

## Pantheon Report

Generated at 2017-08-22 02:47:43 (UTC).

Data path: Stanford Ethernet (*remote*) → AWS California 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).

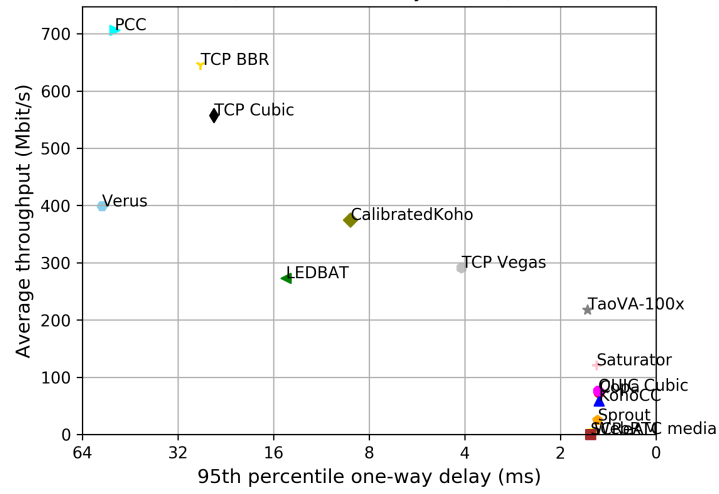
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

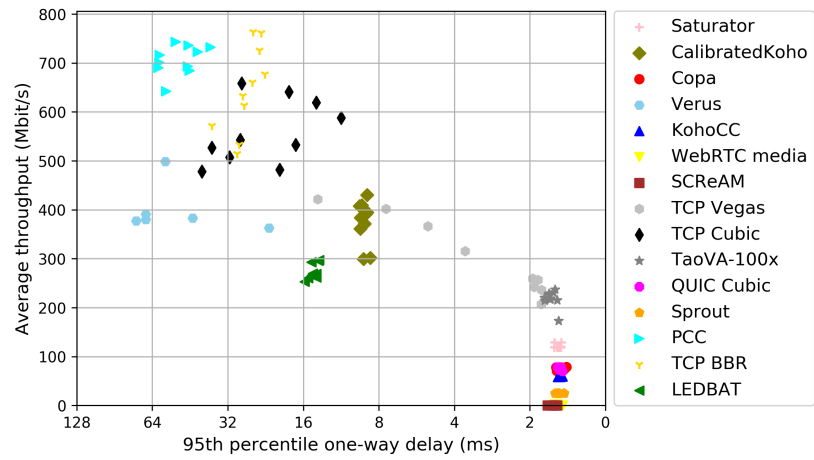
Git summary:

```
branch: master @ e43be7582298d552838afcf6382342bf187fbbd6
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
  M scripts/merge-tunnel-logs
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaaeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webRTC @ a488197ddd041ace68a42849b2540ad834825f42
```

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



test from Stanford Ethernet to AWS California 1 Ethernet, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	645.46	27.21	0.11
CalibratedKoho	10	375.00	9.17	0.07
Copa	10	73.55	1.19	0.06
TCP Cubic	10	557.49	24.66	0.07
KohoCC	10	58.96	1.19	0.07
LEDBAT	10	273.15	14.62	0.11
PCC	10	706.27	50.65	3.17
QUIC Cubic	10	76.42	1.21	0.05
Saturator	10	120.86	1.24	0.07
SCReAM	10	0.22	1.37	0.09
Sprout	10	24.80	1.22	0.06
TaoVA-100x	10	218.03	1.44	0.06
TCP Vegas	10	291.28	4.10	0.06
Verus	6	398.79	55.53	0.85
WebRTC media	9	1.54	1.30	0.06

Run 1: Statistics of TCP BBR

Start at: 2017-08-21 17:48:10

End at: 2017-08-21 17:48:40

Local clock offset: 0.491 ms

Remote clock offset: -3.669 ms

# Below is generated by plot.py at 2017-08-22 02:05:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 571.72 Mbit/s

95th percentile per-packet one-way delay: 37.084 ms

Loss rate: 0.10%

-- Flow 1:

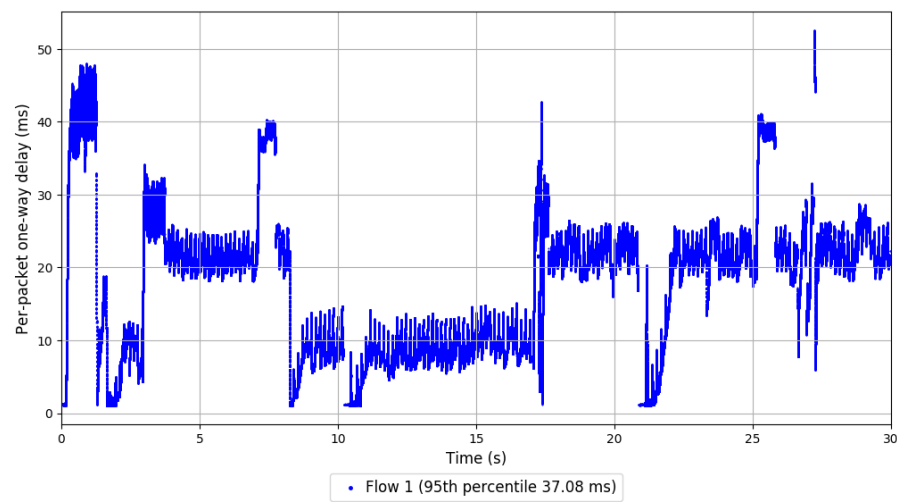
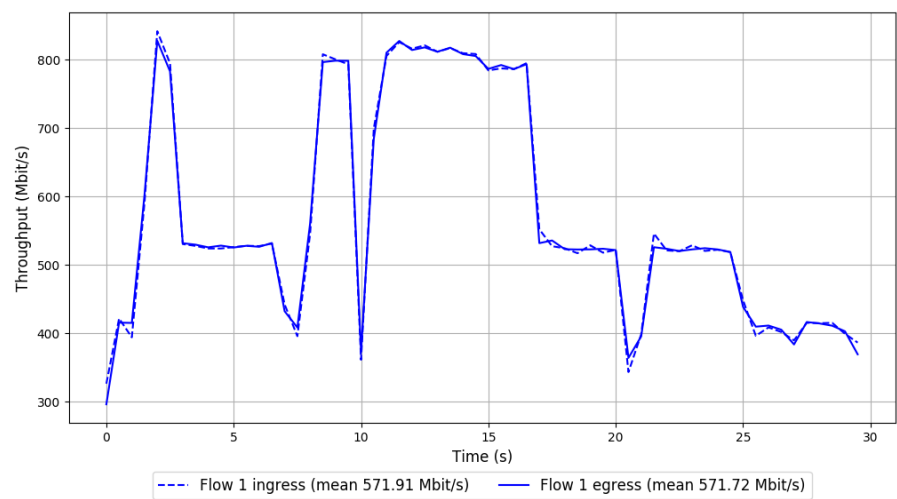
Average throughput: 571.72 Mbit/s

95th percentile per-packet one-way delay: 37.084 ms

Loss rate: 0.10%



Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2017-08-21 18:08:53

End at: 2017-08-21 18:09:23

Local clock offset: 0.418 ms

Remote clock offset: -3.52 ms

# Below is generated by plot.py at 2017-08-22 02:05:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 632.96 Mbit/s

95th percentile per-packet one-way delay: 27.953 ms

Loss rate: 0.12%

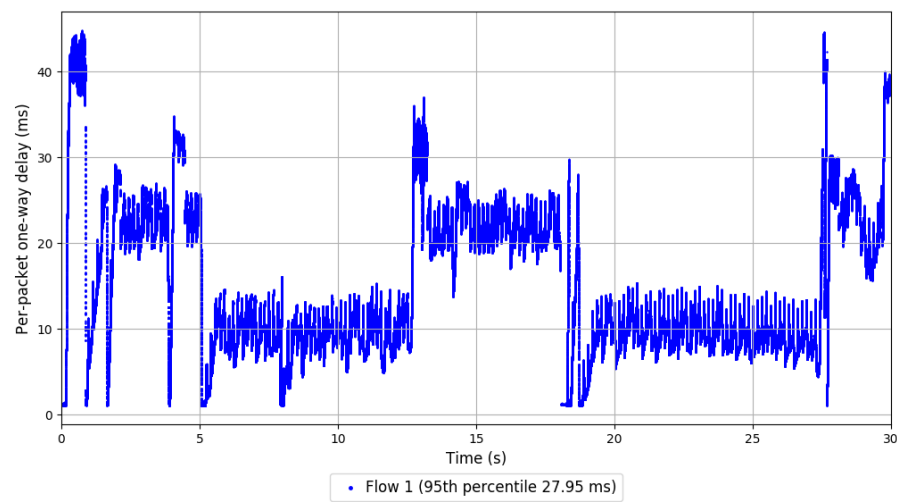
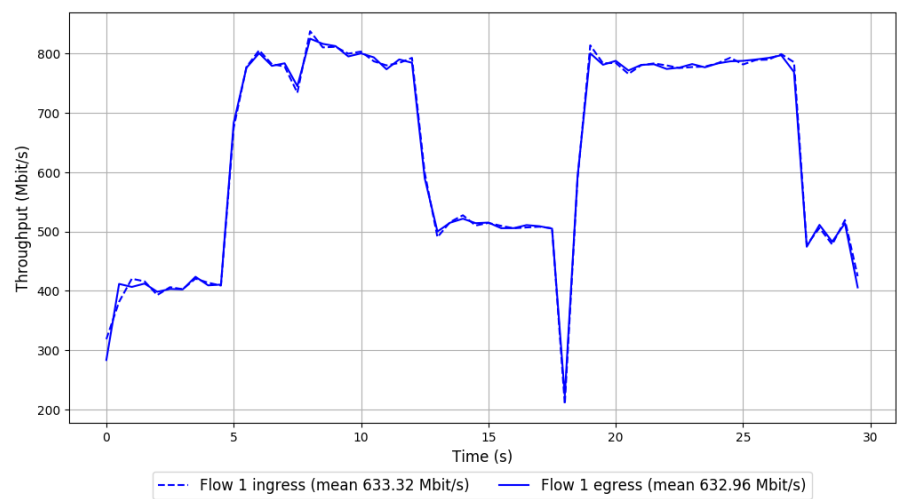
-- Flow 1:

Average throughput: 632.96 Mbit/s

95th percentile per-packet one-way delay: 27.953 ms

Loss rate: 0.12%

Run 2: Report of TCP BBR — Data Link

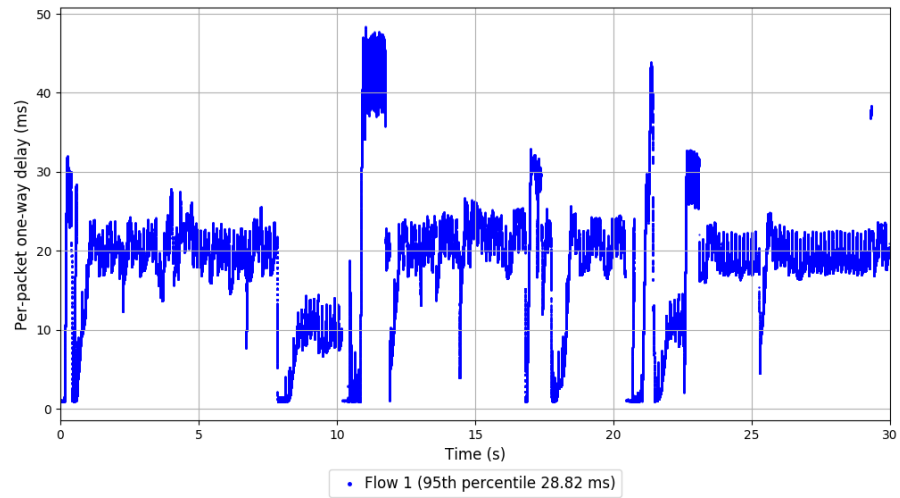
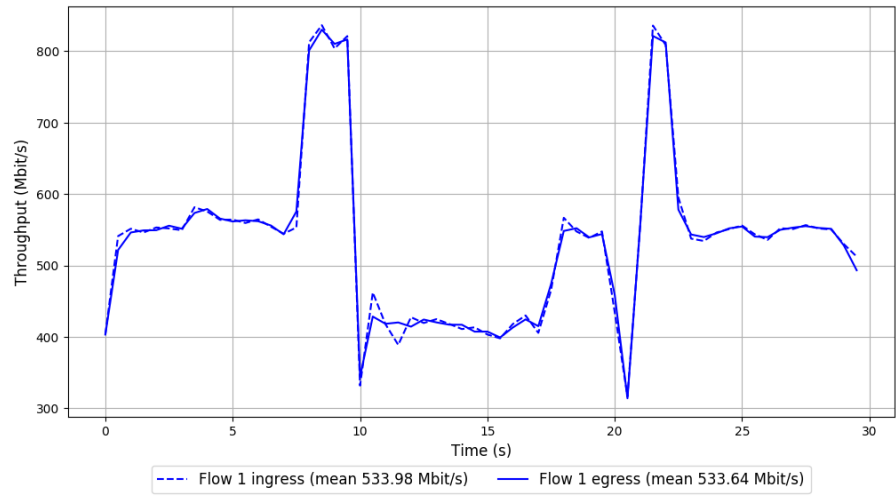


Run 3: Statistics of TCP BBR

Start at: 2017-08-21 18:29:47  
End at: 2017-08-21 18:30:17  
Local clock offset: 0.545 ms  
Remote clock offset: -3.307 ms

# Below is generated by plot.py at 2017-08-22 02:05:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 533.64 Mbit/s  
95th percentile per-packet one-way delay: 28.822 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 533.64 Mbit/s  
95th percentile per-packet one-way delay: 28.822 ms  
Loss rate: 0.13%

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

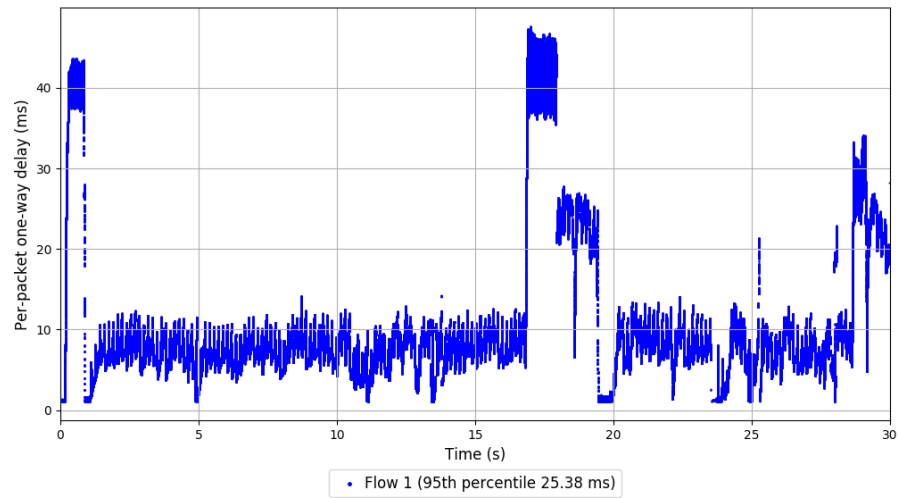
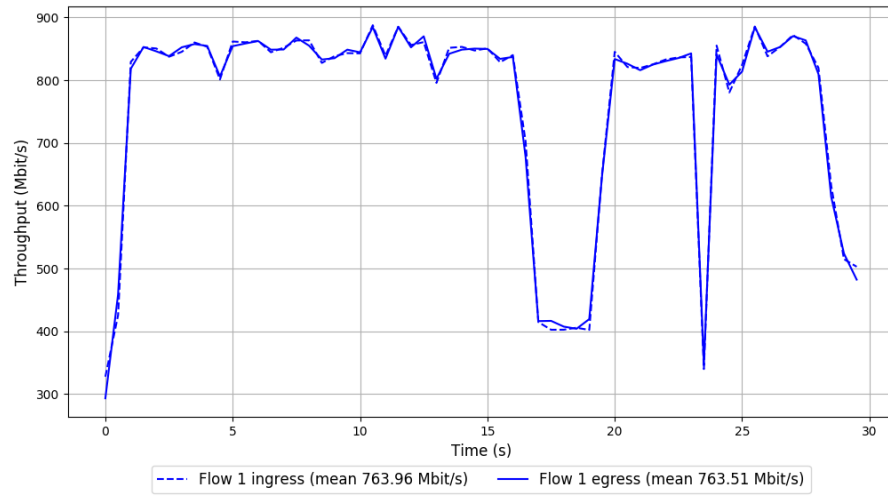


Run 4: Statistics of TCP BBR

Start at: 2017-08-21 18:50:36  
End at: 2017-08-21 18:51:06  
Local clock offset: 0.81 ms  
Remote clock offset: -3.095 ms

# Below is generated by plot.py at 2017-08-22 02:06:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 763.51 Mbit/s  
95th percentile per-packet one-way delay: 25.380 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 763.51 Mbit/s  
95th percentile per-packet one-way delay: 25.380 ms  
Loss rate: 0.10%

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



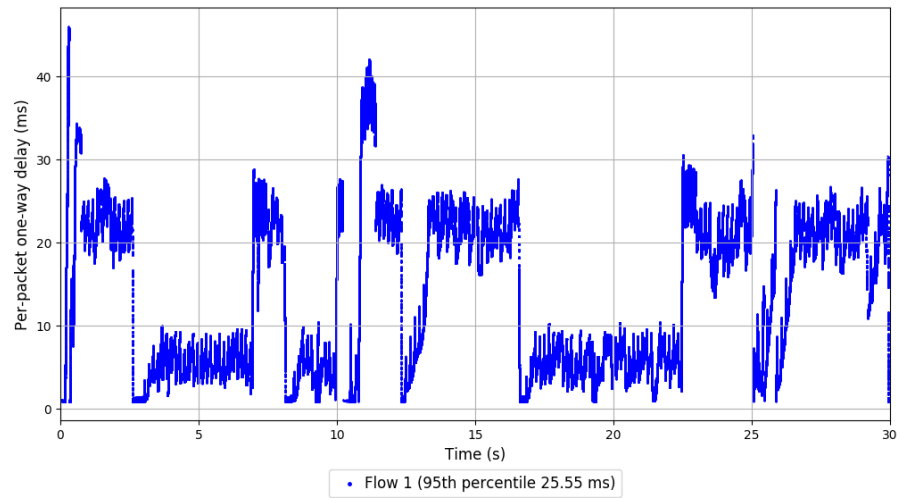
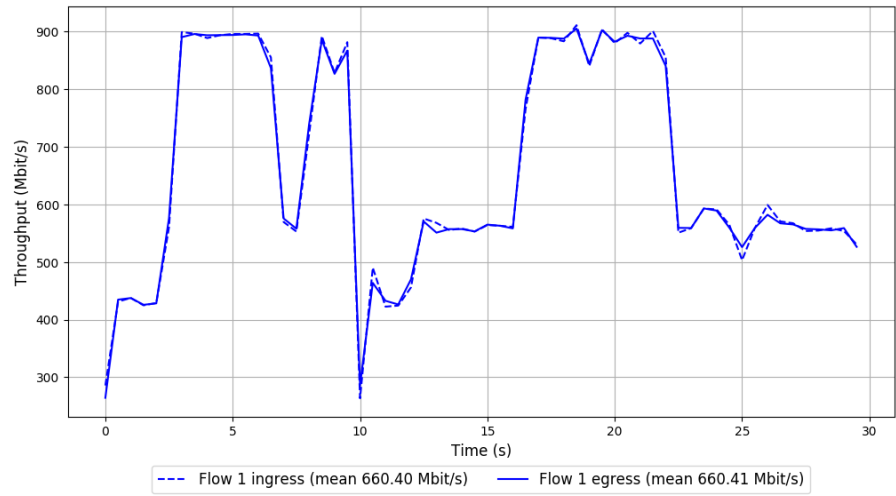
Run 5: Statistics of TCP BBR

Start at: 2017-08-21 19:11:22  
End at: 2017-08-21 19:11:52  
Local clock offset: 0.883 ms  
Remote clock offset: -2.687 ms

# Below is generated by plot.py at 2017-08-22 02:07:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 660.41 Mbit/s  
95th percentile per-packet one-way delay: 25.552 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 660.41 Mbit/s  
95th percentile per-packet one-way delay: 25.552 ms  
Loss rate: 0.06%



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



Run 6: Statistics of TCP BBR

Start at: 2017-08-21 19:32:15

End at: 2017-08-21 19:32:45

Local clock offset: 1.013 ms

Remote clock offset: -2.676 ms

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

# Datalink statistics

-- Total of 1 flow:

Average throughput: 725.82 Mbit/s

95th percentile per-packet one-way delay: 23.968 ms

Loss rate: 0.11%

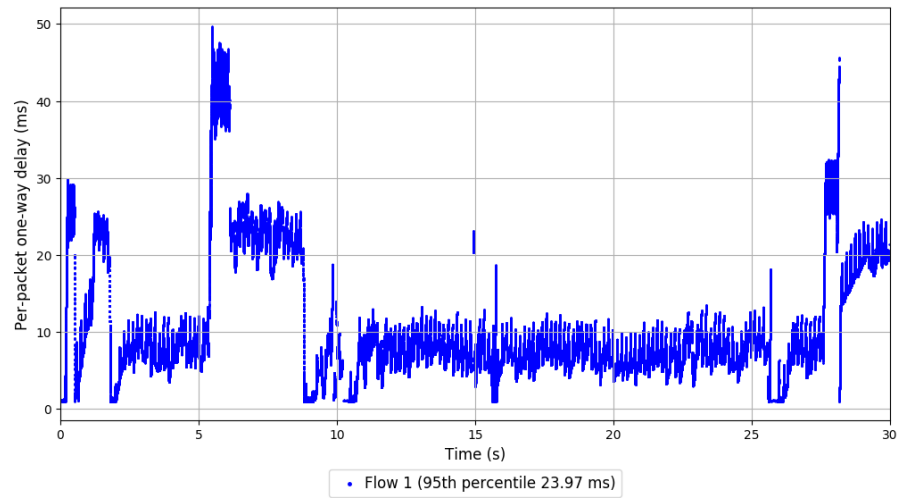
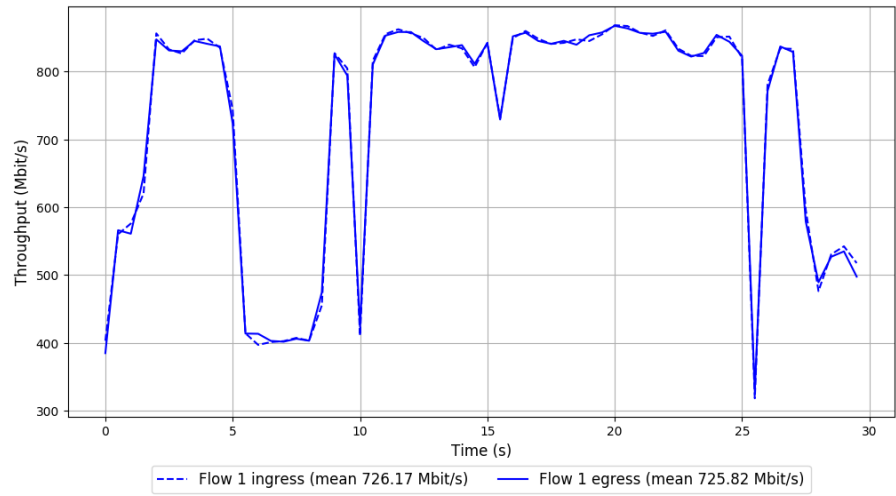
-- Flow 1:

Average throughput: 725.82 Mbit/s

95th percentile per-packet one-way delay: 23.968 ms

Loss rate: 0.11%

# Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: 2017-08-21 19:52:56

End at: 2017-08-21 19:53:26

Local clock offset: 1.031 ms

Remote clock offset: -2.593 ms

# Below is generated by plot.py at 2017-08-22 02:08:53

# Datalink statistics

-- Total of 1 flow:

Average throughput: 677.41 Mbit/s

95th percentile per-packet one-way delay: 22.821 ms

Loss rate: 0.11%

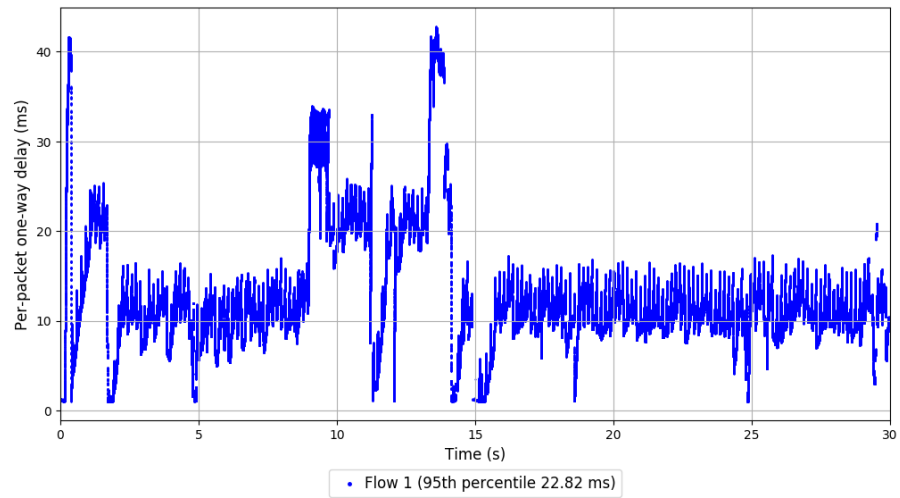
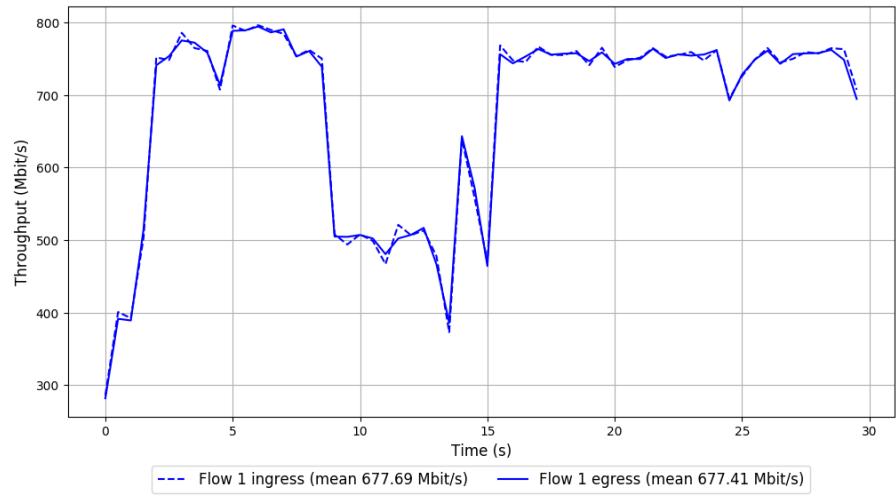
-- Flow 1:

Average throughput: 677.41 Mbit/s

95th percentile per-packet one-way delay: 22.821 ms

Loss rate: 0.11%

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

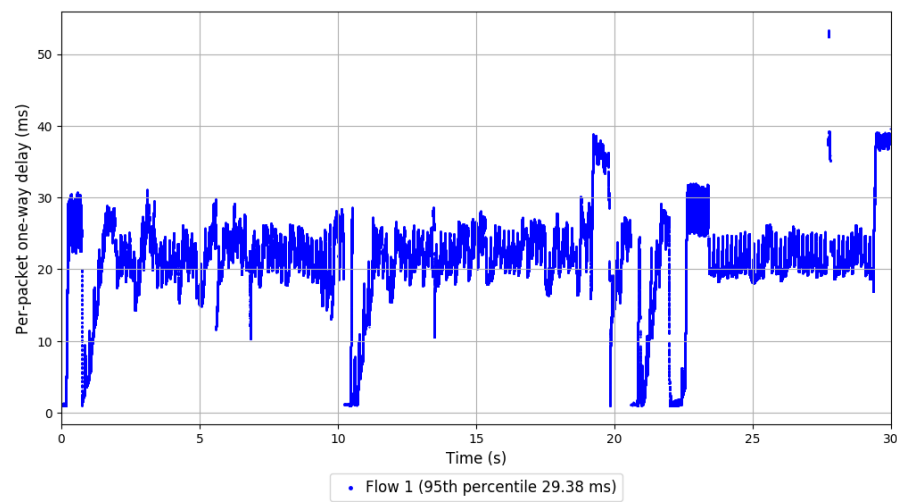
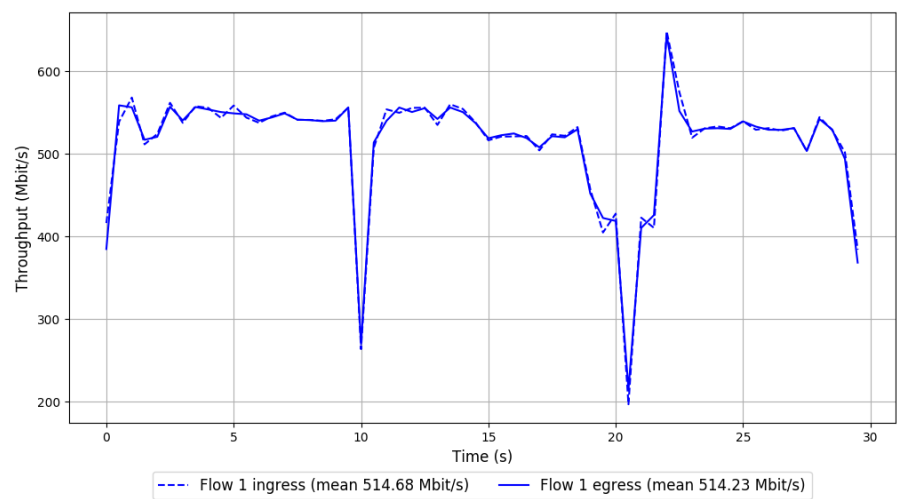


Run 8: Statistics of TCP BBR

Start at: 2017-08-21 20:13:40  
End at: 2017-08-21 20:14:10  
Local clock offset: 0.659 ms  
Remote clock offset: -2.553 ms

# Below is generated by plot.py at 2017-08-22 02:09:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 514.23 Mbit/s  
95th percentile per-packet one-way delay: 29.379 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 514.23 Mbit/s  
95th percentile per-packet one-way delay: 29.379 ms  
Loss rate: 0.15%

Run 8: Report of TCP BBR — Data Link



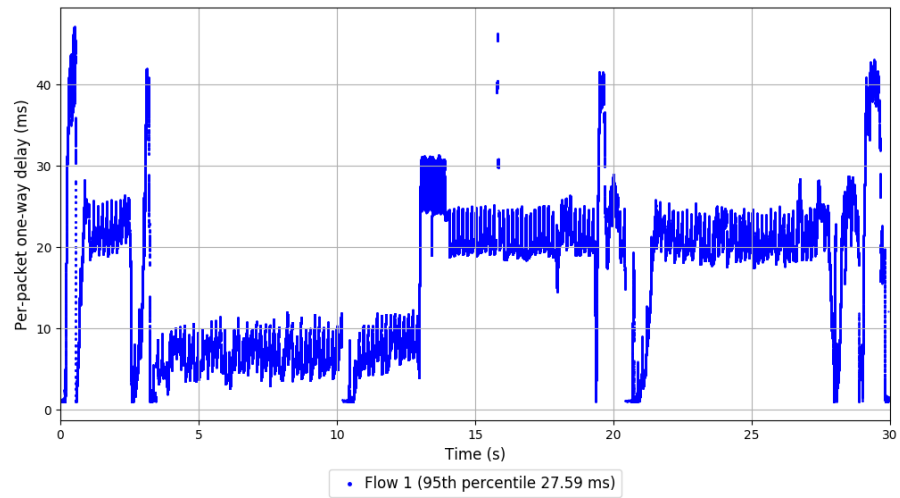
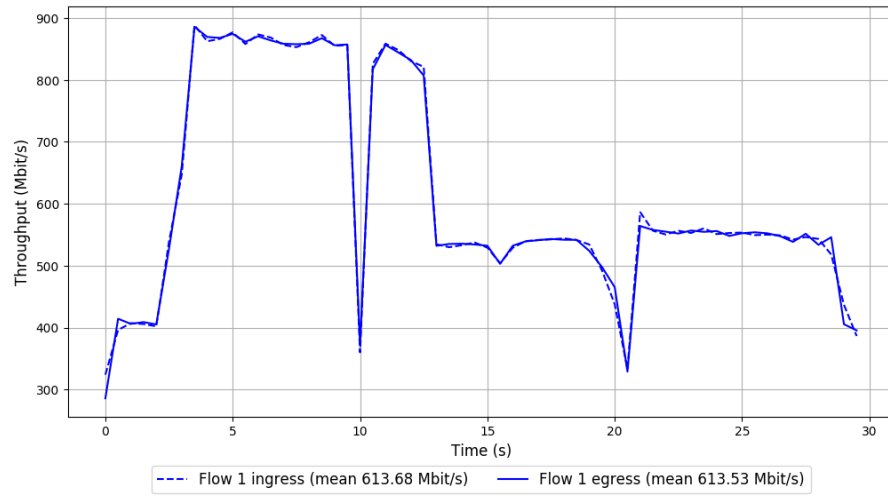
Run 9: Statistics of TCP BBR

Start at: 2017-08-21 20:34:33  
End at: 2017-08-21 20:35:03  
Local clock offset: 0.505 ms  
Remote clock offset: -2.044 ms

# Below is generated by plot.py at 2017-08-22 02:10:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 613.53 Mbit/s  
95th percentile per-packet one-way delay: 27.585 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 613.53 Mbit/s  
95th percentile per-packet one-way delay: 27.585 ms  
Loss rate: 0.07%



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

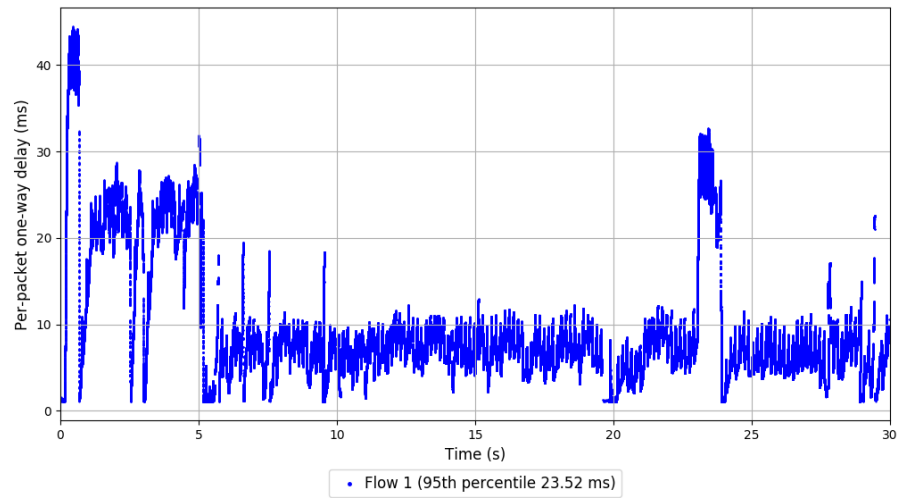
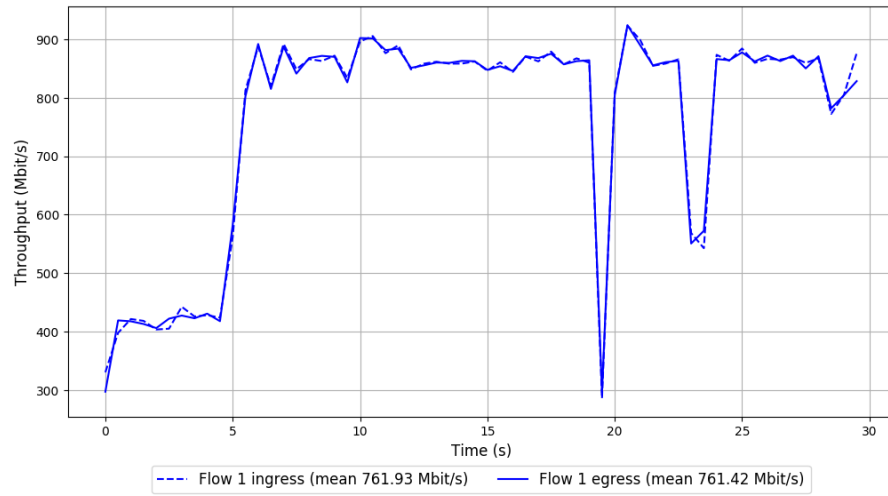


Run 10: Statistics of TCP BBR

Start at: 2017-08-21 20:55:17  
End at: 2017-08-21 20:55:47  
Local clock offset: 0.577 ms  
Remote clock offset: -1.915 ms

# Below is generated by plot.py at 2017-08-22 02:11:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 761.42 Mbit/s  
95th percentile per-packet one-way delay: 23.523 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 761.42 Mbit/s  
95th percentile per-packet one-way delay: 23.523 ms  
Loss rate: 0.13%

# Run 10: Report of TCP BBR — Data Link

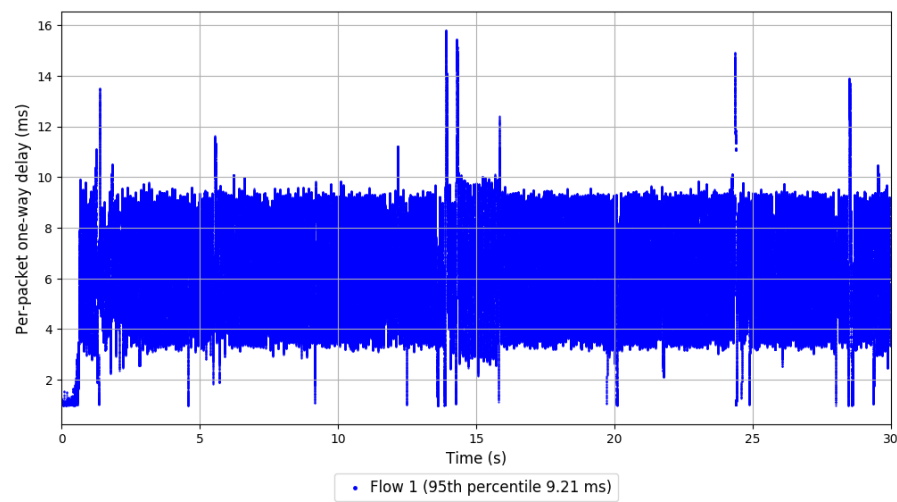
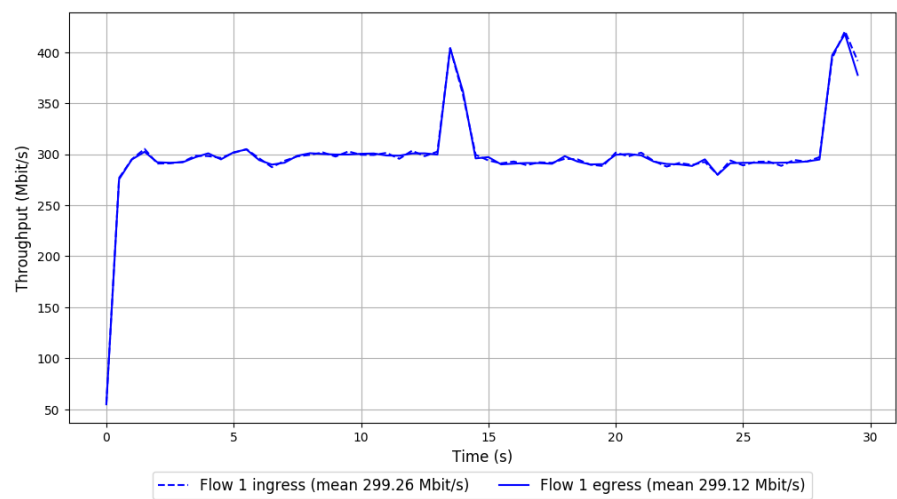


Run 1: Statistics of CalibratedKoho

Start at: 2017-08-21 18:05:00  
End at: 2017-08-21 18:05:30  
Local clock offset: 0.418 ms  
Remote clock offset: -3.537 ms

# Below is generated by plot.py at 2017-08-22 02:11:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 299.12 Mbit/s  
95th percentile per-packet one-way delay: 9.213 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 299.12 Mbit/s  
95th percentile per-packet one-way delay: 9.213 ms  
Loss rate: 0.11%

Run 1: Report of CalibratedKoho — Data Link

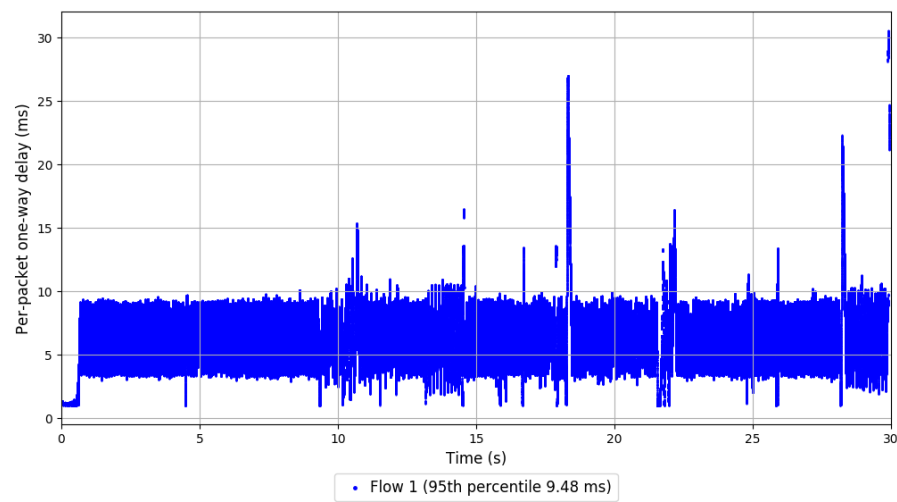
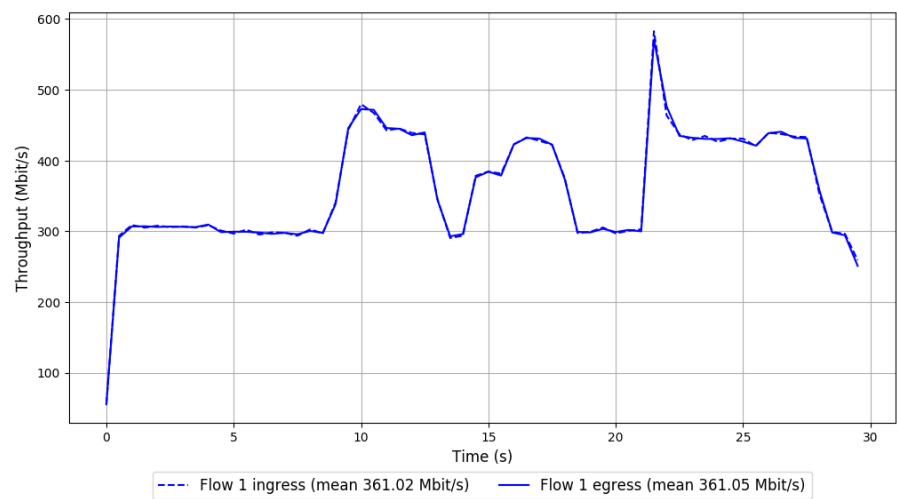


Run 2: Statistics of CalibratedKoho

Start at: 2017-08-21 18:25:50  
End at: 2017-08-21 18:26:20  
Local clock offset: 0.6 ms  
Remote clock offset: -3.338 ms

# Below is generated by plot.py at 2017-08-22 02:11:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 361.05 Mbit/s  
95th percentile per-packet one-way delay: 9.485 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 361.05 Mbit/s  
95th percentile per-packet one-way delay: 9.485 ms  
Loss rate: 0.06%

Run 2: Report of CalibratedKoho — Data Link



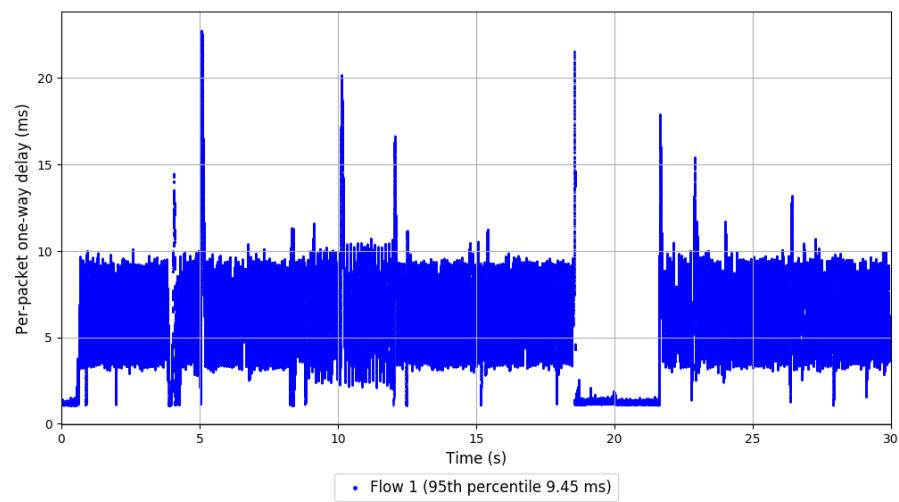
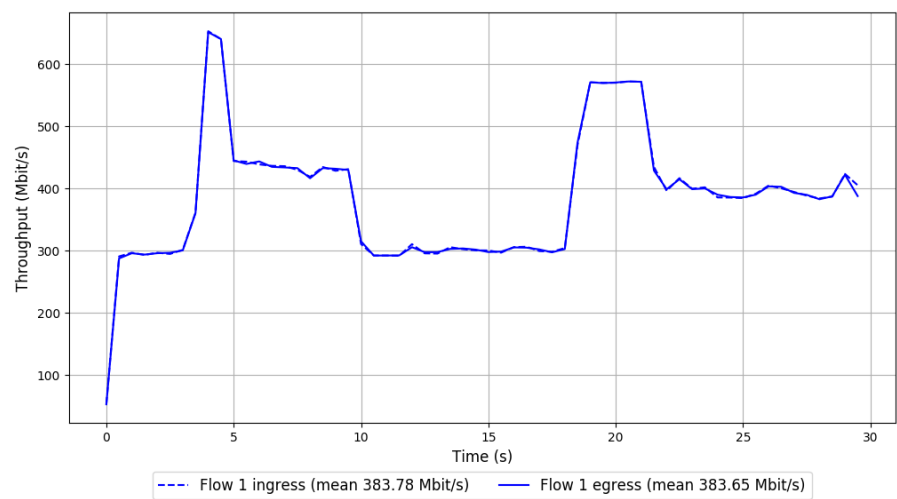
Run 3: Statistics of CalibratedKoho

Start at: 2017-08-21 18:46:38  
End at: 2017-08-21 18:47:08  
Local clock offset: 0.788 ms  
Remote clock offset: -3.193 ms

# Below is generated by plot.py at 2017-08-22 02:11:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 383.65 Mbit/s  
95th percentile per-packet one-way delay: 9.454 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 383.65 Mbit/s  
95th percentile per-packet one-way delay: 9.454 ms  
Loss rate: 0.10%



Run 3: Report of CalibratedKoho — Data Link

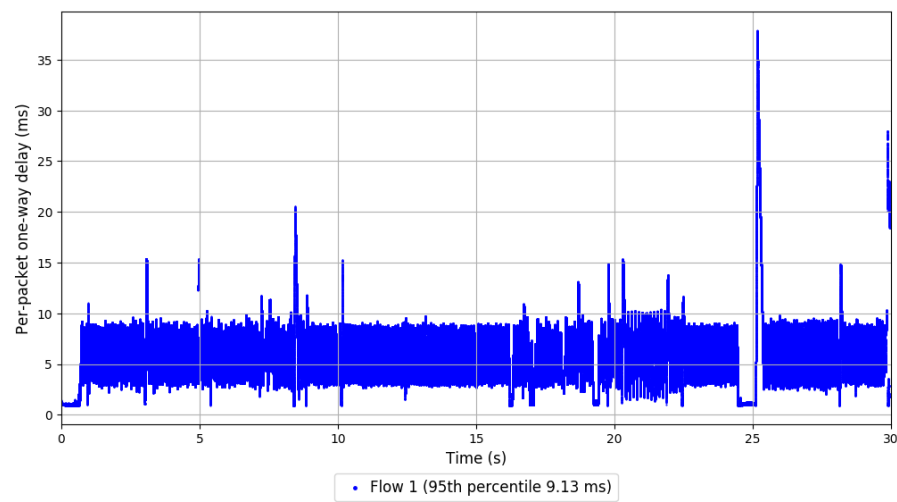
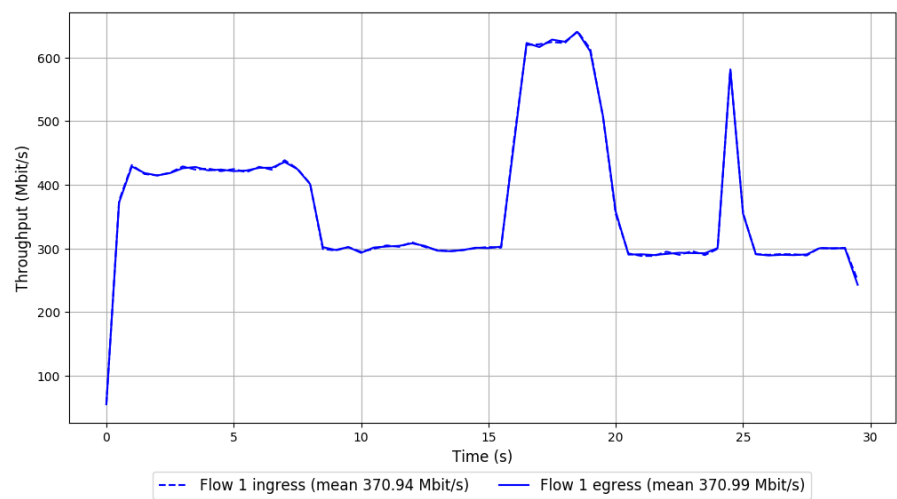


Run 4: Statistics of CalibratedKoho

Start at: 2017-08-21 19:07:25  
End at: 2017-08-21 19:07:55  
Local clock offset: 0.84 ms  
Remote clock offset: -2.705 ms

# Below is generated by plot.py at 2017-08-22 02:12:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 370.99 Mbit/s  
95th percentile per-packet one-way delay: 9.134 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 370.99 Mbit/s  
95th percentile per-packet one-way delay: 9.134 ms  
Loss rate: 0.05%

Run 4: Report of CalibratedKoho — Data Link

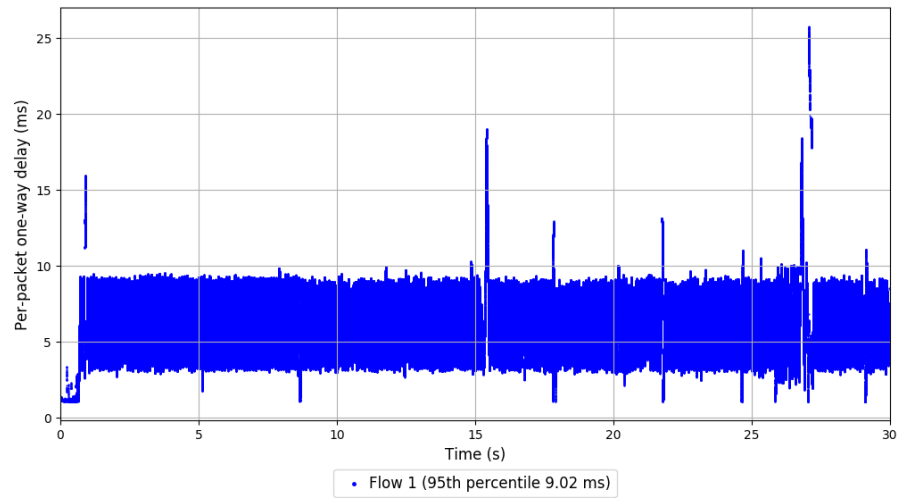
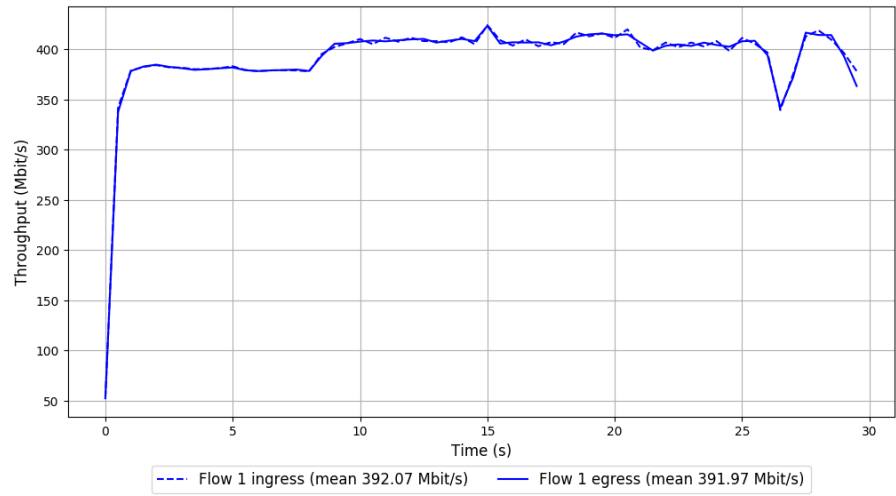


Run 5: Statistics of CalibratedKoho

Start at: 2017-08-21 19:28:17  
End at: 2017-08-21 19:28:47  
Local clock offset: 1.098 ms  
Remote clock offset: -2.672 ms

# Below is generated by plot.py at 2017-08-22 02:12:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 391.97 Mbit/s  
95th percentile per-packet one-way delay: 9.016 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 391.97 Mbit/s  
95th percentile per-packet one-way delay: 9.016 ms  
Loss rate: 0.09%

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

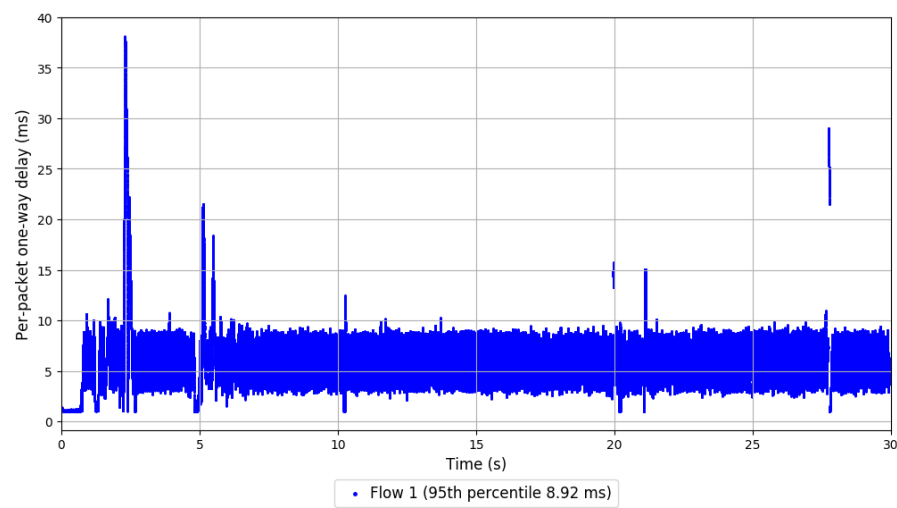
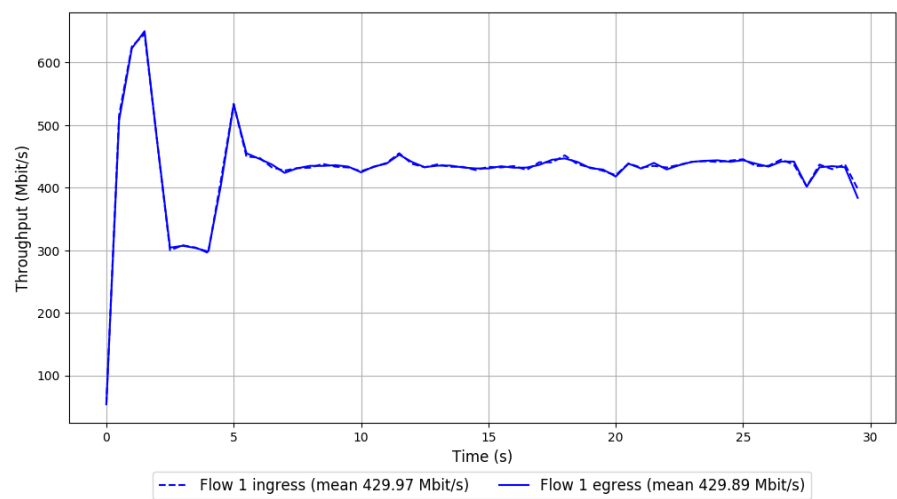


Run 6: Statistics of CalibratedKoho

Start at: 2017-08-21 19:48:56  
End at: 2017-08-21 19:49:26  
Local clock offset: 0.958 ms  
Remote clock offset: -2.642 ms

# Below is generated by plot.py at 2017-08-22 02:13:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 429.89 Mbit/s  
95th percentile per-packet one-way delay: 8.923 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 429.89 Mbit/s  
95th percentile per-packet one-way delay: 8.923 ms  
Loss rate: 0.08%

Run 6: Report of CalibratedKoho — Data Link



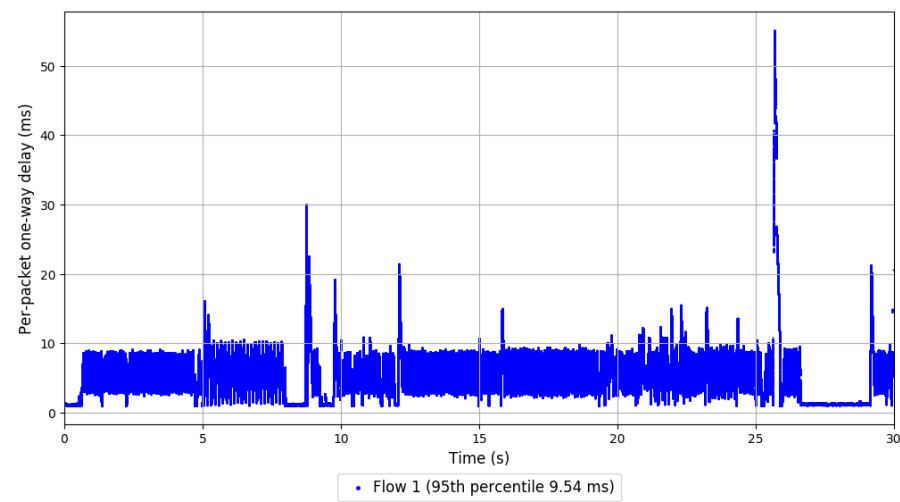
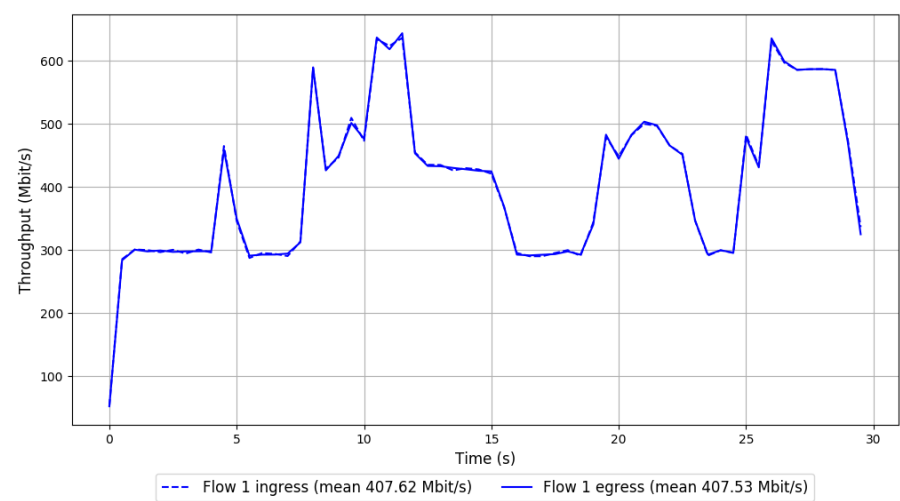
Run 7: Statistics of CalibratedKoho

Start at: 2017-08-21 20:09:41  
End at: 2017-08-21 20:10:11  
Local clock offset: 0.793 ms  
Remote clock offset: -2.624 ms

# Below is generated by plot.py at 2017-08-22 02:13:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 407.53 Mbit/s  
95th percentile per-packet one-way delay: 9.535 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 407.53 Mbit/s  
95th percentile per-packet one-way delay: 9.535 ms  
Loss rate: 0.07%



Run 7: Report of CalibratedKoho — Data Link

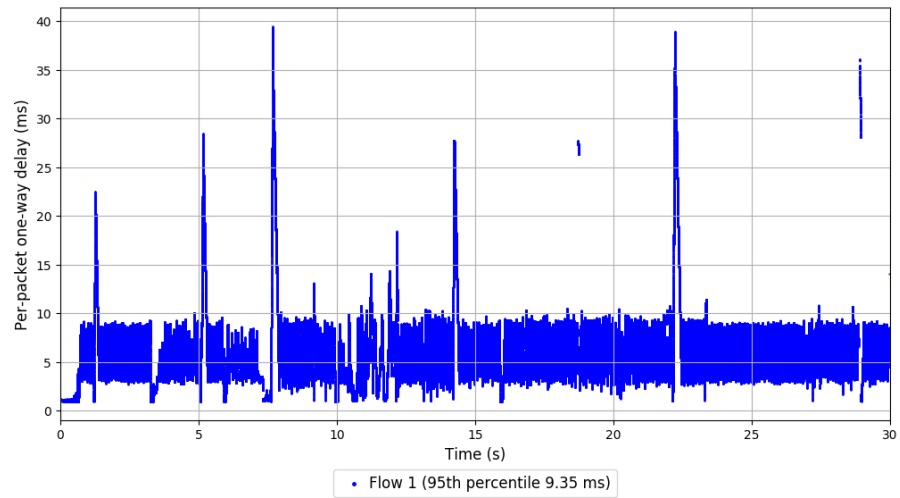
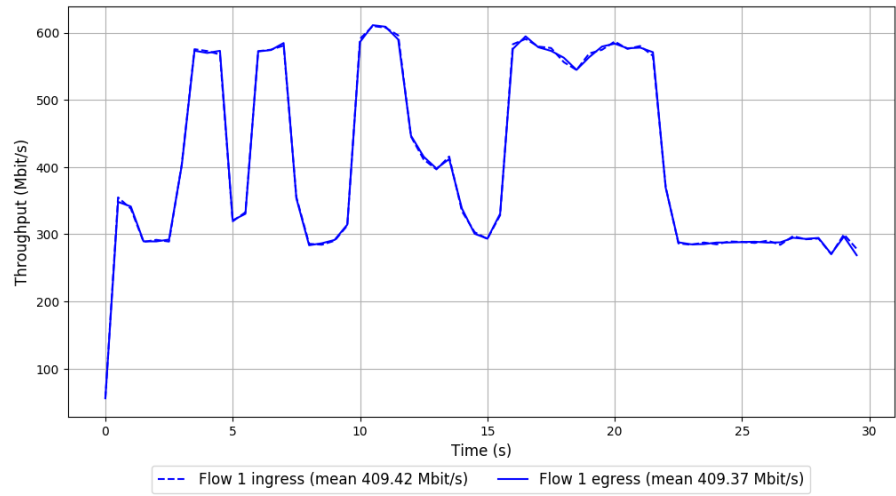


Run 8: Statistics of CalibratedKoho

Start at: 2017-08-21 20:30:34  
End at: 2017-08-21 20:31:04  
Local clock offset: 0.499 ms  
Remote clock offset: -2.109 ms

# Below is generated by plot.py at 2017-08-22 02:14:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 409.37 Mbit/s  
95th percentile per-packet one-way delay: 9.352 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 409.37 Mbit/s  
95th percentile per-packet one-way delay: 9.352 ms  
Loss rate: 0.06%

## Run 8: Report of CalibratedKoho — Data Link

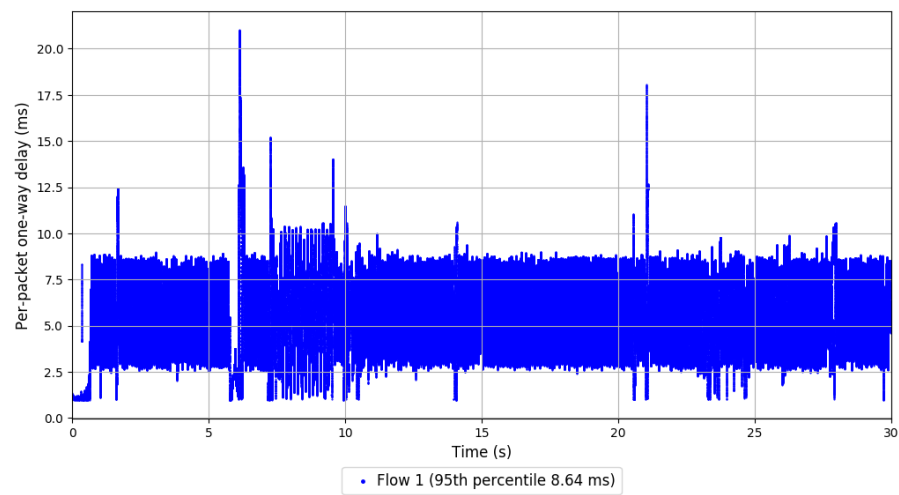
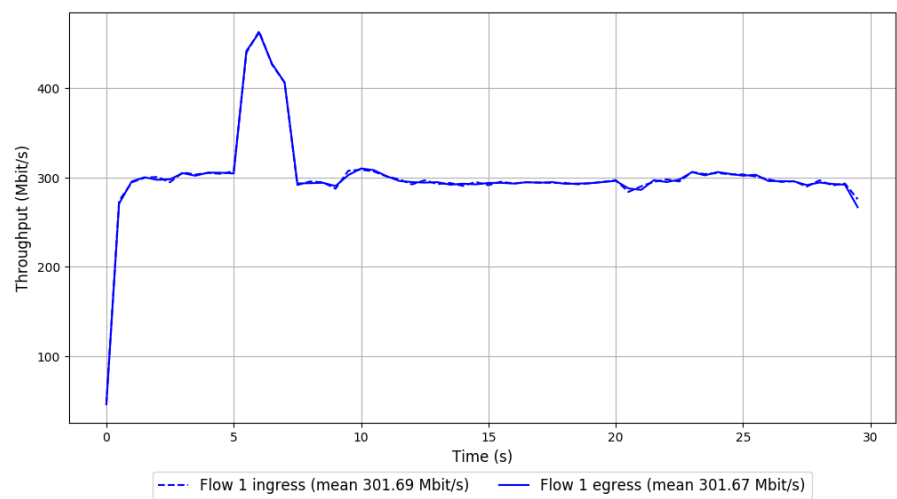


Run 9: Statistics of CalibratedKoho

Start at: 2017-08-21 20:51:25  
End at: 2017-08-21 20:51:55  
Local clock offset: 0.492 ms  
Remote clock offset: -1.858 ms

# Below is generated by plot.py at 2017-08-22 02:14:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 301.67 Mbit/s  
95th percentile per-packet one-way delay: 8.643 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 301.67 Mbit/s  
95th percentile per-packet one-way delay: 8.643 ms  
Loss rate: 0.07%

Run 9: Report of CalibratedKoho — Data Link

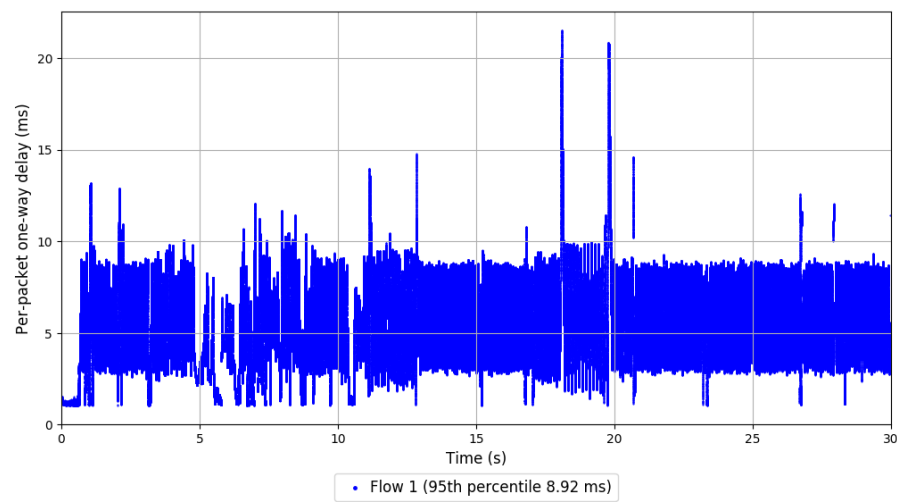
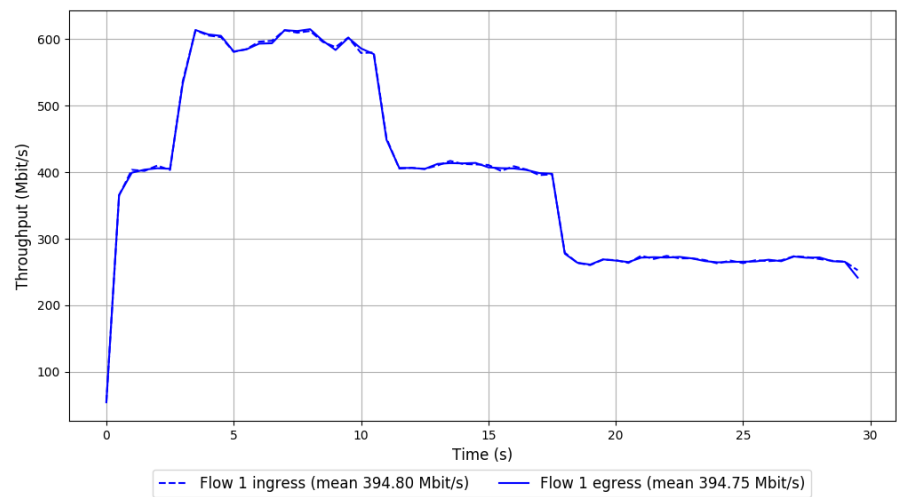


Run 10: Statistics of CalibratedKoho

Start at: 2017-08-21 21:12:19  
End at: 2017-08-21 21:12:49  
Local clock offset: 0.527 ms  
Remote clock offset: -1.932 ms

# Below is generated by plot.py at 2017-08-22 02:15:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 394.75 Mbit/s  
95th percentile per-packet one-way delay: 8.919 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 394.75 Mbit/s  
95th percentile per-packet one-way delay: 8.919 ms  
Loss rate: 0.06%

Run 10: Report of CalibratedKoho — Data Link



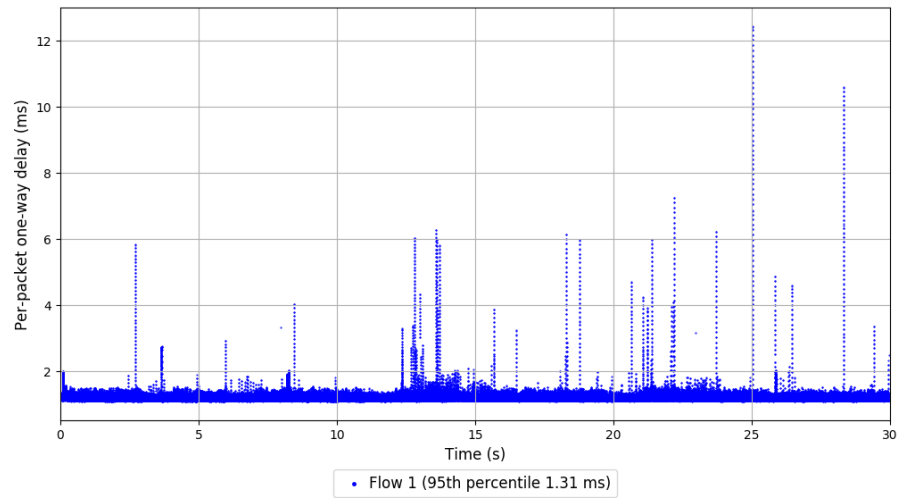
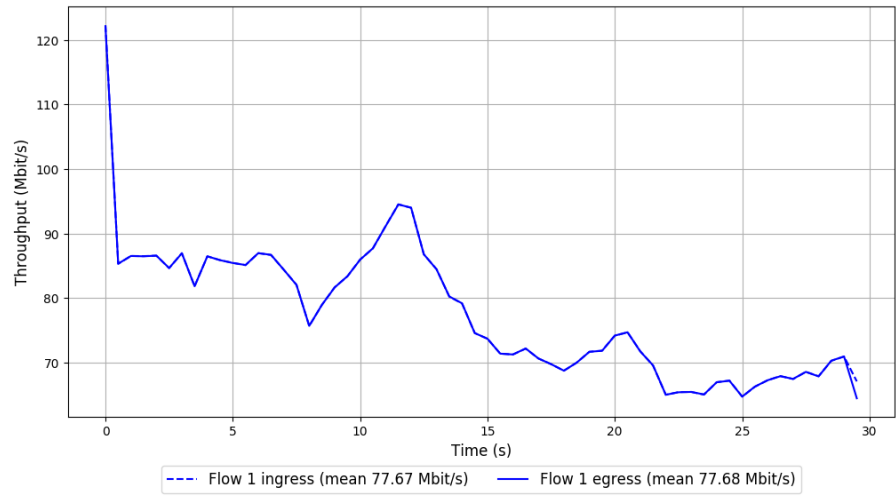
Run 1: Statistics of Copa

Start at: 2017-08-21 17:49:47  
End at: 2017-08-21 17:50:17  
Local clock offset: 0.49 ms  
Remote clock offset: -3.694 ms

# Below is generated by plot.py at 2017-08-22 02:15:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.68 Mbit/s  
95th percentile per-packet one-way delay: 1.311 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 77.68 Mbit/s  
95th percentile per-packet one-way delay: 1.311 ms  
Loss rate: 0.06%



## Run 1: Report of Copa — Data Link

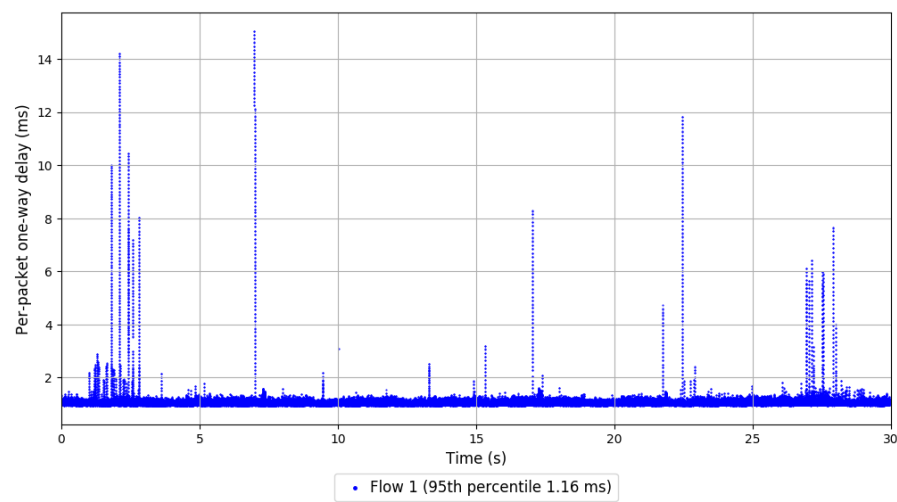
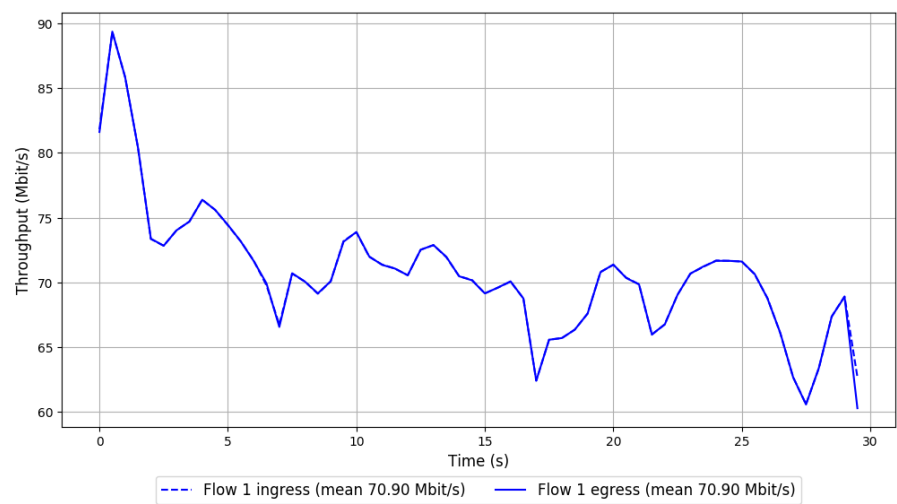


Run 2: Statistics of Copa

Start at: 2017-08-21 18:10:33  
End at: 2017-08-21 18:11:03  
Local clock offset: 0.414 ms  
Remote clock offset: -3.448 ms

# Below is generated by plot.py at 2017-08-22 02:15:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.90 Mbit/s  
95th percentile per-packet one-way delay: 1.156 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 70.90 Mbit/s  
95th percentile per-packet one-way delay: 1.156 ms  
Loss rate: 0.06%

Run 2: Report of Copa — Data Link

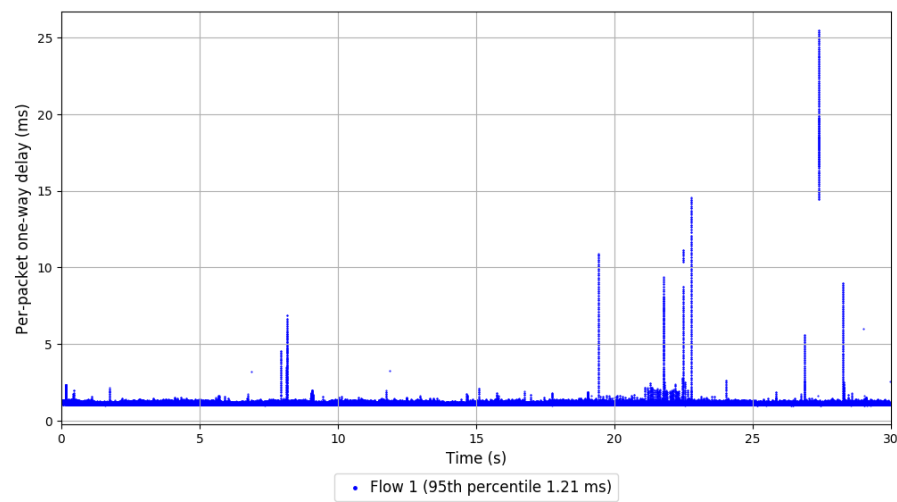
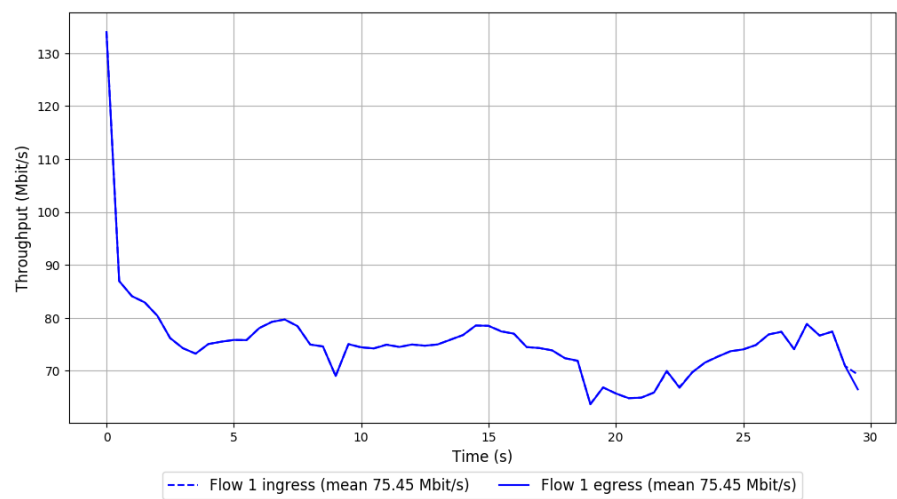


Run 3: Statistics of Copa

Start at: 2017-08-21 18:31:22  
End at: 2017-08-21 18:31:52  
Local clock offset: 0.668 ms  
Remote clock offset: -3.337 ms

# Below is generated by plot.py at 2017-08-22 02:15:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 75.45 Mbit/s  
95th percentile per-packet one-way delay: 1.209 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 75.45 Mbit/s  
95th percentile per-packet one-way delay: 1.209 ms  
Loss rate: 0.07%

Run 3: Report of Copa — Data Link

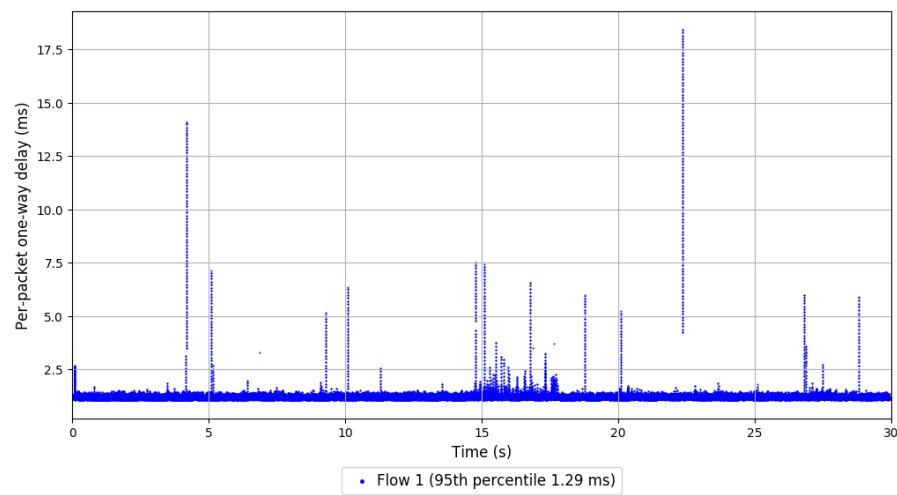
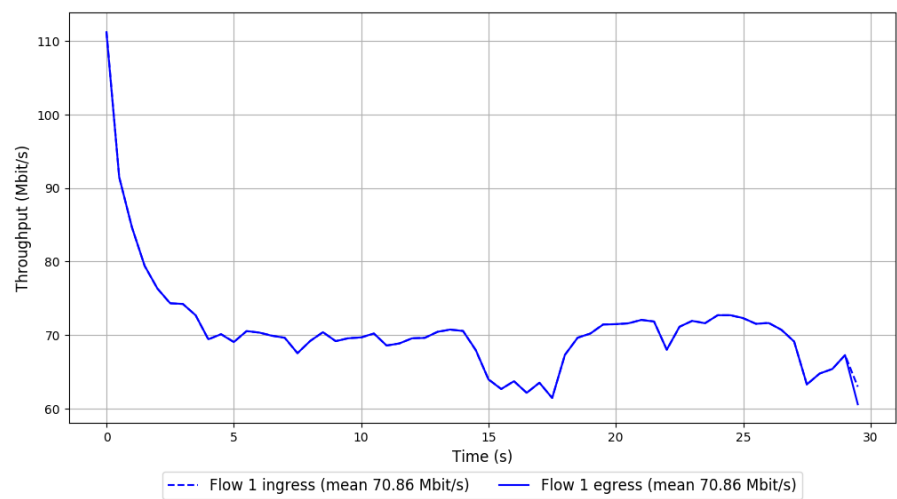


Run 4: Statistics of Copa

Start at: 2017-08-21 18:52:23  
End at: 2017-08-21 18:52:53  
Local clock offset: 0.825 ms  
Remote clock offset: -3.061 ms

# Below is generated by plot.py at 2017-08-22 02:15:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.86 Mbit/s  
95th percentile per-packet one-way delay: 1.288 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 70.86 Mbit/s  
95th percentile per-packet one-way delay: 1.288 ms  
Loss rate: 0.06%

Run 4: Report of Copa — Data Link



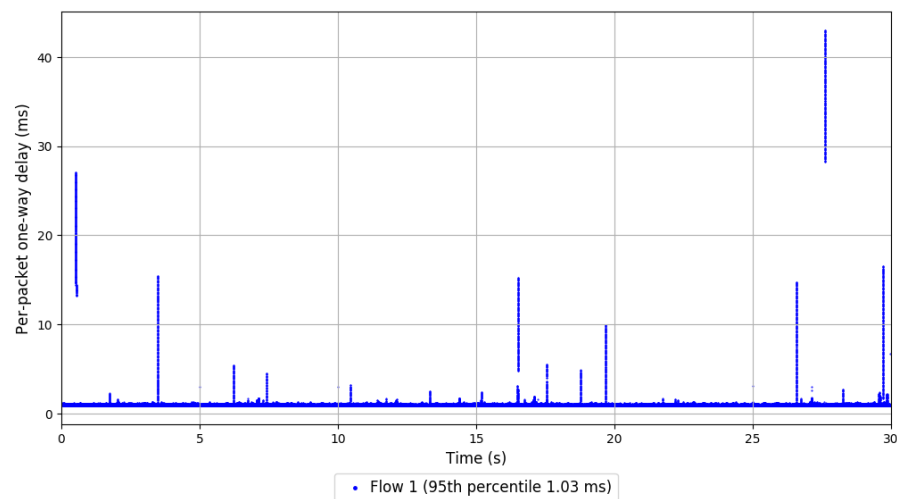
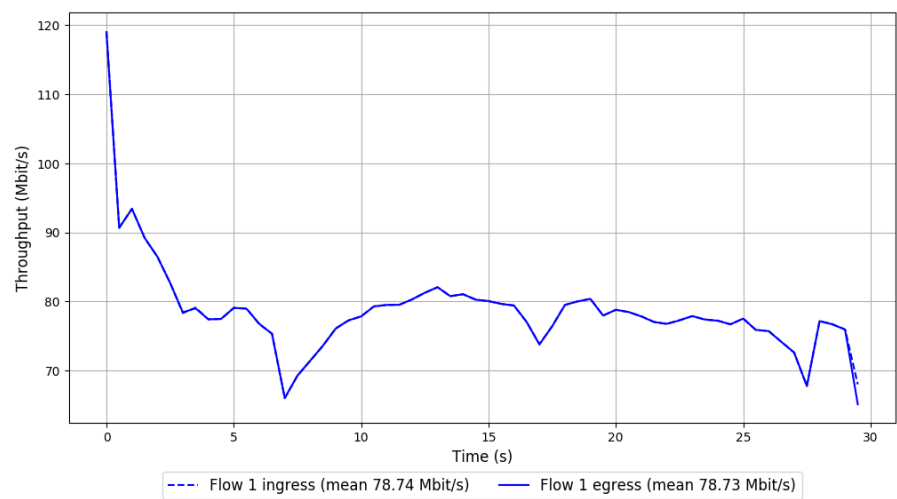
Run 5: Statistics of Copa

Start at: 2017-08-21 19:13:04  
End at: 2017-08-21 19:13:34  
Local clock offset: 0.913 ms  
Remote clock offset: -2.692 ms

# Below is generated by plot.py at 2017-08-22 02:15:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.73 Mbit/s  
95th percentile per-packet one-way delay: 1.031 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 78.73 Mbit/s  
95th percentile per-packet one-way delay: 1.031 ms  
Loss rate: 0.06%



Run 5: Report of Copa — Data Link

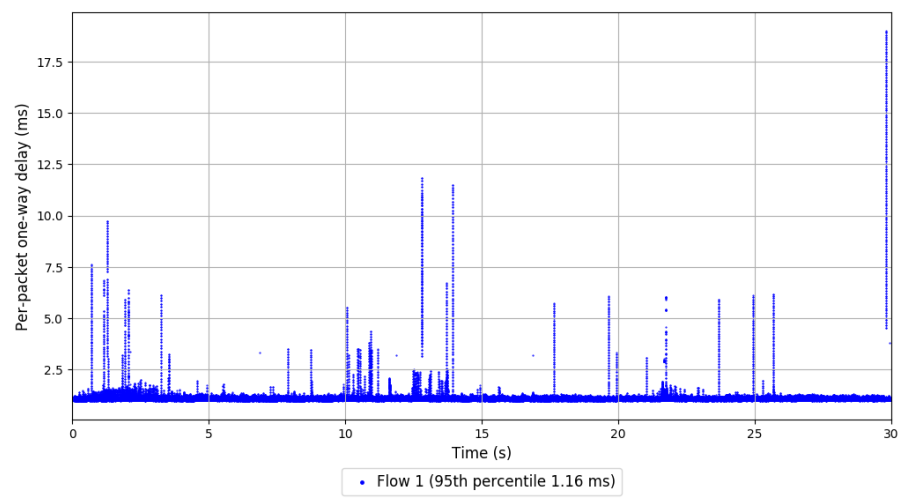
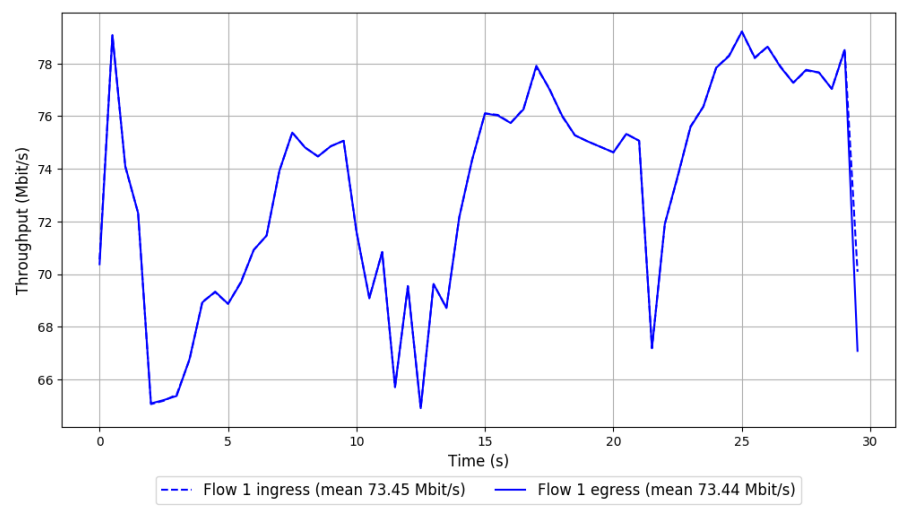


Run 6: Statistics of Copa

Start at: 2017-08-21 19:33:59  
End at: 2017-08-21 19:34:29  
Local clock offset: 1.023 ms  
Remote clock offset: -2.705 ms

# Below is generated by plot.py at 2017-08-22 02:15:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 73.44 Mbit/s  
95th percentile per-packet one-way delay: 1.159 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 73.44 Mbit/s  
95th percentile per-packet one-way delay: 1.159 ms  
Loss rate: 0.07%

Run 6: Report of Copa — Data Link

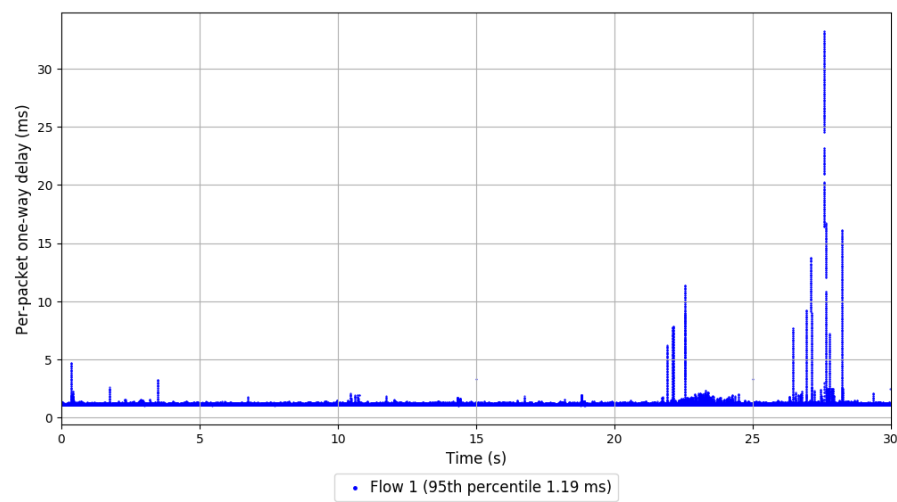
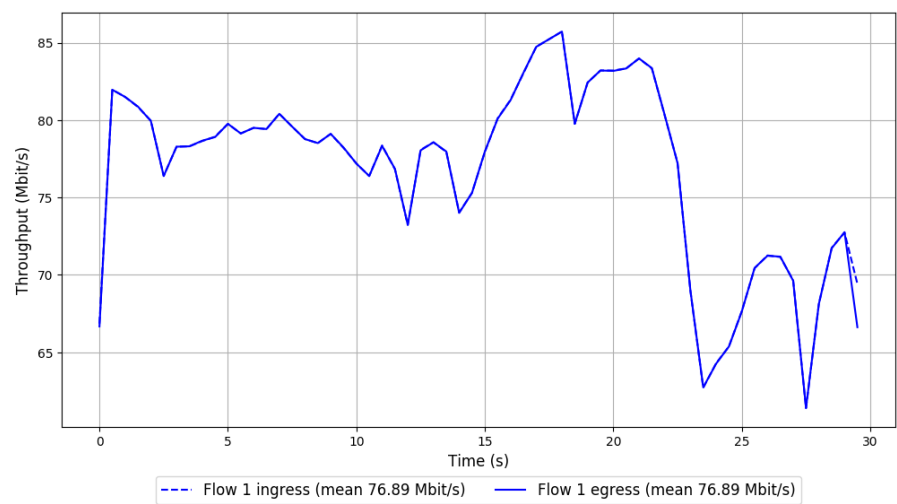


Run 7: Statistics of Copa

Start at: 2017-08-21 19:54:38  
End at: 2017-08-21 19:55:08  
Local clock offset: 1.013 ms  
Remote clock offset: -2.662 ms

# Below is generated by plot.py at 2017-08-22 02:16:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.89 Mbit/s  
95th percentile per-packet one-way delay: 1.194 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 76.89 Mbit/s  
95th percentile per-packet one-way delay: 1.194 ms  
Loss rate: 0.06%

Run 7: Report of Copa — Data Link

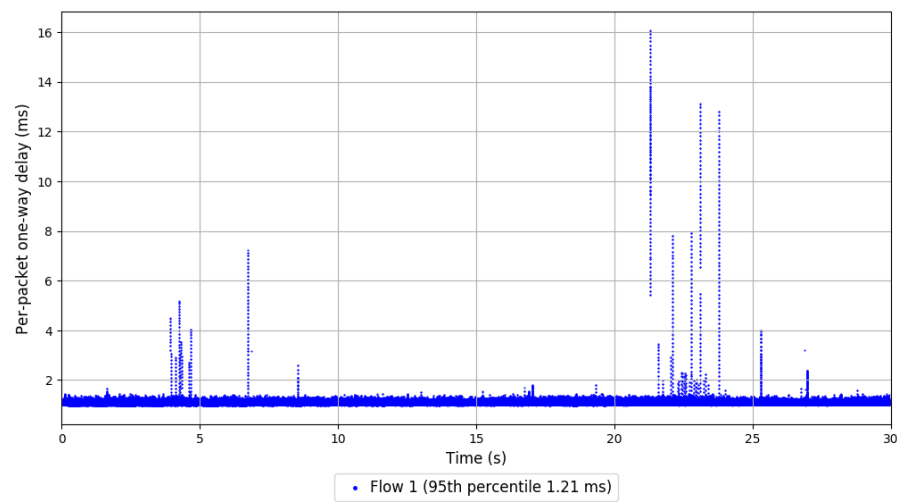
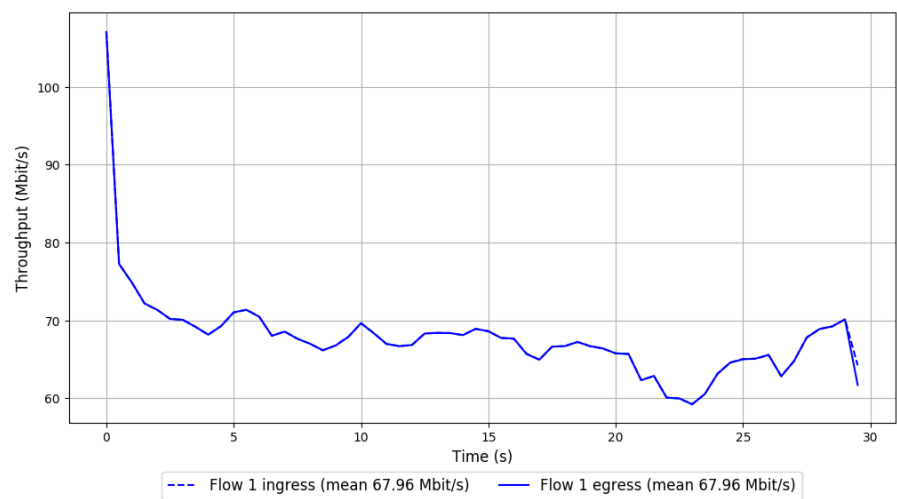


Run 8: Statistics of Copa

Start at: 2017-08-21 20:15:14  
End at: 2017-08-21 20:15:44  
Local clock offset: 0.731 ms  
Remote clock offset: -2.441 ms

# Below is generated by plot.py at 2017-08-22 02:16:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 67.96 Mbit/s  
95th percentile per-packet one-way delay: 1.207 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 67.96 Mbit/s  
95th percentile per-packet one-way delay: 1.207 ms  
Loss rate: 0.07%

Run 8: Report of Copa — Data Link



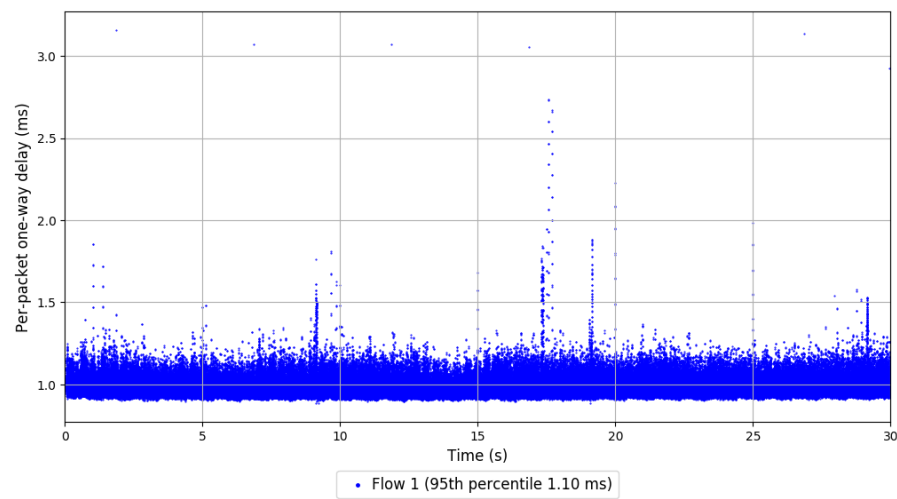
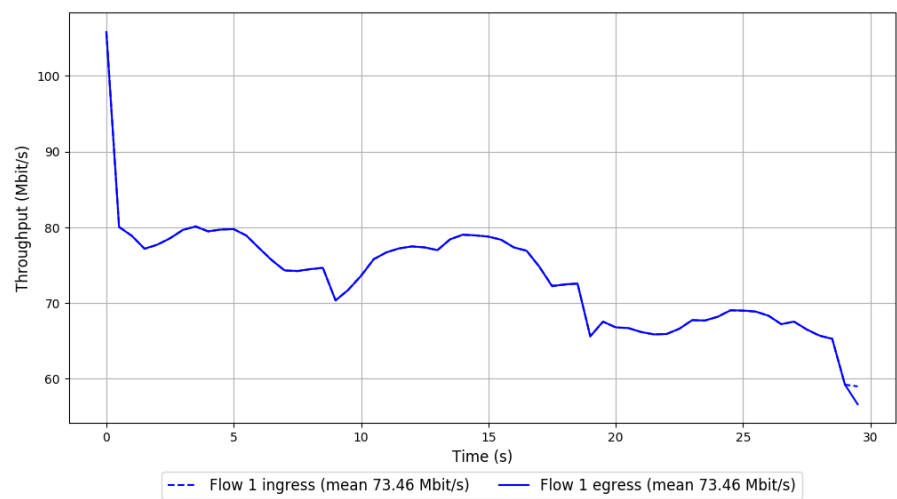
Run 9: Statistics of Copa

Start at: 2017-08-21 20:36:12  
End at: 2017-08-21 20:36:42  
Local clock offset: 0.491 ms  
Remote clock offset: -1.975 ms

# Below is generated by plot.py at 2017-08-22 02:16:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 73.46 Mbit/s  
95th percentile per-packet one-way delay: 1.096 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 73.46 Mbit/s  
95th percentile per-packet one-way delay: 1.096 ms  
Loss rate: 0.06%



Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2017-08-21 20:57:04

End at: 2017-08-21 20:57:34

Local clock offset: 0.554 ms

Remote clock offset: -1.953 ms

# Below is generated by plot.py at 2017-08-22 02:16:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.12 Mbit/s

95th percentile per-packet one-way delay: 1.257 ms

Loss rate: 0.06%

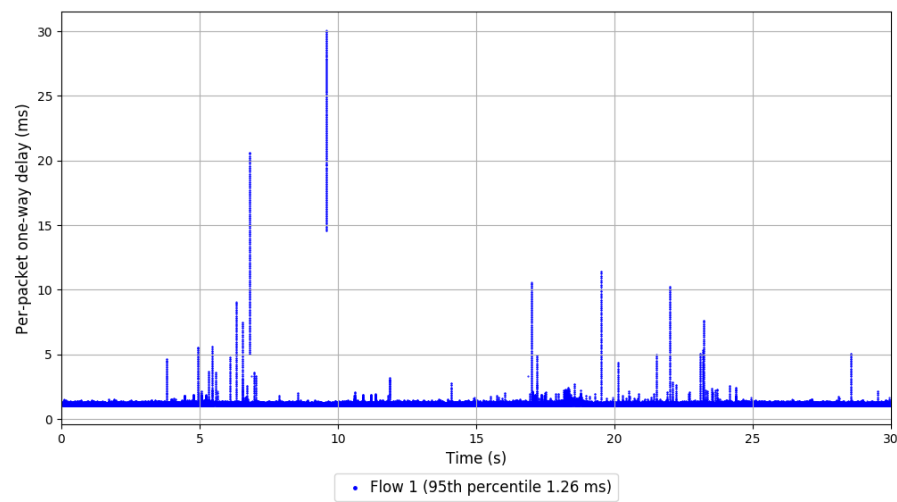
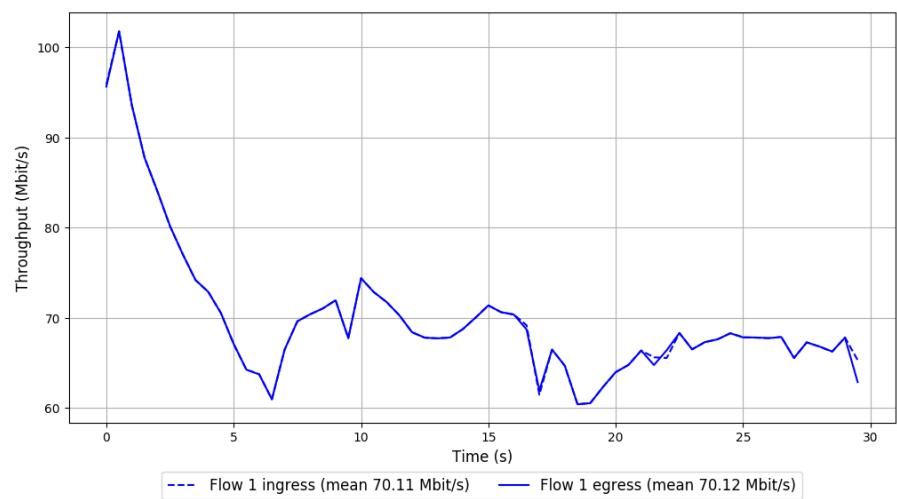
-- Flow 1:

Average throughput: 70.12 Mbit/s

95th percentile per-packet one-way delay: 1.257 ms

Loss rate: 0.06%

Run 10: Report of Copa — Data Link

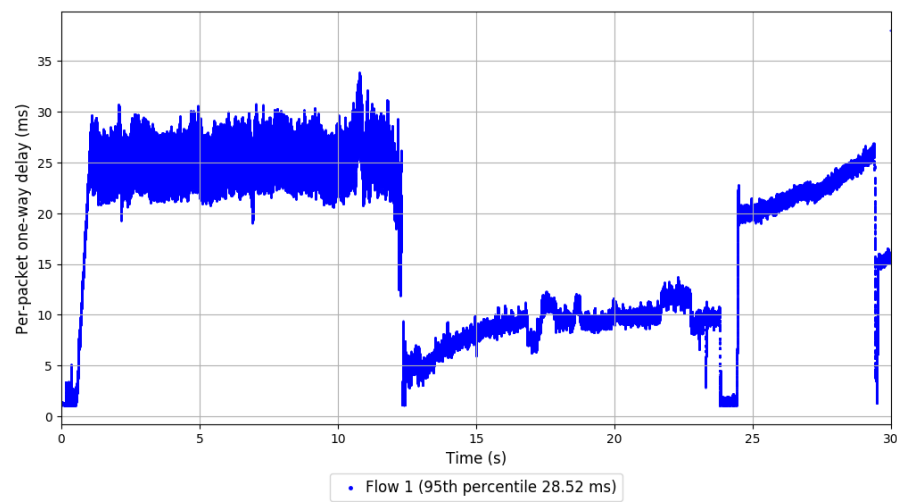
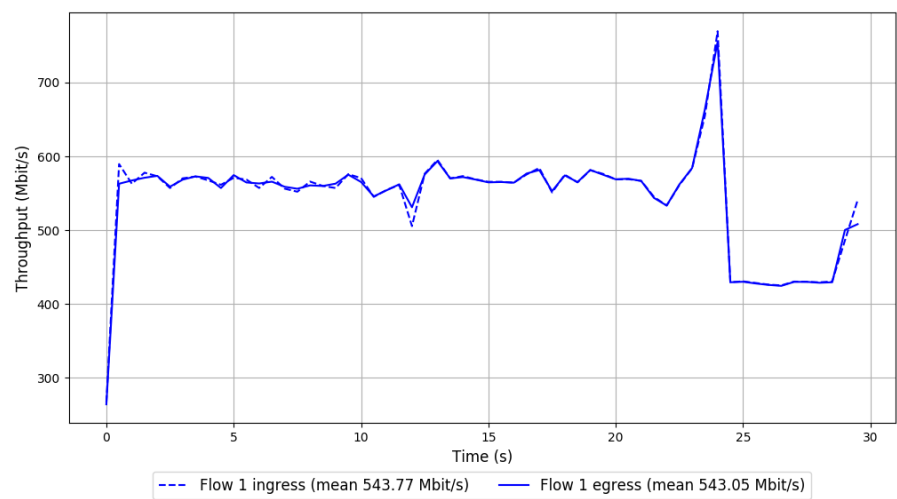


Run 1: Statistics of TCP Cubic

Start at: 2017-08-21 18:01:49  
End at: 2017-08-21 18:02:19  
Local clock offset: 0.418 ms  
Remote clock offset: -3.651 ms

# Below is generated by plot.py at 2017-08-22 02:17:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 543.05 Mbit/s  
95th percentile per-packet one-way delay: 28.524 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 543.05 Mbit/s  
95th percentile per-packet one-way delay: 28.524 ms  
Loss rate: 0.12%

Run 1: Report of TCP Cubic — Data Link

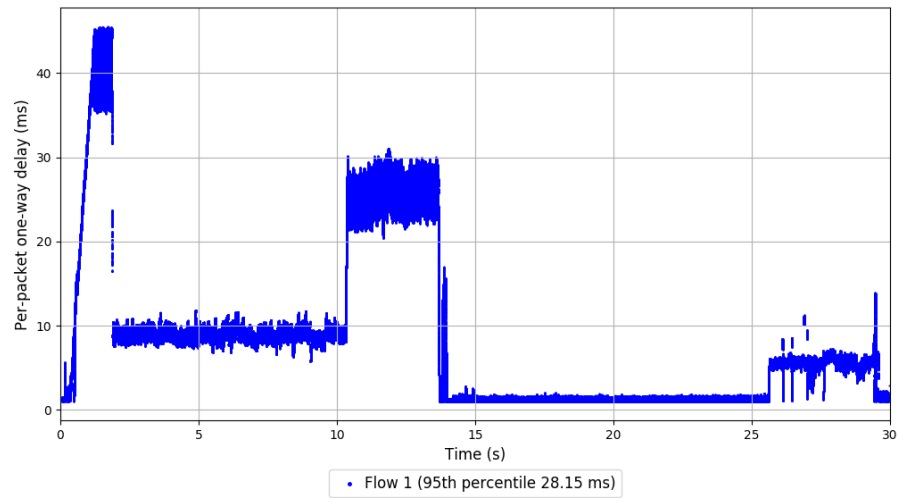
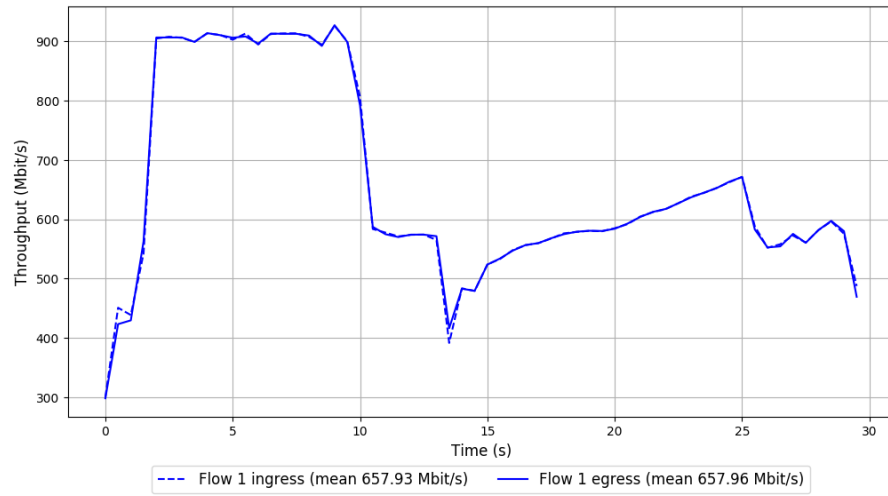


Run 2: Statistics of TCP Cubic

Start at: 2017-08-21 18:22:34  
End at: 2017-08-21 18:23:04  
Local clock offset: 0.454 ms  
Remote clock offset: -3.411 ms

# Below is generated by plot.py at 2017-08-22 02:17:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 657.96 Mbit/s  
95th percentile per-packet one-way delay: 28.152 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 657.96 Mbit/s  
95th percentile per-packet one-way delay: 28.152 ms  
Loss rate: 0.05%

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



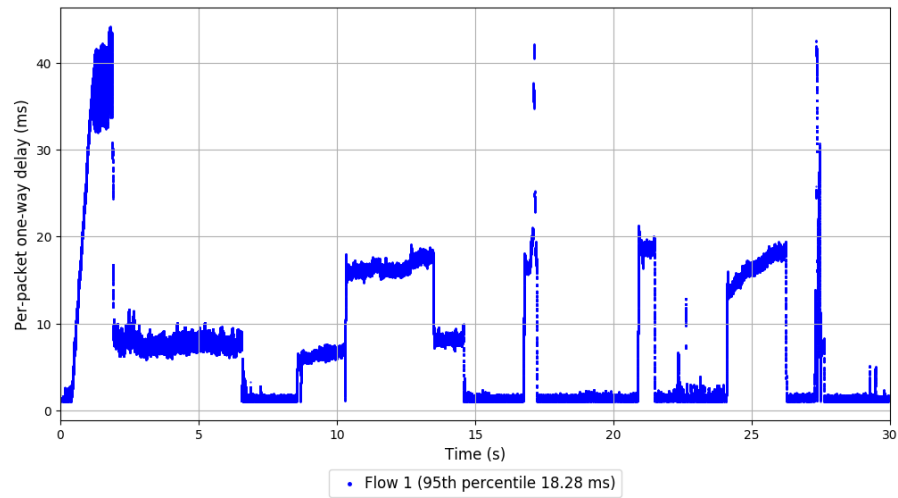
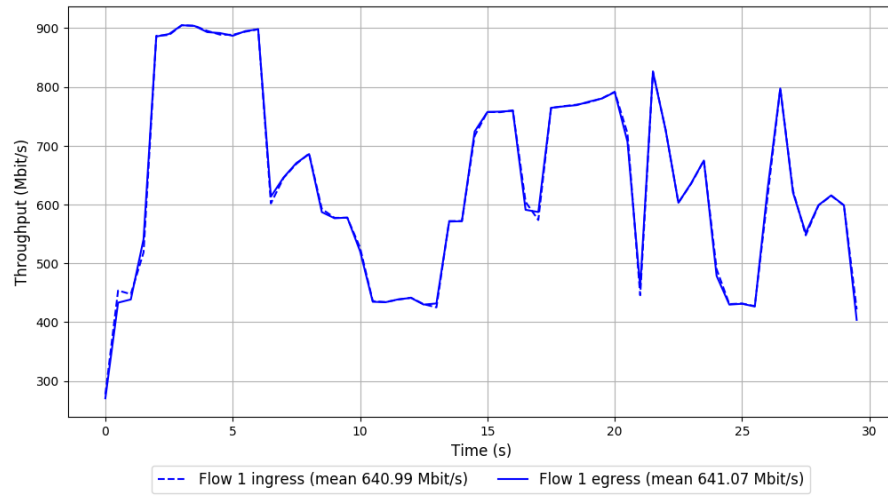
Run 3: Statistics of TCP Cubic

Start at: 2017-08-21 18:43:22  
End at: 2017-08-21 18:43:52  
Local clock offset: 0.761 ms  
Remote clock offset: -3.283 ms

# Below is generated by plot.py at 2017-08-22 02:18:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 641.07 Mbit/s  
95th percentile per-packet one-way delay: 18.284 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 641.07 Mbit/s  
95th percentile per-packet one-way delay: 18.284 ms  
Loss rate: 0.05%



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

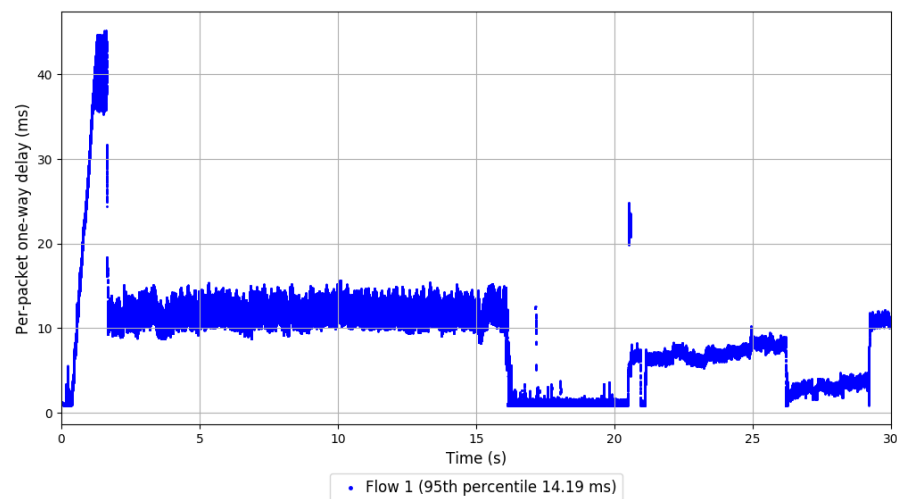
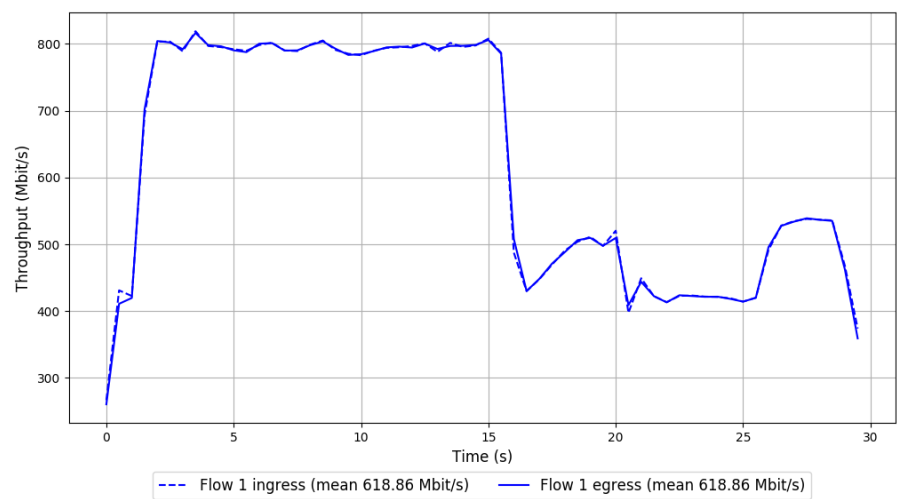


Run 4: Statistics of TCP Cubic

Start at: 2017-08-21 19:04:12  
End at: 2017-08-21 19:04:42  
Local clock offset: 0.79 ms  
Remote clock offset: -2.698 ms

# Below is generated by plot.py at 2017-08-22 02:19:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 618.86 Mbit/s  
95th percentile per-packet one-way delay: 14.189 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 618.86 Mbit/s  
95th percentile per-packet one-way delay: 14.189 ms  
Loss rate: 0.06%

Run 4: Report of TCP Cubic — Data Link

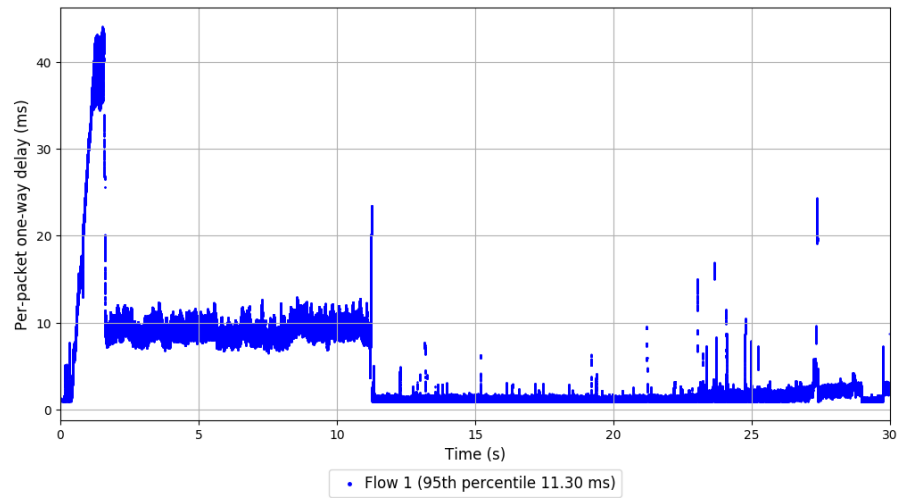
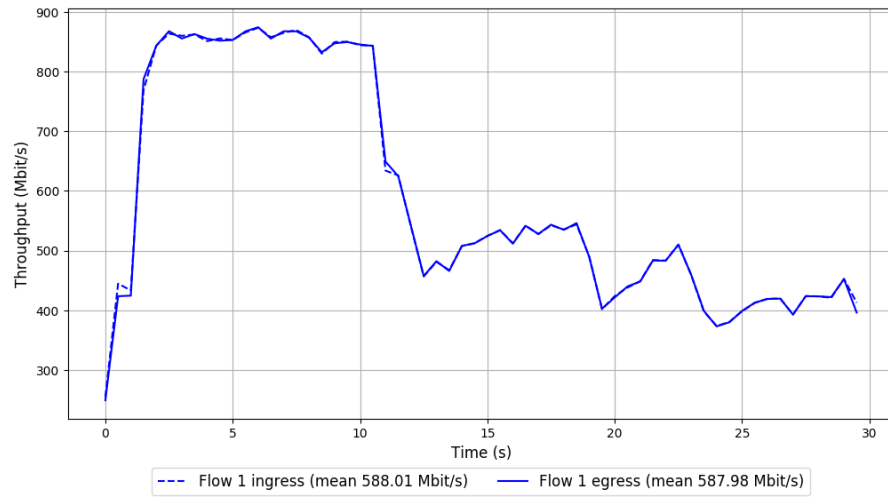


Run 5: Statistics of TCP Cubic

Start at: 2017-08-21 19:25:04  
End at: 2017-08-21 19:25:34  
Local clock offset: 0.962 ms  
Remote clock offset: -2.694 ms

# Below is generated by plot.py at 2017-08-22 02:20:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 587.98 Mbit/s  
95th percentile per-packet one-way delay: 11.300 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 587.98 Mbit/s  
95th percentile per-packet one-way delay: 11.300 ms  
Loss rate: 0.05%

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

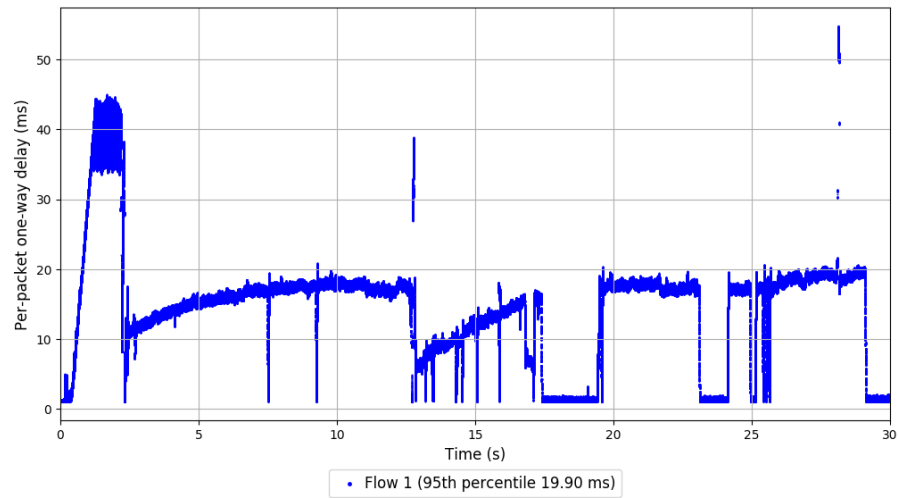
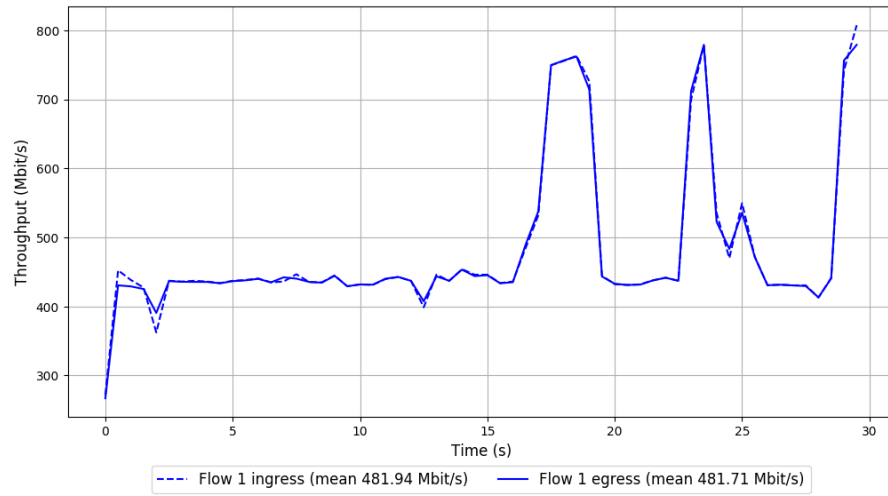


Run 6: Statistics of TCP Cubic

Start at: 2017-08-21 19:45:48  
End at: 2017-08-21 19:46:19  
Local clock offset: 1.055 ms  
Remote clock offset: -2.602 ms

# Below is generated by plot.py at 2017-08-22 02:20:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 481.71 Mbit/s  
95th percentile per-packet one-way delay: 19.901 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 481.71 Mbit/s  
95th percentile per-packet one-way delay: 19.901 ms  
Loss rate: 0.11%

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



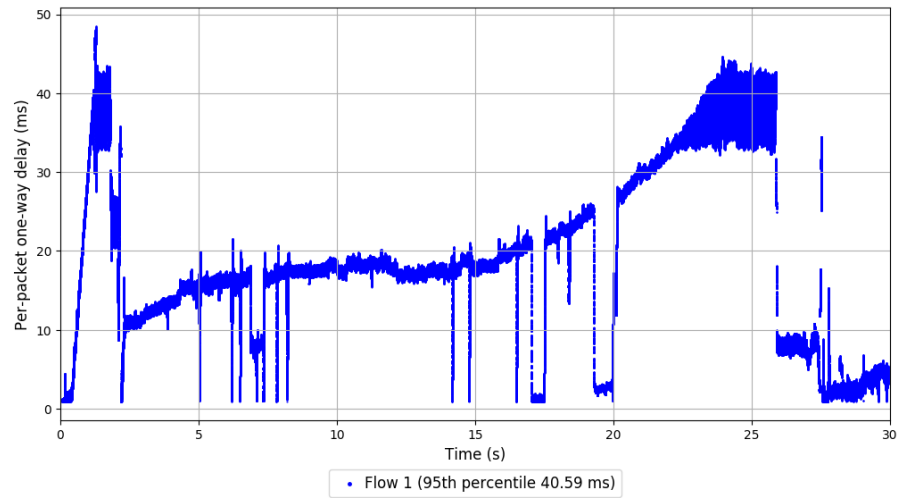
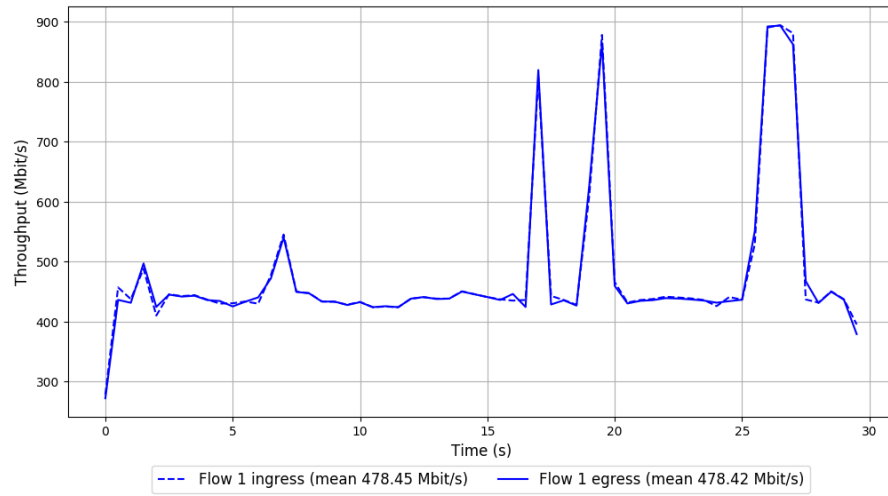
Run 7: Statistics of TCP Cubic

Start at: 2017-08-21 20:06:33  
End at: 2017-08-21 20:07:03  
Local clock offset: 0.777 ms  
Remote clock offset: -2.597 ms

# Below is generated by plot.py at 2017-08-22 02:21:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 478.42 Mbit/s  
95th percentile per-packet one-way delay: 40.590 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 478.42 Mbit/s  
95th percentile per-packet one-way delay: 40.590 ms  
Loss rate: 0.07%



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



Run 8: Statistics of TCP Cubic

Start at: 2017-08-21 20:27:26

End at: 2017-08-21 20:27:56

Local clock offset: 0.623 ms

Remote clock offset: -2.15 ms

# Below is generated by plot.py at 2017-08-22 02:21:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 507.00 Mbit/s

95th percentile per-packet one-way delay: 31.473 ms

Loss rate: 0.07%

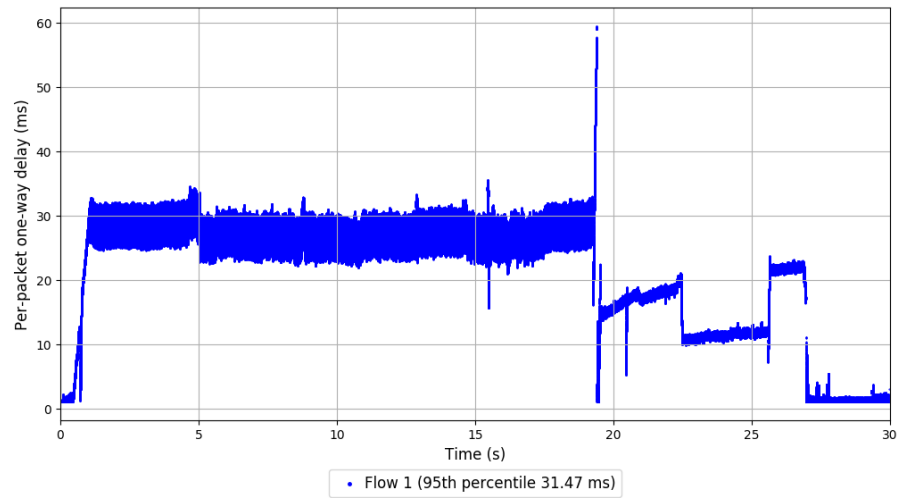
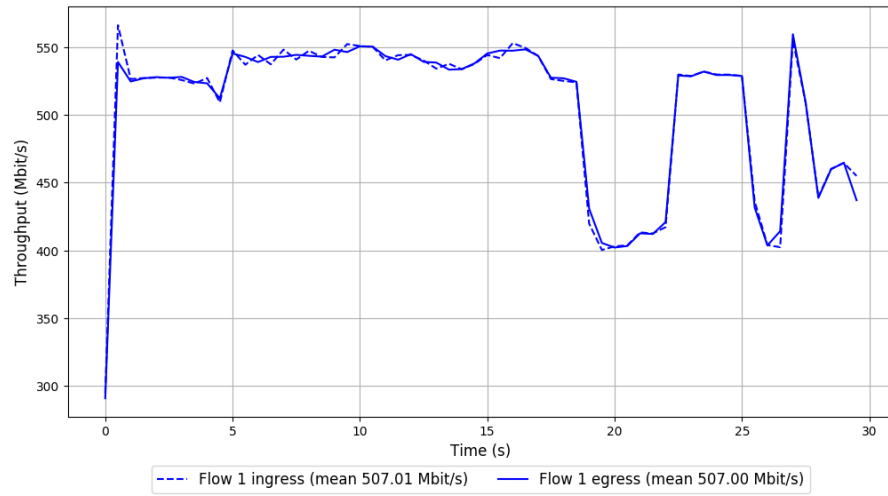
-- Flow 1:

Average throughput: 507.00 Mbit/s

95th percentile per-packet one-way delay: 31.473 ms

Loss rate: 0.07%

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

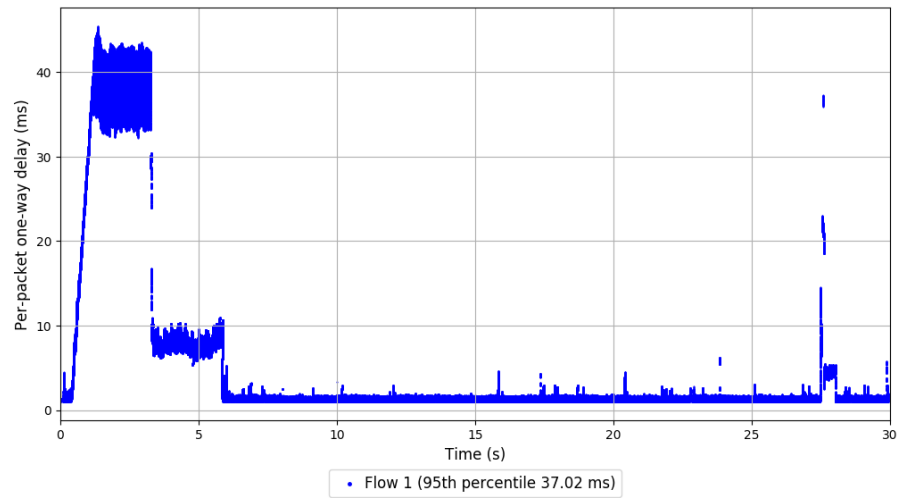
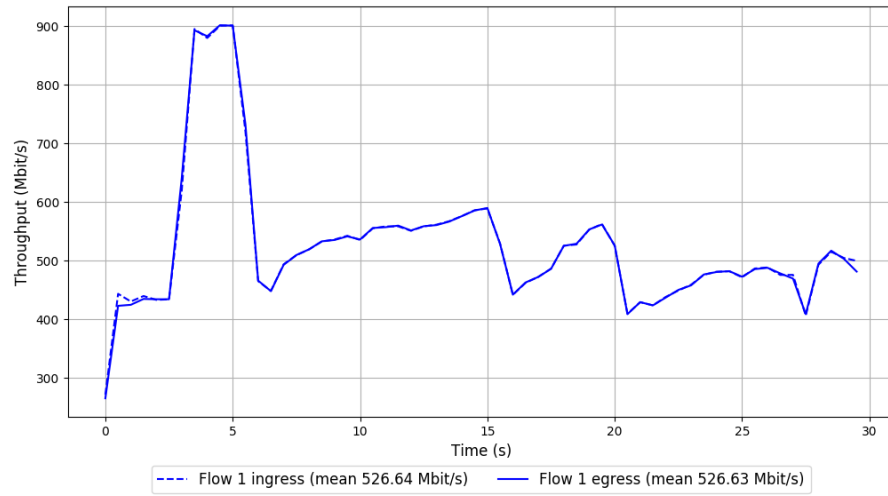


Run 9: Statistics of TCP Cubic

Start at: 2017-08-21 20:48:15  
End at: 2017-08-21 20:48:45  
Local clock offset: 0.604 ms  
Remote clock offset: -1.787 ms

# Below is generated by plot.py at 2017-08-22 02:22:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 526.63 Mbit/s  
95th percentile per-packet one-way delay: 37.018 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 526.63 Mbit/s  
95th percentile per-packet one-way delay: 37.018 ms  
Loss rate: 0.06%

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

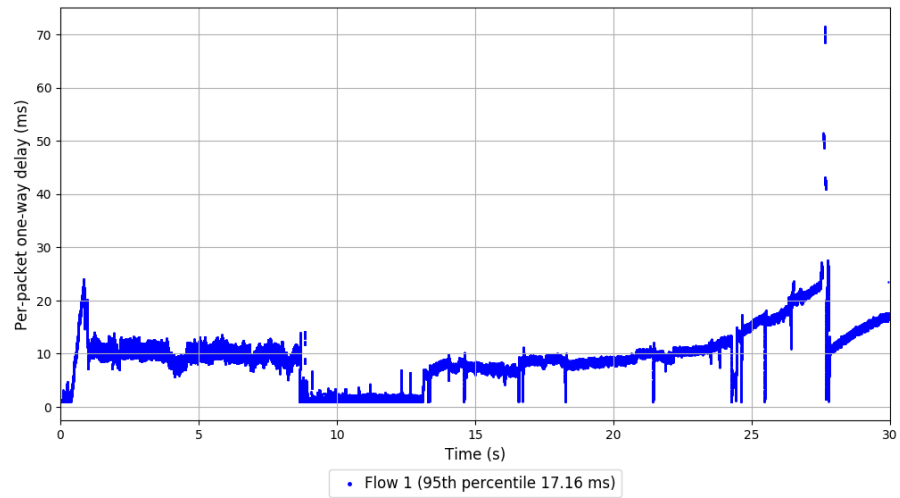
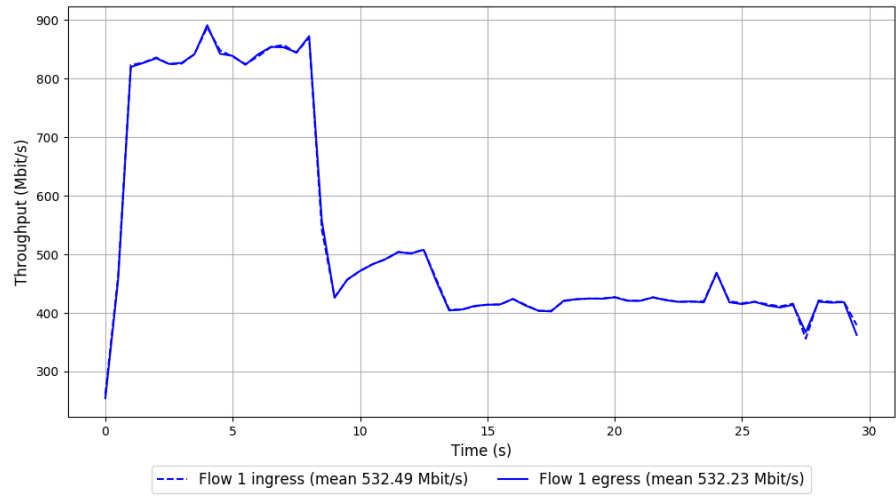


Run 10: Statistics of TCP Cubic

Start at: 2017-08-21 21:09:11  
End at: 2017-08-21 21:09:41  
Local clock offset: 0.422 ms  
Remote clock offset: -1.914 ms

# Below is generated by plot.py at 2017-08-22 02:22:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 532.23 Mbit/s  
95th percentile per-packet one-way delay: 17.156 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 532.23 Mbit/s  
95th percentile per-packet one-way delay: 17.156 ms  
Loss rate: 0.09%

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



Run 1: Statistics of KohoCC

Start at: 2017-08-21 17:45:46

End at: 2017-08-21 17:46:16

Local clock offset: 0.496 ms

Remote clock offset: -3.582 ms

# Below is generated by plot.py at 2017-08-22 02:22:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.55 Mbit/s

95th percentile per-packet one-way delay: 1.211 ms

Loss rate: 0.06%

-- Flow 1:

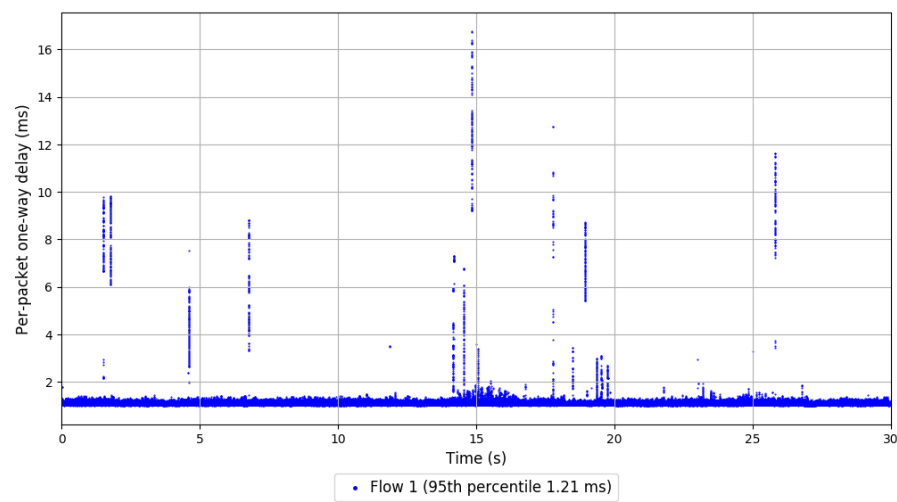
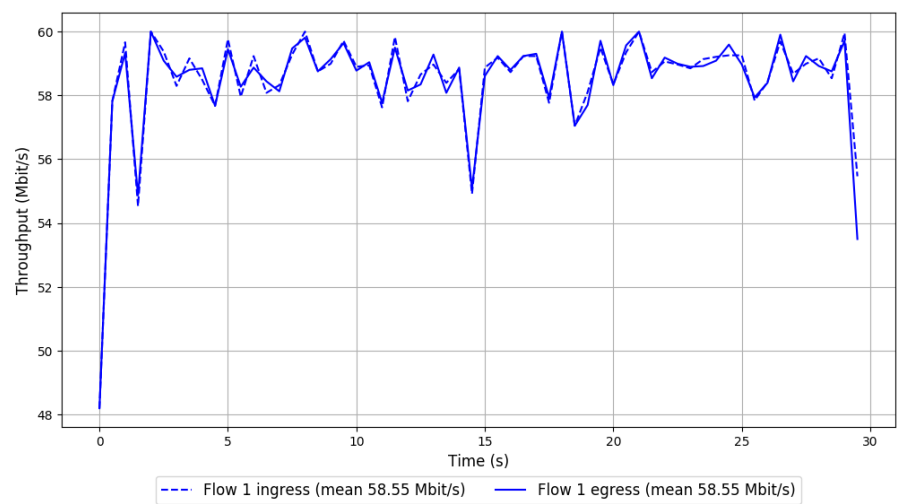
Average throughput: 58.55 Mbit/s

95th percentile per-packet one-way delay: 1.211 ms

Loss rate: 0.06%



Run 1: Report of KohoCC — Data Link

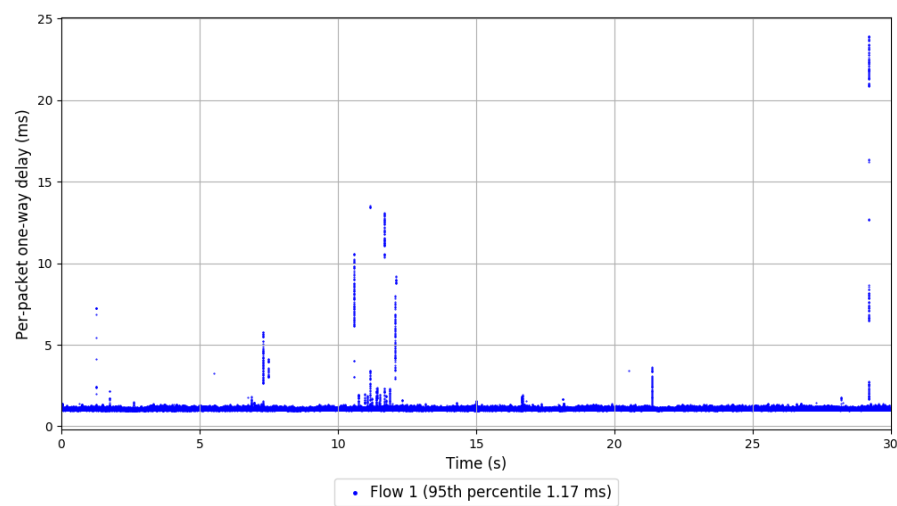
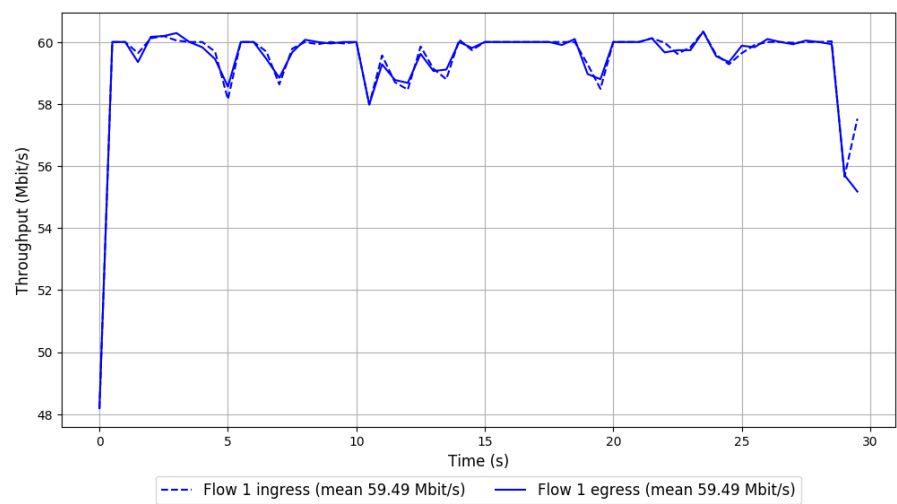


Run 2: Statistics of KohoCC

Start at: 2017-08-21 18:06:28  
End at: 2017-08-21 18:06:58  
Local clock offset: 0.307 ms  
Remote clock offset: -3.628 ms

# Below is generated by plot.py at 2017-08-22 02:22:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 59.49 Mbit/s  
95th percentile per-packet one-way delay: 1.167 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 59.49 Mbit/s  
95th percentile per-packet one-way delay: 1.167 ms  
Loss rate: 0.07%

Run 2: Report of KohoCC — Data Link

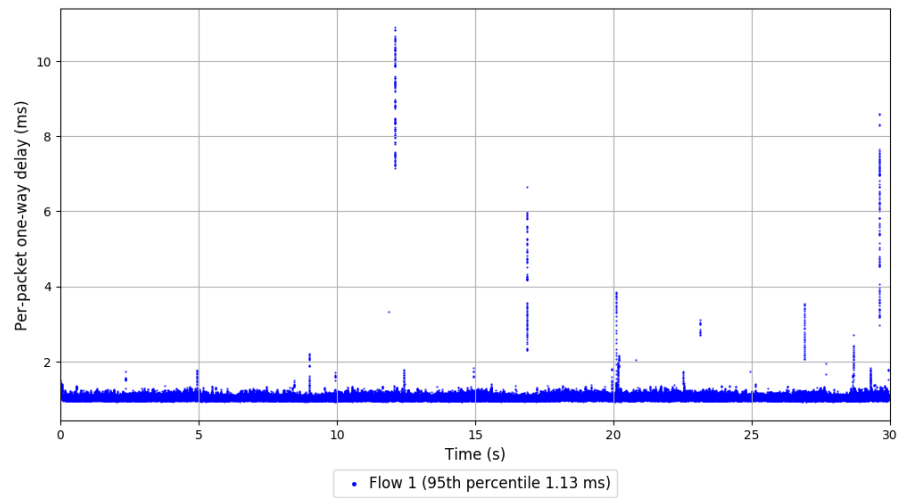
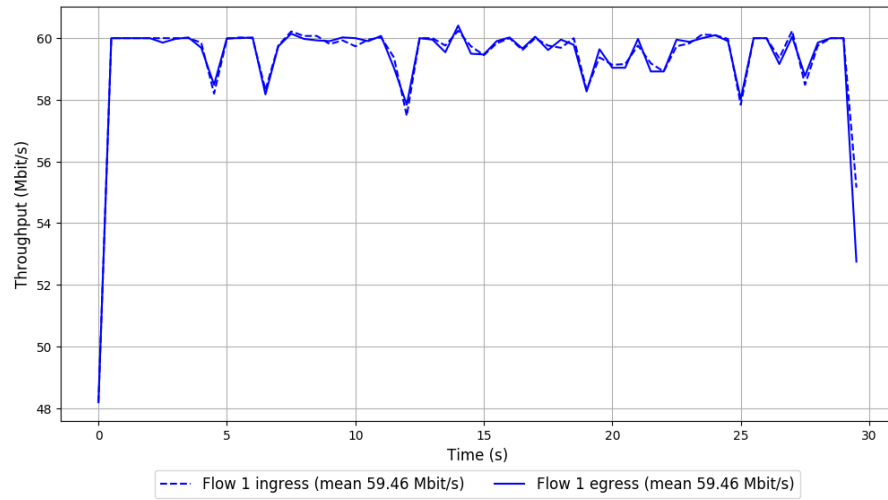


Run 3: Statistics of KohoCC

Start at: 2017-08-21 18:27:23  
End at: 2017-08-21 18:27:53  
Local clock offset: 0.528 ms  
Remote clock offset: -3.339 ms

# Below is generated by plot.py at 2017-08-22 02:22:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 59.46 Mbit/s  
95th percentile per-packet one-way delay: 1.133 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 59.46 Mbit/s  
95th percentile per-packet one-way delay: 1.133 ms  
Loss rate: 0.07%

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

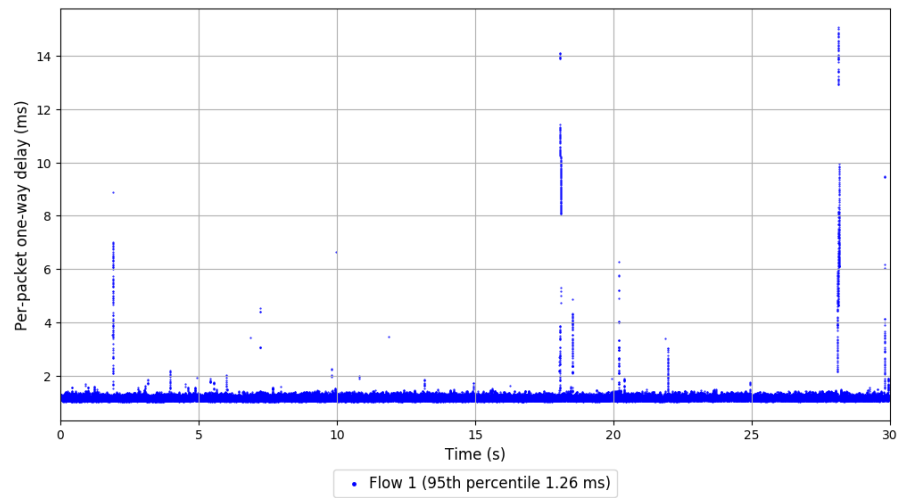
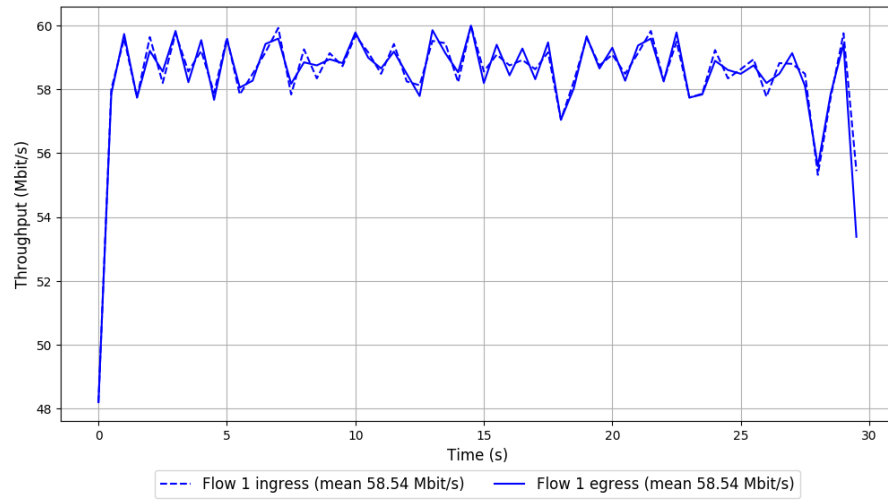


Run 4: Statistics of KohoCC

Start at: 2017-08-21 18:48:12  
End at: 2017-08-21 18:48:42  
Local clock offset: 0.734 ms  
Remote clock offset: -3.153 ms

# Below is generated by plot.py at 2017-08-22 02:22:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 58.54 Mbit/s  
95th percentile per-packet one-way delay: 1.262 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 58.54 Mbit/s  
95th percentile per-packet one-way delay: 1.262 ms  
Loss rate: 0.07%

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



Run 5: Statistics of KohoCC

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

End at: 2017-08-21 19:09:28

Local clock offset: 0.957 ms

Remote clock offset: -2.745 ms

# Below is generated by plot.py at 2017-08-22 02:22:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.30 Mbit/s

95th percentile per-packet one-way delay: 1.233 ms

Loss rate: 0.07%

-- Flow 1:

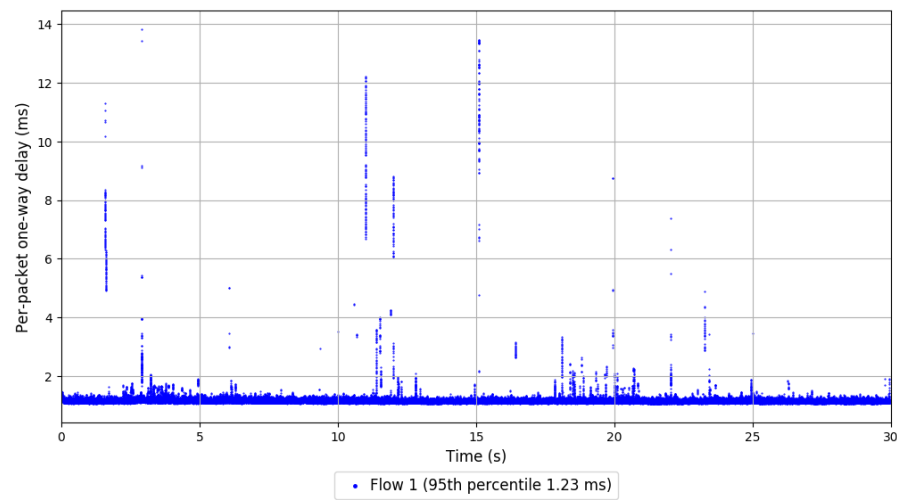
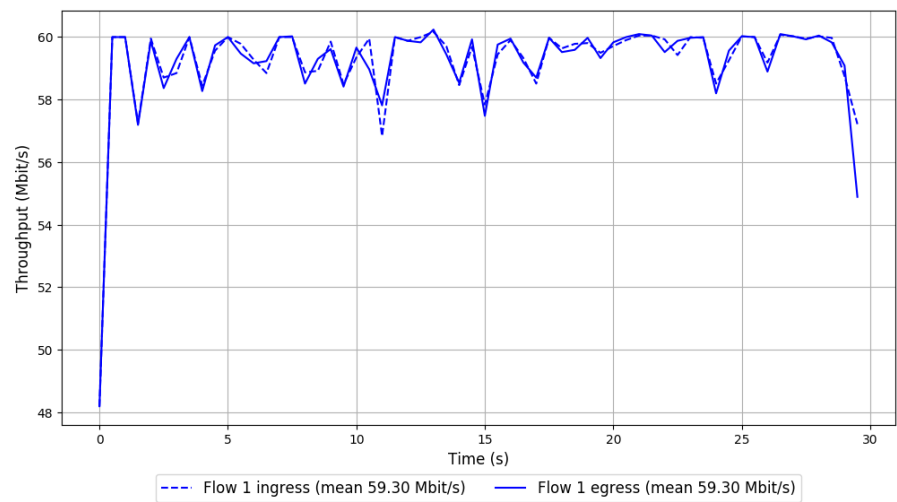
Average throughput: 59.30 Mbit/s

95th percentile per-packet one-way delay: 1.233 ms

Loss rate: 0.07%



Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: 2017-08-21 19:29:52

End at: 2017-08-21 19:30:22

Local clock offset: 0.989 ms

Remote clock offset: -2.695 ms

# Below is generated by plot.py at 2017-08-22 02:22:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.82 Mbit/s

95th percentile per-packet one-way delay: 1.147 ms

Loss rate: 0.07%

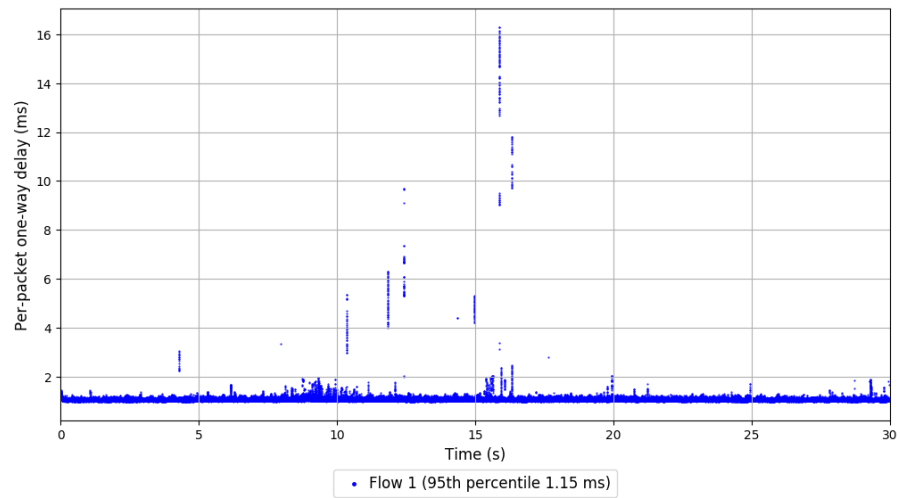
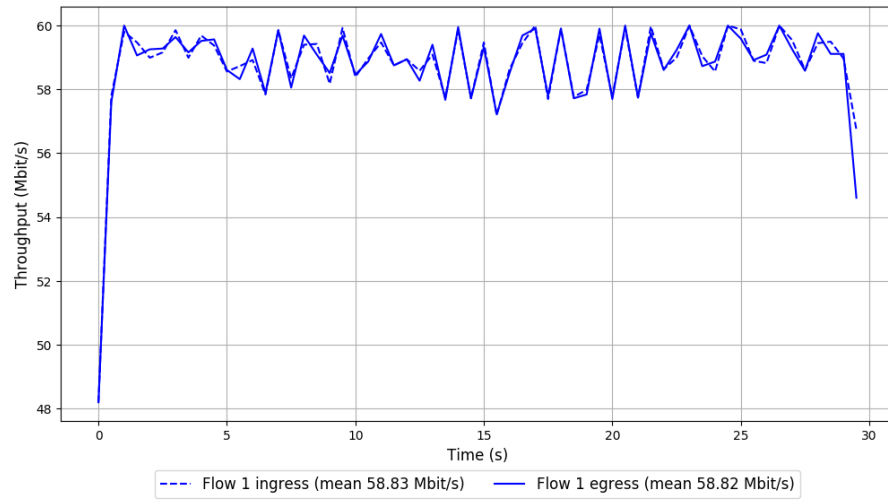
-- Flow 1:

Average throughput: 58.82 Mbit/s

95th percentile per-packet one-way delay: 1.147 ms

Loss rate: 0.07%

## Run 6: Report of KohoCC — Data Link

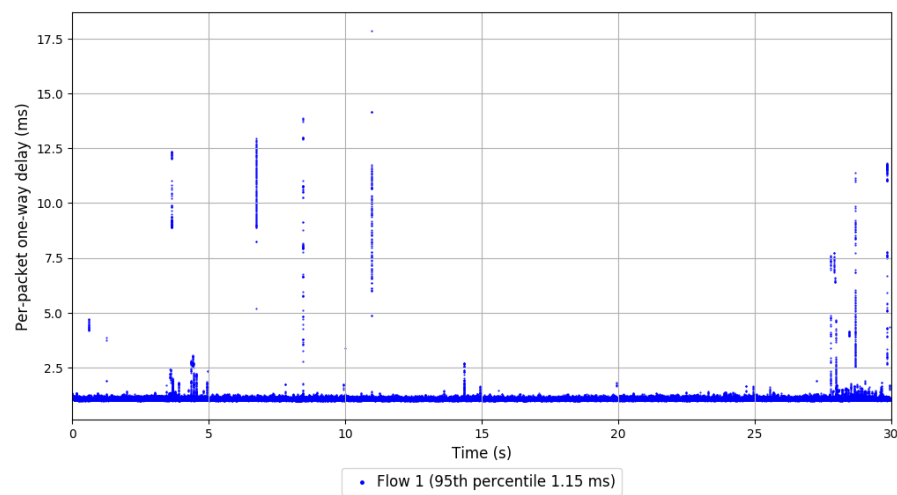
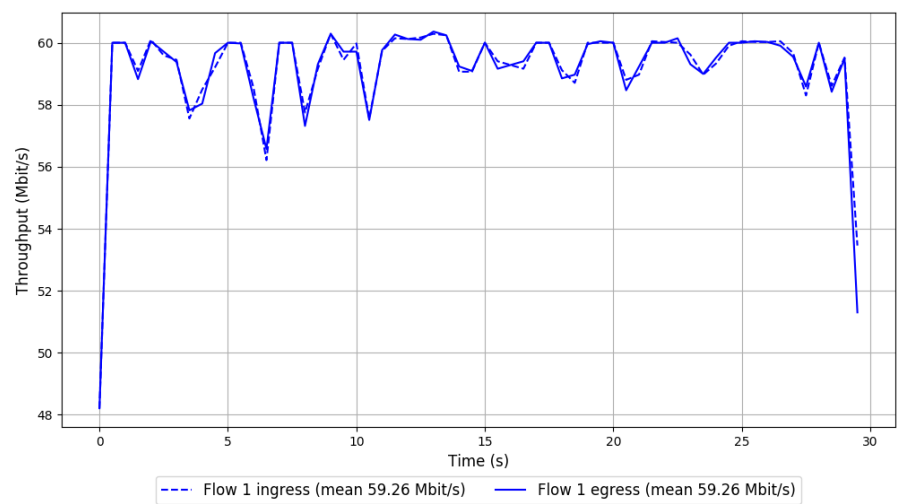


Run 7: Statistics of KohoCC

Start at: 2017-08-21 19:50:32  
End at: 2017-08-21 19:51:02  
Local clock offset: 0.953 ms  
Remote clock offset: -2.639 ms

# Below is generated by plot.py at 2017-08-22 02:22:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 59.26 Mbit/s  
95th percentile per-packet one-way delay: 1.147 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 59.26 Mbit/s  
95th percentile per-packet one-way delay: 1.147 ms  
Loss rate: 0.07%

Run 7: Report of KohoCC — Data Link

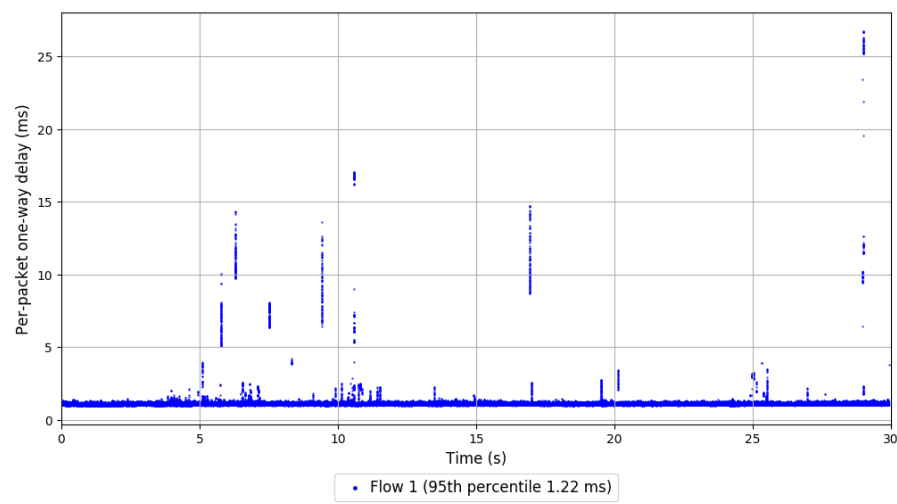
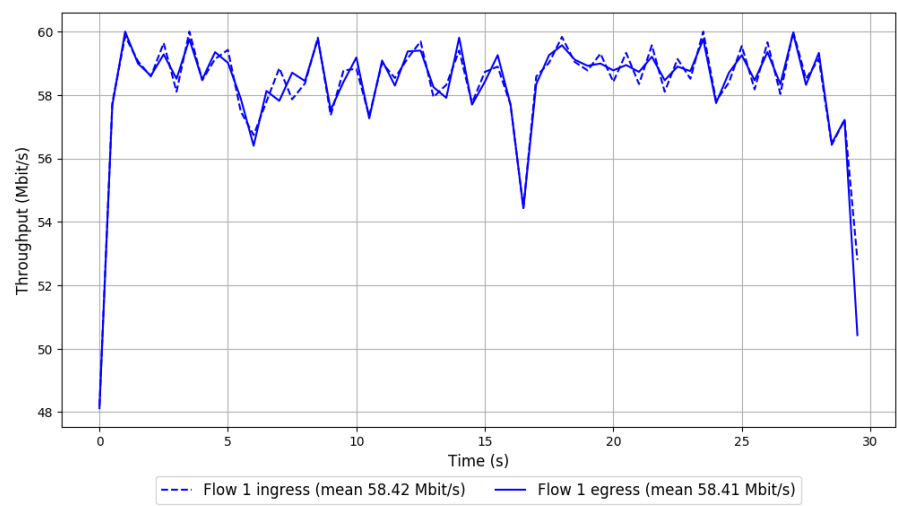


Run 8: Statistics of KohoCC

Start at: 2017-08-21 20:11:16  
End at: 2017-08-21 20:11:46  
Local clock offset: 0.674 ms  
Remote clock offset: -2.628 ms

# Below is generated by plot.py at 2017-08-22 02:22:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 58.41 Mbit/s  
95th percentile per-packet one-way delay: 1.220 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 58.41 Mbit/s  
95th percentile per-packet one-way delay: 1.220 ms  
Loss rate: 0.07%

Run 8: Report of KohoCC — Data Link



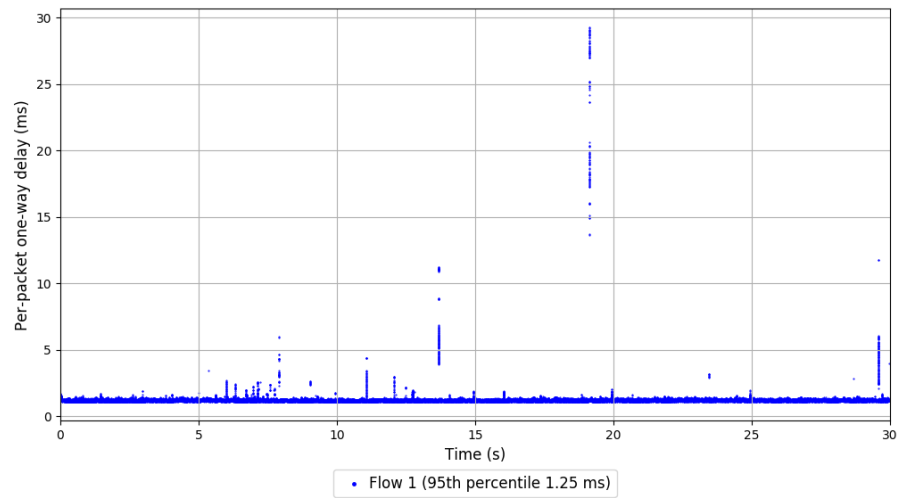
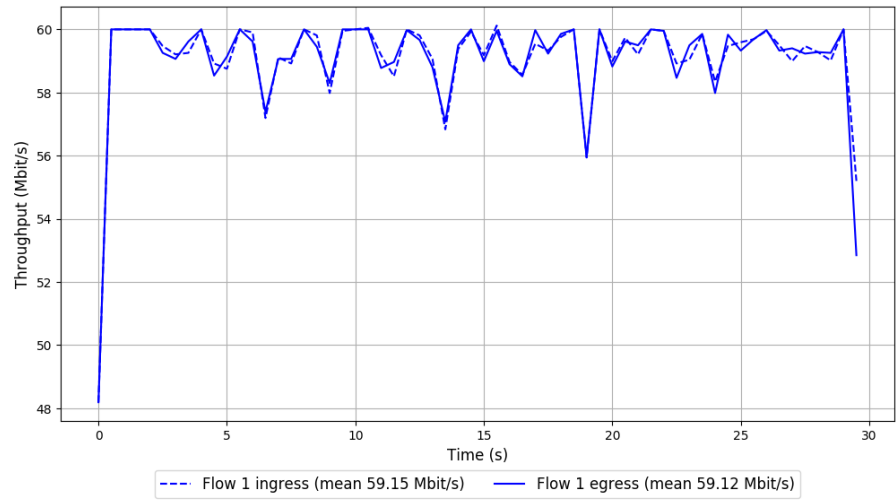
Run 9: Statistics of KohoCC

Start at: 2017-08-21 20:32:09  
End at: 2017-08-21 20:32:39  
Local clock offset: 0.598 ms  
Remote clock offset: -2.071 ms

# Below is generated by plot.py at 2017-08-22 02:23:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 59.12 Mbit/s  
95th percentile per-packet one-way delay: 1.255 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 59.12 Mbit/s  
95th percentile per-packet one-way delay: 1.255 ms  
Loss rate: 0.07%



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



Run 10: Statistics of KohoCC

Start at: 2017-08-21 20:52:54

End at: 2017-08-21 20:53:24

Local clock offset: 0.583 ms

Remote clock offset: -1.748 ms

# Below is generated by plot.py at 2017-08-22 02:23:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.70 Mbit/s

95th percentile per-packet one-way delay: 1.150 ms

Loss rate: 0.07%

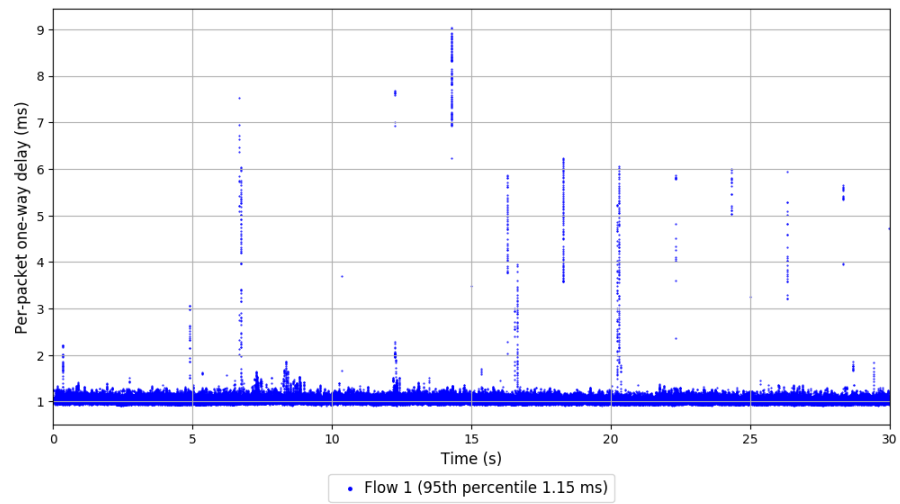
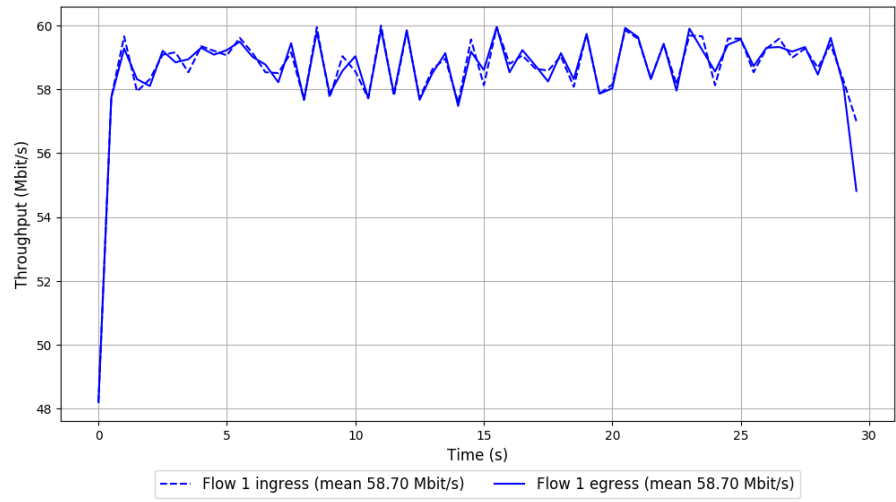
-- Flow 1:

Average throughput: 58.70 Mbit/s

95th percentile per-packet one-way delay: 1.150 ms

Loss rate: 0.07%

# Run 10: Report of KohoCC — Data Link

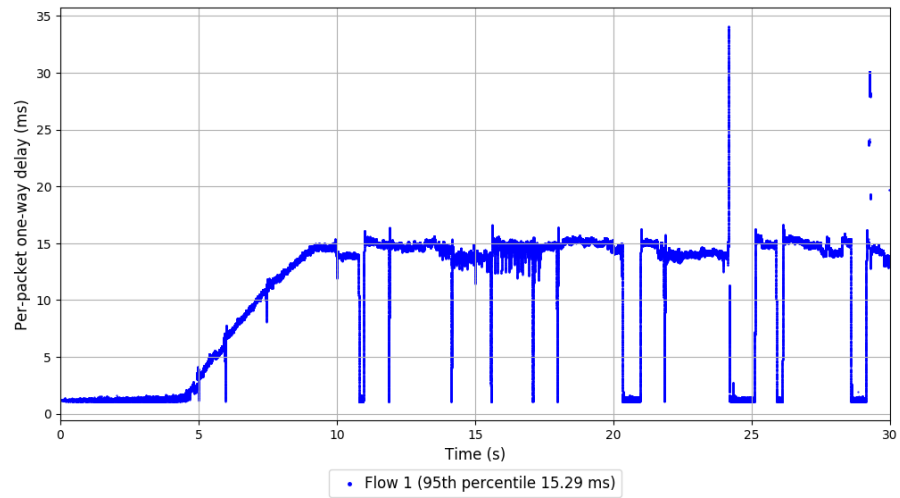
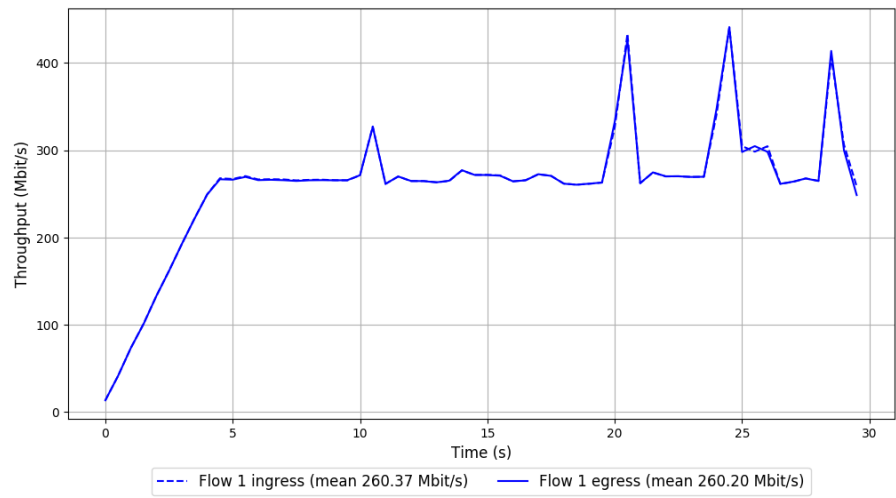


Run 1: Statistics of LEDBAT

Start at: 2017-08-21 17:56:26  
End at: 2017-08-21 17:56:56  
Local clock offset: 0.456 ms  
Remote clock offset: -3.678 ms

# Below is generated by plot.py at 2017-08-22 02:23:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 260.20 Mbit/s  
95th percentile per-packet one-way delay: 15.294 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 260.20 Mbit/s  
95th percentile per-packet one-way delay: 15.294 ms  
Loss rate: 0.11%

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

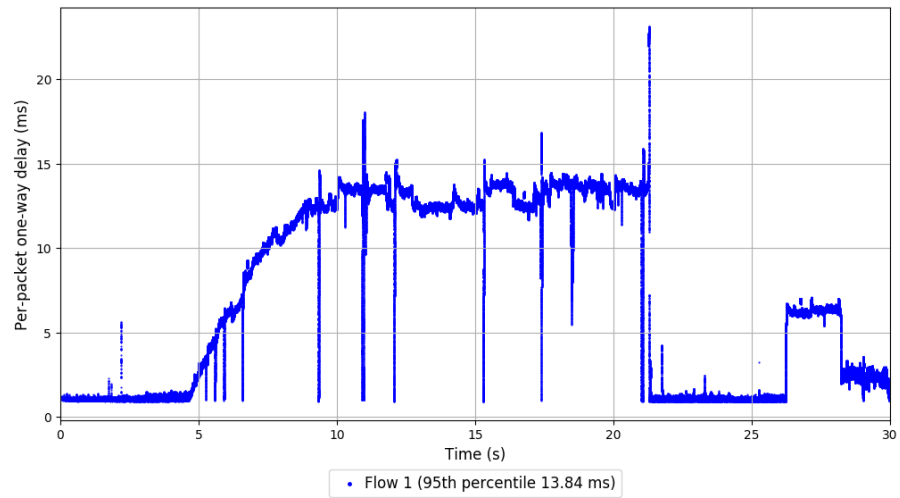
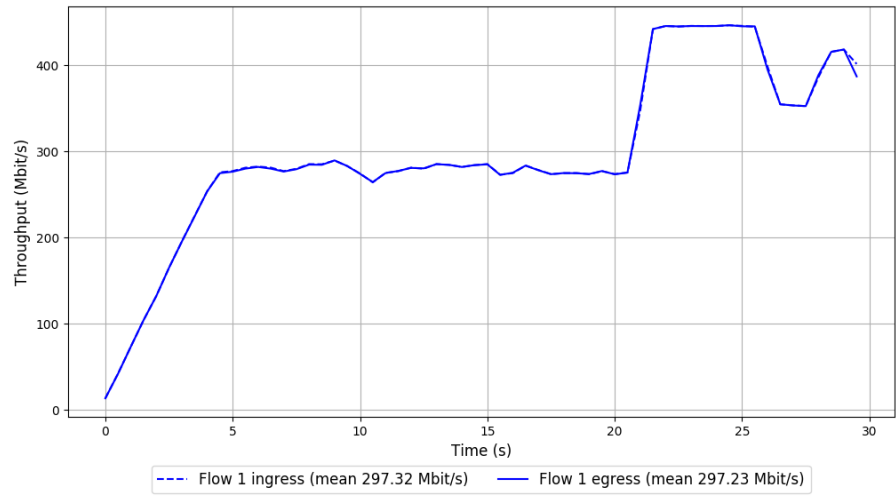


Run 2: Statistics of LEDBAT

Start at: 2017-08-21 18:17:02  
End at: 2017-08-21 18:17:32  
Local clock offset: 0.42 ms  
Remote clock offset: -3.392 ms

# Below is generated by plot.py at 2017-08-22 02:23:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 297.23 Mbit/s  
95th percentile per-packet one-way delay: 13.836 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 297.23 Mbit/s  
95th percentile per-packet one-way delay: 13.836 ms  
Loss rate: 0.09%

## Run 2: Report of LEDBAT — Data Link



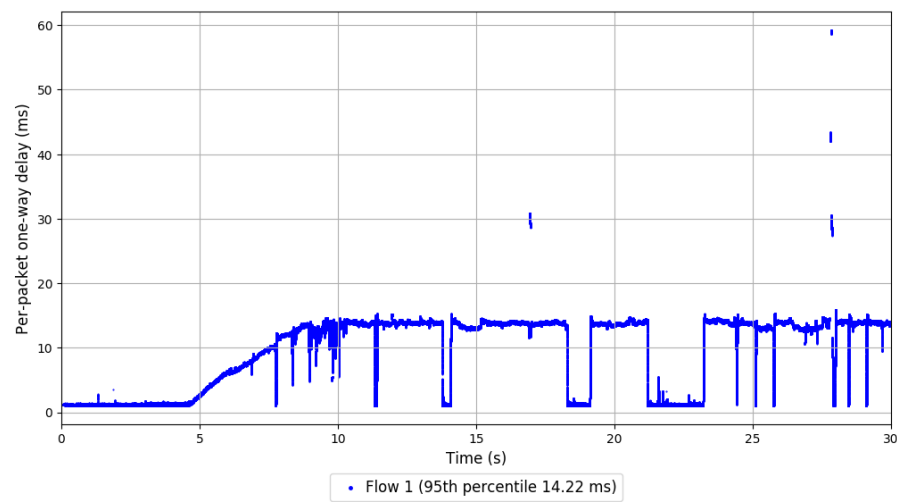
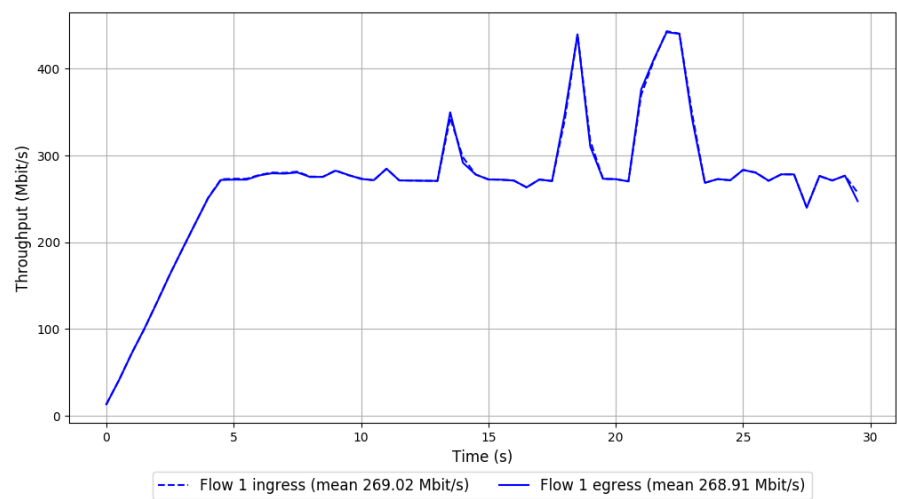
Run 3: Statistics of LEDBAT

Start at: 2017-08-21 18:37:52  
End at: 2017-08-21 18:38:22  
Local clock offset: 0.719 ms  
Remote clock offset: -3.365 ms

# Below is generated by plot.py at 2017-08-22 02:24:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 268.91 Mbit/s  
95th percentile per-packet one-way delay: 14.224 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 268.91 Mbit/s  
95th percentile per-packet one-way delay: 14.224 ms  
Loss rate: 0.11%



Run 3: Report of LEDBAT — Data Link

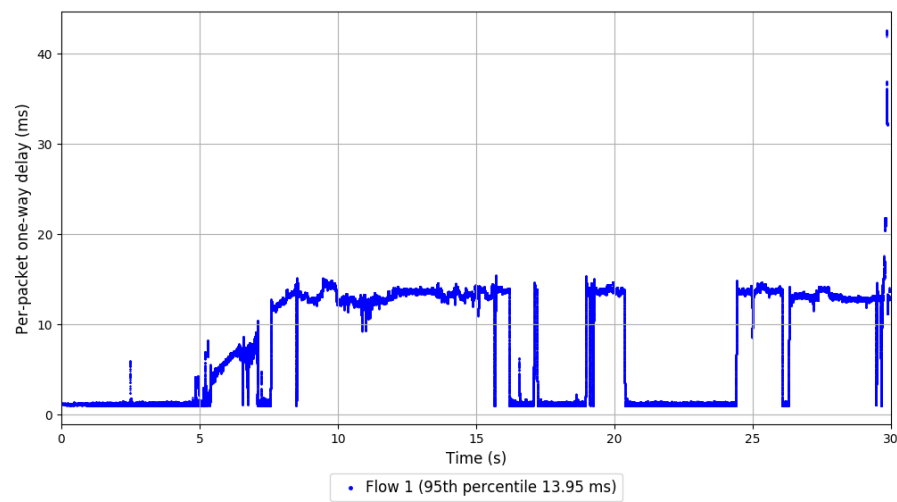
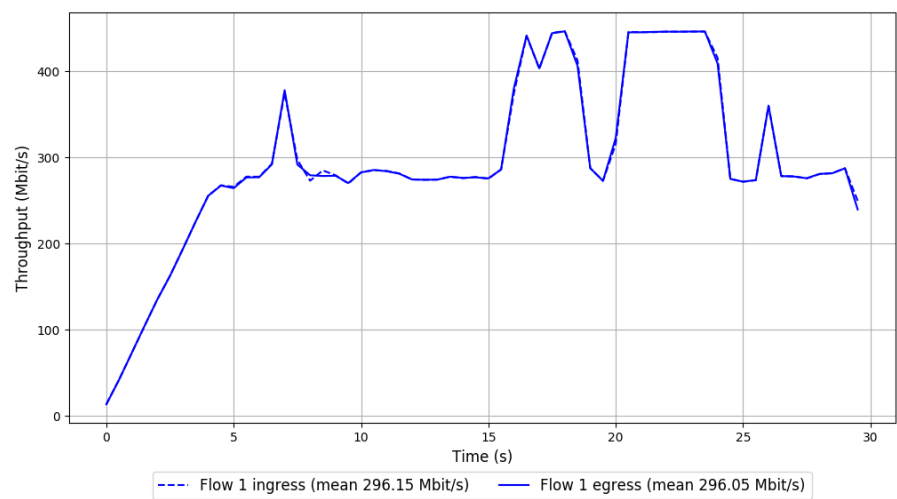


Run 4: Statistics of LEDBAT

Start at: 2017-08-21 18:58:55  
End at: 2017-08-21 18:59:25  
Local clock offset: 0.77 ms  
Remote clock offset: -2.887 ms

# Below is generated by plot.py at 2017-08-22 02:24:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 296.05 Mbit/s  
95th percentile per-packet one-way delay: 13.953 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 296.05 Mbit/s  
95th percentile per-packet one-way delay: 13.953 ms  
Loss rate: 0.10%

Run 4: Report of LEDBAT — Data Link

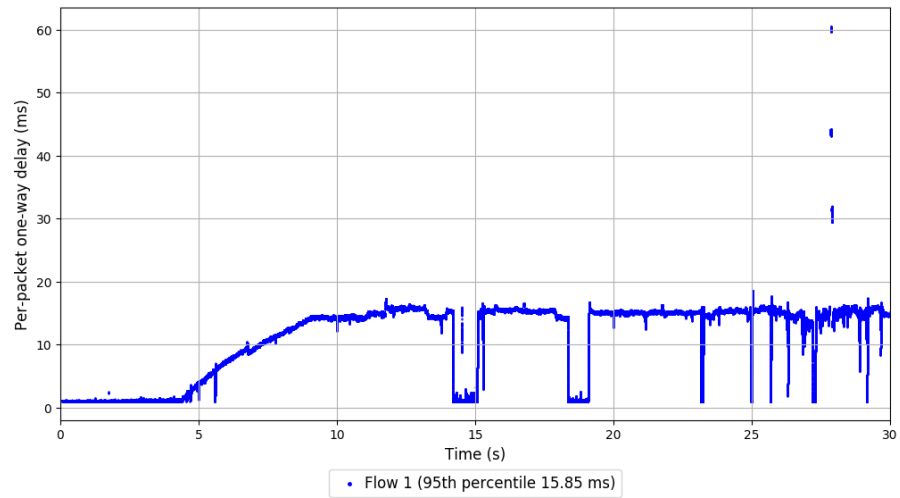
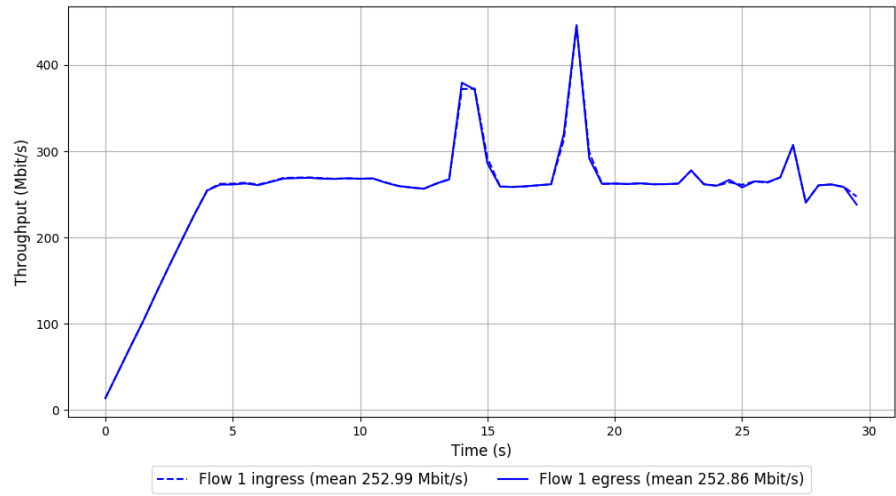


Run 5: Statistics of LEDBAT

Start at: 2017-08-21 19:19:34  
End at: 2017-08-21 19:20:04  
Local clock offset: 1.031 ms  
Remote clock offset: -2.634 ms

# Below is generated by plot.py at 2017-08-22 02:24:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 252.86 Mbit/s  
95th percentile per-packet one-way delay: 15.849 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 252.86 Mbit/s  
95th percentile per-packet one-way delay: 15.849 ms  
Loss rate: 0.11%

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

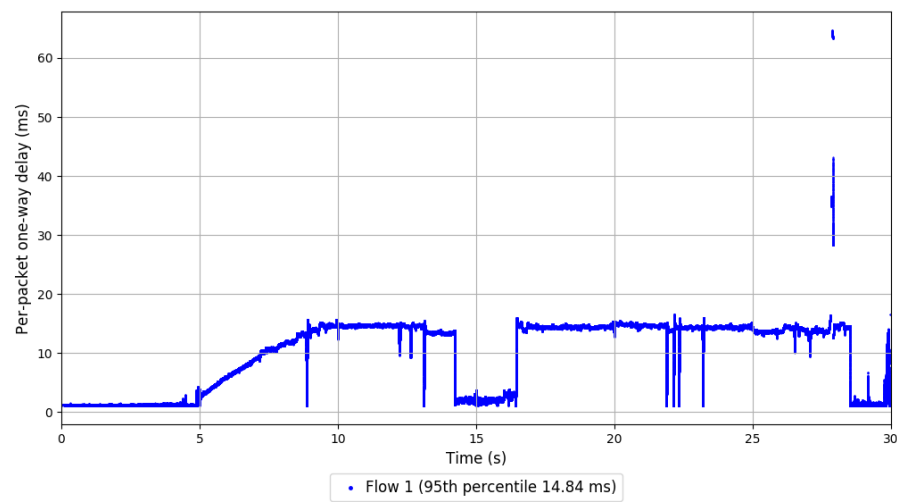
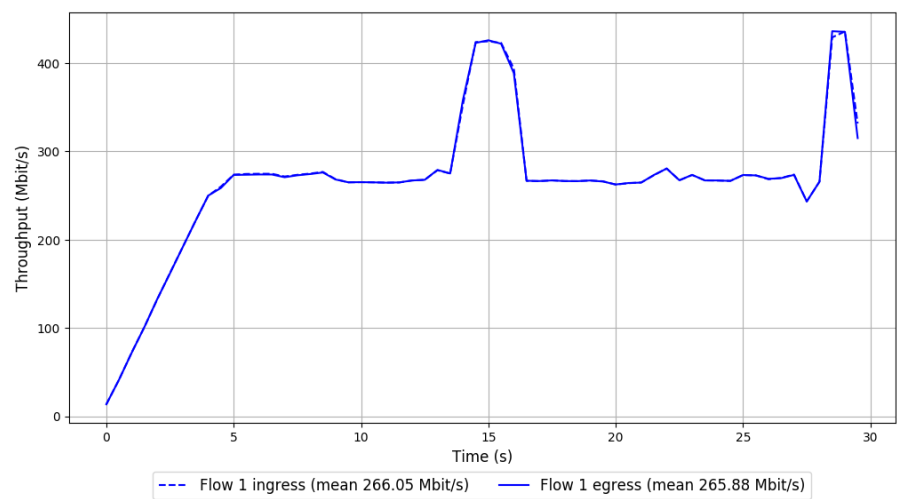


Run 6: Statistics of LEDBAT

Start at: 2017-08-21 19:40:32  
End at: 2017-08-21 19:41:02  
Local clock offset: 1.073 ms  
Remote clock offset: -2.579 ms

# Below is generated by plot.py at 2017-08-22 02:24:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 265.88 Mbit/s  
95th percentile per-packet one-way delay: 14.838 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 265.88 Mbit/s  
95th percentile per-packet one-way delay: 14.838 ms  
Loss rate: 0.11%

Run 6: Report of LEDBAT — Data Link



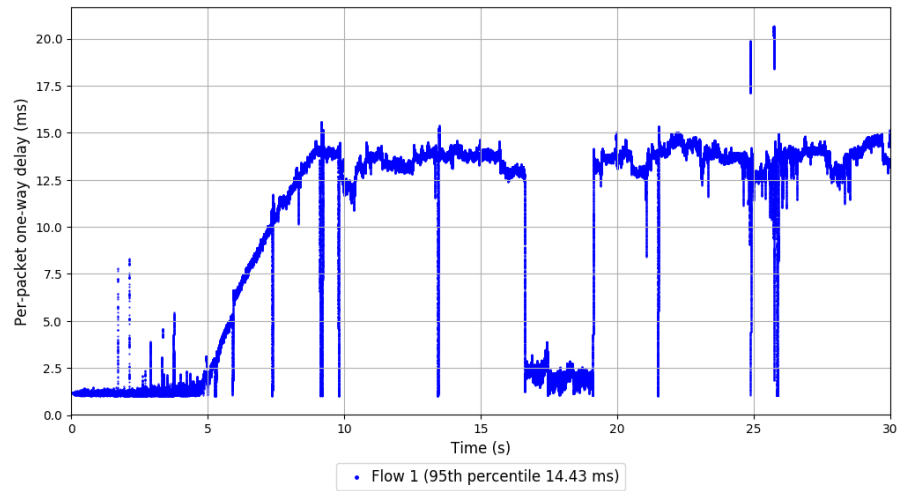
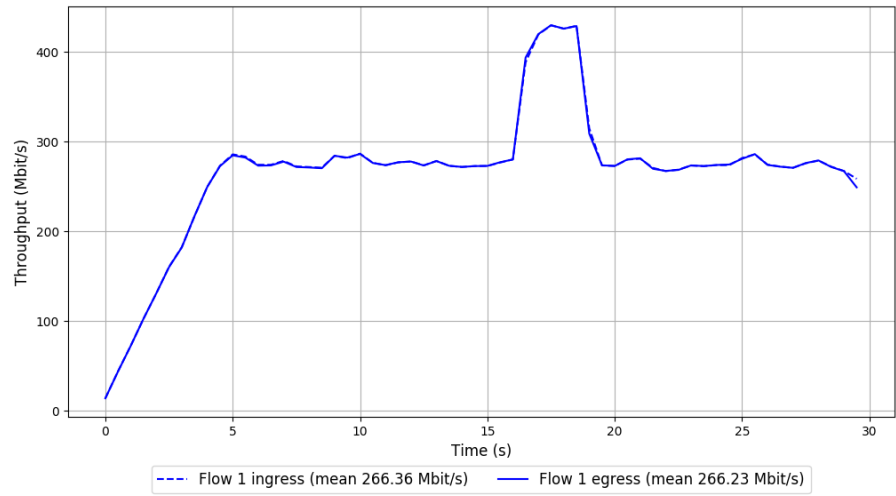
Run 7: Statistics of LEDBAT

Start at: 2017-08-21 20:01:11  
End at: 2017-08-21 20:01:41  
Local clock offset: 0.866 ms  
Remote clock offset: -2.644 ms

# Below is generated by plot.py at 2017-08-22 02:25:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 266.23 Mbit/s  
95th percentile per-packet one-way delay: 14.426 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 266.23 Mbit/s  
95th percentile per-packet one-way delay: 14.426 ms  
Loss rate: 0.11%



## Run 7: Report of LEDBAT — Data Link

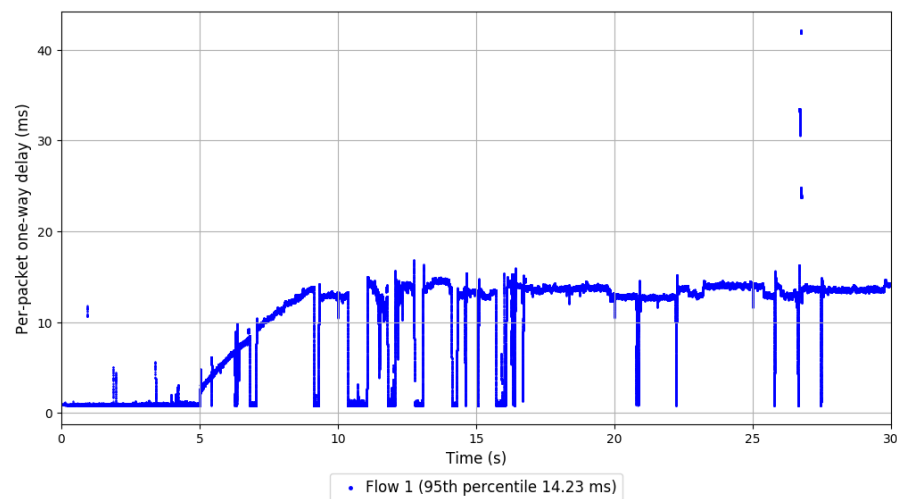
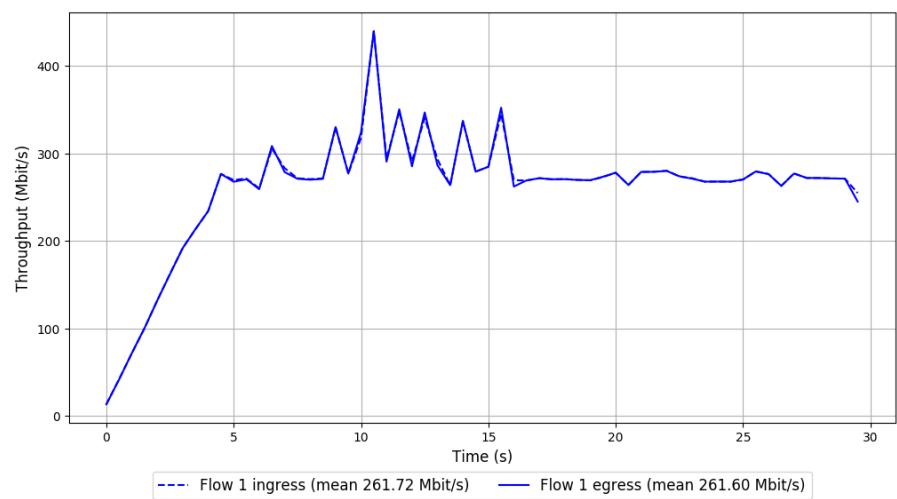


Run 8: Statistics of LEDBAT

Start at: 2017-08-21 20:21:49  
End at: 2017-08-21 20:22:20  
Local clock offset: 0.564 ms  
Remote clock offset: -2.187 ms

# Below is generated by plot.py at 2017-08-22 02:25:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 261.60 Mbit/s  
95th percentile per-packet one-way delay: 14.233 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 261.60 Mbit/s  
95th percentile per-packet one-way delay: 14.233 ms  
Loss rate: 0.11%

Run 8: Report of LEDBAT — Data Link

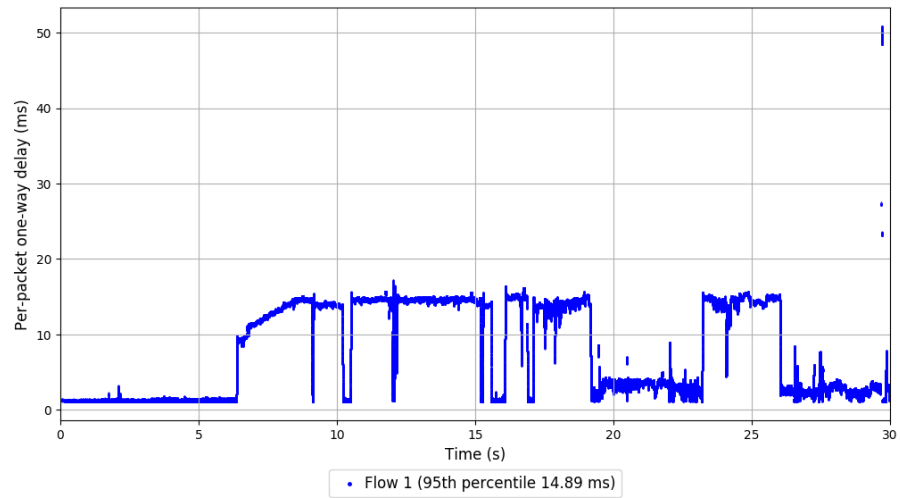
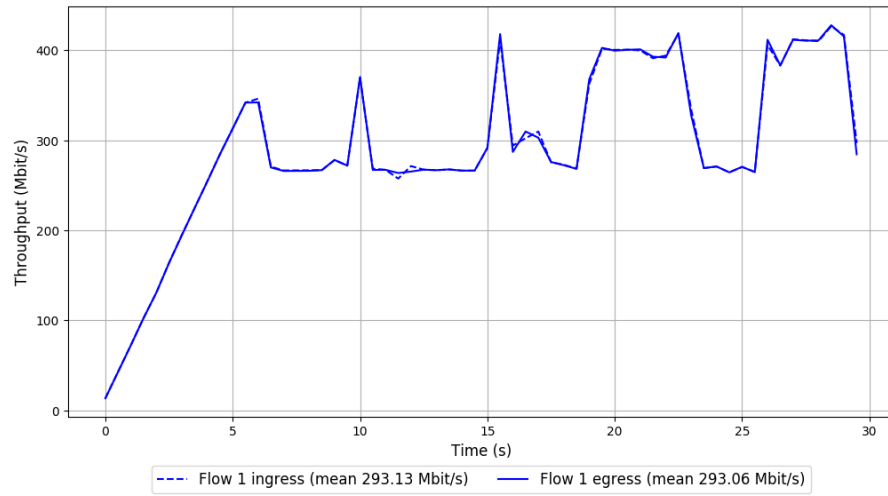


Run 9: Statistics of LEDBAT

Start at: 2017-08-21 20:42:44  
End at: 2017-08-21 20:43:14  
Local clock offset: 0.587 ms  
Remote clock offset: -1.945 ms

# Below is generated by plot.py at 2017-08-22 02:25:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 293.06 Mbit/s  
95th percentile per-packet one-way delay: 14.893 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 293.06 Mbit/s  
95th percentile per-packet one-way delay: 14.893 ms  
Loss rate: 0.09%

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

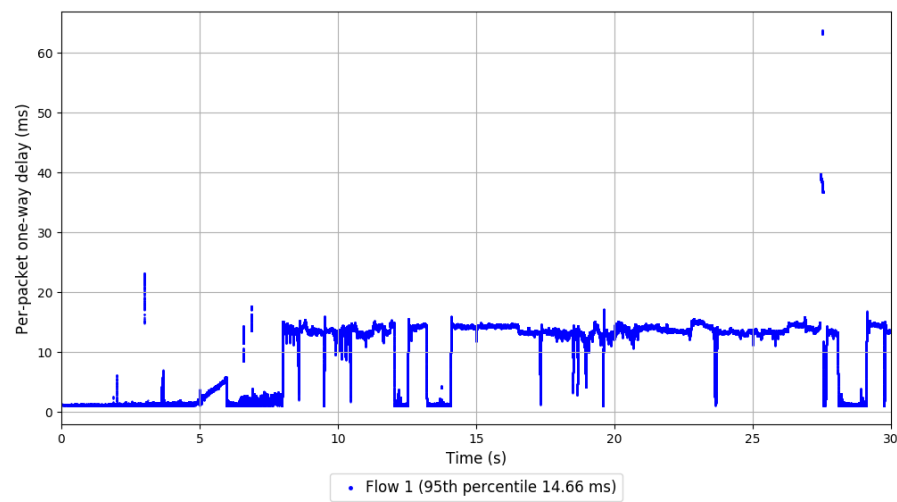
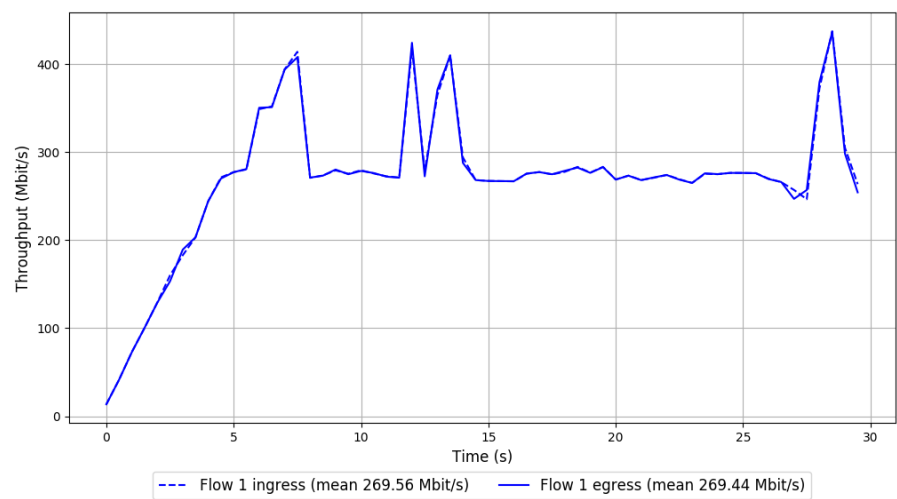


Run 10: Statistics of LEDBAT

Start at: 2017-08-21 21:03:42  
End at: 2017-08-21 21:04:12  
Local clock offset: 0.546 ms  
Remote clock offset: -1.961 ms

# Below is generated by plot.py at 2017-08-22 02:26:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 269.44 Mbit/s  
95th percentile per-packet one-way delay: 14.663 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 269.44 Mbit/s  
95th percentile per-packet one-way delay: 14.663 ms  
Loss rate: 0.11%

Run 10: Report of LEDBAT — Data Link



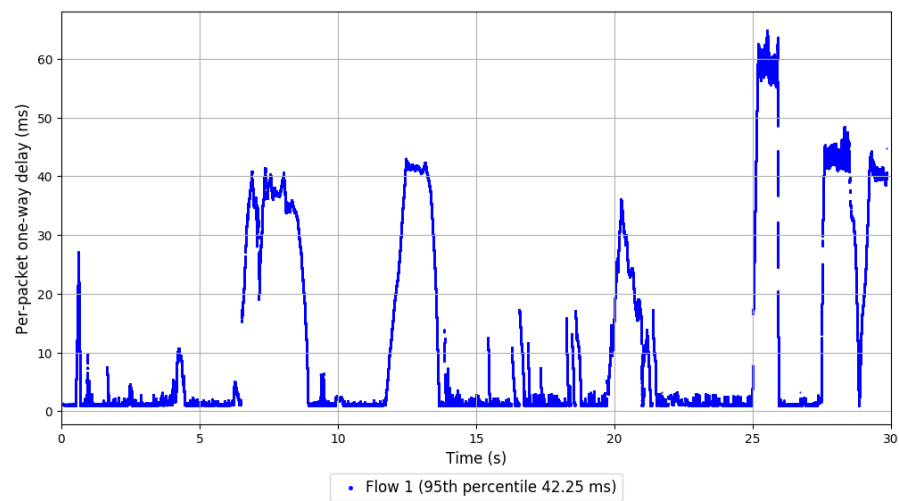
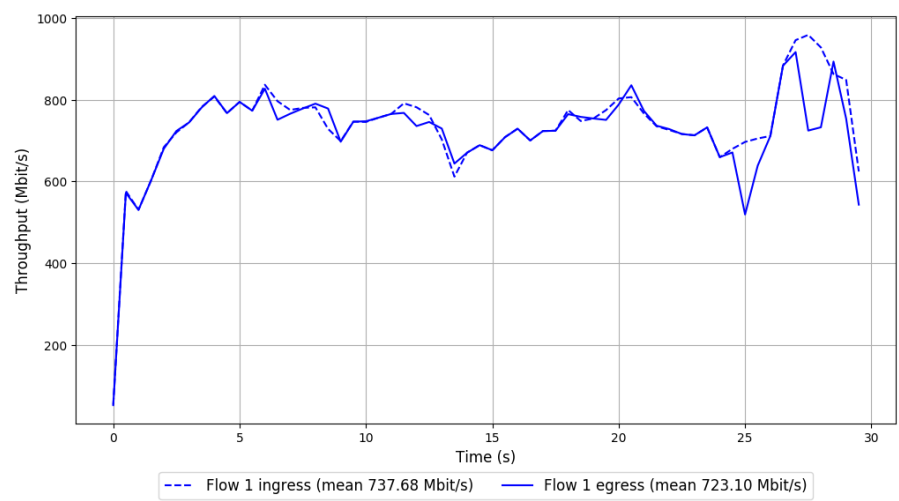
Run 1: Statistics of PCC

Start at: 2017-08-21 18:03:25  
End at: 2017-08-21 18:03:55  
Local clock offset: 0.392 ms  
Remote clock offset: -3.588 ms

# Below is generated by plot.py at 2017-08-22 02:27:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 723.10 Mbit/s  
95th percentile per-packet one-way delay: 42.249 ms  
Loss rate: 2.04%  
-- Flow 1:  
Average throughput: 723.10 Mbit/s  
95th percentile per-packet one-way delay: 42.249 ms  
Loss rate: 2.04%



Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: 2017-08-21 18:24:15

End at: 2017-08-21 18:24:45

Local clock offset: 0.541 ms

Remote clock offset: -3.29 ms

# Below is generated by plot.py at 2017-08-22 02:27:44

# Datalink statistics

-- Total of 1 flow:

Average throughput: 732.56 Mbit/s

95th percentile per-packet one-way delay: 37.612 ms

Loss rate: 1.19%

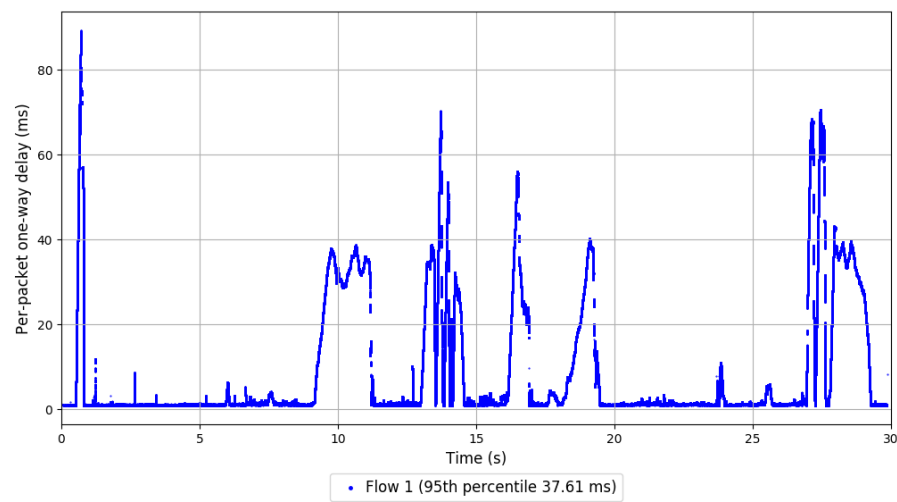
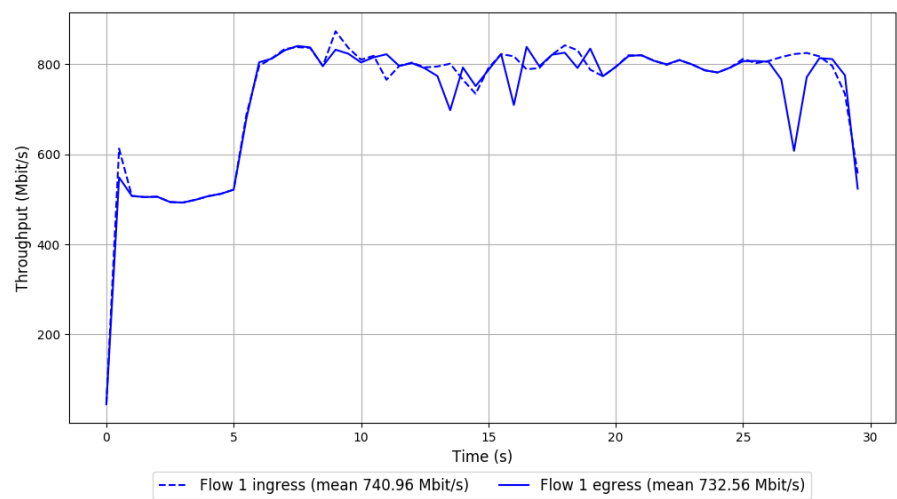
-- Flow 1:

Average throughput: 732.56 Mbit/s

95th percentile per-packet one-way delay: 37.612 ms

Loss rate: 1.19%

Run 2: Report of PCC — Data Link

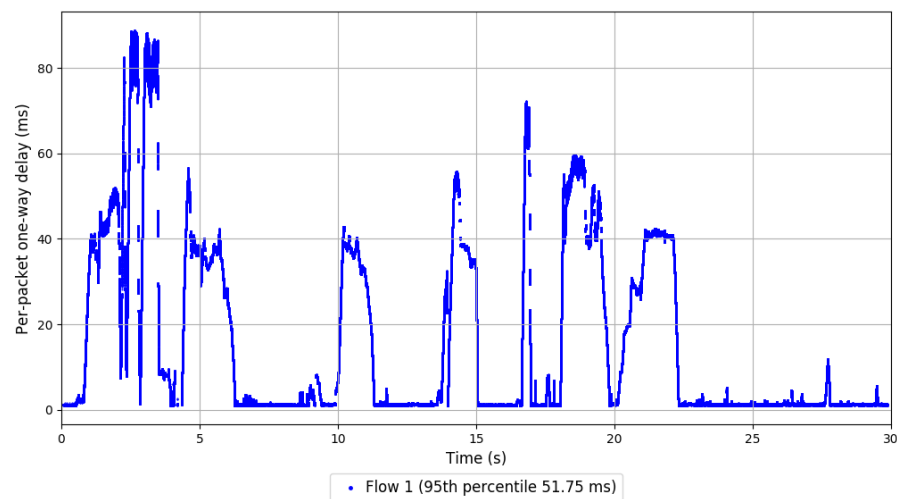
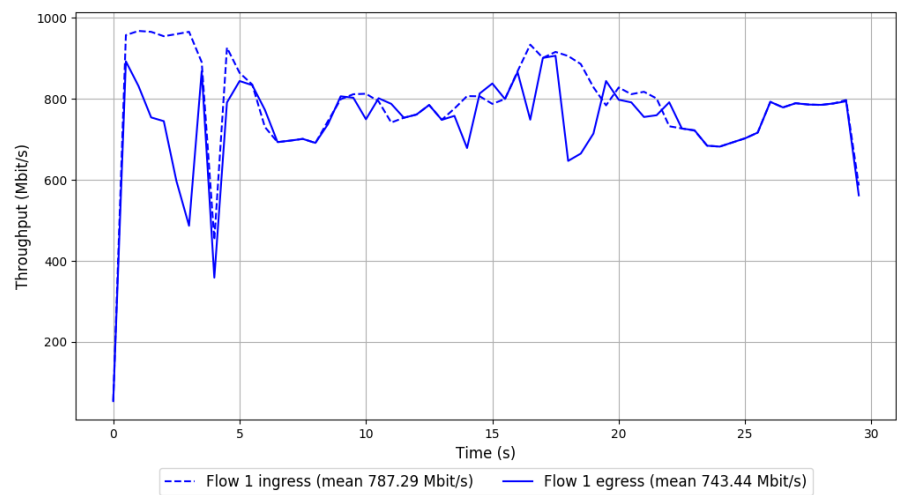


Run 3: Statistics of PCC

Start at: 2017-08-21 18:45:02  
End at: 2017-08-21 18:45:32  
Local clock offset: 0.694 ms  
Remote clock offset: -3.226 ms

# Below is generated by plot.py at 2017-08-22 02:29:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 743.44 Mbit/s  
95th percentile per-packet one-way delay: 51.754 ms  
Loss rate: 5.65%  
-- Flow 1:  
Average throughput: 743.44 Mbit/s  
95th percentile per-packet one-way delay: 51.754 ms  
Loss rate: 5.65%

Run 3: Report of PCC — Data Link

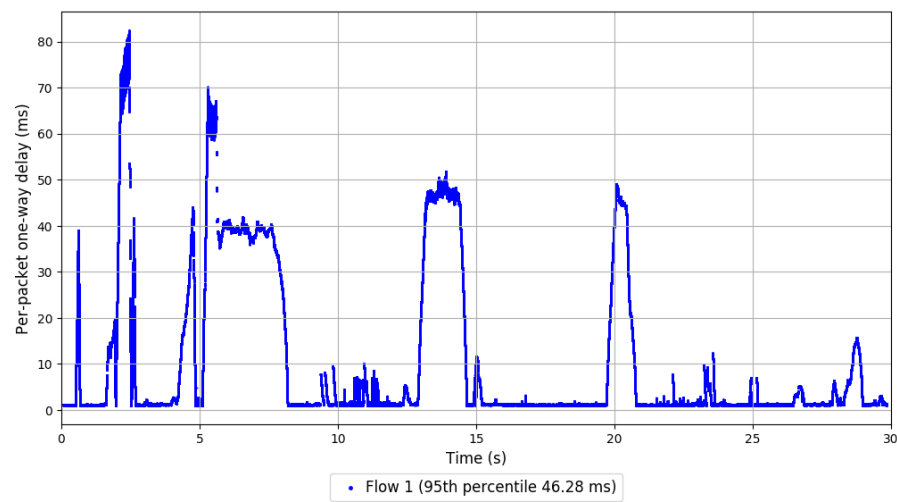
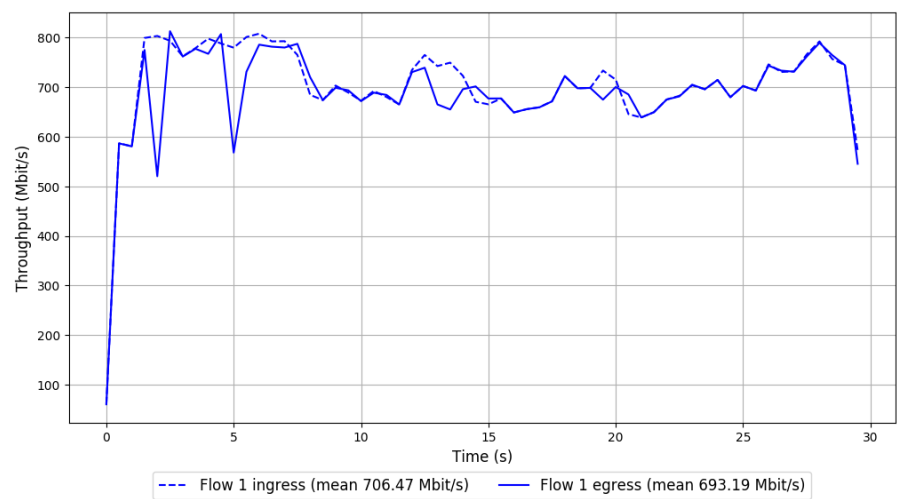


Run 4: Statistics of PCC

Start at: 2017-08-21 19:05:51  
End at: 2017-08-21 19:06:21  
Local clock offset: 0.867 ms  
Remote clock offset: -2.744 ms

# Below is generated by plot.py at 2017-08-22 02:29:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 693.19 Mbit/s  
95th percentile per-packet one-way delay: 46.278 ms  
Loss rate: 1.94%  
-- Flow 1:  
Average throughput: 693.19 Mbit/s  
95th percentile per-packet one-way delay: 46.278 ms  
Loss rate: 1.94%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: 2017-08-21 19:26:41

End at: 2017-08-21 19:27:11

Local clock offset: 1.079 ms

Remote clock offset: -2.71 ms

# Below is generated by plot.py at 2017-08-22 02:30:15

# Datalink statistics

-- Total of 1 flow:

Average throughput: 735.98 Mbit/s

95th percentile per-packet one-way delay: 45.949 ms

Loss rate: 2.68%

-- Flow 1:

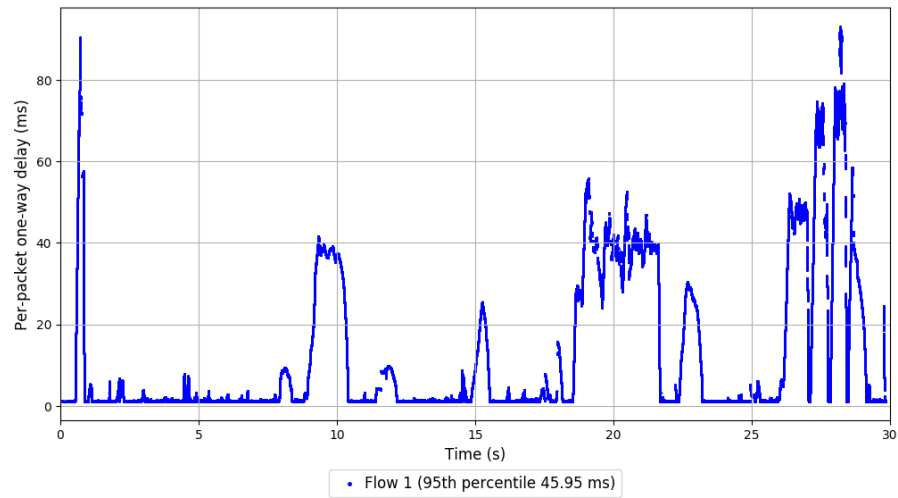
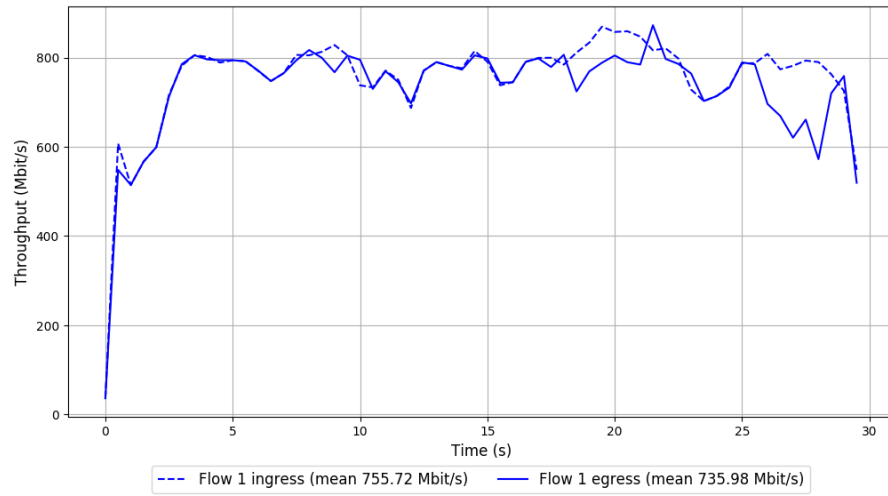
Average throughput: 735.98 Mbit/s

95th percentile per-packet one-way delay: 45.949 ms

Loss rate: 2.68%



### Run 5: Report of PCC — Data Link

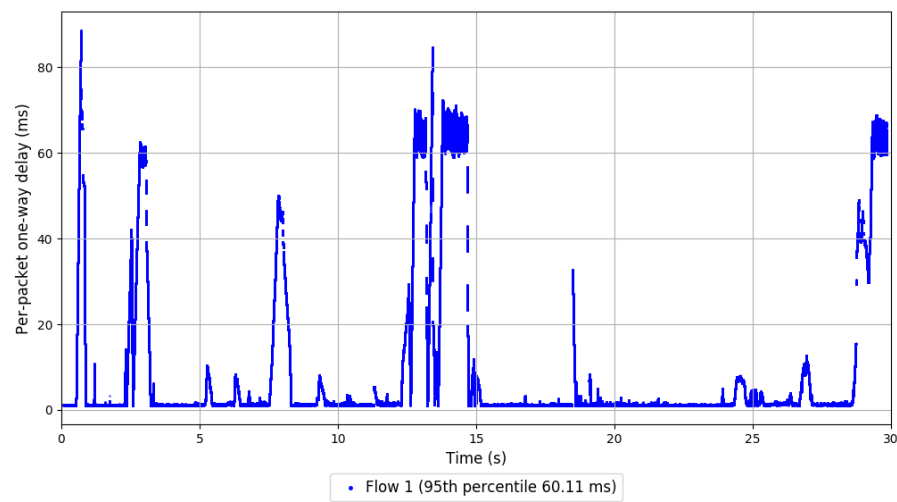
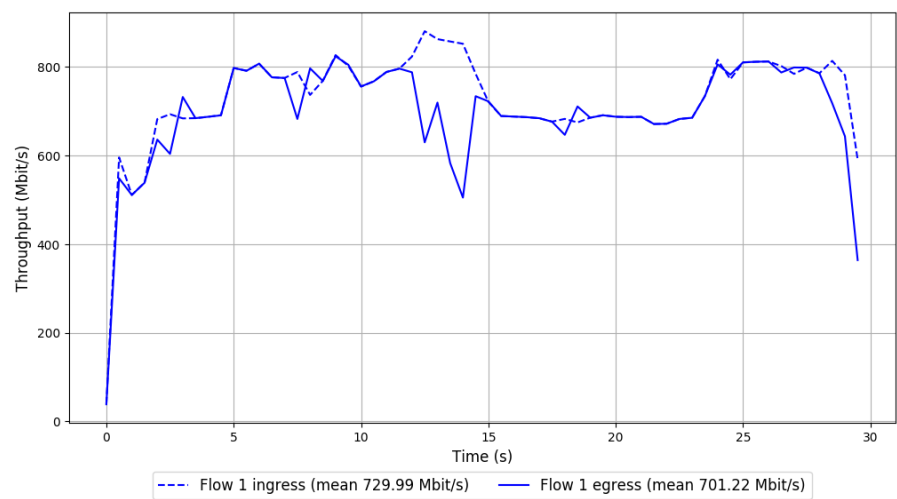


Run 6: Statistics of PCC

Start at: 2017-08-21 19:47:21  
End at: 2017-08-21 19:47:51  
Local clock offset: 0.985 ms  
Remote clock offset: -2.618 ms

# Below is generated by plot.py at 2017-08-22 02:30:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 701.22 Mbit/s  
95th percentile per-packet one-way delay: 60.110 ms  
Loss rate: 4.00%  
-- Flow 1:  
Average throughput: 701.22 Mbit/s  
95th percentile per-packet one-way delay: 60.110 ms  
Loss rate: 4.00%

Run 6: Report of PCC — Data Link

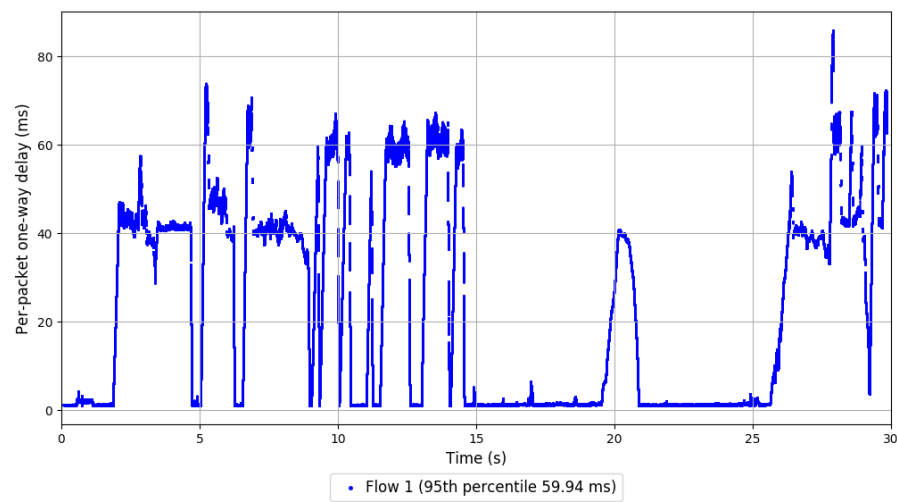
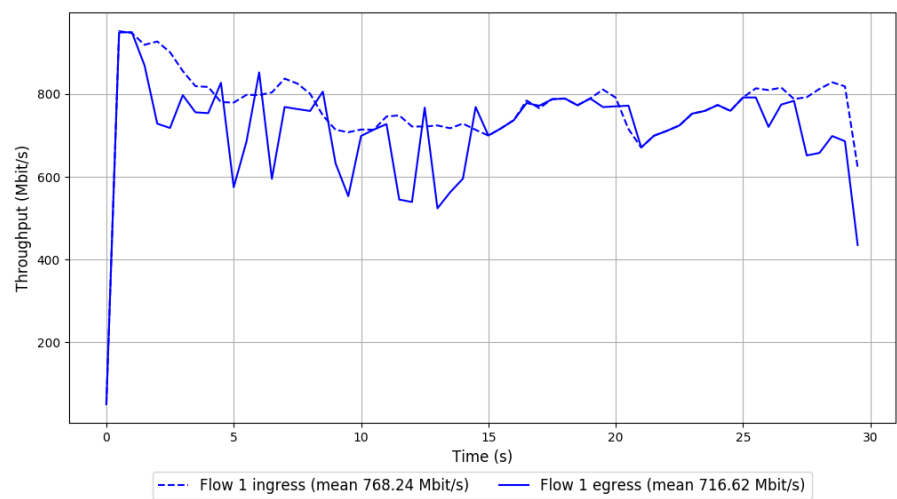


Run 7: Statistics of PCC

Start at: 2017-08-21 20:08:05  
End at: 2017-08-21 20:08:35  
Local clock offset: 0.746 ms  
Remote clock offset: -2.684 ms

# Below is generated by plot.py at 2017-08-22 02:31:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 716.62 Mbit/s  
95th percentile per-packet one-way delay: 59.942 ms  
Loss rate: 6.78%  
-- Flow 1:  
Average throughput: 716.62 Mbit/s  
95th percentile per-packet one-way delay: 59.942 ms  
Loss rate: 6.78%

Run 7: Report of PCC — Data Link

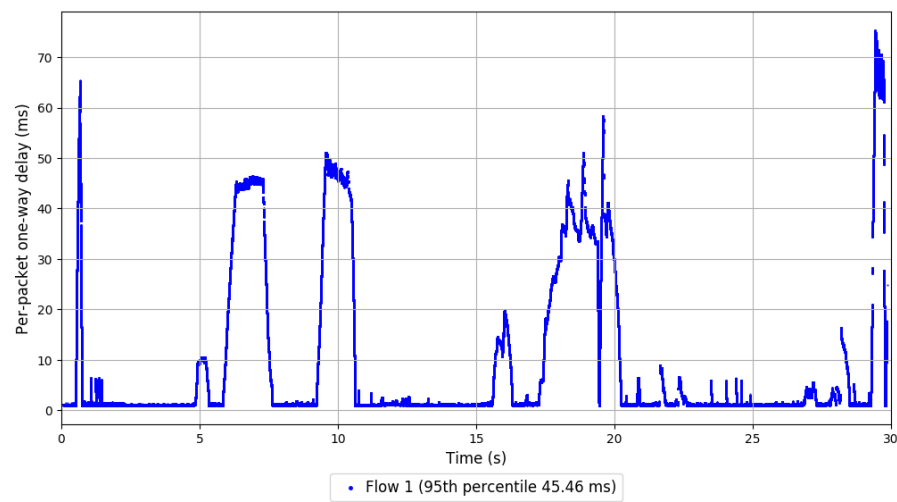
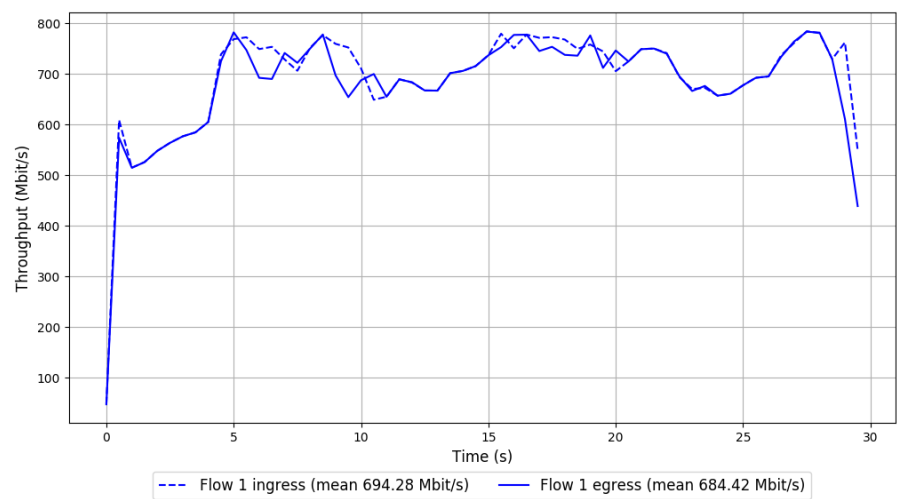


Run 8: Statistics of PCC

Start at: 2017-08-21 20:29:00  
End at: 2017-08-21 20:29:30  
Local clock offset: 0.518 ms  
Remote clock offset: -2.122 ms

# Below is generated by plot.py at 2017-08-22 02:32:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 684.42 Mbit/s  
95th percentile per-packet one-way delay: 45.457 ms  
Loss rate: 1.48%  
-- Flow 1:  
Average throughput: 684.42 Mbit/s  
95th percentile per-packet one-way delay: 45.457 ms  
Loss rate: 1.48%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: 2017-08-21 20:49:50

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

Local clock offset: 0.583 ms

Remote clock offset: -1.85 ms

# Below is generated by plot.py at 2017-08-22 02:33:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 690.14 Mbit/s

95th percentile per-packet one-way delay: 60.739 ms

Loss rate: 3.96%

-- Flow 1:

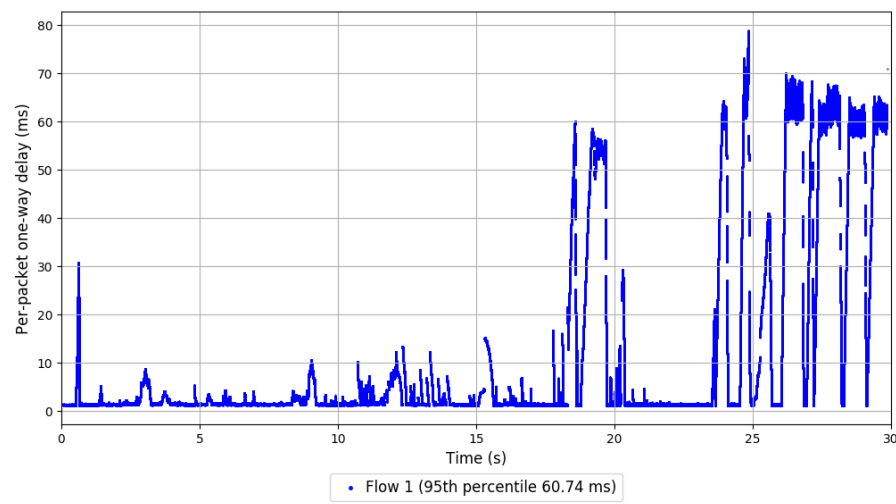
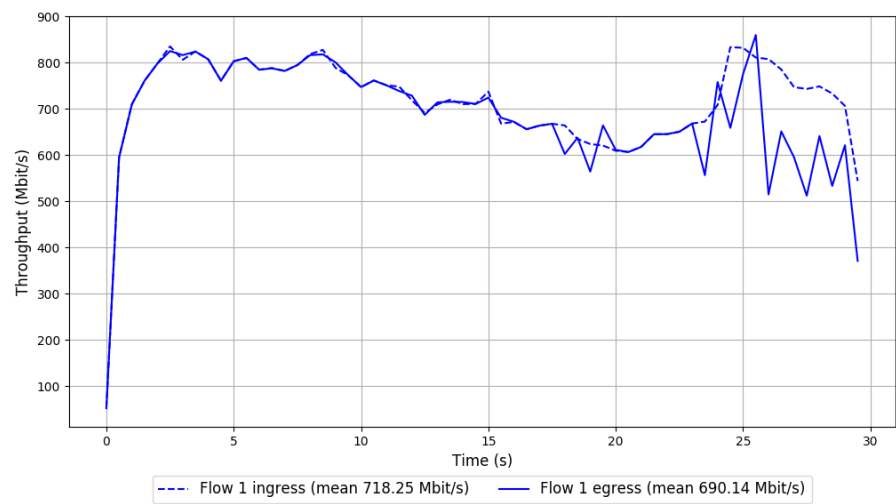
Average throughput: 690.14 Mbit/s

95th percentile per-packet one-way delay: 60.739 ms

Loss rate: 3.96%



Run 9: Report of PCC — Data Link

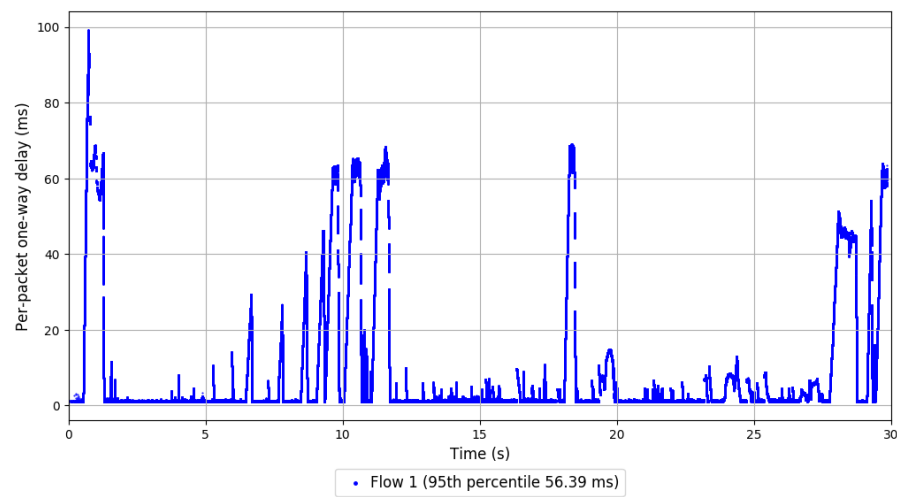
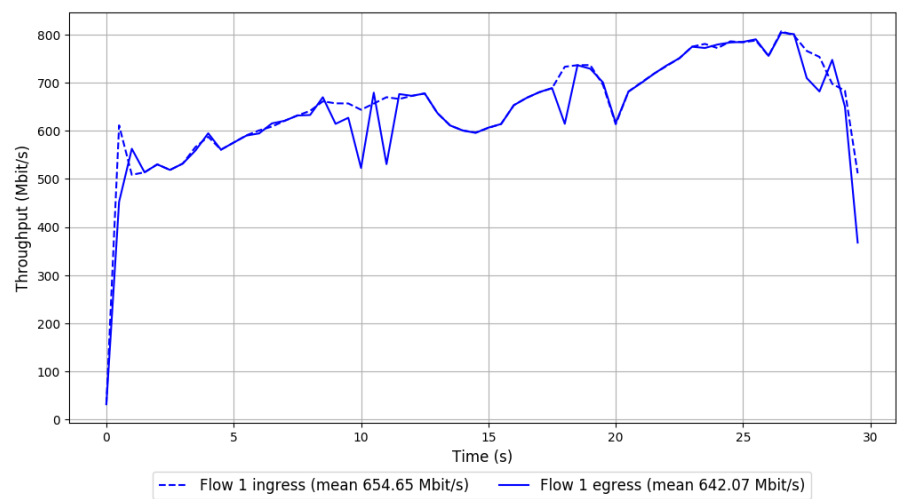


Run 10: Statistics of PCC

Start at: 2017-08-21 21:10:46  
End at: 2017-08-21 21:11:16  
Local clock offset: 0.487 ms  
Remote clock offset: -1.962 ms

# Below is generated by plot.py at 2017-08-22 02:33:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 642.07 Mbit/s  
95th percentile per-packet one-way delay: 56.386 ms  
Loss rate: 1.99%  
-- Flow 1:  
Average throughput: 642.07 Mbit/s  
95th percentile per-packet one-way delay: 56.386 ms  
Loss rate: 1.99%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2017-08-21 17:52:14

End at: 2017-08-21 17:52:44

Local clock offset: 0.445 ms

Remote clock offset: -3.65 ms

# Below is generated by plot.py at 2017-08-22 02:33:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.69 Mbit/s

95th percentile per-packet one-way delay: 1.203 ms

Loss rate: 0.06%

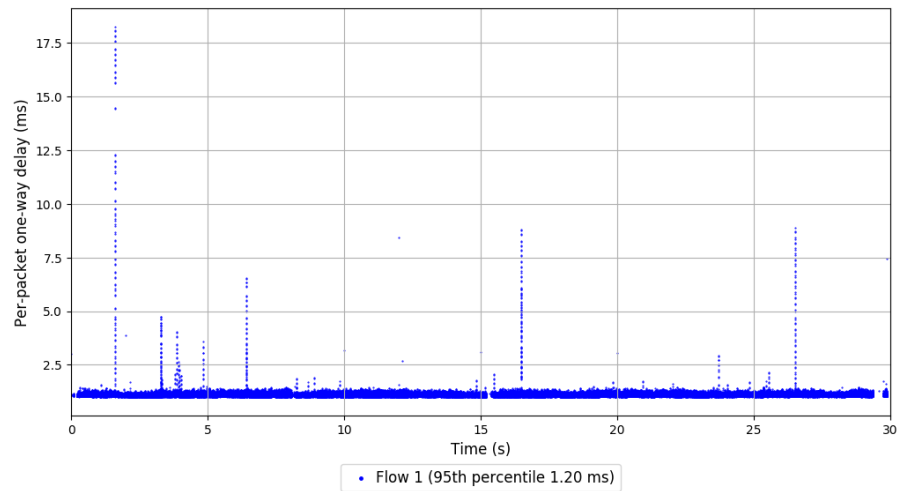
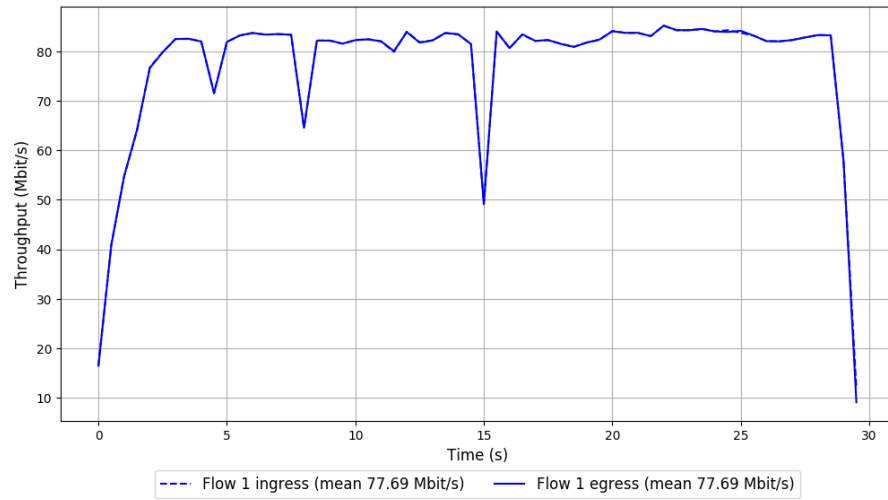
-- Flow 1:

Average throughput: 77.69 Mbit/s

95th percentile per-packet one-way delay: 1.203 ms

Loss rate: 0.06%

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



Run 2: Statistics of QUIC Cubic

Start at: 2017-08-21 18:13:00

End at: 2017-08-21 18:13:30

Local clock offset: 0.449 ms

Remote clock offset: -3.495 ms

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

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.21 Mbit/s

95th percentile per-packet one-way delay: 1.261 ms

Loss rate: 0.09%

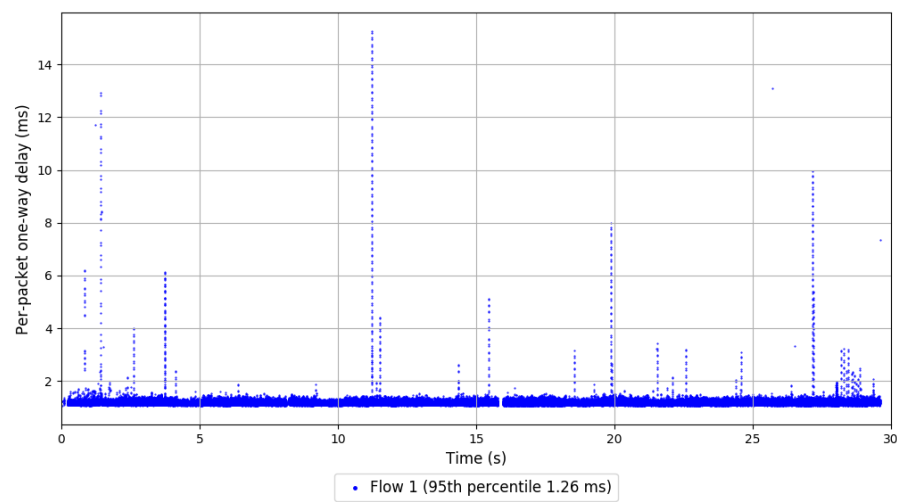
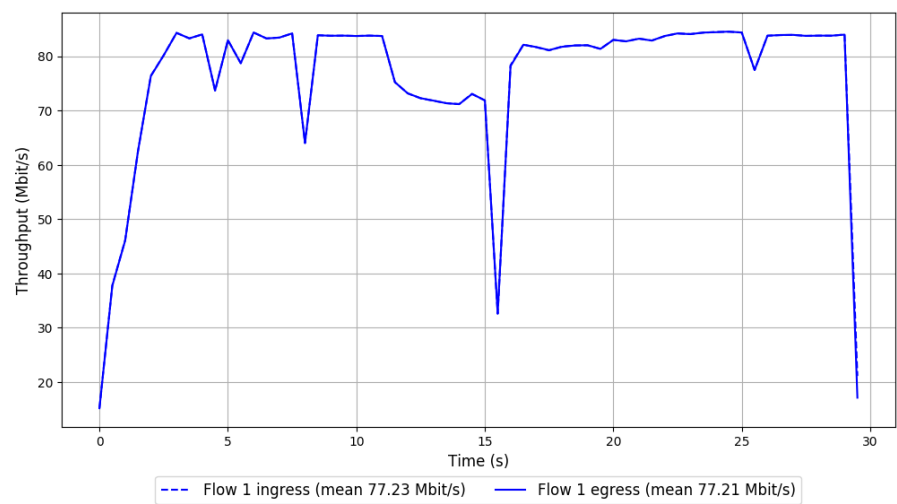
-- Flow 1:

Average throughput: 77.21 Mbit/s

95th percentile per-packet one-way delay: 1.261 ms

Loss rate: 0.09%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: 2017-08-21 18:33:48

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

Local clock offset: 0.681 ms

Remote clock offset: -3.377 ms

# Below is generated by plot.py at 2017-08-22 02:34:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.85 Mbit/s

95th percentile per-packet one-way delay: 1.222 ms

Loss rate: 0.00%

-- Flow 1:

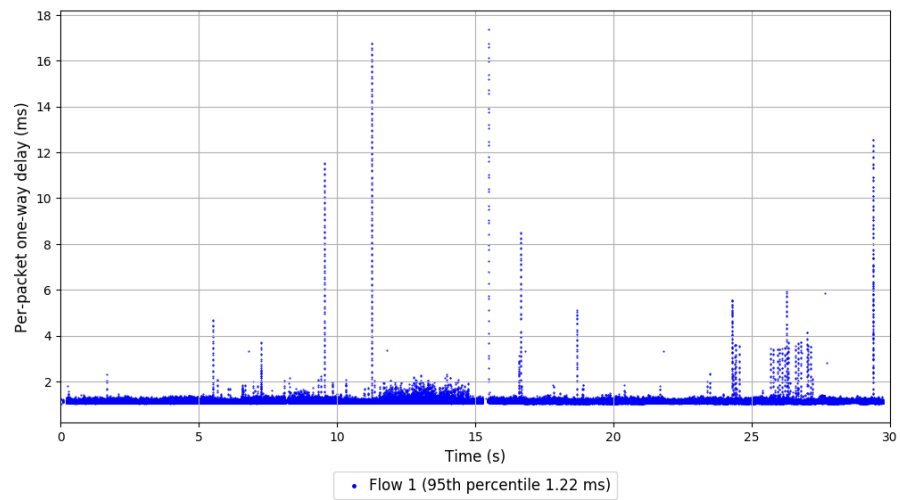
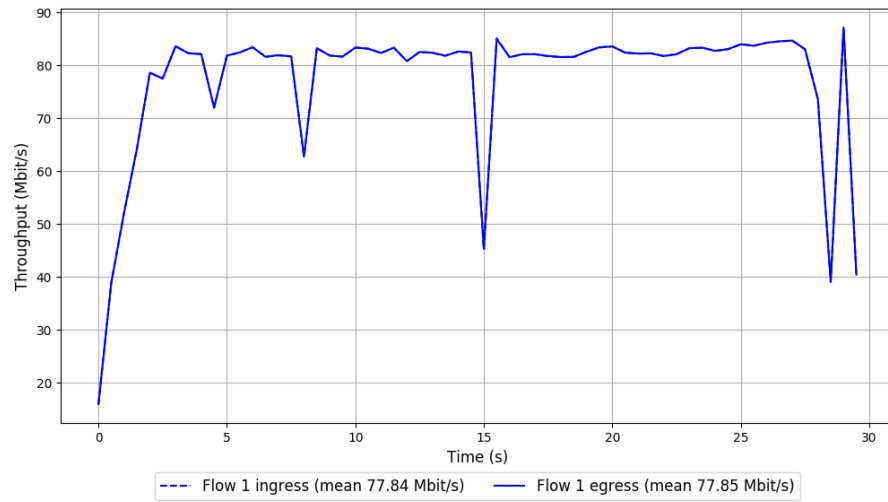
Average throughput: 77.85 Mbit/s

95th percentile per-packet one-way delay: 1.222 ms

Loss rate: 0.00%



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



Run 4: Statistics of QUIC Cubic

Start at: 2017-08-21 18:54:50

End at: 2017-08-21 18:55:20

Local clock offset: 0.824 ms

Remote clock offset: -3.002 ms

# Below is generated by plot.py at 2017-08-22 02:34:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.30 Mbit/s

95th percentile per-packet one-way delay: 1.267 ms

Loss rate: 0.03%

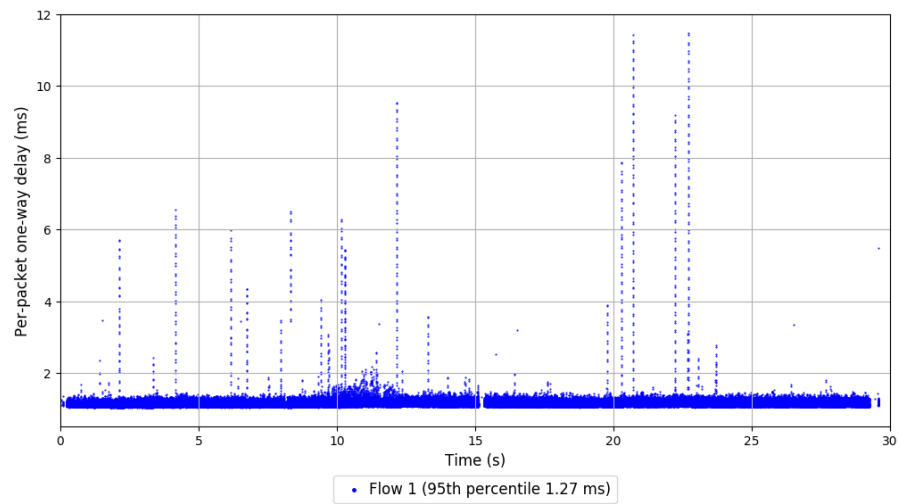
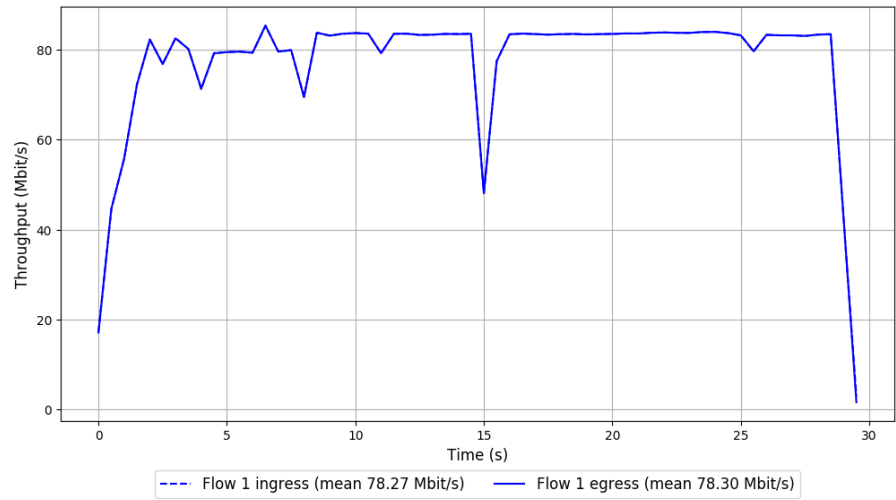
-- Flow 1:

Average throughput: 78.30 Mbit/s

95th percentile per-packet one-way delay: 1.267 ms

Loss rate: 0.03%

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

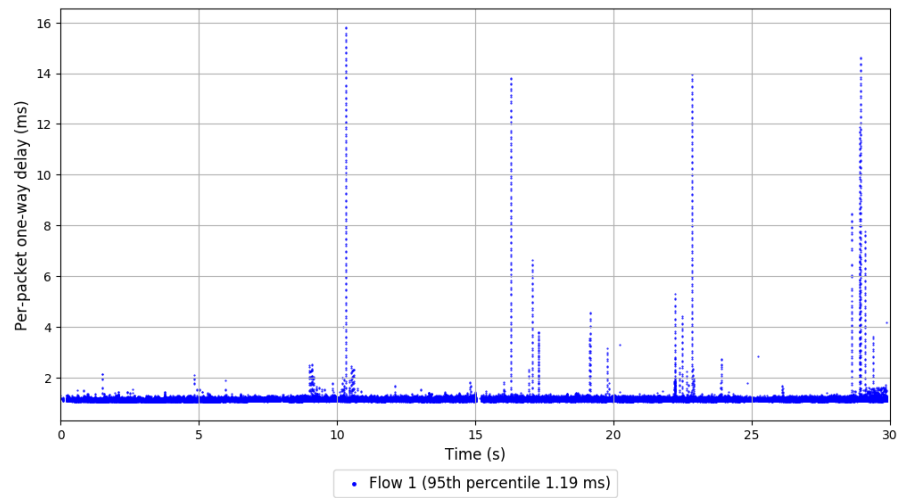
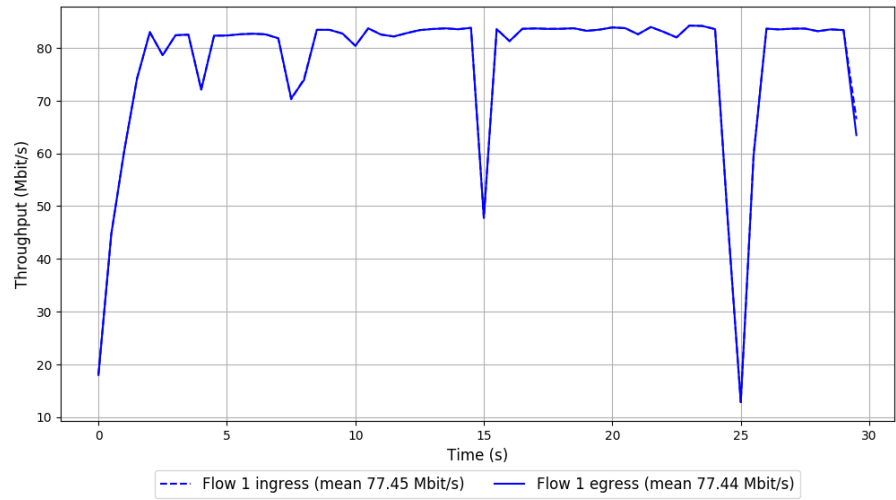


Run 5: Statistics of QUIC Cubic

Start at: 2017-08-21 19:15:31  
End at: 2017-08-21 19:16:01  
Local clock offset: 1.019 ms  
Remote clock offset: -2.759 ms

# Below is generated by plot.py at 2017-08-22 02:34:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.44 Mbit/s  
95th percentile per-packet one-way delay: 1.191 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 77.44 Mbit/s  
95th percentile per-packet one-way delay: 1.191 ms  
Loss rate: 0.07%

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



Run 6: Statistics of QUIC Cubic

Start at: 2017-08-21 19:36:26

End at: 2017-08-21 19:36:56

Local clock offset: 1.077 ms

Remote clock offset: -2.648 ms

# Below is generated by plot.py at 2017-08-22 02:34:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.27 Mbit/s

95th percentile per-packet one-way delay: 1.189 ms

Loss rate: 0.06%

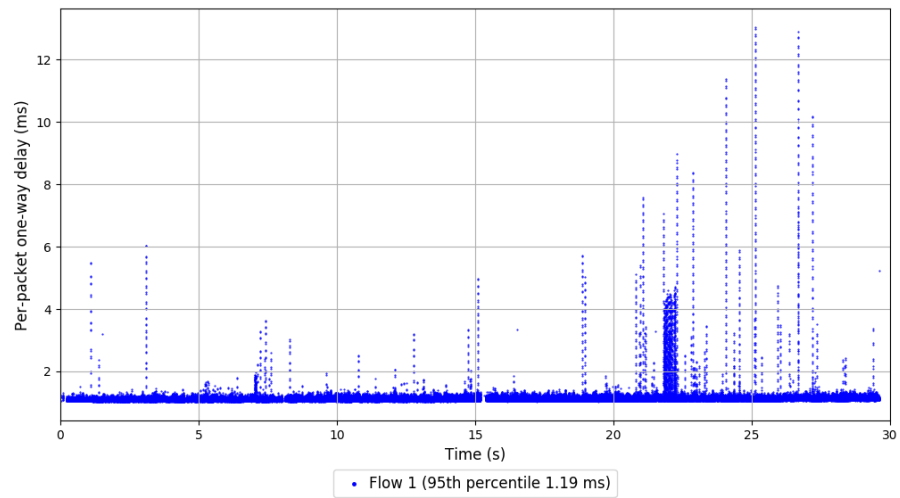
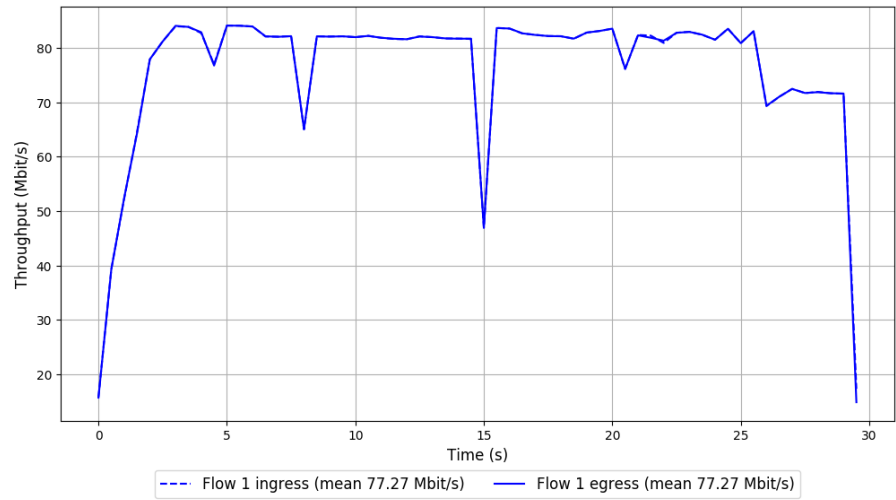
-- Flow 1:

Average throughput: 77.27 Mbit/s

95th percentile per-packet one-way delay: 1.189 ms

Loss rate: 0.06%

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



Run 7: Statistics of QUIC Cubic

Start at: 2017-08-21 19:57:05

End at: 2017-08-21 19:57:35

Local clock offset: 1.009 ms

Remote clock offset: -2.611 ms

# Below is generated by plot.py at 2017-08-22 02:34:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.67 Mbit/s

95th percentile per-packet one-way delay: 1.141 ms

Loss rate: 0.07%

-- Flow 1:

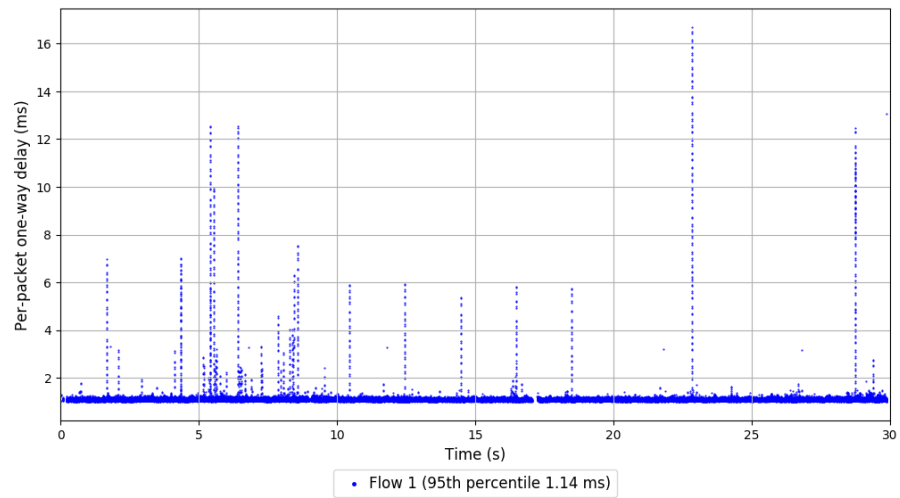
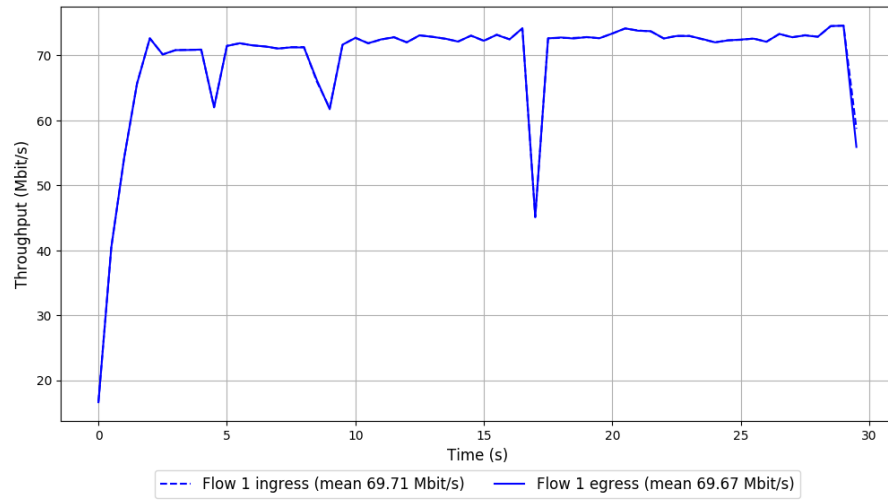
Average throughput: 69.67 Mbit/s

95th percentile per-packet one-way delay: 1.141 ms

Loss rate: 0.07%



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

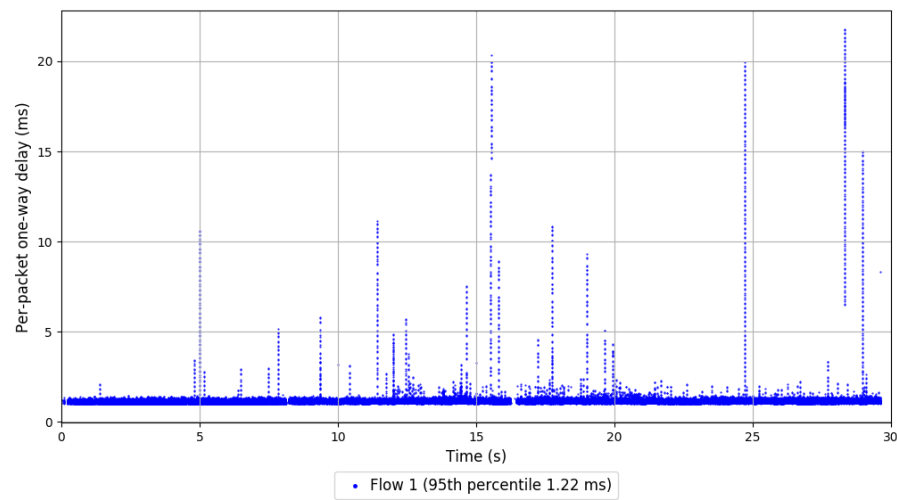
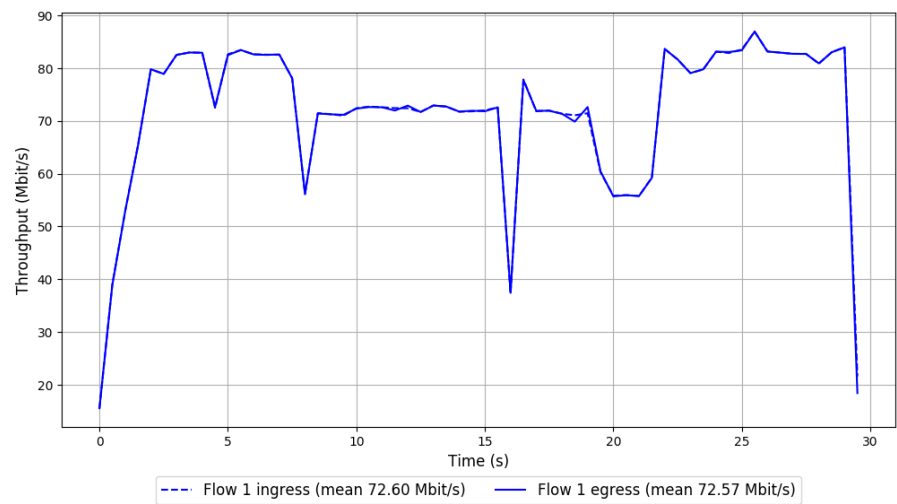


Run 8: Statistics of QUIC Cubic

Start at: 2017-08-21 20:17:40  
End at: 2017-08-21 20:18:10  
Local clock offset: 0.678 ms  
Remote clock offset: -2.386 ms

# Below is generated by plot.py at 2017-08-22 02:34:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 72.57 Mbit/s  
95th percentile per-packet one-way delay: 1.218 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 72.57 Mbit/s  
95th percentile per-packet one-way delay: 1.218 ms  
Loss rate: 0.08%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: 2017-08-21 20:38:38

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

Local clock offset: 0.482 ms

Remote clock offset: -2.009 ms

# Below is generated by plot.py at 2017-08-22 02:34:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.85 Mbit/s

95th percentile per-packet one-way delay: 1.173 ms

Loss rate: 0.00%

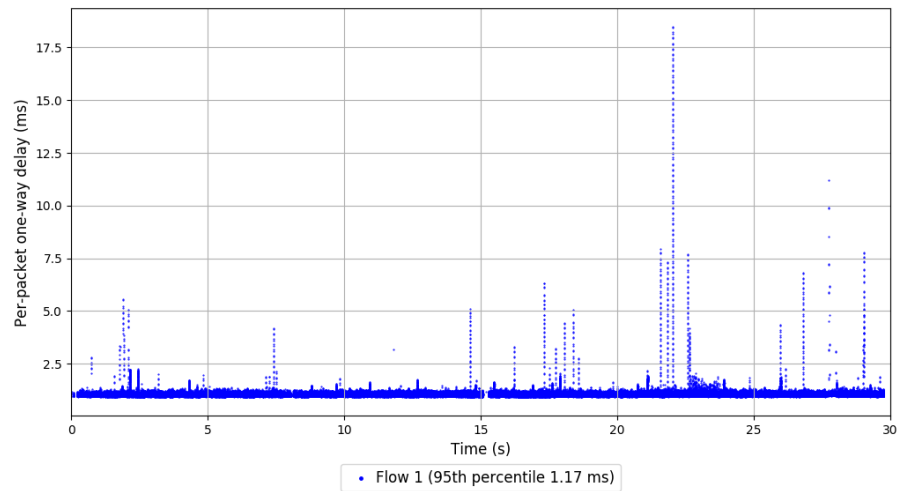
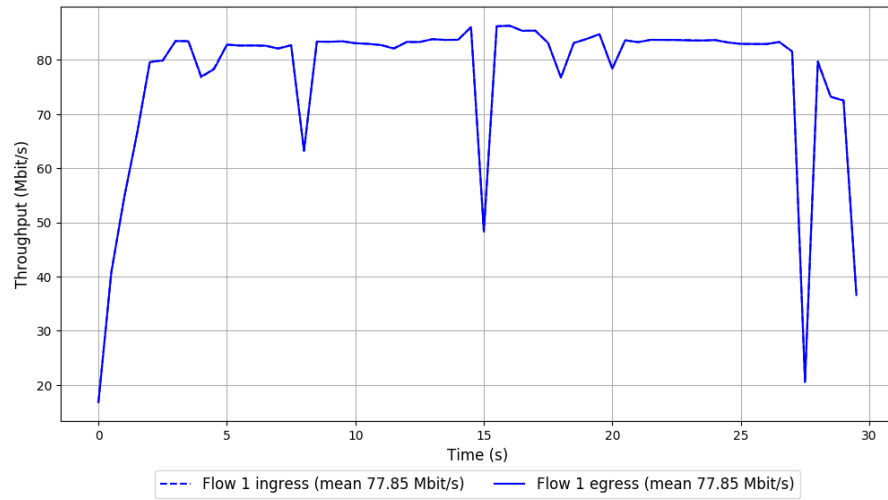
-- Flow 1:

Average throughput: 77.85 Mbit/s

95th percentile per-packet one-way delay: 1.173 ms

Loss rate: 0.00%

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

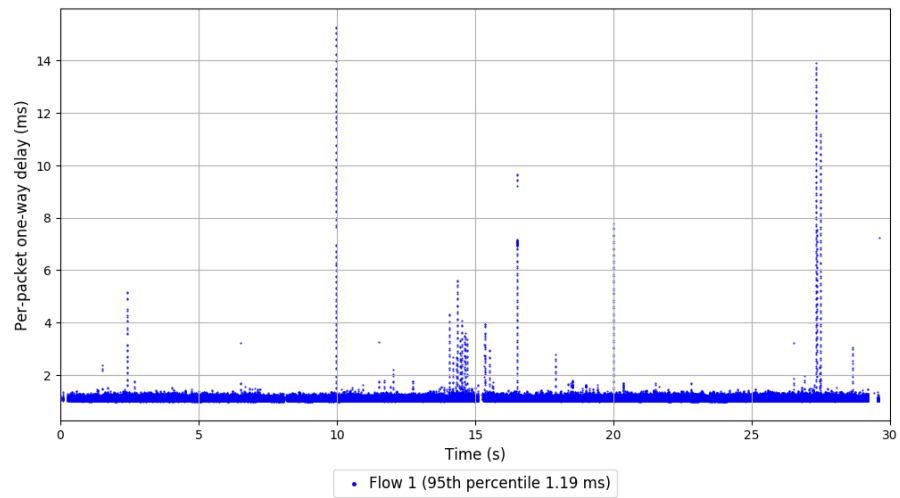
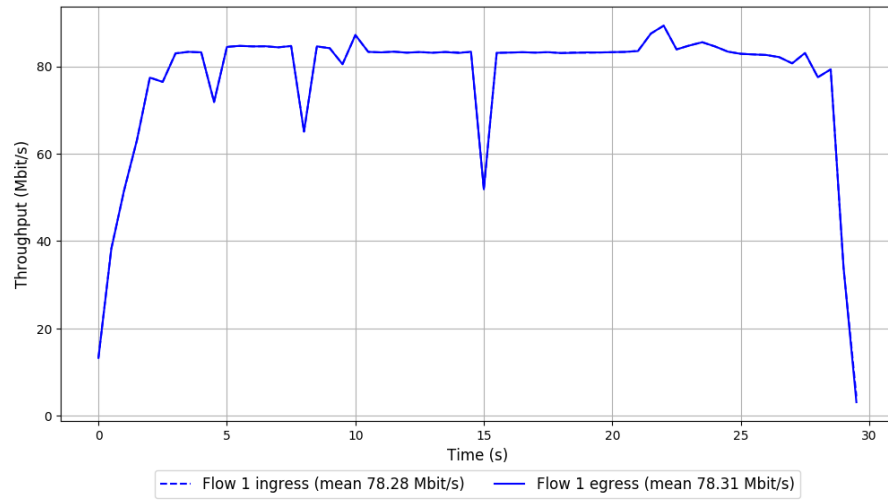


Run 10: Statistics of QUIC Cubic

Start at: 2017-08-21 20:59:30  
End at: 2017-08-21 21:00:00  
Local clock offset: 0.546 ms  
Remote clock offset: -1.913 ms

# Below is generated by plot.py at 2017-08-22 02:34:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.31 Mbit/s  
95th percentile per-packet one-way delay: 1.192 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 78.31 Mbit/s  
95th percentile per-packet one-way delay: 1.192 ms  
Loss rate: 0.03%

# Run 10: Report of QUIC Cubic — Data Link



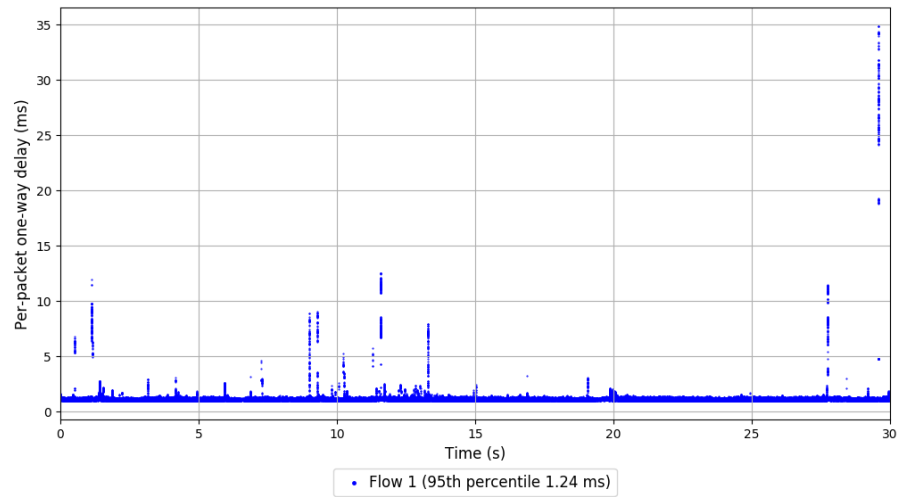
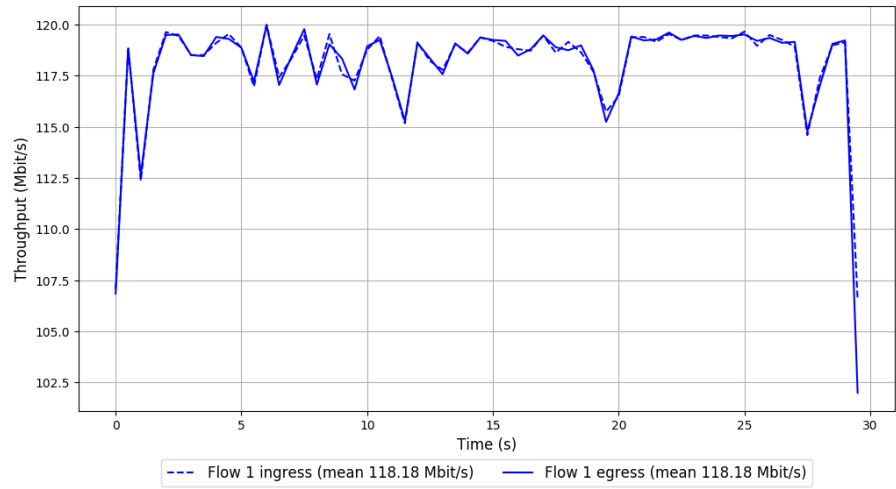
Run 1: Statistics of Saturator

Start at: 2017-08-21 17:59:21  
End at: 2017-08-21 17:59:51  
Local clock offset: 0.335 ms  
Remote clock offset: -3.676 ms

# Below is generated by plot.py at 2017-08-22 02:34:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 118.18 Mbit/s  
95th percentile per-packet one-way delay: 1.240 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 118.18 Mbit/s  
95th percentile per-packet one-way delay: 1.240 ms  
Loss rate: 0.07%



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

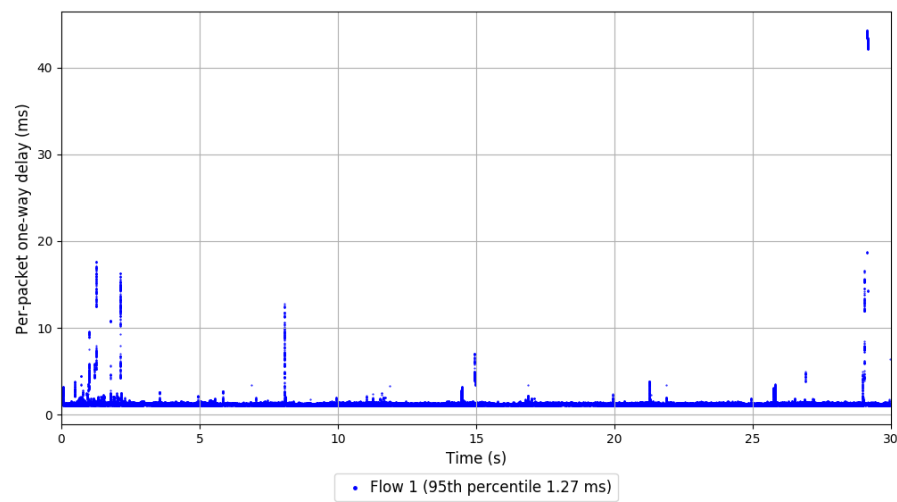
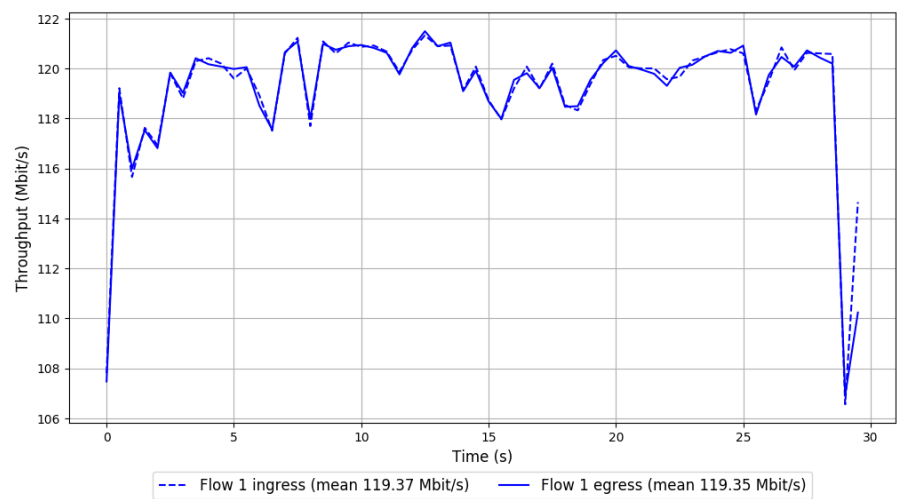


Run 2: Statistics of Saturator

Start at: 2017-08-21 18:20:05  
End at: 2017-08-21 18:20:35  
Local clock offset: 0.537 ms  
Remote clock offset: -3.358 ms

# Below is generated by plot.py at 2017-08-22 02:35:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 119.35 Mbit/s  
95th percentile per-packet one-way delay: 1.275 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 119.35 Mbit/s  
95th percentile per-packet one-way delay: 1.275 ms  
Loss rate: 0.07%

Run 2: Report of Saturator — Data Link

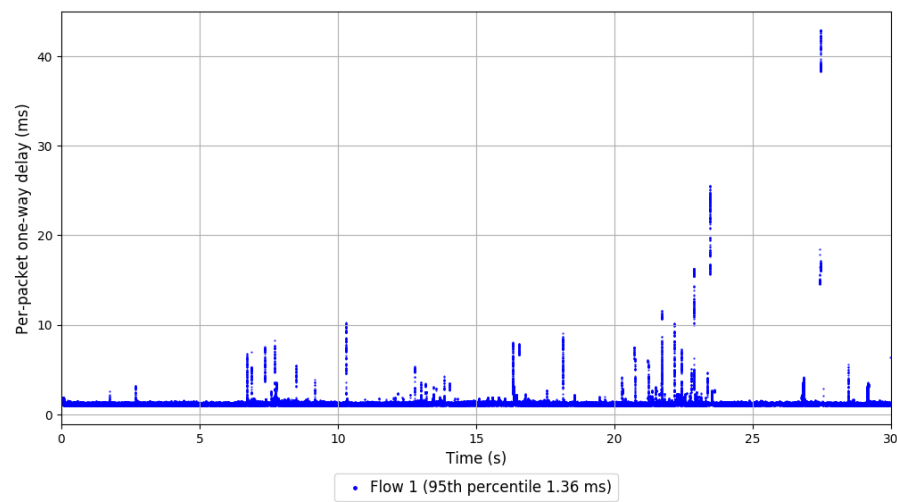
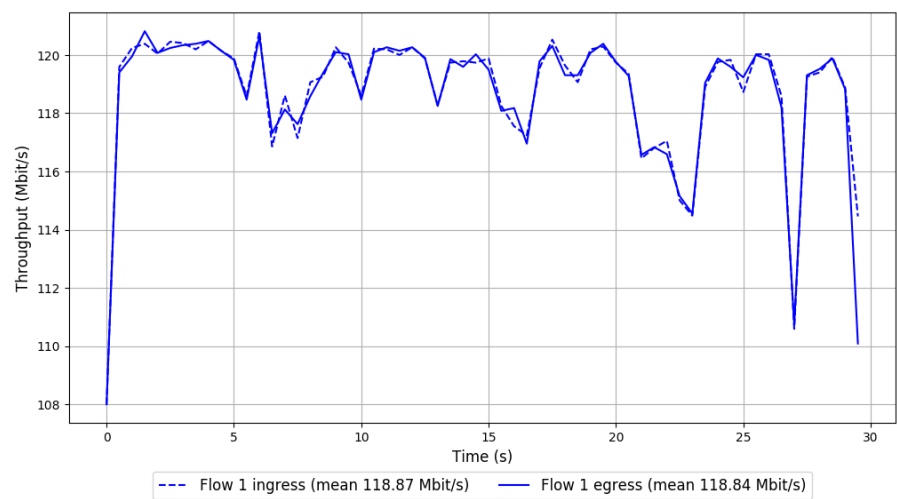


Run 3: Statistics of Saturator

Start at: 2017-08-21 18:40:53  
End at: 2017-08-21 18:41:23  
Local clock offset: 0.755 ms  
Remote clock offset: -3.278 ms

# Below is generated by plot.py at 2017-08-22 02:35:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 118.84 Mbit/s  
95th percentile per-packet one-way delay: 1.357 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 118.84 Mbit/s  
95th percentile per-packet one-way delay: 1.357 ms  
Loss rate: 0.07%

Run 3: Report of Saturator — Data Link

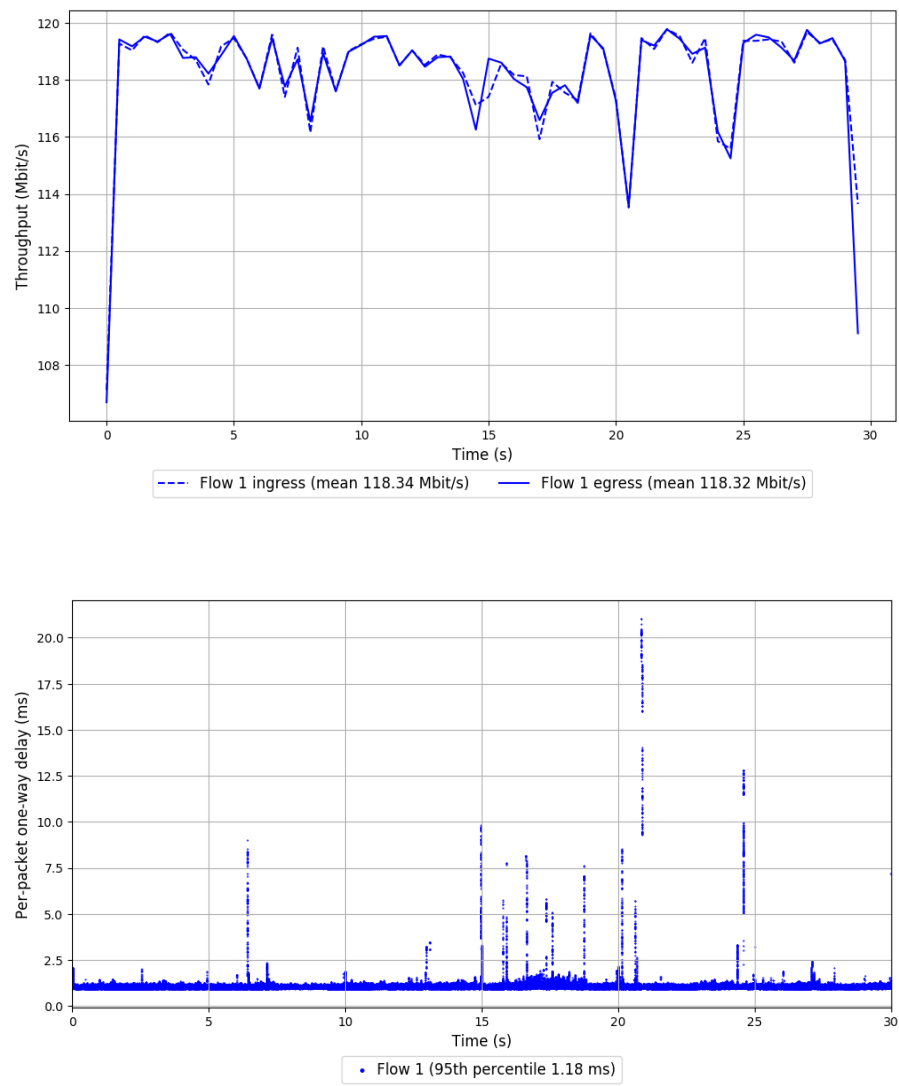


Run 4: Statistics of Saturator

Start at: 2017-08-21 19:01:44  
End at: 2017-08-21 19:02:14  
Local clock offset: 0.806 ms  
Remote clock offset: -2.761 ms

# Below is generated by plot.py at 2017-08-22 02:35:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 118.32 Mbit/s  
95th percentile per-packet one-way delay: 1.177 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 118.32 Mbit/s  
95th percentile per-packet one-way delay: 1.177 ms  
Loss rate: 0.07%

Run 4: Report of Saturator — Data Link



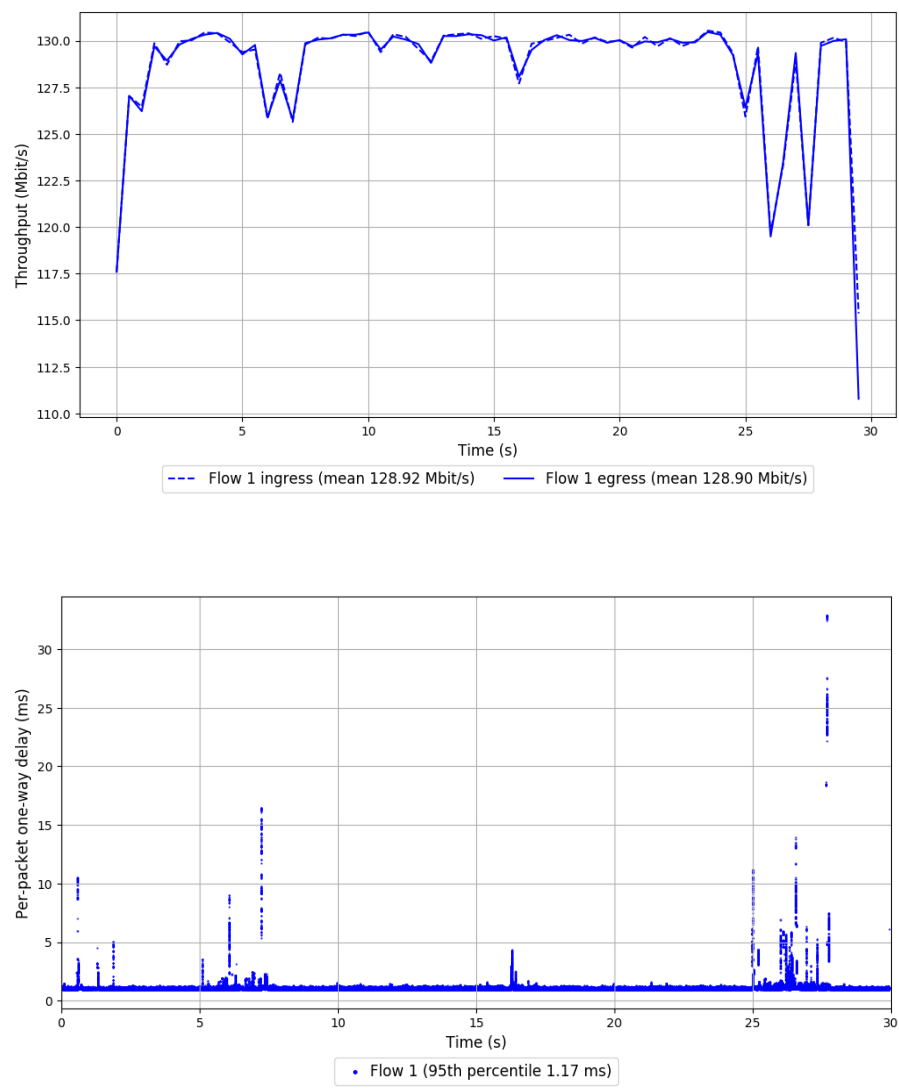
Run 5: Statistics of Saturator

Start at: 2017-08-21 19:22:34  
End at: 2017-08-21 19:23:04  
Local clock offset: 1.039 ms  
Remote clock offset: -2.603 ms

# Below is generated by plot.py at 2017-08-22 02:35:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 128.90 Mbit/s  
95th percentile per-packet one-way delay: 1.169 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 128.90 Mbit/s  
95th percentile per-packet one-way delay: 1.169 ms  
Loss rate: 0.06%



Run 5: Report of Saturator — Data Link

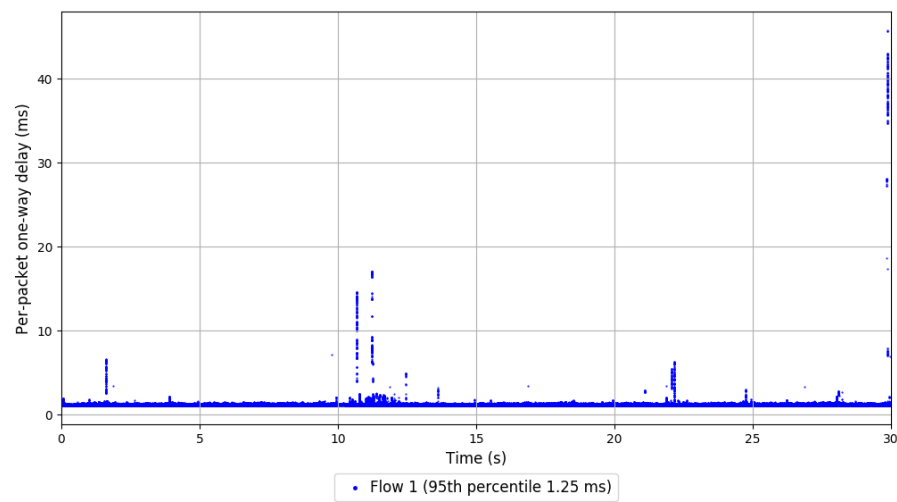
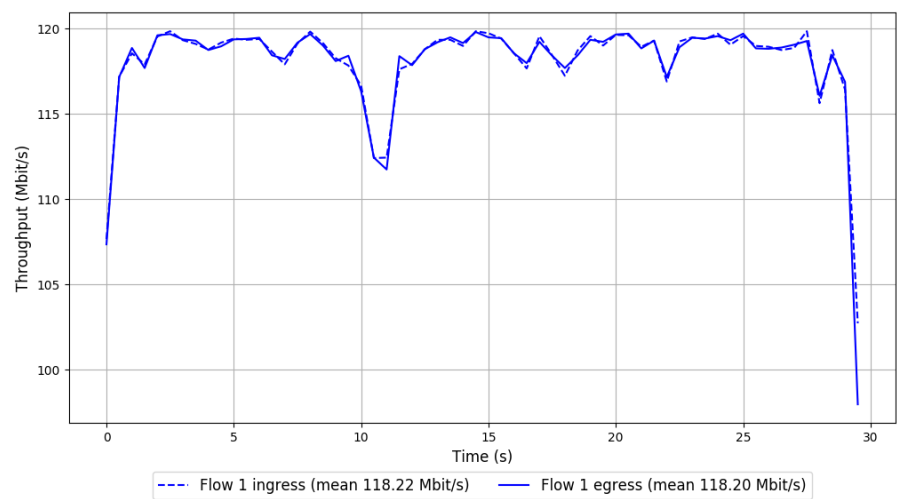


Run 6: Statistics of Saturator

Start at: 2017-08-21 19:43:20  
End at: 2017-08-21 19:43:50  
Local clock offset: 1.085 ms  
Remote clock offset: -2.542 ms

# Below is generated by plot.py at 2017-08-22 02:35:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 118.20 Mbit/s  
95th percentile per-packet one-way delay: 1.246 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 118.20 Mbit/s  
95th percentile per-packet one-way delay: 1.246 ms  
Loss rate: 0.07%

Run 6: Report of Saturator — Data Link

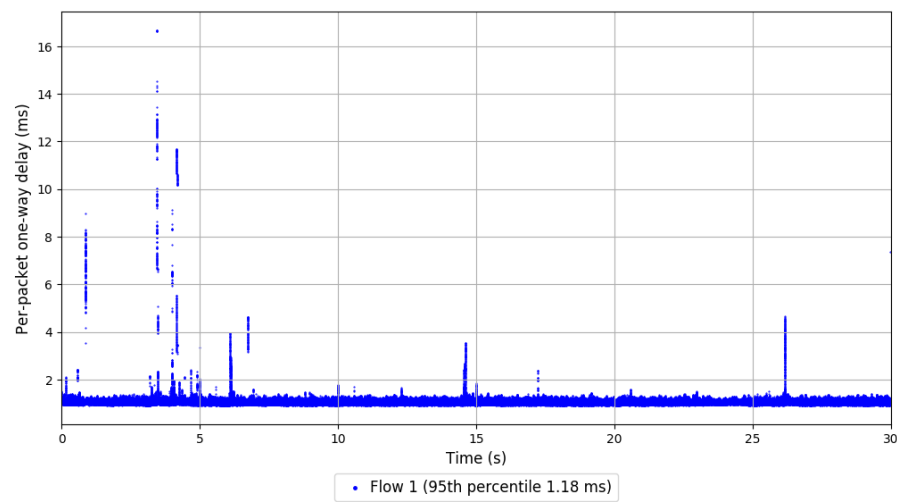
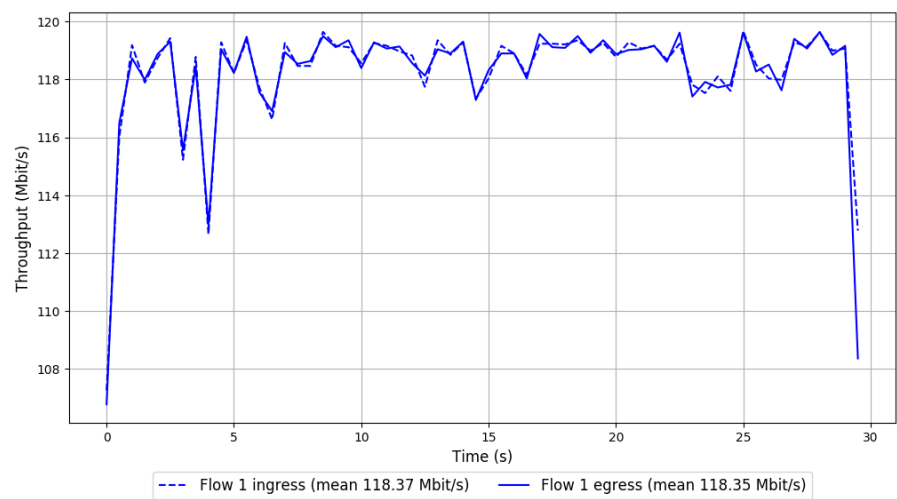


Run 7: Statistics of Saturator

Start at: 2017-08-21 20:04:05  
End at: 2017-08-21 20:04:35  
Local clock offset: 0.823 ms  
Remote clock offset: -2.568 ms

# Below is generated by plot.py at 2017-08-22 02:35:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 118.35 Mbit/s  
95th percentile per-packet one-way delay: 1.182 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 118.35 Mbit/s  
95th percentile per-packet one-way delay: 1.182 ms  
Loss rate: 0.07%

Run 7: Report of Saturator — Data Link

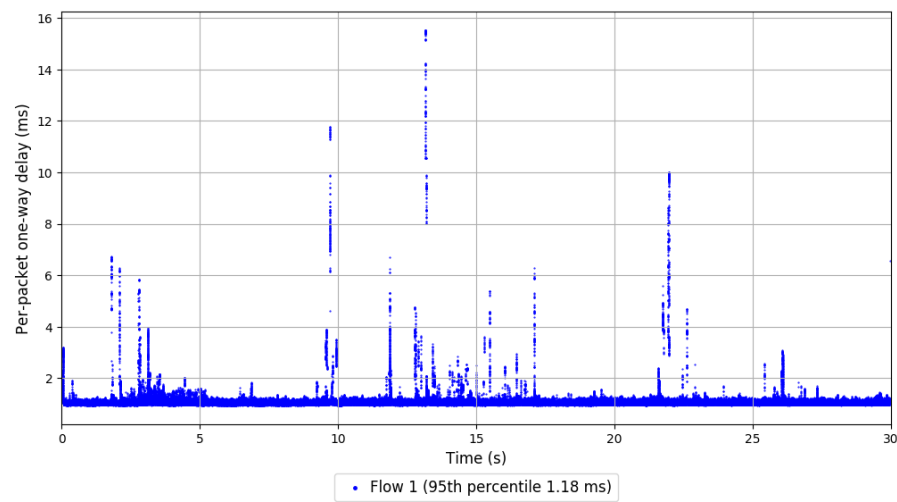
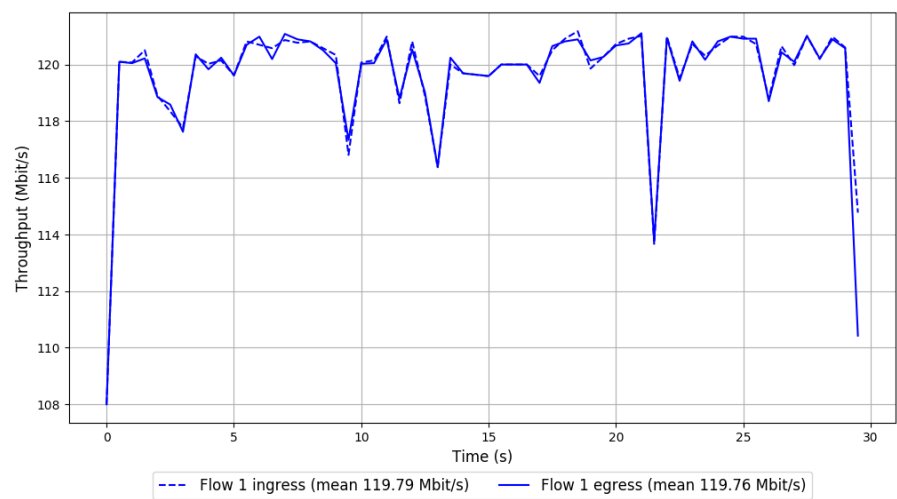


Run 8: Statistics of Saturator

Start at: 2017-08-21 20:24:58  
End at: 2017-08-21 20:25:28  
Local clock offset: 0.549 ms  
Remote clock offset: -2.158 ms

# Below is generated by plot.py at 2017-08-22 02:35:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 119.76 Mbit/s  
95th percentile per-packet one-way delay: 1.184 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 119.76 Mbit/s  
95th percentile per-packet one-way delay: 1.184 ms  
Loss rate: 0.07%

Run 8: Report of Saturator — Data Link



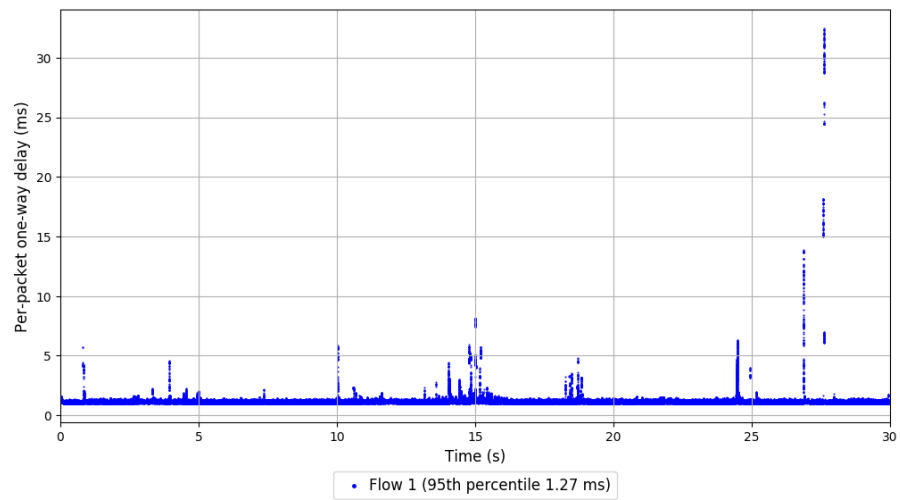
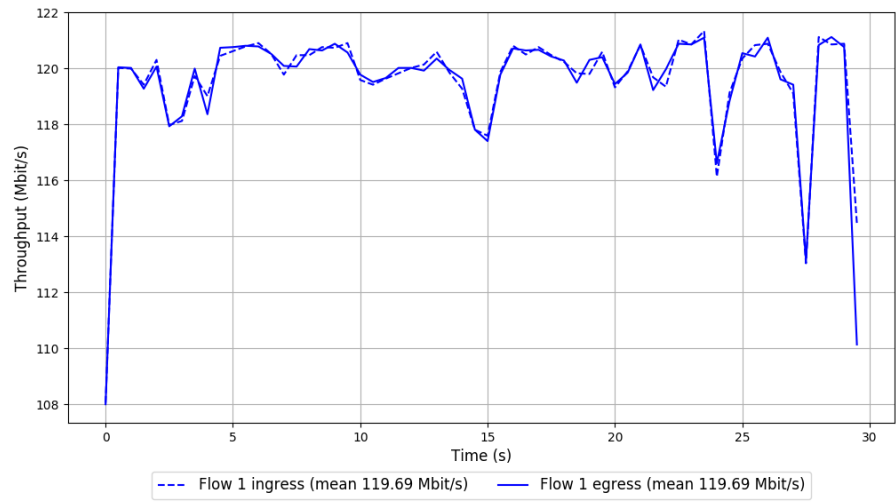
Run 9: Statistics of Saturator

Start at: 2017-08-21 20:45:46  
End at: 2017-08-21 20:46:16  
Local clock offset: 0.593 ms  
Remote clock offset: -1.811 ms

# Below is generated by plot.py at 2017-08-22 02:36:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 119.69 Mbit/s  
95th percentile per-packet one-way delay: 1.271 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 119.69 Mbit/s  
95th percentile per-packet one-way delay: 1.271 ms  
Loss rate: 0.06%



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



Run 10: Statistics of Saturator

Start at: 2017-08-21 21:06:42

End at: 2017-08-21 21:07:12

Local clock offset: 0.542 ms

Remote clock offset: -1.889 ms

# Below is generated by plot.py at 2017-08-22 02:36:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 128.98 Mbit/s

95th percentile per-packet one-way delay: 1.347 ms

Loss rate: 0.06%

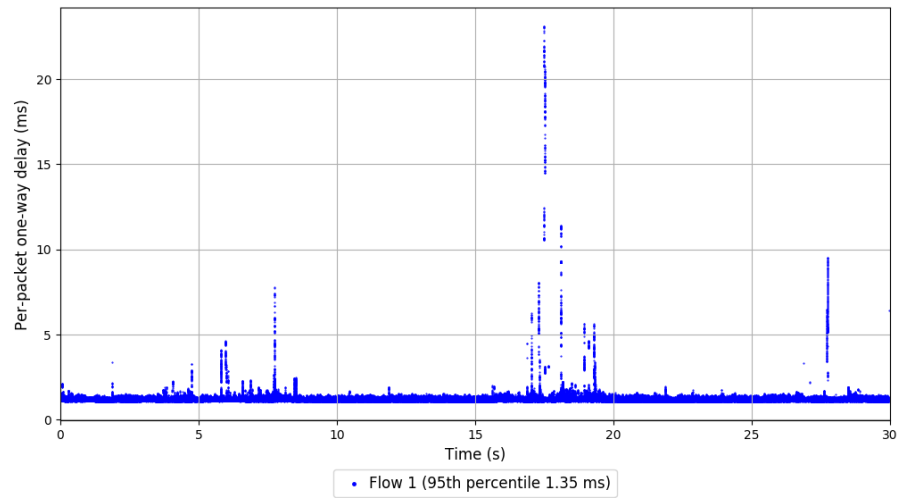
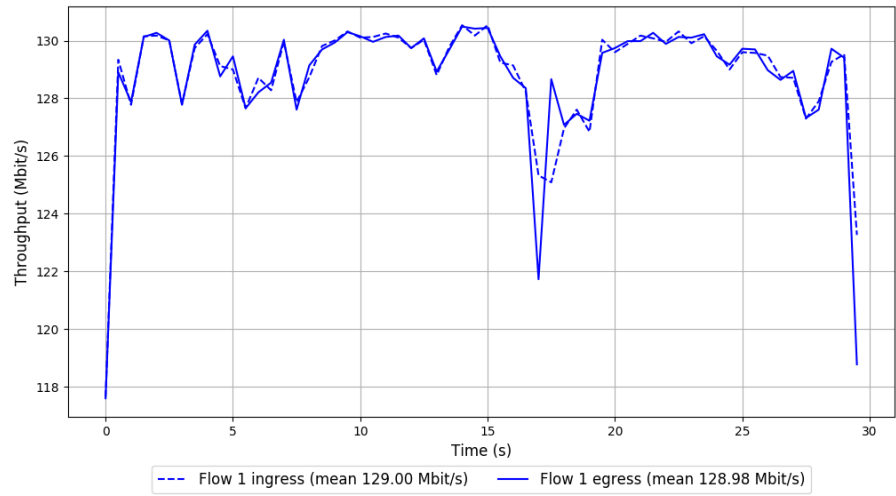
-- Flow 1:

Average throughput: 128.98 Mbit/s

95th percentile per-packet one-way delay: 1.347 ms

Loss rate: 0.06%

# Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: 2017-08-21 17:47:00  
End at: 2017-08-21 17:47:30  
Local clock offset: 0.393 ms  
Remote clock offset: -3.624 ms

# Below is generated by plot.py at 2017-08-22 02:36:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.300 ms

Loss rate: 0.13%

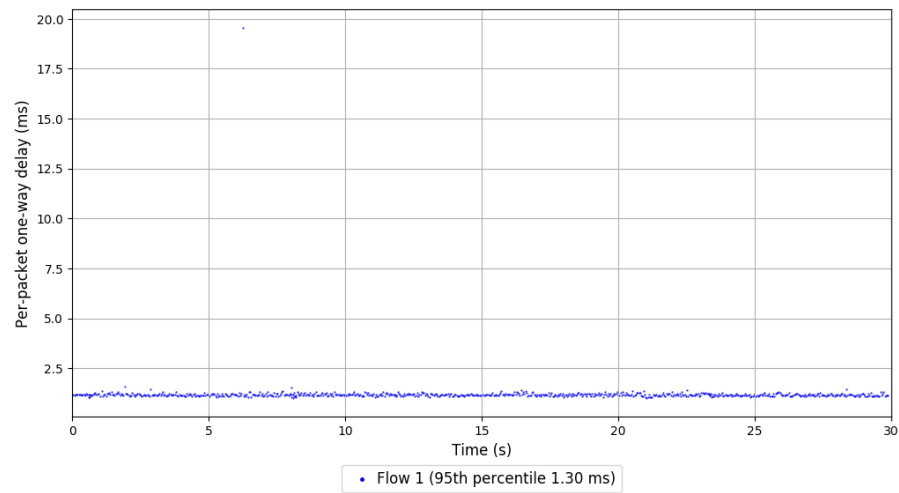
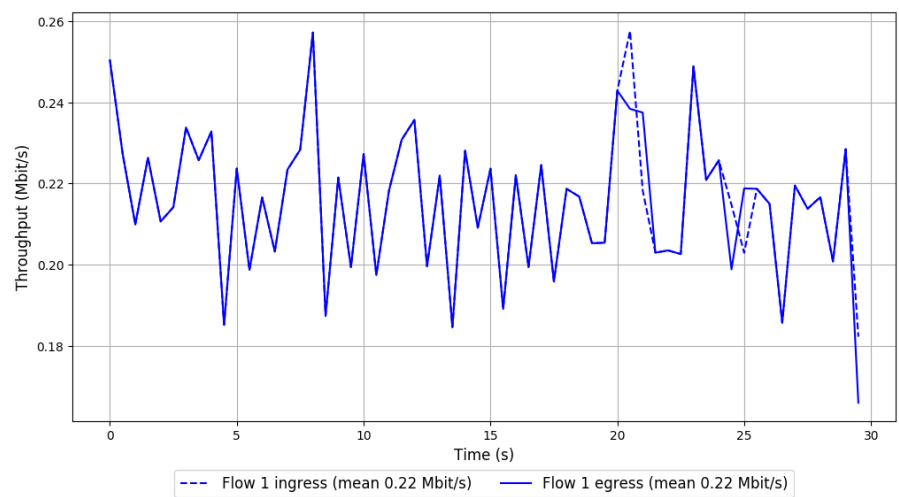
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.300 ms

Loss rate: 0.13%

Run 1: Report of SReAM — Data Link

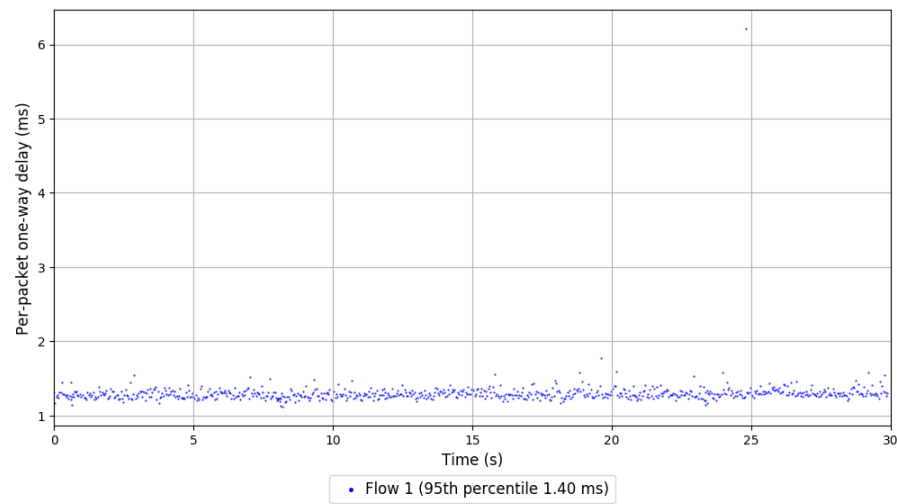
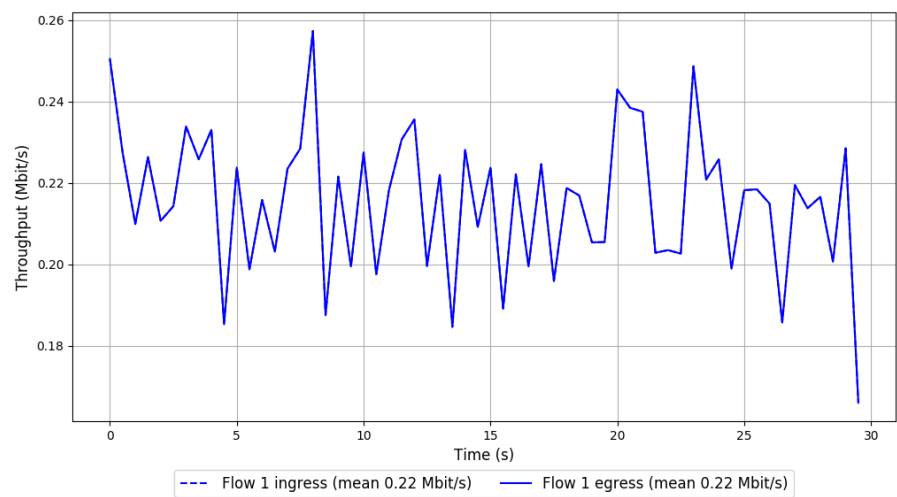


Run 2: Statistics of SCReAM

Start at: 2017-08-21 18:07:42  
End at: 2017-08-21 18:08:13  
Local clock offset: 0.397 ms  
Remote clock offset: -3.592 ms

# Below is generated by plot.py at 2017-08-22 02:36:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.404 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.404 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



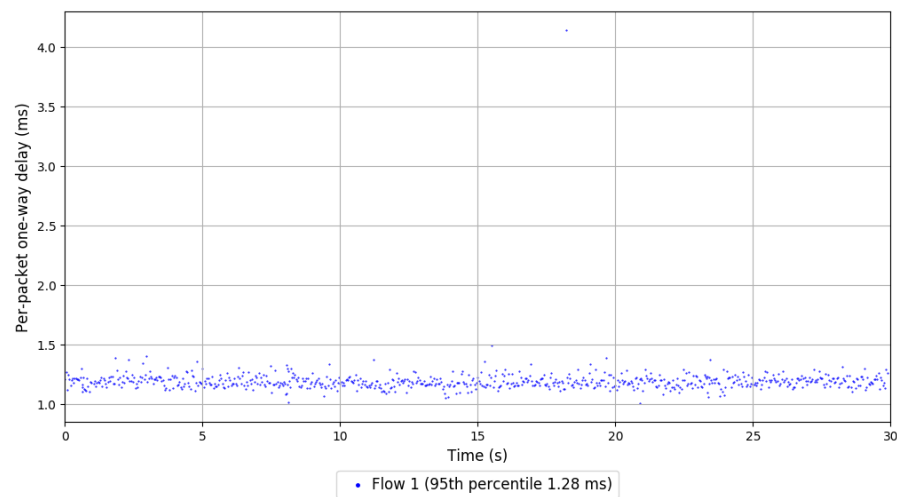
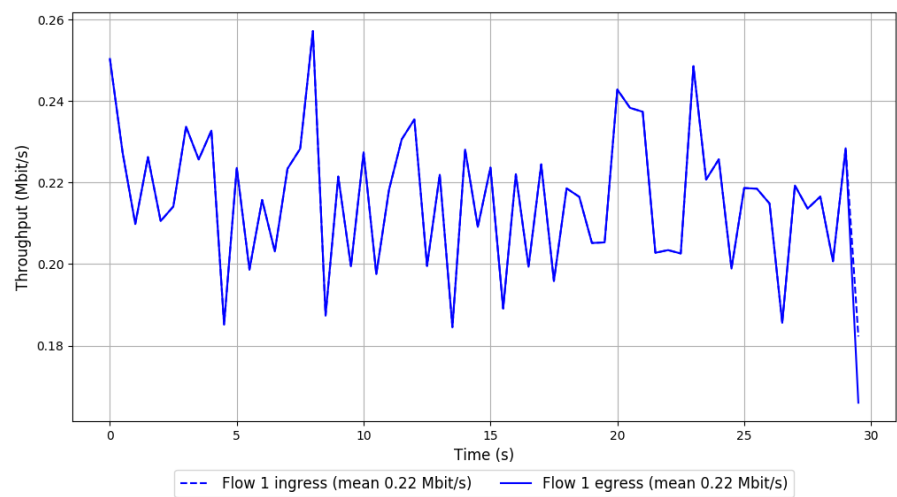
Run 3: Statistics of SCReAM

Start at: 2017-08-21 18:28:37  
End at: 2017-08-21 18:29:07  
Local clock offset: 0.545 ms  
Remote clock offset: -3.383 ms

# Below is generated by plot.py at 2017-08-22 02:36:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.279 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.279 ms  
Loss rate: 0.13%



Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2017-08-21 18:49:26

End at: 2017-08-21 18:49:56

Local clock offset: 0.82 ms

Remote clock offset: -3.11 ms

# Below is generated by plot.py at 2017-08-22 02:36:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.432 ms

Loss rate: 0.13%

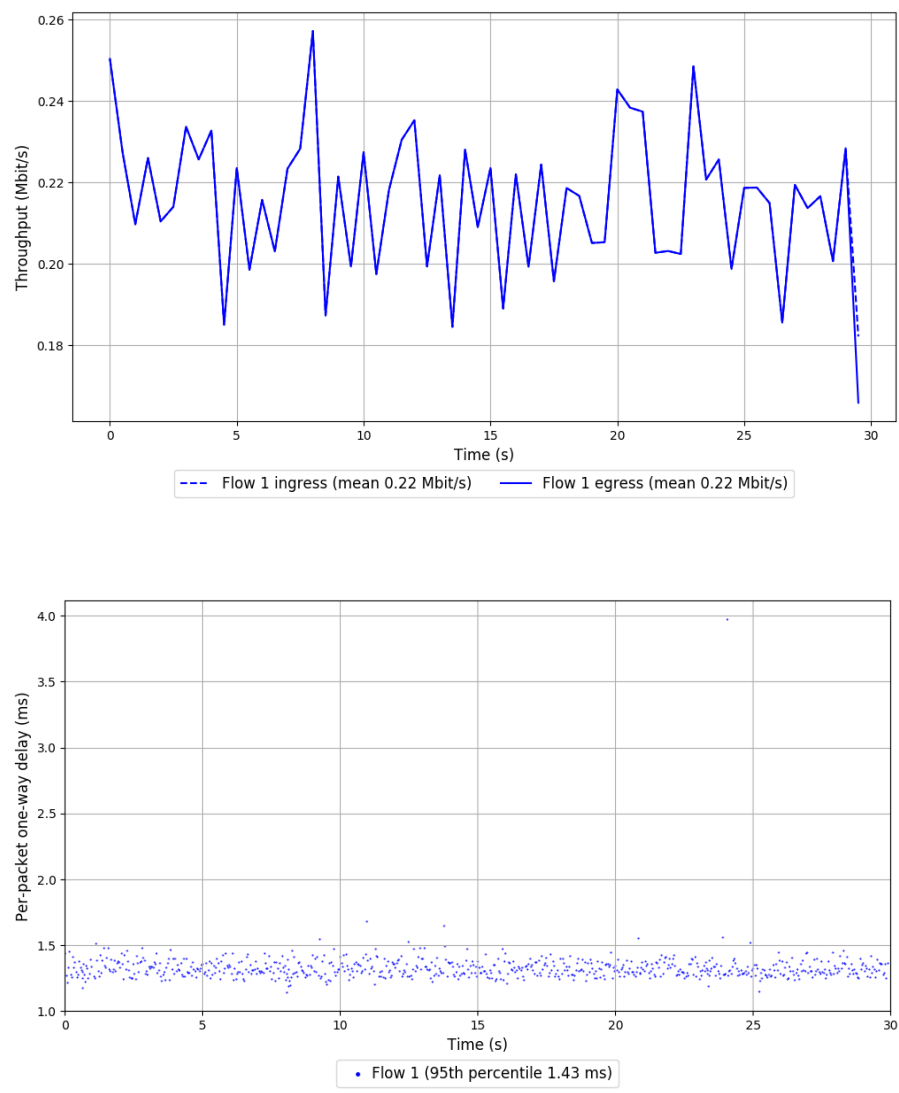
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.432 ms

Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

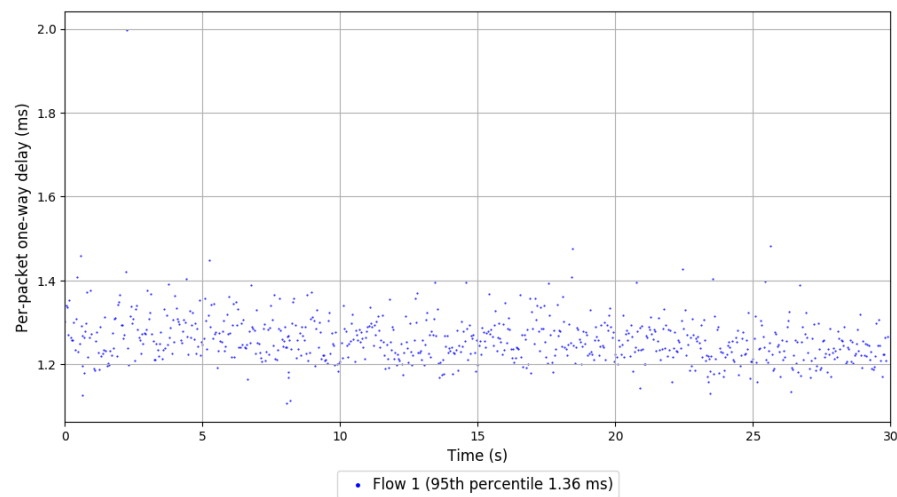
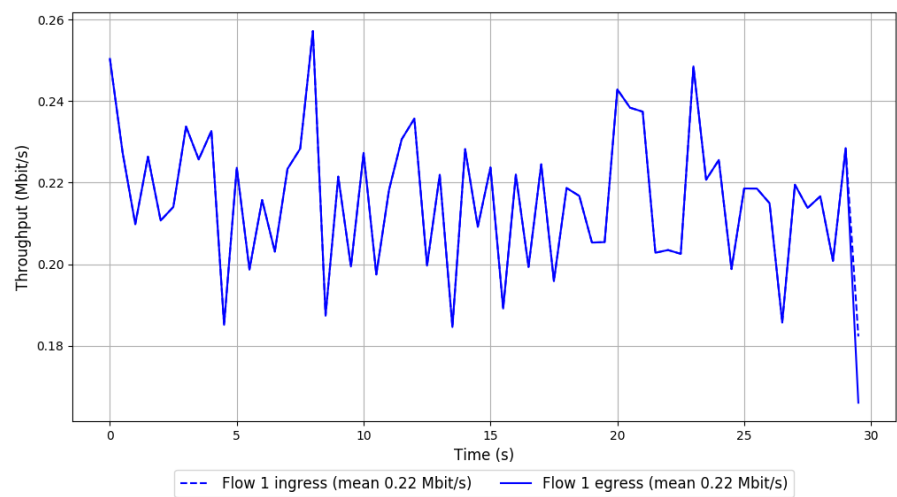


Run 5: Statistics of SCReAM

Start at: 2017-08-21 19:10:11  
End at: 2017-08-21 19:10:41  
Local clock offset: 0.955 ms  
Remote clock offset: -2.731 ms

# Below is generated by plot.py at 2017-08-22 02:36:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.357 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.357 ms  
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

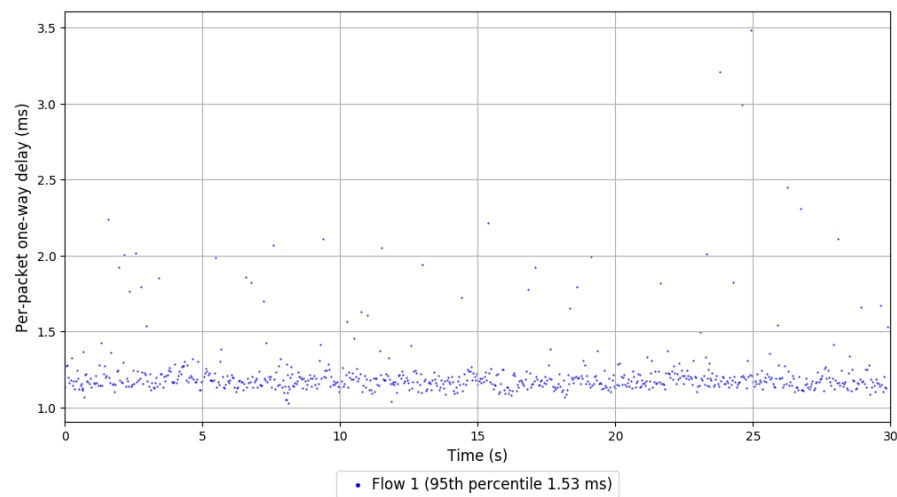
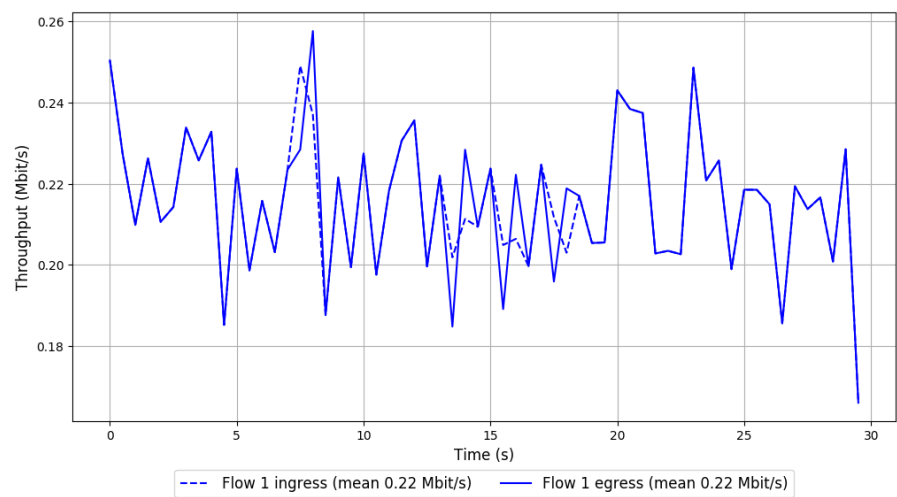


Run 6: Statistics of SCReAM

Start at: 2017-08-21 19:31:05  
End at: 2017-08-21 19:31:35  
Local clock offset: 0.992 ms  
Remote clock offset: -2.688 ms

# Below is generated by plot.py at 2017-08-22 02:36:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.532 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.532 ms  
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



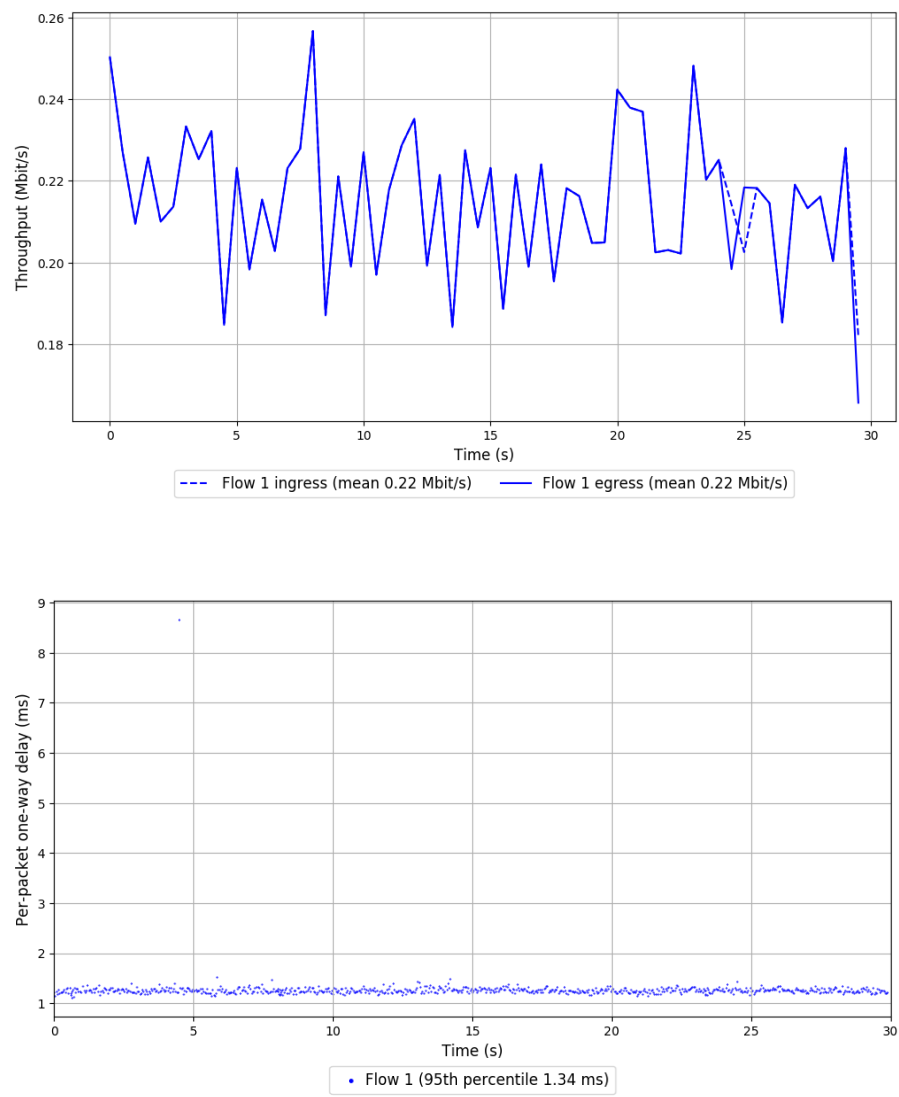
Run 7: Statistics of SCReAM

Start at: 2017-08-21 19:51:46  
End at: 2017-08-21 19:52:16  
Local clock offset: 1.03 ms  
Remote clock offset: -2.632 ms

# Below is generated by plot.py at 2017-08-22 02:36:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.338 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.338 ms  
Loss rate: 0.13%



Run 7: Report of SReAM — Data Link

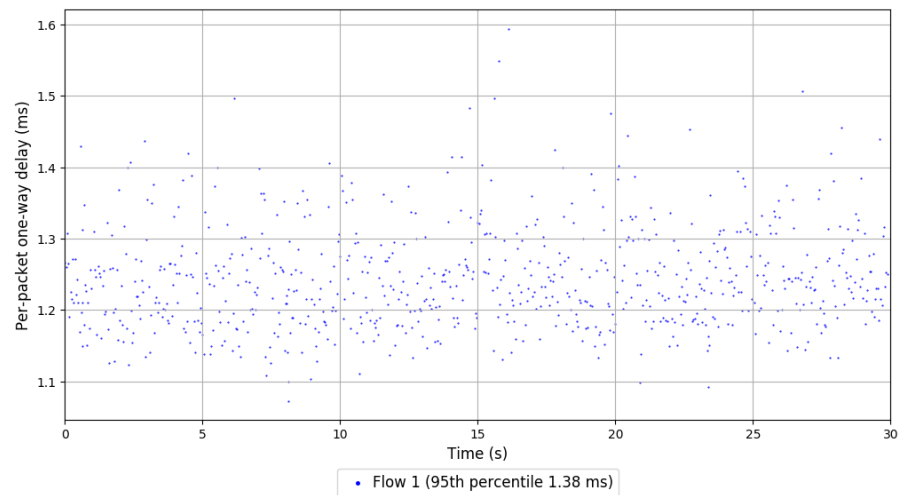
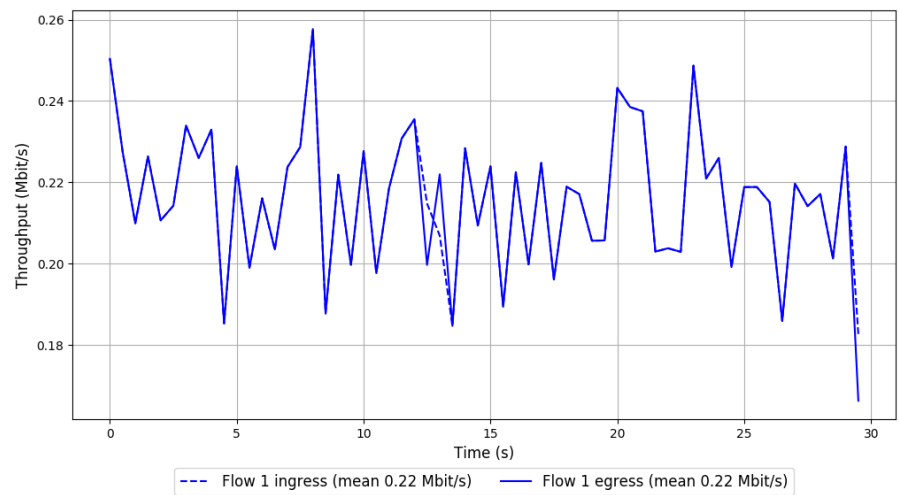


Run 8: Statistics of SCReAM

Start at: 2017-08-21 20:12:30  
End at: 2017-08-21 20:13:00  
Local clock offset: 0.782 ms  
Remote clock offset: -2.456 ms

# Below is generated by plot.py at 2017-08-22 02:36:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.379 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.379 ms  
Loss rate: 0.13%

Run 8: Report of SReAM — Data Link

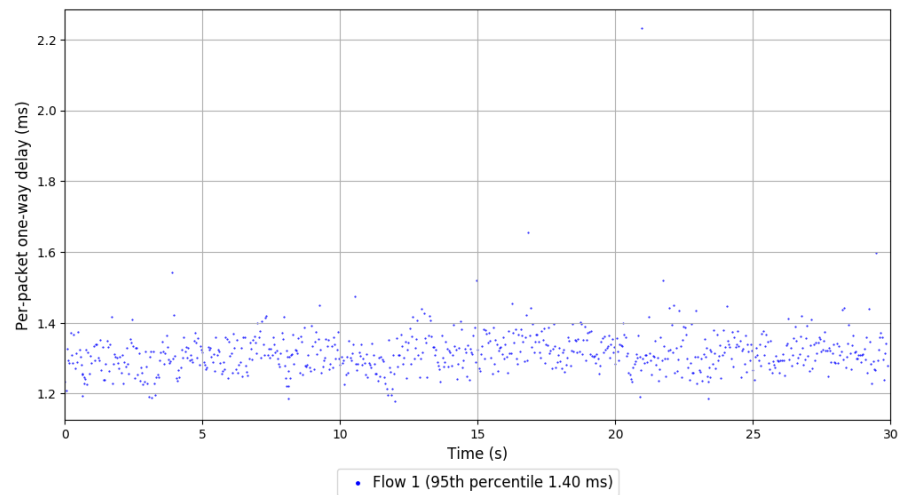
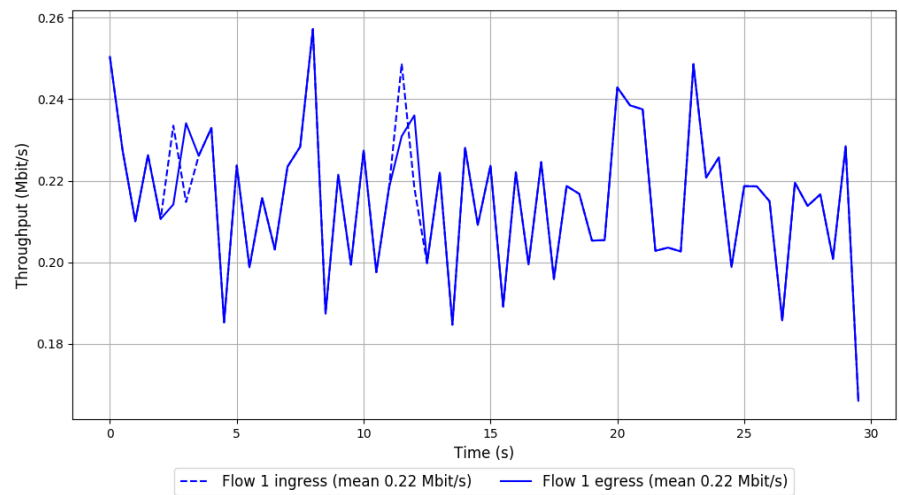


Run 9: Statistics of SCReAM

Start at: 2017-08-21 20:33:23  
End at: 2017-08-21 20:33:53  
Local clock offset: 0.593 ms  
Remote clock offset: -2.073 ms

# Below is generated by plot.py at 2017-08-22 02:36:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.399 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 1.399 ms  
Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: 2017-08-21 20:54:08

End at: 2017-08-21 20:54:38

Local clock offset: 0.472 ms

Remote clock offset: -1.902 ms

# Below is generated by plot.py at 2017-08-22 02:36:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.317 ms

Loss rate: 0.13%

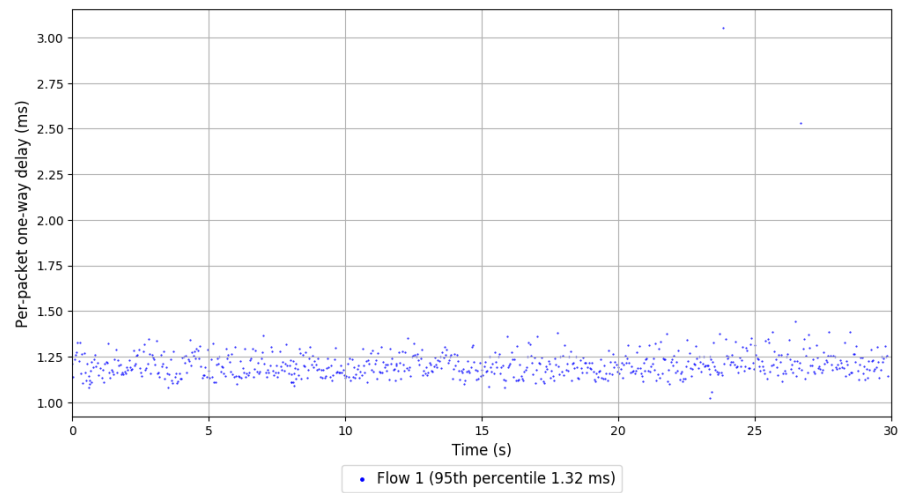
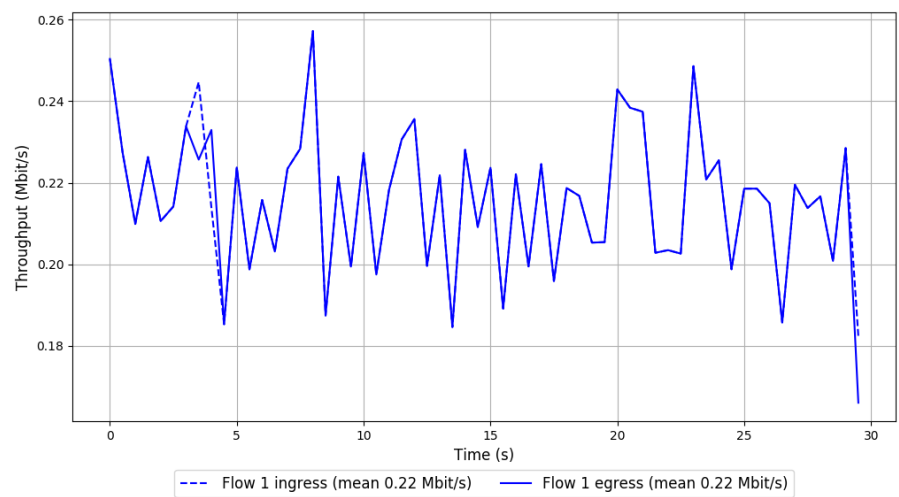
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.317 ms

Loss rate: 0.13%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: 2017-08-21 18:00:38

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

Local clock offset: 0.408 ms

Remote clock offset: -3.652 ms

# Below is generated by plot.py at 2017-08-22 02:36:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 24.88 Mbit/s

95th percentile per-packet one-way delay: 1.285 ms

Loss rate: 0.14%

-- Flow 1:

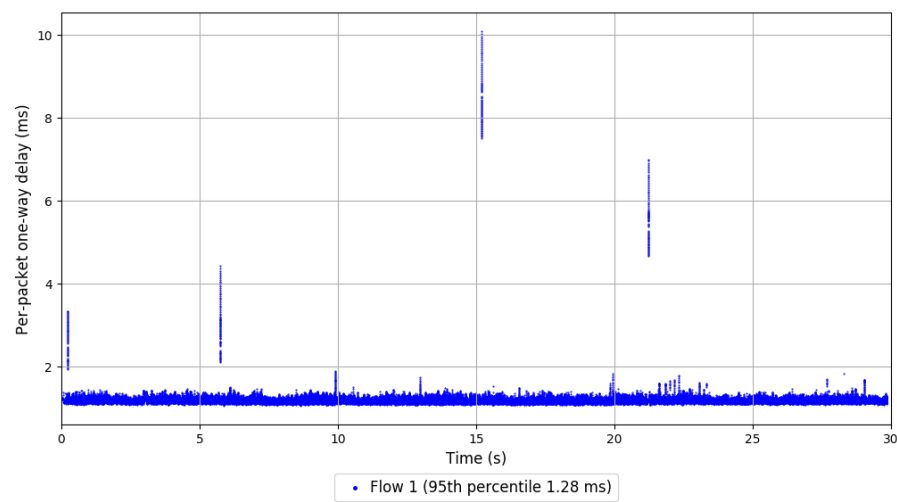
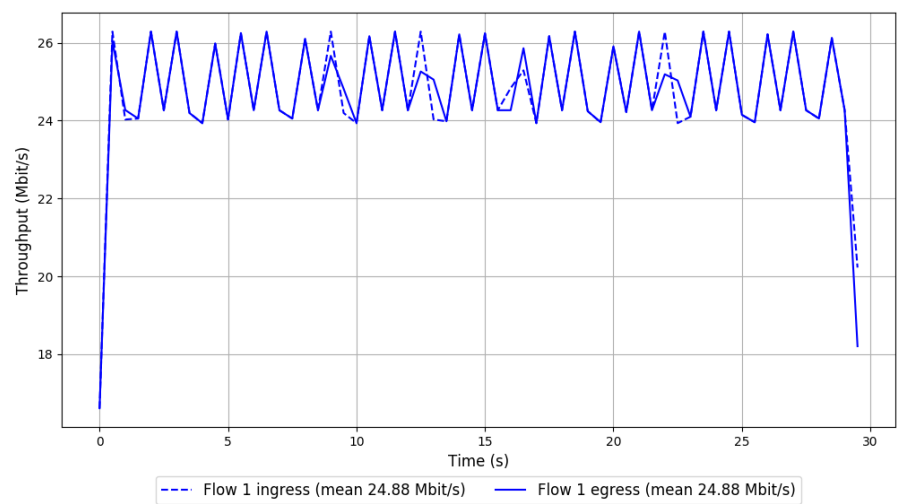
Average throughput: 24.88 Mbit/s

95th percentile per-packet one-way delay: 1.285 ms

Loss rate: 0.14%



Run 1: Report of Sprout — Data Link

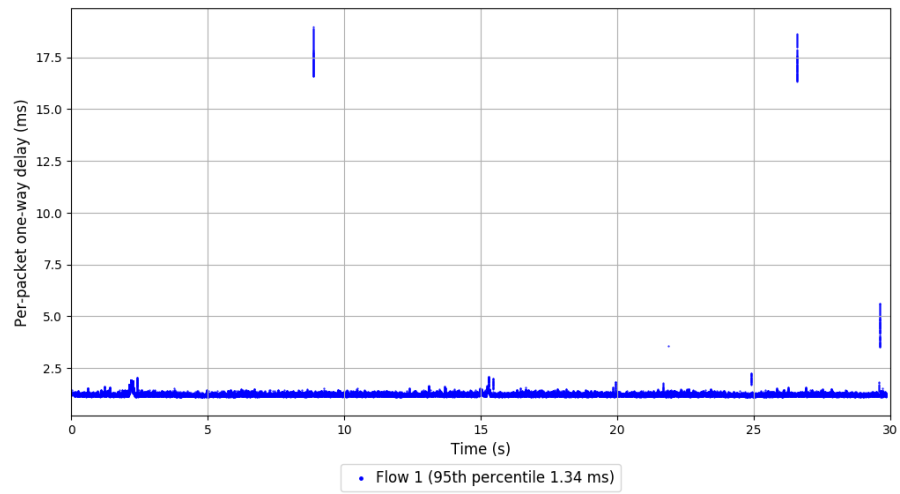
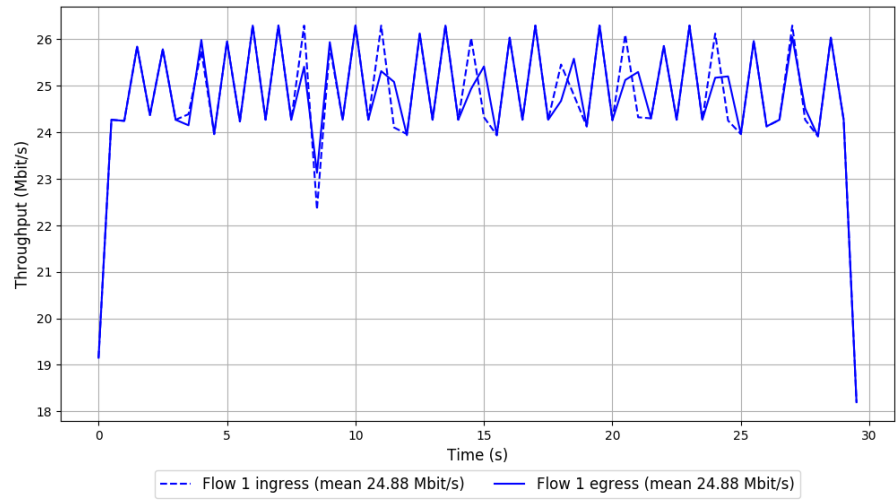


Run 2: Statistics of Sprout

Start at: 2017-08-21 18:21:23  
End at: 2017-08-21 18:21:53  
Local clock offset: 0.569 ms  
Remote clock offset: -3.432 ms

# Below is generated by plot.py at 2017-08-22 02:36:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.88 Mbit/s  
95th percentile per-packet one-way delay: 1.339 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 24.88 Mbit/s  
95th percentile per-packet one-way delay: 1.339 ms  
Loss rate: 0.00%

## Run 2: Report of Sprout — Data Link

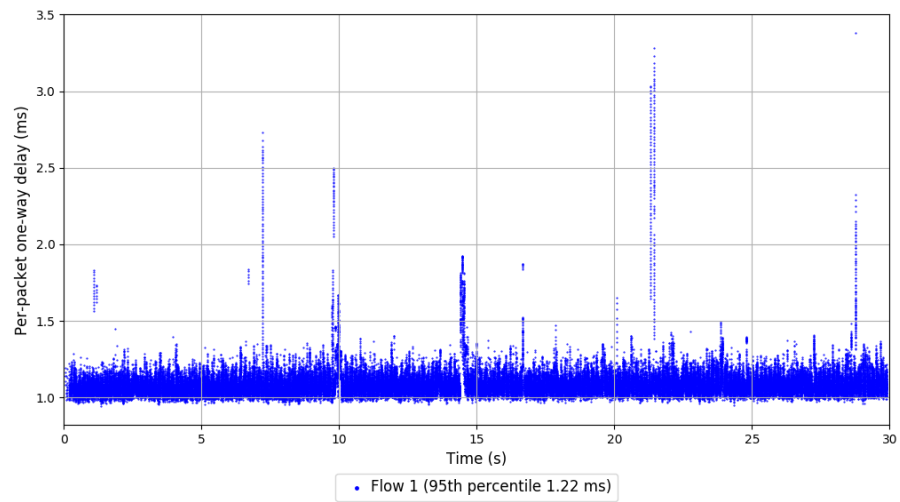
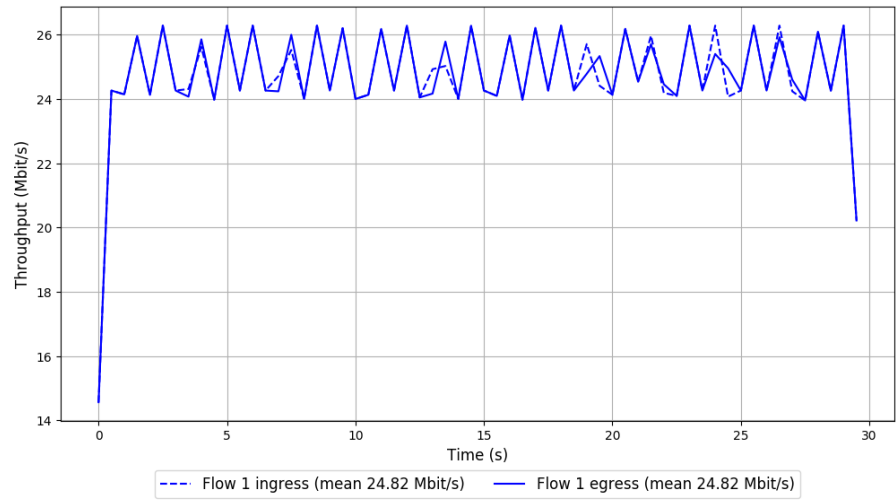


Run 3: Statistics of Sprout

Start at: 2017-08-21 18:42:11  
End at: 2017-08-21 18:42:41  
Local clock offset: 0.668 ms  
Remote clock offset: -3.289 ms

# Below is generated by plot.py at 2017-08-22 02:36:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.82 Mbit/s  
95th percentile per-packet one-way delay: 1.221 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 24.82 Mbit/s  
95th percentile per-packet one-way delay: 1.221 ms  
Loss rate: 0.00%

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

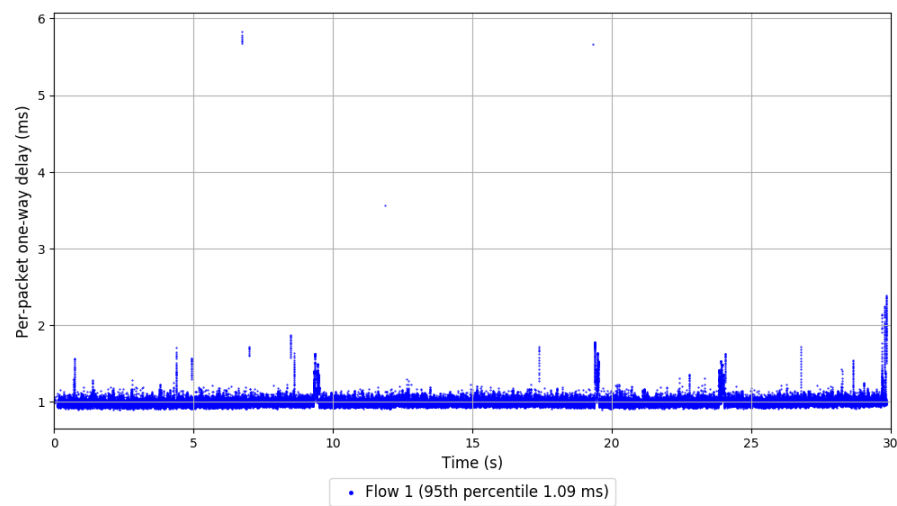
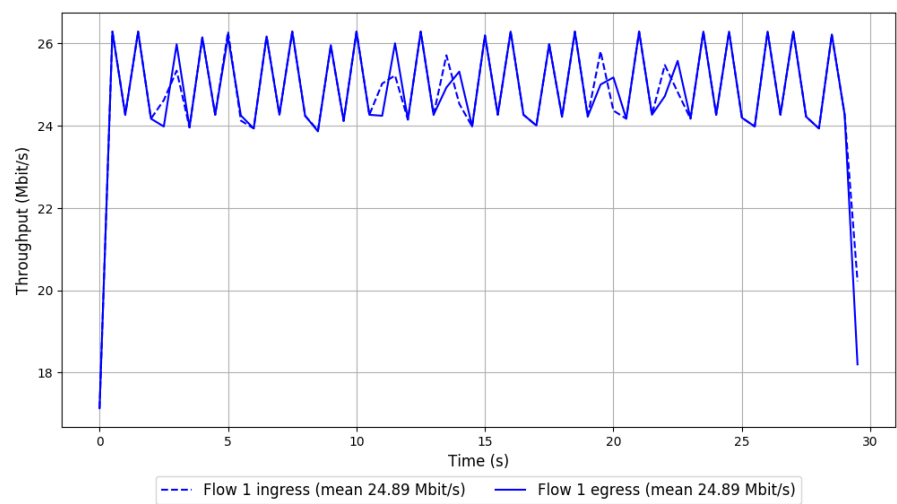


Run 4: Statistics of Sprout

Start at: 2017-08-21 19:03:01  
End at: 2017-08-21 19:03:31  
Local clock offset: 0.8 ms  
Remote clock offset: -2.732 ms

# Below is generated by plot.py at 2017-08-22 02:36:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.89 Mbit/s  
95th percentile per-packet one-way delay: 1.091 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 24.89 Mbit/s  
95th percentile per-packet one-way delay: 1.091 ms  
Loss rate: 0.14%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2017-08-21 19:23:53

End at: 2017-08-21 19:24:23

Local clock offset: 1.059 ms

Remote clock offset: -2.69 ms

# Below is generated by plot.py at 2017-08-22 02:36:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 24.85 Mbit/s

95th percentile per-packet one-way delay: 1.234 ms

Loss rate: 0.08%

-- Flow 1:

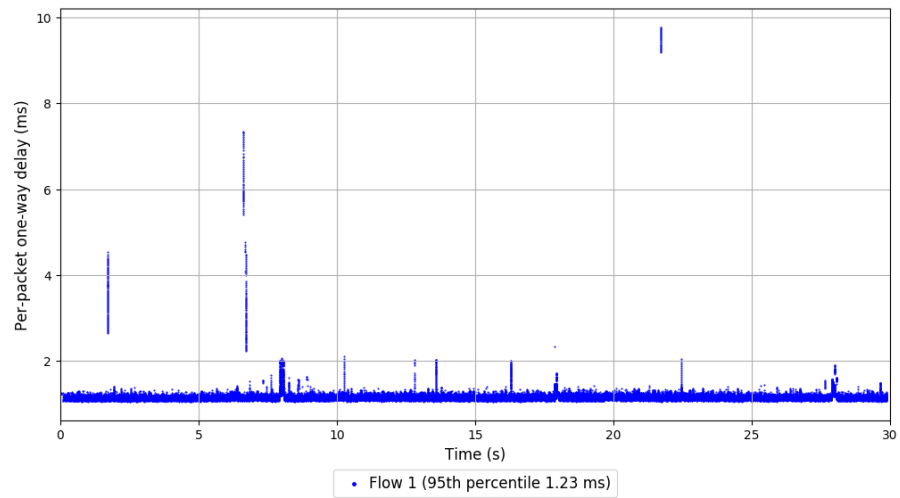
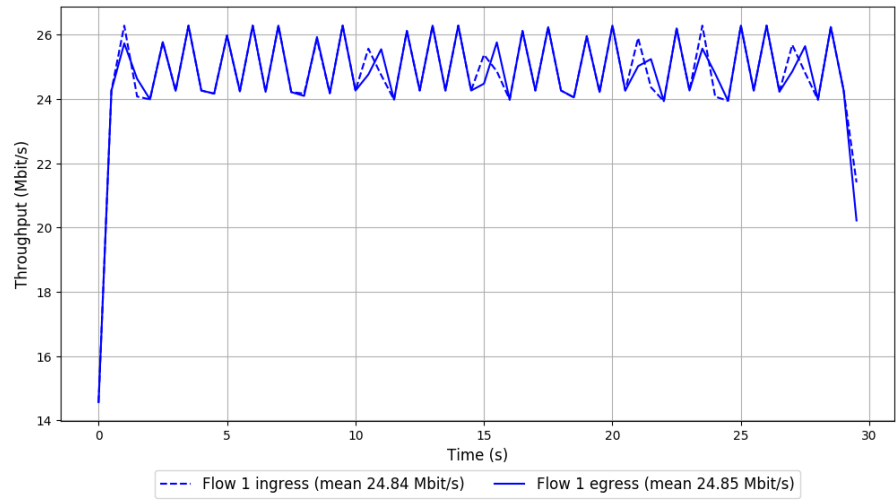
Average throughput: 24.85 Mbit/s

95th percentile per-packet one-way delay: 1.234 ms

Loss rate: 0.08%



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

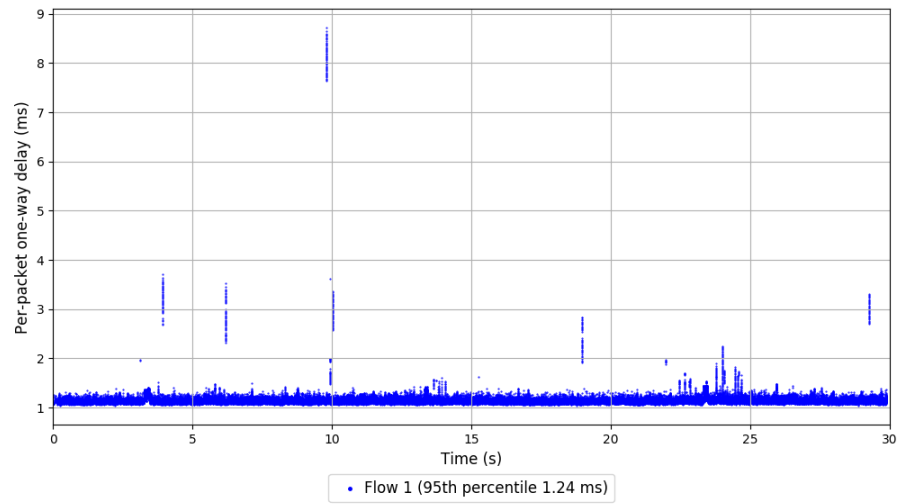
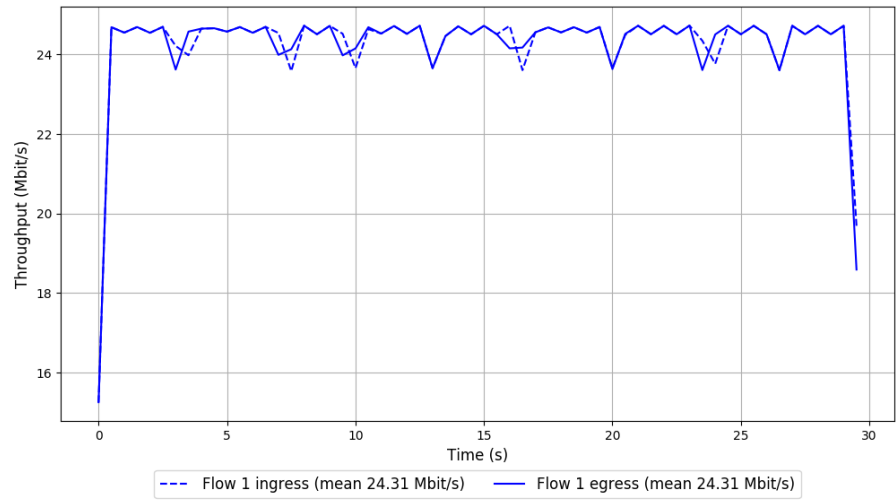


Run 6: Statistics of Sprout

Start at: 2017-08-21 19:44:37  
End at: 2017-08-21 19:45:07  
Local clock offset: 1.058 ms  
Remote clock offset: -2.605 ms

# Below is generated by plot.py at 2017-08-22 02:36:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.31 Mbit/s  
95th percentile per-packet one-way delay: 1.237 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 24.31 Mbit/s  
95th percentile per-packet one-way delay: 1.237 ms  
Loss rate: 0.07%

## Run 6: Report of Sprout — Data Link

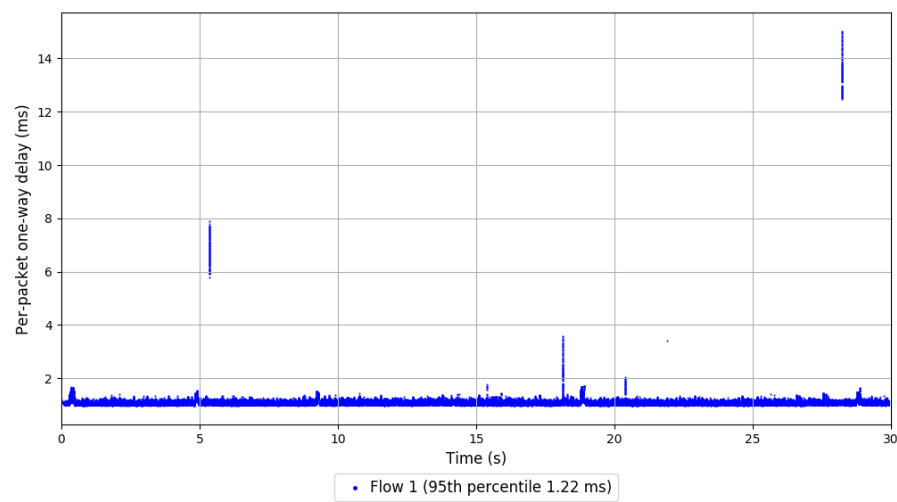
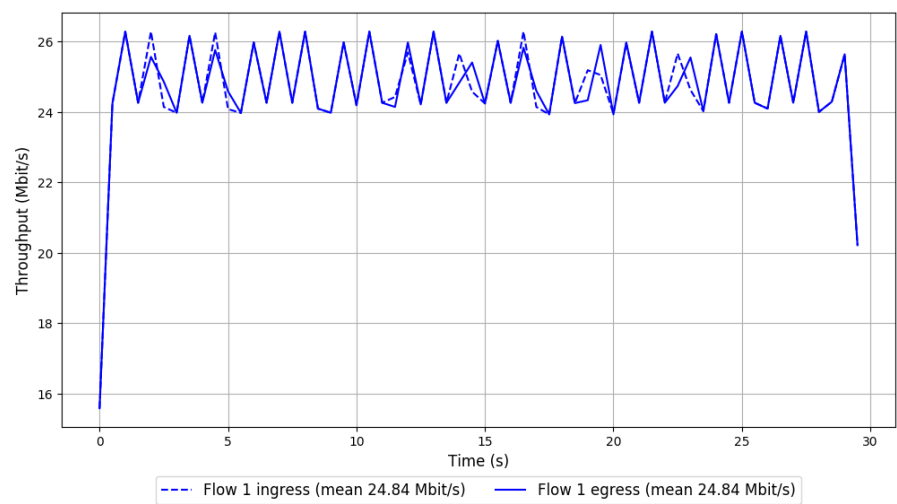


Run 7: Statistics of Sprout

Start at: 2017-08-21 20:05:22  
End at: 2017-08-21 20:05:52  
Local clock offset: 0.792 ms  
Remote clock offset: -2.654 ms

# Below is generated by plot.py at 2017-08-22 02:36:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.84 Mbit/s  
95th percentile per-packet one-way delay: 1.219 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 24.84 Mbit/s  
95th percentile per-packet one-way delay: 1.219 ms  
Loss rate: 0.00%

Run 7: Report of Sprout — Data Link

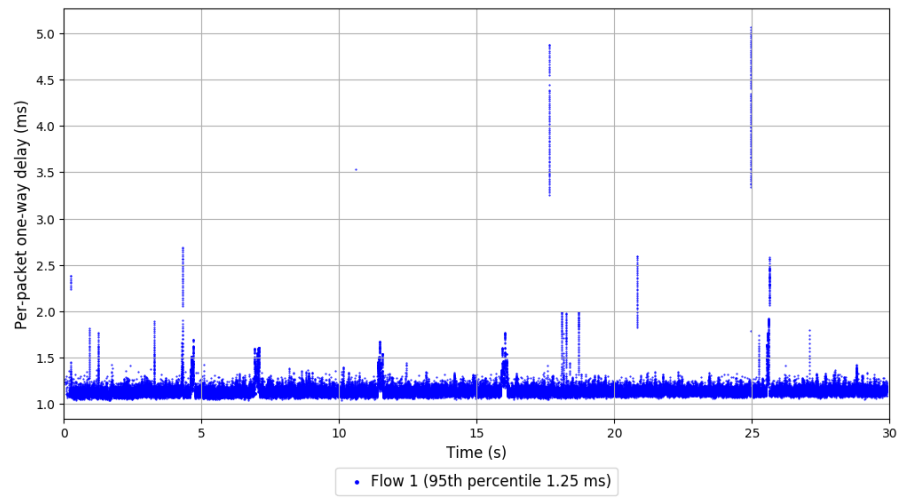
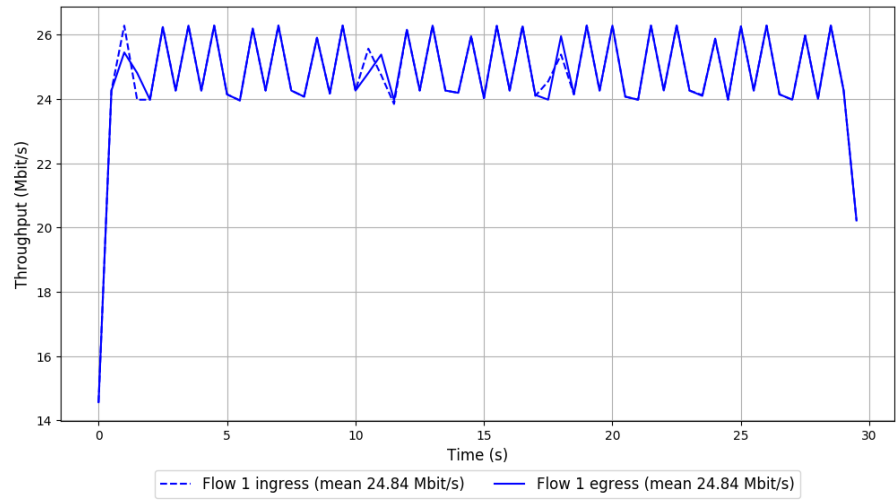


Run 8: Statistics of Sprout

Start at: 2017-08-21 20:26:15  
End at: 2017-08-21 20:26:45  
Local clock offset: 0.605 ms  
Remote clock offset: -2.158 ms

# Below is generated by plot.py at 2017-08-22 02:36:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.84 Mbit/s  
95th percentile per-packet one-way delay: 1.255 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 24.84 Mbit/s  
95th percentile per-packet one-way delay: 1.255 ms  
Loss rate: 0.00%

# Run 8: Report of Sprout — Data Link



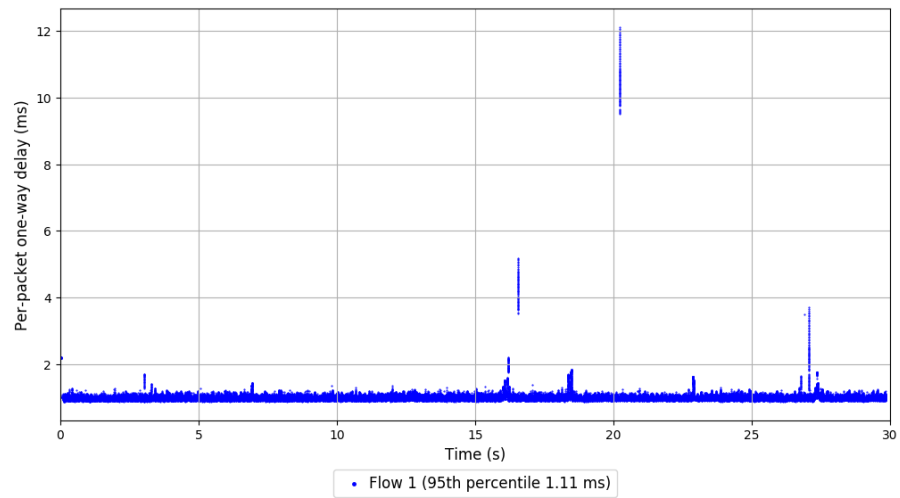
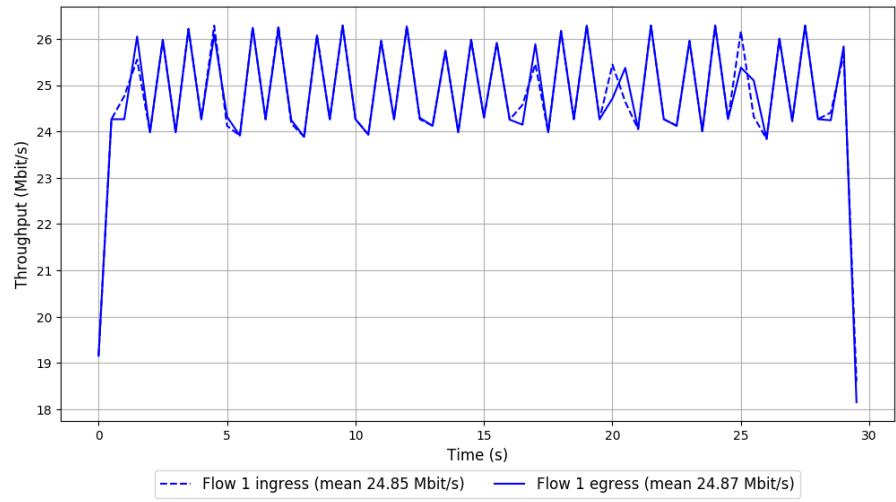
Run 9: Statistics of Sprout

Start at: 2017-08-21 20:47:04  
End at: 2017-08-21 20:47:34  
Local clock offset: 0.492 ms  
Remote clock offset: -1.779 ms

# Below is generated by plot.py at 2017-08-22 02:36:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.87 Mbit/s  
95th percentile per-packet one-way delay: 1.108 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 24.87 Mbit/s  
95th percentile per-packet one-way delay: 1.108 ms  
Loss rate: 0.03%



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



Run 10: Statistics of Sprout

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

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

Local clock offset: 0.554 ms

Remote clock offset: -1.83 ms

# Below is generated by plot.py at 2017-08-22 02:36:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 24.85 Mbit/s

95th percentile per-packet one-way delay: 1.230 ms

Loss rate: 0.14%

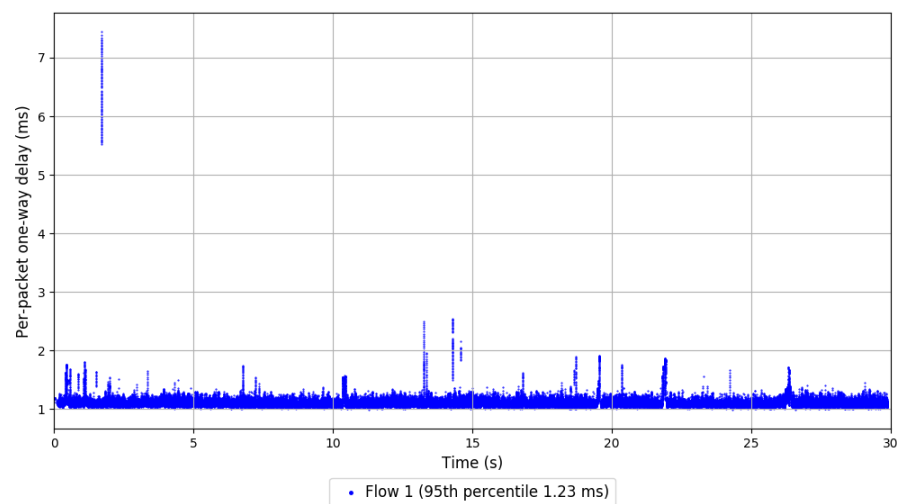
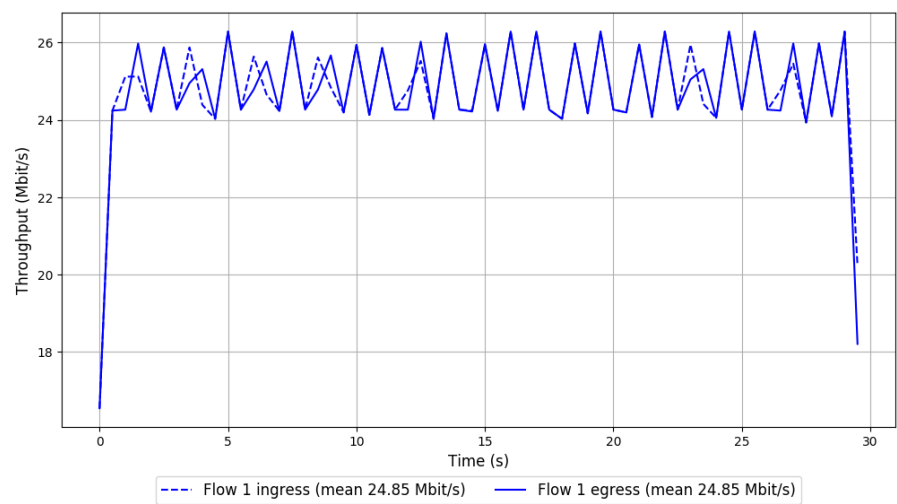
-- Flow 1:

Average throughput: 24.85 Mbit/s

95th percentile per-packet one-way delay: 1.230 ms

Loss rate: 0.14%

Run 10: Report of Sprout — Data Link

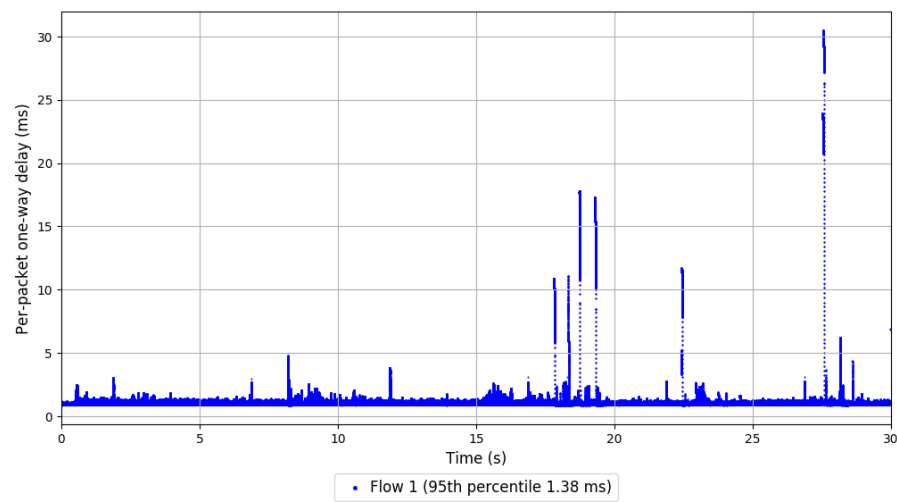
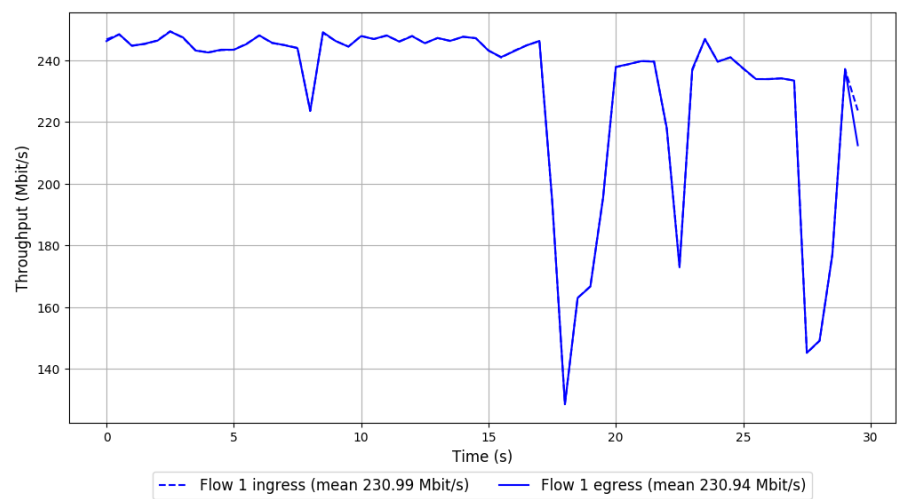


```
Run 1: Statistics of TaoVA-100x

Start at: 2017-08-21 17:53:28
End at: 2017-08-21 17:53:58
Local clock offset: 0.36 ms
Remote clock offset: -3.586 ms

# Below is generated by plot.py at 2017-08-22 02:37:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 230.94 Mbit/s
95th percentile per-packet one-way delay: 1.380 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 230.94 Mbit/s
95th percentile per-packet one-way delay: 1.380 ms
Loss rate: 0.08%
```

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



Run 2: Statistics of TaoVA-100x

Start at: 2017-08-21 18:14:14

End at: 2017-08-21 18:14:44

Local clock offset: 0.373 ms

Remote clock offset: -3.414 ms

# Below is generated by plot.py at 2017-08-22 02:37:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 214.95 Mbit/s

95th percentile per-packet one-way delay: 1.278 ms

Loss rate: 0.08%

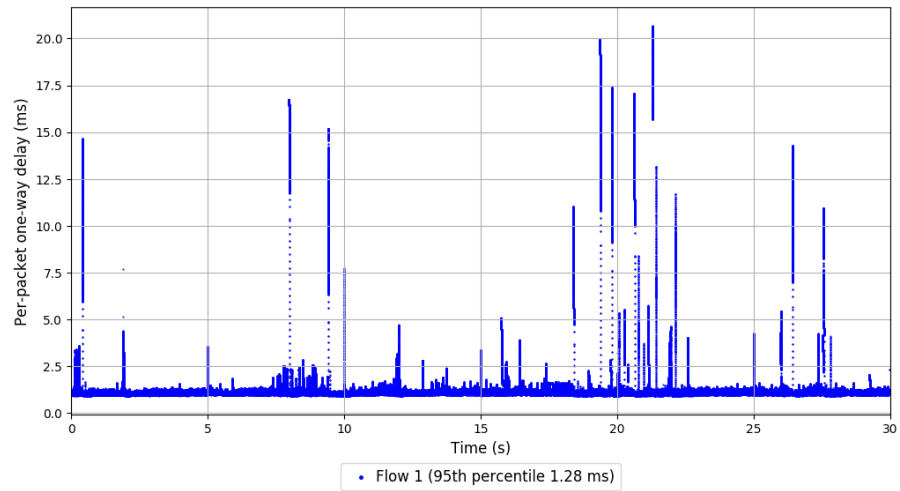
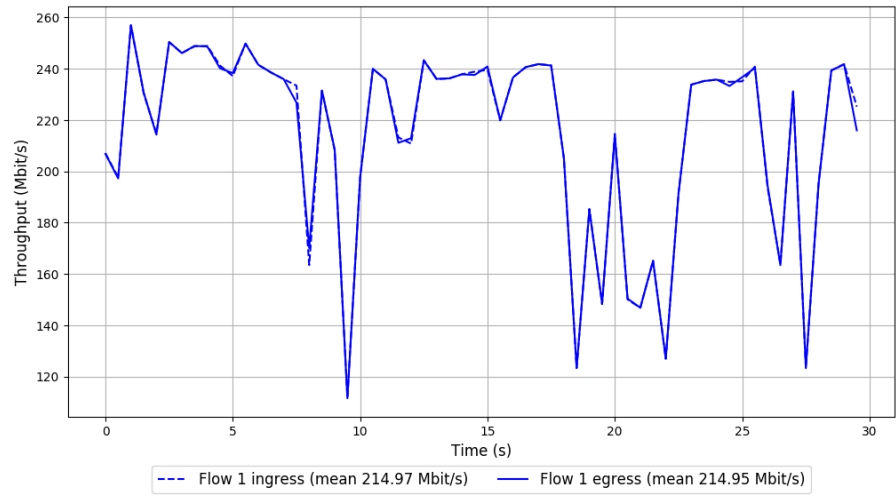
-- Flow 1:

Average throughput: 214.95 Mbit/s

95th percentile per-packet one-way delay: 1.278 ms

Loss rate: 0.08%

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



Run 3: Statistics of TaoVA-100x

Start at: 2017-08-21 18:35:02

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

Local clock offset: 0.623 ms

Remote clock offset: -3.377 ms

# Below is generated by plot.py at 2017-08-22 02:37:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 214.52 Mbit/s

95th percentile per-packet one-way delay: 1.610 ms

Loss rate: 0.05%

-- Flow 1:

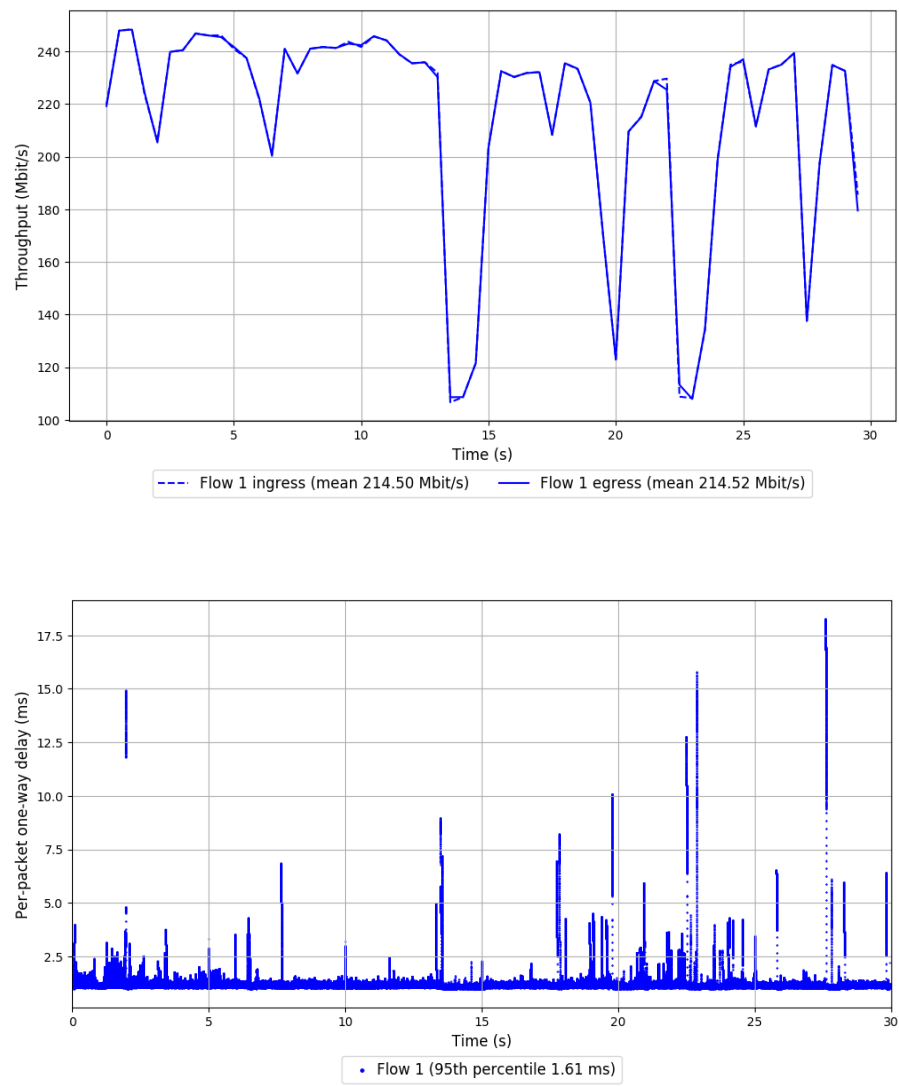
Average throughput: 214.52 Mbit/s

95th percentile per-packet one-way delay: 1.610 ms

Loss rate: 0.05%



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



Run 4: Statistics of TaoVA-100x

Start at: 2017-08-21 18:56:04

End at: 2017-08-21 18:56:34

Local clock offset: 0.842 ms

Remote clock offset: -2.981 ms

# Below is generated by plot.py at 2017-08-22 02:38:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 224.99 Mbit/s

95th percentile per-packet one-way delay: 1.475 ms

Loss rate: 0.07%

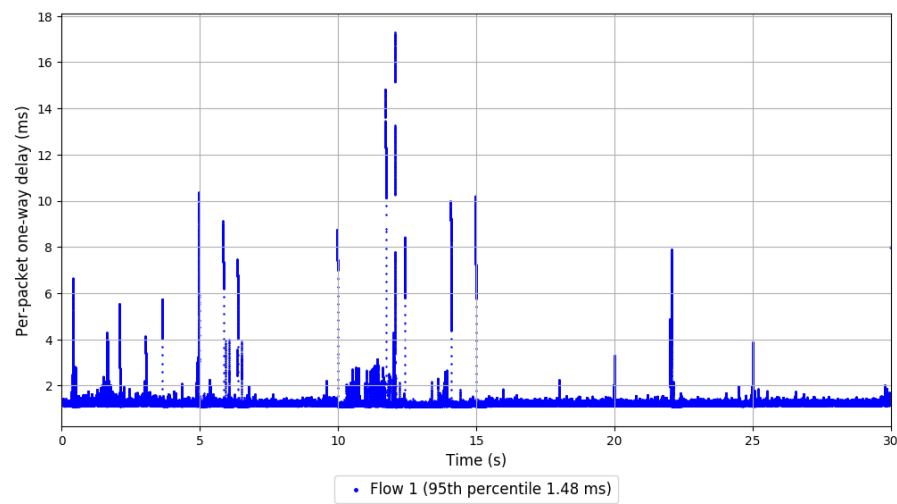
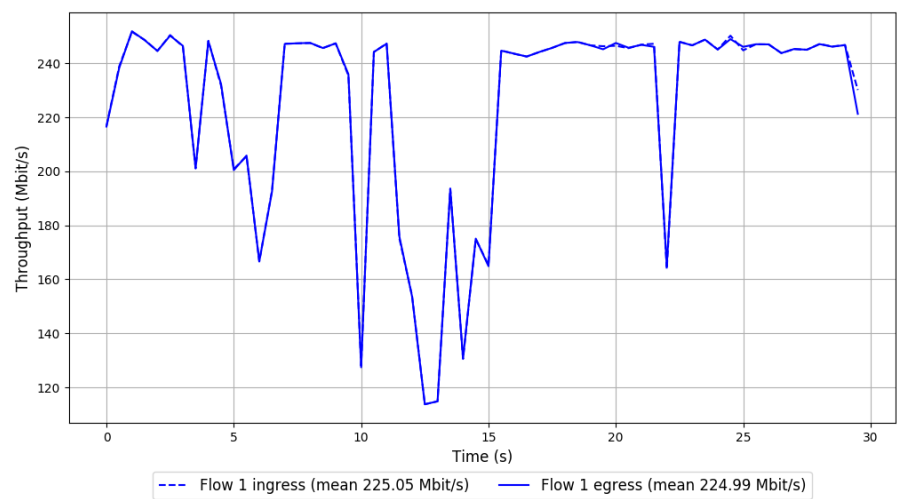
-- Flow 1:

Average throughput: 224.99 Mbit/s

95th percentile per-packet one-way delay: 1.475 ms

Loss rate: 0.07%

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



Run 5: Statistics of TaoVA-100x

Start at: 2017-08-21 19:16:45

End at: 2017-08-21 19:17:15

Local clock offset: 0.936 ms

Remote clock offset: -2.699 ms

# Below is generated by plot.py at 2017-08-22 02:38:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 216.59 Mbit/s

95th percentile per-packet one-way delay: 1.464 ms

Loss rate: 0.08%

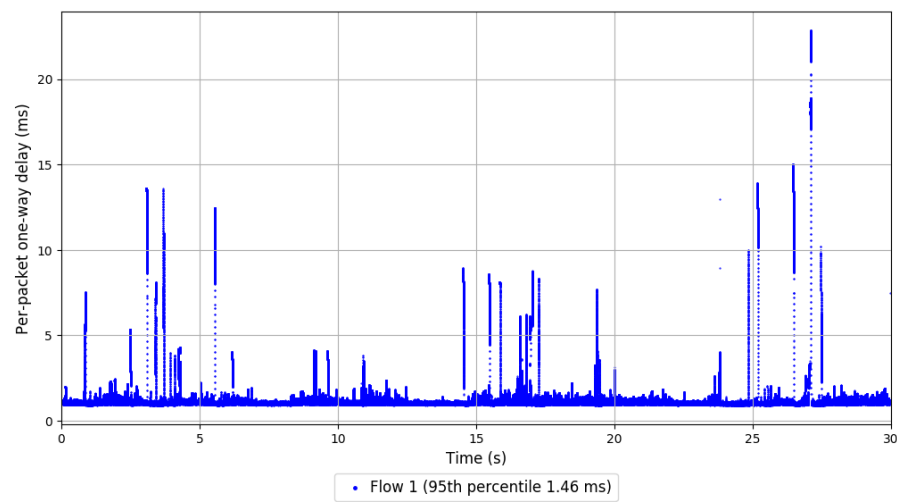
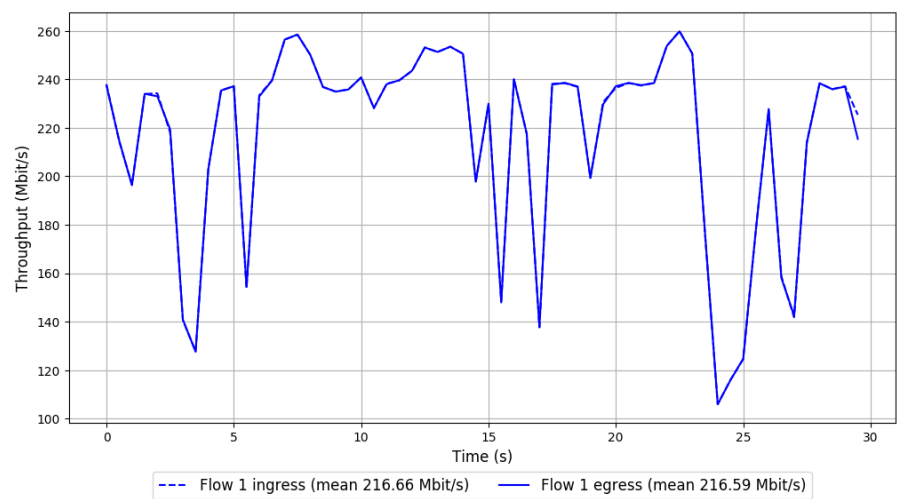
-- Flow 1:

Average throughput: 216.59 Mbit/s

95th percentile per-packet one-way delay: 1.464 ms

Loss rate: 0.08%

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



Run 6: Statistics of TaoVA-100x

Start at: 2017-08-21 19:37:40

End at: 2017-08-21 19:38:10

Local clock offset: 1.085 ms

Remote clock offset: -2.576 ms

# Below is generated by plot.py at 2017-08-22 02:39:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 228.88 Mbit/s

95th percentile per-packet one-way delay: 1.496 ms

Loss rate: 0.01%

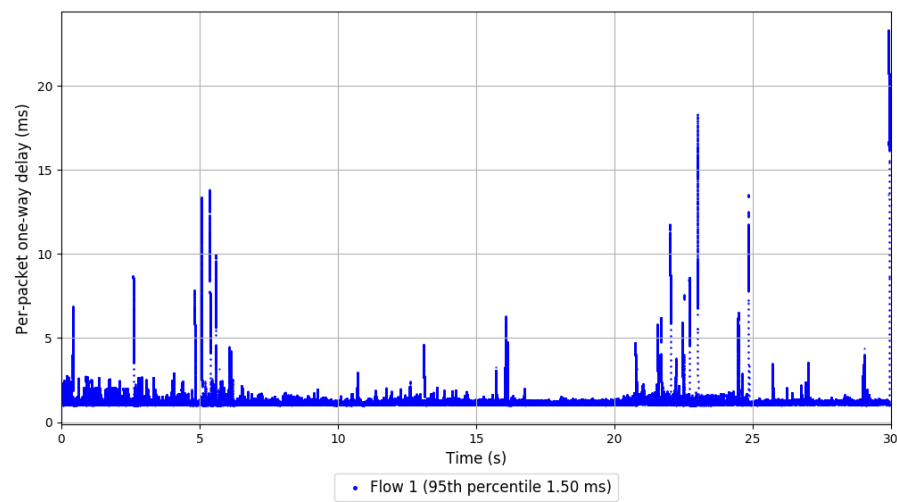
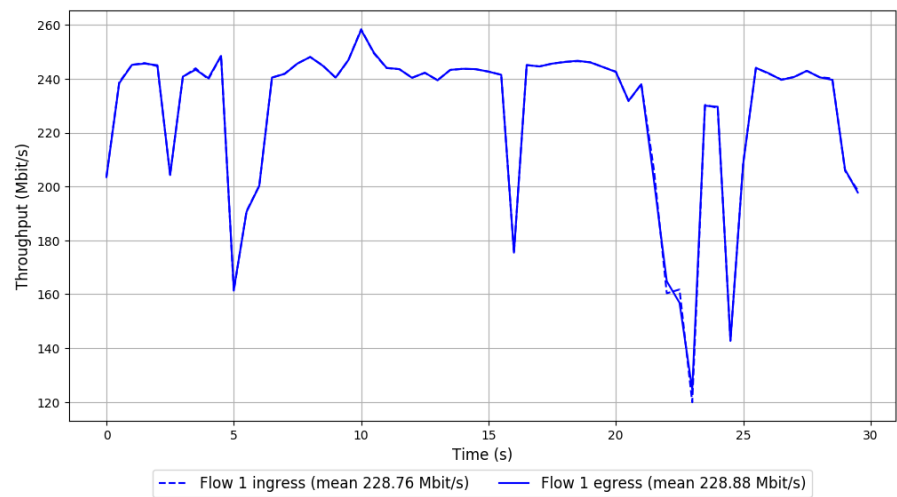
-- Flow 1:

Average throughput: 228.88 Mbit/s

95th percentile per-packet one-way delay: 1.496 ms

Loss rate: 0.01%

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



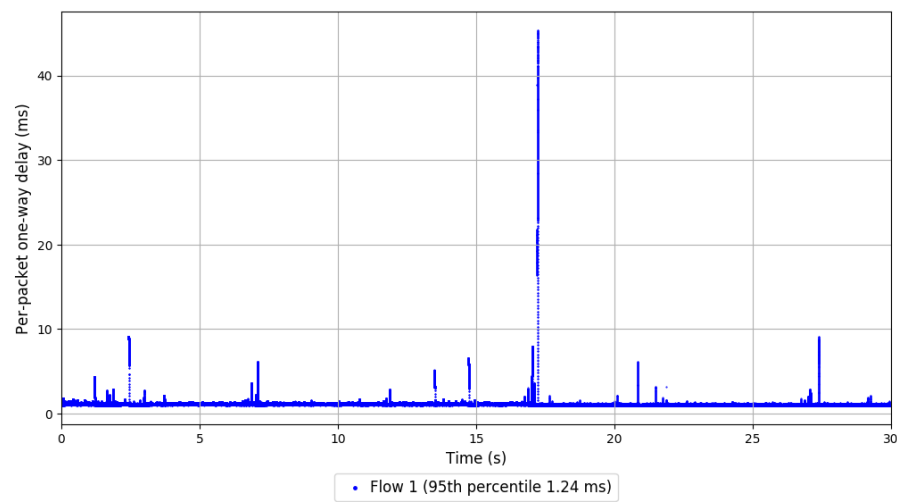
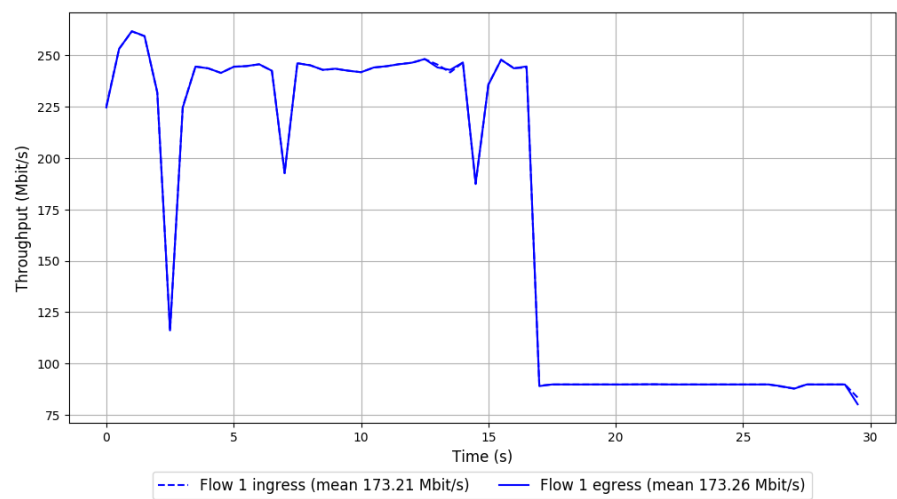
Run 7: Statistics of TaoVA-100x

Start at: 2017-08-21 19:58:19  
End at: 2017-08-21 19:58:49  
Local clock offset: 0.905 ms  
Remote clock offset: -2.682 ms

# Below is generated by plot.py at 2017-08-22 02:39:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 173.26 Mbit/s  
95th percentile per-packet one-way delay: 1.240 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 173.26 Mbit/s  
95th percentile per-packet one-way delay: 1.240 ms  
Loss rate: 0.03%



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



Run 8: Statistics of TaoVA-100x

Start at: 2017-08-21 20:18:54

End at: 2017-08-21 20:19:24

Local clock offset: 0.653 ms

Remote clock offset: -2.374 ms

# Below is generated by plot.py at 2017-08-22 02:40:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 236.70 Mbit/s

95th percentile per-packet one-way delay: 1.331 ms

Loss rate: 0.08%

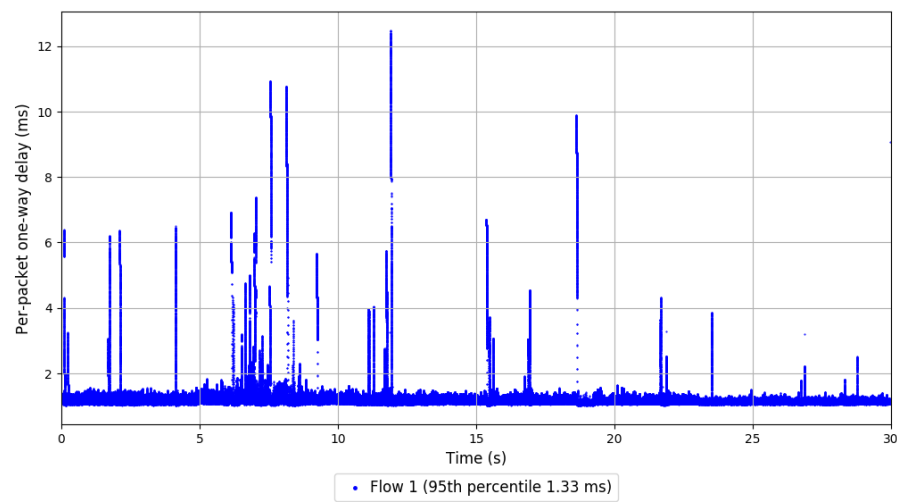
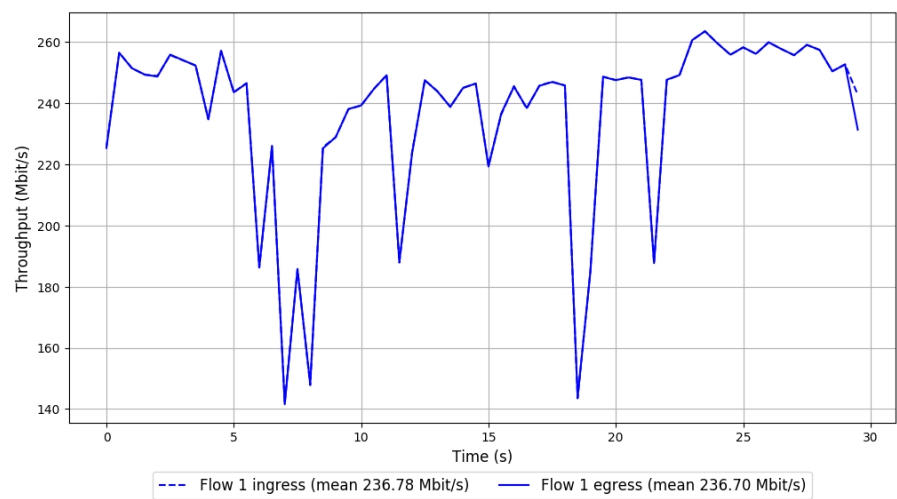
-- Flow 1:

Average throughput: 236.70 Mbit/s

95th percentile per-packet one-way delay: 1.331 ms

Loss rate: 0.08%

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



Run 9: Statistics of TaoVA-100x

Start at: 2017-08-21 20:39:52

End at: 2017-08-21 20:40:22

Local clock offset: 0.598 ms

Remote clock offset: -1.986 ms

# Below is generated by plot.py at 2017-08-22 02:40:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 219.09 Mbit/s

95th percentile per-packet one-way delay: 1.462 ms

Loss rate: 0.07%

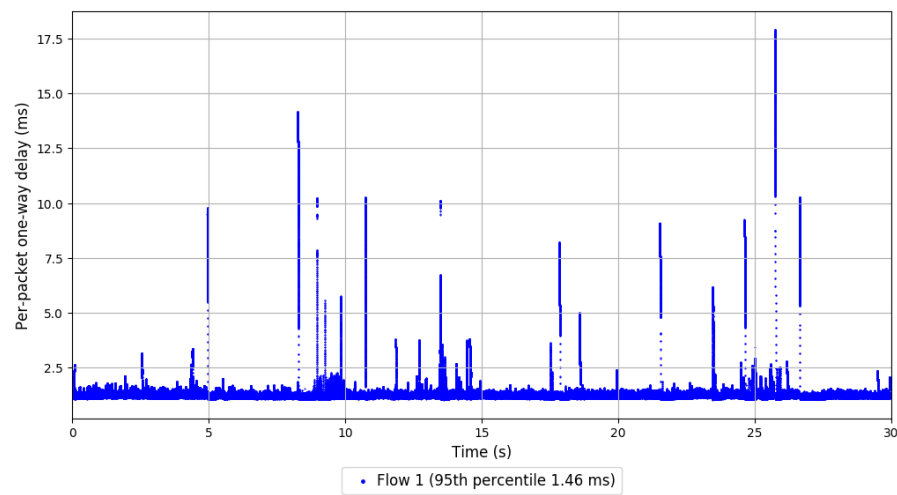
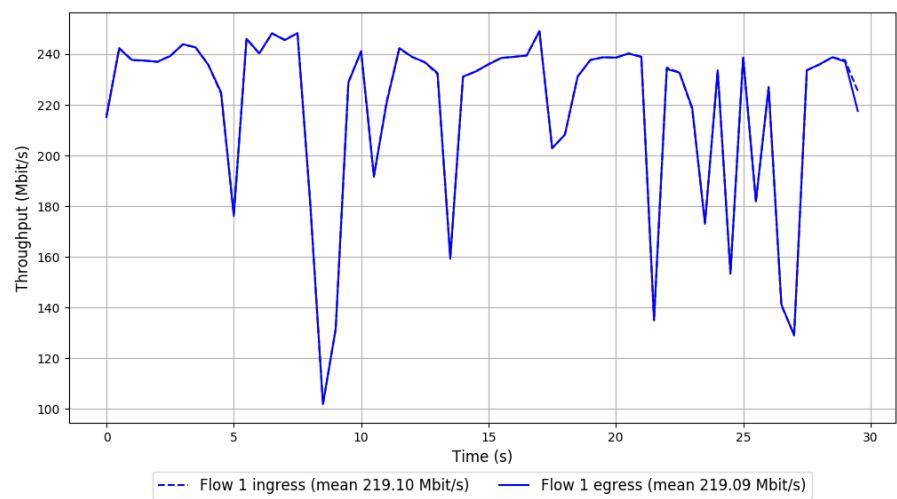
-- Flow 1:

Average throughput: 219.09 Mbit/s

95th percentile per-packet one-way delay: 1.462 ms

Loss rate: 0.07%

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



Run 10: Statistics of TaoVA-100x

Start at: 2017-08-21 21:00:43

End at: 2017-08-21 21:01:13

Local clock offset: 0.551 ms

Remote clock offset: -1.997 ms

# Below is generated by plot.py at 2017-08-22 02:41:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 220.37 Mbit/s

95th percentile per-packet one-way delay: 1.622 ms

Loss rate: 0.08%

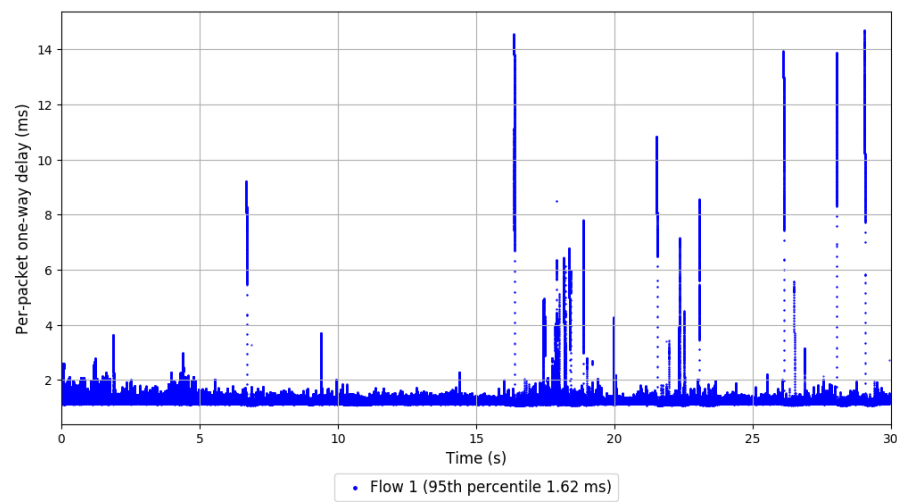
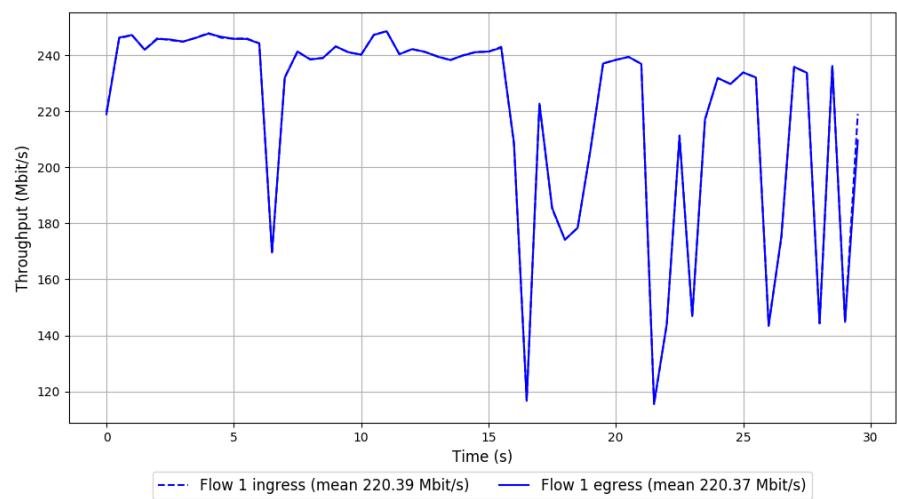
-- Flow 1:

Average throughput: 220.37 Mbit/s

95th percentile per-packet one-way delay: 1.622 ms

Loss rate: 0.08%

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



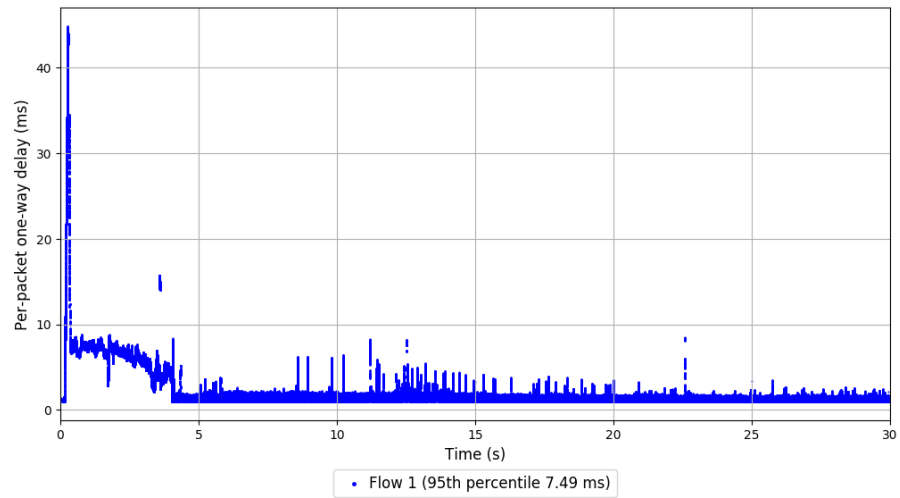
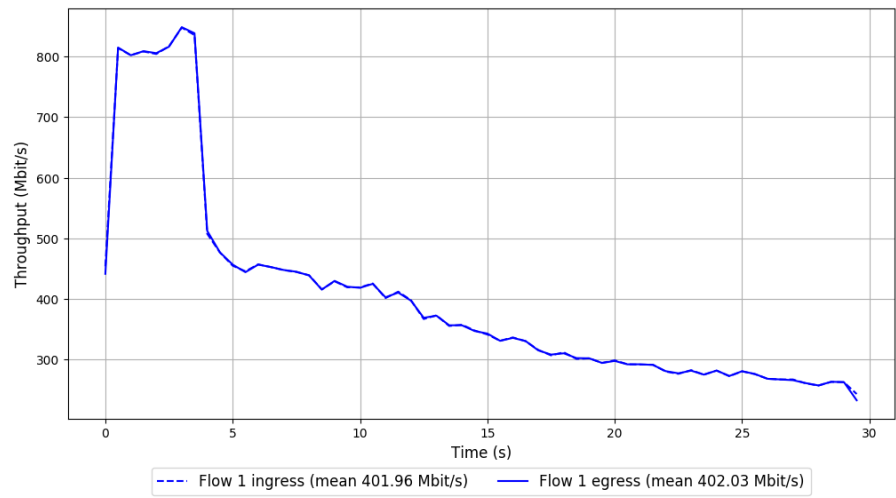
Run 1: Statistics of TCP Vegas

Start at: 2017-08-21 17:54:58  
End at: 2017-08-21 17:55:28  
Local clock offset: 0.372 ms  
Remote clock offset: -3.667 ms

# Below is generated by plot.py at 2017-08-22 02:41:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 402.03 Mbit/s  
95th percentile per-packet one-way delay: 7.491 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 402.03 Mbit/s  
95th percentile per-packet one-way delay: 7.491 ms  
Loss rate: 0.04%



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

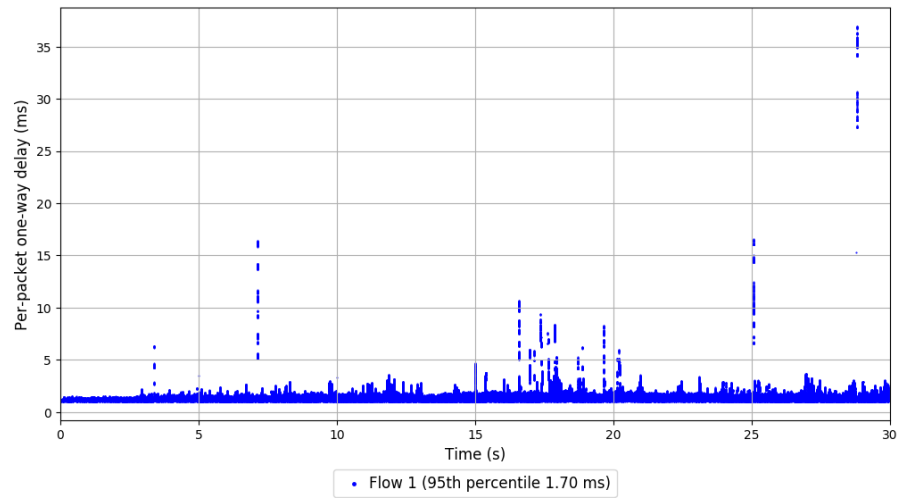
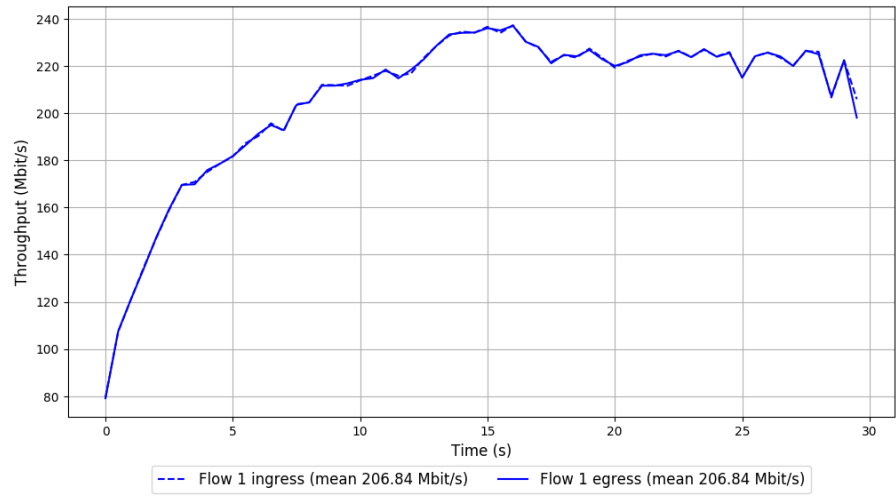


Run 2: Statistics of TCP Vegas

Start at: 2017-08-21 18:15:43  
End at: 2017-08-21 18:16:13  
Local clock offset: 0.499 ms  
Remote clock offset: -3.377 ms

# Below is generated by plot.py at 2017-08-22 02:41:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 206.84 Mbit/s  
95th percentile per-packet one-way delay: 1.703 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 206.84 Mbit/s  
95th percentile per-packet one-way delay: 1.703 ms  
Loss rate: 0.07%

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



Run 3: Statistics of TCP Vegas

Start at: 2017-08-21 18:36:31

End at: 2017-08-21 18:37:01

Local clock offset: 0.606 ms

Remote clock offset: -3.37 ms

# Below is generated by plot.py at 2017-08-22 02:42:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 236.04 Mbit/s

95th percentile per-packet one-way delay: 1.693 ms

Loss rate: 0.07%

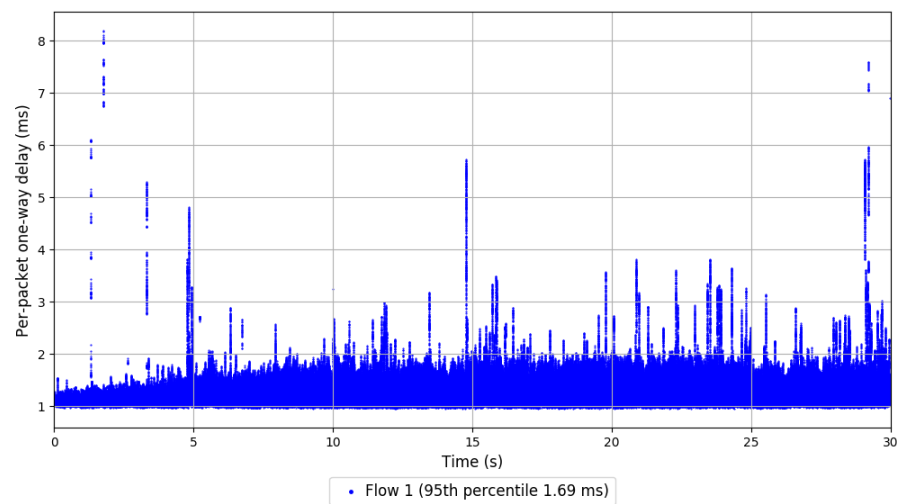
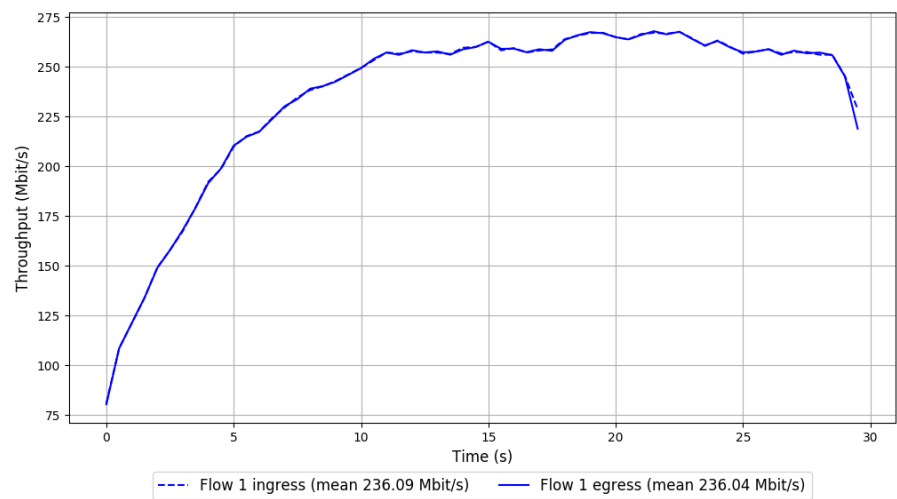
-- Flow 1:

Average throughput: 236.04 Mbit/s

95th percentile per-packet one-way delay: 1.693 ms

Loss rate: 0.07%

Run 3: Report of TCP Vegas — Data Link

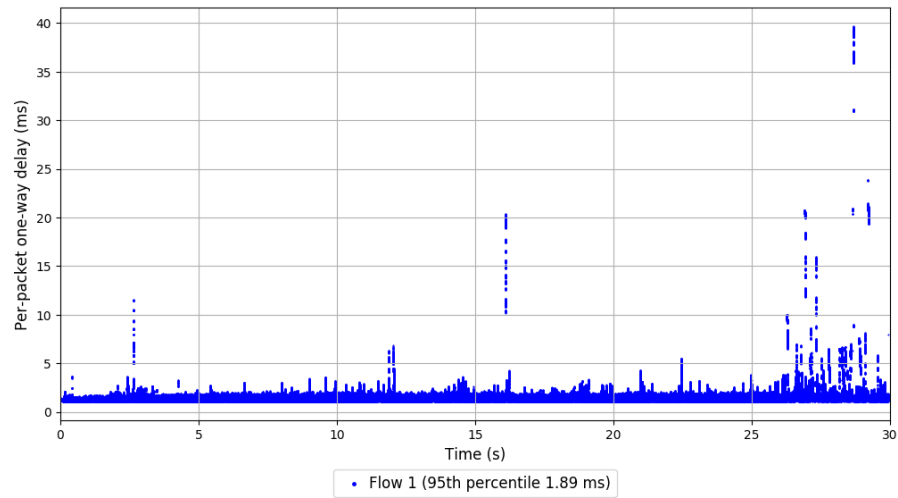
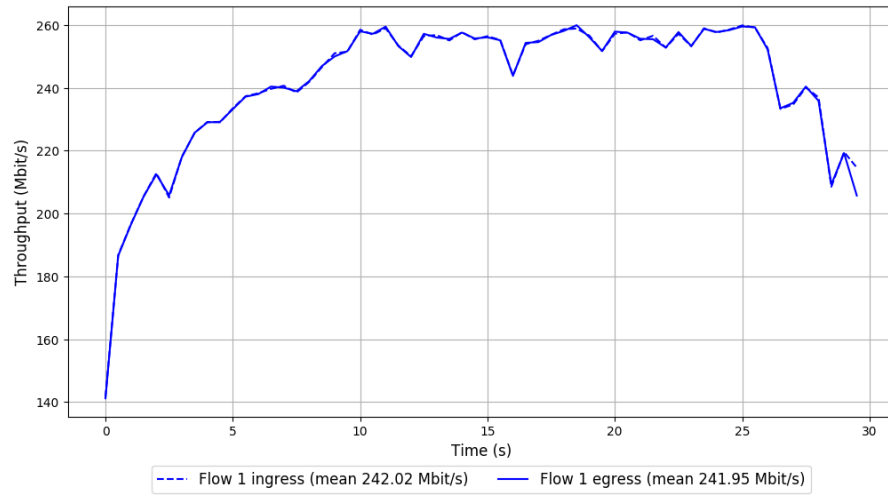


Run 4: Statistics of TCP Vegas

Start at: 2017-08-21 18:57:33  
End at: 2017-08-21 18:58:03  
Local clock offset: 0.853 ms  
Remote clock offset: -2.916 ms

# Below is generated by plot.py at 2017-08-22 02:42:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 241.95 Mbit/s  
95th percentile per-packet one-way delay: 1.893 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 241.95 Mbit/s  
95th percentile per-packet one-way delay: 1.893 ms  
Loss rate: 0.07%

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



Run 5: Statistics of TCP Vegas

Start at: 2017-08-21 19:18:14

End at: 2017-08-21 19:18:44

Local clock offset: 0.935 ms

Remote clock offset: -2.74 ms

# Below is generated by plot.py at 2017-08-22 02:42:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 207.10 Mbit/s

95th percentile per-packet one-way delay: 1.696 ms

Loss rate: 0.07%

-- Flow 1:

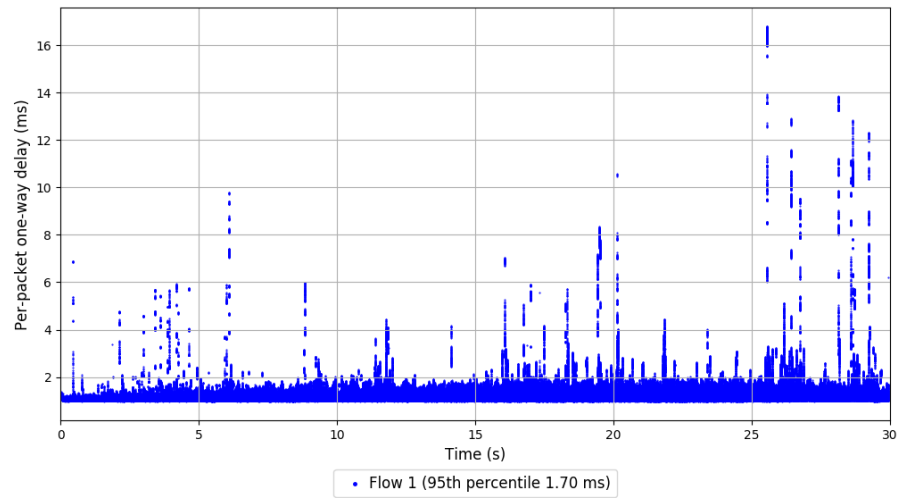
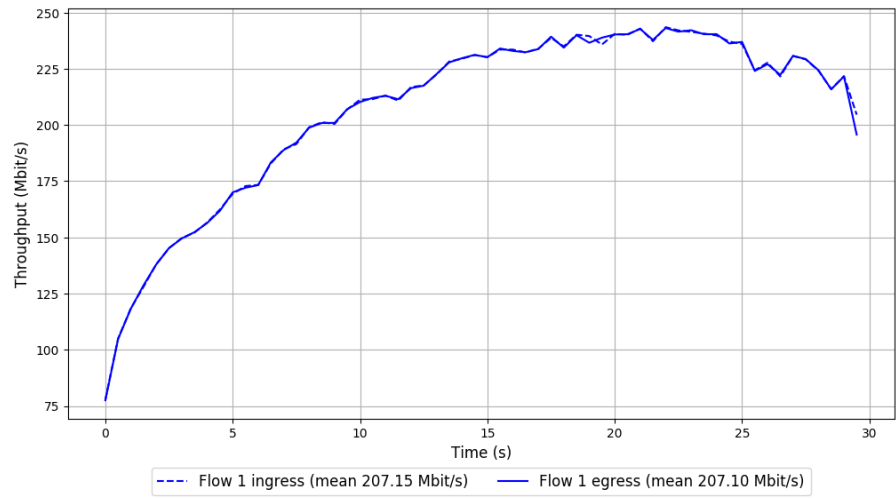
Average throughput: 207.10 Mbit/s

95th percentile per-packet one-way delay: 1.696 ms

Loss rate: 0.07%



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

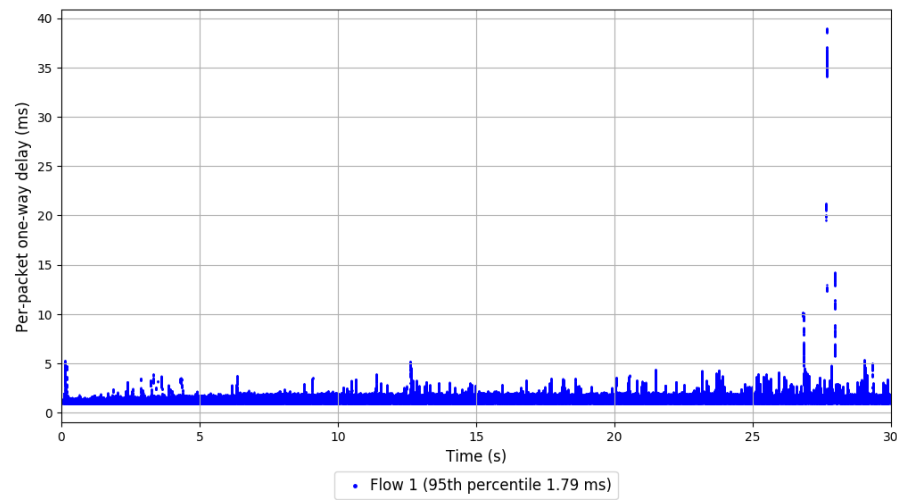
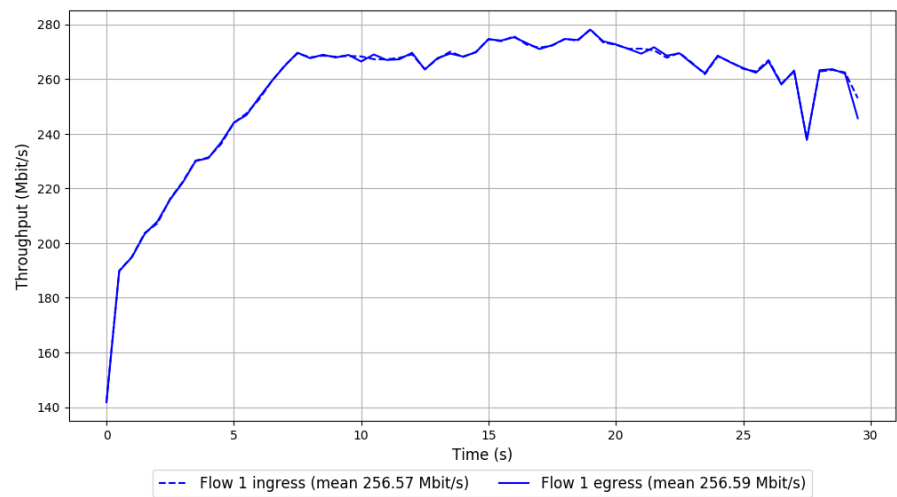


Run 6: Statistics of TCP Vegas

Start at: 2017-08-21 19:39:10  
End at: 2017-08-21 19:39:40  
Local clock offset: 0.988 ms  
Remote clock offset: -2.556 ms

# Below is generated by plot.py at 2017-08-22 02:42:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 256.59 Mbit/s  
95th percentile per-packet one-way delay: 1.791 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 256.59 Mbit/s  
95th percentile per-packet one-way delay: 1.791 ms  
Loss rate: 0.05%

Run 6: Report of TCP Vegas — Data Link

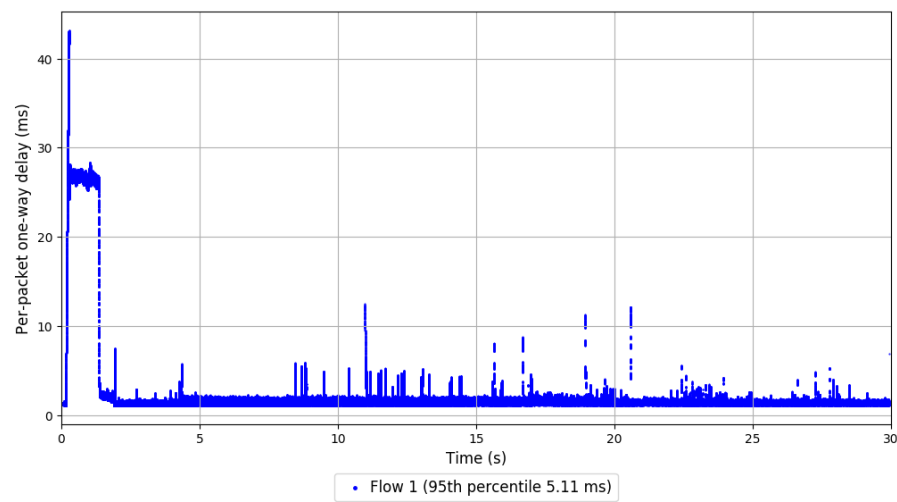
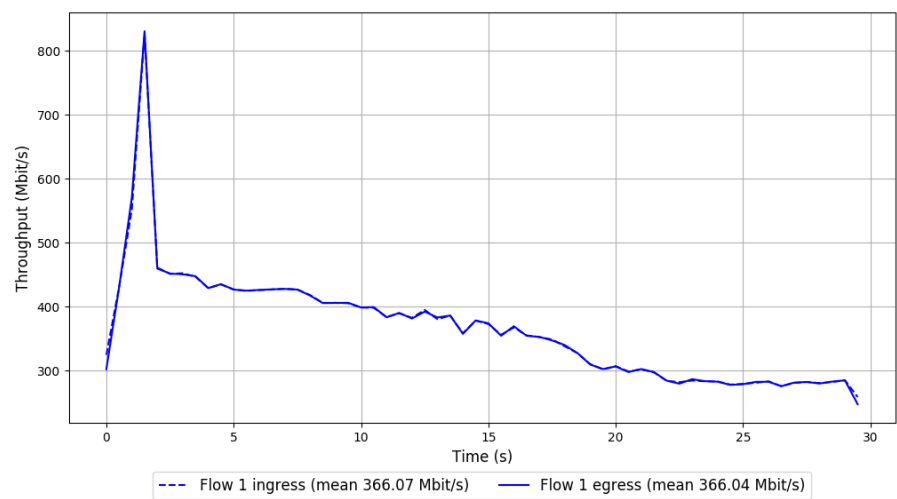


Run 7: Statistics of TCP Vegas

Start at: 2017-08-21 19:59:44  
End at: 2017-08-21 20:00:14  
Local clock offset: 0.966 ms  
Remote clock offset: -2.646 ms

# Below is generated by plot.py at 2017-08-22 02:43:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 366.04 Mbit/s  
95th percentile per-packet one-way delay: 5.110 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 366.04 Mbit/s  
95th percentile per-packet one-way delay: 5.110 ms  
Loss rate: 0.05%

Run 7: Report of TCP Vegas — Data Link

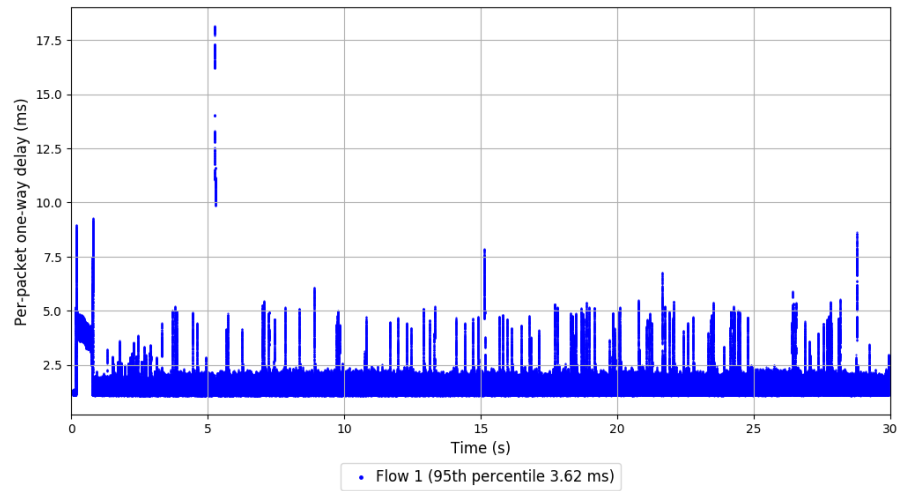
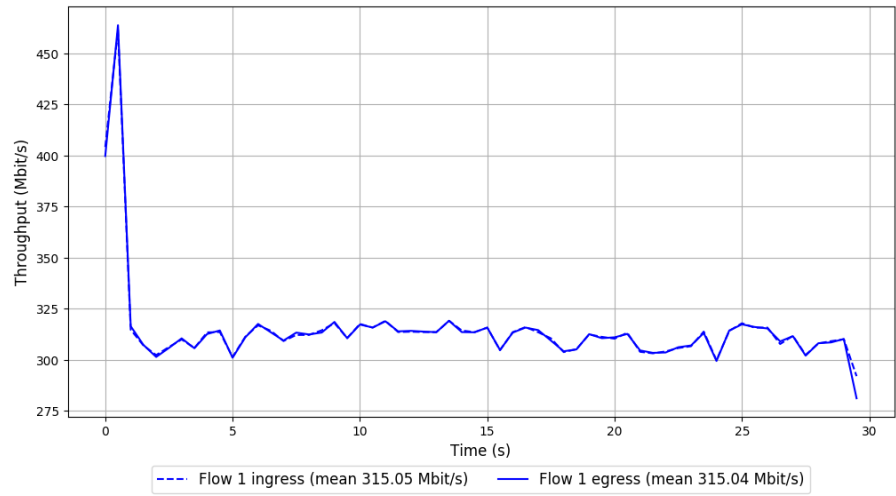


Run 8: Statistics of TCP Vegas

Start at: 2017-08-21 20:20:25  
End at: 2017-08-21 20:20:55  
Local clock offset: 0.675 ms  
Remote clock offset: -2.361 ms

# Below is generated by plot.py at 2017-08-22 02:43:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 315.04 Mbit/s  
95th percentile per-packet one-way delay: 3.619 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 315.04 Mbit/s  
95th percentile per-packet one-way delay: 3.619 ms  
Loss rate: 0.07%

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



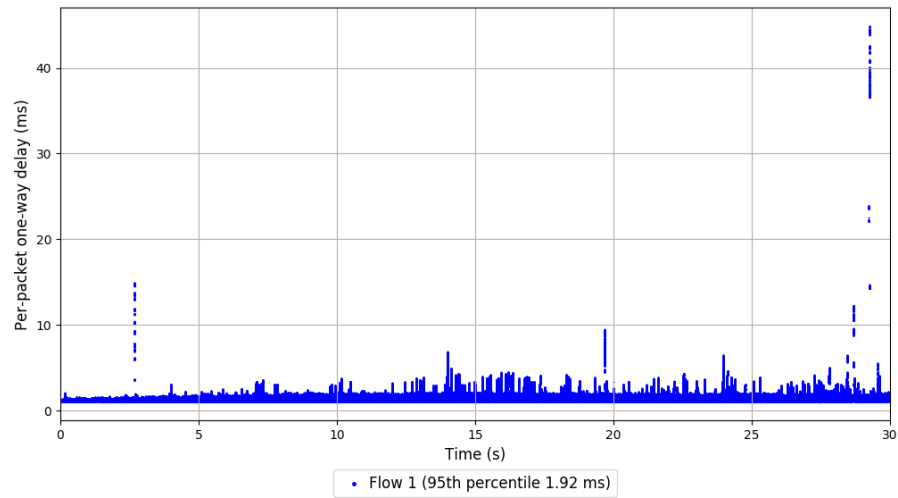
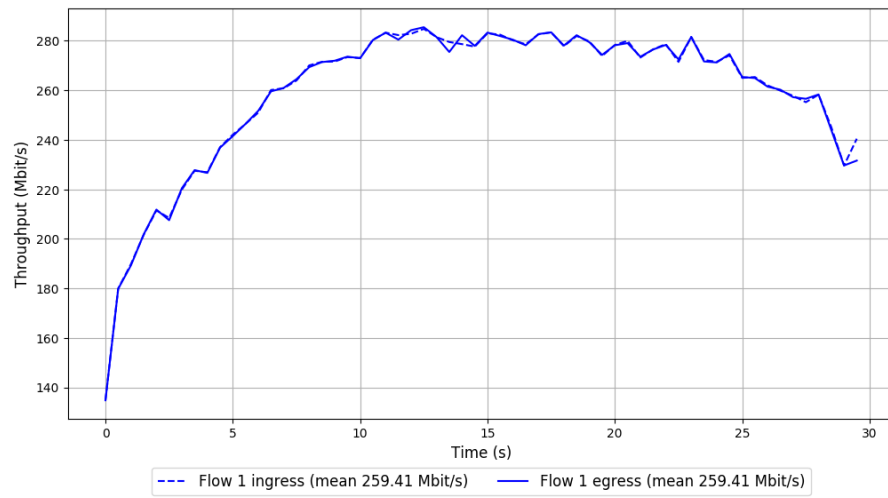
Run 9: Statistics of TCP Vegas

Start at: 2017-08-21 20:41:22  
End at: 2017-08-21 20:41:52  
Local clock offset: 0.568 ms  
Remote clock offset: -1.963 ms

# Below is generated by plot.py at 2017-08-22 02:43:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 259.41 Mbit/s  
95th percentile per-packet one-way delay: 1.924 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 259.41 Mbit/s  
95th percentile per-packet one-way delay: 1.924 ms  
Loss rate: 0.06%



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



Run 10: Statistics of TCP Vegas

Start at: 2017-08-21 21:02:13

End at: 2017-08-21 21:02:43

Local clock offset: 0.548 ms

Remote clock offset: -2.0 ms

# Below is generated by plot.py at 2017-08-22 02:44:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 421.73 Mbit/s

95th percentile per-packet one-way delay: 14.046 ms

Loss rate: 0.05%

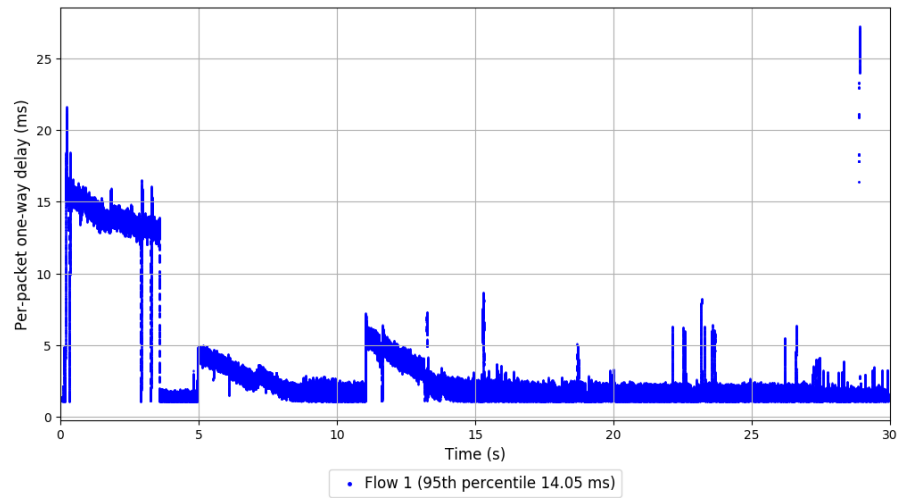
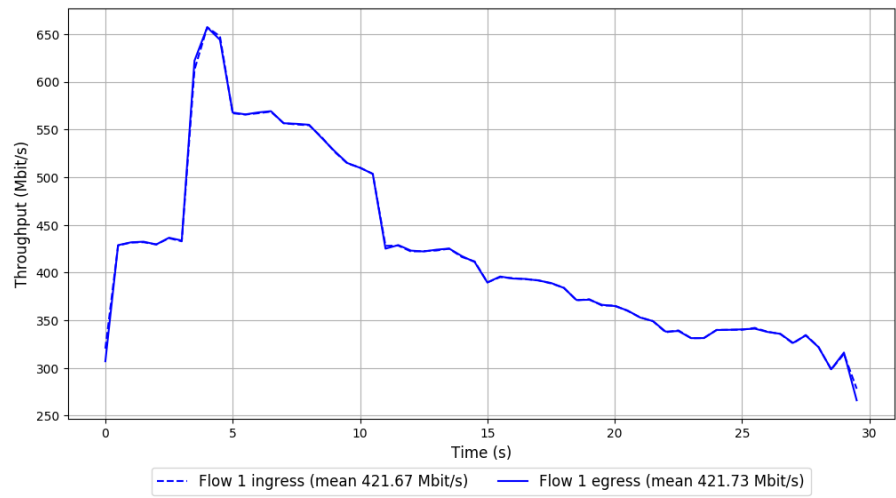
-- Flow 1:

Average throughput: 421.73 Mbit/s

95th percentile per-packet one-way delay: 14.046 ms

Loss rate: 0.05%

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



Run 1: Statistics of Verus

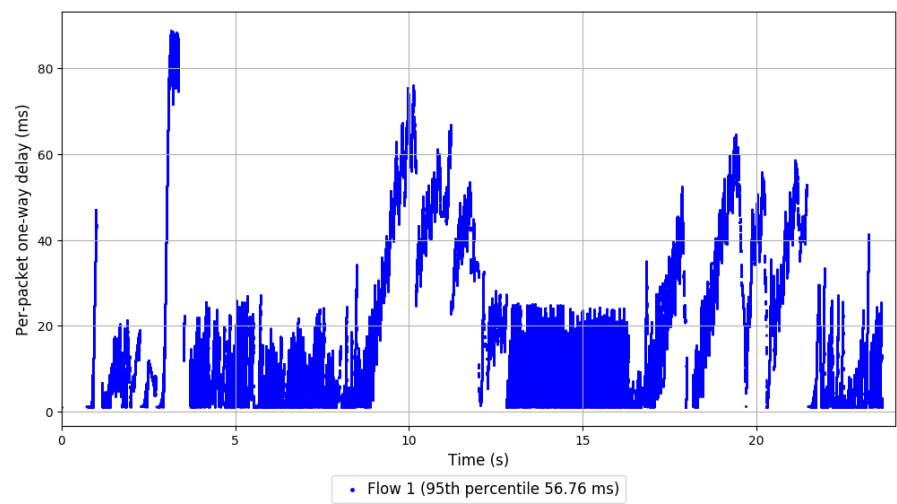
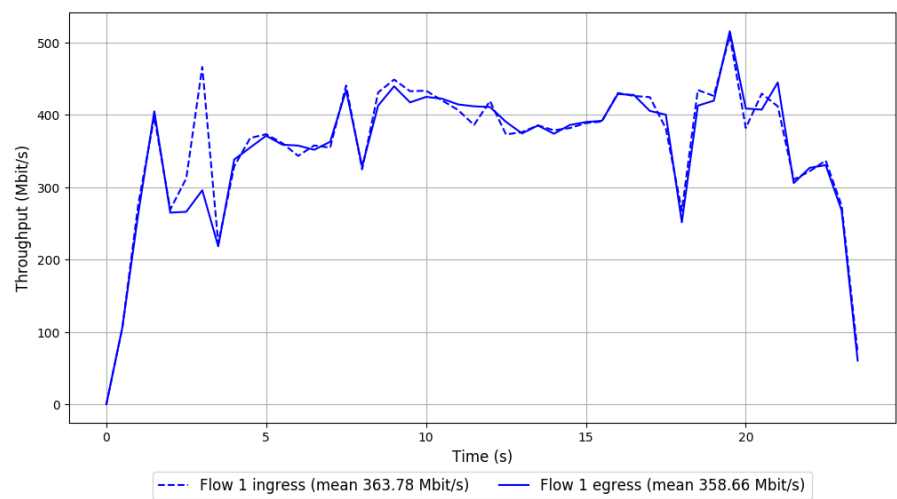
Start at: 2017-08-21 17:57:53

End at: 2017-08-21 17:58:23

Local clock offset: 0.418 ms

Remote clock offset: -3.666 ms

Run 1: Report of Verus — Data Link

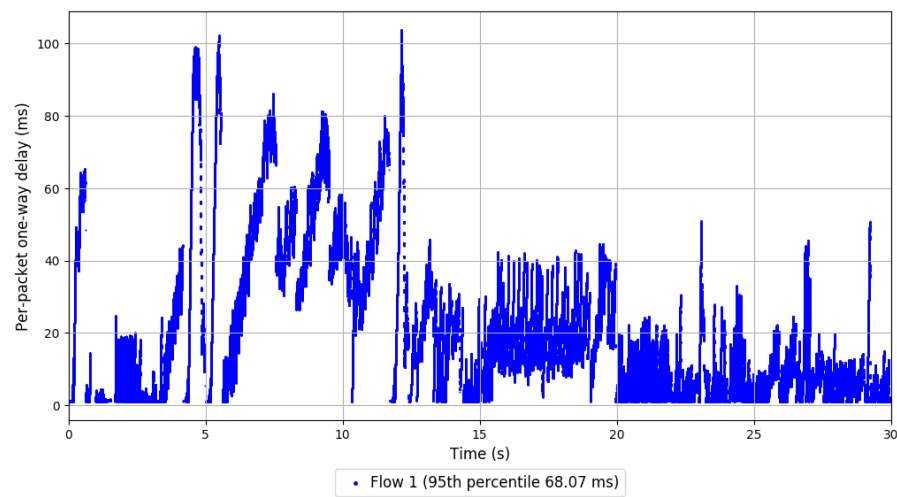
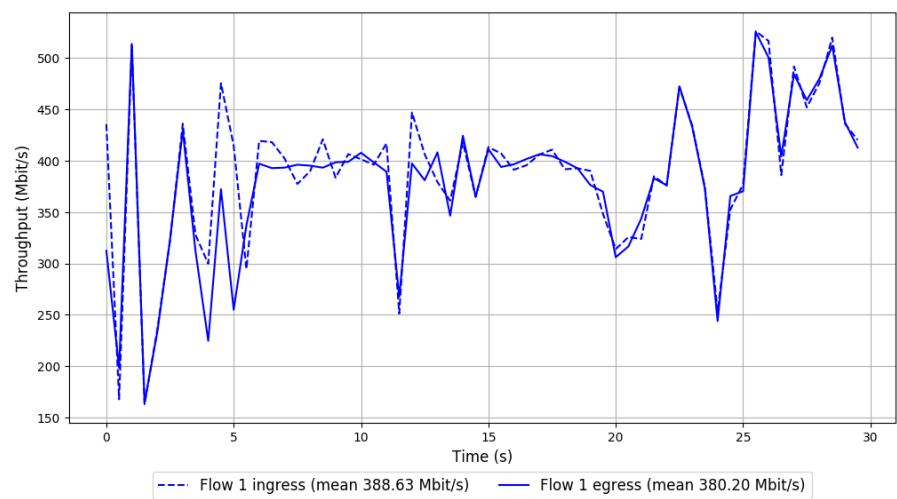


Run 2: Statistics of Verus

Start at: 2017-08-21 18:18:31  
End at: 2017-08-21 18:19:01  
Local clock offset: 0.488 ms  
Remote clock offset: -3.444 ms

# Below is generated by plot.py at 2017-08-22 02:45:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 380.20 Mbit/s  
95th percentile per-packet one-way delay: 68.072 ms  
Loss rate: 2.25%  
-- Flow 1:  
Average throughput: 380.20 Mbit/s  
95th percentile per-packet one-way delay: 68.072 ms  
Loss rate: 2.25%

Run 2: Report of Verus — Data Link



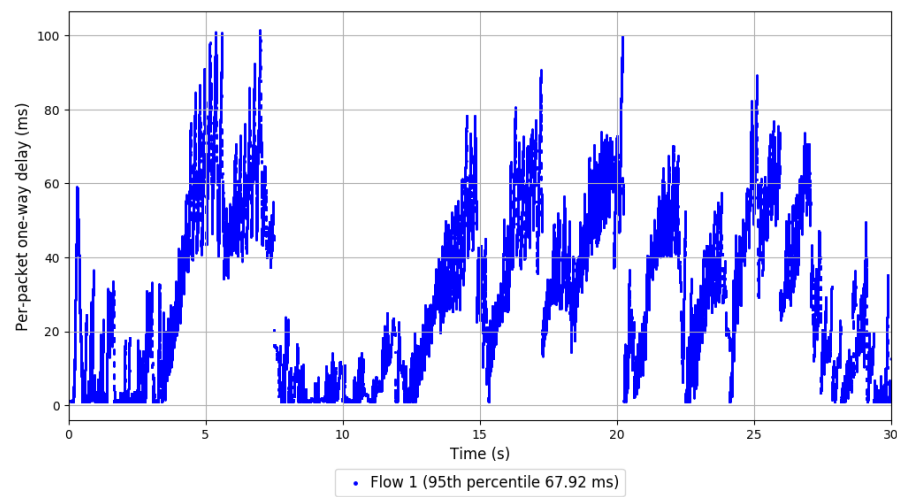
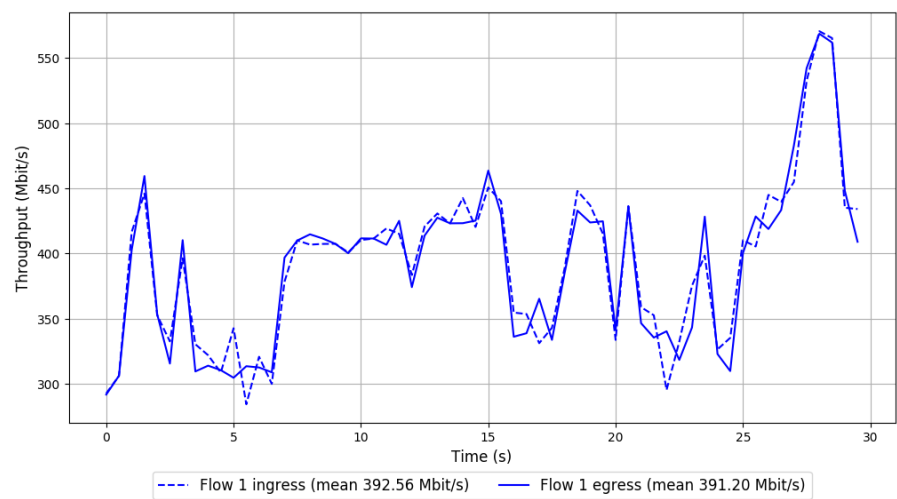
Run 3: Statistics of Verus

Start at: 2017-08-21 18:39:19  
End at: 2017-08-21 18:39:49  
Local clock offset: 0.663 ms  
Remote clock offset: -3.361 ms

# Below is generated by plot.py at 2017-08-22 02:45:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 391.20 Mbit/s  
95th percentile per-packet one-way delay: 67.918 ms  
Loss rate: 0.40%  
-- Flow 1:  
Average throughput: 391.20 Mbit/s  
95th percentile per-packet one-way delay: 67.918 ms  
Loss rate: 0.40%



Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

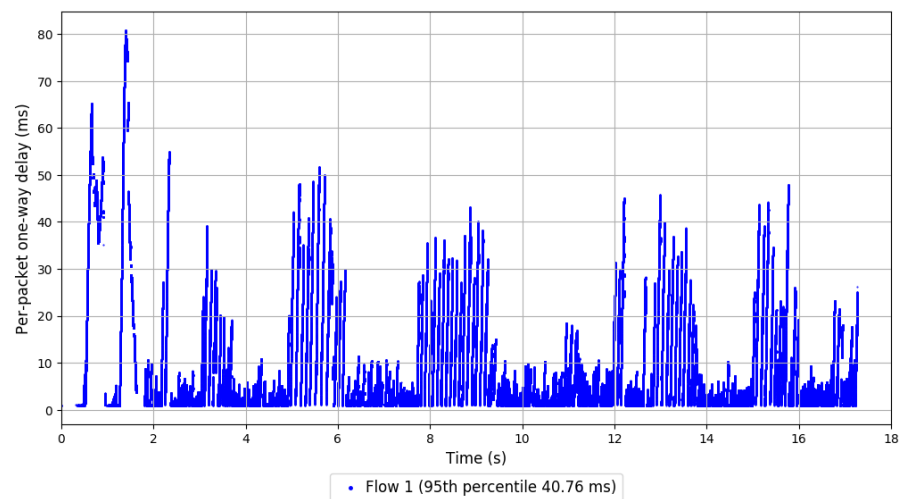
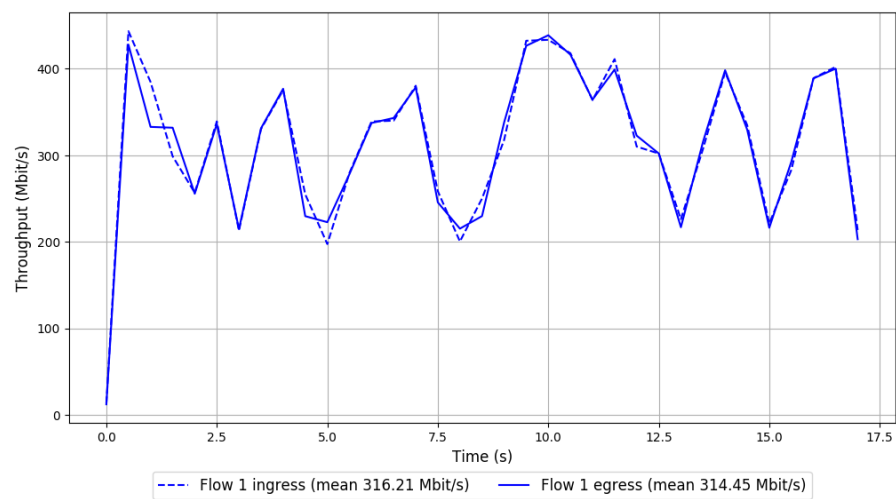
Start at: 2017-08-21 19:00:22

End at: 2017-08-21 19:00:52

Local clock offset: 0.787 ms

Remote clock offset: -2.764 ms

Run 4: Report of Verus — Data Link

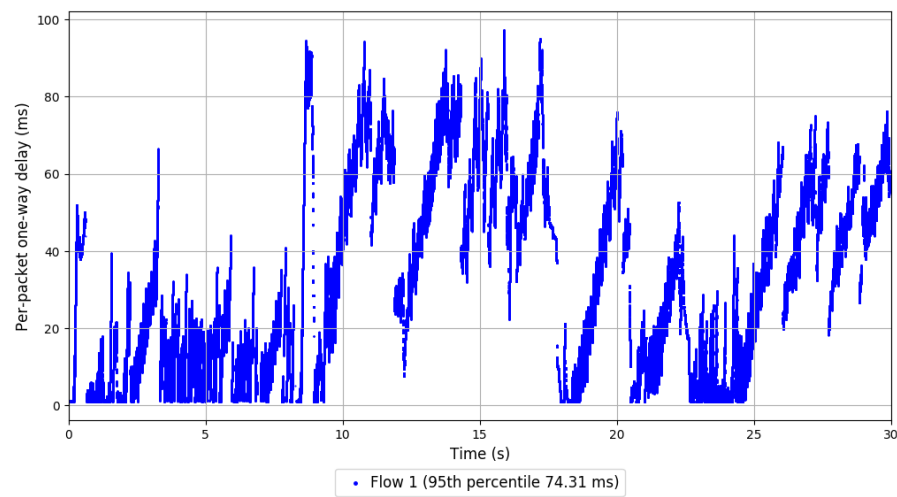
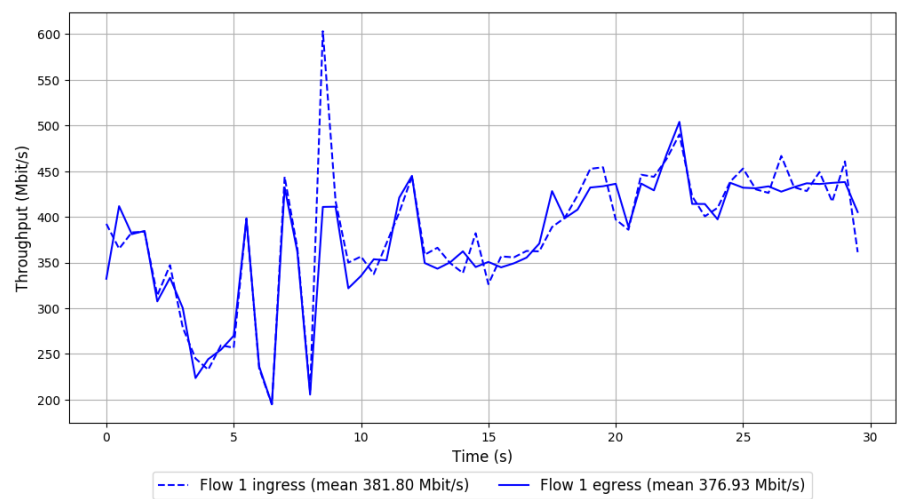


Run 5: Statistics of Verus

Start at: 2017-08-21 19:21:00  
End at: 2017-08-21 19:21:30  
Local clock offset: 0.961 ms  
Remote clock offset: -2.725 ms

# Below is generated by plot.py at 2017-08-22 02:46:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 376.93 Mbit/s  
95th percentile per-packet one-way delay: 74.308 ms  
Loss rate: 1.34%  
-- Flow 1:  
Average throughput: 376.93 Mbit/s  
95th percentile per-packet one-way delay: 74.308 ms  
Loss rate: 1.34%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

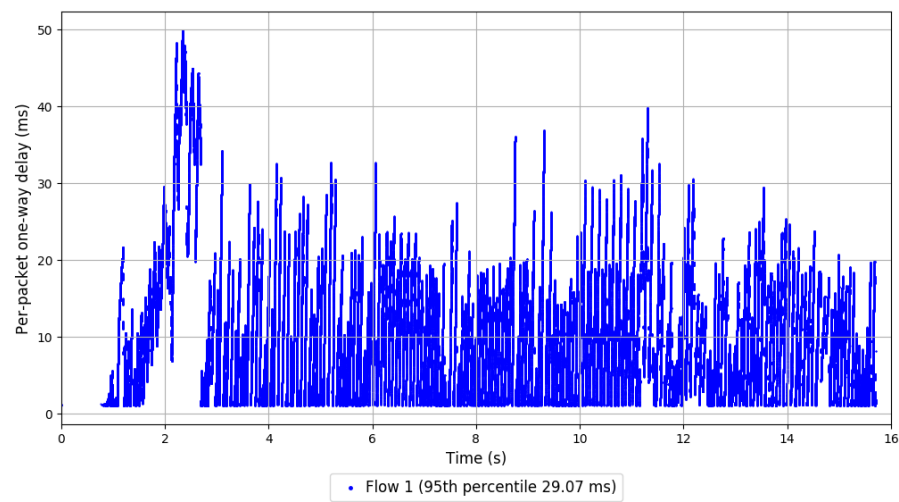
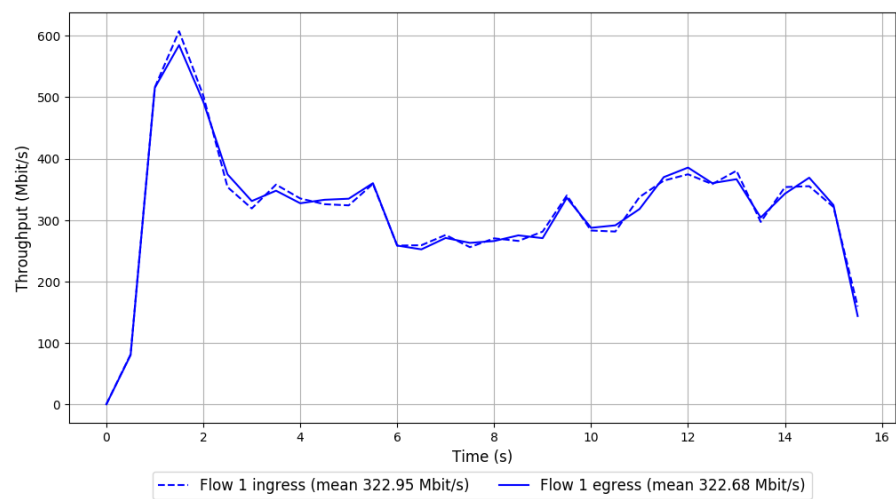
Start at: 2017-08-21 19:41:59

End at: 2017-08-21 19:42:29

Local clock offset: 1.075 ms

Remote clock offset: -2.565 ms

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: 2017-08-21 20:02:38

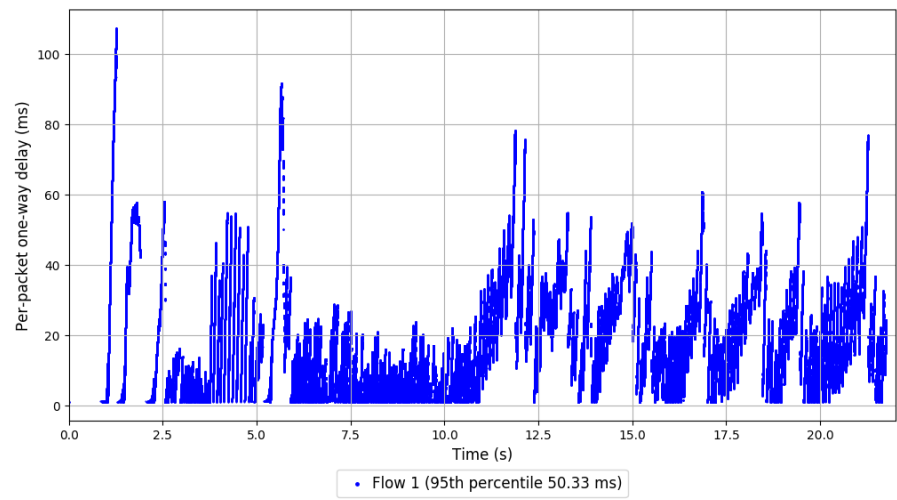
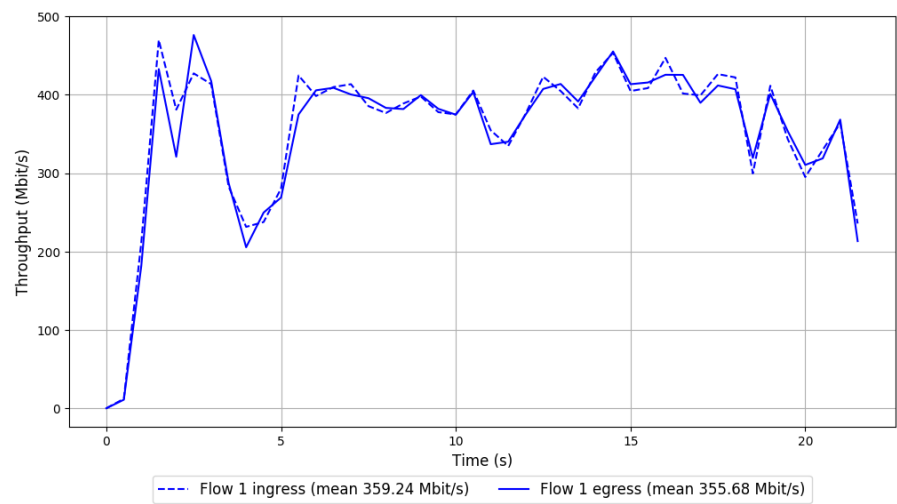
End at: 2017-08-21 20:03:08

Local clock offset: 0.925 ms

Remote clock offset: -2.584 ms



Run 7: Report of Verus — Data Link

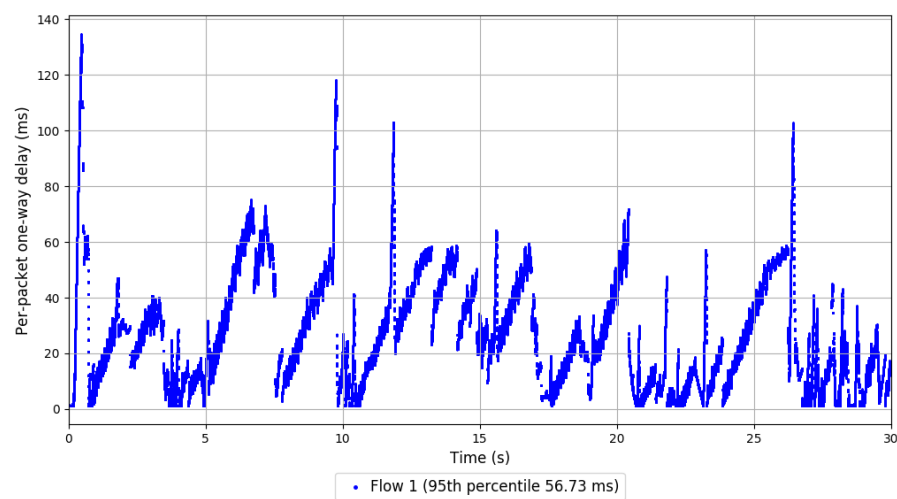
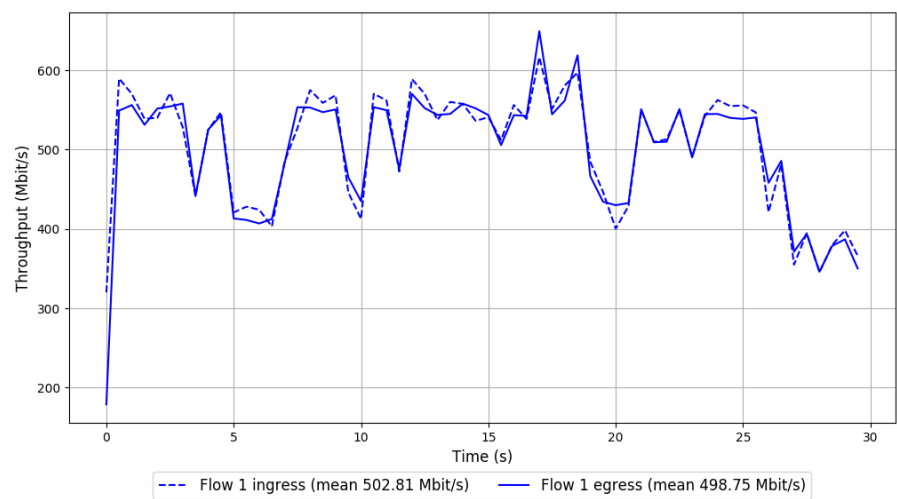


Run 8: Statistics of Verus

Start at: 2017-08-21 20:23:16  
End at: 2017-08-21 20:23:46  
Local clock offset: 0.643 ms  
Remote clock offset: -2.275 ms

# Below is generated by plot.py at 2017-08-22 02:47:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 498.75 Mbit/s  
95th percentile per-packet one-way delay: 56.728 ms  
Loss rate: 0.87%  
-- Flow 1:  
Average throughput: 498.75 Mbit/s  
95th percentile per-packet one-way delay: 56.728 ms  
Loss rate: 0.87%

Run 8: Report of Verus — Data Link

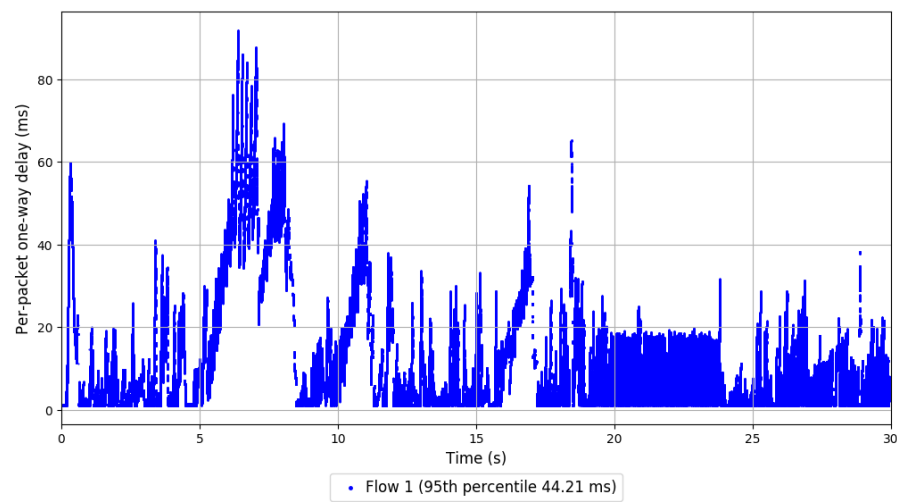
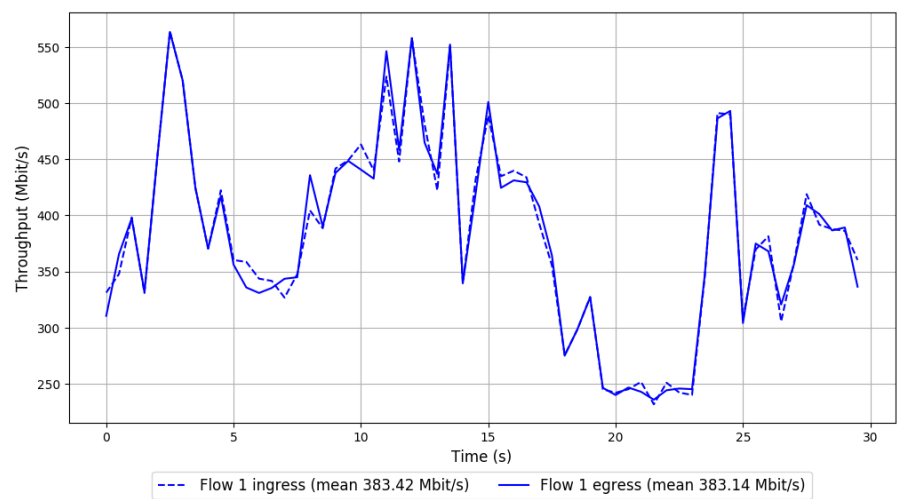


Run 9: Statistics of Verus

Start at: 2017-08-21 20:44:12  
End at: 2017-08-21 20:44:42  
Local clock offset: 0.614 ms  
Remote clock offset: -1.867 ms

# Below is generated by plot.py at 2017-08-22 02:47:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 383.14 Mbit/s  
95th percentile per-packet one-way delay: 44.210 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 383.14 Mbit/s  
95th percentile per-packet one-way delay: 44.210 ms  
Loss rate: 0.14%

Run 9: Report of Verus — Data Link

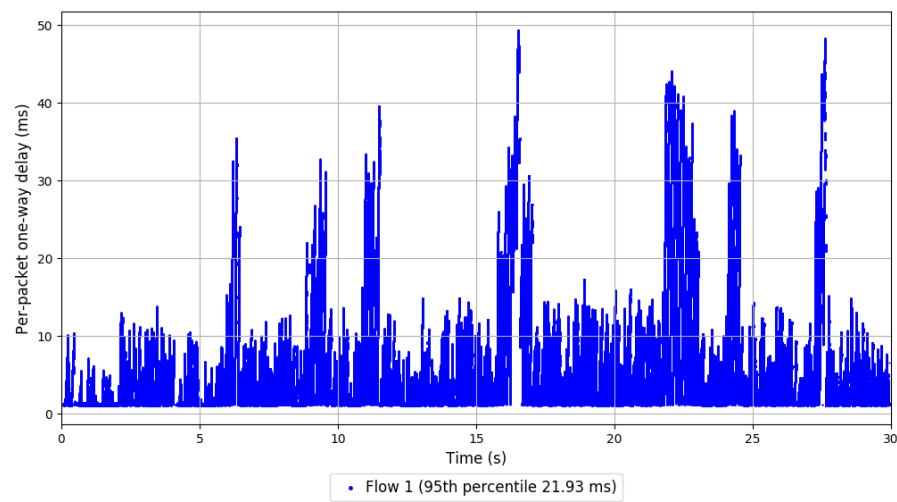
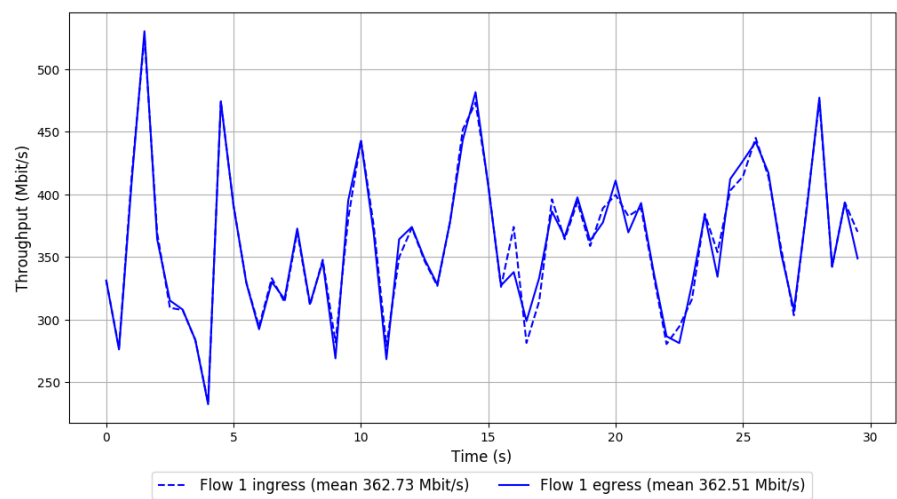


Run 10: Statistics of Verus

Start at: 2017-08-21 21:05:09  
End at: 2017-08-21 21:05:39  
Local clock offset: 0.507 ms  
Remote clock offset: -1.929 ms

# Below is generated by plot.py at 2017-08-22 02:47:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 362.51 Mbit/s  
95th percentile per-packet one-way delay: 21.933 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 362.51 Mbit/s  
95th percentile per-packet one-way delay: 21.933 ms  
Loss rate: 0.10%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: 2017-08-21 17:51:04

End at: 2017-08-21 17:51:34

Local clock offset: 0.362 ms

Remote clock offset: -3.684 ms

# Below is generated by plot.py at 2017-08-22 02:47:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 1.308 ms

Loss rate: 0.10%

-- Flow 1:

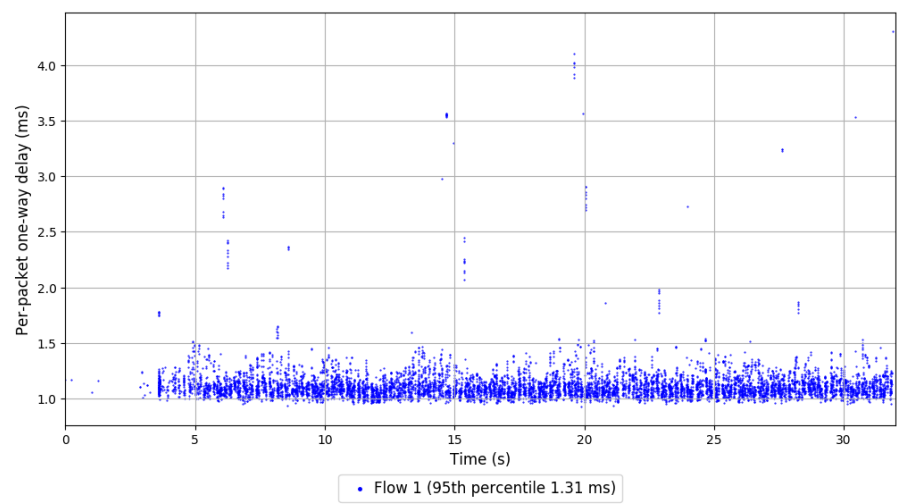
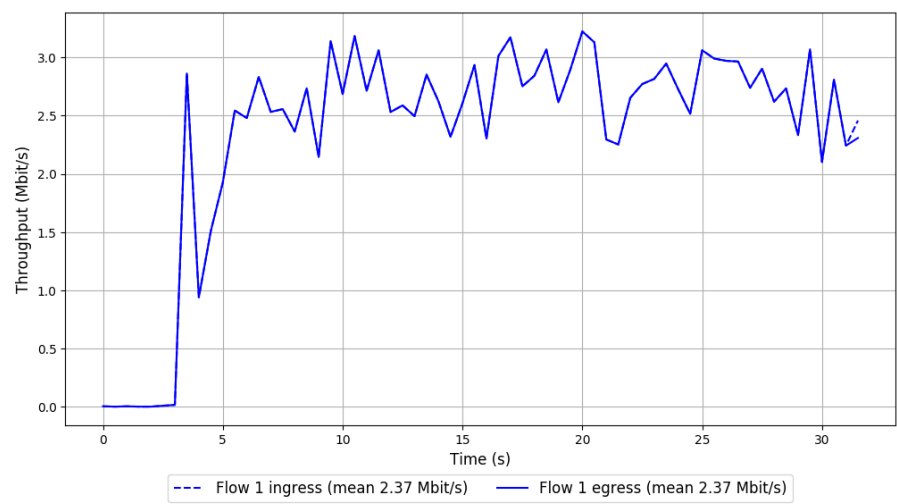
Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 1.308 ms

Loss rate: 0.10%



Run 1: Report of WebRTC media — Data Link

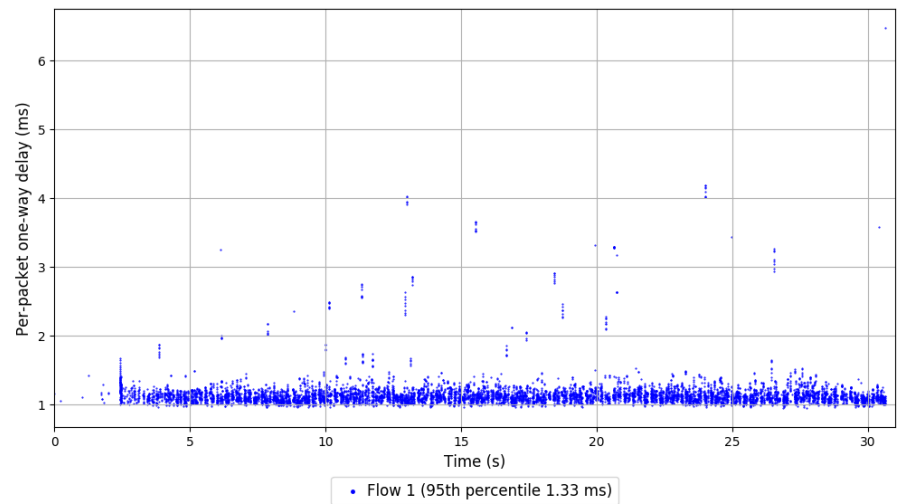
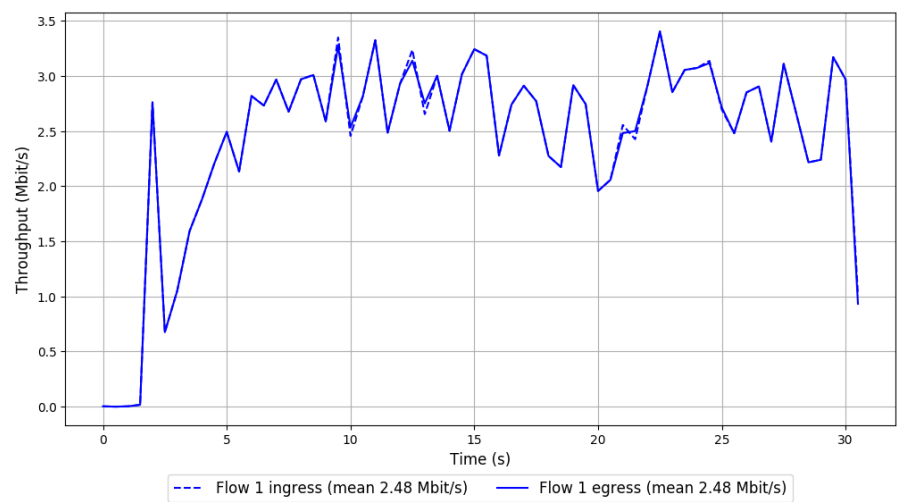


Run 2: Statistics of WebRTC media

Start at: 2017-08-21 18:11:50  
End at: 2017-08-21 18:12:20  
Local clock offset: 0.448 ms  
Remote clock offset: -3.416 ms

# Below is generated by plot.py at 2017-08-22 02:47:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.48 Mbit/s  
95th percentile per-packet one-way delay: 1.331 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 2.48 Mbit/s  
95th percentile per-packet one-way delay: 1.331 ms  
Loss rate: 0.05%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

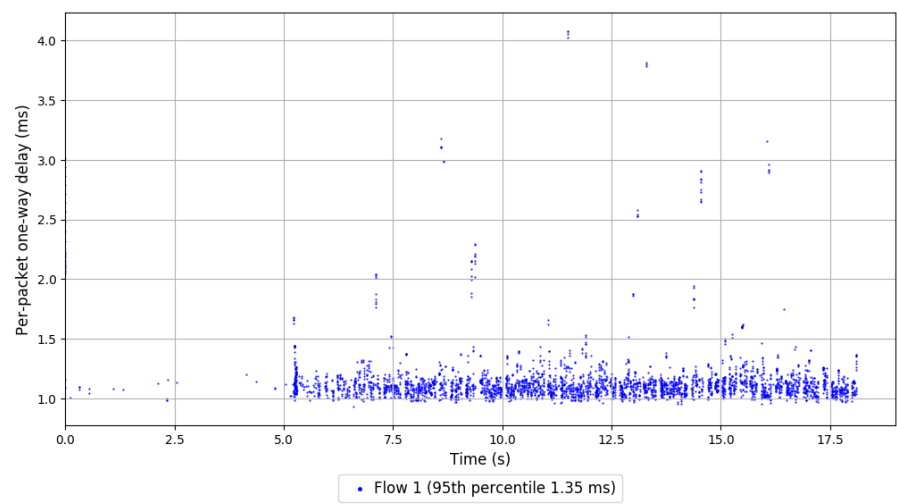
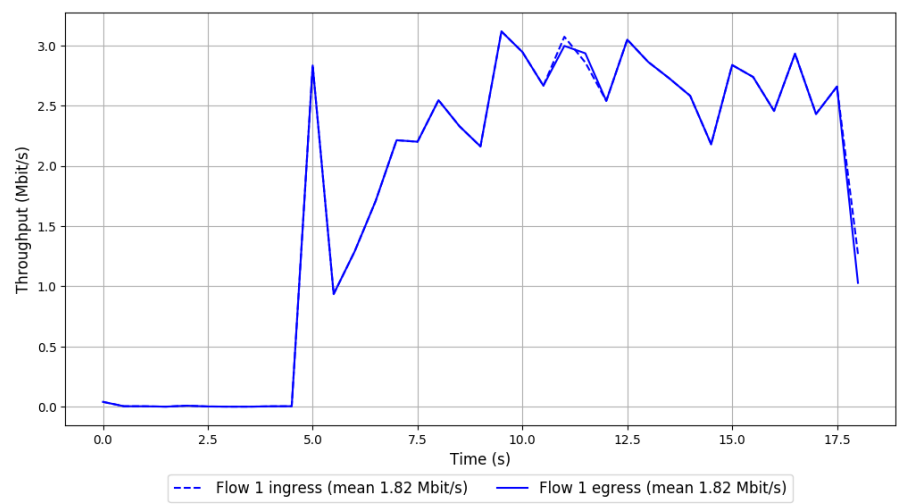
Start at: 2017-08-21 18:32:38

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

Local clock offset: 0.566 ms

Remote clock offset: -3.395 ms

Run 3: Report of WebRTC media — Data Link

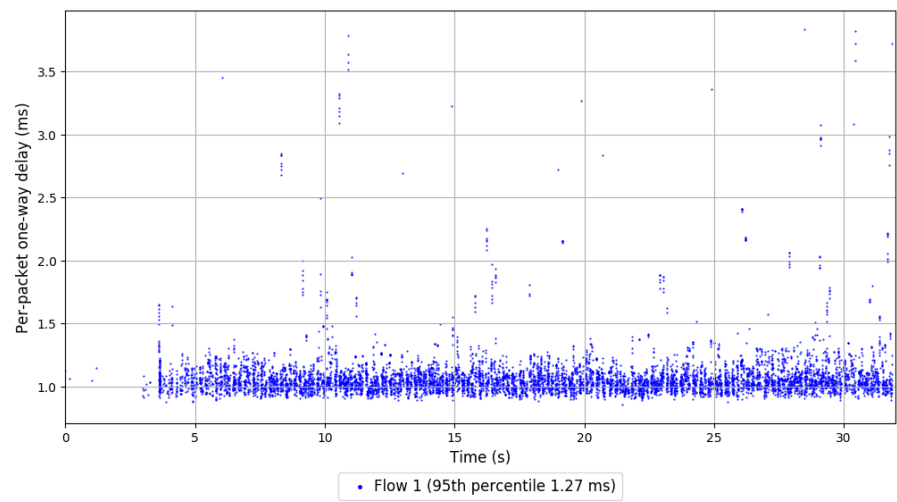
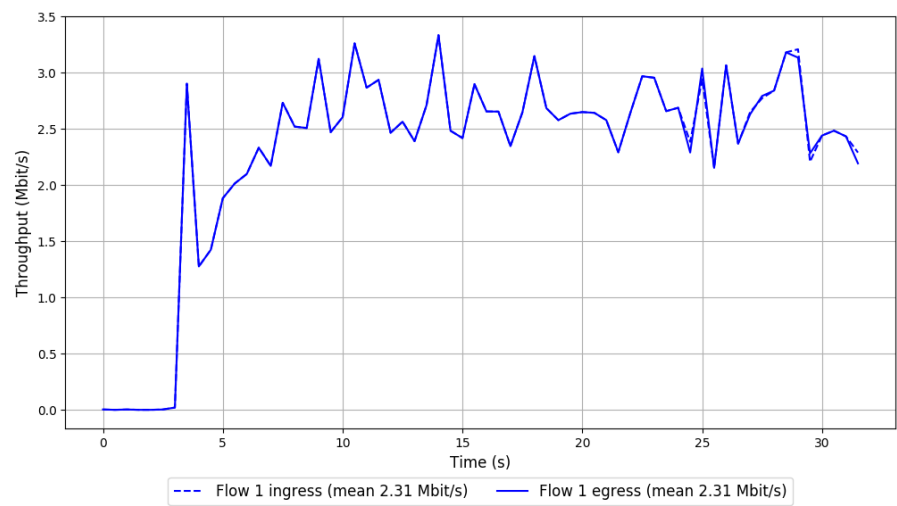


Run 4: Statistics of WebRTC media

Start at: 2017-08-21 18:53:39  
End at: 2017-08-21 18:54:09  
Local clock offset: 0.727 ms  
Remote clock offset: -2.959 ms

# Below is generated by plot.py at 2017-08-22 02:47:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.31 Mbit/s  
95th percentile per-packet one-way delay: 1.268 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 2.31 Mbit/s  
95th percentile per-packet one-way delay: 1.268 ms  
Loss rate: 0.07%

Run 4: Report of WebRTC media — Data Link



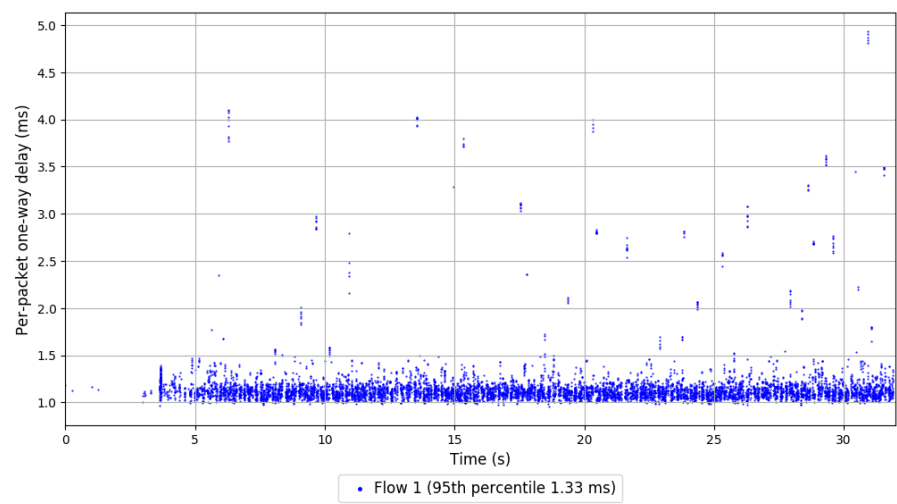
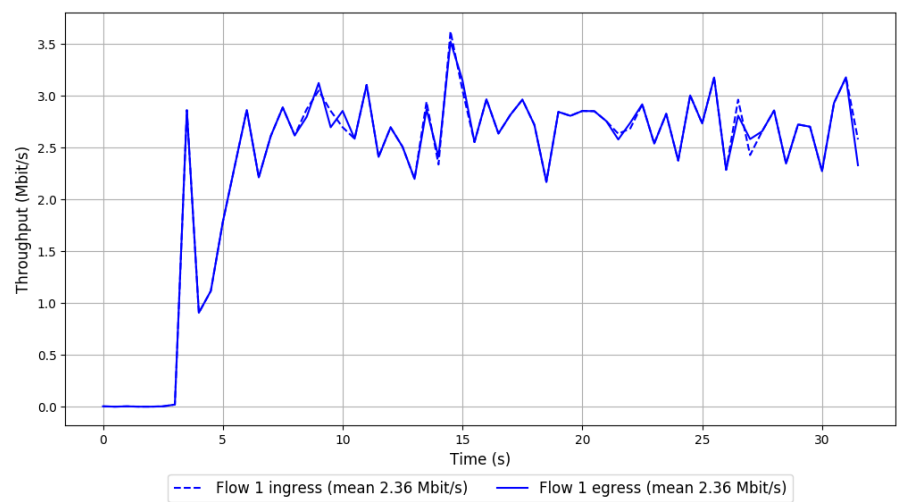
Run 5: Statistics of WebRTC media

Start at: 2017-08-21 19:14:21  
End at: 2017-08-21 19:14:51  
Local clock offset: 0.993 ms  
Remote clock offset: -2.714 ms

# Below is generated by plot.py at 2017-08-22 02:47:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.36 Mbit/s  
95th percentile per-packet one-way delay: 1.329 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 2.36 Mbit/s  
95th percentile per-packet one-way delay: 1.329 ms  
Loss rate: 0.16%



Run 5: Report of WebRTC media — Data Link

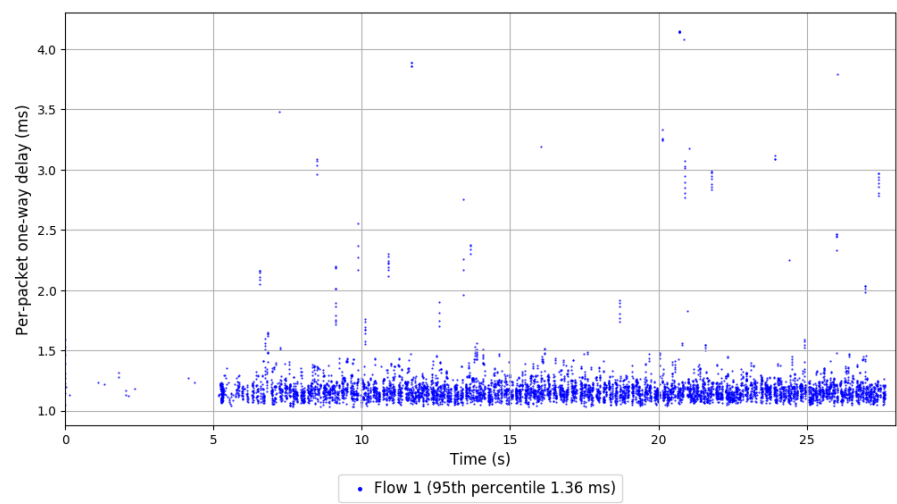
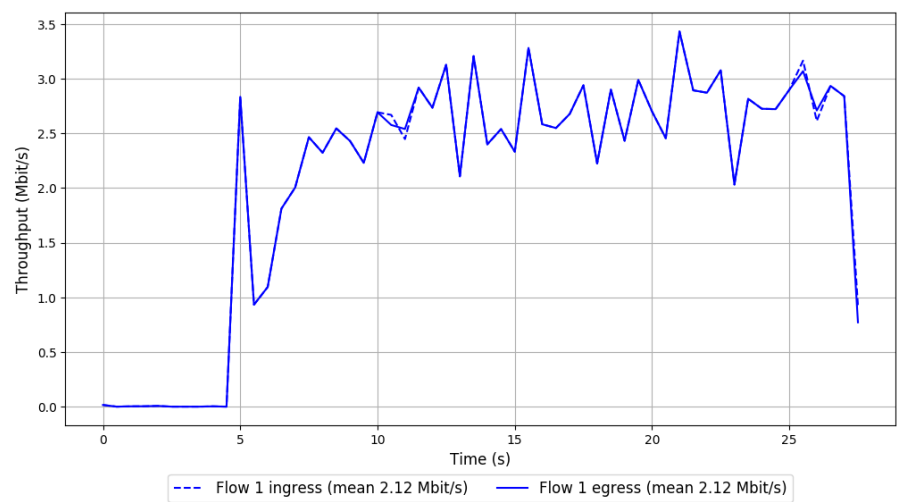


Run 6: Statistics of WebRTC media

Start at: 2017-08-21 19:35:16  
End at: 2017-08-21 19:35:46  
Local clock offset: 1.091 ms  
Remote clock offset: -2.667 ms

# Below is generated by plot.py at 2017-08-22 02:47:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.12 Mbit/s  
95th percentile per-packet one-way delay: 1.356 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 2.12 Mbit/s  
95th percentile per-packet one-way delay: 1.356 ms  
Loss rate: 0.13%

Run 6: Report of WebRTC media — Data Link

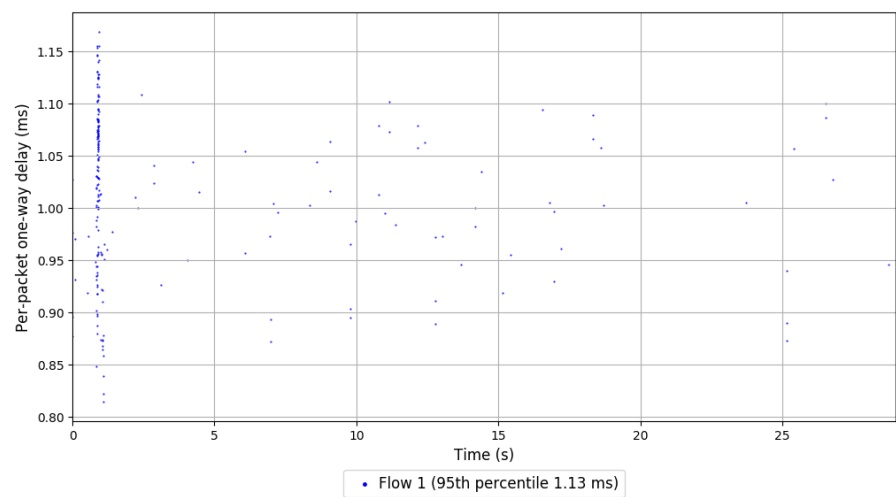
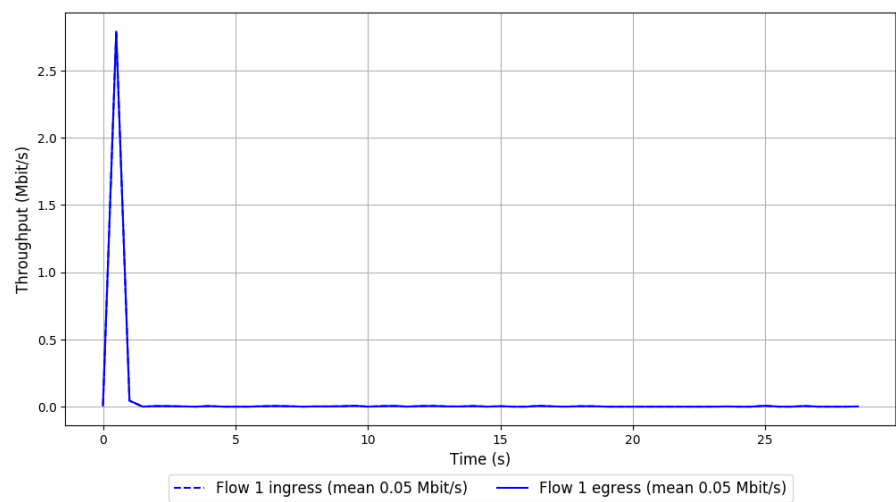


Run 7: Statistics of WebRTC media

Start at: 2017-08-21 19:55:55  
End at: 2017-08-21 19:56:25  
Local clock offset: 0.907 ms  
Remote clock offset: -2.574 ms

# Below is generated by plot.py at 2017-08-22 02:47:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 1.128 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 1.128 ms  
Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link

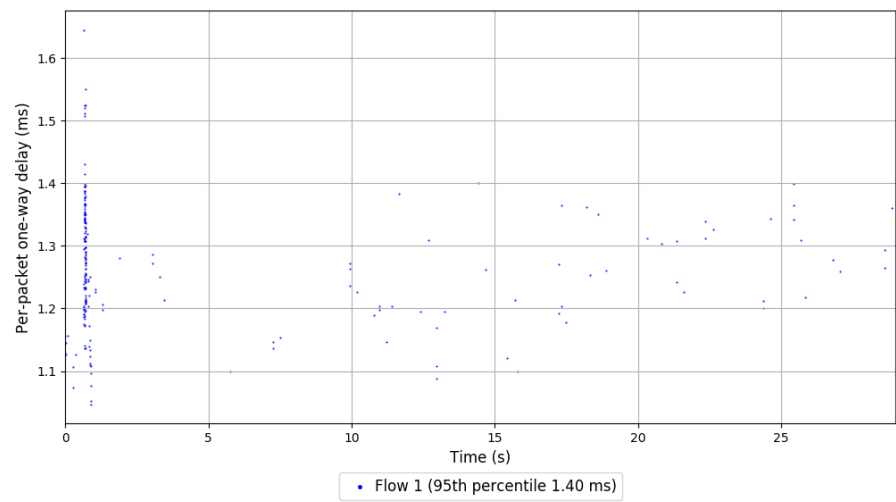
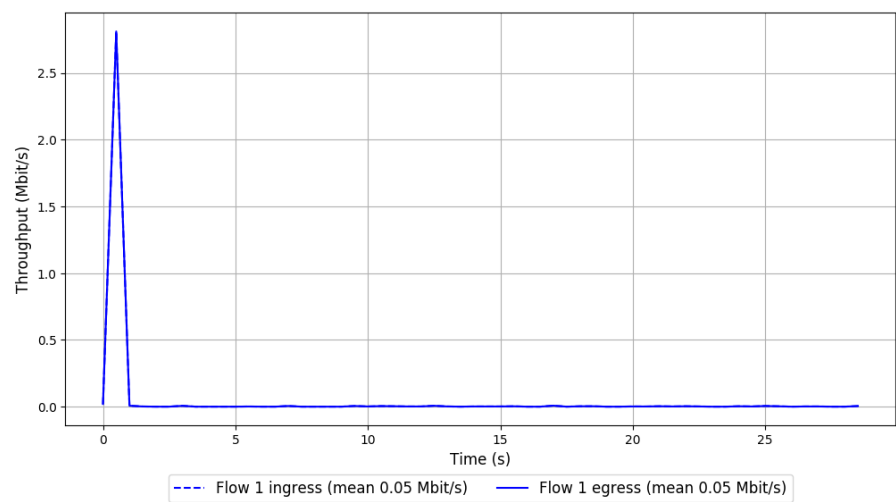


Run 8: Statistics of WebRTC media

Start at: 2017-08-21 20:16:30  
End at: 2017-08-21 20:17:00  
Local clock offset: 0.712 ms  
Remote clock offset: -2.471 ms

# Below is generated by plot.py at 2017-08-22 02:47:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 1.399 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 1.399 ms  
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



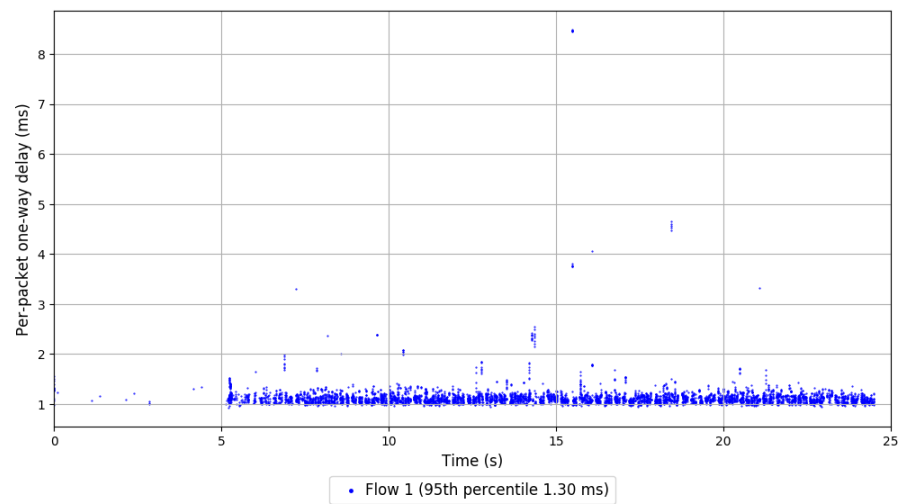
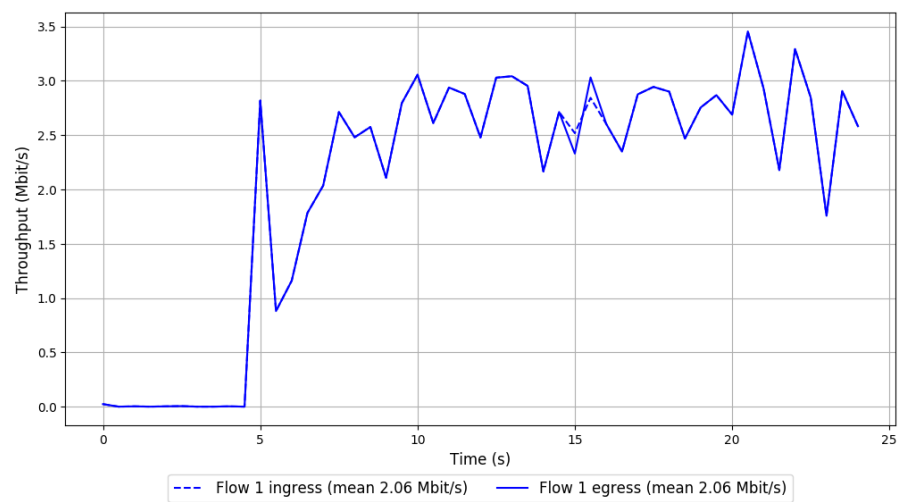
Run 9: Statistics of WebRTC media

Start at: 2017-08-21 20:37:28  
End at: 2017-08-21 20:37:58  
Local clock offset: 0.468 ms  
Remote clock offset: -2.026 ms

# Below is generated by plot.py at 2017-08-22 02:47:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.06 Mbit/s  
95th percentile per-packet one-way delay: 1.299 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.06 Mbit/s  
95th percentile per-packet one-way delay: 1.299 ms  
Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

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

End at: 2017-08-21 20:58:50

Local clock offset: 0.564 ms

Remote clock offset: -1.845 ms

# Below is generated by plot.py at 2017-08-22 02:47:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 1.251 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 1.251 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

