

## Pantheon Report

Generated at 2017-09-18 06:08:23 (UTC).

Data path: Brazil Ethernet (*remote*) → AWS Brazil 1 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).

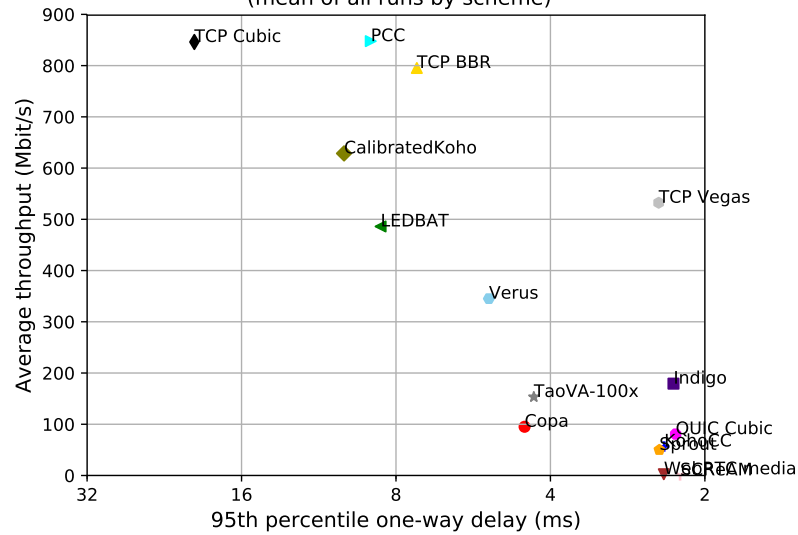
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

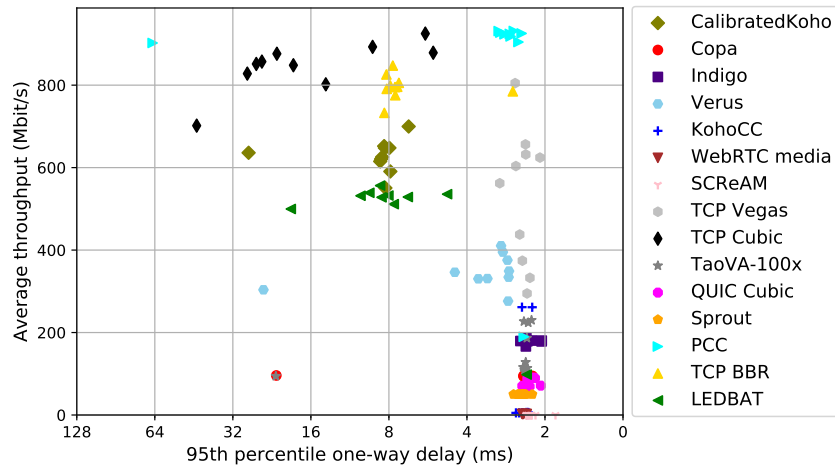
Git summary:

```
branch: master @ 57453dc11f8da93a2e03eea75289fea01b816298
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ b19f3730105f9aa95452552af924e3719b03cc55
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-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 Brazil Ethernet to AWS Brazil 1 Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from Brazil Ethernet to AWS Brazil 1 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	795.39	7.29	0.02
CalibratedKoho	10	628.60	10.10	0.04
Copa	9	95.09	4.49	0.02
TCP Cubic	10	846.13	19.78	0.05
Indigo	10	179.27	2.30	0.02
KohoCC	10	56.66	2.40	0.02
LEDBAT	10	486.05	8.57	0.02
PCC	10	847.78	8.96	0.12
QUIC Cubic	9	80.78	2.28	0.02
SCReAM	10	0.22	2.24	0.00
Sprout	10	50.10	2.45	0.02
TaoVA-100x	10	153.32	4.31	0.07
TCP Vegas	10	532.28	2.46	0.01
Verus	10	345.18	5.27	0.01
WebRTC media	5	2.42	2.40	0.01

Run 1: Statistics of TCP BBR

Start at: 2017-09-17 21:27:50

End at: 2017-09-17 21:28:20

Local clock offset: -9.589 ms

Remote clock offset: 0.193 ms

# Below is generated by plot.py at 2017-09-18 04:43:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 796.12 Mbit/s

95th percentile per-packet one-way delay: 7.430 ms

Loss rate: 0.02%

-- Flow 1:

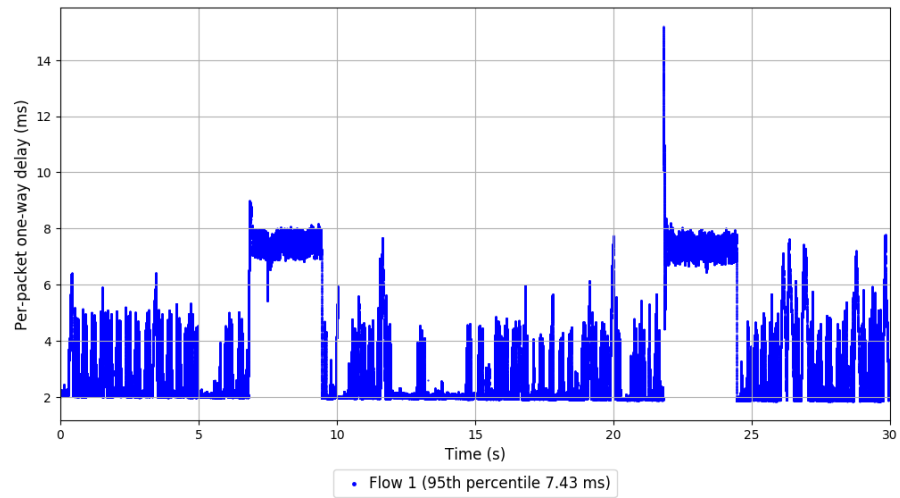
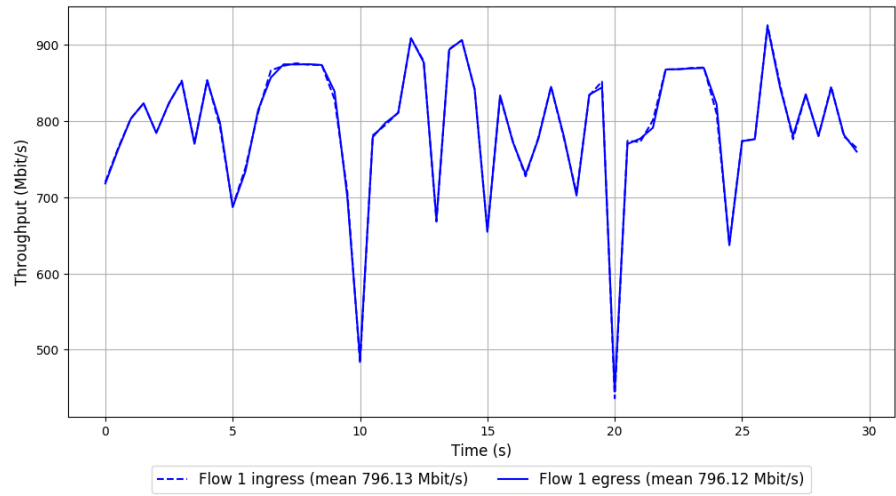
Average throughput: 796.12 Mbit/s

95th percentile per-packet one-way delay: 7.430 ms

Loss rate: 0.02%



# Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2017-09-17 21:47:35

End at: 2017-09-17 21:48:05

Local clock offset: -5.093 ms

Remote clock offset: 0.528 ms

# Below is generated by plot.py at 2017-09-18 04:44:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 825.94 Mbit/s

95th percentile per-packet one-way delay: 8.180 ms

Loss rate: 0.04%

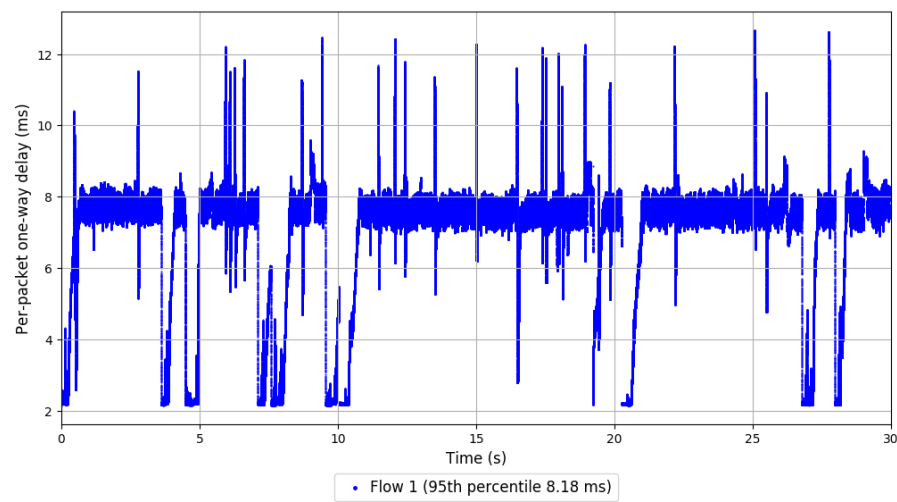
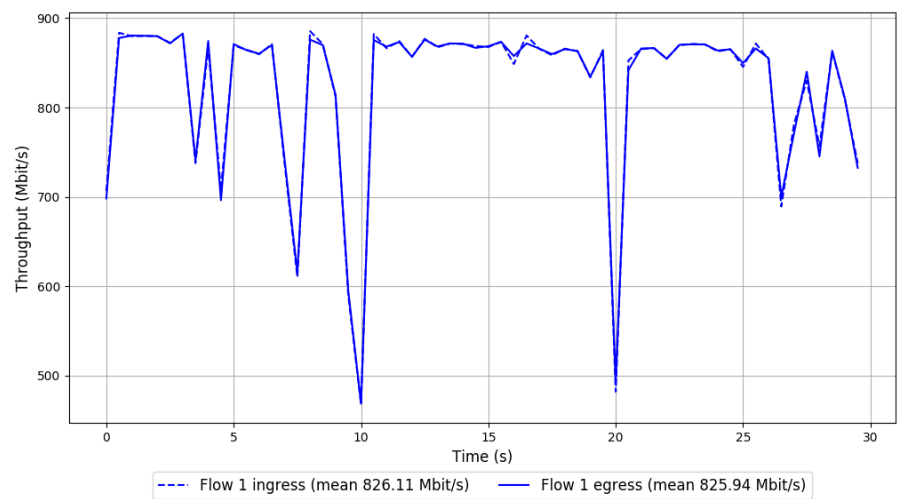
-- Flow 1:

Average throughput: 825.94 Mbit/s

95th percentile per-packet one-way delay: 8.180 ms

Loss rate: 0.04%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: 2017-09-17 22:07:27

End at: 2017-09-17 22:07:57

Local clock offset: -2.871 ms

Remote clock offset: 0.775 ms

# Below is generated by plot.py at 2017-09-18 04:44:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 790.98 Mbit/s

95th percentile per-packet one-way delay: 8.157 ms

Loss rate: 0.02%

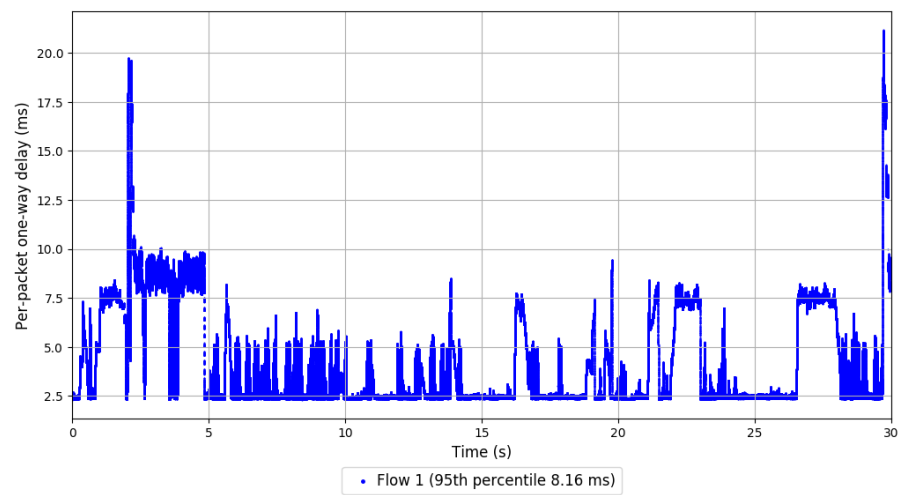
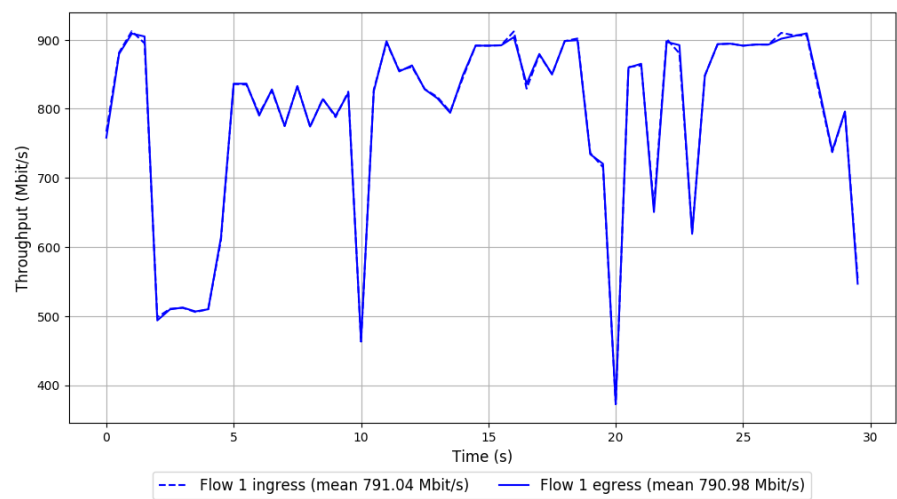
-- Flow 1:

Average throughput: 790.98 Mbit/s

95th percentile per-packet one-way delay: 8.157 ms

Loss rate: 0.02%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2017-09-17 22:27:09

End at: 2017-09-17 22:27:39

Local clock offset: -4.687 ms

Remote clock offset: 0.834 ms

# Below is generated by plot.py at 2017-09-18 04:44:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 795.27 Mbit/s

95th percentile per-packet one-way delay: 7.578 ms

Loss rate: 0.02%

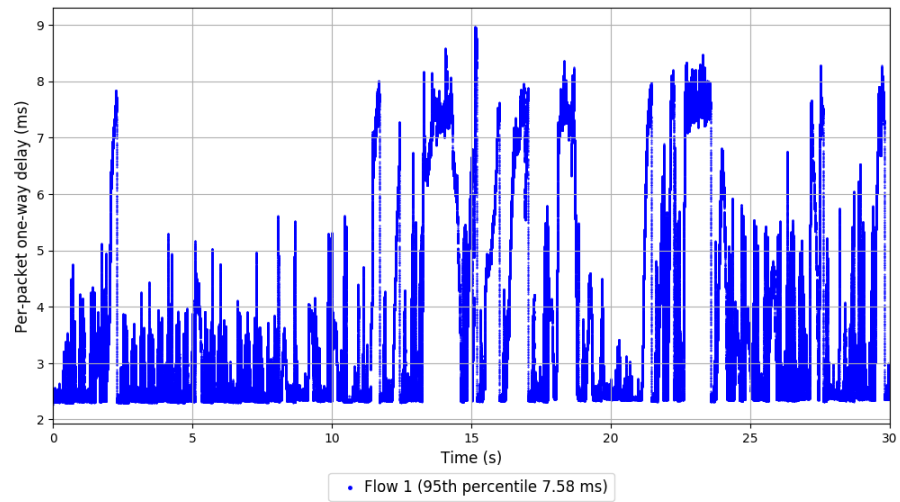
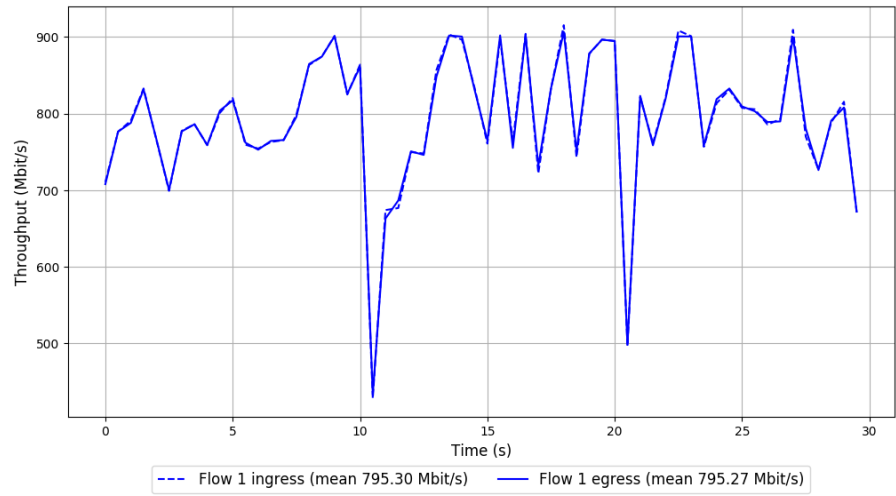
-- Flow 1:

Average throughput: 795.27 Mbit/s

95th percentile per-packet one-way delay: 7.578 ms

Loss rate: 0.02%

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



Run 5: Statistics of TCP BBR

Start at: 2017-09-17 22:46:59

End at: 2017-09-17 22:47:29

Local clock offset: -3.619 ms

Remote clock offset: 0.72 ms

# Below is generated by plot.py at 2017-09-18 04:44:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 732.84 Mbit/s

95th percentile per-packet one-way delay: 8.329 ms

Loss rate: 0.02%

-- Flow 1:

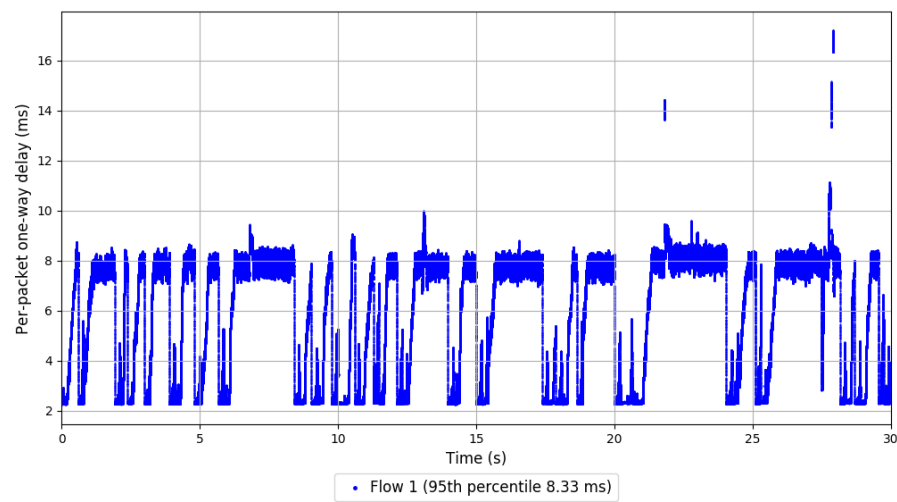
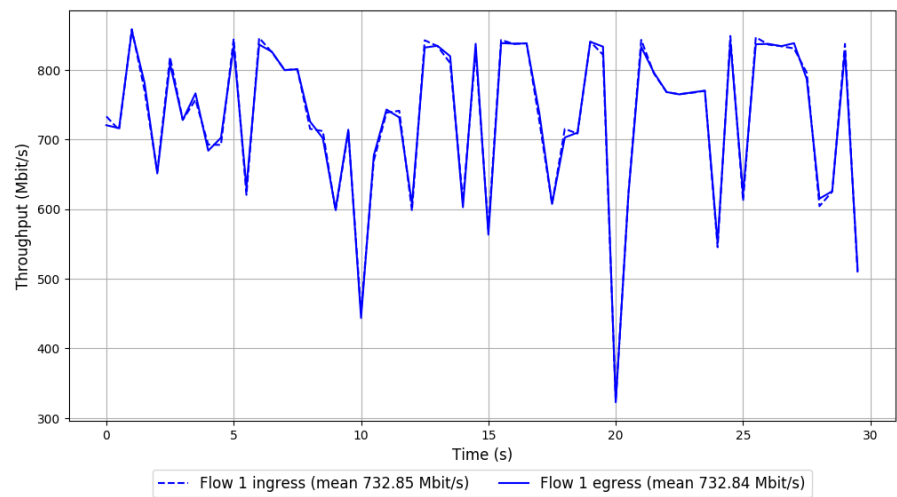
Average throughput: 732.84 Mbit/s

95th percentile per-packet one-way delay: 8.329 ms

Loss rate: 0.02%



Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: 2017-09-17 23:06:41

End at: 2017-09-17 23:07:11

Local clock offset: -3.81 ms

Remote clock offset: 0.705 ms

# Below is generated by plot.py at 2017-09-18 04:44:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 805.56 Mbit/s

95th percentile per-packet one-way delay: 7.325 ms

Loss rate: 0.02%

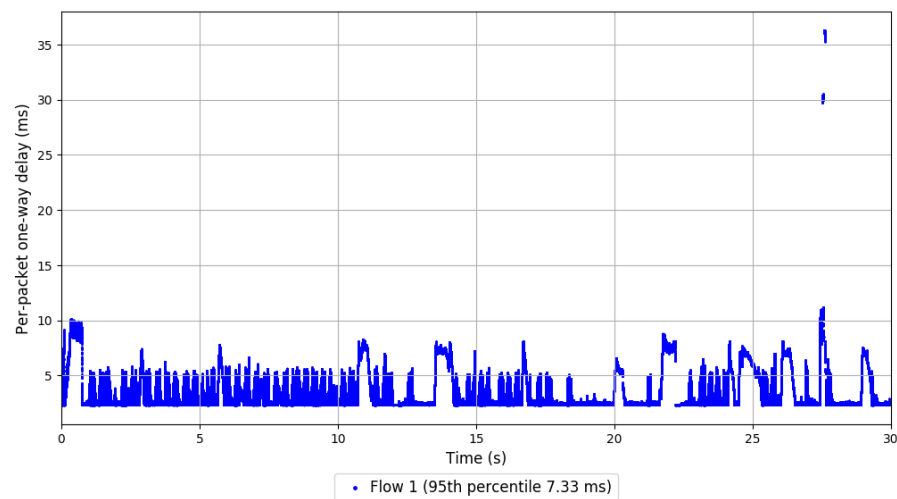
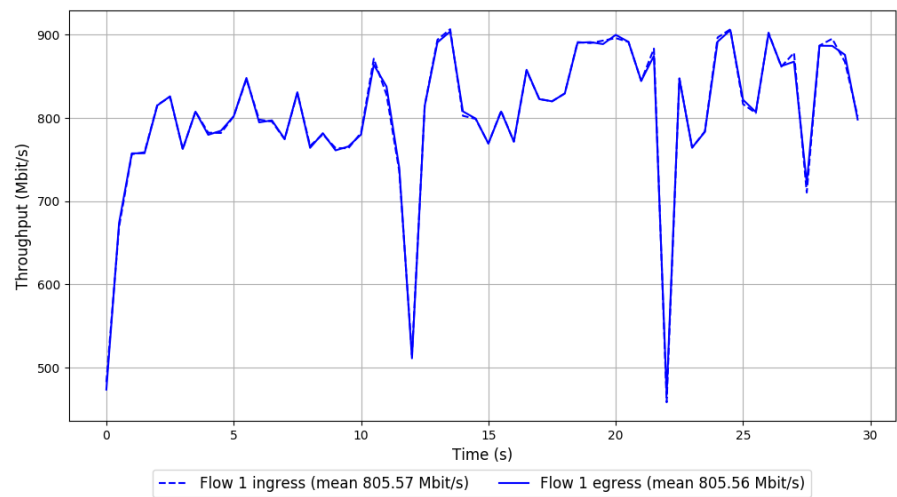
-- Flow 1:

Average throughput: 805.56 Mbit/s

95th percentile per-packet one-way delay: 7.325 ms

Loss rate: 0.02%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2017-09-17 23:26:11

End at: 2017-09-17 23:26:41

Local clock offset: -4.948 ms

Remote clock offset: 0.521 ms

# Below is generated by plot.py at 2017-09-18 04:44:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 784.94 Mbit/s

95th percentile per-packet one-way delay: 2.661 ms

Loss rate: 0.02%

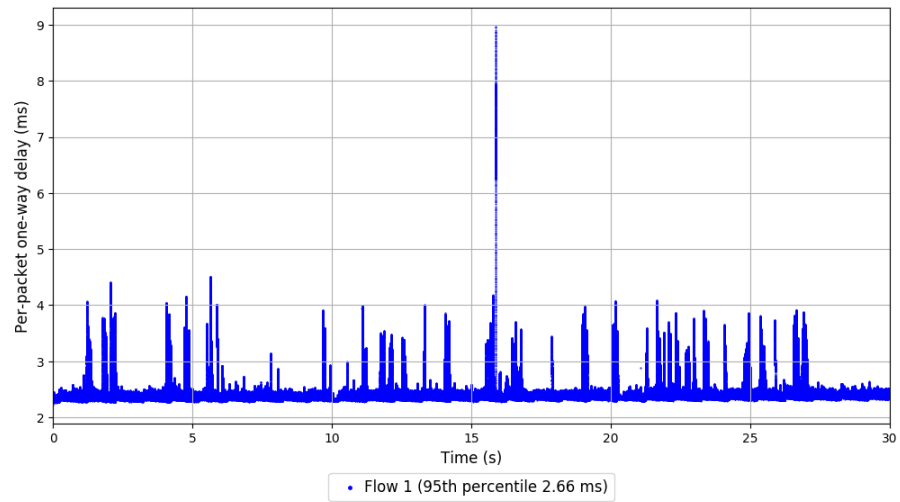
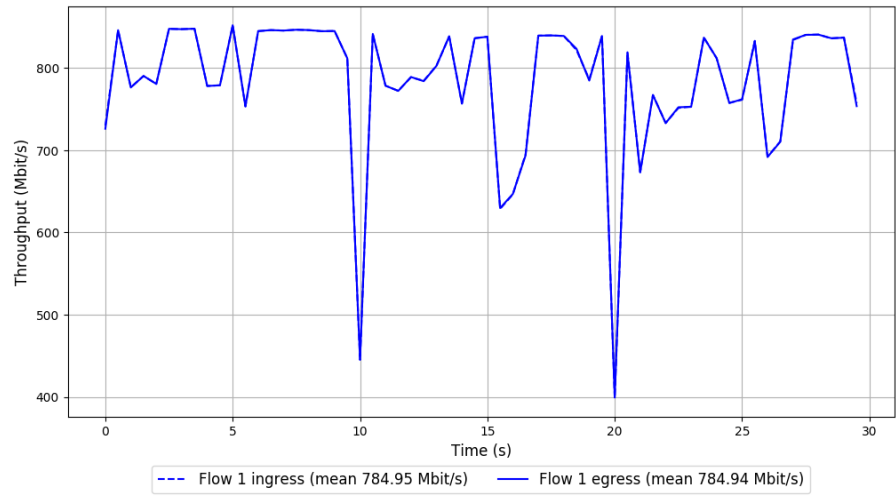
-- Flow 1:

Average throughput: 784.94 Mbit/s

95th percentile per-packet one-way delay: 2.661 ms

Loss rate: 0.02%

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



Run 8: Statistics of TCP BBR

Start at: 2017-09-17 23:45:12

End at: 2017-09-17 23:45:42

Local clock offset: -5.441 ms

Remote clock offset: 0.442 ms

# Below is generated by plot.py at 2017-09-18 04:44:17

# Datalink statistics

-- Total of 1 flow:

Average throughput: 775.51 Mbit/s

95th percentile per-packet one-way delay: 7.559 ms

Loss rate: 0.03%

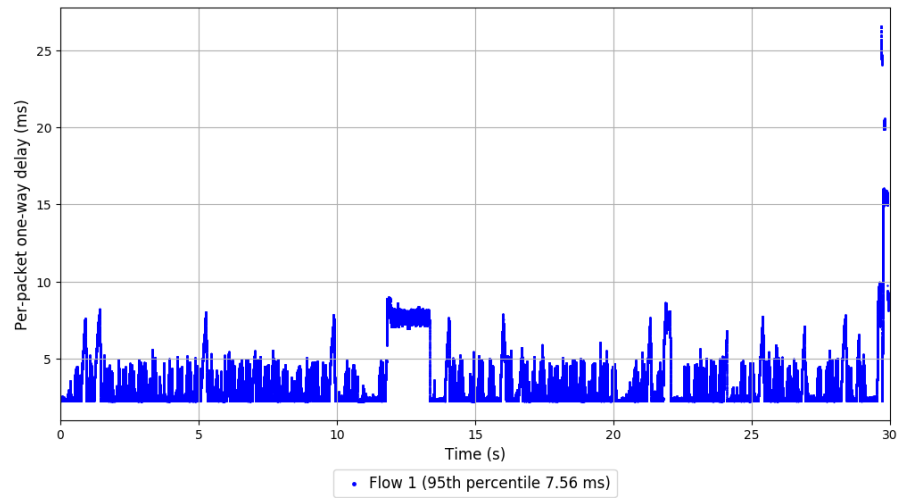
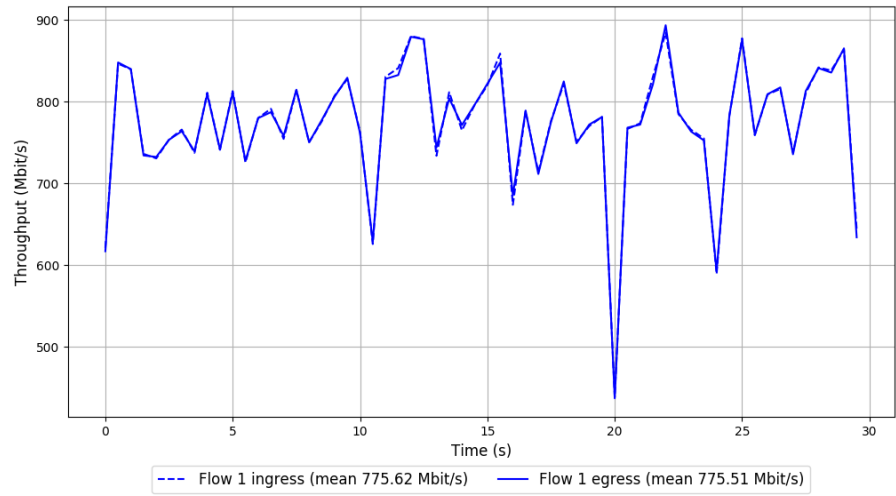
-- Flow 1:

Average throughput: 775.51 Mbit/s

95th percentile per-packet one-way delay: 7.559 ms

Loss rate: 0.03%

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



Run 9: Statistics of TCP BBR

Start at: 2017-09-18 00:04:54

End at: 2017-09-18 00:05:24

Local clock offset: -5.945 ms

Remote clock offset: 0.227 ms

# Below is generated by plot.py at 2017-09-18 04:54:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 847.42 Mbit/s

95th percentile per-packet one-way delay: 7.729 ms

Loss rate: 0.03%

-- Flow 1:

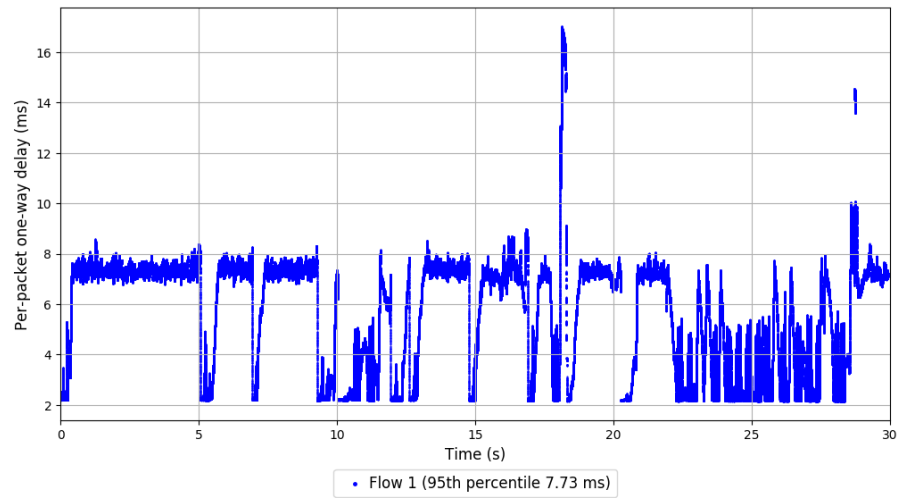
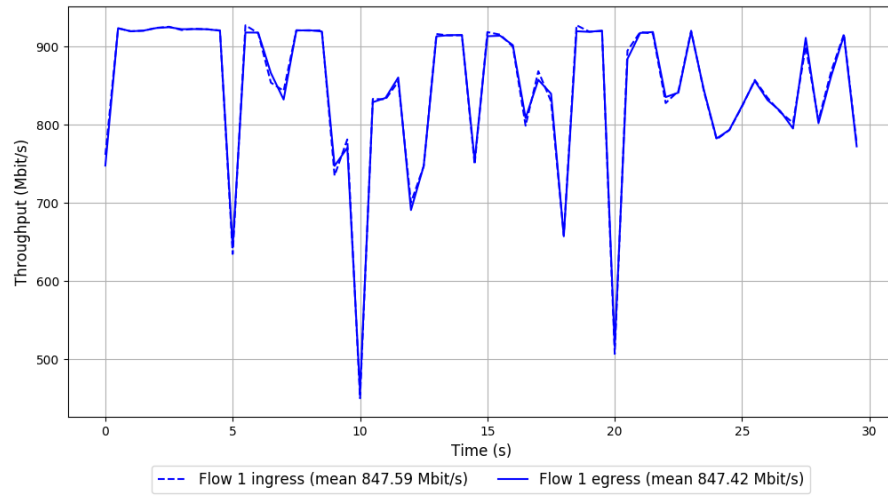
Average throughput: 847.42 Mbit/s

95th percentile per-packet one-way delay: 7.729 ms

Loss rate: 0.03%



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



Run 10: Statistics of TCP BBR

Start at: 2017-09-18 00:24:33

End at: 2017-09-18 00:25:03

Local clock offset: -5.124 ms

Remote clock offset: 0.102 ms

# Below is generated by plot.py at 2017-09-18 04:54:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 799.36 Mbit/s

95th percentile per-packet one-way delay: 7.905 ms

Loss rate: 0.02%

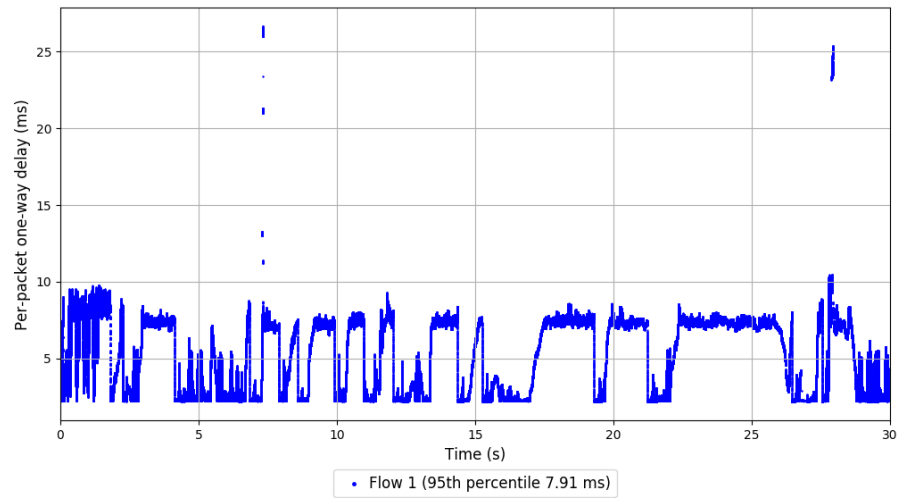
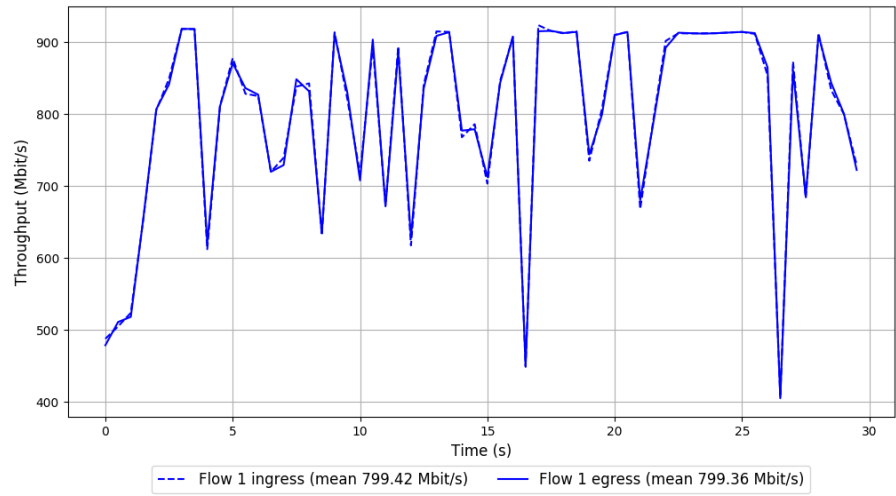
-- Flow 1:

Average throughput: 799.36 Mbit/s

95th percentile per-packet one-way delay: 7.905 ms

Loss rate: 0.02%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: 2017-09-17 21:38:06

End at: 2017-09-17 21:38:36

Local clock offset: -5.494 ms

Remote clock offset: 0.281 ms

# Below is generated by plot.py at 2017-09-18 04:54:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 615.13 Mbit/s

95th percentile per-packet one-way delay: 8.644 ms

Loss rate: 0.04%

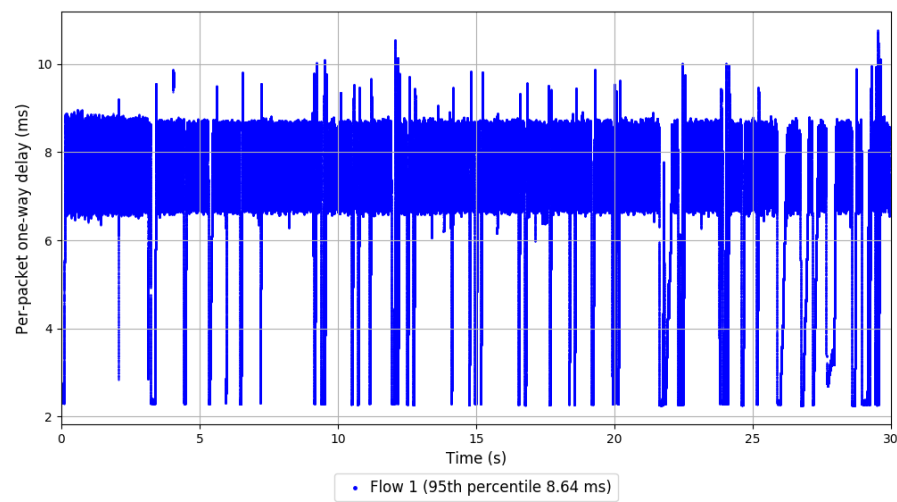
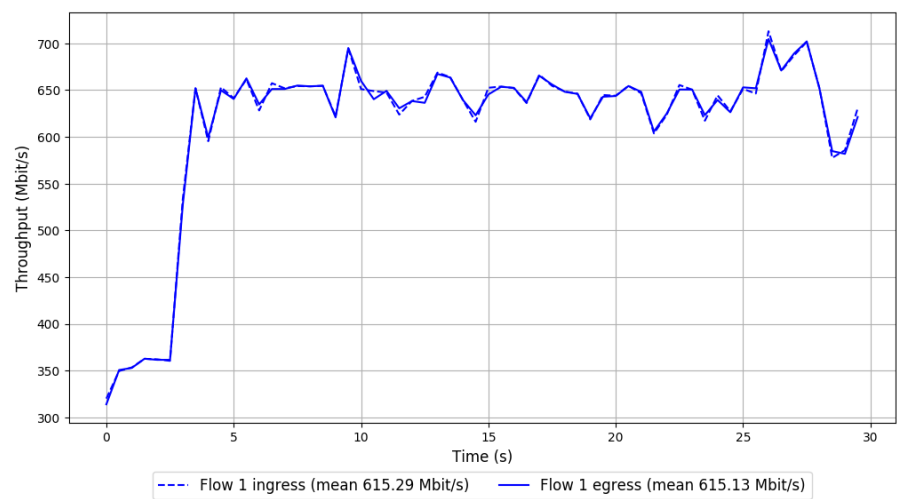
-- Flow 1:

Average throughput: 615.13 Mbit/s

95th percentile per-packet one-way delay: 8.644 ms

Loss rate: 0.04%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: 2017-09-17 21:57:50

End at: 2017-09-17 21:58:20

Local clock offset: -3.734 ms

Remote clock offset: 0.719 ms

# Below is generated by plot.py at 2017-09-18 04:54:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 590.71 Mbit/s

95th percentile per-packet one-way delay: 7.899 ms

Loss rate: 0.04%

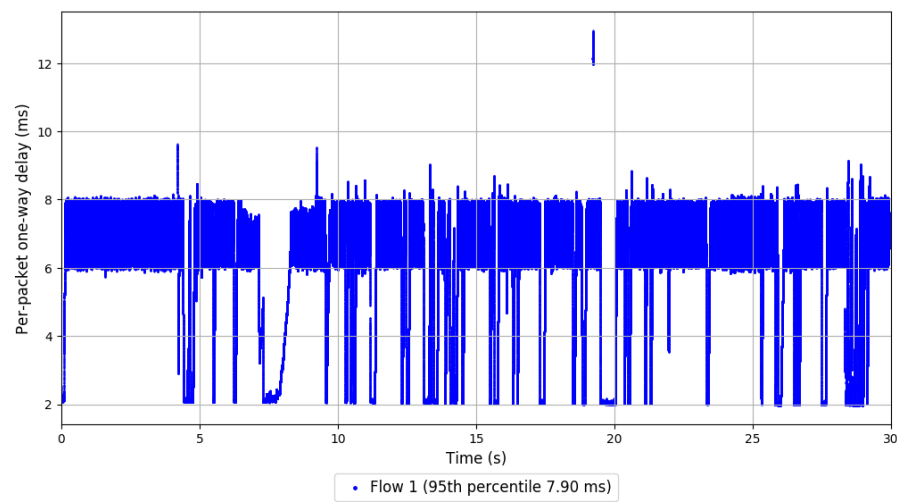
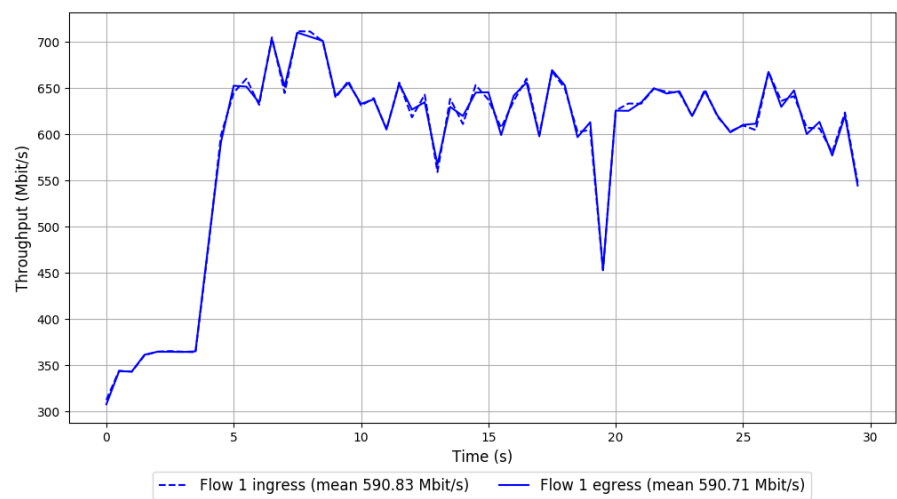
-- Flow 1:

Average throughput: 590.71 Mbit/s

95th percentile per-packet one-way delay: 7.899 ms

Loss rate: 0.04%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: 2017-09-17 22:17:40

End at: 2017-09-17 22:18:10

Local clock offset: -4.132 ms

Remote clock offset: 0.844 ms

# Below is generated by plot.py at 2017-09-18 04:54:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 652.10 Mbit/s

95th percentile per-packet one-way delay: 8.346 ms

Loss rate: 0.03%

-- Flow 1:

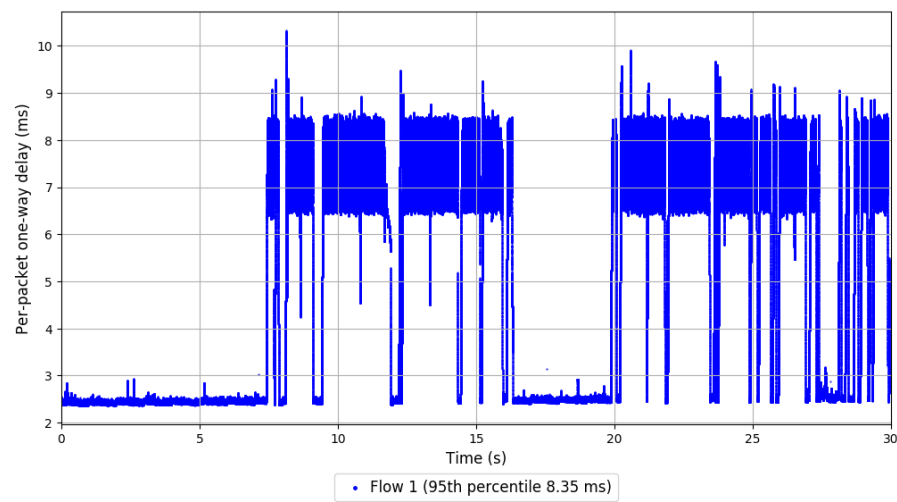
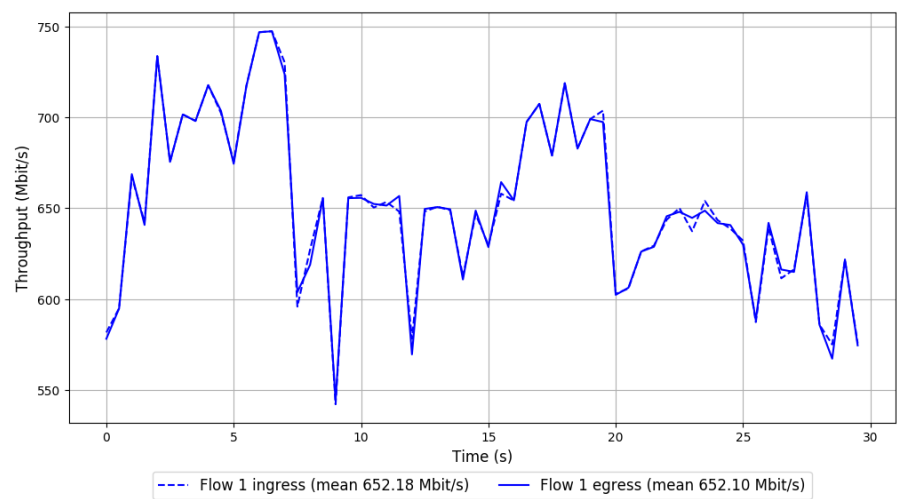
Average throughput: 652.10 Mbit/s

95th percentile per-packet one-way delay: 8.346 ms

Loss rate: 0.03%



Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: 2017-09-17 22:37:27

End at: 2017-09-17 22:37:57

Local clock offset: -4.465 ms

Remote clock offset: 0.691 ms

# Below is generated by plot.py at 2017-09-18 04:54:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 550.54 Mbit/s

95th percentile per-packet one-way delay: 8.256 ms

Loss rate: 0.04%

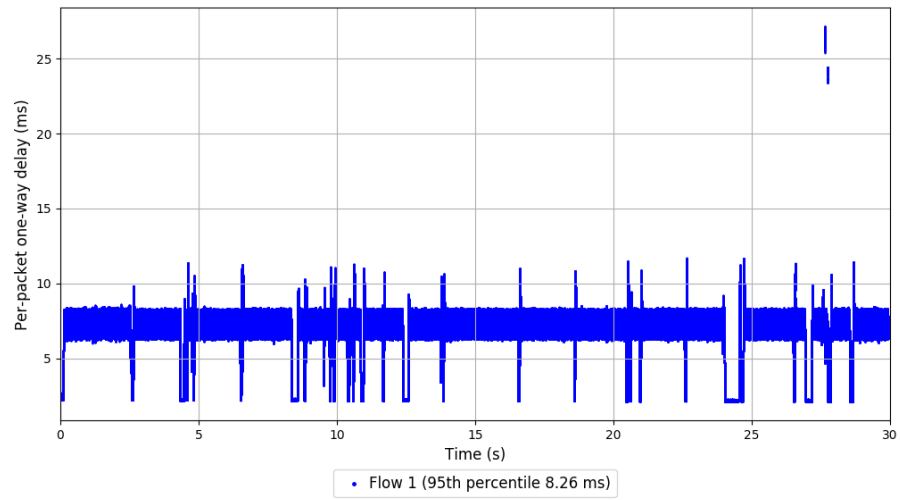
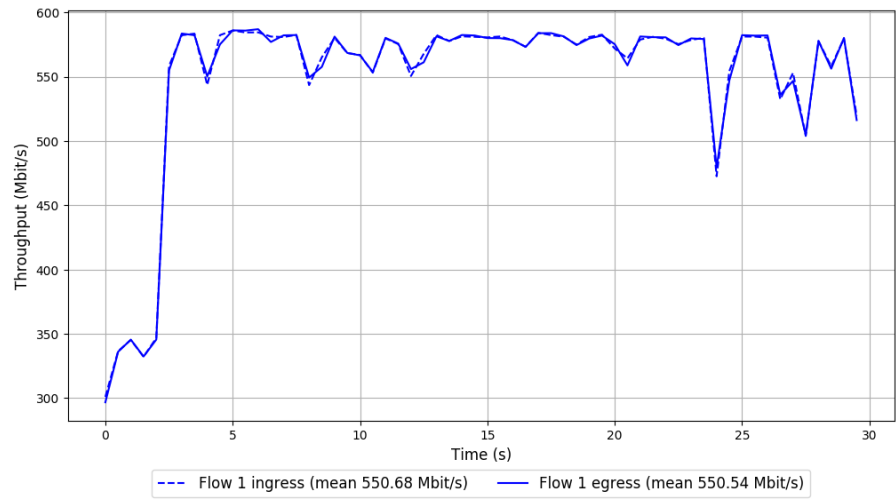
-- Flow 1:

Average throughput: 550.54 Mbit/s

95th percentile per-packet one-way delay: 8.256 ms

Loss rate: 0.04%

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



Run 5: Statistics of CalibratedKoho

Start at: 2017-09-17 22:57:15

End at: 2017-09-17 22:57:45

Local clock offset: -3.814 ms

Remote clock offset: 0.799 ms

# Below is generated by plot.py at 2017-09-18 04:54:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 699.78 Mbit/s

95th percentile per-packet one-way delay: 6.713 ms

Loss rate: 0.06%

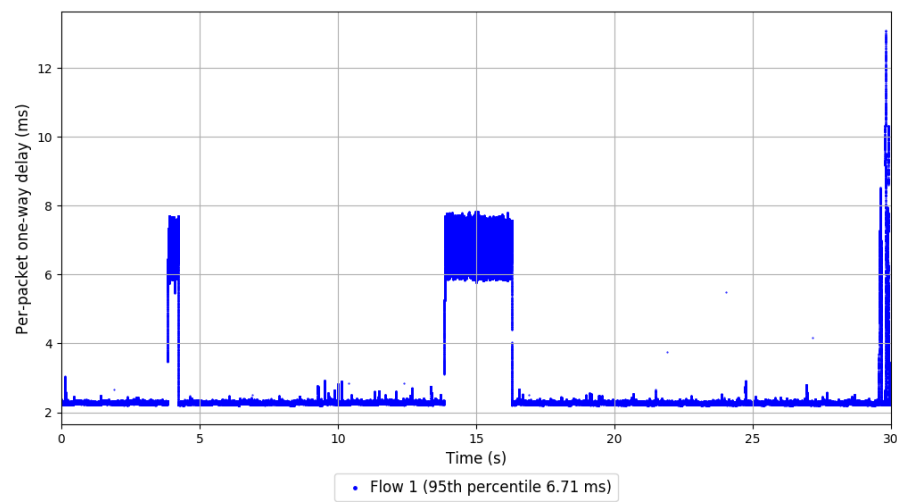
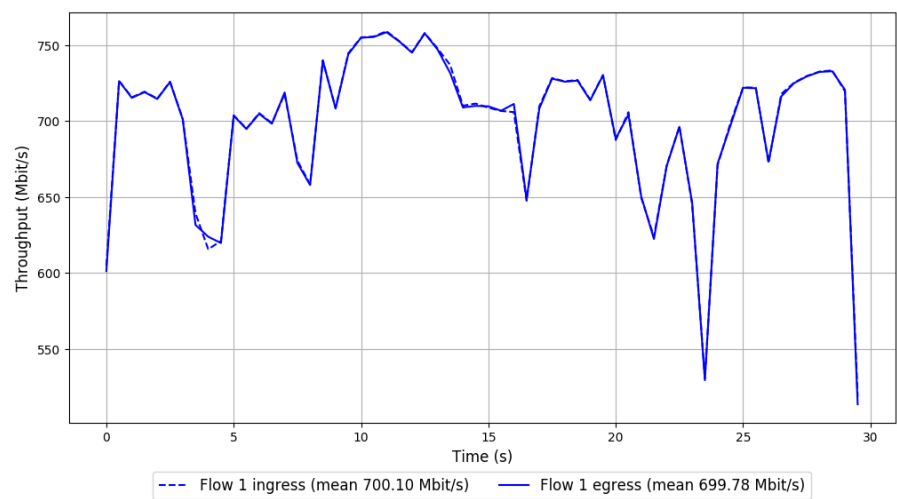
-- Flow 1:

Average throughput: 699.78 Mbit/s

95th percentile per-packet one-way delay: 6.713 ms

Loss rate: 0.06%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: 2017-09-17 23:16:59

End at: 2017-09-17 23:17:29

Local clock offset: -4.312 ms

Remote clock offset: 0.579 ms

# Below is generated by plot.py at 2017-09-18 04:54:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 625.59 Mbit/s

95th percentile per-packet one-way delay: 8.497 ms

Loss rate: 0.03%

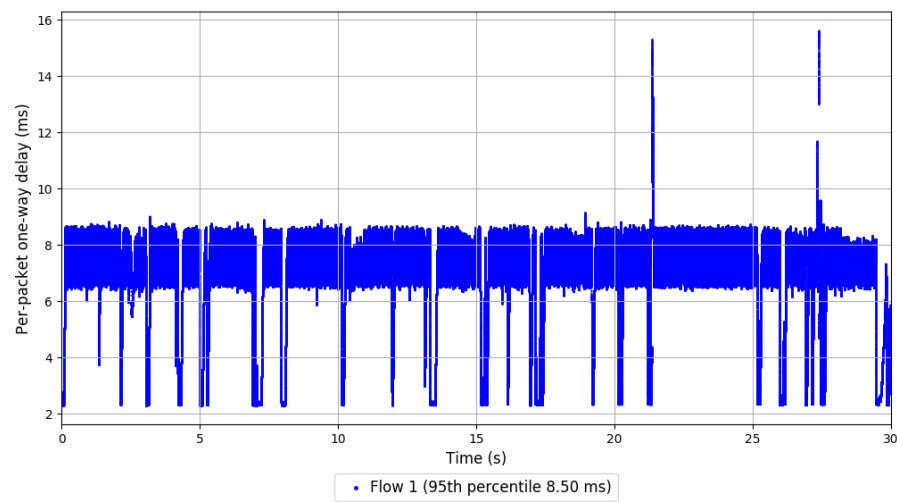
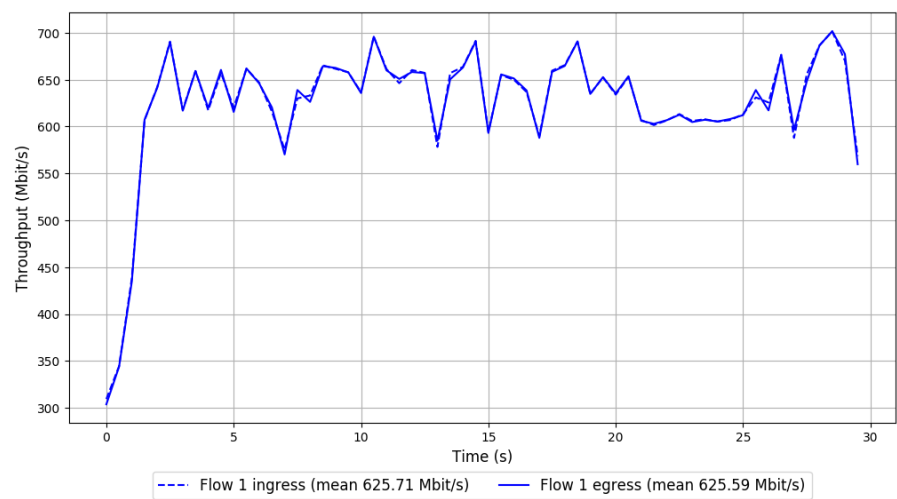
-- Flow 1:

Average throughput: 625.59 Mbit/s

95th percentile per-packet one-way delay: 8.497 ms

Loss rate: 0.03%

Run 6: Report of CalibratedKoho — Data Link



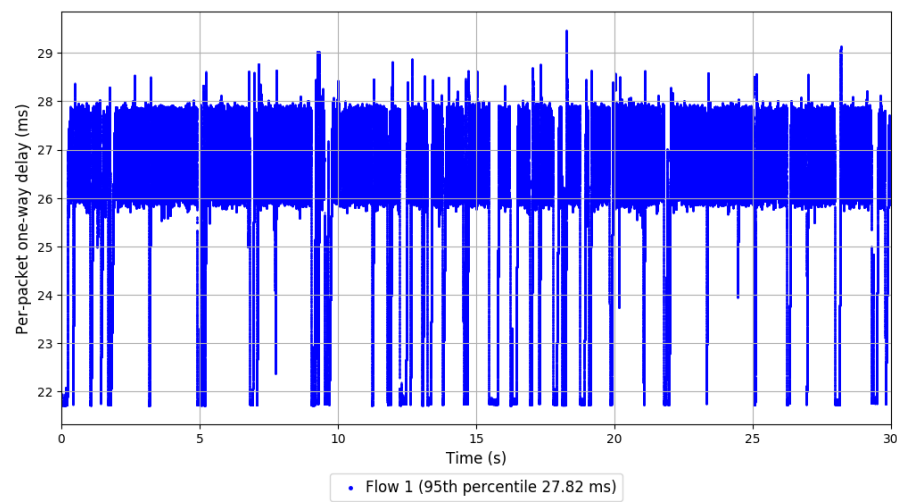
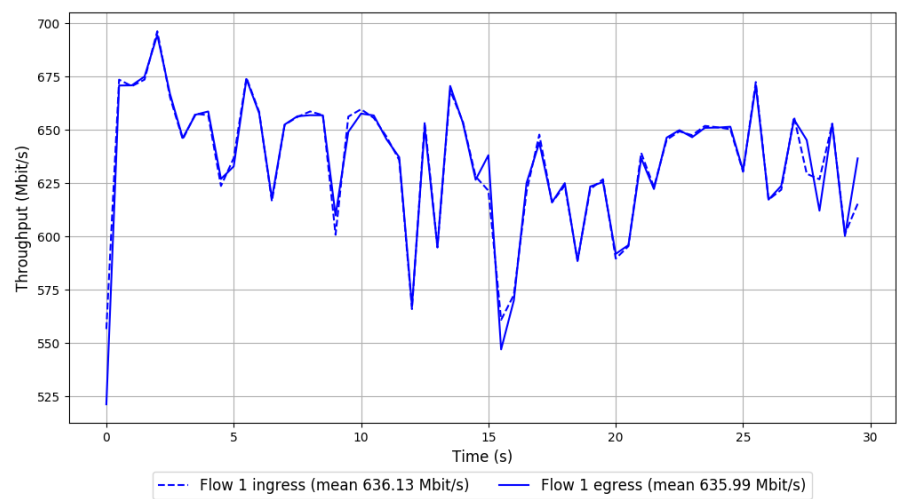
Run 7: Statistics of CalibratedKoho

Start at: 2017-09-17 23:35:42  
End at: 2017-09-17 23:36:12  
Local clock offset: -5.619 ms  
Remote clock offset: -19.054 ms

# Below is generated by plot.py at 2017-09-18 05:01:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 635.99 Mbit/s  
95th percentile per-packet one-way delay: 27.822 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 635.99 Mbit/s  
95th percentile per-packet one-way delay: 27.822 ms  
Loss rate: 0.04%



Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: 2017-09-17 23:55:28

End at: 2017-09-17 23:55:58

Local clock offset: -5.737 ms

Remote clock offset: 0.324 ms

# Below is generated by plot.py at 2017-09-18 05:01:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 647.62 Mbit/s

95th percentile per-packet one-way delay: 8.284 ms

Loss rate: 0.03%

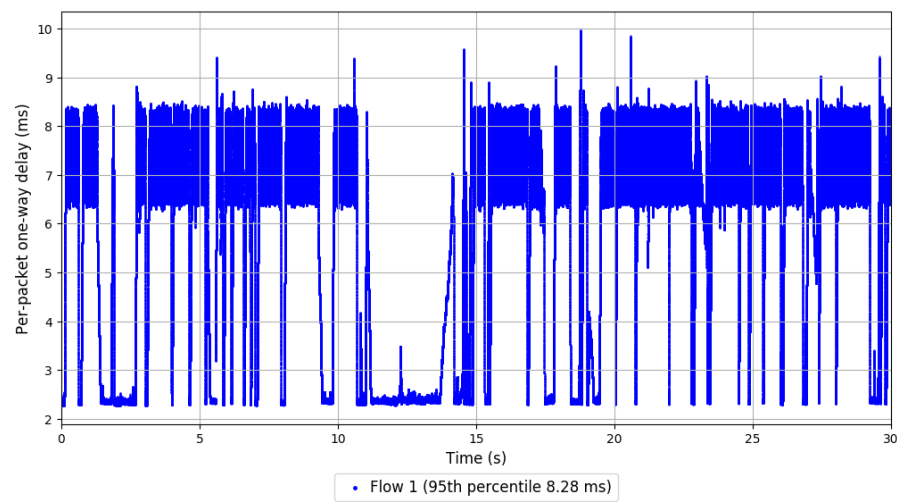
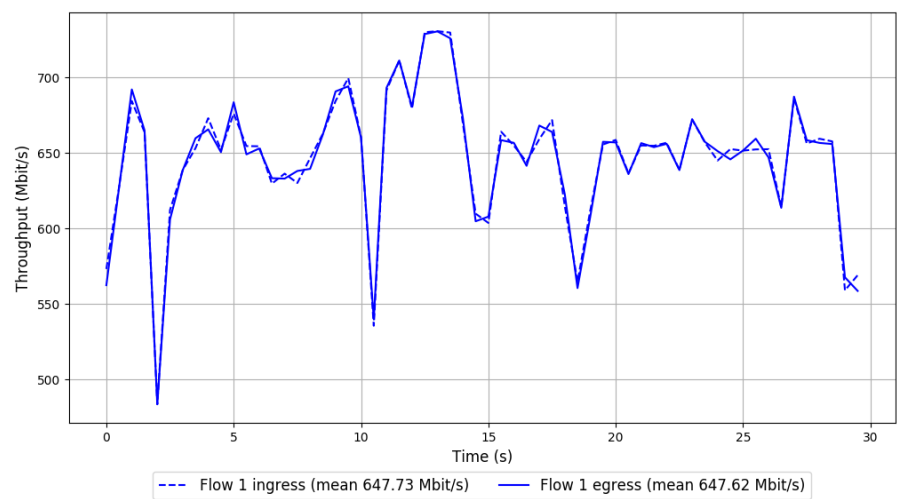
-- Flow 1:

Average throughput: 647.62 Mbit/s

95th percentile per-packet one-way delay: 8.284 ms

Loss rate: 0.03%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: 2017-09-18 00:15:15

End at: 2017-09-18 00:15:45

Local clock offset: -5.198 ms

Remote clock offset: 0.161 ms

# Below is generated by plot.py at 2017-09-18 05:01:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 647.79 Mbit/s

95th percentile per-packet one-way delay: 7.965 ms

Loss rate: 0.03%

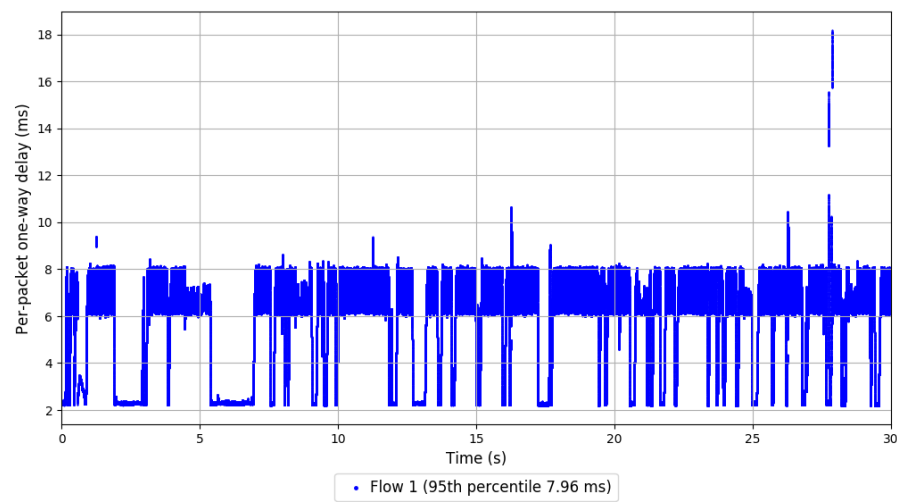
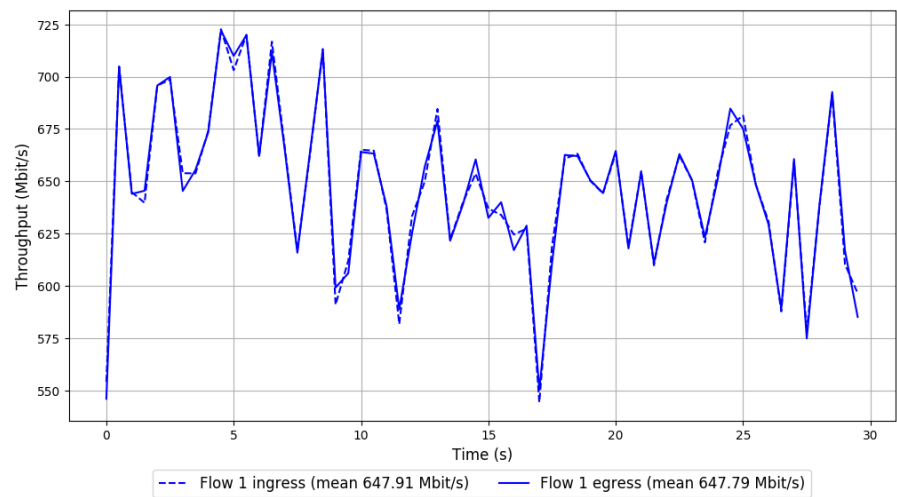
-- Flow 1:

Average throughput: 647.79 Mbit/s

95th percentile per-packet one-way delay: 7.965 ms

Loss rate: 0.03%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: 2017-09-18 00:34:49

End at: 2017-09-18 00:35:19

Local clock offset: -4.757 ms

Remote clock offset: 0.098 ms

# Below is generated by plot.py at 2017-09-18 05:02:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 620.77 Mbit/s

95th percentile per-packet one-way delay: 8.575 ms

Loss rate: 0.04%

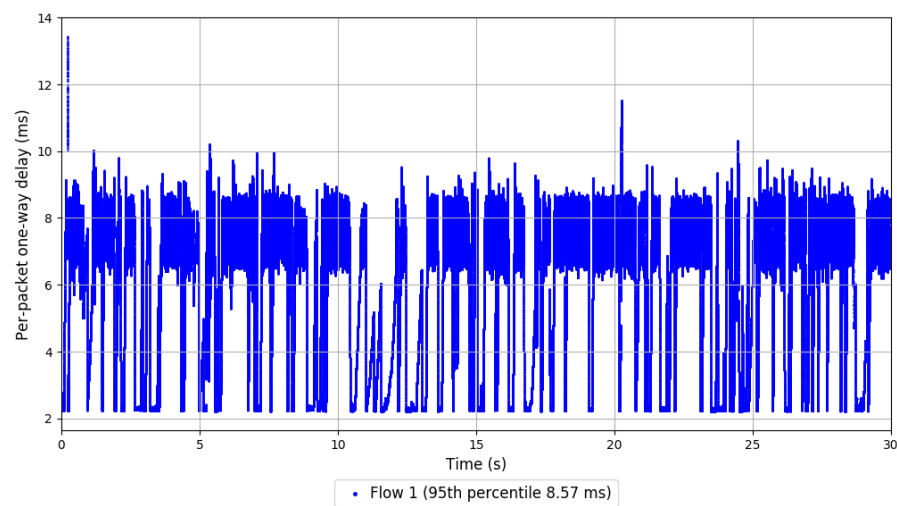
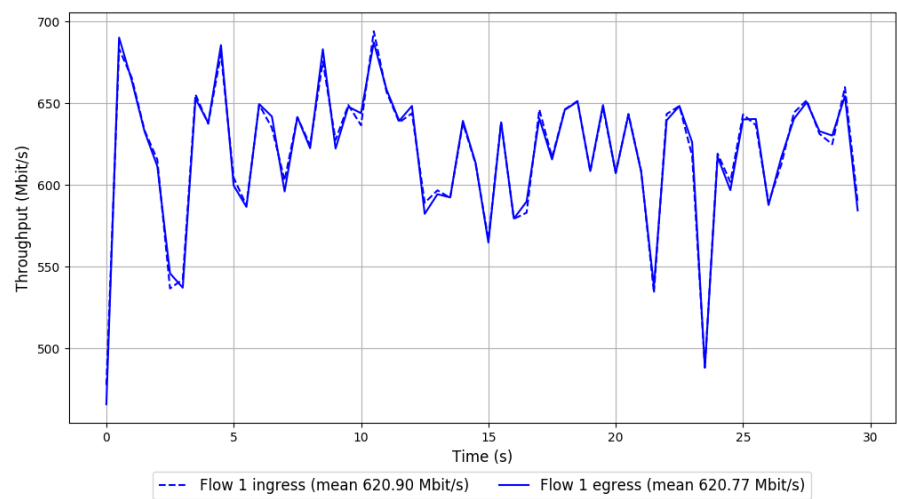
-- Flow 1:

Average throughput: 620.77 Mbit/s

95th percentile per-packet one-way delay: 8.575 ms

Loss rate: 0.04%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: 2017-09-17 21:29:27

End at: 2017-09-17 21:29:57

Local clock offset: -9.057 ms

Remote clock offset: 0.235 ms

# Below is generated by plot.py at 2017-09-18 05:02:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.96 Mbit/s

95th percentile per-packet one-way delay: 2.235 ms

Loss rate: 0.02%

-- Flow 1:

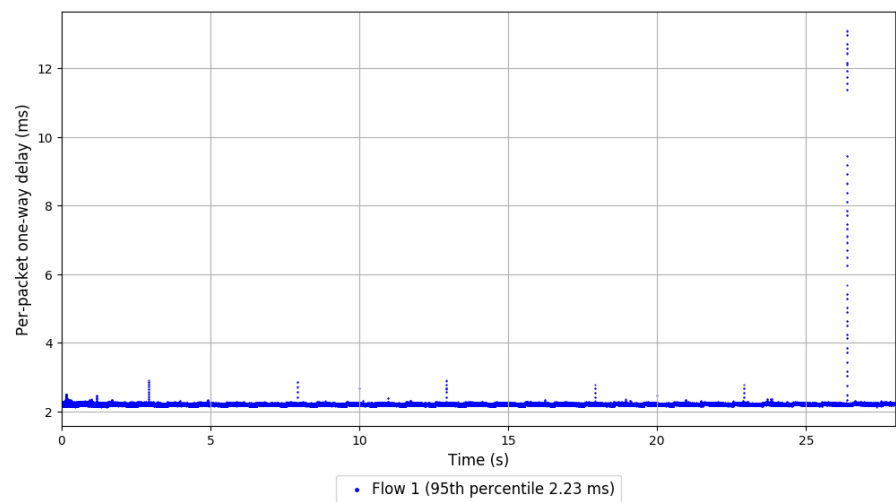
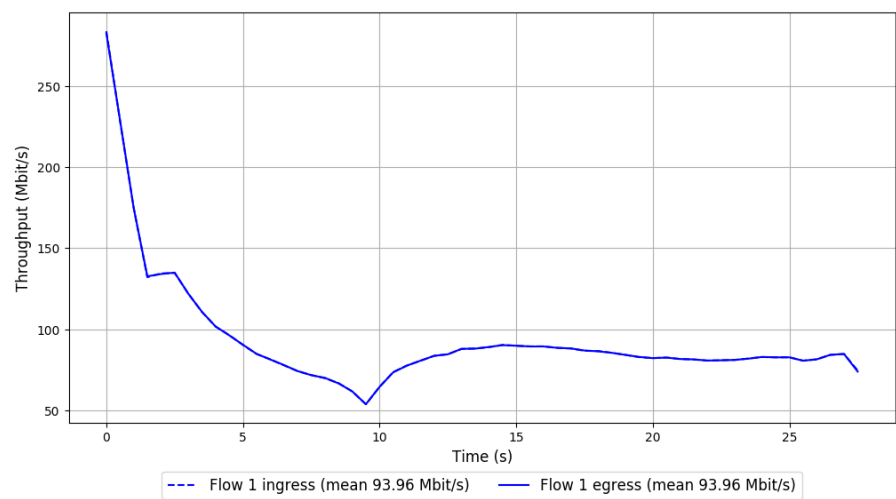
Average throughput: 93.96 Mbit/s

95th percentile per-packet one-way delay: 2.235 ms

Loss rate: 0.02%



Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2017-09-17 21:49:12

End at: 2017-09-17 21:49:42

Local clock offset: -4.974 ms

Remote clock offset: 0.474 ms

# Below is generated by plot.py at 2017-09-18 05:02:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.65 Mbit/s

95th percentile per-packet one-way delay: 2.418 ms

Loss rate: 0.02%

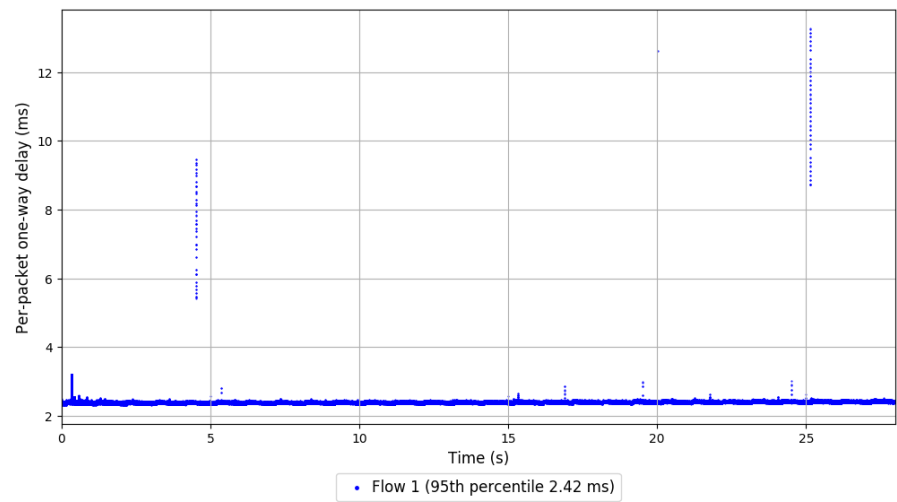
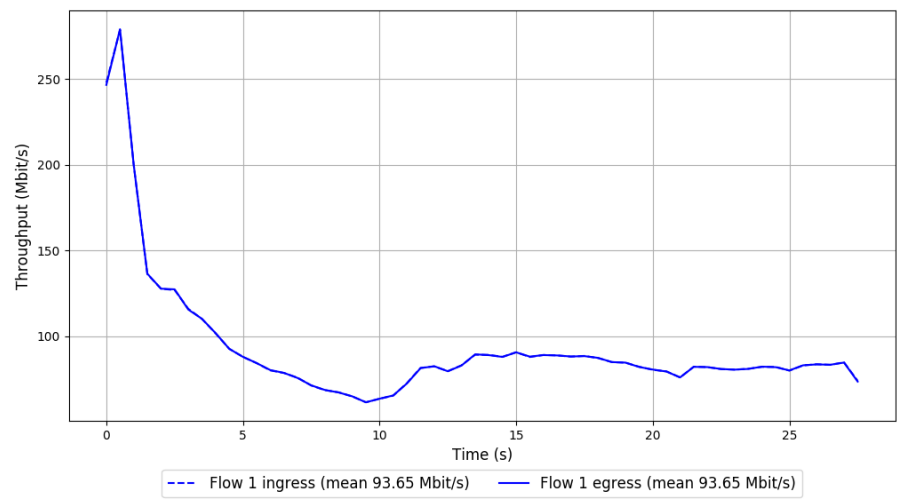
-- Flow 1:

Average throughput: 93.65 Mbit/s

95th percentile per-packet one-way delay: 2.418 ms

Loss rate: 0.02%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

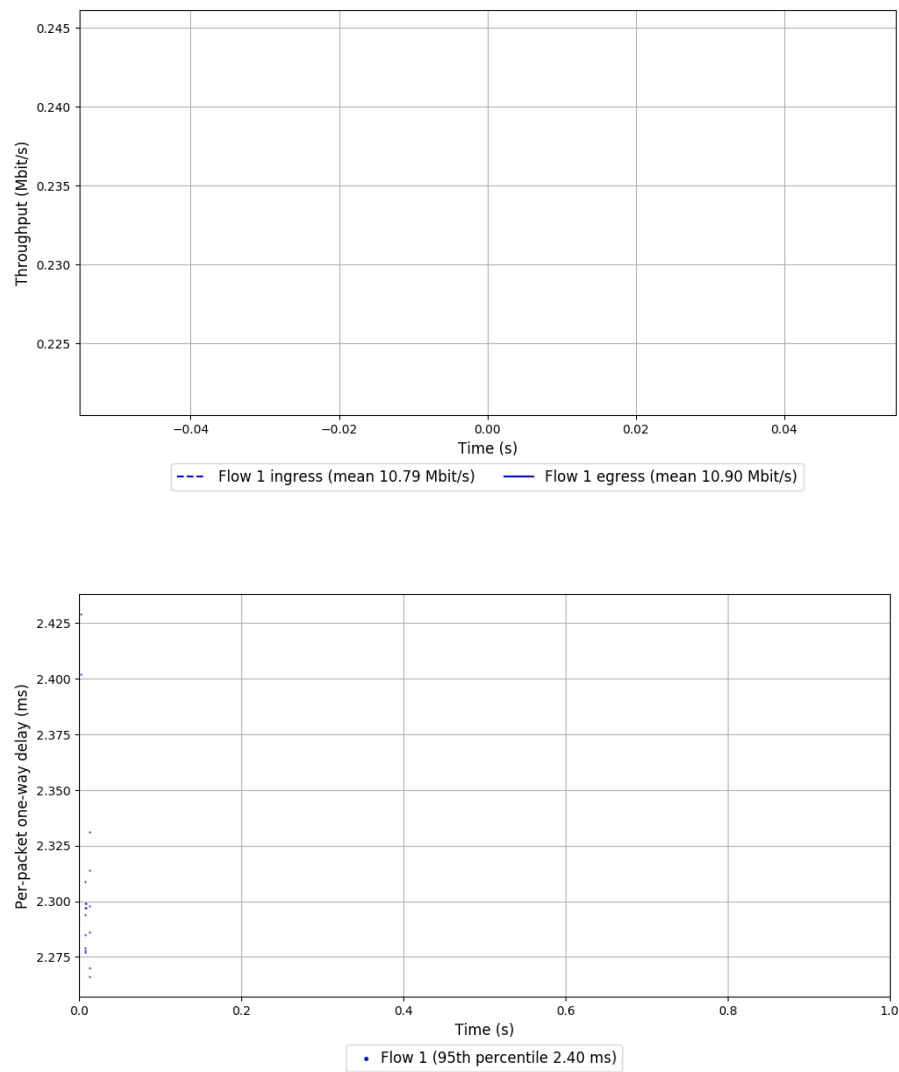
Start at: 2017-09-17 22:09:05

End at: 2017-09-17 22:09:35

Local clock offset: -2.96 ms

Remote clock offset: 0.84 ms

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2017-09-17 22:28:46

End at: 2017-09-17 22:29:16

Local clock offset: -4.902 ms

Remote clock offset: 0.818 ms

# Below is generated by plot.py at 2017-09-18 05:02:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.02 Mbit/s

95th percentile per-packet one-way delay: 2.323 ms

Loss rate: 0.01%

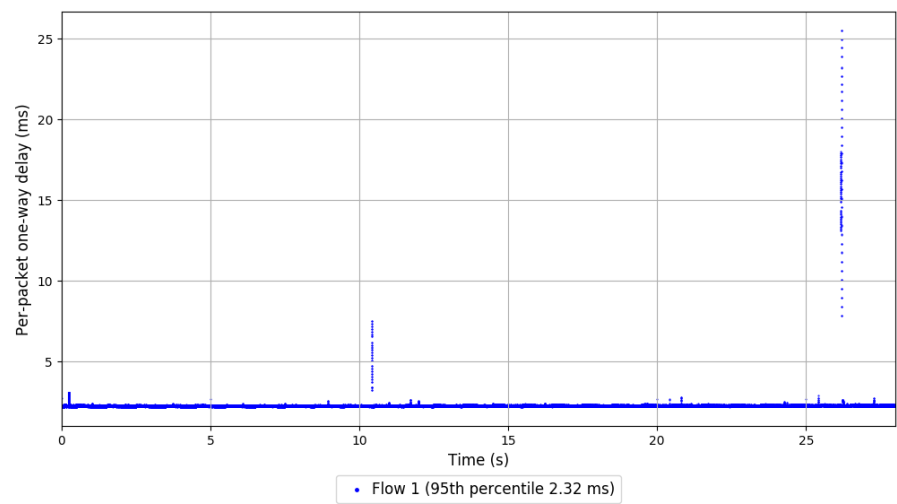
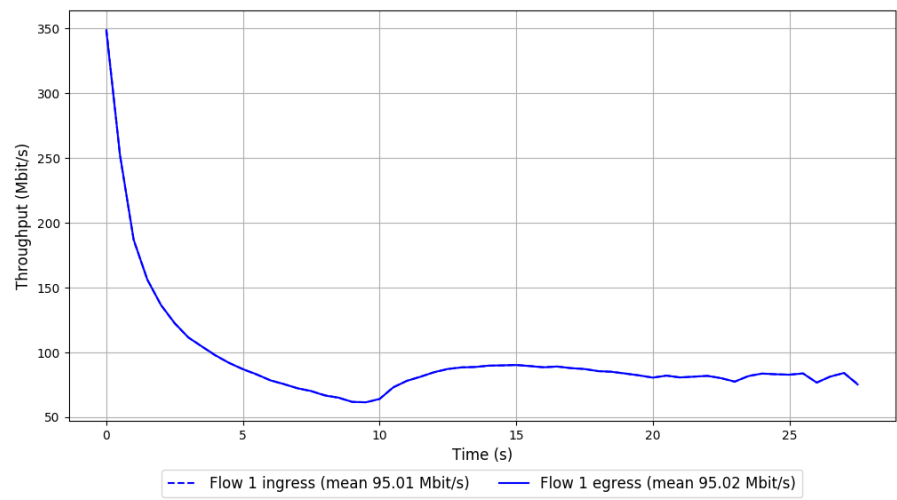
-- Flow 1:

Average throughput: 95.02 Mbit/s

95th percentile per-packet one-way delay: 2.323 ms

Loss rate: 0.01%

Run 4: Report of Copa — Data Link



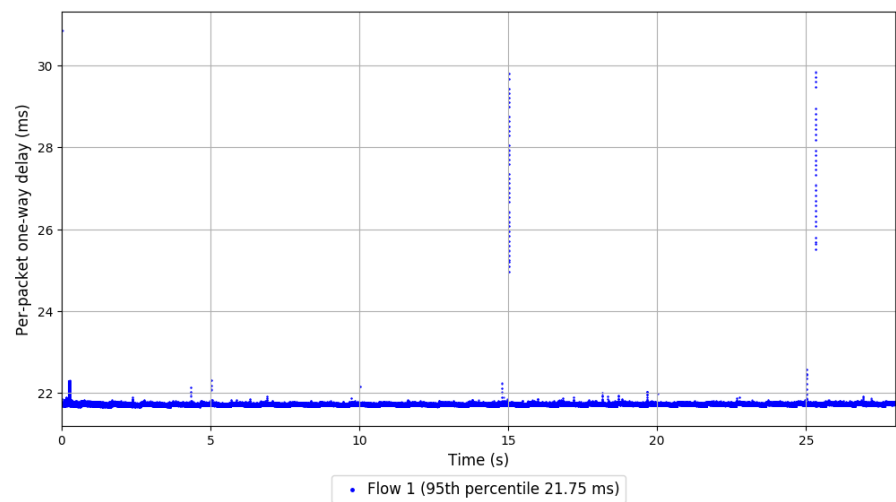
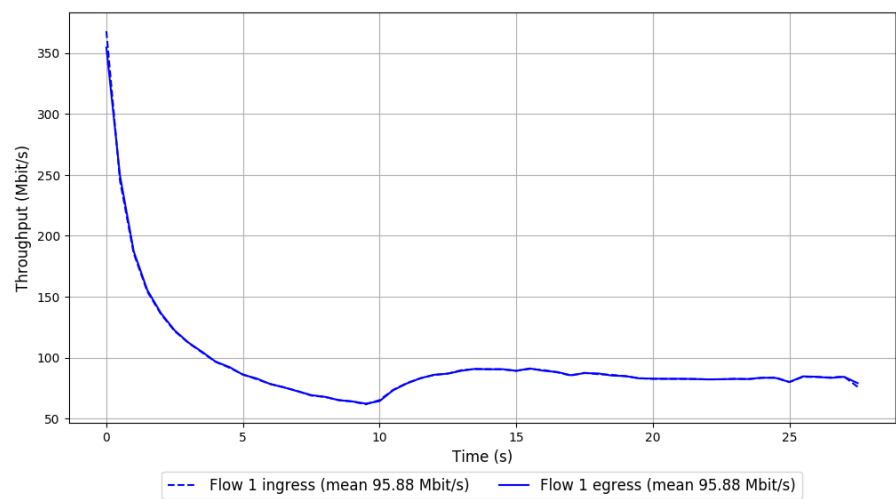
Run 5: Statistics of Copa

Start at: 2017-09-17 22:48:33  
End at: 2017-09-17 22:49:03  
Local clock offset: -3.646 ms  
Remote clock offset: -18.698 ms

# Below is generated by plot.py at 2017-09-18 05:02:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.88 Mbit/s  
95th percentile per-packet one-way delay: 21.752 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 95.88 Mbit/s  
95th percentile per-packet one-way delay: 21.752 ms  
Loss rate: 0.01%



Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: 2017-09-17 23:08:18

End at: 2017-09-17 23:08:49

Local clock offset: -3.848 ms

Remote clock offset: 0.729 ms

# Below is generated by plot.py at 2017-09-18 05:02:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.72 Mbit/s

95th percentile per-packet one-way delay: 2.373 ms

Loss rate: 0.01%

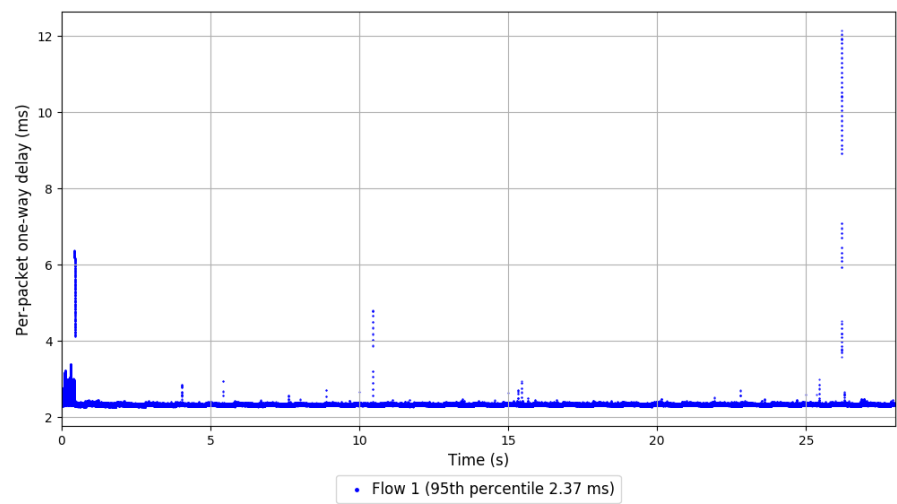
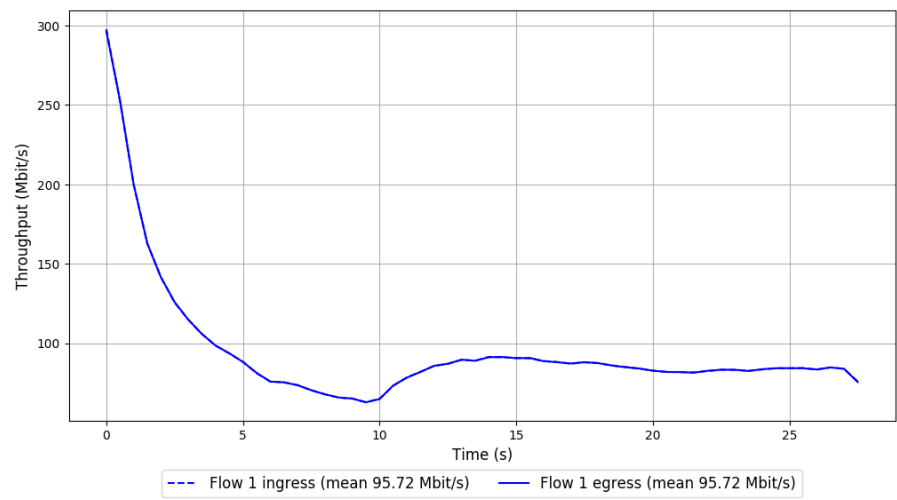
-- Flow 1:

Average throughput: 95.72 Mbit/s

95th percentile per-packet one-way delay: 2.373 ms

Loss rate: 0.01%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: 2017-09-17 23:27:47

End at: 2017-09-17 23:28:17

Local clock offset: -5.037 ms

Remote clock offset: 0.504 ms

# Below is generated by plot.py at 2017-09-18 05:02:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.15 Mbit/s

95th percentile per-packet one-way delay: 2.421 ms

Loss rate: 0.02%

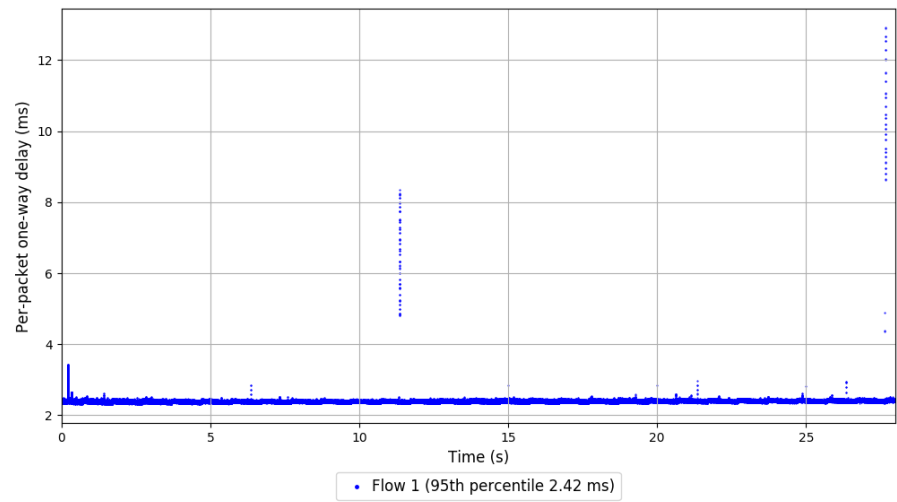
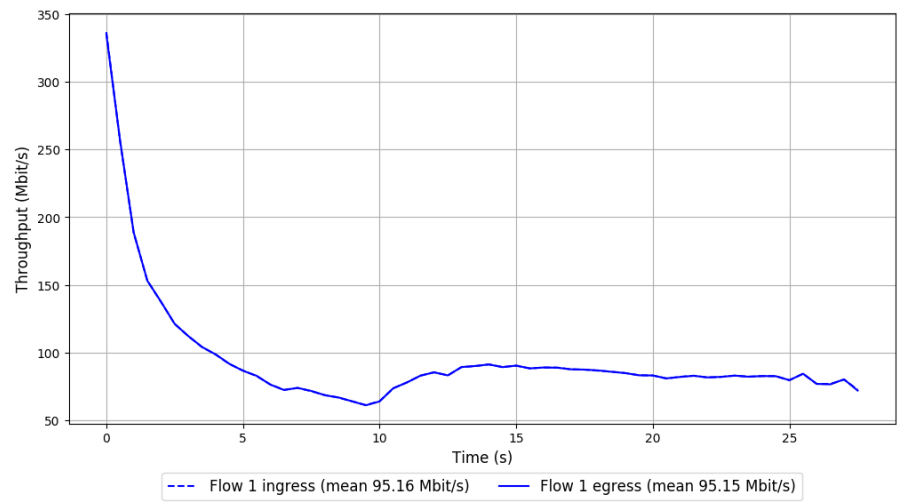
-- Flow 1:

Average throughput: 95.15 Mbit/s

95th percentile per-packet one-way delay: 2.421 ms

Loss rate: 0.02%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: 2017-09-17 23:46:48

End at: 2017-09-17 23:47:18

Local clock offset: -5.429 ms

Remote clock offset: 0.471 ms

# Below is generated by plot.py at 2017-09-18 05:02:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 2.311 ms

Loss rate: 0.02%

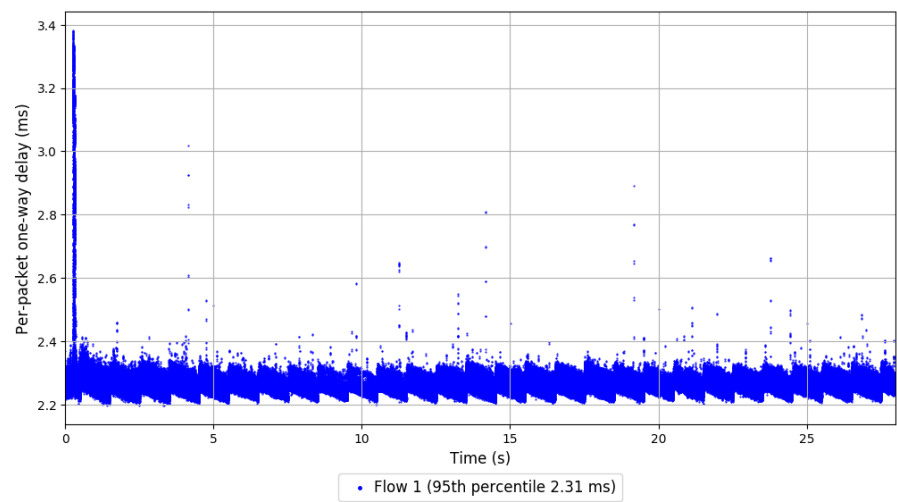
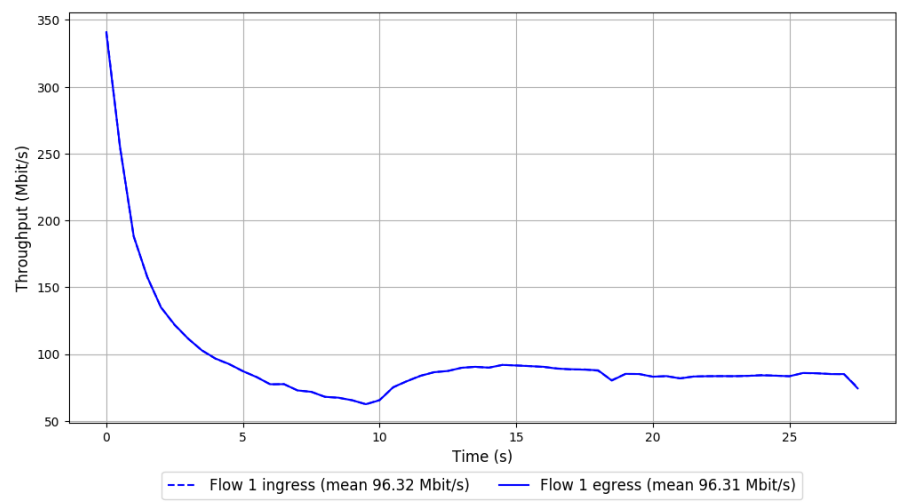
-- Flow 1:

Average throughput: 96.31 Mbit/s

95th percentile per-packet one-way delay: 2.311 ms

Loss rate: 0.02%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2017-09-18 00:06:32

End at: 2017-09-18 00:07:02

Local clock offset: -5.804 ms

Remote clock offset: 0.204 ms

# Below is generated by plot.py at 2017-09-18 05:02:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.69 Mbit/s

95th percentile per-packet one-way delay: 2.238 ms

Loss rate: 0.01%

-- Flow 1:

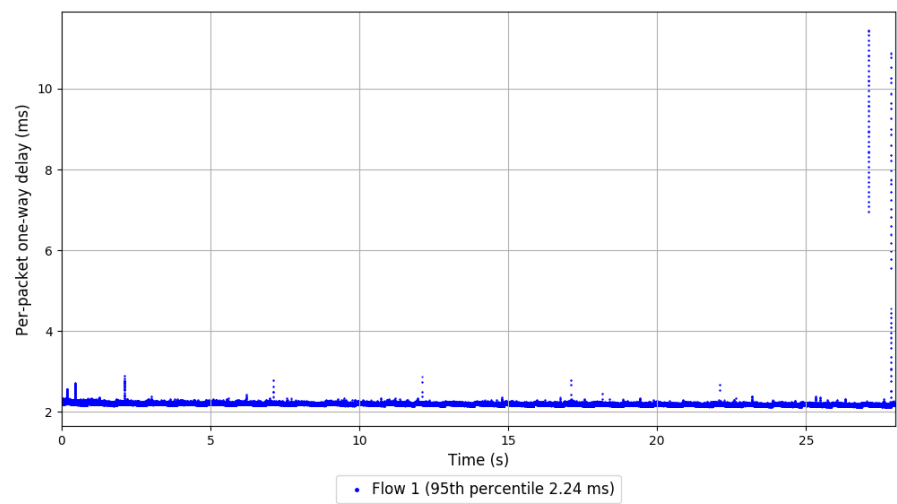
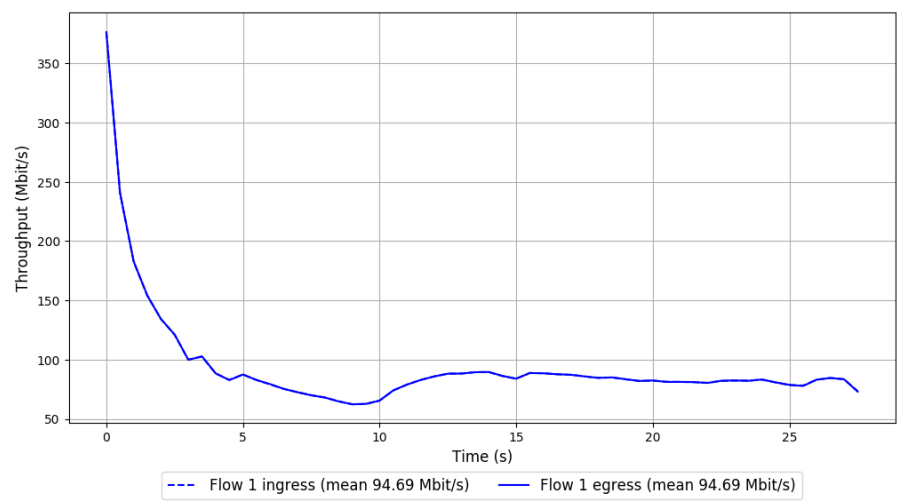
Average throughput: 94.69 Mbit/s

95th percentile per-packet one-way delay: 2.238 ms

Loss rate: 0.01%



Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2017-09-18 00:26:10

End at: 2017-09-18 00:26:40

Local clock offset: -5.065 ms

Remote clock offset: 0.037 ms

# Below is generated by plot.py at 2017-09-18 05:02:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.44 Mbit/s

95th percentile per-packet one-way delay: 2.356 ms

Loss rate: 0.02%

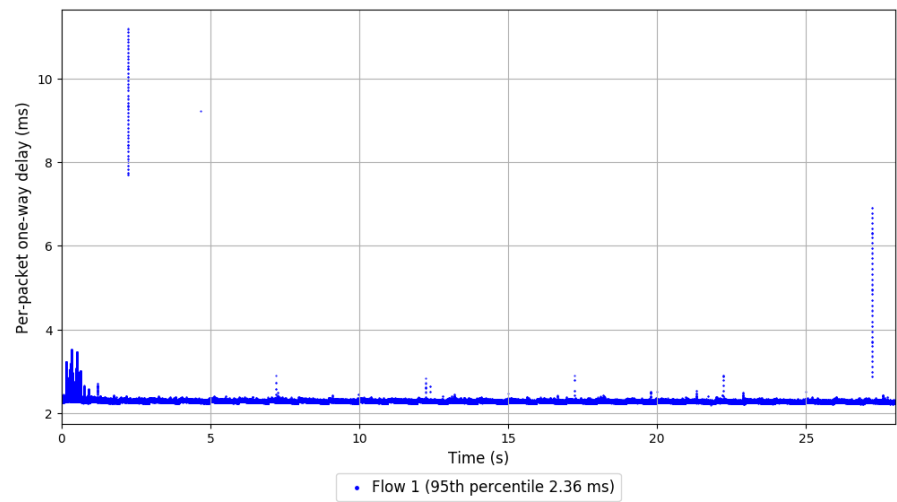
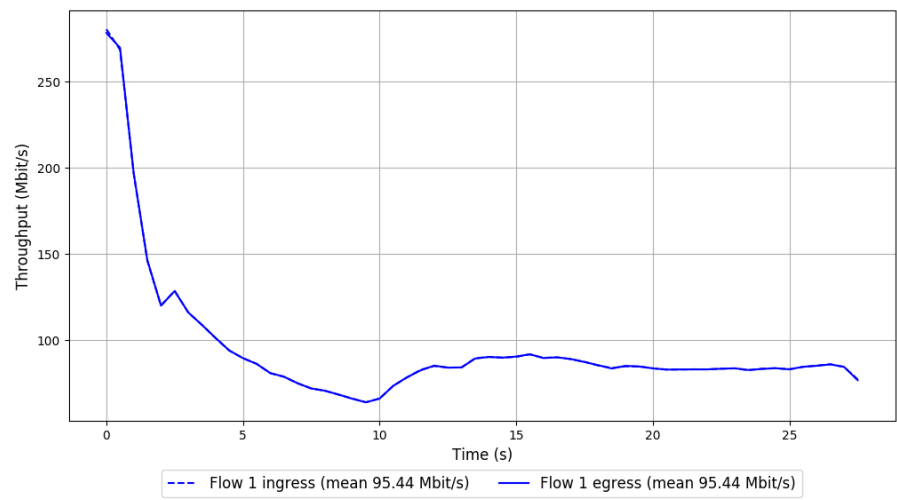
-- Flow 1:

Average throughput: 95.44 Mbit/s

95th percentile per-packet one-way delay: 2.356 ms

Loss rate: 0.02%

Run 10: Report of Copa — Data Link

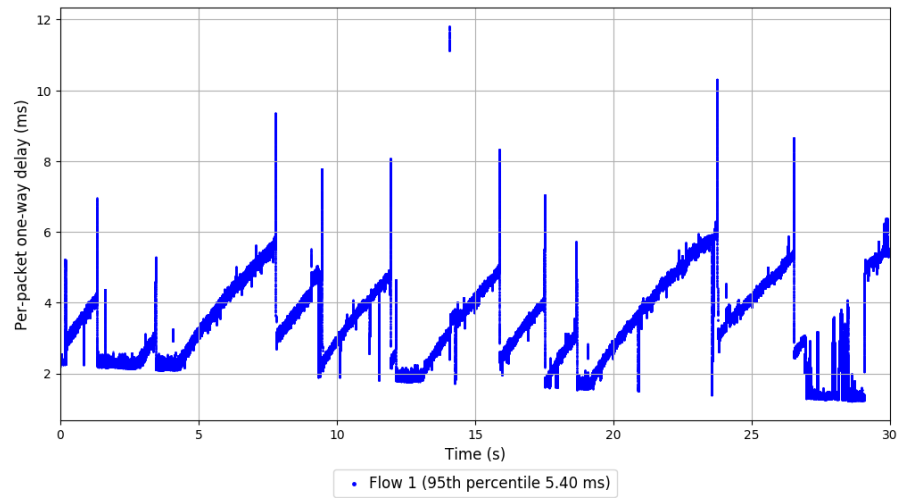
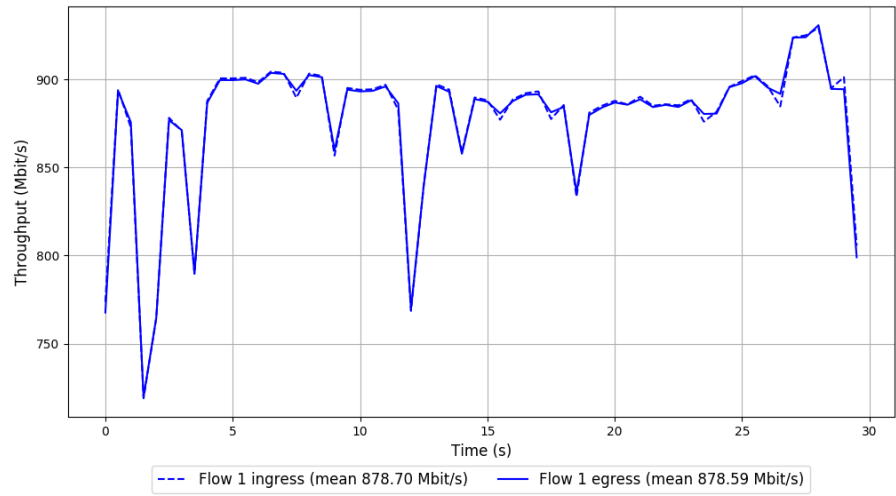


Run 1: Statistics of TCP Cubic

Start at: 2017-09-17 21:23:45  
End at: 2017-09-17 21:24:15  
Local clock offset: -14.299 ms  
Remote clock offset: 0.151 ms

# Below is generated by plot.py at 2017-09-18 05:11:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 878.59 Mbit/s  
95th percentile per-packet one-way delay: 5.396 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 878.59 Mbit/s  
95th percentile per-packet one-way delay: 5.396 ms  
Loss rate: 0.03%

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



Run 2: Statistics of TCP Cubic

Start at: 2017-09-17 21:43:34

End at: 2017-09-17 21:44:04

Local clock offset: -6.185 ms

Remote clock offset: 0.473 ms

# Below is generated by plot.py at 2017-09-18 05:11:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 701.79 Mbit/s

95th percentile per-packet one-way delay: 44.130 ms

Loss rate: 0.06%

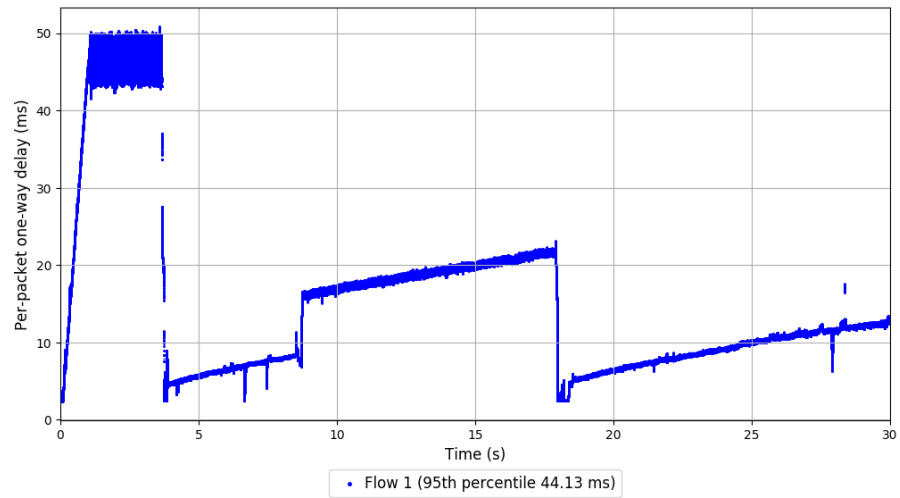
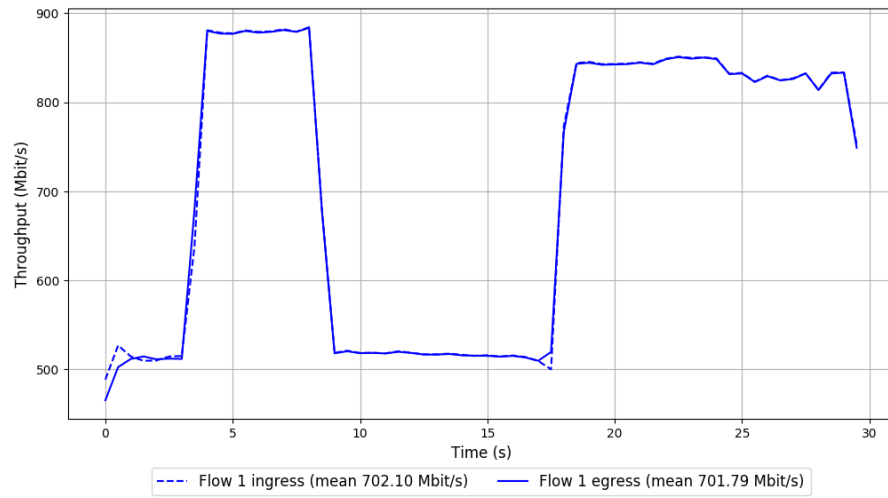
-- Flow 1:

Average throughput: 701.79 Mbit/s

95th percentile per-packet one-way delay: 44.130 ms

Loss rate: 0.06%

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



Run 3: Statistics of TCP Cubic

Start at: 2017-09-17 22:03:27

End at: 2017-09-17 22:03:57

Local clock offset: -3.19 ms

Remote clock offset: 0.813 ms

# Below is generated by plot.py at 2017-09-18 05:12:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 851.43 Mbit/s

95th percentile per-packet one-way delay: 25.985 ms

Loss rate: 0.04%

-- Flow 1:

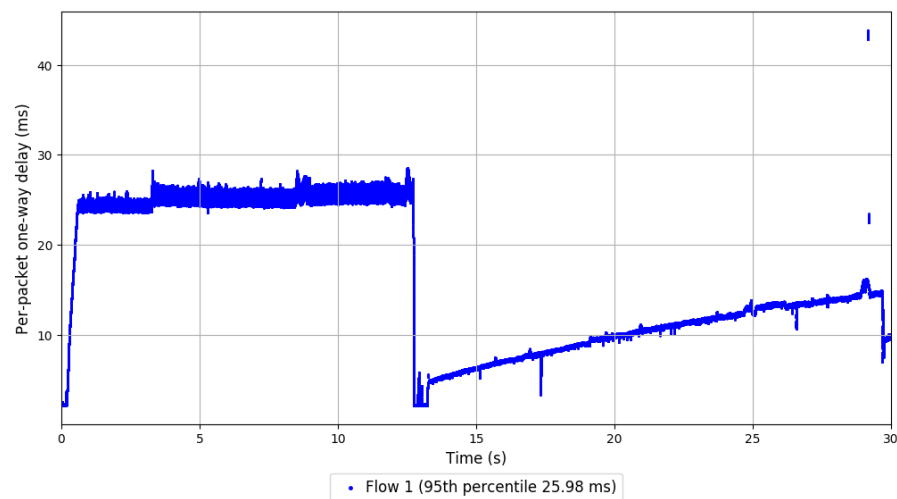
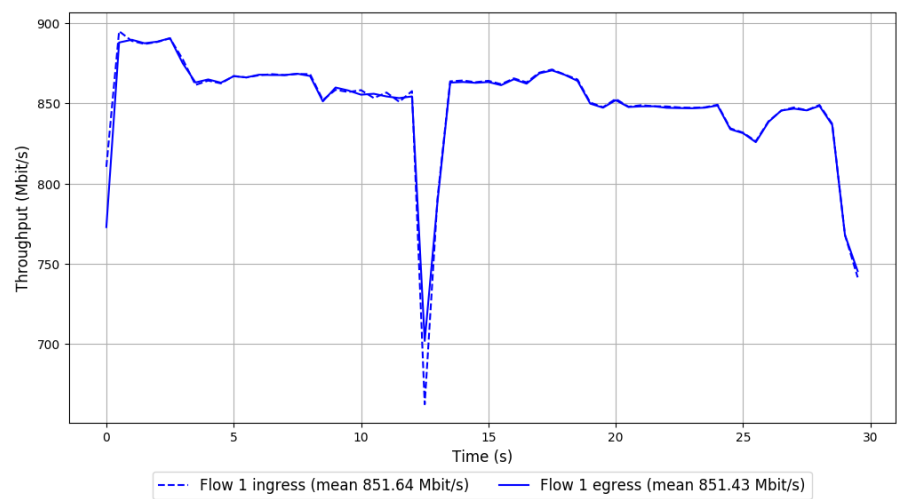
Average throughput: 851.43 Mbit/s

95th percentile per-packet one-way delay: 25.985 ms

Loss rate: 0.04%



Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: 2017-09-17 22:23:01

End at: 2017-09-17 22:23:31

Local clock offset: -4.516 ms

Remote clock offset: 0.87 ms

# Below is generated by plot.py at 2017-09-18 05:13:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 925.05 Mbit/s

95th percentile per-packet one-way delay: 5.789 ms

Loss rate: 0.02%

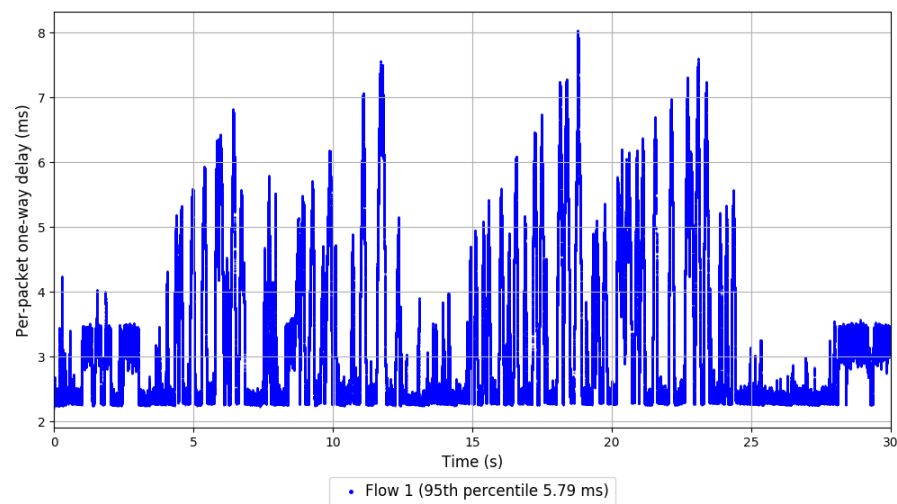
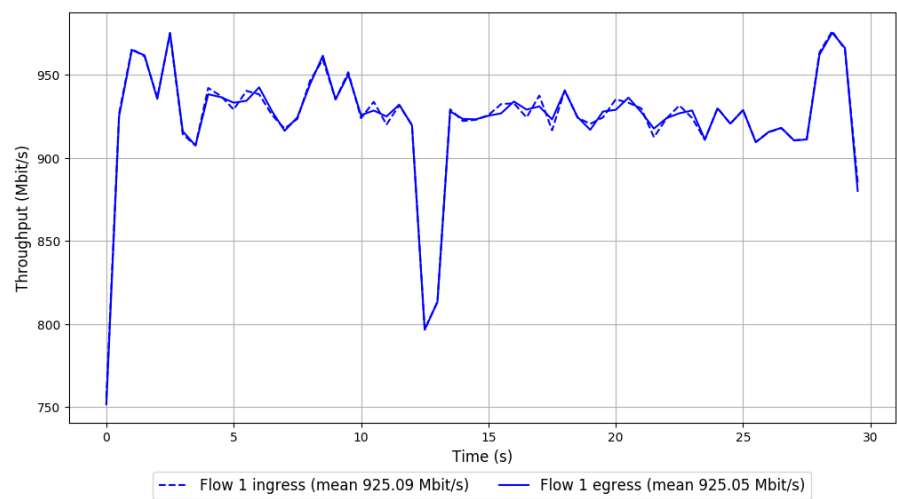
-- Flow 1:

Average throughput: 925.05 Mbit/s

95th percentile per-packet one-way delay: 5.789 ms

Loss rate: 0.02%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: 2017-09-17 22:42:53

End at: 2017-09-17 22:43:23

Local clock offset: -3.72 ms

Remote clock offset: 0.716 ms

# Below is generated by plot.py at 2017-09-18 05:13:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 857.14 Mbit/s

95th percentile per-packet one-way delay: 24.721 ms

Loss rate: 0.09%

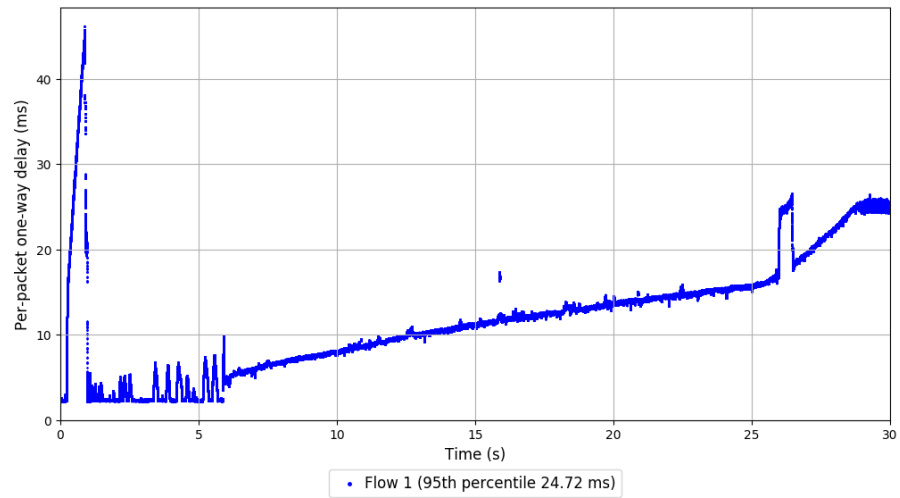
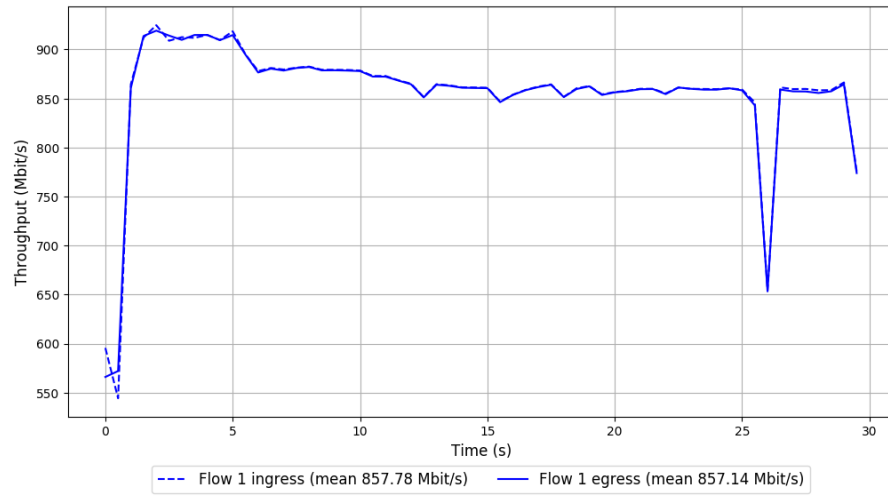
-- Flow 1:

Average throughput: 857.14 Mbit/s

95th percentile per-packet one-way delay: 24.721 ms

Loss rate: 0.09%

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



Run 6: Statistics of TCP Cubic

Start at: 2017-09-17 23:02:38

End at: 2017-09-17 23:03:08

Local clock offset: -3.796 ms

Remote clock offset: 0.774 ms

# Below is generated by plot.py at 2017-09-18 05:13:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 848.28 Mbit/s

95th percentile per-packet one-way delay: 18.689 ms

Loss rate: 0.02%

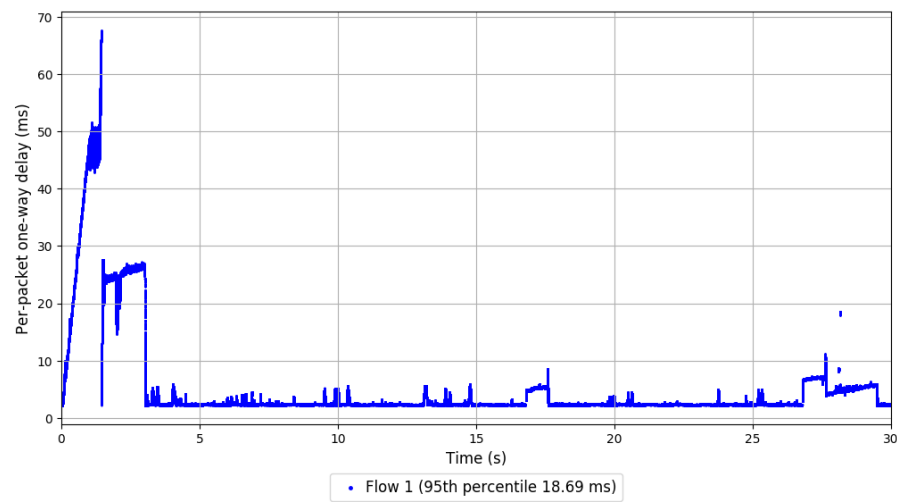
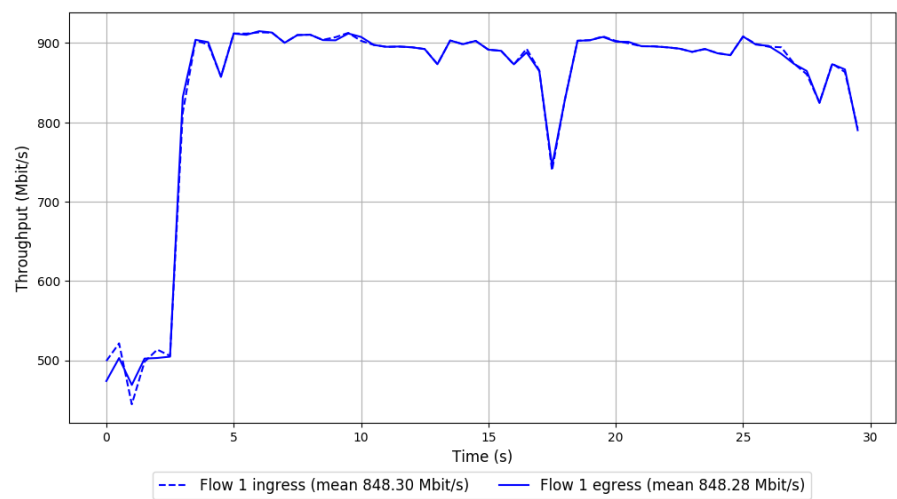
-- Flow 1:

Average throughput: 848.28 Mbit/s

95th percentile per-packet one-way delay: 18.689 ms

Loss rate: 0.02%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: 2017-09-17 23:22:10

End at: 2017-09-17 23:22:40

Local clock offset: -4.723 ms

Remote clock offset: 0.536 ms

# Below is generated by plot.py at 2017-09-18 05:13:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 802.01 Mbit/s

95th percentile per-packet one-way delay: 14.016 ms

Loss rate: 0.03%

-- Flow 1:

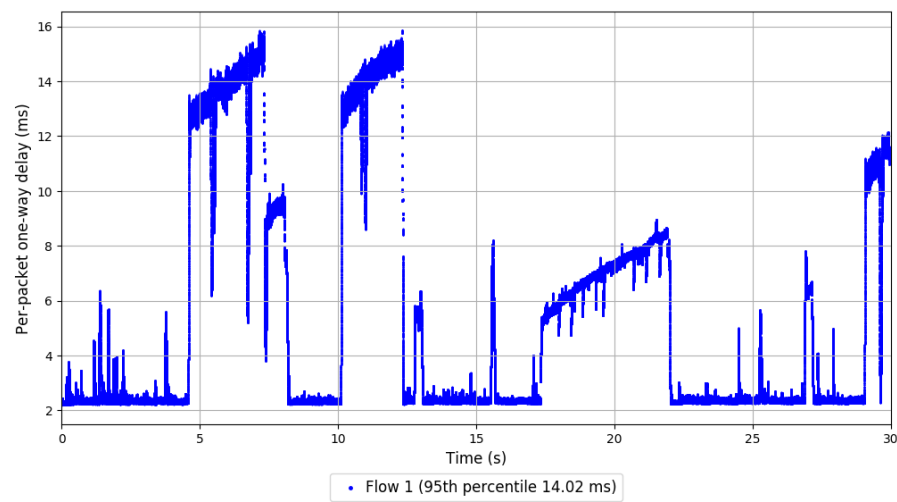
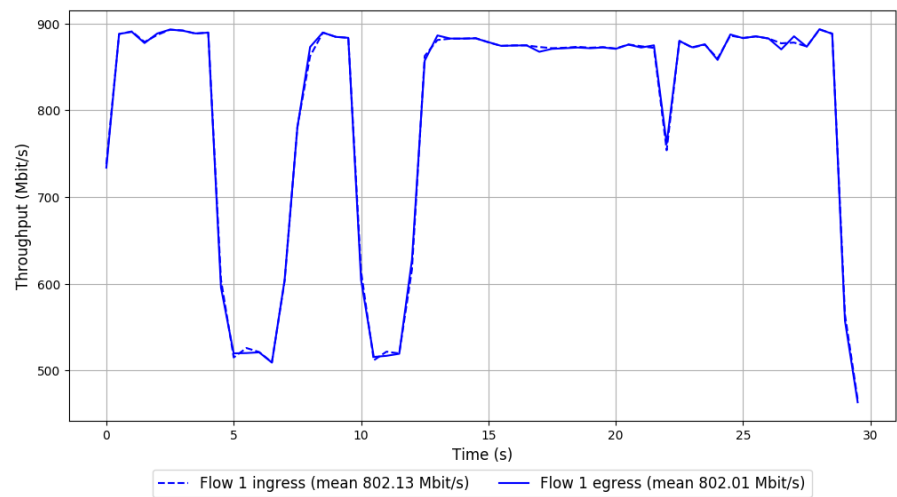
Average throughput: 802.01 Mbit/s

95th percentile per-packet one-way delay: 14.016 ms

Loss rate: 0.03%



Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2017-09-17 23:41:05

End at: 2017-09-17 23:41:35

Local clock offset: -5.508 ms

Remote clock offset: 0.365 ms

# Below is generated by plot.py at 2017-09-18 05:14:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 892.83 Mbit/s

95th percentile per-packet one-way delay: 9.247 ms

Loss rate: 0.02%

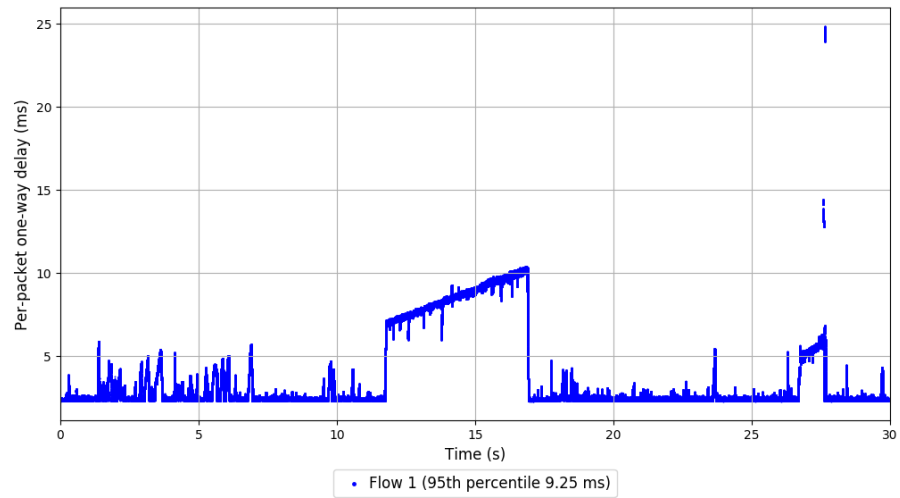
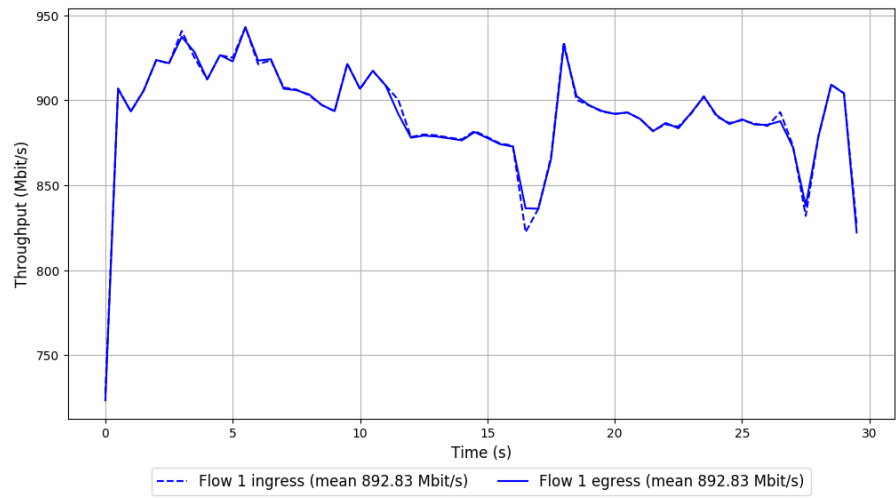
-- Flow 1:

Average throughput: 892.83 Mbit/s

95th percentile per-packet one-way delay: 9.247 ms

Loss rate: 0.02%

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



Run 9: Statistics of TCP Cubic

Start at: 2017-09-18 00:00:50

End at: 2017-09-18 00:01:20

Local clock offset: -6.024 ms

Remote clock offset: 0.273 ms

# Below is generated by plot.py at 2017-09-18 05:22:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 876.17 Mbit/s

95th percentile per-packet one-way delay: 21.643 ms

Loss rate: 0.09%

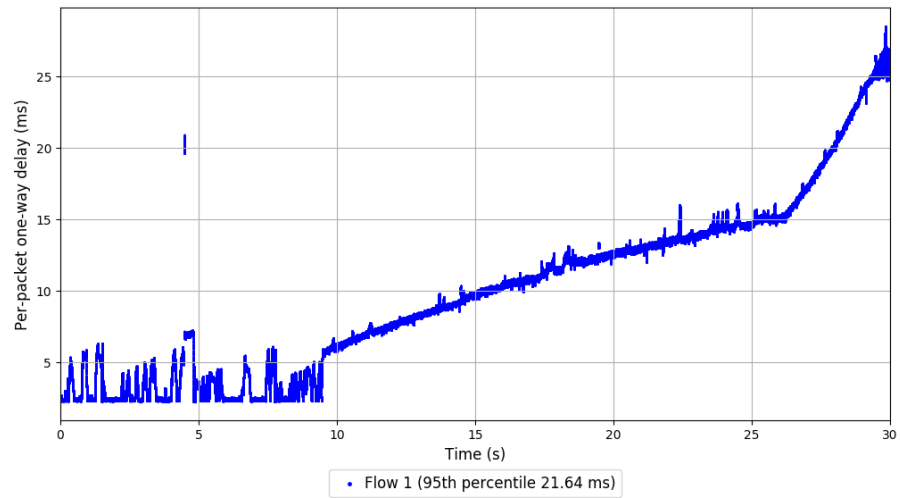
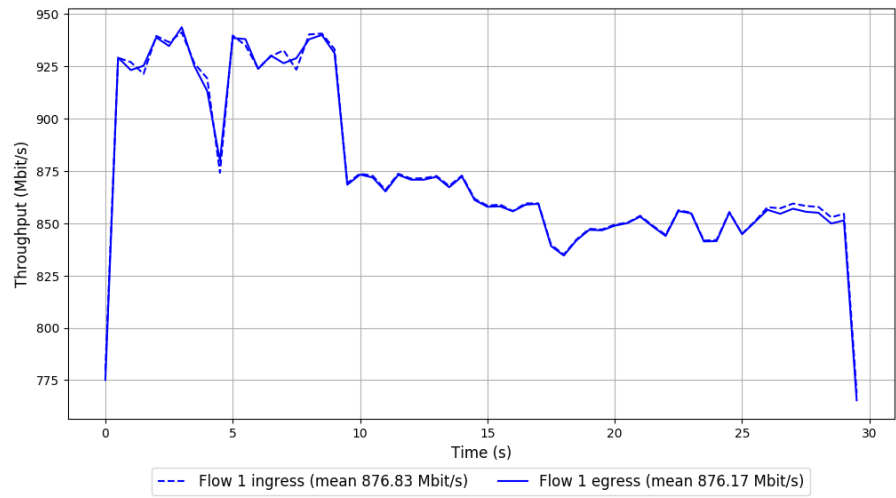
-- Flow 1:

Average throughput: 876.17 Mbit/s

95th percentile per-packet one-way delay: 21.643 ms

Loss rate: 0.09%

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



Run 10: Statistics of TCP Cubic

Start at: 2017-09-18 00:20:33

End at: 2017-09-18 00:21:03

Local clock offset: -5.036 ms

Remote clock offset: 0.138 ms

# Below is generated by plot.py at 2017-09-18 05:22:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 827.97 Mbit/s

95th percentile per-packet one-way delay: 28.137 ms

Loss rate: 0.09%

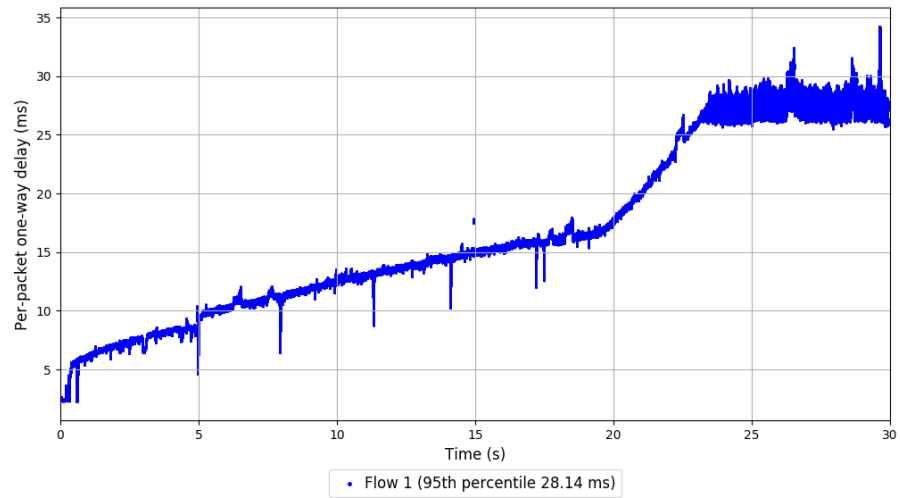
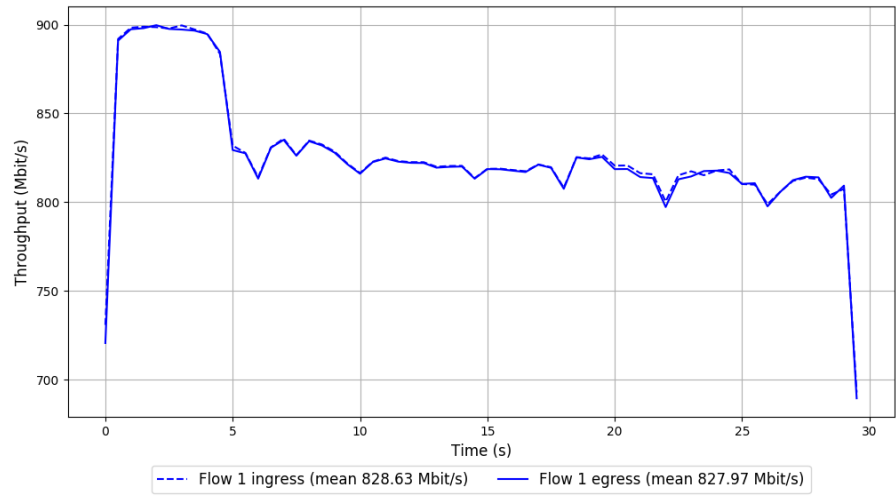
-- Flow 1:

Average throughput: 827.97 Mbit/s

95th percentile per-packet one-way delay: 28.137 ms

Loss rate: 0.09%

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



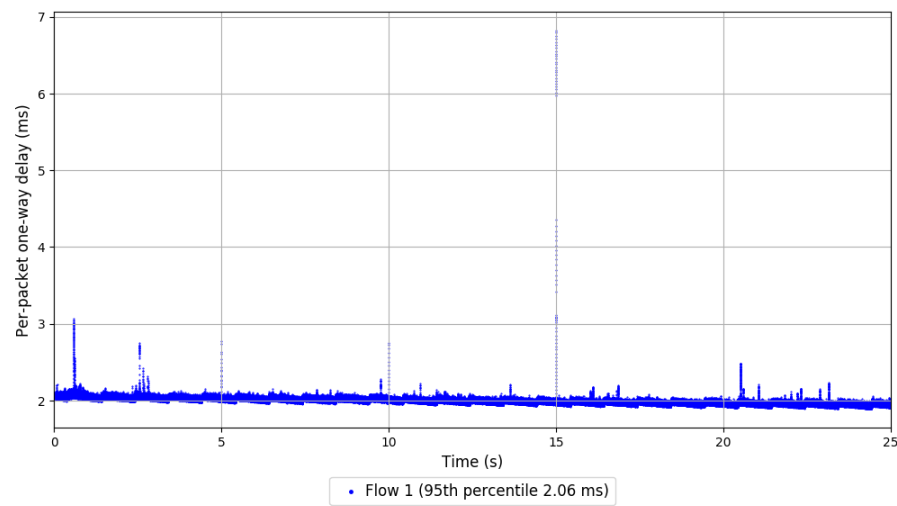
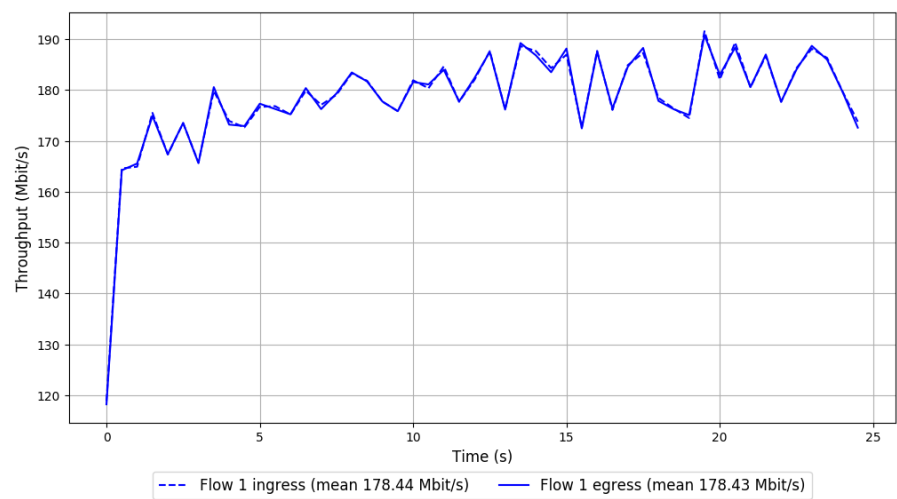
```
Run 1: Statistics of Indigo

Start at: 2017-09-17 21:36:55
End at: 2017-09-17 21:37:25
Local clock offset: -5.949 ms
Remote clock offset: 0.322 ms

# Below is generated by plot.py at 2017-09-18 05:22:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 178.43 Mbit/s
95th percentile per-packet one-way delay: 2.061 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 178.43 Mbit/s
95th percentile per-packet one-way delay: 2.061 ms
Loss rate: 0.02%
```



Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2017-09-17 21:56:37

End at: 2017-09-17 21:57:07

Local clock offset: -4.304 ms

Remote clock offset: 0.643 ms

# Below is generated by plot.py at 2017-09-18 05:22:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 180.46 Mbit/s

95th percentile per-packet one-way delay: 2.058 ms

Loss rate: 0.02%

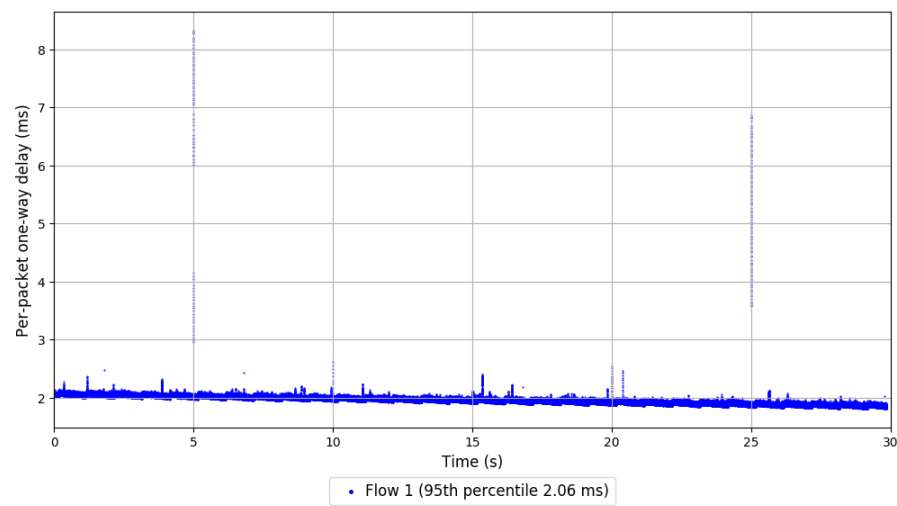
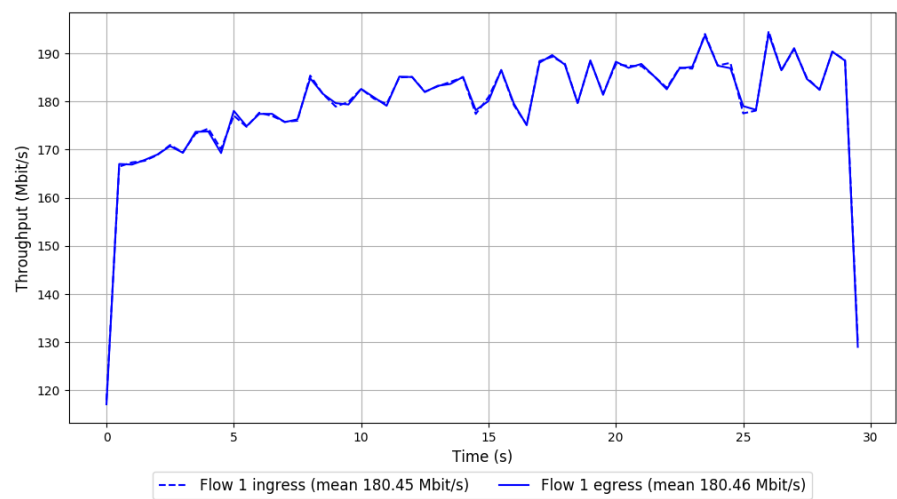
-- Flow 1:

Average throughput: 180.46 Mbit/s

95th percentile per-packet one-way delay: 2.058 ms

Loss rate: 0.02%

Run 2: Report of Indigo — Data Link



Run 3: Statistics of Indigo

Start at: 2017-09-17 22:16:27

End at: 2017-09-17 22:16:57

Local clock offset: -3.918 ms

Remote clock offset: 0.841 ms

# Below is generated by plot.py at 2017-09-18 05:22:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 179.46 Mbit/s

95th percentile per-packet one-way delay: 2.488 ms

Loss rate: 0.02%

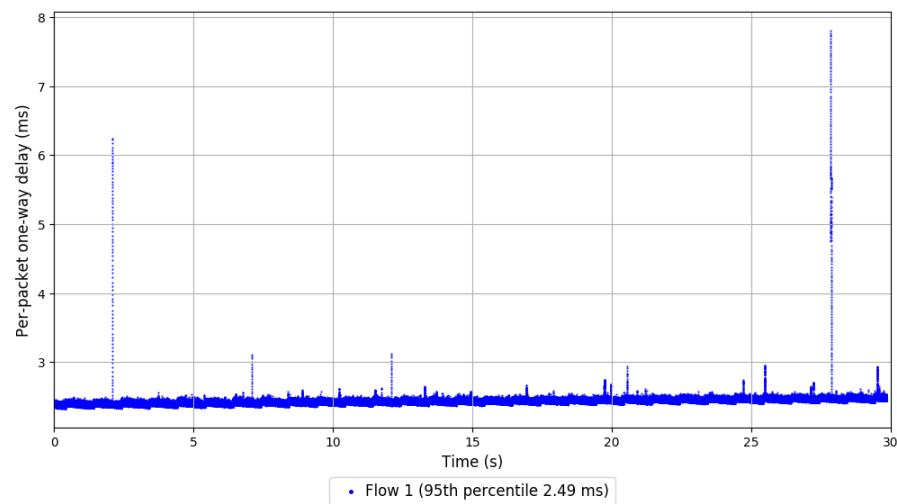
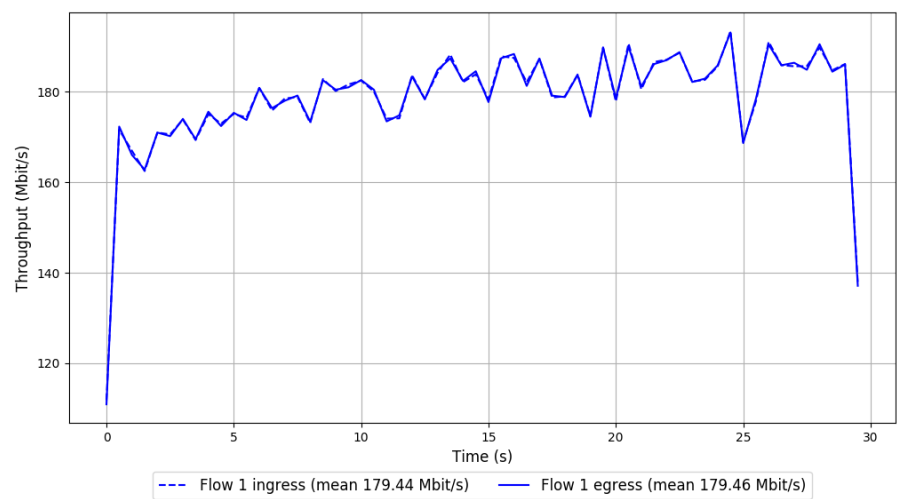
-- Flow 1:

Average throughput: 179.46 Mbit/s

95th percentile per-packet one-way delay: 2.488 ms

Loss rate: 0.02%

Run 3: Report of Indigo — Data Link



Run 4: Statistics of Indigo

Start at: 2017-09-17 22:36:13

End at: 2017-09-17 22:36:43

Local clock offset: -4.52 ms

Remote clock offset: 0.698 ms

# Below is generated by plot.py at 2017-09-18 05:22:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 180.40 Mbit/s

95th percentile per-packet one-way delay: 2.355 ms

Loss rate: 0.01%

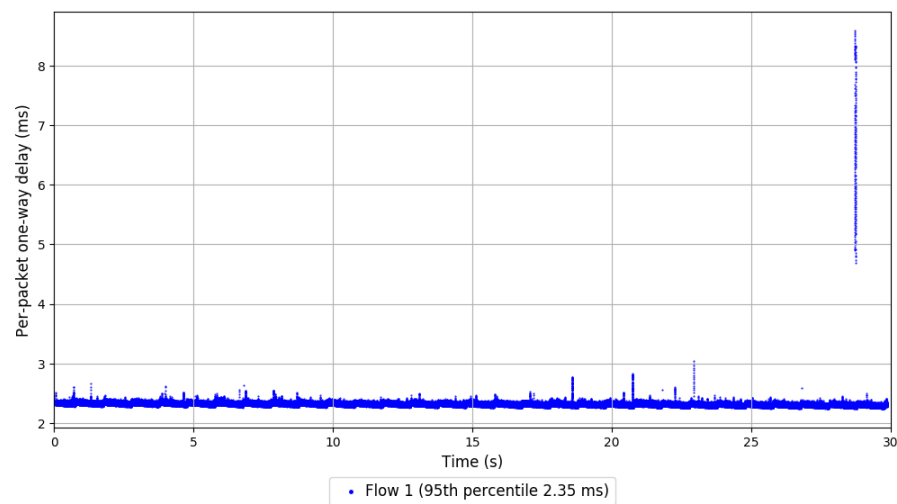
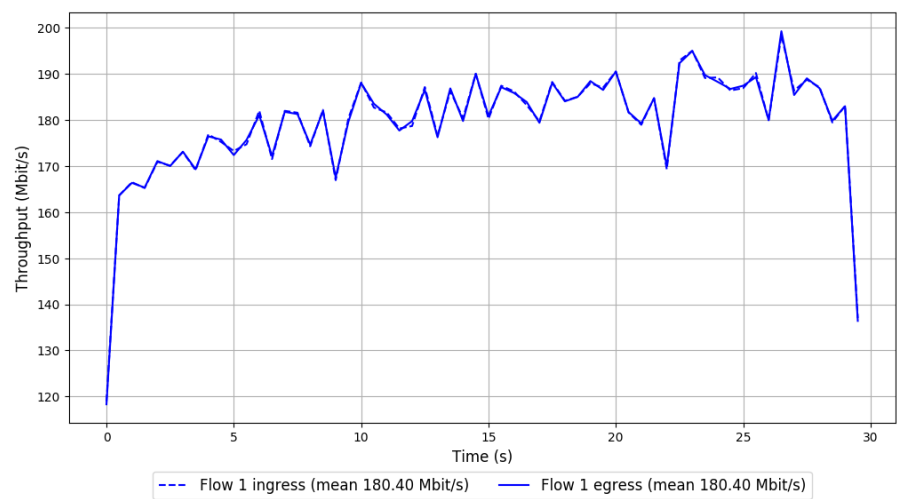
-- Flow 1:

Average throughput: 180.40 Mbit/s

95th percentile per-packet one-way delay: 2.355 ms

Loss rate: 0.01%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2017-09-17 22:56:01

End at: 2017-09-17 22:56:32

Local clock offset: -3.866 ms

Remote clock offset: 0.724 ms

# Below is generated by plot.py at 2017-09-18 05:22:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 180.04 Mbit/s

95th percentile per-packet one-way delay: 2.363 ms

Loss rate: 0.01%

-- Flow 1:

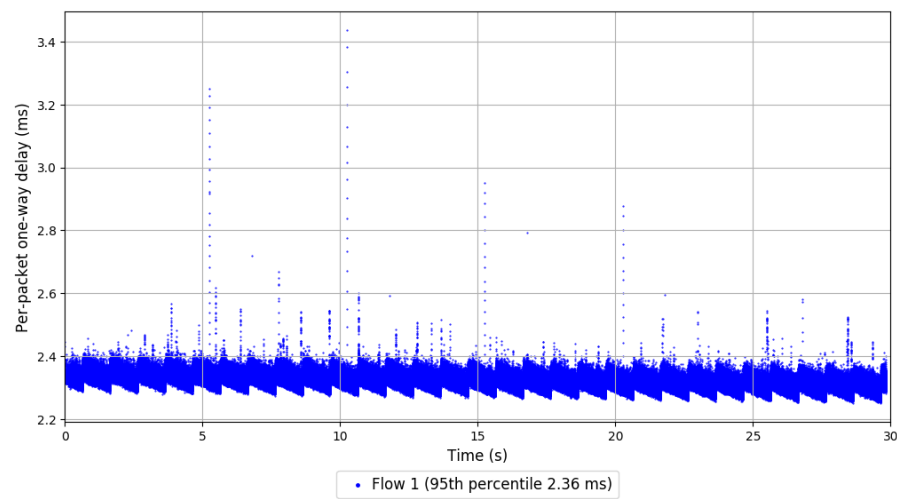
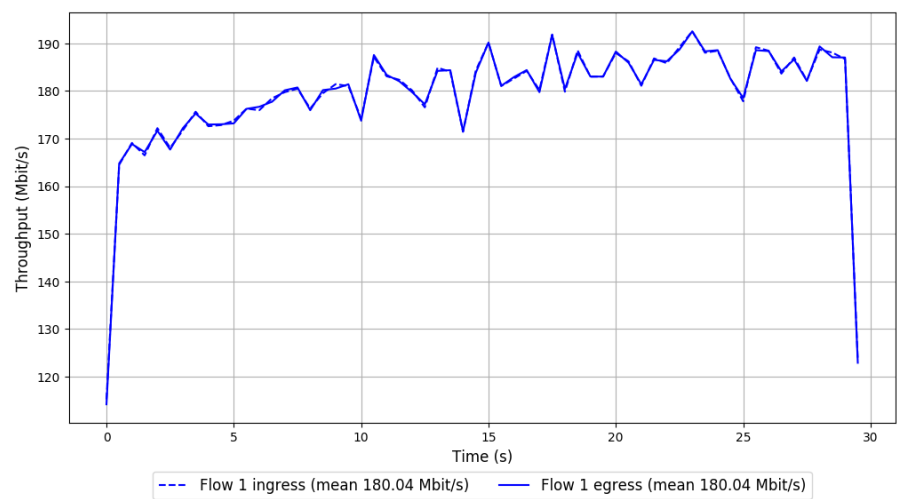
Average throughput: 180.04 Mbit/s

95th percentile per-packet one-way delay: 2.363 ms

Loss rate: 0.01%



Run 5: Report of Indigo — Data Link



Run 6: Statistics of Indigo

Start at: 2017-09-17 23:15:46

End at: 2017-09-17 23:16:16

Local clock offset: -4.256 ms

Remote clock offset: 0.582 ms

# Below is generated by plot.py at 2017-09-18 05:22:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 188.35 Mbit/s

95th percentile per-packet one-way delay: 2.360 ms

Loss rate: 0.02%

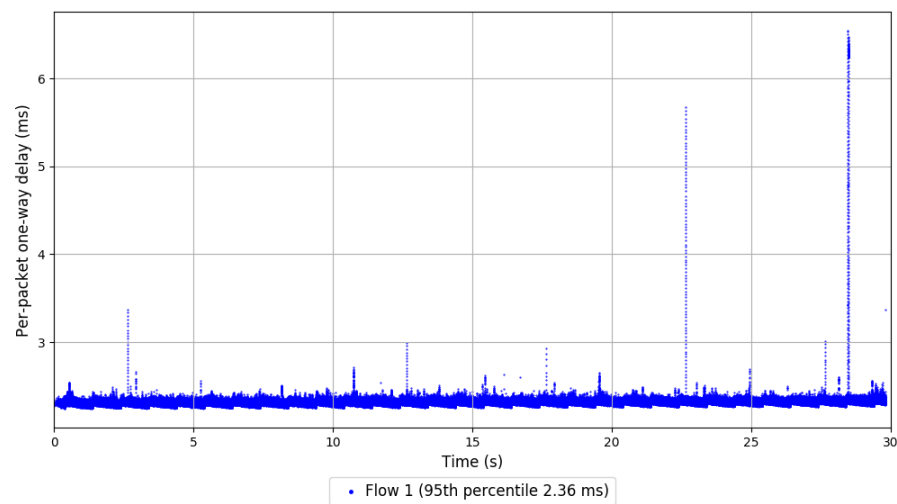
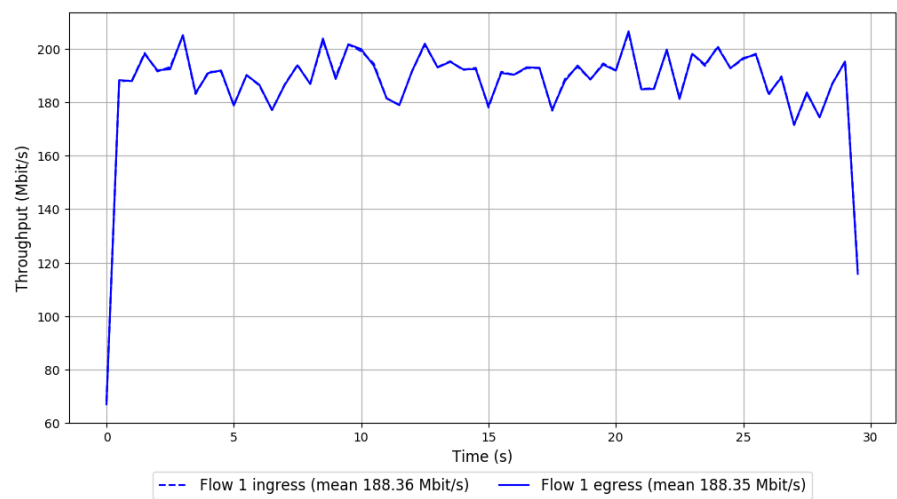
-- Flow 1:

Average throughput: 188.35 Mbit/s

95th percentile per-packet one-way delay: 2.360 ms

Loss rate: 0.02%

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2017-09-17 23:34:31

End at: 2017-09-17 23:35:01

Local clock offset: -5.483 ms

Remote clock offset: 0.484 ms

# Below is generated by plot.py at 2017-09-18 05:22:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 166.34 Mbit/s

95th percentile per-packet one-way delay: 2.370 ms

Loss rate: 0.01%

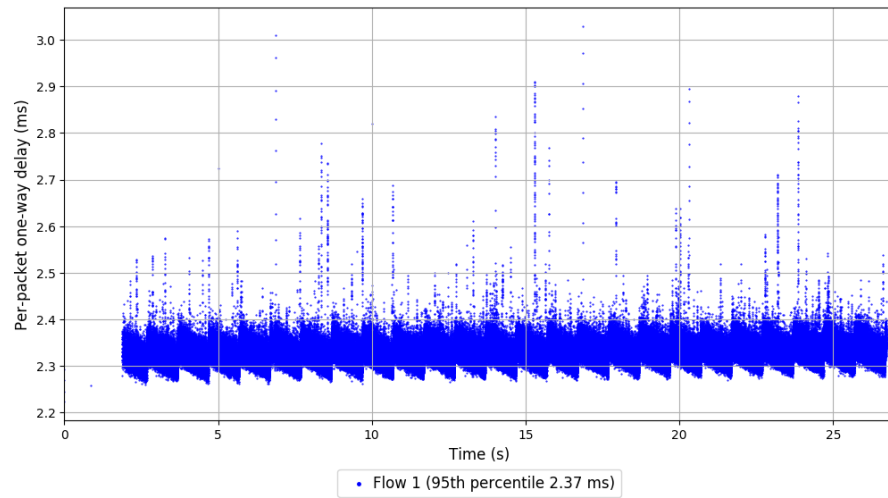
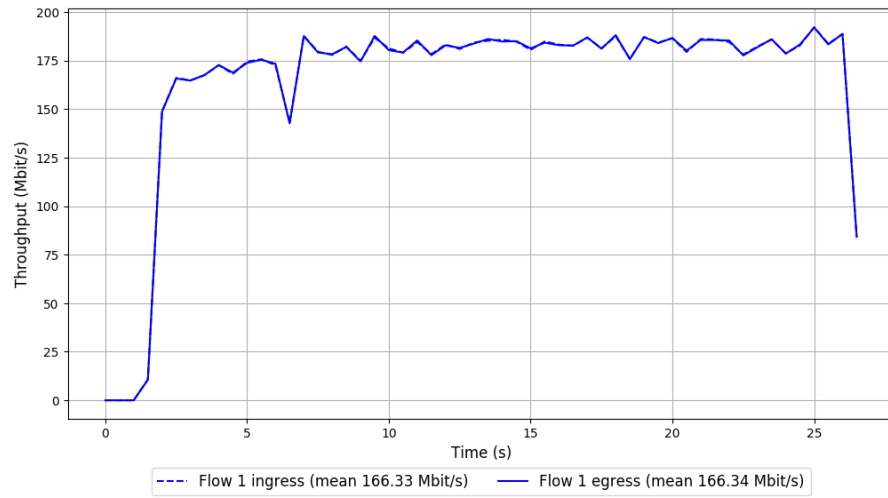
-- Flow 1:

Average throughput: 166.34 Mbit/s

95th percentile per-packet one-way delay: 2.370 ms

Loss rate: 0.01%

## Run 7: Report of Indigo — Data Link



Run 8: Statistics of Indigo

Start at: 2017-09-17 23:54:15

End at: 2017-09-17 23:54:45

Local clock offset: -5.721 ms

Remote clock offset: 0.315 ms

# Below is generated by plot.py at 2017-09-18 05:22:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 178.72 Mbit/s

95th percentile per-packet one-way delay: 2.339 ms

Loss rate: 0.02%

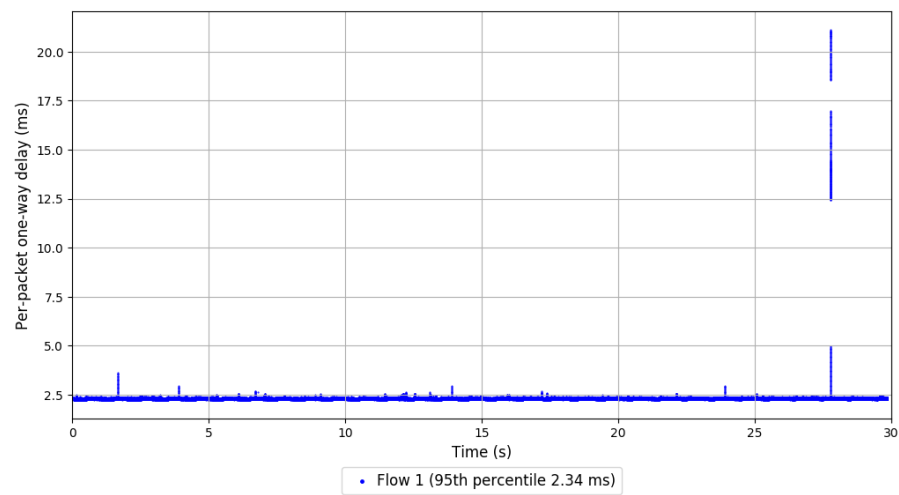
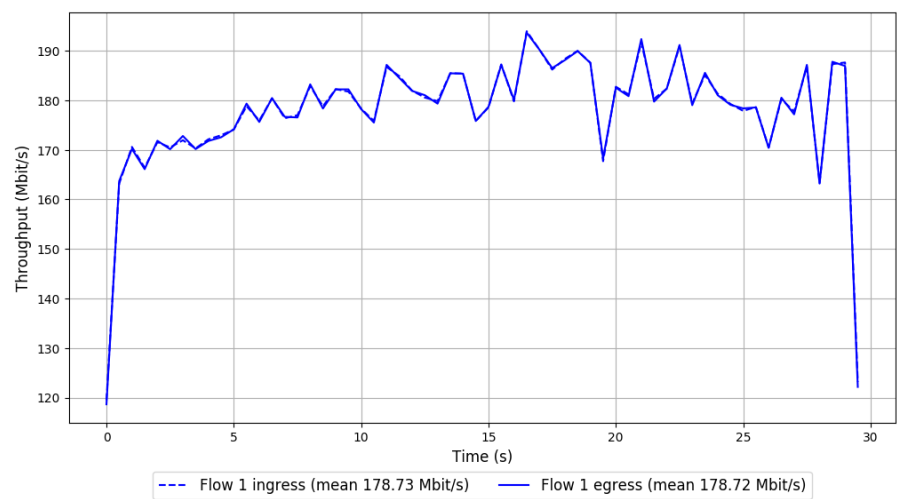
-- Flow 1:

Average throughput: 178.72 Mbit/s

95th percentile per-packet one-way delay: 2.339 ms

Loss rate: 0.02%

Run 8: Report of Indigo — Data Link



Run 9: Statistics of Indigo

Start at: 2017-09-18 00:14:02

End at: 2017-09-18 00:14:32

Local clock offset: -5.206 ms

Remote clock offset: 0.092 ms

# Below is generated by plot.py at 2017-09-18 05:22:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 179.88 Mbit/s

95th percentile per-packet one-way delay: 2.386 ms

Loss rate: 0.02%

-- Flow 1:

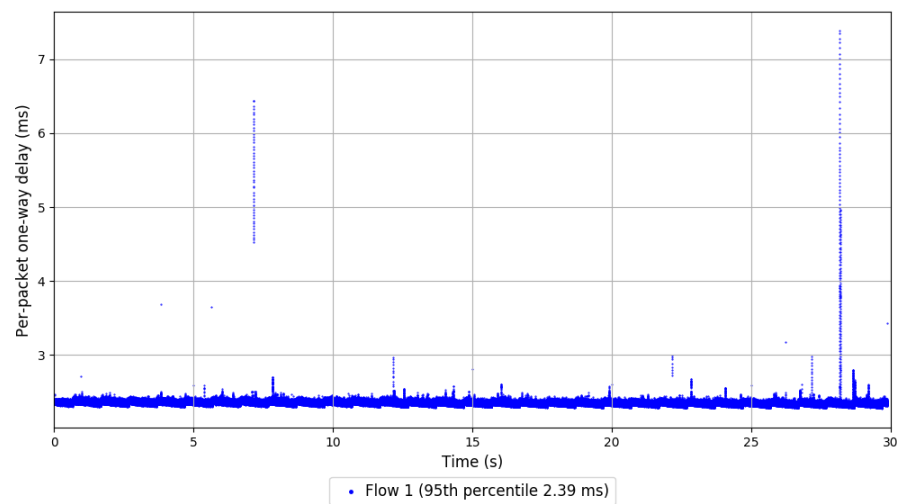
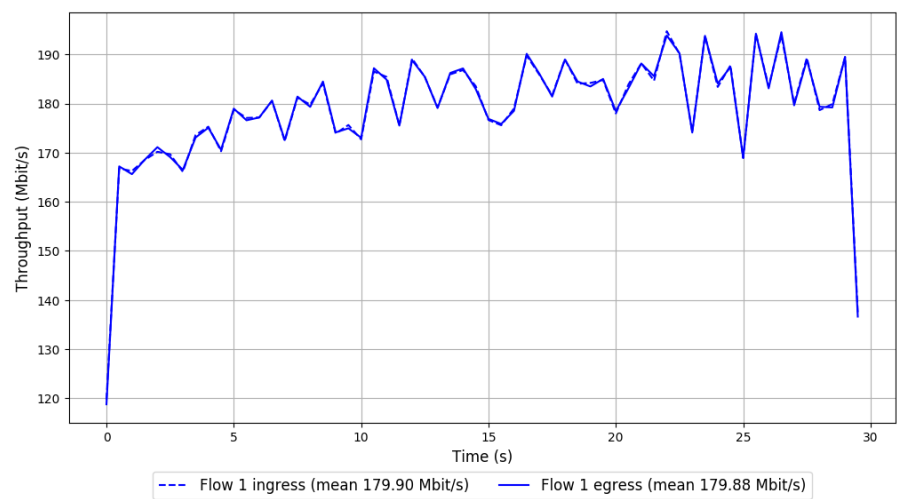
Average throughput: 179.88 Mbit/s

95th percentile per-packet one-way delay: 2.386 ms

Loss rate: 0.02%



Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-09-18 00:33:36

End at: 2017-09-18 00:34:06

Local clock offset: -4.824 ms

Remote clock offset: 0.104 ms

# Below is generated by plot.py at 2017-09-18 05:22:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 180.58 Mbit/s

95th percentile per-packet one-way delay: 2.246 ms

Loss rate: 0.01%

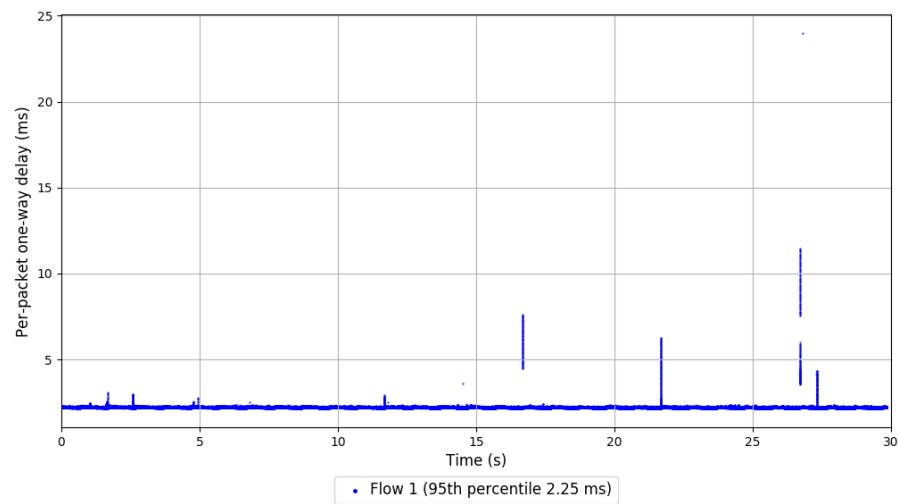
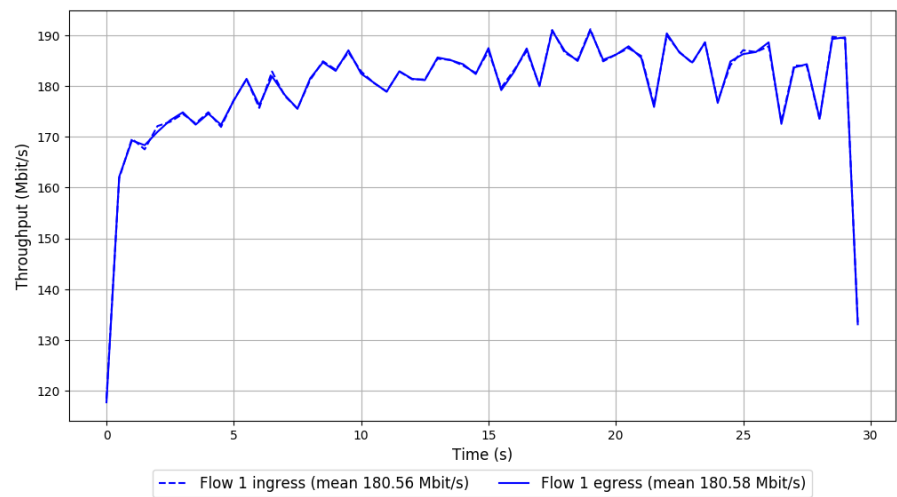
-- Flow 1:

Average throughput: 180.58 Mbit/s

95th percentile per-packet one-way delay: 2.246 ms

Loss rate: 0.01%

Run 10: Report of Indigo — Data Link

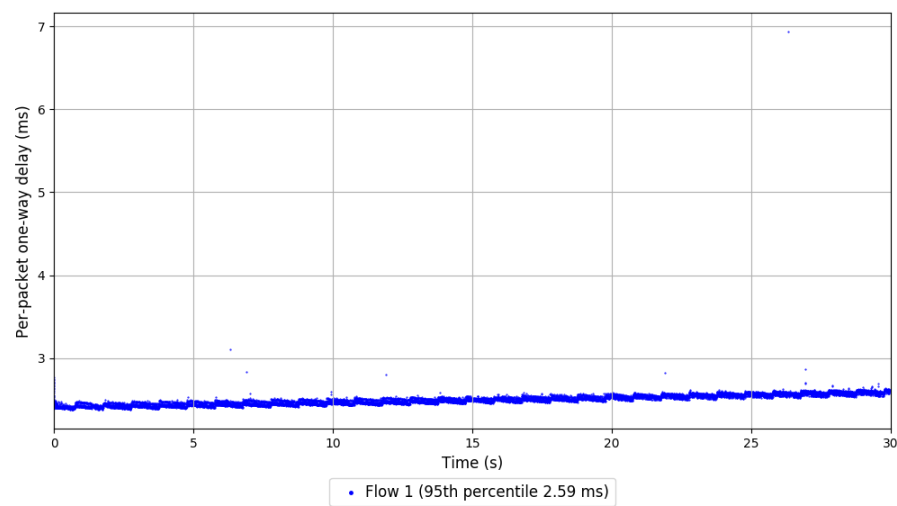
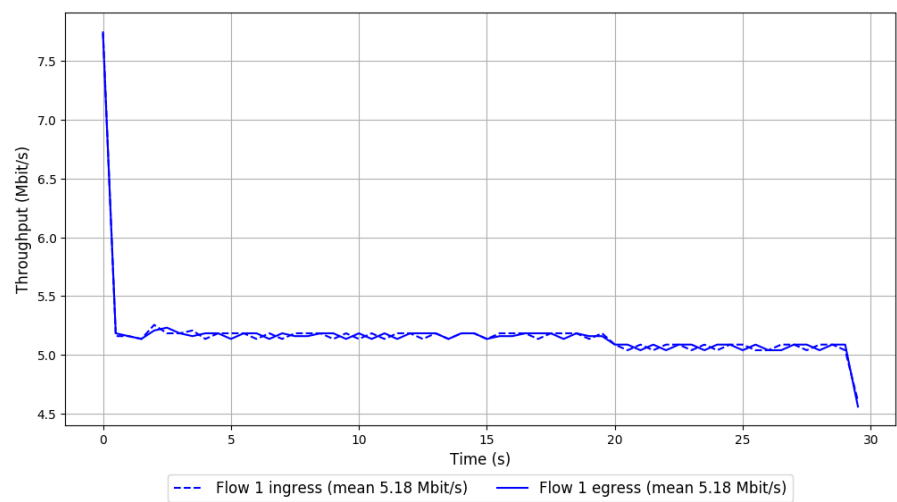


Run 1: Statistics of KohoCC

Start at: 2017-09-17 21:22:41  
End at: 2017-09-17 21:23:11  
Local clock offset: -14.028 ms  
Remote clock offset: 0.144 ms

# Below is generated by plot.py at 2017-09-18 05:22:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 5.18 Mbit/s  
95th percentile per-packet one-way delay: 2.588 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 5.18 Mbit/s  
95th percentile per-packet one-way delay: 2.588 ms  
Loss rate: 0.02%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: 2017-09-17 21:42:30

End at: 2017-09-17 21:43:00

Local clock offset: -5.895 ms

Remote clock offset: 0.443 ms

# Below is generated by plot.py at 2017-09-18 05:22:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.16 Mbit/s

95th percentile per-packet one-way delay: 2.517 ms

Loss rate: 0.02%

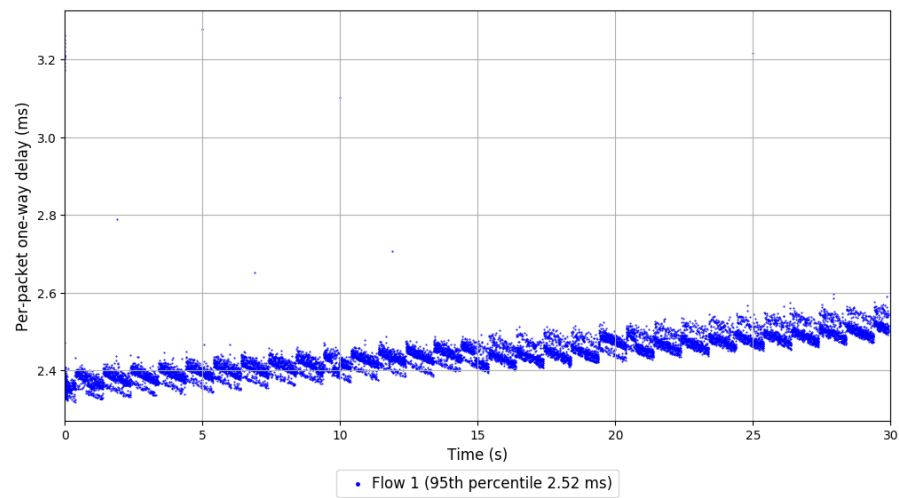
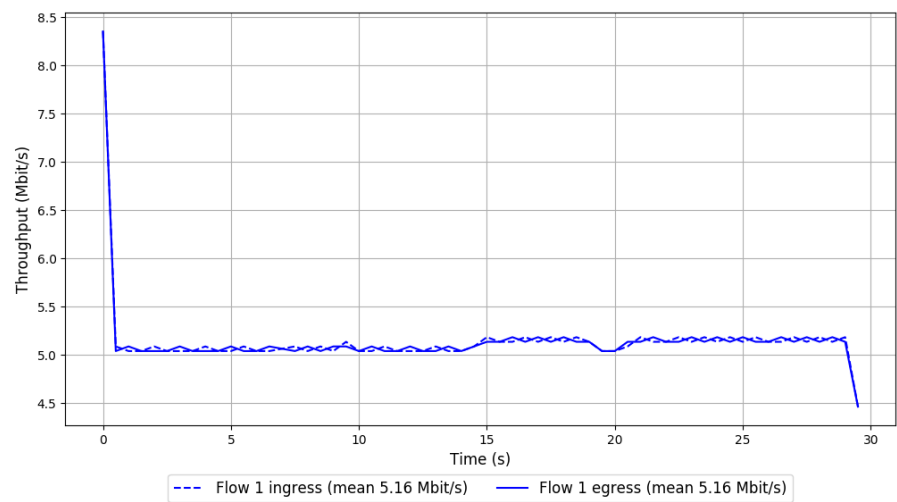
-- Flow 1:

Average throughput: 5.16 Mbit/s

95th percentile per-packet one-way delay: 2.517 ms

Loss rate: 0.02%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: 2017-09-17 22:02:09

End at: 2017-09-17 22:02:39

Local clock offset: -3.129 ms

Remote clock offset: 0.72 ms

# Below is generated by plot.py at 2017-09-18 05:22:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 261.56 Mbit/s

95th percentile per-packet one-way delay: 2.453 ms

Loss rate: 0.02%

-- Flow 1:

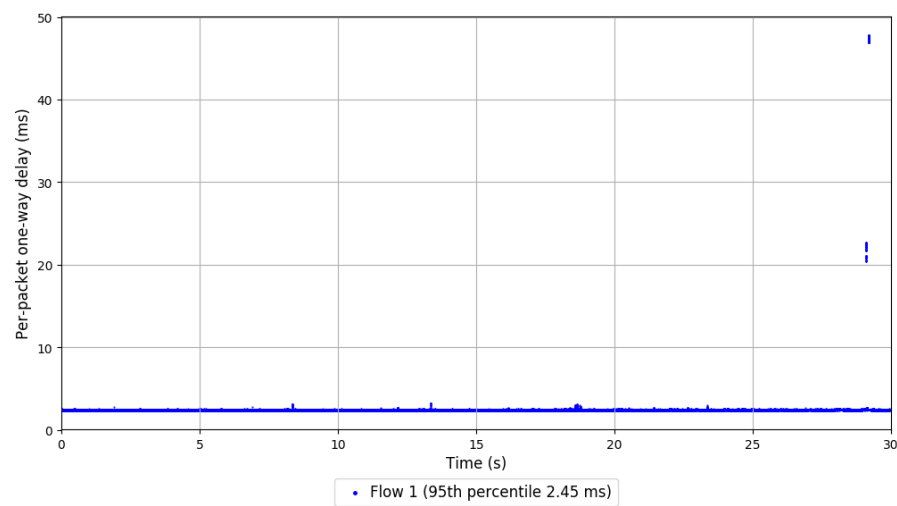
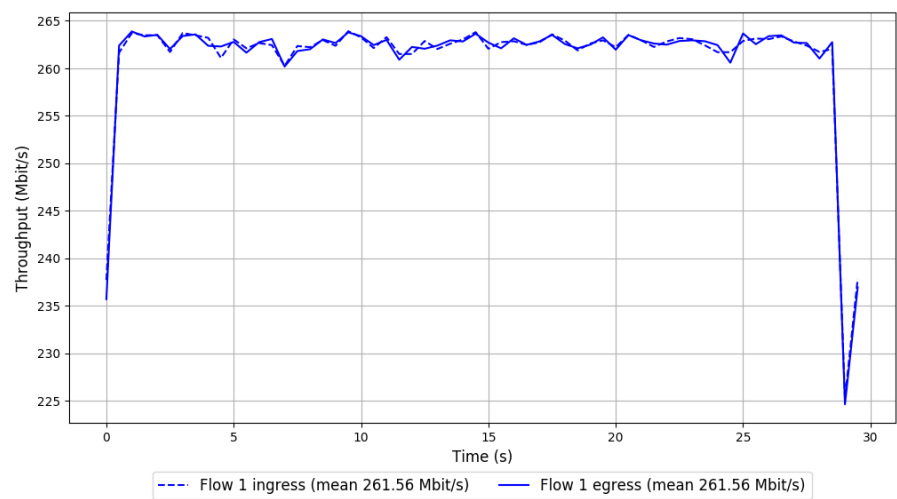
Average throughput: 261.56 Mbit/s

95th percentile per-packet one-way delay: 2.453 ms

Loss rate: 0.02%



Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: 2017-09-17 22:21:57

End at: 2017-09-17 22:22:27

Local clock offset: -4.518 ms

Remote clock offset: 0.85 ms

# Below is generated by plot.py at 2017-09-18 05:22:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.17 Mbit/s

95th percentile per-packet one-way delay: 2.333 ms

Loss rate: 0.02%

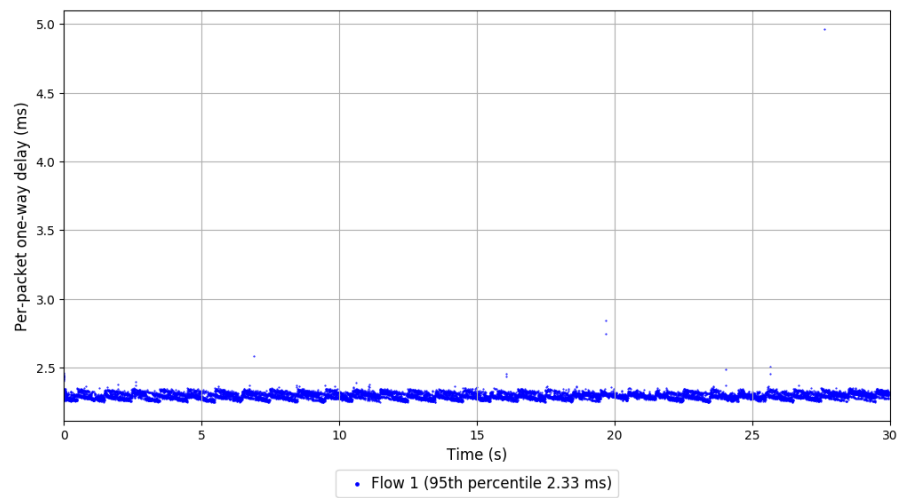
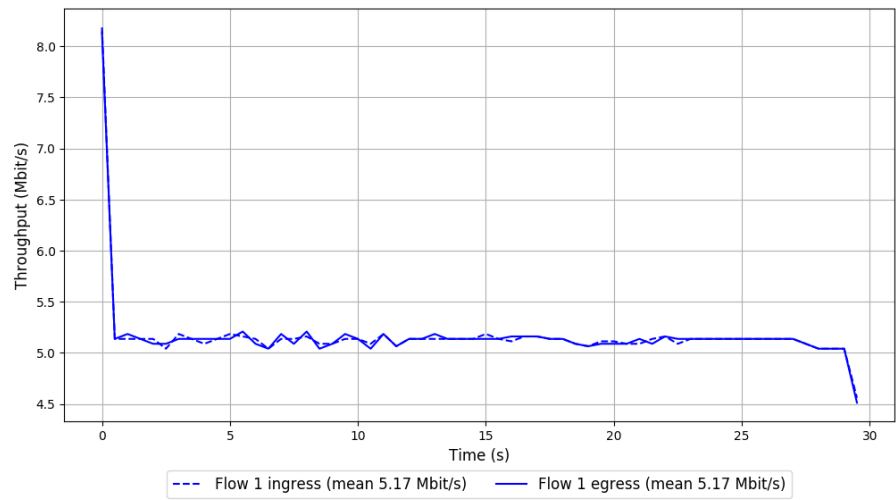
-- Flow 1:

Average throughput: 5.17 Mbit/s

95th percentile per-packet one-way delay: 2.333 ms

Loss rate: 0.02%

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



Run 5: Statistics of KohoCC

Start at: 2017-09-17 22:41:49

End at: 2017-09-17 22:42:19

Local clock offset: -3.781 ms

Remote clock offset: 0.712 ms

# Below is generated by plot.py at 2017-09-18 05:22:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.16 Mbit/s

95th percentile per-packet one-way delay: 2.314 ms

Loss rate: 0.02%

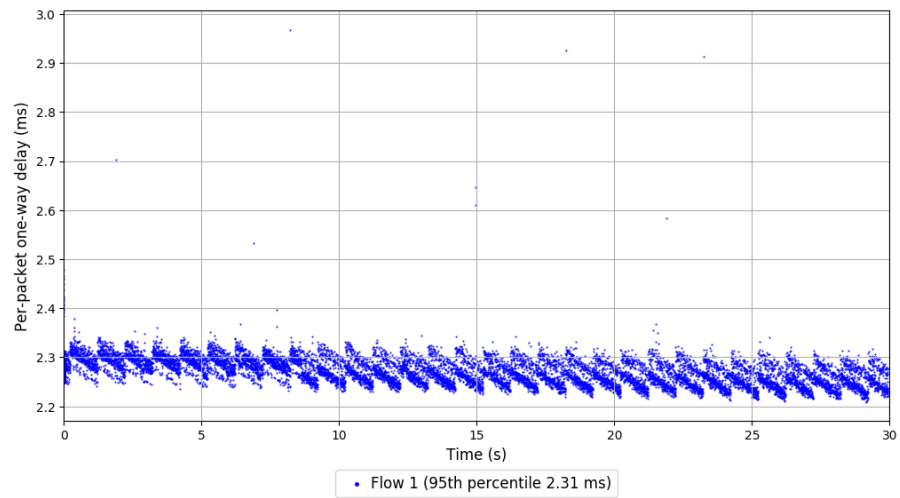
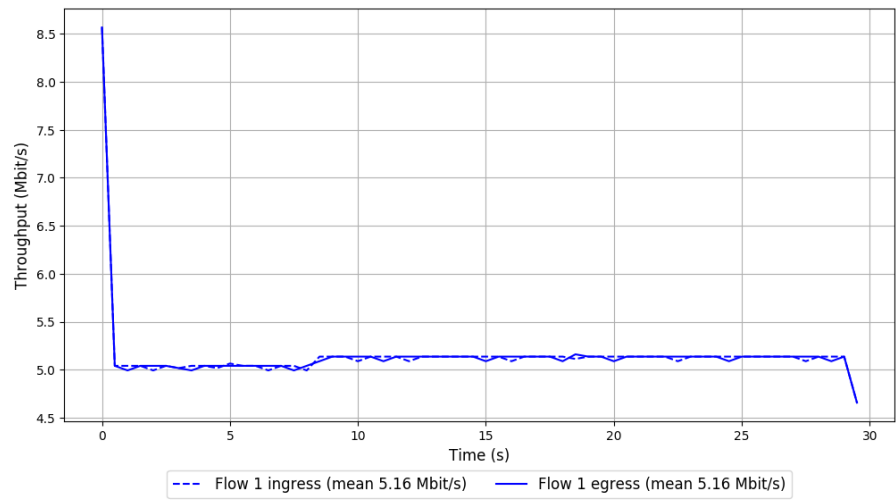
-- Flow 1:

Average throughput: 5.16 Mbit/s

95th percentile per-packet one-way delay: 2.314 ms

Loss rate: 0.02%

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



Run 6: Statistics of KohoCC

Start at: 2017-09-17 23:01:34

End at: 2017-09-17 23:02:04

Local clock offset: -3.737 ms

Remote clock offset: 0.72 ms

# Below is generated by plot.py at 2017-09-18 05:22:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.19 Mbit/s

95th percentile per-packet one-way delay: 2.422 ms

Loss rate: 0.02%

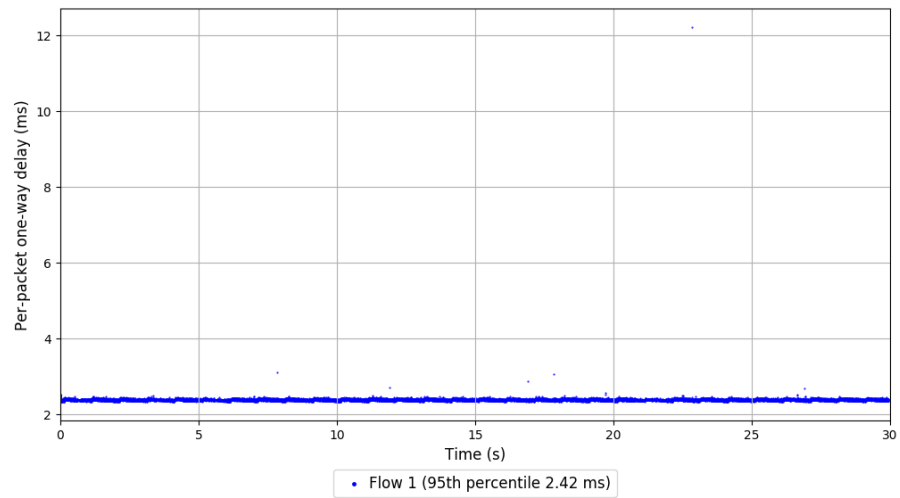
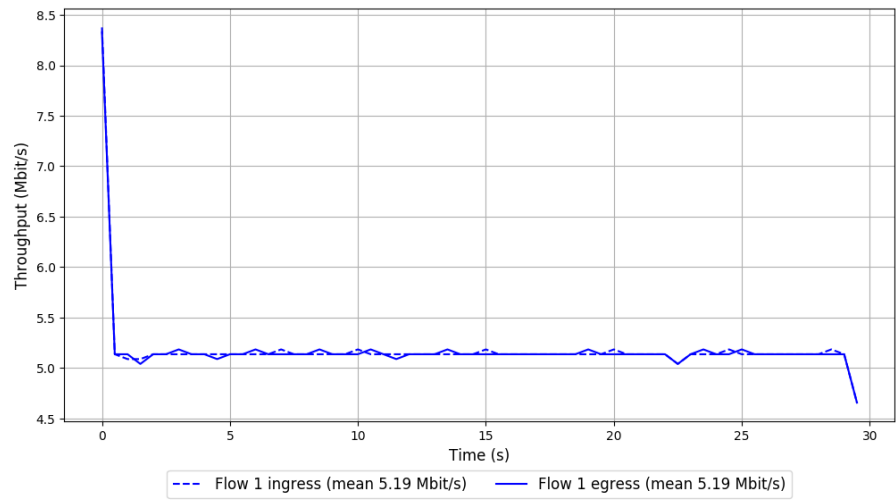
-- Flow 1:

Average throughput: 5.19 Mbit/s

95th percentile per-packet one-way delay: 2.422 ms

Loss rate: 0.02%

## Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: 2017-09-17 23:21:06

End at: 2017-09-17 23:21:36

Local clock offset: -4.651 ms

Remote clock offset: 0.533 ms

# Below is generated by plot.py at 2017-09-18 05:22:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.22 Mbit/s

95th percentile per-packet one-way delay: 2.324 ms

Loss rate: 0.01%

-- Flow 1:

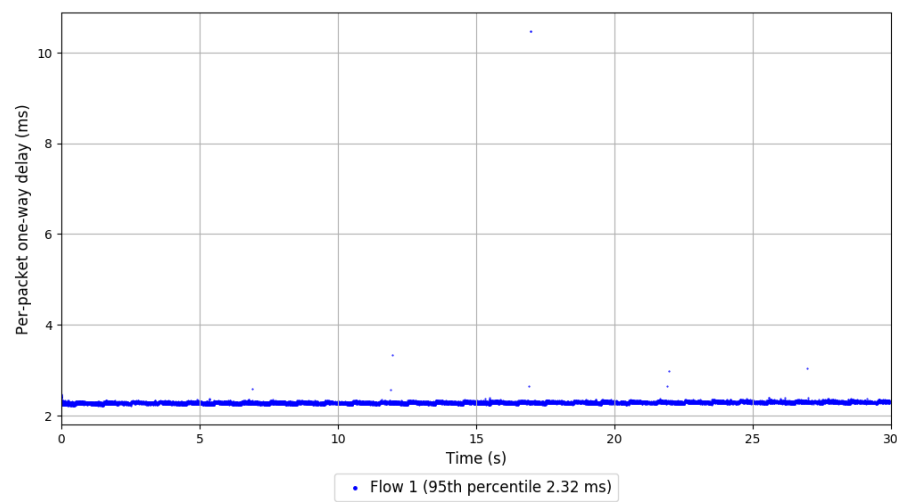
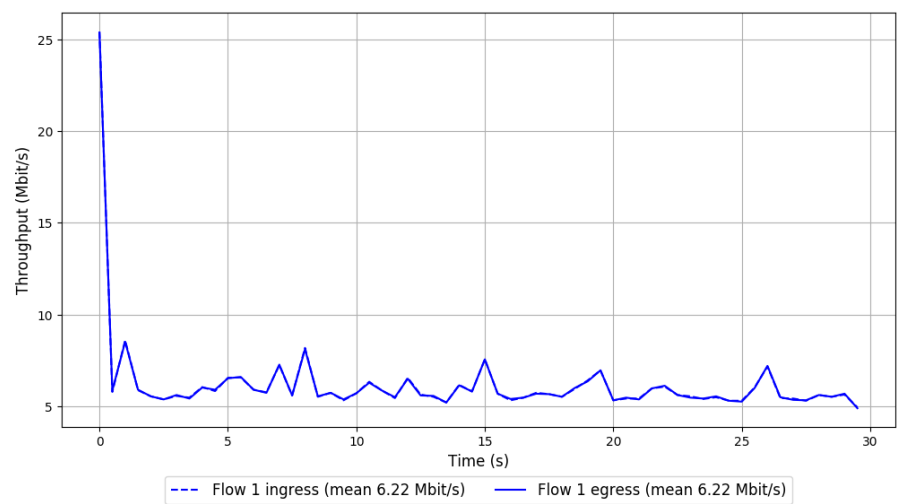
Average throughput: 6.22 Mbit/s

95th percentile per-packet one-way delay: 2.324 ms

Loss rate: 0.01%



Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: 2017-09-17 23:39:47

End at: 2017-09-17 23:40:17

Local clock offset: -5.605 ms

Remote clock offset: 0.448 ms

# Below is generated by plot.py at 2017-09-18 05:22:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 261.39 Mbit/s

95th percentile per-packet one-way delay: 2.240 ms

Loss rate: 0.02%

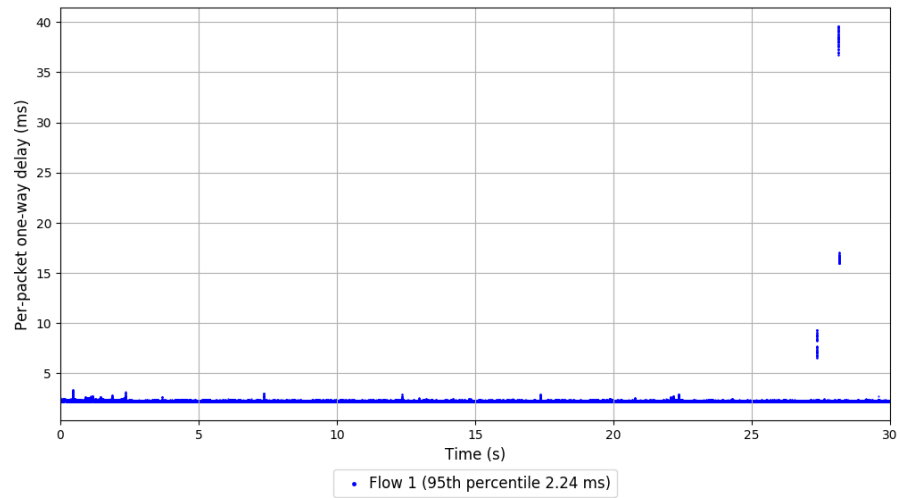
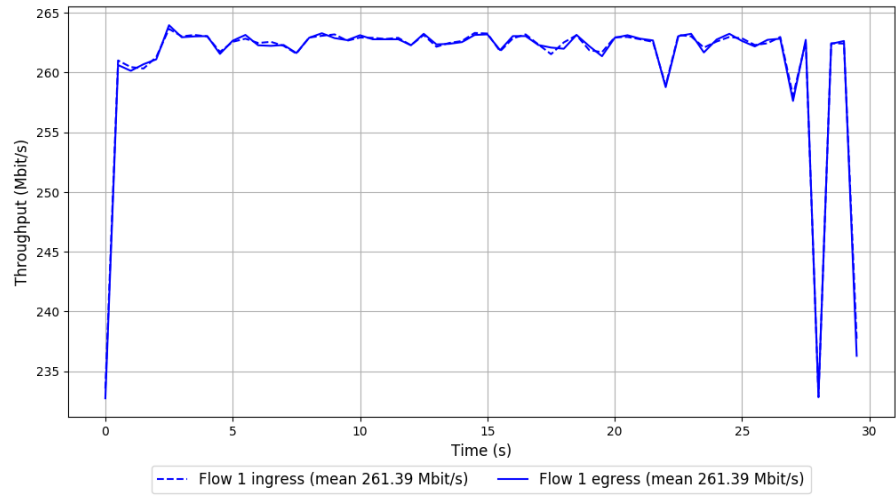
-- Flow 1:

Average throughput: 261.39 Mbit/s

95th percentile per-packet one-way delay: 2.240 ms

Loss rate: 0.02%

## Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: 2017-09-17 23:59:46

End at: 2017-09-18 00:00:16

Local clock offset: -5.96 ms

Remote clock offset: 0.195 ms

# Below is generated by plot.py at 2017-09-18 05:22:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.33 Mbit/s

95th percentile per-packet one-way delay: 2.453 ms

Loss rate: 0.02%

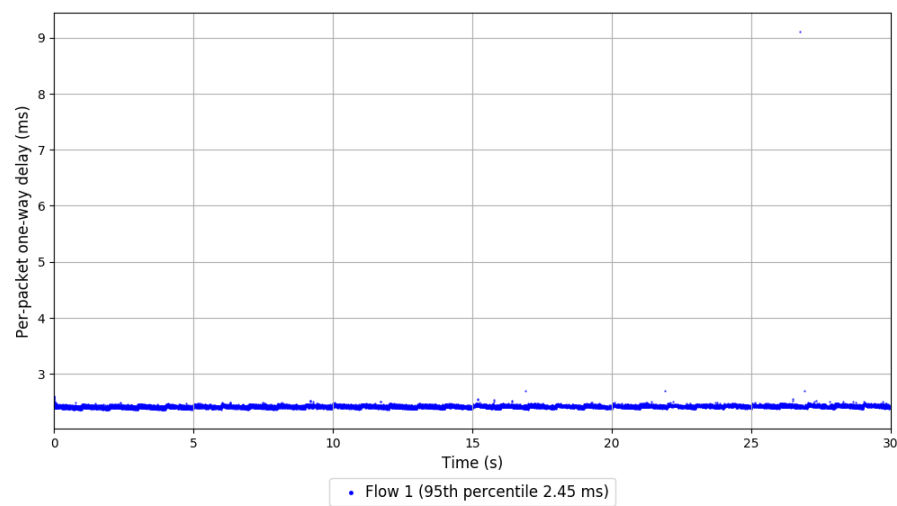
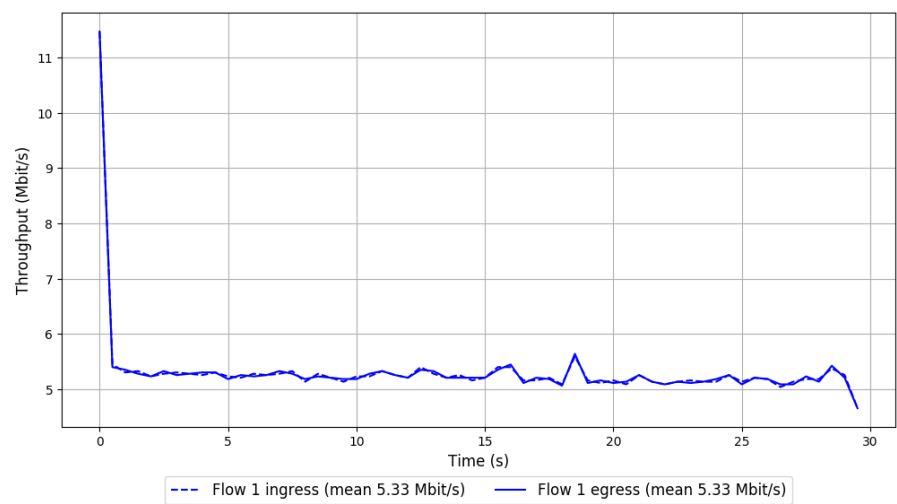
-- Flow 1:

Average throughput: 5.33 Mbit/s

95th percentile per-packet one-way delay: 2.453 ms

Loss rate: 0.02%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: 2017-09-18 00:19:29

End at: 2017-09-18 00:19:59

Local clock offset: -5.051 ms

Remote clock offset: 0.129 ms

# Below is generated by plot.py at 2017-09-18 05:22:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.23 Mbit/s

95th percentile per-packet one-way delay: 2.360 ms

Loss rate: 0.01%

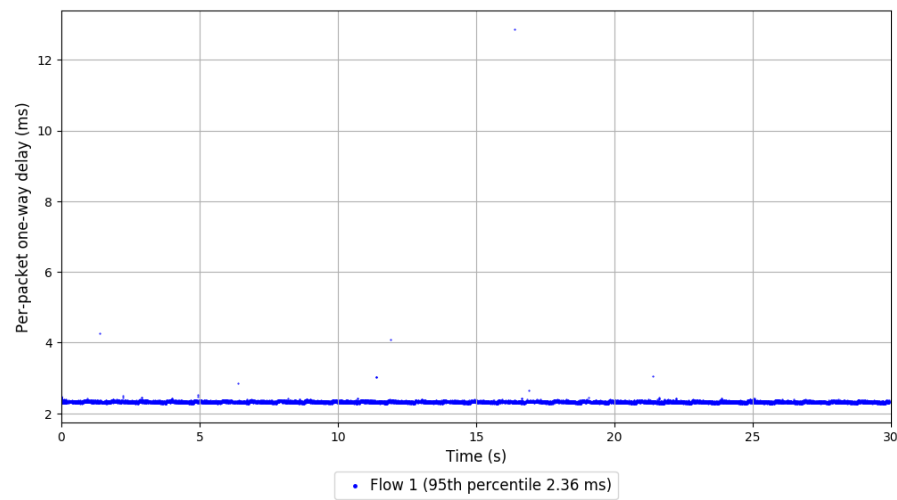
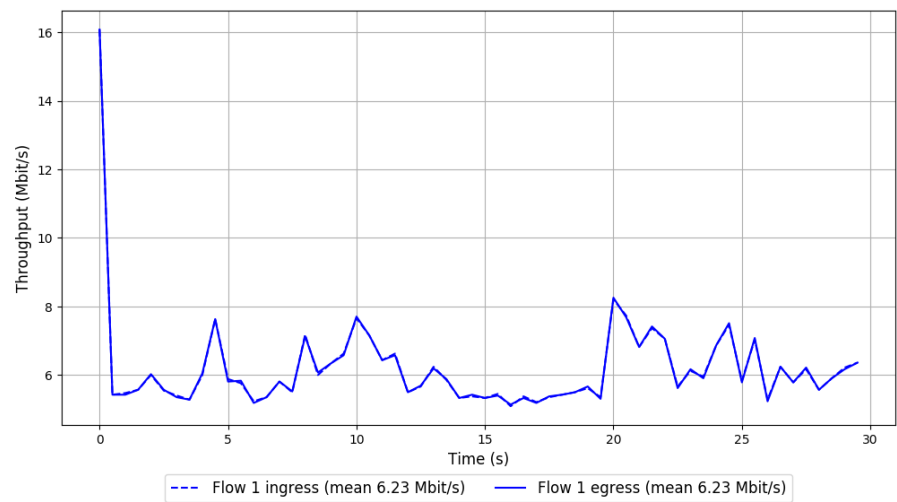
-- Flow 1:

Average throughput: 6.23 Mbit/s

95th percentile per-packet one-way delay: 2.360 ms

Loss rate: 0.01%

Run 10: Report of KohoCC — Data Link



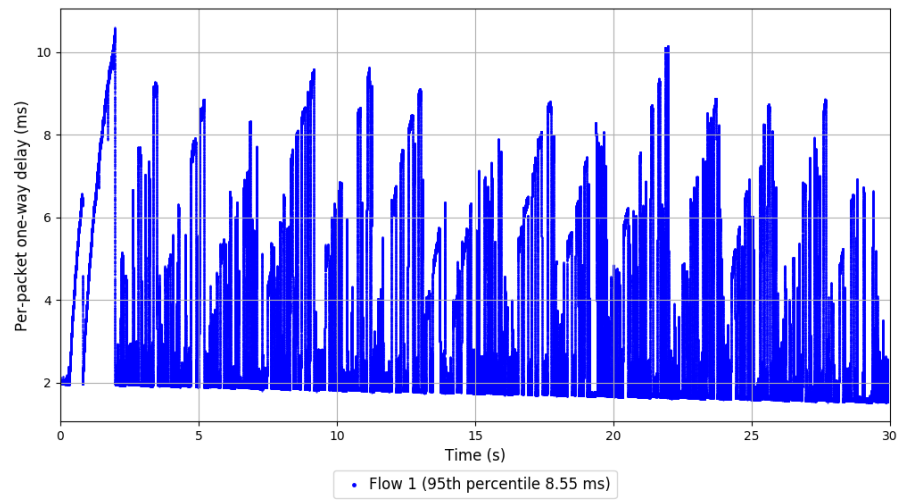
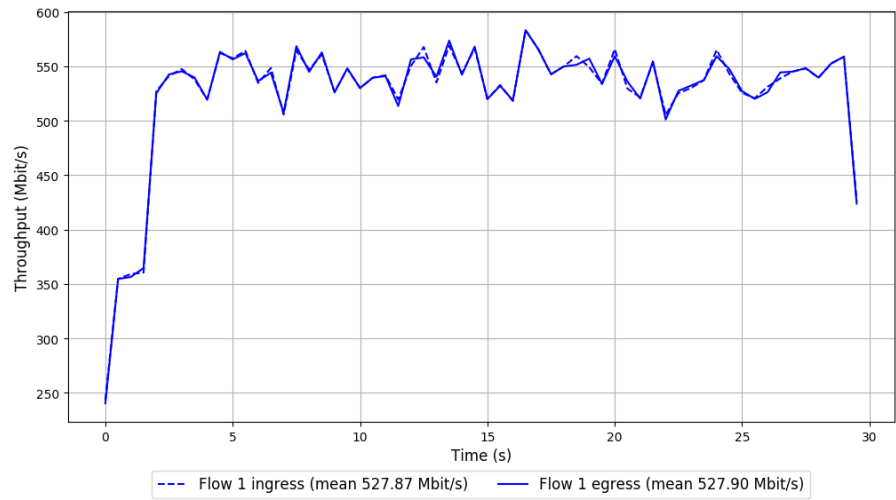
```
Run 1: Statistics of LEDBAT

Start at: 2017-09-17 21:30:38
End at: 2017-09-17 21:31:08
Local clock offset: -9.029 ms
Remote clock offset: 0.233 ms

# Below is generated by plot.py at 2017-09-18 05:25:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 527.90 Mbit/s
95th percentile per-packet one-way delay: 8.546 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 527.90 Mbit/s
95th percentile per-packet one-way delay: 8.546 ms
Loss rate: 0.01%
```



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

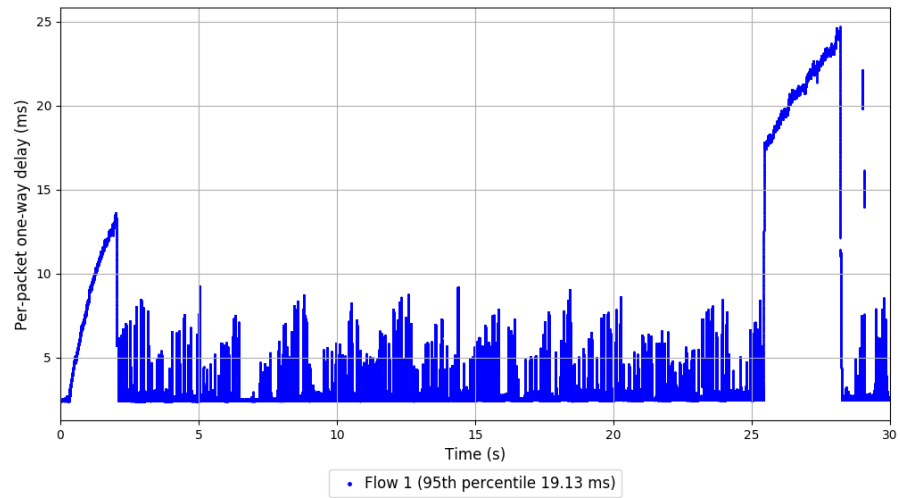
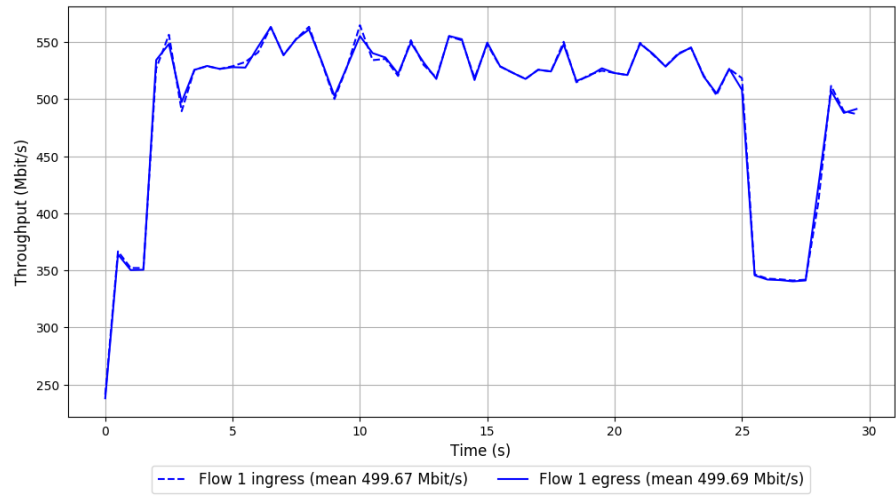


```
Run 2: Statistics of LEDBAT

Start at: 2017-09-17 21:50:22
End at: 2017-09-17 21:50:52
Local clock offset: -5.035 ms
Remote clock offset: 0.505 ms

# Below is generated by plot.py at 2017-09-18 05:25:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 499.69 Mbit/s
95th percentile per-packet one-way delay: 19.128 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 499.69 Mbit/s
95th percentile per-packet one-way delay: 19.128 ms
Loss rate: 0.01%
```

## Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: 2017-09-17 22:10:08

End at: 2017-09-17 22:10:38

Local clock offset: -3.039 ms

Remote clock offset: 0.839 ms

# Below is generated by plot.py at 2017-09-18 05:26:44

# Datalink statistics

-- Total of 1 flow:

Average throughput: 538.90 Mbit/s

95th percentile per-packet one-way delay: 9.520 ms

Loss rate: 0.02%

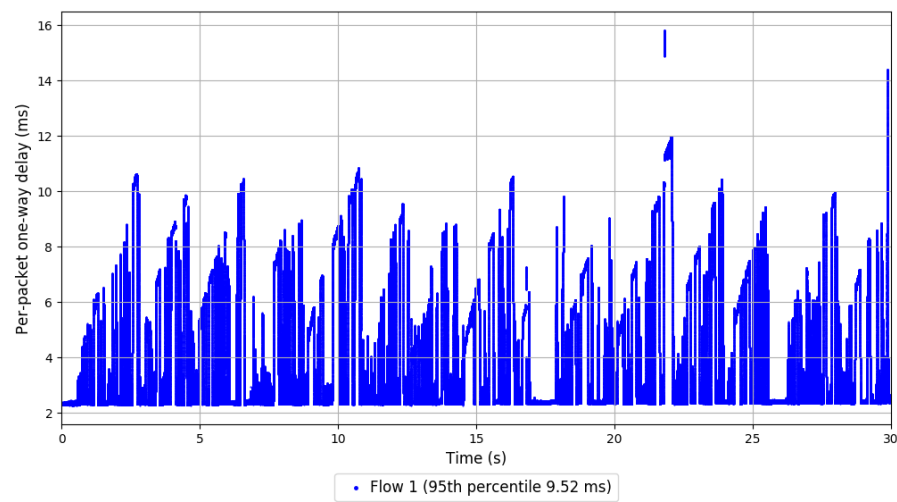
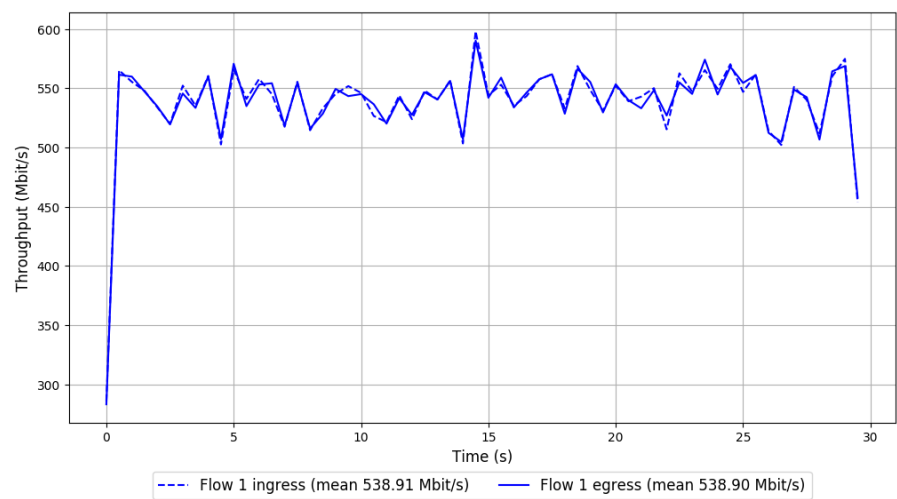
-- Flow 1:

Average throughput: 538.90 Mbit/s

95th percentile per-packet one-way delay: 9.520 ms

Loss rate: 0.02%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: 2017-09-17 22:29:56

End at: 2017-09-17 22:30:26

Local clock offset: -4.953 ms

Remote clock offset: 0.795 ms

# Below is generated by plot.py at 2017-09-18 05:27:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 556.41 Mbit/s

95th percentile per-packet one-way delay: 8.653 ms

Loss rate: 0.03%

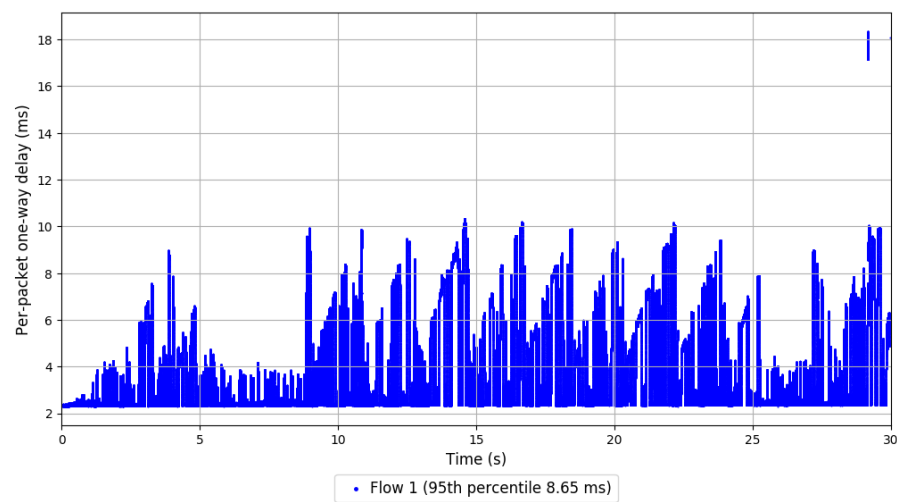
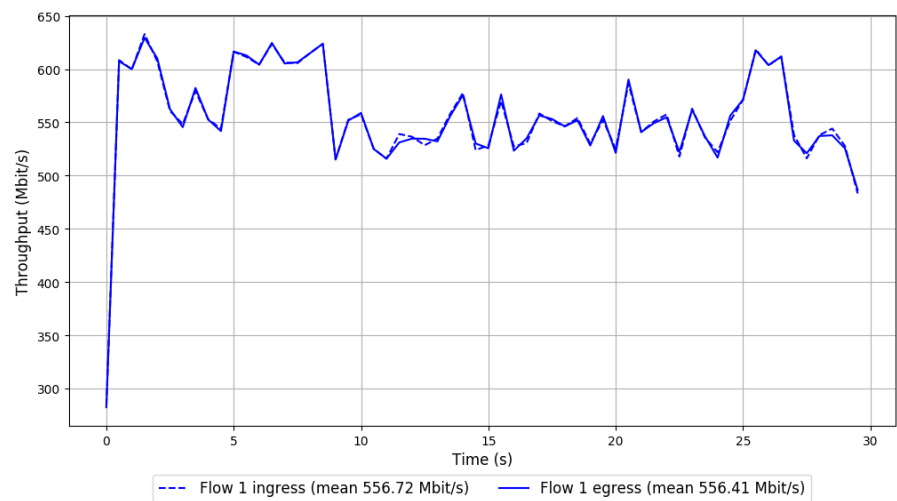
-- Flow 1:

Average throughput: 556.41 Mbit/s

95th percentile per-packet one-way delay: 8.653 ms

Loss rate: 0.03%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: 2017-09-17 22:49:43

End at: 2017-09-17 22:50:13

Local clock offset: -3.682 ms

Remote clock offset: 0.689 ms

# Below is generated by plot.py at 2017-09-18 05:28:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 532.26 Mbit/s

95th percentile per-packet one-way delay: 8.039 ms

Loss rate: 0.02%

-- Flow 1:

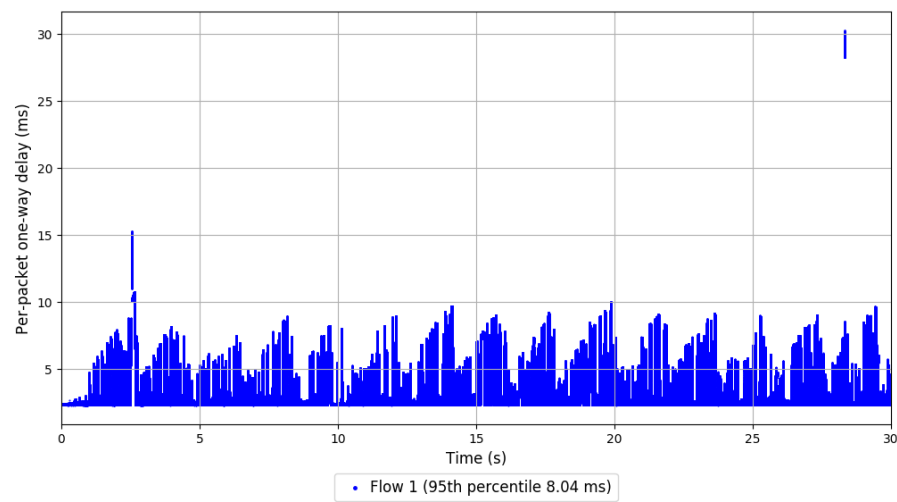
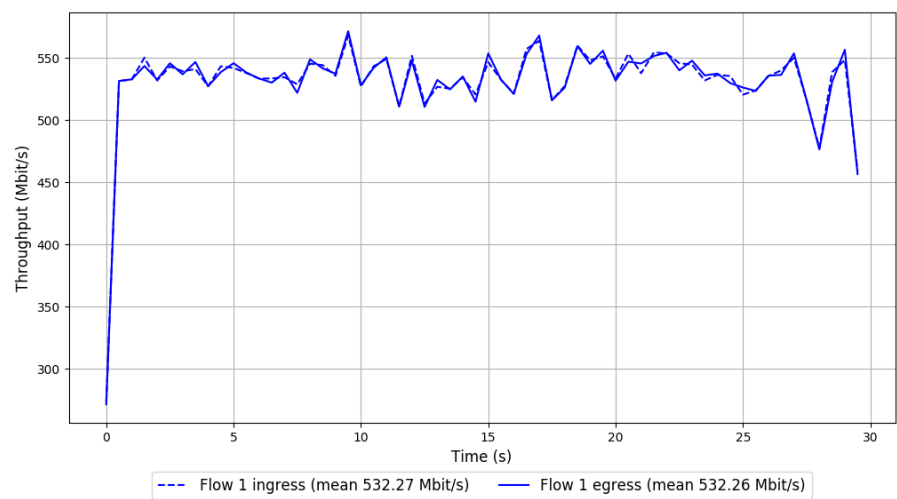
Average throughput: 532.26 Mbit/s

95th percentile per-packet one-way delay: 8.039 ms

Loss rate: 0.02%



Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: 2017-09-17 23:09:29

End at: 2017-09-17 23:09:59

Local clock offset: -3.897 ms

Remote clock offset: 0.698 ms

# Below is generated by plot.py at 2017-09-18 05:28:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 511.39 Mbit/s

95th percentile per-packet one-way delay: 7.663 ms

Loss rate: 0.02%

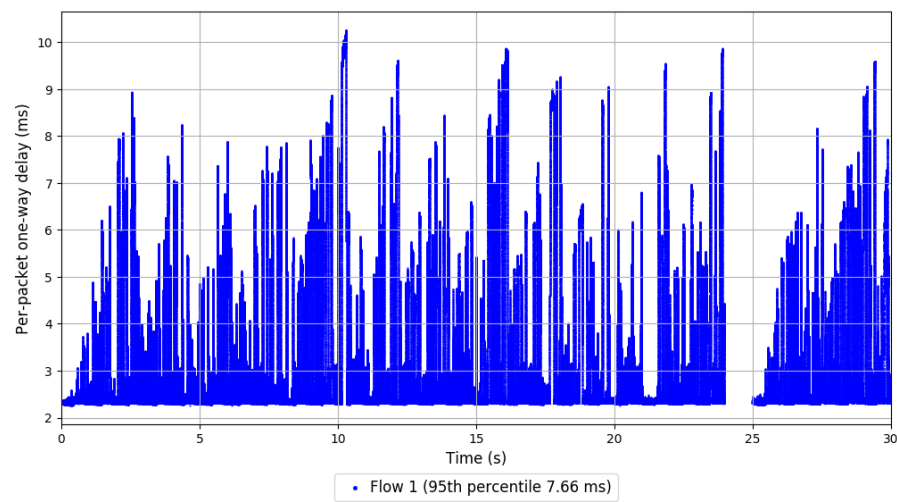
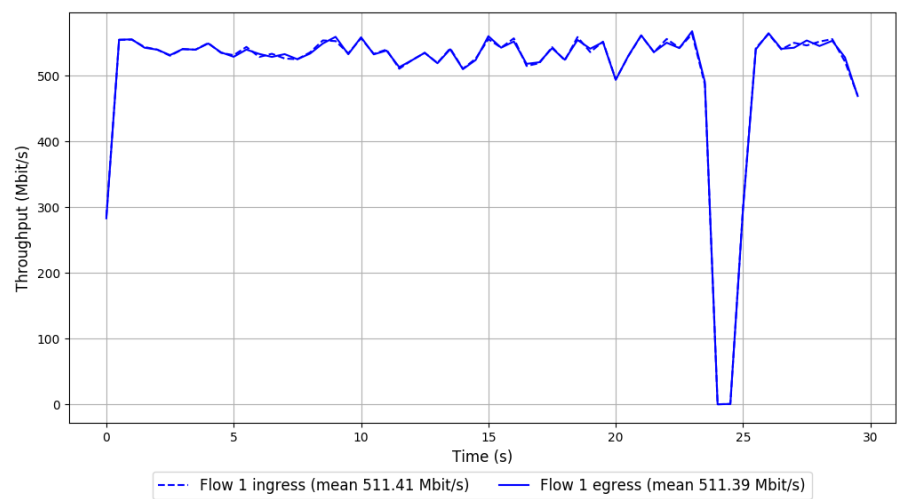
-- Flow 1:

Average throughput: 511.39 Mbit/s

95th percentile per-packet one-way delay: 7.663 ms

Loss rate: 0.02%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: 2017-09-17 23:28:57

End at: 2017-09-17 23:29:27

Local clock offset: -5.211 ms

Remote clock offset: 0.502 ms

# Below is generated by plot.py at 2017-09-18 05:28:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 98.03 Mbit/s

95th percentile per-packet one-way delay: 2.353 ms

Loss rate: 0.01%

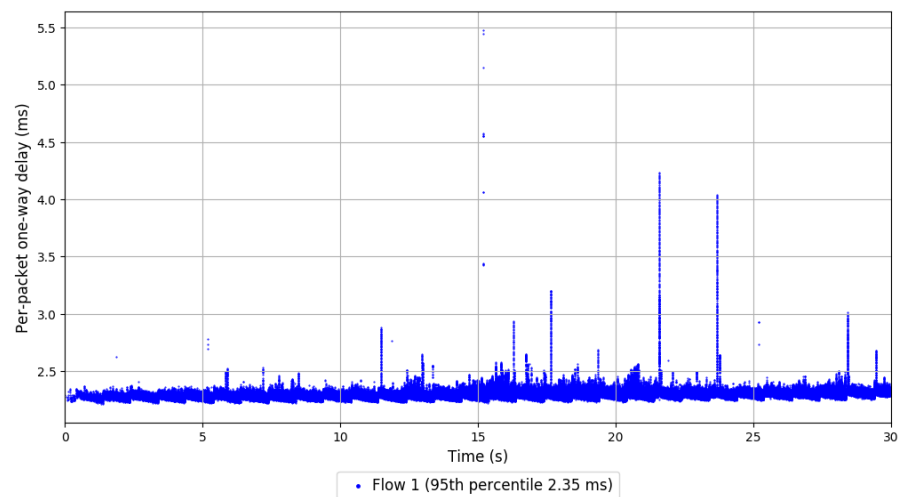
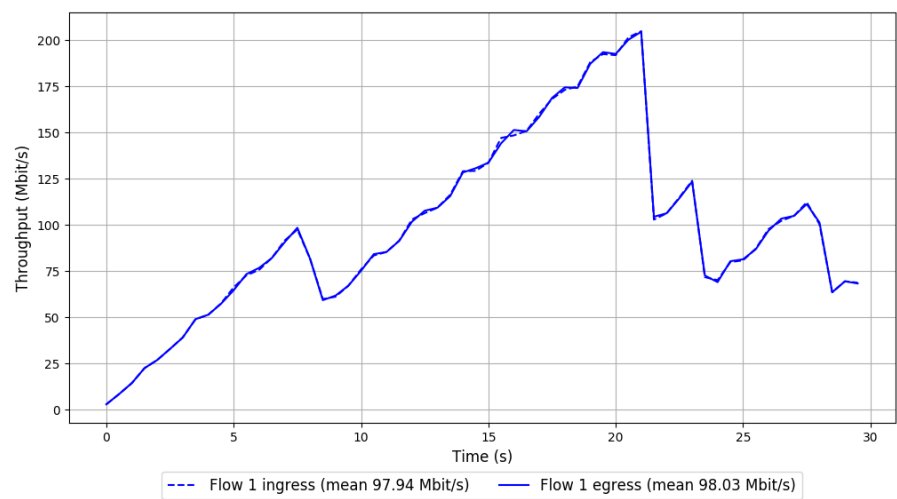
-- Flow 1:

Average throughput: 98.03 Mbit/s

95th percentile per-packet one-way delay: 2.353 ms

Loss rate: 0.01%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: 2017-09-17 23:47:58

End at: 2017-09-17 23:48:28

Local clock offset: -5.537 ms

Remote clock offset: 0.411 ms

# Below is generated by plot.py at 2017-09-18 05:30:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 535.58 Mbit/s

95th percentile per-packet one-way delay: 4.772 ms

Loss rate: 0.01%

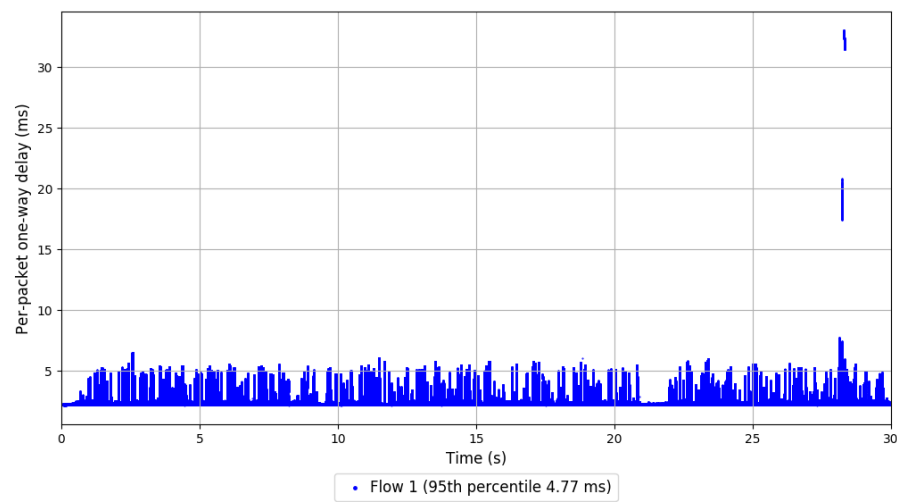
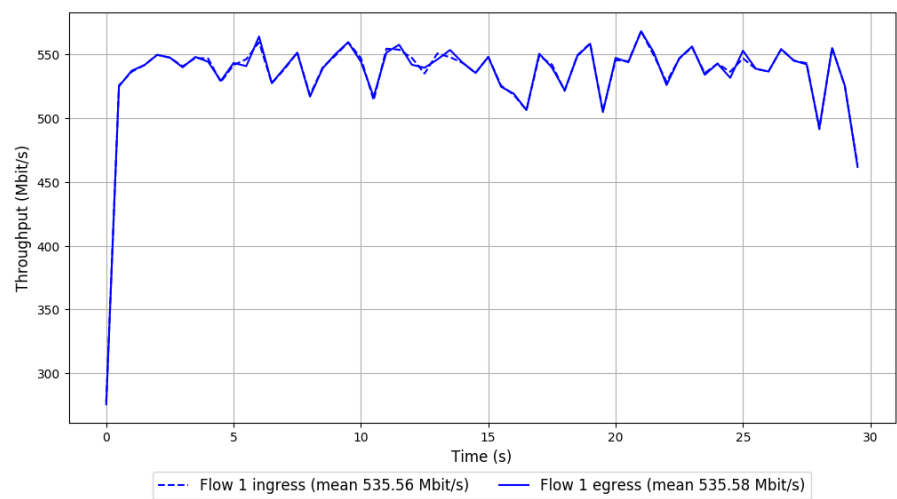
-- Flow 1:

Average throughput: 535.58 Mbit/s

95th percentile per-packet one-way delay: 4.772 ms

Loss rate: 0.01%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: 2017-09-18 00:07:42

End at: 2017-09-18 00:08:12

Local clock offset: -5.711 ms

Remote clock offset: 0.186 ms

# Below is generated by plot.py at 2017-09-18 05:31:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 531.71 Mbit/s

95th percentile per-packet one-way delay: 10.299 ms

Loss rate: 0.03%

-- Flow 1:

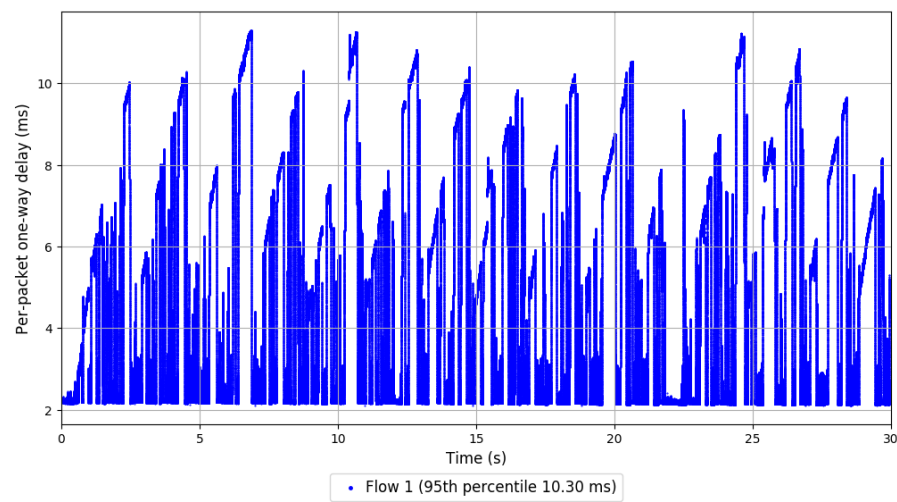
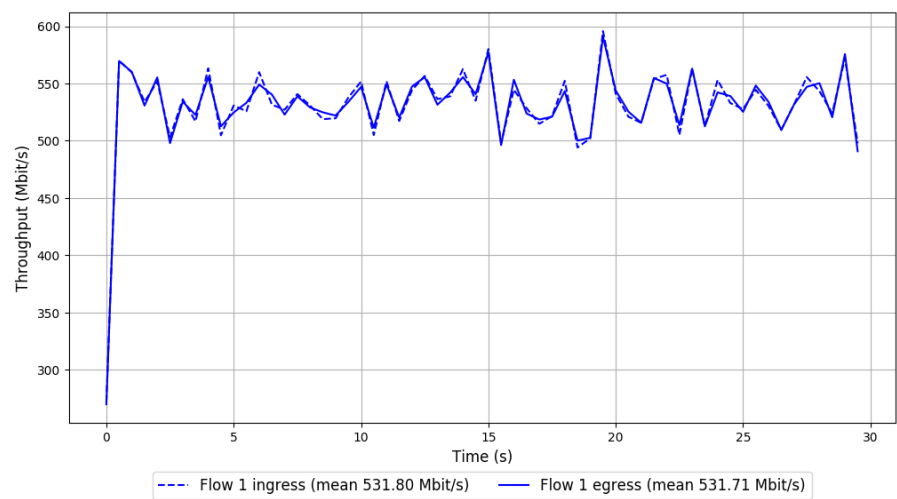
Average throughput: 531.71 Mbit/s

95th percentile per-packet one-way delay: 10.299 ms

Loss rate: 0.03%



Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: 2017-09-18 00:27:20

End at: 2017-09-18 00:27:50

Local clock offset: -4.963 ms

Remote clock offset: 0.104 ms

# Below is generated by plot.py at 2017-09-18 05:32:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 528.67 Mbit/s

95th percentile per-packet one-way delay: 6.764 ms

Loss rate: 0.02%

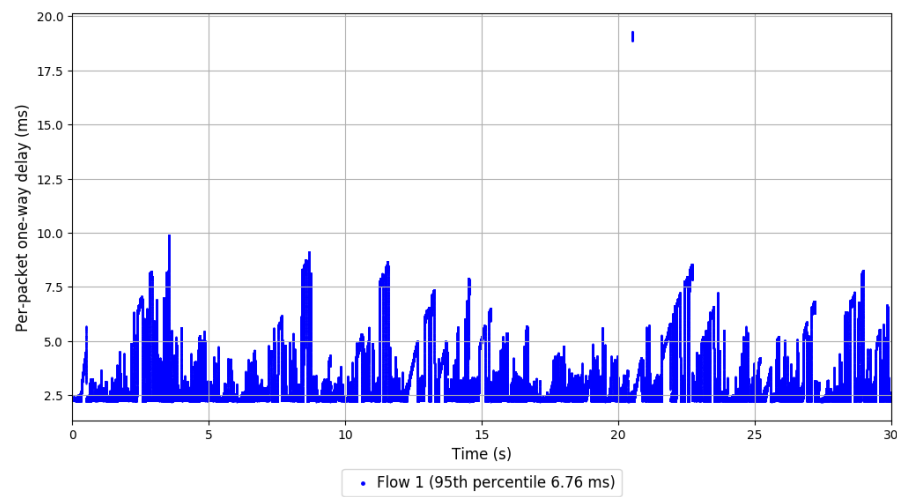
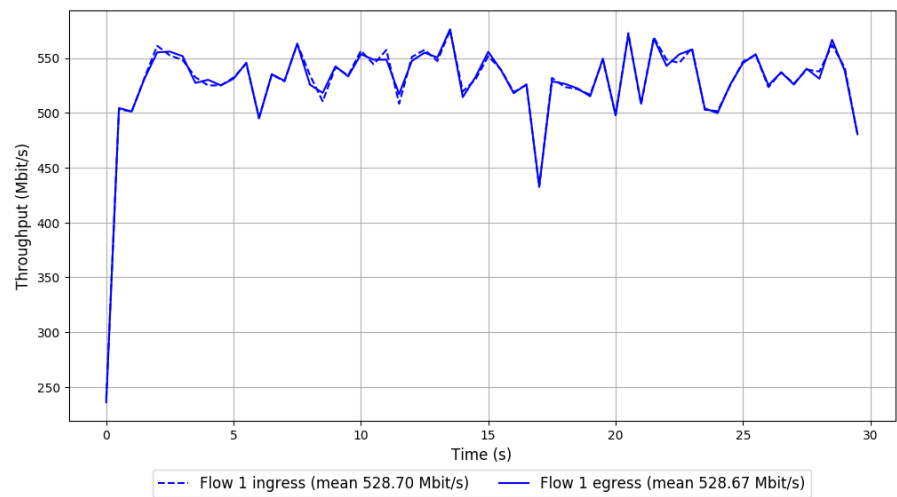
-- Flow 1:

Average throughput: 528.67 Mbit/s

95th percentile per-packet one-way delay: 6.764 ms

Loss rate: 0.02%

Run 10: Report of LEDBAT — Data Link

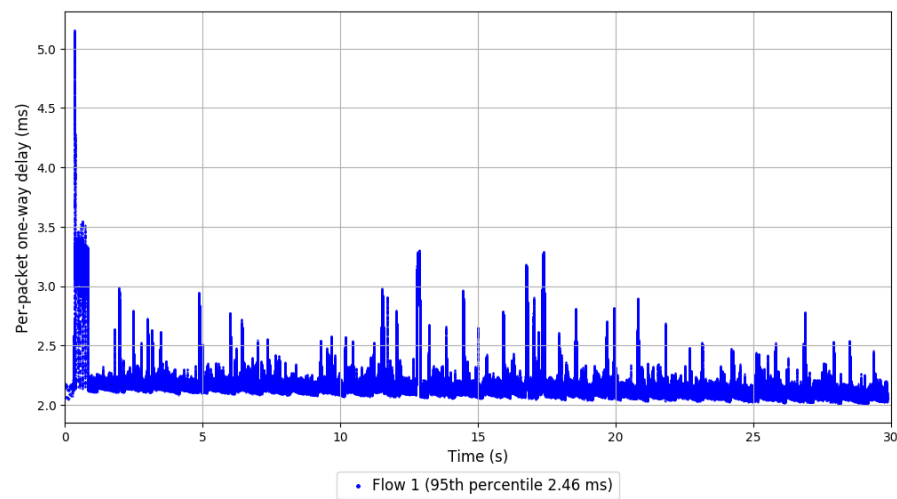
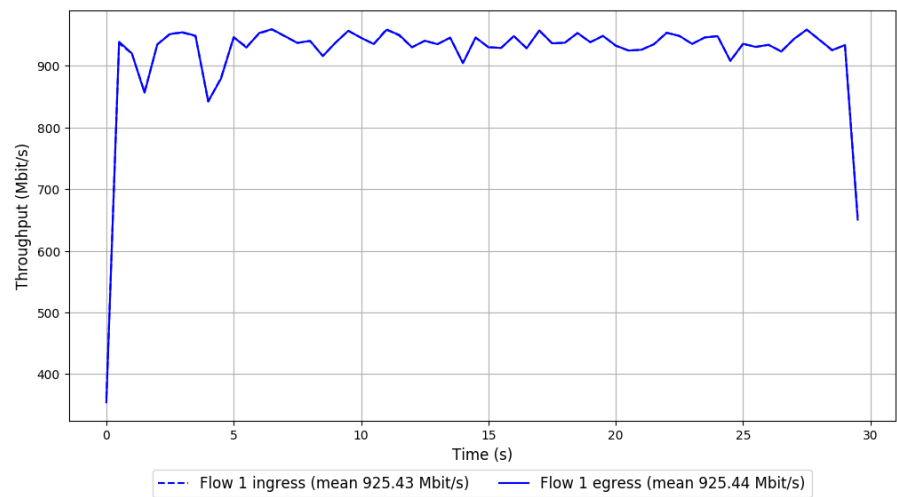


```
Run 1: Statistics of PCC

Start at: 2017-09-17 21:33:12
End at: 2017-09-17 21:33:42
Local clock offset: -7.321 ms
Remote clock offset: 0.261 ms

# Below is generated by plot.py at 2017-09-18 05:39:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 925.44 Mbit/s
95th percentile per-packet one-way delay: 2.460 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 925.44 Mbit/s
95th percentile per-packet one-way delay: 2.460 ms
Loss rate: 0.02%
```

Run 1: Report of PCC — Data Link

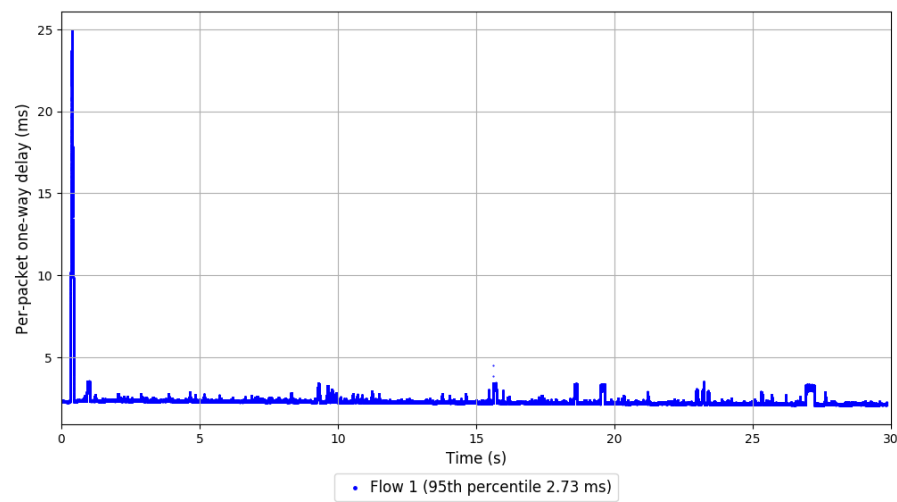
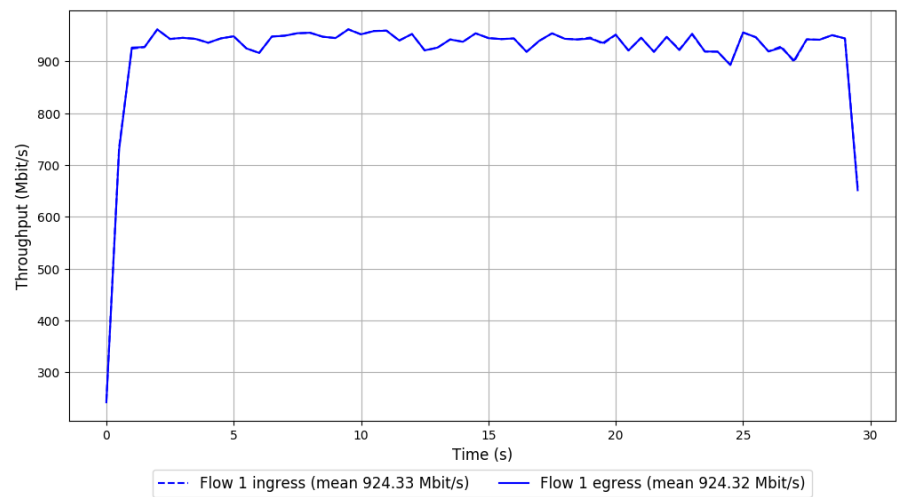


Run 2: Statistics of PCC

Start at: 2017-09-17 21:52:54  
End at: 2017-09-17 21:53:24  
Local clock offset: -5.556 ms  
Remote clock offset: 0.584 ms

# Below is generated by plot.py at 2017-09-18 05:39:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 924.32 Mbit/s  
95th percentile per-packet one-way delay: 2.734 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 924.32 Mbit/s  
95th percentile per-packet one-way delay: 2.734 ms  
Loss rate: 0.02%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-09-17 22:12:44

End at: 2017-09-17 22:13:14

Local clock offset: -3.341 ms

Remote clock offset: 0.77 ms

# Below is generated by plot.py at 2017-09-18 05:40:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 927.43 Mbit/s

95th percentile per-packet one-way delay: 2.972 ms

Loss rate: 0.02%

-- Flow 1:

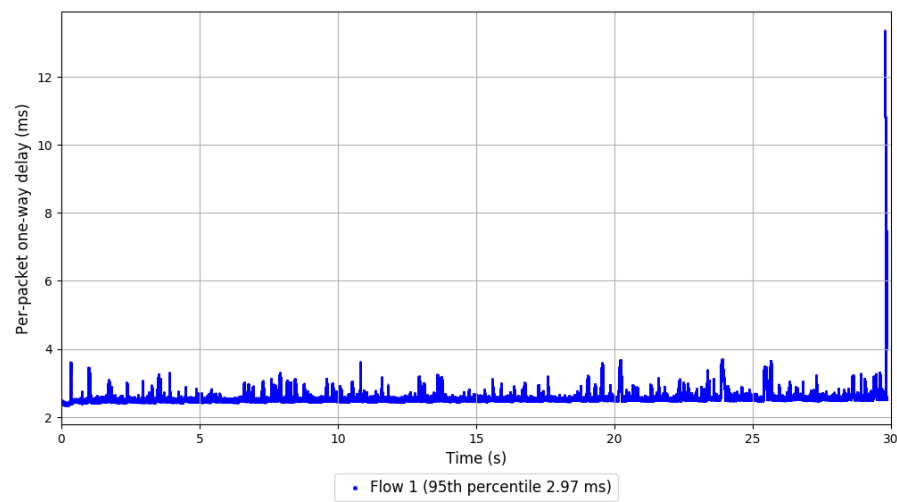
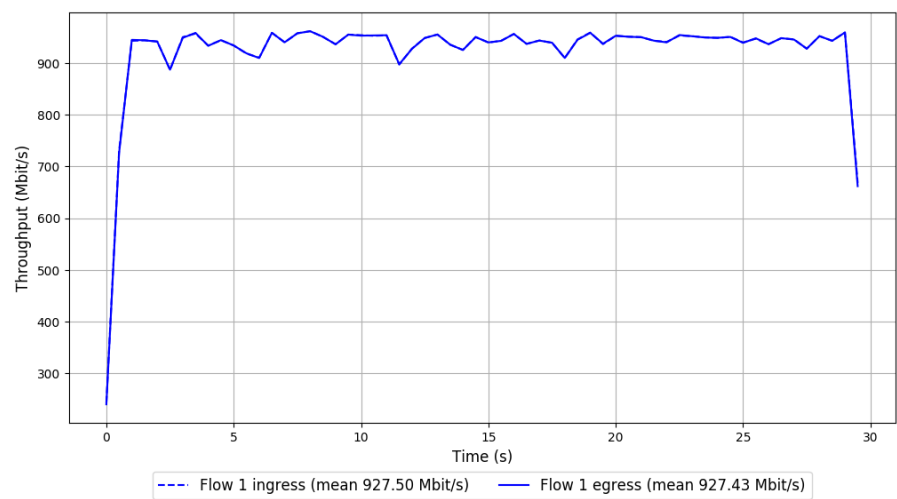
Average throughput: 927.43 Mbit/s

95th percentile per-packet one-way delay: 2.972 ms

Loss rate: 0.02%



Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: 2017-09-17 22:32:30

End at: 2017-09-17 22:33:00

Local clock offset: -4.986 ms

Remote clock offset: 0.755 ms

# Below is generated by plot.py at 2017-09-18 05:41:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 918.15 Mbit/s

95th percentile per-packet one-way delay: 2.714 ms

Loss rate: 0.04%

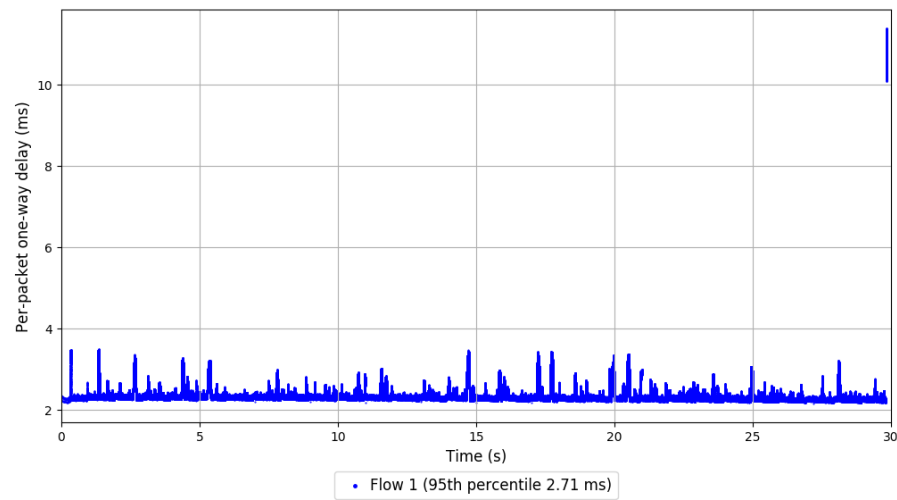
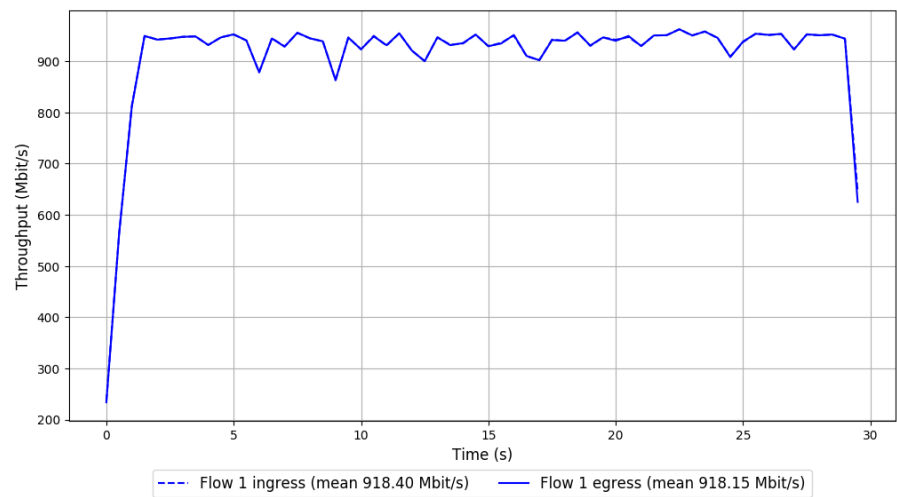
-- Flow 1:

Average throughput: 918.15 Mbit/s

95th percentile per-packet one-way delay: 2.714 ms

Loss rate: 0.04%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2017-09-17 22:52:18

End at: 2017-09-17 22:52:48

Local clock offset: -3.848 ms

Remote clock offset: 0.65 ms

# Below is generated by plot.py at 2017-09-18 05:42:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 931.16 Mbit/s

95th percentile per-packet one-way delay: 3.017 ms

Loss rate: 0.02%

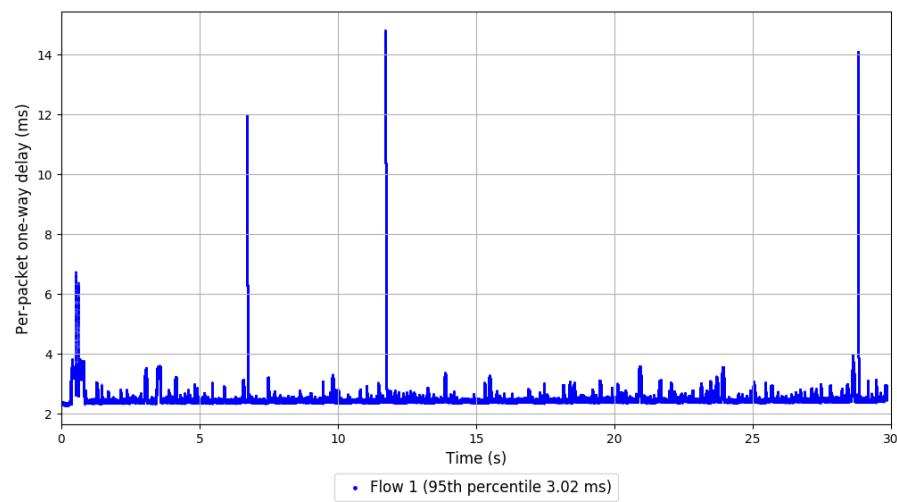
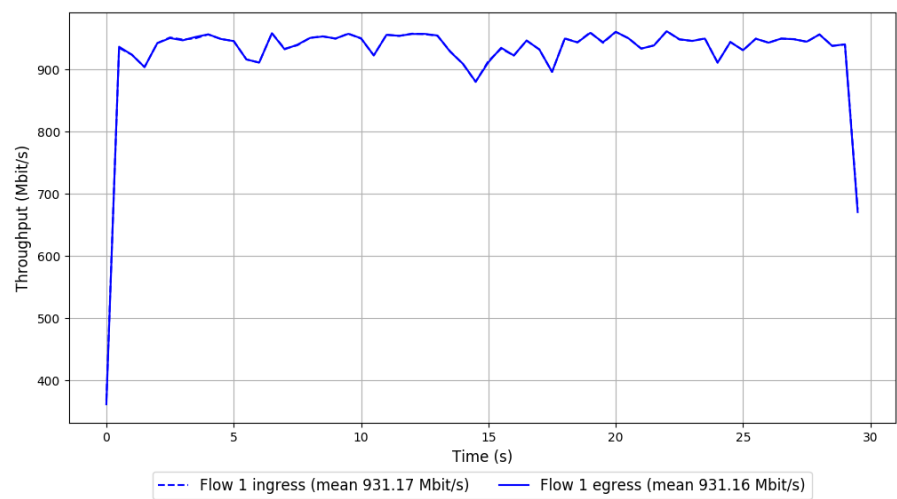
-- Flow 1:

Average throughput: 931.16 Mbit/s

95th percentile per-packet one-way delay: 3.017 ms

Loss rate: 0.02%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: 2017-09-17 23:12:03

End at: 2017-09-17 23:12:33

Local clock offset: -4.053 ms

Remote clock offset: 0.534 ms

# Below is generated by plot.py at 2017-09-18 05:44:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 923.34 Mbit/s

95th percentile per-packet one-way delay: 2.864 ms

Loss rate: 0.02%

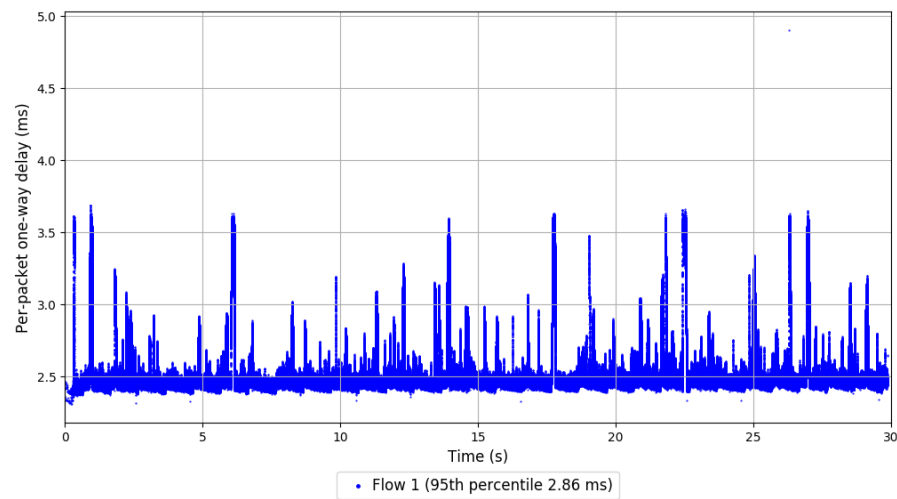
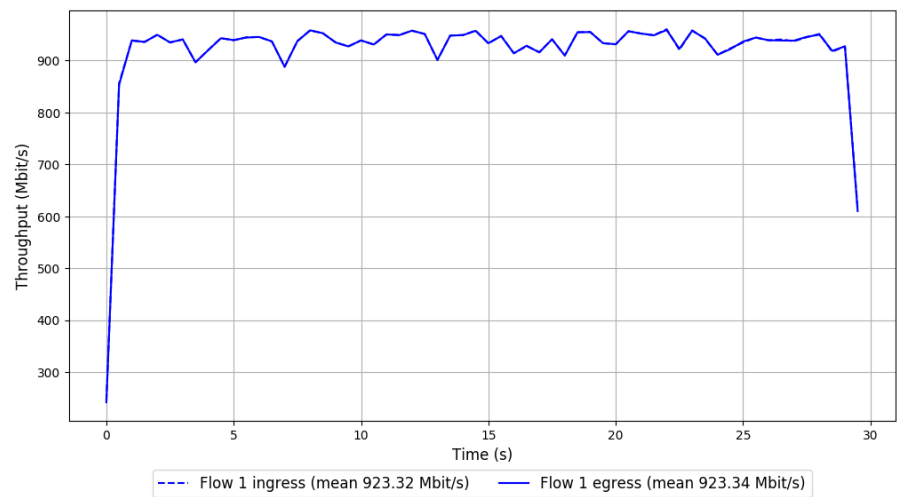
-- Flow 1:

Average throughput: 923.34 Mbit/s

95th percentile per-packet one-way delay: 2.864 ms

Loss rate: 0.02%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: 2017-09-17 23:31:09

End at: 2017-09-17 23:31:39

Local clock offset: -5.323 ms

Remote clock offset: 0.487 ms

# Below is generated by plot.py at 2017-09-18 05:44:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 189.63 Mbit/s

95th percentile per-packet one-way delay: 2.415 ms

Loss rate: 0.05%

-- Flow 1:

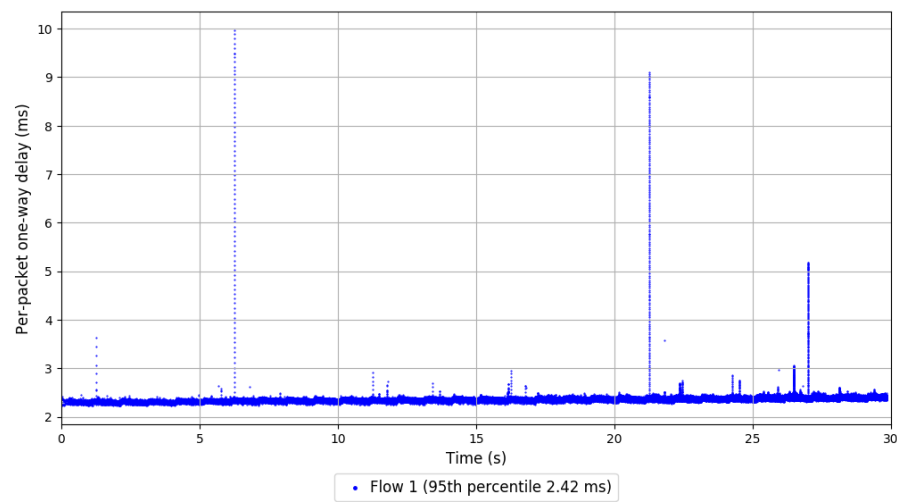
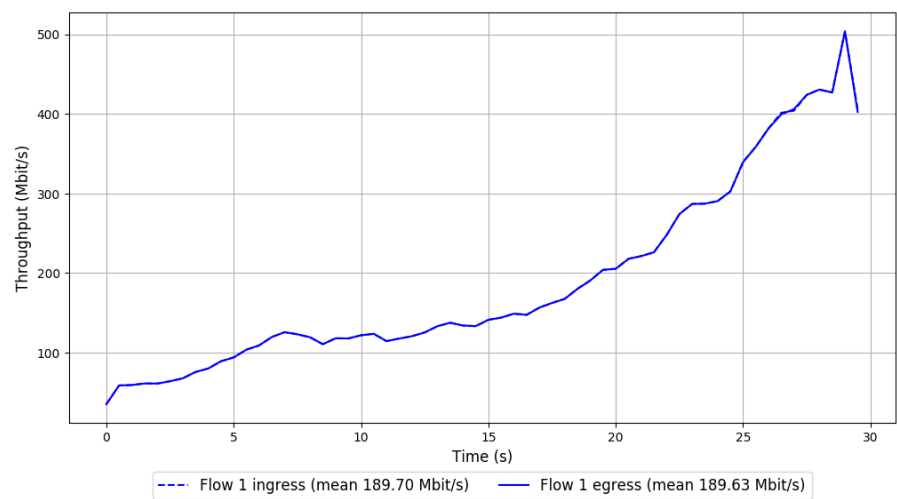
Average throughput: 189.63 Mbit/s

95th percentile per-packet one-way delay: 2.415 ms

Loss rate: 0.05%



Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: 2017-09-17 23:50:33

End at: 2017-09-17 23:51:03

Local clock offset: -5.577 ms

Remote clock offset: 0.288 ms

# Below is generated by plot.py at 2017-09-18 05:46:44

# Datalink statistics

-- Total of 1 flow:

Average throughput: 902.30 Mbit/s

95th percentile per-packet one-way delay: 65.243 ms

Loss rate: 0.96%

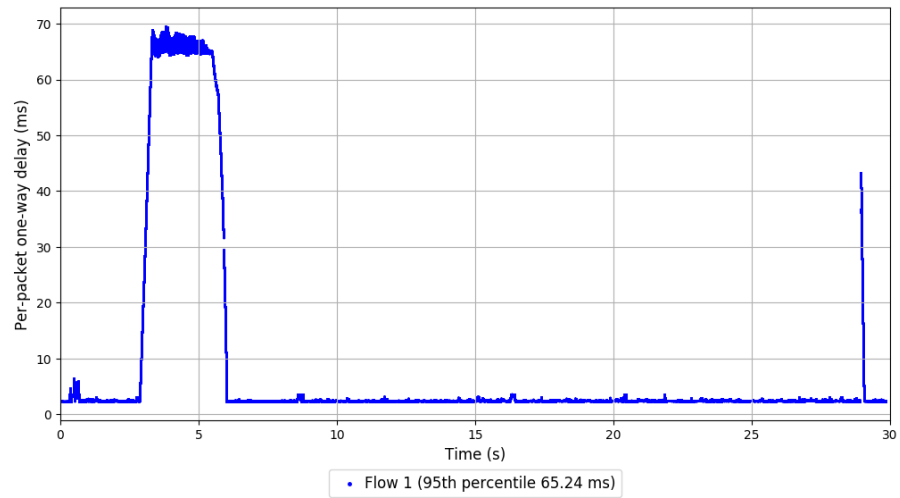
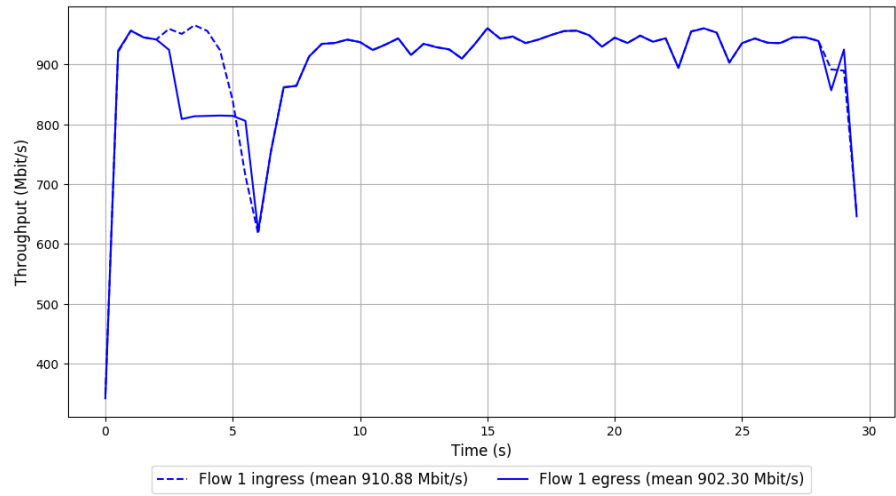
-- Flow 1:

Average throughput: 902.30 Mbit/s

95th percentile per-packet one-way delay: 65.243 ms

Loss rate: 0.96%

## Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-09-18 00:10:17

End at: 2017-09-18 00:10:47

Local clock offset: -5.531 ms

Remote clock offset: 0.165 ms

# Below is generated by plot.py at 2017-09-18 05:48:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 931.45 Mbit/s

95th percentile per-packet one-way delay: 2.638 ms

Loss rate: 0.02%

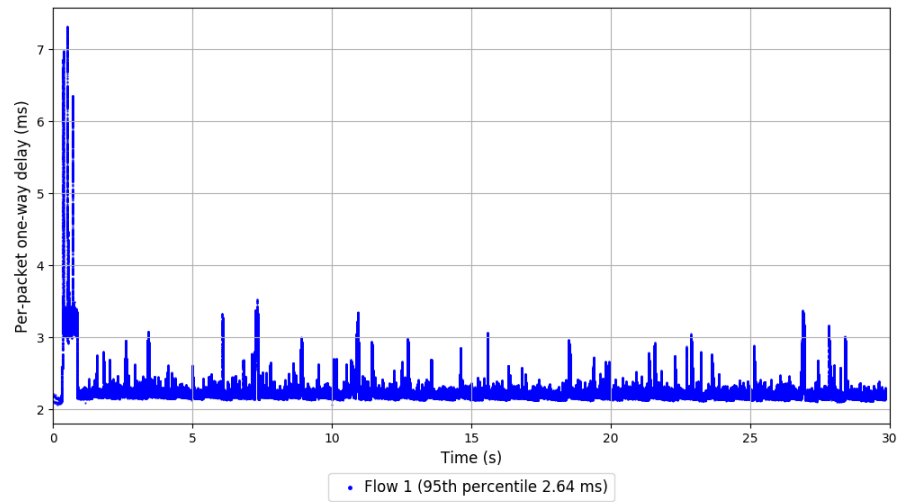
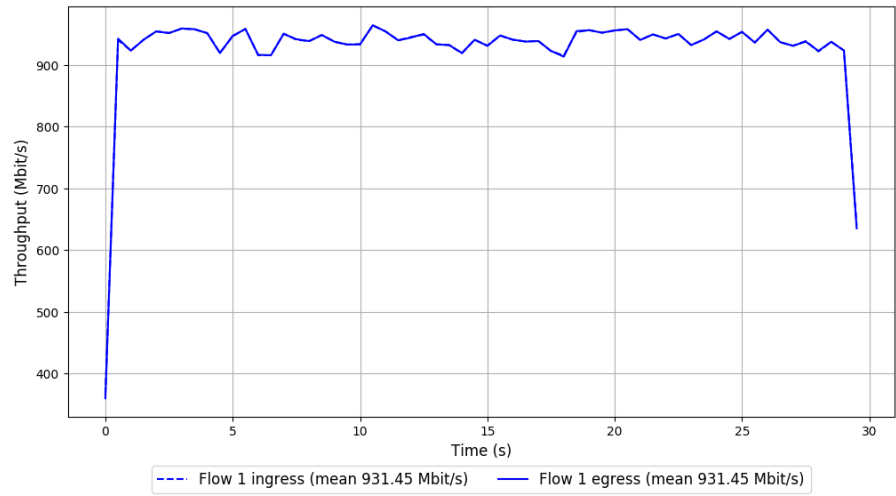
-- Flow 1:

Average throughput: 931.45 Mbit/s

95th percentile per-packet one-way delay: 2.638 ms

Loss rate: 0.02%

### Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: 2017-09-18 00:29:54

End at: 2017-09-18 00:30:24

Local clock offset: -4.867 ms

Remote clock offset: 0.105 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 904.54 Mbit/s

95th percentile per-packet one-way delay: 2.531 ms

Loss rate: 0.02%

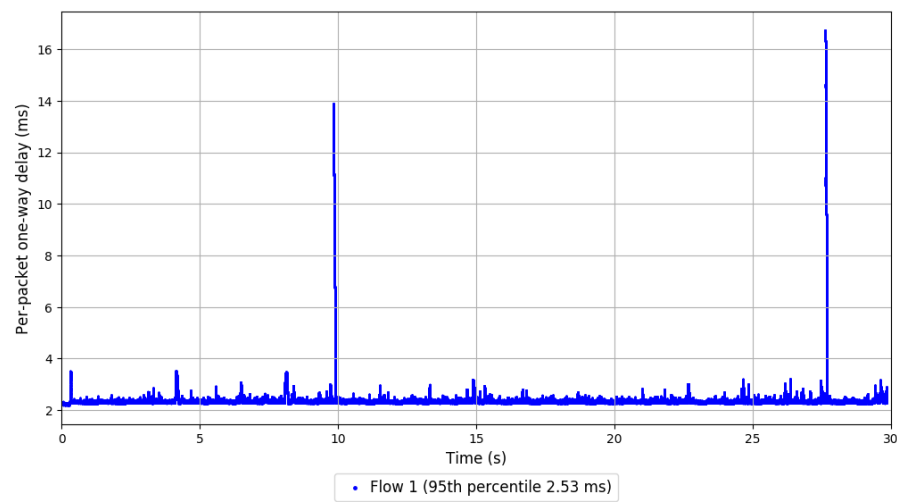
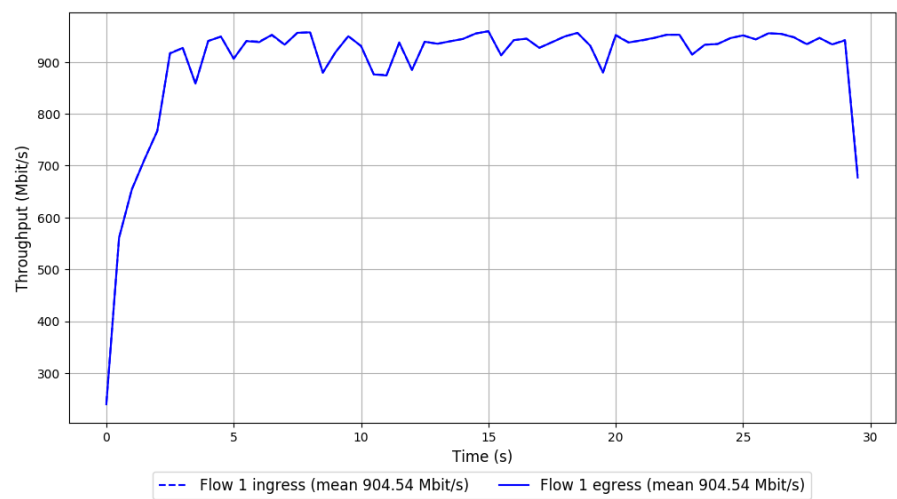
-- Flow 1:

Average throughput: 904.54 Mbit/s

95th percentile per-packet one-way delay: 2.531 ms

Loss rate: 0.02%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2017-09-17 21:35:48

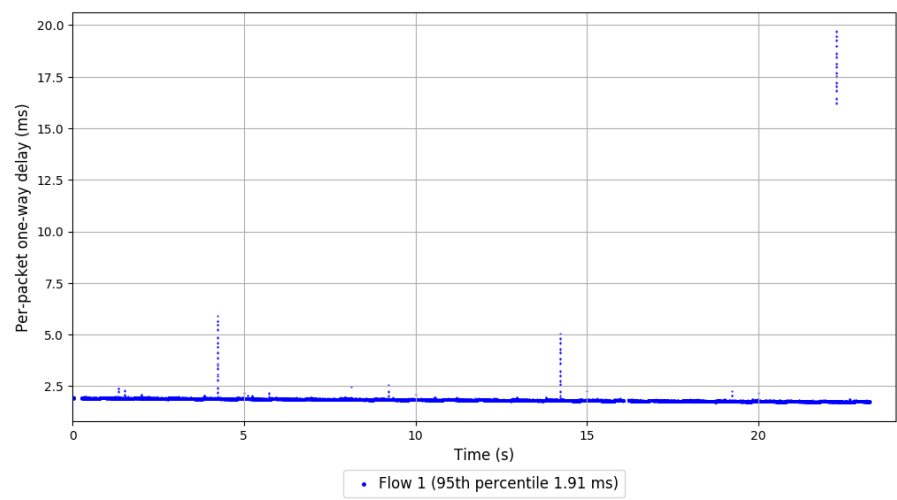
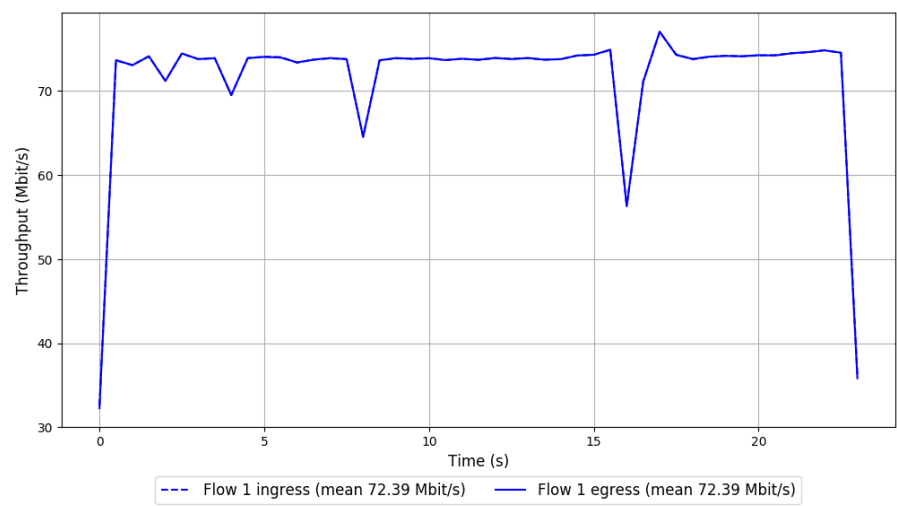
End at: 2017-09-17 21:36:18

Local clock offset: -6.527 ms

Remote clock offset: 0.311 ms



Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-09-17 21:55:30

End at: 2017-09-17 21:56:00

Local clock offset: -4.801 ms

Remote clock offset: 0.602 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.20 Mbit/s

95th percentile per-packet one-way delay: 2.075 ms

Loss rate: 0.02%

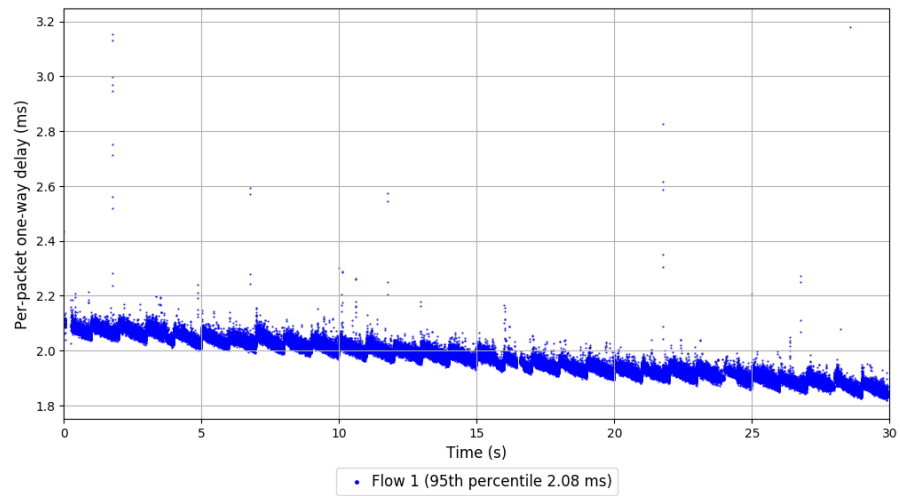
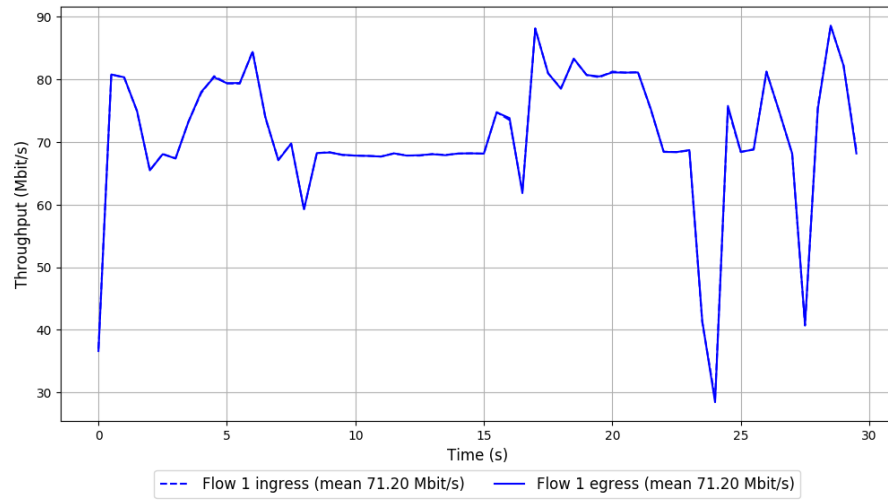
-- Flow 1:

Average throughput: 71.20 Mbit/s

95th percentile per-packet one-way delay: 2.075 ms

Loss rate: 0.02%

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



Run 3: Statistics of QUIC Cubic

Start at: 2017-09-17 22:15:20

End at: 2017-09-17 22:15:50

Local clock offset: -3.744 ms

Remote clock offset: 0.848 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.53 Mbit/s

95th percentile per-packet one-way delay: 2.446 ms

Loss rate: 0.02%

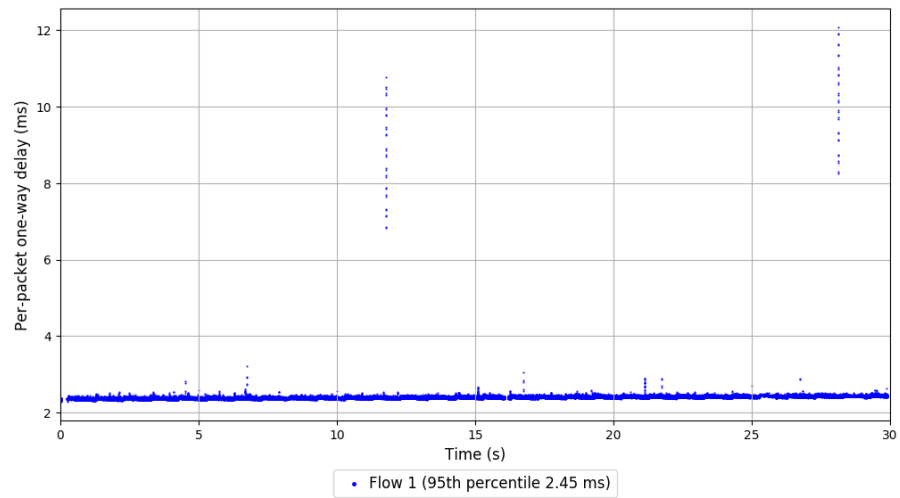
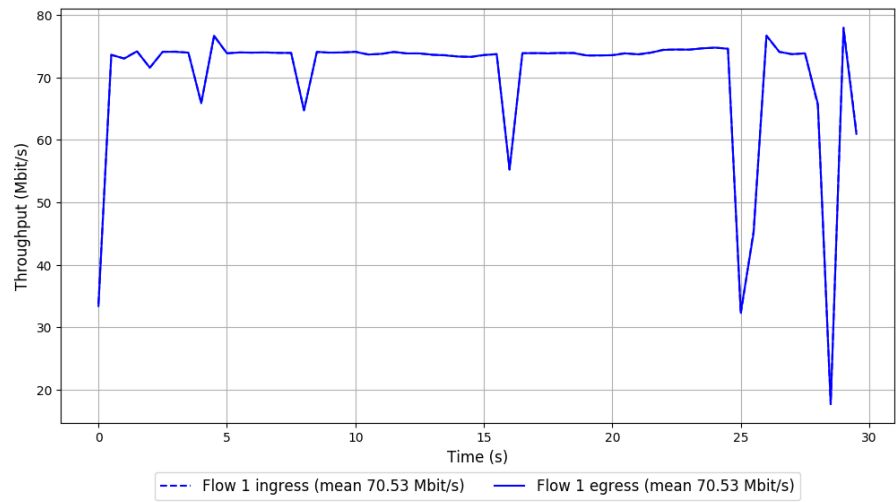
-- Flow 1:

Average throughput: 70.53 Mbit/s

95th percentile per-packet one-way delay: 2.446 ms

Loss rate: 0.02%

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



Run 4: Statistics of QUIC Cubic

Start at: 2017-09-17 22:35:06

End at: 2017-09-17 22:35:36

Local clock offset: -4.663 ms

Remote clock offset: 0.767 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.85 Mbit/s

95th percentile per-packet one-way delay: 2.215 ms

Loss rate: 0.02%

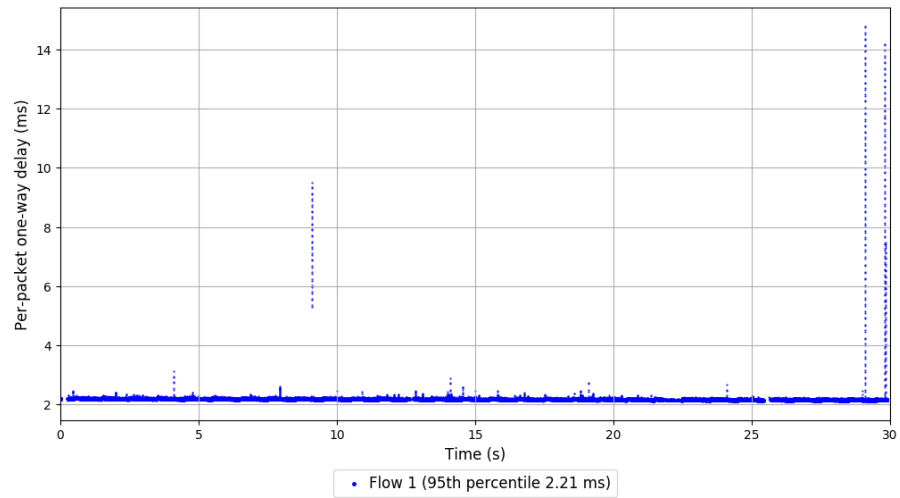
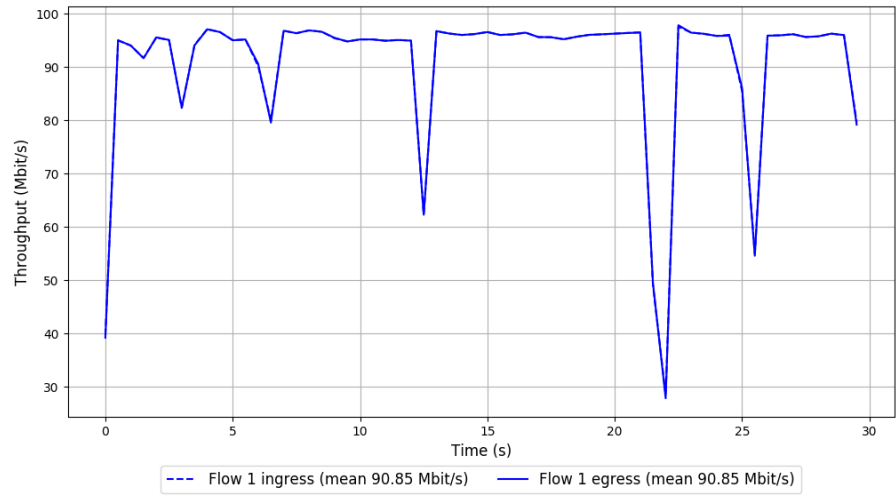
-- Flow 1:

Average throughput: 90.85 Mbit/s

95th percentile per-packet one-way delay: 2.215 ms

Loss rate: 0.02%

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



Run 5: Statistics of QUIC Cubic

Start at: 2017-09-17 22:54:54

End at: 2017-09-17 22:55:24

Local clock offset: -4.017 ms

Remote clock offset: 0.724 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.21 Mbit/s

95th percentile per-packet one-way delay: 2.292 ms

Loss rate: 0.02%

-- Flow 1:

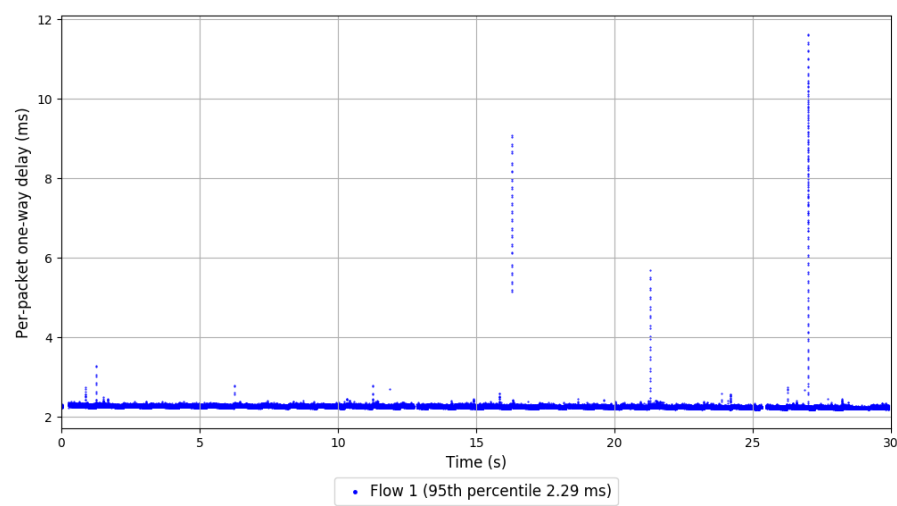
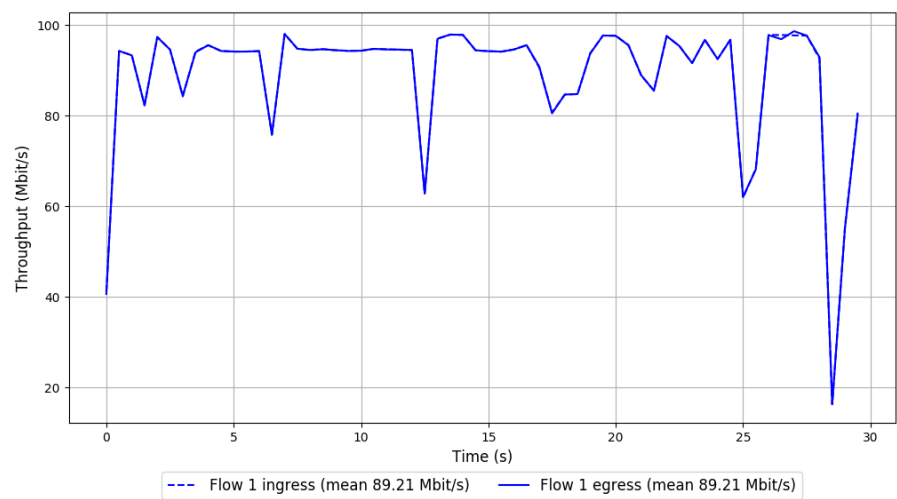
Average throughput: 89.21 Mbit/s

95th percentile per-packet one-way delay: 2.292 ms

Loss rate: 0.02%



Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: 2017-09-17 23:14:38

End at: 2017-09-17 23:15:08

Local clock offset: -4.177 ms

Remote clock offset: 0.61 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.82 Mbit/s

95th percentile per-packet one-way delay: 2.331 ms

Loss rate: 0.02%

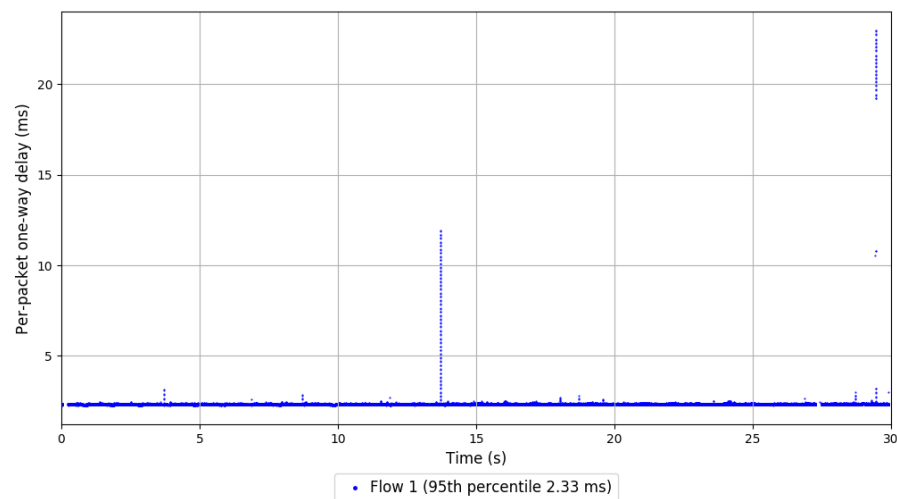
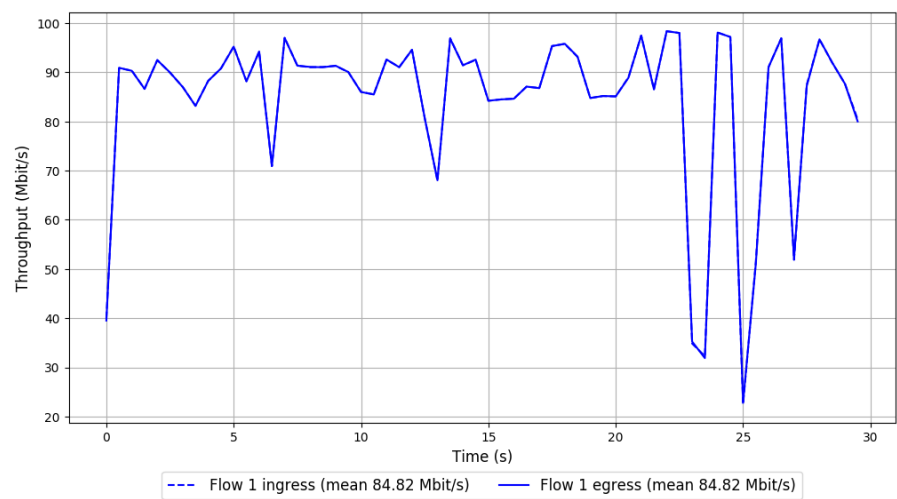
-- Flow 1:

Average throughput: 84.82 Mbit/s

95th percentile per-packet one-way delay: 2.331 ms

Loss rate: 0.02%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2017-09-17 23:33:24

End at: 2017-09-17 23:33:54

Local clock offset: -5.467 ms

Remote clock offset: 0.471 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.96 Mbit/s

95th percentile per-packet one-way delay: 2.351 ms

Loss rate: 0.02%

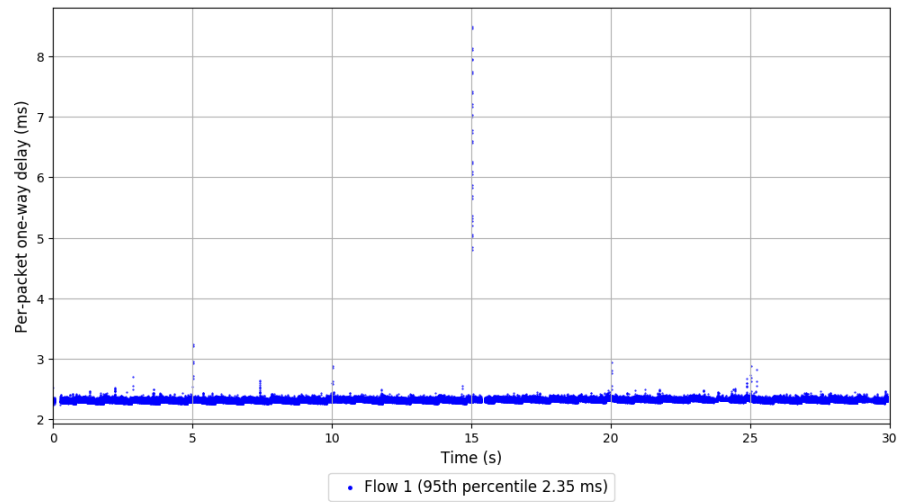
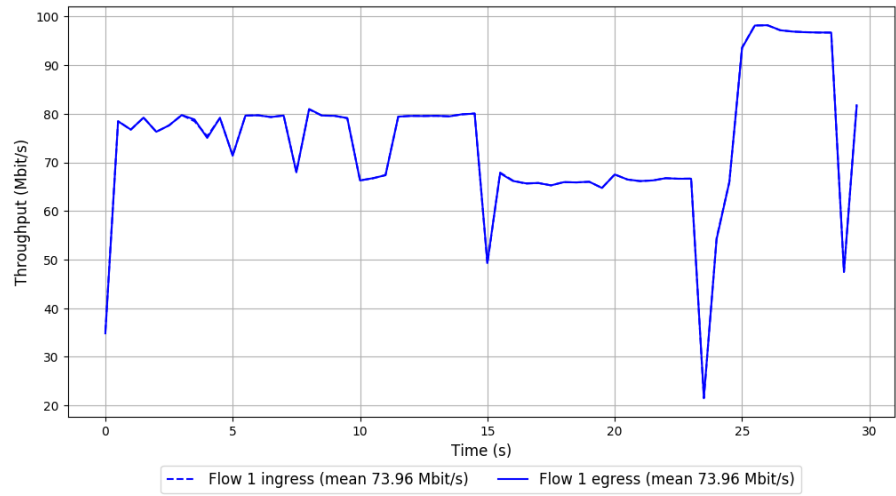
-- Flow 1:

Average throughput: 73.96 Mbit/s

95th percentile per-packet one-way delay: 2.351 ms

Loss rate: 0.02%

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



Run 8: Statistics of QUIC Cubic

Start at: 2017-09-17 23:53:07

End at: 2017-09-17 23:53:37

Local clock offset: -5.732 ms

Remote clock offset: 0.227 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.86 Mbit/s

95th percentile per-packet one-way delay: 2.338 ms

Loss rate: 0.01%

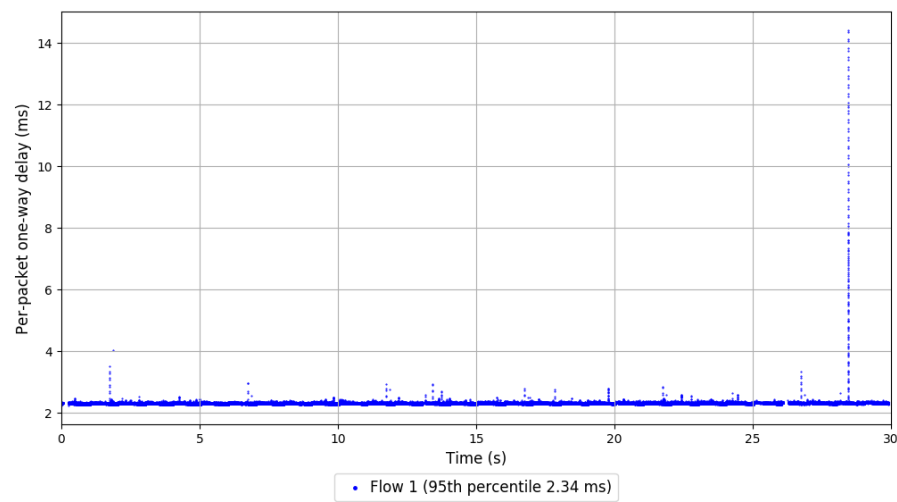
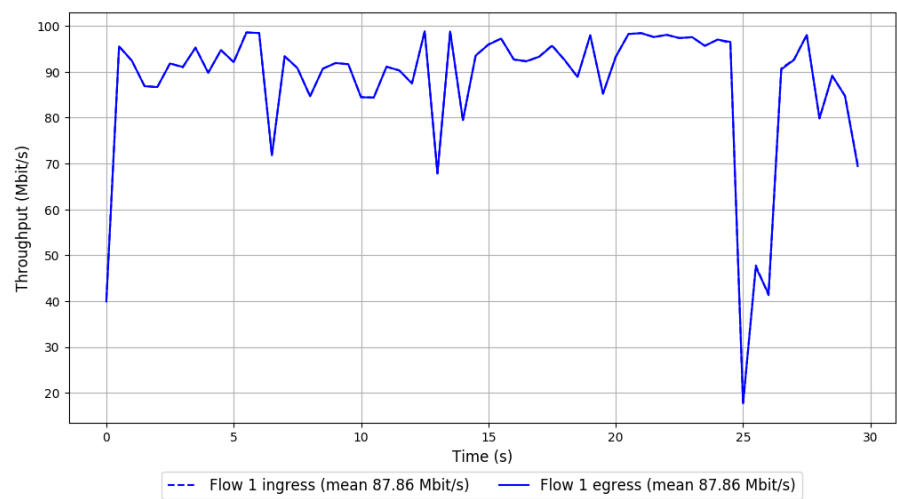
-- Flow 1:

Average throughput: 87.86 Mbit/s

95th percentile per-packet one-way delay: 2.338 ms

Loss rate: 0.01%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-09-18 00:12:54

End at: 2017-09-18 00:13:24

Local clock offset: -5.351 ms

Remote clock offset: 0.156 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.48 Mbit/s

95th percentile per-packet one-way delay: 2.186 ms

Loss rate: 0.02%

-- Flow 1:

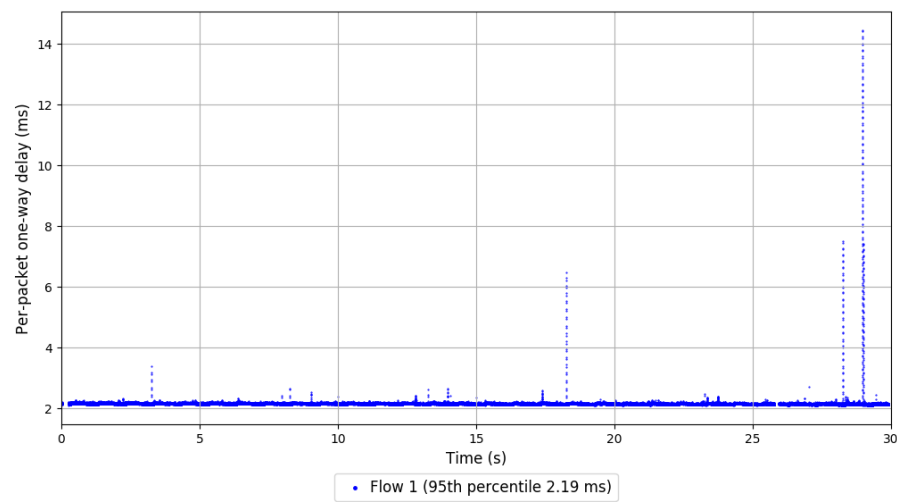
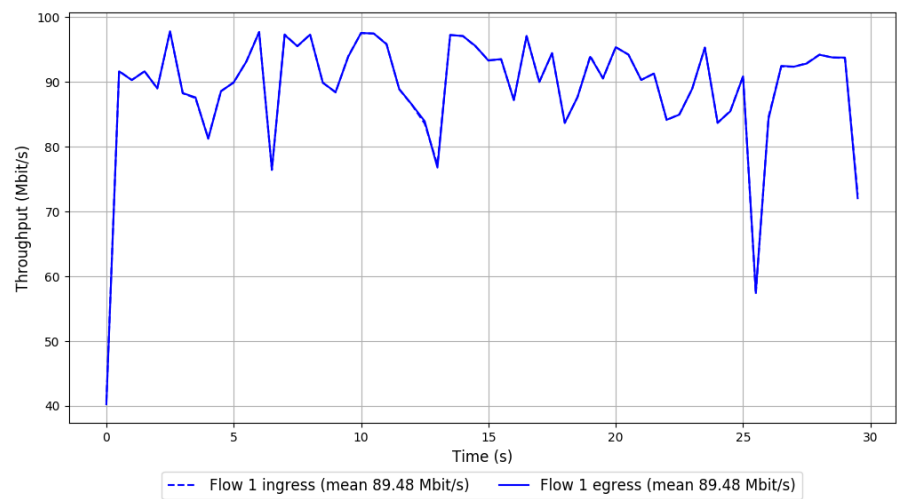
Average throughput: 89.48 Mbit/s

95th percentile per-packet one-way delay: 2.186 ms

Loss rate: 0.02%



Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-09-18 00:32:29

End at: 2017-09-18 00:32:59

Local clock offset: -4.808 ms

Remote clock offset: 0.106 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.12 Mbit/s

95th percentile per-packet one-way delay: 2.292 ms

Loss rate: 0.00%

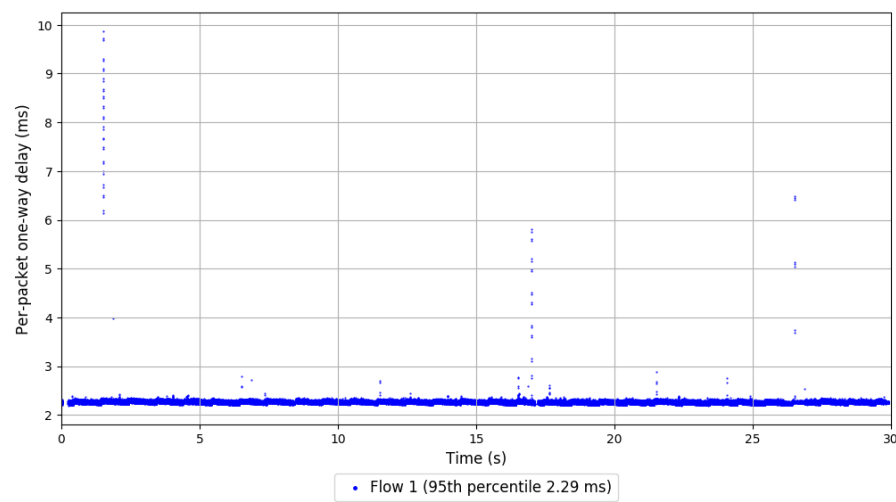
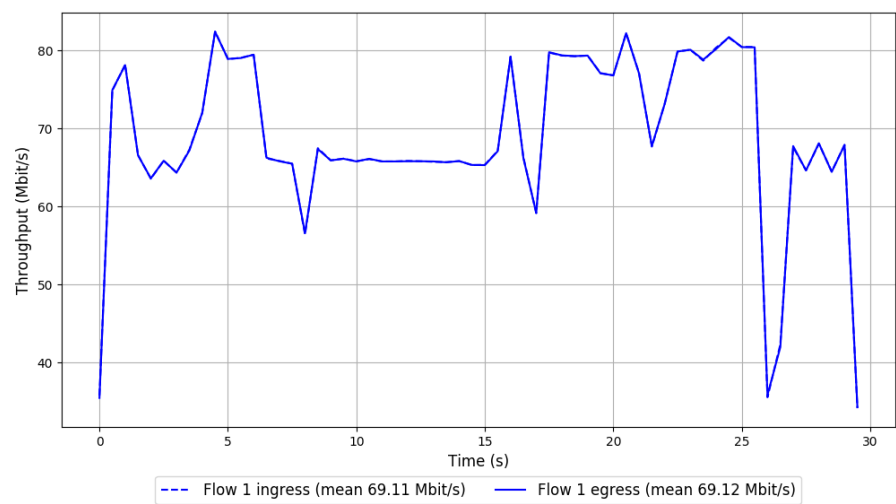
-- Flow 1:

Average throughput: 69.12 Mbit/s

95th percentile per-packet one-way delay: 2.292 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

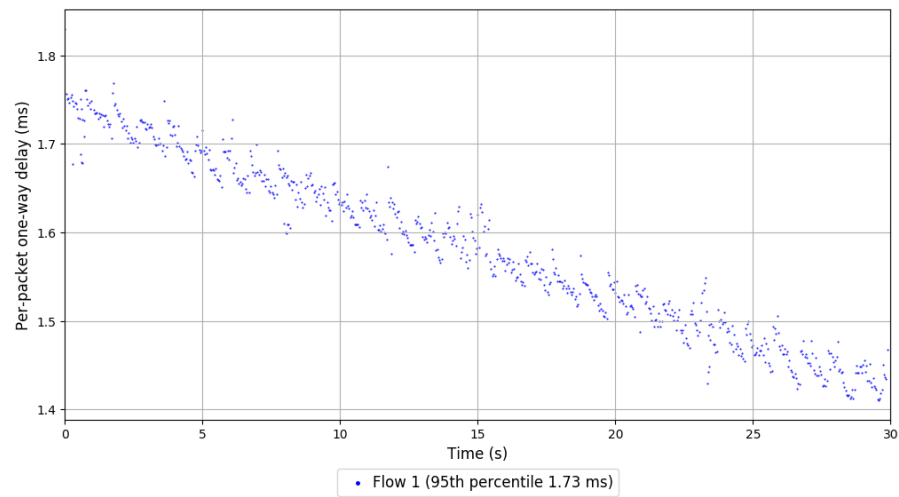
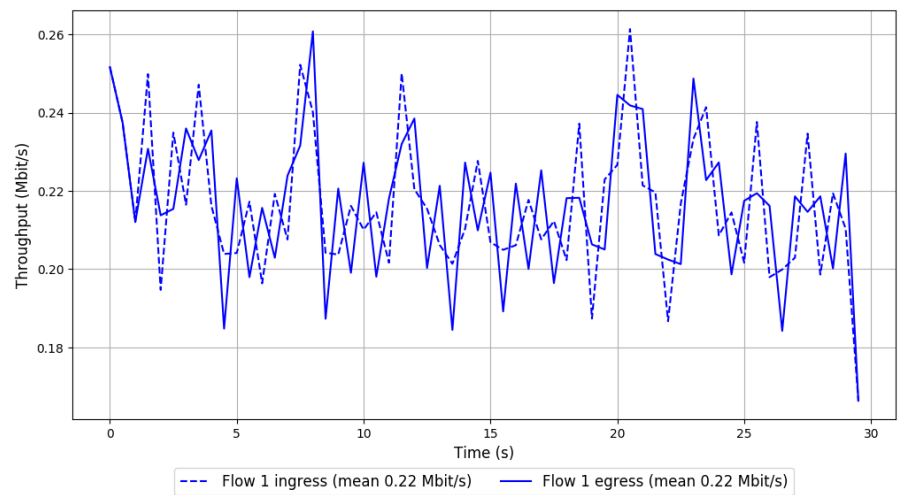


```
Run 1: Statistics of SCReAM

Start at: 2017-09-17 21:26:46
End at: 2017-09-17 21:27:16
Local clock offset: -10.48 ms
Remote clock offset: 0.178 ms

# Below is generated by plot.py at 2017-09-18 05:53:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.731 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.731 ms
Loss rate: 0.00%
```

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2017-09-17 21:46:31

End at: 2017-09-17 21:47:01

Local clock offset: -5.26 ms

Remote clock offset: 0.521 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.176 ms

Loss rate: 0.00%

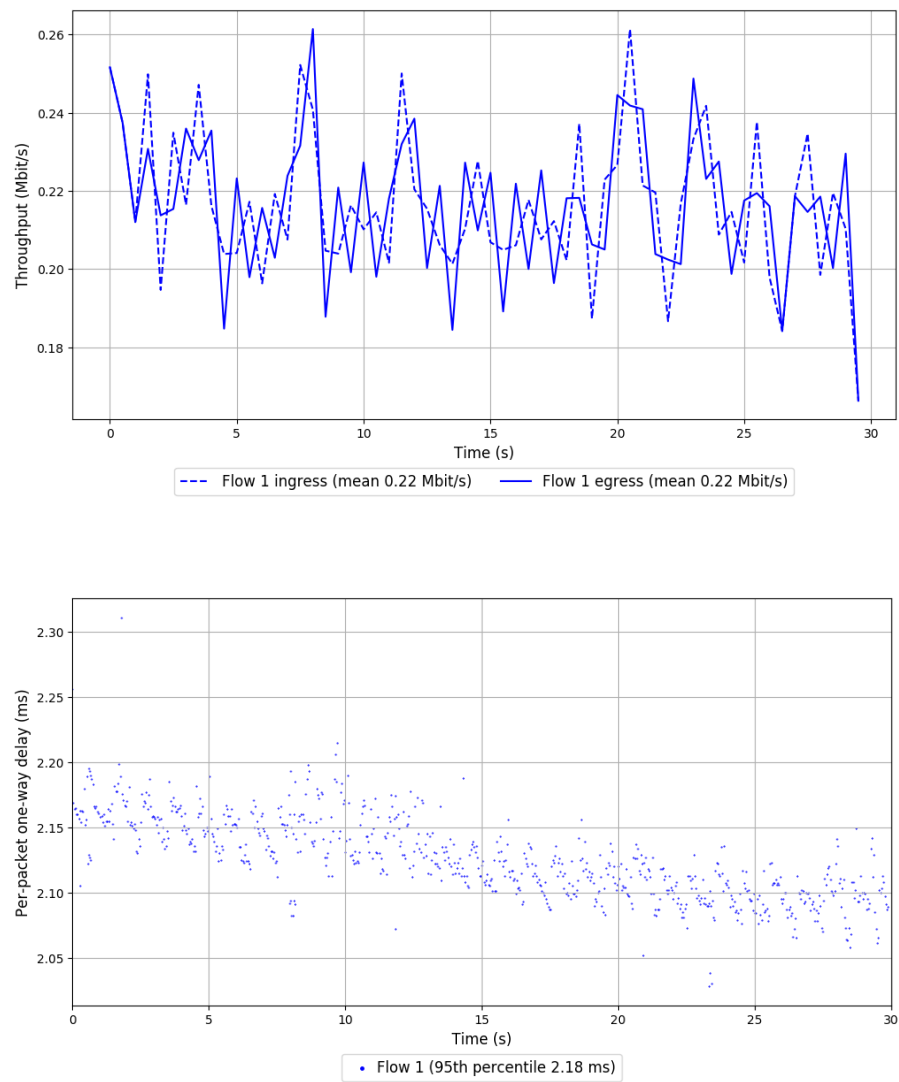
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.176 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: 2017-09-17 22:06:24

End at: 2017-09-17 22:06:54

Local clock offset: -2.846 ms

Remote clock offset: 0.839 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.307 ms

Loss rate: 0.00%

-- Flow 1:

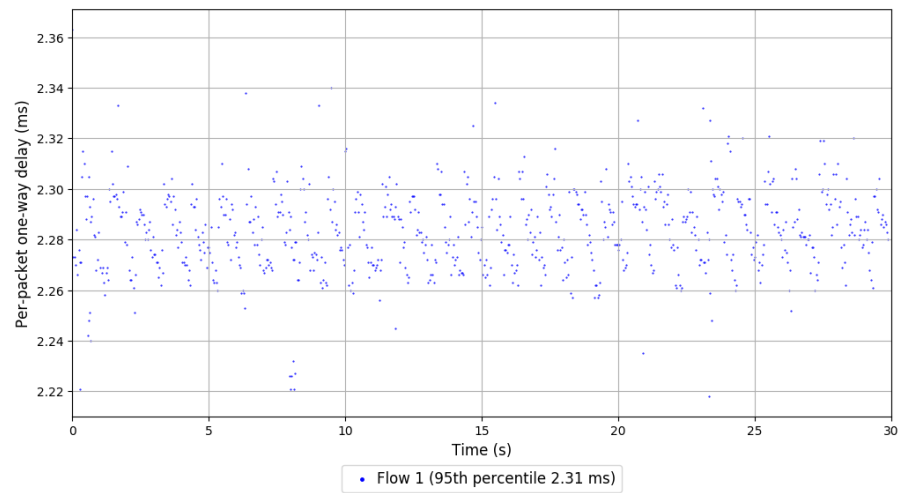
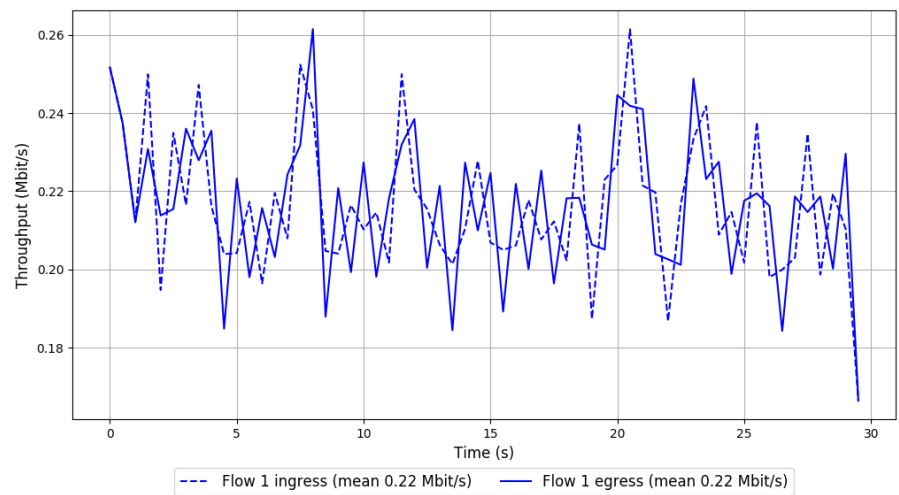
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.307 ms

Loss rate: 0.00%



Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2017-09-17 22:26:06

End at: 2017-09-17 22:26:36

Local clock offset: -4.655 ms

Remote clock offset: 0.835 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.326 ms

Loss rate: 0.00%

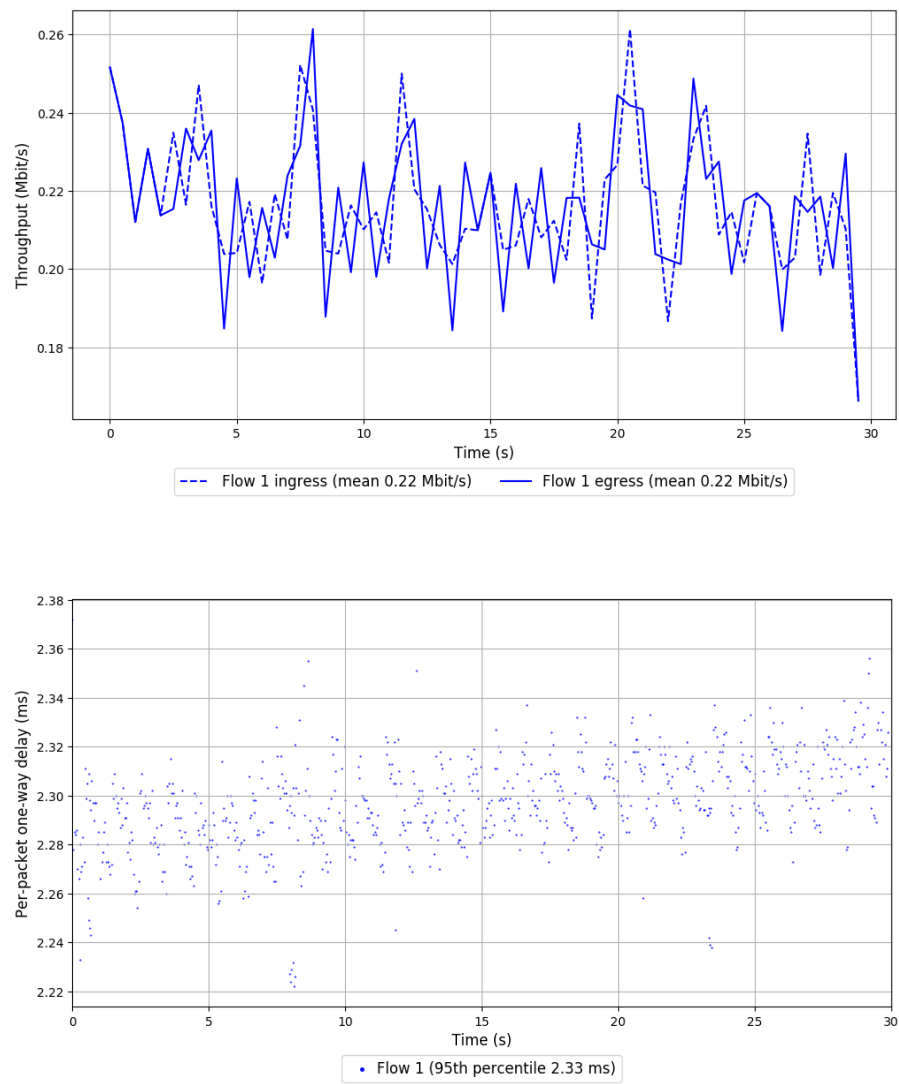
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.326 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2017-09-17 22:45:55

End at: 2017-09-17 22:46:25

Local clock offset: -3.609 ms

Remote clock offset: 0.725 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.317 ms

Loss rate: 0.00%

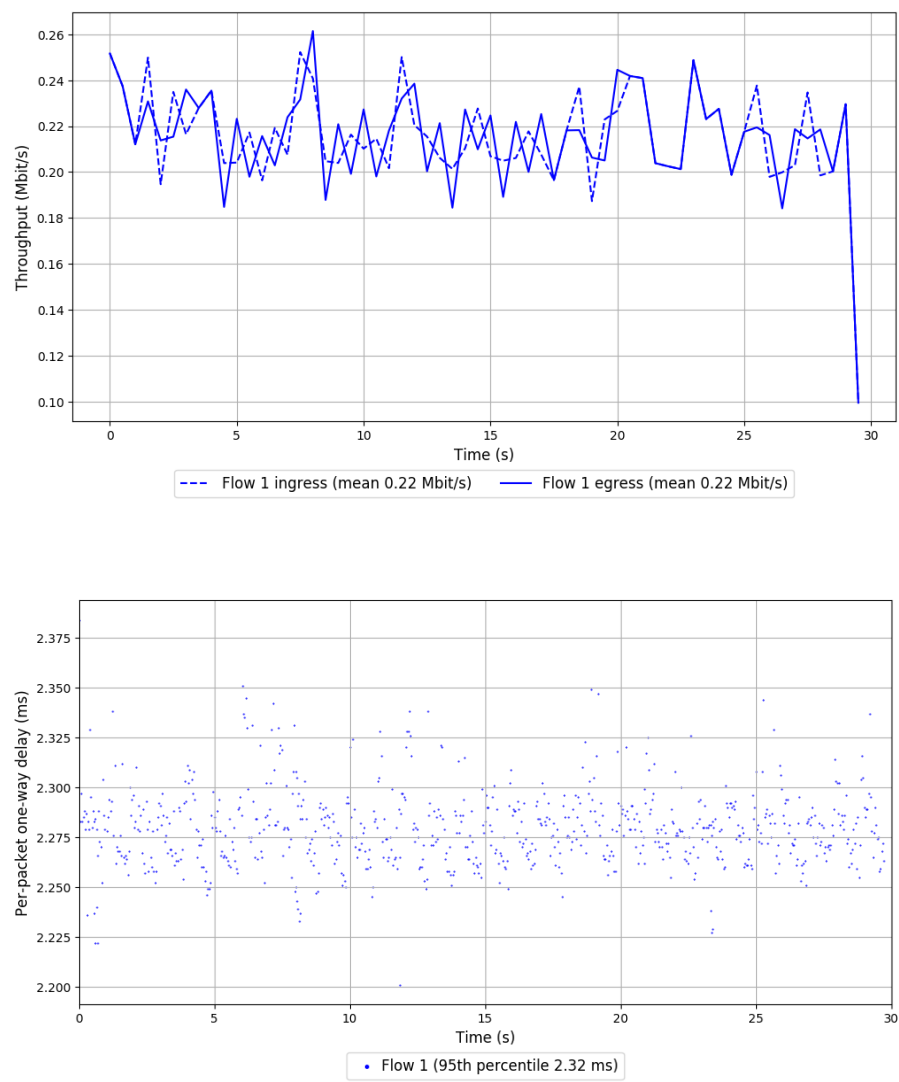
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.317 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2017-09-17 23:05:37

End at: 2017-09-17 23:06:07

Local clock offset: -3.846 ms

Remote clock offset: 0.791 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.249 ms

Loss rate: 0.00%

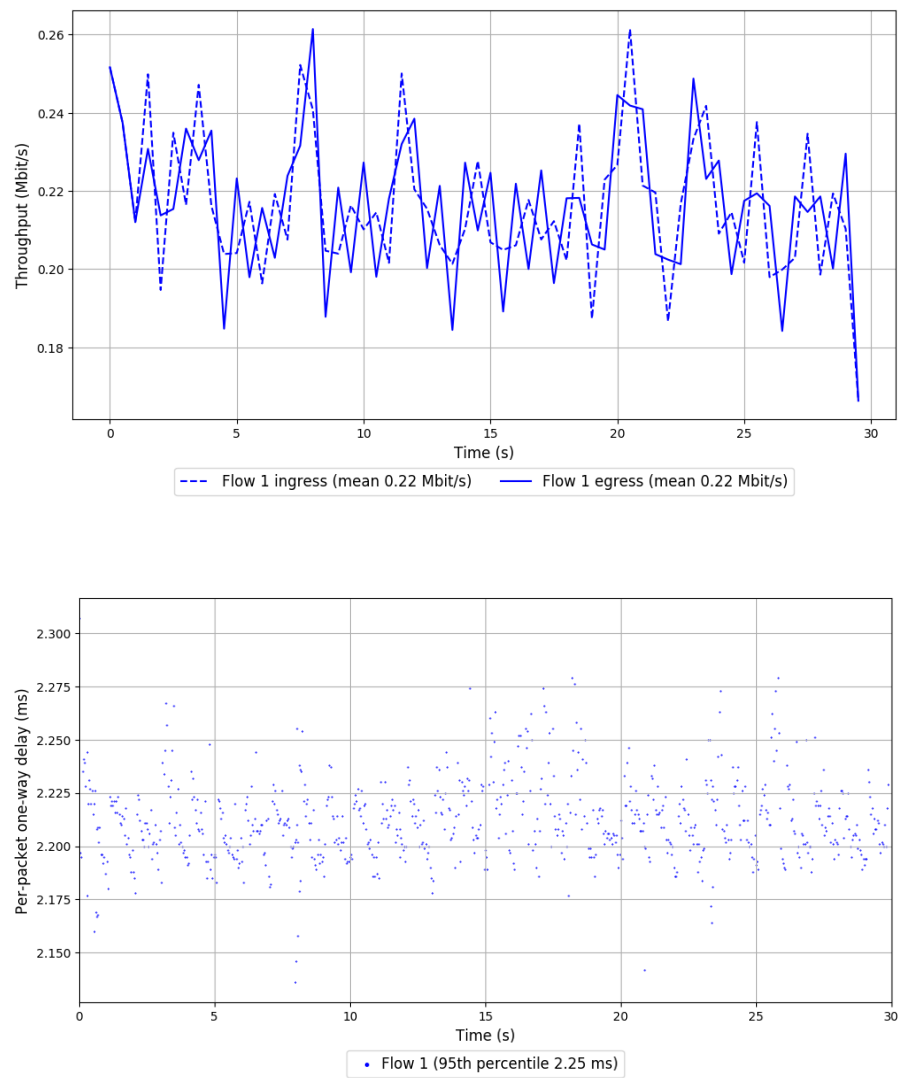
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.249 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: 2017-09-17 23:25:07

End at: 2017-09-17 23:25:37

Local clock offset: -4.859 ms

Remote clock offset: 0.522 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.365 ms

Loss rate: 0.00%

-- Flow 1:

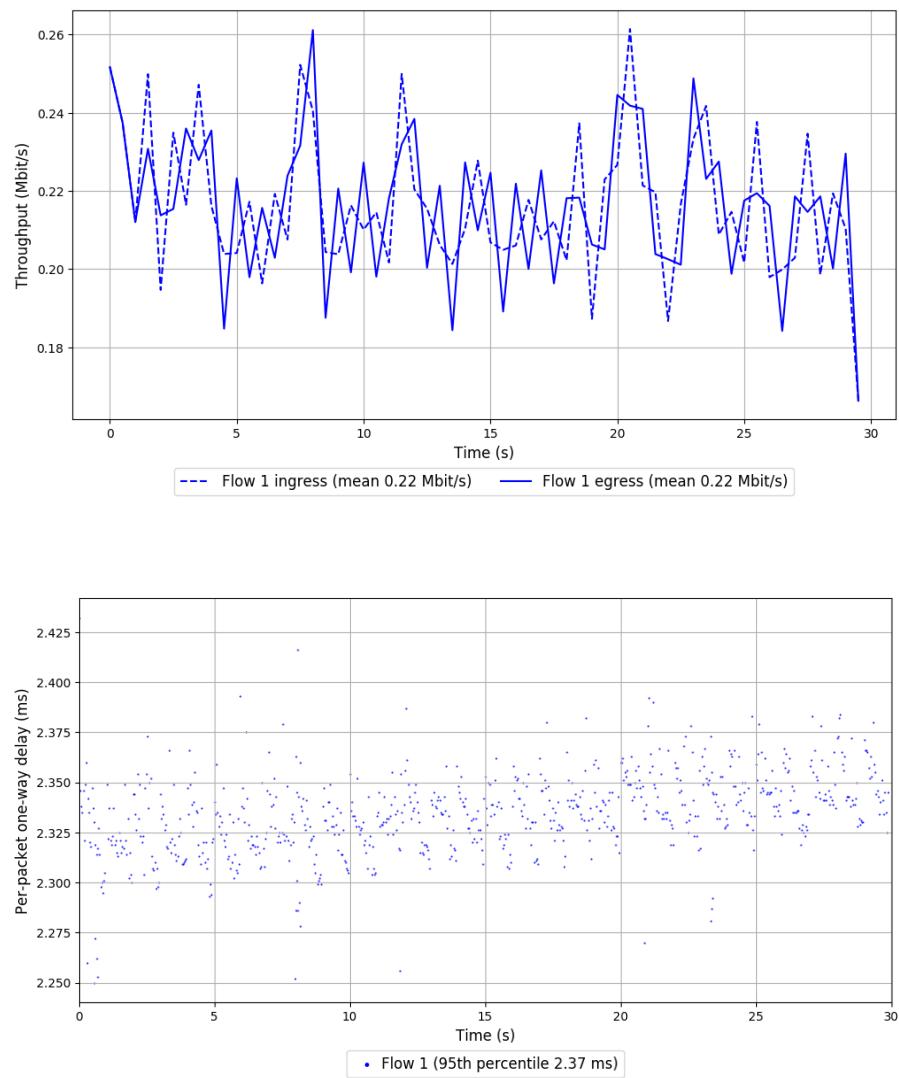
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.365 ms

Loss rate: 0.00%



Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: 2017-09-17 23:44:08

End at: 2017-09-17 23:44:38

Local clock offset: -5.535 ms

Remote clock offset: 0.385 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.275 ms

Loss rate: 0.00%

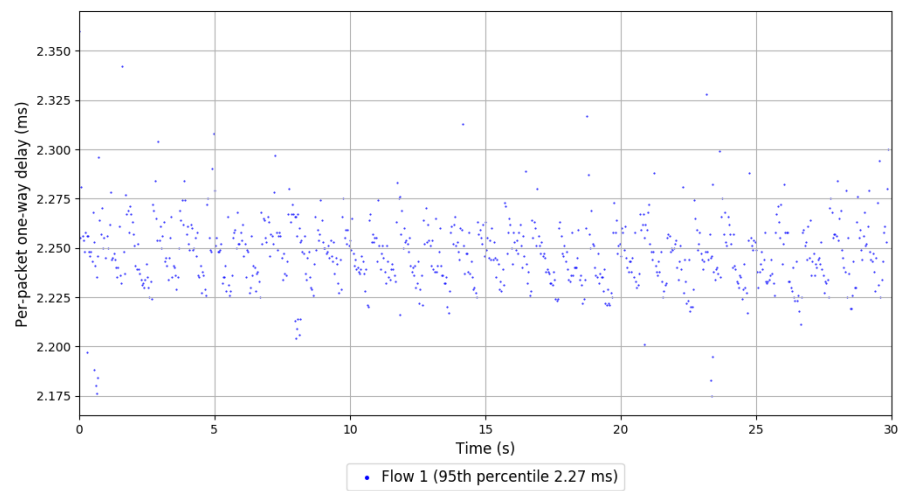
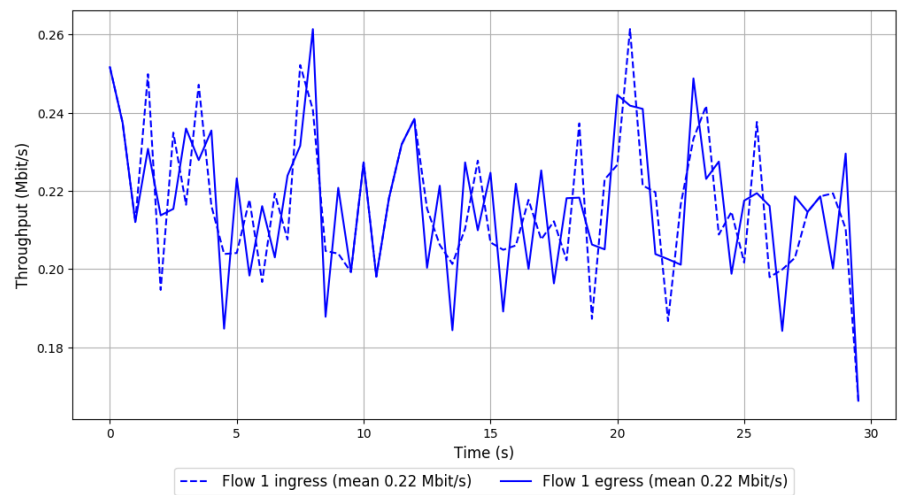
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.275 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: 2017-09-18 00:03:50

End at: 2017-09-18 00:04:20

Local clock offset: -6.048 ms

Remote clock offset: 0.244 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.259 ms

Loss rate: 0.00%

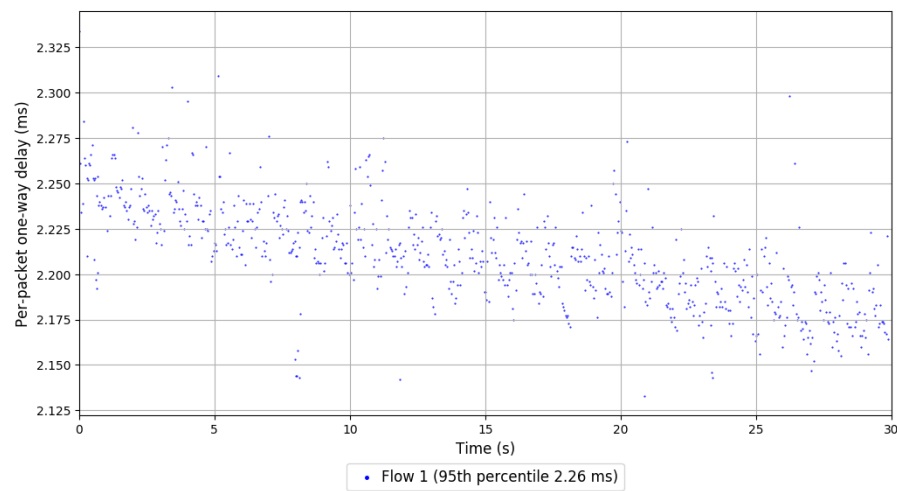
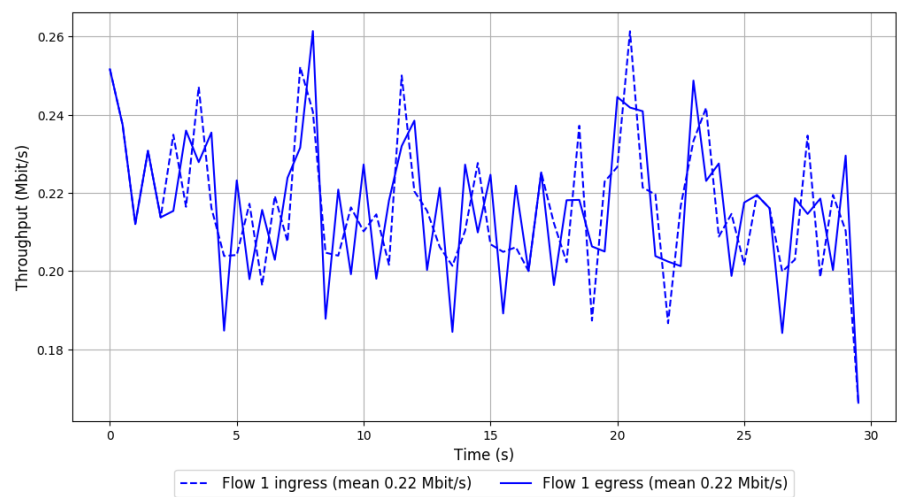
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.259 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: 2017-09-18 00:23:29

End at: 2017-09-18 00:23:59

Local clock offset: -5.07 ms

Remote clock offset: 0.08 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.349 ms

Loss rate: 0.00%

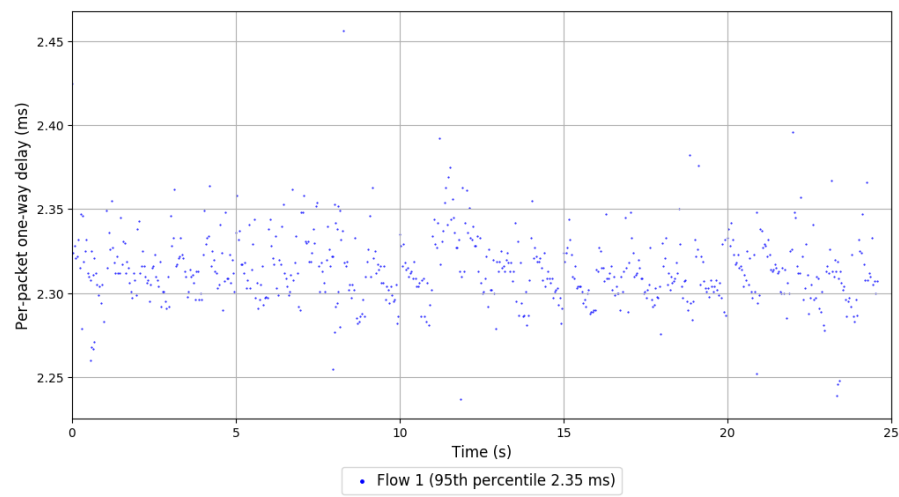
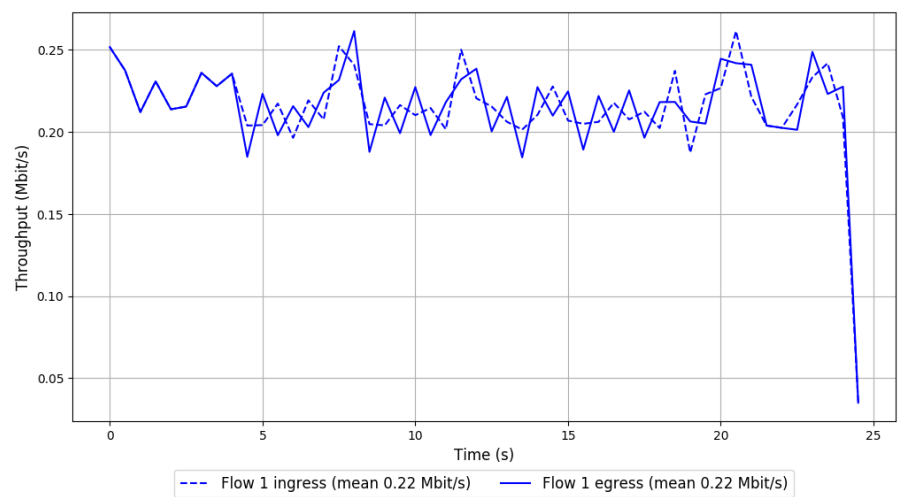
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 2.349 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2017-09-17 21:34:43

End at: 2017-09-17 21:35:13

Local clock offset: -6.99 ms

Remote clock offset: 0.29 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.05 Mbit/s

95th percentile per-packet one-way delay: 2.453 ms

Loss rate: 0.00%

-- Flow 1:

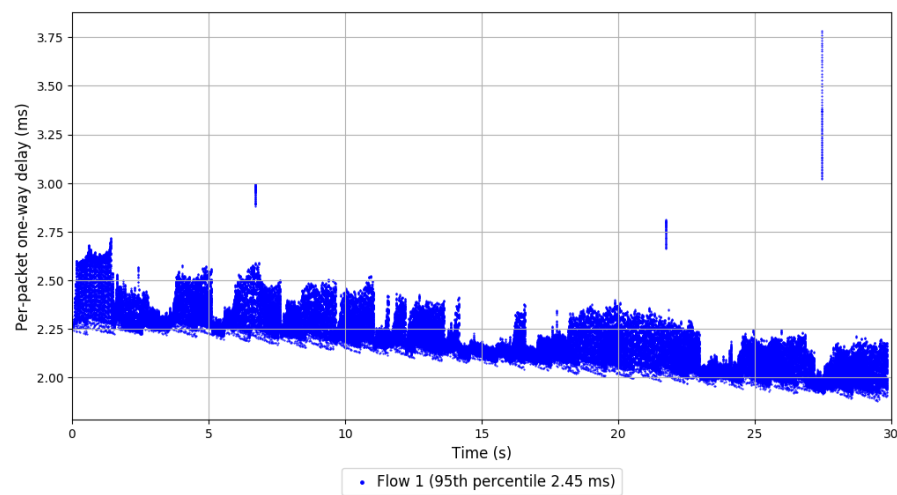
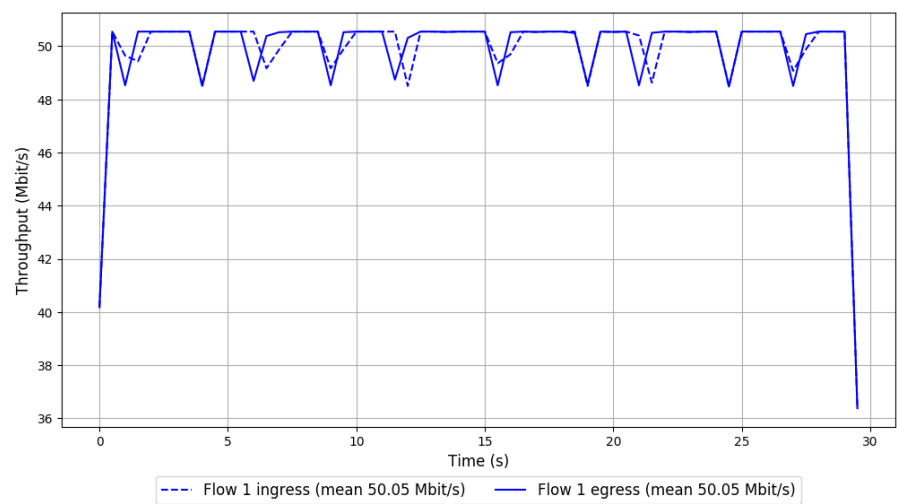
Average throughput: 50.05 Mbit/s

95th percentile per-packet one-way delay: 2.453 ms

Loss rate: 0.00%



Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2017-09-17 21:54:25

End at: 2017-09-17 21:54:55

Local clock offset: -5.1 ms

Remote clock offset: 0.655 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.09 Mbit/s

95th percentile per-packet one-way delay: 2.240 ms

Loss rate: 0.06%

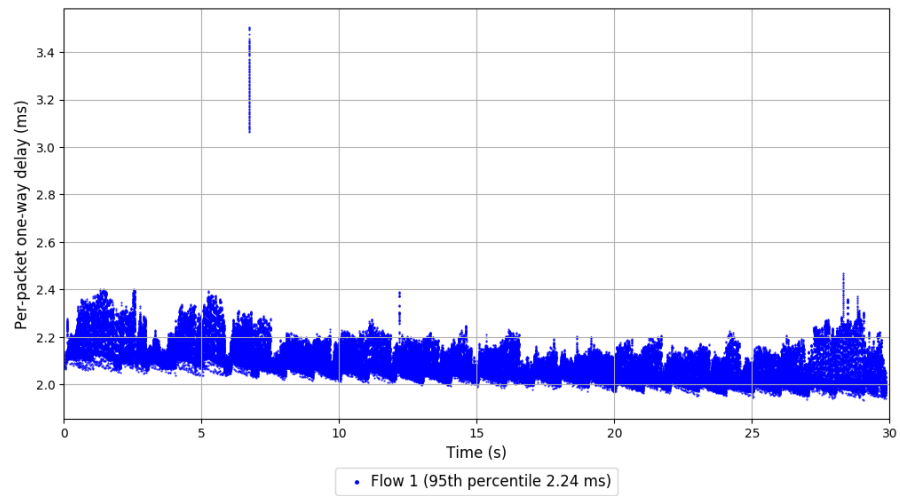
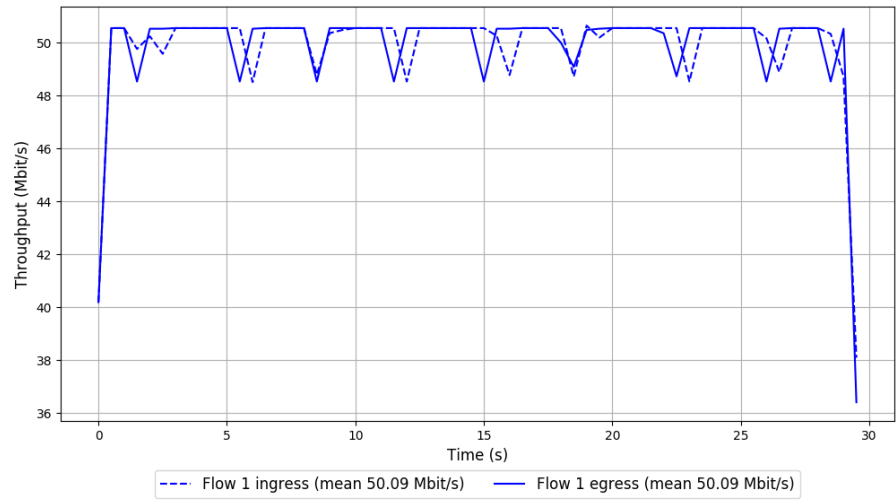
-- Flow 1:

Average throughput: 50.09 Mbit/s

95th percentile per-packet one-way delay: 2.240 ms

Loss rate: 0.06%

## Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2017-09-17 22:14:15

End at: 2017-09-17 22:14:45

Local clock offset: -3.565 ms

Remote clock offset: 0.851 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.08 Mbit/s

95th percentile per-packet one-way delay: 2.644 ms

Loss rate: 0.07%

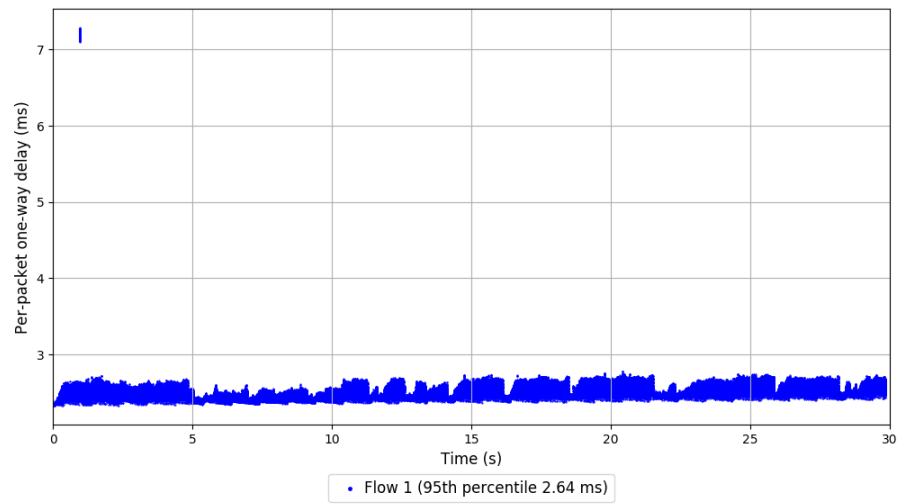
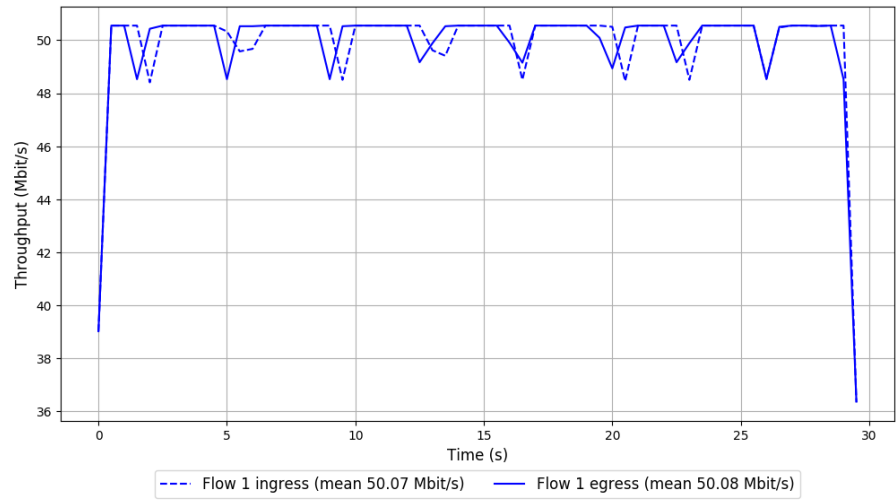
-- Flow 1:

Average throughput: 50.08 Mbit/s

95th percentile per-packet one-way delay: 2.644 ms

Loss rate: 0.07%

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

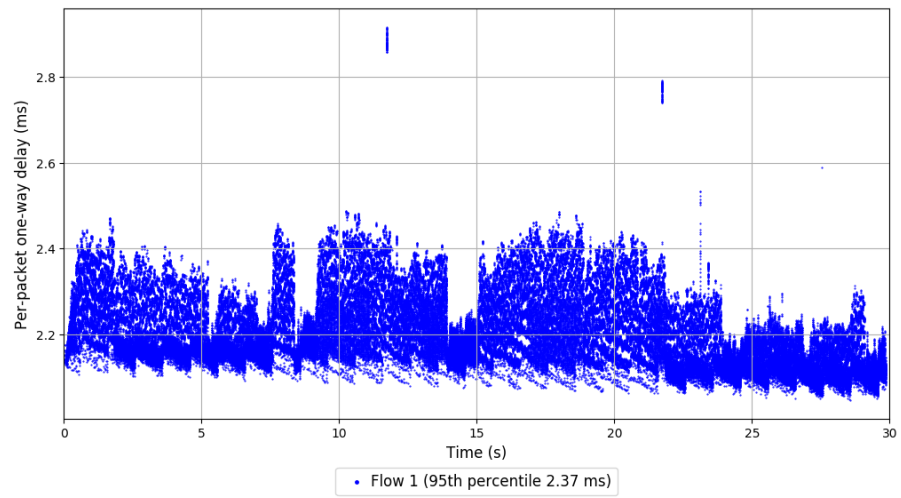
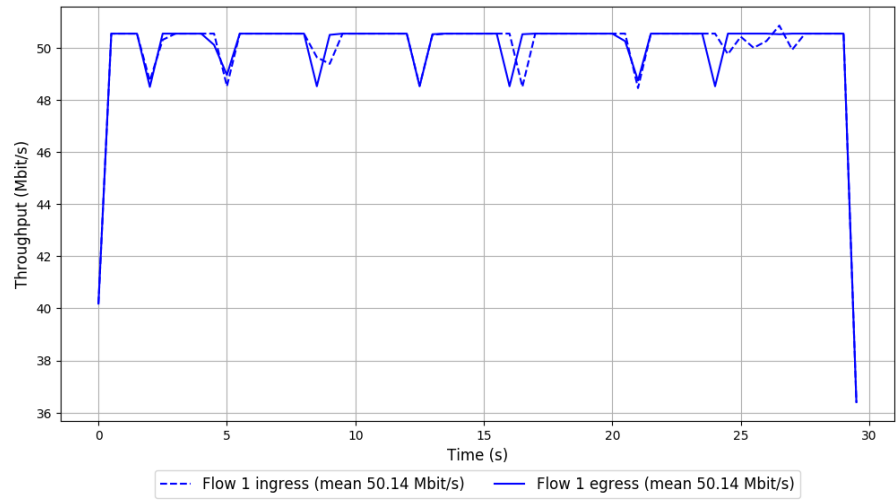


Run 4: Statistics of Sprout

Start at: 2017-09-17 22:34:00  
End at: 2017-09-17 22:34:31  
Local clock offset: -4.829 ms  
Remote clock offset: 0.8 ms

# Below is generated by plot.py at 2017-09-18 05:53:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.14 Mbit/s  
95th percentile per-packet one-way delay: 2.370 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.14 Mbit/s  
95th percentile per-packet one-way delay: 2.370 ms  
Loss rate: 0.00%

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



Run 5: Statistics of Sprout

Start at: 2017-09-17 22:53:49

End at: 2017-09-17 22:54:19

Local clock offset: -3.956 ms

Remote clock offset: 0.69 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.03 Mbit/s

95th percentile per-packet one-way delay: 2.550 ms

Loss rate: 0.00%

-- Flow 1:

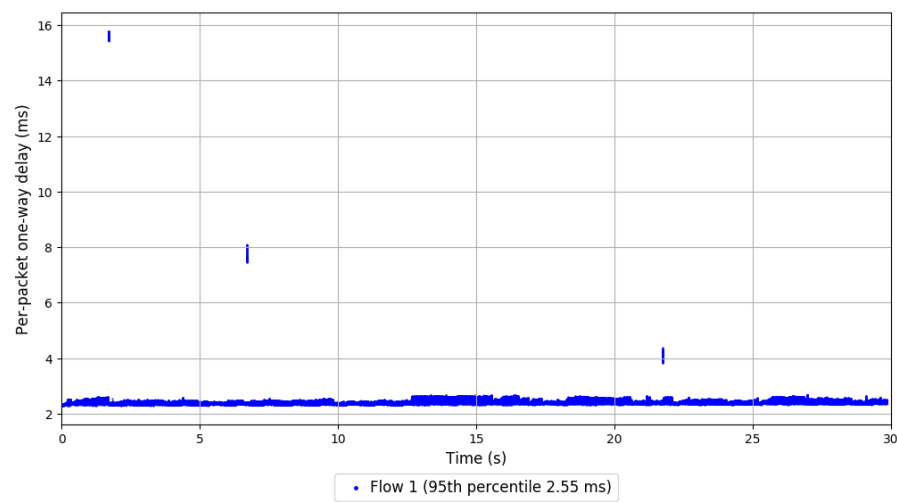
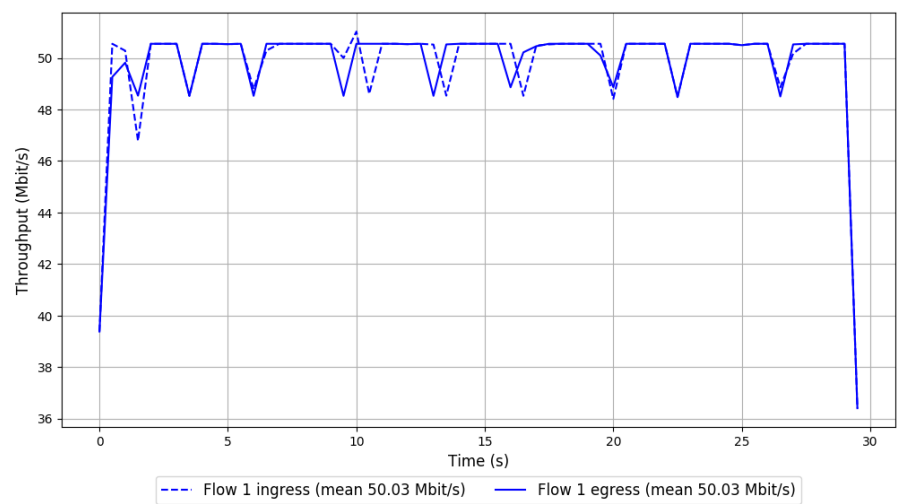
Average throughput: 50.03 Mbit/s

95th percentile per-packet one-way delay: 2.550 ms

Loss rate: 0.00%



Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: 2017-09-17 23:13:33

End at: 2017-09-17 23:14:03

Local clock offset: -4.213 ms

Remote clock offset: 0.583 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.14 Mbit/s

95th percentile per-packet one-way delay: 2.448 ms

Loss rate: 0.00%

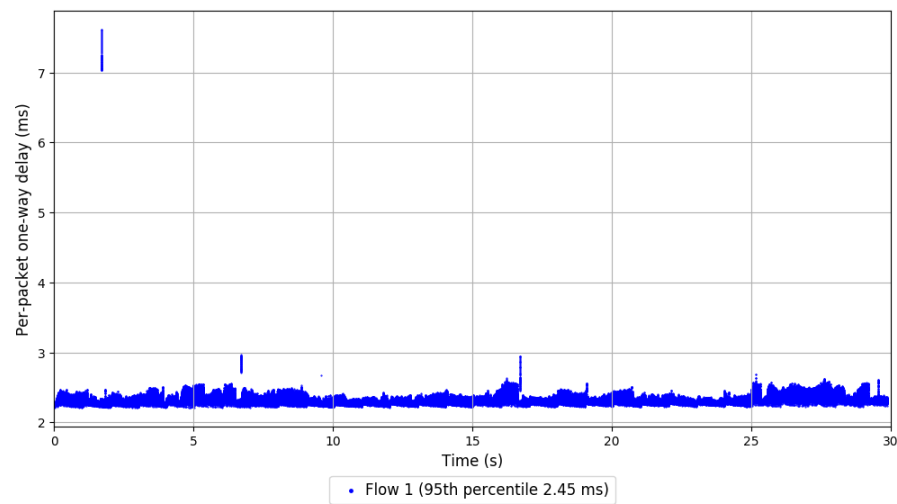
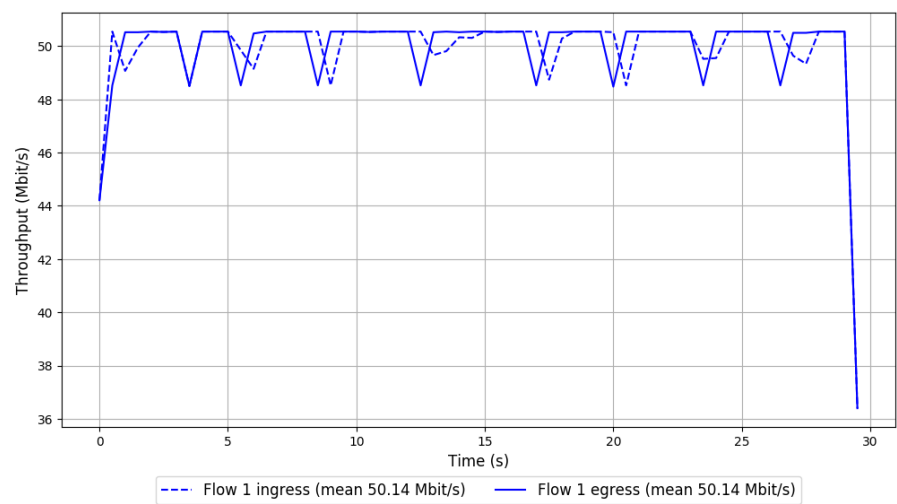
-- Flow 1:

Average throughput: 50.14 Mbit/s

95th percentile per-packet one-way delay: 2.448 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link

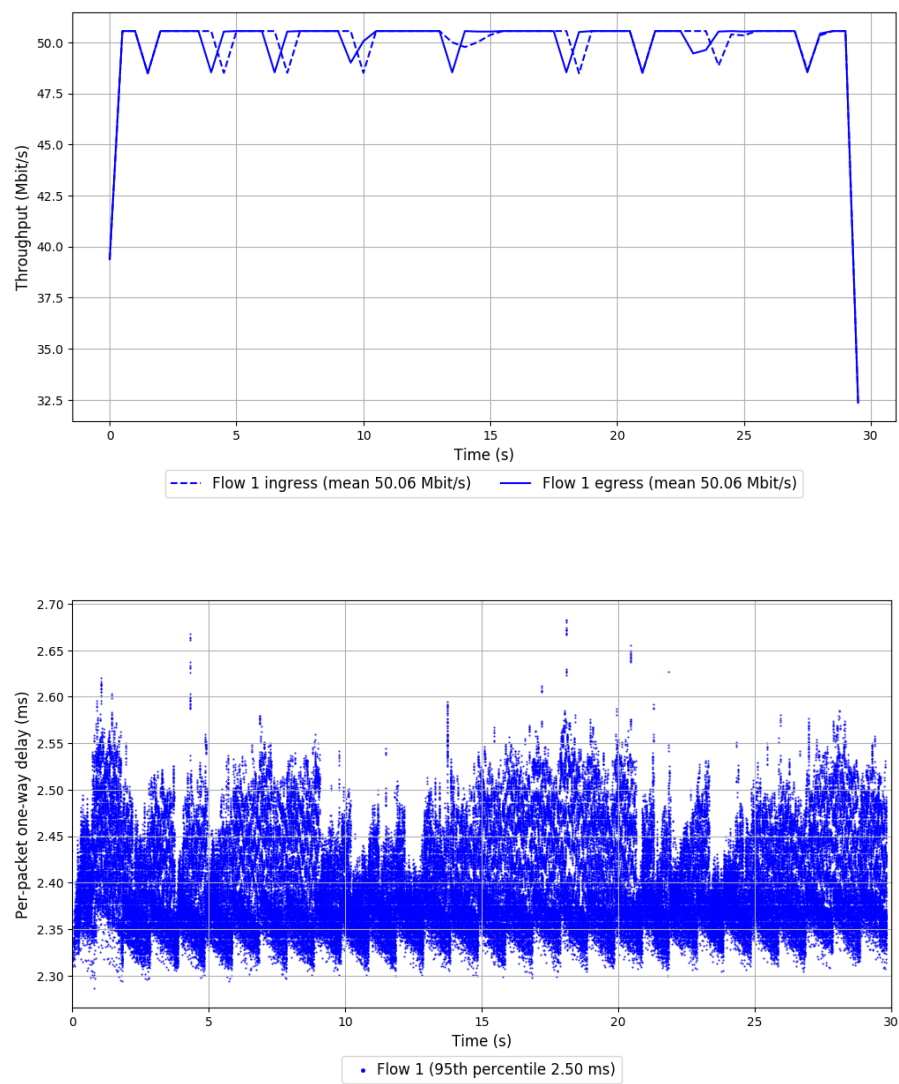


Run 7: Statistics of Sprout

Start at: 2017-09-17 23:32:18  
End at: 2017-09-17 23:32:48  
Local clock offset: -5.433 ms  
Remote clock offset: 0.458 ms

# Below is generated by plot.py at 2017-09-18 05:53:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.06 Mbit/s  
95th percentile per-packet one-way delay: 2.499 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 50.06 Mbit/s  
95th percentile per-packet one-way delay: 2.499 ms  
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: 2017-09-17 23:52:02

End at: 2017-09-17 23:52:32

Local clock offset: -5.654 ms

Remote clock offset: 0.322 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.12 Mbit/s

95th percentile per-packet one-way delay: 2.417 ms

Loss rate: 0.00%

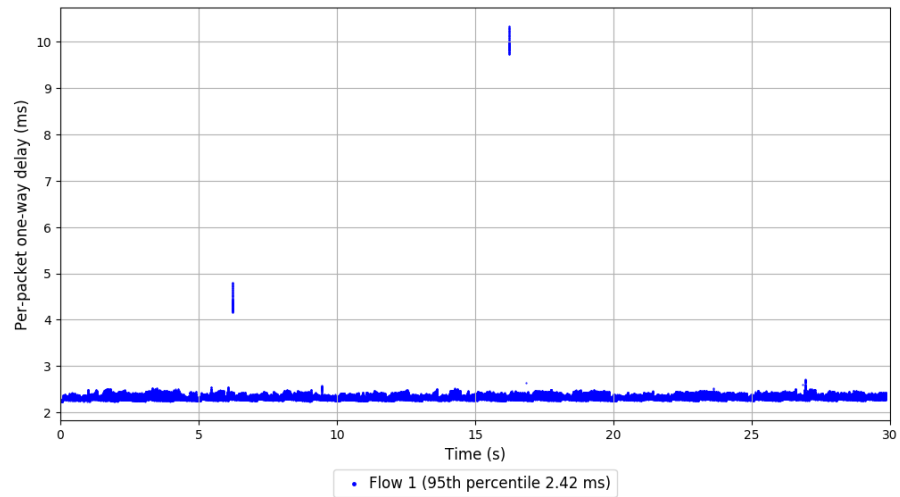
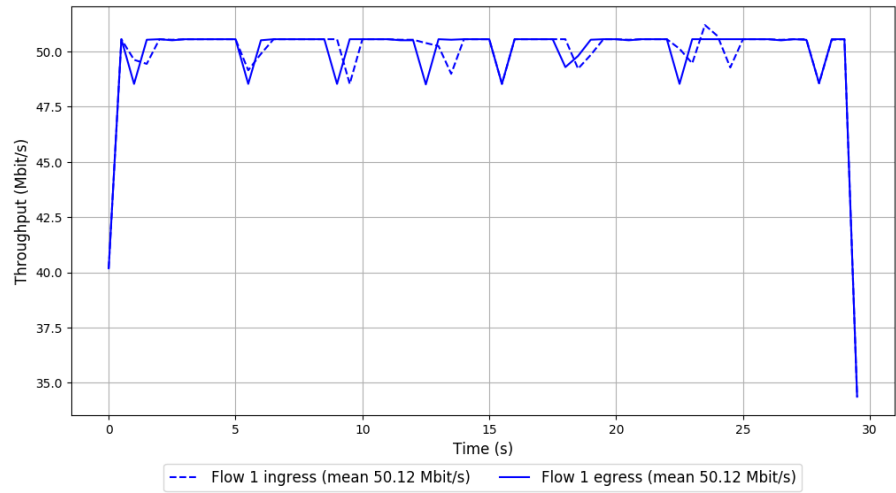
-- Flow 1:

Average throughput: 50.12 Mbit/s

95th percentile per-packet one-way delay: 2.417 ms

Loss rate: 0.00%

## Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: 2017-09-18 00:11:49

End at: 2017-09-18 00:12:19

Local clock offset: -5.355 ms

Remote clock offset: 0.157 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.13 Mbit/s

95th percentile per-packet one-way delay: 2.395 ms

Loss rate: 0.07%

-- Flow 1:

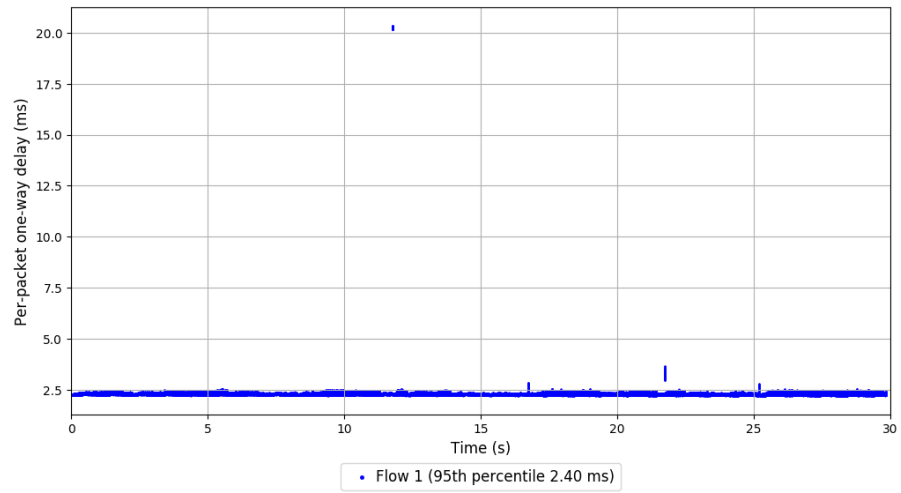
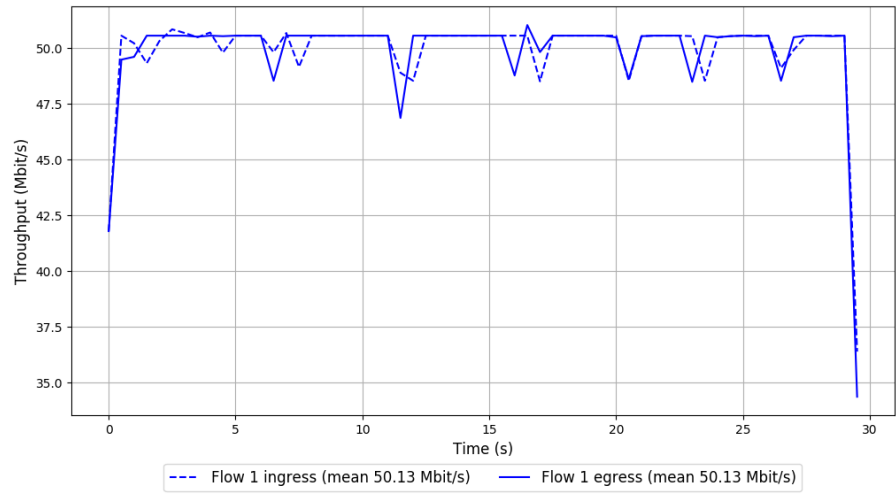
Average throughput: 50.13 Mbit/s

95th percentile per-packet one-way delay: 2.395 ms

Loss rate: 0.07%



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



Run 10: Statistics of Sprout

Start at: 2017-09-18 00:31:24

End at: 2017-09-18 00:31:54

Local clock offset: -4.828 ms

Remote clock offset: 0.049 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.17 Mbit/s

95th percentile per-packet one-way delay: 2.521 ms

Loss rate: 0.00%

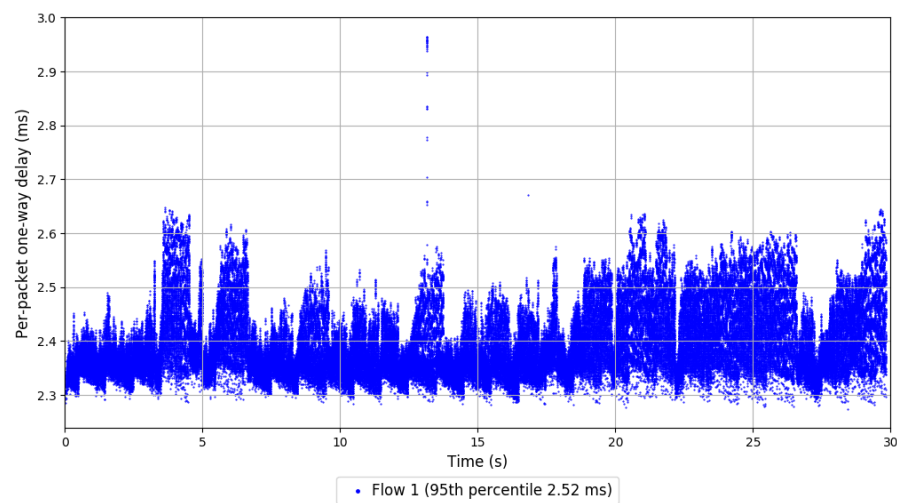
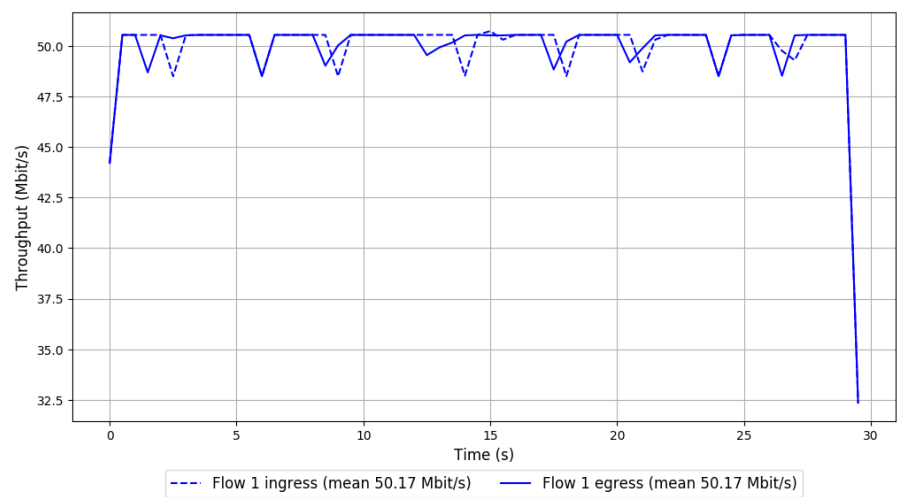
-- Flow 1:

Average throughput: 50.17 Mbit/s

95th percentile per-packet one-way delay: 2.521 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link

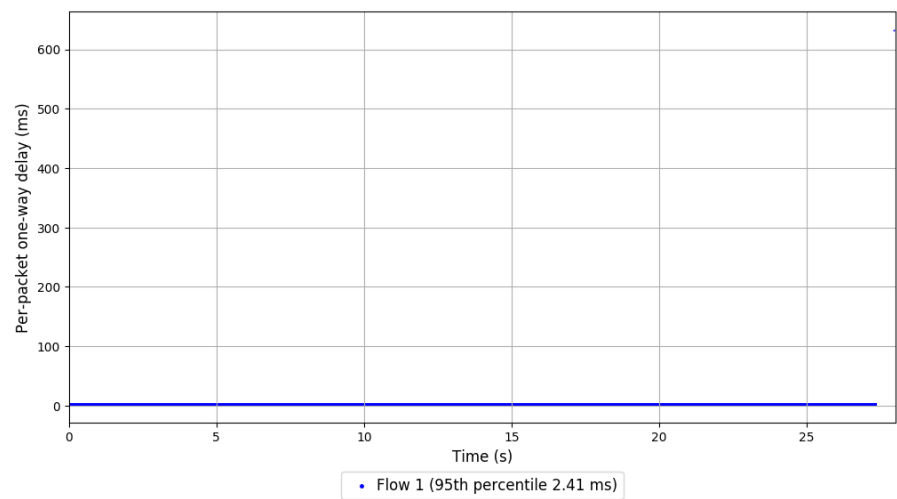
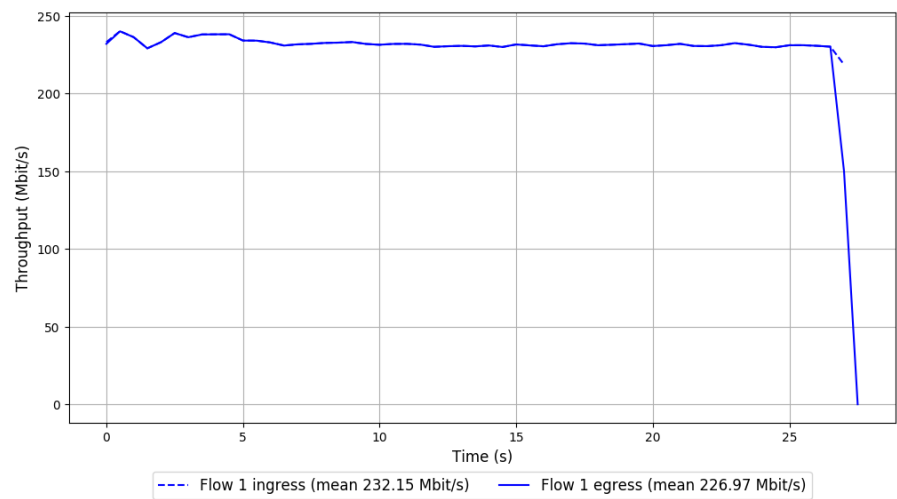


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-09-17 21:21:21
End at: 2017-09-17 21:21:51
Local clock offset: -13.973 ms
Remote clock offset: 0.06 ms

# Below is generated by plot.py at 2017-09-18 05:53:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 226.97 Mbit/s
95th percentile per-packet one-way delay: 2.411 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 226.97 Mbit/s
95th percentile per-packet one-way delay: 2.411 ms
Loss rate: 0.55%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2017-09-17 21:41:18

End at: 2017-09-17 21:41:48

Local clock offset: -5.626 ms

Remote clock offset: 0.418 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 115.85 Mbit/s

95th percentile per-packet one-way delay: 2.427 ms

Loss rate: 0.06%

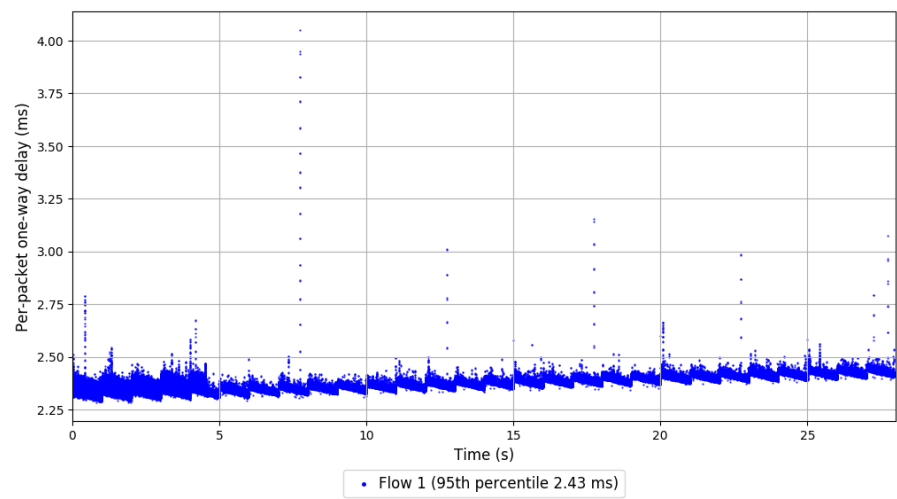
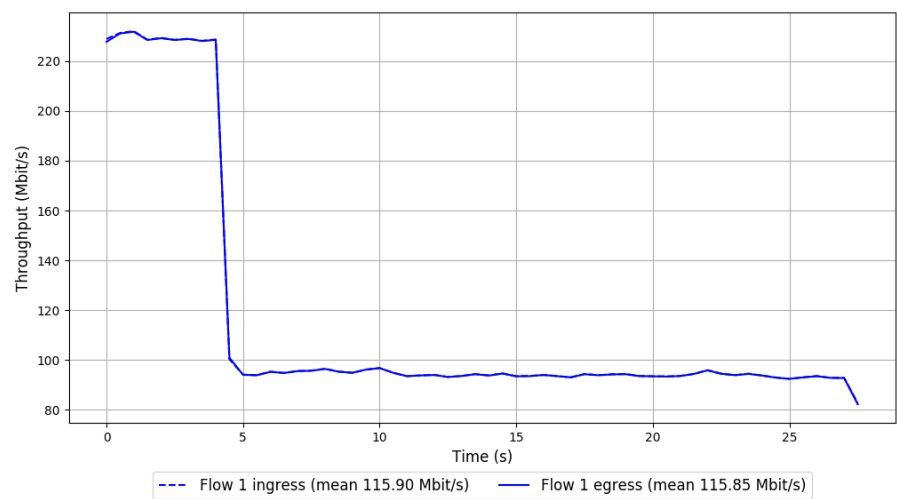
-- Flow 1:

Average throughput: 115.85 Mbit/s

95th percentile per-packet one-way delay: 2.427 ms

Loss rate: 0.06%

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



Run 3: Statistics of TaoVA-100x

Start at: 2017-09-17 22:00:57

End at: 2017-09-17 22:01:27

Local clock offset: -3.181 ms

Remote clock offset: 0.695 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 128.11 Mbit/s

95th percentile per-packet one-way delay: 2.373 ms

Loss rate: 0.01%

-- Flow 1:

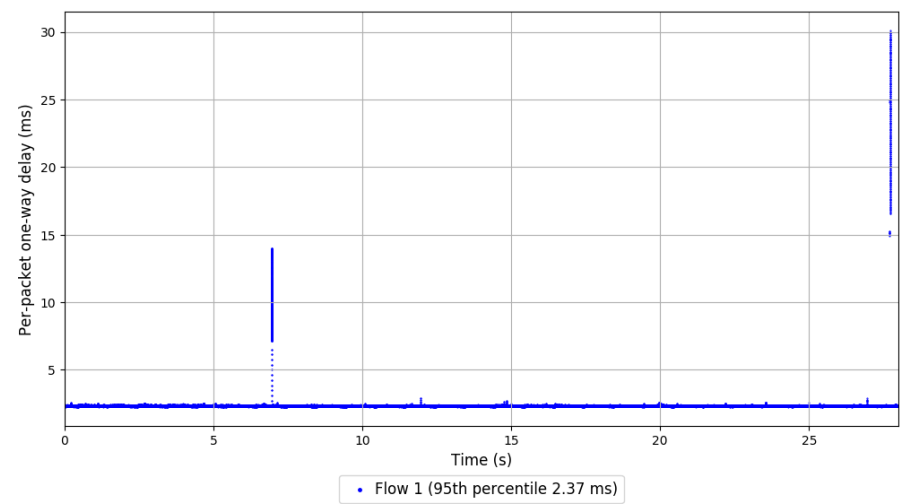
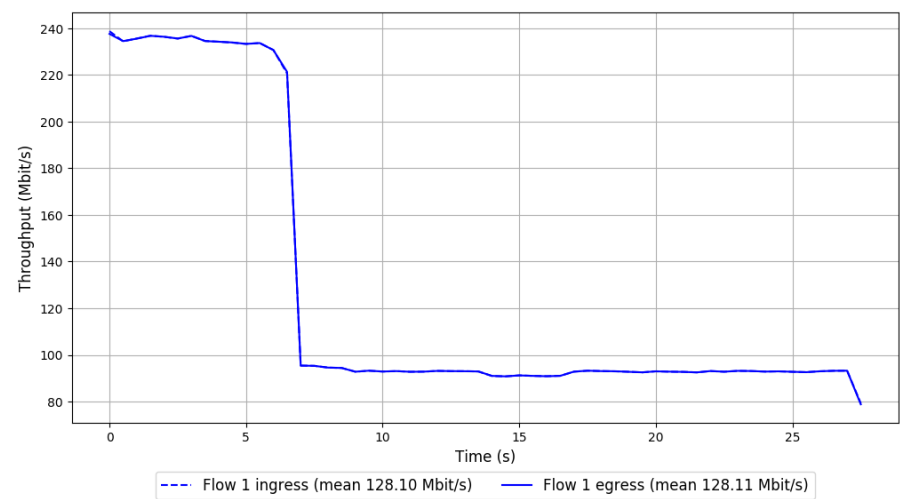
Average throughput: 128.11 Mbit/s

95th percentile per-packet one-way delay: 2.373 ms

Loss rate: 0.01%



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



Run 4: Statistics of TaoVA-100x

Start at: 2017-09-17 22:20:45

End at: 2017-09-17 22:21:15

Local clock offset: -4.484 ms

Remote clock offset: 0.812 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 108.82 Mbit/s

95th percentile per-packet one-way delay: 2.400 ms

Loss rate: 0.01%

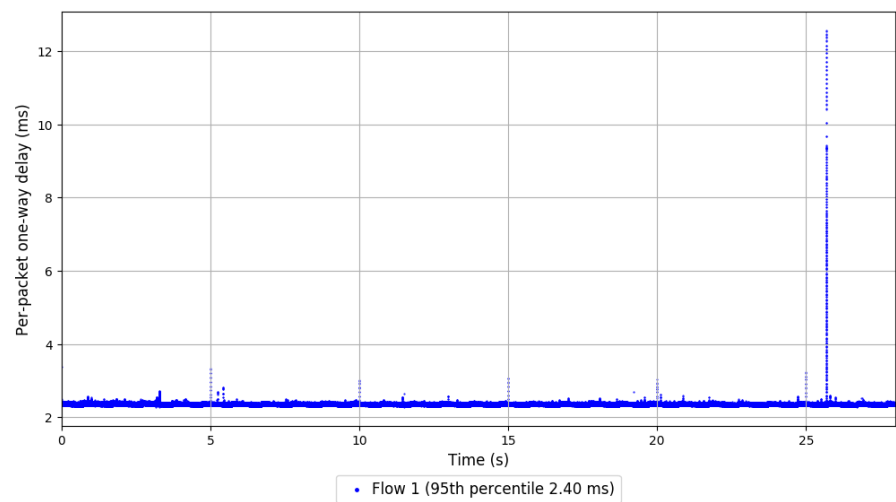
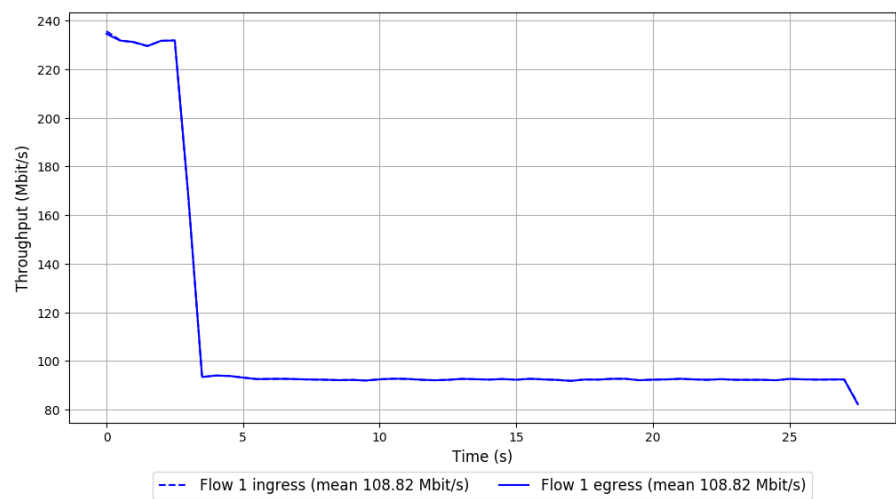
-- Flow 1:

Average throughput: 108.82 Mbit/s

95th percentile per-packet one-way delay: 2.400 ms

Loss rate: 0.01%

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



Run 5: Statistics of TaoVA-100x

Start at: 2017-09-17 22:40:29

End at: 2017-09-17 22:40:59

Local clock offset: -3.949 ms

Remote clock offset: 0.728 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 229.97 Mbit/s

95th percentile per-packet one-way delay: 2.254 ms

Loss rate: 0.02%

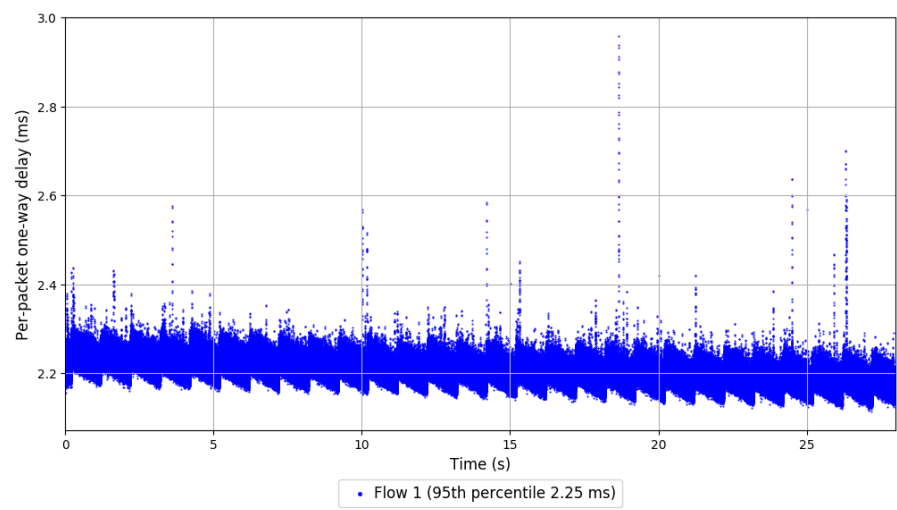
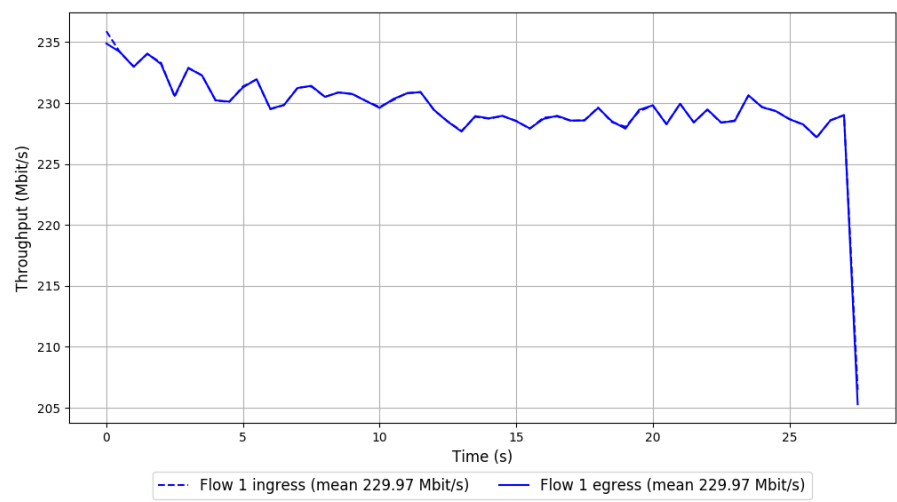
-- Flow 1:

Average throughput: 229.97 Mbit/s

95th percentile per-packet one-way delay: 2.254 ms

Loss rate: 0.02%

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



Run 6: Statistics of TaoVA-100x

Start at: 2017-09-17 23:00:17

End at: 2017-09-17 23:00:47

Local clock offset: -3.737 ms

Remote clock offset: 0.783 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 186.71 Mbit/s

95th percentile per-packet one-way delay: 2.349 ms

Loss rate: 0.01%

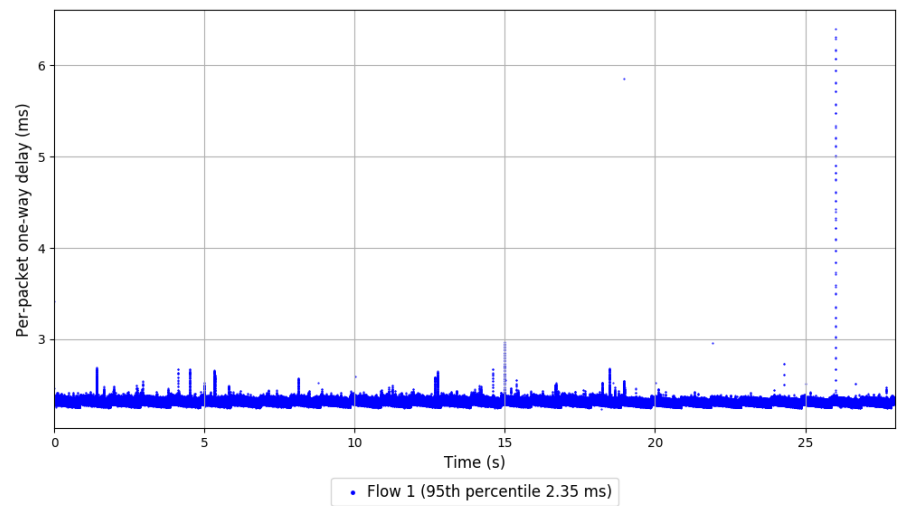
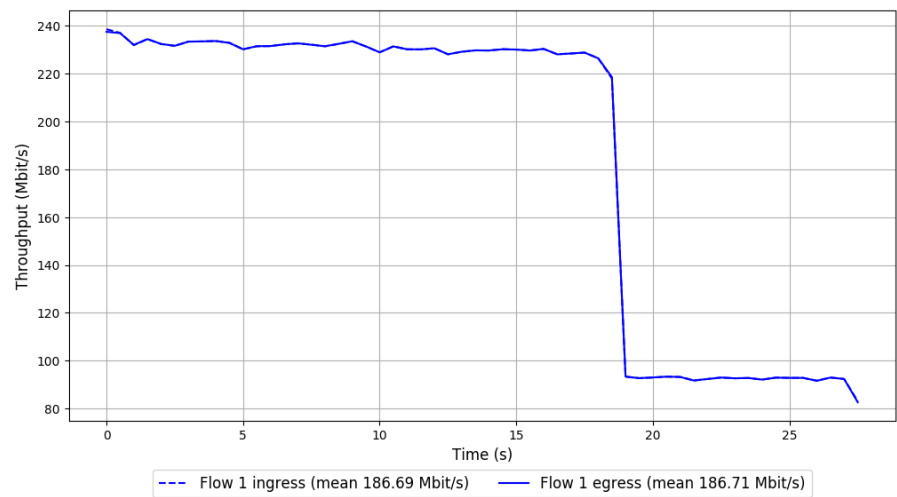
-- Flow 1:

Average throughput: 186.71 Mbit/s

95th percentile per-packet one-way delay: 2.349 ms

Loss rate: 0.01%

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



Run 7: Statistics of TaoVA-100x

Start at: 2017-09-17 23:19:55

End at: 2017-09-17 23:20:25

Local clock offset: -4.476 ms

Remote clock offset: 0.546 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 104.99 Mbit/s

95th percentile per-packet one-way delay: 2.381 ms

Loss rate: 0.01%

-- Flow 1:

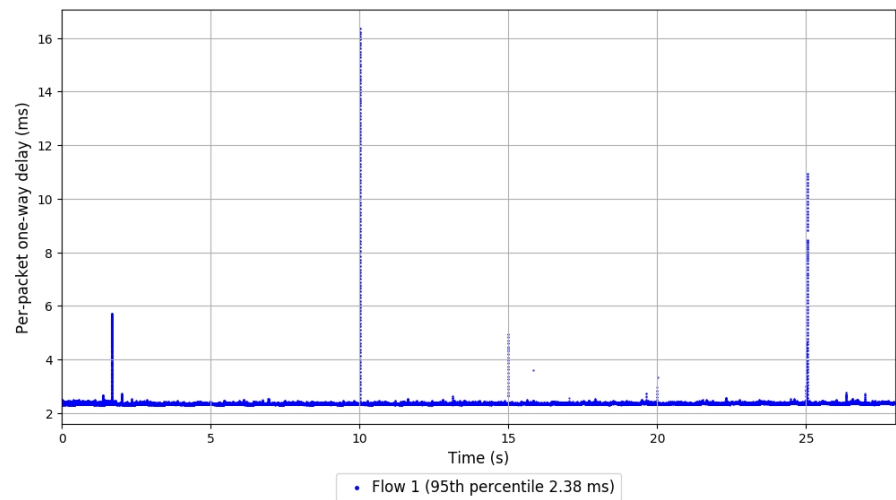
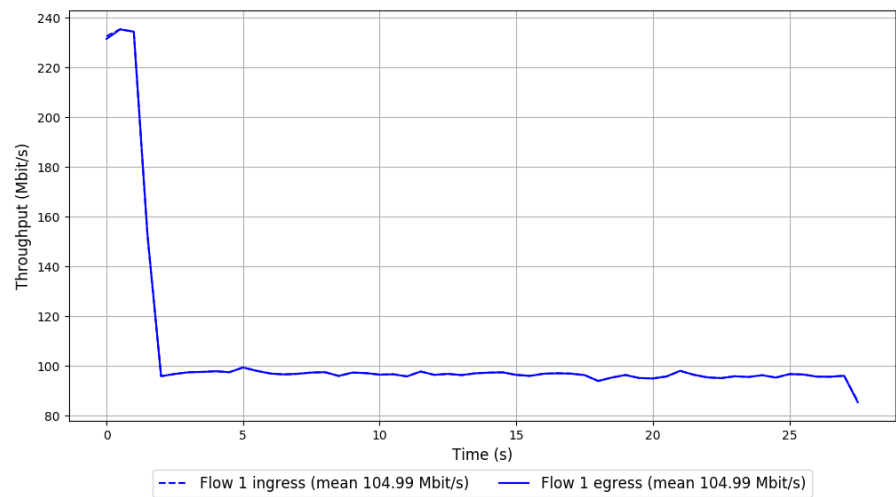
Average throughput: 104.99 Mbit/s

95th percentile per-packet one-way delay: 2.381 ms

Loss rate: 0.01%



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

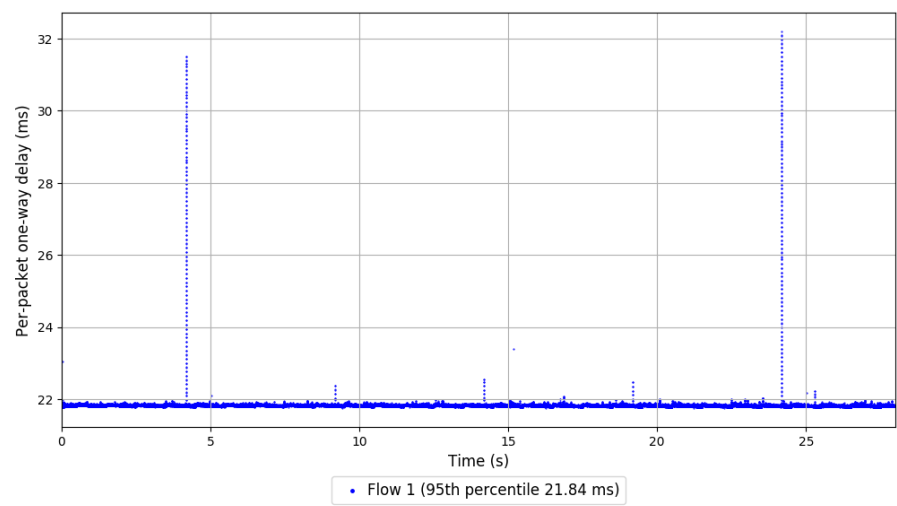
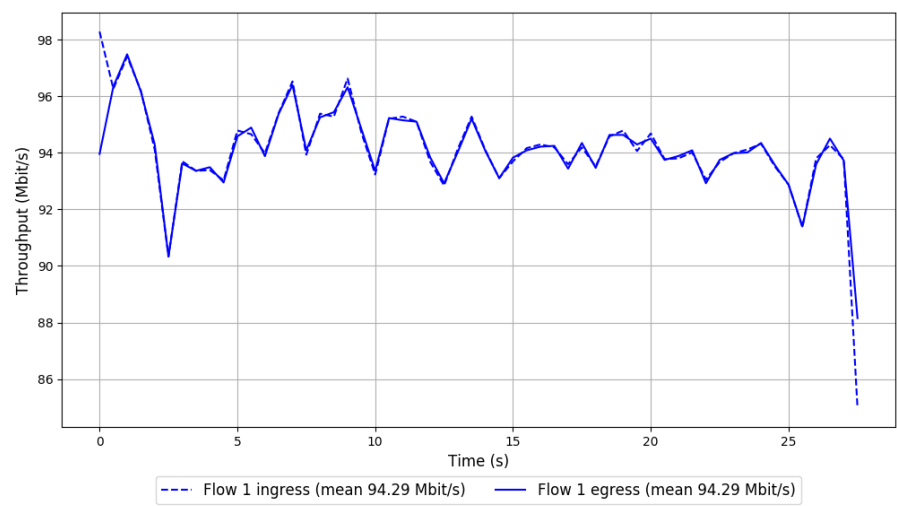


Run 8: Statistics of TaoVA-100x

Start at: 2017-09-17 23:38:37  
End at: 2017-09-17 23:39:07  
Local clock offset: -5.562 ms  
Remote clock offset: -19.121 ms

# Below is generated by plot.py at 2017-09-18 05:53:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.29 Mbit/s  
95th percentile per-packet one-way delay: 21.838 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 94.29 Mbit/s  
95th percentile per-packet one-way delay: 21.838 ms  
Loss rate: 0.02%

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



Run 9: Statistics of TaoVA-100x

Start at: 2017-09-17 23:58:34

End at: 2017-09-17 23:59:04

Local clock offset: -5.905 ms

Remote clock offset: 0.289 ms

# Below is generated by plot.py at 2017-09-18 05:53:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 113.57 Mbit/s

95th percentile per-packet one-way delay: 2.344 ms

Loss rate: 0.01%

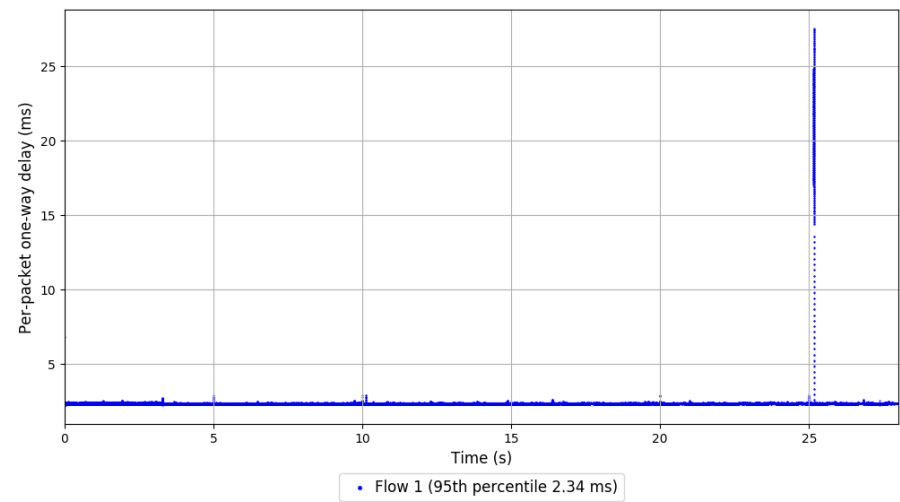
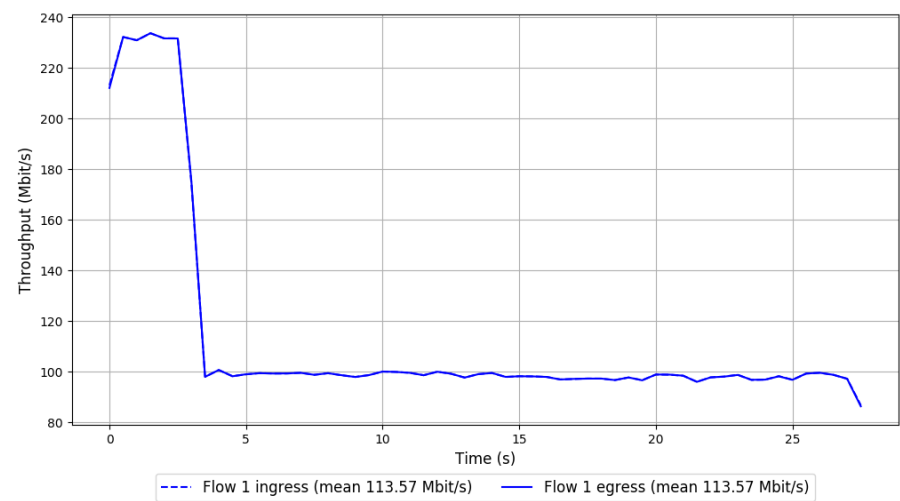
-- Flow 1:

Average throughput: 113.57 Mbit/s

95th percentile per-packet one-way delay: 2.344 ms

Loss rate: 0.01%

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



Run 10: Statistics of TaoVA-100x

Start at: 2017-09-18 00:18:10

End at: 2017-09-18 00:18:40

Local clock offset: -5.094 ms

Remote clock offset: 0.154 ms

# Below is generated by plot.py at 2017-09-18 05:54:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 223.94 Mbit/s

95th percentile per-packet one-way delay: 2.321 ms

Loss rate: 0.01%

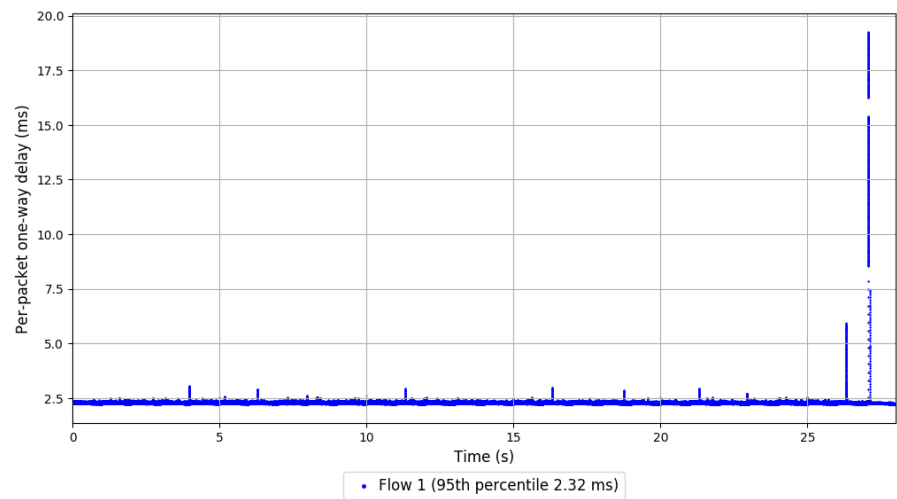
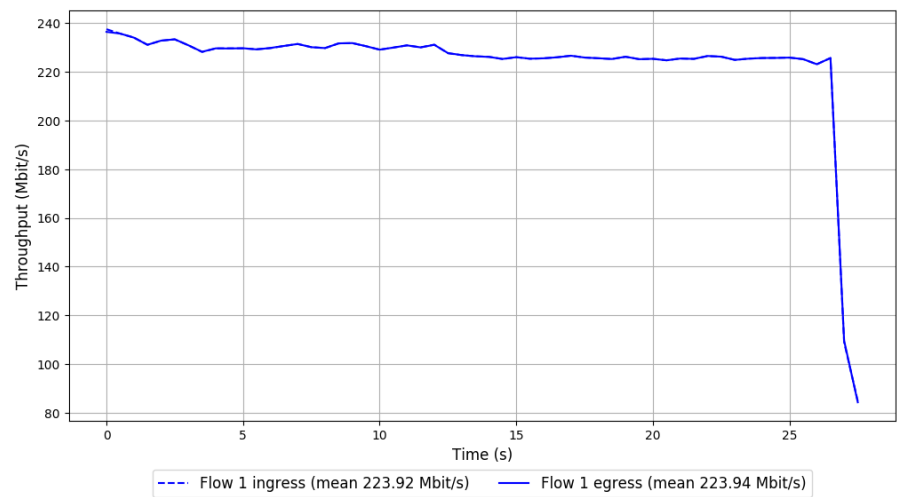
-- Flow 1:

Average throughput: 223.94 Mbit/s

95th percentile per-packet one-way delay: 2.321 ms

Loss rate: 0.01%

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



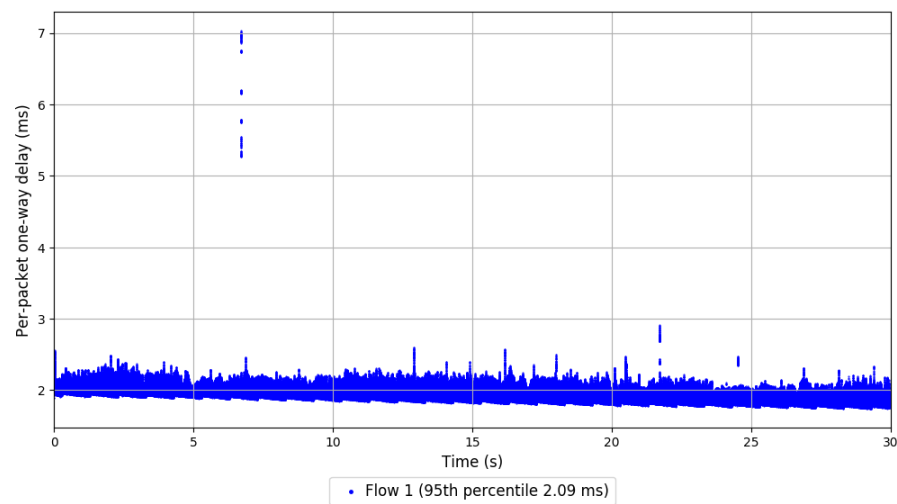
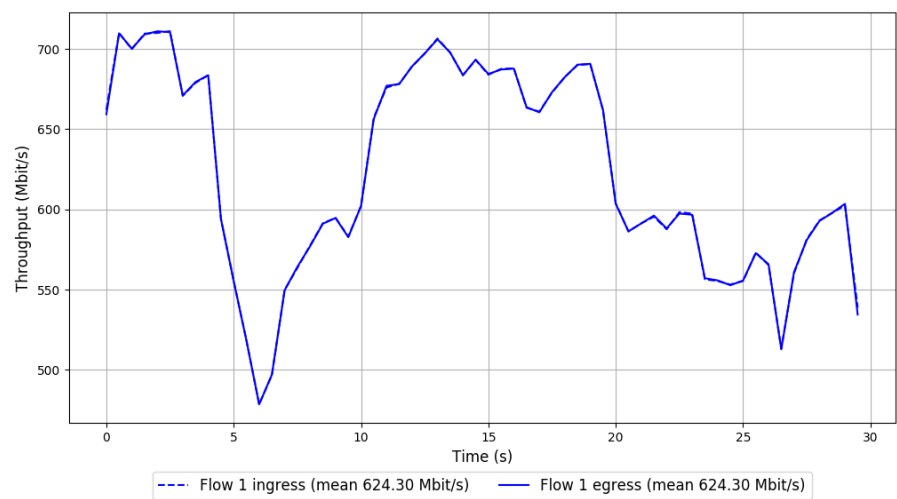
Run 1: Statistics of TCP Vegas

Start at: 2017-09-17 21:19:52  
End at: 2017-09-17 21:20:22  
Local clock offset: -14.589 ms  
Remote clock offset: 0.123 ms

# Below is generated by plot.py at 2017-09-18 06:00:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 624.30 Mbit/s  
95th percentile per-packet one-way delay: 2.091 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 624.30 Mbit/s  
95th percentile per-packet one-way delay: 2.091 ms  
Loss rate: 0.01%



Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: 2017-09-17 21:39:42

End at: 2017-09-17 21:40:13

Local clock offset: -5.418 ms

Remote clock offset: 0.303 ms

# Below is generated by plot.py at 2017-09-18 06:02:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 804.90 Mbit/s

95th percentile per-packet one-way delay: 2.607 ms

Loss rate: 0.02%

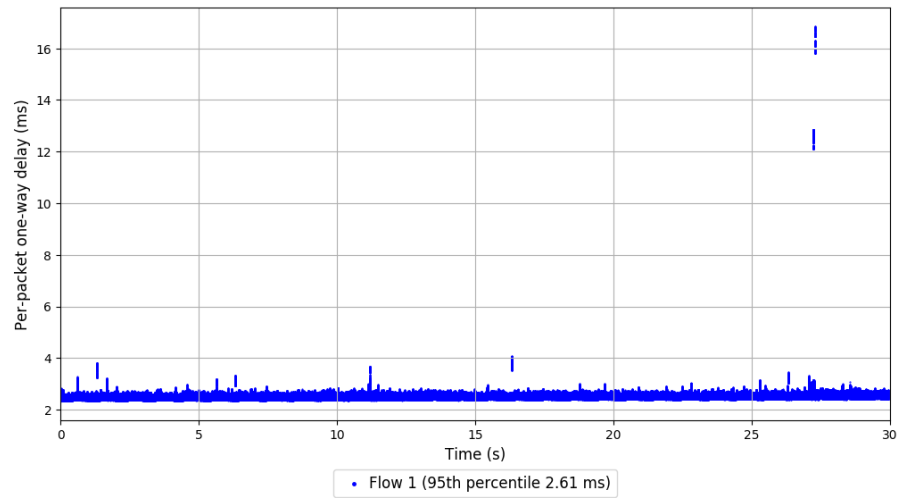
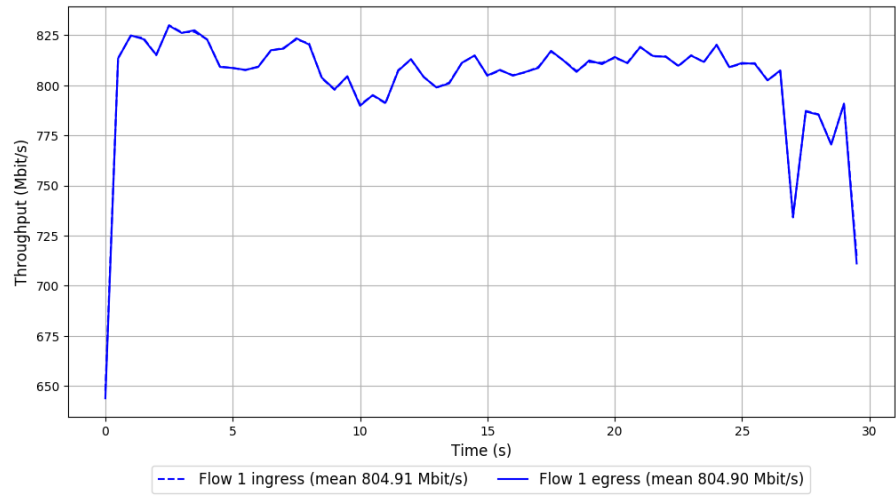
-- Flow 1:

Average throughput: 804.90 Mbit/s

95th percentile per-packet one-way delay: 2.607 ms

Loss rate: 0.02%

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



Run 3: Statistics of TCP Vegas

Start at: 2017-09-17 21:59:26

End at: 2017-09-17 21:59:56

Local clock offset: -3.314 ms

Remote clock offset: 0.745 ms

# Below is generated by plot.py at 2017-09-18 06:02:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 656.35 Mbit/s

95th percentile per-packet one-way delay: 2.379 ms

Loss rate: 0.01%

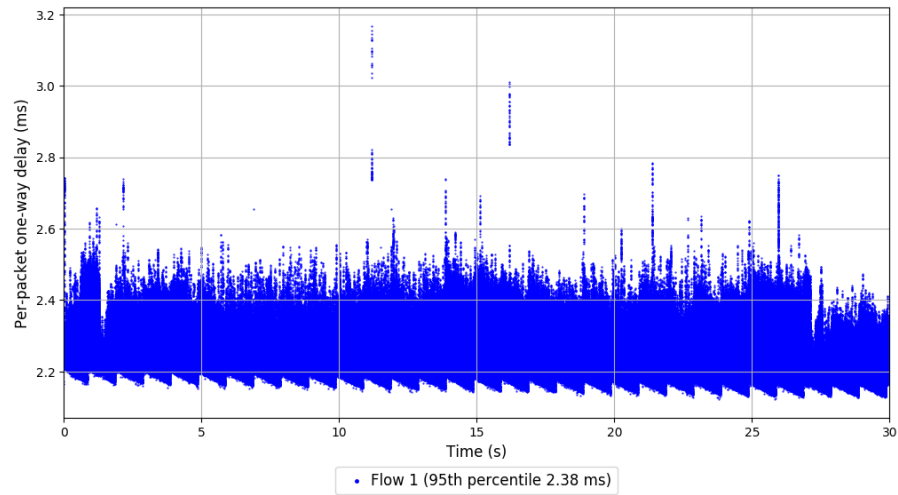
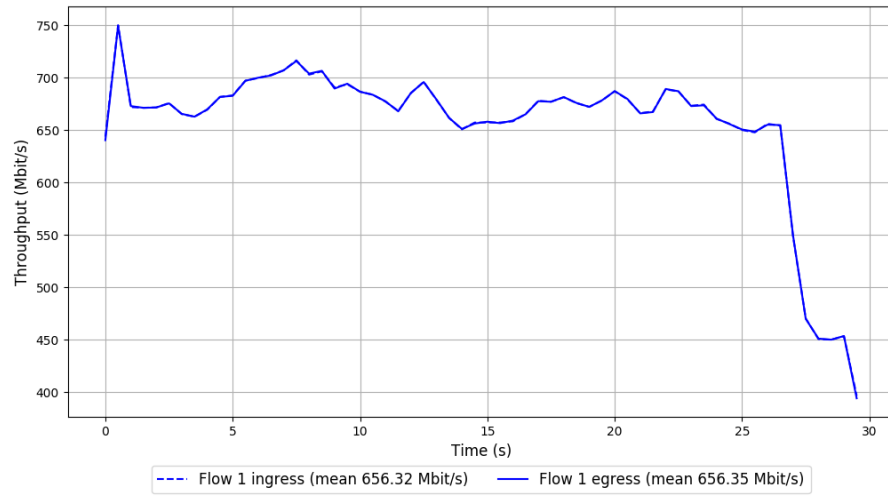
-- Flow 1:

Average throughput: 656.35 Mbit/s

95th percentile per-packet one-way delay: 2.379 ms

Loss rate: 0.01%

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



Run 4: Statistics of TCP Vegas

Start at: 2017-09-17 22:19:19

End at: 2017-09-17 22:19:49

Local clock offset: -4.399 ms

Remote clock offset: 0.865 ms

# Below is generated by plot.py at 2017-09-18 06:02:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 562.11 Mbit/s

95th percentile per-packet one-way delay: 2.989 ms

Loss rate: 0.01%

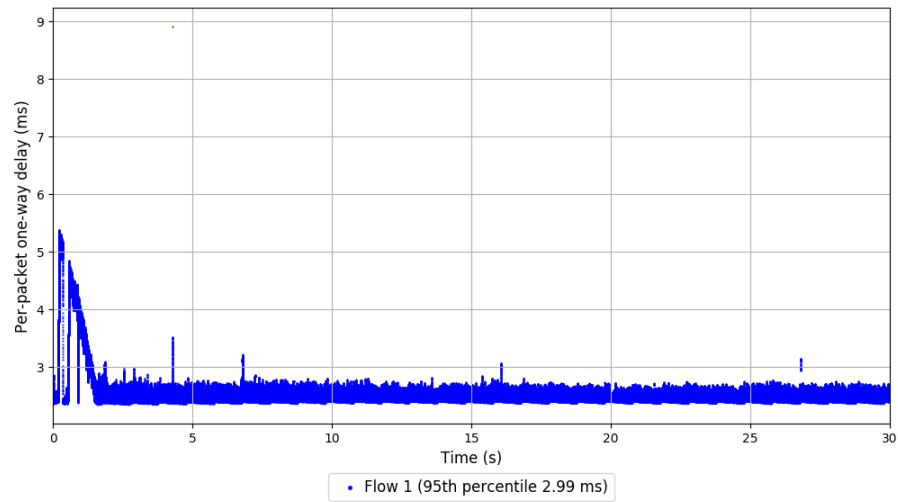
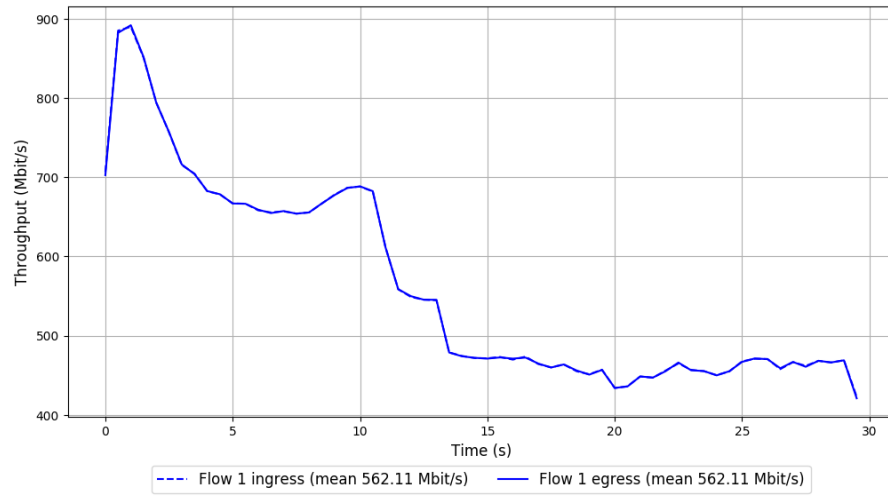
-- Flow 1:

Average throughput: 562.11 Mbit/s

95th percentile per-packet one-way delay: 2.989 ms

Loss rate: 0.01%

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



Run 5: Statistics of TCP Vegas

Start at: 2017-09-17 22:39:00

End at: 2017-09-17 22:39:30

Local clock offset: -4.157 ms

Remote clock offset: 0.722 ms

# Below is generated by plot.py at 2017-09-18 06:02:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 631.92 Mbit/s

95th percentile per-packet one-way delay: 2.372 ms

Loss rate: 0.01%

-- Flow 1:

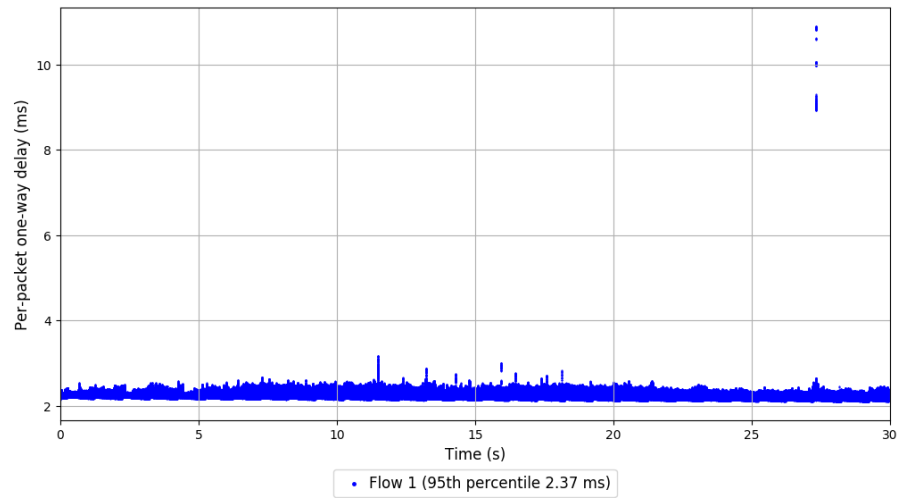
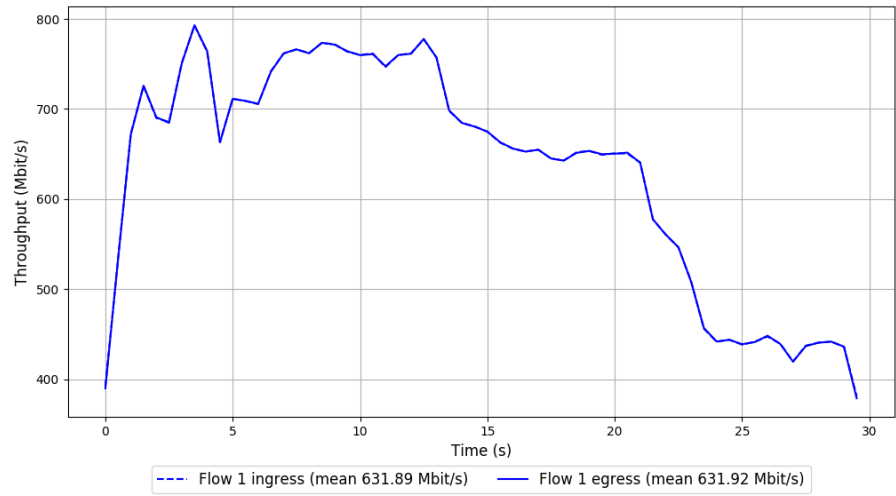
Average throughput: 631.92 Mbit/s

95th percentile per-packet one-way delay: 2.372 ms

Loss rate: 0.01%



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



Run 6: Statistics of TCP Vegas

Start at: 2017-09-17 22:58:56

End at: 2017-09-17 22:59:26

Local clock offset: -3.761 ms

Remote clock offset: 0.779 ms

# Below is generated by plot.py at 2017-09-18 06:02:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 437.76 Mbit/s

95th percentile per-packet one-way delay: 2.503 ms

Loss rate: 0.02%

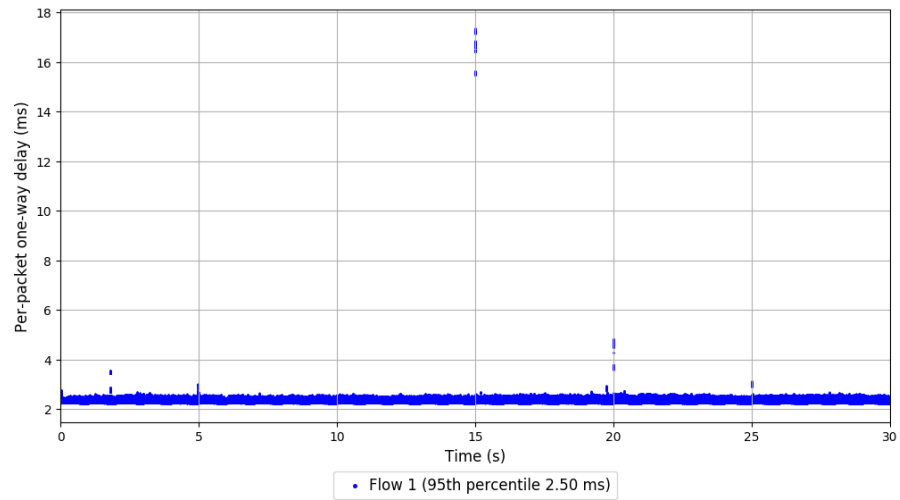
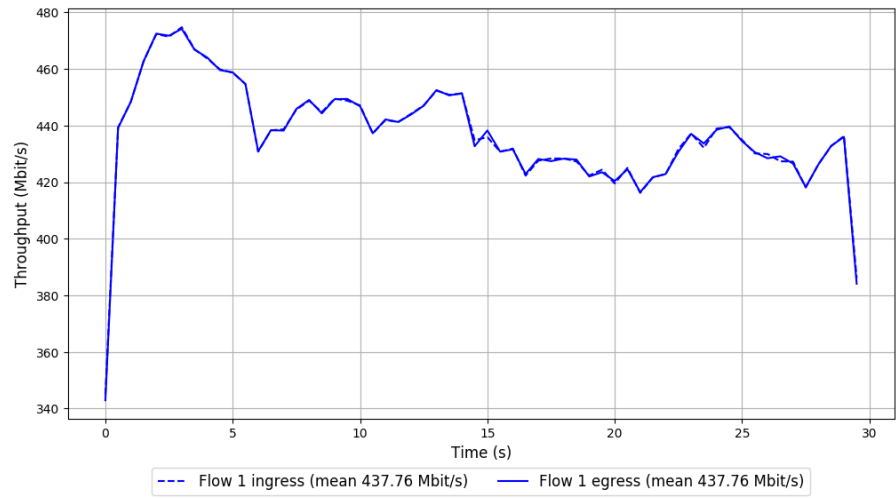
-- Flow 1:

Average throughput: 437.76 Mbit/s

95th percentile per-packet one-way delay: 2.503 ms

Loss rate: 0.02%

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



Run 7: Statistics of TCP Vegas

Start at: 2017-09-17 23:18:37

End at: 2017-09-17 23:19:07

Local clock offset: -4.459 ms

Remote clock offset: 0.574 ms

# Below is generated by plot.py at 2017-09-18 06:02:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 374.21 Mbit/s

95th percentile per-packet one-way delay: 2.445 ms

Loss rate: 0.01%

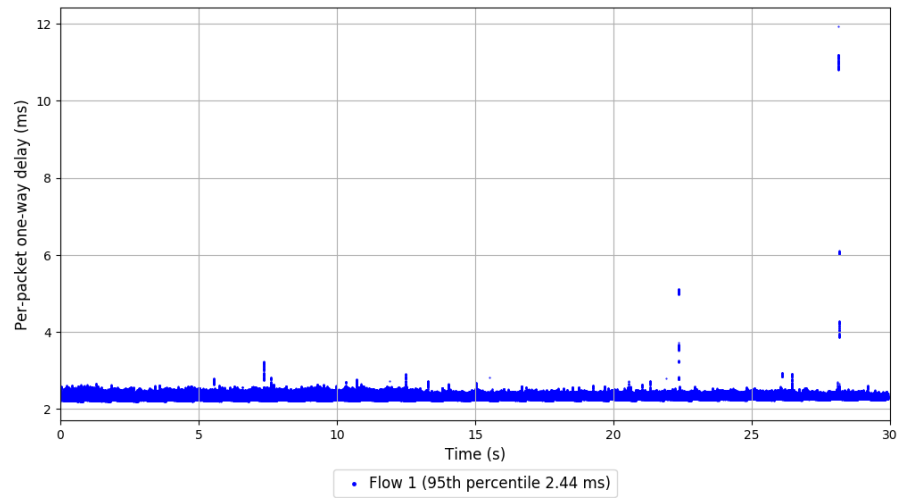
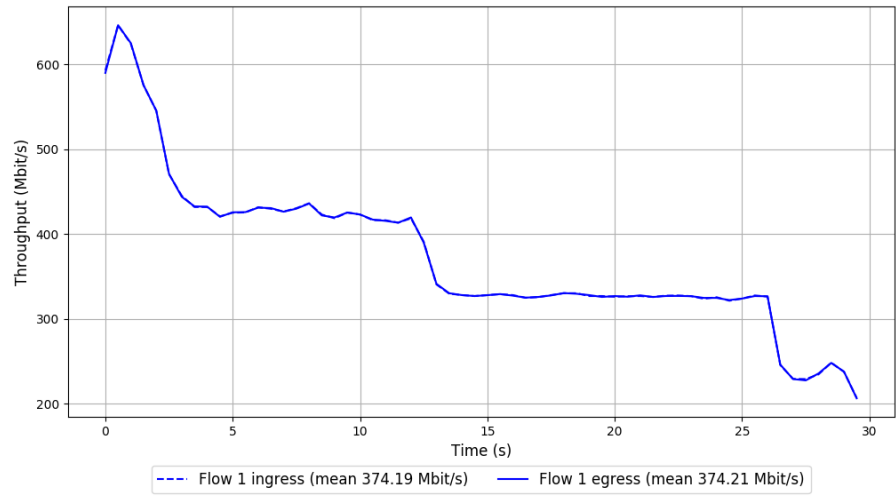
-- Flow 1:

Average throughput: 374.21 Mbit/s

95th percentile per-packet one-way delay: 2.445 ms

Loss rate: 0.01%

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



Run 8: Statistics of TCP Vegas

Start at: 2017-09-17 23:37:20

End at: 2017-09-17 23:37:50

Local clock offset: -5.677 ms

Remote clock offset: 0.468 ms

# Below is generated by plot.py at 2017-09-18 06:02:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 332.73 Mbit/s

95th percentile per-packet one-way delay: 2.286 ms

Loss rate: 0.02%

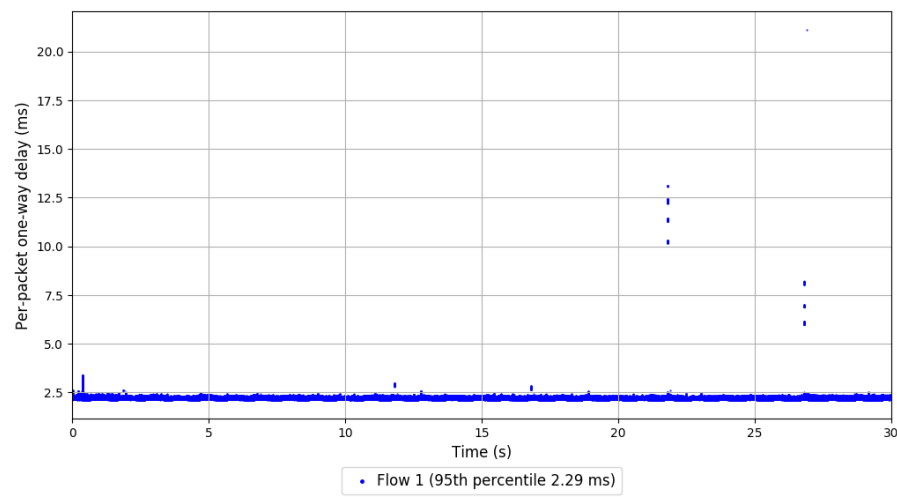
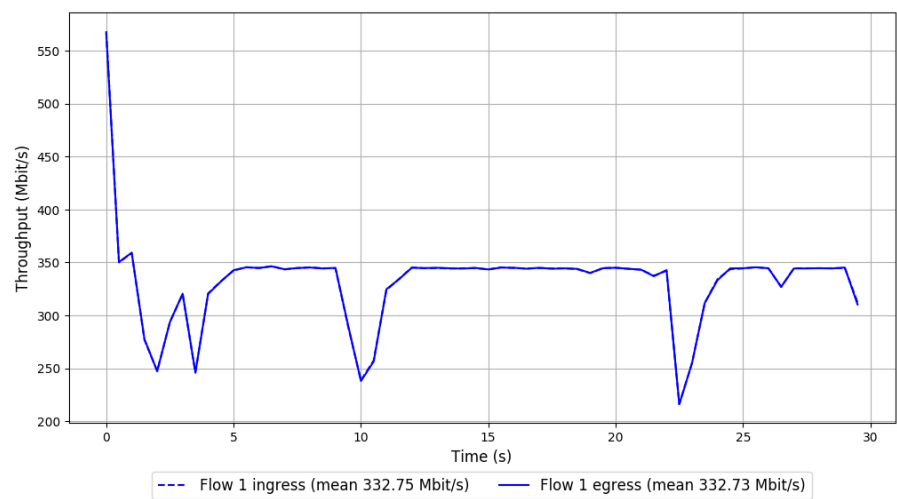
-- Flow 1:

Average throughput: 332.73 Mbit/s

95th percentile per-packet one-way delay: 2.286 ms

Loss rate: 0.02%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2017-09-17 23:57:06

End at: 2017-09-17 23:57:36

Local clock offset: -5.814 ms

Remote clock offset: 0.241 ms

# Below is generated by plot.py at 2017-09-18 06:07:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 603.75 Mbit/s

95th percentile per-packet one-way delay: 2.590 ms

Loss rate: 0.01%

-- Flow 1:

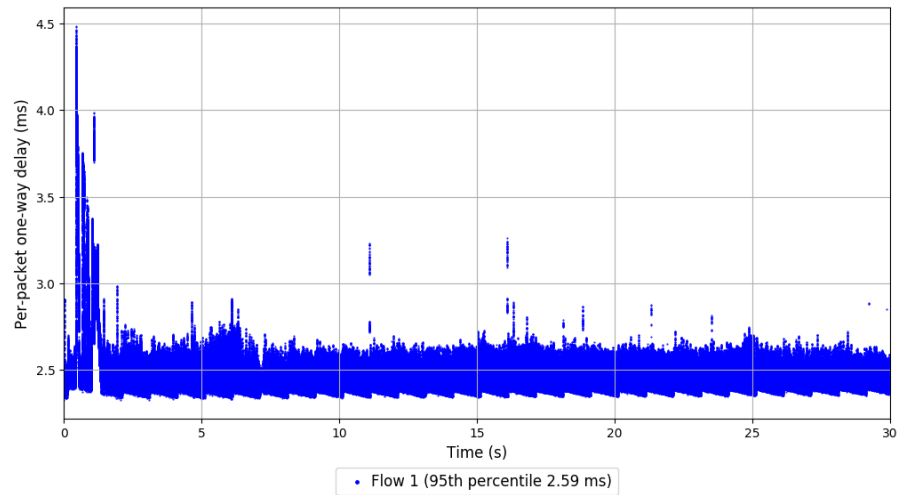
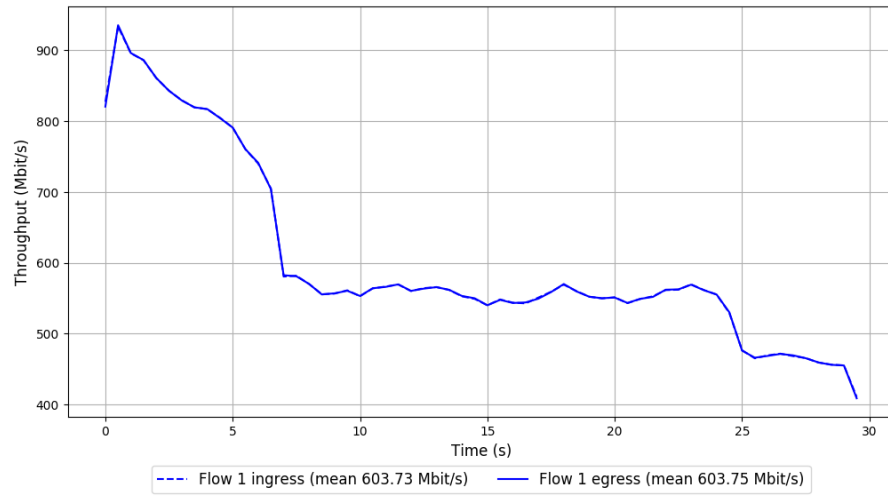
Average throughput: 603.75 Mbit/s

95th percentile per-packet one-way delay: 2.590 ms

Loss rate: 0.01%



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



Run 10: Statistics of TCP Vegas

Start at: 2017-09-18 00:16:54

End at: 2017-09-18 00:17:24

Local clock offset: -5.197 ms

Remote clock offset: 0.154 ms

# Below is generated by plot.py at 2017-09-18 06:07:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 294.77 Mbit/s

95th percentile per-packet one-way delay: 2.345 ms

Loss rate: 0.02%

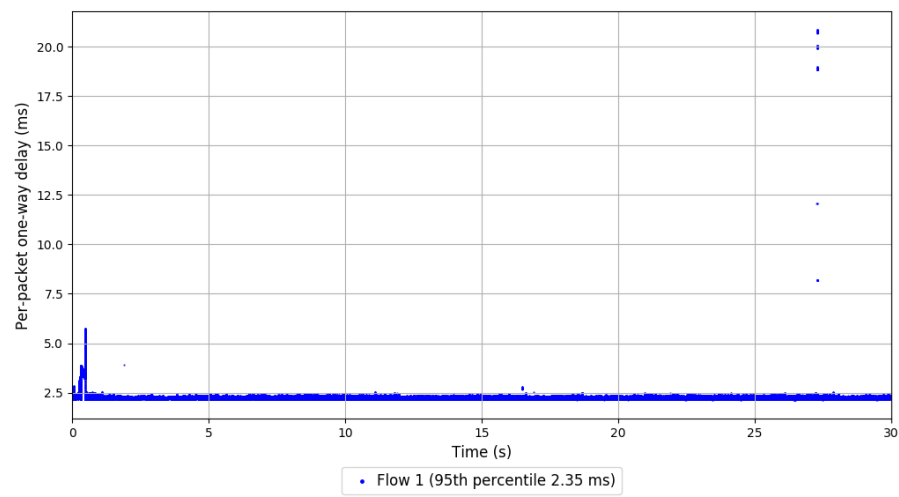
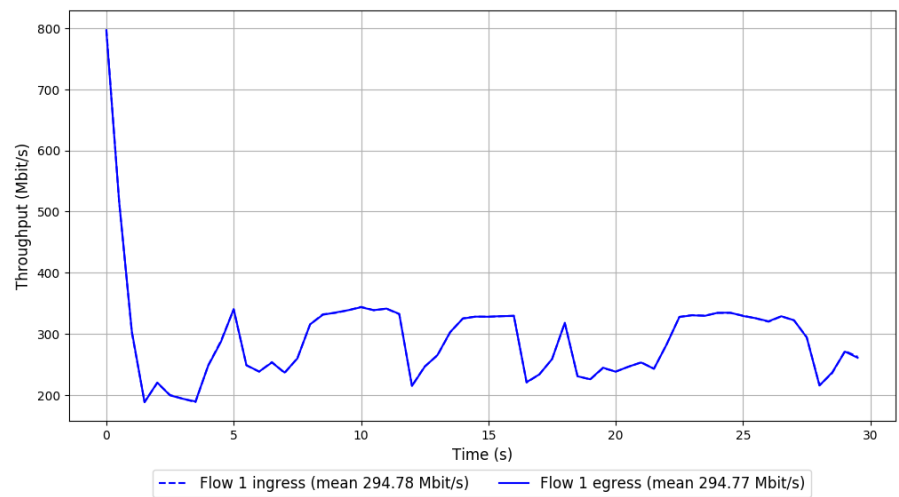
-- Flow 1:

Average throughput: 294.77 Mbit/s

95th percentile per-packet one-way delay: 2.345 ms

Loss rate: 0.02%

Run 10: Report of TCP Vegas — Data Link

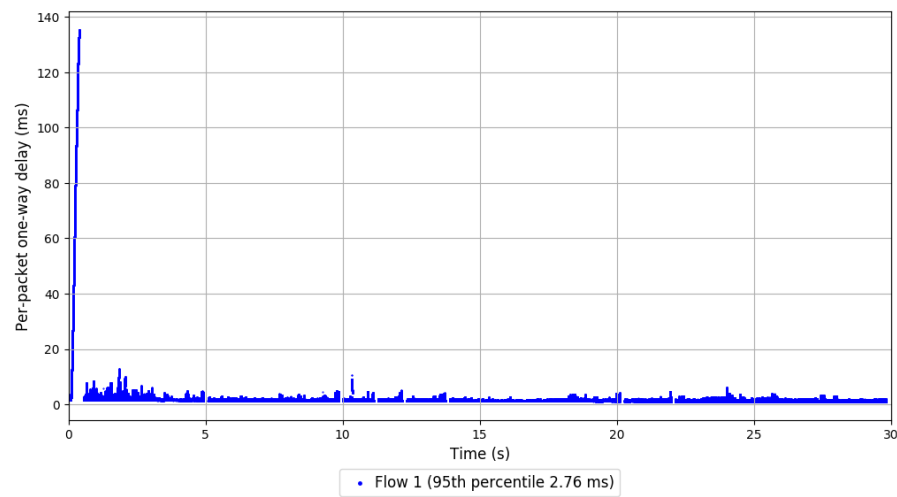
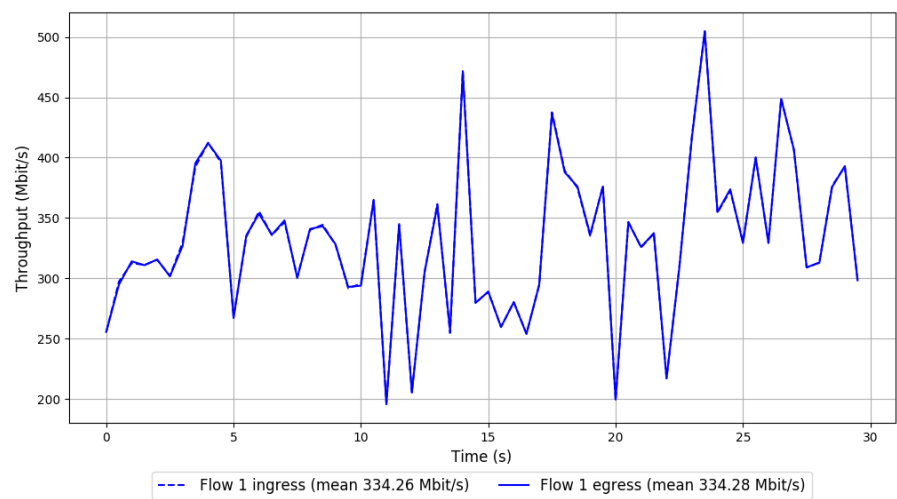


Run 1: Statistics of Verus

Start at: 2017-09-17 21:25:24  
End at: 2017-09-17 21:25:54  
Local clock offset: -12.031 ms  
Remote clock offset: 0.152 ms

# Below is generated by plot.py at 2017-09-18 06:07:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 334.28 Mbit/s  
95th percentile per-packet one-way delay: 2.762 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 334.28 Mbit/s  
95th percentile per-packet one-way delay: 2.762 ms  
Loss rate: 0.01%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2017-09-17 21:45:05

End at: 2017-09-17 21:45:35

Local clock offset: -5.924 ms

Remote clock offset: 0.487 ms

# Below is generated by plot.py at 2017-09-18 06:07:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 410.50 Mbit/s

95th percentile per-packet one-way delay: 2.954 ms

Loss rate: 0.01%

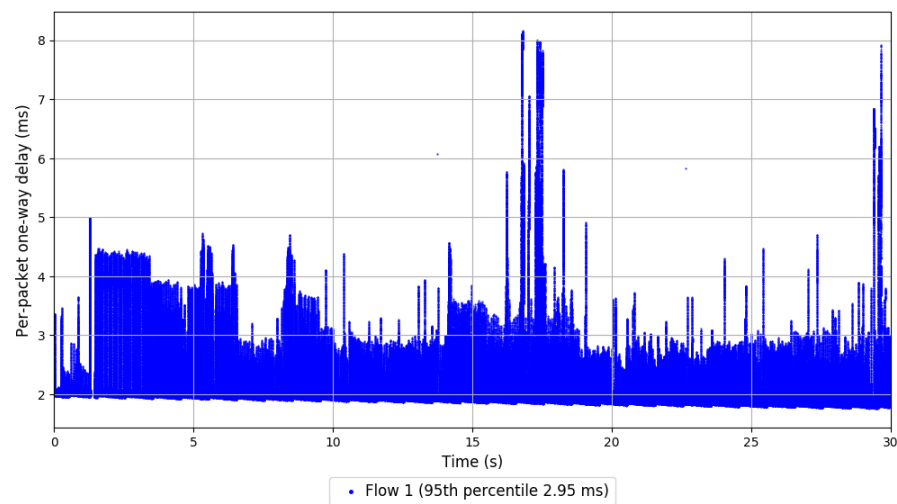
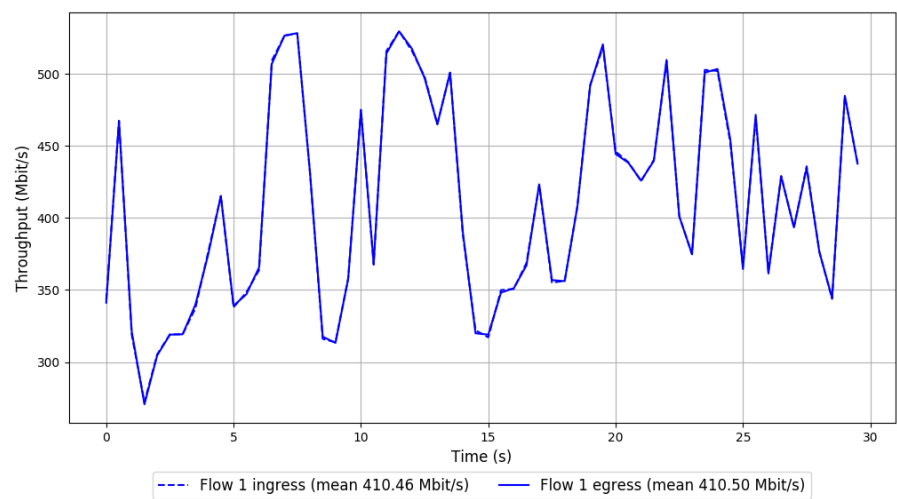
-- Flow 1:

Average throughput: 410.50 Mbit/s

95th percentile per-packet one-way delay: 2.954 ms

Loss rate: 0.01%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2017-09-17 22:05:05

End at: 2017-09-17 22:05:35

Local clock offset: -2.898 ms

Remote clock offset: 0.843 ms

# Below is generated by plot.py at 2017-09-18 06:07:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 276.23 Mbit/s

95th percentile per-packet one-way delay: 2.775 ms

Loss rate: 0.02%

-- Flow 1:

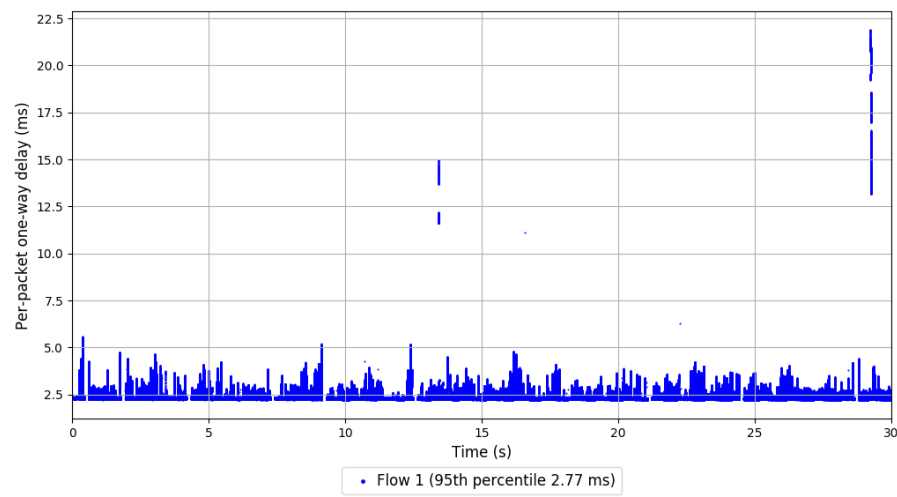
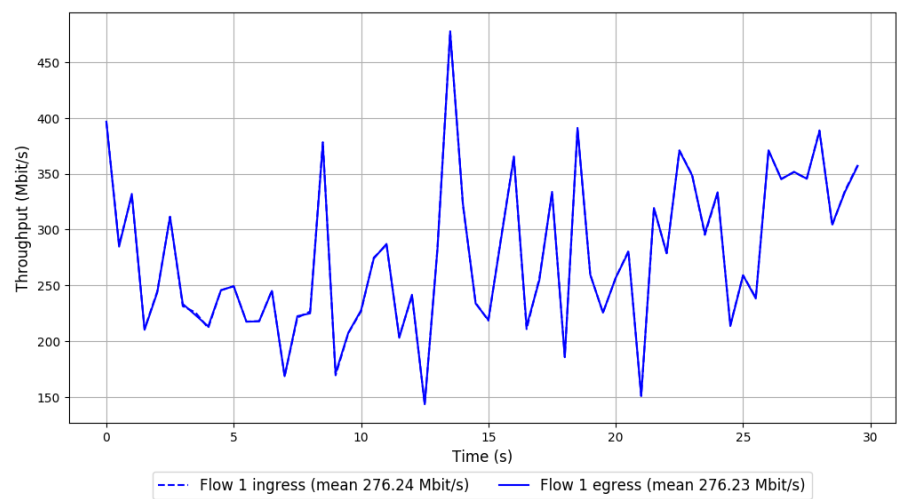
Average throughput: 276.23 Mbit/s

95th percentile per-packet one-way delay: 2.775 ms

Loss rate: 0.02%



Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2017-09-17 22:24:41

End at: 2017-09-17 22:25:11

Local clock offset: -4.57 ms

Remote clock offset: 0.771 ms

# Below is generated by plot.py at 2017-09-18 06:07:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 395.06 Mbit/s

95th percentile per-packet one-way delay: 2.907 ms

Loss rate: 0.01%

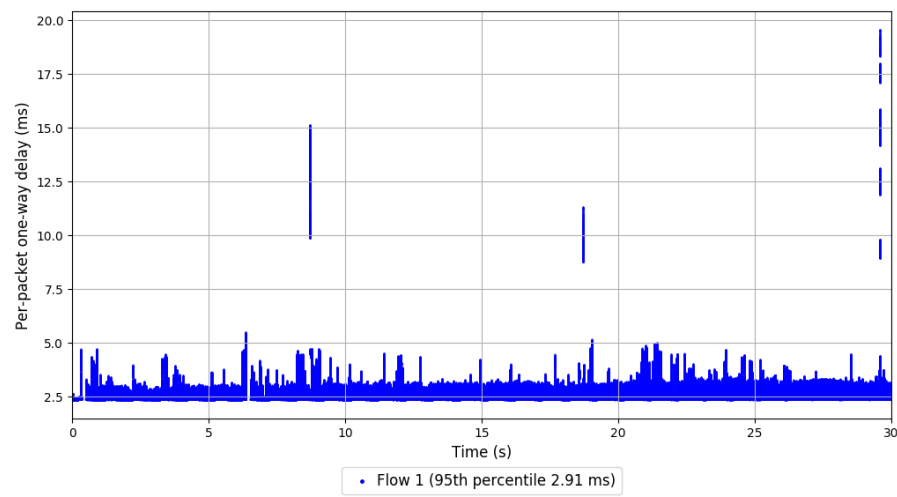
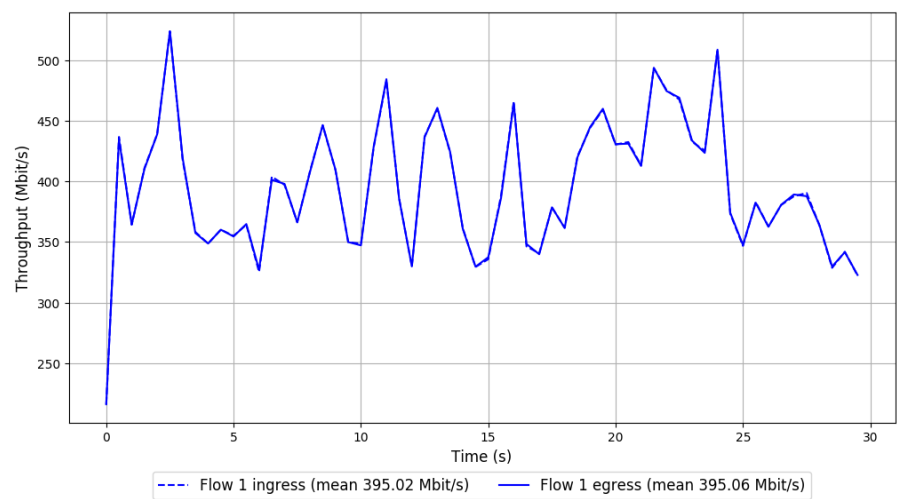
-- Flow 1:

Average throughput: 395.06 Mbit/s

95th percentile per-packet one-way delay: 2.907 ms

Loss rate: 0.01%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2017-09-17 22:44:31

End at: 2017-09-17 22:45:01

Local clock offset: -3.636 ms

Remote clock offset: 0.708 ms

# Below is generated by plot.py at 2017-09-18 06:07:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 375.59 Mbit/s

95th percentile per-packet one-way delay: 2.791 ms

Loss rate: 0.01%

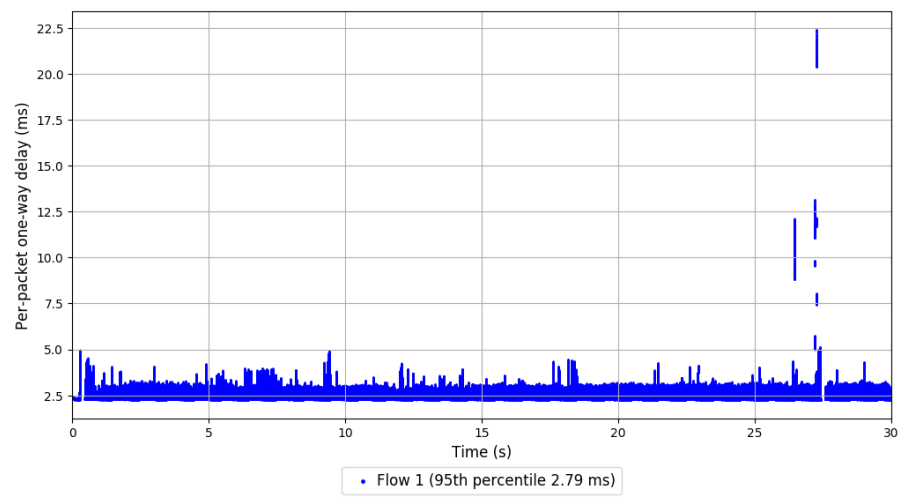
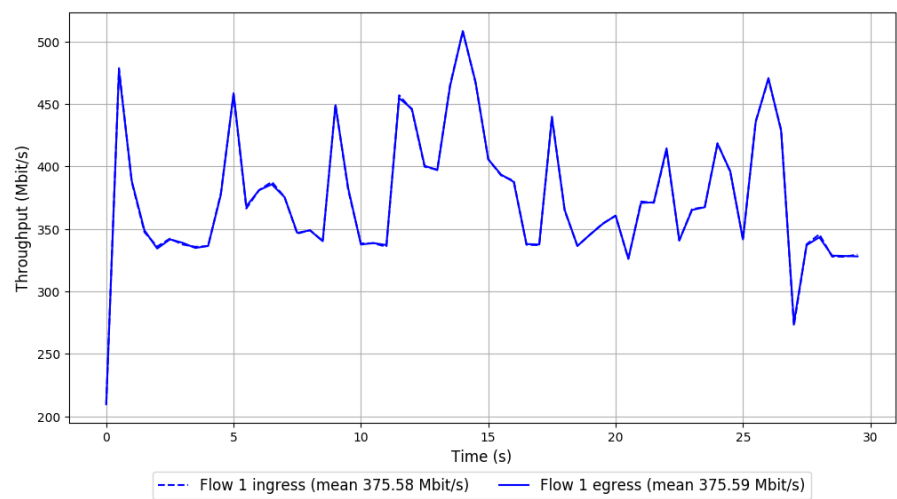
-- Flow 1:

Average throughput: 375.59 Mbit/s

95th percentile per-packet one-way delay: 2.791 ms

Loss rate: 0.01%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: 2017-09-17 23:04:16

End at: 2017-09-17 23:04:46

Local clock offset: -3.753 ms

Remote clock offset: 0.784 ms

# Below is generated by plot.py at 2017-09-18 06:07:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 330.31 Mbit/s

95th percentile per-packet one-way delay: 3.615 ms

Loss rate: 0.02%

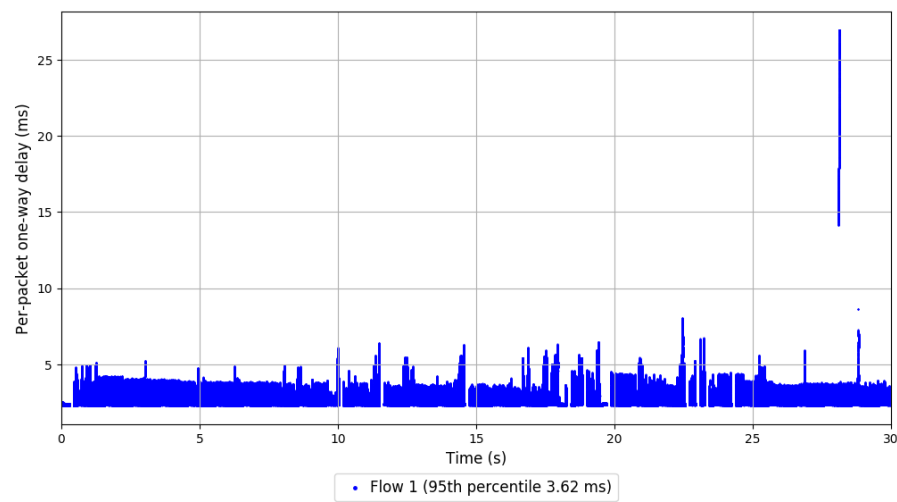
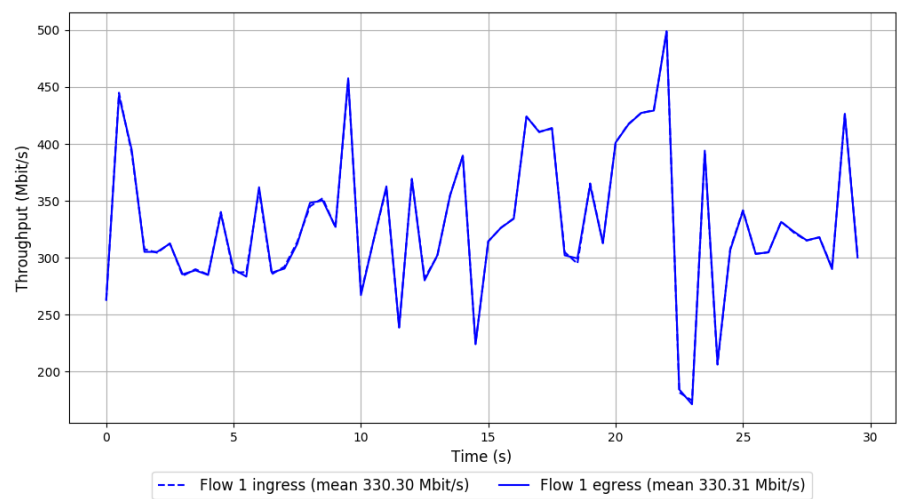
-- Flow 1:

Average throughput: 330.31 Mbit/s

95th percentile per-packet one-way delay: 3.615 ms

Loss rate: 0.02%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2017-09-17 23:23:45

End at: 2017-09-17 23:24:15

Local clock offset: -4.819 ms

Remote clock offset: 0.519 ms

# Below is generated by plot.py at 2017-09-18 06:07:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 346.20 Mbit/s

95th percentile per-packet one-way delay: 4.455 ms

Loss rate: 0.02%

-- Flow 1:

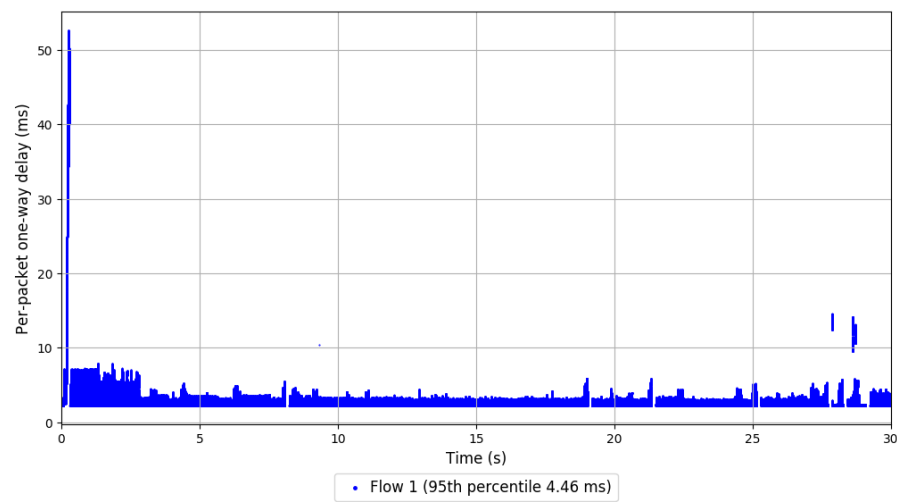
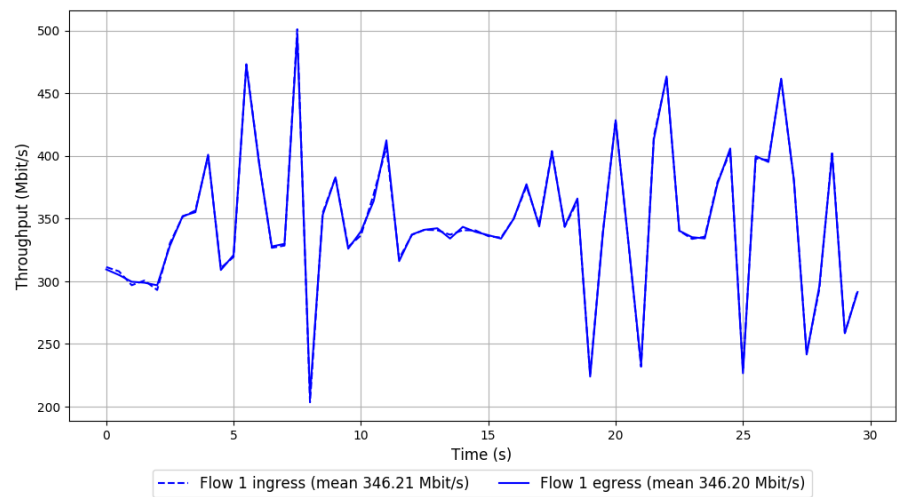
Average throughput: 346.20 Mbit/s

95th percentile per-packet one-way delay: 4.455 ms

Loss rate: 0.02%



Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2017-09-17 23:42:45

End at: 2017-09-17 23:43:15

Local clock offset: -5.496 ms

Remote clock offset: 0.428 ms

# Below is generated by plot.py at 2017-09-18 06:08:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 349.04 Mbit/s

95th percentile per-packet one-way delay: 2.752 ms

Loss rate: 0.01%

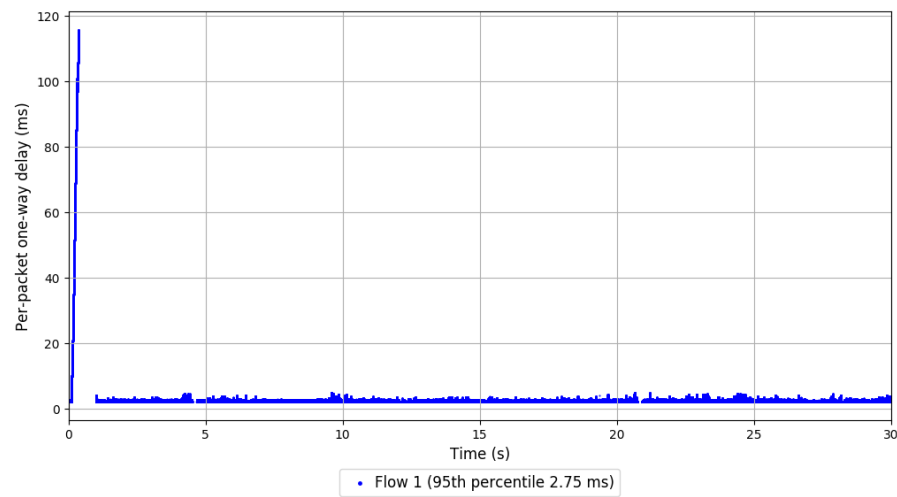
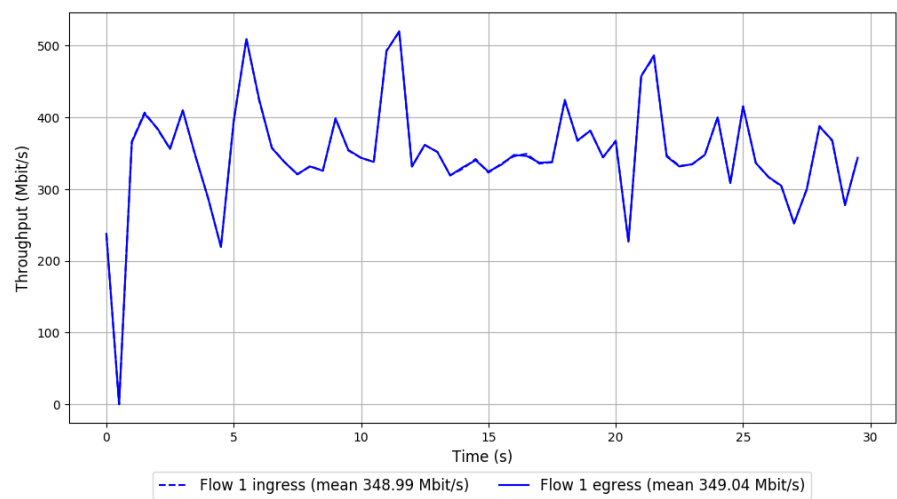
-- Flow 1:

Average throughput: 349.04 Mbit/s

95th percentile per-packet one-way delay: 2.752 ms

Loss rate: 0.01%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: 2017-09-18 00:02:29

End at: 2017-09-18 00:02:59

Local clock offset: -6.139 ms

Remote clock offset: 0.206 ms

# Below is generated by plot.py at 2017-09-18 06:08:19

# Datalink statistics

-- Total of 1 flow:

Average throughput: 330.88 Mbit/s

95th percentile per-packet one-way delay: 3.334 ms

Loss rate: 0.00%

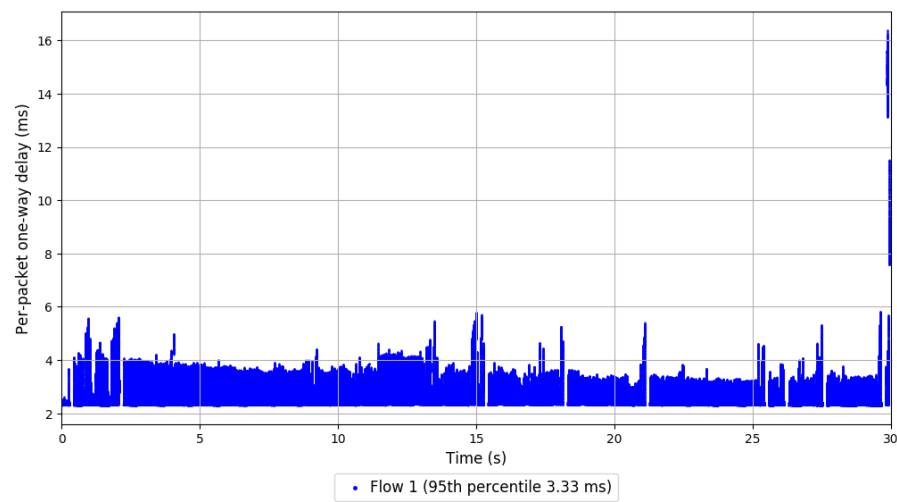
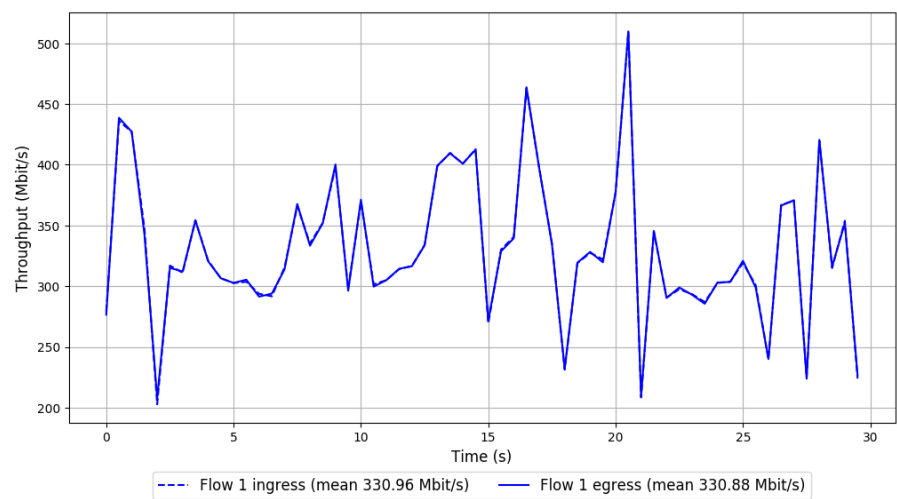
-- Flow 1:

Average throughput: 330.88 Mbit/s

95th percentile per-packet one-way delay: 3.334 ms

Loss rate: 0.00%

Run 9: Report of Verus — Data Link

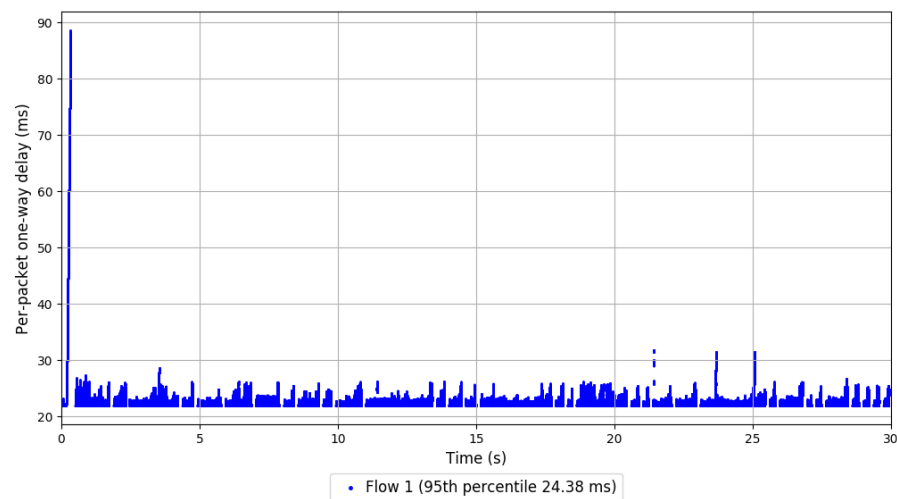
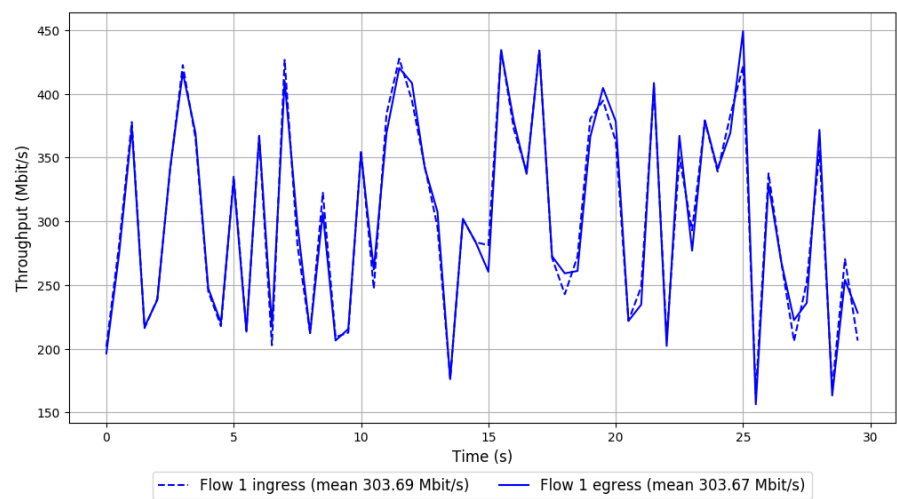


Run 10: Statistics of Verus

Start at: 2017-09-18 00:22:09  
End at: 2017-09-18 00:22:39  
Local clock offset: -5.054 ms  
Remote clock offset: -19.533 ms

# Below is generated by plot.py at 2017-09-18 06:08:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 303.67 Mbit/s  
95th percentile per-packet one-way delay: 24.380 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 303.67 Mbit/s  
95th percentile per-packet one-way delay: 24.380 ms  
Loss rate: 0.00%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: 2017-09-17 21:32:08

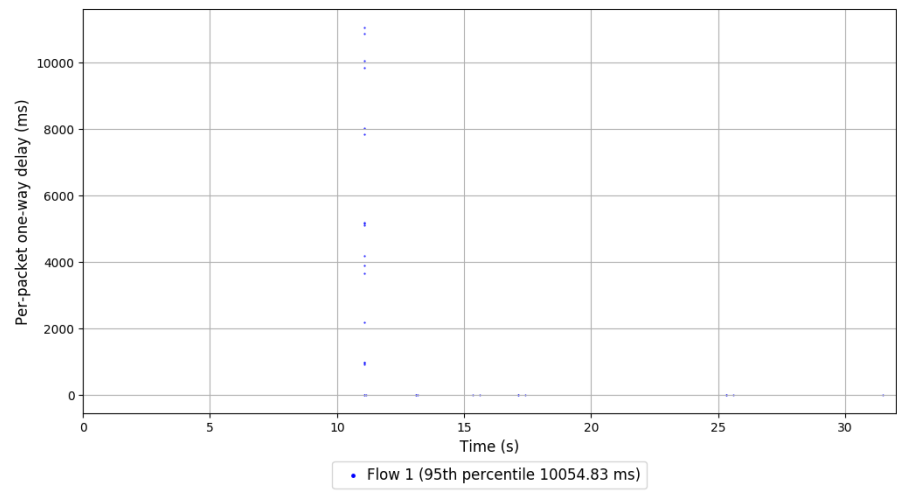
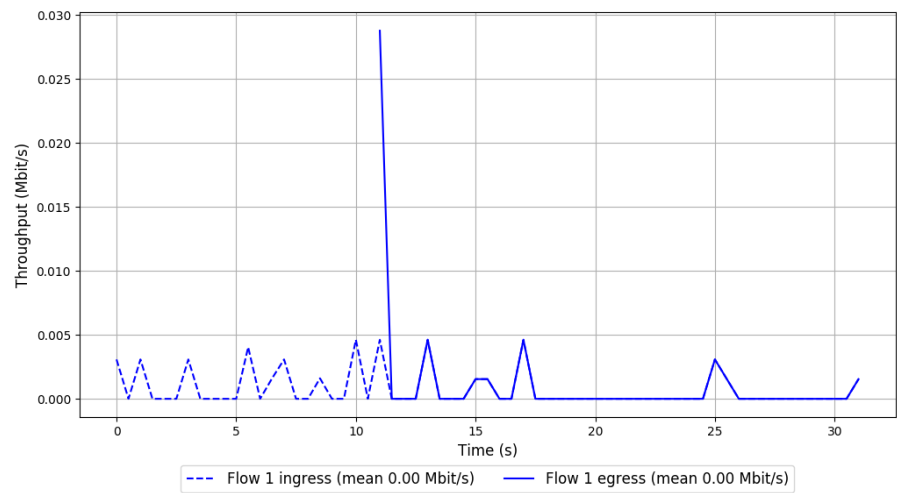
End at: 2017-09-17 21:32:38

Local clock offset: -7.843 ms

Remote clock offset: 0.248 ms



Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

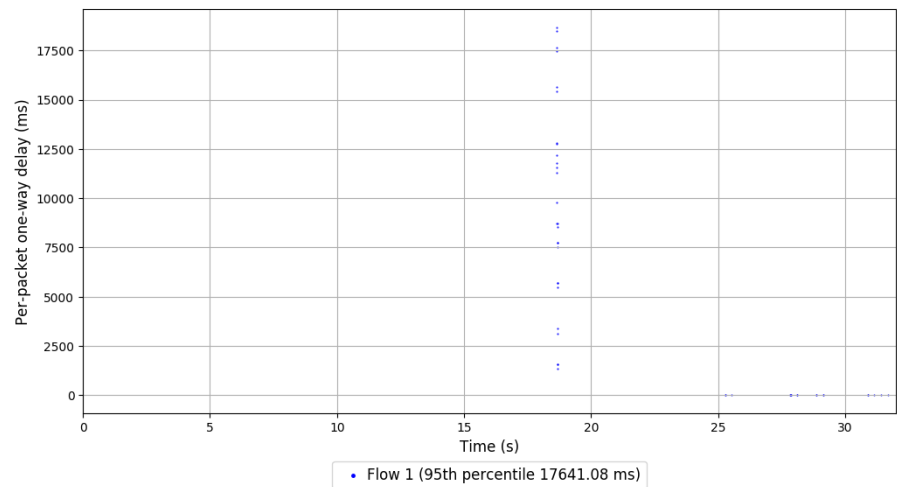
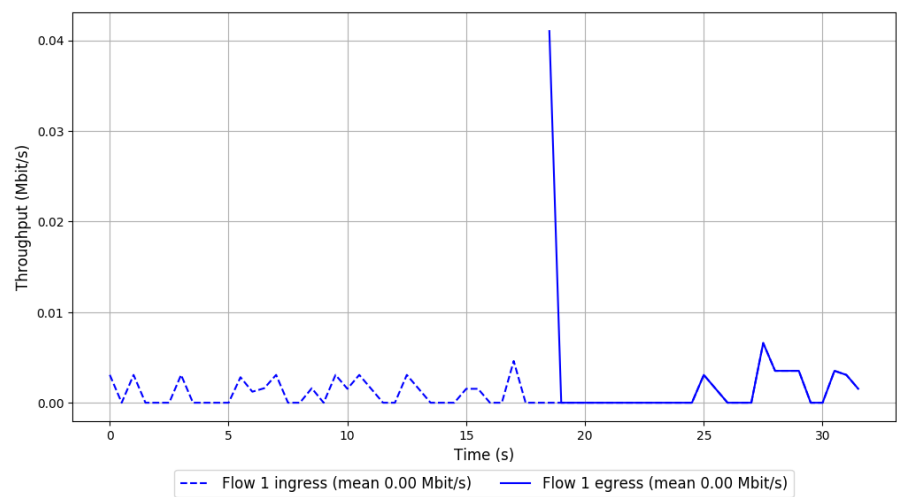
Start at: 2017-09-17 21:51:51

End at: 2017-09-17 21:52:21

Local clock offset: -5.235 ms

Remote clock offset: 0.616 ms

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

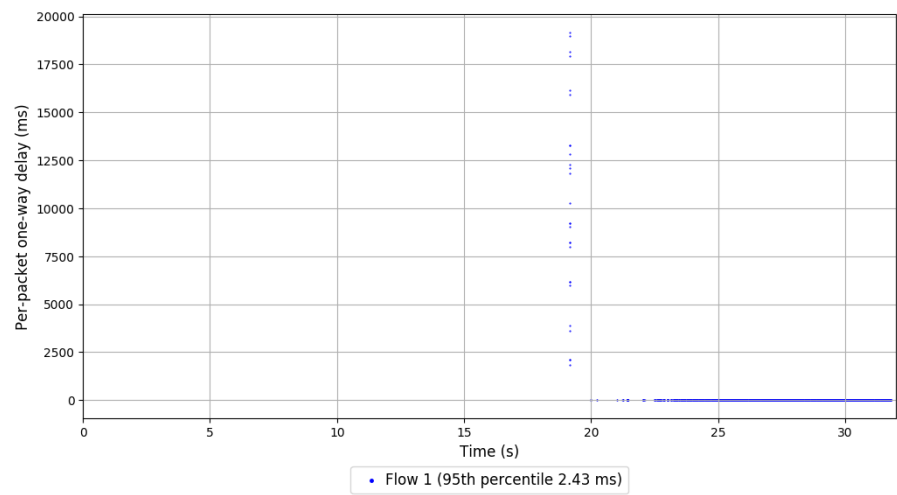
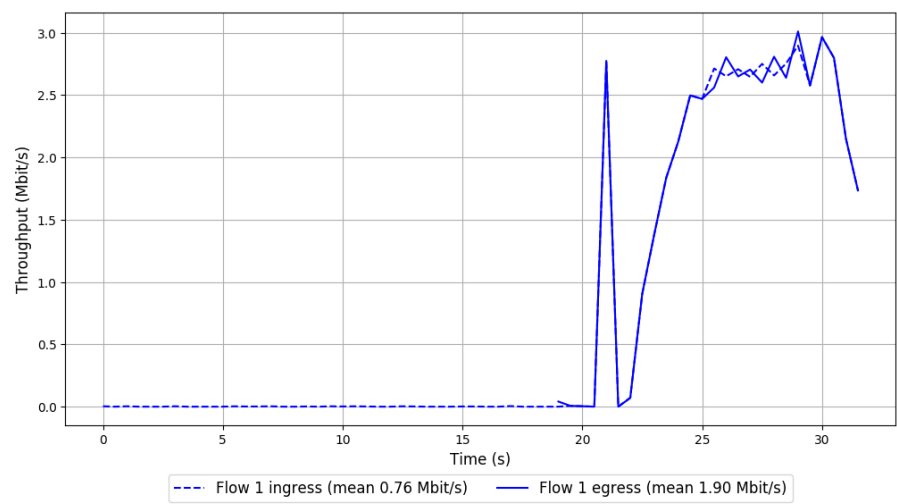
Start at: 2017-09-17 22:11:40

End at: 2017-09-17 22:12:10

Local clock offset: -3.274 ms

Remote clock offset: 0.839 ms

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

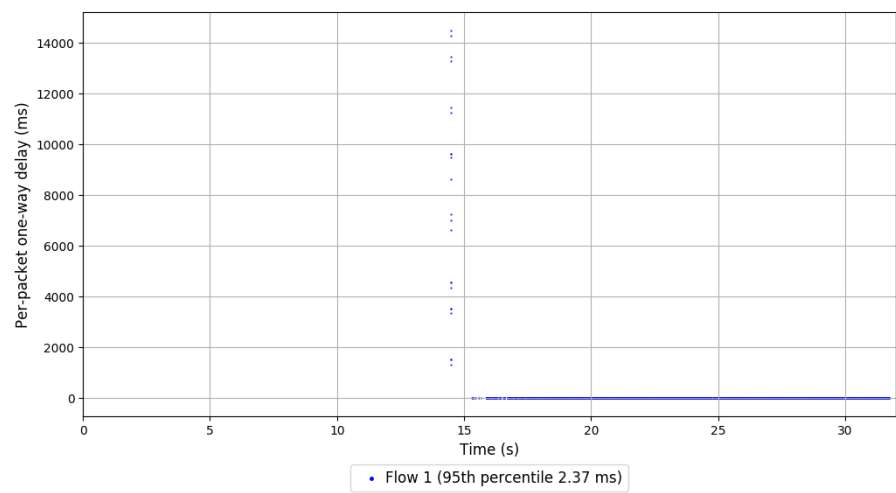
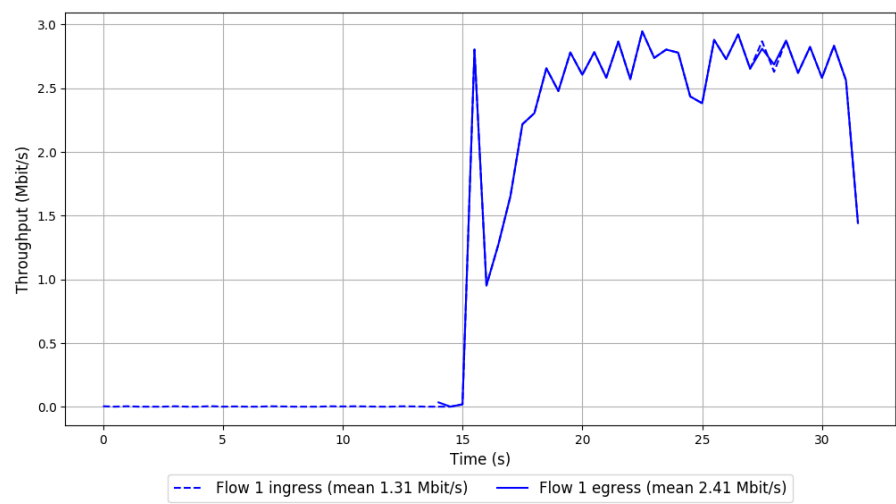
Start at: 2017-09-17 22:31:26

End at: 2017-09-17 22:31:56

Local clock offset: -5.037 ms

Remote clock offset: 0.72 ms

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: 2017-09-17 22:51:14

End at: 2017-09-17 22:51:44

Local clock offset: -3.78 ms

Remote clock offset: 0.707 ms

# Below is generated by plot.py at 2017-09-18 06:08:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 2.419 ms

Loss rate: 0.00%

-- Flow 1:

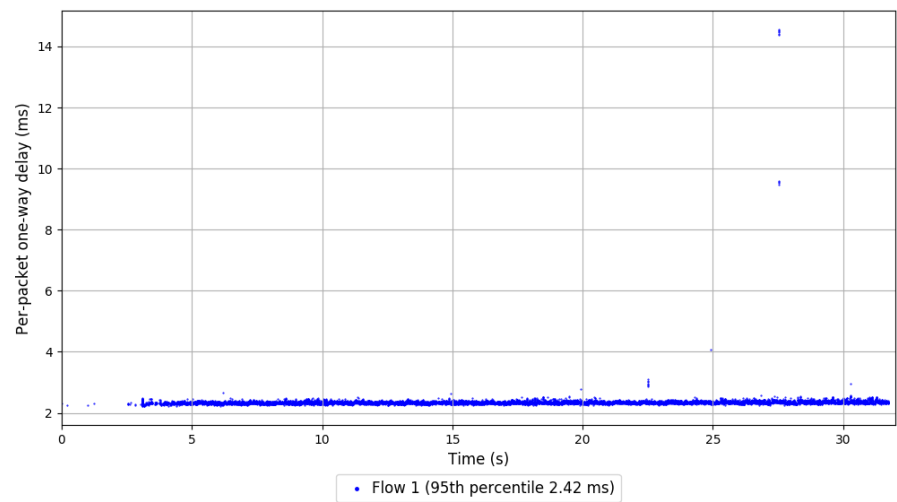
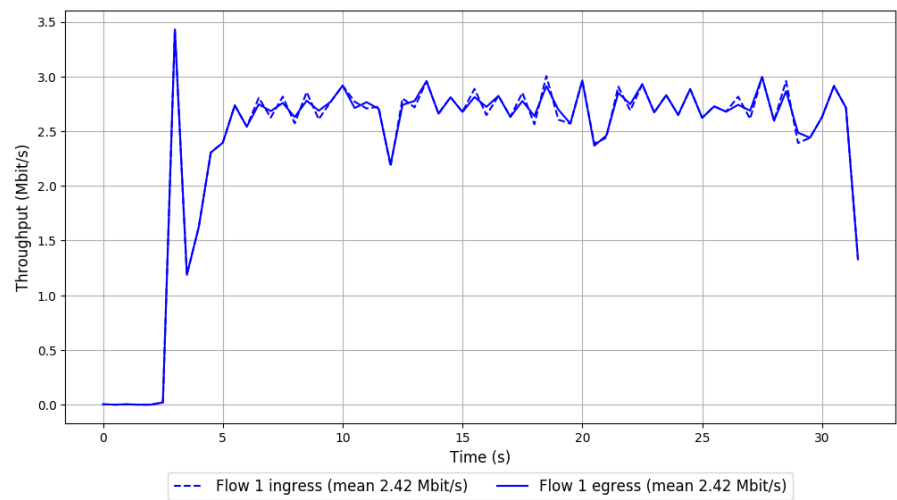
Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 2.419 ms

Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

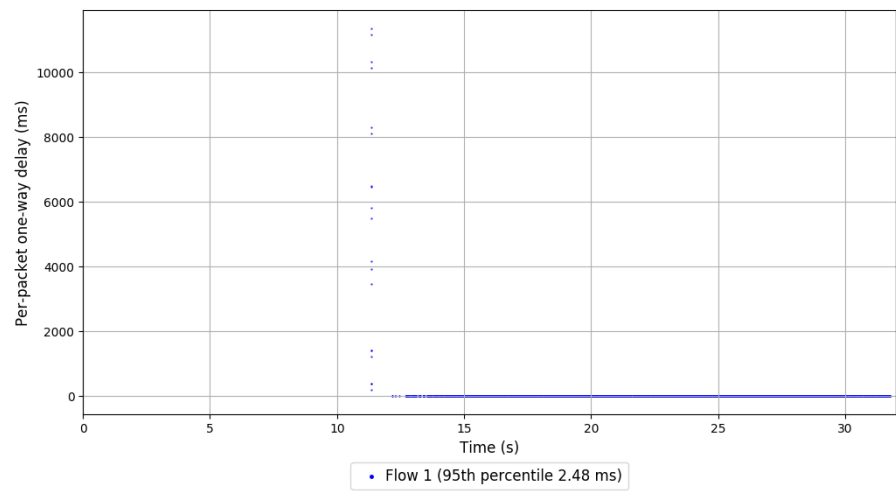
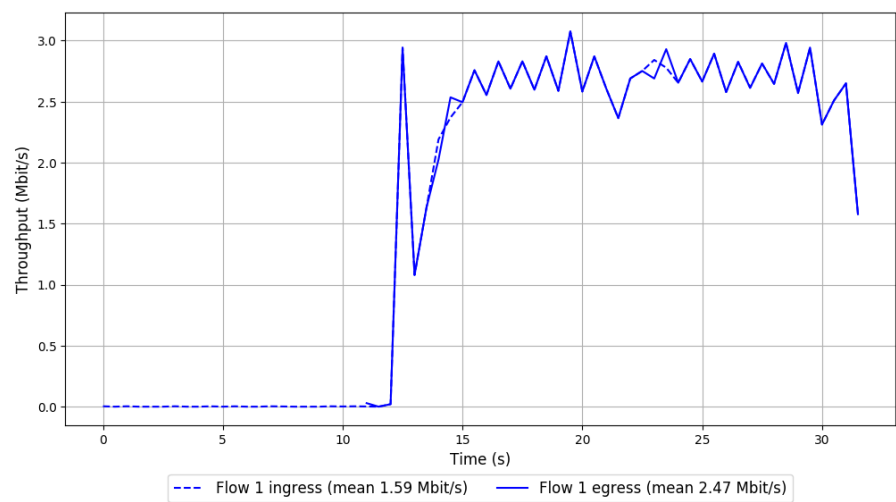
Start at: 2017-09-17 23:10:59

End at: 2017-09-17 23:11:29

Local clock offset: -3.983 ms

Remote clock offset: 0.605 ms

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: 2017-09-17 23:30:05

End at: 2017-09-17 23:30:35

Local clock offset: -5.241 ms

Remote clock offset: 0.485 ms

# Below is generated by plot.py at 2017-09-18 06:08:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 2.449 ms

Loss rate: 0.00%

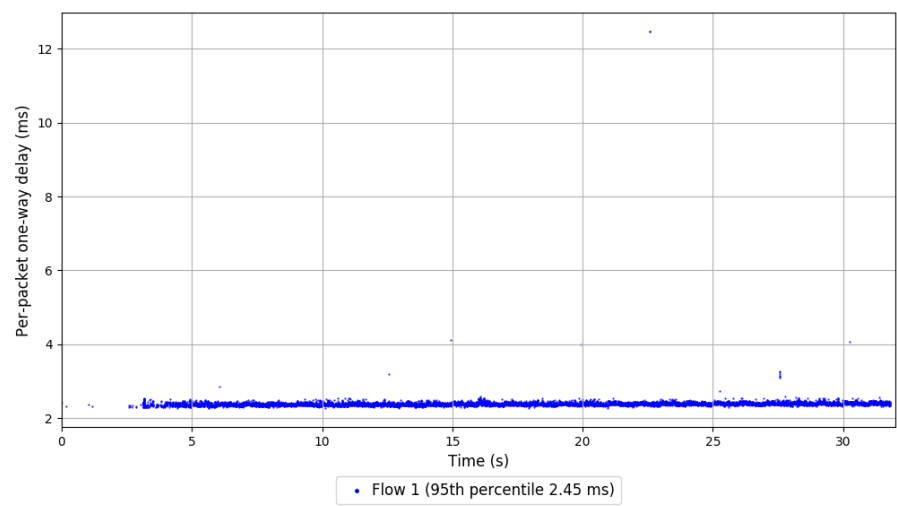
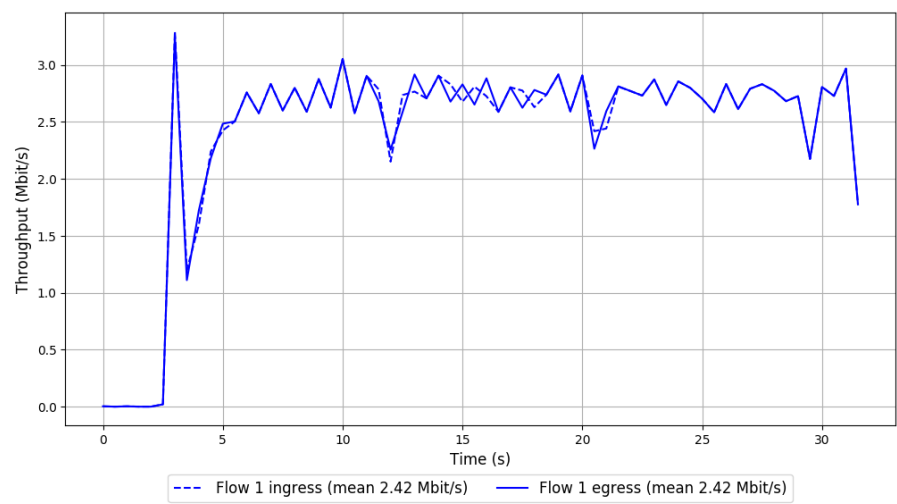
-- Flow 1:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 2.449 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: 2017-09-17 23:49:29

End at: 2017-09-17 23:49:59

Local clock offset: -5.529 ms

Remote clock offset: 0.358 ms

# Below is generated by plot.py at 2017-09-18 06:08:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 2.441 ms

Loss rate: 0.04%

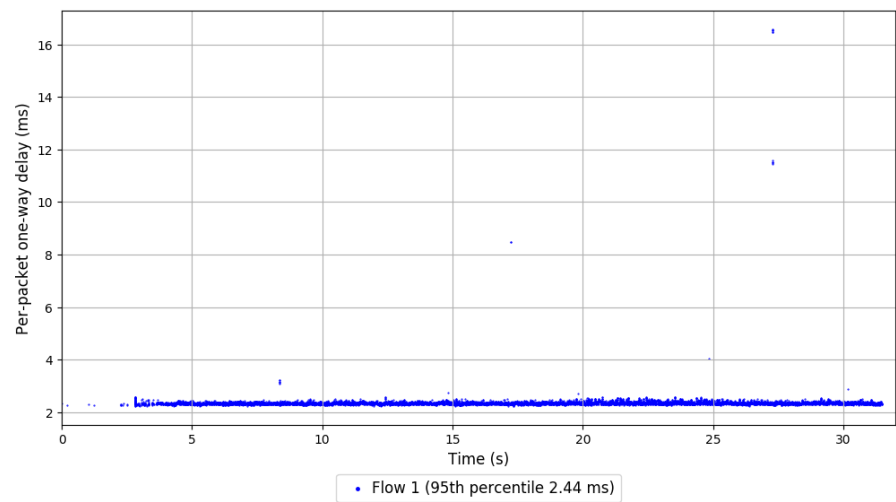
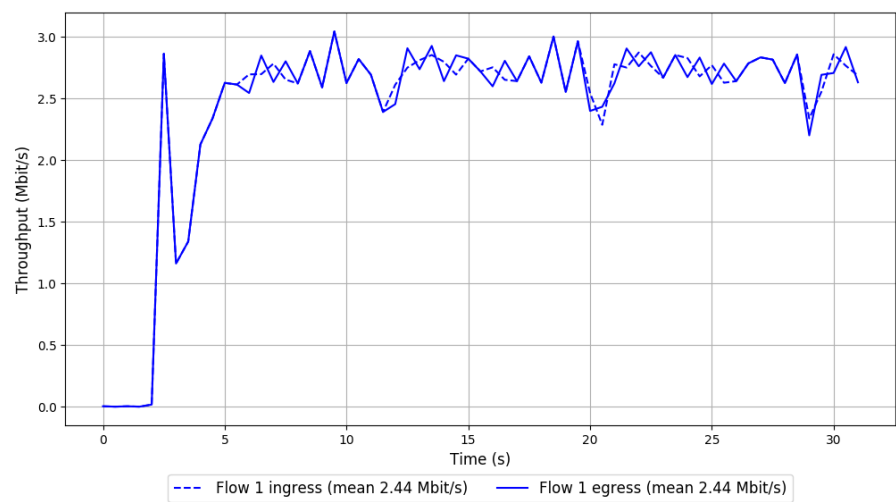
-- Flow 1:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 2.441 ms

Loss rate: 0.04%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2017-09-18 00:09:13

End at: 2017-09-18 00:09:43

Local clock offset: -5.53 ms

Remote clock offset: 0.135 ms

# Below is generated by plot.py at 2017-09-18 06:08:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 2.364 ms

Loss rate: 0.00%

-- Flow 1:

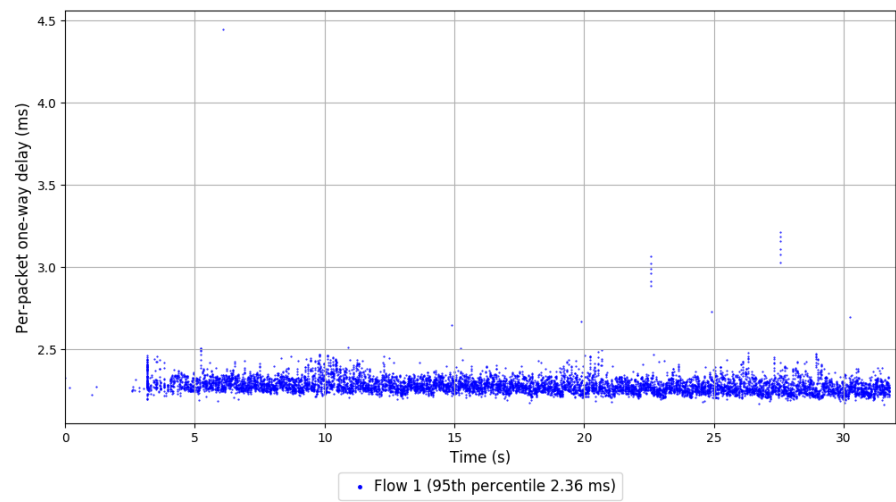
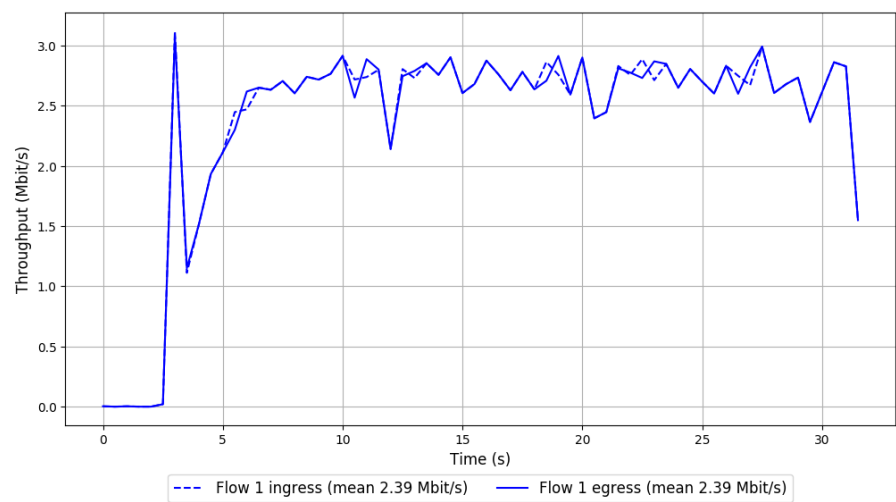
Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 2.364 ms

Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-09-18 00:28:50

End at: 2017-09-18 00:29:20

Local clock offset: -4.904 ms

Remote clock offset: 0.103 ms

# Below is generated by plot.py at 2017-09-18 06:08:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 2.351 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 2.351 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

