

## Pantheon Report

Generated at 2017-11-21 06:21:53 (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).

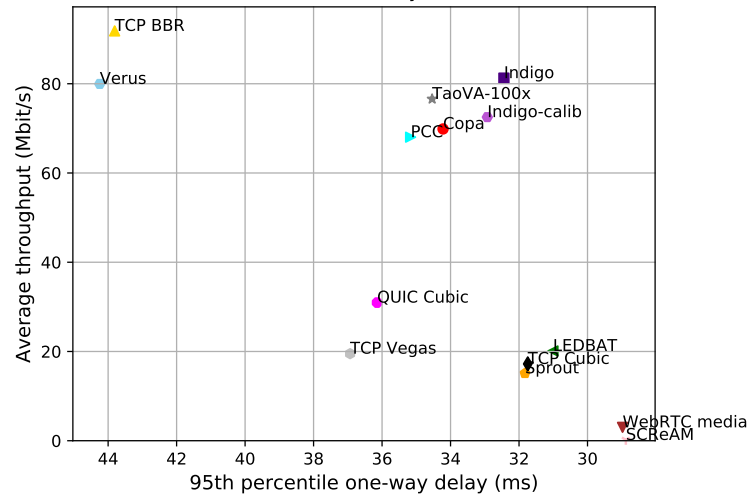
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

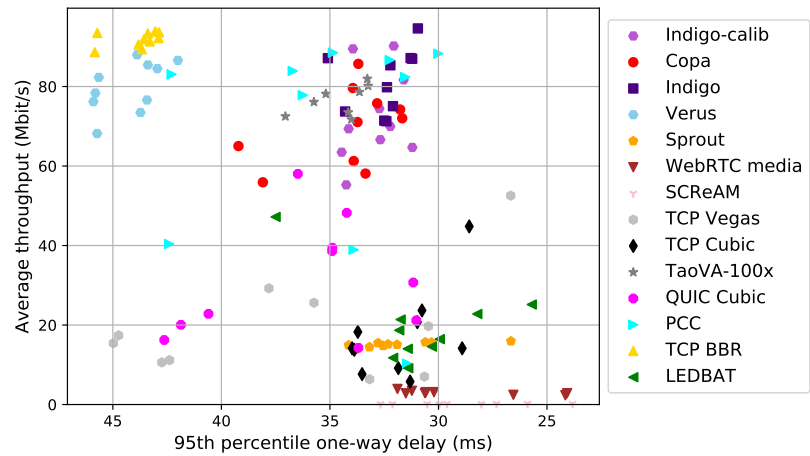
Git summary:

```
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	91.84	43.81	1.49
TCP Cubic	10	17.21	31.75	0.66
LEDBAT	10	20.12	31.01	0.52
PCC	10	68.03	35.17	1.06
QUIC Cubic	10	30.96	36.14	0.82
SCReAM	9	0.18	28.88	0.45
WebRTC media	9	3.00	28.98	0.94
Sprout	10	15.11	31.83	0.82
TaoVA-100x	8	76.59	34.54	1.40
TCP Vegas	10	19.51	36.93	0.61
Verus	10	79.96	44.24	1.44
Copa	10	69.87	34.22	0.96
Indigo	10	81.25	32.44	0.94
Indigo-calib	10	72.52	32.93	1.00

Run 1: Statistics of TCP BBR

Start at: 2017-11-20 23:33:30

End at: 2017-11-20 23:34:00

Local clock offset: 1.58 ms

Remote clock offset: -1.341 ms

# Below is generated by plot.py at 2017-11-21 06:09:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.48 Mbit/s

95th percentile per-packet one-way delay: 45.717 ms

Loss rate: 0.71%

-- Flow 1:

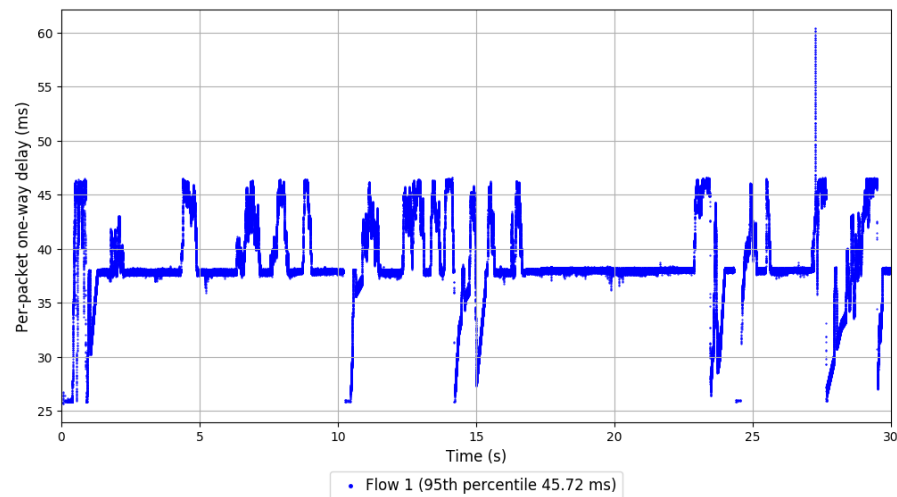
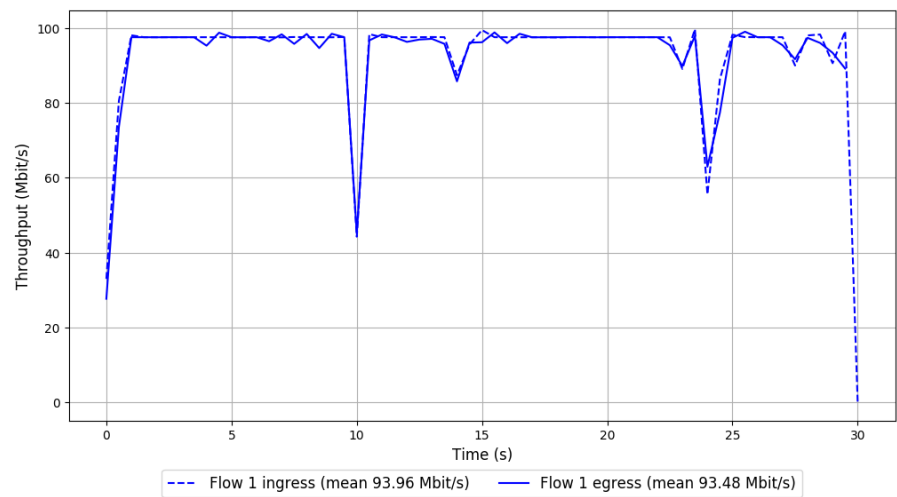
Average throughput: 93.48 Mbit/s

95th percentile per-packet one-way delay: 45.717 ms

Loss rate: 0.71%



Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2017-11-20 23:52:03

End at: 2017-11-20 23:52:33

Local clock offset: 1.578 ms

Remote clock offset: 0.087 ms

# Below is generated by plot.py at 2017-11-21 06:09:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.90 Mbit/s

95th percentile per-packet one-way delay: 43.044 ms

Loss rate: 0.73%

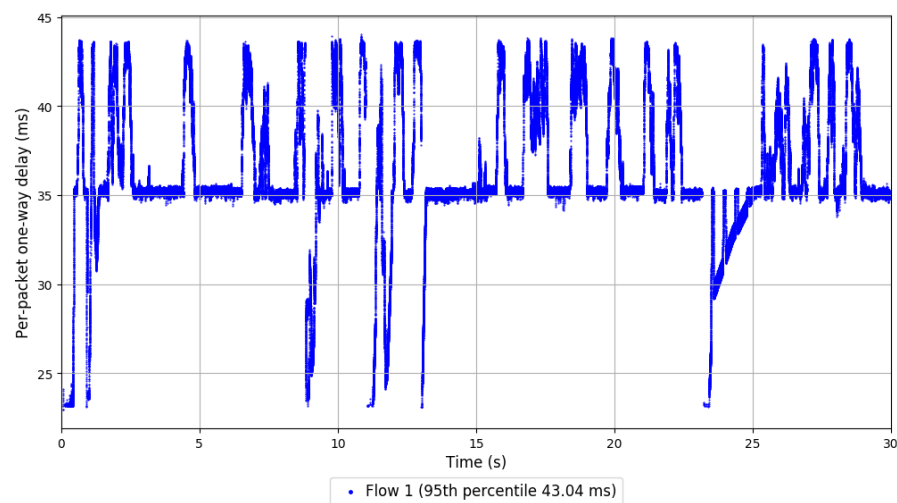
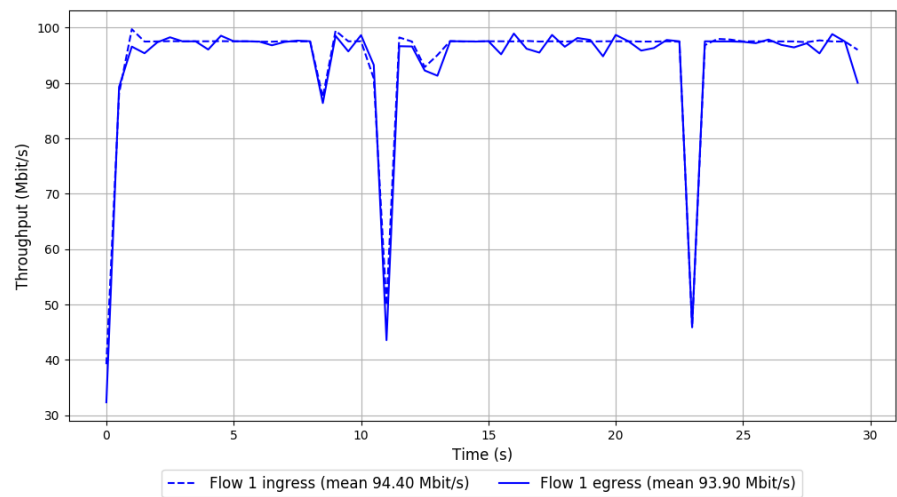
-- Flow 1:

Average throughput: 93.90 Mbit/s

95th percentile per-packet one-way delay: 43.044 ms

Loss rate: 0.73%

Run 2: Report of TCP BBR — Data Link

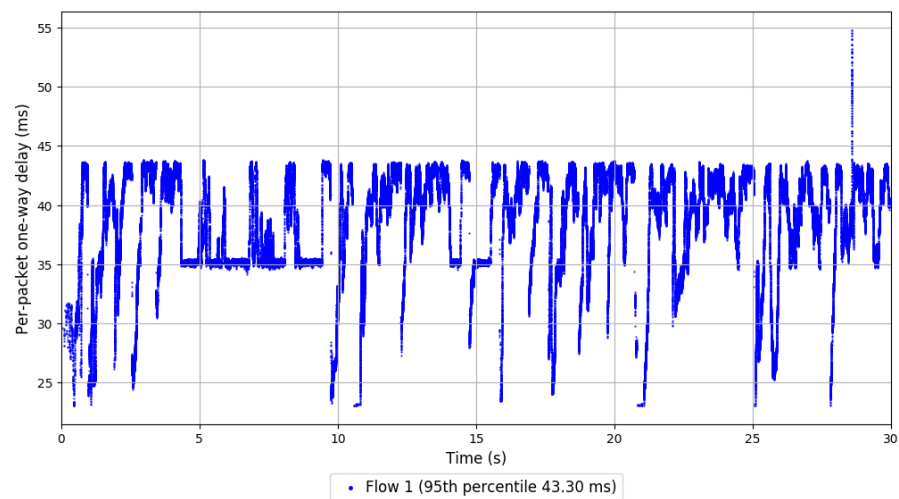
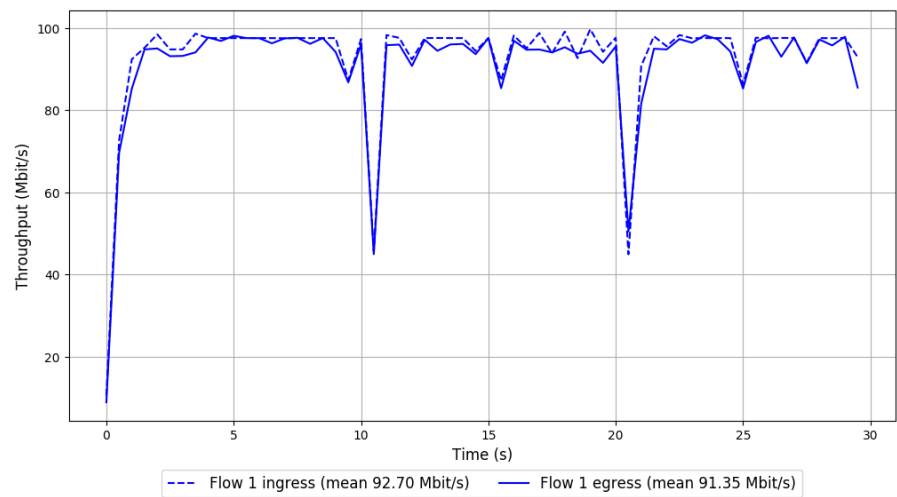


Run 3: Statistics of TCP BBR

Start at: 2017-11-21 00:10:39  
End at: 2017-11-21 00:11:09  
Local clock offset: 2.698 ms  
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2017-11-21 06:09:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.35 Mbit/s  
95th percentile per-packet one-way delay: 43.299 ms  
Loss rate: 1.67%  
-- Flow 1:  
Average throughput: 91.35 Mbit/s  
95th percentile per-packet one-way delay: 43.299 ms  
Loss rate: 1.67%

Run 3: Report of TCP BBR — Data Link

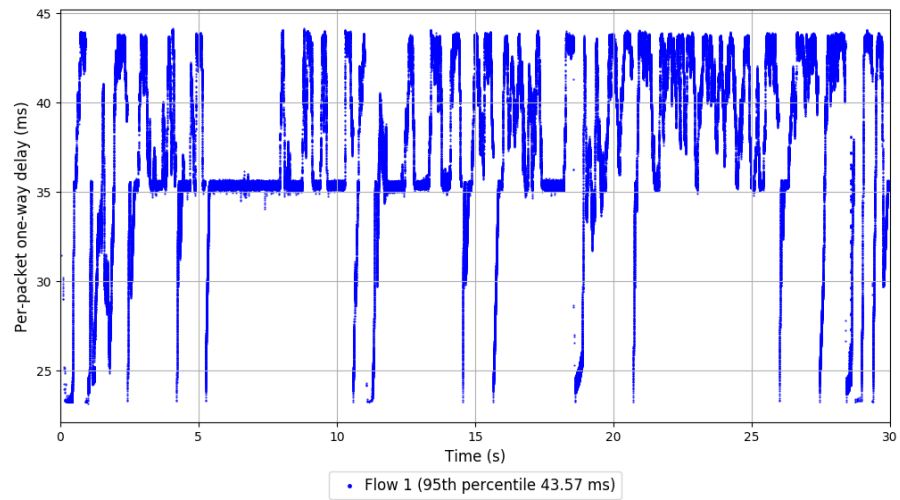
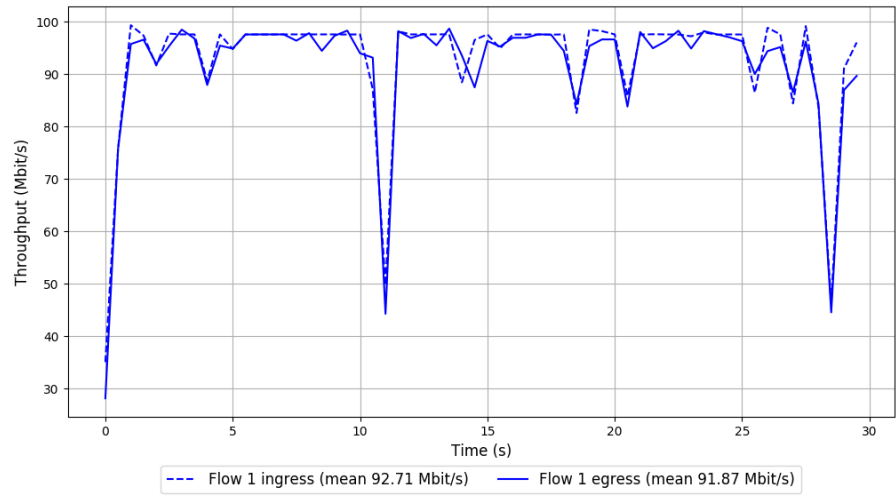


Run 4: Statistics of TCP BBR

Start at: 2017-11-21 00:29:59  
End at: 2017-11-21 00:30:29  
Local clock offset: 3.223 ms  
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2017-11-21 06:09:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.87 Mbit/s  
95th percentile per-packet one-way delay: 43.567 ms  
Loss rate: 1.11%  
-- Flow 1:  
Average throughput: 91.87 Mbit/s  
95th percentile per-packet one-way delay: 43.567 ms  
Loss rate: 1.11%

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



Run 5: Statistics of TCP BBR

Start at: 2017-11-21 00:48:59

End at: 2017-11-21 00:49:29

Local clock offset: 3.495 ms

Remote clock offset: 0.42 ms

# Below is generated by plot.py at 2017-11-21 06:09:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.65 Mbit/s

95th percentile per-packet one-way delay: 42.874 ms

Loss rate: 0.72%

-- Flow 1:

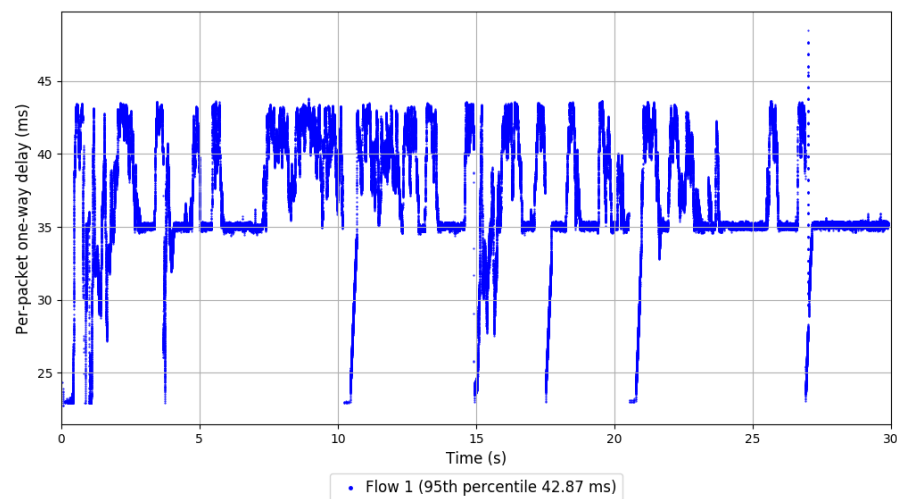
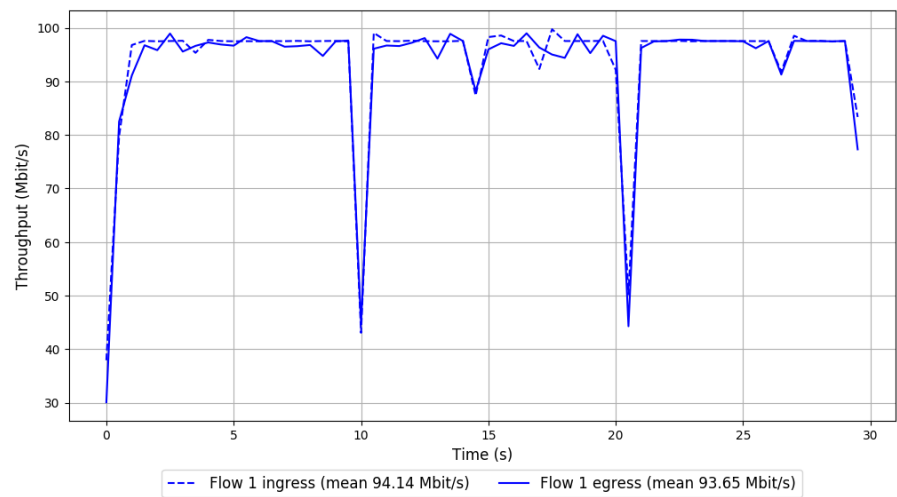
Average throughput: 93.65 Mbit/s

95th percentile per-packet one-way delay: 42.874 ms

Loss rate: 0.72%



Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2017-11-21 01:07:39

End at: 2017-11-21 01:08:09

Local clock offset: 2.236 ms

Remote clock offset: 0.433 ms

# Below is generated by plot.py at 2017-11-21 06:09:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.36 Mbit/s

95th percentile per-packet one-way delay: 43.388 ms

Loss rate: 0.99%

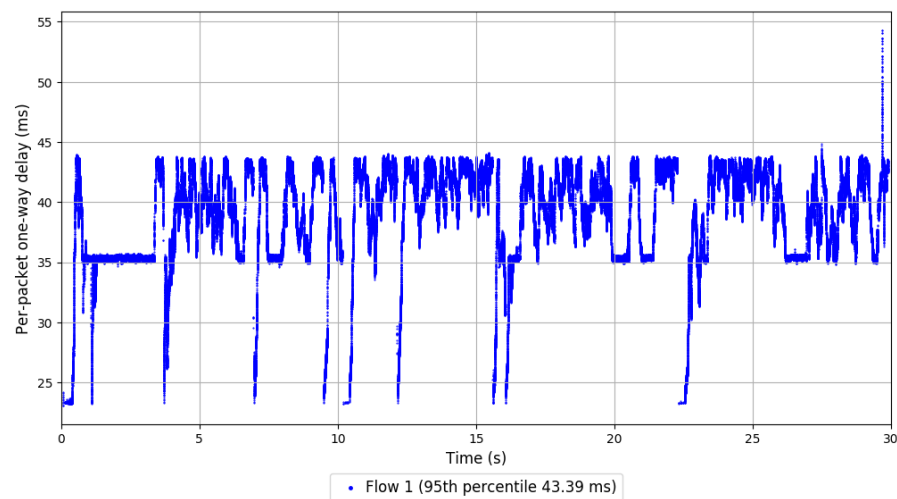
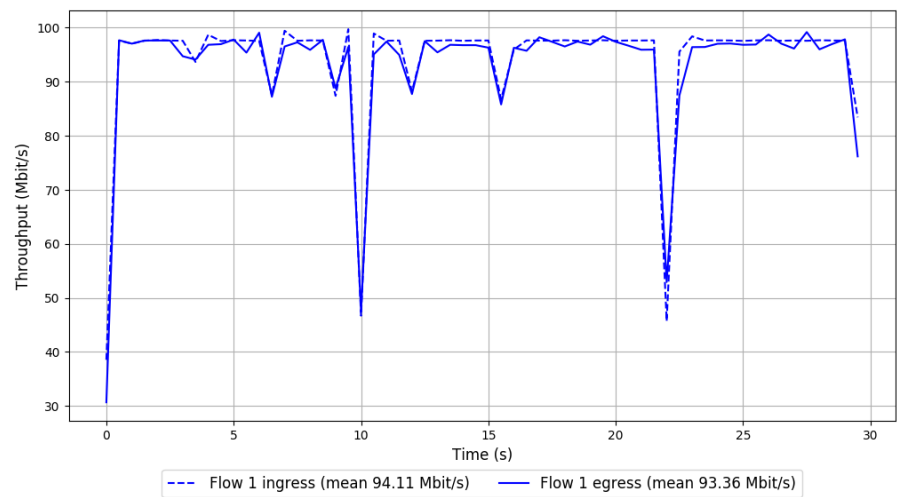
-- Flow 1:

Average throughput: 93.36 Mbit/s

95th percentile per-packet one-way delay: 43.388 ms

Loss rate: 0.99%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2017-11-21 01:27:12

End at: 2017-11-21 01:27:42

Local clock offset: 1.979 ms

Remote clock offset: 0.168 ms

# Below is generated by plot.py at 2017-11-21 06:09:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.58 Mbit/s

95th percentile per-packet one-way delay: 43.818 ms

Loss rate: 2.32%

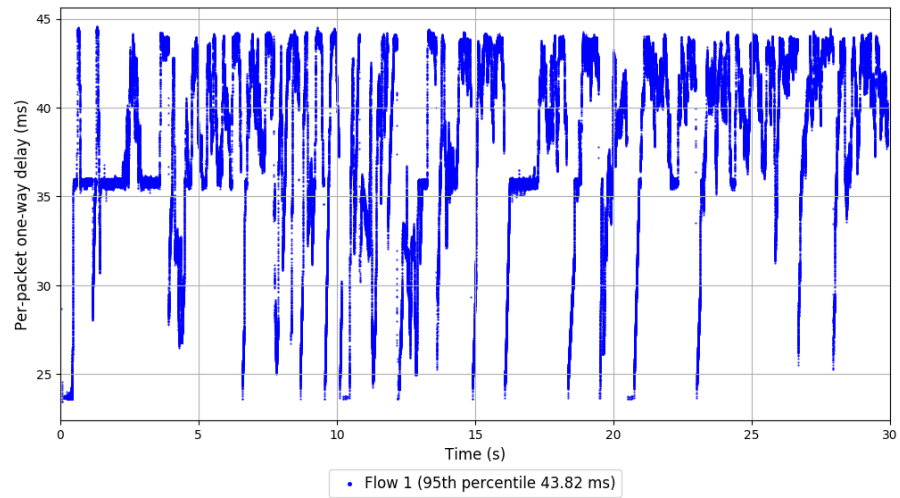
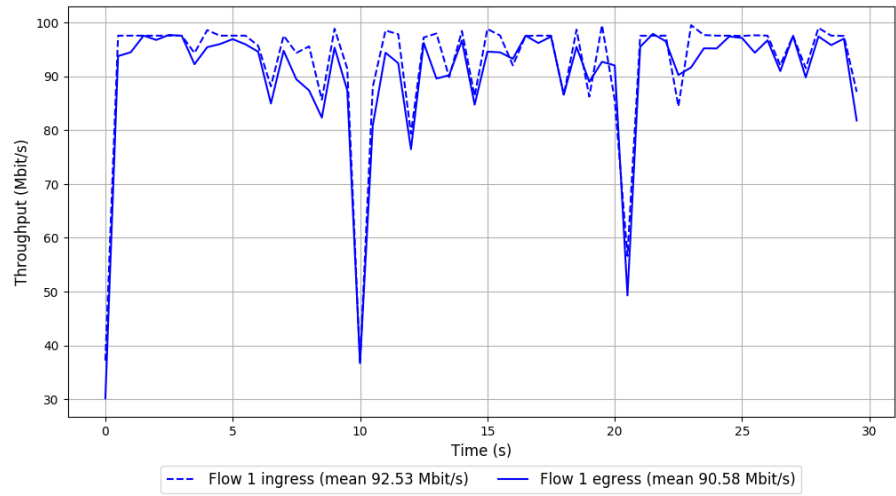
-- Flow 1:

Average throughput: 90.58 Mbit/s

95th percentile per-packet one-way delay: 43.818 ms

Loss rate: 2.32%

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

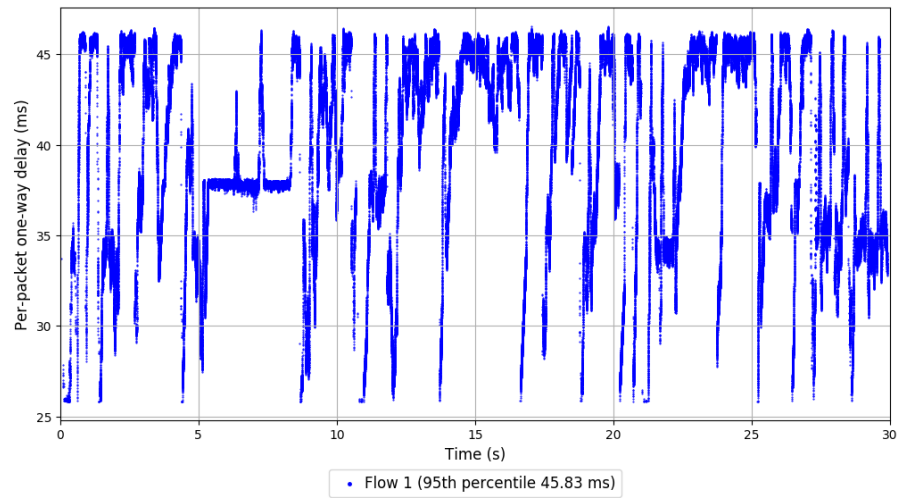
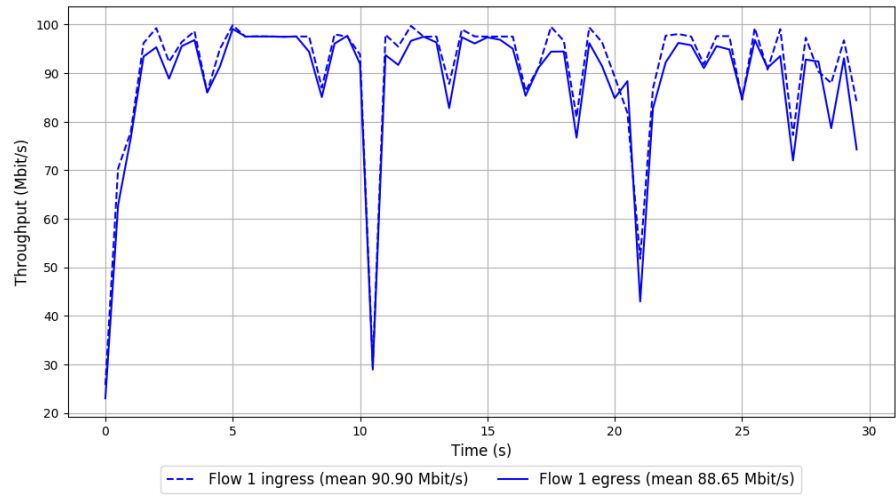


Run 8: Statistics of TCP BBR

Start at: 2017-11-21 01:47:10  
End at: 2017-11-21 01:47:40  
Local clock offset: 0.938 ms  
Remote clock offset: -2.536 ms

# Below is generated by plot.py at 2017-11-21 06:09:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.65 Mbit/s  
95th percentile per-packet one-way delay: 45.831 ms  
Loss rate: 2.68%  
-- Flow 1:  
Average throughput: 88.65 Mbit/s  
95th percentile per-packet one-way delay: 45.831 ms  
Loss rate: 2.68%

# Run 8: Report of TCP BBR — Data Link



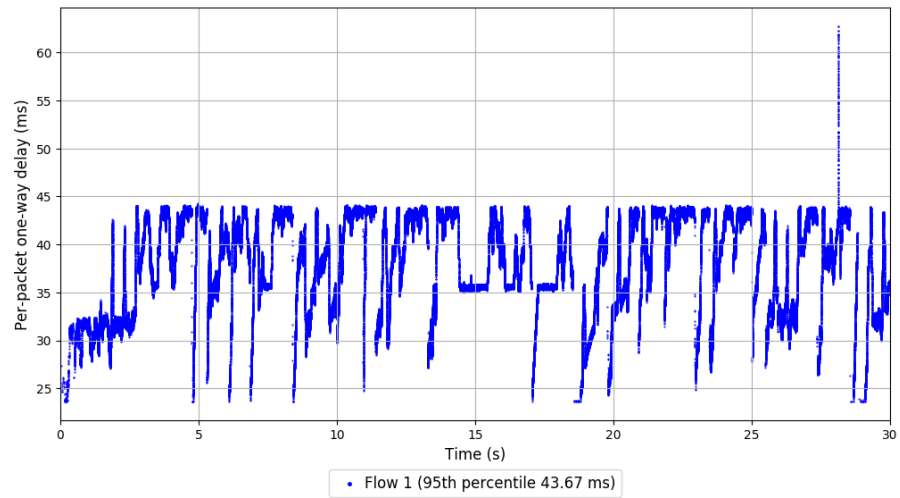
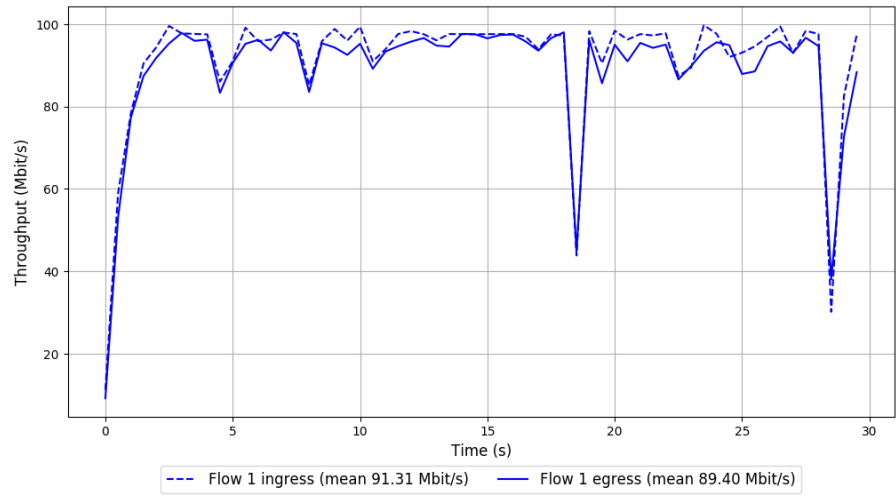
Run 9: Statistics of TCP BBR

Start at: 2017-11-21 02:07:40  
End at: 2017-11-21 02:08:10  
Local clock offset: 0.88 ms  
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2017-11-21 06:10:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.40 Mbit/s  
95th percentile per-packet one-way delay: 43.667 ms  
Loss rate: 2.27%  
-- Flow 1:  
Average throughput: 89.40 Mbit/s  
95th percentile per-packet one-way delay: 43.667 ms  
Loss rate: 2.27%



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



Run 10: Statistics of TCP BBR

Start at: 2017-11-21 02:27:26

End at: 2017-11-21 02:27:56

Local clock offset: 1.09 ms

Remote clock offset: 0.283 ms

# Below is generated by plot.py at 2017-11-21 06:10:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.18 Mbit/s

95th percentile per-packet one-way delay: 42.890 ms

Loss rate: 1.69%

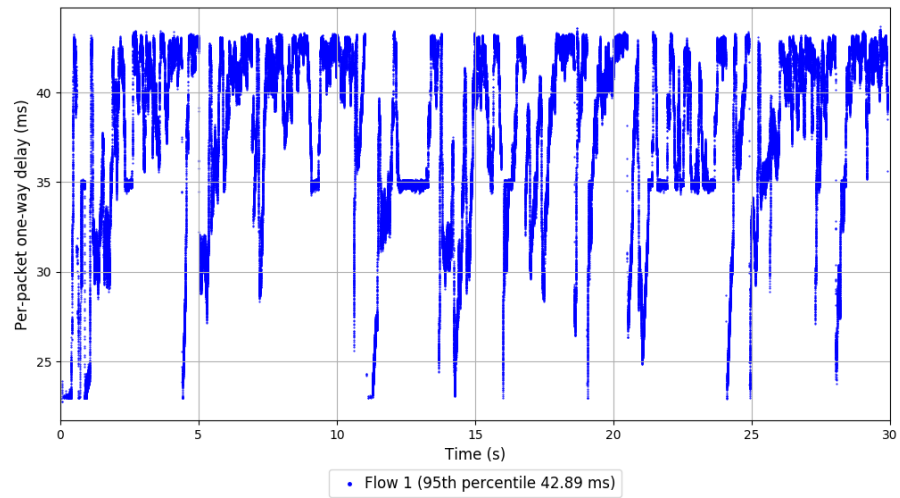
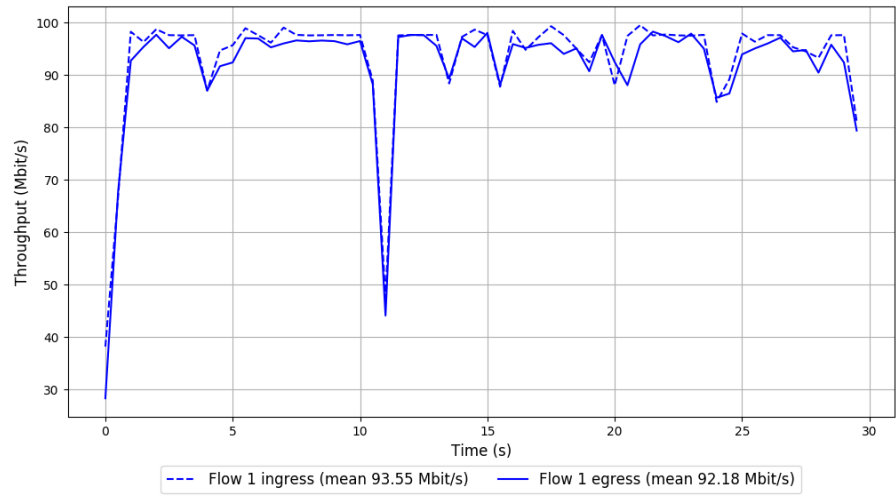
-- Flow 1:

Average throughput: 92.18 Mbit/s

95th percentile per-packet one-way delay: 42.890 ms

Loss rate: 1.69%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2017-11-20 23:30:56

End at: 2017-11-20 23:31:26

Local clock offset: 2.056 ms

Remote clock offset: 1.439 ms

# Below is generated by plot.py at 2017-11-21 06:10:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 23.68 Mbit/s

95th percentile per-packet one-way delay: 30.759 ms

Loss rate: 0.36%

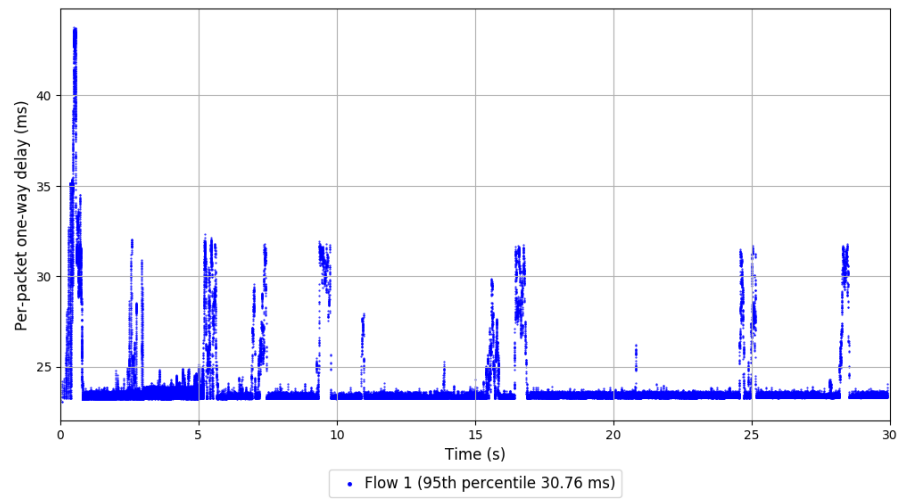
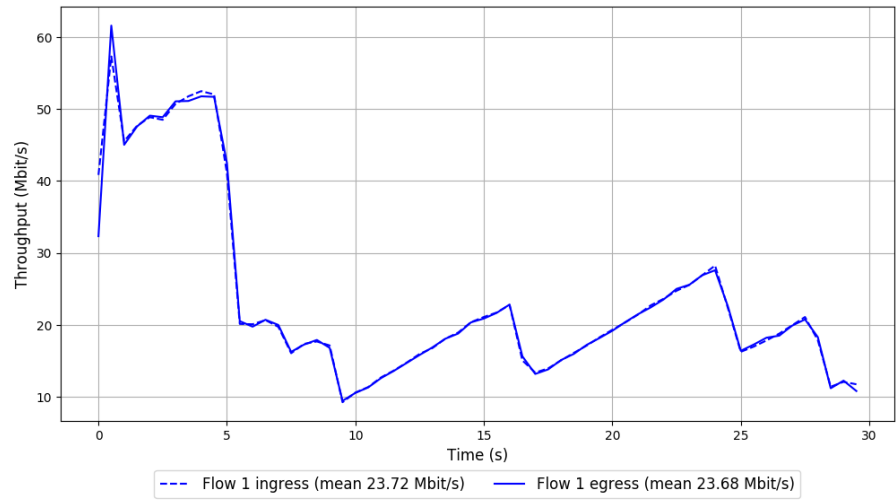
-- Flow 1:

Average throughput: 23.68 Mbit/s

95th percentile per-packet one-way delay: 30.759 ms

Loss rate: 0.36%

# Run 1: Report of TCP Cubic — Data Link

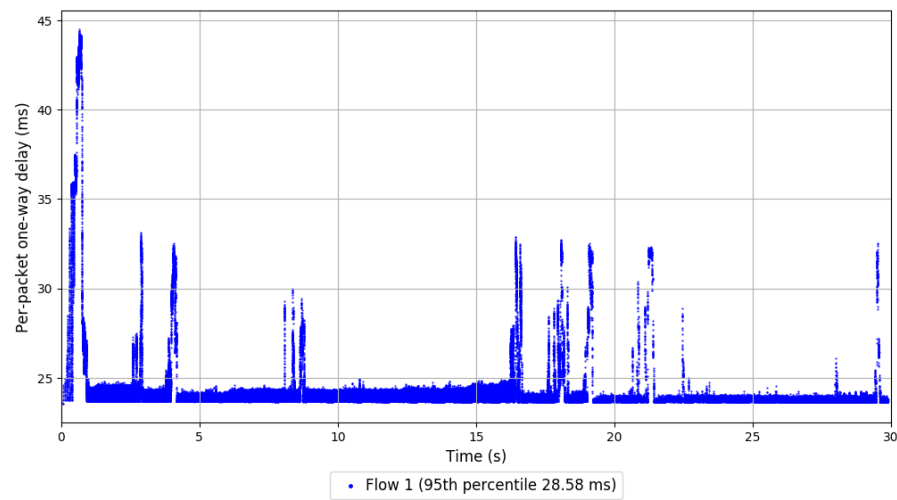
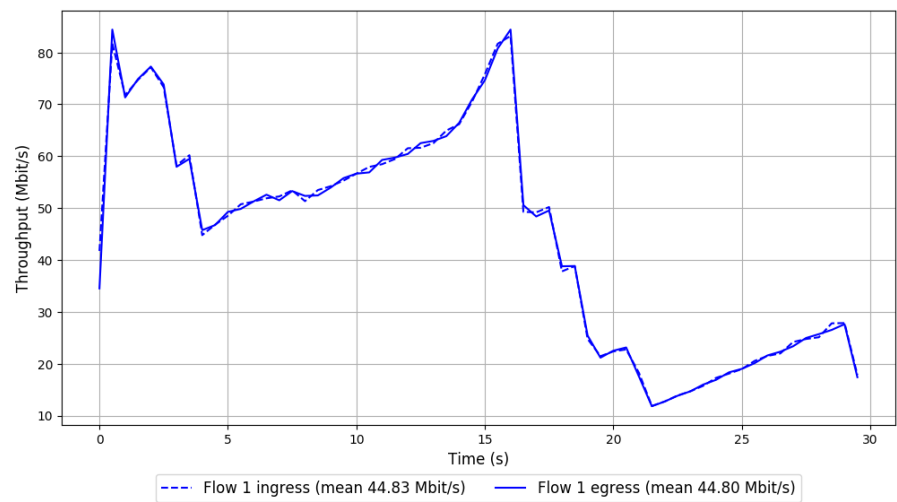


Run 2: Statistics of TCP Cubic

Start at: 2017-11-20 23:49:26  
End at: 2017-11-20 23:49:56  
Local clock offset: 1.574 ms  
Remote clock offset: -0.267 ms

# Below is generated by plot.py at 2017-11-21 06:10:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 44.80 Mbit/s  
95th percentile per-packet one-way delay: 28.581 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 44.80 Mbit/s  
95th percentile per-packet one-way delay: 28.581 ms  
Loss rate: 0.23%

Run 2: Report of TCP Cubic — Data Link



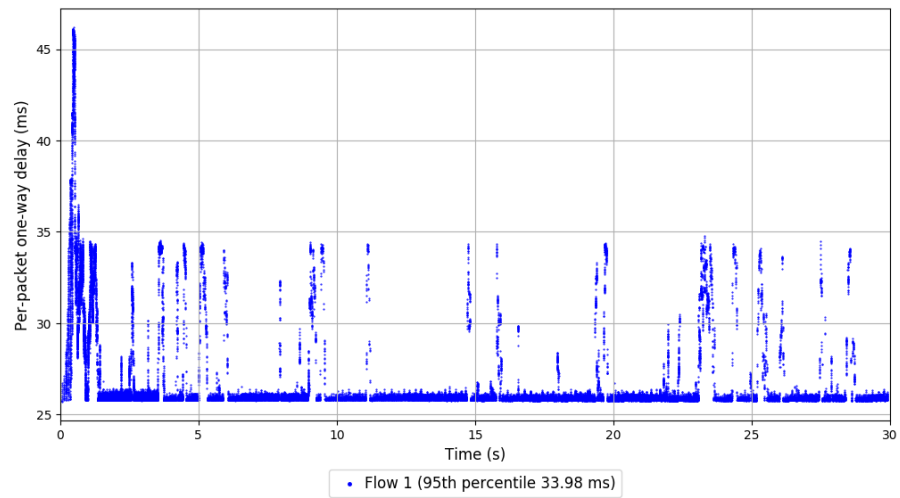
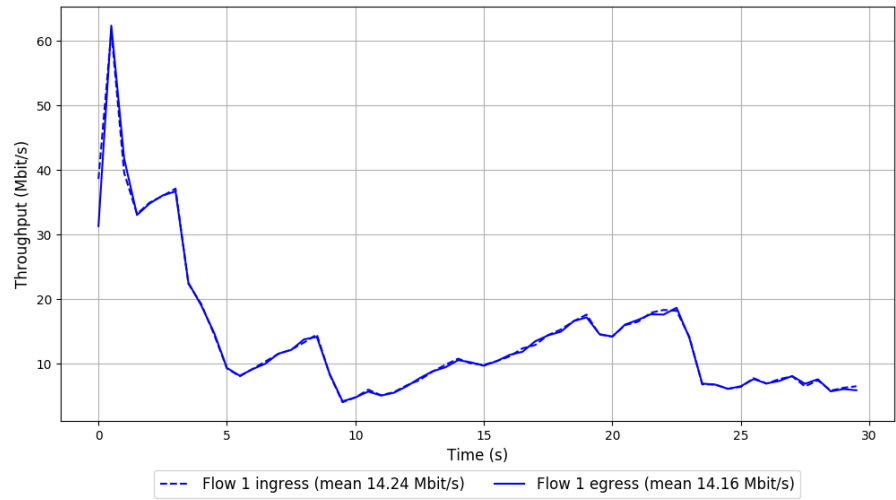
Run 3: Statistics of TCP Cubic

Start at: 2017-11-21 00:08:05  
End at: 2017-11-21 00:08:35  
Local clock offset: 2.497 ms  
Remote clock offset: -2.645 ms

# Below is generated by plot.py at 2017-11-21 06:10:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 14.16 Mbit/s  
95th percentile per-packet one-way delay: 33.975 ms  
Loss rate: 0.78%  
-- Flow 1:  
Average throughput: 14.16 Mbit/s  
95th percentile per-packet one-way delay: 33.975 ms  
Loss rate: 0.78%



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

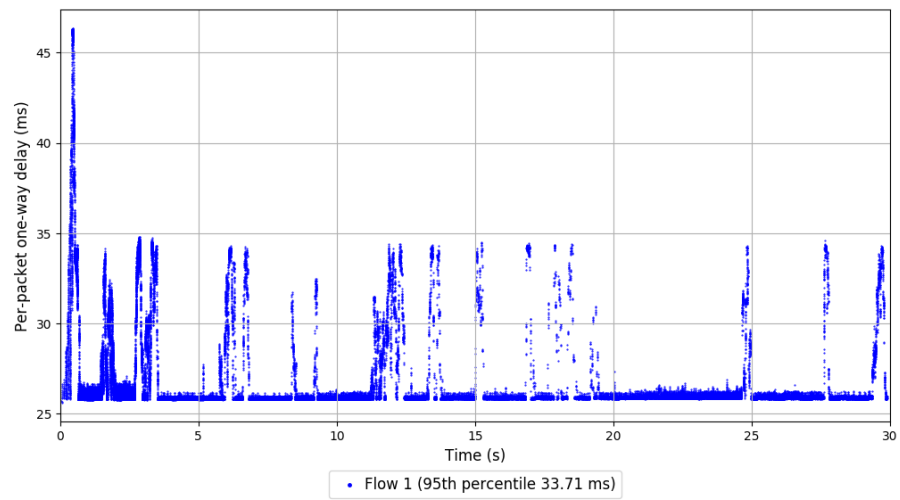
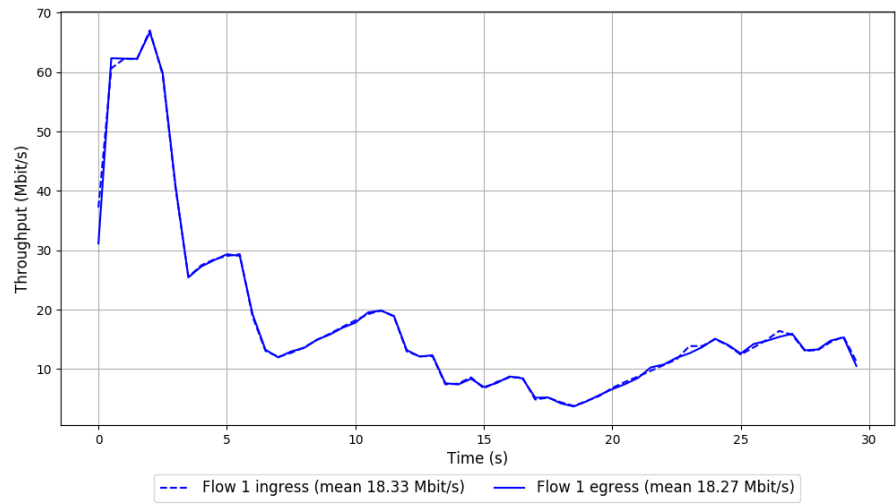


Run 4: Statistics of TCP Cubic

Start at: 2017-11-21 00:27:24  
End at: 2017-11-21 00:27:54  
Local clock offset: 3.433 ms  
Remote clock offset: -2.571 ms

# Below is generated by plot.py at 2017-11-21 06:10:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 18.27 Mbit/s  
95th percentile per-packet one-way delay: 33.713 ms  
Loss rate: 0.50%  
-- Flow 1:  
Average throughput: 18.27 Mbit/s  
95th percentile per-packet one-way delay: 33.713 ms  
Loss rate: 0.50%

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



Run 5: Statistics of TCP Cubic

Start at: 2017-11-21 00:46:23

End at: 2017-11-21 00:46:53

Local clock offset: 3.352 ms

Remote clock offset: 0.097 ms

# Below is generated by plot.py at 2017-11-21 06:10:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 20.72 Mbit/s

95th percentile per-packet one-way delay: 30.972 ms

Loss rate: 0.36%

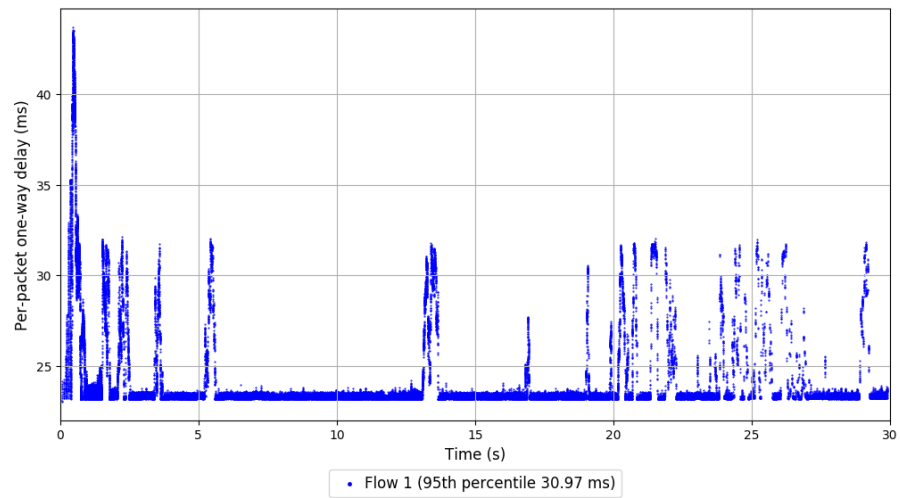
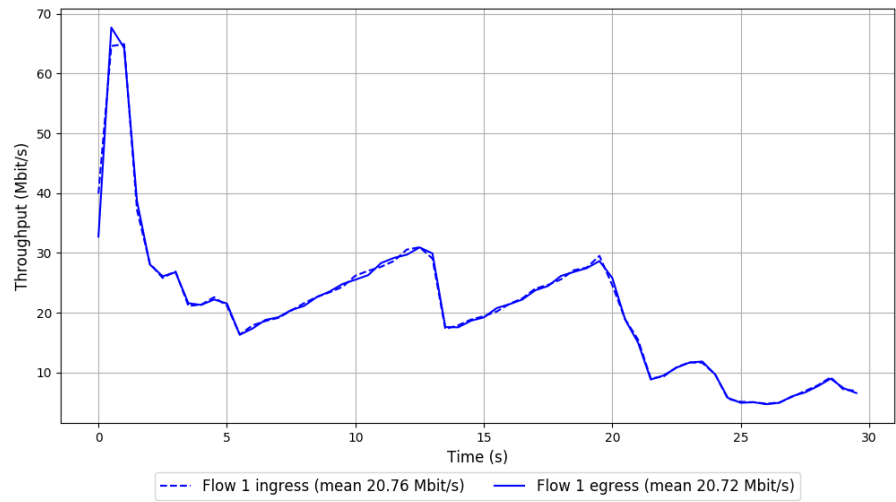
-- Flow 1:

Average throughput: 20.72 Mbit/s

95th percentile per-packet one-way delay: 30.972 ms

Loss rate: 0.36%

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



Run 6: Statistics of TCP Cubic

Start at: 2017-11-21 01:05:03

End at: 2017-11-21 01:05:33

Local clock offset: 2.197 ms

Remote clock offset: 0.364 ms

# Below is generated by plot.py at 2017-11-21 06:10:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 14.15 Mbit/s

95th percentile per-packet one-way delay: 28.906 ms

Loss rate: 0.33%

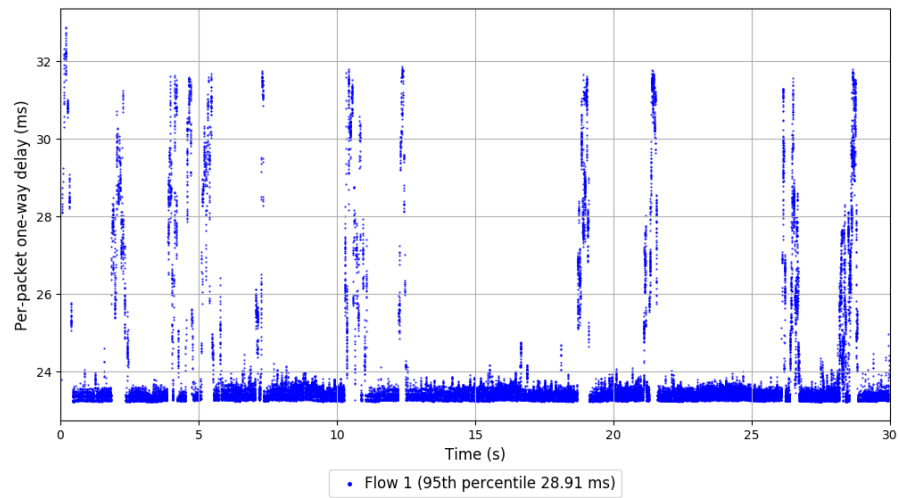
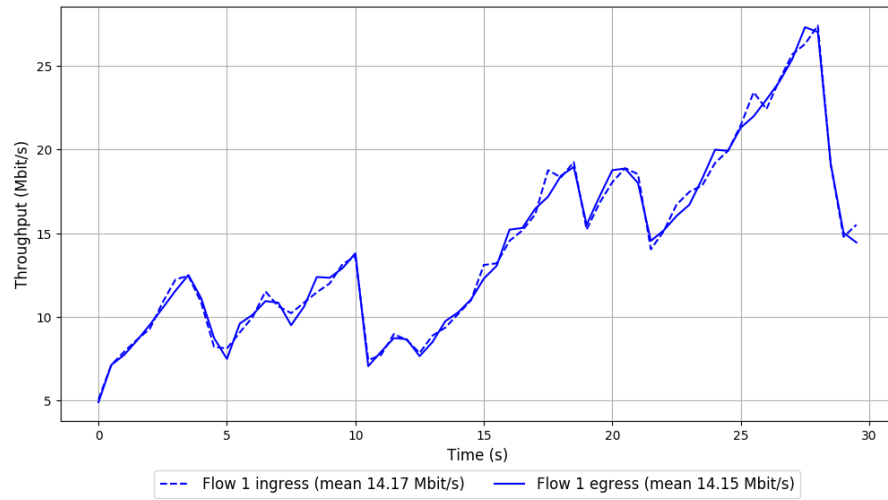
-- Flow 1:

Average throughput: 14.15 Mbit/s

95th percentile per-packet one-way delay: 28.906 ms

Loss rate: 0.33%

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



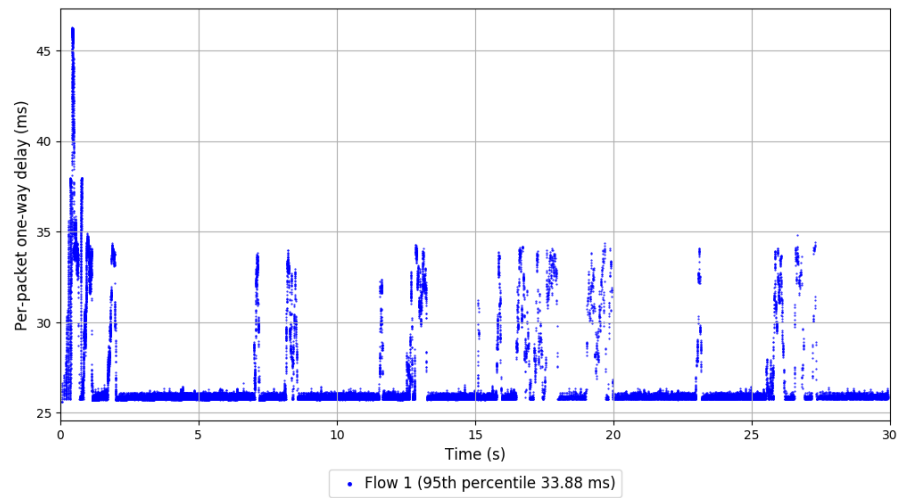
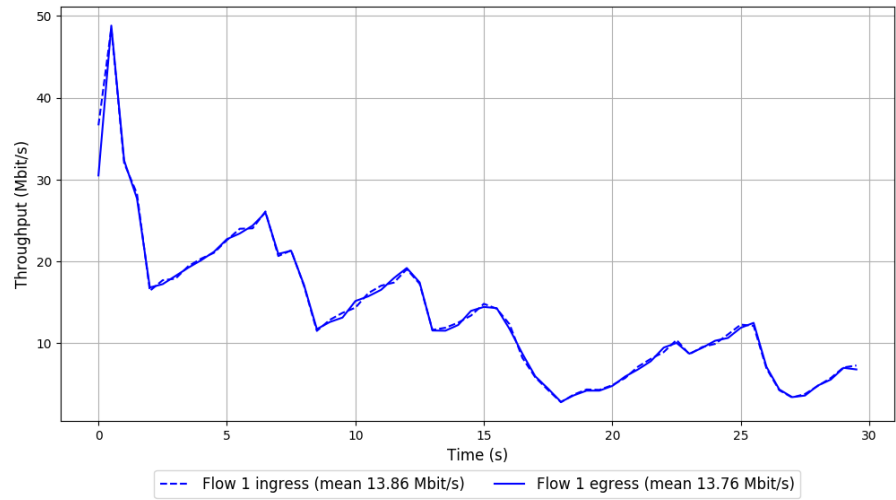
Run 7: Statistics of TCP Cubic

Start at: 2017-11-21 01:24:35  
End at: 2017-11-21 01:25:05  
Local clock offset: 2.266 ms  
Remote clock offset: -1.788 ms

# Below is generated by plot.py at 2017-11-21 06:10:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.76 Mbit/s  
95th percentile per-packet one-way delay: 33.877 ms  
Loss rate: 0.88%  
-- Flow 1:  
Average throughput: 13.76 Mbit/s  
95th percentile per-packet one-way delay: 33.877 ms  
Loss rate: 0.88%



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



Run 8: Statistics of TCP Cubic

Start at: 2017-11-21 01:44:34

End at: 2017-11-21 01:45:04

Local clock offset: 0.968 ms

Remote clock offset: 0.102 ms

# Below is generated by plot.py at 2017-11-21 06:10:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.78 Mbit/s

95th percentile per-packet one-way delay: 31.305 ms

Loss rate: 1.30%

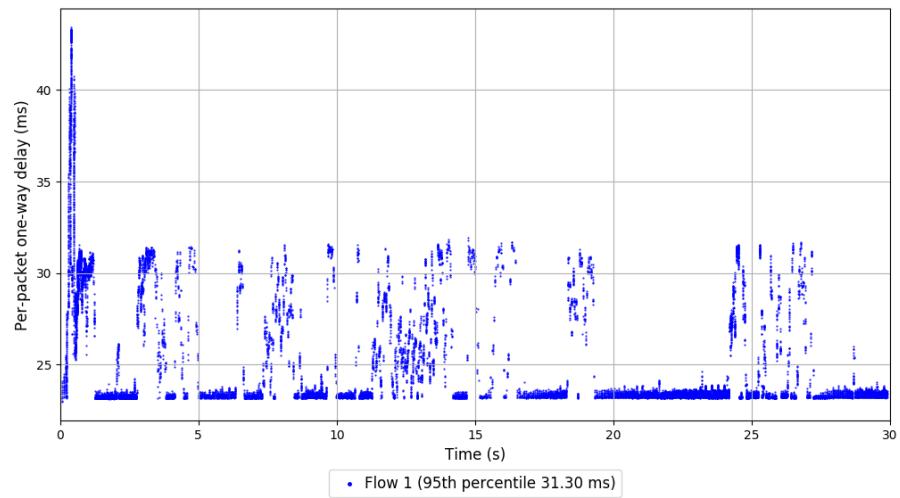
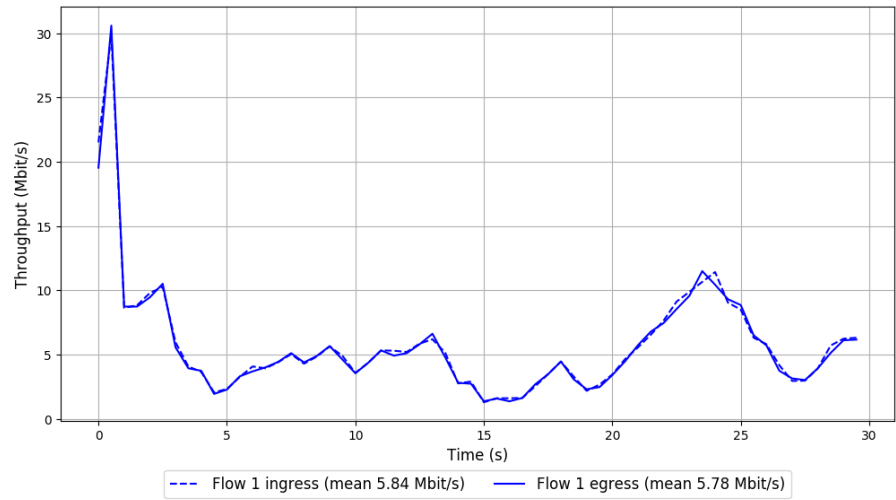
-- Flow 1:

Average throughput: 5.78 Mbit/s

95th percentile per-packet one-way delay: 31.305 ms

Loss rate: 1.30%

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

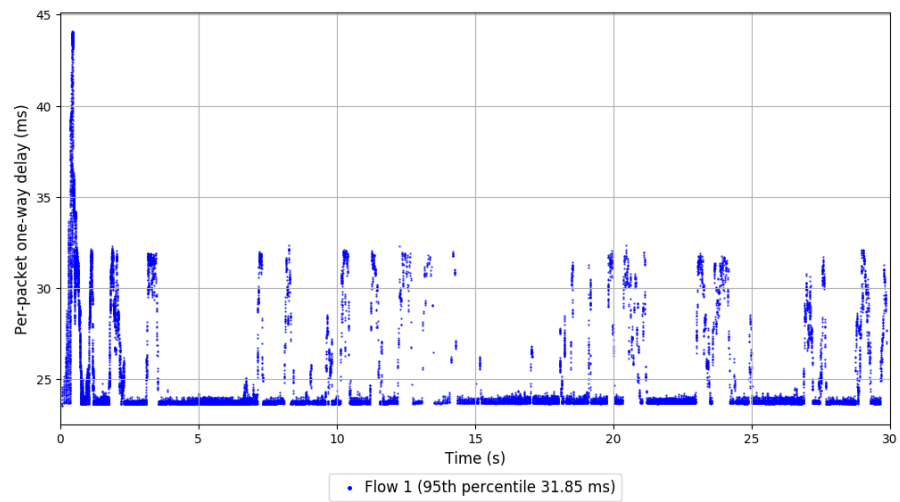
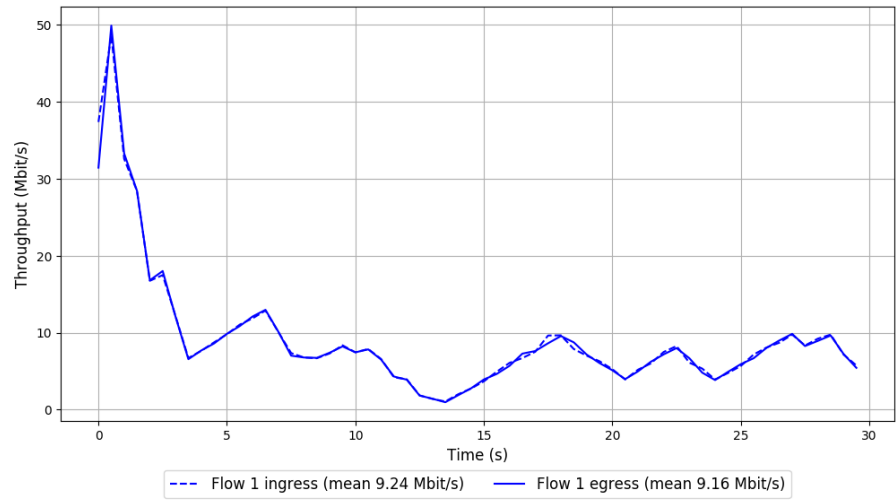


Run 9: Statistics of TCP Cubic

Start at: 2017-11-21 02:05:00  
End at: 2017-11-21 02:05:30  
Local clock offset: 0.82 ms  
Remote clock offset: -0.296 ms

# Below is generated by plot.py at 2017-11-21 06:10:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.16 Mbit/s  
95th percentile per-packet one-way delay: 31.848 ms  
Loss rate: 0.96%  
-- Flow 1:  
Average throughput: 9.16 Mbit/s  
95th percentile per-packet one-way delay: 31.848 ms  
Loss rate: 0.96%

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



Run 10: Statistics of TCP Cubic

Start at: 2017-11-21 02:24:50

End at: 2017-11-21 02:25:20

Local clock offset: 1.037 ms

Remote clock offset: -2.3 ms

# Below is generated by plot.py at 2017-11-21 06:10:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.65 Mbit/s

95th percentile per-packet one-way delay: 33.517 ms

Loss rate: 0.93%

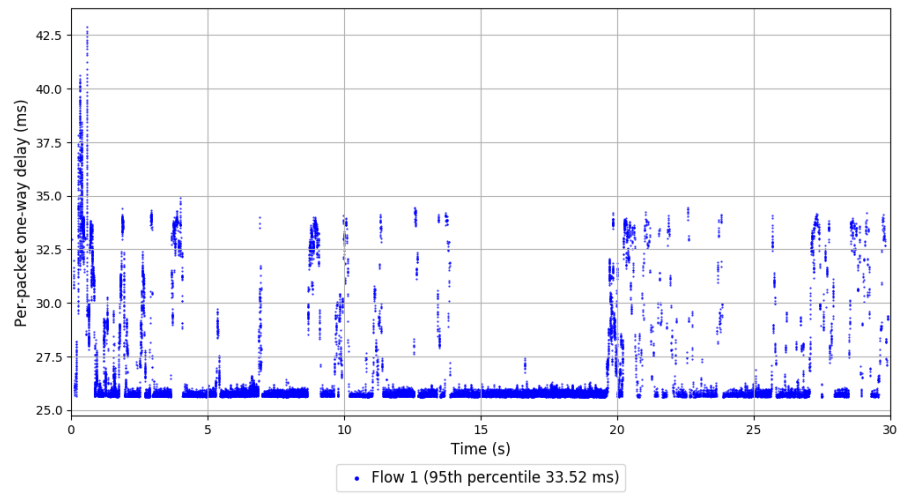
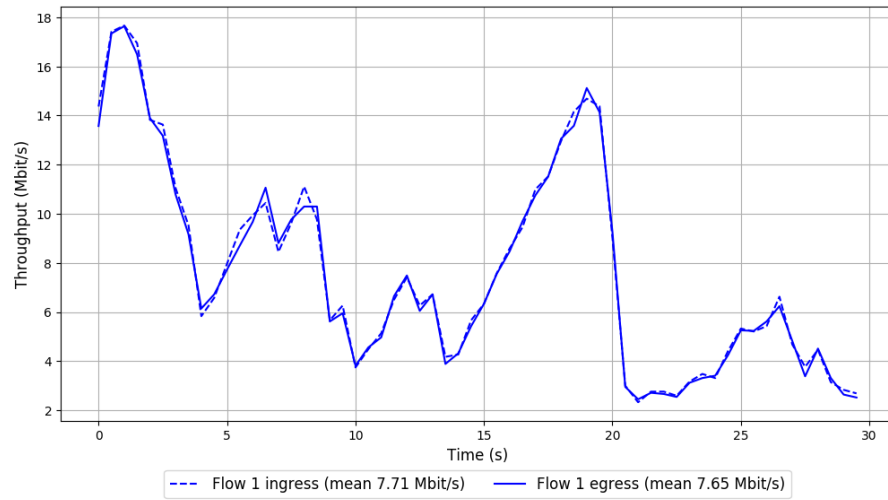
-- Flow 1:

Average throughput: 7.65 Mbit/s

95th percentile per-packet one-way delay: 33.517 ms

Loss rate: 0.93%

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



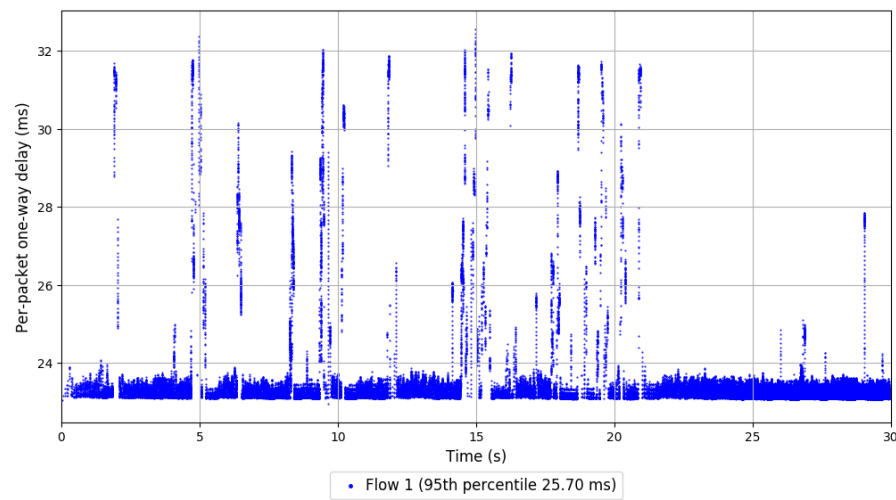
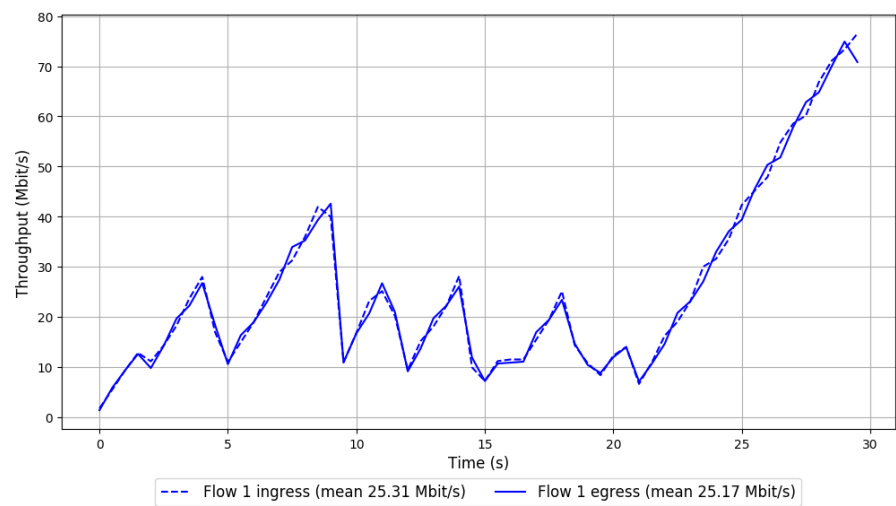
```
Run 1: Statistics of LEDBAT

Start at: 2017-11-20 23:26:58
End at: 2017-11-20 23:27:28
Local clock offset: 2.06 ms
Remote clock offset: 1.79 ms

# Below is generated by plot.py at 2017-11-21 06:10:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.17 Mbit/s
95th percentile per-packet one-way delay: 25.702 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 25.17 Mbit/s
95th percentile per-packet one-way delay: 25.702 ms
Loss rate: 0.76%
```



Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2017-11-20 23:45:26

End at: 2017-11-20 23:45:56

Local clock offset: 1.355 ms

Remote clock offset: 0.041 ms

# Below is generated by plot.py at 2017-11-21 06:10:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 16.45 Mbit/s

95th percentile per-packet one-way delay: 29.938 ms

Loss rate: 0.41%

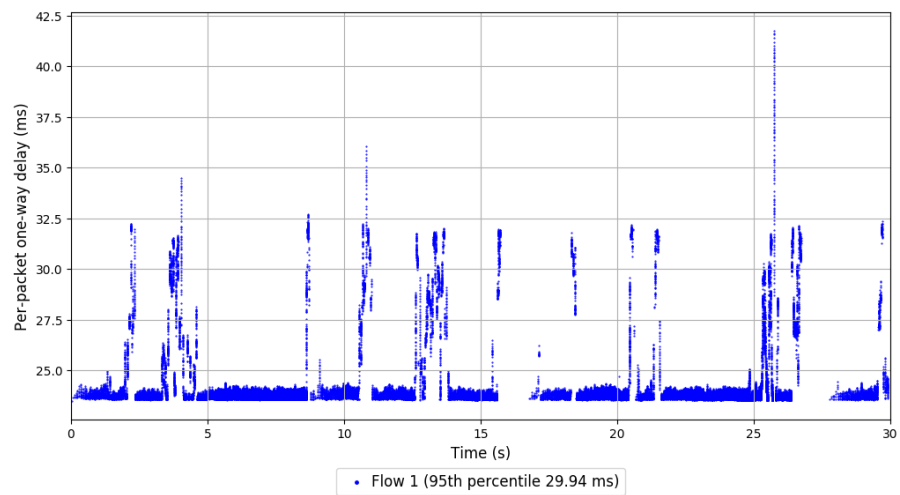
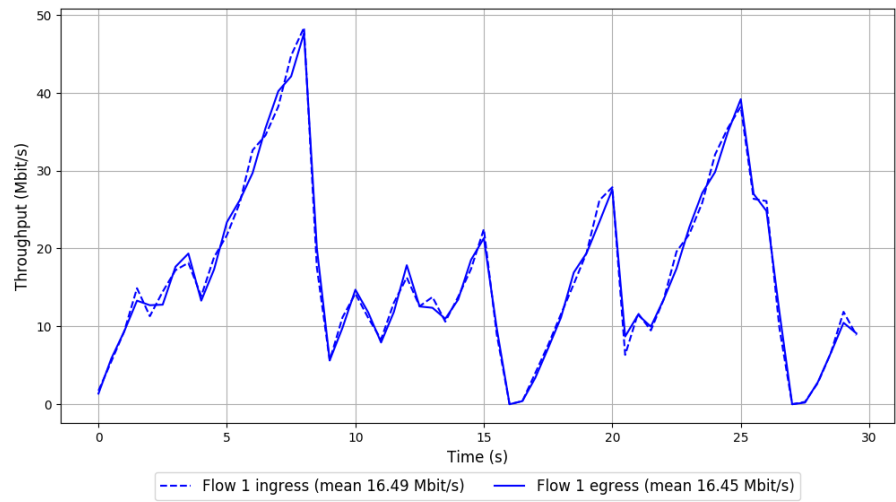
-- Flow 1:

Average throughput: 16.45 Mbit/s

95th percentile per-packet one-way delay: 29.938 ms

Loss rate: 0.41%

## Run 2: Report of LEDBAT — Data Link

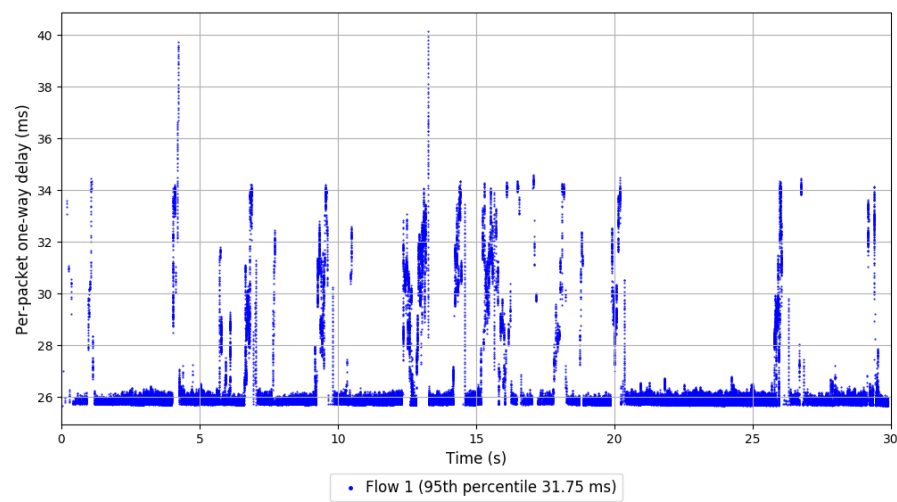
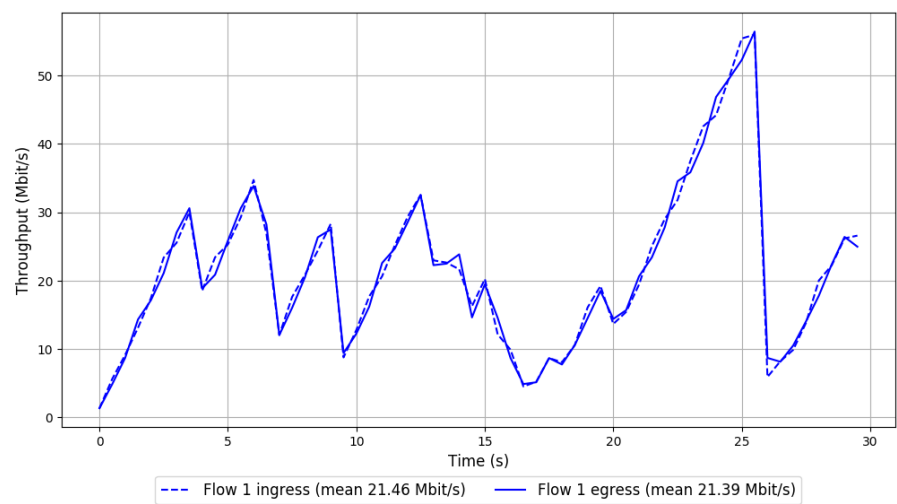


Run 3: Statistics of LEDBAT

Start at: 2017-11-21 00:03:56  
End at: 2017-11-21 00:04:26  
Local clock offset: 2.179 ms  
Remote clock offset: -2.537 ms

# Below is generated by plot.py at 2017-11-21 06:10:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 21.39 Mbit/s  
95th percentile per-packet one-way delay: 31.745 ms  
Loss rate: 0.49%  
-- Flow 1:  
Average throughput: 21.39 Mbit/s  
95th percentile per-packet one-way delay: 31.745 ms  
Loss rate: 0.49%

Run 3: Report of LEDBAT — Data Link

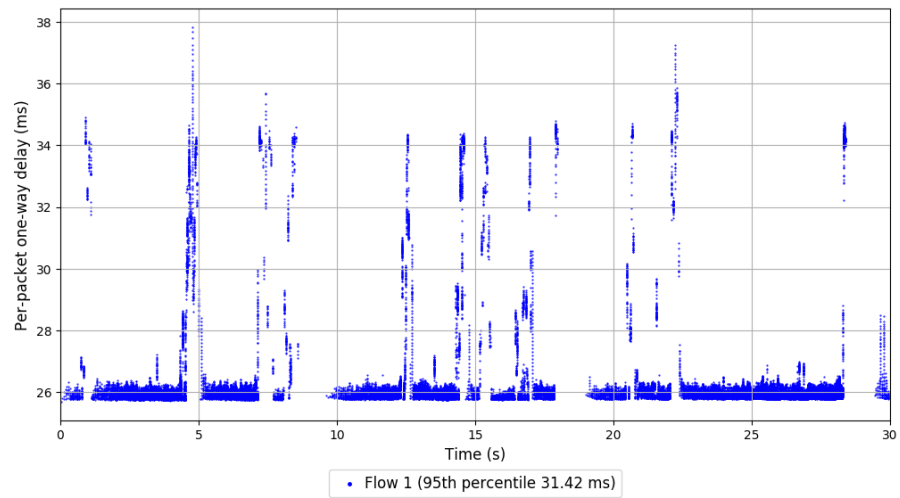
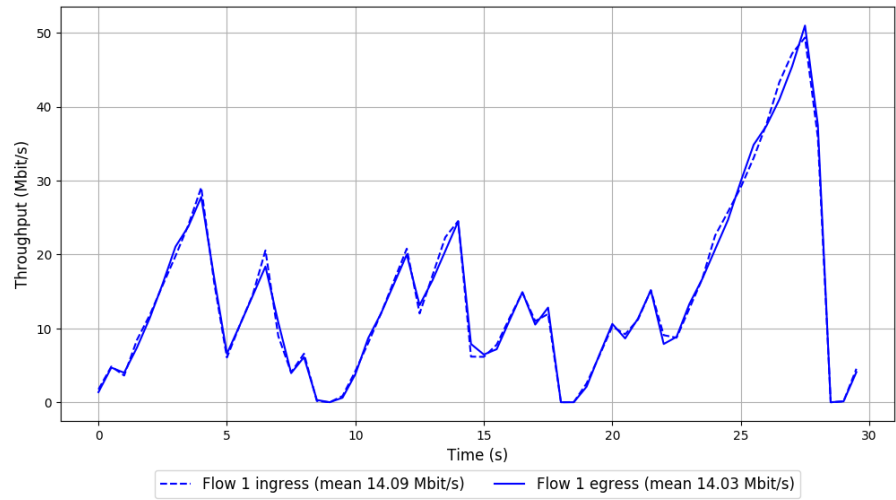


Run 4: Statistics of LEDBAT

Start at: 2017-11-21 00:23:14  
End at: 2017-11-21 00:23:44  
Local clock offset: 3.686 ms  
Remote clock offset: -2.667 ms

# Below is generated by plot.py at 2017-11-21 06:10:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 14.03 Mbit/s  
95th percentile per-packet one-way delay: 31.416 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 14.03 Mbit/s  
95th percentile per-packet one-way delay: 31.416 ms  
Loss rate: 0.61%

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



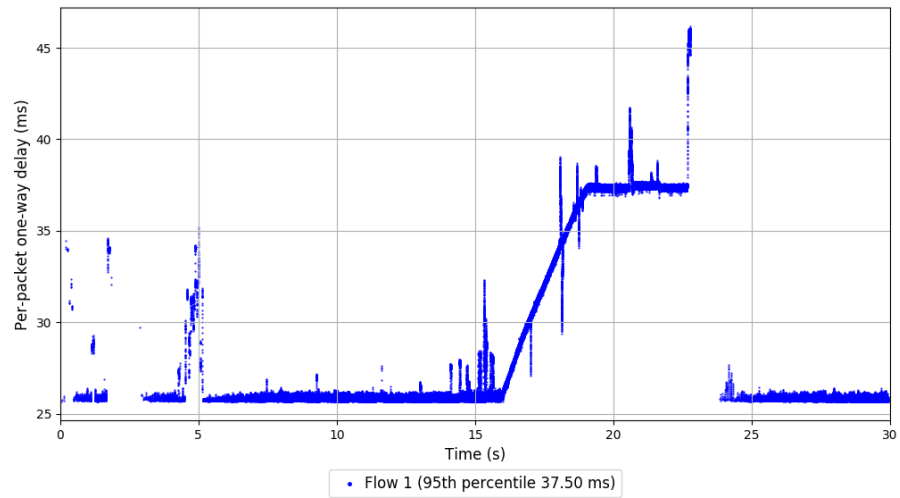
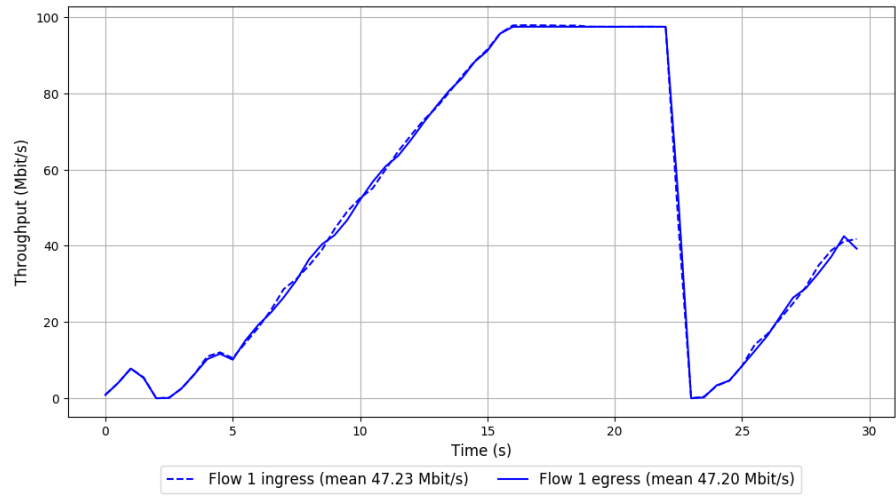
Run 5: Statistics of LEDBAT

Start at: 2017-11-21 00:42:17  
End at: 2017-11-21 00:42:47  
Local clock offset: 3.315 ms  
Remote clock offset: -2.325 ms

# Below is generated by plot.py at 2017-11-21 06:10:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 47.20 Mbit/s  
95th percentile per-packet one-way delay: 37.504 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 47.20 Mbit/s  
95th percentile per-packet one-way delay: 37.504 ms  
Loss rate: 0.23%



## Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2017-11-21 01:01:02

End at: 2017-11-21 01:01:32

Local clock offset: 2.439 ms

Remote clock offset: 0.456 ms

# Below is generated by plot.py at 2017-11-21 06:10:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.79 Mbit/s

95th percentile per-packet one-way delay: 28.210 ms

Loss rate: 0.24%

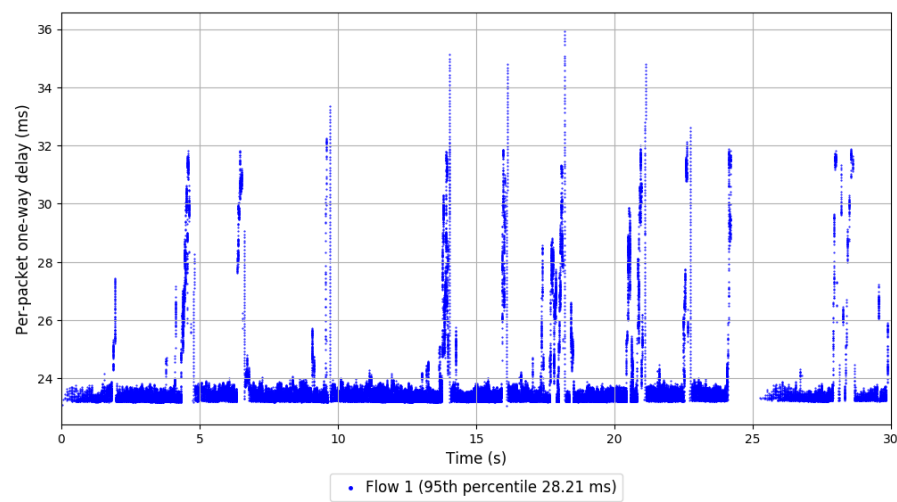
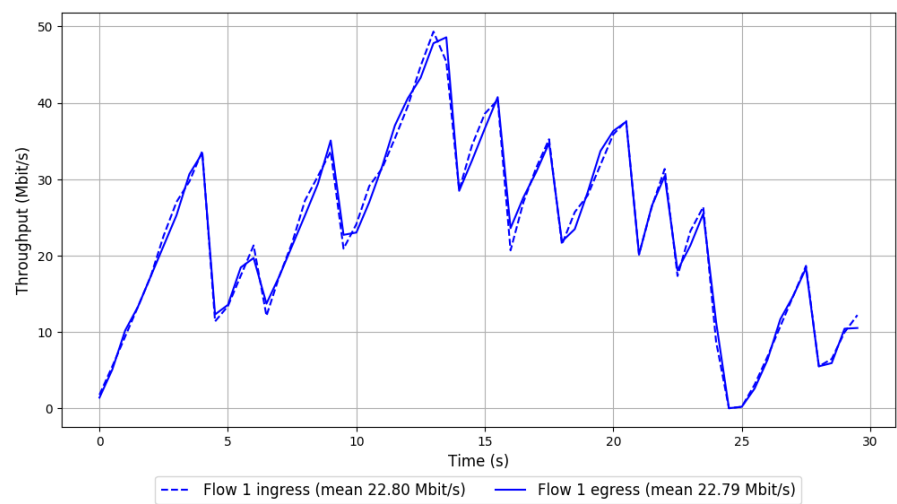
-- Flow 1:

Average throughput: 22.79 Mbit/s

95th percentile per-packet one-way delay: 28.210 ms

Loss rate: 0.24%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2017-11-21 01:20:18

End at: 2017-11-21 01:20:48

Local clock offset: 2.285 ms

Remote clock offset: 0.37 ms

# Below is generated by plot.py at 2017-11-21 06:10:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 14.58 Mbit/s

95th percentile per-packet one-way delay: 30.301 ms

Loss rate: 0.38%

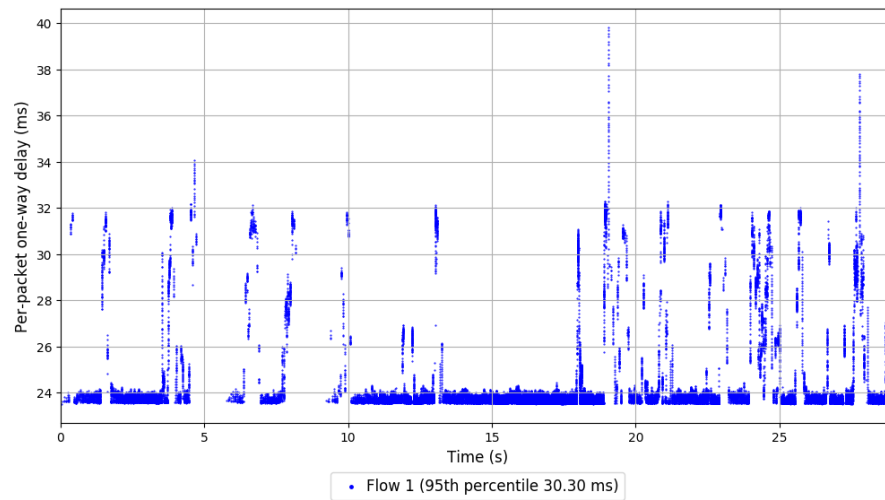
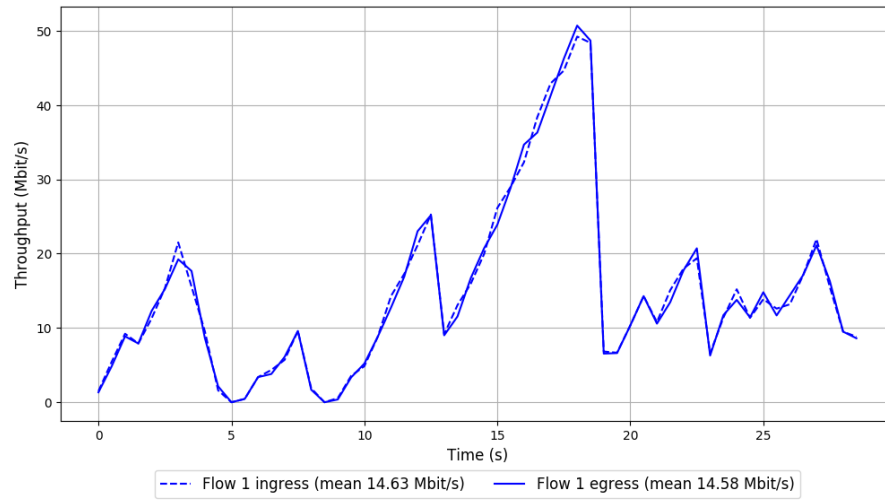
-- Flow 1:

Average throughput: 14.58 Mbit/s

95th percentile per-packet one-way delay: 30.301 ms

Loss rate: 0.38%

## Run 7: Report of LEDBAT — Data Link

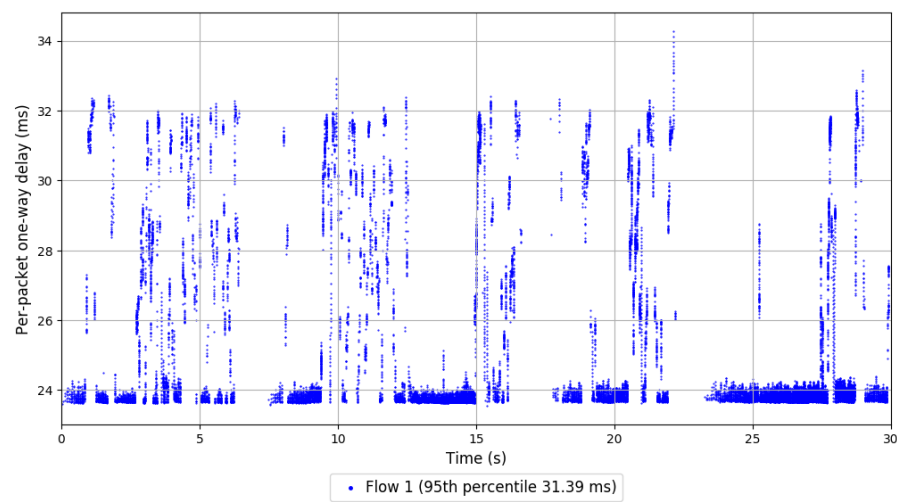
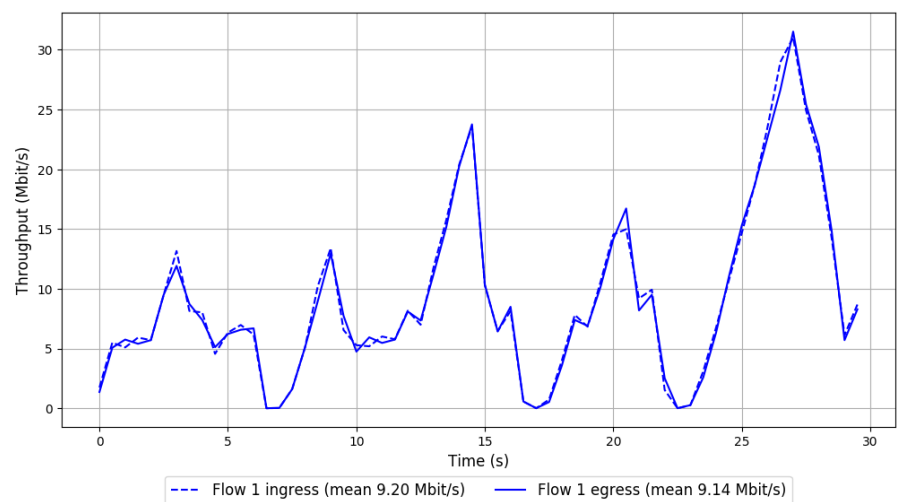


Run 8: Statistics of LEDBAT

Start at: 2017-11-21 01:40:22  
End at: 2017-11-21 01:40:52  
Local clock offset: 1.121 ms  
Remote clock offset: -0.402 ms

# Below is generated by plot.py at 2017-11-21 06:10:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.14 Mbit/s  
95th percentile per-packet one-way delay: 31.392 ms  
Loss rate: 0.89%  
-- Flow 1:  
Average throughput: 9.14 Mbit/s  
95th percentile per-packet one-way delay: 31.392 ms  
Loss rate: 0.89%

Run 8: Report of LEDBAT — Data Link



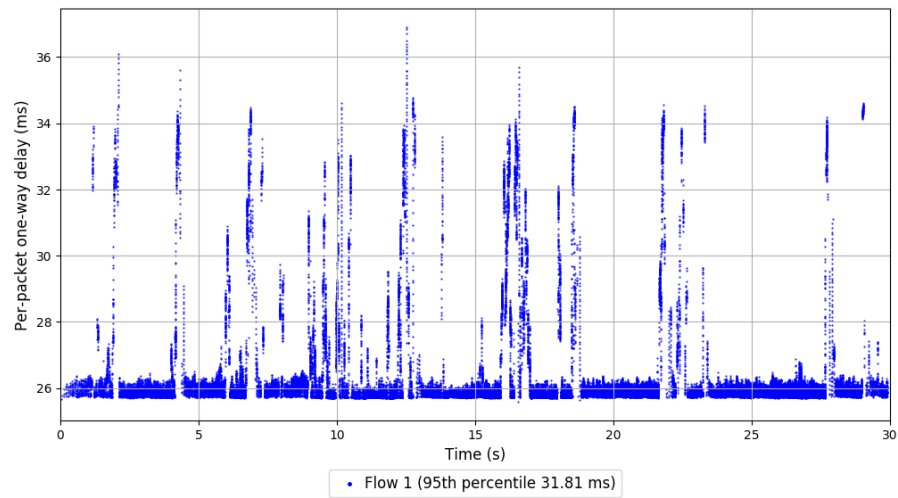
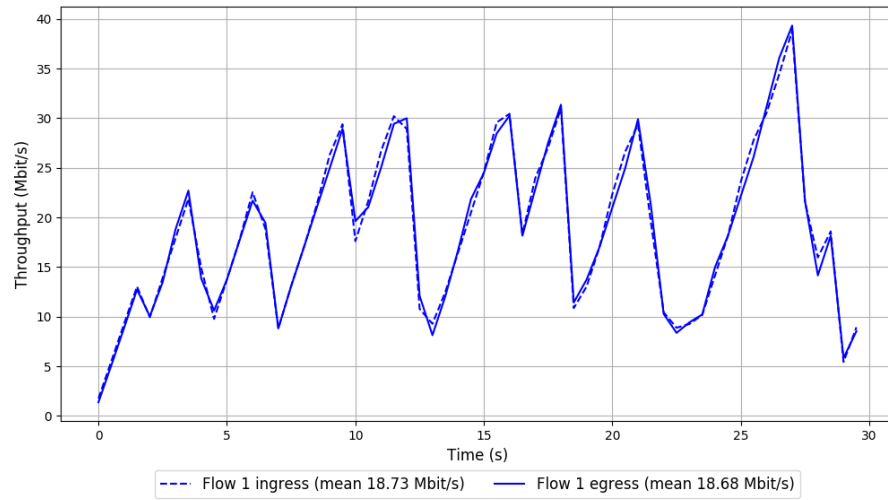
Run 9: Statistics of LEDBAT

Start at: 2017-11-21 02:00:47  
End at: 2017-11-21 02:01:17  
Local clock offset: 0.831 ms  
Remote clock offset: -2.402 ms

# Below is generated by plot.py at 2017-11-21 06:10:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 18.68 Mbit/s  
95th percentile per-packet one-way delay: 31.807 ms  
Loss rate: 0.44%  
-- Flow 1:  
Average throughput: 18.68 Mbit/s  
95th percentile per-packet one-way delay: 31.807 ms  
Loss rate: 0.44%



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



Run 10: Statistics of LEDBAT

Start at: 2017-11-21 02:20:43

End at: 2017-11-21 02:21:13

Local clock offset: 1.049 ms

Remote clock offset: -2.134 ms

# Below is generated by plot.py at 2017-11-21 06:10:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.75 Mbit/s

95th percentile per-packet one-way delay: 32.088 ms

Loss rate: 0.78%

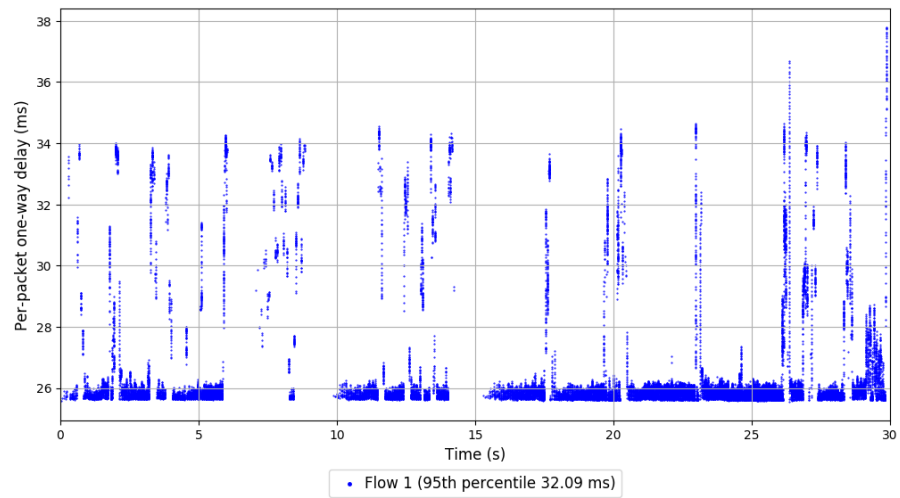
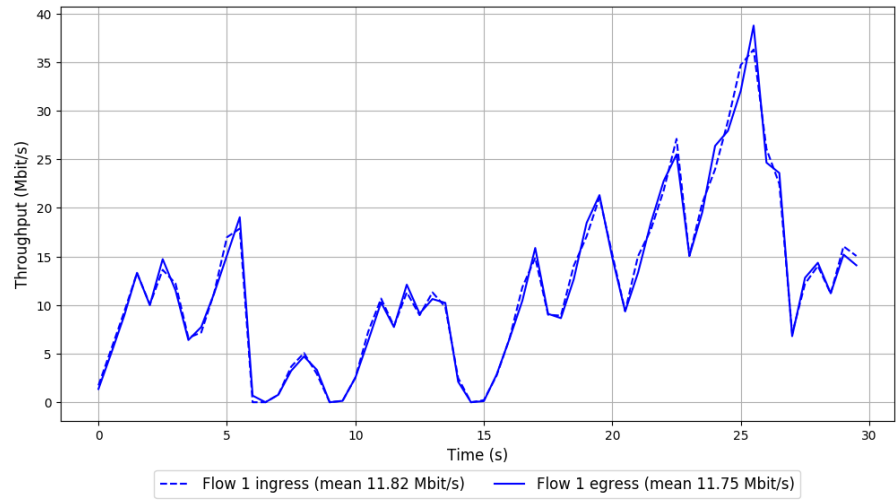
-- Flow 1:

Average throughput: 11.75 Mbit/s

95th percentile per-packet one-way delay: 32.088 ms

Loss rate: 0.78%

## Run 10: Report of LEDBAT — Data Link

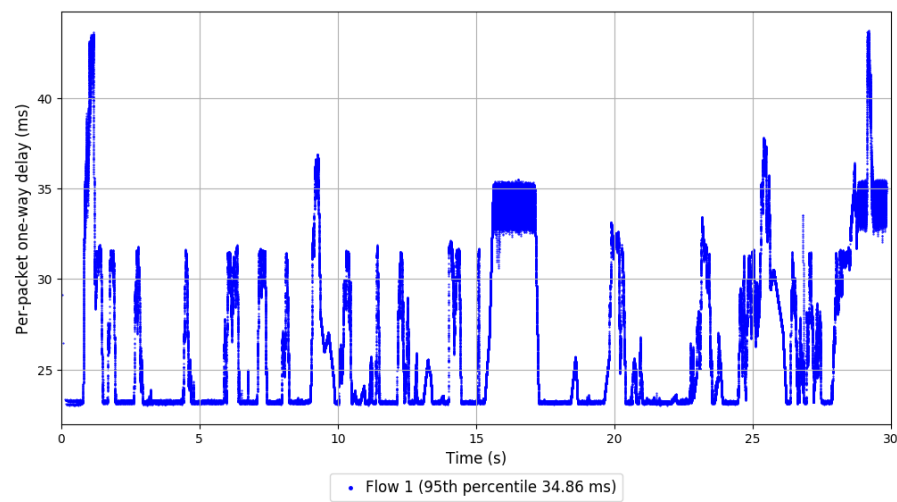
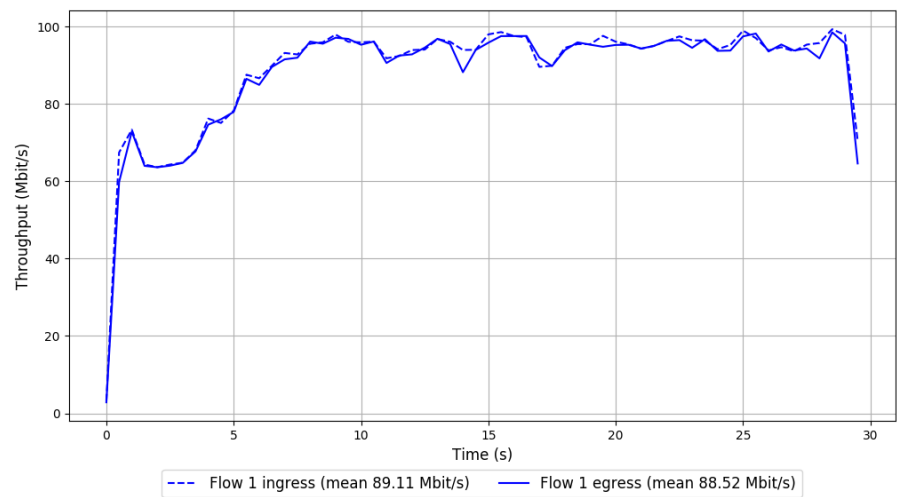


```
Run 1: Statistics of PCC

Start at: 2017-11-20 23:28:16
End at: 2017-11-20 23:28:46
Local clock offset: 2.099 ms
Remote clock offset: 1.594 ms

# Below is generated by plot.py at 2017-11-21 06:11:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.52 Mbit/s
95th percentile per-packet one-way delay: 34.862 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 88.52 Mbit/s
95th percentile per-packet one-way delay: 34.862 ms
Loss rate: 0.88%
```

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2017-11-20 23:46:44

End at: 2017-11-20 23:47:14

Local clock offset: 1.441 ms

Remote clock offset: 0.326 ms

# Below is generated by plot.py at 2017-11-21 06:11:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.37 Mbit/s

95th percentile per-packet one-way delay: 31.532 ms

Loss rate: 0.74%

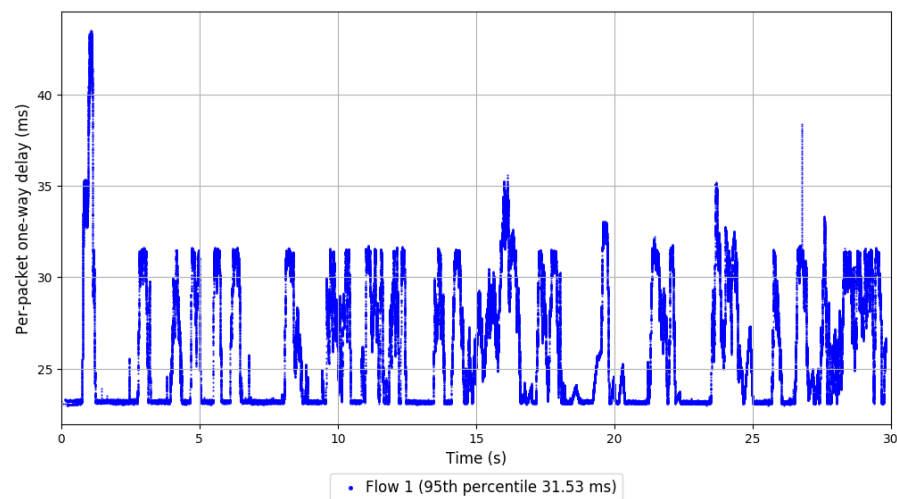
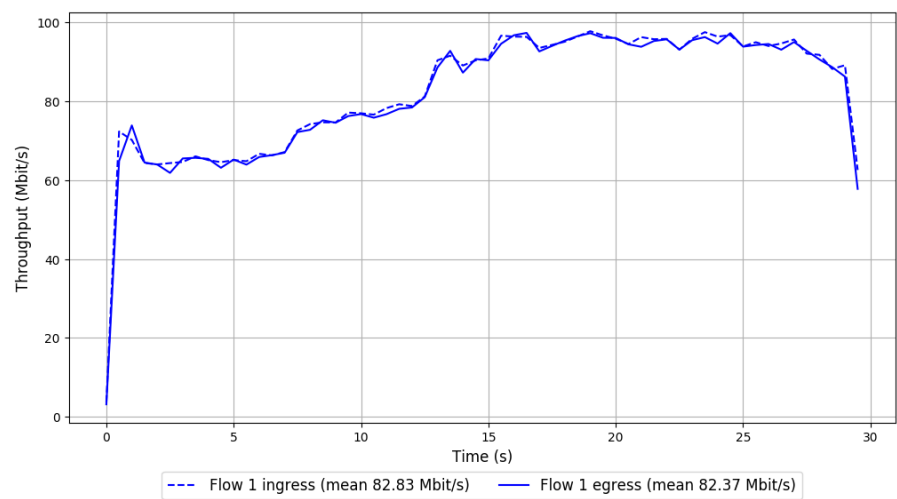
-- Flow 1:

Average throughput: 82.37 Mbit/s

95th percentile per-packet one-way delay: 31.532 ms

Loss rate: 0.74%

Run 2: Report of PCC — Data Link



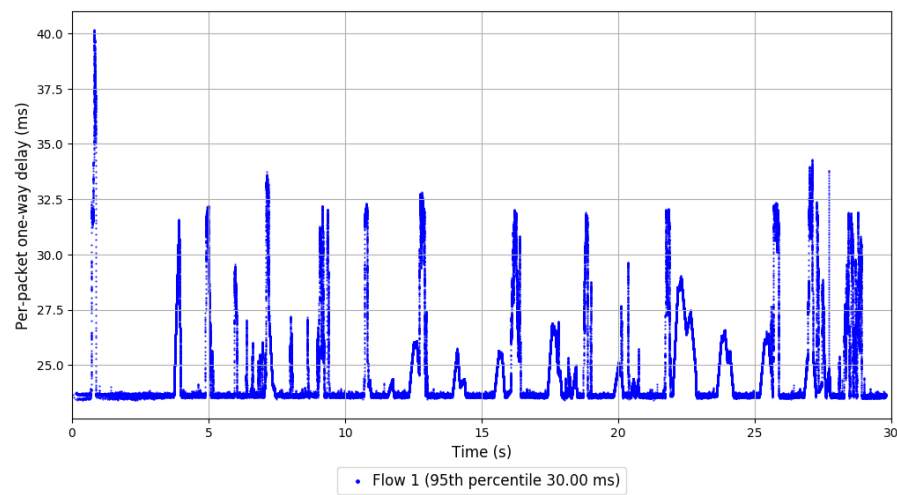
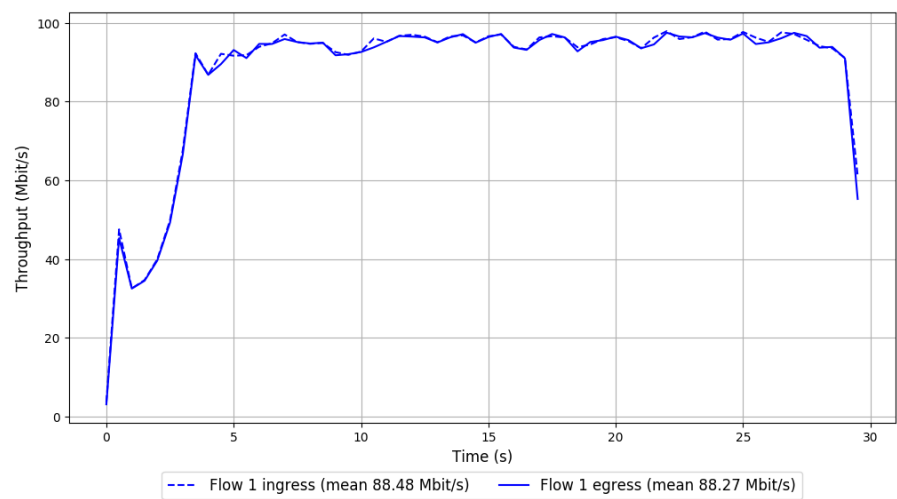
Run 3: Statistics of PCC

Start at: 2017-11-21 00:05:16  
End at: 2017-11-21 00:05:46  
Local clock offset: 2.289 ms  
Remote clock offset: -0.466 ms

# Below is generated by plot.py at 2017-11-21 06:11:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.27 Mbit/s  
95th percentile per-packet one-way delay: 30.005 ms  
Loss rate: 0.42%  
-- Flow 1:  
Average throughput: 88.27 Mbit/s  
95th percentile per-packet one-way delay: 30.005 ms  
Loss rate: 0.42%



Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2017-11-21 00:24:32

End at: 2017-11-21 00:25:02

Local clock offset: 3.568 ms

Remote clock offset: -0.62 ms

# Below is generated by plot.py at 2017-11-21 06:11:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.38 Mbit/s

95th percentile per-packet one-way delay: 42.407 ms

Loss rate: 1.06%

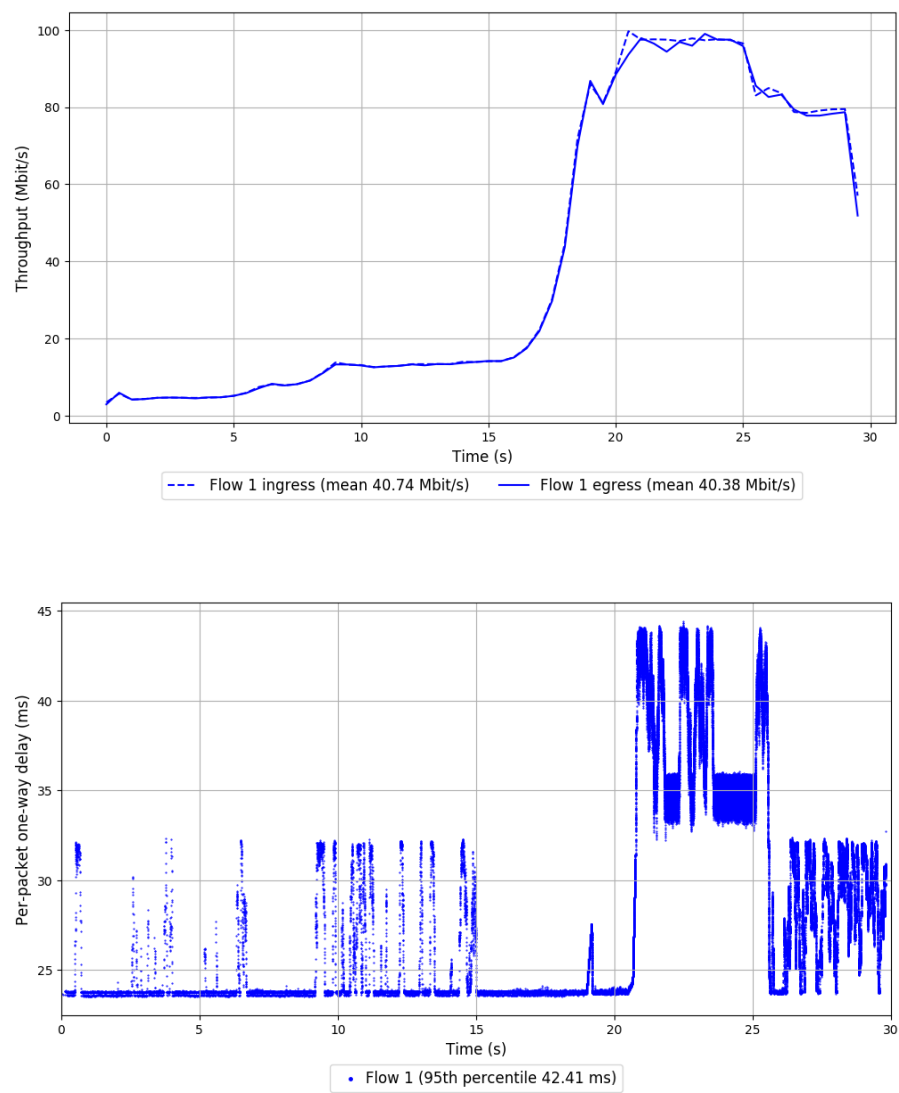
-- Flow 1:

Average throughput: 40.38 Mbit/s

95th percentile per-packet one-way delay: 42.407 ms

Loss rate: 1.06%

Run 4: Report of PCC — Data Link

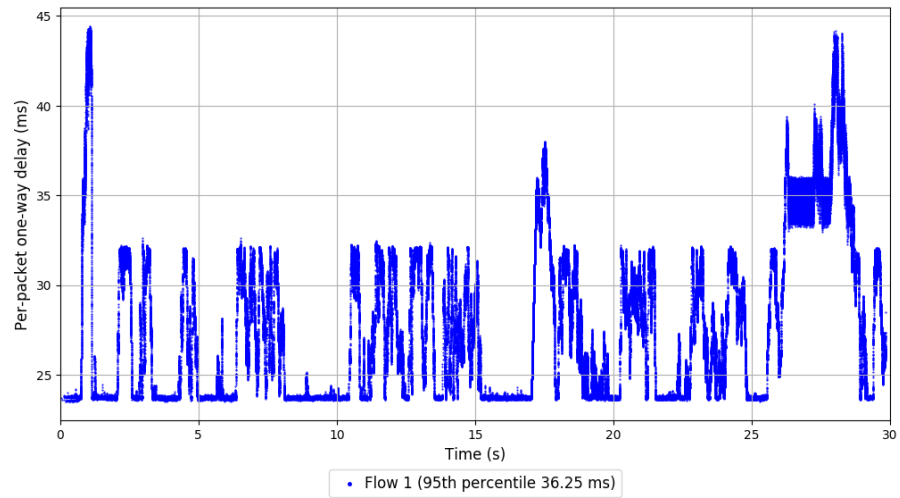
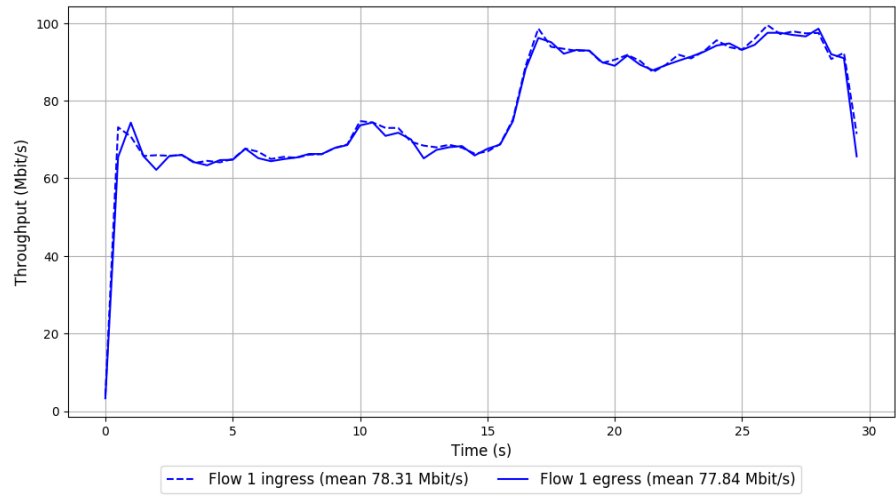


Run 5: Statistics of PCC

Start at: 2017-11-21 00:43:37  
End at: 2017-11-21 00:44:07  
Local clock offset: 3.369 ms  
Remote clock offset: -0.359 ms

# Below is generated by plot.py at 2017-11-21 06:11:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.84 Mbit/s  
95th percentile per-packet one-way delay: 36.249 ms  
Loss rate: 0.79%  
-- Flow 1:  
Average throughput: 77.84 Mbit/s  
95th percentile per-packet one-way delay: 36.249 ms  
Loss rate: 0.79%

### Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2017-11-21 01:02:20

End at: 2017-11-21 01:02:50

Local clock offset: 2.379 ms

Remote clock offset: 0.535 ms

# Below is generated by plot.py at 2017-11-21 06:11:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.66 Mbit/s

95th percentile per-packet one-way delay: 32.246 ms

Loss rate: 0.86%

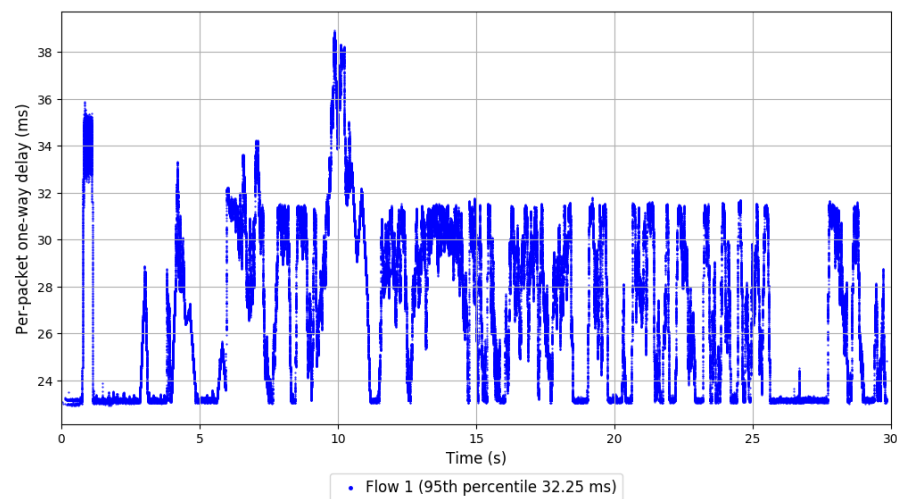
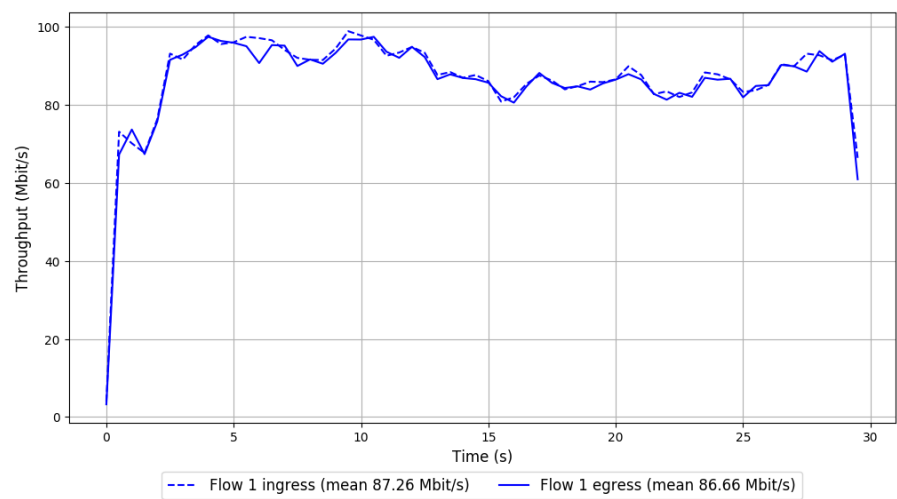
-- Flow 1:

Average throughput: 86.66 Mbit/s

95th percentile per-packet one-way delay: 32.246 ms

Loss rate: 0.86%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2017-11-21 01:21:36

End at: 2017-11-21 01:22:06

Local clock offset: 2.418 ms

Remote clock offset: 0.828 ms

# Below is generated by plot.py at 2017-11-21 06:11:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.92 Mbit/s

95th percentile per-packet one-way delay: 36.712 ms

Loss rate: 1.08%

-- Flow 1:

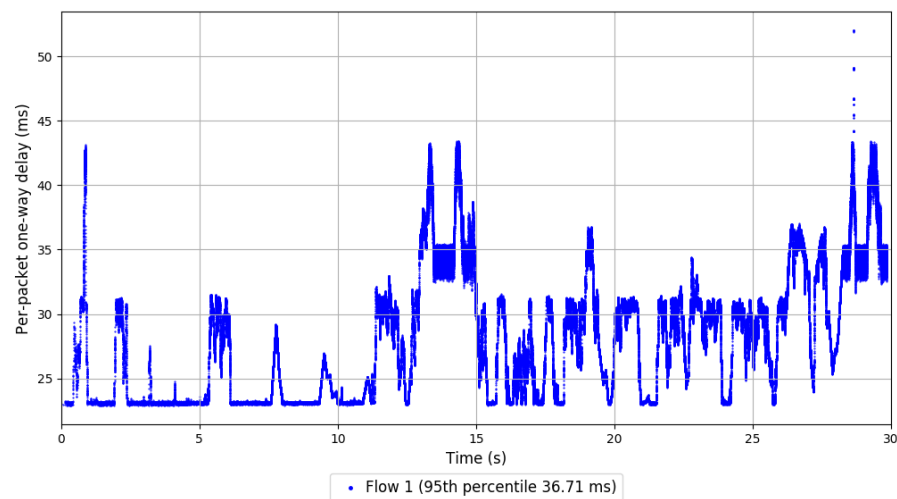
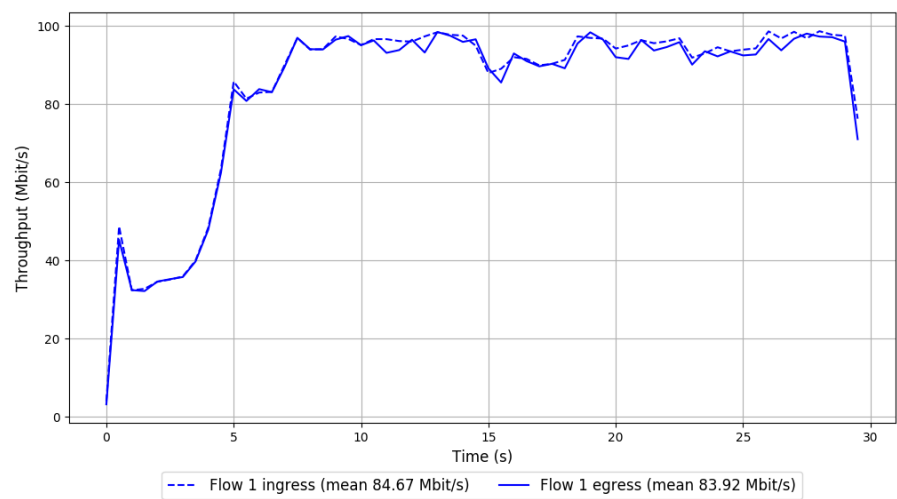
Average throughput: 83.92 Mbit/s

95th percentile per-packet one-way delay: 36.712 ms

Loss rate: 1.08%



Run 7: Report of PCC — Data Link

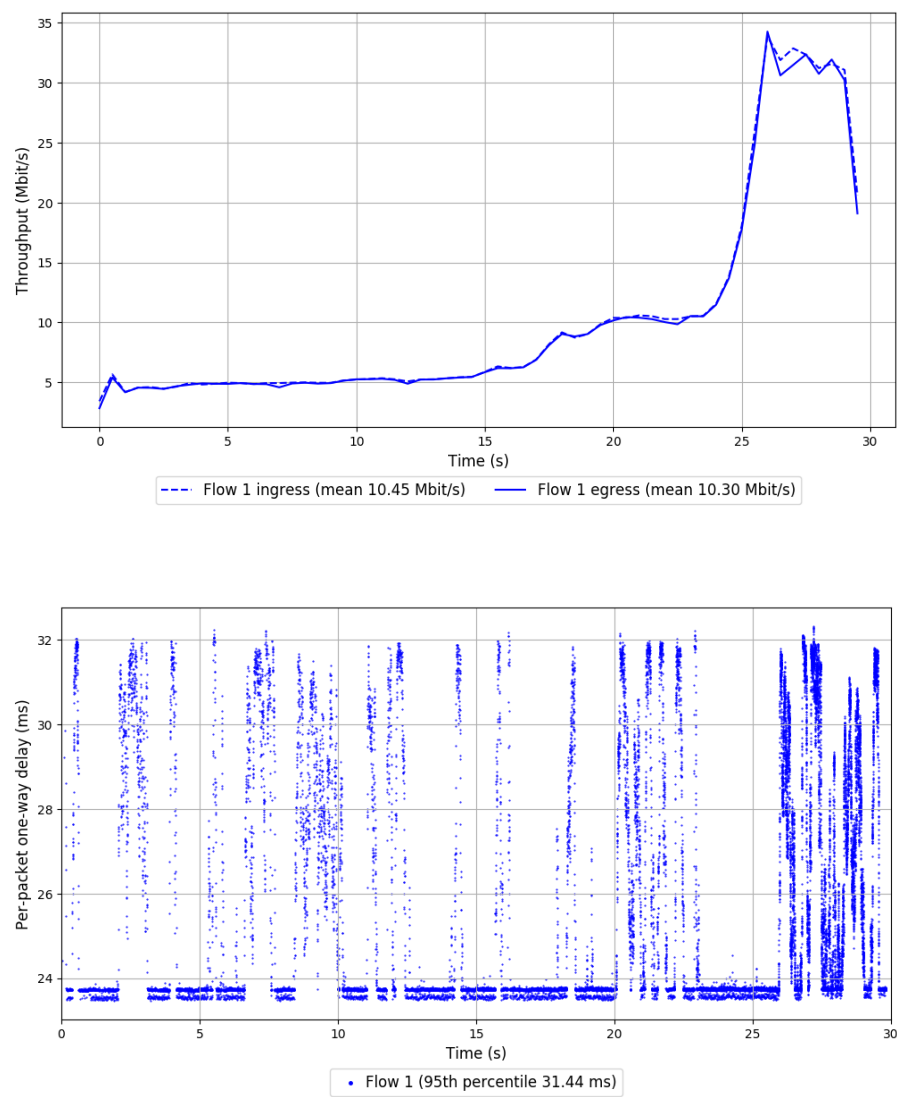


Run 8: Statistics of PCC

Start at: 2017-11-21 01:41:41  
End at: 2017-11-21 01:42:11  
Local clock offset: 1.11 ms  
Remote clock offset: -0.376 ms

# Below is generated by plot.py at 2017-11-21 06:11:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 10.30 Mbit/s  
95th percentile per-packet one-way delay: 31.442 ms  
Loss rate: 1.62%  
-- Flow 1:  
Average throughput: 10.30 Mbit/s  
95th percentile per-packet one-way delay: 31.442 ms  
Loss rate: 1.62%

Run 8: Report of PCC — Data Link

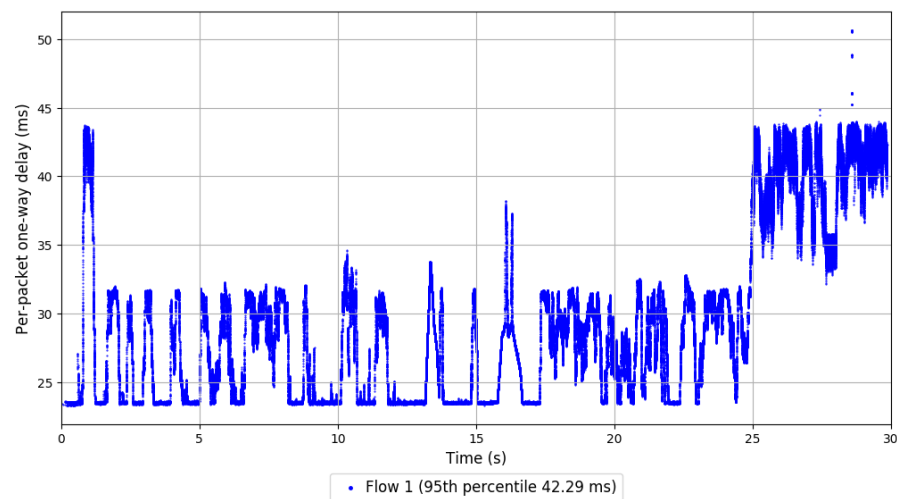
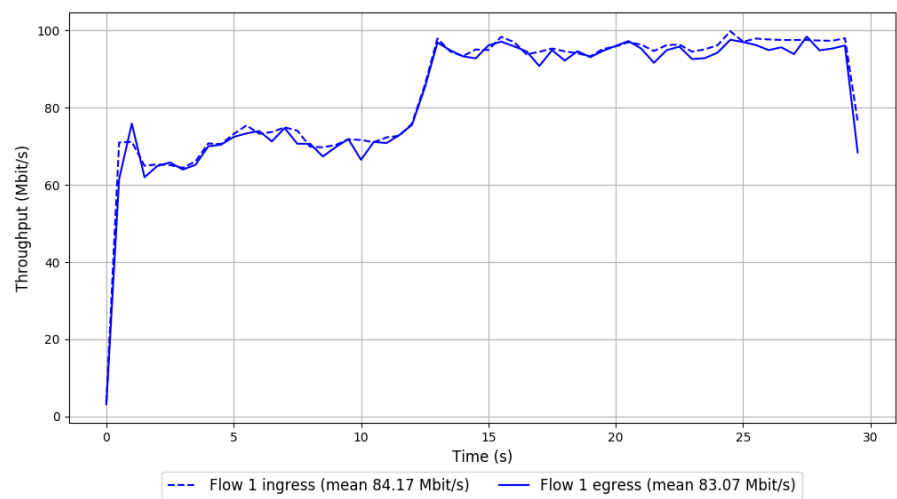


Run 9: Statistics of PCC

Start at: 2017-11-21 02:02:06  
End at: 2017-11-21 02:02:36  
Local clock offset: 0.816 ms  
Remote clock offset: -0.223 ms

# Below is generated by plot.py at 2017-11-21 06:12:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.07 Mbit/s  
95th percentile per-packet one-way delay: 42.294 ms  
Loss rate: 1.50%  
-- Flow 1:  
Average throughput: 83.07 Mbit/s  
95th percentile per-packet one-way delay: 42.294 ms  
Loss rate: 1.50%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2017-11-21 02:22:02

End at: 2017-11-21 02:22:32

Local clock offset: 0.976 ms

Remote clock offset: -2.33 ms

# Below is generated by plot.py at 2017-11-21 06:12:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 38.94 Mbit/s

95th percentile per-packet one-way delay: 33.909 ms

Loss rate: 1.62%

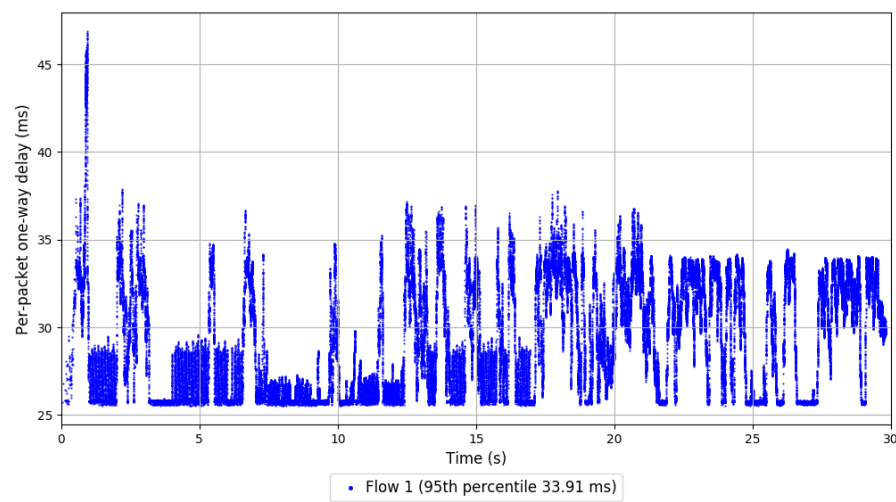
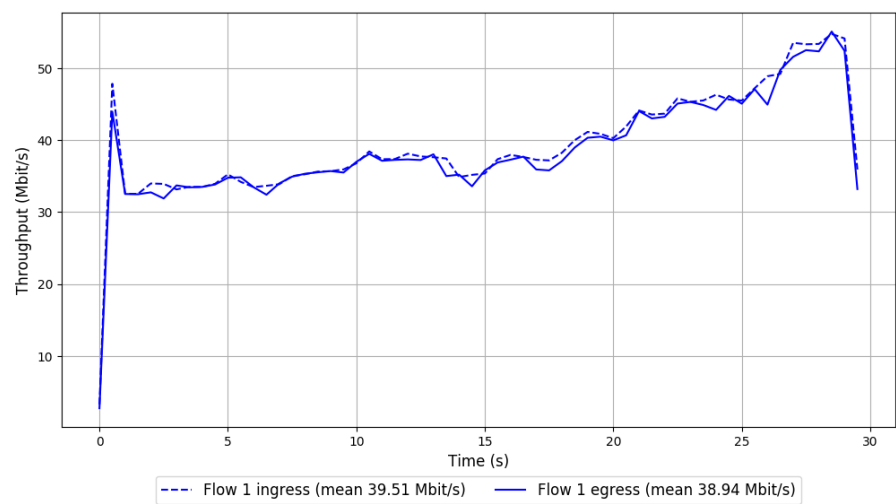
-- Flow 1:

Average throughput: 38.94 Mbit/s

95th percentile per-packet one-way delay: 33.909 ms

Loss rate: 1.62%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2017-11-20 23:44:06

End at: 2017-11-20 23:44:36

Local clock offset: 1.331 ms

Remote clock offset: -1.989 ms

# Below is generated by plot.py at 2017-11-21 06:12:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.03 Mbit/s

95th percentile per-packet one-way delay: 36.477 ms

Loss rate: 0.26%

-- Flow 1:

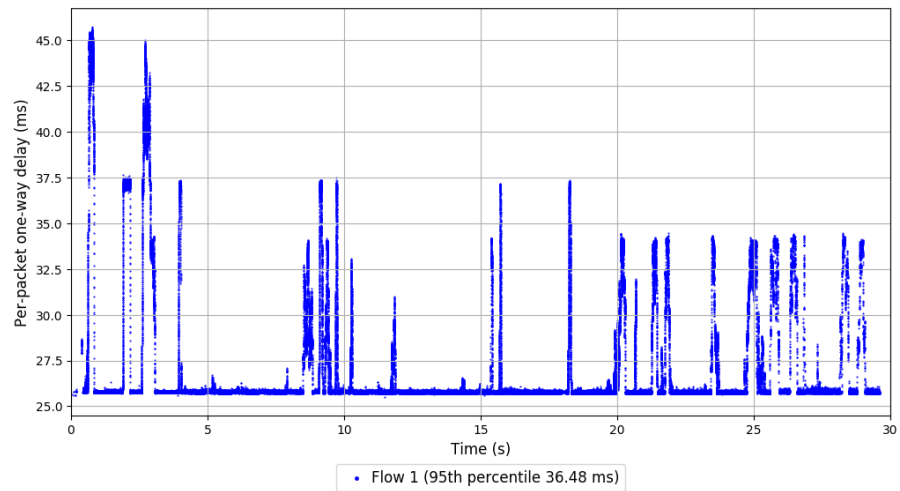
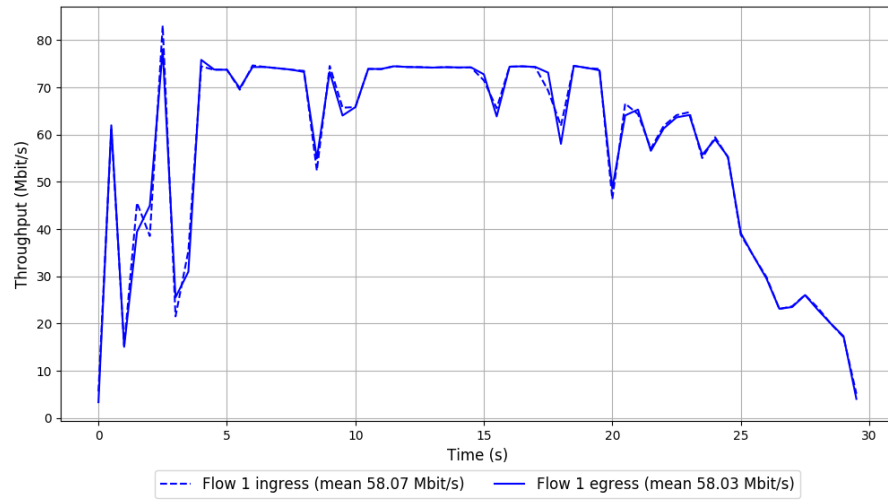
Average throughput: 58.03 Mbit/s

95th percentile per-packet one-way delay: 36.477 ms

Loss rate: 0.26%



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



Run 2: Statistics of QUIC Cubic

Start at: 2017-11-21 00:02:33

End at: 2017-11-21 00:03:03

Local clock offset: 2.102 ms

Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2017-11-21 06:12:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 38.62 Mbit/s

95th percentile per-packet one-way delay: 34.900 ms

Loss rate: 0.48%

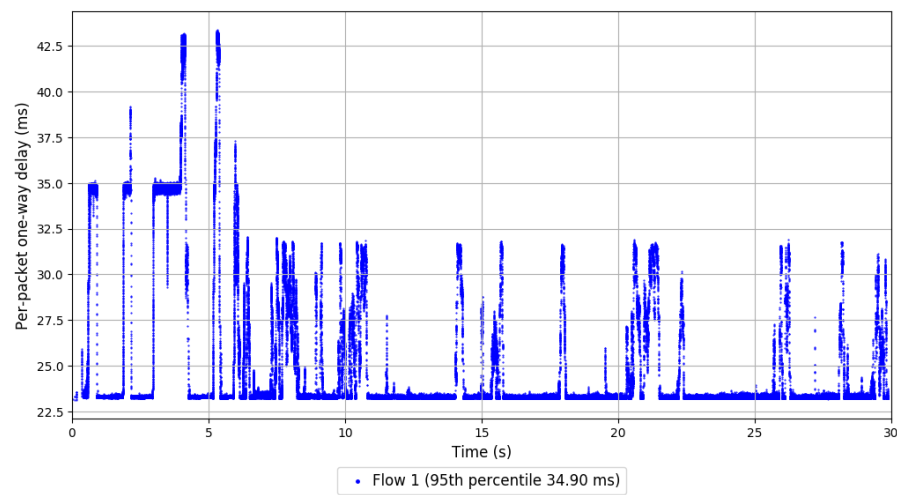
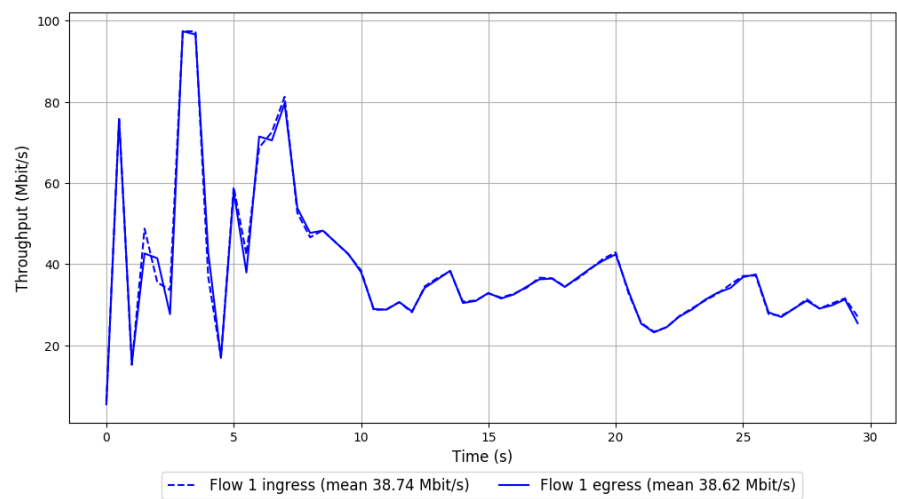
-- Flow 1:

Average throughput: 38.62 Mbit/s

95th percentile per-packet one-way delay: 34.900 ms

Loss rate: 0.48%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2017-11-21 00:21:57

End at: 2017-11-21 00:22:27

Local clock offset: 3.632 ms

Remote clock offset: -2.772 ms

# Below is generated by plot.py at 2017-11-21 06:12:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 14.27 Mbit/s

95th percentile per-packet one-way delay: 33.689 ms

Loss rate: 0.93%

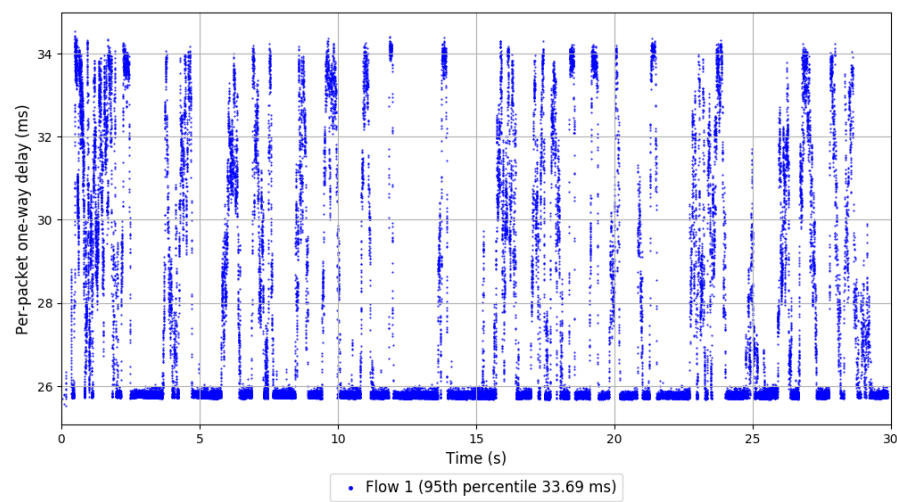
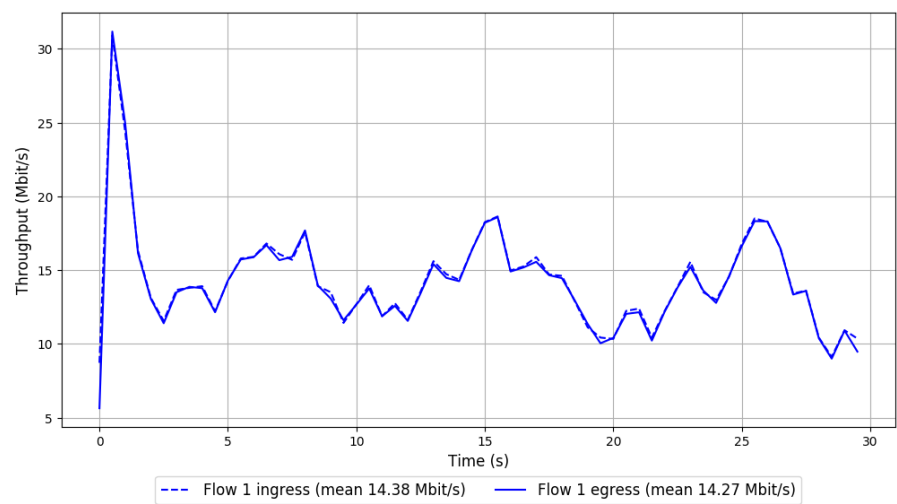
-- Flow 1:

Average throughput: 14.27 Mbit/s

95th percentile per-packet one-way delay: 33.689 ms

Loss rate: 0.93%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: 2017-11-21 00:40:58

End at: 2017-11-21 00:41:28

Local clock offset: 3.209 ms

Remote clock offset: -0.393 ms

# Below is generated by plot.py at 2017-11-21 06:12:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 39.45 Mbit/s

95th percentile per-packet one-way delay: 34.888 ms

Loss rate: 0.47%

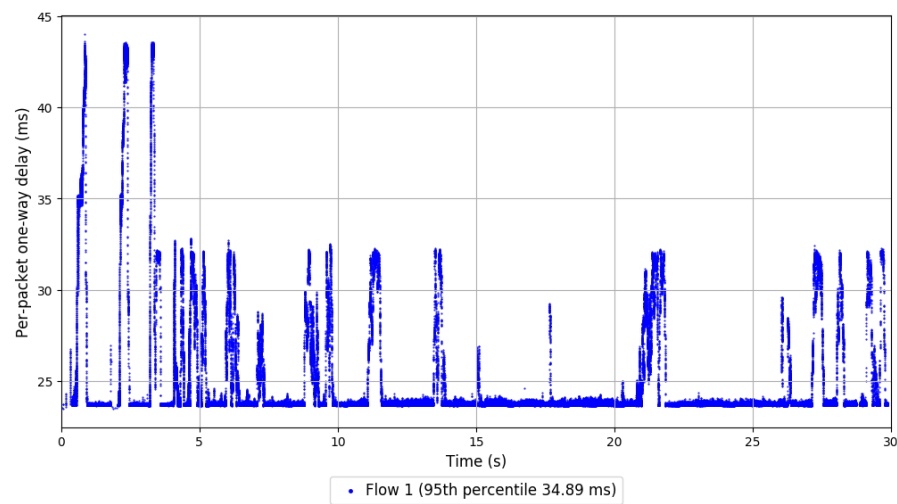
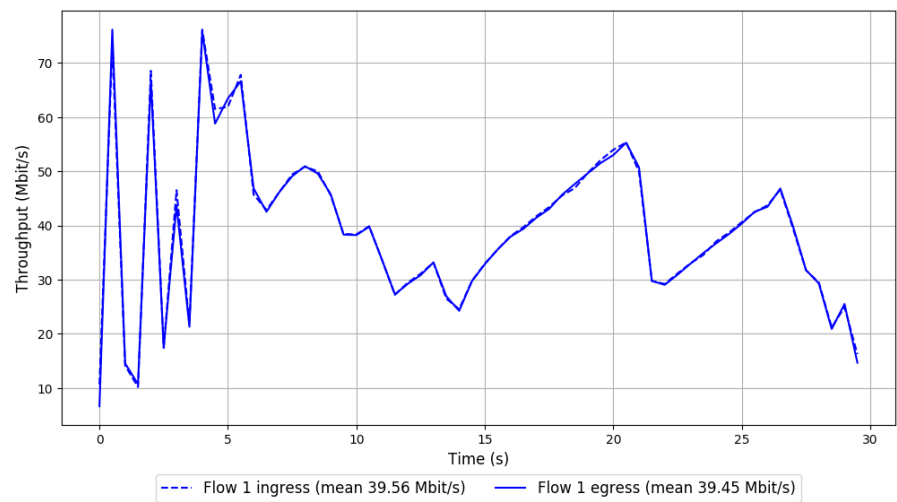
-- Flow 1:

Average throughput: 39.45 Mbit/s

95th percentile per-packet one-way delay: 34.888 ms

Loss rate: 0.47%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-11-21 00:59:43

End at: 2017-11-21 01:00:13

Local clock offset: 2.512 ms

Remote clock offset: -2.204 ms

# Below is generated by plot.py at 2017-11-21 06:12:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 48.21 Mbit/s

95th percentile per-packet one-way delay: 34.224 ms

Loss rate: 0.48%

-- Flow 1:

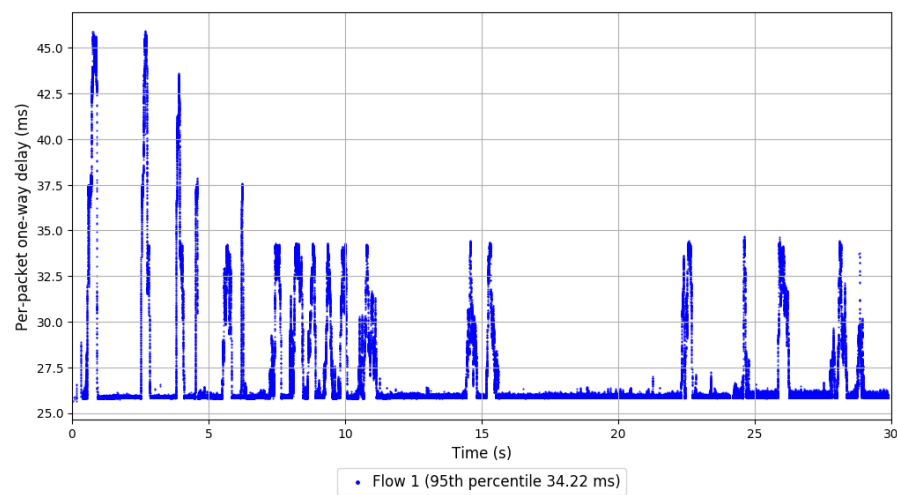
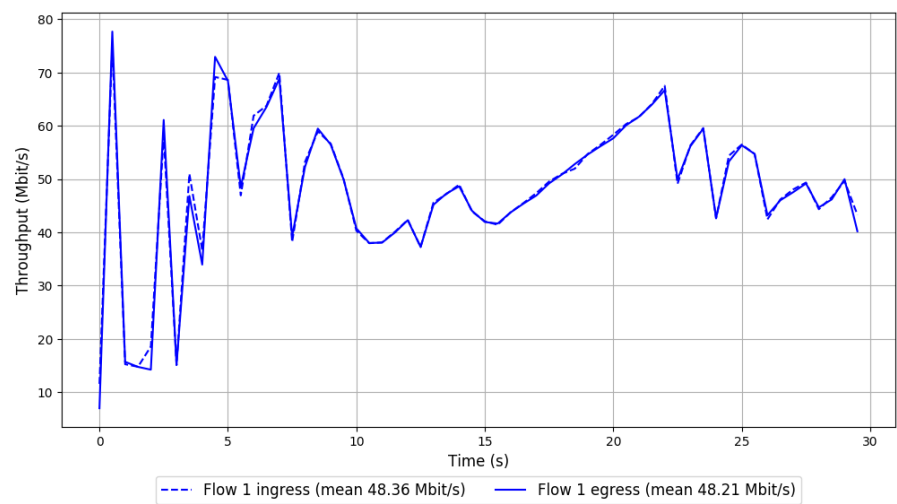
Average throughput: 48.21 Mbit/s

95th percentile per-packet one-way delay: 34.224 ms

Loss rate: 0.48%



Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2017-11-21 01:18:58

End at: 2017-11-21 01:19:28

Local clock offset: 2.348 ms

Remote clock offset: 0.694 ms

# Below is generated by plot.py at 2017-11-21 06:12:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 30.70 Mbit/s

95th percentile per-packet one-way delay: 31.161 ms

Loss rate: 0.79%

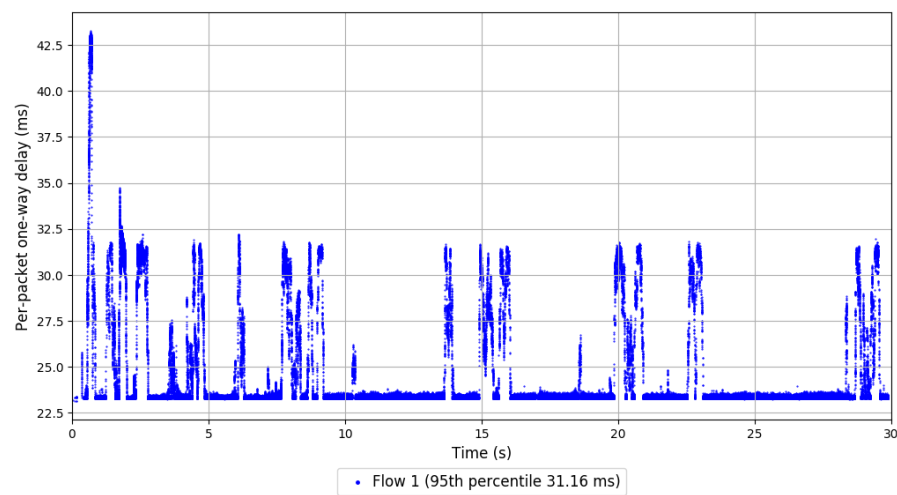
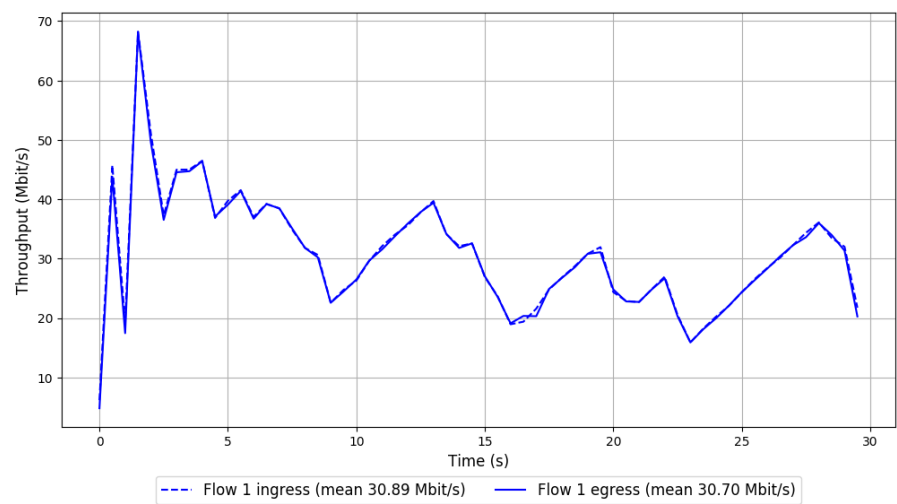
-- Flow 1:

Average throughput: 30.70 Mbit/s

95th percentile per-packet one-way delay: 31.161 ms

Loss rate: 0.79%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2017-11-21 01:39:03

End at: 2017-11-21 01:39:33

Local clock offset: 1.292 ms

Remote clock offset: -0.379 ms

# Below is generated by plot.py at 2017-11-21 06:12:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 16.24 Mbit/s

95th percentile per-packet one-way delay: 42.632 ms

Loss rate: 1.70%

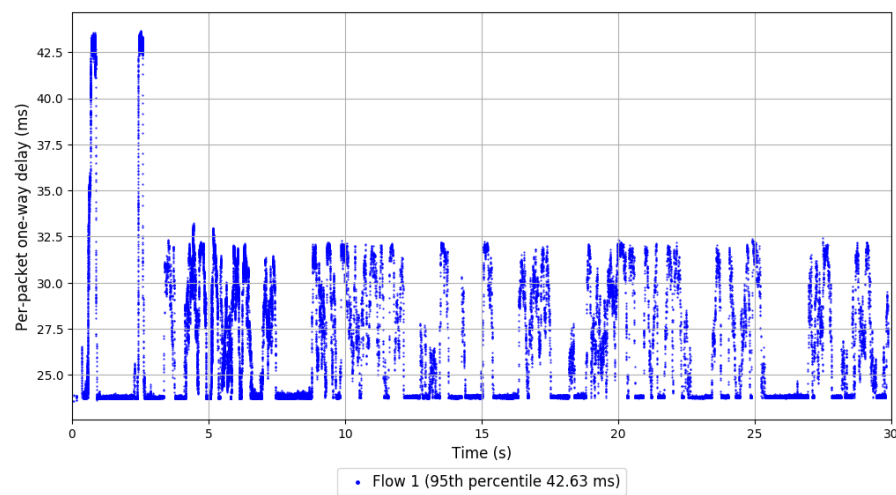
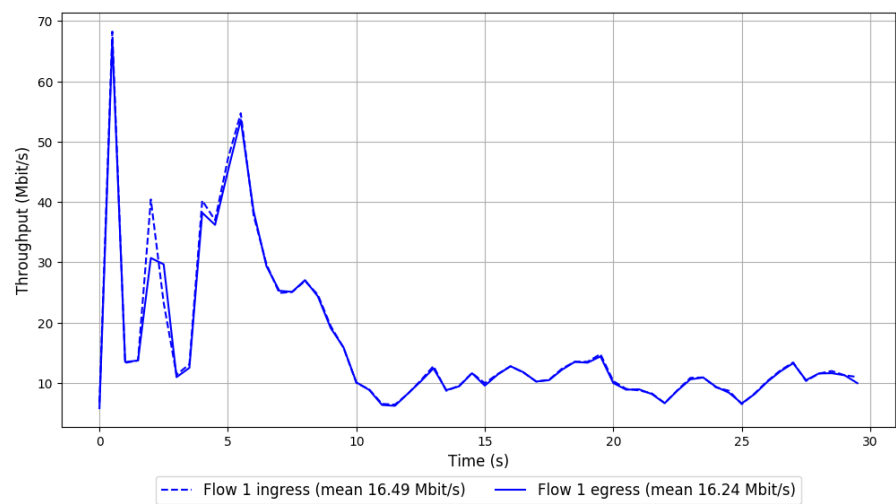
-- Flow 1:

Average throughput: 16.24 Mbit/s

95th percentile per-packet one-way delay: 42.632 ms

Loss rate: 1.70%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-11-21 01:59:25

End at: 2017-11-21 01:59:55

Local clock offset: 0.833 ms

Remote clock offset: -0.346 ms

# Below is generated by plot.py at 2017-11-21 06:12:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.82 Mbit/s

95th percentile per-packet one-way delay: 40.594 ms

Loss rate: 0.99%

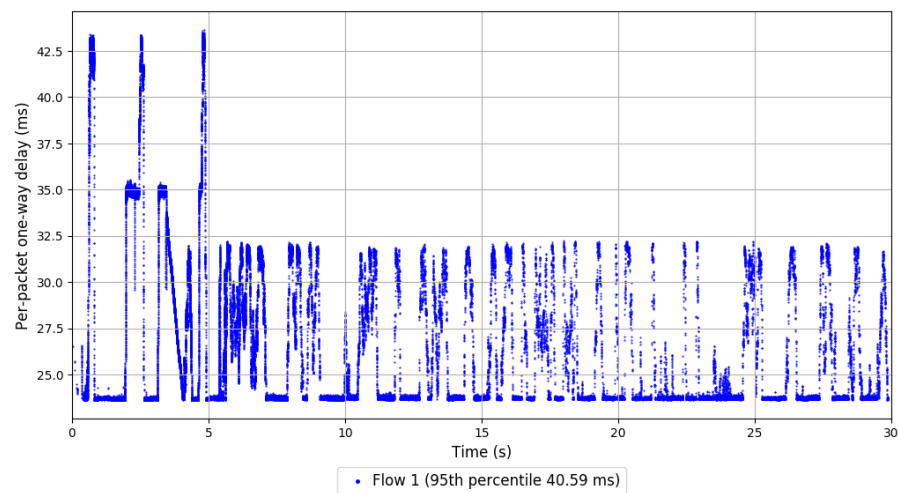
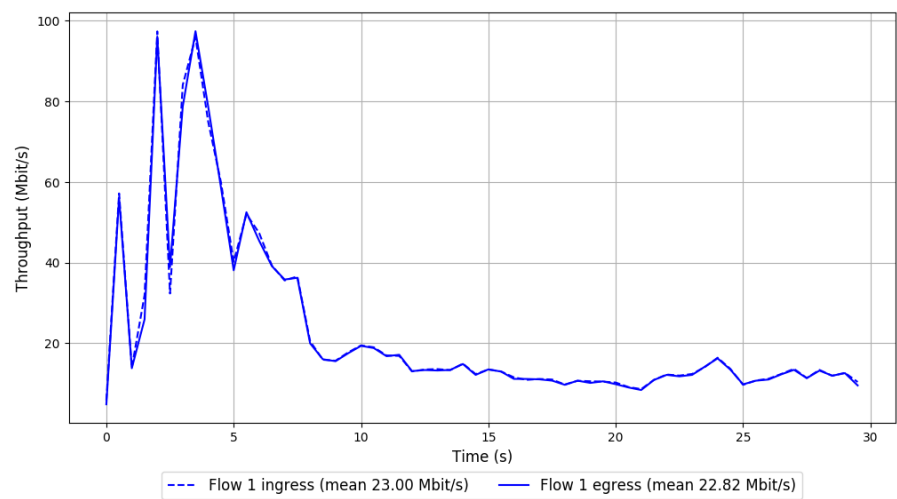
-- Flow 1:

Average throughput: 22.82 Mbit/s

95th percentile per-packet one-way delay: 40.594 ms

Loss rate: 0.99%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-11-21 02:19:25

End at: 2017-11-21 02:19:55

Local clock offset: 1.005 ms

Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2017-11-21 06:12:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 20.05 Mbit/s

95th percentile per-packet one-way delay: 41.863 ms

Loss rate: 1.33%

-- Flow 1:

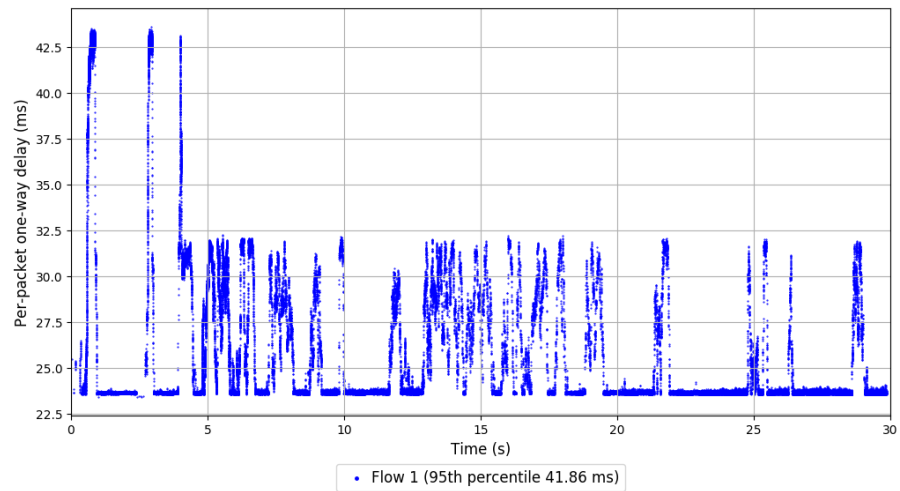
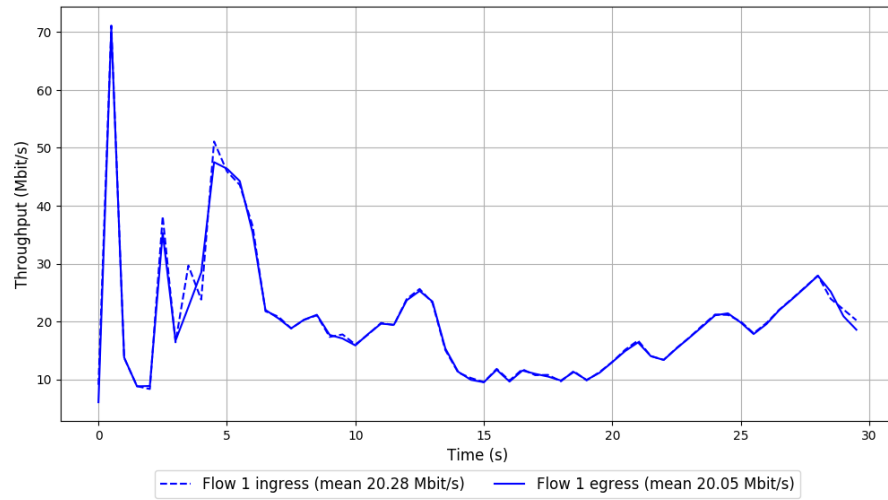
Average throughput: 20.05 Mbit/s

95th percentile per-packet one-way delay: 41.863 ms

Loss rate: 1.33%



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



Run 10: Statistics of QUIC Cubic

Start at: 2017-11-21 02:38:51

End at: 2017-11-21 02:39:21

Local clock offset: 1.335 ms

Remote clock offset: -0.468 ms

# Below is generated by plot.py at 2017-11-21 06:12:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 21.18 Mbit/s

95th percentile per-packet one-way delay: 31.021 ms

Loss rate: 0.79%

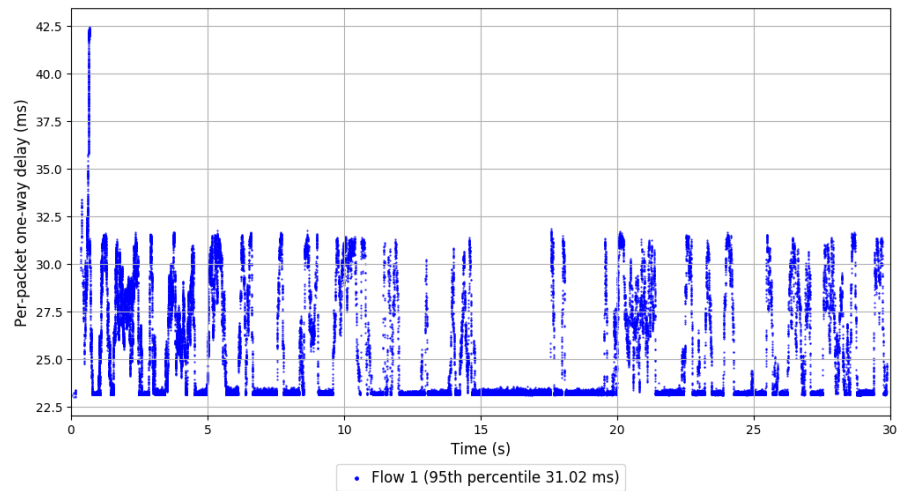
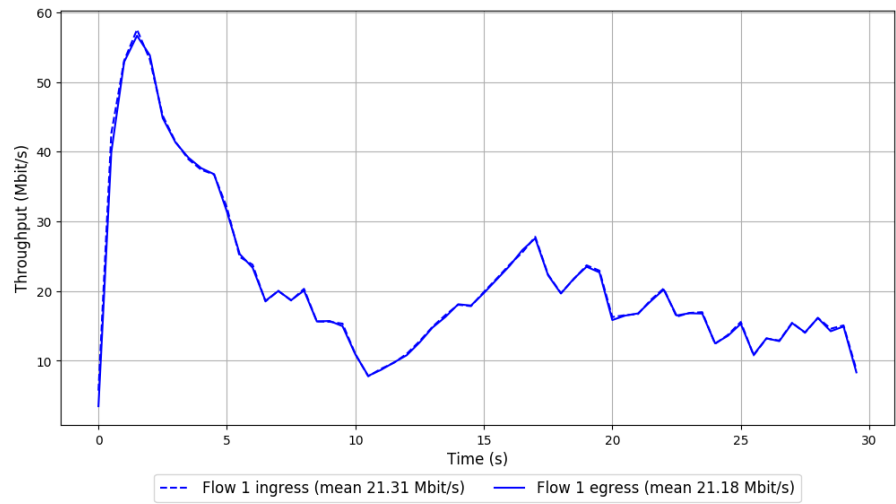
-- Flow 1:

Average throughput: 21.18 Mbit/s

95th percentile per-packet one-way delay: 31.021 ms

Loss rate: 0.79%

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

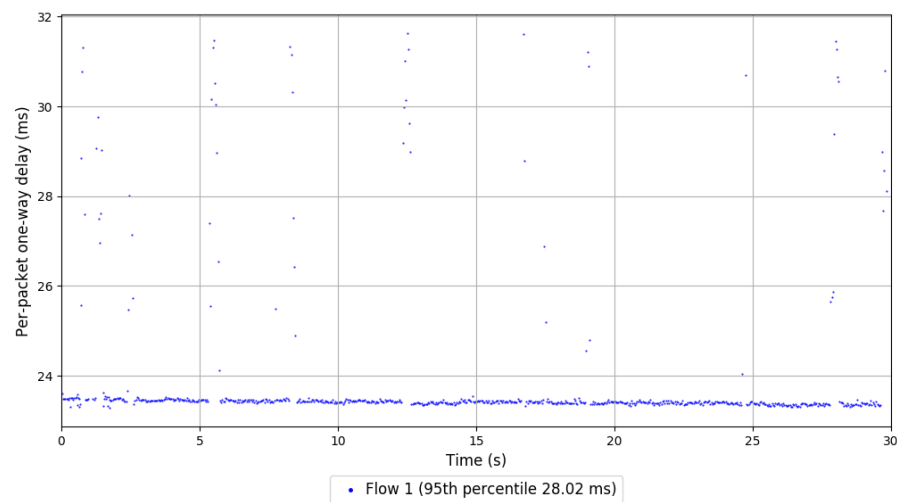
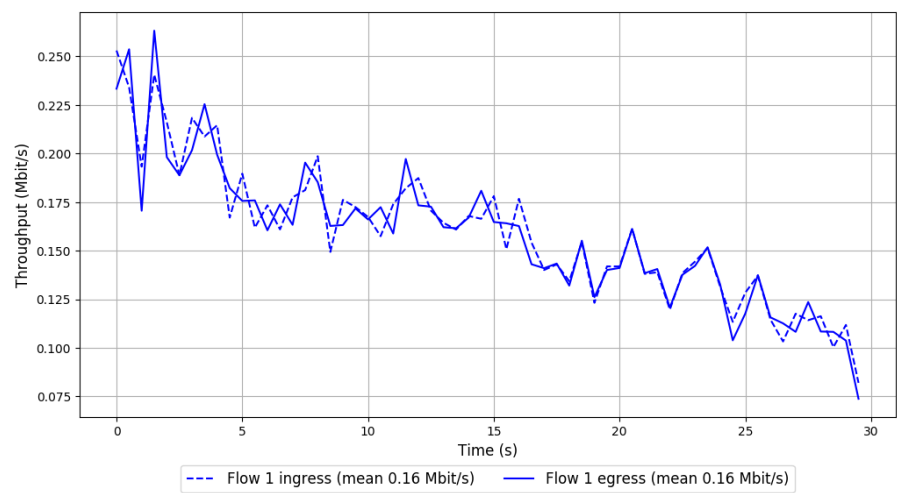


```
Run 1: Statistics of SCReAM

Start at: 2017-11-20 23:38:44
End at: 2017-11-20 23:39:14
Local clock offset: 1.132 ms
Remote clock offset: 0.531 ms

# Below is generated by plot.py at 2017-11-21 06:12:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 28.019 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 28.019 ms
Loss rate: 0.70%
```

Run 1: Report of SCRaM — Data Link

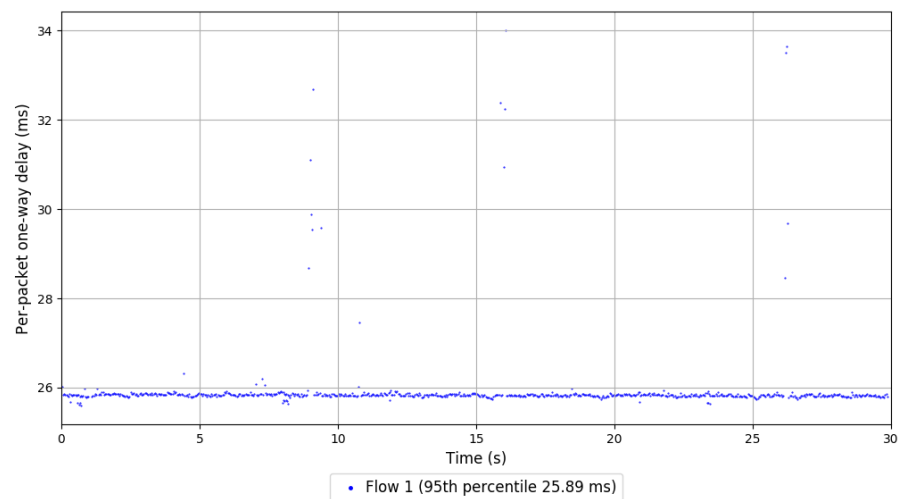
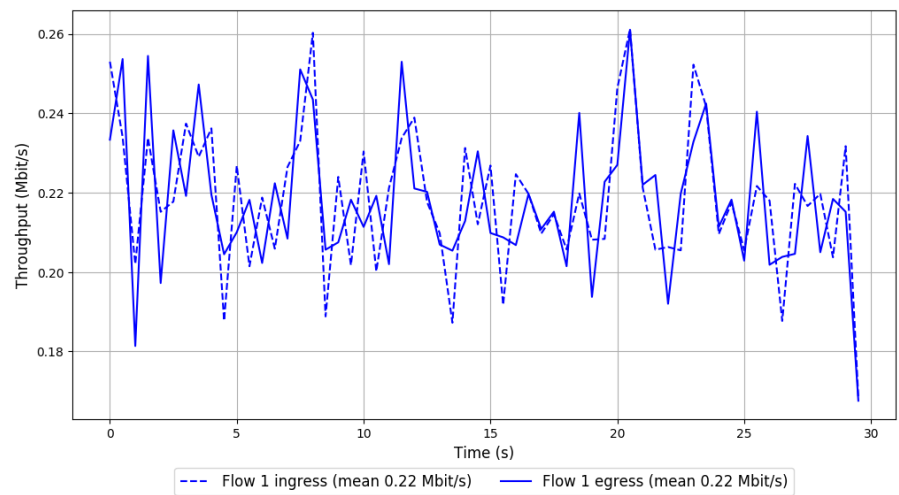


Run 2: Statistics of SCReAM

Start at: 2017-11-20 23:57:17  
End at: 2017-11-20 23:57:47  
Local clock offset: 1.823 ms  
Remote clock offset: -2.549 ms

# Below is generated by plot.py at 2017-11-21 06:12:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 25.892 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 25.892 ms  
Loss rate: 0.13%

Run 2: Report of SReAM — Data Link



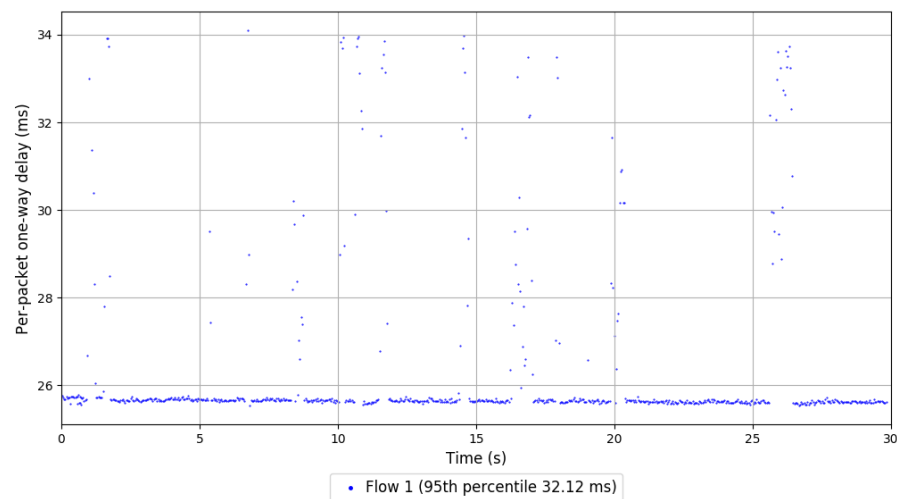
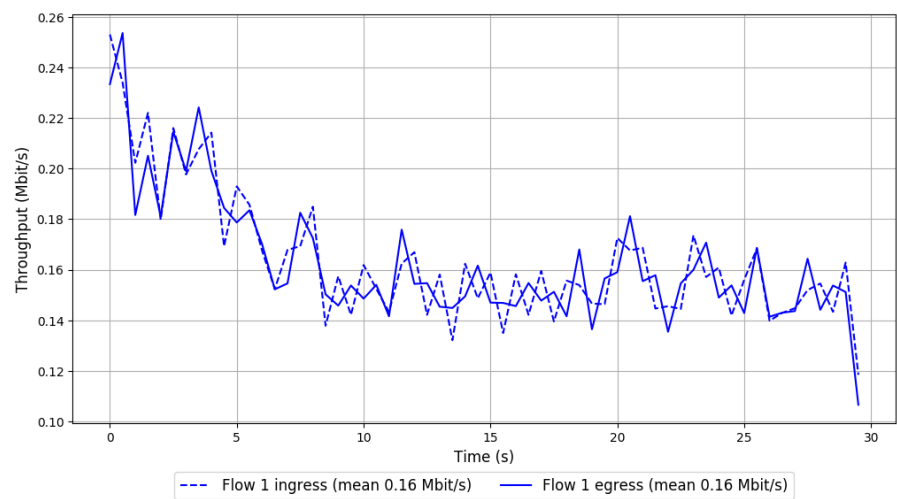
Run 3: Statistics of SCReAM

Start at: 2017-11-21 00:16:15  
End at: 2017-11-21 00:16:45  
Local clock offset: 3.079 ms  
Remote clock offset: -2.753 ms

# Below is generated by plot.py at 2017-11-21 06:12:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.16 Mbit/s  
95th percentile per-packet one-way delay: 32.121 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 0.16 Mbit/s  
95th percentile per-packet one-way delay: 32.121 ms  
Loss rate: 0.58%



Run 3: Report of SReAM — Data Link

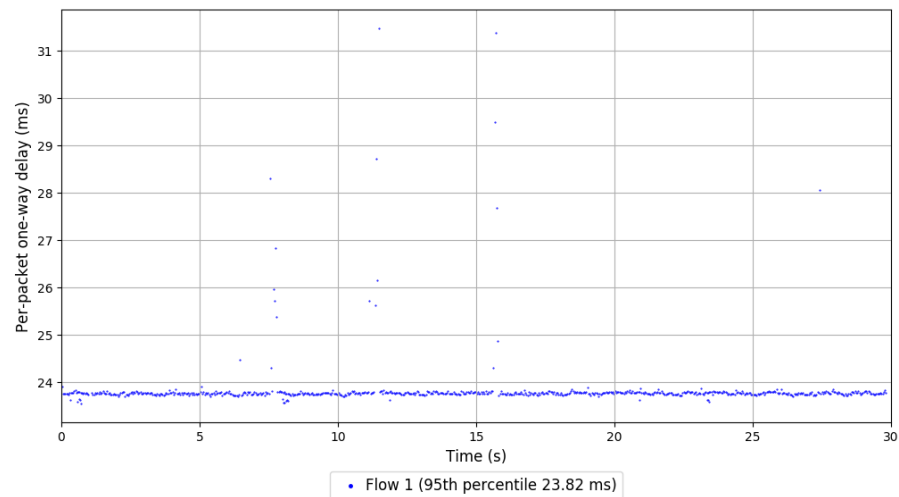
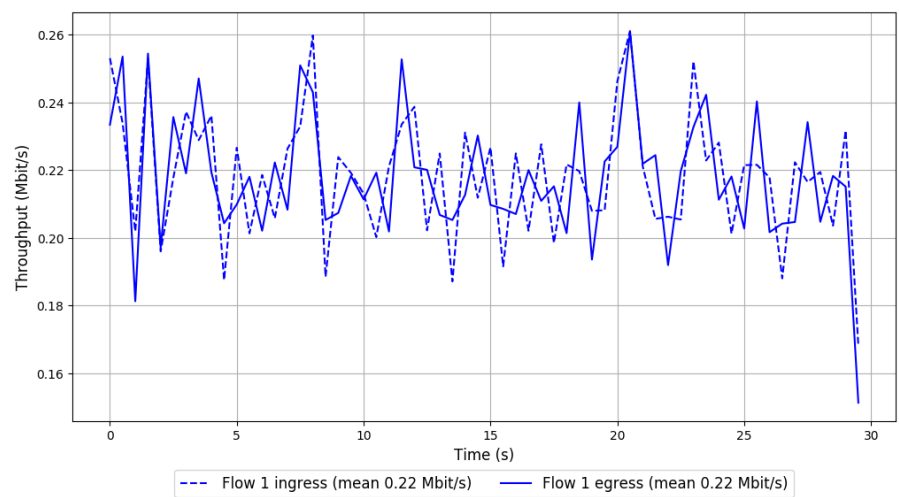


Run 4: Statistics of SReAM

Start at: 2017-11-21 00:35:24  
End at: 2017-11-21 00:35:54  
Local clock offset: 3.201 ms  
Remote clock offset: -0.474 ms

# Below is generated by plot.py at 2017-11-21 06:12:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 23.819 ms  
Loss rate: 0.25%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 23.819 ms  
Loss rate: 0.25%

Run 4: Report of SReAM — Data Link

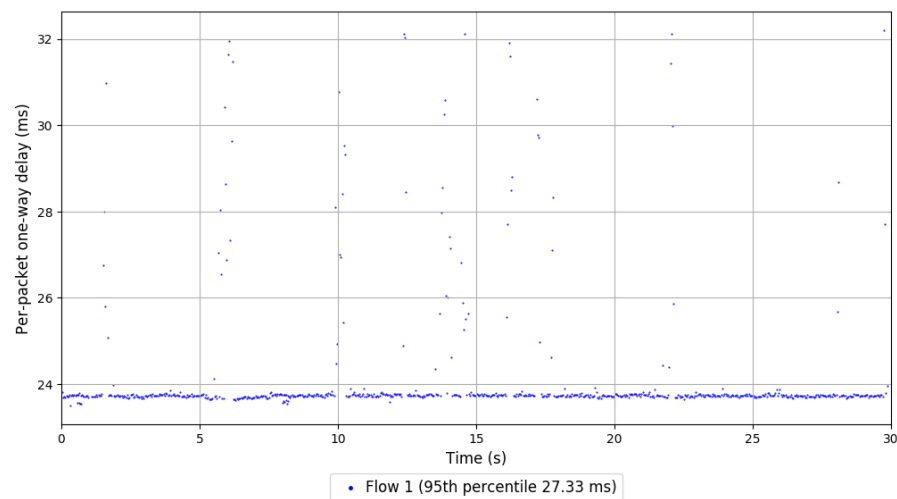
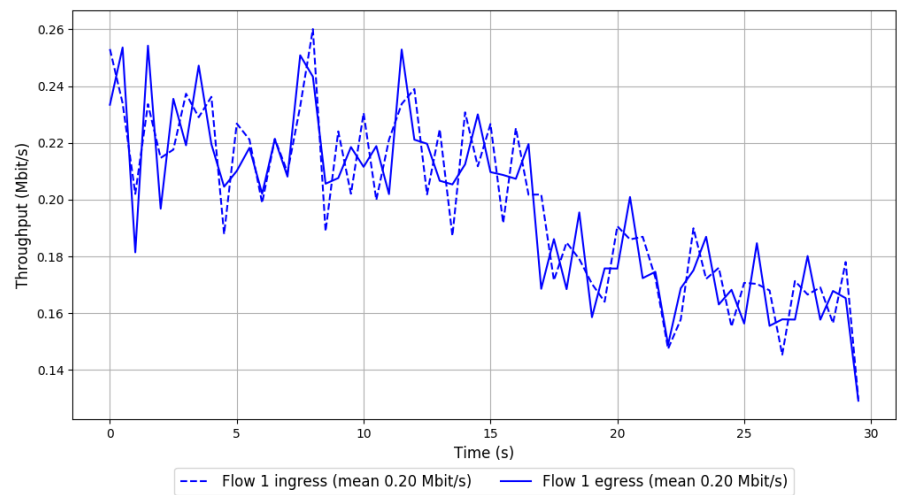


Run 5: Statistics of SCReAM

Start at: 2017-11-21 00:54:19  
End at: 2017-11-21 00:54:49  
Local clock offset: 2.874 ms  
Remote clock offset: -0.197 ms

# Below is generated by plot.py at 2017-11-21 06:12:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.20 Mbit/s  
95th percentile per-packet one-way delay: 27.328 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 0.20 Mbit/s  
95th percentile per-packet one-way delay: 27.328 ms  
Loss rate: 0.27%

Run 5: Report of SReAM — Data Link

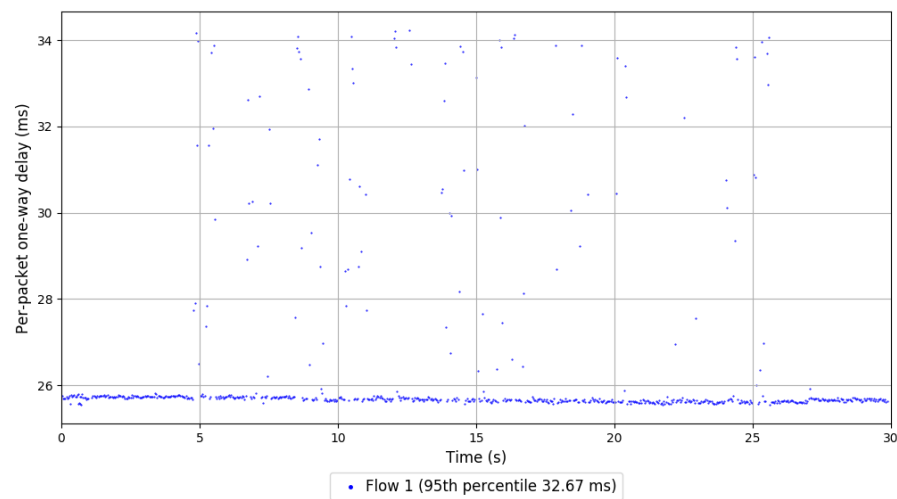
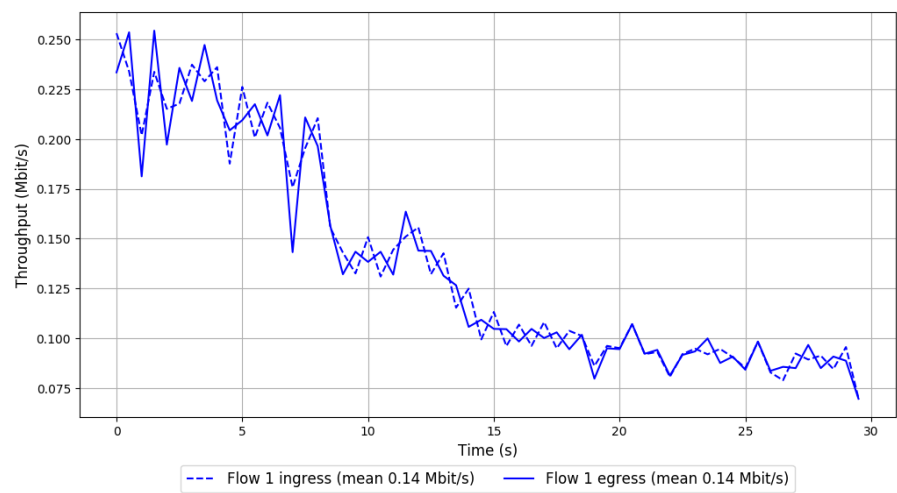


Run 6: Statistics of SCReAM

Start at: 2017-11-21 01:13:09  
End at: 2017-11-21 01:13:39  
Local clock offset: 2.142 ms  
Remote clock offset: -1.926 ms

# Below is generated by plot.py at 2017-11-21 06:12:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.14 Mbit/s  
95th percentile per-packet one-way delay: 32.667 ms  
Loss rate: 0.67%  
-- Flow 1:  
Average throughput: 0.14 Mbit/s  
95th percentile per-packet one-way delay: 32.667 ms  
Loss rate: 0.67%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2017-11-21 01:32:46

End at: 2017-11-21 01:33:16

Local clock offset: 1.768 ms

Remote clock offset: 0.301 ms

# Below is generated by plot.py at 2017-11-21 06:12:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 29.952 ms

Loss rate: 1.02%

-- Flow 1:

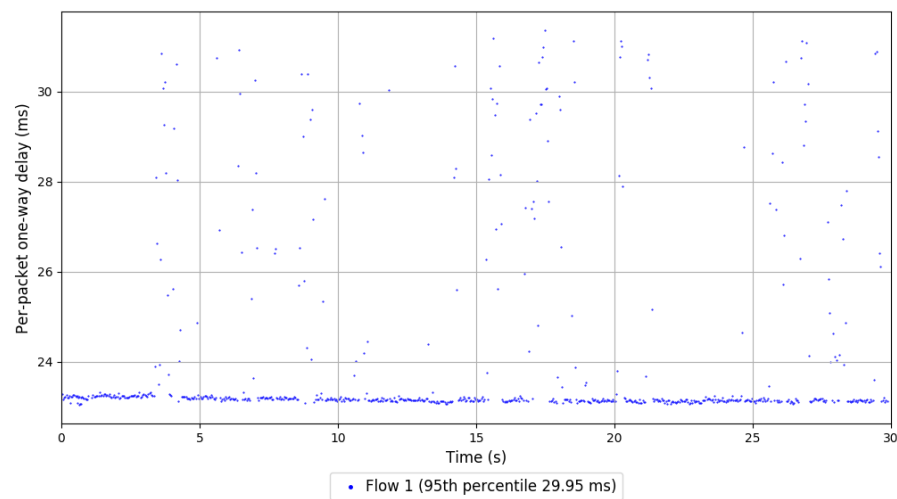
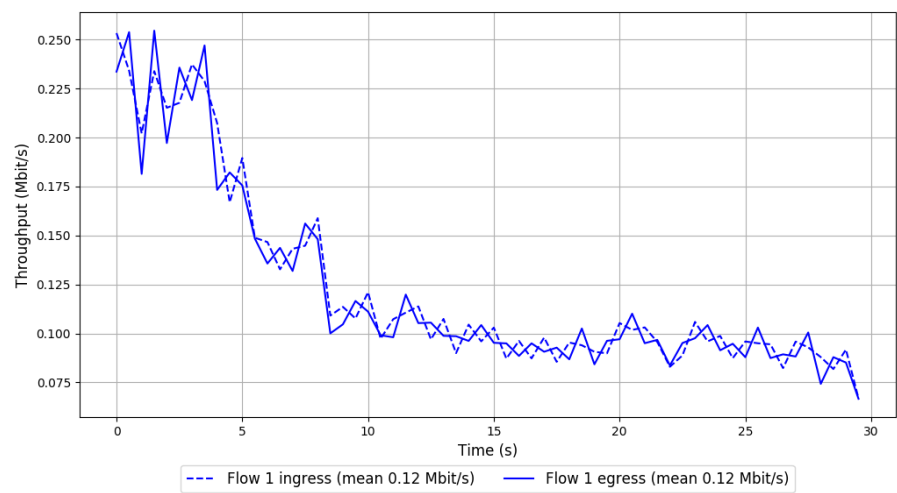
Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 29.952 ms

Loss rate: 1.02%



Run 7: Report of SReAM — Data Link



Run 8: Statistics of SReAM

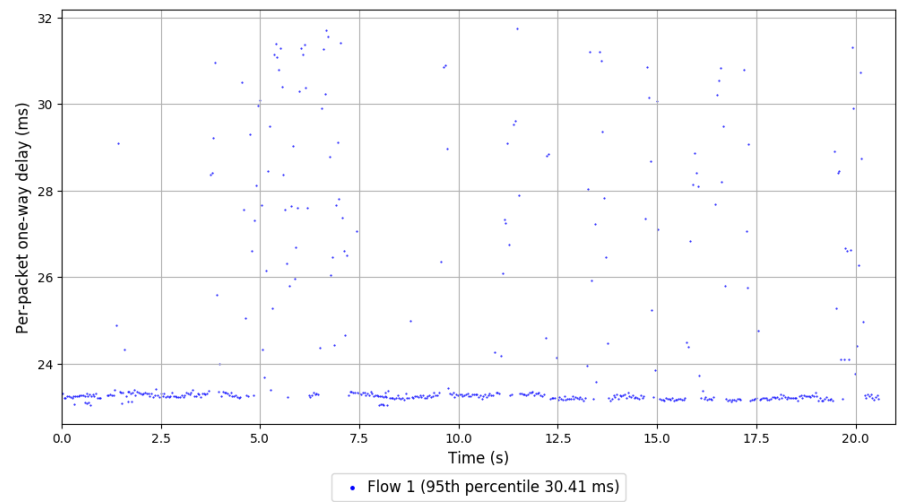
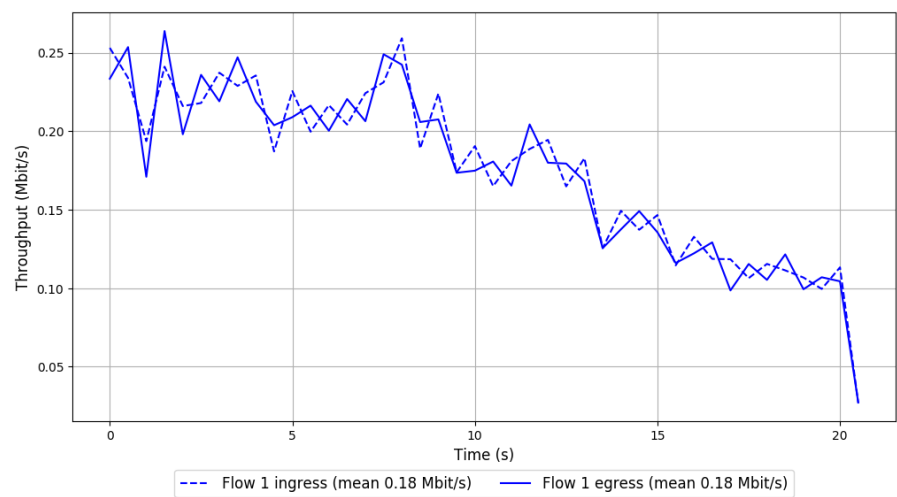
Start at: 2017-11-21 01:52:59

End at: 2017-11-21 01:53:29

Local clock offset: 0.919 ms

Remote clock offset: 0.03 ms

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2017-11-21 02:13:21

End at: 2017-11-21 02:13:51

Local clock offset: 0.922 ms

Remote clock offset: 0.506 ms

# Below is generated by plot.py at 2017-11-21 06:12:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 30.521 ms

Loss rate: 0.28%

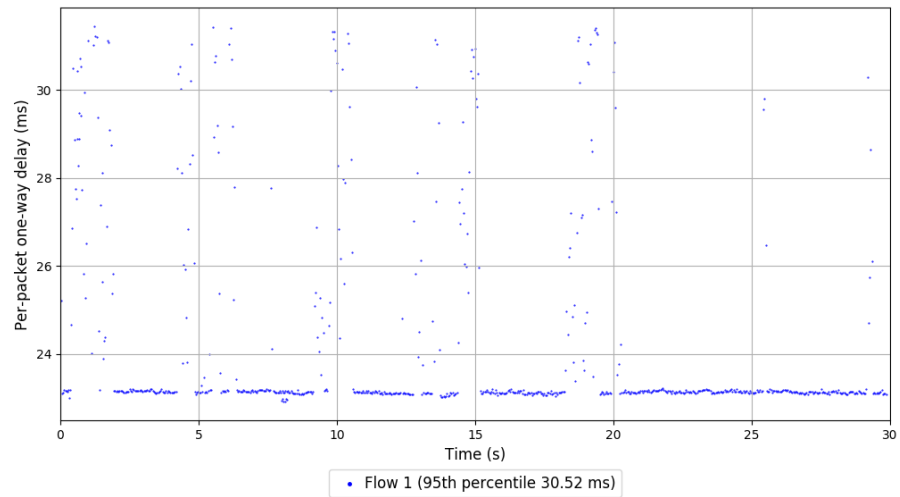
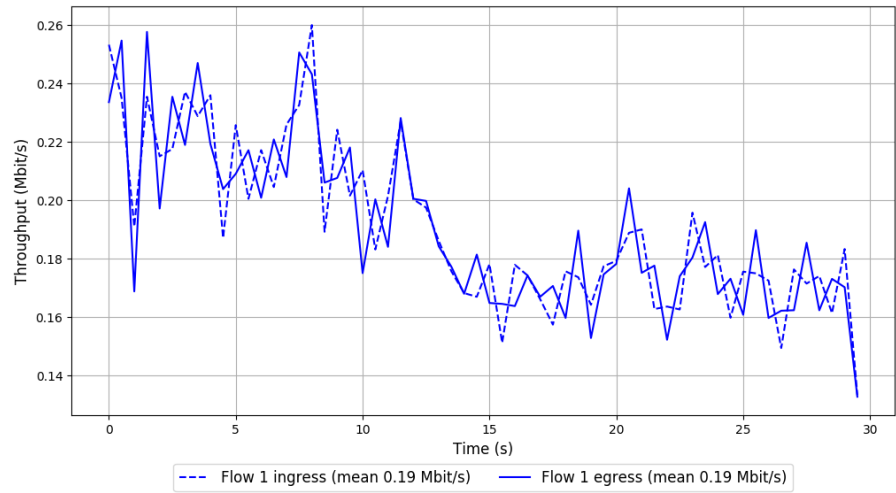
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 30.521 ms

Loss rate: 0.28%

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

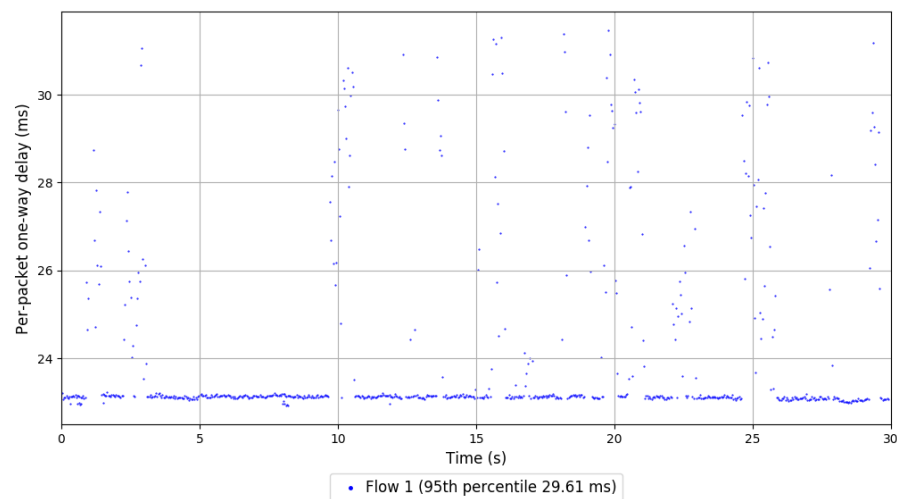
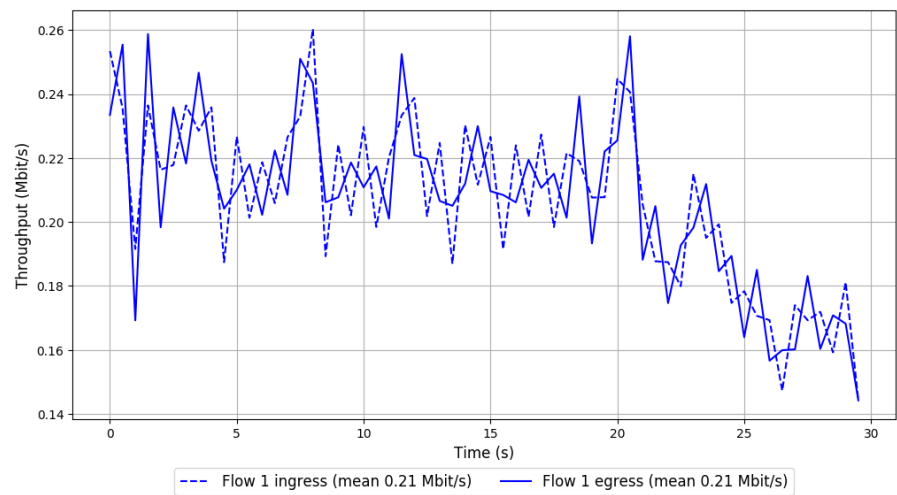


Run 10: Statistics of SCReAM

Start at: 2017-11-21 02:33:10  
End at: 2017-11-21 02:33:40  
Local clock offset: 1.254 ms  
Remote clock offset: -0.146 ms

# Below is generated by plot.py at 2017-11-21 06:12:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 29.606 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 29.606 ms  
Loss rate: 0.12%

Run 10: Report of SCRaM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2017-11-20 23:36:07

End at: 2017-11-20 23:36:37

Local clock offset: 1.3 ms

Remote clock offset: 0.691 ms

# Below is generated by plot.py at 2017-11-21 06:12:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 24.153 ms

Loss rate: 0.41%

-- Flow 1:

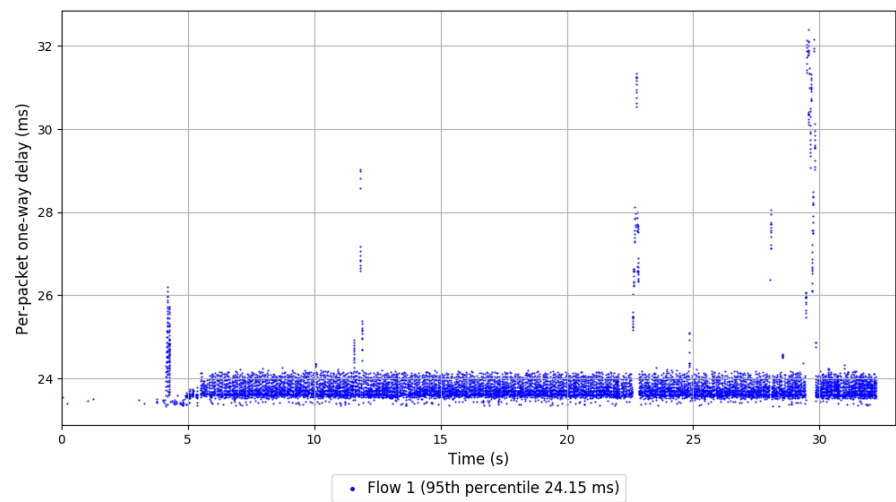
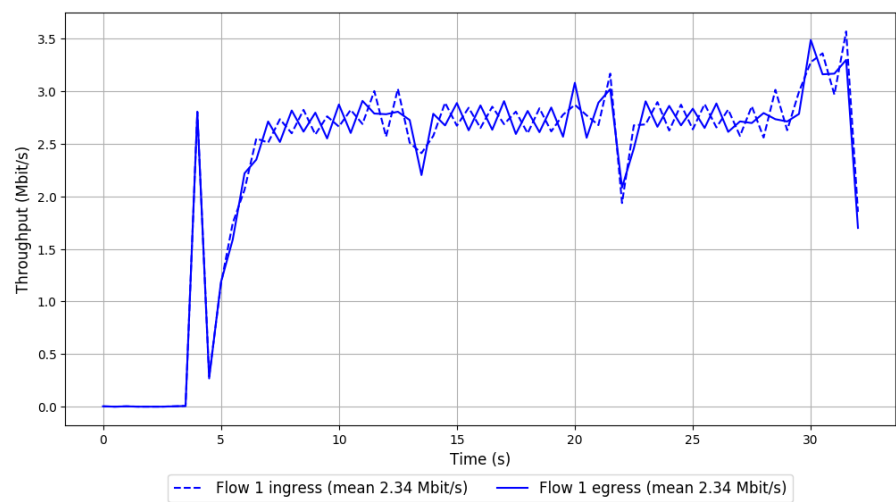
Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 24.153 ms

Loss rate: 0.41%



Run 1: Report of WebRTC media — Data Link

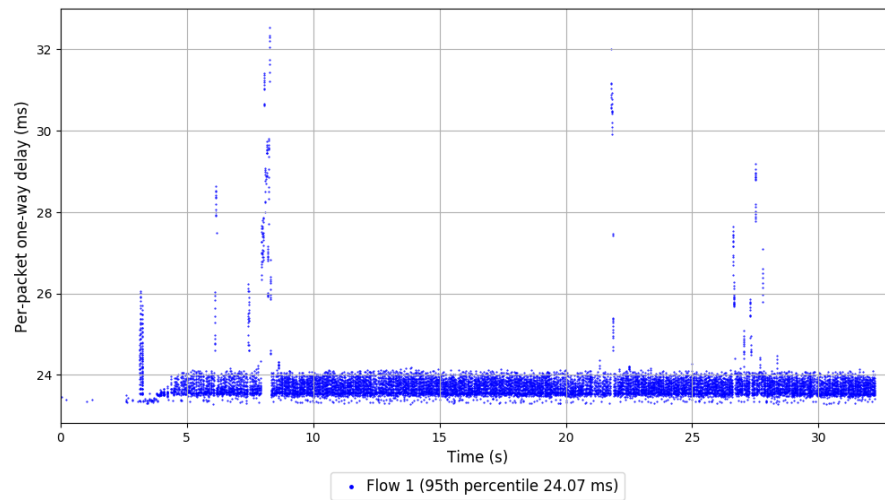
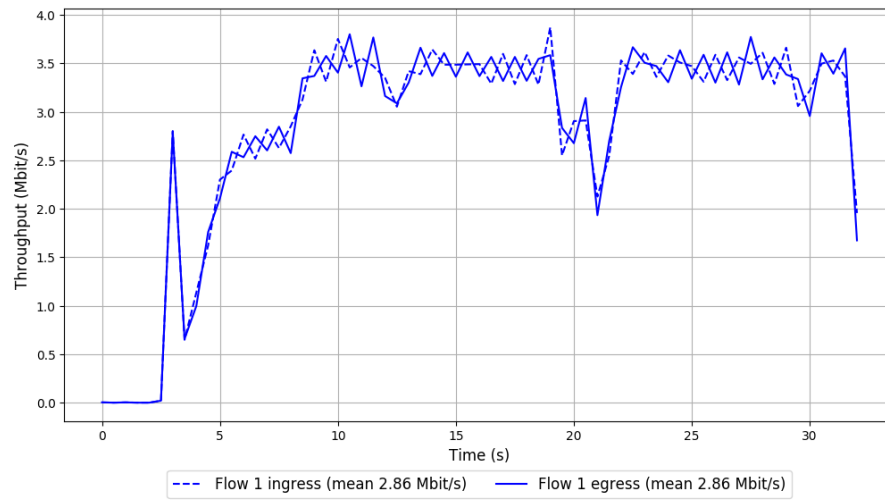


Run 2: Statistics of WebRTC media

Start at: 2017-11-20 23:54:40  
End at: 2017-11-20 23:55:10  
Local clock offset: 1.633 ms  
Remote clock offset: -0.321 ms

# Below is generated by plot.py at 2017-11-21 06:12:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.86 Mbit/s  
95th percentile per-packet one-way delay: 24.072 ms  
Loss rate: 0.20%  
-- Flow 1:  
Average throughput: 2.86 Mbit/s  
95th percentile per-packet one-way delay: 24.072 ms  
Loss rate: 0.20%

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

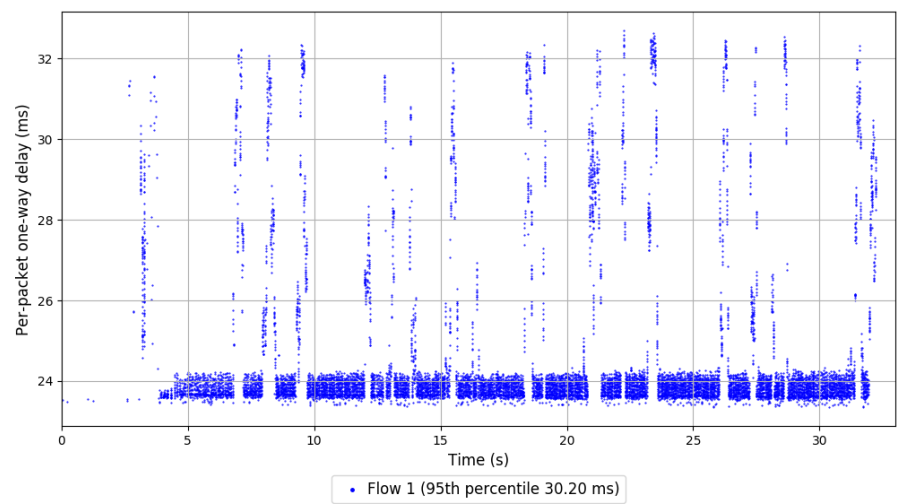
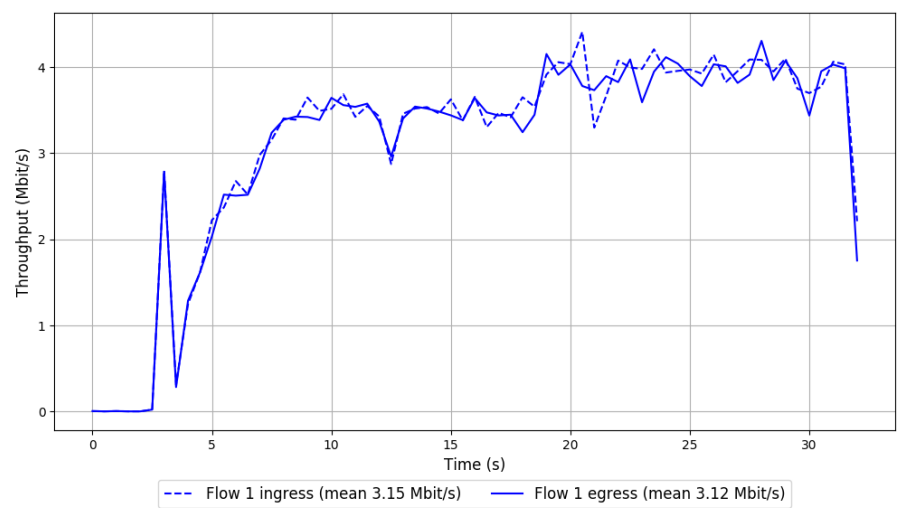


Run 3: Statistics of WebRTC media

Start at: 2017-11-21 00:13:29  
End at: 2017-11-21 00:13:59  
Local clock offset: 2.904 ms  
Remote clock offset: -0.637 ms

# Below is generated by plot.py at 2017-11-21 06:12:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.12 Mbit/s  
95th percentile per-packet one-way delay: 30.205 ms  
Loss rate: 1.11%  
-- Flow 1:  
Average throughput: 3.12 Mbit/s  
95th percentile per-packet one-way delay: 30.205 ms  
Loss rate: 1.11%

Run 3: Report of WebRTC media — Data Link

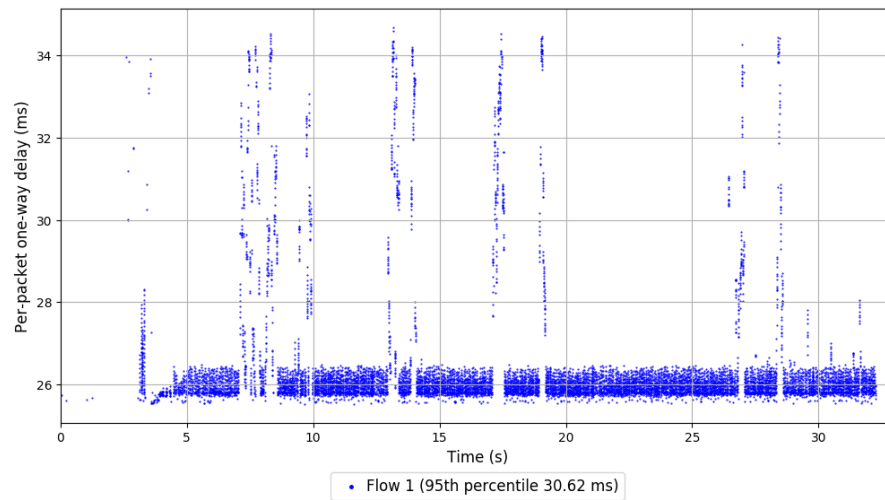
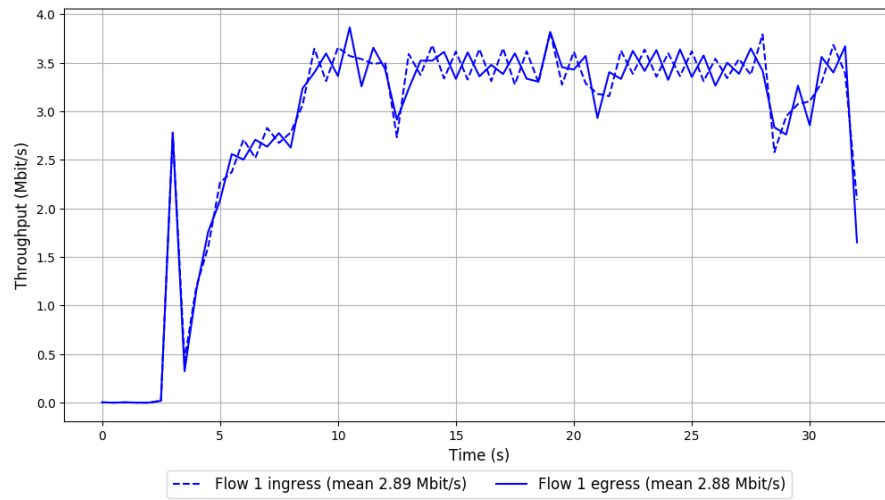


Run 4: Statistics of WebRTC media

Start at: 2017-11-21 00:32:43  
End at: 2017-11-21 00:33:13  
Local clock offset: 3.16 ms  
Remote clock offset: -2.582 ms

# Below is generated by plot.py at 2017-11-21 06:12:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.88 Mbit/s  
95th percentile per-packet one-way delay: 30.620 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 2.88 Mbit/s  
95th percentile per-packet one-way delay: 30.620 ms  
Loss rate: 0.40%

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



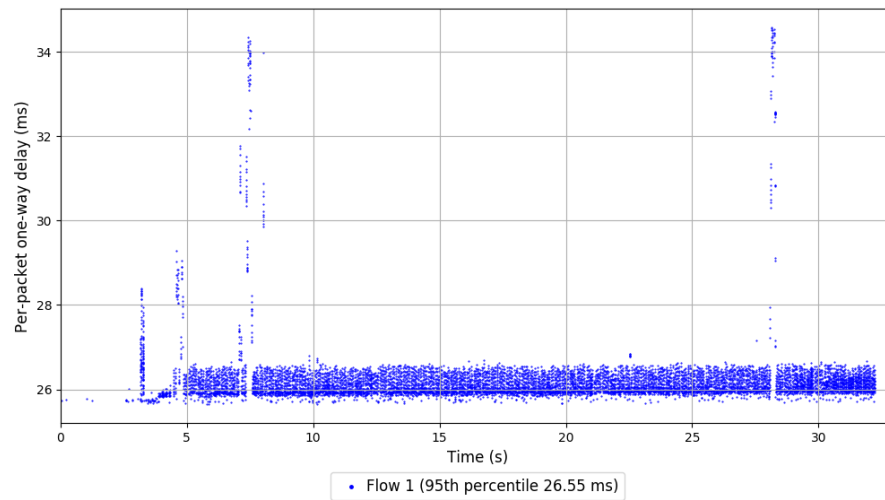
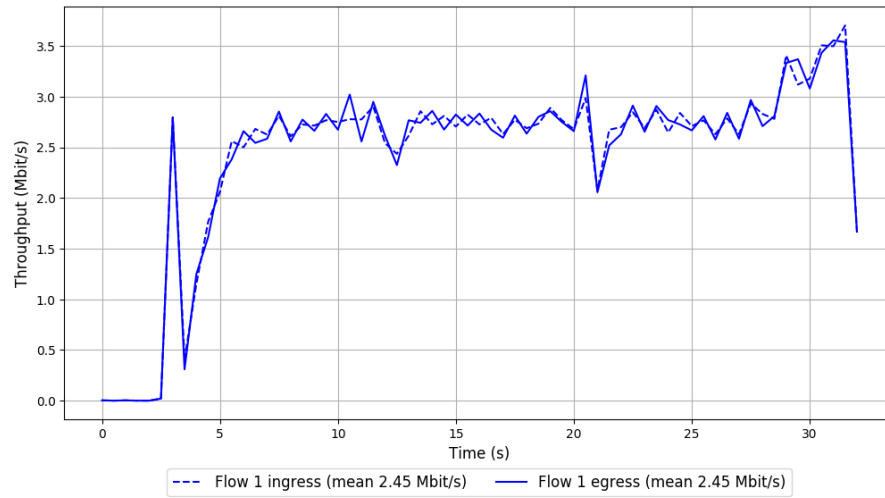
Run 5: Statistics of WebRTC media

Start at: 2017-11-21 00:51:39  
End at: 2017-11-21 00:52:09  
Local clock offset: 3.281 ms  
Remote clock offset: -2.284 ms

# Below is generated by plot.py at 2017-11-21 06:12:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.45 Mbit/s  
95th percentile per-packet one-way delay: 26.548 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 2.45 Mbit/s  
95th percentile per-packet one-way delay: 26.548 ms  
Loss rate: 0.23%



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



Run 6: Statistics of WebRTC media

Start at: 2017-11-21 01:10:23

End at: 2017-11-21 01:10:53

Local clock offset: 2.224 ms

Remote clock offset: -2.06 ms

# Below is generated by plot.py at 2017-11-21 06:12:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.83 Mbit/s

95th percentile per-packet one-way delay: 31.504 ms

Loss rate: 0.36%

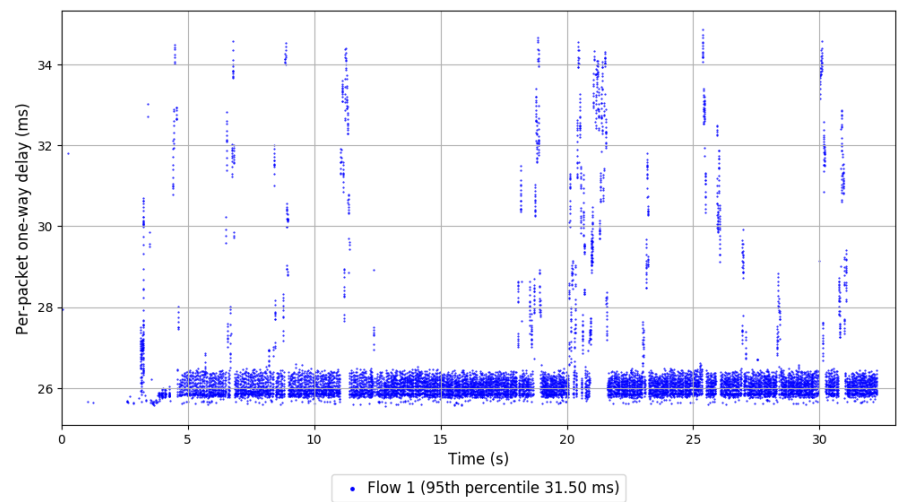
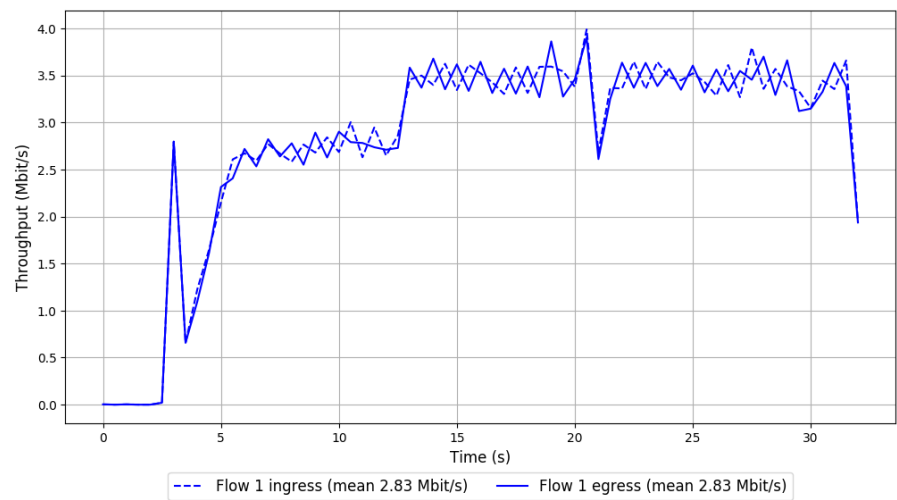
-- Flow 1:

Average throughput: 2.83 Mbit/s

95th percentile per-packet one-way delay: 31.504 ms

Loss rate: 0.36%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2017-11-21 01:29:57

End at: 2017-11-21 01:30:27

Local clock offset: 1.873 ms

Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2017-11-21 06:12:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.12 Mbit/s

95th percentile per-packet one-way delay: 30.578 ms

Loss rate: 0.74%

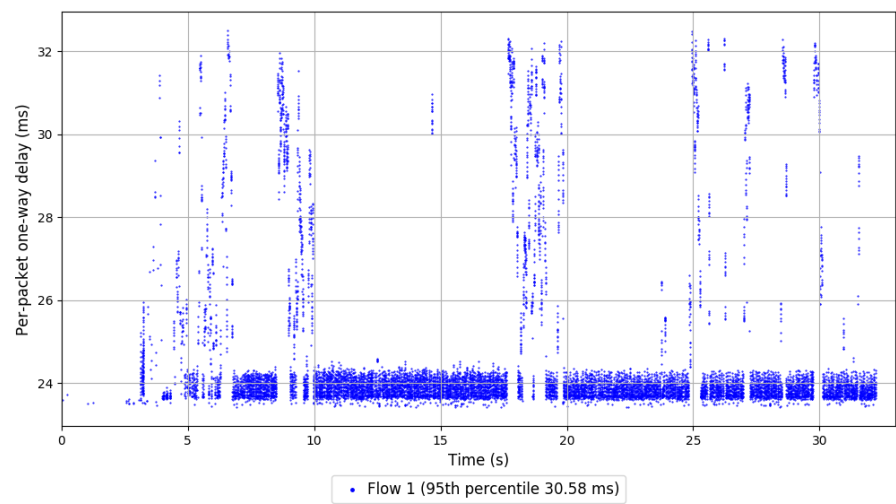
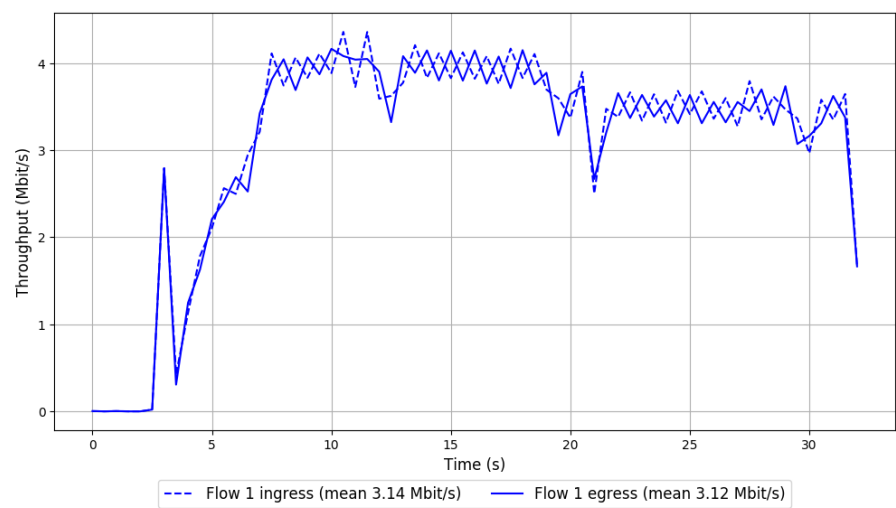
-- Flow 1:

Average throughput: 3.12 Mbit/s

95th percentile per-packet one-way delay: 30.578 ms

Loss rate: 0.74%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

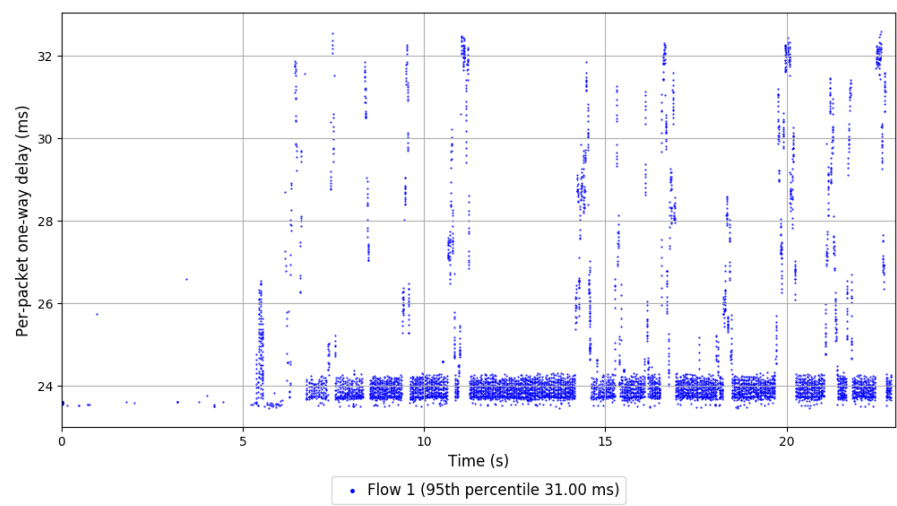
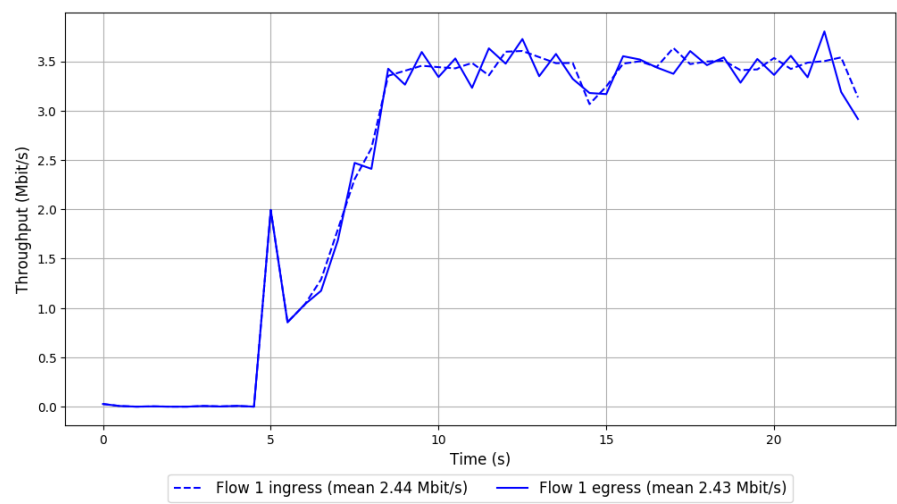
Start at: 2017-11-21 01:50:05

End at: 2017-11-21 01:50:35

Local clock offset: 0.838 ms

Remote clock offset: -0.494 ms

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2017-11-21 02:10:33

End at: 2017-11-21 02:11:03

Local clock offset: 0.916 ms

Remote clock offset: 0.341 ms

# Below is generated by plot.py at 2017-11-21 06:12:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.46 Mbit/s

95th percentile per-packet one-way delay: 31.226 ms

Loss rate: 1.45%

-- Flow 1:

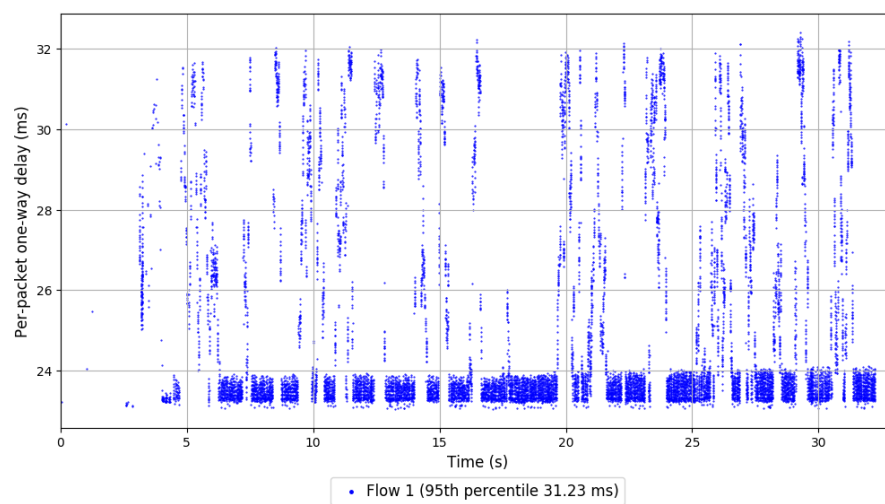
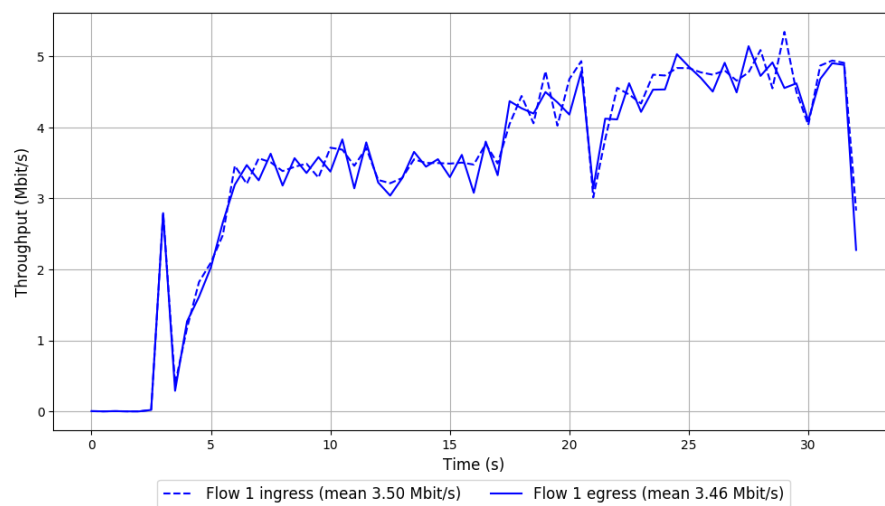
Average throughput: 3.46 Mbit/s

95th percentile per-packet one-way delay: 31.226 ms

Loss rate: 1.45%



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



Run 10: Statistics of WebRTC media

Start at: 2017-11-21 02:30:18

End at: 2017-11-21 02:30:48

Local clock offset: 1.141 ms

Remote clock offset: -0.42 ms

# Below is generated by plot.py at 2017-11-21 06:12:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 31.888 ms

Loss rate: 3.52%

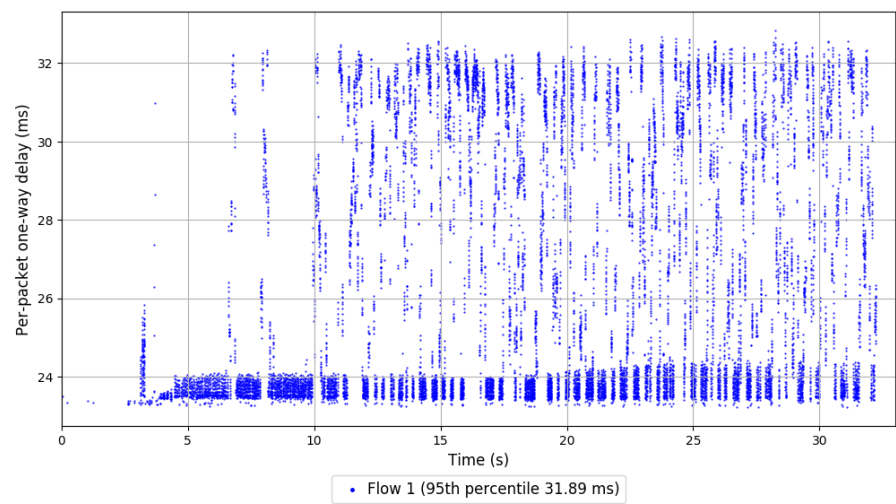
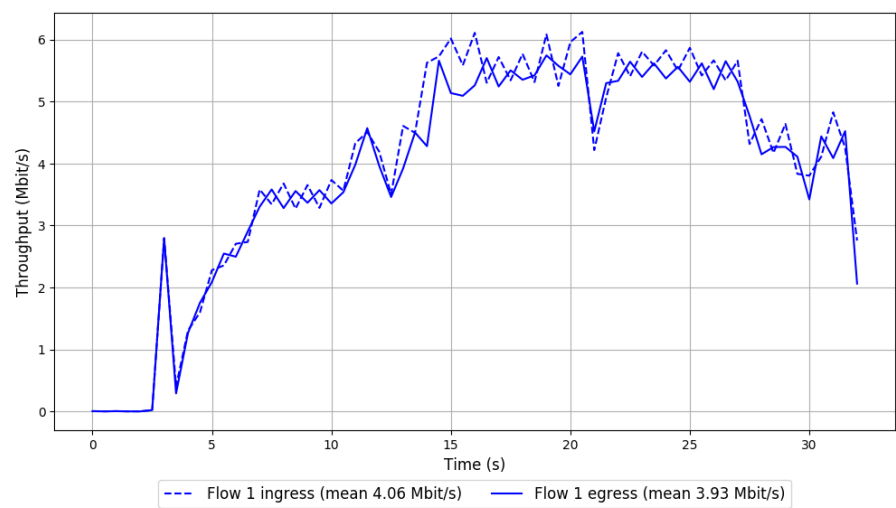
-- Flow 1:

Average throughput: 3.93 Mbit/s

95th percentile per-packet one-way delay: 31.888 ms

Loss rate: 3.52%

Run 10: Report of WebRTC media — Data Link



Run 1: Statistics of Sprout

Start at: 2017-11-20 23:34:51

End at: 2017-11-20 23:35:21

Local clock offset: 1.35 ms

Remote clock offset: 1.087 ms

# Below is generated by plot.py at 2017-11-21 06:12:51

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.95 Mbit/s

95th percentile per-packet one-way delay: 26.660 ms

Loss rate: 0.20%

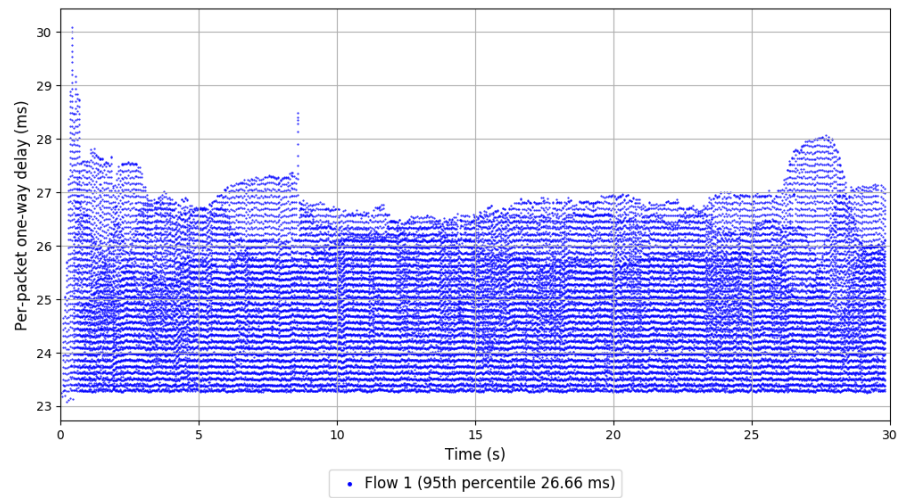
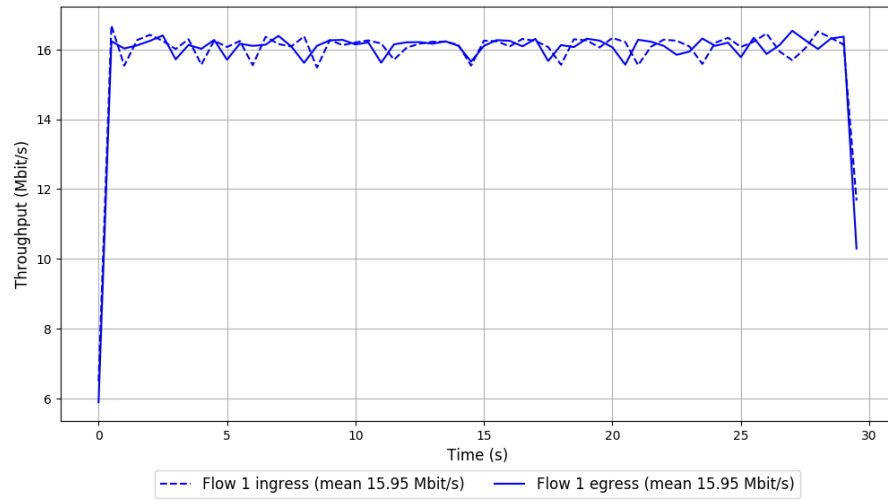
-- Flow 1:

Average throughput: 15.95 Mbit/s

95th percentile per-packet one-way delay: 26.660 ms

Loss rate: 0.20%

# Run 1: Report of Sprout — Data Link

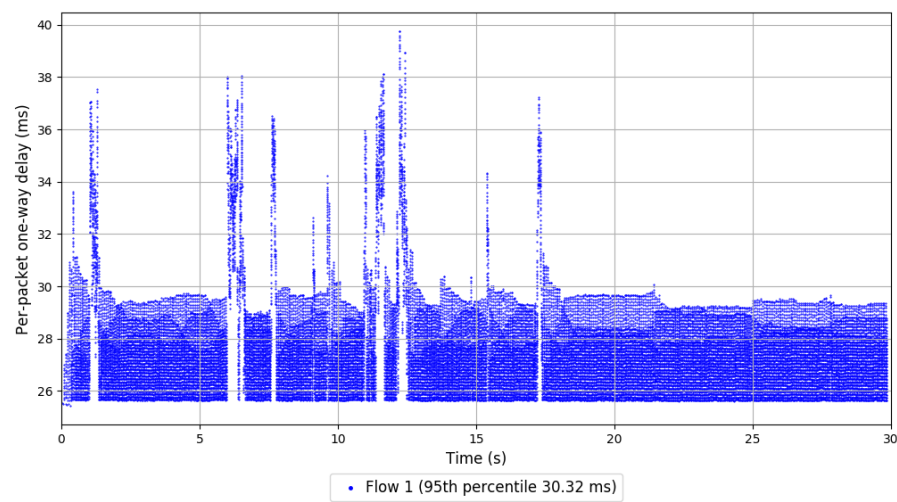
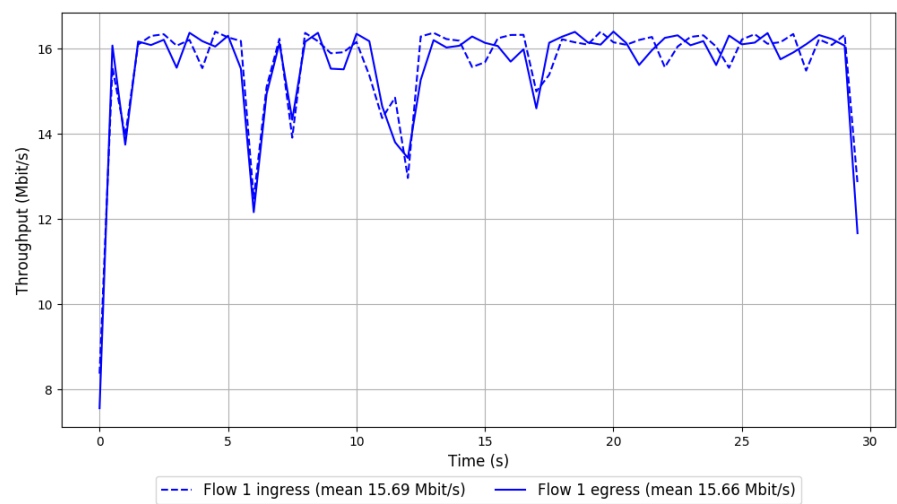


Run 2: Statistics of Sprout

Start at: 2017-11-20 23:53:24  
End at: 2017-11-20 23:53:54  
Local clock offset: 1.671 ms  
Remote clock offset: -2.346 ms

# Below is generated by plot.py at 2017-11-21 06:12:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 15.66 Mbit/s  
95th percentile per-packet one-way delay: 30.322 ms  
Loss rate: 0.41%  
-- Flow 1:  
Average throughput: 15.66 Mbit/s  
95th percentile per-packet one-way delay: 30.322 ms  
Loss rate: 0.41%

Run 2: Report of Sprout — Data Link



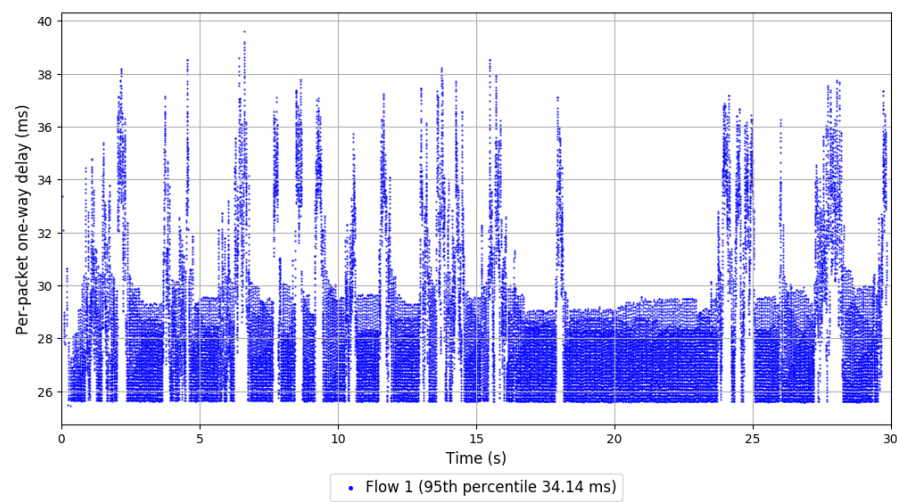
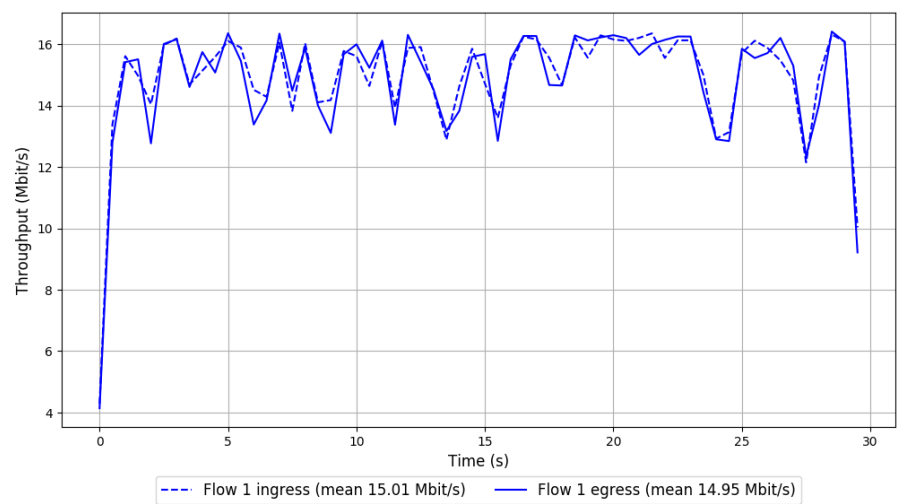
Run 3: Statistics of Sprout

Start at: 2017-11-21 00:12:10  
End at: 2017-11-21 00:12:40  
Local clock offset: 2.73 ms  
Remote clock offset: -2.678 ms

# Below is generated by plot.py at 2017-11-21 06:12:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 14.95 Mbit/s  
95th percentile per-packet one-way delay: 34.138 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 14.95 Mbit/s  
95th percentile per-packet one-way delay: 34.138 ms  
Loss rate: 0.58%



Run 3: Report of Sprout — Data Link

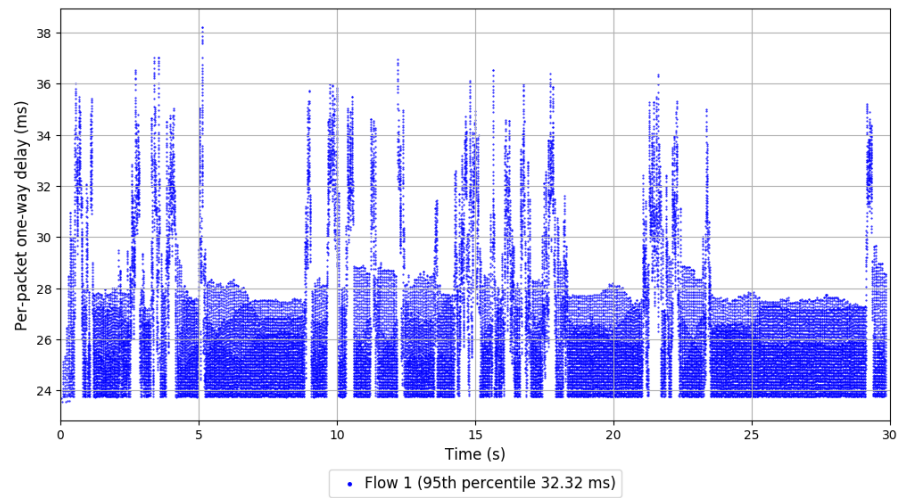
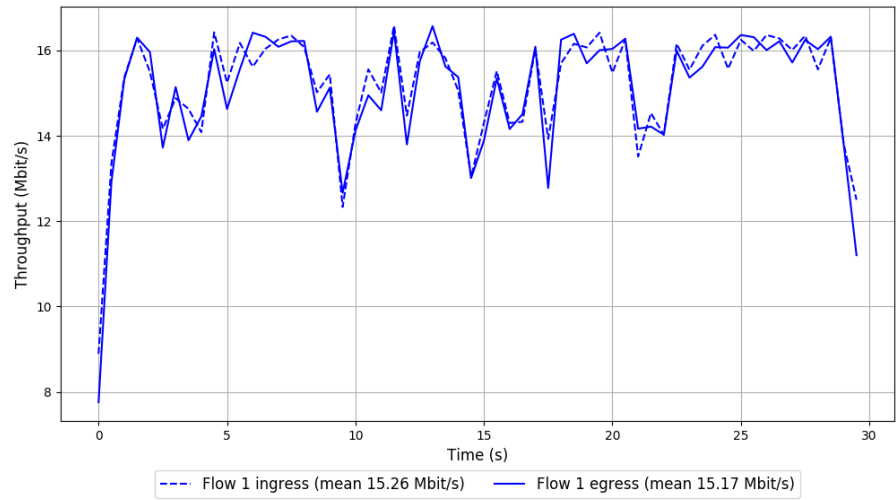


Run 4: Statistics of Sprout

Start at: 2017-11-21 00:31:26  
End at: 2017-11-21 00:31:56  
Local clock offset: 3.275 ms  
Remote clock offset: -0.464 ms

# Below is generated by plot.py at 2017-11-21 06:12:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 15.17 Mbit/s  
95th percentile per-packet one-way delay: 32.321 ms  
Loss rate: 0.78%  
-- Flow 1:  
Average throughput: 15.17 Mbit/s  
95th percentile per-packet one-way delay: 32.321 ms  
Loss rate: 0.78%

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



Run 5: Statistics of Sprout

Start at: 2017-11-21 00:50:22

End at: 2017-11-21 00:50:52

Local clock offset: 3.457 ms

Remote clock offset: -2.22 ms

# Below is generated by plot.py at 2017-11-21 06:12:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.70 Mbit/s

95th percentile per-packet one-way delay: 30.605 ms

Loss rate: 0.35%

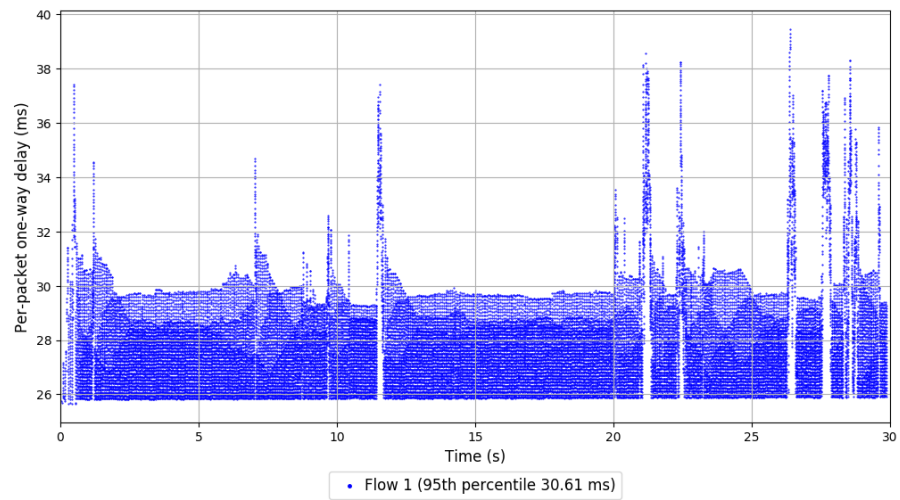
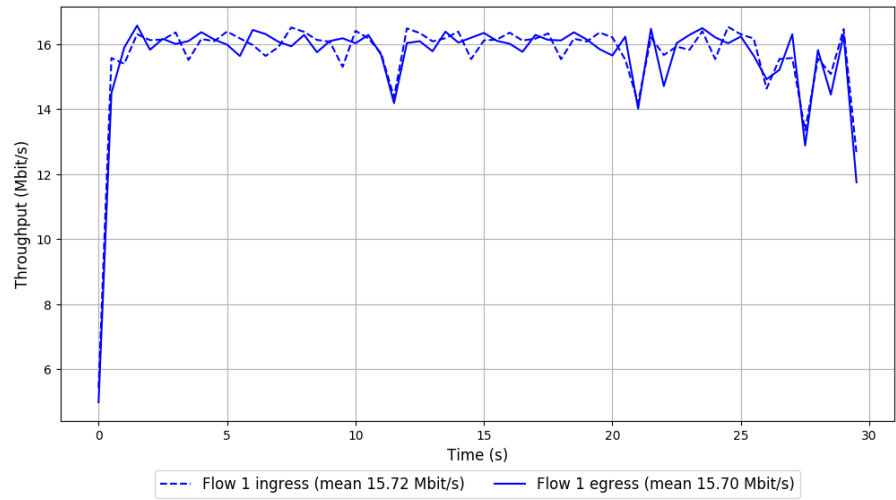
-- Flow 1:

Average throughput: 15.70 Mbit/s

95th percentile per-packet one-way delay: 30.605 ms

Loss rate: 0.35%

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

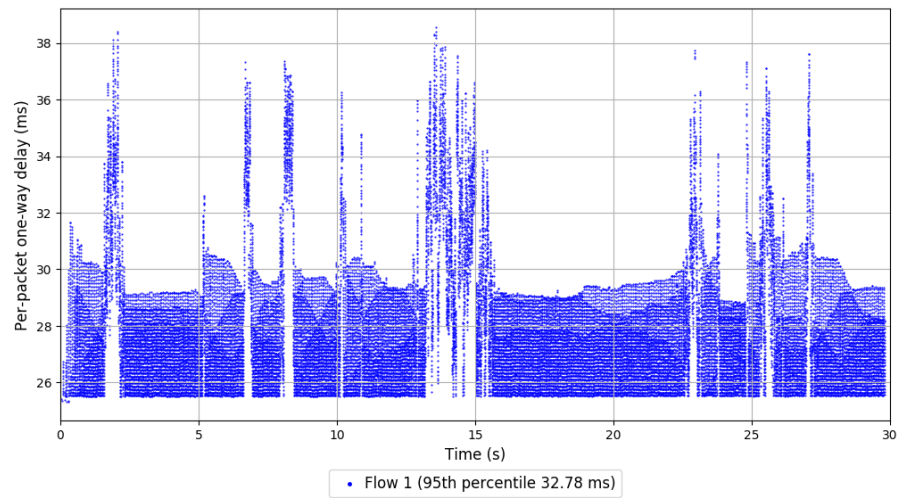
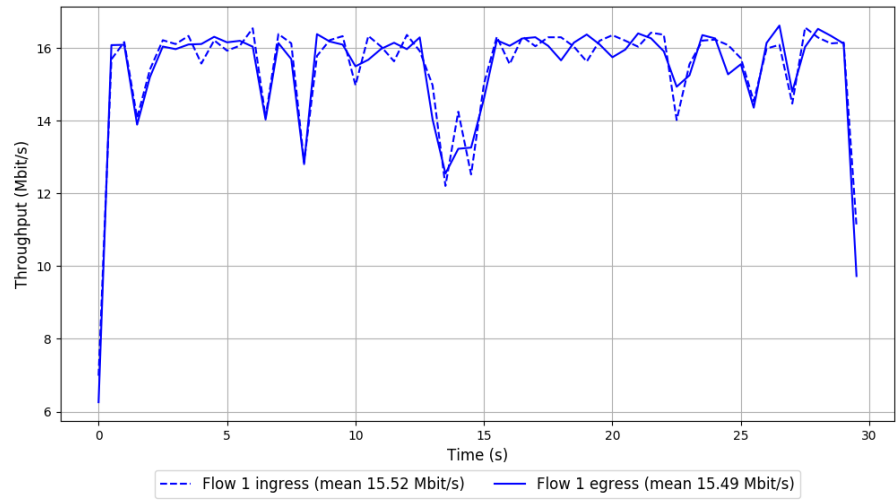


Run 6: Statistics of Sprout

Start at: 2017-11-21 01:09:06  
End at: 2017-11-21 01:09:36  
Local clock offset: 2.136 ms  
Remote clock offset: -1.879 ms

# Below is generated by plot.py at 2017-11-21 06:12:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 15.49 Mbit/s  
95th percentile per-packet one-way delay: 32.781 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 15.49 Mbit/s  
95th percentile per-packet one-way delay: 32.781 ms  
Loss rate: 0.40%

## Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: 2017-11-21 01:28:40

End at: 2017-11-21 01:29:10

Local clock offset: 1.964 ms

Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2017-11-21 06:12:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 14.78 Mbit/s

95th percentile per-packet one-way delay: 32.544 ms

Loss rate: 1.05%

-- Flow 1:

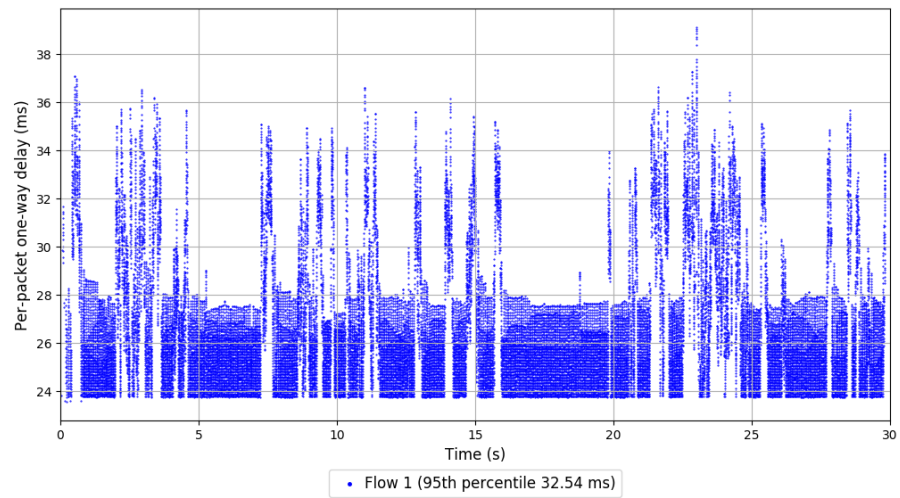
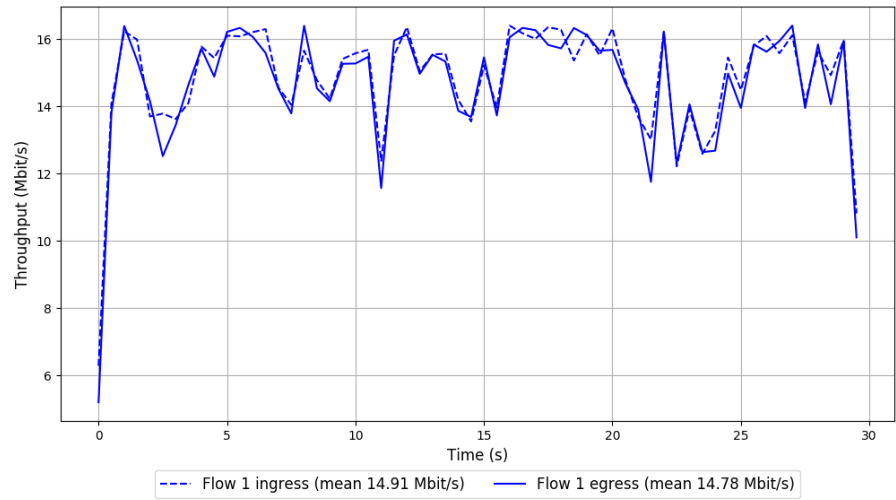
Average throughput: 14.78 Mbit/s

95th percentile per-packet one-way delay: 32.544 ms

Loss rate: 1.05%



### Run 7: Report of Sprout — Data Link

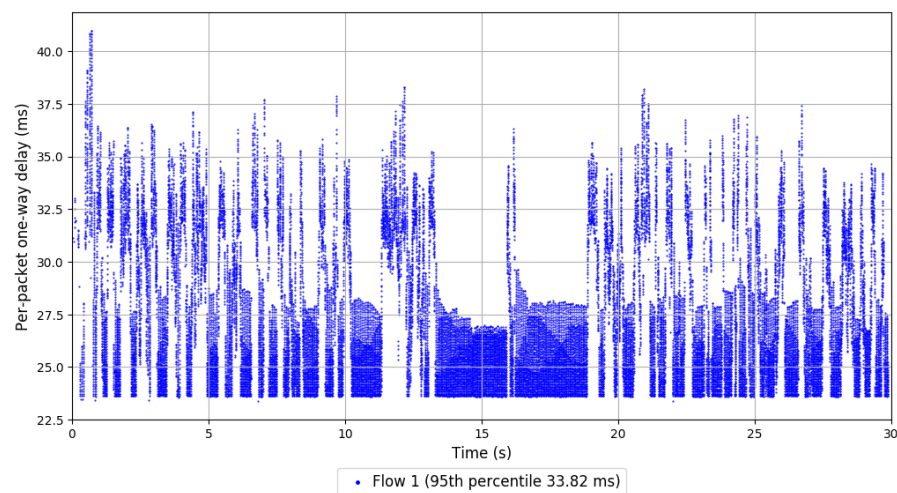
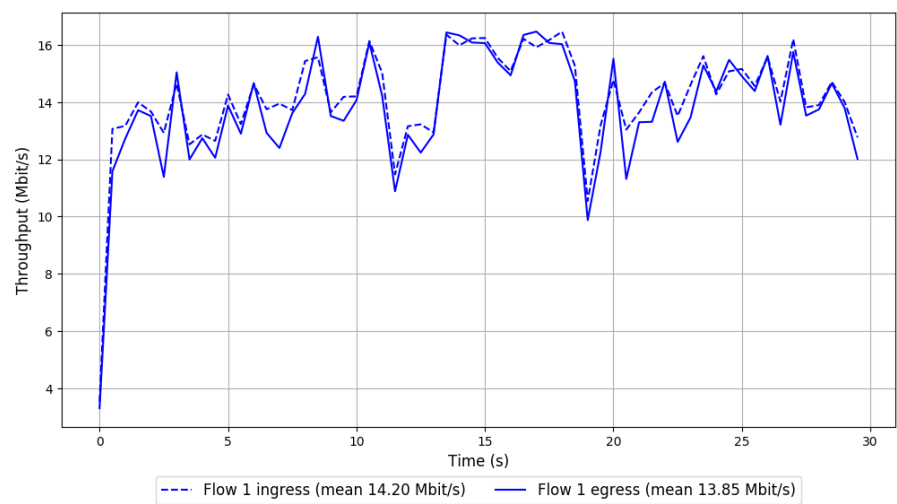


Run 8: Statistics of Sprout

Start at: 2017-11-21 01:48:48  
End at: 2017-11-21 01:49:18  
Local clock offset: 0.931 ms  
Remote clock offset: -0.306 ms

# Below is generated by plot.py at 2017-11-21 06:12:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.85 Mbit/s  
95th percentile per-packet one-way delay: 33.818 ms  
Loss rate: 2.59%  
-- Flow 1:  
Average throughput: 13.85 Mbit/s  
95th percentile per-packet one-way delay: 33.818 ms  
Loss rate: 2.59%

Run 8: Report of Sprout — Data Link

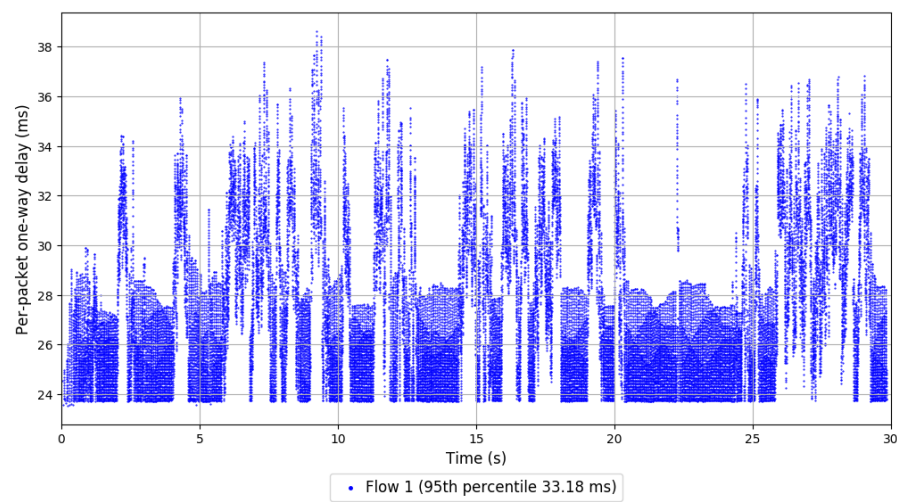
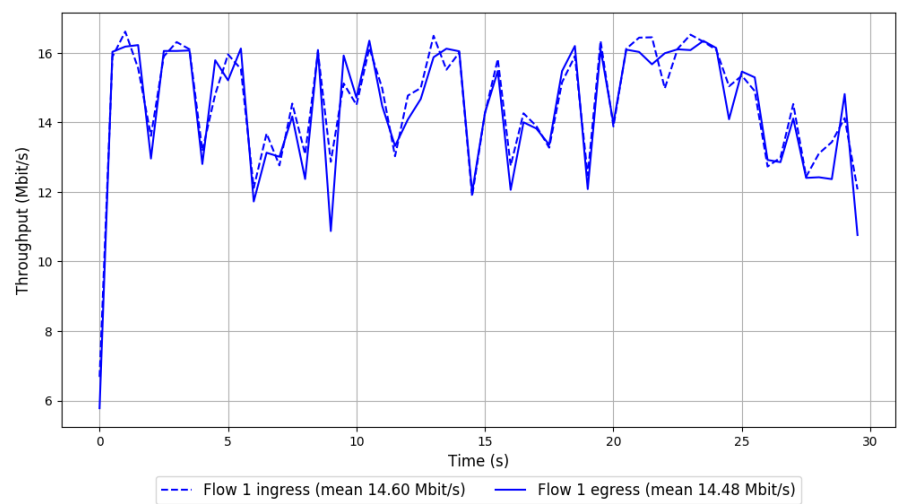


Run 9: Statistics of Sprout

Start at: 2017-11-21 02:09:14  
End at: 2017-11-21 02:09:44  
Local clock offset: 0.906 ms  
Remote clock offset: -0.122 ms

# Below is generated by plot.py at 2017-11-21 06:13:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 14.48 Mbit/s  
95th percentile per-packet one-way delay: 33.176 ms  
Loss rate: 1.08%  
-- Flow 1:  
Average throughput: 14.48 Mbit/s  
95th percentile per-packet one-way delay: 33.176 ms  
Loss rate: 1.08%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: 2017-11-21 02:28:58

End at: 2017-11-21 02:29:28

Local clock offset: 1.196 ms

Remote clock offset: -0.31 ms

# Below is generated by plot.py at 2017-11-21 06:13:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.08 Mbit/s

95th percentile per-packet one-way delay: 31.906 ms

Loss rate: 0.77%

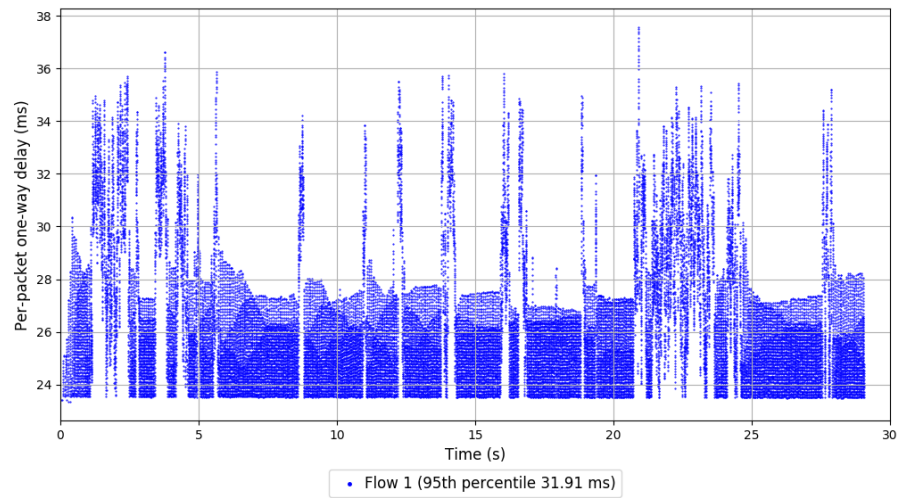
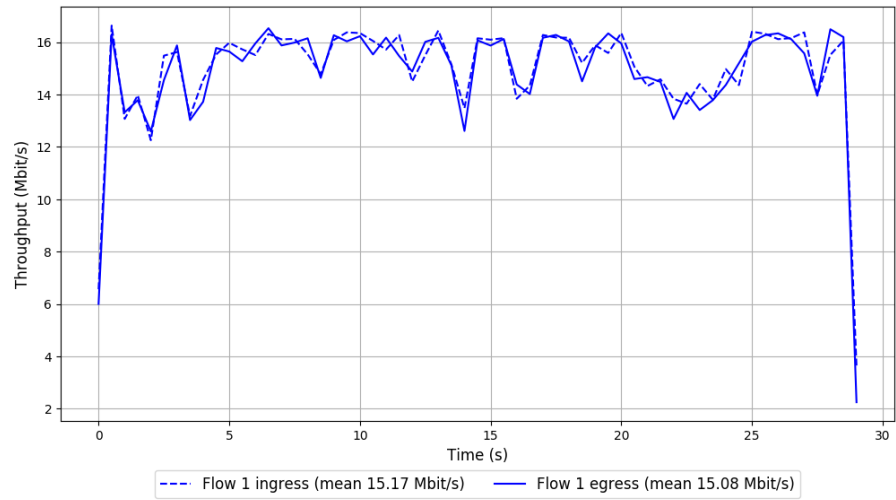
-- Flow 1:

Average throughput: 15.08 Mbit/s

95th percentile per-packet one-way delay: 31.906 ms

Loss rate: 0.77%

# Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2017-11-20 23:41:20

End at: 2017-11-20 23:41:50

Local clock offset: 1.227 ms

Remote clock offset: -1.919 ms

# Below is generated by plot.py at 2017-11-21 06:14:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.49 Mbit/s

95th percentile per-packet one-way delay: 37.051 ms

Loss rate: 0.60%

-- Flow 1:

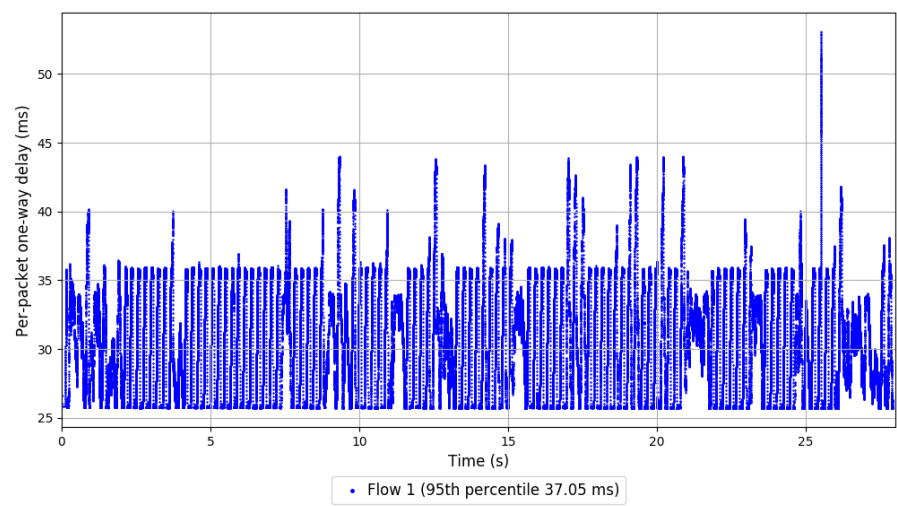
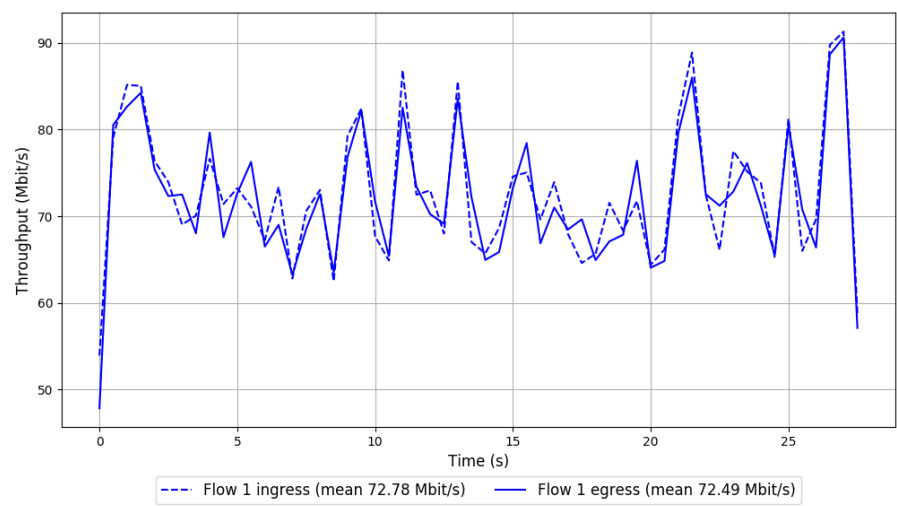
Average throughput: 72.49 Mbit/s

95th percentile per-packet one-way delay: 37.051 ms

Loss rate: 0.60%



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



Run 2: Statistics of TaoVA-100x

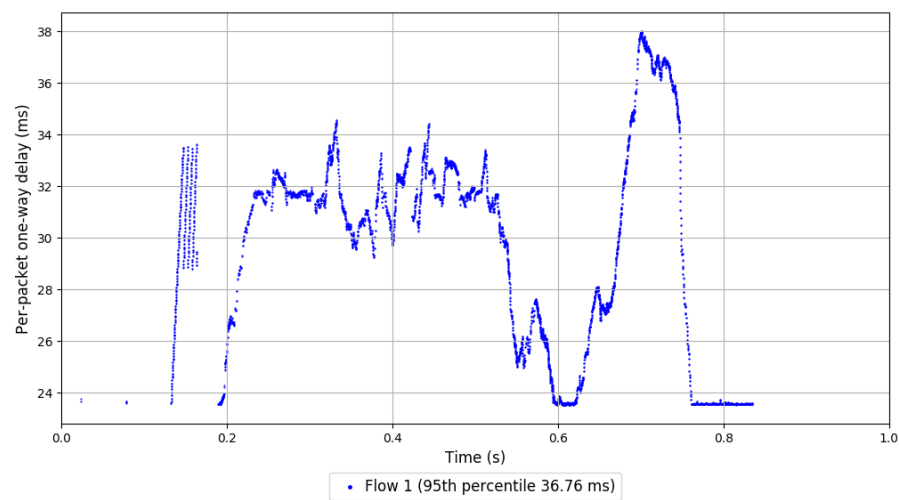
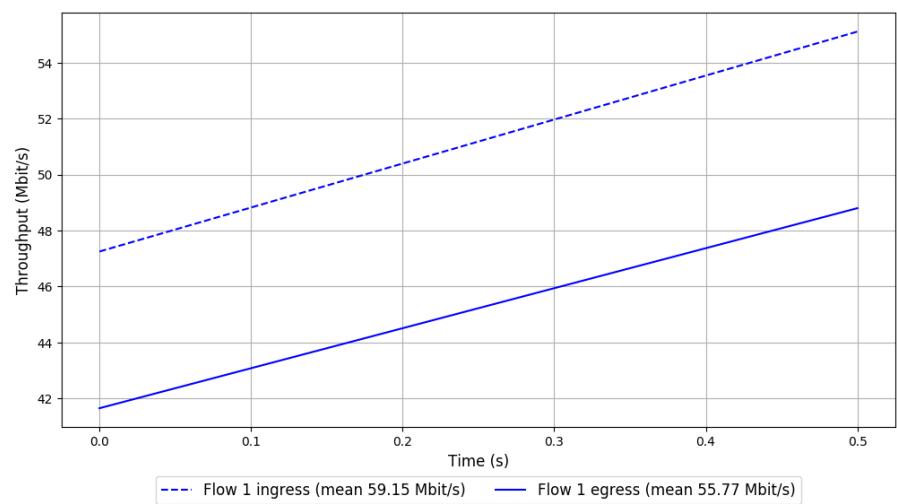
Start at: 2017-11-20 23:59:54

End at: 2017-11-21 00:00:24

Local clock offset: 1.957 ms

Remote clock offset: -0.378 ms

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



Run 3: Statistics of TaoVA-100x

Start at: 2017-11-21 00:19:00

End at: 2017-11-21 00:19:30

Local clock offset: 3.439 ms

Remote clock offset: -0.174 ms

# Below is generated by plot.py at 2017-11-21 06:14:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.63 Mbit/s

95th percentile per-packet one-way delay: 33.640 ms

Loss rate: 1.11%

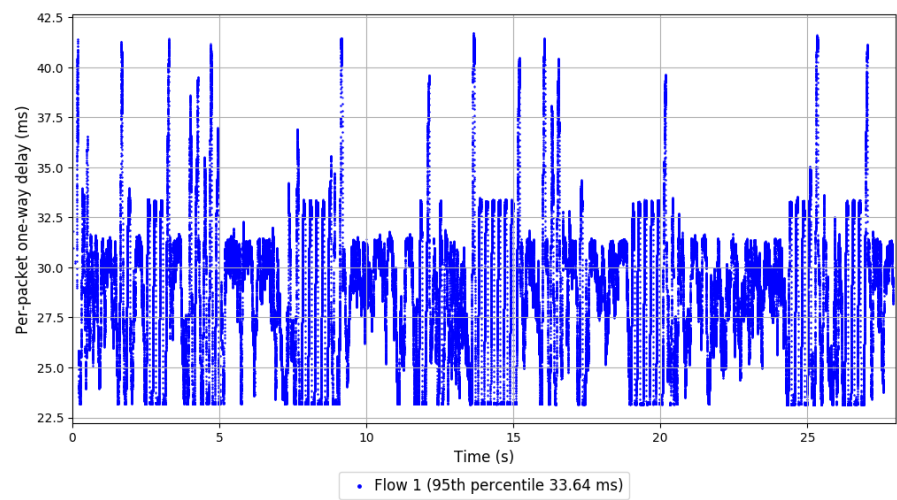
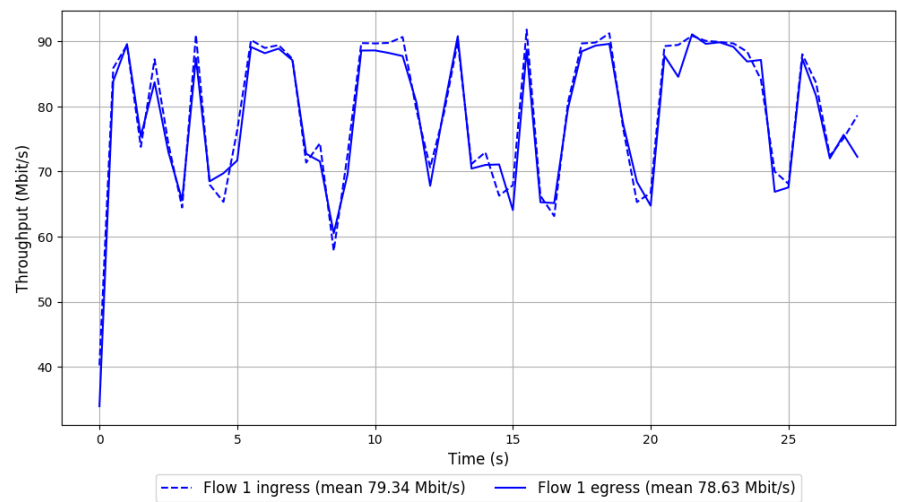
-- Flow 1:

Average throughput: 78.63 Mbit/s

95th percentile per-packet one-way delay: 33.640 ms

Loss rate: 1.11%

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



Run 4: Statistics of TaoVA-100x

Start at: 2017-11-21 00:38:02

End at: 2017-11-21 00:38:32

Local clock offset: 3.224 ms

Remote clock offset: 0.092 ms

# Below is generated by plot.py at 2017-11-21 06:14:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.72 Mbit/s

95th percentile per-packet one-way delay: 34.011 ms

Loss rate: 0.67%

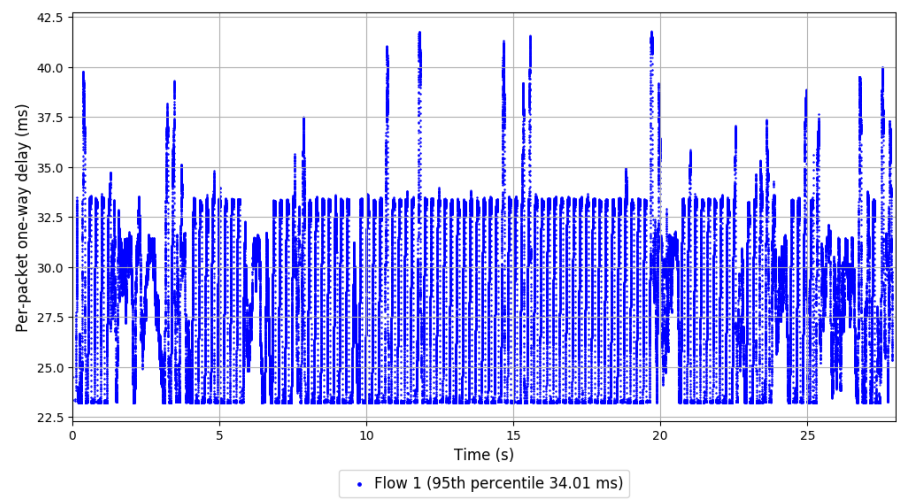
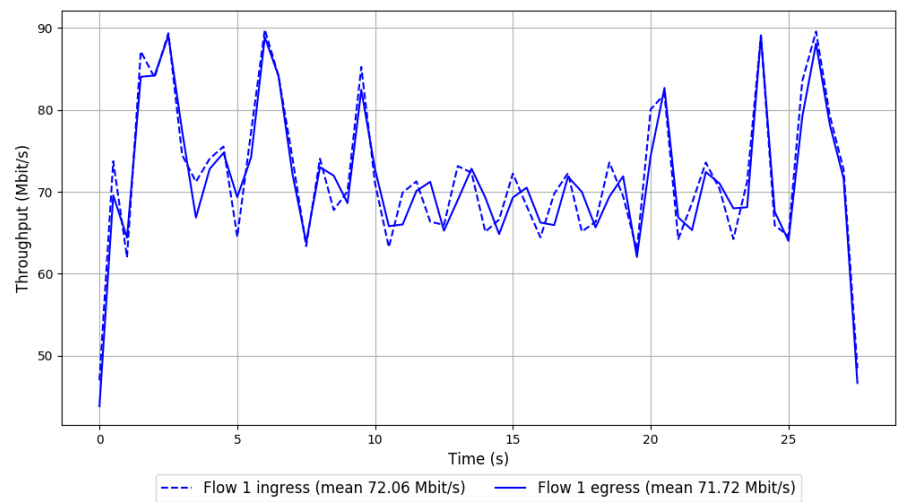
-- Flow 1:

Average throughput: 71.72 Mbit/s

95th percentile per-packet one-way delay: 34.011 ms

Loss rate: 0.67%

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



Run 5: Statistics of TaoVA-100x

Start at: 2017-11-21 00:56:58

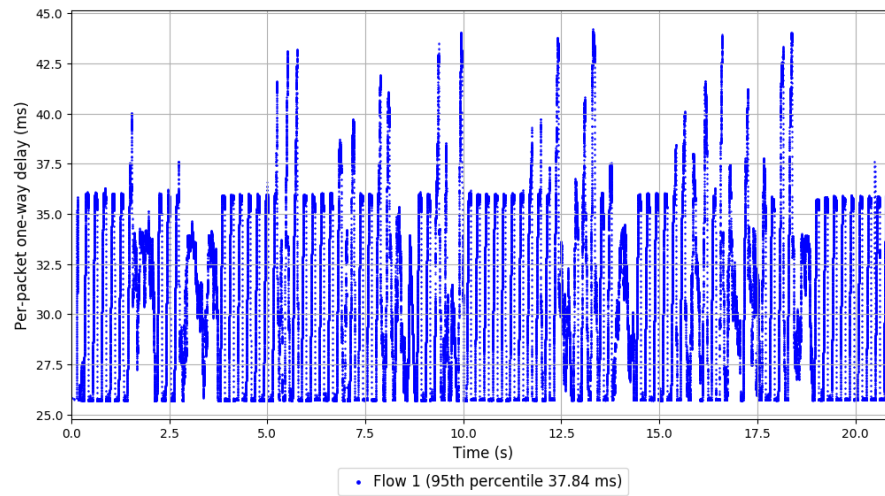
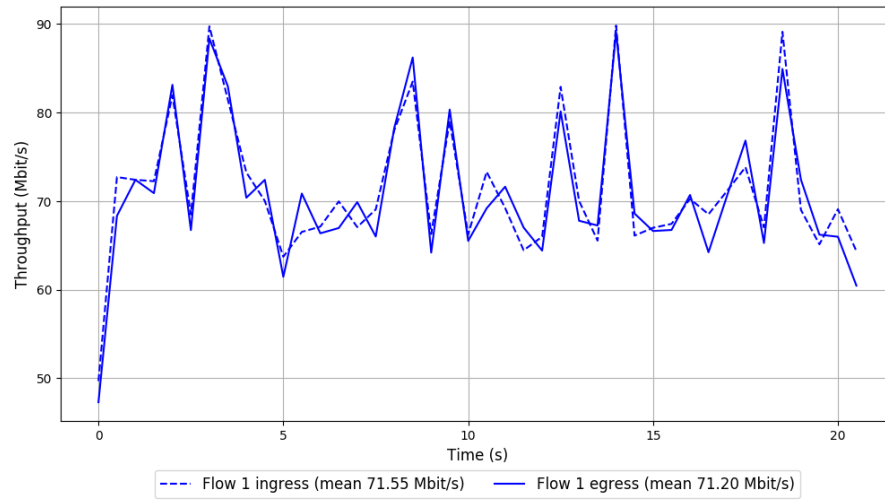
End at: 2017-11-21 00:57:28

Local clock offset: 2.605 ms

Remote clock offset: -2.177 ms



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



Run 6: Statistics of TaoVA-100x

Start at: 2017-11-21 01:15:51

End at: 2017-11-21 01:16:21

Local clock offset: 2.274 ms

Remote clock offset: 0.733 ms

# Below is generated by plot.py at 2017-11-21 06:14:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.50 Mbit/s

95th percentile per-packet one-way delay: 34.160 ms

Loss rate: 1.70%

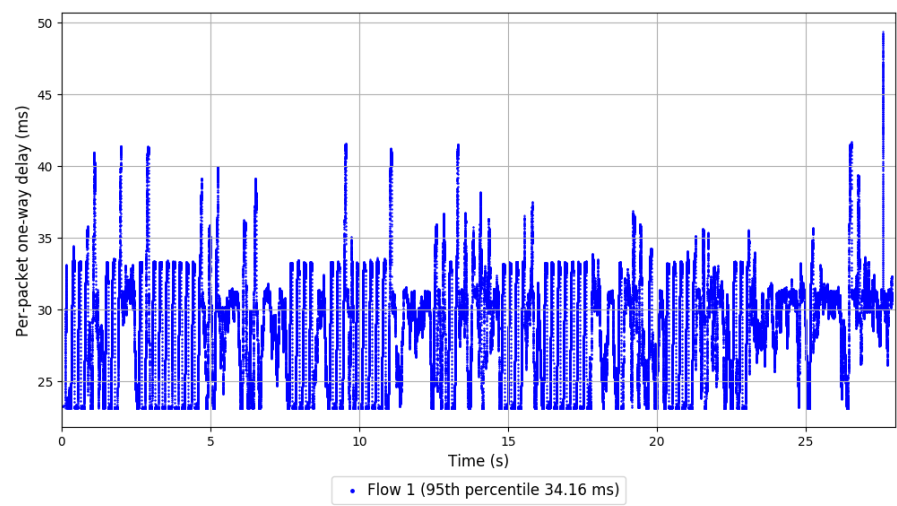
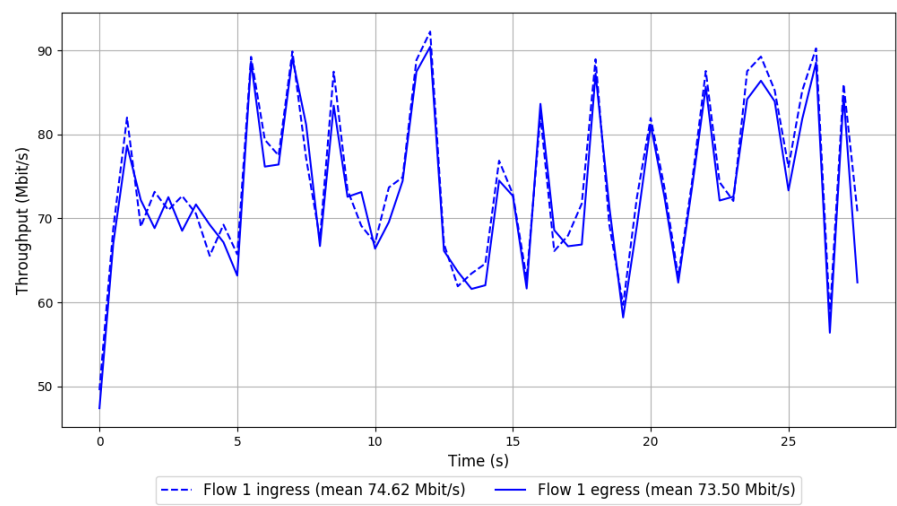
-- Flow 1:

Average throughput: 73.50 Mbit/s

95th percentile per-packet one-way delay: 34.160 ms

Loss rate: 1.70%

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

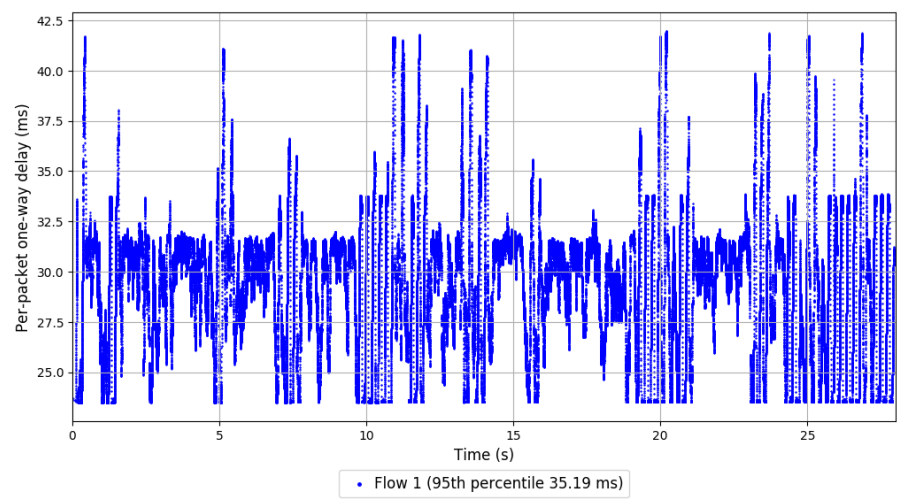
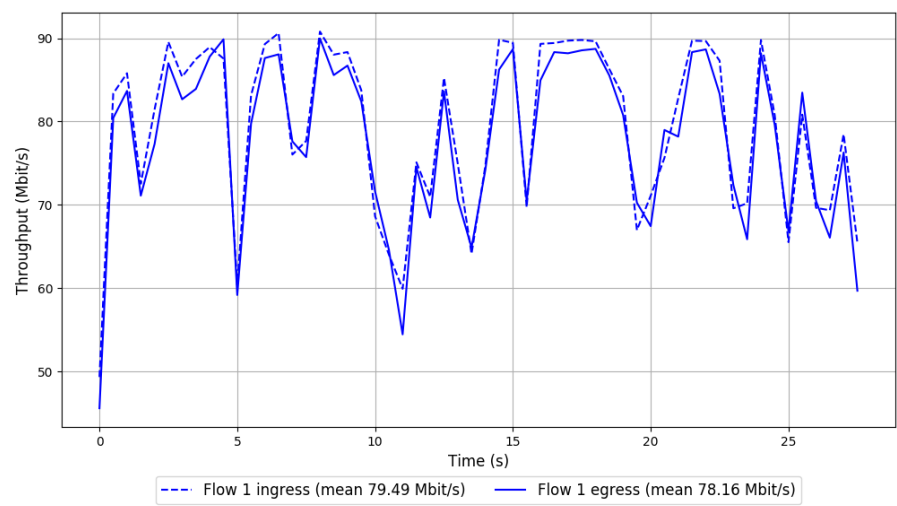


Run 7: Statistics of TaoVA-100x

Start at: 2017-11-21 01:35:37  
End at: 2017-11-21 01:36:07  
Local clock offset: 1.576 ms  
Remote clock offset: -0.144 ms

# Below is generated by plot.py at 2017-11-21 06:14:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.16 Mbit/s  
95th percentile per-packet one-way delay: 35.189 ms  
Loss rate: 1.86%  
-- Flow 1:  
Average throughput: 78.16 Mbit/s  
95th percentile per-packet one-way delay: 35.189 ms  
Loss rate: 1.86%

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



Run 8: Statistics of TaoVA-100x

Start at: 2017-11-21 01:55:59

End at: 2017-11-21 01:56:29

Local clock offset: 0.828 ms

Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2017-11-21 06:15:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 81.95 Mbit/s

95th percentile per-packet one-way delay: 33.275 ms

Loss rate: 1.78%

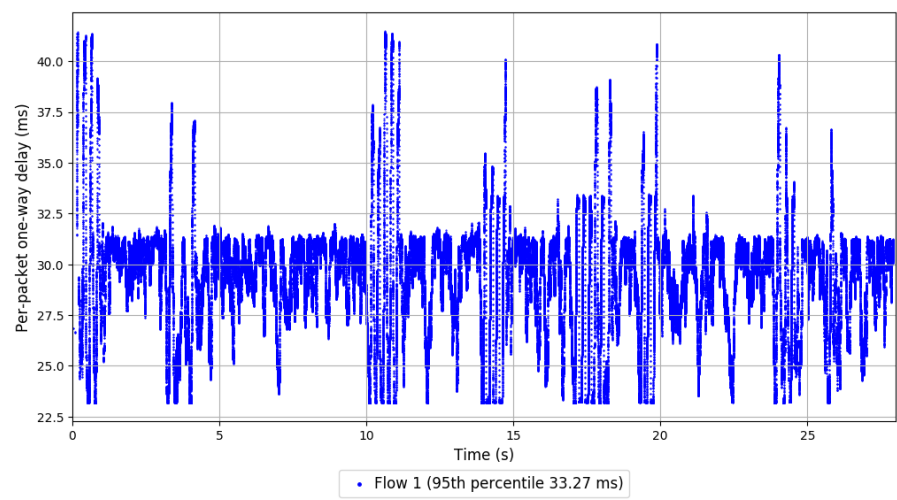
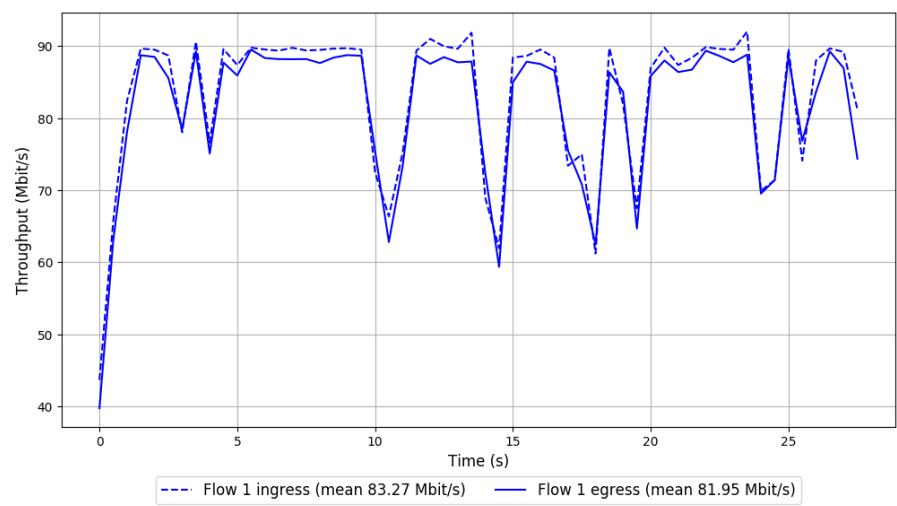
-- Flow 1:

Average throughput: 81.95 Mbit/s

95th percentile per-packet one-way delay: 33.275 ms

Loss rate: 1.78%

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



Run 9: Statistics of TaoVA-100x

Start at: 2017-11-21 02:16:08

End at: 2017-11-21 02:16:38

Local clock offset: 0.875 ms

Remote clock offset: -2.028 ms

# Below is generated by plot.py at 2017-11-21 06:15:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.11 Mbit/s

95th percentile per-packet one-way delay: 35.737 ms

Loss rate: 1.60%

-- Flow 1:

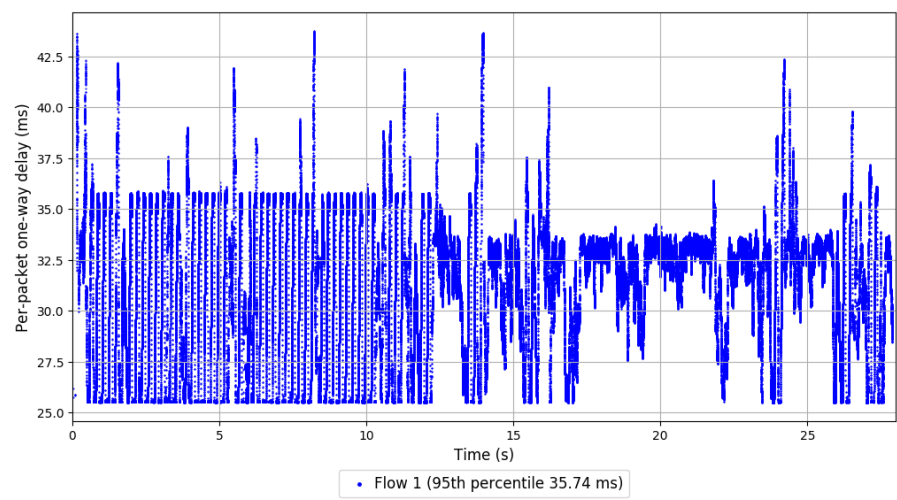
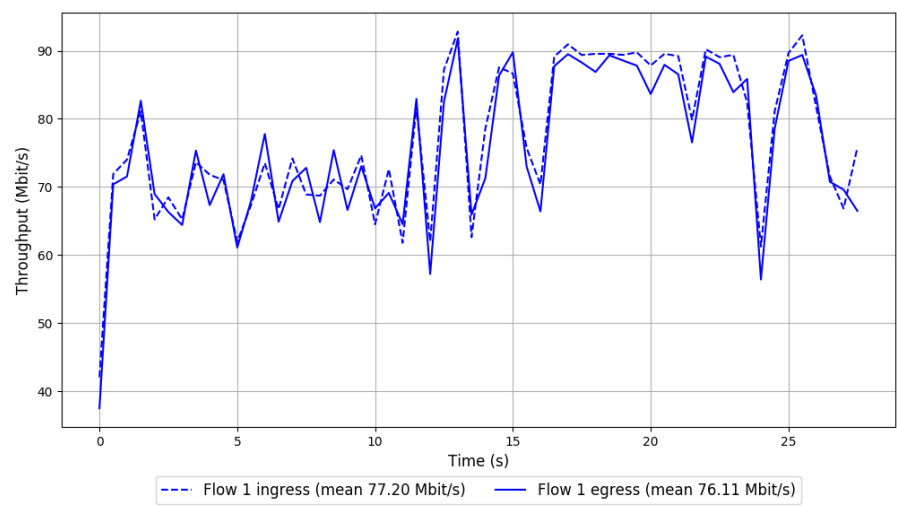
Average throughput: 76.11 Mbit/s

95th percentile per-packet one-way delay: 35.737 ms

Loss rate: 1.60%



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



Run 10: Statistics of TaoVA-100x

Start at: 2017-11-21 02:35:51

End at: 2017-11-21 02:36:21

Local clock offset: 1.222 ms

Remote clock offset: -0.458 ms

# Below is generated by plot.py at 2017-11-21 06:16:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.16 Mbit/s

95th percentile per-packet one-way delay: 33.238 ms

Loss rate: 1.91%

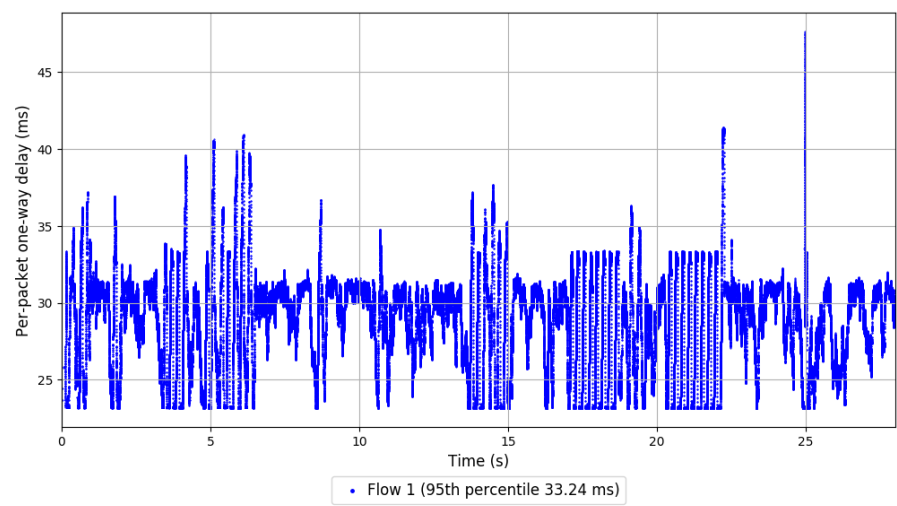
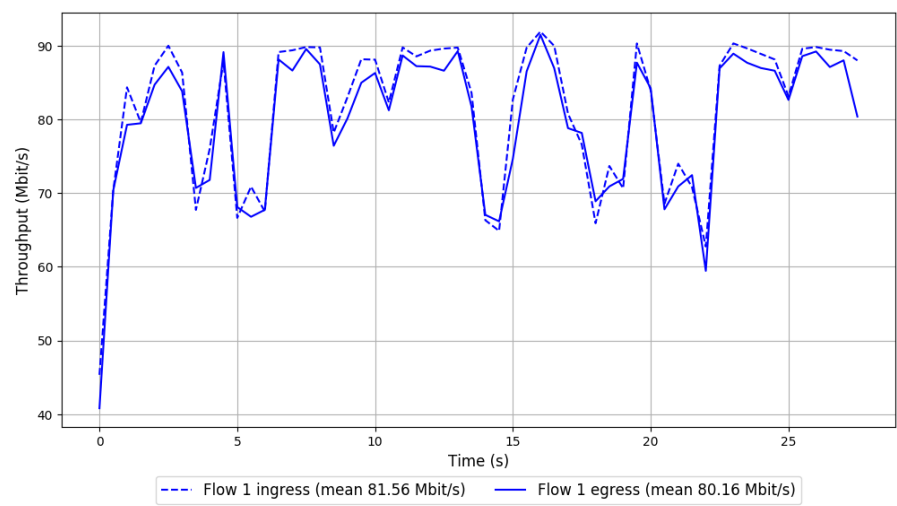
-- Flow 1:

Average throughput: 80.16 Mbit/s

95th percentile per-packet one-way delay: 33.238 ms

Loss rate: 1.91%

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

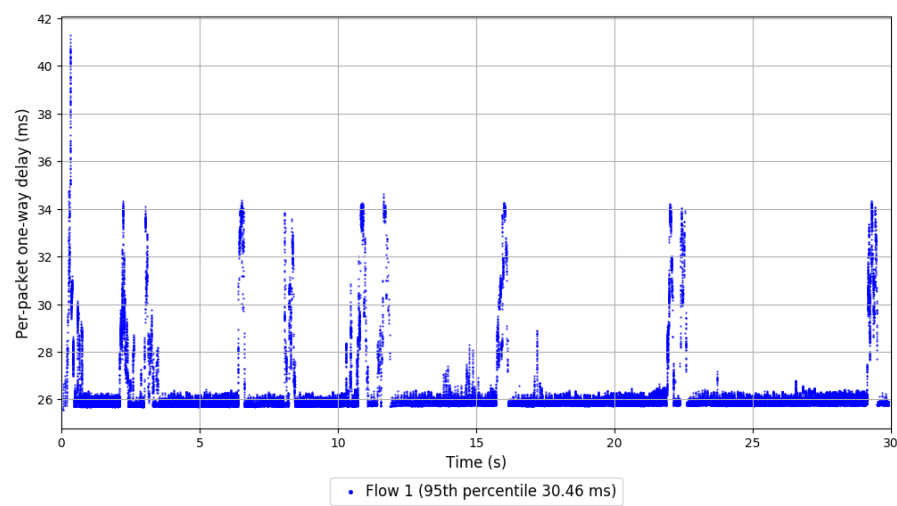
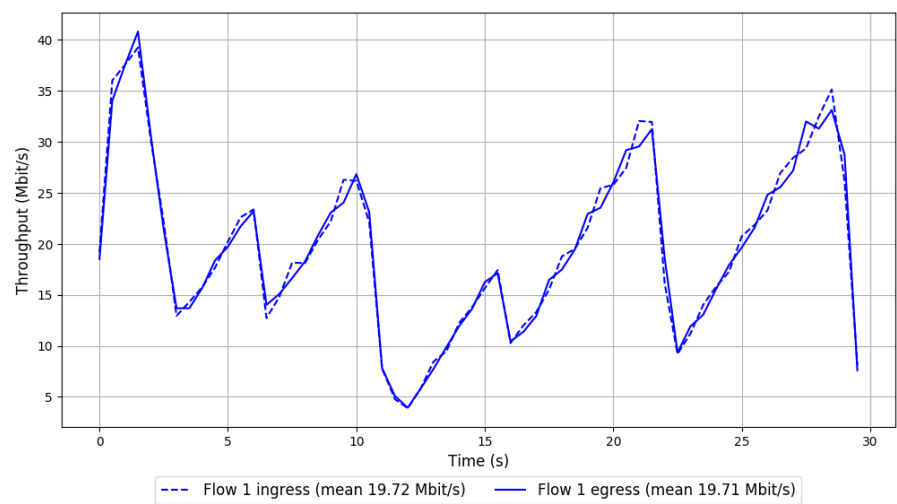


Run 1: Statistics of TCP Vegas

Start at: 2017-11-20 23:32:13  
End at: 2017-11-20 23:32:43  
Local clock offset: 1.823 ms  
Remote clock offset: -1.091 ms

# Below is generated by plot.py at 2017-11-21 06:16:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 19.71 Mbit/s  
95th percentile per-packet one-way delay: 30.464 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 19.71 Mbit/s  
95th percentile per-packet one-way delay: 30.464 ms  
Loss rate: 0.21%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2017-11-20 23:50:45

End at: 2017-11-20 23:51:15

Local clock offset: 1.652 ms

Remote clock offset: -2.34 ms

# Below is generated by plot.py at 2017-11-21 06:16:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.55 Mbit/s

95th percentile per-packet one-way delay: 26.671 ms

Loss rate: 0.26%

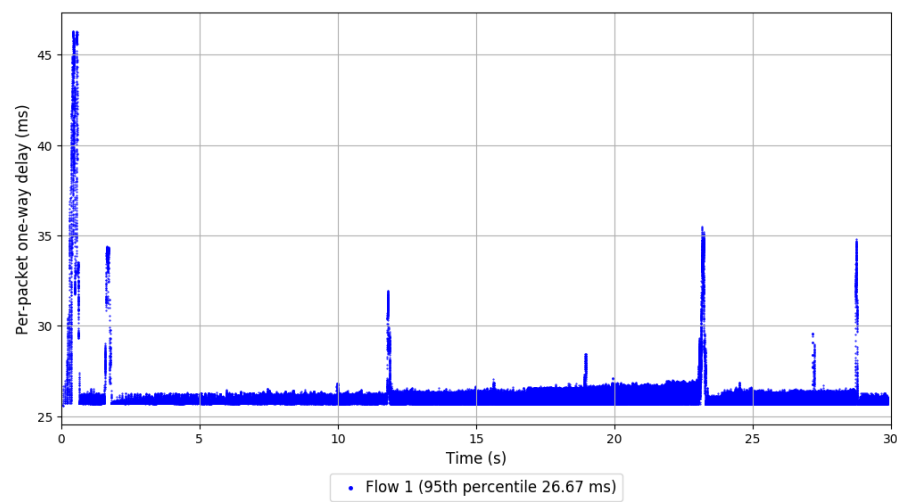
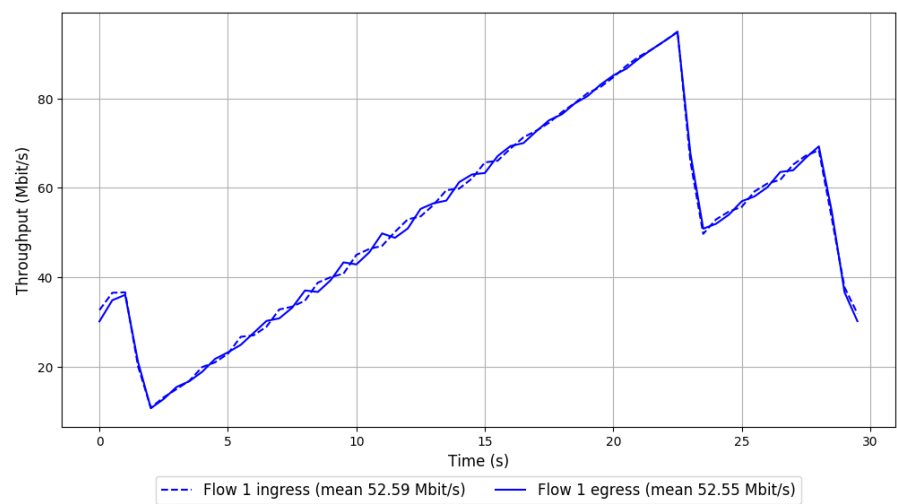
-- Flow 1:

Average throughput: 52.55 Mbit/s

95th percentile per-packet one-way delay: 26.671 ms

Loss rate: 0.26%

Run 2: Report of TCP Vegas — Data Link



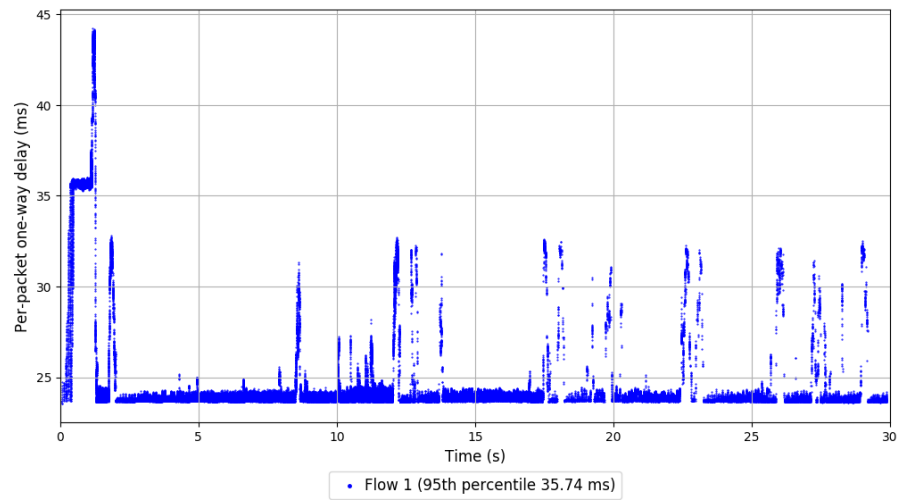
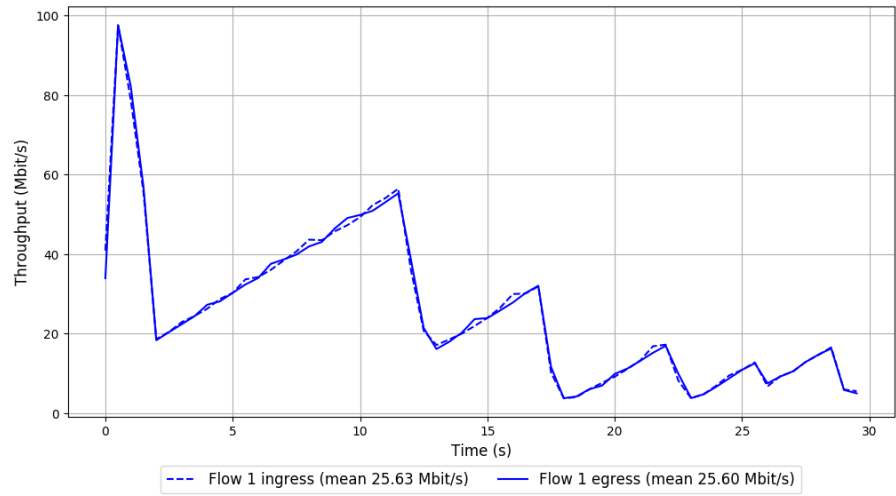
Run 3: Statistics of TCP Vegas

Start at: 2017-11-21 00:09:22  
End at: 2017-11-21 00:09:52  
Local clock offset: 2.565 ms  
Remote clock offset: -0.576 ms

# Below is generated by plot.py at 2017-11-21 06:16:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 25.60 Mbit/s  
95th percentile per-packet one-way delay: 35.736 ms  
Loss rate: 0.31%  
-- Flow 1:  
Average throughput: 25.60 Mbit/s  
95th percentile per-packet one-way delay: 35.736 ms  
Loss rate: 0.31%



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

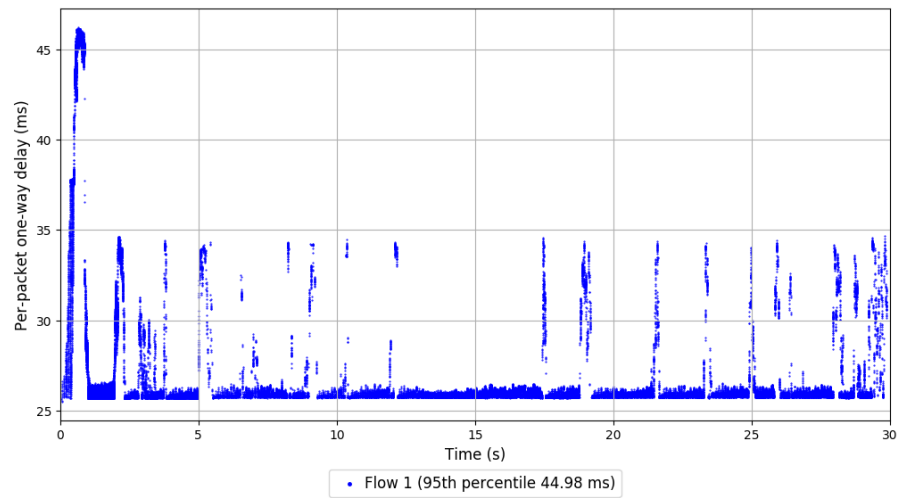
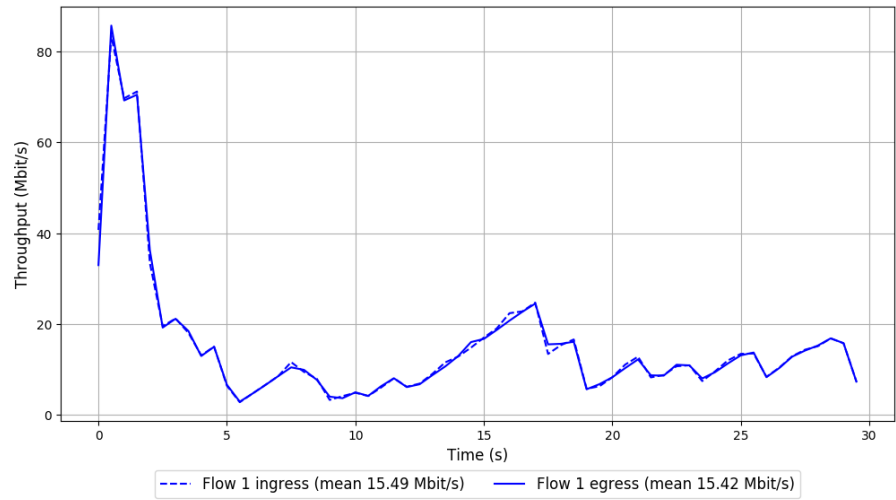


Run 4: Statistics of TCP Vegas

Start at: 2017-11-21 00:28:42  
End at: 2017-11-21 00:29:12  
Local clock offset: 3.379 ms  
Remote clock offset: -2.439 ms

# Below is generated by plot.py at 2017-11-21 06:16:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 15.42 Mbit/s  
95th percentile per-packet one-way delay: 44.975 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 15.42 Mbit/s  
95th percentile per-packet one-way delay: 44.975 ms  
Loss rate: 0.62%

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

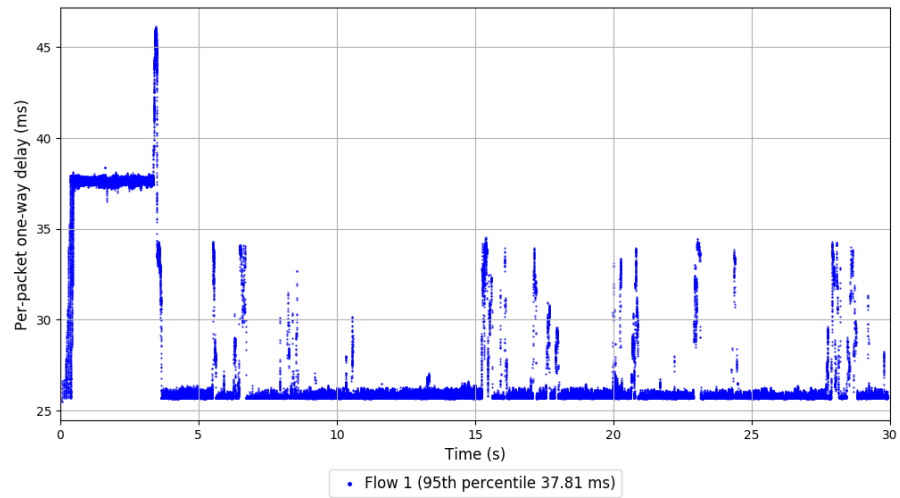
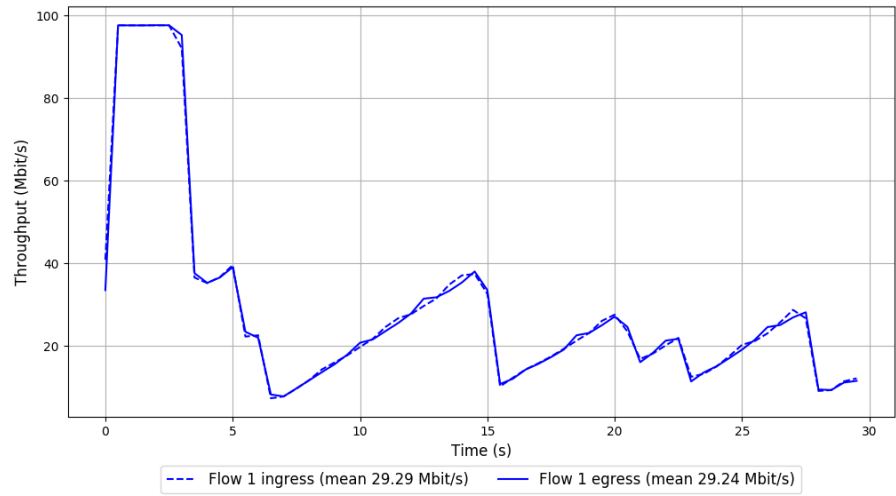


Run 5: Statistics of TCP Vegas

Start at: 2017-11-21 00:47:40  
End at: 2017-11-21 00:48:10  
Local clock offset: 3.437 ms  
Remote clock offset: -2.338 ms

# Below is generated by plot.py at 2017-11-21 06:16:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 29.24 Mbit/s  
95th percentile per-packet one-way delay: 37.810 ms  
Loss rate: 0.29%  
-- Flow 1:  
Average throughput: 29.24 Mbit/s  
95th percentile per-packet one-way delay: 37.810 ms  
Loss rate: 0.29%

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

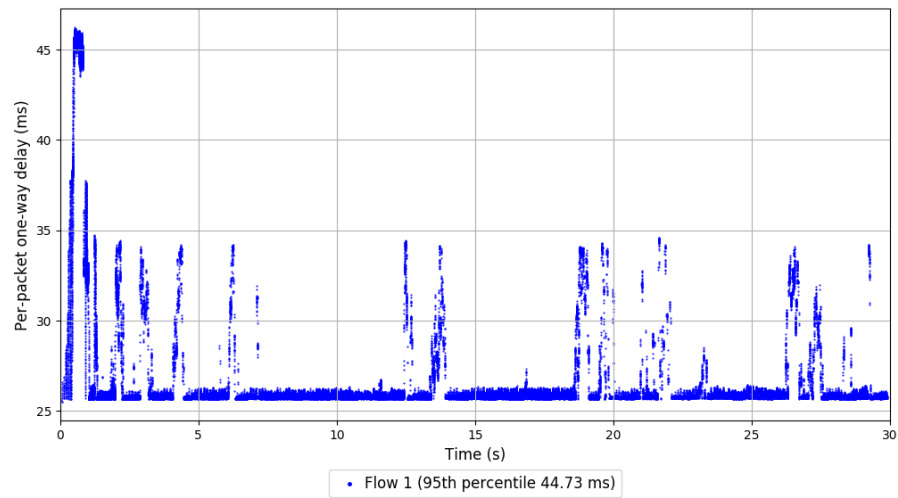
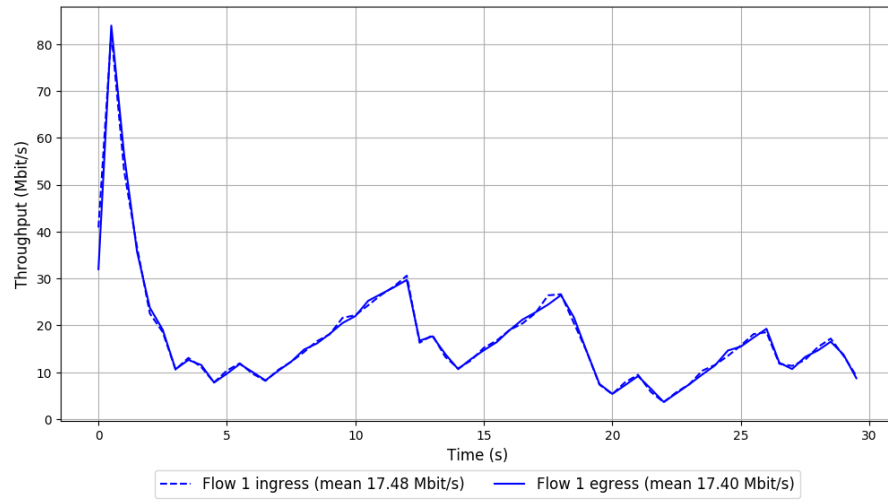


Run 6: Statistics of TCP Vegas

Start at: 2017-11-21 01:06:20  
End at: 2017-11-21 01:06:50  
Local clock offset: 2.186 ms  
Remote clock offset: -2.025 ms

# Below is generated by plot.py at 2017-11-21 06:16:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 17.40 Mbit/s  
95th percentile per-packet one-way delay: 44.734 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 17.40 Mbit/s  
95th percentile per-packet one-way delay: 44.734 ms  
Loss rate: 0.62%

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



Run 7: Statistics of TCP Vegas

Start at: 2017-11-21 01:25:52

End at: 2017-11-21 01:26:22

Local clock offset: 2.07 ms

Remote clock offset: 0.138 ms

# Below is generated by plot.py at 2017-11-21 06:16:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 10.60 Mbit/s

95th percentile per-packet one-way delay: 42.746 ms

Loss rate: 1.11%

-- Flow 1:

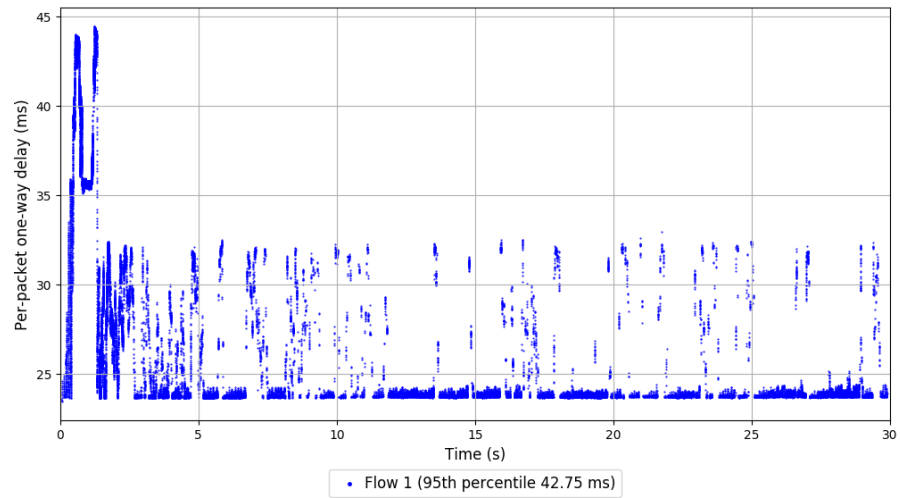
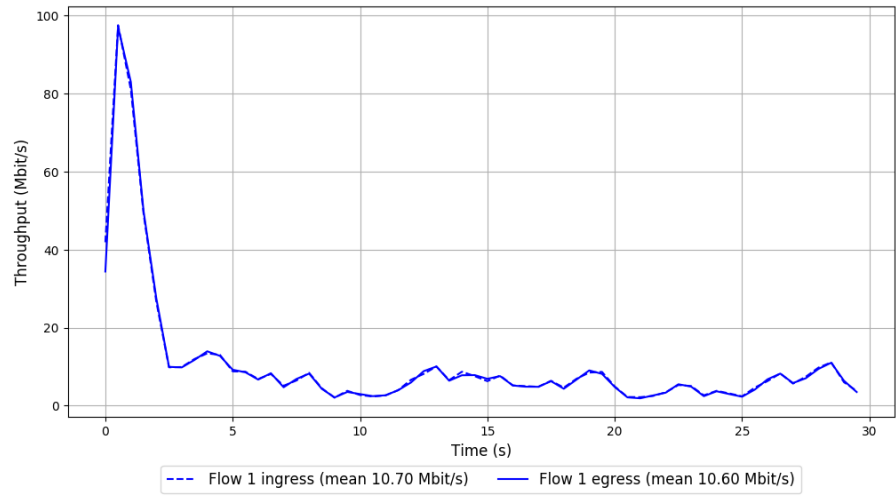
Average throughput: 10.60 Mbit/s

95th percentile per-packet one-way delay: 42.746 ms

Loss rate: 1.11%



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

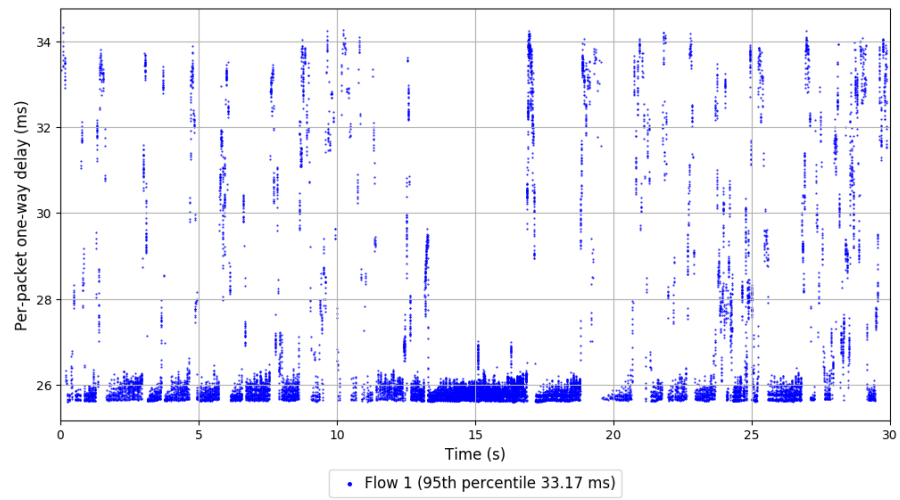
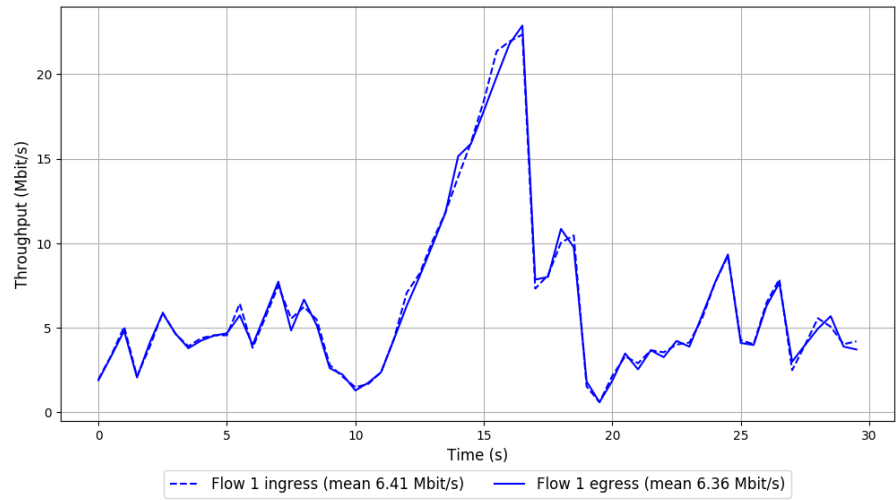


Run 8: Statistics of TCP Vegas

Start at: 2017-11-21 01:45:51  
End at: 2017-11-21 01:46:21  
Local clock offset: 0.869 ms  
Remote clock offset: -2.433 ms

# Below is generated by plot.py at 2017-11-21 06:16:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.36 Mbit/s  
95th percentile per-packet one-way delay: 33.170 ms  
Loss rate: 0.91%  
-- Flow 1:  
Average throughput: 6.36 Mbit/s  
95th percentile per-packet one-way delay: 33.170 ms  
Loss rate: 0.91%

# Run 8: Report of TCP Vegas — Data Link

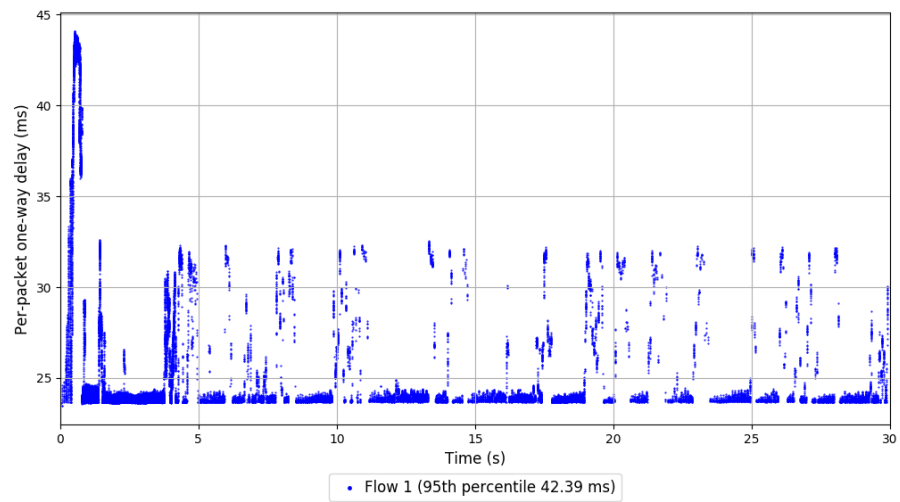
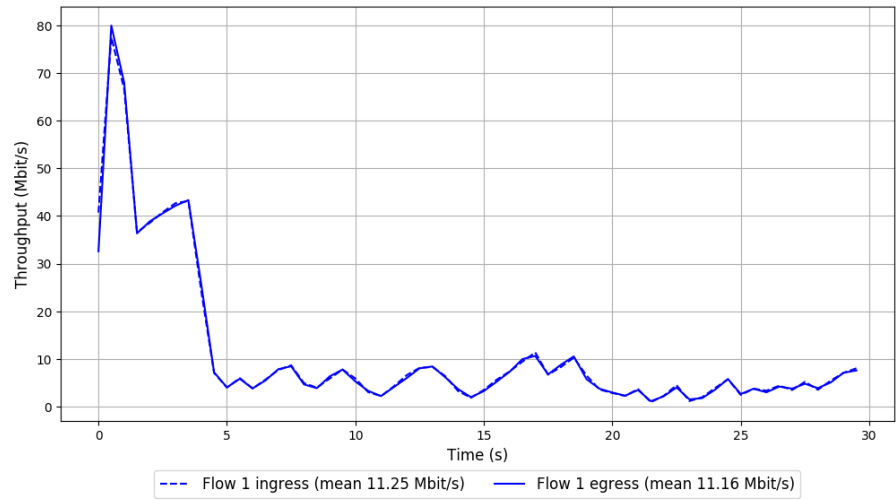


Run 9: Statistics of TCP Vegas

Start at: 2017-11-21 02:06:20  
End at: 2017-11-21 02:06:50  
Local clock offset: 0.899 ms  
Remote clock offset: -0.171 ms

# Below is generated by plot.py at 2017-11-21 06:16:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.16 Mbit/s  
95th percentile per-packet one-way delay: 42.388 ms  
Loss rate: 0.96%  
-- Flow 1:  
Average throughput: 11.16 Mbit/s  
95th percentile per-packet one-way delay: 42.388 ms  
Loss rate: 0.96%

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



Run 10: Statistics of TCP Vegas

Start at: 2017-11-21 02:26:08

End at: 2017-11-21 02:26:38

Local clock offset: 1.077 ms

Remote clock offset: 0.179 ms

# Below is generated by plot.py at 2017-11-21 06:16:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.02 Mbit/s

95th percentile per-packet one-way delay: 30.645 ms

Loss rate: 0.86%

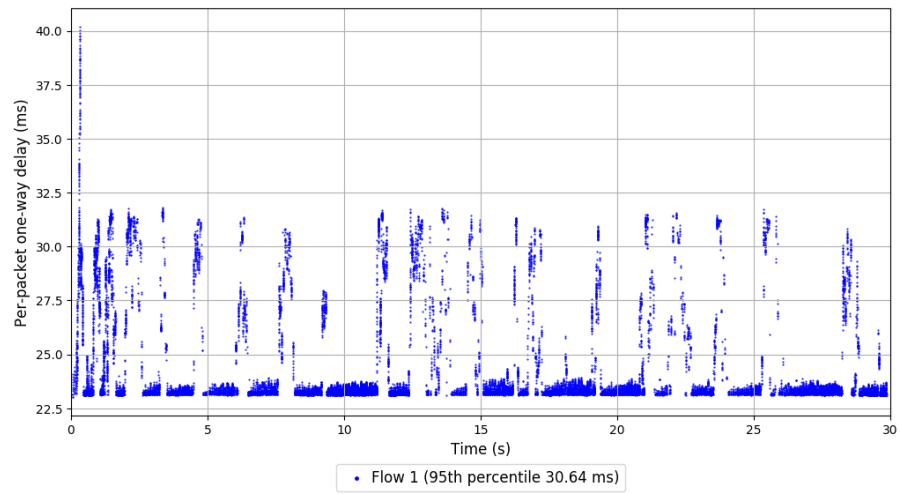
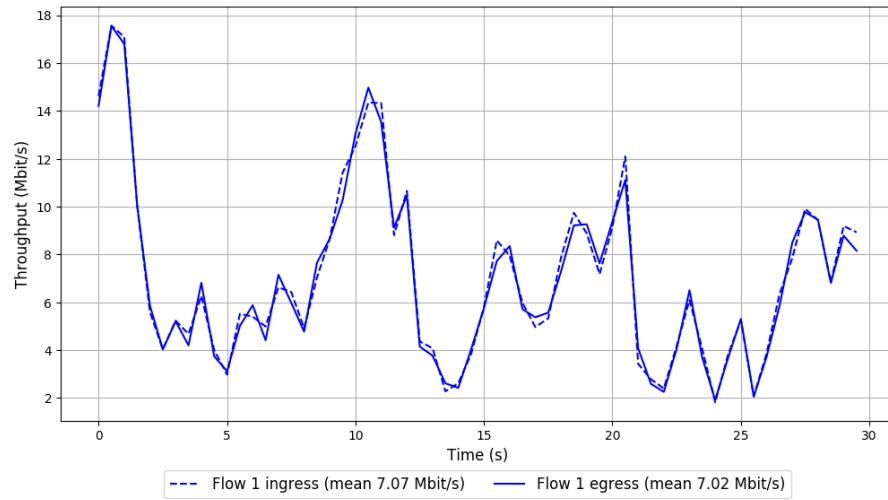
-- Flow 1:

Average throughput: 7.02 Mbit/s

95th percentile per-packet one-way delay: 30.645 ms

Loss rate: 0.86%

# Run 10: Report of TCP Vegas — Data Link



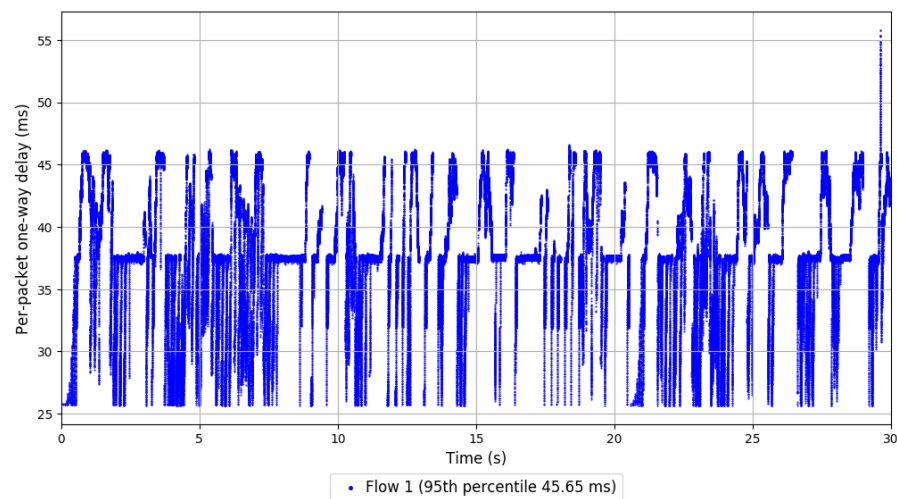
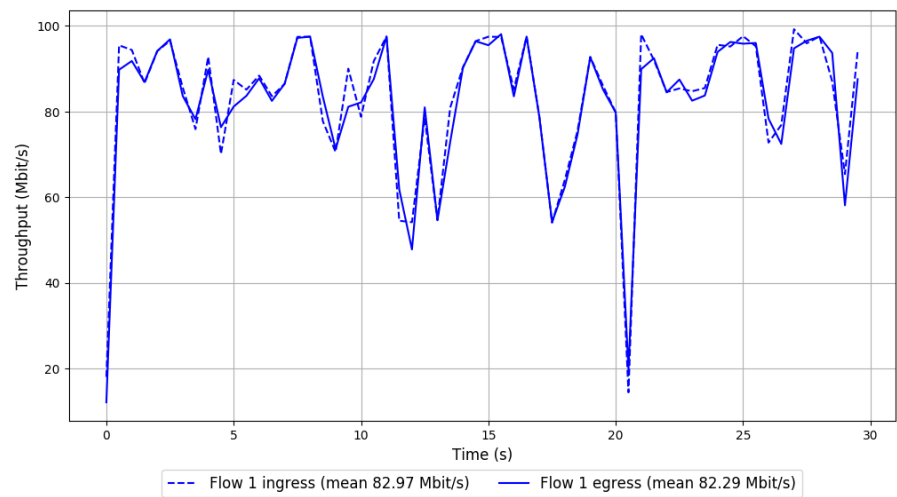
Run 1: Statistics of Verus

Start at: 2017-11-20 23:37:23  
End at: 2017-11-20 23:37:53  
Local clock offset: 1.16 ms  
Remote clock offset: -1.637 ms

# Below is generated by plot.py at 2017-11-21 06:16:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.29 Mbit/s  
95th percentile per-packet one-way delay: 45.647 ms  
Loss rate: 1.01%  
-- Flow 1:  
Average throughput: 82.29 Mbit/s  
95th percentile per-packet one-way delay: 45.647 ms  
Loss rate: 1.01%



Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2017-11-20 23:55:56

End at: 2017-11-20 23:56:26

Local clock offset: 1.759 ms

Remote clock offset: 0.095 ms

# Below is generated by plot.py at 2017-11-21 06:16:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.58 Mbit/s

95th percentile per-packet one-way delay: 42.002 ms

Loss rate: 0.52%

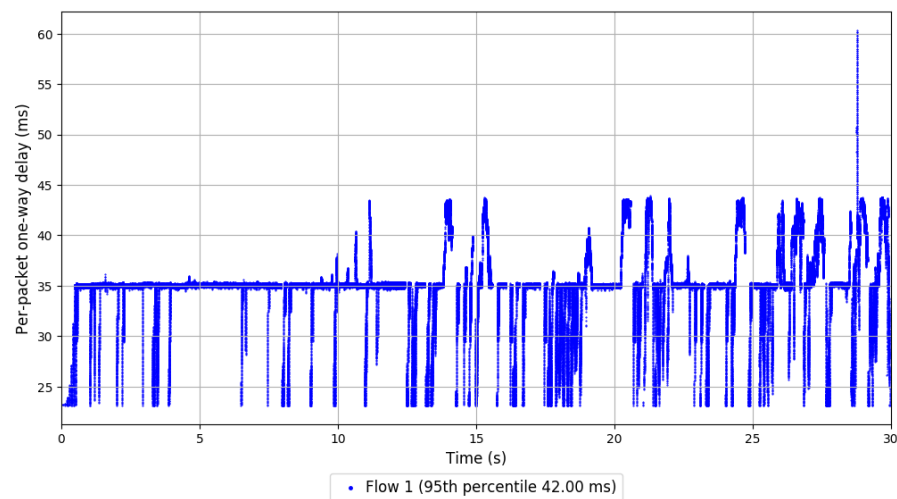
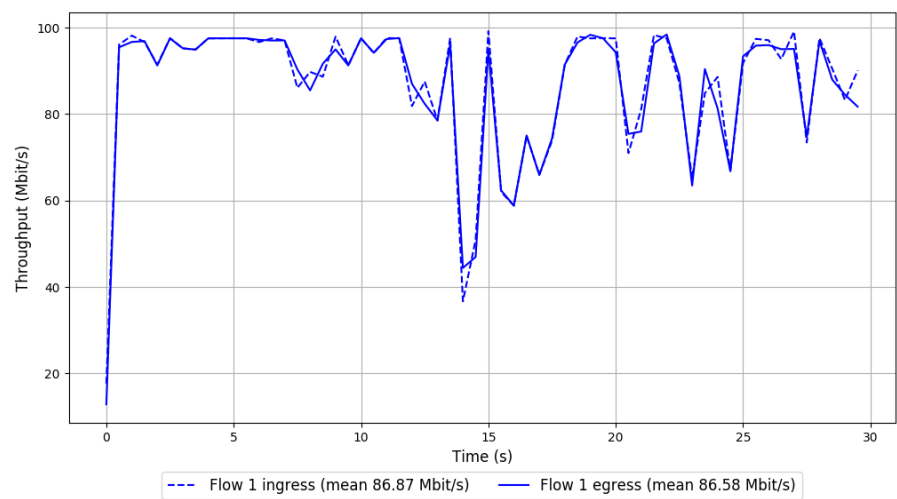
-- Flow 1:

Average throughput: 86.58 Mbit/s

95th percentile per-packet one-way delay: 42.002 ms

Loss rate: 0.52%

Run 2: Report of Verus — Data Link

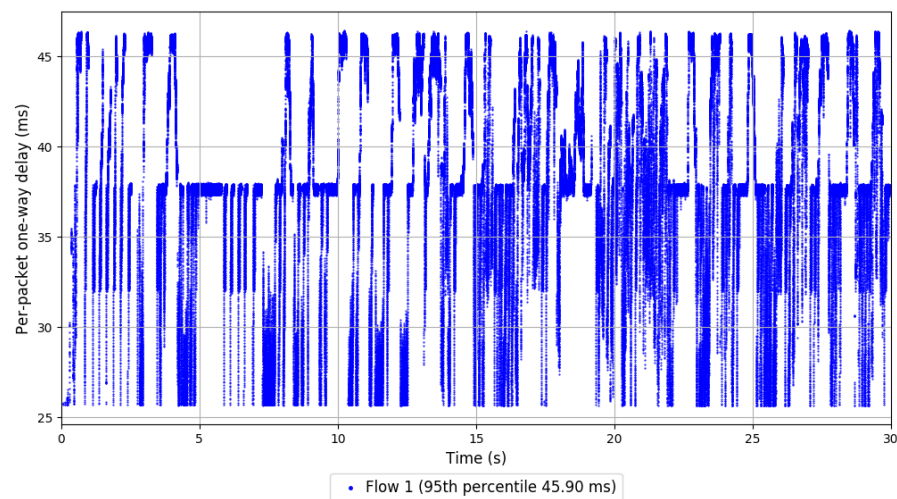
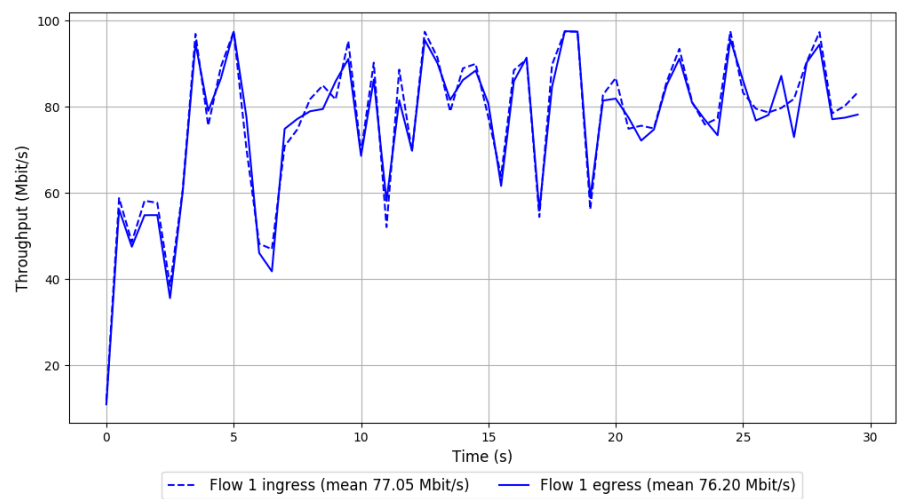


Run 3: Statistics of Verus

Start at: 2017-11-21 00:14:45  
End at: 2017-11-21 00:15:15  
Local clock offset: 2.954 ms  
Remote clock offset: -2.737 ms

# Below is generated by plot.py at 2017-11-21 06:16:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.20 Mbit/s  
95th percentile per-packet one-way delay: 45.897 ms  
Loss rate: 1.28%  
-- Flow 1:  
Average throughput: 76.20 Mbit/s  
95th percentile per-packet one-way delay: 45.897 ms  
Loss rate: 1.28%

Run 3: Report of Verus — Data Link

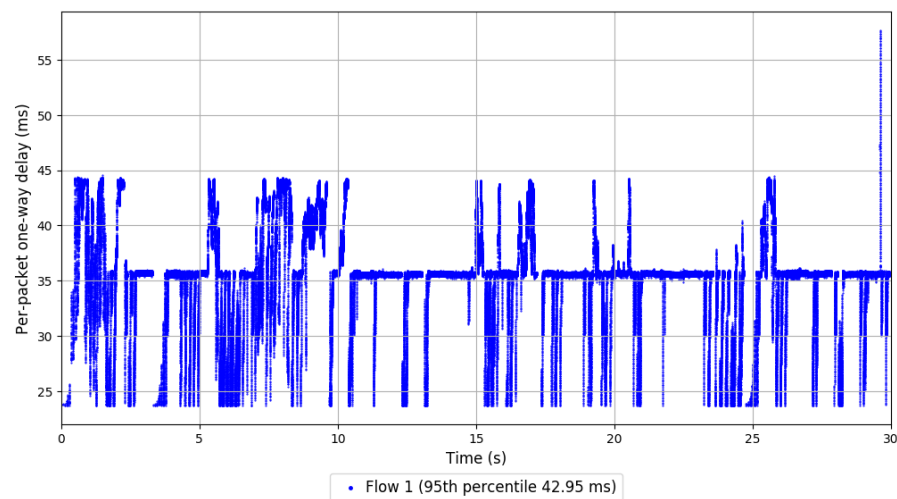
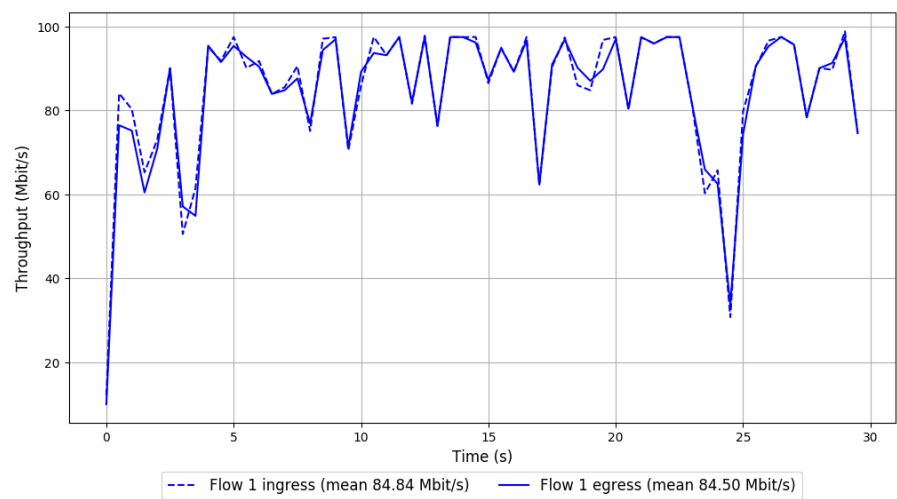


Run 4: Statistics of Verus

Start at: 2017-11-21 00:33:59  
End at: 2017-11-21 00:34:29  
Local clock offset: 3.158 ms  
Remote clock offset: -0.493 ms

# Below is generated by plot.py at 2017-11-21 06:16:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.50 Mbit/s  
95th percentile per-packet one-way delay: 42.949 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 84.50 Mbit/s  
95th percentile per-packet one-way delay: 42.949 ms  
Loss rate: 0.61%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2017-11-21 00:52:54

End at: 2017-11-21 00:53:24

Local clock offset: 3.135 ms

Remote clock offset: 0.283 ms

# Below is generated by plot.py at 2017-11-21 06:16:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.43 Mbit/s

95th percentile per-packet one-way delay: 43.386 ms

Loss rate: 1.16%

-- Flow 1:

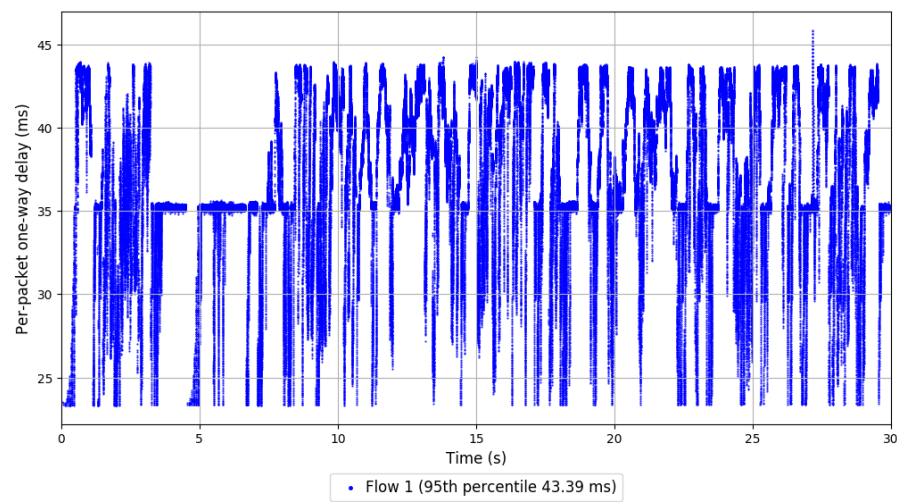
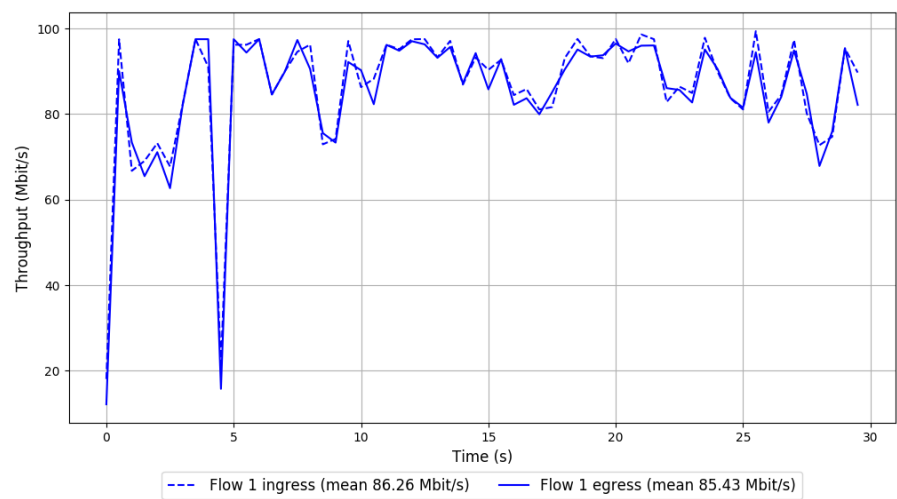
Average throughput: 85.43 Mbit/s

95th percentile per-packet one-way delay: 43.386 ms

Loss rate: 1.16%



Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2017-11-21 01:11:39

End at: 2017-11-21 01:12:09

Local clock offset: 2.242 ms

Remote clock offset: 0.064 ms

# Below is generated by plot.py at 2017-11-21 06:16:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.99 Mbit/s

95th percentile per-packet one-way delay: 43.881 ms

Loss rate: 0.97%

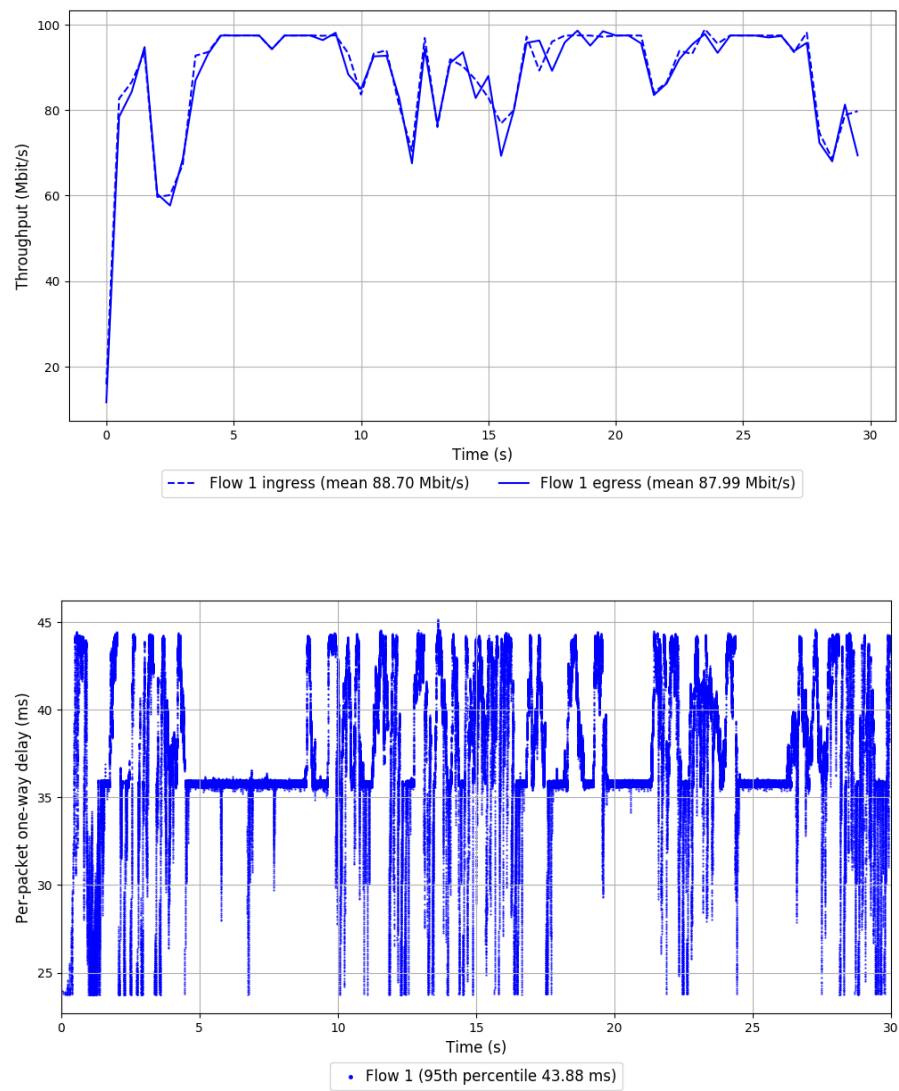
-- Flow 1:

Average throughput: 87.99 Mbit/s

95th percentile per-packet one-way delay: 43.881 ms

Loss rate: 0.97%

Run 6: Report of Verus — Data Link

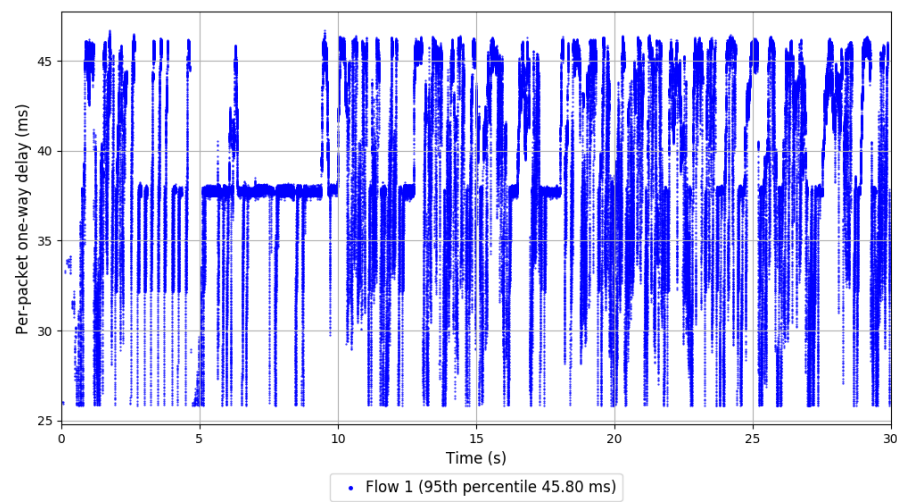
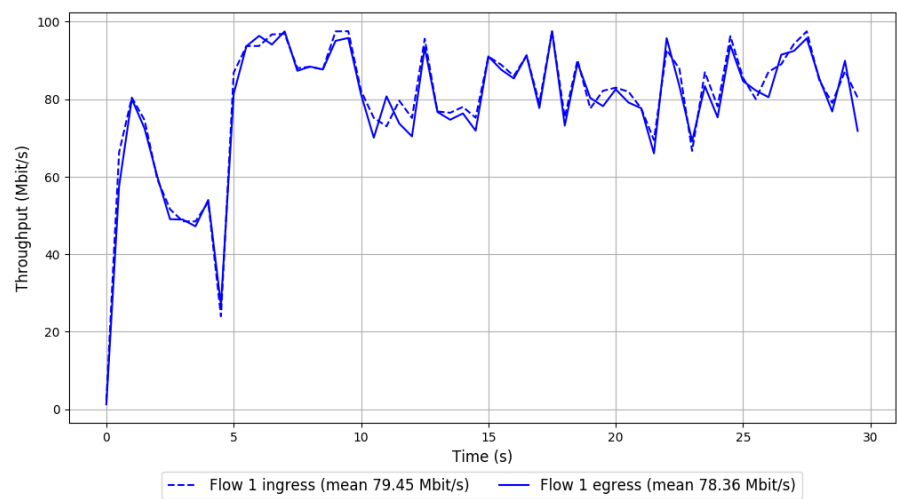


Run 7: Statistics of Verus

Start at: 2017-11-21 01:31:13  
End at: 2017-11-21 01:31:43  
Local clock offset: 1.819 ms  
Remote clock offset: -2.224 ms

# Below is generated by plot.py at 2017-11-21 06:16:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.36 Mbit/s  
95th percentile per-packet one-way delay: 45.805 ms  
Loss rate: 1.57%  
-- Flow 1:  
Average throughput: 78.36 Mbit/s  
95th percentile per-packet one-way delay: 45.805 ms  
Loss rate: 1.57%

Run 7: Report of Verus — Data Link

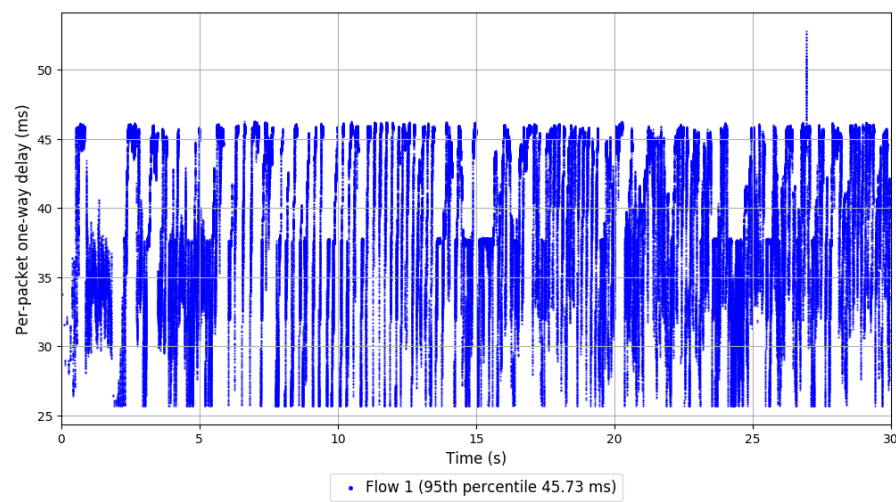
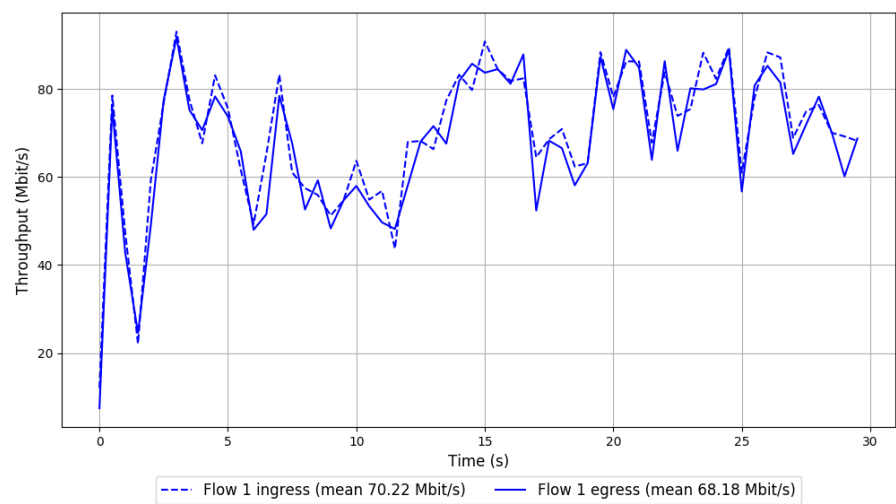


Run 8: Statistics of Verus

Start at: 2017-11-21 01:51:22  
End at: 2017-11-21 01:51:52  
Local clock offset: 0.911 ms  
Remote clock offset: -2.475 ms

# Below is generated by plot.py at 2017-11-21 06:17:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.18 Mbit/s  
95th percentile per-packet one-way delay: 45.725 ms  
Loss rate: 2.95%  
-- Flow 1:  
Average throughput: 68.18 Mbit/s  
95th percentile per-packet one-way delay: 45.725 ms  
Loss rate: 2.95%

Run 8: Report of Verus — Data Link



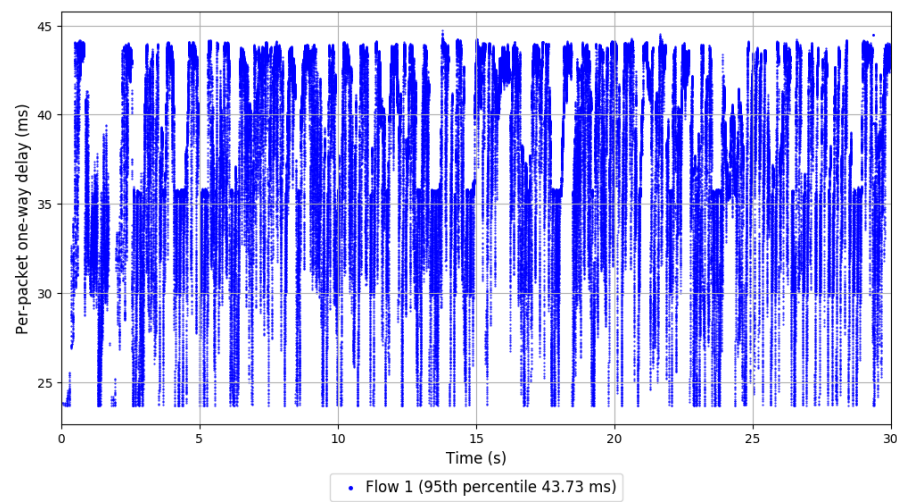
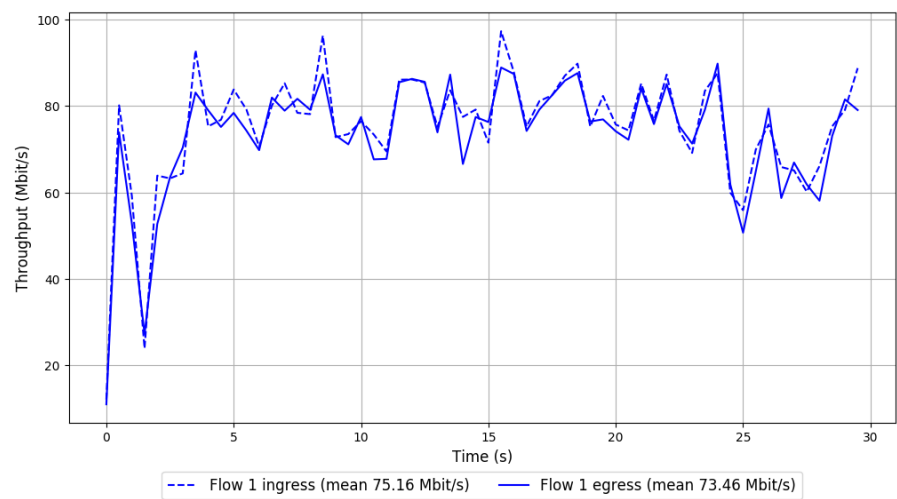
Run 9: Statistics of Verus

Start at: 2017-11-21 02:11:49  
End at: 2017-11-21 02:12:19  
Local clock offset: 0.911 ms  
Remote clock offset: -0.099 ms

# Below is generated by plot.py at 2017-11-21 06:17:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 73.46 Mbit/s  
95th percentile per-packet one-way delay: 43.727 ms  
Loss rate: 2.43%  
-- Flow 1:  
Average throughput: 73.46 Mbit/s  
95th percentile per-packet one-way delay: 43.727 ms  
Loss rate: 2.43%



Run 9: Report of Verus — Data Link

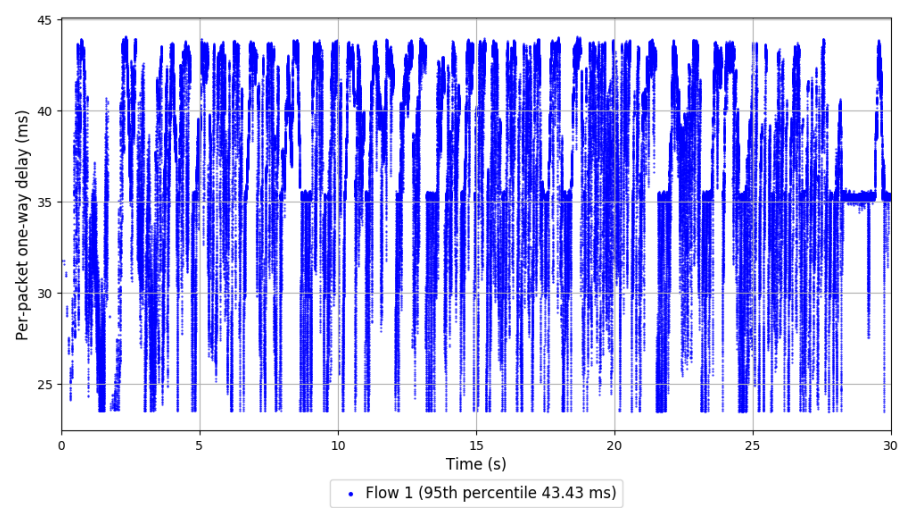
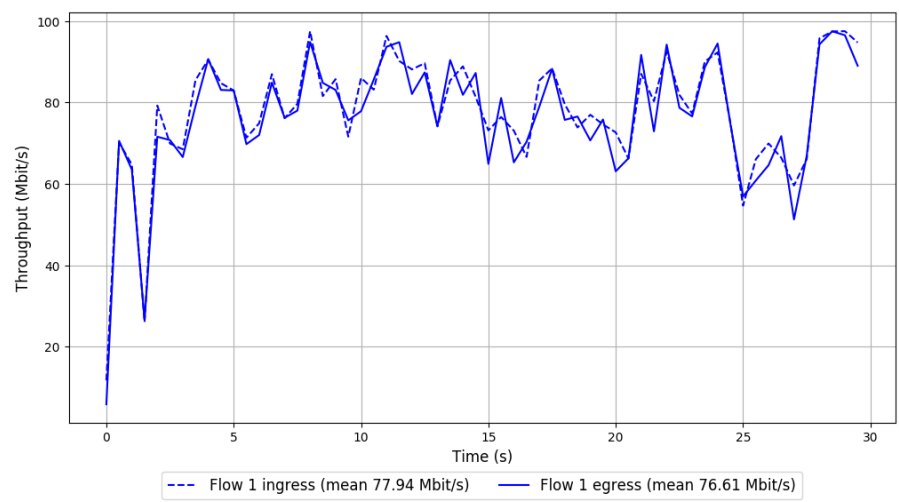


Run 10: Statistics of Verus

Start at: 2017-11-21 02:31:35  
End at: 2017-11-21 02:32:05  
Local clock offset: 1.152 ms  
Remote clock offset: -0.555 ms

# Below is generated by plot.py at 2017-11-21 06:17:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.61 Mbit/s  
95th percentile per-packet one-way delay: 43.427 ms  
Loss rate: 1.92%  
-- Flow 1:  
Average throughput: 76.61 Mbit/s  
95th percentile per-packet one-way delay: 43.427 ms  
Loss rate: 1.92%

Run 10: Report of Verus — Data Link



Run 1: Statistics of Copa

Start at: 2017-11-20 23:42:43

End at: 2017-11-20 23:43:13

Local clock offset: 1.187 ms

Remote clock offset: 0.078 ms

# Below is generated by plot.py at 2017-11-21 06:18:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.06 Mbit/s

95th percentile per-packet one-way delay: 33.728 ms

Loss rate: 0.51%

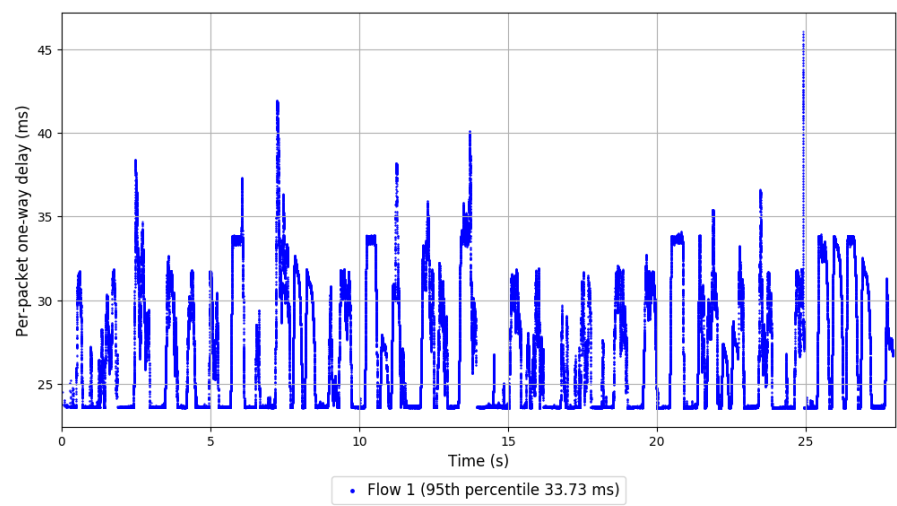
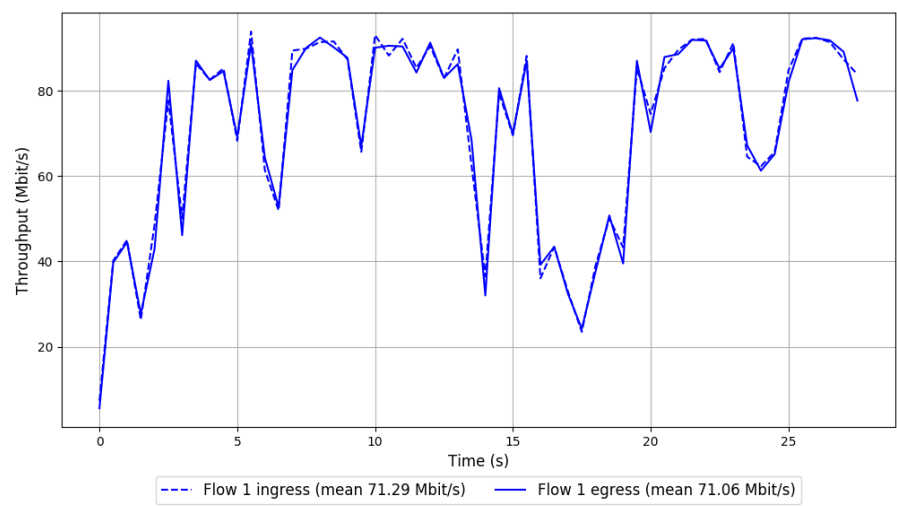
-- Flow 1:

Average throughput: 71.06 Mbit/s

95th percentile per-packet one-way delay: 33.728 ms

Loss rate: 0.51%

Run 1: Report of Copa — Data Link

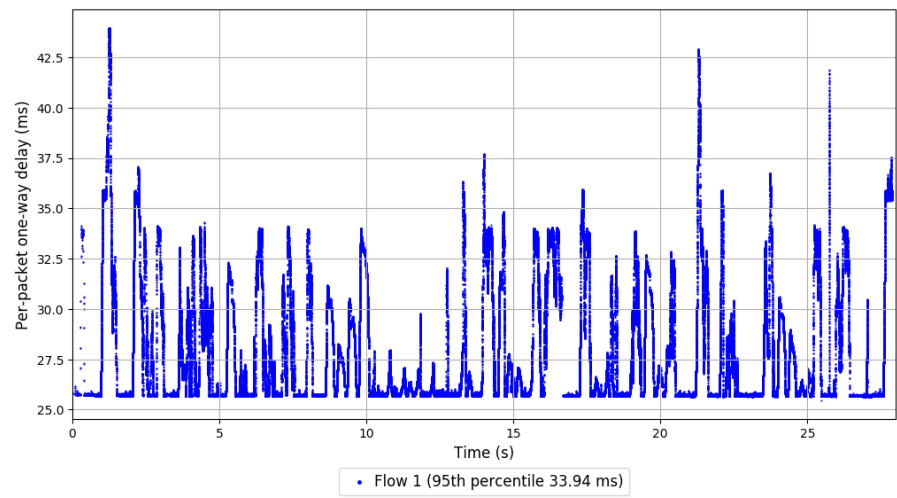
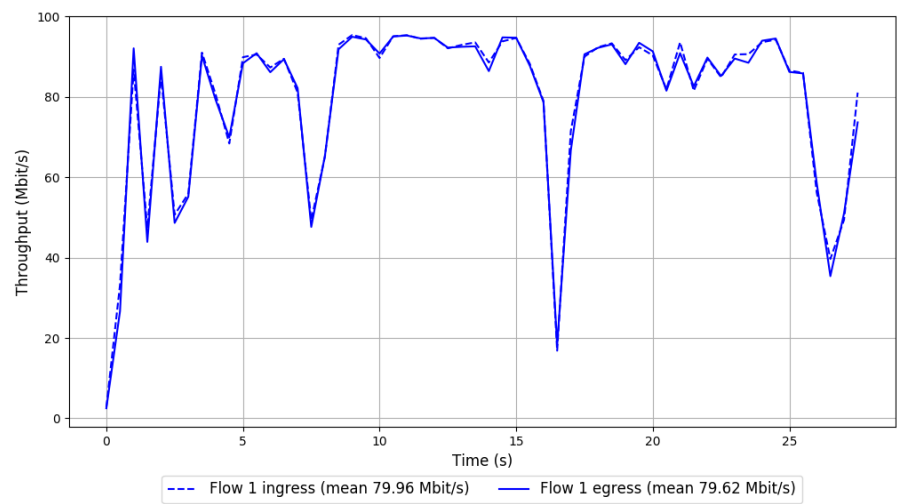


Run 2: Statistics of Copa

Start at: 2017-11-21 00:01:10  
End at: 2017-11-21 00:01:40  
Local clock offset: 1.941 ms  
Remote clock offset: -2.618 ms

# Below is generated by plot.py at 2017-11-21 06:18:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.62 Mbit/s  
95th percentile per-packet one-way delay: 33.942 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 79.62 Mbit/s  
95th percentile per-packet one-way delay: 33.942 ms  
Loss rate: 0.61%

Run 2: Report of Copa — Data Link



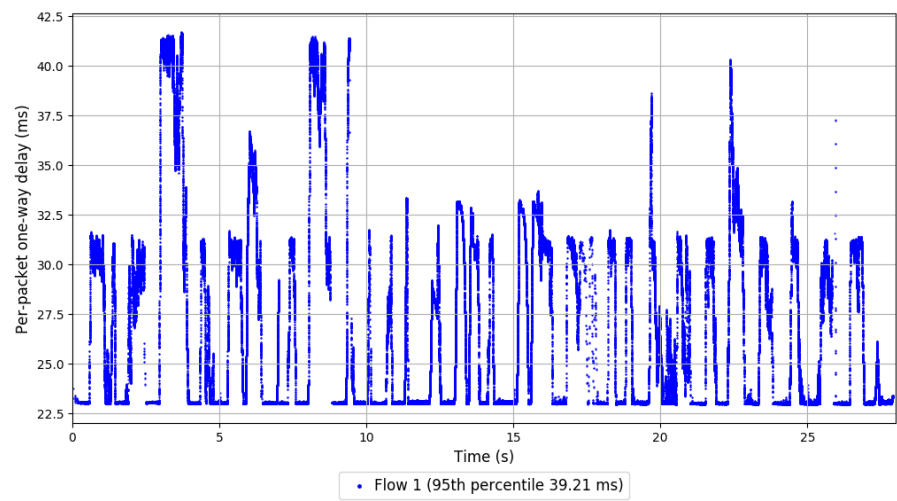
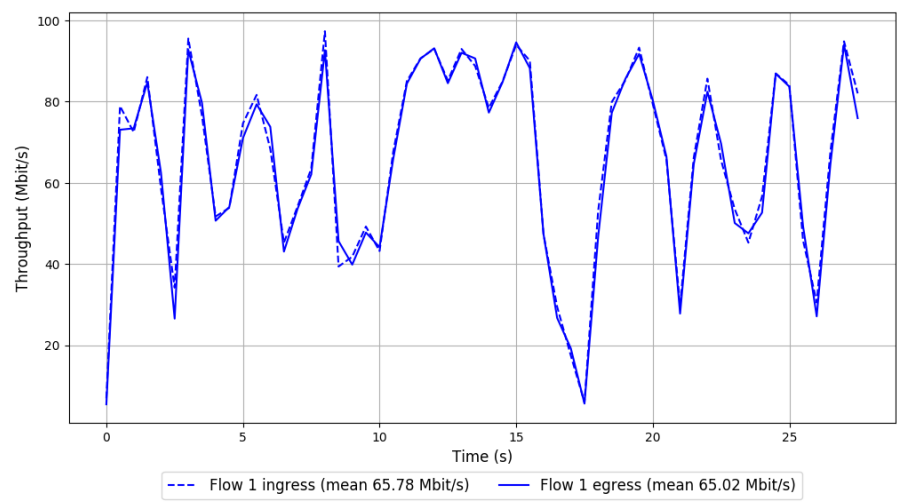
Run 3: Statistics of Copa

Start at: 2017-11-21 00:20:29  
End at: 2017-11-21 00:20:59  
Local clock offset: 3.489 ms  
Remote clock offset: -0.097 ms

# Below is generated by plot.py at 2017-11-21 06:18:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 65.02 Mbit/s  
95th percentile per-packet one-way delay: 39.213 ms  
Loss rate: 1.36%  
-- Flow 1:  
Average throughput: 65.02 Mbit/s  
95th percentile per-packet one-way delay: 39.213 ms  
Loss rate: 1.36%



Run 3: Report of Copa — Data Link

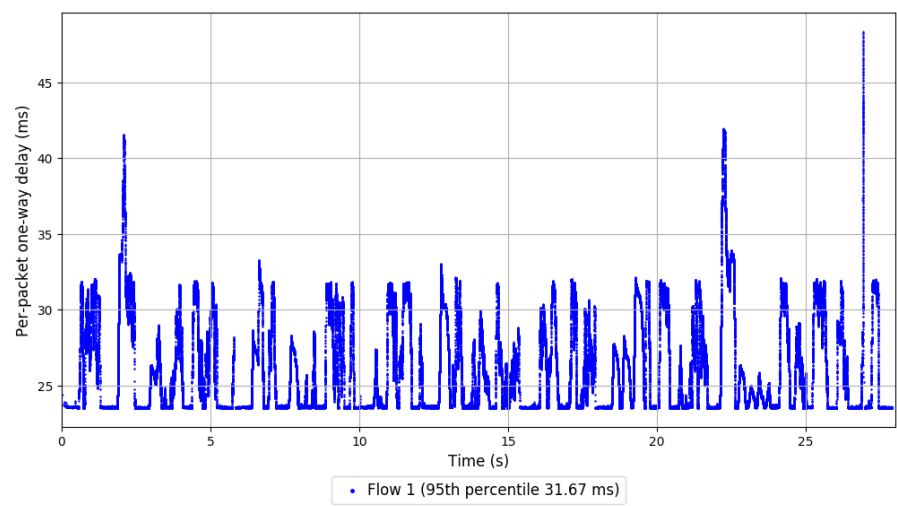
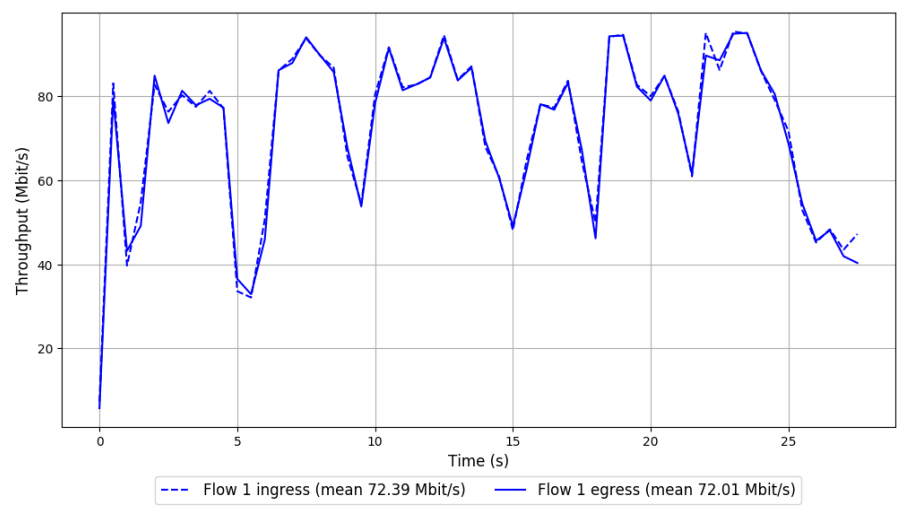


Run 4: Statistics of Copa

Start at: 2017-11-21 00:39:32  
End at: 2017-11-21 00:40:02  
Local clock offset: 3.135 ms  
Remote clock offset: -0.316 ms

# Below is generated by plot.py at 2017-11-21 06:18:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 72.01 Mbit/s  
95th percentile per-packet one-way delay: 31.669 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 72.01 Mbit/s  
95th percentile per-packet one-way delay: 31.669 ms  
Loss rate: 0.72%

Run 4: Report of Copa — Data Link

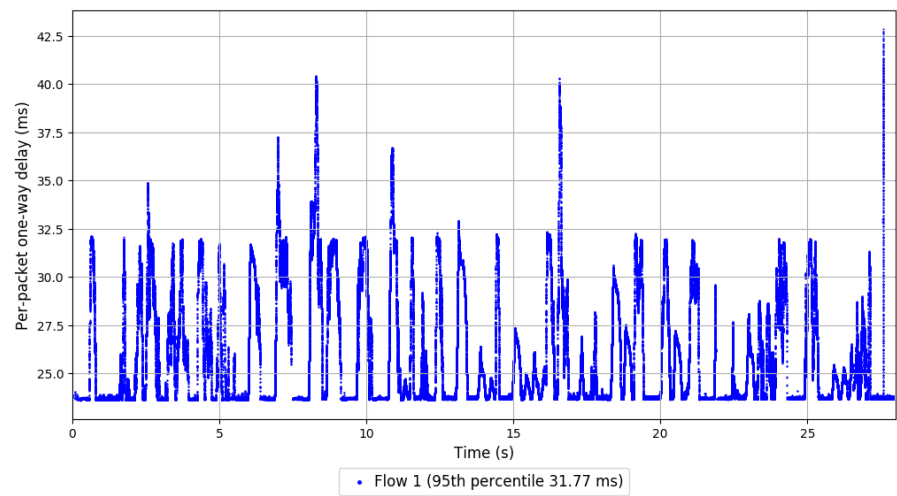
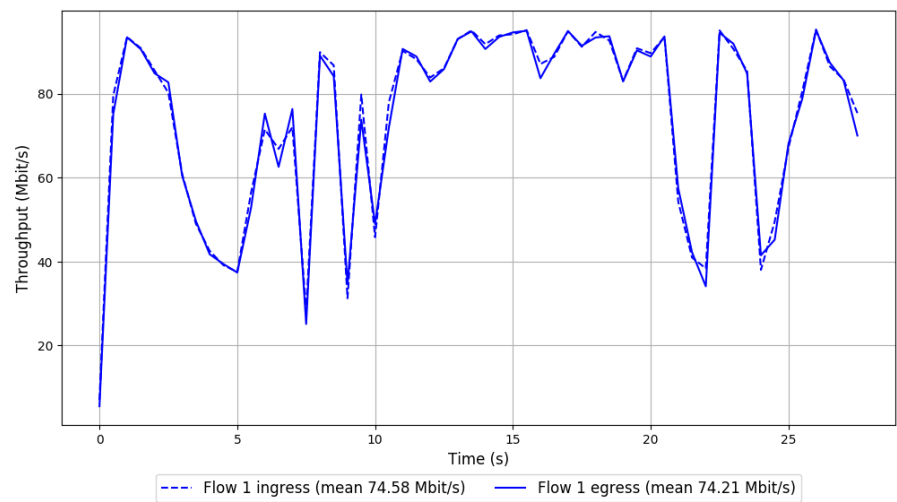


Run 5: Statistics of Copa

Start at: 2017-11-21 00:58:20  
End at: 2017-11-21 00:58:50  
Local clock offset: 2.589 ms  
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2017-11-21 06:18:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.21 Mbit/s  
95th percentile per-packet one-way delay: 31.765 ms  
Loss rate: 0.68%  
-- Flow 1:  
Average throughput: 74.21 Mbit/s  
95th percentile per-packet one-way delay: 31.765 ms  
Loss rate: 0.68%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2017-11-21 01:17:25

End at: 2017-11-21 01:17:55

Local clock offset: 2.314 ms

Remote clock offset: 0.7 ms

# Below is generated by plot.py at 2017-11-21 06:19:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.77 Mbit/s

95th percentile per-packet one-way delay: 32.825 ms

Loss rate: 0.55%

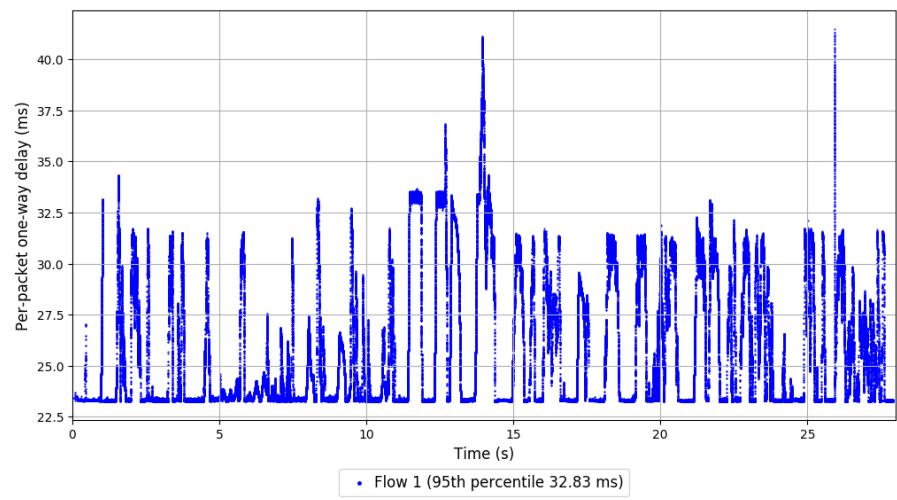
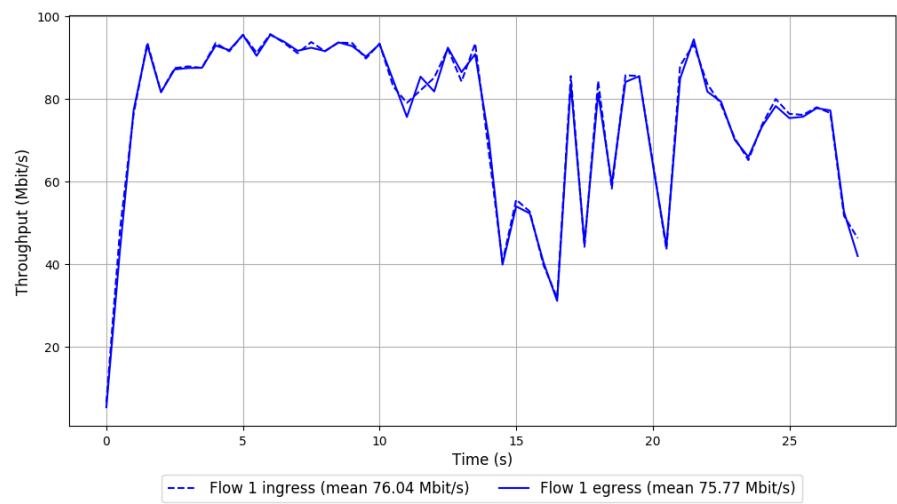
-- Flow 1:

Average throughput: 75.77 Mbit/s

95th percentile per-packet one-way delay: 32.825 ms

Loss rate: 0.55%

Run 6: Report of Copa — Data Link



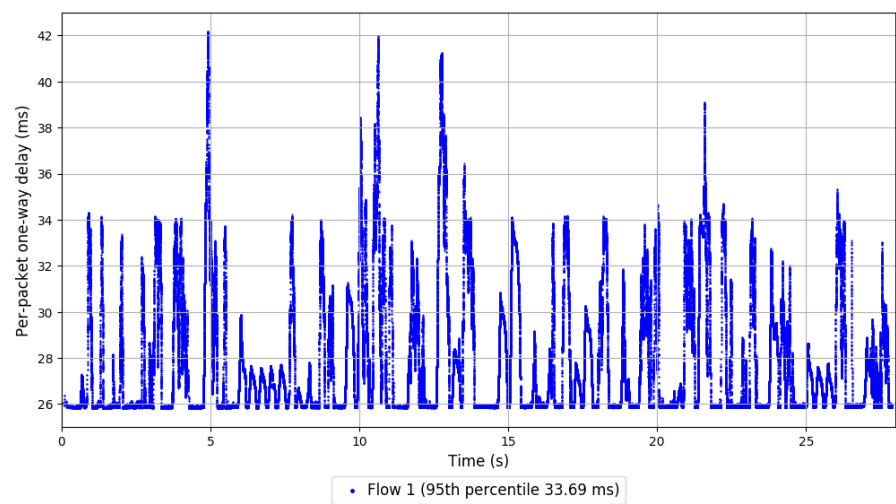
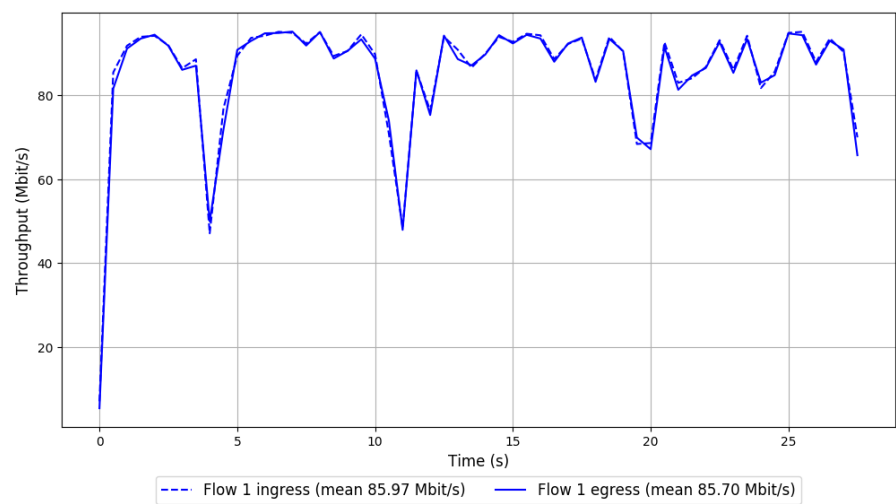
Run 7: Statistics of Copa

Start at: 2017-11-21 01:37:19  
End at: 2017-11-21 01:37:49  
Local clock offset: 1.486 ms  
Remote clock offset: -2.425 ms

# Below is generated by plot.py at 2017-11-21 06:19:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.70 Mbit/s  
95th percentile per-packet one-way delay: 33.691 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 85.70 Mbit/s  
95th percentile per-packet one-way delay: 33.691 ms  
Loss rate: 0.51%



Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2017-11-21 01:57:49

End at: 2017-11-21 01:58:19

Local clock offset: 0.81 ms

Remote clock offset: 0.184 ms

# Below is generated by plot.py at 2017-11-21 06:19:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.11 Mbit/s

95th percentile per-packet one-way delay: 33.362 ms

Loss rate: 1.40%

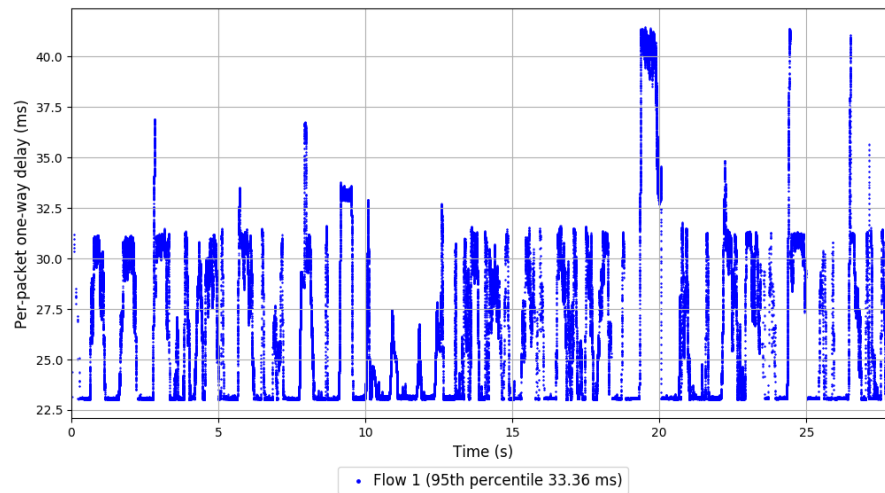
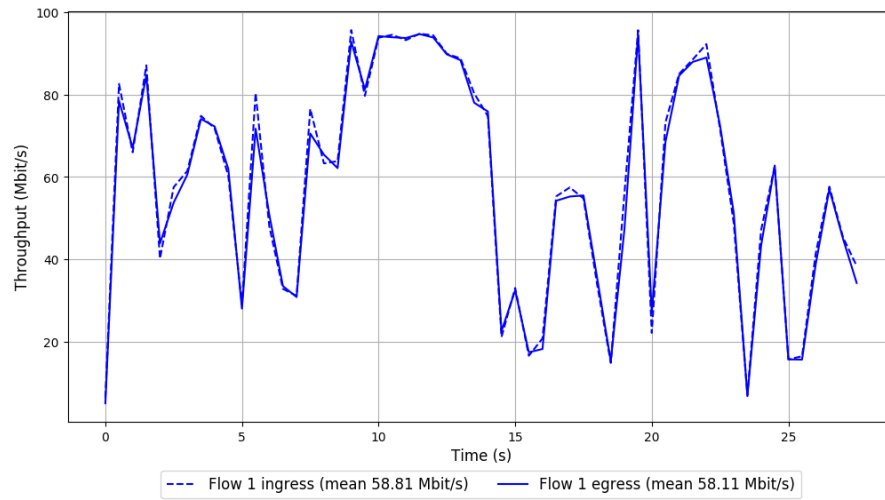
-- Flow 1:

Average throughput: 58.11 Mbit/s

95th percentile per-packet one-way delay: 33.362 ms

Loss rate: 1.40%

## Run 8: Report of Copa — Data Link

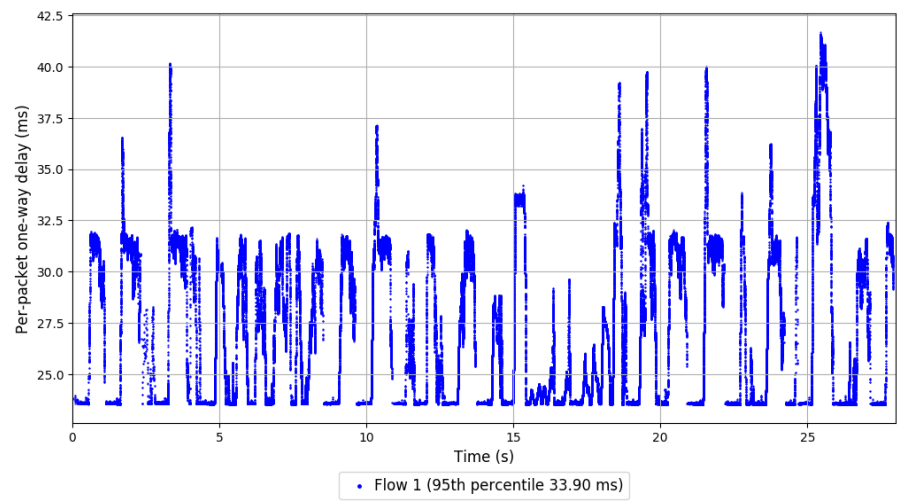
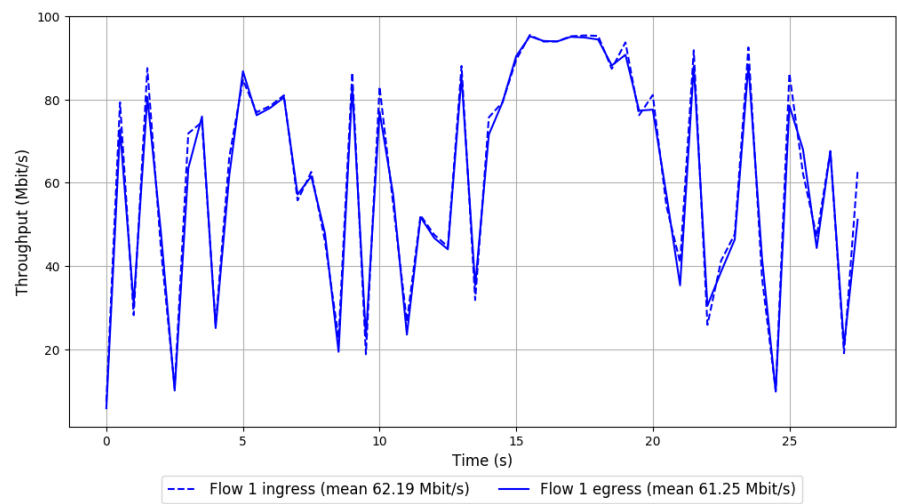


Run 9: Statistics of Copa

Start at: 2017-11-21 02:17:46  
End at: 2017-11-21 02:18:16  
Local clock offset: 0.901 ms  
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2017-11-21 06:19:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 61.25 Mbit/s  
95th percentile per-packet one-way delay: 33.904 ms  
Loss rate: 1.69%  
-- Flow 1:  
Average throughput: 61.25 Mbit/s  
95th percentile per-packet one-way delay: 33.904 ms  
Loss rate: 1.69%

Run 9: Report of Copa — Data Link

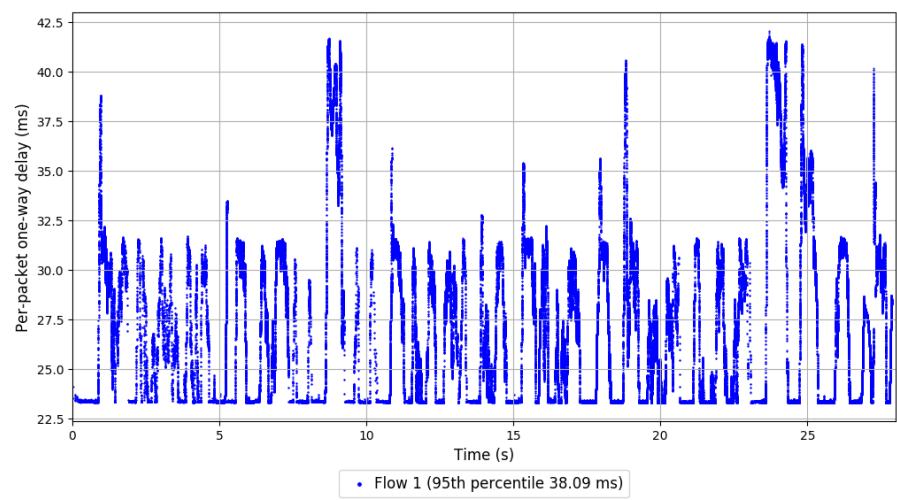
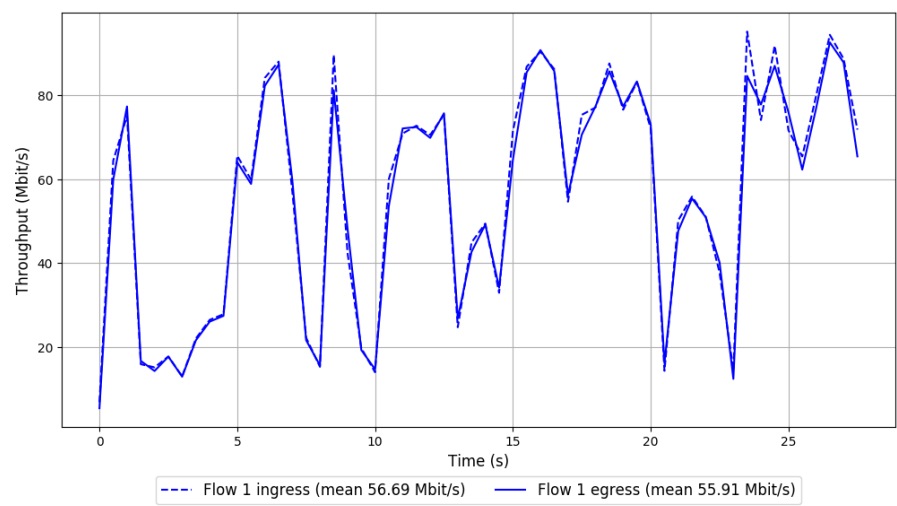


Run 10: Statistics of Copa

Start at: 2017-11-21 02:37:26  
End at: 2017-11-21 02:37:56  
Local clock offset: 1.32 ms  
Remote clock offset: -0.526 ms

# Below is generated by plot.py at 2017-11-21 06:19:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 55.91 Mbit/s  
95th percentile per-packet one-way delay: 38.089 ms  
Loss rate: 1.57%  
-- Flow 1:  
Average throughput: 55.91 Mbit/s  
95th percentile per-packet one-way delay: 38.089 ms  
Loss rate: 1.57%

Run 10: Report of Copa — Data Link



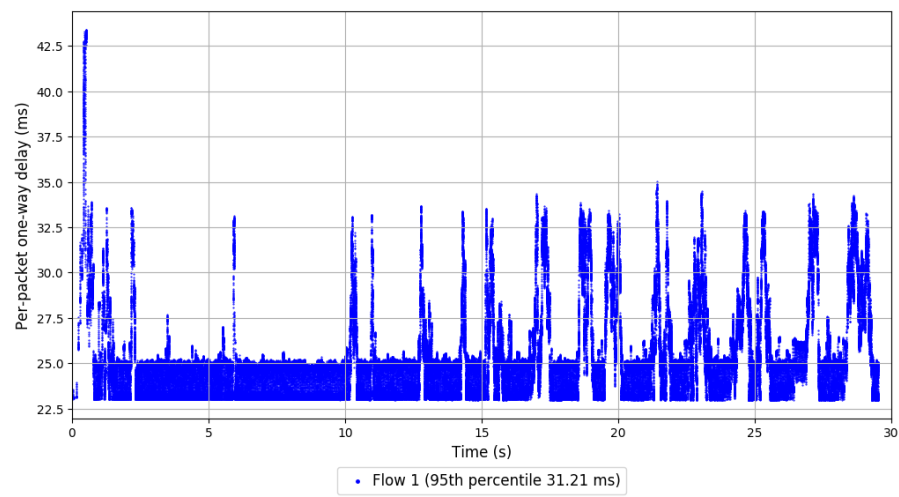
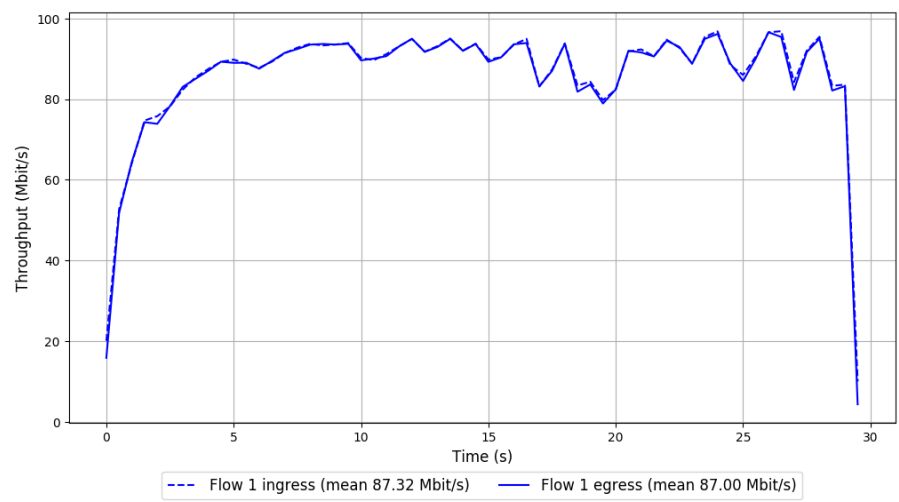
```
Run 1: Statistics of Indigo

Start at: 2017-11-20 23:29:35
End at: 2017-11-20 23:30:05
Local clock offset: 1.984 ms
Remote clock offset: 1.555 ms

# Below is generated by plot.py at 2017-11-21 06:19:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.00 Mbit/s
95th percentile per-packet one-way delay: 31.210 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 87.00 Mbit/s
95th percentile per-packet one-way delay: 31.210 ms
Loss rate: 0.56%
```



Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2017-11-20 23:48:03

End at: 2017-11-20 23:48:33

Local clock offset: 1.505 ms

Remote clock offset: 0.338 ms

# Below is generated by plot.py at 2017-11-21 06:19:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.15 Mbit/s

95th percentile per-packet one-way delay: 31.283 ms

Loss rate: 0.49%

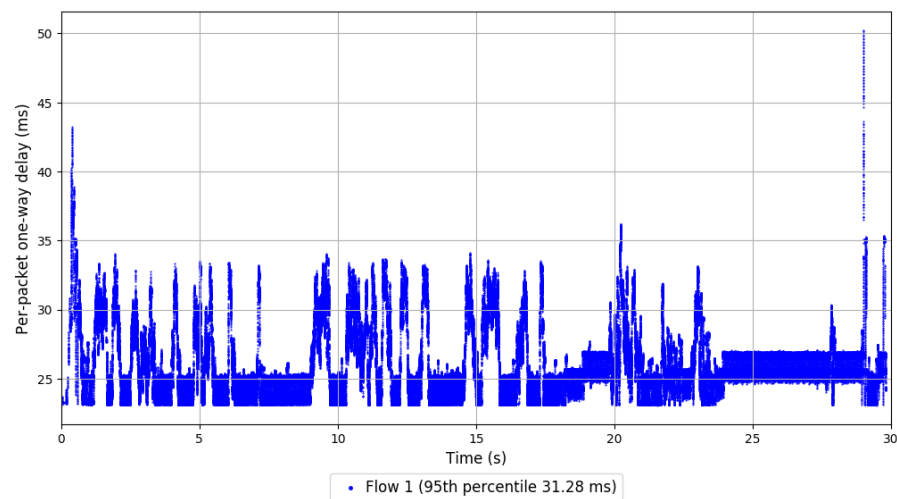
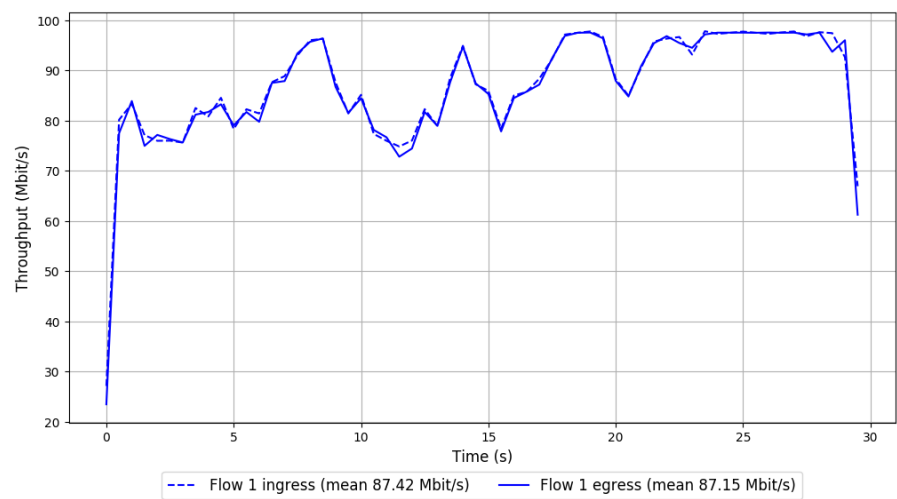
-- Flow 1:

Average throughput: 87.15 Mbit/s

95th percentile per-packet one-way delay: 31.283 ms

Loss rate: 0.49%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-11-21 00:06:38

End at: 2017-11-21 00:07:08

Local clock offset: 2.393 ms

Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2017-11-21 06:19:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.35 Mbit/s

95th percentile per-packet one-way delay: 32.215 ms

Loss rate: 0.82%

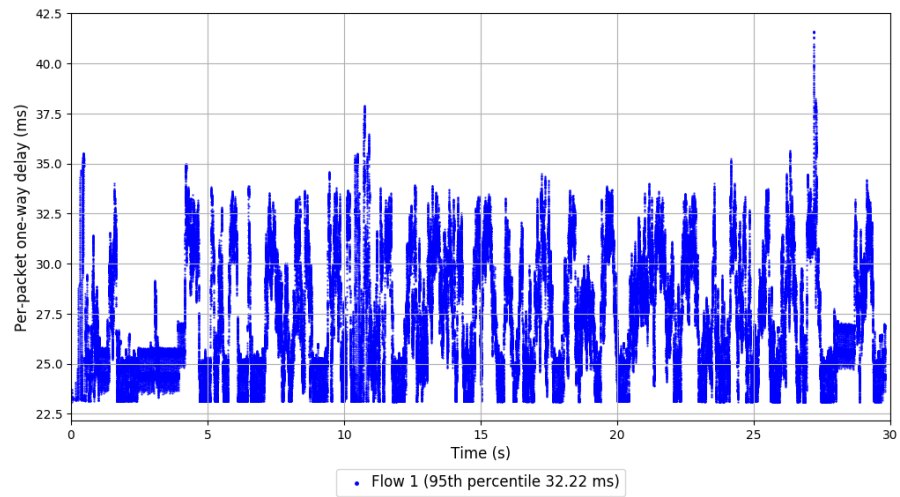
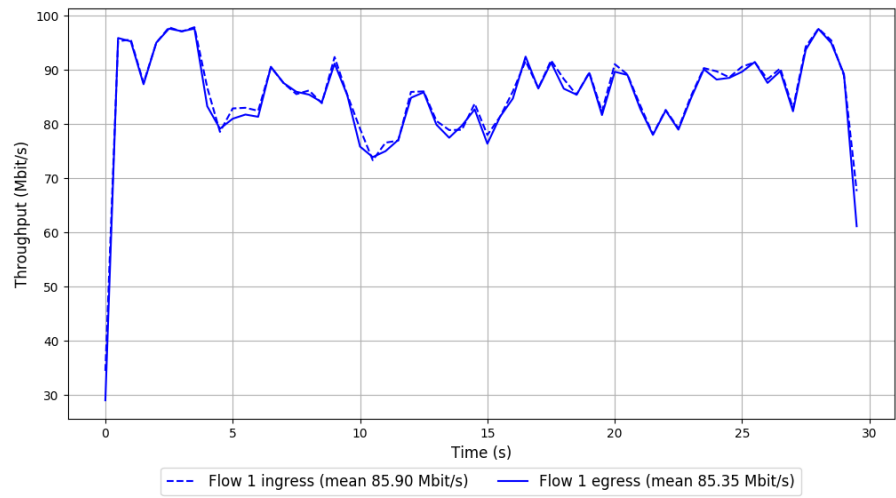
-- Flow 1:

Average throughput: 85.35 Mbit/s

95th percentile per-packet one-way delay: 32.215 ms

Loss rate: 0.82%

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

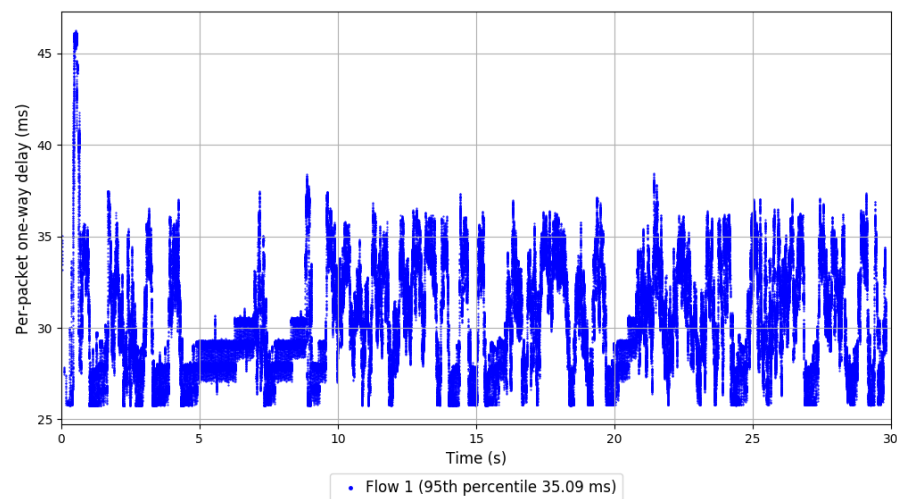
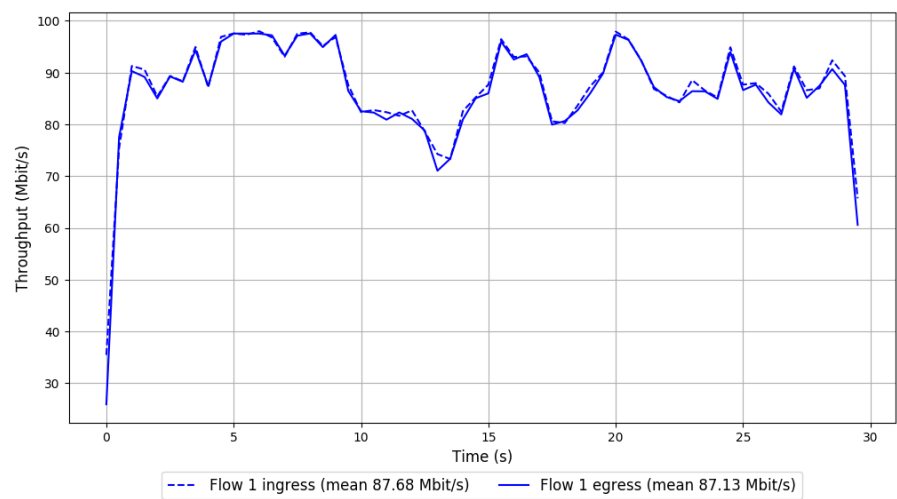


Run 4: Statistics of Indigo

Start at: 2017-11-21 00:25:54  
End at: 2017-11-21 00:26:24  
Local clock offset: 3.436 ms  
Remote clock offset: -2.655 ms

# Below is generated by plot.py at 2017-11-21 06:20:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.13 Mbit/s  
95th percentile per-packet one-way delay: 35.094 ms  
Loss rate: 0.83%  
-- Flow 1:  
Average throughput: 87.13 Mbit/s  
95th percentile per-packet one-way delay: 35.094 ms  
Loss rate: 0.83%

Run 4: Report of Indigo — Data Link



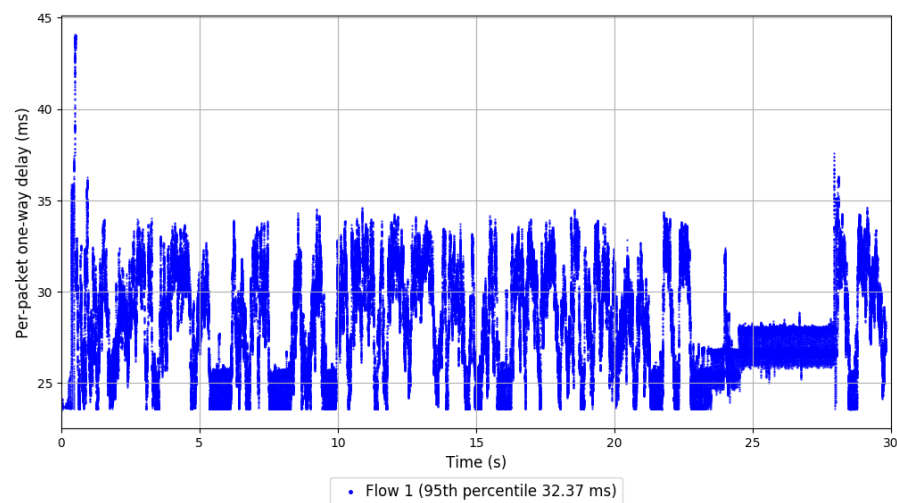
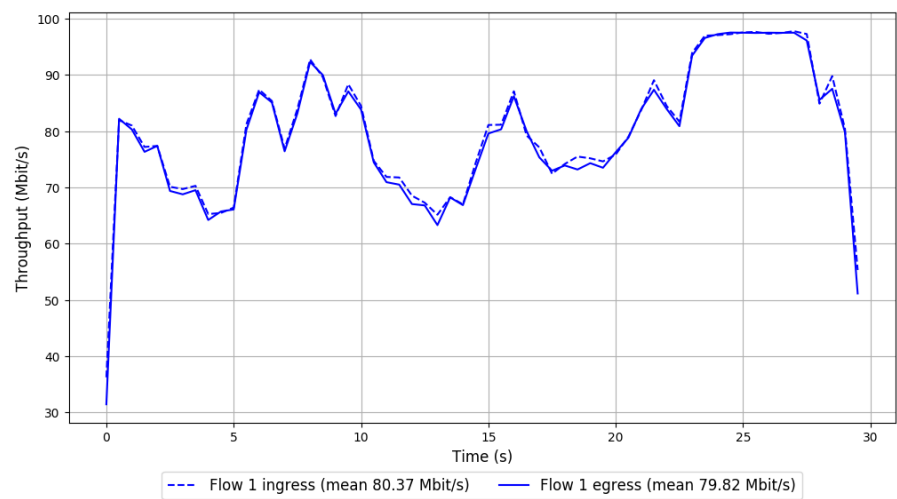
Run 5: Statistics of Indigo

Start at: 2017-11-21 00:44:57  
End at: 2017-11-21 00:45:27  
Local clock offset: 3.325 ms  
Remote clock offset: -0.315 ms

# Below is generated by plot.py at 2017-11-21 06:20:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.82 Mbit/s  
95th percentile per-packet one-way delay: 32.372 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 79.82 Mbit/s  
95th percentile per-packet one-way delay: 32.372 ms  
Loss rate: 0.85%



Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2017-11-21 01:03:39

End at: 2017-11-21 01:04:09

Local clock offset: 2.338 ms

Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2017-11-21 06:20:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.61 Mbit/s

95th percentile per-packet one-way delay: 30.948 ms

Loss rate: 0.33%

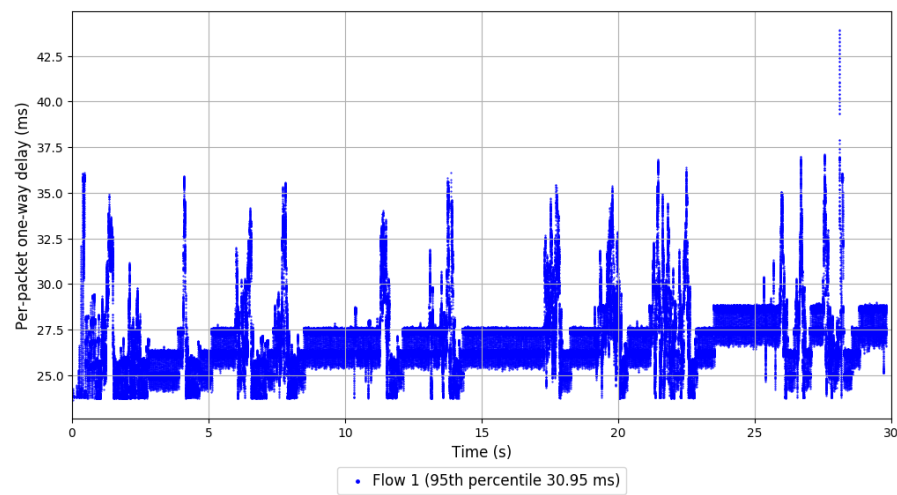
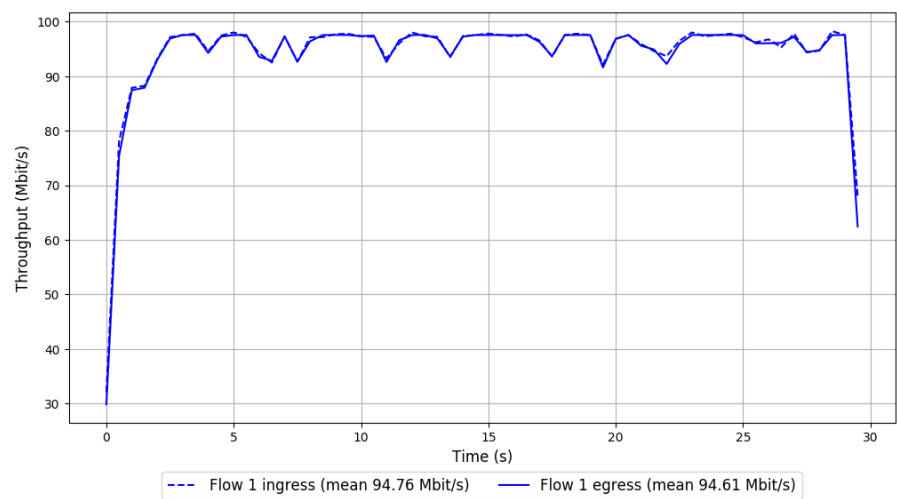
-- Flow 1:

Average throughput: 94.61 Mbit/s

95th percentile per-packet one-way delay: 30.948 ms

Loss rate: 0.33%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2017-11-21 01:23:02

End at: 2017-11-21 01:23:32

Local clock offset: 2.37 ms

Remote clock offset: 0.295 ms

# Below is generated by plot.py at 2017-11-21 06:20:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.06 Mbit/s

95th percentile per-packet one-way delay: 32.095 ms

Loss rate: 1.10%

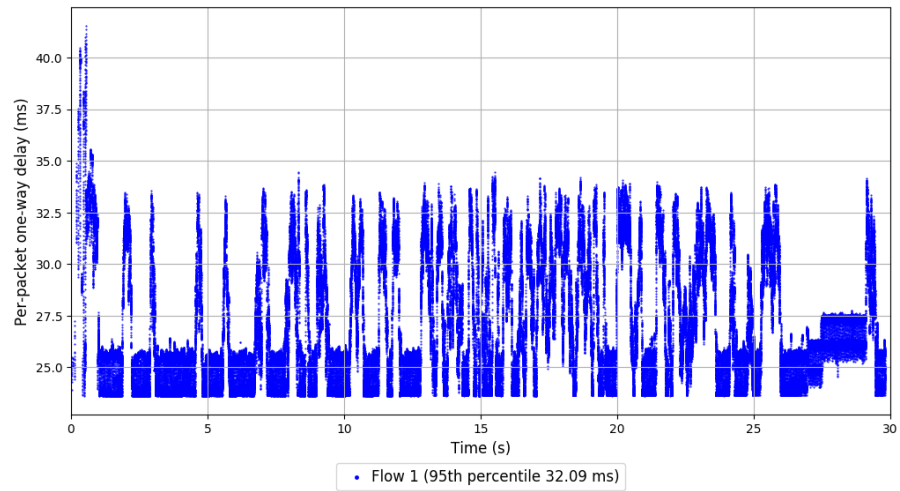
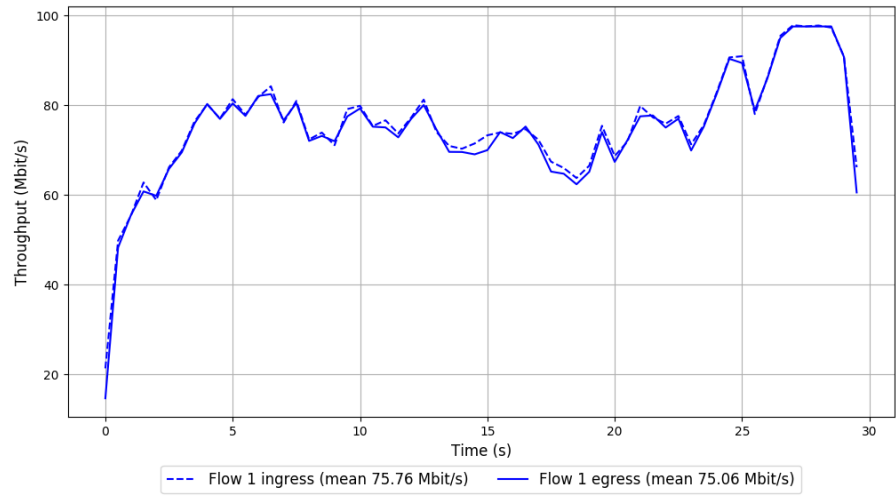
-- Flow 1:

Average throughput: 75.06 Mbit/s

95th percentile per-packet one-way delay: 32.095 ms

Loss rate: 1.10%

## Run 7: Report of Indigo — Data Link

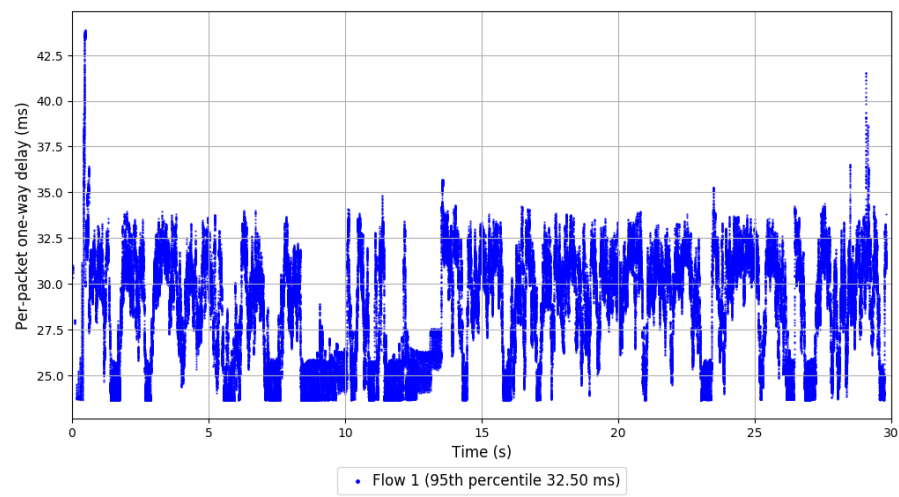
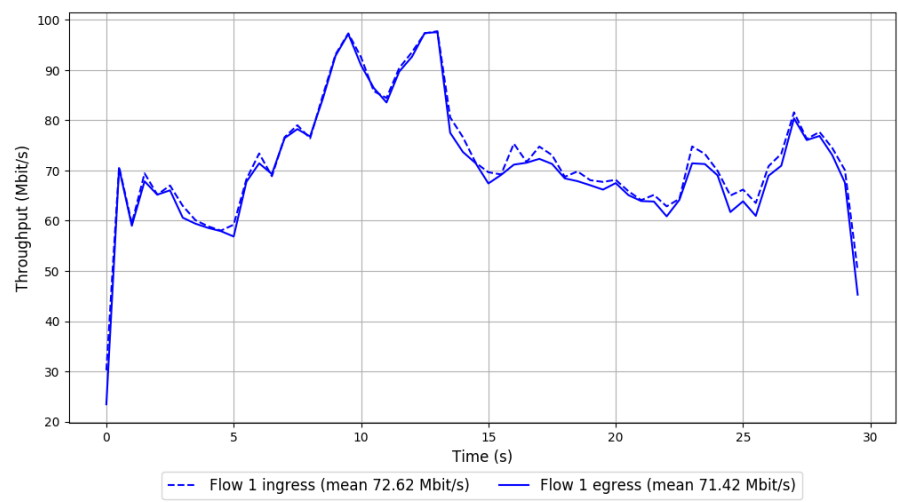


Run 8: Statistics of Indigo

Start at: 2017-11-21 01:42:58  
End at: 2017-11-21 01:43:28  
Local clock offset: 1.039 ms  
Remote clock offset: -0.379 ms

# Below is generated by plot.py at 2017-11-21 06:20:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 71.42 Mbit/s  
95th percentile per-packet one-way delay: 32.496 ms  
Loss rate: 1.84%  
-- Flow 1:  
Average throughput: 71.42 Mbit/s  
95th percentile per-packet one-way delay: 32.496 ms  
Loss rate: 1.84%

Run 8: Report of Indigo — Data Link



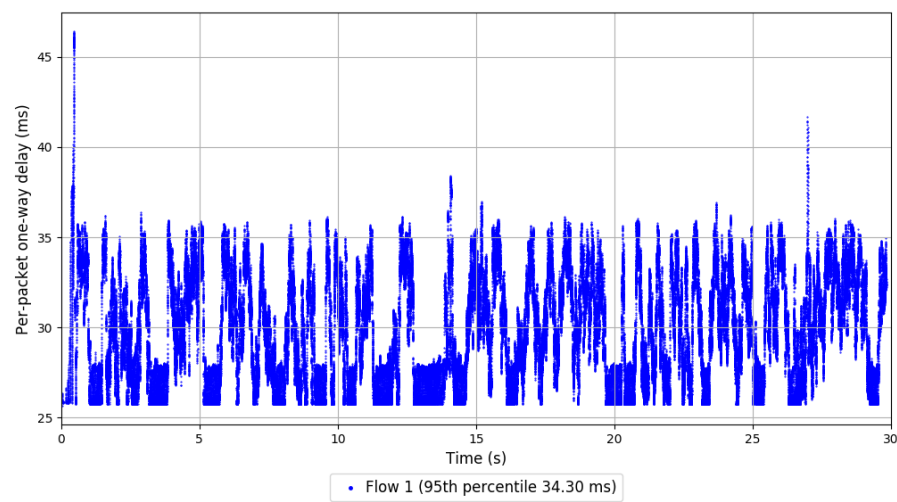
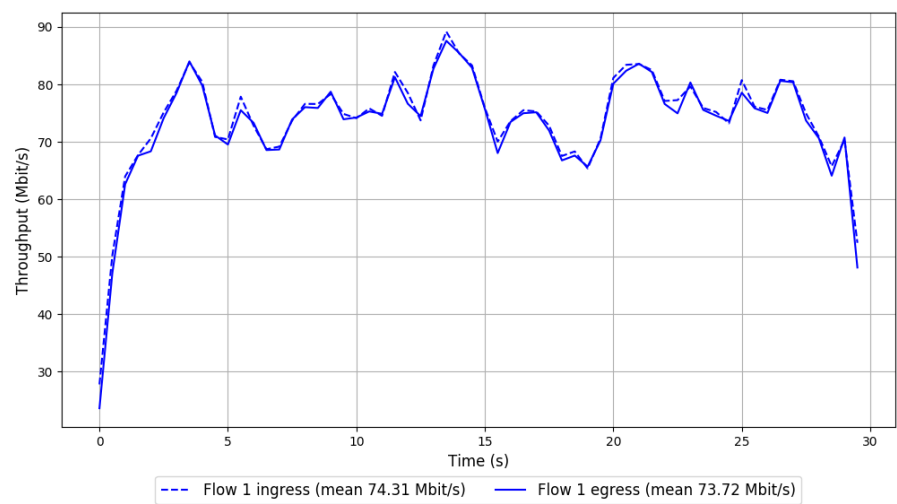
Run 9: Statistics of Indigo

Start at: 2017-11-21 02:03:35  
End at: 2017-11-21 02:04:05  
Local clock offset: 0.901 ms  
Remote clock offset: -2.354 ms

# Below is generated by plot.py at 2017-11-21 06:20:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 73.72 Mbit/s  
95th percentile per-packet one-way delay: 34.300 ms  
Loss rate: 0.97%  
-- Flow 1:  
Average throughput: 73.72 Mbit/s  
95th percentile per-packet one-way delay: 34.300 ms  
Loss rate: 0.97%



Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-11-21 02:23:24

End at: 2017-11-21 02:23:54

Local clock offset: 0.993 ms

Remote clock offset: -0.272 ms

# Below is generated by plot.py at 2017-11-21 06:20:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.27 Mbit/s

95th percentile per-packet one-way delay: 32.400 ms

Loss rate: 1.63%

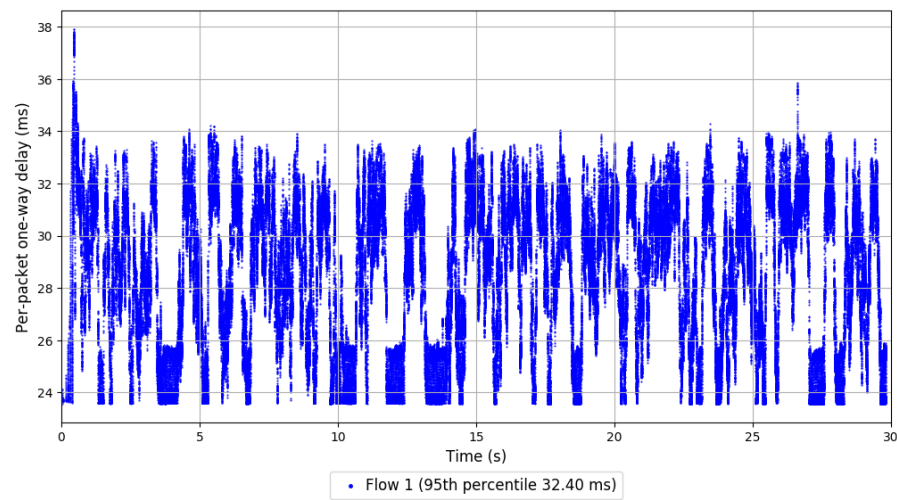
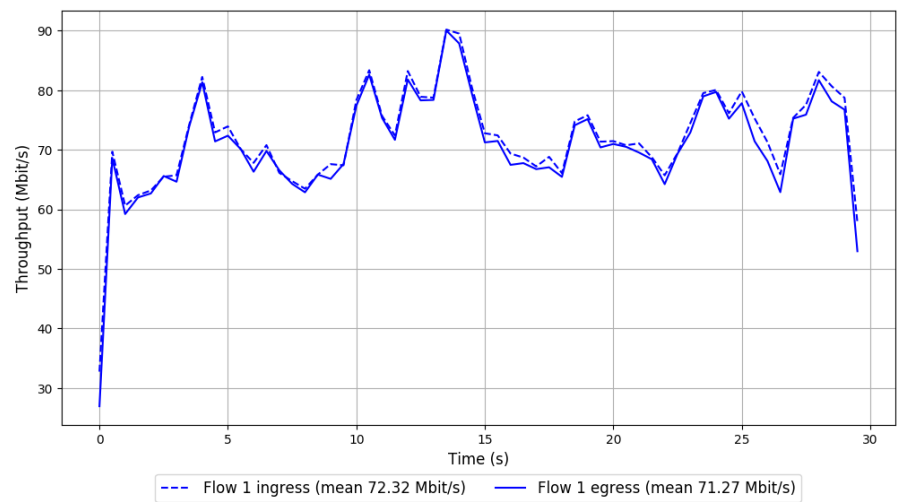
-- Flow 1:

Average throughput: 71.27 Mbit/s

95th percentile per-packet one-way delay: 32.400 ms

Loss rate: 1.63%

Run 10: Report of Indigo — Data Link

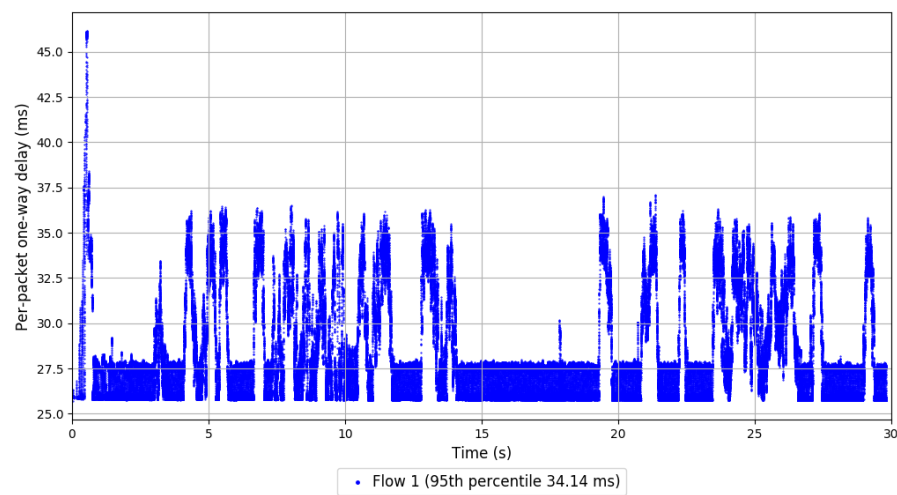
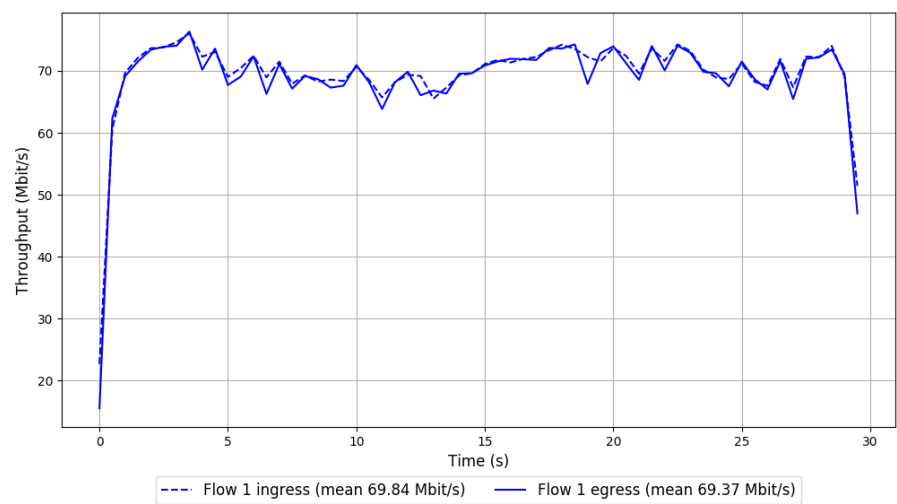


```
Run 1: Statistics of Indigo-calib

Start at: 2017-11-20 23:40:00
End at: 2017-11-20 23:40:30
Local clock offset: 1.25 ms
Remote clock offset: -1.786 ms

# Below is generated by plot.py at 2017-11-21 06:20:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.37 Mbit/s
95th percentile per-packet one-way delay: 34.137 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 69.37 Mbit/s
95th percentile per-packet one-way delay: 34.137 ms
Loss rate: 0.85%
```

Run 1: Report of Indigo-calib — Data Link

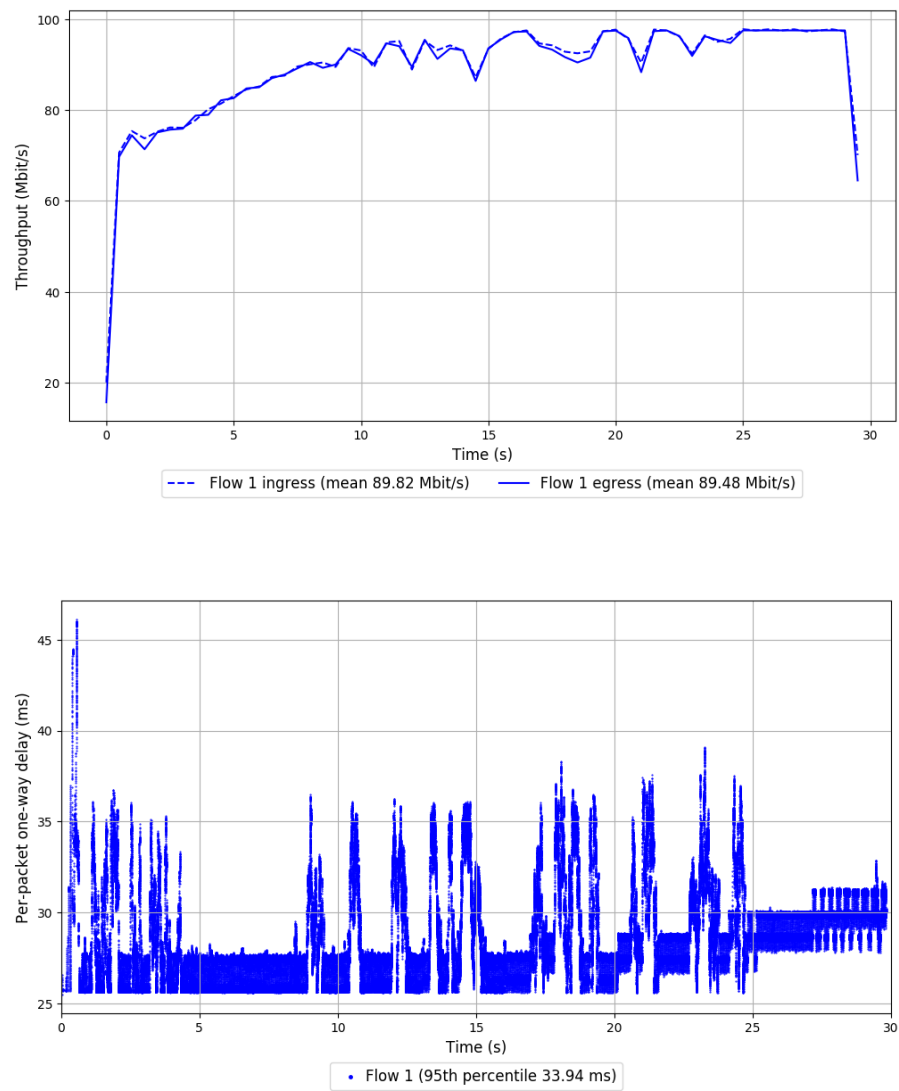


```
Run 2: Statistics of Indigo-calib

Start at: 2017-11-20 23:58:33
End at: 2017-11-20 23:59:03
Local clock offset: 1.795 ms
Remote clock offset: -2.472 ms

# Below is generated by plot.py at 2017-11-21 06:21:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.48 Mbit/s
95th percentile per-packet one-way delay: 33.939 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 89.48 Mbit/s
95th percentile per-packet one-way delay: 33.939 ms
Loss rate: 0.57%
```

Run 2: Report of Indigo-calib — Data Link



Run 3: Statistics of Indigo-calib

Start at: 2017-11-21 00:17:30

End at: 2017-11-21 00:18:00

Local clock offset: 3.206 ms

Remote clock offset: -0.021 ms

# Below is generated by plot.py at 2017-11-21 06:21:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 64.69 Mbit/s

95th percentile per-packet one-way delay: 31.203 ms

Loss rate: 0.72%

-- Flow 1:

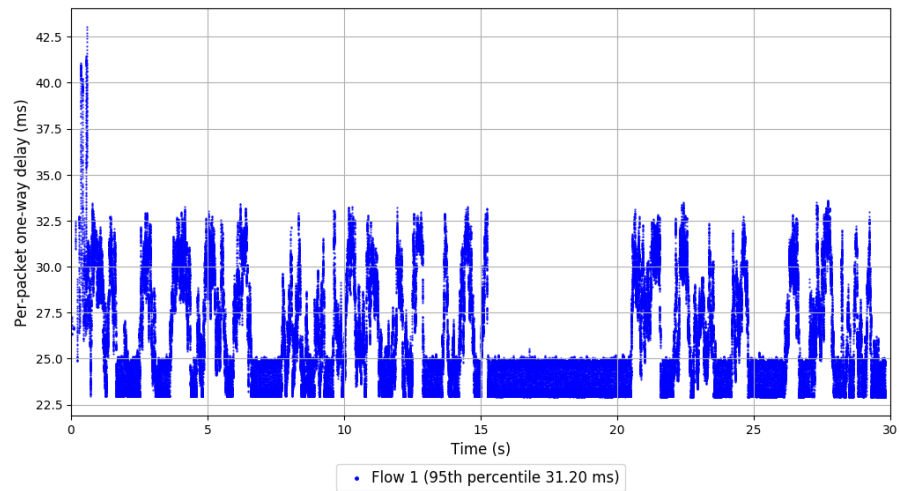
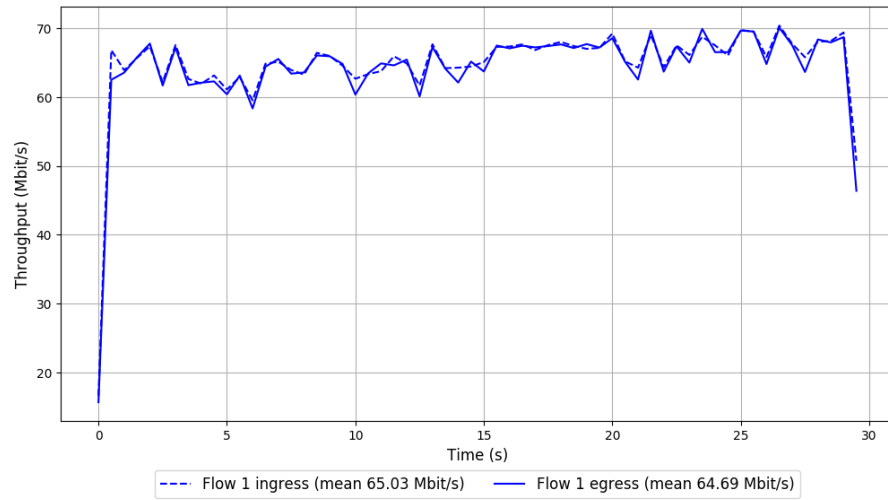
Average throughput: 64.69 Mbit/s

95th percentile per-packet one-way delay: 31.203 ms

Loss rate: 0.72%



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

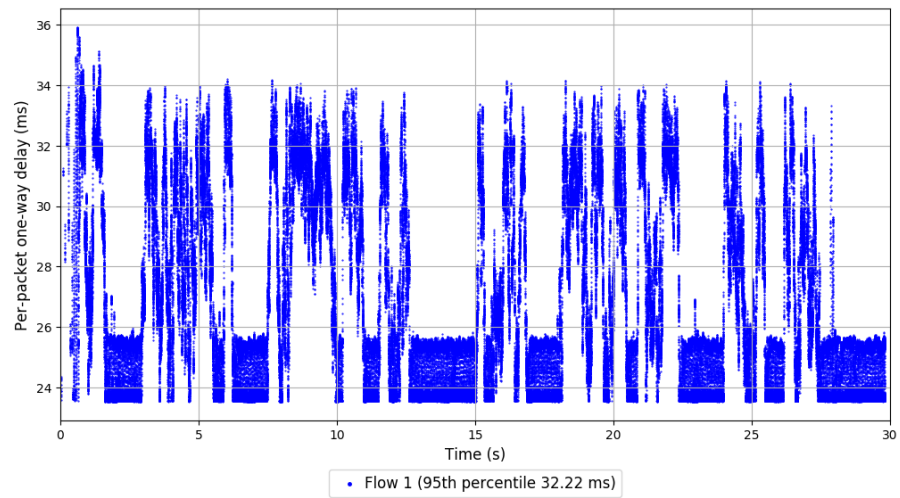
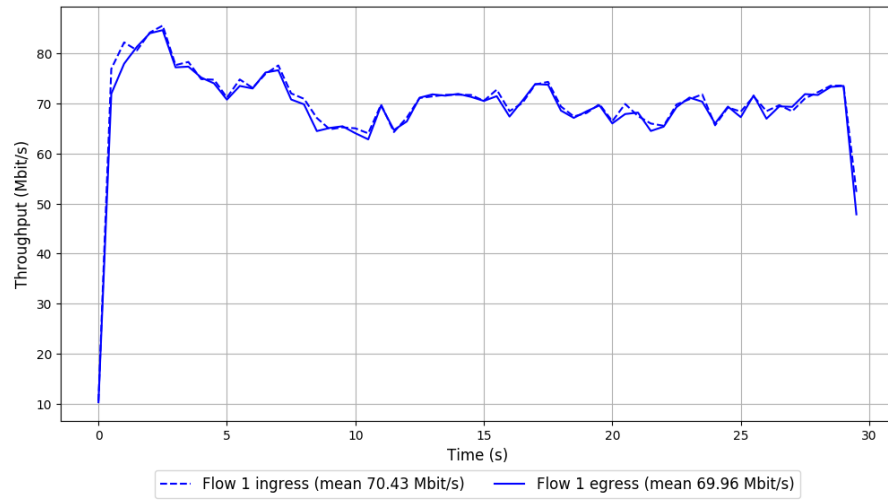


Run 4: Statistics of Indigo-calib

Start at: 2017-11-21 00:36:39  
End at: 2017-11-21 00:37:09  
Local clock offset: 3.132 ms  
Remote clock offset: -0.389 ms

# Below is generated by plot.py at 2017-11-21 06:21:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 69.96 Mbit/s  
95th percentile per-packet one-way delay: 32.219 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 69.96 Mbit/s  
95th percentile per-packet one-way delay: 32.219 ms  
Loss rate: 0.85%

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



Run 5: Statistics of Indigo-calib

Start at: 2017-11-21 00:55:35

End at: 2017-11-21 00:56:05

Local clock offset: 2.748 ms

Remote clock offset: 0.344 ms

# Below is generated by plot.py at 2017-11-21 06:21:51

# Datalink statistics

-- Total of 1 flow:

Average throughput: 81.68 Mbit/s

95th percentile per-packet one-way delay: 31.601 ms

Loss rate: 0.62%

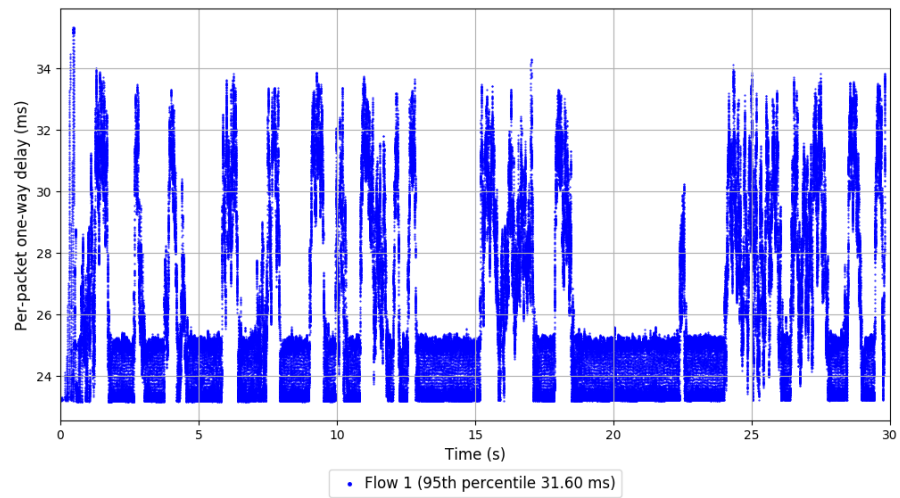
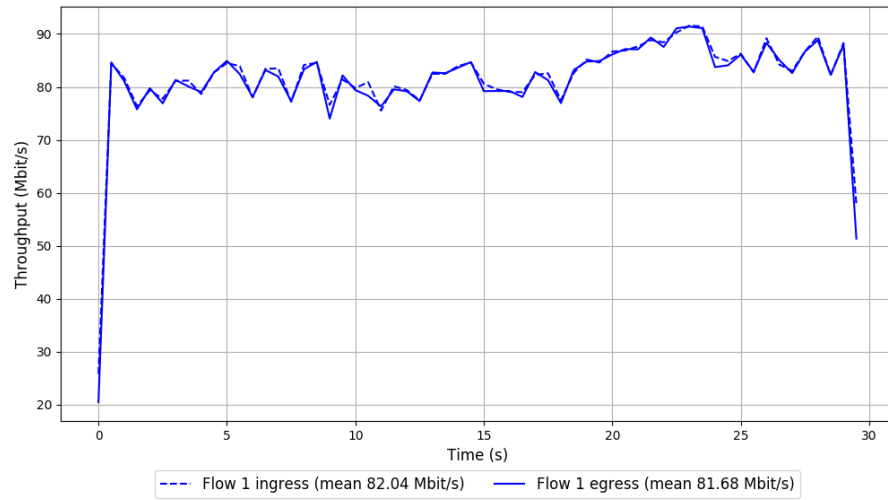
-- Flow 1:

Average throughput: 81.68 Mbit/s

95th percentile per-packet one-way delay: 31.601 ms

Loss rate: 0.62%

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



Run 6: Statistics of Indigo-calib

Start at: 2017-11-21 01:14:24

End at: 2017-11-21 01:14:54

Local clock offset: 2.146 ms

Remote clock offset: 0.753 ms

# Below is generated by plot.py at 2017-11-21 06:21:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.20 Mbit/s

95th percentile per-packet one-way delay: 32.059 ms

Loss rate: 0.70%

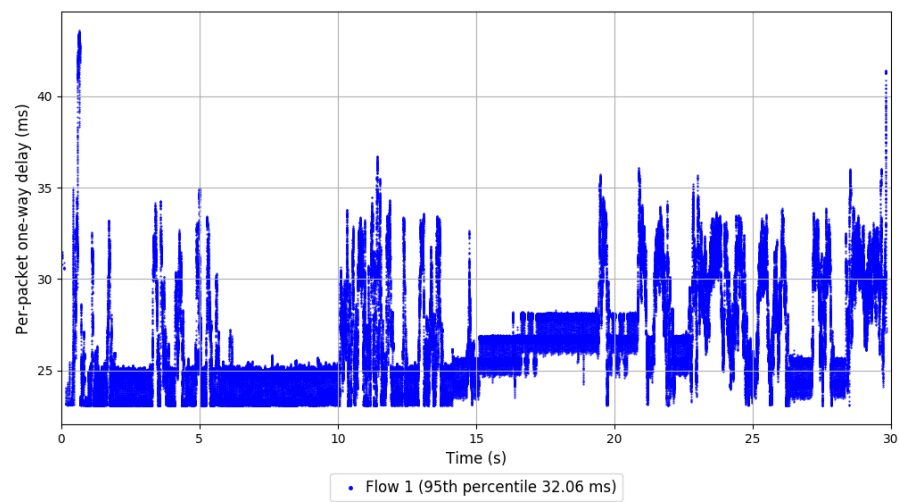
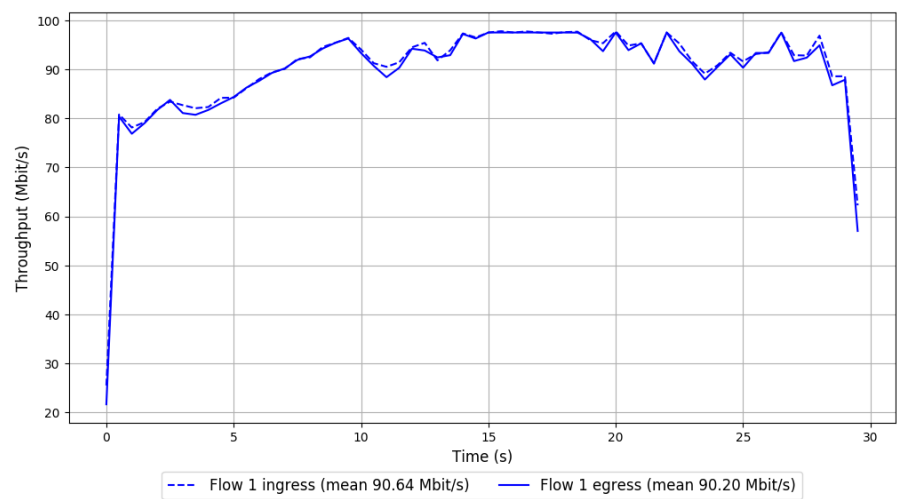
-- Flow 1:

Average throughput: 90.20 Mbit/s

95th percentile per-packet one-way delay: 32.059 ms

Loss rate: 0.70%

Run 6: Report of Indigo-calib — Data Link



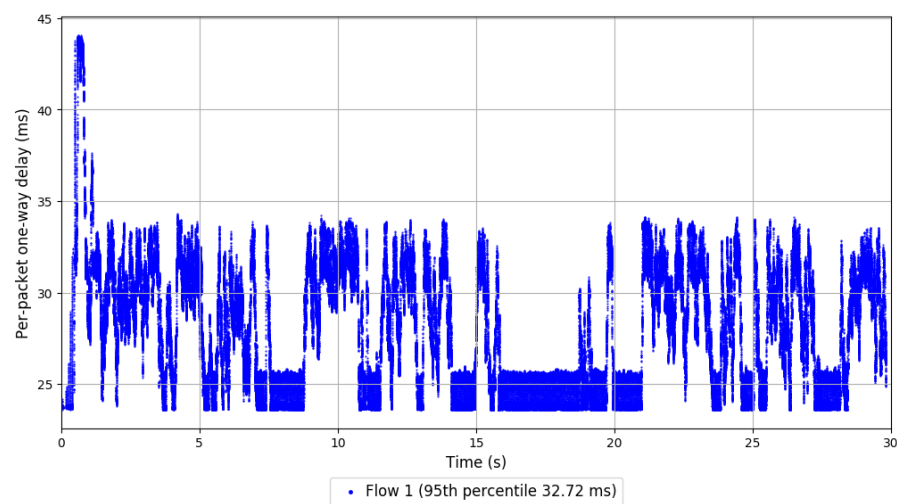
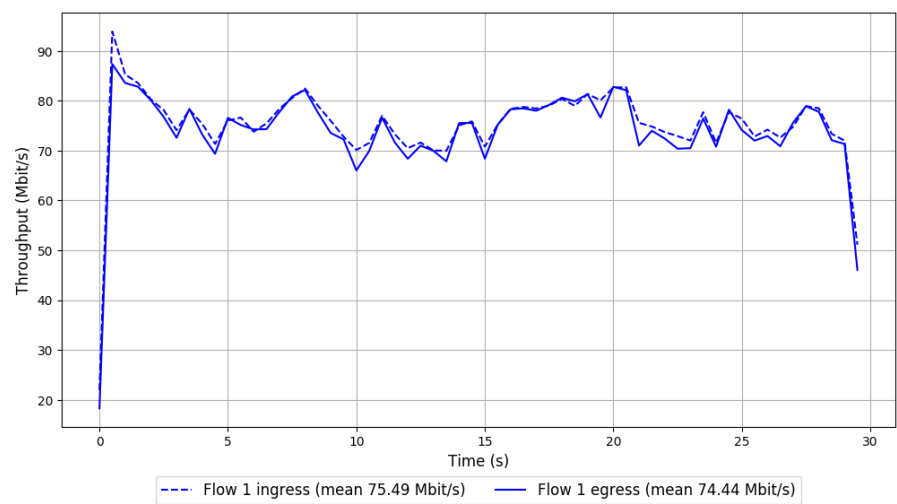
Run 7: Statistics of Indigo-calib

Start at: 2017-11-21 01:34:02  
End at: 2017-11-21 01:34:32  
Local clock offset: 1.606 ms  
Remote clock offset: -0.298 ms

# Below is generated by plot.py at 2017-11-21 06:21:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.44 Mbit/s  
95th percentile per-packet one-way delay: 32.720 ms  
Loss rate: 1.56%  
-- Flow 1:  
Average throughput: 74.44 Mbit/s  
95th percentile per-packet one-way delay: 32.720 ms  
Loss rate: 1.56%



Run 7: Report of Indigo-calib — Data Link

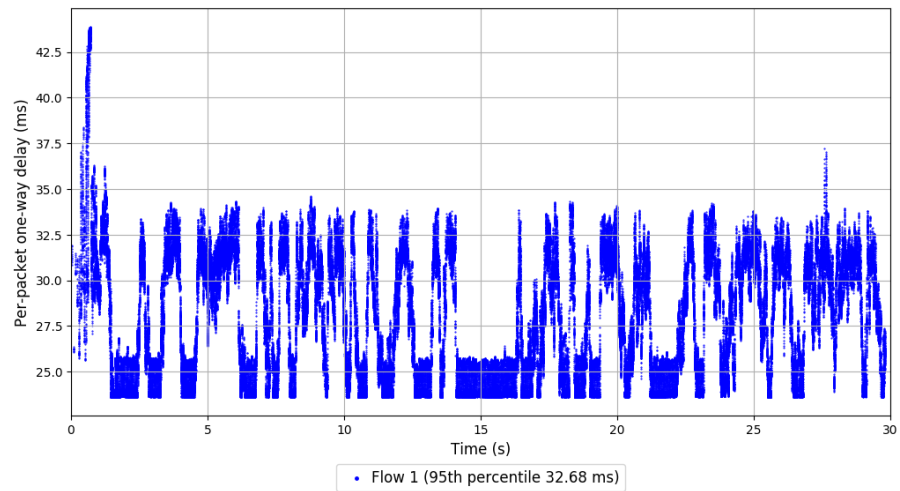
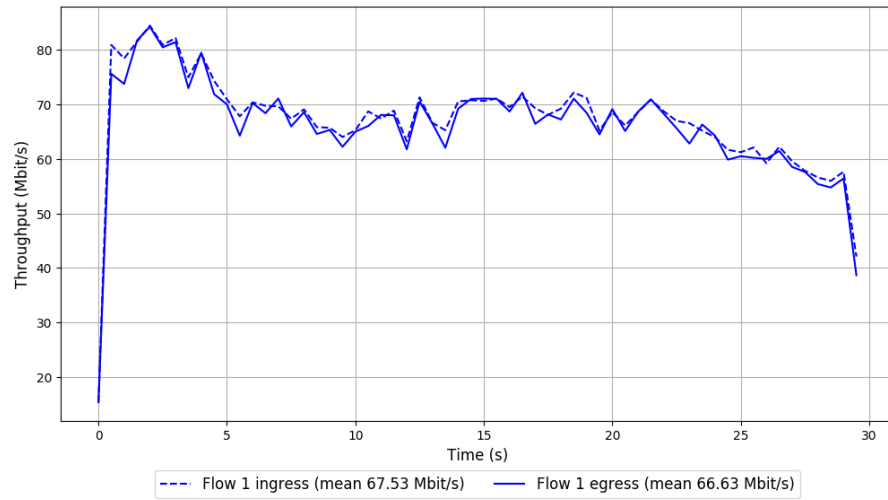


Run 8: Statistics of Indigo-calib

Start at: 2017-11-21 01:54:15  
End at: 2017-11-21 01:54:45  
Local clock offset: 0.911 ms  
Remote clock offset: -0.373 ms

# Below is generated by plot.py at 2017-11-21 06:21:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 66.63 Mbit/s  
95th percentile per-packet one-way delay: 32.678 ms  
Loss rate: 1.52%  
-- Flow 1:  
Average throughput: 66.63 Mbit/s  
95th percentile per-packet one-way delay: 32.678 ms  
Loss rate: 1.52%

# Run 8: Report of Indigo-calib — Data Link



Run 9: Statistics of Indigo-calib

Start at: 2017-11-21 02:14:37

End at: 2017-11-21 02:15:07

Local clock offset: 0.963 ms

Remote clock offset: -2.157 ms

# Below is generated by plot.py at 2017-11-21 06:21:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 55.26 Mbit/s

95th percentile per-packet one-way delay: 34.247 ms

Loss rate: 1.35%

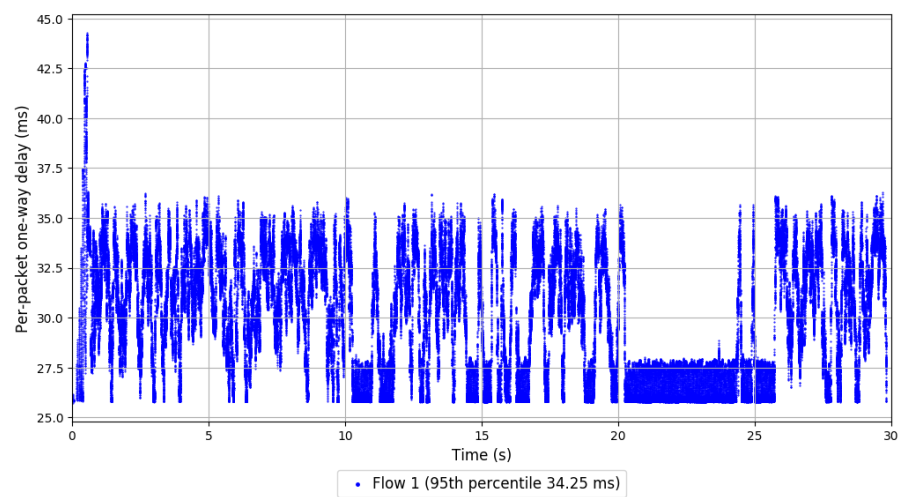
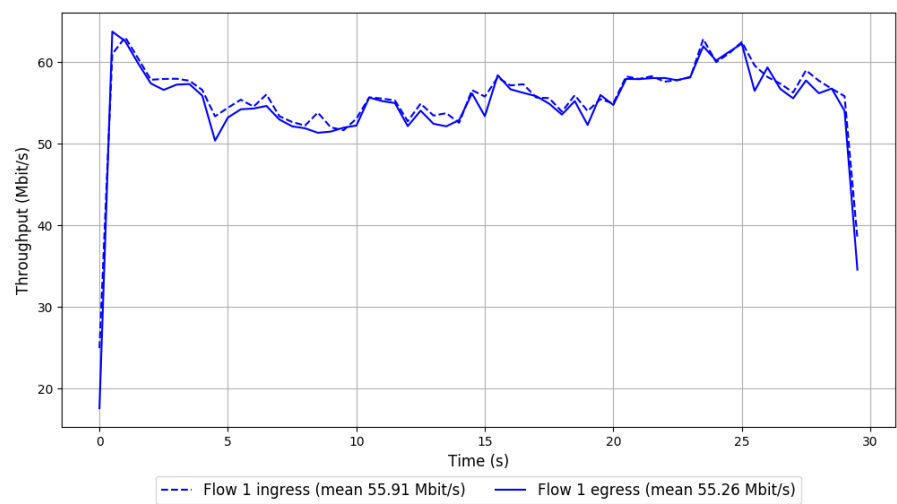
-- Flow 1:

Average throughput: 55.26 Mbit/s

95th percentile per-packet one-way delay: 34.247 ms

Loss rate: 1.35%

Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-11-21 02:34:25

End at: 2017-11-21 02:34:56

Local clock offset: 1.269 ms

Remote clock offset: -2.931 ms

# Below is generated by plot.py at 2017-11-21 06:21:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 63.48 Mbit/s

95th percentile per-packet one-way delay: 34.458 ms

Loss rate: 1.28%

-- Flow 1:

Average throughput: 63.48 Mbit/s

95th percentile per-packet one-way delay: 34.458 ms

Loss rate: 1.28%

Run 10: Report of Indigo-calib — Data Link

