

## Pantheon Report

Generated at 2017-09-03 07:34:07 (UTC).

Data path: India Ethernet (*remote*) → AWS India 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).

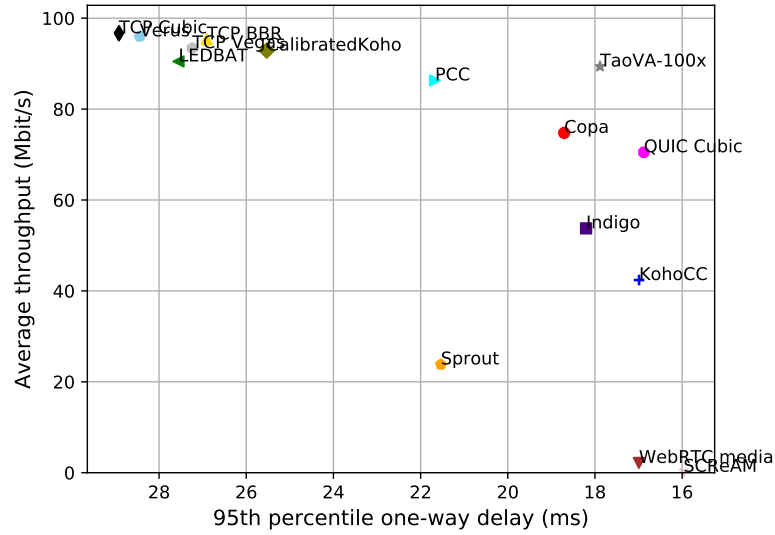
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

NTP offsets were measured against **nets.org.sg** and have been applied to correct the timestamps in logs.

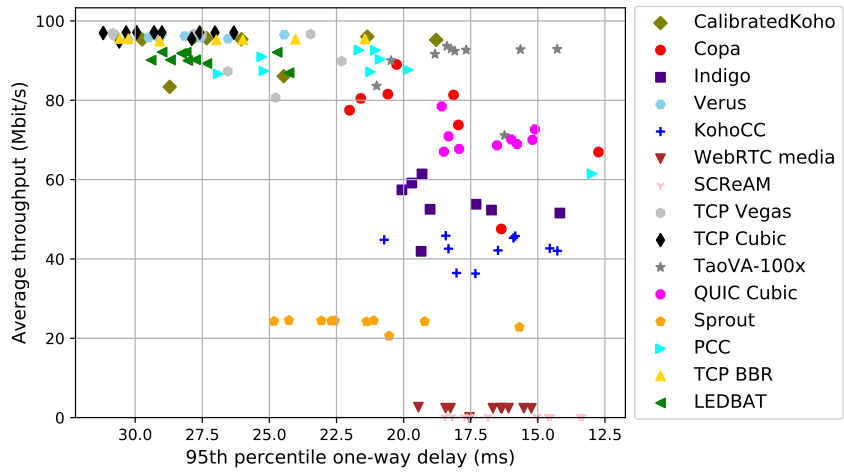
Git summary:

```
branch: master @ 2a98508c2457474d84cd2966a42b80b0bc62ecaf
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ f7ca42f251bf49b432bb71de6d13fa903515c366
third_party/indigo @ 10192113fb6902d25c86e0e3e4c85d7a05e43d7e
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from India Ethernet to AWS India 1 Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from India Ethernet to AWS India 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	7	95.33	26.91	0.14
CalibratedKoho	8	92.87	25.53	0.11
Copa	8	74.77	18.71	0.10
TCP Cubic	10	96.69	28.92	0.13
Indigo	8	53.76	18.20	0.09
KohoCC	10	42.39	16.99	0.09
LEDBAT	10	90.49	27.55	0.14
PCC	9	86.31	21.67	0.10
QUIC Cubic	9	70.50	16.88	0.09
SCReAM	10	0.21	15.97	0.09
Sprout	10	23.83	21.54	0.09
TaoVA-100x	10	89.38	17.88	0.11
TCP Vegas	10	93.40	27.24	0.09
Verus	10	96.01	28.44	0.13
WebRTC media	10	2.16	16.99	0.13

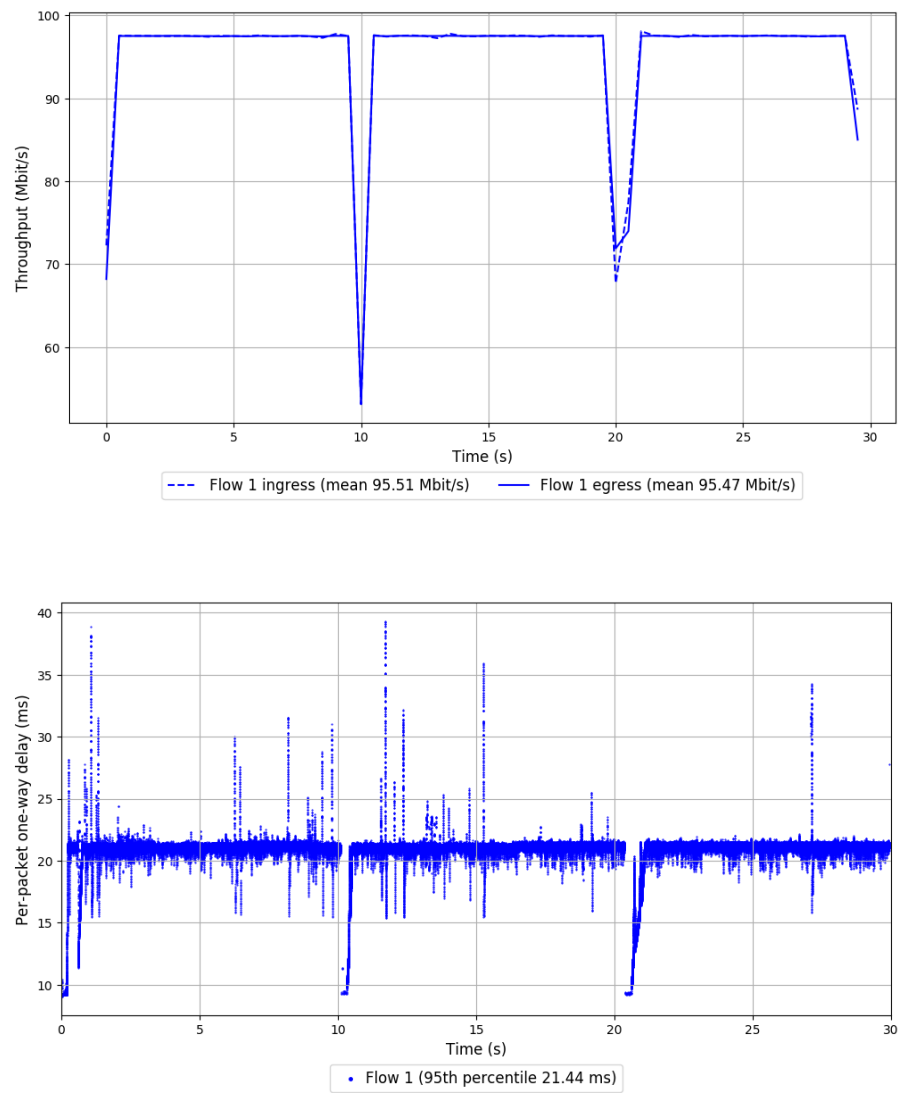
Run 1: Statistics of TCP BBR

Start at: 2017-09-03 00:54:59  
End at: 2017-09-03 00:55:29  
Local clock offset: -2.483 ms  
Remote clock offset: -1.595 ms

# Below is generated by plot.py at 2017-09-03 07:22:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.47 Mbit/s  
95th percentile per-packet one-way delay: 21.436 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 95.47 Mbit/s  
95th percentile per-packet one-way delay: 21.436 ms  
Loss rate: 0.14%



Run 1: Report of TCP BBR — Data Link

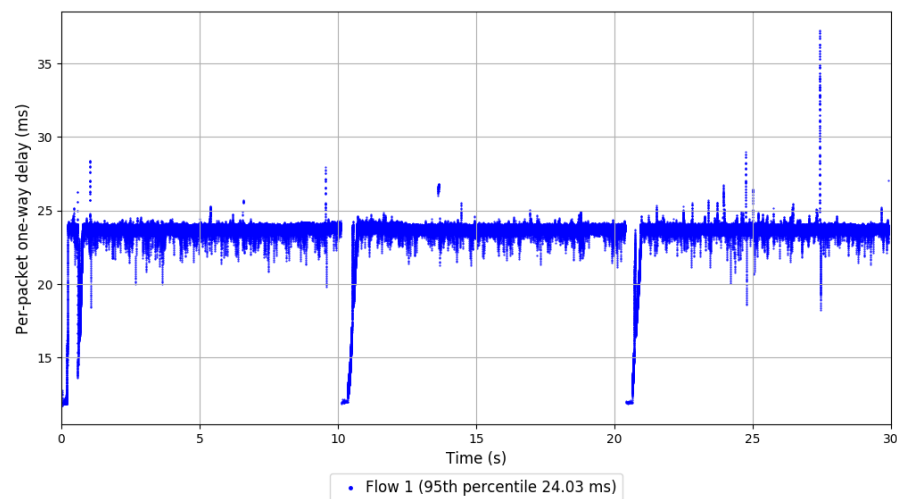
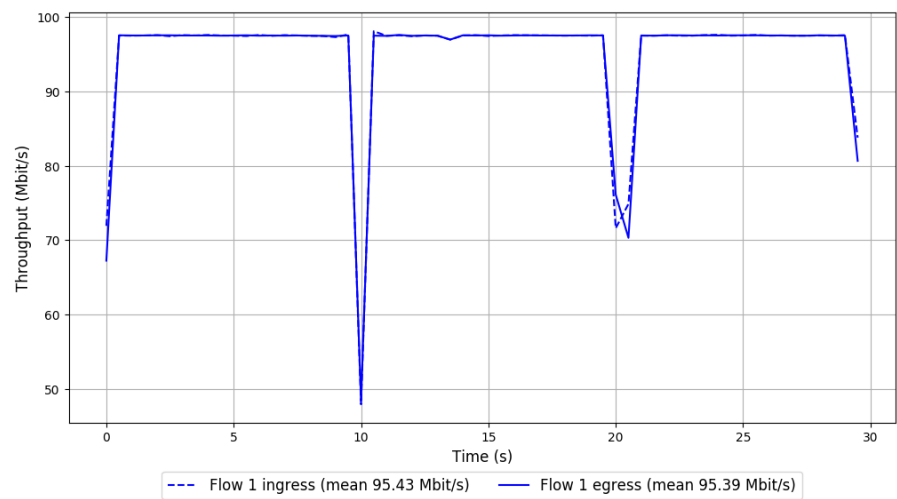


Run 2: Statistics of TCP BBR

Start at: 2017-09-03 01:12:22  
End at: 2017-09-03 01:12:52  
Local clock offset: -2.588 ms  
Remote clock offset: -4.535 ms

# Below is generated by plot.py at 2017-09-03 07:22:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.39 Mbit/s  
95th percentile per-packet one-way delay: 24.029 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 95.39 Mbit/s  
95th percentile per-packet one-way delay: 24.029 ms  
Loss rate: 0.14%

Run 2: Report of TCP BBR — Data Link

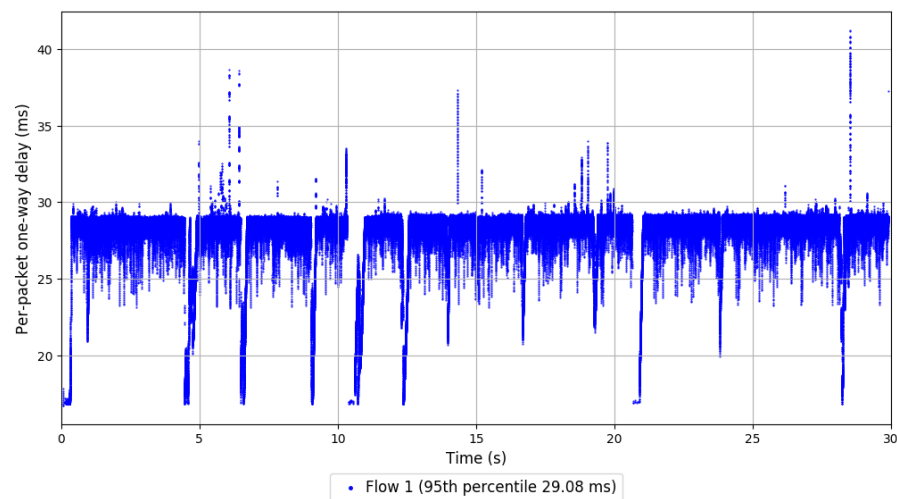
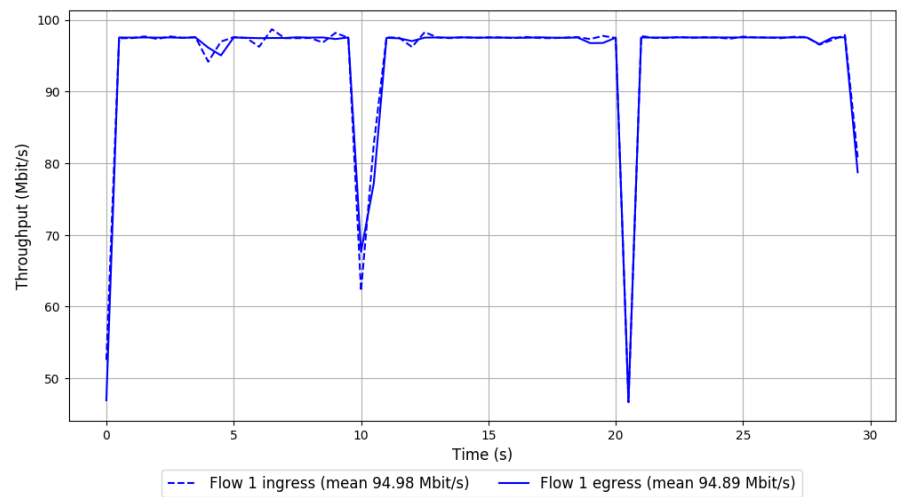


Run 3: Statistics of TCP BBR

Start at: 2017-09-03 01:30:04  
End at: 2017-09-03 01:30:34  
Local clock offset: -0.828 ms  
Remote clock offset: -7.863 ms

# Below is generated by plot.py at 2017-09-03 07:22:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.89 Mbit/s  
95th percentile per-packet one-way delay: 29.082 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 94.89 Mbit/s  
95th percentile per-packet one-way delay: 29.082 ms  
Loss rate: 0.16%

Run 3: Report of TCP BBR — Data Link

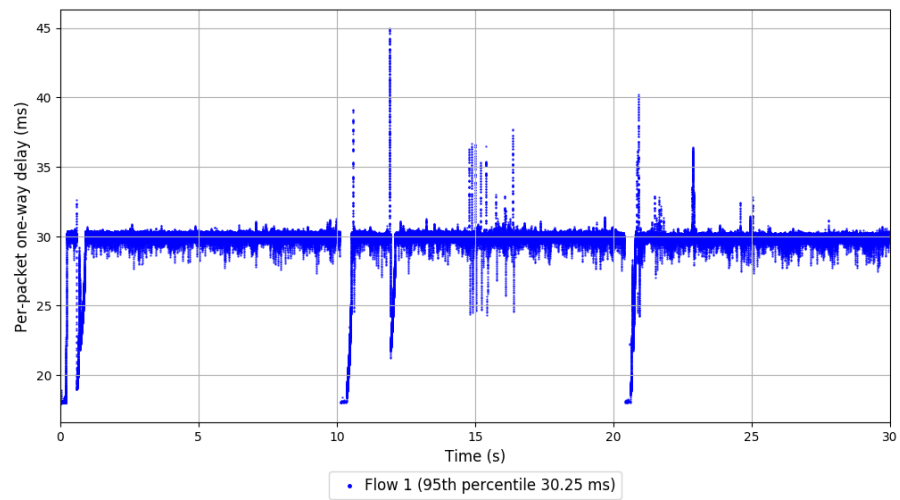
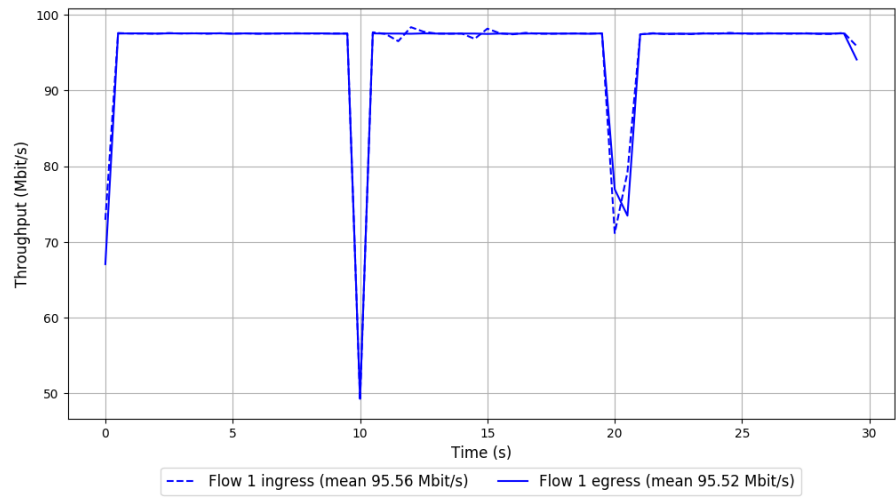


Run 4: Statistics of TCP BBR

Start at: 2017-09-03 01:47:45  
End at: 2017-09-03 01:48:15  
Local clock offset: 0.94 ms  
Remote clock offset: -7.152 ms

# Below is generated by plot.py at 2017-09-03 07:22:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.52 Mbit/s  
95th percentile per-packet one-way delay: 30.254 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 95.52 Mbit/s  
95th percentile per-packet one-way delay: 30.254 ms  
Loss rate: 0.13%

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



Run 5: Statistics of TCP BBR

Start at: 2017-09-03 02:05:36

End at: 2017-09-03 02:06:07

Local clock offset: -2.079 ms

Remote clock offset: -7.31 ms



Run 5: Report of TCP BBR — Data Link

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Figure is missing

Run 6: Statistics of TCP BBR

Start at: 2017-09-03 02:23:29

End at: 2017-09-03 02:23:59

Local clock offset: -1.728 ms

Remote clock offset: -5.873 ms

Run 6: Report of TCP BBR — Data Link

Figure is missing

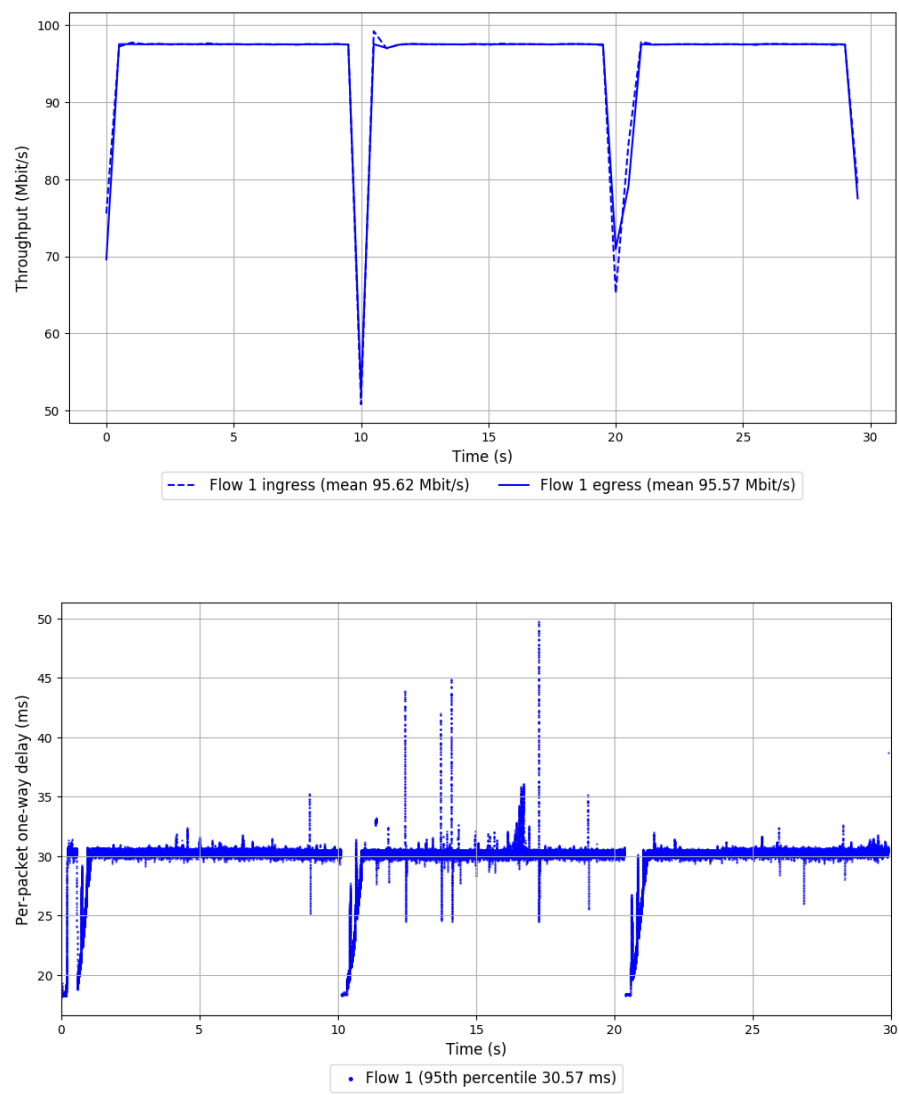
Figure is missing

Run 7: Statistics of TCP BBR

Start at: 2017-09-03 02:41:12  
End at: 2017-09-03 02:41:42  
Local clock offset: 1.114 ms  
Remote clock offset: -7.032 ms

# Below is generated by plot.py at 2017-09-03 07:22:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.57 Mbit/s  
95th percentile per-packet one-way delay: 30.571 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 95.57 Mbit/s  
95th percentile per-packet one-way delay: 30.571 ms  
Loss rate: 0.13%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

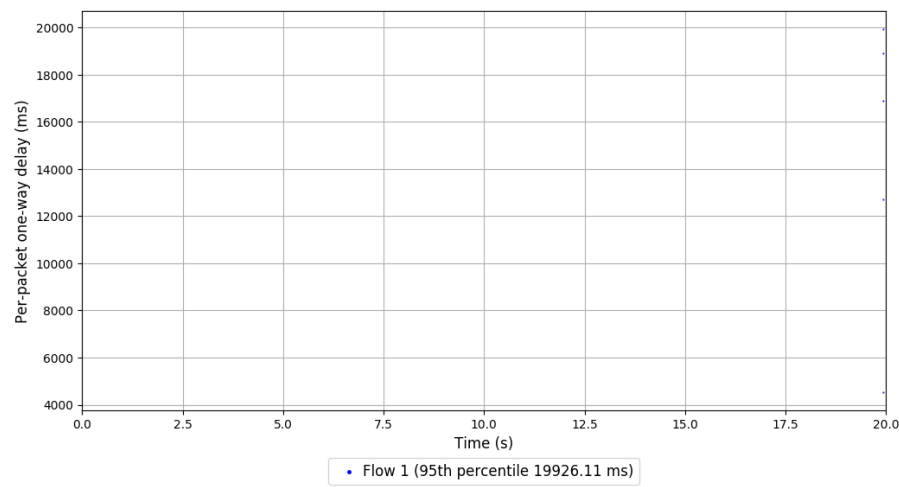
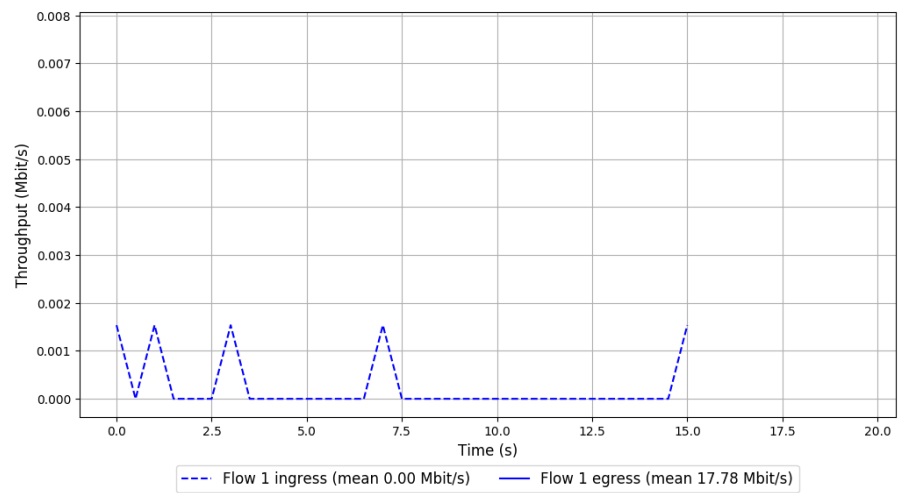
Start at: 2017-09-03 02:59:16

End at: 2017-09-03 02:59:46

Local clock offset: -2.056 ms

Remote clock offset: -11.53 ms

Run 8: Report of TCP BBR — Data Link



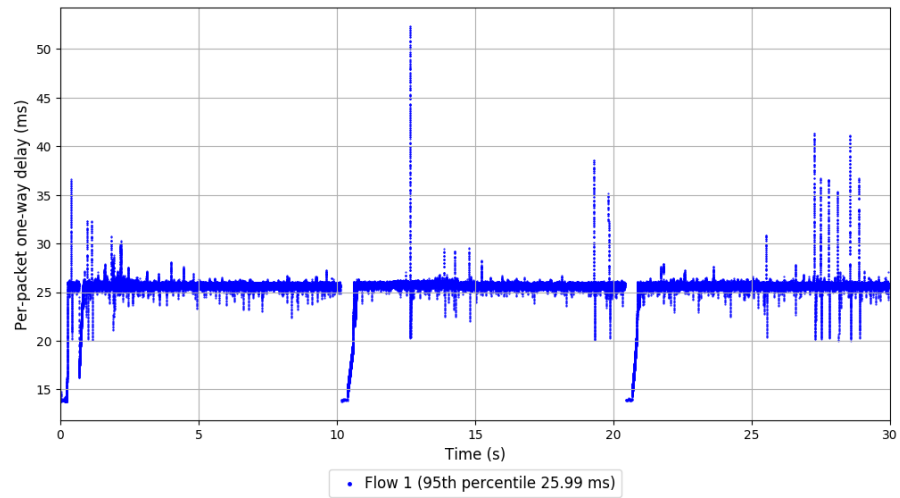
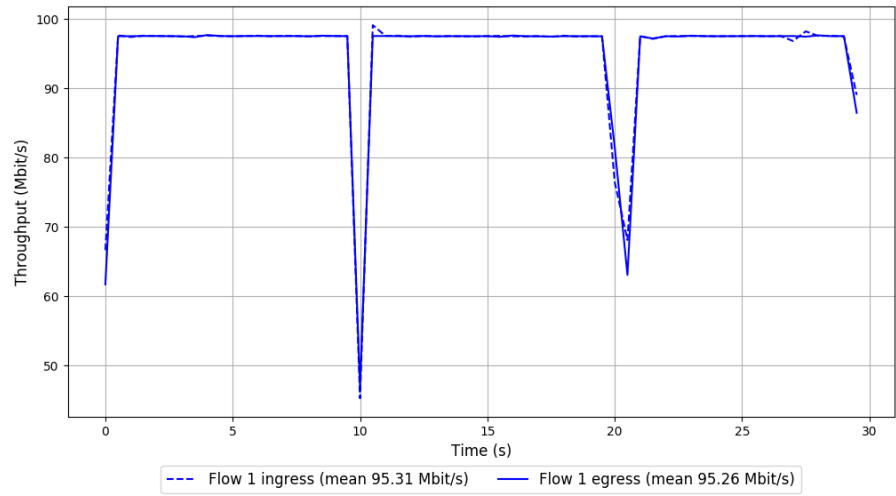
Run 9: Statistics of TCP BBR

Start at: 2017-09-03 03:16:59  
End at: 2017-09-03 03:17:29  
Local clock offset: -1.715 ms  
Remote clock offset: -5.424 ms

# Below is generated by plot.py at 2017-09-03 07:22:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.26 Mbit/s  
95th percentile per-packet one-way delay: 25.989 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 95.26 Mbit/s  
95th percentile per-packet one-way delay: 25.989 ms  
Loss rate: 0.13%



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



Run 10: Statistics of TCP BBR

Start at: 2017-09-03 03:35:04

End at: 2017-09-03 03:35:34

Local clock offset: -1.121 ms

Remote clock offset: -5.81 ms

# Below is generated by plot.py at 2017-09-03 07:22:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.24 Mbit/s

95th percentile per-packet one-way delay: 26.974 ms

Loss rate: 0.14%

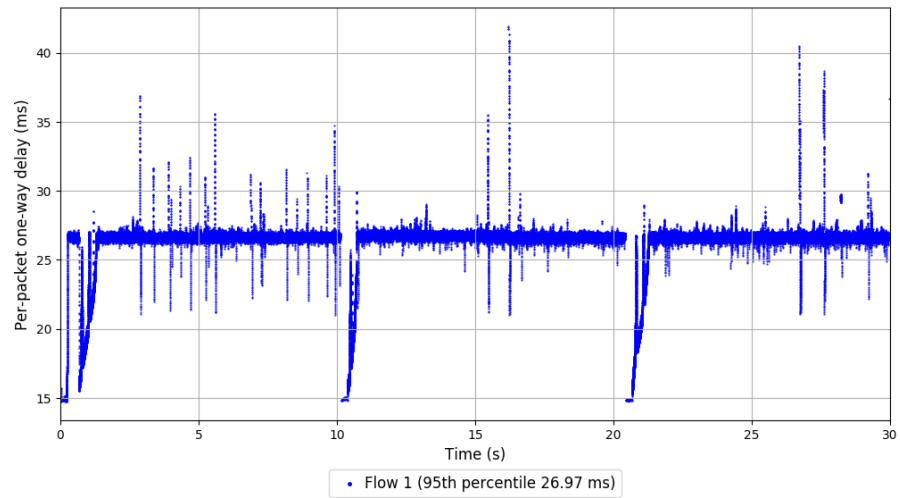
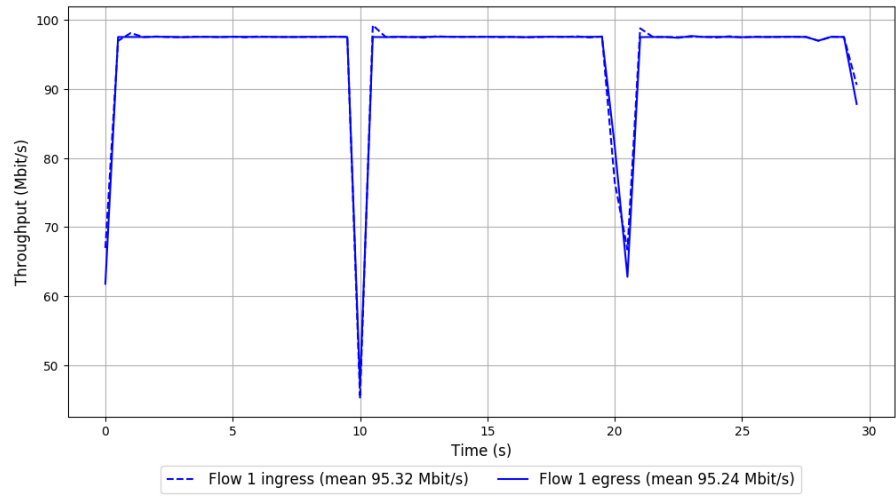
-- Flow 1:

Average throughput: 95.24 Mbit/s

95th percentile per-packet one-way delay: 26.974 ms

Loss rate: 0.14%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: 2017-09-03 01:01:55

End at: 2017-09-03 01:02:25

Local clock offset: -1.198 ms

Remote clock offset: -1.24 ms

# Below is generated by plot.py at 2017-09-03 07:22:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.23 Mbit/s

95th percentile per-packet one-way delay: 18.786 ms

Loss rate: 0.11%

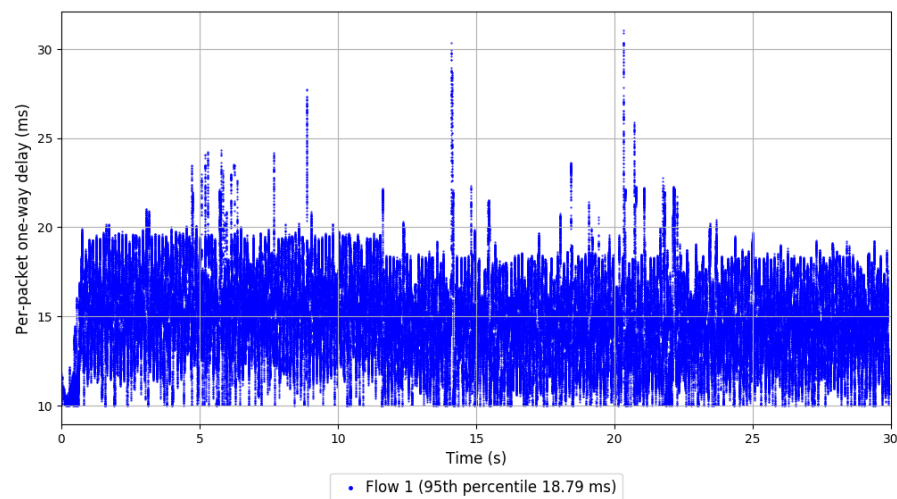
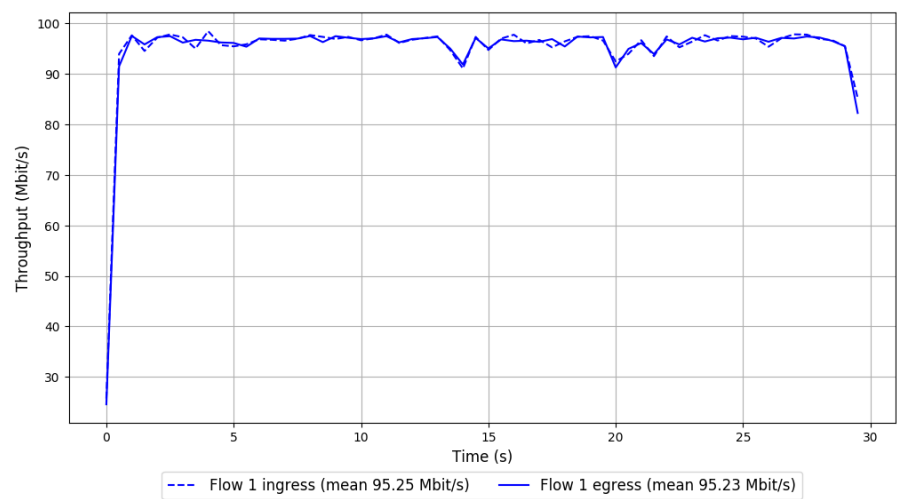
-- Flow 1:

Average throughput: 95.23 Mbit/s

95th percentile per-packet one-way delay: 18.786 ms

Loss rate: 0.11%

Run 1: Report of CalibratedKoho — Data Link

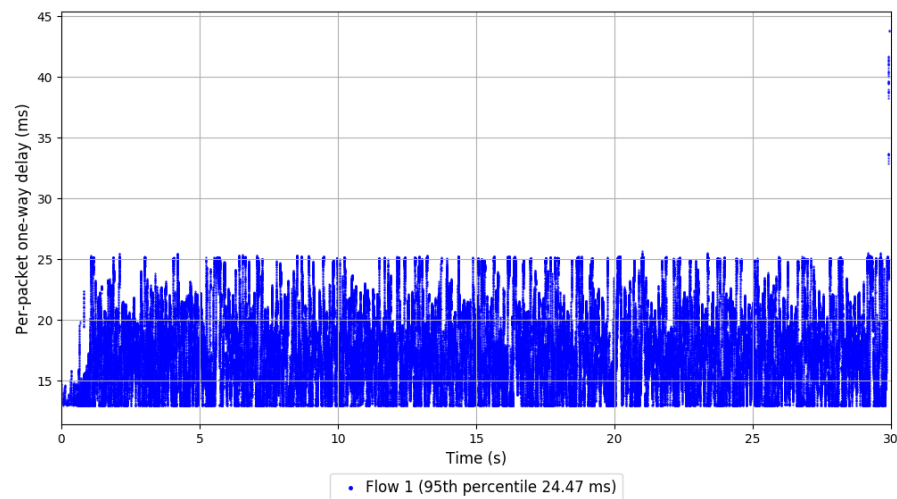
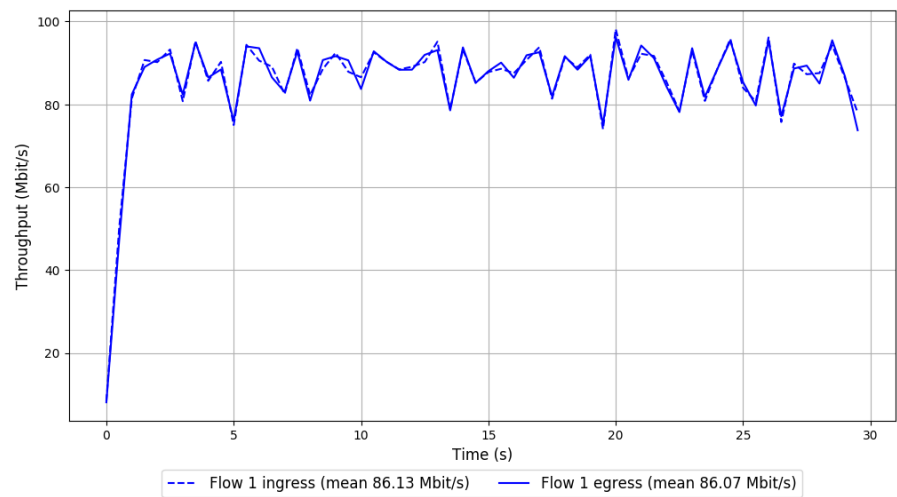


Run 2: Statistics of CalibratedKoho

Start at: 2017-09-03 01:19:23  
End at: 2017-09-03 01:19:53  
Local clock offset: -0.638 ms  
Remote clock offset: -3.733 ms

# Below is generated by plot.py at 2017-09-03 07:23:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.07 Mbit/s  
95th percentile per-packet one-way delay: 24.467 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 86.07 Mbit/s  
95th percentile per-packet one-way delay: 24.467 ms  
Loss rate: 0.13%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: 2017-09-03 01:37:20

End at: 2017-09-03 01:37:50

Local clock offset: -1.322 ms

Remote clock offset: -7.543 ms



Run 3: Report of CalibratedKoho — Data Link

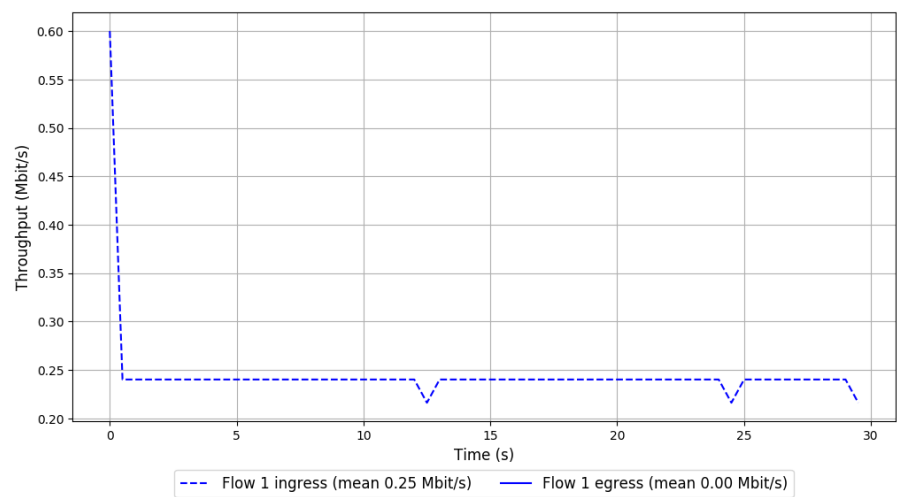


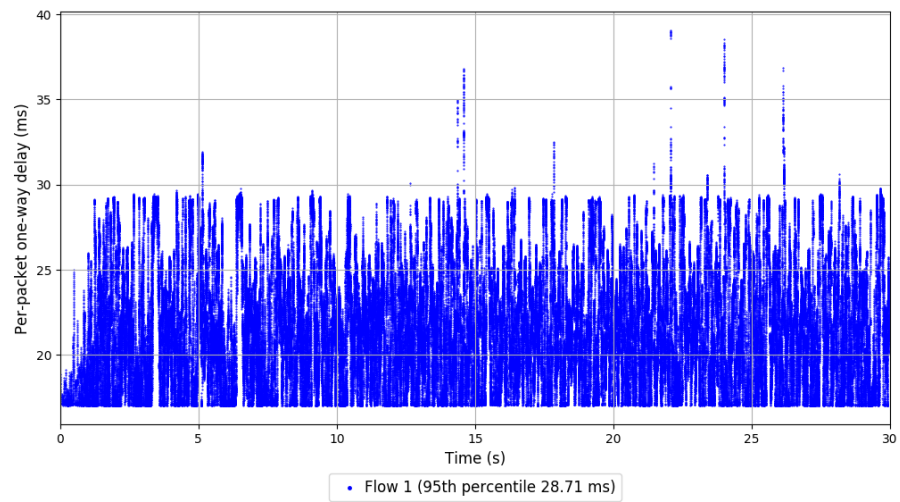
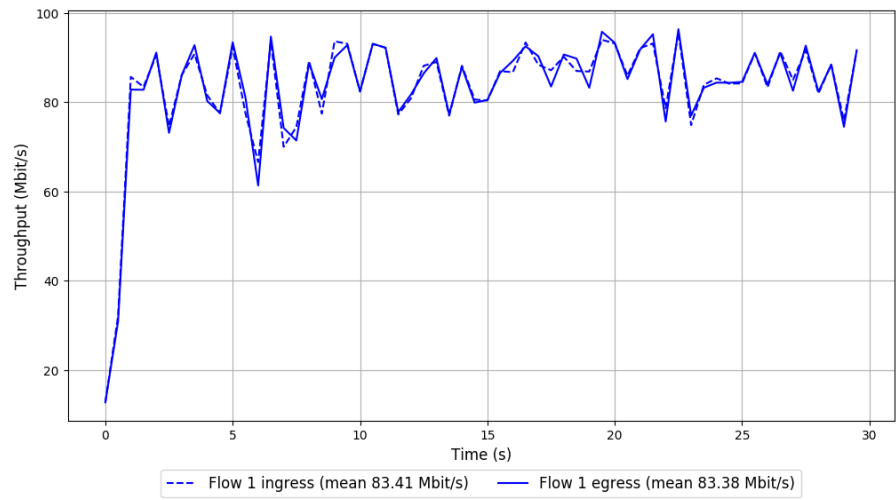
Figure is missing

Run 4: Statistics of CalibratedKoho

Start at: 2017-09-03 01:54:45  
End at: 2017-09-03 01:55:15  
Local clock offset: -0.384 ms  
Remote clock offset: -7.502 ms

# Below is generated by plot.py at 2017-09-03 07:23:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.38 Mbit/s  
95th percentile per-packet one-way delay: 28.714 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 83.38 Mbit/s  
95th percentile per-packet one-way delay: 28.714 ms  
Loss rate: 0.11%

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

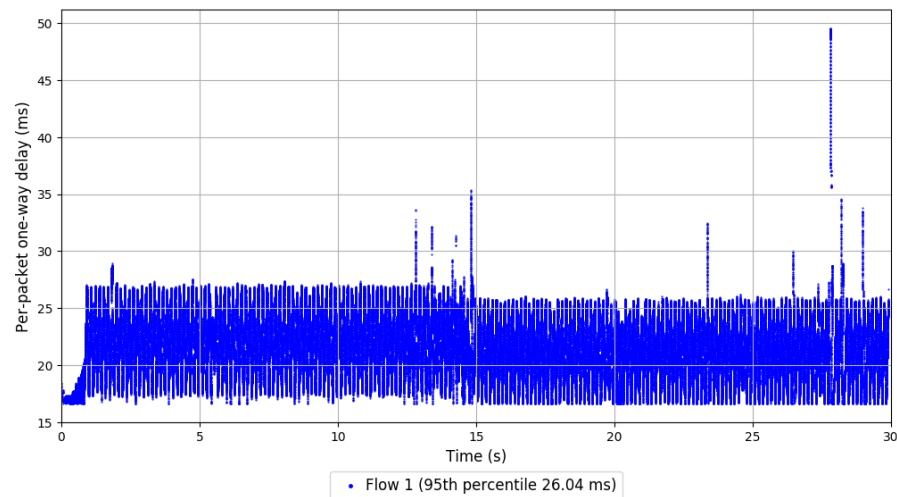
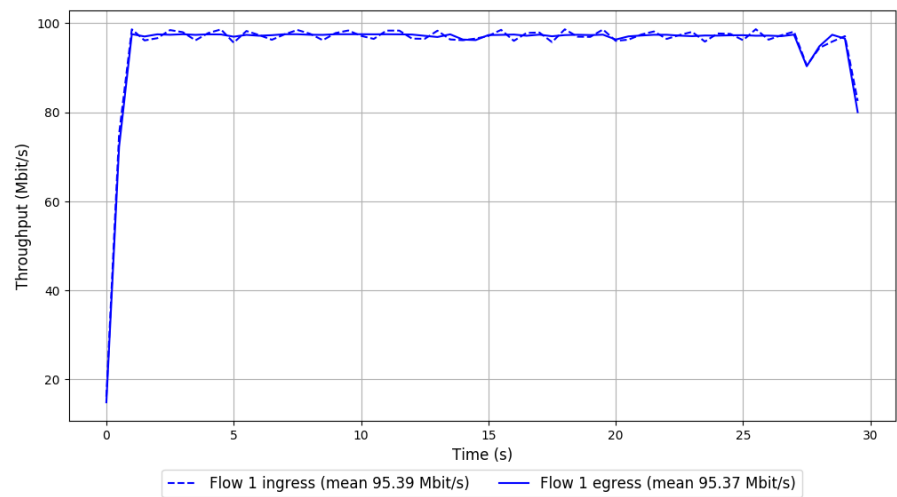


Run 5: Statistics of CalibratedKoho

Start at: 2017-09-03 02:12:47  
End at: 2017-09-03 02:13:17  
Local clock offset: -0.019 ms  
Remote clock offset: -6.689 ms

# Below is generated by plot.py at 2017-09-03 07:23:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.37 Mbit/s  
95th percentile per-packet one-way delay: 26.044 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 95.37 Mbit/s  
95th percentile per-packet one-way delay: 26.044 ms  
Loss rate: 0.11%

Run 5: Report of CalibratedKoho — Data Link

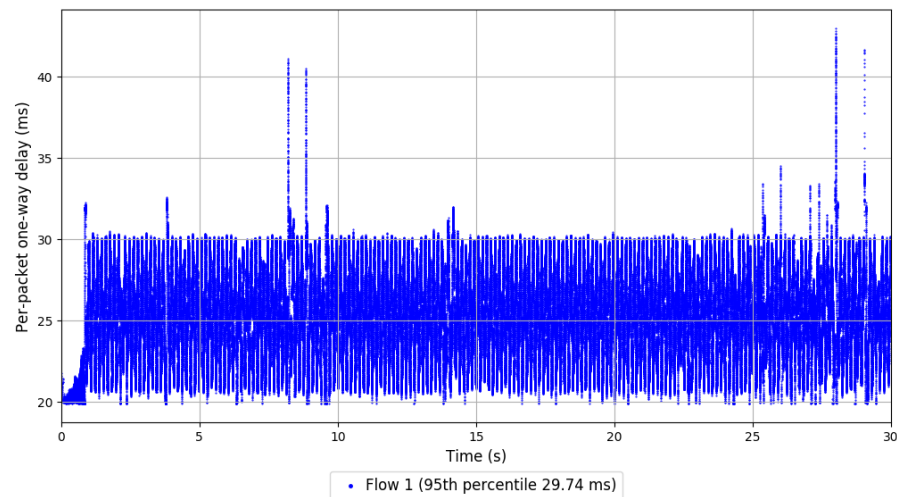
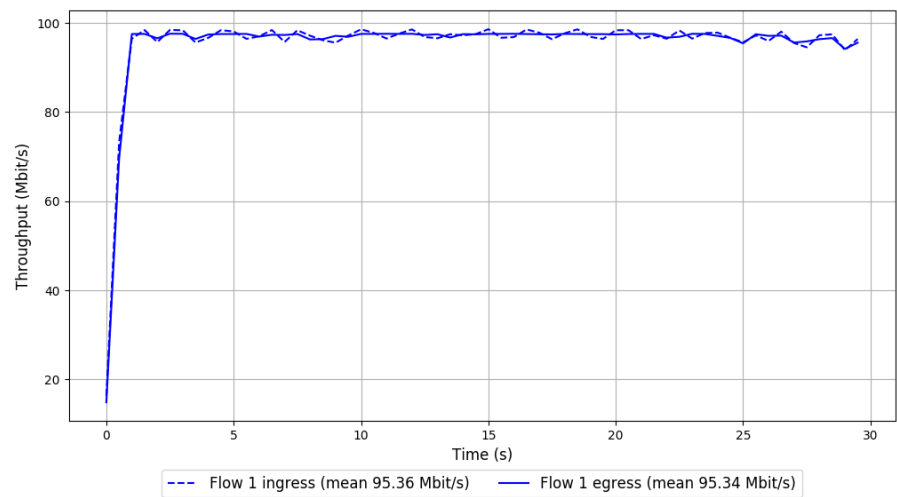


Run 6: Statistics of CalibratedKoho

Start at: 2017-09-03 02:30:34  
End at: 2017-09-03 02:31:04  
Local clock offset: 2.691 ms  
Remote clock offset: -7.198 ms

# Below is generated by plot.py at 2017-09-03 07:23:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.34 Mbit/s  
95th percentile per-packet one-way delay: 29.741 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 95.34 Mbit/s  
95th percentile per-packet one-way delay: 29.741 ms  
Loss rate: 0.10%

Run 6: Report of CalibratedKoho — Data Link



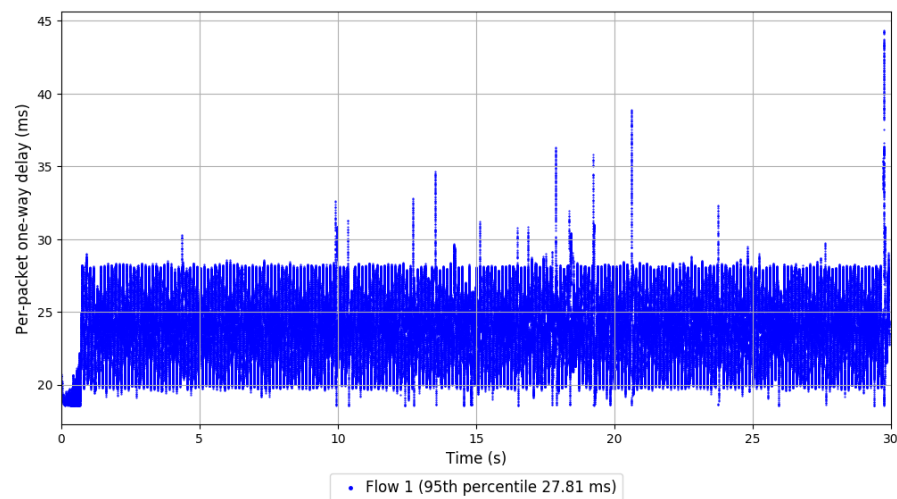
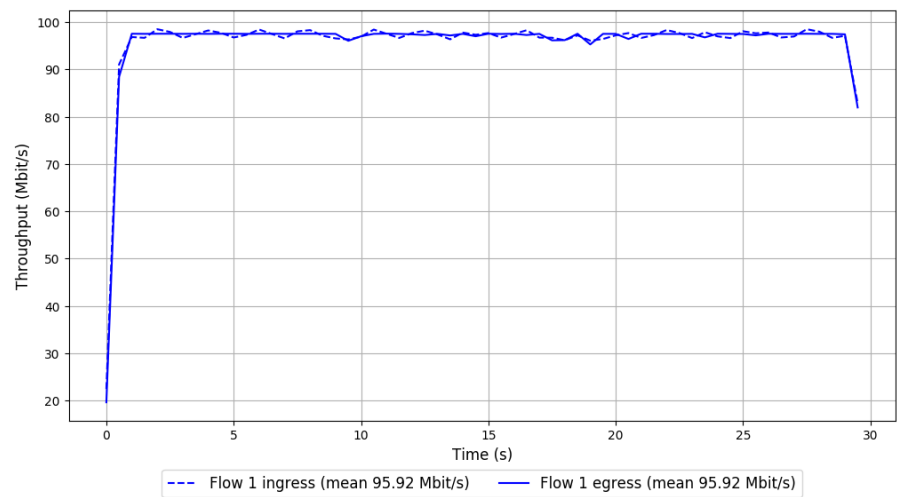
Run 7: Statistics of CalibratedKoho

Start at: 2017-09-03 02:48:28  
End at: 2017-09-03 02:48:58  
Local clock offset: 1.091 ms  
Remote clock offset: -7.421 ms

# Below is generated by plot.py at 2017-09-03 07:23:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.92 Mbit/s  
95th percentile per-packet one-way delay: 27.809 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 95.92 Mbit/s  
95th percentile per-packet one-way delay: 27.809 ms  
Loss rate: 0.09%



Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

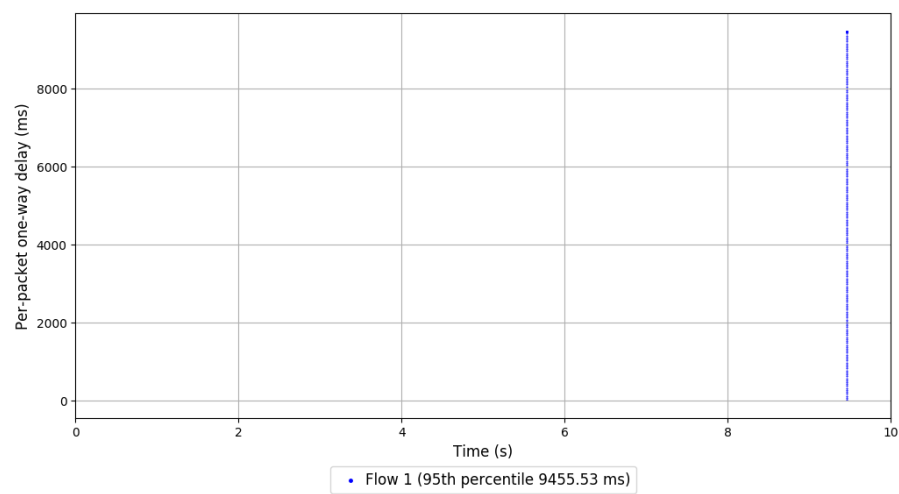
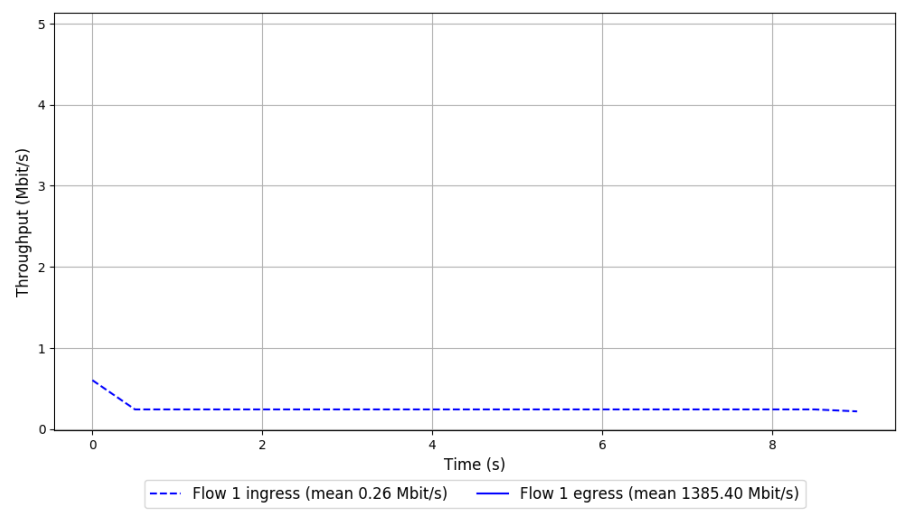
Start at: 2017-09-03 03:06:22

End at: 2017-09-03 03:06:52

Local clock offset: -1.982 ms

Remote clock offset: -6.221 ms

Run 8: Report of CalibratedKoho — Data Link

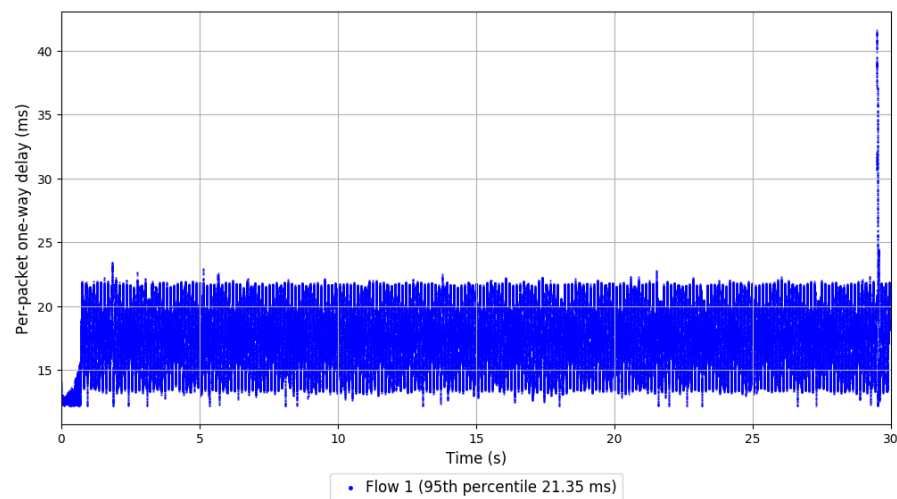
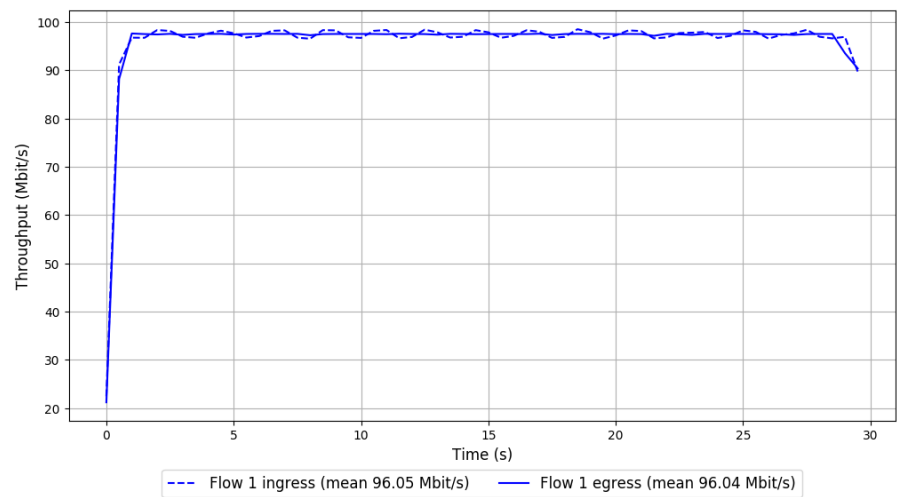


Run 9: Statistics of CalibratedKoho

Start at: 2017-09-03 03:24:05  
End at: 2017-09-03 03:24:35  
Local clock offset: -2.466 ms  
Remote clock offset: -4.599 ms

# Below is generated by plot.py at 2017-09-03 07:23:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.04 Mbit/s  
95th percentile per-packet one-way delay: 21.352 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 96.04 Mbit/s  
95th percentile per-packet one-way delay: 21.352 ms  
Loss rate: 0.09%

Run 9: Report of CalibratedKoho — Data Link

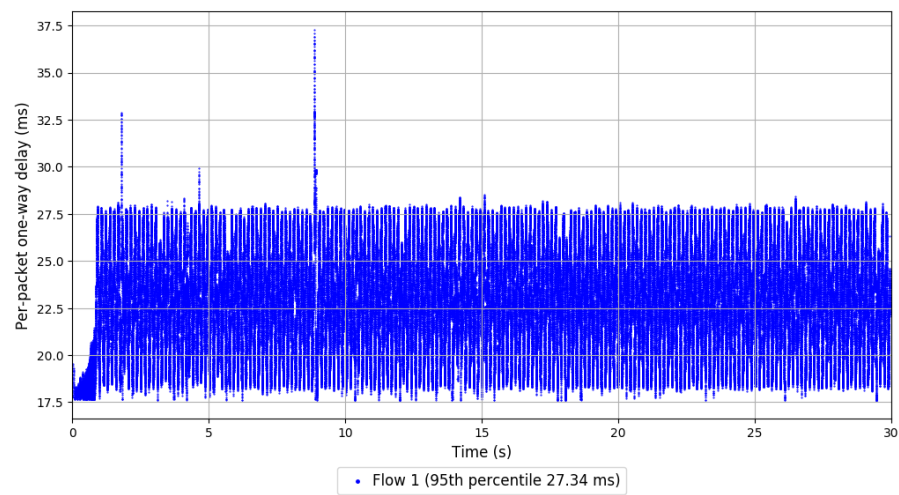
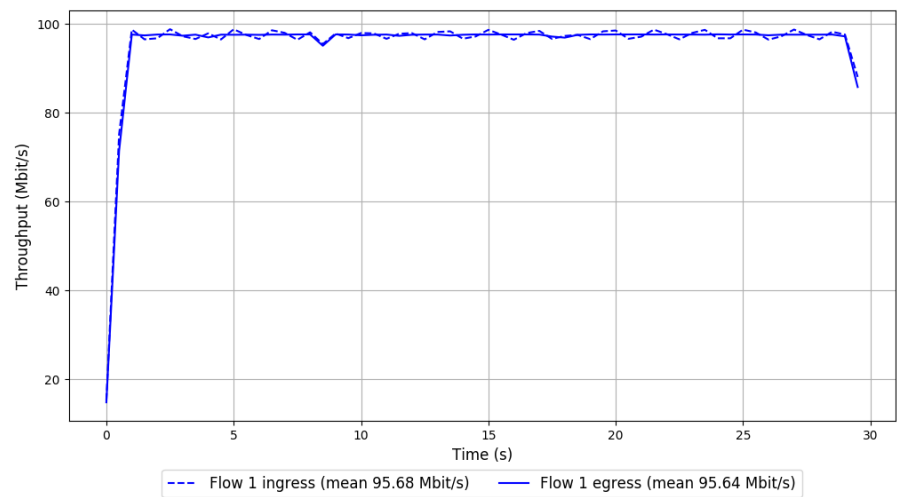


Run 10: Statistics of CalibratedKoho

Start at: 2017-09-03 03:42:11  
End at: 2017-09-03 03:42:41  
Local clock offset: 2.014 ms  
Remote clock offset: -5.536 ms

# Below is generated by plot.py at 2017-09-03 07:23:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.64 Mbit/s  
95th percentile per-packet one-way delay: 27.336 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 95.64 Mbit/s  
95th percentile per-packet one-way delay: 27.336 ms  
Loss rate: 0.12%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: 2017-09-03 00:59:38

End at: 2017-09-03 01:00:08

Local clock offset: 0.329 ms

Remote clock offset: -2.101 ms

# Below is generated by plot.py at 2017-09-03 07:23:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 66.95 Mbit/s

95th percentile per-packet one-way delay: 12.741 ms

Loss rate: 0.08%

-- Flow 1:

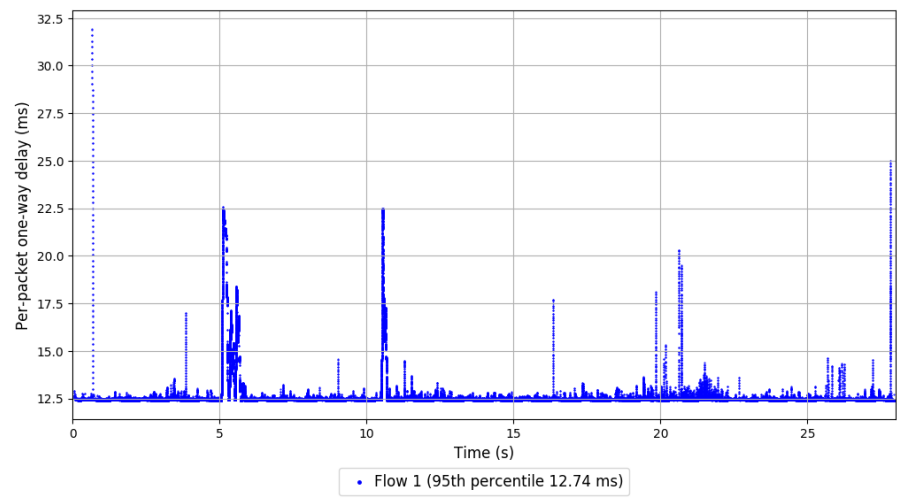
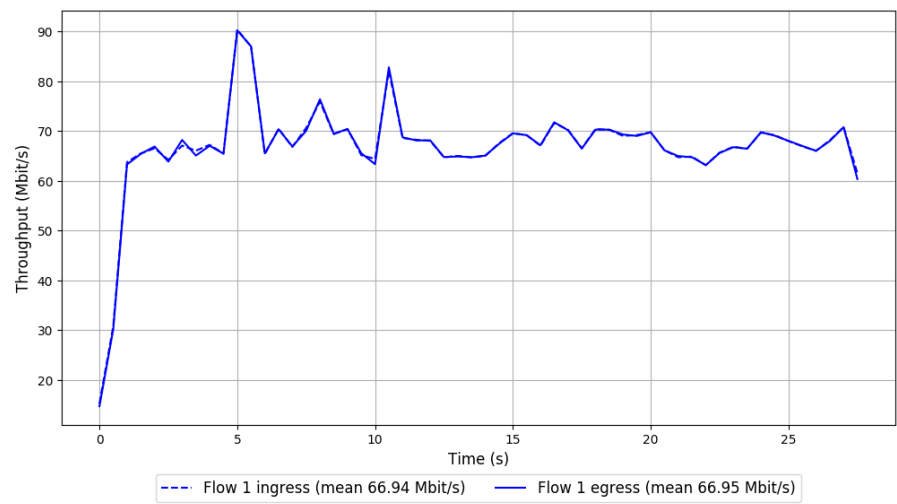
Average throughput: 66.95 Mbit/s

95th percentile per-packet one-way delay: 12.741 ms

Loss rate: 0.08%



Run 1: Report of Copa — Data Link

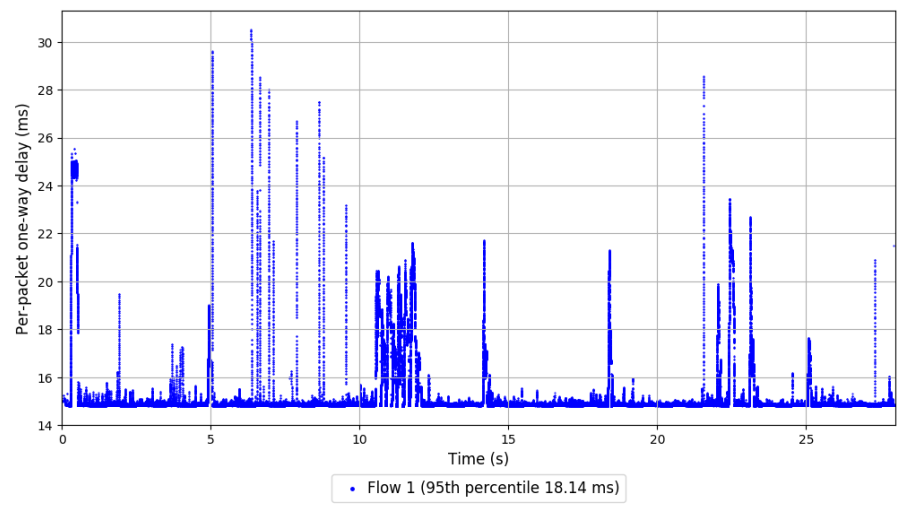
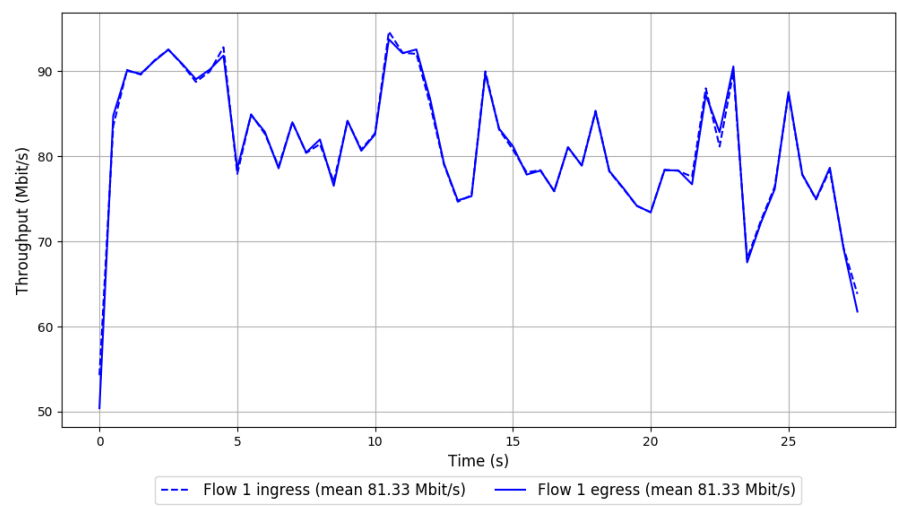


Run 2: Statistics of Copa

Start at: 2017-09-03 01:17:00  
End at: 2017-09-03 01:17:30  
Local clock offset: 0.053 ms  
Remote clock offset: -4.906 ms

# Below is generated by plot.py at 2017-09-03 07:24:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.33 Mbit/s  
95th percentile per-packet one-way delay: 18.139 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 81.33 Mbit/s  
95th percentile per-packet one-way delay: 18.139 ms  
Loss rate: 0.09%

Run 2: Report of Copa — Data Link

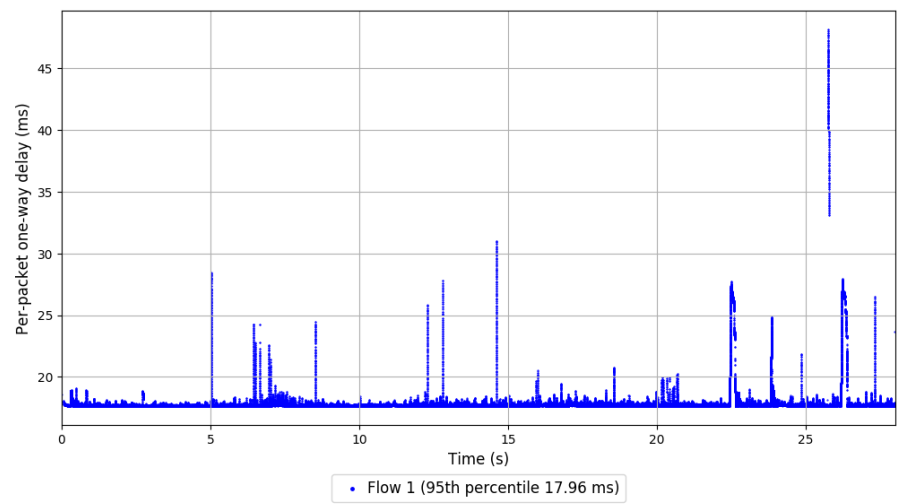
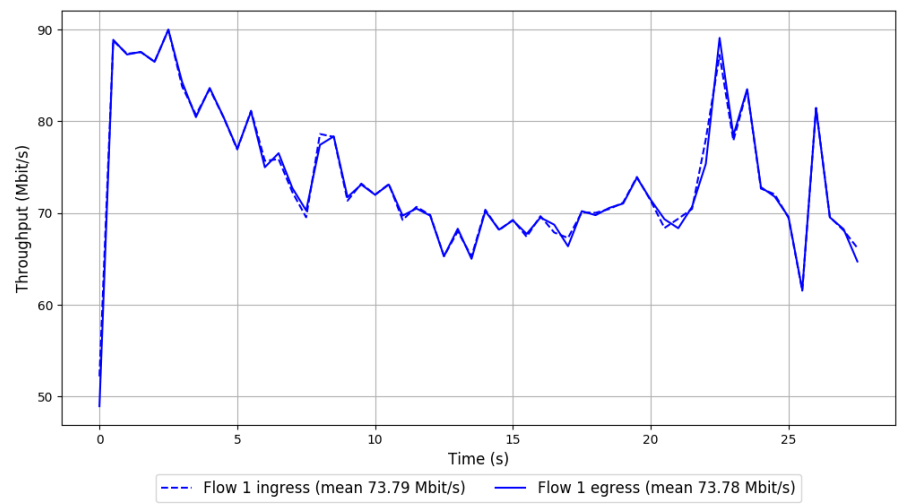


Run 3: Statistics of Copa

Start at: 2017-09-03 01:34:52  
End at: 2017-09-03 01:35:22  
Local clock offset: 0.125 ms  
Remote clock offset: -7.647 ms

# Below is generated by plot.py at 2017-09-03 07:24:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 73.78 Mbit/s  
95th percentile per-packet one-way delay: 17.958 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 73.78 Mbit/s  
95th percentile per-packet one-way delay: 17.958 ms  
Loss rate: 0.09%

Run 3: Report of Copa — Data Link

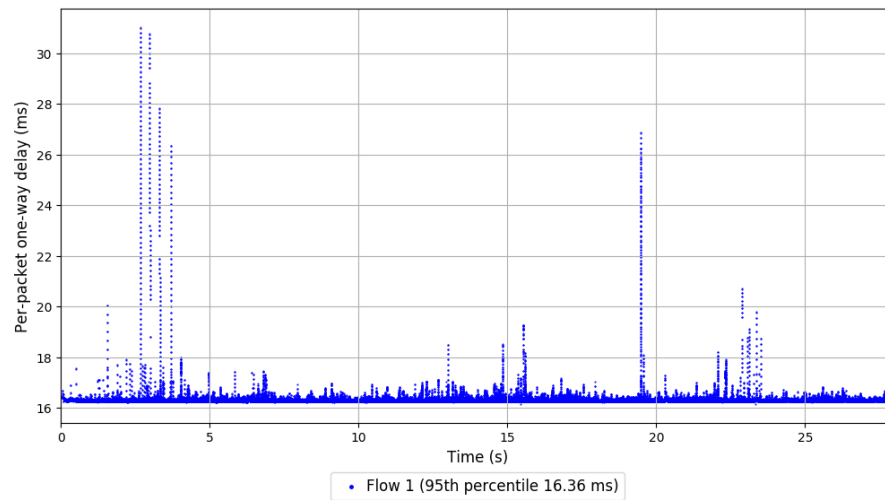
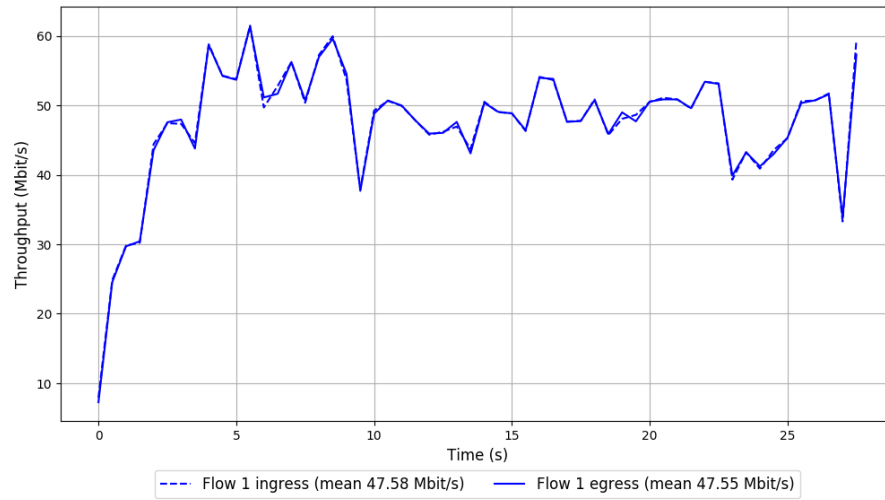


Run 4: Statistics of Copa

Start at: 2017-09-03 01:52:28  
End at: 2017-09-03 01:52:58  
Local clock offset: 0.213 ms  
Remote clock offset: -6.115 ms

# Below is generated by plot.py at 2017-09-03 07:24:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 47.55 Mbit/s  
95th percentile per-packet one-way delay: 16.361 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 47.55 Mbit/s  
95th percentile per-packet one-way delay: 16.361 ms  
Loss rate: 0.13%

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



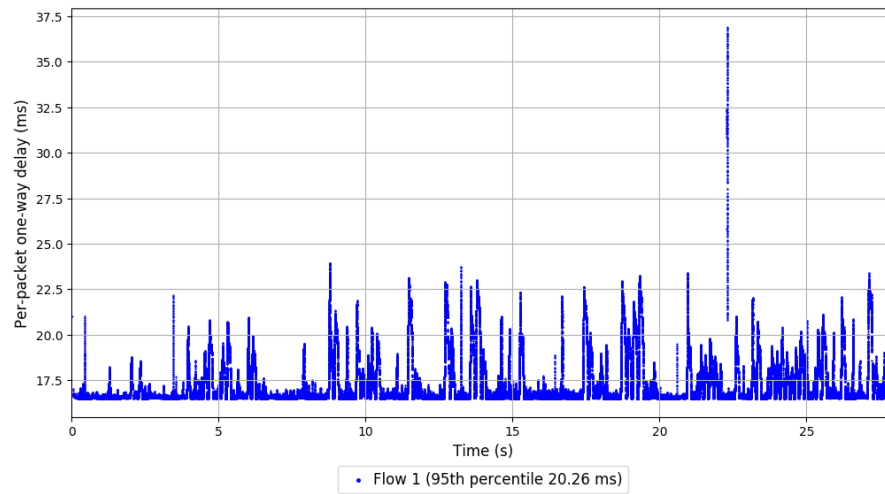
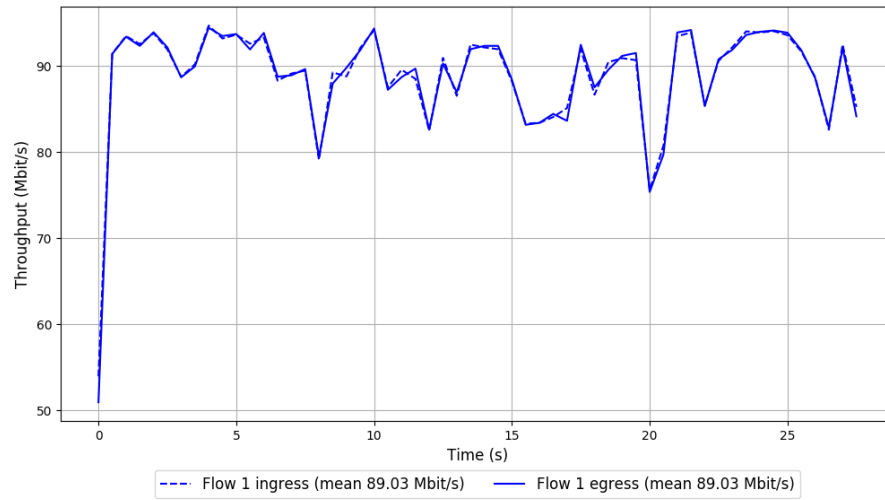
Run 5: Statistics of Copa

Start at: 2017-09-03 02:10:17  
End at: 2017-09-03 02:10:47  
Local clock offset: 0.129 ms  
Remote clock offset: -6.385 ms

# Below is generated by plot.py at 2017-09-03 07:24:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.03 Mbit/s  
95th percentile per-packet one-way delay: 20.258 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 89.03 Mbit/s  
95th percentile per-packet one-way delay: 20.258 ms  
Loss rate: 0.08%



### Run 5: Report of Copa — Data Link

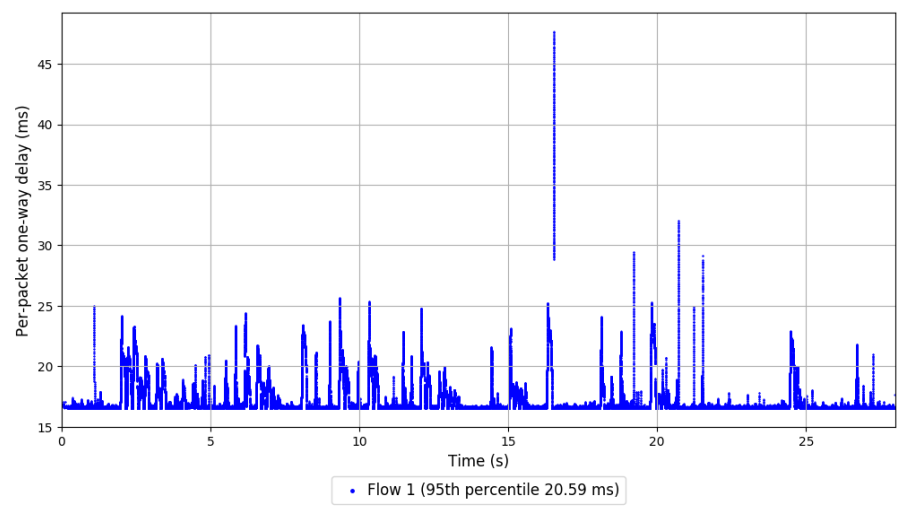
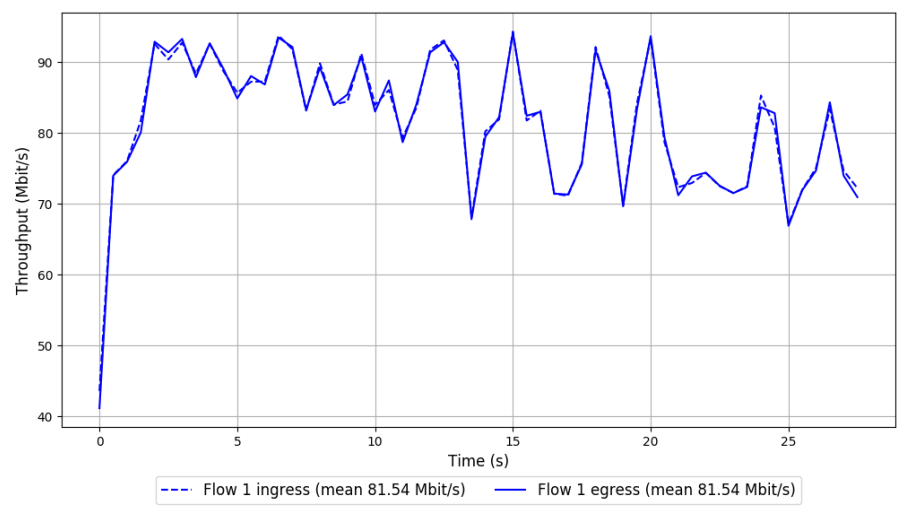


Run 6: Statistics of Copa

Start at: 2017-09-03 02:28:07  
End at: 2017-09-03 02:28:37  
Local clock offset: -0.973 ms  
Remote clock offset: -7.491 ms

# Below is generated by plot.py at 2017-09-03 07:24:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.54 Mbit/s  
95th percentile per-packet one-way delay: 20.586 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 81.54 Mbit/s  
95th percentile per-packet one-way delay: 20.586 ms  
Loss rate: 0.08%

Run 6: Report of Copa — Data Link

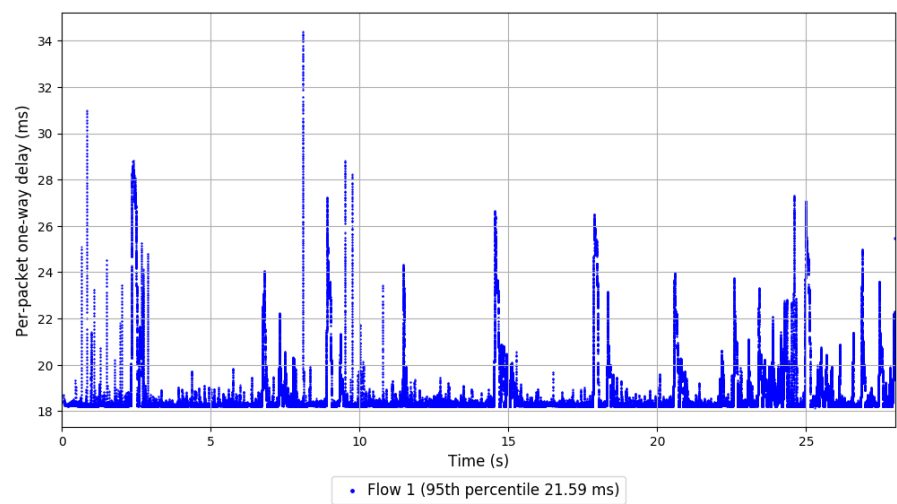
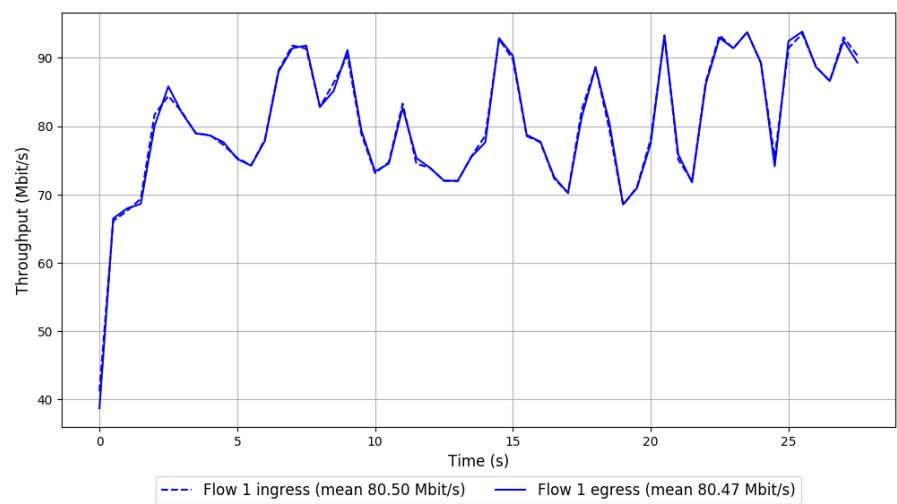


Run 7: Statistics of Copa

Start at: 2017-09-03 02:45:57  
End at: 2017-09-03 02:46:27  
Local clock offset: 2.108 ms  
Remote clock offset: -6.042 ms

# Below is generated by plot.py at 2017-09-03 07:24:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.47 Mbit/s  
95th percentile per-packet one-way delay: 21.595 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 80.47 Mbit/s  
95th percentile per-packet one-way delay: 21.595 ms  
Loss rate: 0.11%

Run 7: Report of Copa — Data Link

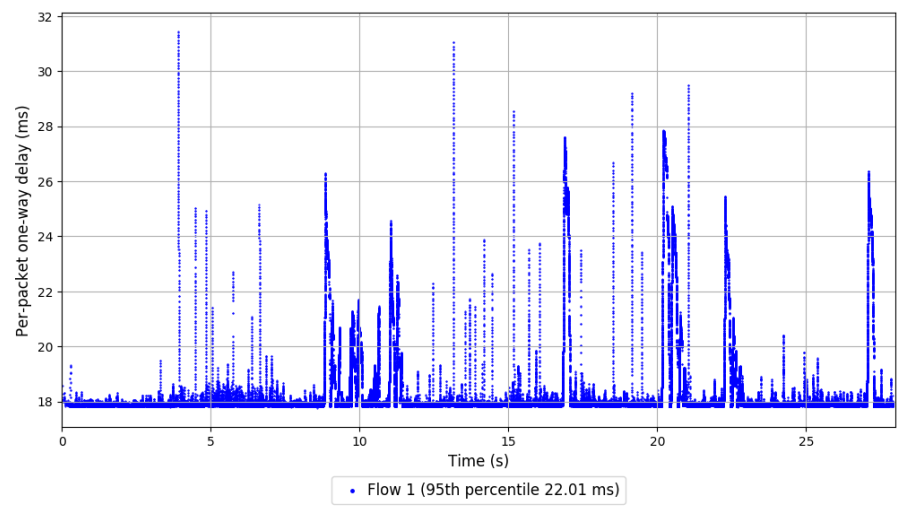
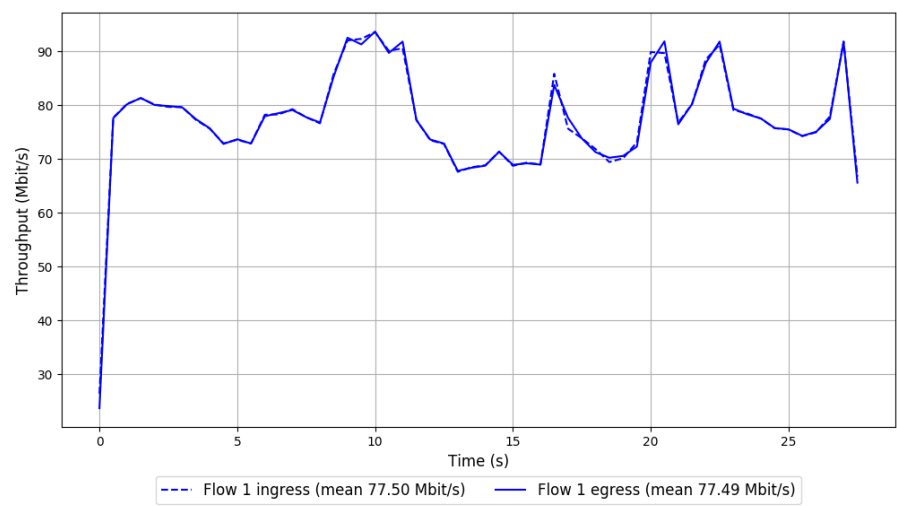


Run 8: Statistics of Copa

Start at: 2017-09-03 03:03:54  
End at: 2017-09-03 03:04:24  
Local clock offset: 1.468 ms  
Remote clock offset: -6.279 ms

# Below is generated by plot.py at 2017-09-03 07:24:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.49 Mbit/s  
95th percentile per-packet one-way delay: 22.013 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 77.49 Mbit/s  
95th percentile per-packet one-way delay: 22.013 ms  
Loss rate: 0.10%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2017-09-03 03:21:48

End at: 2017-09-03 03:22:18

Local clock offset: -2.419 ms

Remote clock offset: -5.226 ms



Run 9: Report of Copa — Data Link

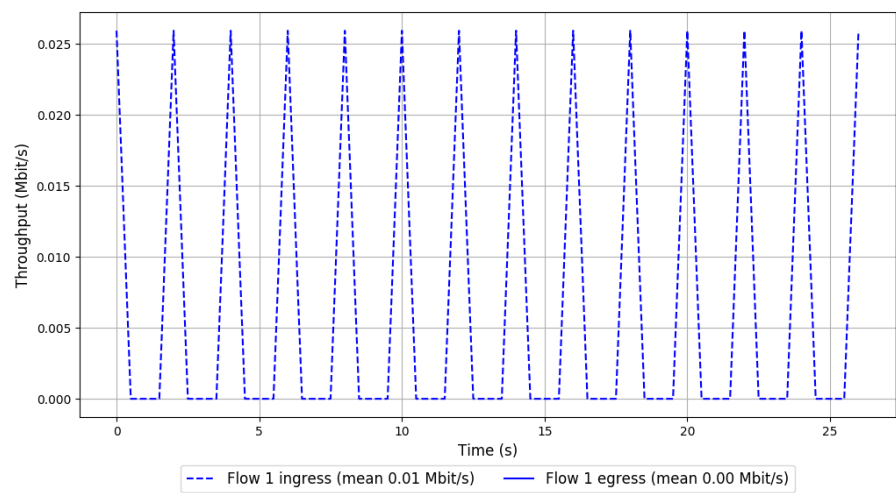


Figure is missing

Run 10: Statistics of Copa

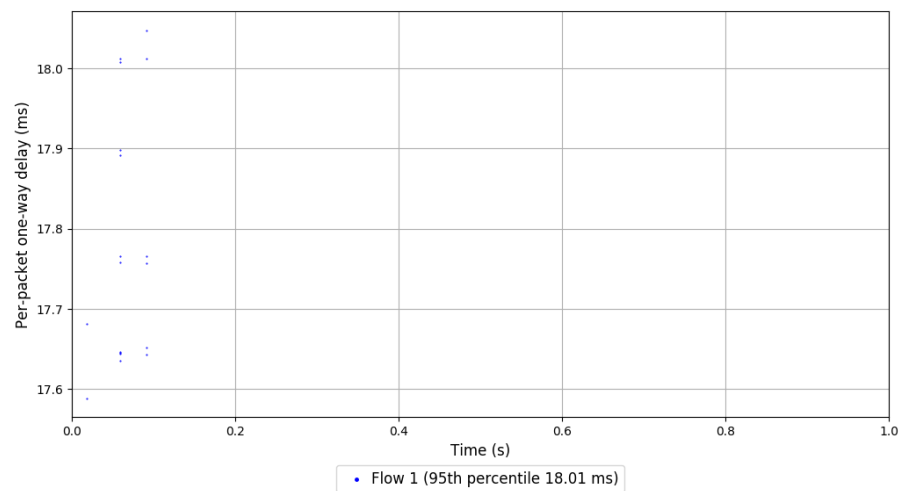
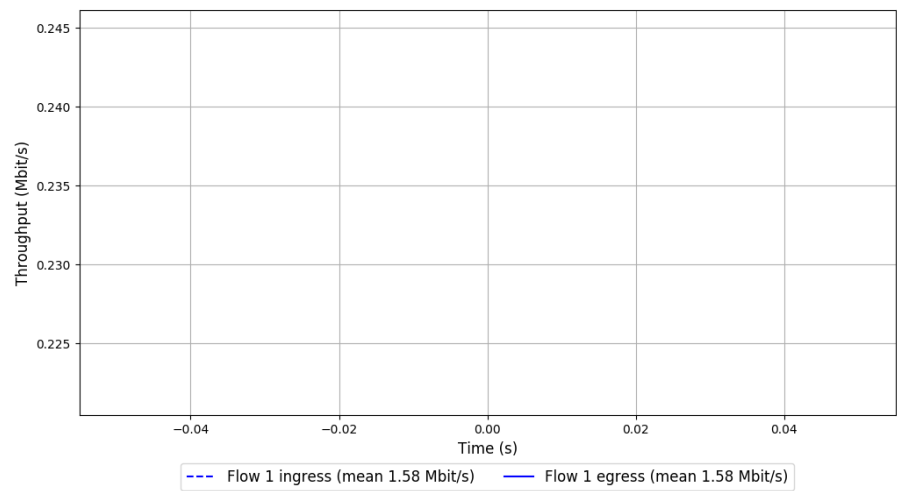
Start at: 2017-09-03 03:39:55

End at: 2017-09-03 03:40:25

Local clock offset: 1.306 ms

Remote clock offset: -6.137 ms

Run 10: Report of Copa — Data Link

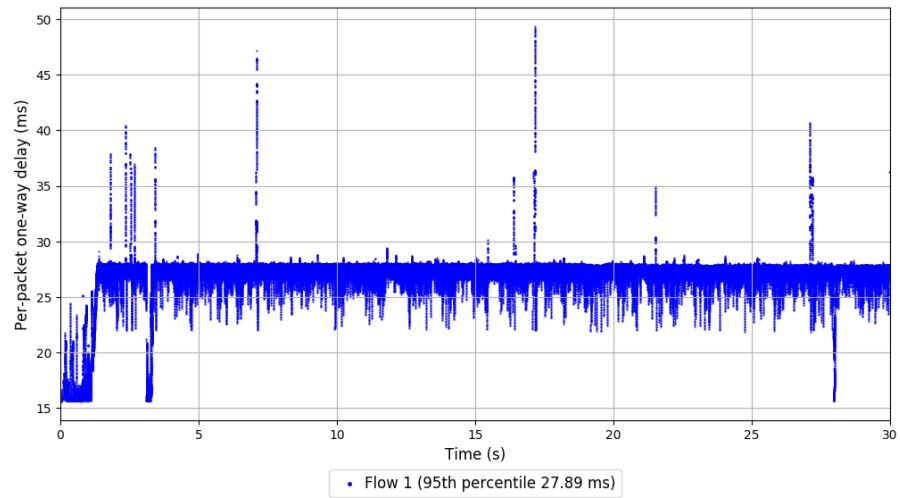
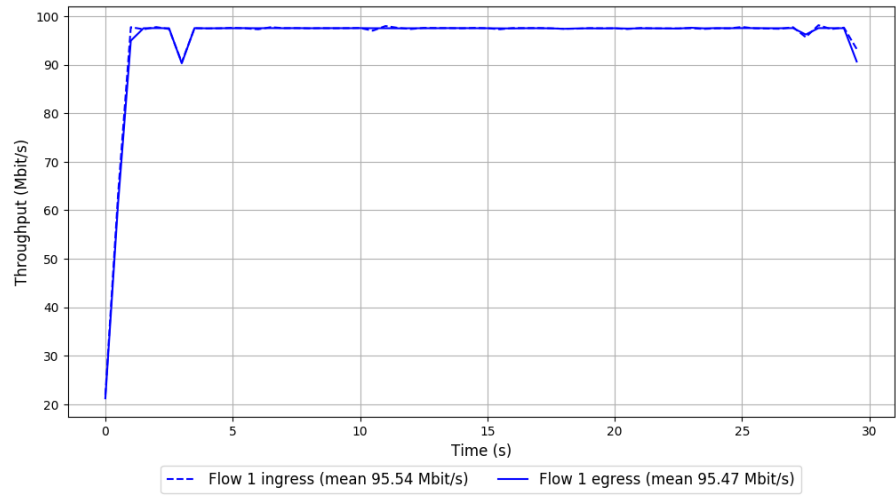


Run 1: Statistics of TCP Cubic

Start at: 2017-09-03 00:57:22  
End at: 2017-09-03 00:57:52  
Local clock offset: 1.39 ms  
Remote clock offset: -4.242 ms

# Below is generated by plot.py at 2017-09-03 07:24:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.47 Mbit/s  
95th percentile per-packet one-way delay: 27.895 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 95.47 Mbit/s  
95th percentile per-packet one-way delay: 27.895 ms  
Loss rate: 0.14%

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

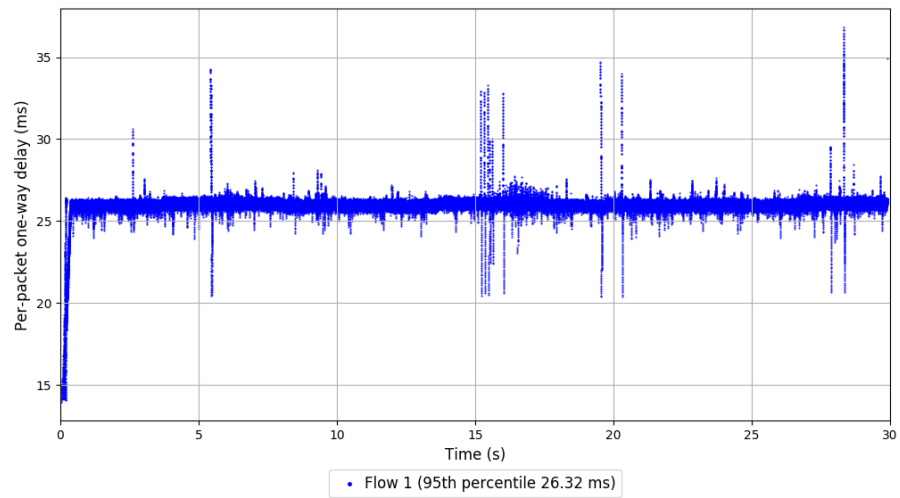
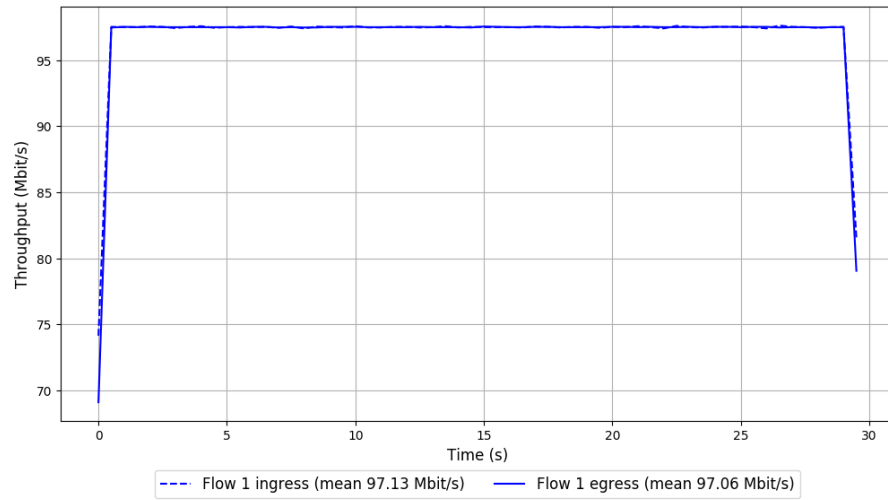


Run 2: Statistics of TCP Cubic

Start at: 2017-09-03 01:14:45  
End at: 2017-09-03 01:15:15  
Local clock offset: -0.026 ms  
Remote clock offset: -4.251 ms

# Below is generated by plot.py at 2017-09-03 07:25:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.06 Mbit/s  
95th percentile per-packet one-way delay: 26.324 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 97.06 Mbit/s  
95th percentile per-packet one-way delay: 26.324 ms  
Loss rate: 0.13%

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



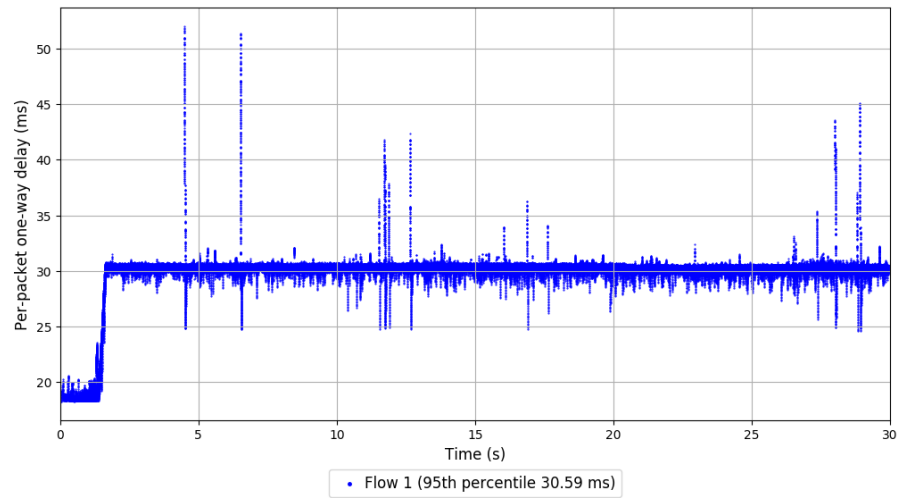
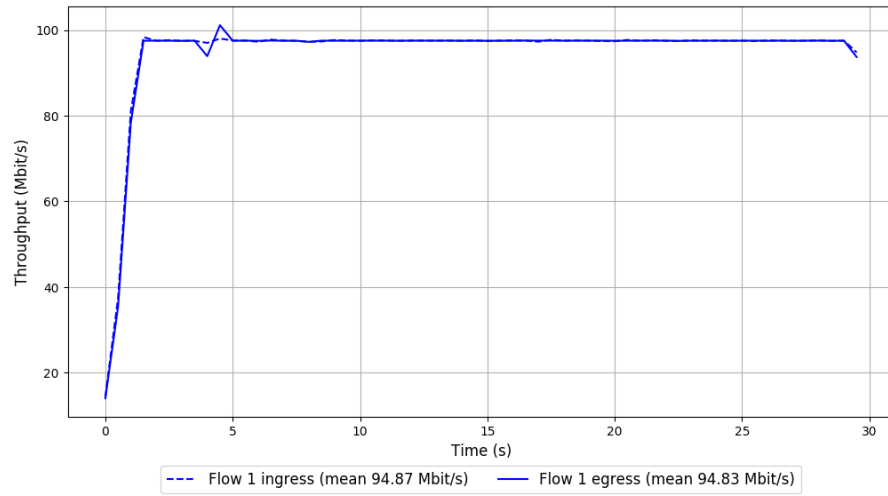
Run 3: Statistics of TCP Cubic

Start at: 2017-09-03 01:32:33  
End at: 2017-09-03 01:33:03  
Local clock offset: 1.339 ms  
Remote clock offset: -7.157 ms

# Below is generated by plot.py at 2017-09-03 07:25:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.83 Mbit/s  
95th percentile per-packet one-way delay: 30.592 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 94.83 Mbit/s  
95th percentile per-packet one-way delay: 30.592 ms  
Loss rate: 0.12%



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

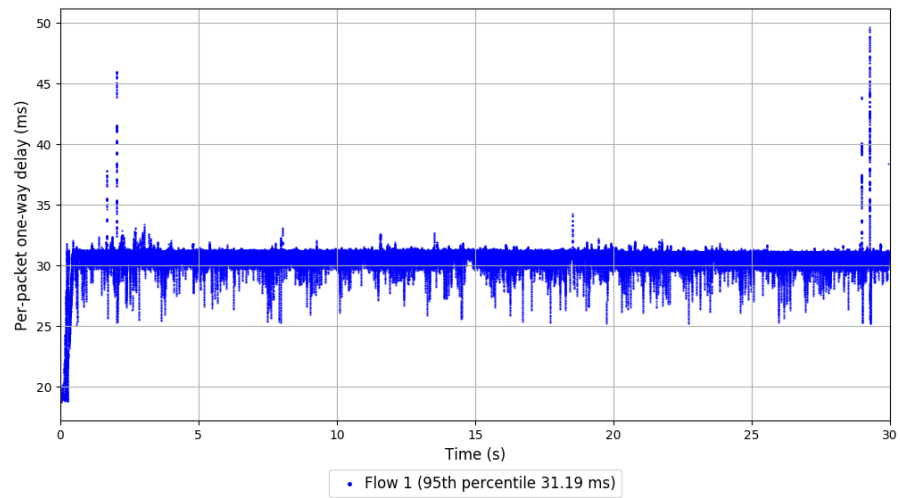
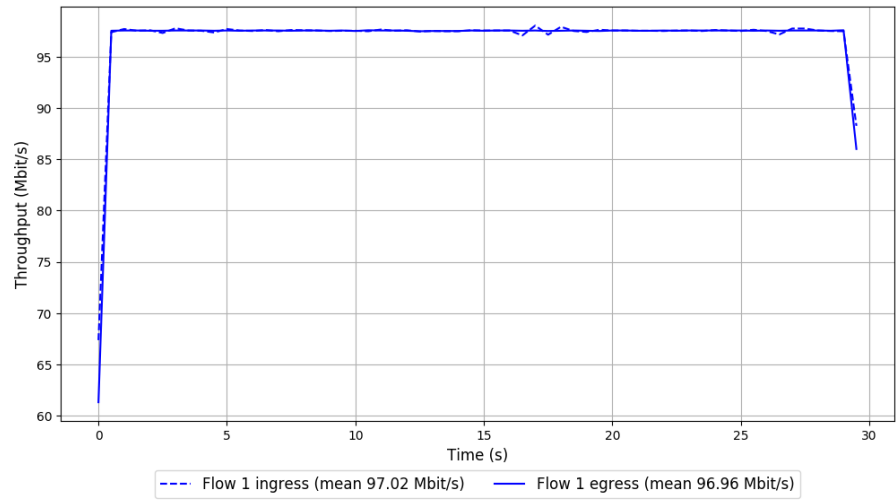


Run 4: Statistics of TCP Cubic

Start at: 2017-09-03 01:50:11  
End at: 2017-09-03 01:50:41  
Local clock offset: 1.299 ms  
Remote clock offset: -7.649 ms

# Below is generated by plot.py at 2017-09-03 07:25:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.96 Mbit/s  
95th percentile per-packet one-way delay: 31.189 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 96.96 Mbit/s  
95th percentile per-packet one-way delay: 31.189 ms  
Loss rate: 0.14%

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

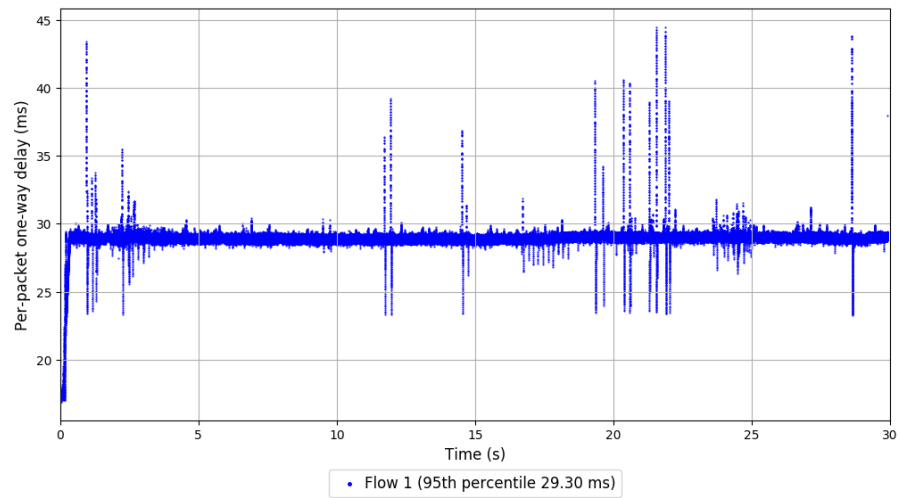
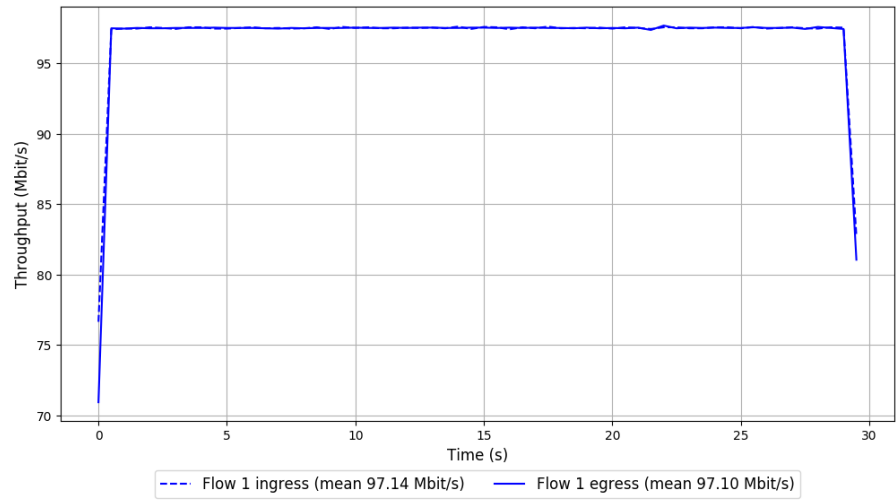


Run 5: Statistics of TCP Cubic

Start at: 2017-09-03 02:07:58  
End at: 2017-09-03 02:08:28  
Local clock offset: 0.873 ms  
Remote clock offset: -6.157 ms

# Below is generated by plot.py at 2017-09-03 07:25:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.10 Mbit/s  
95th percentile per-packet one-way delay: 29.296 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 97.10 Mbit/s  
95th percentile per-packet one-way delay: 29.296 ms  
Loss rate: 0.13%

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

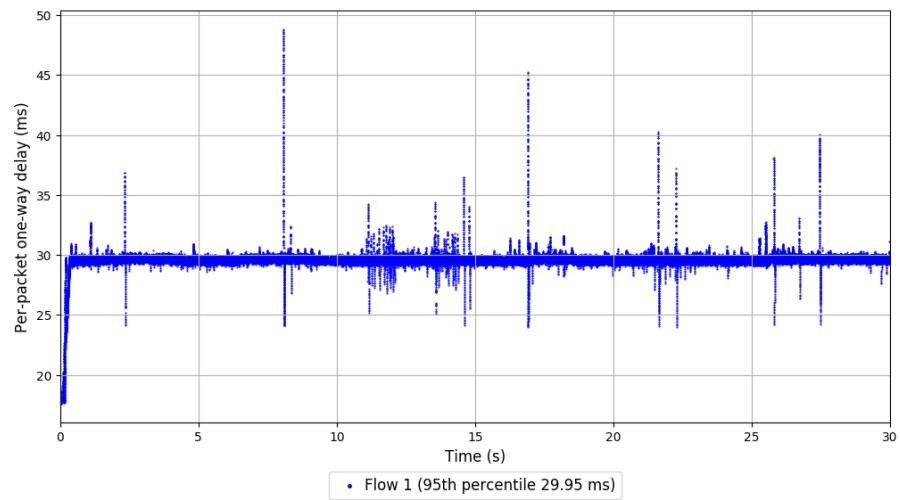
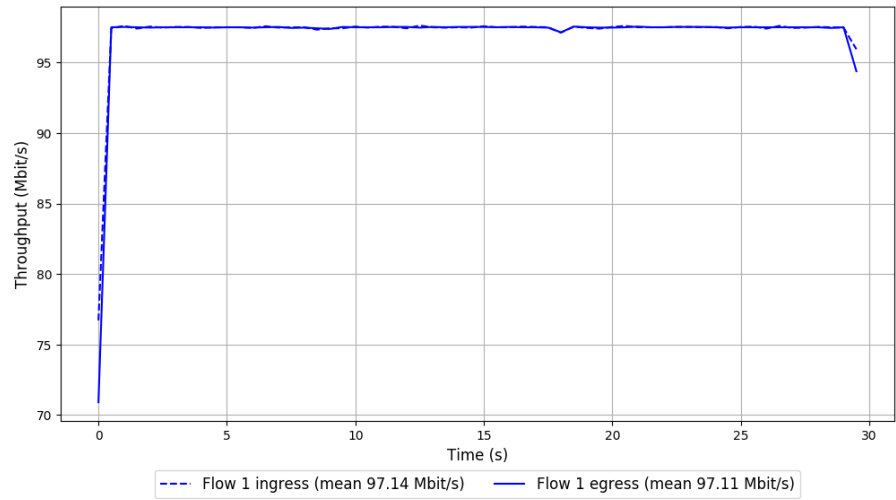


Run 6: Statistics of TCP Cubic

Start at: 2017-09-03 02:25:47  
End at: 2017-09-03 02:26:17  
Local clock offset: 1.334 ms  
Remote clock offset: -6.286 ms

# Below is generated by plot.py at 2017-09-03 07:25:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.11 Mbit/s  
95th percentile per-packet one-way delay: 29.945 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 97.11 Mbit/s  
95th percentile per-packet one-way delay: 29.945 ms  
Loss rate: 0.13%

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



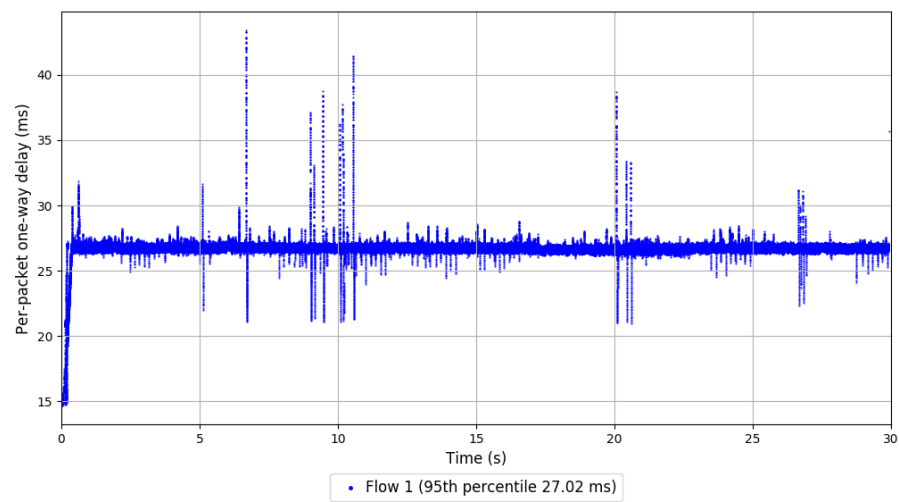
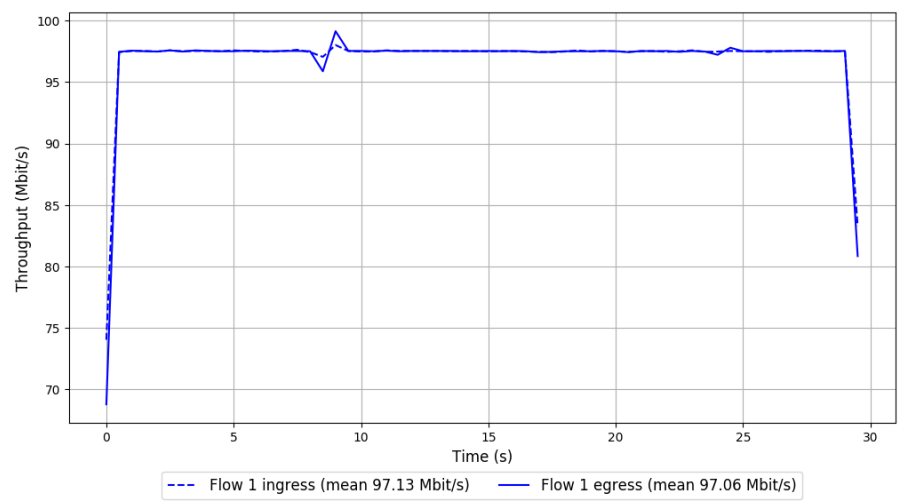
Run 7: Statistics of TCP Cubic

Start at: 2017-09-03 02:43:40  
End at: 2017-09-03 02:44:10  
Local clock offset: -2.046 ms  
Remote clock offset: -6.669 ms

# Below is generated by plot.py at 2017-09-03 07:25:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.06 Mbit/s  
95th percentile per-packet one-way delay: 27.025 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 97.06 Mbit/s  
95th percentile per-packet one-way delay: 27.025 ms  
Loss rate: 0.13%



Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: 2017-09-03 03:01:35

End at: 2017-09-03 03:02:05

Local clock offset: 1.64 ms

Remote clock offset: -6.31 ms

# Below is generated by plot.py at 2017-09-03 07:25:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 30.338 ms

Loss rate: 0.12%

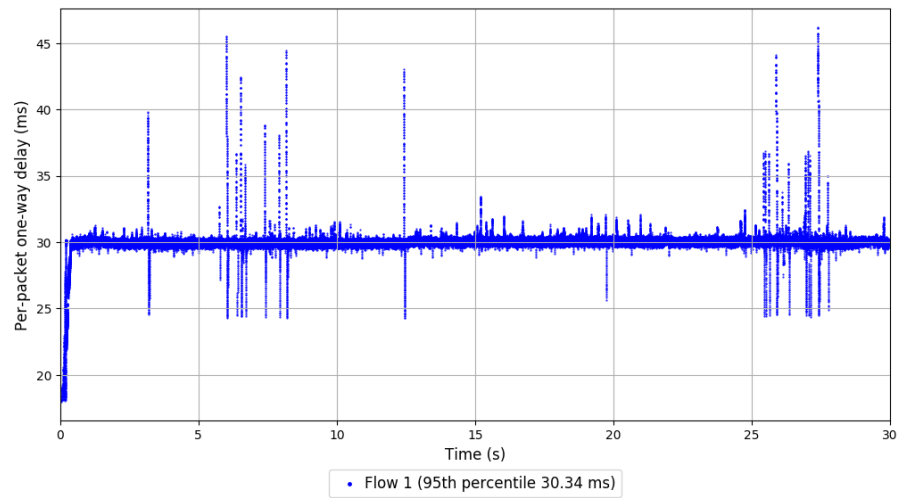
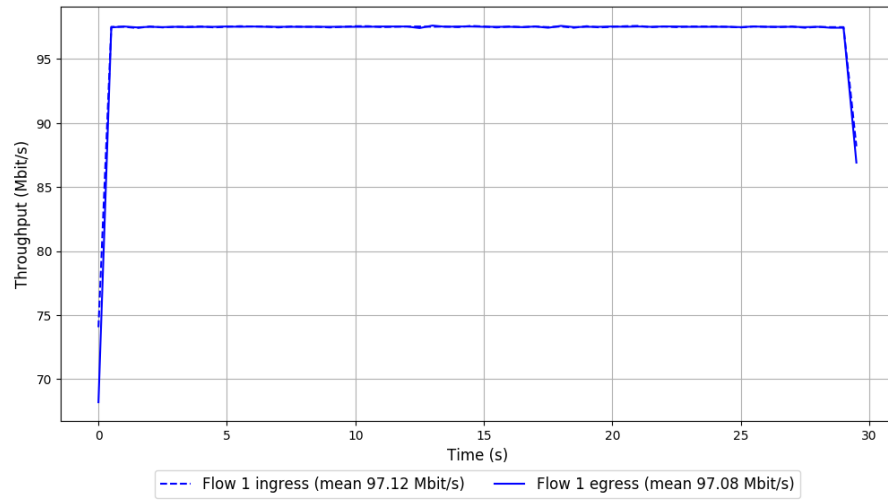
-- Flow 1:

Average throughput: 97.08 Mbit/s

95th percentile per-packet one-way delay: 30.338 ms

Loss rate: 0.12%

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

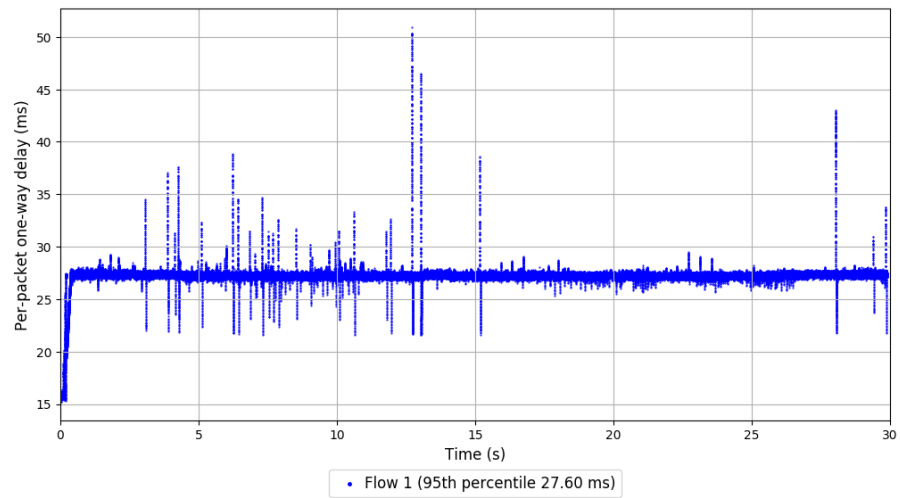
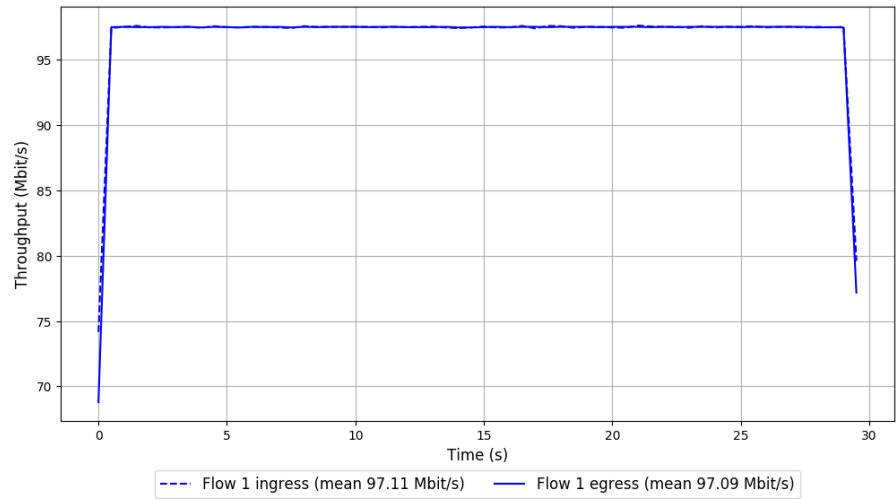


Run 9: Statistics of TCP Cubic

Start at: 2017-09-03 03:19:30  
End at: 2017-09-03 03:20:00  
Local clock offset: -0.072 ms  
Remote clock offset: -5.331 ms

# Below is generated by plot.py at 2017-09-03 07:25:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.09 Mbit/s  
95th percentile per-packet one-way delay: 27.596 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 97.09 Mbit/s  
95th percentile per-packet one-way delay: 27.596 ms  
Loss rate: 0.13%

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



Run 10: Statistics of TCP Cubic

Start at: 2017-09-03 03:37:36

End at: 2017-09-03 03:38:06

Local clock offset: 0.229 ms

Remote clock offset: -6.404 ms

# Below is generated by plot.py at 2017-09-03 07:26:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 29.001 ms

Loss rate: 0.13%

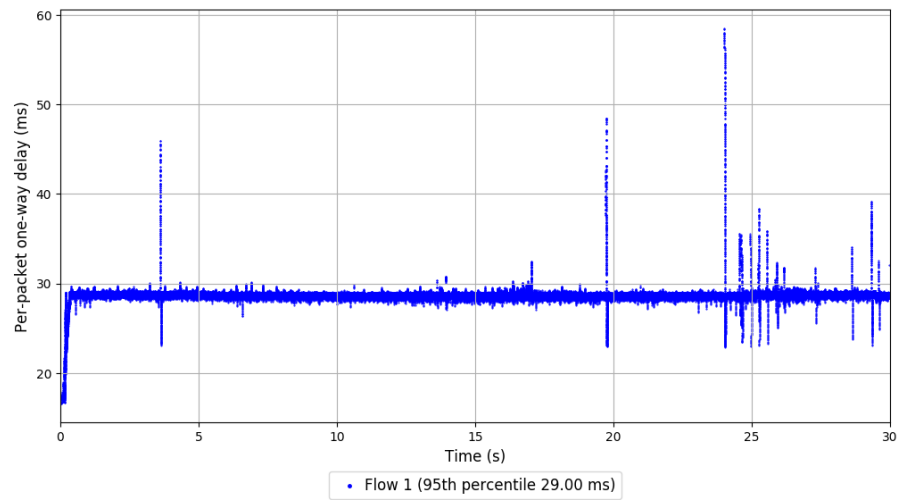
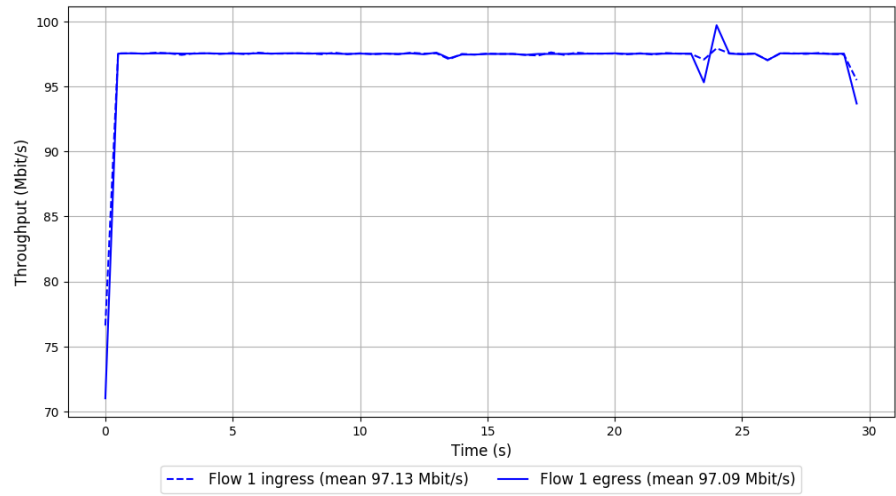
-- Flow 1:

Average throughput: 97.09 Mbit/s

95th percentile per-packet one-way delay: 29.001 ms

Loss rate: 0.13%

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



Run 1: Statistics of Indigo

Start at: 2017-09-03 01:00:50

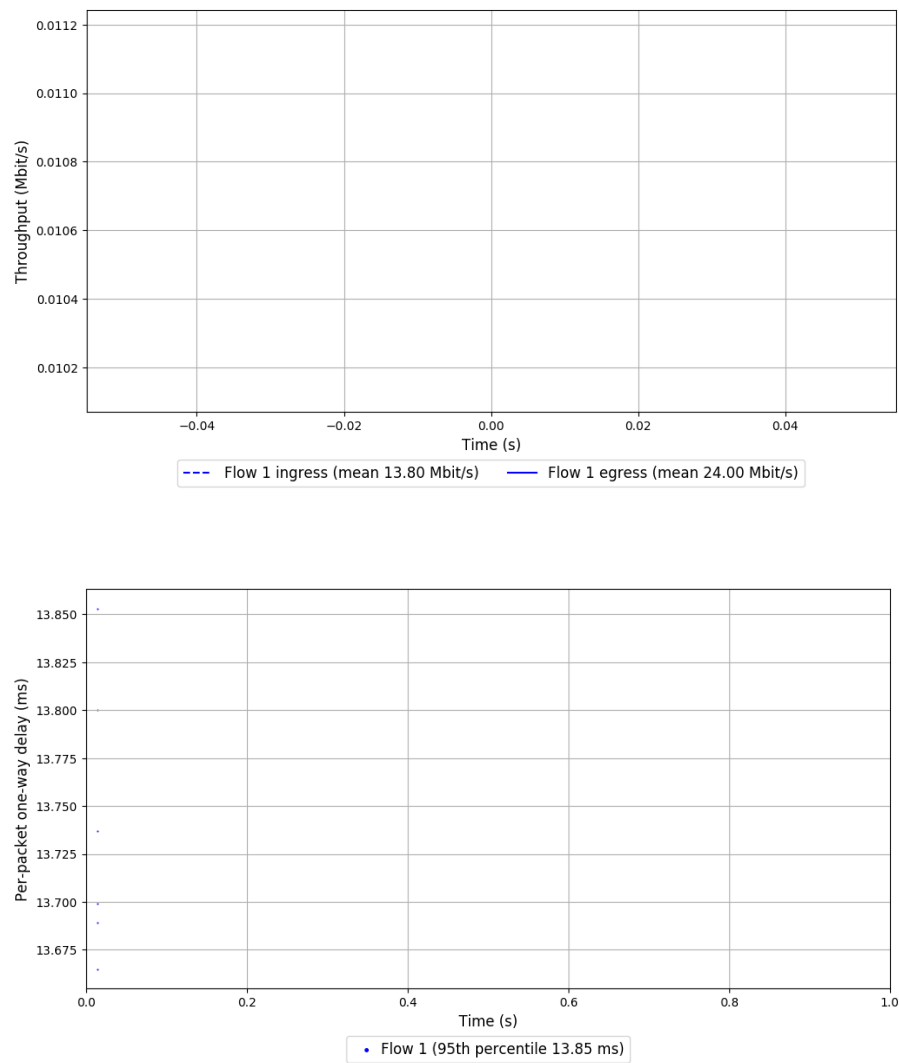
End at: 2017-09-03 01:01:20

Local clock offset: 1.739 ms

Remote clock offset: -2.129 ms



Run 1: Report of Indigo — Data Link

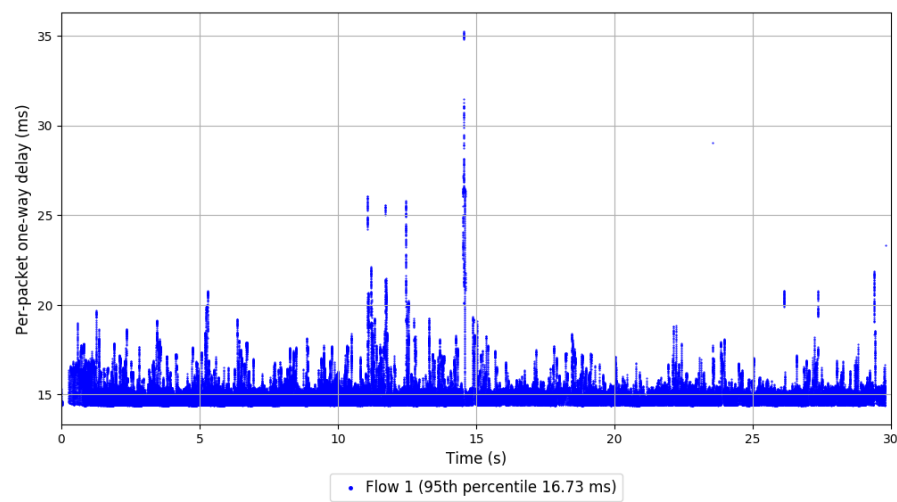
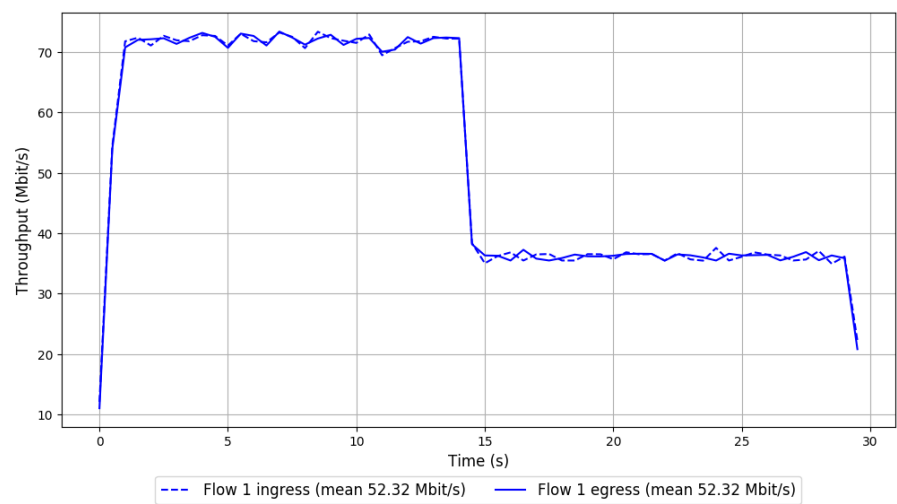


Run 2: Statistics of Indigo

Start at: 2017-09-03 01:18:13  
End at: 2017-09-03 01:18:43  
Local clock offset: -0.493 ms  
Remote clock offset: -5.024 ms

# Below is generated by plot.py at 2017-09-03 07:26:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 52.32 Mbit/s  
95th percentile per-packet one-way delay: 16.725 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 52.32 Mbit/s  
95th percentile per-packet one-way delay: 16.725 ms  
Loss rate: 0.07%

Run 2: Report of Indigo — Data Link

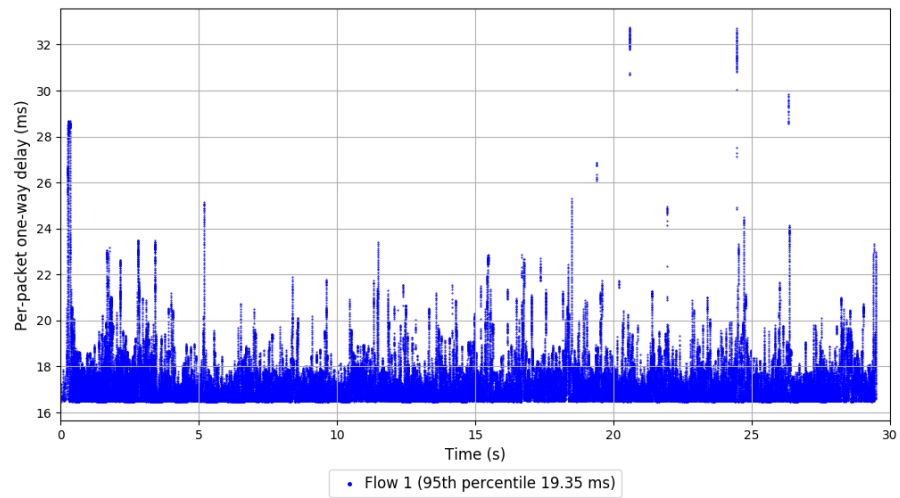
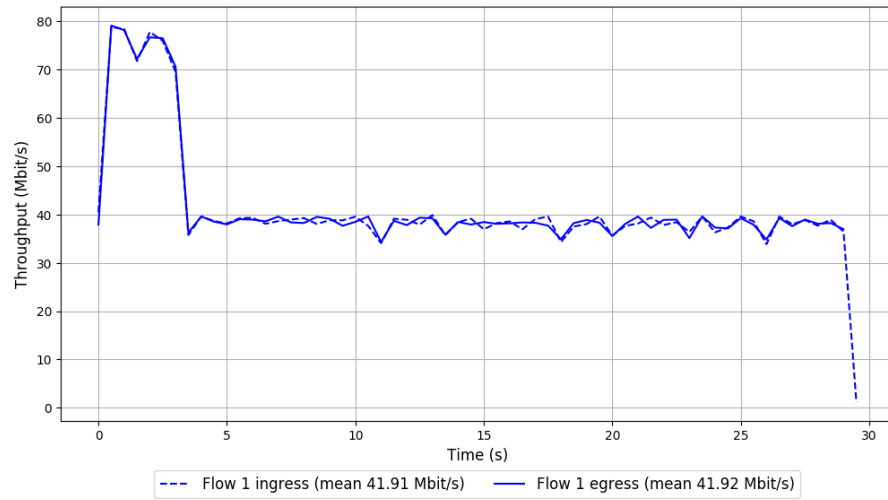


Run 3: Statistics of Indigo

Start at: 2017-09-03 01:36:10  
End at: 2017-09-03 01:36:40  
Local clock offset: -0.343 ms  
Remote clock offset: -6.916 ms

# Below is generated by plot.py at 2017-09-03 07:26:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 41.92 Mbit/s  
95th percentile per-packet one-way delay: 19.347 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 41.92 Mbit/s  
95th percentile per-packet one-way delay: 19.347 ms  
Loss rate: 0.11%

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



Run 4: Statistics of Indigo

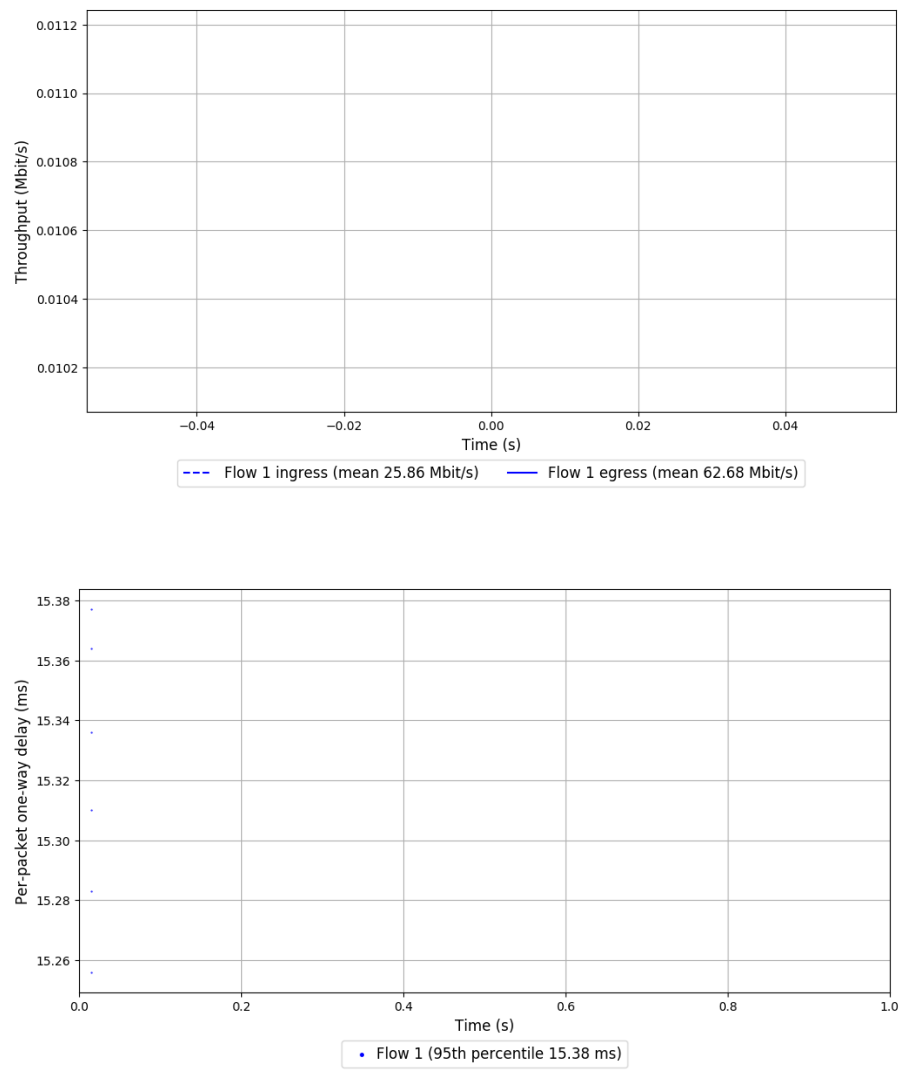
Start at: 2017-09-03 01:53:41

End at: 2017-09-03 01:54:11

Local clock offset: -1.788 ms

Remote clock offset: -7.242 ms

Run 4: Report of Indigo — Data Link



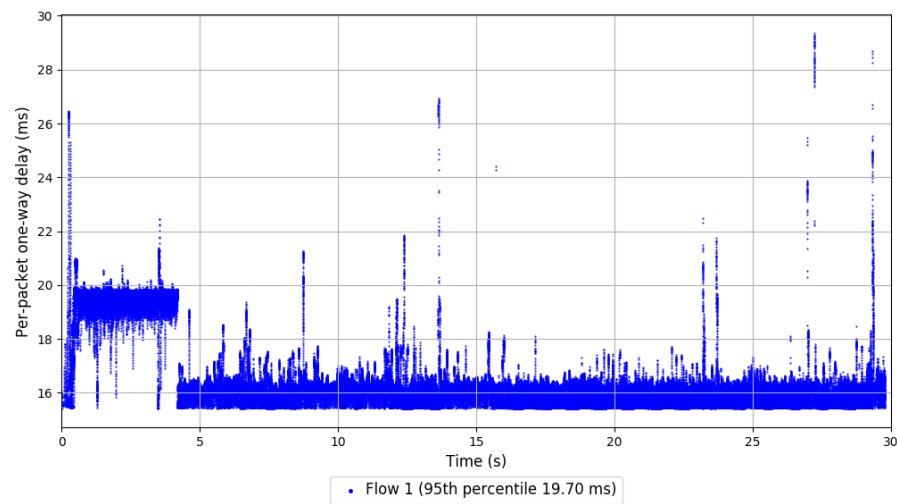
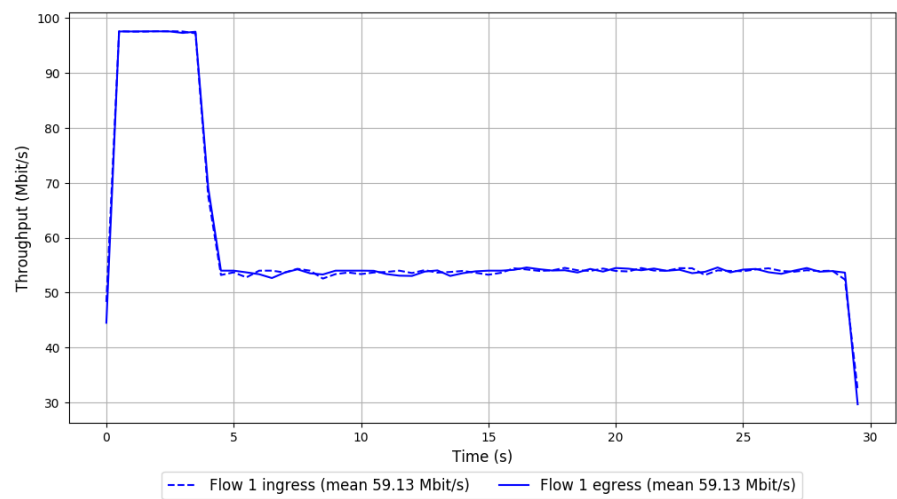
Run 5: Statistics of Indigo

Start at: 2017-09-03 02:11:36  
End at: 2017-09-03 02:12:06  
Local clock offset: -1.224 ms  
Remote clock offset: -6.673 ms

# Below is generated by plot.py at 2017-09-03 07:26:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 59.13 Mbit/s  
95th percentile per-packet one-way delay: 19.695 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 59.13 Mbit/s  
95th percentile per-packet one-way delay: 19.695 ms  
Loss rate: 0.10%



Run 5: Report of Indigo — Data Link

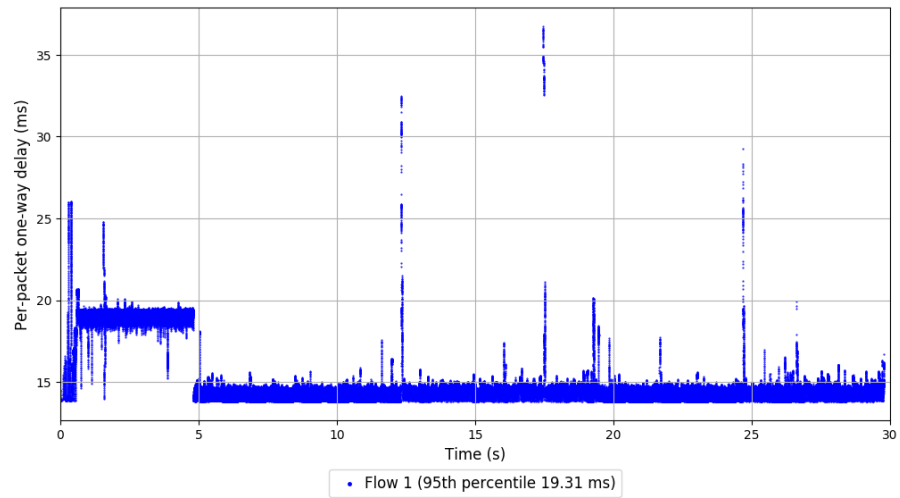
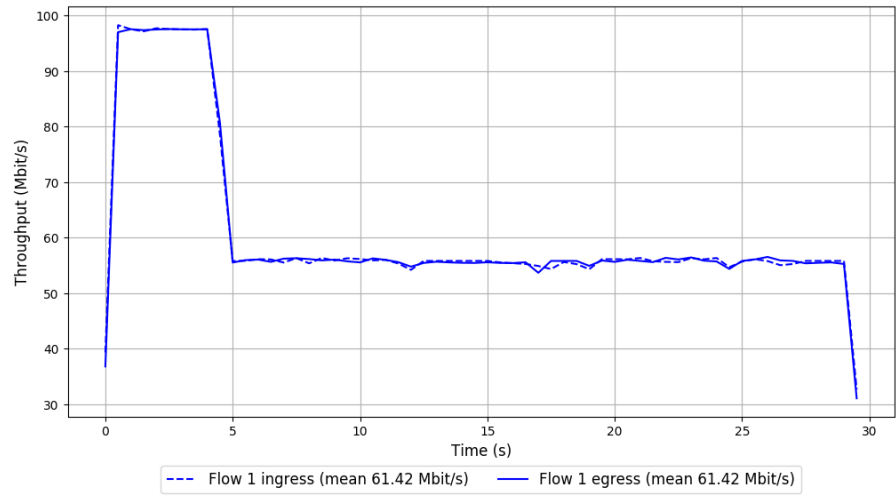


Run 6: Statistics of Indigo

Start at: 2017-09-03 02:29:23  
End at: 2017-09-03 02:29:53  
Local clock offset: -2.172 ms  
Remote clock offset: -5.981 ms

# Below is generated by plot.py at 2017-09-03 07:26:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 61.42 Mbit/s  
95th percentile per-packet one-way delay: 19.313 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 61.42 Mbit/s  
95th percentile per-packet one-way delay: 19.313 ms  
Loss rate: 0.09%

## Run 6: Report of Indigo — Data Link

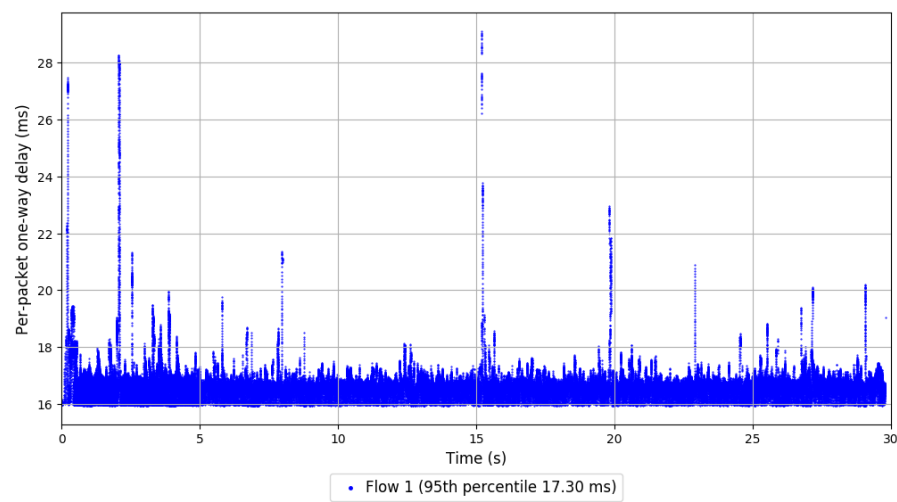
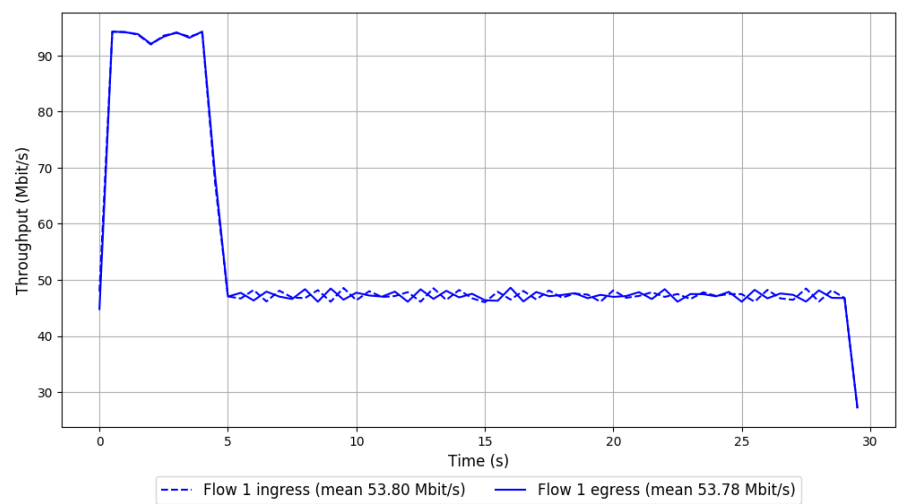


Run 7: Statistics of Indigo

Start at: 2017-09-03 02:47:15  
End at: 2017-09-03 02:47:45  
Local clock offset: -0.69 ms  
Remote clock offset: -6.595 ms

# Below is generated by plot.py at 2017-09-03 07:26:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 53.78 Mbit/s  
95th percentile per-packet one-way delay: 17.301 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 53.78 Mbit/s  
95th percentile per-packet one-way delay: 17.301 ms  
Loss rate: 0.06%

Run 7: Report of Indigo — Data Link

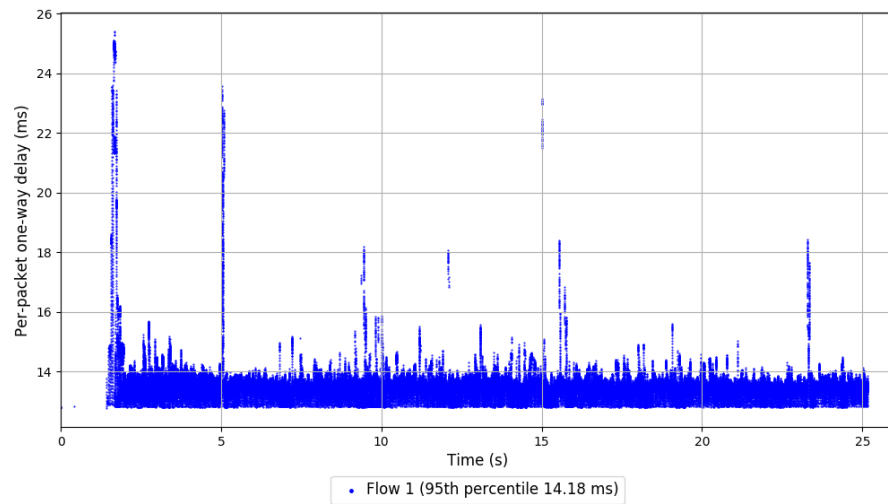
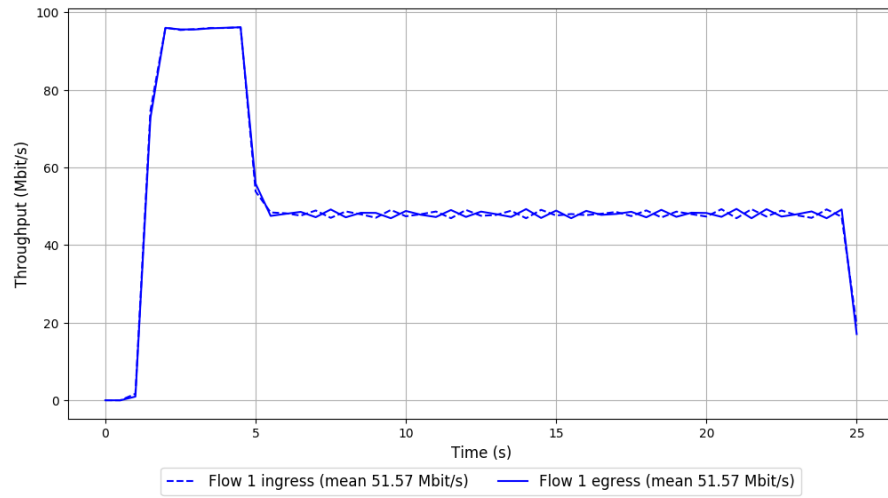


Run 8: Statistics of Indigo

Start at: 2017-09-03 03:05:12  
End at: 2017-09-03 03:05:42  
Local clock offset: -2.3 ms  
Remote clock offset: -5.039 ms

# Below is generated by plot.py at 2017-09-03 07:26:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 51.57 Mbit/s  
95th percentile per-packet one-way delay: 14.177 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 51.57 Mbit/s  
95th percentile per-packet one-way delay: 14.177 ms  
Loss rate: 0.11%

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



Run 9: Statistics of Indigo

Start at: 2017-09-03 03:22:53

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

Local clock offset: 1.684 ms

Remote clock offset: -5.825 ms

# Below is generated by plot.py at 2017-09-03 07:26:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 57.41 Mbit/s

95th percentile per-packet one-way delay: 20.063 ms

Loss rate: 0.07%

-- Flow 1:

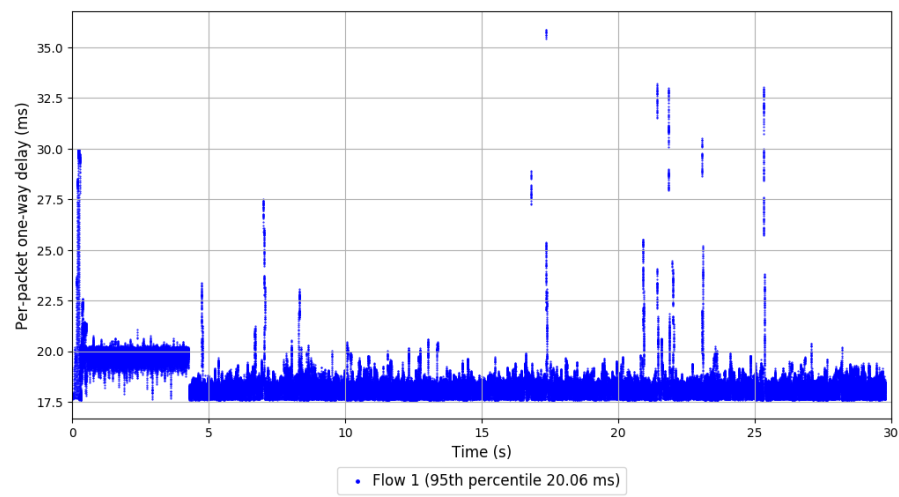
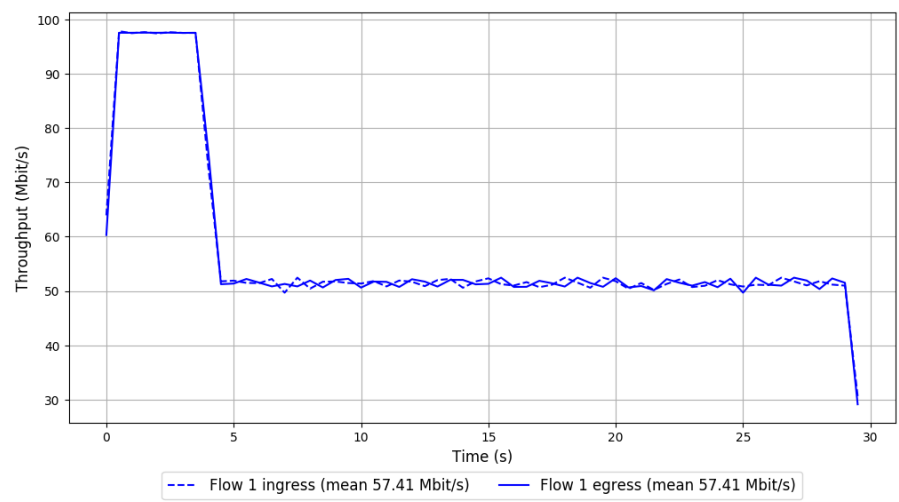
Average throughput: 57.41 Mbit/s

95th percentile per-packet one-way delay: 20.063 ms

Loss rate: 0.07%



Run 9: Report of Indigo — Data Link



Run 10: Statistics of Indigo

Start at: 2017-09-03 03:40:59

End at: 2017-09-03 03:41:29

Local clock offset: 0.257 ms

Remote clock offset: -6.728 ms

# Below is generated by plot.py at 2017-09-03 07:26:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.51 Mbit/s

95th percentile per-packet one-way delay: 19.013 ms

Loss rate: 0.08%

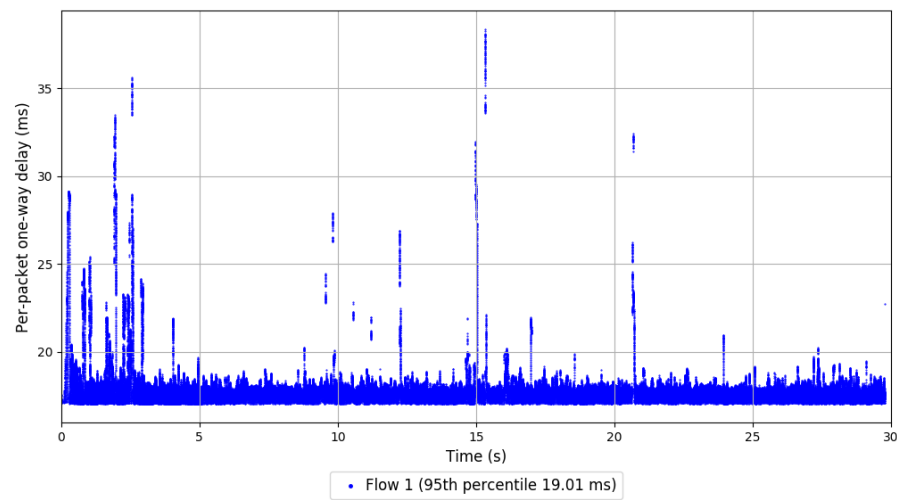
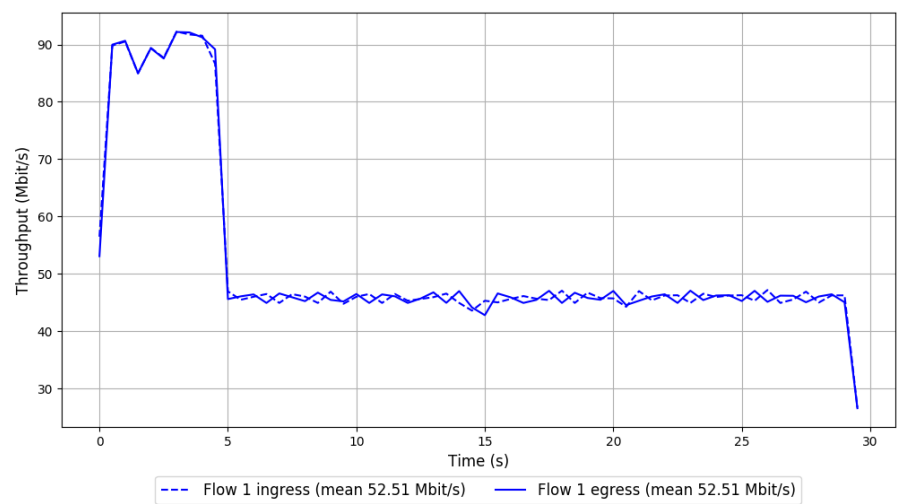
-- Flow 1:

Average throughput: 52.51 Mbit/s

95th percentile per-packet one-way delay: 19.013 ms

Loss rate: 0.08%

Run 10: Report of Indigo — Data Link

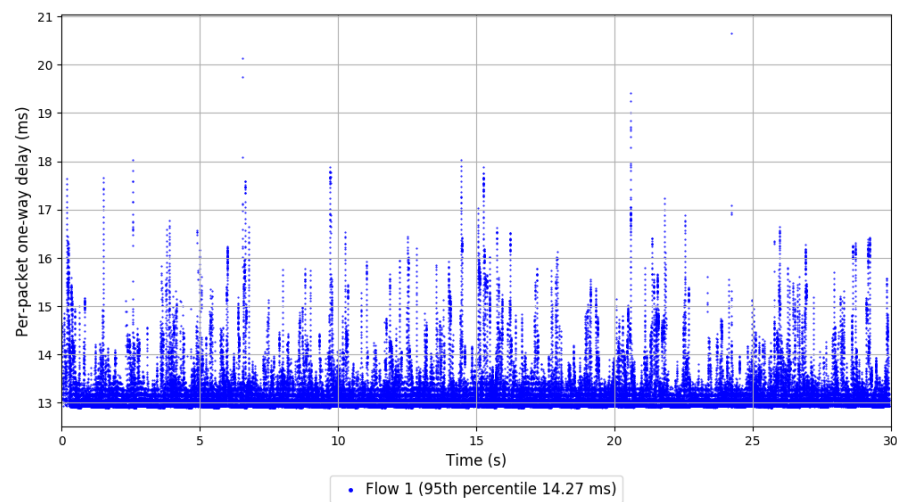
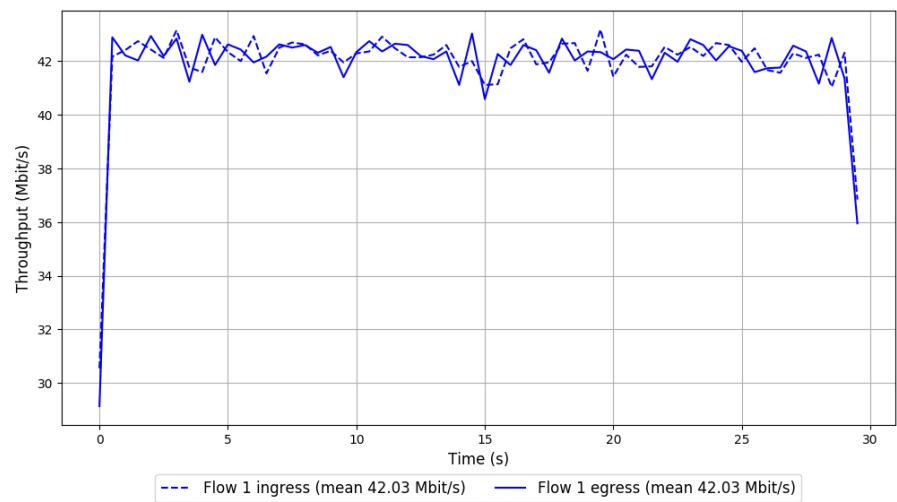


Run 1: Statistics of KohoCC

Start at: 2017-09-03 01:03:10  
End at: 2017-09-03 01:03:40  
Local clock offset: 1.106 ms  
Remote clock offset: -1.816 ms

# Below is generated by plot.py at 2017-09-03 07:26:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 42.03 Mbit/s  
95th percentile per-packet one-way delay: 14.272 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 42.03 Mbit/s  
95th percentile per-packet one-way delay: 14.272 ms  
Loss rate: 0.08%

Run 1: Report of KohoCC — Data Link

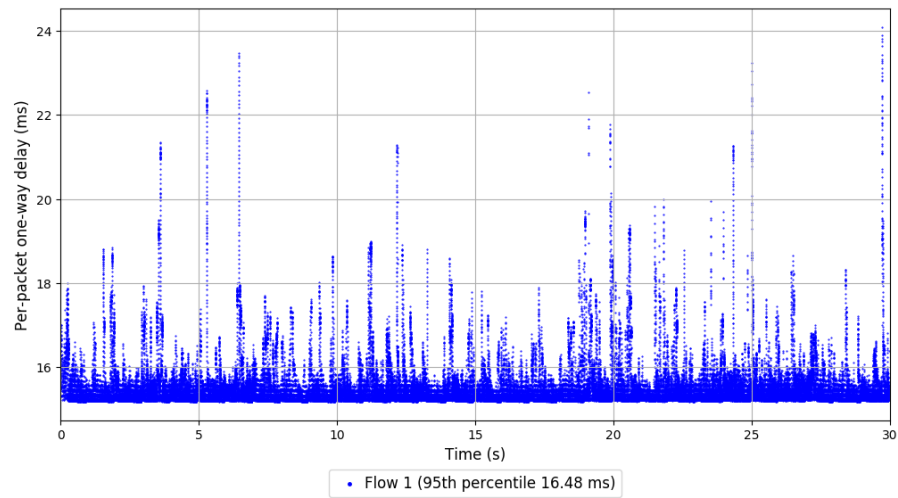
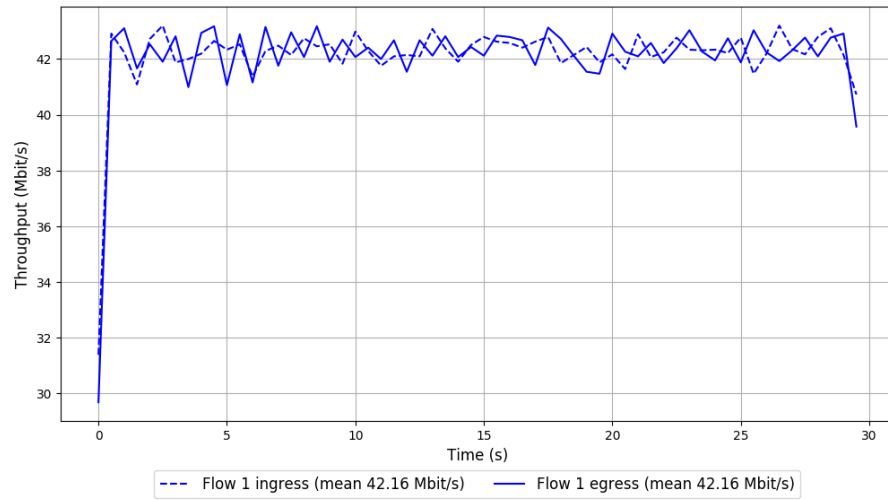


Run 2: Statistics of KohoCC

Start at: 2017-09-03 01:20:35  
End at: 2017-09-03 01:21:05  
Local clock offset: 0.449 ms  
Remote clock offset: -4.869 ms

# Below is generated by plot.py at 2017-09-03 07:26:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 42.16 Mbit/s  
95th percentile per-packet one-way delay: 16.483 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 42.16 Mbit/s  
95th percentile per-packet one-way delay: 16.483 ms  
Loss rate: 0.09%

## Run 2: Report of KohoCC — Data Link



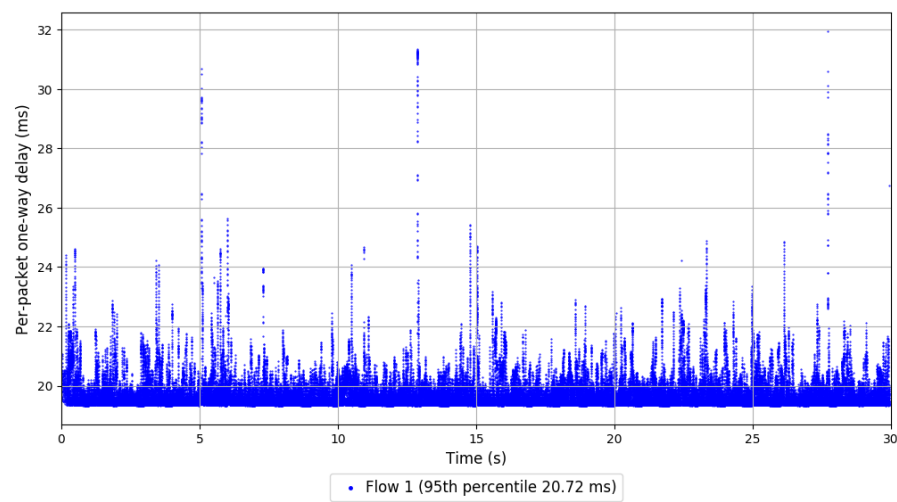
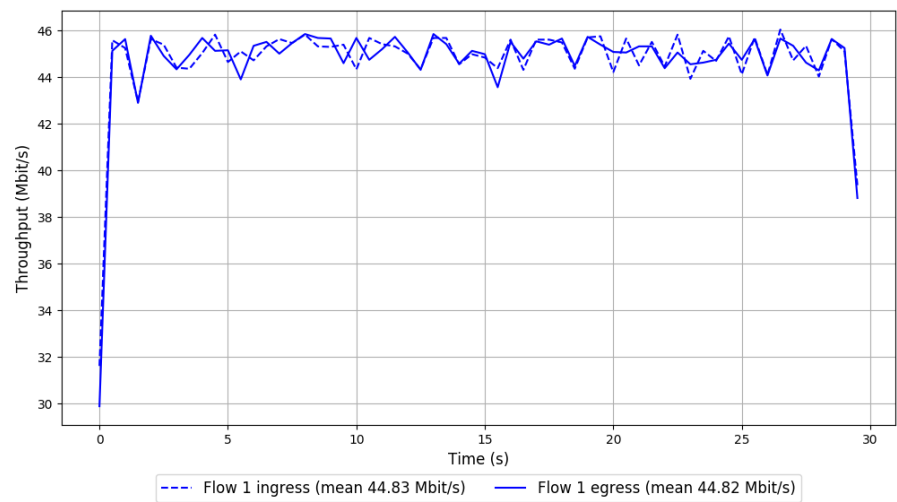
Run 3: Statistics of KohoCC

Start at: 2017-09-03 01:38:25  
End at: 2017-09-03 01:38:55  
Local clock offset: 1.573 ms  
Remote clock offset: -7.855 ms

# Below is generated by plot.py at 2017-09-03 07:26:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 44.82 Mbit/s  
95th percentile per-packet one-way delay: 20.723 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 44.82 Mbit/s  
95th percentile per-packet one-way delay: 20.723 ms  
Loss rate: 0.09%



Run 3: Report of KohoCC — Data Link

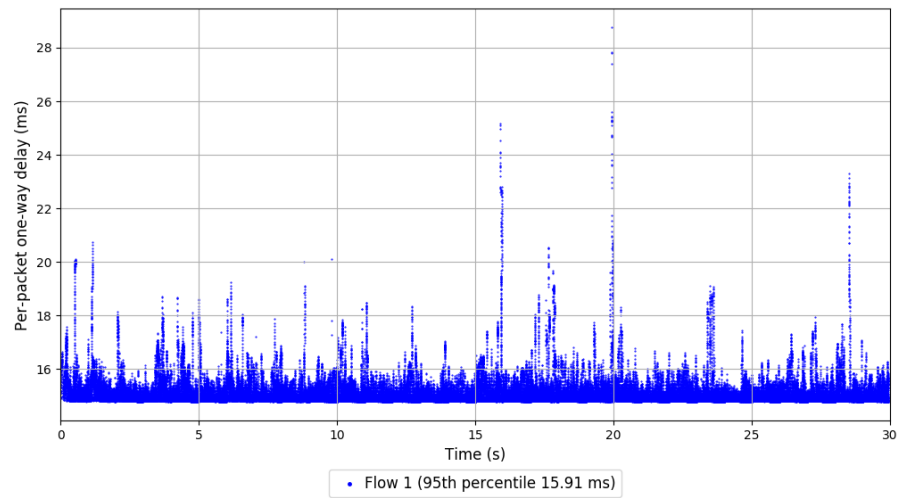
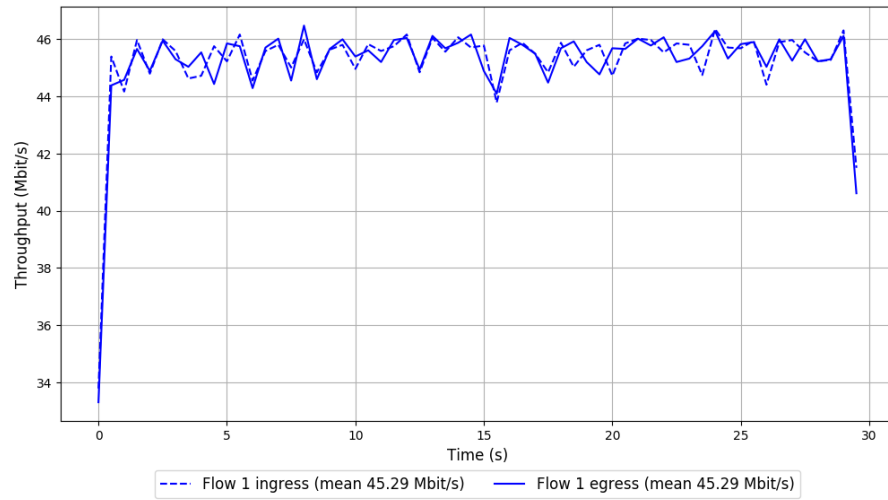


Run 4: Statistics of KohoCC

Start at: 2017-09-03 01:56:00  
End at: 2017-09-03 01:56:30  
Local clock offset: -1.799 ms  
Remote clock offset: -6.668 ms

# Below is generated by plot.py at 2017-09-03 07:26:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.29 Mbit/s  
95th percentile per-packet one-way delay: 15.906 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 45.29 Mbit/s  
95th percentile per-packet one-way delay: 15.906 ms  
Loss rate: 0.08%

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

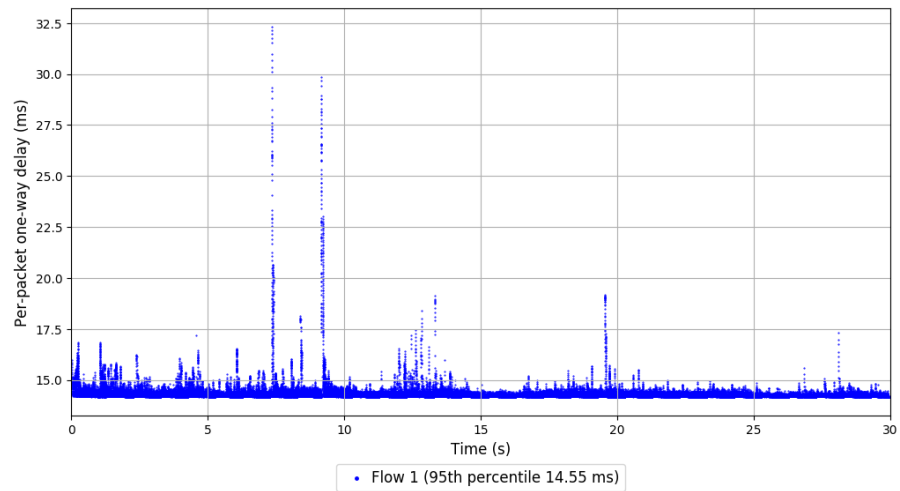
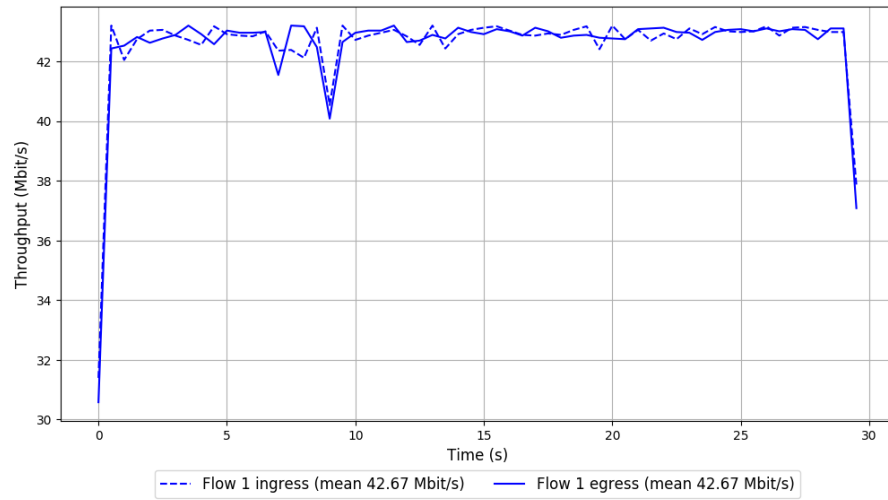


Run 5: Statistics of KohoCC

Start at: 2017-09-03 02:14:02  
End at: 2017-09-03 02:14:32  
Local clock offset: -2.683 ms  
Remote clock offset: -6.911 ms

# Below is generated by plot.py at 2017-09-03 07:26:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 42.67 Mbit/s  
95th percentile per-packet one-way delay: 14.553 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 42.67 Mbit/s  
95th percentile per-packet one-way delay: 14.553 ms  
Loss rate: 0.08%

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



Run 6: Statistics of KohoCC

Start at: 2017-09-03 02:31:50

End at: 2017-09-03 02:32:20

Local clock offset: 0.122 ms

Remote clock offset: -6.67 ms

# Below is generated by plot.py at 2017-09-03 07:26:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 36.31 Mbit/s

95th percentile per-packet one-way delay: 17.326 ms

Loss rate: 0.09%

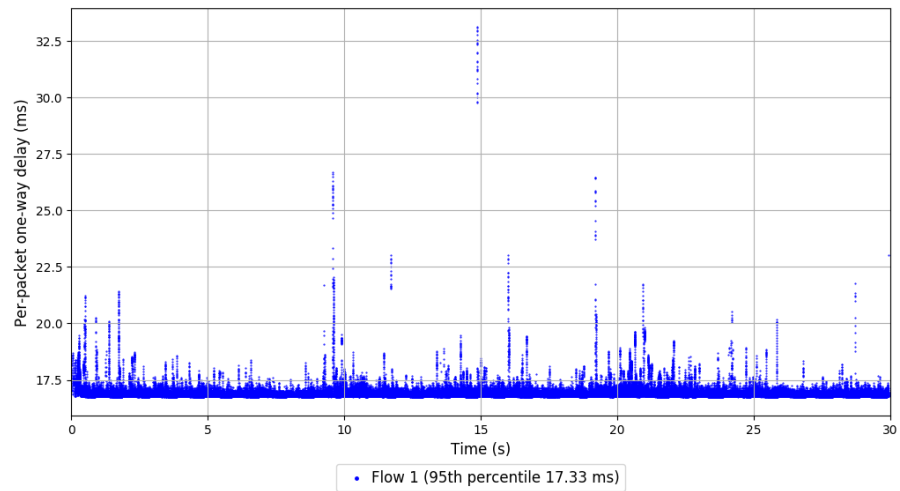
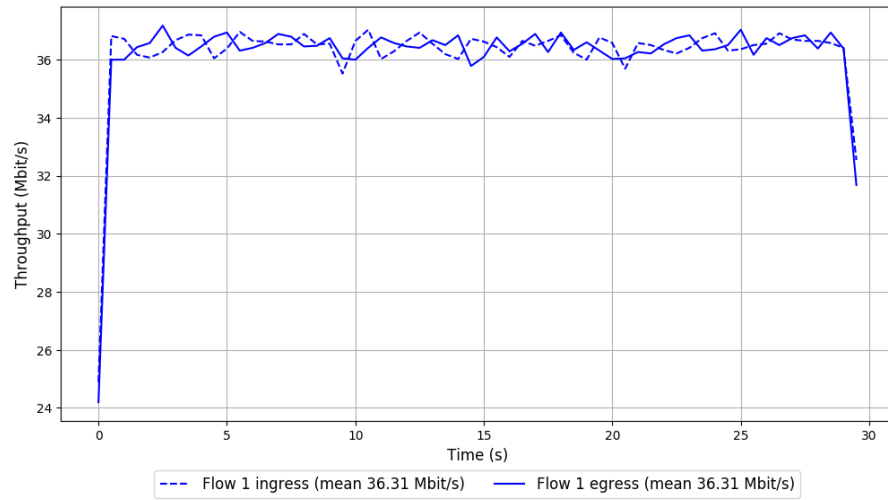
-- Flow 1:

Average throughput: 36.31 Mbit/s

95th percentile per-packet one-way delay: 17.326 ms

Loss rate: 0.09%

## Run 6: Report of KohoCC — Data Link



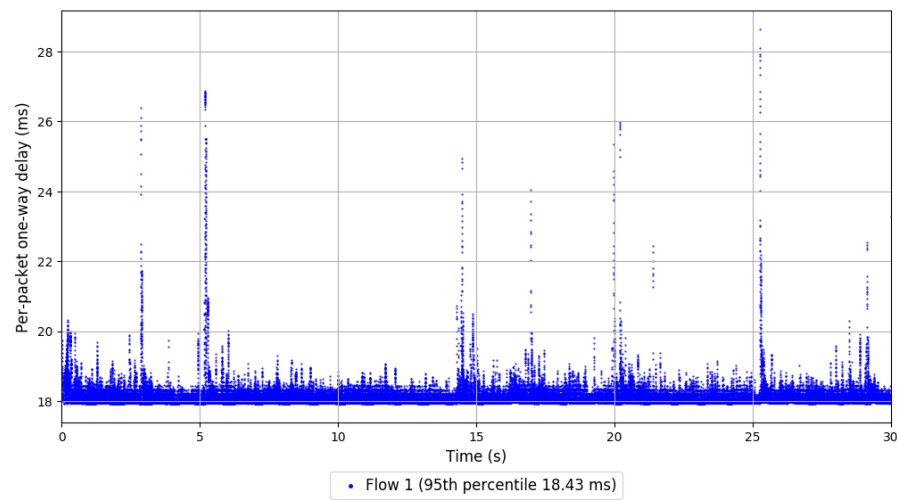
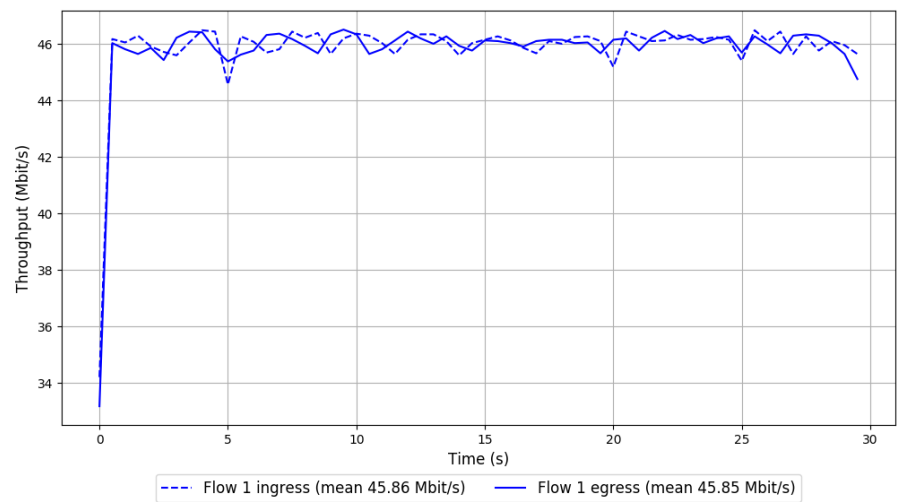
Run 7: Statistics of KohoCC

Start at: 2017-09-03 02:49:45  
End at: 2017-09-03 02:50:15  
Local clock offset: 1.054 ms  
Remote clock offset: -6.813 ms

# Below is generated by plot.py at 2017-09-03 07:26:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.85 Mbit/s  
95th percentile per-packet one-way delay: 18.428 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 45.85 Mbit/s  
95th percentile per-packet one-way delay: 18.428 ms  
Loss rate: 0.09%



Run 7: Report of KohoCC — Data Link

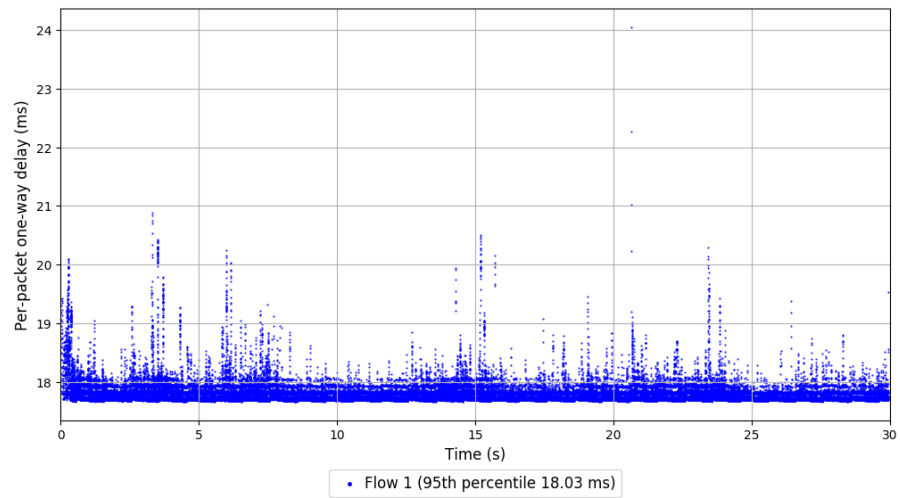
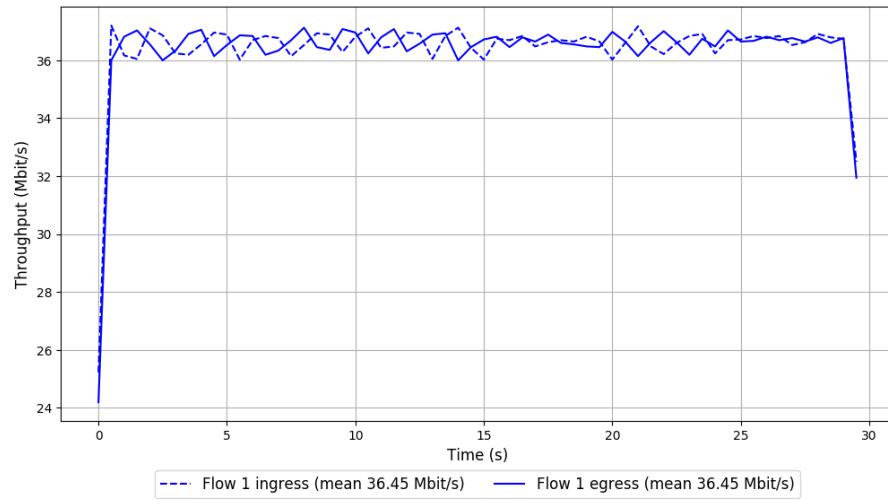


Run 8: Statistics of KohoCC

Start at: 2017-09-03 03:07:27  
End at: 2017-09-03 03:07:57  
Local clock offset: 1.73 ms  
Remote clock offset: -5.855 ms

# Below is generated by plot.py at 2017-09-03 07:26:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 36.45 Mbit/s  
95th percentile per-packet one-way delay: 18.029 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 36.45 Mbit/s  
95th percentile per-packet one-way delay: 18.029 ms  
Loss rate: 0.09%

# Run 8: Report of KohoCC — Data Link

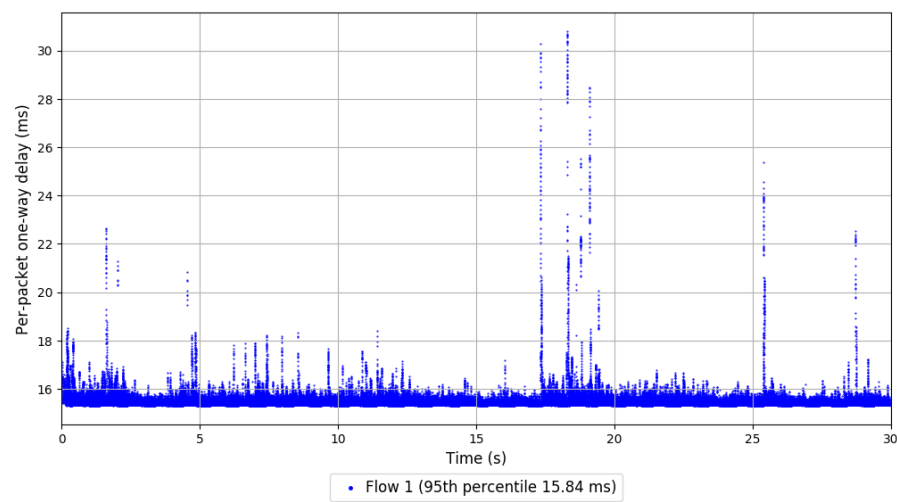
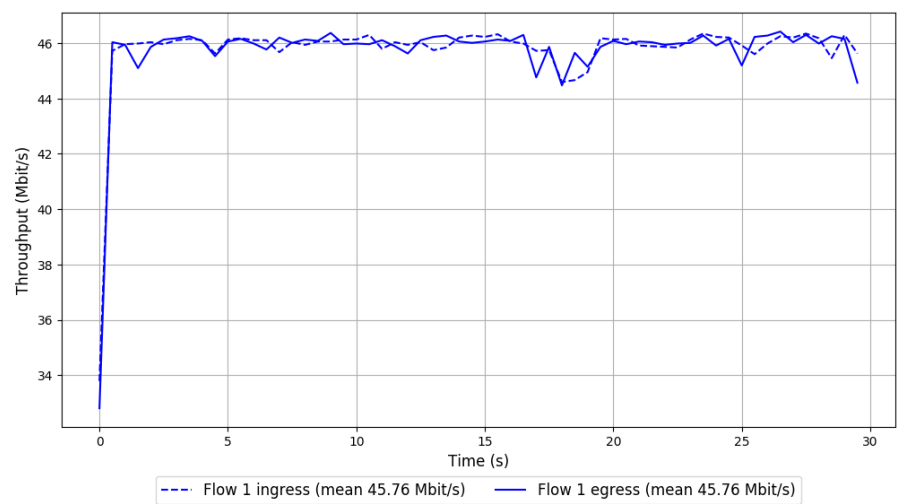


Run 9: Statistics of KohoCC

Start at: 2017-09-03 03:25:21  
End at: 2017-09-03 03:25:51  
Local clock offset: -0.468 ms  
Remote clock offset: -5.667 ms

# Below is generated by plot.py at 2017-09-03 07:26:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.76 Mbit/s  
95th percentile per-packet one-way delay: 15.840 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 45.76 Mbit/s  
95th percentile per-packet one-way delay: 15.840 ms  
Loss rate: 0.08%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: 2017-09-03 03:43:27

End at: 2017-09-03 03:43:57

Local clock offset: 0.967 ms

Remote clock offset: -6.899 ms

# Below is generated by plot.py at 2017-09-03 07:26:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 42.57 Mbit/s

95th percentile per-packet one-way delay: 18.328 ms

Loss rate: 0.09%

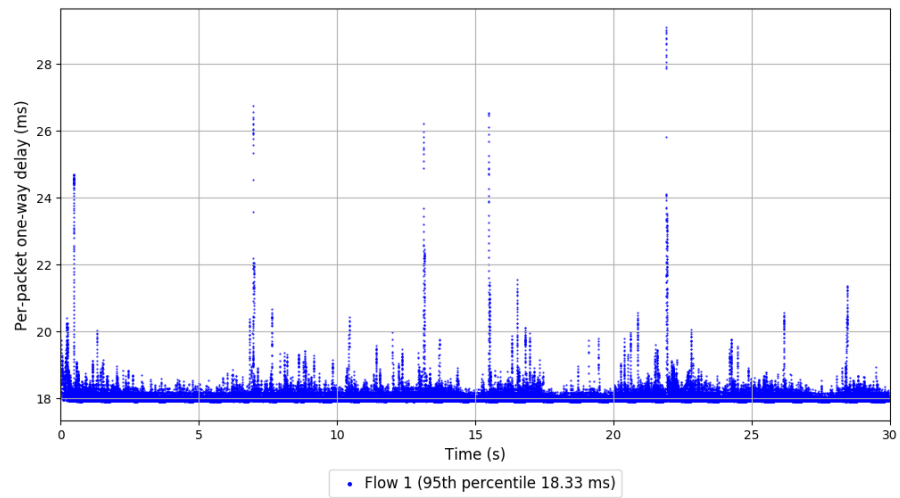
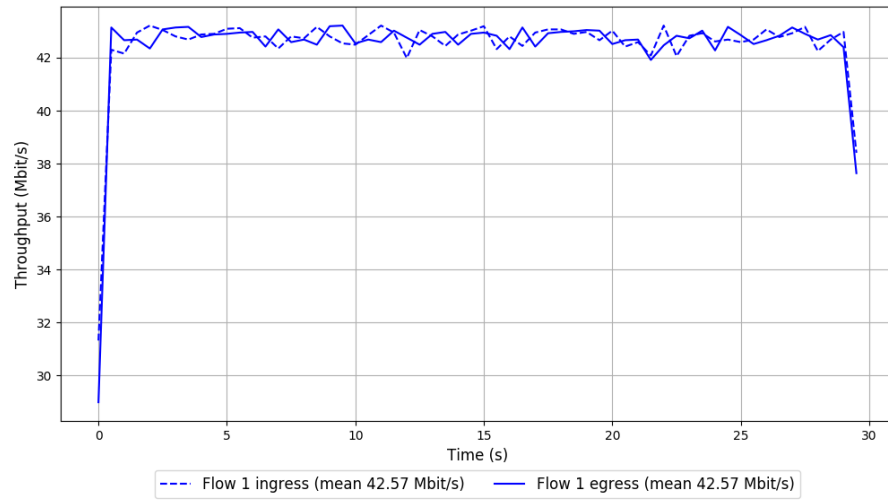
-- Flow 1:

Average throughput: 42.57 Mbit/s

95th percentile per-packet one-way delay: 18.328 ms

Loss rate: 0.09%

# Run 10: Report of KohoCC — Data Link



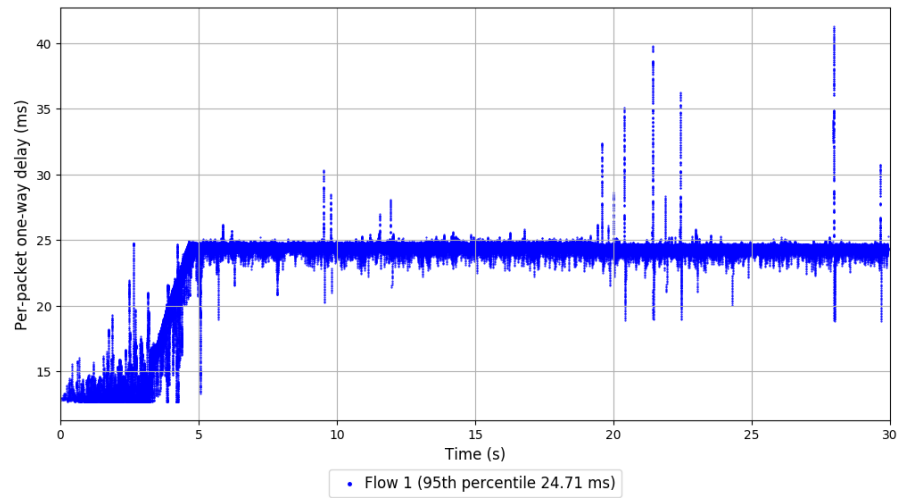
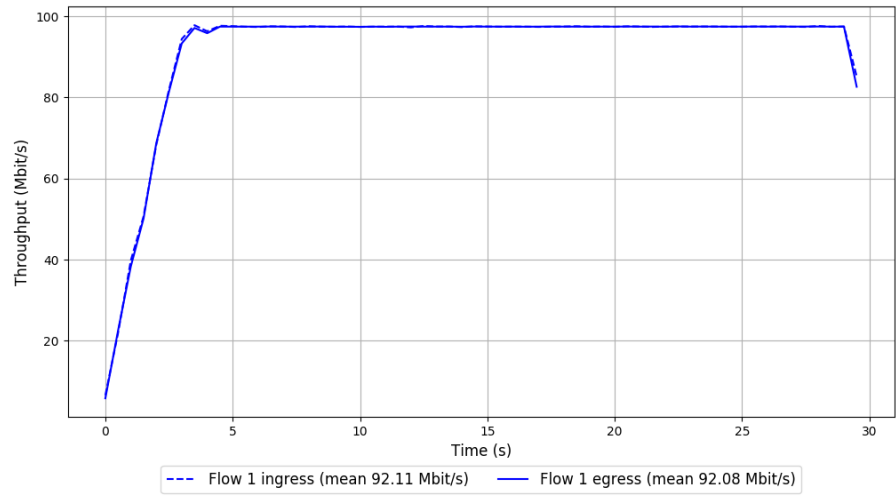
Run 1: Statistics of LEDBAT

Start at: 2017-09-03 00:56:10  
End at: 2017-09-03 00:56:40  
Local clock offset: -2.06 ms  
Remote clock offset: -4.744 ms

# Below is generated by plot.py at 2017-09-03 07:27:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.08 Mbit/s  
95th percentile per-packet one-way delay: 24.709 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 92.08 Mbit/s  
95th percentile per-packet one-way delay: 24.709 ms  
Loss rate: 0.13%



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

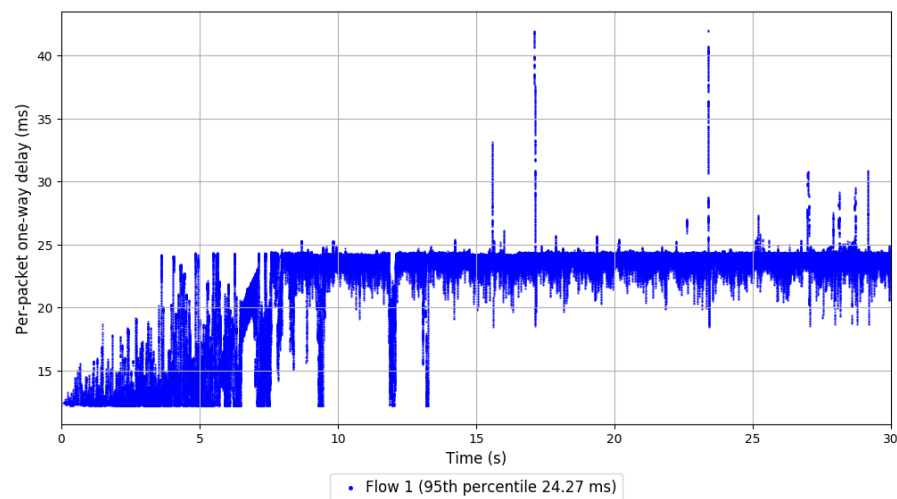
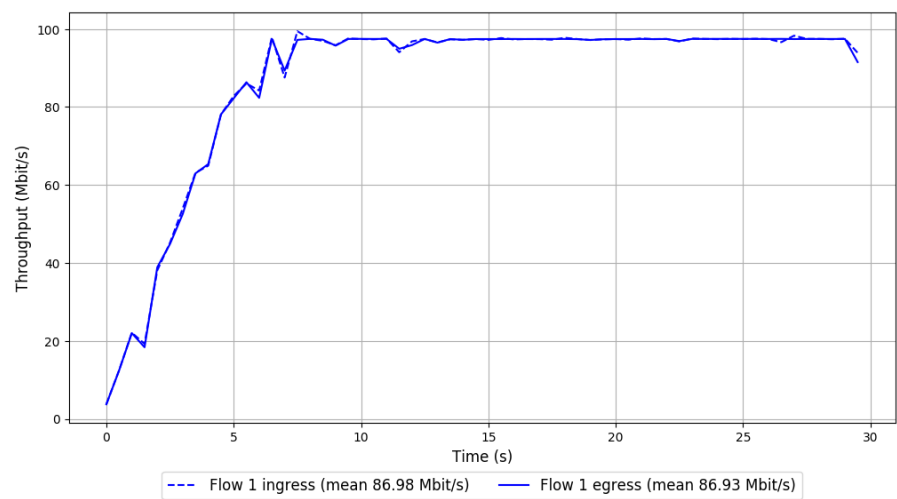


Run 2: Statistics of LEDBAT

Start at: 2017-09-03 01:13:33  
End at: 2017-09-03 01:14:03  
Local clock offset: -2.104 ms  
Remote clock offset: -4.505 ms

# Below is generated by plot.py at 2017-09-03 07:27:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.93 Mbit/s  
95th percentile per-packet one-way delay: 24.265 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 86.93 Mbit/s  
95th percentile per-packet one-way delay: 24.265 ms  
Loss rate: 0.14%

Run 2: Report of LEDBAT — Data Link

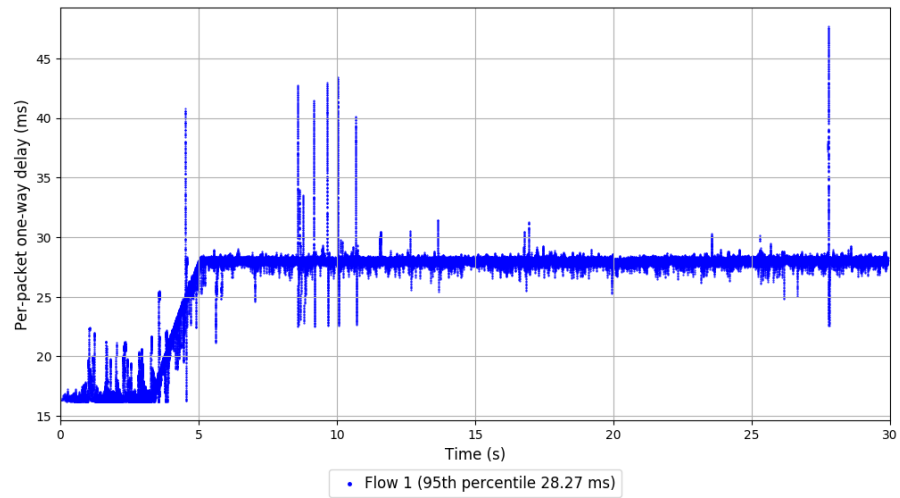
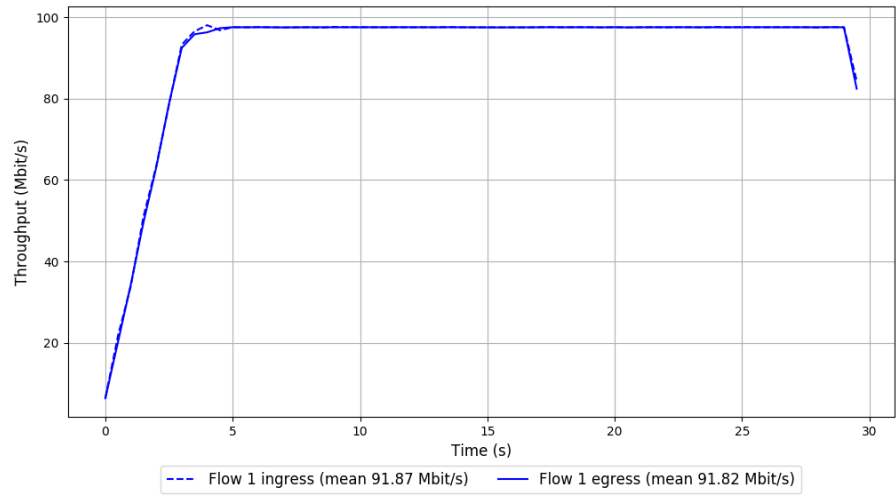


Run 3: Statistics of LEDBAT

Start at: 2017-09-03 01:31:16  
End at: 2017-09-03 01:31:46  
Local clock offset: -1.254 ms  
Remote clock offset: -7.674 ms

# Below is generated by plot.py at 2017-09-03 07:27:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.82 Mbit/s  
95th percentile per-packet one-way delay: 28.269 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 91.82 Mbit/s  
95th percentile per-packet one-way delay: 28.269 ms  
Loss rate: 0.13%

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

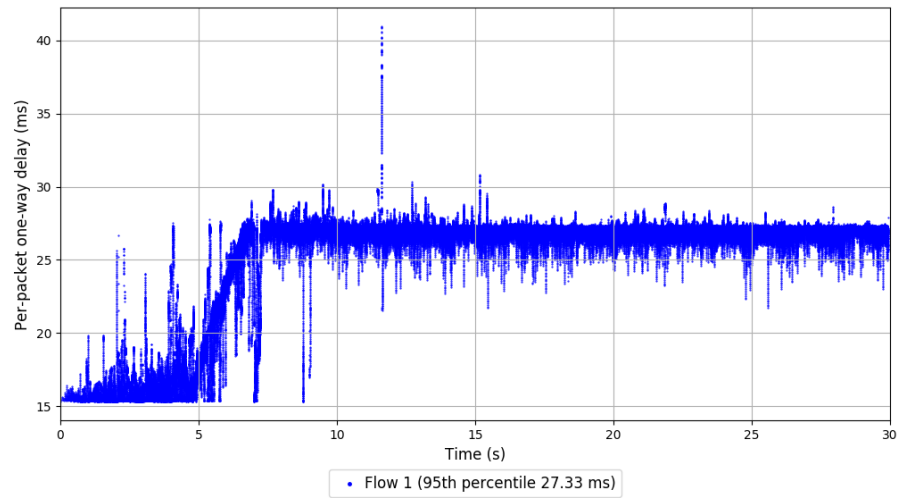
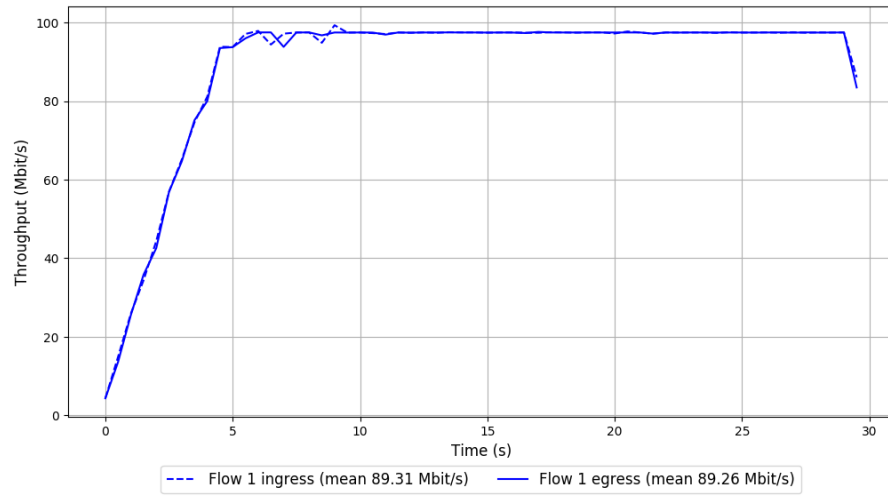


Run 4: Statistics of LEDBAT

Start at: 2017-09-03 01:48:58  
End at: 2017-09-03 01:49:28  
Local clock offset: -0.583 ms  
Remote clock offset: -6.052 ms

# Below is generated by plot.py at 2017-09-03 07:27:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.26 Mbit/s  
95th percentile per-packet one-way delay: 27.329 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 89.26 Mbit/s  
95th percentile per-packet one-way delay: 27.329 ms  
Loss rate: 0.15%

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



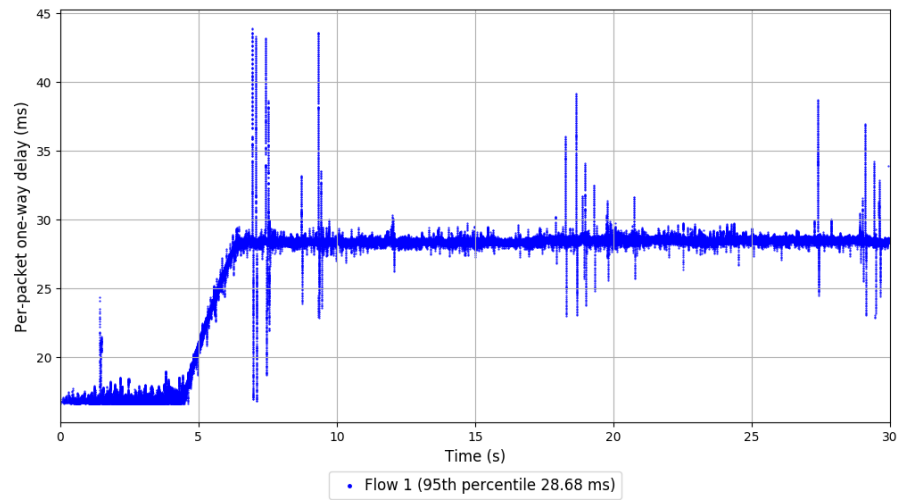
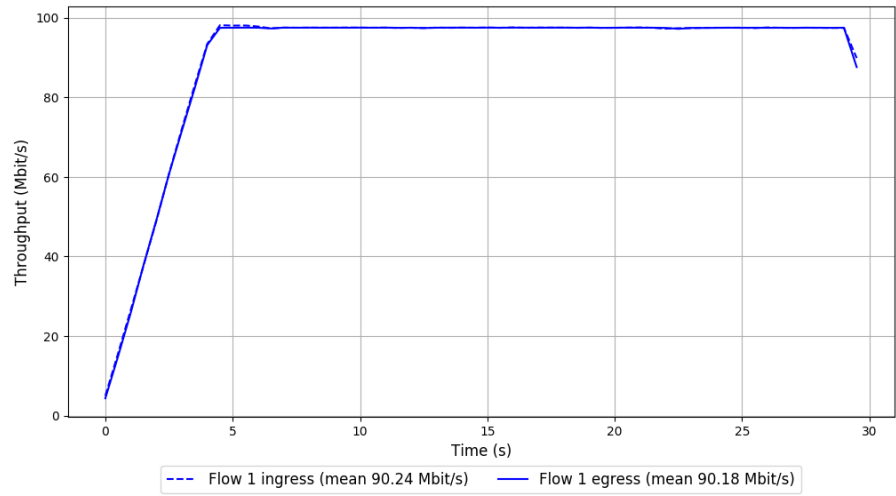
Run 5: Statistics of LEDBAT

Start at: 2017-09-03 02:06:41  
End at: 2017-09-03 02:07:11  
Local clock offset: 0.369 ms  
Remote clock offset: -6.306 ms

# Below is generated by plot.py at 2017-09-03 07:27:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.18 Mbit/s  
95th percentile per-packet one-way delay: 28.685 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 90.18 Mbit/s  
95th percentile per-packet one-way delay: 28.685 ms  
Loss rate: 0.14%



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

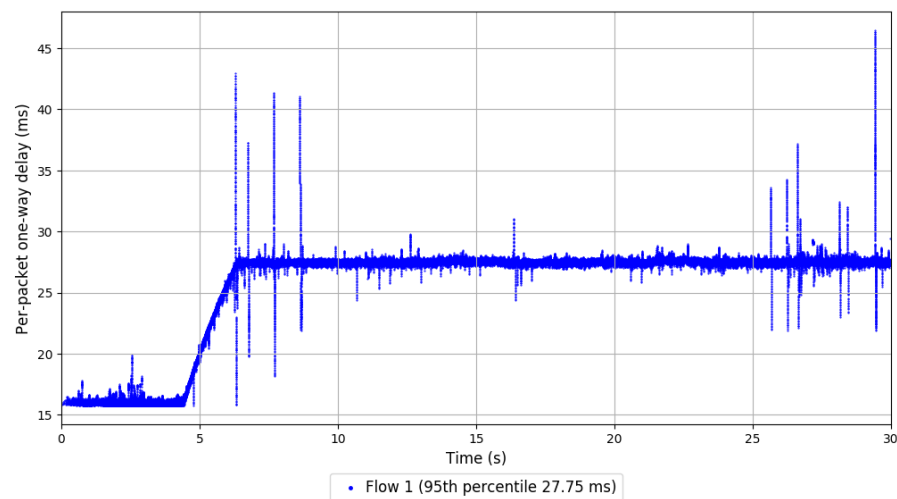
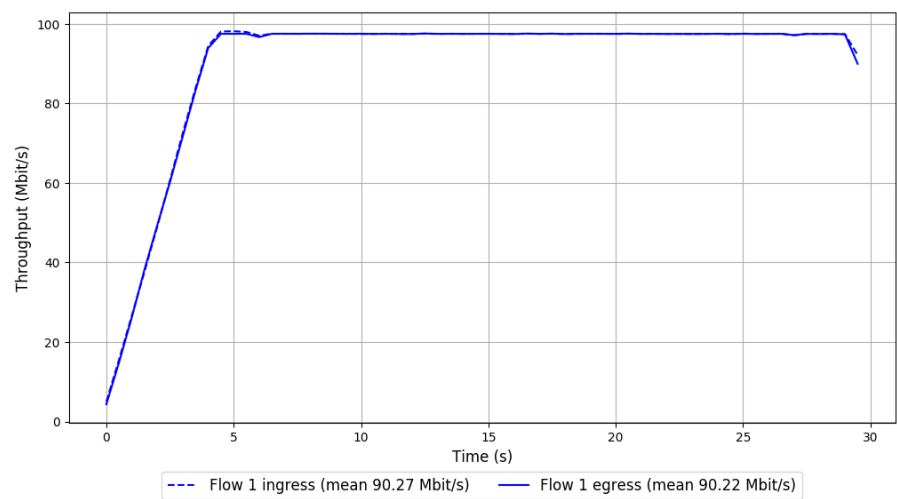


Run 6: Statistics of LEDBAT

Start at: 2017-09-03 02:24:34  
End at: 2017-09-03 02:25:04  
Local clock offset: -0.645 ms  
Remote clock offset: -6.377 ms

# Below is generated by plot.py at 2017-09-03 07:27:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.22 Mbit/s  
95th percentile per-packet one-way delay: 27.747 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 90.22 Mbit/s  
95th percentile per-packet one-way delay: 27.747 ms  
Loss rate: 0.14%

Run 6: Report of LEDBAT — Data Link

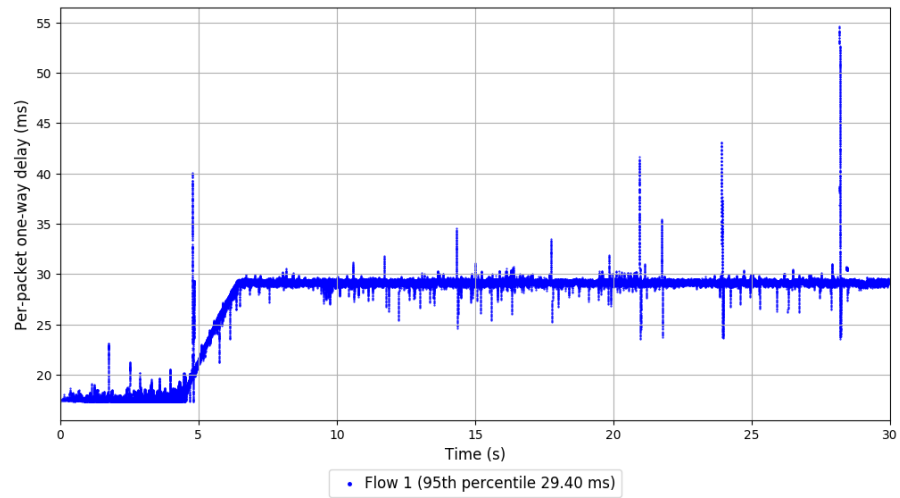
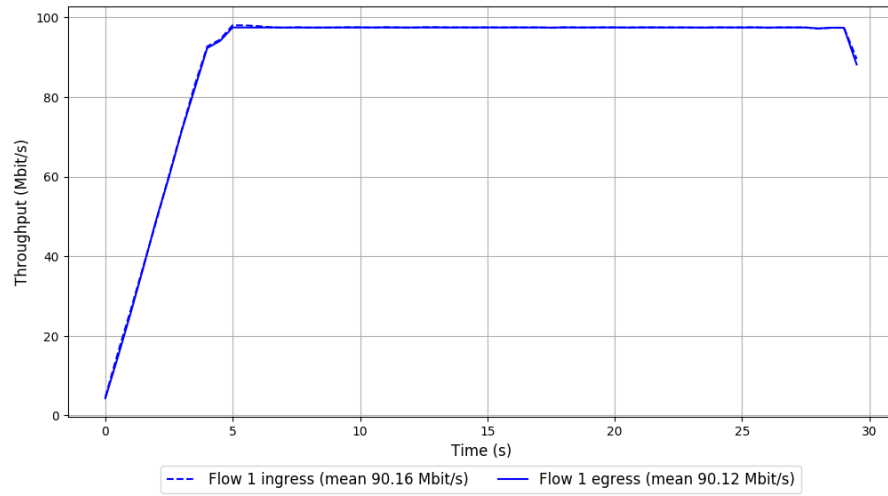


Run 7: Statistics of LEDBAT

Start at: 2017-09-03 02:42:26  
End at: 2017-09-03 02:42:56  
Local clock offset: 0.348 ms  
Remote clock offset: -6.907 ms

# Below is generated by plot.py at 2017-09-03 07:27:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.12 Mbit/s  
95th percentile per-packet one-way delay: 29.404 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 90.12 Mbit/s  
95th percentile per-packet one-way delay: 29.404 ms  
Loss rate: 0.13%

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

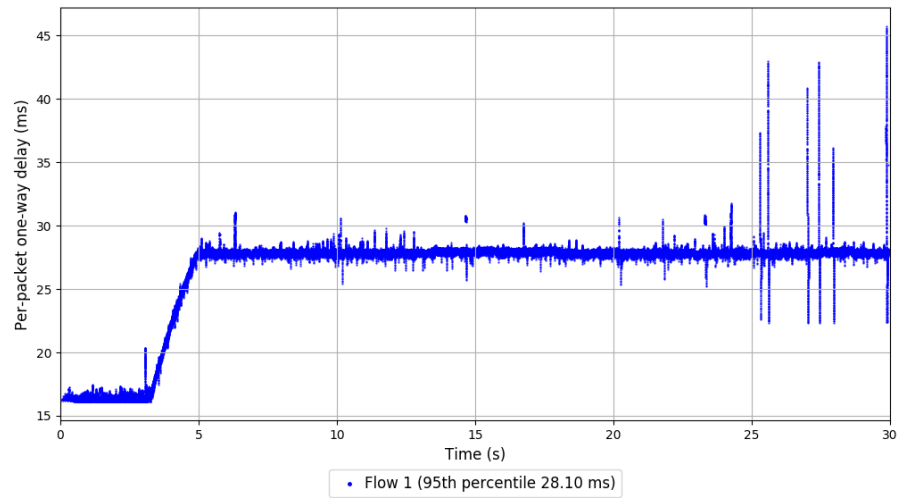
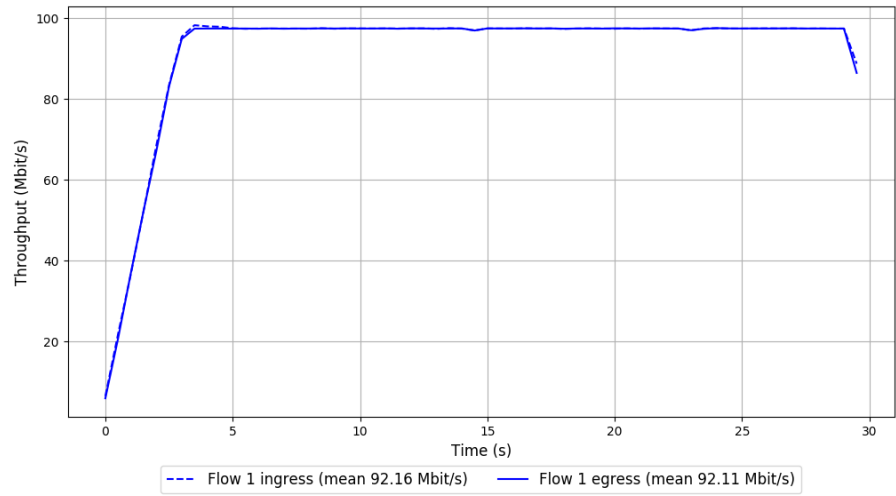


Run 8: Statistics of LEDBAT

Start at: 2017-09-03 03:00:20  
End at: 2017-09-03 03:00:50  
Local clock offset: 0.409 ms  
Remote clock offset: -5.604 ms

# Below is generated by plot.py at 2017-09-03 07:27:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.11 Mbit/s  
95th percentile per-packet one-way delay: 28.099 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 92.11 Mbit/s  
95th percentile per-packet one-way delay: 28.099 ms  
Loss rate: 0.14%

## Run 8: Report of LEDBAT — Data Link



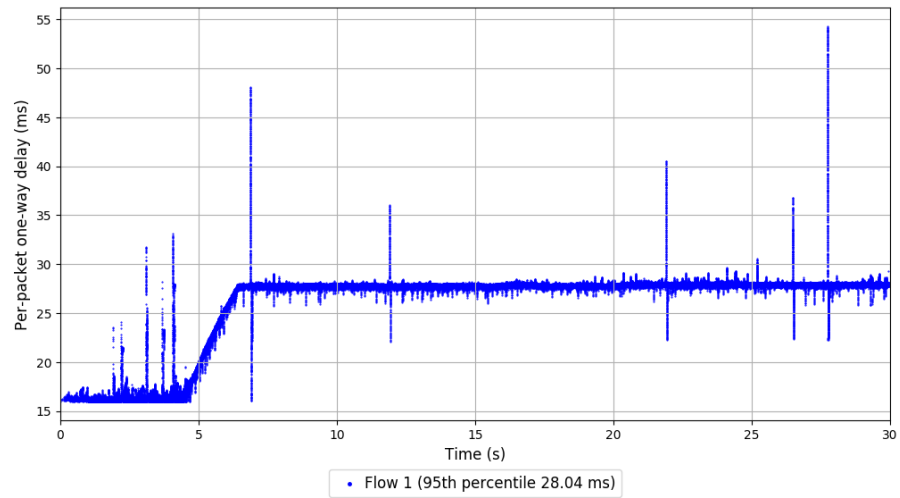
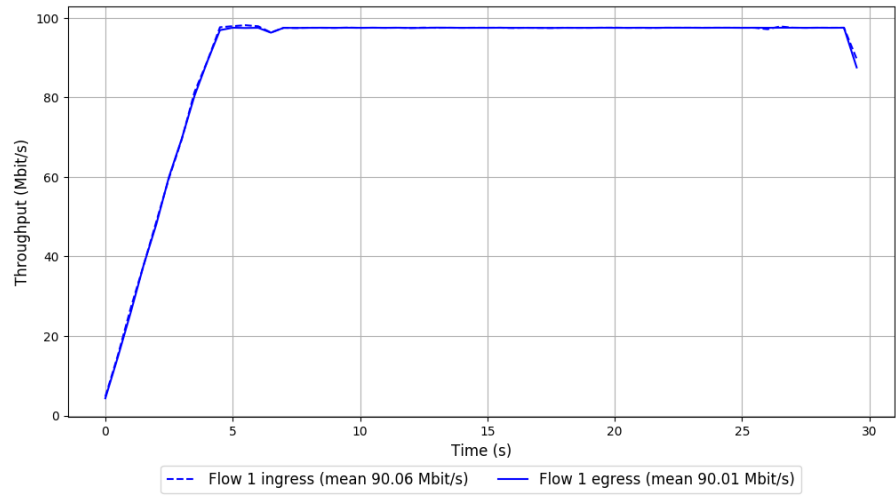
Run 9: Statistics of LEDBAT

Start at: 2017-09-03 03:18:14  
End at: 2017-09-03 03:18:44  
Local clock offset: 0.265 ms  
Remote clock offset: -5.636 ms

# Below is generated by plot.py at 2017-09-03 07:28:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.01 Mbit/s  
95th percentile per-packet one-way delay: 28.040 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 90.01 Mbit/s  
95th percentile per-packet one-way delay: 28.040 ms  
Loss rate: 0.14%



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

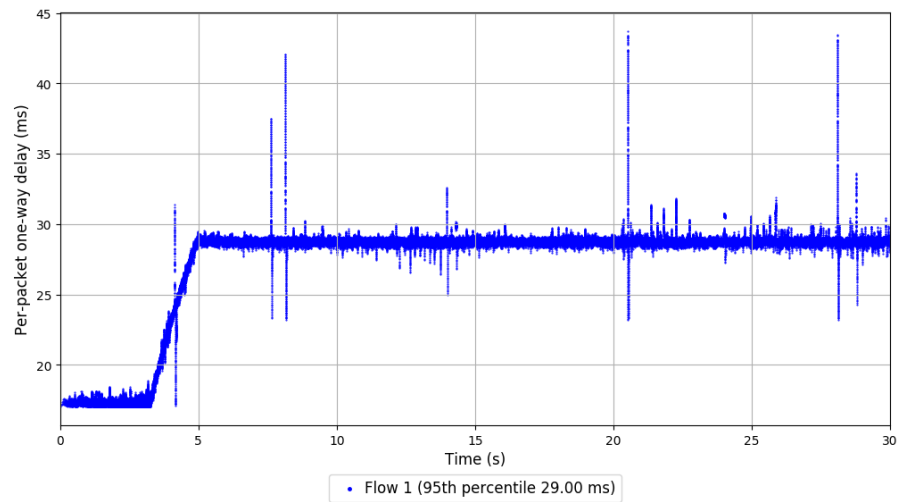
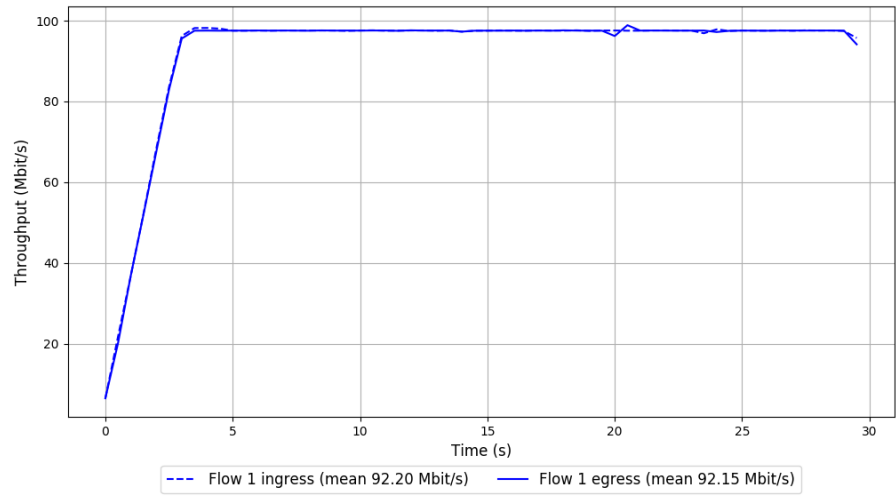


Run 10: Statistics of LEDBAT

Start at: 2017-09-03 03:36:18  
End at: 2017-09-03 03:36:48  
Local clock offset: 0.293 ms  
Remote clock offset: -6.733 ms

# Below is generated by plot.py at 2017-09-03 07:28:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.15 Mbit/s  
95th percentile per-packet one-way delay: 28.997 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 92.15 Mbit/s  
95th percentile per-packet one-way delay: 28.997 ms  
Loss rate: 0.13%

## Run 10: Report of LEDBAT — Data Link

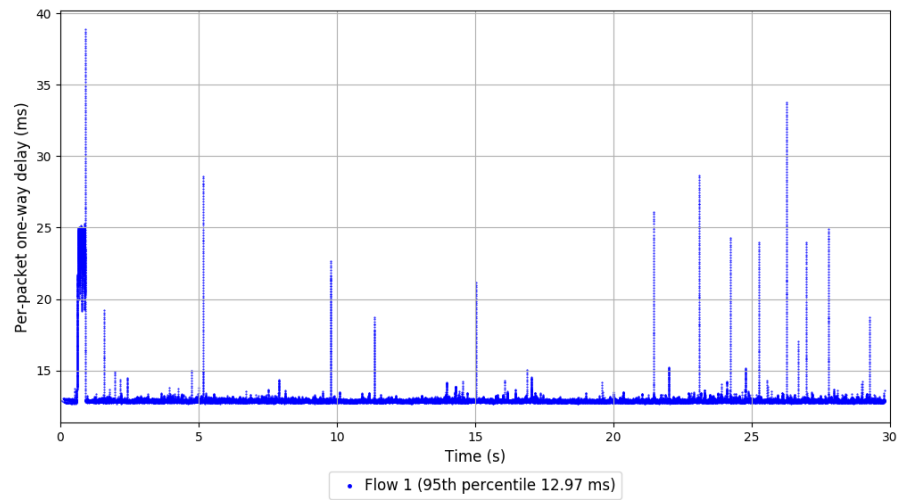
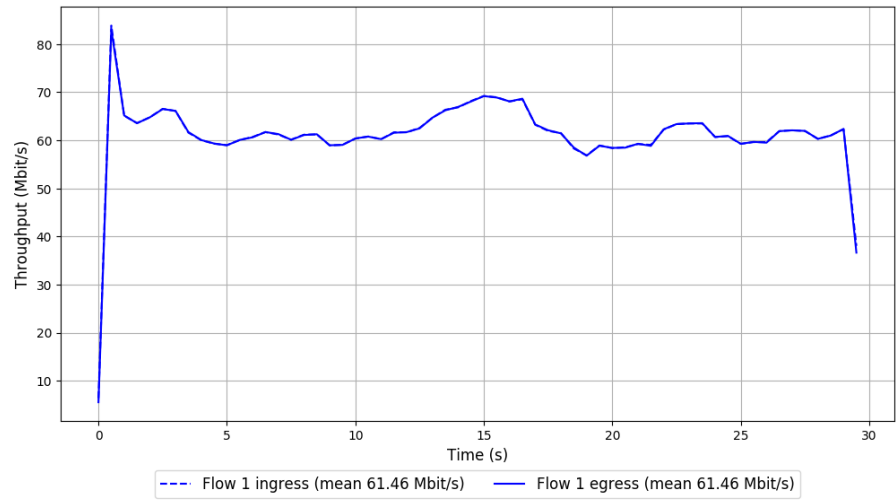


```
Run 1: Statistics of PCC

Start at: 2017-09-03 01:10:08
End at: 2017-09-03 01:10:38
Local clock offset: 1.638 ms
Remote clock offset: -1.297 ms

# Below is generated by plot.py at 2017-09-03 07:28:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.46 Mbit/s
95th percentile per-packet one-way delay: 12.975 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 61.46 Mbit/s
95th percentile per-packet one-way delay: 12.975 ms
Loss rate: 0.08%
```

### Run 1: Report of PCC — Data Link

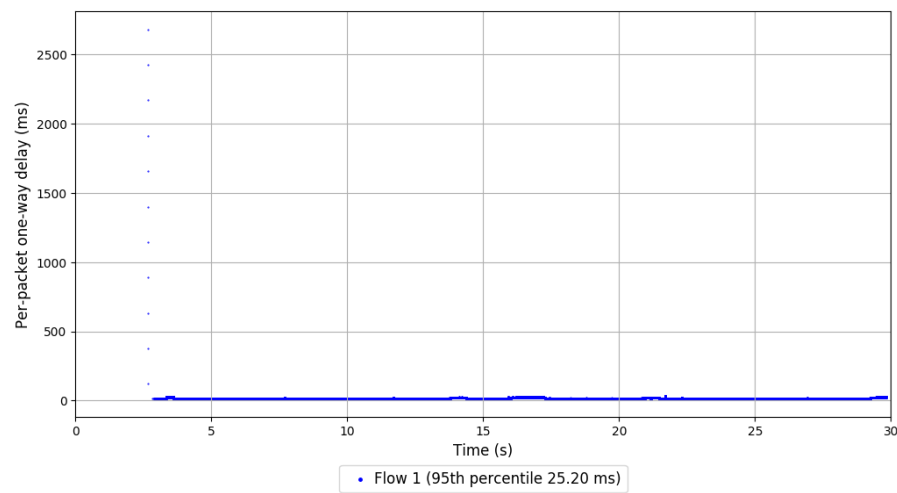
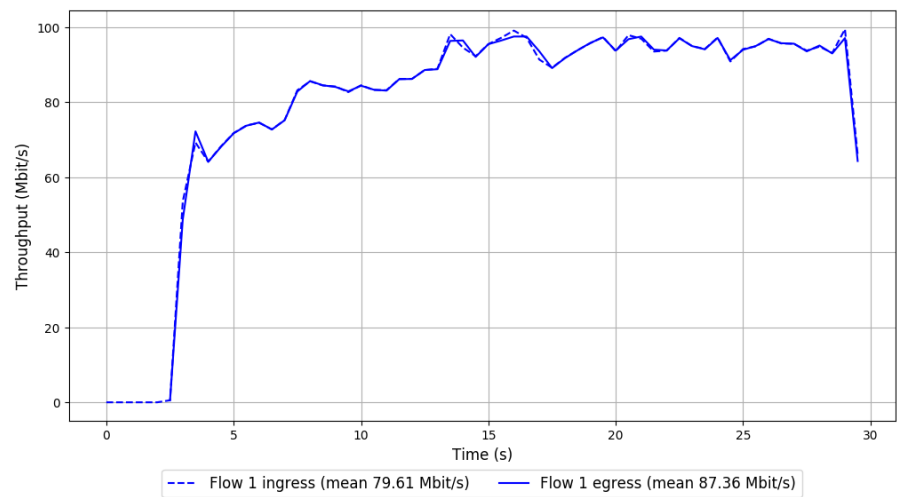


Run 2: Statistics of PCC

Start at: 2017-09-03 01:27:48  
End at: 2017-09-03 01:28:18  
Local clock offset: -2.706 ms  
Remote clock offset: -7.704 ms

# Below is generated by plot.py at 2017-09-03 07:28:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.36 Mbit/s  
95th percentile per-packet one-way delay: 25.202 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 87.36 Mbit/s  
95th percentile per-packet one-way delay: 25.202 ms  
Loss rate: 0.14%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: 2017-09-03 01:45:33

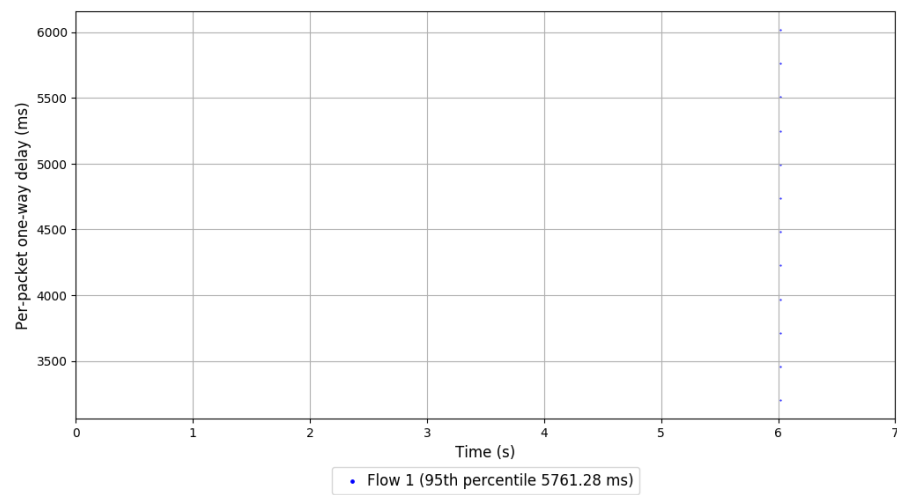
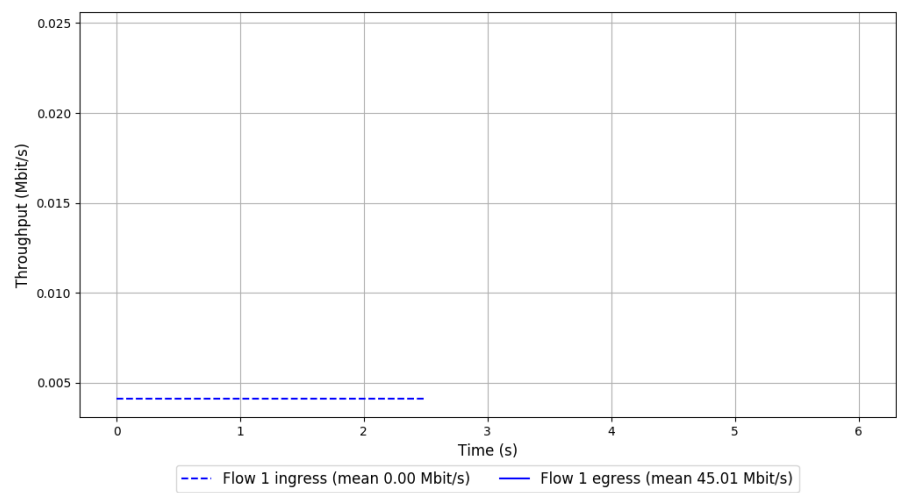
End at: 2017-09-03 01:46:03

Local clock offset: -0.706 ms

Remote clock offset: -6.547 ms



Run 3: Report of PCC — Data Link

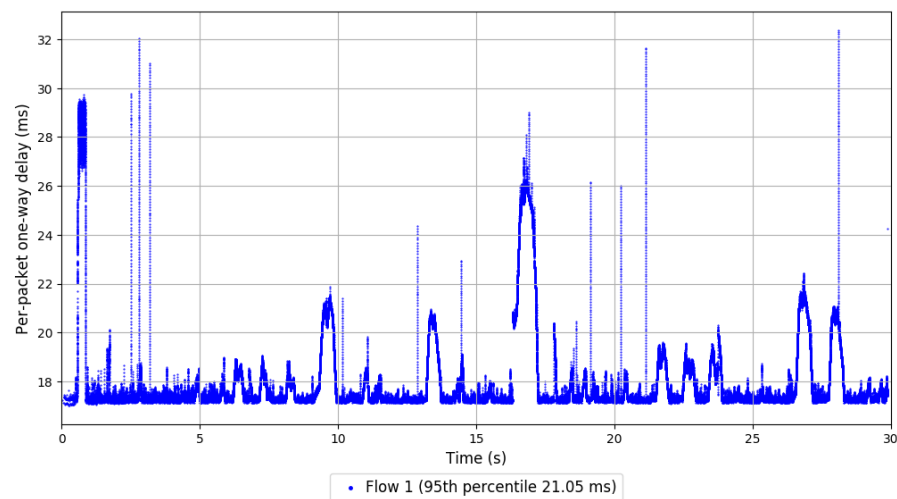
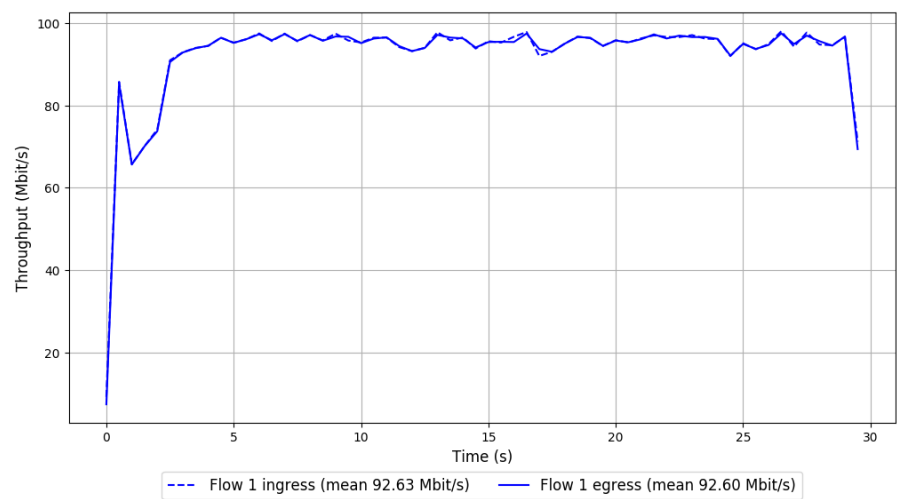


Run 4: Statistics of PCC

Start at: 2017-09-03 02:03:17  
End at: 2017-09-03 02:03:47  
Local clock offset: 0.736 ms  
Remote clock offset: -6.562 ms

# Below is generated by plot.py at 2017-09-03 07:28:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.60 Mbit/s  
95th percentile per-packet one-way delay: 21.053 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 92.60 Mbit/s  
95th percentile per-packet one-way delay: 21.053 ms  
Loss rate: 0.09%

Run 4: Report of PCC — Data Link

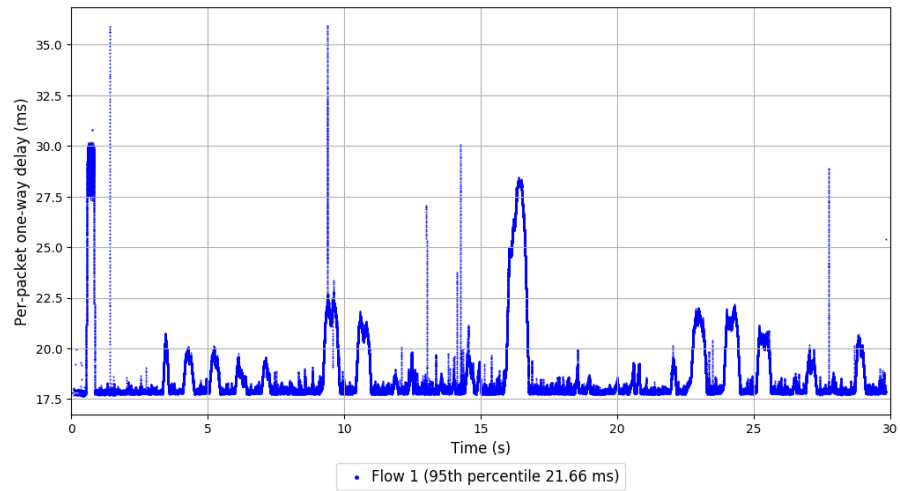
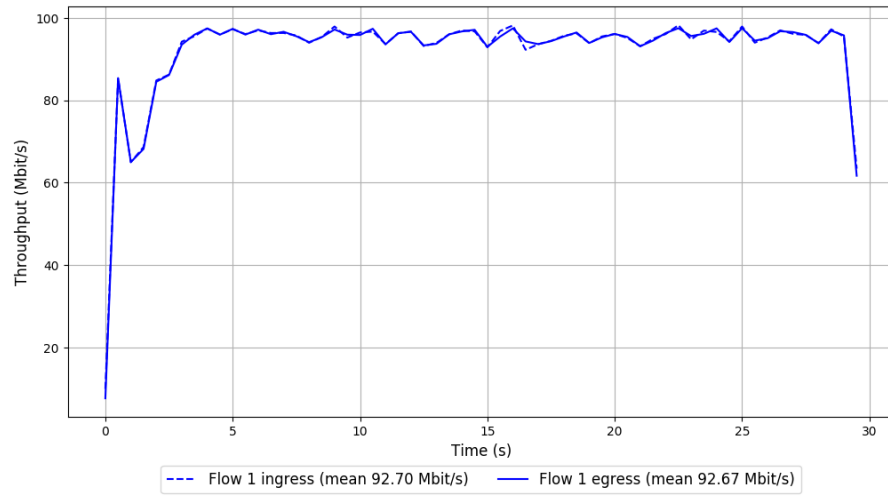


Run 5: Statistics of PCC

Start at: 2017-09-03 02:21:10  
End at: 2017-09-03 02:21:40  
Local clock offset: 1.322 ms  
Remote clock offset: -6.559 ms

# Below is generated by plot.py at 2017-09-03 07:28:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.67 Mbit/s  
95th percentile per-packet one-way delay: 21.661 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 92.67 Mbit/s  
95th percentile per-packet one-way delay: 21.661 ms  
Loss rate: 0.09%

### Run 5: Report of PCC — Data Link

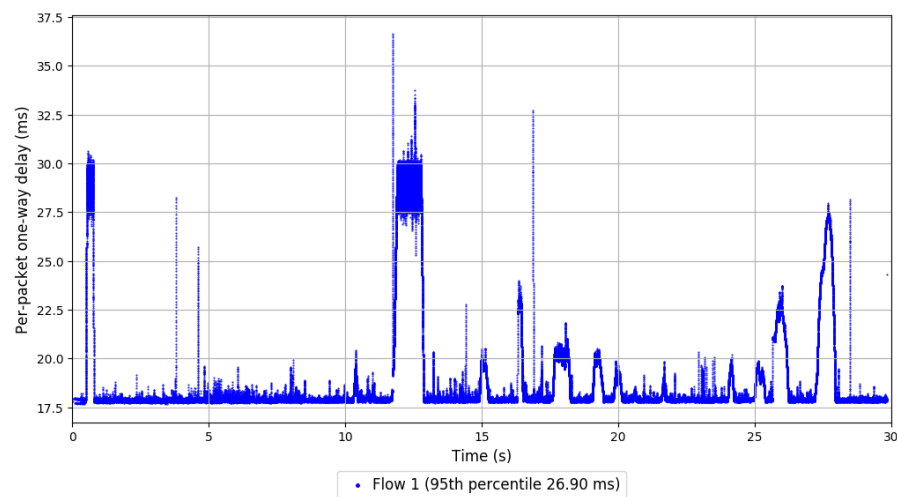
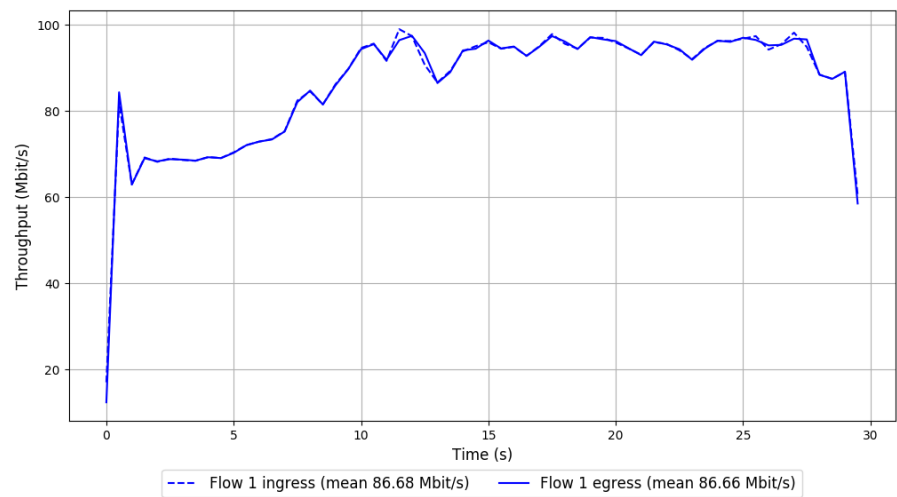


Run 6: Statistics of PCC

Start at: 2017-09-03 02:38:56  
End at: 2017-09-03 02:39:26  
Local clock offset: 1.018 ms  
Remote clock offset: -6.748 ms

# Below is generated by plot.py at 2017-09-03 07:28:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.66 Mbit/s  
95th percentile per-packet one-way delay: 26.904 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 86.66 Mbit/s  
95th percentile per-packet one-way delay: 26.904 ms  
Loss rate: 0.10%

Run 6: Report of PCC — Data Link



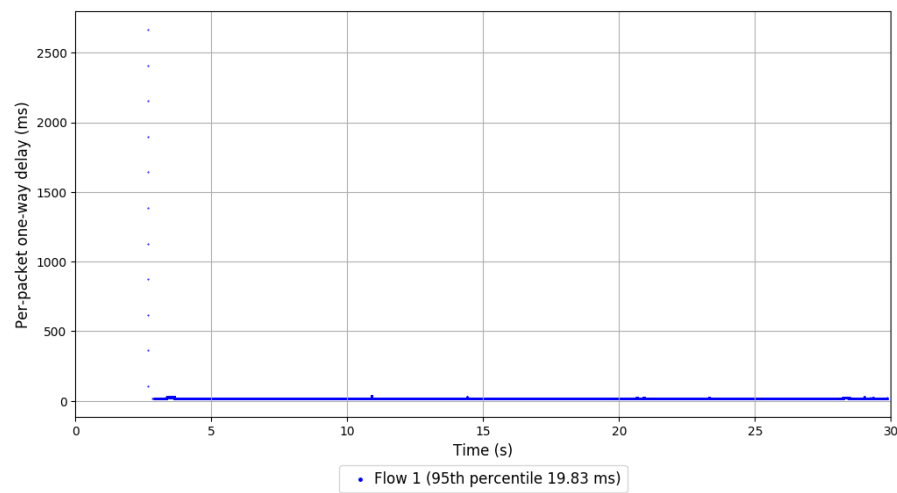
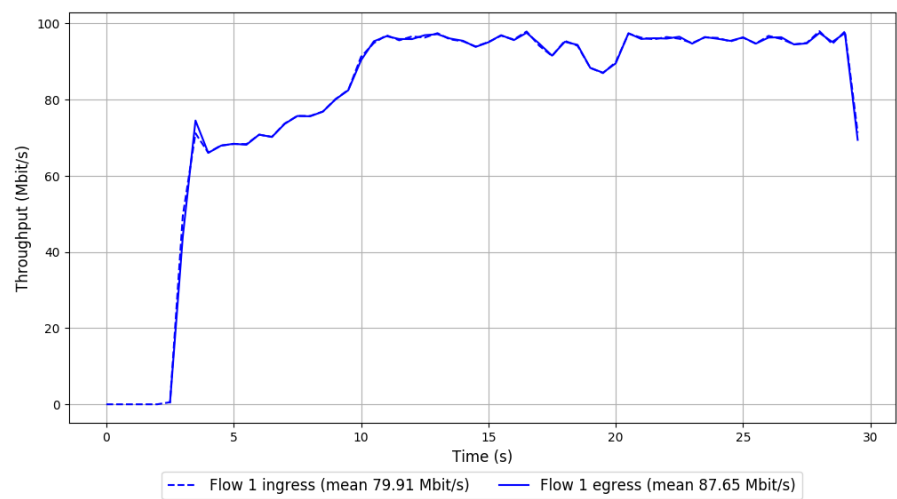
Run 7: Statistics of PCC

Start at: 2017-09-03 02:56:59  
End at: 2017-09-03 02:57:29  
Local clock offset: 0.551 ms  
Remote clock offset: -5.981 ms

# Below is generated by plot.py at 2017-09-03 07:28:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.65 Mbit/s  
95th percentile per-packet one-way delay: 19.834 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 87.65 Mbit/s  
95th percentile per-packet one-way delay: 19.834 ms  
Loss rate: 0.12%



Run 7: Report of PCC — Data Link

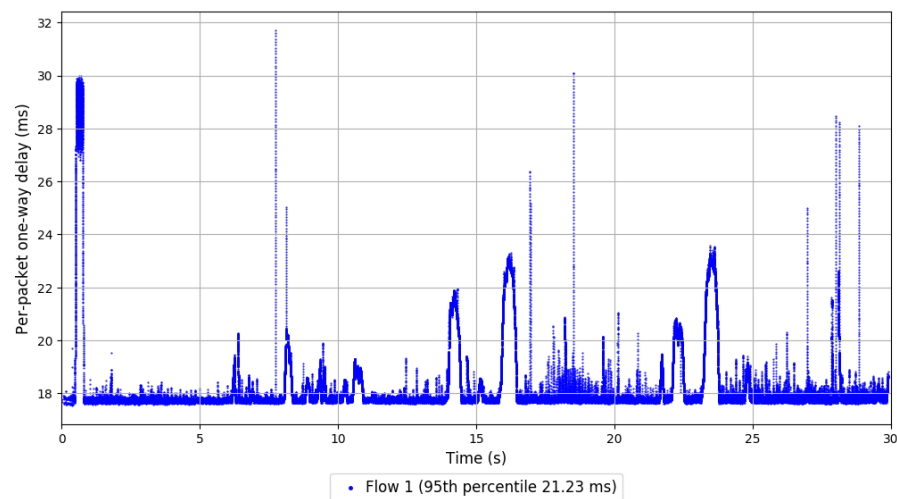
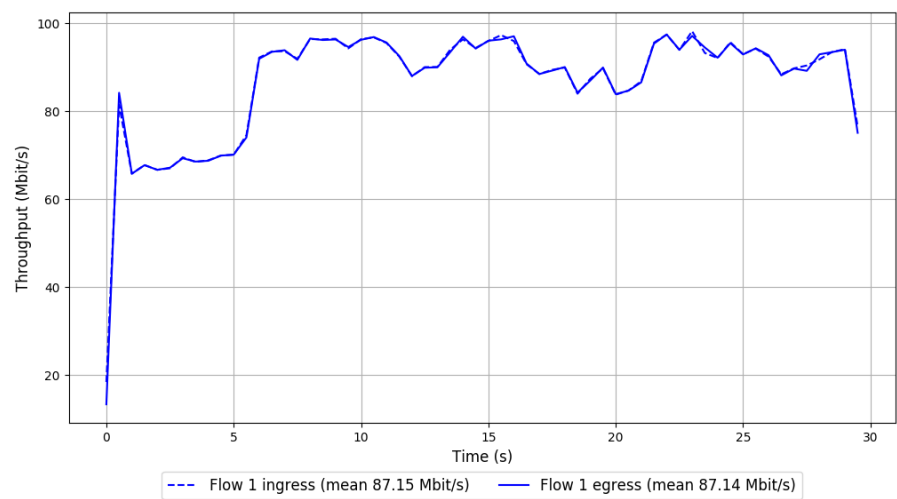


Run 8: Statistics of PCC

Start at: 2017-09-03 03:14:43  
End at: 2017-09-03 03:15:13  
Local clock offset: 1.297 ms  
Remote clock offset: -6.335 ms

# Below is generated by plot.py at 2017-09-03 07:28:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.14 Mbit/s  
95th percentile per-packet one-way delay: 21.234 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 87.14 Mbit/s  
95th percentile per-packet one-way delay: 21.234 ms  
Loss rate: 0.09%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-09-03 03:32:45

End at: 2017-09-03 03:33:15

Local clock offset: -2.016 ms

Remote clock offset: -6.27 ms

# Below is generated by plot.py at 2017-09-03 07:28:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.94 Mbit/s

95th percentile per-packet one-way delay: 25.283 ms

Loss rate: 0.09%

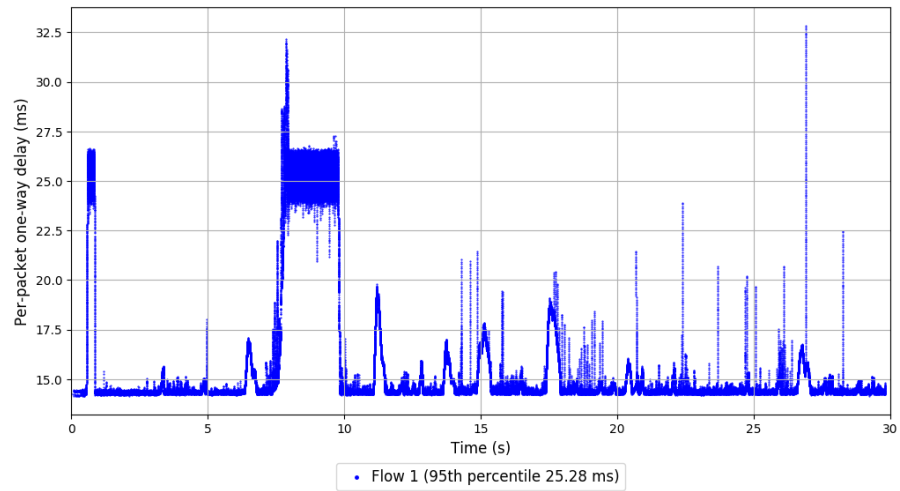
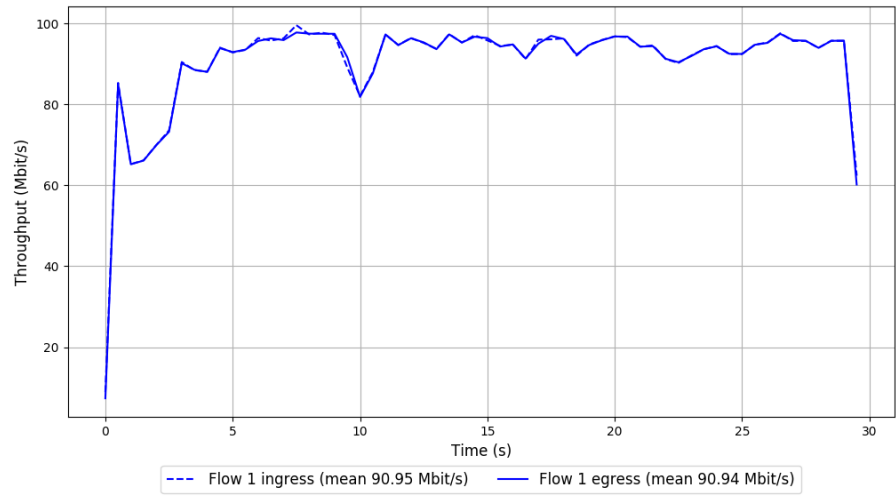
-- Flow 1:

Average throughput: 90.94 Mbit/s

95th percentile per-packet one-way delay: 25.283 ms

Loss rate: 0.09%

### Run 9: Report of PCC — Data Link

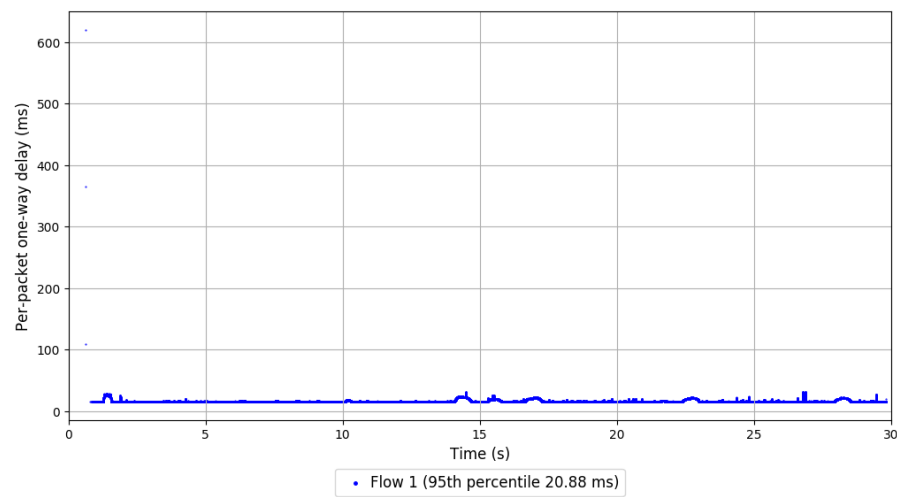
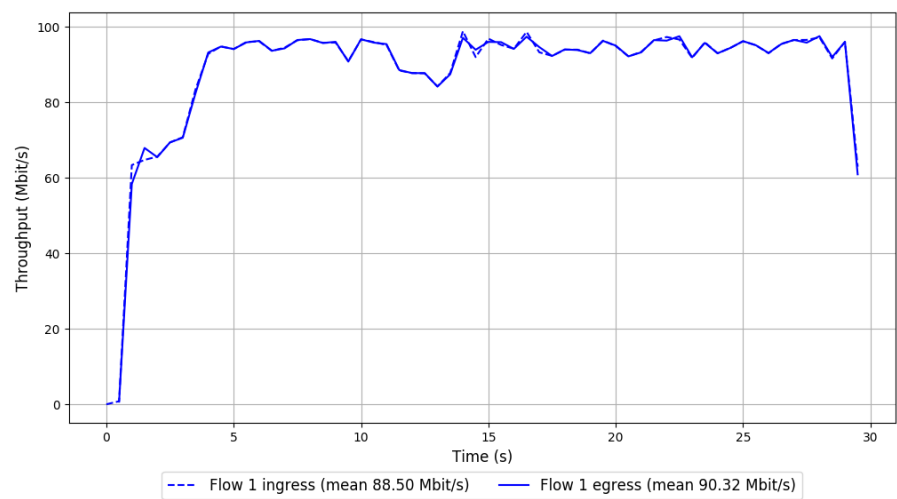


Run 10: Statistics of PCC

Start at: 2017-09-03 03:50:45  
End at: 2017-09-03 03:51:15  
Local clock offset: 0.102 ms  
Remote clock offset: -5.334 ms

# Below is generated by plot.py at 2017-09-03 07:28:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.32 Mbit/s  
95th percentile per-packet one-way delay: 20.876 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 90.32 Mbit/s  
95th percentile per-packet one-way delay: 20.876 ms  
Loss rate: 0.09%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2017-09-03 01:06:44

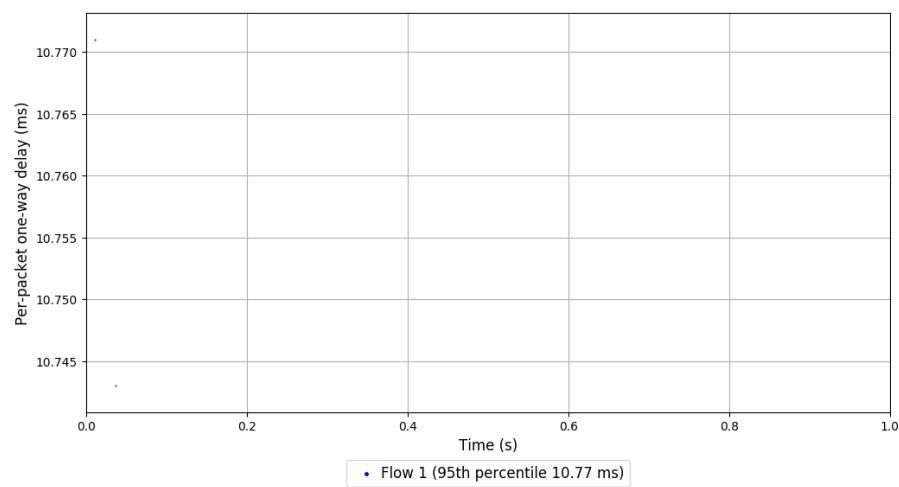
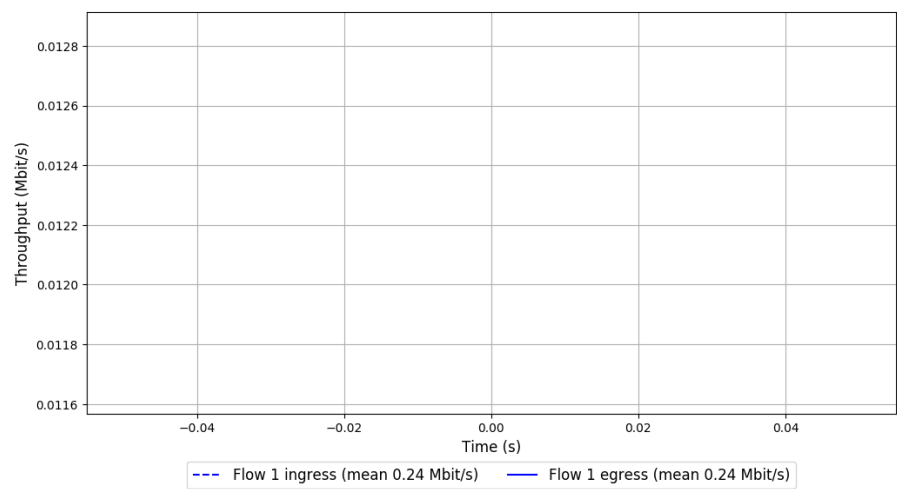
End at: 2017-09-03 01:07:14

Local clock offset: -0.708 ms

Remote clock offset: -1.515 ms



Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2017-09-03 01:24:13

End at: 2017-09-03 01:24:43

Local clock offset: -0.168 ms

Remote clock offset: -7.416 ms

# Below is generated by plot.py at 2017-09-03 07:29:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.92 Mbit/s

95th percentile per-packet one-way delay: 18.323 ms

Loss rate: 0.09%

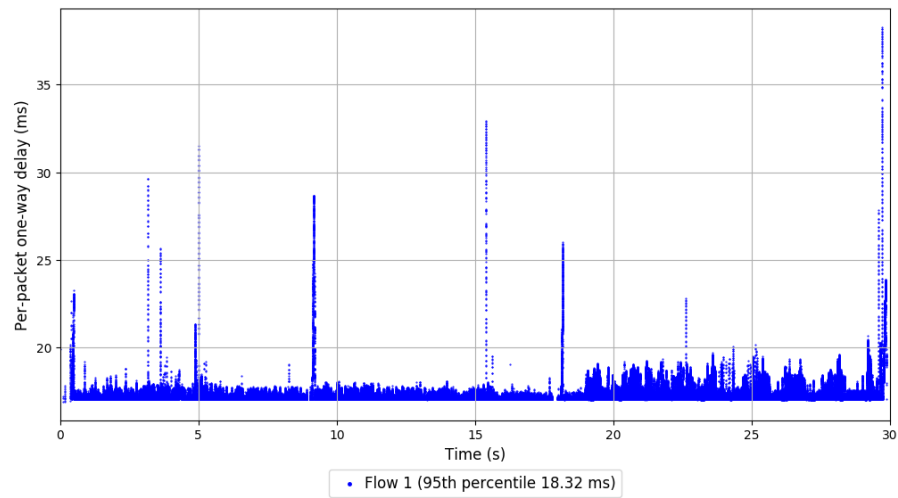
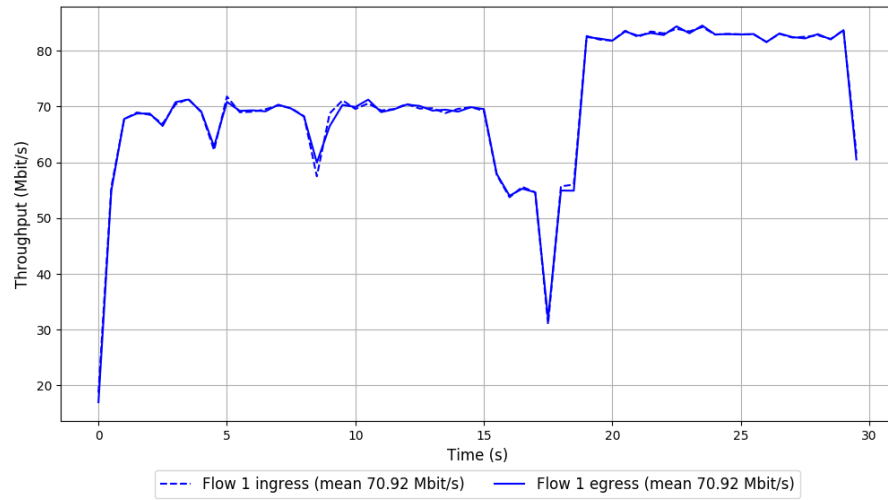
-- Flow 1:

Average throughput: 70.92 Mbit/s

95th percentile per-packet one-way delay: 18.323 ms

Loss rate: 0.09%

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

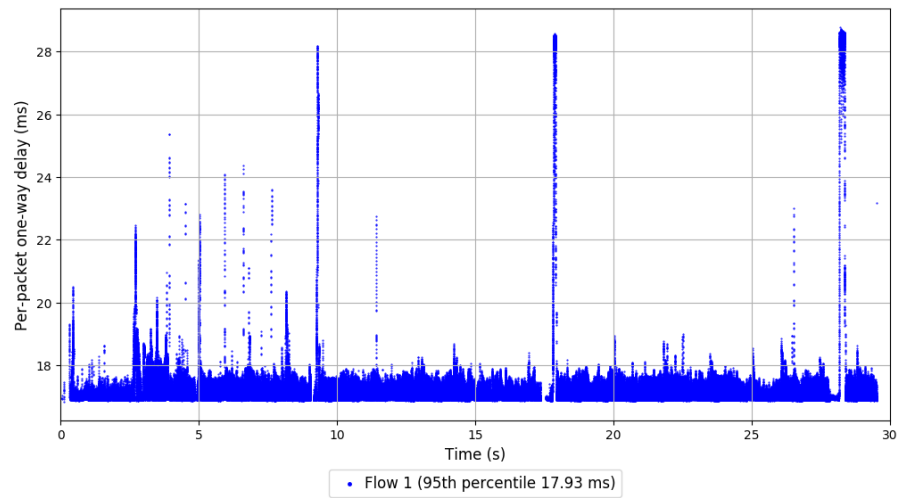
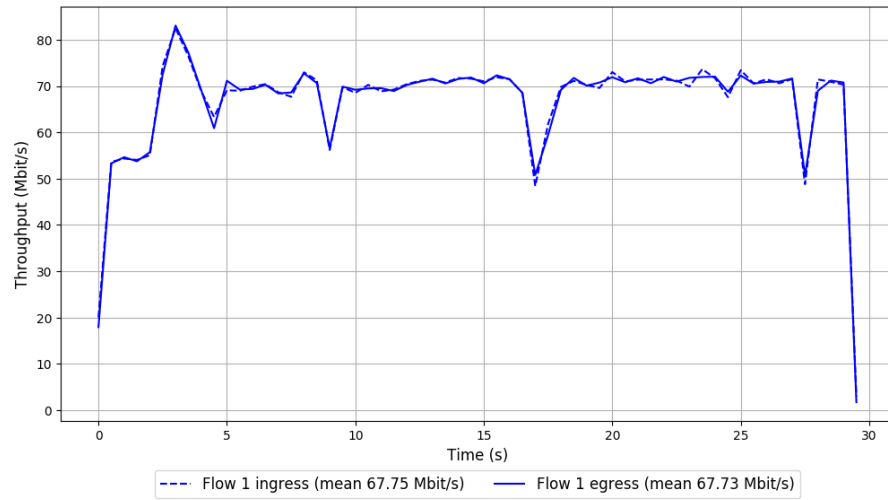


Run 3: Statistics of QUIC Cubic

Start at: 2017-09-03 01:42:01  
End at: 2017-09-03 01:42:31  
Local clock offset: 0.882 ms  
Remote clock offset: -6.141 ms

# Below is generated by plot.py at 2017-09-03 07:29:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 67.73 Mbit/s  
95th percentile per-packet one-way delay: 17.930 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 67.73 Mbit/s  
95th percentile per-packet one-way delay: 17.930 ms  
Loss rate: 0.09%

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

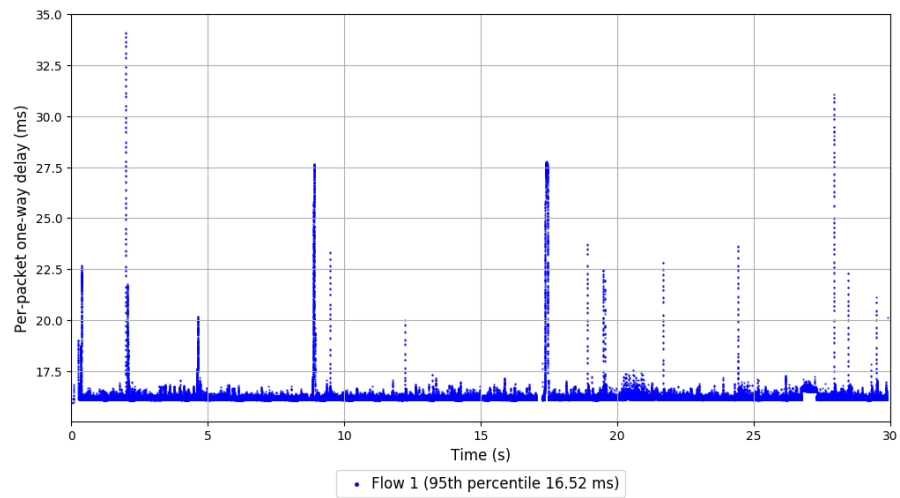
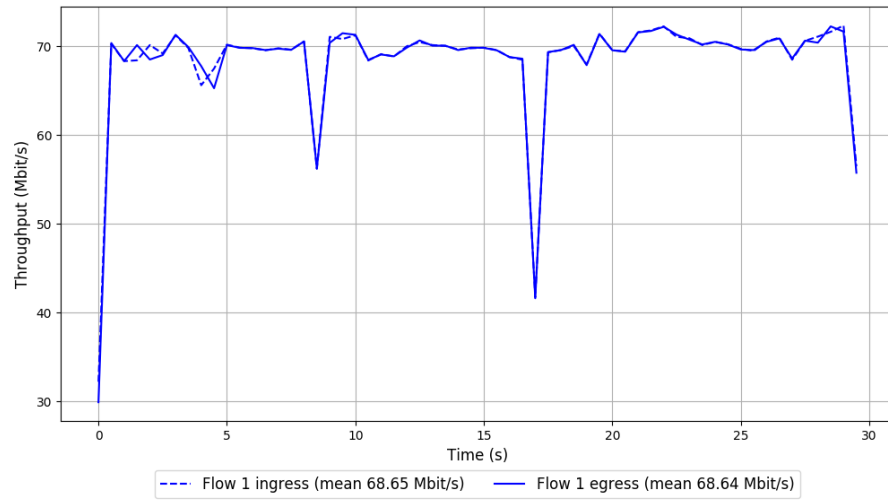


Run 4: Statistics of QUIC Cubic

Start at: 2017-09-03 01:59:40  
End at: 2017-09-03 02:00:10  
Local clock offset: 0.223 ms  
Remote clock offset: -5.964 ms

# Below is generated by plot.py at 2017-09-03 07:29:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.64 Mbit/s  
95th percentile per-packet one-way delay: 16.519 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 68.64 Mbit/s  
95th percentile per-packet one-way delay: 16.519 ms  
Loss rate: 0.09%

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



Run 5: Statistics of QUIC Cubic

Start at: 2017-09-03 02:17:36

End at: 2017-09-03 02:18:07

Local clock offset: -1.629 ms

Remote clock offset: -7.101 ms

# Below is generated by plot.py at 2017-09-03 07:29:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.12 Mbit/s

95th percentile per-packet one-way delay: 15.989 ms

Loss rate: 0.10%

-- Flow 1:

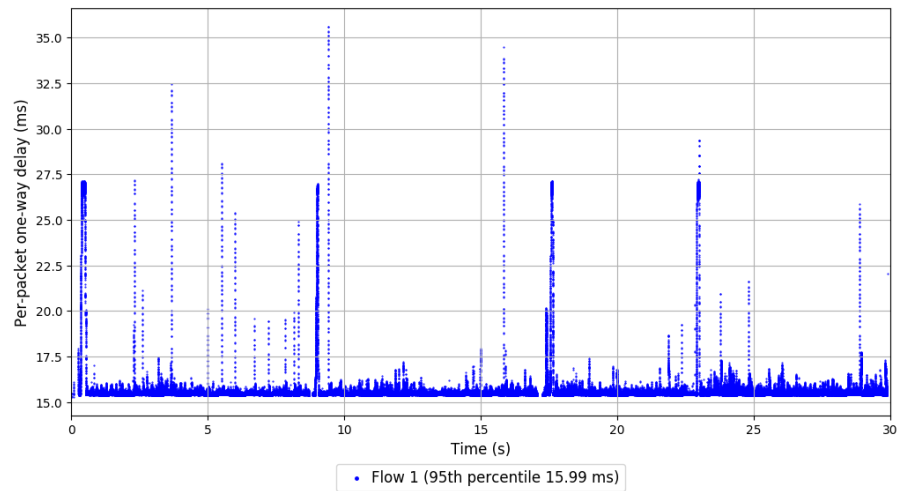
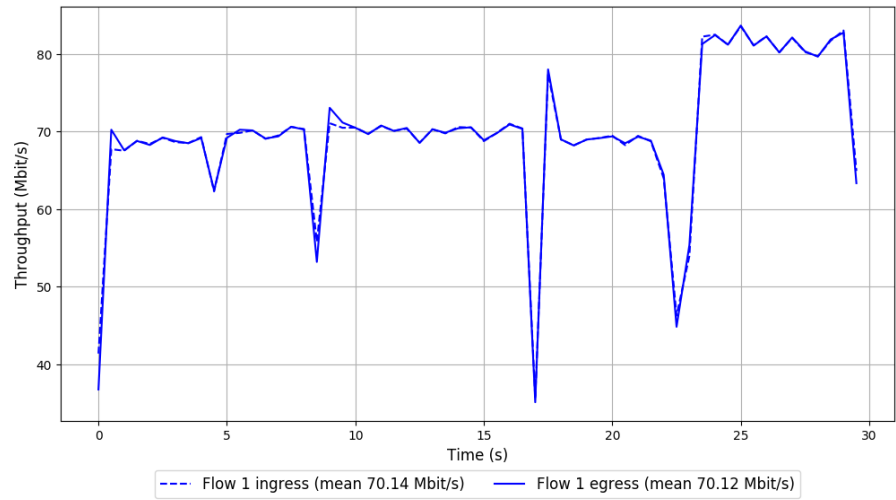
Average throughput: 70.12 Mbit/s

95th percentile per-packet one-way delay: 15.989 ms

Loss rate: 0.10%



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



Run 6: Statistics of QUIC Cubic

Start at: 2017-09-03 02:35:23

End at: 2017-09-03 02:35:53

Local clock offset: 0.99 ms

Remote clock offset: -7.034 ms

# Below is generated by plot.py at 2017-09-03 07:29:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 67.03 Mbit/s

95th percentile per-packet one-way delay: 18.499 ms

Loss rate: 0.05%

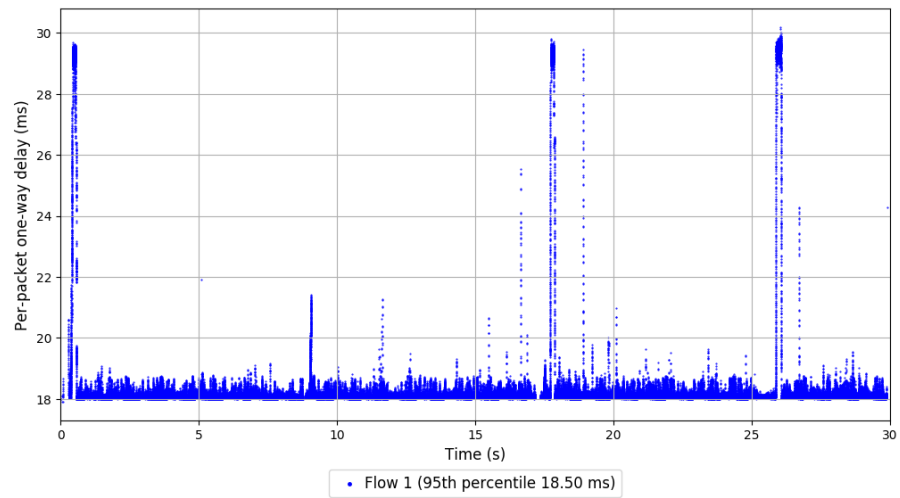
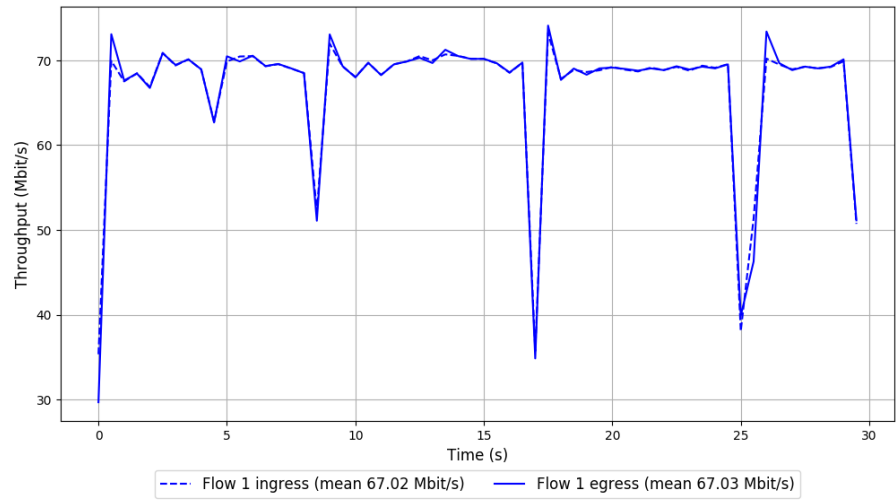
-- Flow 1:

Average throughput: 67.03 Mbit/s

95th percentile per-packet one-way delay: 18.499 ms

Loss rate: 0.05%

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

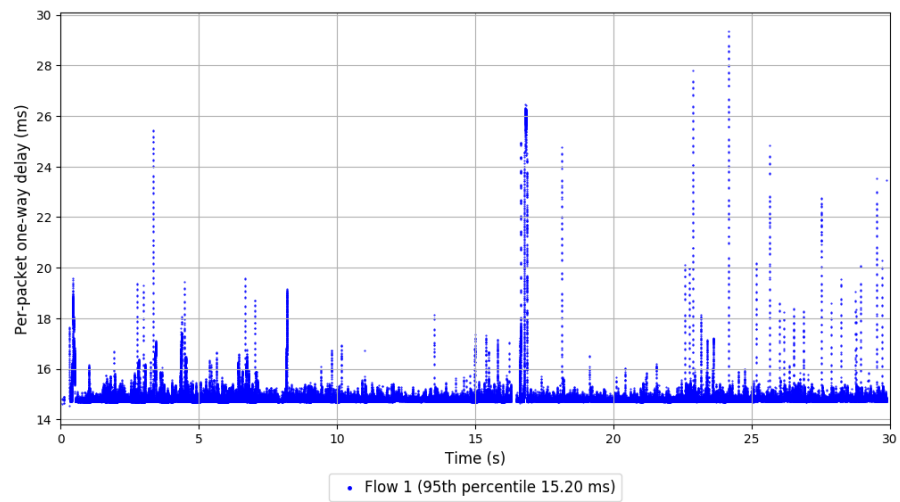
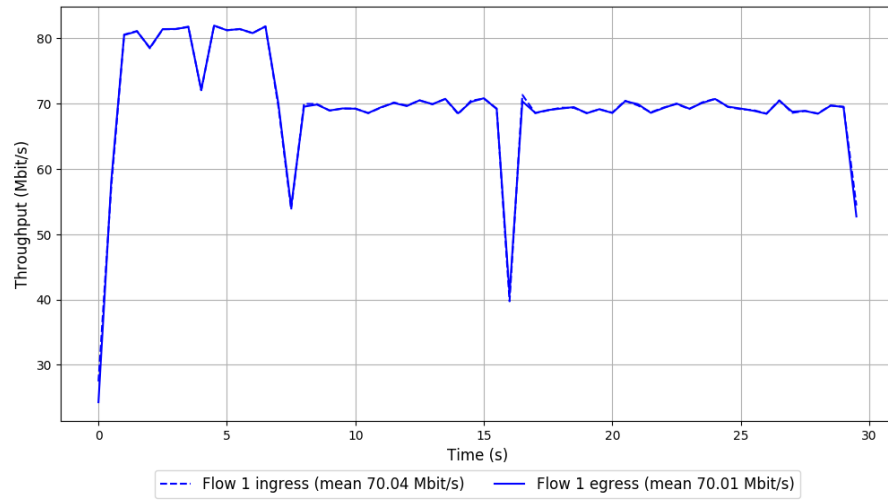


Run 7: Statistics of QUIC Cubic

Start at: 2017-09-03 02:53:25  
End at: 2017-09-03 02:53:55  
Local clock offset: -2.201 ms  
Remote clock offset: -6.782 ms

# Below is generated by plot.py at 2017-09-03 07:29:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.01 Mbit/s  
95th percentile per-packet one-way delay: 15.197 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 70.01 Mbit/s  
95th percentile per-packet one-way delay: 15.197 ms  
Loss rate: 0.09%

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



Run 8: Statistics of QUIC Cubic

Start at: 2017-09-03 03:11:09

End at: 2017-09-03 03:11:39

Local clock offset: -0.688 ms

Remote clock offset: -5.901 ms

# Below is generated by plot.py at 2017-09-03 07:29:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 68.96 Mbit/s

95th percentile per-packet one-way delay: 15.775 ms

Loss rate: 0.09%

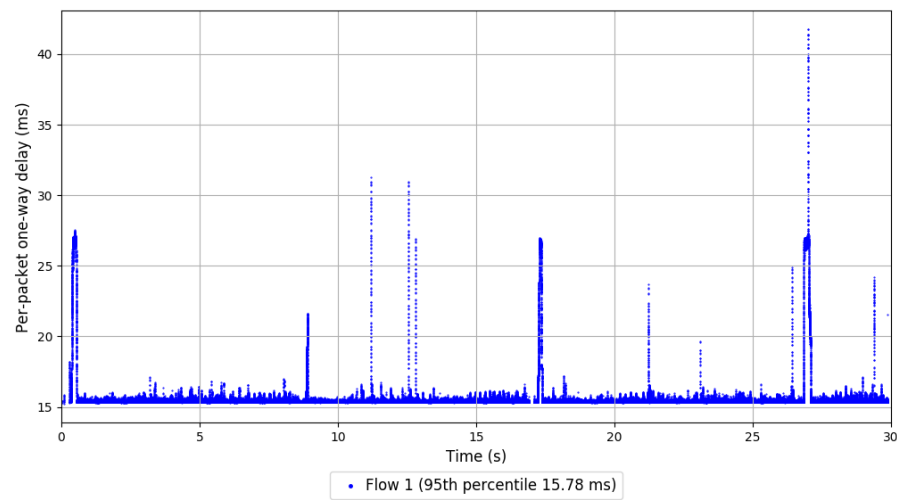
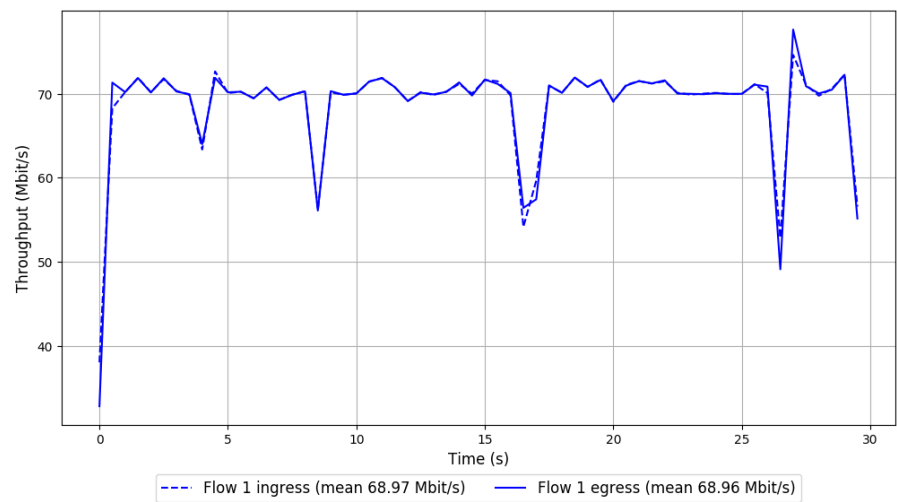
-- Flow 1:

Average throughput: 68.96 Mbit/s

95th percentile per-packet one-way delay: 15.775 ms

Loss rate: 0.09%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-09-03 03:29:06

End at: 2017-09-03 03:29:36

Local clock offset: -1.21 ms

Remote clock offset: -5.575 ms

# Below is generated by plot.py at 2017-09-03 07:29:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.46 Mbit/s

95th percentile per-packet one-way delay: 18.579 ms

Loss rate: 0.15%

-- Flow 1:

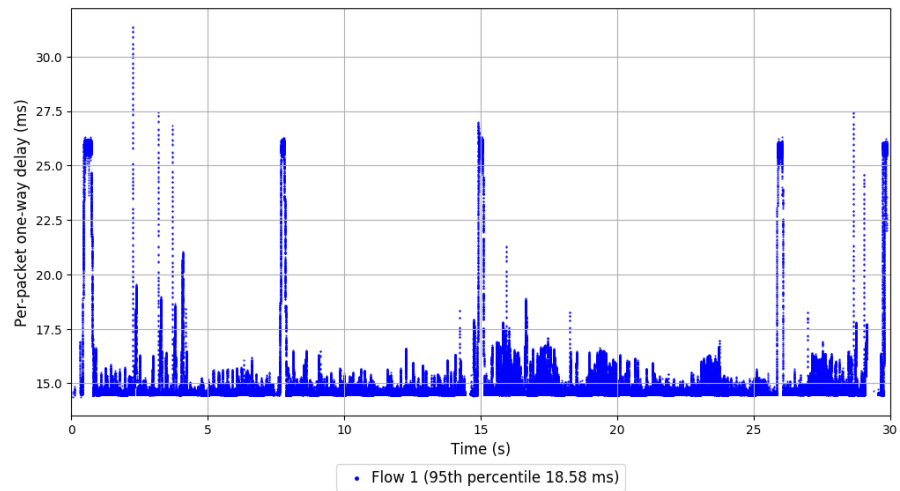
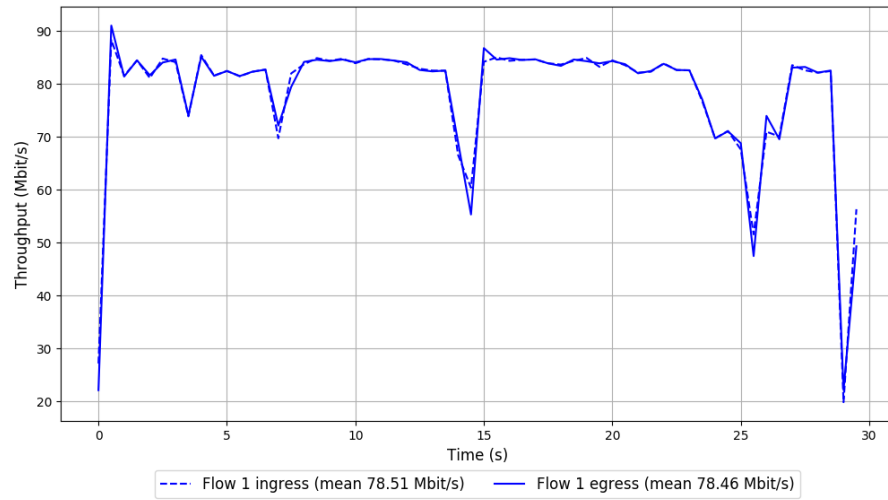
Average throughput: 78.46 Mbit/s

95th percentile per-packet one-way delay: 18.579 ms

Loss rate: 0.15%



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



Run 10: Statistics of QUIC Cubic

Start at: 2017-09-03 03:47:07

End at: 2017-09-03 03:47:37

Local clock offset: -1.831 ms

Remote clock offset: -6.206 ms

# Below is generated by plot.py at 2017-09-03 07:29:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.66 Mbit/s

95th percentile per-packet one-way delay: 15.105 ms

Loss rate: 0.10%

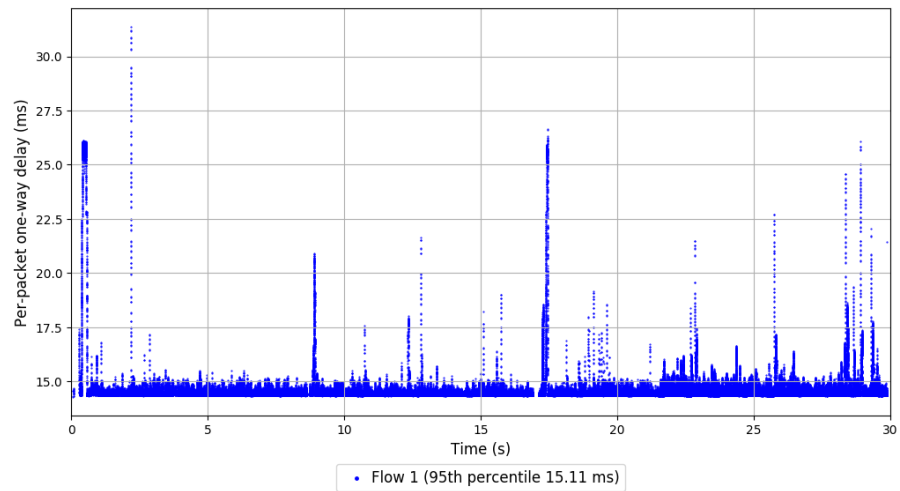
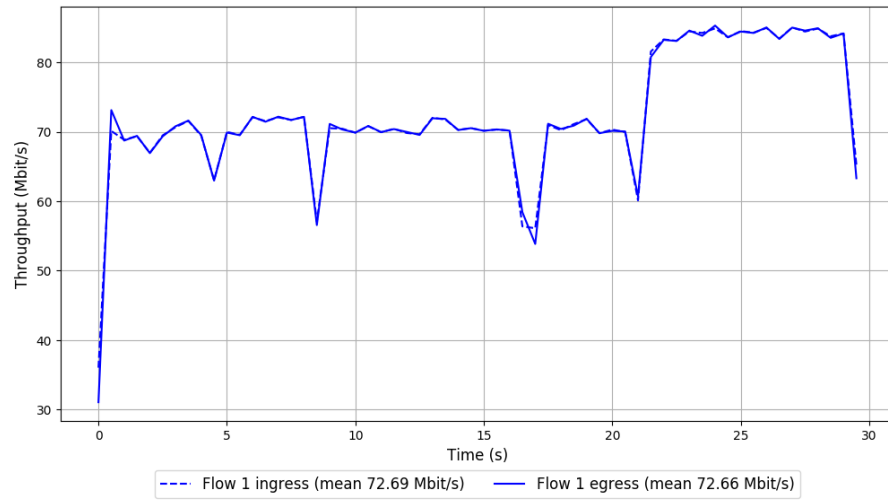
-- Flow 1:

Average throughput: 72.66 Mbit/s

95th percentile per-packet one-way delay: 15.105 ms

Loss rate: 0.10%

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

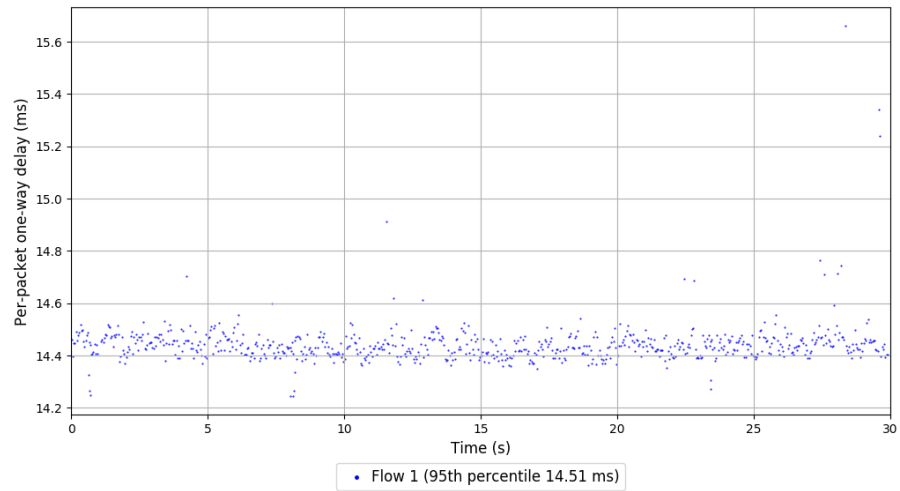
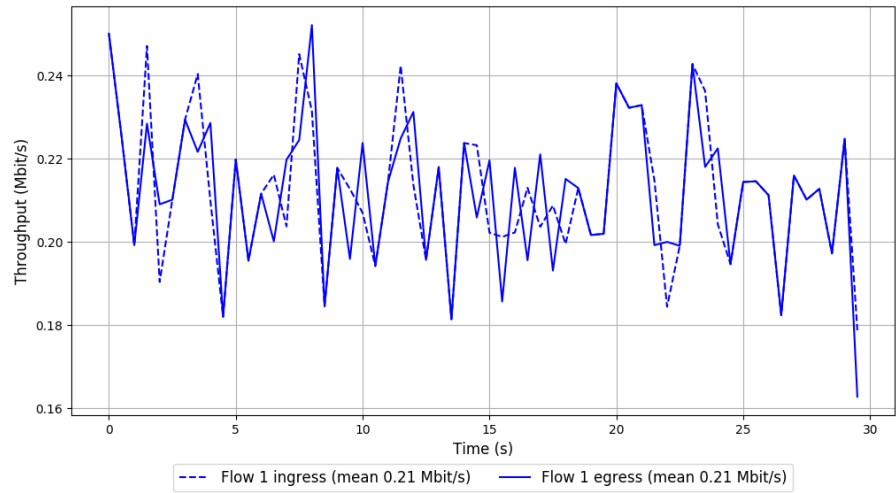


```
Run 1: Statistics of SCReAM

Start at: 2017-09-03 00:58:33
End at: 2017-09-03 00:59:03
Local clock offset: 0.382 ms
Remote clock offset: -3.992 ms

# Below is generated by plot.py at 2017-09-03 07:29:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.514 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.514 ms
Loss rate: 0.13%
```

## Run 1: Report of SReAM — Data Link

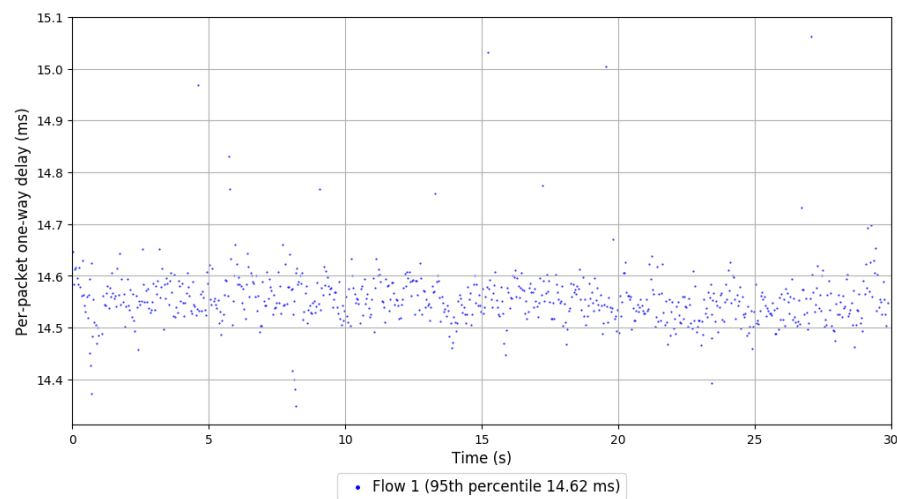
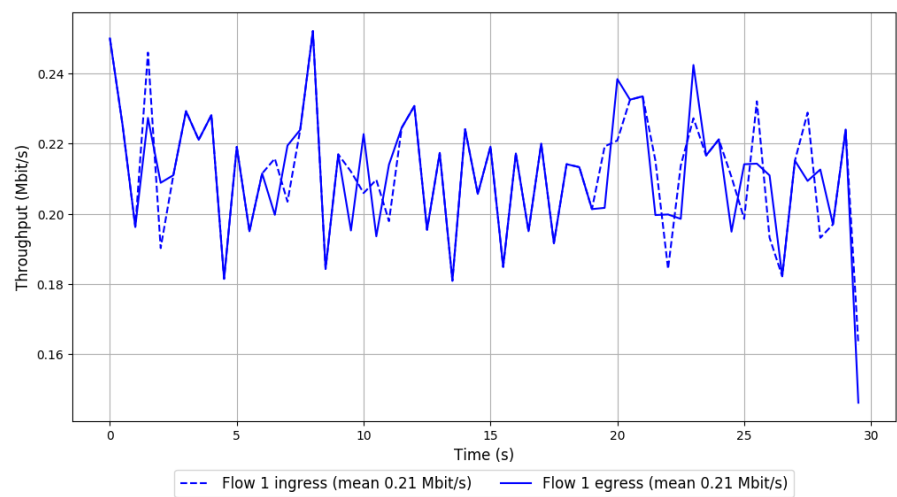


```
Run 2: Statistics of SCReAM

Start at: 2017-09-03 01:15:55
End at: 2017-09-03 01:16:25
Local clock offset: -0.315 ms
Remote clock offset: -4.932 ms

# Below is generated by plot.py at 2017-09-03 07:29:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.621 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 14.621 ms
Loss rate: 0.13%
```

Run 2: Report of SReAM — Data Link



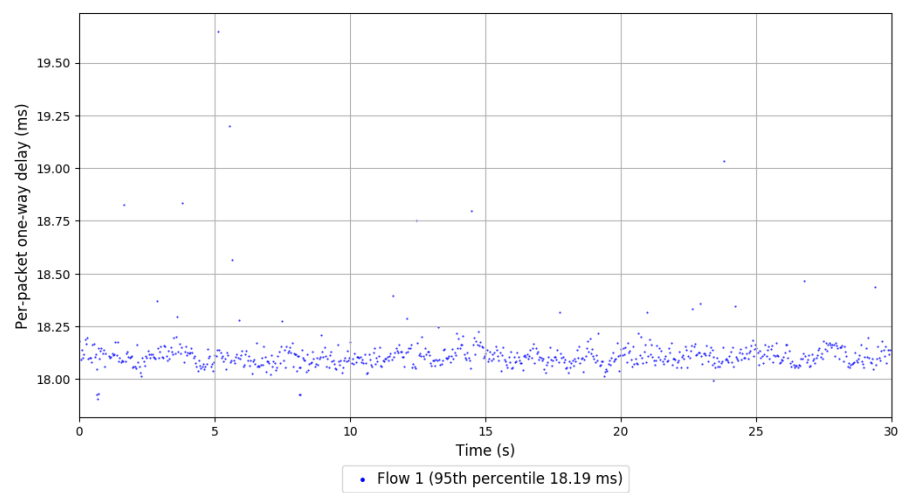
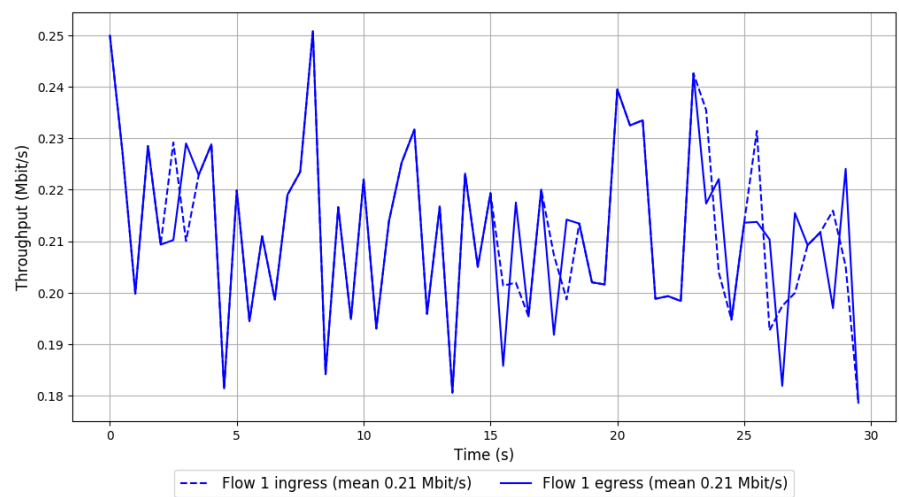
Run 3: Statistics of SCReAM

Start at: 2017-09-03 01:33:47  
End at: 2017-09-03 01:34:17  
Local clock offset: 0.528 ms  
Remote clock offset: -7.638 ms

# Below is generated by plot.py at 2017-09-03 07:29:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 18.187 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 18.187 ms  
Loss rate: 0.00%



Run 3: Report of SReAM — Data Link

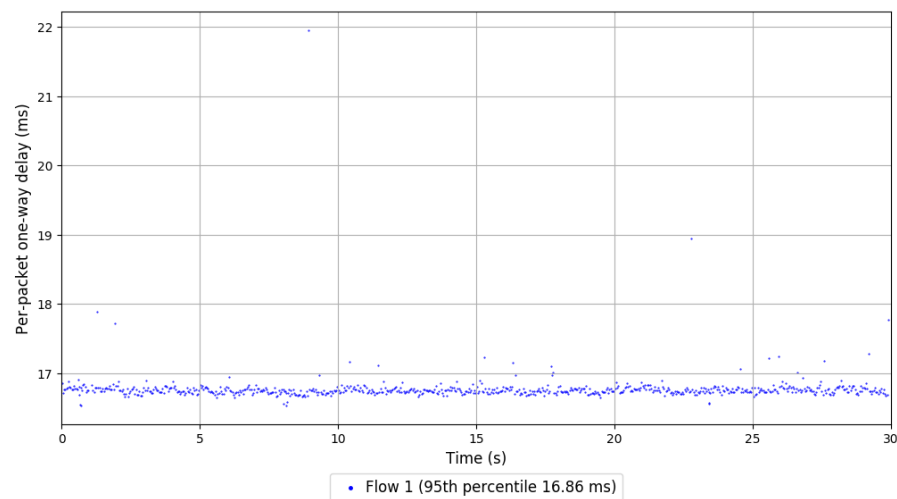
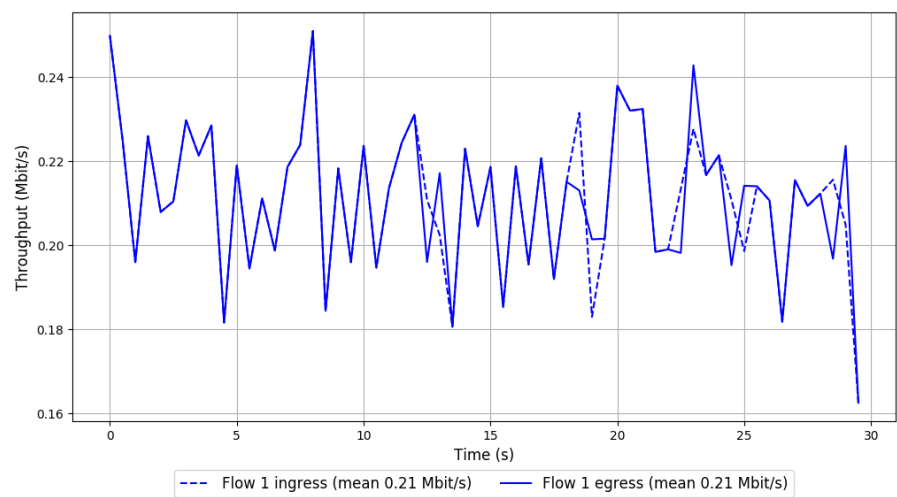


Run 4: Statistics of SCReAM

Start at: 2017-09-03 01:51:24  
End at: 2017-09-03 01:51:54  
Local clock offset: -0.223 ms  
Remote clock offset: -6.973 ms

# Below is generated by plot.py at 2017-09-03 07:29:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 16.855 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 16.855 ms  
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

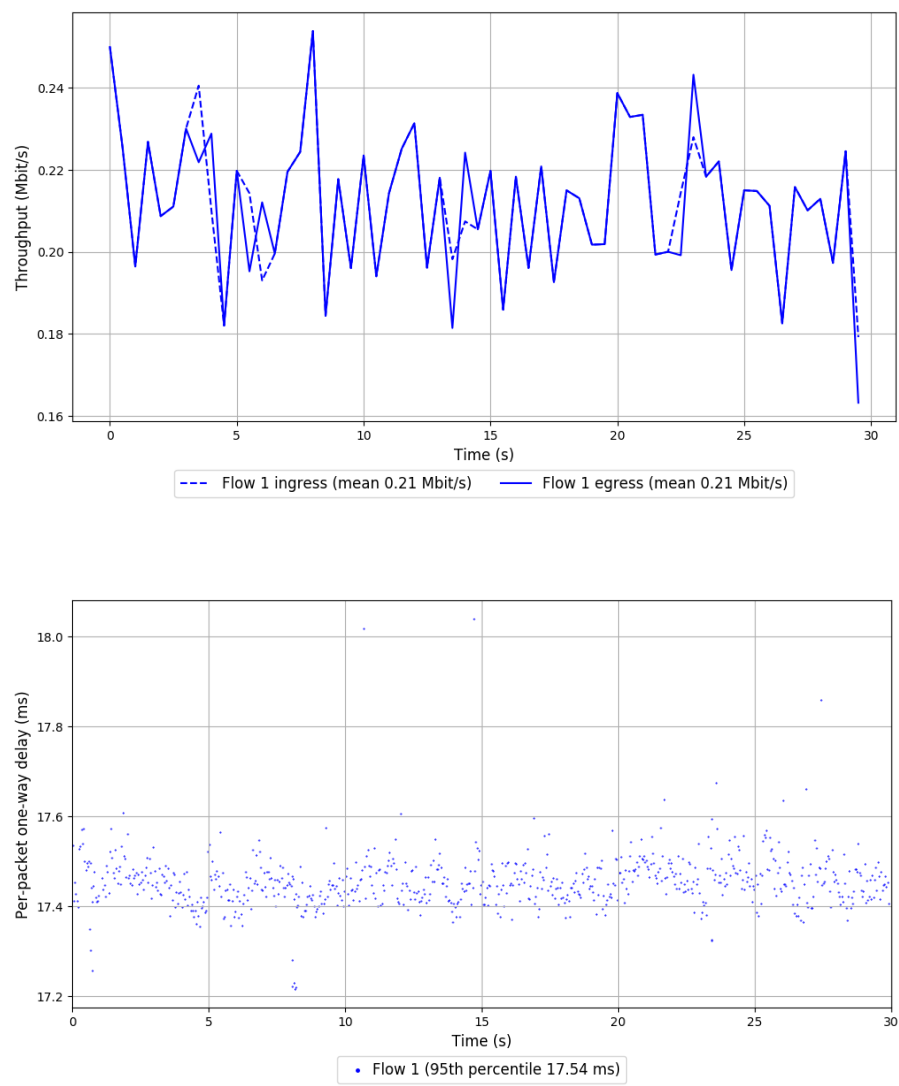


Run 5: Statistics of SCReAM

Start at: 2017-09-03 02:09:13  
End at: 2017-09-03 02:09:43  
Local clock offset: 0.697 ms  
Remote clock offset: -6.665 ms

# Below is generated by plot.py at 2017-09-03 07:29:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 17.543 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 17.543 ms  
Loss rate: 0.13%

Run 5: Report of SCRaM — Data Link

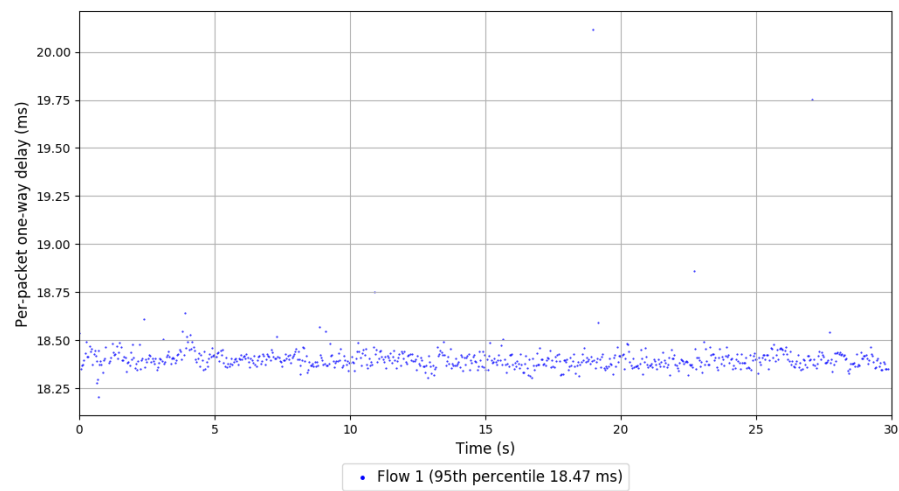
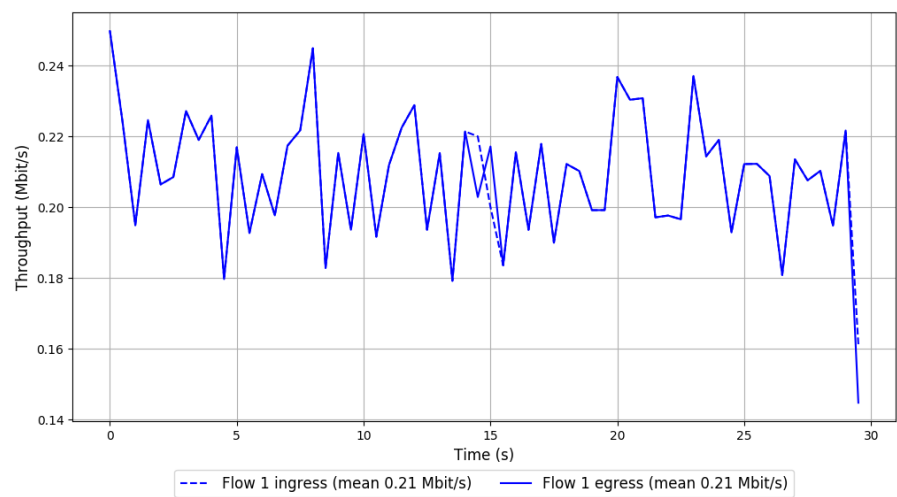


Run 6: Statistics of SCReAM

Start at: 2017-09-03 02:27:02  
End at: 2017-09-03 02:27:32  
Local clock offset: 1.392 ms  
Remote clock offset: -6.866 ms

# Below is generated by plot.py at 2017-09-03 07:29:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 18.466 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 18.466 ms  
Loss rate: 0.13%

Run 6: Report of SReAM — Data Link



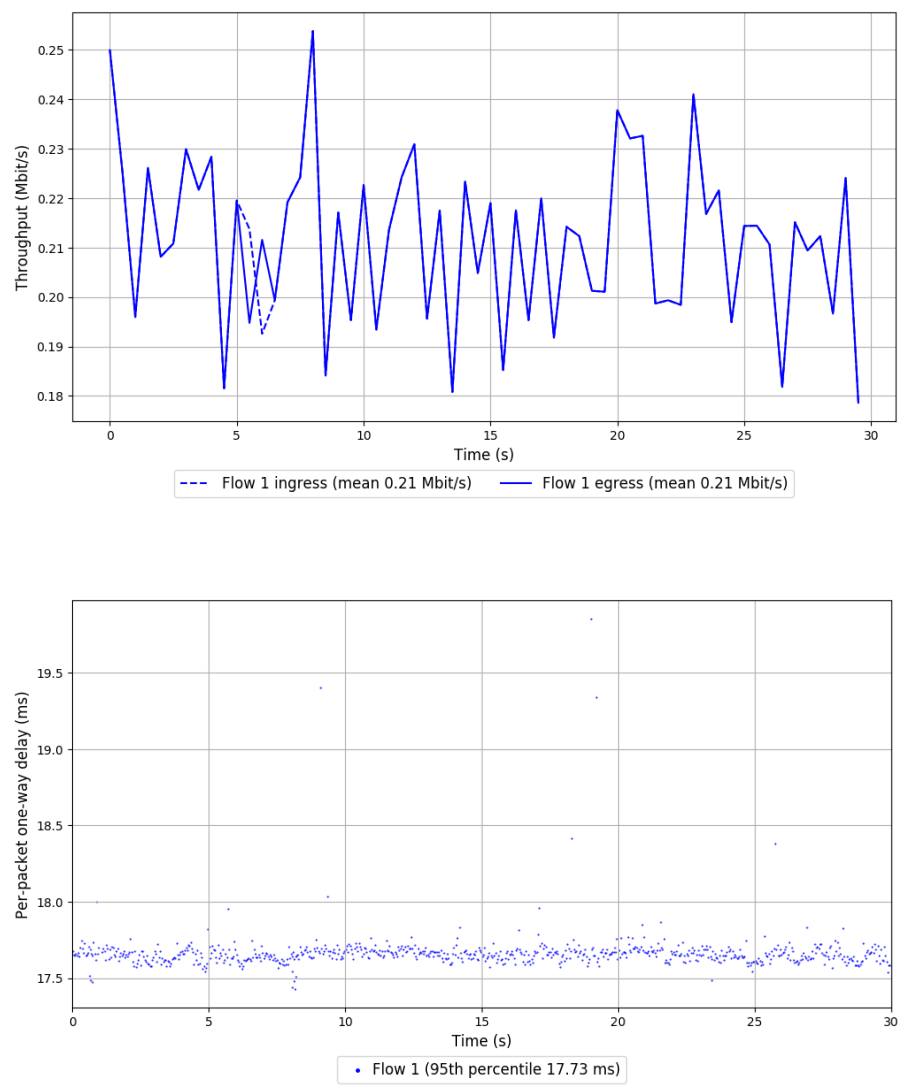
Run 7: Statistics of SCReAM

Start at: 2017-09-03 02:44:52  
End at: 2017-09-03 02:45:22  
Local clock offset: 0.04 ms  
Remote clock offset: -7.436 ms

# Below is generated by plot.py at 2017-09-03 07:29:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 17.734 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 17.734 ms  
Loss rate: 0.00%



Run 7: Report of SReAM — Data Link

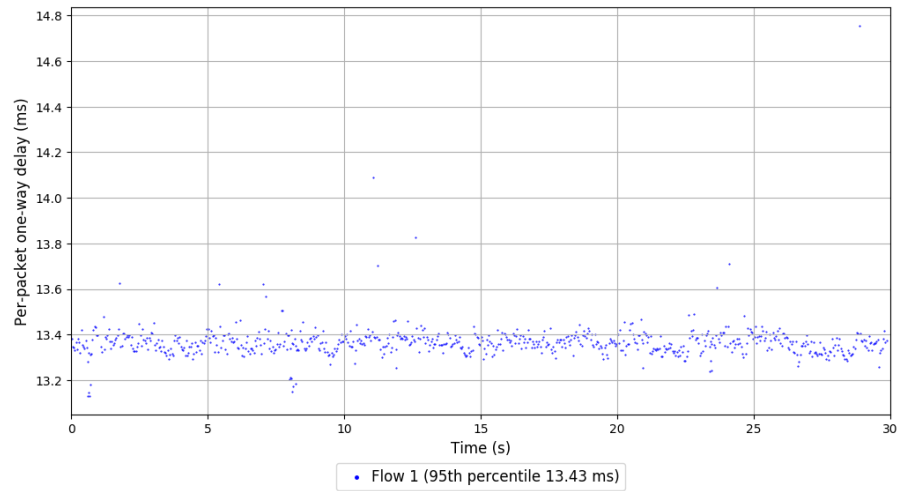
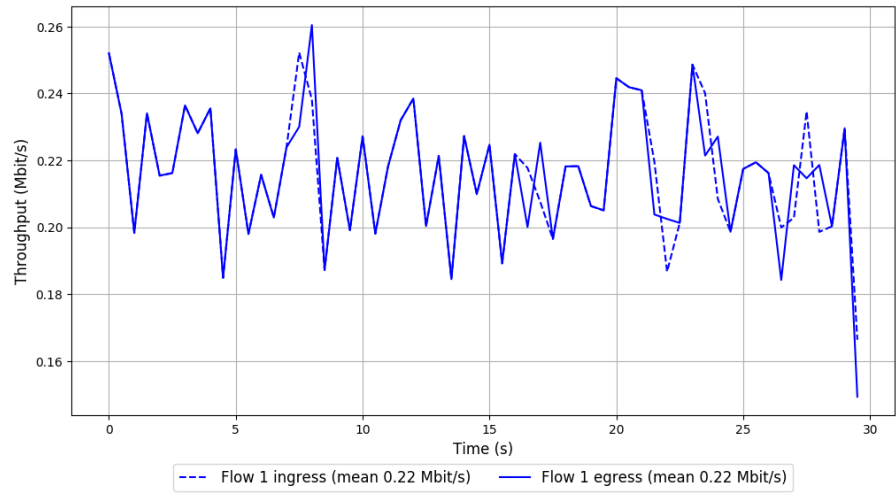


Run 8: Statistics of SCReAM

Start at: 2017-09-03 03:02:49  
End at: 2017-09-03 03:03:19  
Local clock offset: -1.701 ms  
Remote clock offset: -4.888 ms

# Below is generated by plot.py at 2017-09-03 07:29:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 13.434 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 13.434 ms  
Loss rate: 0.13%

## Run 8: Report of SReAM — Data Link

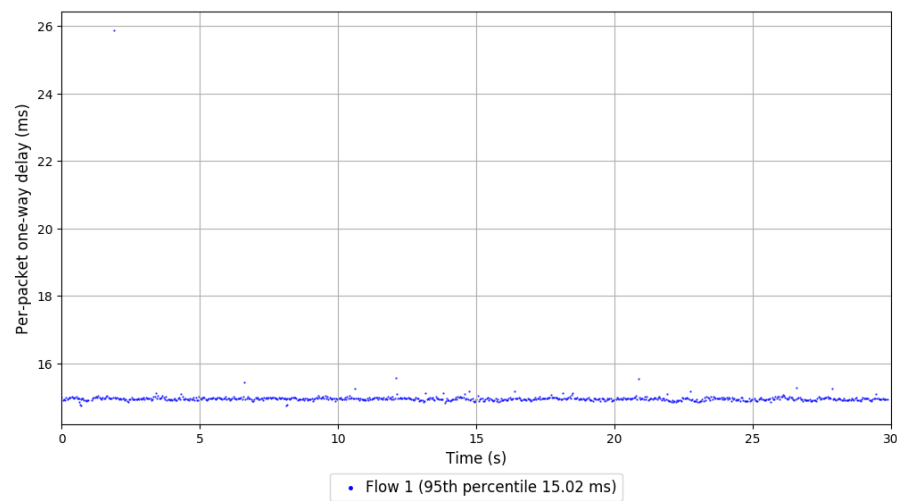
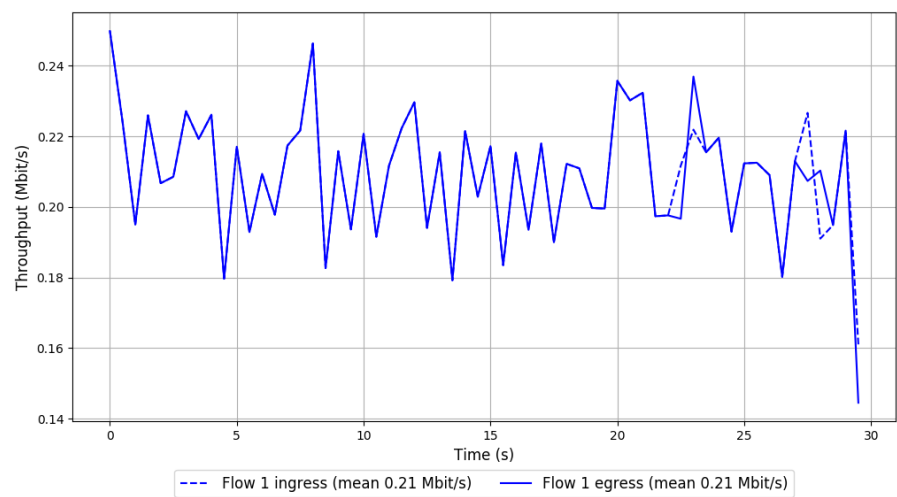


Run 9: Statistics of SCReAM

Start at: 2017-09-03 03:20:43  
End at: 2017-09-03 03:21:13  
Local clock offset: -1.794 ms  
Remote clock offset: -6.559 ms

# Below is generated by plot.py at 2017-09-03 07:29:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 15.022 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 15.022 ms  
Loss rate: 0.13%

Run 9: Report of SReAM — Data Link

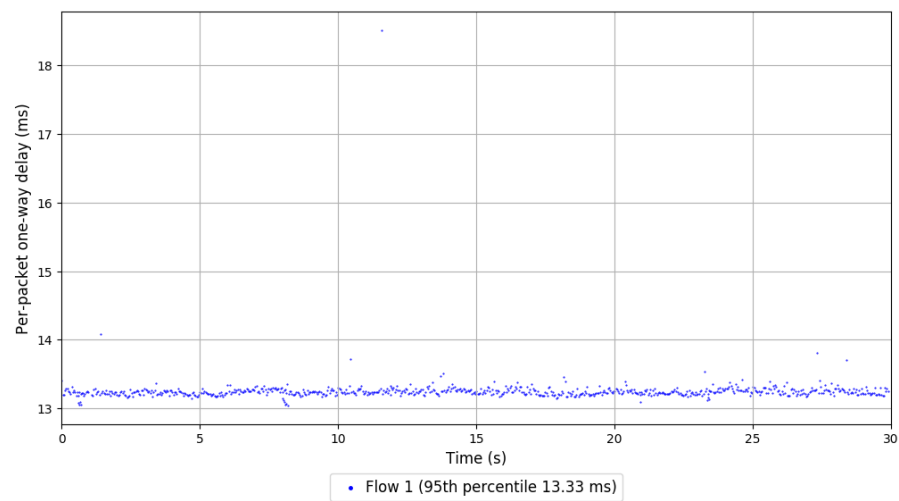
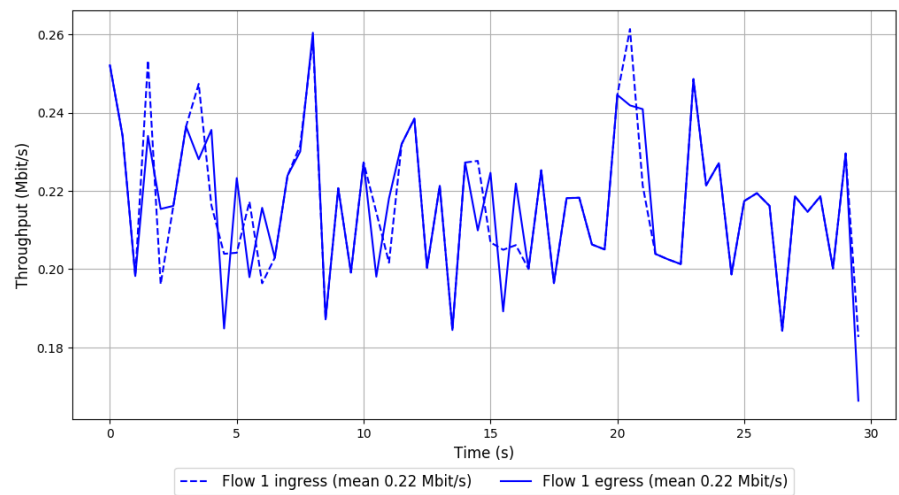


Run 10: Statistics of SReAM

Start at: 2017-09-03 03:38:50  
End at: 2017-09-03 03:39:20  
Local clock offset: -1.375 ms  
Remote clock offset: -4.486 ms

# Below is generated by plot.py at 2017-09-03 07:29:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 13.330 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 13.330 ms  
Loss rate: 0.13%

Run 10: Report of SReAM — Data Link



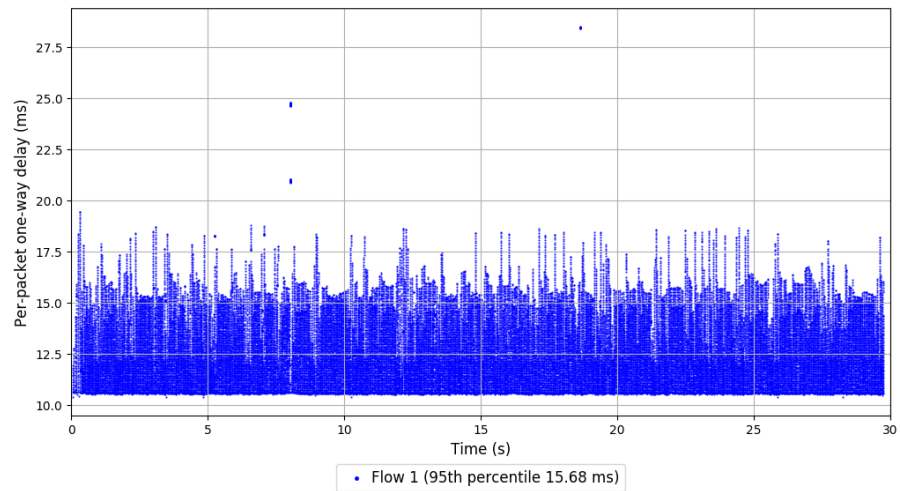
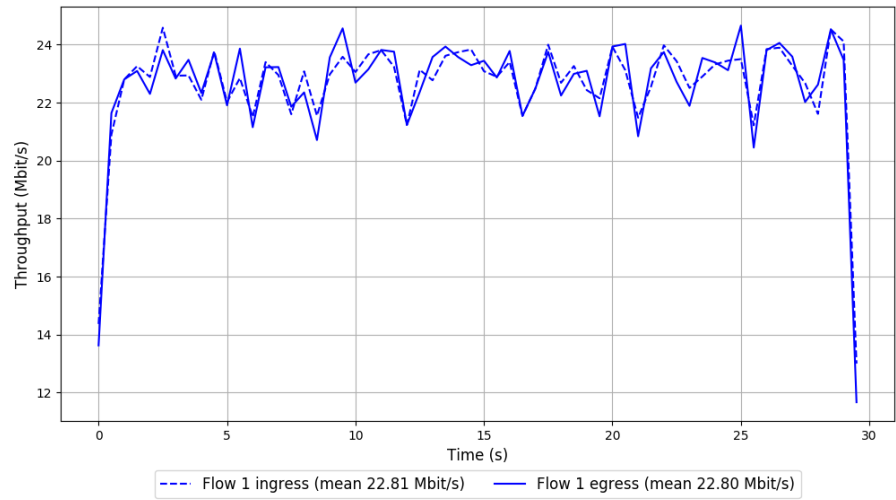
Run 1: Statistics of Sprout

Start at: 2017-09-03 00:53:53  
End at: 2017-09-03 00:54:23  
Local clock offset: -1.348 ms  
Remote clock offset: -1.771 ms

# Below is generated by plot.py at 2017-09-03 07:29:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 22.80 Mbit/s  
95th percentile per-packet one-way delay: 15.683 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 22.80 Mbit/s  
95th percentile per-packet one-way delay: 15.683 ms  
Loss rate: 0.14%



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

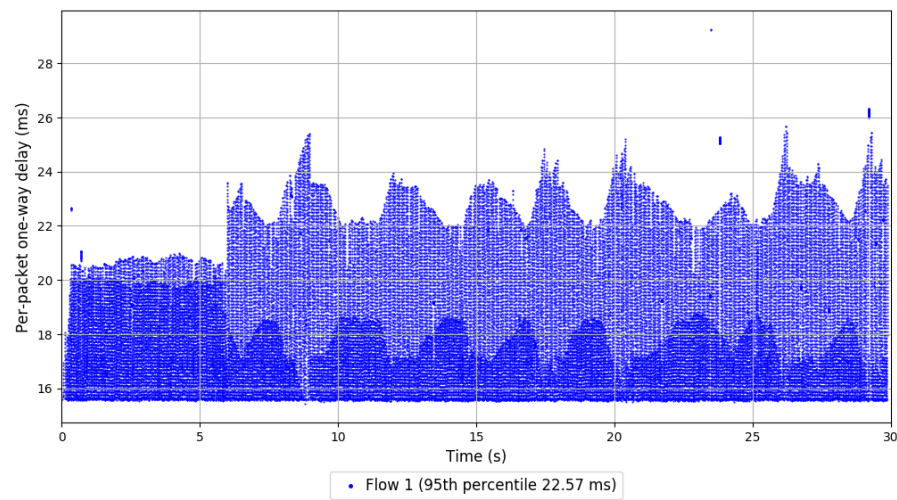
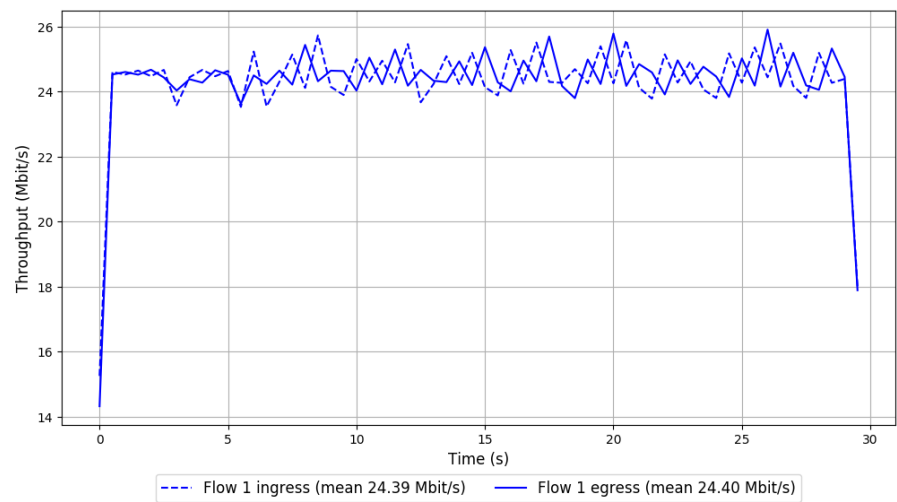


Run 2: Statistics of Sprout

Start at: 2017-09-03 01:11:16  
End at: 2017-09-03 01:11:46  
Local clock offset: 0.999 ms  
Remote clock offset: -4.605 ms

# Below is generated by plot.py at 2017-09-03 07:29:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.40 Mbit/s  
95th percentile per-packet one-way delay: 22.565 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 24.40 Mbit/s  
95th percentile per-packet one-way delay: 22.565 ms  
Loss rate: 0.02%

Run 2: Report of Sprout — Data Link

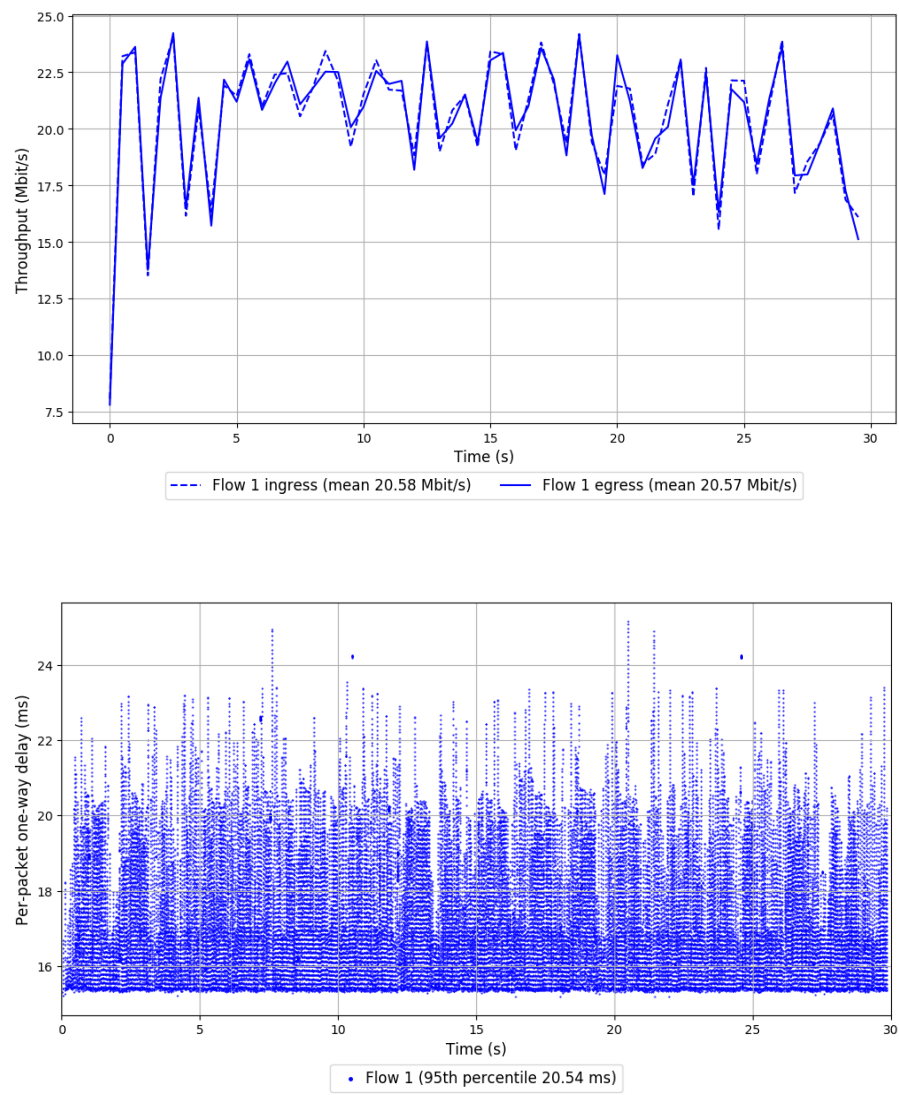


Run 3: Statistics of Sprout

Start at: 2017-09-03 01:28:58  
End at: 2017-09-03 01:29:28  
Local clock offset: -2.329 ms  
Remote clock offset: -7.844 ms

# Below is generated by plot.py at 2017-09-03 07:29:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 20.57 Mbit/s  
95th percentile per-packet one-way delay: 20.538 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 20.57 Mbit/s  
95th percentile per-packet one-way delay: 20.538 ms  
Loss rate: 0.10%

Run 3: Report of Sprout — Data Link

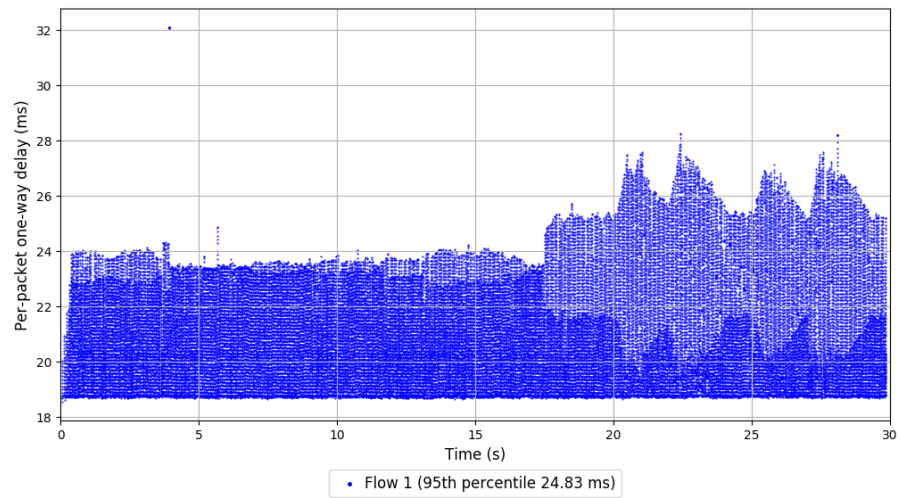
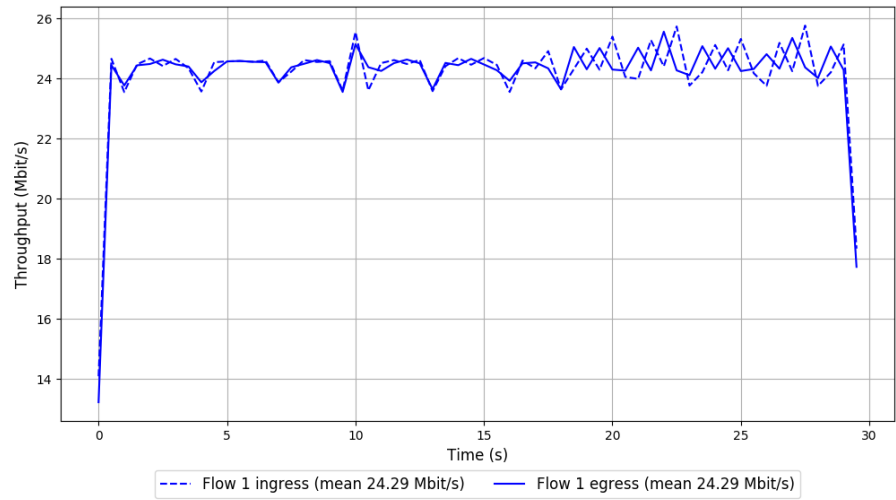


Run 4: Statistics of Sprout

Start at: 2017-09-03 01:46:38  
End at: 2017-09-03 01:47:08  
Local clock offset: 1.013 ms  
Remote clock offset: -7.755 ms

# Below is generated by plot.py at 2017-09-03 07:29:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.29 Mbit/s  
95th percentile per-packet one-way delay: 24.832 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 24.29 Mbit/s  
95th percentile per-packet one-way delay: 24.832 ms  
Loss rate: 0.14%

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



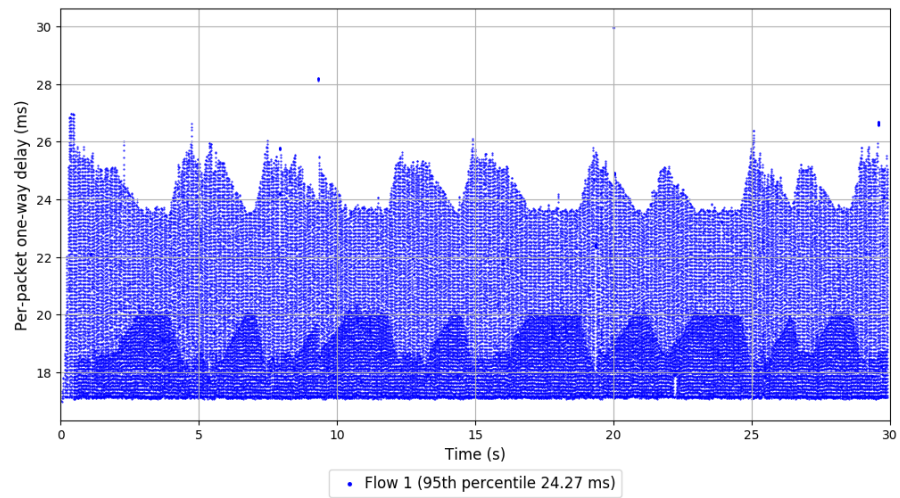
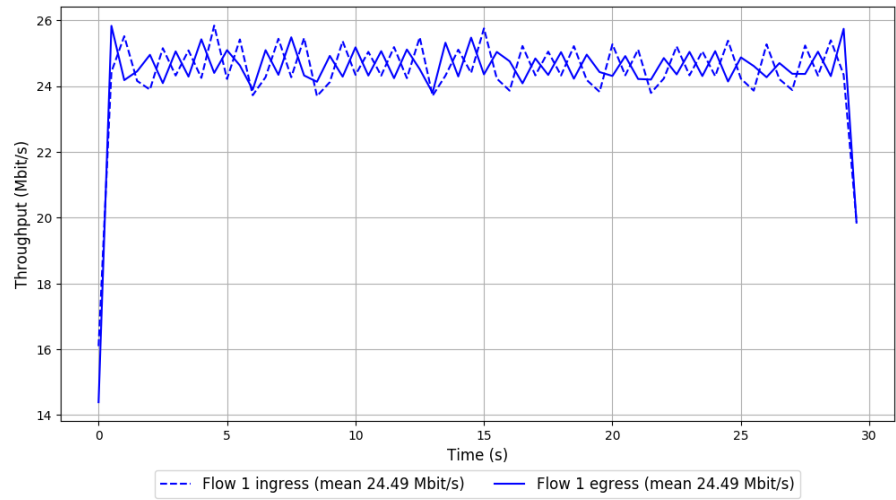
Run 5: Statistics of Sprout

Start at: 2017-09-03 02:04:30  
End at: 2017-09-03 02:05:00  
Local clock offset: -0.236 ms  
Remote clock offset: -7.339 ms

# Below is generated by plot.py at 2017-09-03 07:29:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.49 Mbit/s  
95th percentile per-packet one-way delay: 24.275 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 24.49 Mbit/s  
95th percentile per-packet one-way delay: 24.275 ms  
Loss rate: 0.02%



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



Run 6: Statistics of Sprout

Start at: 2017-09-03 02:22:23

End at: 2017-09-03 02:22:53

Local clock offset: -1.84 ms

Remote clock offset: -7.256 ms

# Below is generated by plot.py at 2017-09-03 07:29:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 24.38 Mbit/s

95th percentile per-packet one-way delay: 22.685 ms

Loss rate: 0.04%

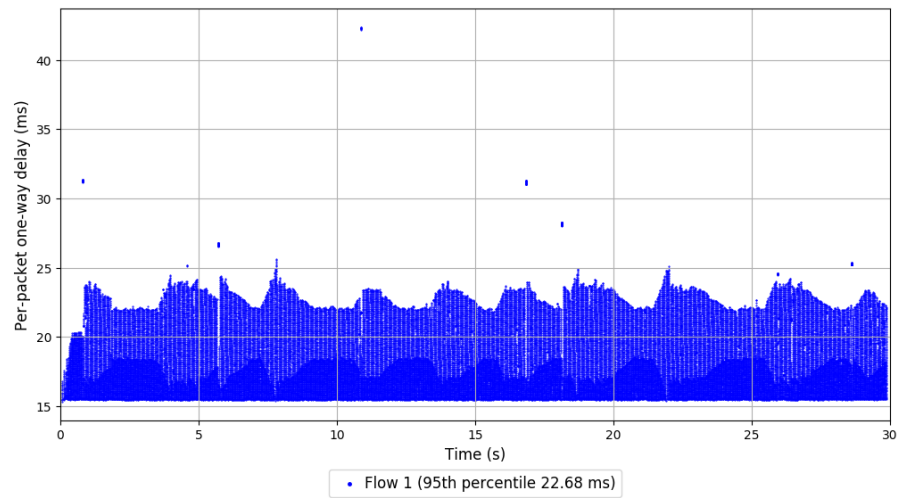
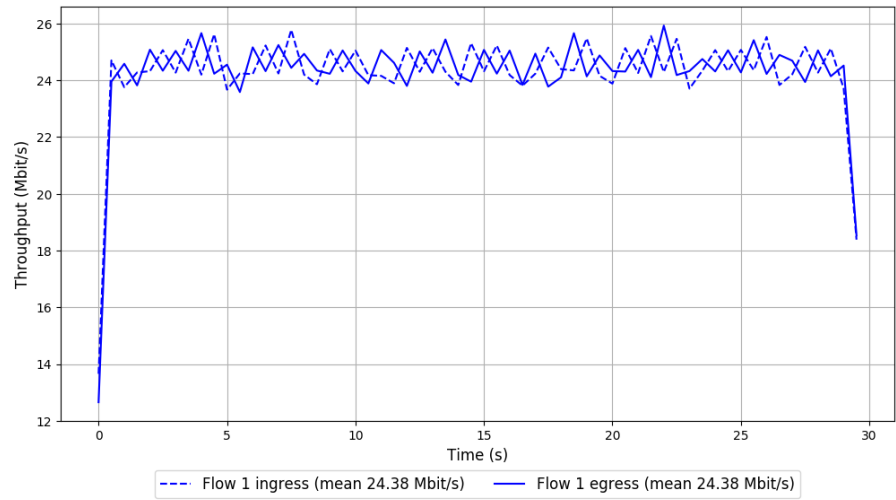
-- Flow 1:

Average throughput: 24.38 Mbit/s

95th percentile per-packet one-way delay: 22.685 ms

Loss rate: 0.04%

## Run 6: Report of Sprout — Data Link

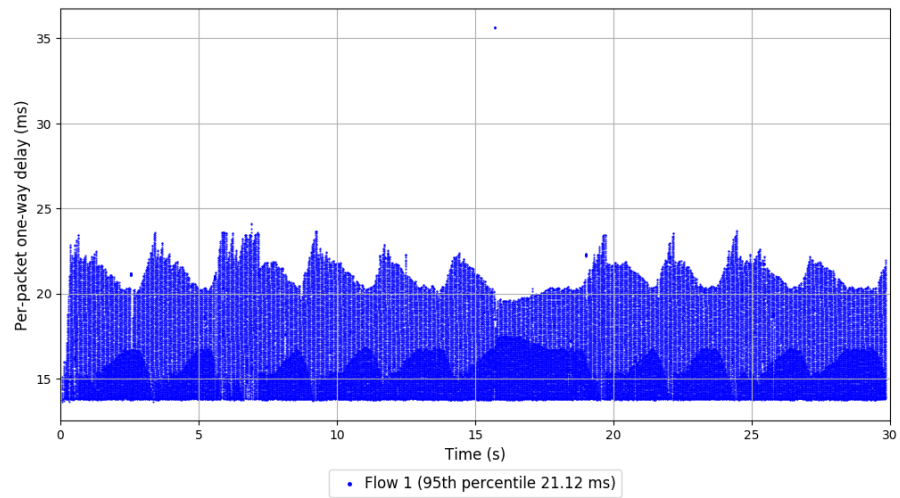
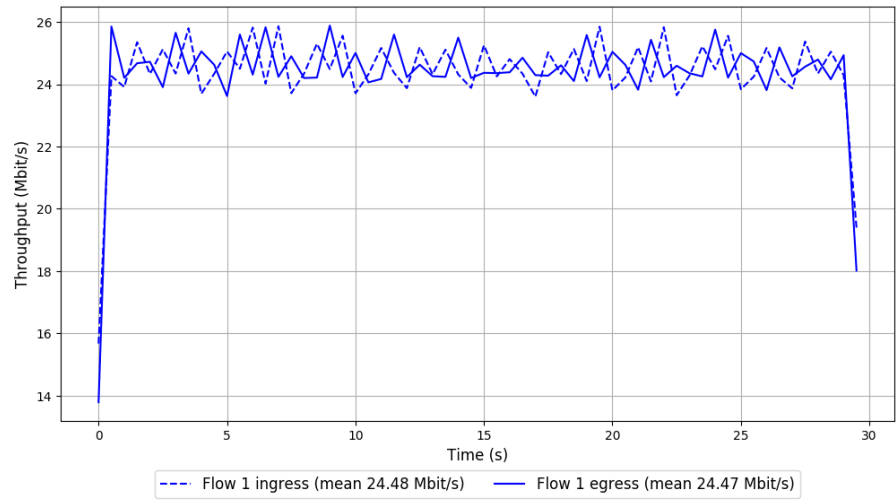


Run 7: Statistics of Sprout

Start at: 2017-09-03 02:40:04  
End at: 2017-09-03 02:40:35  
Local clock offset: -2.729 ms  
Remote clock offset: -6.321 ms

# Below is generated by plot.py at 2017-09-03 07:30:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.47 Mbit/s  
95th percentile per-packet one-way delay: 21.117 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 24.47 Mbit/s  
95th percentile per-packet one-way delay: 21.117 ms  
Loss rate: 0.13%

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

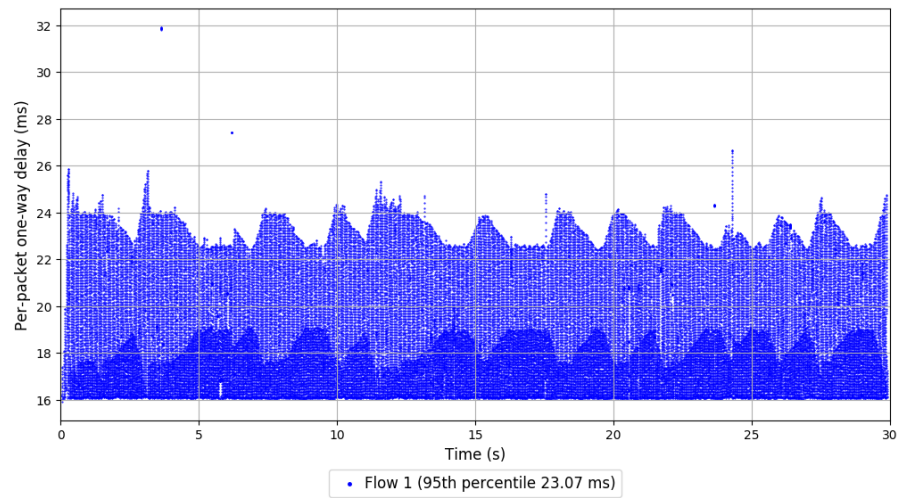
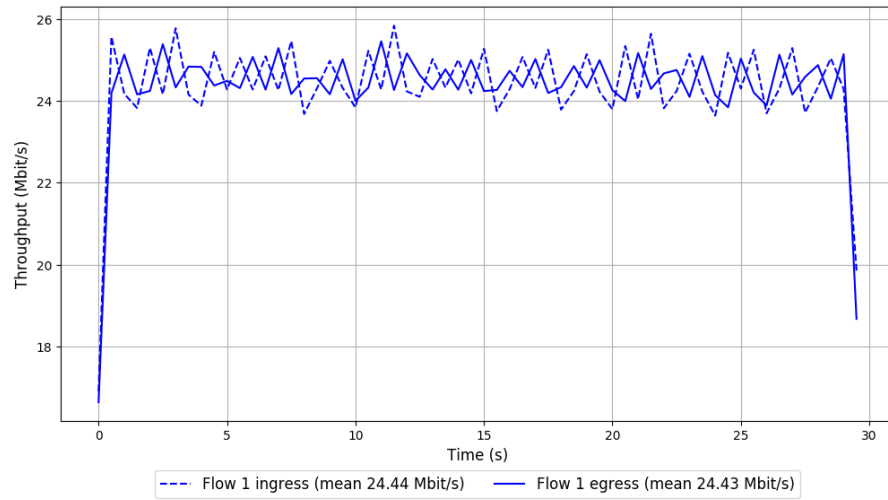


Run 8: Statistics of Sprout

Start at: 2017-09-03 02:58:09  
End at: 2017-09-03 02:58:39  
Local clock offset: 0.91 ms  
Remote clock offset: -4.969 ms

# Below is generated by plot.py at 2017-09-03 07:30:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.43 Mbit/s  
95th percentile per-packet one-way delay: 23.066 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 24.43 Mbit/s  
95th percentile per-packet one-way delay: 23.066 ms  
Loss rate: 0.12%

# Run 8: Report of Sprout — Data Link



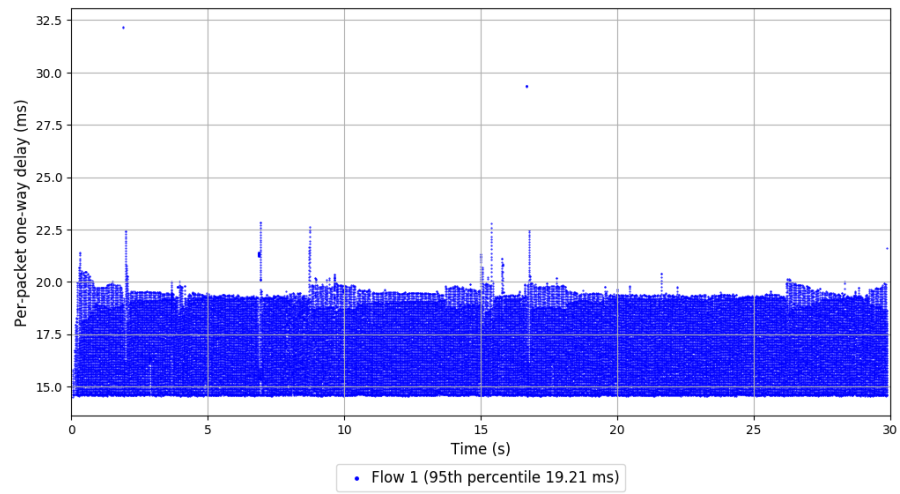
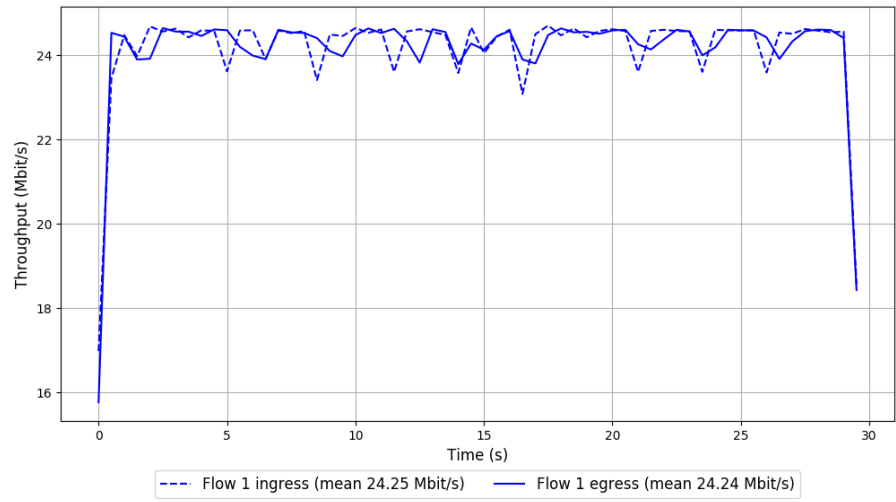
Run 9: Statistics of Sprout

Start at: 2017-09-03 03:15:53  
End at: 2017-09-03 03:16:23  
Local clock offset: -1.752 ms  
Remote clock offset: -6.177 ms

# Below is generated by plot.py at 2017-09-03 07:30:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.24 Mbit/s  
95th percentile per-packet one-way delay: 19.213 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 24.24 Mbit/s  
95th percentile per-packet one-way delay: 19.213 ms  
Loss rate: 0.08%



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



Run 10: Statistics of Sprout

Start at: 2017-09-03 03:33:58

End at: 2017-09-03 03:34:28

Local clock offset: 0.921 ms

Remote clock offset: -5.603 ms

# Below is generated by plot.py at 2017-09-03 07:30:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 24.19 Mbit/s

95th percentile per-packet one-way delay: 21.379 ms

Loss rate: 0.13%

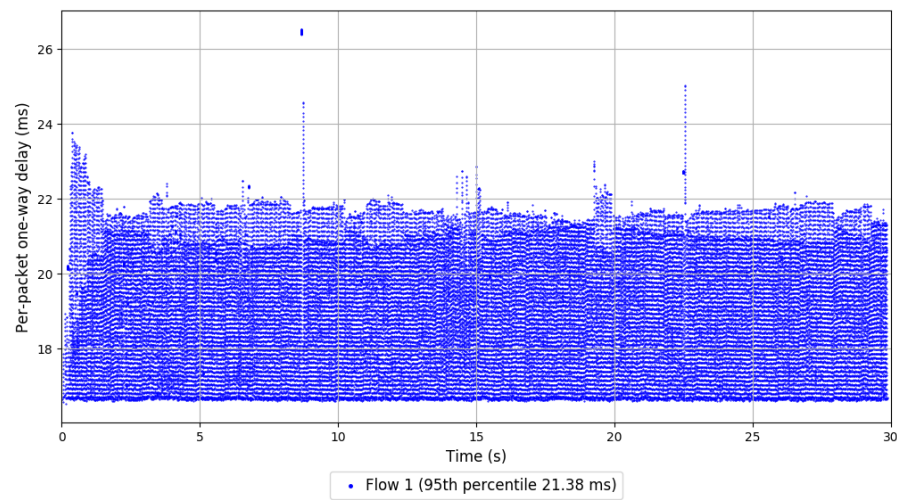
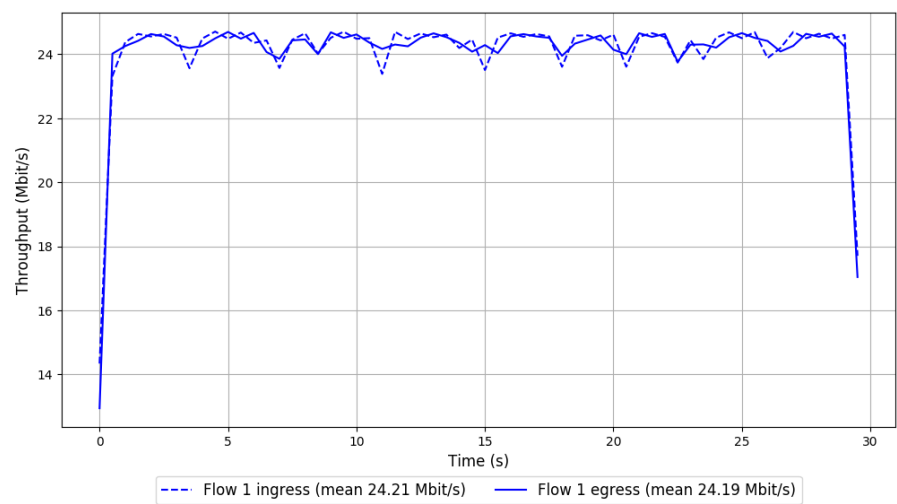
-- Flow 1:

Average throughput: 24.19 Mbit/s

95th percentile per-packet one-way delay: 21.379 ms

Loss rate: 0.13%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2017-09-03 01:08:53

End at: 2017-09-03 01:09:23

Local clock offset: -0.75 ms

Remote clock offset: -0.689 ms

# Below is generated by plot.py at 2017-09-03 07:30:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.14 Mbit/s

95th percentile per-packet one-way delay: 16.238 ms

Loss rate: 0.14%

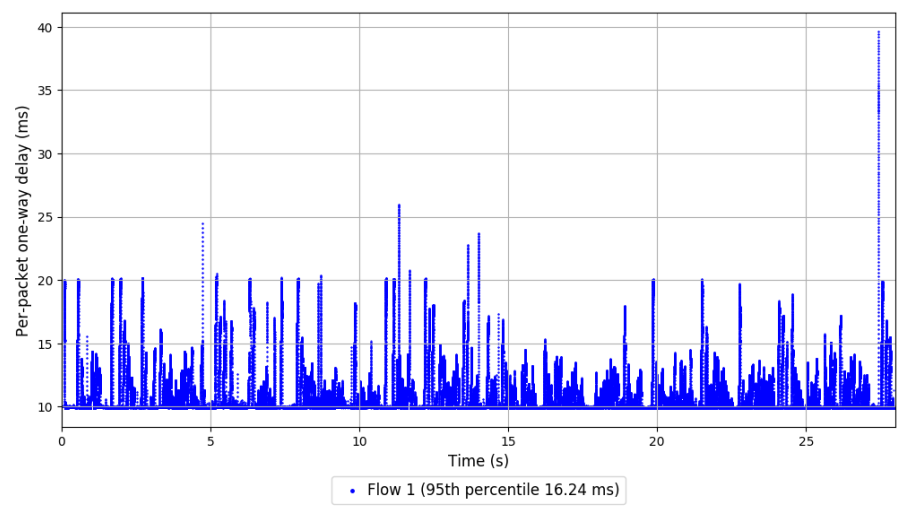
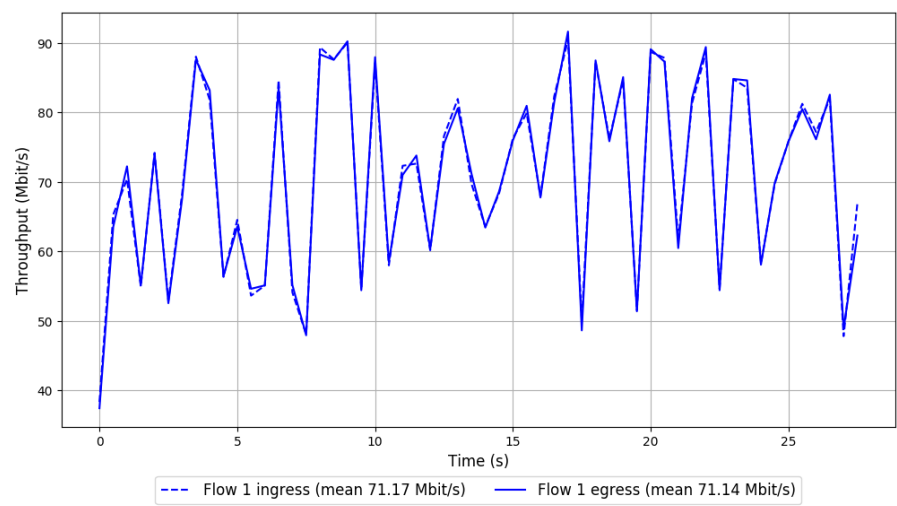
-- Flow 1:

Average throughput: 71.14 Mbit/s

95th percentile per-packet one-way delay: 16.238 ms

Loss rate: 0.14%

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



Run 2: Statistics of TaoVA-100x

Start at: 2017-09-03 01:26:30

End at: 2017-09-03 01:27:00

Local clock offset: 0.509 ms

Remote clock offset: -7.968 ms

# Below is generated by plot.py at 2017-09-03 07:30:26

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.04 Mbit/s

95th percentile per-packet one-way delay: 20.466 ms

Loss rate: 0.10%

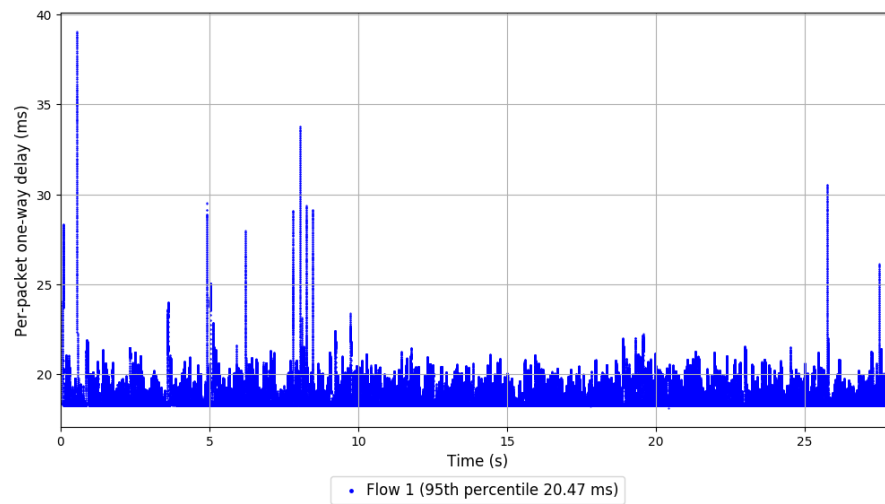
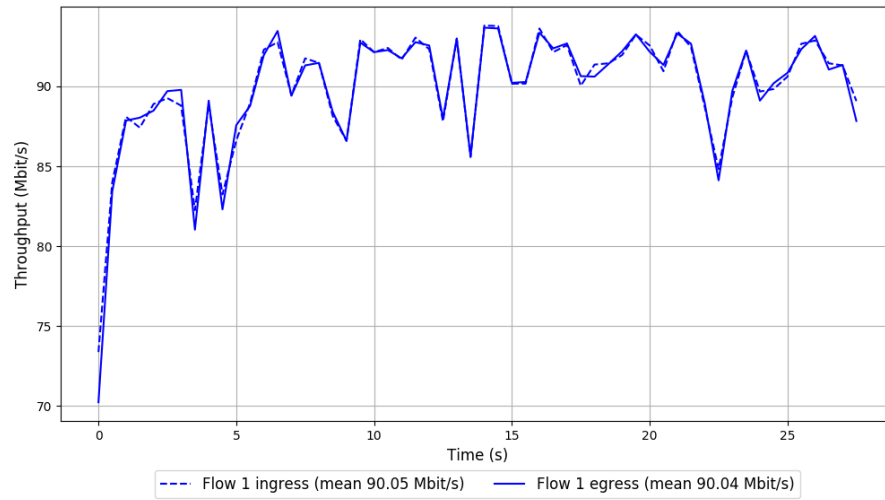
-- Flow 1:

Average throughput: 90.04 Mbit/s

95th percentile per-packet one-way delay: 20.466 ms

Loss rate: 0.10%

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



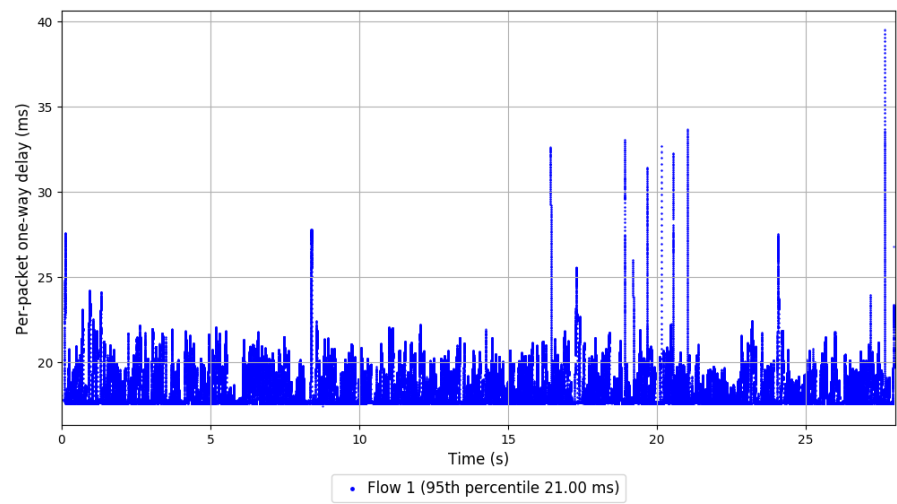
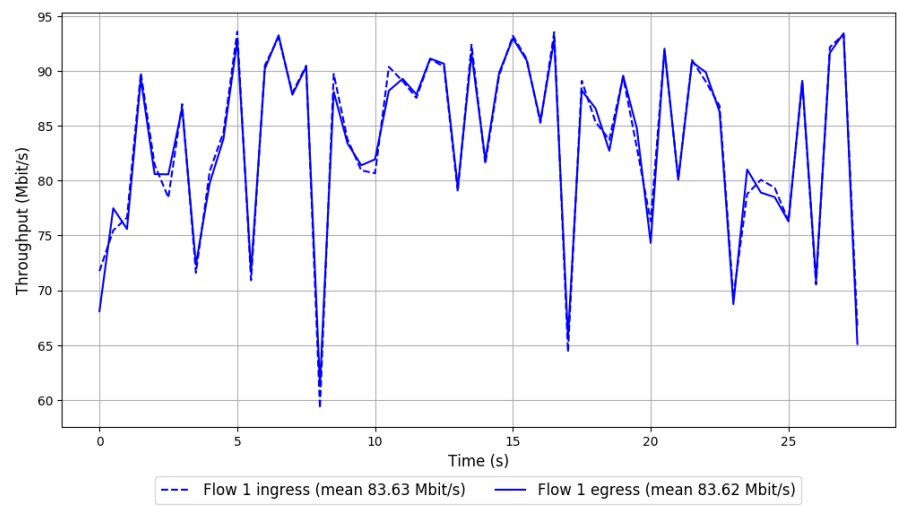
Run 3: Statistics of TaoVA-100x

Start at: 2017-09-03 01:44:17  
End at: 2017-09-03 01:44:47  
Local clock offset: -0.927 ms  
Remote clock offset: -8.669 ms

# Below is generated by plot.py at 2017-09-03 07:30:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.62 Mbit/s  
95th percentile per-packet one-way delay: 21.004 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 83.62 Mbit/s  
95th percentile per-packet one-way delay: 21.004 ms  
Loss rate: 0.11%



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



Run 4: Statistics of TaoVA-100x

Start at: 2017-09-03 02:01:58

End at: 2017-09-03 02:02:28

Local clock offset: -2.121 ms

Remote clock offset: -5.763 ms

# Below is generated by plot.py at 2017-09-03 07:30:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.61 Mbit/s

95th percentile per-packet one-way delay: 18.831 ms

Loss rate: 0.11%

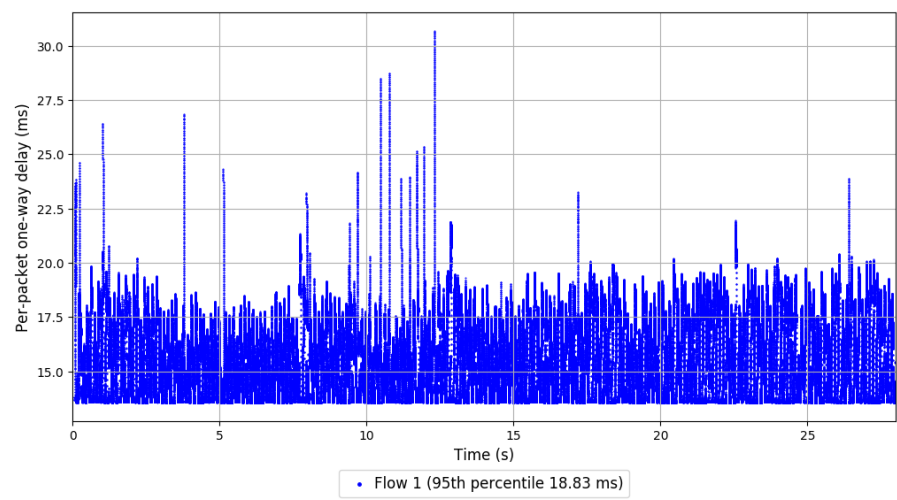
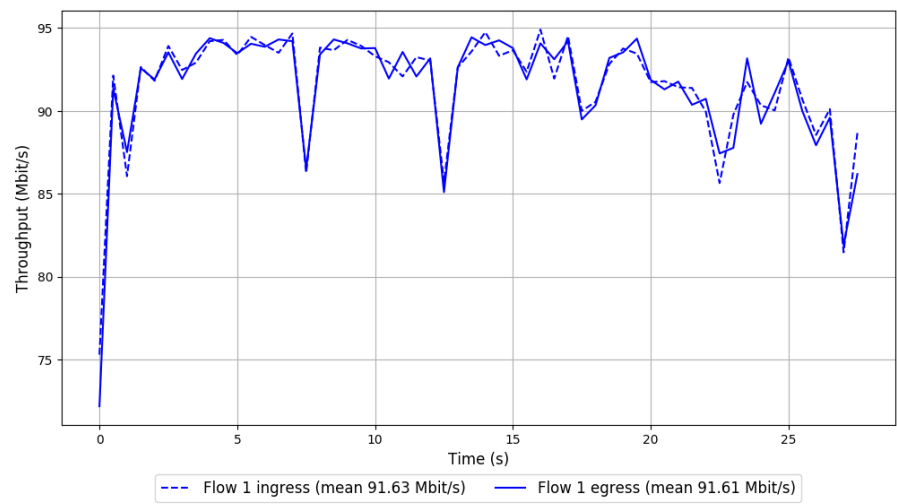
-- Flow 1:

Average throughput: 91.61 Mbit/s

95th percentile per-packet one-way delay: 18.831 ms

Loss rate: 0.11%

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



Run 5: Statistics of TaoVA-100x

Start at: 2017-09-03 02:19:52

End at: 2017-09-03 02:20:22

Local clock offset: 1.116 ms

Remote clock offset: -5.525 ms

# Below is generated by plot.py at 2017-09-03 07:31:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.69 Mbit/s

95th percentile per-packet one-way delay: 17.668 ms

Loss rate: 0.10%

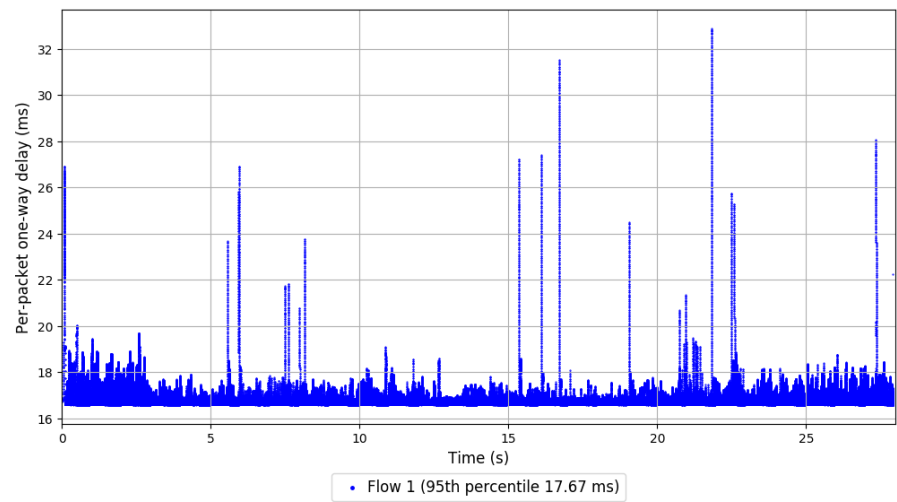
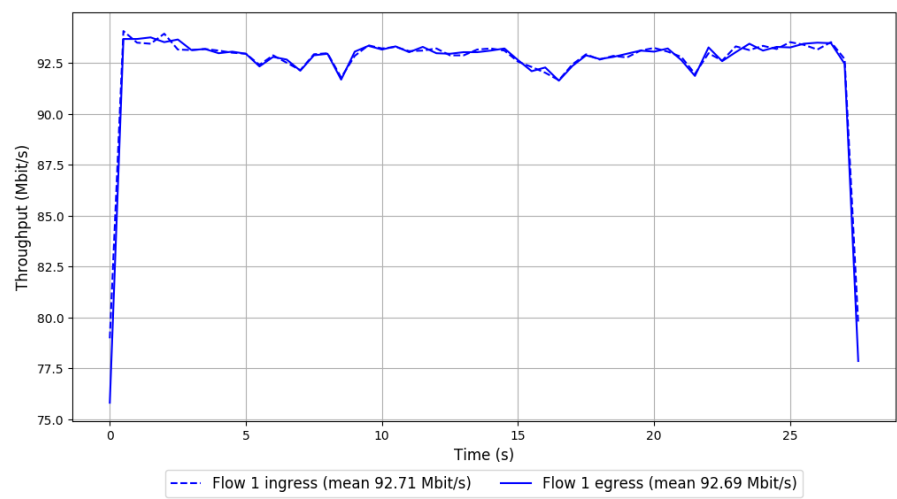
-- Flow 1:

Average throughput: 92.69 Mbit/s

95th percentile per-packet one-way delay: 17.668 ms

Loss rate: 0.10%

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

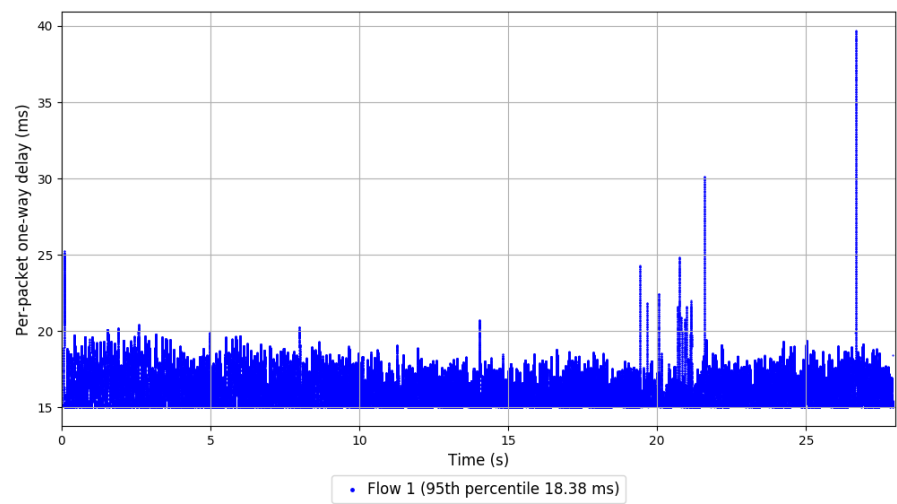
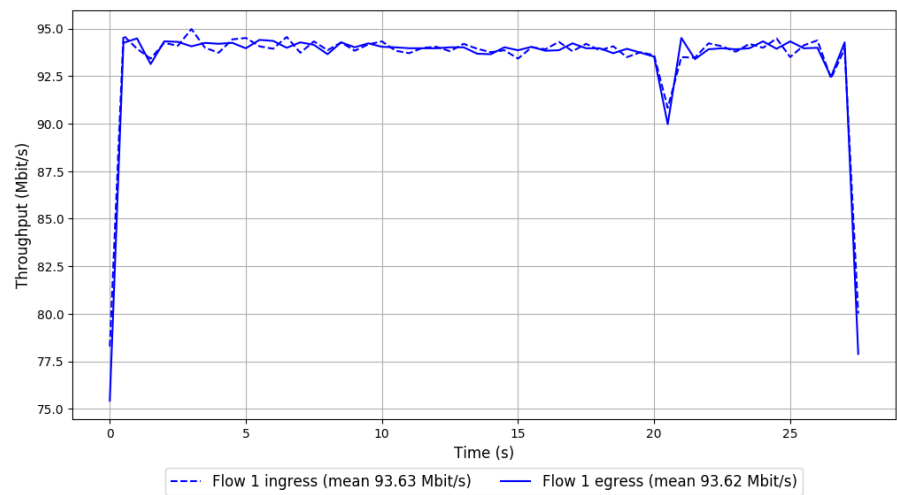


Run 6: Statistics of TaoVA-100x

Start at: 2017-09-03 02:37:39  
End at: 2017-09-03 02:38:09  
Local clock offset: -1.718 ms  
Remote clock offset: -6.709 ms

# Below is generated by plot.py at 2017-09-03 07:31:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.62 Mbit/s  
95th percentile per-packet one-way delay: 18.384 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 93.62 Mbit/s  
95th percentile per-packet one-way delay: 18.384 ms  
Loss rate: 0.10%

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



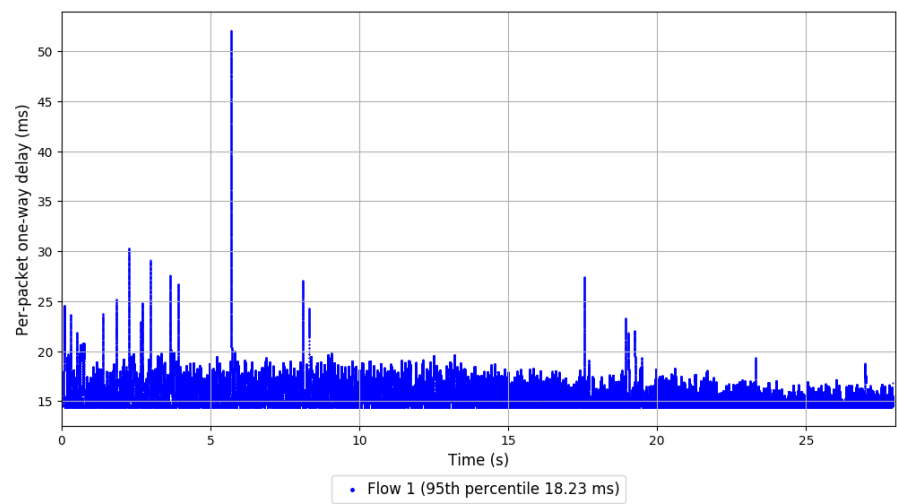
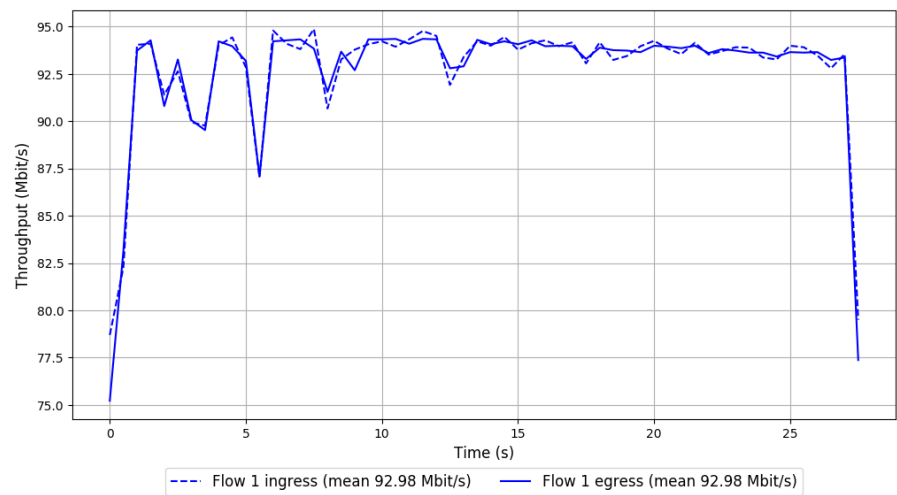
Run 7: Statistics of TaoVA-100x

Start at: 2017-09-03 02:55:40  
End at: 2017-09-03 02:56:10  
Local clock offset: -1.077 ms  
Remote clock offset: -5.345 ms

# Below is generated by plot.py at 2017-09-03 07:31:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.98 Mbit/s  
95th percentile per-packet one-way delay: 18.229 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 92.98 Mbit/s  
95th percentile per-packet one-way delay: 18.229 ms  
Loss rate: 0.09%



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



Run 8: Statistics of TaoVA-100x

Start at: 2017-09-03 03:13:26

End at: 2017-09-03 03:13:56

Local clock offset: -2.975 ms

Remote clock offset: -5.674 ms

# Below is generated by plot.py at 2017-09-03 07:31:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.90 Mbit/s

95th percentile per-packet one-way delay: 14.278 ms

Loss rate: 0.12%

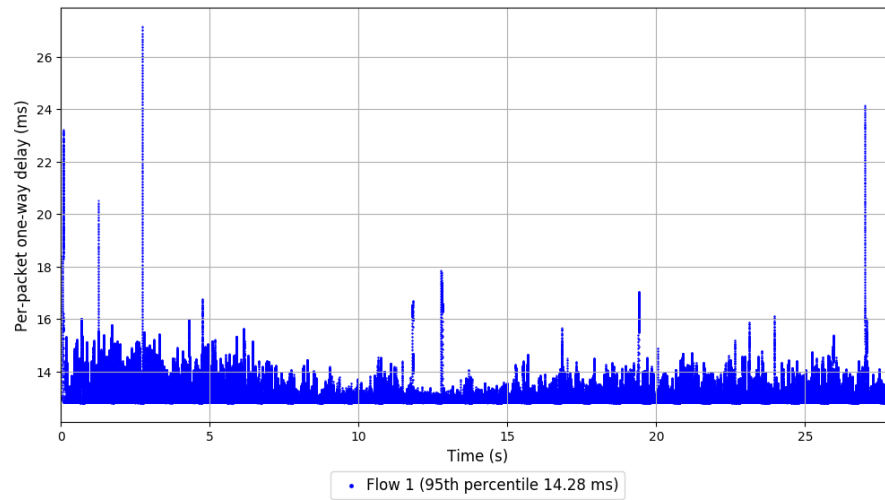
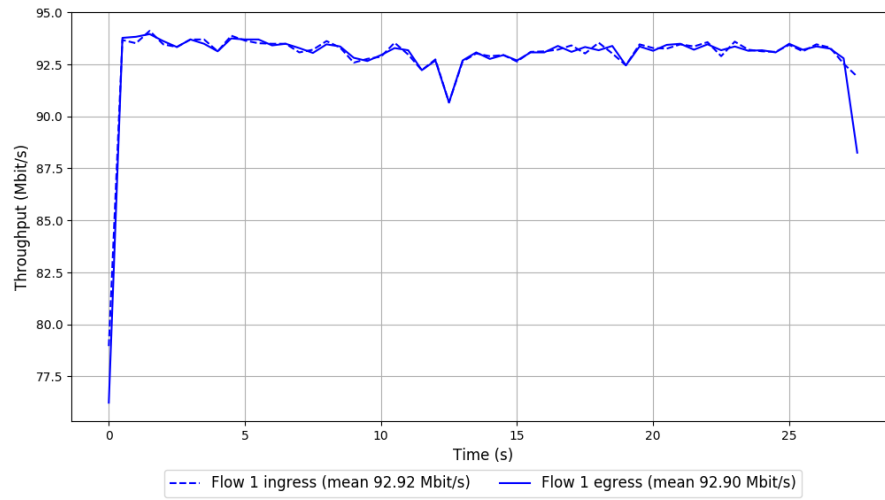
-- Flow 1:

Average throughput: 92.90 Mbit/s

95th percentile per-packet one-way delay: 14.278 ms

Loss rate: 0.12%

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

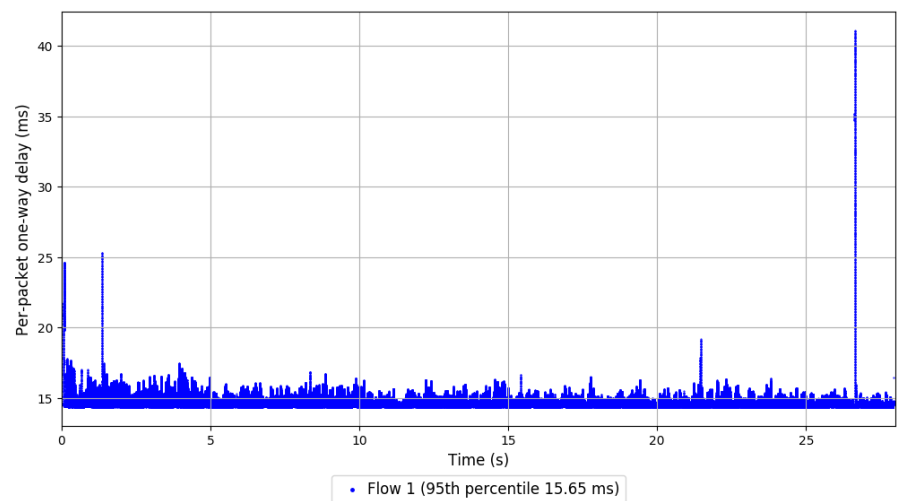
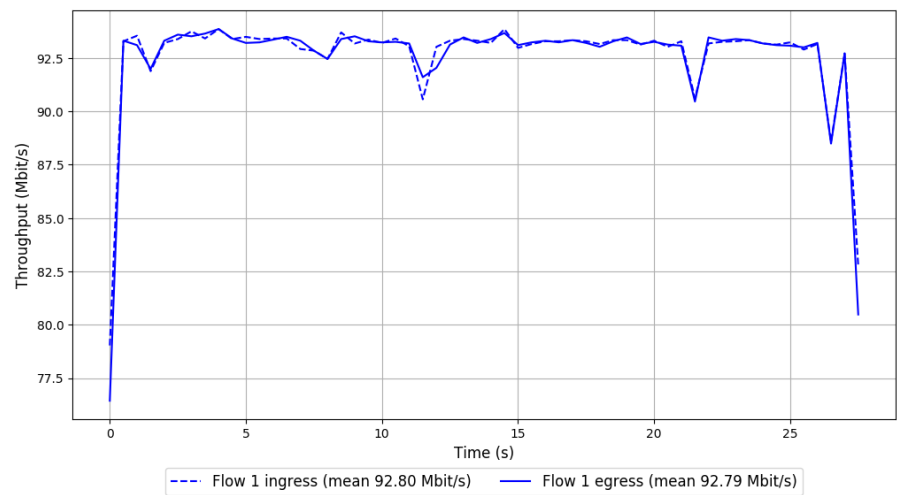


Run 9: Statistics of TaoVA-100x

Start at: 2017-09-03 03:31:27  
End at: 2017-09-03 03:31:57  
Local clock offset: -1.202 ms  
Remote clock offset: -5.473 ms

# Below is generated by plot.py at 2017-09-03 07:31:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.79 Mbit/s  
95th percentile per-packet one-way delay: 15.647 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 92.79 Mbit/s  
95th percentile per-packet one-way delay: 15.647 ms  
Loss rate: 0.10%

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



Run 10: Statistics of TaoVA-100x

Start at: 2017-09-03 03:49:24

End at: 2017-09-03 03:49:54

Local clock offset: 0.745 ms

Remote clock offset: -6.741 ms

# Below is generated by plot.py at 2017-09-03 07:31:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.41 Mbit/s

95th percentile per-packet one-way delay: 18.095 ms

Loss rate: 0.10%

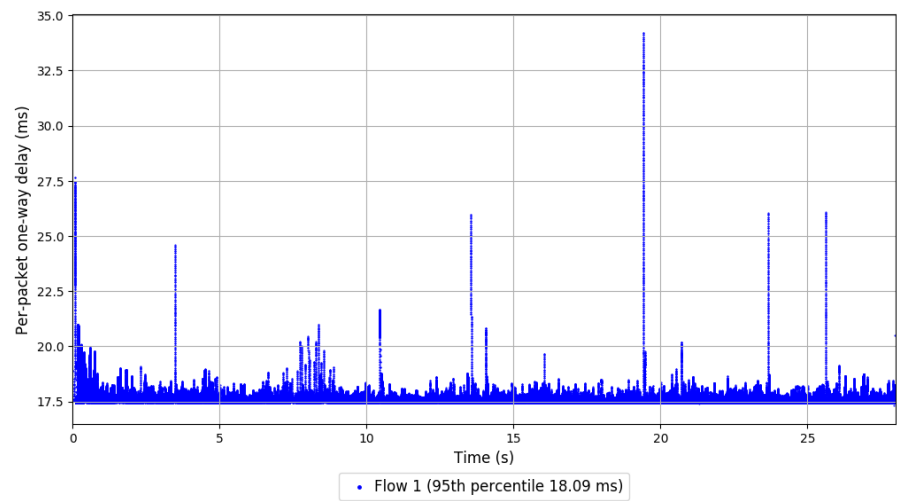
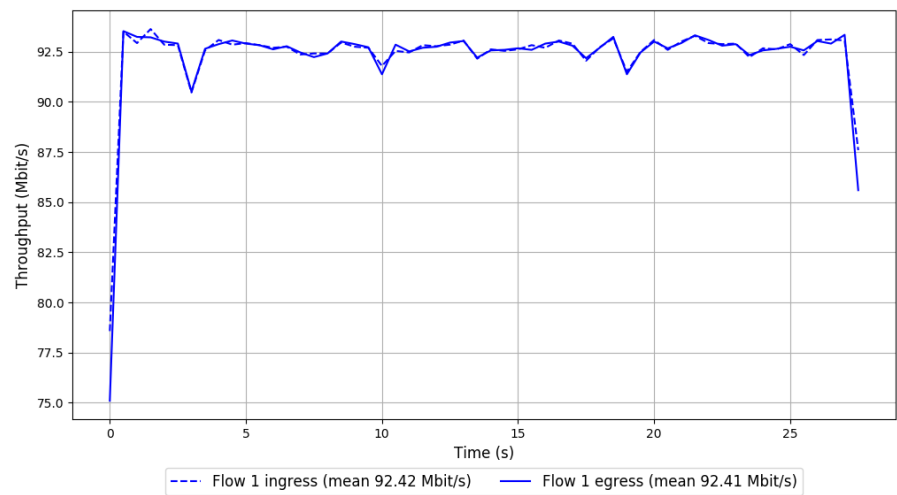
-- Flow 1:

Average throughput: 92.41 Mbit/s

95th percentile per-packet one-way delay: 18.095 ms

Loss rate: 0.10%

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



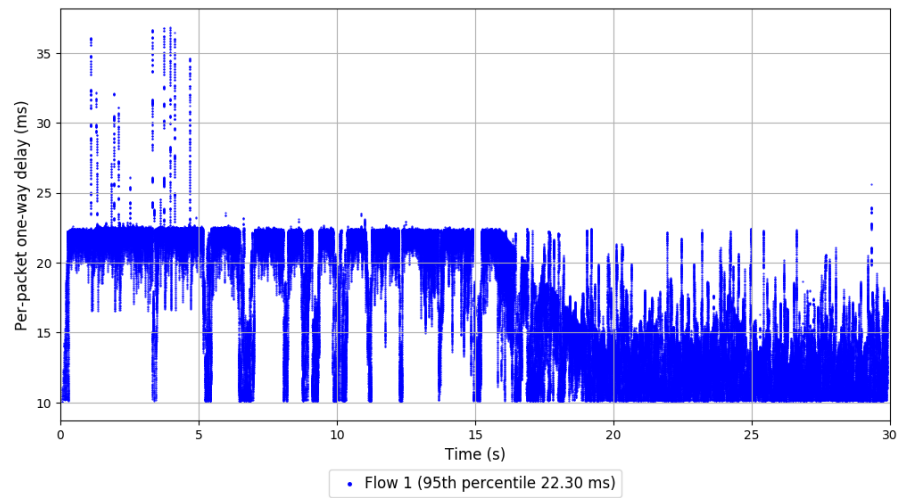
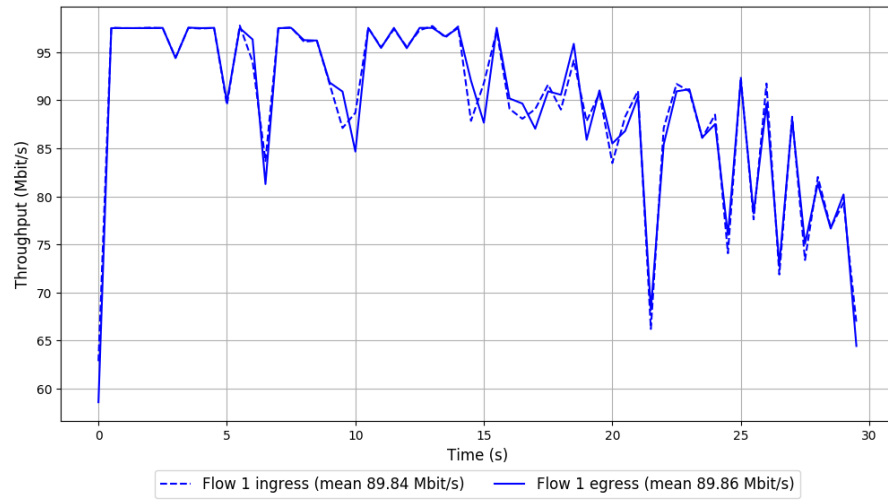
Run 1: Statistics of TCP Vegas

Start at: 2017-09-03 01:05:33  
End at: 2017-09-03 01:06:03  
Local clock offset: -0.813 ms  
Remote clock offset: -0.934 ms

# Below is generated by plot.py at 2017-09-03 07:31:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.86 Mbit/s  
95th percentile per-packet one-way delay: 22.302 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 89.86 Mbit/s  
95th percentile per-packet one-way delay: 22.302 ms  
Loss rate: 0.06%



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

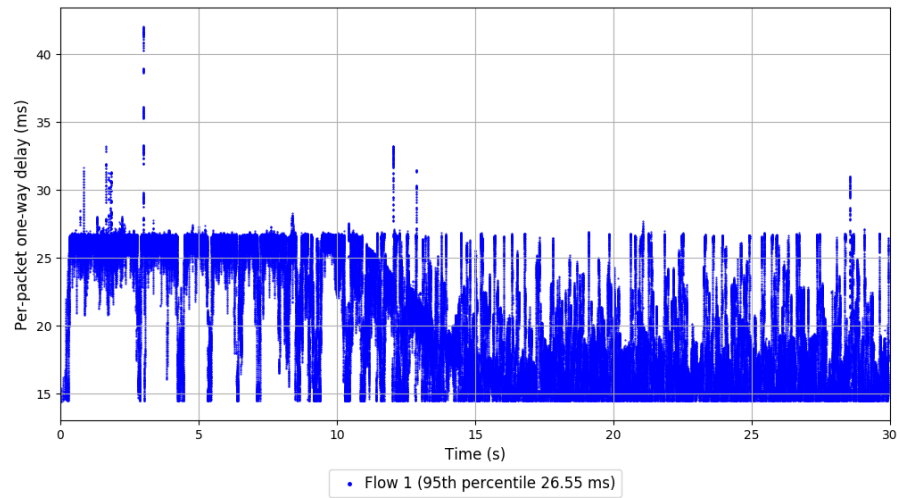
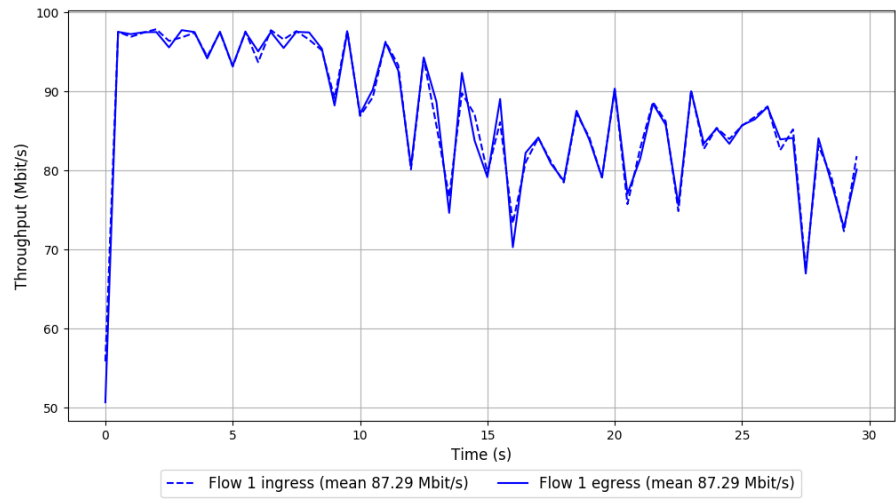


Run 2: Statistics of TCP Vegas

Start at: 2017-09-03 01:22:59  
End at: 2017-09-03 01:23:29  
Local clock offset: 0.694 ms  
Remote clock offset: -3.909 ms

# Below is generated by plot.py at 2017-09-03 07:32:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.29 Mbit/s  
95th percentile per-packet one-way delay: 26.551 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 87.29 Mbit/s  
95th percentile per-packet one-way delay: 26.551 ms  
Loss rate: 0.09%

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

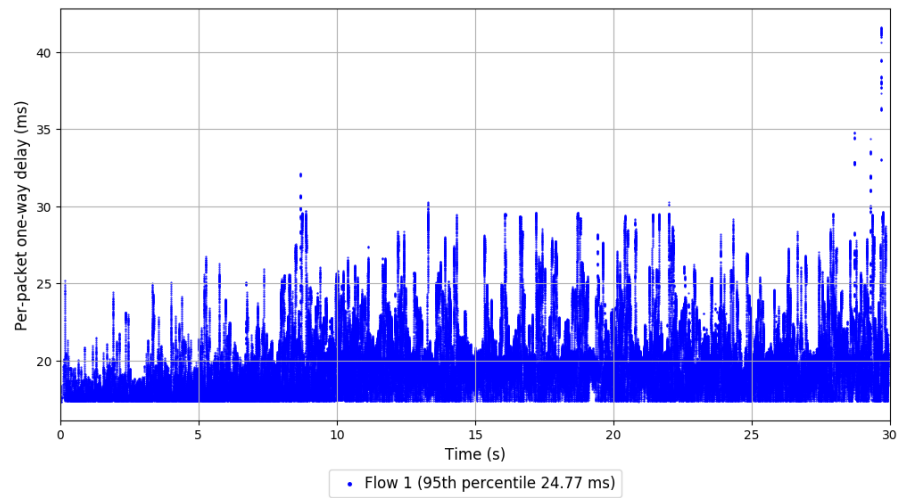
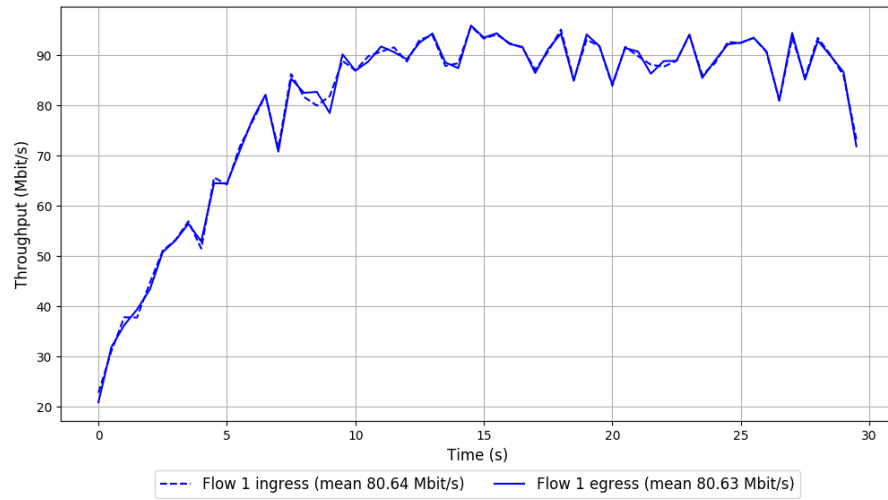


Run 3: Statistics of TCP Vegas

Start at: 2017-09-03 01:40:51  
End at: 2017-09-03 01:41:21  
Local clock offset: 0.565 ms  
Remote clock offset: -6.908 ms

# Below is generated by plot.py at 2017-09-03 07:32:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.63 Mbit/s  
95th percentile per-packet one-way delay: 24.768 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 80.63 Mbit/s  
95th percentile per-packet one-way delay: 24.768 ms  
Loss rate: 0.10%

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

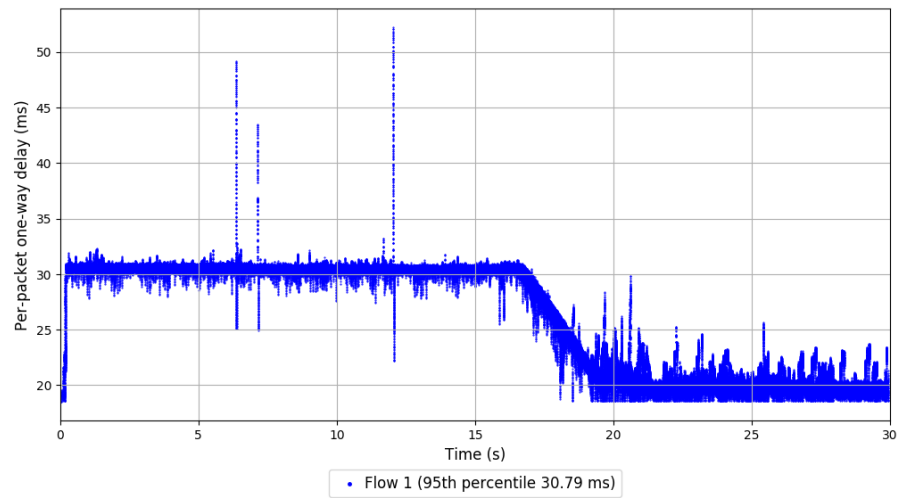
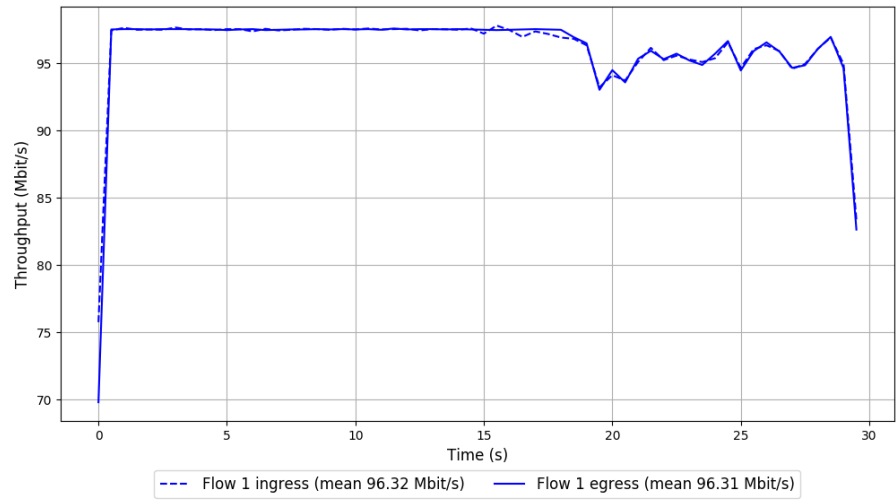


Run 4: Statistics of TCP Vegas

Start at: 2017-09-03 01:58:26  
End at: 2017-09-03 01:58:56  
Local clock offset: 1.522 ms  
Remote clock offset: -7.127 ms

# Below is generated by plot.py at 2017-09-03 07:32:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.31 Mbit/s  
95th percentile per-packet one-way delay: 30.793 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 96.31 Mbit/s  
95th percentile per-packet one-way delay: 30.793 ms  
Loss rate: 0.08%

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



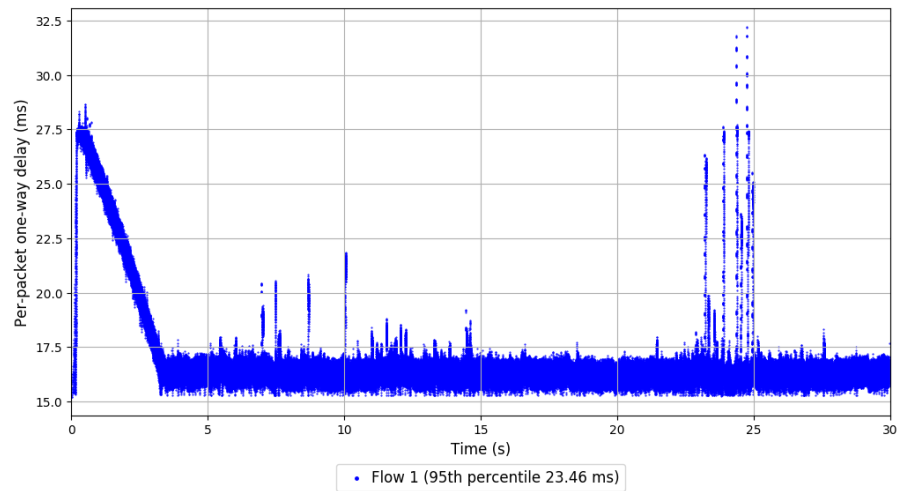
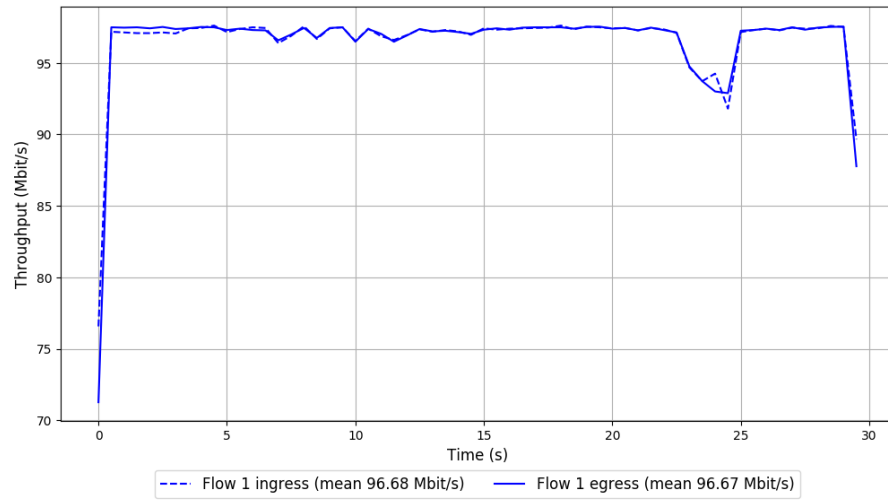
Run 5: Statistics of TCP Vegas

Start at: 2017-09-03 02:16:25  
End at: 2017-09-03 02:16:55  
Local clock offset: -1.732 ms  
Remote clock offset: -7.089 ms

# Below is generated by plot.py at 2017-09-03 07:32:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.67 Mbit/s  
95th percentile per-packet one-way delay: 23.463 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 96.67 Mbit/s  
95th percentile per-packet one-way delay: 23.463 ms  
Loss rate: 0.09%



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

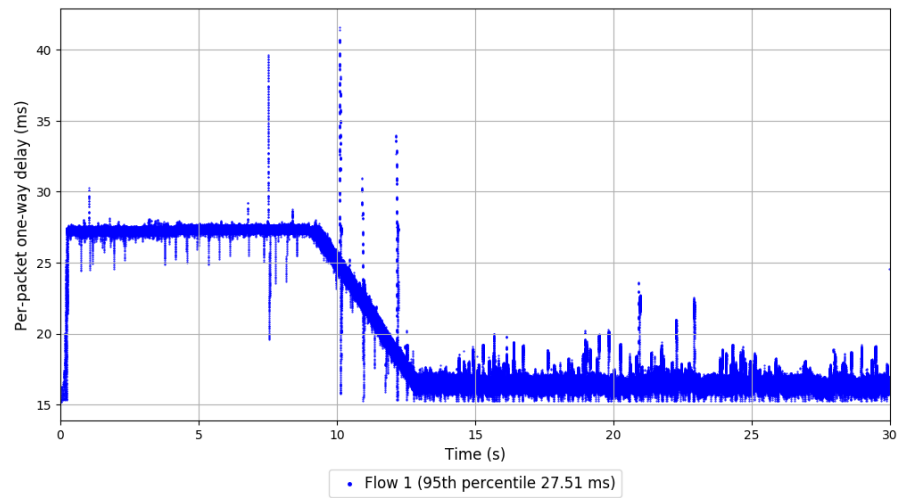
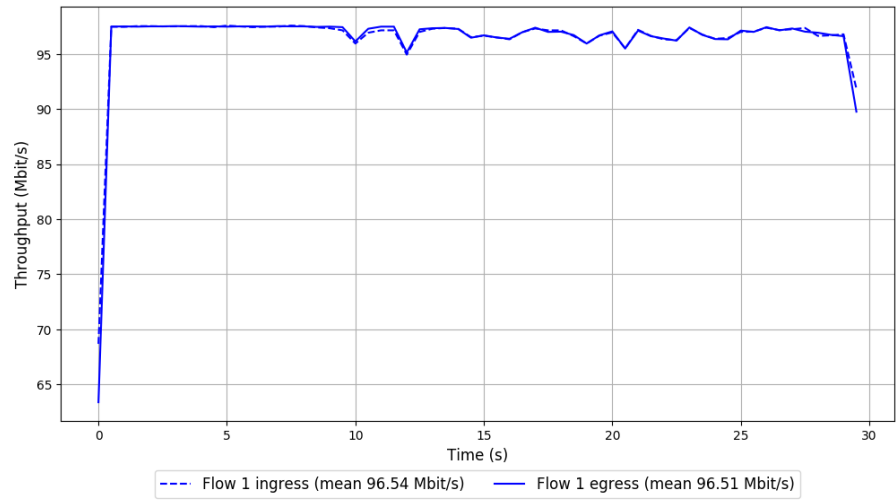


Run 6: Statistics of TCP Vegas

Start at: 2017-09-03 02:34:12  
End at: 2017-09-03 02:34:42  
Local clock offset: -1.767 ms  
Remote clock offset: -7.054 ms

# Below is generated by plot.py at 2017-09-03 07:32:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.51 Mbit/s  
95th percentile per-packet one-way delay: 27.513 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 96.51 Mbit/s  
95th percentile per-packet one-way delay: 27.513 ms  
Loss rate: 0.09%

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

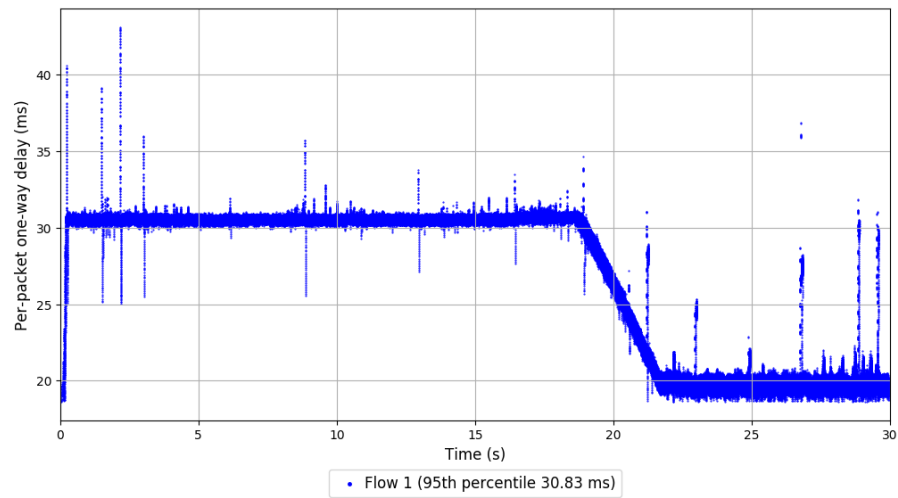
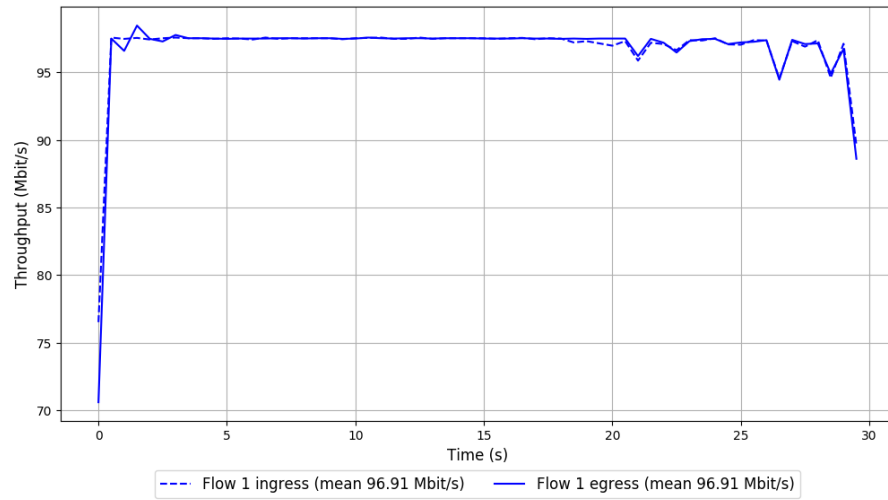


Run 7: Statistics of TCP Vegas

Start at: 2017-09-03 02:52:13  
End at: 2017-09-03 02:52:43  
Local clock offset: 1.861 ms  
Remote clock offset: -6.673 ms

# Below is generated by plot.py at 2017-09-03 07:32:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.91 Mbit/s  
95th percentile per-packet one-way delay: 30.829 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 96.91 Mbit/s  
95th percentile per-packet one-way delay: 30.829 ms  
Loss rate: 0.09%

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

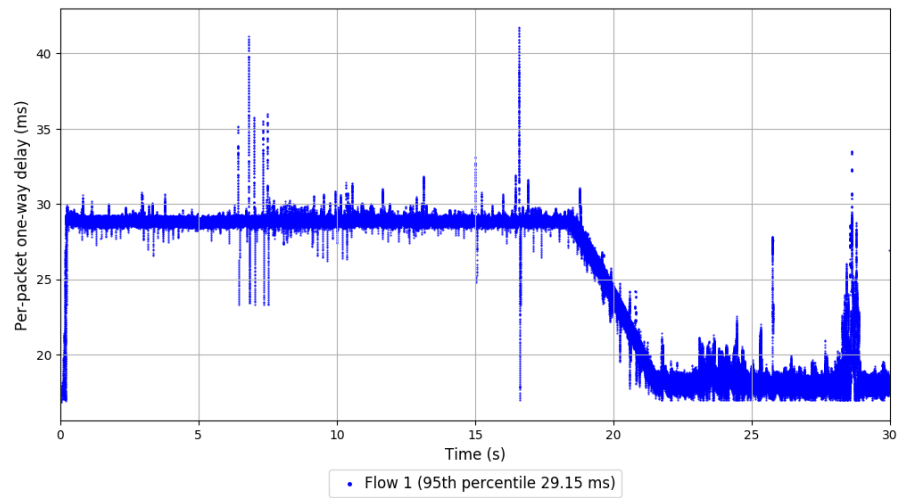
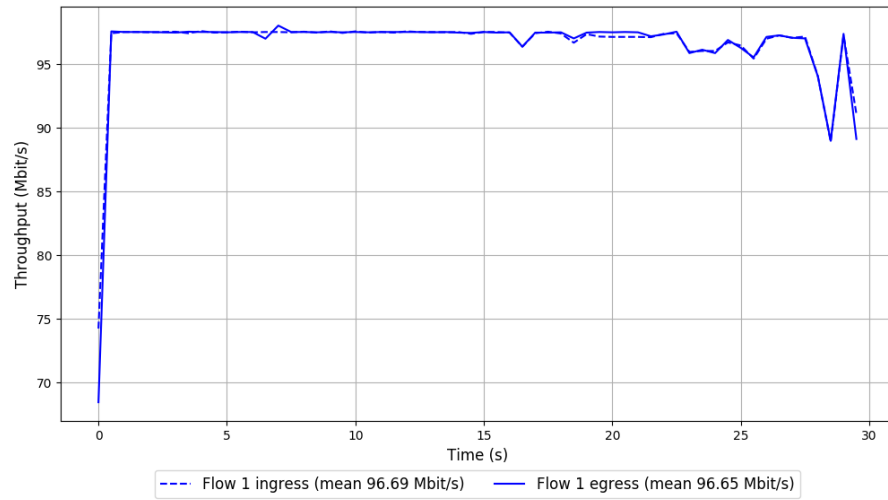


Run 8: Statistics of TCP Vegas

Start at: 2017-09-03 03:09:53  
End at: 2017-09-03 03:10:23  
Local clock offset: 0.301 ms  
Remote clock offset: -6.533 ms

# Below is generated by plot.py at 2017-09-03 07:32:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.65 Mbit/s  
95th percentile per-packet one-way delay: 29.149 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 96.65 Mbit/s  
95th percentile per-packet one-way delay: 29.149 ms  
Loss rate: 0.09%

# Run 8: Report of TCP Vegas — Data Link



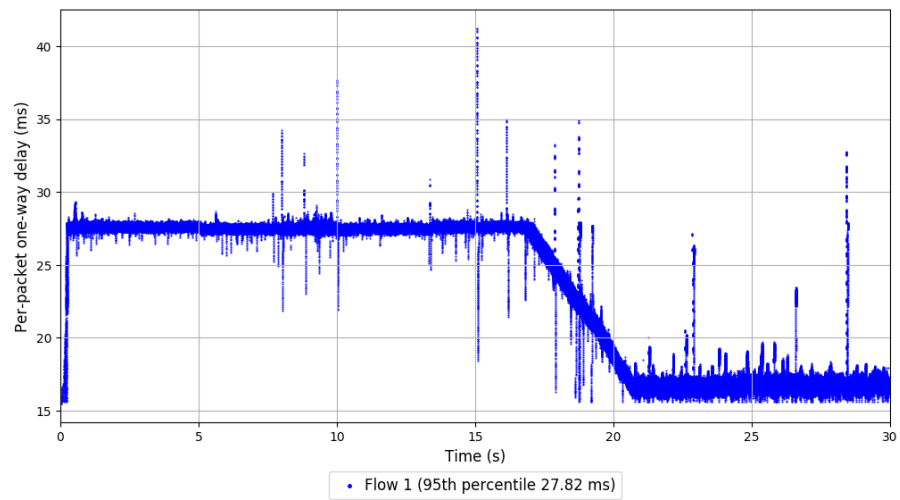
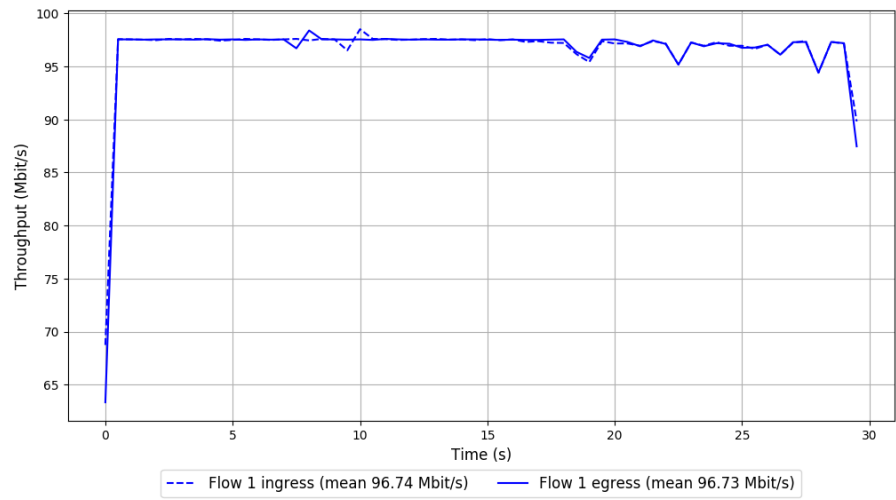
Run 9: Statistics of TCP Vegas

Start at: 2017-09-03 03:27:52  
End at: 2017-09-03 03:28:22  
Local clock offset: -0.622 ms  
Remote clock offset: -6.083 ms

# Below is generated by plot.py at 2017-09-03 07:32:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.73 Mbit/s  
95th percentile per-packet one-way delay: 27.817 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 96.73 Mbit/s  
95th percentile per-packet one-way delay: 27.817 ms  
Loss rate: 0.10%



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



Run 10: Statistics of TCP Vegas

Start at: 2017-09-03 03:45:54

End at: 2017-09-03 03:46:24

Local clock offset: 1.048 ms

Remote clock offset: -5.956 ms

# Below is generated by plot.py at 2017-09-03 07:32:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.44 Mbit/s

95th percentile per-packet one-way delay: 29.211 ms

Loss rate: 0.09%

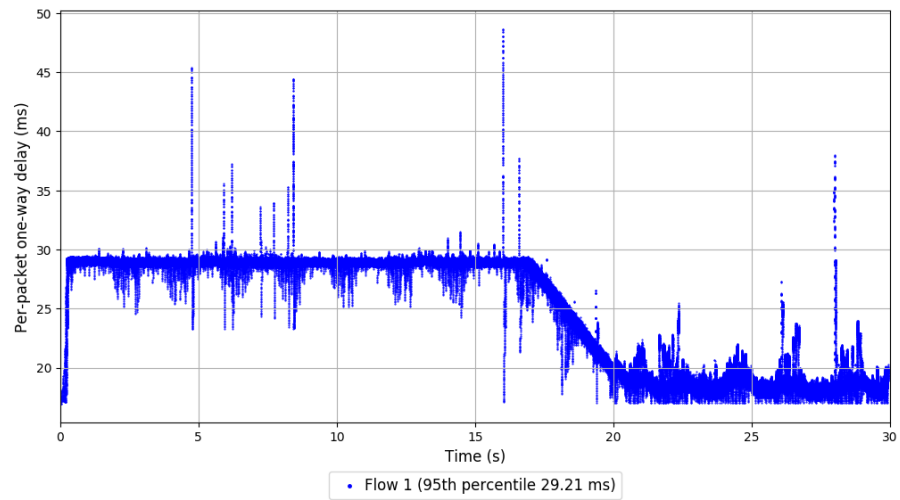
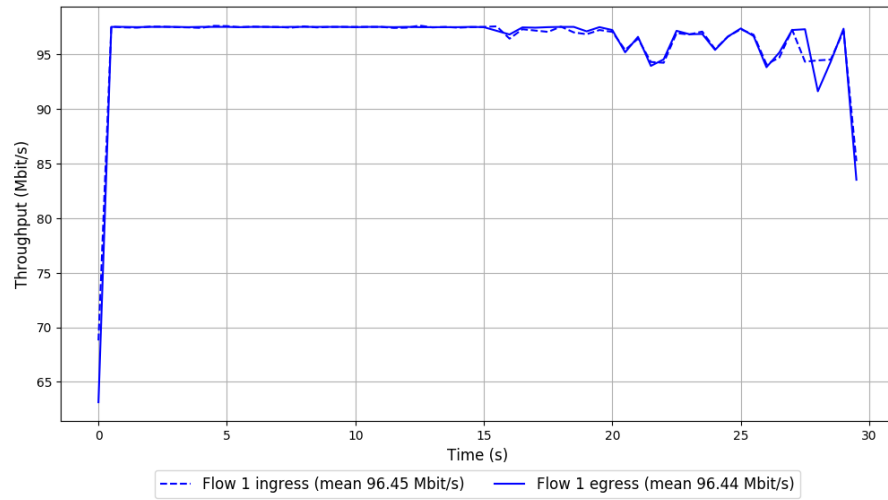
-- Flow 1:

Average throughput: 96.44 Mbit/s

95th percentile per-packet one-way delay: 29.211 ms

Loss rate: 0.09%

# Run 10: Report of TCP Vegas — Data Link

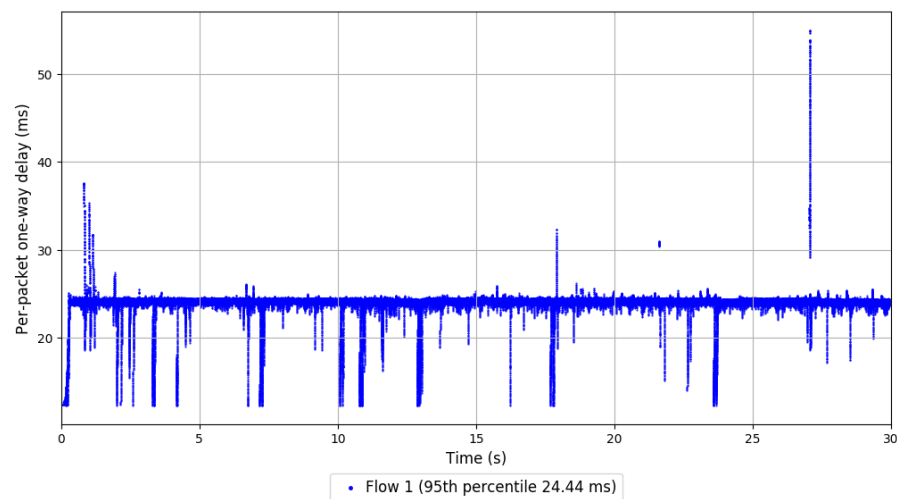
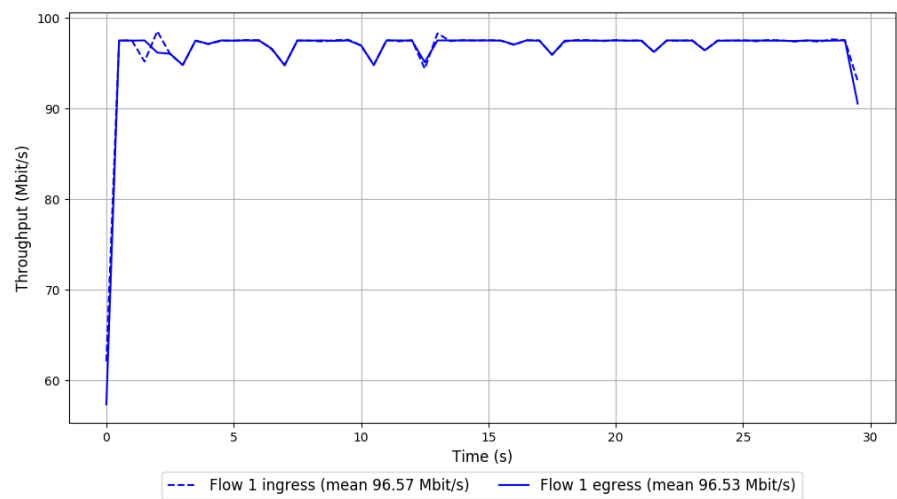


Run 1: Statistics of Verus

Start at: 2017-09-03 01:04:18  
End at: 2017-09-03 01:04:48  
Local clock offset: 1.566 ms  
Remote clock offset: -0.753 ms

# Below is generated by plot.py at 2017-09-03 07:33:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.53 Mbit/s  
95th percentile per-packet one-way delay: 24.442 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 96.53 Mbit/s  
95th percentile per-packet one-way delay: 24.442 ms  
Loss rate: 0.12%

Run 1: Report of Verus — Data Link

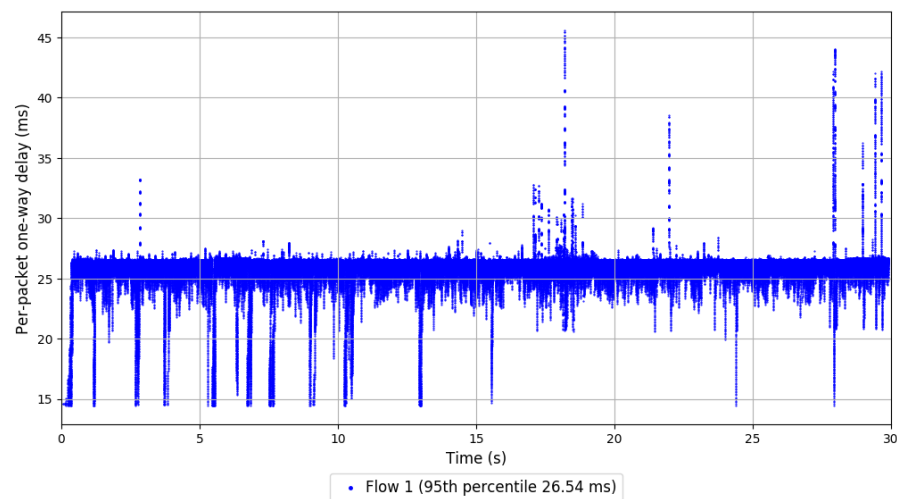
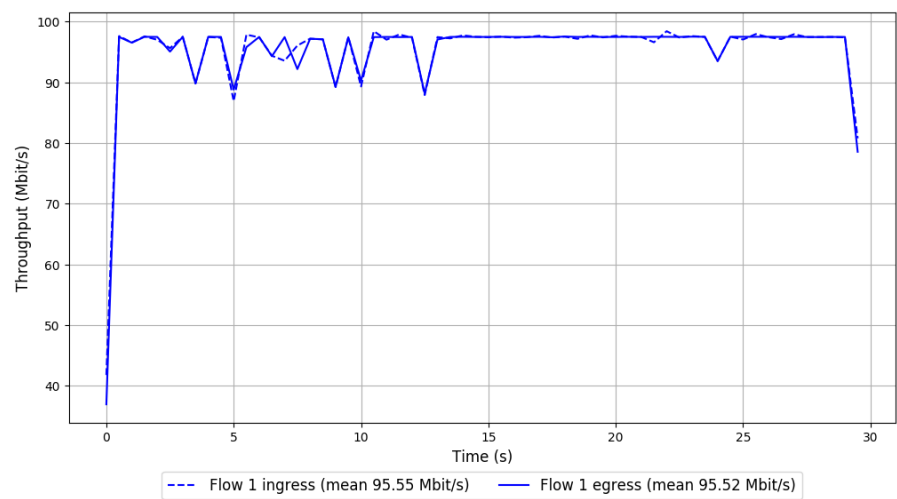


Run 2: Statistics of Verus

Start at: 2017-09-03 01:21:43  
End at: 2017-09-03 01:22:13  
Local clock offset: 0.014 ms  
Remote clock offset: -4.553 ms

# Below is generated by plot.py at 2017-09-03 07:33:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.52 Mbit/s  
95th percentile per-packet one-way delay: 26.537 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 95.52 Mbit/s  
95th percentile per-packet one-way delay: 26.537 ms  
Loss rate: 0.13%

Run 2: Report of Verus — Data Link



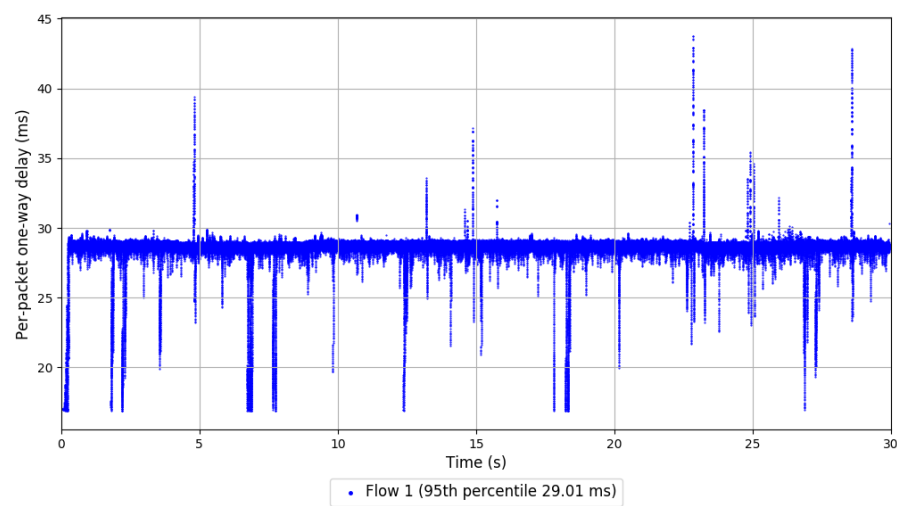
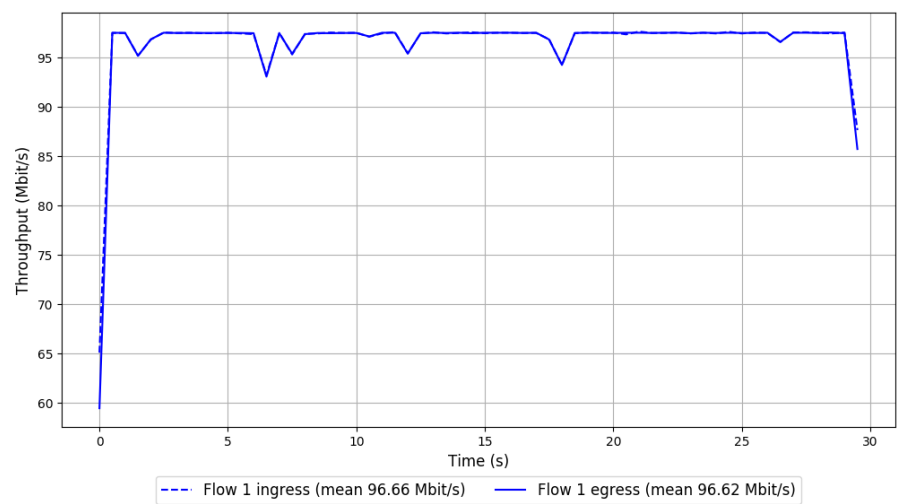
Run 3: Statistics of Verus

Start at: 2017-09-03 01:39:35  
End at: 2017-09-03 01:40:05  
Local clock offset: 0.229 ms  
Remote clock offset: -6.756 ms

# Below is generated by plot.py at 2017-09-03 07:33:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.62 Mbit/s  
95th percentile per-packet one-way delay: 29.011 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 96.62 Mbit/s  
95th percentile per-packet one-way delay: 29.011 ms  
Loss rate: 0.13%



Run 3: Report of Verus — Data Link

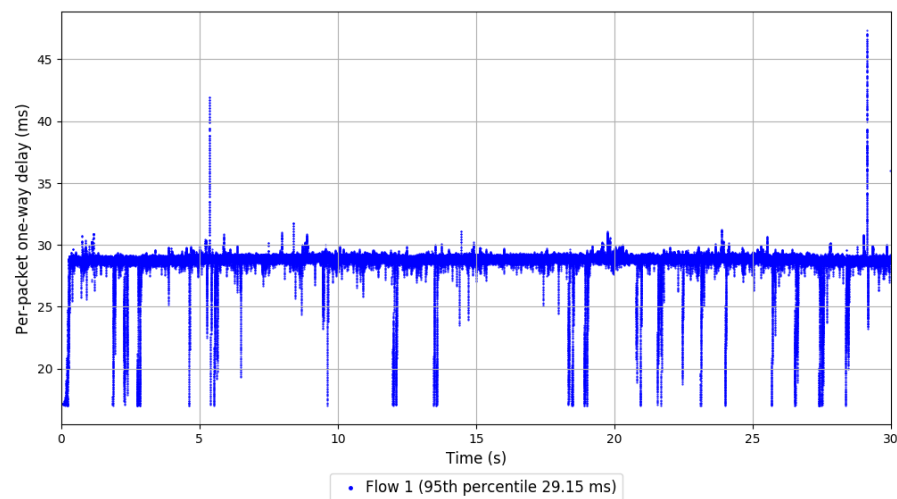
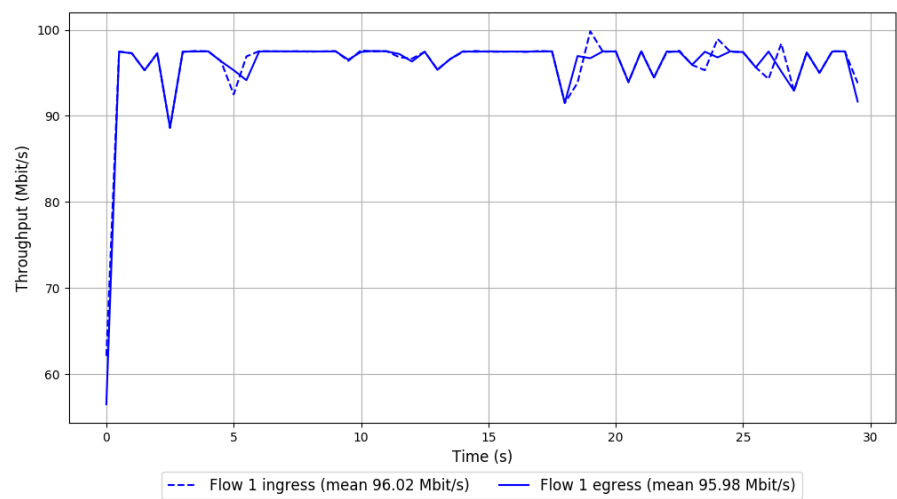


Run 4: Statistics of Verus

Start at: 2017-09-03 01:57:11  
End at: 2017-09-03 01:57:41  
Local clock offset: 0.373 ms  
Remote clock offset: -6.709 ms

# Below is generated by plot.py at 2017-09-03 07:33:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.98 Mbit/s  
95th percentile per-packet one-way delay: 29.152 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 95.98 Mbit/s  
95th percentile per-packet one-way delay: 29.152 ms  
Loss rate: 0.14%

Run 4: Report of Verus — Data Link

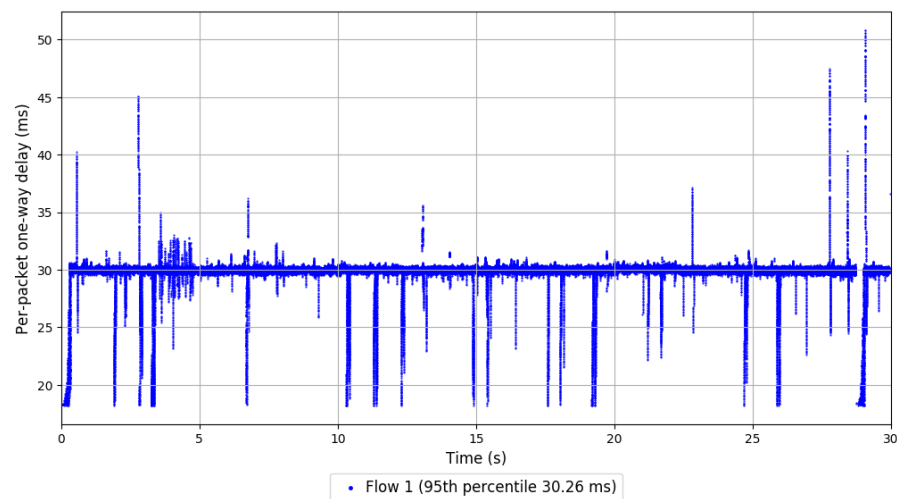
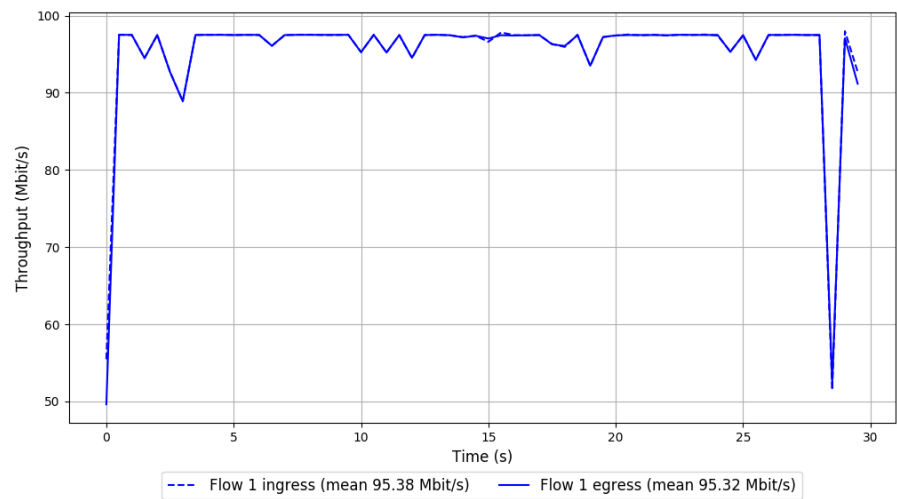


Run 5: Statistics of Verus

Start at: 2017-09-03 02:15:11  
End at: 2017-09-03 02:15:41  
Local clock offset: 0.71 ms  
Remote clock offset: -7.563 ms

# Below is generated by plot.py at 2017-09-03 07:33:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.32 Mbit/s  
95th percentile per-packet one-way delay: 30.257 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 95.32 Mbit/s  
95th percentile per-packet one-way delay: 30.257 ms  
Loss rate: 0.13%

Run 5: Report of Verus — Data Link

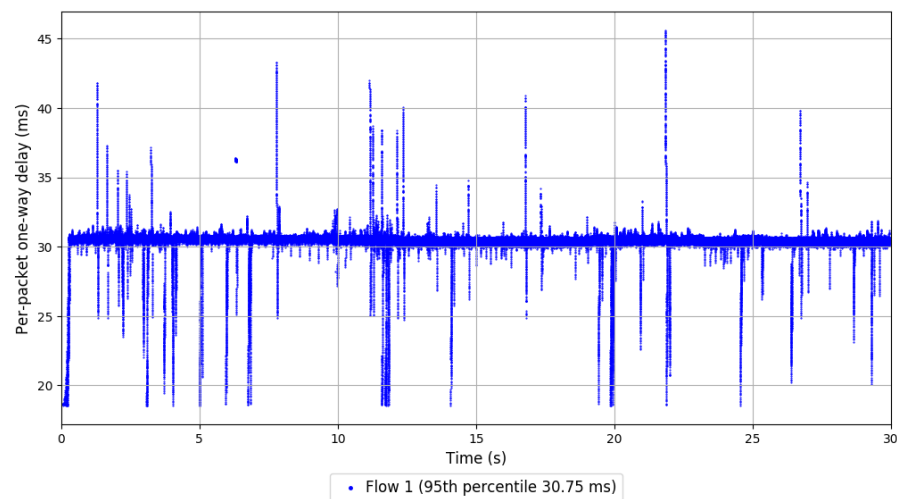
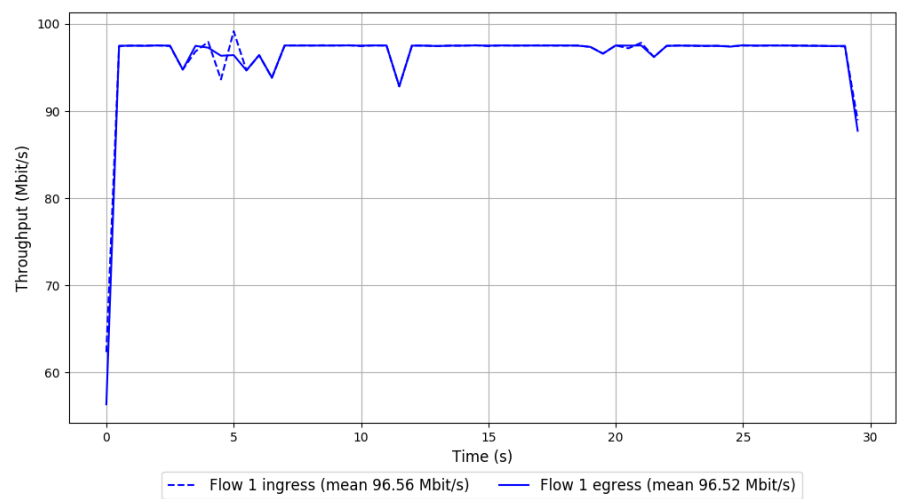


Run 6: Statistics of Verus

Start at: 2017-09-03 02:32:59  
End at: 2017-09-03 02:33:29  
Local clock offset: 1.702 ms  
Remote clock offset: -6.885 ms

# Below is generated by plot.py at 2017-09-03 07:33:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.52 Mbit/s  
95th percentile per-packet one-way delay: 30.751 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 96.52 Mbit/s  
95th percentile per-packet one-way delay: 30.751 ms  
Loss rate: 0.12%

Run 6: Report of Verus — Data Link



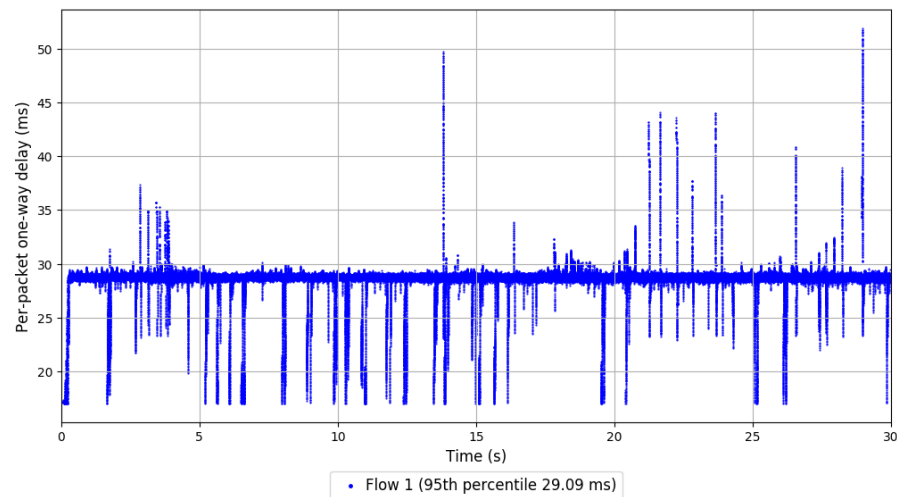
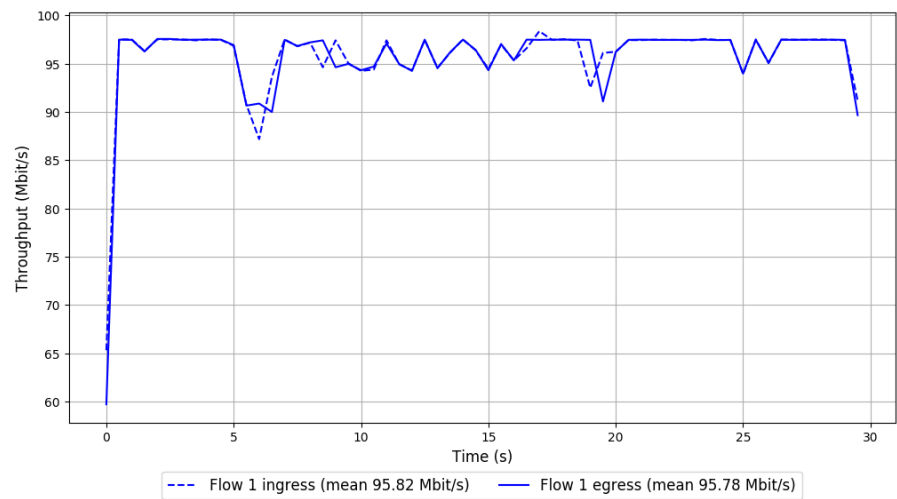
Run 7: Statistics of Verus

Start at: 2017-09-03 02:50:57  
End at: 2017-09-03 02:51:27  
Local clock offset: 0.14 ms  
Remote clock offset: -6.807 ms

# Below is generated by plot.py at 2017-09-03 07:33:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.78 Mbit/s  
95th percentile per-packet one-way delay: 29.086 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 95.78 Mbit/s  
95th percentile per-packet one-way delay: 29.086 ms  
Loss rate: 0.12%



Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: 2017-09-03 03:08:37

End at: 2017-09-03 03:09:07

Local clock offset: 0.889 ms

Remote clock offset: -4.99 ms

# Below is generated by plot.py at 2017-09-03 07:33:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.19 Mbit/s

95th percentile per-packet one-way delay: 28.151 ms

Loss rate: 0.12%

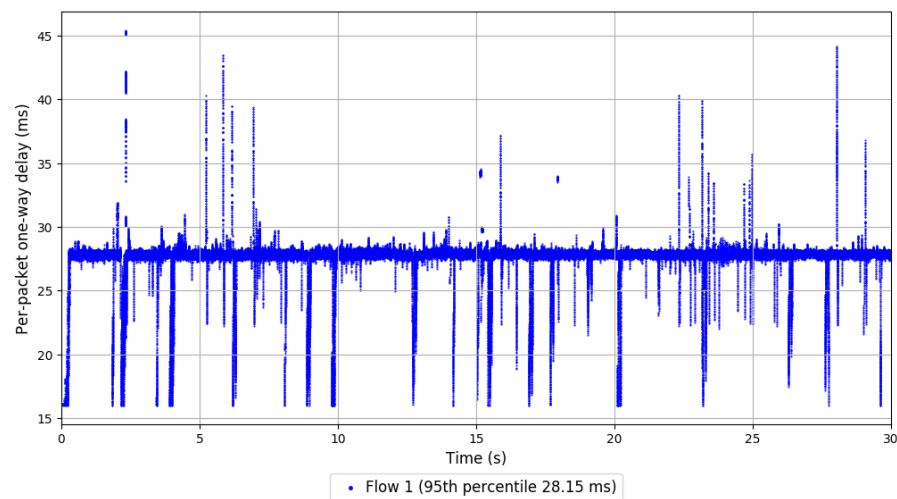
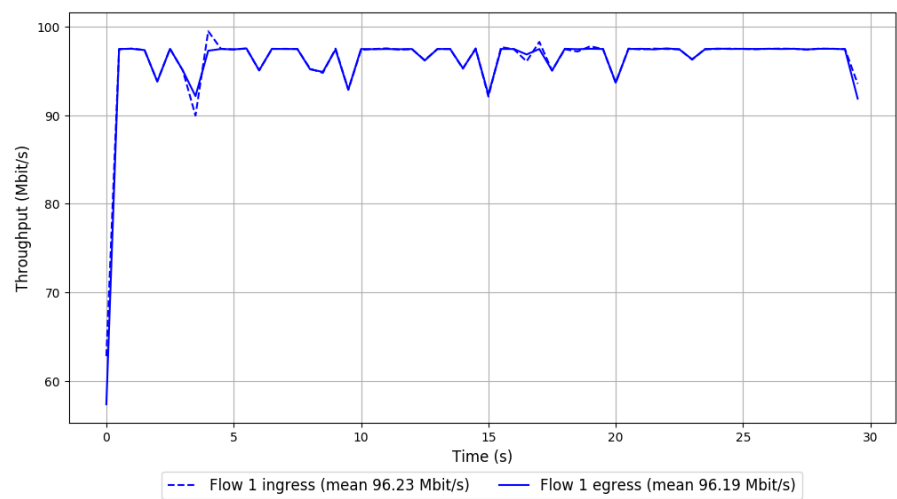
-- Flow 1:

Average throughput: 96.19 Mbit/s

95th percentile per-packet one-way delay: 28.151 ms

Loss rate: 0.12%

Run 8: Report of Verus — Data Link

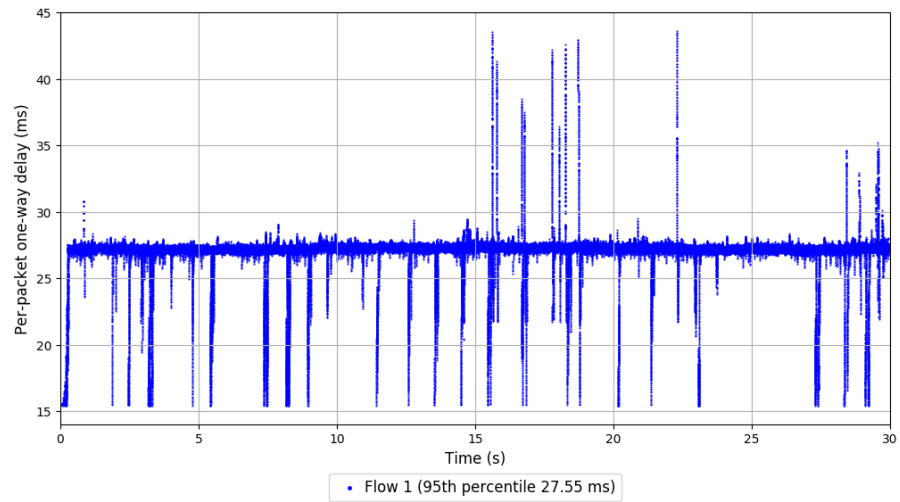
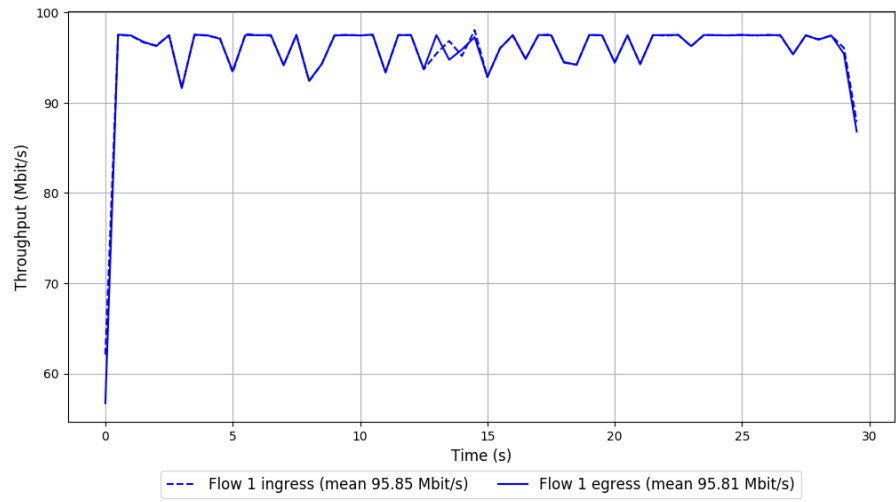


Run 9: Statistics of Verus

Start at: 2017-09-03 03:26:31  
End at: 2017-09-03 03:27:01  
Local clock offset: -0.831 ms  
Remote clock offset: -6.122 ms

# Below is generated by plot.py at 2017-09-03 07:33:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.81 Mbit/s  
95th percentile per-packet one-way delay: 27.552 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 95.81 Mbit/s  
95th percentile per-packet one-way delay: 27.552 ms  
Loss rate: 0.12%

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



Run 10: Statistics of Verus

Start at: 2017-09-03 03:44:36

End at: 2017-09-03 03:45:06

Local clock offset: 1.57 ms

Remote clock offset: -5.71 ms

# Below is generated by plot.py at 2017-09-03 07:34:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.83 Mbit/s

95th percentile per-packet one-way delay: 29.497 ms

Loss rate: 0.13%

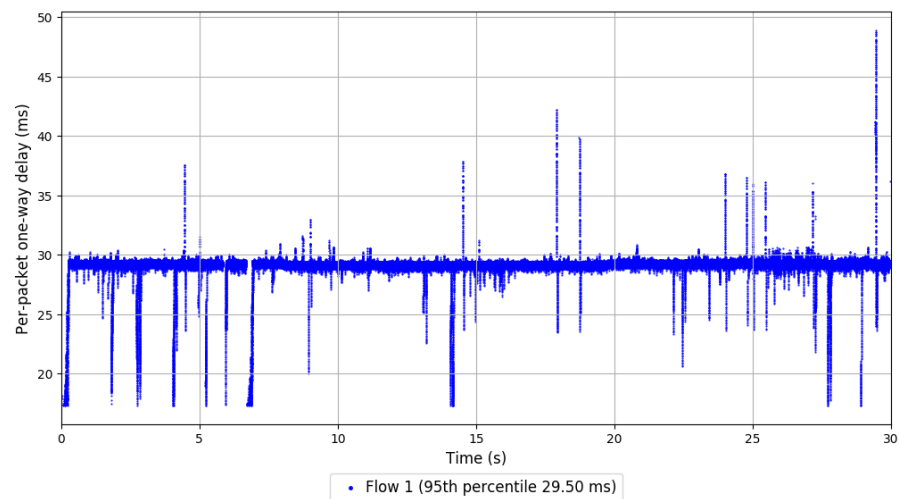
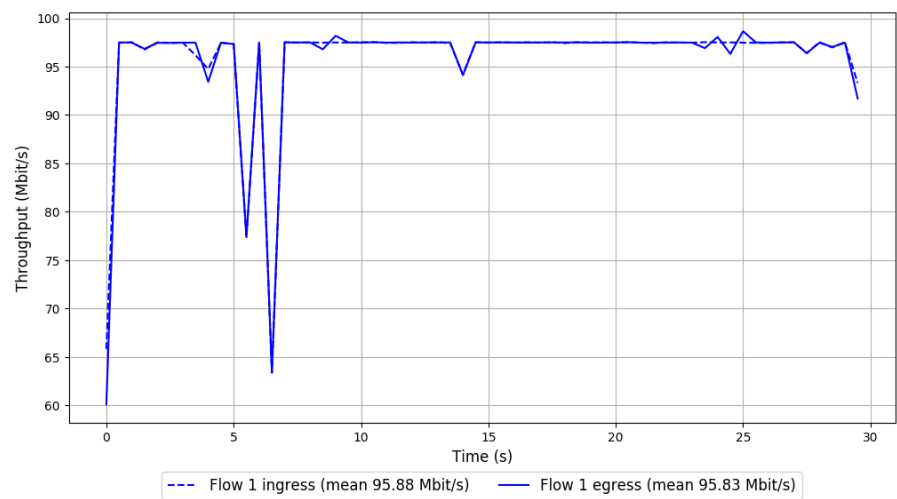
-- Flow 1:

Average throughput: 95.83 Mbit/s

95th percentile per-packet one-way delay: 29.497 ms

Loss rate: 0.13%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: 2017-09-03 01:07:48

End at: 2017-09-03 01:08:19

Local clock offset: 0.54 ms

Remote clock offset: -4.708 ms

# Below is generated by plot.py at 2017-09-03 07:34:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 17.546 ms

Loss rate: 0.00%

-- Flow 1:

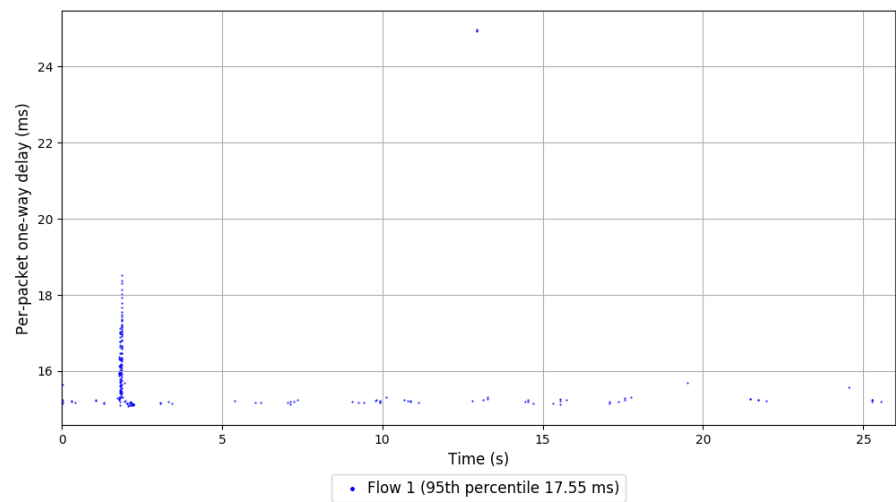
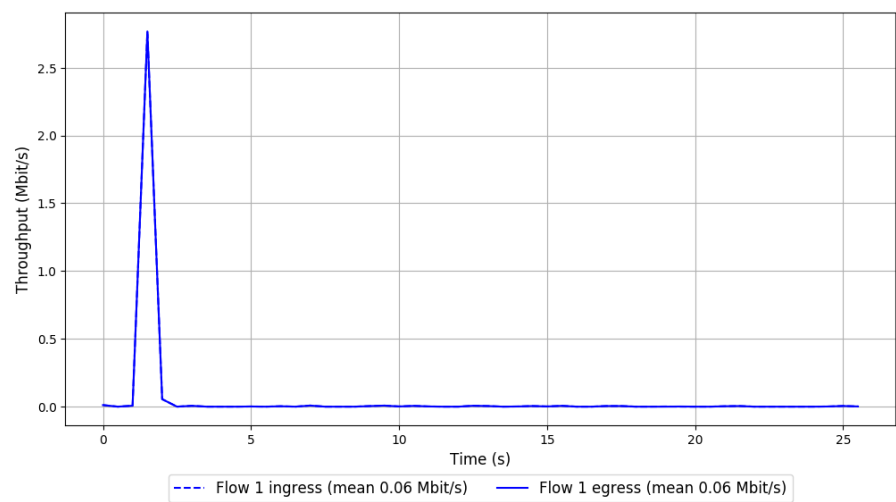
Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 17.546 ms

Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2017-09-03 01:25:25

End at: 2017-09-03 01:25:55

Local clock offset: -2.588 ms

Remote clock offset: -7.43 ms

# Below is generated by plot.py at 2017-09-03 07:34:04

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 15.241 ms

Loss rate: 0.16%

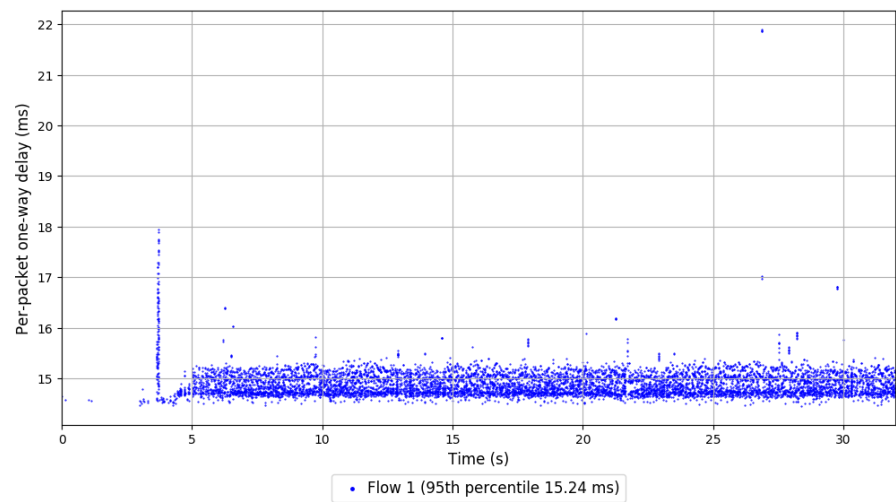
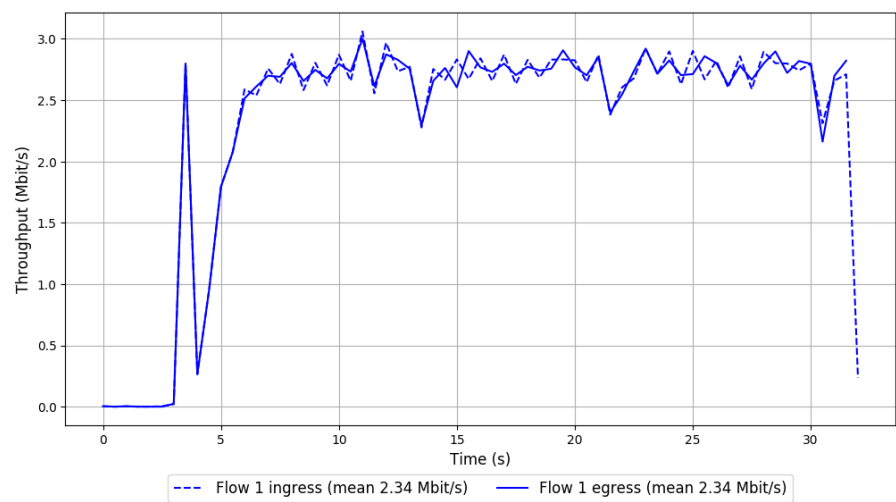
-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 15.241 ms

Loss rate: 0.16%

Run 2: Report of WebRTC media — Data Link

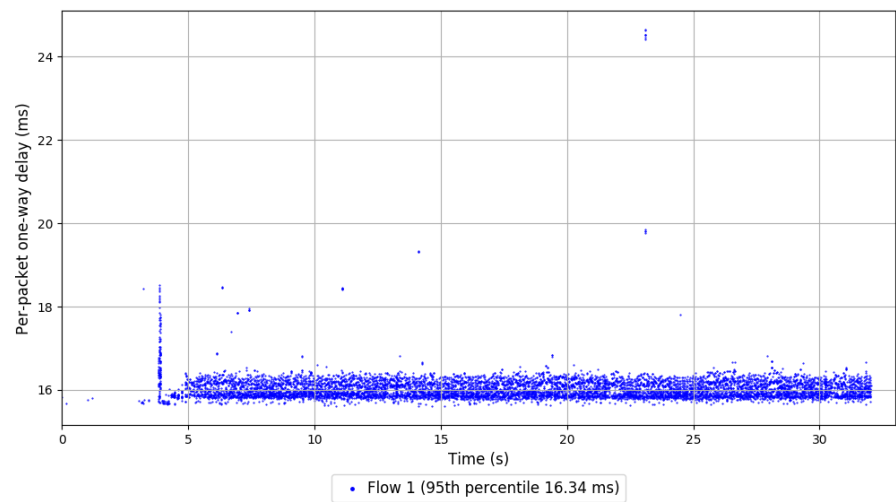
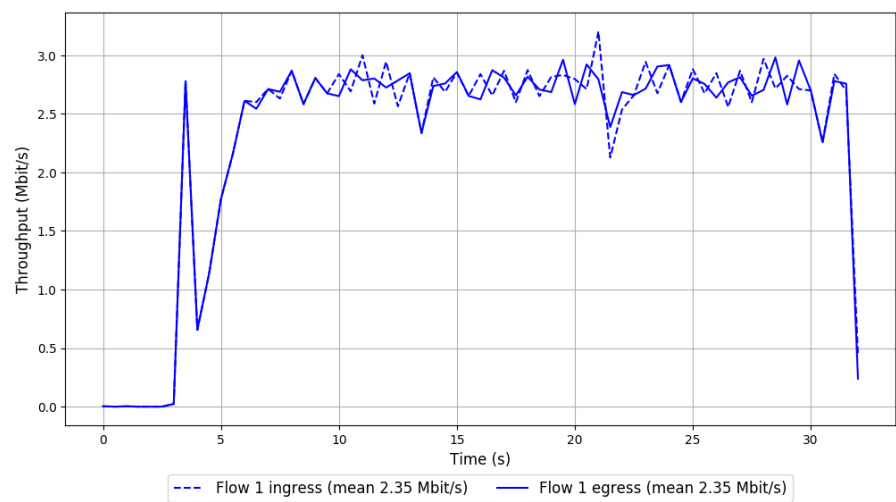


Run 3: Statistics of WebRTC media

Start at: 2017-09-03 01:43:13  
End at: 2017-09-03 01:43:43  
Local clock offset: -1.415 ms  
Remote clock offset: -7.319 ms

# Below is generated by plot.py at 2017-09-03 07:34:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.35 Mbit/s  
95th percentile per-packet one-way delay: 16.342 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 2.35 Mbit/s  
95th percentile per-packet one-way delay: 16.342 ms  
Loss rate: 0.14%

Run 3: Report of WebRTC media — Data Link

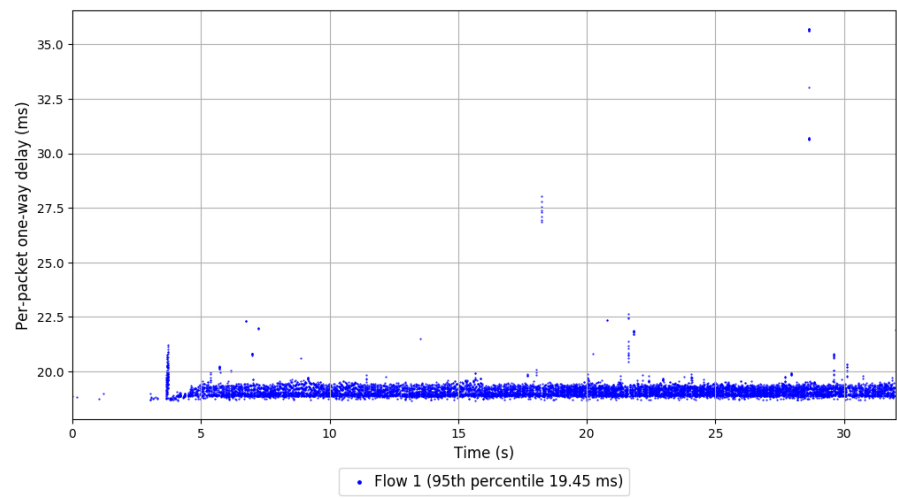
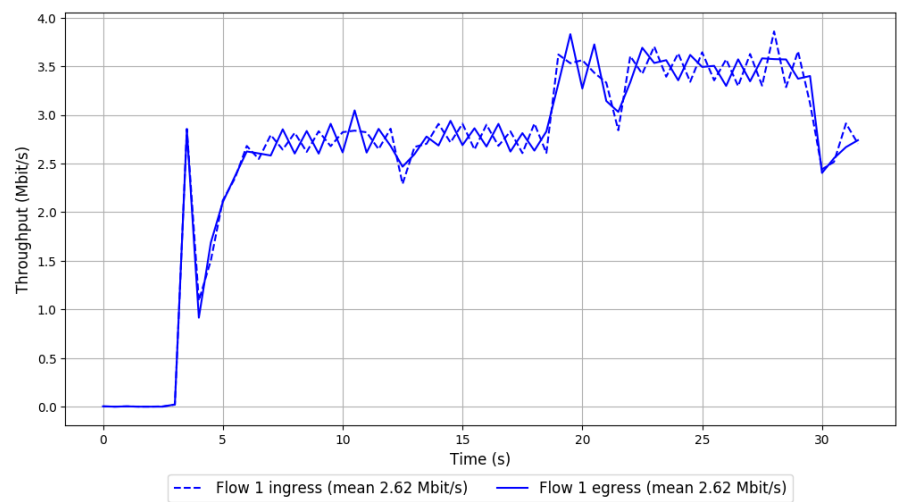


Run 4: Statistics of WebRTC media

Start at: 2017-09-03 02:00:53  
End at: 2017-09-03 02:01:23  
Local clock offset: 1.861 ms  
Remote clock offset: -7.055 ms

# Below is generated by plot.py at 2017-09-03 07:34:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.62 Mbit/s  
95th percentile per-packet one-way delay: 19.448 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 2.62 Mbit/s  
95th percentile per-packet one-way delay: 19.448 ms  
Loss rate: 0.16%

Run 4: Report of WebRTC media — Data Link



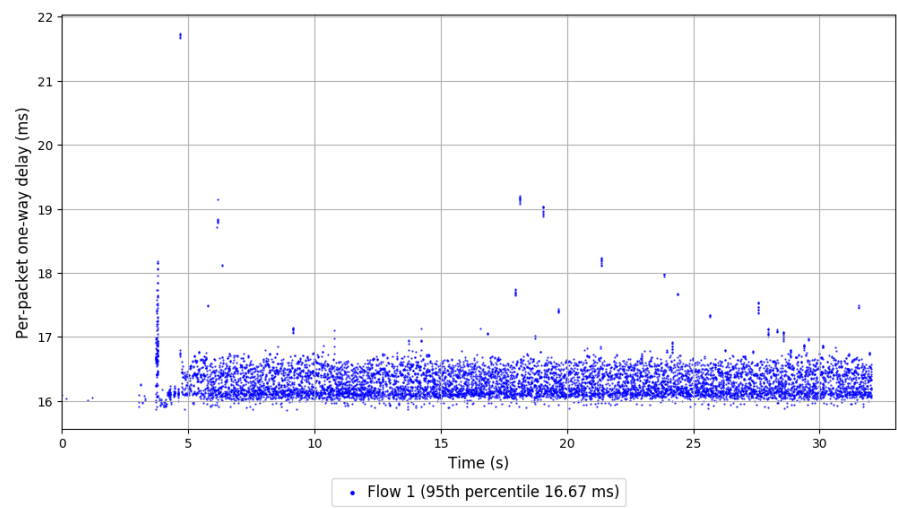
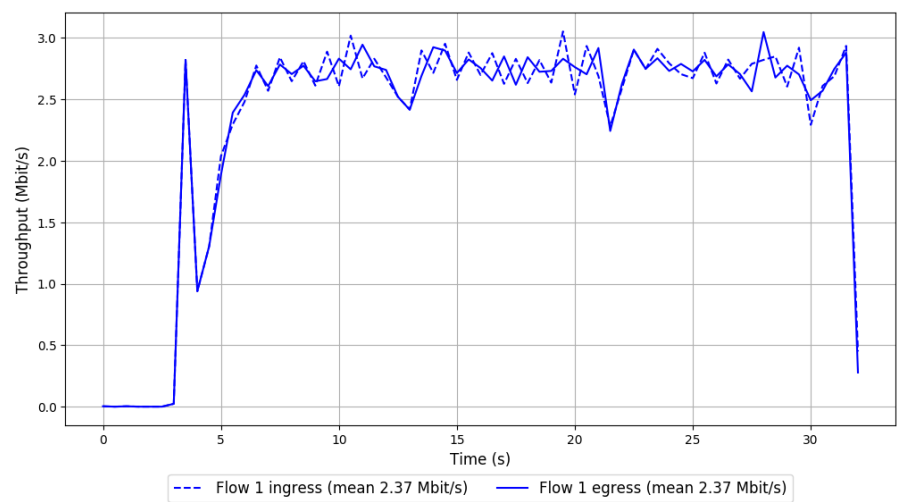
Run 5: Statistics of WebRTC media

Start at: 2017-09-03 02:18:47  
End at: 2017-09-03 02:19:17  
Local clock offset: -0.3 ms  
Remote clock offset: -6.406 ms

# Below is generated by plot.py at 2017-09-03 07:34:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.37 Mbit/s  
95th percentile per-packet one-way delay: 16.673 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 2.37 Mbit/s  
95th percentile per-packet one-way delay: 16.673 ms  
Loss rate: 0.15%



Run 5: Report of WebRTC media — Data Link

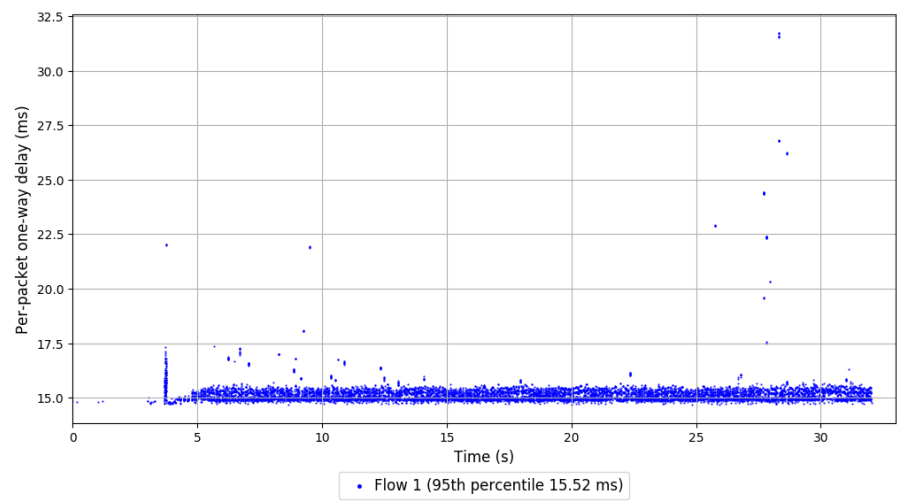
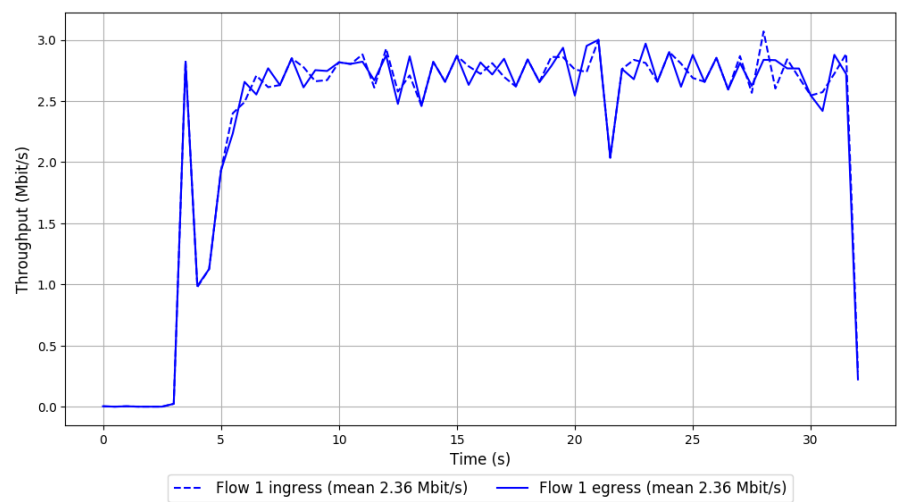


Run 6: Statistics of WebRTC media

Start at: 2017-09-03 02:36:33  
End at: 2017-09-03 02:37:03  
Local clock offset: -1.228 ms  
Remote clock offset: -6.058 ms

# Below is generated by plot.py at 2017-09-03 07:34:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.36 Mbit/s  
95th percentile per-packet one-way delay: 15.521 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 2.36 Mbit/s  
95th percentile per-packet one-way delay: 15.521 ms  
Loss rate: 0.15%

Run 6: Report of WebRTC media — Data Link

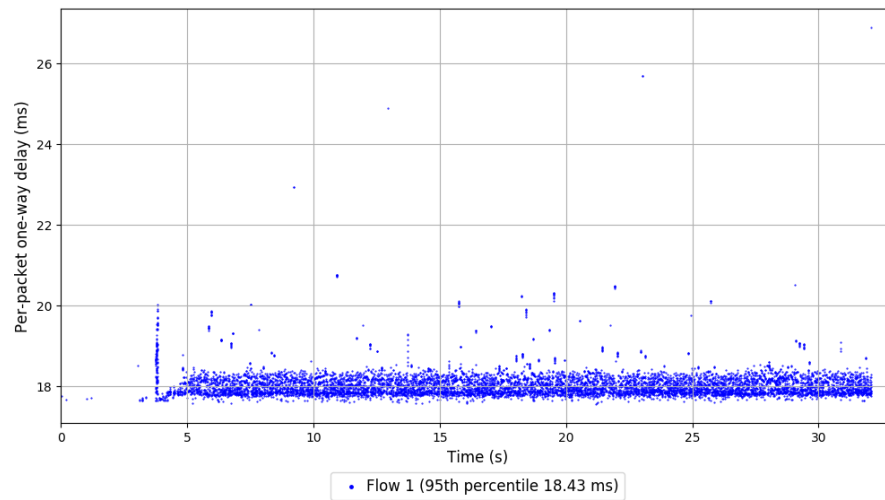
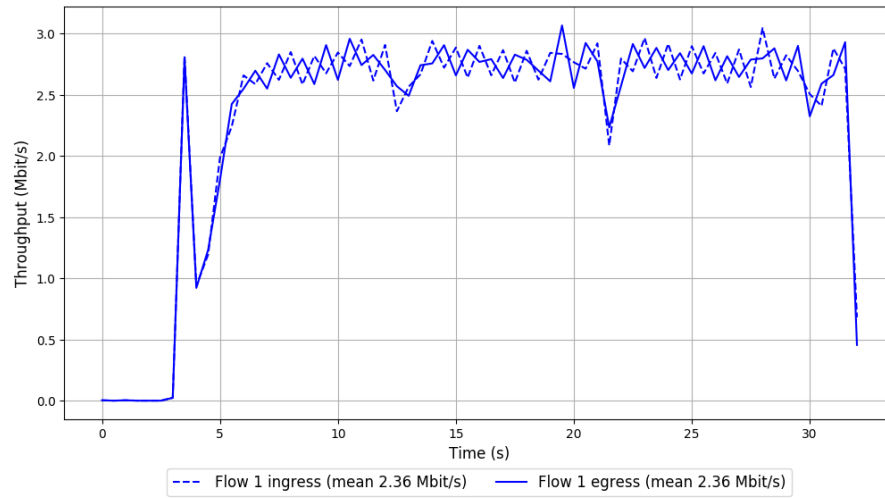


Run 7: Statistics of WebRTC media

Start at: 2017-09-03 02:54:35  
End at: 2017-09-03 02:55:05  
Local clock offset: 1.288 ms  
Remote clock offset: -6.321 ms

# Below is generated by plot.py at 2017-09-03 07:34:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.36 Mbit/s  
95th percentile per-packet one-way delay: 18.435 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 2.36 Mbit/s  
95th percentile per-packet one-way delay: 18.435 ms  
Loss rate: 0.15%

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

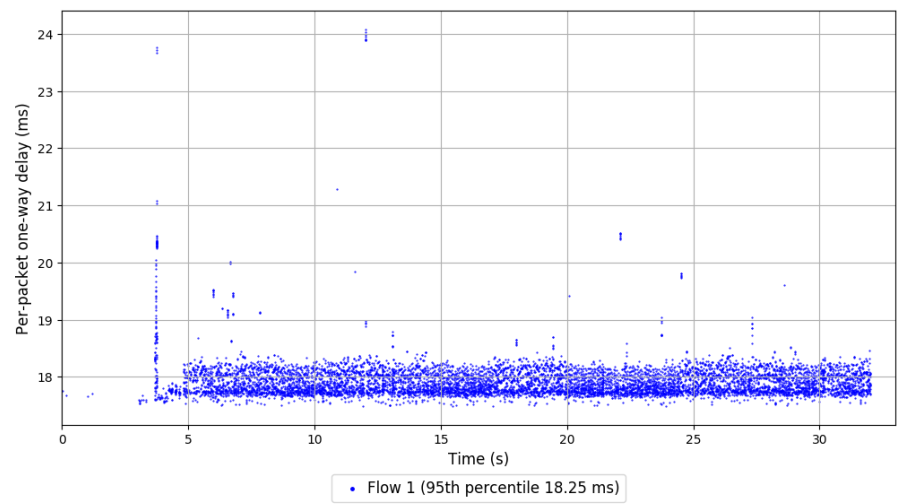
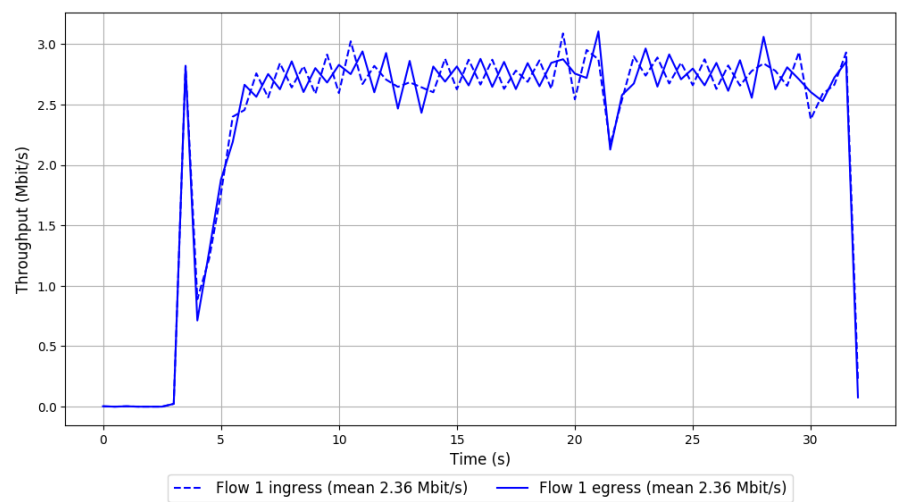


Run 8: Statistics of WebRTC media

Start at: 2017-09-03 03:12:20  
End at: 2017-09-03 03:12:50  
Local clock offset: 1.191 ms  
Remote clock offset: -6.352 ms

# Below is generated by plot.py at 2017-09-03 07:34:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.36 Mbit/s  
95th percentile per-packet one-way delay: 18.254 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 2.36 Mbit/s  
95th percentile per-packet one-way delay: 18.254 ms  
Loss rate: 0.15%

Run 8: Report of WebRTC media — Data Link



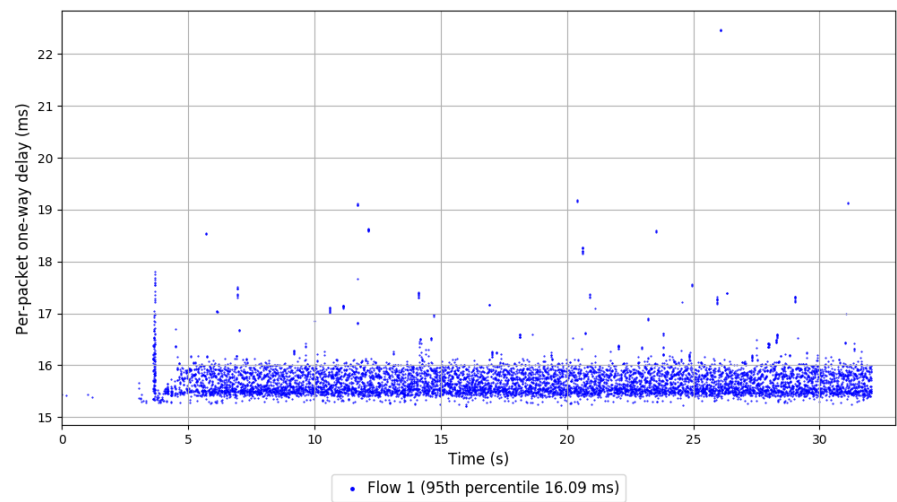
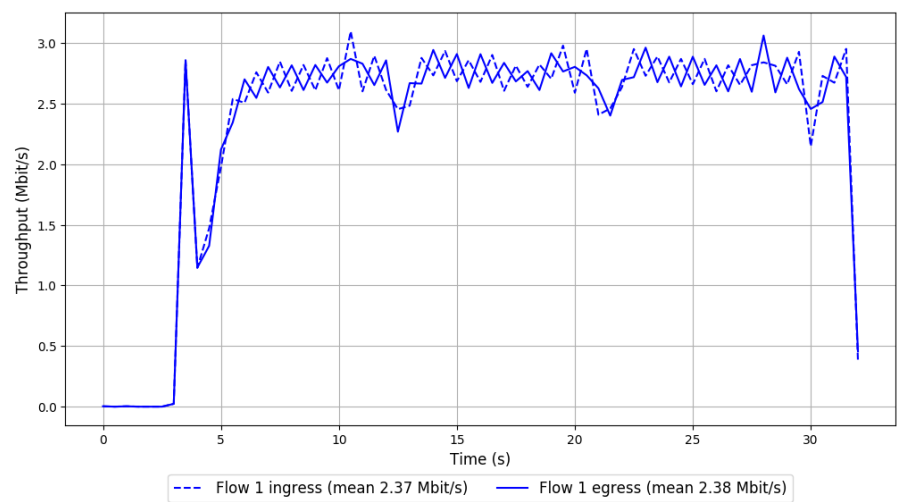
Run 9: Statistics of WebRTC media

Start at: 2017-09-03 03:30:22  
End at: 2017-09-03 03:30:52  
Local clock offset: -0.936 ms  
Remote clock offset: -6.248 ms

# Below is generated by plot.py at 2017-09-03 07:34:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.38 Mbit/s  
95th percentile per-packet one-way delay: 16.091 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 2.38 Mbit/s  
95th percentile per-packet one-way delay: 16.091 ms  
Loss rate: 0.10%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: 2017-09-03 03:48:19  
End at: 2017-09-03 03:48:49  
Local clock offset: -0.628 ms  
Remote clock offset: -6.403 ms

# Below is generated by plot.py at 2017-09-03 07:34:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.37 Mbit/s  
95th percentile per-packet one-way delay: 16.372 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 2.37 Mbit/s  
95th percentile per-packet one-way delay: 16.372 ms  
Loss rate: 0.10%

Run 10: Report of WebRTC media — Data Link

