

## Pantheon Report

Generated at 2017-08-22 01:08:40 (UTC).

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

Repeated the test of 15 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

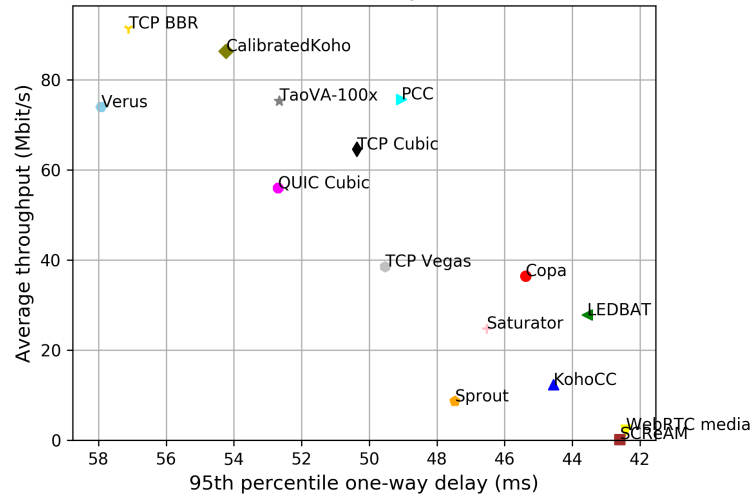
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

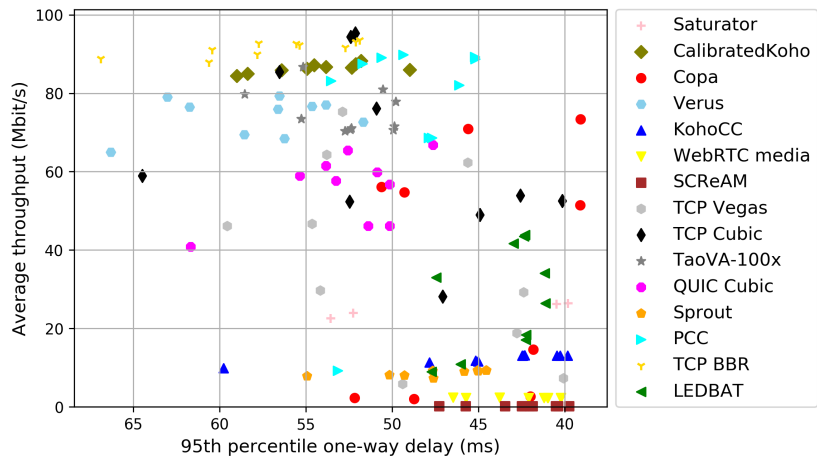
Git summary:

```
branch: master @ e43be7582298d552838afcf6382342bf187fbbd6
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
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-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webRTC @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	91.39	57.12	0.46
CalibratedKoho	10	86.37	54.23	0.47
Copa	9	36.47	45.38	0.34
TCP Cubic	10	64.62	50.37	0.39
KohoCC	10	12.32	44.56	0.39
LEDBAT	10	27.79	43.56	0.51
PCC	10	75.62	49.05	0.42
QUIC Cubic	10	56.02	52.69	0.47
Saturator	4	24.78	46.53	0.39
SCReAM	10	0.22	42.60	0.33
Sprout	10	8.68	47.47	0.36
TaoVA-100x	10	75.33	52.66	0.45
TCP Vegas	10	38.57	49.53	0.35
Verus	10	73.99	57.92	0.51
WebRTC media	9	2.30	42.41	0.42

Run 1: Statistics of TCP BBR

Start at: 2017-08-21 17:51:23

End at: 2017-08-21 17:51:53

Local clock offset: 0.517 ms

Remote clock offset: 0.068 ms

# Below is generated by plot.py at 2017-08-22 00:59:44

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.93 Mbit/s

95th percentile per-packet one-way delay: 57.819 ms

Loss rate: 0.59%

-- Flow 1:

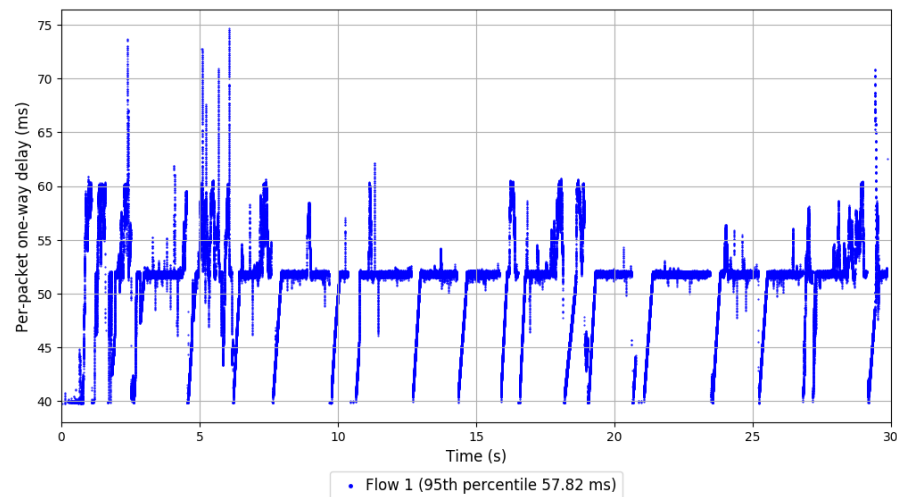
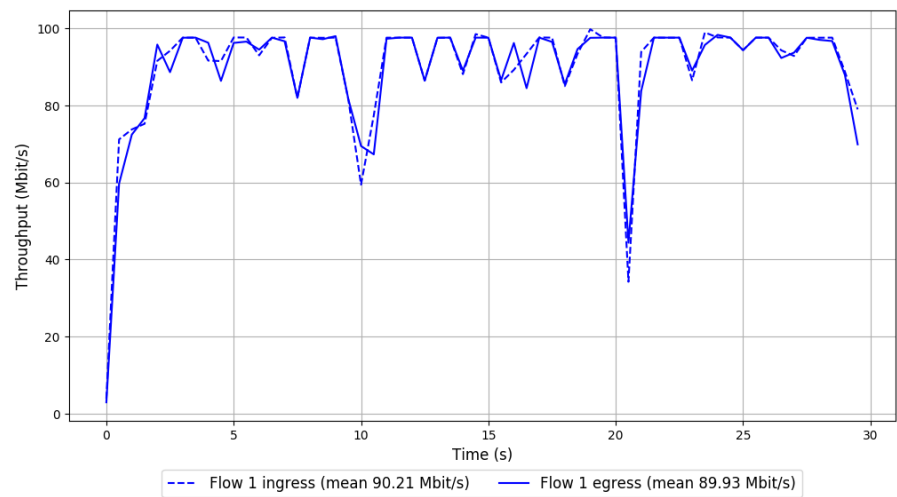
Average throughput: 89.93 Mbit/s

95th percentile per-packet one-way delay: 57.819 ms

Loss rate: 0.59%



Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2017-08-21 18:12:22

End at: 2017-08-21 18:12:52

Local clock offset: 0.326 ms

Remote clock offset: -8.739 ms

# Below is generated by plot.py at 2017-08-22 00:59:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.86 Mbit/s

95th percentile per-packet one-way delay: 66.878 ms

Loss rate: 0.60%

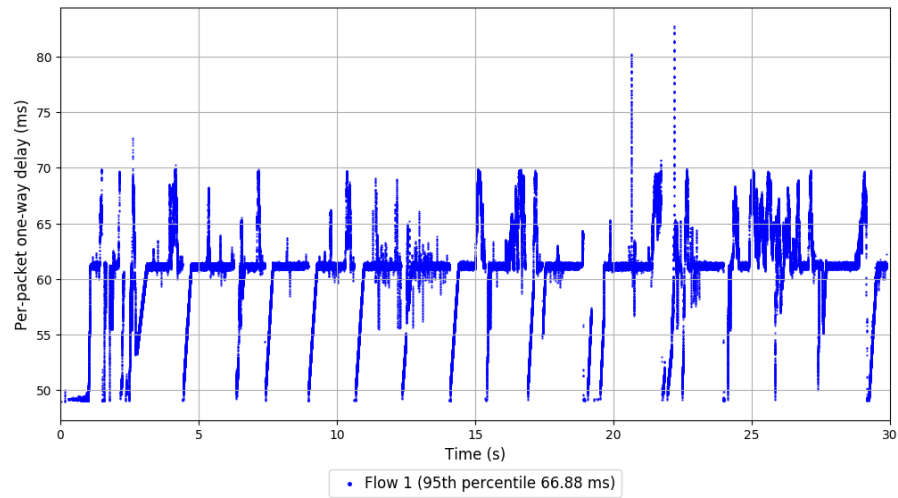
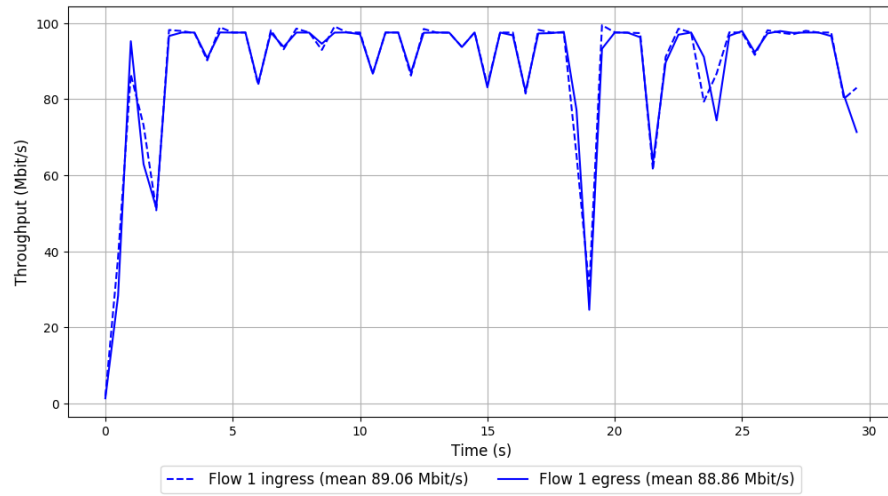
-- Flow 1:

Average throughput: 88.86 Mbit/s

95th percentile per-packet one-way delay: 66.878 ms

Loss rate: 0.60%

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



Run 3: Statistics of TCP BBR

Start at: 2017-08-21 18:32:35

End at: 2017-08-21 18:33:05

Local clock offset: 0.441 ms

Remote clock offset: -3.634 ms

# Below is generated by plot.py at 2017-08-22 00:59:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.88 Mbit/s

95th percentile per-packet one-way delay: 60.626 ms

Loss rate: 0.59%

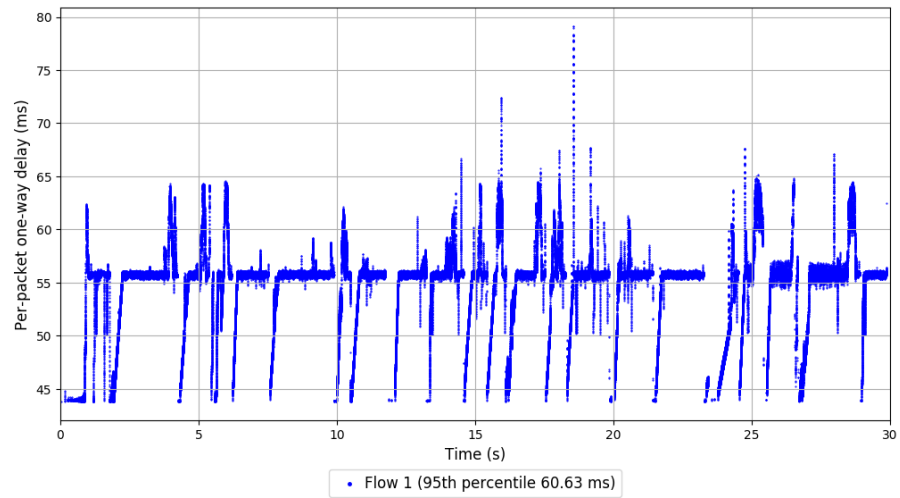
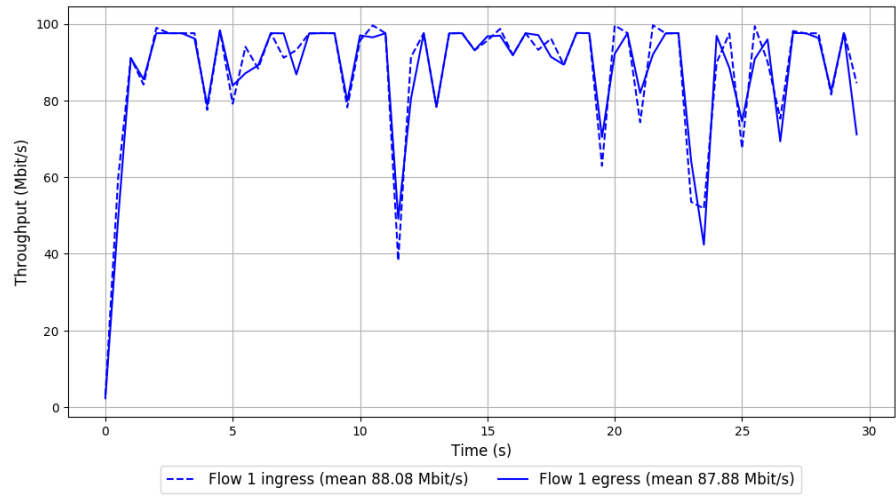
-- Flow 1:

Average throughput: 87.88 Mbit/s

95th percentile per-packet one-way delay: 60.626 ms

Loss rate: 0.59%

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



Run 4: Statistics of TCP BBR

Start at: 2017-08-21 18:52:40

End at: 2017-08-21 18:53:10

Local clock offset: 0.328 ms

Remote clock offset: 1.572 ms

# Below is generated by plot.py at 2017-08-22 00:59:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.67 Mbit/s

95th percentile per-packet one-way delay: 55.566 ms

Loss rate: 0.45%

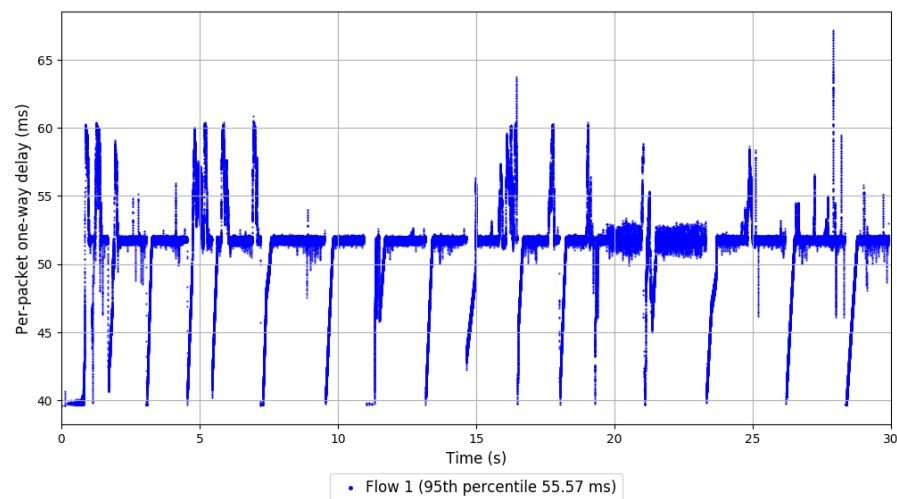
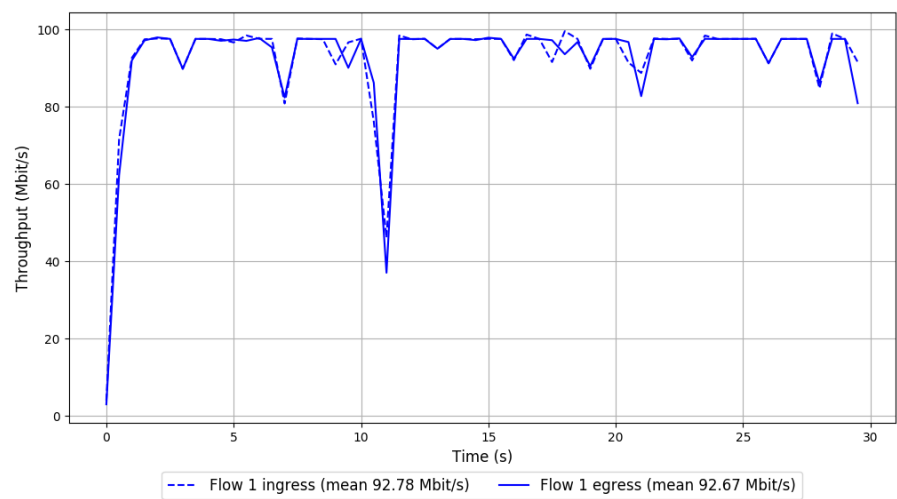
-- Flow 1:

Average throughput: 92.67 Mbit/s

95th percentile per-packet one-way delay: 55.566 ms

Loss rate: 0.45%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: 2017-08-21 19:13:30

End at: 2017-08-21 19:14:00

Local clock offset: 0.35 ms

Remote clock offset: 1.156 ms

# Below is generated by plot.py at 2017-08-22 01:00:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.60 Mbit/s

95th percentile per-packet one-way delay: 51.892 ms

Loss rate: 0.40%

-- Flow 1:

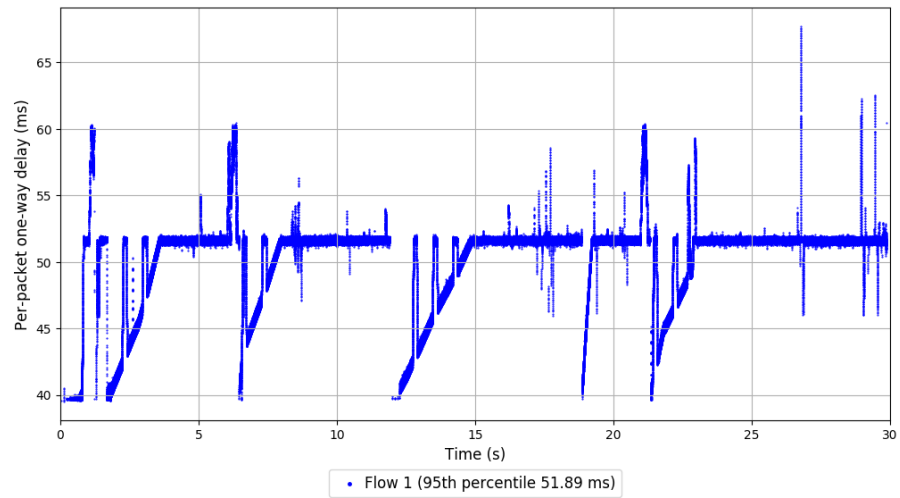
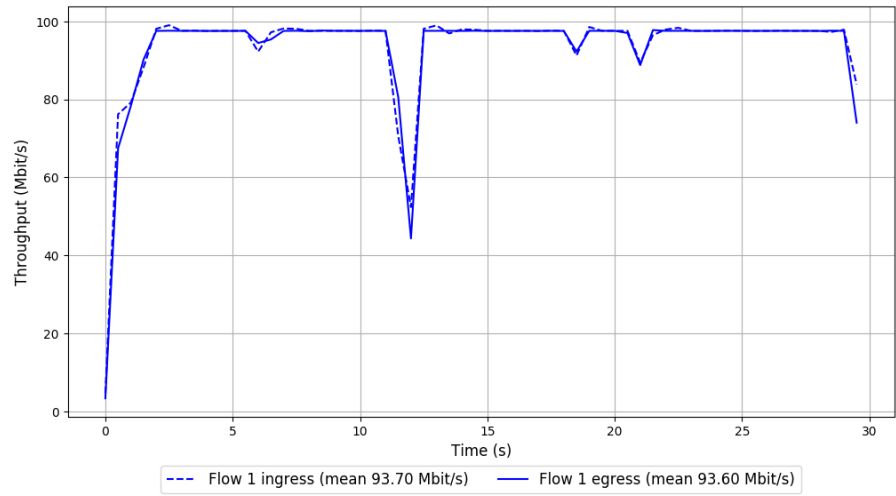
Average throughput: 93.60 Mbit/s

95th percentile per-packet one-way delay: 51.892 ms

Loss rate: 0.40%



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



Run 6: Statistics of TCP BBR

Start at: 2017-08-21 19:33:53

End at: 2017-08-21 19:34:23

Local clock offset: 0.26 ms

Remote clock offset: -0.572 ms

# Below is generated by plot.py at 2017-08-22 01:00:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.73 Mbit/s

95th percentile per-packet one-way delay: 57.735 ms

Loss rate: 0.52%

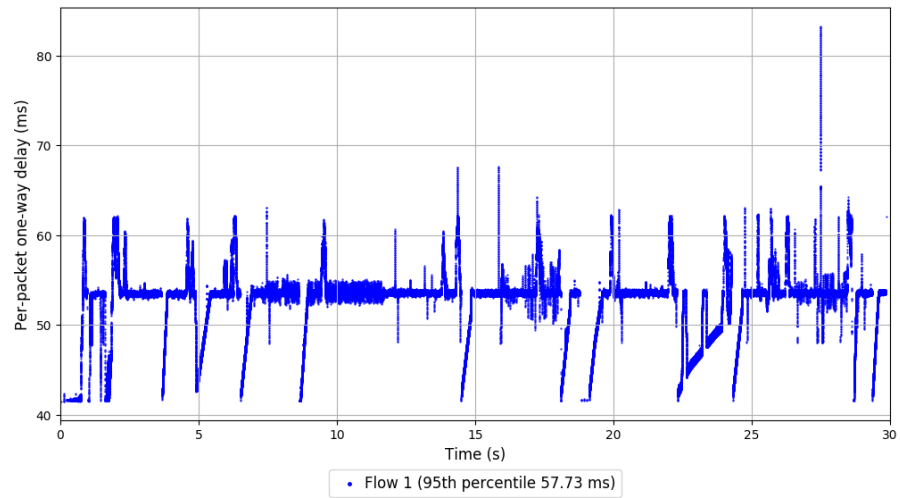
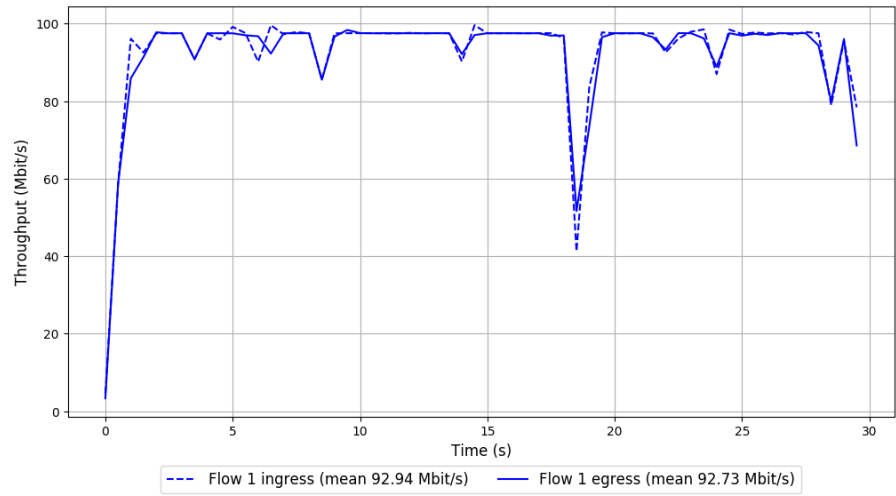
-- Flow 1:

Average throughput: 92.73 Mbit/s

95th percentile per-packet one-way delay: 57.735 ms

Loss rate: 0.52%

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



Run 7: Statistics of TCP BBR

Start at: 2017-08-21 19:54:33

End at: 2017-08-21 19:55:03

Local clock offset: 0.171 ms

Remote clock offset: 1.889 ms

# Below is generated by plot.py at 2017-08-22 01:00:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.64 Mbit/s

95th percentile per-packet one-way delay: 52.719 ms

Loss rate: 0.40%

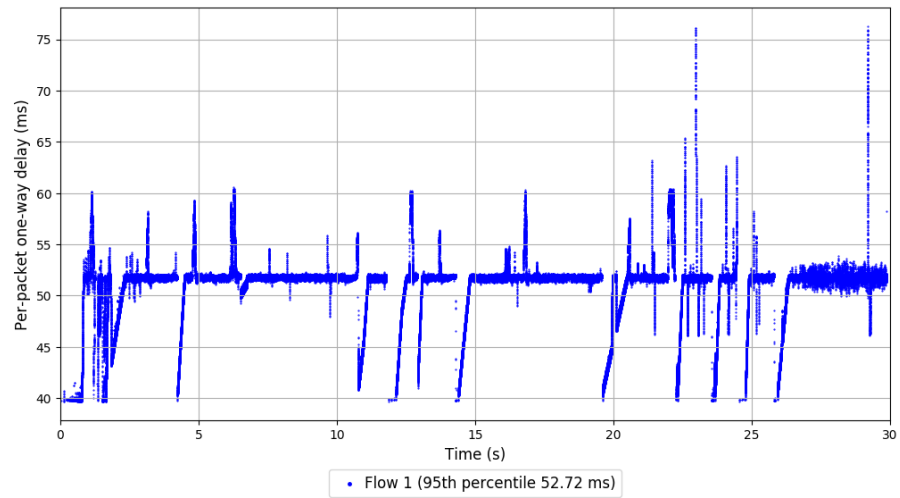
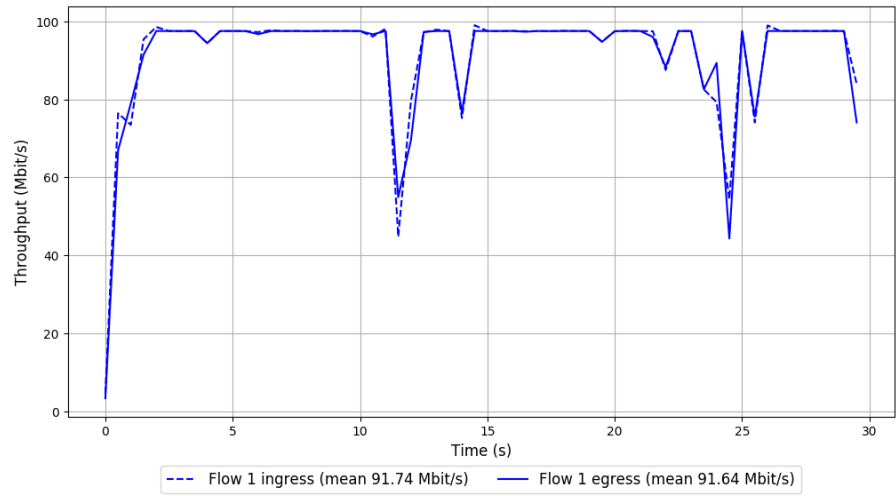
-- Flow 1:

Average throughput: 91.64 Mbit/s

95th percentile per-packet one-way delay: 52.719 ms

Loss rate: 0.40%

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



Run 8: Statistics of TCP BBR

Start at: 2017-08-21 20:14:55

End at: 2017-08-21 20:15:25

Local clock offset: 0.033 ms

Remote clock offset: 1.896 ms

# Below is generated by plot.py at 2017-08-22 01:00:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.33 Mbit/s

95th percentile per-packet one-way delay: 55.371 ms

Loss rate: 0.43%

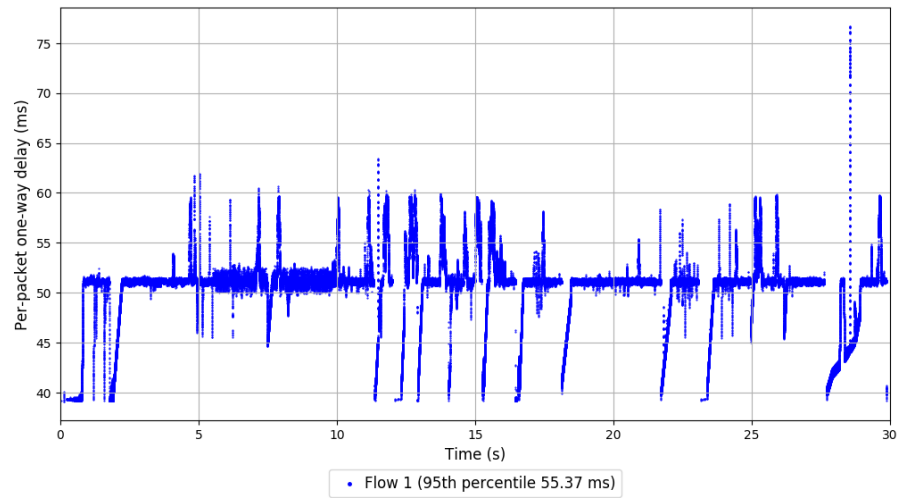
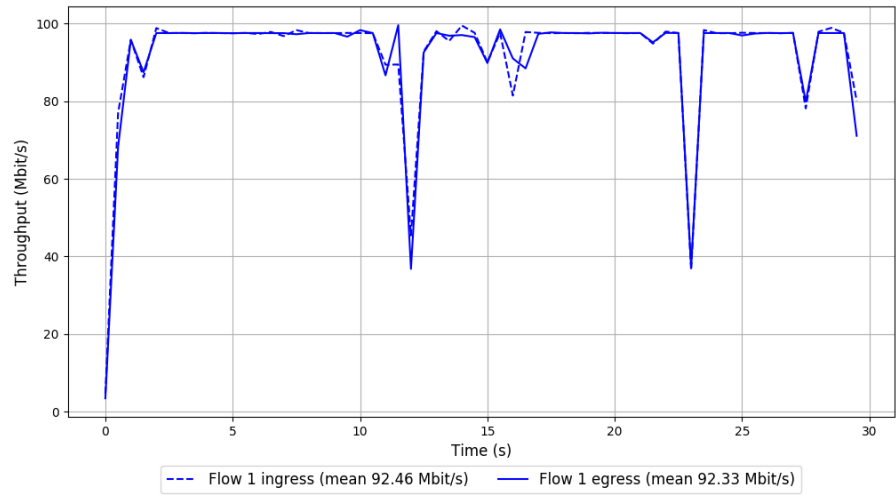
-- Flow 1:

Average throughput: 92.33 Mbit/s

95th percentile per-packet one-way delay: 55.371 ms

Loss rate: 0.43%

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



Run 9: Statistics of TCP BBR

Start at: 2017-08-21 20:35:09

End at: 2017-08-21 20:35:39

Local clock offset: -0.104 ms

Remote clock offset: 1.94 ms

# Below is generated by plot.py at 2017-08-22 01:00:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.13 Mbit/s

95th percentile per-packet one-way delay: 52.120 ms

Loss rate: 0.00%

-- Flow 1:

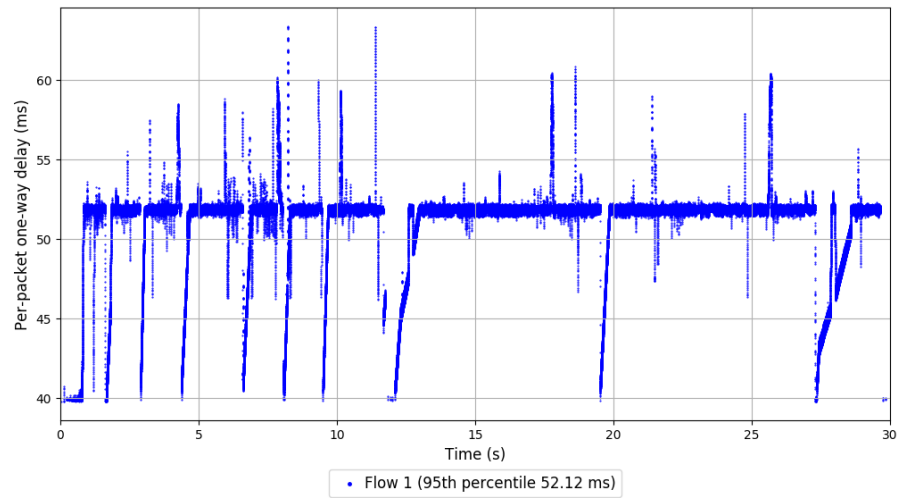
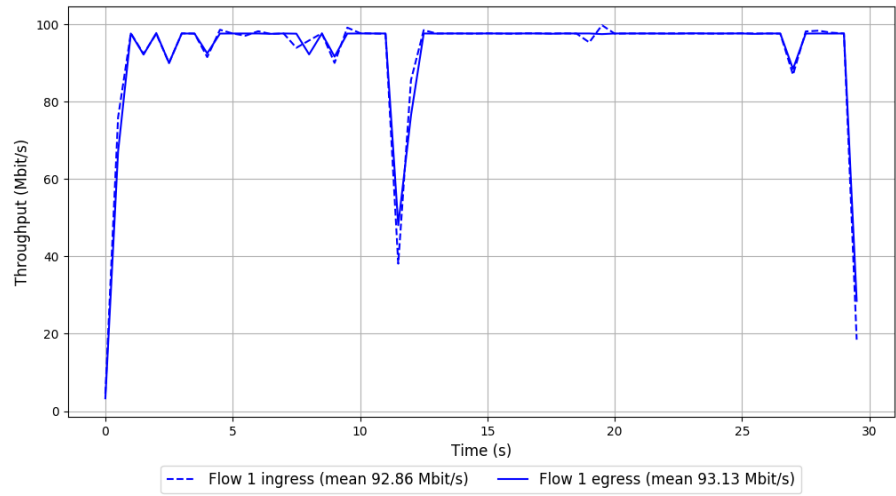
Average throughput: 93.13 Mbit/s

95th percentile per-packet one-way delay: 52.120 ms

Loss rate: 0.00%



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



Run 10: Statistics of TCP BBR

Start at: 2017-08-21 20:55:23

End at: 2017-08-21 20:55:53

Local clock offset: 0.086 ms

Remote clock offset: -3.516 ms

# Below is generated by plot.py at 2017-08-22 01:00:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.14 Mbit/s

95th percentile per-packet one-way delay: 60.426 ms

Loss rate: 0.63%

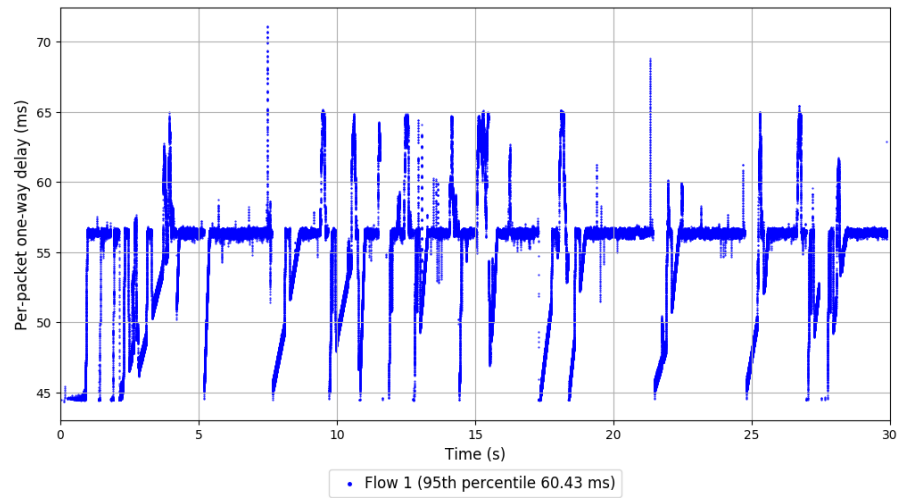
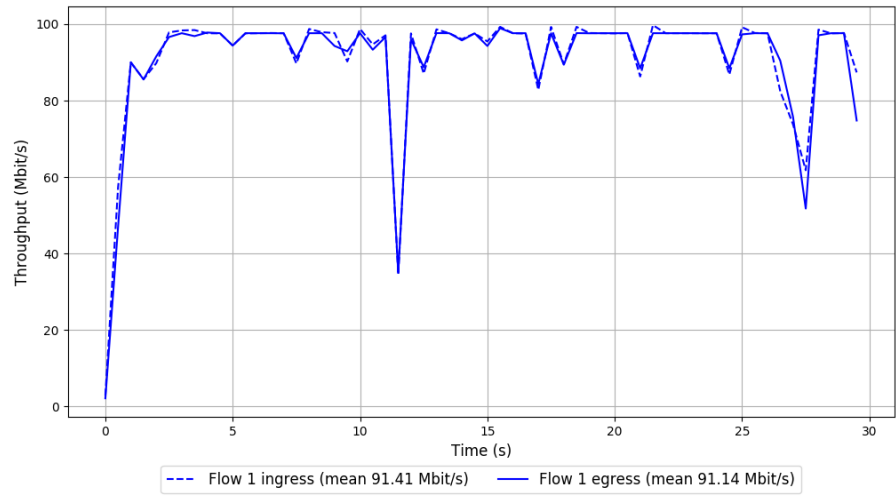
-- Flow 1:

Average throughput: 91.14 Mbit/s

95th percentile per-packet one-way delay: 60.426 ms

Loss rate: 0.63%

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

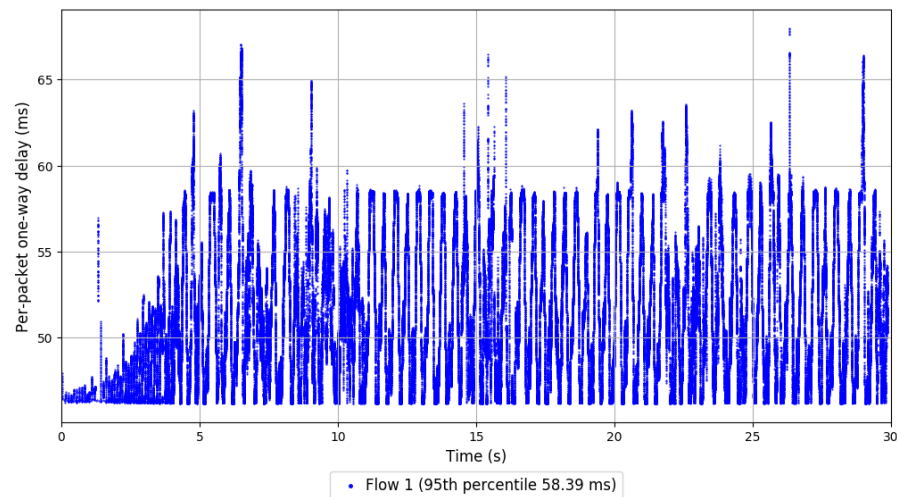
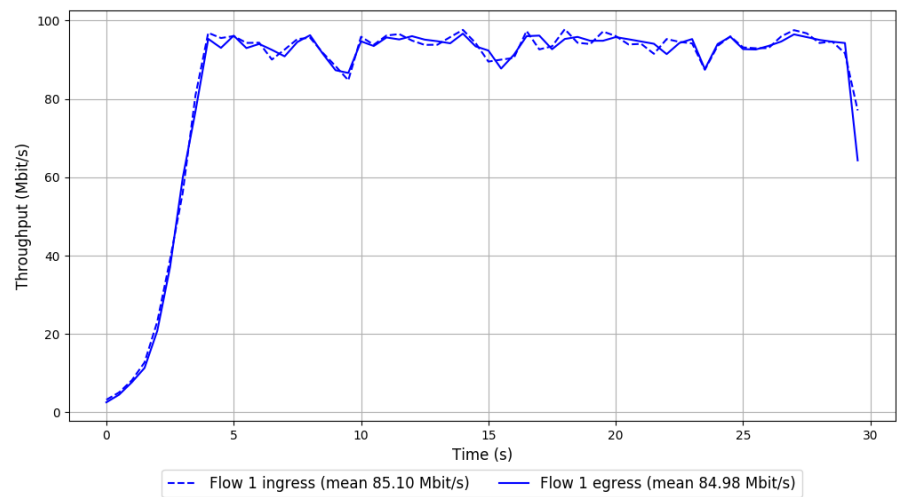


Run 1: Statistics of CalibratedKoho

Start at: 2017-08-21 17:48:37  
End at: 2017-08-21 17:49:07  
Local clock offset: 0.464 ms  
Remote clock offset: -7.167 ms

# Below is generated by plot.py at 2017-08-22 01:00:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.98 Mbit/s  
95th percentile per-packet one-way delay: 58.390 ms  
Loss rate: 0.52%  
-- Flow 1:  
Average throughput: 84.98 Mbit/s  
95th percentile per-packet one-way delay: 58.390 ms  
Loss rate: 0.52%

Run 1: Report of CalibratedKoho — Data Link

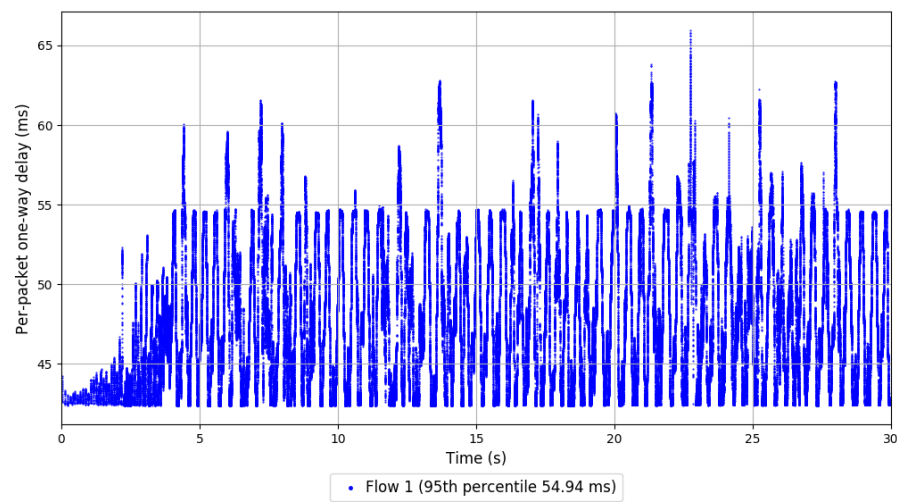
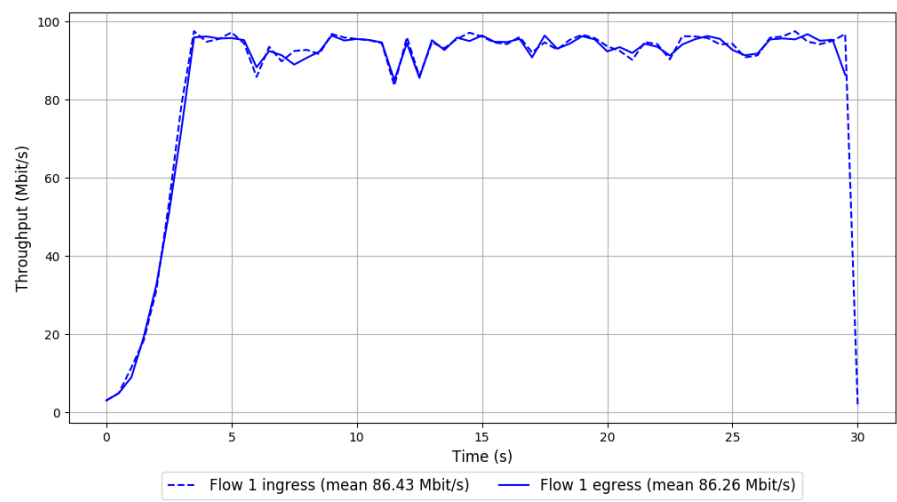


Run 2: Statistics of CalibratedKoho

Start at: 2017-08-21 18:09:37  
End at: 2017-08-21 18:10:07  
Local clock offset: 0.298 ms  
Remote clock offset: -2.957 ms

# Below is generated by plot.py at 2017-08-22 01:00:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.26 Mbit/s  
95th percentile per-packet one-way delay: 54.939 ms  
Loss rate: 0.54%  
-- Flow 1:  
Average throughput: 86.26 Mbit/s  
95th percentile per-packet one-way delay: 54.939 ms  
Loss rate: 0.54%

Run 2: Report of CalibratedKoho — Data Link



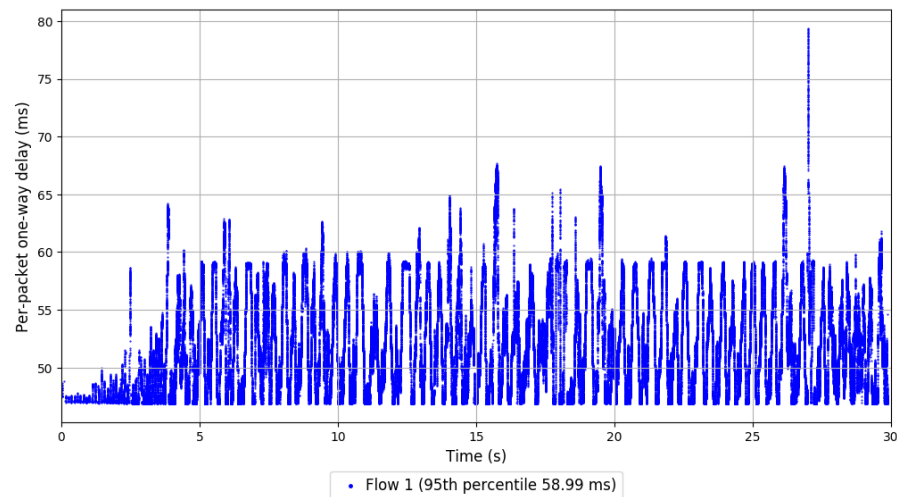
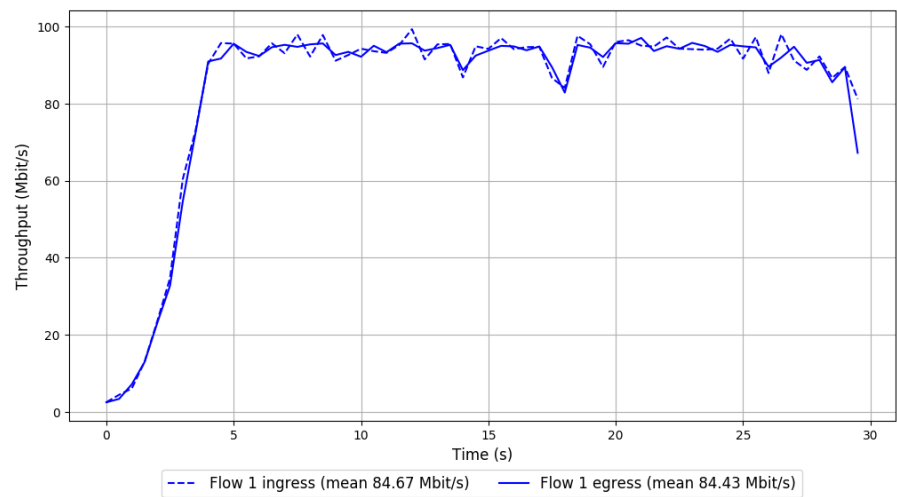
Run 3: Statistics of CalibratedKoho

Start at: 2017-08-21 18:29:52  
End at: 2017-08-21 18:30:22  
Local clock offset: 0.441 ms  
Remote clock offset: -6.799 ms

# Below is generated by plot.py at 2017-08-22 01:00:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.43 Mbit/s  
95th percentile per-packet one-way delay: 58.992 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 84.43 Mbit/s  
95th percentile per-packet one-way delay: 58.992 ms  
Loss rate: 0.62%



Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: 2017-08-21 18:49:55

End at: 2017-08-21 18:50:25

Local clock offset: 0.323 ms

Remote clock offset: 1.019 ms

# Below is generated by plot.py at 2017-08-22 01:00:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.57 Mbit/s

95th percentile per-packet one-way delay: 52.336 ms

Loss rate: 0.45%

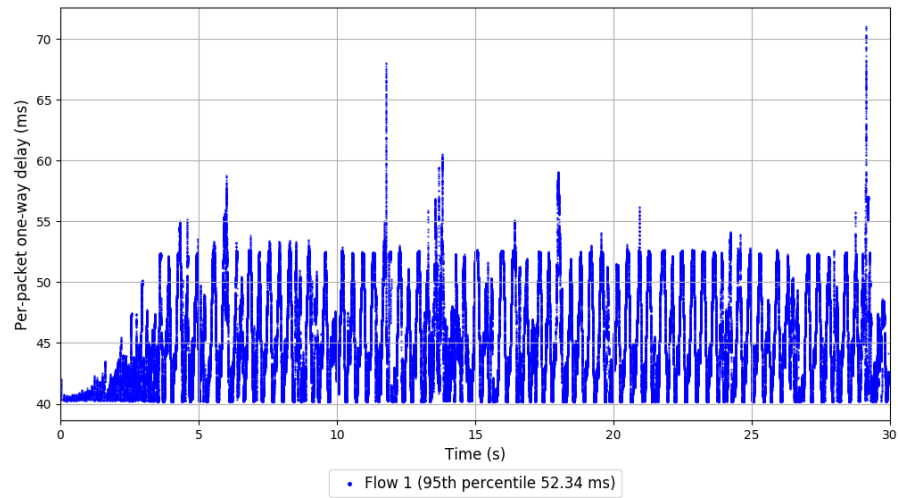
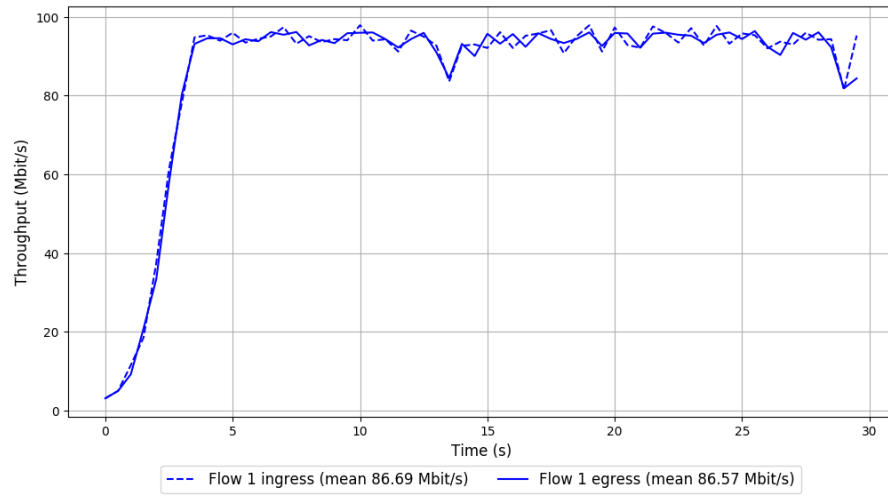
-- Flow 1:

Average throughput: 86.57 Mbit/s

95th percentile per-packet one-way delay: 52.336 ms

Loss rate: 0.45%

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



Run 5: Statistics of CalibratedKoho

Start at: 2017-08-21 19:10:45

End at: 2017-08-21 19:11:15

Local clock offset: 0.444 ms

Remote clock offset: 1.231 ms

# Below is generated by plot.py at 2017-08-22 01:01:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.96 Mbit/s

95th percentile per-packet one-way delay: 48.992 ms

Loss rate: 0.47%

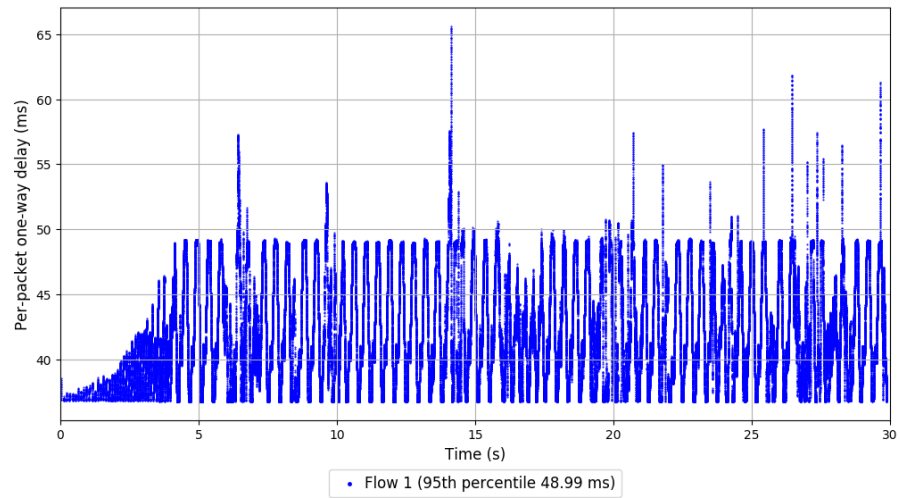
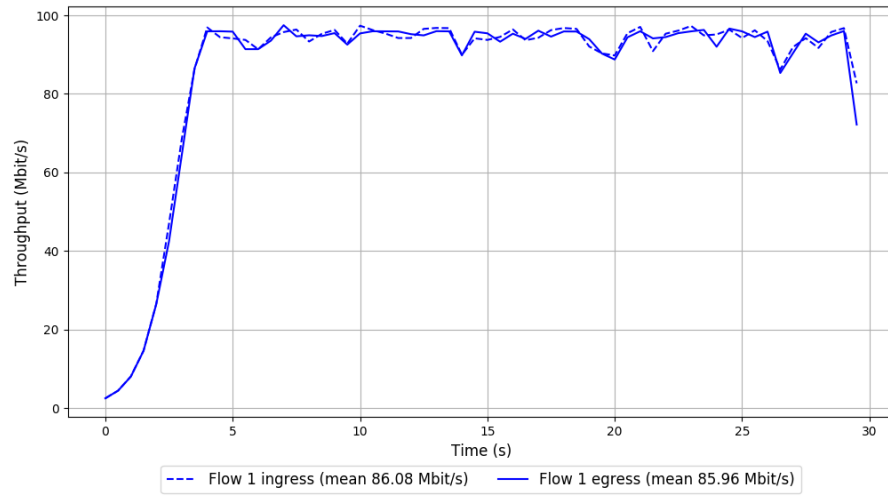
-- Flow 1:

Average throughput: 85.96 Mbit/s

95th percentile per-packet one-way delay: 48.992 ms

Loss rate: 0.47%

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

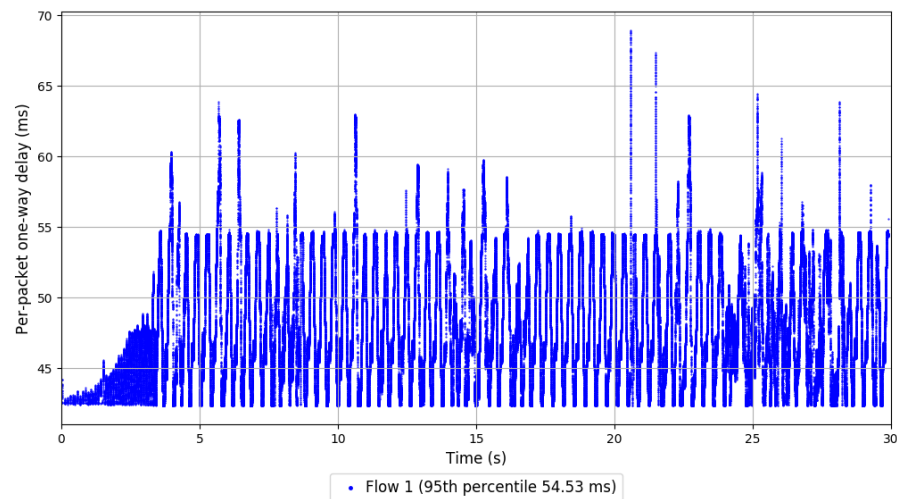
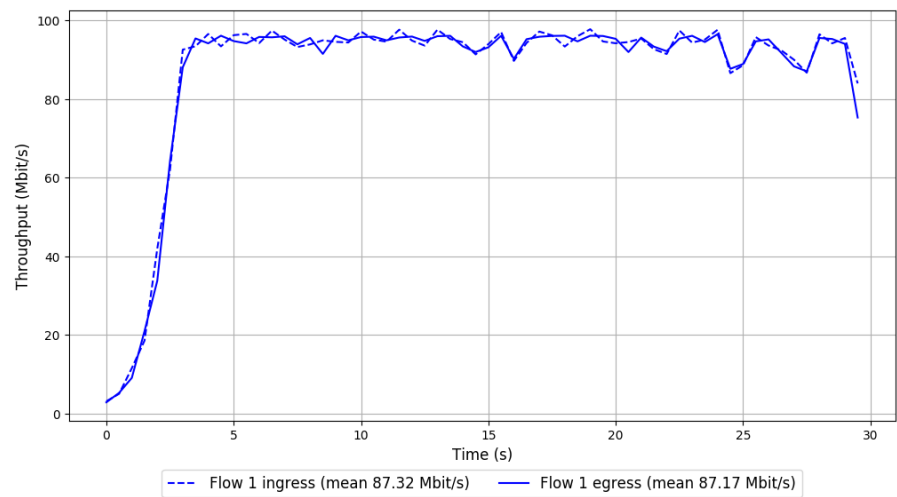


Run 6: Statistics of CalibratedKoho

Start at: 2017-08-21 19:31:08  
End at: 2017-08-21 19:31:38  
Local clock offset: 0.285 ms  
Remote clock offset: -0.585 ms

# Below is generated by plot.py at 2017-08-22 01:01:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.17 Mbit/s  
95th percentile per-packet one-way delay: 54.528 ms  
Loss rate: 0.47%  
-- Flow 1:  
Average throughput: 87.17 Mbit/s  
95th percentile per-packet one-way delay: 54.528 ms  
Loss rate: 0.47%

Run 6: Report of CalibratedKoho — Data Link



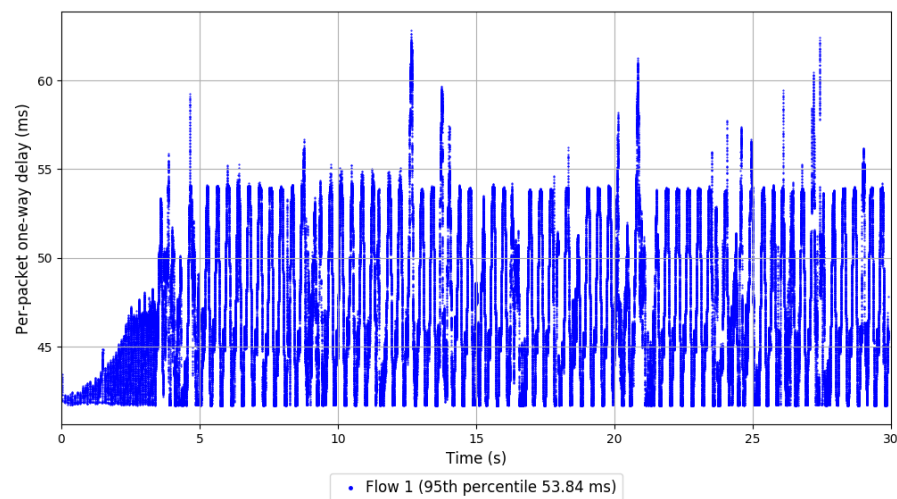
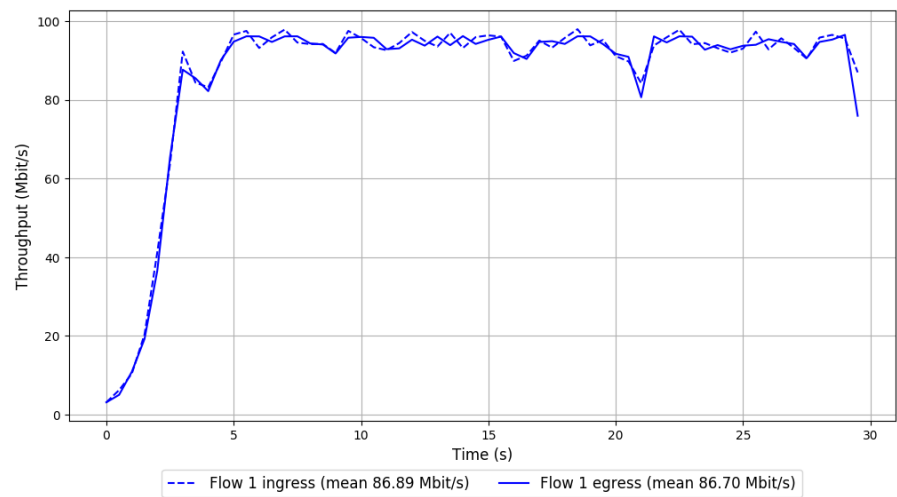
Run 7: Statistics of CalibratedKoho

Start at: 2017-08-21 19:51:51  
End at: 2017-08-21 19:52:21  
Local clock offset: 0.243 ms  
Remote clock offset: -0.749 ms

# Below is generated by plot.py at 2017-08-22 01:01:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.70 Mbit/s  
95th percentile per-packet one-way delay: 53.838 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 86.70 Mbit/s  
95th percentile per-packet one-way delay: 53.838 ms  
Loss rate: 0.51%



Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: 2017-08-21 20:12:12

End at: 2017-08-21 20:12:42

Local clock offset: 0.038 ms

Remote clock offset: 1.831 ms

# Below is generated by plot.py at 2017-08-22 01:01:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.46 Mbit/s

95th percentile per-packet one-way delay: 52.106 ms

Loss rate: 0.37%

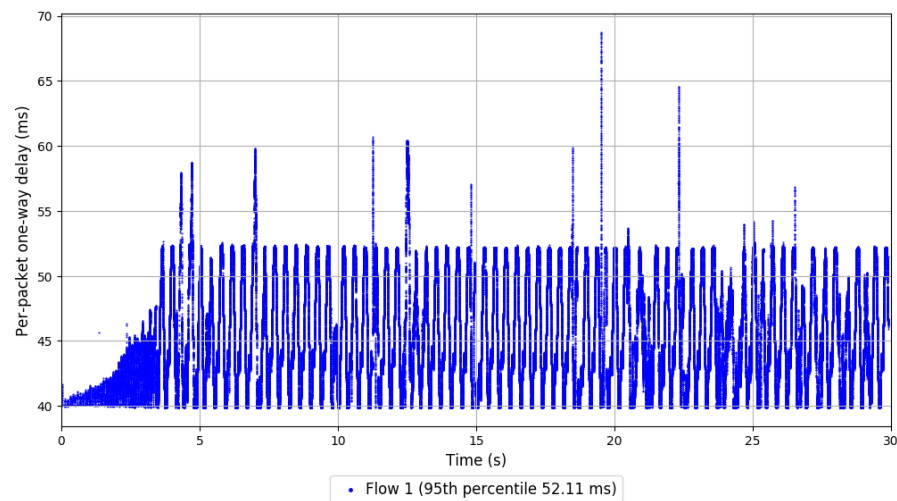
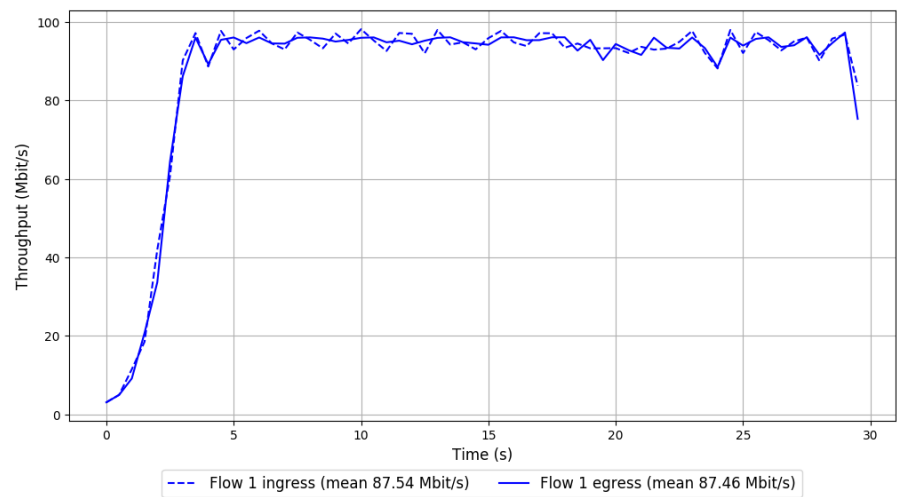
-- Flow 1:

Average throughput: 87.46 Mbit/s

95th percentile per-packet one-way delay: 52.106 ms

Loss rate: 0.37%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: 2017-08-21 20:32:26

End at: 2017-08-21 20:32:56

Local clock offset: -0.005 ms

Remote clock offset: 1.574 ms

# Below is generated by plot.py at 2017-08-22 01:01:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.31 Mbit/s

95th percentile per-packet one-way delay: 51.806 ms

Loss rate: 0.36%

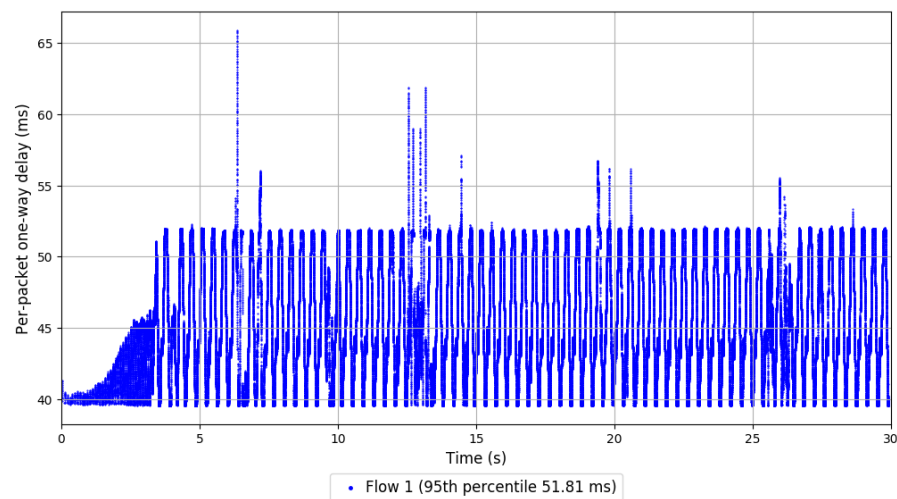
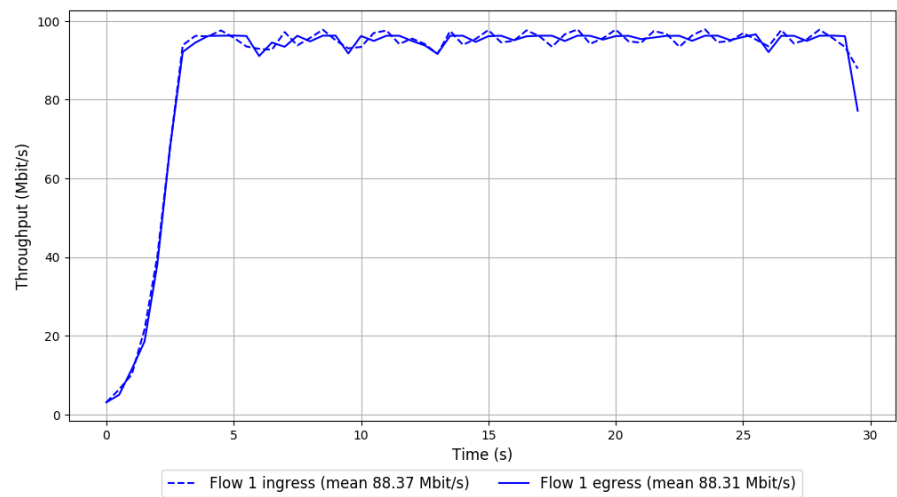
-- Flow 1:

Average throughput: 88.31 Mbit/s

95th percentile per-packet one-way delay: 51.806 ms

Loss rate: 0.36%

Run 9: Report of CalibratedKoho — Data Link

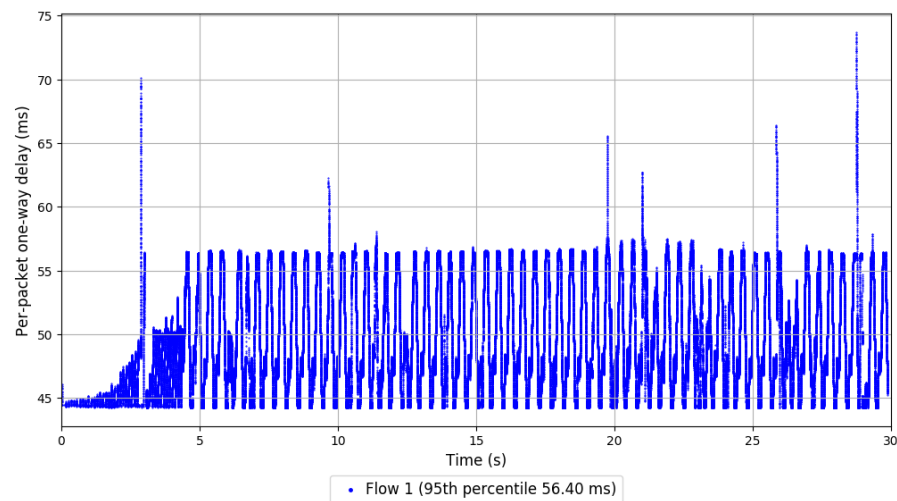
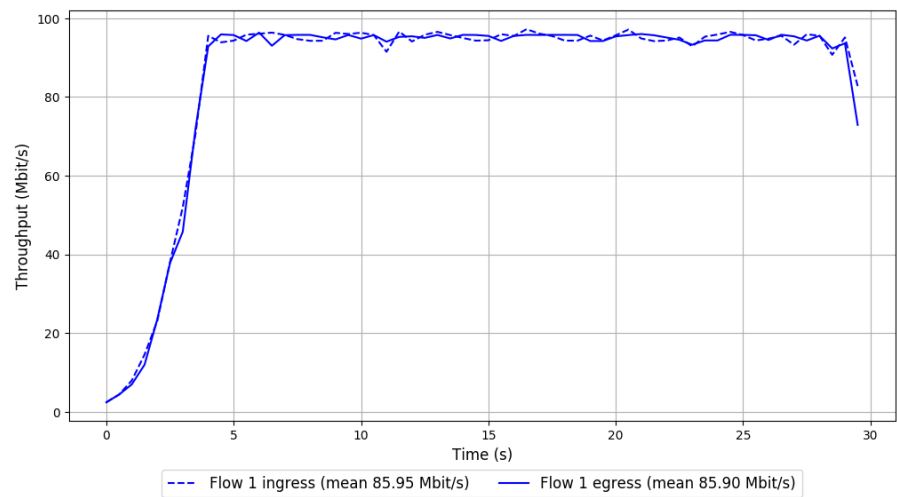


Run 10: Statistics of CalibratedKoho

Start at: 2017-08-21 20:52:40  
End at: 2017-08-21 20:53:10  
Local clock offset: 0.057 ms  
Remote clock offset: -3.232 ms

# Below is generated by plot.py at 2017-08-22 01:01:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.90 Mbit/s  
95th percentile per-packet one-way delay: 56.400 ms  
Loss rate: 0.39%  
-- Flow 1:  
Average throughput: 85.90 Mbit/s  
95th percentile per-packet one-way delay: 56.400 ms  
Loss rate: 0.39%

Run 10: Report of CalibratedKoho — Data Link



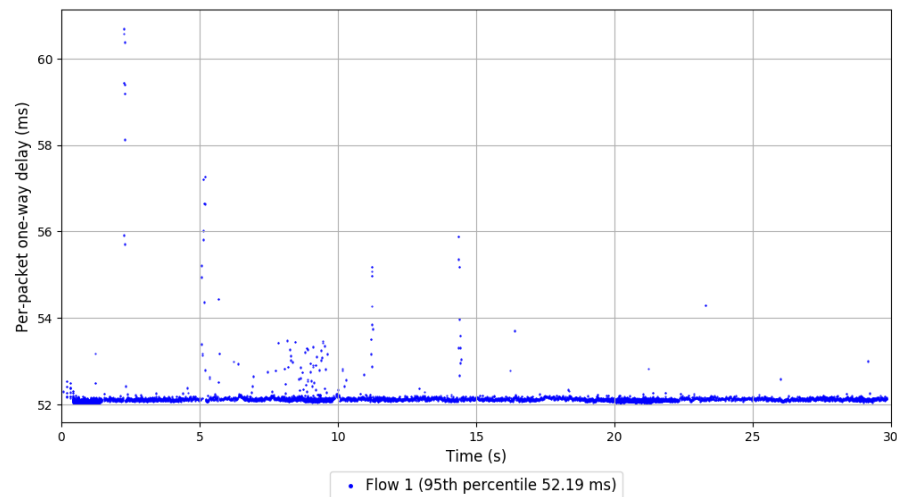
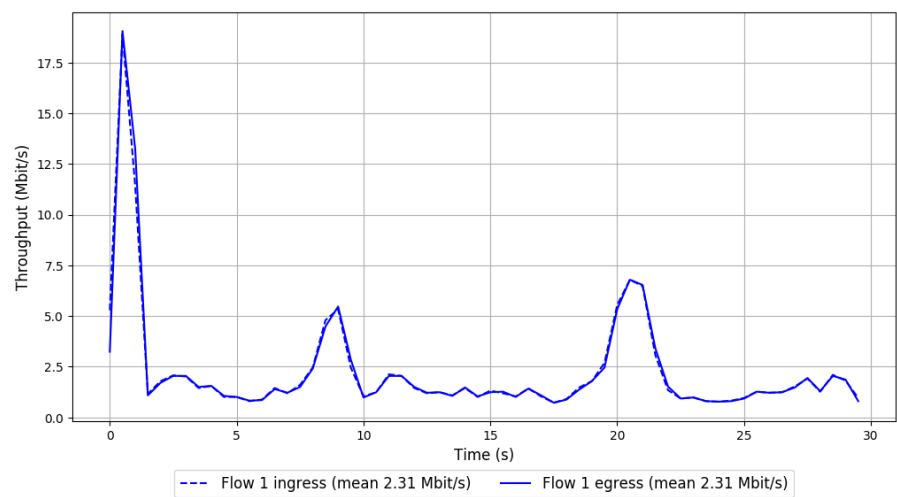
Run 1: Statistics of Copa

Start at: 2017-08-21 17:45:53  
End at: 2017-08-21 17:46:23  
Local clock offset: 0.555 ms  
Remote clock offset: -12.917 ms

# Below is generated by plot.py at 2017-08-22 01:01:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.31 Mbit/s  
95th percentile per-packet one-way delay: 52.185 ms  
Loss rate: 0.23%  
-- Flow 1:  
Average throughput: 2.31 Mbit/s  
95th percentile per-packet one-way delay: 52.185 ms  
Loss rate: 0.23%



Run 1: Report of Copa — Data Link

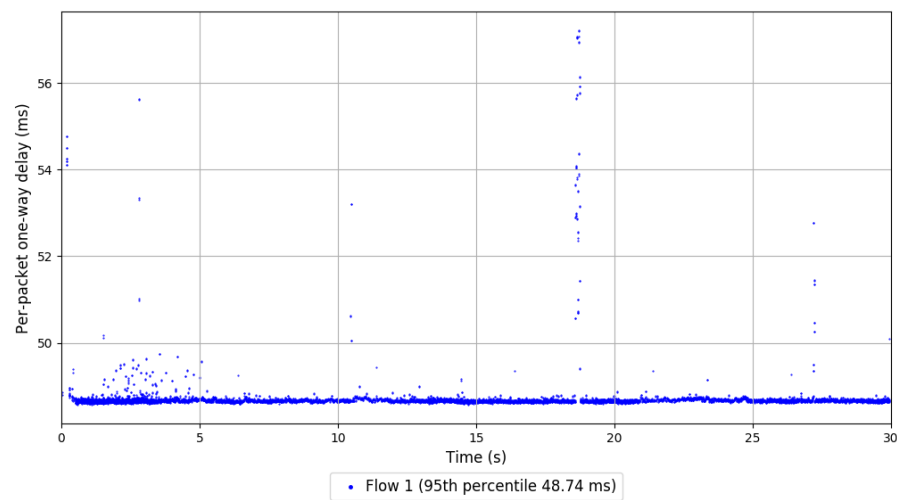
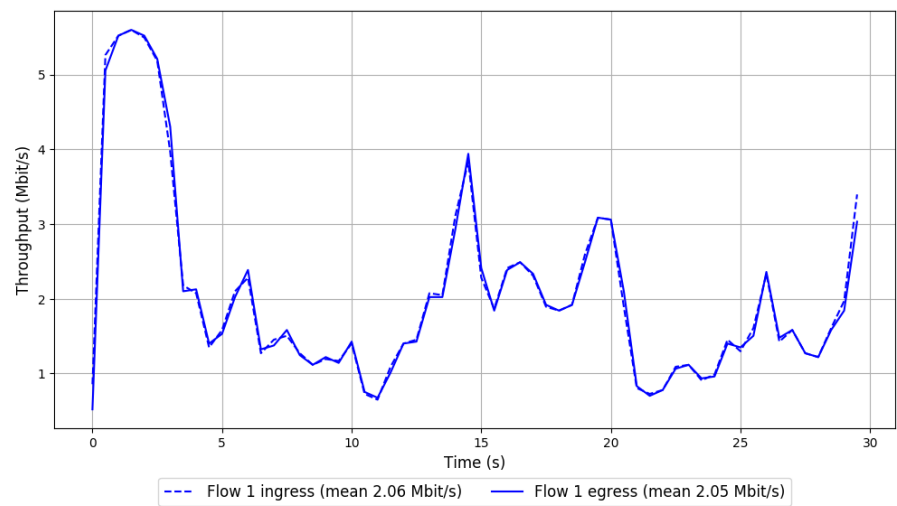


Run 2: Statistics of Copa

Start at: 2017-08-21 18:06:58  
End at: 2017-08-21 18:07:28  
Local clock offset: 0.431 ms  
Remote clock offset: -8.352 ms

# Below is generated by plot.py at 2017-08-22 01:01:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.05 Mbit/s  
95th percentile per-packet one-way delay: 48.742 ms  
Loss rate: 0.53%  
-- Flow 1:  
Average throughput: 2.05 Mbit/s  
95th percentile per-packet one-way delay: 48.742 ms  
Loss rate: 0.53%

Run 2: Report of Copa — Data Link

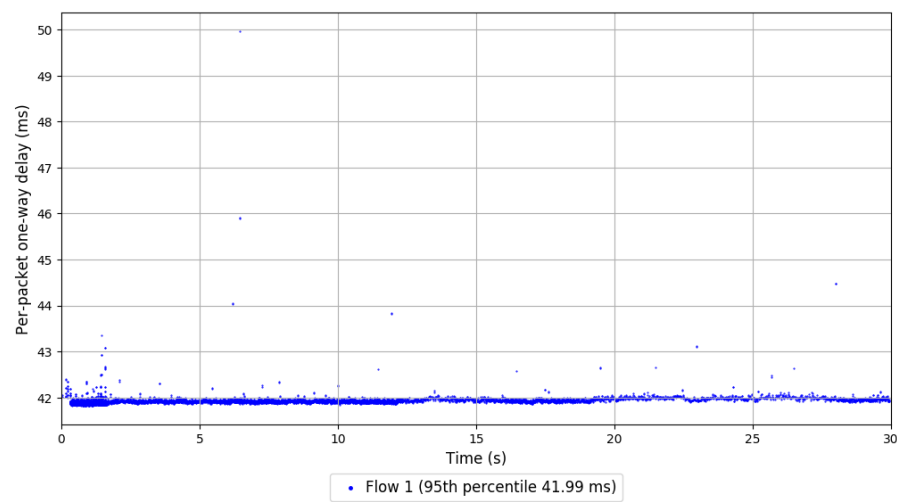
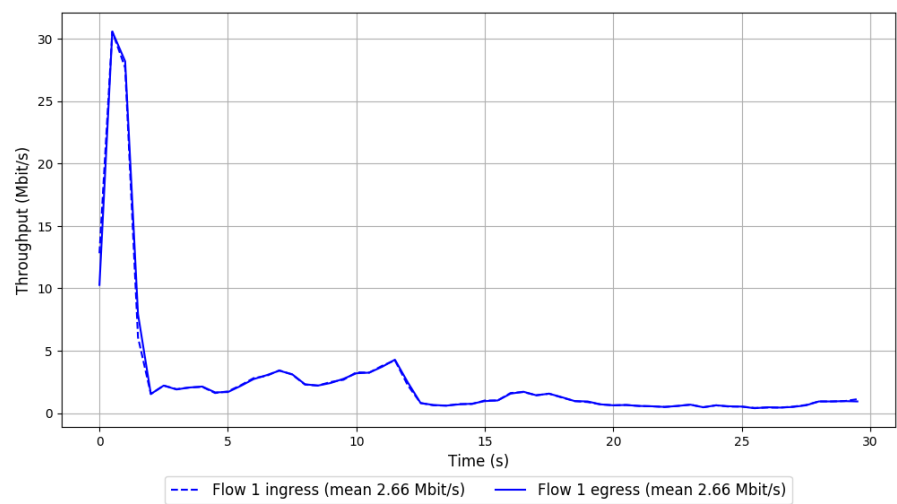


Run 3: Statistics of Copa

Start at: 2017-08-21 18:27:13  
End at: 2017-08-21 18:27:43  
Local clock offset: 0.345 ms  
Remote clock offset: -1.847 ms

# Below is generated by plot.py at 2017-08-22 01:01:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.66 Mbit/s  
95th percentile per-packet one-way delay: 41.991 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 2.66 Mbit/s  
95th percentile per-packet one-way delay: 41.991 ms  
Loss rate: 0.16%

Run 3: Report of Copa — Data Link

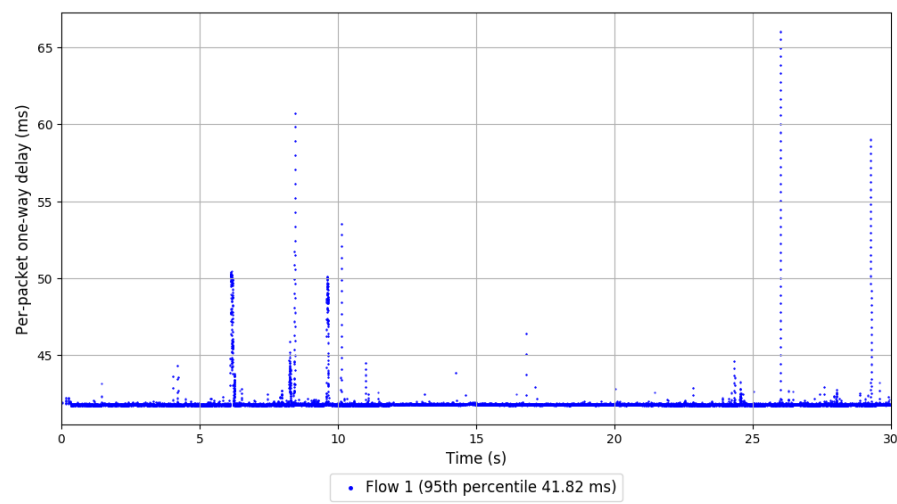
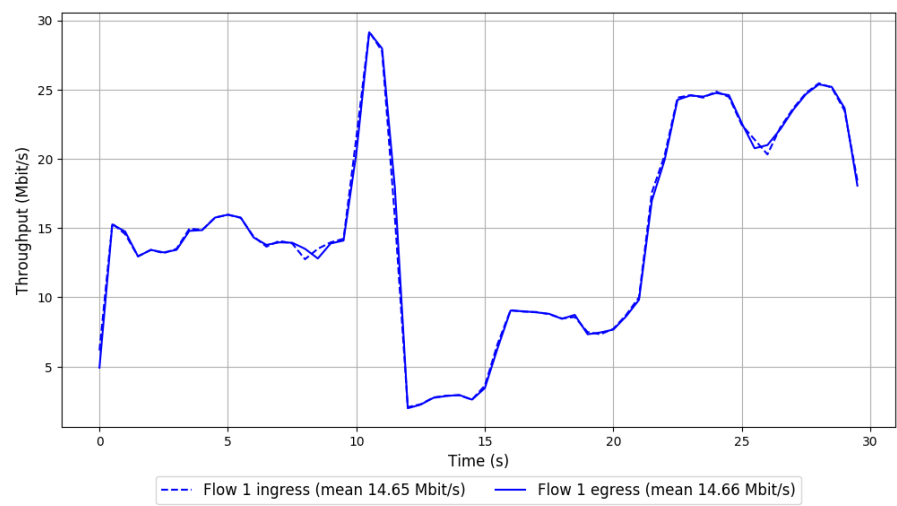


Run 4: Statistics of Copa

Start at: 2017-08-21 18:47:15  
End at: 2017-08-21 18:47:45  
Local clock offset: 0.429 ms  
Remote clock offset: -1.129 ms

# Below is generated by plot.py at 2017-08-22 01:01:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 14.66 Mbit/s  
95th percentile per-packet one-way delay: 41.820 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 14.66 Mbit/s  
95th percentile per-packet one-way delay: 41.820 ms  
Loss rate: 0.28%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2017-08-21 19:07:56

End at: 2017-08-21 19:08:26

Local clock offset: 0.426 ms

Remote clock offset: 1.111 ms

# Below is generated by plot.py at 2017-08-22 01:01:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 56.16 Mbit/s

95th percentile per-packet one-way delay: 50.613 ms

Loss rate: 0.49%

-- Flow 1:

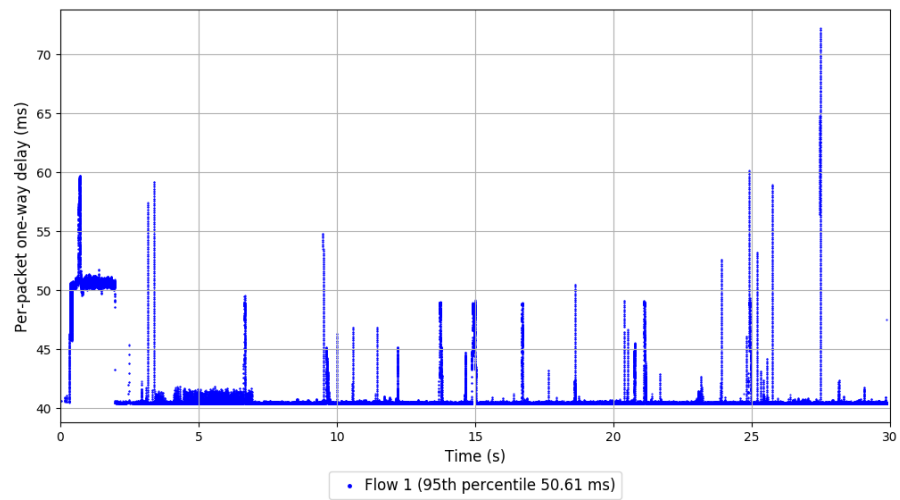
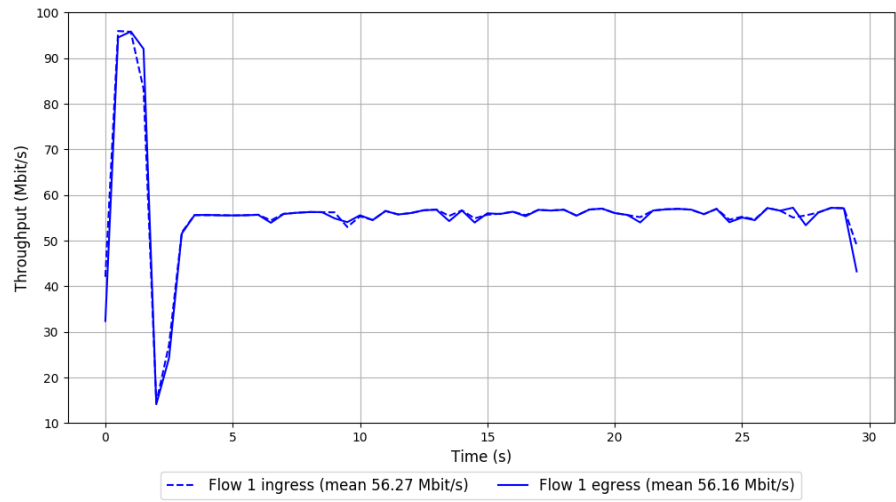
Average throughput: 56.16 Mbit/s

95th percentile per-packet one-way delay: 50.613 ms

Loss rate: 0.49%



### Run 5: Report of Copa — Data Link

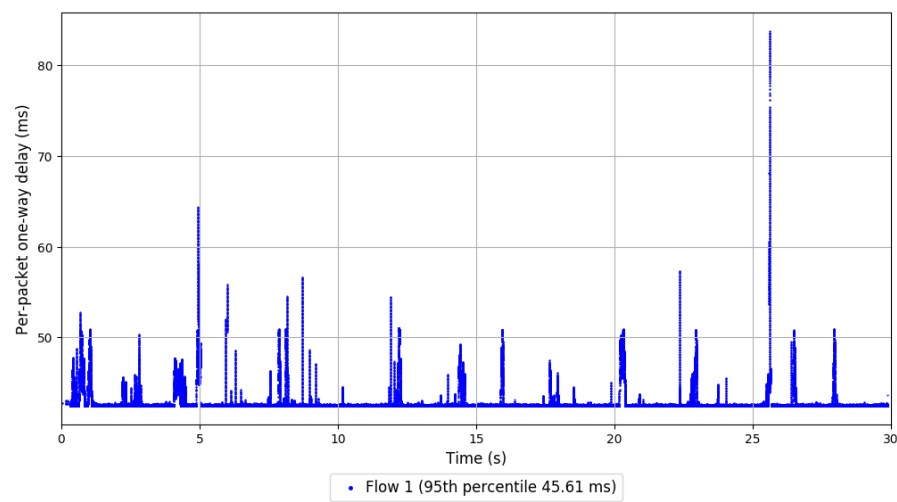
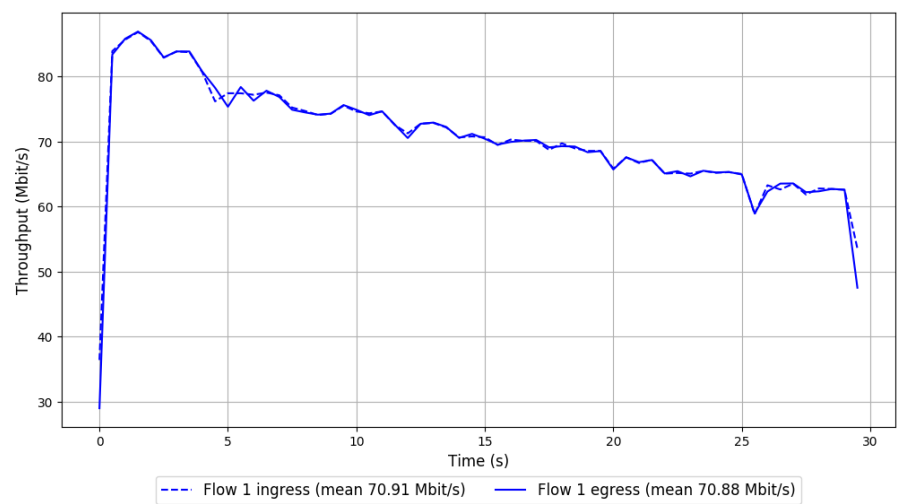


Run 6: Statistics of Copa

Start at: 2017-08-21 19:28:16  
End at: 2017-08-21 19:28:46  
Local clock offset: 0.375 ms  
Remote clock offset: -0.598 ms

# Below is generated by plot.py at 2017-08-22 01:01:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.88 Mbit/s  
95th percentile per-packet one-way delay: 45.612 ms  
Loss rate: 0.34%  
-- Flow 1:  
Average throughput: 70.88 Mbit/s  
95th percentile per-packet one-way delay: 45.612 ms  
Loss rate: 0.34%

Run 6: Report of Copa — Data Link

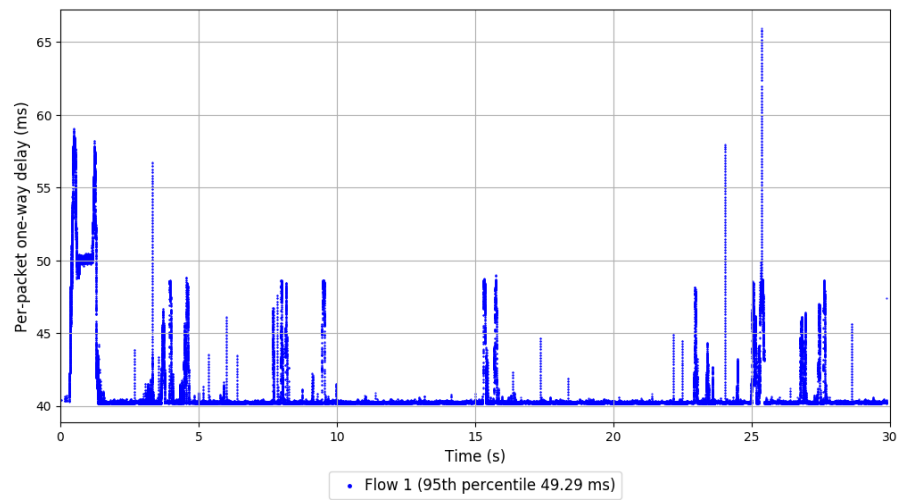
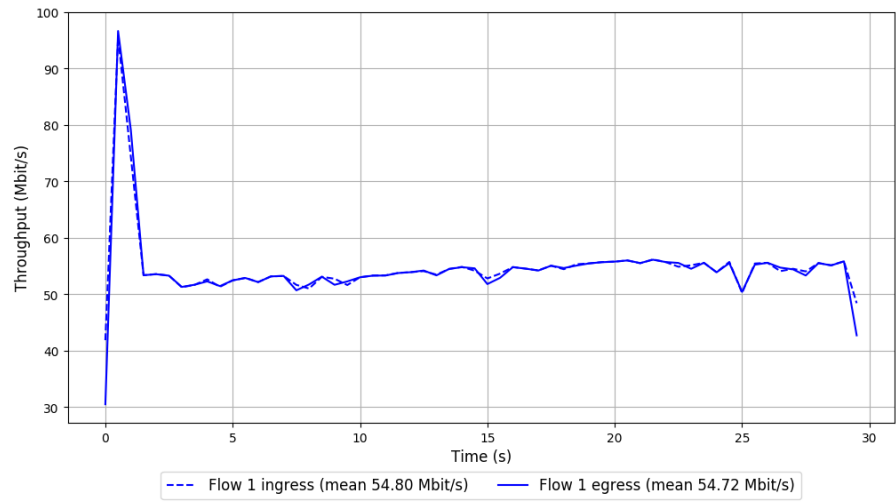


Run 7: Statistics of Copa

Start at: 2017-08-21 19:49:04  
End at: 2017-08-21 19:49:34  
Local clock offset: 0.251 ms  
Remote clock offset: 1.447 ms

# Below is generated by plot.py at 2017-08-22 01:02:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 54.72 Mbit/s  
95th percentile per-packet one-way delay: 49.290 ms  
Loss rate: 0.43%  
-- Flow 1:  
Average throughput: 54.72 Mbit/s  
95th percentile per-packet one-way delay: 49.290 ms  
Loss rate: 0.43%

## Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

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

End at: 2017-08-21 20:09:51

Local clock offset: 0.012 ms

Remote clock offset: 1.877 ms

# Below is generated by plot.py at 2017-08-22 01:02:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.35 Mbit/s

95th percentile per-packet one-way delay: 39.095 ms

Loss rate: 0.27%

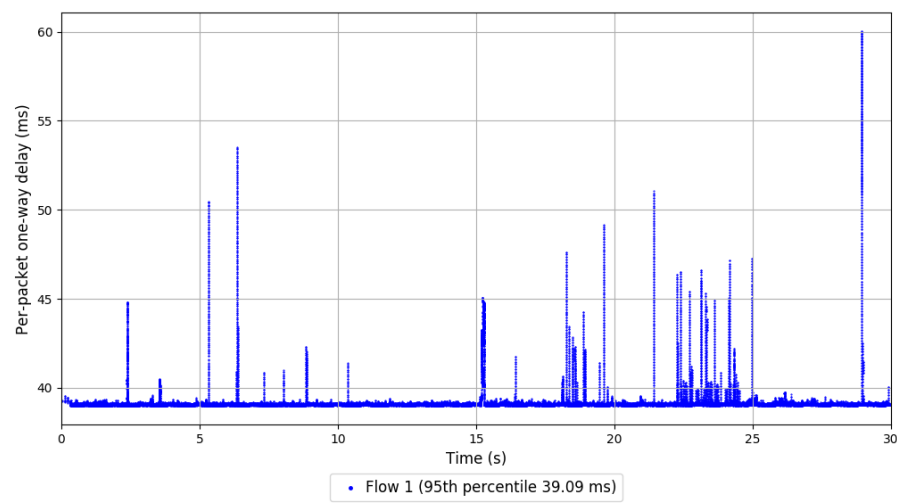
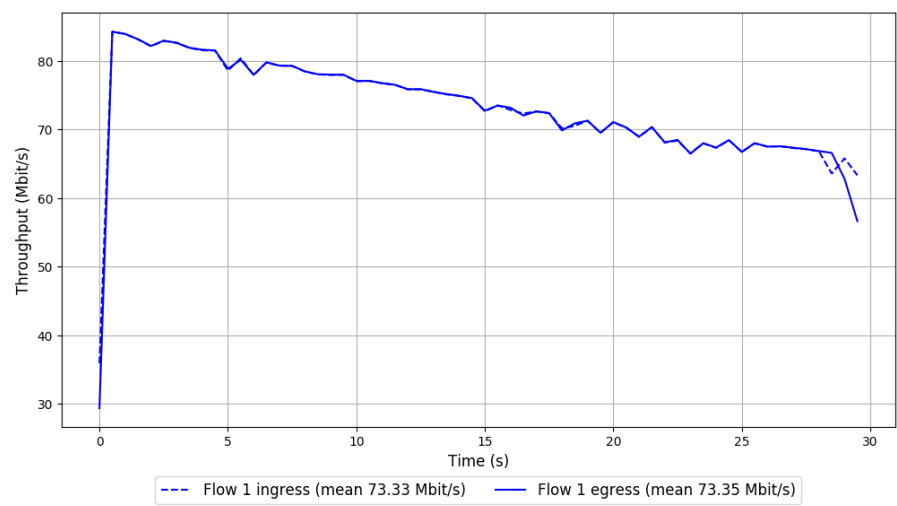
-- Flow 1:

Average throughput: 73.35 Mbit/s

95th percentile per-packet one-way delay: 39.095 ms

Loss rate: 0.27%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2017-08-21 20:29:41

End at: 2017-08-21 20:30:11

Local clock offset: -0.111 ms

Remote clock offset: 1.987 ms

# Below is generated by plot.py at 2017-08-22 01:02:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 51.47 Mbit/s

95th percentile per-packet one-way delay: 39.109 ms

Loss rate: 0.31%

-- Flow 1:

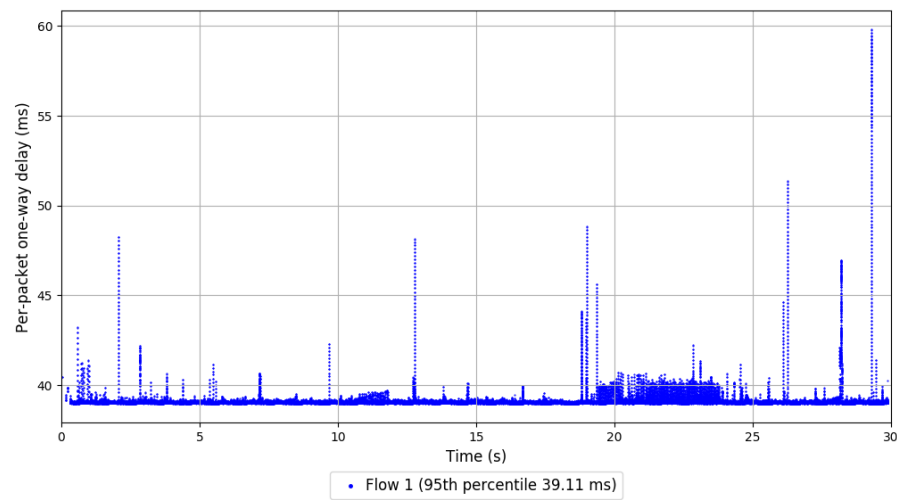
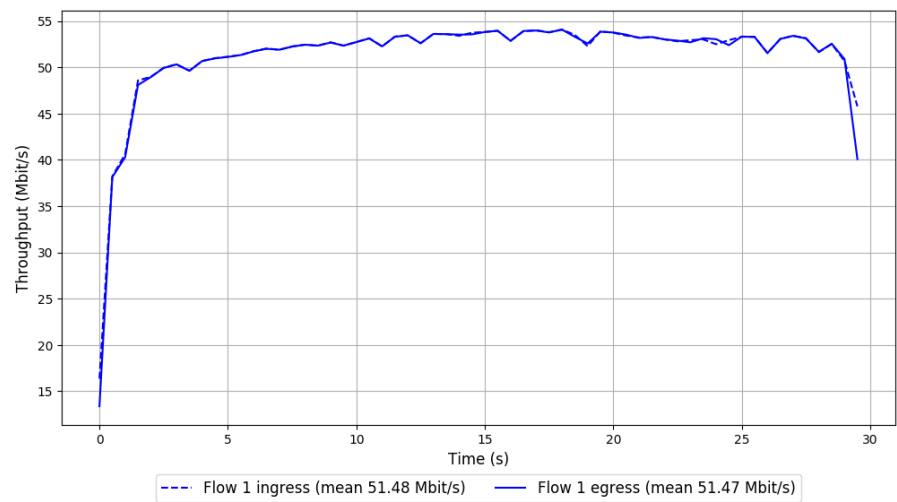
Average throughput: 51.47 Mbit/s

95th percentile per-packet one-way delay: 39.109 ms

Loss rate: 0.31%



Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

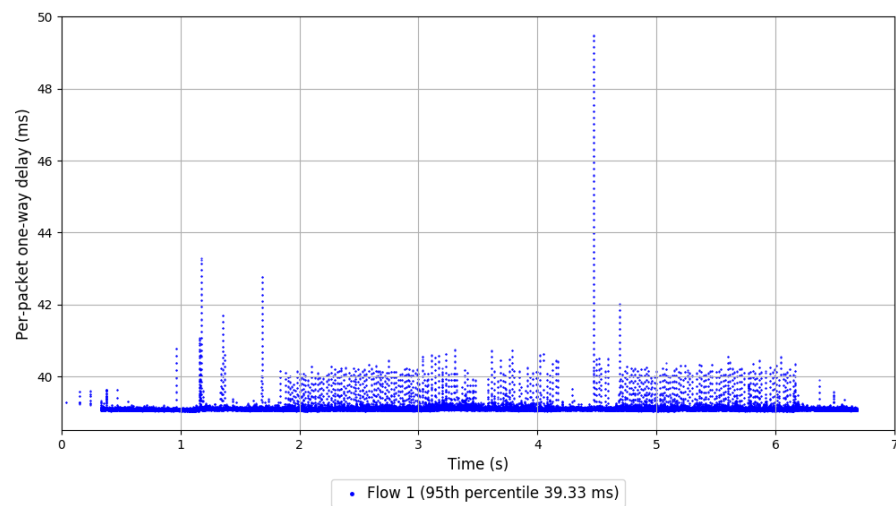
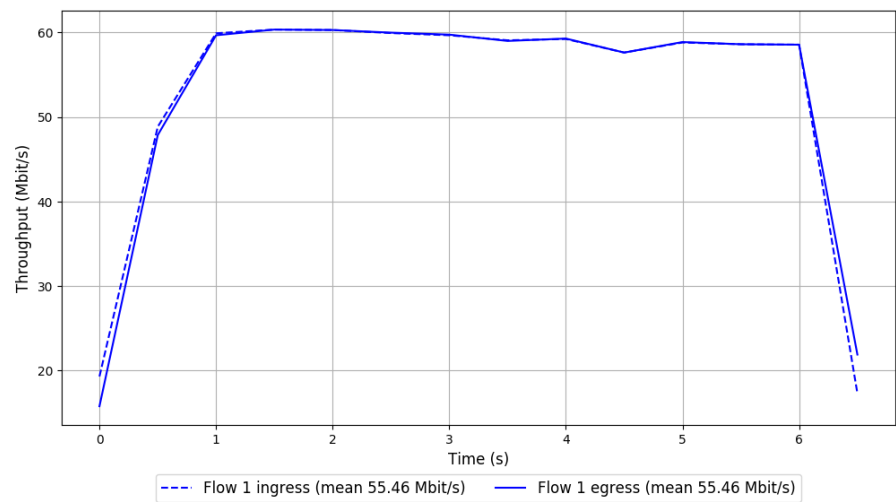
Start at: 2017-08-21 20:49:58

End at: 2017-08-21 20:50:28

Local clock offset: 0.051 ms

Remote clock offset: 1.973 ms

Run 10: Report of Copa — Data Link

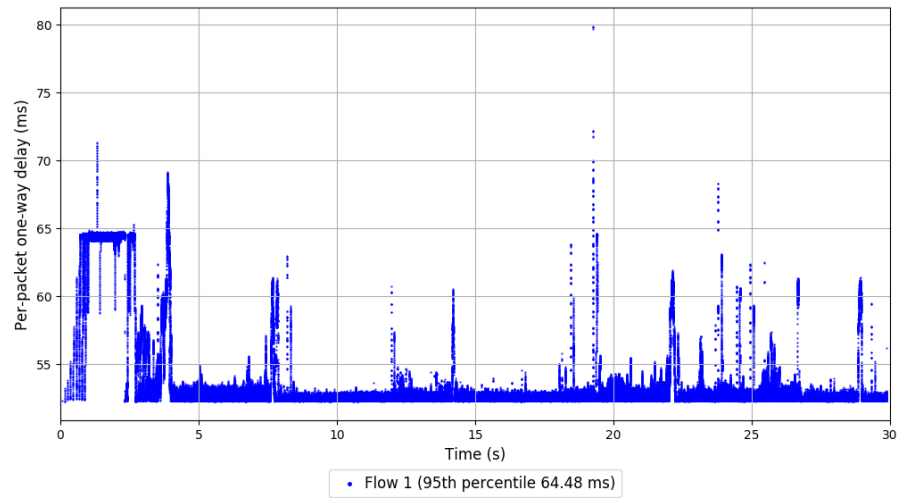
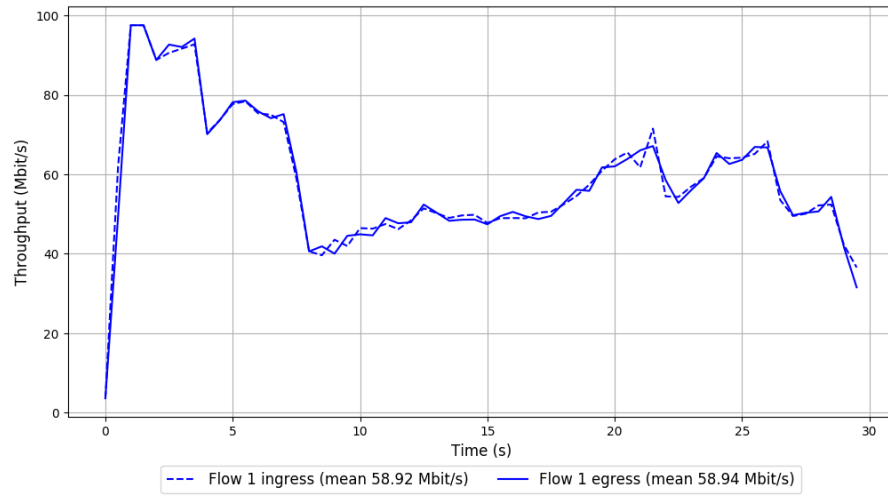


Run 1: Statistics of TCP Cubic

Start at: 2017-08-21 17:47:11  
End at: 2017-08-21 17:47:42  
Local clock offset: 0.55 ms  
Remote clock offset: -13.062 ms

# Below is generated by plot.py at 2017-08-22 01:02:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 58.94 Mbit/s  
95th percentile per-packet one-way delay: 64.480 ms  
Loss rate: 0.31%  
-- Flow 1:  
Average throughput: 58.94 Mbit/s  
95th percentile per-packet one-way delay: 64.480 ms  
Loss rate: 0.31%

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



Run 2: Statistics of TCP Cubic

Start at: 2017-08-21 18:08:16

End at: 2017-08-21 18:08:46

Local clock offset: 0.42 ms

Remote clock offset: 0.346 ms

# Below is generated by plot.py at 2017-08-22 01:02:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 28.17 Mbit/s

95th percentile per-packet one-way delay: 47.070 ms

Loss rate: 0.37%

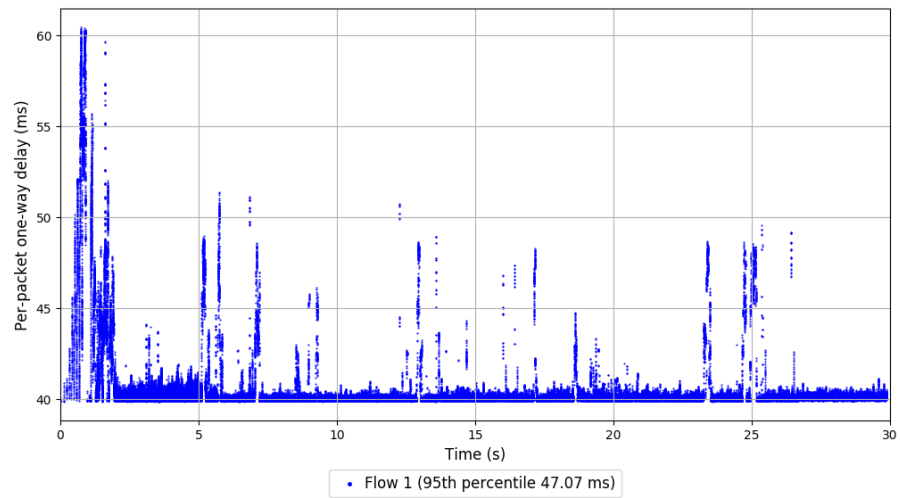
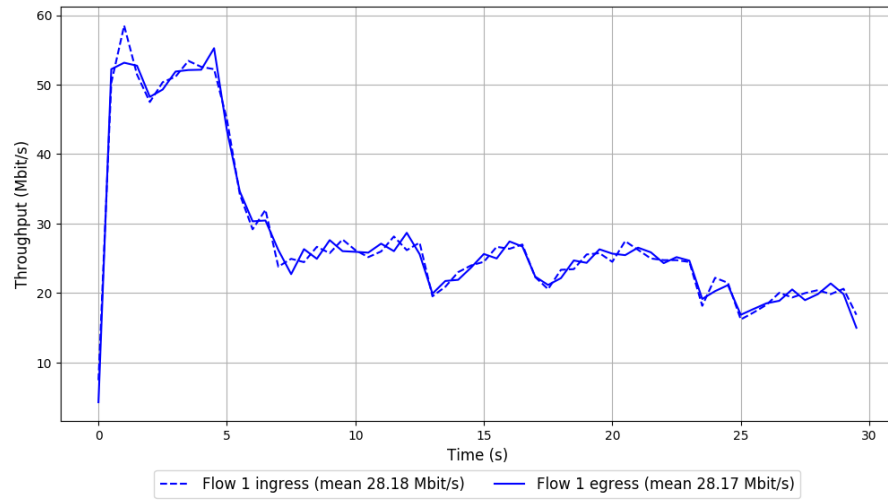
-- Flow 1:

Average throughput: 28.17 Mbit/s

95th percentile per-packet one-way delay: 47.070 ms

Loss rate: 0.37%

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



Run 3: Statistics of TCP Cubic

Start at: 2017-08-21 18:28:31

End at: 2017-08-21 18:29:01

Local clock offset: 0.438 ms

Remote clock offset: 0.509 ms

# Below is generated by plot.py at 2017-08-22 01:02:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.92 Mbit/s

95th percentile per-packet one-way delay: 42.585 ms

Loss rate: 0.51%

-- Flow 1:

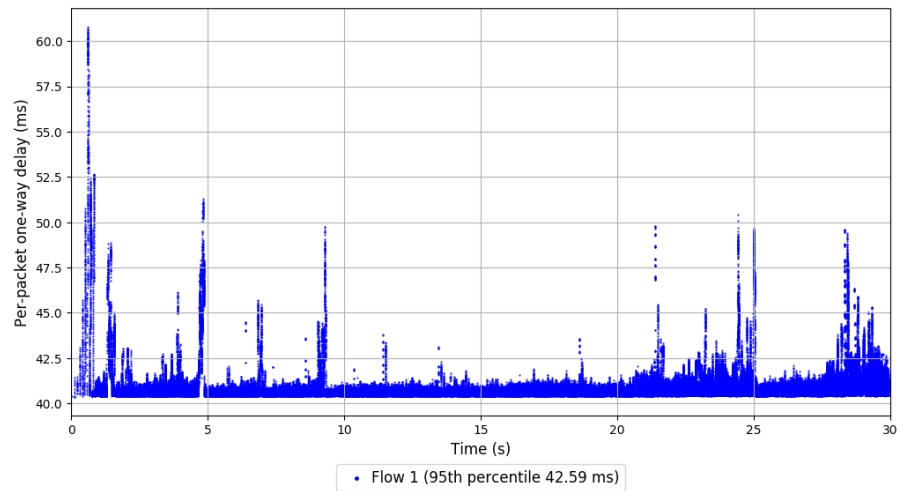
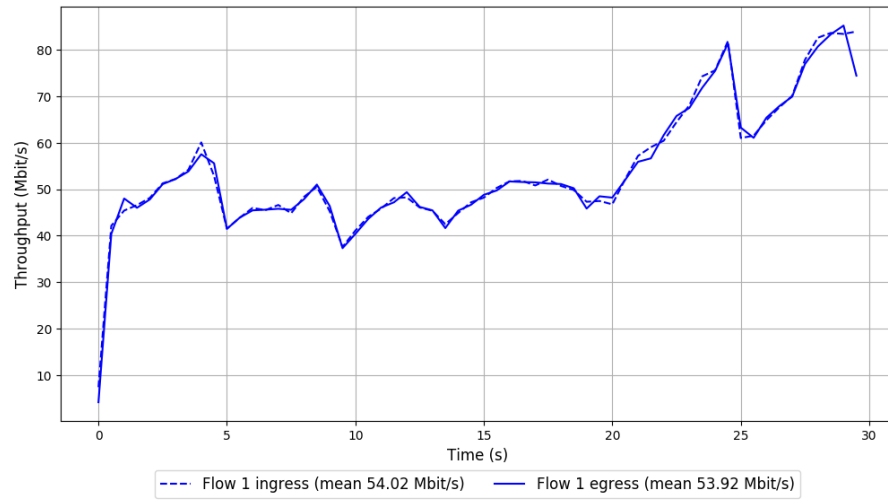
Average throughput: 53.92 Mbit/s

95th percentile per-packet one-way delay: 42.585 ms

Loss rate: 0.51%



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



Run 4: Statistics of TCP Cubic

Start at: 2017-08-21 18:48:34

End at: 2017-08-21 18:49:04

Local clock offset: 0.352 ms

Remote clock offset: -1.12 ms

# Below is generated by plot.py at 2017-08-22 01:02:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 49.00 Mbit/s

95th percentile per-packet one-way delay: 44.920 ms

Loss rate: 0.44%

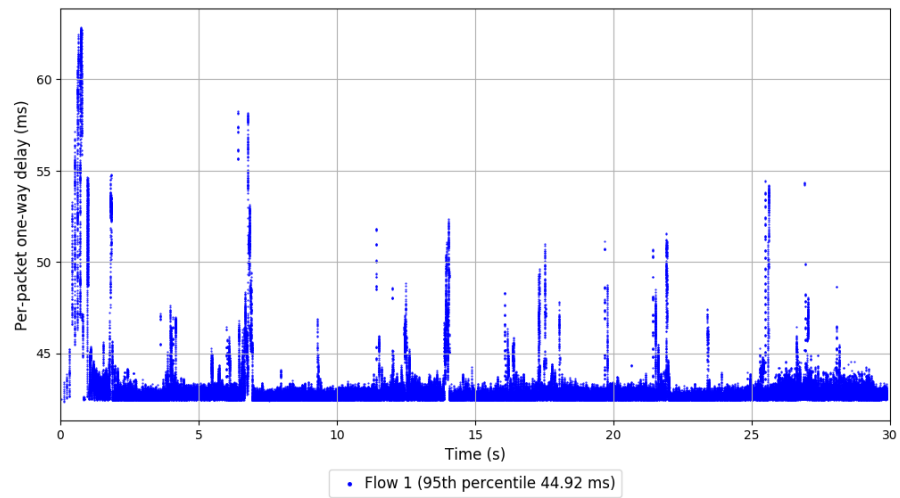
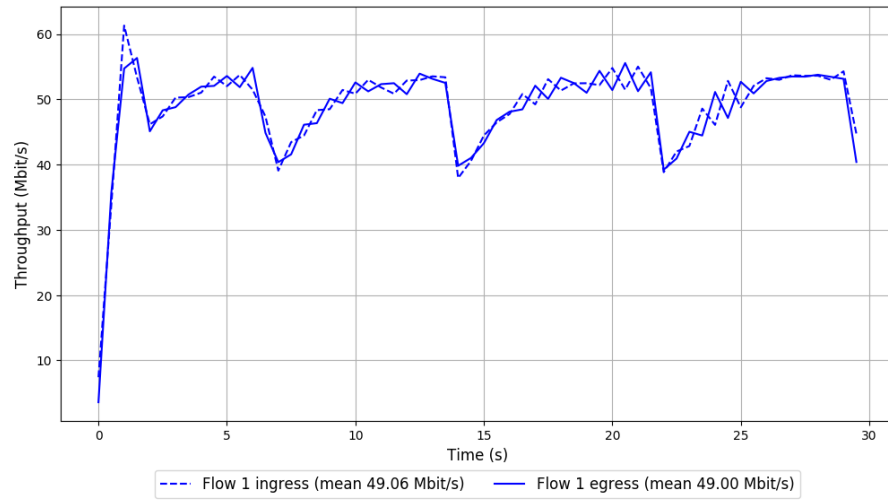
-- Flow 1:

Average throughput: 49.00 Mbit/s

95th percentile per-packet one-way delay: 44.920 ms

Loss rate: 0.44%

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



Run 5: Statistics of TCP Cubic

Start at: 2017-08-21 19:09:23

End at: 2017-08-21 19:09:53

Local clock offset: 0.421 ms

Remote clock offset: 1.669 ms

# Below is generated by plot.py at 2017-08-22 01:02:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.55 Mbit/s

95th percentile per-packet one-way delay: 40.142 ms

Loss rate: 0.54%

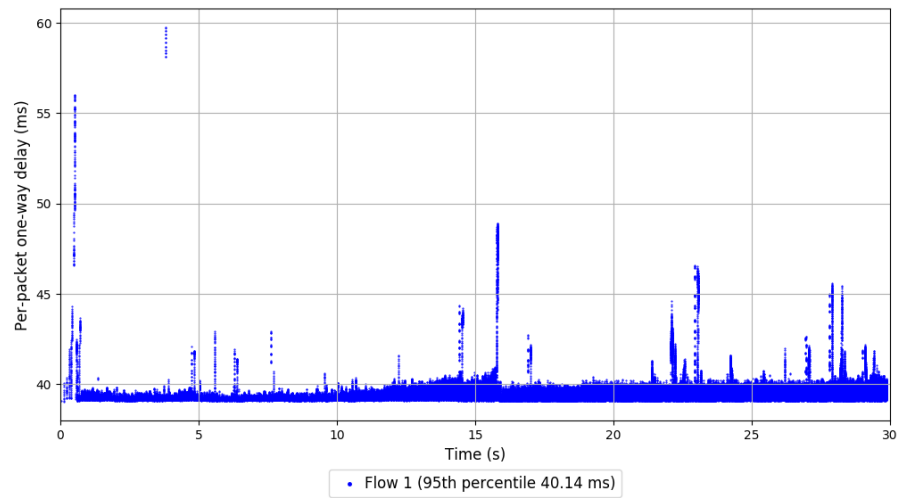
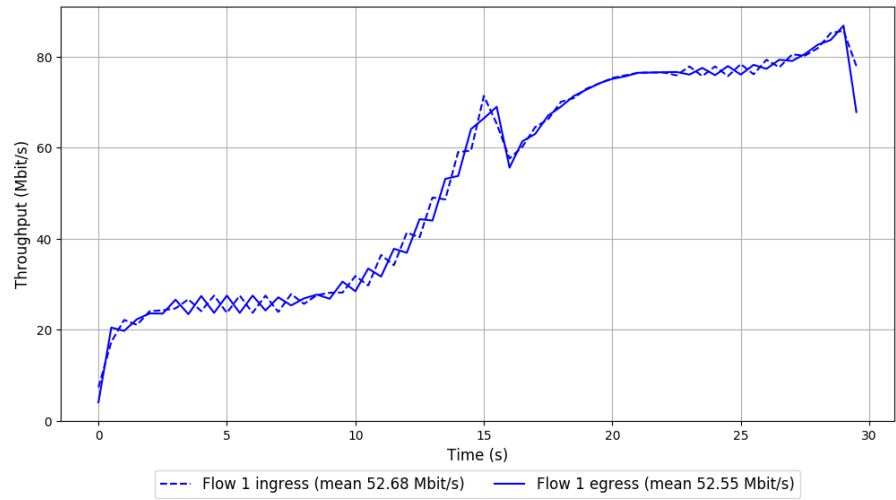
-- Flow 1:

Average throughput: 52.55 Mbit/s

95th percentile per-packet one-way delay: 40.142 ms

Loss rate: 0.54%

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



Run 6: Statistics of TCP Cubic

Start at: 2017-08-21 19:29:43

End at: 2017-08-21 19:30:14

Local clock offset: 0.383 ms

Remote clock offset: 2.057 ms

# Below is generated by plot.py at 2017-08-22 01:02:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.09 Mbit/s

95th percentile per-packet one-way delay: 50.905 ms

Loss rate: 0.26%

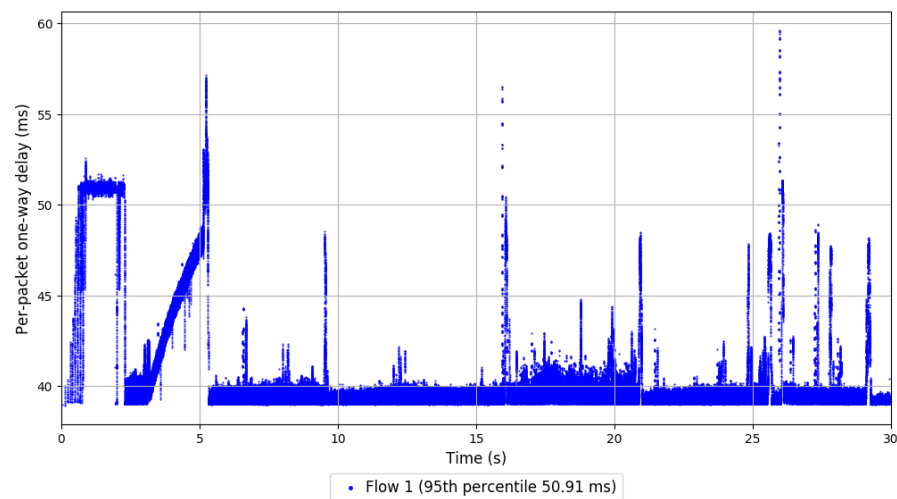
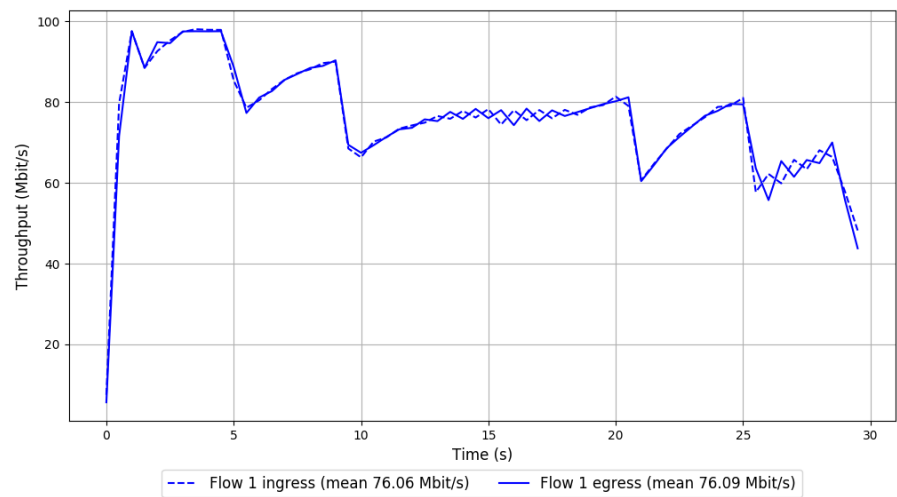
-- Flow 1:

Average throughput: 76.09 Mbit/s

95th percentile per-packet one-way delay: 50.905 ms

Loss rate: 0.26%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2017-08-21 19:50:30

End at: 2017-08-21 19:51:00

Local clock offset: 0.154 ms

Remote clock offset: 1.327 ms

# Below is generated by plot.py at 2017-08-22 01:02:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.33 Mbit/s

95th percentile per-packet one-way delay: 52.461 ms

Loss rate: 0.34%

-- Flow 1:

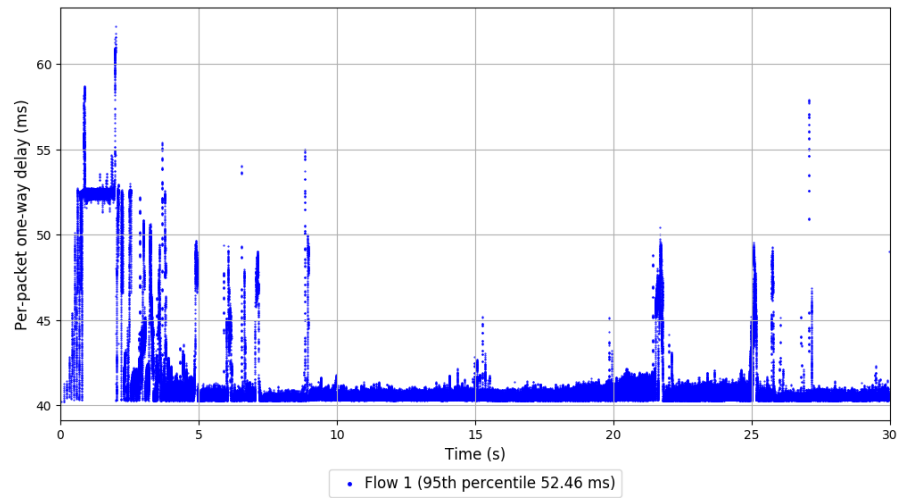
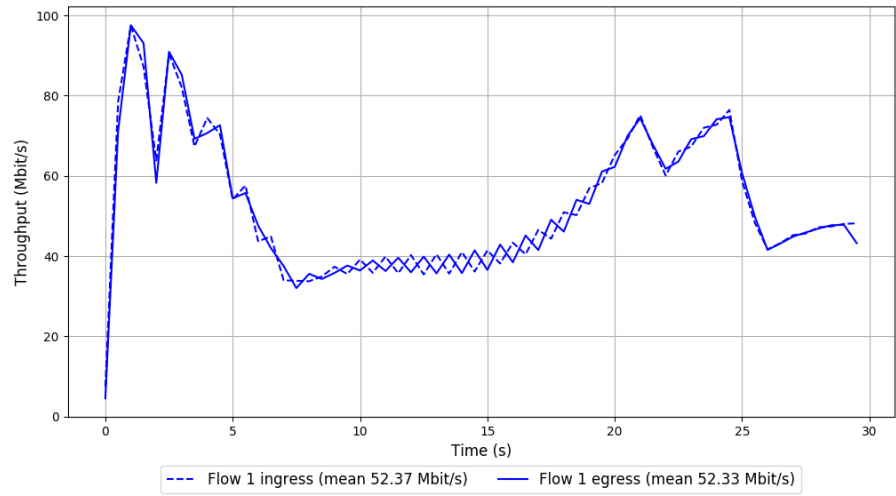
Average throughput: 52.33 Mbit/s

95th percentile per-packet one-way delay: 52.461 ms

Loss rate: 0.34%



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



Run 8: Statistics of TCP Cubic

Start at: 2017-08-21 20:10:48

End at: 2017-08-21 20:11:18

Local clock offset: -0.038 ms

Remote clock offset: 1.434 ms

# Below is generated by plot.py at 2017-08-22 01:02:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.40 Mbit/s

95th percentile per-packet one-way delay: 52.410 ms

Loss rate: 0.37%

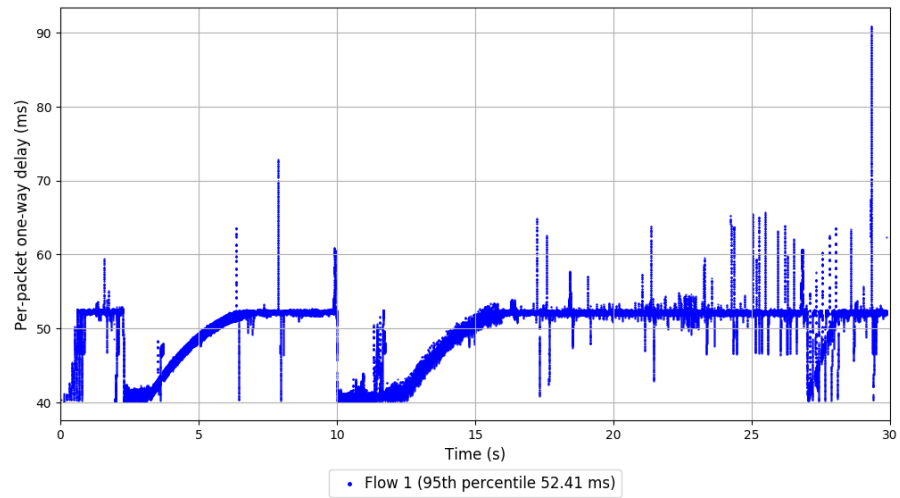
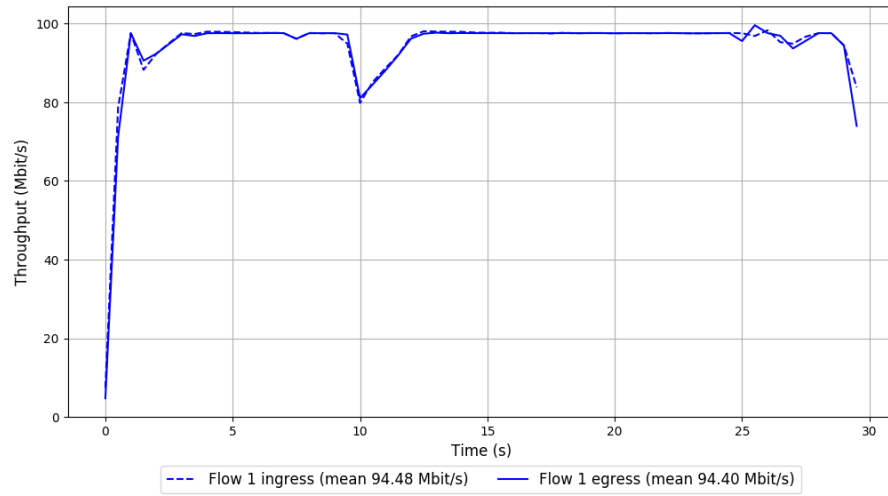
-- Flow 1:

Average throughput: 94.40 Mbit/s

95th percentile per-packet one-way delay: 52.410 ms

Loss rate: 0.37%

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



Run 9: Statistics of TCP Cubic

Start at: 2017-08-21 20:31:03

End at: 2017-08-21 20:31:33

Local clock offset: -0.096 ms

Remote clock offset: 1.941 ms

# Below is generated by plot.py at 2017-08-22 01:02:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.33 Mbit/s

95th percentile per-packet one-way delay: 52.146 ms

Loss rate: 0.30%

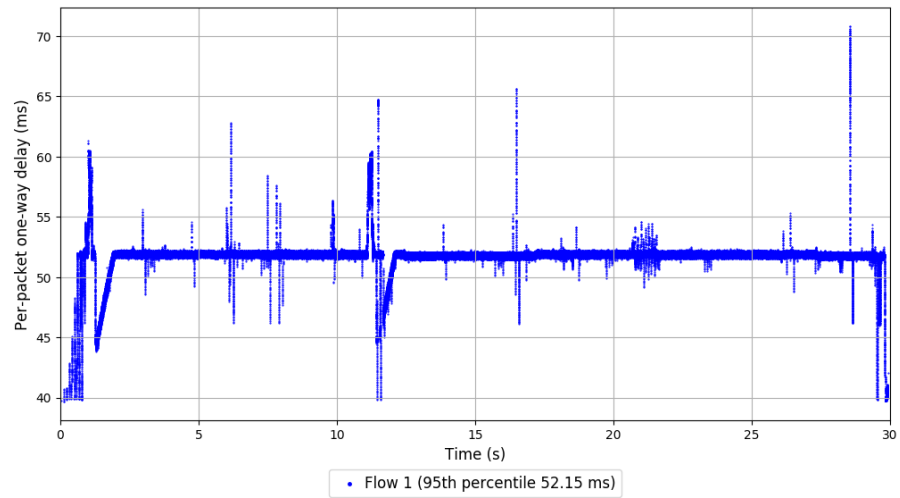
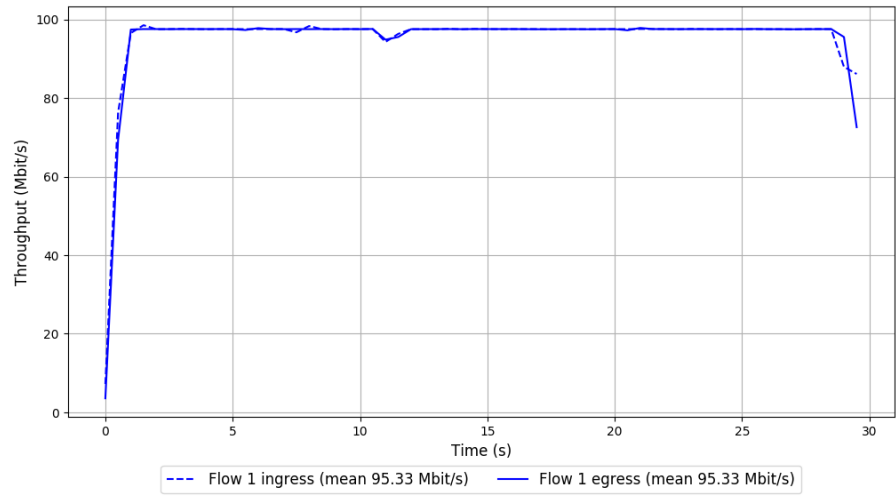
-- Flow 1:

Average throughput: 95.33 Mbit/s

95th percentile per-packet one-way delay: 52.146 ms

Loss rate: 0.30%

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



Run 10: Statistics of TCP Cubic

Start at: 2017-08-21 20:51:18

End at: 2017-08-21 20:51:48

Local clock offset: -0.028 ms

Remote clock offset: -3.33 ms

# Below is generated by plot.py at 2017-08-22 01:03:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.43 Mbit/s

95th percentile per-packet one-way delay: 56.543 ms

Loss rate: 0.43%

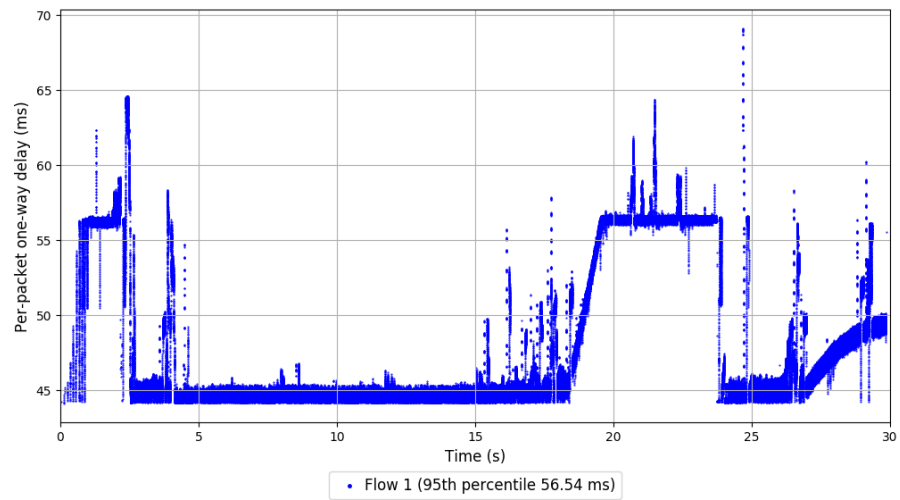
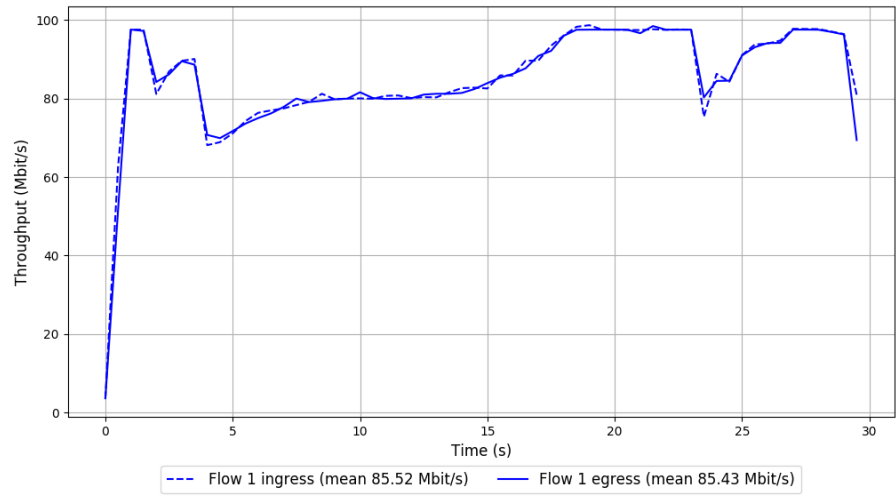
-- Flow 1:

Average throughput: 85.43 Mbit/s

95th percentile per-packet one-way delay: 56.543 ms

Loss rate: 0.43%

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



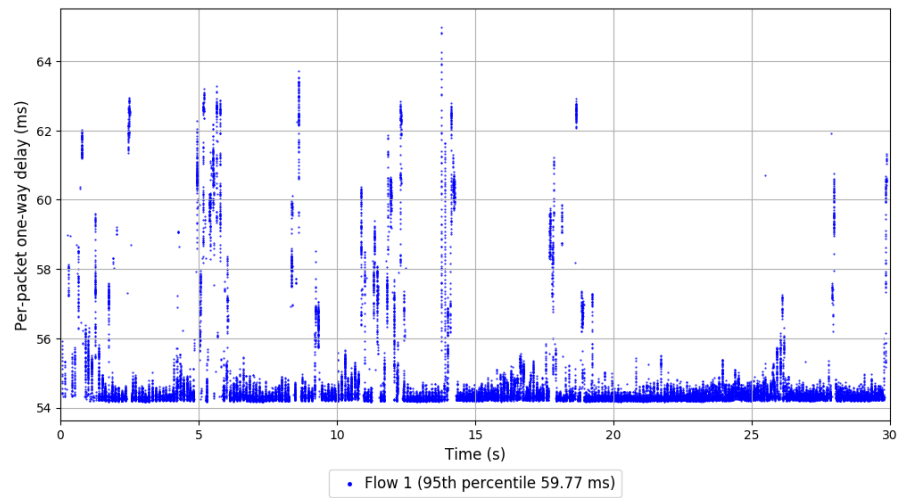
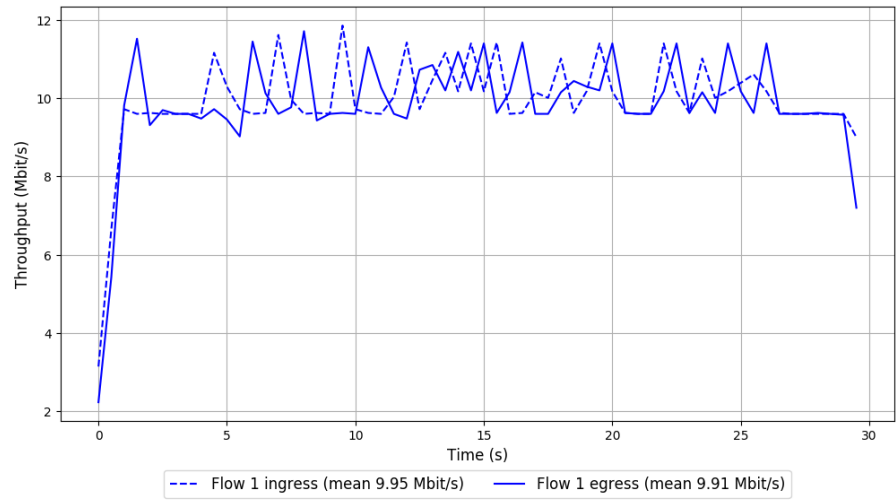
Run 1: Statistics of KohoCC

Start at: 2017-08-21 17:58:56  
End at: 2017-08-21 17:59:26  
Local clock offset: 0.488 ms  
Remote clock offset: -14.794 ms

# Below is generated by plot.py at 2017-08-22 01:03:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.91 Mbit/s  
95th percentile per-packet one-way delay: 59.771 ms  
Loss rate: 0.74%  
-- Flow 1:  
Average throughput: 9.91 Mbit/s  
95th percentile per-packet one-way delay: 59.771 ms  
Loss rate: 0.74%



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

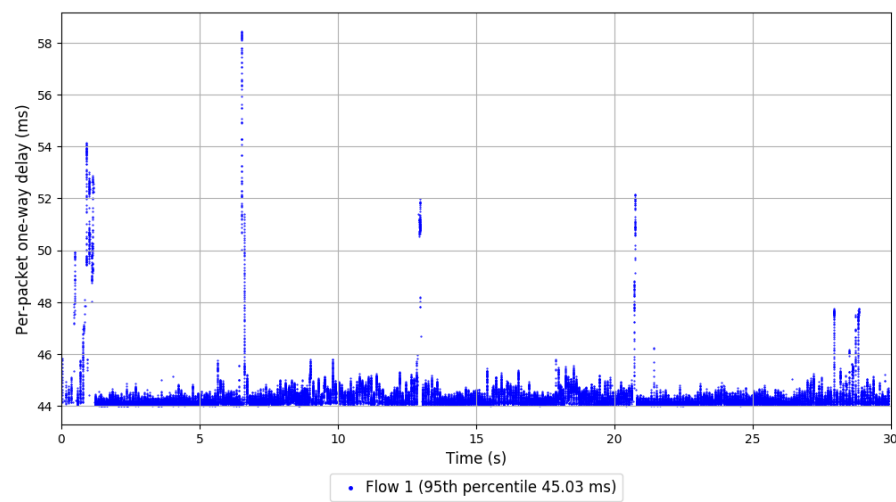
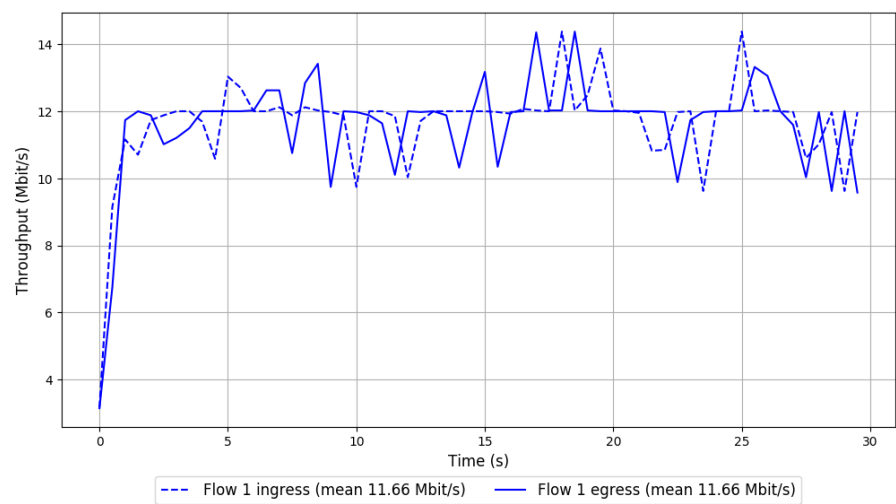


Run 2: Statistics of KohoCC

Start at: 2017-08-21 18:19:17  
End at: 2017-08-21 18:19:47  
Local clock offset: 0.417 ms  
Remote clock offset: -3.425 ms

# Below is generated by plot.py at 2017-08-22 01:03:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.66 Mbit/s  
95th percentile per-packet one-way delay: 45.027 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 11.66 Mbit/s  
95th percentile per-packet one-way delay: 45.027 ms  
Loss rate: 0.38%

Run 2: Report of KohoCC — Data Link

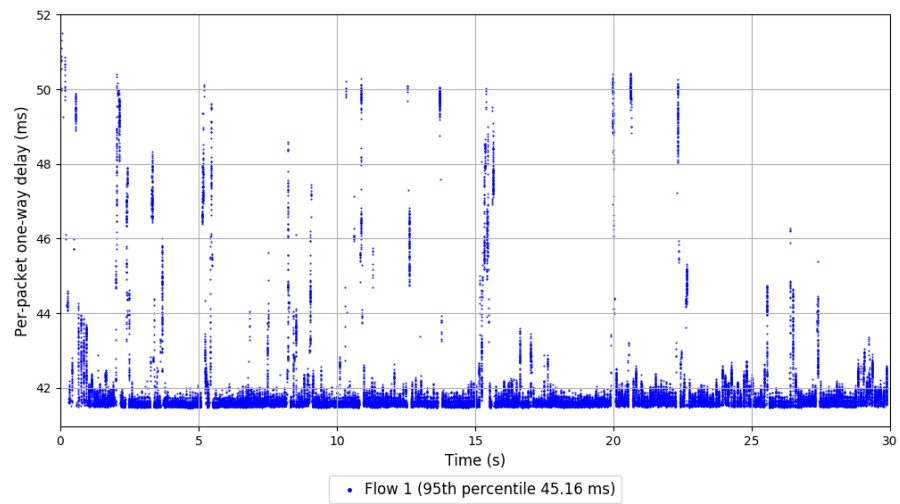
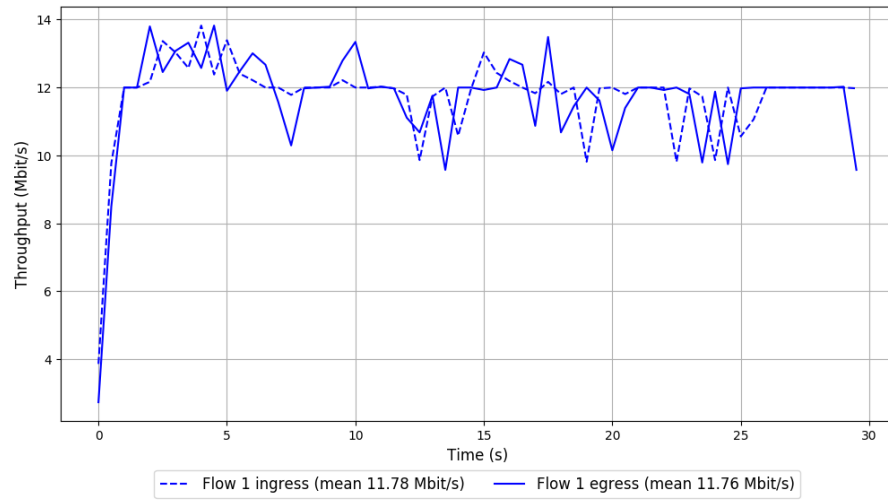


Run 3: Statistics of KohoCC

Start at: 2017-08-21 18:39:21  
End at: 2017-08-21 18:39:51  
Local clock offset: 0.347 ms  
Remote clock offset: -1.205 ms

# Below is generated by plot.py at 2017-08-22 01:03:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.76 Mbit/s  
95th percentile per-packet one-way delay: 45.164 ms  
Loss rate: 0.52%  
-- Flow 1:  
Average throughput: 11.76 Mbit/s  
95th percentile per-packet one-way delay: 45.164 ms  
Loss rate: 0.52%

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



Run 4: Statistics of KohoCC

Start at: 2017-08-21 18:59:39

End at: 2017-08-21 19:00:09

Local clock offset: 0.334 ms

Remote clock offset: 1.598 ms

# Below is generated by plot.py at 2017-08-22 01:03:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.05 Mbit/s

95th percentile per-packet one-way delay: 39.837 ms

Loss rate: 0.31%

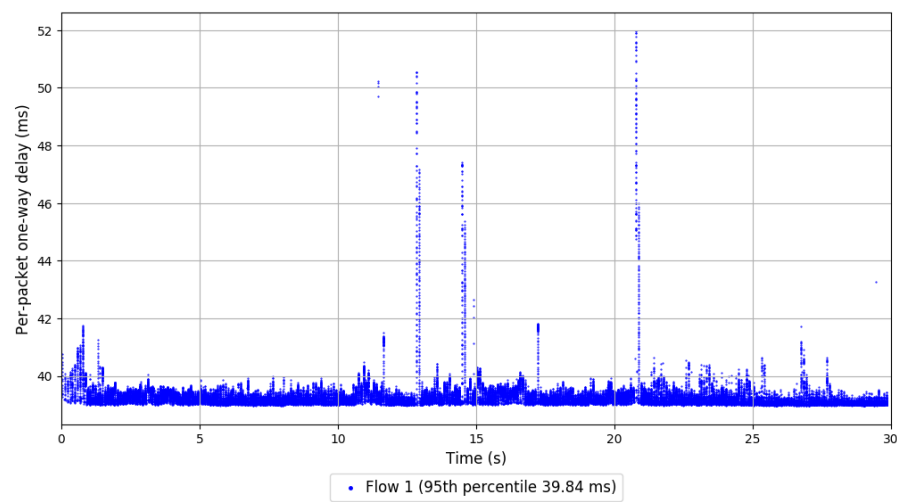
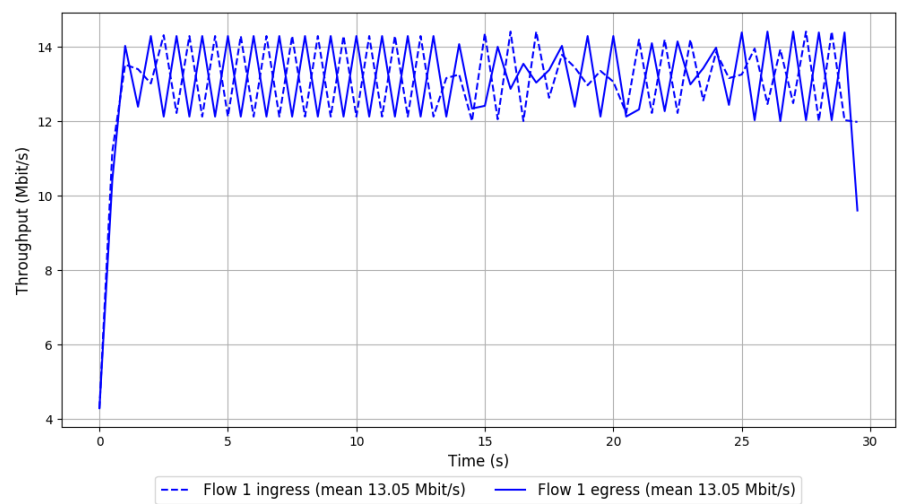
-- Flow 1:

Average throughput: 13.05 Mbit/s

95th percentile per-packet one-way delay: 39.837 ms

Loss rate: 0.31%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: 2017-08-21 19:20:21

End at: 2017-08-21 19:20:51

Local clock offset: 0.319 ms

Remote clock offset: -0.59 ms

# Below is generated by plot.py at 2017-08-22 01:03:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.11 Mbit/s

95th percentile per-packet one-way delay: 42.422 ms

Loss rate: 0.33%

-- Flow 1:

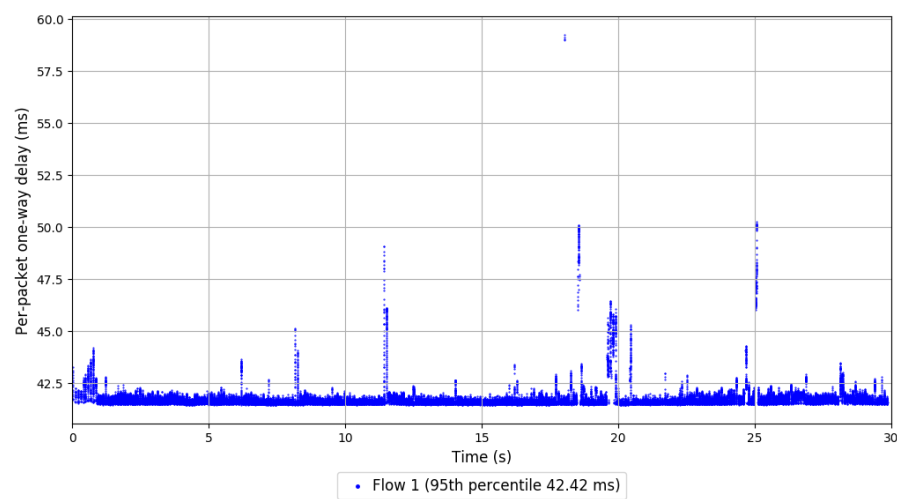
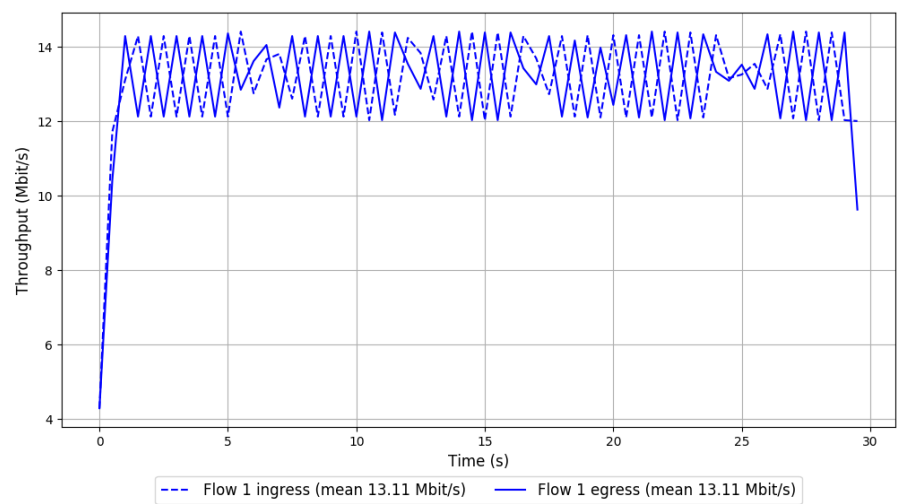
Average throughput: 13.11 Mbit/s

95th percentile per-packet one-way delay: 42.422 ms

Loss rate: 0.33%



Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: 2017-08-21 19:40:55

End at: 2017-08-21 19:41:25

Local clock offset: 0.282 ms

Remote clock offset: 1.365 ms

# Below is generated by plot.py at 2017-08-22 01:03:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.07 Mbit/s

95th percentile per-packet one-way delay: 40.464 ms

Loss rate: 0.31%

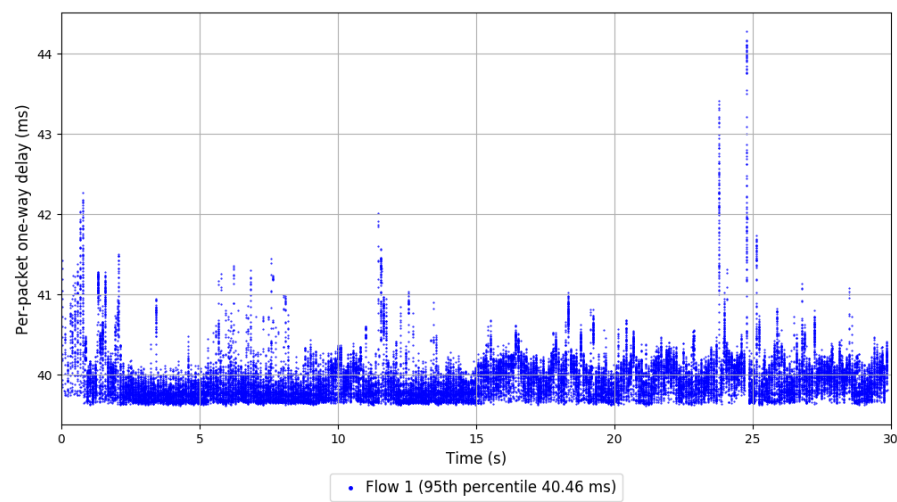
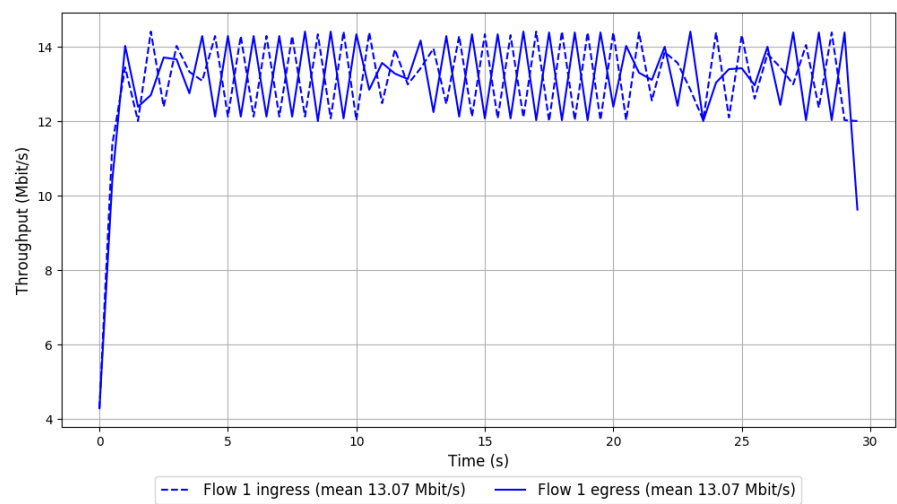
-- Flow 1:

Average throughput: 13.07 Mbit/s

95th percentile per-packet one-way delay: 40.464 ms

Loss rate: 0.31%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: 2017-08-21 20:01:20

End at: 2017-08-21 20:01:50

Local clock offset: 0.183 ms

Remote clock offset: 1.413 ms

# Below is generated by plot.py at 2017-08-22 01:03:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 40.277 ms

Loss rate: 0.31%

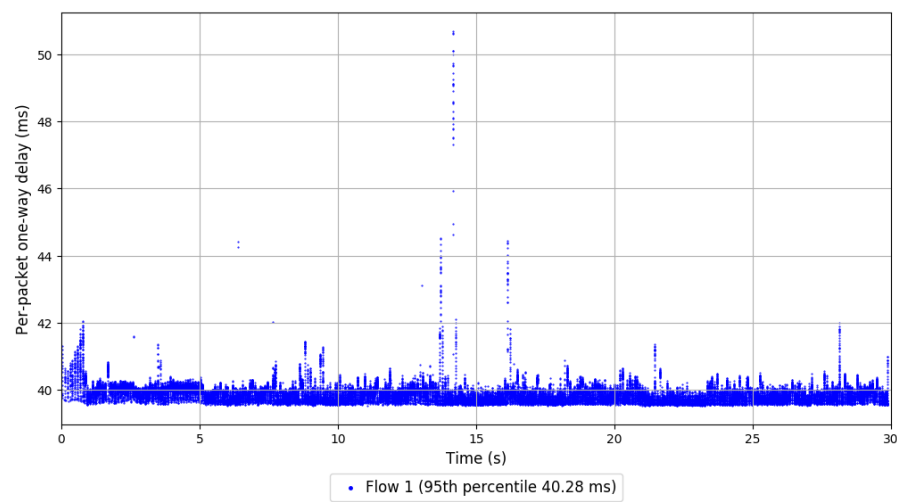
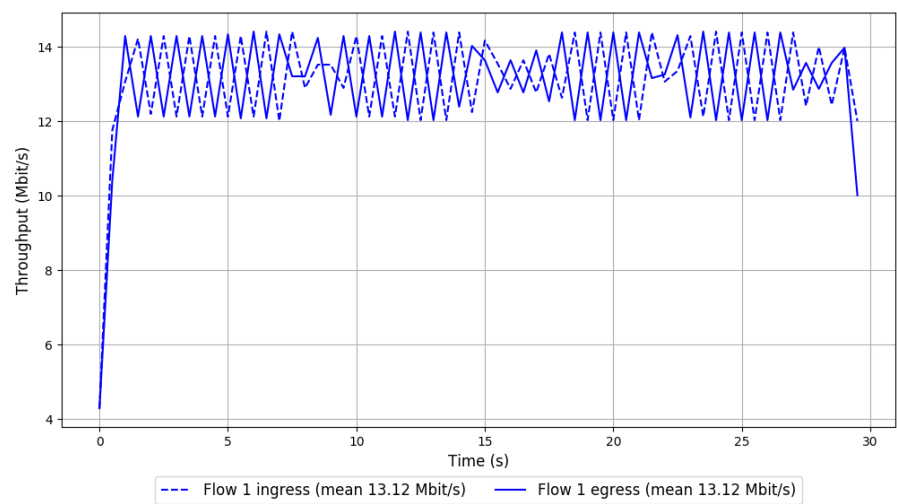
-- Flow 1:

Average throughput: 13.12 Mbit/s

95th percentile per-packet one-way delay: 40.277 ms

Loss rate: 0.31%

Run 7: Report of KohoCC — Data Link

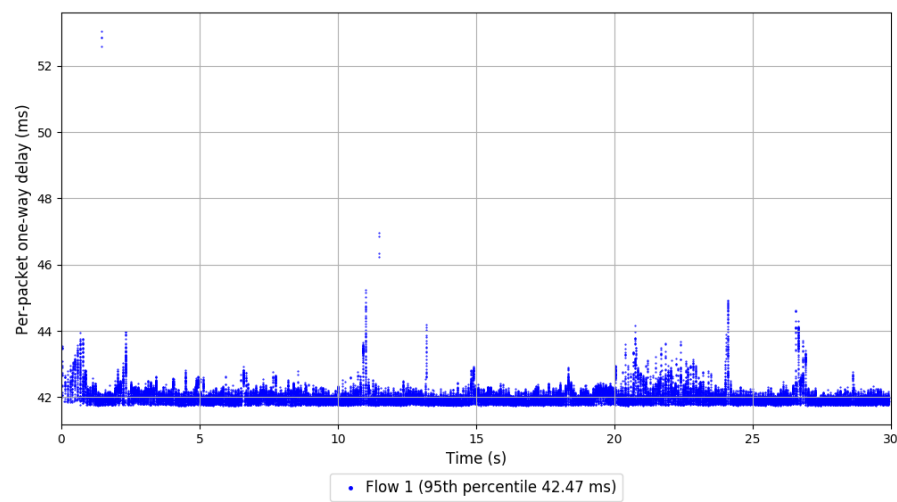
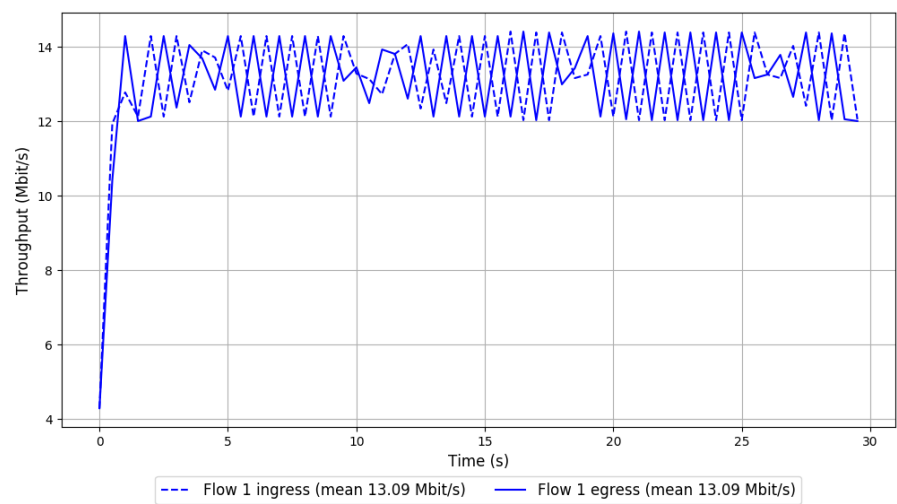


Run 8: Statistics of KohoCC

Start at: 2017-08-21 20:21:40  
End at: 2017-08-21 20:22:10  
Local clock offset: -0.035 ms  
Remote clock offset: -0.704 ms

# Below is generated by plot.py at 2017-08-22 01:03:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.09 Mbit/s  
95th percentile per-packet one-way delay: 42.474 ms  
Loss rate: 0.31%  
-- Flow 1:  
Average throughput: 13.09 Mbit/s  
95th percentile per-packet one-way delay: 42.474 ms  
Loss rate: 0.31%

Run 8: Report of KohoCC — Data Link



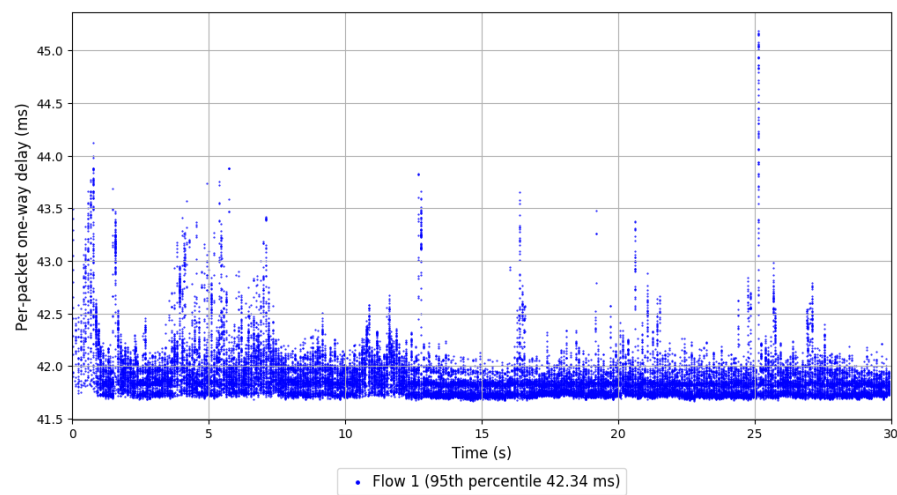
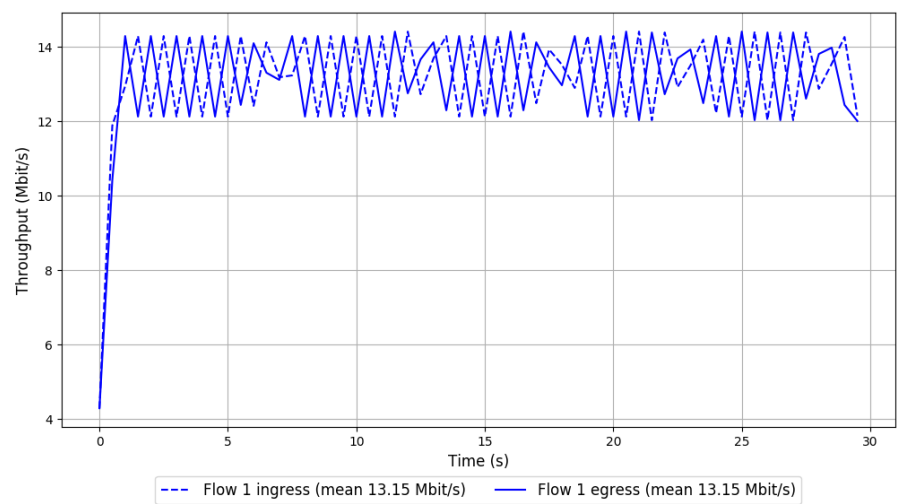
Run 9: Statistics of KohoCC

Start at: 2017-08-21 20:41:57  
End at: 2017-08-21 20:42:27  
Local clock offset: 0.024 ms  
Remote clock offset: -0.586 ms

# Below is generated by plot.py at 2017-08-22 01:03:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.15 Mbit/s  
95th percentile per-packet one-way delay: 42.336 ms  
Loss rate: 0.30%  
-- Flow 1:  
Average throughput: 13.15 Mbit/s  
95th percentile per-packet one-way delay: 42.336 ms  
Loss rate: 0.30%



Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: 2017-08-21 21:02:10

End at: 2017-08-21 21:02:40

Local clock offset: 0.114 ms

Remote clock offset: -5.475 ms

# Below is generated by plot.py at 2017-08-22 01:03:14

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.31 Mbit/s

95th percentile per-packet one-way delay: 47.835 ms

Loss rate: 0.35%

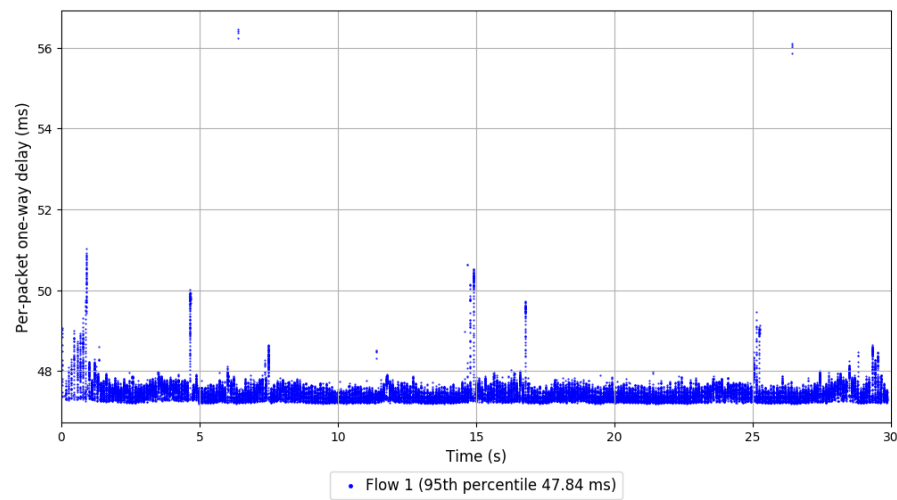
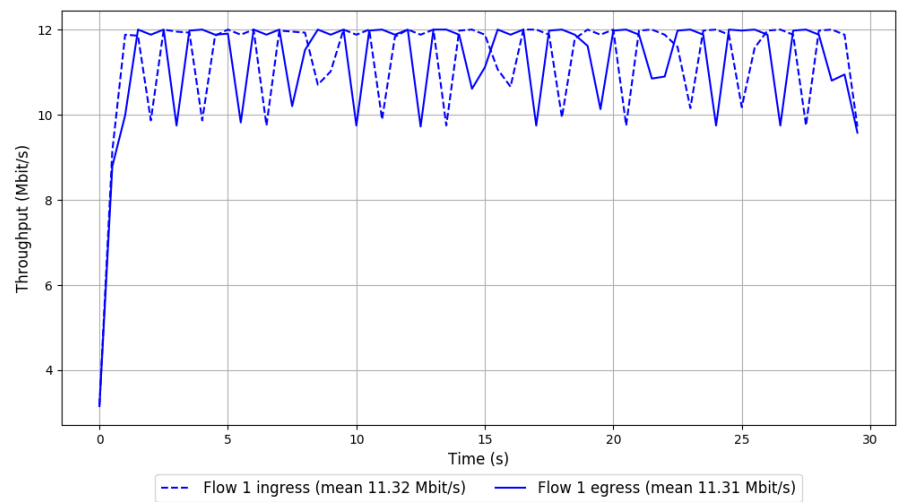
-- Flow 1:

Average throughput: 11.31 Mbit/s

95th percentile per-packet one-way delay: 47.835 ms

Loss rate: 0.35%

Run 10: Report of KohoCC — Data Link

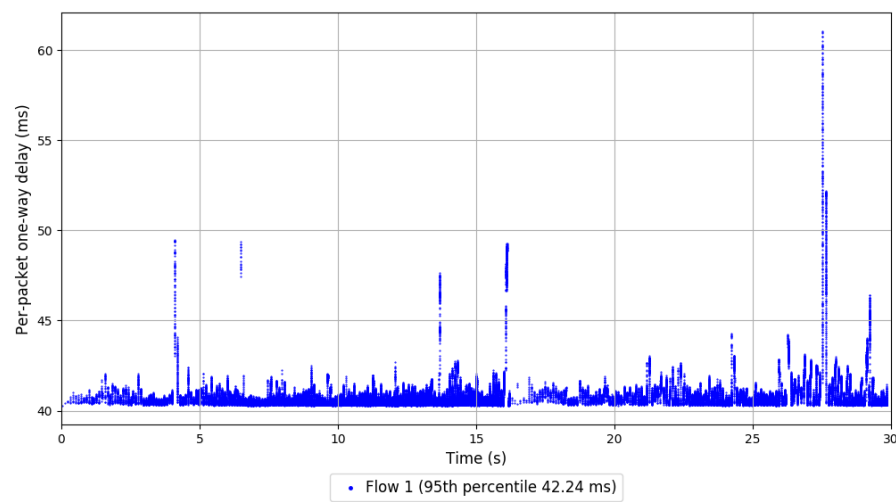
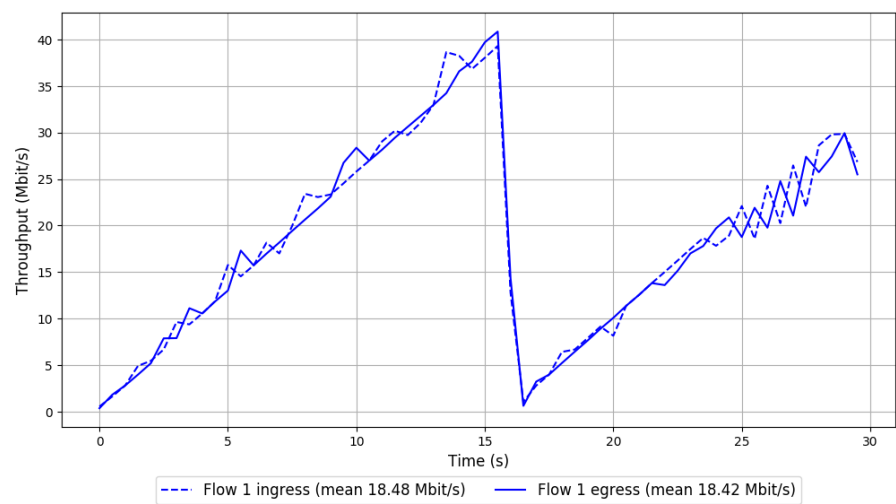


```
Run 1: Statistics of LEDBAT

Start at: 2017-08-21 18:04:18
End at: 2017-08-21 18:04:48
Local clock offset: 0.459 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2017-08-22 01:03:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.42 Mbit/s
95th percentile per-packet one-way delay: 42.238 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 18.42 Mbit/s
95th percentile per-packet one-way delay: 42.238 ms
Loss rate: 0.64%
```

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: 2017-08-21 18:24:35

End at: 2017-08-21 18:25:05

Local clock offset: 0.333 ms

Remote clock offset: 0.426 ms

# Below is generated by plot.py at 2017-08-22 01:03:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 17.12 Mbit/s

95th percentile per-packet one-way delay: 42.271 ms

Loss rate: 0.78%

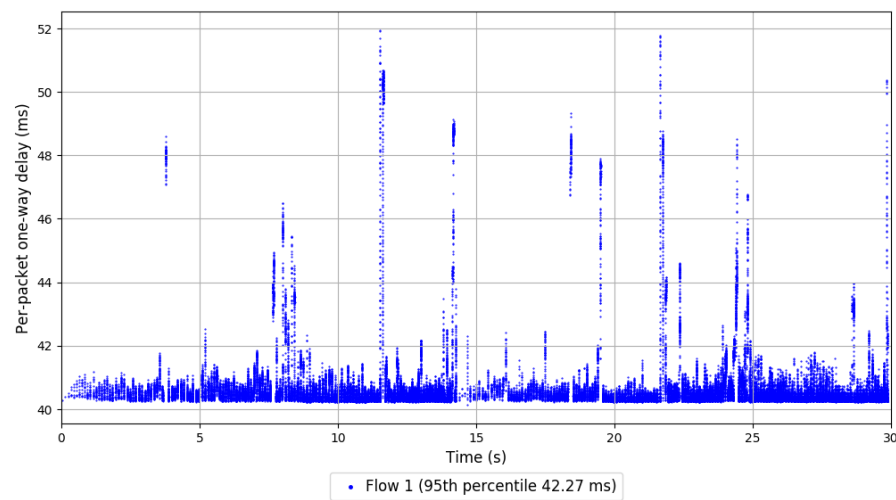
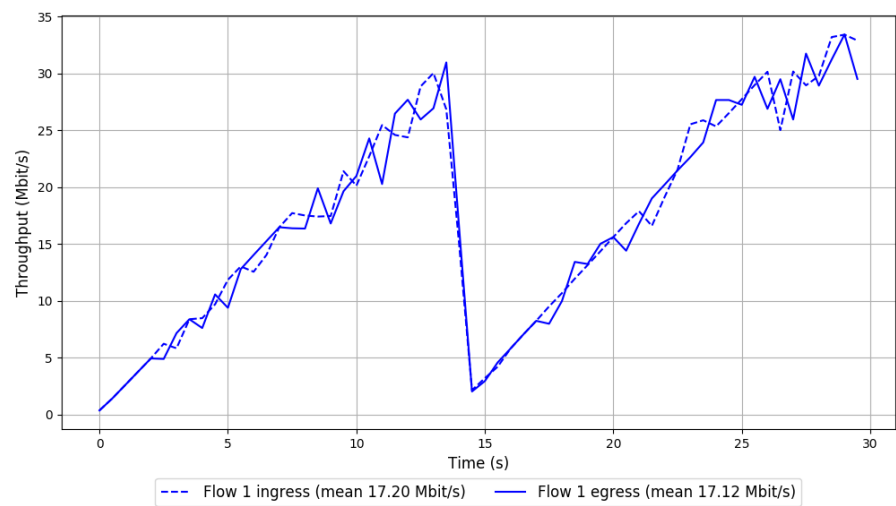
-- Flow 1:

Average throughput: 17.12 Mbit/s

95th percentile per-packet one-way delay: 42.271 ms

Loss rate: 0.78%

Run 2: Report of LEDBAT — Data Link



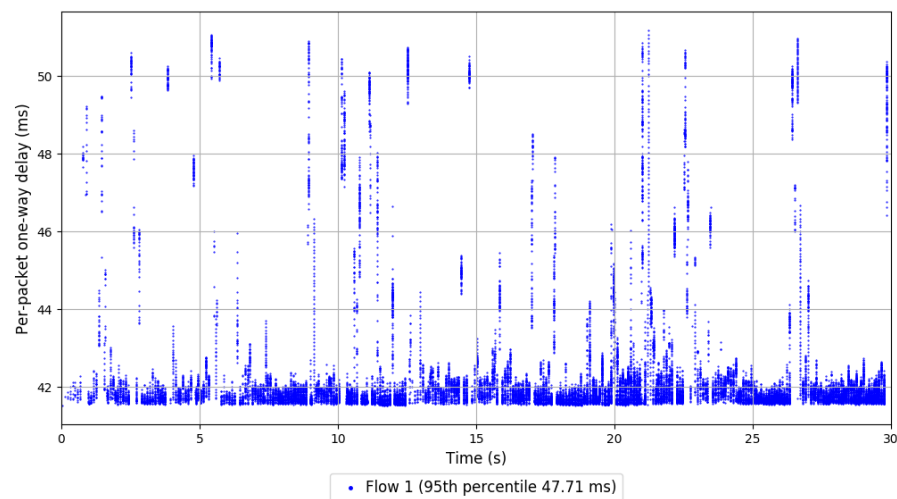
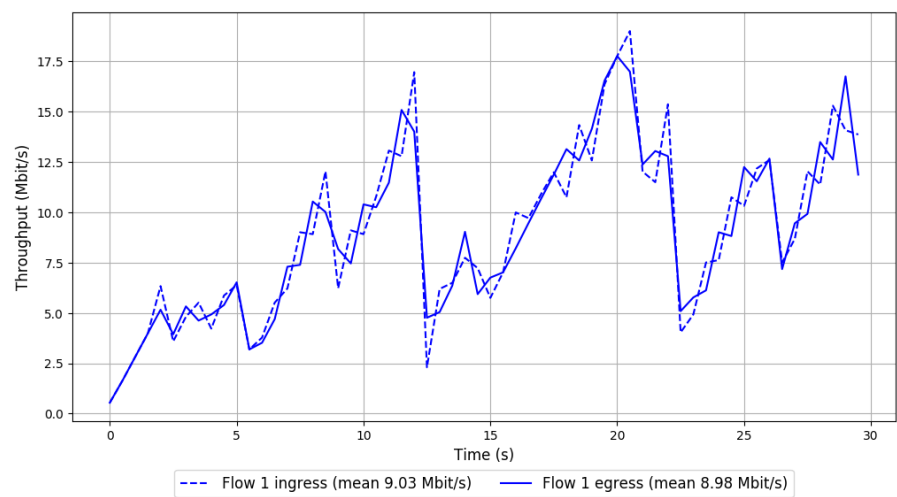
Run 3: Statistics of LEDBAT

Start at: 2017-08-21 18:44:39  
End at: 2017-08-21 18:45:09  
Local clock offset: 0.41 ms  
Remote clock offset: -1.028 ms

# Below is generated by plot.py at 2017-08-22 01:03:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.98 Mbit/s  
95th percentile per-packet one-way delay: 47.710 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 8.98 Mbit/s  
95th percentile per-packet one-way delay: 47.710 ms  
Loss rate: 0.85%



Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2017-08-21 19:05:11

End at: 2017-08-21 19:05:41

Local clock offset: 0.4 ms

Remote clock offset: 1.548 ms

# Below is generated by plot.py at 2017-08-22 01:03:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 26.41 Mbit/s

95th percentile per-packet one-way delay: 41.131 ms

Loss rate: 0.13%

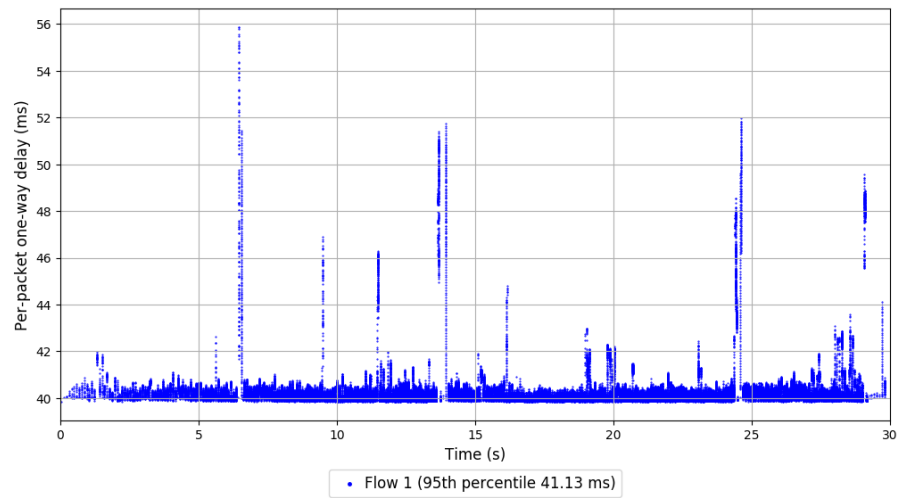
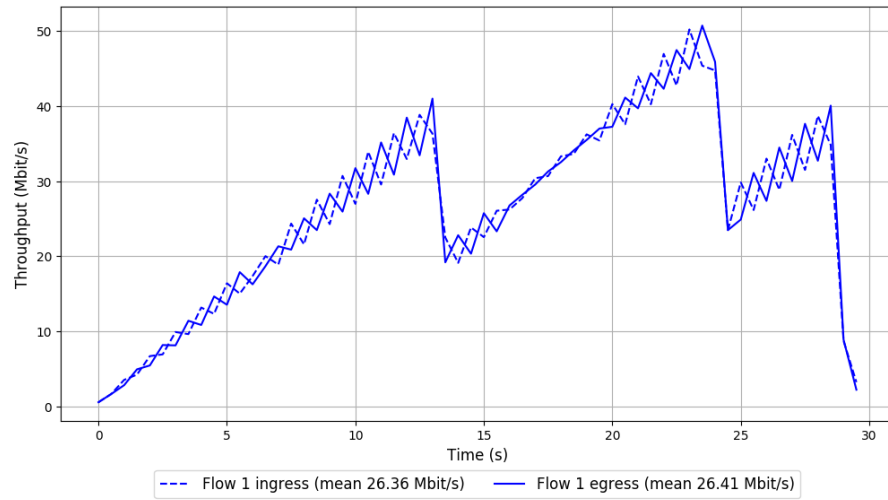
-- Flow 1:

Average throughput: 26.41 Mbit/s

95th percentile per-packet one-way delay: 41.131 ms

Loss rate: 0.13%

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



Run 5: Statistics of LEDBAT

Start at: 2017-08-21 19:25:39

End at: 2017-08-21 19:26:09

Local clock offset: 0.398 ms

Remote clock offset: 1.57 ms

# Below is generated by plot.py at 2017-08-22 01:03:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 10.85 Mbit/s

95th percentile per-packet one-way delay: 46.037 ms

Loss rate: 0.46%

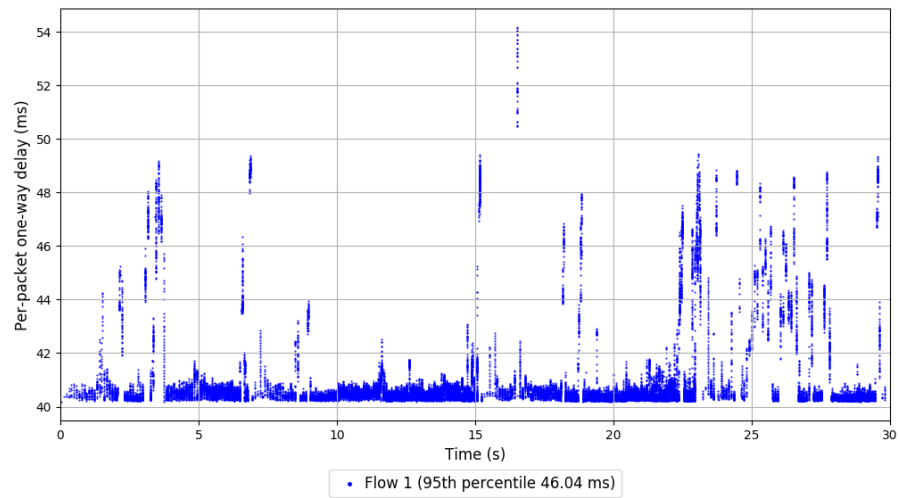
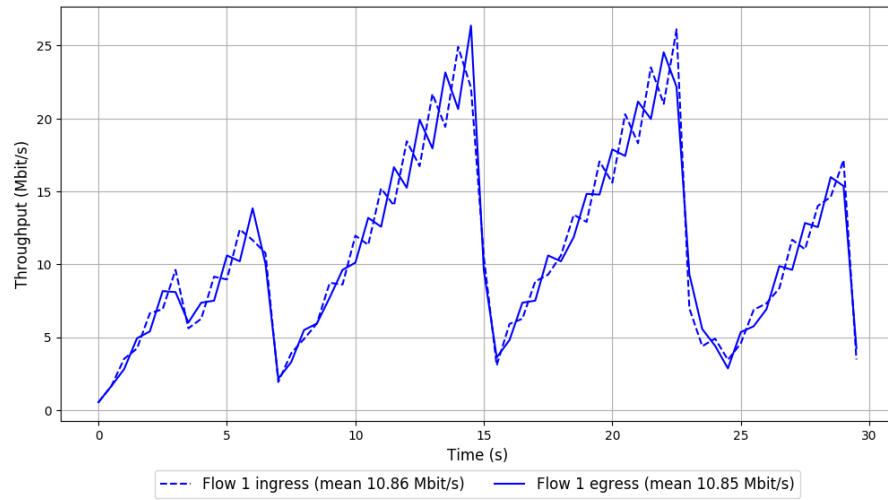
-- Flow 1:

Average throughput: 10.85 Mbit/s

95th percentile per-packet one-way delay: 46.037 ms

Loss rate: 0.46%

## Run 5: Report of LEDBAT — Data Link

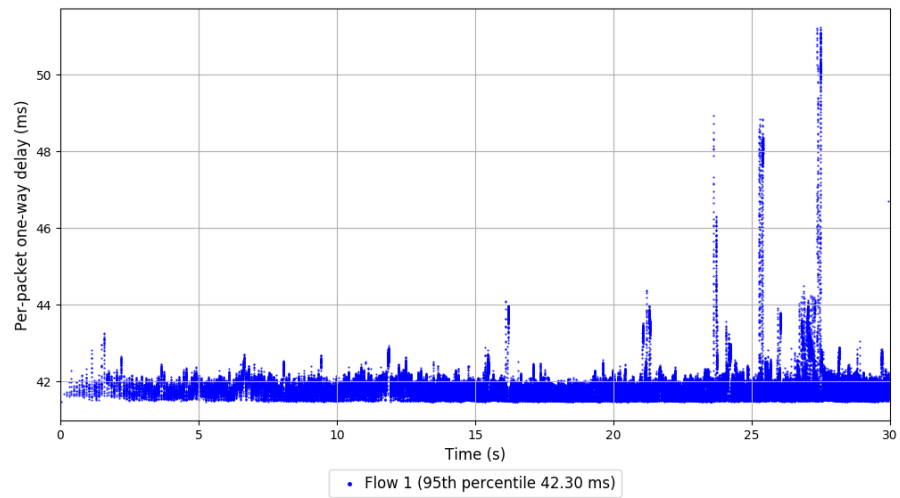
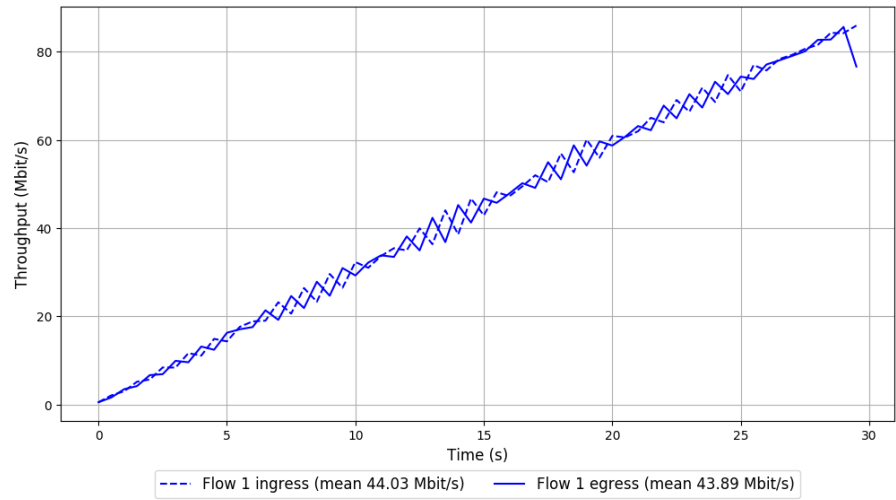


Run 6: Statistics of LEDBAT

Start at: 2017-08-21 19:46:18  
End at: 2017-08-21 19:46:49  
Local clock offset: 0.186 ms  
Remote clock offset: -0.706 ms

# Below is generated by plot.py at 2017-08-22 01:03:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 43.89 Mbit/s  
95th percentile per-packet one-way delay: 42.297 ms  
Loss rate: 0.59%  
-- Flow 1:  
Average throughput: 43.89 Mbit/s  
95th percentile per-packet one-way delay: 42.297 ms  
Loss rate: 0.59%

## Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2017-08-21 20:06:39

End at: 2017-08-21 20:07:09

Local clock offset: 0.065 ms

Remote clock offset: 1.556 ms

# Below is generated by plot.py at 2017-08-22 01:03:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 34.12 Mbit/s

95th percentile per-packet one-way delay: 41.168 ms

Loss rate: 0.30%

-- Flow 1:

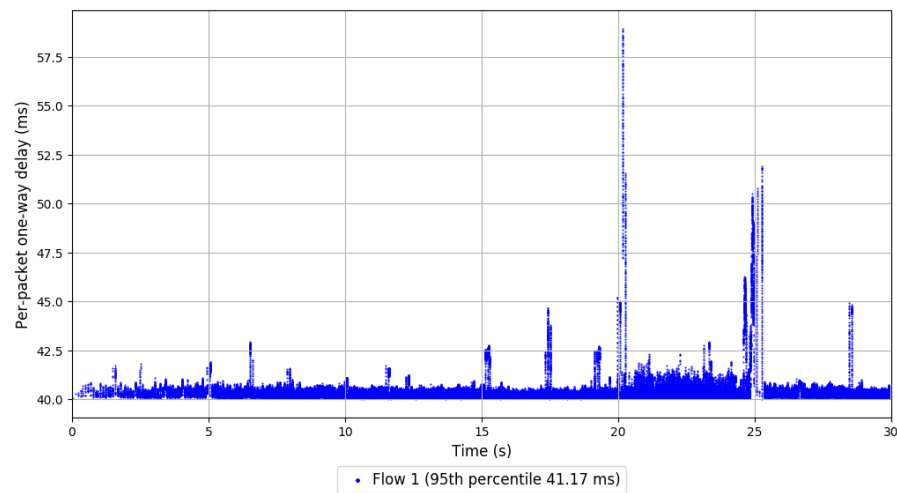
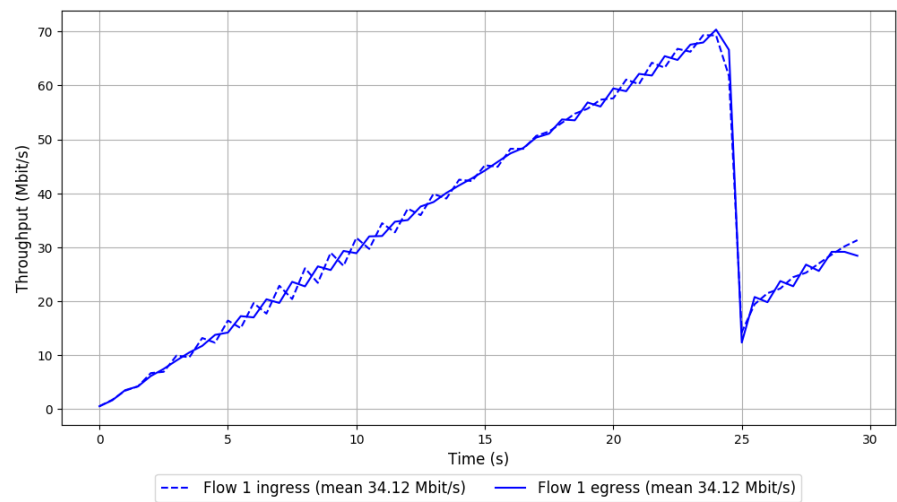
Average throughput: 34.12 Mbit/s

95th percentile per-packet one-way delay: 41.168 ms

Loss rate: 0.30%



Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2017-08-21 20:27:00

End at: 2017-08-21 20:27:30

Local clock offset: -0.017 ms

Remote clock offset: -0.55 ms

# Below is generated by plot.py at 2017-08-22 01:03:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 41.66 Mbit/s

95th percentile per-packet one-way delay: 42.965 ms

Loss rate: 0.11%

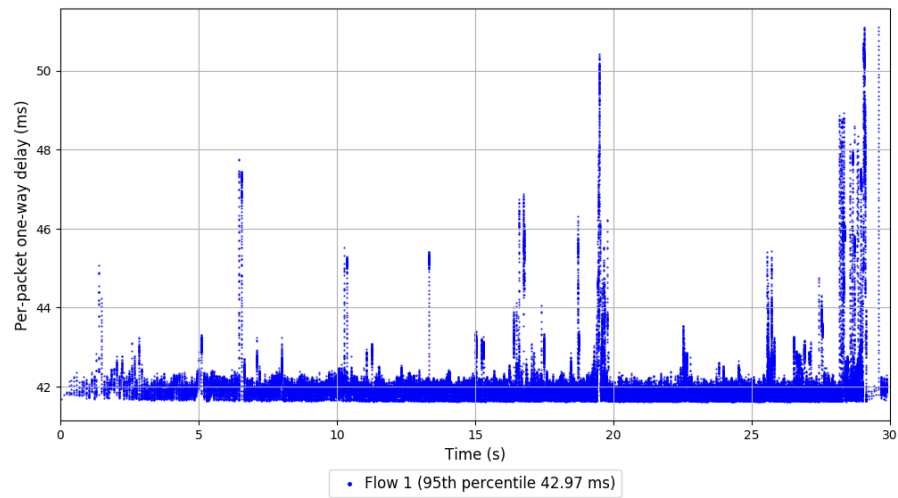
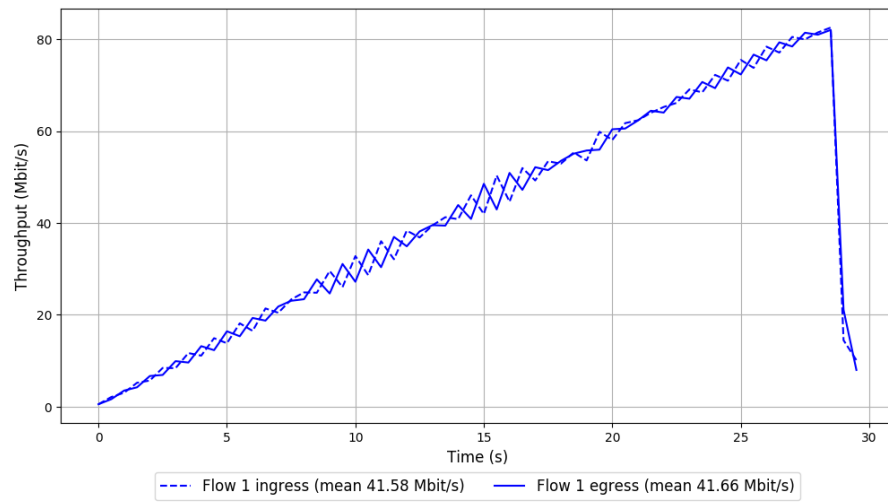
-- Flow 1:

Average throughput: 41.66 Mbit/s

95th percentile per-packet one-way delay: 42.965 ms

Loss rate: 0.11%

# Run 8: Report of LEDBAT — Data Link

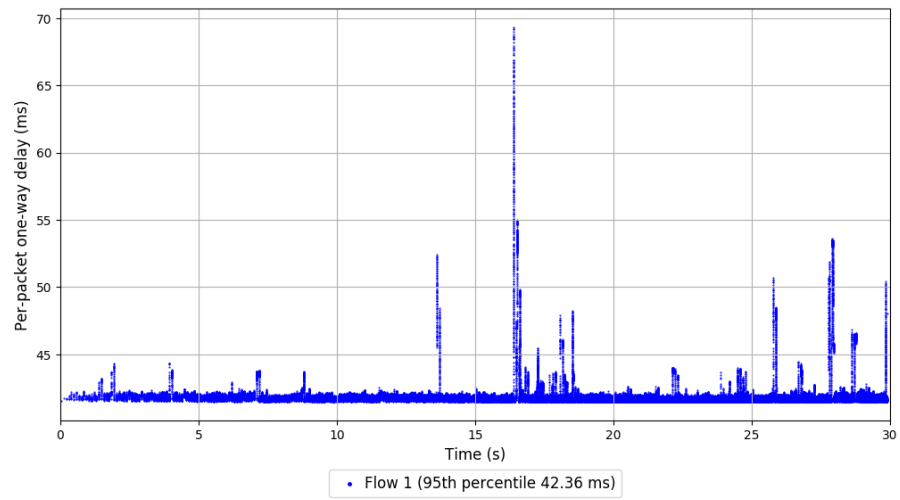
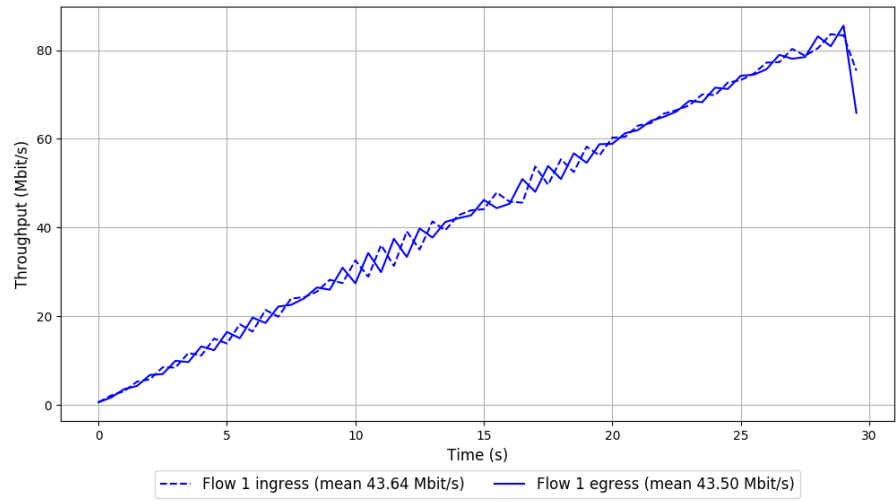


Run 9: Statistics of LEDBAT

Start at: 2017-08-21 20:47:16  
End at: 2017-08-21 20:47:46  
Local clock offset: -0.072 ms  
Remote clock offset: -0.503 ms

# Below is generated by plot.py at 2017-08-22 01:03:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 43.50 Mbit/s  
95th percentile per-packet one-way delay: 42.363 ms  
Loss rate: 0.59%  
-- Flow 1:  
Average throughput: 43.50 Mbit/s  
95th percentile per-packet one-way delay: 42.363 ms  
Loss rate: 0.59%

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

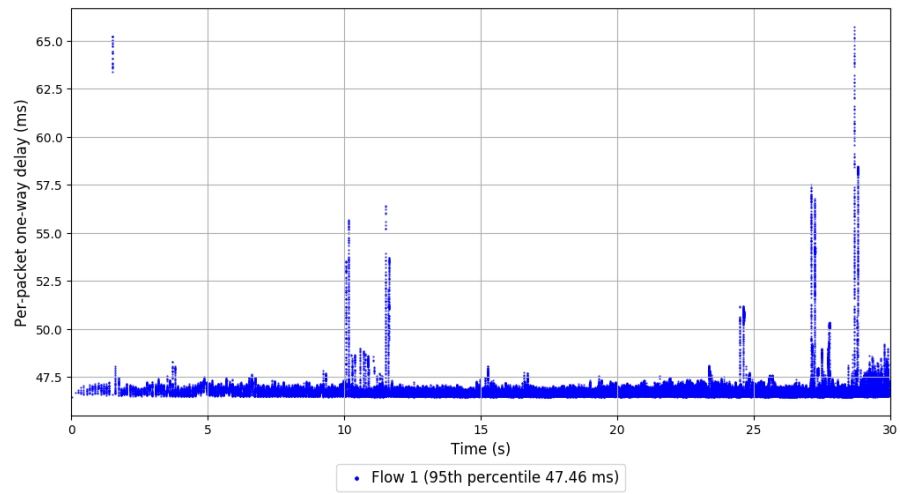
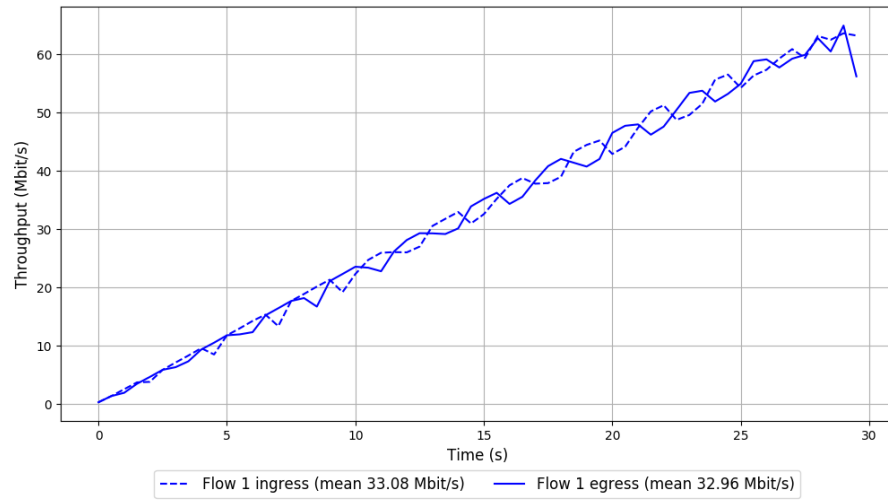


Run 10: Statistics of LEDBAT

Start at: 2017-08-21 21:07:31  
End at: 2017-08-21 21:08:01  
Local clock offset: 0.091 ms  
Remote clock offset: -5.605 ms

# Below is generated by plot.py at 2017-08-22 01:03:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 32.96 Mbit/s  
95th percentile per-packet one-way delay: 47.459 ms  
Loss rate: 0.69%  
-- Flow 1:  
Average throughput: 32.96 Mbit/s  
95th percentile per-packet one-way delay: 47.459 ms  
Loss rate: 0.69%

### Run 10: Report of LEDBAT — Data Link



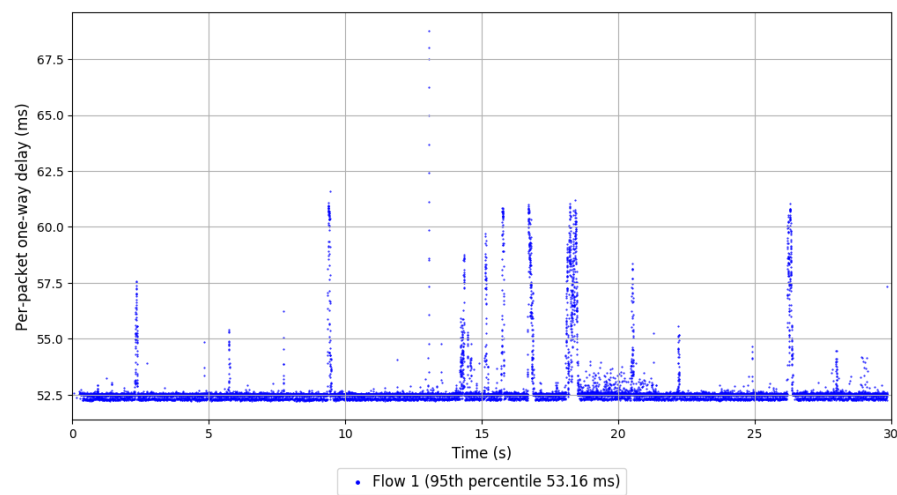
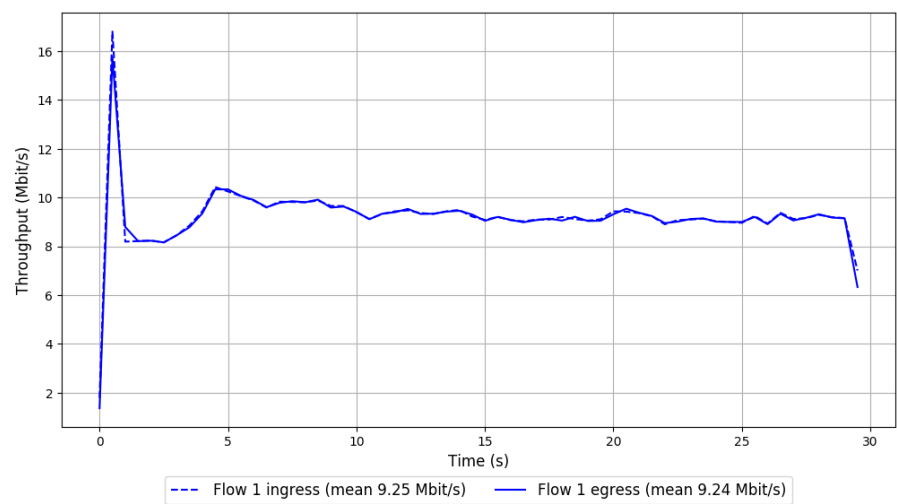
```
Run 1: Statistics of PCC

Start at: 2017-08-21 18:01:42
End at: 2017-08-21 18:02:12
Local clock offset: 0.46 ms
Remote clock offset: -13.04 ms

# Below is generated by plot.py at 2017-08-22 01:03:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 53.163 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 9.24 Mbit/s
95th percentile per-packet one-way delay: 53.163 ms
Loss rate: 0.35%
```



Run 1: Report of PCC — Data Link

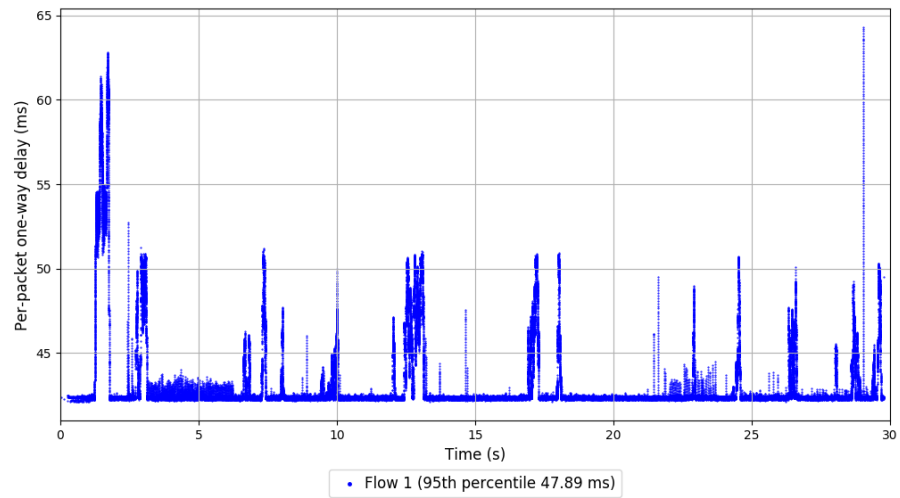
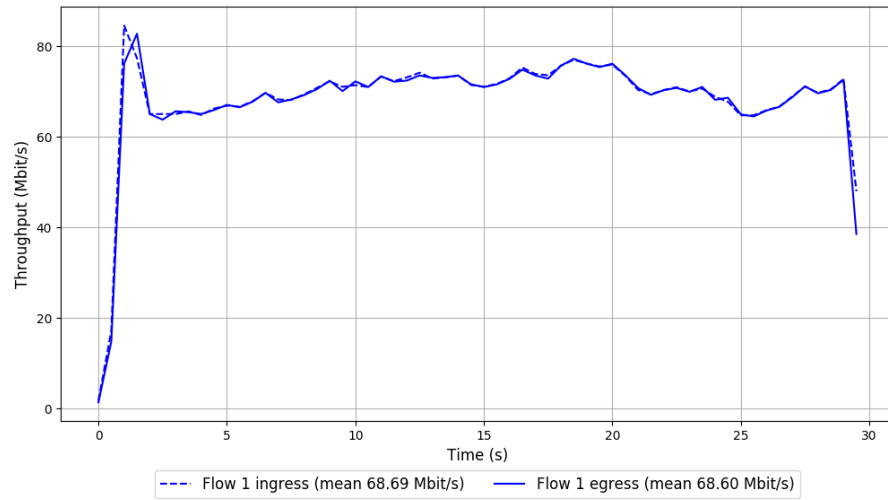


Run 2: Statistics of PCC

Start at: 2017-08-21 18:21:57  
End at: 2017-08-21 18:22:27  
Local clock offset: 0.343 ms  
Remote clock offset: -1.703 ms

# Below is generated by plot.py at 2017-08-22 01:03:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.60 Mbit/s  
95th percentile per-packet one-way delay: 47.886 ms  
Loss rate: 0.48%  
-- Flow 1:  
Average throughput: 68.60 Mbit/s  
95th percentile per-packet one-way delay: 47.886 ms  
Loss rate: 0.48%

## Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-08-21 18:42:00

End at: 2017-08-21 18:42:30

Local clock offset: 0.357 ms

Remote clock offset: 0.801 ms

# Below is generated by plot.py at 2017-08-22 01:03:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 68.64 Mbit/s

95th percentile per-packet one-way delay: 47.689 ms

Loss rate: 0.57%

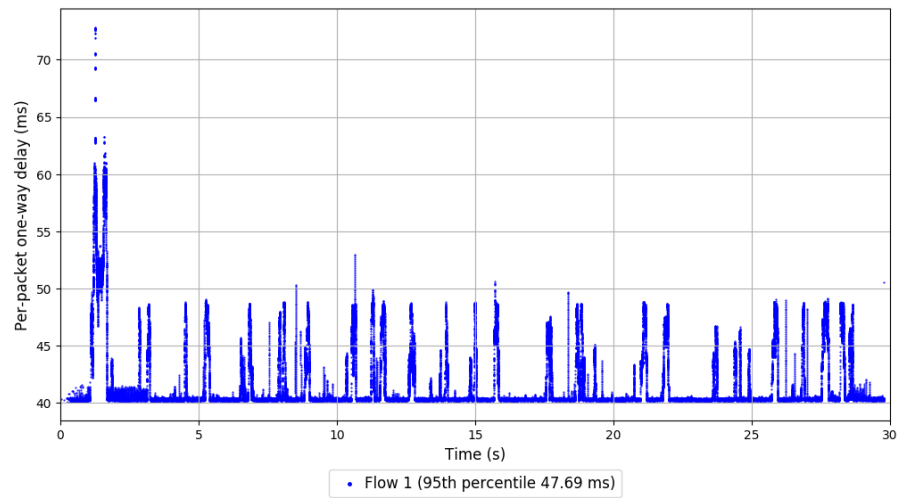
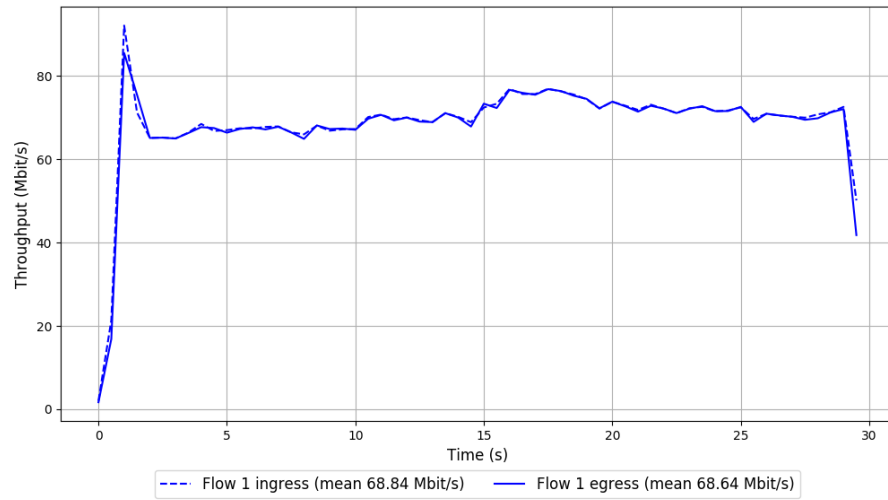
-- Flow 1:

Average throughput: 68.64 Mbit/s

95th percentile per-packet one-way delay: 47.689 ms

Loss rate: 0.57%

### Run 3: Report of PCC — Data Link

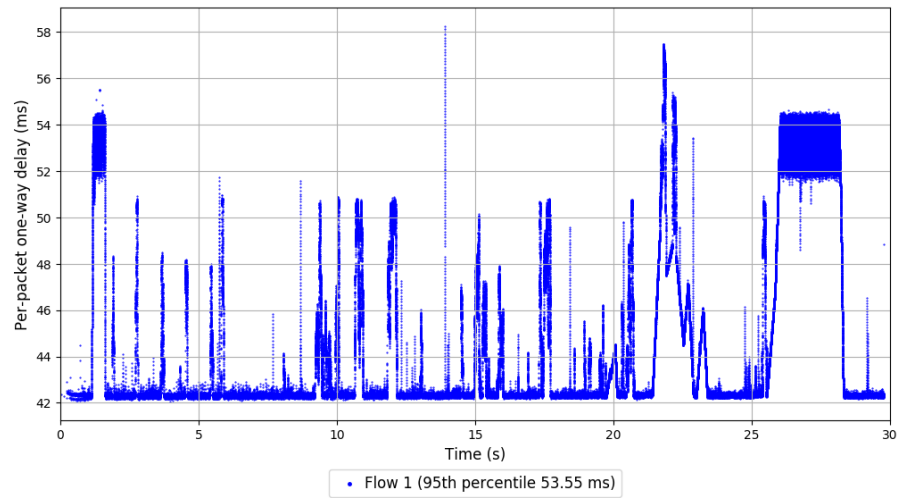
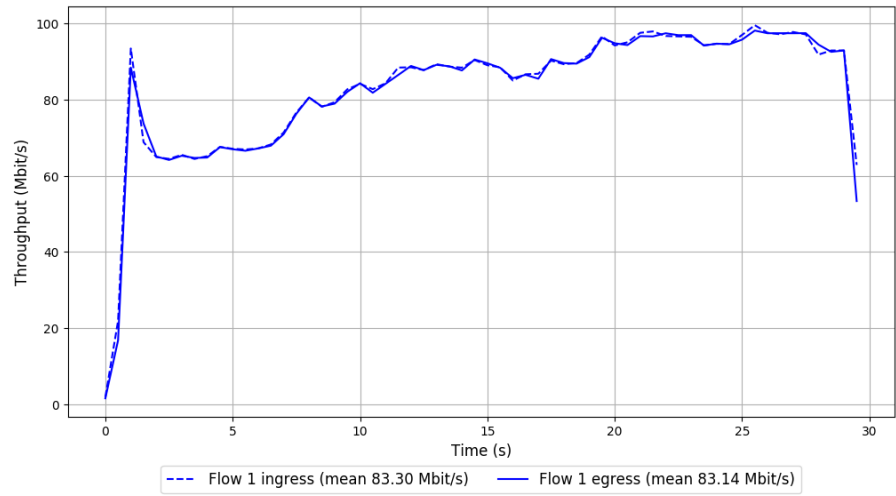


Run 4: Statistics of PCC

Start at: 2017-08-21 19:02:21  
End at: 2017-08-21 19:02:51  
Local clock offset: 0.317 ms  
Remote clock offset: -1.044 ms

# Below is generated by plot.py at 2017-08-22 01:03:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.14 Mbit/s  
95th percentile per-packet one-way delay: 53.554 ms  
Loss rate: 0.47%  
-- Flow 1:  
Average throughput: 83.14 Mbit/s  
95th percentile per-packet one-way delay: 53.554 ms  
Loss rate: 0.47%

#### Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2017-08-21 19:23:01

End at: 2017-08-21 19:23:31

Local clock offset: 0.447 ms

Remote clock offset: 1.43 ms

# Below is generated by plot.py at 2017-08-22 01:04:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.12 Mbit/s

95th percentile per-packet one-way delay: 50.621 ms

Loss rate: 0.45%

-- Flow 1:

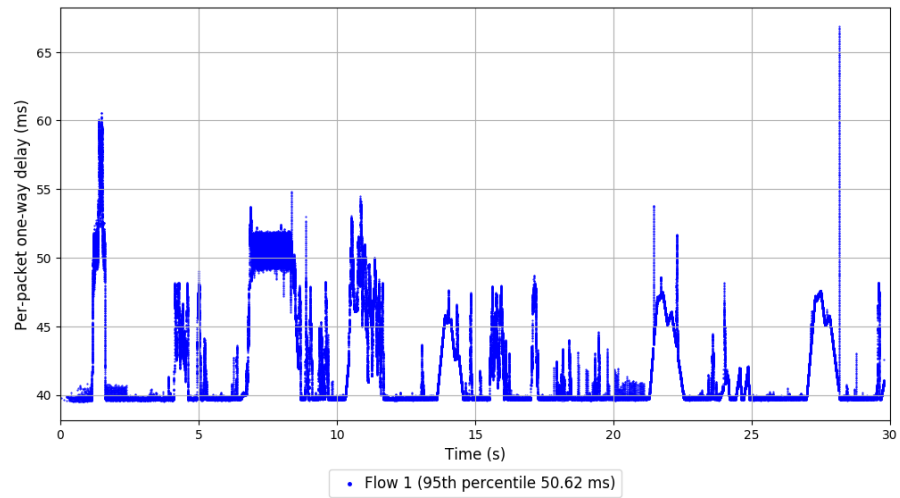
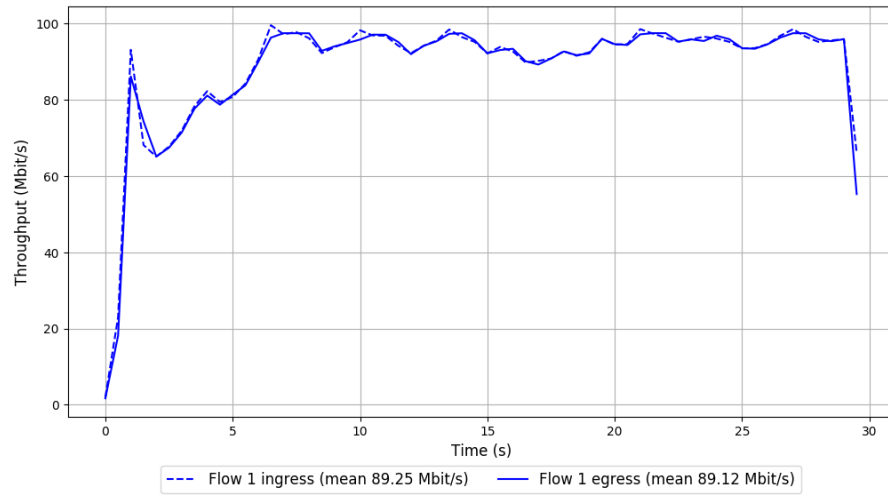
Average throughput: 89.12 Mbit/s

95th percentile per-packet one-way delay: 50.621 ms

Loss rate: 0.45%



### Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2017-08-21 19:43:37

End at: 2017-08-21 19:44:07

Local clock offset: 0.177 ms

Remote clock offset: 1.388 ms

# Below is generated by plot.py at 2017-08-22 01:04:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.03 Mbit/s

95th percentile per-packet one-way delay: 46.115 ms

Loss rate: 0.45%

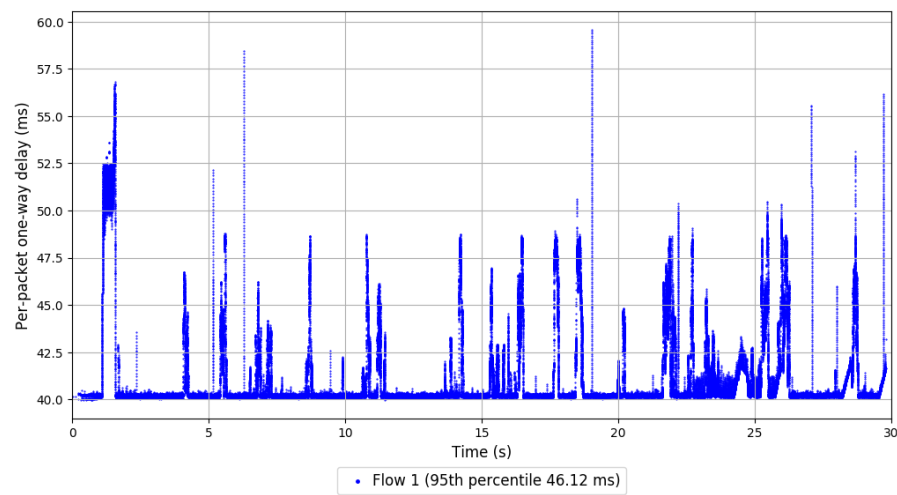
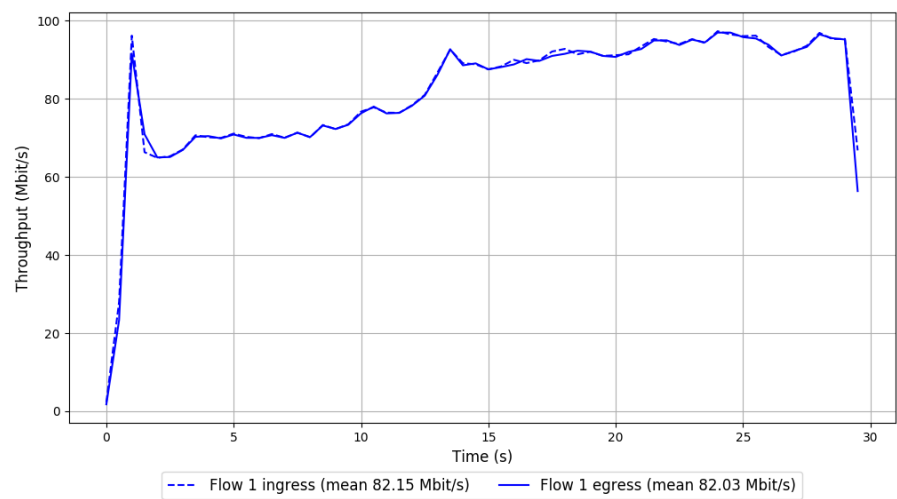
-- Flow 1:

Average throughput: 82.03 Mbit/s

95th percentile per-packet one-way delay: 46.115 ms

Loss rate: 0.45%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2017-08-21 20:04:00

End at: 2017-08-21 20:04:30

Local clock offset: 0.138 ms

Remote clock offset: 1.749 ms

# Below is generated by plot.py at 2017-08-22 01:04:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.32 Mbit/s

95th percentile per-packet one-way delay: 45.216 ms

Loss rate: 0.33%

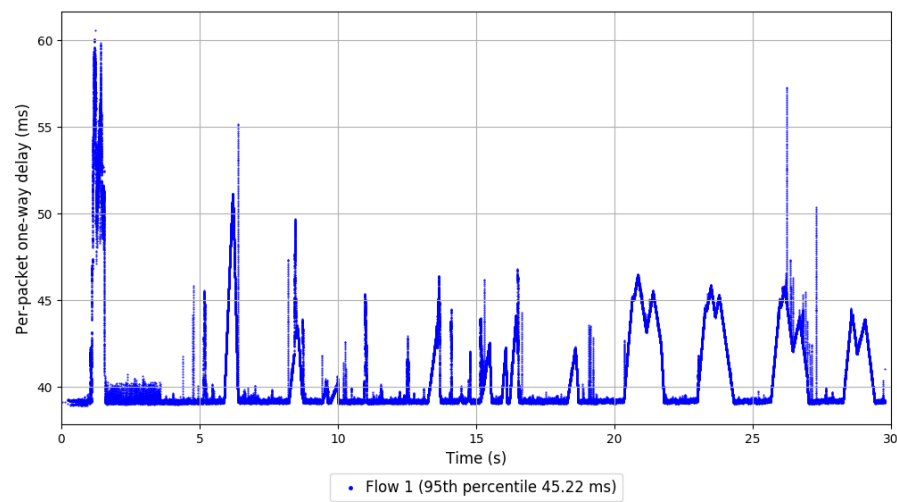
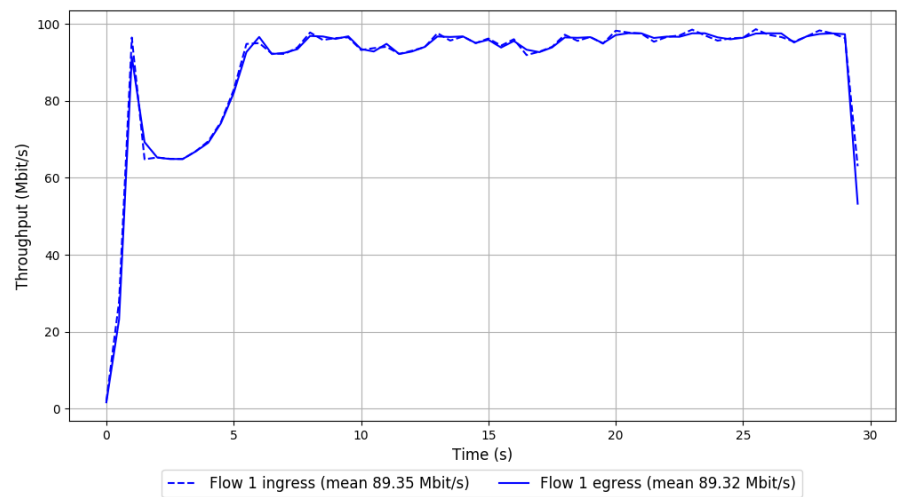
-- Flow 1:

Average throughput: 89.32 Mbit/s

95th percentile per-packet one-way delay: 45.216 ms

Loss rate: 0.33%

Run 7: Report of PCC — Data Link

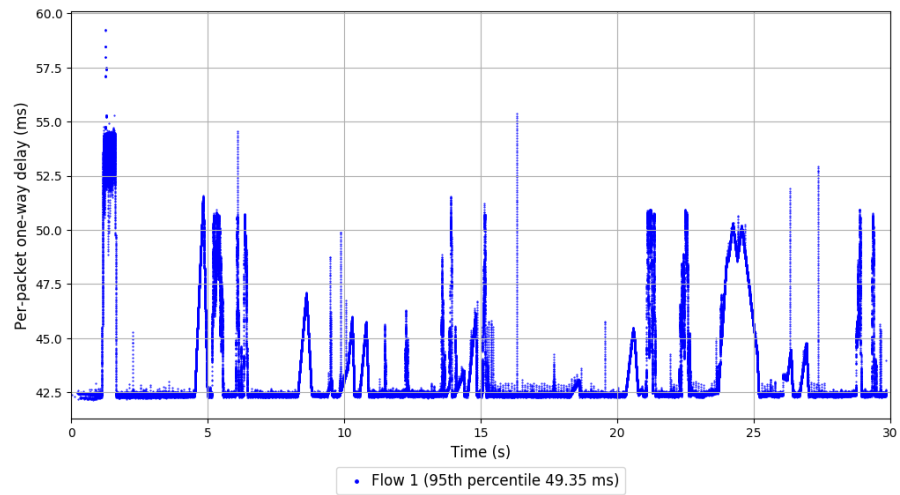
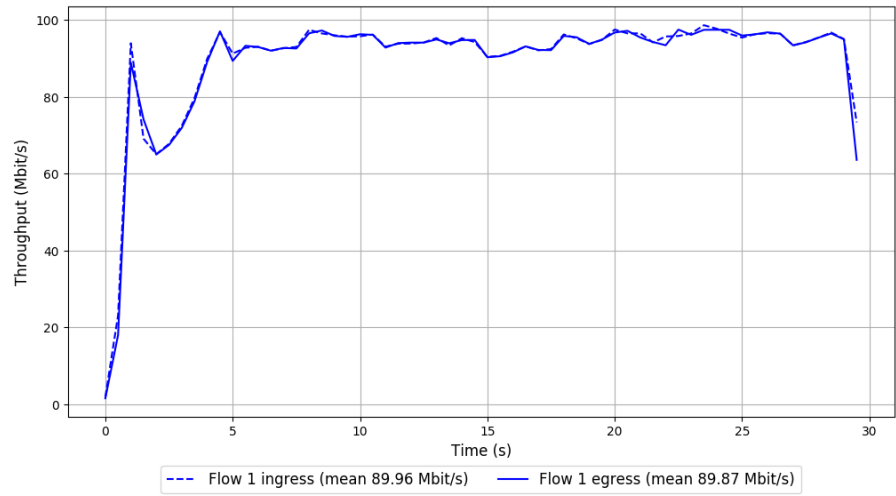


Run 8: Statistics of PCC

Start at: 2017-08-21 20:24:20  
End at: 2017-08-21 20:24:50  
Local clock offset: -0.041 ms  
Remote clock offset: -0.603 ms

# Below is generated by plot.py at 2017-08-22 01:04:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.87 Mbit/s  
95th percentile per-packet one-way delay: 49.350 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 89.87 Mbit/s  
95th percentile per-packet one-way delay: 49.350 ms  
Loss rate: 0.40%

## Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-08-21 20:44:36

End at: 2017-08-21 20:45:06

Local clock offset: -0.052 ms

Remote clock offset: 1.449 ms

# Below is generated by plot.py at 2017-08-22 01:04:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.70 Mbit/s

95th percentile per-packet one-way delay: 45.186 ms

Loss rate: 0.35%

-- Flow 1:

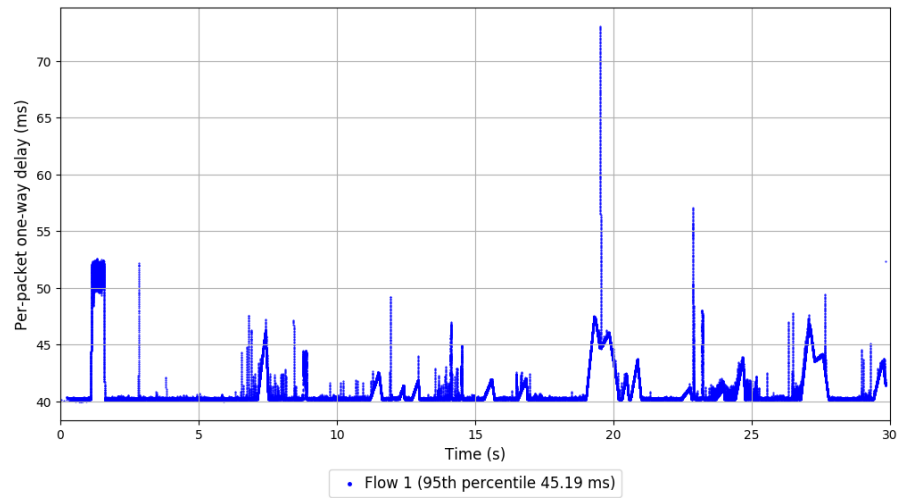
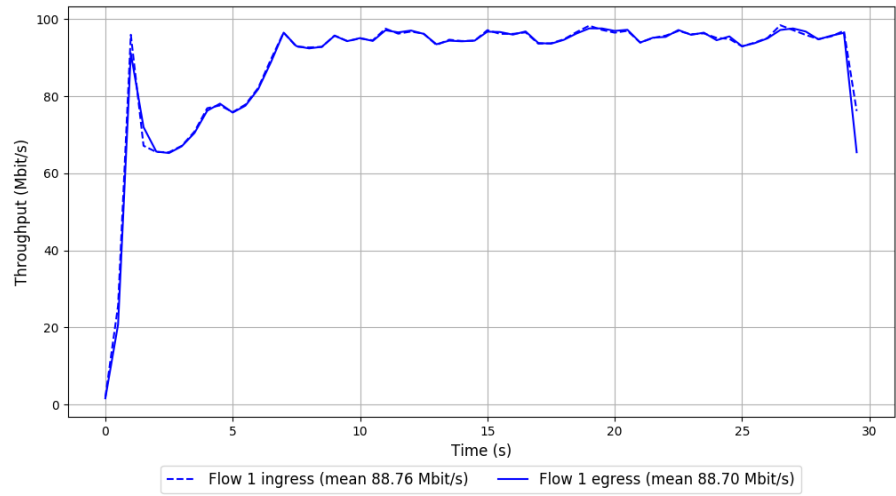
Average throughput: 88.70 Mbit/s

95th percentile per-packet one-way delay: 45.186 ms

Loss rate: 0.35%



### Run 9: Report of PCC — Data Link

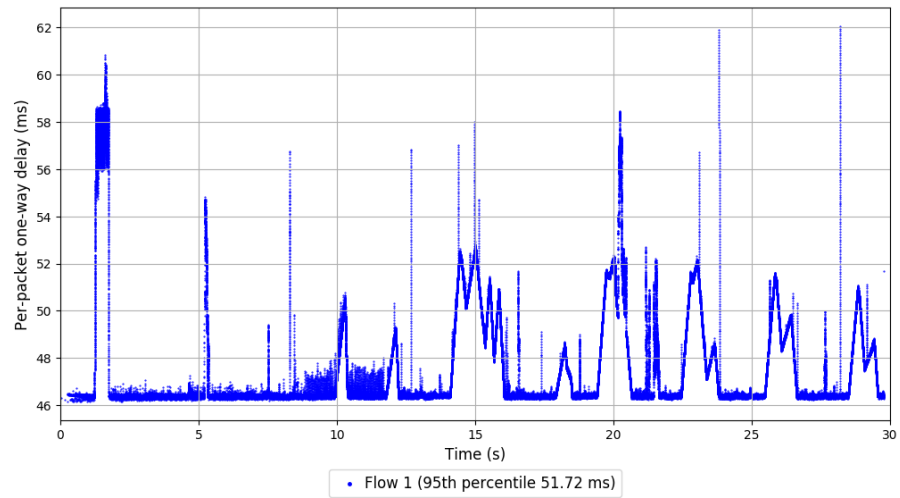
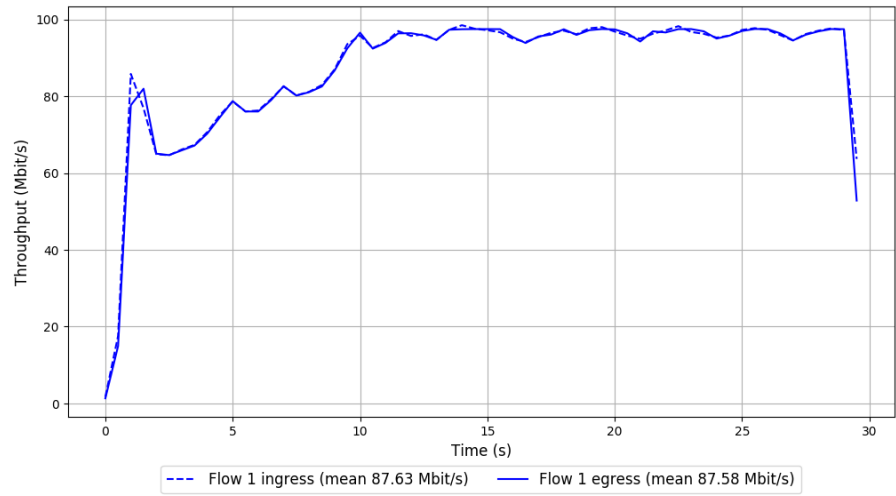


Run 10: Statistics of PCC

Start at: 2017-08-21 21:04:51  
End at: 2017-08-21 21:05:21  
Local clock offset: 0.082 ms  
Remote clock offset: -5.478 ms

# Below is generated by plot.py at 2017-08-22 01:04:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.58 Mbit/s  
95th percentile per-packet one-way delay: 51.718 ms  
Loss rate: 0.39%  
-- Flow 1:  
Average throughput: 87.58 Mbit/s  
95th percentile per-packet one-way delay: 51.718 ms  
Loss rate: 0.39%

# Run 10: Report of PCC — Data Link

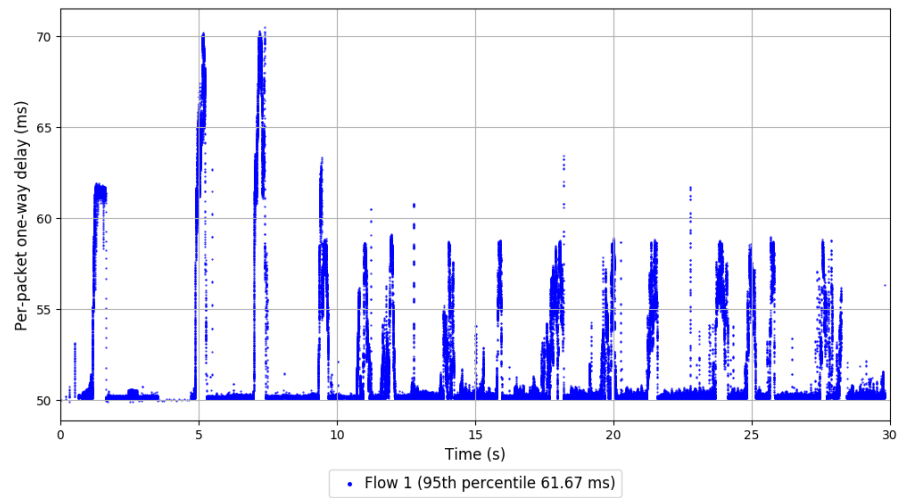
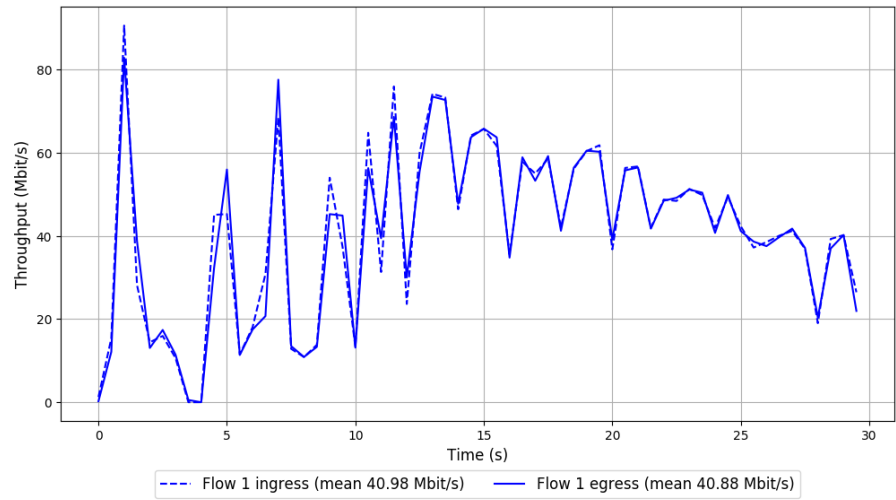


Run 1: Statistics of QUIC Cubic

Start at: 2017-08-21 18:00:16  
End at: 2017-08-21 18:00:47  
Local clock offset: 0.447 ms  
Remote clock offset: -10.704 ms

# Below is generated by plot.py at 2017-08-22 01:04:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 40.88 Mbit/s  
95th percentile per-packet one-way delay: 61.670 ms  
Loss rate: 0.65%  
-- Flow 1:  
Average throughput: 40.88 Mbit/s  
95th percentile per-packet one-way delay: 61.670 ms  
Loss rate: 0.65%

# Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-08-21 18:20:36

End at: 2017-08-21 18:21:06

Local clock offset: 0.348 ms

Remote clock offset: 0.345 ms

# Below is generated by plot.py at 2017-08-22 01:04:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 46.18 Mbit/s

95th percentile per-packet one-way delay: 50.152 ms

Loss rate: 0.46%

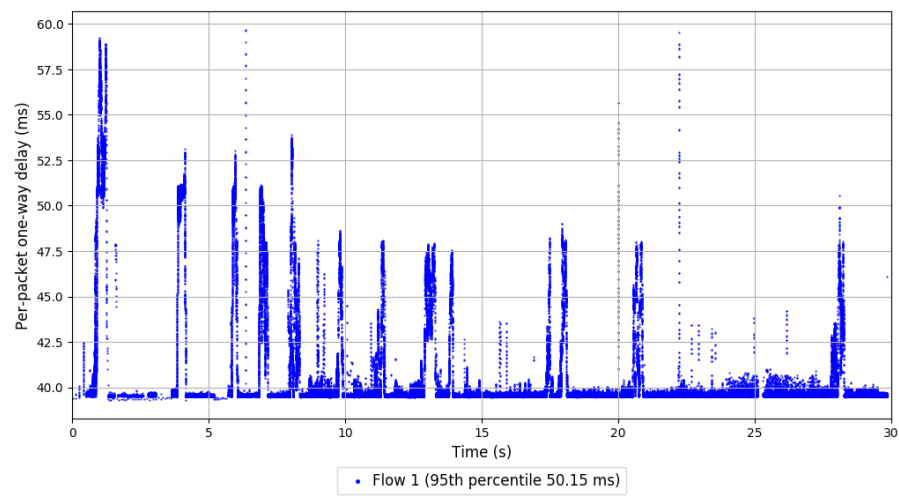
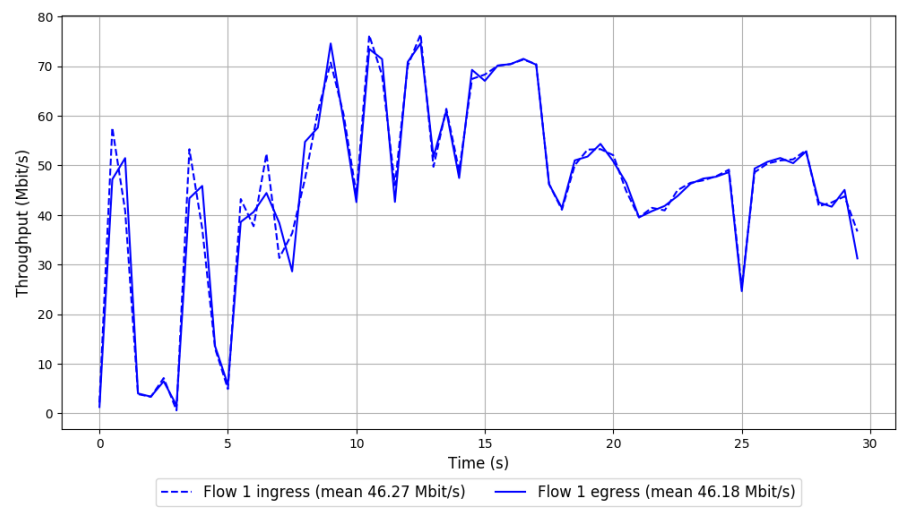
-- Flow 1:

Average throughput: 46.18 Mbit/s

95th percentile per-packet one-way delay: 50.152 ms

Loss rate: 0.46%

Run 2: Report of QUIC Cubic — Data Link



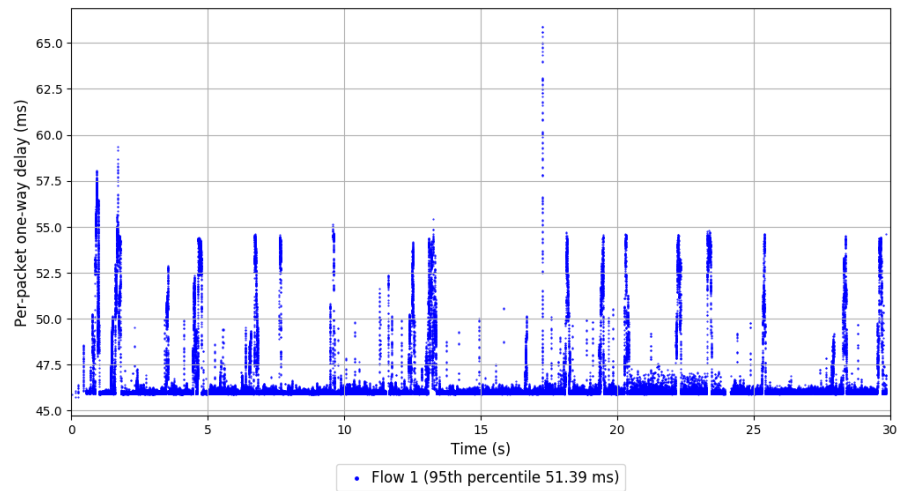
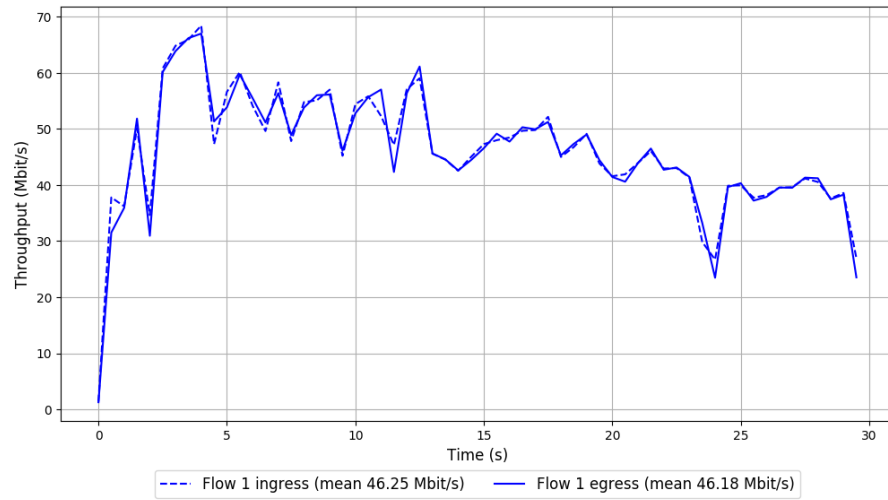
Run 3: Statistics of QUIC Cubic

Start at: 2017-08-21 18:40:39  
End at: 2017-08-21 18:41:10  
Local clock offset: 0.462 ms  
Remote clock offset: -4.692 ms

# Below is generated by plot.py at 2017-08-22 01:04:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.18 Mbit/s  
95th percentile per-packet one-way delay: 51.388 ms  
Loss rate: 0.48%  
-- Flow 1:  
Average throughput: 46.18 Mbit/s  
95th percentile per-packet one-way delay: 51.388 ms  
Loss rate: 0.48%



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



Run 4: Statistics of QUIC Cubic

Start at: 2017-08-21 19:00:57

End at: 2017-08-21 19:01:27

Local clock offset: 0.338 ms

Remote clock offset: 1.126 ms

# Below is generated by plot.py at 2017-08-22 01:04:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.82 Mbit/s

95th percentile per-packet one-way delay: 50.878 ms

Loss rate: 0.45%

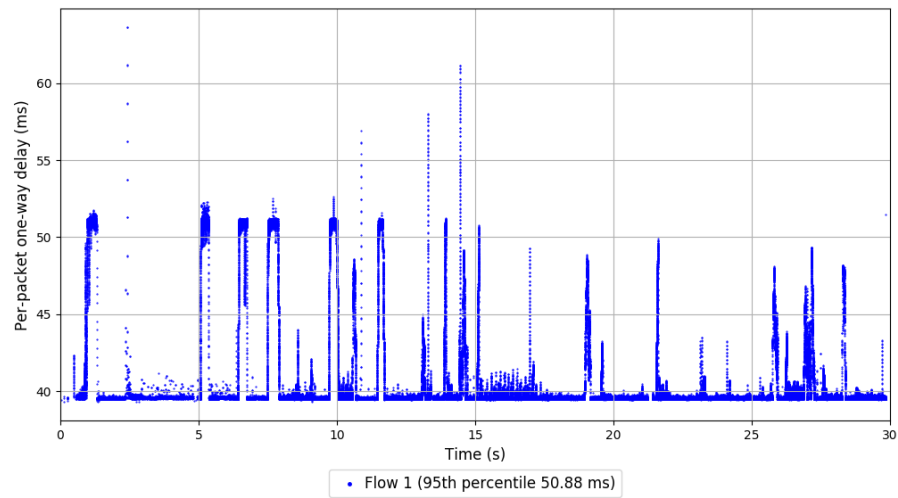
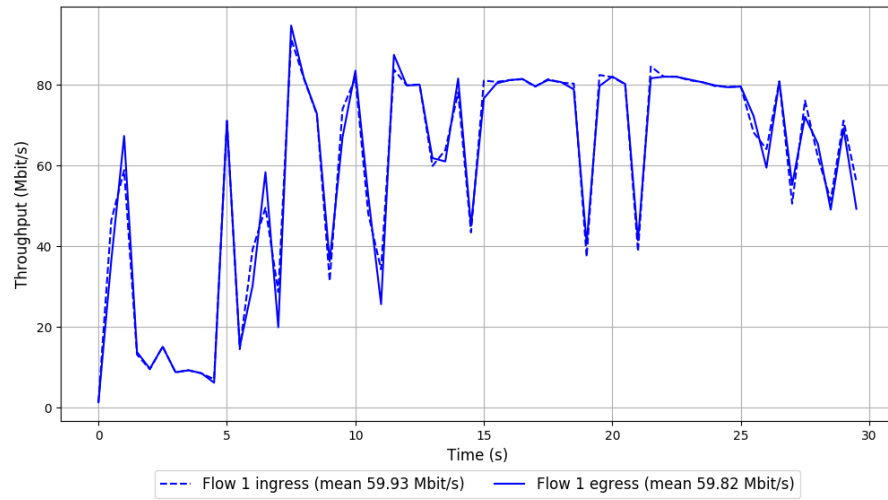
-- Flow 1:

Average throughput: 59.82 Mbit/s

95th percentile per-packet one-way delay: 50.878 ms

Loss rate: 0.45%

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



Run 5: Statistics of QUIC Cubic

Start at: 2017-08-21 19:21:39

End at: 2017-08-21 19:22:09

Local clock offset: 0.418 ms

Remote clock offset: -0.56 ms

# Below is generated by plot.py at 2017-08-22 01:04:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 66.77 Mbit/s

95th percentile per-packet one-way delay: 47.643 ms

Loss rate: 0.40%

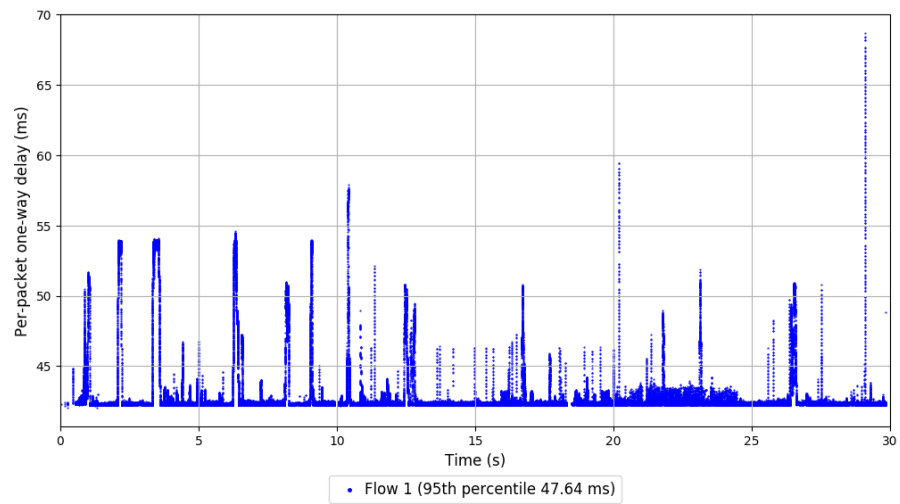
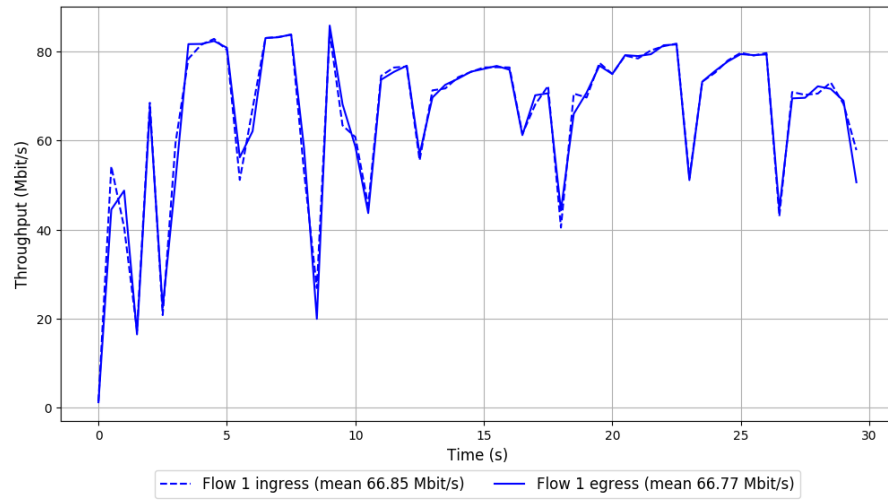
-- Flow 1:

Average throughput: 66.77 Mbit/s

95th percentile per-packet one-way delay: 47.643 ms

Loss rate: 0.40%

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



Run 6: Statistics of QUIC Cubic

Start at: 2017-08-21 19:42:14

End at: 2017-08-21 19:42:44

Local clock offset: 0.283 ms

Remote clock offset: 1.976 ms

# Below is generated by plot.py at 2017-08-22 01:04:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 56.73 Mbit/s

95th percentile per-packet one-way delay: 50.151 ms

Loss rate: 0.43%

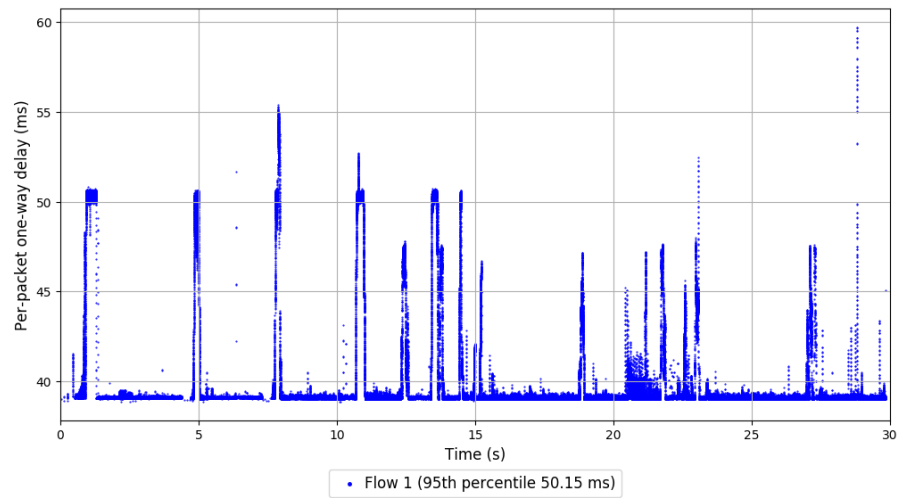
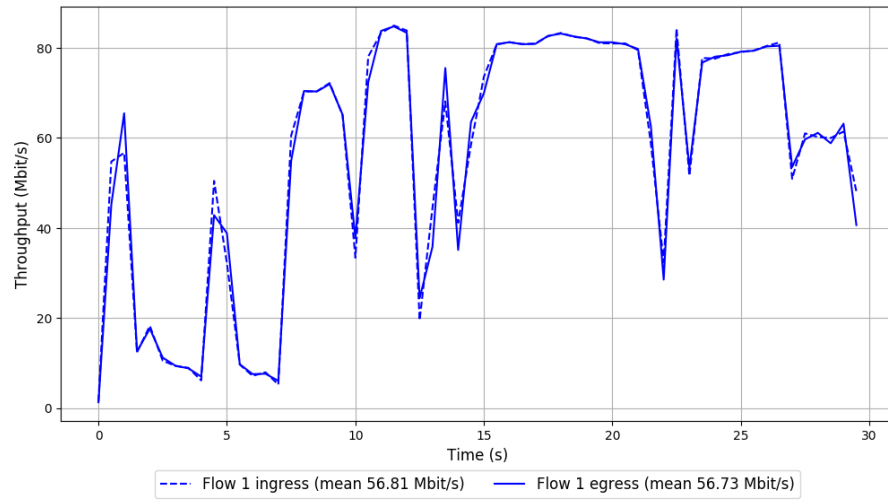
-- Flow 1:

Average throughput: 56.73 Mbit/s

95th percentile per-packet one-way delay: 50.151 ms

Loss rate: 0.43%

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



Run 7: Statistics of QUIC Cubic

Start at: 2017-08-21 20:02:39

End at: 2017-08-21 20:03:09

Local clock offset: 0.09 ms

Remote clock offset: -0.67 ms

# Below is generated by plot.py at 2017-08-22 01:04:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.50 Mbit/s

95th percentile per-packet one-way delay: 53.843 ms

Loss rate: 0.49%

-- Flow 1:

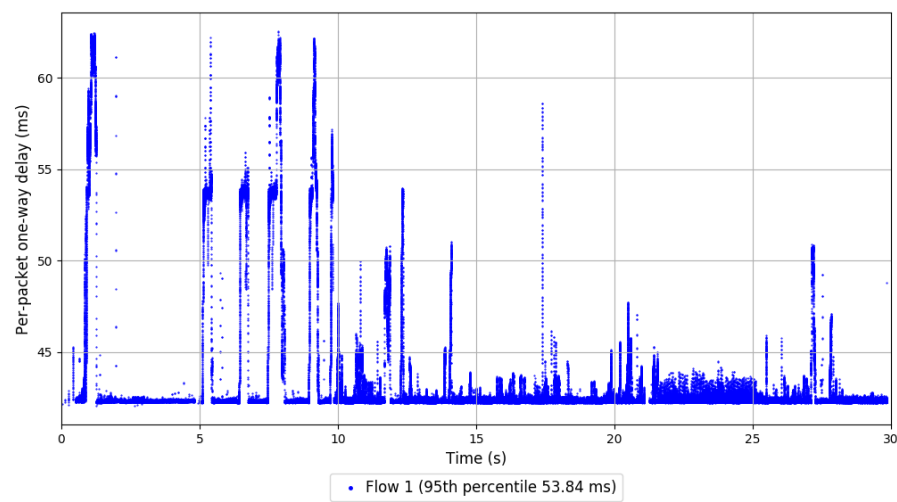
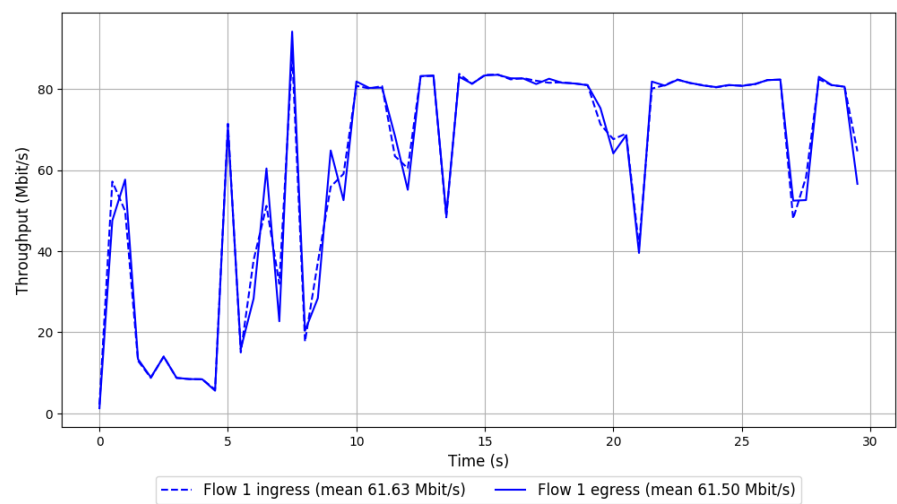
Average throughput: 61.50 Mbit/s

95th percentile per-packet one-way delay: 53.843 ms

Loss rate: 0.49%



Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2017-08-21 20:22:58

End at: 2017-08-21 20:23:28

Local clock offset: 0.012 ms

Remote clock offset: -0.505 ms

# Below is generated by plot.py at 2017-08-22 01:05:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 57.67 Mbit/s

95th percentile per-packet one-way delay: 53.263 ms

Loss rate: 0.48%

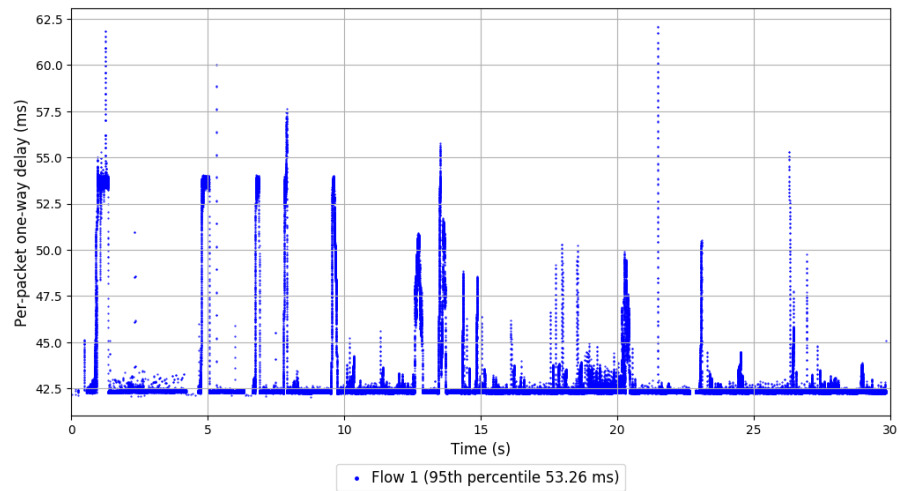
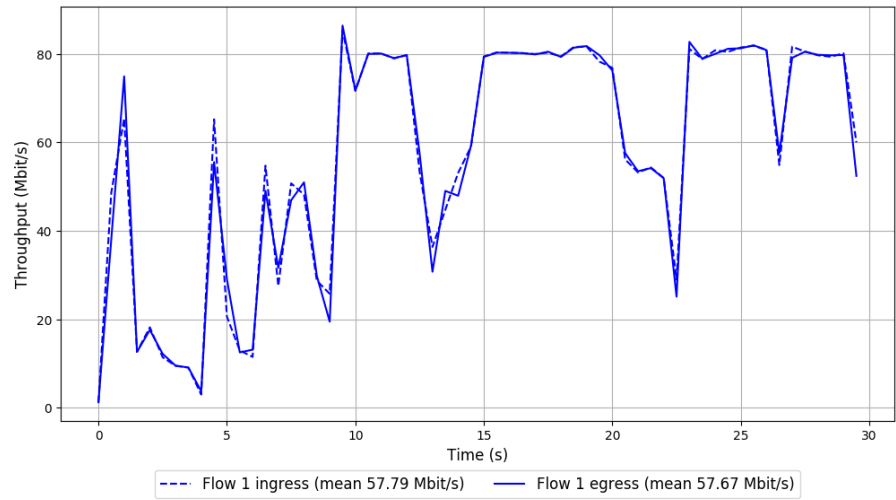
-- Flow 1:

Average throughput: 57.67 Mbit/s

95th percentile per-packet one-way delay: 53.263 ms

Loss rate: 0.48%

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



Run 9: Statistics of QUIC Cubic

Start at: 2017-08-21 20:43:15

End at: 2017-08-21 20:43:45

Local clock offset: -0.005 ms

Remote clock offset: -0.22 ms

# Below is generated by plot.py at 2017-08-22 01:05:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 65.47 Mbit/s

95th percentile per-packet one-way delay: 52.571 ms

Loss rate: 0.42%

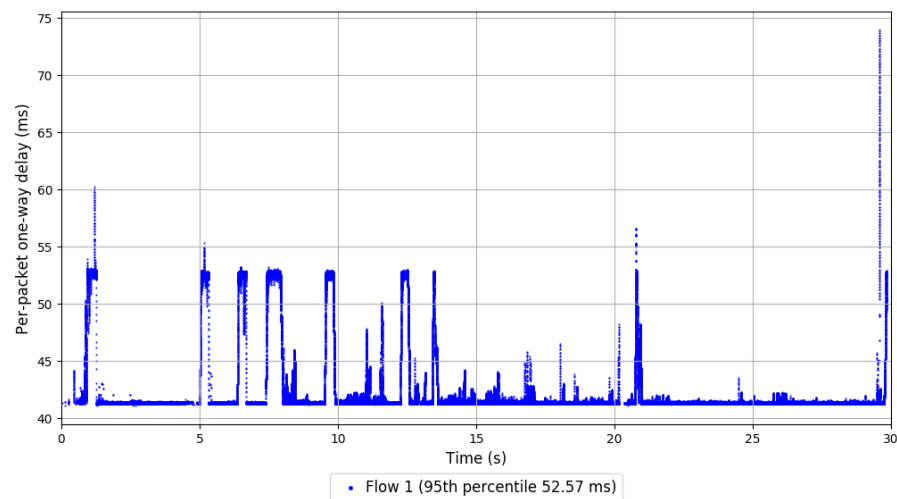
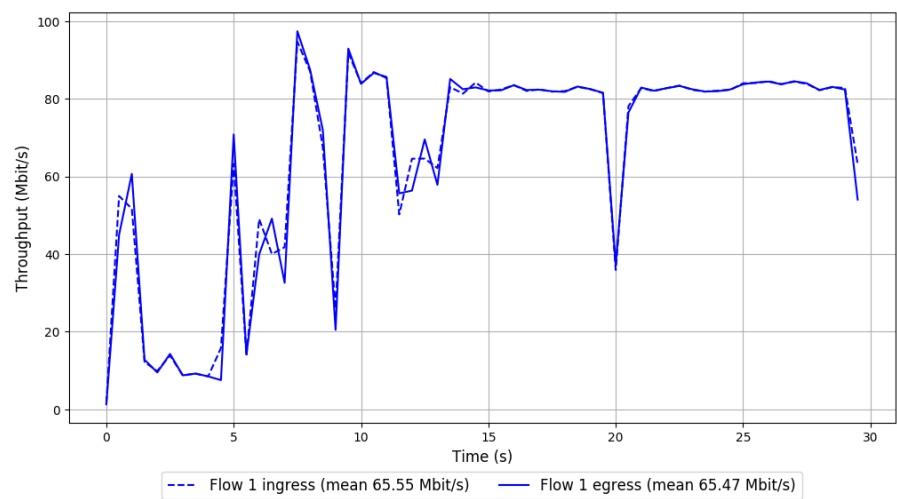
-- Flow 1:

Average throughput: 65.47 Mbit/s

95th percentile per-packet one-way delay: 52.571 ms

Loss rate: 0.42%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-08-21 21:03:29

End at: 2017-08-21 21:03:59

Local clock offset: 0.09 ms

Remote clock offset: -2.962 ms

# Below is generated by plot.py at 2017-08-22 01:05:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.98 Mbit/s

95th percentile per-packet one-way delay: 55.352 ms

Loss rate: 0.45%

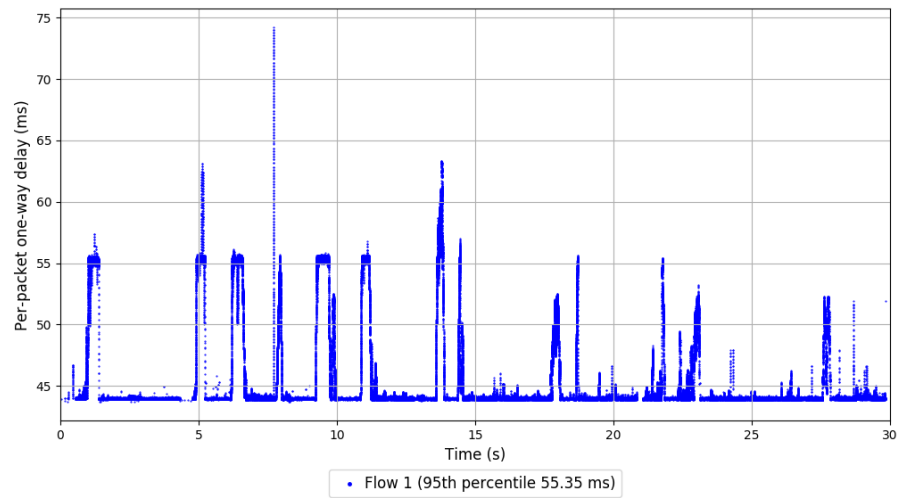
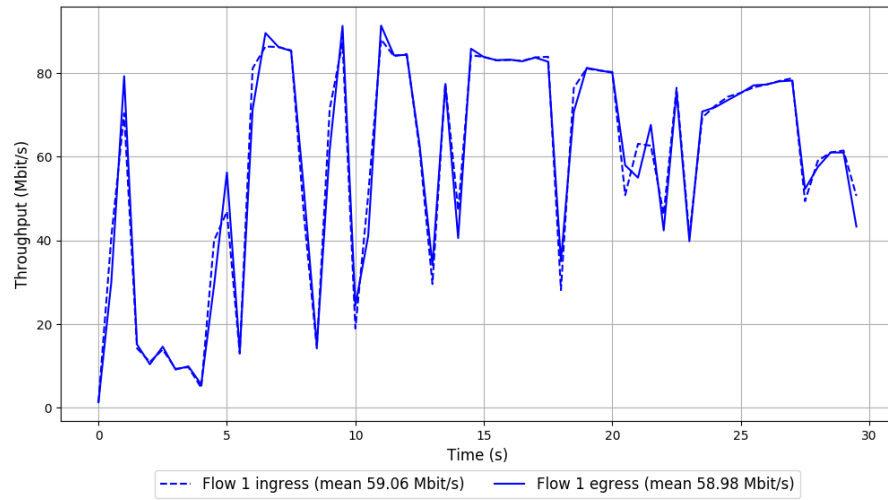
-- Flow 1:

Average throughput: 58.98 Mbit/s

95th percentile per-packet one-way delay: 55.352 ms

Loss rate: 0.45%

# Run 10: Report of QUIC Cubic — Data Link



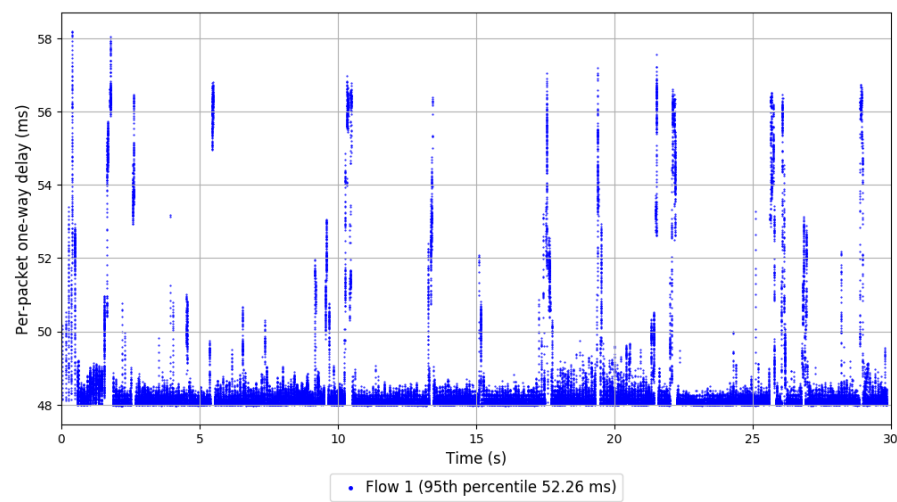
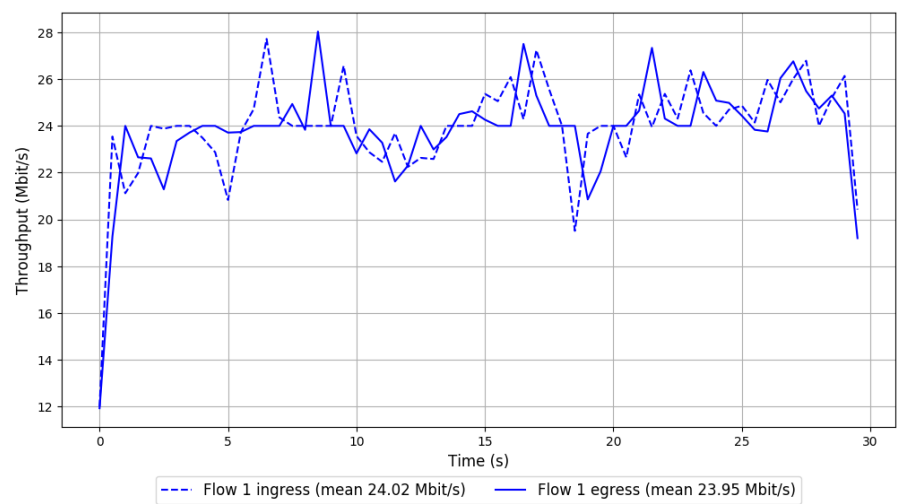
Run 1: Statistics of Saturator

Start at: 2017-08-21 17:55:42  
End at: 2017-08-21 17:56:12  
Local clock offset: 0.383 ms  
Remote clock offset: -8.116 ms

# Below is generated by plot.py at 2017-08-22 01:05:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 23.95 Mbit/s  
95th percentile per-packet one-way delay: 52.257 ms  
Loss rate: 0.57%  
-- Flow 1:  
Average throughput: 23.95 Mbit/s  
95th percentile per-packet one-way delay: 52.257 ms  
Loss rate: 0.57%



Run 1: Report of Saturator — Data Link

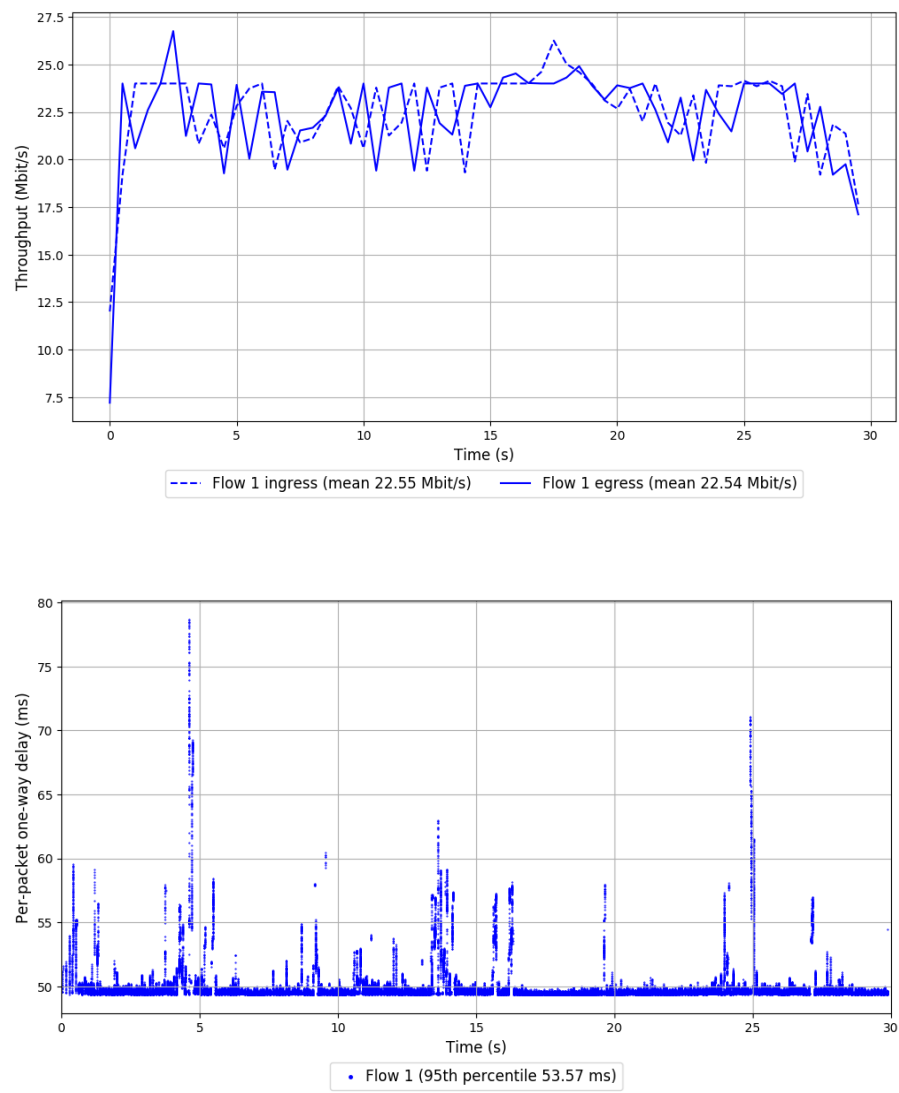


Run 2: Statistics of Saturator

Start at: 2017-08-21 18:16:28  
End at: 2017-08-21 18:16:58  
Local clock offset: 0.429 ms  
Remote clock offset: -9.565 ms

# Below is generated by plot.py at 2017-08-22 01:05:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 22.54 Mbit/s  
95th percentile per-packet one-way delay: 53.566 ms  
Loss rate: 0.39%  
-- Flow 1:  
Average throughput: 22.54 Mbit/s  
95th percentile per-packet one-way delay: 53.566 ms  
Loss rate: 0.39%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

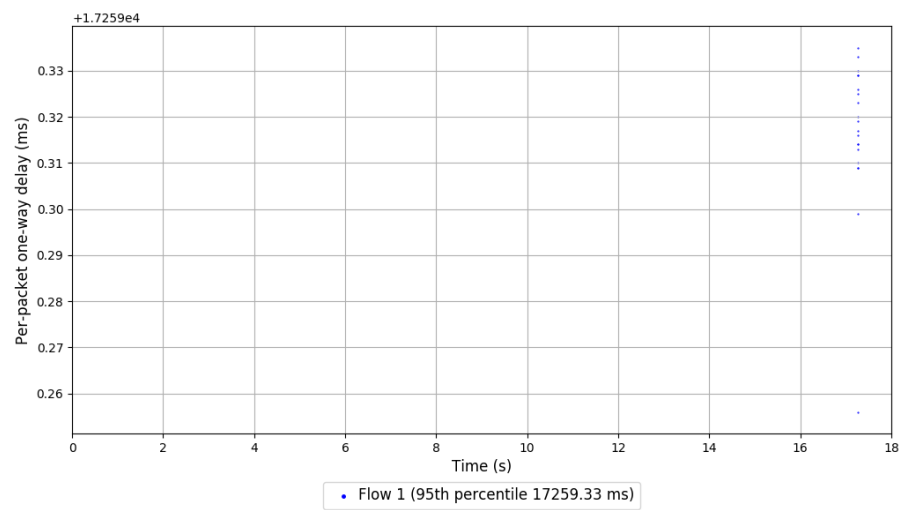
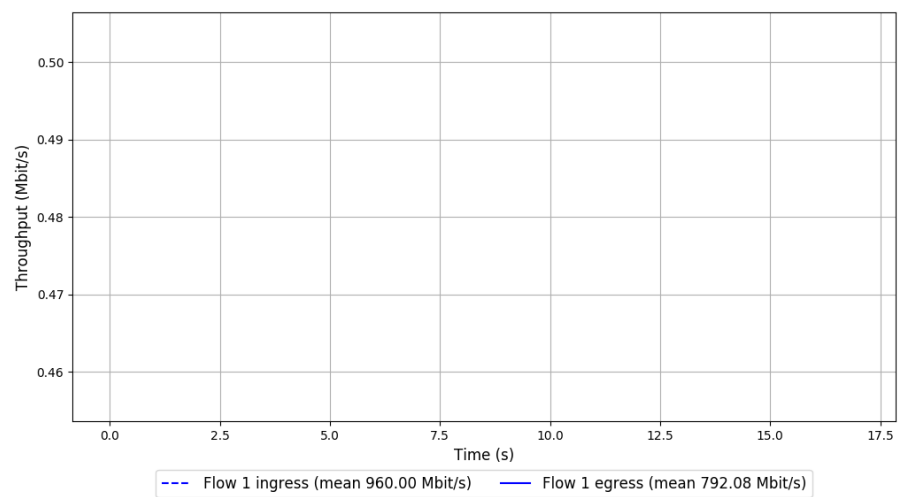
Start at: 2017-08-21 18:36:38

End at: 2017-08-21 18:37:08

Local clock offset: 0.333 ms

Remote clock offset: 0.541 ms

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

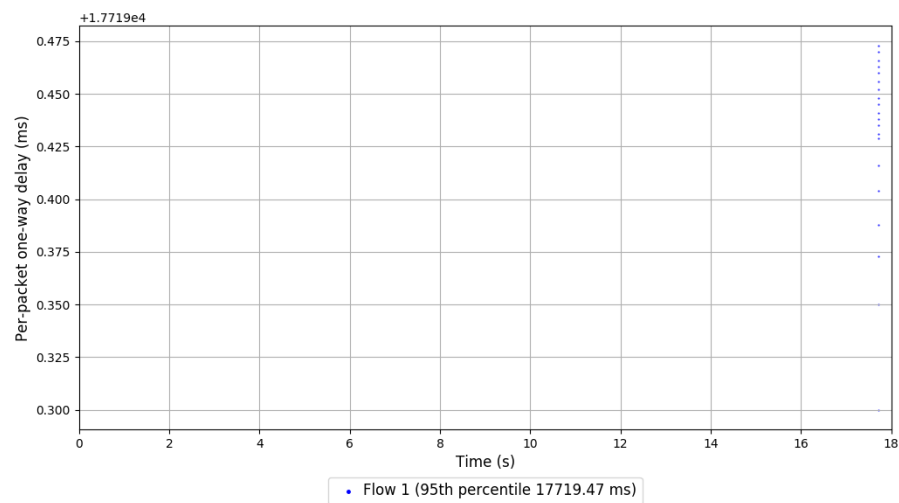
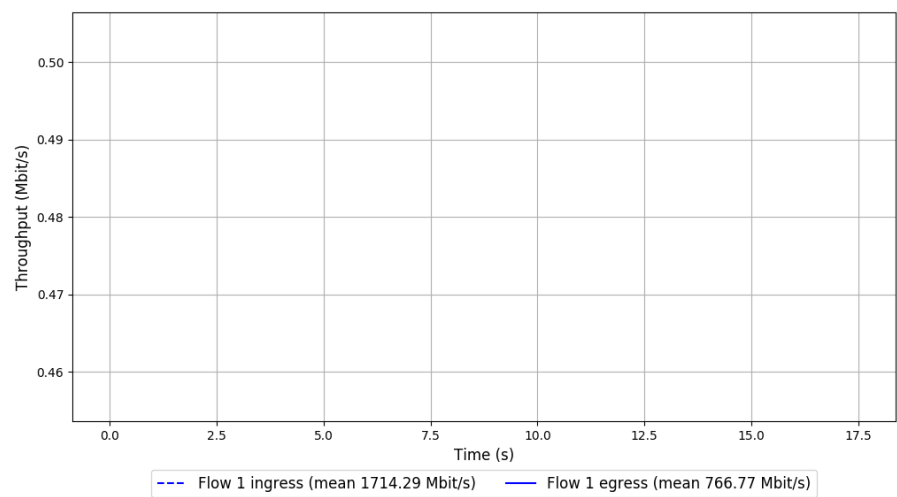
Start at: 2017-08-21 18:56:52

End at: 2017-08-21 18:57:22

Local clock offset: 0.416 ms

Remote clock offset: 1.196 ms

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: 2017-08-21 19:17:38

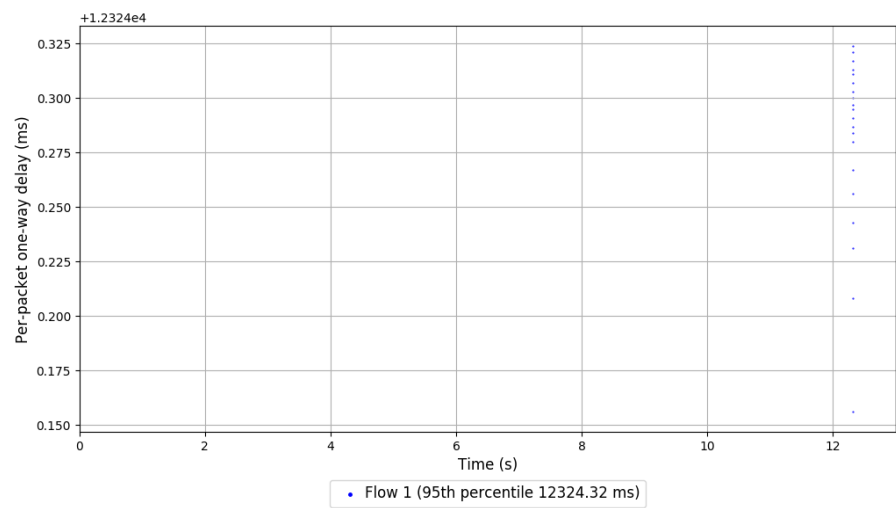
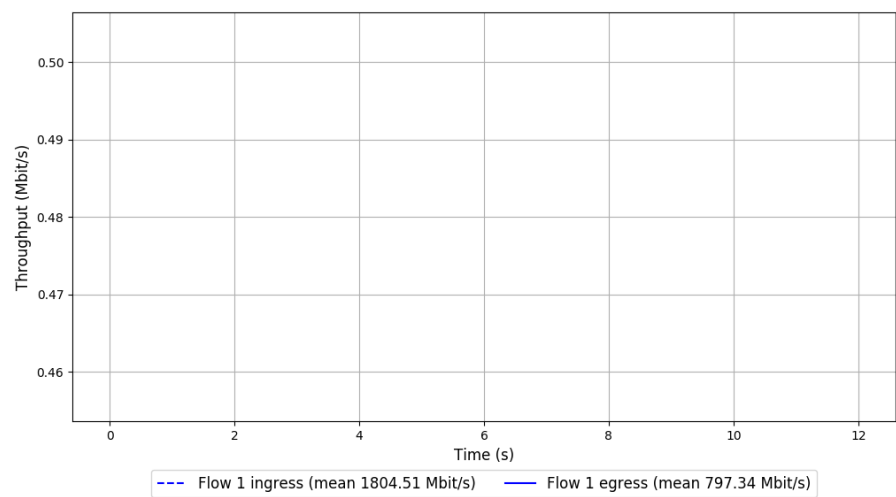
End at: 2017-08-21 19:18:09

Local clock offset: 0.322 ms

Remote clock offset: -0.648 ms



Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: 2017-08-21 19:38:04

End at: 2017-08-21 19:38:34

Local clock offset: 0.288 ms

Remote clock offset: 1.913 ms

# Below is generated by plot.py at 2017-08-22 01:05:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 26.41 Mbit/s

95th percentile per-packet one-way delay: 39.816 ms

Loss rate: 0.30%

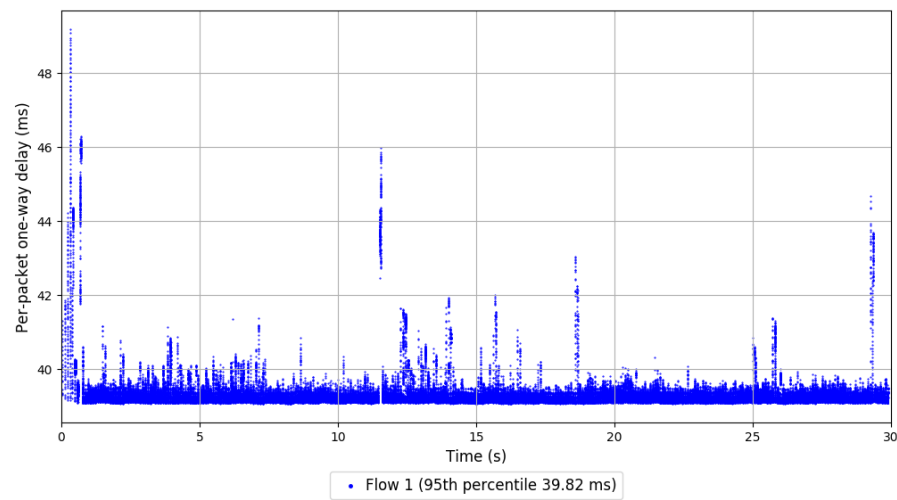
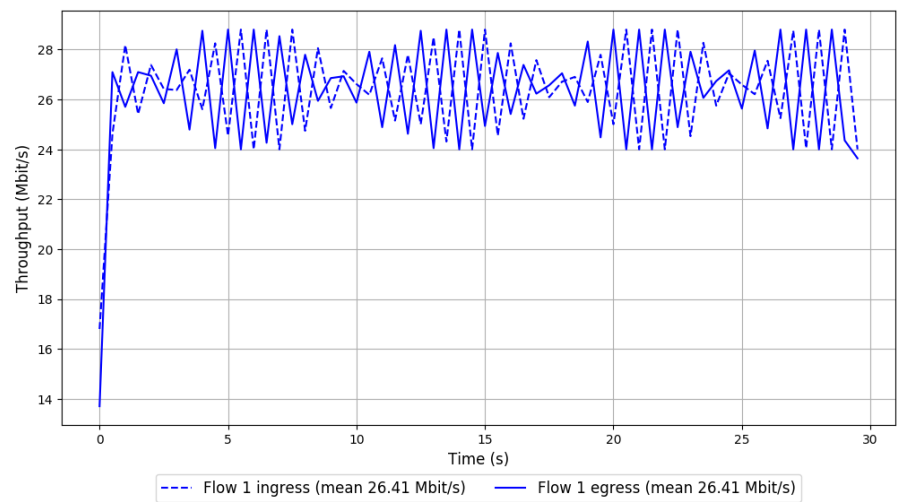
-- Flow 1:

Average throughput: 26.41 Mbit/s

95th percentile per-packet one-way delay: 39.816 ms

Loss rate: 0.30%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

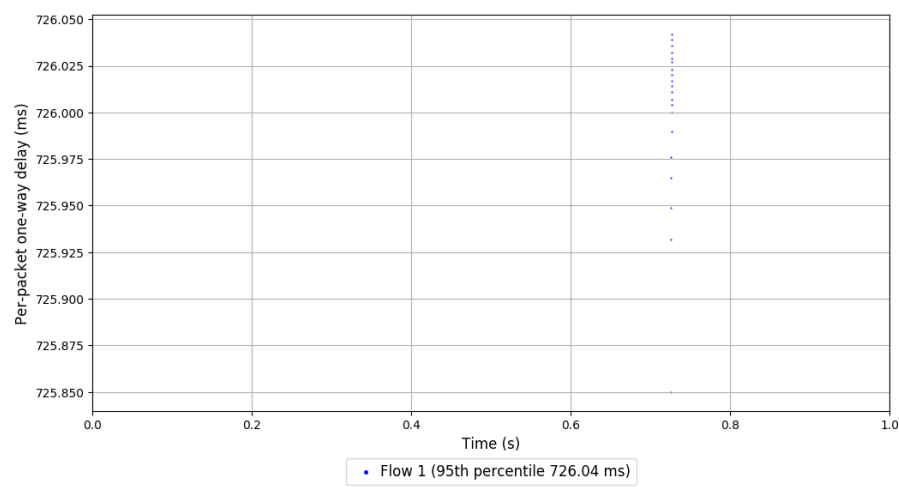
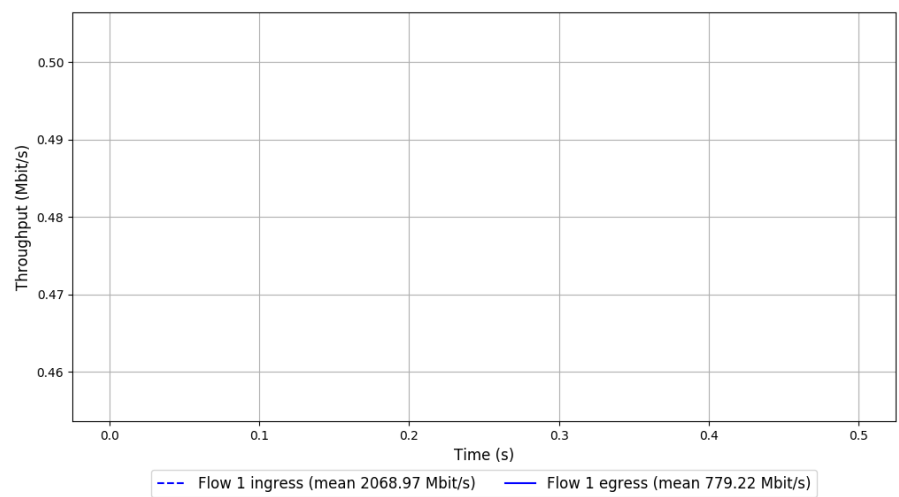
Start at: 2017-08-21 19:58:37

End at: 2017-08-21 19:59:07

Local clock offset: 0.138 ms

Remote clock offset: 1.31 ms

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

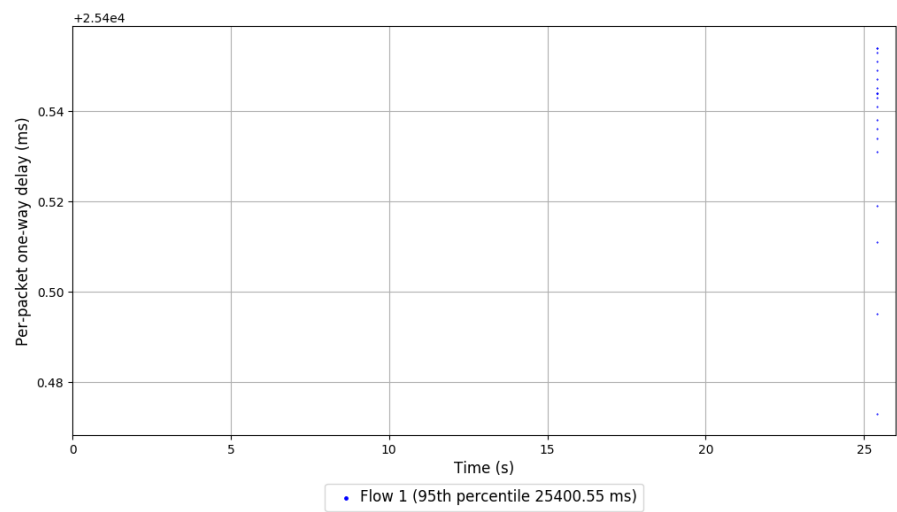
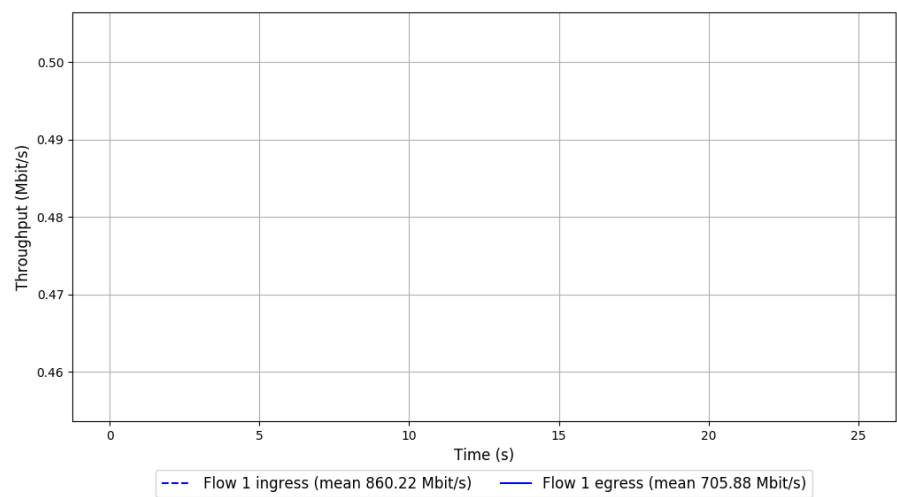
Start at: 2017-08-21 20:18:58

End at: 2017-08-21 20:19:28

Local clock offset: -0.107 ms

Remote clock offset: -0.669 ms

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: 2017-08-21 20:39:12

End at: 2017-08-21 20:39:42

Local clock offset: 0.014 ms

Remote clock offset: 1.928 ms

# Below is generated by plot.py at 2017-08-22 01:05:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 26.21 Mbit/s

95th percentile per-packet one-way delay: 40.476 ms

Loss rate: 0.31%

-- Flow 1:

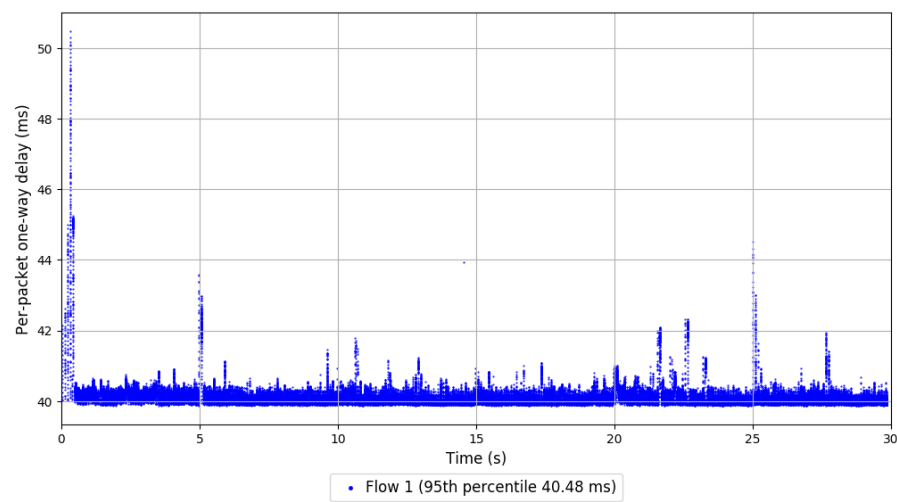
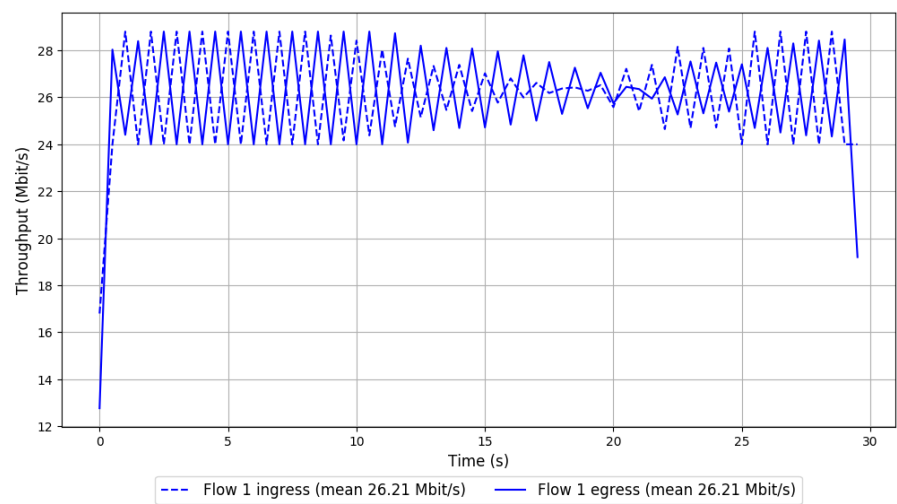
Average throughput: 26.21 Mbit/s

95th percentile per-packet one-way delay: 40.476 ms

Loss rate: 0.31%



Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

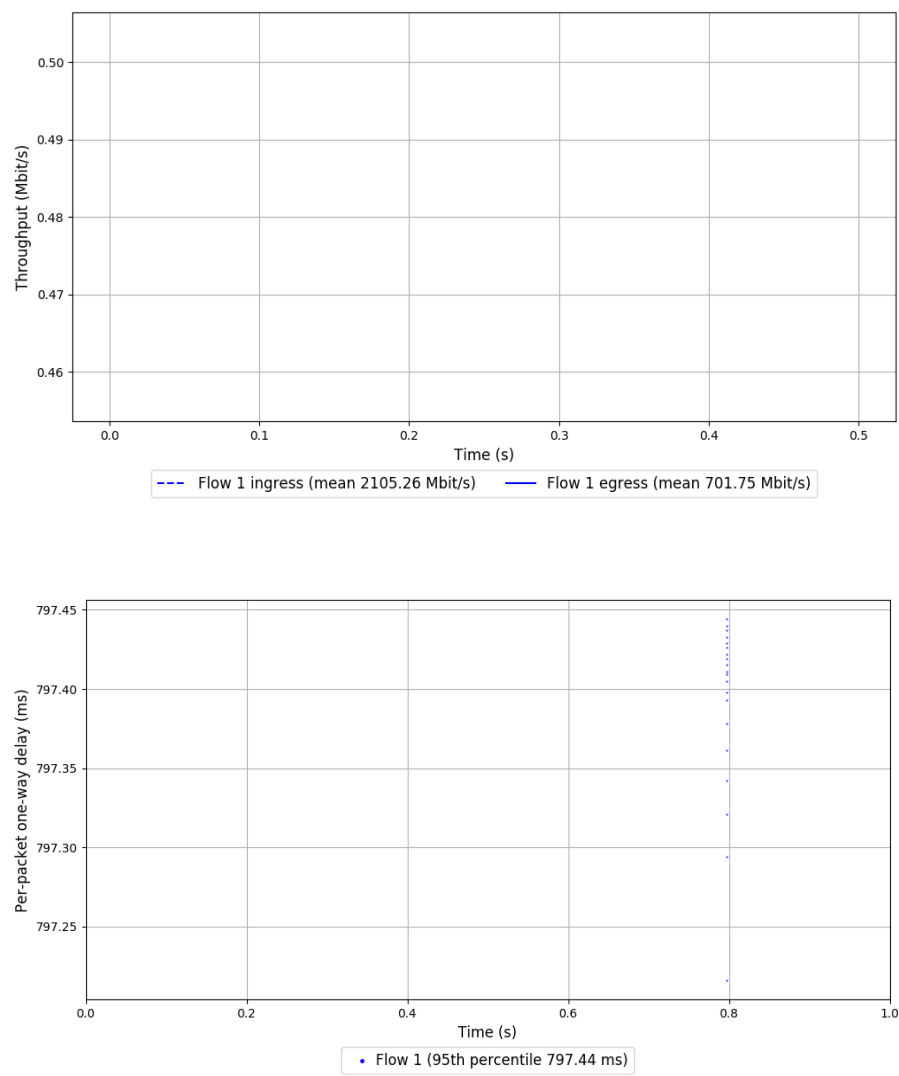
Start at: 2017-08-21 20:59:27

End at: 2017-08-21 20:59:57

Local clock offset: -0.028 ms

Remote clock offset: -3.462 ms

Run 10: Report of Saturator — Data Link

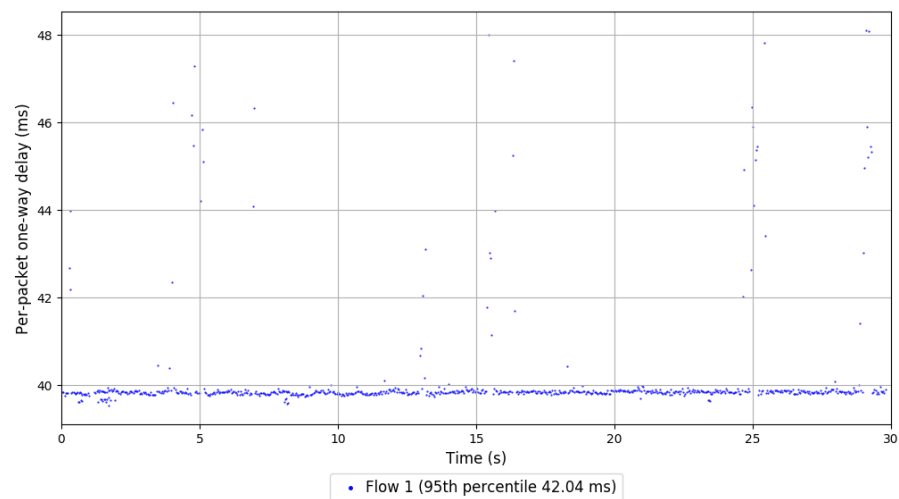
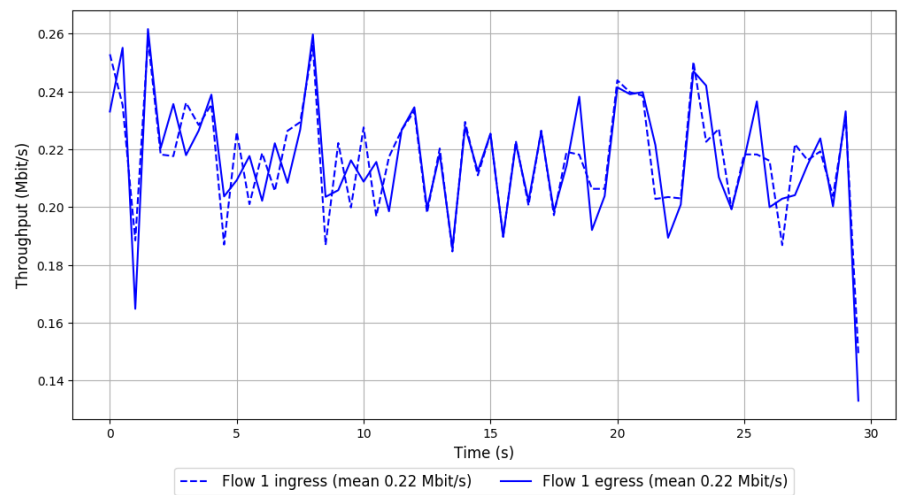


```
Run 1: Statistics of SCReAM

Start at: 2017-08-21 17:54:25
End at: 2017-08-21 17:54:55
Local clock offset: 0.495 ms
Remote clock offset: -0.397 ms

# Below is generated by plot.py at 2017-08-22 01:05:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 42.039 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 42.039 ms
Loss rate: 0.25%
```

Run 1: Report of SReAM — Data Link

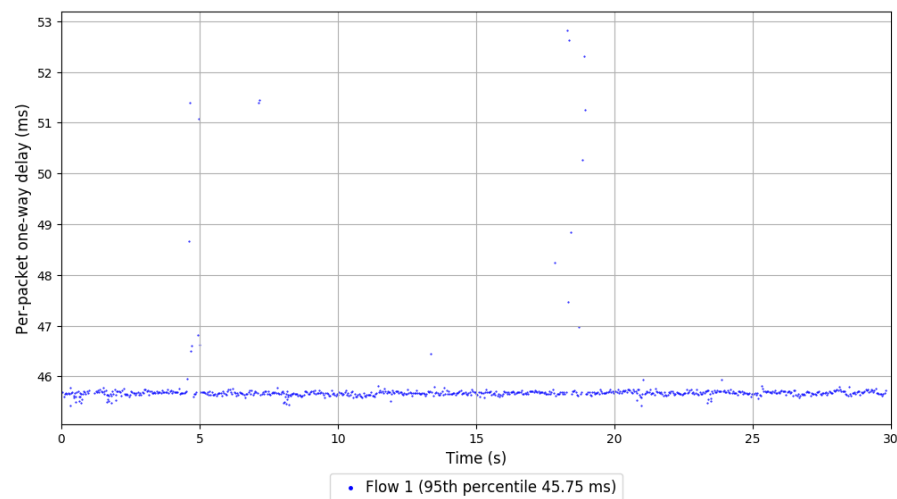
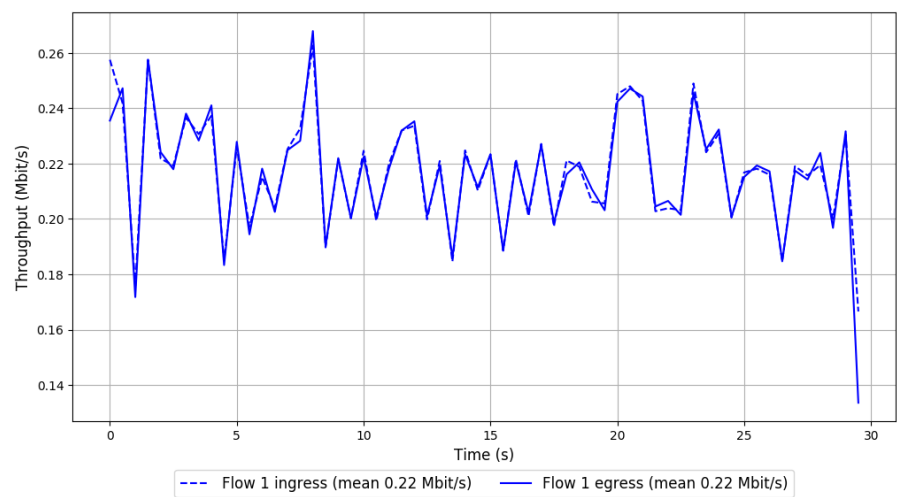


Run 2: Statistics of SCReAM

Start at: 2017-08-21 18:15:10  
End at: 2017-08-21 18:15:41  
Local clock offset: 0.331 ms  
Remote clock offset: -5.117 ms

# Below is generated by plot.py at 2017-08-22 01:05:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 45.752 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 45.752 ms  
Loss rate: 0.38%

Run 2: Report of SReAM — Data Link



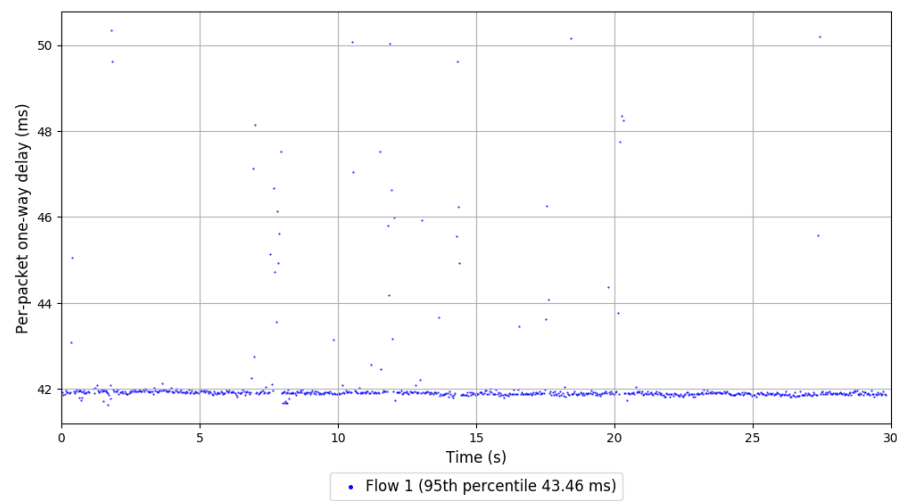
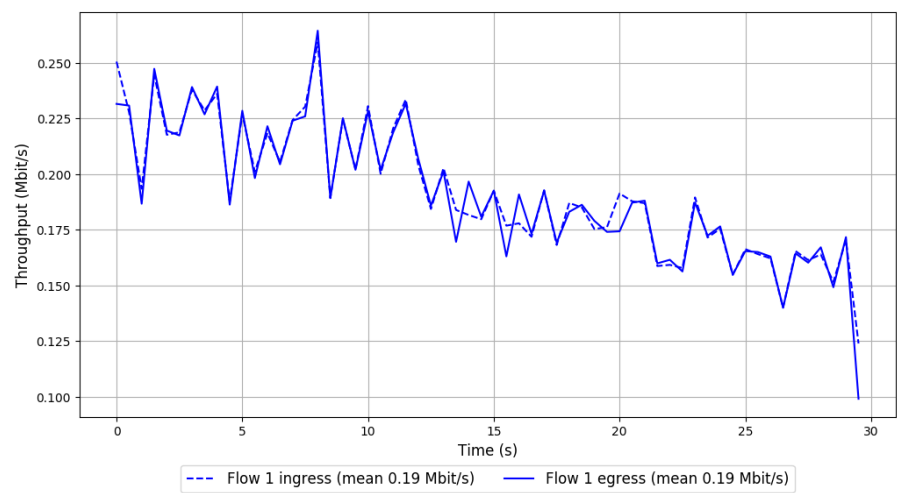
Run 3: Statistics of SCReAM

Start at: 2017-08-21 18:35:21  
End at: 2017-08-21 18:35:51  
Local clock offset: 0.459 ms  
Remote clock offset: -1.561 ms

# Below is generated by plot.py at 2017-08-22 01:05:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.19 Mbit/s  
95th percentile per-packet one-way delay: 43.461 ms  
Loss rate: 0.48%  
-- Flow 1:  
Average throughput: 0.19 Mbit/s  
95th percentile per-packet one-way delay: 43.461 ms  
Loss rate: 0.48%



Run 3: Report of SCRaM — Data Link



Run 4: Statistics of SCReAM

Start at: 2017-08-21 18:55:35

End at: 2017-08-21 18:56:05

Local clock offset: 0.407 ms

Remote clock offset: -0.92 ms

# Below is generated by plot.py at 2017-08-22 01:05:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 42.488 ms

Loss rate: 0.25%

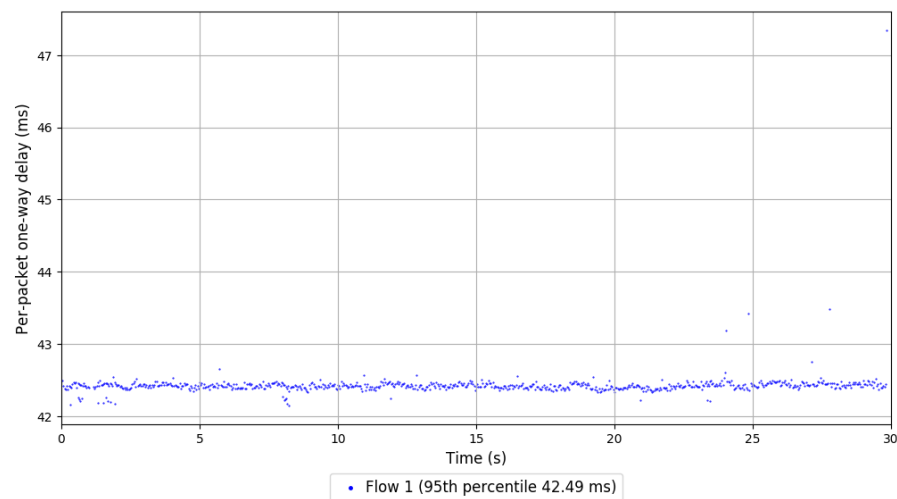
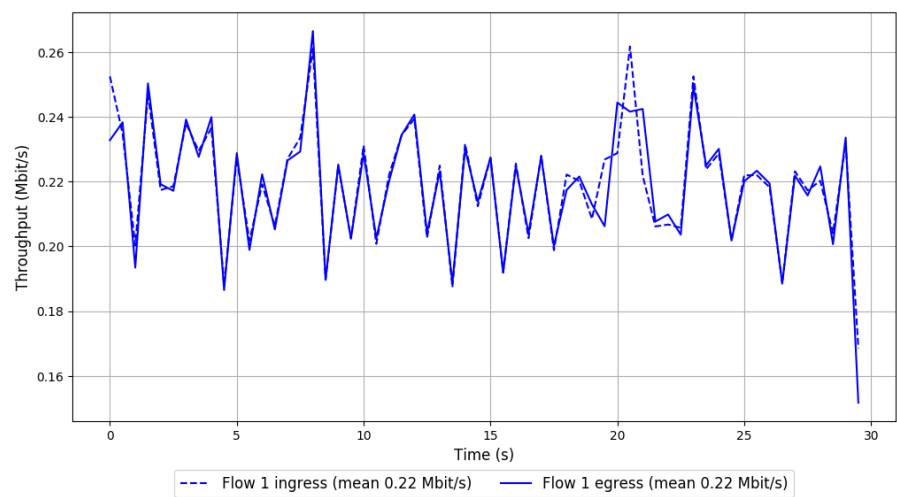
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 42.488 ms

Loss rate: 0.25%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2017-08-21 19:16:22

End at: 2017-08-21 19:16:52

Local clock offset: 0.359 ms

Remote clock offset: 1.349 ms

# Below is generated by plot.py at 2017-08-22 01:05:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 40.401 ms

Loss rate: 0.38%

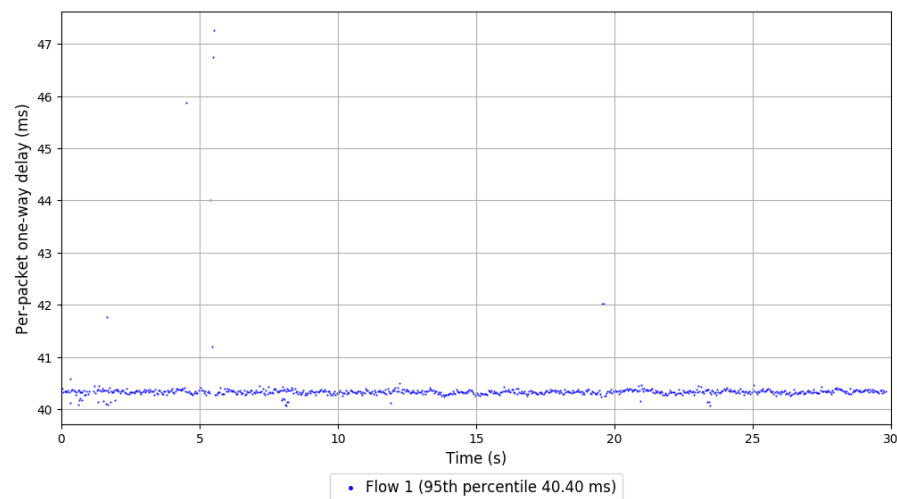
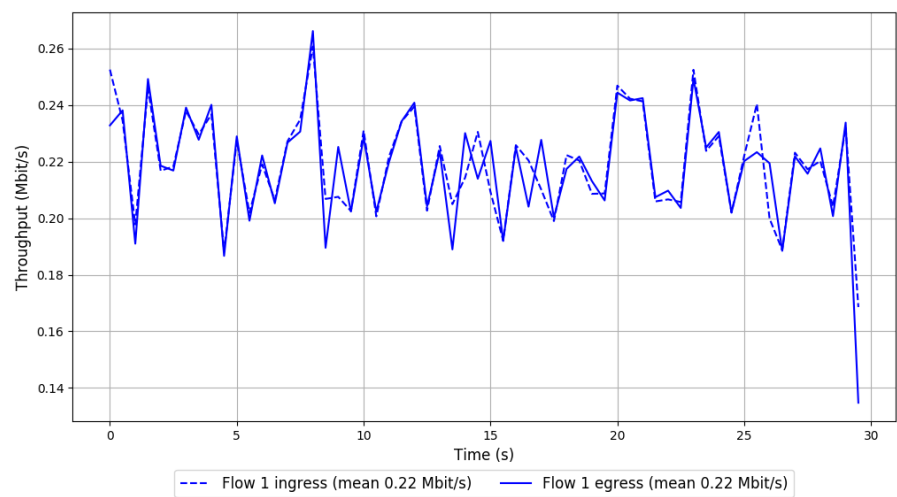
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 40.401 ms

Loss rate: 0.38%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2017-08-21 19:36:46

End at: 2017-08-21 19:37:16

Local clock offset: 0.308 ms

Remote clock offset: 1.473 ms

# Below is generated by plot.py at 2017-08-22 01:05:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 40.529 ms

Loss rate: 0.25%

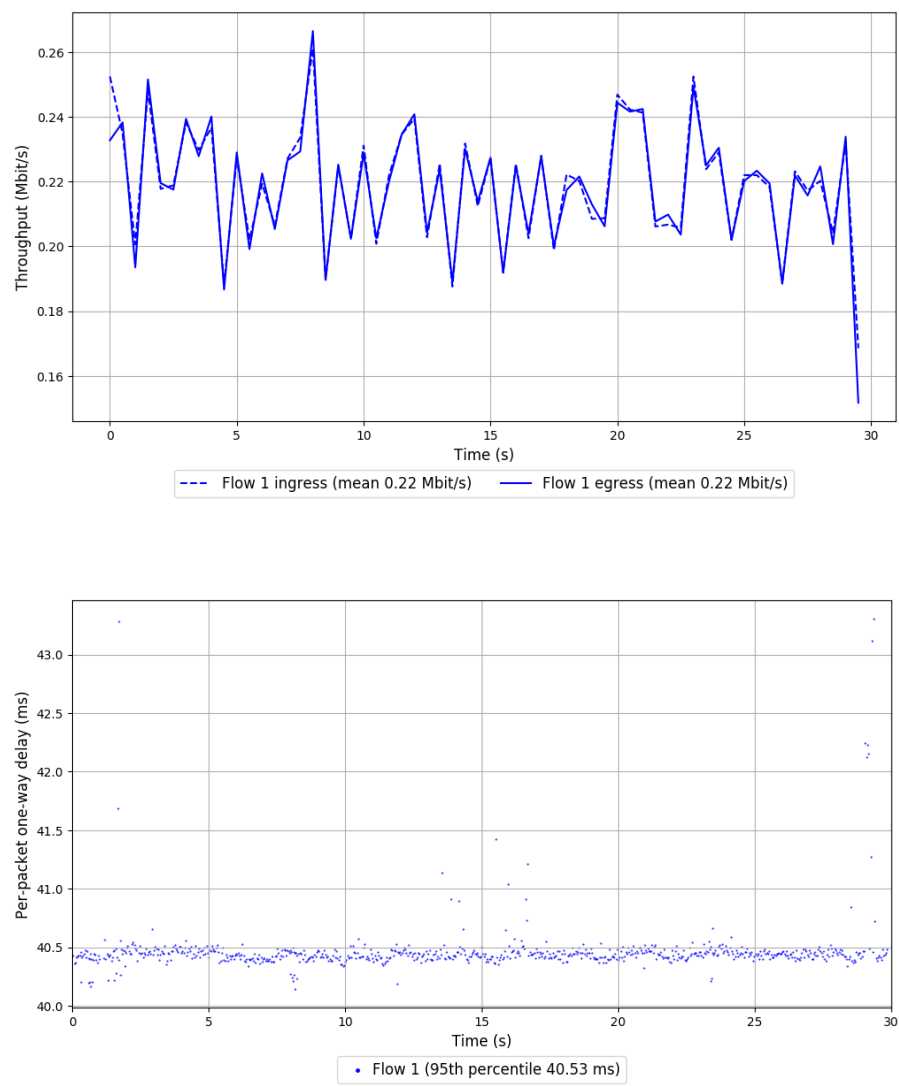
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 40.529 ms

Loss rate: 0.25%

Run 6: Report of SReAM — Data Link



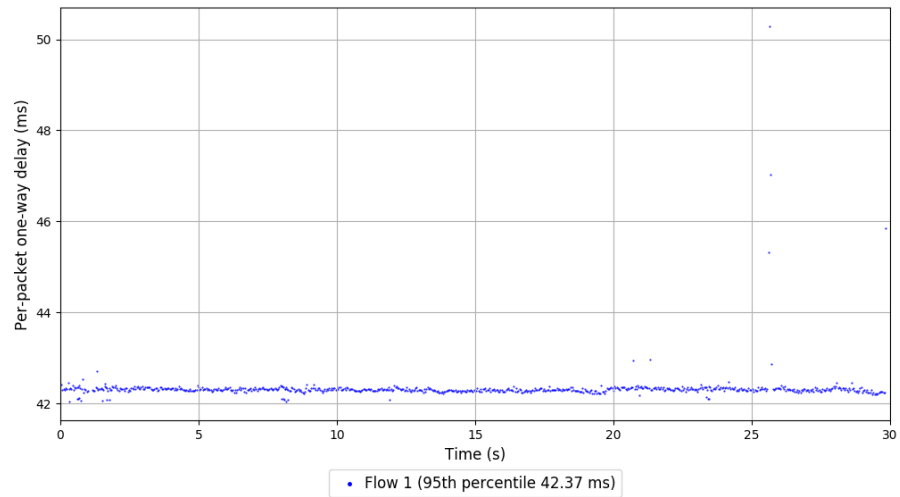
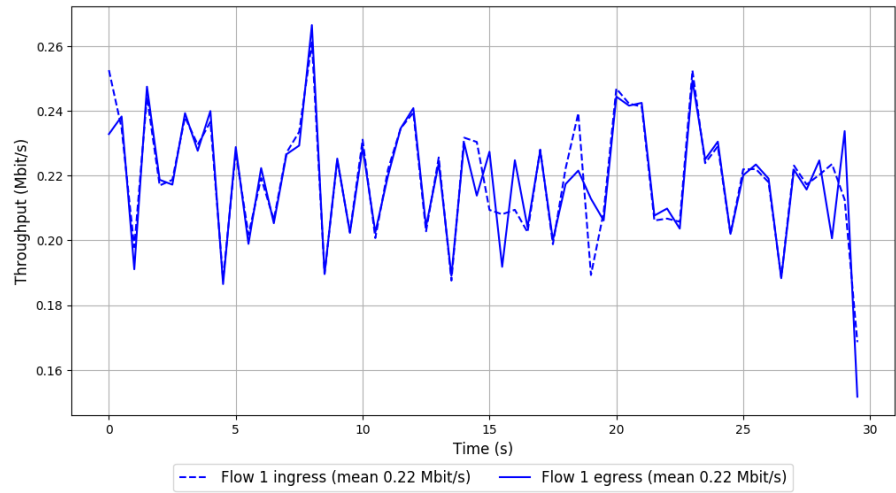
Run 7: Statistics of SReAM

Start at: 2017-08-21 19:57:20  
End at: 2017-08-21 19:57:50  
Local clock offset: 0.114 ms  
Remote clock offset: -0.633 ms

# Below is generated by plot.py at 2017-08-22 01:05:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 42.368 ms  
Loss rate: 0.25%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 42.368 ms  
Loss rate: 0.25%



## Run 7: Report of SReAM — Data Link

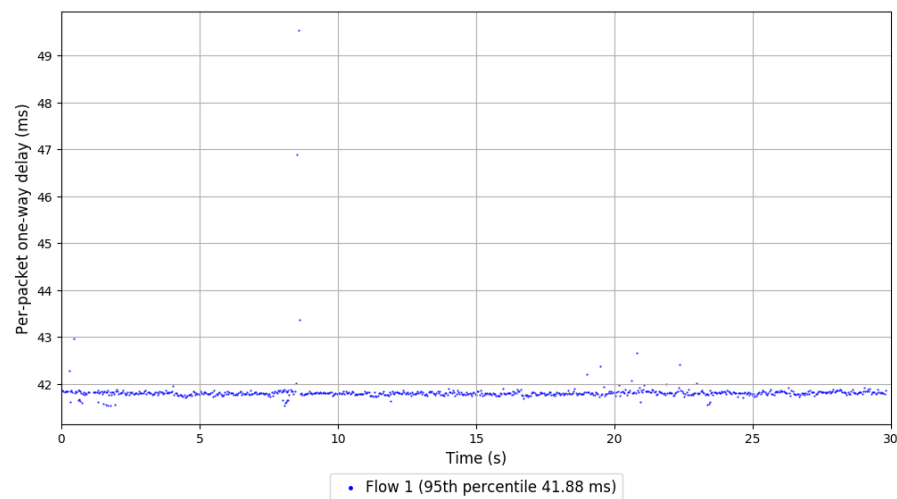
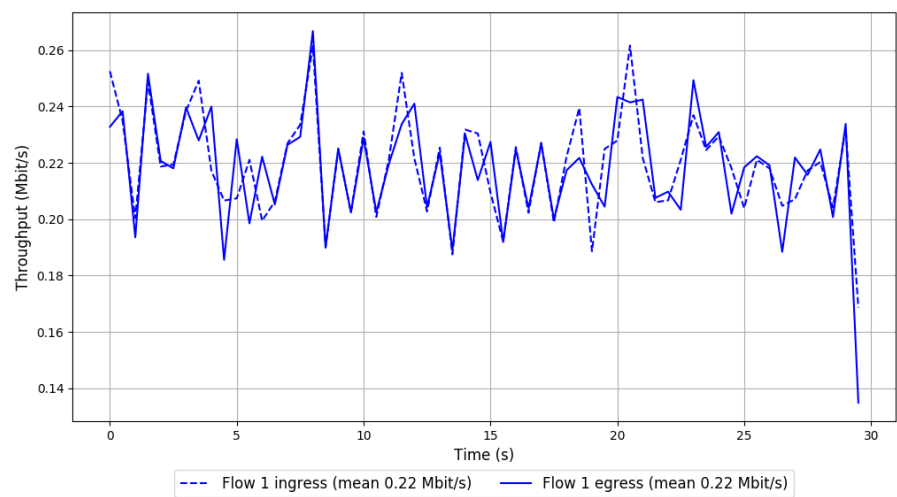


Run 8: Statistics of SCReAM

Start at: 2017-08-21 20:17:40  
End at: 2017-08-21 20:18:10  
Local clock offset: -0.001 ms  
Remote clock offset: -0.622 ms

# Below is generated by plot.py at 2017-08-22 01:05:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 41.878 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 41.878 ms  
Loss rate: 0.38%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2017-08-21 20:37:55

End at: 2017-08-21 20:38:25

Local clock offset: -0.086 ms

Remote clock offset: 1.482 ms

# Below is generated by plot.py at 2017-08-22 01:05:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 39.755 ms

Loss rate: 0.25%

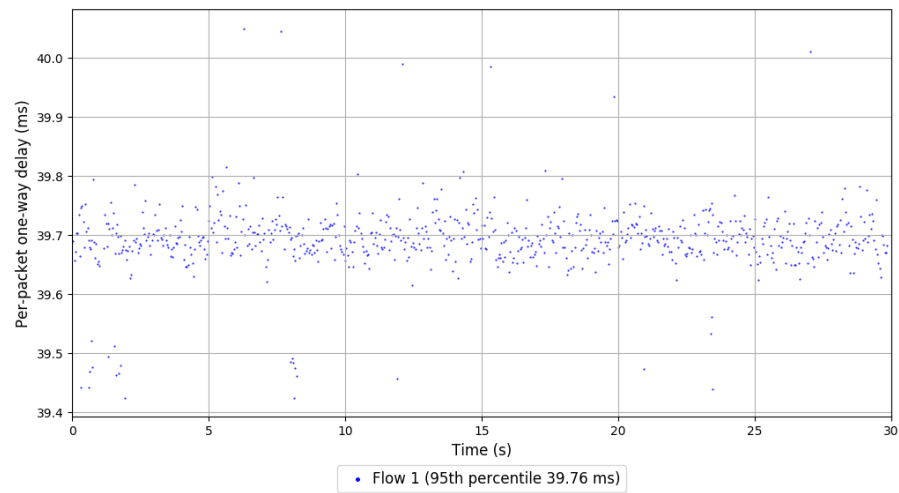
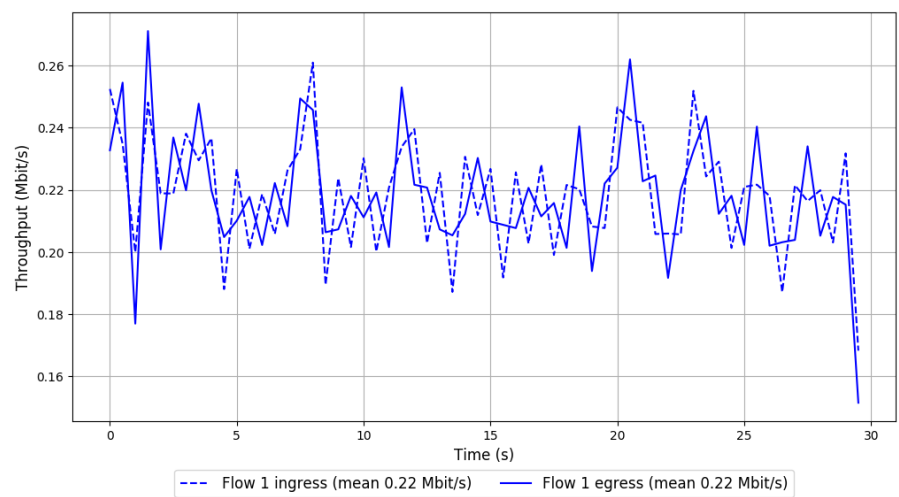
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 39.755 ms

Loss rate: 0.25%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2017-08-21 20:58:09

End at: 2017-08-21 20:58:39

Local clock offset: 0.008 ms

Remote clock offset: -5.56 ms

# Below is generated by plot.py at 2017-08-22 01:05:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 47.284 ms

Loss rate: 0.38%

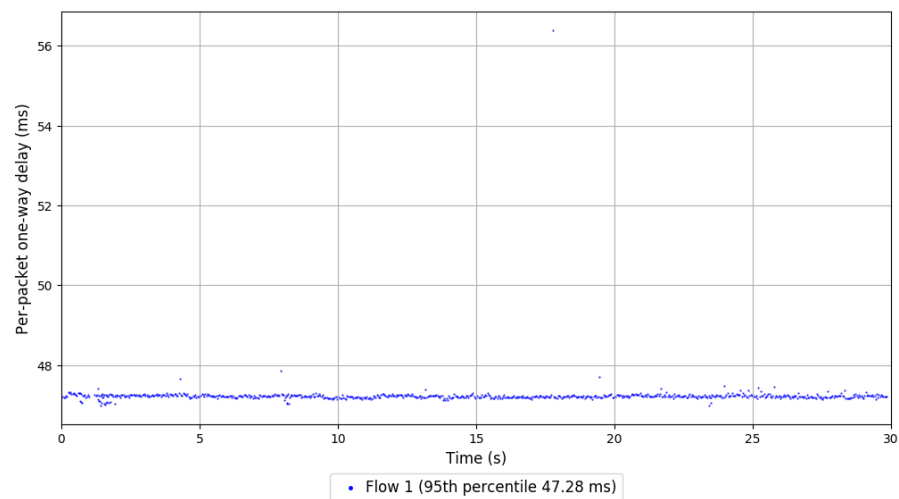
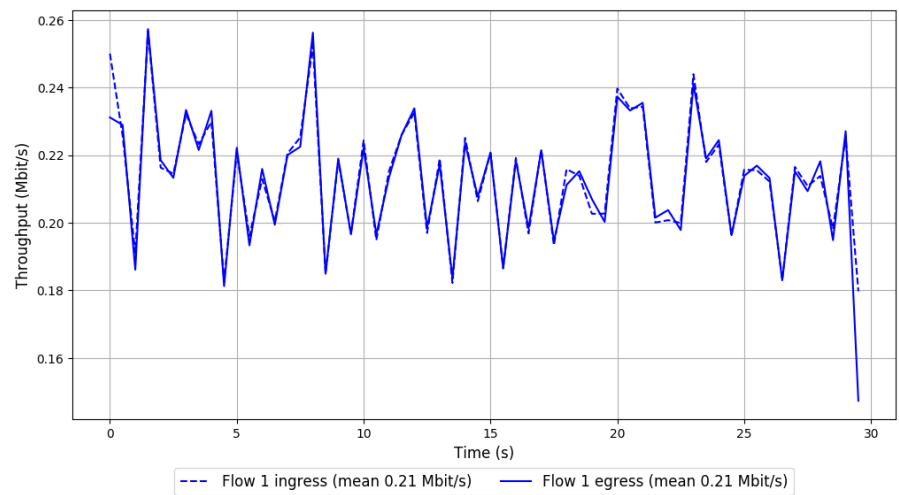
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 47.284 ms

Loss rate: 0.38%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2017-08-21 18:03:00  
End at: 2017-08-21 18:03:30  
Local clock offset: 0.355 ms  
Remote clock offset: -2.016 ms

# Below is generated by plot.py at 2017-08-22 01:05:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 8.03 Mbit/s

95th percentile per-packet one-way delay: 49.294 ms

Loss rate: 0.21%

-- Flow 1:

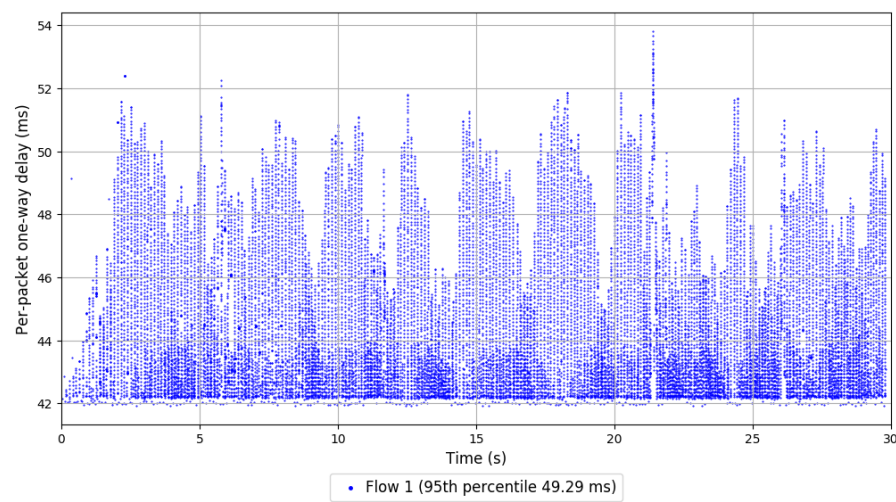
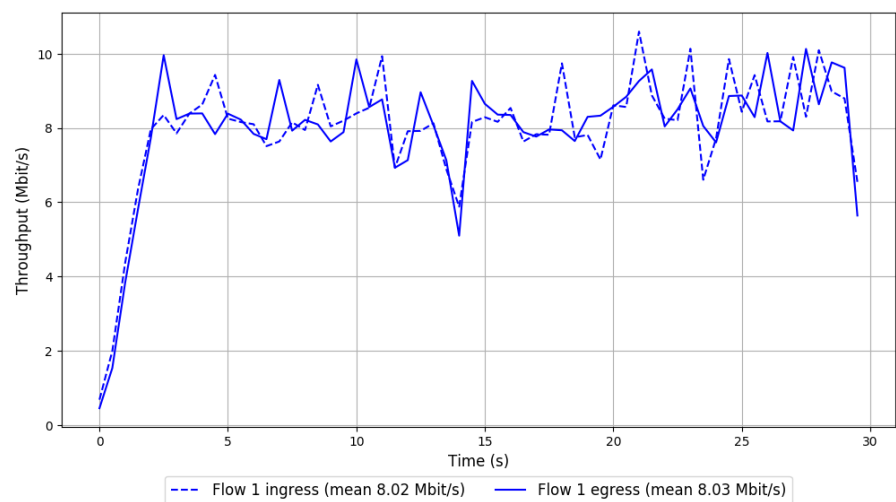
Average throughput: 8.03 Mbit/s

95th percentile per-packet one-way delay: 49.294 ms

Loss rate: 0.21%



Run 1: Report of Sprout — Data Link

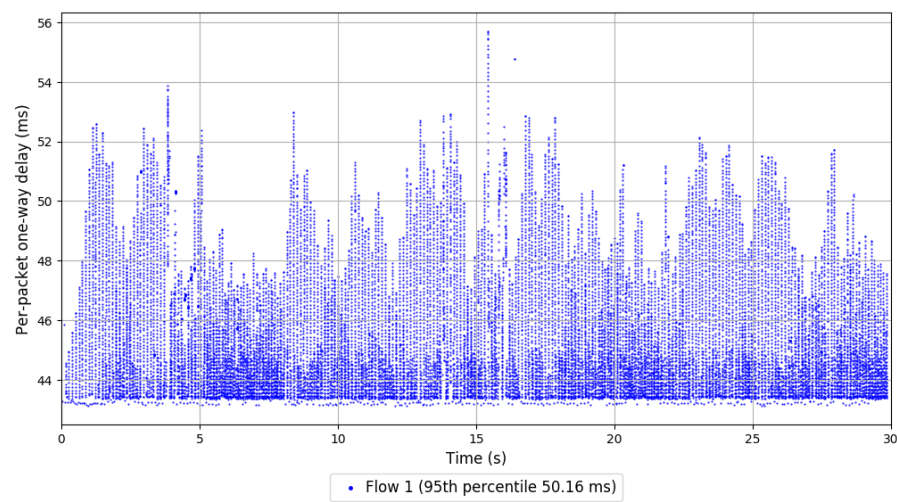
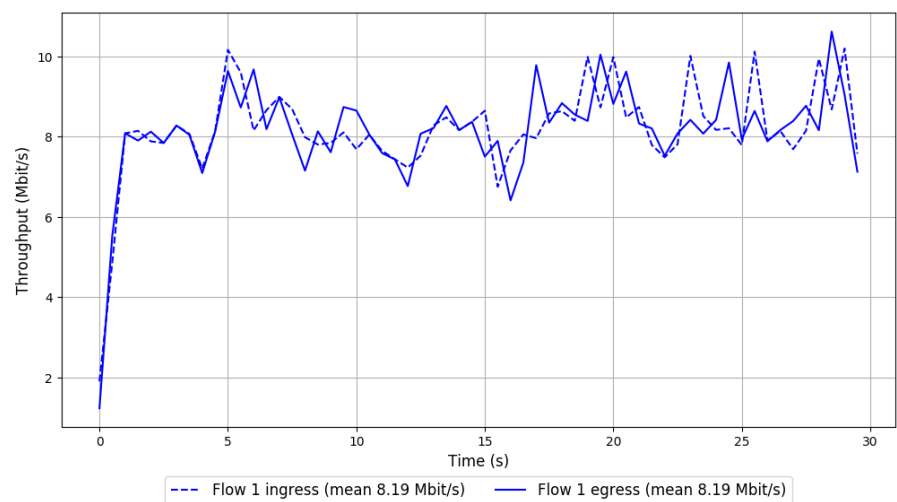


Run 2: Statistics of Sprout

Start at: 2017-08-21 18:23:18  
End at: 2017-08-21 18:23:48  
Local clock offset: 0.417 ms  
Remote clock offset: -3.271 ms

# Below is generated by plot.py at 2017-08-22 01:05:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 8.19 Mbit/s  
95th percentile per-packet one-way delay: 50.158 ms  
Loss rate: 0.33%  
-- Flow 1:  
Average throughput: 8.19 Mbit/s  
95th percentile per-packet one-way delay: 50.158 ms  
Loss rate: 0.33%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2017-08-21 18:43:21

End at: 2017-08-21 18:43:51

Local clock offset: 0.455 ms

Remote clock offset: 0.855 ms

# Below is generated by plot.py at 2017-08-22 01:05:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 47.619 ms

Loss rate: 0.70%

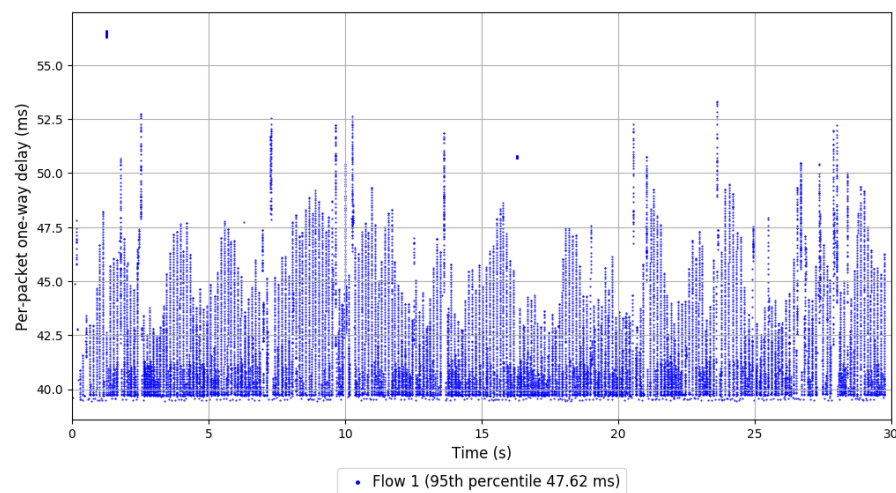
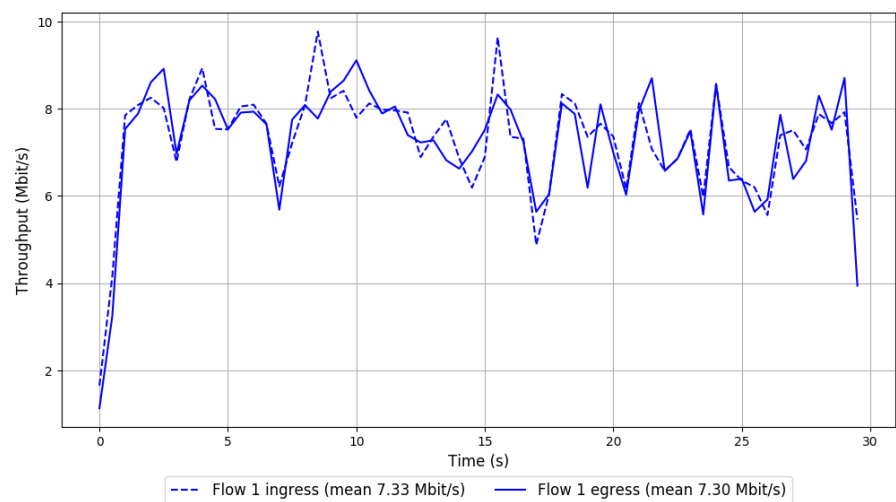
-- Flow 1:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 47.619 ms

Loss rate: 0.70%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2017-08-21 19:03:51

End at: 2017-08-21 19:04:21

Local clock offset: 0.394 ms

Remote clock offset: 1.613 ms

# Below is generated by plot.py at 2017-08-22 01:05:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.32 Mbit/s

95th percentile per-packet one-way delay: 44.571 ms

Loss rate: 0.37%

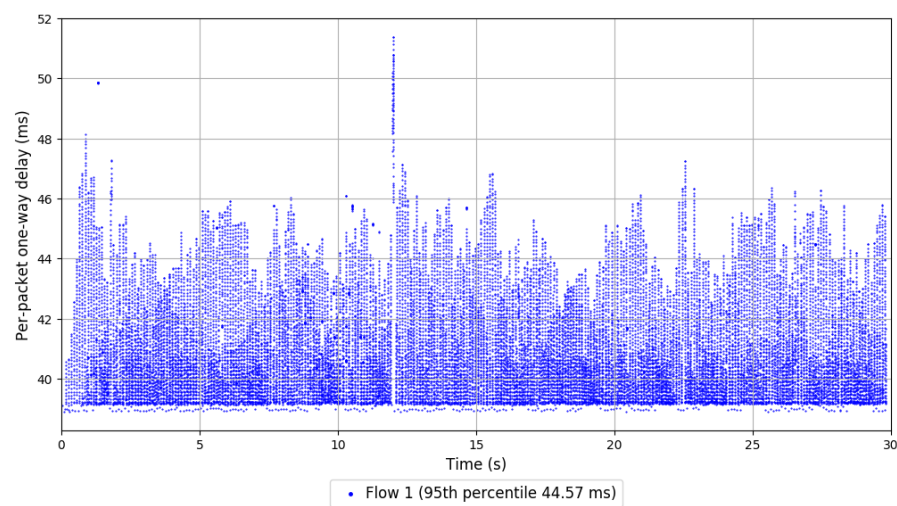
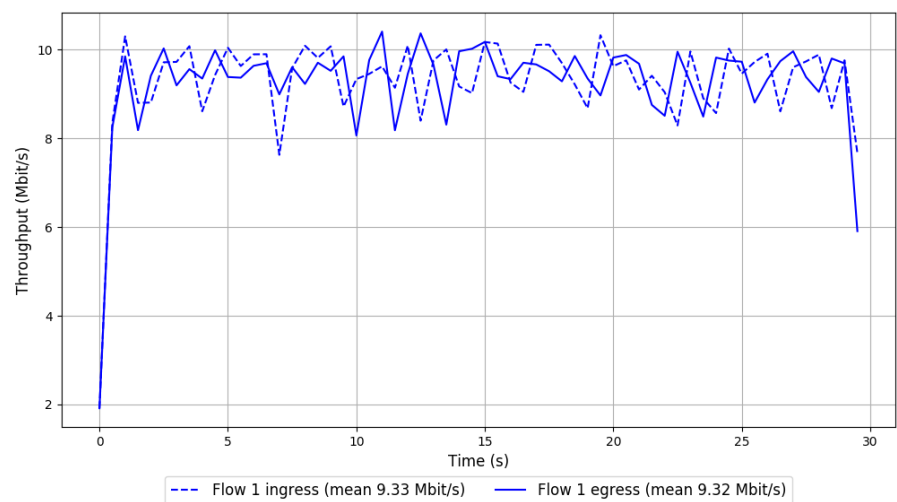
-- Flow 1:

Average throughput: 9.32 Mbit/s

95th percentile per-packet one-way delay: 44.571 ms

Loss rate: 0.37%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2017-08-21 19:24:22

End at: 2017-08-21 19:24:52

Local clock offset: 0.433 ms

Remote clock offset: 2.007 ms

# Below is generated by plot.py at 2017-08-22 01:05:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.13 Mbit/s

95th percentile per-packet one-way delay: 45.023 ms

Loss rate: 0.28%

-- Flow 1:

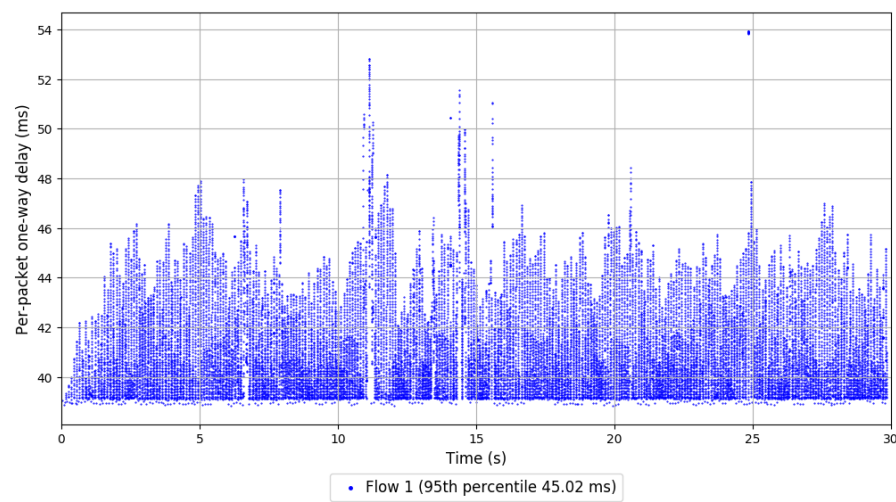
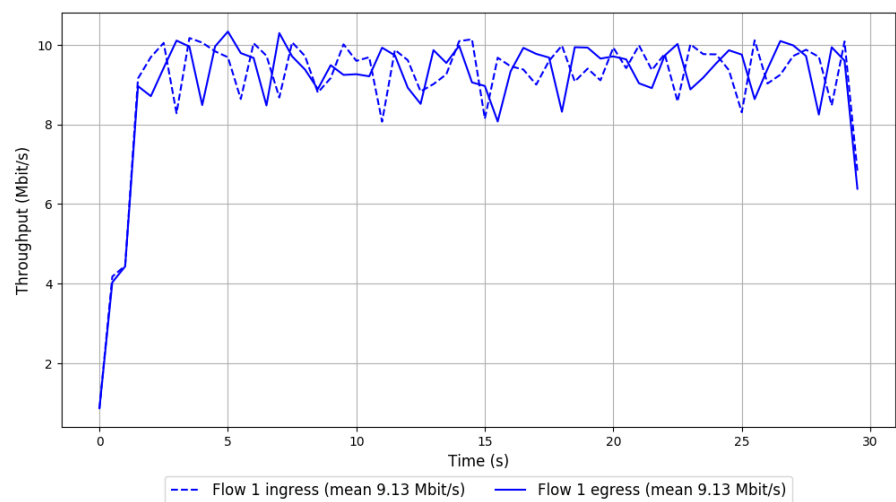
Average throughput: 9.13 Mbit/s

95th percentile per-packet one-way delay: 45.023 ms

Loss rate: 0.28%



Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2017-08-21 19:45:00

End at: 2017-08-21 19:45:30

Local clock offset: 0.176 ms

Remote clock offset: 1.412 ms

# Below is generated by plot.py at 2017-08-22 01:05:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.09 Mbit/s

95th percentile per-packet one-way delay: 45.837 ms

Loss rate: 0.35%

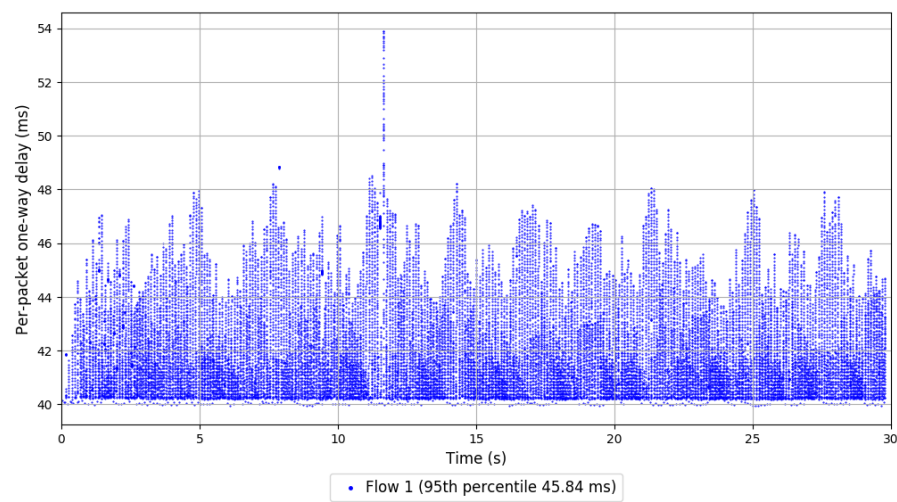
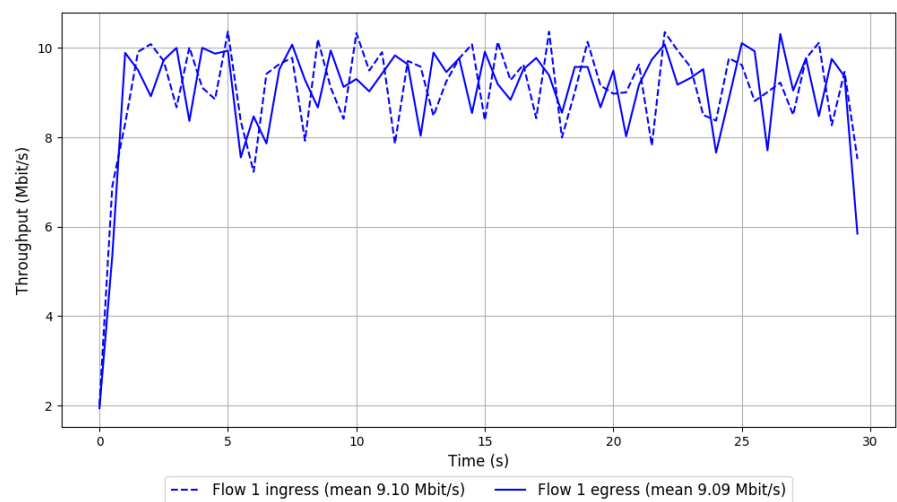
-- Flow 1:

Average throughput: 9.09 Mbit/s

95th percentile per-packet one-way delay: 45.837 ms

Loss rate: 0.35%

Run 6: Report of Sprout — Data Link

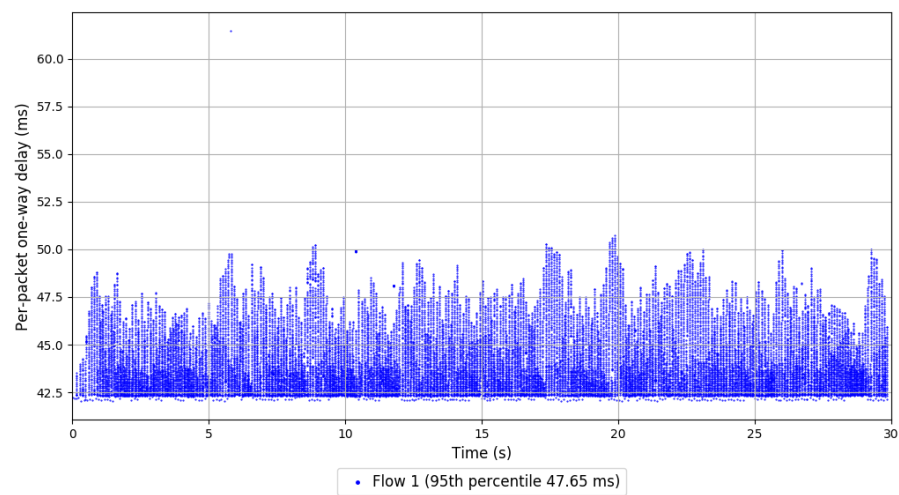
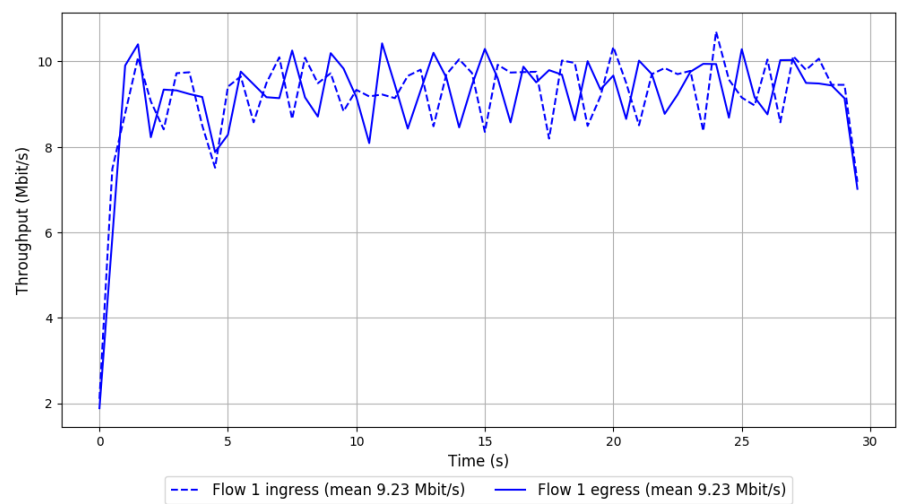


Run 7: Statistics of Sprout

Start at: 2017-08-21 20:05:22  
End at: 2017-08-21 20:05:52  
Local clock offset: 0.071 ms  
Remote clock offset: -0.663 ms

# Below is generated by plot.py at 2017-08-22 01:05:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.23 Mbit/s  
95th percentile per-packet one-way delay: 47.654 ms  
Loss rate: 0.29%  
-- Flow 1:  
Average throughput: 9.23 Mbit/s  
95th percentile per-packet one-way delay: 47.654 ms  
Loss rate: 0.29%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2017-08-21 20:25:42

End at: 2017-08-21 20:26:12

Local clock offset: -0.089 ms

Remote clock offset: 2.026 ms

# Below is generated by plot.py at 2017-08-22 01:05:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.35 Mbit/s

95th percentile per-packet one-way delay: 44.542 ms

Loss rate: 0.33%

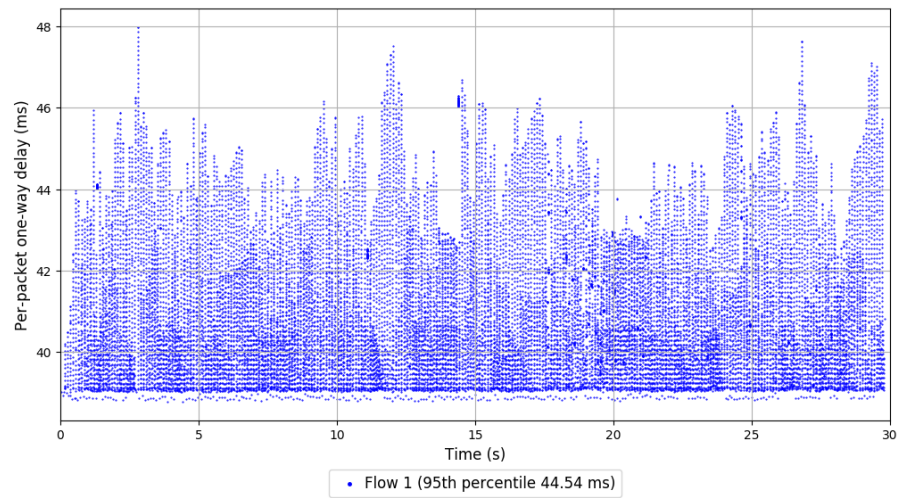
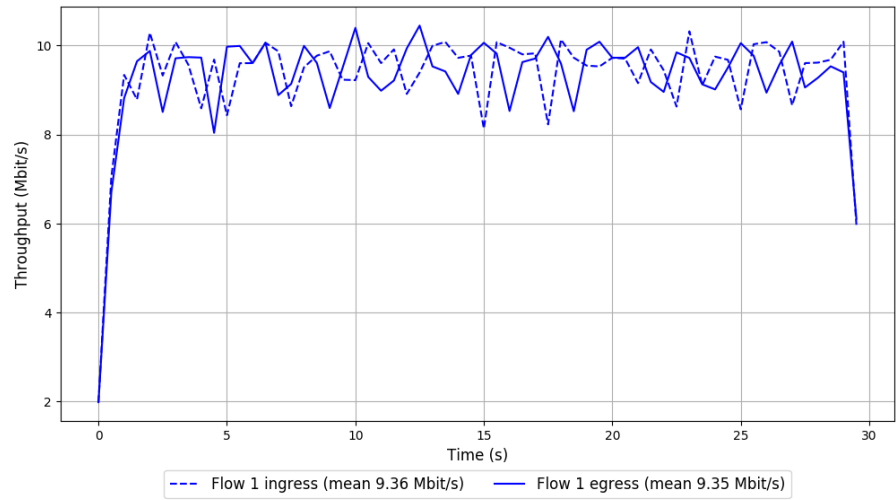
-- Flow 1:

Average throughput: 9.35 Mbit/s

95th percentile per-packet one-way delay: 44.542 ms

Loss rate: 0.33%

# Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2017-08-21 20:45:58

End at: 2017-08-21 20:46:28

Local clock offset: 0.01 ms

Remote clock offset: 1.571 ms

# Below is generated by plot.py at 2017-08-22 01:05:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.36 Mbit/s

95th percentile per-packet one-way delay: 45.062 ms

Loss rate: 0.33%

-- Flow 1:

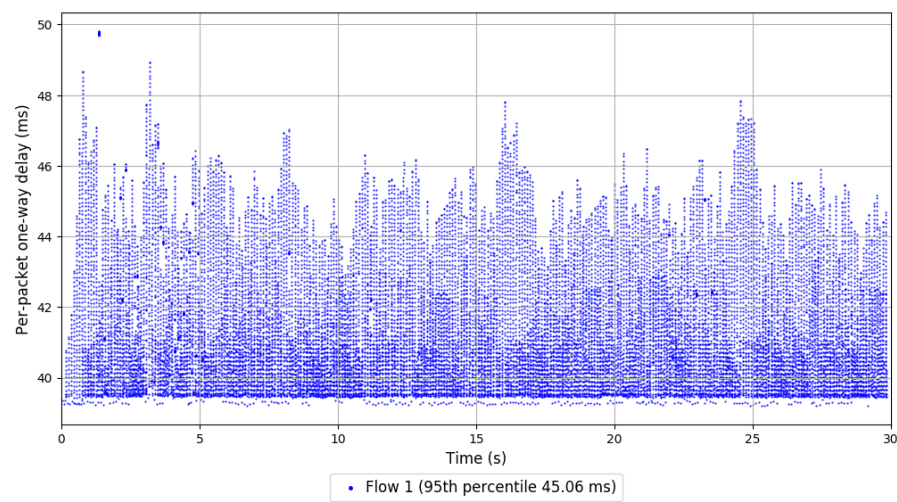
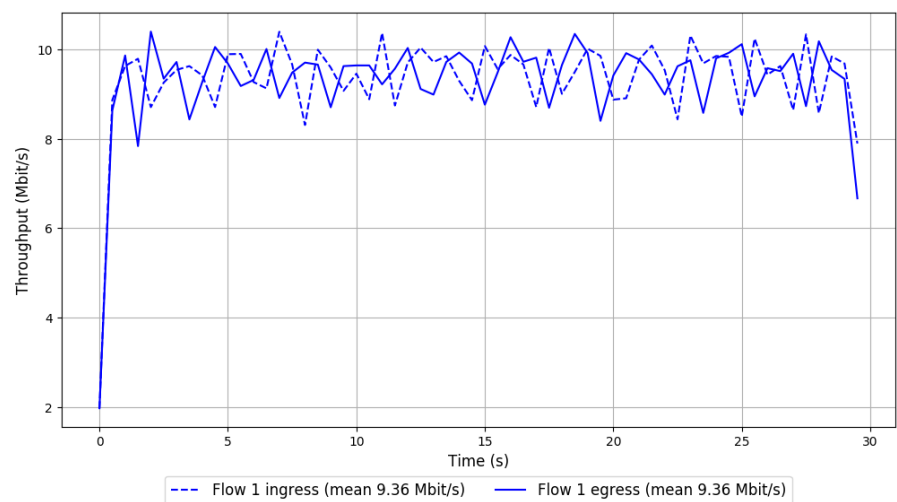
Average throughput: 9.36 Mbit/s

95th percentile per-packet one-way delay: 45.062 ms

Loss rate: 0.33%



Run 9: Report of Sprout — Data Link

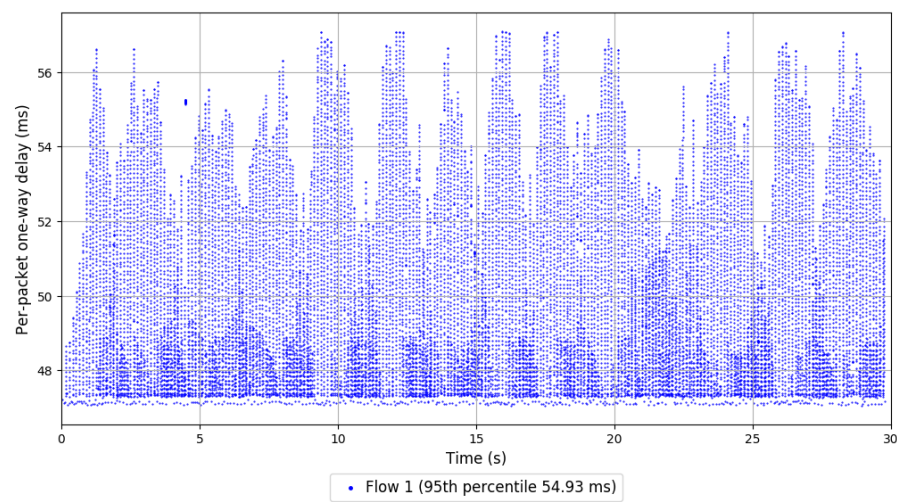
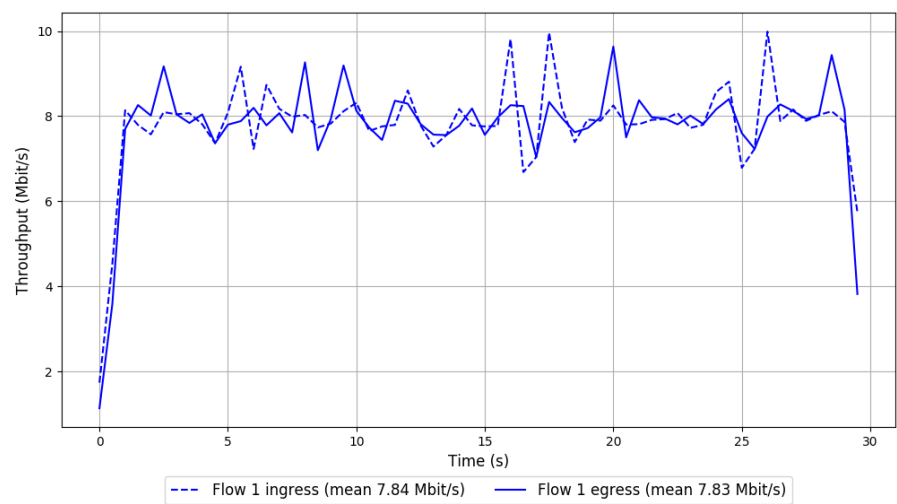


Run 10: Statistics of Sprout

Start at: 2017-08-21 21:06:13  
End at: 2017-08-21 21:06:43  
Local clock offset: 0.106 ms  
Remote clock offset: -5.585 ms

# Below is generated by plot.py at 2017-08-22 01:05:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.83 Mbit/s  
95th percentile per-packet one-way delay: 54.933 ms  
Loss rate: 0.41%  
-- Flow 1:  
Average throughput: 7.83 Mbit/s  
95th percentile per-packet one-way delay: 54.933 ms  
Loss rate: 0.41%

Run 10: Report of Sprout — Data Link

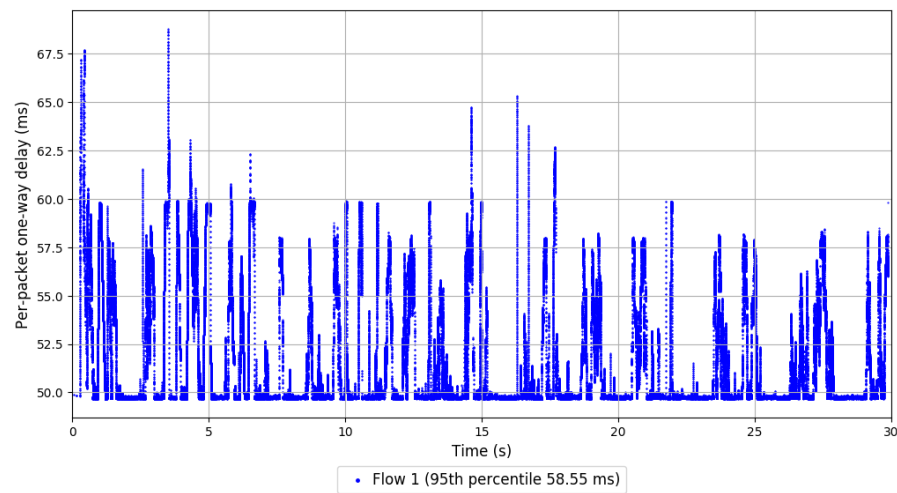
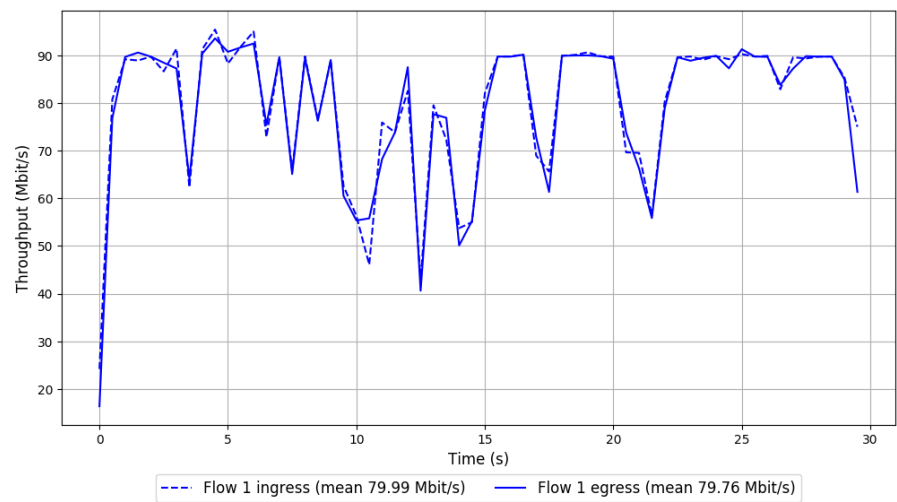


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-08-21 17:57:05
End at: 2017-08-21 17:57:35
Local clock offset: 0.412 ms
Remote clock offset: -10.504 ms

# Below is generated by plot.py at 2017-08-22 01:05:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.76 Mbit/s
95th percentile per-packet one-way delay: 58.553 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 79.76 Mbit/s
95th percentile per-packet one-way delay: 58.553 ms
Loss rate: 0.70%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2017-08-21 18:17:48

End at: 2017-08-21 18:18:18

Local clock offset: 0.349 ms

Remote clock offset: -6.148 ms

# Below is generated by plot.py at 2017-08-22 01:05:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.74 Mbit/s

95th percentile per-packet one-way delay: 55.165 ms

Loss rate: 0.37%

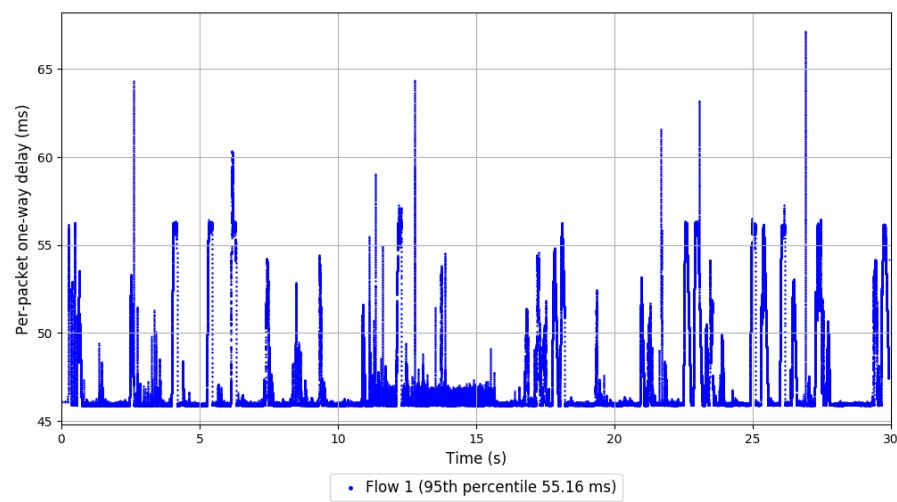
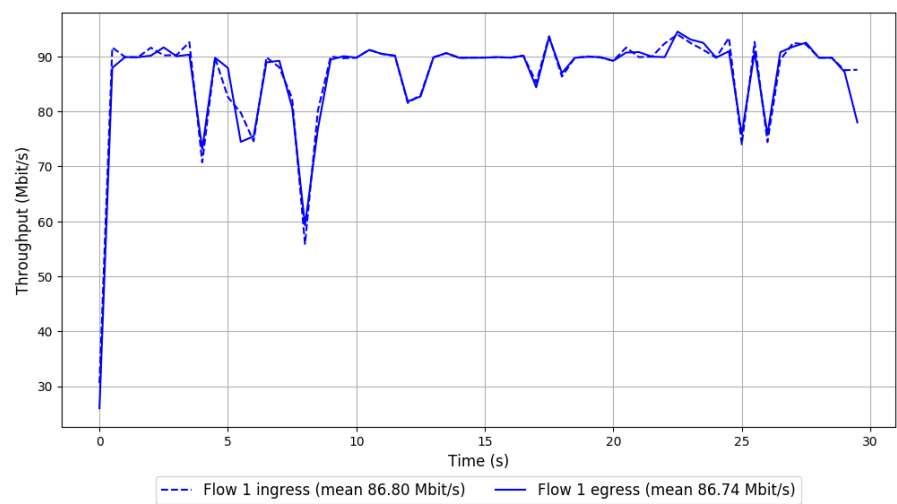
-- Flow 1:

Average throughput: 86.74 Mbit/s

95th percentile per-packet one-way delay: 55.165 ms

Loss rate: 0.37%

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



Run 3: Statistics of TaoVA-100x

Start at: 2017-08-21 18:37:55

End at: 2017-08-21 18:38:25

Local clock offset: 0.434 ms

Remote clock offset: 0.833 ms

# Below is generated by plot.py at 2017-08-22 01:06:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.94 Mbit/s

95th percentile per-packet one-way delay: 50.534 ms

Loss rate: 0.56%

-- Flow 1:

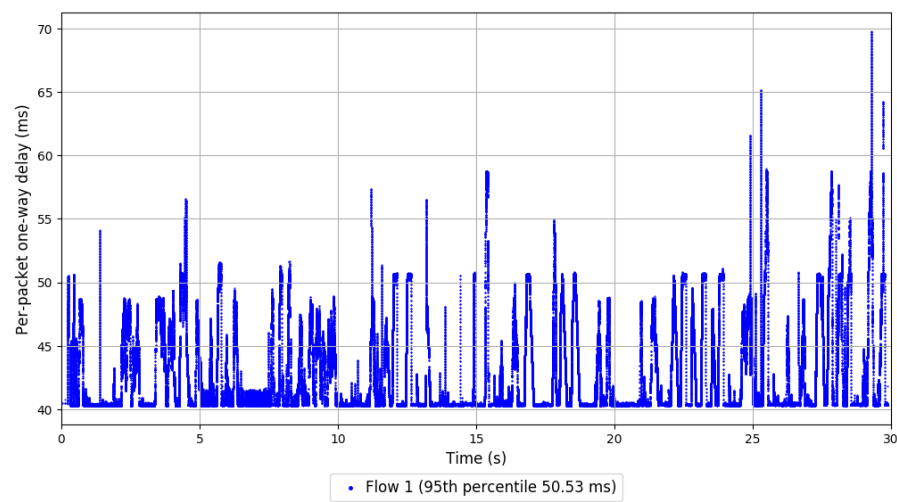
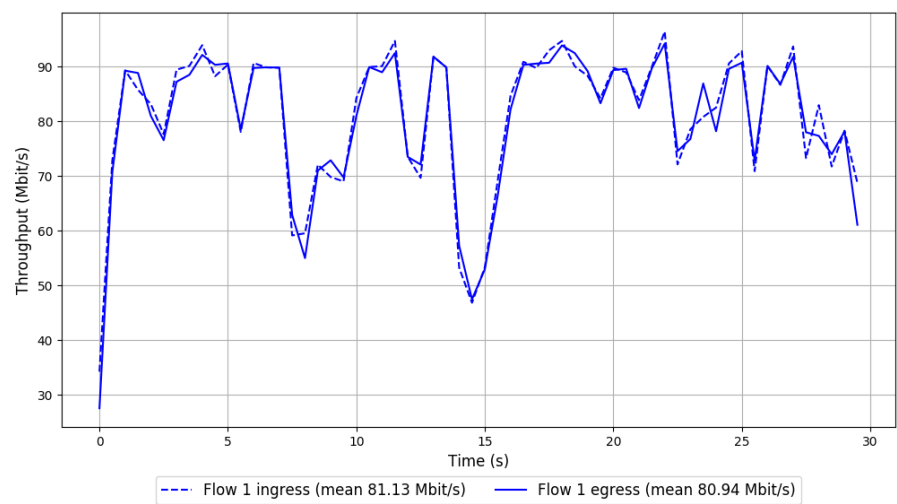
Average throughput: 80.94 Mbit/s

95th percentile per-packet one-way delay: 50.534 ms

Loss rate: 0.56%



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



Run 4: Statistics of TaoVA-100x

Start at: 2017-08-21 18:58:09

End at: 2017-08-21 18:58:39

Local clock offset: 0.395 ms

Remote clock offset: 1.087 ms

# Below is generated by plot.py at 2017-08-22 01:06:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.87 Mbit/s

95th percentile per-packet one-way delay: 49.787 ms

Loss rate: 0.38%

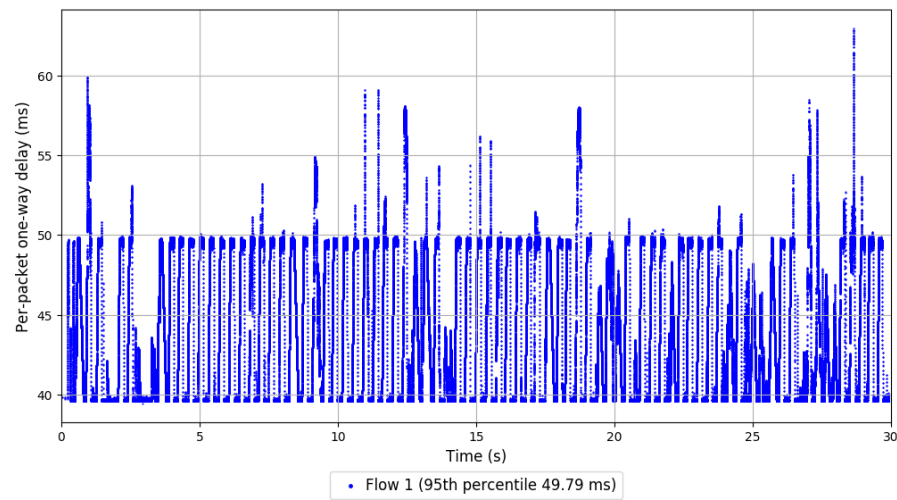
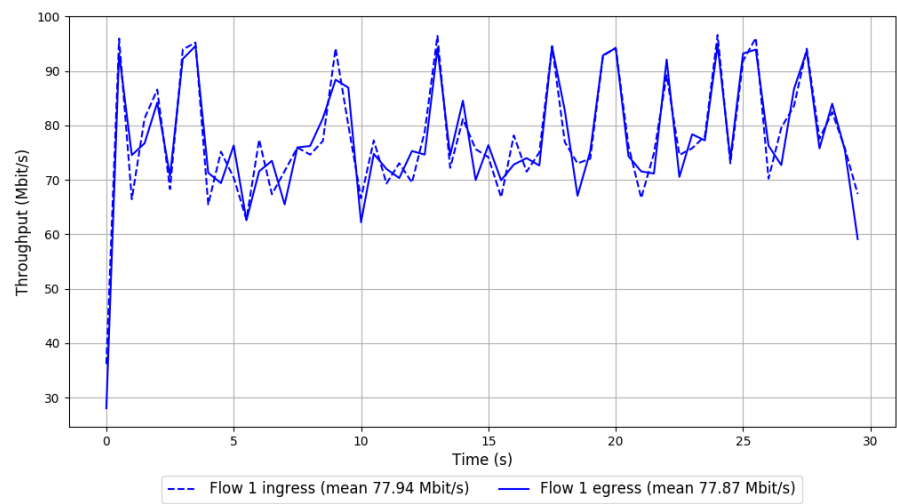
-- Flow 1:

Average throughput: 77.87 Mbit/s

95th percentile per-packet one-way delay: 49.787 ms

Loss rate: 0.38%

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



Run 5: Statistics of TaoVA-100x

Start at: 2017-08-21 19:18:55

End at: 2017-08-21 19:19:25

Local clock offset: 0.414 ms

Remote clock offset: 1.904 ms

# Below is generated by plot.py at 2017-08-22 01:06:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.67 Mbit/s

95th percentile per-packet one-way delay: 49.942 ms

Loss rate: 0.44%

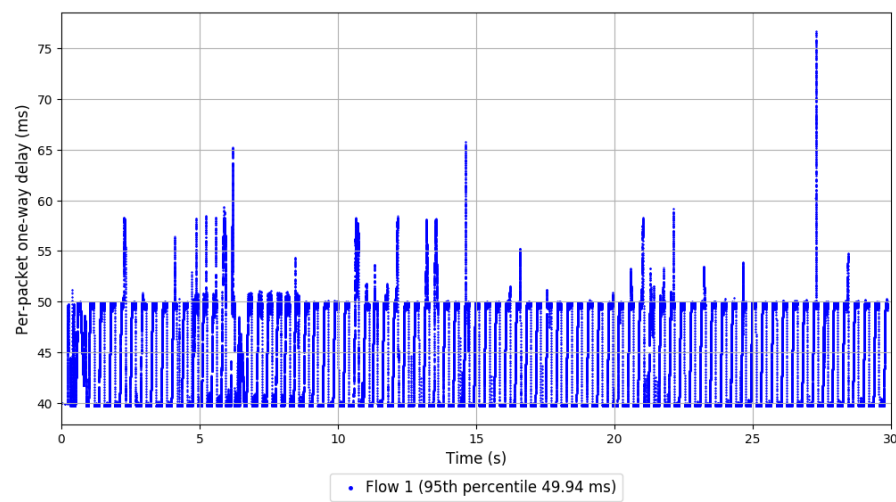
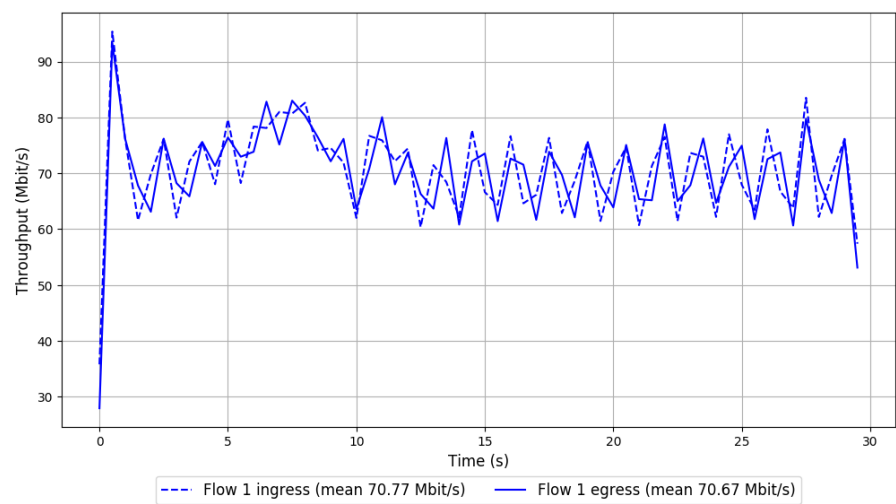
-- Flow 1:

Average throughput: 70.67 Mbit/s

95th percentile per-packet one-way delay: 49.942 ms

Loss rate: 0.44%

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



Run 6: Statistics of TaoVA-100x

Start at: 2017-08-21 19:39:24

End at: 2017-08-21 19:39:54

Local clock offset: 0.317 ms

Remote clock offset: -0.646 ms

# Below is generated by plot.py at 2017-08-22 01:06:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.38 Mbit/s

95th percentile per-packet one-way delay: 52.745 ms

Loss rate: 0.26%

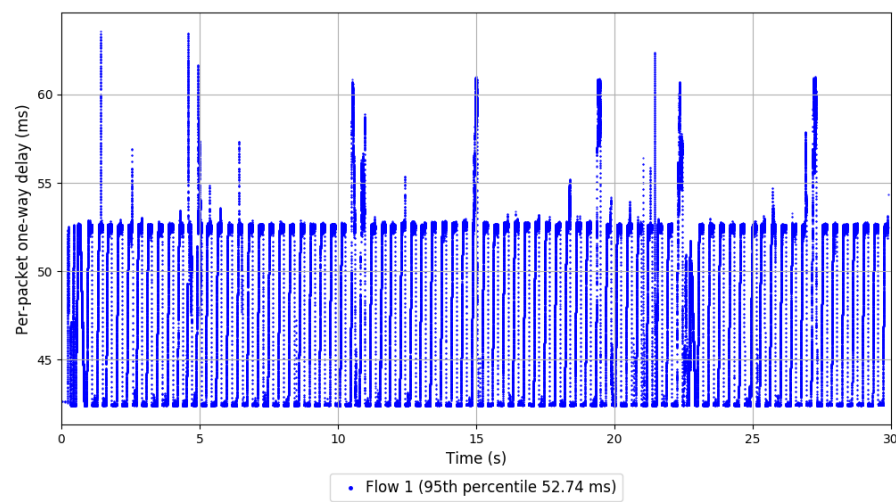
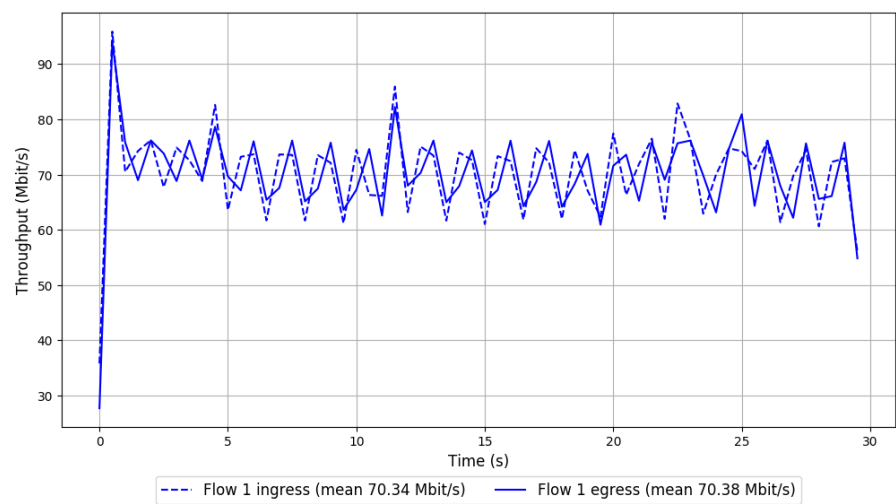
-- Flow 1:

Average throughput: 70.38 Mbit/s

95th percentile per-packet one-way delay: 52.745 ms

Loss rate: 0.26%

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



Run 7: Statistics of TaoVA-100x

Start at: 2017-08-21 19:59:55

End at: 2017-08-21 20:00:25

Local clock offset: 0.199 ms

Remote clock offset: 1.323 ms

# Below is generated by plot.py at 2017-08-22 01:06:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.59 Mbit/s

95th percentile per-packet one-way delay: 49.869 ms

Loss rate: 0.49%

-- Flow 1:

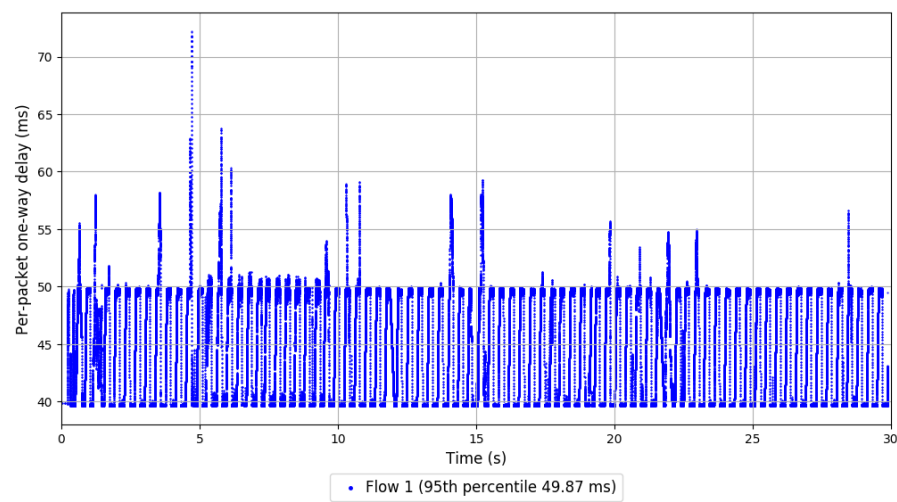
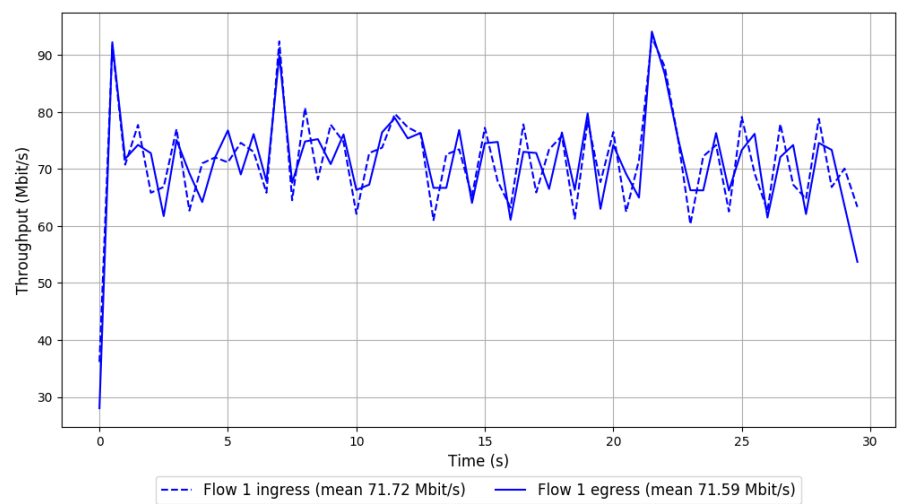
Average throughput: 71.59 Mbit/s

95th percentile per-packet one-way delay: 49.869 ms

Loss rate: 0.49%



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

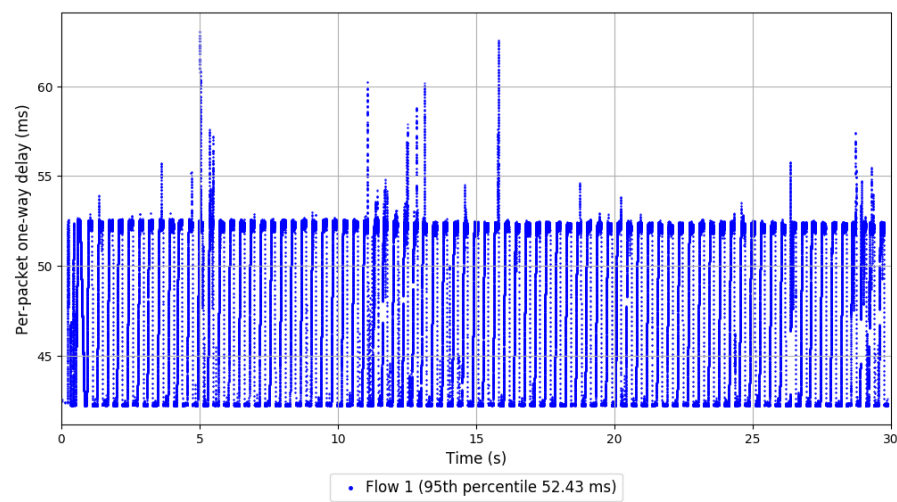
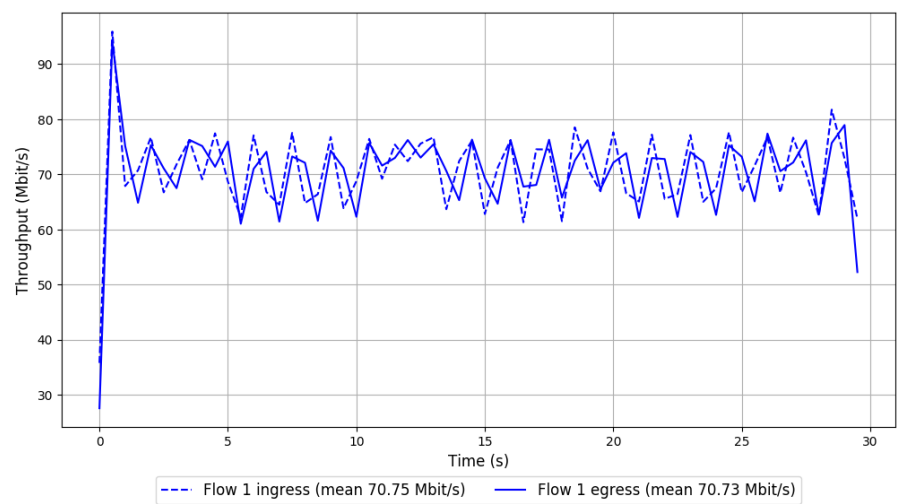


Run 8: Statistics of TaoVA-100x

Start at: 2017-08-21 20:20:15  
End at: 2017-08-21 20:20:45  
Local clock offset: -0.079 ms  
Remote clock offset: -0.572 ms

# Below is generated by plot.py at 2017-08-22 01:06:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.73 Mbit/s  
95th percentile per-packet one-way delay: 52.429 ms  
Loss rate: 0.32%  
-- Flow 1:  
Average throughput: 70.73 Mbit/s  
95th percentile per-packet one-way delay: 52.429 ms  
Loss rate: 0.32%

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

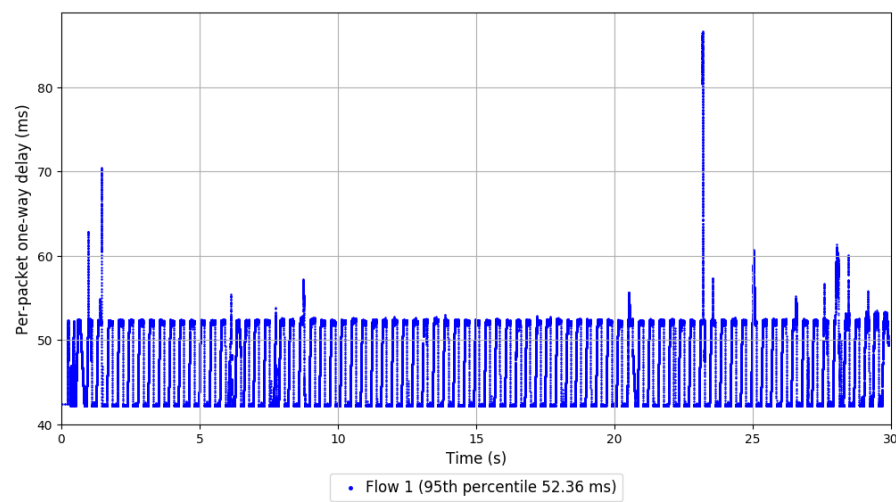
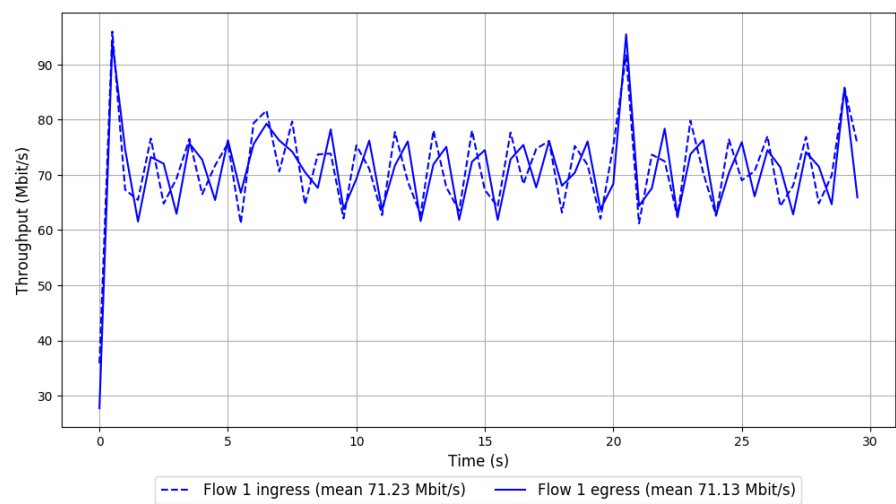


Run 9: Statistics of TaoVA-100x

Start at: 2017-08-21 20:40:32  
End at: 2017-08-21 20:41:02  
Local clock offset: -0.09 ms  
Remote clock offset: -0.526 ms

# Below is generated by plot.py at 2017-08-22 01:07:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 71.13 Mbit/s  
95th percentile per-packet one-way delay: 52.356 ms  
Loss rate: 0.45%  
-- Flow 1:  
Average throughput: 71.13 Mbit/s  
95th percentile per-packet one-way delay: 52.356 ms  
Loss rate: 0.45%

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



Run 10: Statistics of TaoVA-100x

Start at: 2017-08-21 21:00:44

End at: 2017-08-21 21:01:14

Local clock offset: 0.005 ms

Remote clock offset: -3.431 ms

# Below is generated by plot.py at 2017-08-22 01:07:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.51 Mbit/s

95th percentile per-packet one-way delay: 55.259 ms

Loss rate: 0.50%

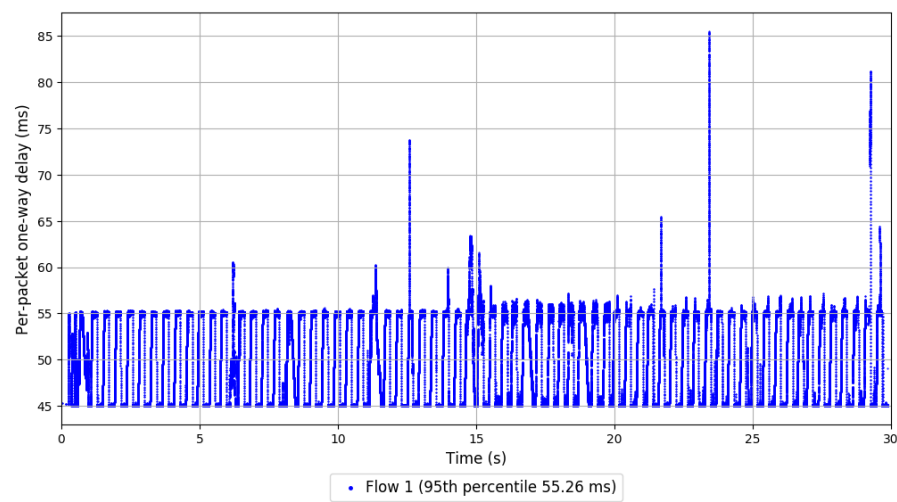
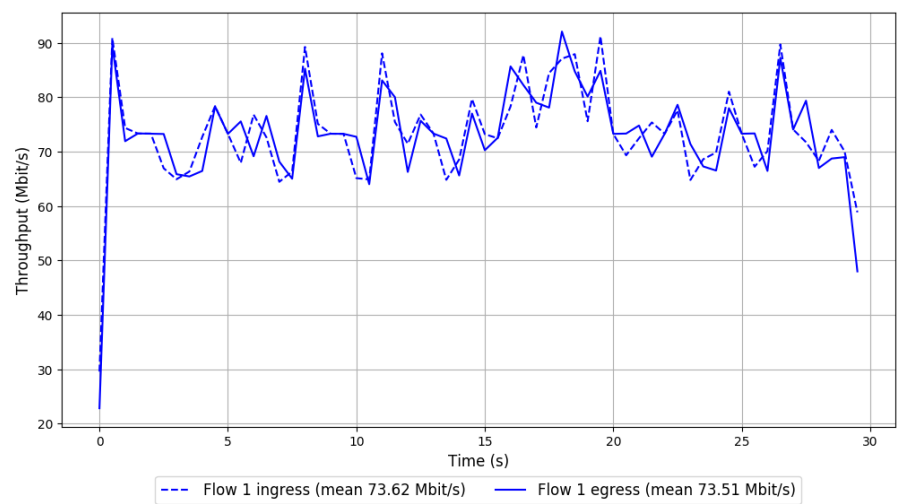
-- Flow 1:

Average throughput: 73.51 Mbit/s

95th percentile per-packet one-way delay: 55.259 ms

Loss rate: 0.50%

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



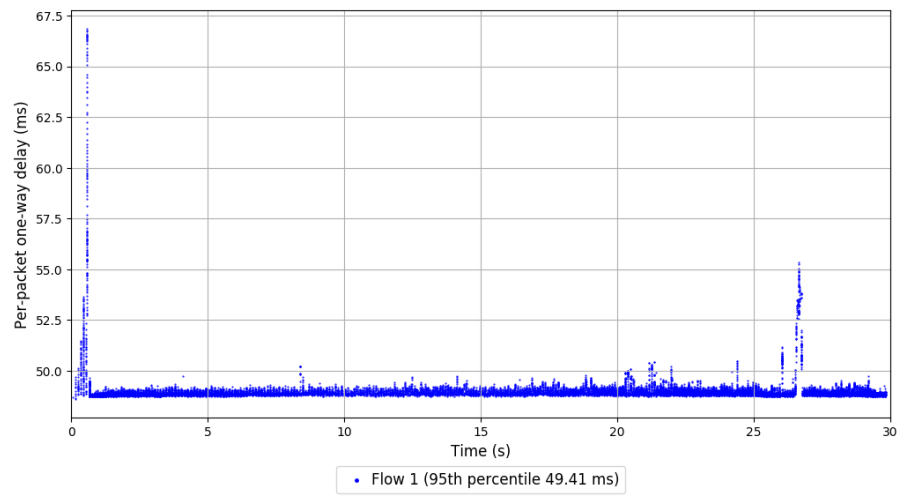
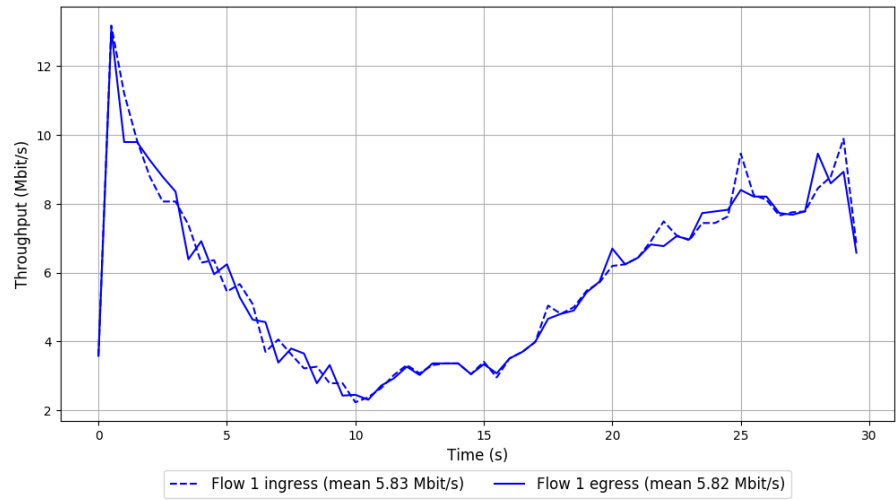
Run 1: Statistics of TCP Vegas

Start at: 2017-08-21 18:05:40  
End at: 2017-08-21 18:06:10  
Local clock offset: 0.434 ms  
Remote clock offset: -9.174 ms

# Below is generated by plot.py at 2017-08-22 01:07:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 5.82 Mbit/s  
95th percentile per-packet one-way delay: 49.405 ms  
Loss rate: 0.50%  
-- Flow 1:  
Average throughput: 5.82 Mbit/s  
95th percentile per-packet one-way delay: 49.405 ms  
Loss rate: 0.50%



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



Run 2: Statistics of TCP Vegas

Start at: 2017-08-21 18:25:55

End at: 2017-08-21 18:26:25

Local clock offset: 0.426 ms

Remote clock offset: 0.859 ms

# Below is generated by plot.py at 2017-08-22 01:07:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.31 Mbit/s

95th percentile per-packet one-way delay: 40.089 ms

Loss rate: 0.33%

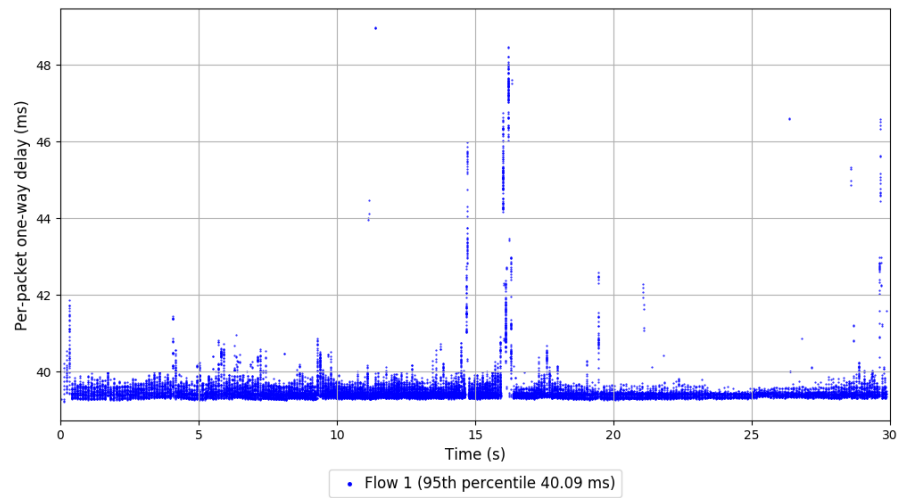
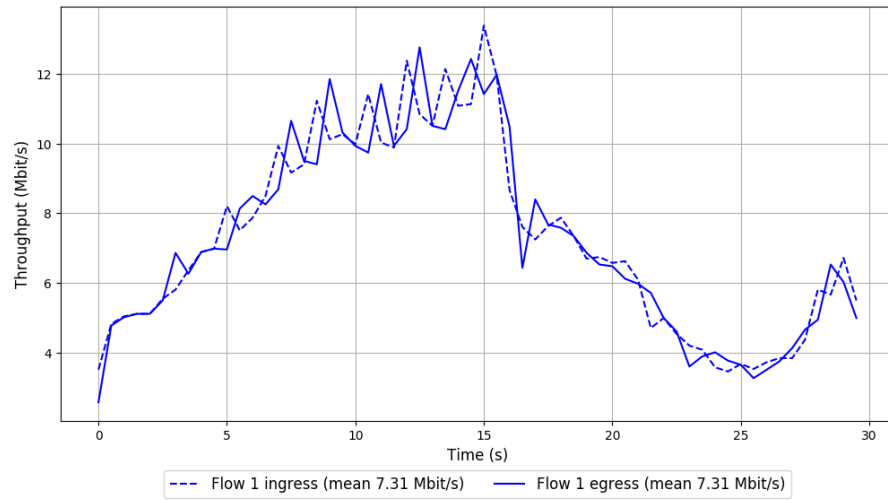
-- Flow 1:

Average throughput: 7.31 Mbit/s

95th percentile per-packet one-way delay: 40.089 ms

Loss rate: 0.33%

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



Run 3: Statistics of TCP Vegas

Start at: 2017-08-21 18:45:57

End at: 2017-08-21 18:46:27

Local clock offset: 0.434 ms

Remote clock offset: 0.25 ms

# Below is generated by plot.py at 2017-08-22 01:07:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 18.83 Mbit/s

95th percentile per-packet one-way delay: 42.782 ms

Loss rate: 0.32%

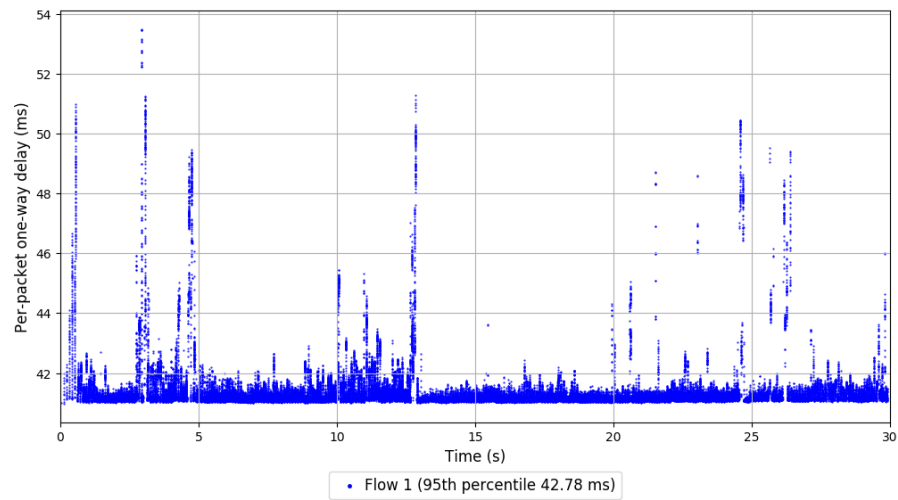
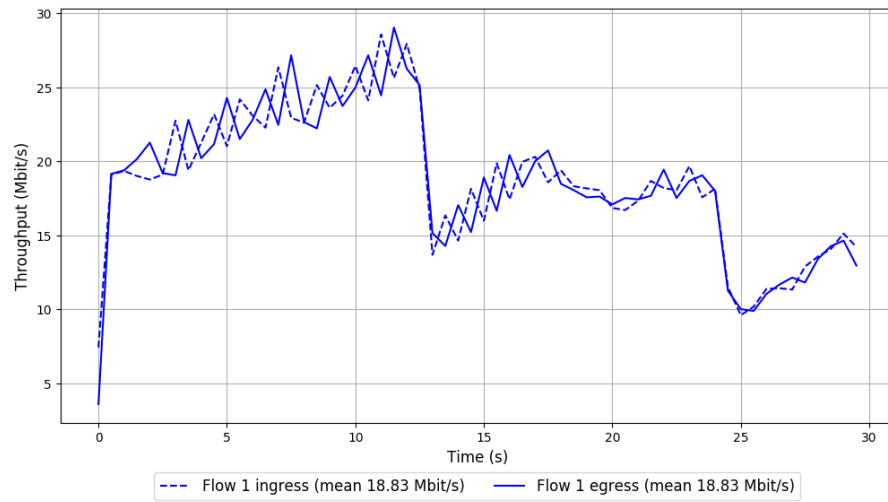
-- Flow 1:

Average throughput: 18.83 Mbit/s

95th percentile per-packet one-way delay: 42.782 ms

Loss rate: 0.32%

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



Run 4: Statistics of TCP Vegas

Start at: 2017-08-21 19:06:36

End at: 2017-08-21 19:07:06

Local clock offset: 0.308 ms

Remote clock offset: 1.265 ms

# Below is generated by plot.py at 2017-08-22 01:07:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 29.23 Mbit/s

95th percentile per-packet one-way delay: 42.389 ms

Loss rate: 0.40%

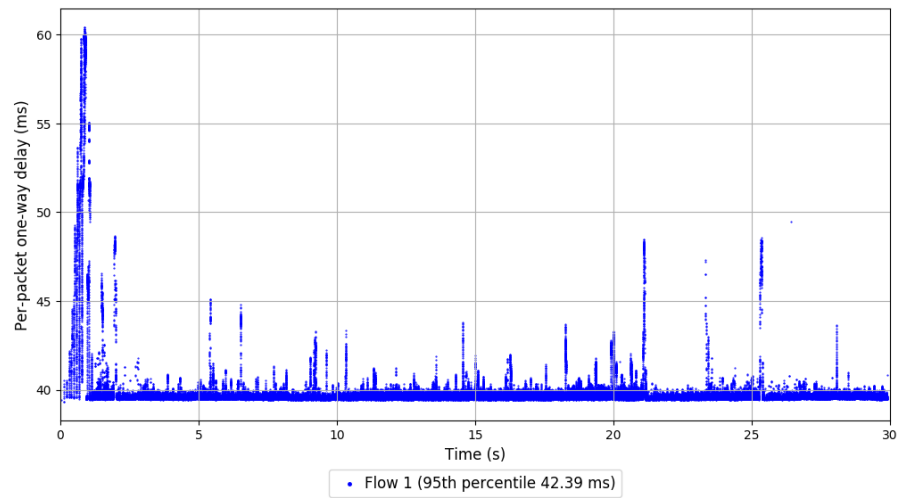
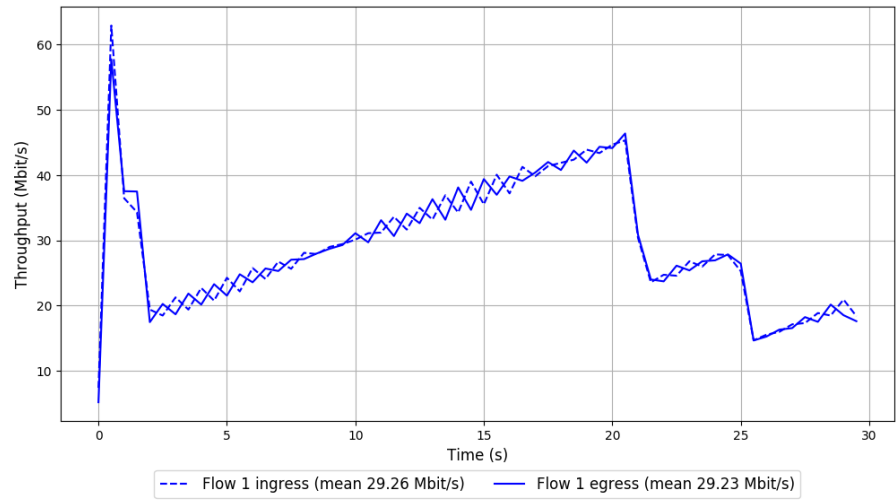
-- Flow 1:

Average throughput: 29.23 Mbit/s

95th percentile per-packet one-way delay: 42.389 ms

Loss rate: 0.40%

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



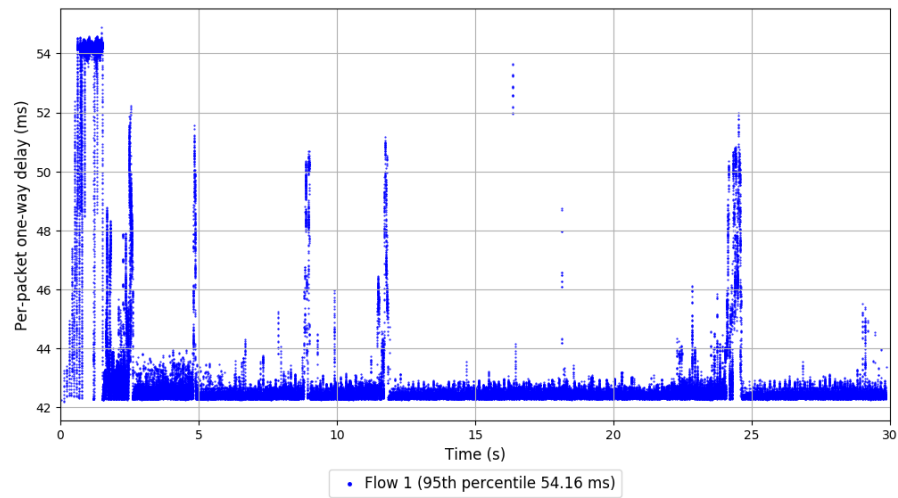
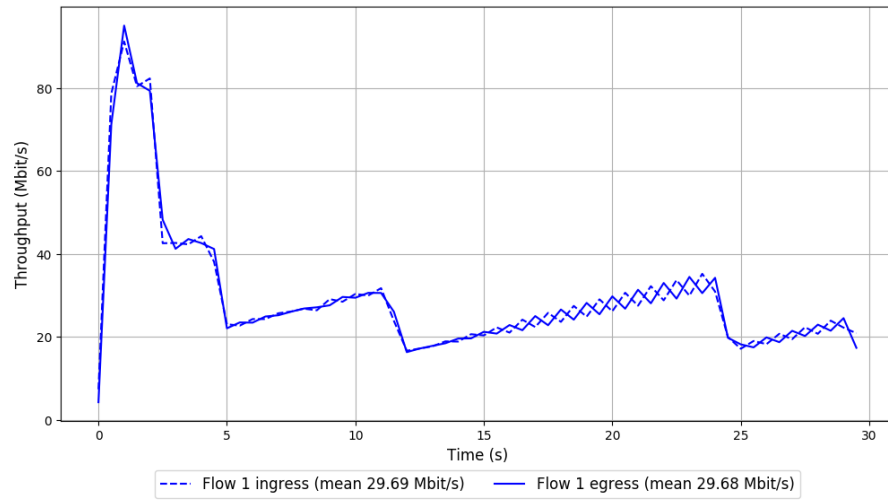
Run 5: Statistics of TCP Vegas

Start at: 2017-08-21 19:26:57  
End at: 2017-08-21 19:27:27  
Local clock offset: 0.297 ms  
Remote clock offset: -0.475 ms

# Below is generated by plot.py at 2017-08-22 01:07:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 29.68 Mbit/s  
95th percentile per-packet one-way delay: 54.164 ms  
Loss rate: 0.30%  
-- Flow 1:  
Average throughput: 29.68 Mbit/s  
95th percentile per-packet one-way delay: 54.164 ms  
Loss rate: 0.30%



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



Run 6: Statistics of TCP Vegas

Start at: 2017-08-21 19:47:41

End at: 2017-08-21 19:48:11

Local clock offset: 0.164 ms

Remote clock offset: 1.947 ms

# Below is generated by plot.py at 2017-08-22 01:07:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 62.36 Mbit/s

95th percentile per-packet one-way delay: 45.626 ms

Loss rate: 0.39%

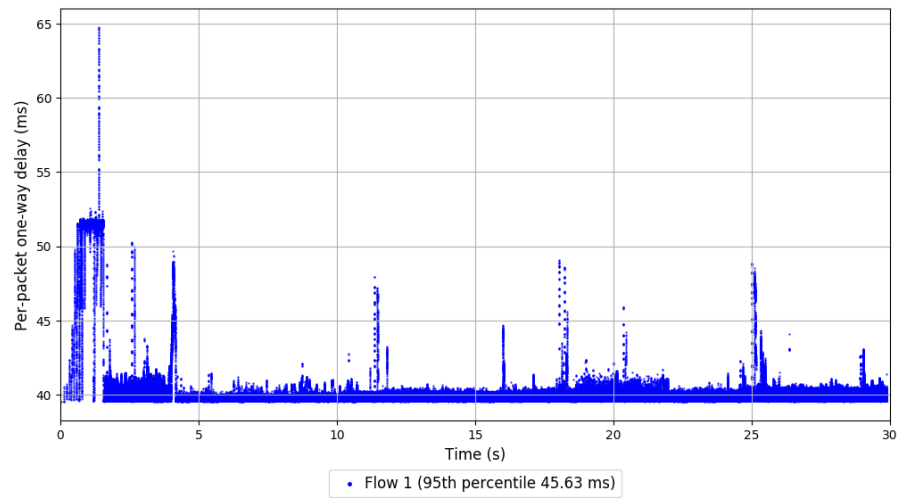
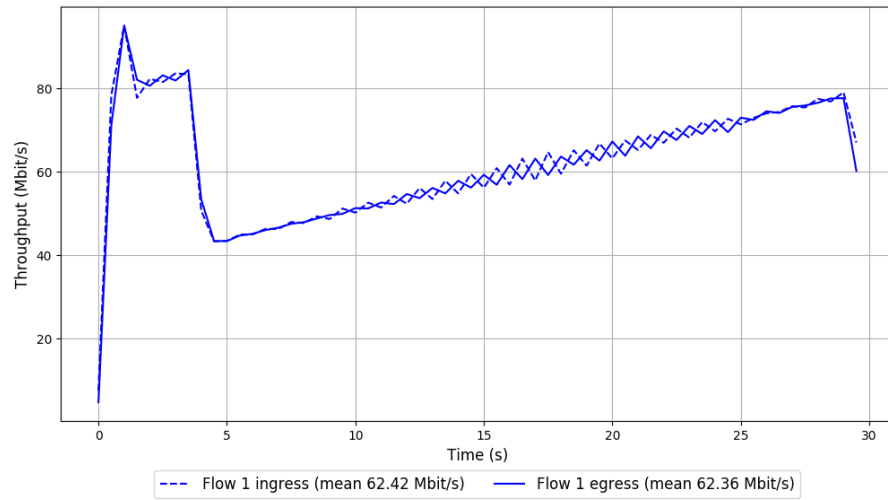
-- Flow 1:

Average throughput: 62.36 Mbit/s

95th percentile per-packet one-way delay: 45.626 ms

Loss rate: 0.39%

# Run 6: Report of TCP Vegas — Data Link

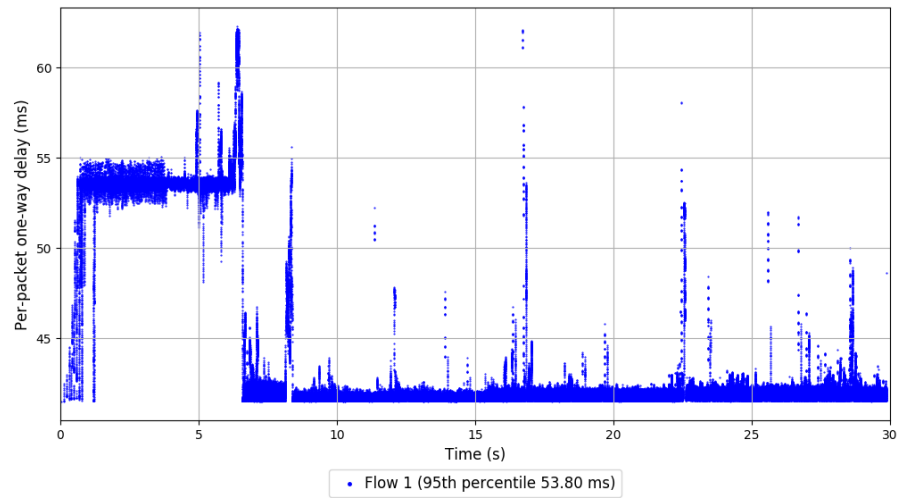
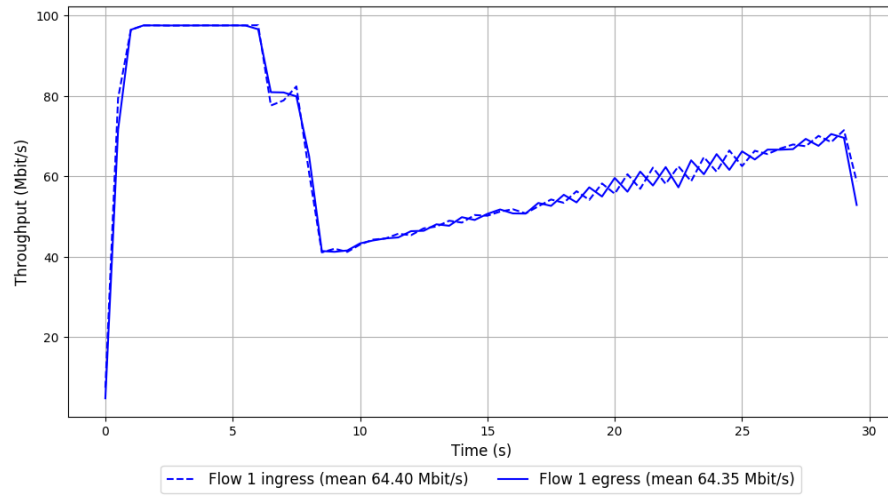


Run 7: Statistics of TCP Vegas

Start at: 2017-08-21 20:08:00  
End at: 2017-08-21 20:08:30  
Local clock offset: 0.014 ms  
Remote clock offset: -0.681 ms

# Below is generated by plot.py at 2017-08-22 01:07:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 64.35 Mbit/s  
95th percentile per-packet one-way delay: 53.804 ms  
Loss rate: 0.36%  
-- Flow 1:  
Average throughput: 64.35 Mbit/s  
95th percentile per-packet one-way delay: 53.804 ms  
Loss rate: 0.36%

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

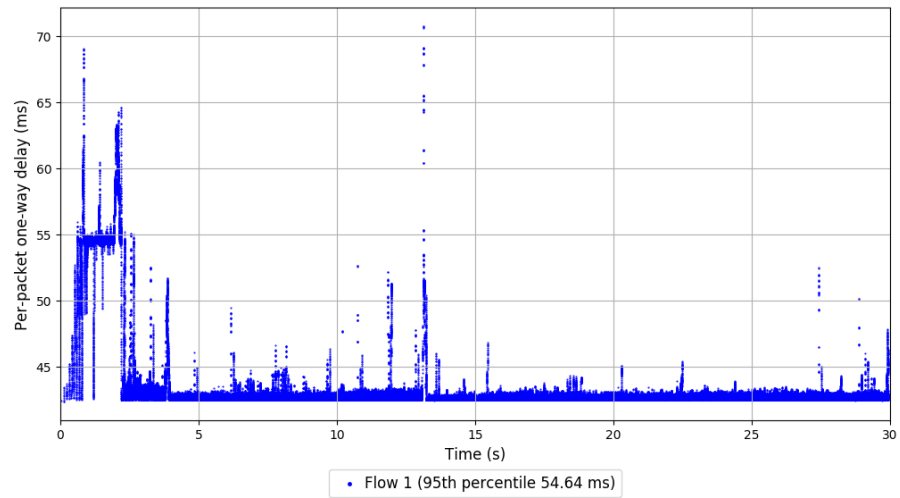
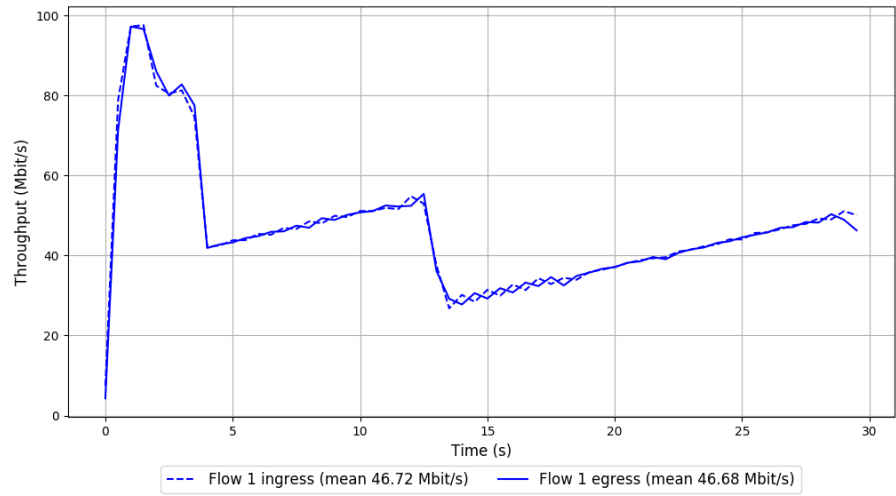


Run 8: Statistics of TCP Vegas

Start at: 2017-08-21 20:28:21  
End at: 2017-08-21 20:28:51  
Local clock offset: -0.016 ms  
Remote clock offset: -0.611 ms

# Below is generated by plot.py at 2017-08-22 01:07:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.68 Mbit/s  
95th percentile per-packet one-way delay: 54.642 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 46.68 Mbit/s  
95th percentile per-packet one-way delay: 54.642 ms  
Loss rate: 0.40%

# Run 8: Report of TCP Vegas — Data Link



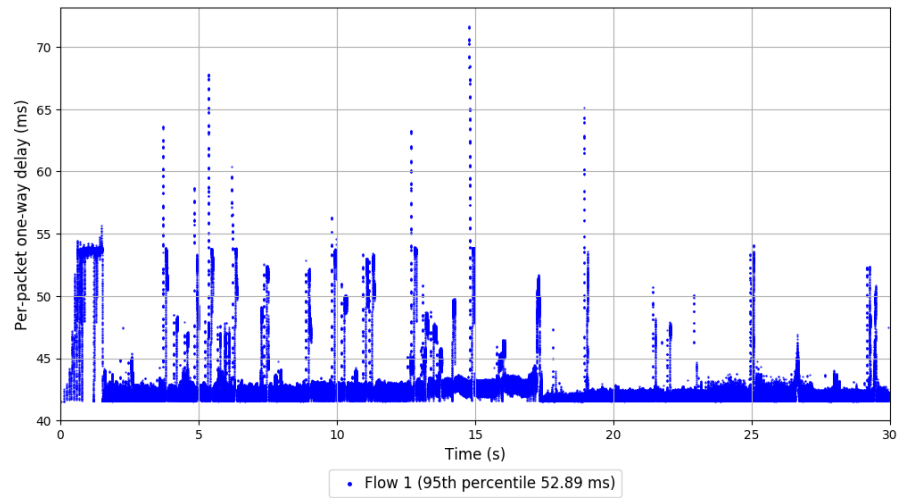
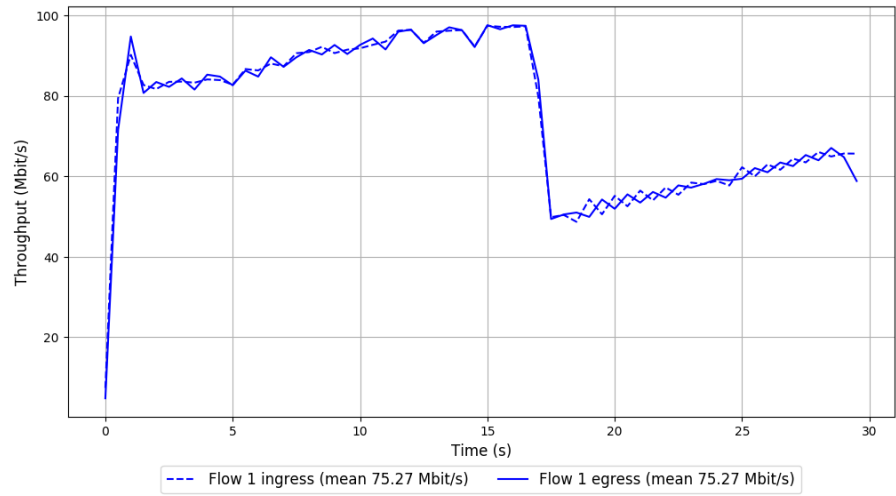
Run 9: Statistics of TCP Vegas

Start at: 2017-08-21 20:48:37  
End at: 2017-08-21 20:49:07  
Local clock offset: -0.025 ms  
Remote clock offset: -0.661 ms

# Below is generated by plot.py at 2017-08-22 01:07:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 75.27 Mbit/s  
95th percentile per-packet one-way delay: 52.888 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 75.27 Mbit/s  
95th percentile per-packet one-way delay: 52.888 ms  
Loss rate: 0.27%



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

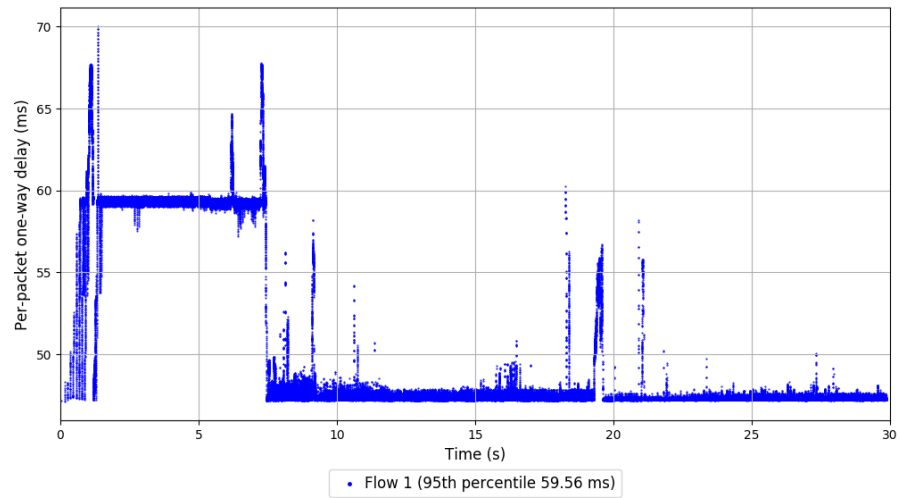
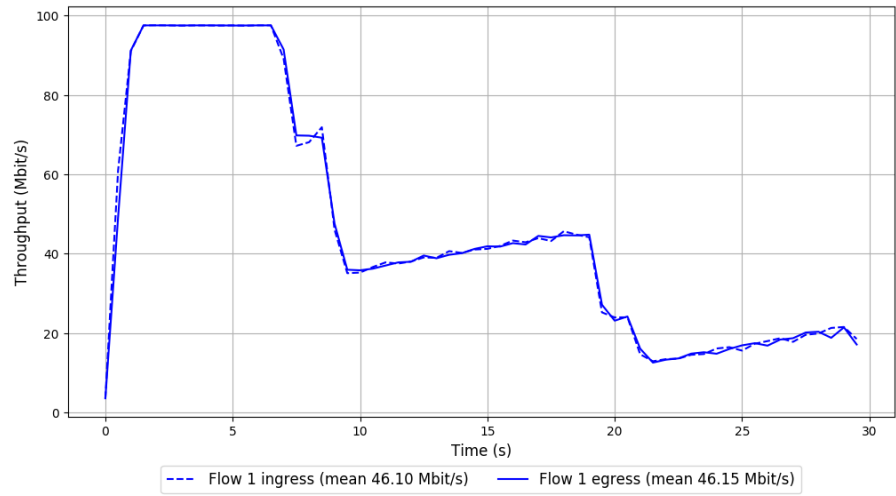


Run 10: Statistics of TCP Vegas

Start at: 2017-08-21 21:08:51  
End at: 2017-08-21 21:09:21  
Local clock offset: 0.012 ms  
Remote clock offset: -5.634 ms

# Below is generated by plot.py at 2017-08-22 01:07:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.15 Mbit/s  
95th percentile per-packet one-way delay: 59.560 ms  
Loss rate: 0.25%  
-- Flow 1:  
Average throughput: 46.15 Mbit/s  
95th percentile per-packet one-way delay: 59.560 ms  
Loss rate: 0.25%

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



Run 1: Statistics of Verus

Start at: 2017-08-21 17:52:50

End at: 2017-08-21 17:53:20

Local clock offset: 0.422 ms

Remote clock offset: -2.86 ms

# Below is generated by plot.py at 2017-08-22 01:07:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.47 Mbit/s

95th percentile per-packet one-way delay: 61.741 ms

Loss rate: 0.99%

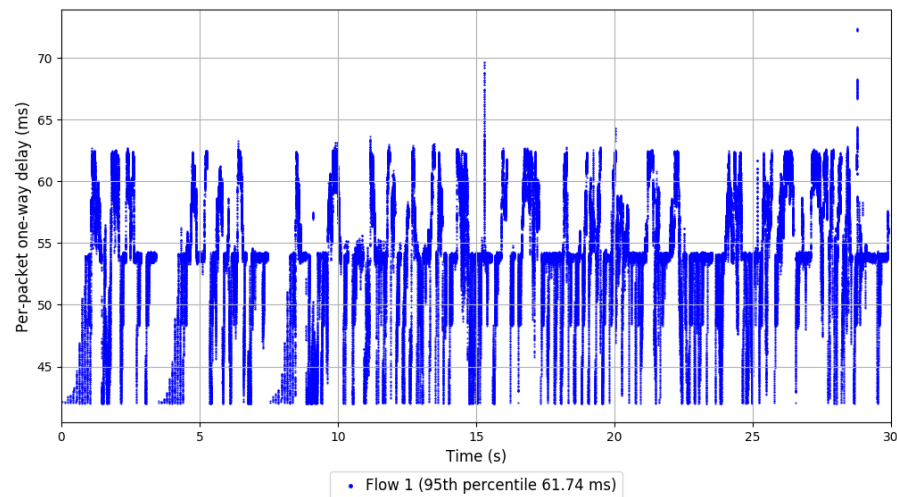
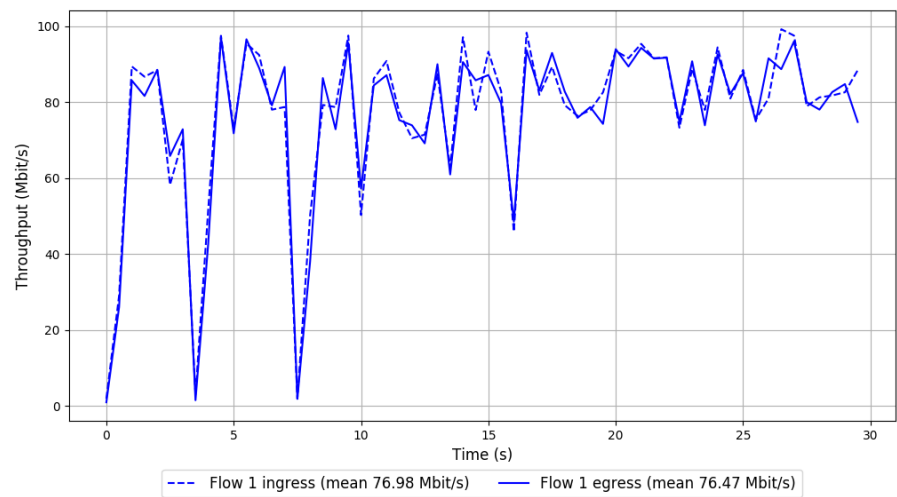
-- Flow 1:

Average throughput: 76.47 Mbit/s

95th percentile per-packet one-way delay: 61.741 ms

Loss rate: 0.99%

Run 1: Report of Verus — Data Link

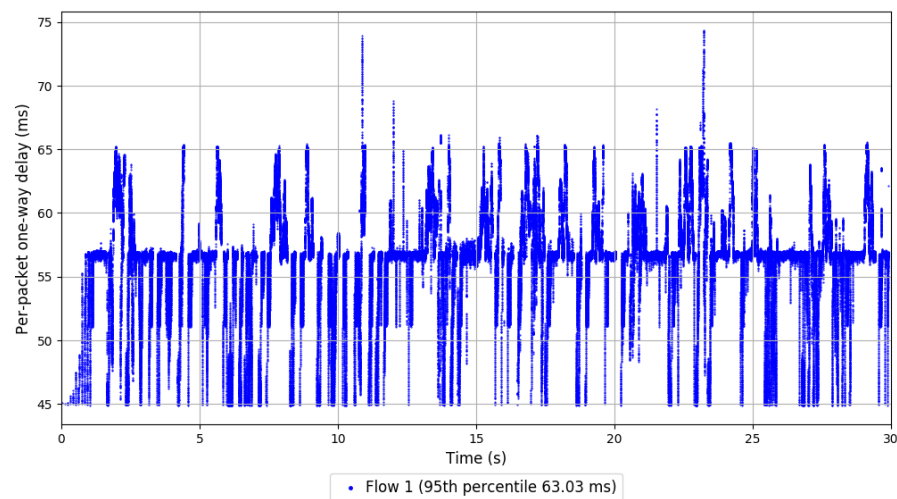
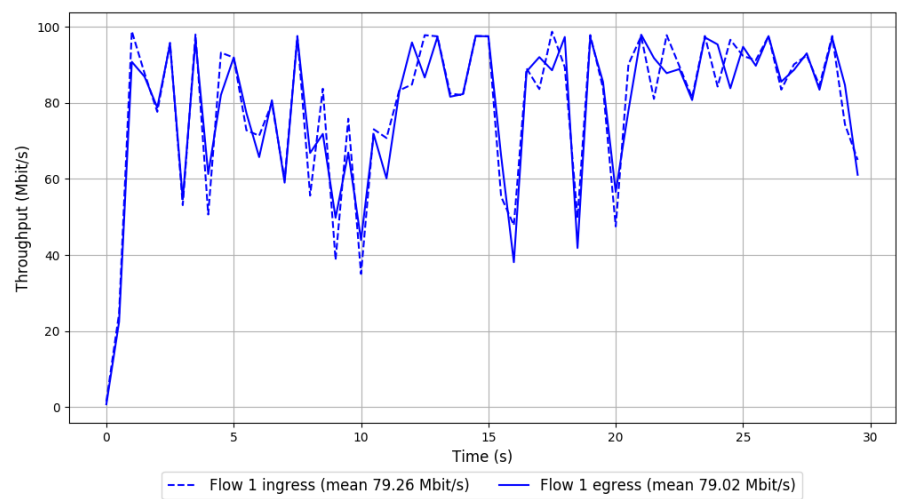


Run 2: Statistics of Verus

Start at: 2017-08-21 18:13:46  
End at: 2017-08-21 18:14:16  
Local clock offset: 0.342 ms  
Remote clock offset: -5.138 ms

# Below is generated by plot.py at 2017-08-22 01:07:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.02 Mbit/s  
95th percentile per-packet one-way delay: 63.034 ms  
Loss rate: 0.31%  
-- Flow 1:  
Average throughput: 79.02 Mbit/s  
95th percentile per-packet one-way delay: 63.034 ms  
Loss rate: 0.31%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2017-08-21 18:33:59

End at: 2017-08-21 18:34:29

Local clock offset: 0.346 ms

Remote clock offset: -7.69 ms

# Below is generated by plot.py at 2017-08-22 01:07:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 64.94 Mbit/s

95th percentile per-packet one-way delay: 66.311 ms

Loss rate: 0.84%

-- Flow 1:

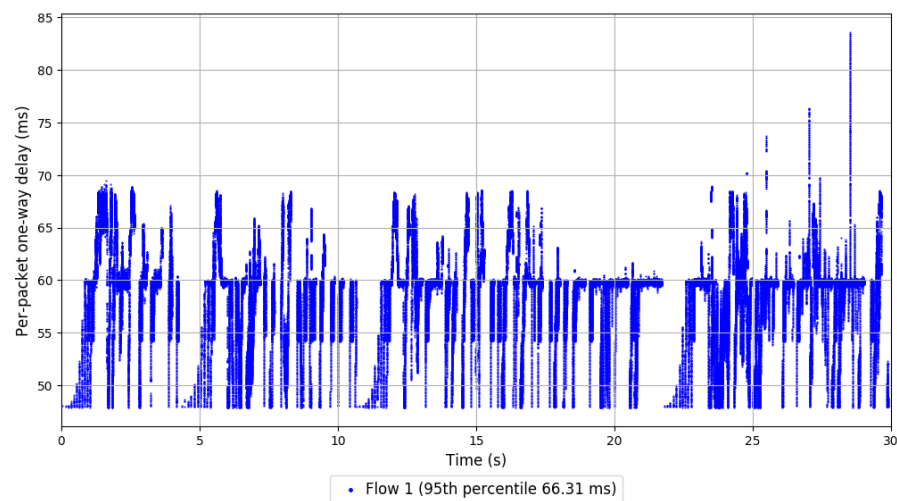
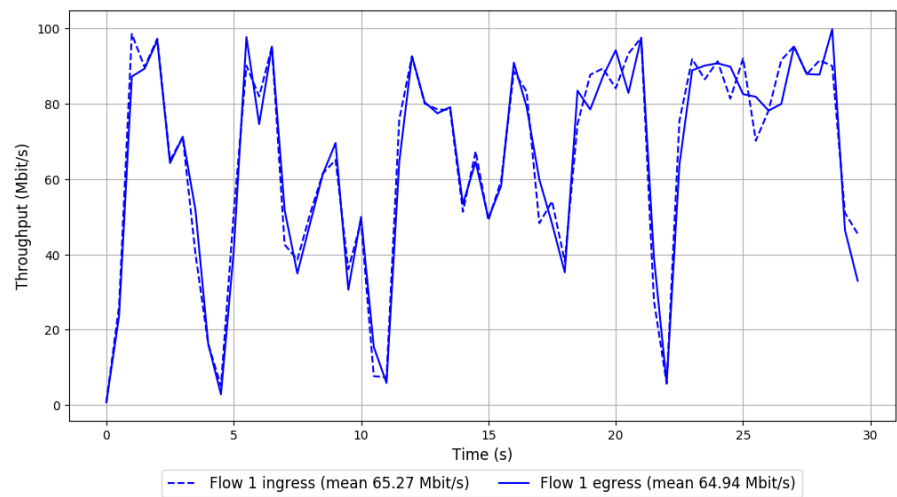
Average throughput: 64.94 Mbit/s

95th percentile per-packet one-way delay: 66.311 ms

Loss rate: 0.84%



Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2017-08-21 18:54:10

End at: 2017-08-21 18:54:40

Local clock offset: 0.318 ms

Remote clock offset: 1.606 ms

# Below is generated by plot.py at 2017-08-22 01:08:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.30 Mbit/s

95th percentile per-packet one-way delay: 56.529 ms

Loss rate: 0.55%

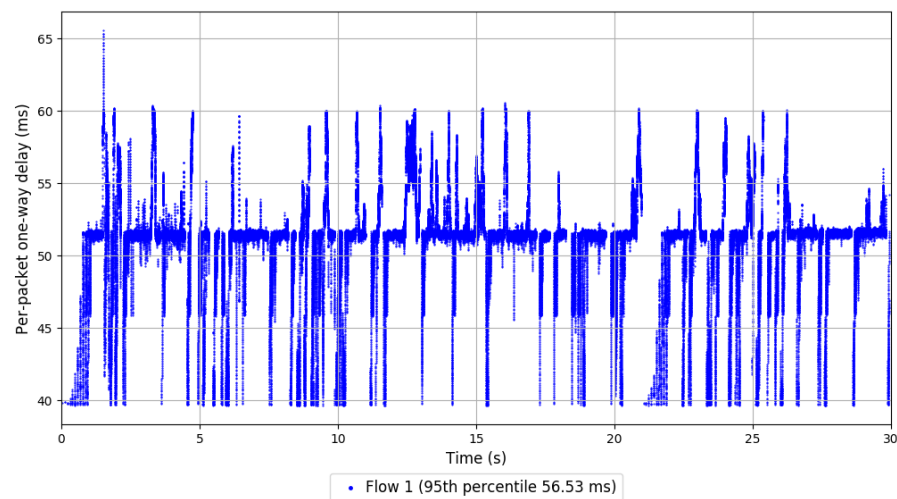
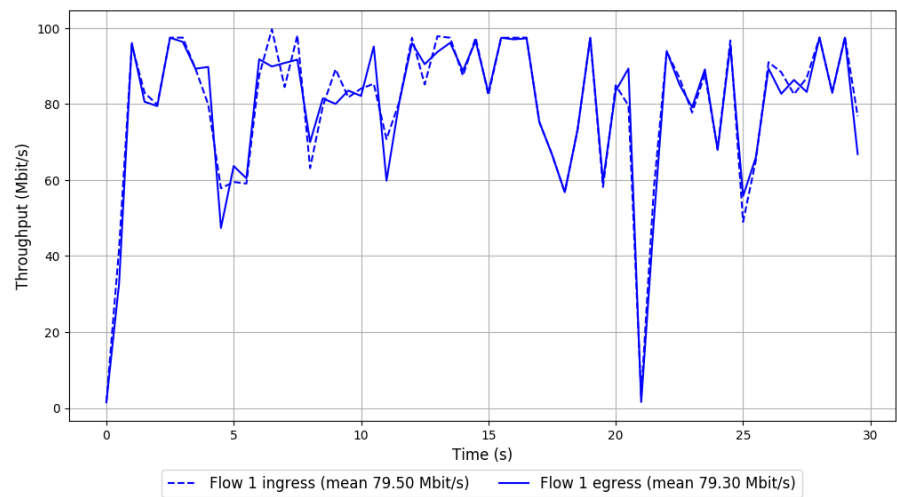
-- Flow 1:

Average throughput: 79.30 Mbit/s

95th percentile per-packet one-way delay: 56.529 ms

Loss rate: 0.55%

Run 4: Report of Verus — Data Link

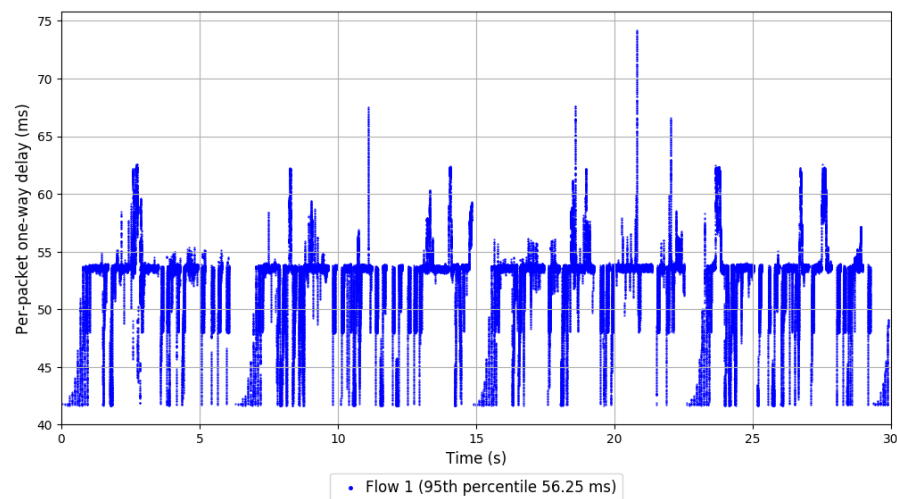
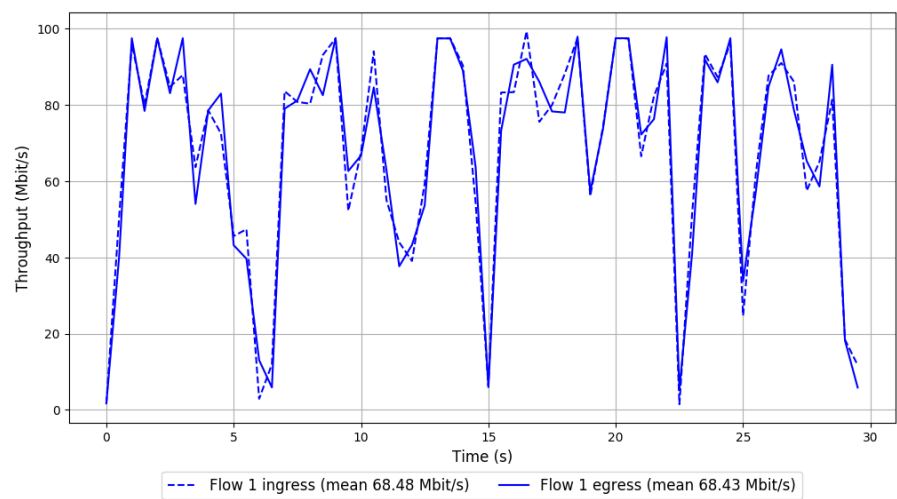


Run 5: Statistics of Verus

Start at: 2017-08-21 19:14:57  
End at: 2017-08-21 19:15:27  
Local clock offset: 0.353 ms  
Remote clock offset: -0.791 ms

# Below is generated by plot.py at 2017-08-22 01:08:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.43 Mbit/s  
95th percentile per-packet one-way delay: 56.251 ms  
Loss rate: 0.39%  
-- Flow 1:  
Average throughput: 68.43 Mbit/s  
95th percentile per-packet one-way delay: 56.251 ms  
Loss rate: 0.39%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2017-08-21 19:35:19

End at: 2017-08-21 19:35:49

Local clock offset: 0.322 ms

Remote clock offset: 1.516 ms

# Below is generated by plot.py at 2017-08-22 01:08:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.62 Mbit/s

95th percentile per-packet one-way delay: 51.676 ms

Loss rate: 0.06%

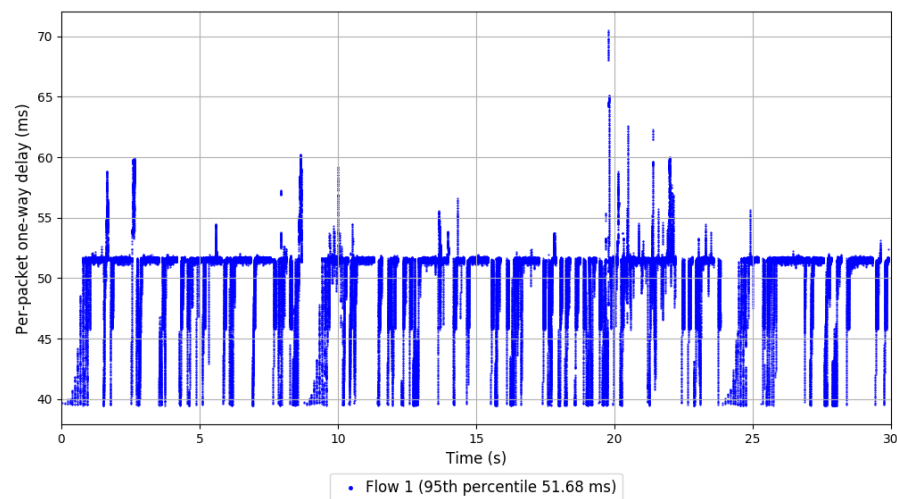
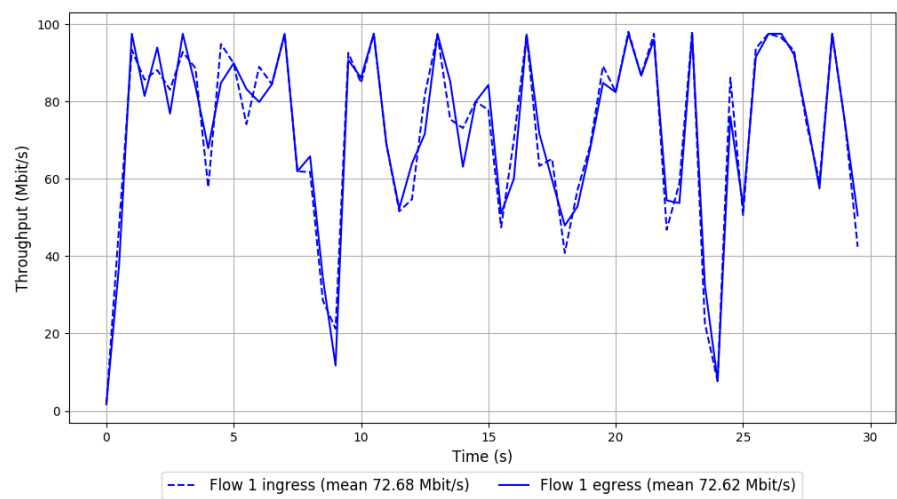
-- Flow 1:

Average throughput: 72.62 Mbit/s

95th percentile per-packet one-way delay: 51.676 ms

Loss rate: 0.06%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2017-08-21 19:55:56

End at: 2017-08-21 19:56:26

Local clock offset: 0.158 ms

Remote clock offset: 1.87 ms

# Below is generated by plot.py at 2017-08-22 01:08:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.65 Mbit/s

95th percentile per-packet one-way delay: 54.650 ms

Loss rate: 0.38%

-- Flow 1:

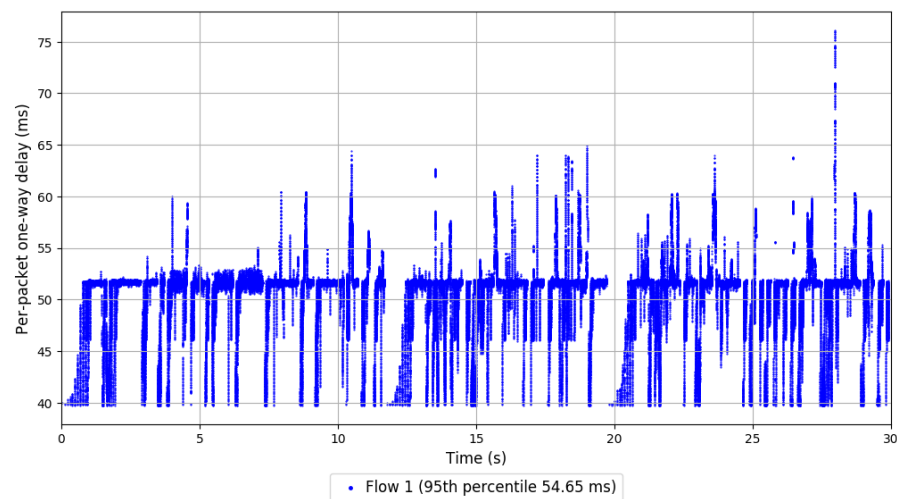
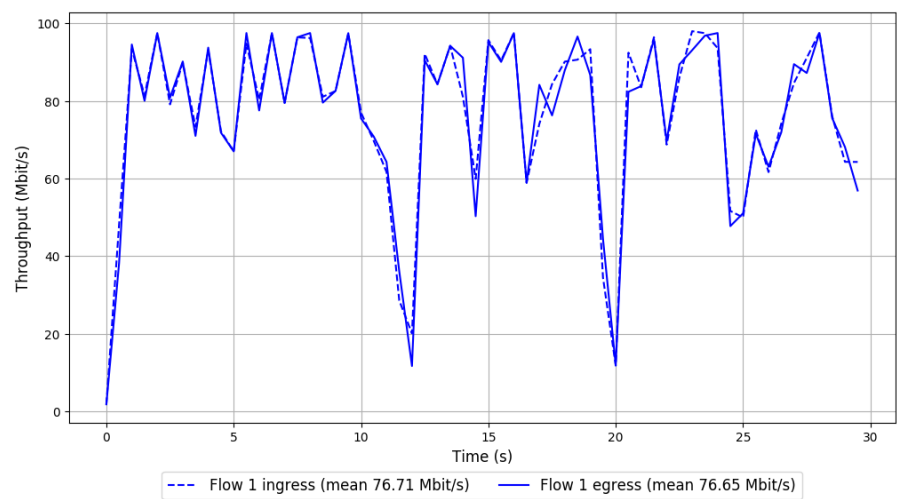
Average throughput: 76.65 Mbit/s

95th percentile per-packet one-way delay: 54.650 ms

Loss rate: 0.38%



Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2017-08-21 20:16:17

End at: 2017-08-21 20:16:47

Local clock offset: -0.006 ms

Remote clock offset: 1.414 ms

# Below is generated by plot.py at 2017-08-22 01:08:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.97 Mbit/s

95th percentile per-packet one-way delay: 56.626 ms

Loss rate: 0.54%

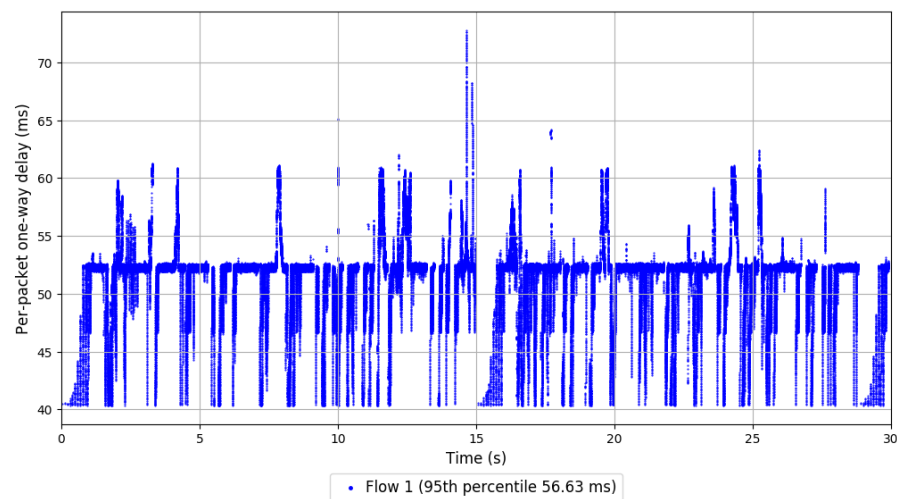
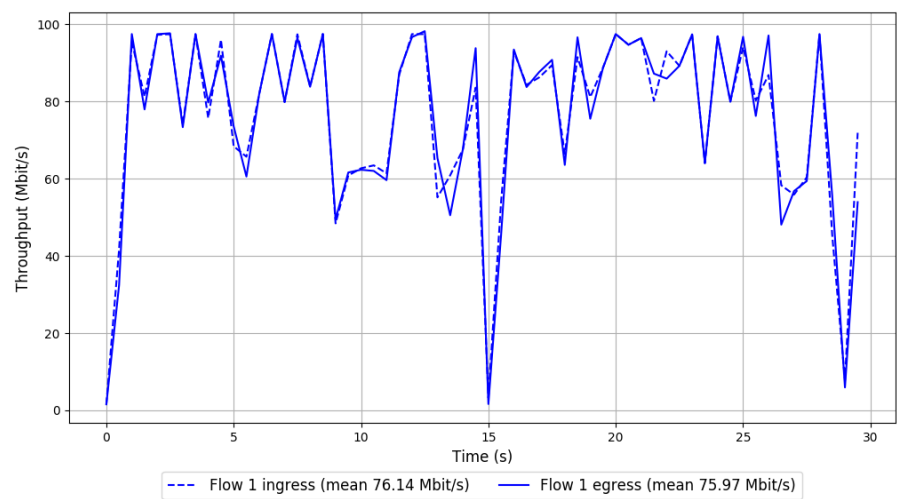
-- Flow 1:

Average throughput: 75.97 Mbit/s

95th percentile per-packet one-way delay: 56.626 ms

Loss rate: 0.54%

Run 8: Report of Verus — Data Link

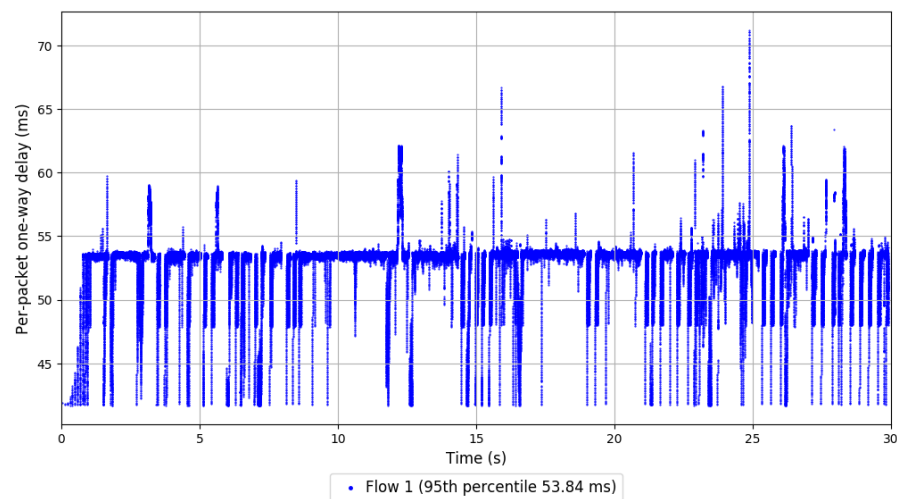
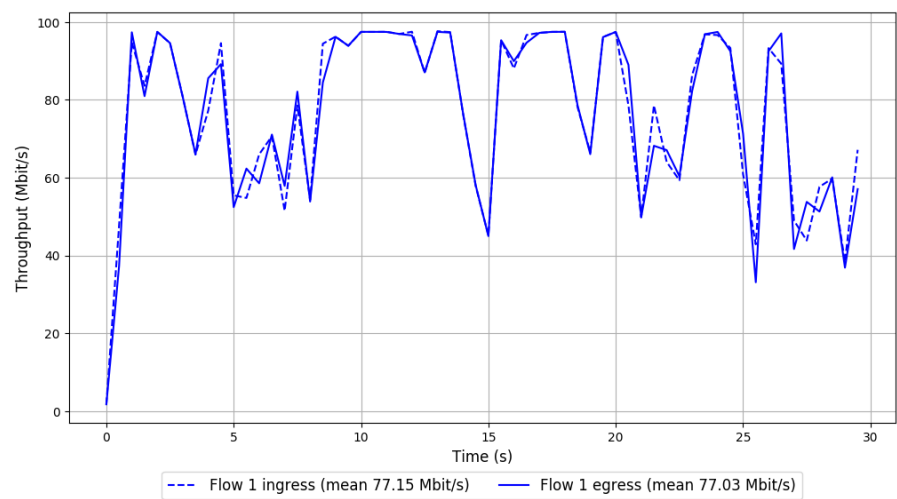


Run 9: Statistics of Verus

Start at: 2017-08-21 20:36:31  
End at: 2017-08-21 20:37:01  
Local clock offset: -0.09 ms  
Remote clock offset: -0.615 ms

# Below is generated by plot.py at 2017-08-22 01:08:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.03 Mbit/s  
95th percentile per-packet one-way delay: 53.843 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 77.03 Mbit/s  
95th percentile per-packet one-way delay: 53.843 ms  
Loss rate: 0.40%

Run 9: Report of Verus — Data Link

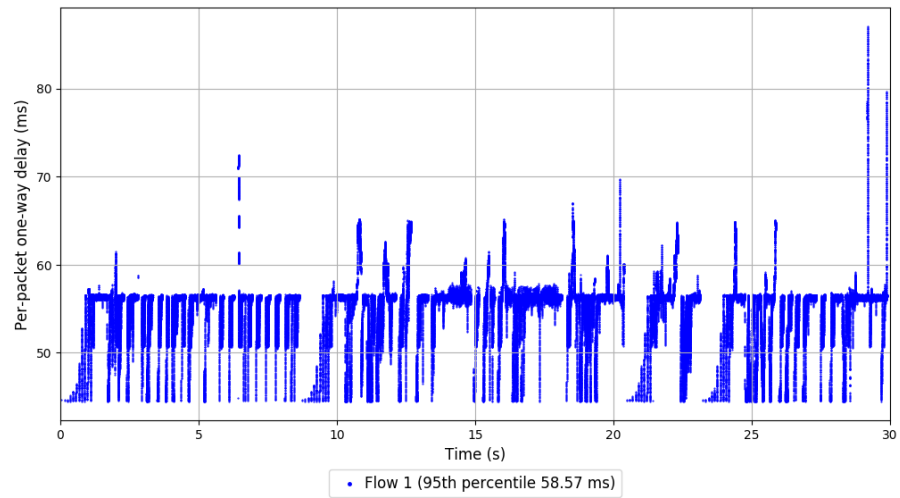
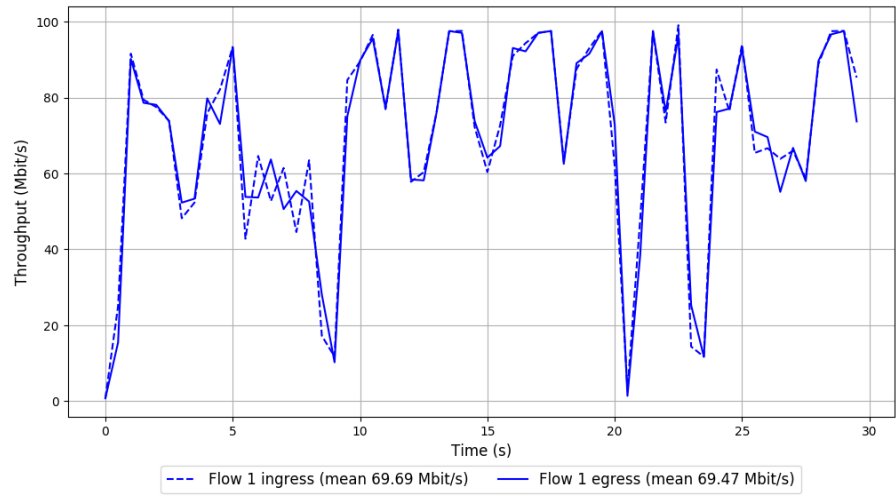


Run 10: Statistics of Verus

Start at: 2017-08-21 20:56:46  
End at: 2017-08-21 20:57:16  
Local clock offset: 0.003 ms  
Remote clock offset: -2.919 ms

# Below is generated by plot.py at 2017-08-22 01:08:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 69.47 Mbit/s  
95th percentile per-packet one-way delay: 58.574 ms  
Loss rate: 0.65%  
-- Flow 1:  
Average throughput: 69.47 Mbit/s  
95th percentile per-packet one-way delay: 58.574 ms  
Loss rate: 0.65%

# Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: 2017-08-21 17:50:04

End at: 2017-08-21 17:50:34

Local clock offset: 0.538 ms

Remote clock offset: -3.914 ms

# Below is generated by plot.py at 2017-08-22 01:08:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 43.783 ms

Loss rate: 0.53%

-- Flow 1:

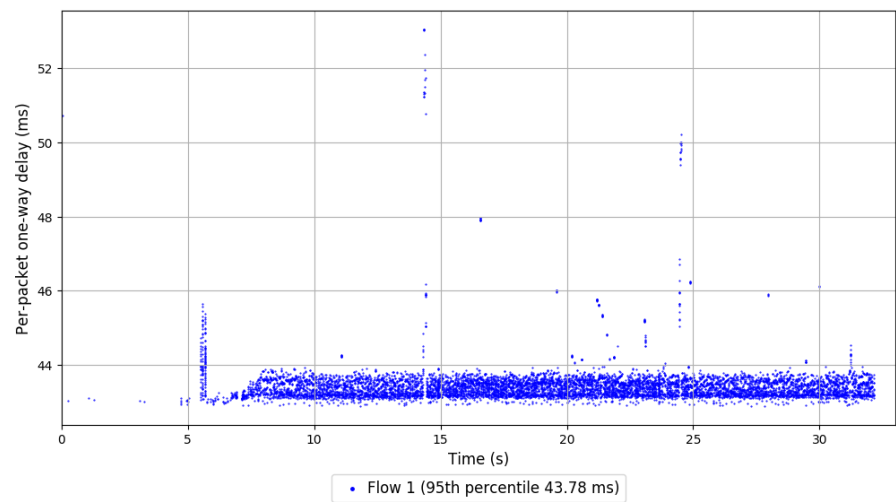
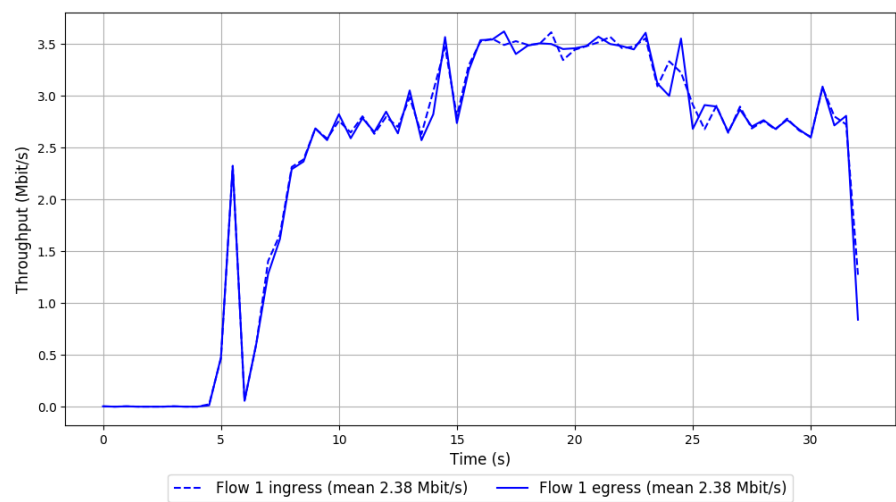
Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 43.783 ms

Loss rate: 0.53%



Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

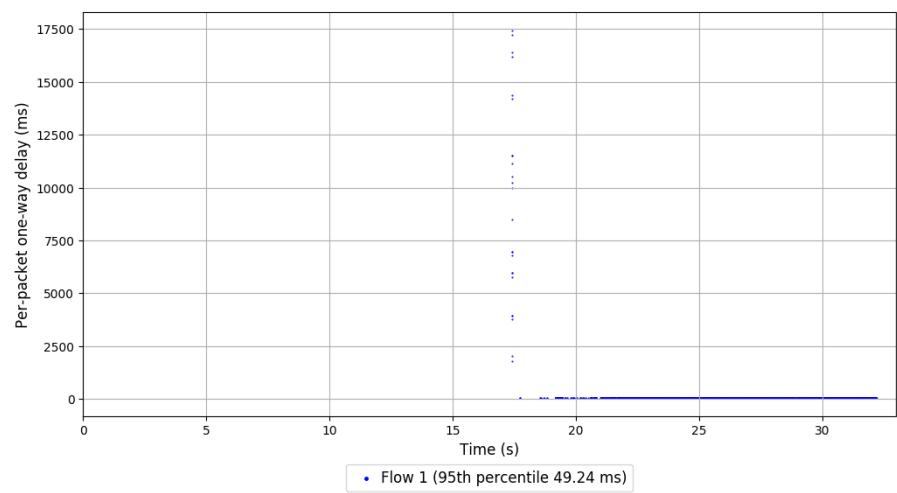
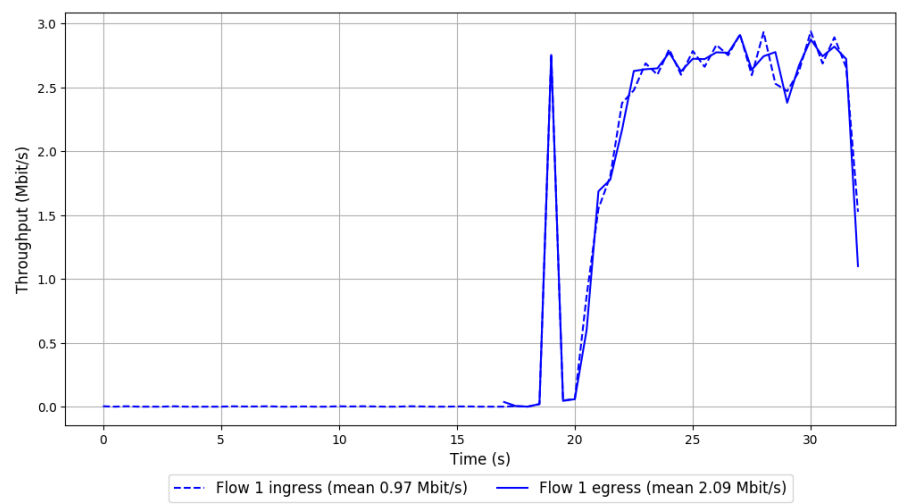
Start at: 2017-08-21 18:11:04

End at: 2017-08-21 18:11:34

Local clock offset: 0.345 ms

Remote clock offset: -8.003 ms

Run 2: Report of WebRTC media — Data Link

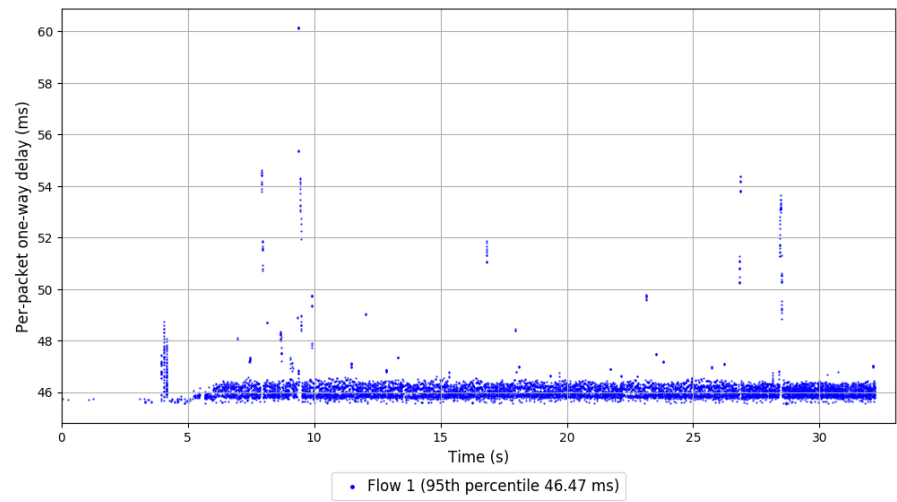
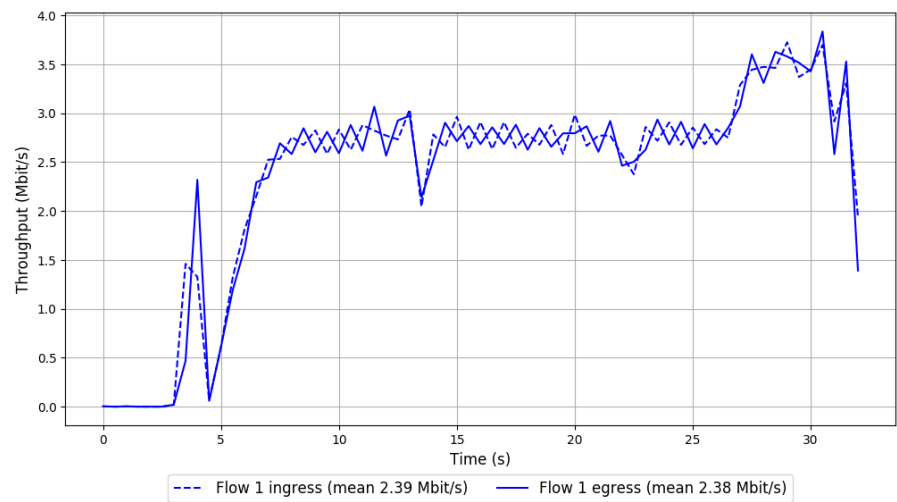


Run 3: Statistics of WebRTC media

Start at: 2017-08-21 18:31:17  
End at: 2017-08-21 18:31:47  
Local clock offset: 0.446 ms  
Remote clock offset: -5.501 ms

# Below is generated by plot.py at 2017-08-22 01:08:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.38 Mbit/s  
95th percentile per-packet one-way delay: 46.471 ms  
Loss rate: 0.57%  
-- Flow 1:  
Average throughput: 2.38 Mbit/s  
95th percentile per-packet one-way delay: 46.471 ms  
Loss rate: 0.57%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2017-08-21 18:51:22

End at: 2017-08-21 18:51:52

Local clock offset: 0.355 ms

Remote clock offset: 0.988 ms

# Below is generated by plot.py at 2017-08-22 01:08:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 40.229 ms

Loss rate: 0.47%

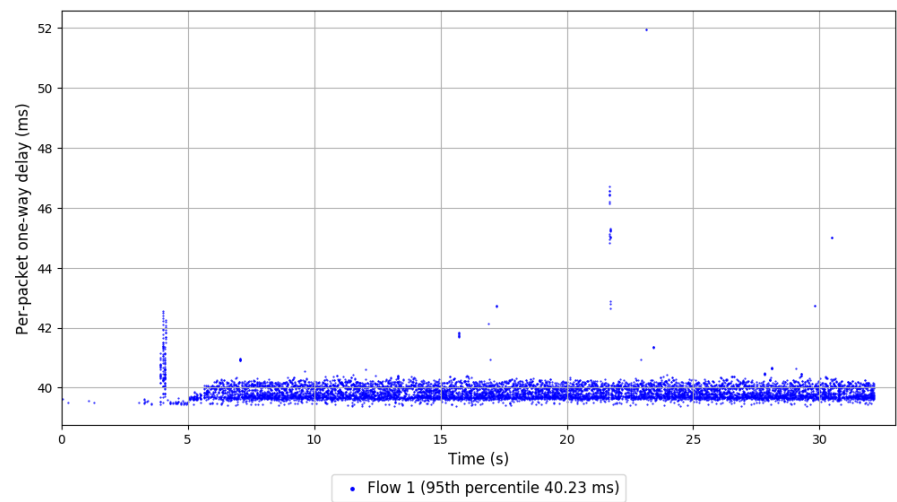
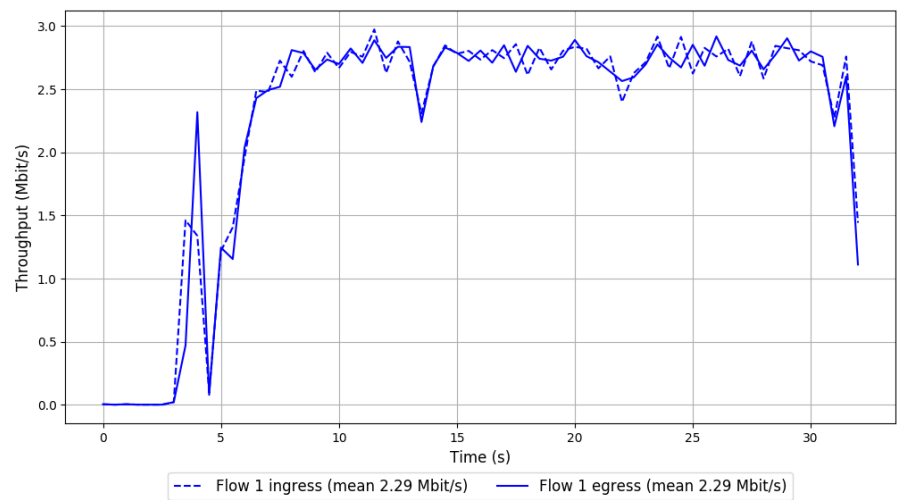
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 40.229 ms

Loss rate: 0.47%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-08-21 19:12:13

End at: 2017-08-21 19:12:43

Local clock offset: 0.352 ms

Remote clock offset: 1.18 ms

# Below is generated by plot.py at 2017-08-22 01:08:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 40.968 ms

Loss rate: 0.30%

-- Flow 1:

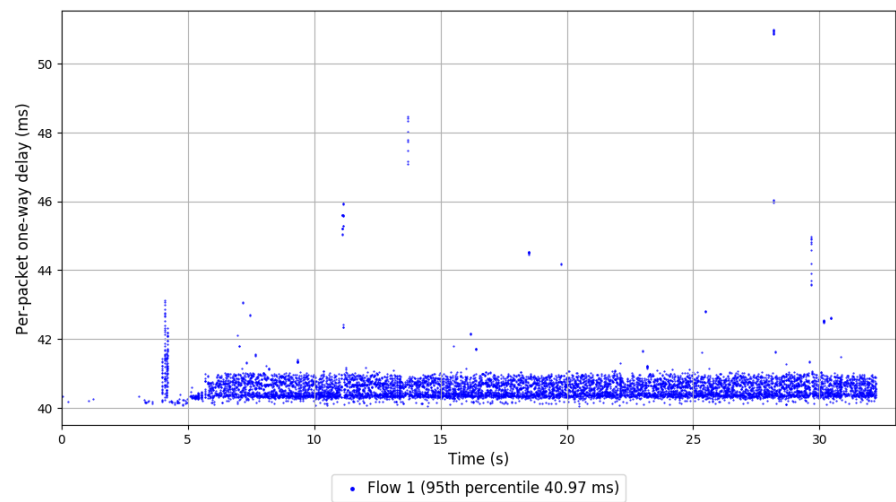
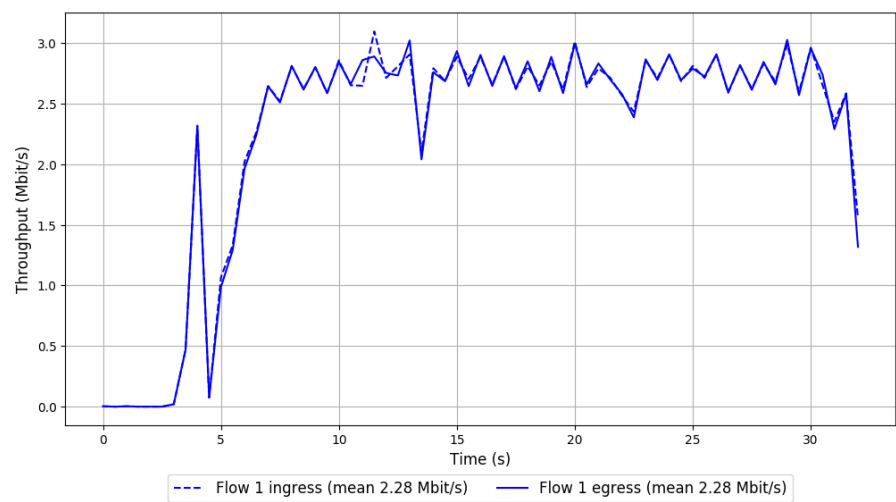
Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 40.968 ms

Loss rate: 0.30%



Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: 2017-08-21 19:32:35

End at: 2017-08-21 19:33:05

Local clock offset: 0.349 ms

Remote clock offset: 1.489 ms

# Below is generated by plot.py at 2017-08-22 01:08:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 41.196 ms

Loss rate: 0.41%

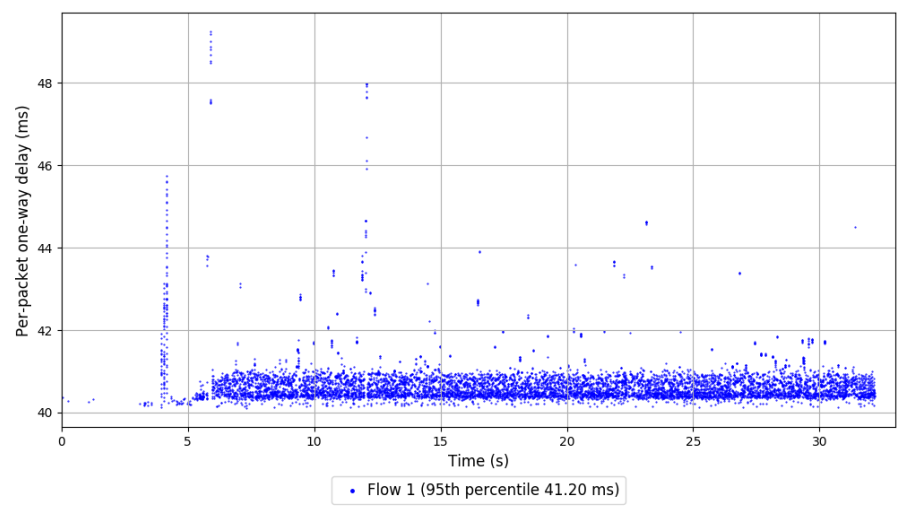
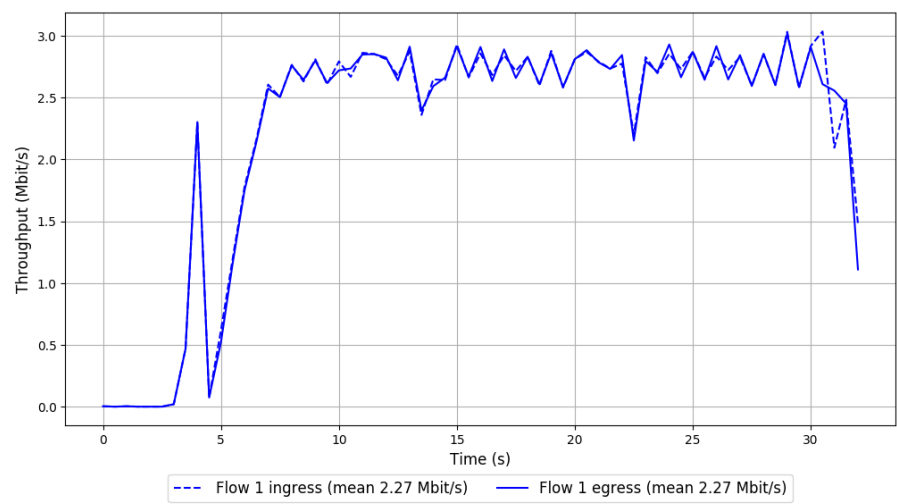
-- Flow 1:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 41.196 ms

Loss rate: 0.41%

Run 6: Report of WebRTC media — Data Link

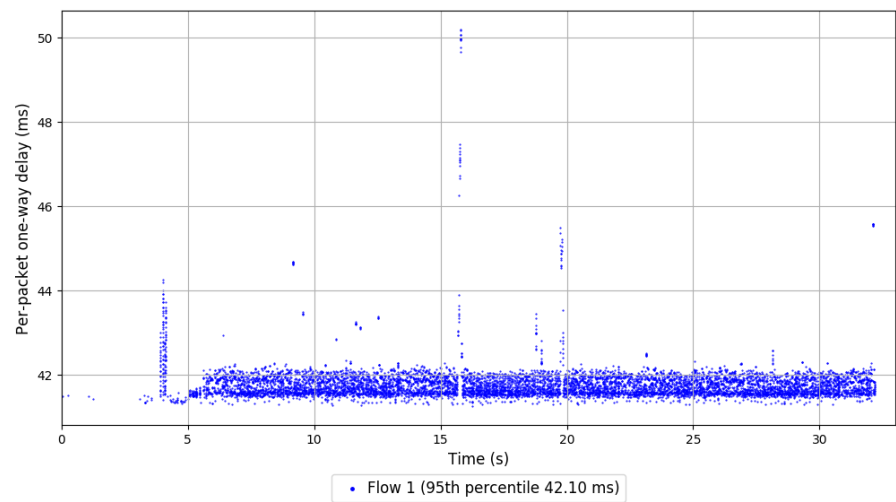
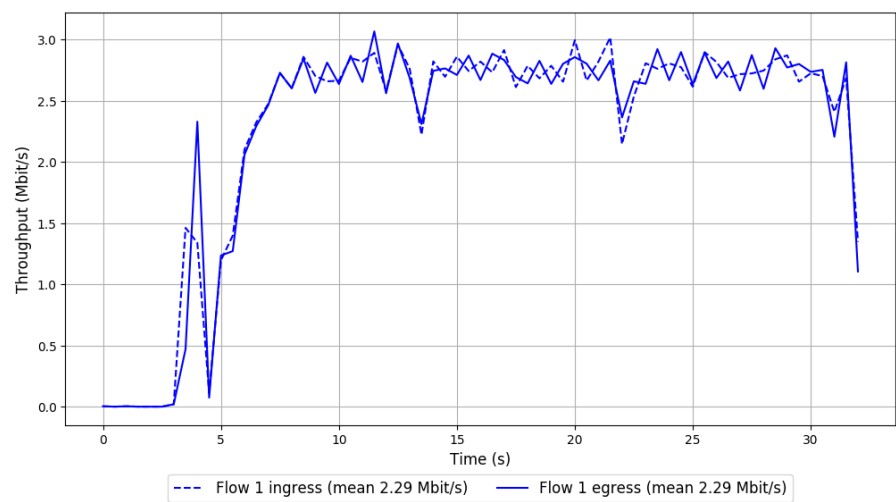


Run 7: Statistics of WebRTC media

Start at: 2017-08-21 19:53:15  
End at: 2017-08-21 19:53:45  
Local clock offset: 0.144 ms  
Remote clock offset: -0.602 ms

# Below is generated by plot.py at 2017-08-22 01:08:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.29 Mbit/s  
95th percentile per-packet one-way delay: 42.105 ms  
Loss rate: 0.34%  
-- Flow 1:  
Average throughput: 2.29 Mbit/s  
95th percentile per-packet one-way delay: 42.105 ms  
Loss rate: 0.34%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2017-08-21 20:13:37

End at: 2017-08-21 20:14:07

Local clock offset: 0.052 ms

Remote clock offset: 1.504 ms

# Below is generated by plot.py at 2017-08-22 01:08:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 40.999 ms

Loss rate: 0.30%

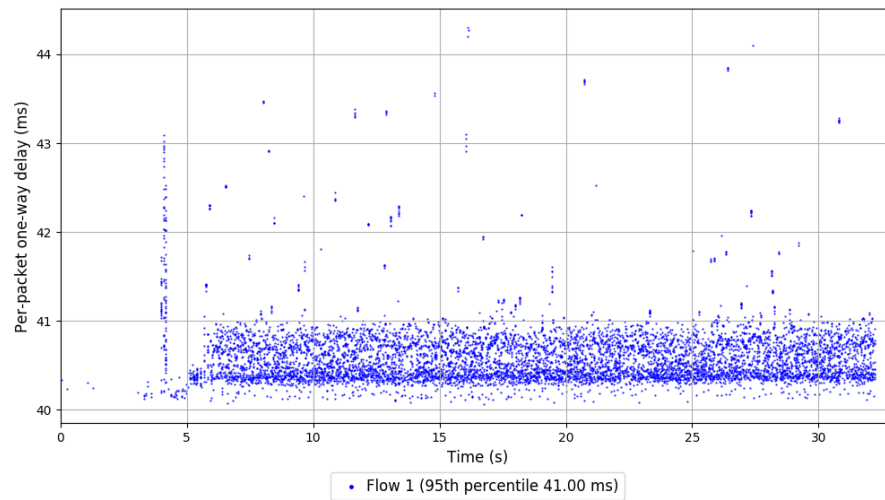
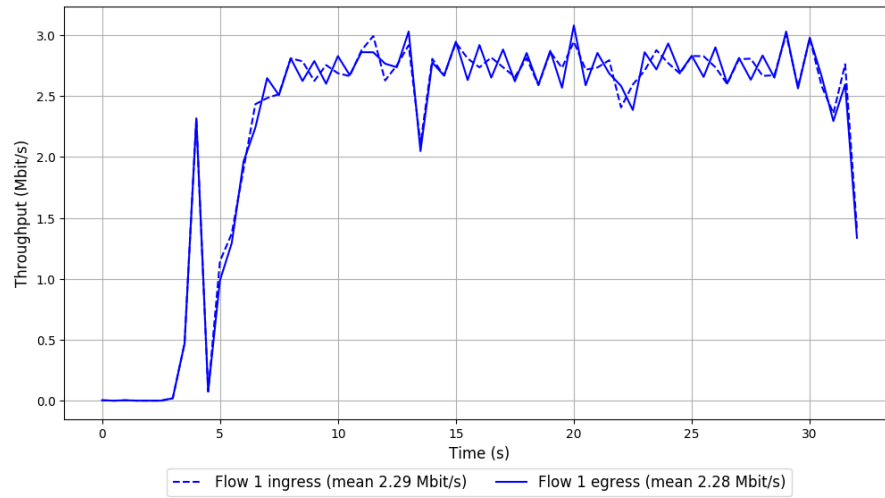
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 40.999 ms

Loss rate: 0.30%

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



Run 9: Statistics of WebRTC media

Start at: 2017-08-21 20:33:51

End at: 2017-08-21 20:34:21

Local clock offset: -0.103 ms

Remote clock offset: 1.457 ms

# Below is generated by plot.py at 2017-08-22 01:08:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 40.234 ms

Loss rate: 0.45%

-- Flow 1:

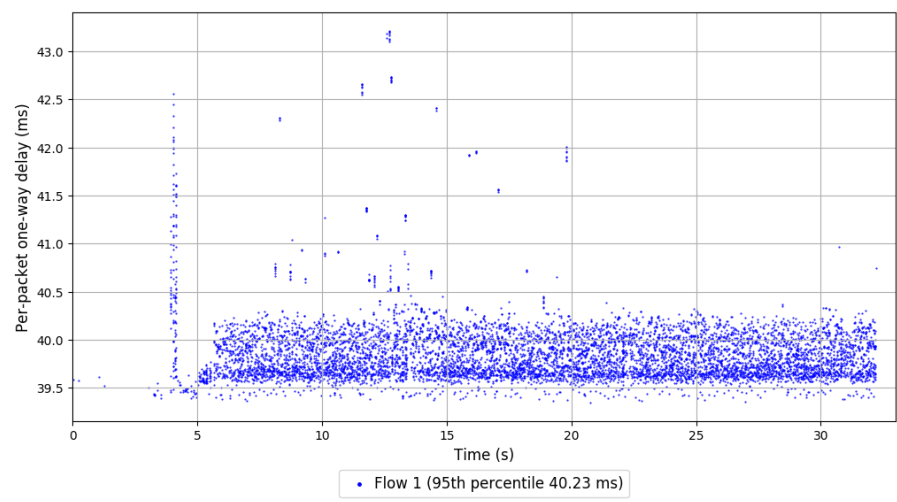
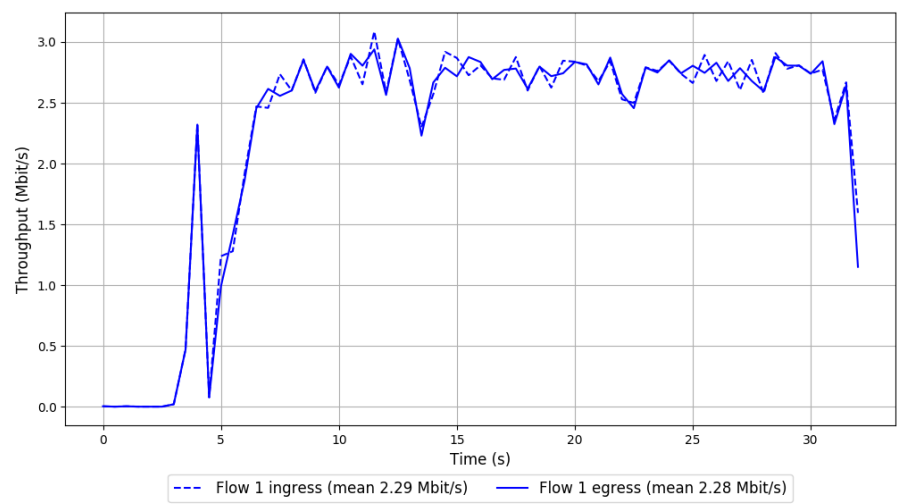
Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 40.234 ms

Loss rate: 0.45%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-08-21 20:54:05  
End at: 2017-08-21 20:54:35  
Local clock offset: -0.002 ms  
Remote clock offset: -3.454 ms

# Below is generated by plot.py at 2017-08-22 01:08:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.26 Mbit/s  
95th percentile per-packet one-way delay: 45.726 ms  
Loss rate: 0.44%  
-- Flow 1:  
Average throughput: 2.26 Mbit/s  
95th percentile per-packet one-way delay: 45.726 ms  
Loss rate: 0.44%

Run 10: Report of WebRTC media — Data Link

