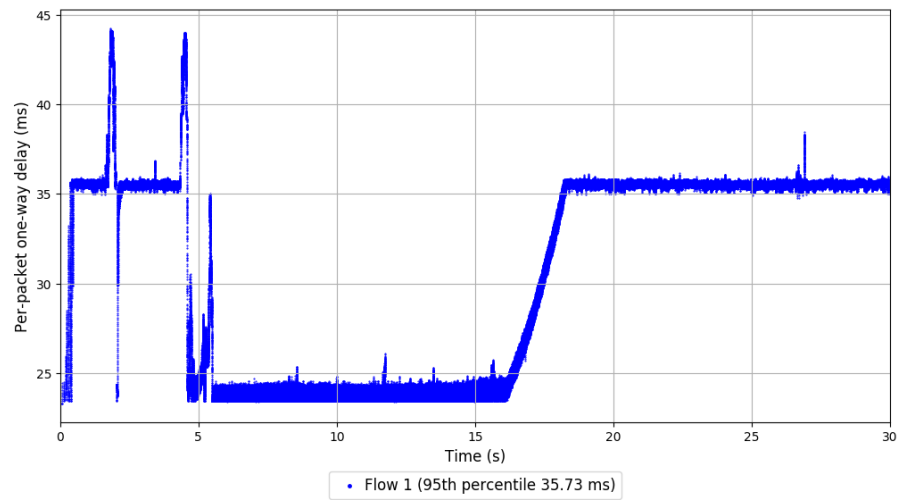
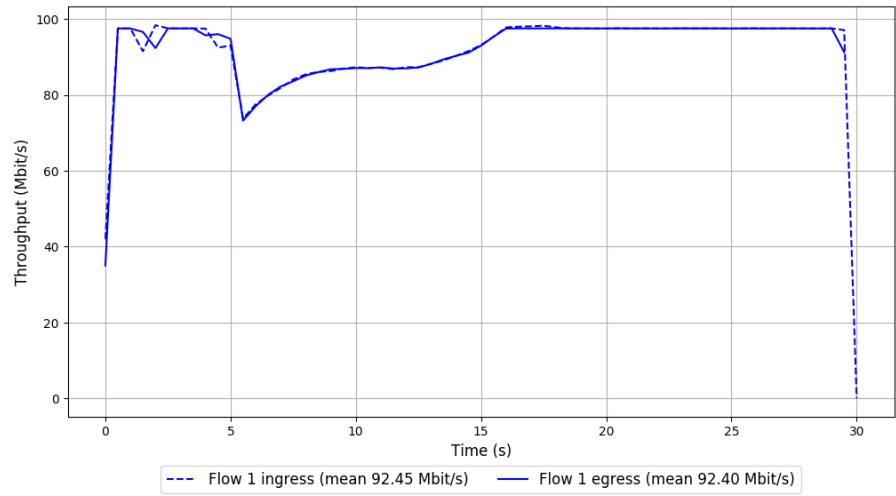
-- Flow 1:

Average throughput: 92.40 Mbit/s

95th percentile per-packet one-way delay: 35.730 ms

Loss rate: 0.25%

Run 7: Report of TCP Cubic — Data Link

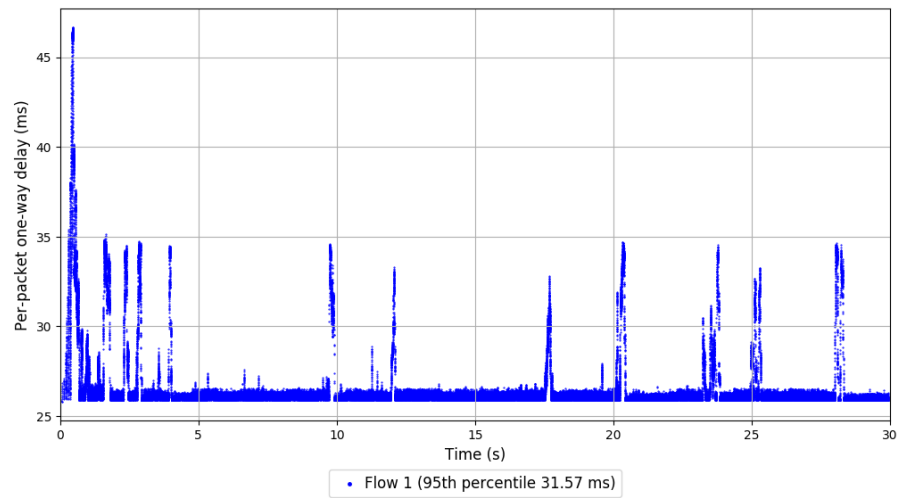
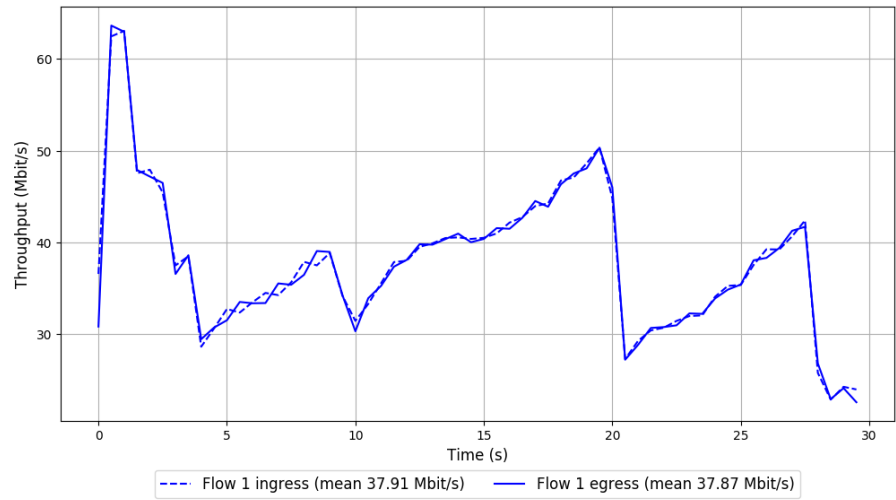


Run 8: Statistics of TCP Cubic

Start at: 2017-12-05 12:00:08
End at: 2017-12-05 12:00:38
Local clock offset: 0.498 ms
Remote clock offset: -0.764 ms

Below is generated by plot.py at 2017-12-05 16:11:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.87 Mbit/s
95th percentile per-packet one-way delay: 31.565 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 37.87 Mbit/s
95th percentile per-packet one-way delay: 31.565 ms
Loss rate: 0.26%

Run 8: Report of TCP Cubic — Data Link

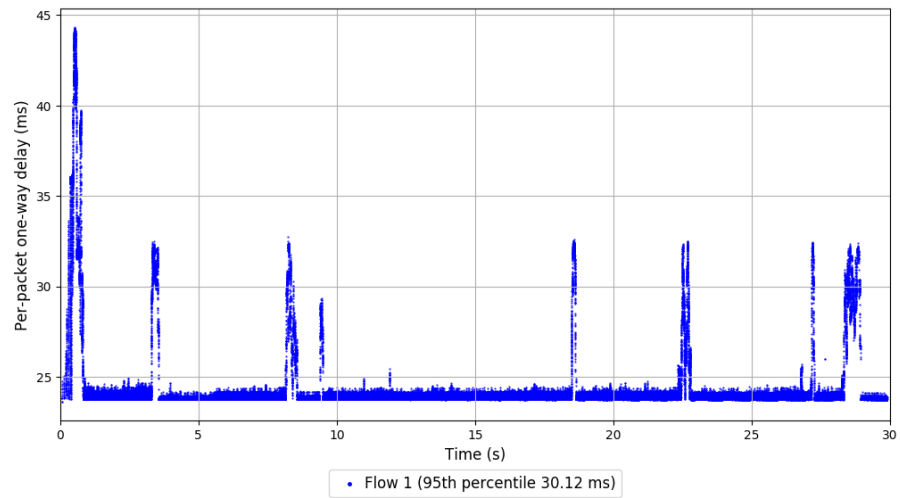
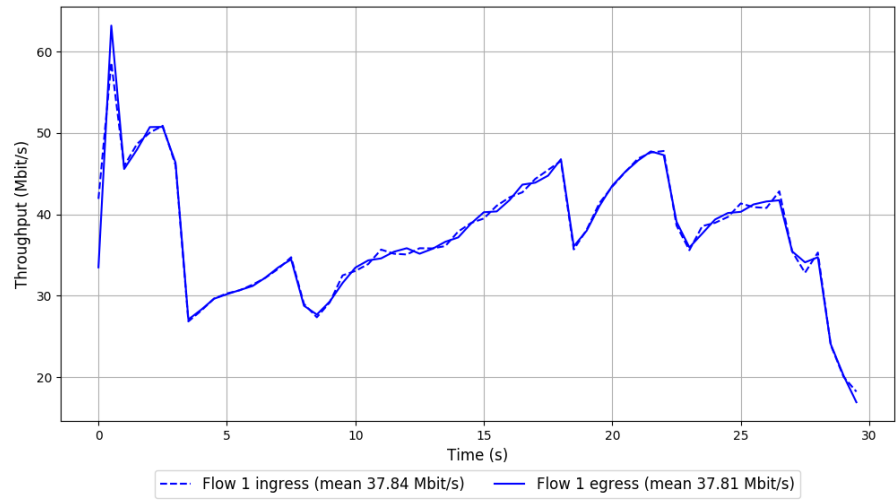


Run 9: Statistics of TCP Cubic

Start at: 2017-12-05 12:18:54
End at: 2017-12-05 12:19:24
Local clock offset: 0.306 ms
Remote clock offset: -0.299 ms

Below is generated by plot.py at 2017-12-05 16:11:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 37.81 Mbit/s
95th percentile per-packet one-way delay: 30.120 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 37.81 Mbit/s
95th percentile per-packet one-way delay: 30.120 ms
Loss rate: 0.28%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: 2017-12-05 12:37:24

End at: 2017-12-05 12:37:54

Local clock offset: 0.31 ms

Remote clock offset: -0.563 ms

Below is generated by plot.py at 2017-12-05 16:11:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.66 Mbit/s

95th percentile per-packet one-way delay: 39.587 ms

Loss rate: 0.25%

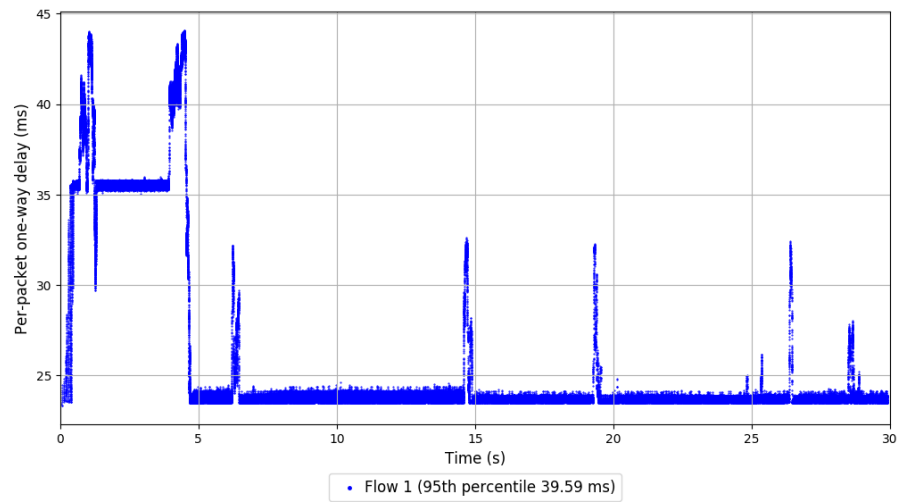
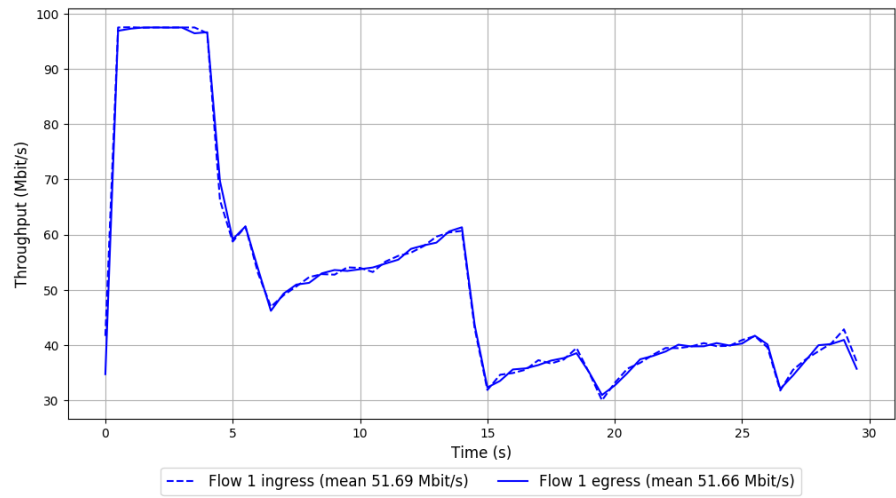
-- Flow 1:

Average throughput: 51.66 Mbit/s

95th percentile per-packet one-way delay: 39.587 ms

Loss rate: 0.25%

Run 10: Report of TCP Cubic — Data Link

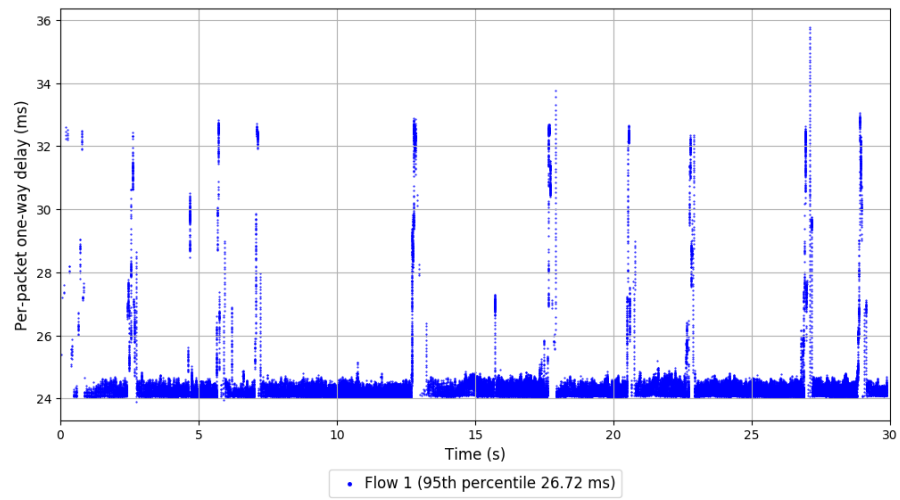
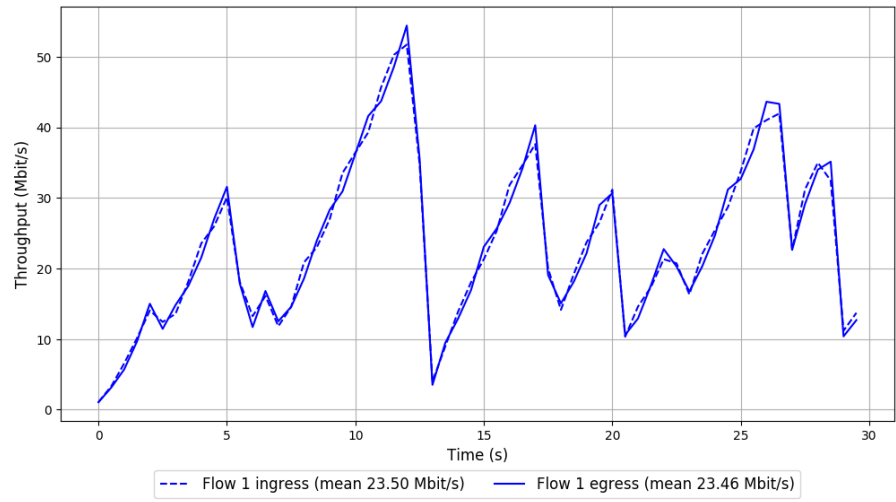


```
Run 1: Statistics of LEDBAT

Start at: 2017-12-05 10:05:21
End at: 2017-12-05 10:05:51
Local clock offset: 1.127 ms
Remote clock offset: 0.272 ms

# Below is generated by plot.py at 2017-12-05 16:11:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.46 Mbit/s
95th percentile per-packet one-way delay: 26.717 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 23.46 Mbit/s
95th percentile per-packet one-way delay: 26.717 ms
Loss rate: 0.32%
```


Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2017-12-05 10:23:57

End at: 2017-12-05 10:24:27

Local clock offset: 1.202 ms

Remote clock offset: -1.02 ms

Below is generated by plot.py at 2017-12-05 16:11:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.06 Mbit/s

95th percentile per-packet one-way delay: 30.156 ms

Loss rate: 0.29%

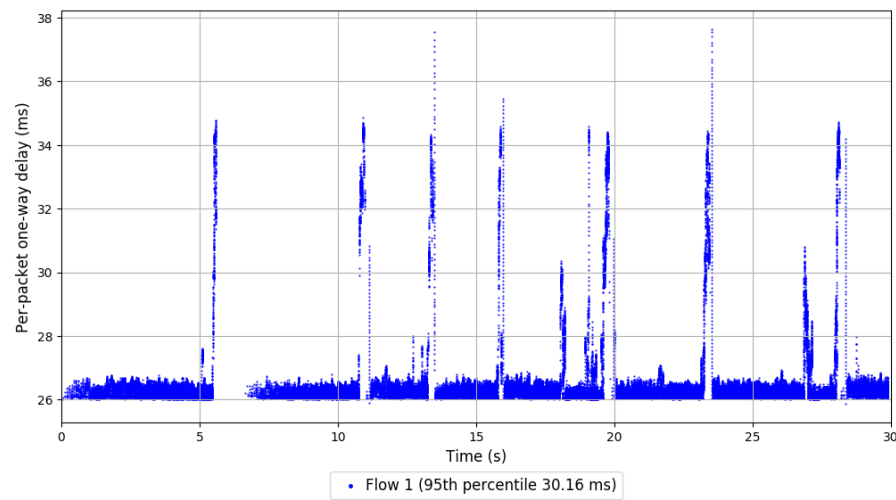
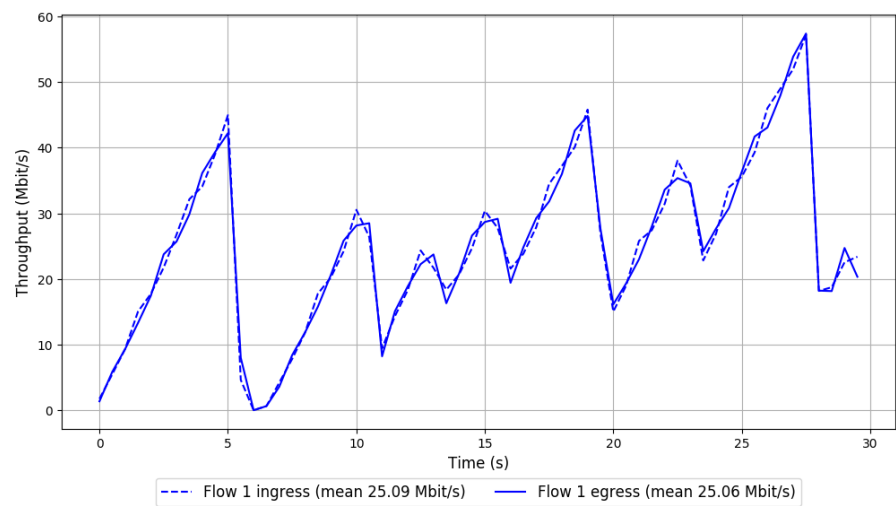
-- Flow 1:

Average throughput: 25.06 Mbit/s

95th percentile per-packet one-way delay: 30.156 ms

Loss rate: 0.29%

Run 2: Report of LEDBAT — Data Link

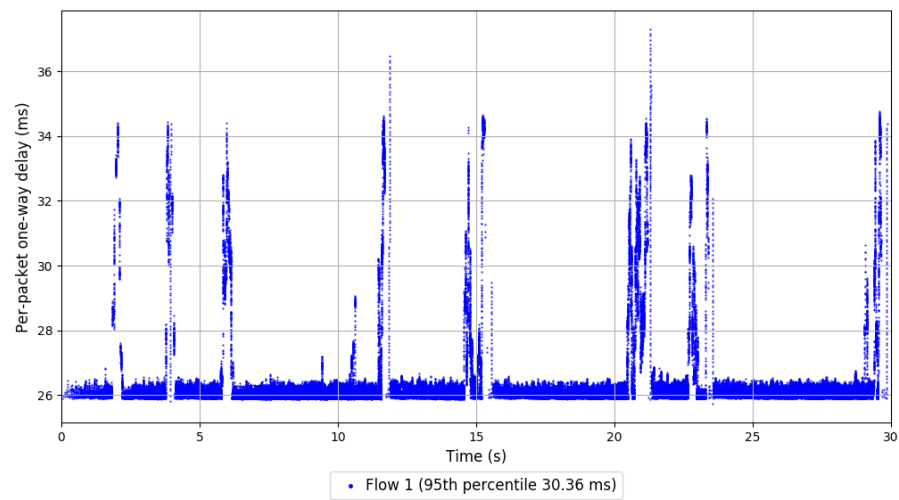
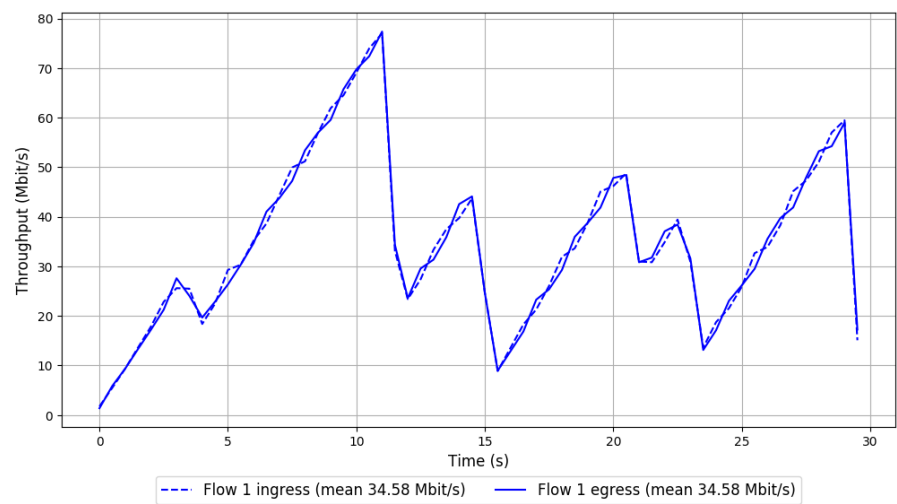


Run 3: Statistics of LEDBAT

Start at: 2017-12-05 10:42:34
End at: 2017-12-05 10:43:04
Local clock offset: 1.056 ms
Remote clock offset: -0.556 ms

Below is generated by plot.py at 2017-12-05 16:11:46
Datalink statistics
-- Total of 1 flow:
Average throughput: 34.58 Mbit/s
95th percentile per-packet one-way delay: 30.355 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 34.58 Mbit/s
95th percentile per-packet one-way delay: 30.355 ms
Loss rate: 0.16%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2017-12-05 11:01:10

End at: 2017-12-05 11:01:40

Local clock offset: 0.989 ms

Remote clock offset: 2.031 ms

Below is generated by plot.py at 2017-12-05 16:11:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.40 Mbit/s

95th percentile per-packet one-way delay: 32.046 ms

Loss rate: 0.13%

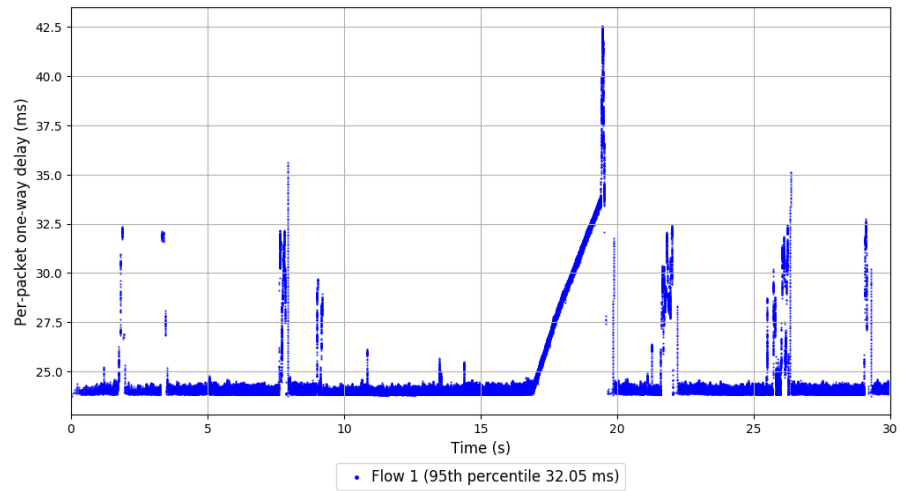
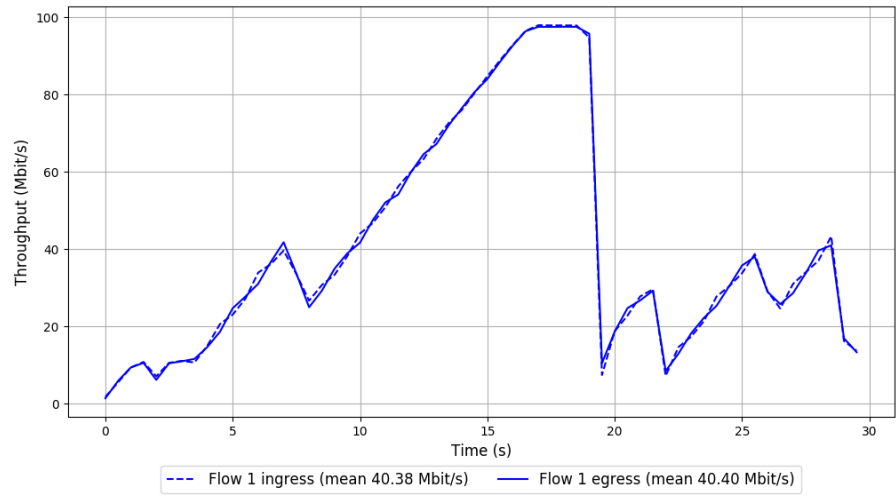
-- Flow 1:

Average throughput: 40.40 Mbit/s

95th percentile per-packet one-way delay: 32.046 ms

Loss rate: 0.13%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2017-12-05 11:19:48

End at: 2017-12-05 11:20:18

Local clock offset: 0.984 ms

Remote clock offset: 1.845 ms

Below is generated by plot.py at 2017-12-05 16:11:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.10 Mbit/s

95th percentile per-packet one-way delay: 27.139 ms

Loss rate: 0.34%

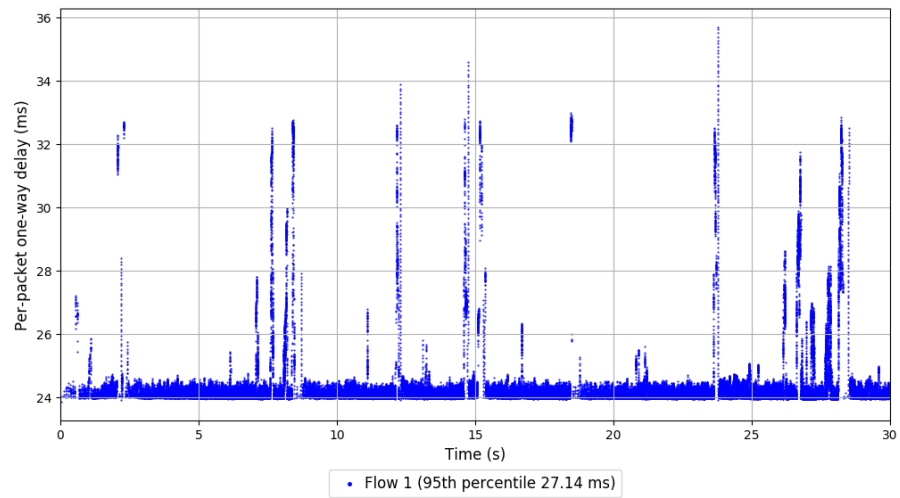
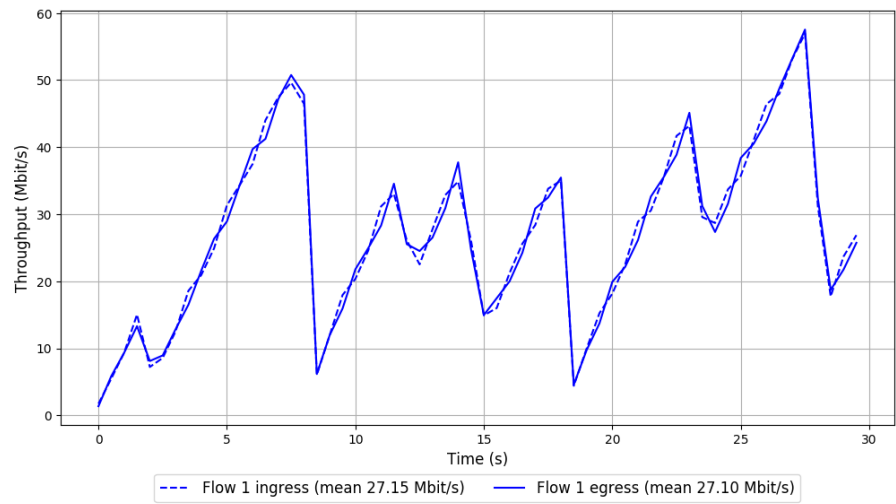
-- Flow 1:

Average throughput: 27.10 Mbit/s

95th percentile per-packet one-way delay: 27.139 ms

Loss rate: 0.34%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2017-12-05 11:38:35

End at: 2017-12-05 11:39:05

Local clock offset: 0.748 ms

Remote clock offset: 1.647 ms

Below is generated by plot.py at 2017-12-05 16:11:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.49 Mbit/s

95th percentile per-packet one-way delay: 27.015 ms

Loss rate: 0.36%

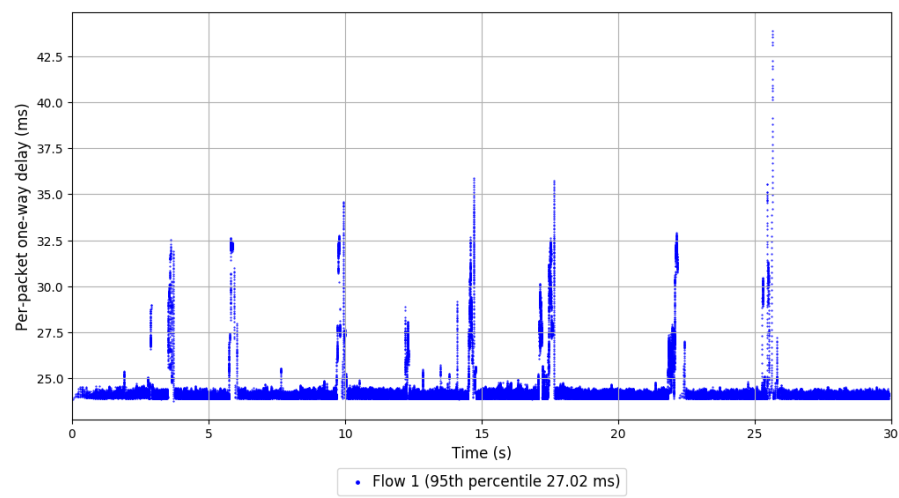
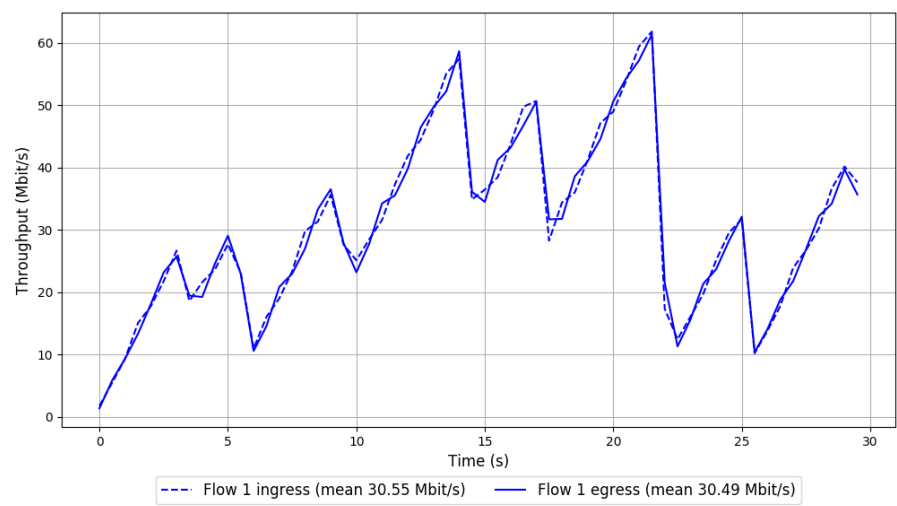
-- Flow 1:

Average throughput: 30.49 Mbit/s

95th percentile per-packet one-way delay: 27.015 ms

Loss rate: 0.36%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2017-12-05 11:57:24

End at: 2017-12-05 11:57:54

Local clock offset: 0.435 ms

Remote clock offset: 1.782 ms

Below is generated by plot.py at 2017-12-05 16:11:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.06 Mbit/s

95th percentile per-packet one-way delay: 26.546 ms

Loss rate: 0.32%

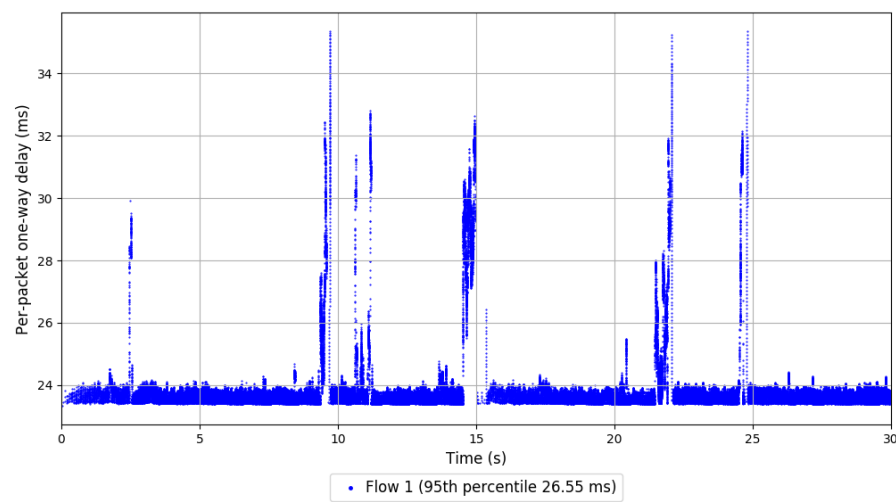
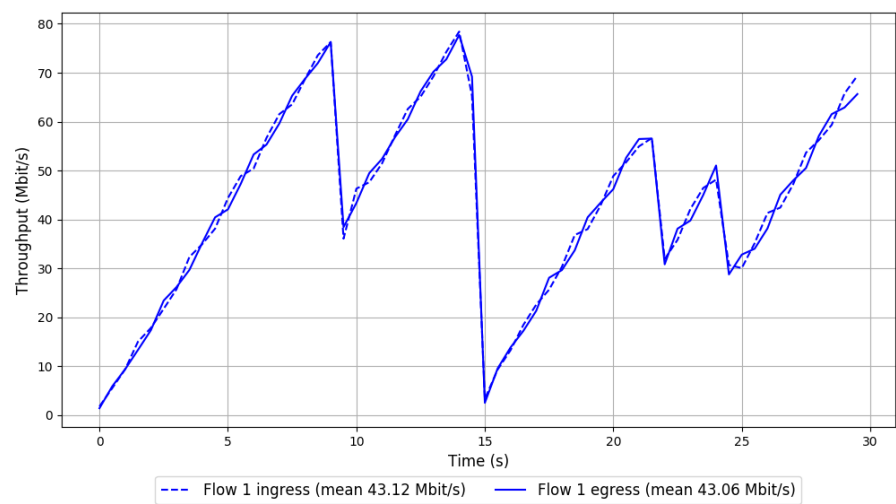
-- Flow 1:

Average throughput: 43.06 Mbit/s

95th percentile per-packet one-way delay: 26.546 ms

Loss rate: 0.32%

Run 7: Report of LEDBAT — Data Link

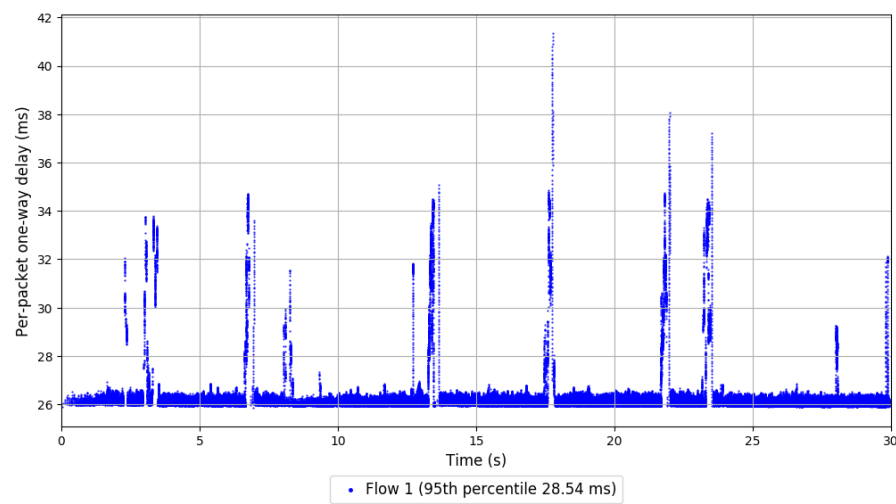
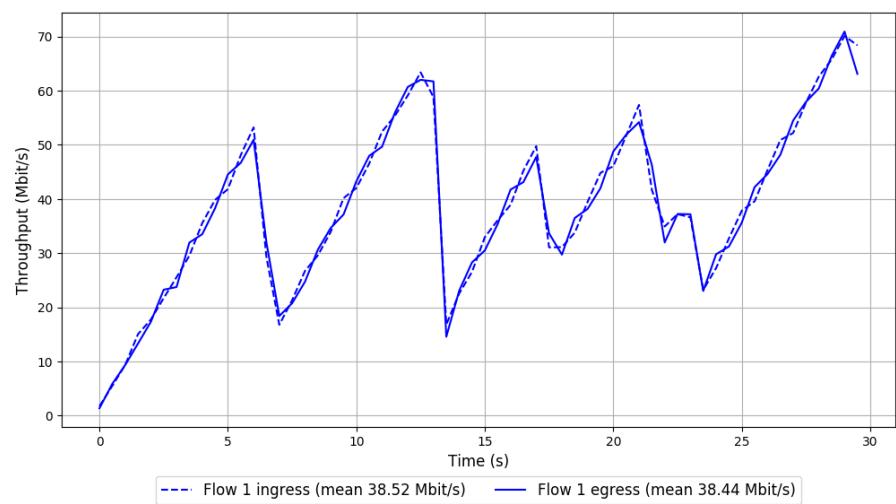


Run 8: Statistics of LEDBAT

Start at: 2017-12-05 12:16:13
End at: 2017-12-05 12:16:43
Local clock offset: 0.426 ms
Remote clock offset: -2.186 ms

Below is generated by plot.py at 2017-12-05 16:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 38.44 Mbit/s
95th percentile per-packet one-way delay: 28.542 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 38.44 Mbit/s
95th percentile per-packet one-way delay: 28.542 ms
Loss rate: 0.39%

Run 8: Report of LEDBAT — Data Link

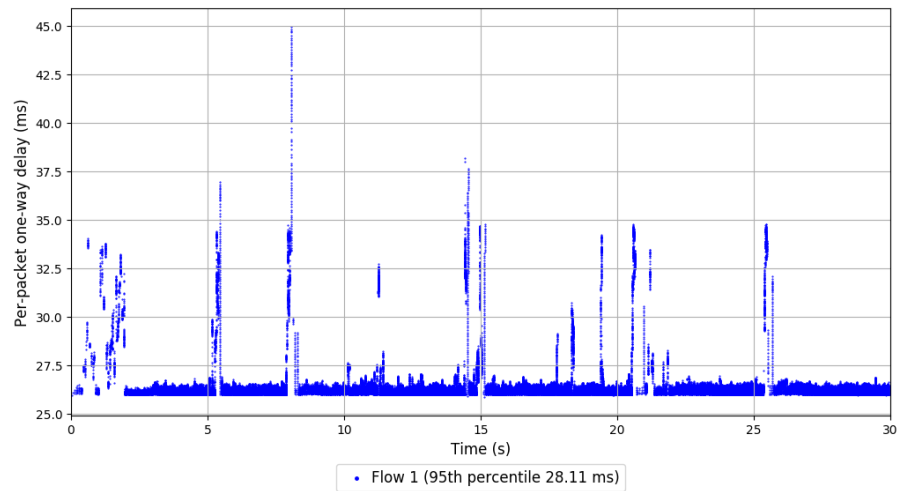
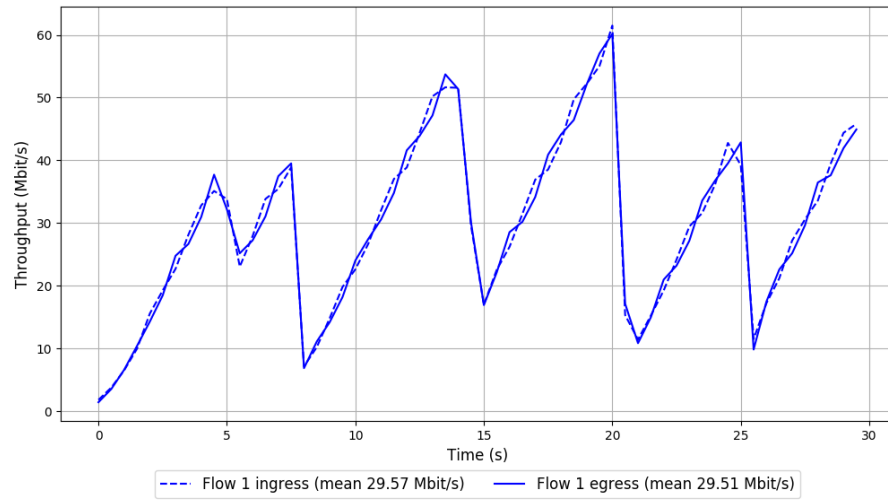


Run 9: Statistics of LEDBAT

Start at: 2017-12-05 12:34:44
End at: 2017-12-05 12:35:14
Local clock offset: 0.309 ms
Remote clock offset: -3.083 ms

Below is generated by plot.py at 2017-12-05 16:12:01
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.51 Mbit/s
95th percentile per-packet one-way delay: 28.107 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 29.51 Mbit/s
95th percentile per-packet one-way delay: 28.107 ms
Loss rate: 0.39%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2017-12-05 12:53:18

End at: 2017-12-05 12:53:48

Local clock offset: 0.332 ms

Remote clock offset: -1.0 ms

Below is generated by plot.py at 2017-12-05 16:12:18

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.87 Mbit/s

95th percentile per-packet one-way delay: 35.625 ms

Loss rate: 0.12%

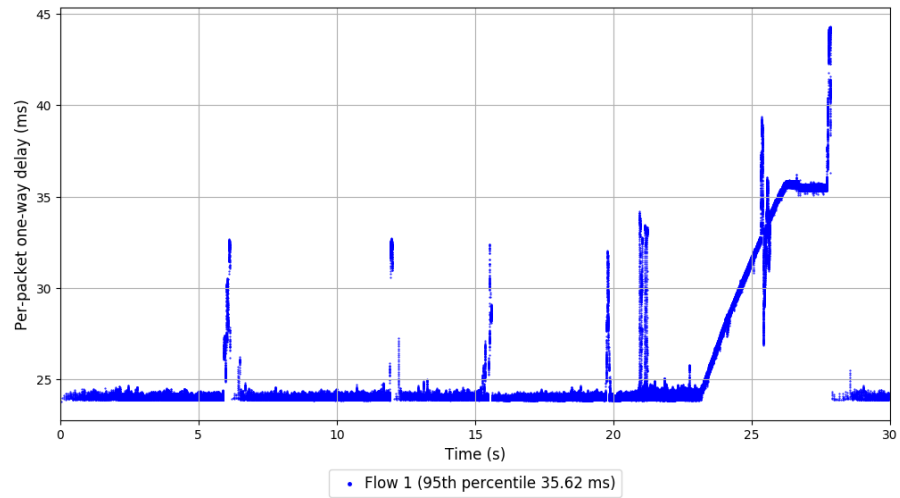
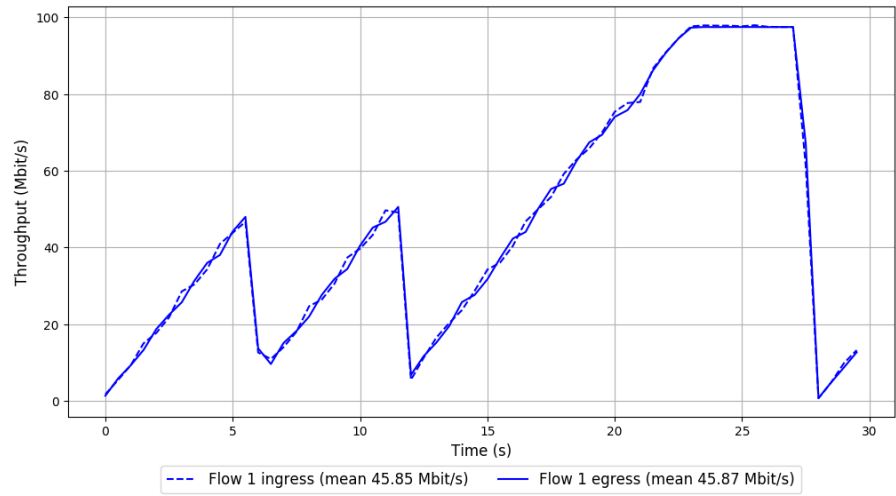
-- Flow 1:

Average throughput: 45.87 Mbit/s

95th percentile per-packet one-way delay: 35.625 ms

Loss rate: 0.12%

Run 10: Report of LEDBAT — Data Link

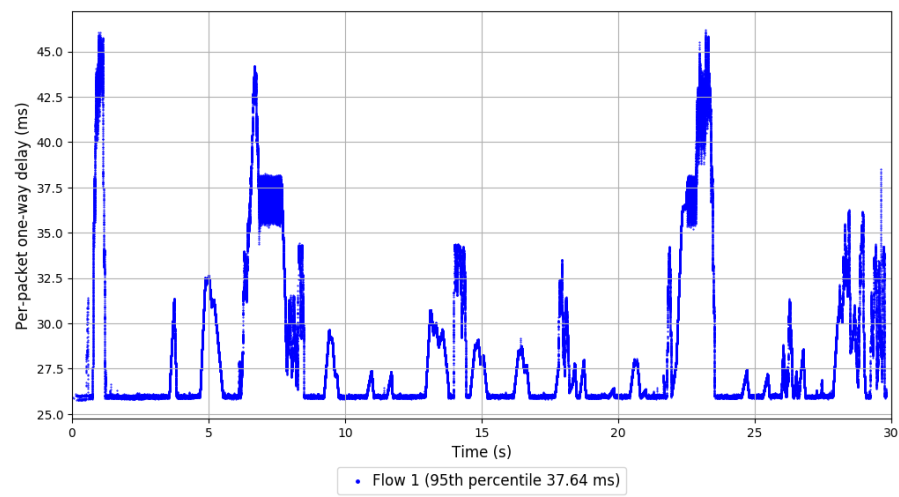
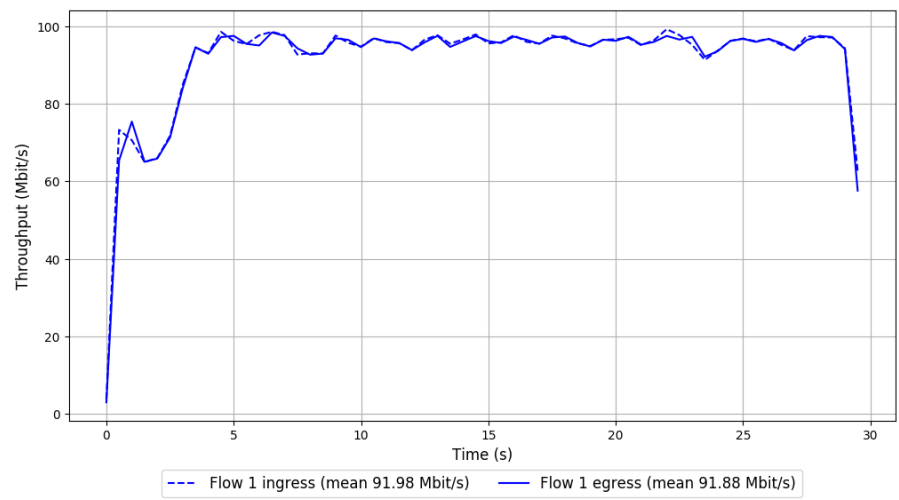


Run 1: Statistics of PCC

Start at: 2017-12-05 09:54:37
End at: 2017-12-05 09:55:07
Local clock offset: 1.115 ms
Remote clock offset: -2.065 ms

Below is generated by plot.py at 2017-12-05 16:13:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.88 Mbit/s
95th percentile per-packet one-way delay: 37.637 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 91.88 Mbit/s
95th percentile per-packet one-way delay: 37.637 ms
Loss rate: 0.28%

Run 1: Report of PCC — Data Link

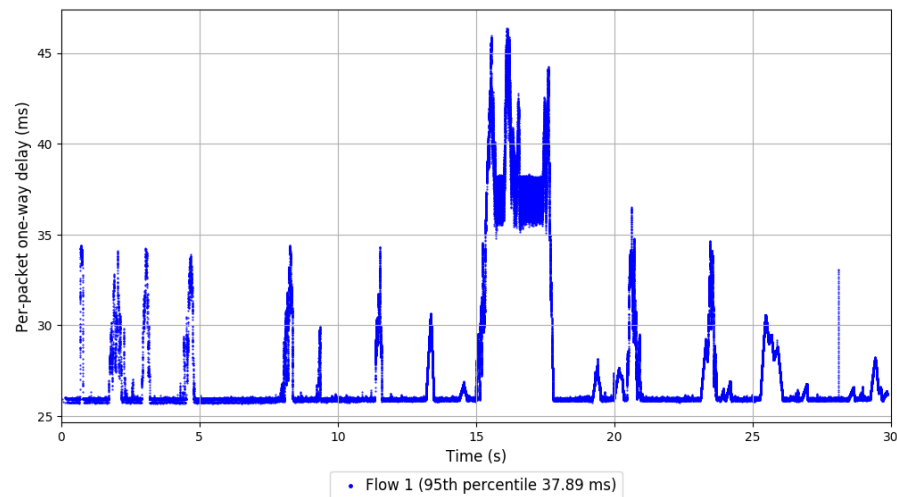
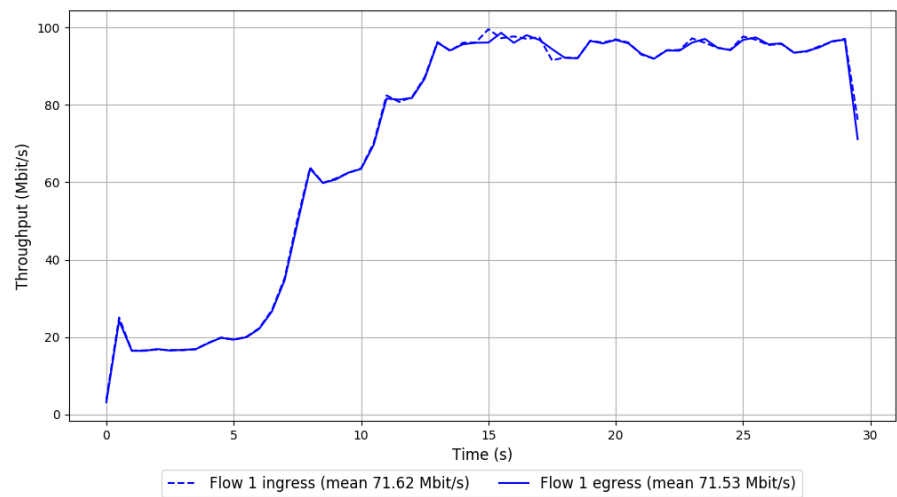


Run 2: Statistics of PCC

Start at: 2017-12-05 10:13:16
End at: 2017-12-05 10:13:47
Local clock offset: 1.075 ms
Remote clock offset: -1.457 ms

Below is generated by plot.py at 2017-12-05 16:13:10
Datalink statistics
-- Total of 1 flow:
Average throughput: 71.53 Mbit/s
95th percentile per-packet one-way delay: 37.891 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 71.53 Mbit/s
95th percentile per-packet one-way delay: 37.891 ms
Loss rate: 0.31%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-12-05 10:31:53

End at: 2017-12-05 10:32:23

Local clock offset: 1.096 ms

Remote clock offset: 1.147 ms

Below is generated by plot.py at 2017-12-05 16:13:14

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.76 Mbit/s

95th percentile per-packet one-way delay: 35.595 ms

Loss rate: 0.34%

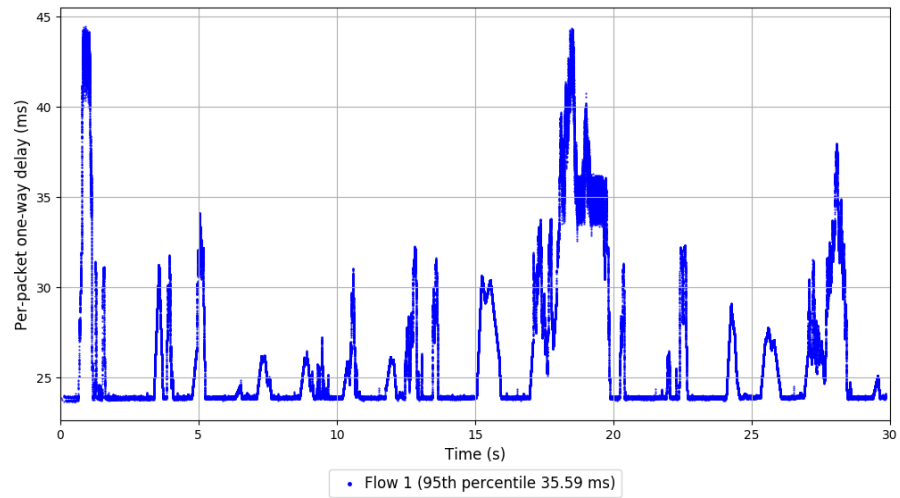
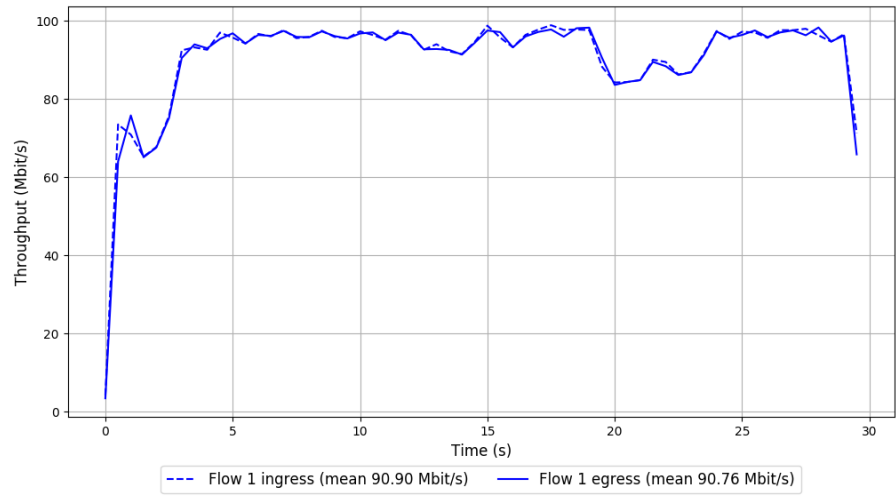
-- Flow 1:

Average throughput: 90.76 Mbit/s

95th percentile per-packet one-way delay: 35.595 ms

Loss rate: 0.34%

Run 3: Report of PCC — Data Link

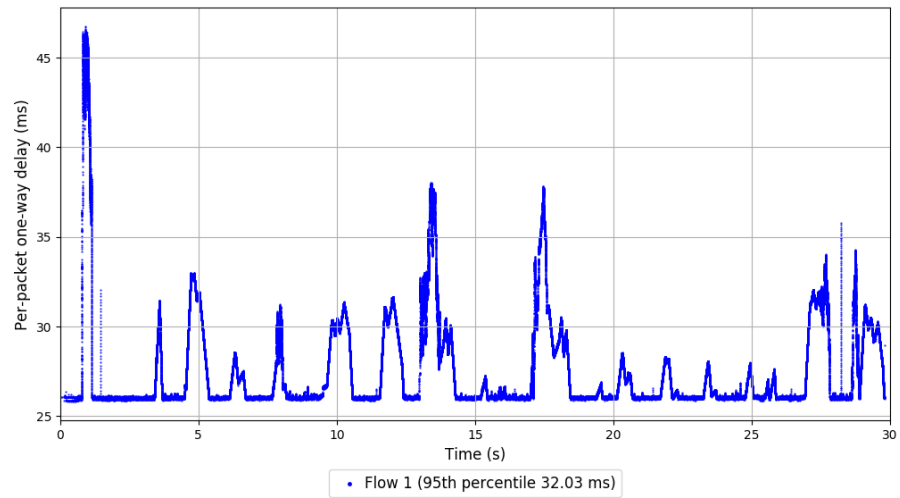
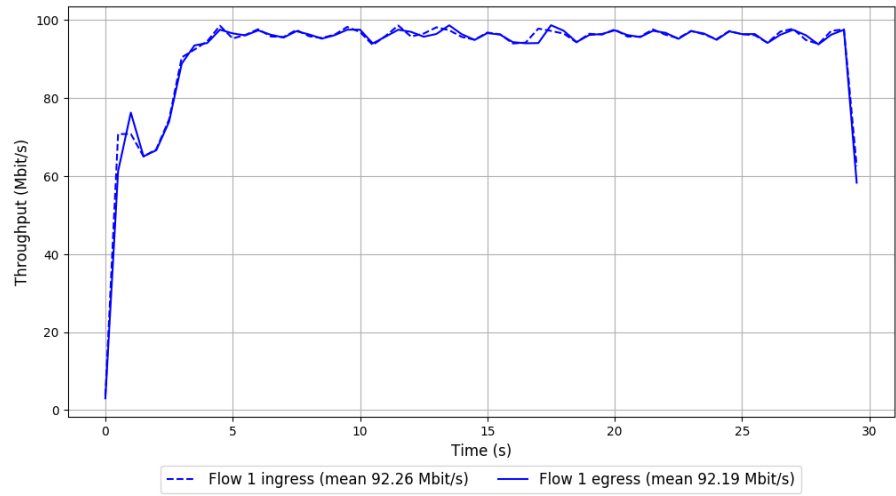


Run 4: Statistics of PCC

Start at: 2017-12-05 10:50:26
End at: 2017-12-05 10:50:56
Local clock offset: 1.037 ms
Remote clock offset: -0.508 ms

Below is generated by plot.py at 2017-12-05 16:13:16
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.19 Mbit/s
95th percentile per-packet one-way delay: 32.033 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 92.19 Mbit/s
95th percentile per-packet one-way delay: 32.033 ms
Loss rate: 0.25%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

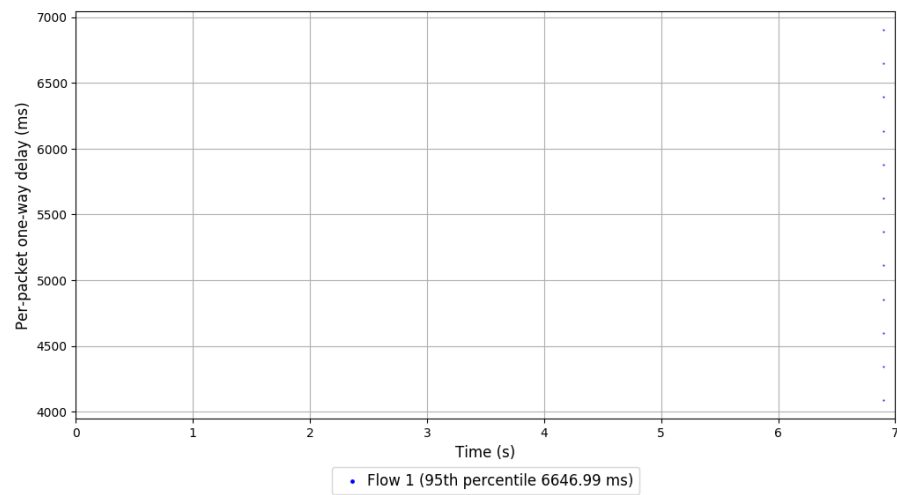
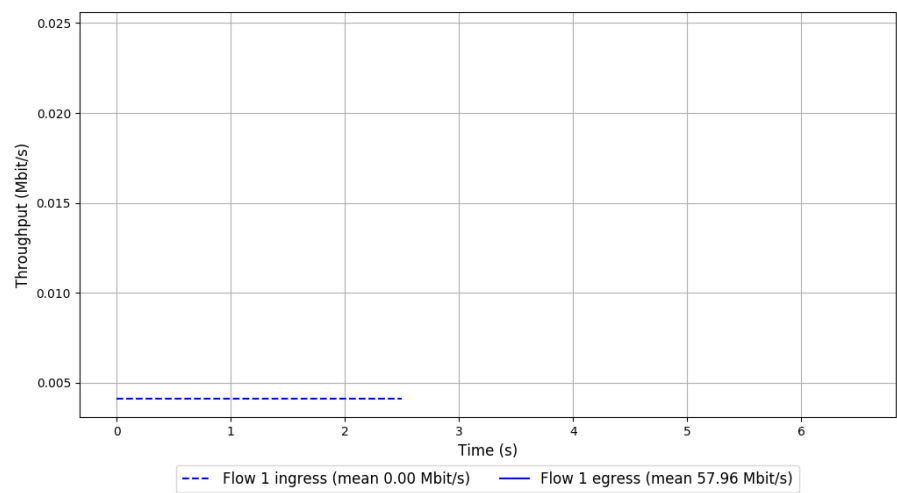
Start at: 2017-12-05 11:09:08

End at: 2017-12-05 11:09:38

Local clock offset: 1.094 ms

Remote clock offset: 0.08 ms

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

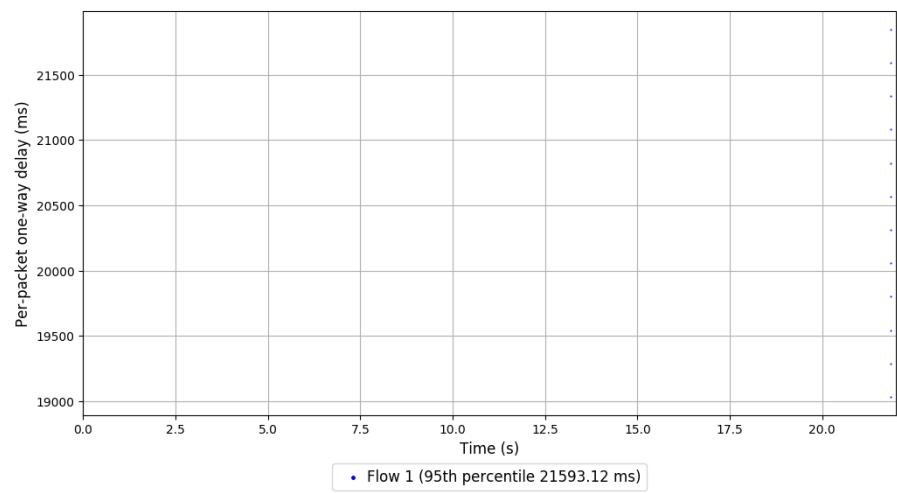
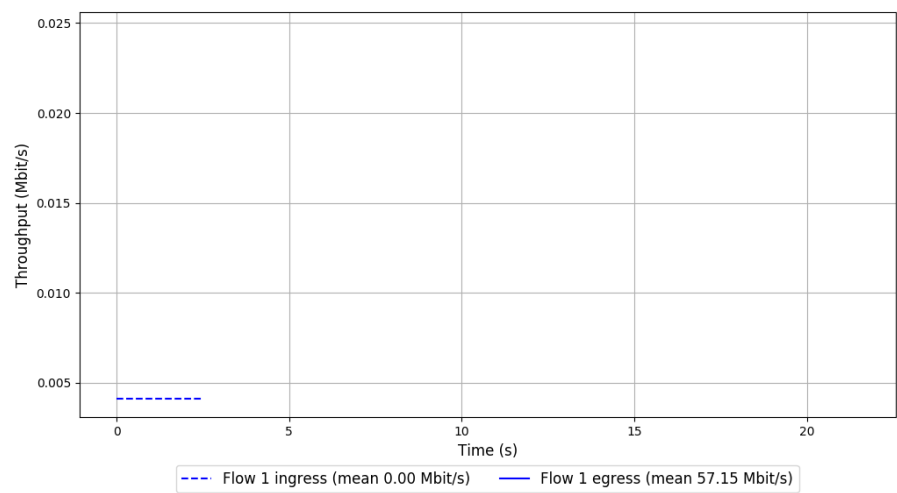
Start at: 2017-12-05 11:27:56

End at: 2017-12-05 11:28:26

Local clock offset: 0.795 ms

Remote clock offset: 1.763 ms

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2017-12-05 11:46:30

End at: 2017-12-05 11:47:00

Local clock offset: 0.666 ms

Remote clock offset: 2.079 ms

Below is generated by plot.py at 2017-12-05 16:13:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.83 Mbit/s

95th percentile per-packet one-way delay: 35.120 ms

Loss rate: 0.40%

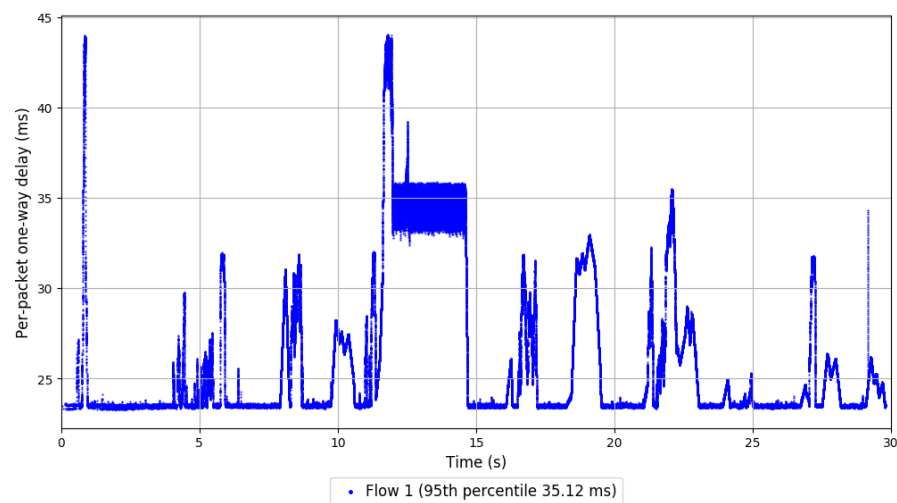
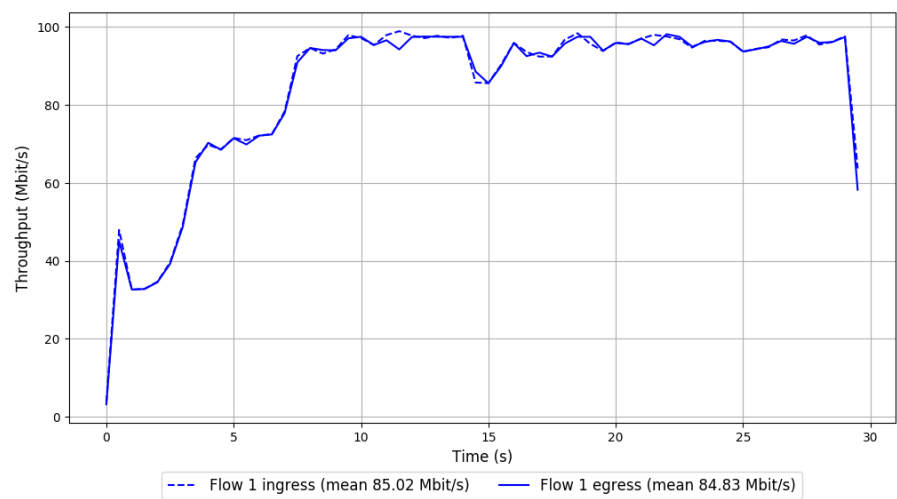
-- Flow 1:

Average throughput: 84.83 Mbit/s

95th percentile per-packet one-way delay: 35.120 ms

Loss rate: 0.40%

Run 7: Report of PCC — Data Link

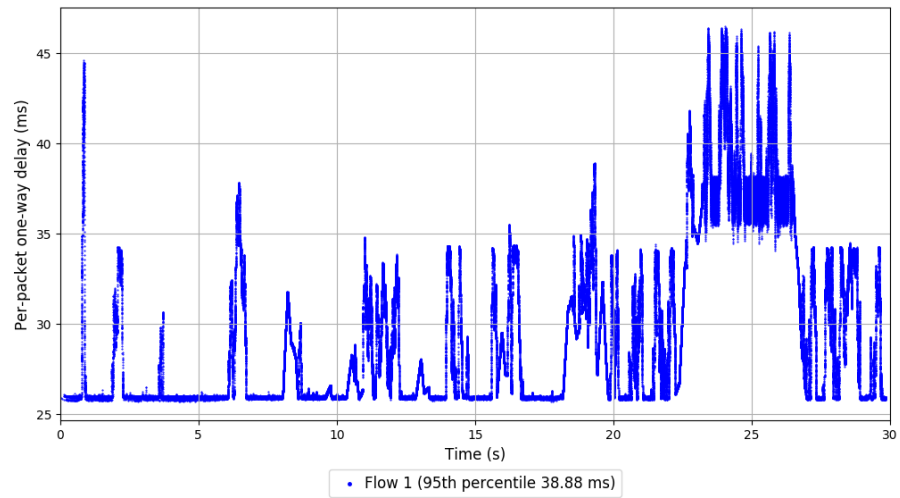
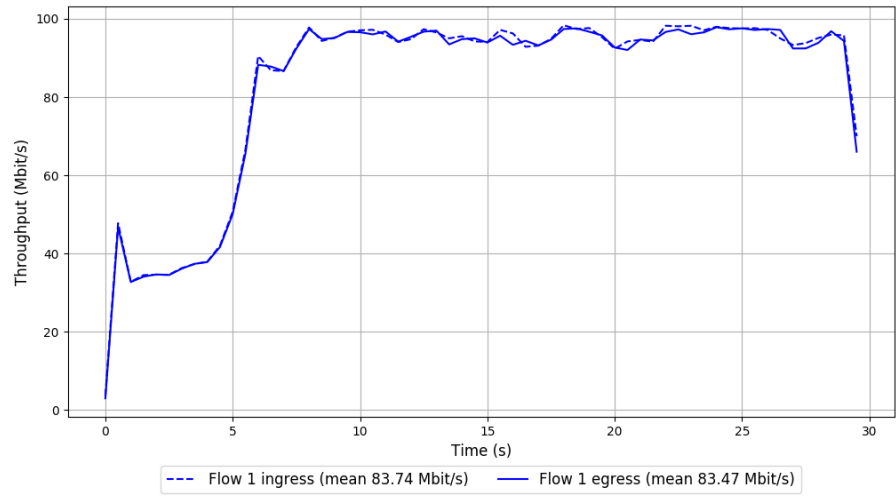


Run 8: Statistics of PCC

Start at: 2017-12-05 12:05:21
End at: 2017-12-05 12:05:51
Local clock offset: 0.379 ms
Remote clock offset: -1.432 ms

Below is generated by plot.py at 2017-12-05 16:13:17
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.47 Mbit/s
95th percentile per-packet one-way delay: 38.876 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 83.47 Mbit/s
95th percentile per-packet one-way delay: 38.876 ms
Loss rate: 0.51%

Run 8: Report of PCC — Data Link

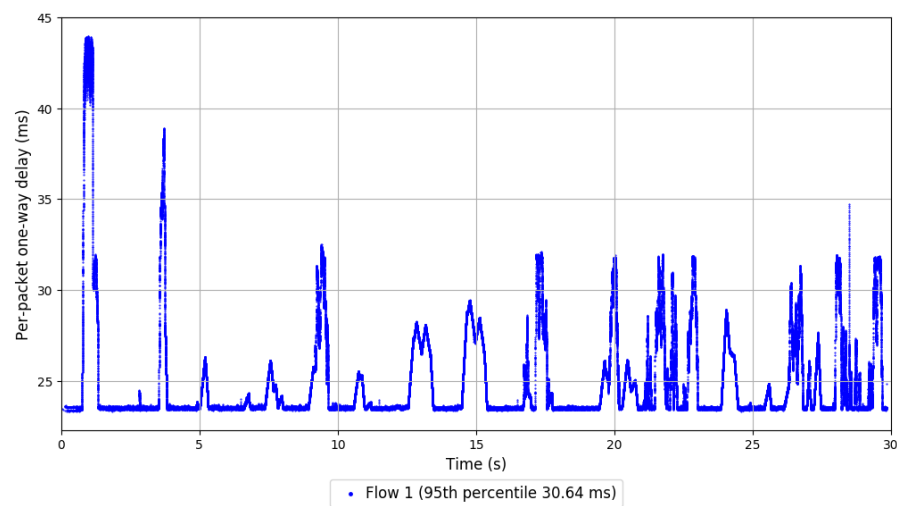
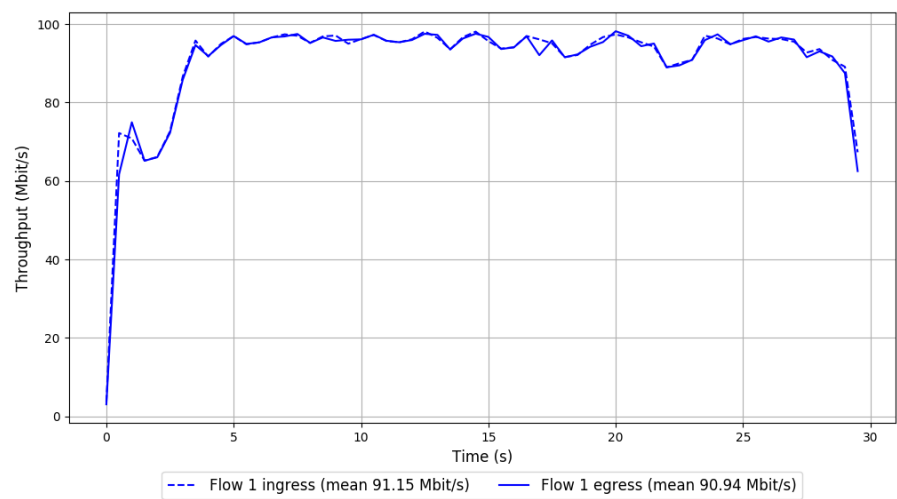


Run 9: Statistics of PCC

Start at: 2017-12-05 12:24:06
End at: 2017-12-05 12:24:36
Local clock offset: 0.412 ms
Remote clock offset: -0.238 ms

Below is generated by plot.py at 2017-12-05 16:13:23
Datalink statistics
-- Total of 1 flow:
Average throughput: 90.94 Mbit/s
95th percentile per-packet one-way delay: 30.641 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 90.94 Mbit/s
95th percentile per-packet one-way delay: 30.641 ms
Loss rate: 0.40%

Run 9: Report of PCC — Data Link

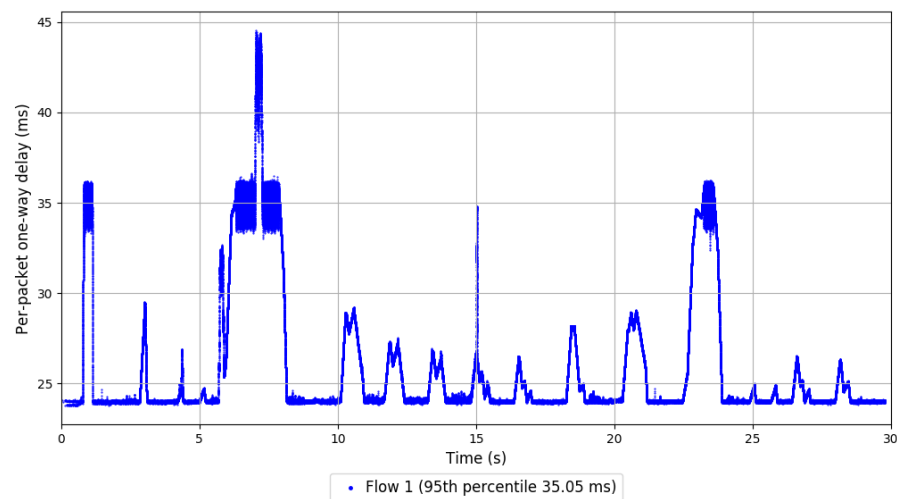
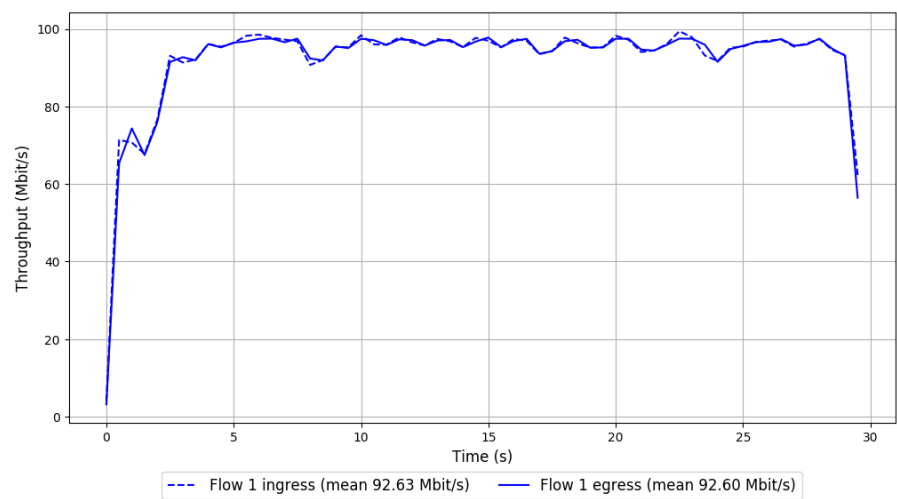


Run 10: Statistics of PCC

Start at: 2017-12-05 12:42:36
End at: 2017-12-05 12:43:06
Local clock offset: 0.371 ms
Remote clock offset: -1.032 ms

Below is generated by plot.py at 2017-12-05 16:13:45
Datalink statistics
-- Total of 1 flow:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 35.053 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 35.053 ms
Loss rate: 0.21%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2017-12-05 09:58:35

End at: 2017-12-05 09:59:05

Local clock offset: 1.016 ms

Remote clock offset: -2.03 ms

Below is generated by plot.py at 2017-12-05 16:13:57

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.43 Mbit/s

95th percentile per-packet one-way delay: 37.422 ms

Loss rate: 0.39%

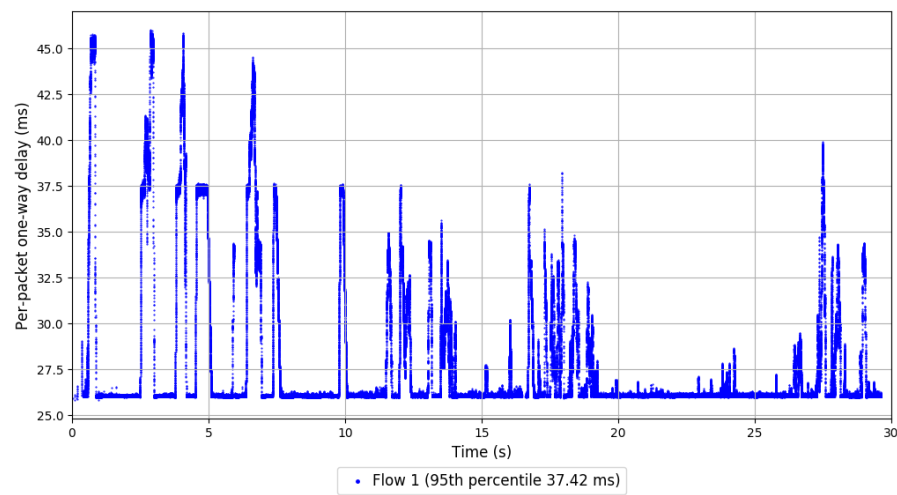
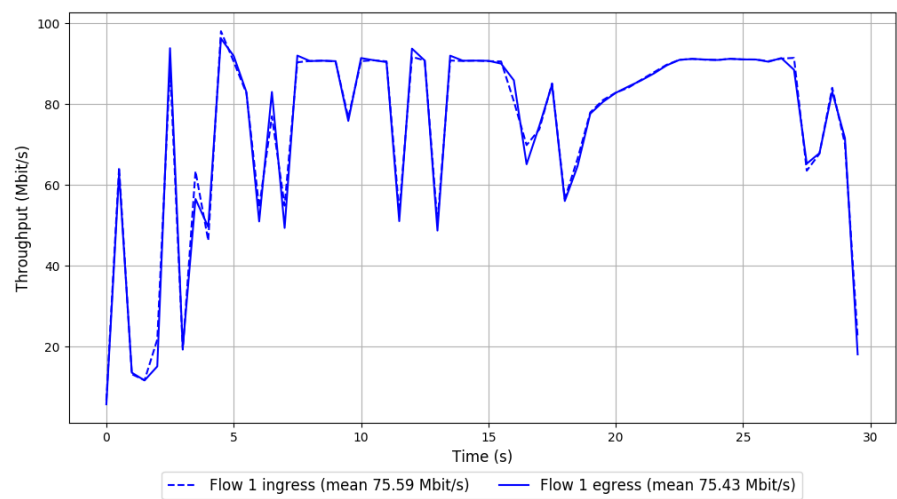
-- Flow 1:

Average throughput: 75.43 Mbit/s

95th percentile per-packet one-way delay: 37.422 ms

Loss rate: 0.39%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-12-05 10:17:14

End at: 2017-12-05 10:17:44

Local clock offset: 1.091 ms

Remote clock offset: 0.748 ms

Below is generated by plot.py at 2017-12-05 16:14:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.27 Mbit/s

95th percentile per-packet one-way delay: 35.383 ms

Loss rate: 0.24%

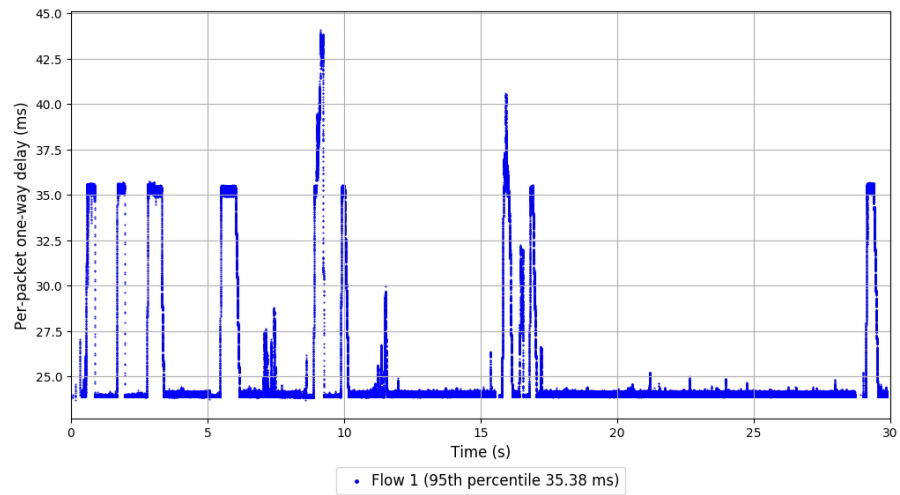
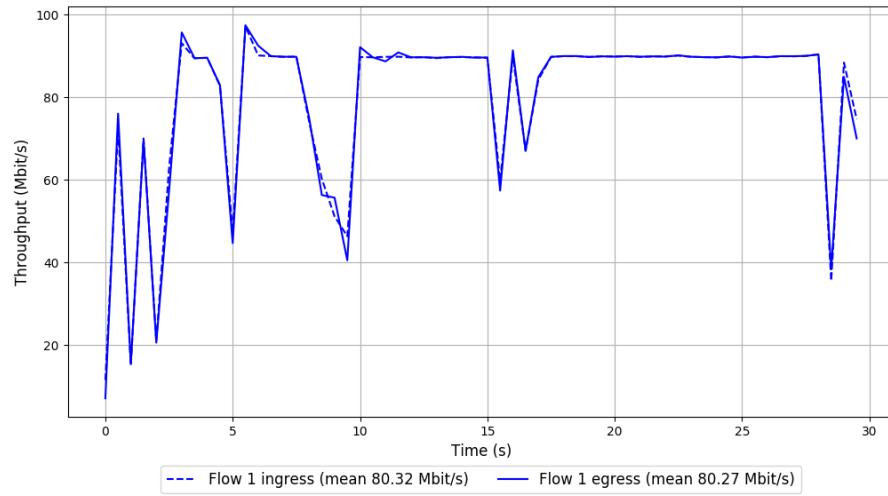
-- Flow 1:

Average throughput: 80.27 Mbit/s

95th percentile per-packet one-way delay: 35.383 ms

Loss rate: 0.24%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2017-12-05 10:35:52

End at: 2017-12-05 10:36:22

Local clock offset: 1.093 ms

Remote clock offset: 1.31 ms

Below is generated by plot.py at 2017-12-05 16:14:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.87 Mbit/s

95th percentile per-packet one-way delay: 35.141 ms

Loss rate: 0.32%

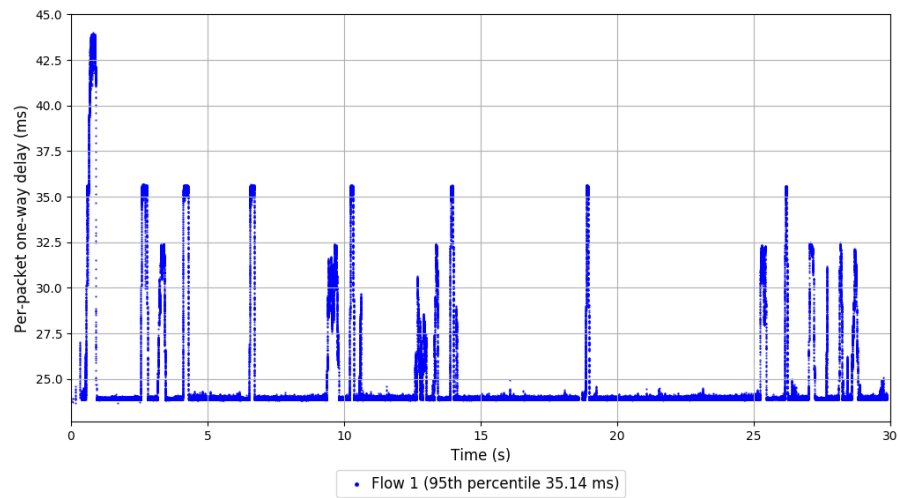
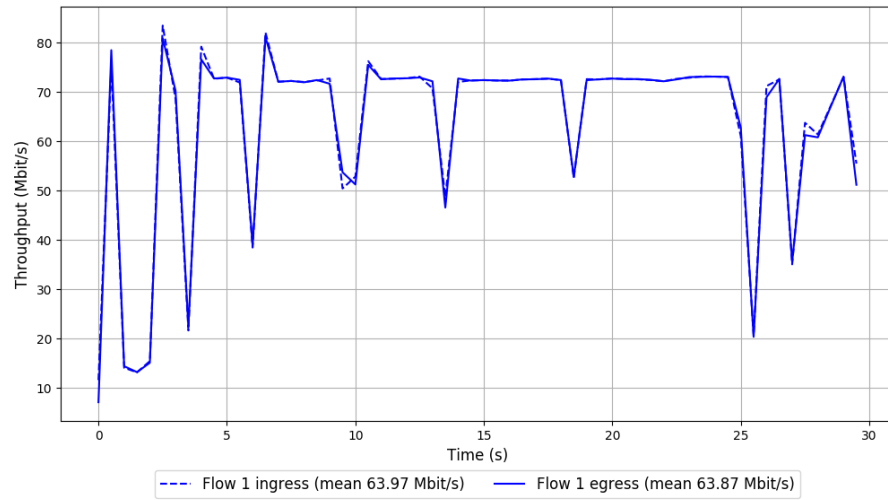
-- Flow 1:

Average throughput: 63.87 Mbit/s

95th percentile per-packet one-way delay: 35.141 ms

Loss rate: 0.32%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2017-12-05 10:54:24

End at: 2017-12-05 10:54:54

Local clock offset: 0.996 ms

Remote clock offset: -0.333 ms

Below is generated by plot.py at 2017-12-05 16:14:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.36 Mbit/s

95th percentile per-packet one-way delay: 37.466 ms

Loss rate: 0.22%

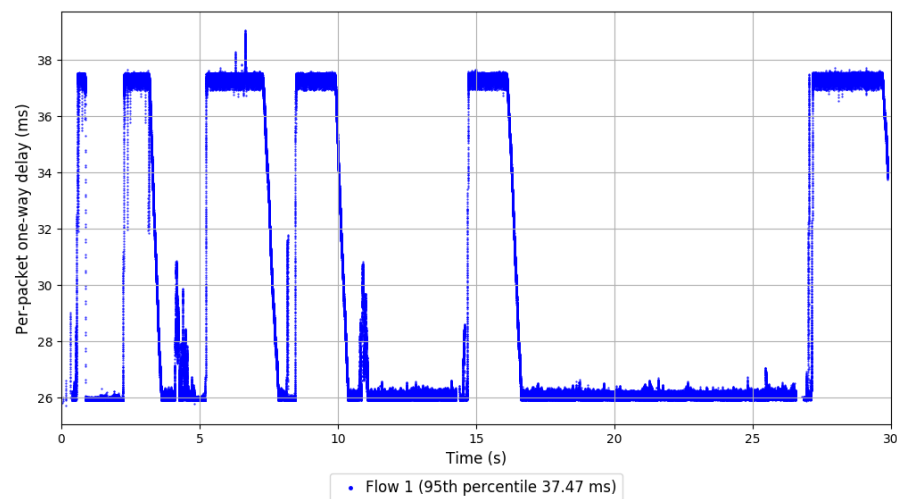
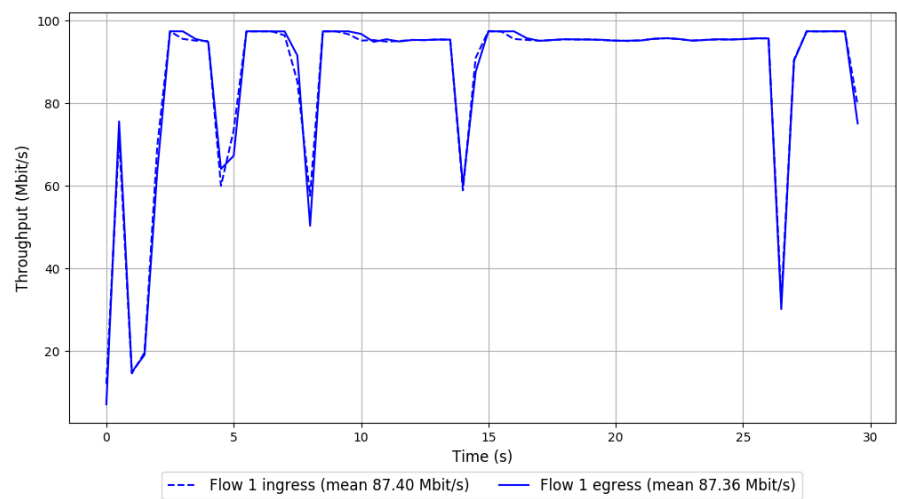
-- Flow 1:

Average throughput: 87.36 Mbit/s

95th percentile per-packet one-way delay: 37.466 ms

Loss rate: 0.22%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-12-05 11:13:03

End at: 2017-12-05 11:13:33

Local clock offset: 1.115 ms

Remote clock offset: 2.591 ms

Below is generated by plot.py at 2017-12-05 16:14:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.77 Mbit/s

95th percentile per-packet one-way delay: 34.867 ms

Loss rate: 0.30%

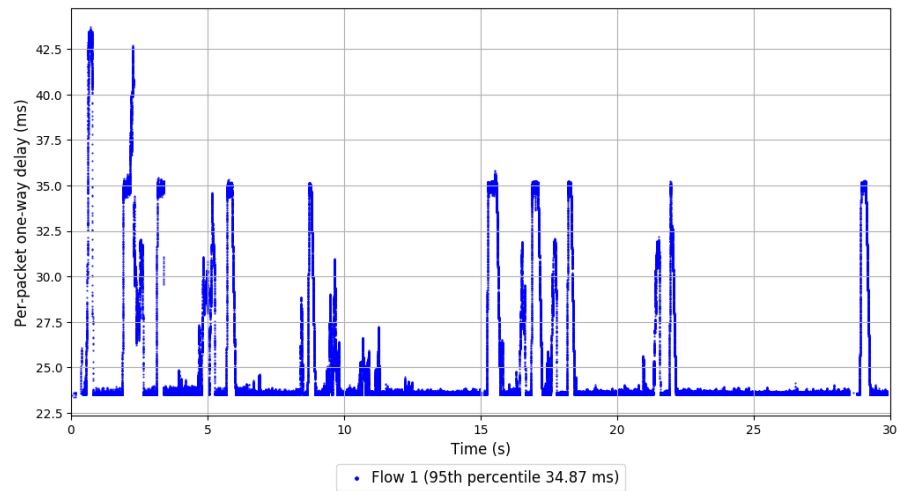
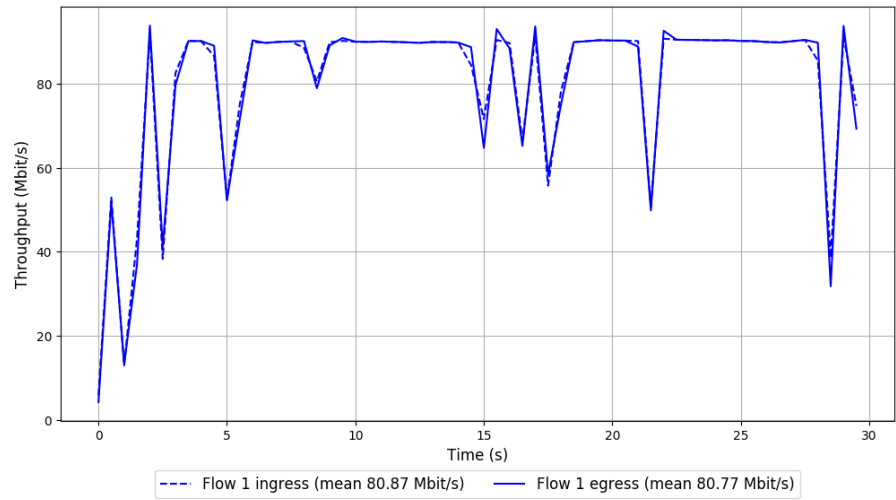
-- Flow 1:

Average throughput: 80.77 Mbit/s

95th percentile per-packet one-way delay: 34.867 ms

Loss rate: 0.30%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2017-12-05 11:31:50

End at: 2017-12-05 11:32:20

Local clock offset: 0.854 ms

Remote clock offset: 1.555 ms

Below is generated by plot.py at 2017-12-05 16:14:50

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.35 Mbit/s

95th percentile per-packet one-way delay: 35.384 ms

Loss rate: 0.23%

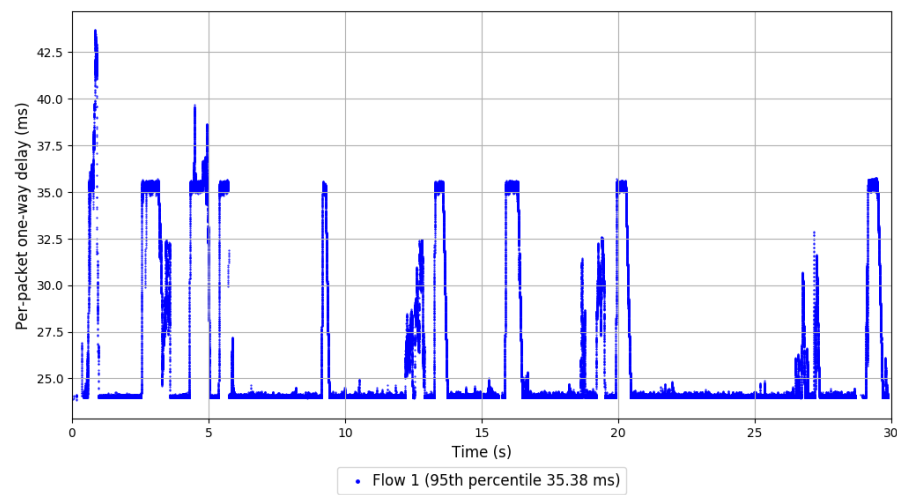
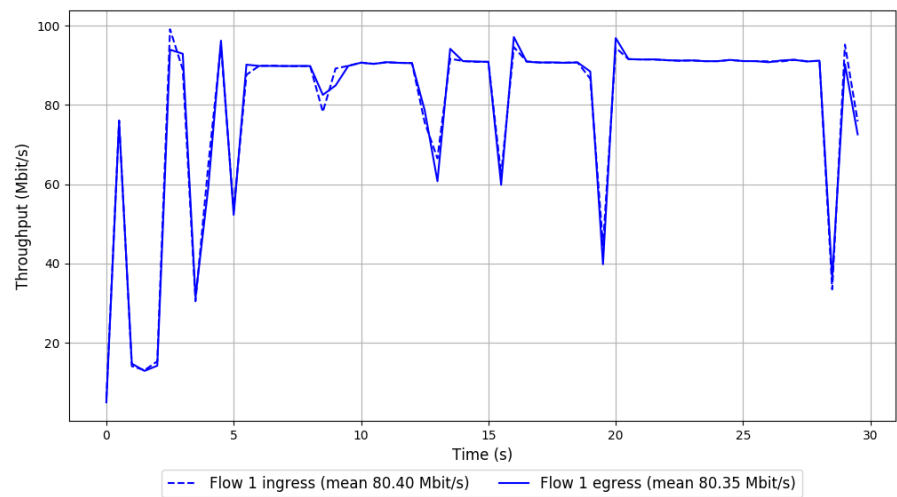
-- Flow 1:

Average throughput: 80.35 Mbit/s

95th percentile per-packet one-way delay: 35.384 ms

Loss rate: 0.23%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2017-12-05 11:50:27

End at: 2017-12-05 11:50:57

Local clock offset: 0.515 ms

Remote clock offset: 1.893 ms

Below is generated by plot.py at 2017-12-05 16:14:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.95 Mbit/s

95th percentile per-packet one-way delay: 34.881 ms

Loss rate: 0.27%

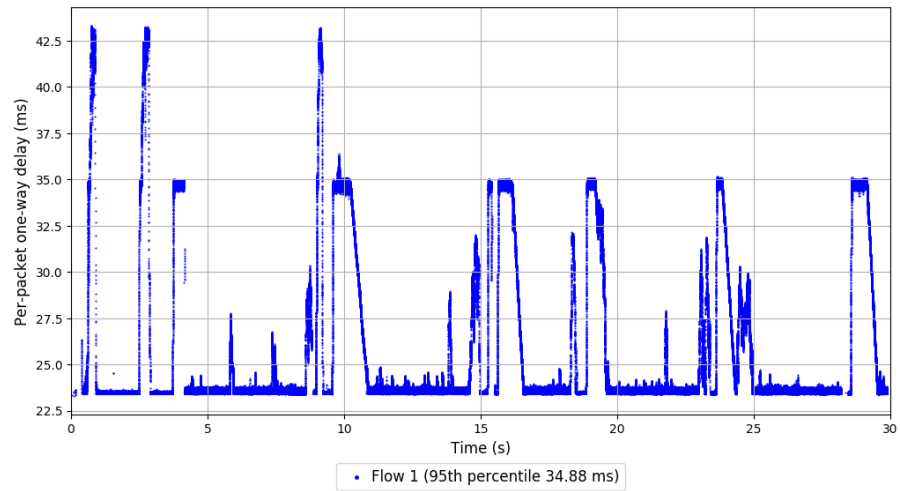
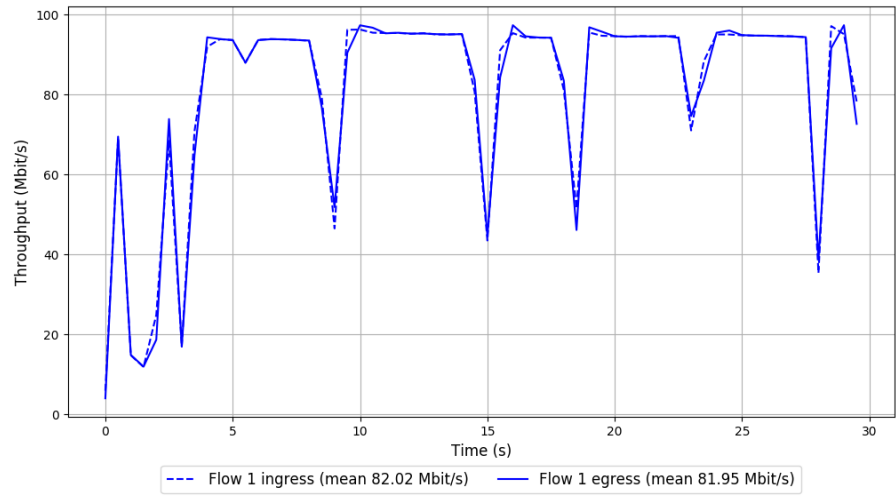
-- Flow 1:

Average throughput: 81.95 Mbit/s

95th percentile per-packet one-way delay: 34.881 ms

Loss rate: 0.27%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-12-05 12:09:19

End at: 2017-12-05 12:09:49

Local clock offset: 0.353 ms

Remote clock offset: -1.762 ms

Below is generated by plot.py at 2017-12-05 16:15:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.61 Mbit/s

95th percentile per-packet one-way delay: 37.825 ms

Loss rate: 0.25%

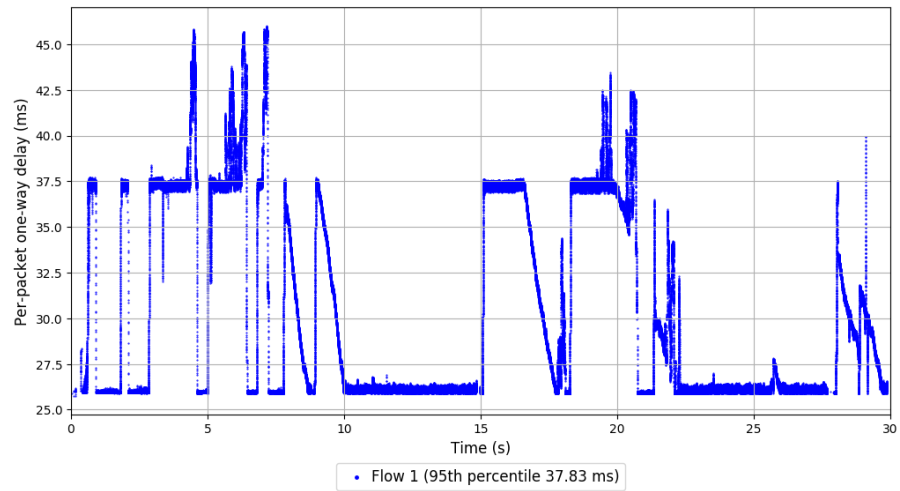
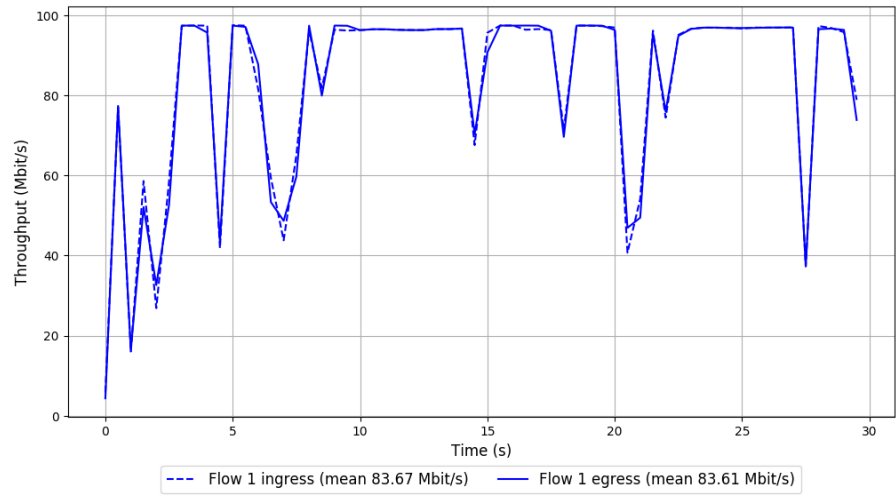
-- Flow 1:

Average throughput: 83.61 Mbit/s

95th percentile per-packet one-way delay: 37.825 ms

Loss rate: 0.25%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-12-05 12:28:02

End at: 2017-12-05 12:28:32

Local clock offset: 0.327 ms

Remote clock offset: -0.77 ms

Below is generated by plot.py at 2017-12-05 16:15:29

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.73 Mbit/s

95th percentile per-packet one-way delay: 35.231 ms

Loss rate: 0.32%

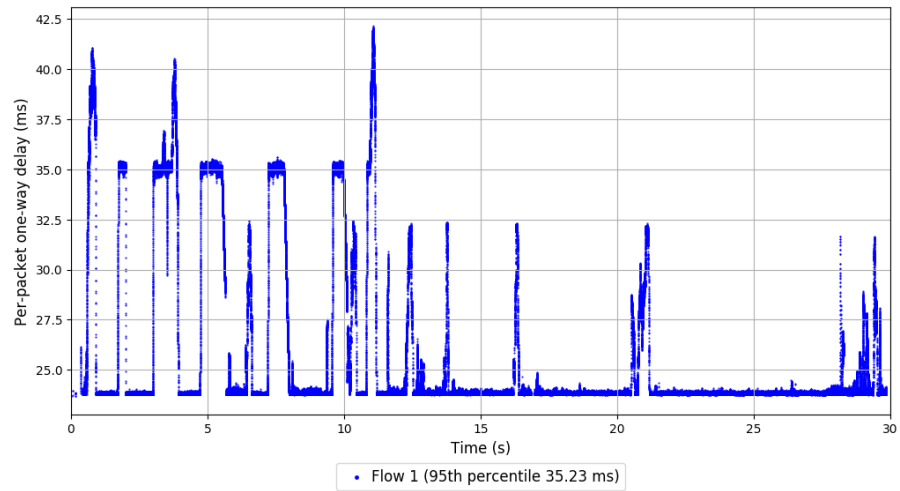
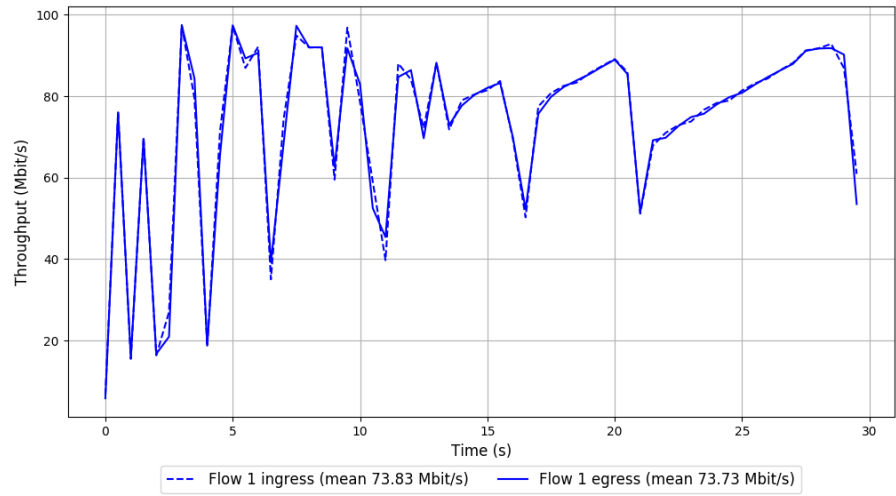
-- Flow 1:

Average throughput: 73.73 Mbit/s

95th percentile per-packet one-way delay: 35.231 ms

Loss rate: 0.32%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-12-05 12:46:34

End at: 2017-12-05 12:47:04

Local clock offset: 0.372 ms

Remote clock offset: -1.036 ms

Below is generated by plot.py at 2017-12-05 16:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.13 Mbit/s

95th percentile per-packet one-way delay: 35.572 ms

Loss rate: 0.25%

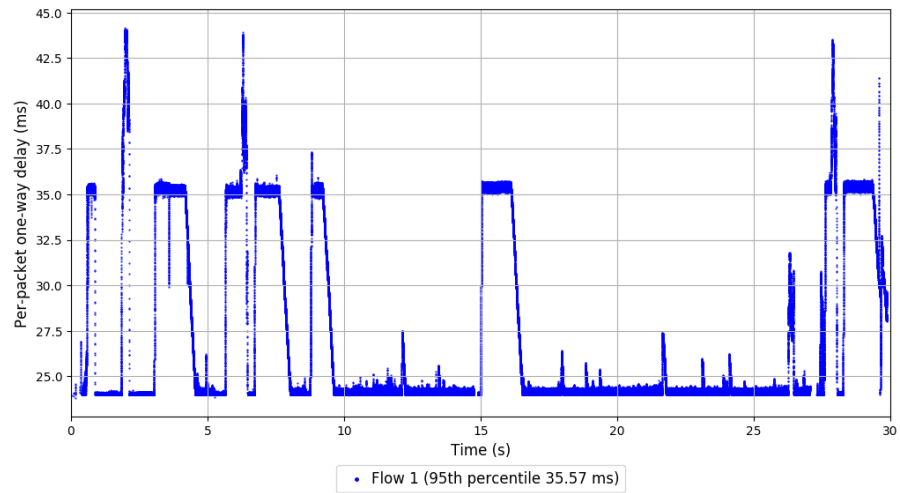
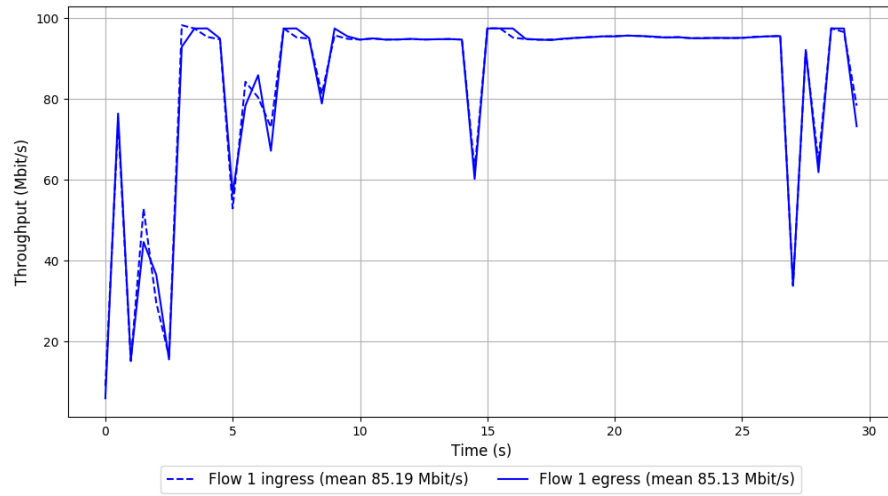
-- Flow 1:

Average throughput: 85.13 Mbit/s

95th percentile per-packet one-way delay: 35.572 ms

Loss rate: 0.25%

Run 10: Report of QUIC Cubic — Data Link

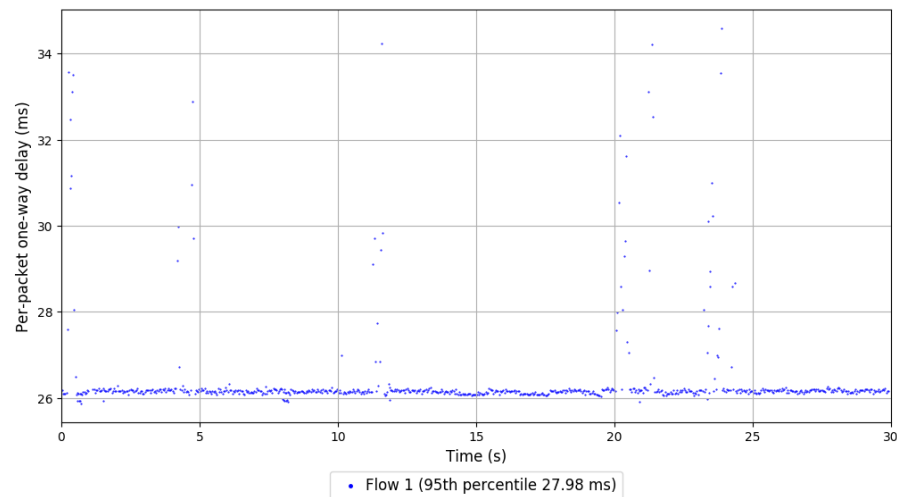
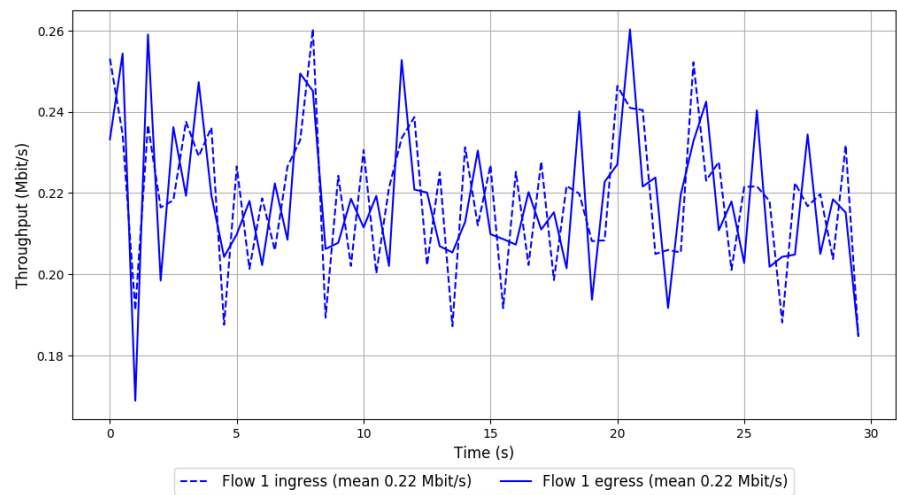


Run 1: Statistics of SCReAM

Start at: 2017-12-05 09:50:41
End at: 2017-12-05 09:51:11
Local clock offset: 1.109 ms
Remote clock offset: -2.171 ms

Below is generated by plot.py at 2017-12-05 16:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.984 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 27.984 ms
Loss rate: 0.13%

Run 1: Report of SReAM — Data Link

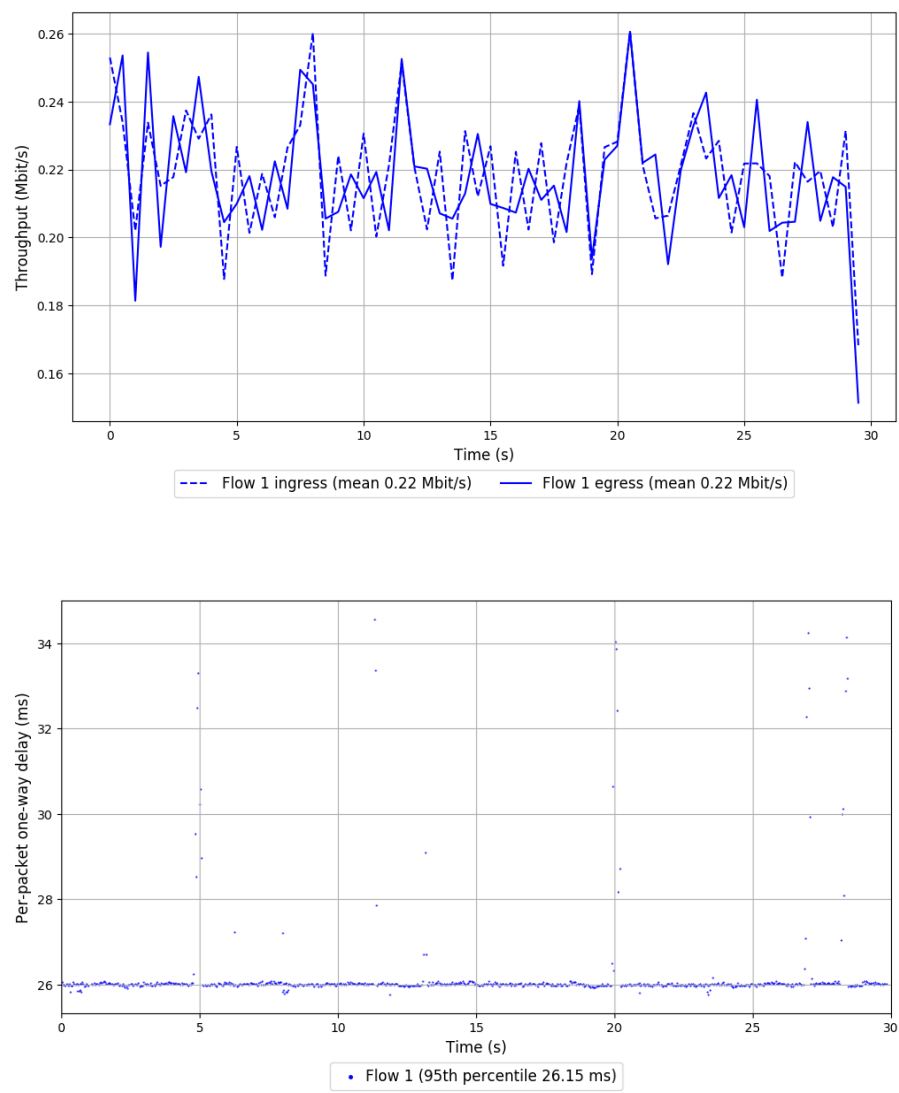


Run 2: Statistics of SCReAM

Start at: 2017-12-05 10:09:21
End at: 2017-12-05 10:09:51
Local clock offset: 1.137 ms
Remote clock offset: -1.539 ms

Below is generated by plot.py at 2017-12-05 16:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.146 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.146 ms
Loss rate: 0.25%

Run 2: Report of SReAM — Data Link

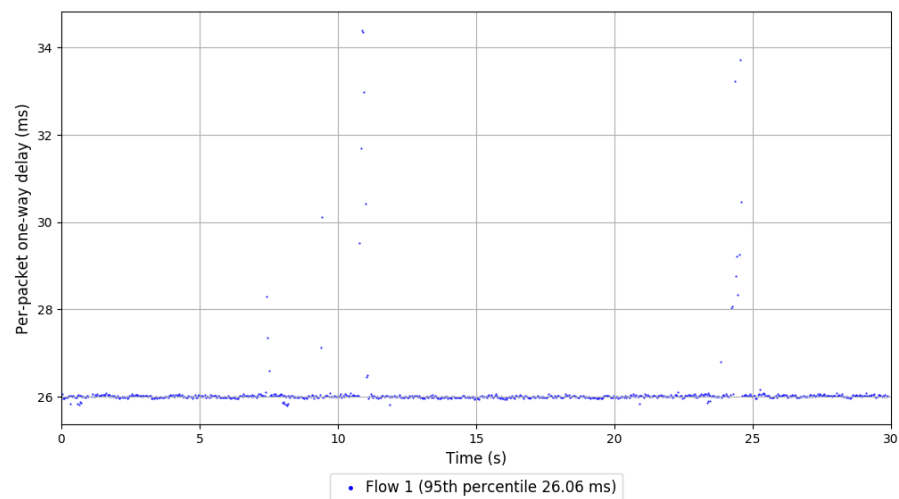
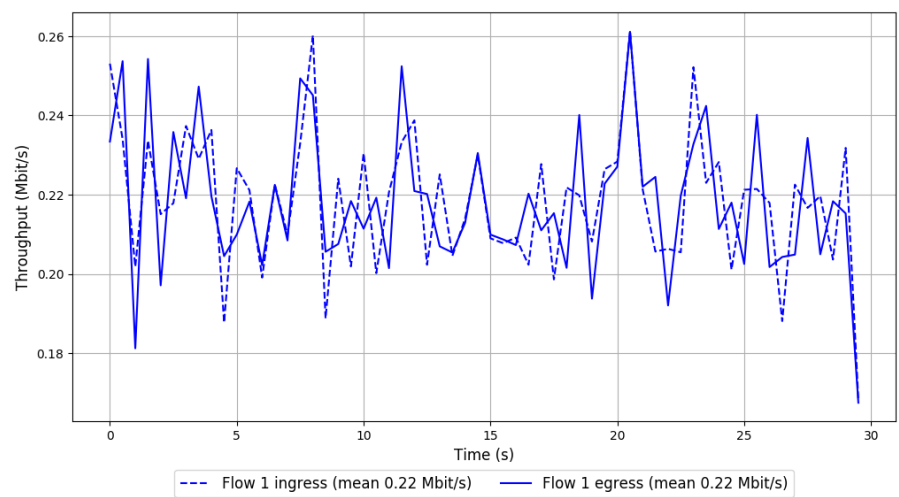


Run 3: Statistics of SCReAM

Start at: 2017-12-05 10:27:54
End at: 2017-12-05 10:28:24
Local clock offset: 1.089 ms
Remote clock offset: -0.998 ms

Below is generated by plot.py at 2017-12-05 16:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.063 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.063 ms
Loss rate: 0.13%

Run 3: Report of SReAM — Data Link

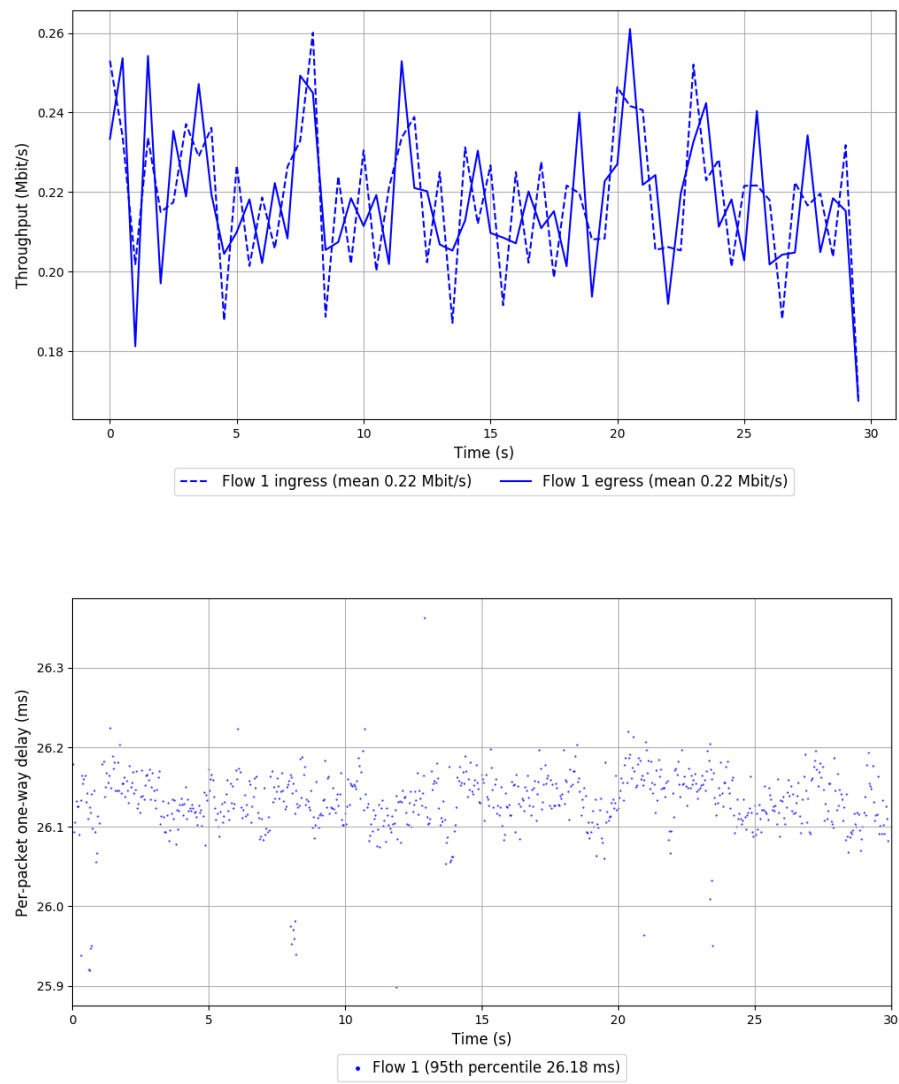


Run 4: Statistics of SCReAM

Start at: 2017-12-05 10:46:32
End at: 2017-12-05 10:47:02
Local clock offset: 1.131 ms
Remote clock offset: -0.569 ms

Below is generated by plot.py at 2017-12-05 16:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.182 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.182 ms
Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

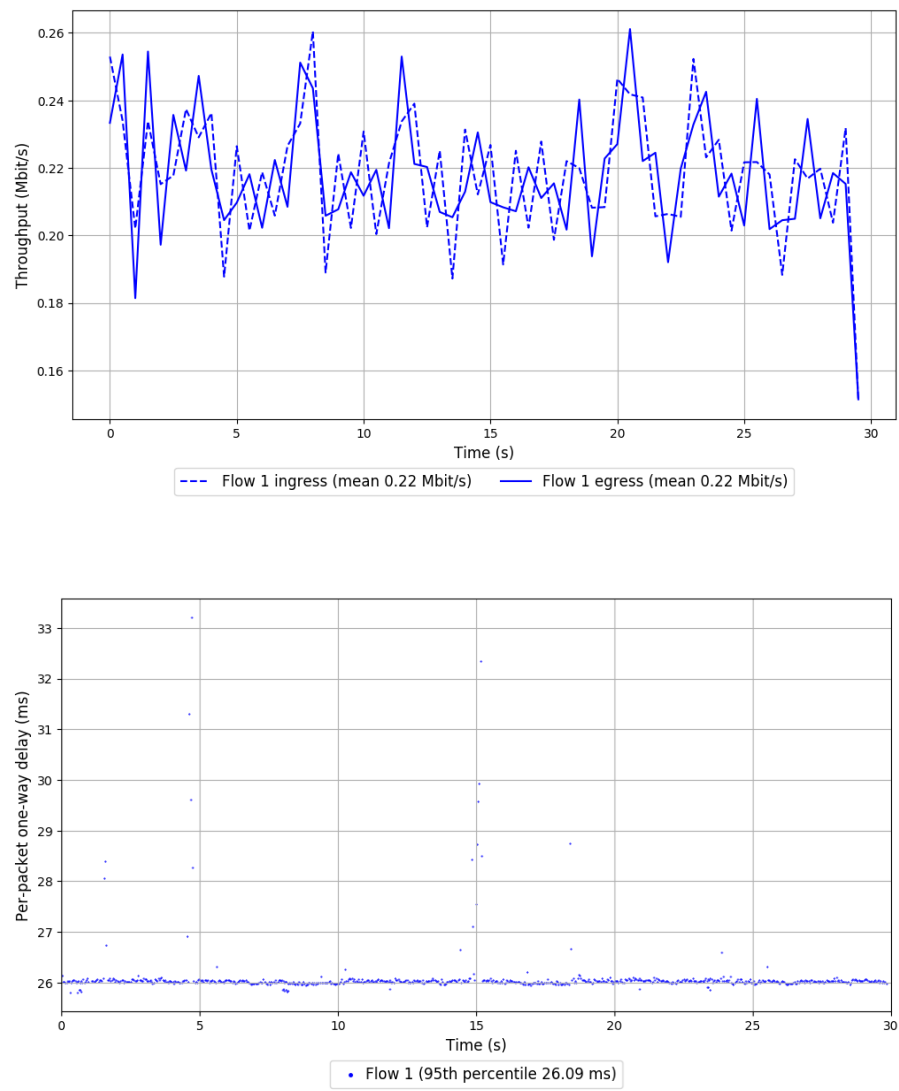


Run 5: Statistics of SCReAM

Start at: 2017-12-05 11:05:12
End at: 2017-12-05 11:05:42
Local clock offset: 0.993 ms
Remote clock offset: -0.002 ms

Below is generated by plot.py at 2017-12-05 16:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.092 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 26.092 ms
Loss rate: 0.12%

Run 5: Report of SReAM — Data Link

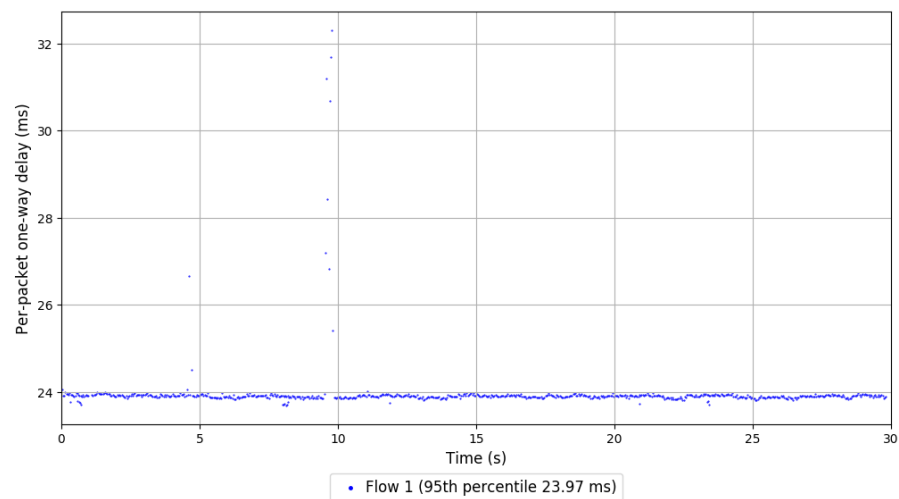
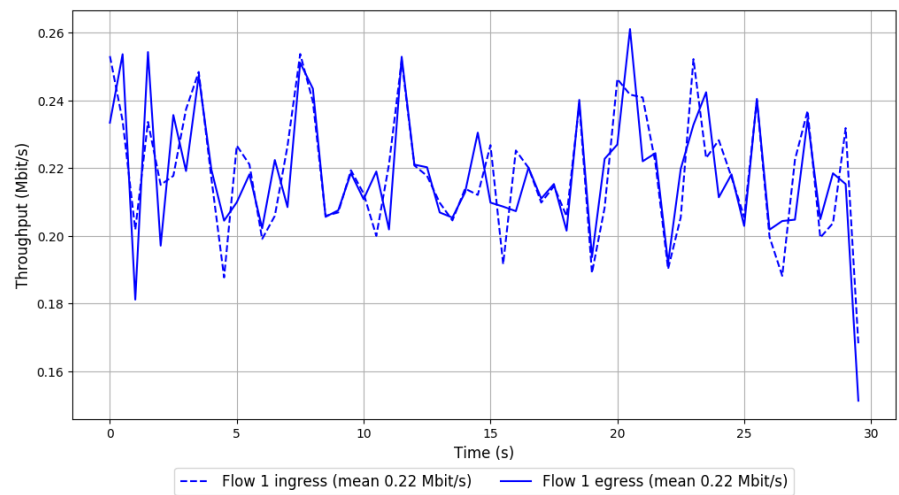


```
Run 6: Statistics of SCReAM

Start at: 2017-12-05 11:24:00
End at: 2017-12-05 11:24:30
Local clock offset: 0.929 ms
Remote clock offset: 1.785 ms

# Below is generated by plot.py at 2017-12-05 16:15:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.966 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 23.966 ms
Loss rate: 0.25%
```

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2017-12-05 11:42:36

End at: 2017-12-05 11:43:06

Local clock offset: 0.713 ms

Remote clock offset: 2.17 ms

Below is generated by plot.py at 2017-12-05 16:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.546 ms

Loss rate: 0.12%

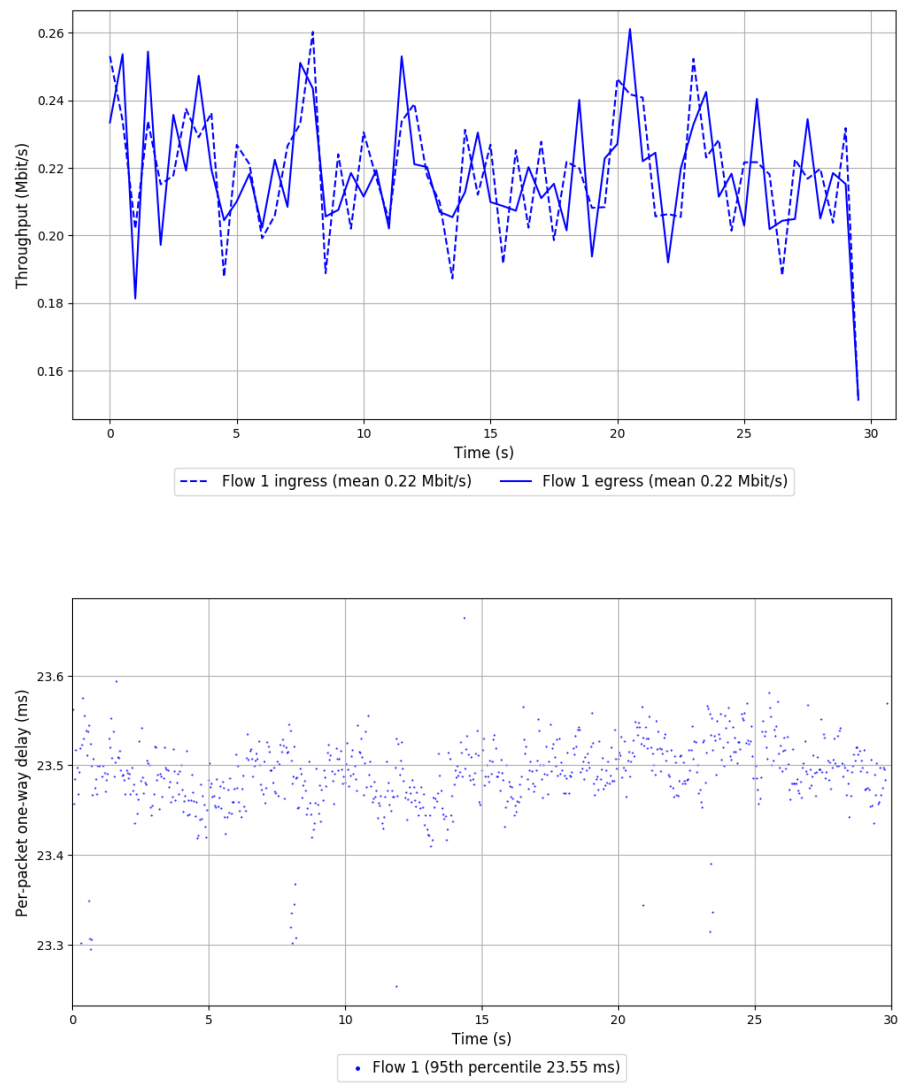
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.546 ms

Loss rate: 0.12%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2017-12-05 12:01:26

End at: 2017-12-05 12:01:56

Local clock offset: 0.395 ms

Remote clock offset: 1.234 ms

Below is generated by plot.py at 2017-12-05 16:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.935 ms

Loss rate: 0.13%

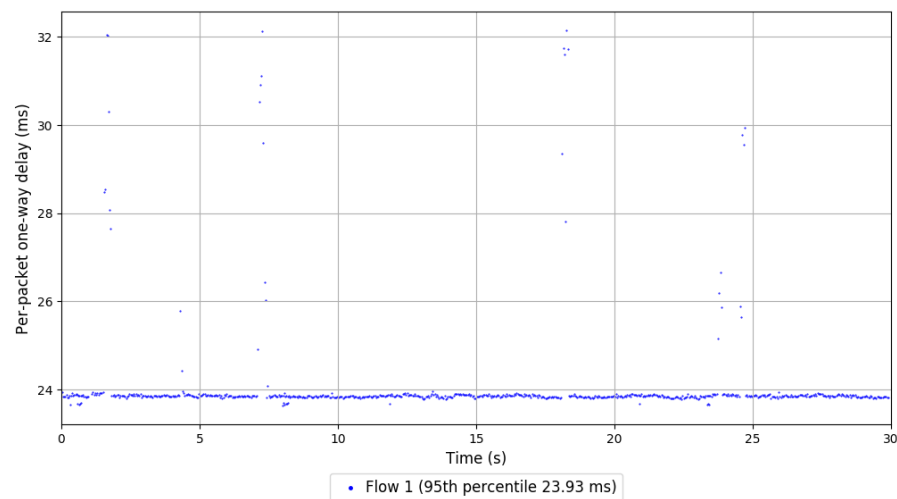
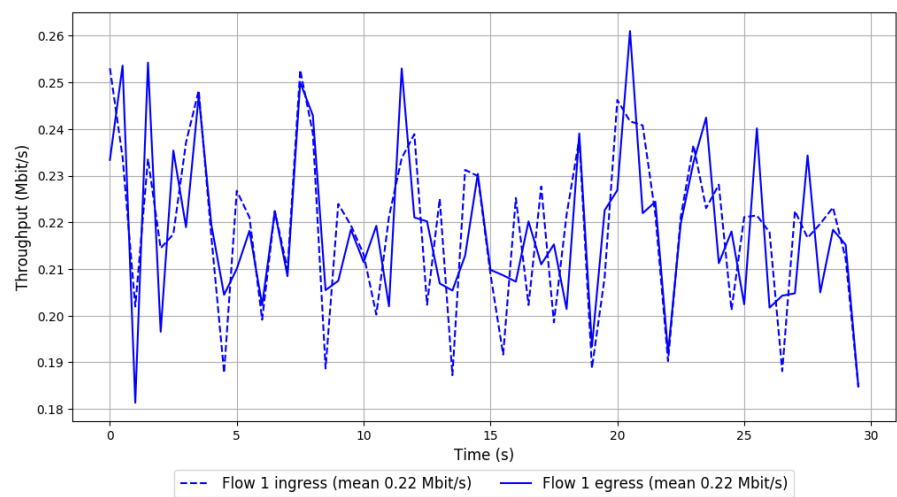
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.935 ms

Loss rate: 0.13%

Run 8: Report of SReAM — Data Link

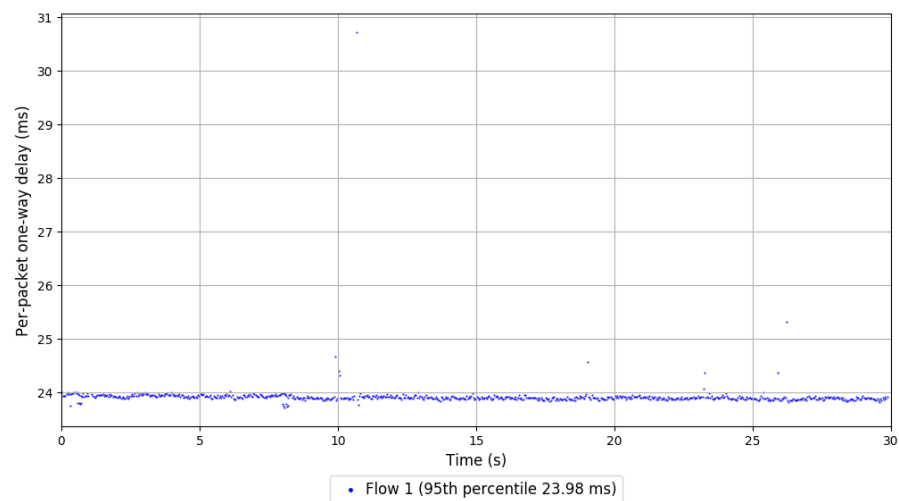
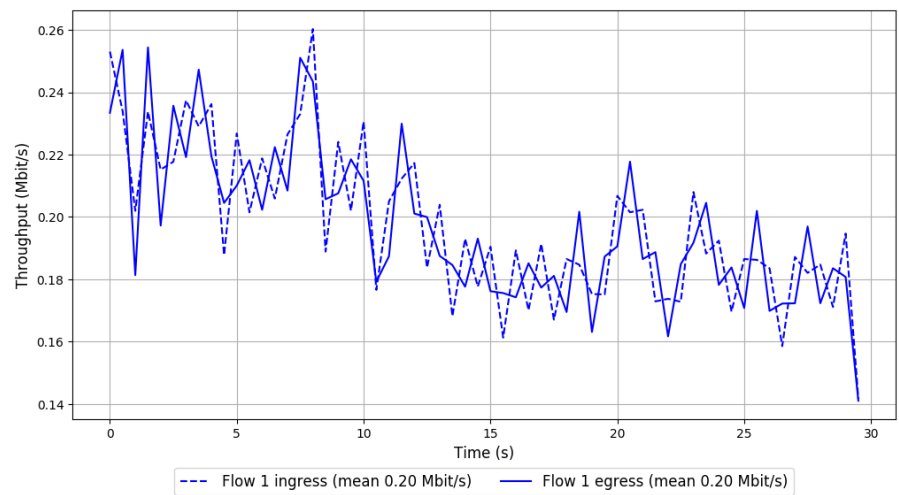


Run 9: Statistics of SCReAM

Start at: 2017-12-05 12:20:12
End at: 2017-12-05 12:20:42
Local clock offset: 0.424 ms
Remote clock offset: -0.362 ms

Below is generated by plot.py at 2017-12-05 16:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 23.975 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.20 Mbit/s
95th percentile per-packet one-way delay: 23.975 ms
Loss rate: 0.26%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2017-12-05 12:38:42

End at: 2017-12-05 12:39:12

Local clock offset: 0.391 ms

Remote clock offset: -0.885 ms

Below is generated by plot.py at 2017-12-05 16:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.989 ms

Loss rate: 0.13%

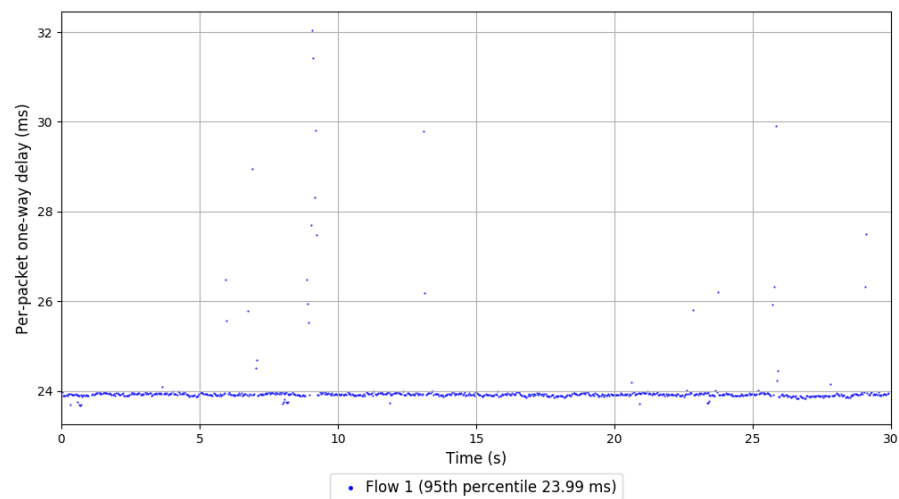
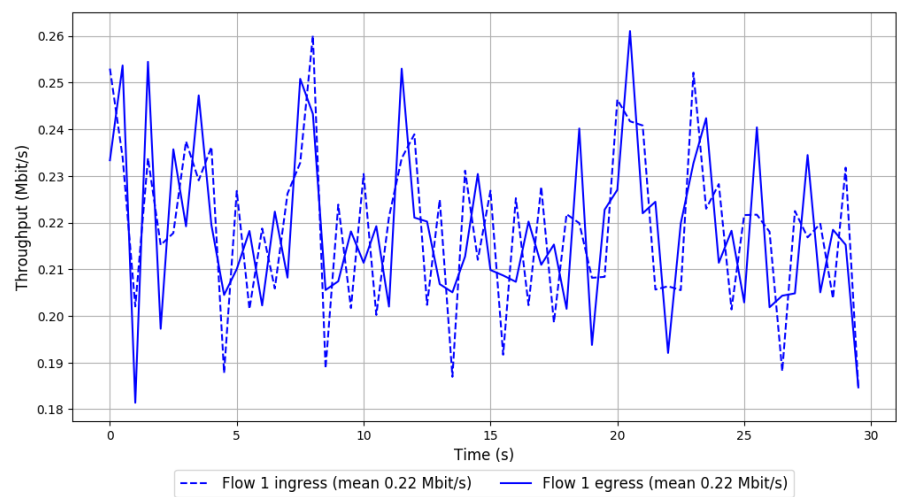
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 23.989 ms

Loss rate: 0.13%

Run 10: Report of SReAM — Data Link

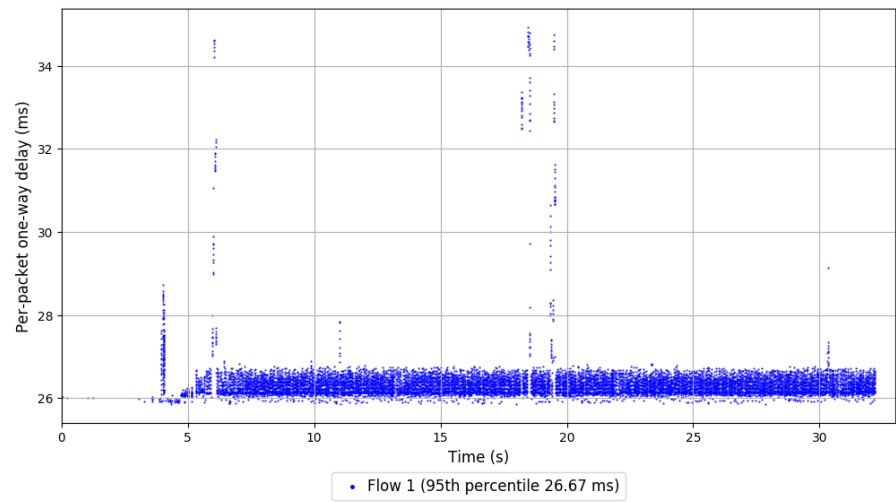
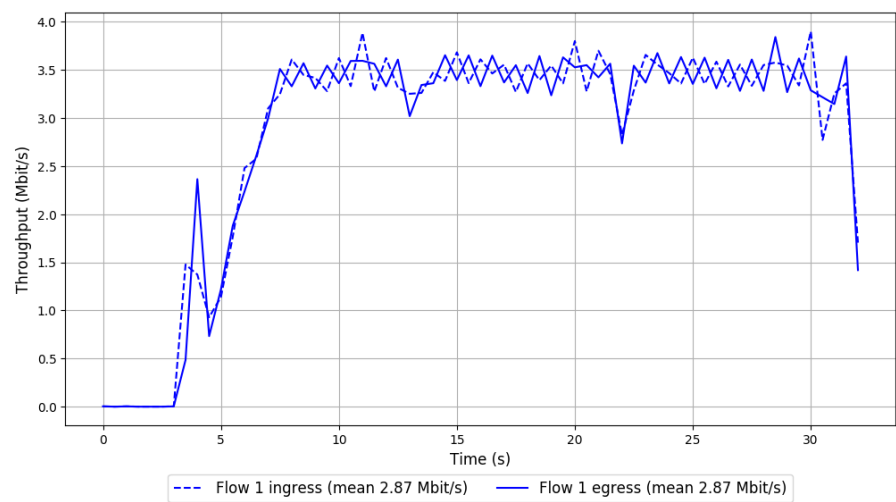


```
Run 1: Statistics of WebRTC media

Start at: 2017-12-05 09:55:56
End at: 2017-12-05 09:56:26
Local clock offset: 1.123 ms
Remote clock offset: -2.129 ms

# Below is generated by plot.py at 2017-12-05 16:15:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.87 Mbit/s
95th percentile per-packet one-way delay: 26.672 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 2.87 Mbit/s
95th percentile per-packet one-way delay: 26.672 ms
Loss rate: 0.24%
```


Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2017-12-05 10:14:35

End at: 2017-12-05 10:15:05

Local clock offset: 1.17 ms

Remote clock offset: 0.618 ms

Below is generated by plot.py at 2017-12-05 16:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 25.635 ms

Loss rate: 0.15%

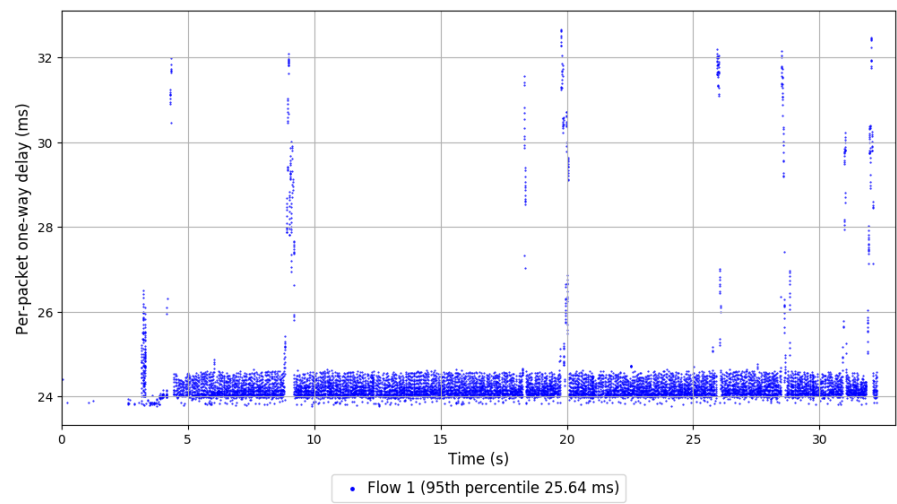
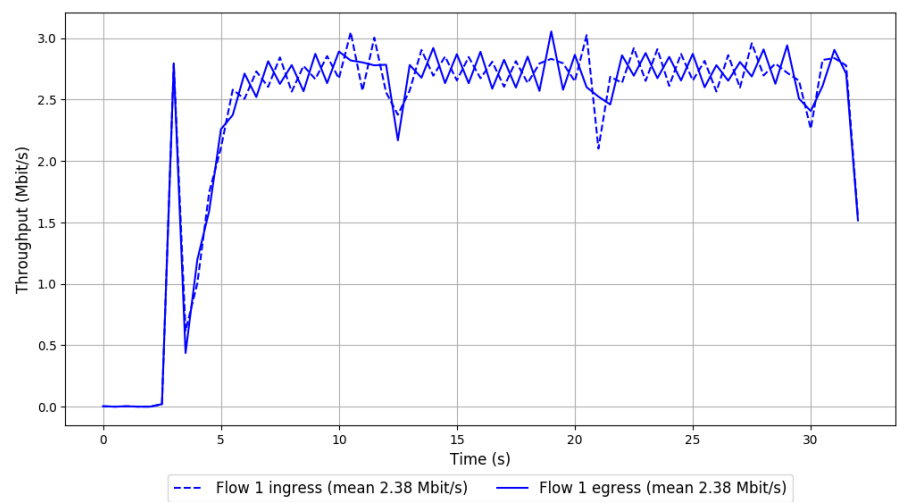
-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 25.635 ms

Loss rate: 0.15%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2017-12-05 10:33:13

End at: 2017-12-05 10:33:43

Local clock offset: 1.105 ms

Remote clock offset: 1.21 ms

Below is generated by plot.py at 2017-12-05 16:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 24.436 ms

Loss rate: 0.14%

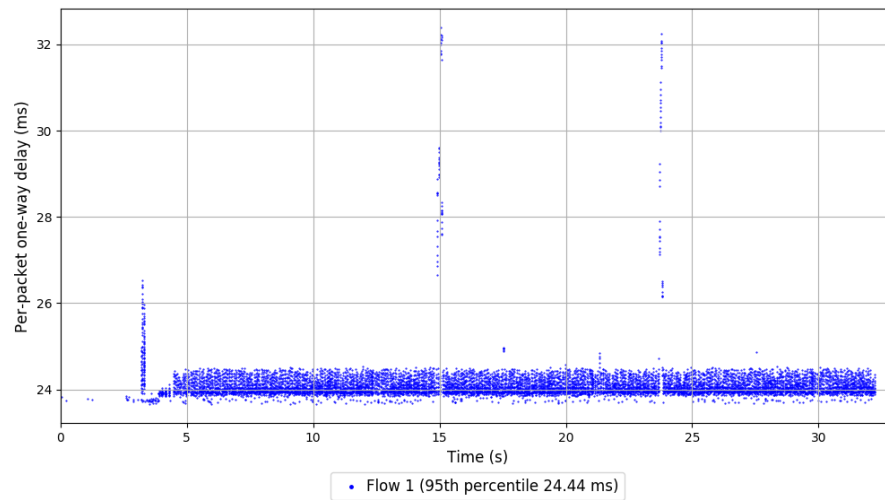
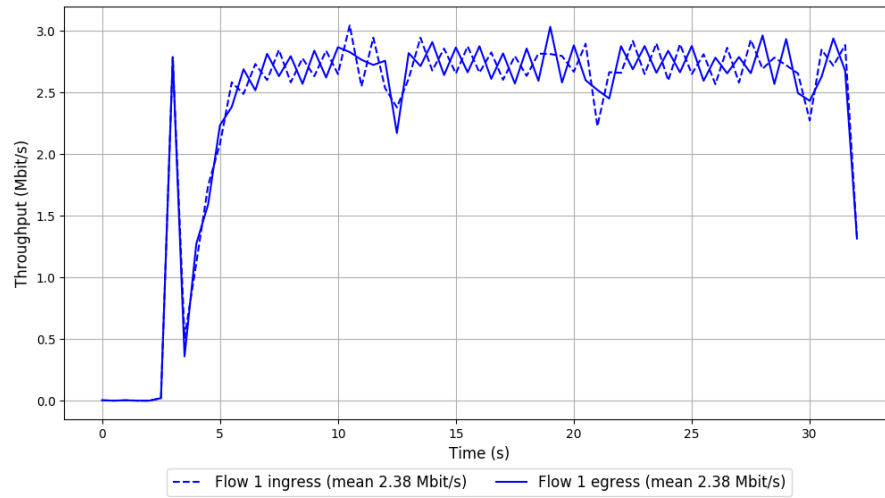
-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 24.436 ms

Loss rate: 0.14%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2017-12-05 10:51:46

End at: 2017-12-05 10:52:16

Local clock offset: 1.096 ms

Remote clock offset: -0.42 ms

Below is generated by plot.py at 2017-12-05 16:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.85 Mbit/s

95th percentile per-packet one-way delay: 26.588 ms

Loss rate: 0.28%

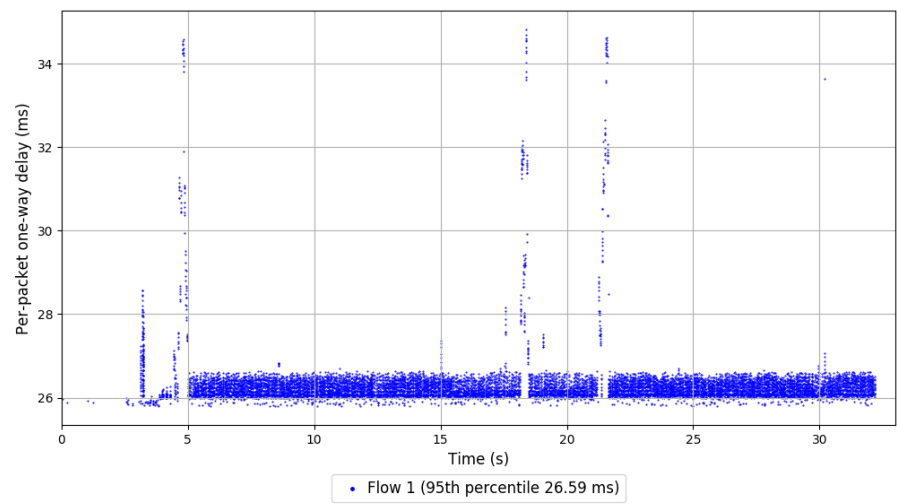
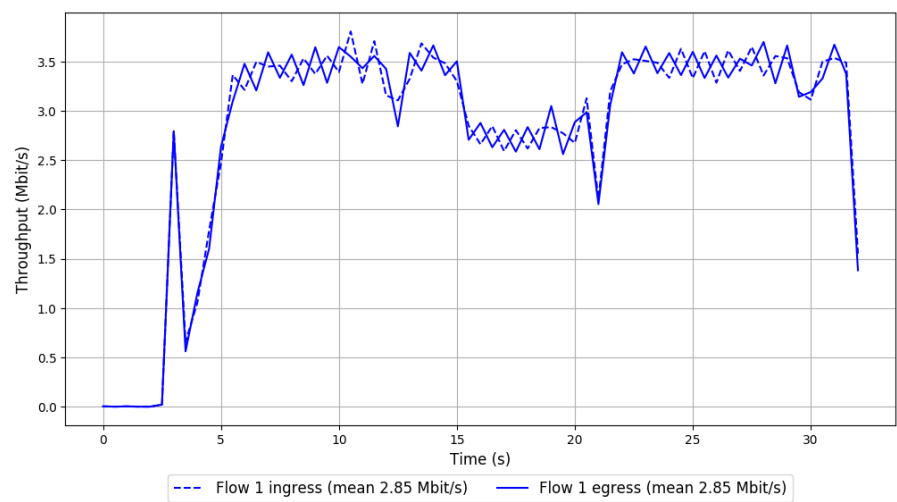
-- Flow 1:

Average throughput: 2.85 Mbit/s

95th percentile per-packet one-way delay: 26.588 ms

Loss rate: 0.28%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-12-05 11:10:24

End at: 2017-12-05 11:10:54

Local clock offset: 1.098 ms

Remote clock offset: 2.171 ms

Below is generated by plot.py at 2017-12-05 16:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.71 Mbit/s

95th percentile per-packet one-way delay: 24.501 ms

Loss rate: 0.18%

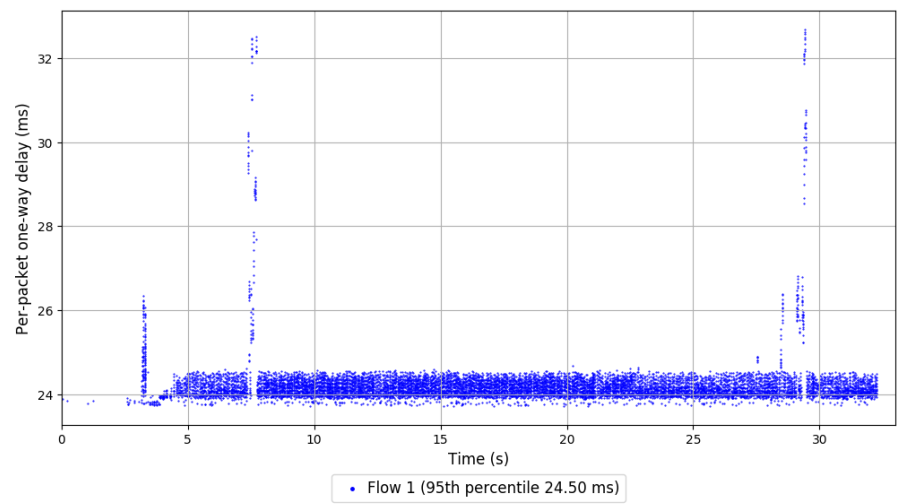
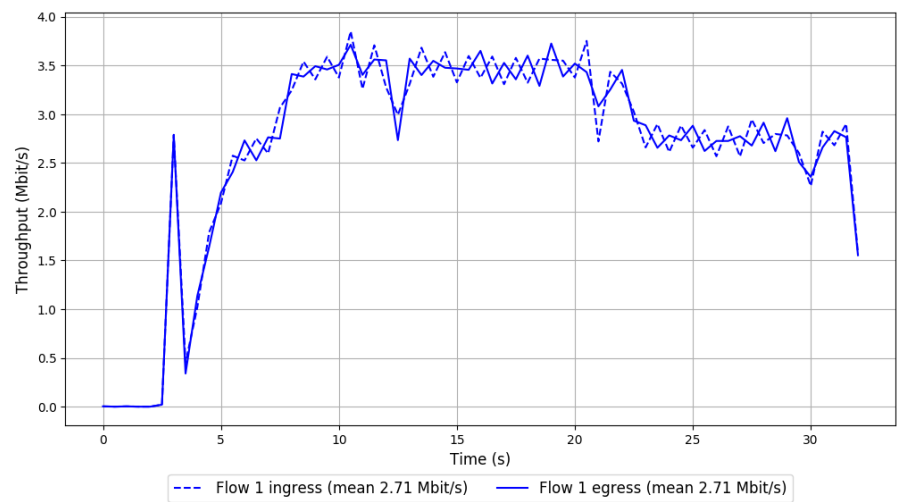
-- Flow 1:

Average throughput: 2.71 Mbit/s

95th percentile per-packet one-way delay: 24.501 ms

Loss rate: 0.18%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2017-12-05 11:29:12

End at: 2017-12-05 11:29:42

Local clock offset: 0.869 ms

Remote clock offset: 2.133 ms

Below is generated by plot.py at 2017-12-05 16:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.81 Mbit/s

95th percentile per-packet one-way delay: 24.804 ms

Loss rate: 0.34%

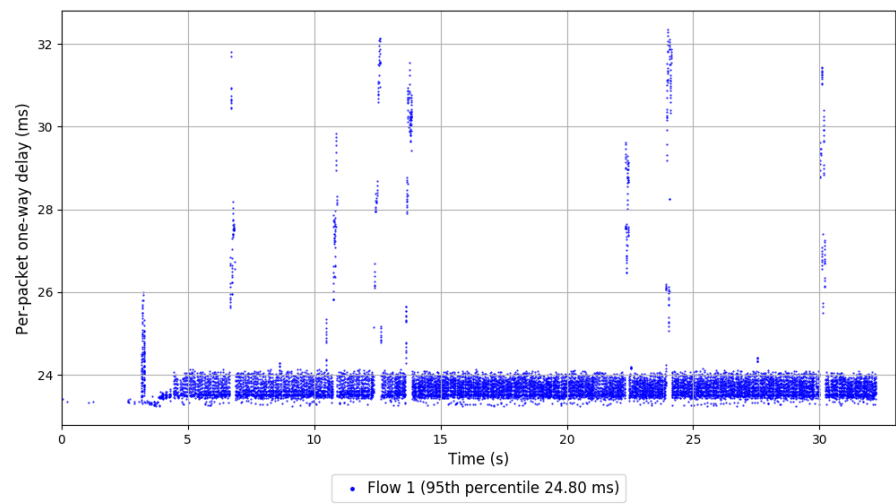
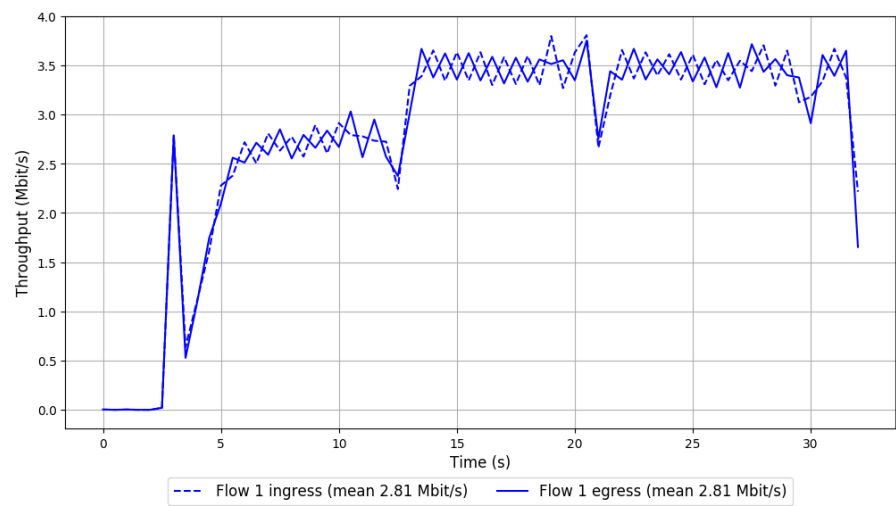
-- Flow 1:

Average throughput: 2.81 Mbit/s

95th percentile per-packet one-way delay: 24.804 ms

Loss rate: 0.34%

Run 6: Report of WebRTC media — Data Link

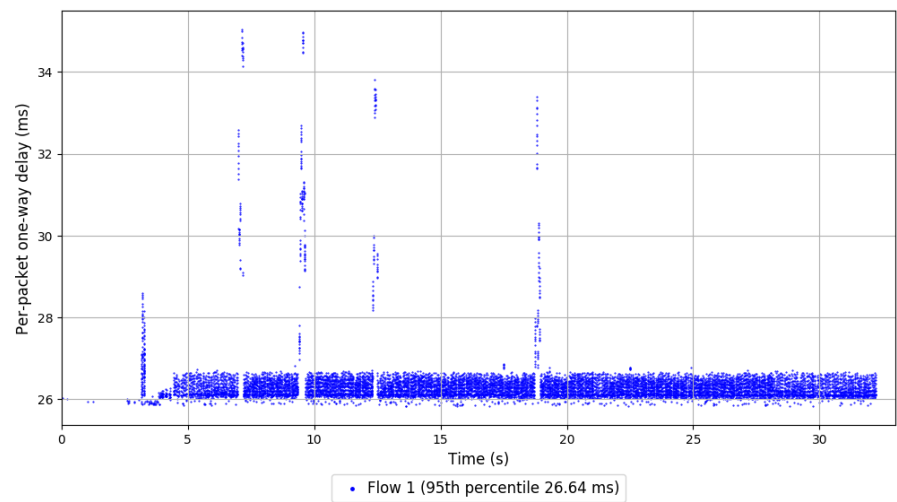
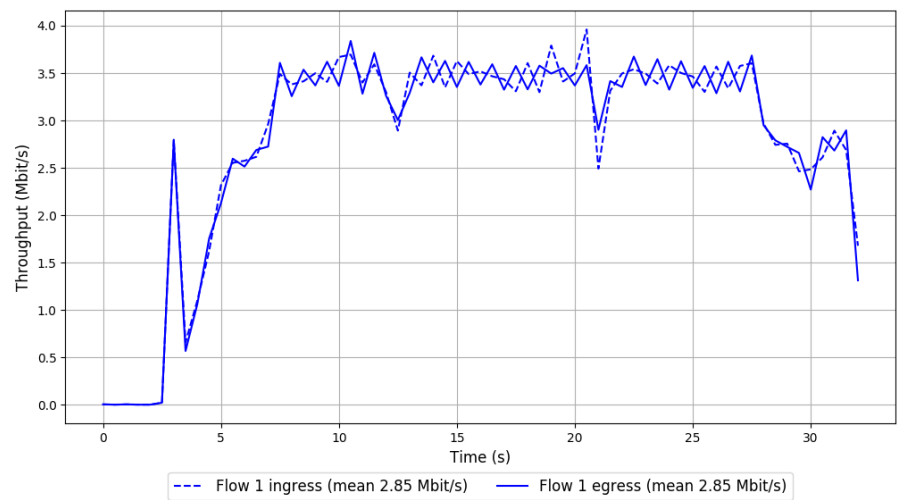


Run 7: Statistics of WebRTC media

Start at: 2017-12-05 11:47:49
End at: 2017-12-05 11:48:19
Local clock offset: 0.677 ms
Remote clock offset: -0.494 ms

Below is generated by plot.py at 2017-12-05 16:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: 26.635 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: 26.635 ms
Loss rate: 0.29%

Run 7: Report of WebRTC media — Data Link

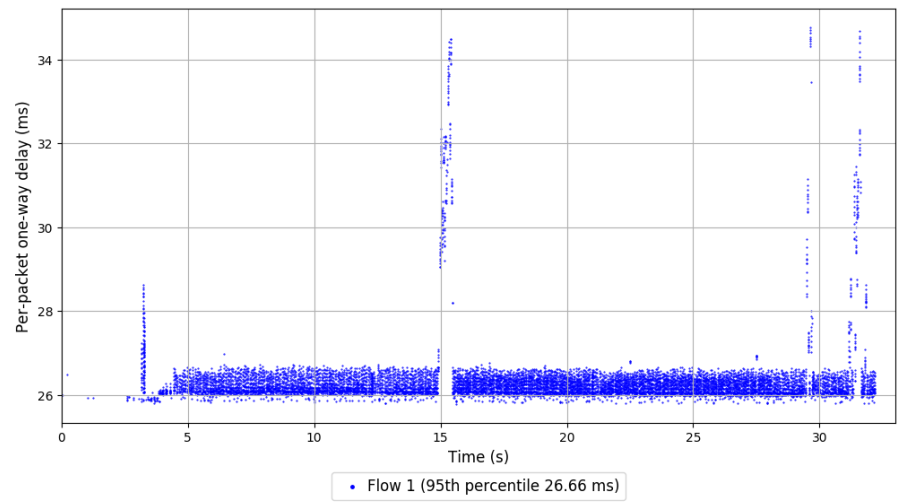
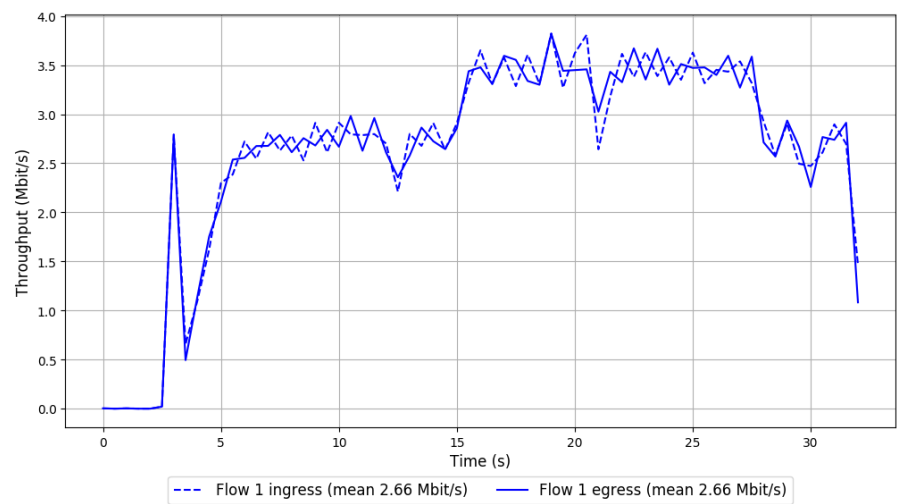


Run 8: Statistics of WebRTC media

Start at: 2017-12-05 12:06:40
End at: 2017-12-05 12:07:10
Local clock offset: 0.479 ms
Remote clock offset: -1.492 ms

Below is generated by plot.py at 2017-12-05 16:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 26.662 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 2.66 Mbit/s
95th percentile per-packet one-way delay: 26.662 ms
Loss rate: 0.26%

Run 8: Report of WebRTC media — Data Link

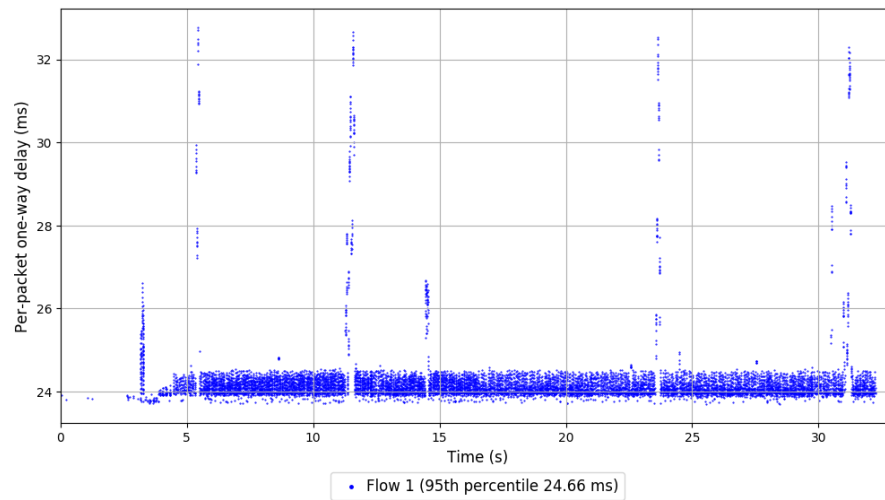
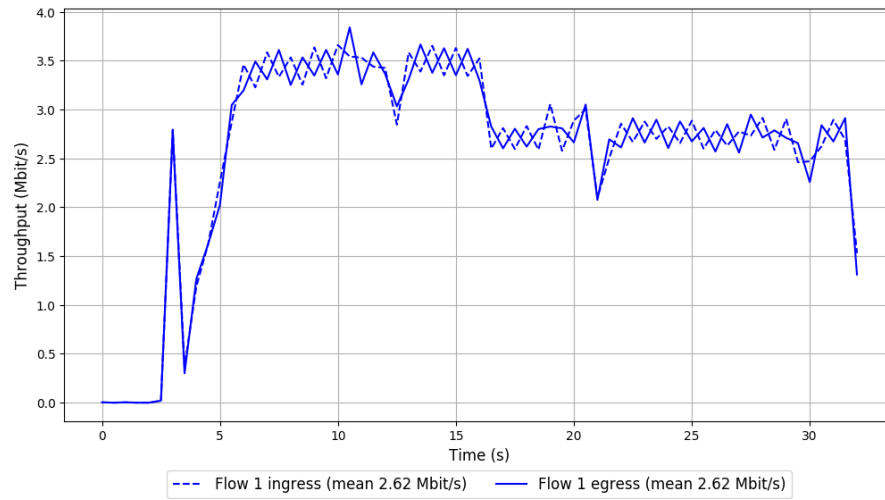


Run 9: Statistics of WebRTC media

Start at: 2017-12-05 12:25:25
End at: 2017-12-05 12:25:55
Local clock offset: 0.41 ms
Remote clock offset: -0.696 ms

Below is generated by plot.py at 2017-12-05 16:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 24.660 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 24.660 ms
Loss rate: 0.18%

Run 9: Report of WebRTC media — Data Link

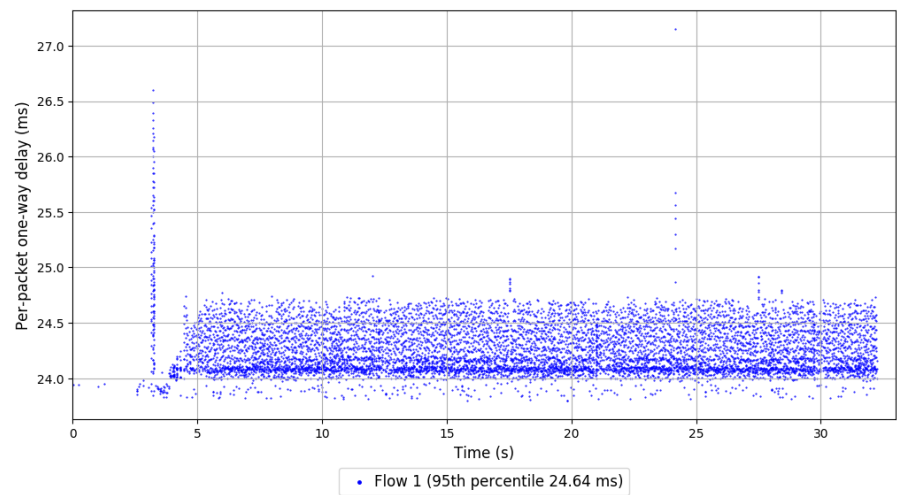
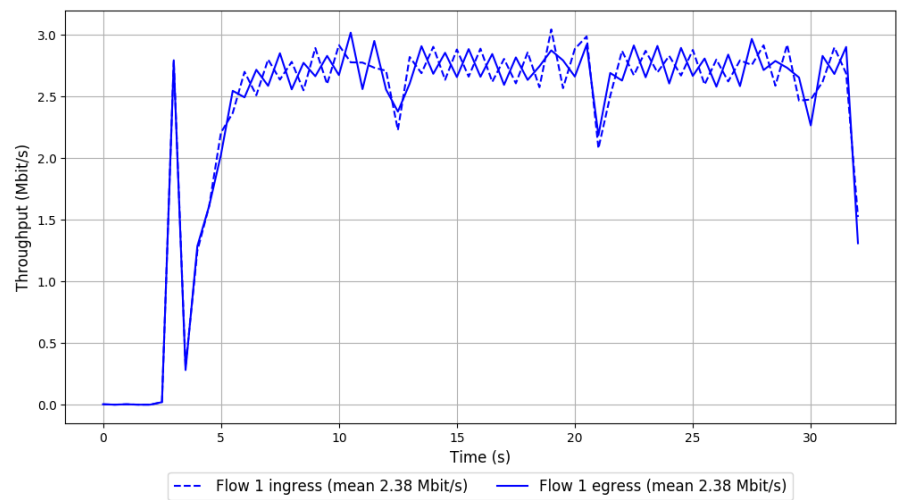


Run 10: Statistics of WebRTC media

Start at: 2017-12-05 12:43:55
End at: 2017-12-05 12:44:25
Local clock offset: 0.39 ms
Remote clock offset: -1.052 ms

Below is generated by plot.py at 2017-12-05 16:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 24.638 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 24.638 ms
Loss rate: 0.14%

Run 10: Report of WebRTC media — Data Link

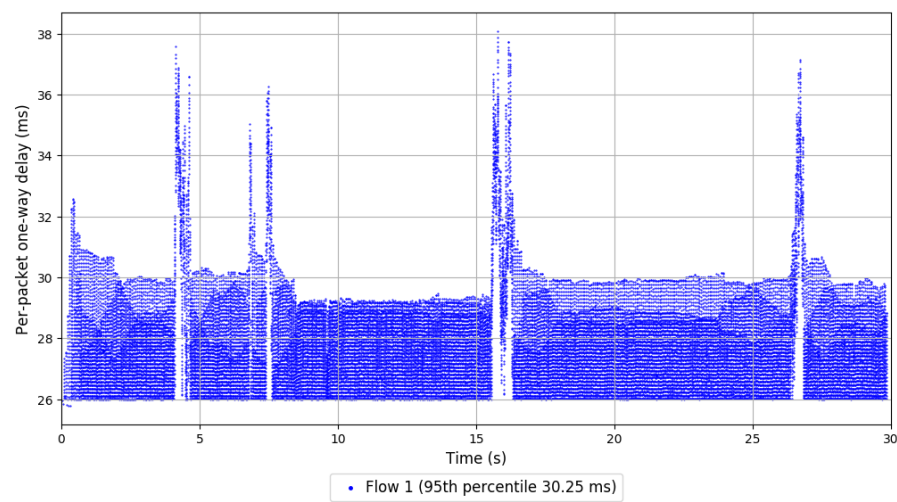
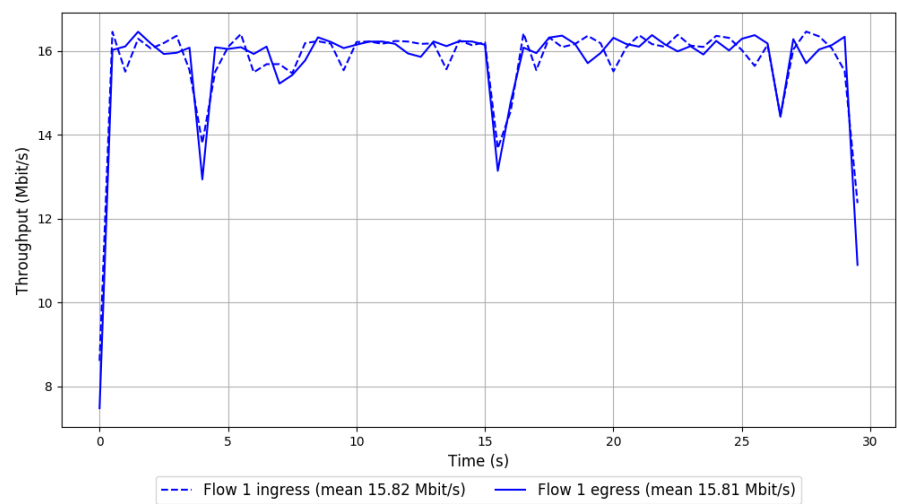


Run 1: Statistics of Sprout

Start at: 2017-12-05 09:51:57
End at: 2017-12-05 09:52:27
Local clock offset: 1.036 ms
Remote clock offset: -2.152 ms

Below is generated by plot.py at 2017-12-05 16:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 30.250 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 30.250 ms
Loss rate: 0.24%

Run 1: Report of Sprout — Data Link

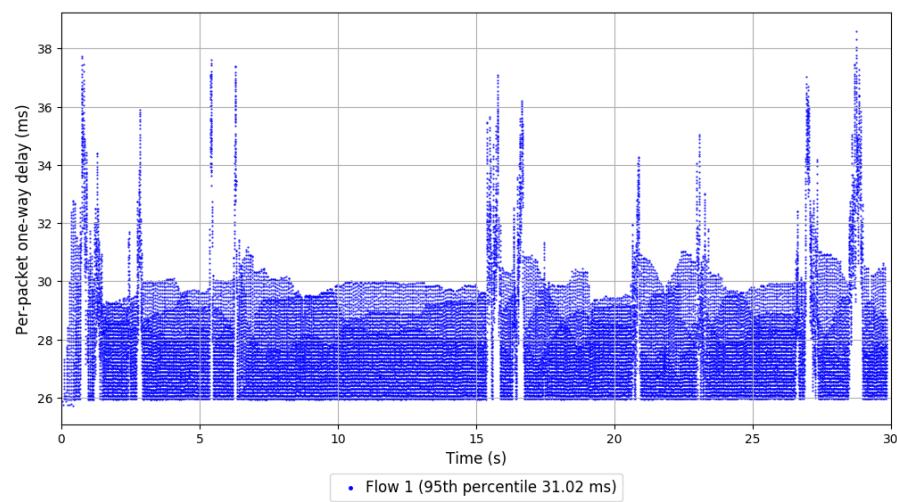
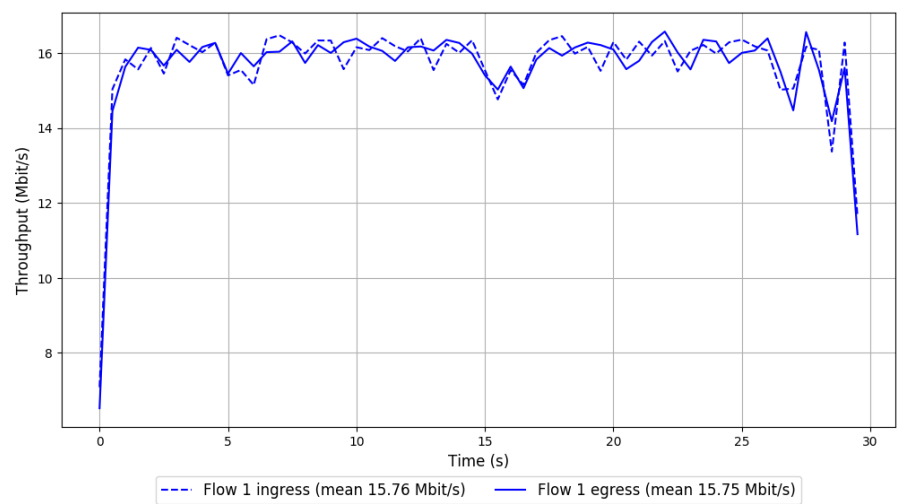


Run 2: Statistics of Sprout

Start at: 2017-12-05 10:10:37
End at: 2017-12-05 10:11:07
Local clock offset: 1.045 ms
Remote clock offset: -1.593 ms

Below is generated by plot.py at 2017-12-05 16:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.75 Mbit/s
95th percentile per-packet one-way delay: 31.024 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 15.75 Mbit/s
95th percentile per-packet one-way delay: 31.024 ms
Loss rate: 0.20%

Run 2: Report of Sprout — Data Link

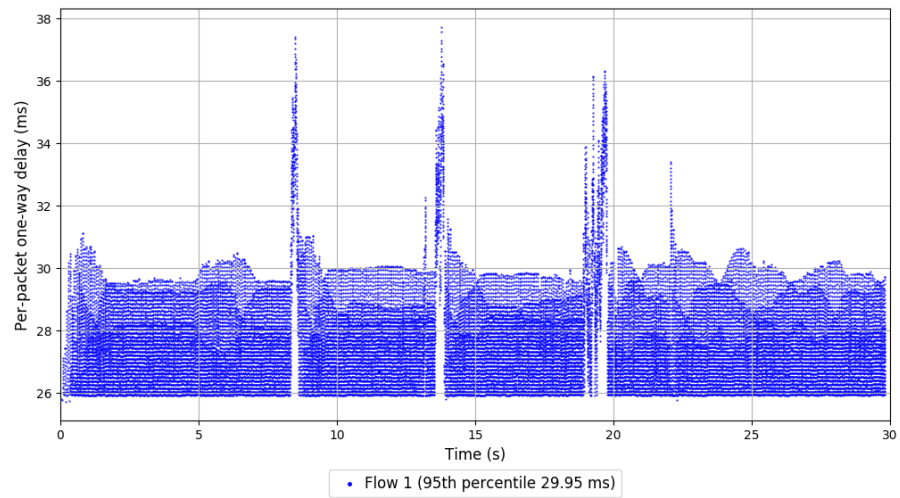
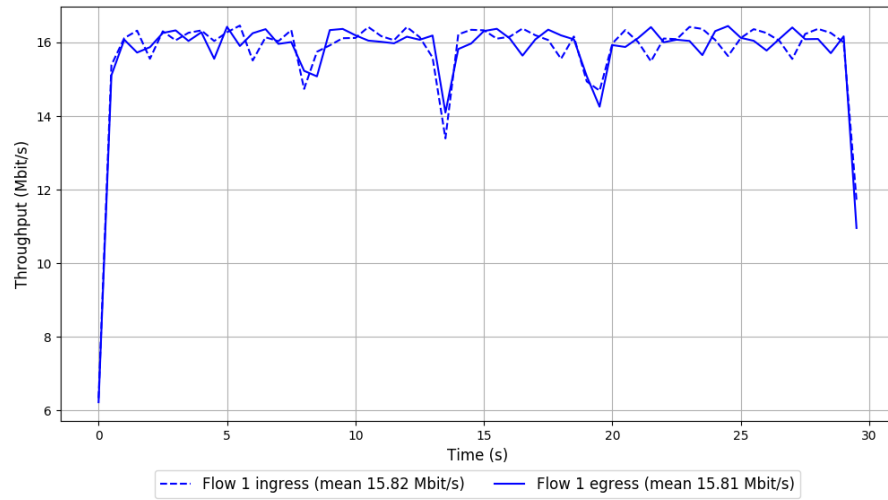


Run 3: Statistics of Sprout

Start at: 2017-12-05 10:29:10
End at: 2017-12-05 10:29:40
Local clock offset: 1.089 ms
Remote clock offset: -0.858 ms

Below is generated by plot.py at 2017-12-05 16:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 29.954 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 15.81 Mbit/s
95th percentile per-packet one-way delay: 29.954 ms
Loss rate: 0.22%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2017-12-05 10:47:48

End at: 2017-12-05 10:48:18

Local clock offset: 1.113 ms

Remote clock offset: 1.64 ms

Below is generated by plot.py at 2017-12-05 16:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.93 Mbit/s

95th percentile per-packet one-way delay: 27.453 ms

Loss rate: 0.22%

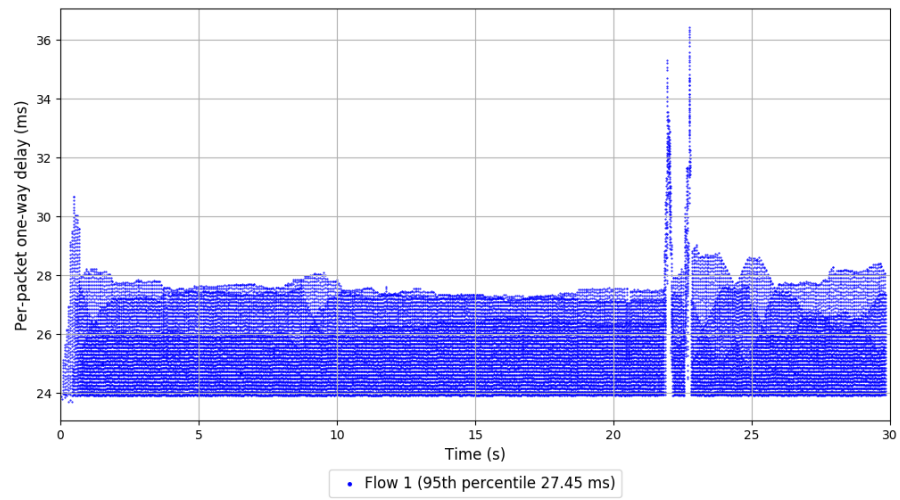
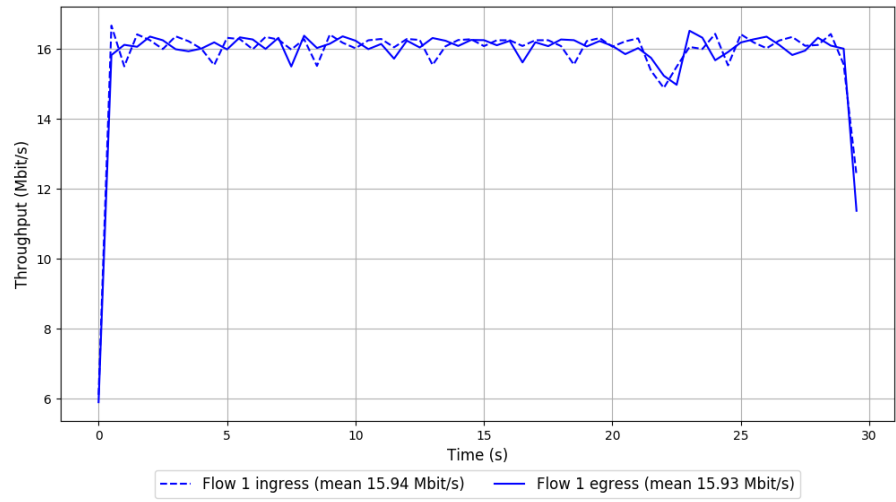
-- Flow 1:

Average throughput: 15.93 Mbit/s

95th percentile per-packet one-way delay: 27.453 ms

Loss rate: 0.22%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2017-12-05 11:06:28

End at: 2017-12-05 11:06:58

Local clock offset: 1.077 ms

Remote clock offset: 0.067 ms

Below is generated by plot.py at 2017-12-05 16:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.78 Mbit/s

95th percentile per-packet one-way delay: 30.407 ms

Loss rate: 0.18%

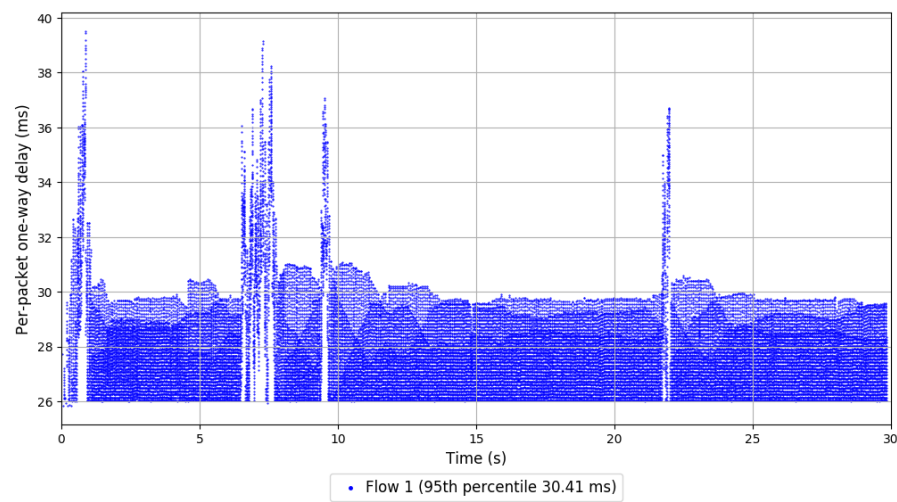
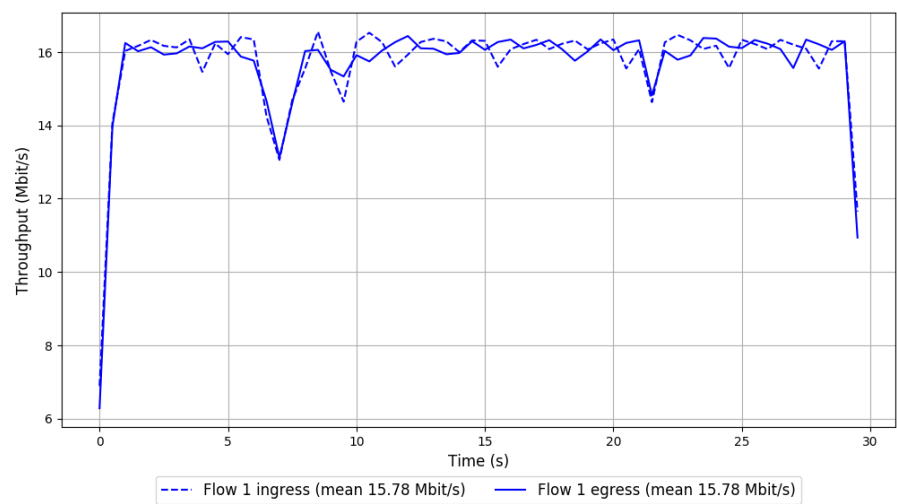
-- Flow 1:

Average throughput: 15.78 Mbit/s

95th percentile per-packet one-way delay: 30.407 ms

Loss rate: 0.18%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2017-12-05 11:25:16

End at: 2017-12-05 11:25:46

Local clock offset: 0.833 ms

Remote clock offset: 1.667 ms

Below is generated by plot.py at 2017-12-05 16:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.93 Mbit/s

95th percentile per-packet one-way delay: 27.551 ms

Loss rate: 0.17%

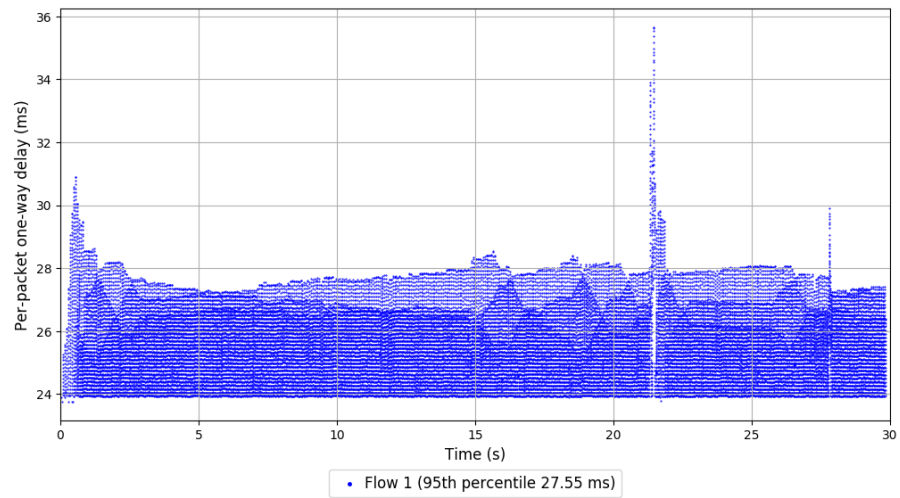
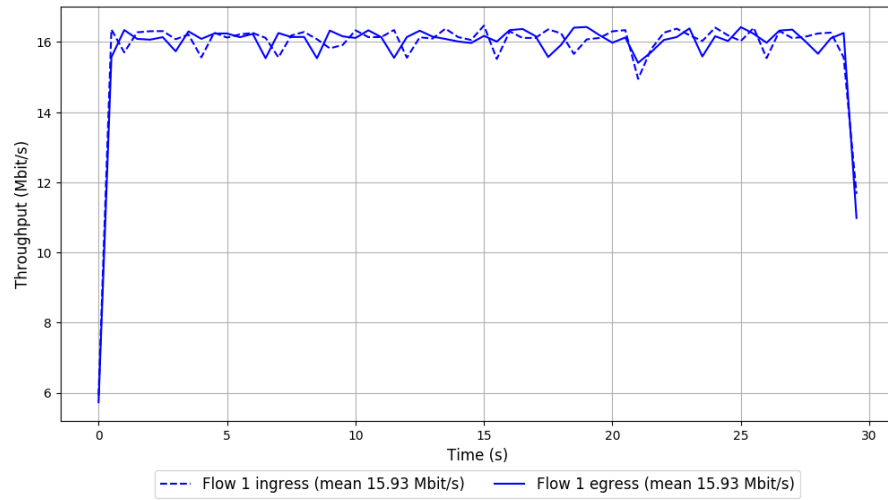
-- Flow 1:

Average throughput: 15.93 Mbit/s

95th percentile per-packet one-way delay: 27.551 ms

Loss rate: 0.17%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2017-12-05 11:43:52

End at: 2017-12-05 11:44:22

Local clock offset: 0.693 ms

Remote clock offset: 1.706 ms

Below is generated by plot.py at 2017-12-05 16:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.96 Mbit/s

95th percentile per-packet one-way delay: 27.379 ms

Loss rate: 0.20%

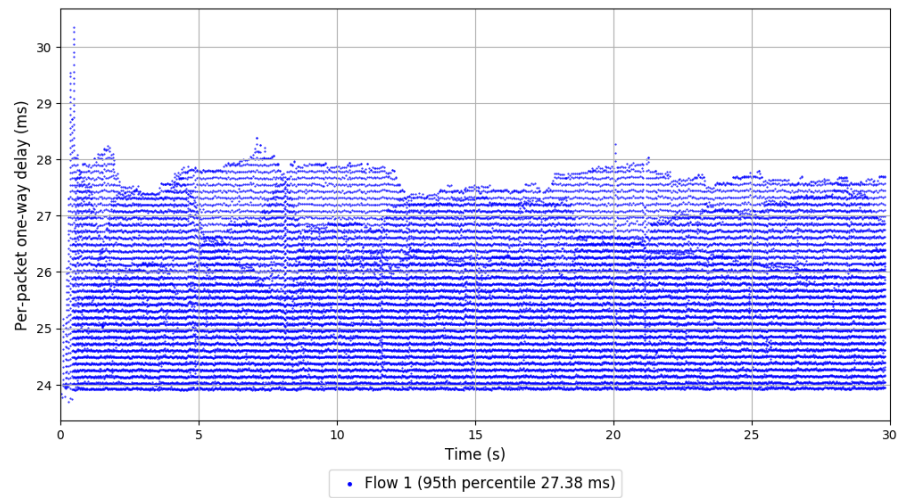
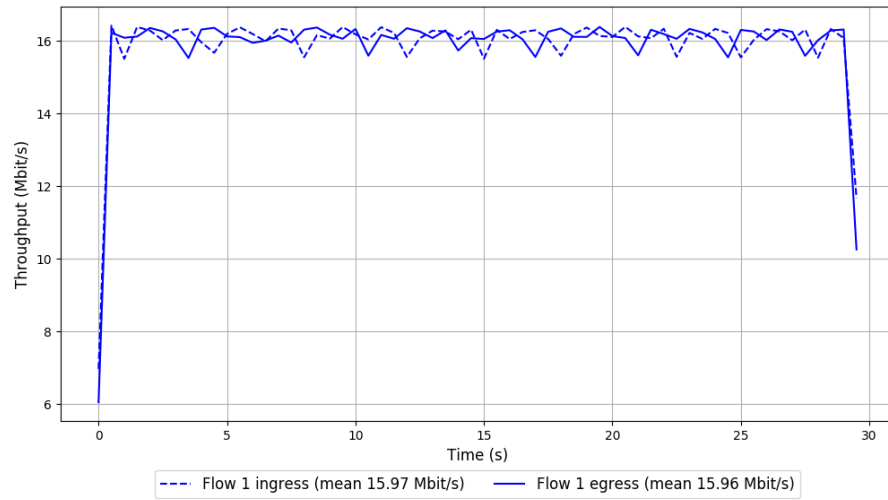
-- Flow 1:

Average throughput: 15.96 Mbit/s

95th percentile per-packet one-way delay: 27.379 ms

Loss rate: 0.20%

Run 7: Report of Sprout — Data Link

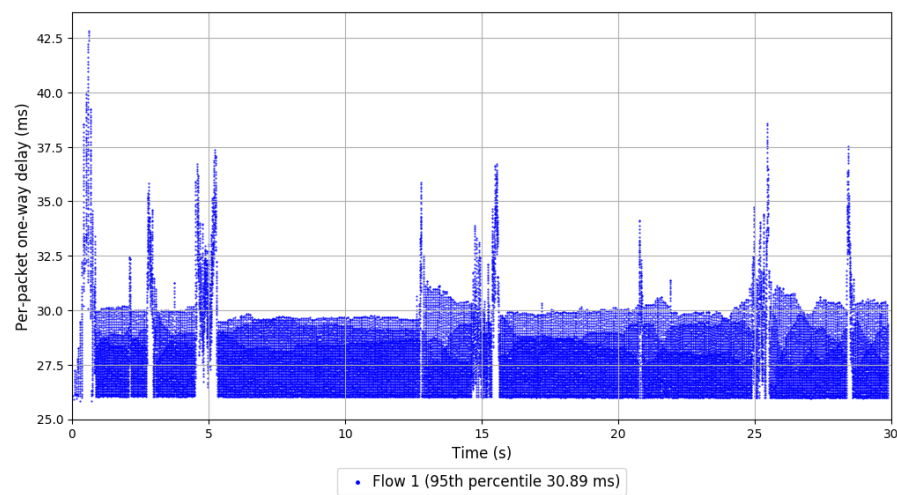
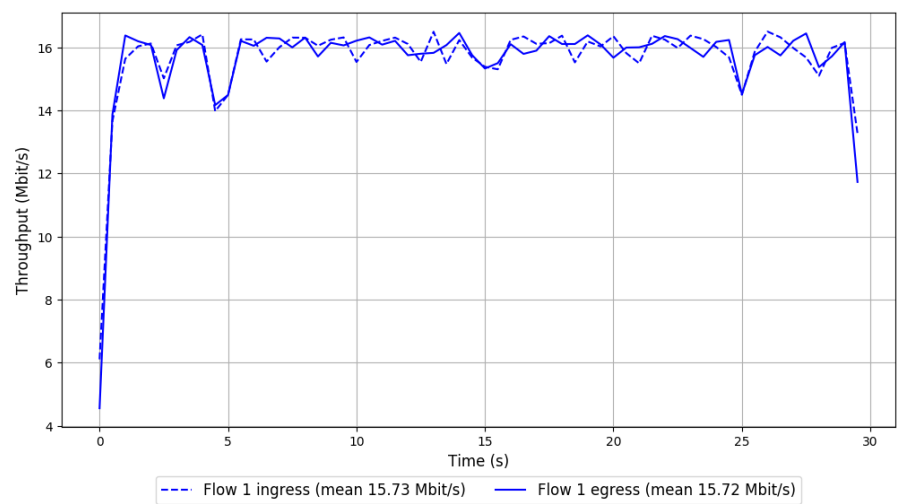


Run 8: Statistics of Sprout

Start at: 2017-12-05 12:02:43
End at: 2017-12-05 12:03:13
Local clock offset: 0.463 ms
Remote clock offset: -1.016 ms

Below is generated by plot.py at 2017-12-05 16:15:53
Datalink statistics
-- Total of 1 flow:
Average throughput: 15.72 Mbit/s
95th percentile per-packet one-way delay: 30.886 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 15.72 Mbit/s
95th percentile per-packet one-way delay: 30.886 ms
Loss rate: 0.25%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2017-12-05 12:21:28

End at: 2017-12-05 12:21:58

Local clock offset: 0.309 ms

Remote clock offset: 0.039 ms

Below is generated by plot.py at 2017-12-05 16:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.99 Mbit/s

95th percentile per-packet one-way delay: 26.779 ms

Loss rate: 0.20%

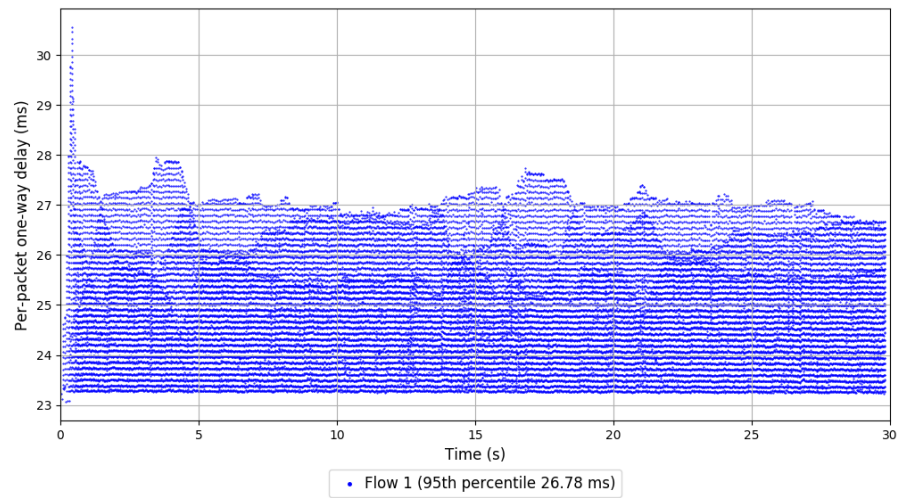
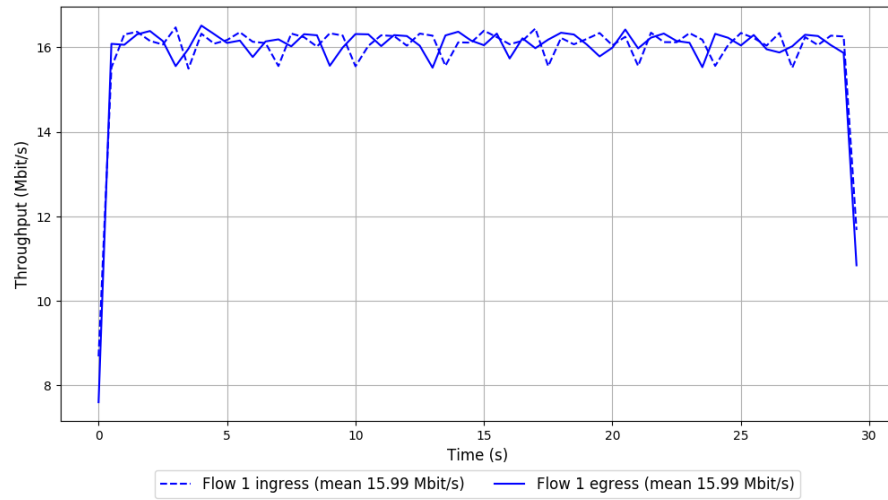
-- Flow 1:

Average throughput: 15.99 Mbit/s

95th percentile per-packet one-way delay: 26.779 ms

Loss rate: 0.20%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2017-12-05 12:39:58

End at: 2017-12-05 12:40:28

Local clock offset: 0.3 ms

Remote clock offset: -1.044 ms

Below is generated by plot.py at 2017-12-05 16:15:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.92 Mbit/s

95th percentile per-packet one-way delay: 27.476 ms

Loss rate: 0.20%

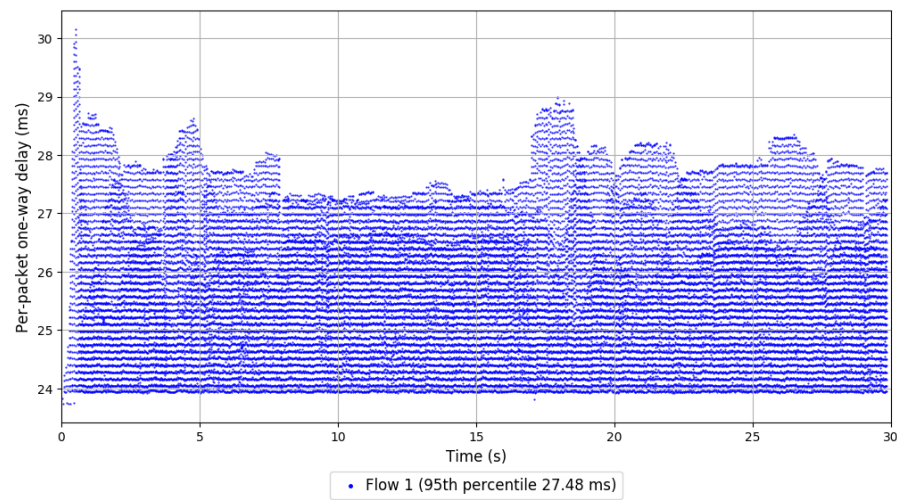
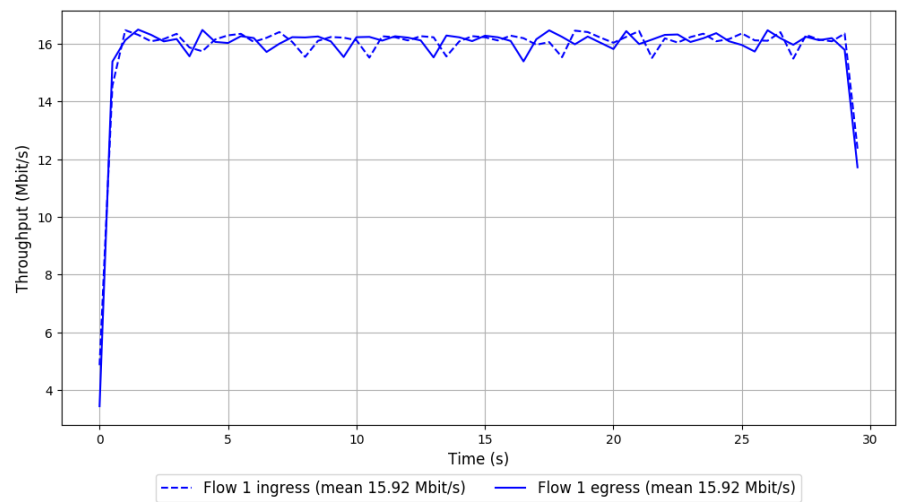
-- Flow 1:

Average throughput: 15.92 Mbit/s

95th percentile per-packet one-way delay: 27.476 ms

Loss rate: 0.20%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2017-12-05 09:53:14

End at: 2017-12-05 09:53:44

Local clock offset: 1.124 ms

Remote clock offset: -2.127 ms

Below is generated by plot.py at 2017-12-05 16:17:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.11 Mbit/s

95th percentile per-packet one-way delay: 36.262 ms

Loss rate: 0.39%

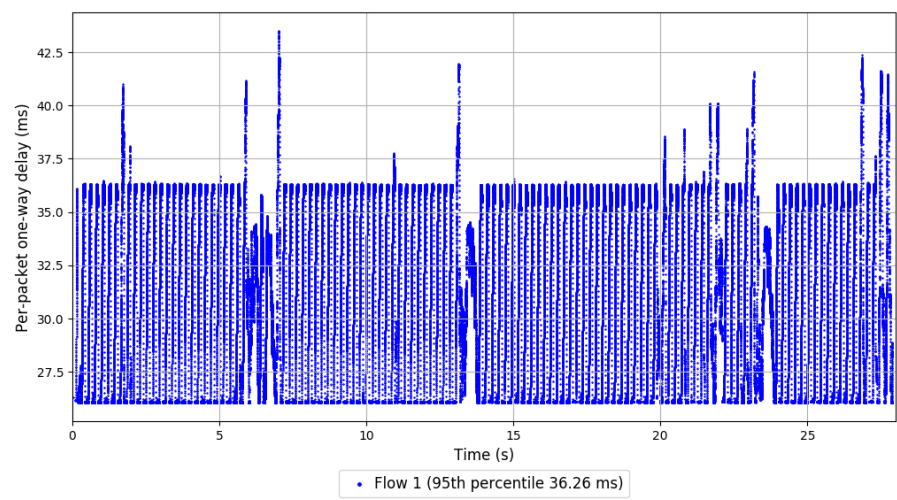
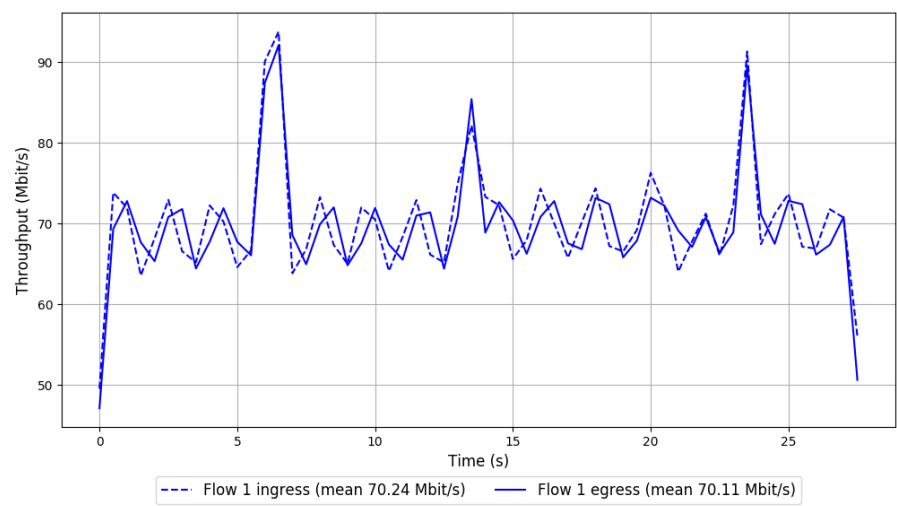
-- Flow 1:

Average throughput: 70.11 Mbit/s

95th percentile per-packet one-way delay: 36.262 ms

Loss rate: 0.39%

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



Run 2: Statistics of TaoVA-100x

Start at: 2017-12-05 10:11:54

End at: 2017-12-05 10:12:24

Local clock offset: 1.167 ms

Remote clock offset: -1.552 ms

Below is generated by plot.py at 2017-12-05 16:17:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.91 Mbit/s

95th percentile per-packet one-way delay: 36.238 ms

Loss rate: 0.41%

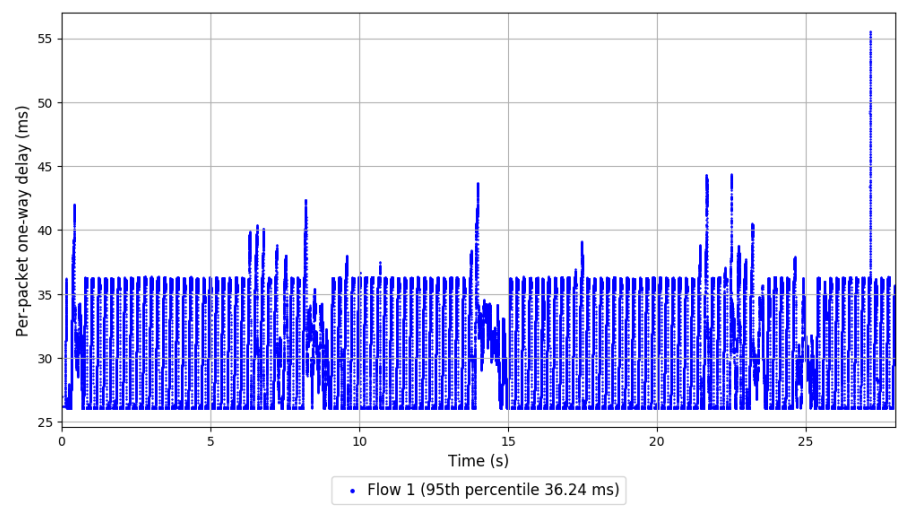
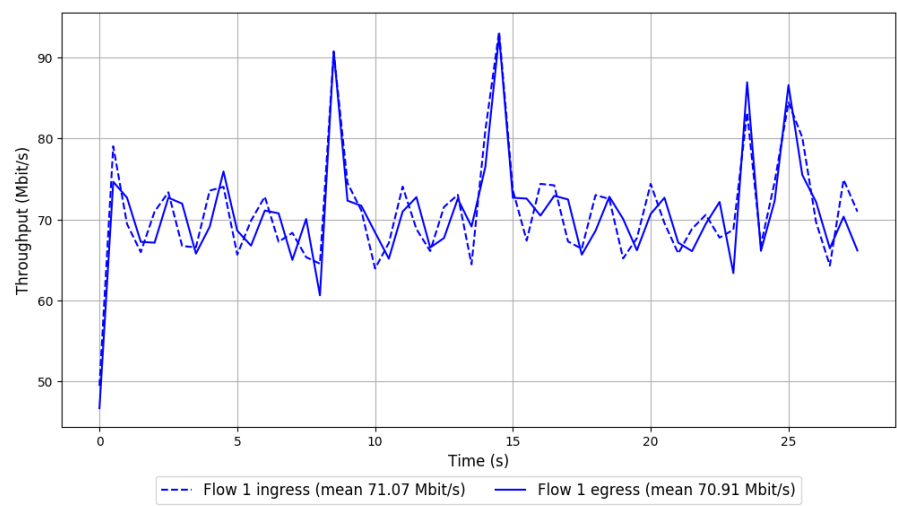
-- Flow 1:

Average throughput: 70.91 Mbit/s

95th percentile per-packet one-way delay: 36.238 ms

Loss rate: 0.41%

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

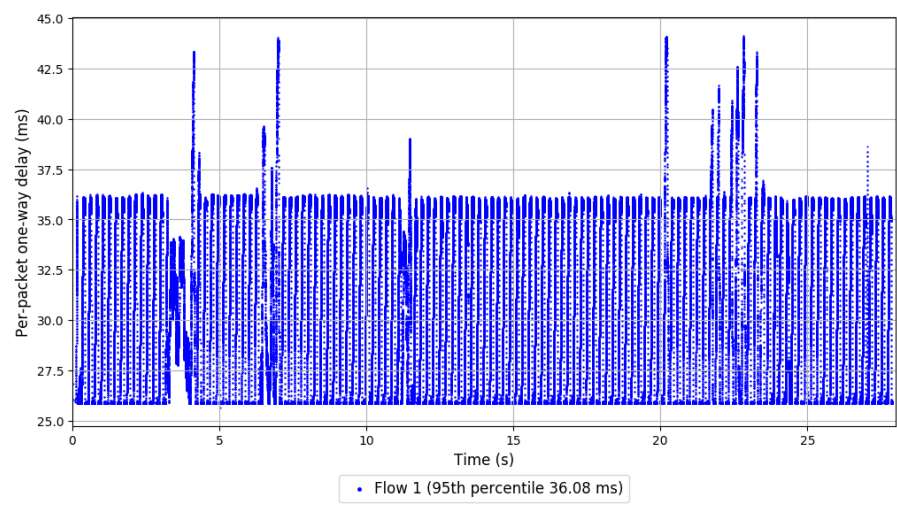
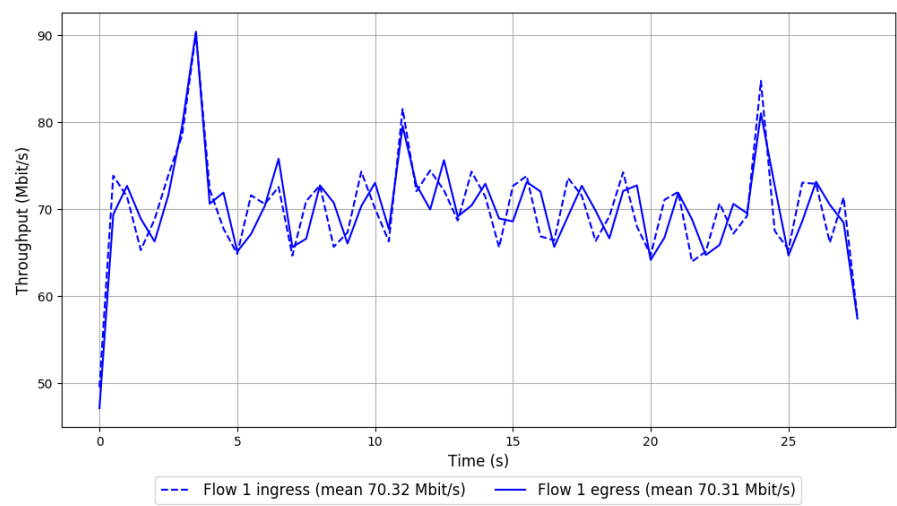


Run 3: Statistics of TaoVA-100x

Start at: 2017-12-05 10:30:27
End at: 2017-12-05 10:30:57
Local clock offset: 1.088 ms
Remote clock offset: -0.834 ms

Below is generated by plot.py at 2017-12-05 16:17:27
Datalink statistics
-- Total of 1 flow:
Average throughput: 70.31 Mbit/s
95th percentile per-packet one-way delay: 36.075 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 70.31 Mbit/s
95th percentile per-packet one-way delay: 36.075 ms
Loss rate: 0.21%

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



Run 4: Statistics of TaoVA-100x

Start at: 2017-12-05 10:49:04

End at: 2017-12-05 10:49:34

Local clock offset: 1.042 ms

Remote clock offset: -0.37 ms

Below is generated by plot.py at 2017-12-05 16:17:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.78 Mbit/s

95th percentile per-packet one-way delay: 35.963 ms

Loss rate: 0.37%

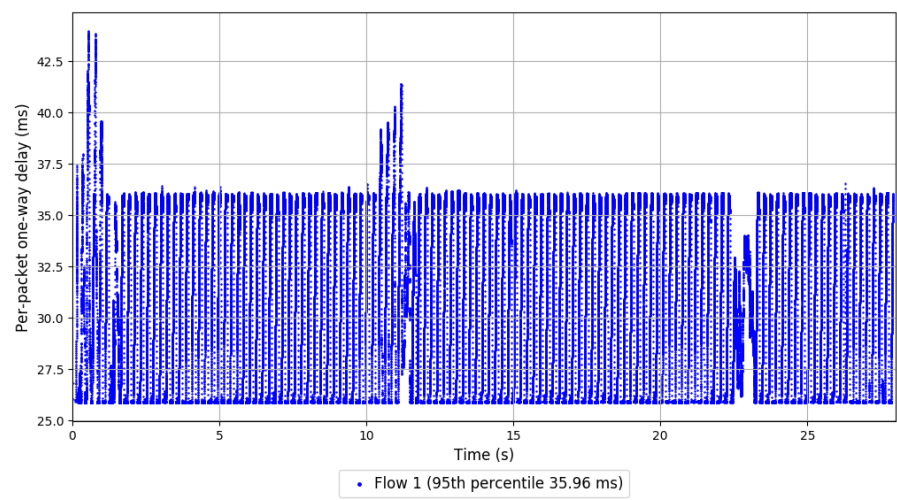
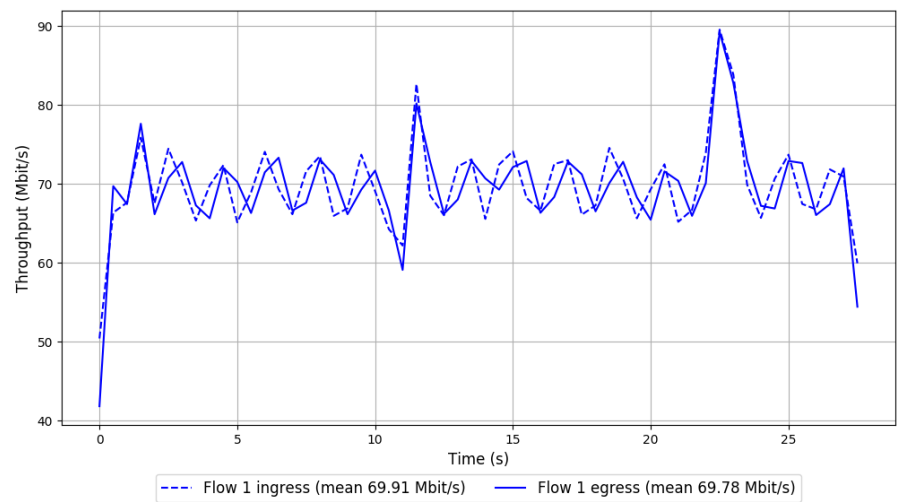
-- Flow 1:

Average throughput: 69.78 Mbit/s

95th percentile per-packet one-way delay: 35.963 ms

Loss rate: 0.37%

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



Run 5: Statistics of TaoVA-100x

Start at: 2017-12-05 11:07:44

End at: 2017-12-05 11:08:14

Local clock offset: 0.986 ms

Remote clock offset: 2.636 ms

Below is generated by plot.py at 2017-12-05 16:17:28

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.52 Mbit/s

95th percentile per-packet one-way delay: 33.492 ms

Loss rate: 0.16%

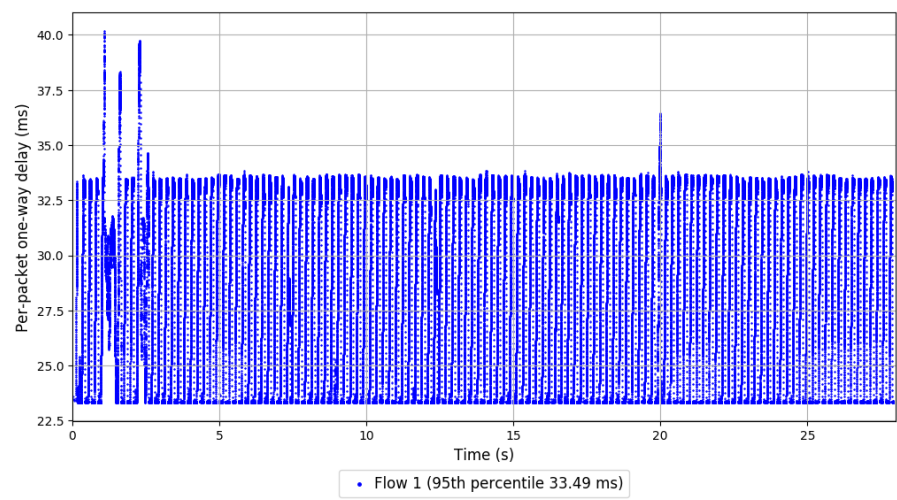
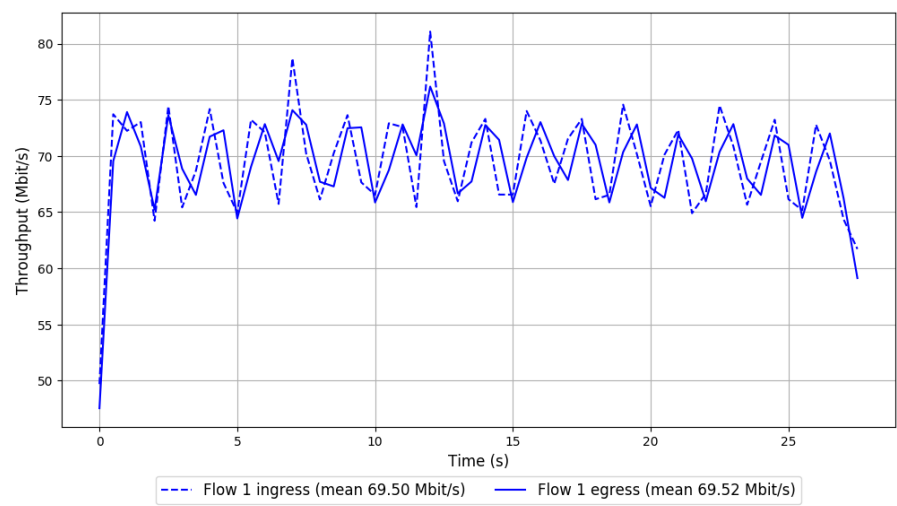
-- Flow 1:

Average throughput: 69.52 Mbit/s

95th percentile per-packet one-way delay: 33.492 ms

Loss rate: 0.16%

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



Run 6: Statistics of TaoVA-100x

Start at: 2017-12-05 11:26:32

End at: 2017-12-05 11:27:02

Local clock offset: 0.893 ms

Remote clock offset: -0.311 ms

Below is generated by plot.py at 2017-12-05 16:17:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.77 Mbit/s

95th percentile per-packet one-way delay: 36.751 ms

Loss rate: 0.37%

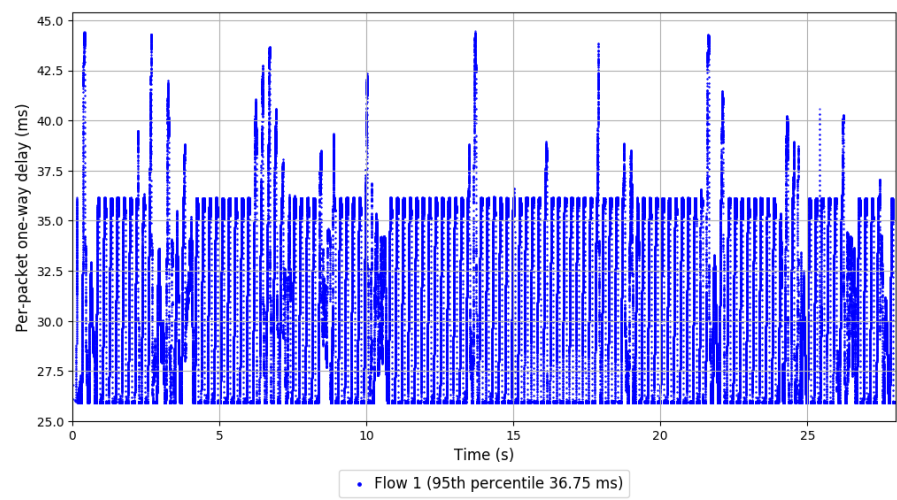
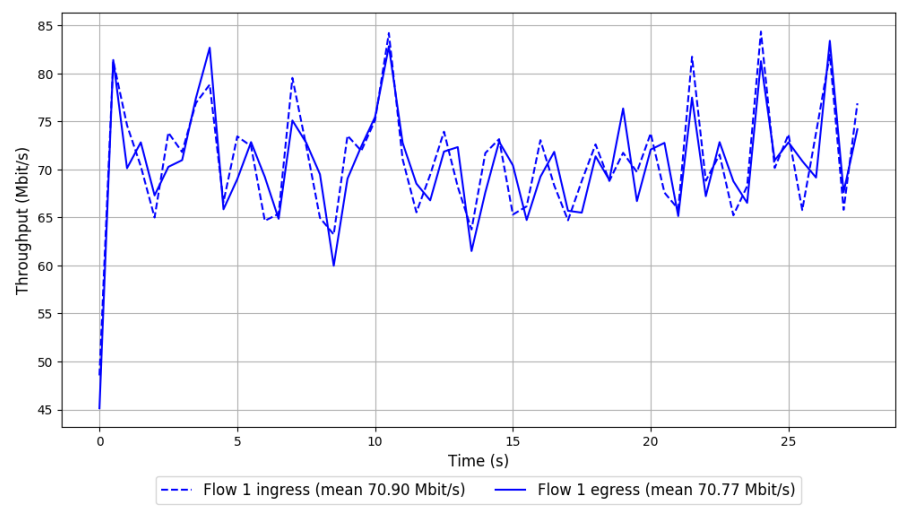
-- Flow 1:

Average throughput: 70.77 Mbit/s

95th percentile per-packet one-way delay: 36.751 ms

Loss rate: 0.37%

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



Run 7: Statistics of TaoVA-100x

Start at: 2017-12-05 11:45:08

End at: 2017-12-05 11:45:38

Local clock offset: 0.585 ms

Remote clock offset: 1.785 ms

Below is generated by plot.py at 2017-12-05 16:17:30

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.61 Mbit/s

95th percentile per-packet one-way delay: 33.848 ms

Loss rate: 0.32%

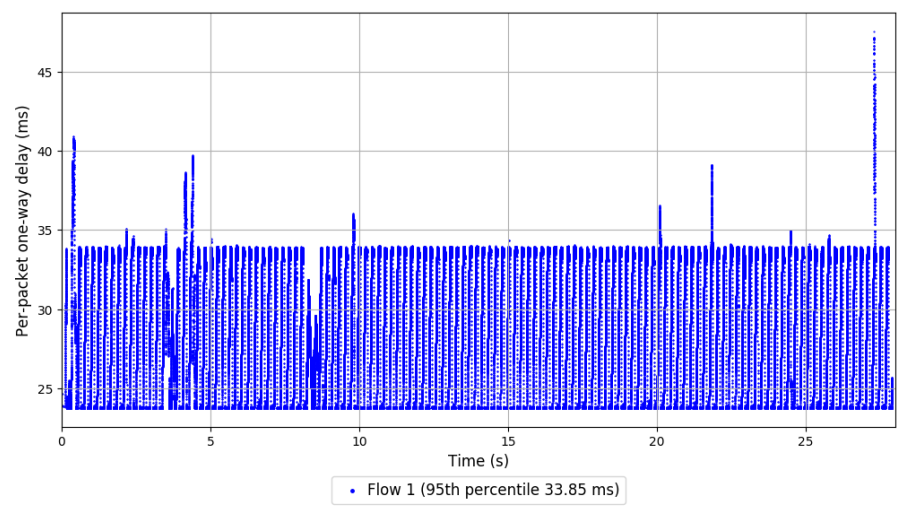
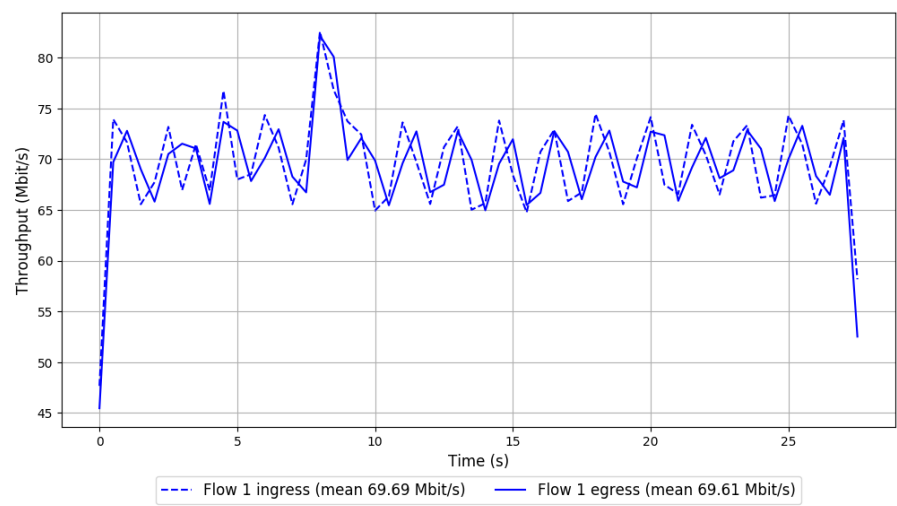
-- Flow 1:

Average throughput: 69.61 Mbit/s

95th percentile per-packet one-way delay: 33.848 ms

Loss rate: 0.32%

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



Run 8: Statistics of TaoVA-100x

Start at: 2017-12-05 12:03:59

End at: 2017-12-05 12:04:29

Local clock offset: 0.382 ms

Remote clock offset: 1.325 ms

Below is generated by plot.py at 2017-12-05 16:17:43

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.00 Mbit/s

95th percentile per-packet one-way delay: 33.561 ms

Loss rate: 0.29%

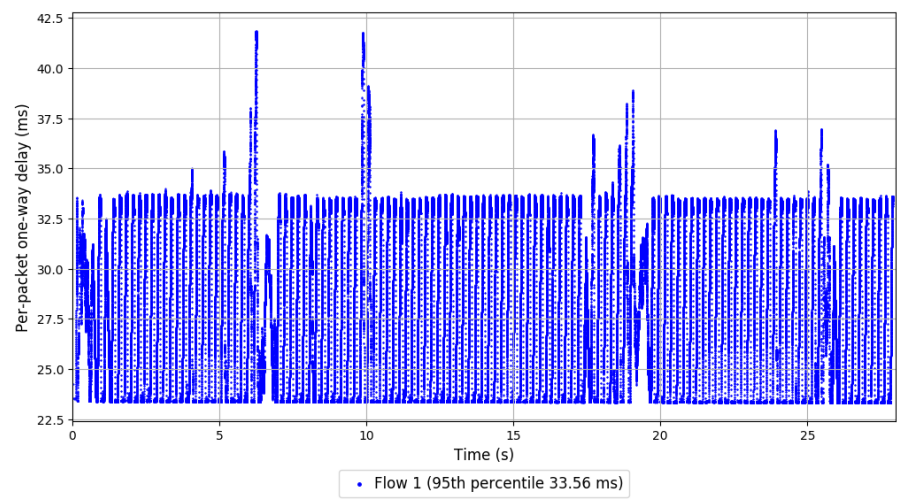
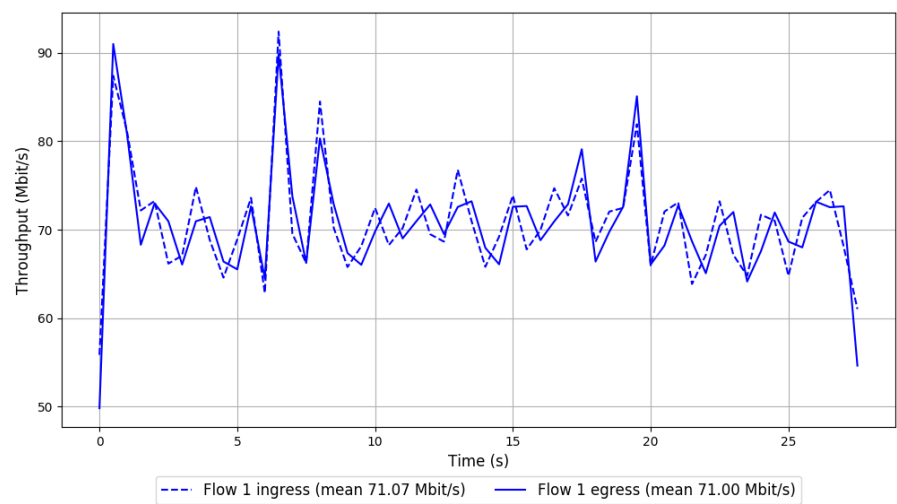
-- Flow 1:

Average throughput: 71.00 Mbit/s

95th percentile per-packet one-way delay: 33.561 ms

Loss rate: 0.29%

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



Run 9: Statistics of TaoVA-100x

Start at: 2017-12-05 12:22:44

End at: 2017-12-05 12:23:14

Local clock offset: 0.321 ms

Remote clock offset: -0.099 ms

Below is generated by plot.py at 2017-12-05 16:19:08

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.98 Mbit/s

95th percentile per-packet one-way delay: 33.466 ms

Loss rate: 0.25%

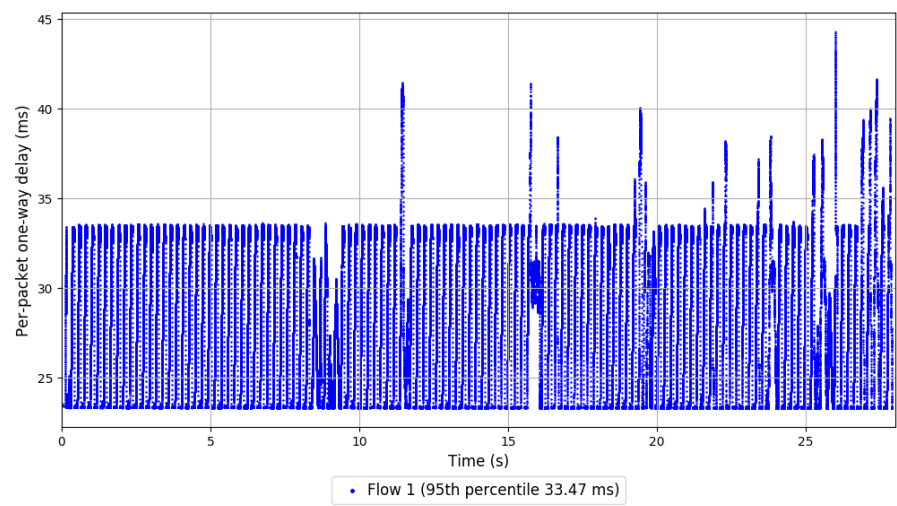
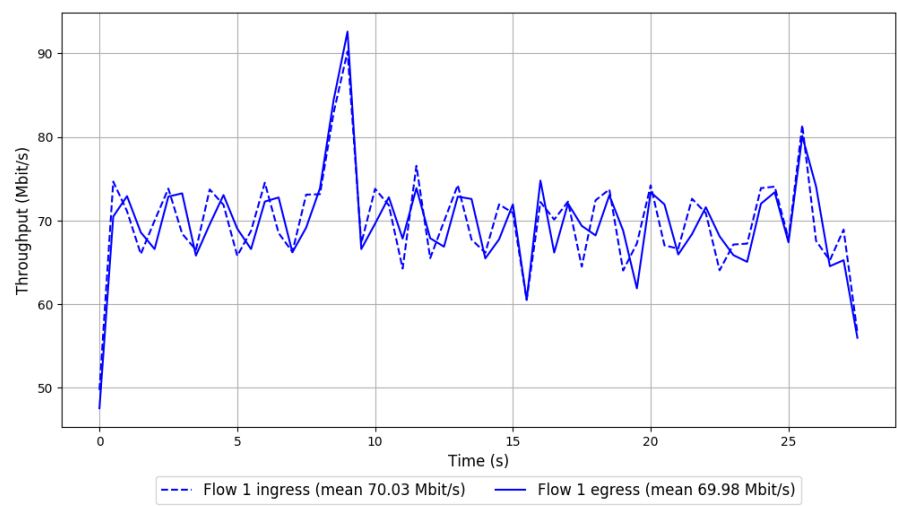
-- Flow 1:

Average throughput: 69.98 Mbit/s

95th percentile per-packet one-way delay: 33.466 ms

Loss rate: 0.25%

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



Run 10: Statistics of TaoVA-100x

Start at: 2017-12-05 12:41:14

End at: 2017-12-05 12:41:44

Local clock offset: 0.374 ms

Remote clock offset: -3.176 ms

Below is generated by plot.py at 2017-12-05 16:19:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.74 Mbit/s

95th percentile per-packet one-way delay: 36.279 ms

Loss rate: 0.28%

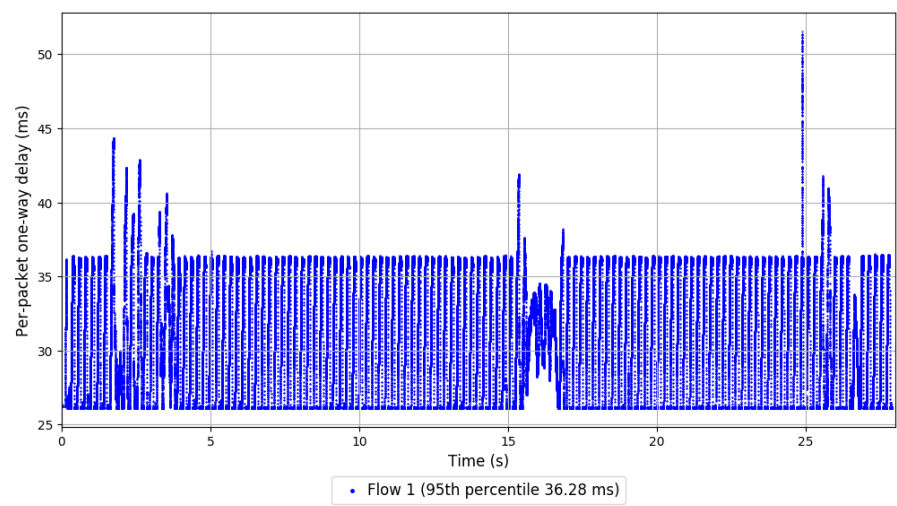
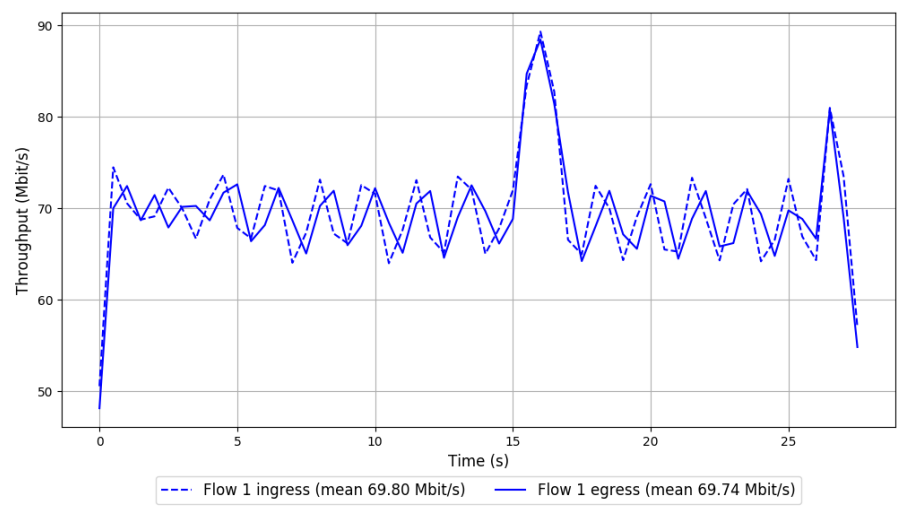
-- Flow 1:

Average throughput: 69.74 Mbit/s

95th percentile per-packet one-way delay: 36.279 ms

Loss rate: 0.28%

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

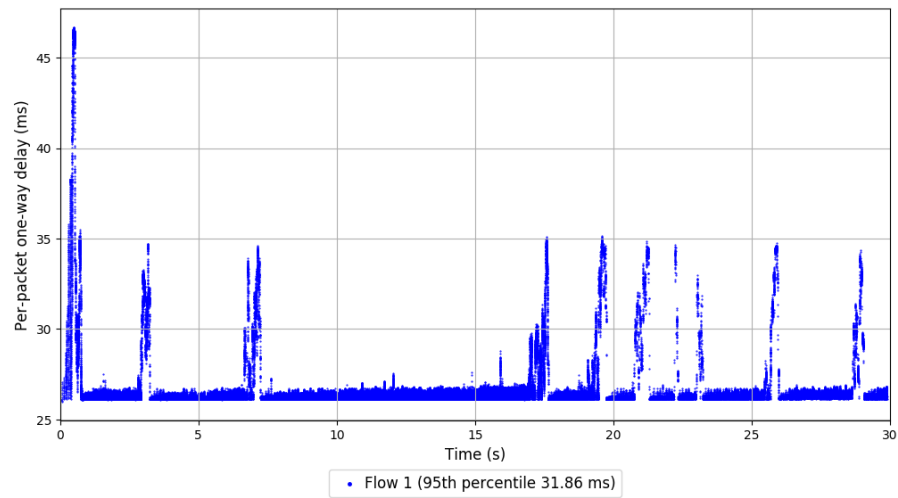
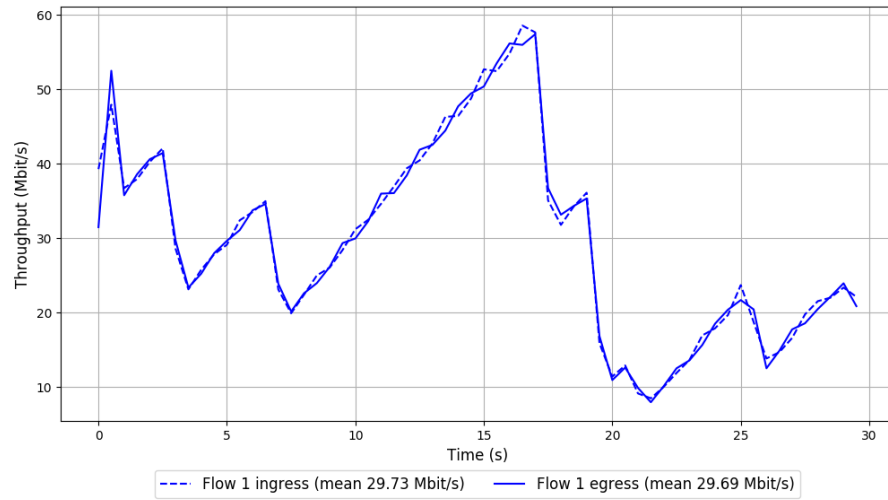


Run 1: Statistics of TCP Vegas

Start at: 2017-12-05 10:04:03
End at: 2017-12-05 10:04:33
Local clock offset: 1.133 ms
Remote clock offset: -1.843 ms

Below is generated by plot.py at 2017-12-05 16:19:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 29.69 Mbit/s
95th percentile per-packet one-way delay: 31.863 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 29.69 Mbit/s
95th percentile per-packet one-way delay: 31.863 ms
Loss rate: 0.31%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2017-12-05 10:22:40

End at: 2017-12-05 10:23:10

Local clock offset: 1.1 ms

Remote clock offset: 1.384 ms

Below is generated by plot.py at 2017-12-05 16:19:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.12 Mbit/s

95th percentile per-packet one-way delay: 28.696 ms

Loss rate: 0.40%

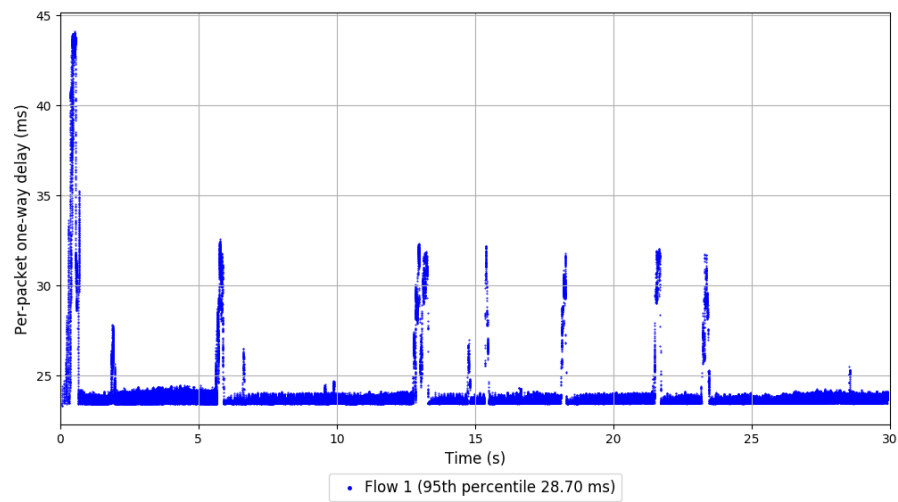
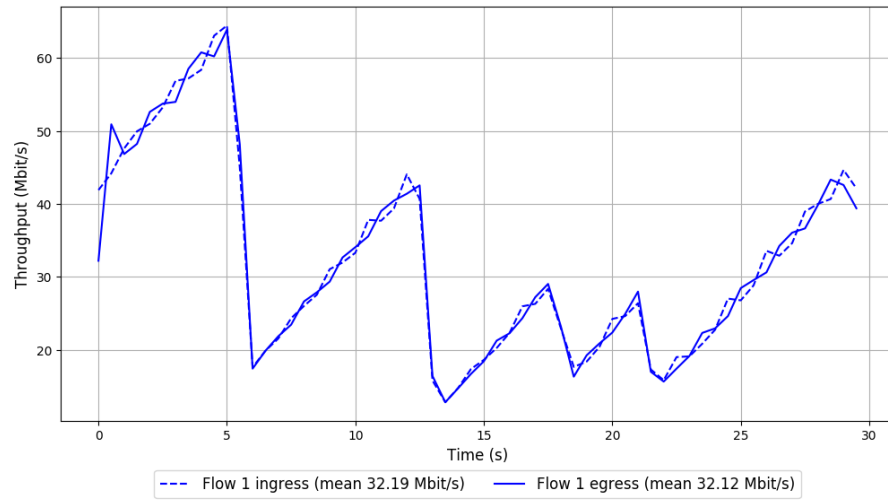
-- Flow 1:

Average throughput: 32.12 Mbit/s

95th percentile per-packet one-way delay: 28.696 ms

Loss rate: 0.40%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: 2017-12-05 10:41:15

End at: 2017-12-05 10:41:45

Local clock offset: 1.069 ms

Remote clock offset: 1.488 ms

Below is generated by plot.py at 2017-12-05 16:19:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.70 Mbit/s

95th percentile per-packet one-way delay: 25.349 ms

Loss rate: 0.21%

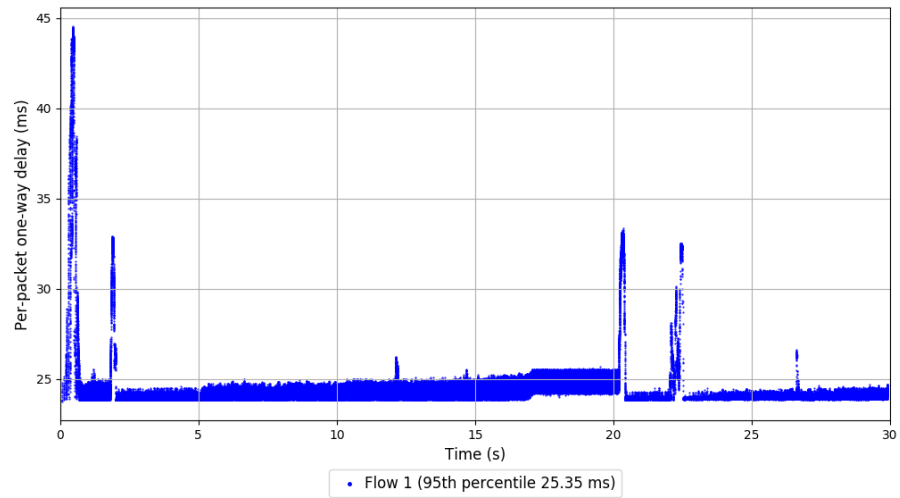
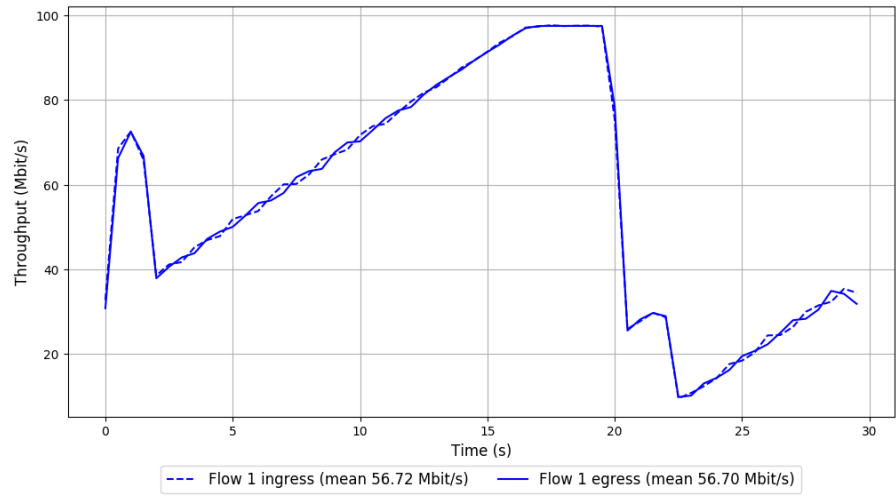
-- Flow 1:

Average throughput: 56.70 Mbit/s

95th percentile per-packet one-way delay: 25.349 ms

Loss rate: 0.21%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: 2017-12-05 10:59:52

End at: 2017-12-05 11:00:22

Local clock offset: 1.095 ms

Remote clock offset: 1.977 ms

Below is generated by plot.py at 2017-12-05 16:19:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.85 Mbit/s

95th percentile per-packet one-way delay: 39.772 ms

Loss rate: 0.35%

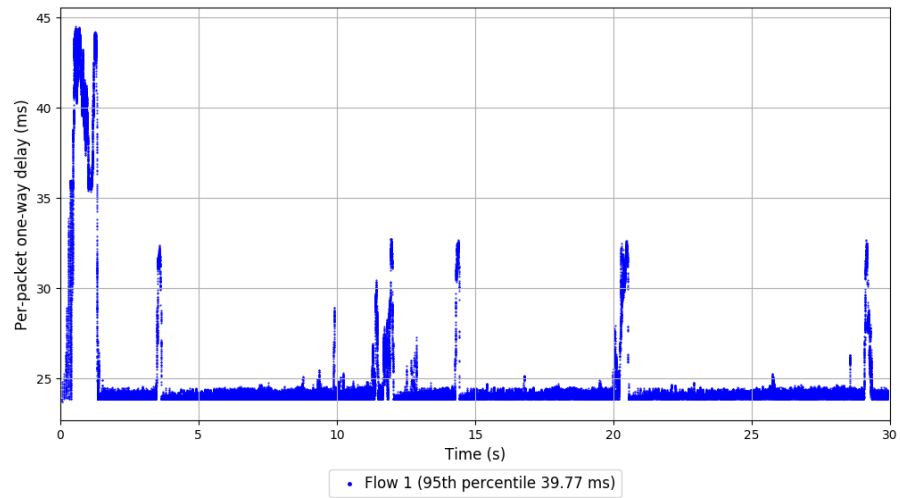
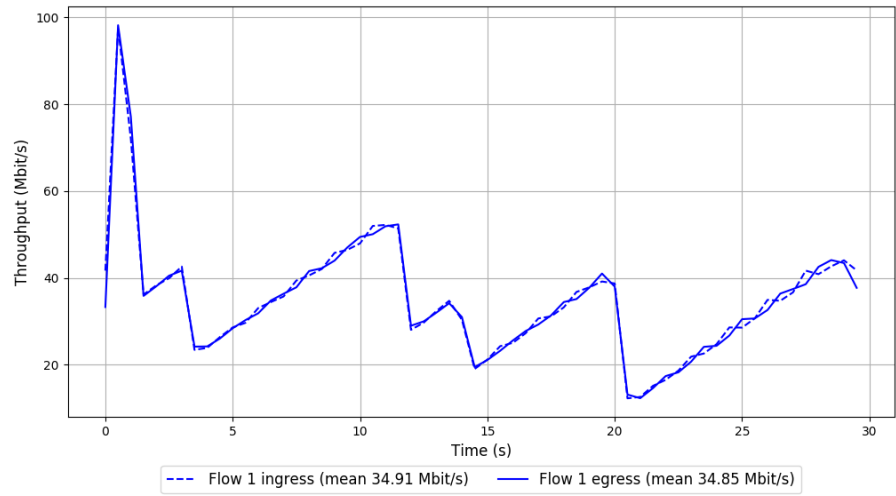
-- Flow 1:

Average throughput: 34.85 Mbit/s

95th percentile per-packet one-way delay: 39.772 ms

Loss rate: 0.35%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: 2017-12-05 11:18:30

End at: 2017-12-05 11:19:00

Local clock offset: 0.998 ms

Remote clock offset: 1.899 ms

Below is generated by plot.py at 2017-12-05 16:19:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.01 Mbit/s

95th percentile per-packet one-way delay: 24.808 ms

Loss rate: 0.20%

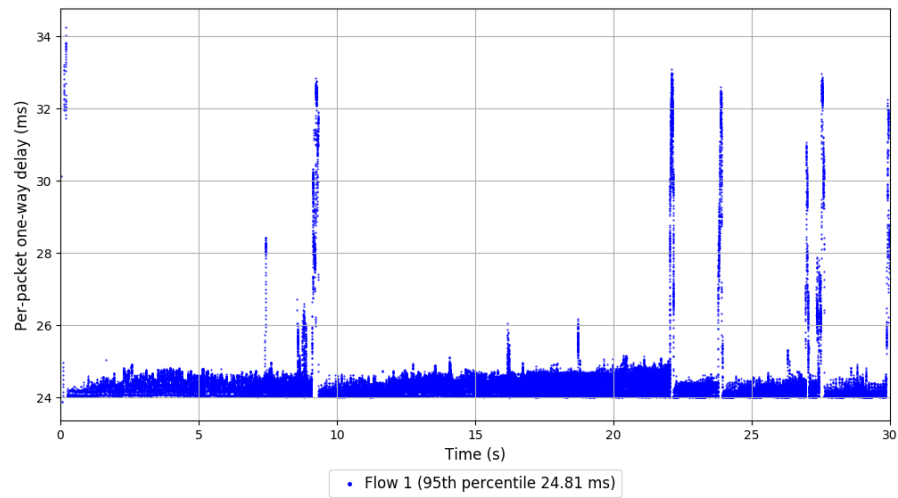
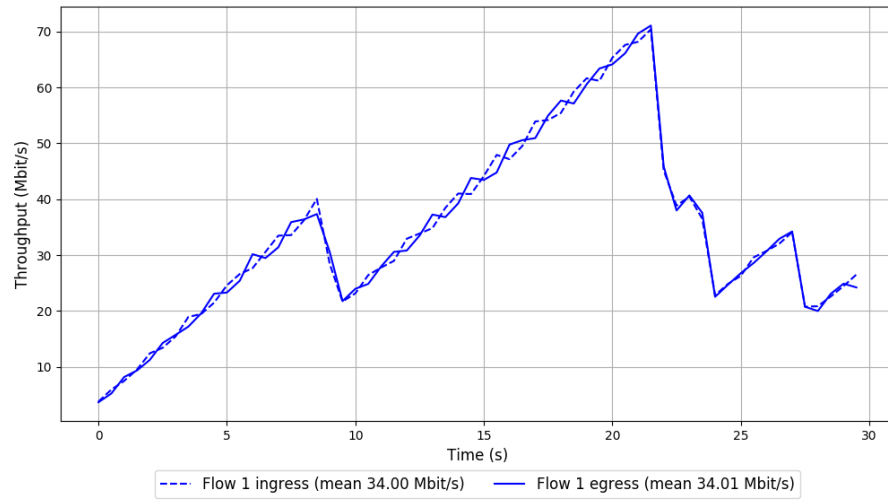
-- Flow 1:

Average throughput: 34.01 Mbit/s

95th percentile per-packet one-way delay: 24.808 ms

Loss rate: 0.20%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: 2017-12-05 11:37:16

End at: 2017-12-05 11:37:46

Local clock offset: 0.784 ms

Remote clock offset: 1.679 ms

Below is generated by plot.py at 2017-12-05 16:19:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.49 Mbit/s

95th percentile per-packet one-way delay: 35.927 ms

Loss rate: 0.16%

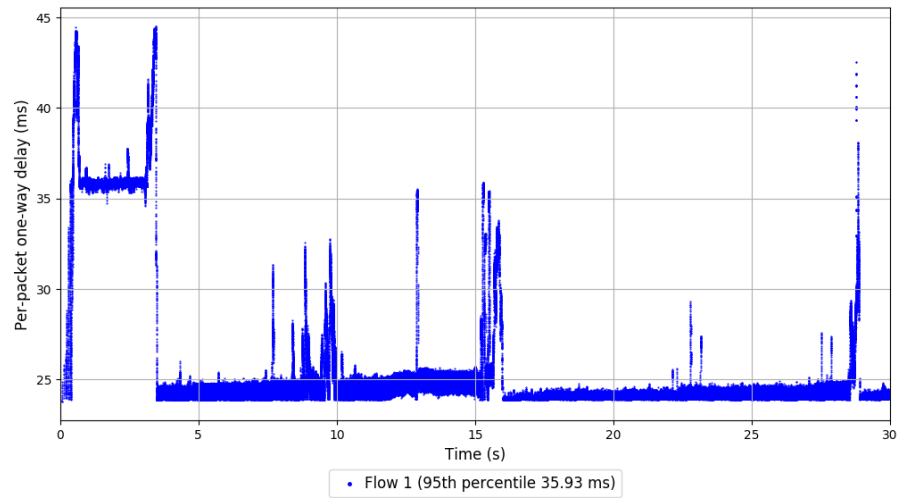
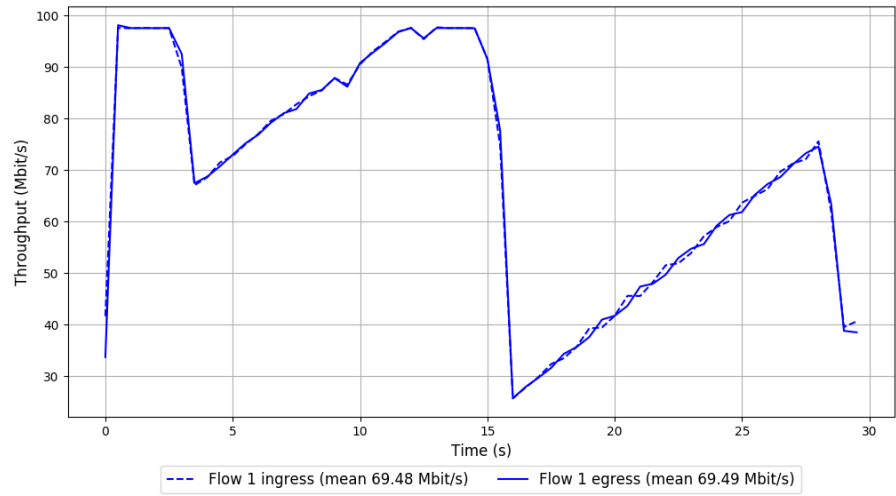
-- Flow 1:

Average throughput: 69.49 Mbit/s

95th percentile per-packet one-way delay: 35.927 ms

Loss rate: 0.16%

Run 6: Report of TCP Vegas — Data Link

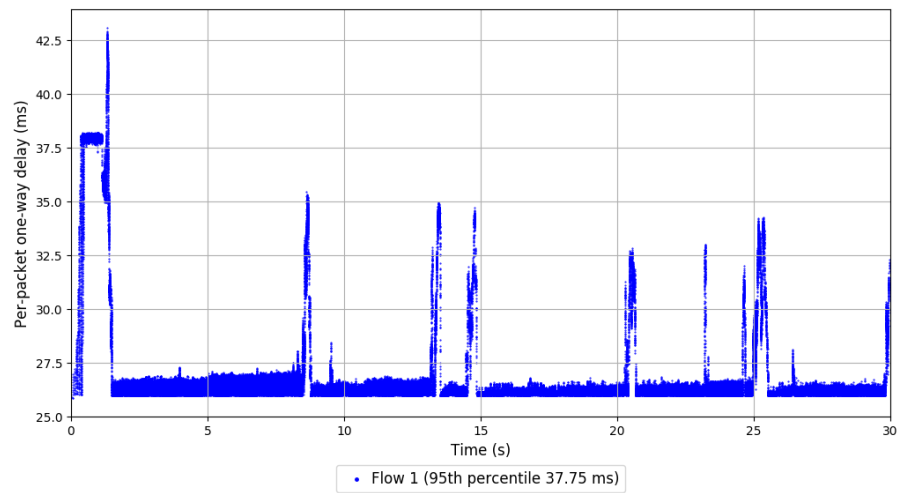
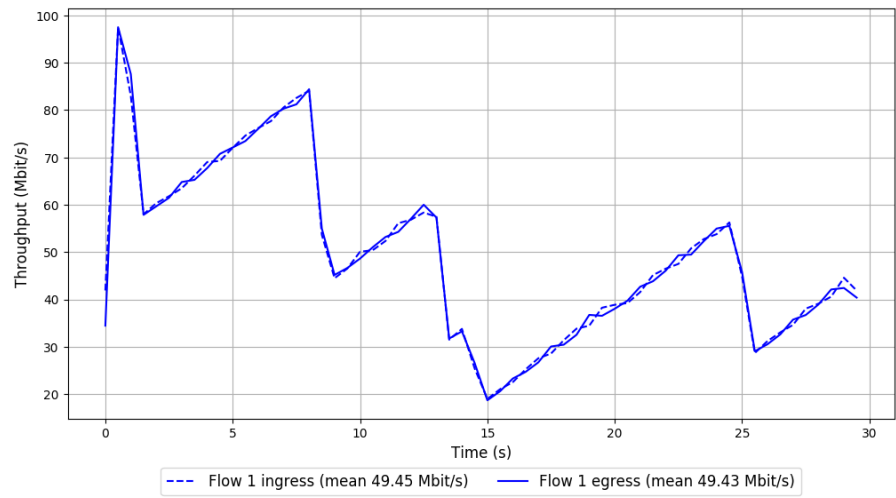


Run 7: Statistics of TCP Vegas

Start at: 2017-12-05 11:56:01
End at: 2017-12-05 11:56:31
Local clock offset: 0.456 ms
Remote clock offset: -0.835 ms

Below is generated by plot.py at 2017-12-05 16:19:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 49.43 Mbit/s
95th percentile per-packet one-way delay: 37.753 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 49.43 Mbit/s
95th percentile per-packet one-way delay: 37.753 ms
Loss rate: 0.21%

Run 7: Report of TCP Vegas — Data Link

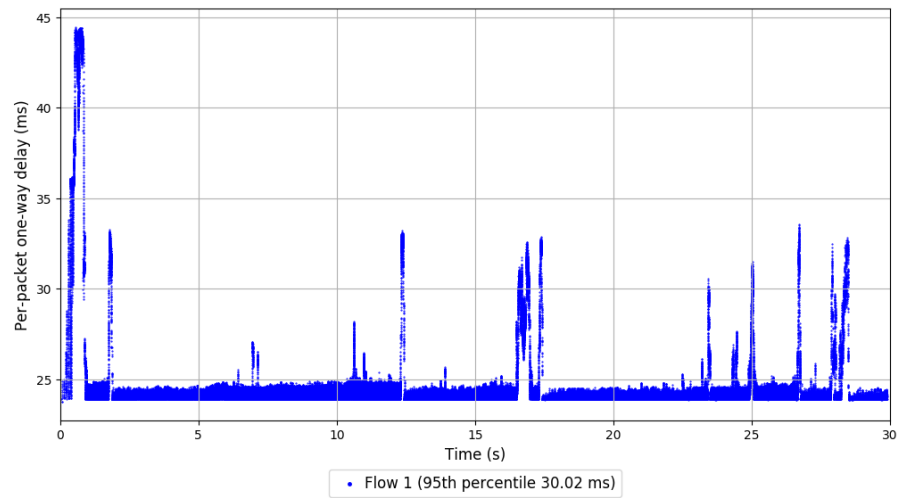
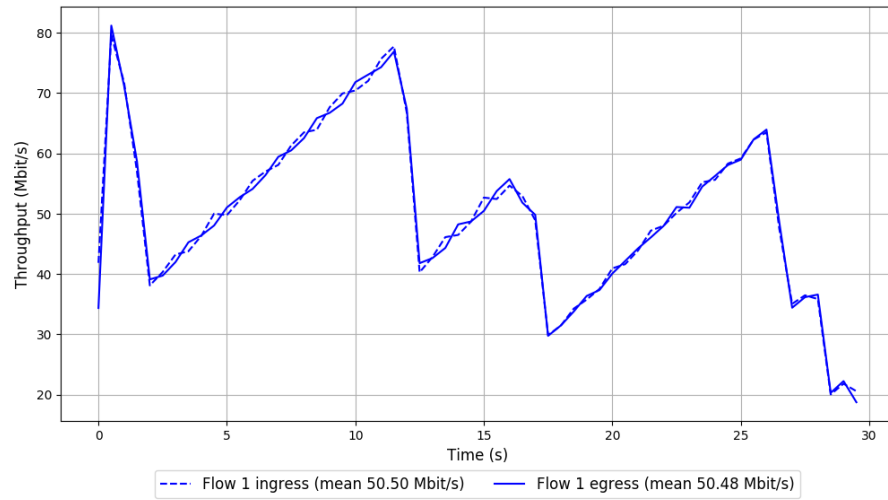


Run 8: Statistics of TCP Vegas

Start at: 2017-12-05 12:14:54
End at: 2017-12-05 12:15:24
Local clock offset: 0.453 ms
Remote clock offset: -0.026 ms

Below is generated by plot.py at 2017-12-05 16:19:12
Datalink statistics
-- Total of 1 flow:
Average throughput: 50.48 Mbit/s
95th percentile per-packet one-way delay: 30.018 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 50.48 Mbit/s
95th percentile per-packet one-way delay: 30.018 ms
Loss rate: 0.22%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2017-12-05 12:33:25

End at: 2017-12-05 12:33:55

Local clock offset: 0.411 ms

Remote clock offset: -0.44 ms

Below is generated by plot.py at 2017-12-05 16:19:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.53 Mbit/s

95th percentile per-packet one-way delay: 35.572 ms

Loss rate: 0.20%

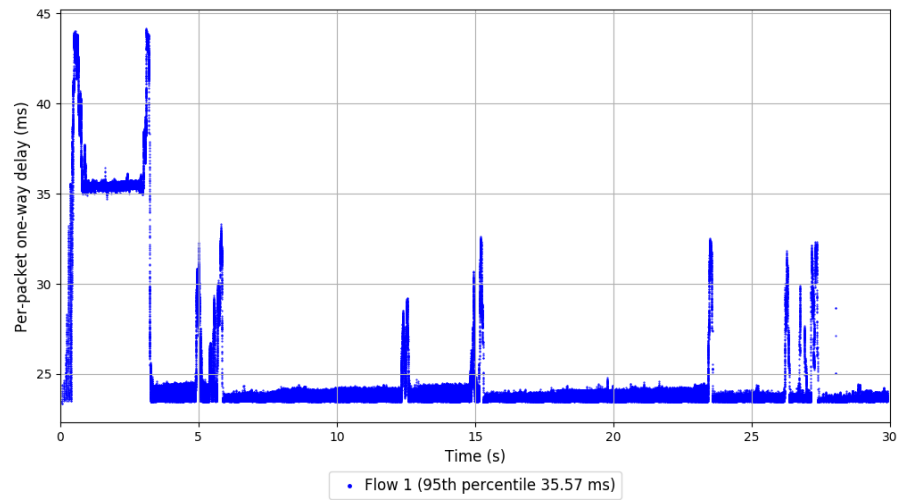
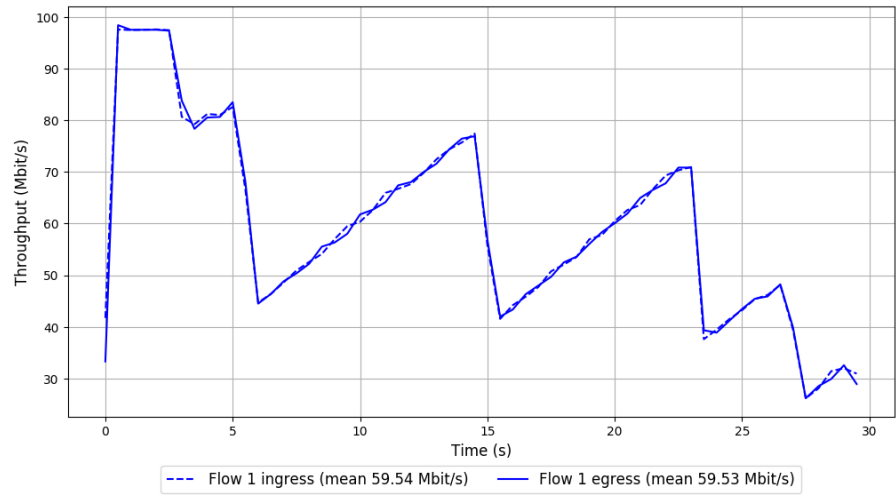
-- Flow 1:

Average throughput: 59.53 Mbit/s

95th percentile per-packet one-way delay: 35.572 ms

Loss rate: 0.20%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: 2017-12-05 12:51:59

End at: 2017-12-05 12:52:29

Local clock offset: 0.342 ms

Remote clock offset: -0.93 ms

Below is generated by plot.py at 2017-12-05 16:19:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.44 Mbit/s

95th percentile per-packet one-way delay: 26.627 ms

Loss rate: 0.32%

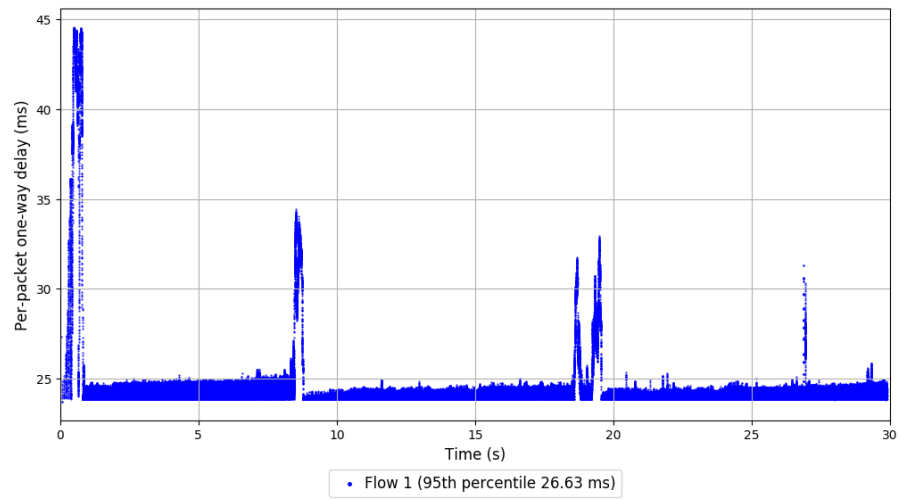
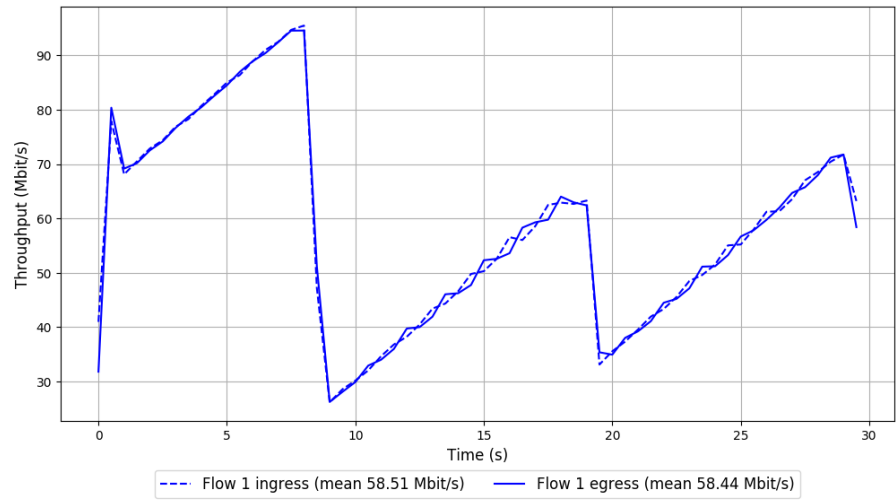
-- Flow 1:

Average throughput: 58.44 Mbit/s

95th percentile per-packet one-way delay: 26.627 ms

Loss rate: 0.32%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: 2017-12-05 10:01:16

End at: 2017-12-05 10:01:46

Local clock offset: 1.118 ms

Remote clock offset: 0.224 ms

Below is generated by plot.py at 2017-12-05 16:19:36

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.51 Mbit/s

95th percentile per-packet one-way delay: 42.973 ms

Loss rate: 0.38%

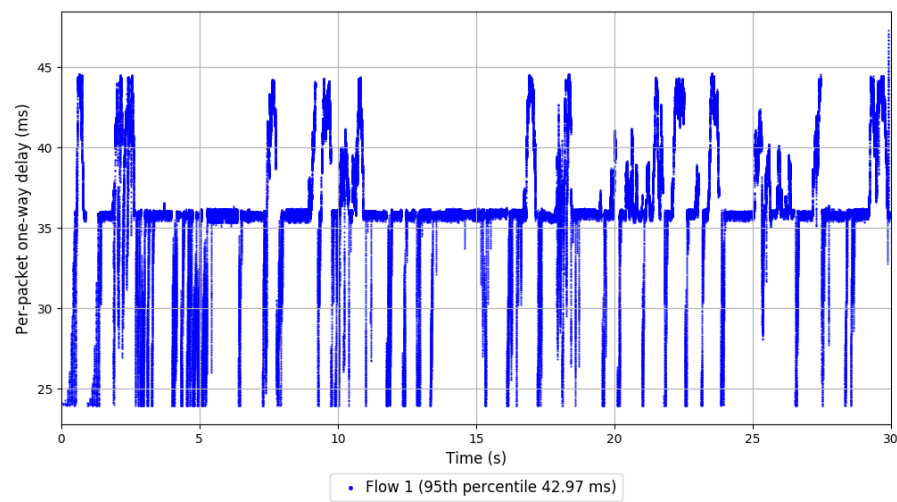
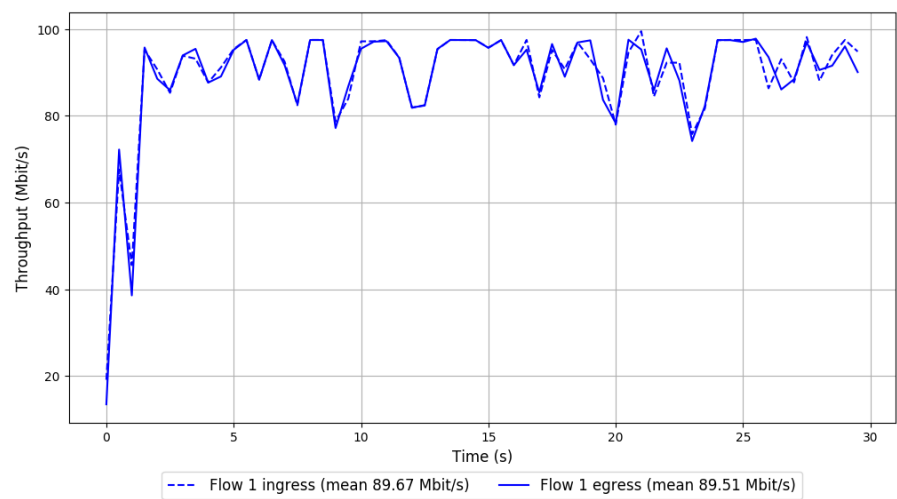
-- Flow 1:

Average throughput: 89.51 Mbit/s

95th percentile per-packet one-way delay: 42.973 ms

Loss rate: 0.38%

Run 1: Report of Verus — Data Link

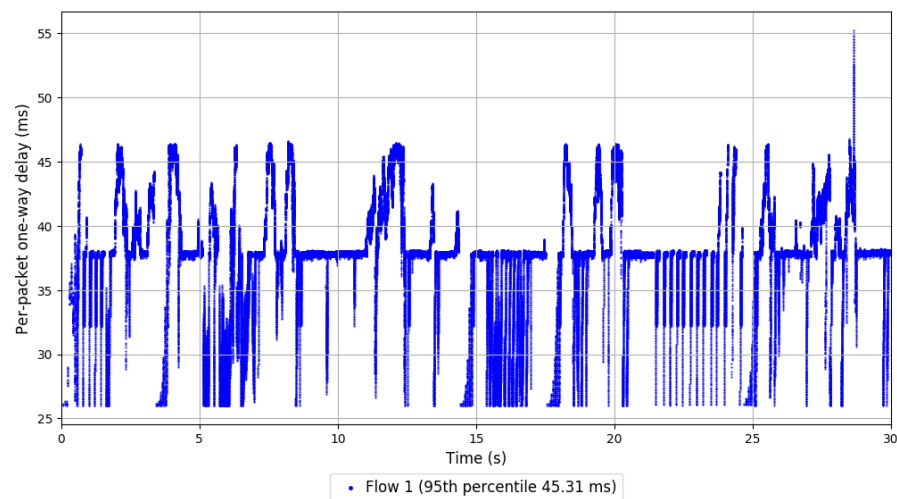
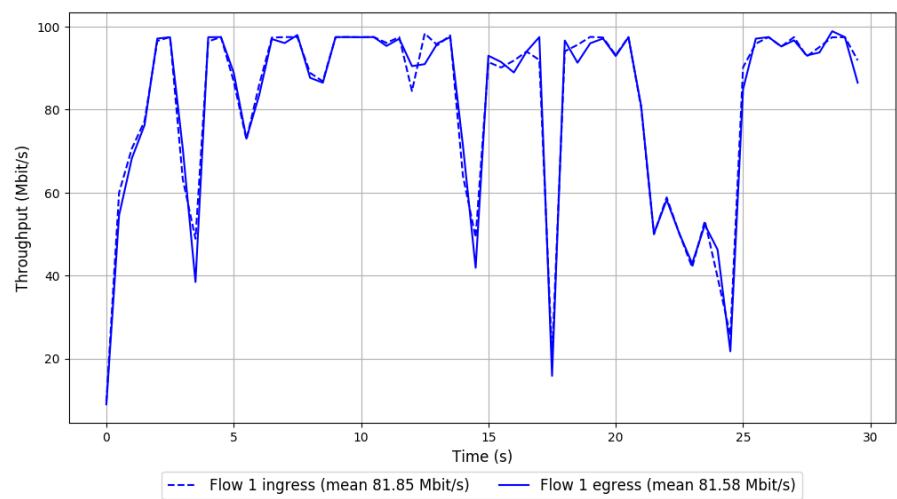


Run 2: Statistics of Verus

Start at: 2017-12-05 10:19:56
End at: 2017-12-05 10:20:26
Local clock offset: 1.118 ms
Remote clock offset: -1.305 ms

Below is generated by plot.py at 2017-12-05 16:19:48
Datalink statistics
-- Total of 1 flow:
Average throughput: 81.58 Mbit/s
95th percentile per-packet one-way delay: 45.313 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 81.58 Mbit/s
95th percentile per-packet one-way delay: 45.313 ms
Loss rate: 0.53%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2017-12-05 10:38:31

End at: 2017-12-05 10:39:01

Local clock offset: 1.168 ms

Remote clock offset: 1.327 ms

Below is generated by plot.py at 2017-12-05 16:20:03

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.05 Mbit/s

95th percentile per-packet one-way delay: 41.336 ms

Loss rate: 0.27%

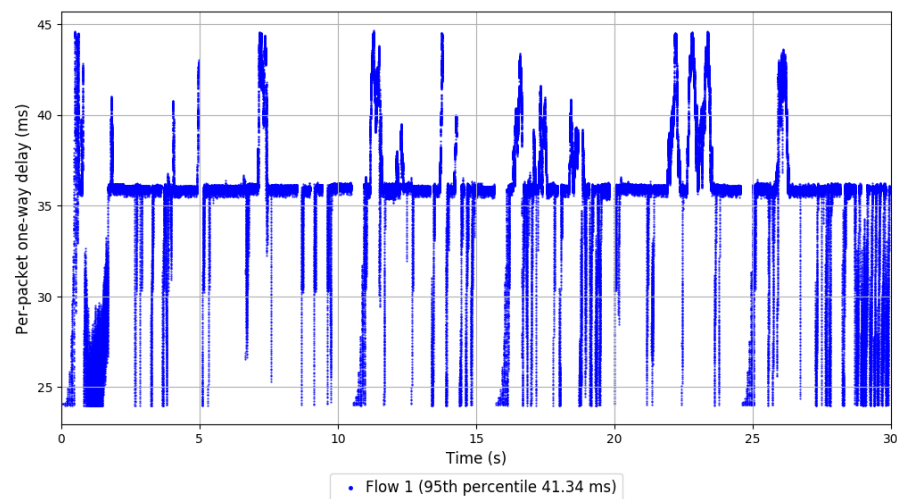
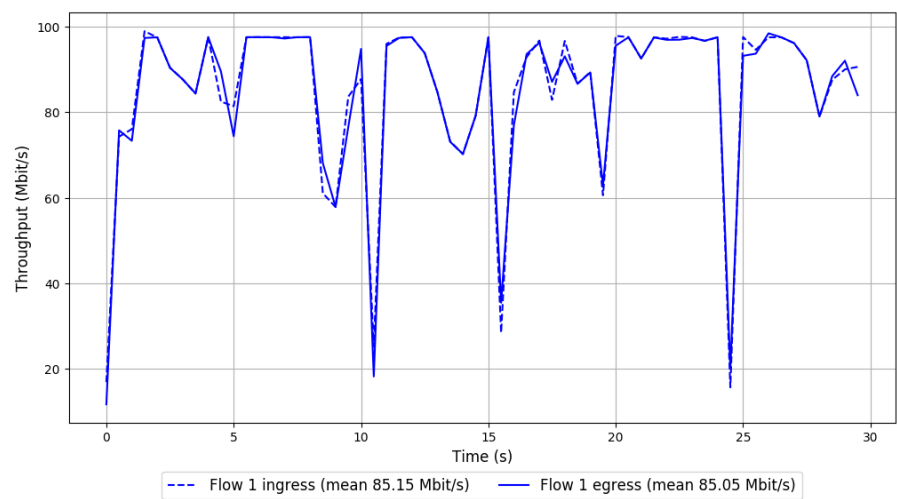
-- Flow 1:

Average throughput: 85.05 Mbit/s

95th percentile per-packet one-way delay: 41.336 ms

Loss rate: 0.27%

Run 3: Report of Verus — Data Link

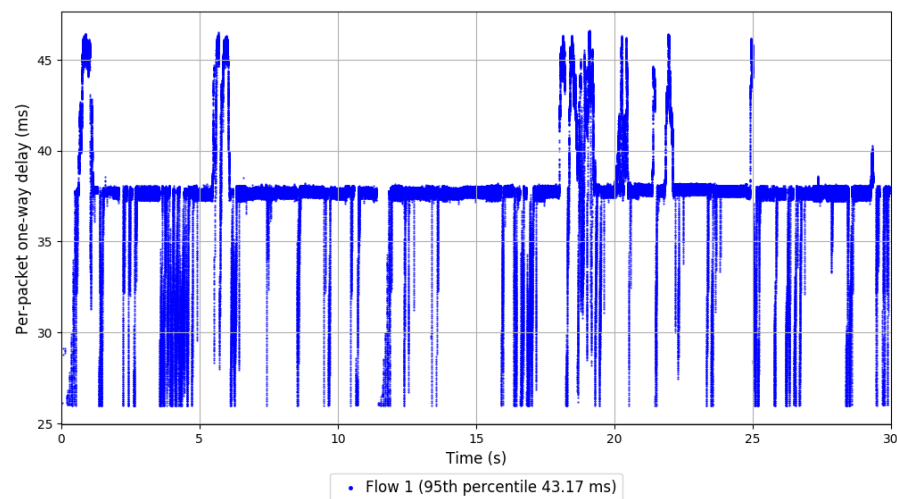
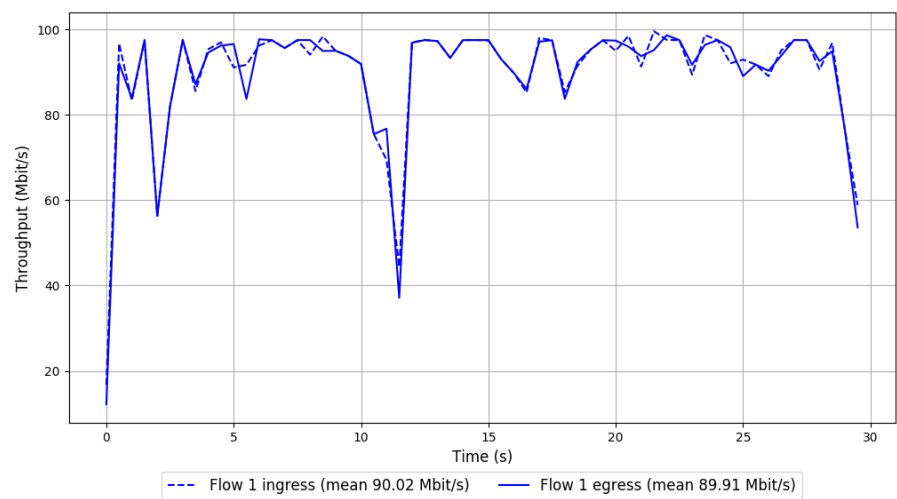


Run 4: Statistics of Verus

Start at: 2017-12-05 10:57:05
End at: 2017-12-05 10:57:35
Local clock offset: 1.004 ms
Remote clock offset: -0.235 ms

Below is generated by plot.py at 2017-12-05 16:20:14
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.91 Mbit/s
95th percentile per-packet one-way delay: 43.174 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 89.91 Mbit/s
95th percentile per-packet one-way delay: 43.174 ms
Loss rate: 0.31%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2017-12-05 11:15:45

End at: 2017-12-05 11:16:15

Local clock offset: 1.053 ms

Remote clock offset: 2.634 ms

Below is generated by plot.py at 2017-12-05 16:20:19

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.45 Mbit/s

95th percentile per-packet one-way delay: 40.423 ms

Loss rate: 0.30%

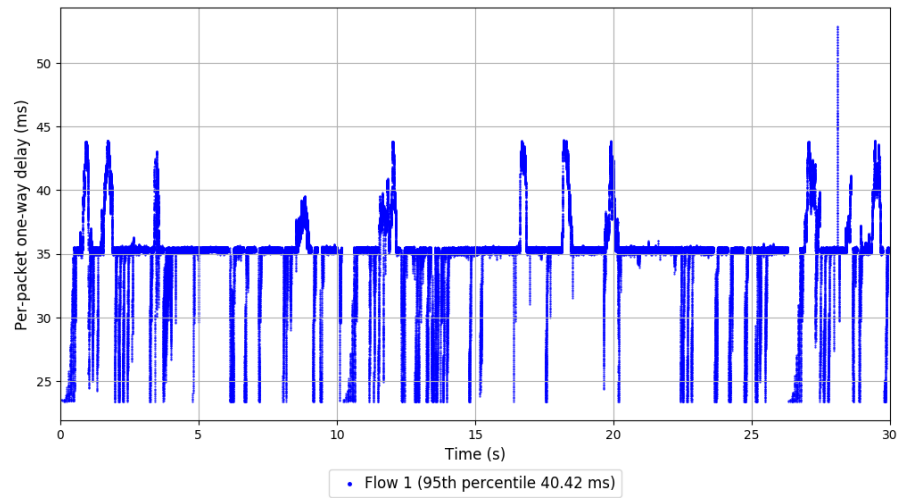
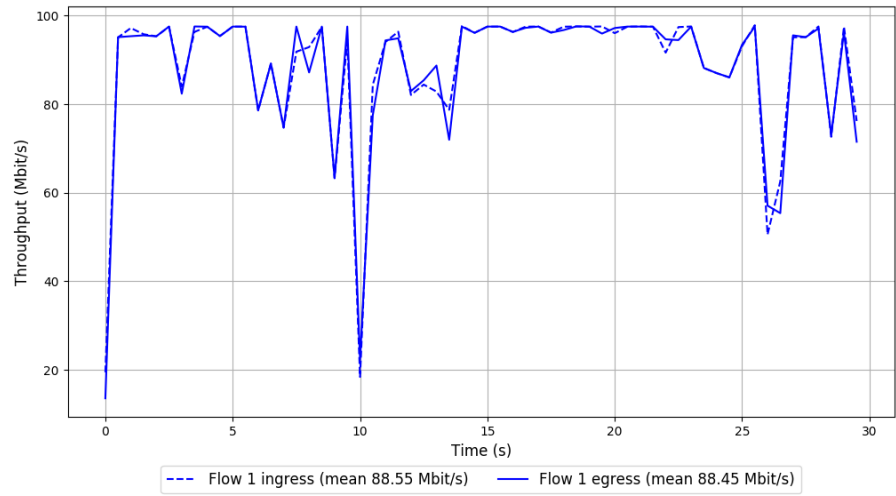
-- Flow 1:

Average throughput: 88.45 Mbit/s

95th percentile per-packet one-way delay: 40.423 ms

Loss rate: 0.30%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2017-12-05 11:34:31

End at: 2017-12-05 11:35:01

Local clock offset: 0.722 ms

Remote clock offset: 1.503 ms

Below is generated by plot.py at 2017-12-05 16:20:22

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.00 Mbit/s

95th percentile per-packet one-way delay: 38.726 ms

Loss rate: 0.36%

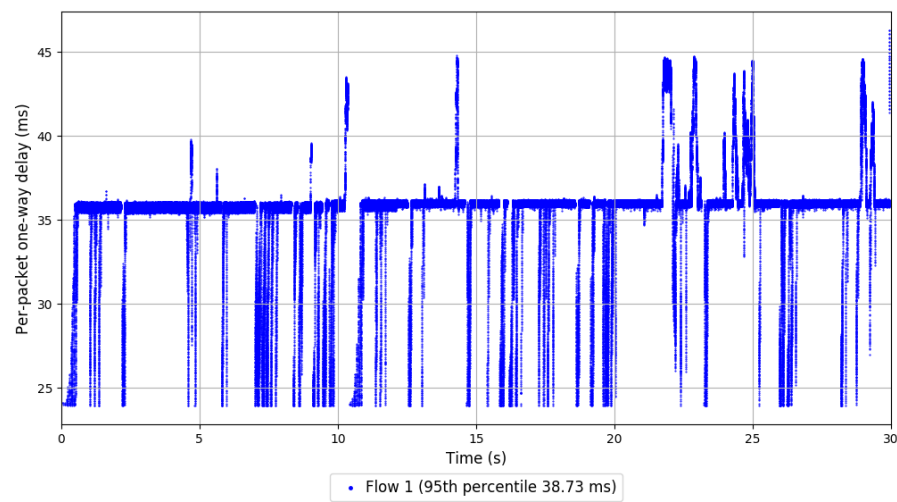
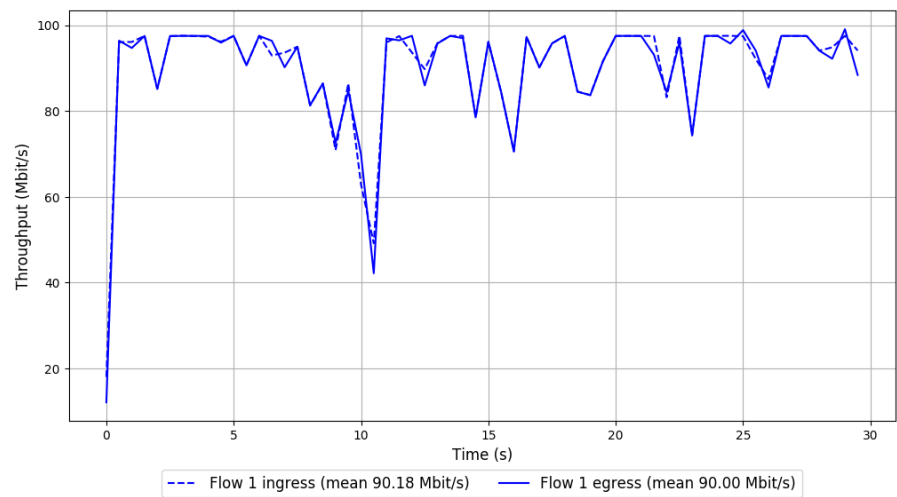
-- Flow 1:

Average throughput: 90.00 Mbit/s

95th percentile per-packet one-way delay: 38.726 ms

Loss rate: 0.36%

Run 6: Report of Verus — Data Link

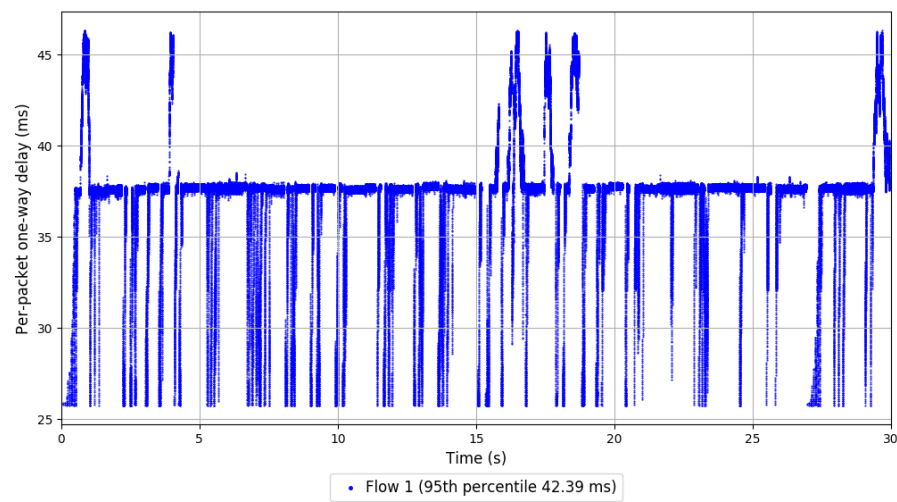
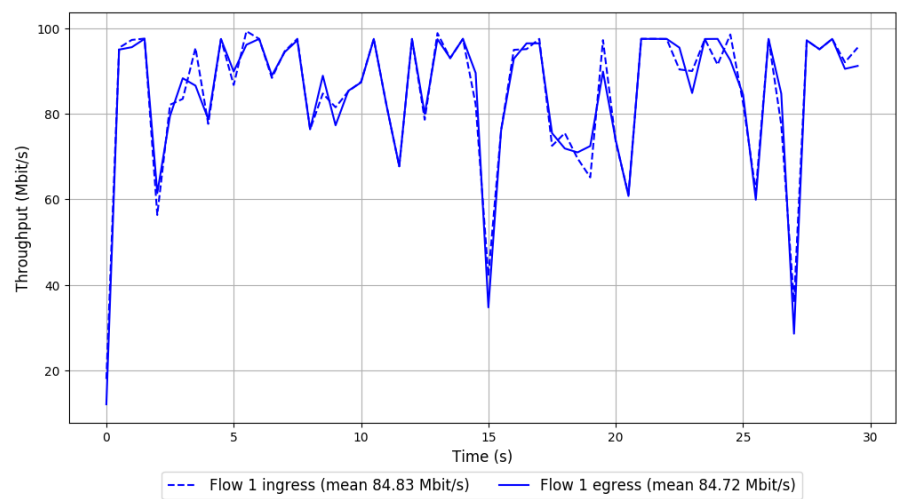


Run 7: Statistics of Verus

Start at: 2017-12-05 11:53:08
End at: 2017-12-05 11:53:38
Local clock offset: 0.482 ms
Remote clock offset: -0.534 ms

Below is generated by plot.py at 2017-12-05 16:20:29
Datalink statistics
-- Total of 1 flow:
Average throughput: 84.72 Mbit/s
95th percentile per-packet one-way delay: 42.390 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 84.72 Mbit/s
95th percentile per-packet one-way delay: 42.390 ms
Loss rate: 0.30%

Run 7: Report of Verus — Data Link

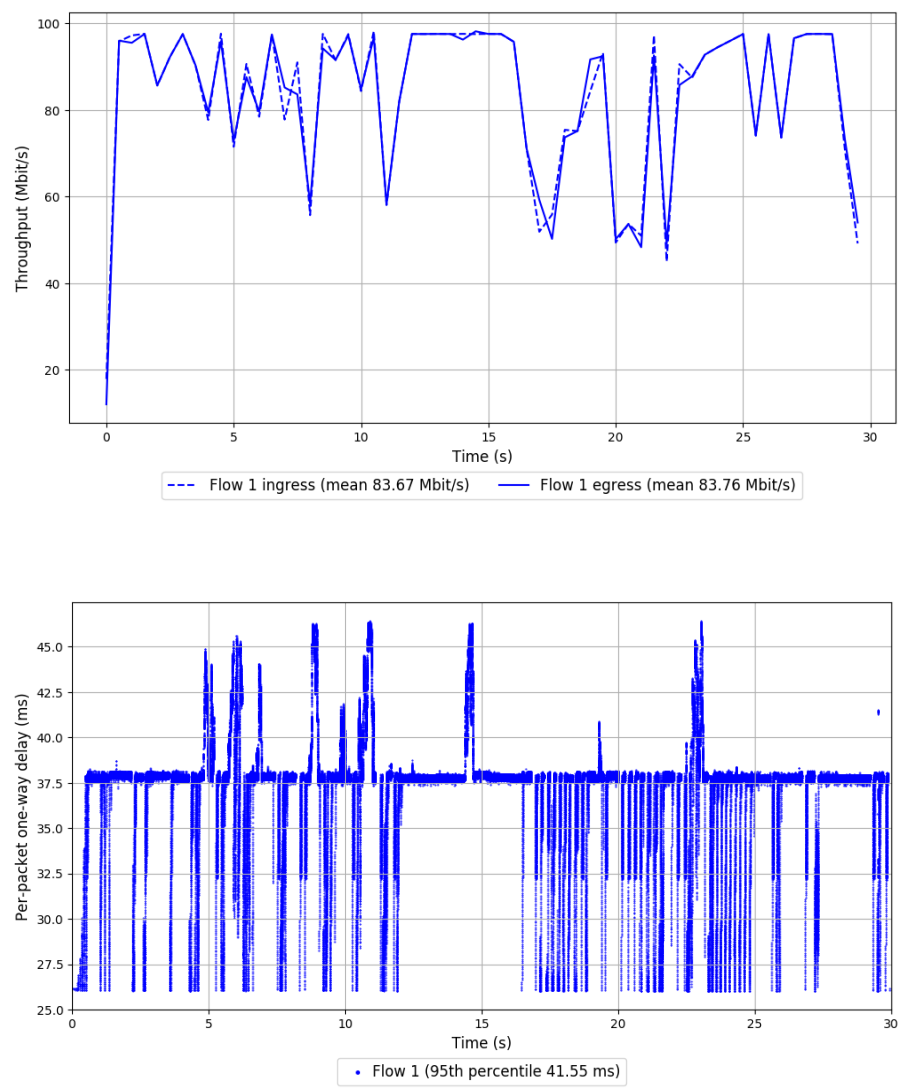


Run 8: Statistics of Verus

Start at: 2017-12-05 12:12:02
End at: 2017-12-05 12:12:33
Local clock offset: 0.445 ms
Remote clock offset: -2.018 ms

Below is generated by plot.py at 2017-12-05 16:20:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 41.551 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 83.76 Mbit/s
95th percentile per-packet one-way delay: 41.551 ms
Loss rate: 0.07%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2017-12-05 12:30:42

End at: 2017-12-05 12:31:12

Local clock offset: 0.317 ms

Remote clock offset: -0.92 ms

Below is generated by plot.py at 2017-12-05 16:20:55

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.18 Mbit/s

95th percentile per-packet one-way delay: 42.191 ms

Loss rate: 0.48%

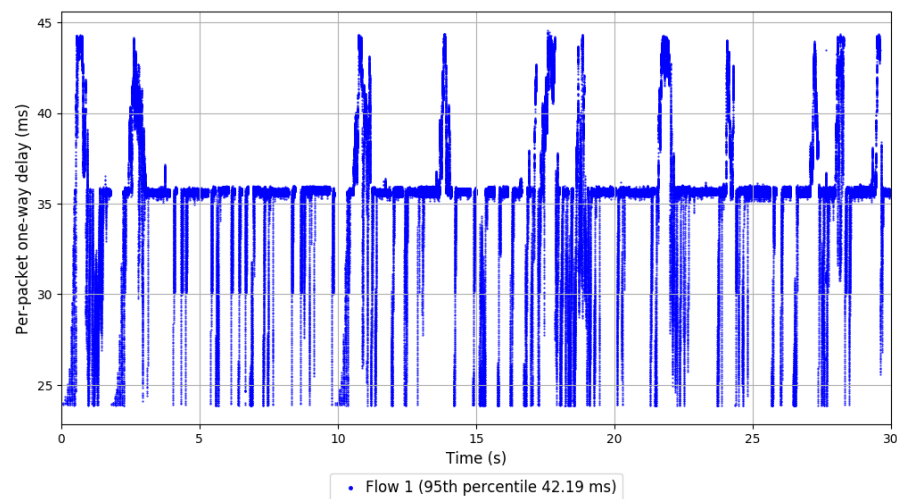
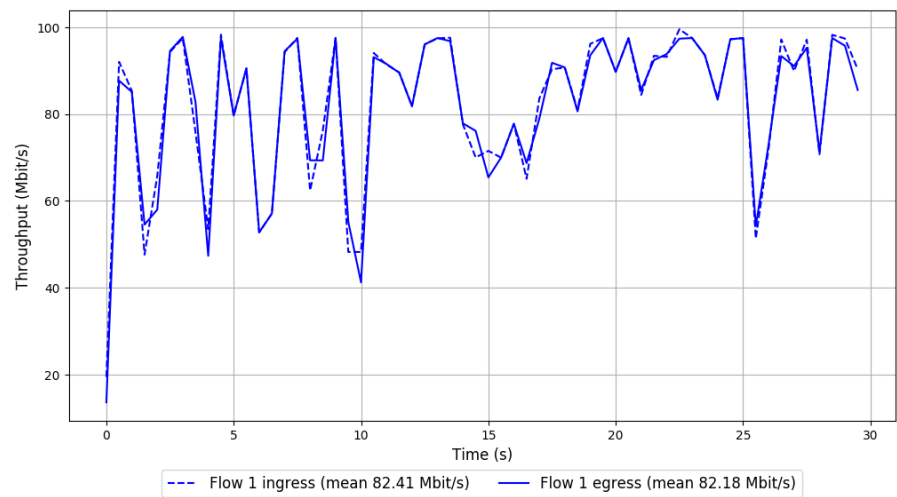
-- Flow 1:

Average throughput: 82.18 Mbit/s

95th percentile per-packet one-way delay: 42.191 ms

Loss rate: 0.48%

Run 9: Report of Verus — Data Link

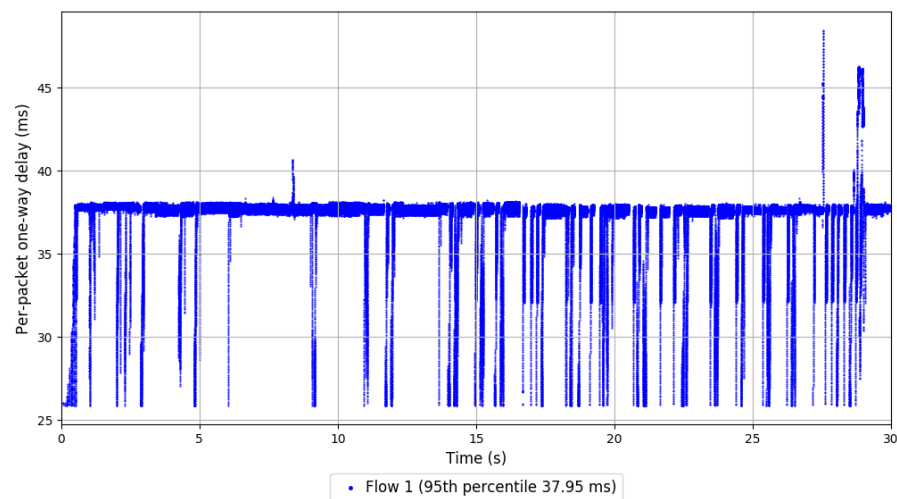
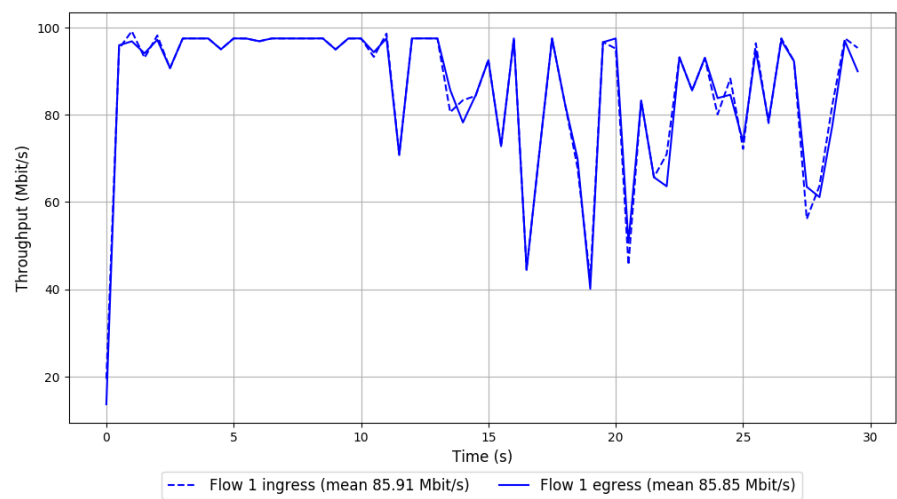


Run 10: Statistics of Verus

Start at: 2017-12-05 12:49:14
End at: 2017-12-05 12:49:44
Local clock offset: 0.261 ms
Remote clock offset: -2.965 ms

Below is generated by plot.py at 2017-12-05 16:21:06
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.85 Mbit/s
95th percentile per-packet one-way delay: 37.950 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 85.85 Mbit/s
95th percentile per-packet one-way delay: 37.950 ms
Loss rate: 0.26%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2017-12-05 10:02:39

End at: 2017-12-05 10:03:09

Local clock offset: 1.025 ms

Remote clock offset: 0.248 ms

Below is generated by plot.py at 2017-12-05 16:22:06

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.18 Mbit/s

95th percentile per-packet one-way delay: 31.484 ms

Loss rate: 0.34%

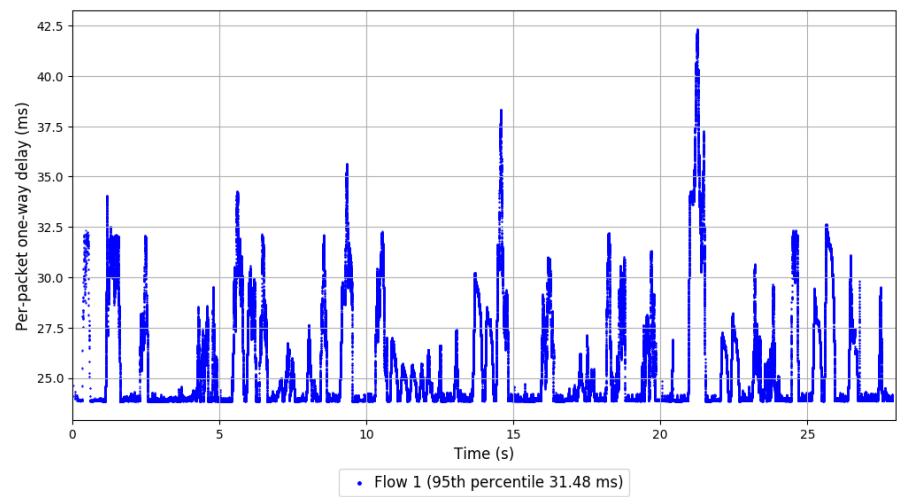
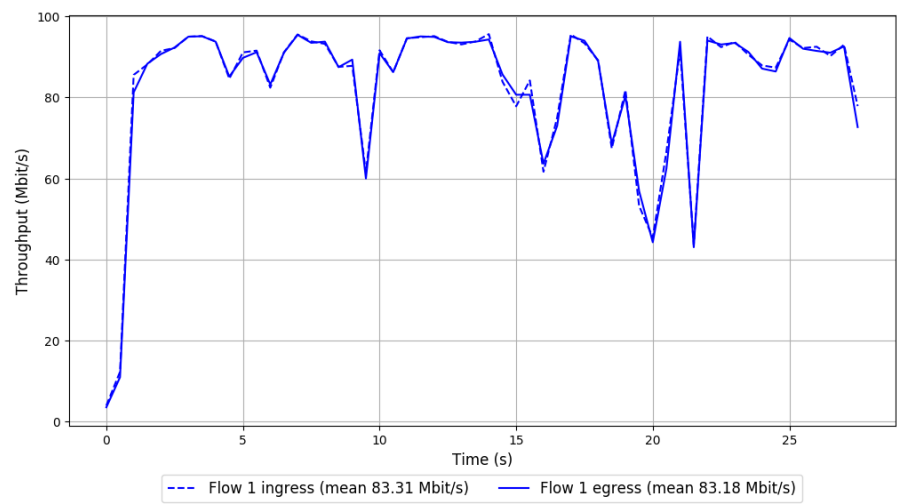
-- Flow 1:

Average throughput: 83.18 Mbit/s

95th percentile per-packet one-way delay: 31.484 ms

Loss rate: 0.34%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2017-12-05 10:21:17

End at: 2017-12-05 10:21:47

Local clock offset: 1.183 ms

Remote clock offset: 1.358 ms

Below is generated by plot.py at 2017-12-05 16:22:27

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.41 Mbit/s

95th percentile per-packet one-way delay: 30.852 ms

Loss rate: 0.33%

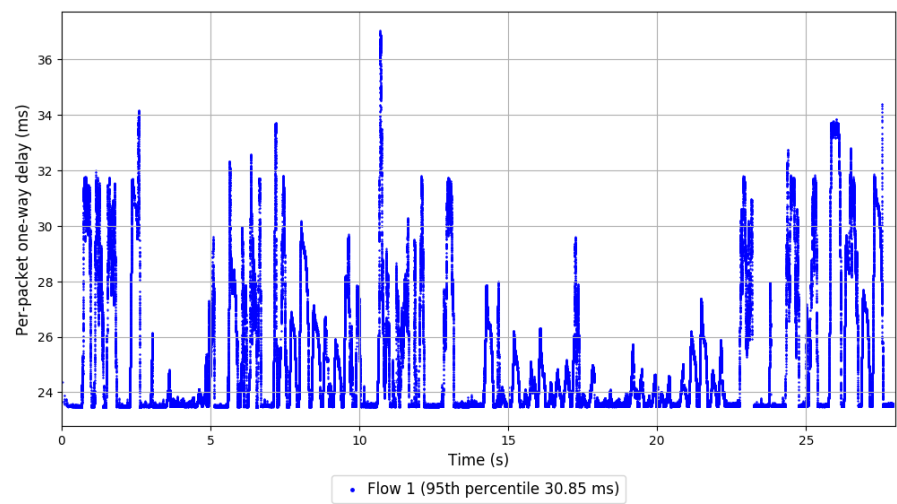
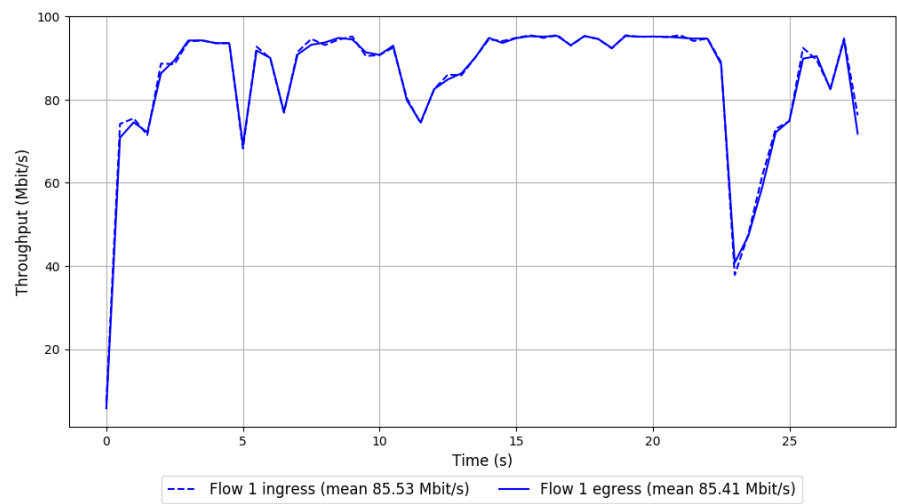
-- Flow 1:

Average throughput: 85.41 Mbit/s

95th percentile per-packet one-way delay: 30.852 ms

Loss rate: 0.33%

Run 2: Report of Copa — Data Link

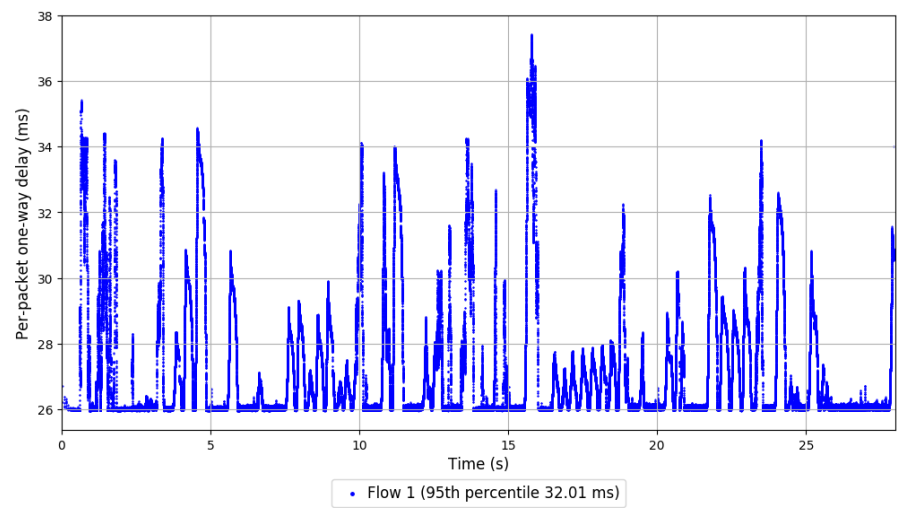
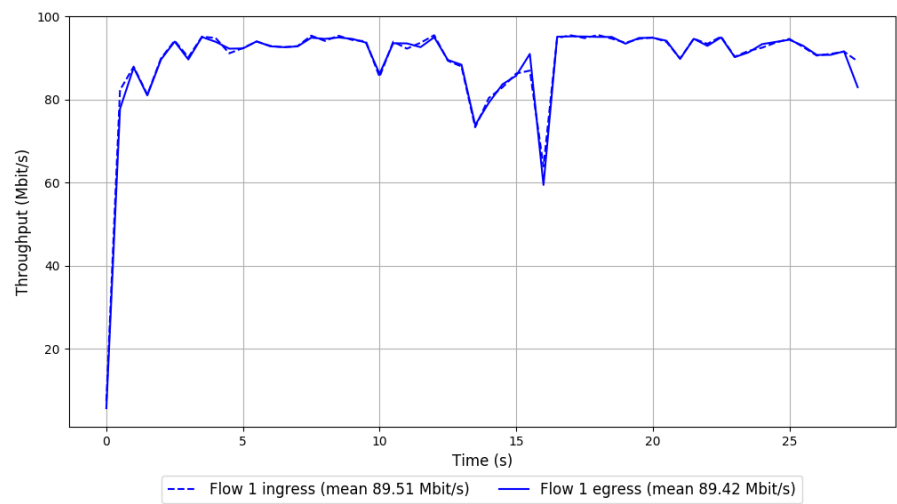


Run 3: Statistics of Copa

Start at: 2017-12-05 10:39:52
End at: 2017-12-05 10:40:22
Local clock offset: 1.076 ms
Remote clock offset: -0.701 ms

Below is generated by plot.py at 2017-12-05 16:22:33
Datalink statistics
-- Total of 1 flow:
Average throughput: 89.42 Mbit/s
95th percentile per-packet one-way delay: 32.008 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 89.42 Mbit/s
95th percentile per-packet one-way delay: 32.008 ms
Loss rate: 0.28%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2017-12-05 10:58:27

End at: 2017-12-05 10:58:57

Local clock offset: 1.1 ms

Remote clock offset: 1.838 ms

Below is generated by plot.py at 2017-12-05 16:22:37

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.65 Mbit/s

95th percentile per-packet one-way delay: 31.379 ms

Loss rate: 0.30%

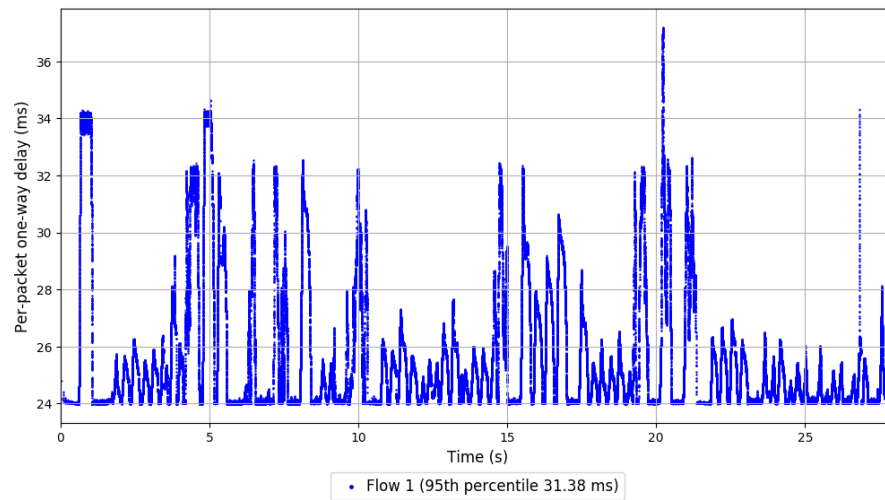
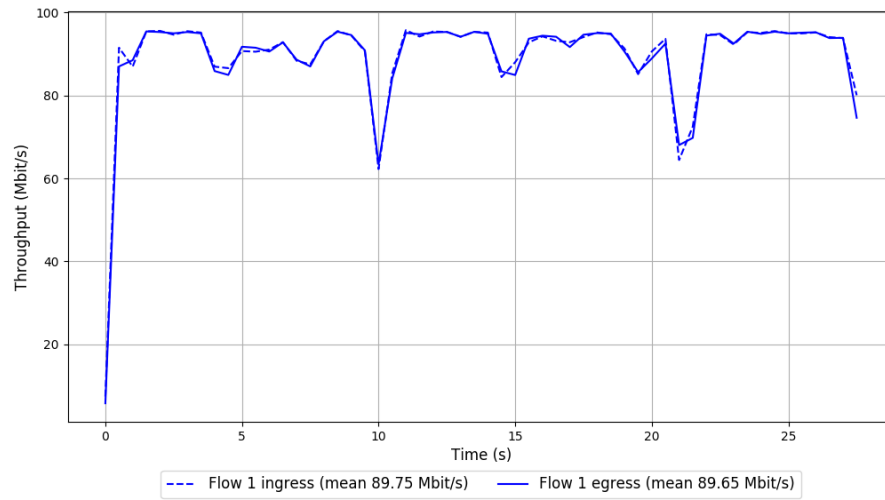
-- Flow 1:

Average throughput: 89.65 Mbit/s

95th percentile per-packet one-way delay: 31.379 ms

Loss rate: 0.30%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2017-12-05 11:17:07

End at: 2017-12-05 11:17:37

Local clock offset: 0.937 ms

Remote clock offset: 2.097 ms

Below is generated by plot.py at 2017-12-05 16:22:41

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.62 Mbit/s

95th percentile per-packet one-way delay: 31.475 ms

Loss rate: 0.28%

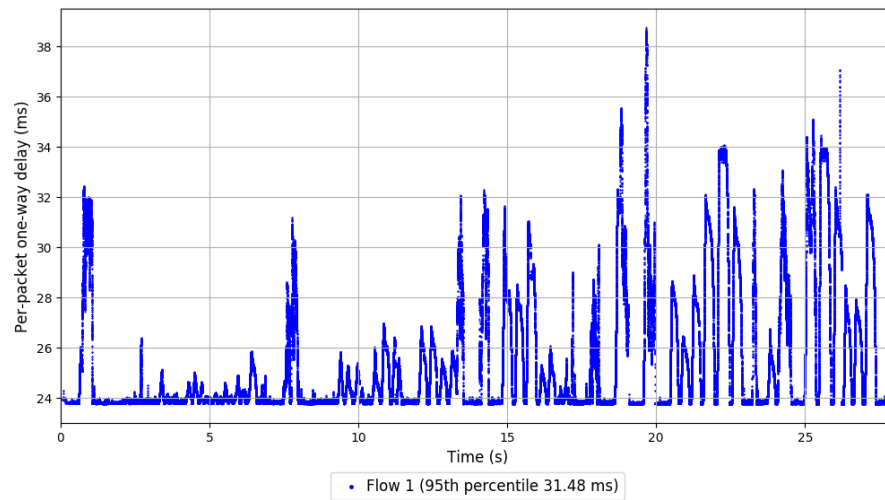
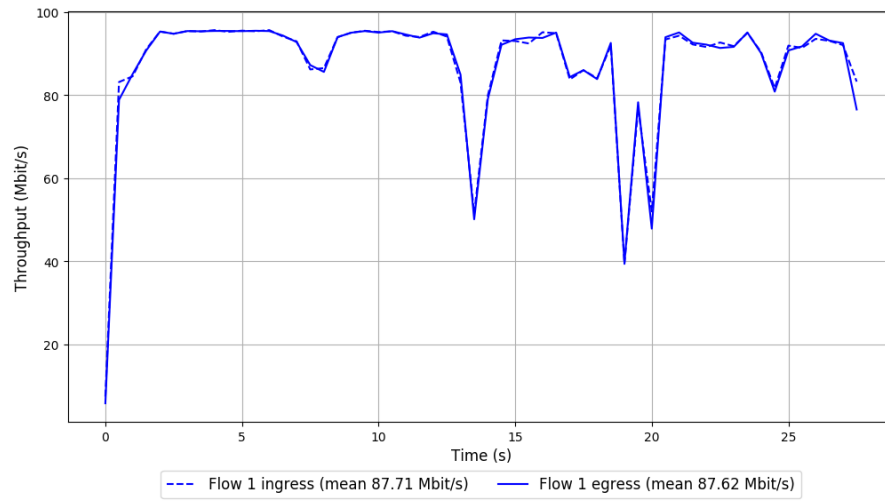
-- Flow 1:

Average throughput: 87.62 Mbit/s

95th percentile per-packet one-way delay: 31.475 ms

Loss rate: 0.28%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2017-12-05 11:35:53

End at: 2017-12-05 11:36:23

Local clock offset: 0.8 ms

Remote clock offset: -0.497 ms

Below is generated by plot.py at 2017-12-05 16:22:48

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.80 Mbit/s

95th percentile per-packet one-way delay: 34.036 ms

Loss rate: 0.32%

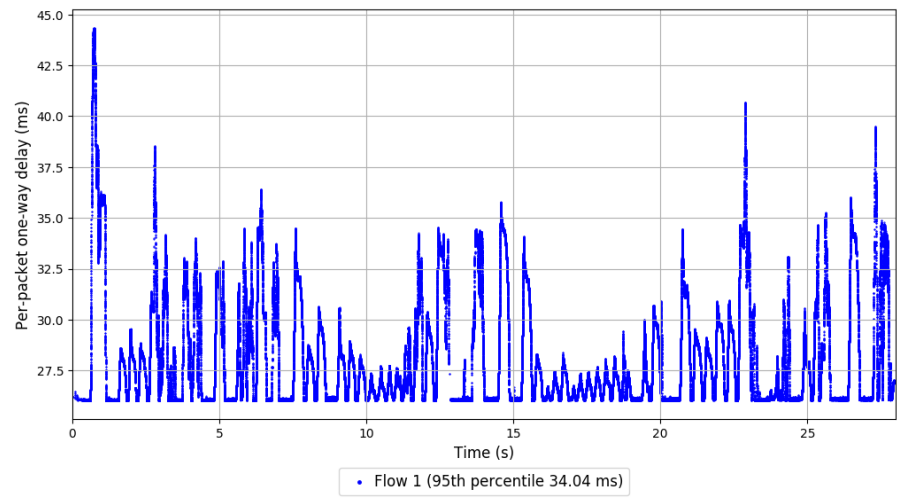
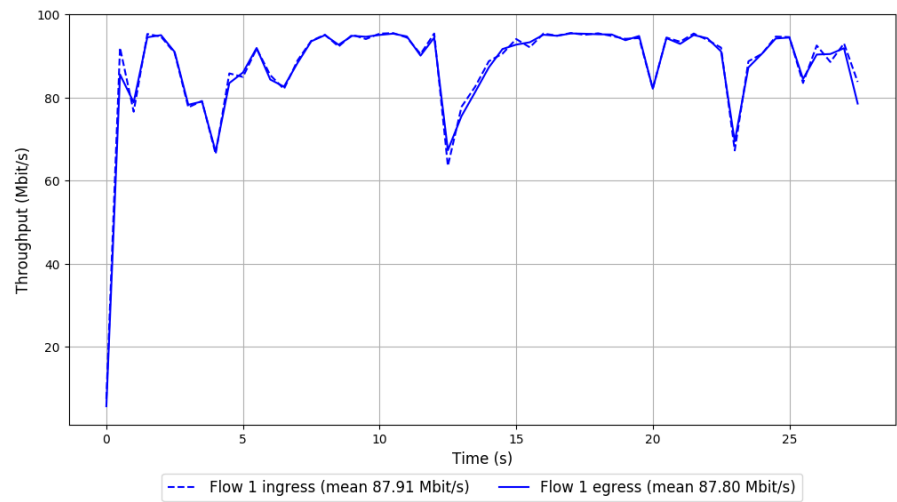
-- Flow 1:

Average throughput: 87.80 Mbit/s

95th percentile per-packet one-way delay: 34.036 ms

Loss rate: 0.32%

Run 6: Report of Copa — Data Link

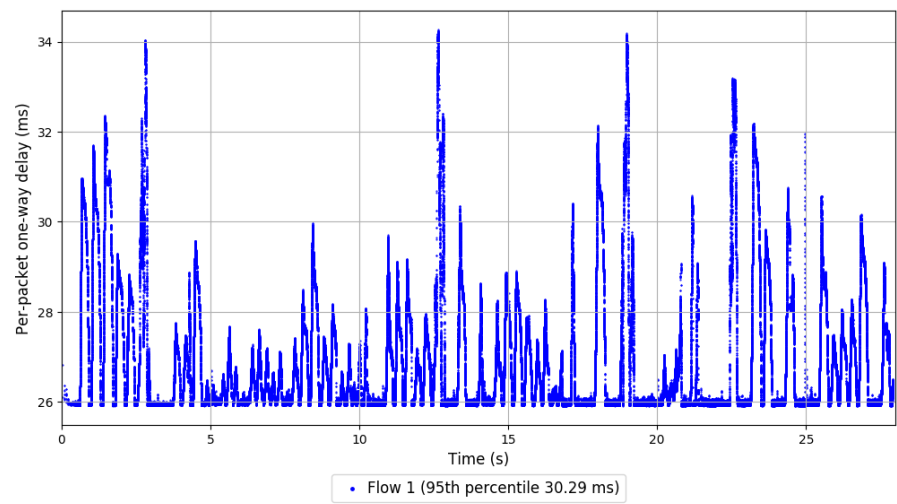
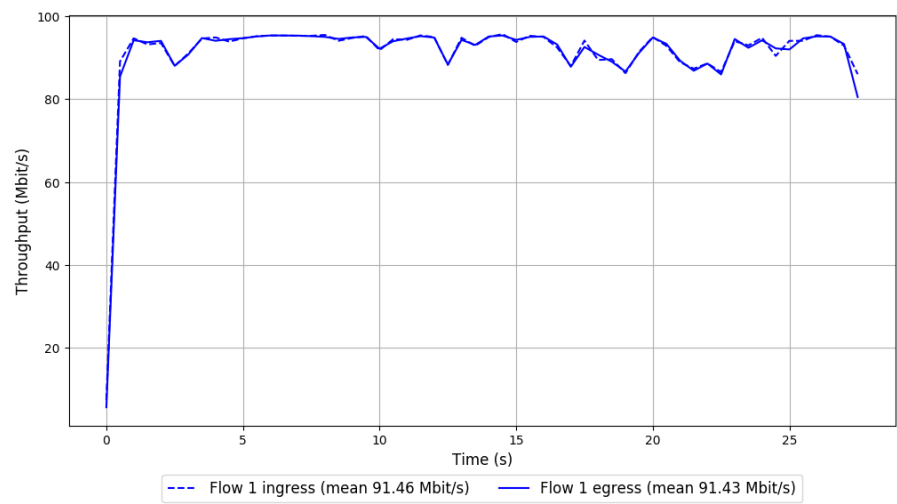


Run 7: Statistics of Copa

Start at: 2017-12-05 11:54:30
End at: 2017-12-05 11:55:00
Local clock offset: 0.551 ms
Remote clock offset: -0.634 ms

Below is generated by plot.py at 2017-12-05 16:23:15
Datalink statistics
-- Total of 1 flow:
Average throughput: 91.43 Mbit/s
95th percentile per-packet one-way delay: 30.290 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 91.43 Mbit/s
95th percentile per-packet one-way delay: 30.290 ms
Loss rate: 0.23%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2017-12-05 12:13:28

End at: 2017-12-05 12:13:58

Local clock offset: 0.431 ms

Remote clock offset: 0.045 ms

Below is generated by plot.py at 2017-12-05 16:23:23

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.59 Mbit/s

95th percentile per-packet one-way delay: 31.428 ms

Loss rate: 0.33%

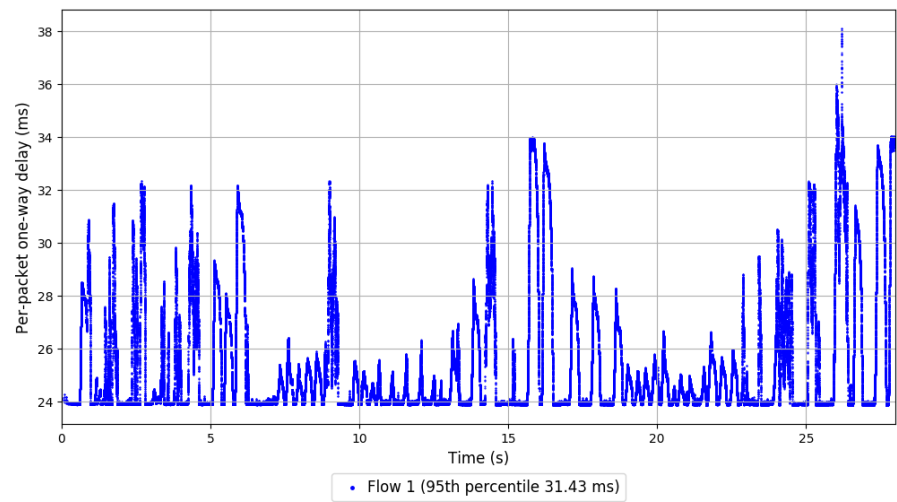
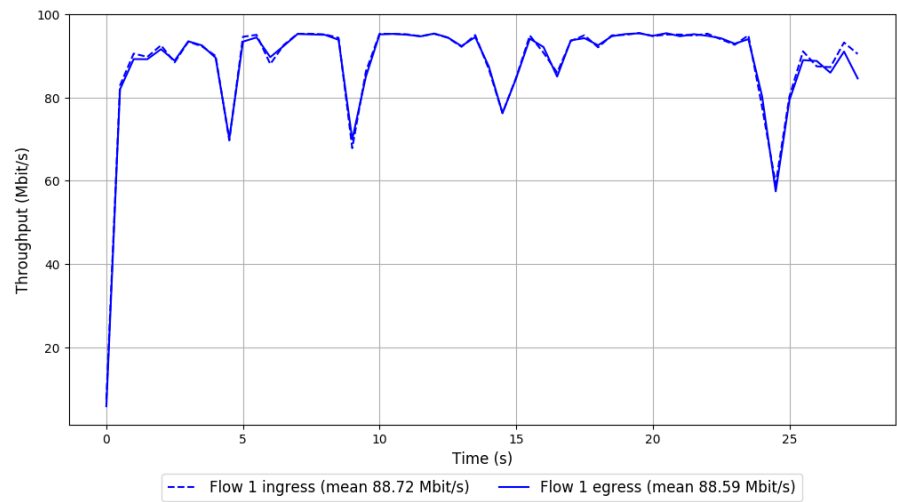
-- Flow 1:

Average throughput: 88.59 Mbit/s

95th percentile per-packet one-way delay: 31.428 ms

Loss rate: 0.33%

Run 8: Report of Copa — Data Link

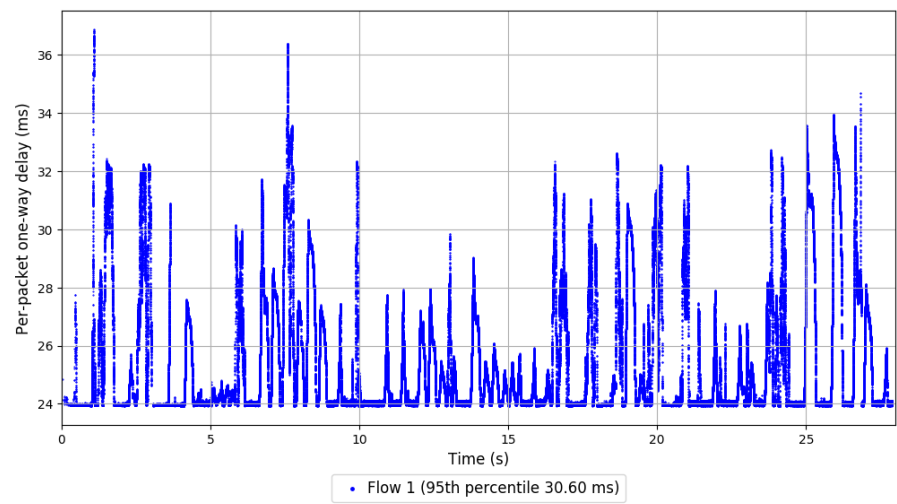
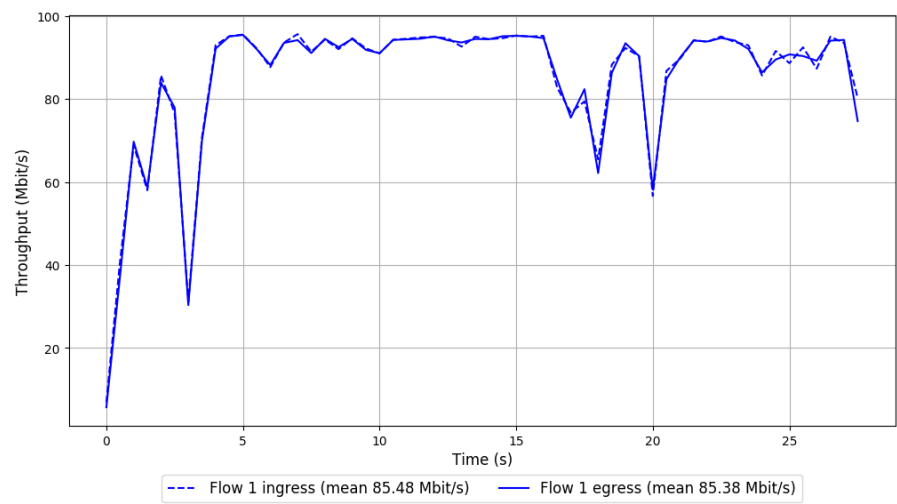


Run 9: Statistics of Copa

Start at: 2017-12-05 12:32:03
End at: 2017-12-05 12:32:33
Local clock offset: 0.31 ms
Remote clock offset: -0.981 ms

Below is generated by plot.py at 2017-12-05 16:24:28
Datalink statistics
-- Total of 1 flow:
Average throughput: 85.38 Mbit/s
95th percentile per-packet one-way delay: 30.602 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 85.38 Mbit/s
95th percentile per-packet one-way delay: 30.602 ms
Loss rate: 0.31%

Run 9: Report of Copa — Data Link

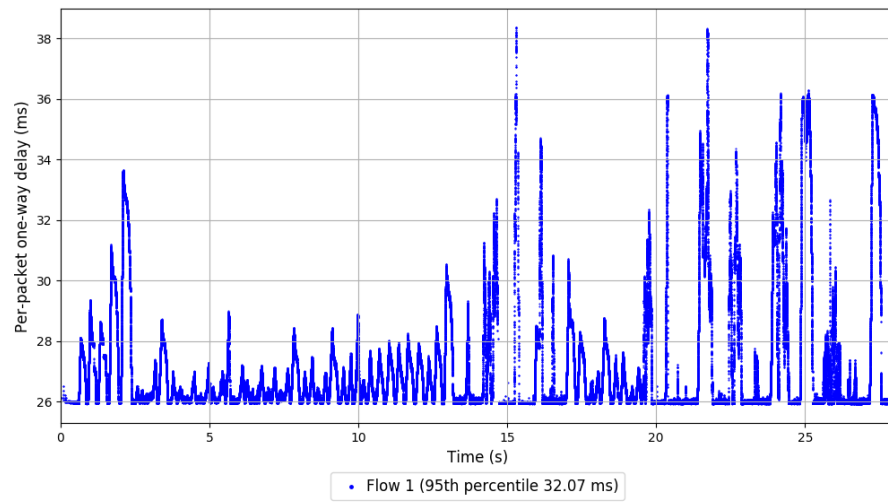
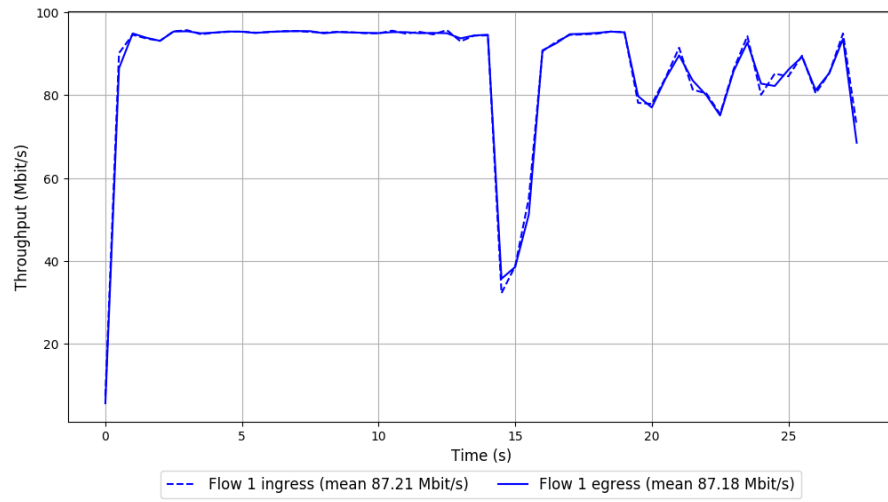


Run 10: Statistics of Copa

Start at: 2017-12-05 12:50:36
End at: 2017-12-05 12:51:06
Local clock offset: 0.261 ms
Remote clock offset: -3.033 ms

Below is generated by plot.py at 2017-12-05 16:24:44
Datalink statistics
-- Total of 1 flow:
Average throughput: 87.18 Mbit/s
95th percentile per-packet one-way delay: 32.070 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 87.18 Mbit/s
95th percentile per-packet one-way delay: 32.070 ms
Loss rate: 0.22%

Run 10: Report of Copa — Data Link



Run 1: Statistics of Indigo

Start at: 2017-12-05 09:47:54

End at: 2017-12-05 09:48:24

Local clock offset: 0.94 ms

Remote clock offset: -2.26 ms

Below is generated by plot.py at 2017-12-05 16:24:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.68 Mbit/s

95th percentile per-packet one-way delay: 33.561 ms

Loss rate: 0.29%

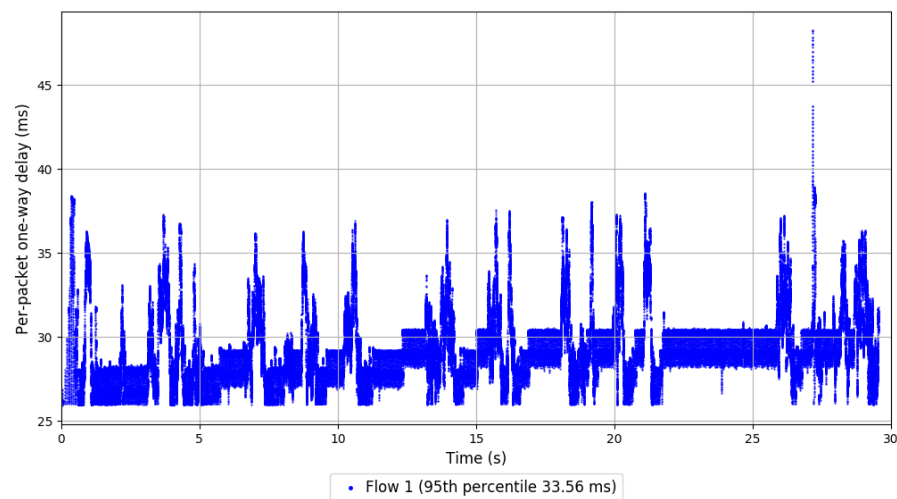
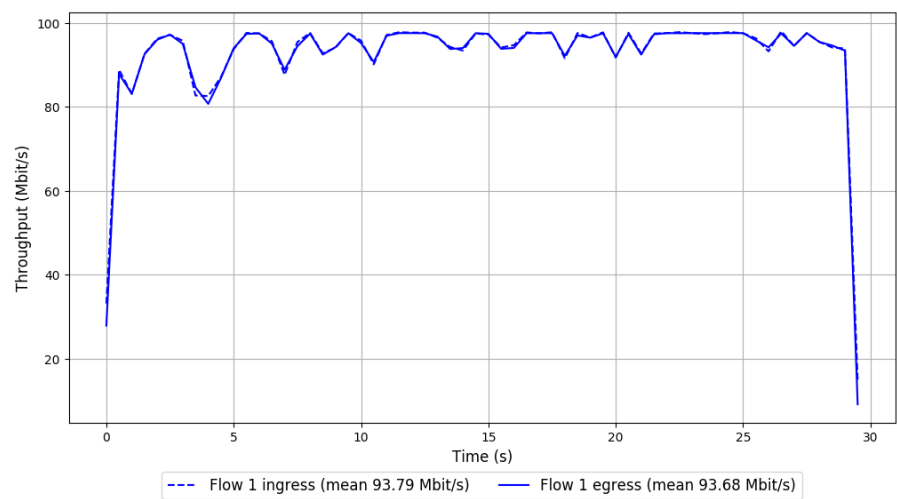
-- Flow 1:

Average throughput: 93.68 Mbit/s

95th percentile per-packet one-way delay: 33.561 ms

Loss rate: 0.29%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2017-12-05 10:06:39

End at: 2017-12-05 10:07:09

Local clock offset: 1.043 ms

Remote clock offset: 0.391 ms

Below is generated by plot.py at 2017-12-05 16:24:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.94 Mbit/s

95th percentile per-packet one-way delay: 31.059 ms

Loss rate: 0.29%

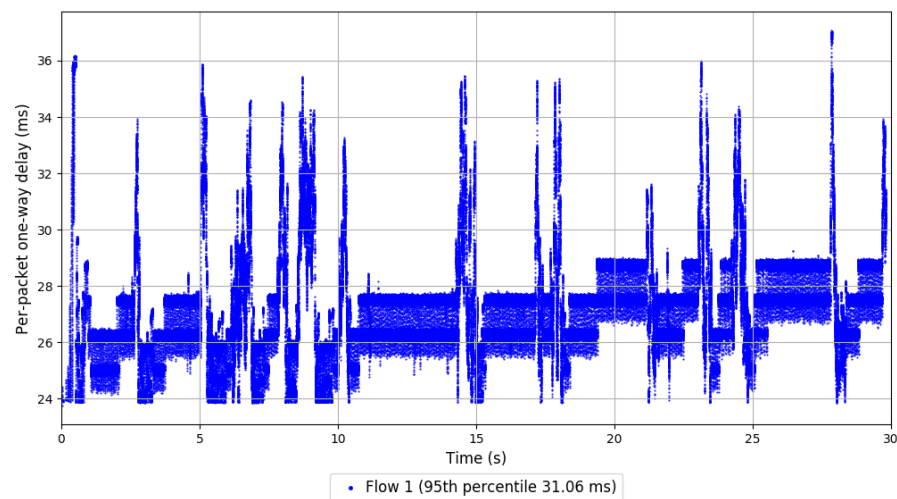
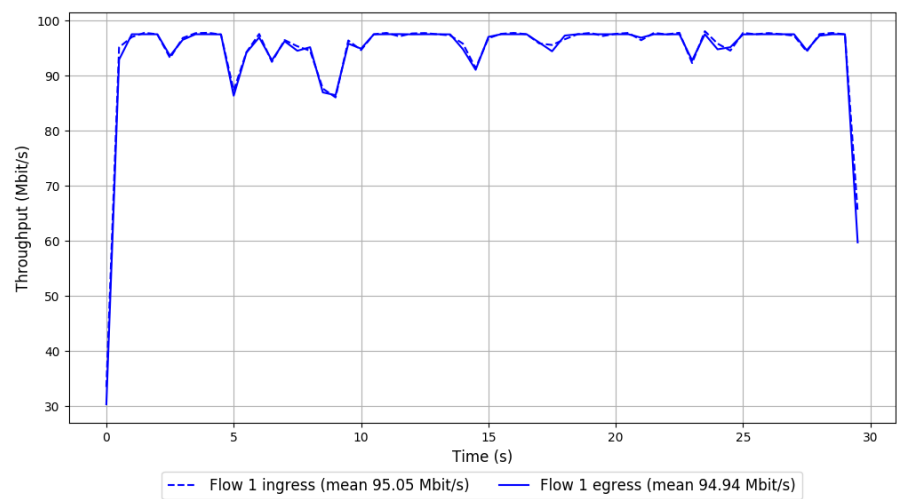
-- Flow 1:

Average throughput: 94.94 Mbit/s

95th percentile per-packet one-way delay: 31.059 ms

Loss rate: 0.29%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-12-05 10:25:14

End at: 2017-12-05 10:25:44

Local clock offset: 1.183 ms

Remote clock offset: 1.458 ms

Below is generated by plot.py at 2017-12-05 16:24:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.47 Mbit/s

95th percentile per-packet one-way delay: 31.072 ms

Loss rate: 0.32%

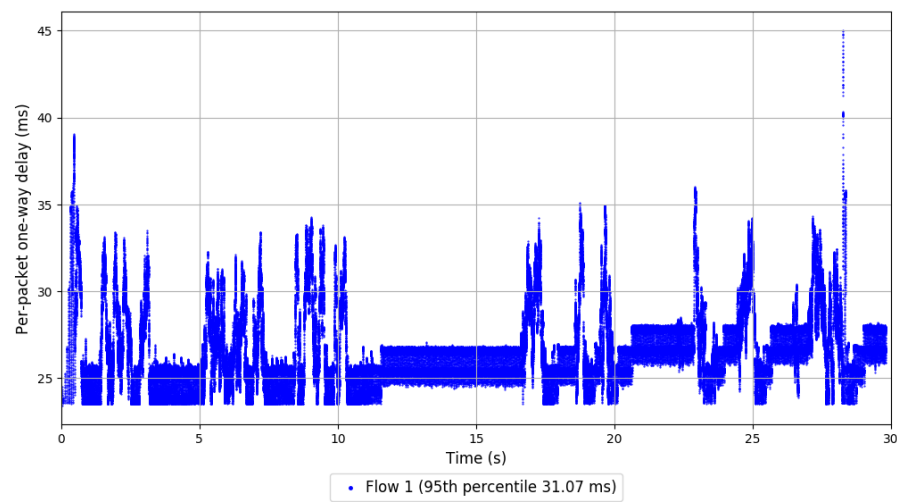
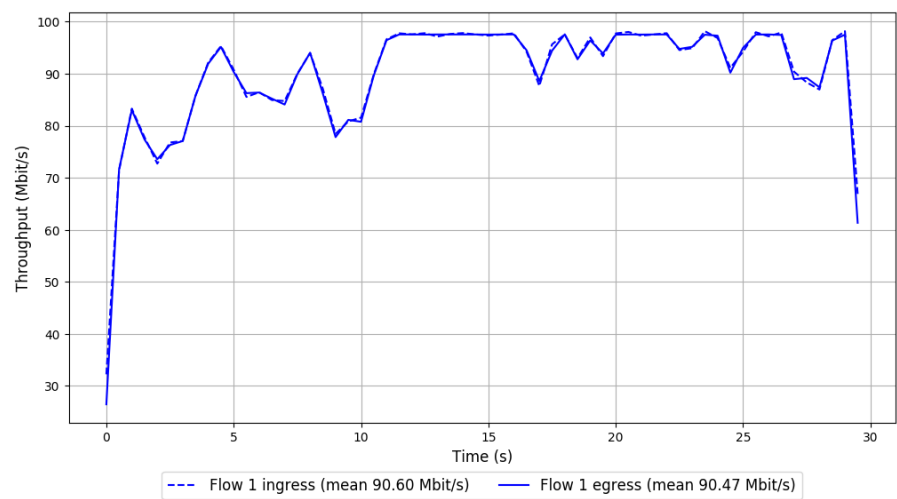
-- Flow 1:

Average throughput: 90.47 Mbit/s

95th percentile per-packet one-way delay: 31.072 ms

Loss rate: 0.32%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2017-12-05 10:43:52

End at: 2017-12-05 10:44:22

Local clock offset: 1.052 ms

Remote clock offset: 1.89 ms

Below is generated by plot.py at 2017-12-05 16:24:44

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.49 Mbit/s

95th percentile per-packet one-way delay: 30.481 ms

Loss rate: 0.26%

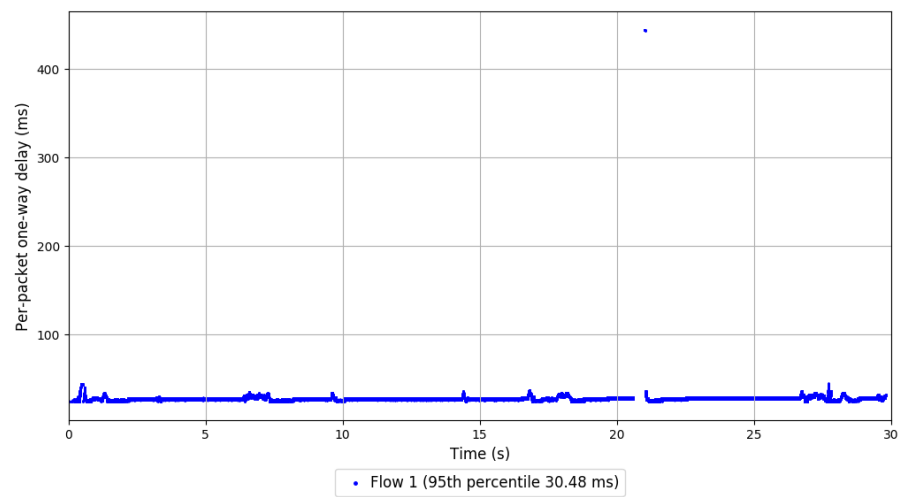
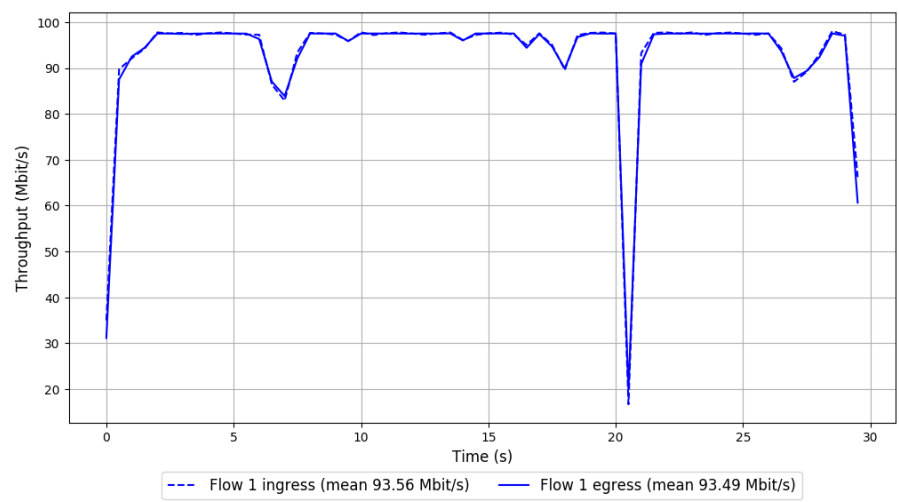
-- Flow 1:

Average throughput: 93.49 Mbit/s

95th percentile per-packet one-way delay: 30.481 ms

Loss rate: 0.26%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2017-12-05 11:02:29

End at: 2017-12-05 11:03:00

Local clock offset: 1.008 ms

Remote clock offset: 2.075 ms

Below is generated by plot.py at 2017-12-05 16:24:45

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.24 Mbit/s

95th percentile per-packet one-way delay: 31.507 ms

Loss rate: 0.30%

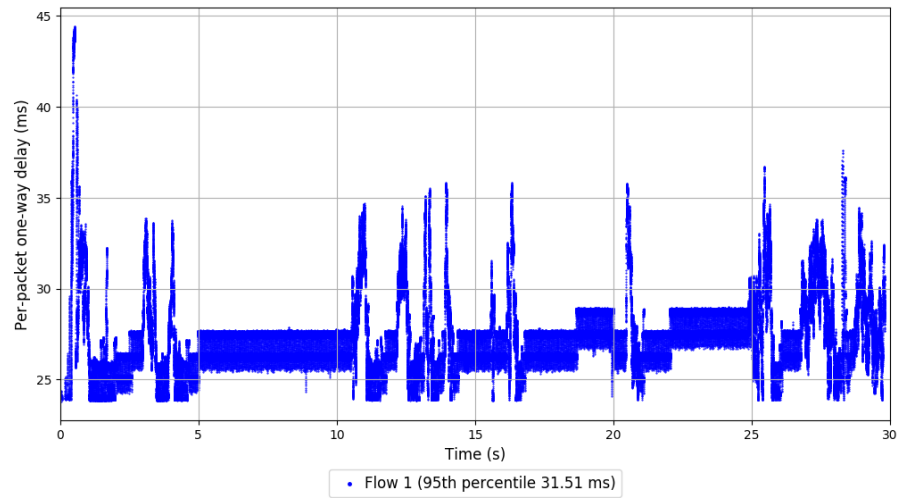
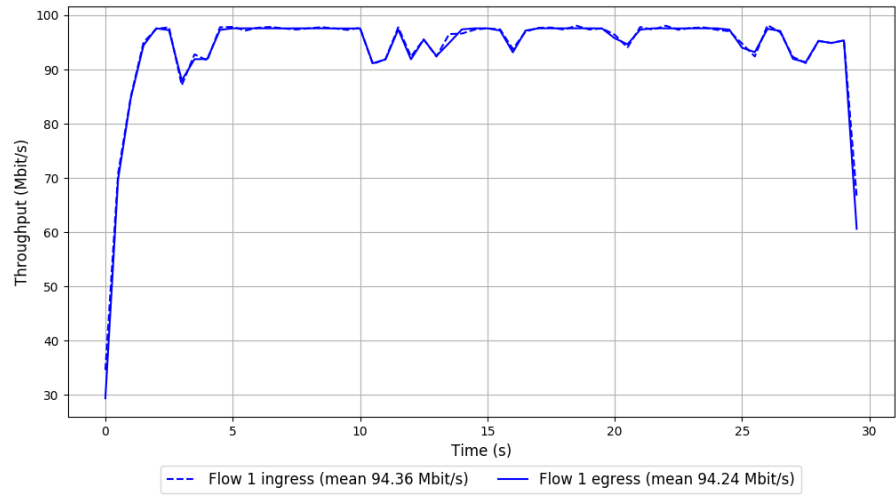
-- Flow 1:

Average throughput: 94.24 Mbit/s

95th percentile per-packet one-way delay: 31.507 ms

Loss rate: 0.30%

Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2017-12-05 11:21:06

End at: 2017-12-05 11:21:36

Local clock offset: 0.871 ms

Remote clock offset: 2.36 ms

Below is generated by plot.py at 2017-12-05 16:24:52

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.90 Mbit/s

95th percentile per-packet one-way delay: 31.200 ms

Loss rate: 0.38%

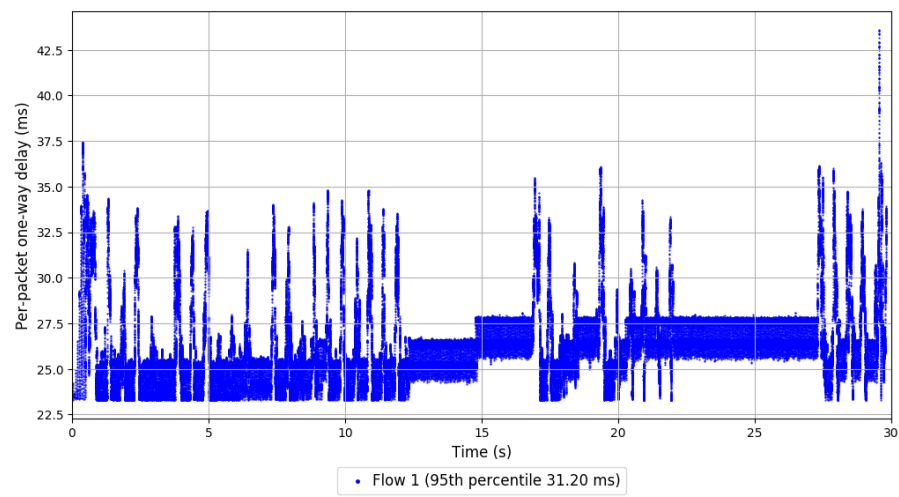
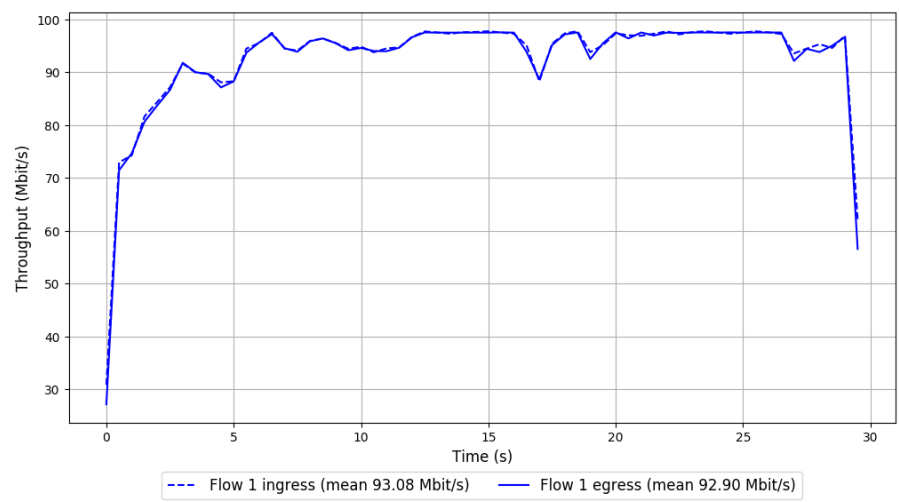
-- Flow 1:

Average throughput: 92.90 Mbit/s

95th percentile per-packet one-way delay: 31.200 ms

Loss rate: 0.38%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2017-12-05 11:39:54

End at: 2017-12-05 11:40:24

Local clock offset: 0.736 ms

Remote clock offset: 1.704 ms

Below is generated by plot.py at 2017-12-05 16:25:25

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.38 Mbit/s

95th percentile per-packet one-way delay: 30.223 ms

Loss rate: 0.24%

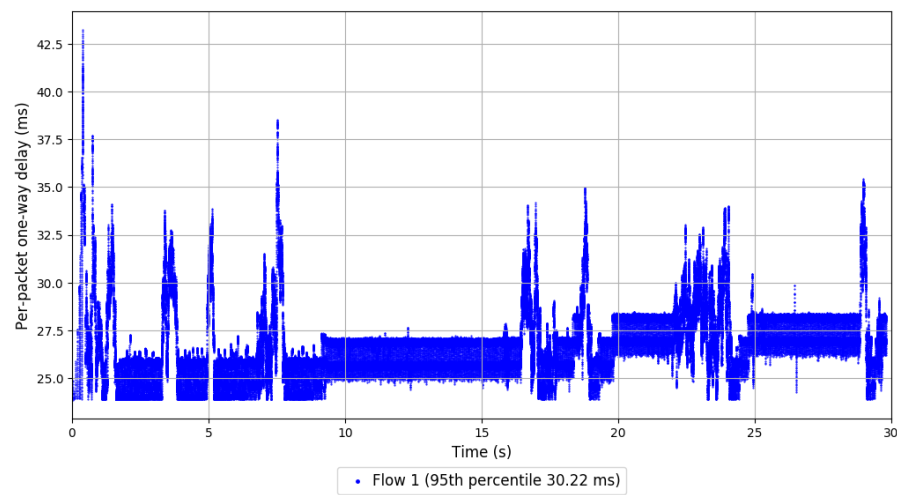
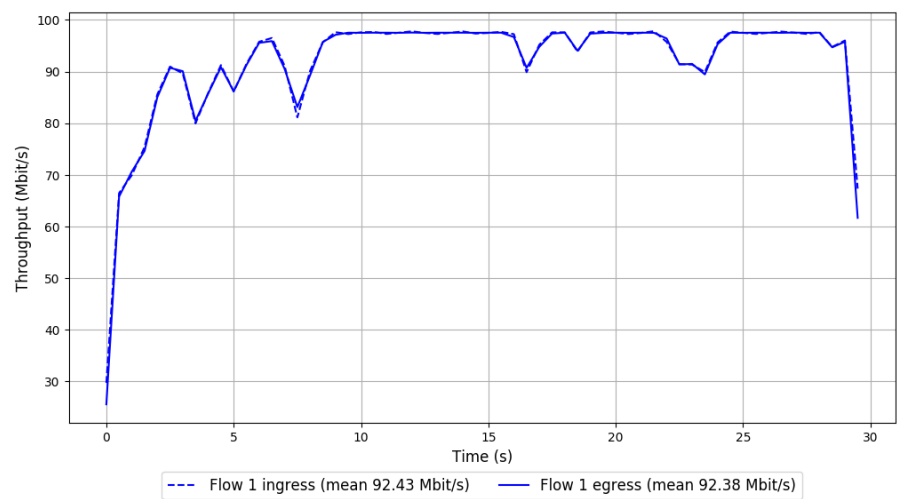
-- Flow 1:

Average throughput: 92.38 Mbit/s

95th percentile per-packet one-way delay: 30.223 ms

Loss rate: 0.24%

Run 7: Report of Indigo — Data Link

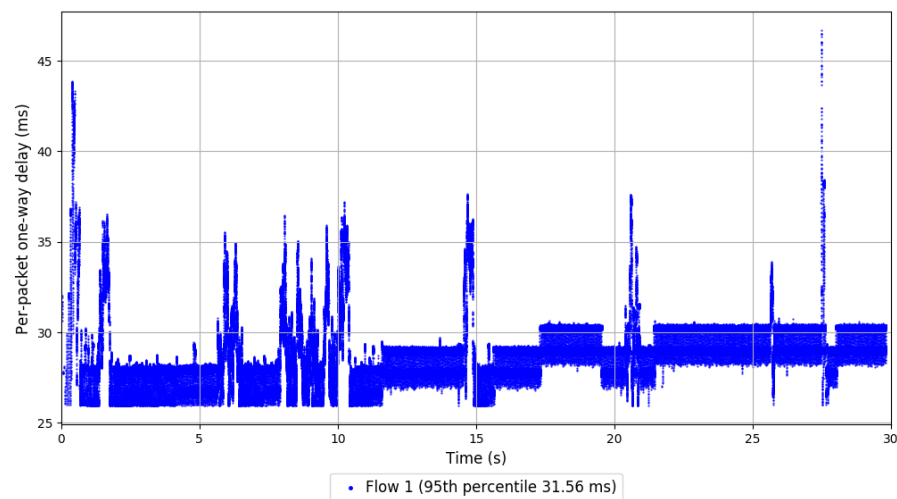
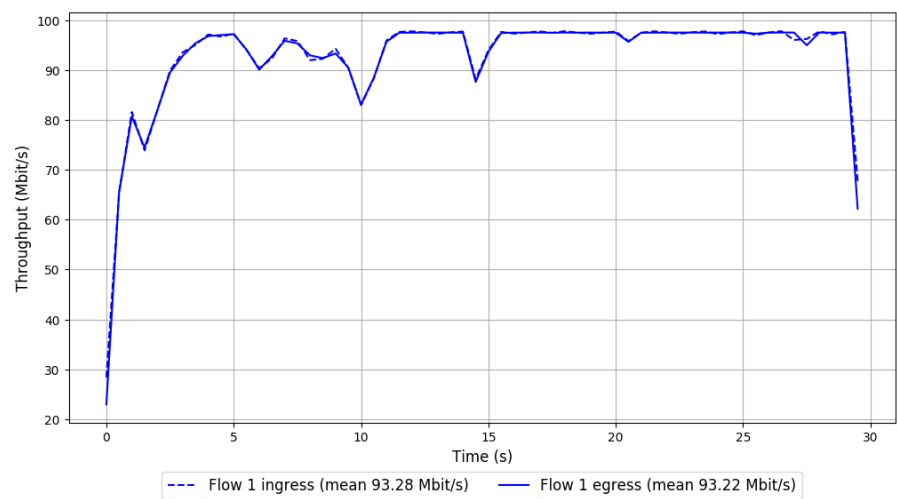


Run 8: Statistics of Indigo

Start at: 2017-12-05 11:58:45
End at: 2017-12-05 11:59:15
Local clock offset: 0.409 ms
Remote clock offset: -0.847 ms

Below is generated by plot.py at 2017-12-05 16:25:31
Datalink statistics
-- Total of 1 flow:
Average throughput: 93.22 Mbit/s
95th percentile per-packet one-way delay: 31.558 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 93.22 Mbit/s
95th percentile per-packet one-way delay: 31.558 ms
Loss rate: 0.26%

Run 8: Report of Indigo — Data Link

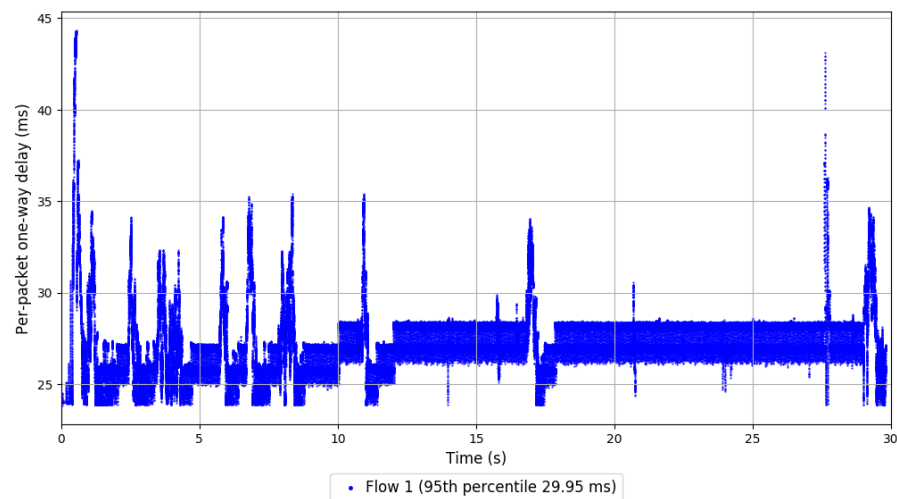
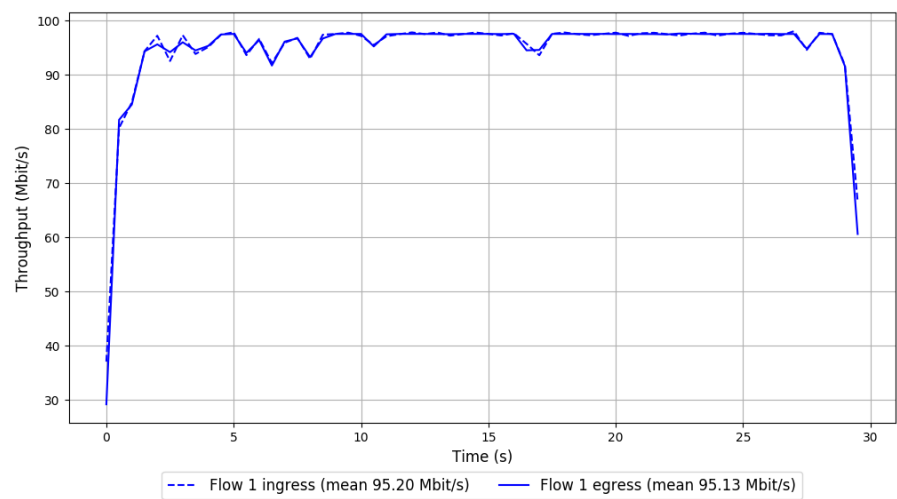


Run 9: Statistics of Indigo

Start at: 2017-12-05 12:17:32
End at: 2017-12-05 12:18:02
Local clock offset: 0.359 ms
Remote clock offset: -0.308 ms

Below is generated by plot.py at 2017-12-05 16:25:37
Datalink statistics
-- Total of 1 flow:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 29.945 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 29.945 ms
Loss rate: 0.26%

Run 9: Report of Indigo — Data Link

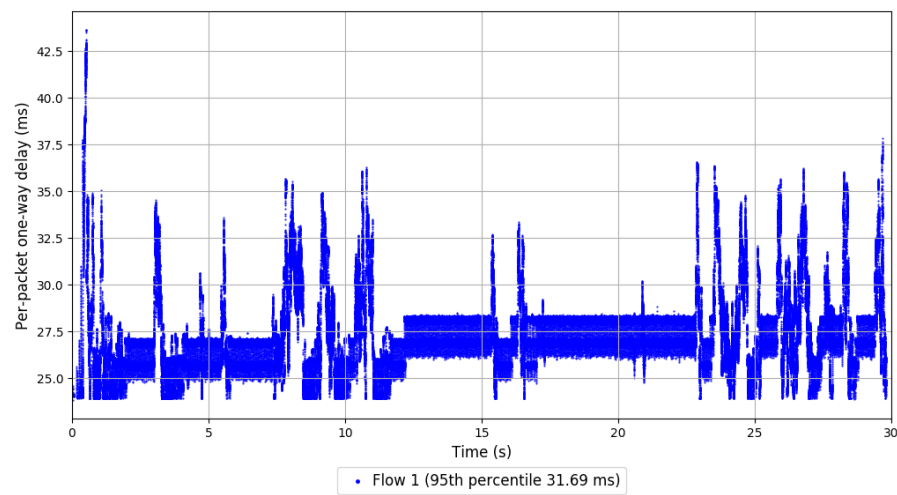
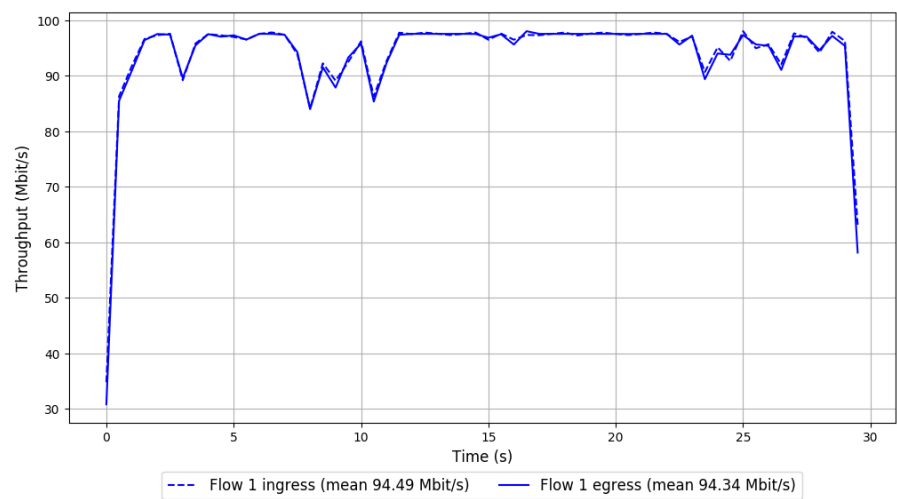


```
Run 10: Statistics of Indigo

Start at: 2017-12-05 12:36:02
End at: 2017-12-05 12:36:32
Local clock offset: 0.393 ms
Remote clock offset: -0.91 ms

# Below is generated by plot.py at 2017-12-05 16:25:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 31.689 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 31.689 ms
Loss rate: 0.33%
```

Run 10: Report of Indigo — Data Link

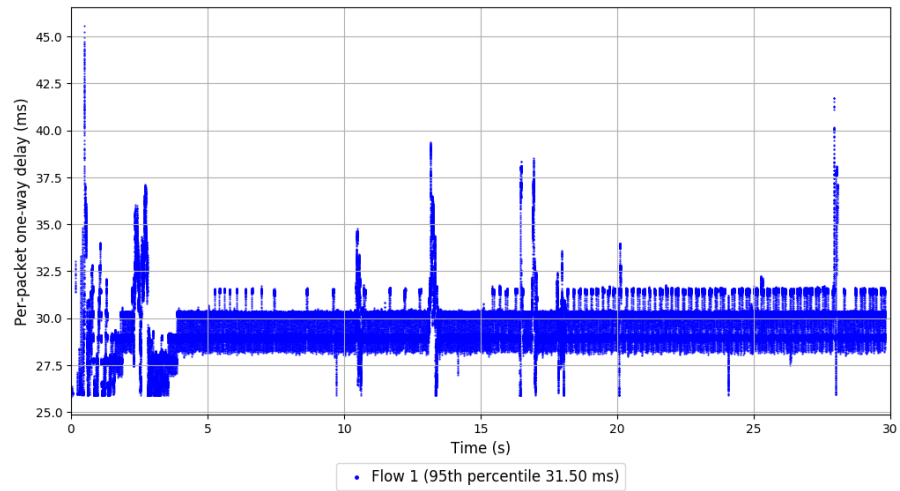
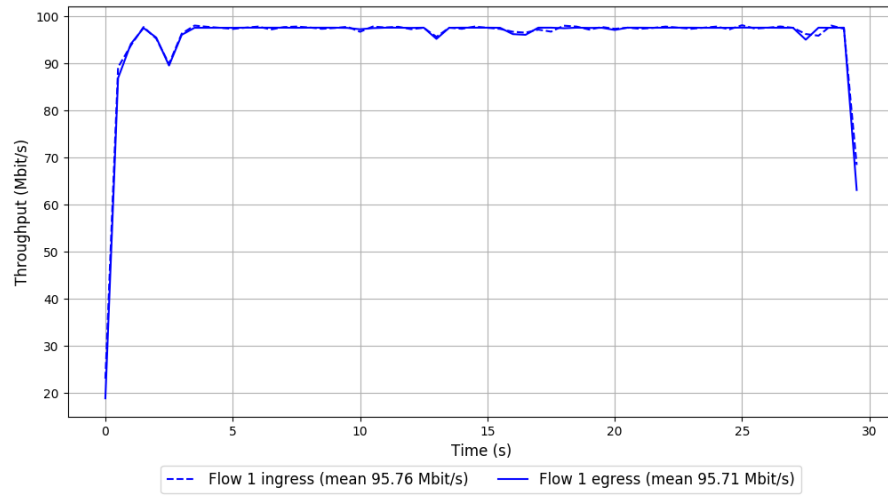


```
Run 1: Statistics of Indigo-calib

Start at: 2017-12-05 09:57:13
End at: 2017-12-05 09:57:43
Local clock offset: 1.007 ms
Remote clock offset: -1.984 ms

# Below is generated by plot.py at 2017-12-05 16:25:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 31.498 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 31.498 ms
Loss rate: 0.23%
```

Run 1: Report of Indigo-calib — Data Link

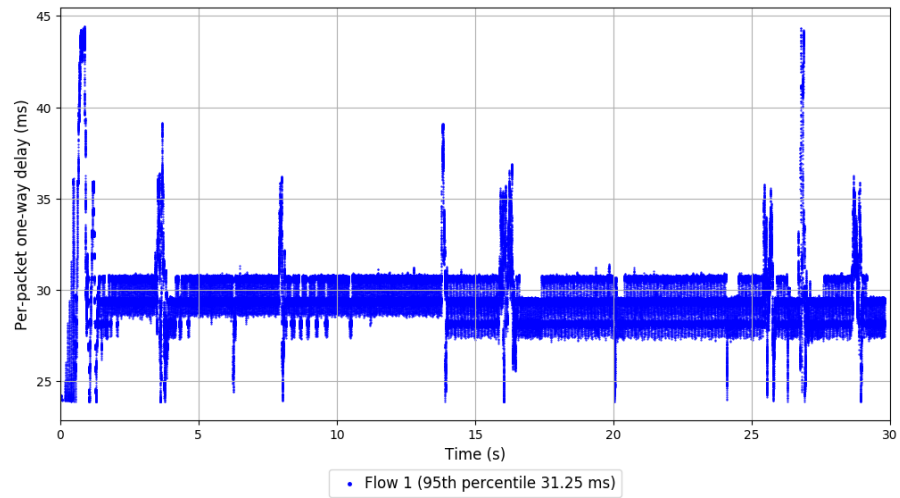
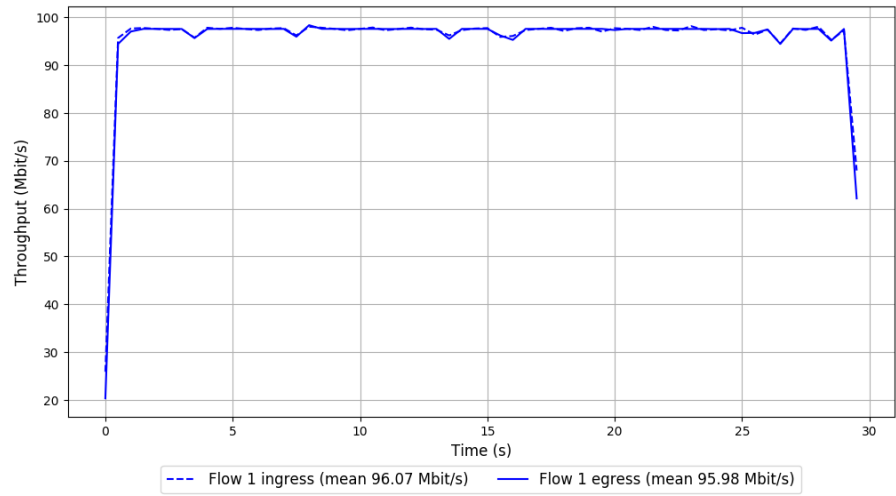


```
Run 2: Statistics of Indigo-calib

Start at: 2017-12-05 10:15:52
End at: 2017-12-05 10:16:22
Local clock offset: 1.17 ms
Remote clock offset: 0.779 ms

# Below is generated by plot.py at 2017-12-05 16:26:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 31.250 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 31.250 ms
Loss rate: 0.27%
```

Run 2: Report of Indigo-calib — Data Link



Run 3: Statistics of Indigo-calib

Start at: 2017-12-05 10:34:29

End at: 2017-12-05 10:34:59

Local clock offset: 1.091 ms

Remote clock offset: 1.215 ms

Below is generated by plot.py at 2017-12-05 16:26:12

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.85 Mbit/s

95th percentile per-packet one-way delay: 31.123 ms

Loss rate: 0.30%

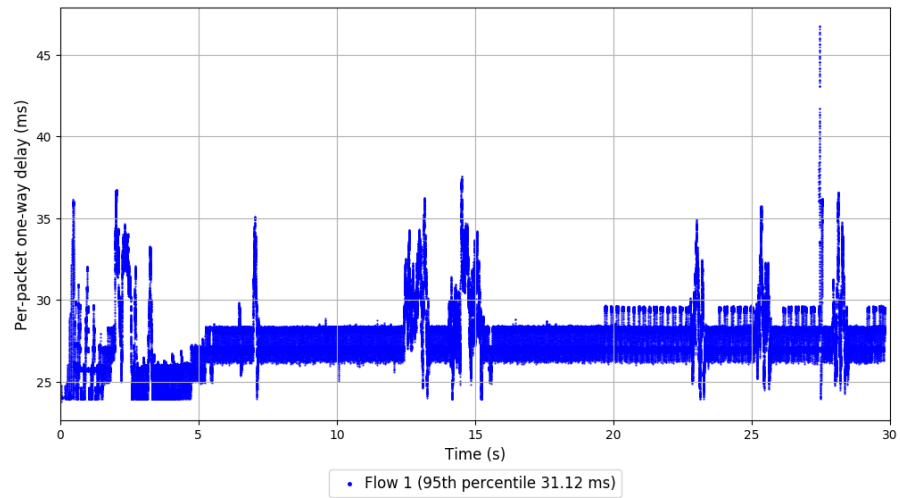
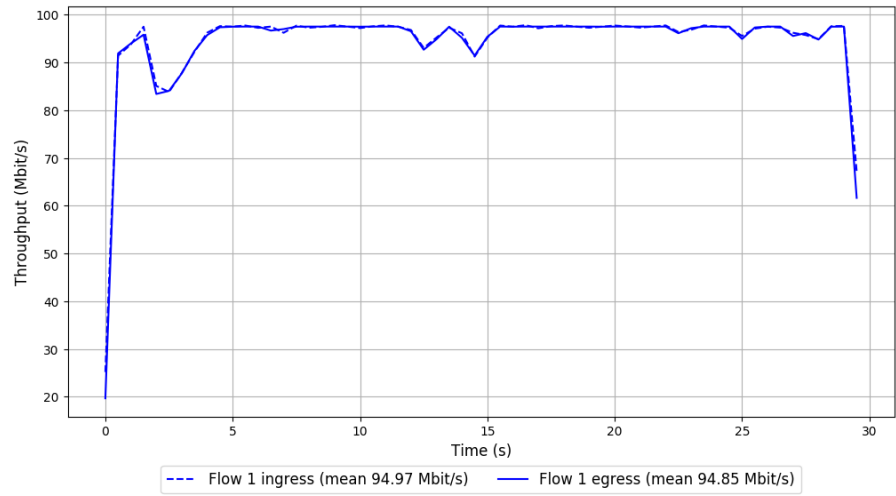
-- Flow 1:

Average throughput: 94.85 Mbit/s

95th percentile per-packet one-way delay: 31.123 ms

Loss rate: 0.30%

Run 3: Report of Indigo-calib — Data Link



Run 4: Statistics of Indigo-calib

Start at: 2017-12-05 10:53:02

End at: 2017-12-05 10:53:32

Local clock offset: 1.001 ms

Remote clock offset: 1.777 ms

Below is generated by plot.py at 2017-12-05 16:26:17

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.87 Mbit/s

95th percentile per-packet one-way delay: 30.683 ms

Loss rate: 0.27%

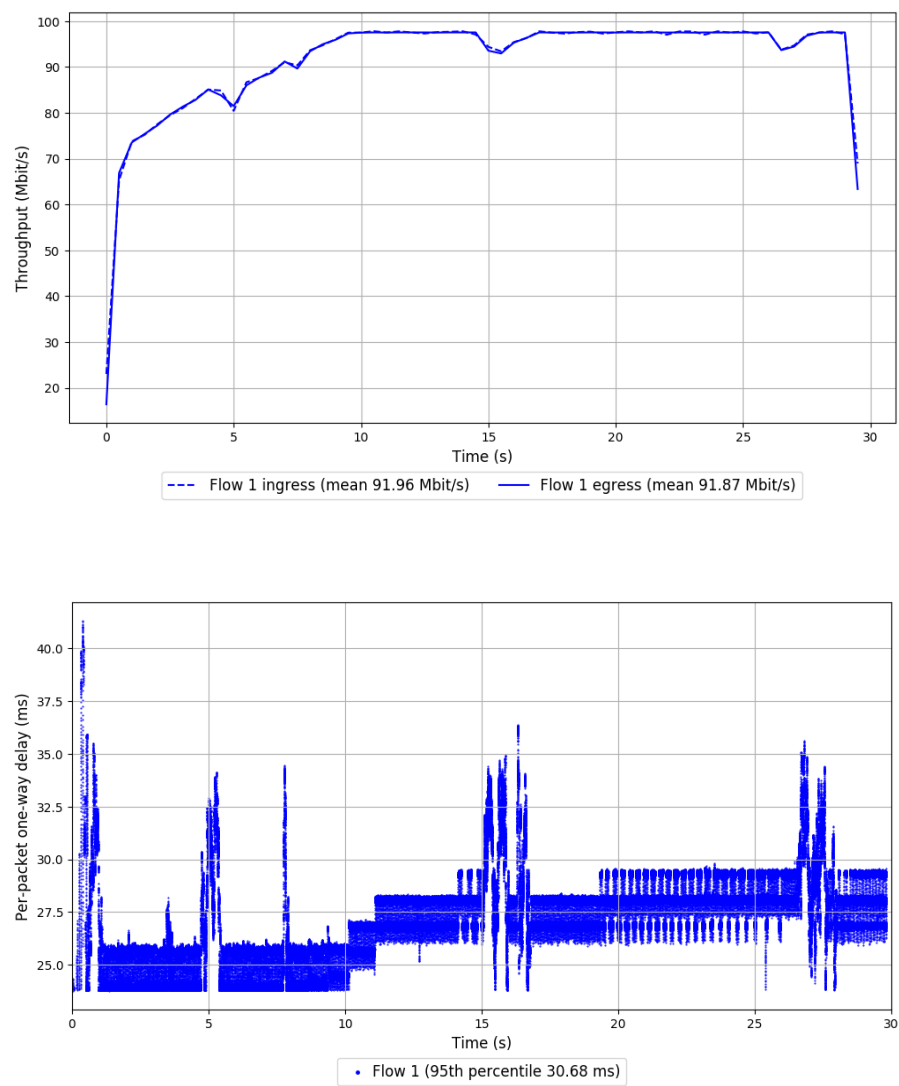
-- Flow 1:

Average throughput: 91.87 Mbit/s

95th percentile per-packet one-way delay: 30.683 ms

Loss rate: 0.27%

Run 4: Report of Indigo-calib — Data Link



Run 5: Statistics of Indigo-calib

Start at: 2017-12-05 11:11:40

End at: 2017-12-05 11:12:10

Local clock offset: 1.009 ms

Remote clock offset: 2.645 ms

Below is generated by plot.py at 2017-12-05 16:26:46

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.53 Mbit/s

95th percentile per-packet one-way delay: 30.006 ms

Loss rate: 0.30%

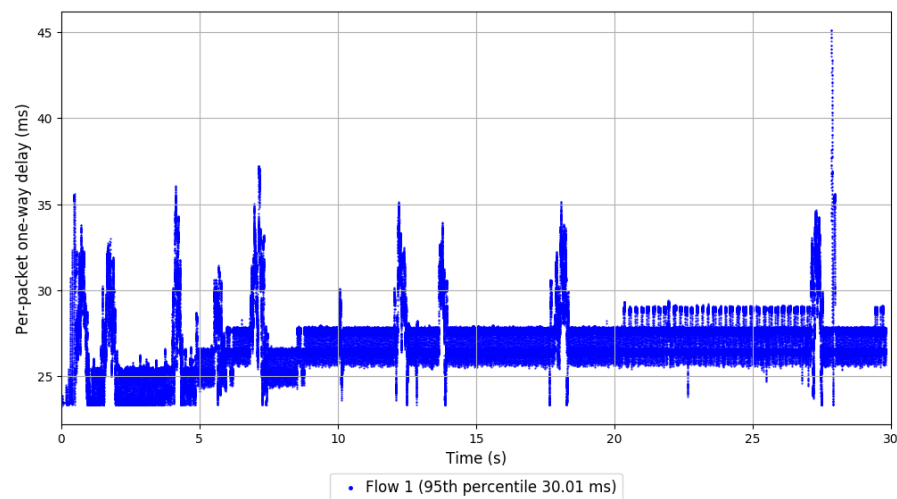
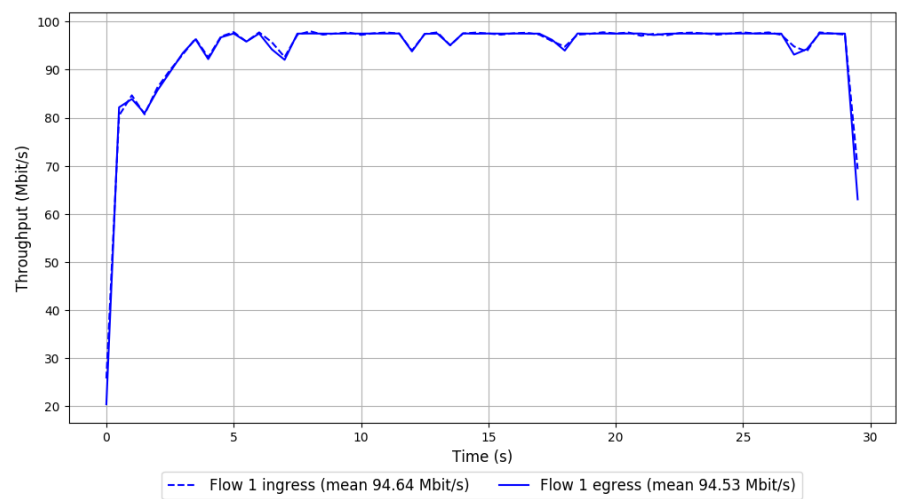
-- Flow 1:

Average throughput: 94.53 Mbit/s

95th percentile per-packet one-way delay: 30.006 ms

Loss rate: 0.30%

Run 5: Report of Indigo-calib — Data Link



Run 6: Statistics of Indigo-calib

Start at: 2017-12-05 11:30:28

End at: 2017-12-05 11:30:58

Local clock offset: 0.763 ms

Remote clock offset: 1.663 ms

Below is generated by plot.py at 2017-12-05 16:26:47

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.56 Mbit/s

95th percentile per-packet one-way delay: 31.812 ms

Loss rate: 0.33%

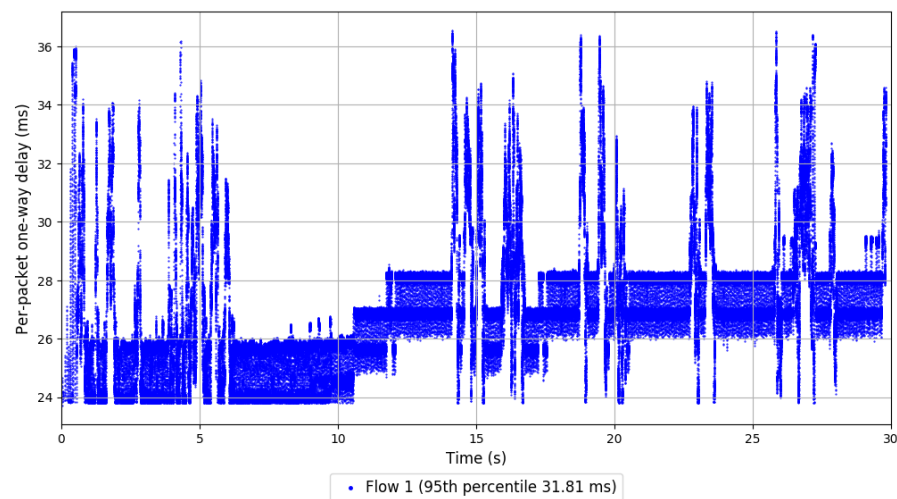
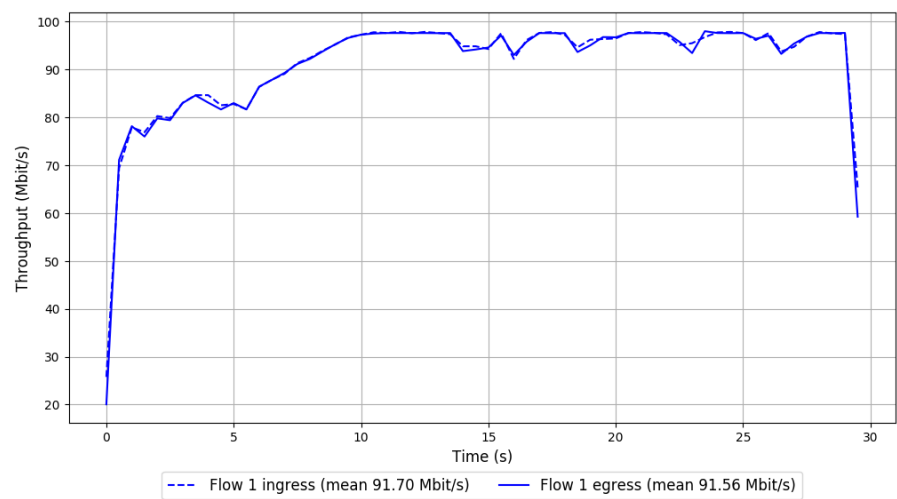
-- Flow 1:

Average throughput: 91.56 Mbit/s

95th percentile per-packet one-way delay: 31.812 ms

Loss rate: 0.33%

Run 6: Report of Indigo-calib — Data Link



Run 7: Statistics of Indigo-calib

Start at: 2017-12-05 11:49:05

End at: 2017-12-05 11:49:35

Local clock offset: 0.648 ms

Remote clock offset: 2.077 ms

Below is generated by plot.py at 2017-12-05 16:26:53

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.59 Mbit/s

95th percentile per-packet one-way delay: 30.315 ms

Loss rate: 0.28%

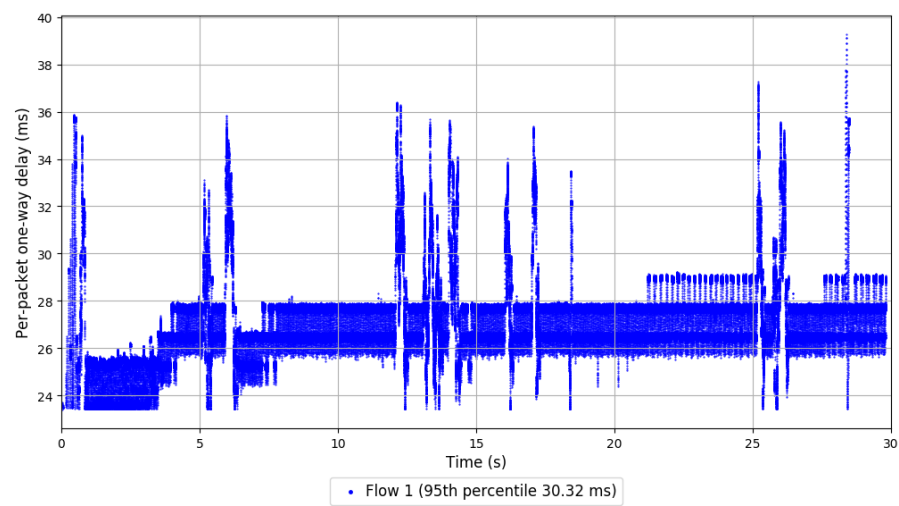
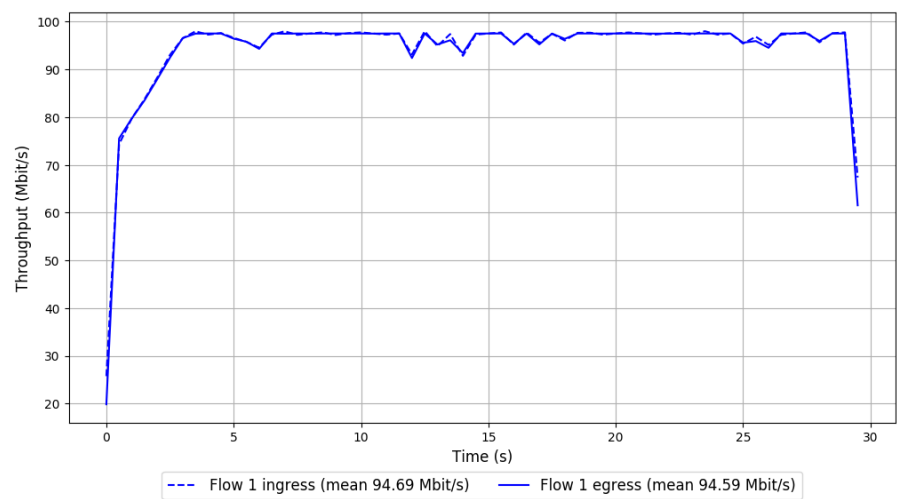
-- Flow 1:

Average throughput: 94.59 Mbit/s

95th percentile per-packet one-way delay: 30.315 ms

Loss rate: 0.28%

Run 7: Report of Indigo-calib — Data Link



Run 8: Statistics of Indigo-calib

Start at: 2017-12-05 12:07:56

End at: 2017-12-05 12:08:26

Local clock offset: 0.373 ms

Remote clock offset: 0.404 ms

Below is generated by plot.py at 2017-12-05 16:26:54

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.34 Mbit/s

95th percentile per-packet one-way delay: 29.381 ms

Loss rate: 0.23%

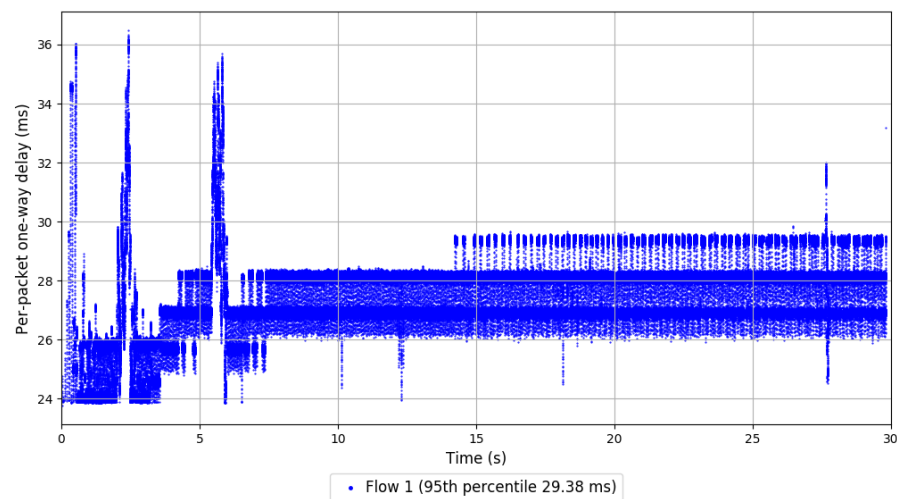
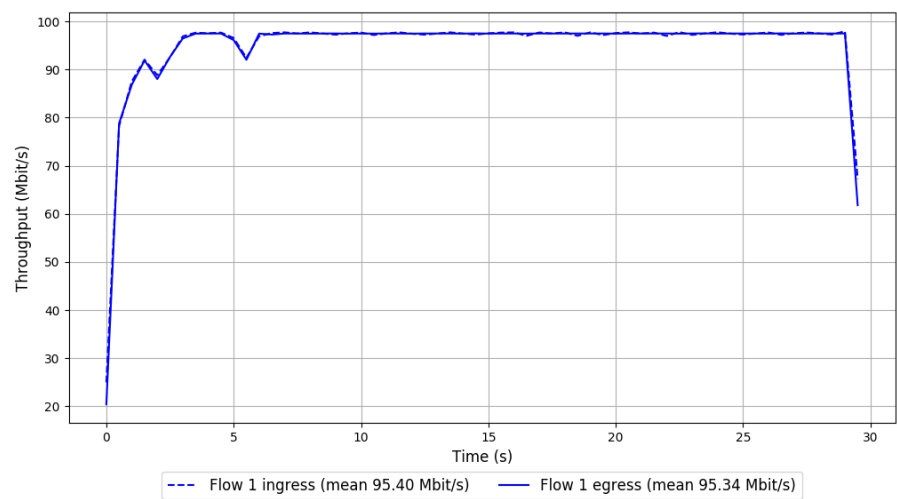
-- Flow 1:

Average throughput: 95.34 Mbit/s

95th percentile per-packet one-way delay: 29.381 ms

Loss rate: 0.23%

Run 8: Report of Indigo-calib — Data Link



Run 9: Statistics of Indigo-calib

Start at: 2017-12-05 12:26:40

End at: 2017-12-05 12:27:11

Local clock offset: 0.402 ms

Remote clock offset: -2.797 ms

Below is generated by plot.py at 2017-12-05 16:26:58

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 33.981 ms

Loss rate: 0.34%

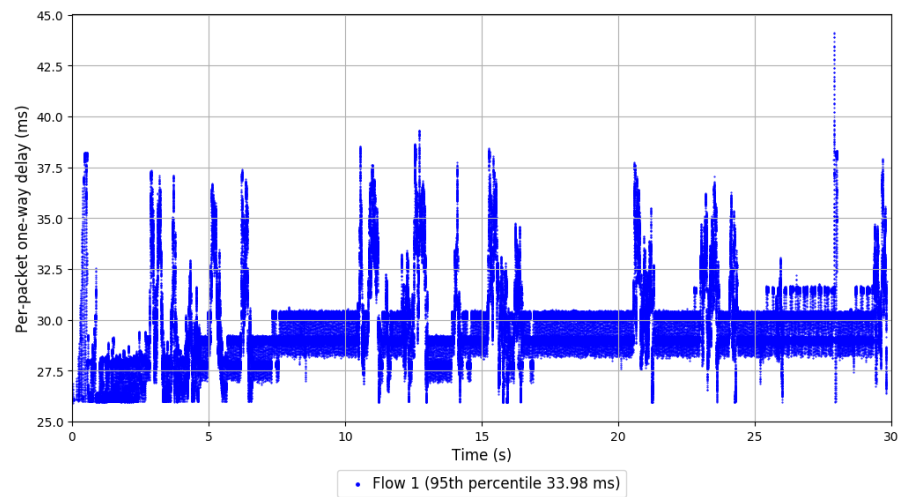
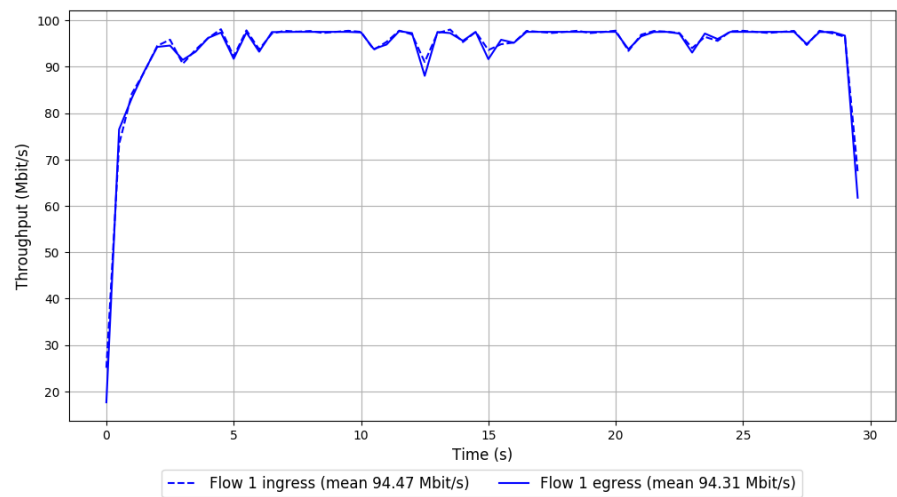
-- Flow 1:

Average throughput: 94.31 Mbit/s

95th percentile per-packet one-way delay: 33.981 ms

Loss rate: 0.34%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-12-05 12:45:11

End at: 2017-12-05 12:45:41

Local clock offset: 0.27 ms

Remote clock offset: -3.059 ms

Below is generated by plot.py at 2017-12-05 16:26:59

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.55 Mbit/s

95th percentile per-packet one-way delay: 31.430 ms

Loss rate: 0.21%

-- Flow 1:

Average throughput: 95.55 Mbit/s

95th percentile per-packet one-way delay: 31.430 ms

Loss rate: 0.21%

Run 10: Report of Indigo-calib — Data Link

