

## Pantheon Report

Generated at 2017-09-21 22:40:22 (UTC).

Data path: China Ethernet (*remote*) → AWS Korea 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).

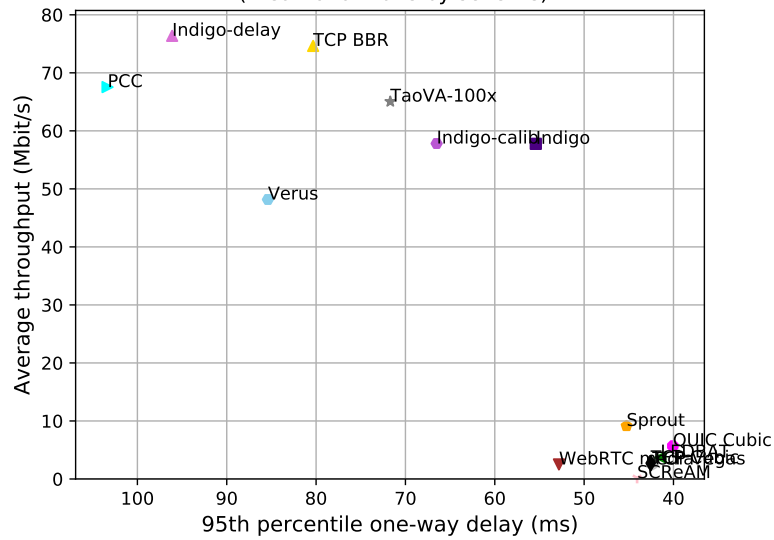
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

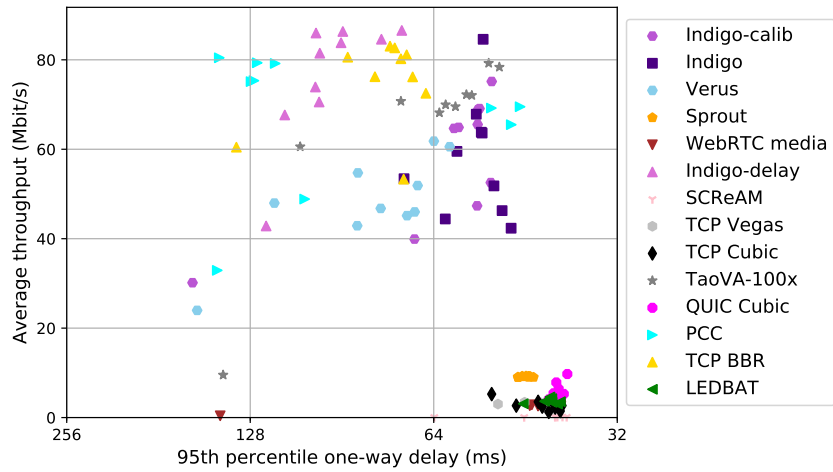
Git summary:

```
branch: indigos @ 46c7c812d4acb71eea4f5fb0b03b3657cea3062f
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
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 @ 03455460fd1a8ffbdad86fabb936fdca204b80db
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 China Ethernet to AWS Korea Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from China Ethernet to AWS Korea 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	74.64	80.33	2.23
TCP Cubic	10	2.72	42.55	0.86
LEDBAT	8	3.71	41.47	0.87
PCC	10	67.55	103.34	5.76
QUIC Cubic	10	5.69	40.07	0.80
SCReAM	7	0.16	44.07	0.53
WebRTC media	9	2.51	52.82	1.16
Sprout	10	9.14	45.26	0.82
TaoVA-100x	10	65.04	71.70	4.79
TCP Vegas	10	2.51	42.37	0.84
Verus	10	48.17	85.39	1.75
Indigo	10	57.77	55.41	1.13
Indigo-calib	10	57.82	66.51	2.05
Indigo-delay	10	76.38	96.11	1.32

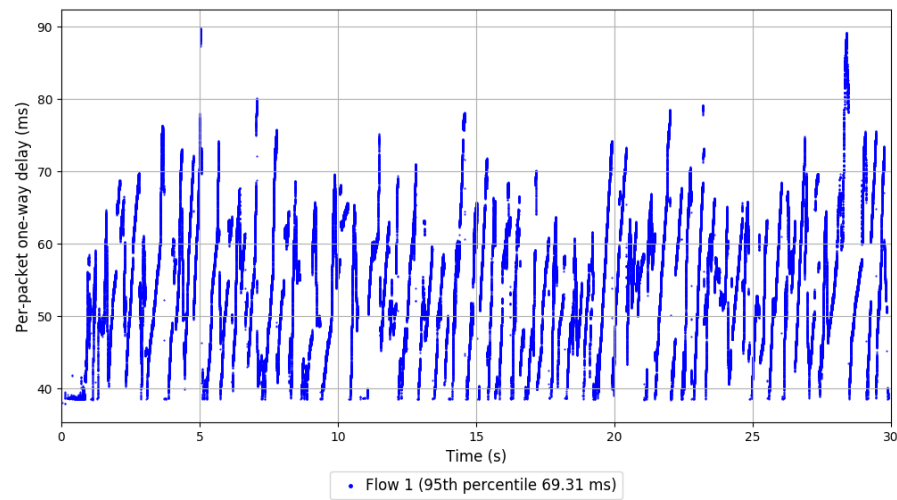
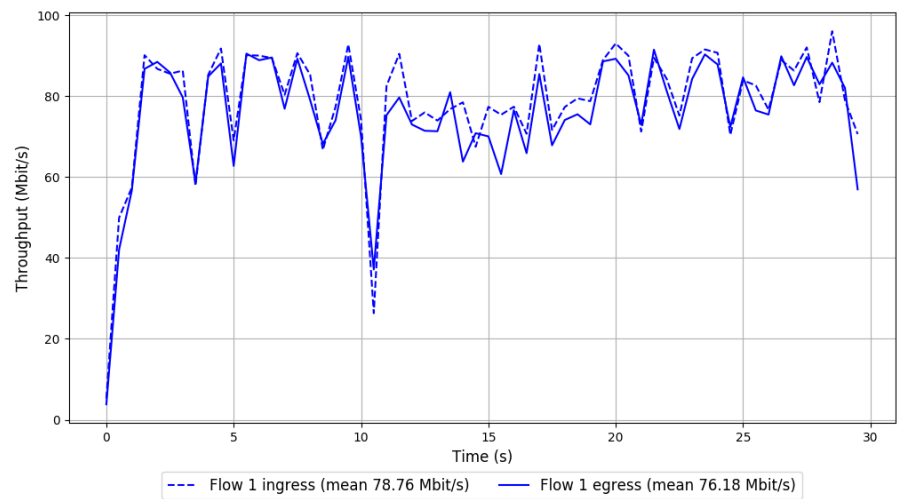
Run 1: Statistics of TCP BBR

Start at: 2017-09-21 19:13:21  
End at: 2017-09-21 19:13:51  
Local clock offset: -3.735 ms  
Remote clock offset: -0.298 ms

# Below is generated by plot.py at 2017-09-21 22:31:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.18 Mbit/s  
95th percentile per-packet one-way delay: 69.310 ms  
Loss rate: 3.54%  
-- Flow 1:  
Average throughput: 76.18 Mbit/s  
95th percentile per-packet one-way delay: 69.310 ms  
Loss rate: 3.54%



Run 1: Report of TCP BBR — Data Link

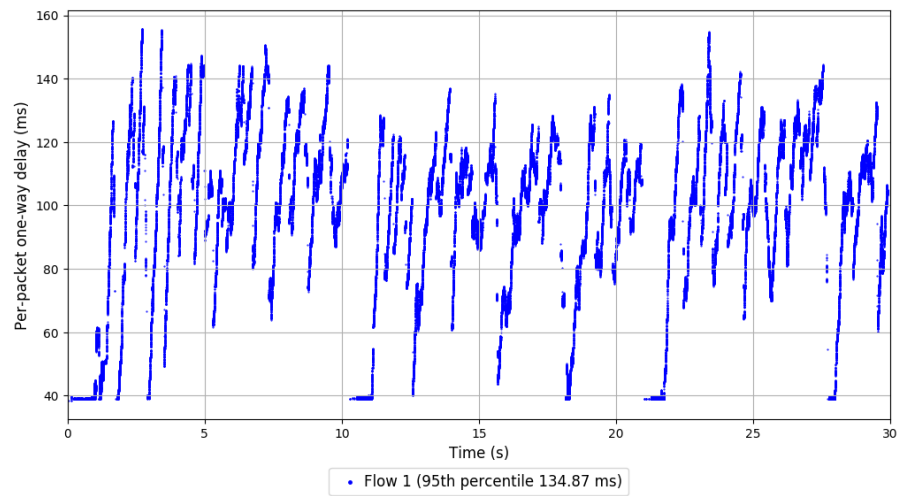
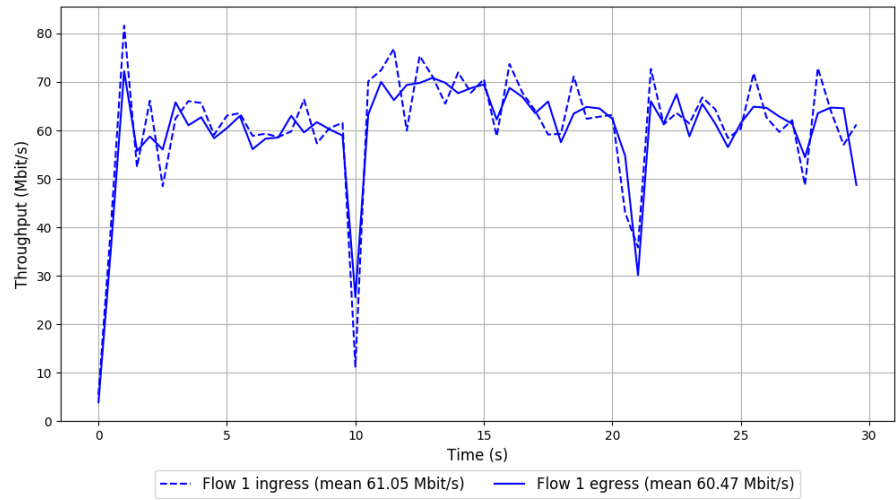


Run 2: Statistics of TCP BBR

Start at: 2017-09-21 19:32:25  
End at: 2017-09-21 19:32:55  
Local clock offset: -4.02 ms  
Remote clock offset: -0.097 ms

# Below is generated by plot.py at 2017-09-21 22:31:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 60.47 Mbit/s  
95th percentile per-packet one-way delay: 134.868 ms  
Loss rate: 1.24%  
-- Flow 1:  
Average throughput: 60.47 Mbit/s  
95th percentile per-packet one-way delay: 134.868 ms  
Loss rate: 1.24%

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



Run 3: Statistics of TCP BBR

Start at: 2017-09-21 19:52:05

End at: 2017-09-21 19:52:35

Local clock offset: -4.433 ms

Remote clock offset: 0.067 ms

# Below is generated by plot.py at 2017-09-21 22:31:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.59 Mbit/s

95th percentile per-packet one-way delay: 88.568 ms

Loss rate: 2.14%

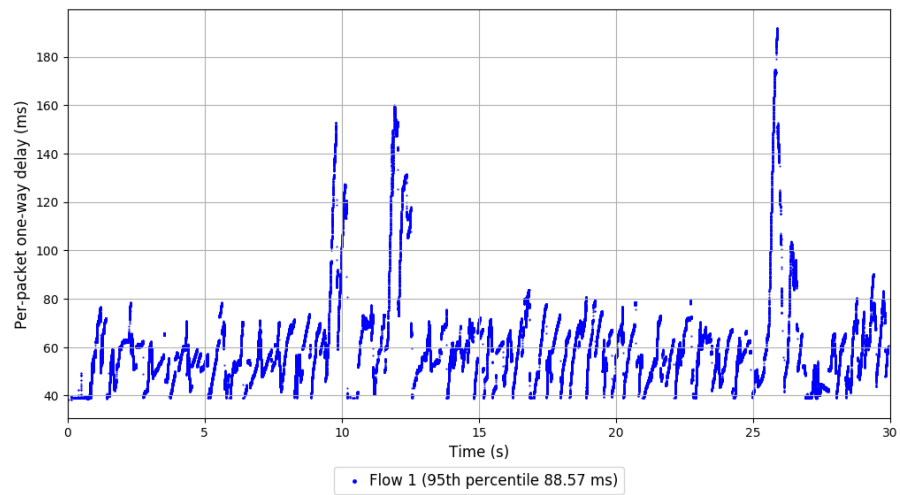
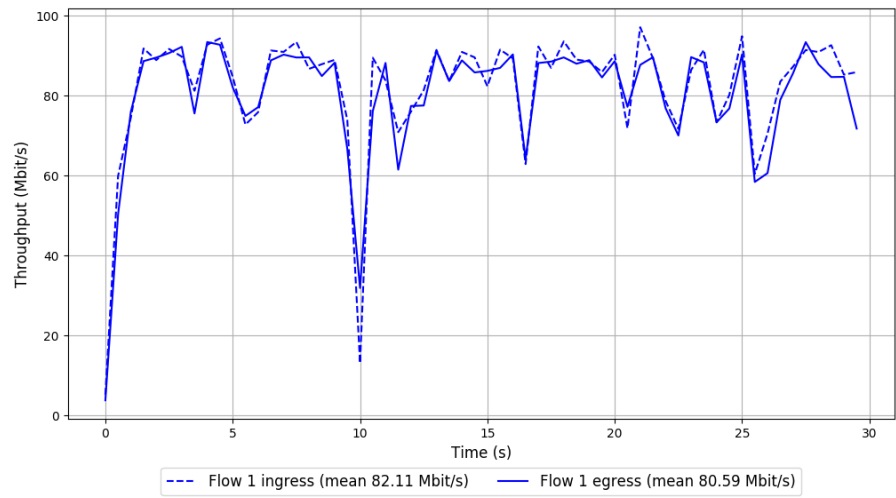
-- Flow 1:

Average throughput: 80.59 Mbit/s

95th percentile per-packet one-way delay: 88.568 ms

Loss rate: 2.14%

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



Run 4: Statistics of TCP BBR

Start at: 2017-09-21 20:11:19

End at: 2017-09-21 20:11:49

Local clock offset: -4.136 ms

Remote clock offset: 0.141 ms

# Below is generated by plot.py at 2017-09-21 22:31:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.32 Mbit/s

95th percentile per-packet one-way delay: 71.711 ms

Loss rate: 2.01%

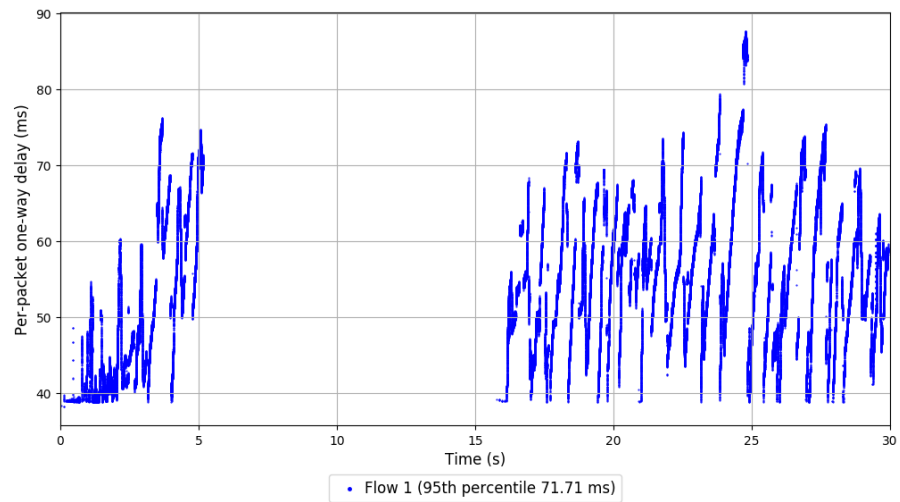
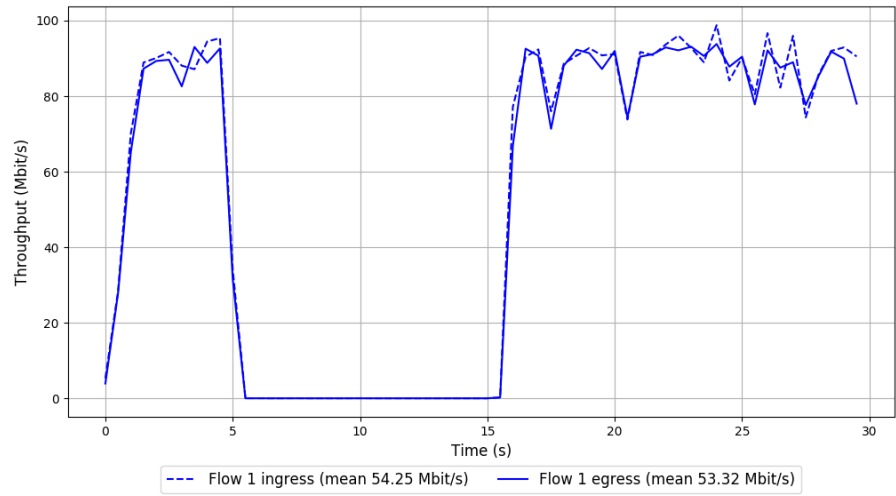
-- Flow 1:

Average throughput: 53.32 Mbit/s

95th percentile per-packet one-way delay: 71.711 ms

Loss rate: 2.01%

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



Run 5: Statistics of TCP BBR

Start at: 2017-09-21 20:30:24

End at: 2017-09-21 20:30:54

Local clock offset: -3.677 ms

Remote clock offset: 0.3 ms

# Below is generated by plot.py at 2017-09-21 22:31:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 81.13 Mbit/s

95th percentile per-packet one-way delay: 70.897 ms

Loss rate: 1.75%

-- Flow 1:

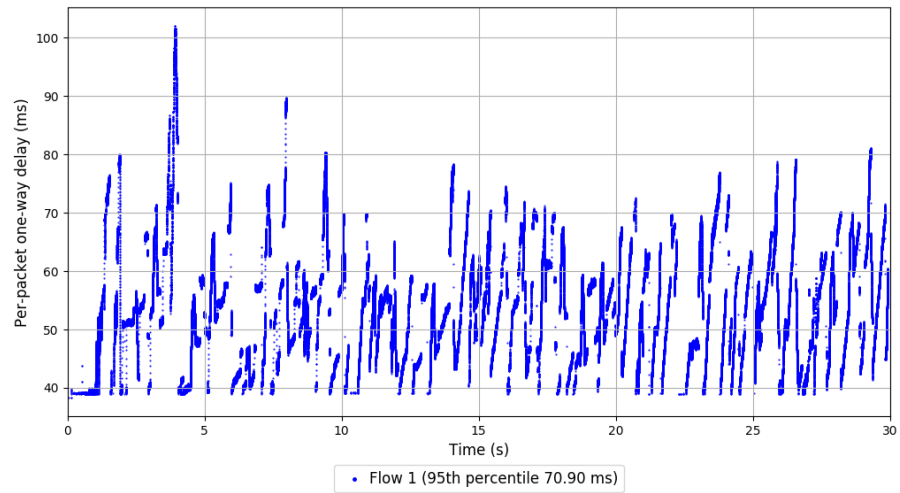
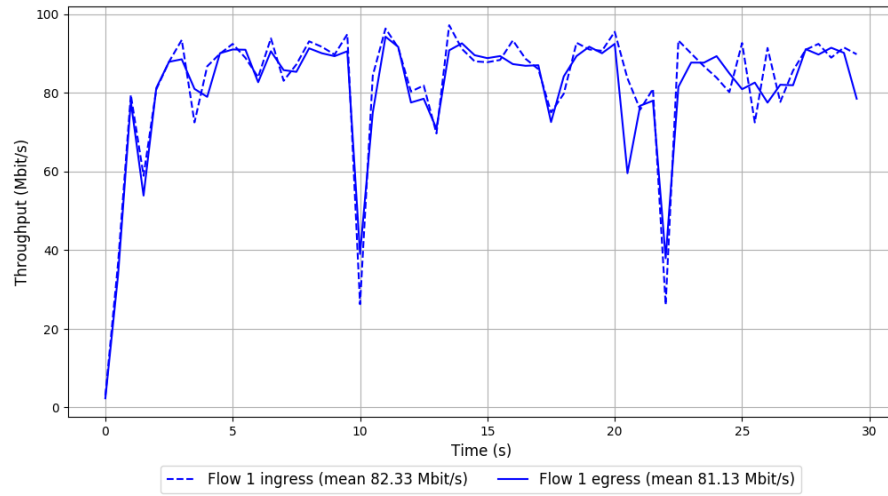
Average throughput: 81.13 Mbit/s

95th percentile per-packet one-way delay: 70.897 ms

Loss rate: 1.75%



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



Run 6: Statistics of TCP BBR

Start at: 2017-09-21 20:50:03

End at: 2017-09-21 20:50:33

Local clock offset: -2.872 ms

Remote clock offset: 0.134 ms

# Below is generated by plot.py at 2017-09-21 22:31:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.05 Mbit/s

95th percentile per-packet one-way delay: 75.490 ms

Loss rate: 1.16%

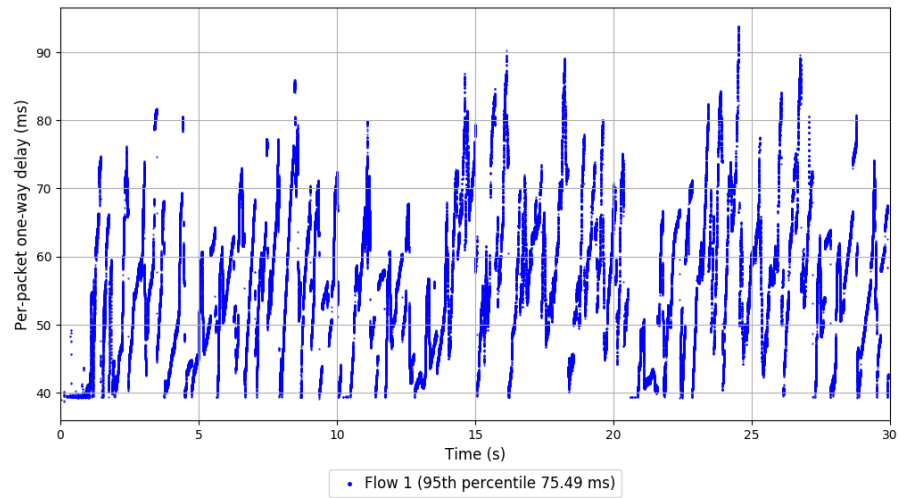
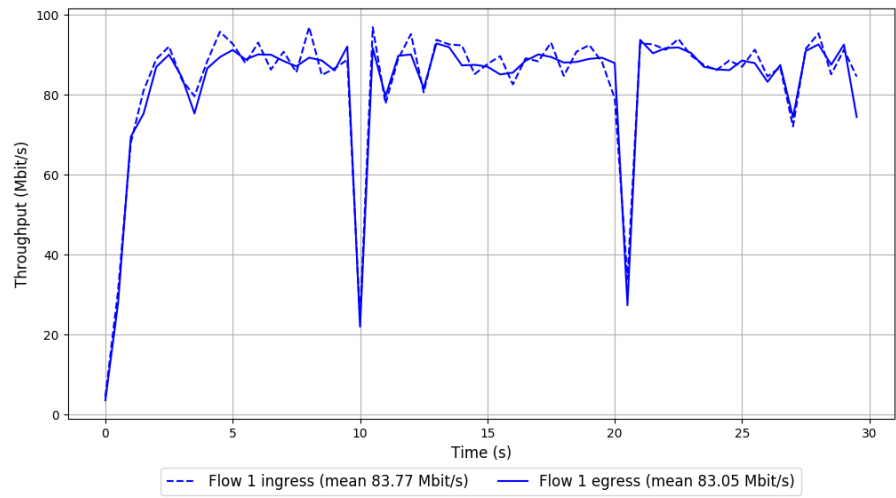
-- Flow 1:

Average throughput: 83.05 Mbit/s

95th percentile per-packet one-way delay: 75.490 ms

Loss rate: 1.16%

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



Run 7: Statistics of TCP BBR

Start at: 2017-09-21 21:09:26

End at: 2017-09-21 21:09:57

Local clock offset: -2.155 ms

Remote clock offset: 0.147 ms

# Below is generated by plot.py at 2017-09-21 22:31:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.52 Mbit/s

95th percentile per-packet one-way delay: 65.924 ms

Loss rate: 6.18%

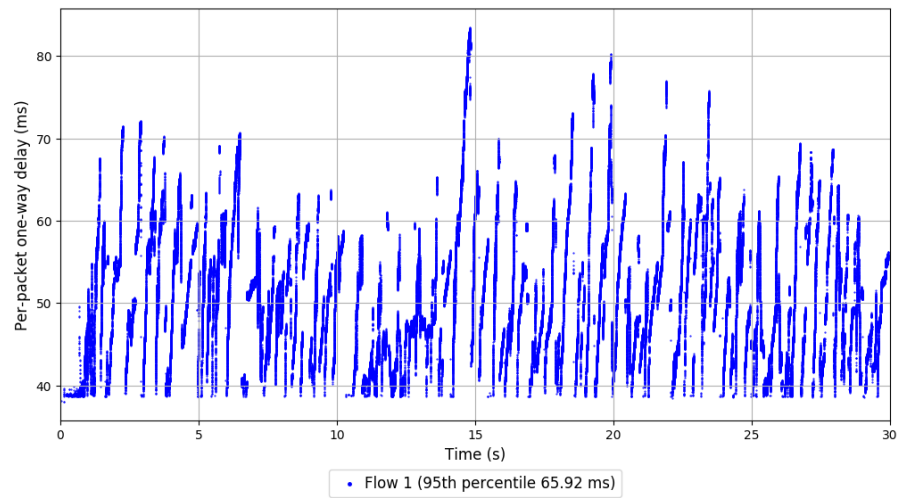
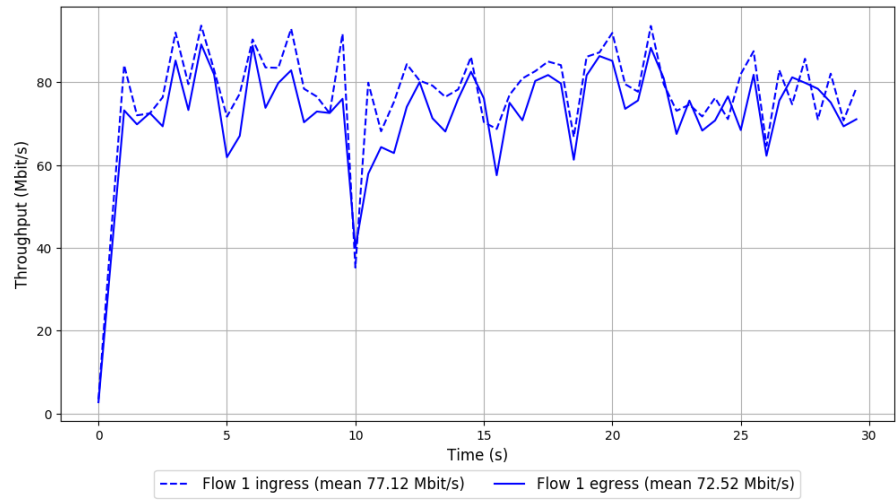
-- Flow 1:

Average throughput: 72.52 Mbit/s

95th percentile per-packet one-way delay: 65.924 ms

Loss rate: 6.18%

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

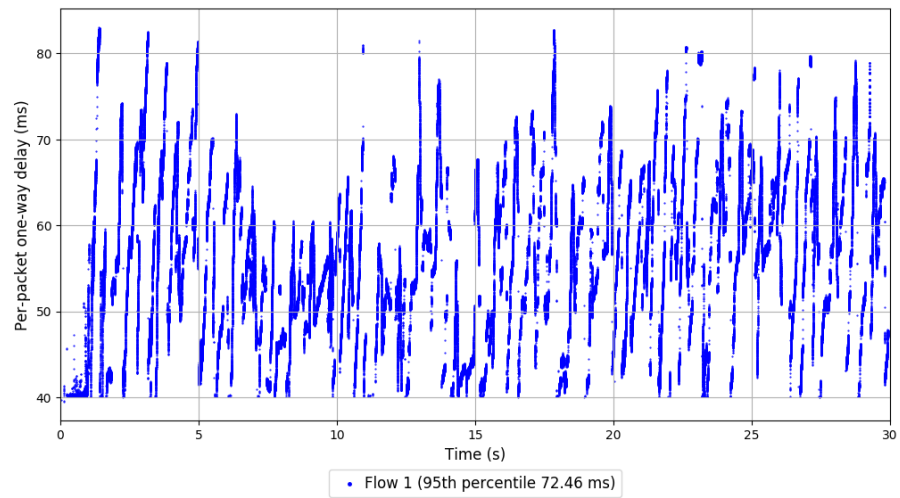
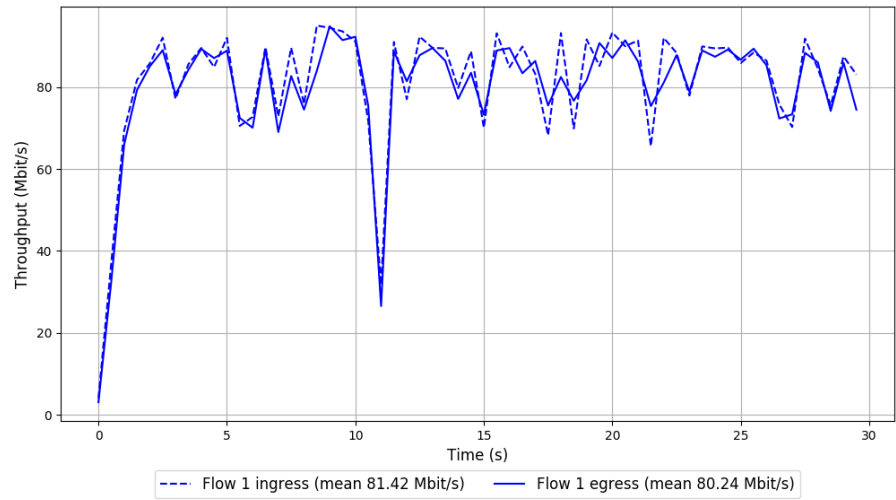


Run 8: Statistics of TCP BBR

Start at: 2017-09-21 21:28:27  
End at: 2017-09-21 21:28:57  
Local clock offset: -0.244 ms  
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2017-09-21 22:31:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.24 Mbit/s  
95th percentile per-packet one-way delay: 72.461 ms  
Loss rate: 1.73%  
-- Flow 1:  
Average throughput: 80.24 Mbit/s  
95th percentile per-packet one-way delay: 72.461 ms  
Loss rate: 1.73%

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



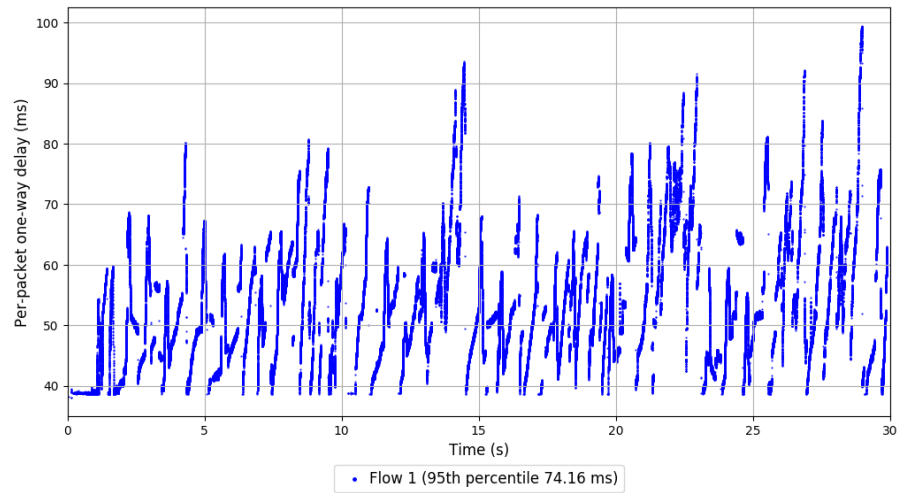
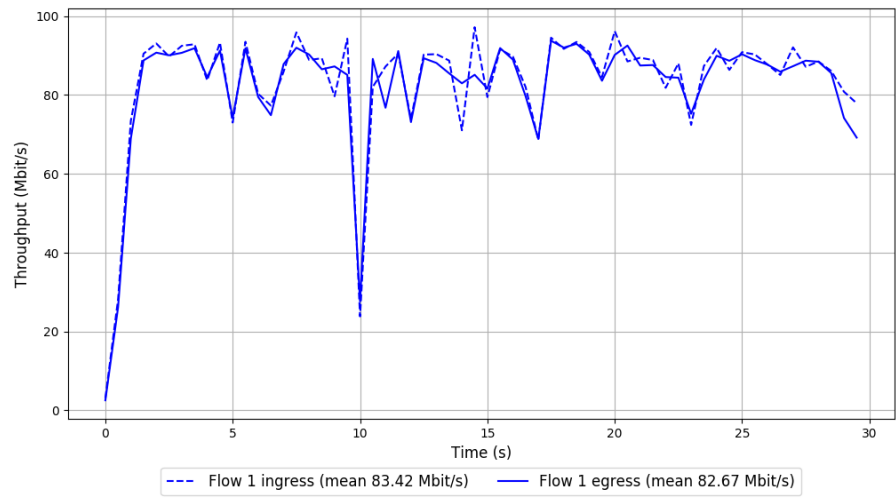
Run 9: Statistics of TCP BBR

Start at: 2017-09-21 21:48:32  
End at: 2017-09-21 21:49:02  
Local clock offset: -0.845 ms  
Remote clock offset: -0.251 ms

# Below is generated by plot.py at 2017-09-21 22:32:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.67 Mbit/s  
95th percentile per-packet one-way delay: 74.164 ms  
Loss rate: 1.19%  
-- Flow 1:  
Average throughput: 82.67 Mbit/s  
95th percentile per-packet one-way delay: 74.164 ms  
Loss rate: 1.19%



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

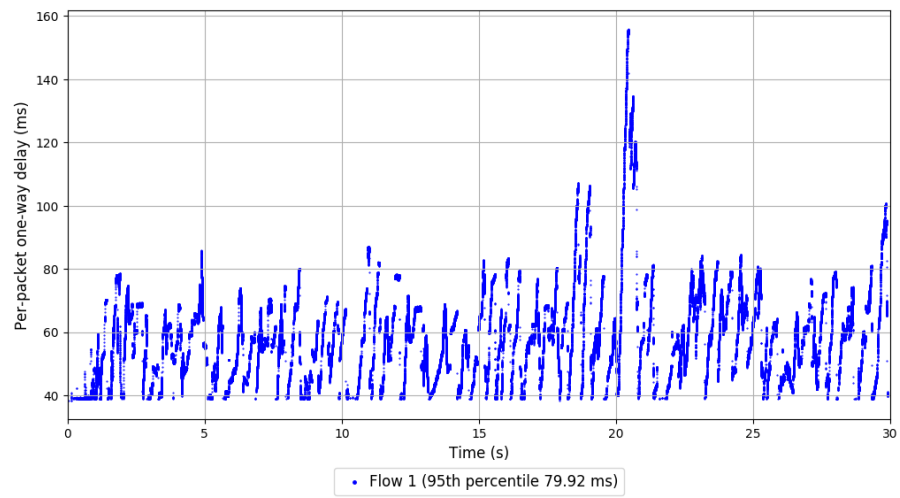
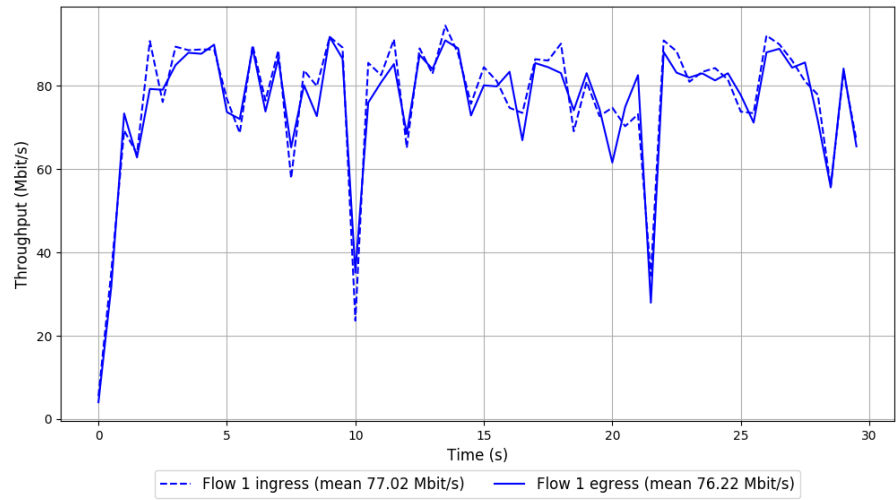


Run 10: Statistics of TCP BBR

Start at: 2017-09-21 22:08:55  
End at: 2017-09-21 22:09:25  
Local clock offset: -0.548 ms  
Remote clock offset: -0.421 ms

# Below is generated by plot.py at 2017-09-21 22:32:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.22 Mbit/s  
95th percentile per-packet one-way delay: 79.917 ms  
Loss rate: 1.31%  
-- Flow 1:  
Average throughput: 76.22 Mbit/s  
95th percentile per-packet one-way delay: 79.917 ms  
Loss rate: 1.31%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of TCP Cubic

Start at: 2017-09-21 19:30:06

End at: 2017-09-21 19:30:36

Local clock offset: -3.003 ms

Remote clock offset: -0.12 ms

# Below is generated by plot.py at 2017-09-21 22:32:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.67 Mbit/s

95th percentile per-packet one-way delay: 46.856 ms

Loss rate: 0.69%

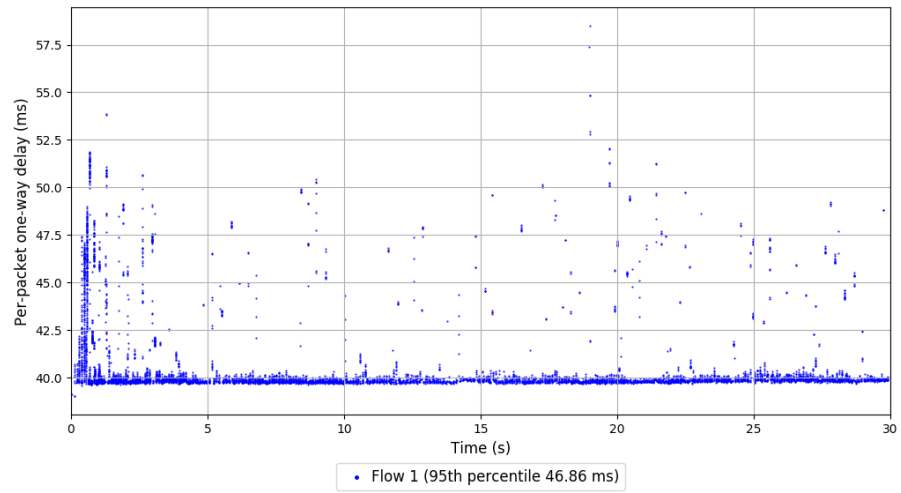
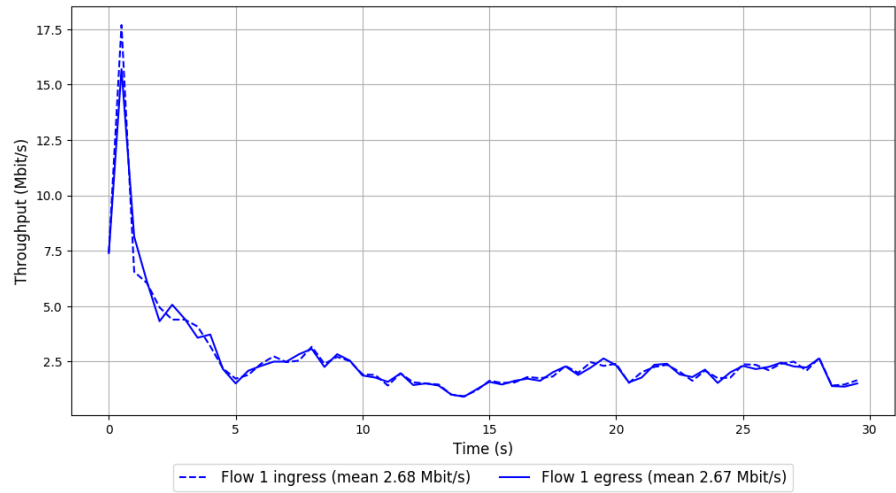
-- Flow 1:

Average throughput: 2.67 Mbit/s

95th percentile per-packet one-way delay: 46.856 ms

Loss rate: 0.69%

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



Run 2: Statistics of TCP Cubic

Start at: 2017-09-21 19:49:45

End at: 2017-09-21 19:50:15

Local clock offset: -4.377 ms

Remote clock offset: 0.077 ms

# Below is generated by plot.py at 2017-09-21 22:32:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 40.449 ms

Loss rate: 0.86%

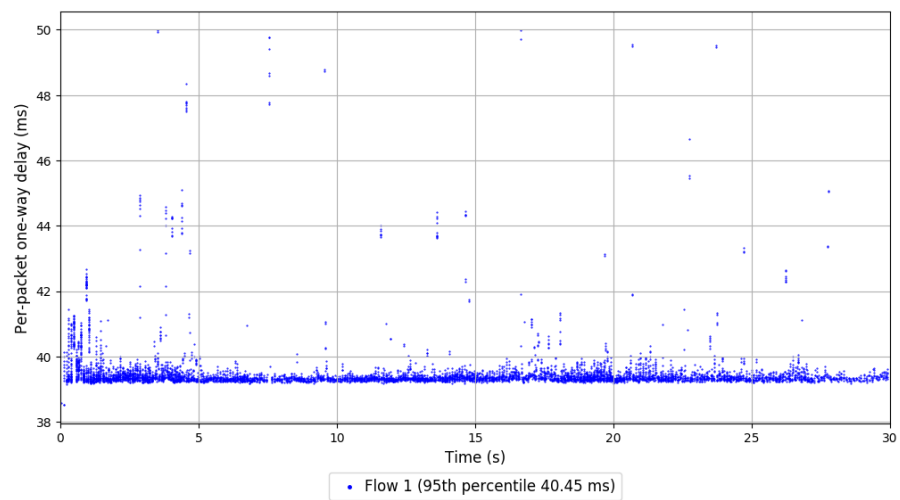
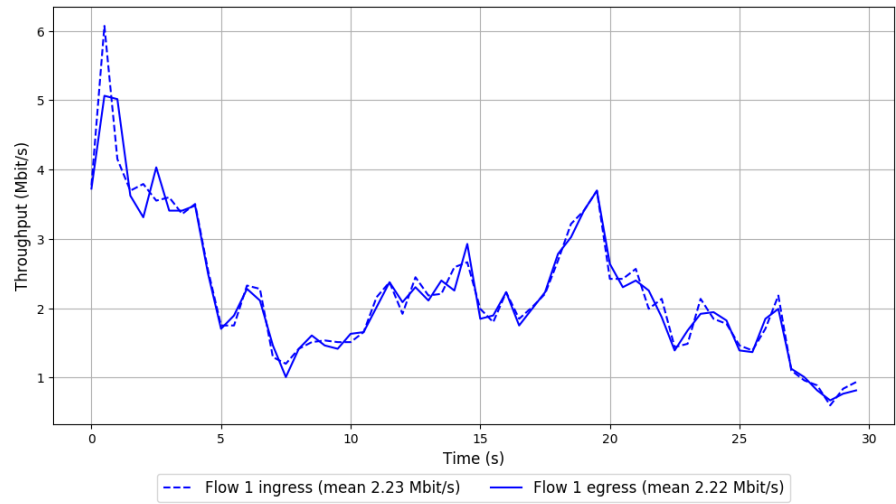
-- Flow 1:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 40.449 ms

Loss rate: 0.86%

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



Run 3: Statistics of TCP Cubic

Start at: 2017-09-21 20:09:01

End at: 2017-09-21 20:09:31

Local clock offset: -3.063 ms

Remote clock offset: 0.211 ms

# Below is generated by plot.py at 2017-09-21 22:32:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.45 Mbit/s

95th percentile per-packet one-way delay: 40.840 ms

Loss rate: 0.51%

-- Flow 1:

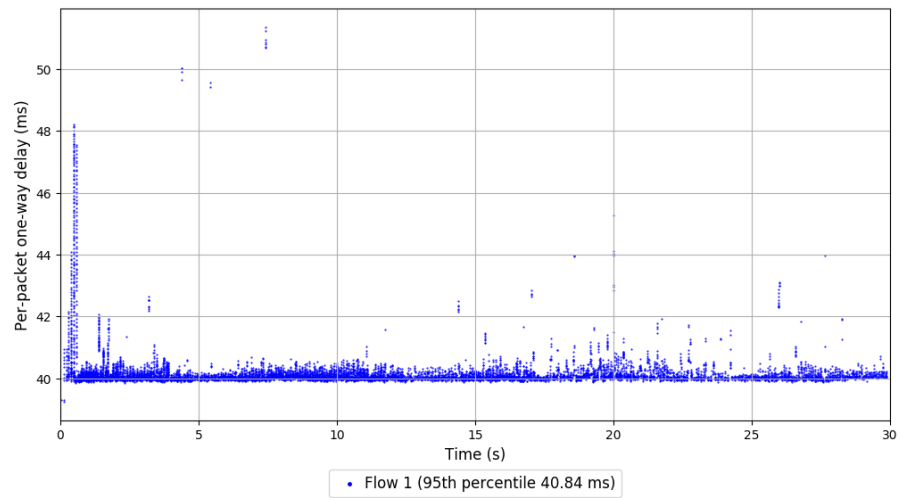
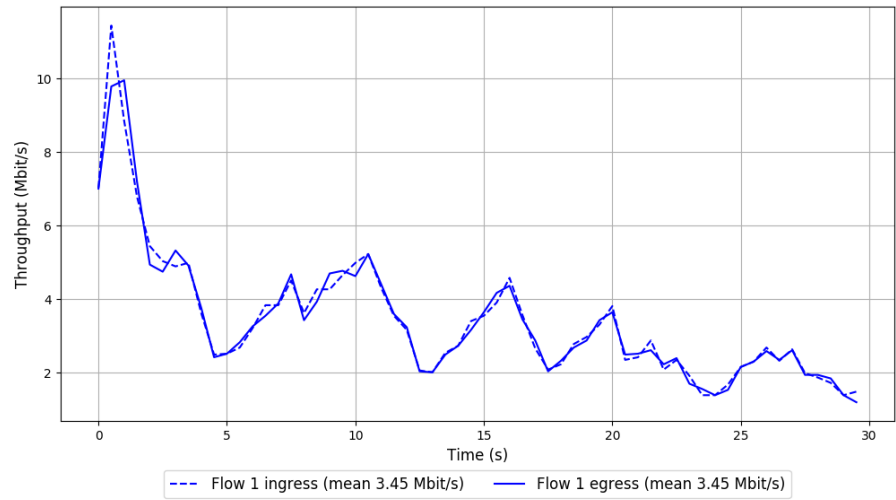
Average throughput: 3.45 Mbit/s

95th percentile per-packet one-way delay: 40.840 ms

Loss rate: 0.51%



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



Run 4: Statistics of TCP Cubic

Start at: 2017-09-21 20:28:05

End at: 2017-09-21 20:28:35

Local clock offset: -3.87 ms

Remote clock offset: 0.323 ms

# Below is generated by plot.py at 2017-09-21 22:32:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.68 Mbit/s

95th percentile per-packet one-way delay: 39.414 ms

Loss rate: 0.68%

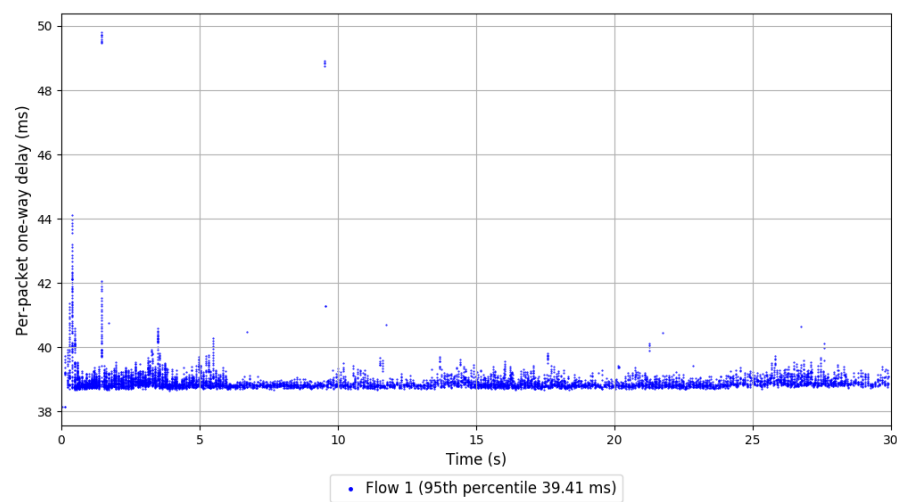
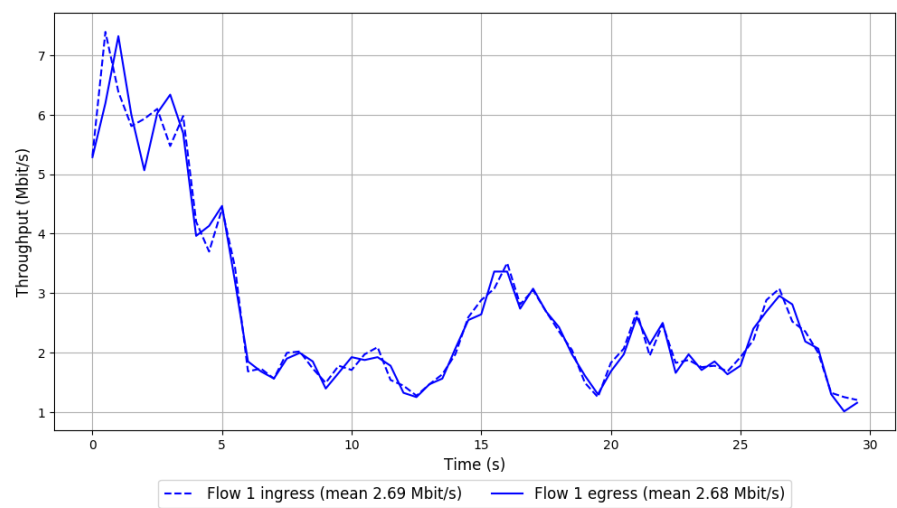
-- Flow 1:

Average throughput: 2.68 Mbit/s

95th percentile per-packet one-way delay: 39.414 ms

Loss rate: 0.68%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2017-09-21 20:47:45

End at: 2017-09-21 20:48:15

Local clock offset: -1.838 ms

Remote clock offset: 0.255 ms

# Below is generated by plot.py at 2017-09-21 22:32:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 42.480 ms

Loss rate: 0.86%

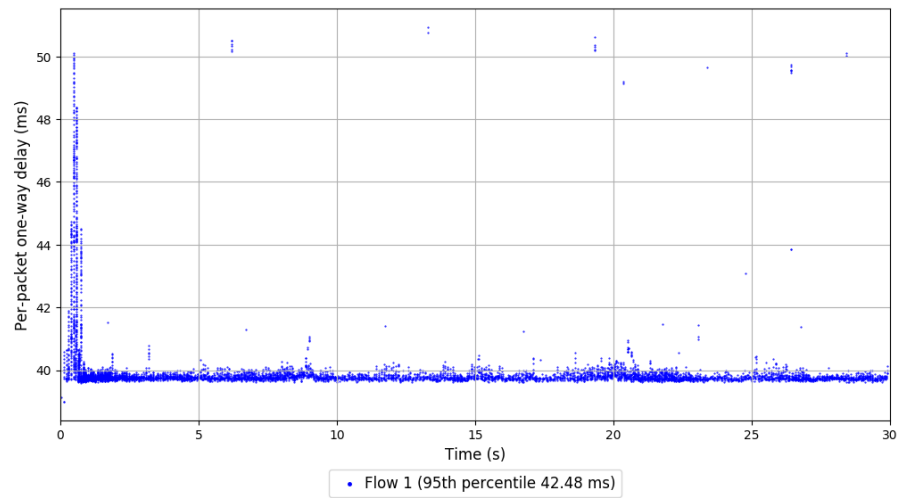
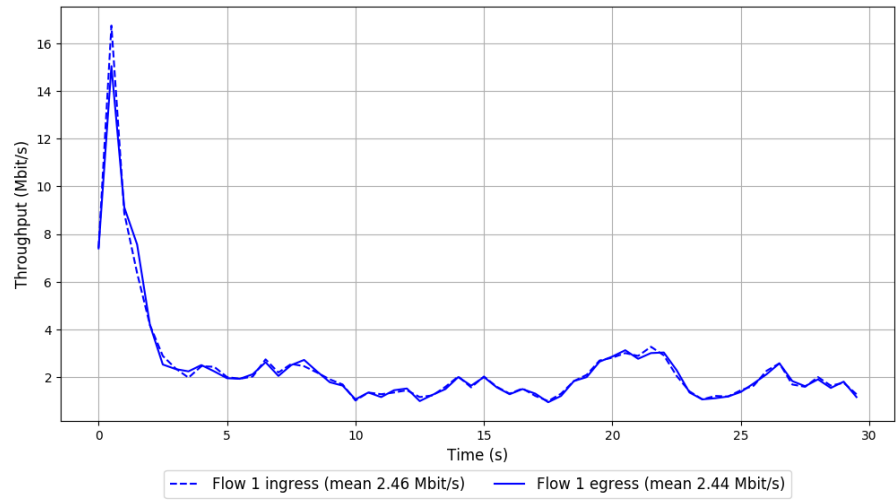
-- Flow 1:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 42.480 ms

Loss rate: 0.86%

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



Run 6: Statistics of TCP Cubic

Start at: 2017-09-21 21:07:02

End at: 2017-09-21 21:07:32

Local clock offset: -2.14 ms

Remote clock offset: 0.119 ms

# Below is generated by plot.py at 2017-09-21 22:32:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.52 Mbit/s

95th percentile per-packet one-way delay: 43.141 ms

Loss rate: 0.63%

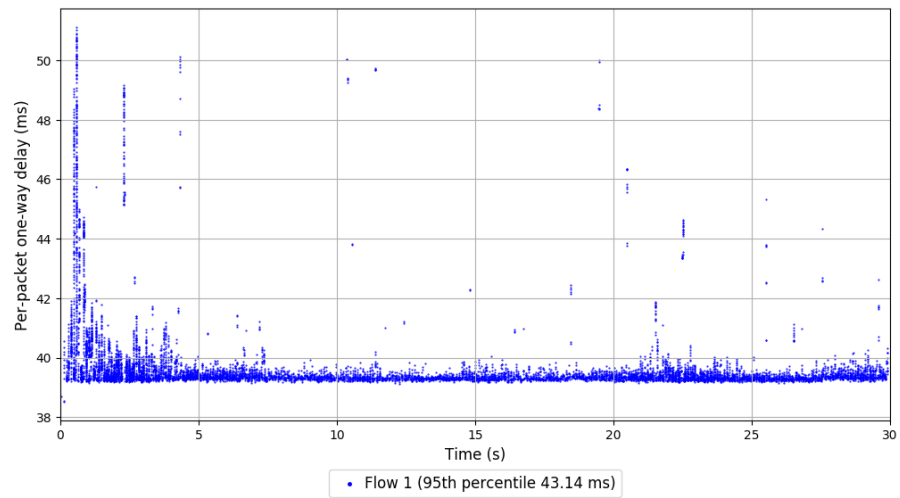
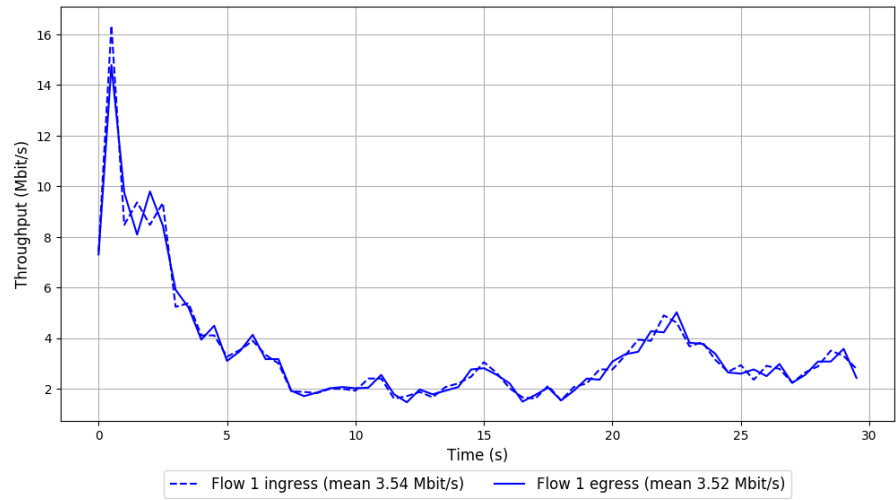
-- Flow 1:

Average throughput: 3.52 Mbit/s

95th percentile per-packet one-way delay: 43.141 ms

Loss rate: 0.63%

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



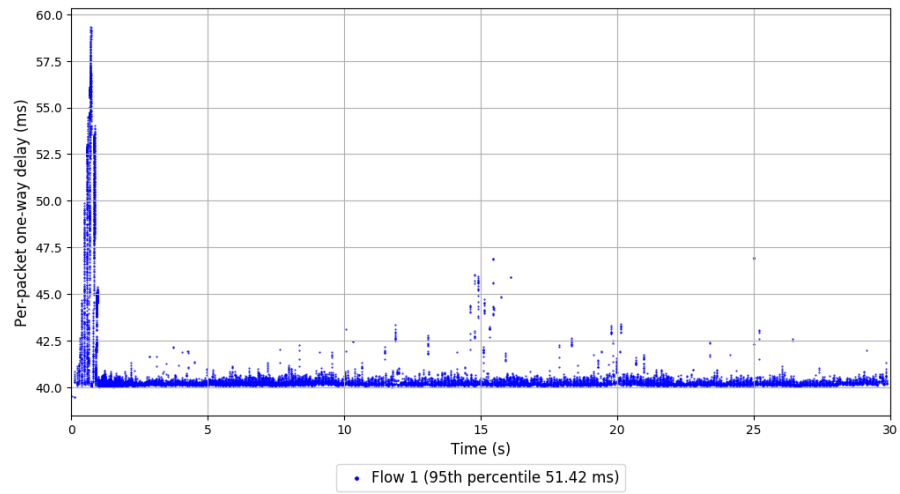
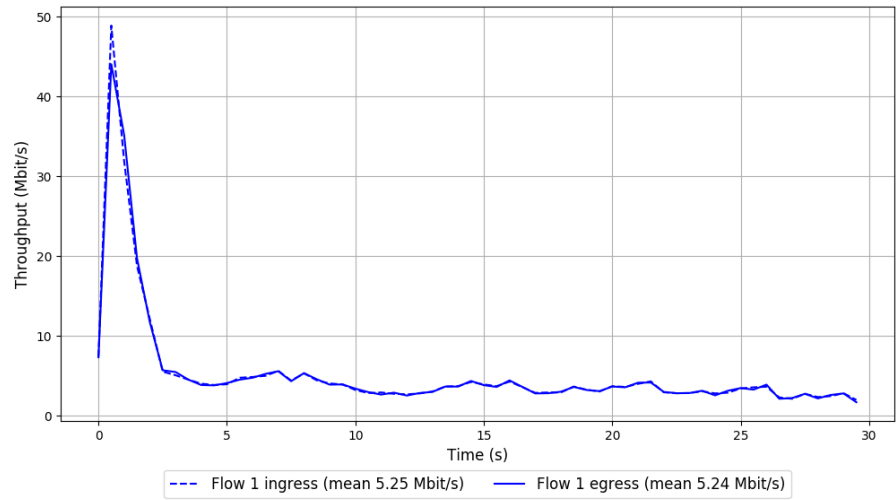
Run 7: Statistics of TCP Cubic

Start at: 2017-09-21 21:26:02  
End at: 2017-09-21 21:26:32  
Local clock offset: -0.218 ms  
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2017-09-21 22:32:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 5.24 Mbit/s  
95th percentile per-packet one-way delay: 51.420 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 5.24 Mbit/s  
95th percentile per-packet one-way delay: 51.420 ms  
Loss rate: 0.37%



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

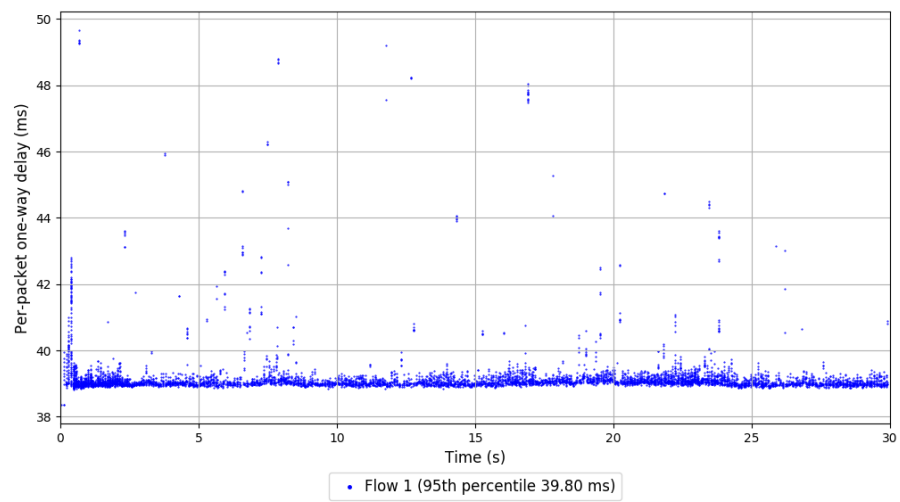
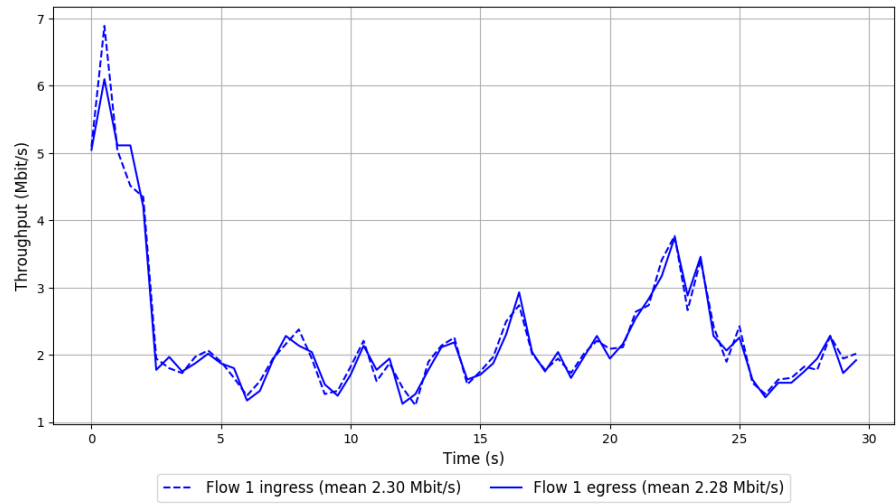


Run 8: Statistics of TCP Cubic

Start at: 2017-09-21 21:46:14  
End at: 2017-09-21 21:46:44  
Local clock offset: -0.883 ms  
Remote clock offset: -0.225 ms

# Below is generated by plot.py at 2017-09-21 22:32:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.28 Mbit/s  
95th percentile per-packet one-way delay: 39.801 ms  
Loss rate: 0.98%  
-- Flow 1:  
Average throughput: 2.28 Mbit/s  
95th percentile per-packet one-way delay: 39.801 ms  
Loss rate: 0.98%

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

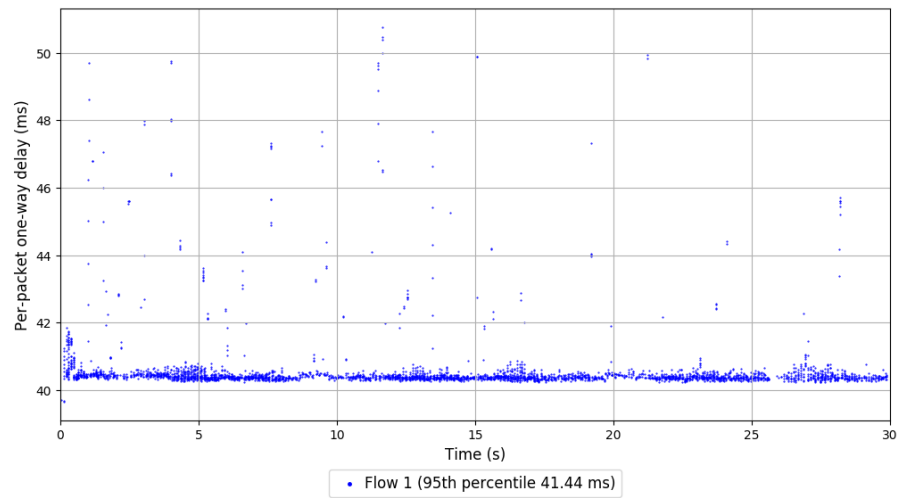
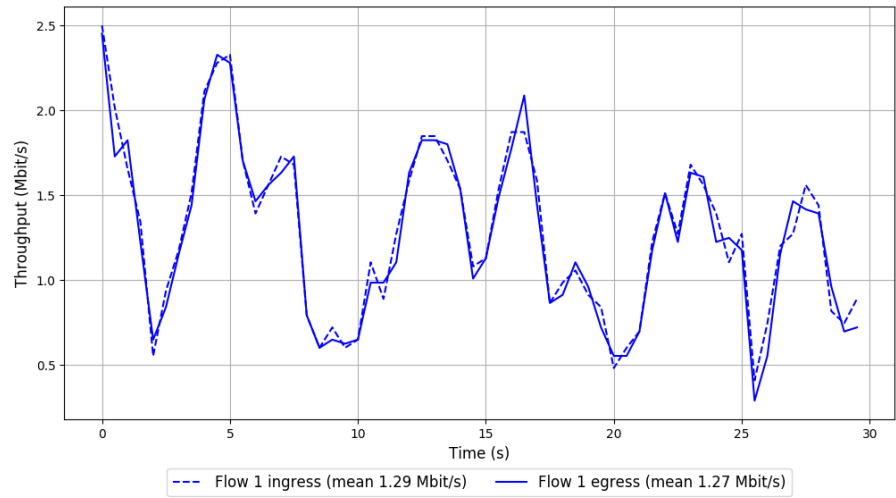


Run 9: Statistics of TCP Cubic

Start at: 2017-09-21 22:06:36  
End at: 2017-09-21 22:07:06  
Local clock offset: 0.646 ms  
Remote clock offset: -0.402 ms

# Below is generated by plot.py at 2017-09-21 22:32:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.27 Mbit/s  
95th percentile per-packet one-way delay: 41.441 ms  
Loss rate: 1.83%  
-- Flow 1:  
Average throughput: 1.27 Mbit/s  
95th percentile per-packet one-way delay: 41.441 ms  
Loss rate: 1.83%

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



Run 10: Statistics of TCP Cubic

Start at: 2017-09-21 22:27:46

End at: 2017-09-21 22:28:16

Local clock offset: -0.447 ms

Remote clock offset: -0.655 ms

# Below is generated by plot.py at 2017-09-21 22:32:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 39.679 ms

Loss rate: 1.20%

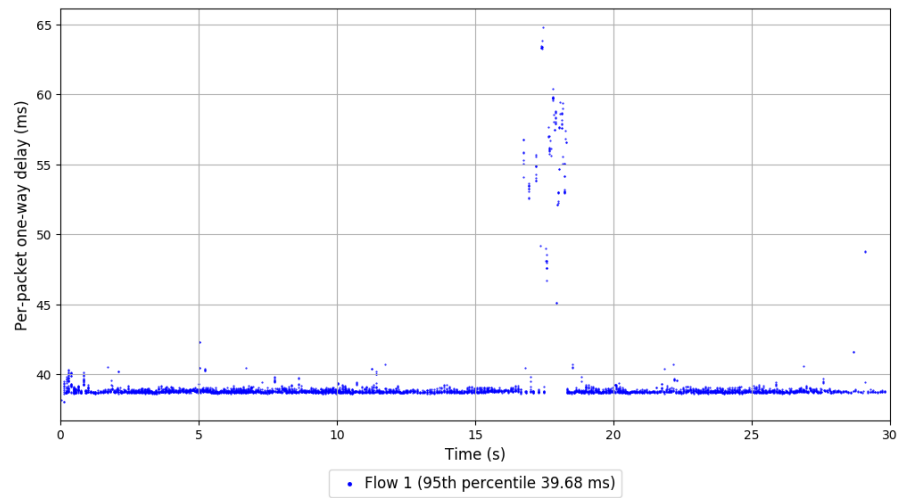
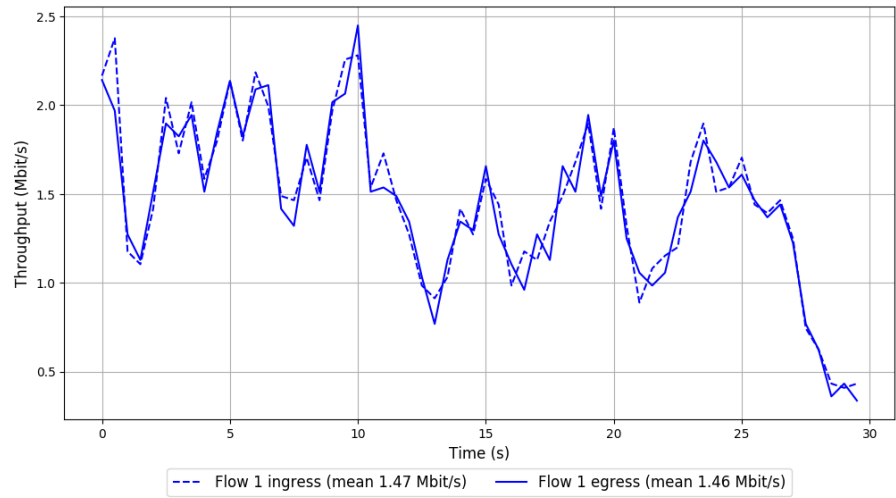
-- Flow 1:

Average throughput: 1.46 Mbit/s

95th percentile per-packet one-way delay: 39.679 ms

Loss rate: 1.20%

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



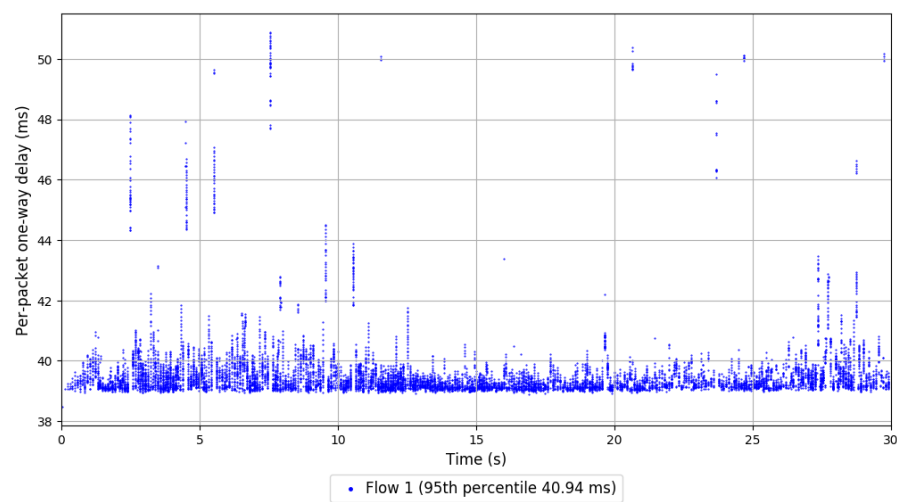
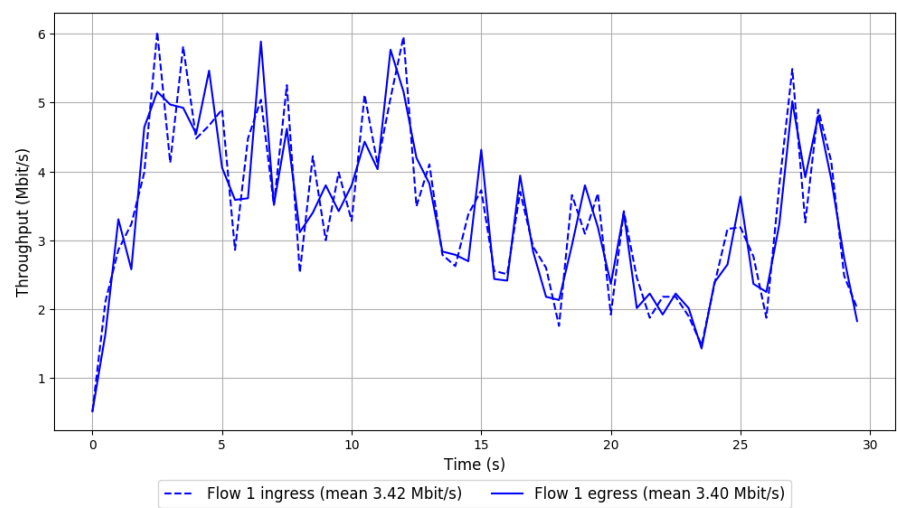
```
Run 1: Statistics of LEDBAT

Start at: 2017-09-21 19:16:07
End at: 2017-09-21 19:16:37
Local clock offset: -3.83 ms
Remote clock offset: -0.377 ms

# Below is generated by plot.py at 2017-09-21 22:32:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.40 Mbit/s
95th percentile per-packet one-way delay: 40.942 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 3.40 Mbit/s
95th percentile per-packet one-way delay: 40.942 ms
Loss rate: 0.87%
```



Run 1: Report of LEDBAT — Data Link

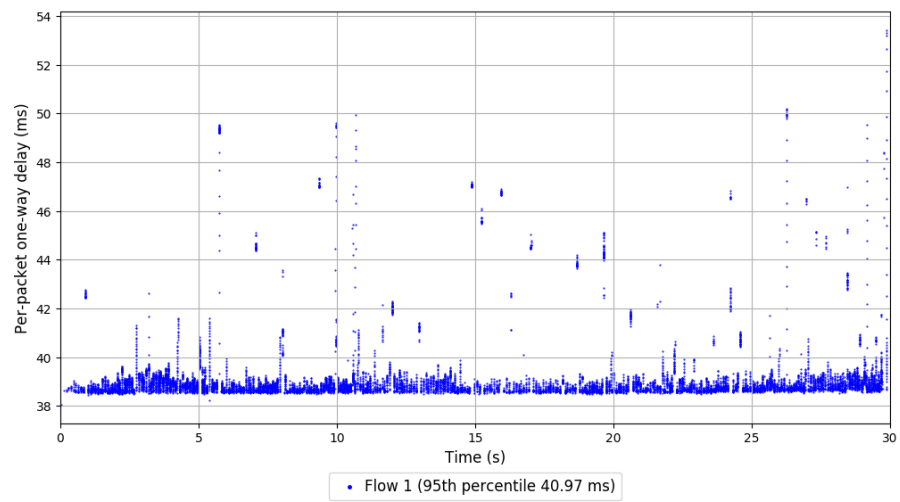
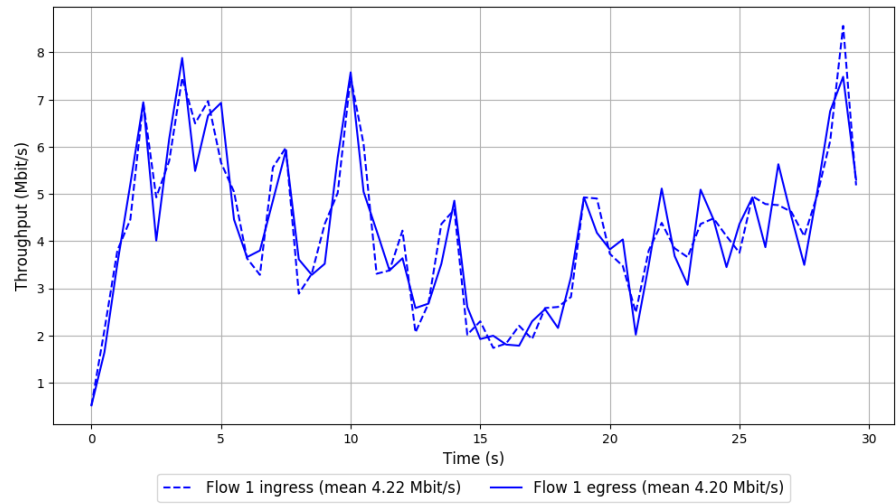


Run 2: Statistics of LEDBAT

Start at: 2017-09-21 19:35:05  
End at: 2017-09-21 19:35:35  
Local clock offset: -4.136 ms  
Remote clock offset: -0.024 ms

# Below is generated by plot.py at 2017-09-21 22:32:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.20 Mbit/s  
95th percentile per-packet one-way delay: 40.970 ms  
Loss rate: 0.75%  
-- Flow 1:  
Average throughput: 4.20 Mbit/s  
95th percentile per-packet one-way delay: 40.970 ms  
Loss rate: 0.75%

## Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

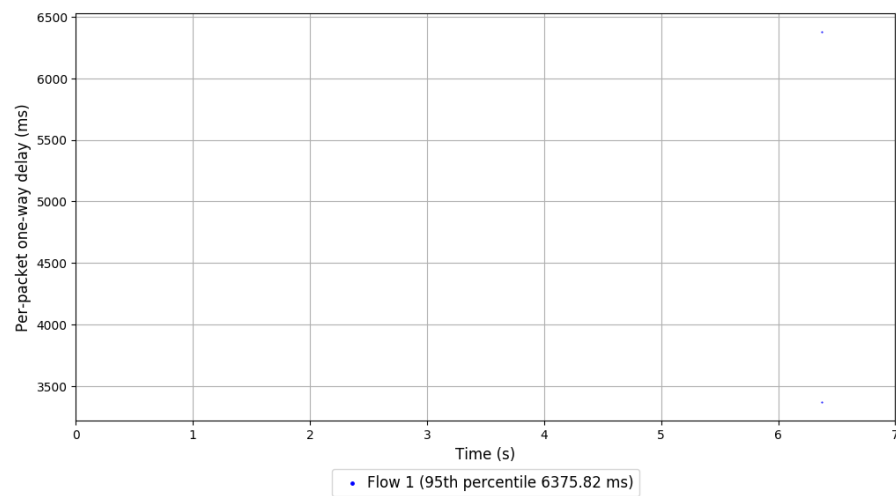
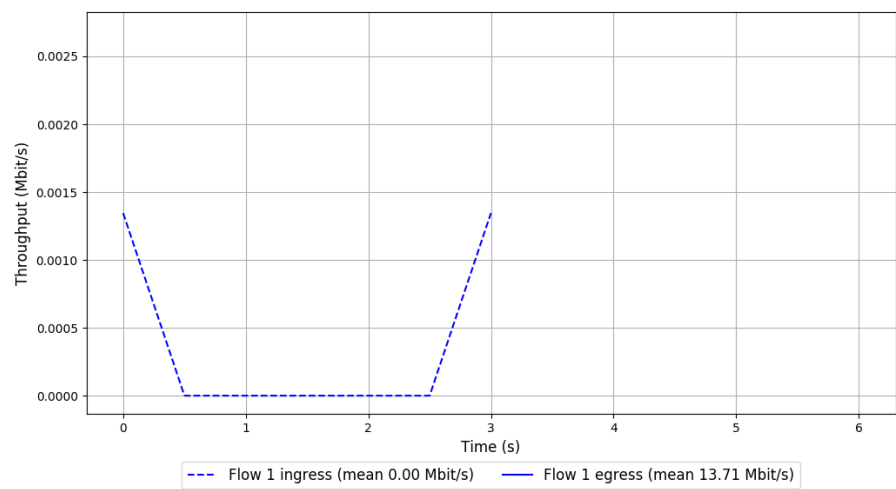
Start at: 2017-09-21 19:55:12

End at: 2017-09-21 19:55:42

Local clock offset: -4.528 ms

Remote clock offset: 0.055 ms

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2017-09-21 20:13:58

End at: 2017-09-21 20:14:28

Local clock offset: -4.223 ms

Remote clock offset: 0.143 ms

# Below is generated by plot.py at 2017-09-21 22:32:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.55 Mbit/s

95th percentile per-packet one-way delay: 39.665 ms

Loss rate: 1.08%

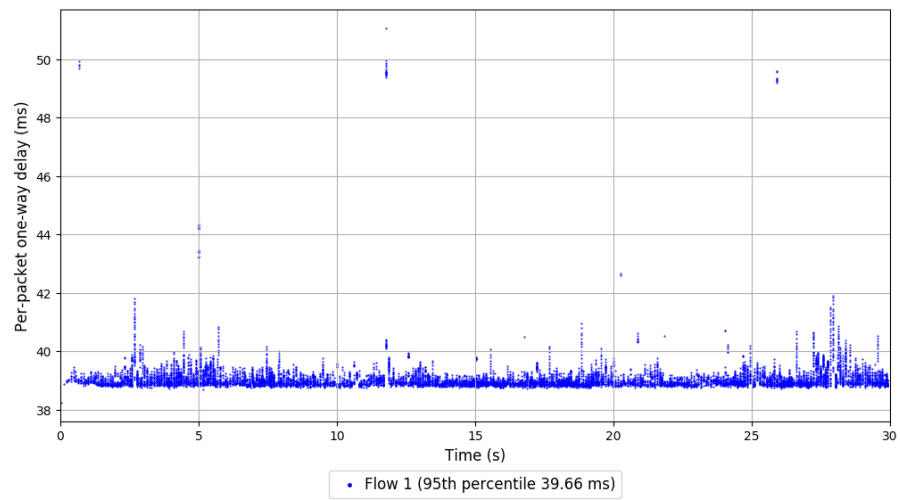
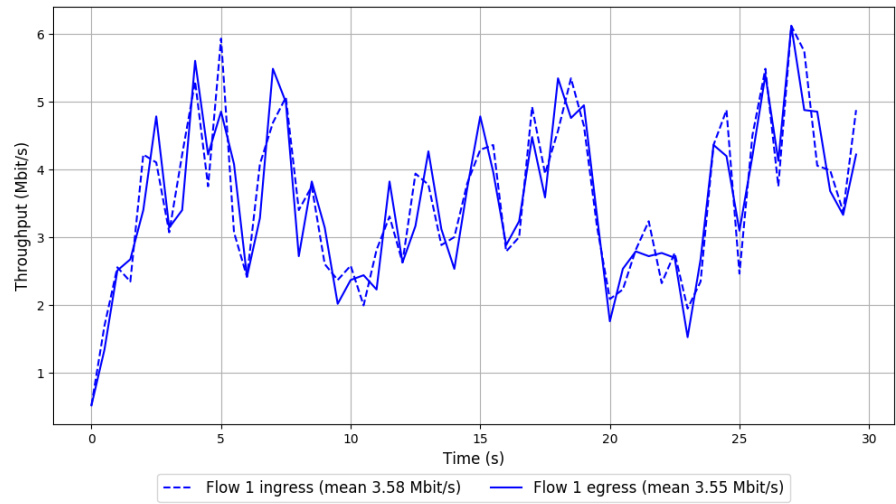
-- Flow 1:

Average throughput: 3.55 Mbit/s

95th percentile per-packet one-way delay: 39.665 ms

Loss rate: 1.08%

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



Run 5: Statistics of LEDBAT

Start at: 2017-09-21 20:33:15

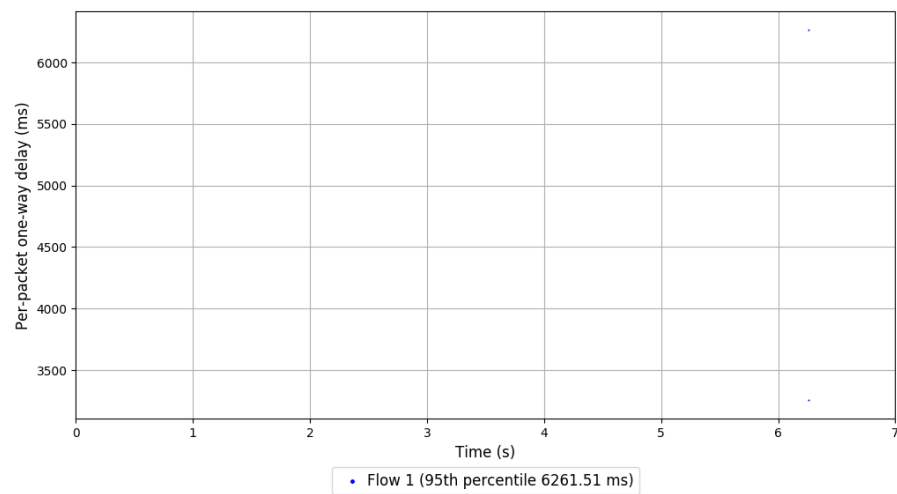
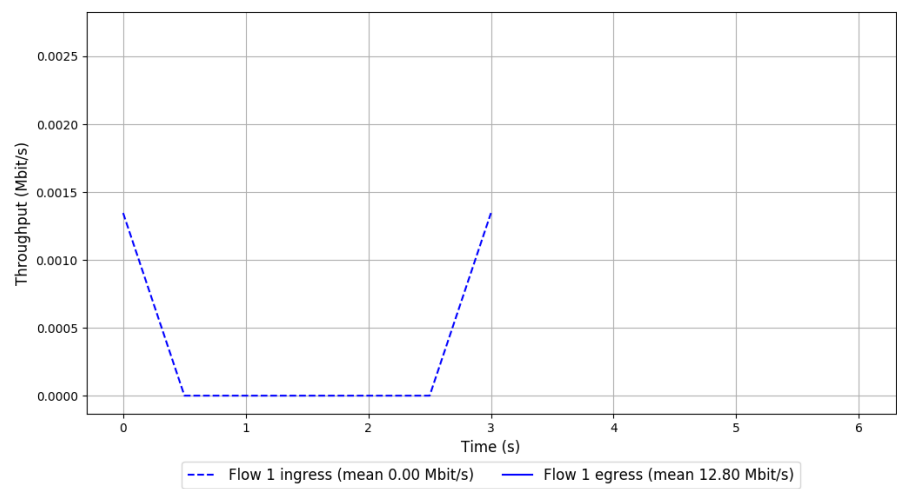
End at: 2017-09-21 20:33:45

Local clock offset: -2.371 ms

Remote clock offset: 0.25 ms



Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2017-09-21 20:52:46

End at: 2017-09-21 20:53:16

Local clock offset: -1.593 ms

Remote clock offset: 0.172 ms

# Below is generated by plot.py at 2017-09-21 22:32:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.60 Mbit/s

95th percentile per-packet one-way delay: 41.263 ms

Loss rate: 0.59%

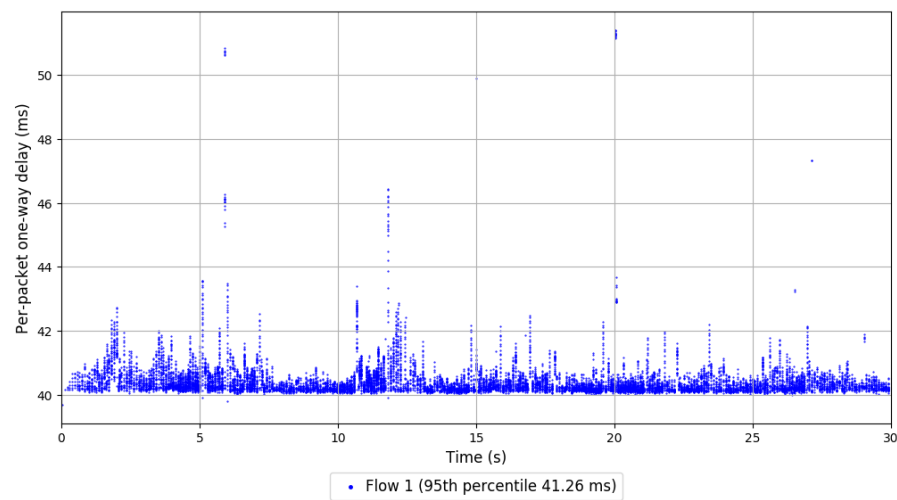
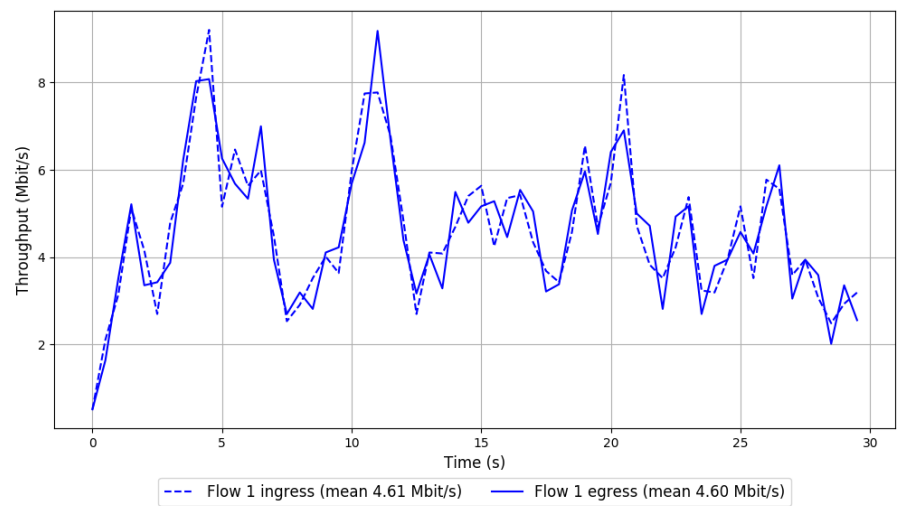
-- Flow 1:

Average throughput: 4.60 Mbit/s

95th percentile per-packet one-way delay: 41.263 ms

Loss rate: 0.59%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2017-09-21 21:12:18

End at: 2017-09-21 21:12:48

Local clock offset: -1.804 ms

Remote clock offset: 0.056 ms

# Below is generated by plot.py at 2017-09-21 22:32:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.19 Mbit/s

95th percentile per-packet one-way delay: 41.041 ms

Loss rate: 0.67%

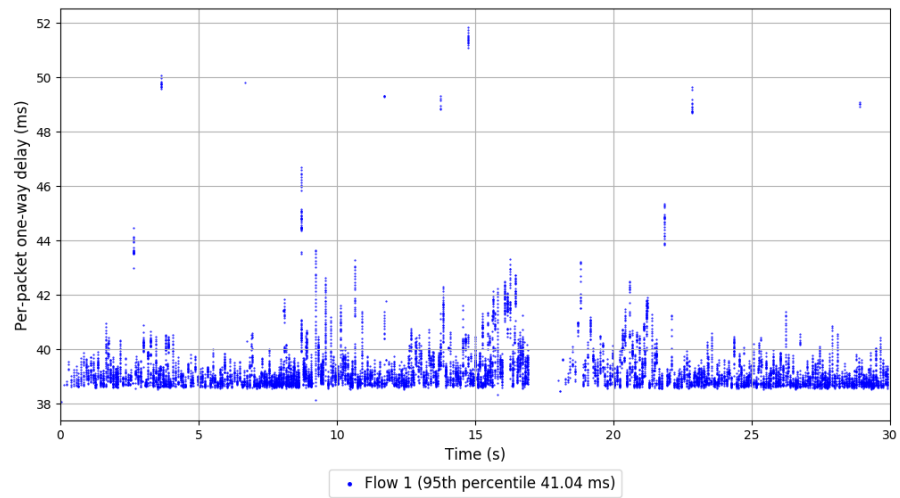
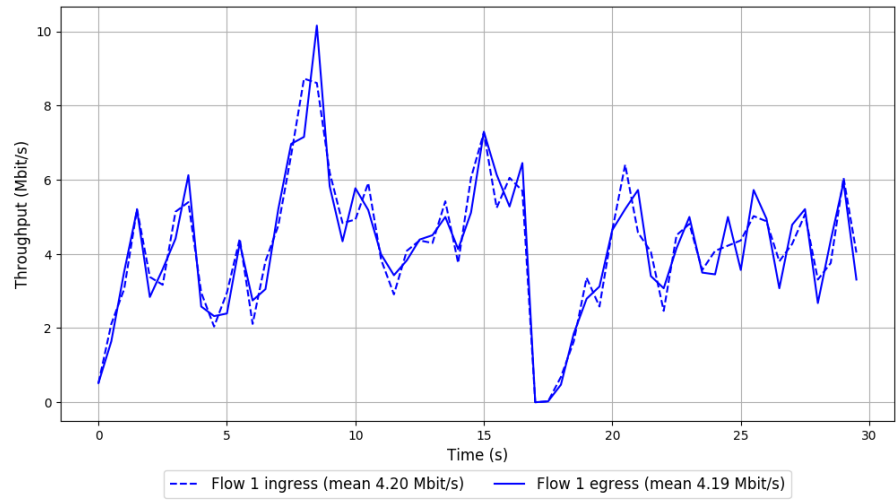
-- Flow 1:

Average throughput: 4.19 Mbit/s

95th percentile per-packet one-way delay: 41.041 ms

Loss rate: 0.67%

## Run 7: Report of LEDBAT — Data Link

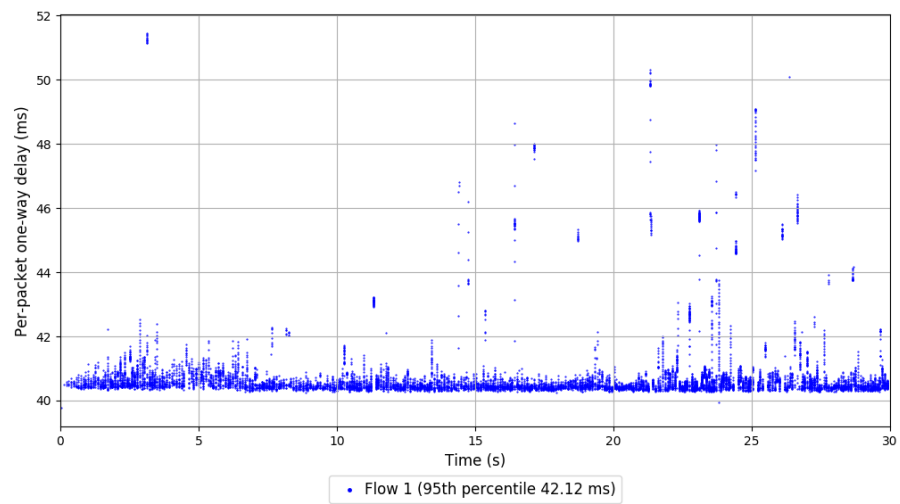
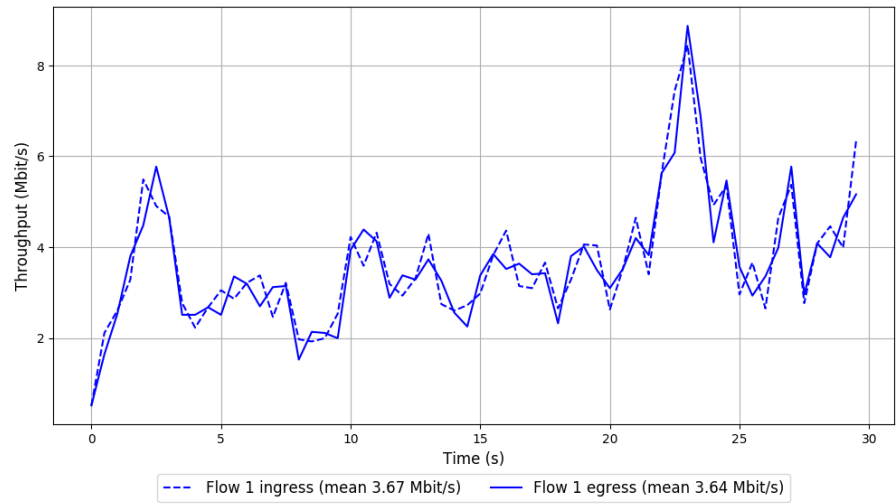


Run 8: Statistics of LEDBAT

Start at: 2017-09-21 21:31:32  
End at: 2017-09-21 21:32:02  
Local clock offset: -0.145 ms  
Remote clock offset: -0.112 ms

# Below is generated by plot.py at 2017-09-21 22:32:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.64 Mbit/s  
95th percentile per-packet one-way delay: 42.120 ms  
Loss rate: 1.06%  
-- Flow 1:  
Average throughput: 3.64 Mbit/s  
95th percentile per-packet one-way delay: 42.120 ms  
Loss rate: 1.06%

# Run 8: Report of LEDBAT — Data Link



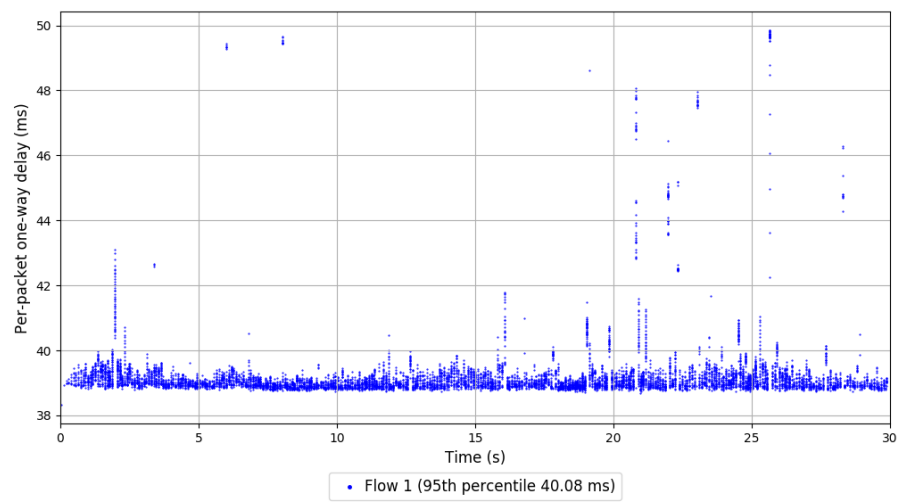
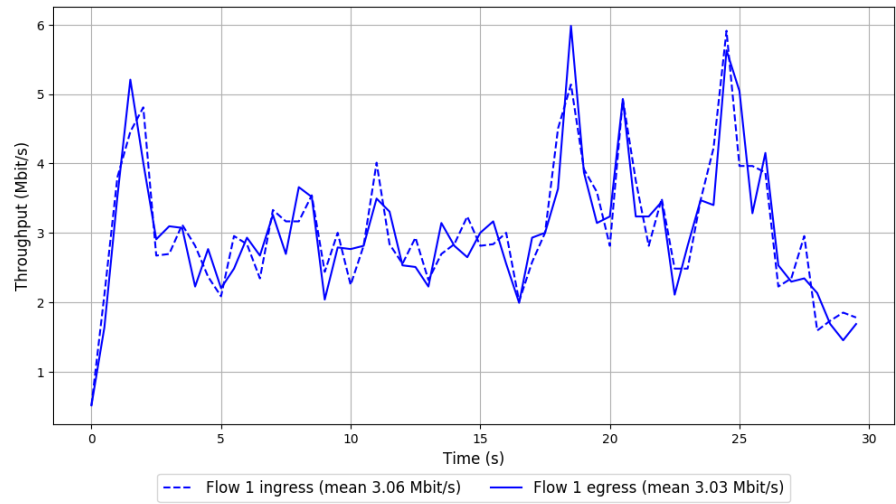
Run 9: Statistics of LEDBAT

Start at: 2017-09-21 21:51:32  
End at: 2017-09-21 21:52:02  
Local clock offset: -0.813 ms  
Remote clock offset: -0.236 ms

# Below is generated by plot.py at 2017-09-21 22:32:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.03 Mbit/s  
95th percentile per-packet one-way delay: 40.084 ms  
Loss rate: 1.04%  
-- Flow 1:  
Average throughput: 3.03 Mbit/s  
95th percentile per-packet one-way delay: 40.084 ms  
Loss rate: 1.04%



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

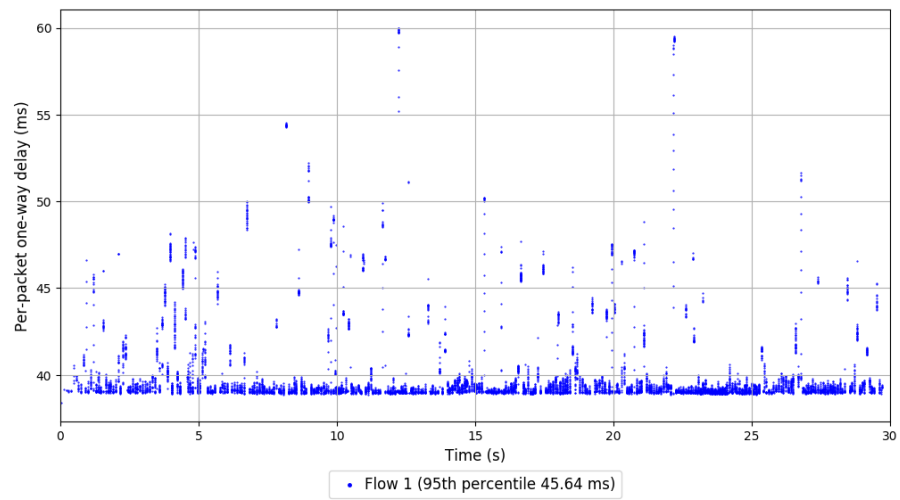
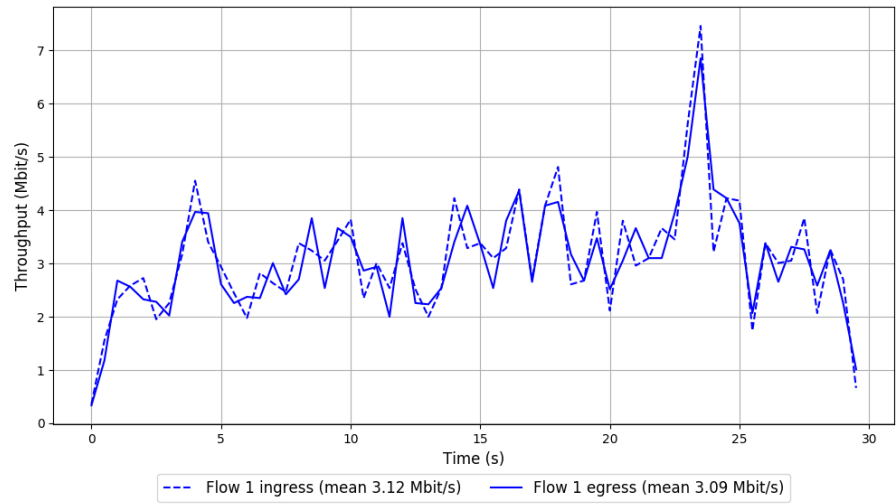


Run 10: Statistics of LEDBAT

Start at: 2017-09-21 22:11:56  
End at: 2017-09-21 22:12:26  
Local clock offset: -0.546 ms  
Remote clock offset: -0.471 ms

# Below is generated by plot.py at 2017-09-21 22:32:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.09 Mbit/s  
95th percentile per-packet one-way delay: 45.640 ms  
Loss rate: 0.90%  
-- Flow 1:  
Average throughput: 3.09 Mbit/s  
95th percentile per-packet one-way delay: 45.640 ms  
Loss rate: 0.90%

# Run 10: Report of LEDBAT — Data Link

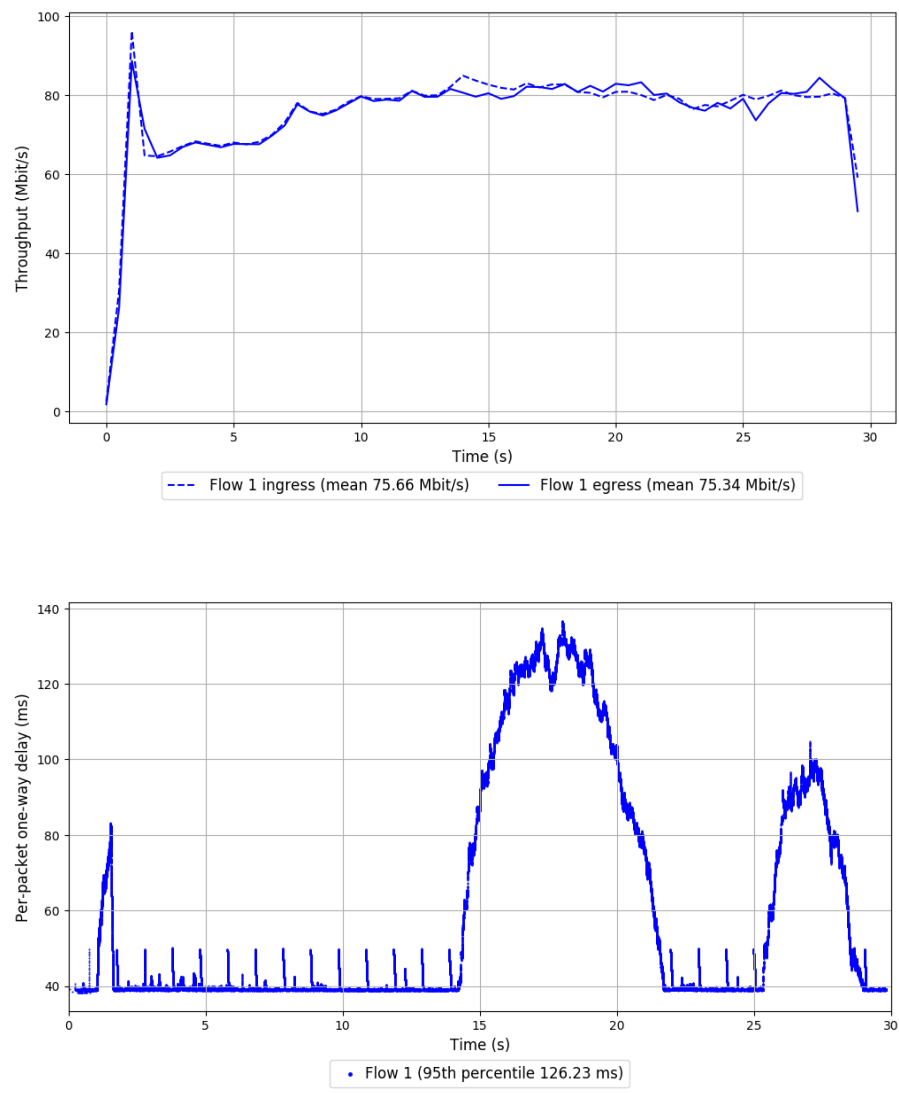


Run 1: Statistics of PCC

Start at: 2017-09-21 19:19:57  
End at: 2017-09-21 19:20:27  
Local clock offset: -3.977 ms  
Remote clock offset: -0.358 ms

# Below is generated by plot.py at 2017-09-21 22:32:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 75.34 Mbit/s  
95th percentile per-packet one-way delay: 126.230 ms  
Loss rate: 0.72%  
-- Flow 1:  
Average throughput: 75.34 Mbit/s  
95th percentile per-packet one-way delay: 126.230 ms  
Loss rate: 0.72%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2017-09-21 19:38:49

End at: 2017-09-21 19:39:19

Local clock offset: -4.057 ms

Remote clock offset: 0.112 ms

# Below is generated by plot.py at 2017-09-21 22:32:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.46 Mbit/s

95th percentile per-packet one-way delay: 143.870 ms

Loss rate: 0.91%

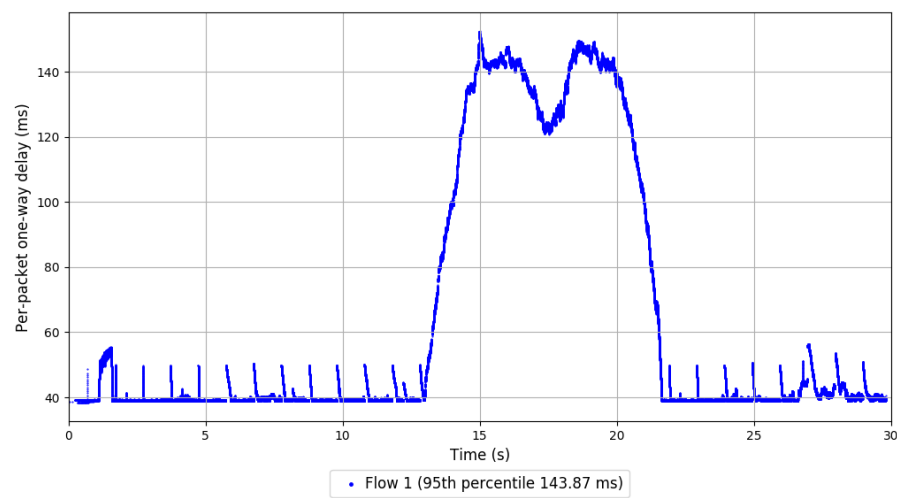
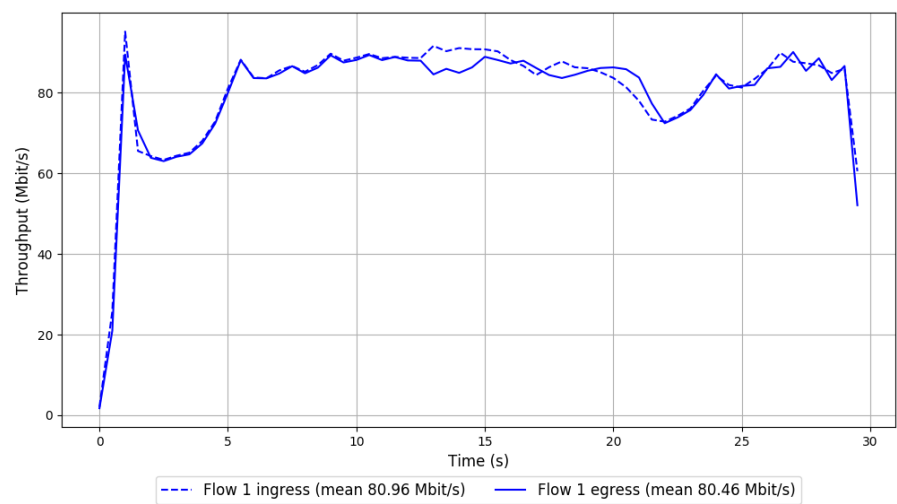
-- Flow 1:

Average throughput: 80.46 Mbit/s

95th percentile per-packet one-way delay: 143.870 ms

Loss rate: 0.91%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-09-21 19:58:51

End at: 2017-09-21 19:59:21

Local clock offset: -4.531 ms

Remote clock offset: 0.073 ms

# Below is generated by plot.py at 2017-09-21 22:32:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 32.92 Mbit/s

95th percentile per-packet one-way delay: 144.962 ms

Loss rate: 47.12%

-- Flow 1:

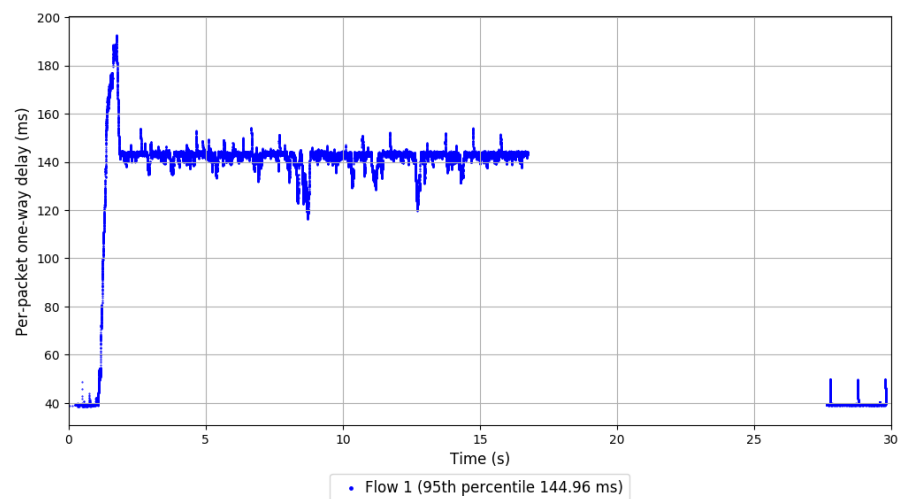
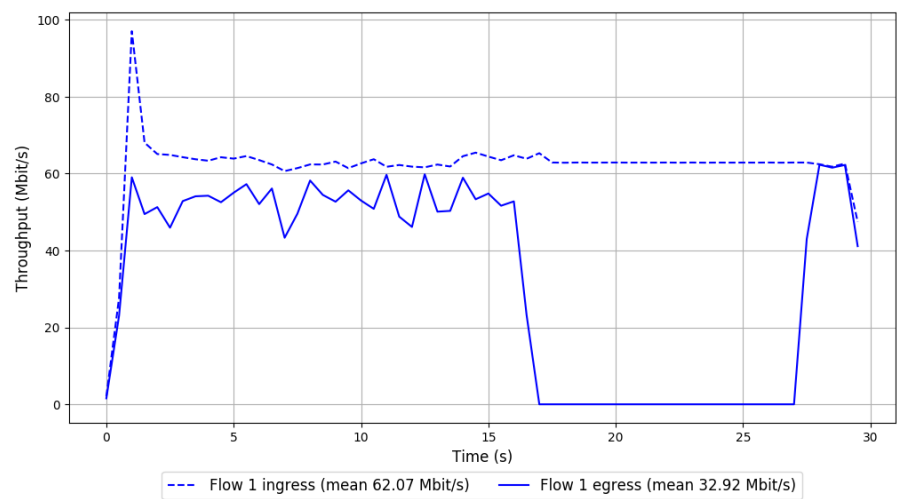
Average throughput: 32.92 Mbit/s

95th percentile per-packet one-way delay: 144.962 ms

Loss rate: 47.12%



Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2017-09-21 20:17:53

End at: 2017-09-21 20:18:23

Local clock offset: -3.92 ms

Remote clock offset: 0.214 ms

# Below is generated by plot.py at 2017-09-21 22:32:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.51 Mbit/s

95th percentile per-packet one-way delay: 46.183 ms

Loss rate: 0.96%

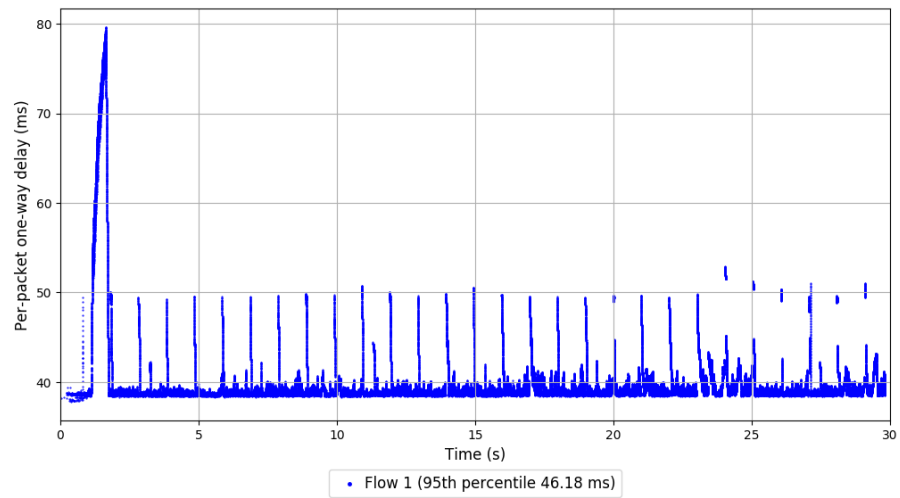
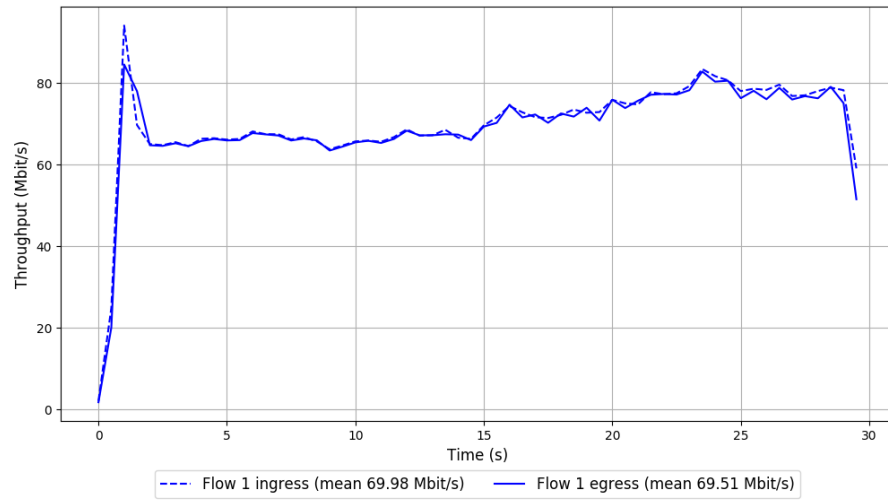
-- Flow 1:

Average throughput: 69.51 Mbit/s

95th percentile per-packet one-way delay: 46.183 ms

Loss rate: 0.96%

#### Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2017-09-21 20:37:11

End at: 2017-09-21 20:37:41

Local clock offset: -3.438 ms

Remote clock offset: 0.2 ms

# Below is generated by plot.py at 2017-09-21 22:32:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.13 Mbit/s

95th percentile per-packet one-way delay: 127.591 ms

Loss rate: 1.60%

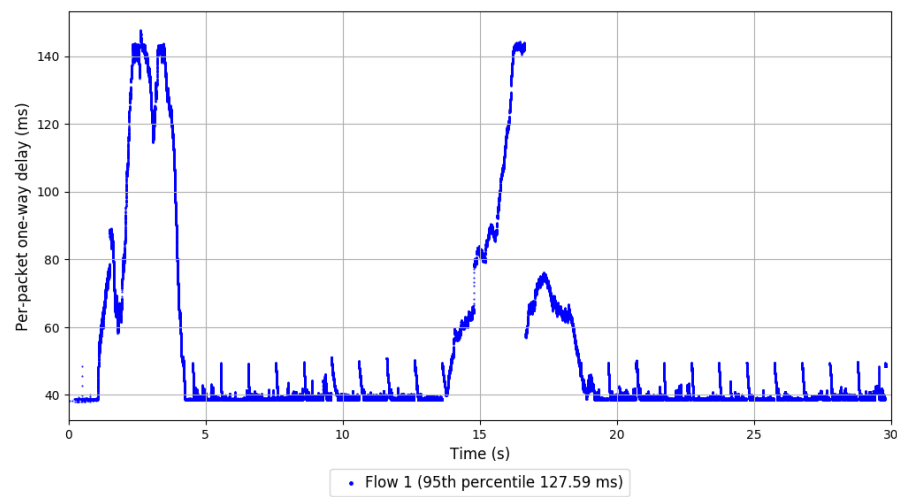
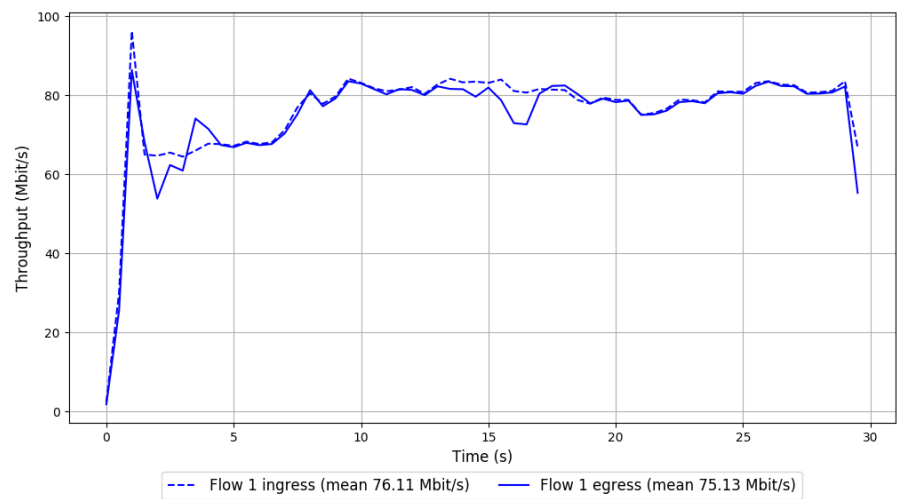
-- Flow 1:

Average throughput: 75.13 Mbit/s

95th percentile per-packet one-way delay: 127.591 ms

Loss rate: 1.60%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2017-09-21 20:56:44

End at: 2017-09-21 20:57:14

Local clock offset: -2.692 ms

Remote clock offset: 0.144 ms

# Below is generated by plot.py at 2017-09-21 22:32:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.18 Mbit/s

95th percentile per-packet one-way delay: 116.473 ms

Loss rate: 0.72%

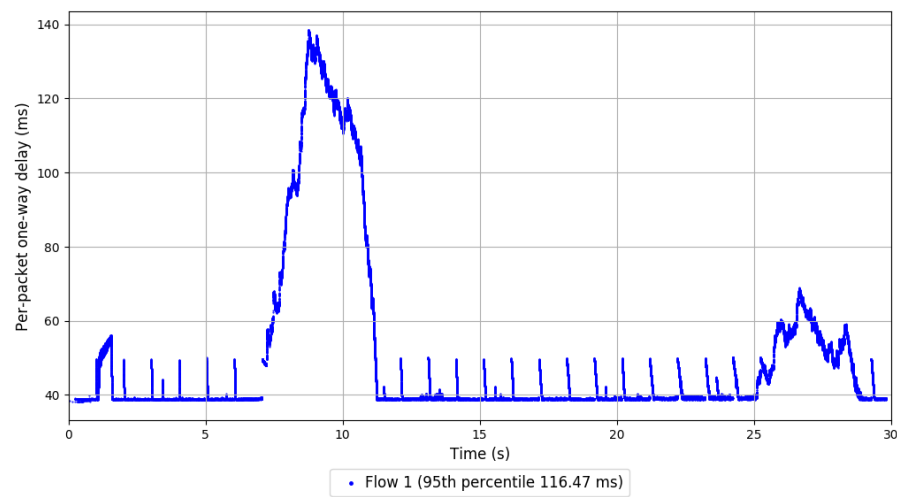
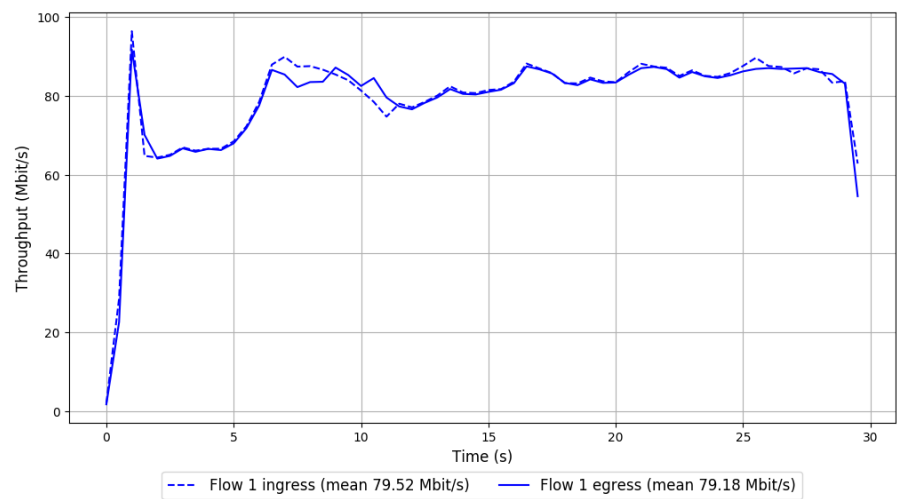
-- Flow 1:

Average throughput: 79.18 Mbit/s

95th percentile per-packet one-way delay: 116.473 ms

Loss rate: 0.72%

Run 6: Report of PCC — Data Link



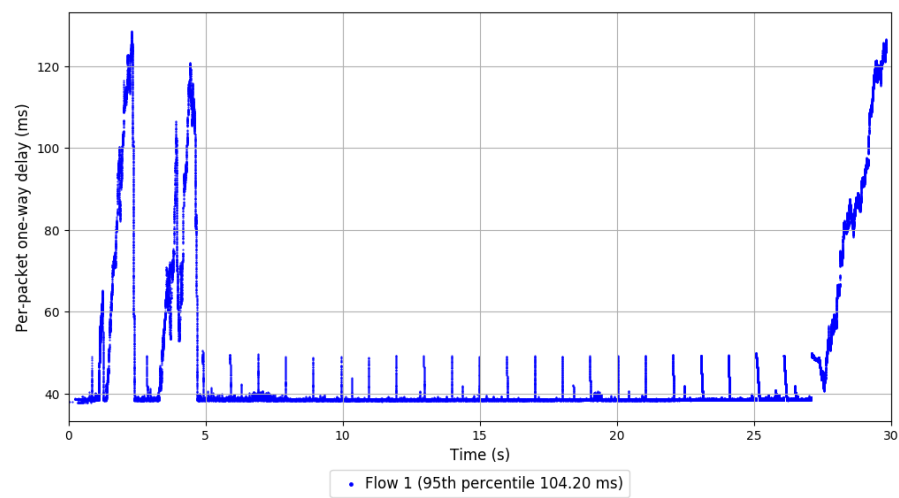
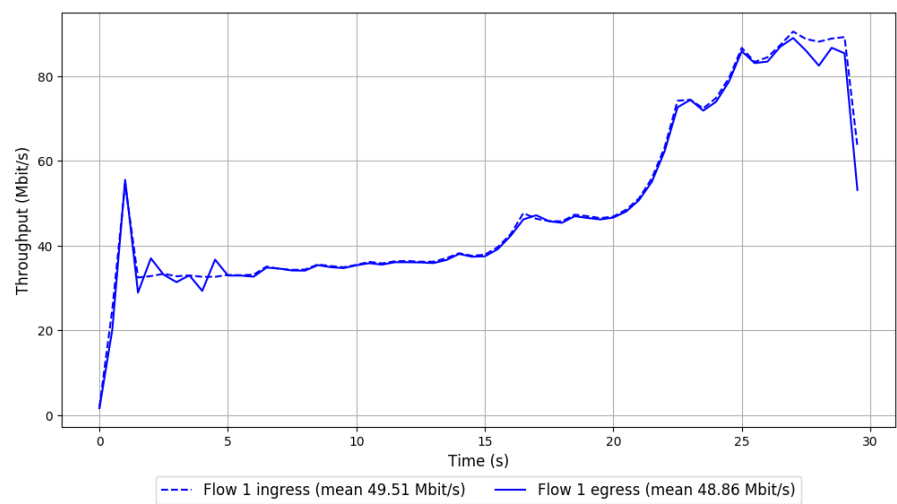
Run 7: Statistics of PCC

Start at: 2017-09-21 21:16:08  
End at: 2017-09-21 21:16:38  
Local clock offset: -1.784 ms  
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2017-09-21 22:32:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 48.86 Mbit/s  
95th percentile per-packet one-way delay: 104.203 ms  
Loss rate: 1.60%  
-- Flow 1:  
Average throughput: 48.86 Mbit/s  
95th percentile per-packet one-way delay: 104.203 ms  
Loss rate: 1.60%



Run 7: Report of PCC — Data Link

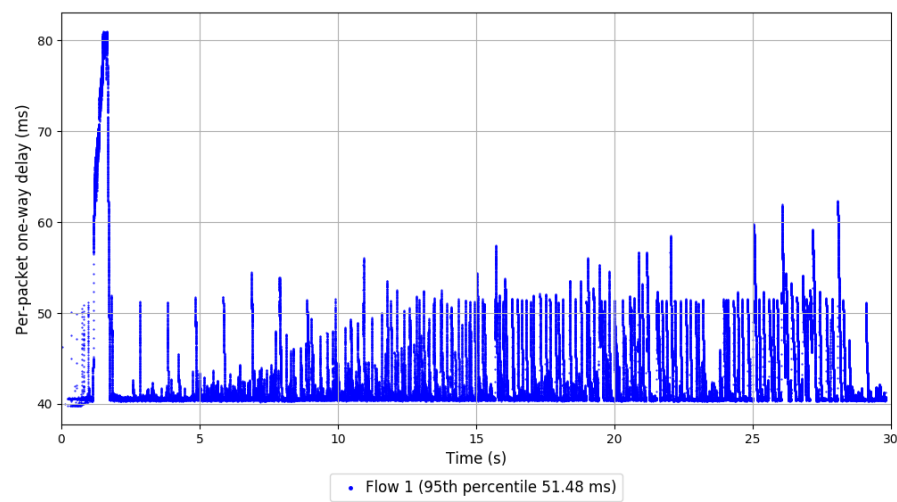
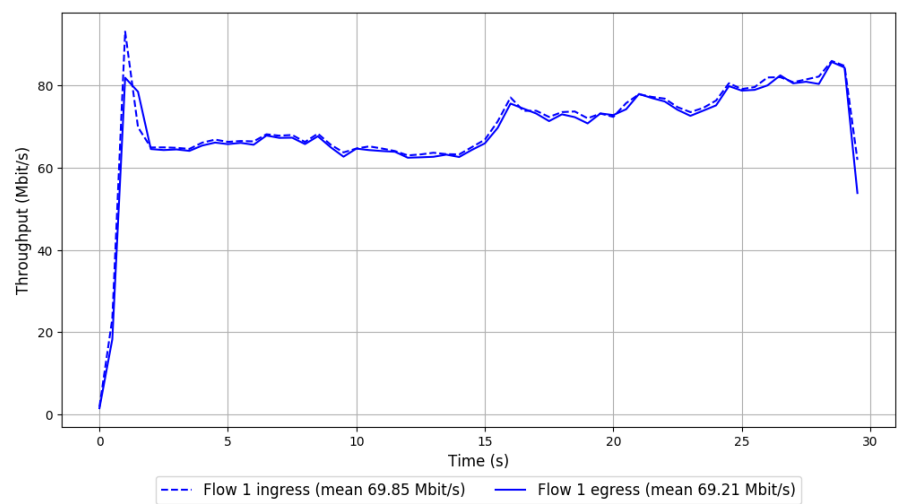


Run 8: Statistics of PCC

Start at: 2017-09-21 21:35:22  
End at: 2017-09-21 21:35:52  
Local clock offset: 0.069 ms  
Remote clock offset: -0.178 ms

# Below is generated by plot.py at 2017-09-21 22:33:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 69.21 Mbit/s  
95th percentile per-packet one-way delay: 51.476 ms  
Loss rate: 1.22%  
-- Flow 1:  
Average throughput: 69.21 Mbit/s  
95th percentile per-packet one-way delay: 51.476 ms  
Loss rate: 1.22%

Run 8: Report of PCC — Data Link

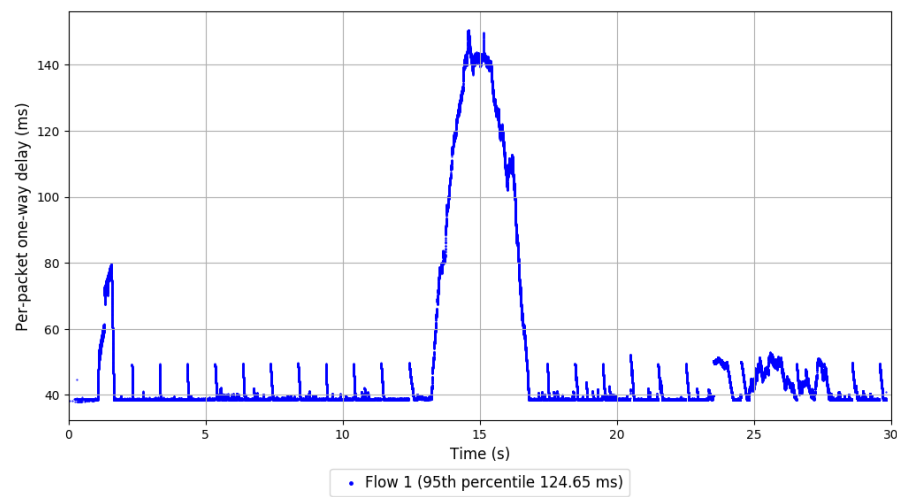
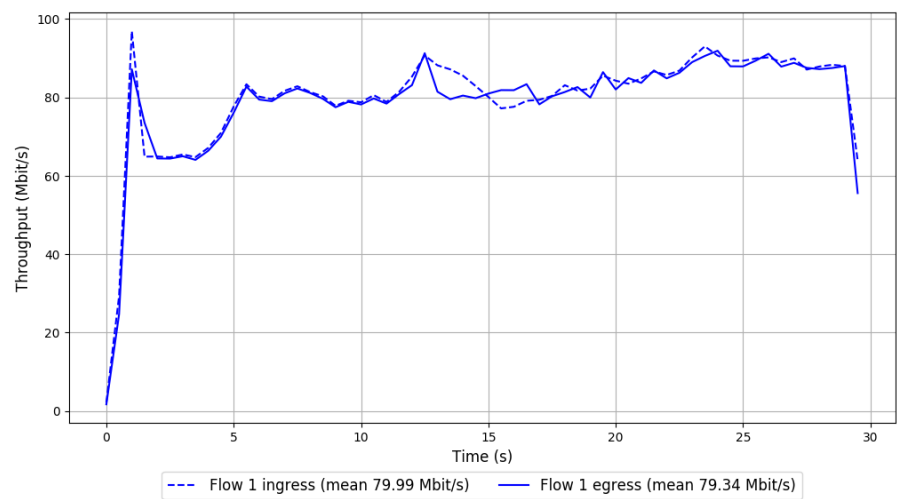


Run 9: Statistics of PCC

Start at: 2017-09-21 21:55:23  
End at: 2017-09-21 21:55:53  
Local clock offset: -0.748 ms  
Remote clock offset: -0.327 ms

# Below is generated by plot.py at 2017-09-21 22:33:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.34 Mbit/s  
95th percentile per-packet one-way delay: 124.646 ms  
Loss rate: 1.09%  
-- Flow 1:  
Average throughput: 79.34 Mbit/s  
95th percentile per-packet one-way delay: 124.646 ms  
Loss rate: 1.09%

Run 9: Report of PCC — Data Link

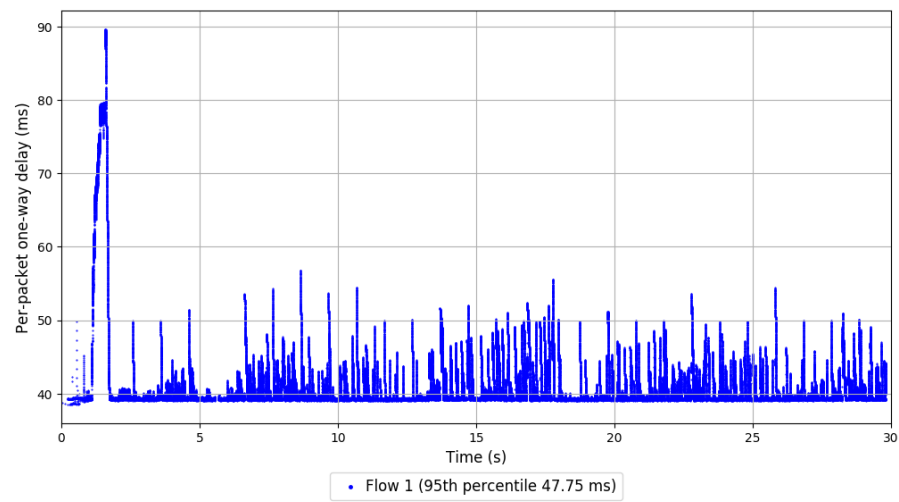
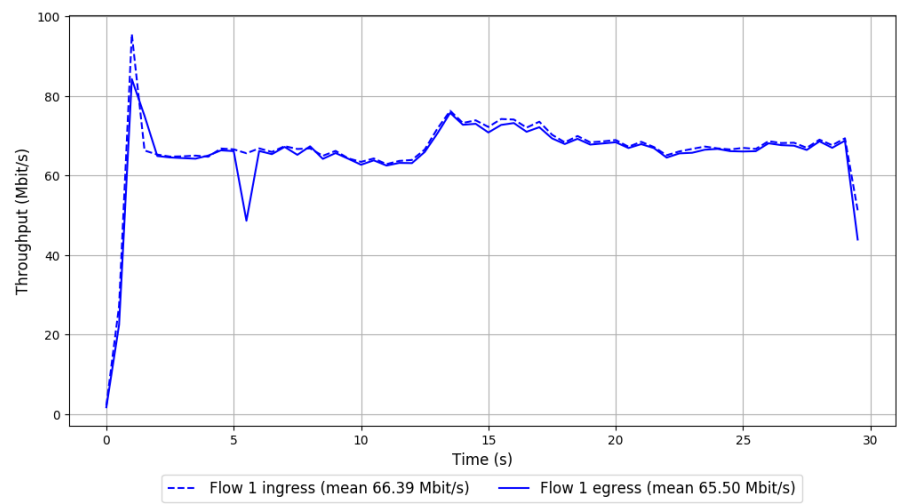


Run 10: Statistics of PCC

Start at: 2017-09-21 22:15:50  
End at: 2017-09-21 22:16:20  
Local clock offset: -0.45 ms  
Remote clock offset: -0.488 ms

# Below is generated by plot.py at 2017-09-21 22:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 65.50 Mbit/s  
95th percentile per-packet one-way delay: 47.751 ms  
Loss rate: 1.64%  
-- Flow 1:  
Average throughput: 65.50 Mbit/s  
95th percentile per-packet one-way delay: 47.751 ms  
Loss rate: 1.64%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2017-09-21 19:24:53

End at: 2017-09-21 19:25:23

Local clock offset: -3.9 ms

Remote clock offset: -0.184 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.00 Mbit/s

95th percentile per-packet one-way delay: 39.485 ms

Loss rate: 0.83%

-- Flow 1:

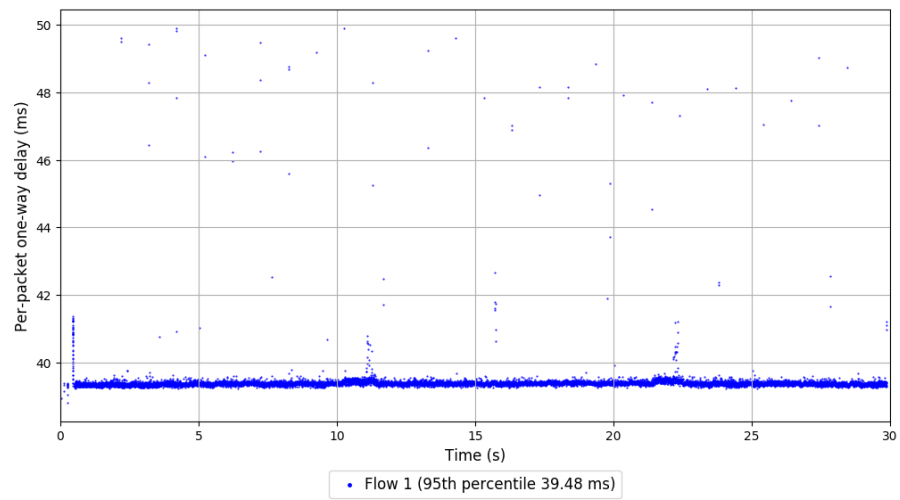
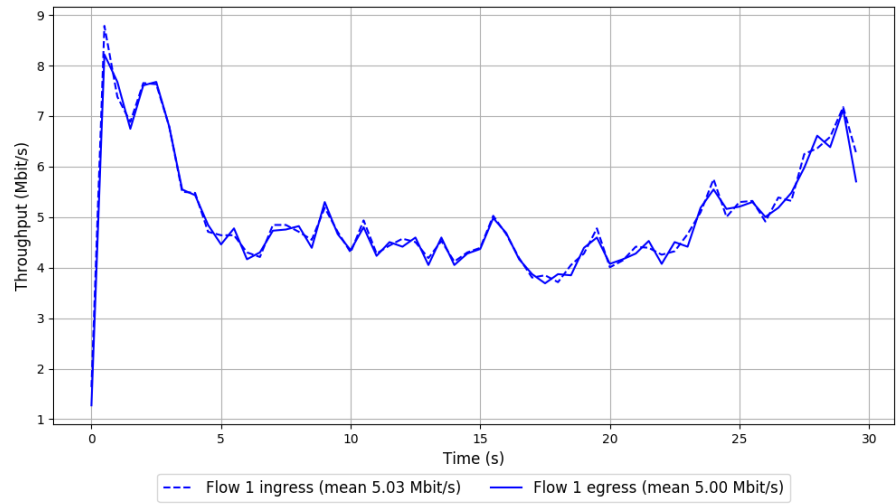
Average throughput: 5.00 Mbit/s

95th percentile per-packet one-way delay: 39.485 ms

Loss rate: 0.83%



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



Run 2: Statistics of QUIC Cubic

Start at: 2017-09-21 19:44:17

End at: 2017-09-21 19:44:47

Local clock offset: -4.188 ms

Remote clock offset: 0.047 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.07 Mbit/s

95th percentile per-packet one-way delay: 41.446 ms

Loss rate: 0.91%

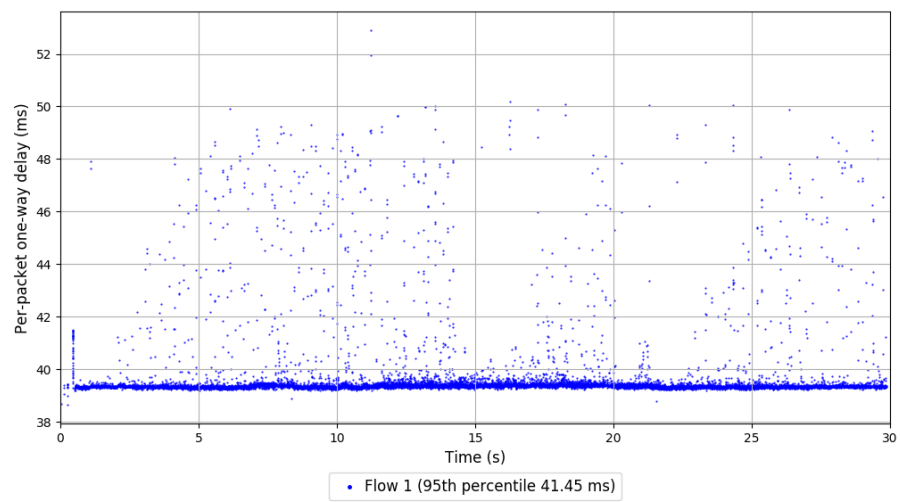
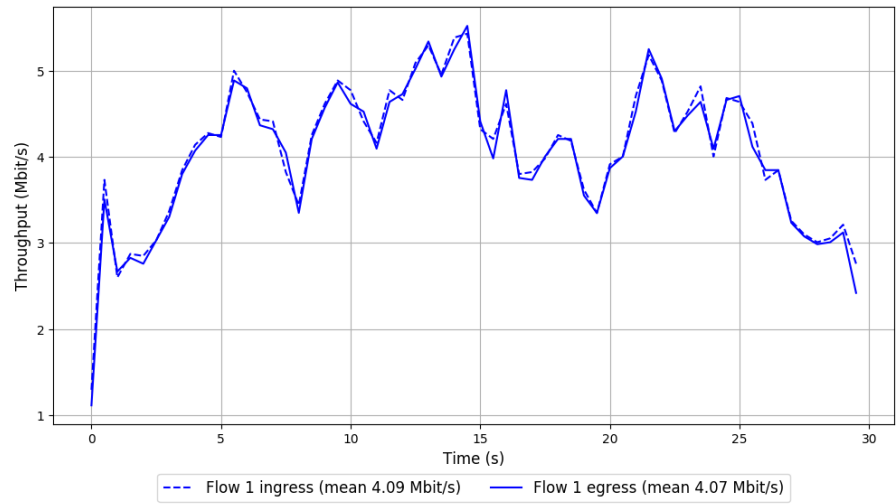
-- Flow 1:

Average throughput: 4.07 Mbit/s

95th percentile per-packet one-way delay: 41.446 ms

Loss rate: 0.91%

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



Run 3: Statistics of QUIC Cubic

Start at: 2017-09-21 20:03:35

End at: 2017-09-21 20:04:05

Local clock offset: -3.203 ms

Remote clock offset: 0.099 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 40.285 ms

Loss rate: 0.52%

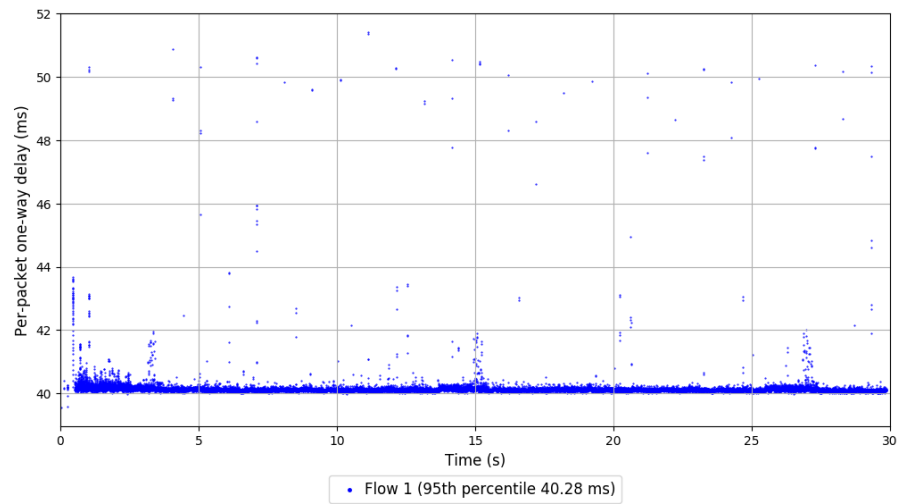
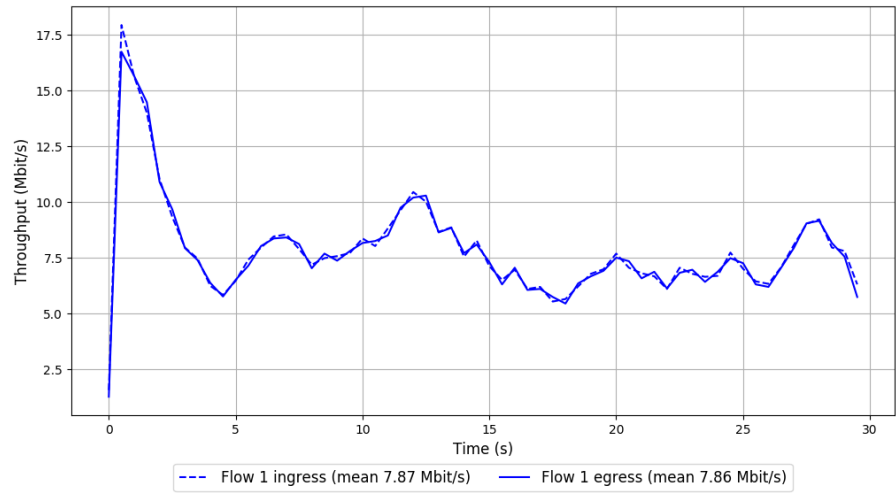
-- Flow 1:

Average throughput: 7.86 Mbit/s

95th percentile per-packet one-way delay: 40.285 ms

Loss rate: 0.52%

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



Run 4: Statistics of QUIC Cubic

Start at: 2017-09-21 20:22:29

End at: 2017-09-21 20:22:59

Local clock offset: -3.973 ms

Remote clock offset: 0.313 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.74 Mbit/s

95th percentile per-packet one-way delay: 38.643 ms

Loss rate: 0.45%

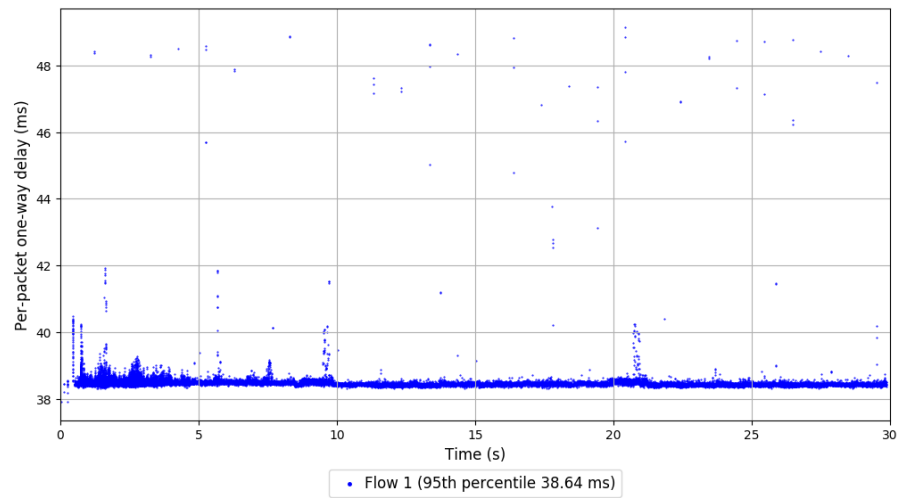
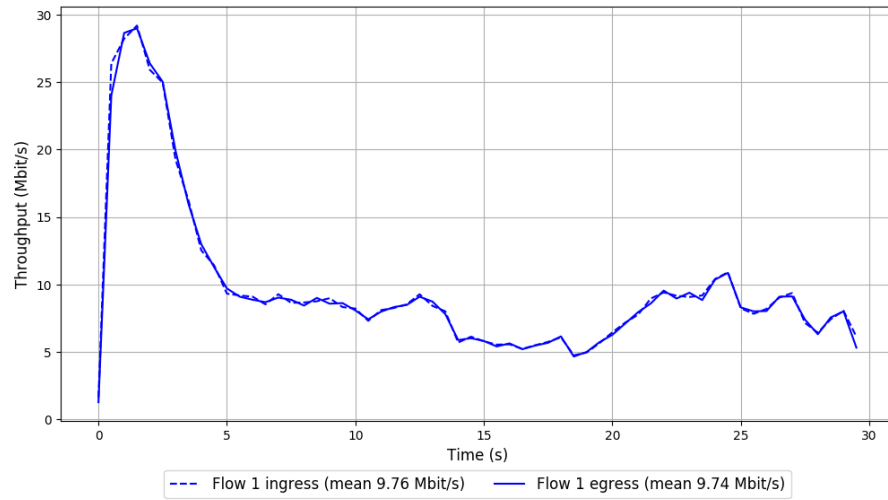
-- Flow 1:

Average throughput: 9.74 Mbit/s

95th percentile per-packet one-way delay: 38.643 ms

Loss rate: 0.45%

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



Run 5: Statistics of QUIC Cubic

Start at: 2017-09-21 20:42:00

End at: 2017-09-21 20:42:30

Local clock offset: -2.101 ms

Remote clock offset: 0.202 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.42 Mbit/s

95th percentile per-packet one-way delay: 39.926 ms

Loss rate: 0.57%

-- Flow 1:

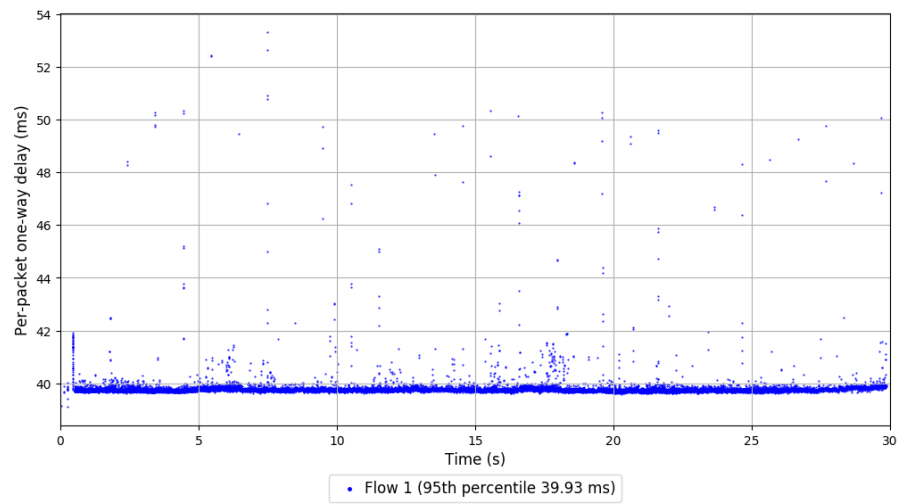
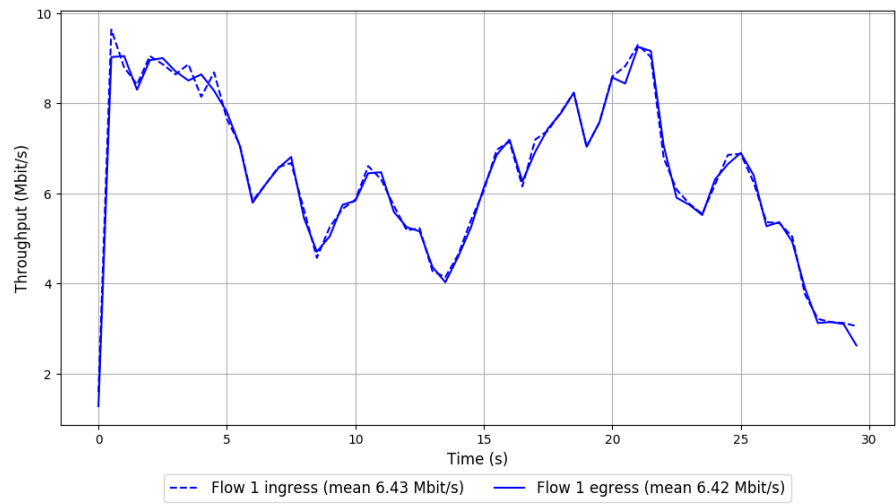
Average throughput: 6.42 Mbit/s

95th percentile per-packet one-way delay: 39.926 ms

Loss rate: 0.57%



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



Run 6: Statistics of QUIC Cubic

Start at: 2017-09-21 21:01:36

End at: 2017-09-21 21:02:06

Local clock offset: -2.338 ms

Remote clock offset: 0.134 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.43 Mbit/s

95th percentile per-packet one-way delay: 40.703 ms

Loss rate: 0.80%

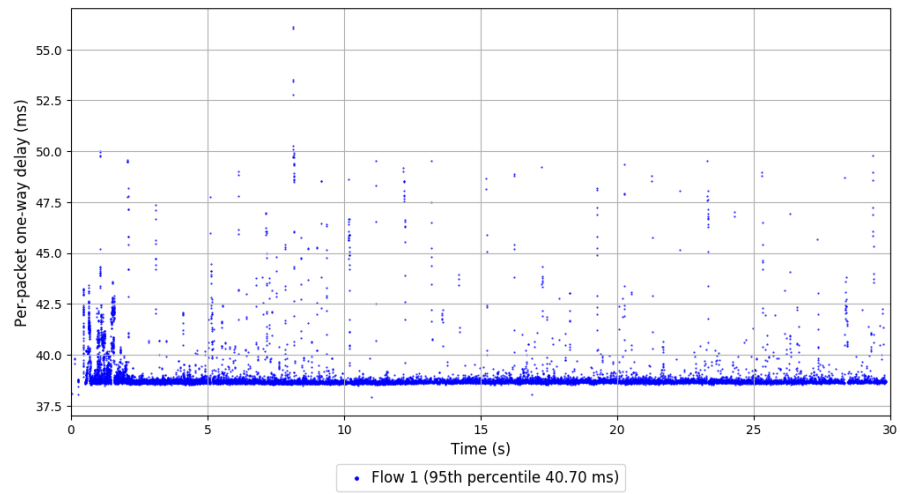
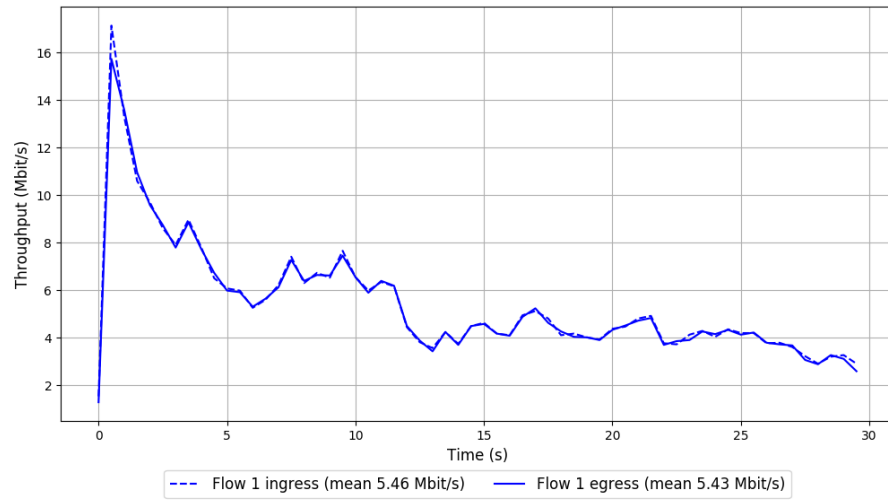
-- Flow 1:

Average throughput: 5.43 Mbit/s

95th percentile per-packet one-way delay: 40.703 ms

Loss rate: 0.80%

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

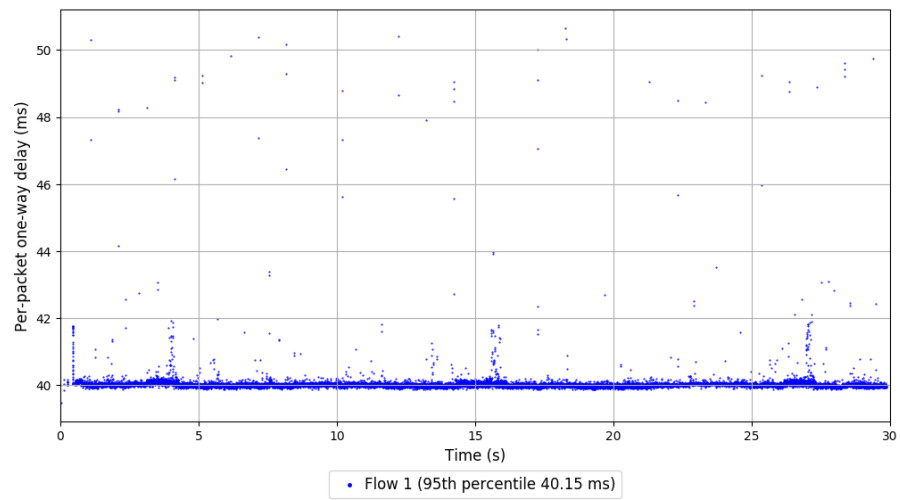
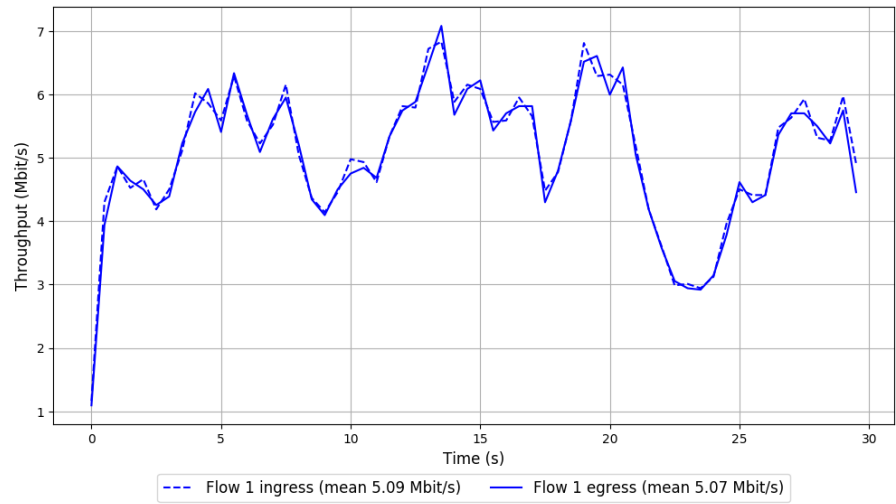


Run 7: Statistics of QUIC Cubic

Start at: 2017-09-21 21:20:38  
End at: 2017-09-21 21:21:08  
Local clock offset: -0.607 ms  
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2017-09-21 22:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 5.07 Mbit/s  
95th percentile per-packet one-way delay: 40.152 ms  
Loss rate: 0.77%  
-- Flow 1:  
Average throughput: 5.07 Mbit/s  
95th percentile per-packet one-way delay: 40.152 ms  
Loss rate: 0.77%

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

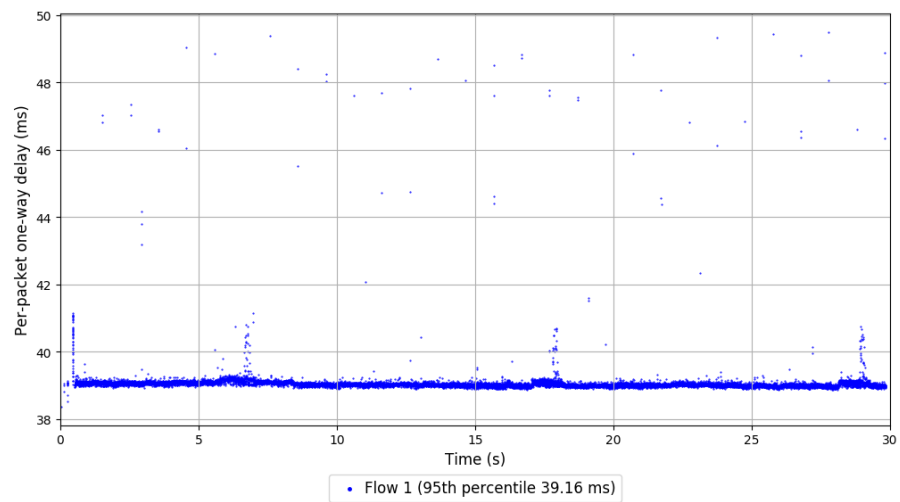
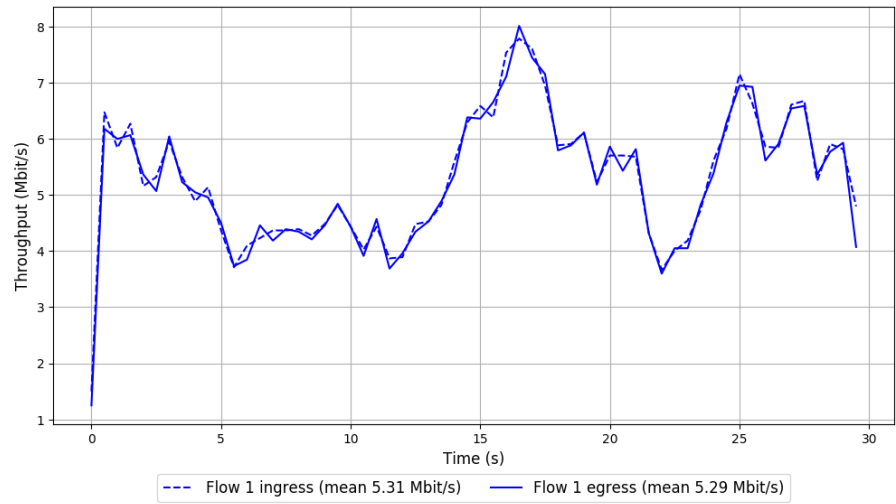


Run 8: Statistics of QUIC Cubic

Start at: 2017-09-21 21:40:30  
End at: 2017-09-21 21:41:00  
Local clock offset: -1.016 ms  
Remote clock offset: -0.168 ms

# Below is generated by plot.py at 2017-09-21 22:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 5.29 Mbit/s  
95th percentile per-packet one-way delay: 39.162 ms  
Loss rate: 0.76%  
-- Flow 1:  
Average throughput: 5.29 Mbit/s  
95th percentile per-packet one-way delay: 39.162 ms  
Loss rate: 0.76%

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



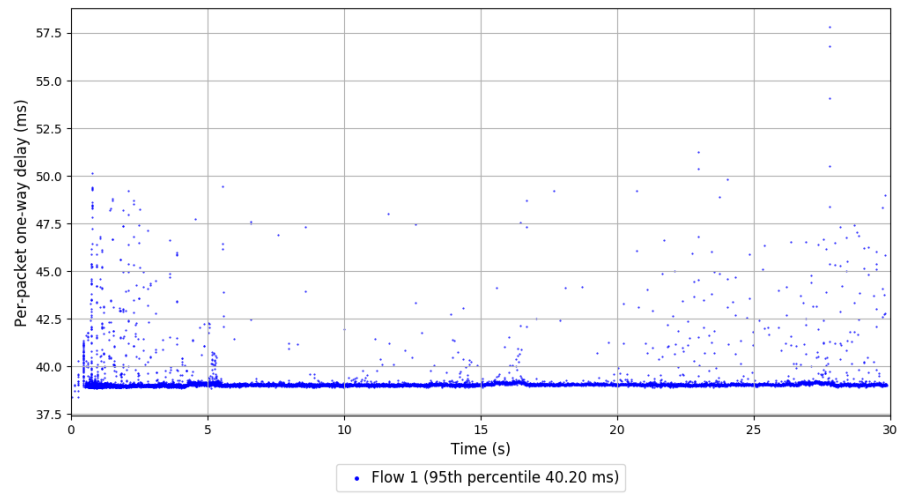
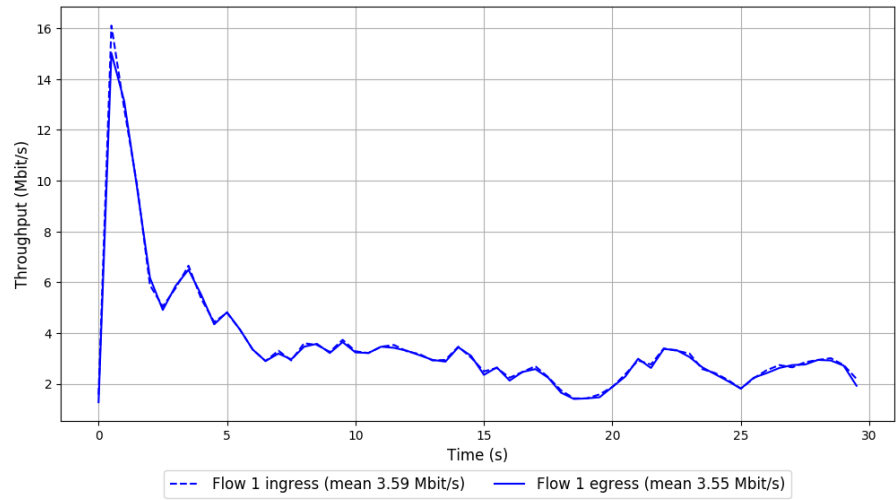
Run 9: Statistics of QUIC Cubic

Start at: 2017-09-21 22:00:47  
End at: 2017-09-21 22:01:17  
Local clock offset: -0.688 ms  
Remote clock offset: -0.315 ms

# Below is generated by plot.py at 2017-09-21 22:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.55 Mbit/s  
95th percentile per-packet one-way delay: 40.205 ms  
Loss rate: 1.39%  
-- Flow 1:  
Average throughput: 3.55 Mbit/s  
95th percentile per-packet one-way delay: 40.205 ms  
Loss rate: 1.39%



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



Run 10: Statistics of QUIC Cubic

Start at: 2017-09-21 22:21:38

End at: 2017-09-21 22:22:08

Local clock offset: -0.551 ms

Remote clock offset: -0.521 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.44 Mbit/s

95th percentile per-packet one-way delay: 40.739 ms

Loss rate: 1.02%

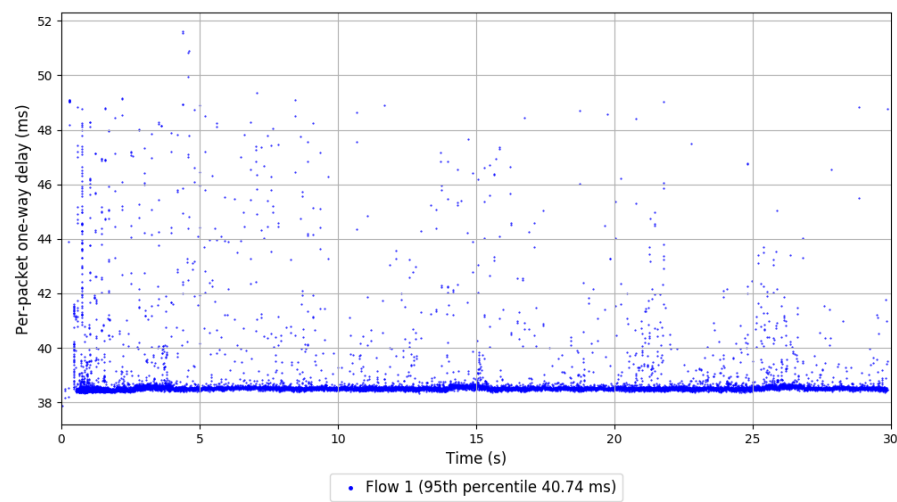
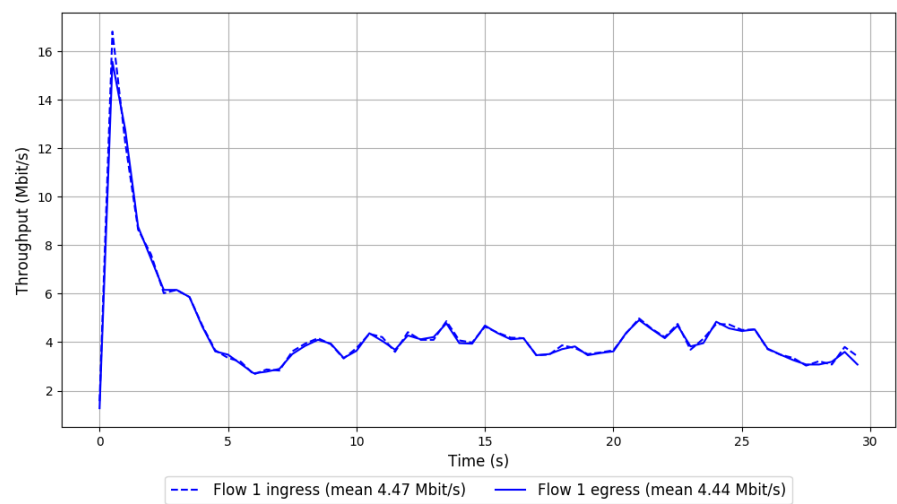
-- Flow 1:

Average throughput: 4.44 Mbit/s

95th percentile per-packet one-way delay: 40.739 ms

Loss rate: 1.02%

Run 10: Report of QUIC Cubic — Data Link

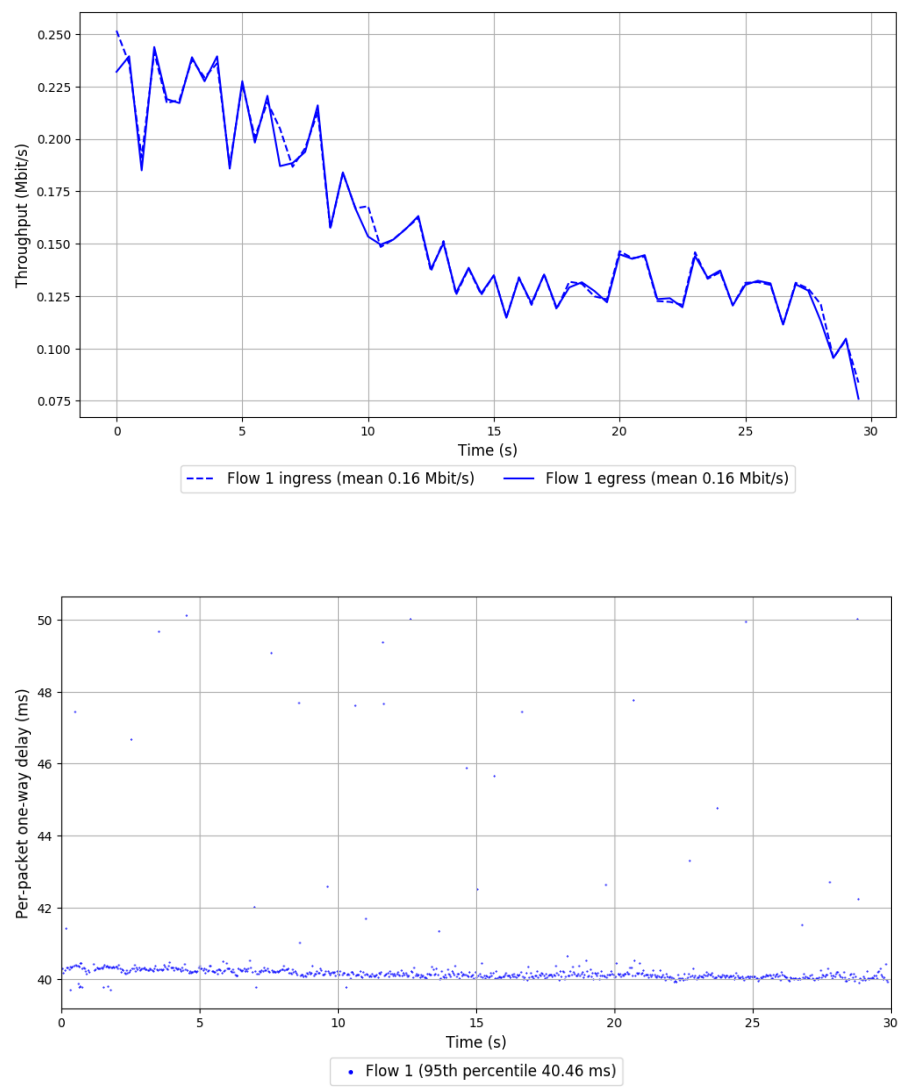


Run 1: Statistics of SCReAM

Start at: 2017-09-21 19:17:17  
End at: 2017-09-21 19:17:47  
Local clock offset: -2.588 ms  
Remote clock offset: -0.399 ms

# Below is generated by plot.py at 2017-09-21 22:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.16 Mbit/s  
95th percentile per-packet one-way delay: 40.459 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 0.16 Mbit/s  
95th percentile per-packet one-way delay: 40.459 ms  
Loss rate: 0.61%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

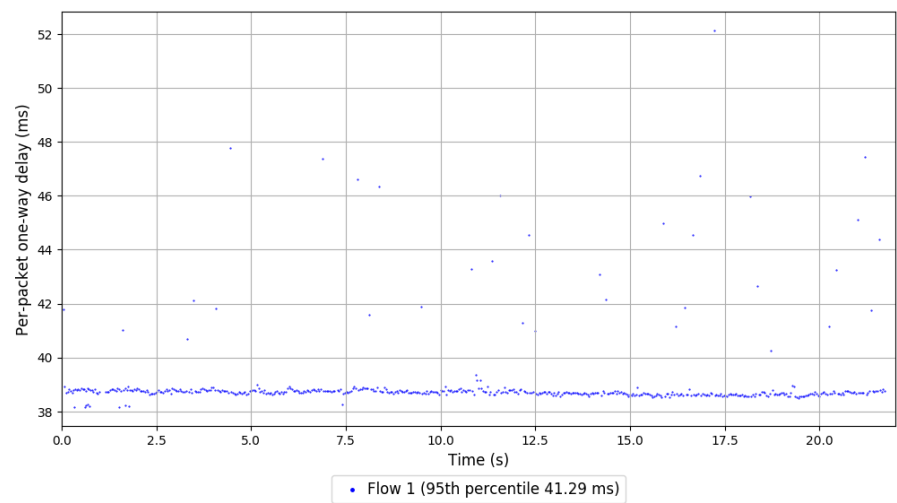
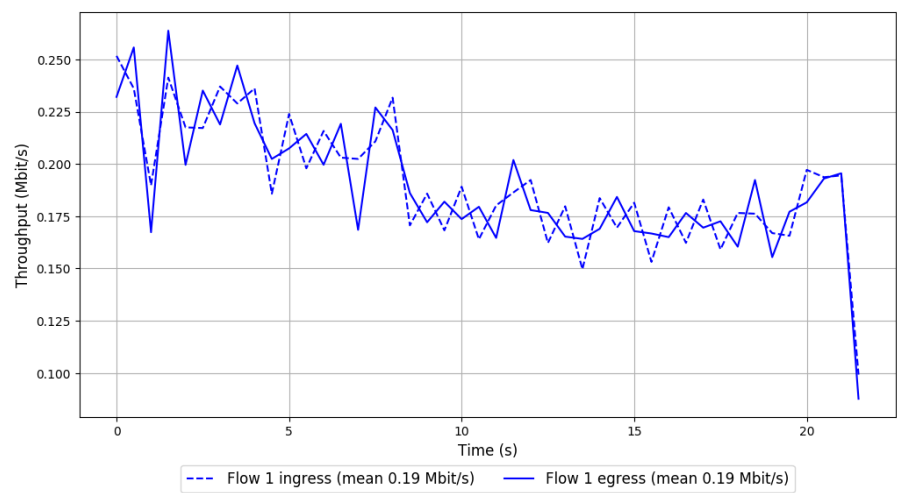
Start at: 2017-09-21 19:36:15

End at: 2017-09-21 19:36:45

Local clock offset: -4.221 ms

Remote clock offset: -0.034 ms

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2017-09-21 19:56:20

End at: 2017-09-21 19:56:50

Local clock offset: -4.407 ms

Remote clock offset: 0.081 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 63.876 ms

Loss rate: 0.60%

-- Flow 1:

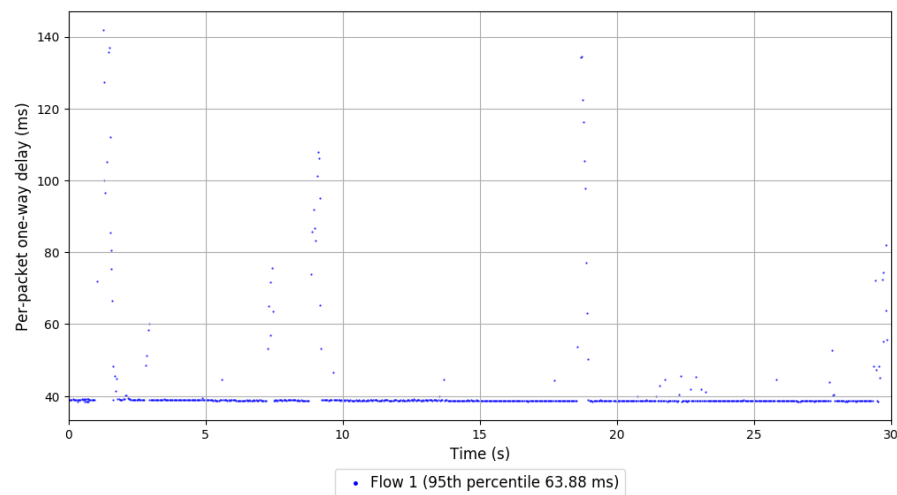
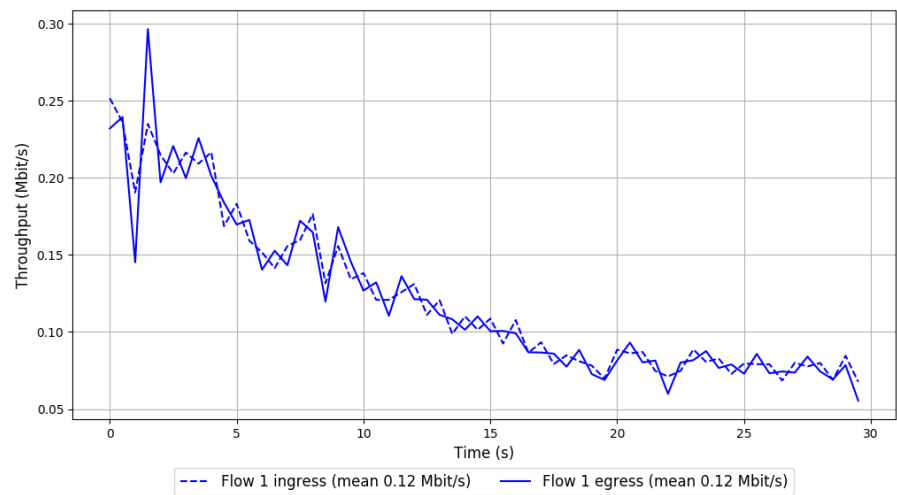
Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 63.876 ms

Loss rate: 0.60%



Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2017-09-21 20:15:07

End at: 2017-09-21 20:15:37

Local clock offset: -2.812 ms

Remote clock offset: 0.177 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 40.125 ms

Loss rate: 0.49%

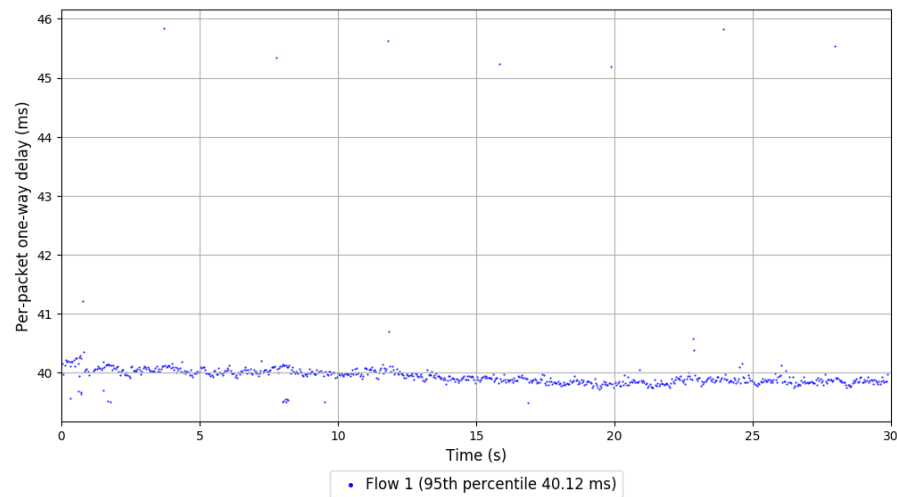
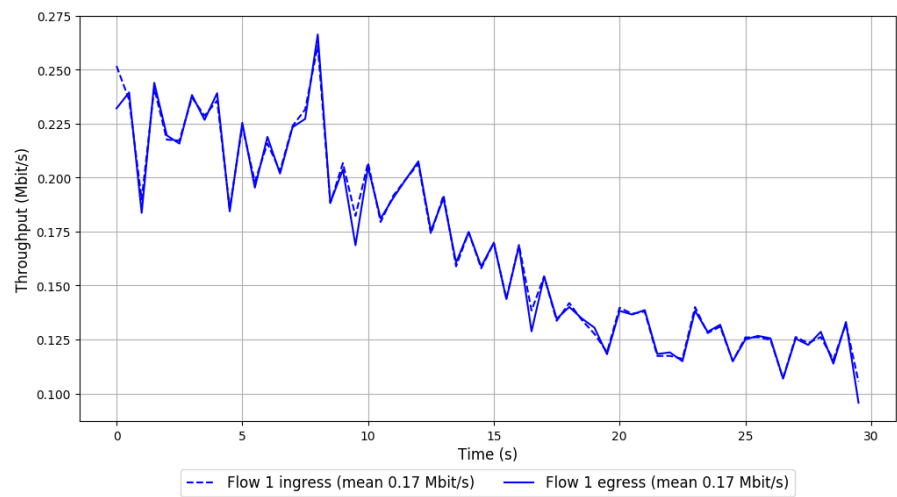
-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 40.125 ms

Loss rate: 0.49%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

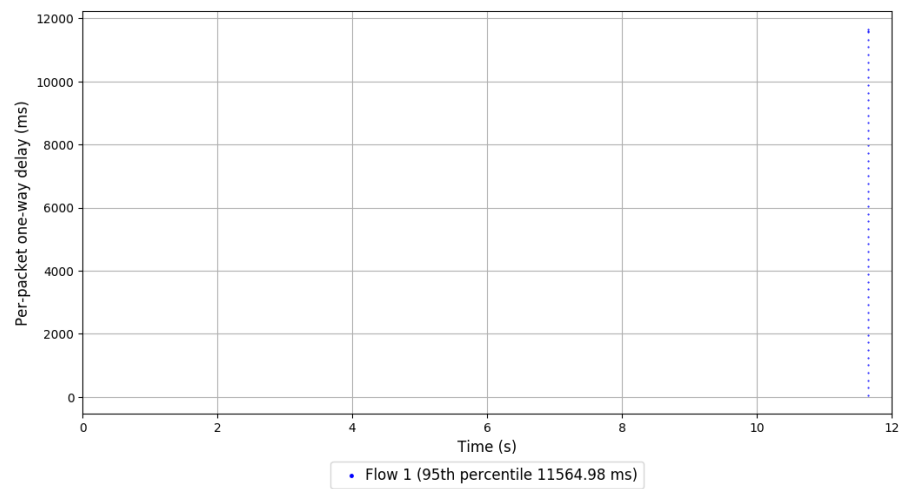
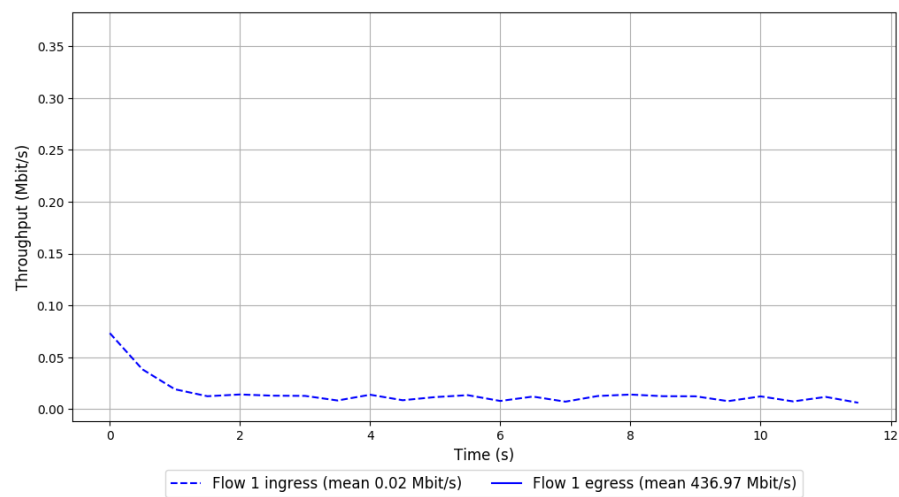
Start at: 2017-09-21 20:34:23

End at: 2017-09-21 20:34:53

Local clock offset: -2.374 ms

Remote clock offset: 0.241 ms

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2017-09-21 20:53:56

End at: 2017-09-21 20:54:26

Local clock offset: -1.53 ms

Remote clock offset: 0.156 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 40.474 ms

Loss rate: 0.26%

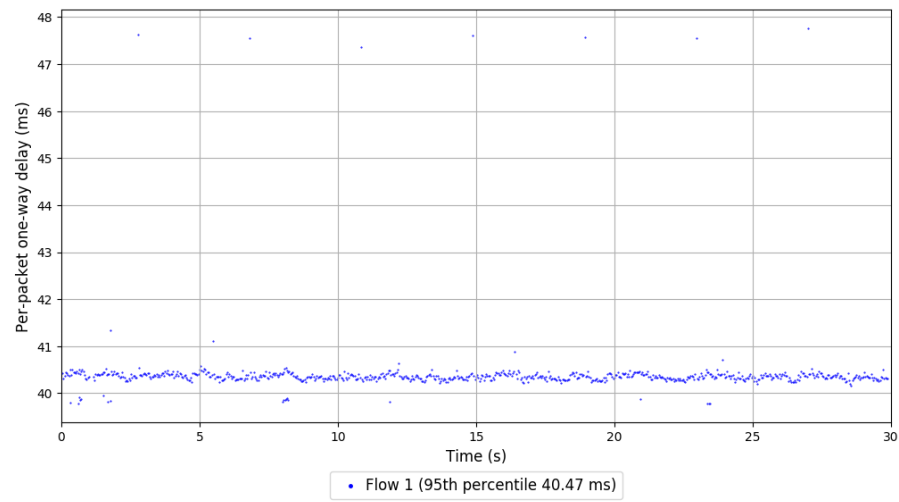
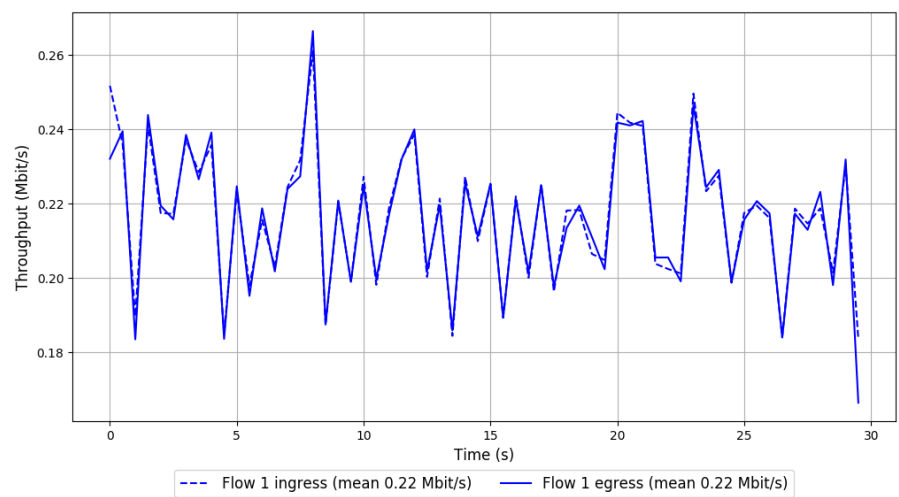
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 40.474 ms

Loss rate: 0.26%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2017-09-21 21:13:33

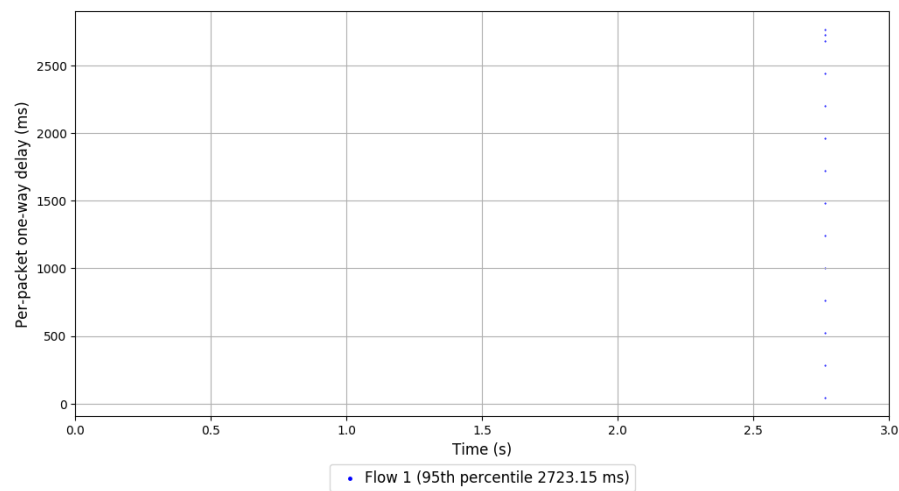
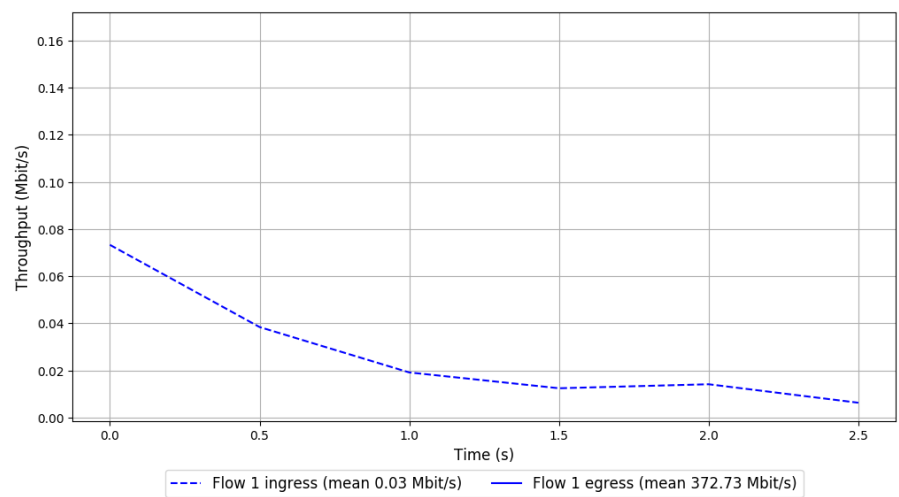
End at: 2017-09-21 21:14:03

Local clock offset: -1.927 ms

Remote clock offset: -0.201 ms



Run 7: Report of SReAM — Data Link

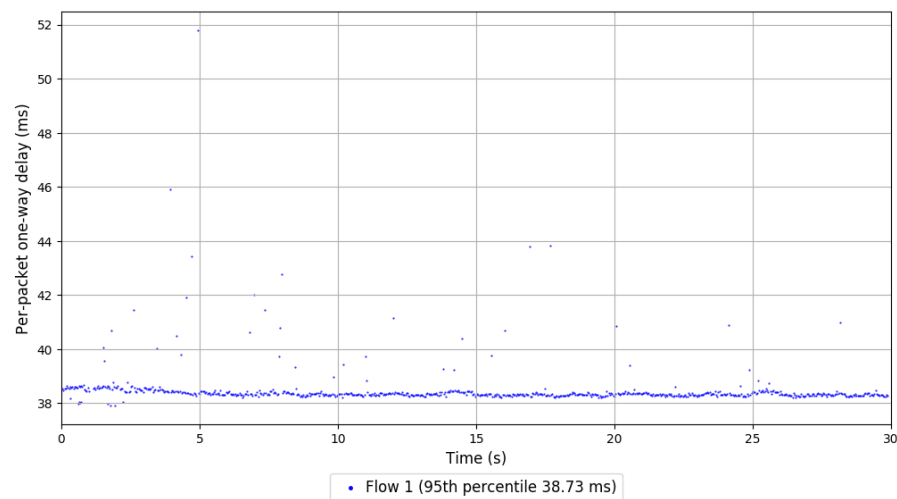
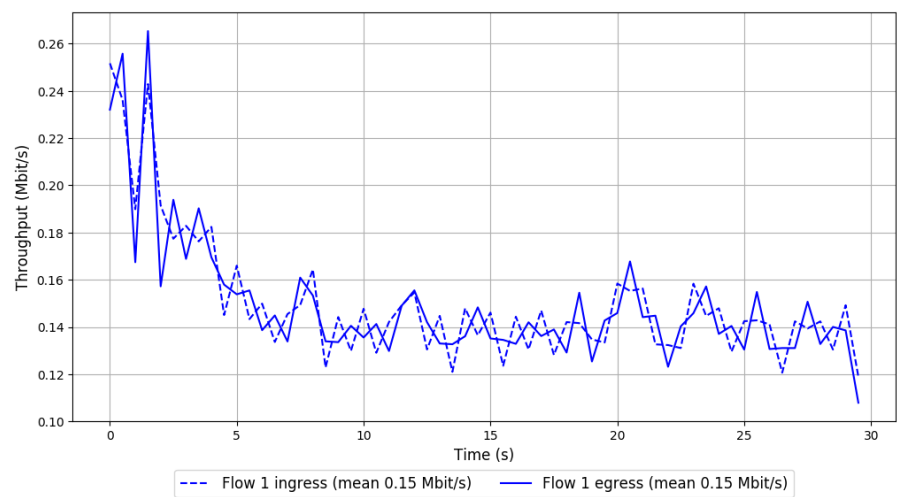


Run 8: Statistics of SCReAM

Start at: 2017-09-21 21:32:46  
End at: 2017-09-21 21:33:16  
Local clock offset: -1.283 ms  
Remote clock offset: -0.151 ms

# Below is generated by plot.py at 2017-09-21 22:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.15 Mbit/s  
95th percentile per-packet one-way delay: 38.734 ms  
Loss rate: 0.44%  
-- Flow 1:  
Average throughput: 0.15 Mbit/s  
95th percentile per-packet one-way delay: 38.734 ms  
Loss rate: 0.44%

Run 8: Report of SReAM — Data Link

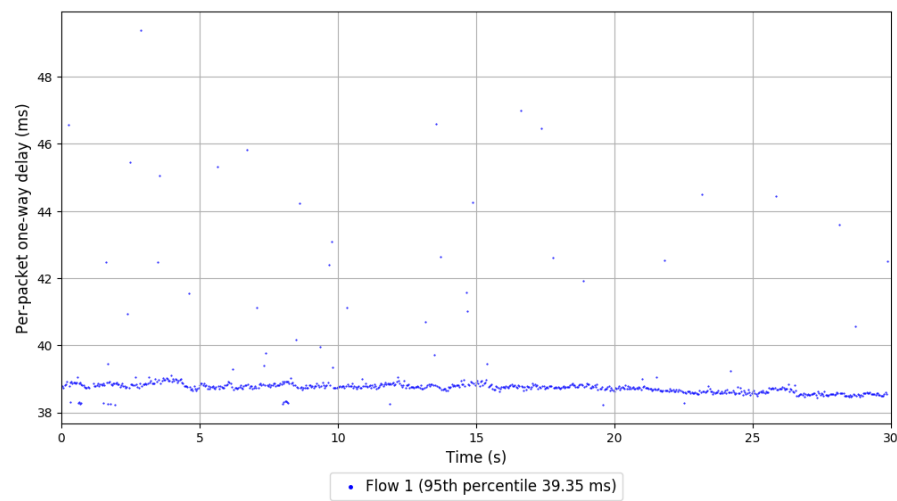
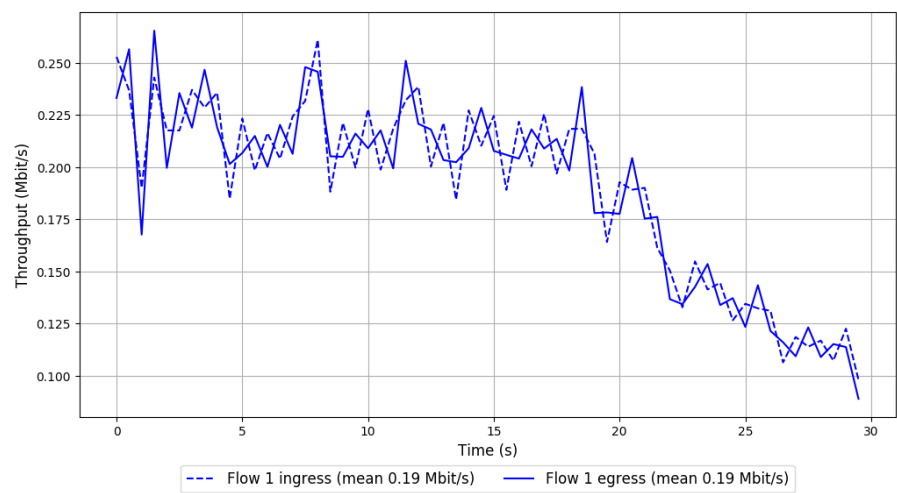


Run 9: Statistics of SCReAM

Start at: 2017-09-21 21:52:42  
End at: 2017-09-21 21:53:12  
Local clock offset: -0.991 ms  
Remote clock offset: -0.339 ms

# Below is generated by plot.py at 2017-09-21 22:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.19 Mbit/s  
95th percentile per-packet one-way delay: 39.355 ms  
Loss rate: 0.39%  
-- Flow 1:  
Average throughput: 0.19 Mbit/s  
95th percentile per-packet one-way delay: 39.355 ms  
Loss rate: 0.39%

Run 9: Report of SReAM — Data Link

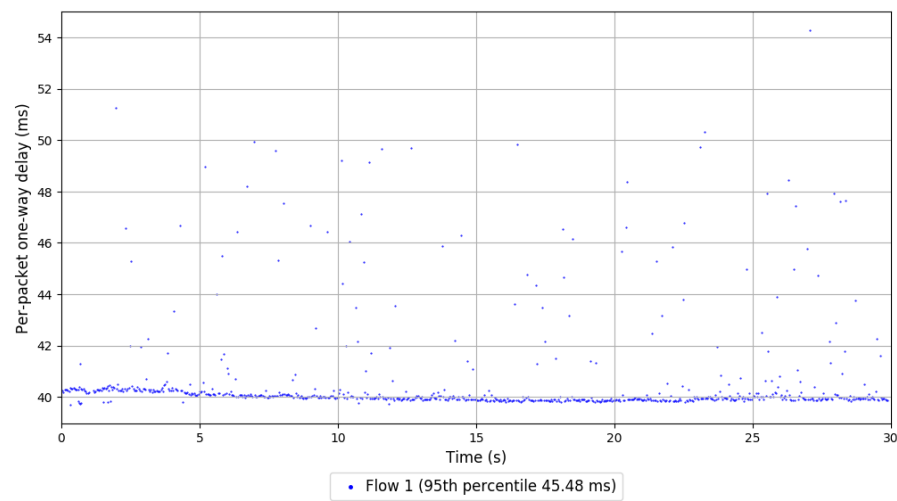
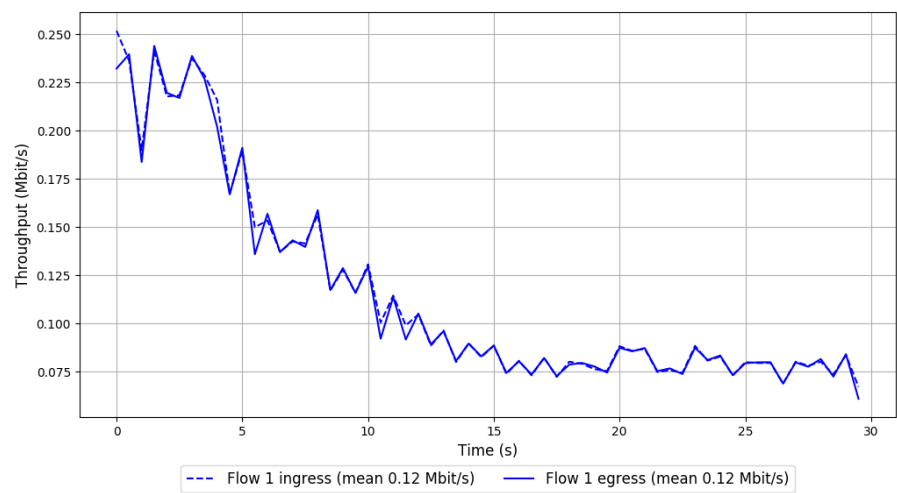


Run 10: Statistics of SCReAM

Start at: 2017-09-21 22:13:07  
End at: 2017-09-21 22:13:37  
Local clock offset: 0.534 ms  
Remote clock offset: -0.431 ms

# Below is generated by plot.py at 2017-09-21 22:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.12 Mbit/s  
95th percentile per-packet one-way delay: 45.481 ms  
Loss rate: 0.90%  
-- Flow 1:  
Average throughput: 0.12 Mbit/s  
95th percentile per-packet one-way delay: 45.481 ms  
Loss rate: 0.90%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of WebRTC media

Start at: 2017-09-21 19:14:59

End at: 2017-09-21 19:15:29

Local clock offset: -2.768 ms

Remote clock offset: -0.27 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.92 Mbit/s

95th percentile per-packet one-way delay: 40.181 ms

Loss rate: 0.50%

-- Flow 1:

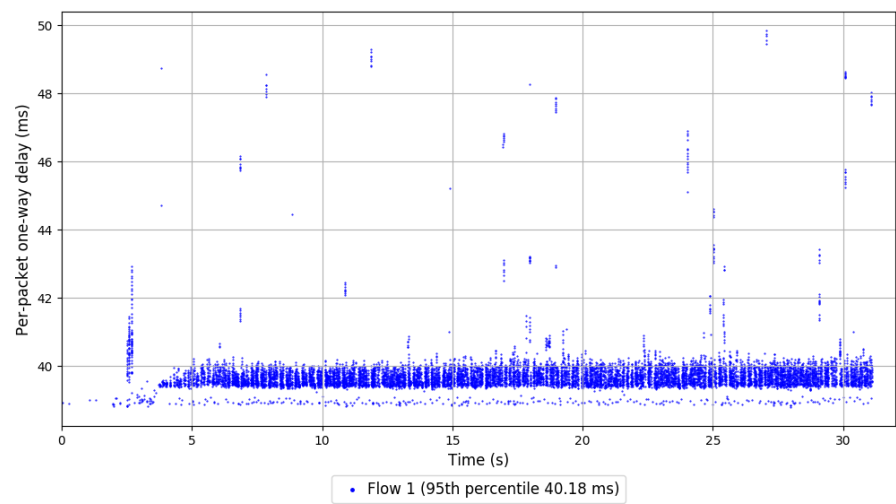
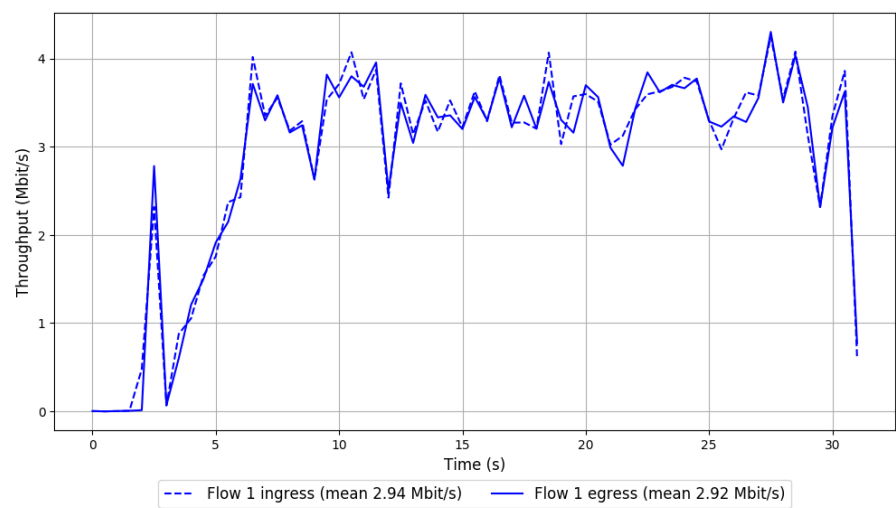
Average throughput: 2.92 Mbit/s

95th percentile per-packet one-way delay: 40.181 ms

Loss rate: 0.50%



Run 1: Report of WebRTC media — Data Link

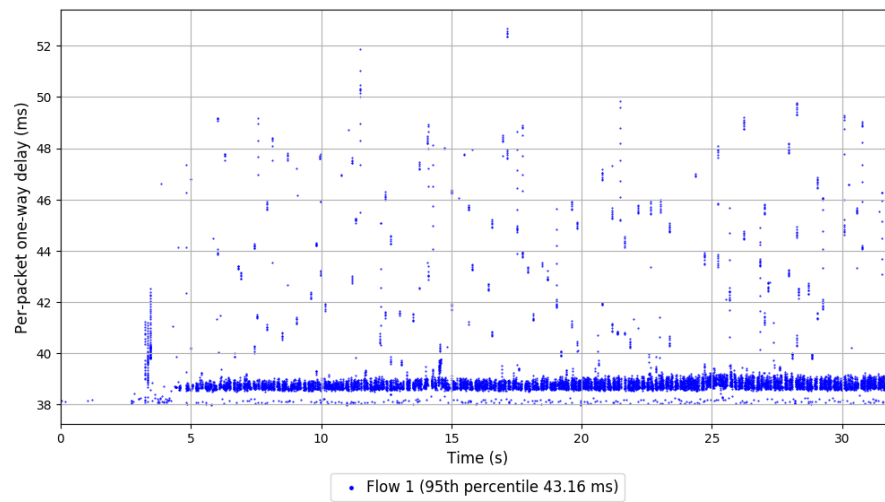
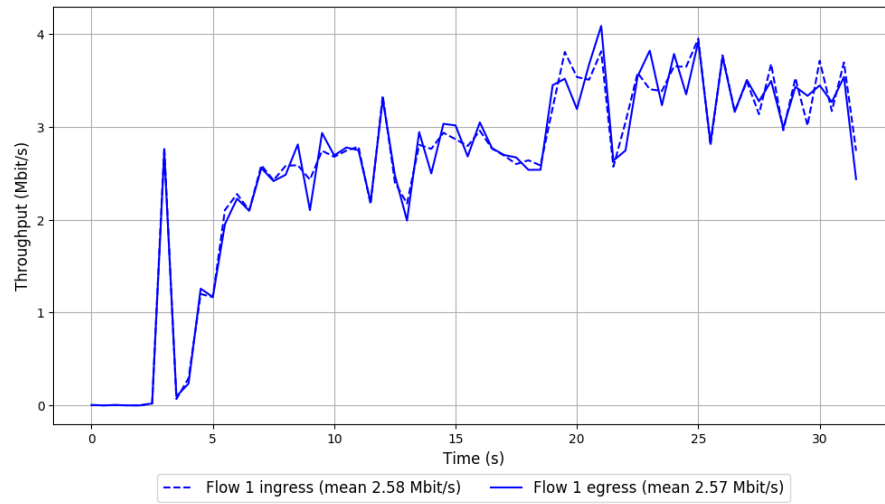


Run 2: Statistics of WebRTC media

Start at: 2017-09-21 19:33:56  
End at: 2017-09-21 19:34:26  
Local clock offset: -4.215 ms  
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2017-09-21 22:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.57 Mbit/s  
95th percentile per-packet one-way delay: 43.161 ms  
Loss rate: 0.56%  
-- Flow 1:  
Average throughput: 2.57 Mbit/s  
95th percentile per-packet one-way delay: 43.161 ms  
Loss rate: 0.56%

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



Run 3: Statistics of WebRTC media

Start at: 2017-09-21 19:54:03

End at: 2017-09-21 19:54:33

Local clock offset: -4.443 ms

Remote clock offset: 0.075 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 143.376 ms

Loss rate: 5.27%

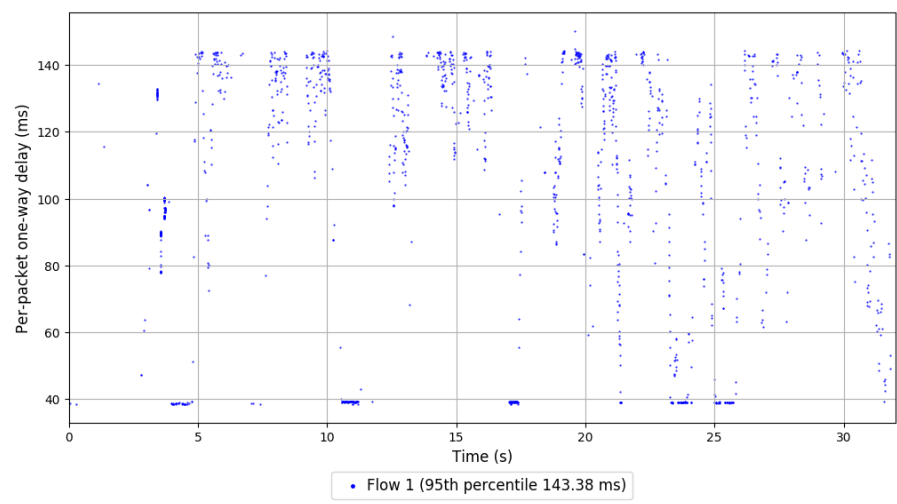
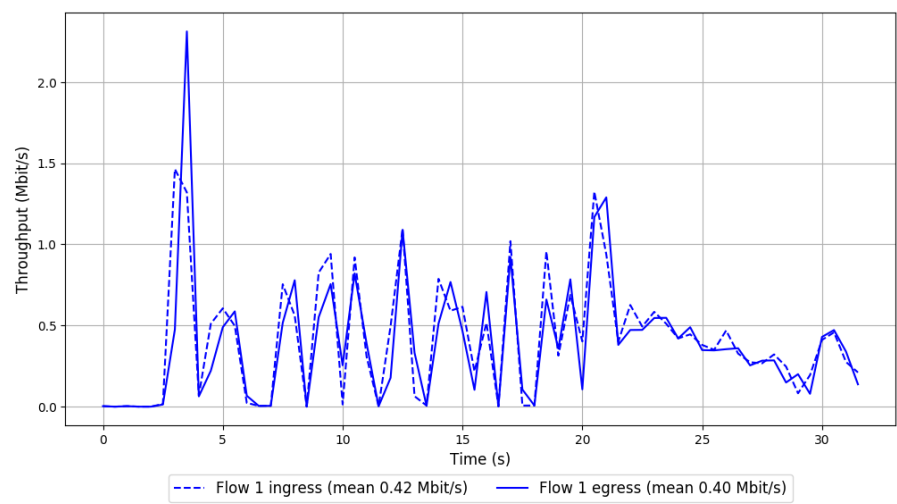
-- Flow 1:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 143.376 ms

Loss rate: 5.27%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2017-09-21 20:12:48

End at: 2017-09-21 20:13:18

Local clock offset: -2.841 ms

Remote clock offset: 0.227 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: 40.268 ms

Loss rate: 0.60%

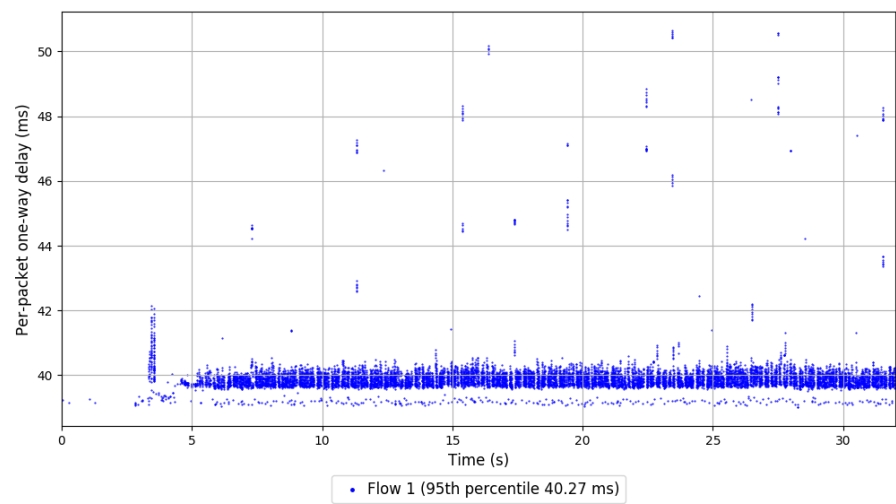
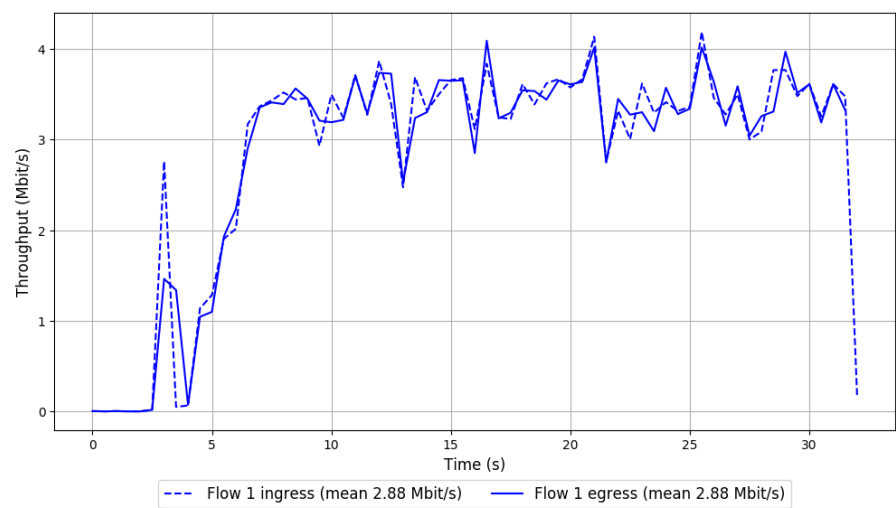
-- Flow 1:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: 40.268 ms

Loss rate: 0.60%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-09-21 20:32:06

End at: 2017-09-21 20:32:36

Local clock offset: -3.74 ms

Remote clock offset: 0.297 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.54 Mbit/s

95th percentile per-packet one-way delay: 39.594 ms

Loss rate: 0.54%

-- Flow 1:

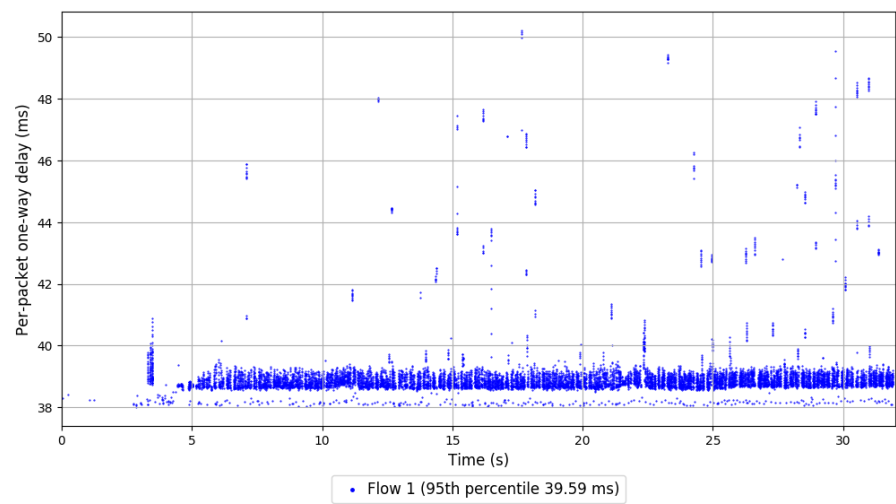
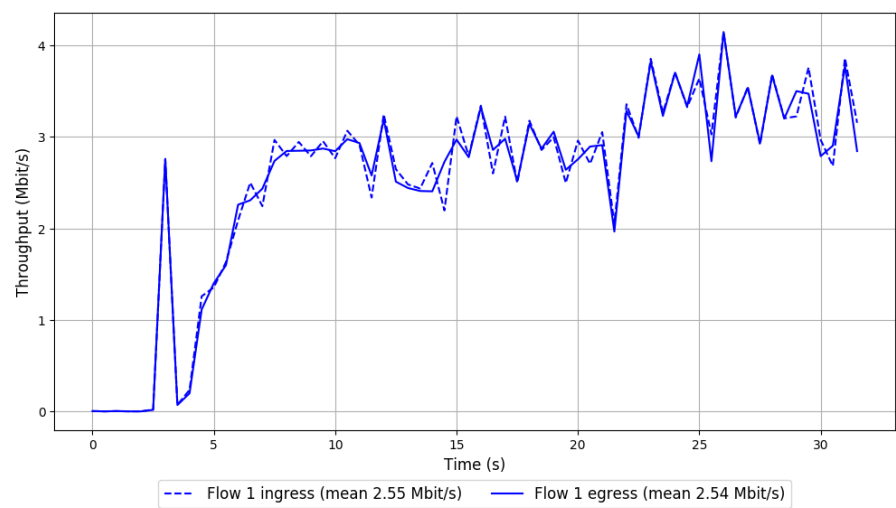
Average throughput: 2.54 Mbit/s

95th percentile per-packet one-way delay: 39.594 ms

Loss rate: 0.54%



Run 5: Report of WebRTC media — Data Link

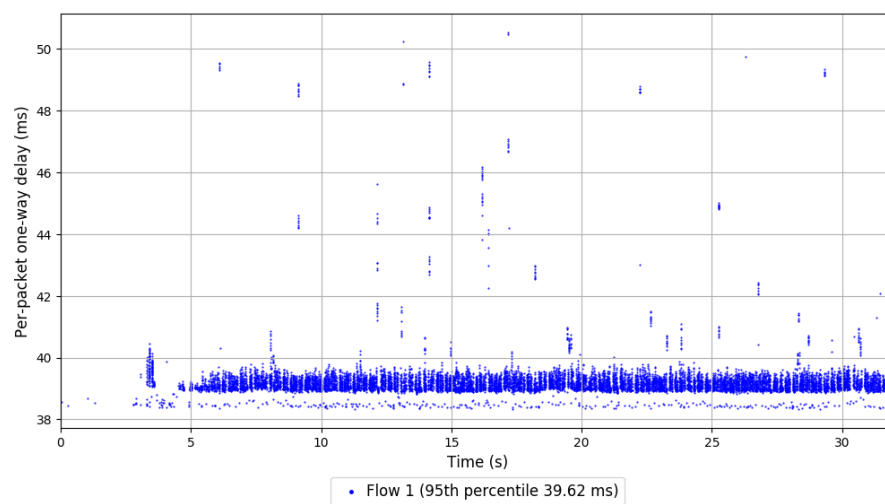
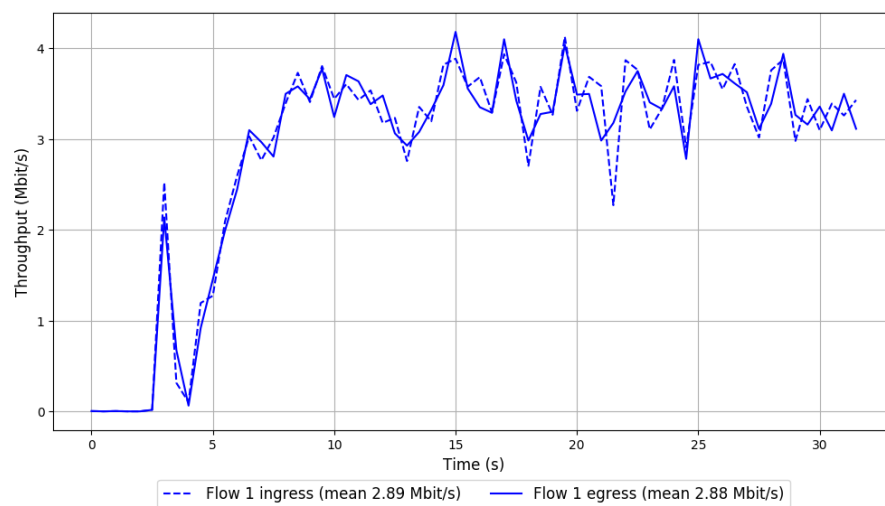


Run 6: Statistics of WebRTC media

Start at: 2017-09-21 20:51:38  
End at: 2017-09-21 20:52:08  
Local clock offset: -2.859 ms  
Remote clock offset: -0.083 ms

# Below is generated by plot.py at 2017-09-21 22:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.88 Mbit/s  
95th percentile per-packet one-way delay: 39.623 ms  
Loss rate: 0.53%  
-- Flow 1:  
Average throughput: 2.88 Mbit/s  
95th percentile per-packet one-way delay: 39.623 ms  
Loss rate: 0.53%

# Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2017-09-21 21:11:09

End at: 2017-09-21 21:11:39

Local clock offset: -2.042 ms

Remote clock offset: 0.052 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.66 Mbit/s

95th percentile per-packet one-way delay: 44.527 ms

Loss rate: 0.72%

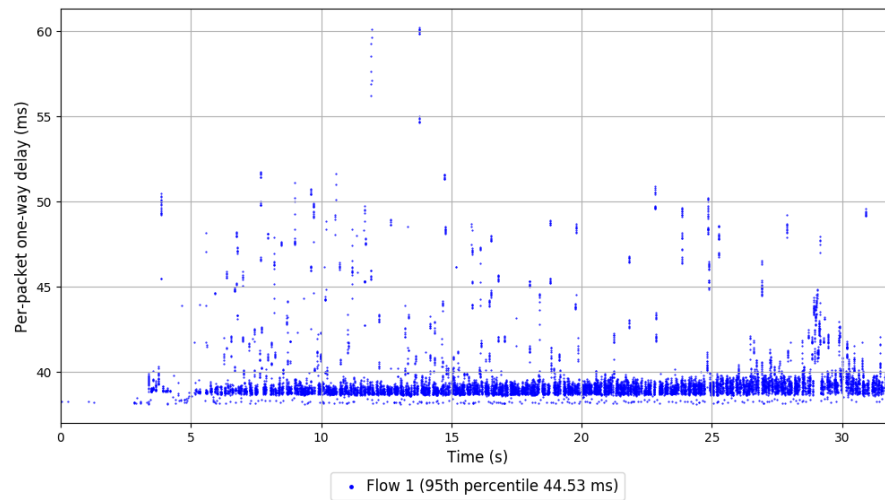
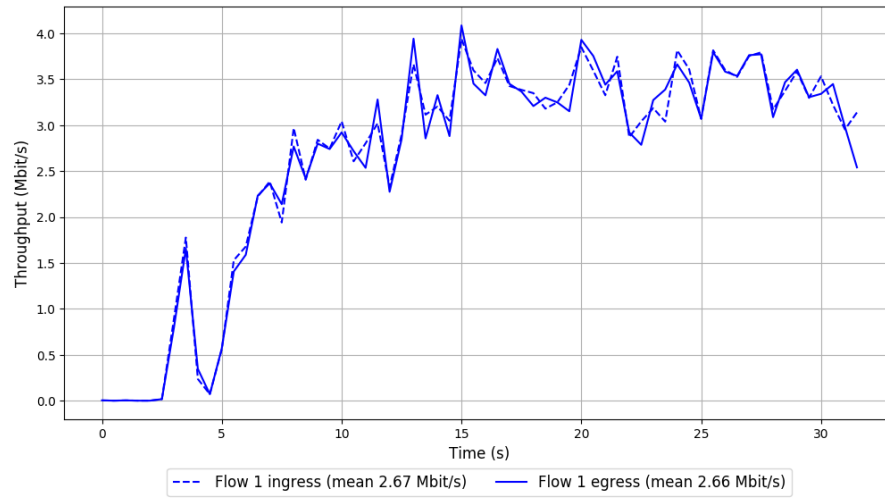
-- Flow 1:

Average throughput: 2.66 Mbit/s

95th percentile per-packet one-way delay: 44.527 ms

Loss rate: 0.72%

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



Run 8: Statistics of WebRTC media

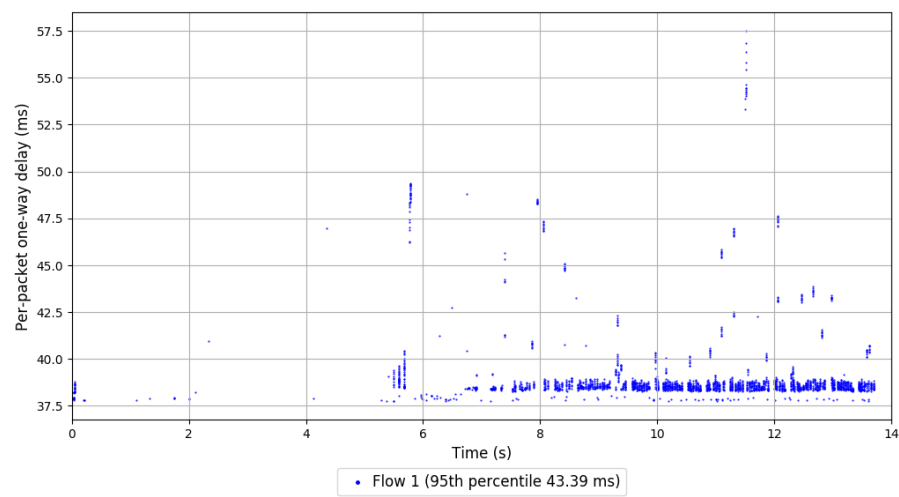
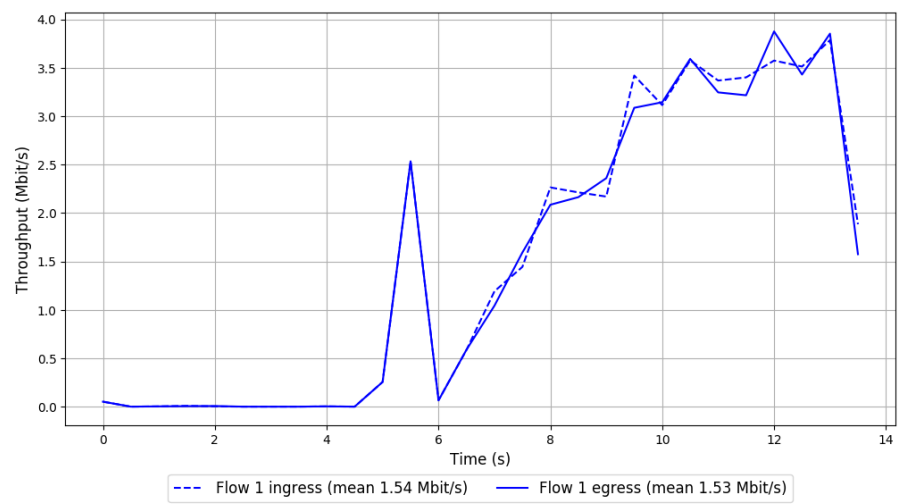
Start at: 2017-09-21 21:30:19

End at: 2017-09-21 21:30:49

Local clock offset: -1.458 ms

Remote clock offset: -0.116 ms

Run 8: Report of WebRTC media — Data Link



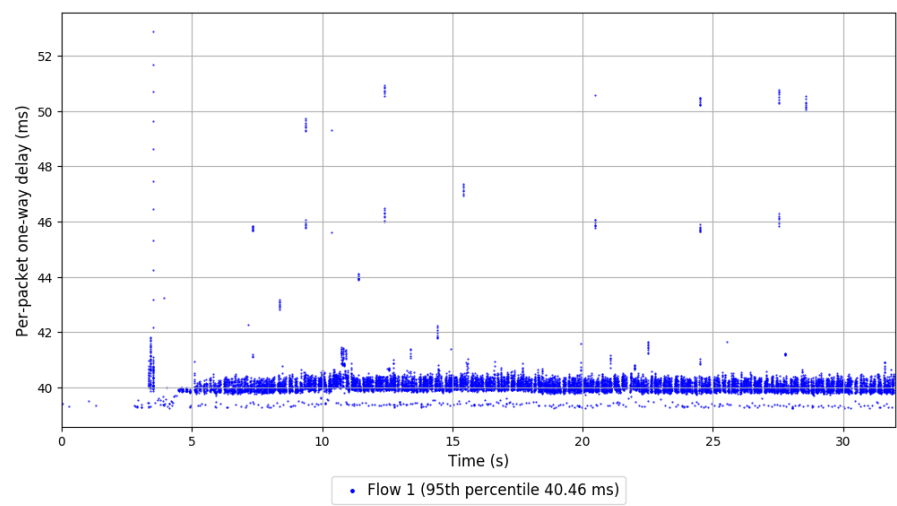
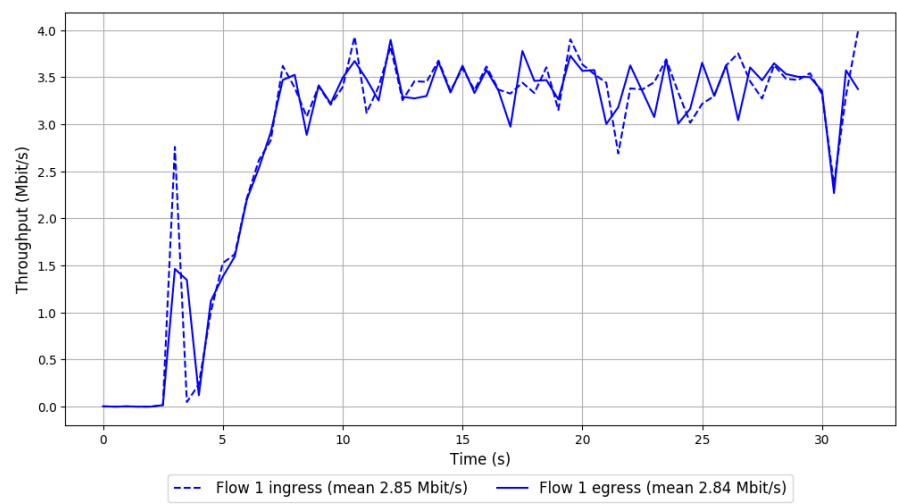
Run 9: Statistics of WebRTC media

Start at: 2017-09-21 21:50:23  
End at: 2017-09-21 21:50:53  
Local clock offset: 0.237 ms  
Remote clock offset: -0.295 ms

# Below is generated by plot.py at 2017-09-21 22:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.84 Mbit/s  
95th percentile per-packet one-way delay: 40.462 ms  
Loss rate: 0.70%  
-- Flow 1:  
Average throughput: 2.84 Mbit/s  
95th percentile per-packet one-way delay: 40.462 ms  
Loss rate: 0.70%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-09-21 22:10:46

End at: 2017-09-21 22:11:16

Local clock offset: 0.593 ms

Remote clock offset: -0.49 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.86 Mbit/s

95th percentile per-packet one-way delay: 44.184 ms

Loss rate: 1.05%

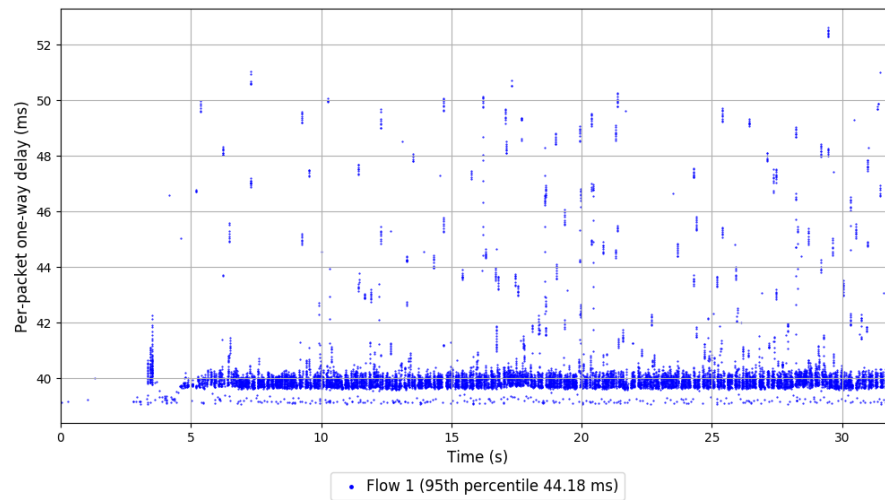
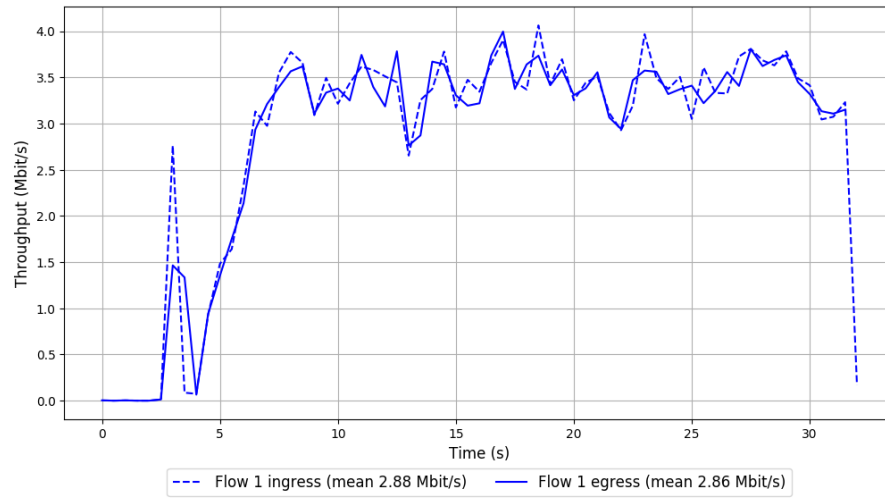
-- Flow 1:

Average throughput: 2.86 Mbit/s

95th percentile per-packet one-way delay: 44.184 ms

Loss rate: 1.05%

# Run 10: Report of WebRTC media — Data Link

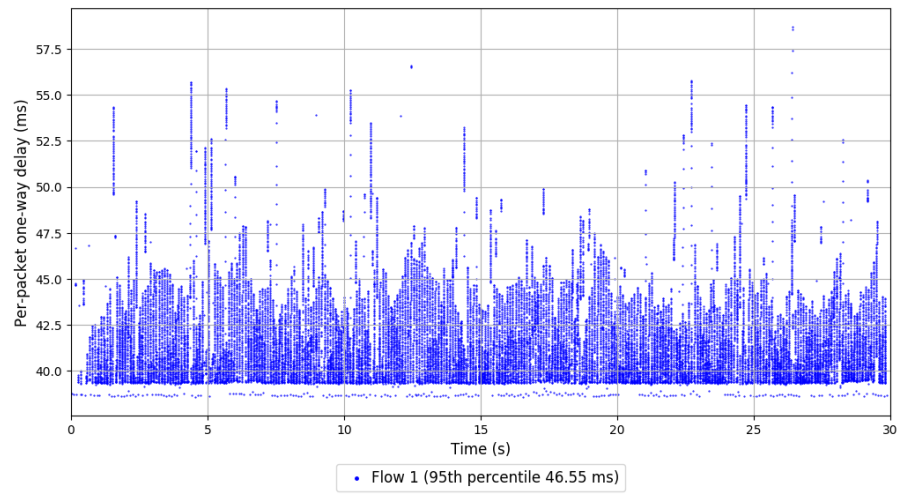
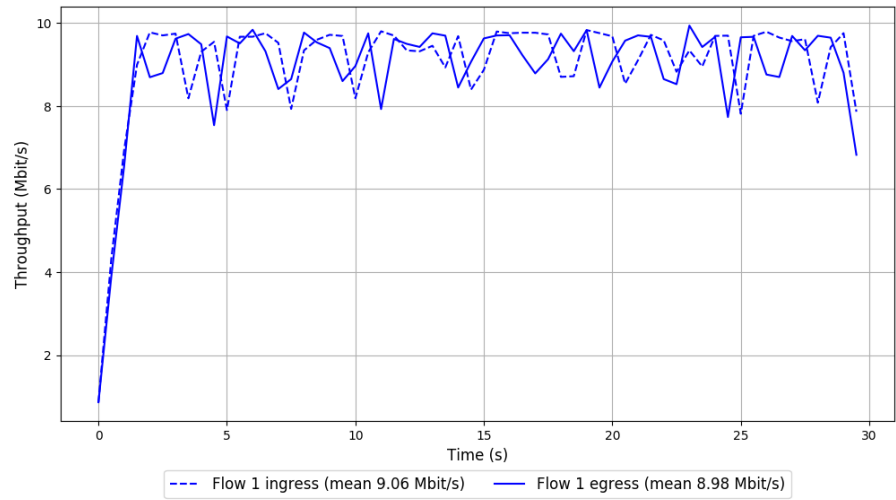


Run 1: Statistics of Sprout

Start at: 2017-09-21 19:28:56  
End at: 2017-09-21 19:29:26  
Local clock offset: -4.006 ms  
Remote clock offset: -0.103 ms

# Below is generated by plot.py at 2017-09-21 22:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.98 Mbit/s  
95th percentile per-packet one-way delay: 46.545 ms  
Loss rate: 0.99%  
-- Flow 1:  
Average throughput: 8.98 Mbit/s  
95th percentile per-packet one-way delay: 46.545 ms  
Loss rate: 0.99%

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



Run 2: Statistics of Sprout

Start at: 2017-09-21 19:48:35

End at: 2017-09-21 19:49:05

Local clock offset: -4.43 ms

Remote clock offset: 0.06 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.05 Mbit/s

95th percentile per-packet one-way delay: 44.640 ms

Loss rate: 0.92%

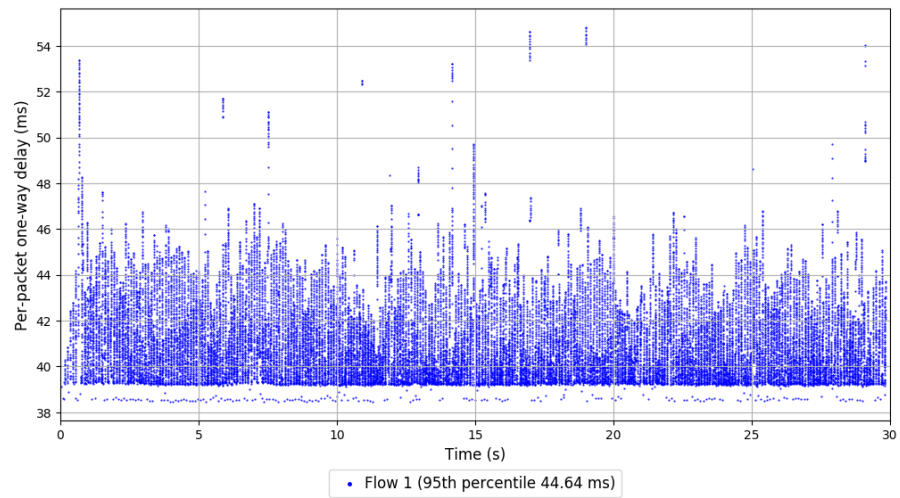
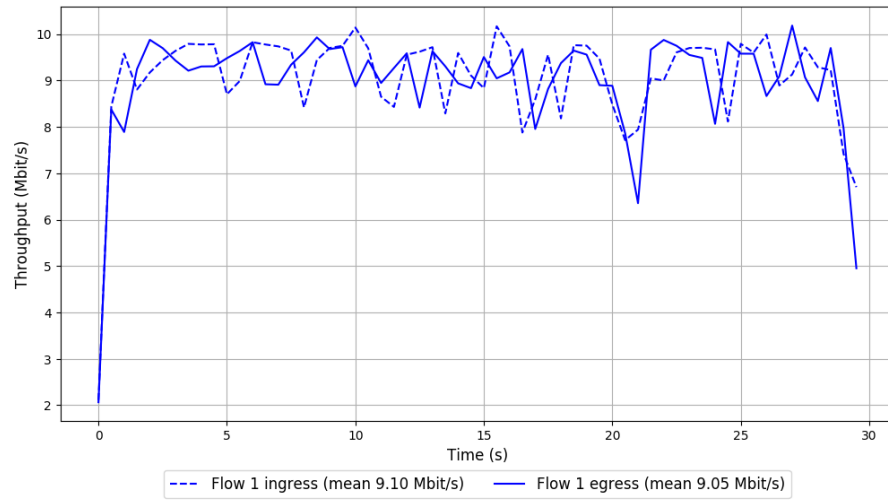
-- Flow 1:

Average throughput: 9.05 Mbit/s

95th percentile per-packet one-way delay: 44.640 ms

Loss rate: 0.92%

## Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2017-09-21 20:07:51

End at: 2017-09-21 20:08:21

Local clock offset: -3.142 ms

Remote clock offset: 0.162 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.29 Mbit/s

95th percentile per-packet one-way delay: 45.172 ms

Loss rate: 0.57%

-- Flow 1:

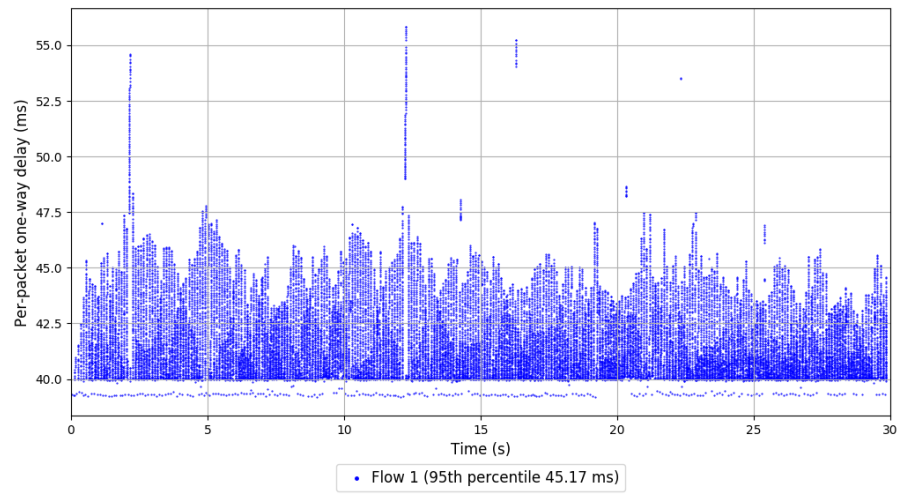
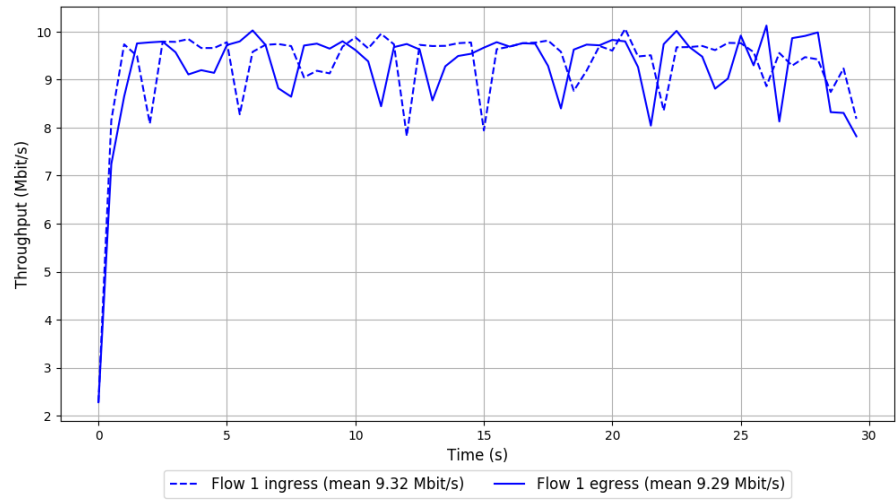
Average throughput: 9.29 Mbit/s

95th percentile per-packet one-way delay: 45.172 ms

Loss rate: 0.57%



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



Run 4: Statistics of Sprout

Start at: 2017-09-21 20:26:53

End at: 2017-09-21 20:27:24

Local clock offset: -3.843 ms

Remote clock offset: 0.299 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.22 Mbit/s

95th percentile per-packet one-way delay: 44.485 ms

Loss rate: 0.86%

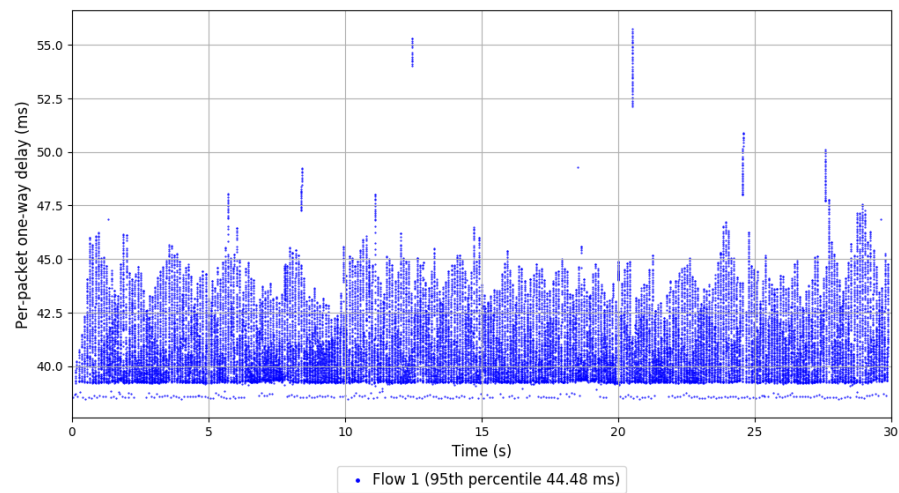
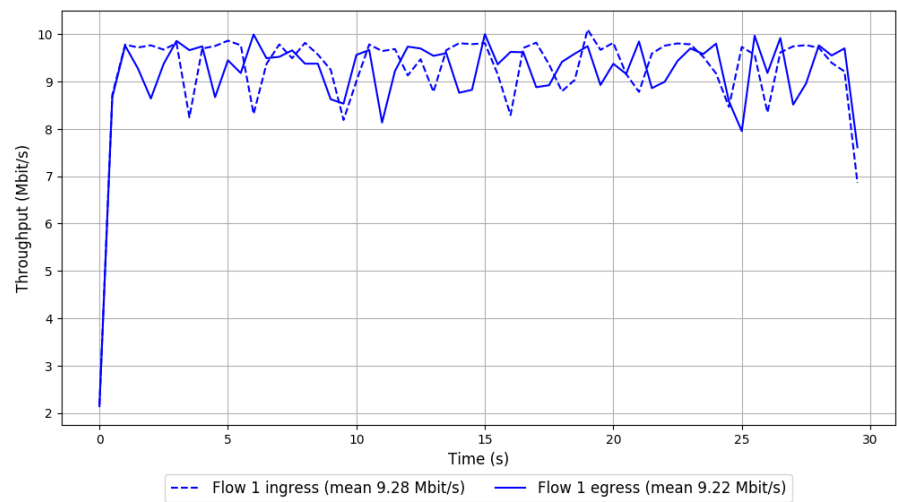
-- Flow 1:

Average throughput: 9.22 Mbit/s

95th percentile per-packet one-way delay: 44.485 ms

Loss rate: 0.86%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2017-09-21 20:46:35

End at: 2017-09-21 20:47:05

Local clock offset: -1.877 ms

Remote clock offset: 0.244 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.26 Mbit/s

95th percentile per-packet one-way delay: 45.804 ms

Loss rate: 0.59%

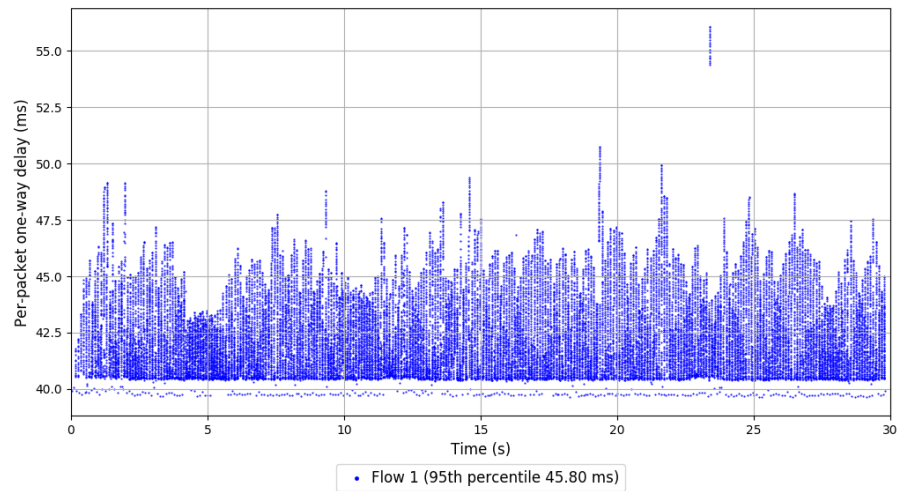
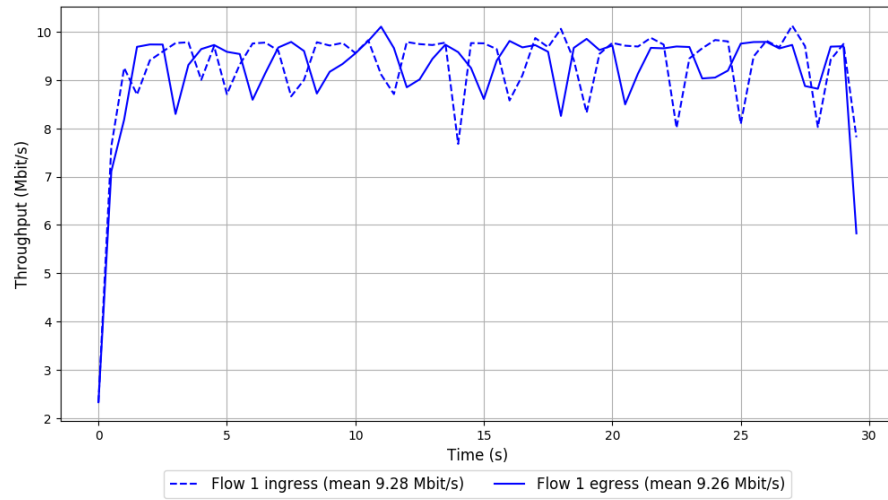
-- Flow 1:

Average throughput: 9.26 Mbit/s

95th percentile per-packet one-way delay: 45.804 ms

Loss rate: 0.59%

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



Run 6: Statistics of Sprout

Start at: 2017-09-21 21:05:52

End at: 2017-09-21 21:06:22

Local clock offset: -2.121 ms

Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.02 Mbit/s

95th percentile per-packet one-way delay: 43.900 ms

Loss rate: 0.65%

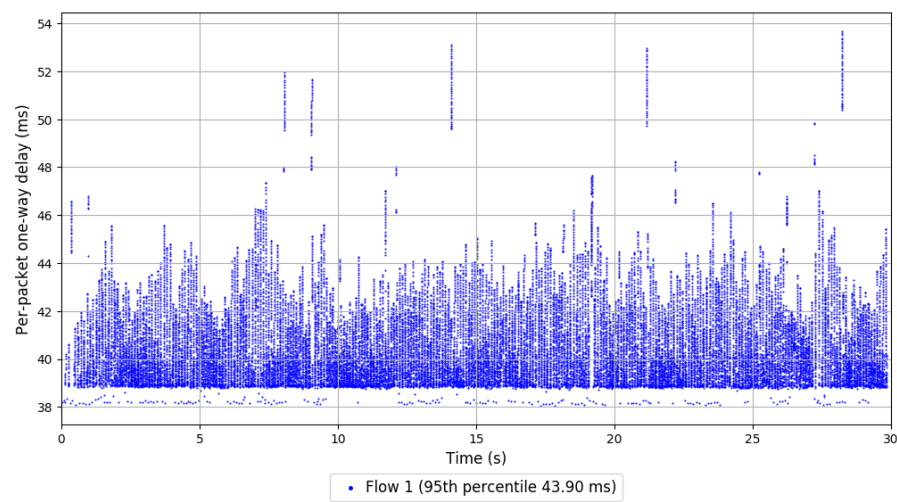
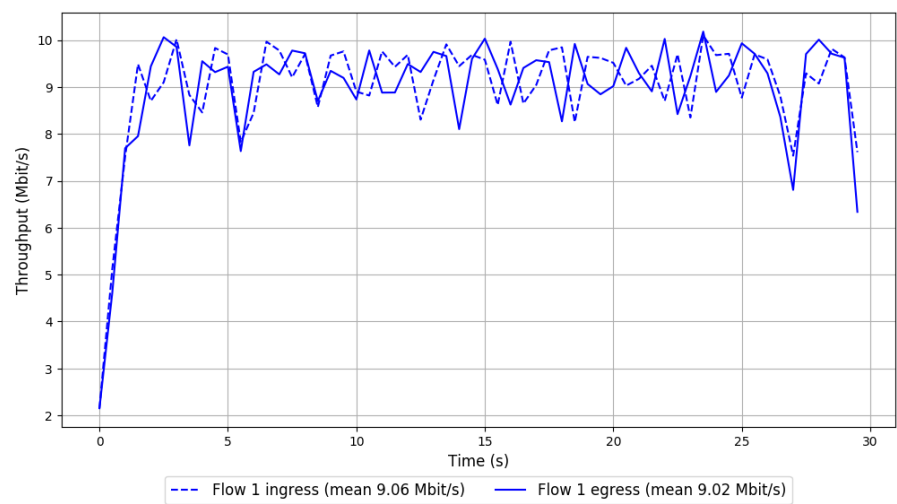
-- Flow 1:

Average throughput: 9.02 Mbit/s

95th percentile per-packet one-way delay: 43.900 ms

Loss rate: 0.65%

Run 6: Report of Sprout — Data Link



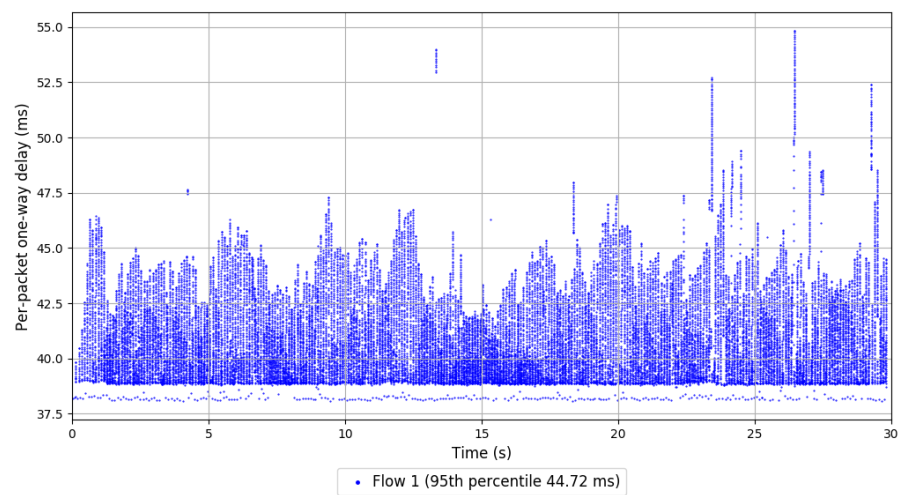
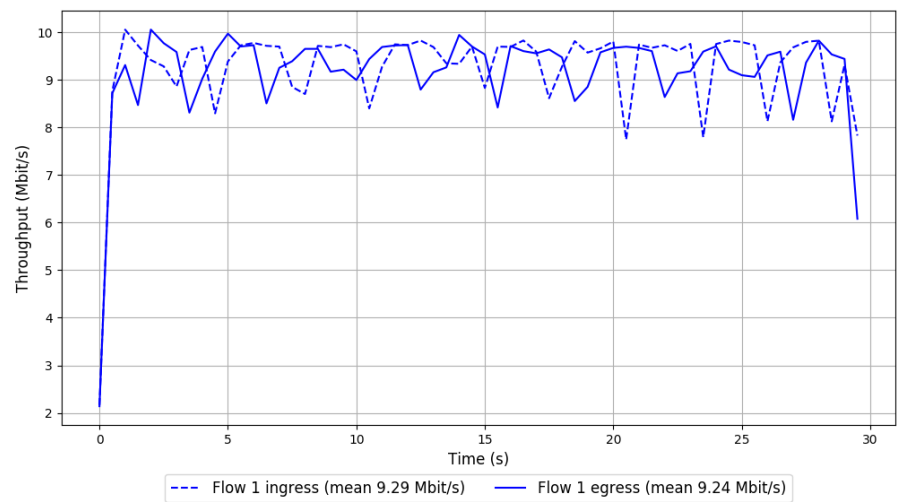
Run 7: Statistics of Sprout

Start at: 2017-09-21 21:24:52  
End at: 2017-09-21 21:25:22  
Local clock offset: -1.61 ms  
Remote clock offset: -0.089 ms

# Below is generated by plot.py at 2017-09-21 22:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.24 Mbit/s  
95th percentile per-packet one-way delay: 44.724 ms  
Loss rate: 0.86%  
-- Flow 1:  
Average throughput: 9.24 Mbit/s  
95th percentile per-packet one-way delay: 44.724 ms  
Loss rate: 0.86%



Run 7: Report of Sprout — Data Link

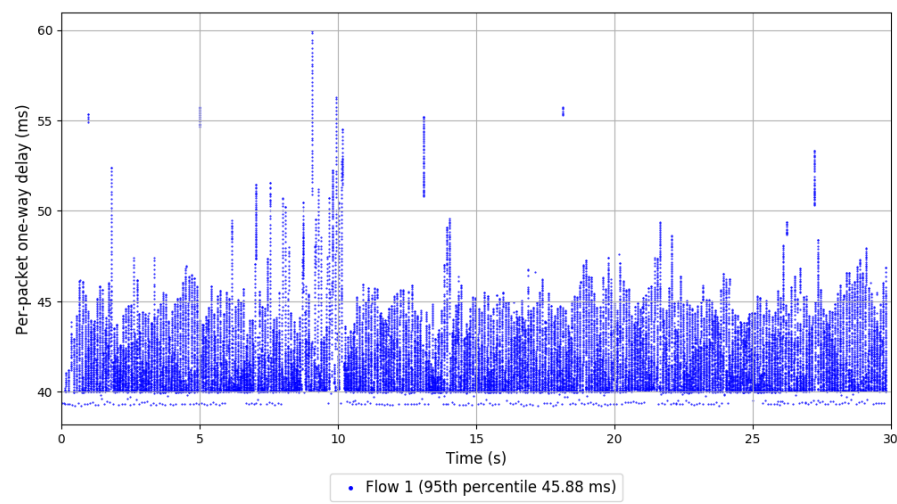
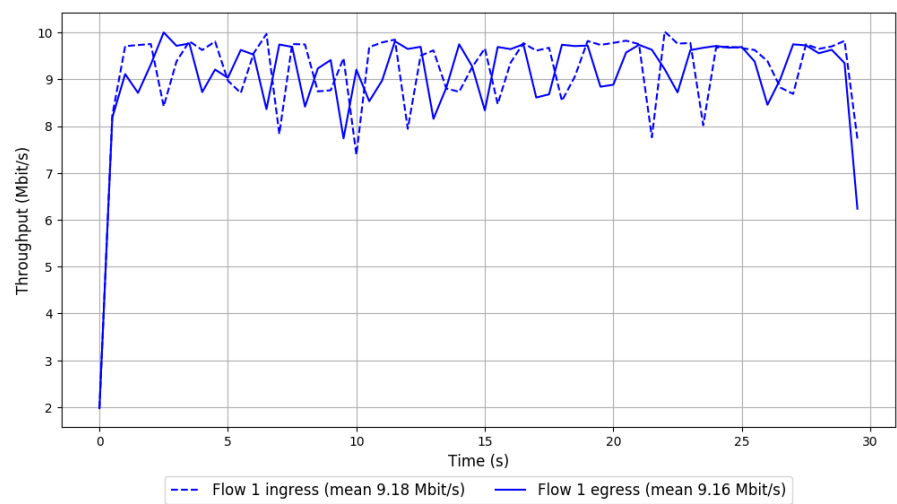


Run 8: Statistics of Sprout

Start at: 2017-09-21 21:45:04  
End at: 2017-09-21 21:45:34  
Local clock offset: 0.057 ms  
Remote clock offset: -0.265 ms

# Below is generated by plot.py at 2017-09-21 22:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.16 Mbit/s  
95th percentile per-packet one-way delay: 45.883 ms  
Loss rate: 0.69%  
-- Flow 1:  
Average throughput: 9.16 Mbit/s  
95th percentile per-packet one-way delay: 45.883 ms  
Loss rate: 0.69%

Run 8: Report of Sprout — Data Link

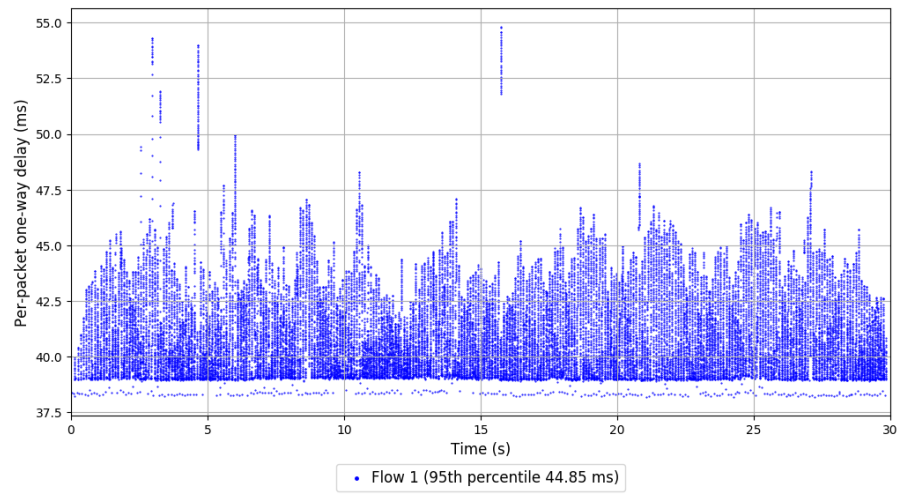
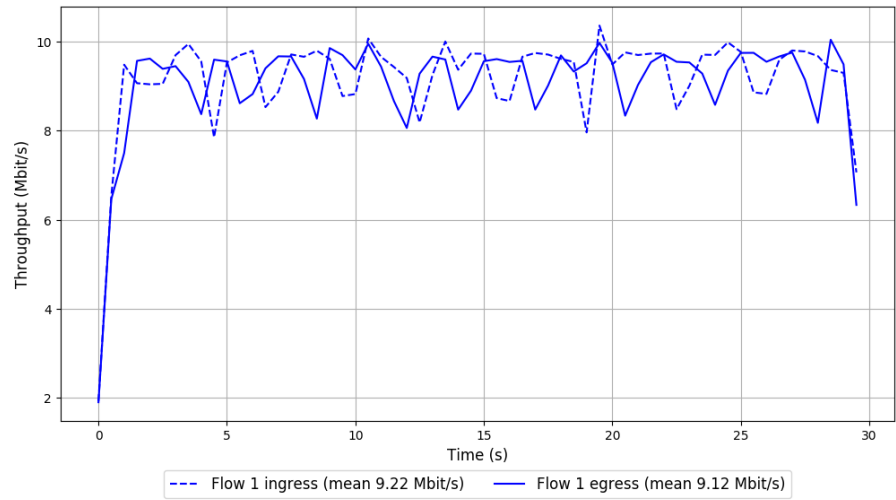


Run 9: Statistics of Sprout

Start at: 2017-09-21 22:05:24  
End at: 2017-09-21 22:05:54  
Local clock offset: -0.587 ms  
Remote clock offset: -0.344 ms

# Below is generated by plot.py at 2017-09-21 22:33:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.12 Mbit/s  
95th percentile per-packet one-way delay: 44.848 ms  
Loss rate: 1.35%  
-- Flow 1:  
Average throughput: 9.12 Mbit/s  
95th percentile per-packet one-way delay: 44.848 ms  
Loss rate: 1.35%

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



Run 10: Statistics of Sprout

Start at: 2017-09-21 22:26:36

End at: 2017-09-21 22:27:06

Local clock offset: 0.772 ms

Remote clock offset: -0.599 ms

# Below is generated by plot.py at 2017-09-21 22:33:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.07 Mbit/s

95th percentile per-packet one-way delay: 46.572 ms

Loss rate: 0.72%

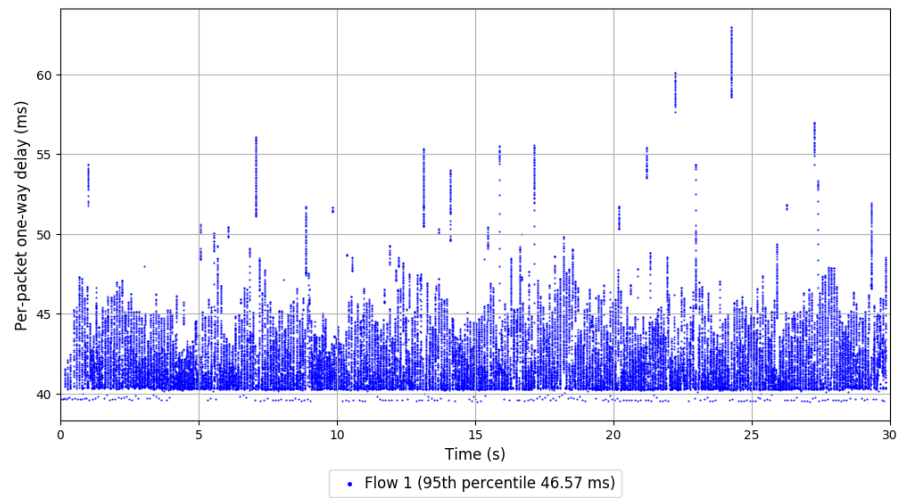
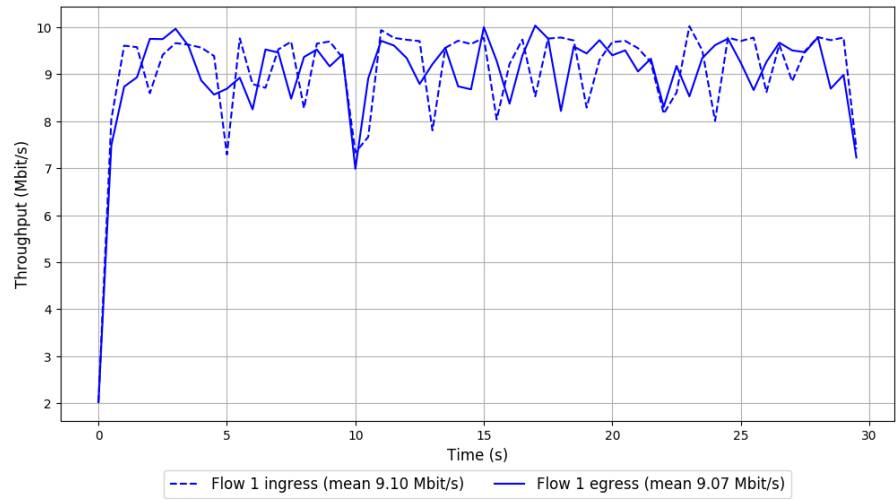
-- Flow 1:

Average throughput: 9.07 Mbit/s

95th percentile per-packet one-way delay: 46.572 ms

Loss rate: 0.72%

# Run 10: Report of Sprout — Data Link



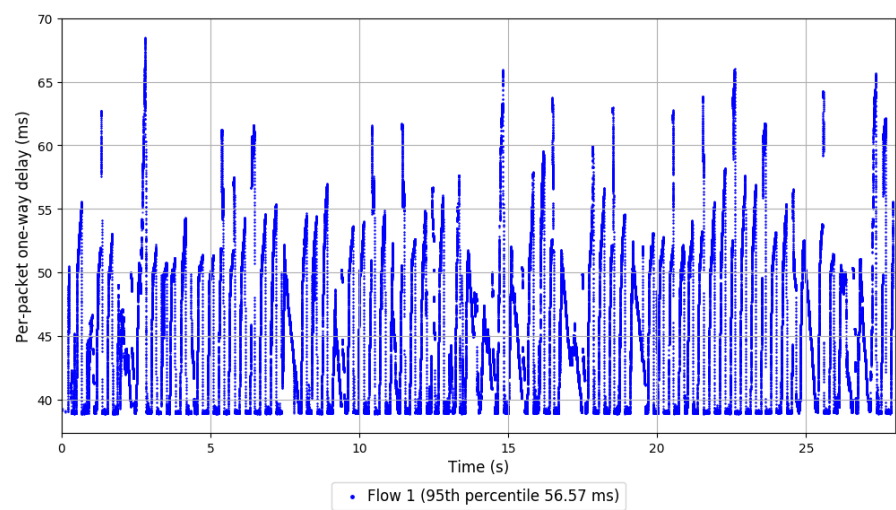
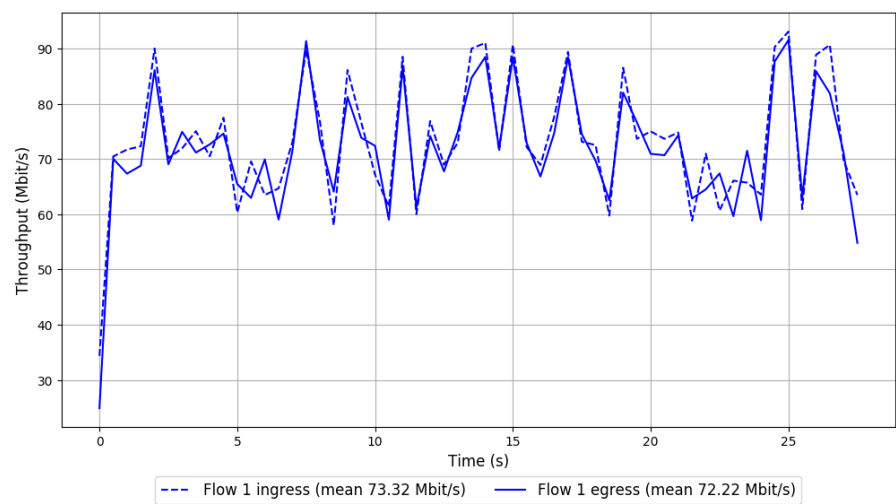
```
Run 1: Statistics of TaoVA-100x

Start at: 2017-09-21 19:23:04
End at: 2017-09-21 19:23:34
Local clock offset: -3.912 ms
Remote clock offset: -0.217 ms

# Below is generated by plot.py at 2017-09-21 22:35:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.22 Mbit/s
95th percentile per-packet one-way delay: 56.568 ms
Loss rate: 1.81%
-- Flow 1:
Average throughput: 72.22 Mbit/s
95th percentile per-packet one-way delay: 56.568 ms
Loss rate: 1.81%
```



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



Run 2: Statistics of TaoVA-100x

Start at: 2017-09-21 19:43:00

End at: 2017-09-21 19:43:30

Local clock offset: -2.964 ms

Remote clock offset: 0.048 ms

# Below is generated by plot.py at 2017-09-21 22:35:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.53 Mbit/s

95th percentile per-packet one-way delay: 141.784 ms

Loss rate: 13.79%

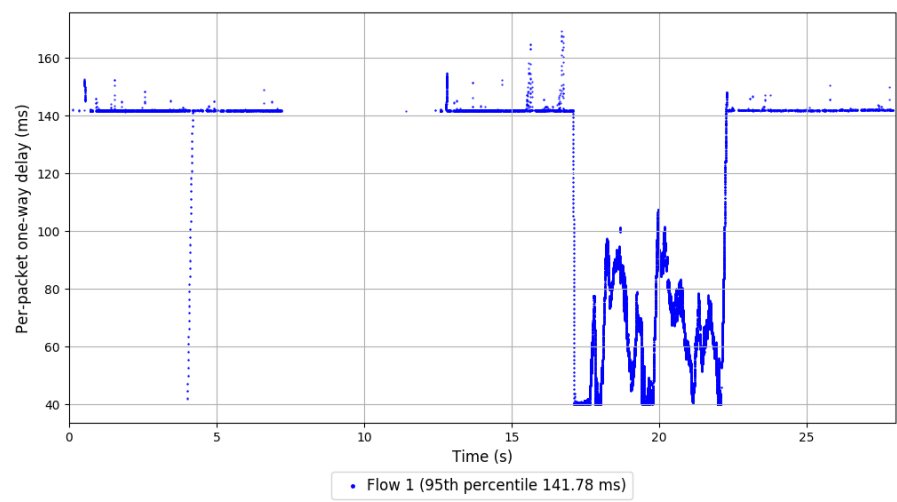
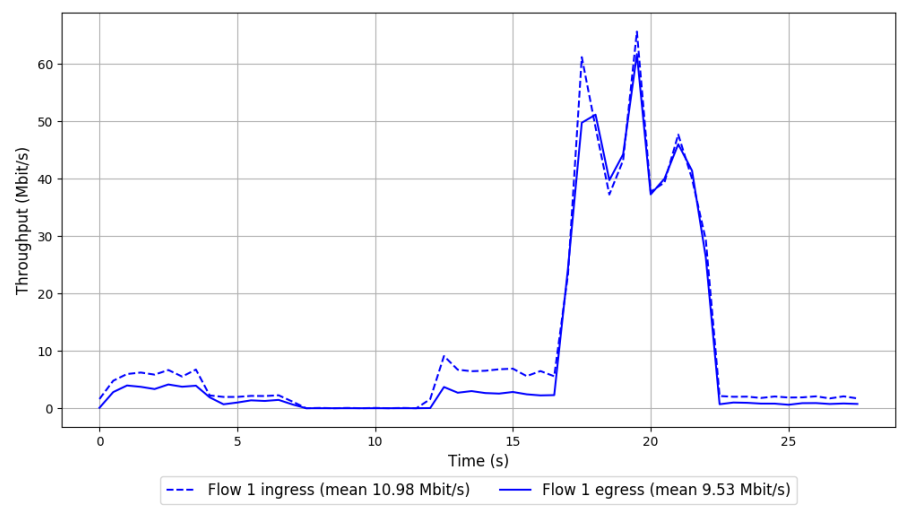
-- Flow 1:

Average throughput: 9.53 Mbit/s

95th percentile per-packet one-way delay: 141.784 ms

Loss rate: 13.79%

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



Run 3: Statistics of TaoVA-100x

Start at: 2017-09-21 20:01:53

End at: 2017-09-21 20:02:23

Local clock offset: -4.335 ms

Remote clock offset: 0.183 ms

# Below is generated by plot.py at 2017-09-21 22:35:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.25 Mbit/s

95th percentile per-packet one-way delay: 52.006 ms

Loss rate: 4.74%

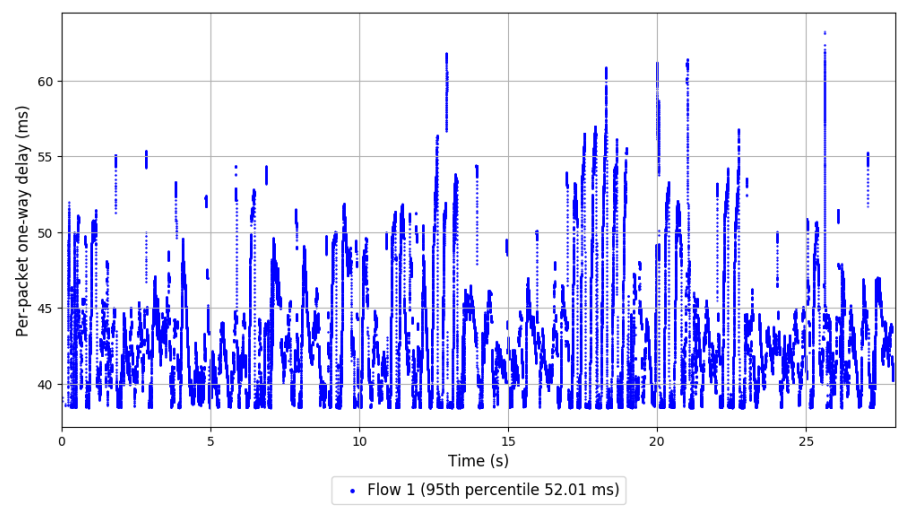
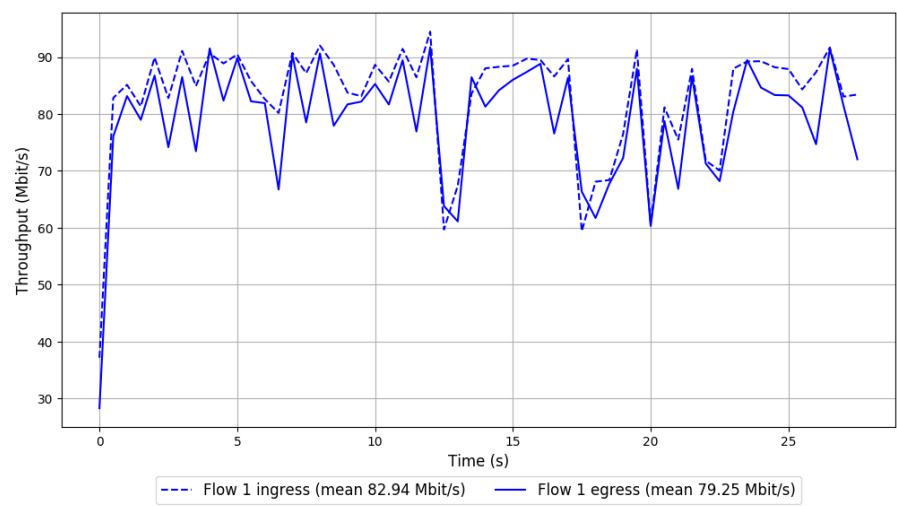
-- Flow 1:

Average throughput: 79.25 Mbit/s

95th percentile per-packet one-way delay: 52.006 ms

Loss rate: 4.74%

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



Run 4: Statistics of TaoVA-100x

Start at: 2017-09-21 20:20:40

End at: 2017-09-21 20:21:10

Local clock offset: -3.894 ms

Remote clock offset: 0.245 ms

# Below is generated by plot.py at 2017-09-21 22:35:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.38 Mbit/s

95th percentile per-packet one-way delay: 49.949 ms

Loss rate: 7.48%

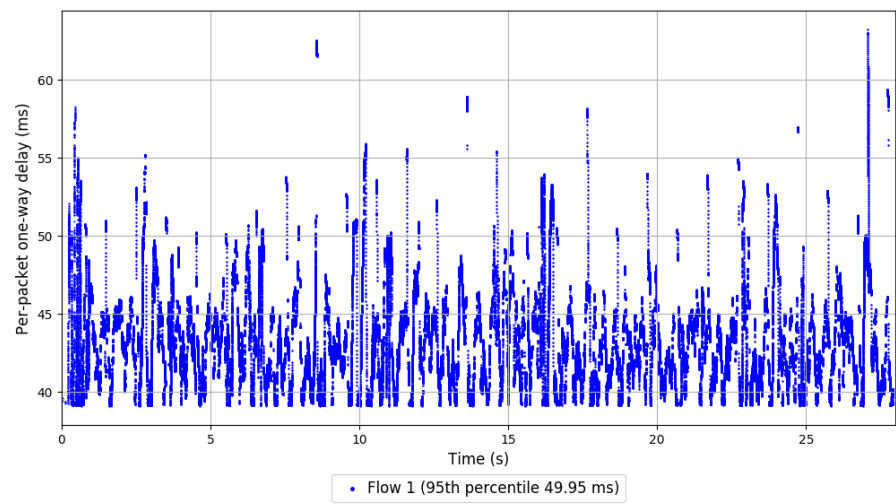
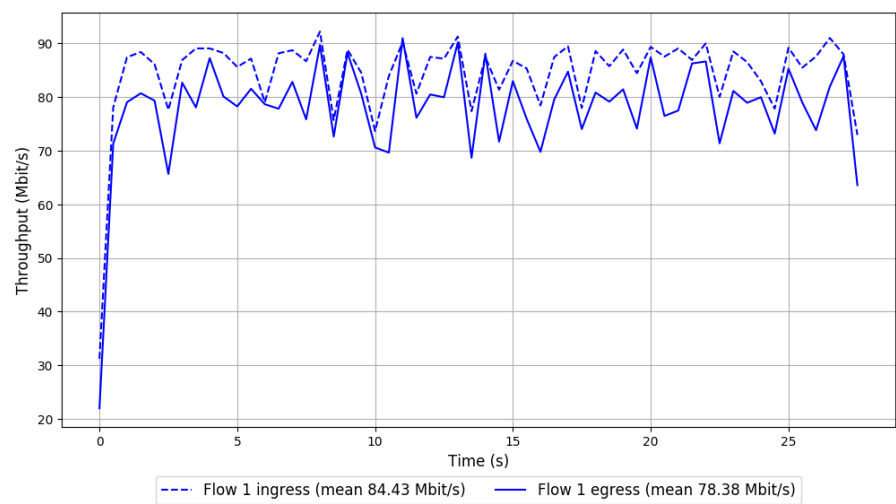
-- Flow 1:

Average throughput: 78.38 Mbit/s

95th percentile per-packet one-way delay: 49.949 ms

Loss rate: 7.48%

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



Run 5: Statistics of TaoVA-100x

Start at: 2017-09-21 20:40:16

End at: 2017-09-21 20:40:46

Local clock offset: -2.069 ms

Remote clock offset: 0.207 ms

# Below is generated by plot.py at 2017-09-21 22:35:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.57 Mbit/s

95th percentile per-packet one-way delay: 105.980 ms

Loss rate: 4.41%

-- Flow 1:

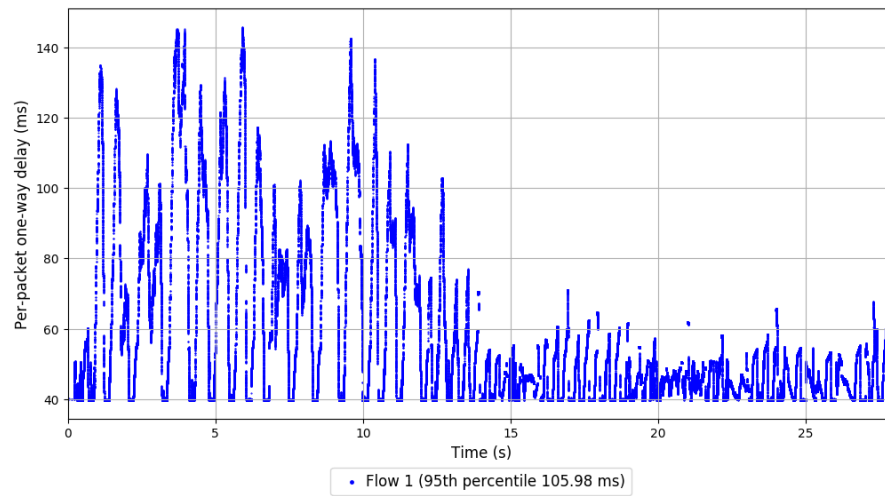
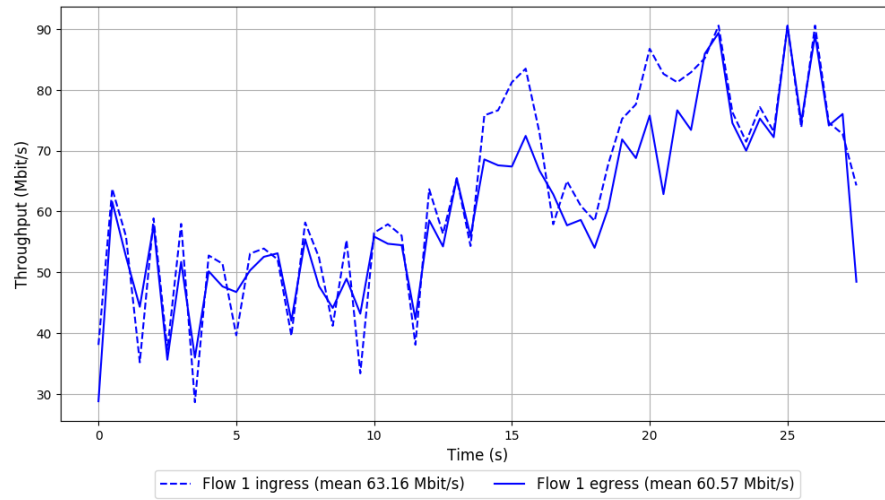
Average throughput: 60.57 Mbit/s

95th percentile per-packet one-way delay: 105.980 ms

Loss rate: 4.41%



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



Run 6: Statistics of TaoVA-100x

Start at: 2017-09-21 20:59:39

End at: 2017-09-21 21:00:09

Local clock offset: -1.423 ms

Remote clock offset: 0.227 ms

# Below is generated by plot.py at 2017-09-21 22:35:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.74 Mbit/s

95th percentile per-packet one-way delay: 72.448 ms

Loss rate: 7.48%

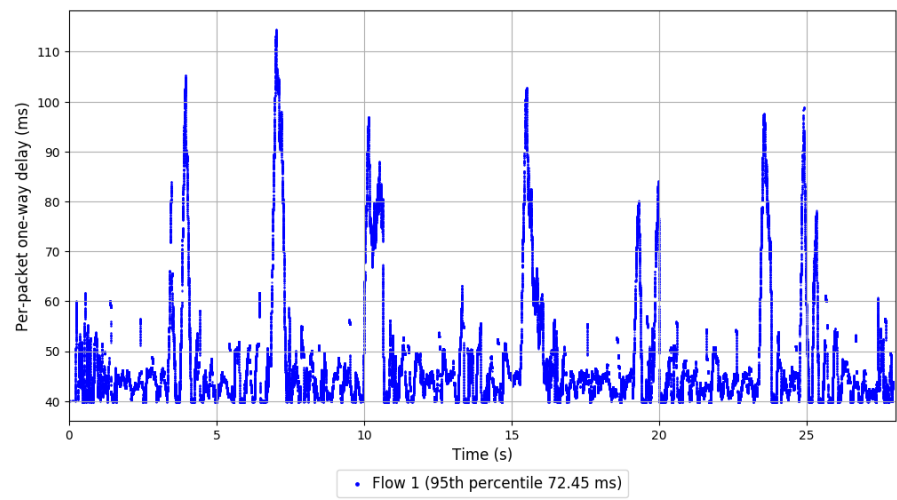
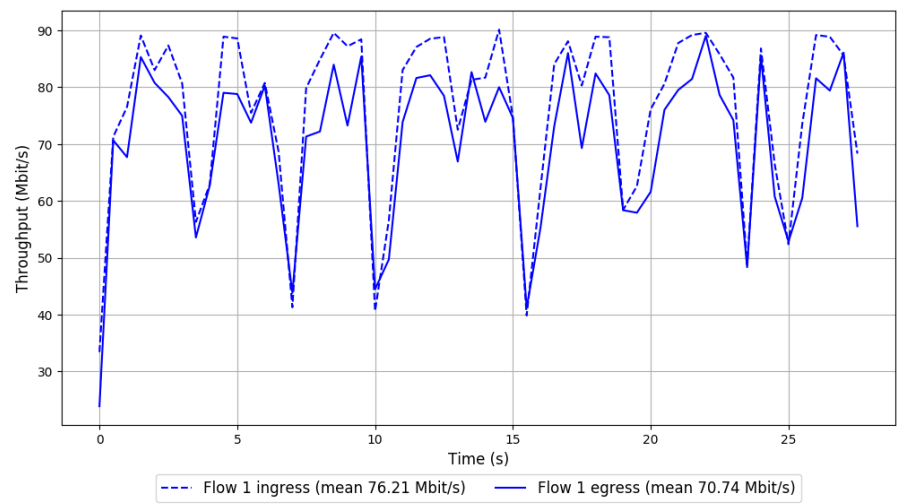
-- Flow 1:

Average throughput: 70.74 Mbit/s

95th percentile per-packet one-way delay: 72.448 ms

Loss rate: 7.48%

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

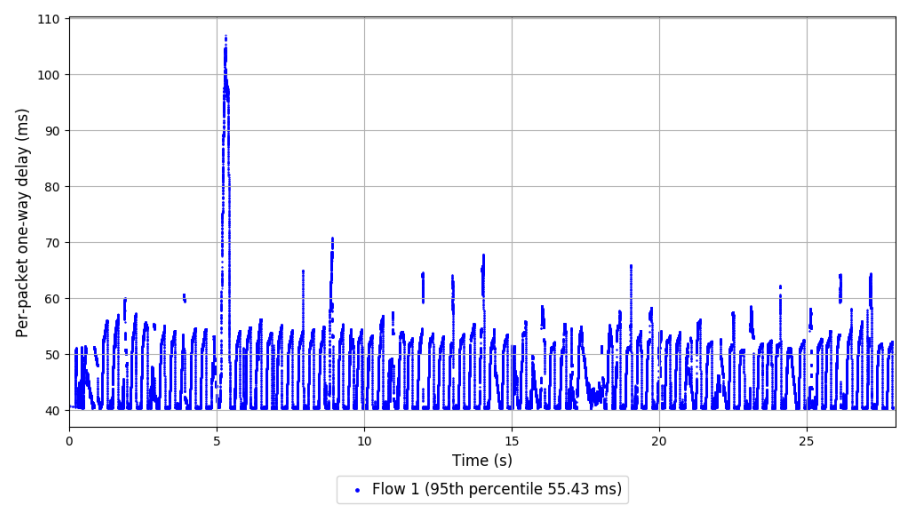
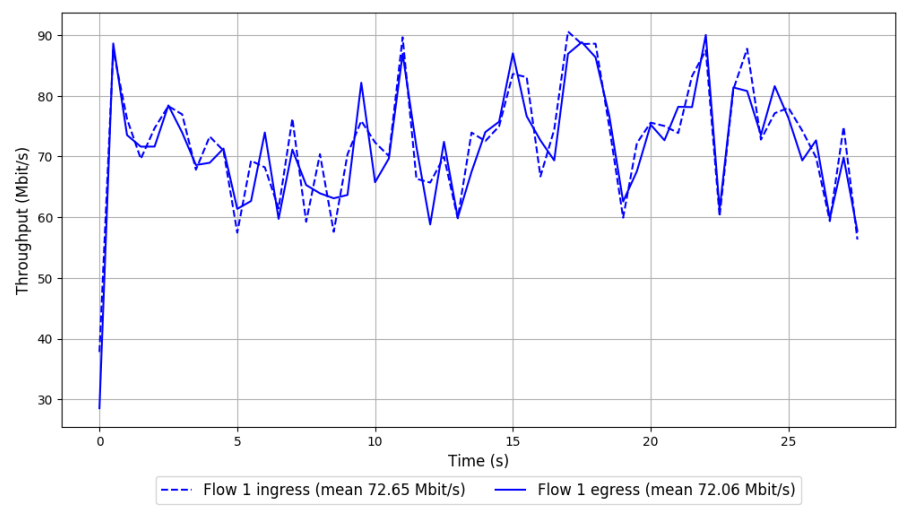


Run 7: Statistics of TaoVA-100x

Start at: 2017-09-21 21:18:56  
End at: 2017-09-21 21:19:26  
Local clock offset: -0.526 ms  
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2017-09-21 22:35:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 72.06 Mbit/s  
95th percentile per-packet one-way delay: 55.428 ms  
Loss rate: 1.14%  
-- Flow 1:  
Average throughput: 72.06 Mbit/s  
95th percentile per-packet one-way delay: 55.428 ms  
Loss rate: 1.14%

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

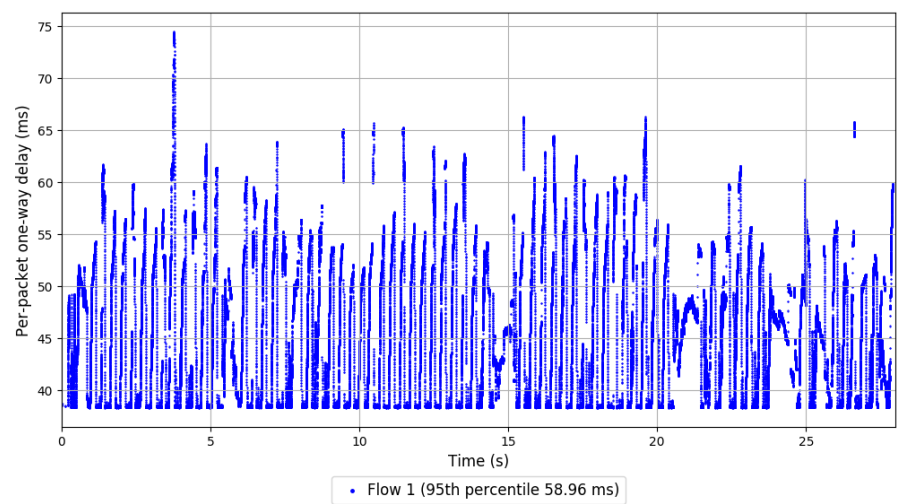
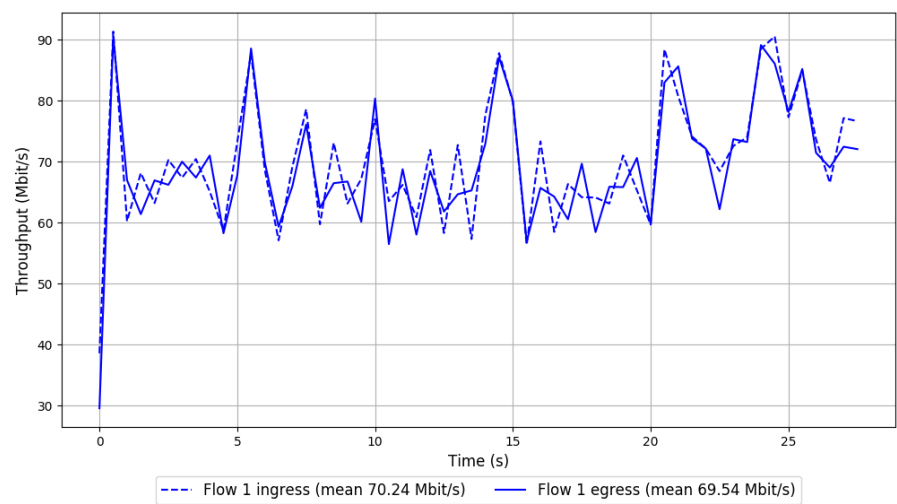


Run 8: Statistics of TaoVA-100x

Start at: 2017-09-21 21:38:37  
End at: 2017-09-21 21:39:07  
Local clock offset: -1.238 ms  
Remote clock offset: -0.198 ms

# Below is generated by plot.py at 2017-09-21 22:35:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 69.54 Mbit/s  
95th percentile per-packet one-way delay: 58.961 ms  
Loss rate: 1.31%  
-- Flow 1:  
Average throughput: 69.54 Mbit/s  
95th percentile per-packet one-way delay: 58.961 ms  
Loss rate: 1.31%

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



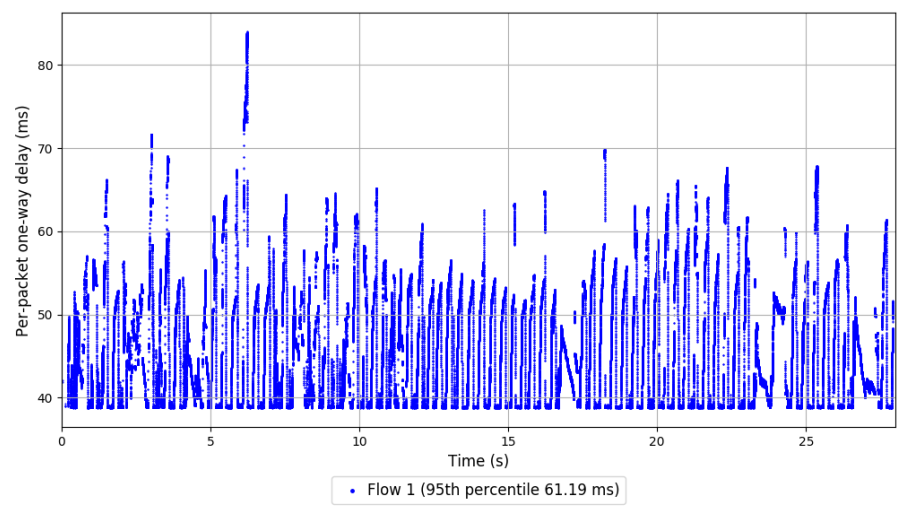
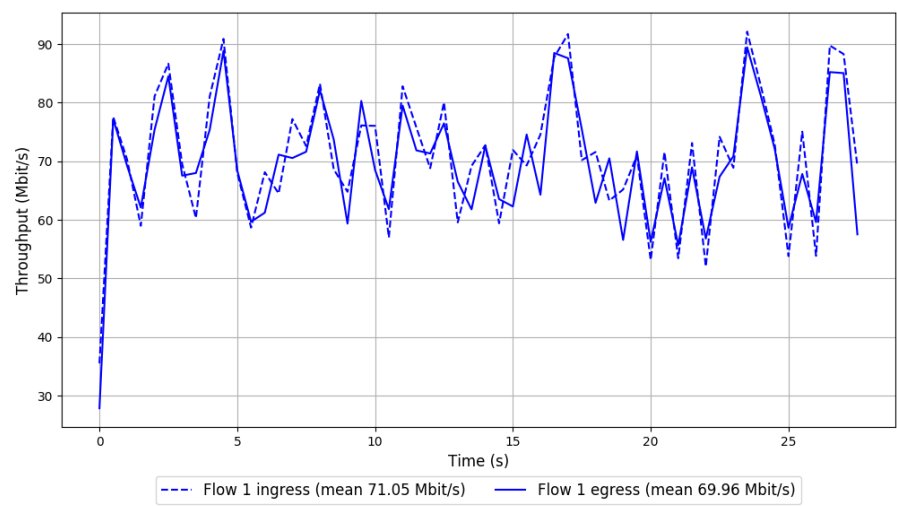
Run 9: Statistics of TaoVA-100x

Start at: 2017-09-21 21:58:41  
End at: 2017-09-21 21:59:11  
Local clock offset: -0.846 ms  
Remote clock offset: -0.346 ms

# Below is generated by plot.py at 2017-09-21 22:35:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 69.96 Mbit/s  
95th percentile per-packet one-way delay: 61.191 ms  
Loss rate: 1.85%  
-- Flow 1:  
Average throughput: 69.96 Mbit/s  
95th percentile per-packet one-way delay: 61.191 ms  
Loss rate: 1.85%



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

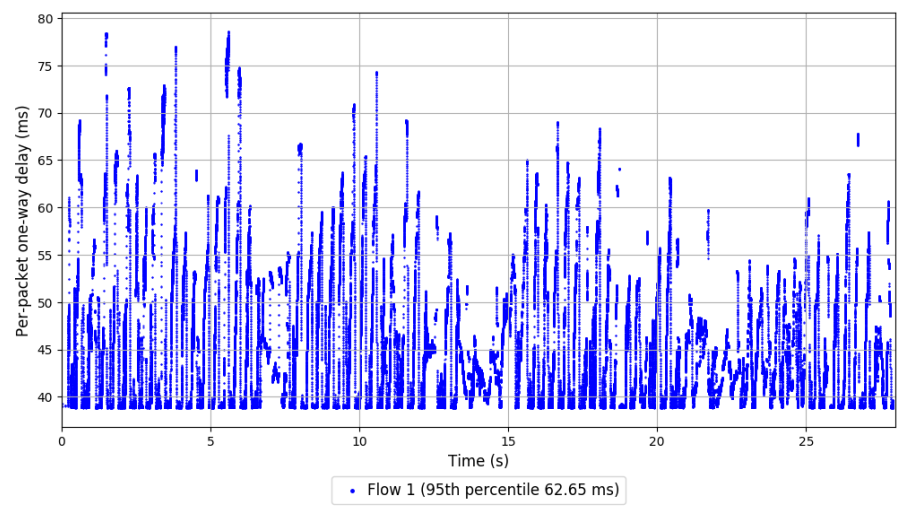
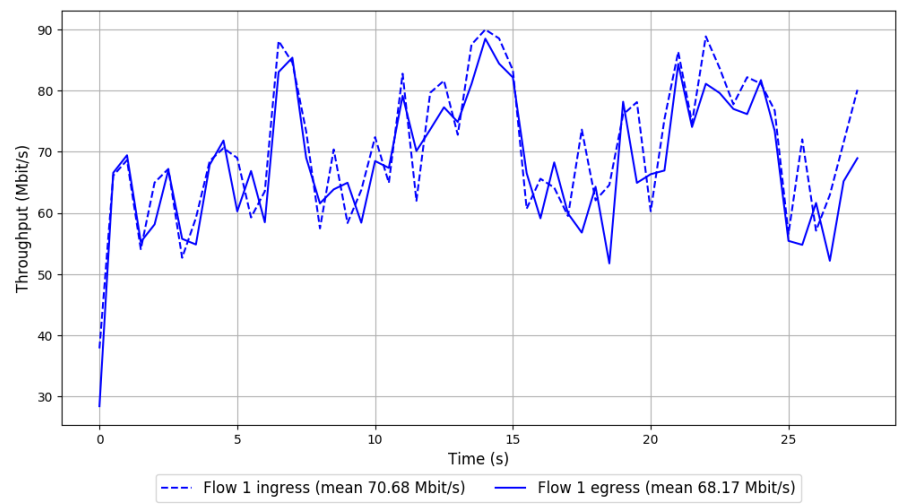


Run 10: Statistics of TaoVA-100x

Start at: 2017-09-21 22:19:13  
End at: 2017-09-21 22:19:43  
Local clock offset: -0.493 ms  
Remote clock offset: -0.554 ms

# Below is generated by plot.py at 2017-09-21 22:37:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.17 Mbit/s  
95th percentile per-packet one-way delay: 62.650 ms  
Loss rate: 3.85%  
-- Flow 1:  
Average throughput: 68.17 Mbit/s  
95th percentile per-packet one-way delay: 62.650 ms  
Loss rate: 3.85%

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

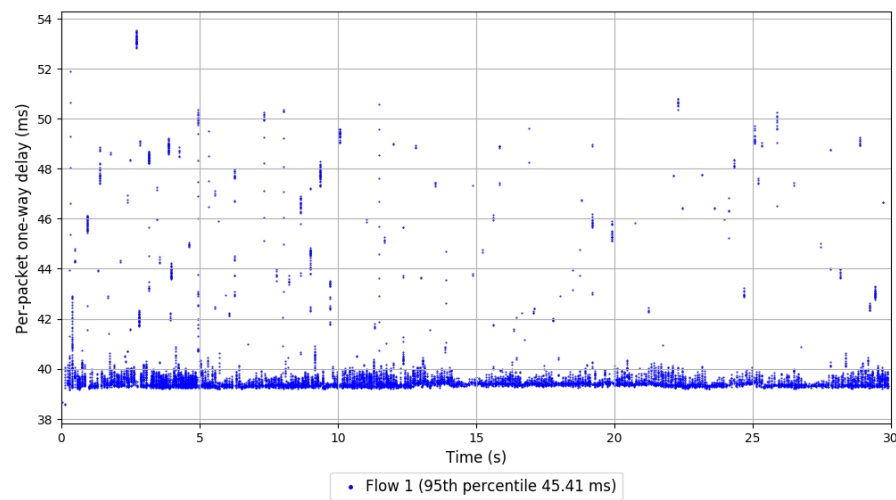
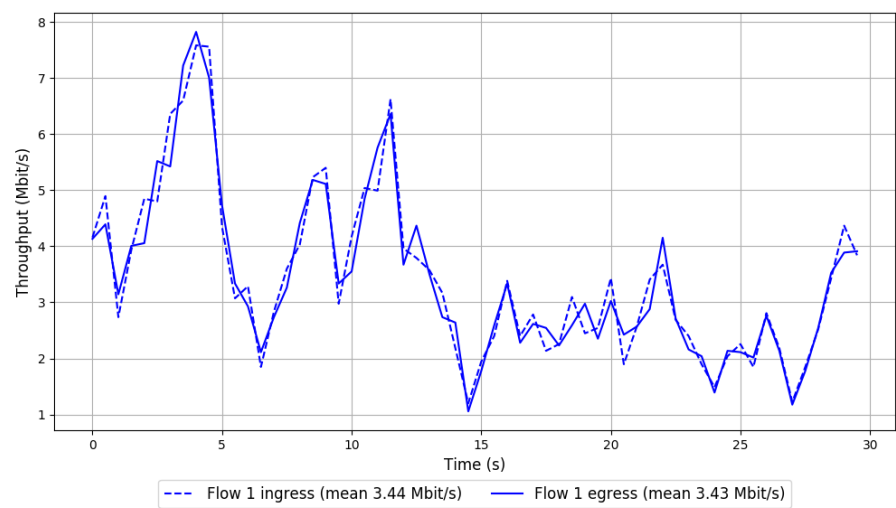


Run 1: Statistics of TCP Vegas

Start at: 2017-09-21 19:31:16  
End at: 2017-09-21 19:31:46  
Local clock offset: -4.099 ms  
Remote clock offset: -0.142 ms

# Below is generated by plot.py at 2017-09-21 22:37:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.43 Mbit/s  
95th percentile per-packet one-way delay: 45.406 ms  
Loss rate: 0.49%  
-- Flow 1:  
Average throughput: 3.43 Mbit/s  
95th percentile per-packet one-way delay: 45.406 ms  
Loss rate: 0.49%

Run 1: Report of TCP Vegas — Data Link

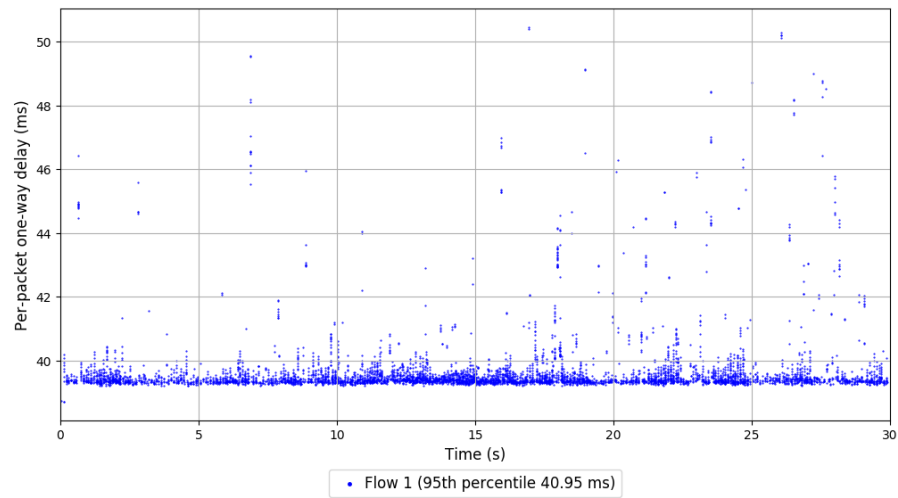
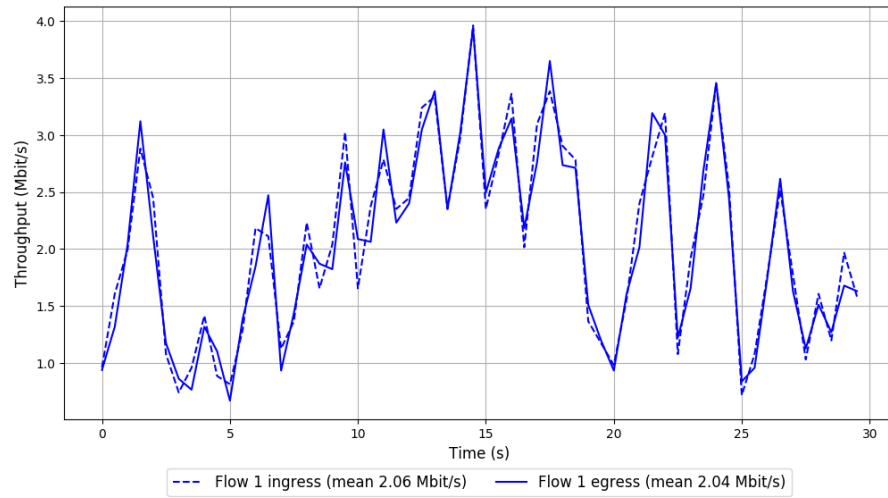


Run 2: Statistics of TCP Vegas

Start at: 2017-09-21 19:50:55  
End at: 2017-09-21 19:51:25  
Local clock offset: -4.44 ms  
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2017-09-21 22:37:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.04 Mbit/s  
95th percentile per-packet one-way delay: 40.951 ms  
Loss rate: 0.93%  
-- Flow 1:  
Average throughput: 2.04 Mbit/s  
95th percentile per-packet one-way delay: 40.951 ms  
Loss rate: 0.93%

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



Run 3: Statistics of TCP Vegas

Start at: 2017-09-21 20:10:10

End at: 2017-09-21 20:10:40

Local clock offset: -3.12 ms

Remote clock offset: 0.166 ms

# Below is generated by plot.py at 2017-09-21 22:37:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.56 Mbit/s

95th percentile per-packet one-way delay: 40.729 ms

Loss rate: 0.86%

-- Flow 1:

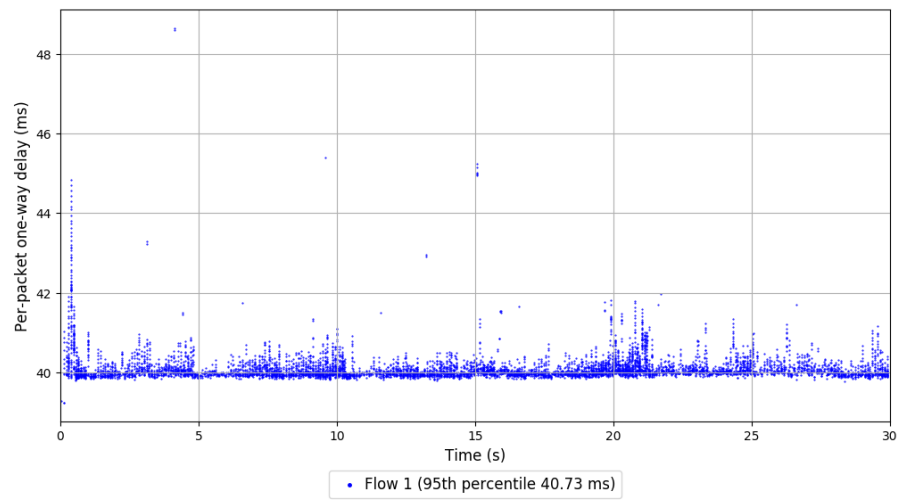
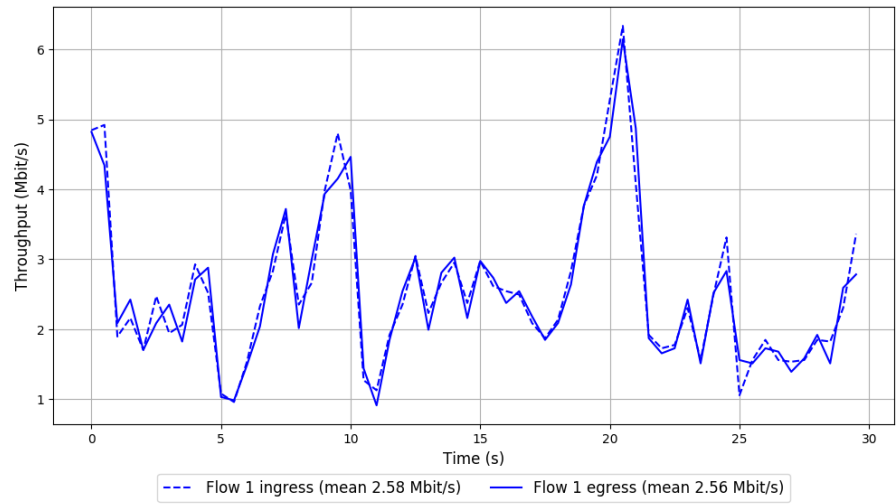
Average throughput: 2.56 Mbit/s

95th percentile per-packet one-way delay: 40.729 ms

Loss rate: 0.86%



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



Run 4: Statistics of TCP Vegas

Start at: 2017-09-21 20:29:15

End at: 2017-09-21 20:29:45

Local clock offset: -2.545 ms

Remote clock offset: 0.34 ms

# Below is generated by plot.py at 2017-09-21 22:37:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 41.035 ms

Loss rate: 0.85%

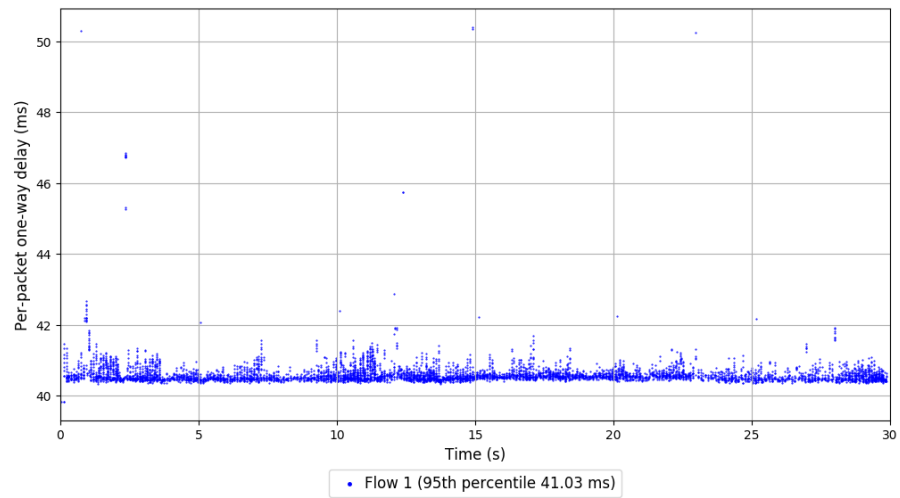
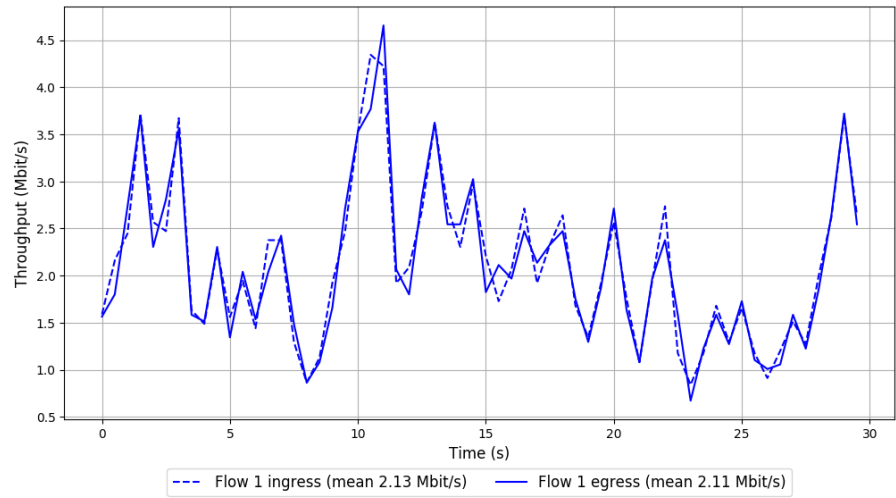
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 41.035 ms

Loss rate: 0.85%

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



Run 5: Statistics of TCP Vegas

Start at: 2017-09-21 20:48:54

End at: 2017-09-21 20:49:24

Local clock offset: -2.879 ms

Remote clock offset: 0.25 ms

# Below is generated by plot.py at 2017-09-21 22:37:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 39.970 ms

Loss rate: 0.77%

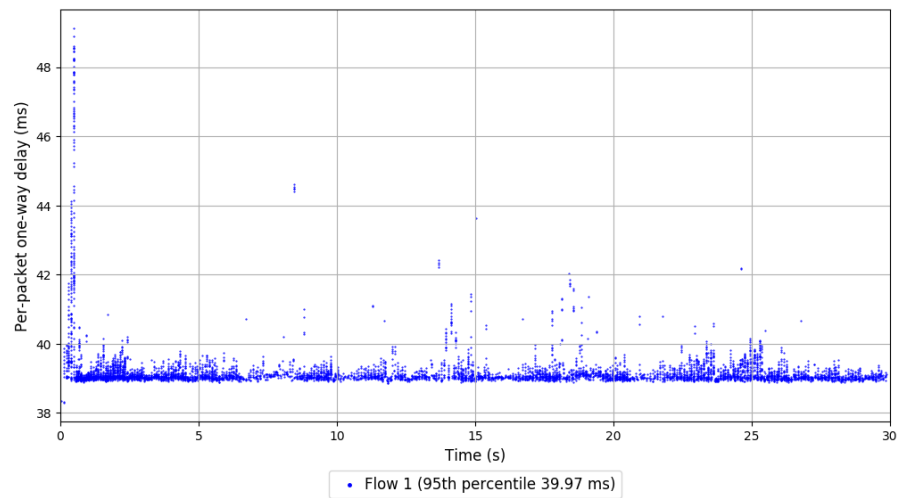
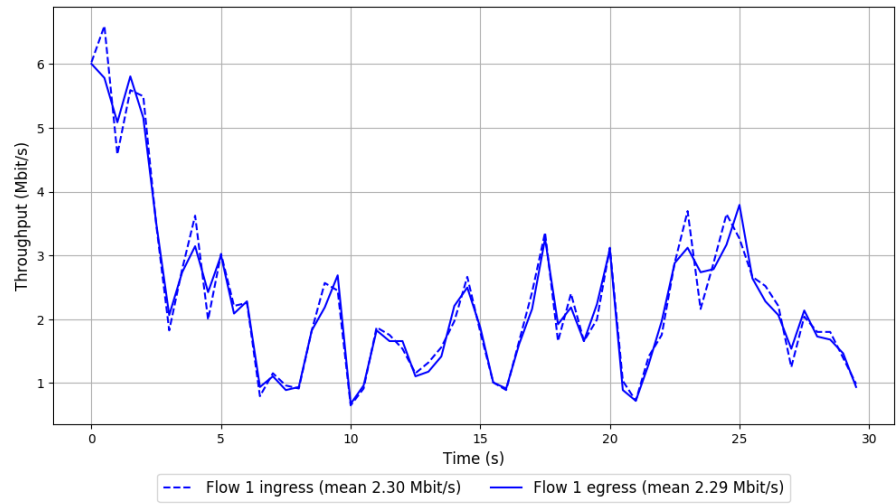
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 39.970 ms

Loss rate: 0.77%

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



Run 6: Statistics of TCP Vegas

Start at: 2017-09-21 21:08:17

End at: 2017-09-21 21:08:47

Local clock offset: -2.066 ms

Remote clock offset: 0.162 ms

# Below is generated by plot.py at 2017-09-21 22:37:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.68 Mbit/s

95th percentile per-packet one-way delay: 40.004 ms

Loss rate: 0.96%

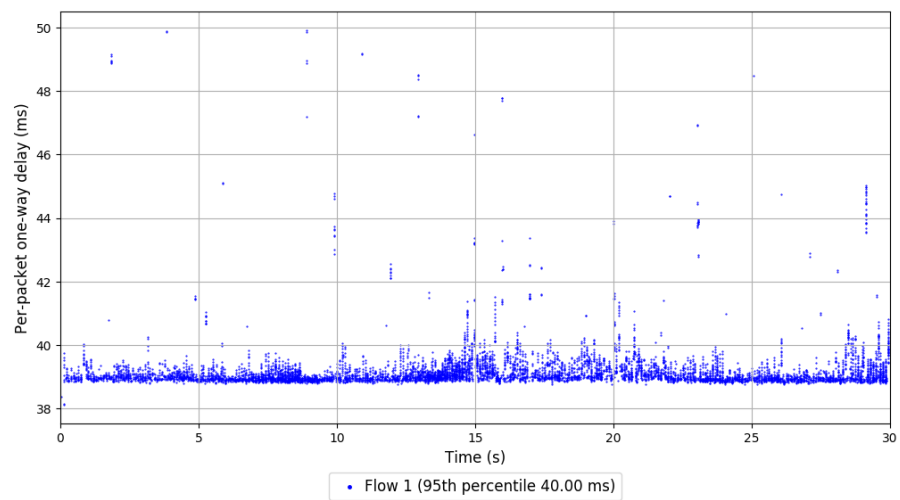
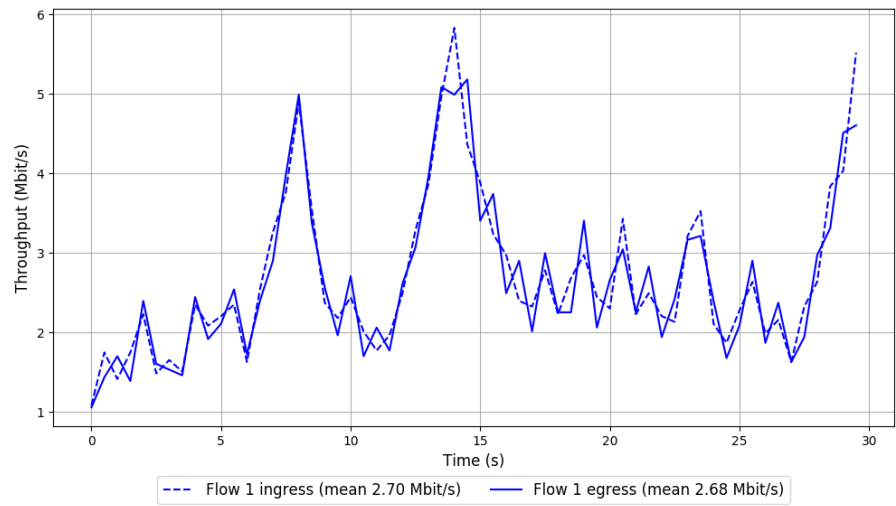
-- Flow 1:

Average throughput: 2.68 Mbit/s

95th percentile per-packet one-way delay: 40.004 ms

Loss rate: 0.96%

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



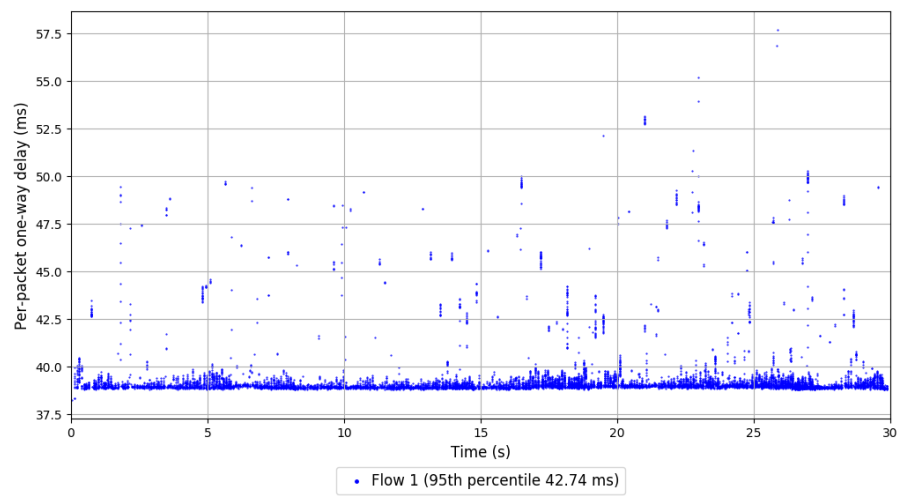
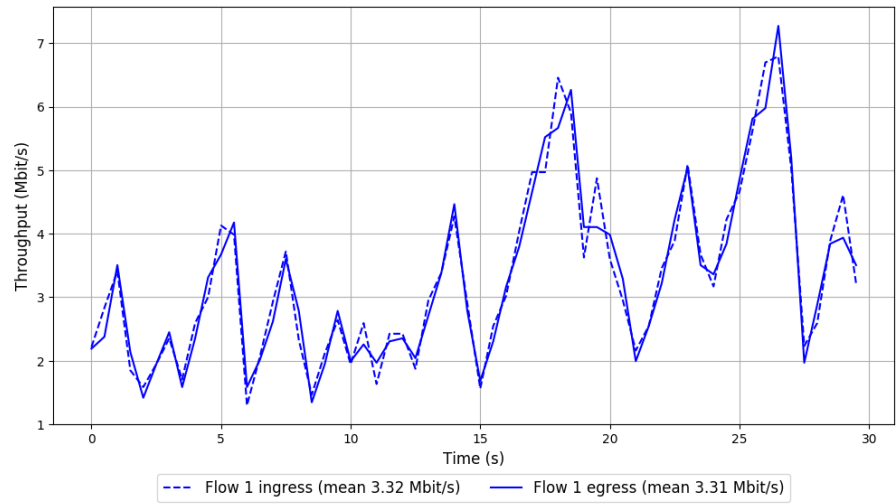
Run 7: Statistics of TCP Vegas

Start at: 2017-09-21 21:27:12  
End at: 2017-09-21 21:27:42  
Local clock offset: -1.551 ms  
Remote clock offset: -0.079 ms

# Below is generated by plot.py at 2017-09-21 22:37:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.31 Mbit/s  
95th percentile per-packet one-way delay: 42.739 ms  
Loss rate: 0.53%  
-- Flow 1:  
Average throughput: 3.31 Mbit/s  
95th percentile per-packet one-way delay: 42.739 ms  
Loss rate: 0.53%



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

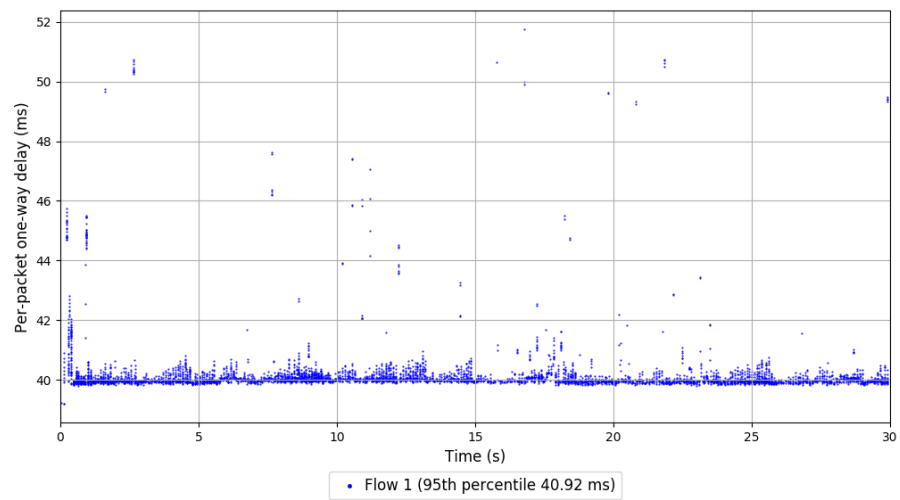
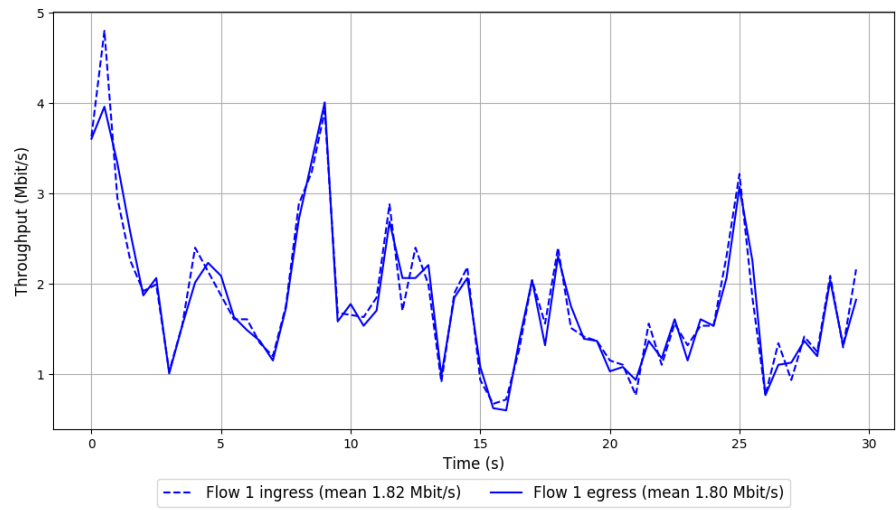


Run 8: Statistics of TCP Vegas

Start at: 2017-09-21 21:47:23  
End at: 2017-09-21 21:47:53  
Local clock offset: 0.096 ms  
Remote clock offset: -0.262 ms

# Below is generated by plot.py at 2017-09-21 22:37:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.80 Mbit/s  
95th percentile per-packet one-way delay: 40.922 ms  
Loss rate: 1.17%  
-- Flow 1:  
Average throughput: 1.80 Mbit/s  
95th percentile per-packet one-way delay: 40.922 ms  
Loss rate: 1.17%

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



Run 9: Statistics of TCP Vegas

Start at: 2017-09-21 22:07:45

End at: 2017-09-21 22:08:15

Local clock offset: 0.545 ms

Remote clock offset: -0.32 ms

# Below is generated by plot.py at 2017-09-21 22:37:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 41.772 ms

Loss rate: 1.14%

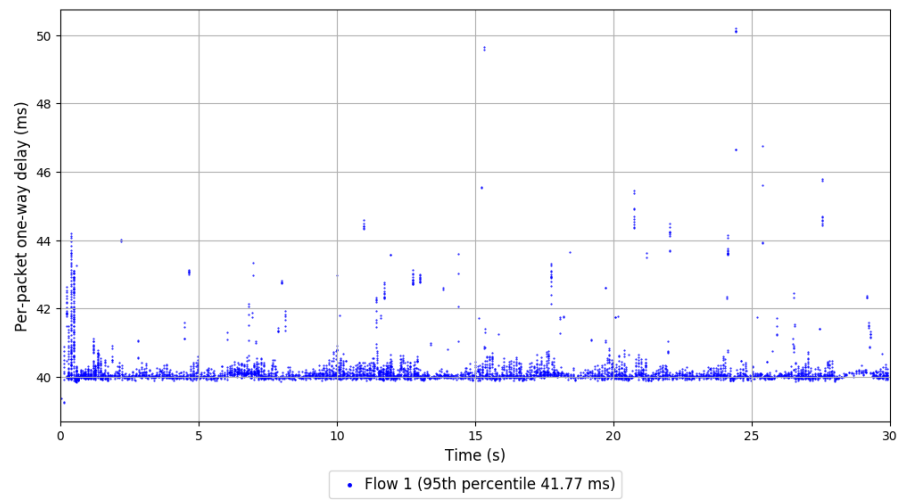
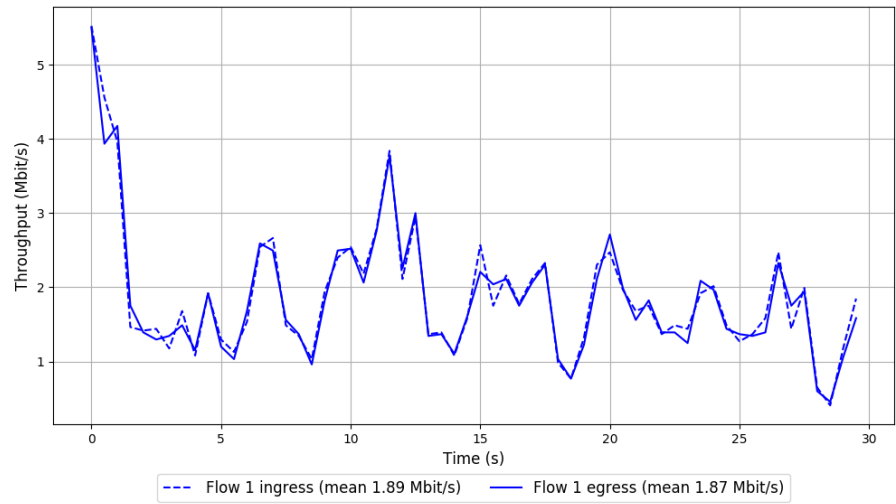
-- Flow 1:

Average throughput: 1.87 Mbit/s

95th percentile per-packet one-way delay: 41.772 ms

Loss rate: 1.14%

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



Run 10: Statistics of TCP Vegas

Start at: 2017-09-21 22:28:54

End at: 2017-09-21 22:29:24

Local clock offset: 0.806 ms

Remote clock offset: -0.623 ms

# Below is generated by plot.py at 2017-09-21 22:37:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.02 Mbit/s

95th percentile per-packet one-way delay: 50.211 ms

Loss rate: 0.66%

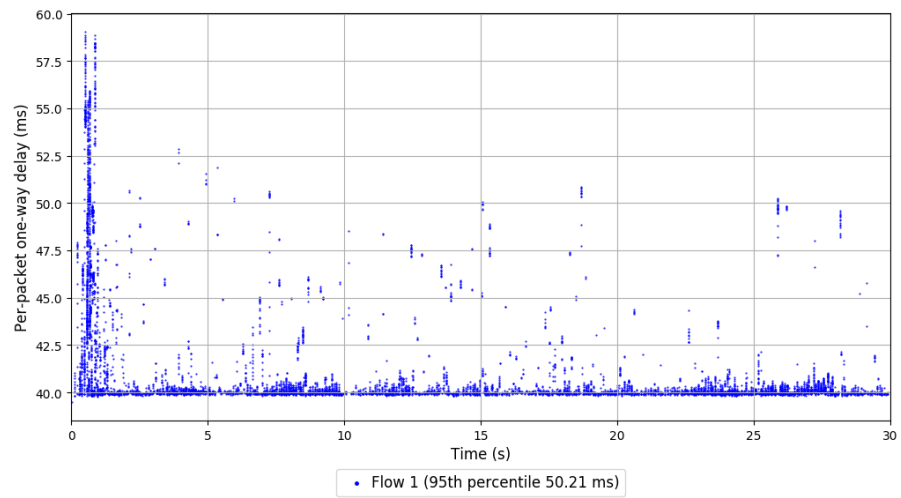
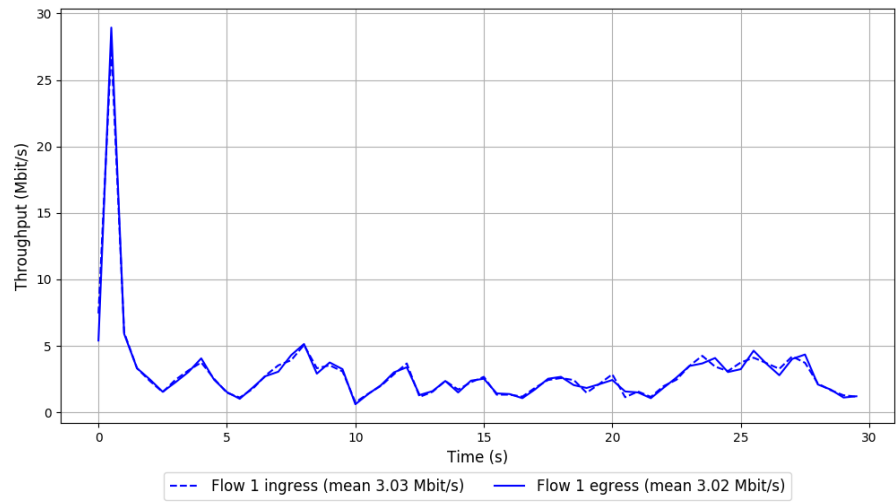
-- Flow 1:

Average throughput: 3.02 Mbit/s

95th percentile per-packet one-way delay: 50.211 ms

Loss rate: 0.66%

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



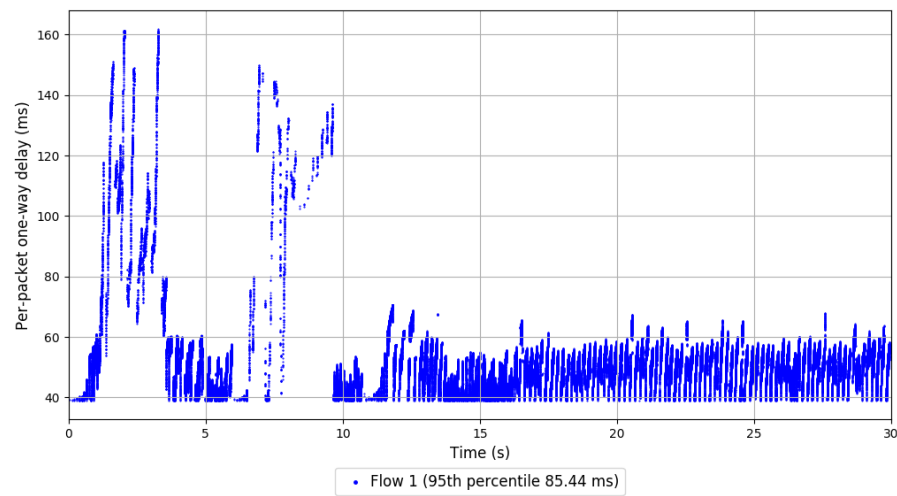
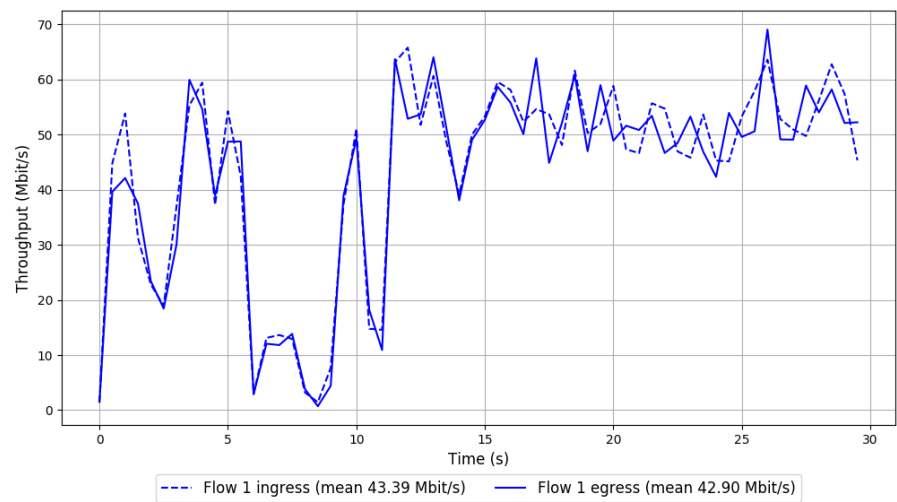
Run 1: Statistics of Verus

Start at: 2017-09-21 19:18:26  
End at: 2017-09-21 19:18:56  
Local clock offset: -3.811 ms  
Remote clock offset: -0.321 ms

# Below is generated by plot.py at 2017-09-21 22:37:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 42.90 Mbit/s  
95th percentile per-packet one-way delay: 85.440 ms  
Loss rate: 1.42%  
-- Flow 1:  
Average throughput: 42.90 Mbit/s  
95th percentile per-packet one-way delay: 85.440 ms  
Loss rate: 1.42%



Run 1: Report of Verus — Data Link

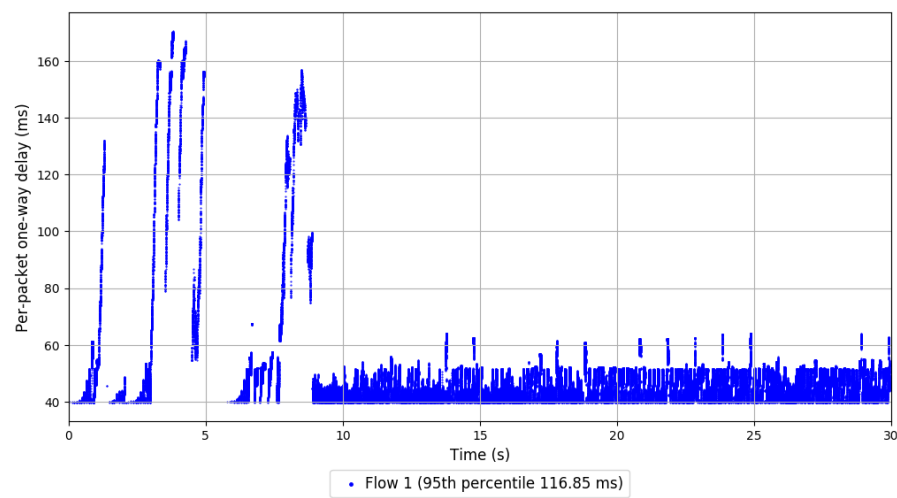
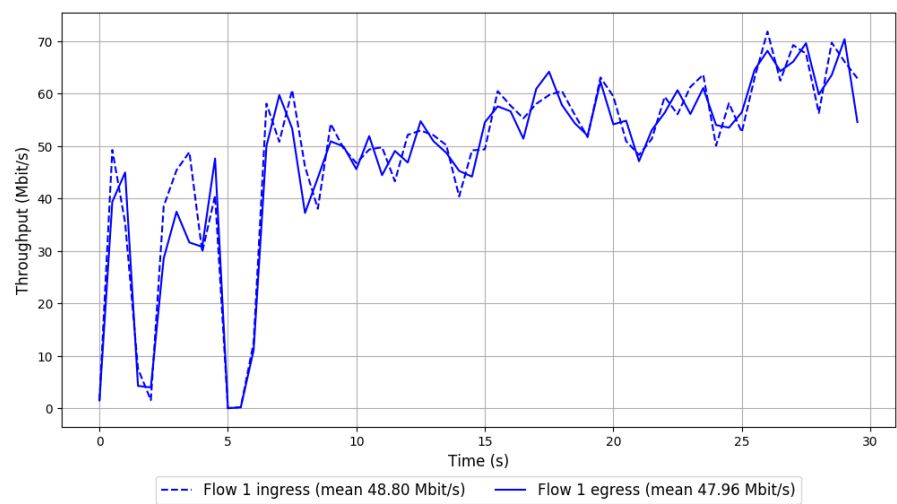


Run 2: Statistics of Verus

Start at: 2017-09-21 19:37:23  
End at: 2017-09-21 19:37:53  
Local clock offset: -2.996 ms  
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2017-09-21 22:37:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 47.96 Mbit/s  
95th percentile per-packet one-way delay: 116.848 ms  
Loss rate: 2.01%  
-- Flow 1:  
Average throughput: 47.96 Mbit/s  
95th percentile per-packet one-way delay: 116.848 ms  
Loss rate: 2.01%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2017-09-21 19:57:29

End at: 2017-09-21 19:57:59

Local clock offset: -3.443 ms

Remote clock offset: 0.06 ms

# Below is generated by plot.py at 2017-09-21 22:37:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 23.97 Mbit/s

95th percentile per-packet one-way delay: 156.424 ms

Loss rate: 5.59%

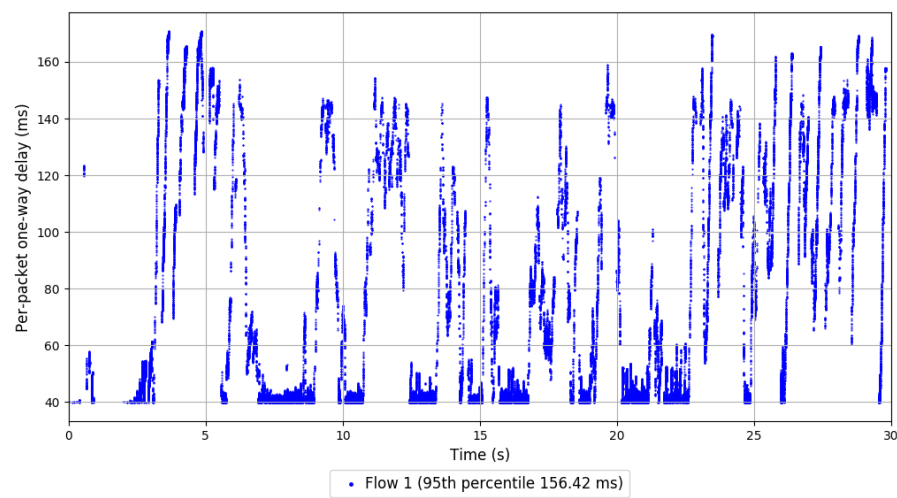
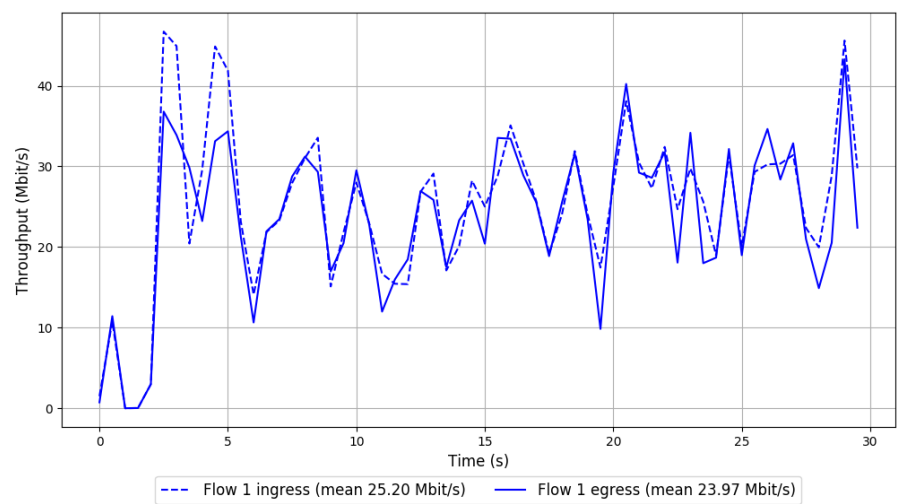
-- Flow 1:

Average throughput: 23.97 Mbit/s

95th percentile per-packet one-way delay: 156.424 ms

Loss rate: 5.59%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2017-09-21 20:16:15

End at: 2017-09-21 20:16:45

Local clock offset: -2.77 ms

Remote clock offset: 0.199 ms

# Below is generated by plot.py at 2017-09-21 22:37:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.57 Mbit/s

95th percentile per-packet one-way delay: 60.254 ms

Loss rate: 0.73%

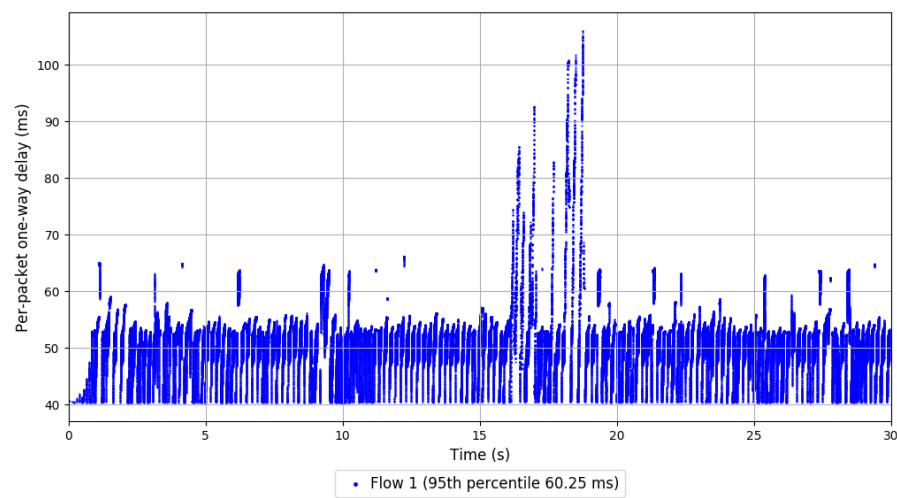
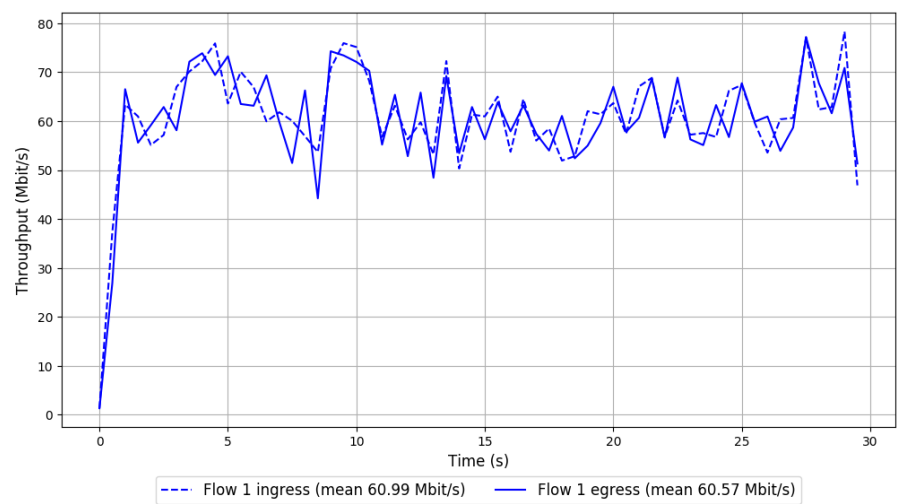
-- Flow 1:

Average throughput: 60.57 Mbit/s

95th percentile per-packet one-way delay: 60.254 ms

Loss rate: 0.73%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2017-09-21 20:35:31

End at: 2017-09-21 20:36:01

Local clock offset: -3.616 ms

Remote clock offset: 0.255 ms

# Below is generated by plot.py at 2017-09-21 22:37:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.82 Mbit/s

95th percentile per-packet one-way delay: 63.971 ms

Loss rate: 1.07%

-- Flow 1:

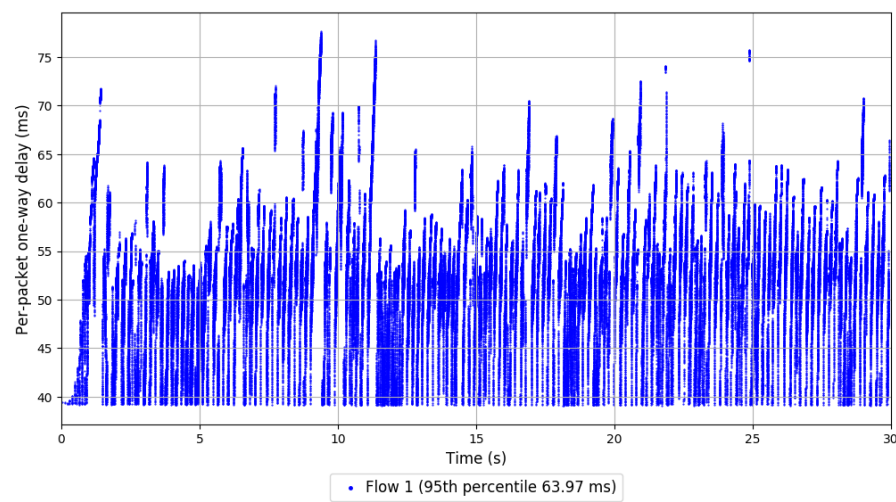
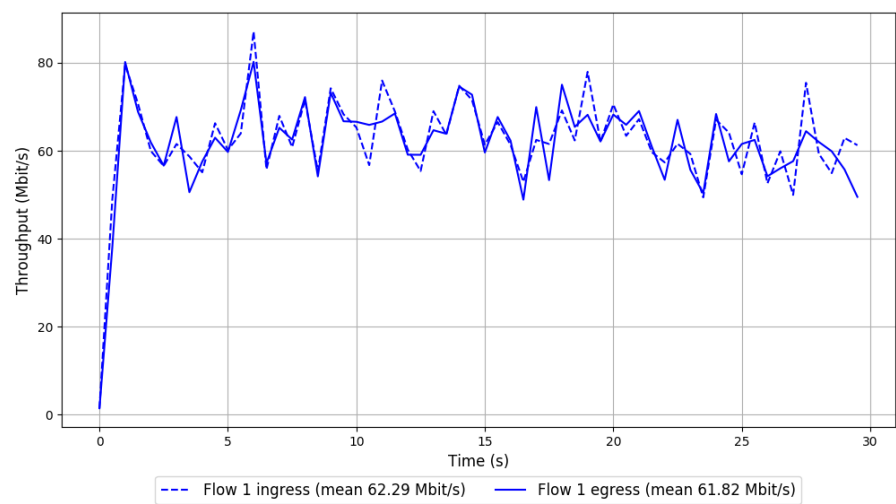
Average throughput: 61.82 Mbit/s

95th percentile per-packet one-way delay: 63.971 ms

Loss rate: 1.07%



Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2017-09-21 20:55:05

End at: 2017-09-21 20:55:35

Local clock offset: -2.73 ms

Remote clock offset: 0.151 ms

# Below is generated by plot.py at 2017-09-21 22:37:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 54.71 Mbit/s

95th percentile per-packet one-way delay: 85.238 ms

Loss rate: 0.74%

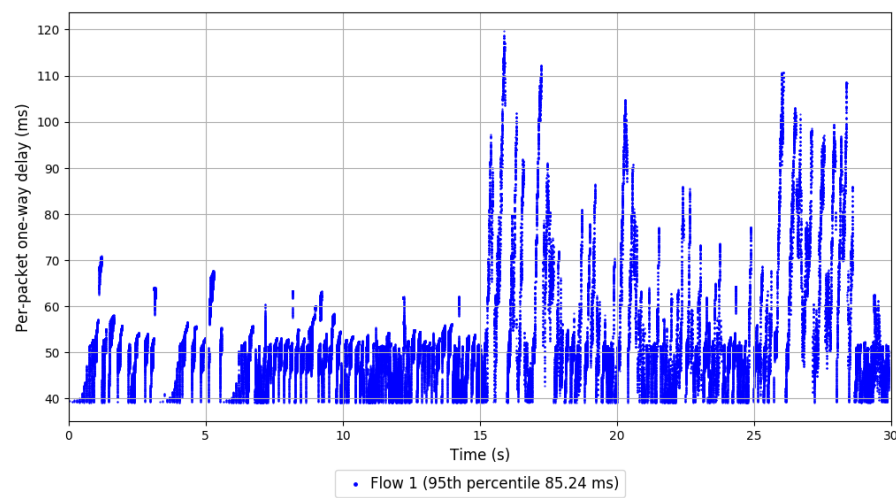
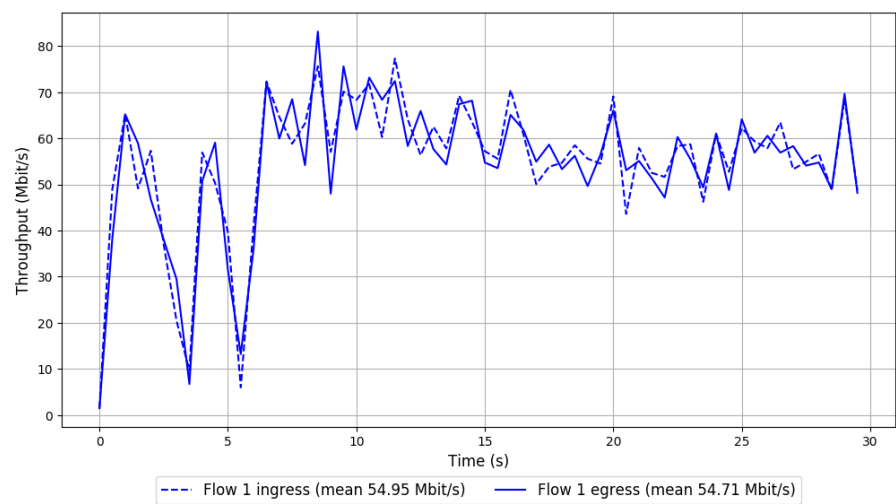
-- Flow 1:

Average throughput: 54.71 Mbit/s

95th percentile per-packet one-way delay: 85.238 ms

Loss rate: 0.74%

Run 6: Report of Verus — Data Link

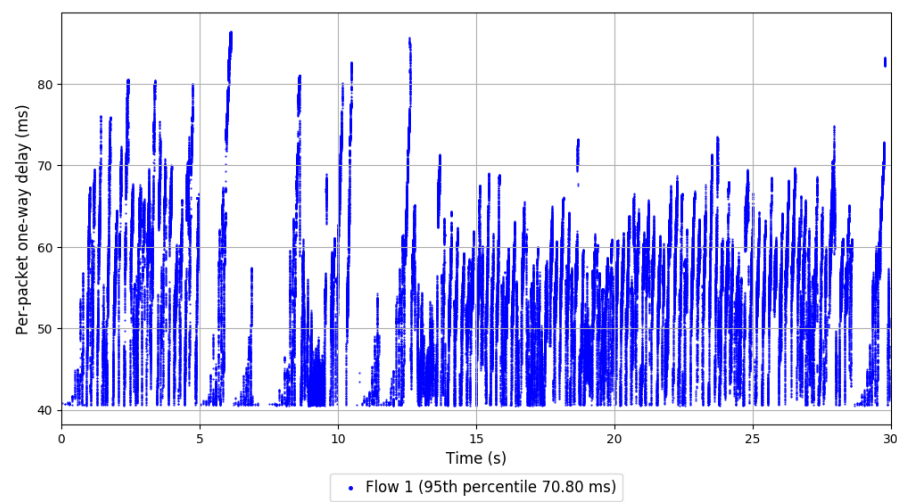
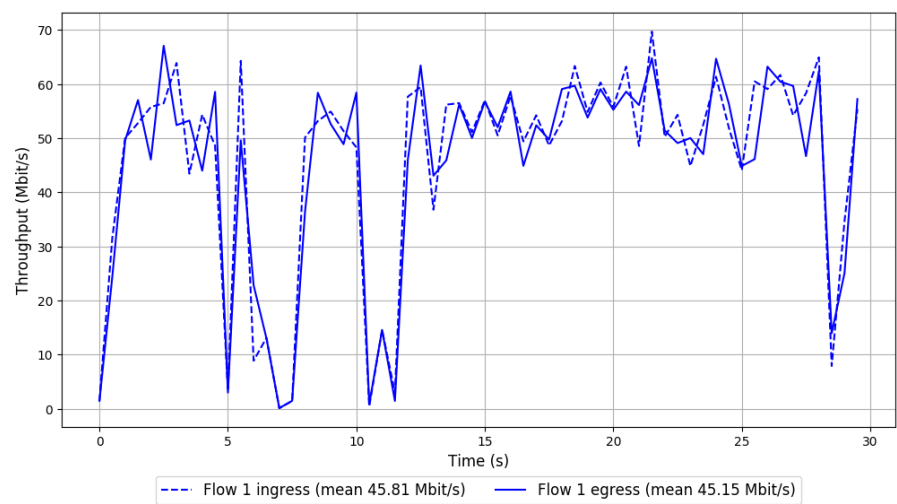


Run 7: Statistics of Verus

Start at: 2017-09-21 21:14:42  
End at: 2017-09-21 21:15:12  
Local clock offset: -0.556 ms  
Remote clock offset: -0.131 ms

# Below is generated by plot.py at 2017-09-21 22:37:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.15 Mbit/s  
95th percentile per-packet one-way delay: 70.795 ms  
Loss rate: 1.69%  
-- Flow 1:  
Average throughput: 45.15 Mbit/s  
95th percentile per-packet one-way delay: 70.795 ms  
Loss rate: 1.69%

Run 7: Report of Verus — Data Link

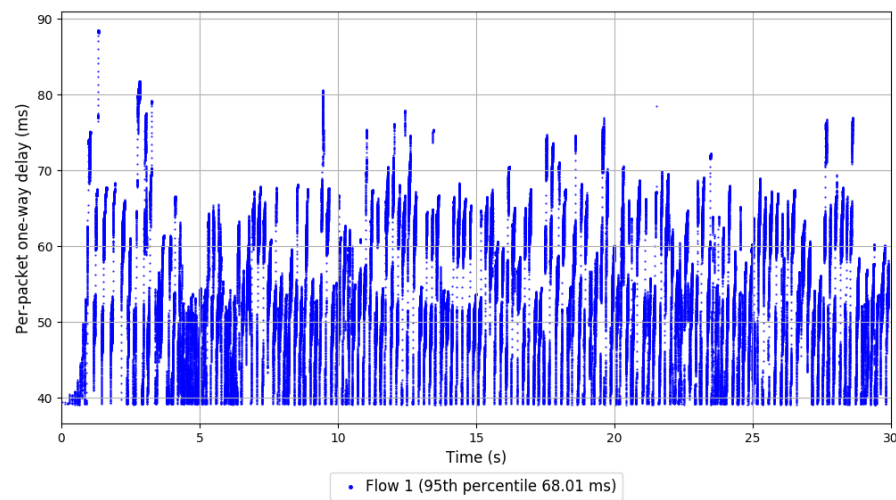
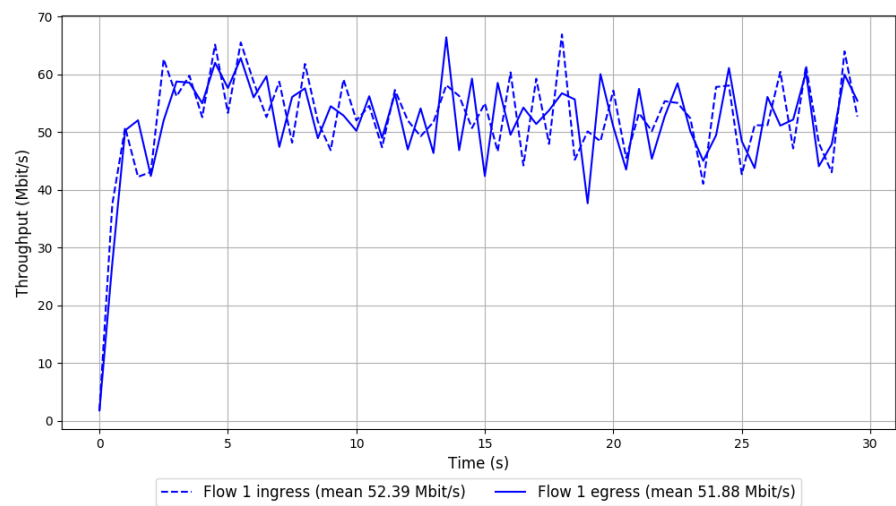


Run 8: Statistics of Verus

Start at: 2017-09-21 21:33:54  
End at: 2017-09-21 21:34:24  
Local clock offset: -1.251 ms  
Remote clock offset: -0.124 ms

# Below is generated by plot.py at 2017-09-21 22:37:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 51.88 Mbit/s  
95th percentile per-packet one-way delay: 68.007 ms  
Loss rate: 0.98%  
-- Flow 1:  
Average throughput: 51.88 Mbit/s  
95th percentile per-packet one-way delay: 68.007 ms  
Loss rate: 0.98%

Run 8: Report of Verus — Data Link



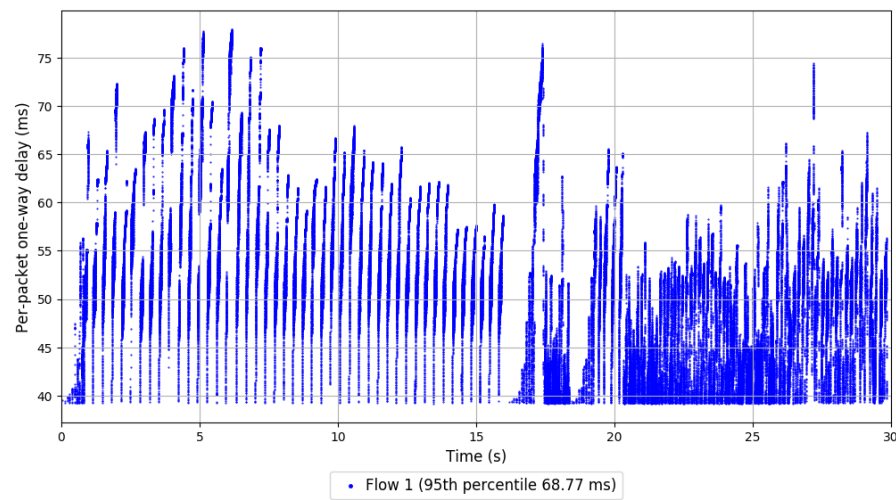
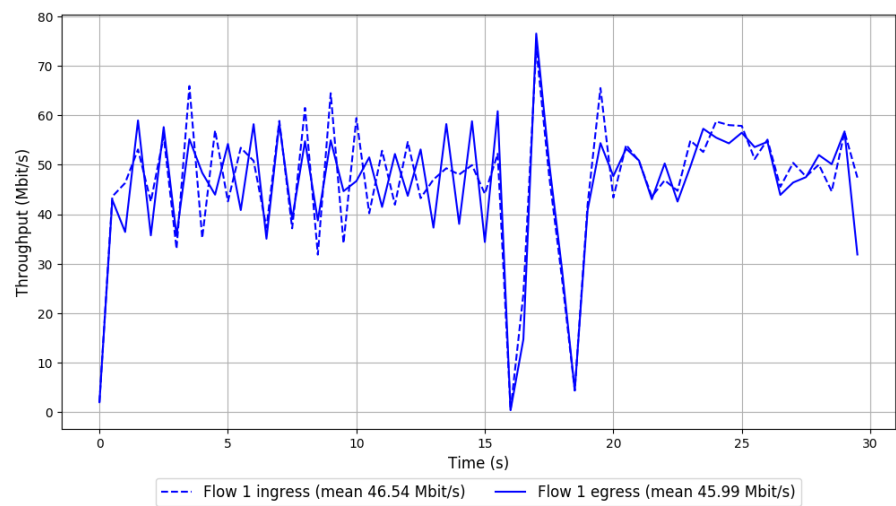
Run 9: Statistics of Verus

Start at: 2017-09-21 21:53:51  
End at: 2017-09-21 21:54:21  
Local clock offset: -0.741 ms  
Remote clock offset: -0.291 ms

# Below is generated by plot.py at 2017-09-21 22:37:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.99 Mbit/s  
95th percentile per-packet one-way delay: 68.774 ms  
Loss rate: 1.72%  
-- Flow 1:  
Average throughput: 45.99 Mbit/s  
95th percentile per-packet one-way delay: 68.774 ms  
Loss rate: 1.72%



Run 9: Report of Verus — Data Link

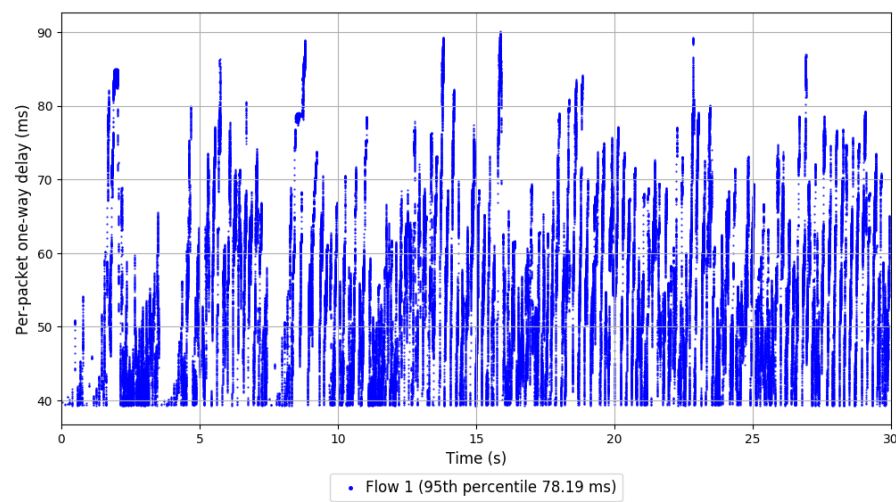
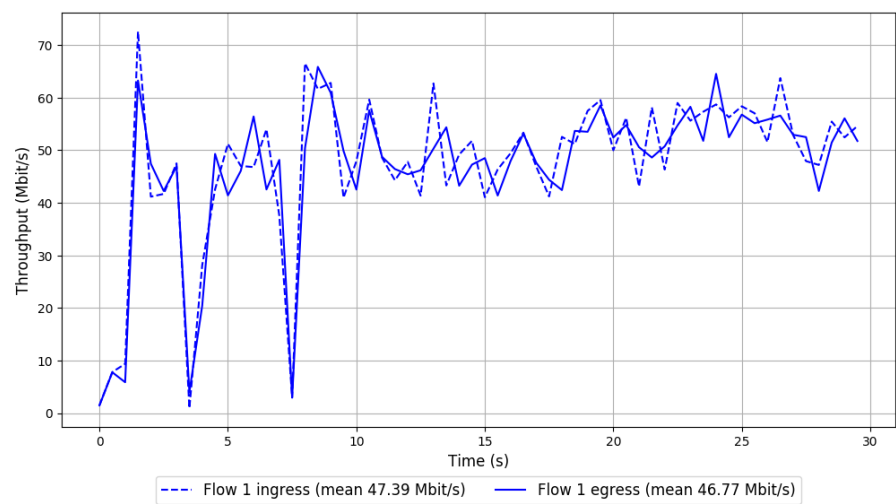


Run 10: Statistics of Verus

Start at: 2017-09-21 22:14:15  
End at: 2017-09-21 22:14:45  
Local clock offset: -0.46 ms  
Remote clock offset: -0.532 ms

# Below is generated by plot.py at 2017-09-21 22:37:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.77 Mbit/s  
95th percentile per-packet one-way delay: 78.194 ms  
Loss rate: 1.59%  
-- Flow 1:  
Average throughput: 46.77 Mbit/s  
95th percentile per-packet one-way delay: 78.194 ms  
Loss rate: 1.59%

Run 10: Report of Verus — Data Link

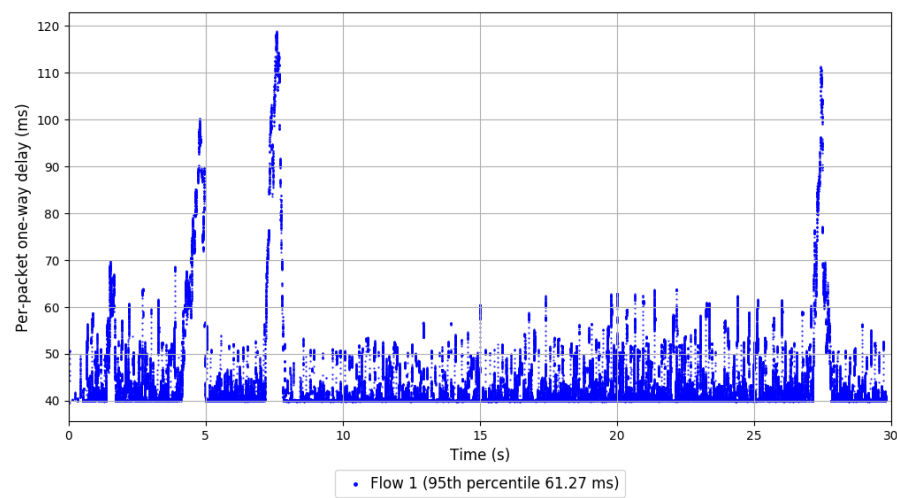
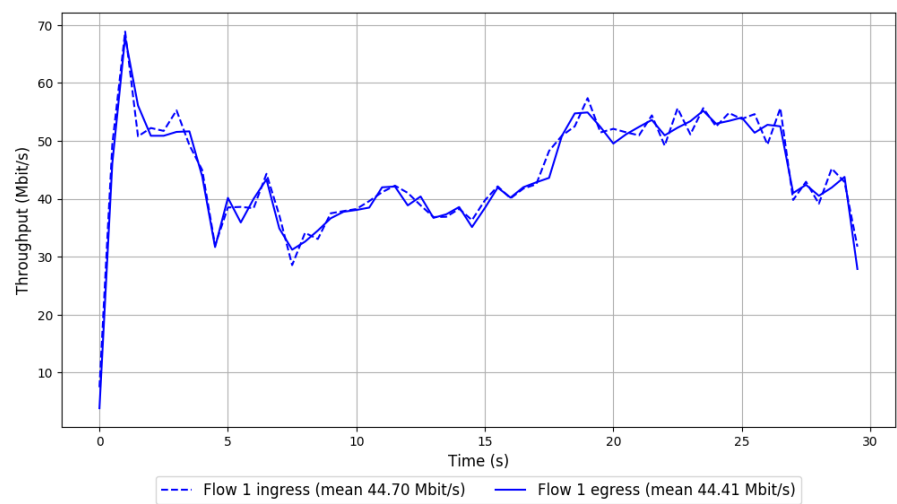


Run 1: Statistics of Indigo

Start at: 2017-09-21 19:27:30  
End at: 2017-09-21 19:28:00  
Local clock offset: -2.752 ms  
Remote clock offset: -0.157 ms

# Below is generated by plot.py at 2017-09-21 22:37:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 44.41 Mbit/s  
95th percentile per-packet one-way delay: 61.274 ms  
Loss rate: 0.93%  
-- Flow 1:  
Average throughput: 44.41 Mbit/s  
95th percentile per-packet one-way delay: 61.274 ms  
Loss rate: 0.93%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2017-09-21 19:47:06

End at: 2017-09-21 19:47:36

Local clock offset: -4.24 ms

Remote clock offset: 0.072 ms

# Below is generated by plot.py at 2017-09-21 22:37:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 51.81 Mbit/s

95th percentile per-packet one-way delay: 50.982 ms

Loss rate: 1.47%

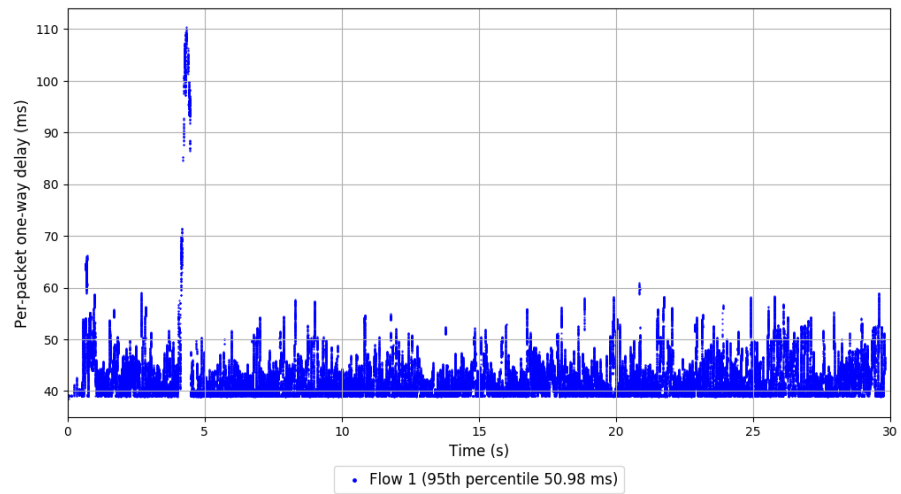
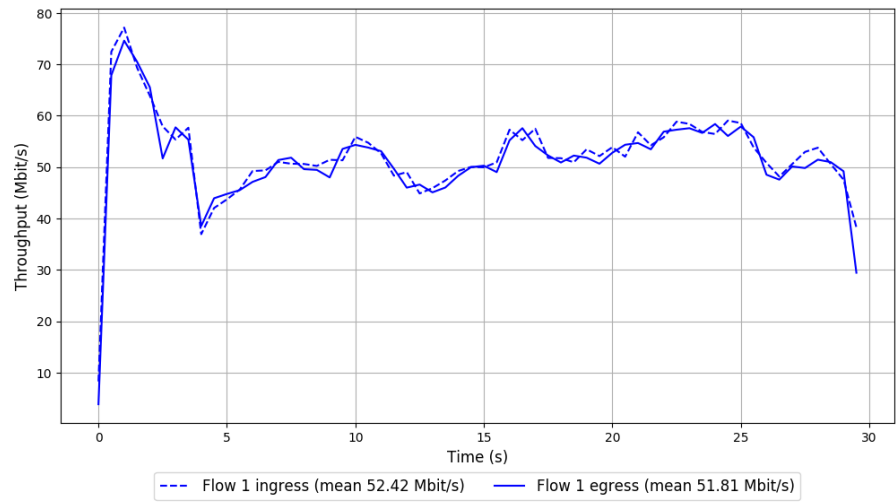
-- Flow 1:

Average throughput: 51.81 Mbit/s

95th percentile per-packet one-way delay: 50.982 ms

Loss rate: 1.47%

## Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-09-21 20:06:24

End at: 2017-09-21 20:06:54

Local clock offset: -4.286 ms

Remote clock offset: 0.096 ms

# Below is generated by plot.py at 2017-09-21 22:37:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 63.80 Mbit/s

95th percentile per-packet one-way delay: 53.479 ms

Loss rate: 0.86%

-- Flow 1:

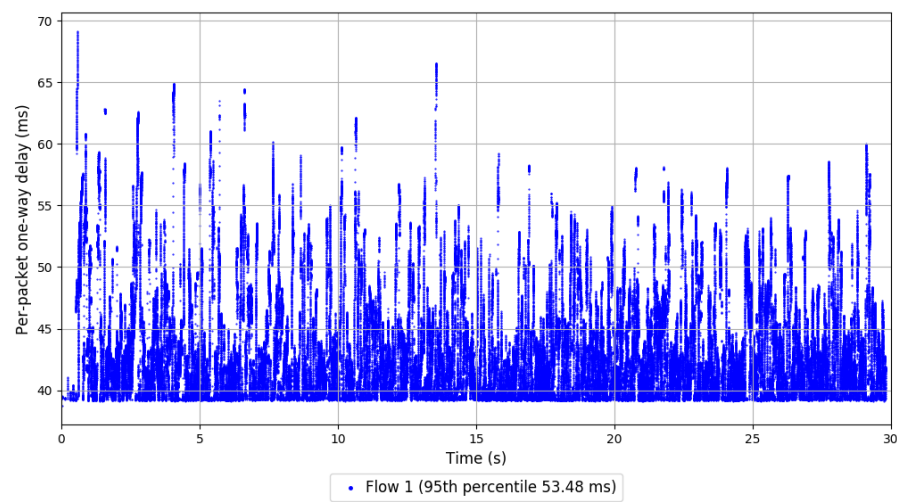
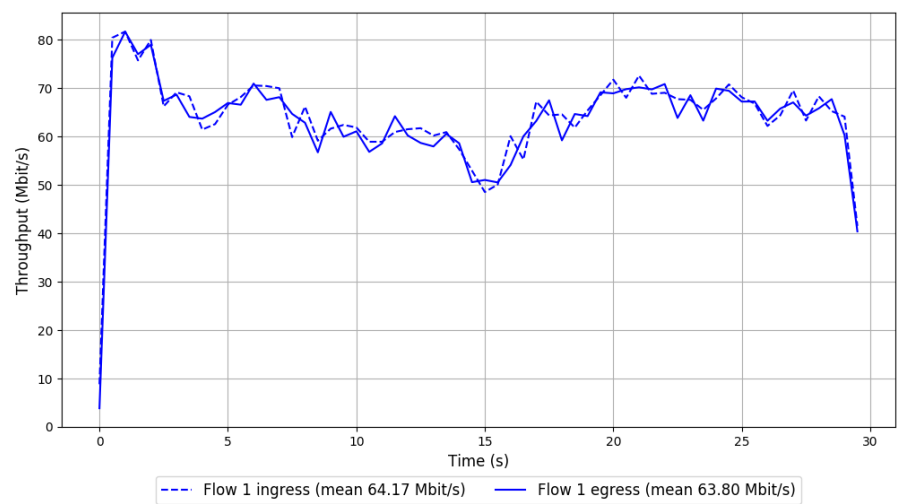
Average throughput: 63.80 Mbit/s

95th percentile per-packet one-way delay: 53.479 ms

Loss rate: 0.86%



Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2017-09-21 20:25:25

End at: 2017-09-21 20:25:55

Local clock offset: -3.84 ms

Remote clock offset: 0.267 ms

# Below is generated by plot.py at 2017-09-21 22:37:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.42 Mbit/s

95th percentile per-packet one-way delay: 71.597 ms

Loss rate: 1.16%

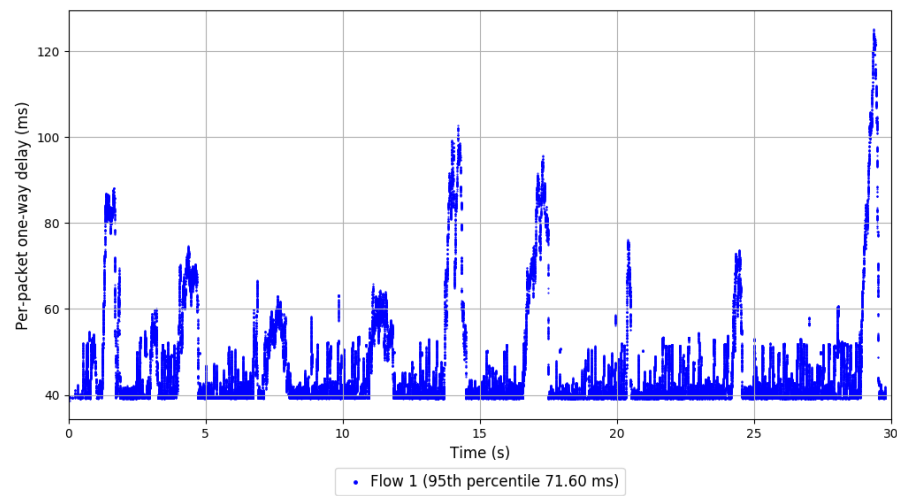
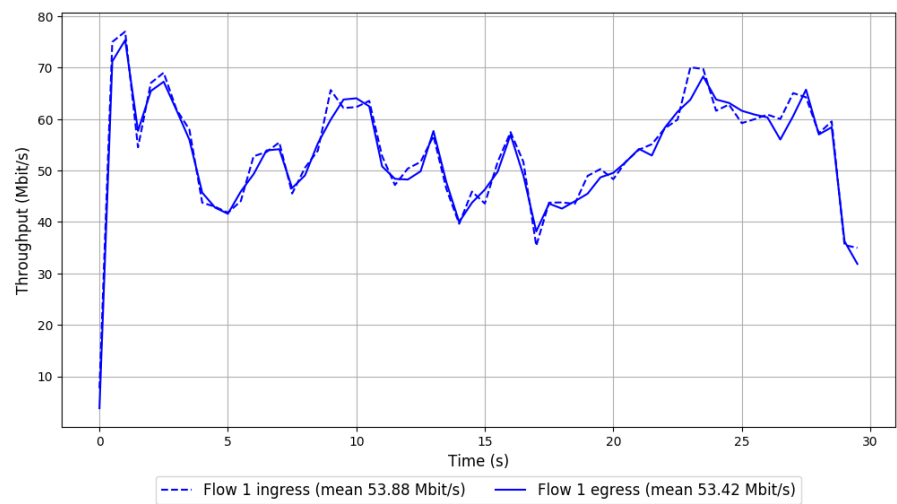
-- Flow 1:

Average throughput: 53.42 Mbit/s

95th percentile per-packet one-way delay: 71.597 ms

Loss rate: 1.16%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2017-09-21 20:44:59

End at: 2017-09-21 20:45:29

Local clock offset: -1.845 ms

Remote clock offset: 0.242 ms

# Below is generated by plot.py at 2017-09-21 22:38:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.59 Mbit/s

95th percentile per-packet one-way delay: 53.106 ms

Loss rate: 0.60%

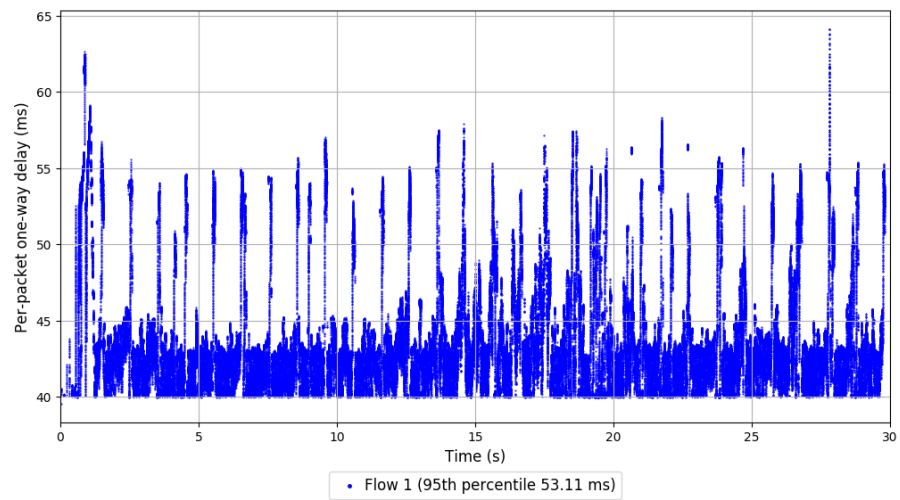
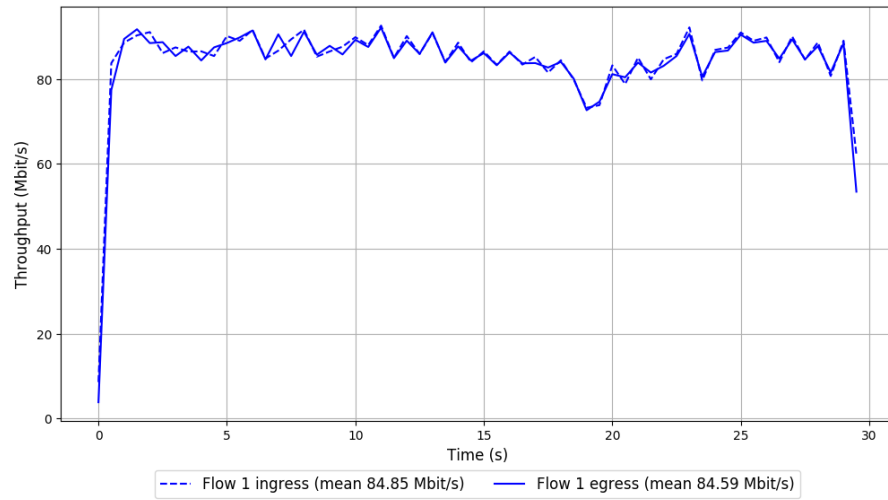
-- Flow 1:

Average throughput: 84.59 Mbit/s

95th percentile per-packet one-way delay: 53.106 ms

Loss rate: 0.60%

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



Run 6: Statistics of Indigo

Start at: 2017-09-21 21:04:25

End at: 2017-09-21 21:04:55

Local clock offset: -2.421 ms

Remote clock offset: 0.177 ms

# Below is generated by plot.py at 2017-09-21 22:38:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 42.35 Mbit/s

95th percentile per-packet one-way delay: 47.781 ms

Loss rate: 1.38%

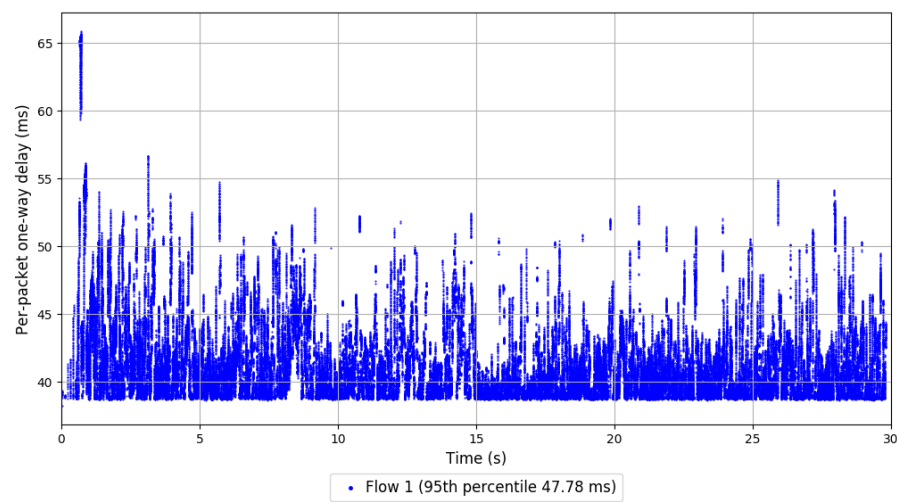
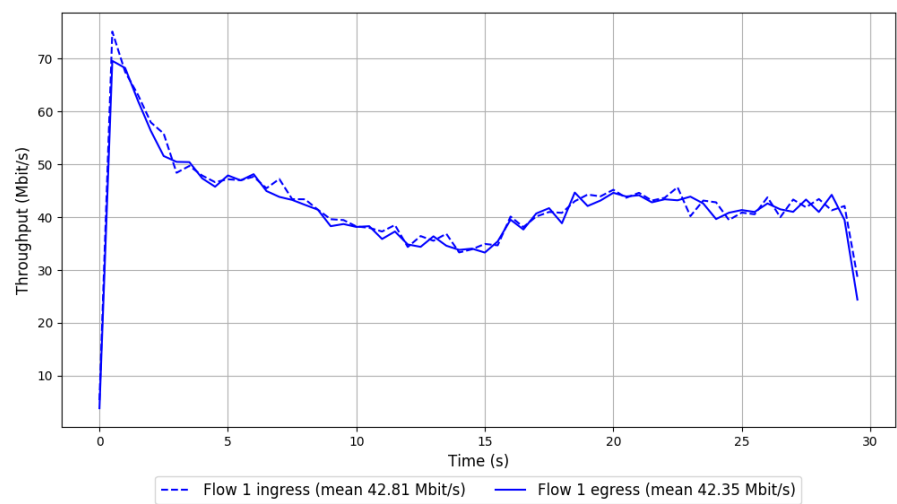
-- Flow 1:

Average throughput: 42.35 Mbit/s

95th percentile per-packet one-way delay: 47.781 ms

Loss rate: 1.38%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2017-09-21 21:23:28

End at: 2017-09-21 21:23:58

Local clock offset: -0.281 ms

Remote clock offset: 0.01 ms

# Below is generated by plot.py at 2017-09-21 22:38:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 67.84 Mbit/s

95th percentile per-packet one-way delay: 54.501 ms

Loss rate: 0.66%

-- Flow 1:

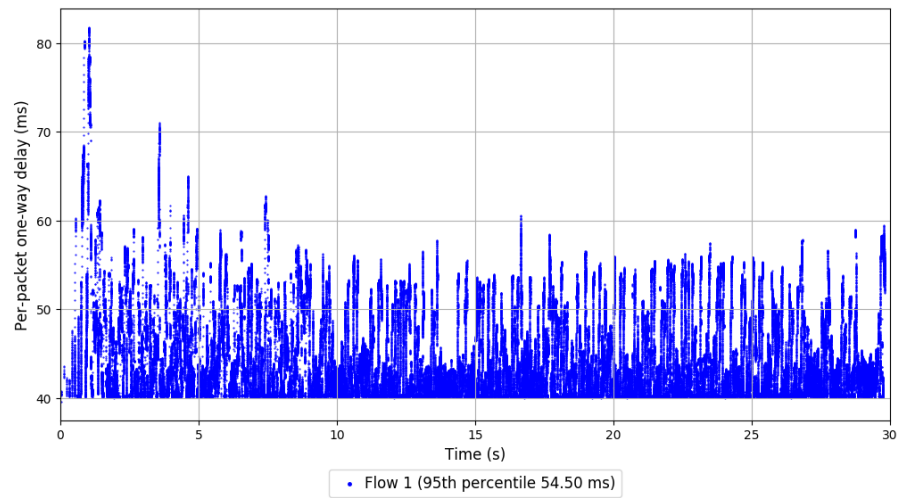
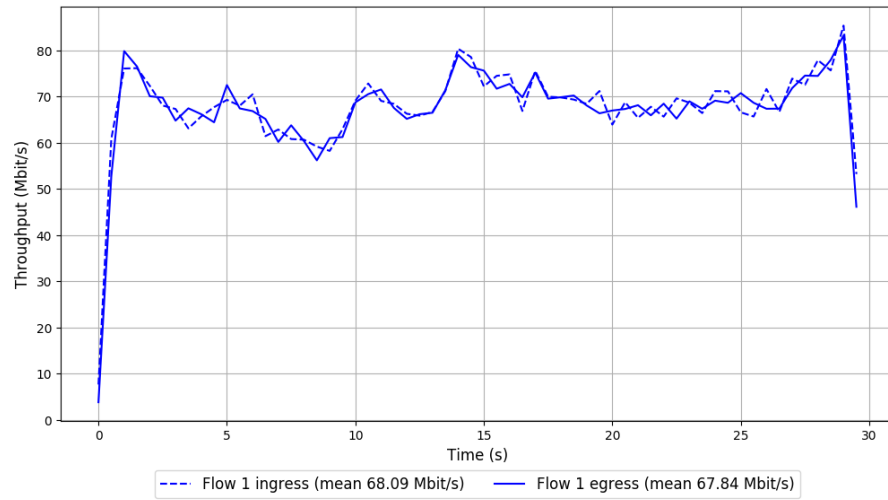
Average throughput: 67.84 Mbit/s

95th percentile per-packet one-way delay: 54.501 ms

Loss rate: 0.66%



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

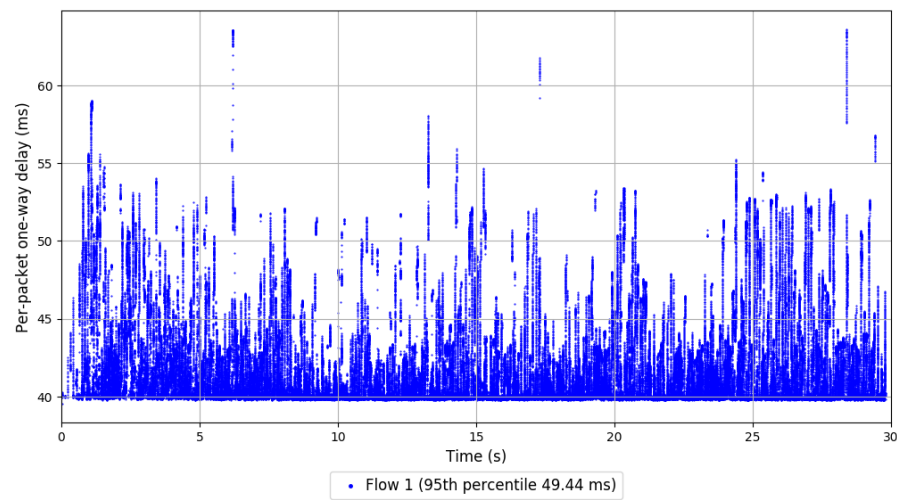
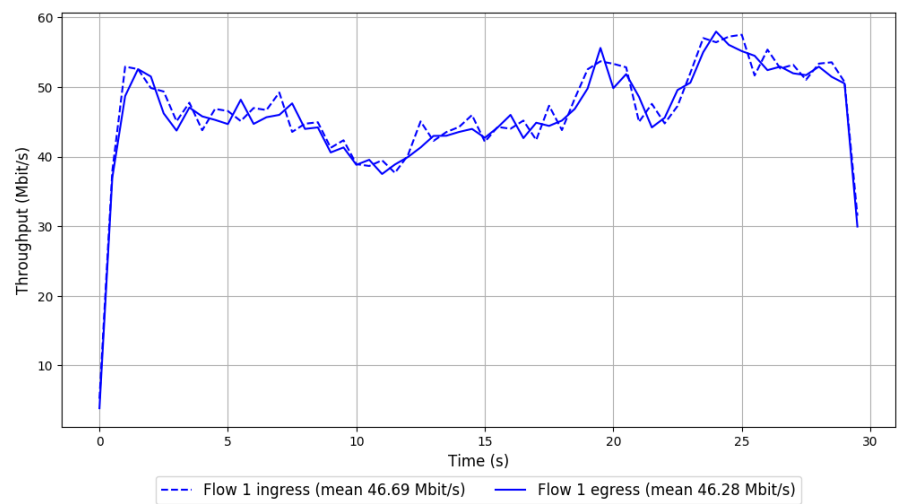


Run 8: Statistics of Indigo

Start at: 2017-09-21 21:43:33  
End at: 2017-09-21 21:44:03  
Local clock offset: 0.295 ms  
Remote clock offset: -0.226 ms

# Below is generated by plot.py at 2017-09-21 22:38:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.28 Mbit/s  
95th percentile per-packet one-way delay: 49.436 ms  
Loss rate: 1.19%  
-- Flow 1:  
Average throughput: 46.28 Mbit/s  
95th percentile per-packet one-way delay: 49.436 ms  
Loss rate: 1.19%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2017-09-21 22:03:42

End at: 2017-09-21 22:04:12

Local clock offset: -0.76 ms

Remote clock offset: -0.358 ms

# Below is generated by plot.py at 2017-09-21 22:38:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 63.63 Mbit/s

95th percentile per-packet one-way delay: 53.310 ms

Loss rate: 1.28%

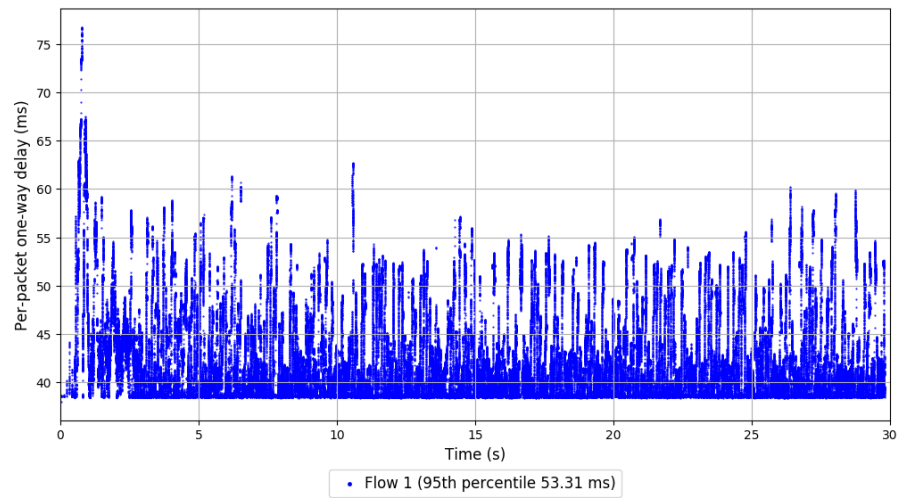
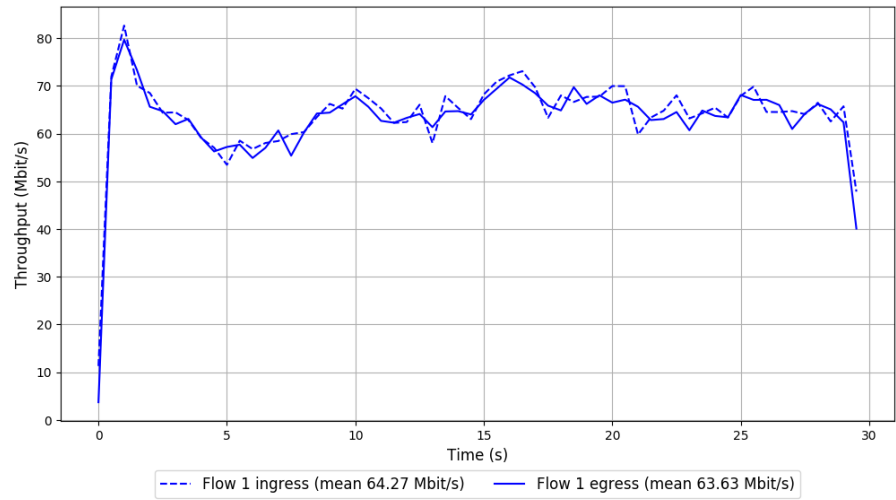
-- Flow 1:

Average throughput: 63.63 Mbit/s

95th percentile per-packet one-way delay: 53.310 ms

Loss rate: 1.28%

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



Run 10: Statistics of Indigo

Start at: 2017-09-21 22:24:50

End at: 2017-09-21 22:25:20

Local clock offset: -0.515 ms

Remote clock offset: -0.6 ms

# Below is generated by plot.py at 2017-09-21 22:38:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.53 Mbit/s

95th percentile per-packet one-way delay: 58.625 ms

Loss rate: 1.74%

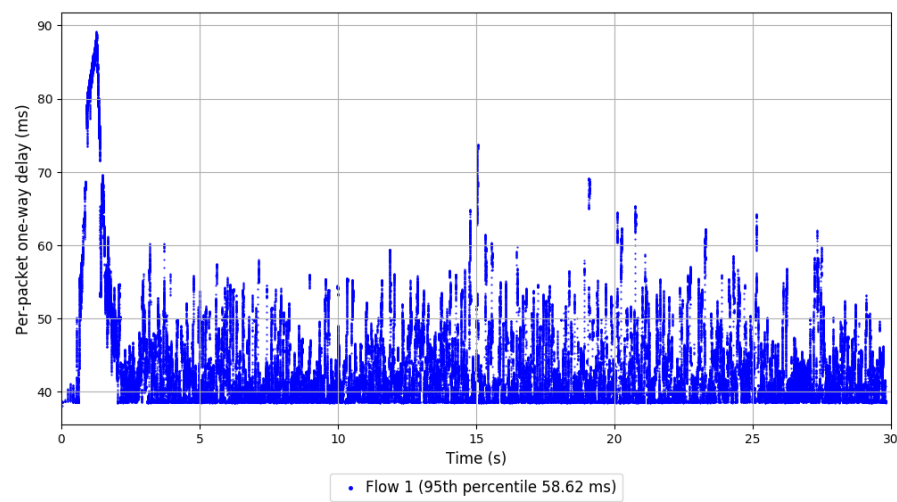
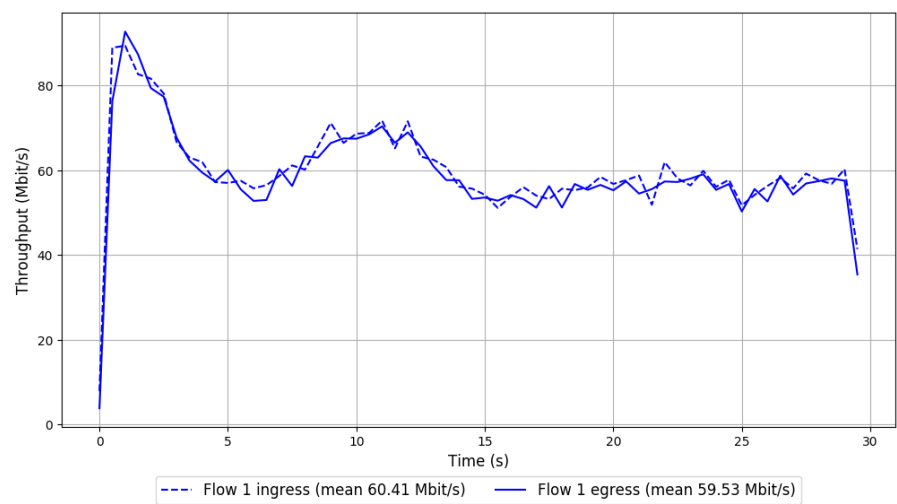
-- Flow 1:

Average throughput: 59.53 Mbit/s

95th percentile per-packet one-way delay: 58.625 ms

Loss rate: 1.74%

Run 10: Report of Indigo — Data Link



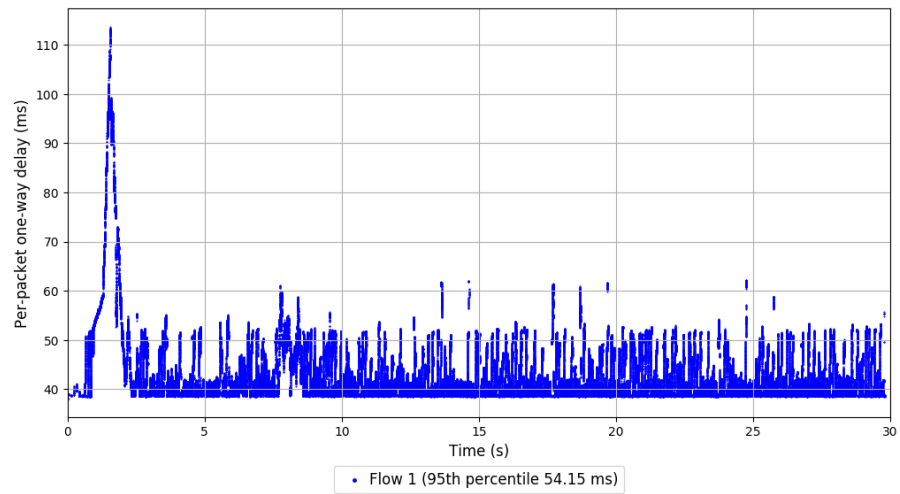
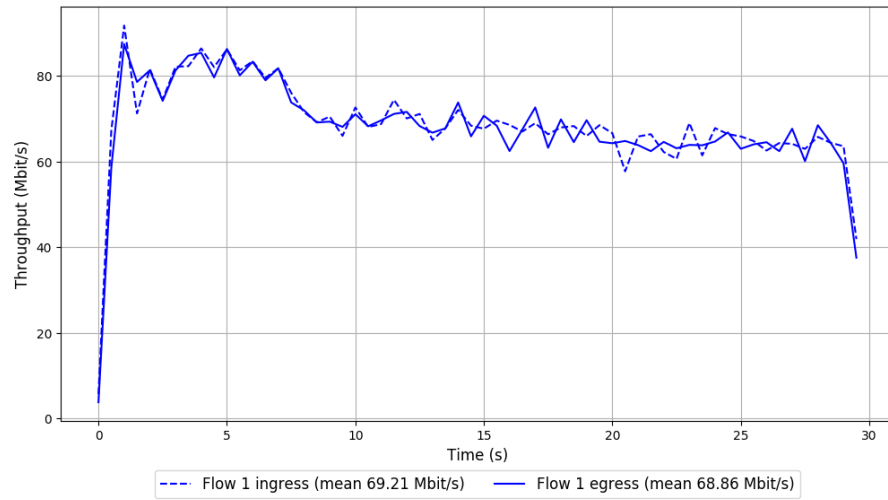
```
Run 1: Statistics of Indigo-calib

Start at: 2017-09-21 19:21:26
End at: 2017-09-21 19:21:56
Local clock offset: -3.976 ms
Remote clock offset: -0.27 ms

# Below is generated by plot.py at 2017-09-21 22:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.86 Mbit/s
95th percentile per-packet one-way delay: 54.147 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 68.86 Mbit/s
95th percentile per-packet one-way delay: 54.147 ms
Loss rate: 0.79%
```



# Run 1: Report of Indigo-calib — Data Link

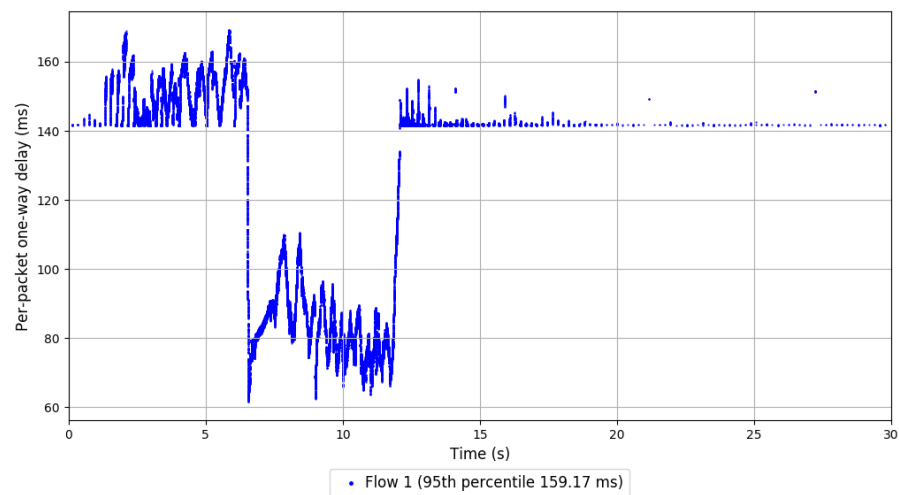
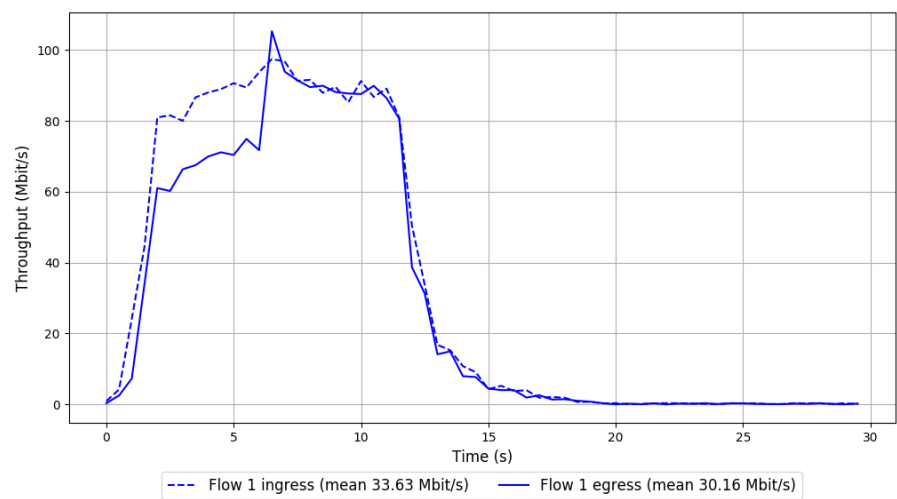


```
Run 2: Statistics of Indigo-calib

Start at: 2017-09-21 19:40:17
End at: 2017-09-21 19:40:47
Local clock offset: -2.961 ms
Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2017-09-21 22:38:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.16 Mbit/s
95th percentile per-packet one-way delay: 159.174 ms
Loss rate: 10.90%
-- Flow 1:
Average throughput: 30.16 Mbit/s
95th percentile per-packet one-way delay: 159.174 ms
Loss rate: 10.90%
```

Run 2: Report of Indigo-calib — Data Link



Run 3: Statistics of Indigo-calib

Start at: 2017-09-21 20:00:08

End at: 2017-09-21 20:00:38

Local clock offset: -4.464 ms

Remote clock offset: 0.061 ms

# Below is generated by plot.py at 2017-09-21 22:38:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.16 Mbit/s

95th percentile per-packet one-way delay: 51.414 ms

Loss rate: 0.64%

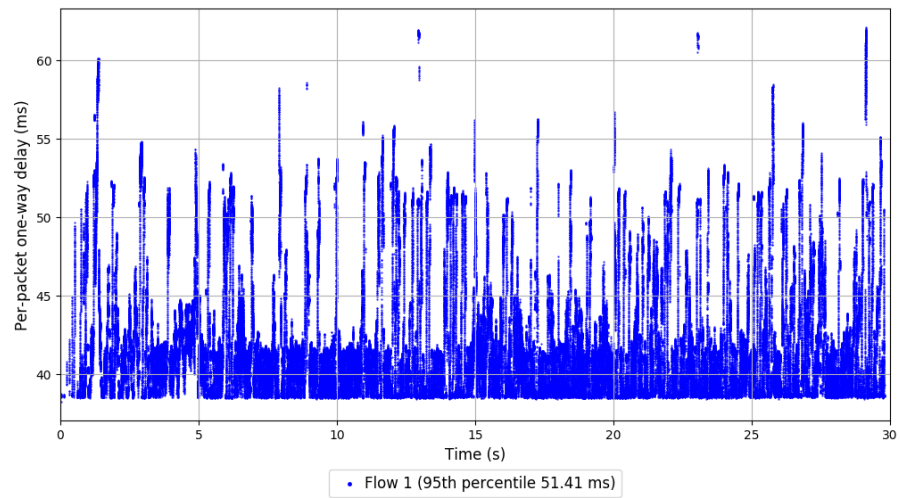
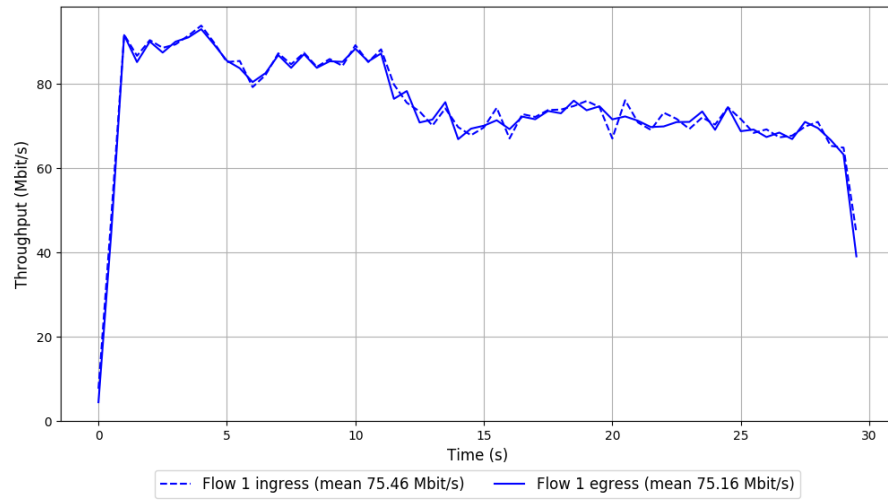
-- Flow 1:

Average throughput: 75.16 Mbit/s

95th percentile per-packet one-way delay: 51.414 ms

Loss rate: 0.64%

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



Run 4: Statistics of Indigo-calib

Start at: 2017-09-21 20:19:16

End at: 2017-09-21 20:19:46

Local clock offset: -2.687 ms

Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2017-09-21 22:38:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 47.35 Mbit/s

95th percentile per-packet one-way delay: 54.332 ms

Loss rate: 1.46%

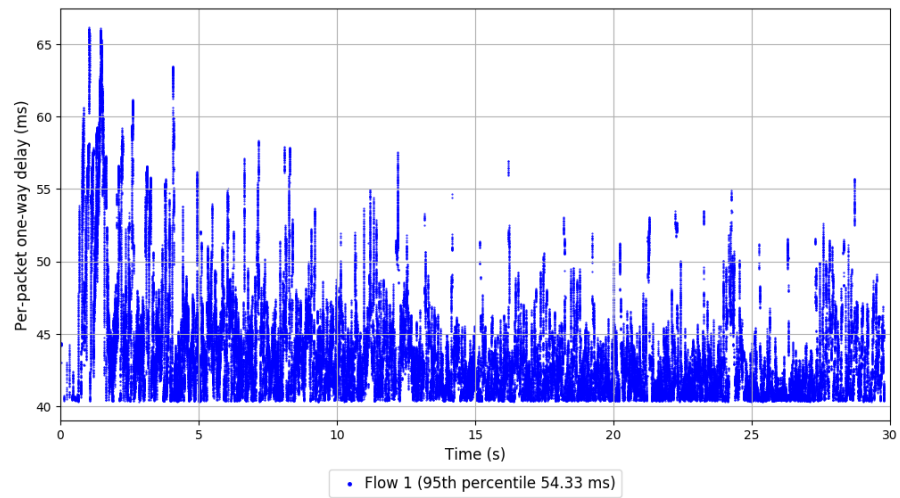
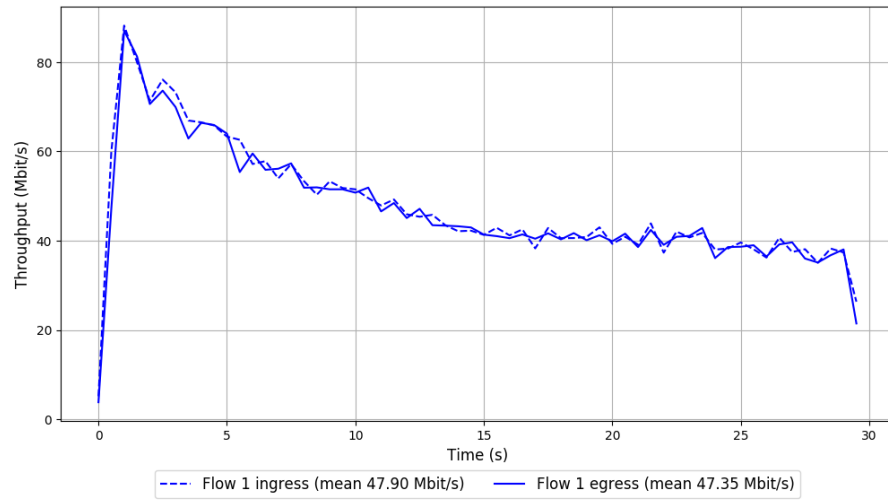
-- Flow 1:

Average throughput: 47.35 Mbit/s

95th percentile per-packet one-way delay: 54.332 ms

Loss rate: 1.46%

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



Run 5: Statistics of Indigo-calib

Start at: 2017-09-21 20:38:45

End at: 2017-09-21 20:39:15

Local clock offset: -3.503 ms

Remote clock offset: 0.126 ms

# Below is generated by plot.py at 2017-09-21 22:39:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 64.89 Mbit/s

95th percentile per-packet one-way delay: 58.262 ms

Loss rate: 0.78%

-- Flow 1:

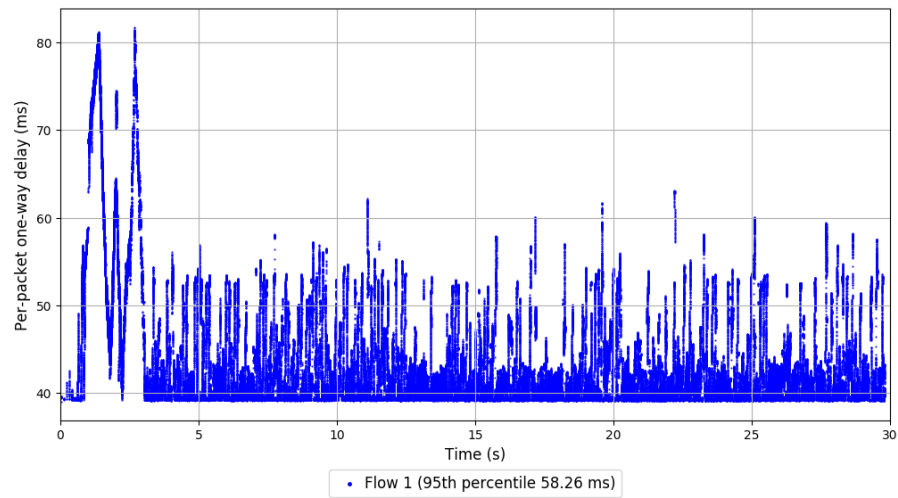
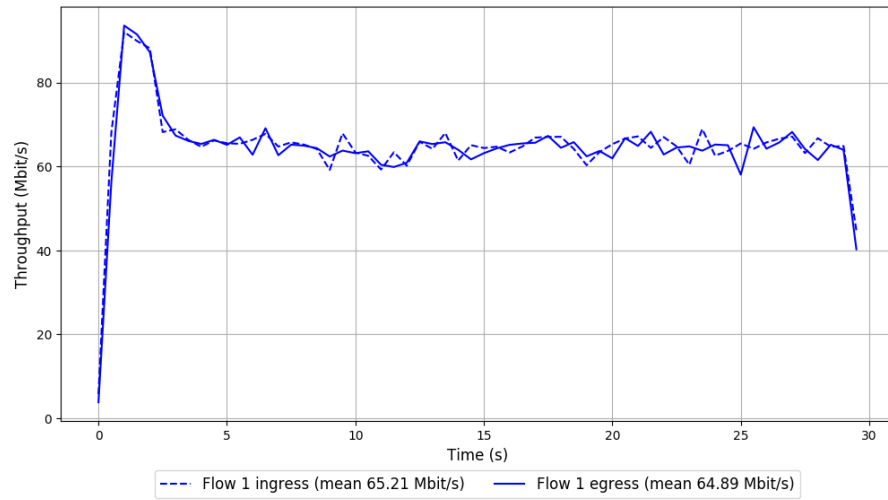
Average throughput: 64.89 Mbit/s

95th percentile per-packet one-way delay: 58.262 ms

Loss rate: 0.78%



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



Run 6: Statistics of Indigo-calib

Start at: 2017-09-21 20:58:09

End at: 2017-09-21 20:58:39

Local clock offset: -2.536 ms

Remote clock offset: 0.252 ms

# Below is generated by plot.py at 2017-09-21 22:39:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 39.92 Mbit/s

95th percentile per-packet one-way delay: 68.823 ms

Loss rate: 2.17%

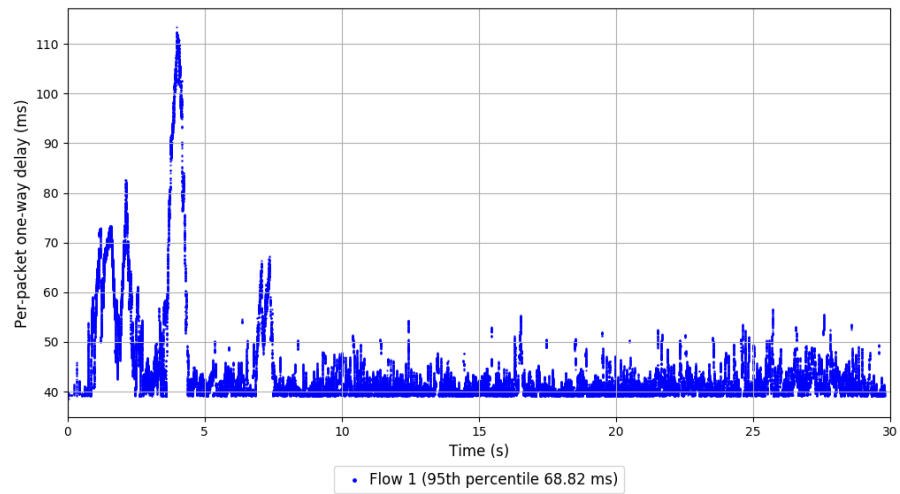
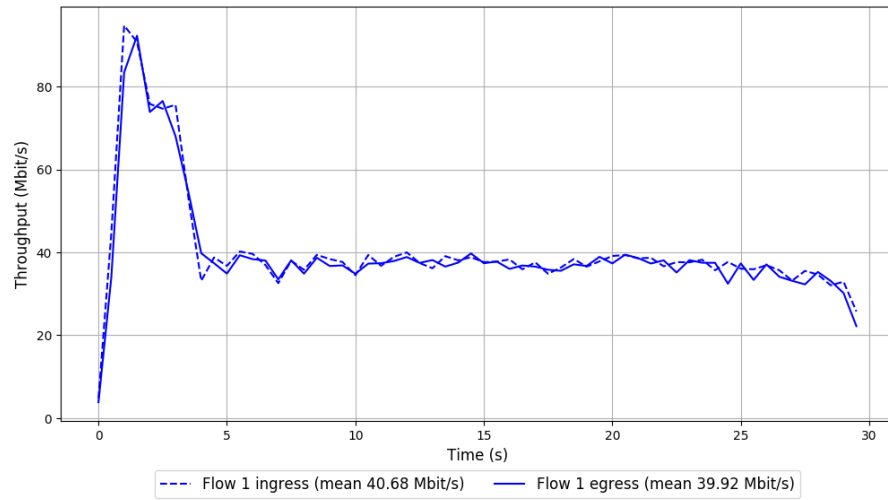
-- Flow 1:

Average throughput: 39.92 Mbit/s

95th percentile per-packet one-way delay: 68.823 ms

Loss rate: 2.17%

## Run 6: Report of Indigo-calib — Data Link

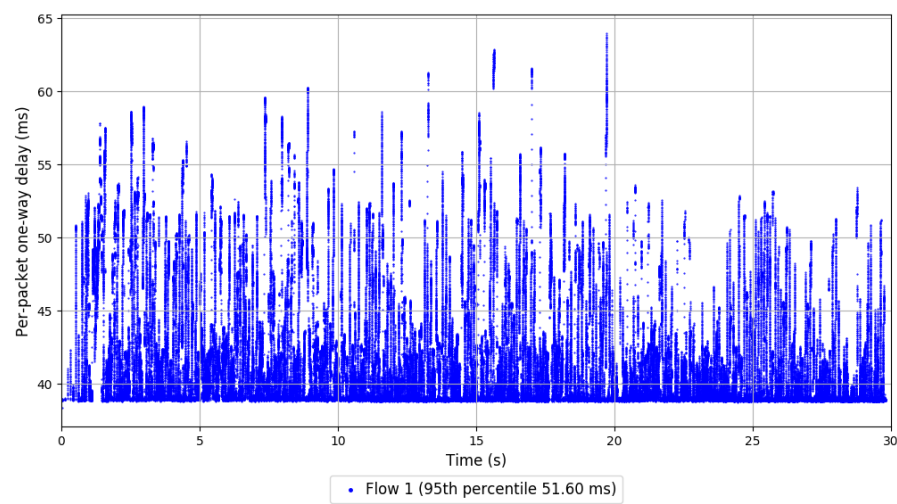
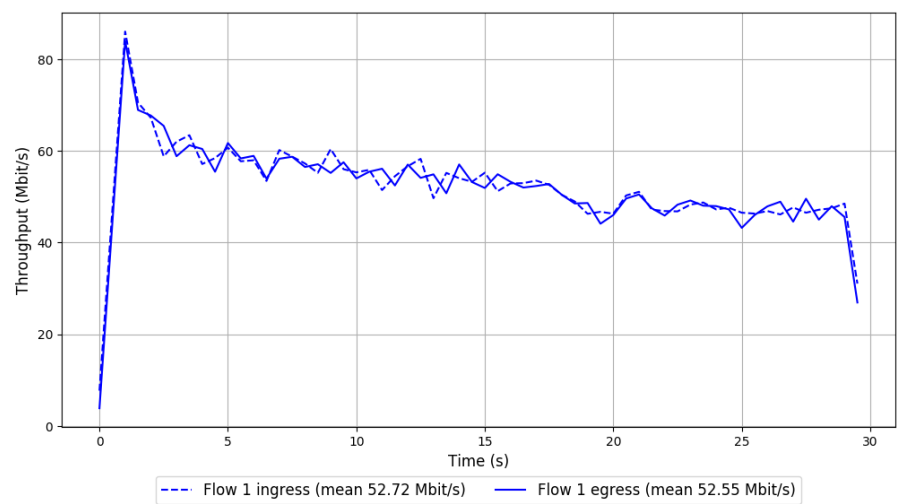


Run 7: Statistics of Indigo-calib

Start at: 2017-09-21 21:17:28  
End at: 2017-09-21 21:17:58  
Local clock offset: -1.83 ms  
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2017-09-21 22:39:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 52.55 Mbit/s  
95th percentile per-packet one-way delay: 51.598 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 52.55 Mbit/s  
95th percentile per-packet one-way delay: 51.598 ms  
Loss rate: 0.62%

Run 7: Report of Indigo-calib — Data Link

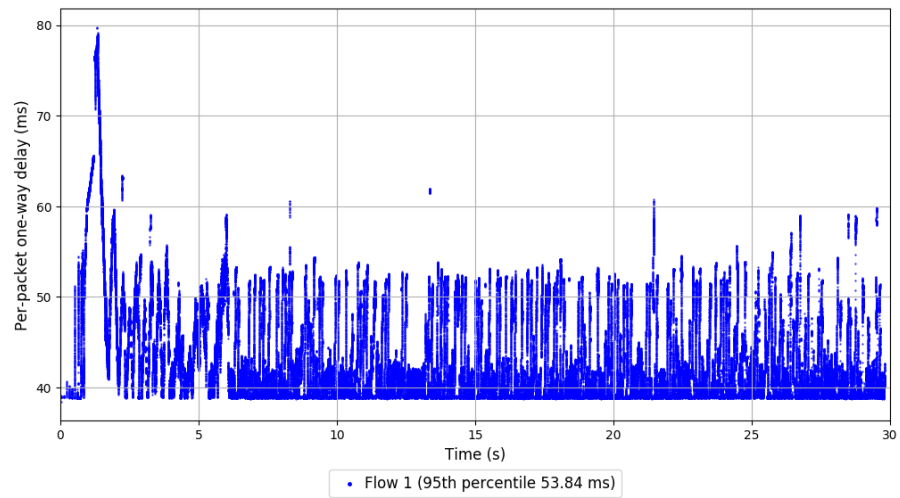
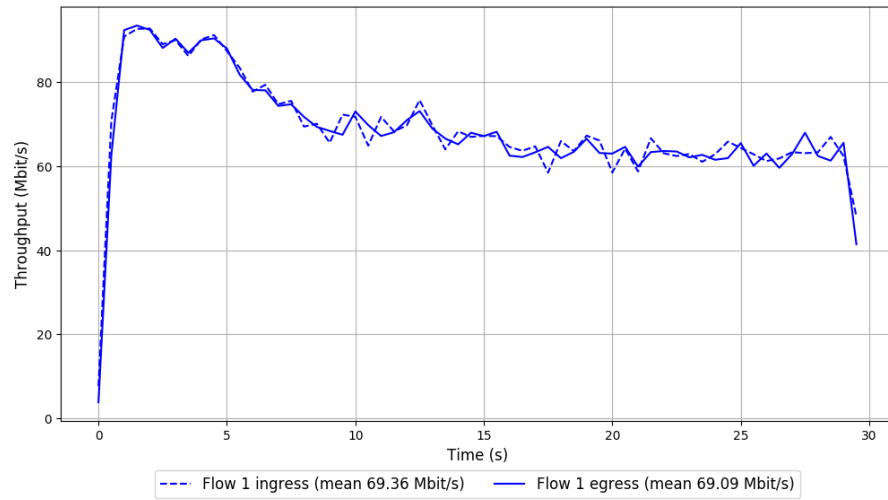


Run 8: Statistics of Indigo-calib

Start at: 2017-09-21 21:36:52  
End at: 2017-09-21 21:37:22  
Local clock offset: -1.127 ms  
Remote clock offset: -0.209 ms

# Below is generated by plot.py at 2017-09-21 22:39:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 69.09 Mbit/s  
95th percentile per-packet one-way delay: 53.839 ms  
Loss rate: 0.68%  
-- Flow 1:  
Average throughput: 69.09 Mbit/s  
95th percentile per-packet one-way delay: 53.839 ms  
Loss rate: 0.68%

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



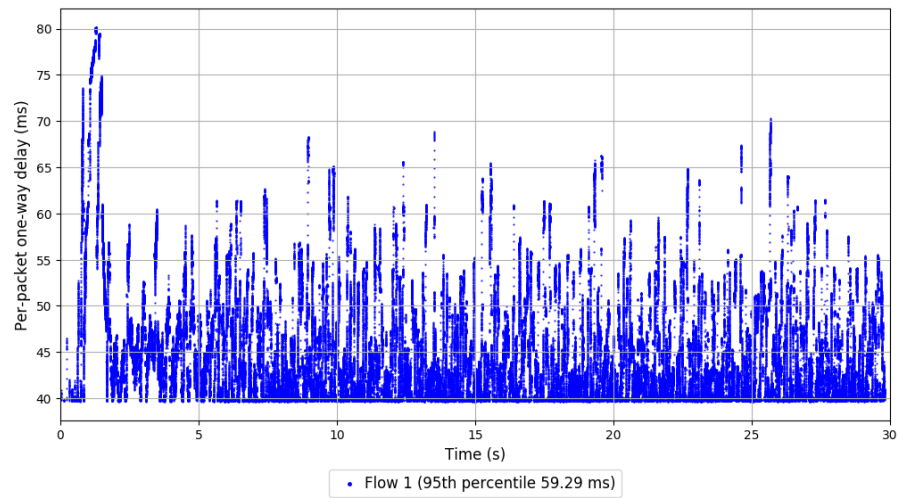
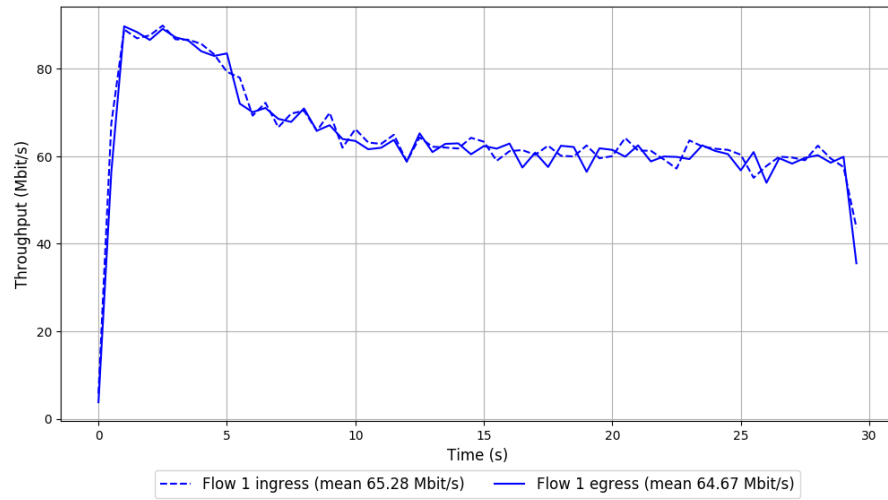
Run 9: Statistics of Indigo-calib

Start at: 2017-09-21 21:57:02  
End at: 2017-09-21 21:57:32  
Local clock offset: 0.369 ms  
Remote clock offset: -0.319 ms

# Below is generated by plot.py at 2017-09-21 22:39:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 64.67 Mbit/s  
95th percentile per-packet one-way delay: 59.287 ms  
Loss rate: 1.22%  
-- Flow 1:  
Average throughput: 64.67 Mbit/s  
95th percentile per-packet one-way delay: 59.287 ms  
Loss rate: 1.22%



### Run 9: Report of Indigo-calib — Data Link



Run 10: Statistics of Indigo-calib

Start at: 2017-09-21 22:17:20

End at: 2017-09-21 22:17:50

Local clock offset: -0.411 ms

Remote clock offset: -0.501 ms

# Below is generated by plot.py at 2017-09-21 22:39:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 65.54 Mbit/s

95th percentile per-packet one-way delay: 54.217 ms

Loss rate: 1.22%

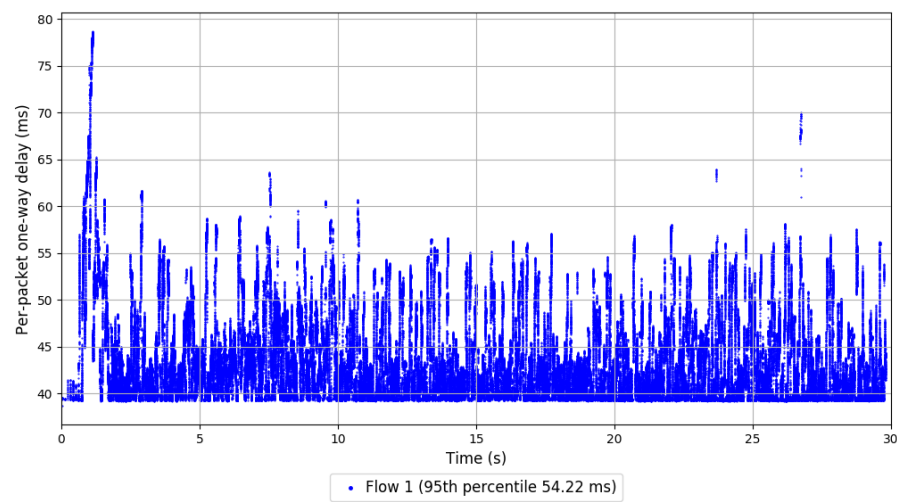
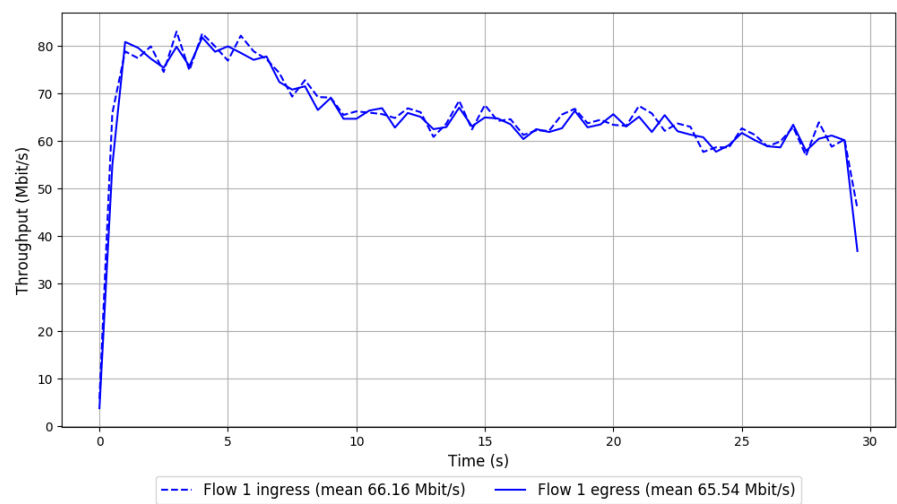
-- Flow 1:

Average throughput: 65.54 Mbit/s

95th percentile per-packet one-way delay: 54.217 ms

Loss rate: 1.22%

Run 10: Report of Indigo-calib — Data Link

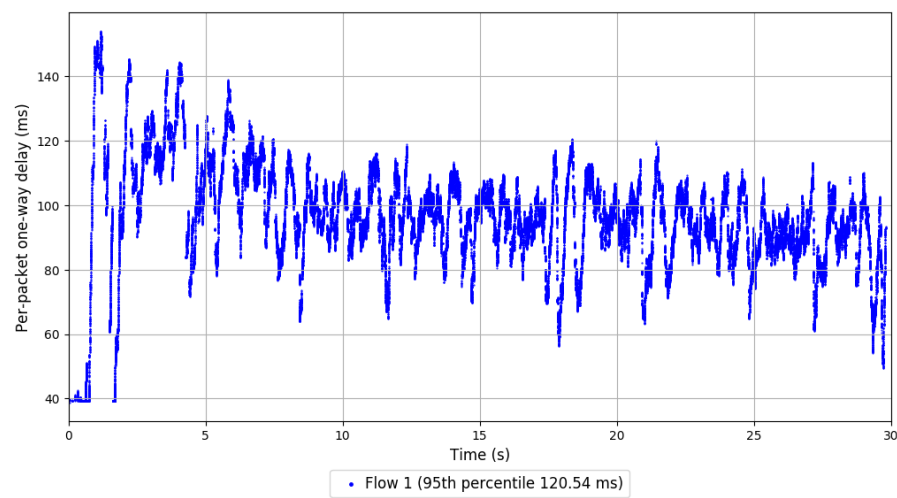
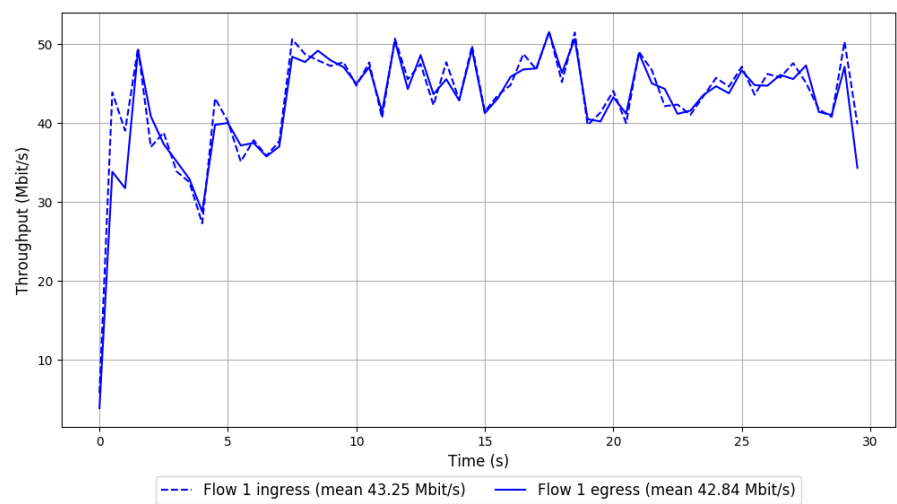


```
Run 1: Statistics of Indigo-delay

Start at: 2017-09-21 19:26:02
End at: 2017-09-21 19:26:32
Local clock offset: -4.016 ms
Remote clock offset: -0.184 ms

# Below is generated by plot.py at 2017-09-21 22:39:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.84 Mbit/s
95th percentile per-packet one-way delay: 120.538 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 42.84 Mbit/s
95th percentile per-packet one-way delay: 120.538 ms
Loss rate: 1.23%
```

Run 1: Report of Indigo-delay — Data Link

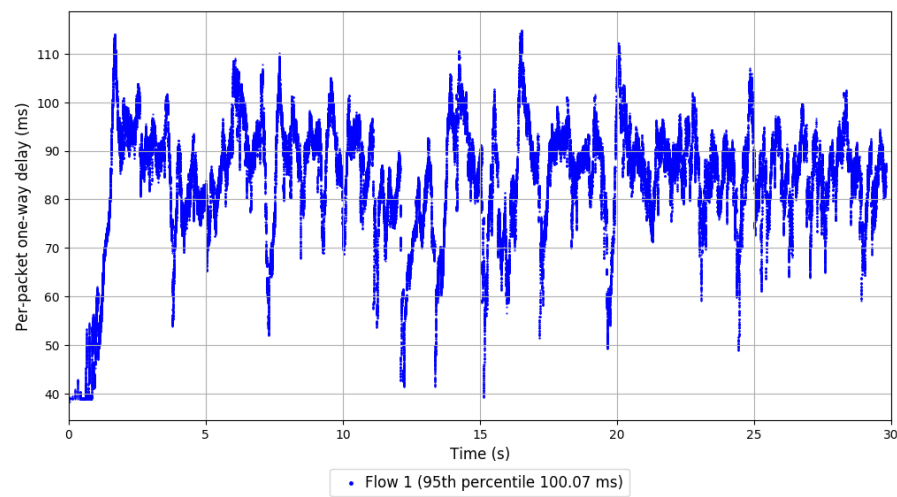
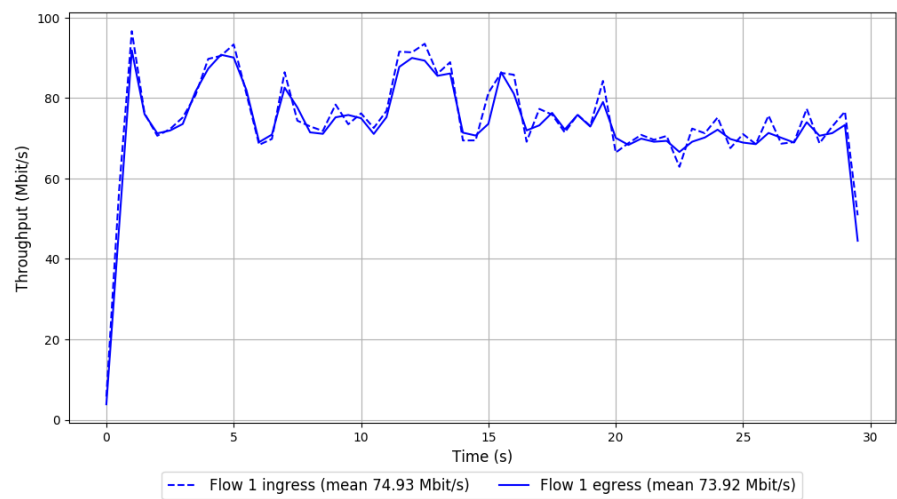


```
Run 2: Statistics of Indigo-delay

Start at: 2017-09-21 19:45:27
End at: 2017-09-21 19:45:57
Local clock offset: -4.294 ms
Remote clock offset: 0.069 ms

# Below is generated by plot.py at 2017-09-21 22:39:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.92 Mbit/s
95th percentile per-packet one-way delay: 100.074 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 73.92 Mbit/s
95th percentile per-packet one-way delay: 100.074 ms
Loss rate: 1.63%
```

Run 2: Report of Indigo-delay — Data Link



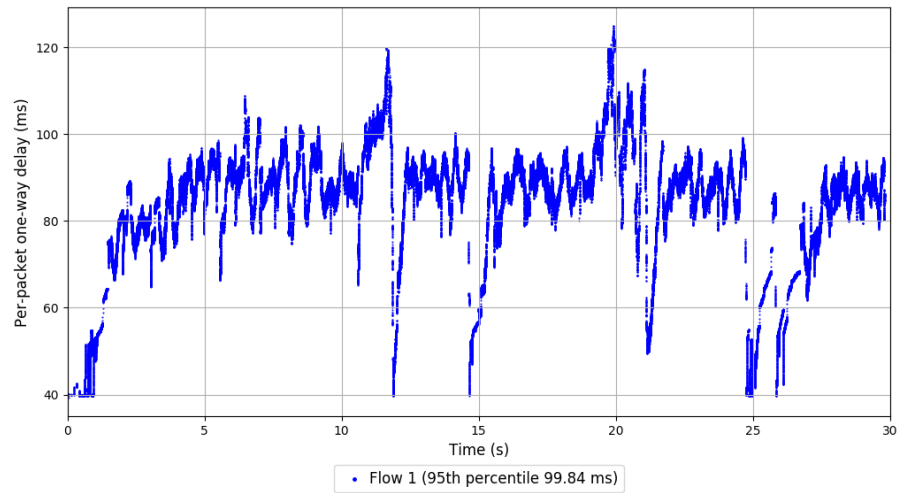
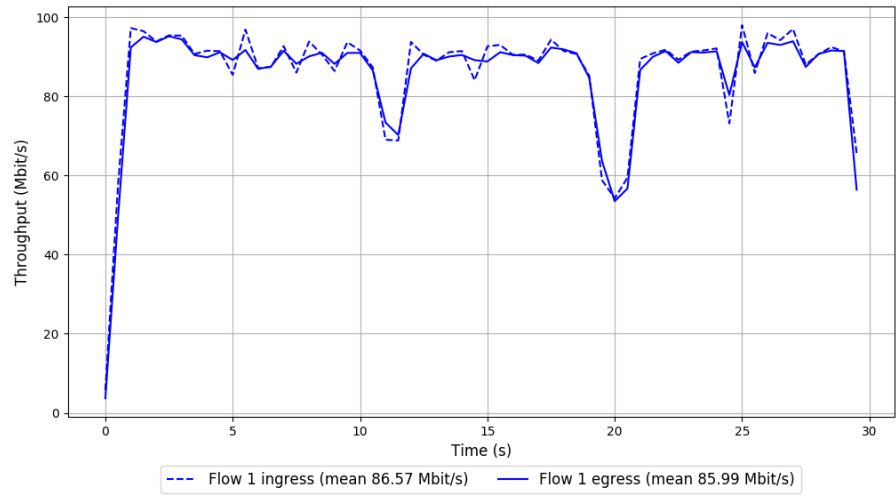
```
Run 3: Statistics of Indigo-delay

Start at: 2017-09-21 20:04:45
End at: 2017-09-21 20:05:15
Local clock offset: -3.043 ms
Remote clock offset: 0.16 ms

# Below is generated by plot.py at 2017-09-21 22:40:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 99.841 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 85.99 Mbit/s
95th percentile per-packet one-way delay: 99.841 ms
Loss rate: 0.96%
```



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



Run 4: Statistics of Indigo-delay

Start at: 2017-09-21 20:23:40

End at: 2017-09-21 20:24:10

Local clock offset: -3.871 ms

Remote clock offset: 0.274 ms

# Below is generated by plot.py at 2017-09-21 22:40:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.58 Mbit/s

95th percentile per-packet one-way delay: 72.210 ms

Loss rate: 1.13%

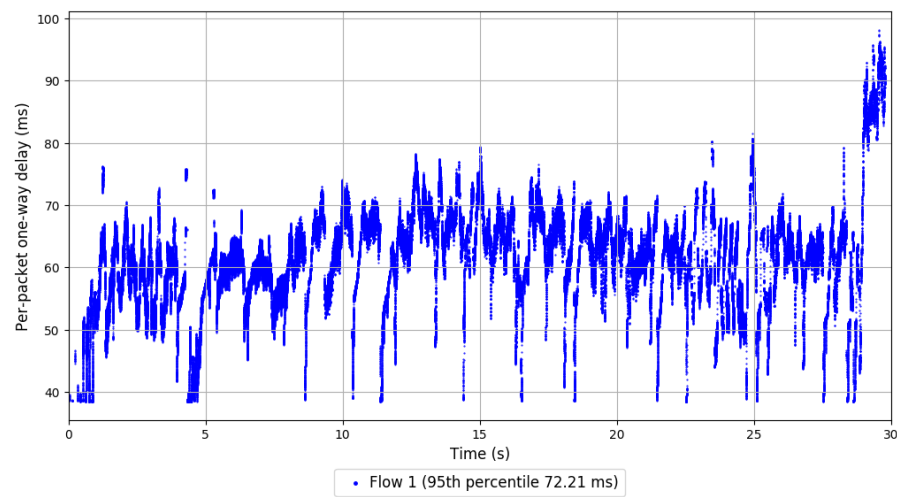
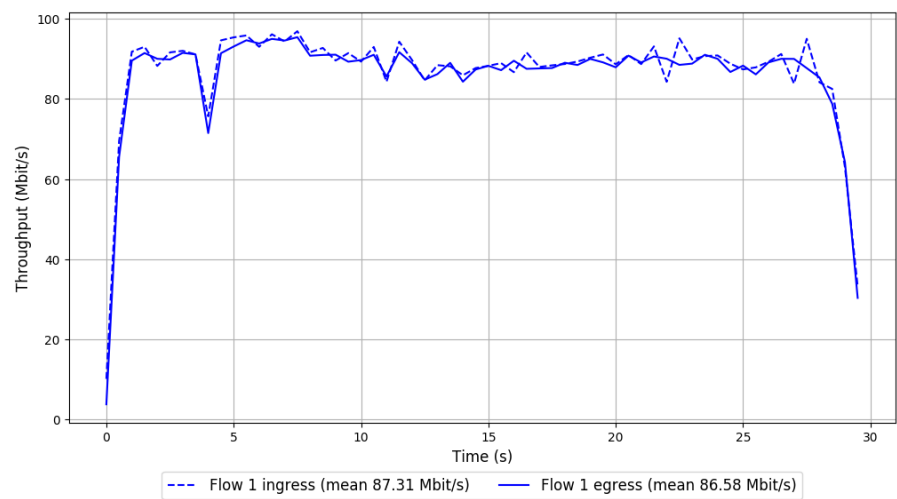
-- Flow 1:

Average throughput: 86.58 Mbit/s

95th percentile per-packet one-way delay: 72.210 ms

Loss rate: 1.13%

Run 4: Report of Indigo-delay — Data Link



Run 5: Statistics of Indigo-delay

Start at: 2017-09-21 20:43:12

End at: 2017-09-21 20:43:42

Local clock offset: -3.161 ms

Remote clock offset: 0.325 ms

# Below is generated by plot.py at 2017-09-21 22:40:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.34 Mbit/s

95th percentile per-packet one-way delay: 90.219 ms

Loss rate: 1.96%

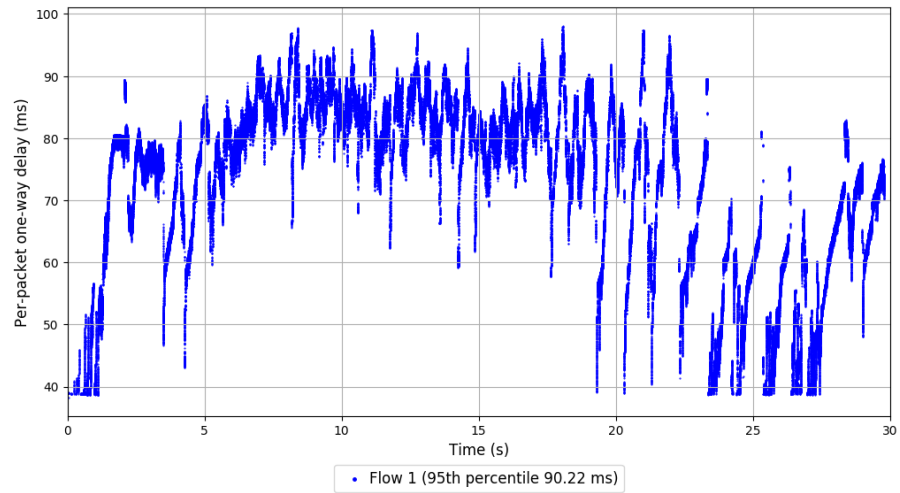
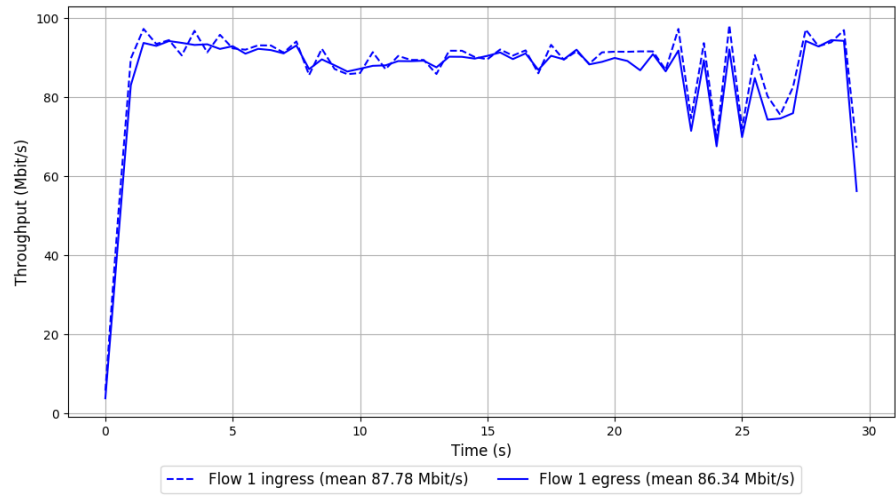
-- Flow 1:

Average throughput: 86.34 Mbit/s

95th percentile per-packet one-way delay: 90.219 ms

Loss rate: 1.96%

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

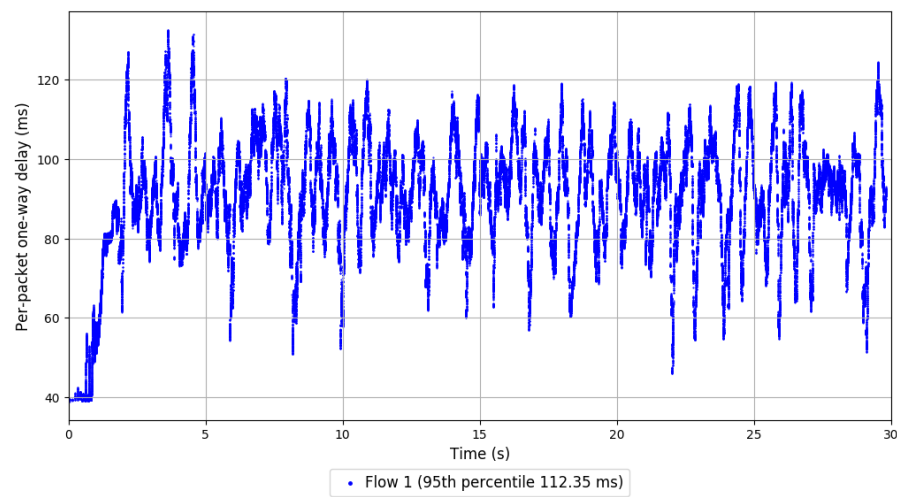
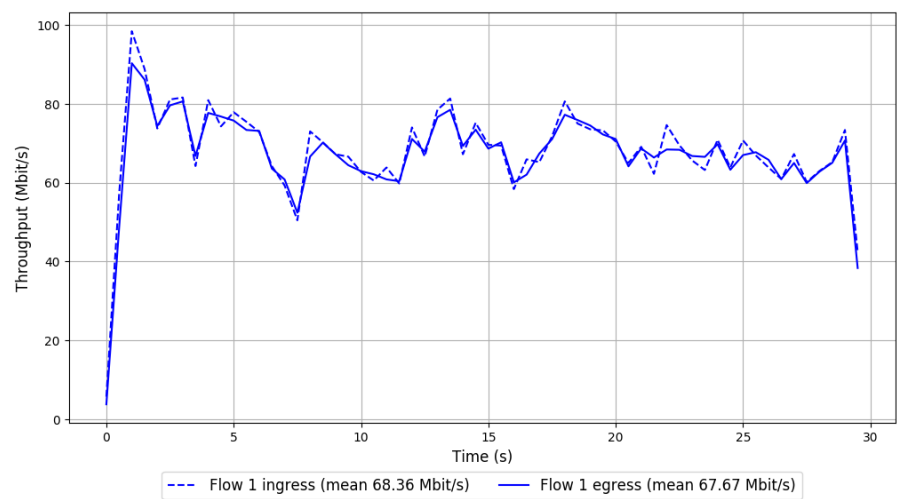


Run 6: Statistics of Indigo-delay

Start at: 2017-09-21 21:02:46  
End at: 2017-09-21 21:03:16  
Local clock offset: -2.281 ms  
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2017-09-21 22:40:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 67.67 Mbit/s  
95th percentile per-packet one-way delay: 112.347 ms  
Loss rate: 1.29%  
-- Flow 1:  
Average throughput: 67.67 Mbit/s  
95th percentile per-packet one-way delay: 112.347 ms  
Loss rate: 1.29%

Run 6: Report of Indigo-delay — Data Link



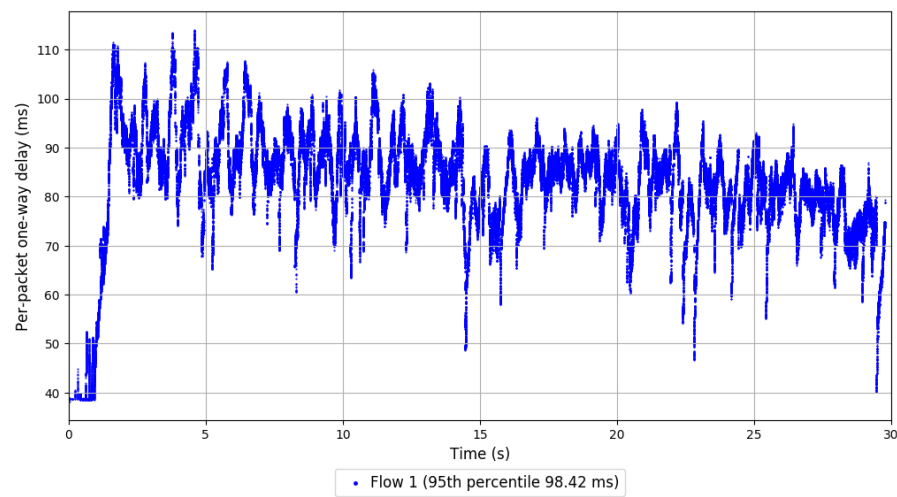
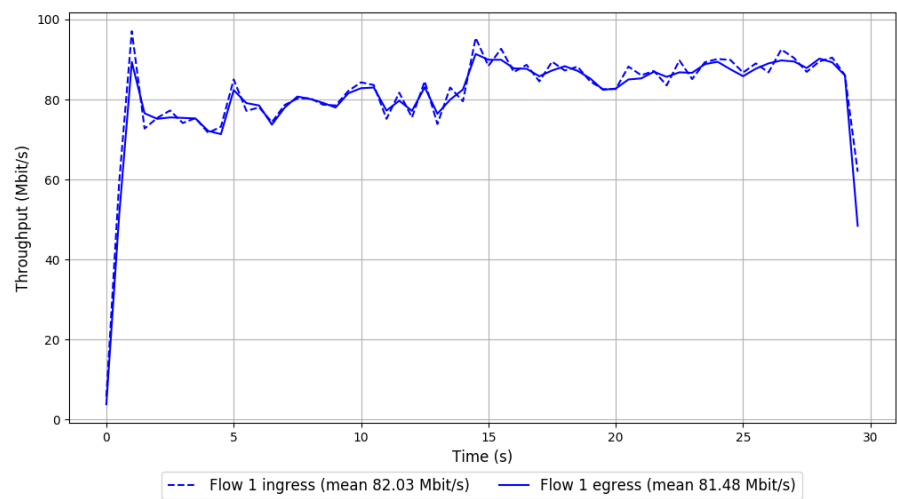
Run 7: Statistics of Indigo-delay

Start at: 2017-09-21 21:21:47  
End at: 2017-09-21 21:22:17  
Local clock offset: -1.513 ms  
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2017-09-21 22:40:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.48 Mbit/s  
95th percentile per-packet one-way delay: 98.421 ms  
Loss rate: 0.95%  
-- Flow 1:  
Average throughput: 81.48 Mbit/s  
95th percentile per-packet one-way delay: 98.421 ms  
Loss rate: 0.95%



Run 7: Report of Indigo-delay — Data Link

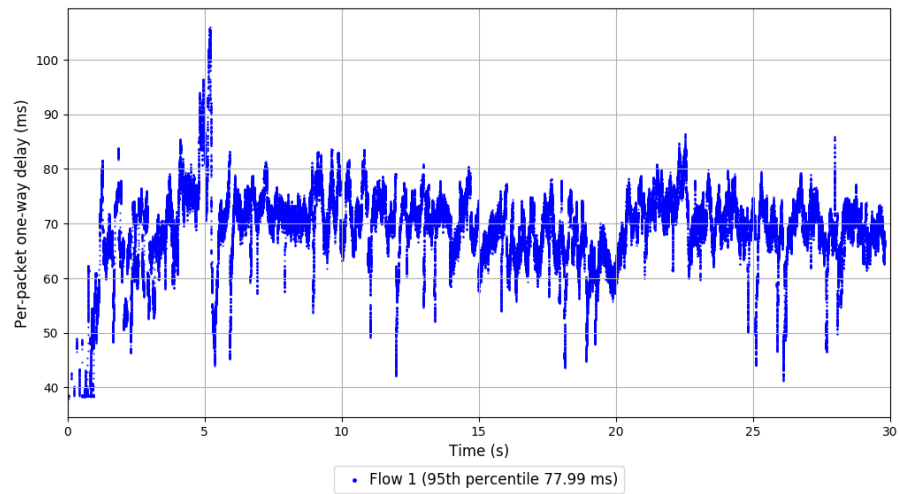
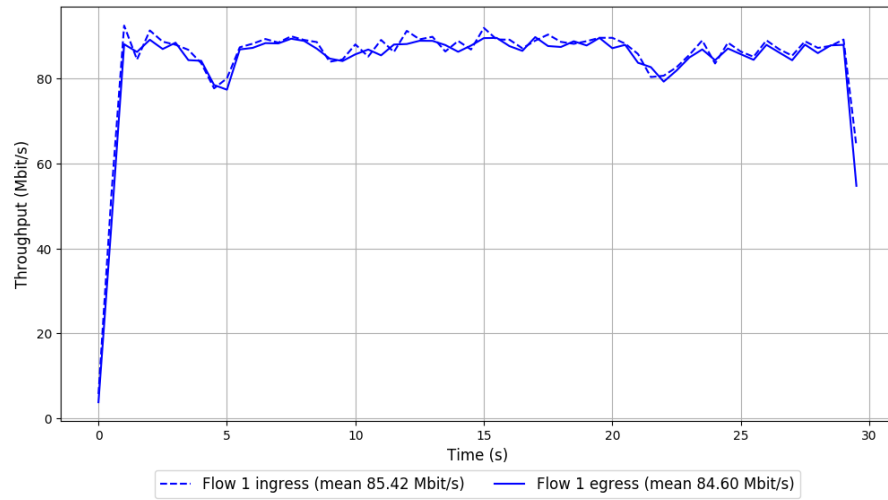


Run 8: Statistics of Indigo-delay

Start at: 2017-09-21 21:41:40  
End at: 2017-09-21 21:42:10  
Local clock offset: -1.158 ms  
Remote clock offset: -0.177 ms

# Below is generated by plot.py at 2017-09-21 22:40:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.60 Mbit/s  
95th percentile per-packet one-way delay: 77.987 ms  
Loss rate: 1.23%  
-- Flow 1:  
Average throughput: 84.60 Mbit/s  
95th percentile per-packet one-way delay: 77.987 ms  
Loss rate: 1.23%

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

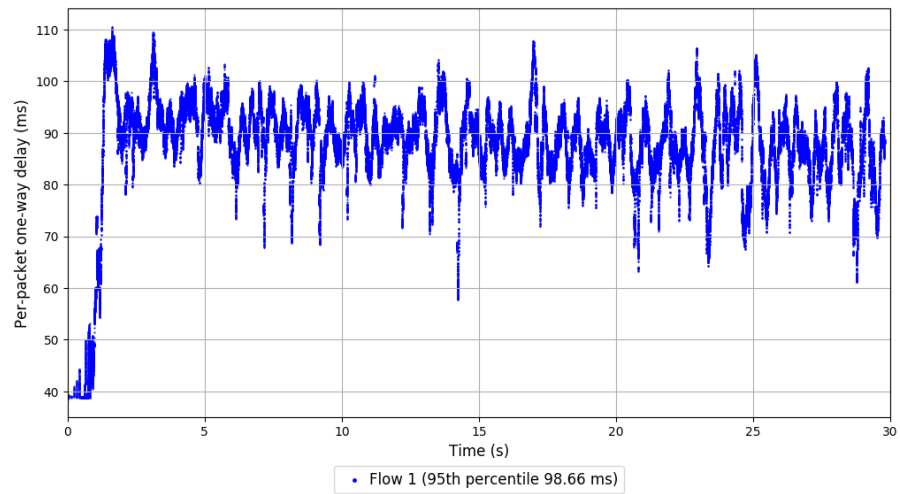
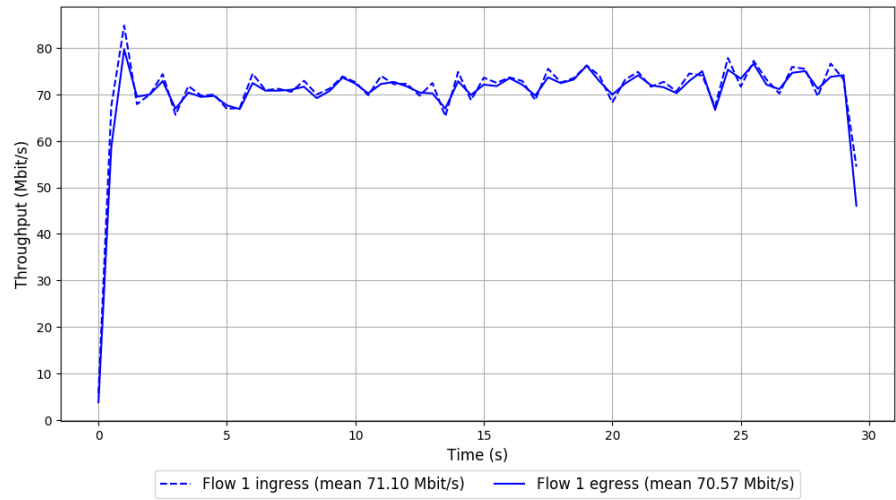


Run 9: Statistics of Indigo-delay

Start at: 2017-09-21 22:01:57  
End at: 2017-09-21 22:02:27  
Local clock offset: -0.804 ms  
Remote clock offset: -0.323 ms

# Below is generated by plot.py at 2017-09-21 22:40:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.57 Mbit/s  
95th percentile per-packet one-way delay: 98.661 ms  
Loss rate: 1.03%  
-- Flow 1:  
Average throughput: 70.57 Mbit/s  
95th percentile per-packet one-way delay: 98.661 ms  
Loss rate: 1.03%

### Run 9: Report of Indigo-delay — Data Link



Run 10: Statistics of Indigo-delay

Start at: 2017-09-21 22:22:48

End at: 2017-09-21 22:23:18

Local clock offset: -0.459 ms

Remote clock offset: -0.464 ms

# Below is generated by plot.py at 2017-09-21 22:40:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.82 Mbit/s

95th percentile per-packet one-way delay: 90.825 ms

Loss rate: 1.83%

-- Flow 1:

Average throughput: 83.82 Mbit/s

95th percentile per-packet one-way delay: 90.825 ms

Loss rate: 1.83%

Run 10: Report of Indigo-delay — Data Link

