

## Pantheon Report

Generated at 2017-08-22 02:43:50 (UTC).

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

Repeated the test of 15 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

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

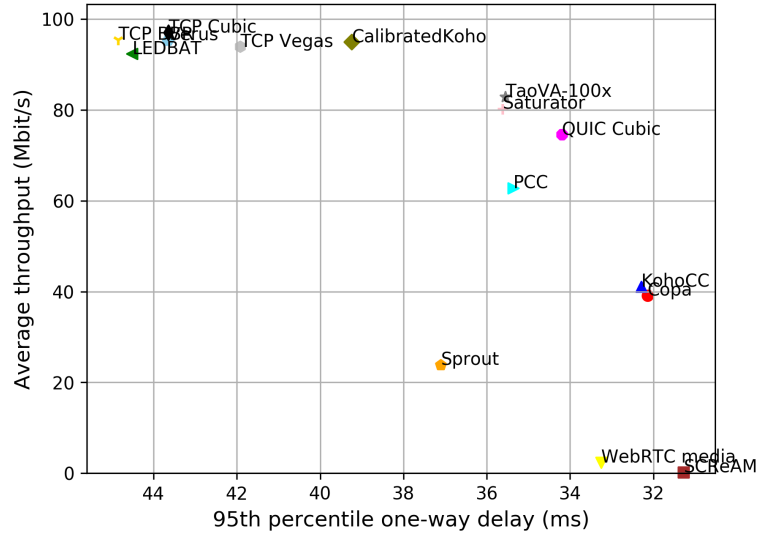
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

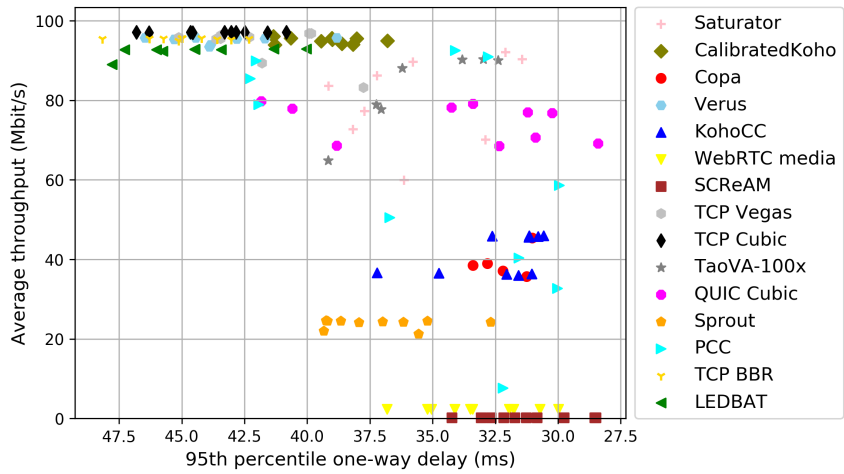
Git summary:

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

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



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



| scheme         | # runs | mean avg tput (Mbit/s)<br>flow 1 | mean 95th-%ile delay (ms)<br>flow 1 | mean loss rate (%)<br>flow 1 |
|----------------|--------|----------------------------------|-------------------------------------|------------------------------|
| TCP BBR        | 10     | 95.42                            | 44.85                               | 0.13                         |
| CalibratedKoho | 10     | 95.00                            | 39.24                               | 0.11                         |
| Copa           | 5      | 39.13                            | 32.14                               | 0.09                         |
| TCP Cubic      | 10     | 97.08                            | 43.64                               | 0.13                         |
| KohoCC         | 10     | 41.10                            | 32.30                               | 0.09                         |
| LEDBAT         | 9      | 92.34                            | 44.51                               | 0.13                         |
| PCC            | 10     | 62.77                            | 35.36                               | 0.12                         |
| QUIC Cubic     | 10     | 74.58                            | 34.20                               | 0.09                         |
| Saturator      | 9      | 80.21                            | 35.62                               | 0.10                         |
| SCReAM         | 10     | 0.21                             | 31.28                               | 0.12                         |
| Sprout         | 10     | 23.85                            | 37.10                               | 0.10                         |
| TaoVA-100x     | 7      | 82.89                            | 35.55                               | 0.10                         |
| TCP Vegas      | 9      | 93.93                            | 41.92                               | 0.09                         |
| Verus          | 10     | 95.40                            | 43.65                               | 0.13                         |
| WebRTC media   | 10     | 2.37                             | 33.25                               | 0.08                         |

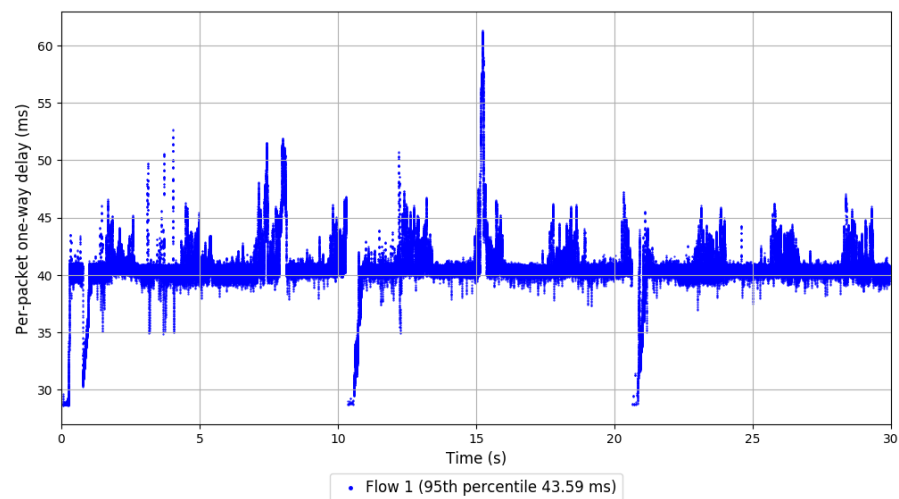
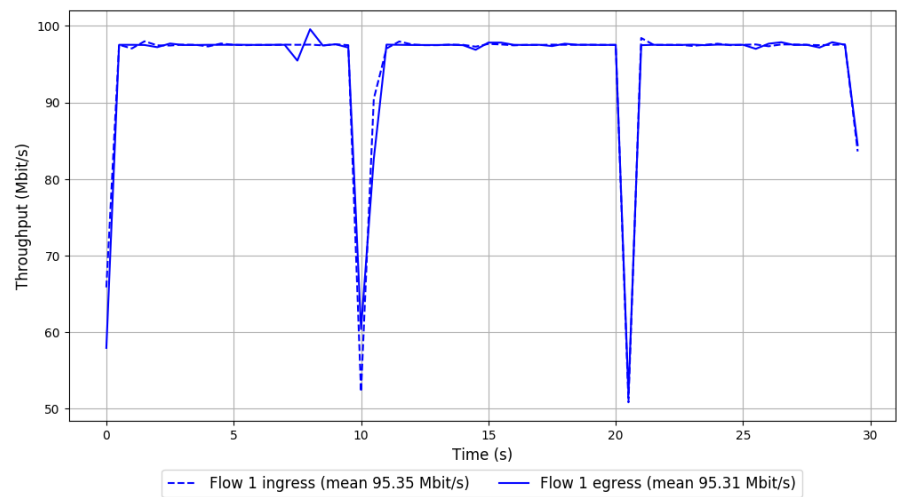
Run 1: Statistics of TCP BBR

Start at: 2017-08-21 18:09:07  
End at: 2017-08-21 18:09:37  
Local clock offset: -3.99 ms  
Remote clock offset: -12.218 ms

# Below is generated by plot.py at 2017-08-22 02:32:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.31 Mbit/s  
95th percentile per-packet one-way delay: 43.587 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 95.31 Mbit/s  
95th percentile per-packet one-way delay: 43.587 ms  
Loss rate: 0.12%



Run 1: Report of TCP BBR — Data Link

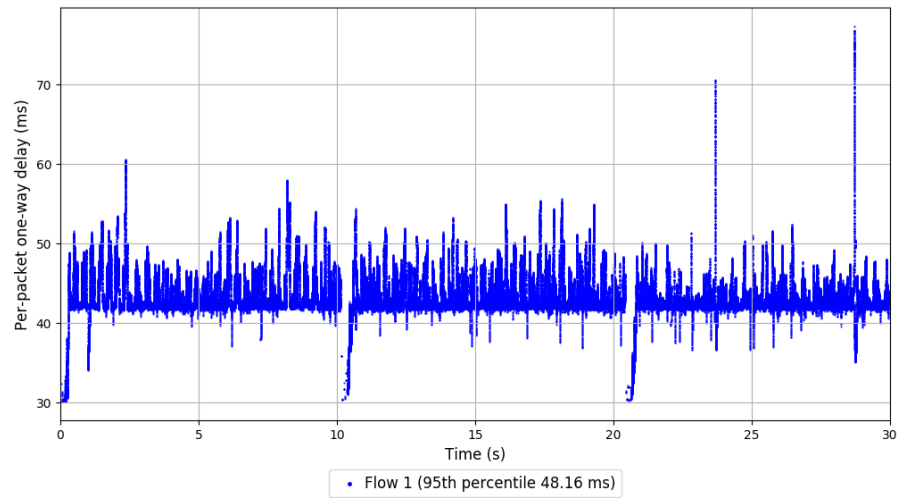
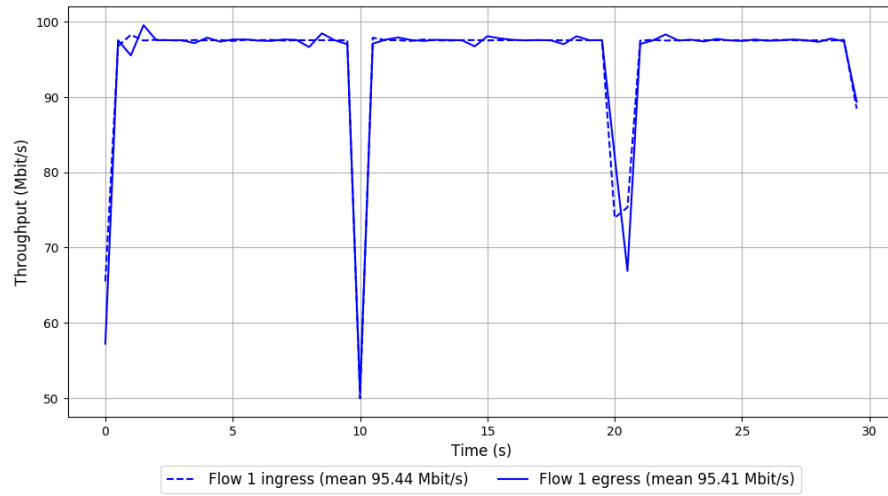


Run 2: Statistics of TCP BBR

Start at: 2017-08-21 18:32:50  
End at: 2017-08-21 18:33:20  
Local clock offset: -4.857 ms  
Remote clock offset: -15.939 ms

# Below is generated by plot.py at 2017-08-22 02:32:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.41 Mbit/s  
95th percentile per-packet one-way delay: 48.162 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 95.41 Mbit/s  
95th percentile per-packet one-way delay: 48.162 ms  
Loss rate: 0.13%

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

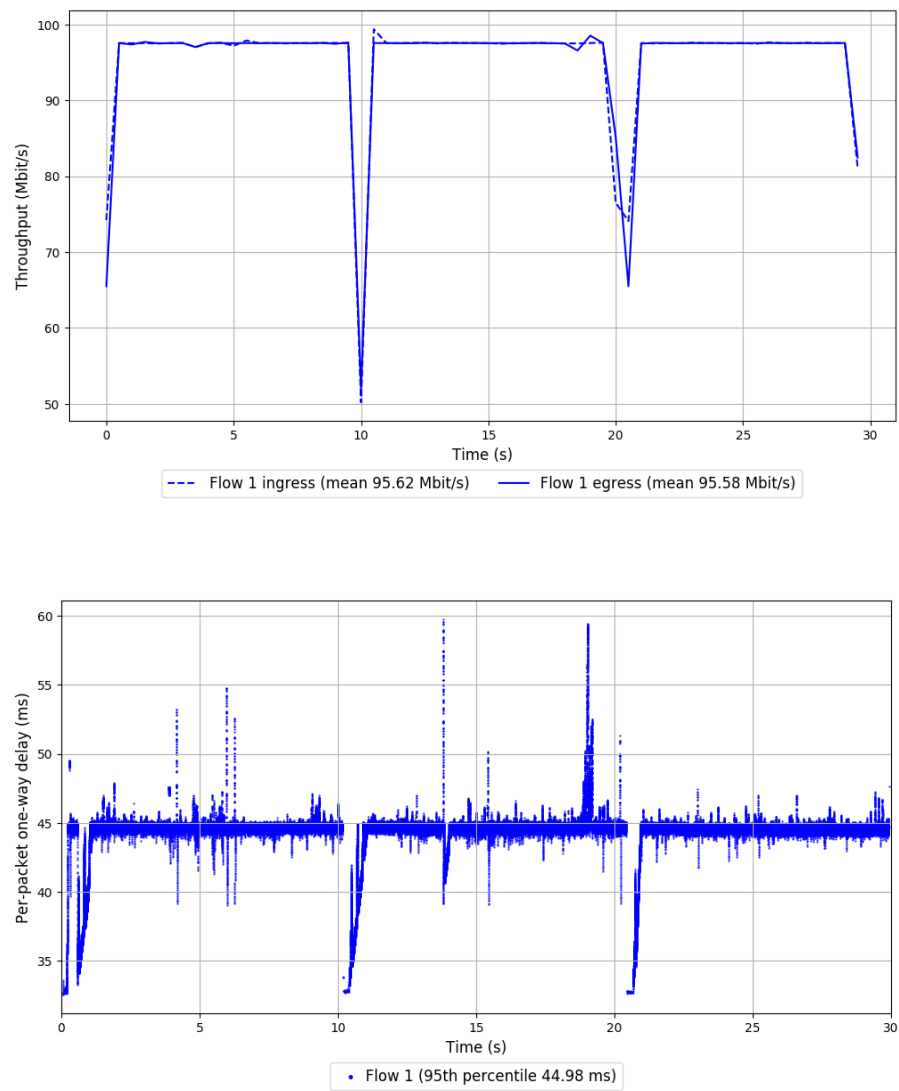


Run 3: Statistics of TCP BBR

Start at: 2017-08-21 19:06:17  
End at: 2017-08-21 19:06:47  
Local clock offset: 0.693 ms  
Remote clock offset: -13.001 ms

# Below is generated by plot.py at 2017-08-22 02:32:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.58 Mbit/s  
95th percentile per-packet one-way delay: 44.984 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 95.58 Mbit/s  
95th percentile per-packet one-way delay: 44.984 ms  
Loss rate: 0.13%

Run 3: Report of TCP BBR — Data Link

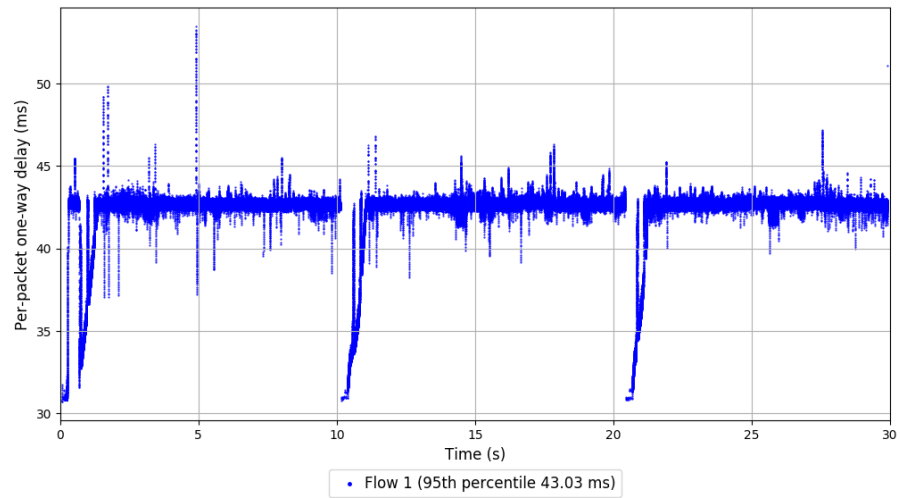
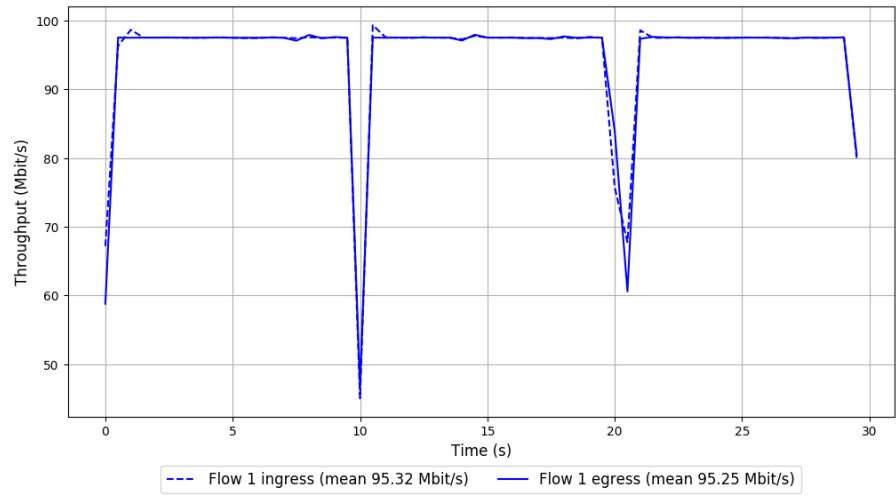


Run 4: Statistics of TCP BBR

Start at: 2017-08-21 19:24:59  
End at: 2017-08-21 19:25:29  
Local clock offset: 0.303 ms  
Remote clock offset: -13.019 ms

# Below is generated by plot.py at 2017-08-22 02:32:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.25 Mbit/s  
95th percentile per-packet one-way delay: 43.032 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 95.25 Mbit/s  
95th percentile per-packet one-way delay: 43.032 ms  
Loss rate: 0.14%

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



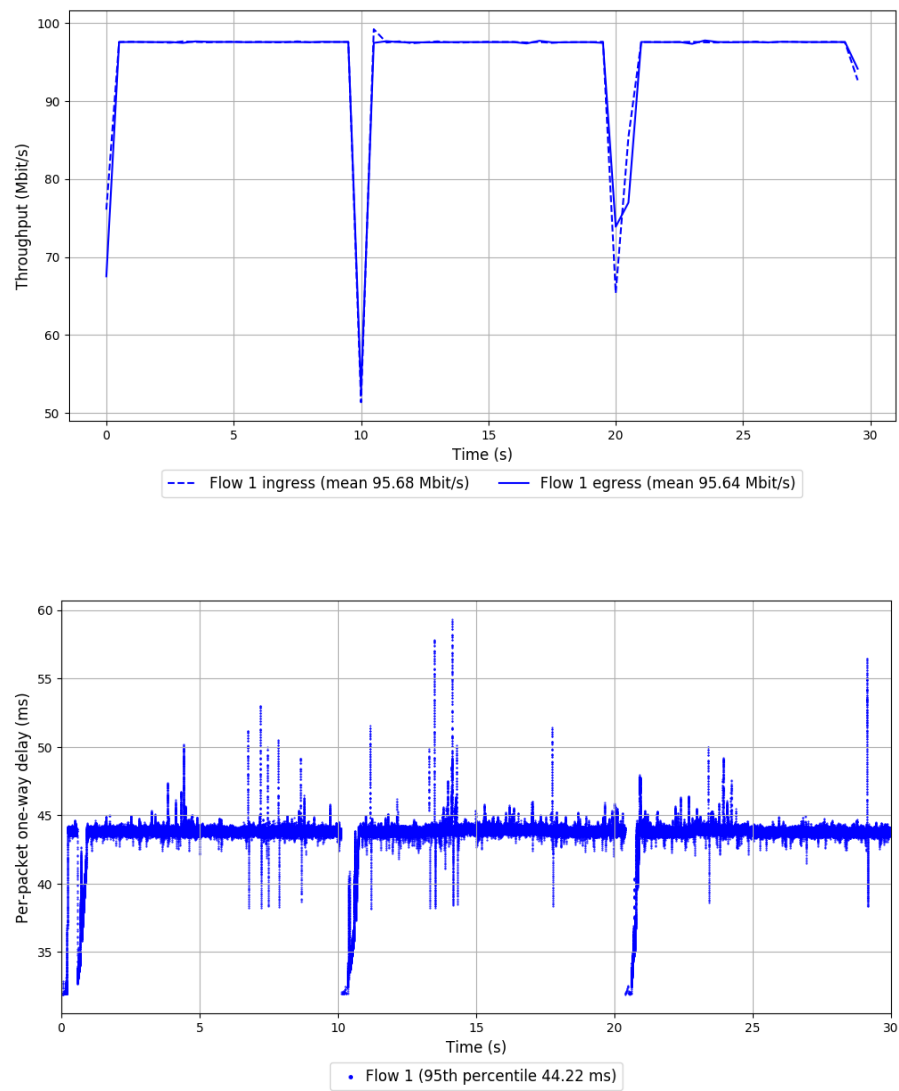
Run 5: Statistics of TCP BBR

Start at: 2017-08-21 19:42:53  
End at: 2017-08-21 19:43:23  
Local clock offset: 2.505 ms  
Remote clock offset: -13.579 ms

# Below is generated by plot.py at 2017-08-22 02:32:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.64 Mbit/s  
95th percentile per-packet one-way delay: 44.219 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 95.64 Mbit/s  
95th percentile per-packet one-way delay: 44.219 ms  
Loss rate: 0.12%



Run 5: Report of TCP BBR — Data Link

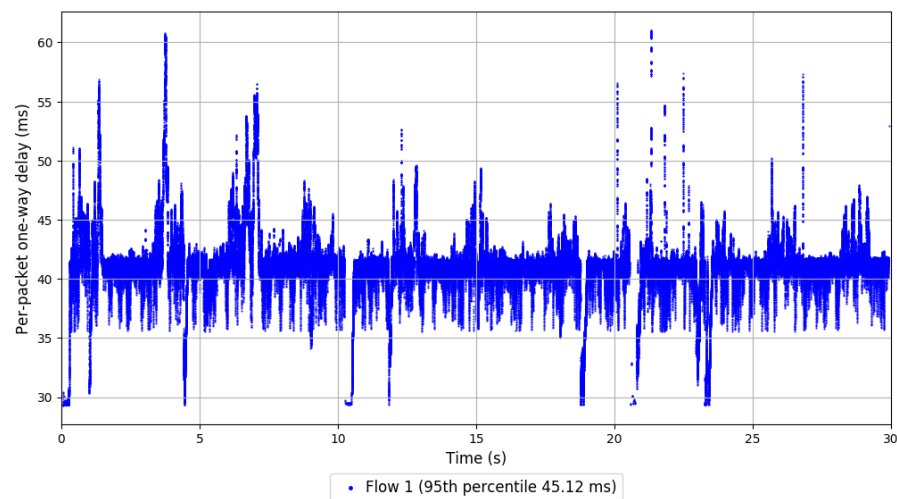
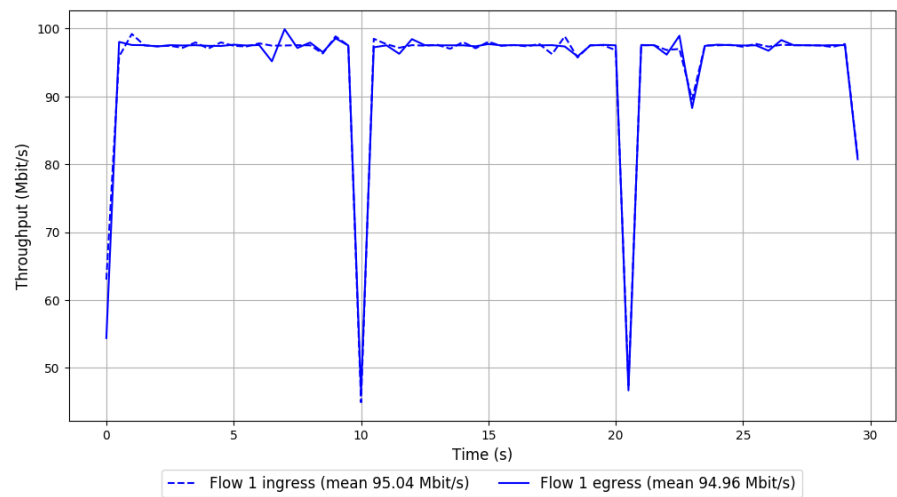


Run 6: Statistics of TCP BBR

Start at: 2017-08-21 20:01:07  
End at: 2017-08-21 20:01:37  
Local clock offset: 0.899 ms  
Remote clock offset: -14.301 ms

# Below is generated by plot.py at 2017-08-22 02:32:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.96 Mbit/s  
95th percentile per-packet one-way delay: 45.121 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 94.96 Mbit/s  
95th percentile per-packet one-way delay: 45.121 ms  
Loss rate: 0.15%

Run 6: Report of TCP BBR — Data Link

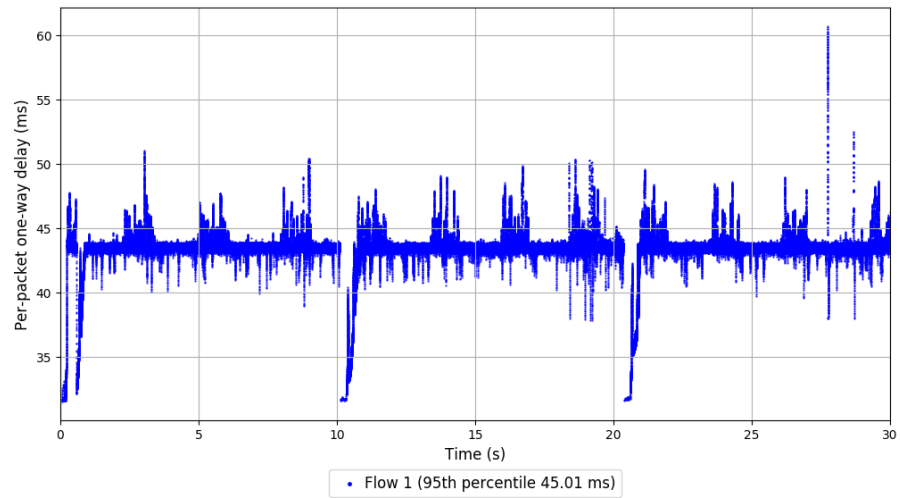
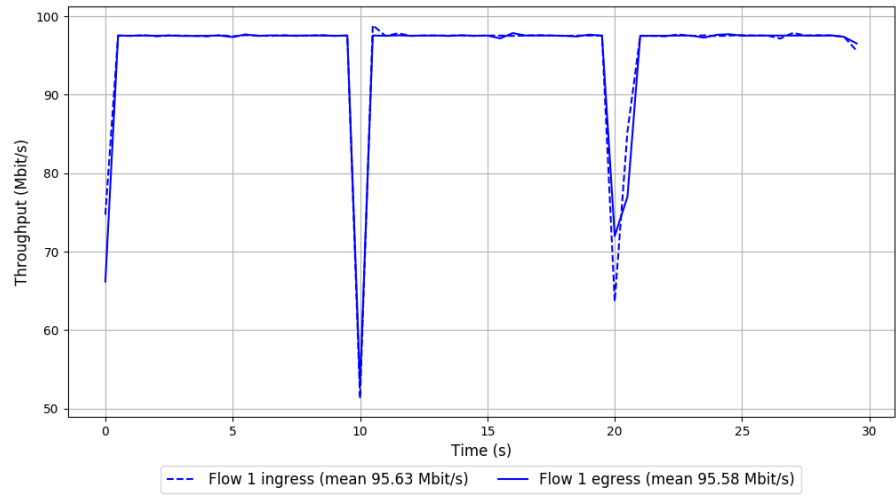


Run 7: Statistics of TCP BBR

Start at: 2017-08-21 20:21:41  
End at: 2017-08-21 20:22:11  
Local clock offset: 3.919 ms  
Remote clock offset: -13.773 ms

# Below is generated by plot.py at 2017-08-22 02:32:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.58 Mbit/s  
95th percentile per-packet one-way delay: 45.008 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 95.58 Mbit/s  
95th percentile per-packet one-way delay: 45.008 ms  
Loss rate: 0.13%

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

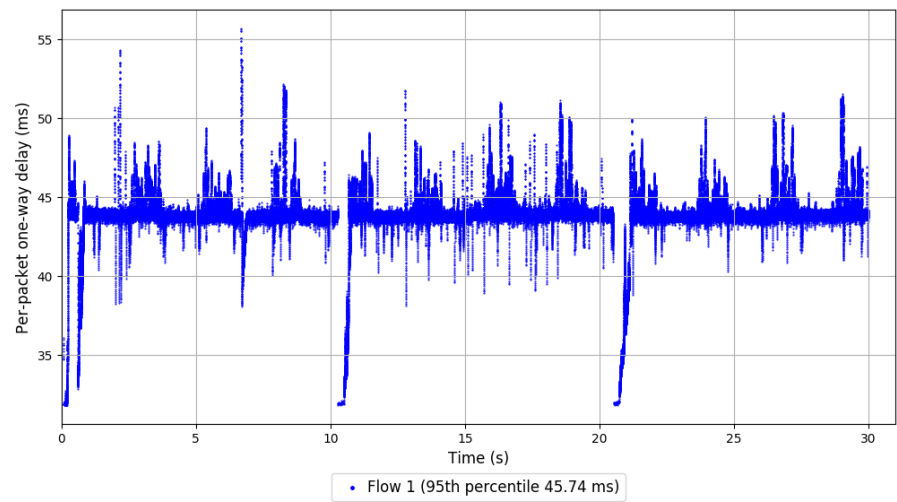
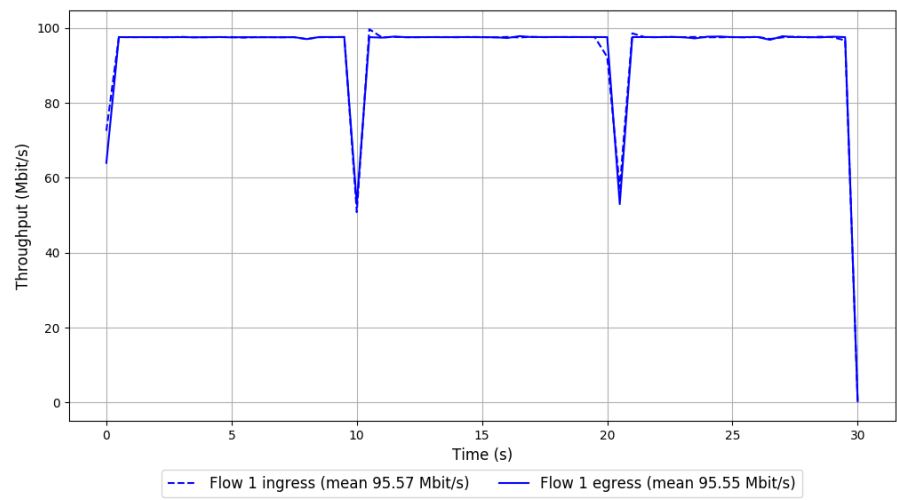


Run 8: Statistics of TCP BBR

Start at: 2017-08-21 20:41:58  
End at: 2017-08-21 20:42:28  
Local clock offset: 4.743 ms  
Remote clock offset: -13.139 ms

# Below is generated by plot.py at 2017-08-22 02:32:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.55 Mbit/s  
95th percentile per-packet one-way delay: 45.739 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 95.55 Mbit/s  
95th percentile per-packet one-way delay: 45.739 ms  
Loss rate: 0.13%

Run 8: Report of TCP BBR — Data Link



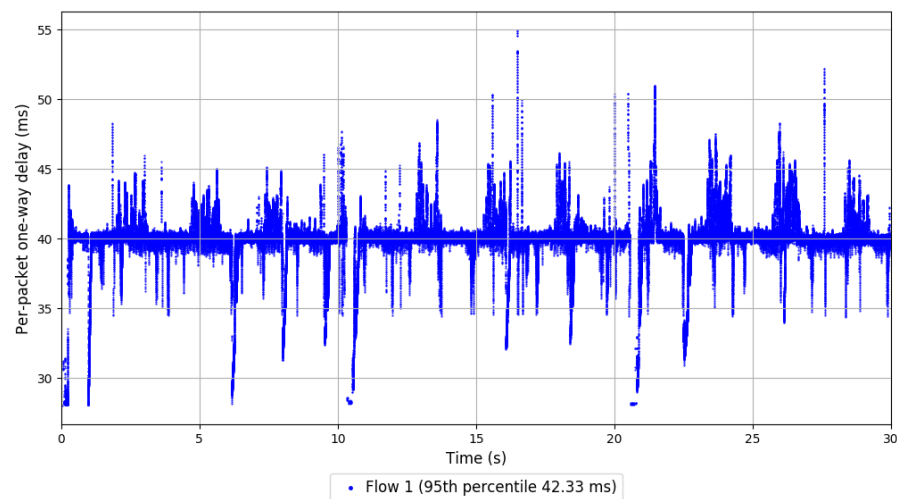
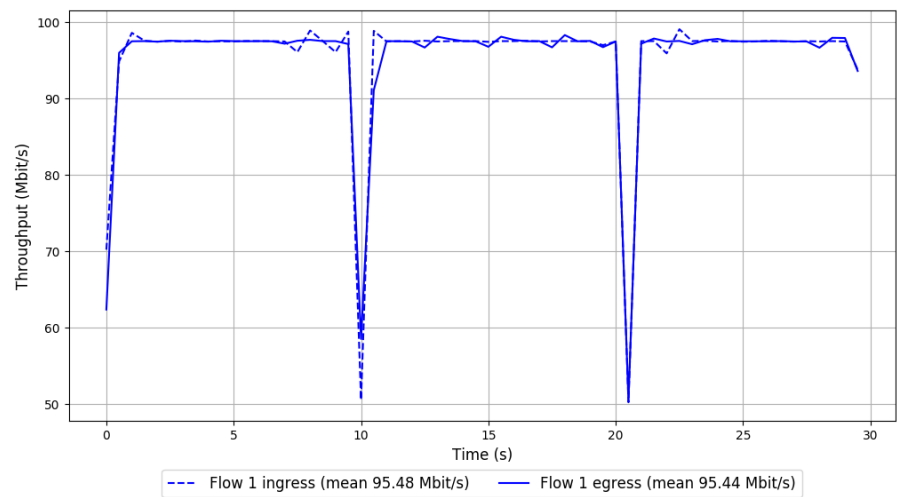
Run 9: Statistics of TCP BBR

Start at: 2017-08-21 21:01:50  
End at: 2017-08-21 21:02:20  
Local clock offset: 2.401 ms  
Remote clock offset: -11.603 ms

# Below is generated by plot.py at 2017-08-22 02:33:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.44 Mbit/s  
95th percentile per-packet one-way delay: 42.331 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 95.44 Mbit/s  
95th percentile per-packet one-way delay: 42.331 ms  
Loss rate: 0.14%



Run 9: Report of TCP BBR — Data Link

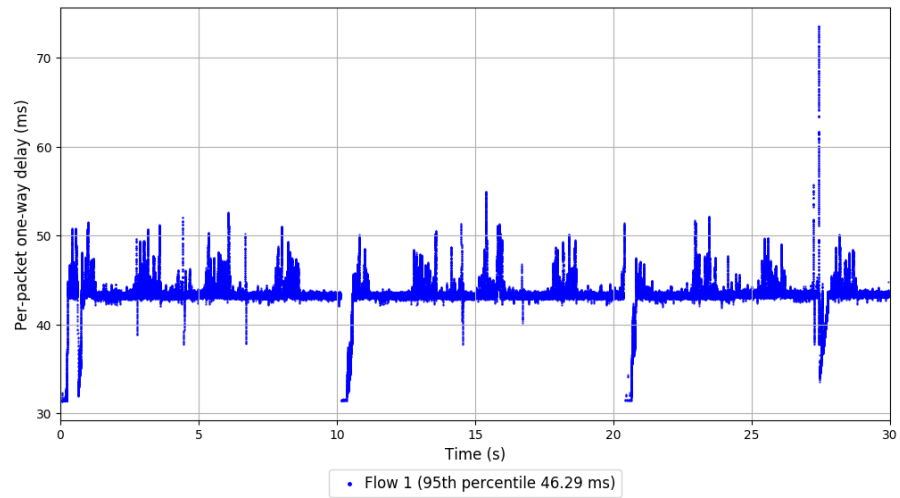
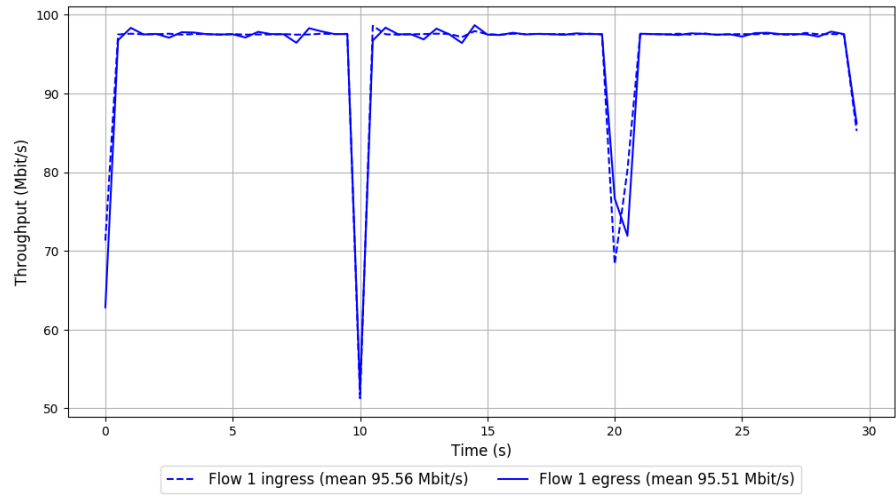


Run 10: Statistics of TCP BBR

Start at: 2017-08-21 21:22:15  
End at: 2017-08-21 21:22:45  
Local clock offset: 5.77 ms  
Remote clock offset: -11.531 ms

# Below is generated by plot.py at 2017-08-22 02:33:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.51 Mbit/s  
95th percentile per-packet one-way delay: 46.291 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 95.51 Mbit/s  
95th percentile per-packet one-way delay: 46.291 ms  
Loss rate: 0.13%

# Run 10: Report of TCP BBR — Data Link

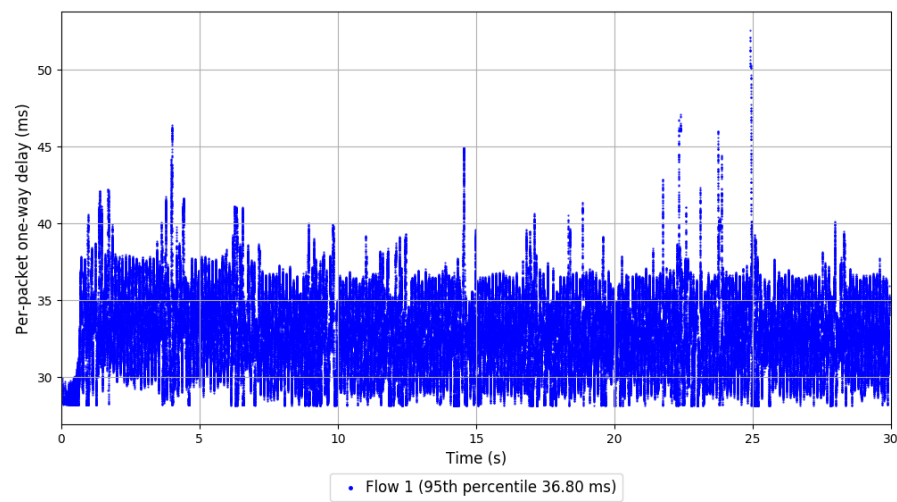
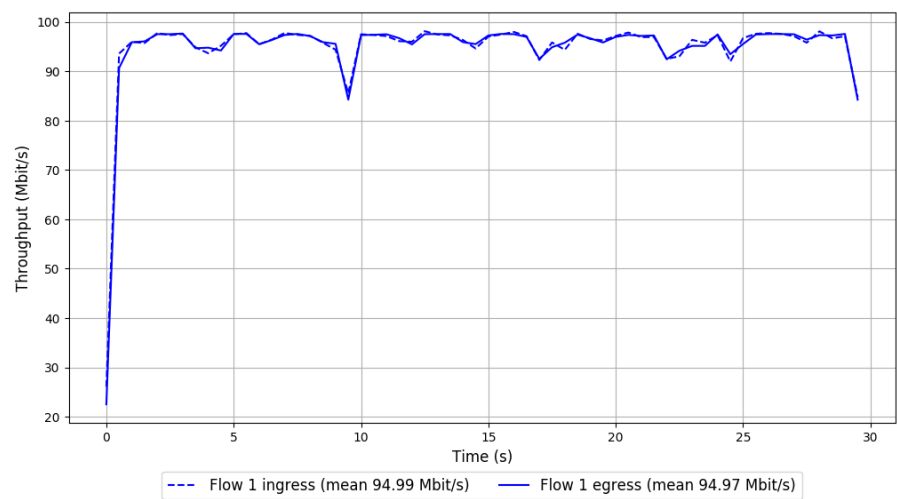


Run 1: Statistics of CalibratedKoho

Start at: 2017-08-21 18:01:09  
End at: 2017-08-21 18:01:39  
Local clock offset: -6.781 ms  
Remote clock offset: -14.006 ms

# Below is generated by plot.py at 2017-08-22 02:33:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.97 Mbit/s  
95th percentile per-packet one-way delay: 36.800 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 94.97 Mbit/s  
95th percentile per-packet one-way delay: 36.800 ms  
Loss rate: 0.11%

Run 1: Report of CalibratedKoho — Data Link

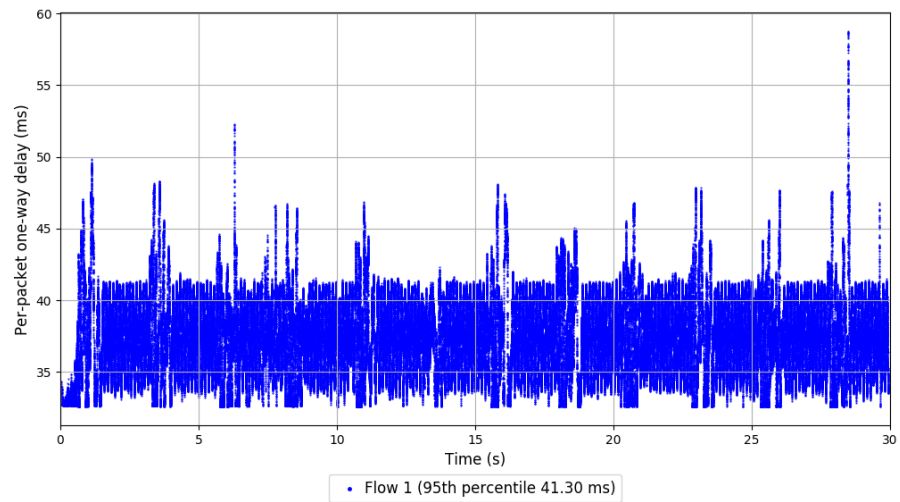
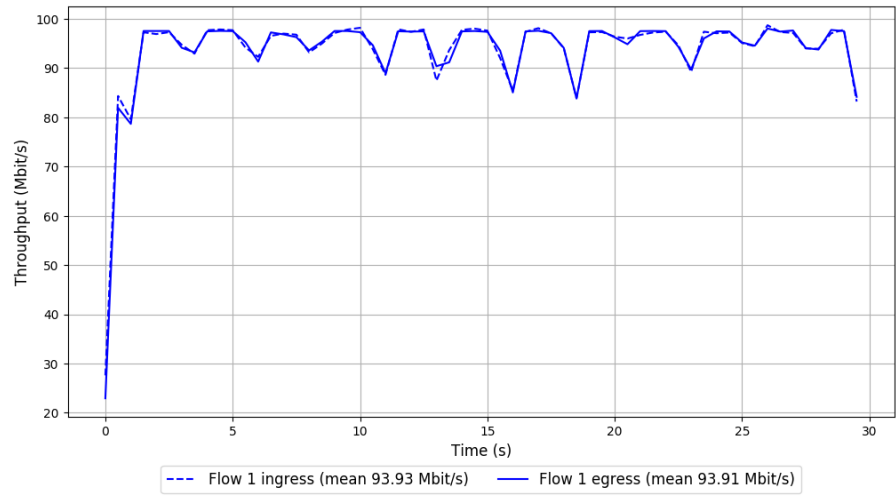


Run 2: Statistics of CalibratedKoho

Start at: 2017-08-21 18:21:53  
End at: 2017-08-21 18:22:23  
Local clock offset: -1.114 ms  
Remote clock offset: -14.086 ms

# Below is generated by plot.py at 2017-08-22 02:33:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.91 Mbit/s  
95th percentile per-packet one-way delay: 41.296 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 93.91 Mbit/s  
95th percentile per-packet one-way delay: 41.296 ms  
Loss rate: 0.11%

## Run 2: Report of CalibratedKoho — Data Link



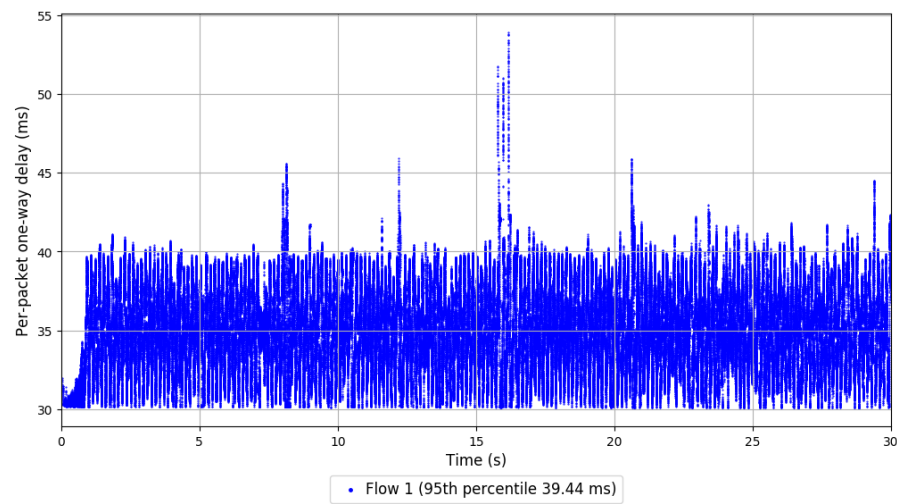
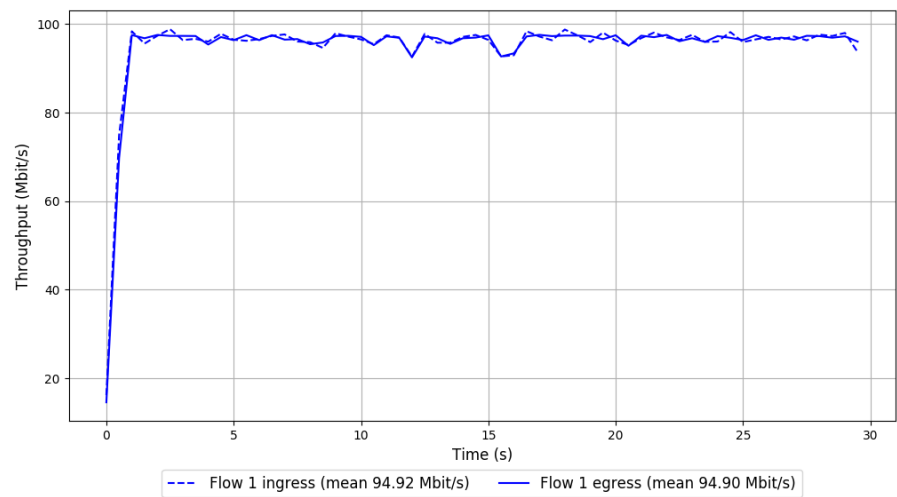
Run 3: Statistics of CalibratedKoho

Start at: 2017-08-21 18:58:19  
End at: 2017-08-21 18:58:49  
Local clock offset: -2.091 ms  
Remote clock offset: -12.667 ms

# Below is generated by plot.py at 2017-08-22 02:33:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.90 Mbit/s  
95th percentile per-packet one-way delay: 39.441 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 94.90 Mbit/s  
95th percentile per-packet one-way delay: 39.441 ms  
Loss rate: 0.09%



Run 3: Report of CalibratedKoho — Data Link

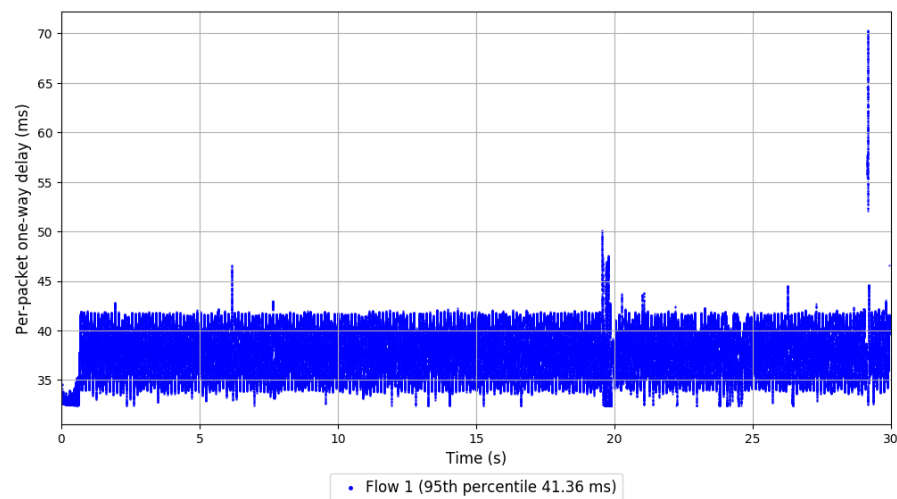
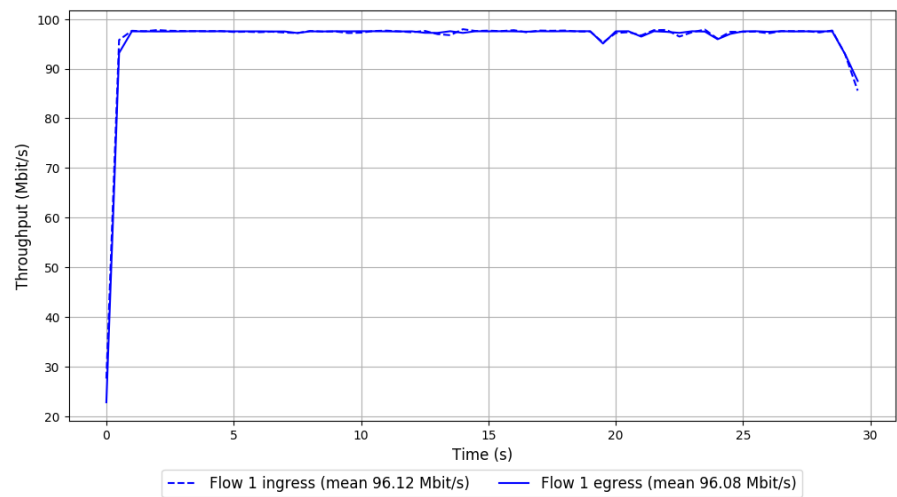


Run 4: Statistics of CalibratedKoho

Start at: 2017-08-21 19:17:40  
End at: 2017-08-21 19:18:10  
Local clock offset: 0.236 ms  
Remote clock offset: -14.146 ms

# Below is generated by plot.py at 2017-08-22 02:33:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.08 Mbit/s  
95th percentile per-packet one-way delay: 41.357 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 96.08 Mbit/s  
95th percentile per-packet one-way delay: 41.357 ms  
Loss rate: 0.10%

Run 4: Report of CalibratedKoho — Data Link

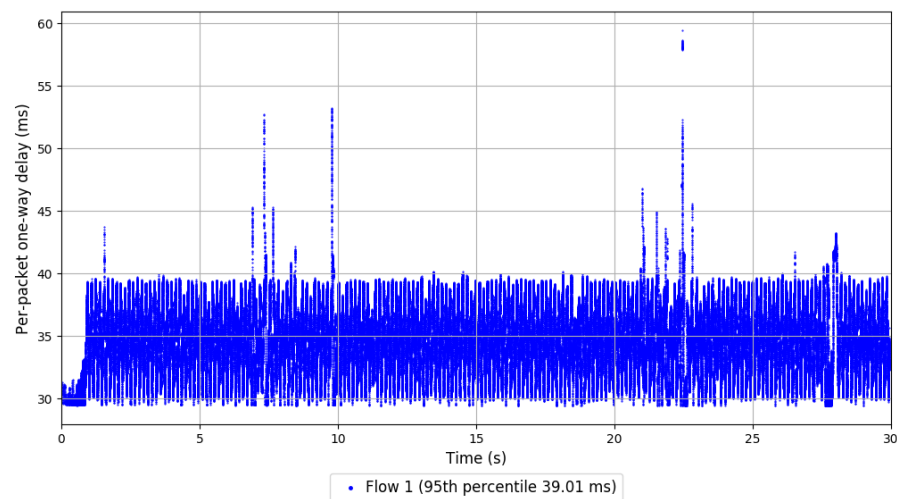
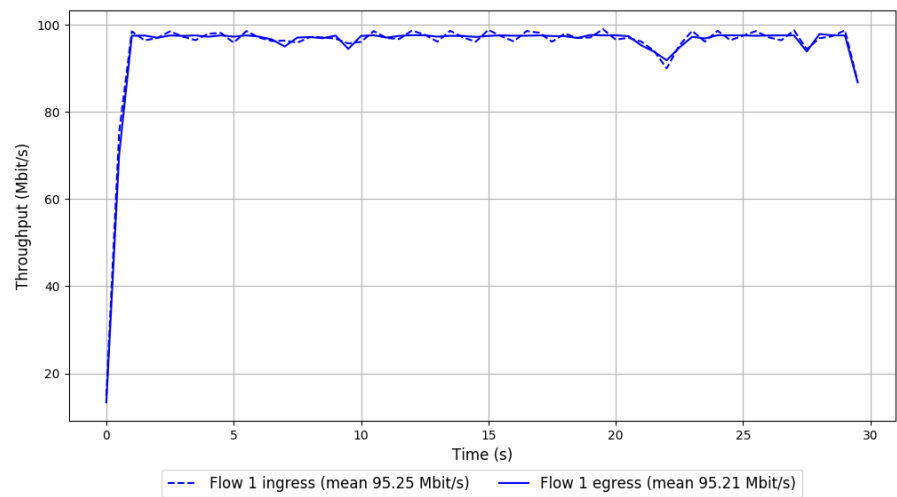


Run 5: Statistics of CalibratedKoho

Start at: 2017-08-21 19:35:39  
End at: 2017-08-21 19:36:09  
Local clock offset: -1.186 ms  
Remote clock offset: -14.403 ms

# Below is generated by plot.py at 2017-08-22 02:33:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.21 Mbit/s  
95th percentile per-packet one-way delay: 39.005 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 95.21 Mbit/s  
95th percentile per-packet one-way delay: 39.005 ms  
Loss rate: 0.14%

Run 5: Report of CalibratedKoho — Data Link

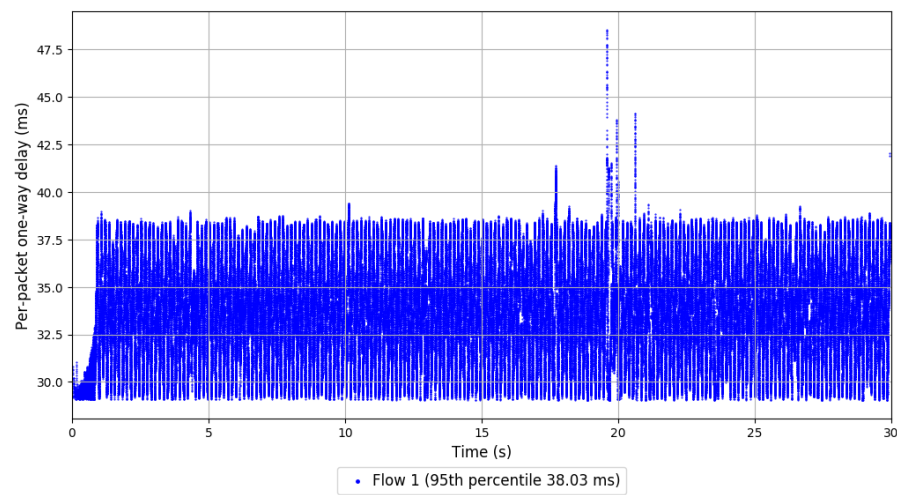
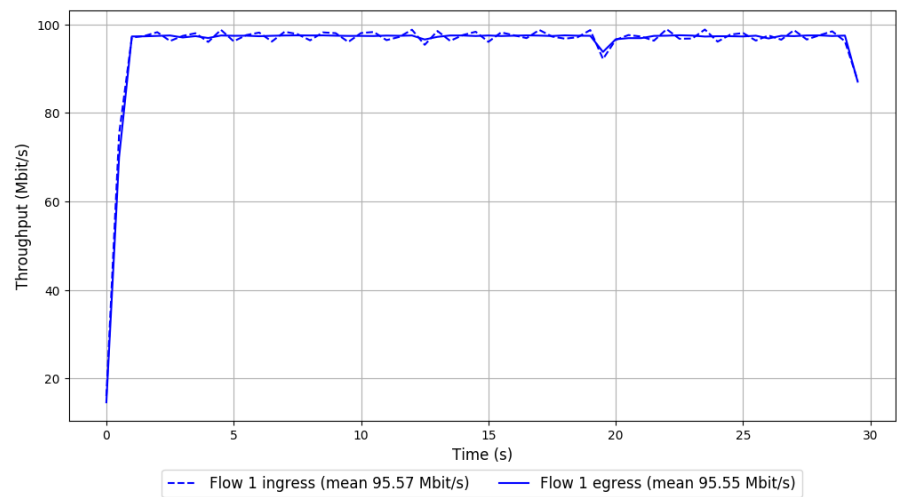


Run 6: Statistics of CalibratedKoho

Start at: 2017-08-21 19:53:40  
End at: 2017-08-21 19:54:10  
Local clock offset: 2.461 ms  
Remote clock offset: -11.884 ms

# Below is generated by plot.py at 2017-08-22 02:33:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.55 Mbit/s  
95th percentile per-packet one-way delay: 38.029 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 95.55 Mbit/s  
95th percentile per-packet one-way delay: 38.029 ms  
Loss rate: 0.11%

Run 6: Report of CalibratedKoho — Data Link



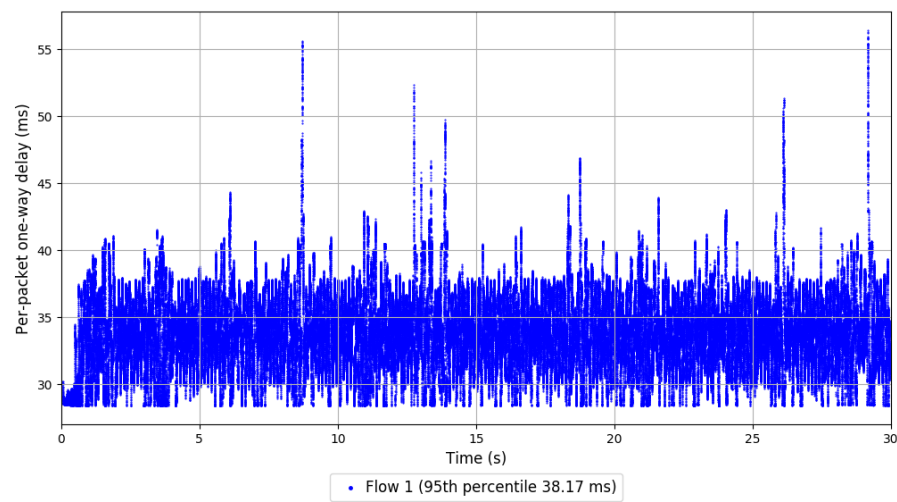
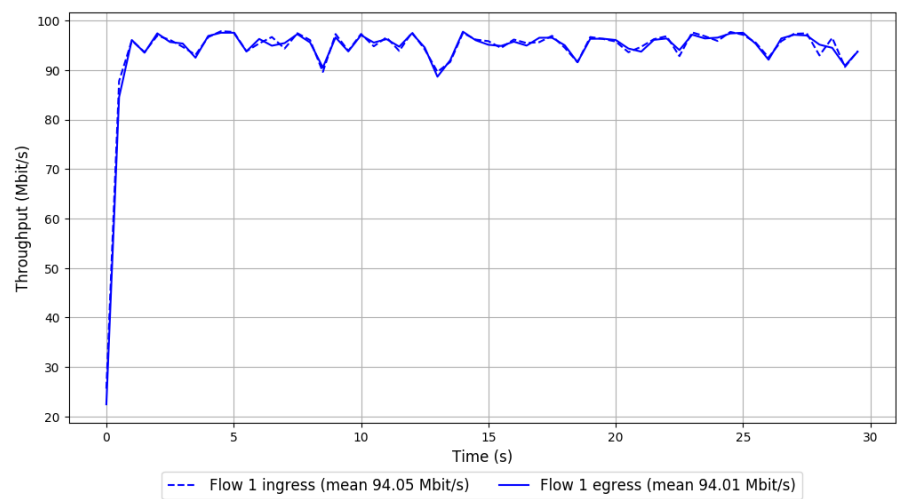
Run 7: Statistics of CalibratedKoho

Start at: 2017-08-21 20:13:33  
End at: 2017-08-21 20:14:03  
Local clock offset: 2.211 ms  
Remote clock offset: -12.159 ms

# Below is generated by plot.py at 2017-08-22 02:33:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.01 Mbit/s  
95th percentile per-packet one-way delay: 38.172 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 94.01 Mbit/s  
95th percentile per-packet one-way delay: 38.172 ms  
Loss rate: 0.12%



Run 7: Report of CalibratedKoho — Data Link

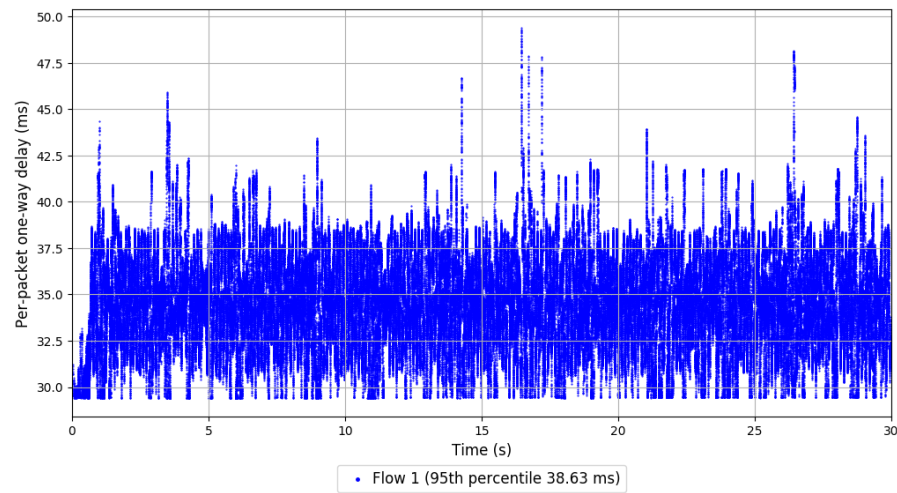
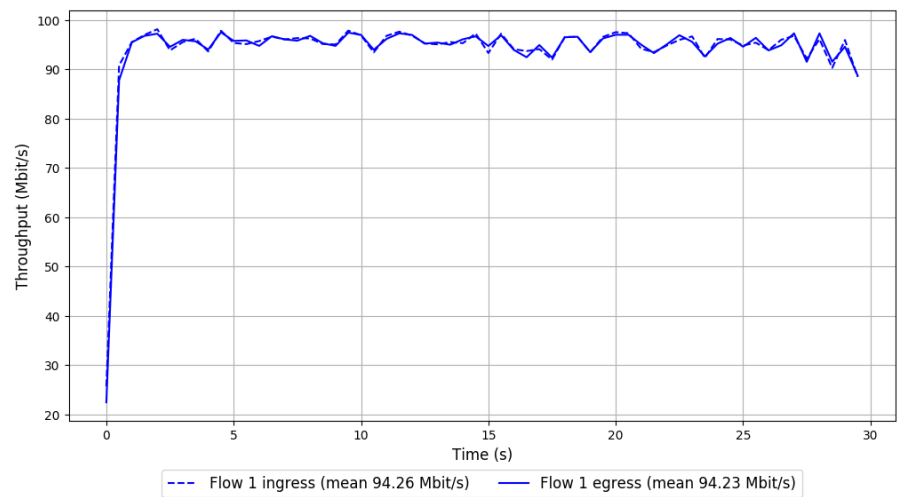


Run 8: Statistics of CalibratedKoho

Start at: 2017-08-21 20:34:00  
End at: 2017-08-21 20:34:31  
Local clock offset: 4.693 ms  
Remote clock offset: -11.455 ms

# Below is generated by plot.py at 2017-08-22 02:33:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.23 Mbit/s  
95th percentile per-packet one-way delay: 38.626 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 94.23 Mbit/s  
95th percentile per-packet one-way delay: 38.626 ms  
Loss rate: 0.11%

Run 8: Report of CalibratedKoho — Data Link

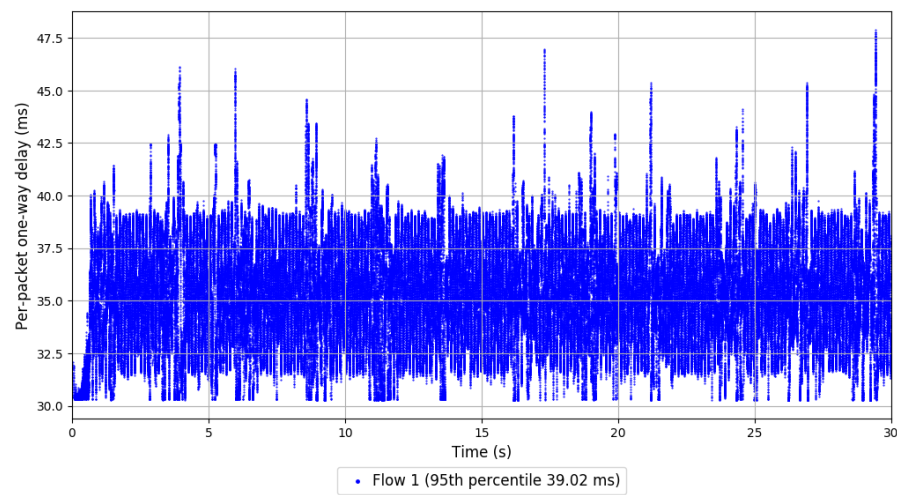
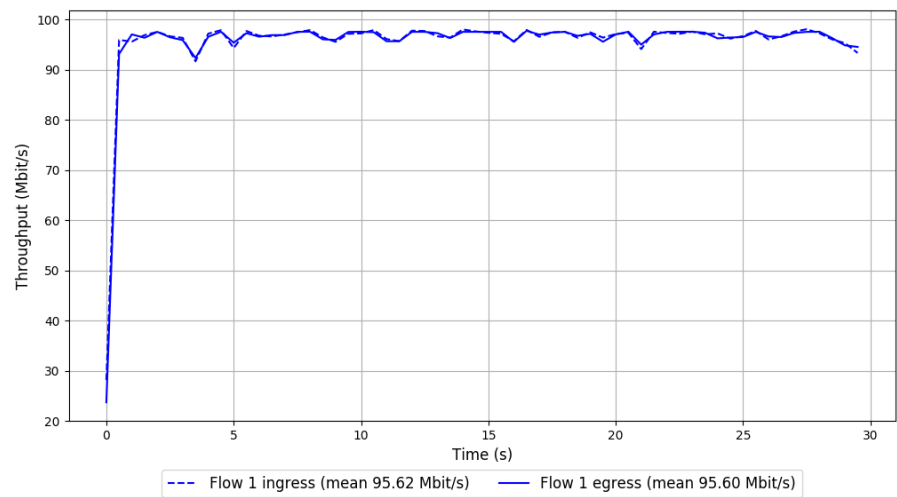


Run 9: Statistics of CalibratedKoho

Start at: 2017-08-21 20:54:10  
End at: 2017-08-21 20:54:40  
Local clock offset: 3.39 ms  
Remote clock offset: -12.493 ms

# Below is generated by plot.py at 2017-08-22 02:34:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.60 Mbit/s  
95th percentile per-packet one-way delay: 39.020 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 95.60 Mbit/s  
95th percentile per-packet one-way delay: 39.020 ms  
Loss rate: 0.11%

Run 9: Report of CalibratedKoho — Data Link

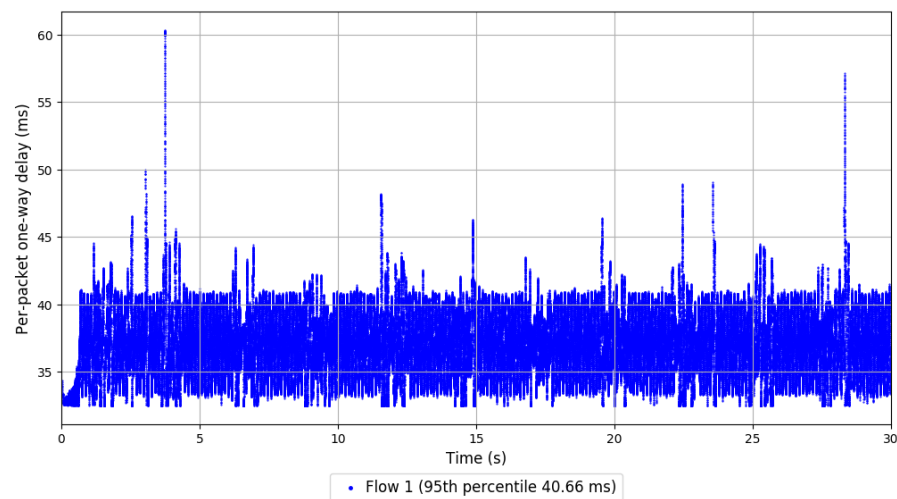
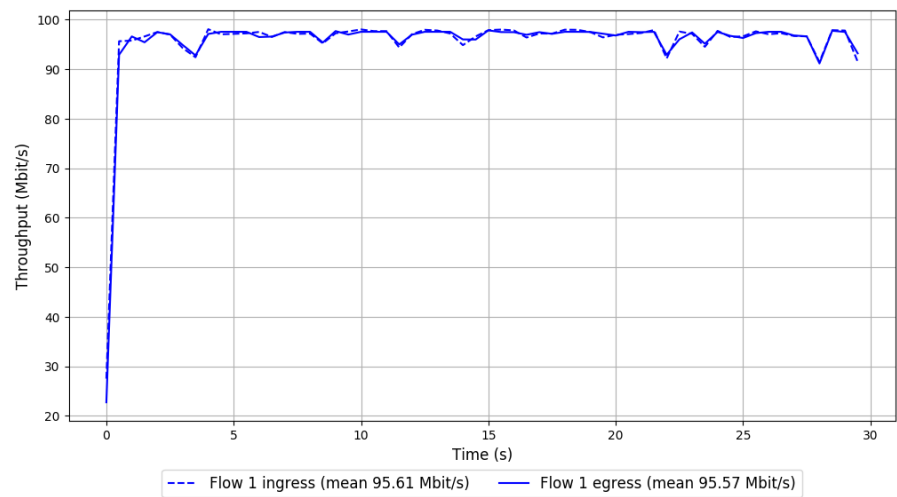


Run 10: Statistics of CalibratedKoho

Start at: 2017-08-21 21:14:07  
End at: 2017-08-21 21:14:37  
Local clock offset: 6.453 ms  
Remote clock offset: -12.178 ms

# Below is generated by plot.py at 2017-08-22 02:34:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.57 Mbit/s  
95th percentile per-packet one-way delay: 40.662 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 95.57 Mbit/s  
95th percentile per-packet one-way delay: 40.662 ms  
Loss rate: 0.10%

Run 10: Report of CalibratedKoho — Data Link



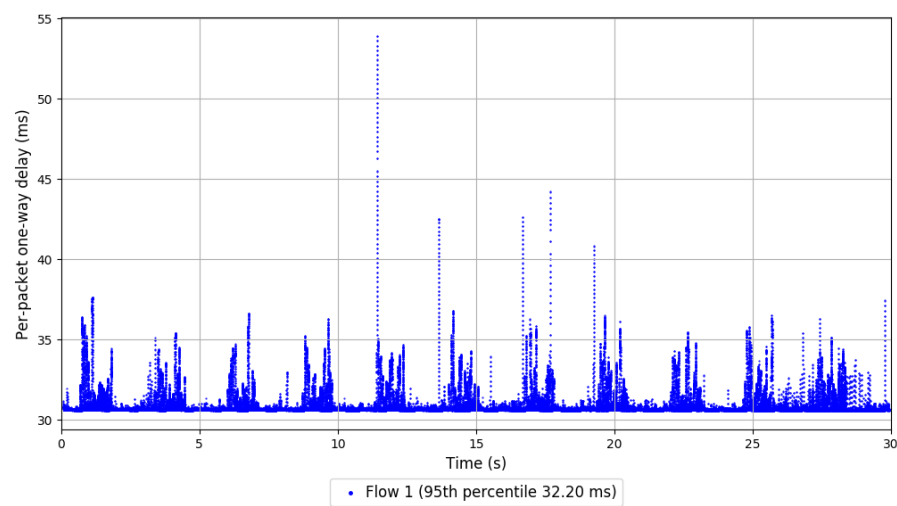
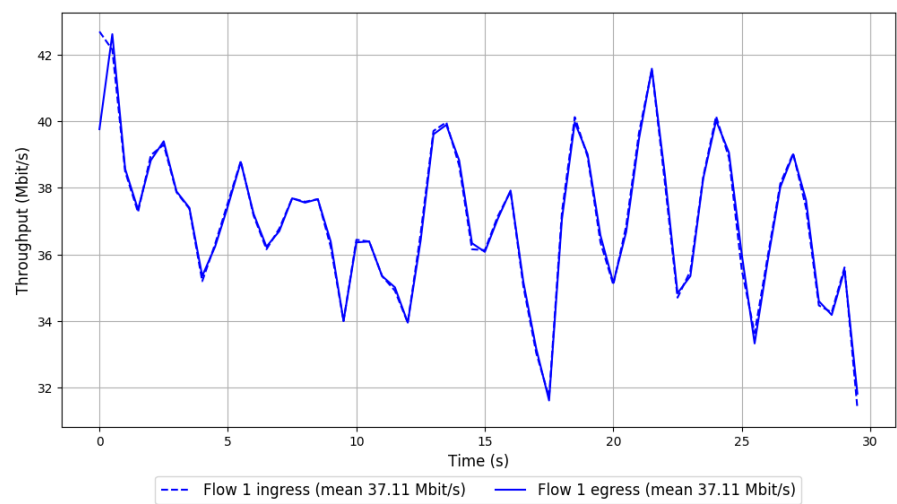
Run 1: Statistics of Copa

Start at: 2017-08-21 18:07:41  
End at: 2017-08-21 18:08:11  
Local clock offset: -5.179 ms  
Remote clock offset: -15.285 ms

# Below is generated by plot.py at 2017-08-22 02:34:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 37.11 Mbit/s  
95th percentile per-packet one-way delay: 32.195 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 37.11 Mbit/s  
95th percentile per-packet one-way delay: 32.195 ms  
Loss rate: 0.08%



Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

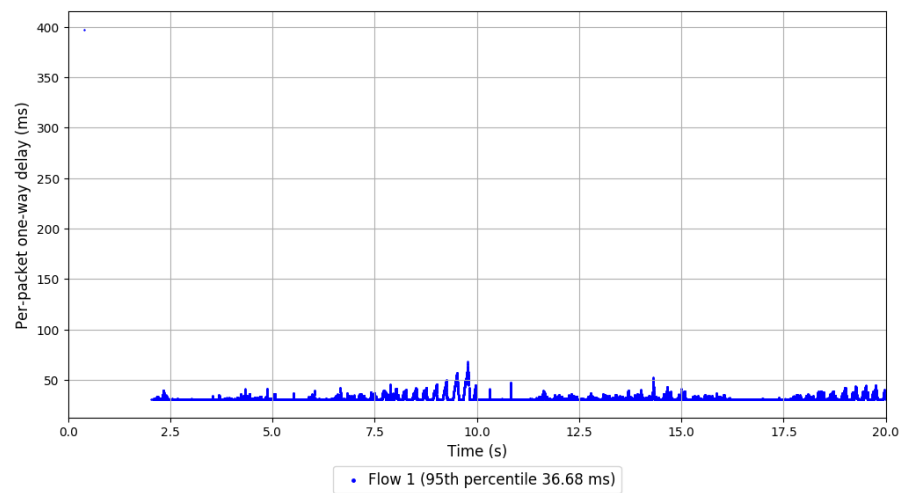
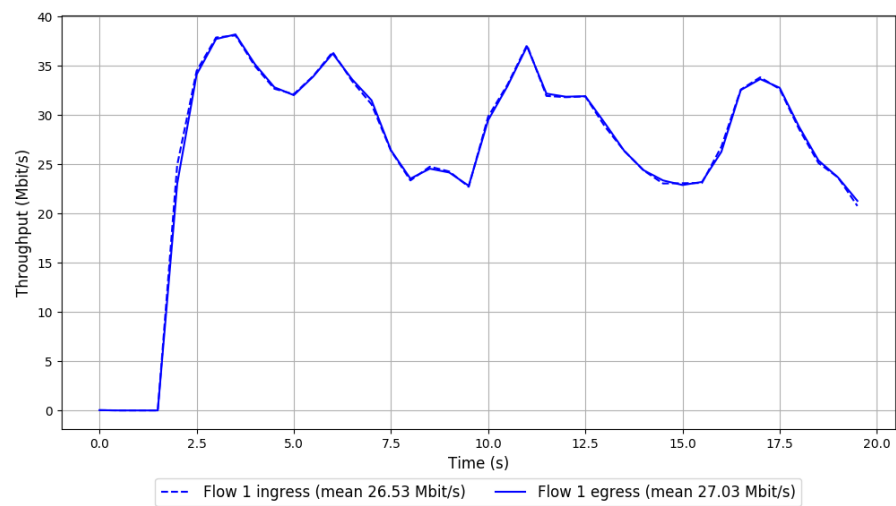
Start at: 2017-08-21 18:28:53

End at: 2017-08-21 18:29:23

Local clock offset: -2.61 ms

Remote clock offset: -14.067 ms

Run 2: Report of Copa — Data Link

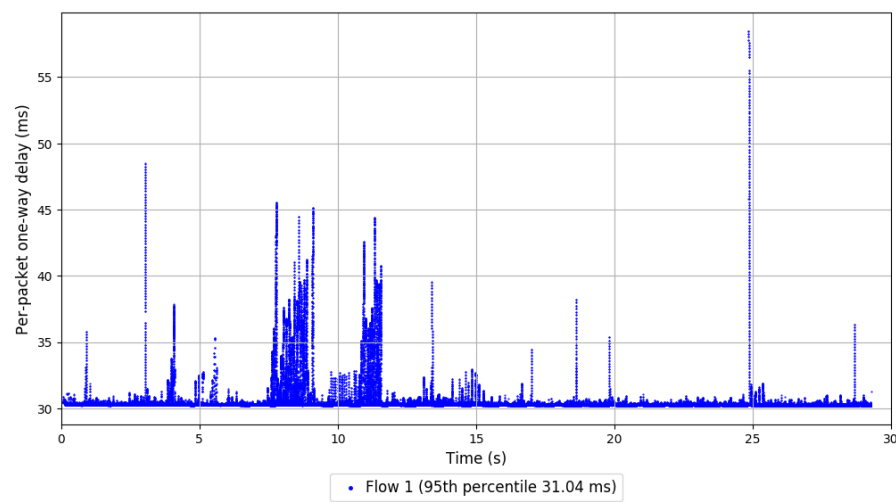
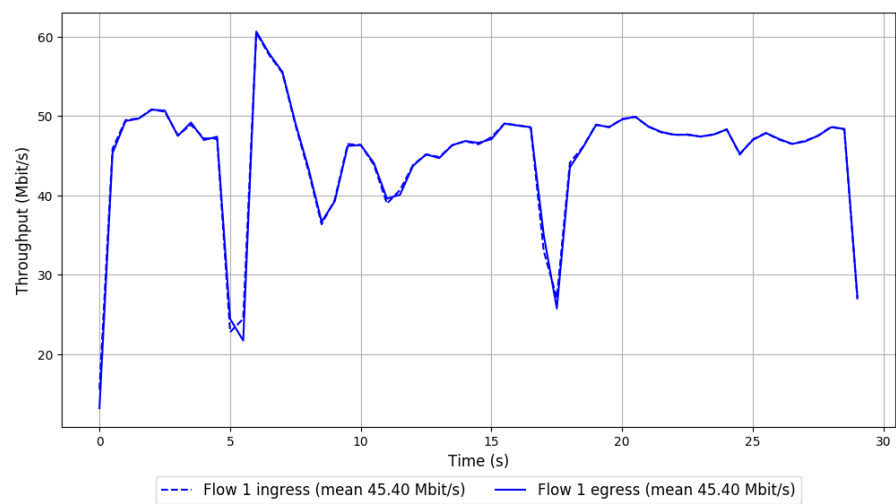


Run 3: Statistics of Copa

Start at: 2017-08-21 19:05:00  
End at: 2017-08-21 19:05:30  
Local clock offset: -1.492 ms  
Remote clock offset: -12.793 ms

# Below is generated by plot.py at 2017-08-22 02:34:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.40 Mbit/s  
95th percentile per-packet one-way delay: 31.035 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 45.40 Mbit/s  
95th percentile per-packet one-way delay: 31.035 ms  
Loss rate: 0.10%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2017-08-21 19:23:47

End at: 2017-08-21 19:24:17

Local clock offset: -1.045 ms

Remote clock offset: -14.611 ms

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

# Datalink statistics

-- Total of 1 flow:

Average throughput: 35.71 Mbit/s

95th percentile per-packet one-way delay: 31.260 ms

Loss rate: 0.08%

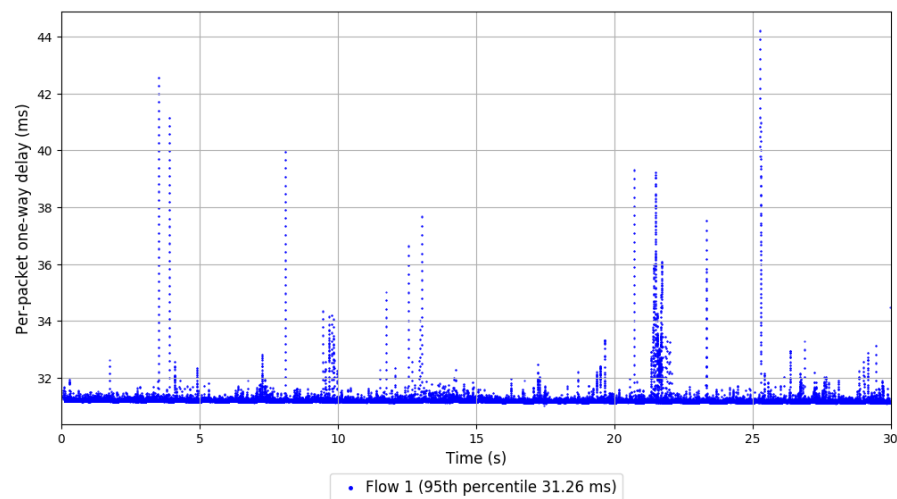
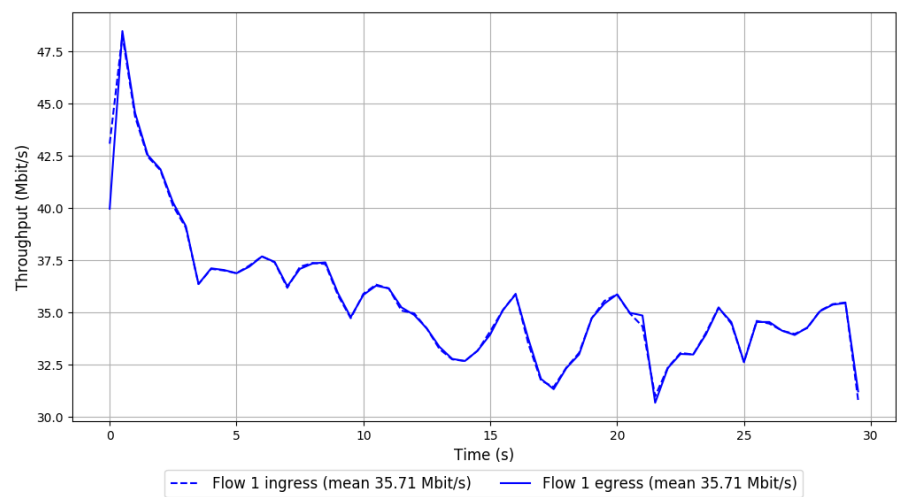
-- Flow 1:

Average throughput: 35.71 Mbit/s

95th percentile per-packet one-way delay: 31.260 ms

Loss rate: 0.08%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2017-08-21 19:41:48

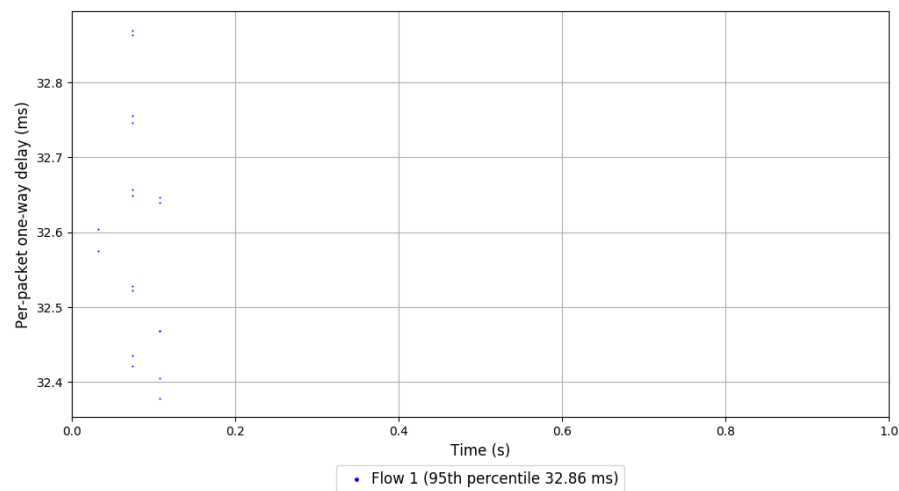
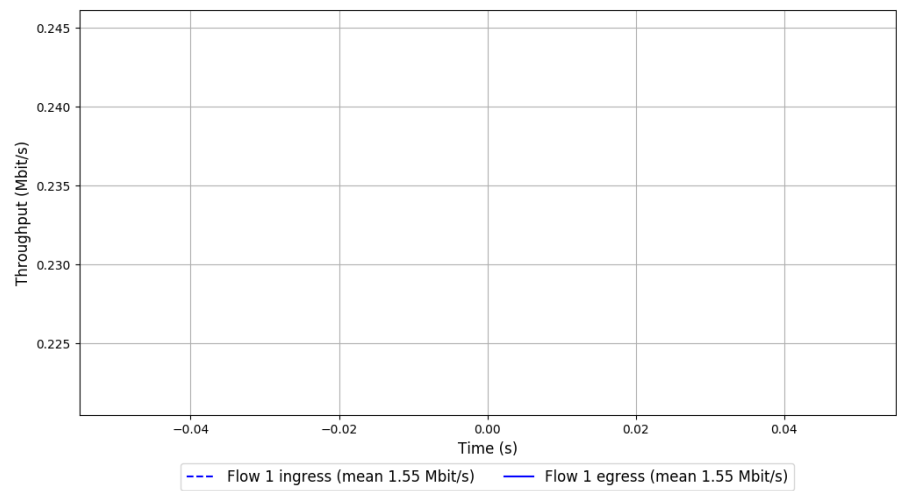
End at: 2017-08-21 19:42:18

Local clock offset: 2.359 ms

Remote clock offset: -14.112 ms



Run 5: Report of Copa — Data Link

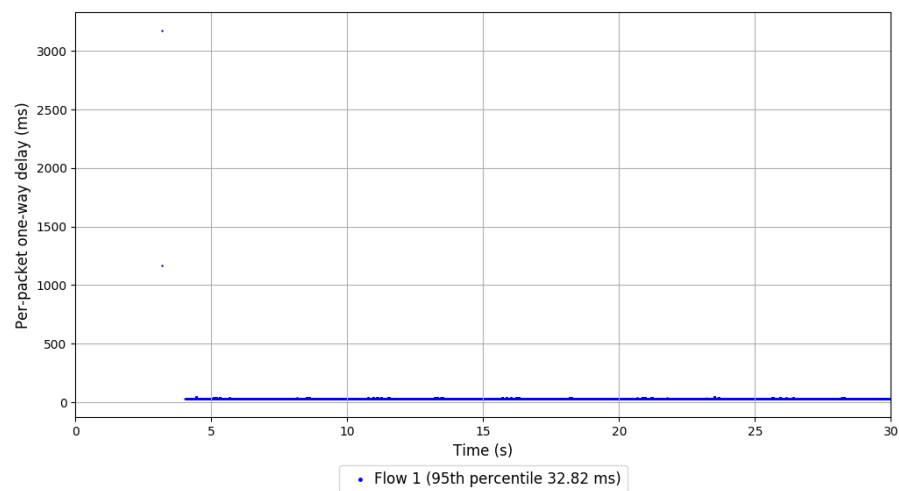
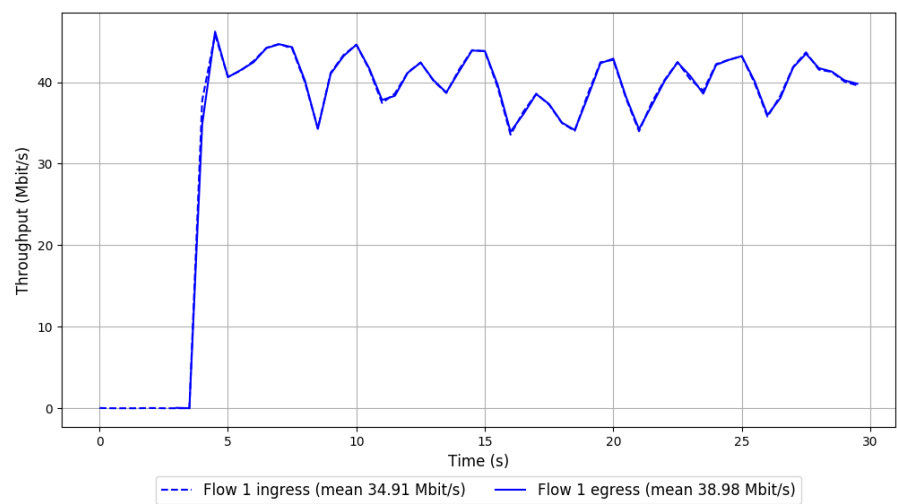


Run 6: Statistics of Copa

Start at: 2017-08-21 19:59:44  
End at: 2017-08-21 20:00:14  
Local clock offset: 2.25 ms  
Remote clock offset: -14.403 ms

# Below is generated by plot.py at 2017-08-22 02:34:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 38.98 Mbit/s  
95th percentile per-packet one-way delay: 32.819 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 38.98 Mbit/s  
95th percentile per-packet one-way delay: 32.819 ms  
Loss rate: 0.10%

Run 6: Report of Copa — Data Link

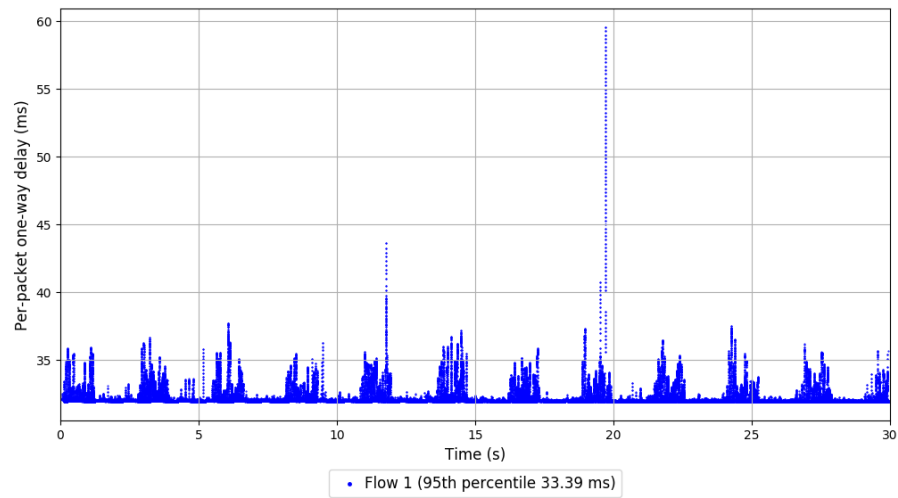
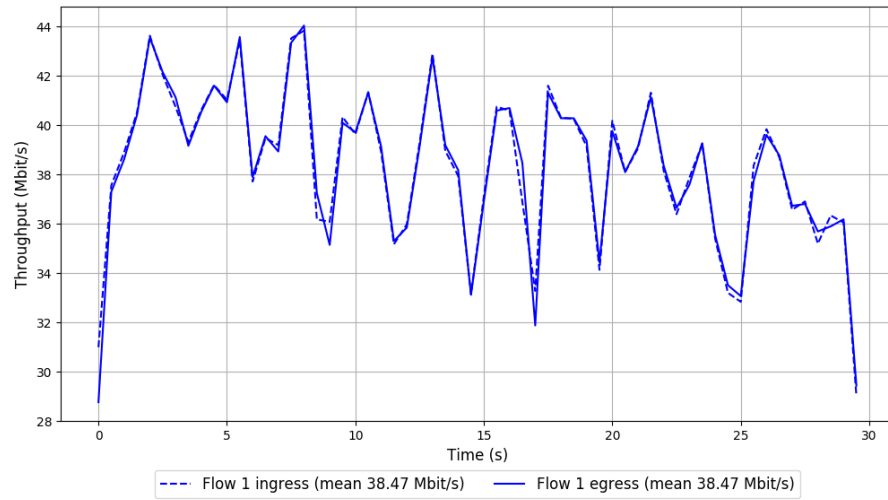


Run 7: Statistics of Copa

Start at: 2017-08-21 20:20:20  
End at: 2017-08-21 20:20:50  
Local clock offset: 4.686 ms  
Remote clock offset: -13.239 ms

# Below is generated by plot.py at 2017-08-22 02:34:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 38.47 Mbit/s  
95th percentile per-packet one-way delay: 33.389 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 38.47 Mbit/s  
95th percentile per-packet one-way delay: 33.389 ms  
Loss rate: 0.08%

### Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

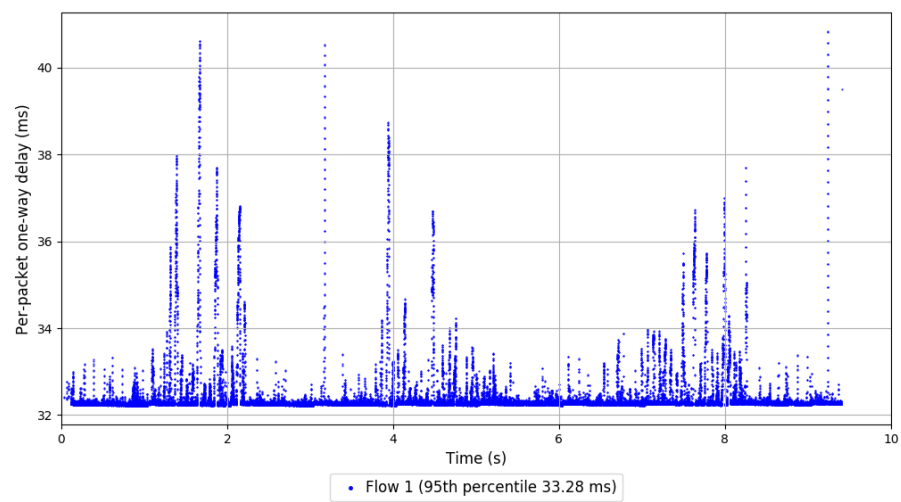
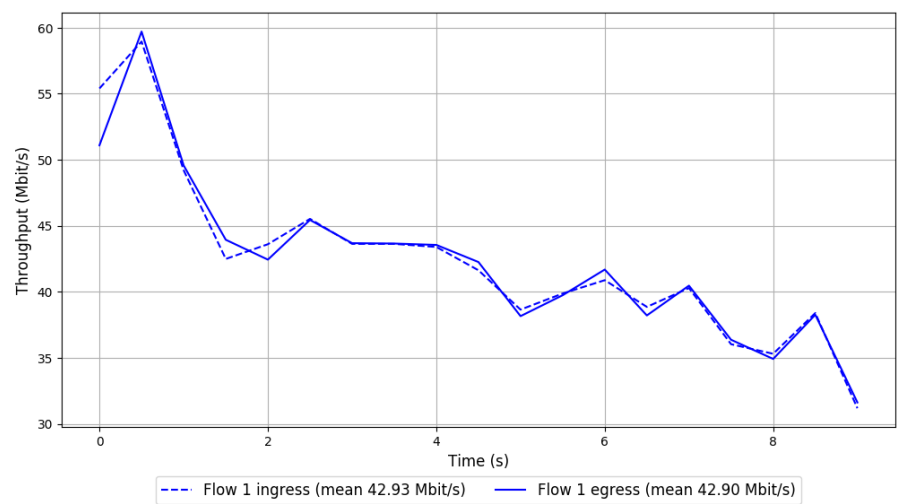
Start at: 2017-08-21 20:40:46

End at: 2017-08-21 20:41:16

Local clock offset: 5.74 ms

Remote clock offset: -12.642 ms

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: 2017-08-21 21:00:35

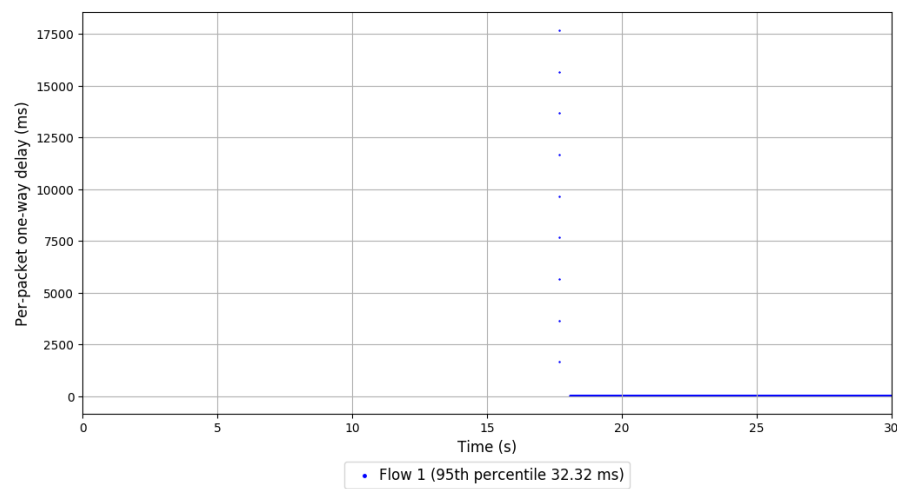
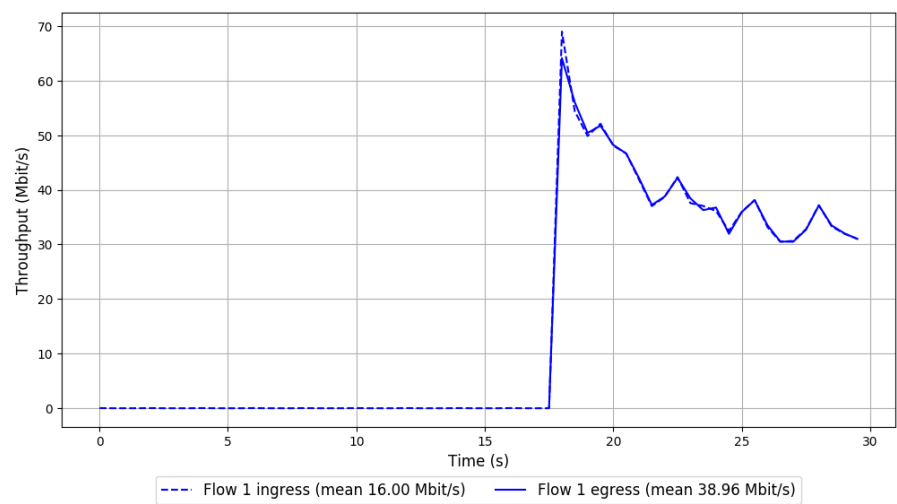
End at: 2017-08-21 21:01:05

Local clock offset: 3.839 ms

Remote clock offset: -11.678 ms



Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

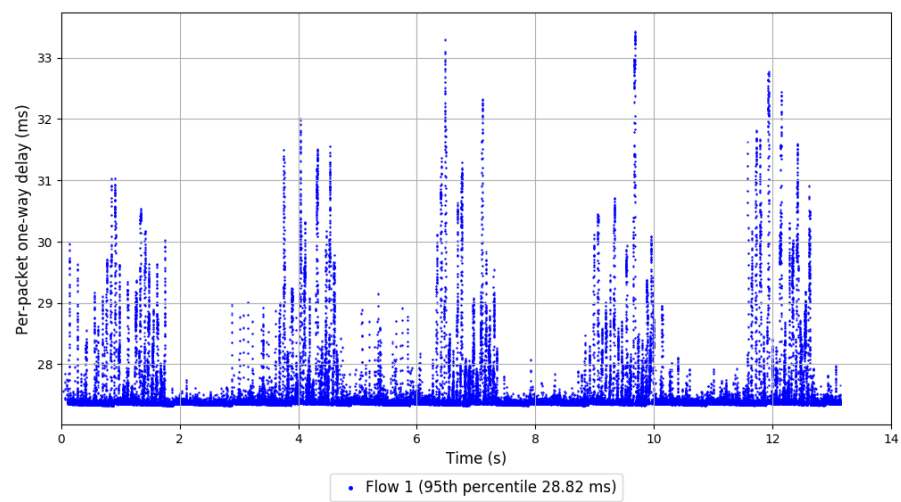
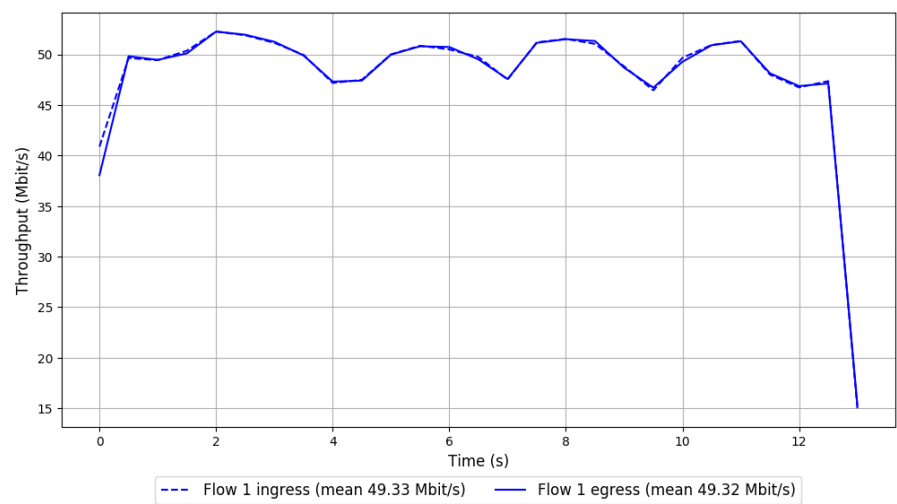
Start at: 2017-08-21 21:21:02

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

Local clock offset: 1.69 ms

Remote clock offset: -11.599 ms

Run 10: Report of Copa — Data Link

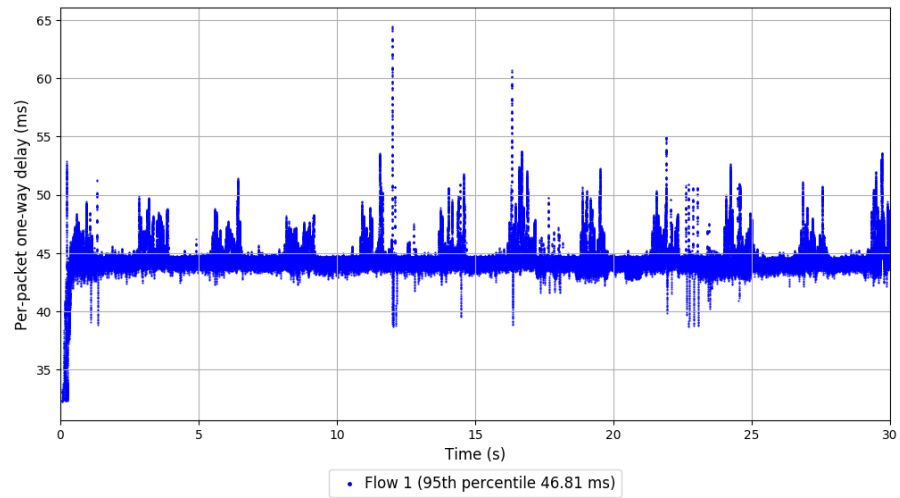
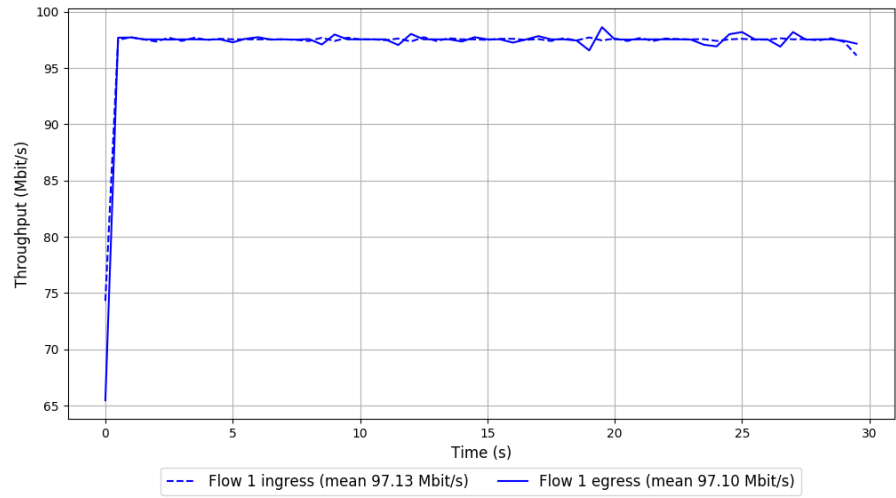


Run 1: Statistics of TCP Cubic

Start at: 2017-08-21 18:02:38  
End at: 2017-08-21 18:03:08  
Local clock offset: -1.75 ms  
Remote clock offset: -13.26 ms

# Below is generated by plot.py at 2017-08-22 02:34:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.10 Mbit/s  
95th percentile per-packet one-way delay: 46.812 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 97.10 Mbit/s  
95th percentile per-packet one-way delay: 46.812 ms  
Loss rate: 0.13%

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

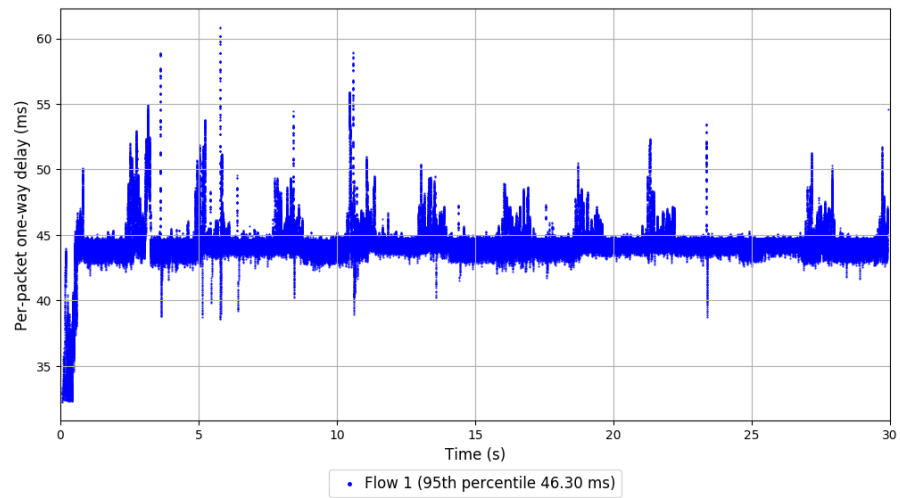
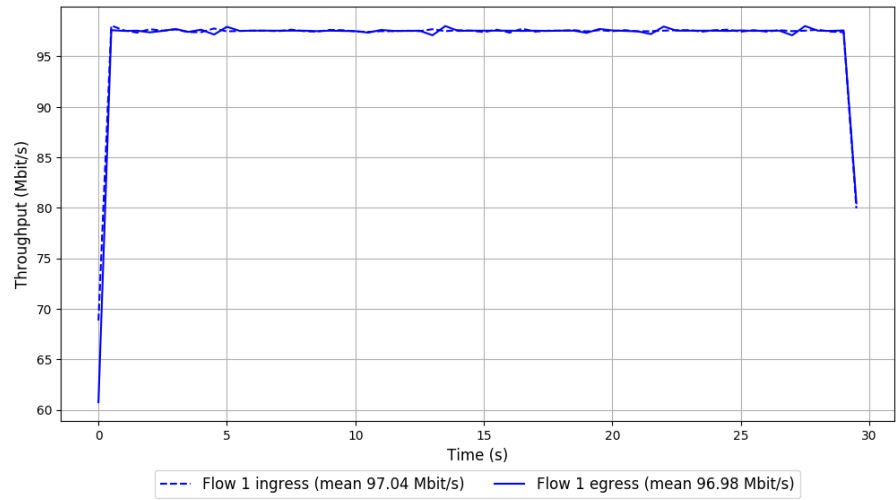


Run 2: Statistics of TCP Cubic

Start at: 2017-08-21 18:23:26  
End at: 2017-08-21 18:23:56  
Local clock offset: -0.943 ms  
Remote clock offset: -13.719 ms

# Below is generated by plot.py at 2017-08-22 02:34:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.98 Mbit/s  
95th percentile per-packet one-way delay: 46.302 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 96.98 Mbit/s  
95th percentile per-packet one-way delay: 46.302 ms  
Loss rate: 0.14%

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



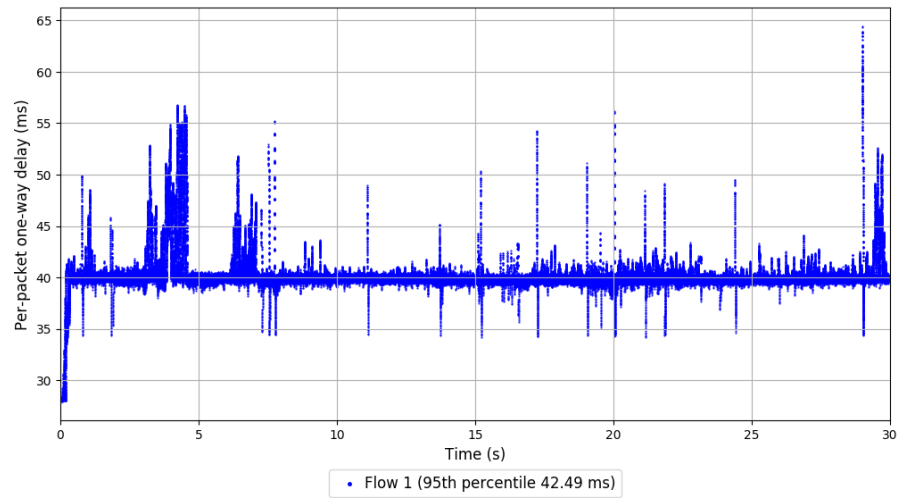
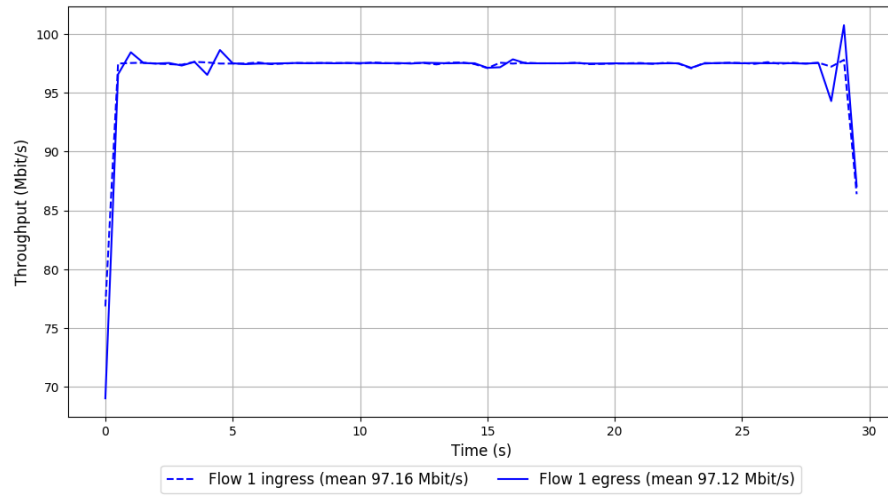
Run 3: Statistics of TCP Cubic

Start at: 2017-08-21 18:59:59  
End at: 2017-08-21 19:00:29  
Local clock offset: -4.008 ms  
Remote clock offset: -12.549 ms

# Below is generated by plot.py at 2017-08-22 02:35:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.12 Mbit/s  
95th percentile per-packet one-way delay: 42.487 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 97.12 Mbit/s  
95th percentile per-packet one-way delay: 42.487 ms  
Loss rate: 0.12%



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

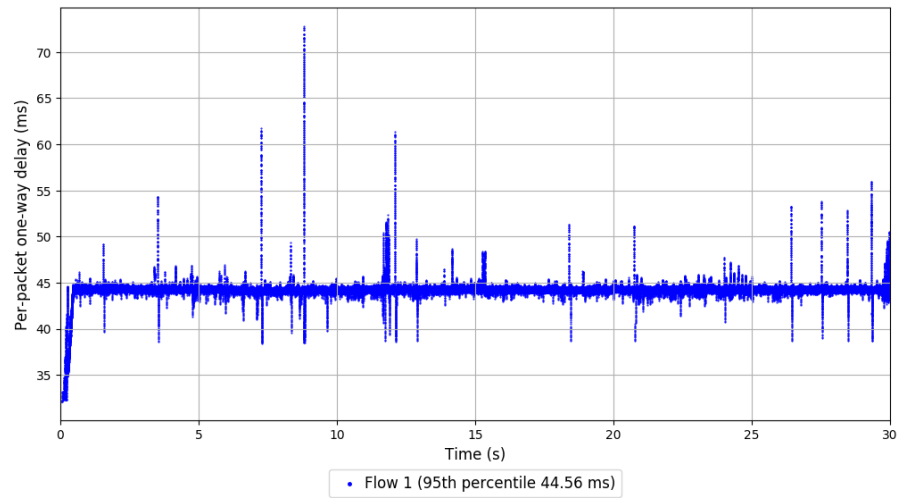
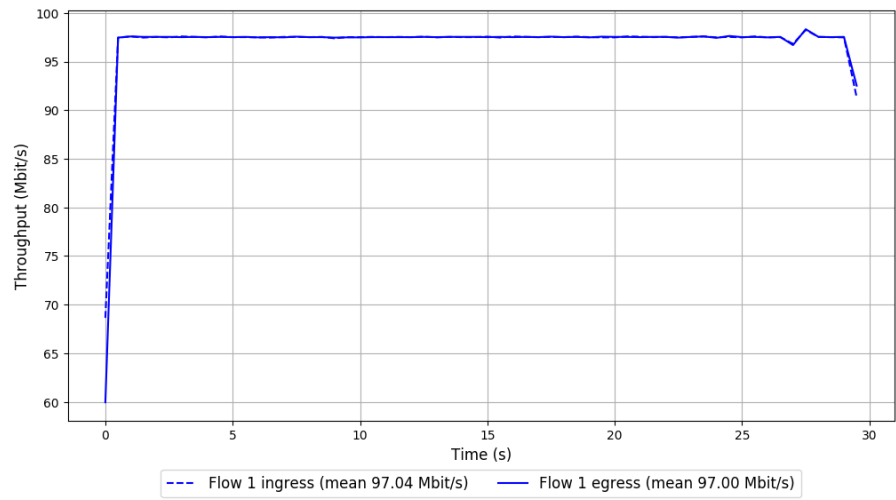


Run 4: Statistics of TCP Cubic

Start at: 2017-08-21 19:19:02  
End at: 2017-08-21 19:19:32  
Local clock offset: 1.055 ms  
Remote clock offset: -13.154 ms

# Below is generated by plot.py at 2017-08-22 02:35:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.00 Mbit/s  
95th percentile per-packet one-way delay: 44.560 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 97.00 Mbit/s  
95th percentile per-packet one-way delay: 44.560 ms  
Loss rate: 0.13%

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

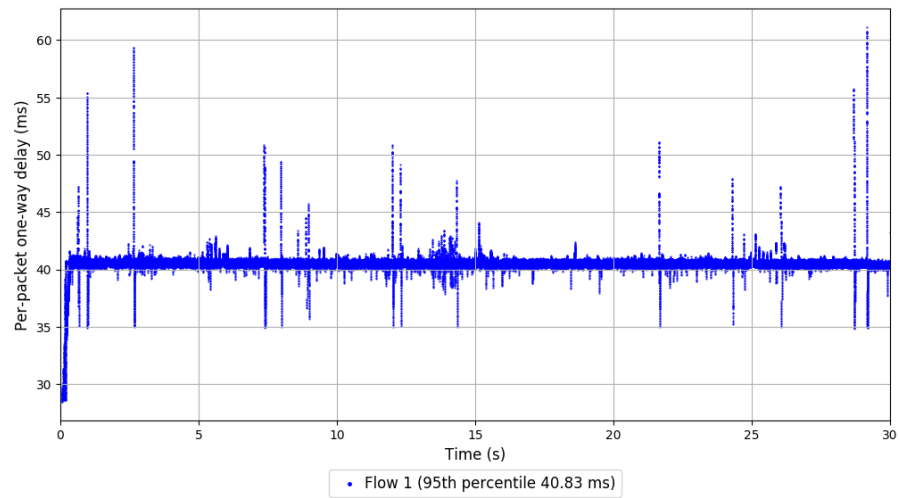
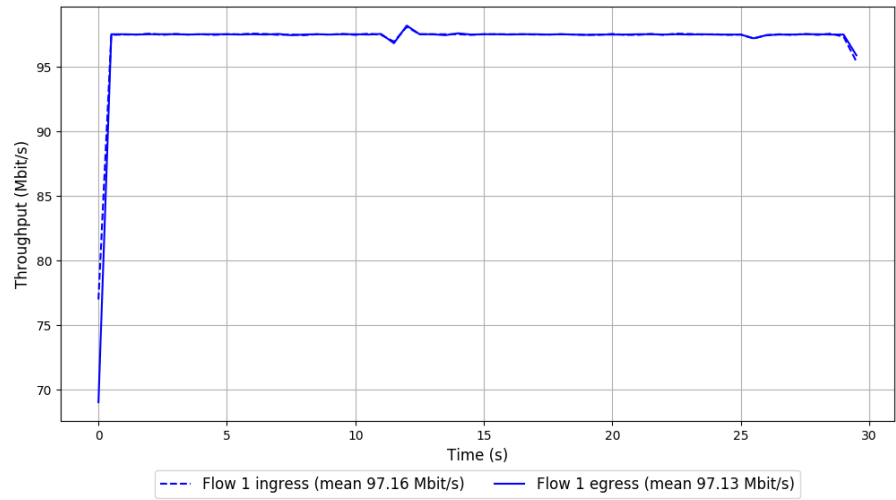


Run 5: Statistics of TCP Cubic

Start at: 2017-08-21 19:37:01  
End at: 2017-08-21 19:37:31  
Local clock offset: 0.061 ms  
Remote clock offset: -12.323 ms

# Below is generated by plot.py at 2017-08-22 02:35:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.13 Mbit/s  
95th percentile per-packet one-way delay: 40.829 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 97.13 Mbit/s  
95th percentile per-packet one-way delay: 40.829 ms  
Loss rate: 0.13%

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

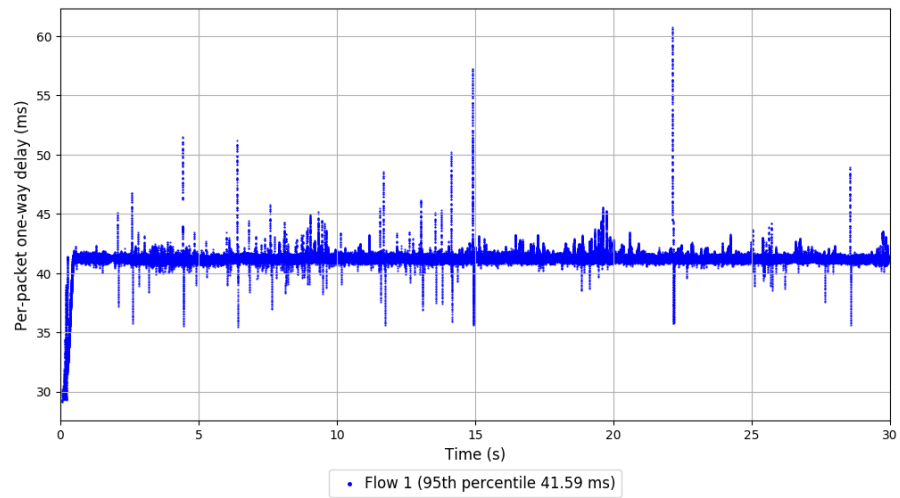
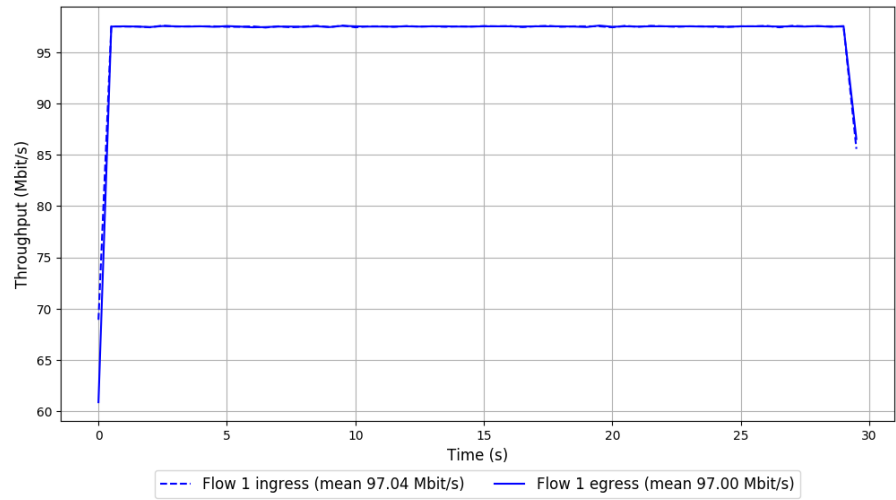


Run 6: Statistics of TCP Cubic

Start at: 2017-08-21 19:54:57  
End at: 2017-08-21 19:55:28  
Local clock offset: 1.548 ms  
Remote clock offset: -13.026 ms

# Below is generated by plot.py at 2017-08-22 02:35:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.00 Mbit/s  
95th percentile per-packet one-way delay: 41.587 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 97.00 Mbit/s  
95th percentile per-packet one-way delay: 41.587 ms  
Loss rate: 0.12%

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



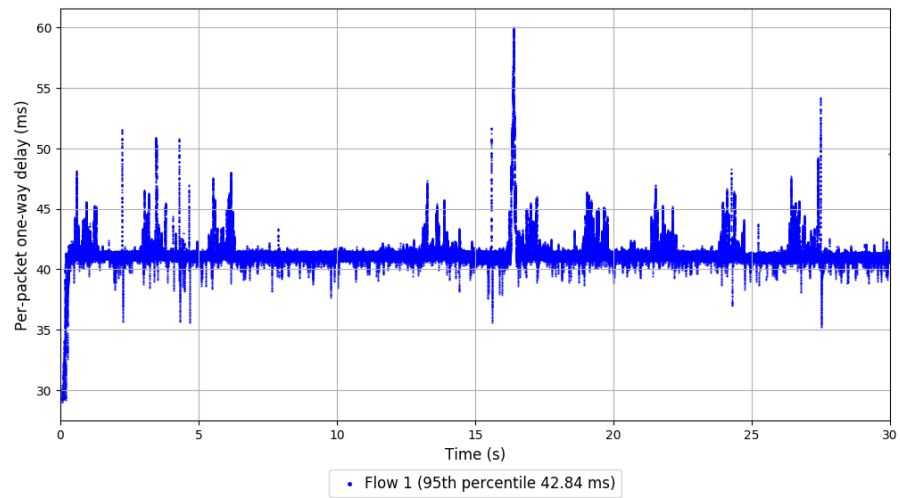
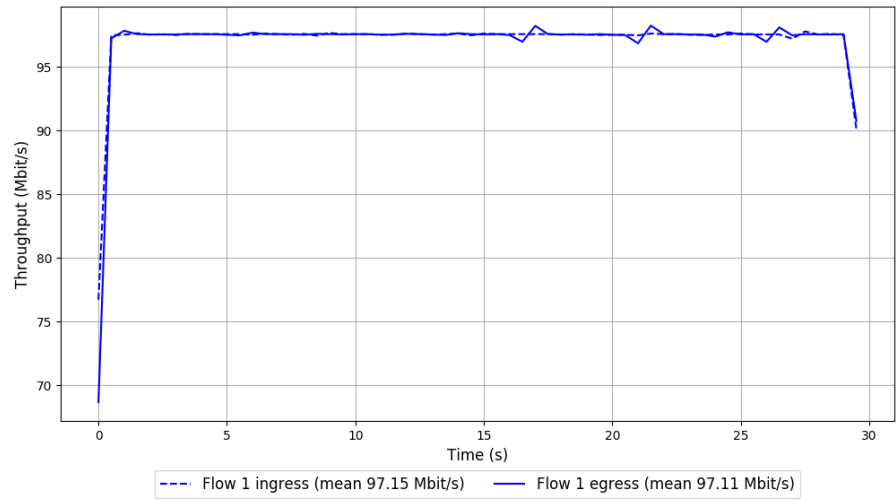
Run 7: Statistics of TCP Cubic

Start at: 2017-08-21 20:15:01  
End at: 2017-08-21 20:15:31  
Local clock offset: 3.987 ms  
Remote clock offset: -11.053 ms

# Below is generated by plot.py at 2017-08-22 02:35:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.11 Mbit/s  
95th percentile per-packet one-way delay: 42.838 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 97.11 Mbit/s  
95th percentile per-packet one-way delay: 42.838 ms  
Loss rate: 0.13%



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

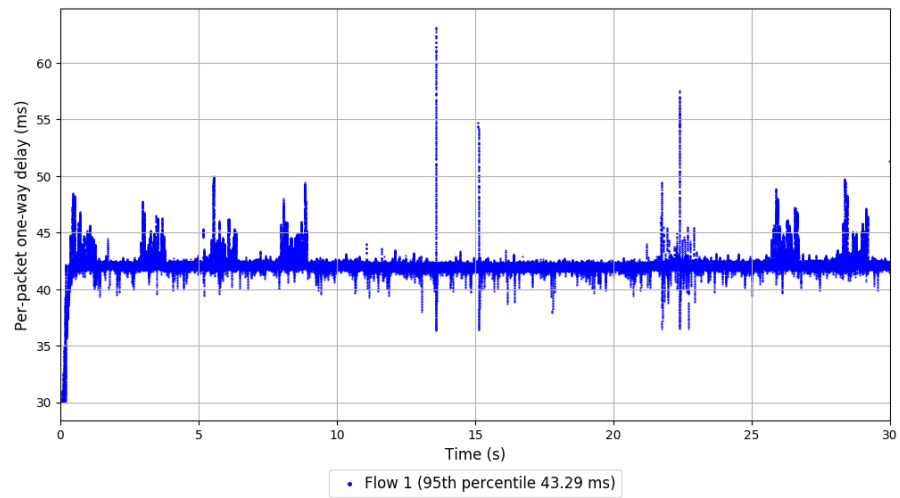
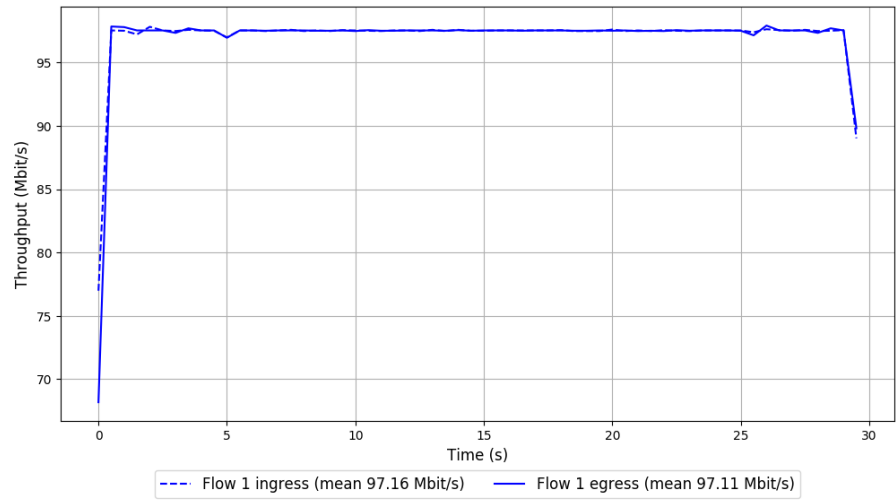


Run 8: Statistics of TCP Cubic

Start at: 2017-08-21 20:35:27  
End at: 2017-08-21 20:35:57  
Local clock offset: 4.204 ms  
Remote clock offset: -12.442 ms

# Below is generated by plot.py at 2017-08-22 02:35:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.11 Mbit/s  
95th percentile per-packet one-way delay: 43.293 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 97.11 Mbit/s  
95th percentile per-packet one-way delay: 43.293 ms  
Loss rate: 0.13%

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

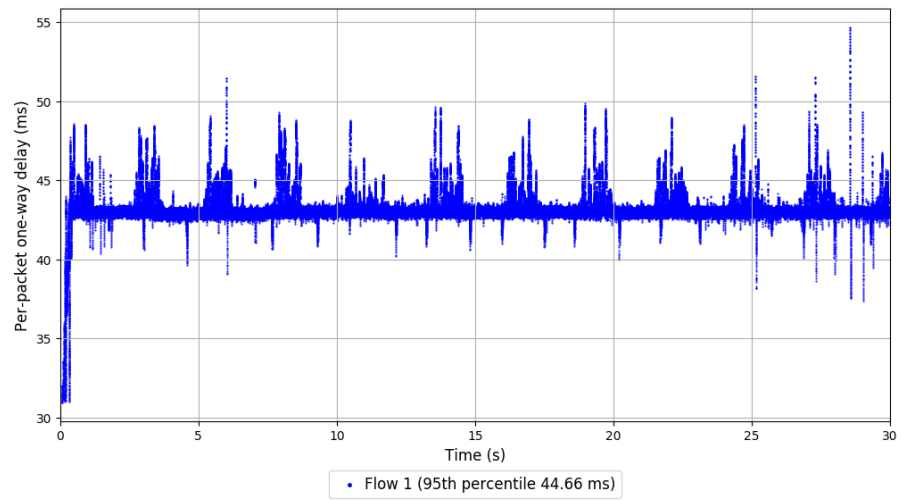
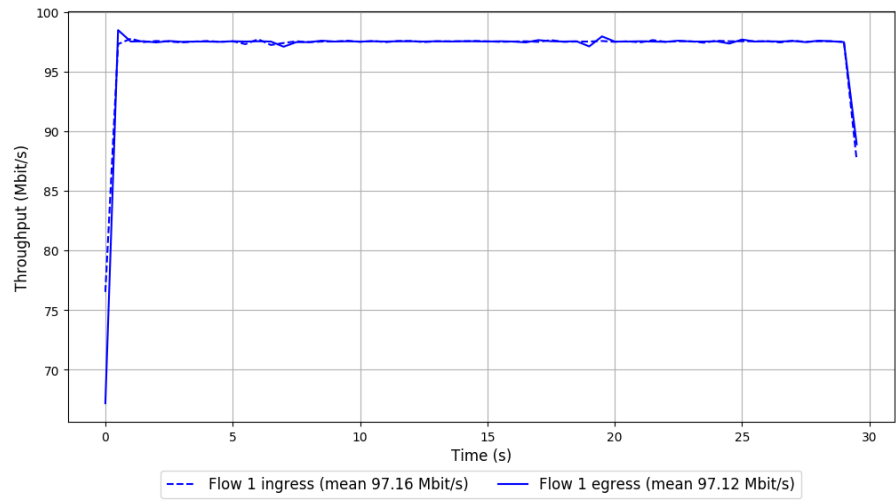


Run 9: Statistics of TCP Cubic

Start at: 2017-08-21 20:55:31  
End at: 2017-08-21 20:56:01  
Local clock offset: 3.24 ms  
Remote clock offset: -13.419 ms

# Below is generated by plot.py at 2017-08-22 02:35:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.12 Mbit/s  
95th percentile per-packet one-way delay: 44.662 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 97.12 Mbit/s  
95th percentile per-packet one-way delay: 44.662 ms  
Loss rate: 0.12%

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

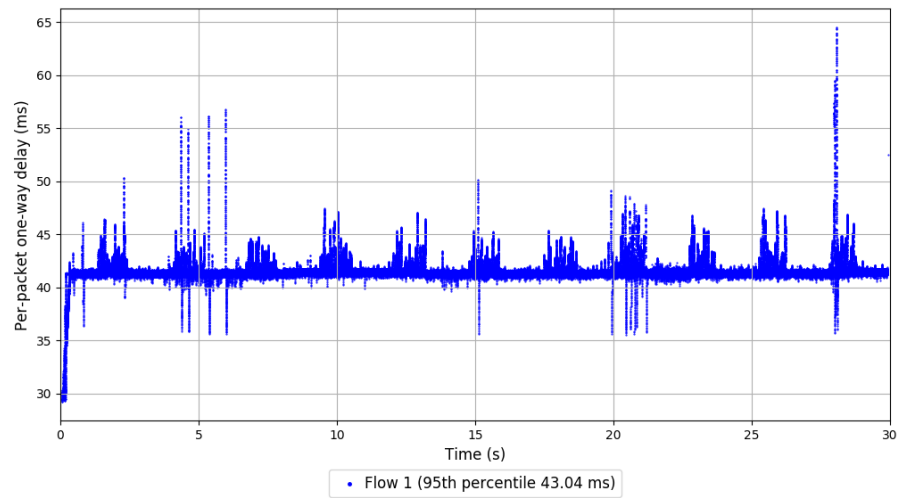
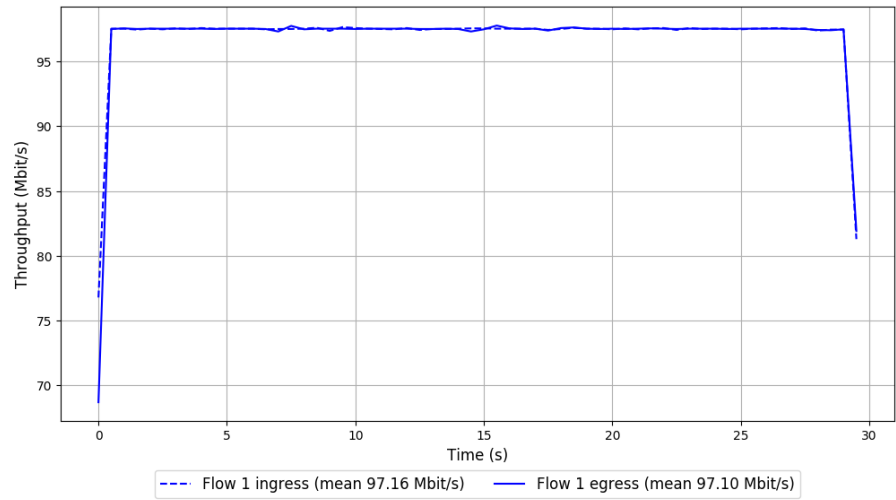


Run 10: Statistics of TCP Cubic

Start at: 2017-08-21 21:15:40  
End at: 2017-08-21 21:16:10  
Local clock offset: 4.626 ms  
Remote clock offset: -10.776 ms

# Below is generated by plot.py at 2017-08-22 02:35:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.10 Mbit/s  
95th percentile per-packet one-way delay: 43.039 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 97.10 Mbit/s  
95th percentile per-packet one-way delay: 43.039 ms  
Loss rate: 0.13%

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



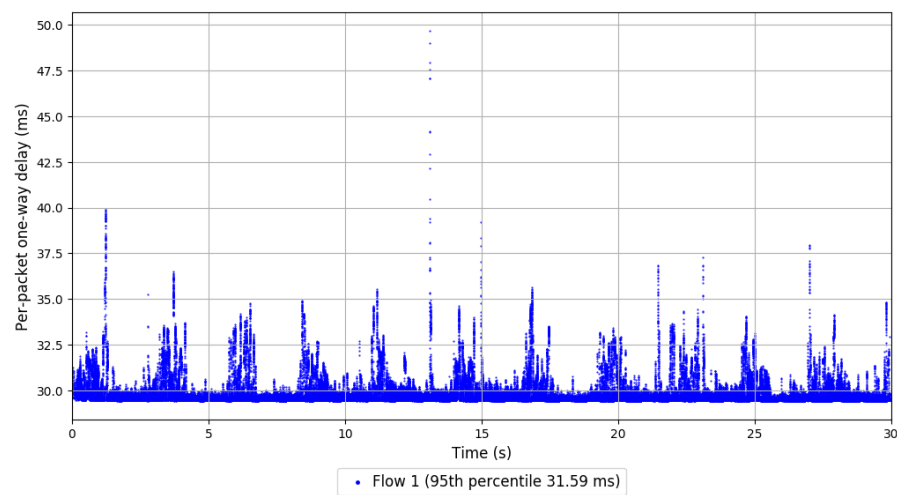
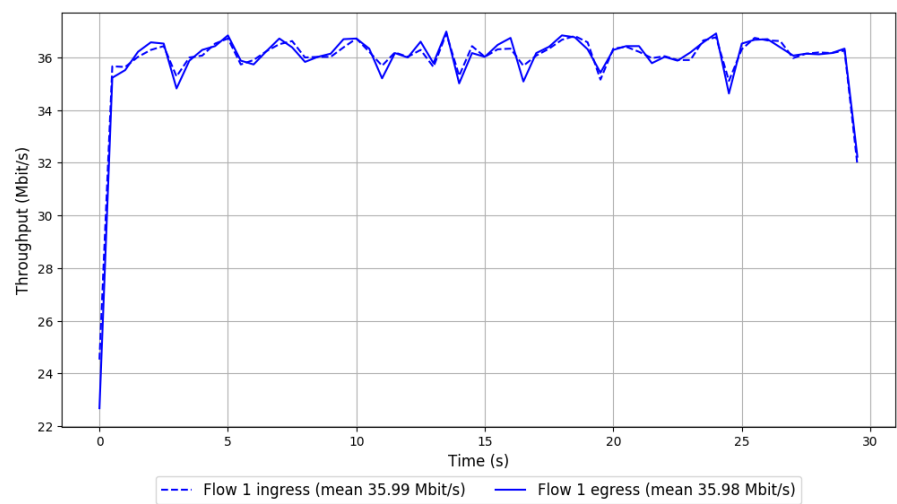
```
Run 1: Statistics of KohoCC

Start at: 2017-08-21 18:06:24
End at: 2017-08-21 18:06:54
Local clock offset: -4.133 ms
Remote clock offset: -13.029 ms

# Below is generated by plot.py at 2017-08-22 02:35:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.98 Mbit/s
95th percentile per-packet one-way delay: 31.585 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 35.98 Mbit/s
95th percentile per-packet one-way delay: 31.585 ms
Loss rate: 0.09%
```



Run 1: Report of KohoCC — Data Link

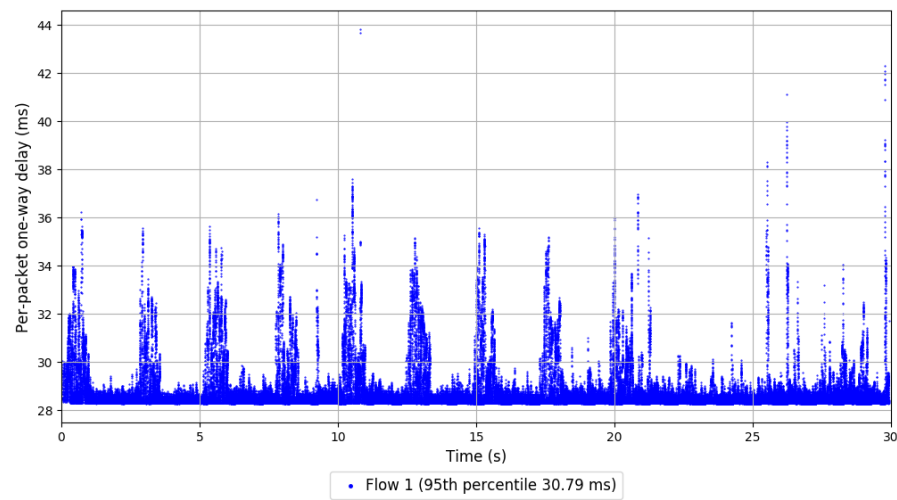
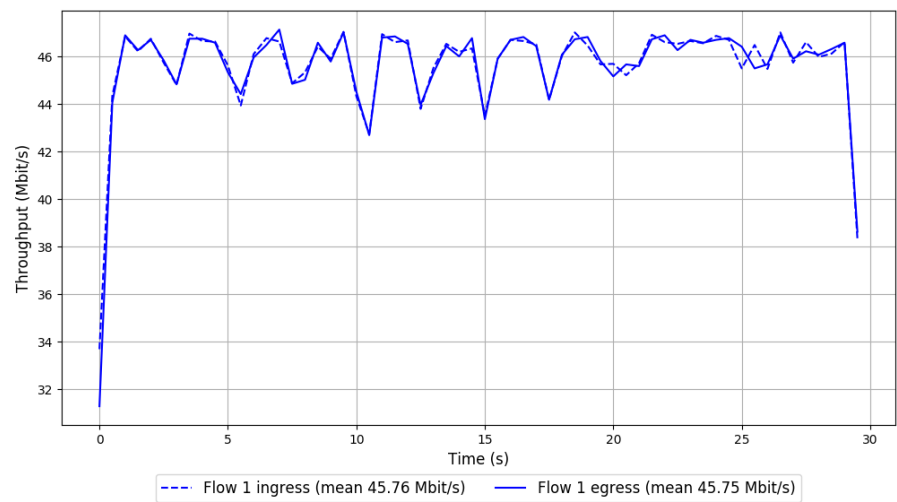


Run 2: Statistics of KohoCC

Start at: 2017-08-21 18:27:29  
End at: 2017-08-21 18:27:59  
Local clock offset: -5.222 ms  
Remote clock offset: -14.098 ms

# Below is generated by plot.py at 2017-08-22 02:35:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.75 Mbit/s  
95th percentile per-packet one-way delay: 30.792 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 45.75 Mbit/s  
95th percentile per-packet one-way delay: 30.792 ms  
Loss rate: 0.09%

Run 2: Report of KohoCC — Data Link

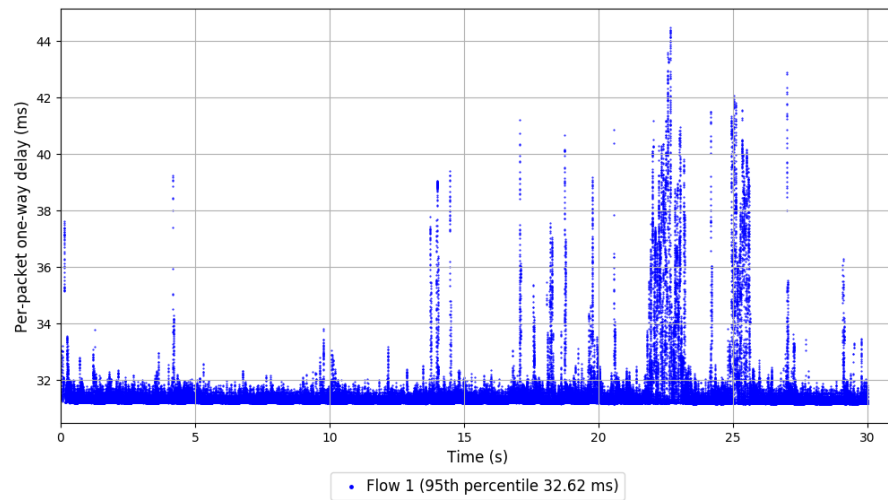
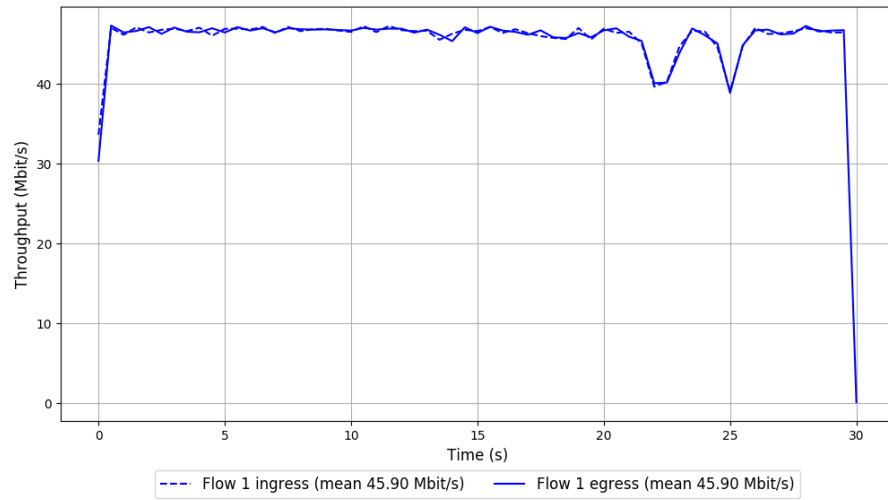


Run 3: Statistics of KohoCC

Start at: 2017-08-21 19:03:46  
End at: 2017-08-21 19:04:16  
Local clock offset: -1.448 ms  
Remote clock offset: -13.587 ms

# Below is generated by plot.py at 2017-08-22 02:35:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.90 Mbit/s  
95th percentile per-packet one-way delay: 32.622 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 45.90 Mbit/s  
95th percentile per-packet one-way delay: 32.622 ms  
Loss rate: 0.09%

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

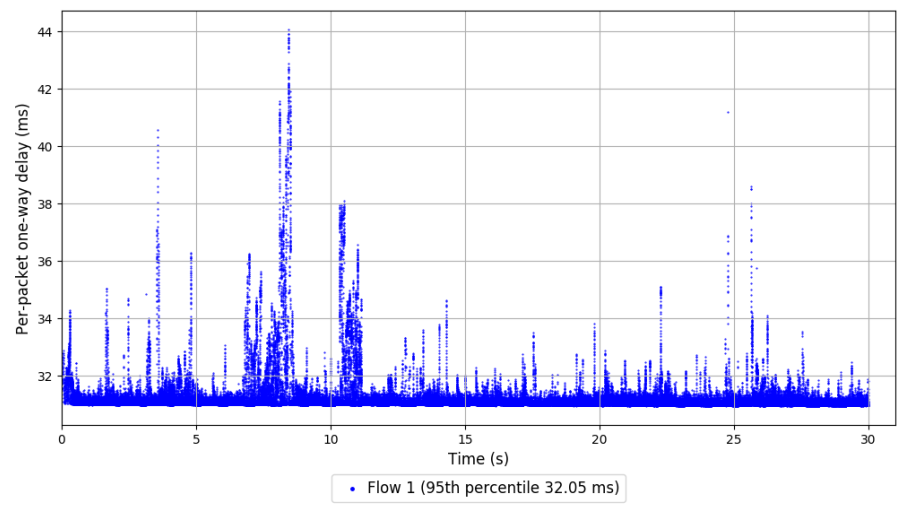
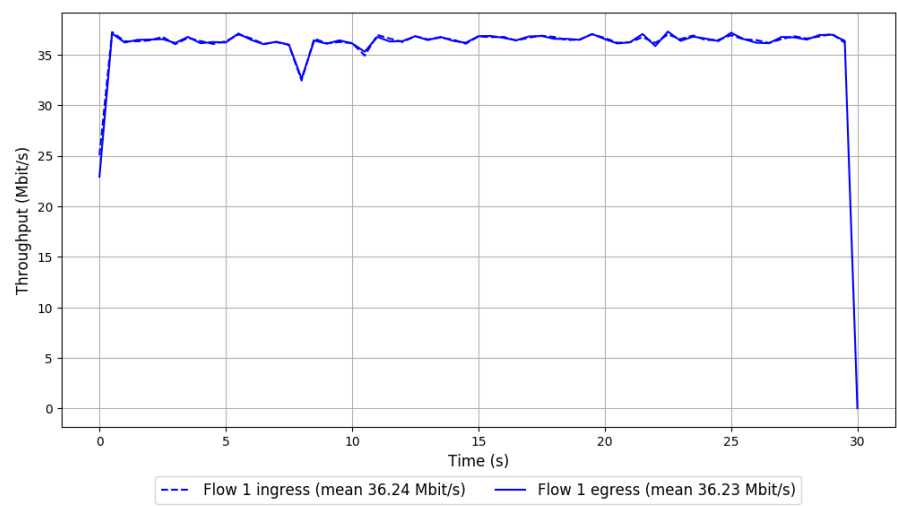


Run 4: Statistics of KohoCC

Start at: 2017-08-21 19:22:34  
End at: 2017-08-21 19:23:04  
Local clock offset: 0.742 ms  
Remote clock offset: -12.535 ms

# Below is generated by plot.py at 2017-08-22 02:36:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 36.23 Mbit/s  
95th percentile per-packet one-way delay: 32.051 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 36.23 Mbit/s  
95th percentile per-packet one-way delay: 32.051 ms  
Loss rate: 0.10%

Run 4: Report of KohoCC — Data Link



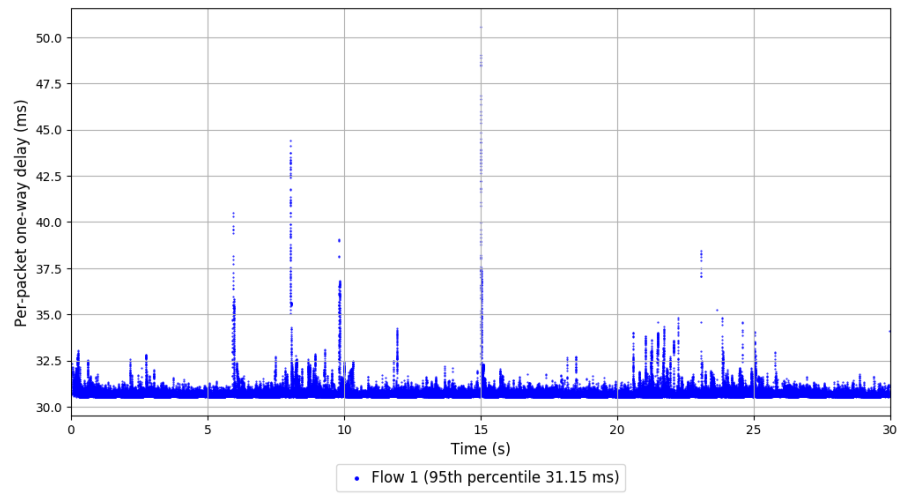
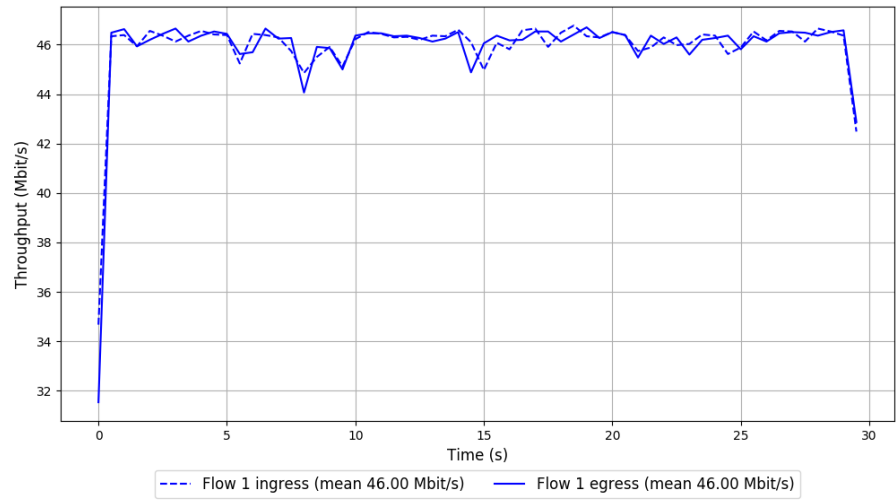
Run 5: Statistics of KohoCC

Start at: 2017-08-21 19:40:35  
End at: 2017-08-21 19:41:05  
Local clock offset: 1.152 ms  
Remote clock offset: -13.501 ms

# Below is generated by plot.py at 2017-08-22 02:36:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.00 Mbit/s  
95th percentile per-packet one-way delay: 31.146 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 46.00 Mbit/s  
95th percentile per-packet one-way delay: 31.146 ms  
Loss rate: 0.09%



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

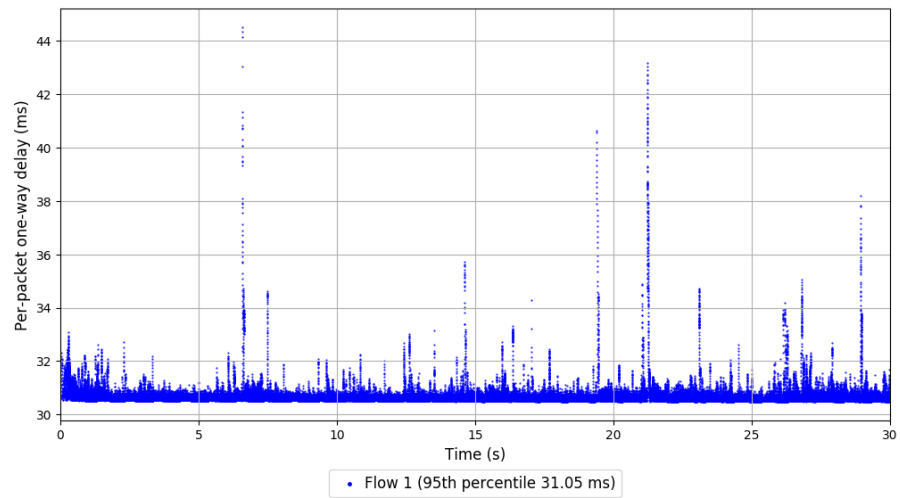
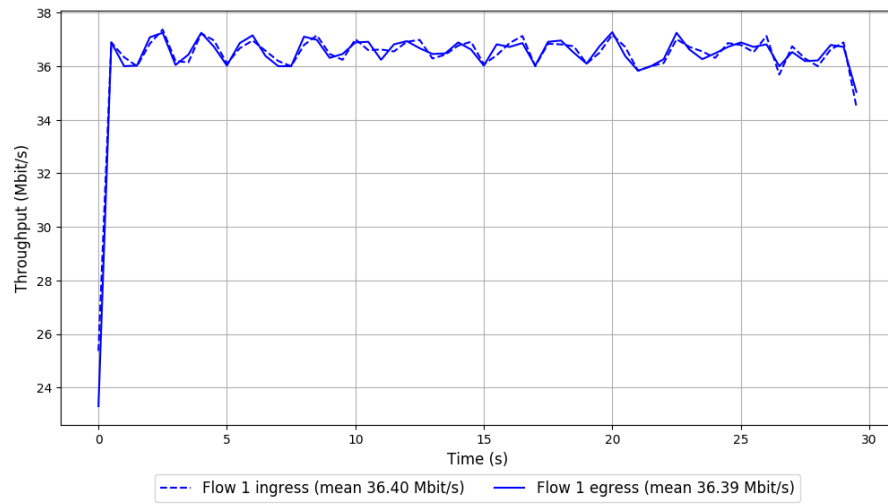


Run 6: Statistics of KohoCC

Start at: 2017-08-21 19:58:33  
End at: 2017-08-21 19:59:03  
Local clock offset: 1.932 ms  
Remote clock offset: -14.259 ms

# Below is generated by plot.py at 2017-08-22 02:36:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 36.39 Mbit/s  
95th percentile per-packet one-way delay: 31.051 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 36.39 Mbit/s  
95th percentile per-packet one-way delay: 31.051 ms  
Loss rate: 0.07%

## Run 6: Report of KohoCC — Data Link

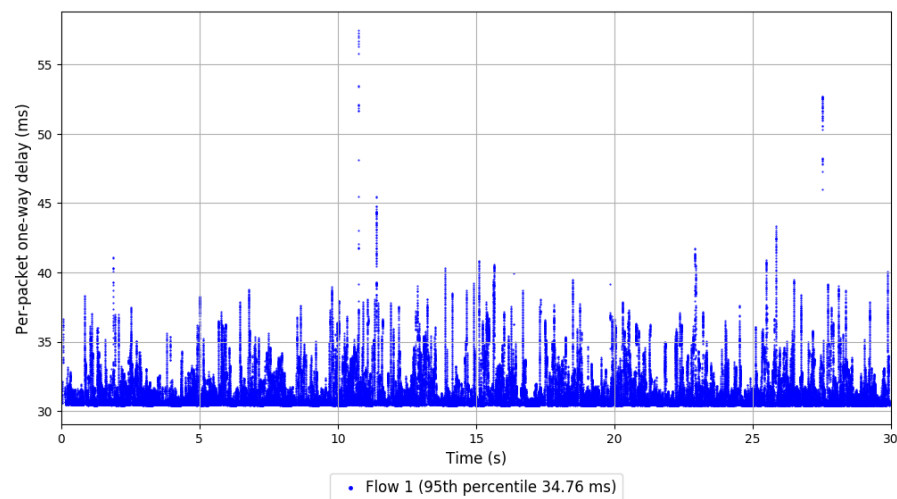
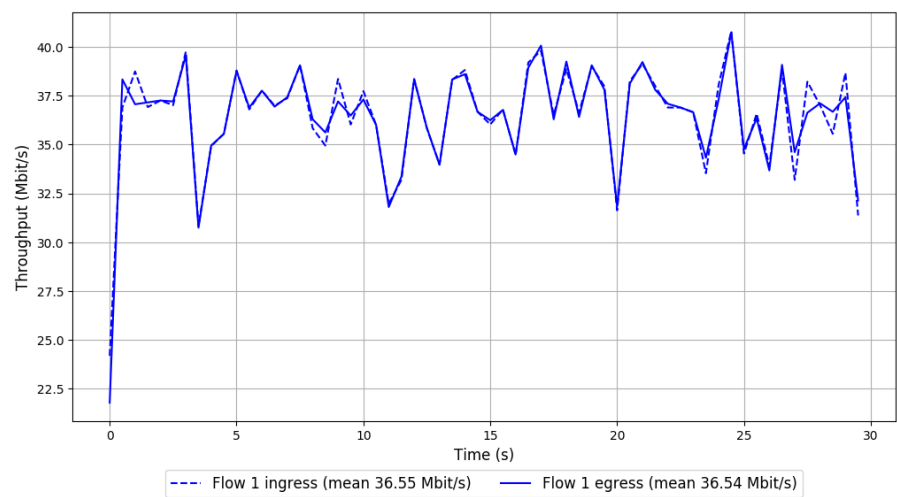


Run 7: Statistics of KohoCC

Start at: 2017-08-21 20:19:02  
End at: 2017-08-21 20:19:32  
Local clock offset: 3.742 ms  
Remote clock offset: -12.568 ms

# Below is generated by plot.py at 2017-08-22 02:36:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 36.54 Mbit/s  
95th percentile per-packet one-way delay: 34.757 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 36.54 Mbit/s  
95th percentile per-packet one-way delay: 34.757 ms  
Loss rate: 0.08%

Run 7: Report of KohoCC — Data Link

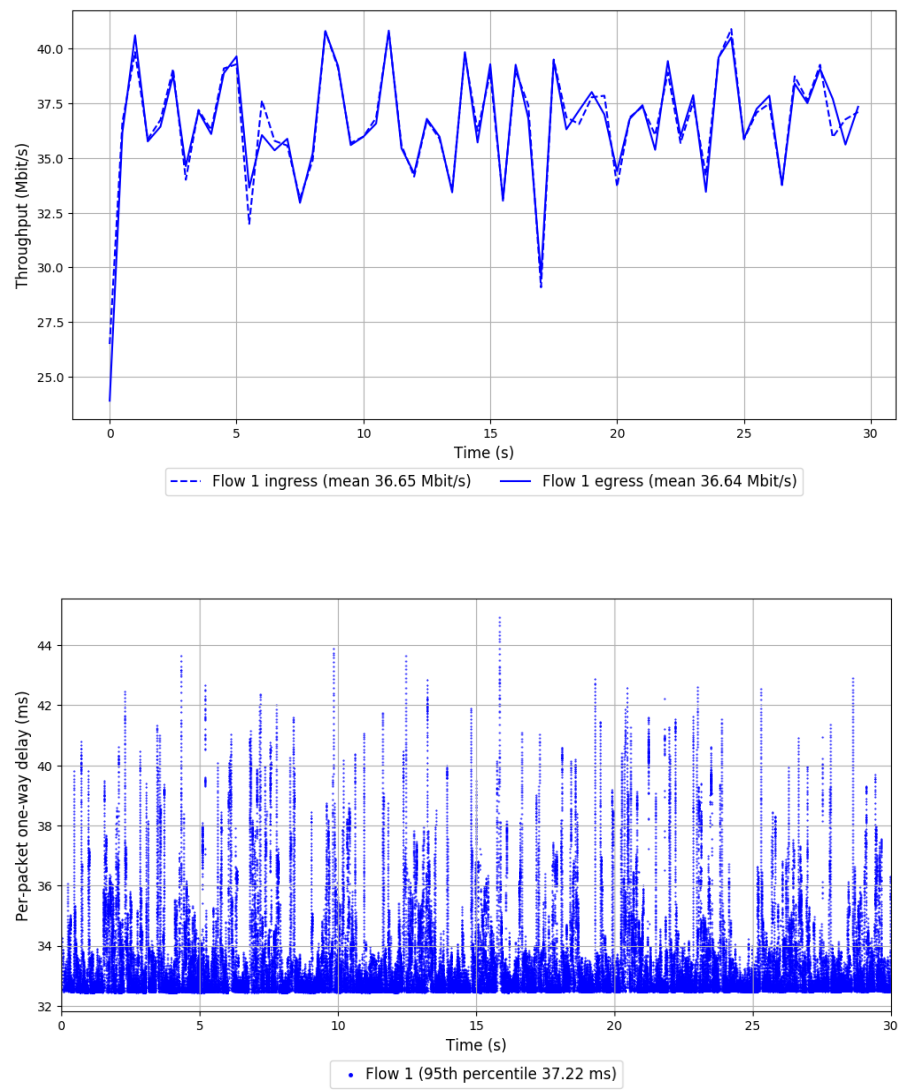


Run 8: Statistics of KohoCC

Start at: 2017-08-21 20:39:28  
End at: 2017-08-21 20:39:58  
Local clock offset: 5.189 ms  
Remote clock offset: -13.528 ms

# Below is generated by plot.py at 2017-08-22 02:36:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 36.64 Mbit/s  
95th percentile per-packet one-way delay: 37.222 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 36.64 Mbit/s  
95th percentile per-packet one-way delay: 37.222 ms  
Loss rate: 0.10%

Run 8: Report of KohoCC — Data Link



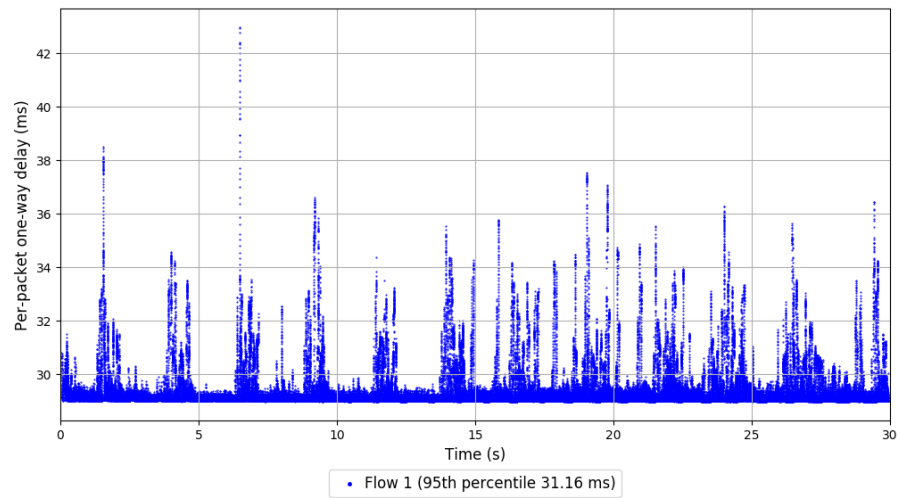
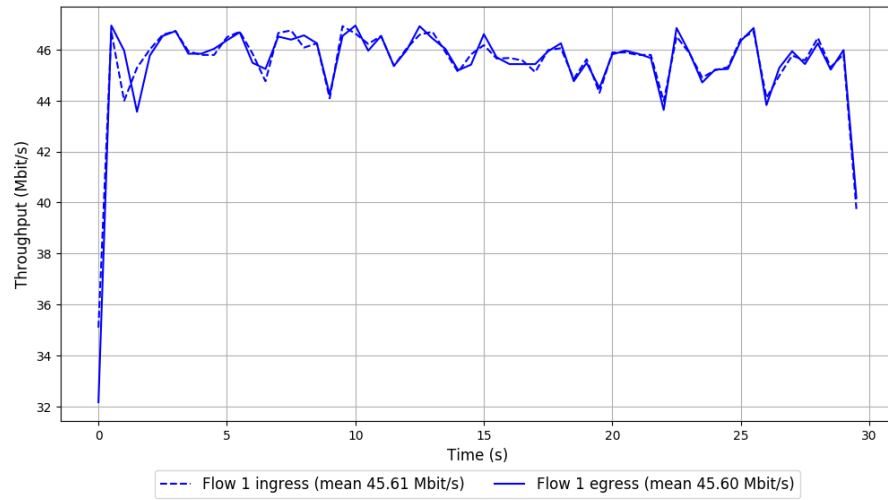
Run 9: Statistics of KohoCC

Start at: 2017-08-21 20:59:22  
End at: 2017-08-21 20:59:52  
Local clock offset: 4.209 ms  
Remote clock offset: -10.649 ms

# Below is generated by plot.py at 2017-08-22 02:36:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.60 Mbit/s  
95th percentile per-packet one-way delay: 31.161 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 45.60 Mbit/s  
95th percentile per-packet one-way delay: 31.161 ms  
Loss rate: 0.09%



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

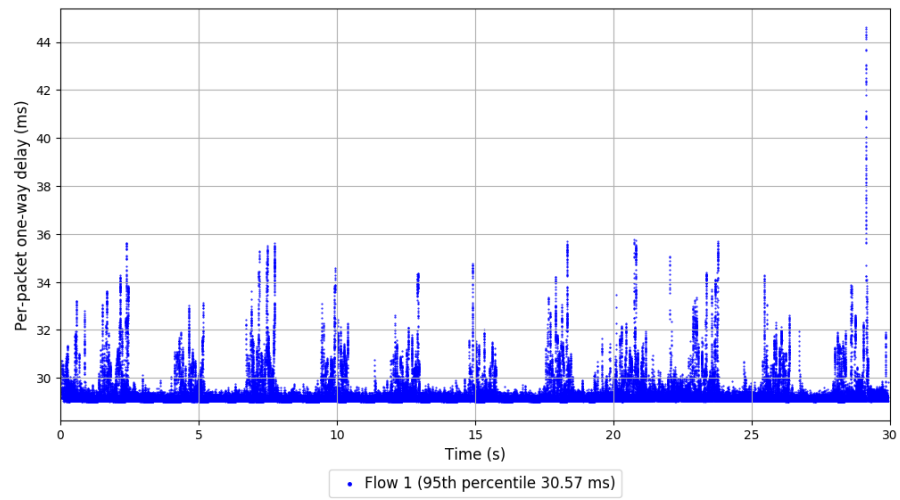
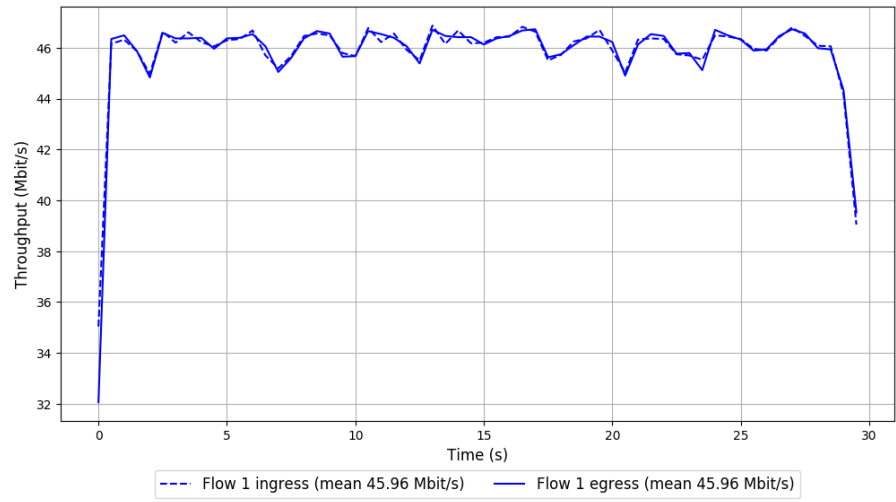


Run 10: Statistics of KohoCC

Start at: 2017-08-21 21:19:40  
End at: 2017-08-21 21:20:10  
Local clock offset: 2.891 ms  
Remote clock offset: -12.132 ms

# Below is generated by plot.py at 2017-08-22 02:36:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.96 Mbit/s  
95th percentile per-packet one-way delay: 30.571 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 45.96 Mbit/s  
95th percentile per-packet one-way delay: 30.571 ms  
Loss rate: 0.08%

Run 10: Report of KohoCC — Data Link

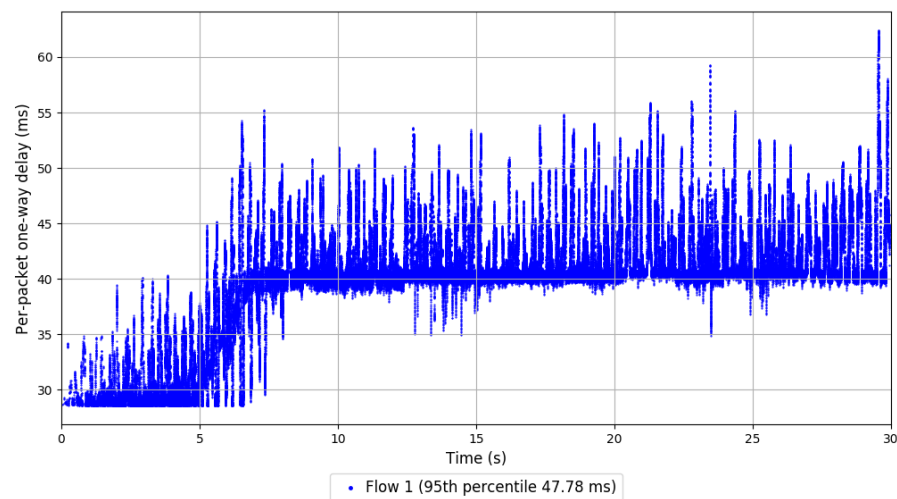
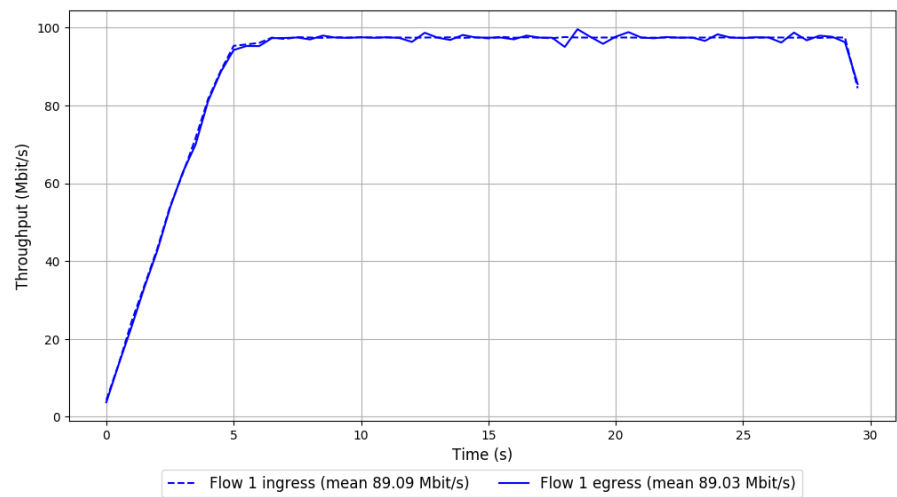


Run 1: Statistics of LEDBAT

Start at: 2017-08-21 17:45:48  
End at: 2017-08-21 17:46:18  
Local clock offset: -5.076 ms  
Remote clock offset: -13.024 ms

# Below is generated by plot.py at 2017-08-22 02:36:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.03 Mbit/s  
95th percentile per-packet one-way delay: 47.784 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 89.03 Mbit/s  
95th percentile per-packet one-way delay: 47.784 ms  
Loss rate: 0.15%

Run 1: Report of LEDBAT — Data Link

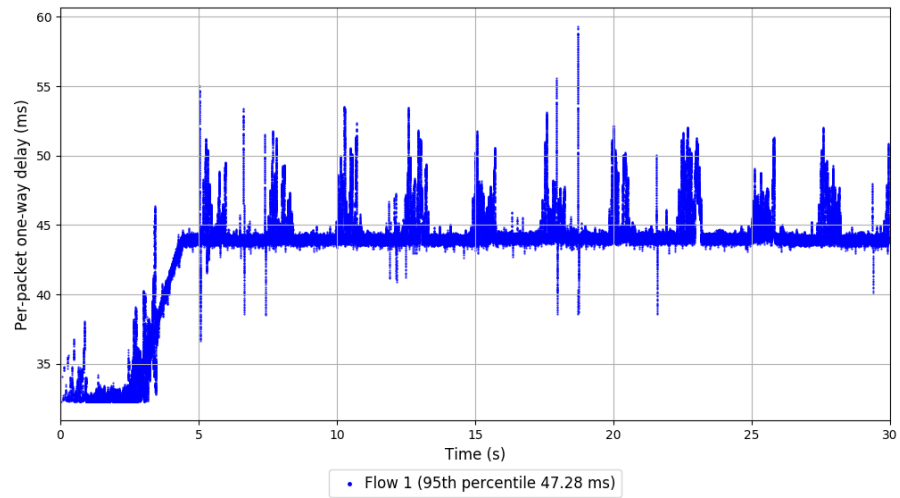
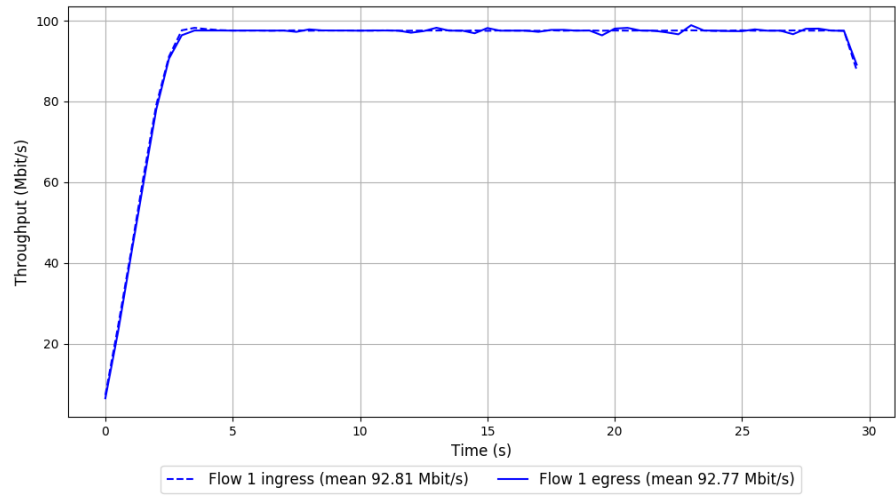


Run 2: Statistics of LEDBAT

Start at: 2017-08-21 18:16:03  
End at: 2017-08-21 18:16:33  
Local clock offset: -2.894 ms  
Remote clock offset: -15.187 ms

# Below is generated by plot.py at 2017-08-22 02:36:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.77 Mbit/s  
95th percentile per-packet one-way delay: 47.280 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 92.77 Mbit/s  
95th percentile per-packet one-way delay: 47.280 ms  
Loss rate: 0.13%

## Run 2: Report of LEDBAT — Data Link



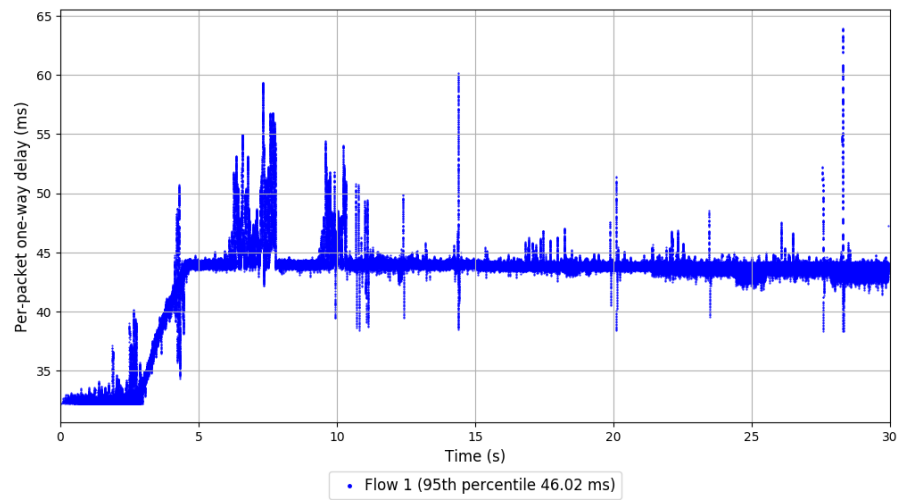
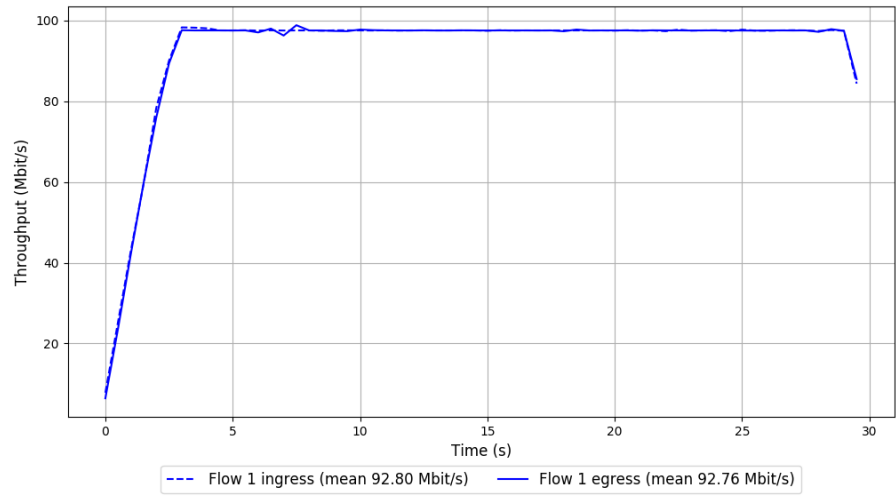
Run 3: Statistics of LEDBAT

Start at: 2017-08-21 18:52:50  
End at: 2017-08-21 18:53:20  
Local clock offset: -0.821 ms  
Remote clock offset: -12.953 ms

# Below is generated by plot.py at 2017-08-22 02:36:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.76 Mbit/s  
95th percentile per-packet one-way delay: 46.016 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 92.76 Mbit/s  
95th percentile per-packet one-way delay: 46.016 ms  
Loss rate: 0.13%



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

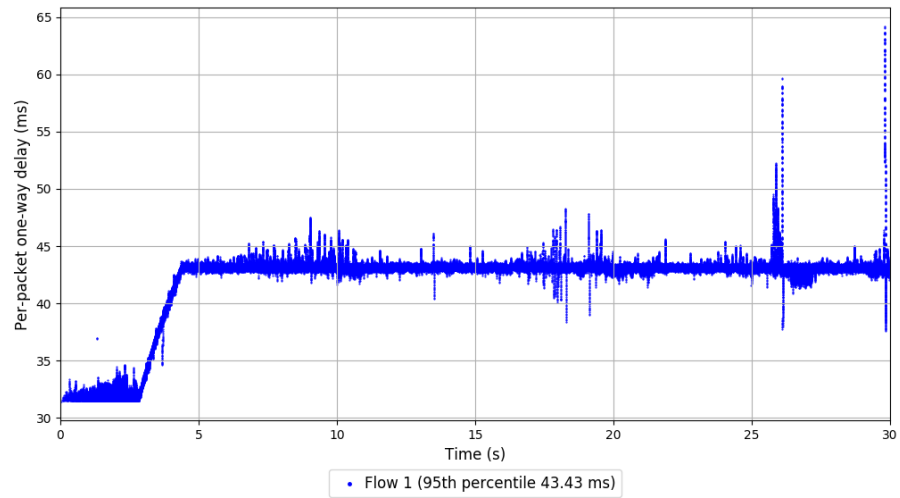
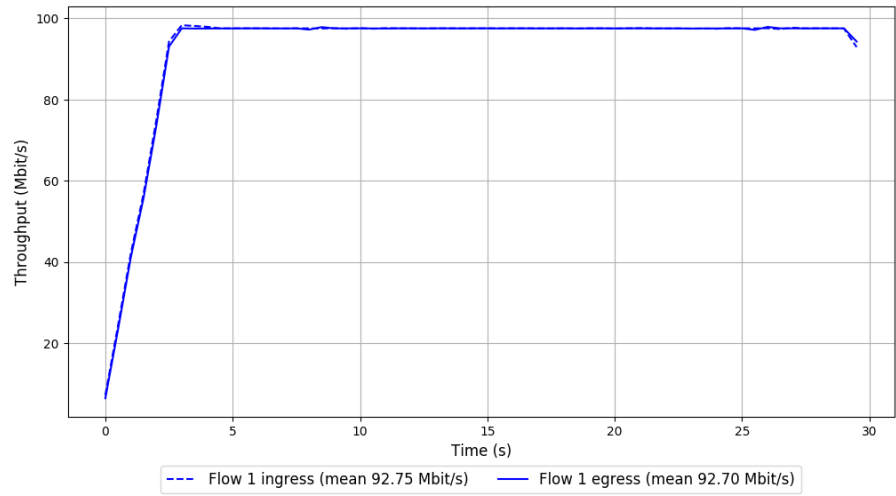


Run 4: Statistics of LEDBAT

Start at: 2017-08-21 19:12:27  
End at: 2017-08-21 19:12:57  
Local clock offset: -1.189 ms  
Remote clock offset: -14.106 ms

# Below is generated by plot.py at 2017-08-22 02:36:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.70 Mbit/s  
95th percentile per-packet one-way delay: 43.426 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 92.70 Mbit/s  
95th percentile per-packet one-way delay: 43.426 ms  
Loss rate: 0.13%

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

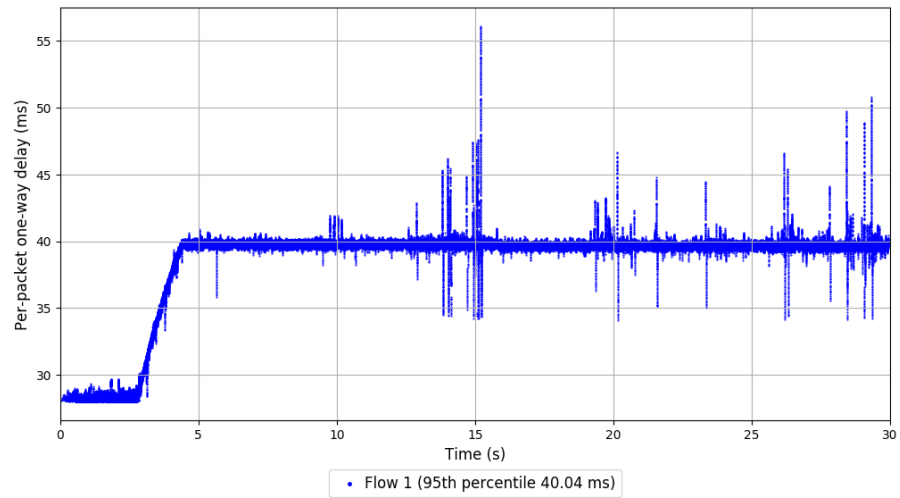
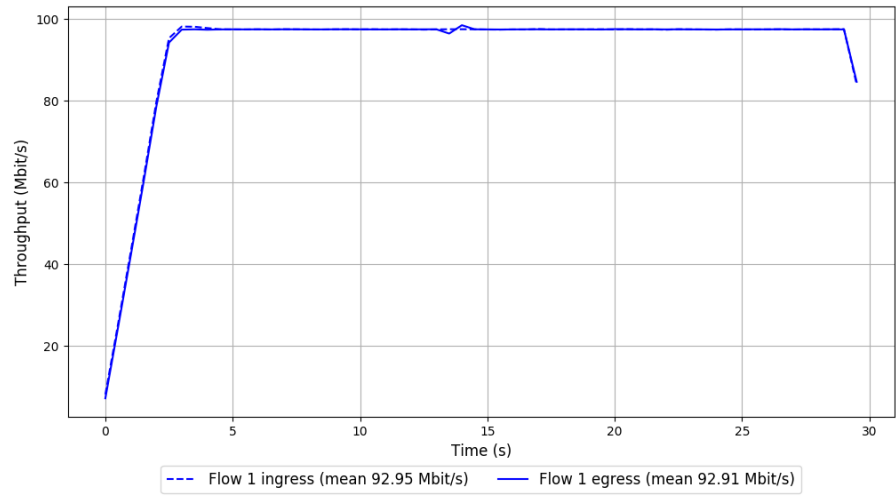


Run 5: Statistics of LEDBAT

Start at: 2017-08-21 19:30:47  
End at: 2017-08-21 19:31:17  
Local clock offset: -2.599 ms  
Remote clock offset: -13.838 ms

# Below is generated by plot.py at 2017-08-22 02:36:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.91 Mbit/s  
95th percentile per-packet one-way delay: 40.036 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 92.91 Mbit/s  
95th percentile per-packet one-way delay: 40.036 ms  
Loss rate: 0.13%

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



Run 6: Statistics of LEDBAT

Start at: 2017-08-21 19:48:54

End at: 2017-08-21 19:49:24

Local clock offset: 2.916 ms

Remote clock offset: -11.2 ms

# Below is generated by plot.py at 2017-08-22 02:36:59

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.90 Mbit/s

95th percentile per-packet one-way delay: 41.335 ms

Loss rate: 0.13%

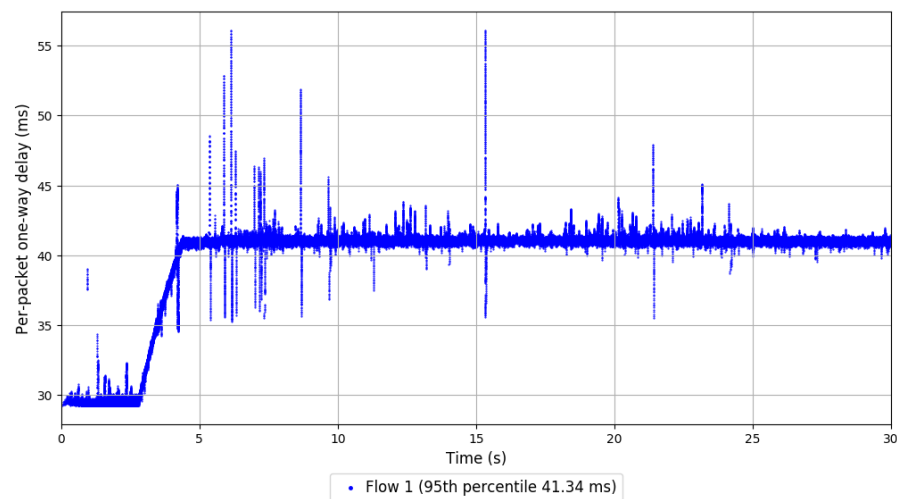
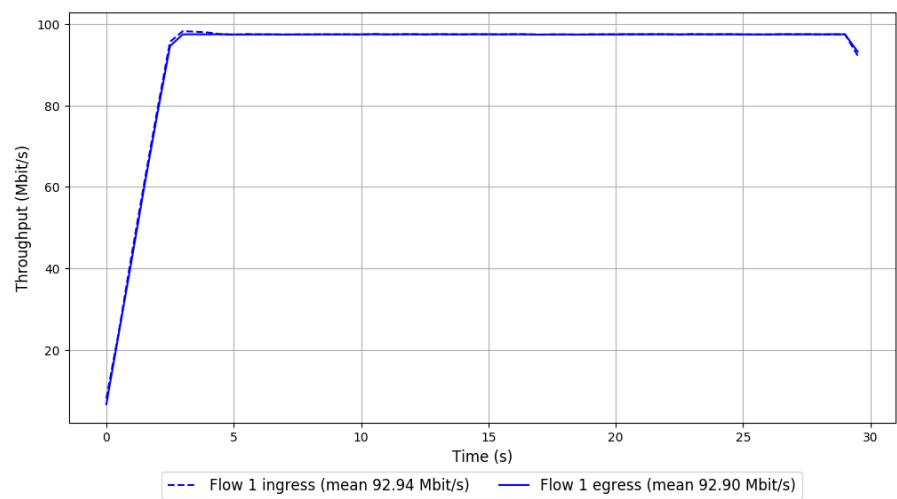
-- Flow 1:

Average throughput: 92.90 Mbit/s

95th percentile per-packet one-way delay: 41.335 ms

Loss rate: 0.13%

Run 6: Report of LEDBAT — Data Link



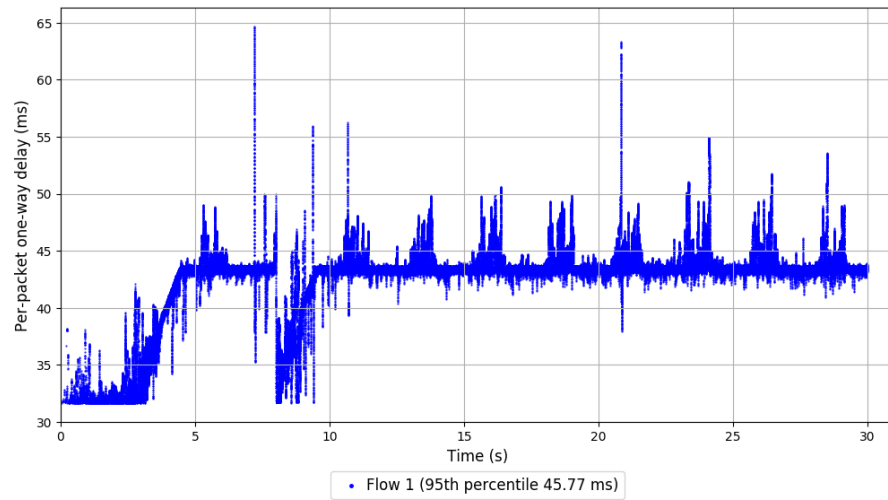
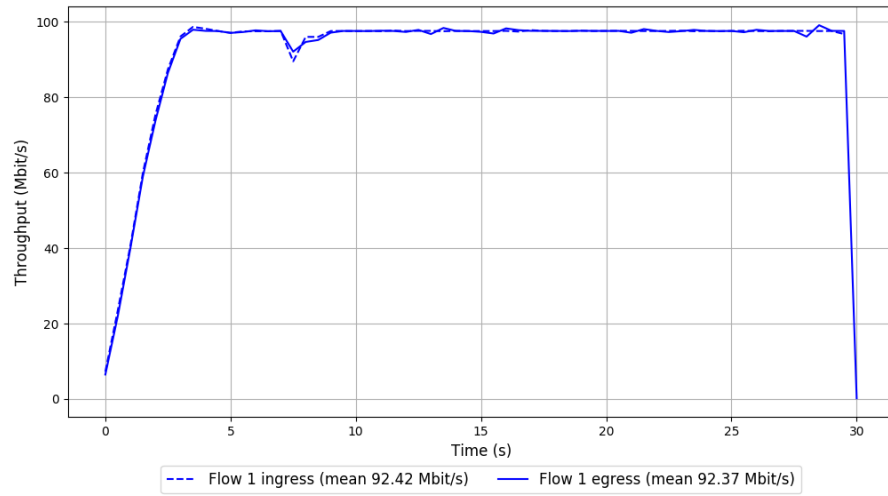
Run 7: Statistics of LEDBAT

Start at: 2017-08-21 20:07:53  
End at: 2017-08-21 20:08:23  
Local clock offset: 4.534 ms  
Remote clock offset: -13.294 ms

# Below is generated by plot.py at 2017-08-22 02:37:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.37 Mbit/s  
95th percentile per-packet one-way delay: 45.765 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 92.37 Mbit/s  
95th percentile per-packet one-way delay: 45.765 ms  
Loss rate: 0.14%



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



Run 8: Statistics of LEDBAT

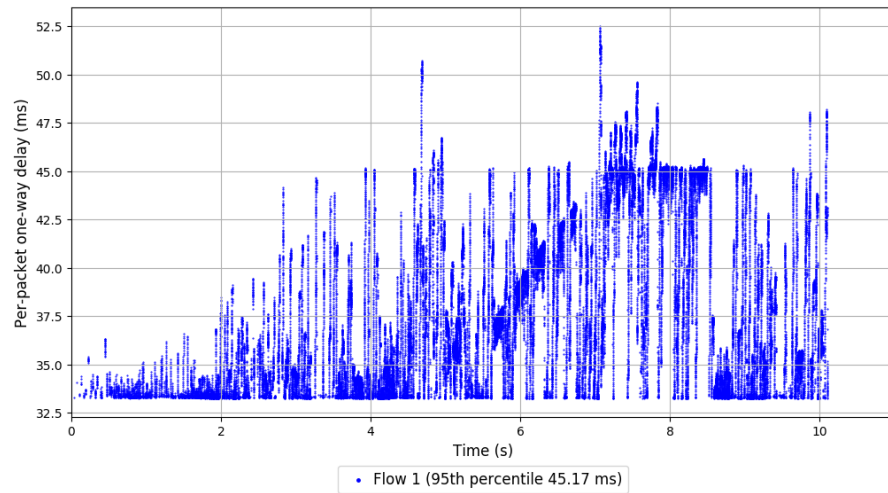
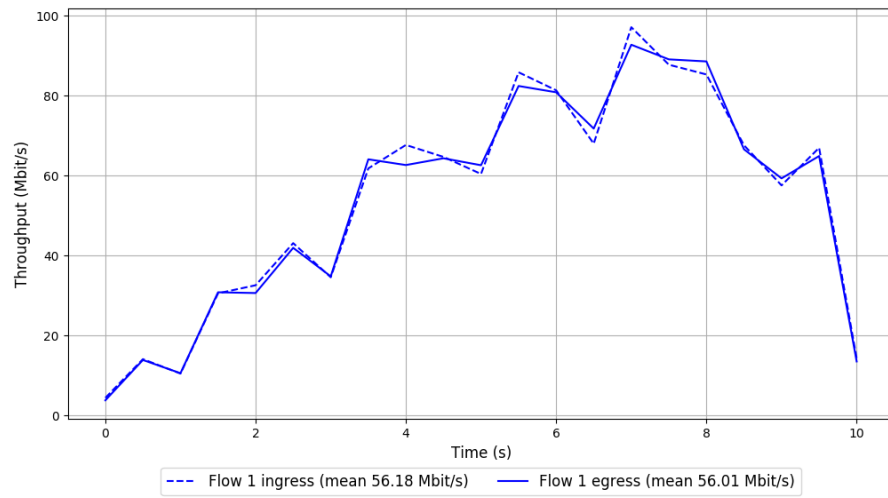
Start at: 2017-08-21 20:28:28

End at: 2017-08-21 20:28:58

Local clock offset: 5.434 ms

Remote clock offset: -14.362 ms

## Run 8: Report of LEDBAT — Data Link

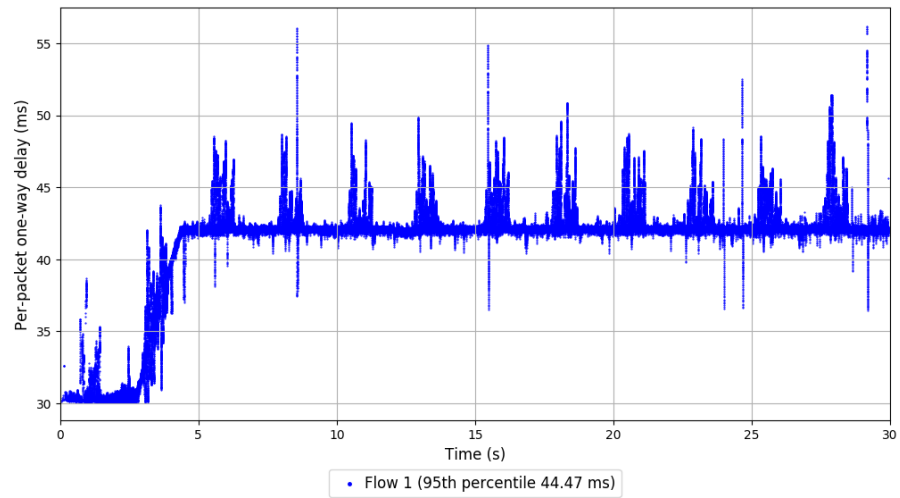
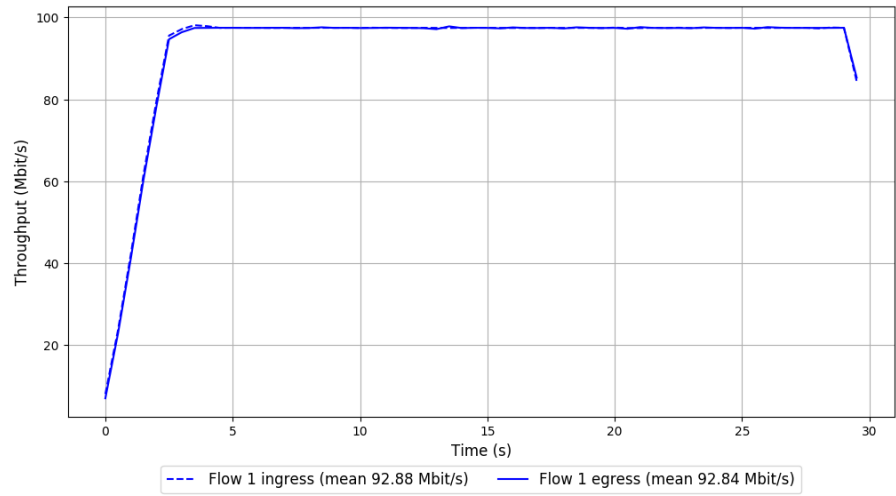


Run 9: Statistics of LEDBAT

Start at: 2017-08-21 20:48:22  
End at: 2017-08-21 20:48:52  
Local clock offset: 2.94 ms  
Remote clock offset: -12.845 ms

# Below is generated by plot.py at 2017-08-22 02:37:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.84 Mbit/s  
95th percentile per-packet one-way delay: 44.472 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 92.84 Mbit/s  
95th percentile per-packet one-way delay: 44.472 ms  
Loss rate: 0.13%

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

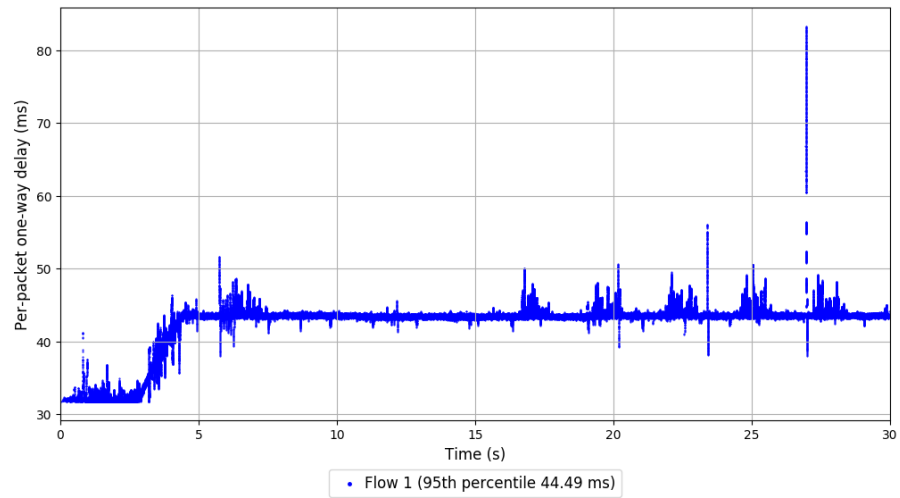
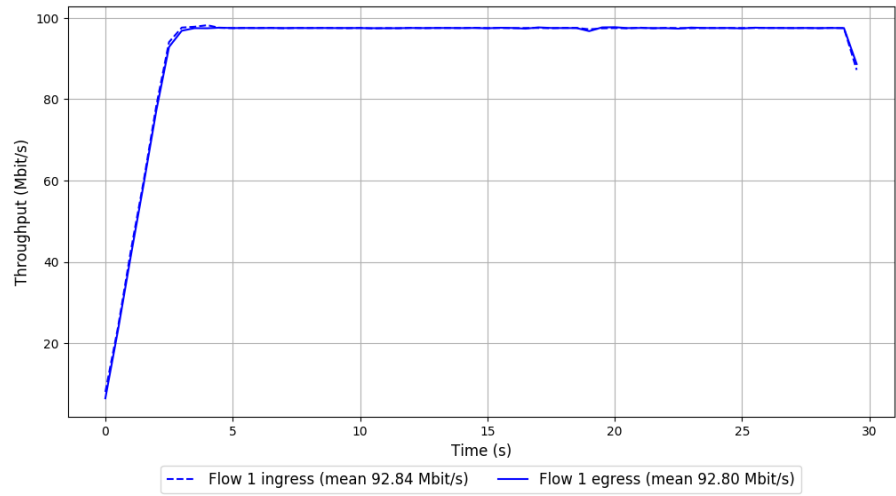


Run 10: Statistics of LEDBAT

Start at: 2017-08-21 21:08:15  
End at: 2017-08-21 21:08:45  
Local clock offset: 4.849 ms  
Remote clock offset: -13.066 ms

# Below is generated by plot.py at 2017-08-22 02:37:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.80 Mbit/s  
95th percentile per-packet one-way delay: 44.493 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 92.80 Mbit/s  
95th percentile per-packet one-way delay: 44.493 ms  
Loss rate: 0.13%

## Run 10: Report of LEDBAT — Data Link



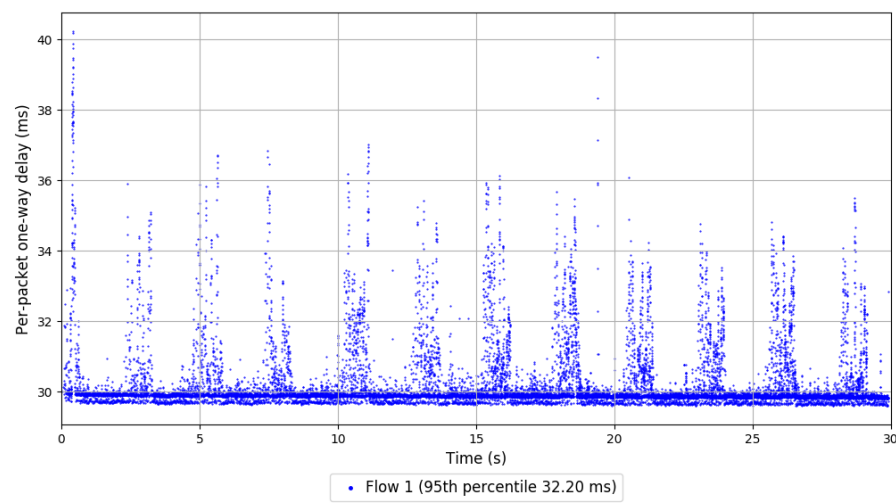
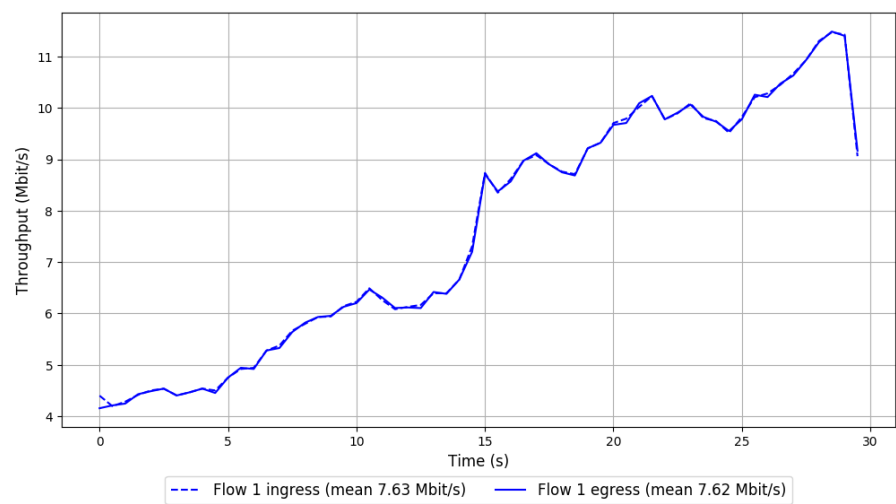
```
Run 1: Statistics of PCC

Start at: 2017-08-21 18:00:01
End at: 2017-08-21 18:00:31
Local clock offset: -4.811 ms
Remote clock offset: -13.597 ms

# Below is generated by plot.py at 2017-08-22 02:37:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.62 Mbit/s
95th percentile per-packet one-way delay: 32.198 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 7.62 Mbit/s
95th percentile per-packet one-way delay: 32.198 ms
Loss rate: 0.13%
```



Run 1: Report of PCC — Data Link

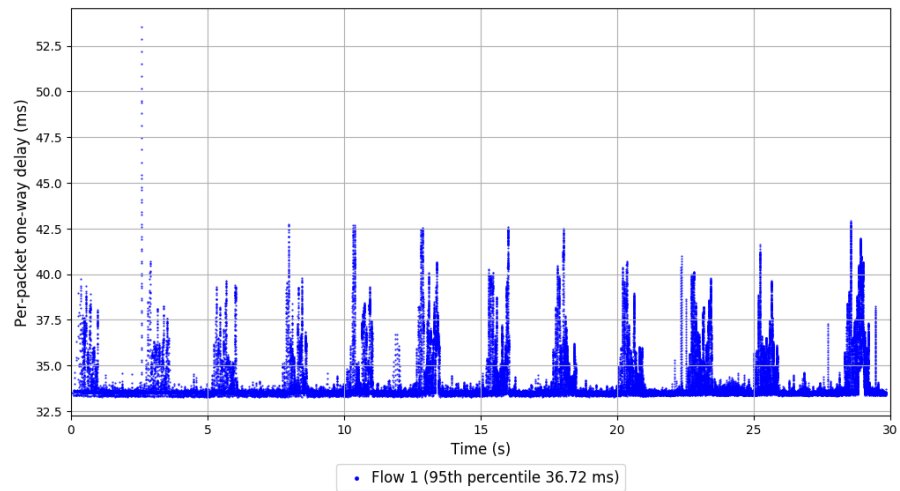
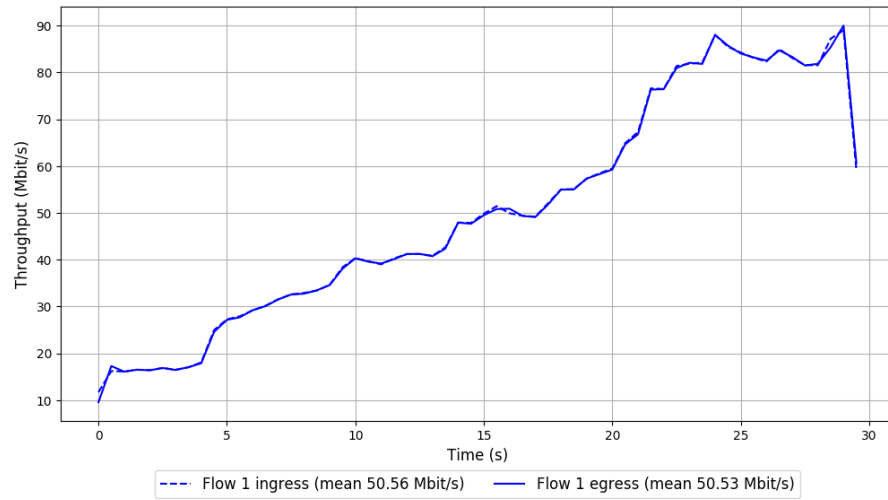


Run 2: Statistics of PCC

Start at: 2017-08-21 18:20:37  
End at: 2017-08-21 18:21:07  
Local clock offset: -2.098 ms  
Remote clock offset: -15.902 ms

# Below is generated by plot.py at 2017-08-22 02:37:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.53 Mbit/s  
95th percentile per-packet one-way delay: 36.717 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 50.53 Mbit/s  
95th percentile per-packet one-way delay: 36.717 ms  
Loss rate: 0.15%

## Run 2: Report of PCC — Data Link

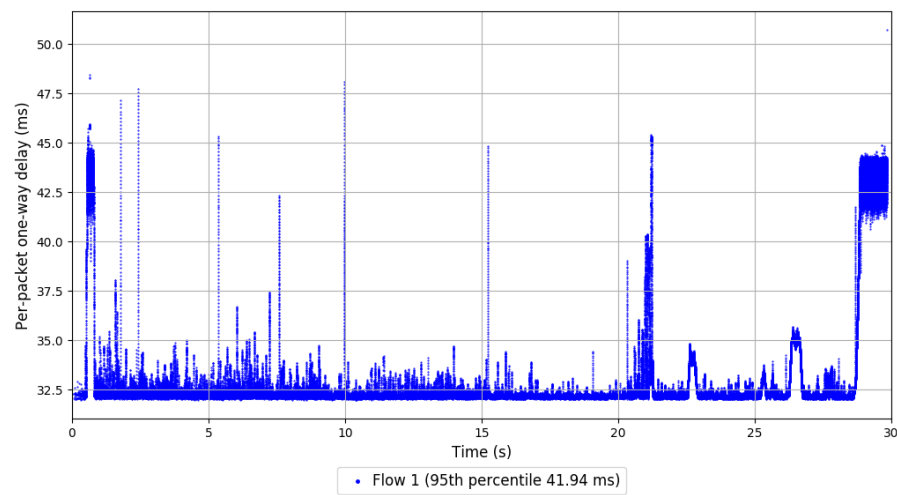
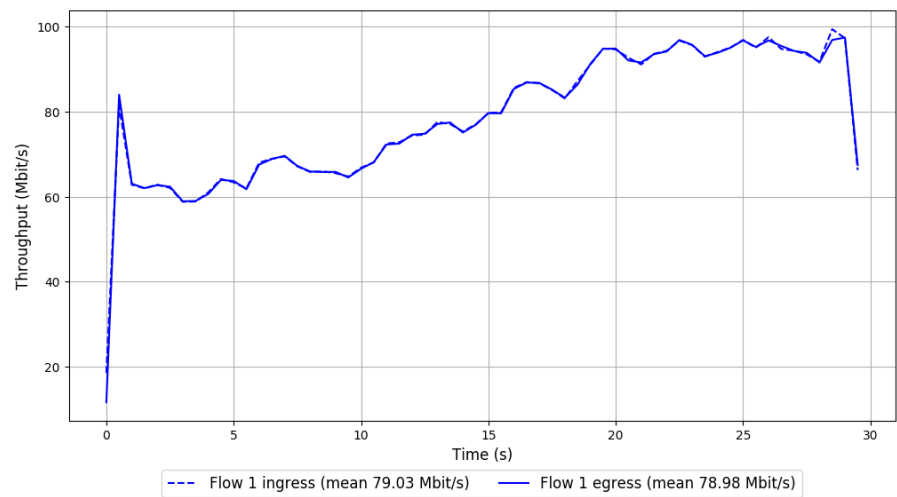


Run 3: Statistics of PCC

Start at: 2017-08-21 18:57:05  
End at: 2017-08-21 18:57:35  
Local clock offset: -2.46 ms  
Remote clock offset: -14.92 ms

# Below is generated by plot.py at 2017-08-22 02:37:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.98 Mbit/s  
95th percentile per-packet one-way delay: 41.936 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 78.98 Mbit/s  
95th percentile per-packet one-way delay: 41.936 ms  
Loss rate: 0.15%

Run 3: Report of PCC — Data Link

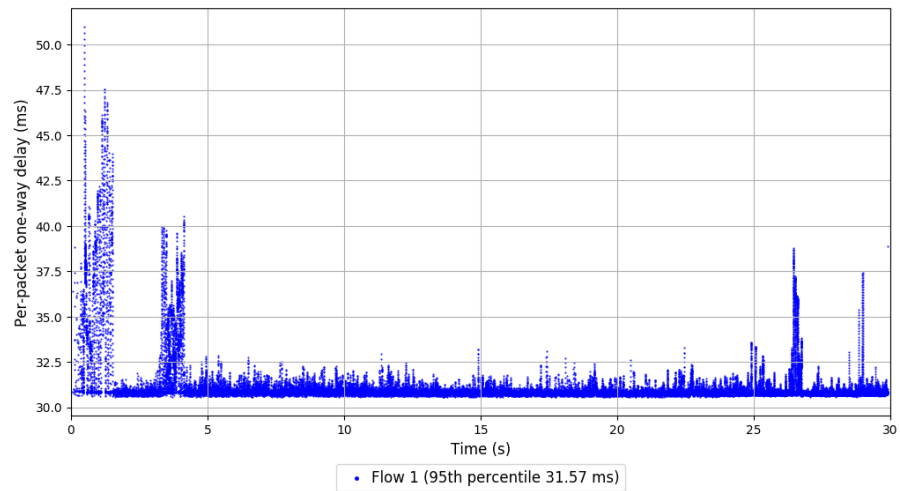
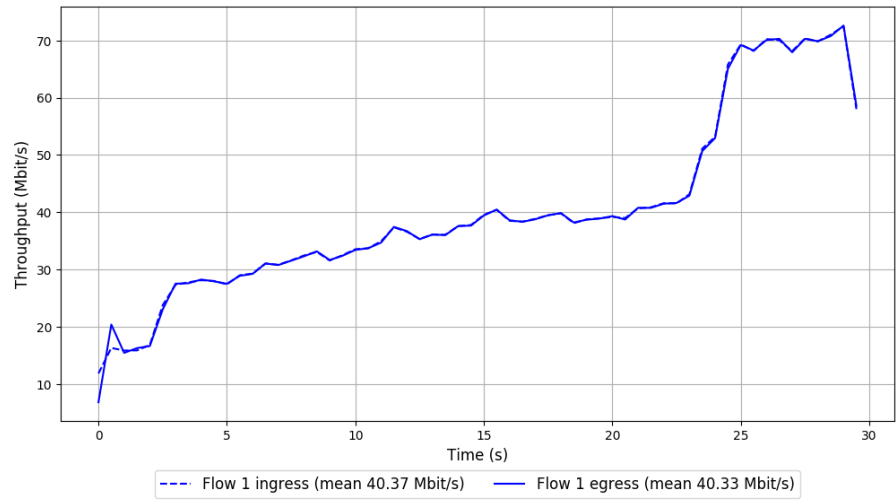


Run 4: Statistics of PCC

Start at: 2017-08-21 19:16:31  
End at: 2017-08-21 19:17:01  
Local clock offset: -0.607 ms  
Remote clock offset: -13.242 ms

# Below is generated by plot.py at 2017-08-22 02:37:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 40.33 Mbit/s  
95th percentile per-packet one-way delay: 31.567 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 40.33 Mbit/s  
95th percentile per-packet one-way delay: 31.567 ms  
Loss rate: 0.16%

#### Run 4: Report of PCC — Data Link



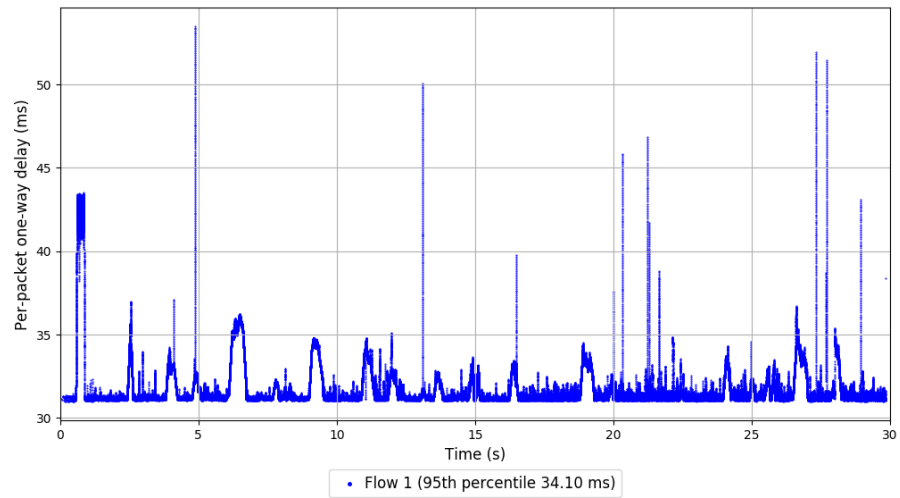
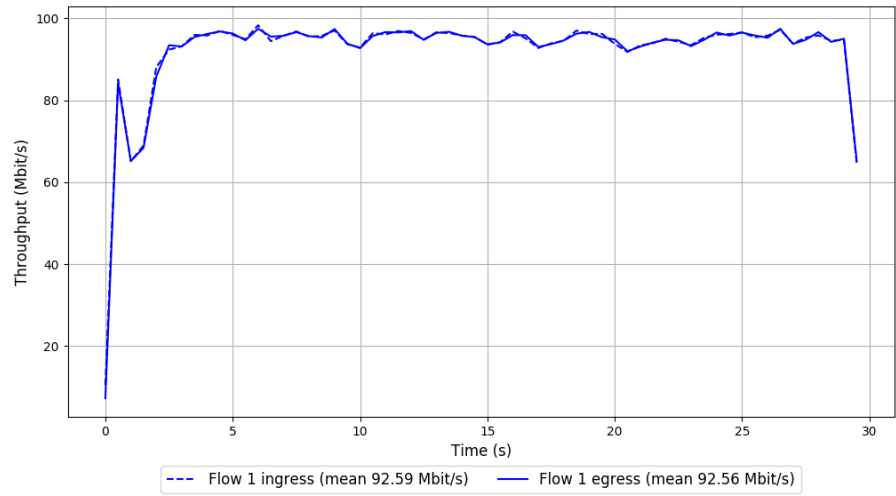
Run 5: Statistics of PCC

Start at: 2017-08-21 19:34:25  
End at: 2017-08-21 19:34:55  
Local clock offset: 0.975 ms  
Remote clock offset: -13.794 ms

# Below is generated by plot.py at 2017-08-22 02:37:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.56 Mbit/s  
95th percentile per-packet one-way delay: 34.105 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 92.56 Mbit/s  
95th percentile per-packet one-way delay: 34.105 ms  
Loss rate: 0.10%



### Run 5: Report of PCC — Data Link

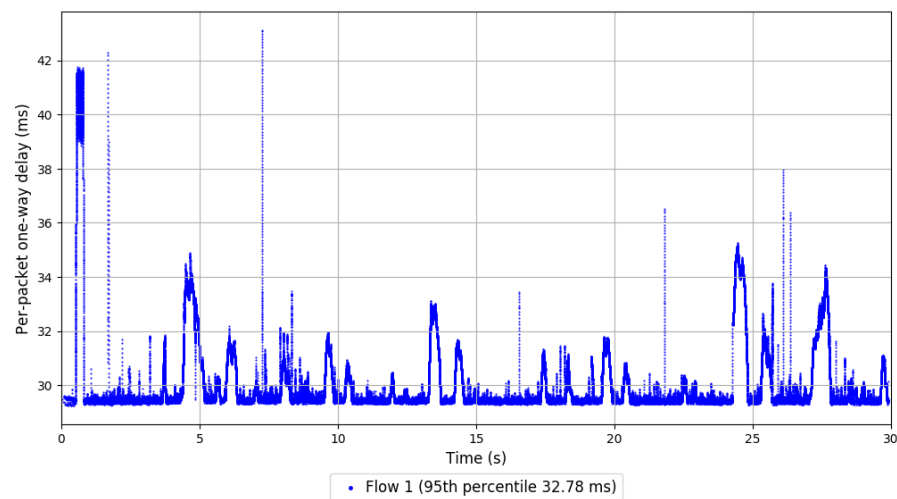
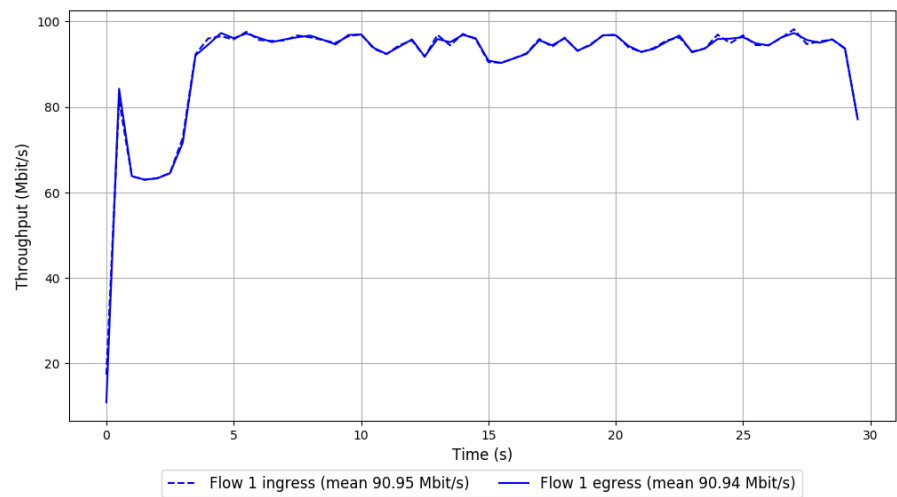


Run 6: Statistics of PCC

Start at: 2017-08-21 19:52:28  
End at: 2017-08-21 19:52:58  
Local clock offset: 2.715 ms  
Remote clock offset: -11.895 ms

# Below is generated by plot.py at 2017-08-22 02:37:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.94 Mbit/s  
95th percentile per-packet one-way delay: 32.782 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 90.94 Mbit/s  
95th percentile per-packet one-way delay: 32.782 ms  
Loss rate: 0.10%

Run 6: Report of PCC — Data Link

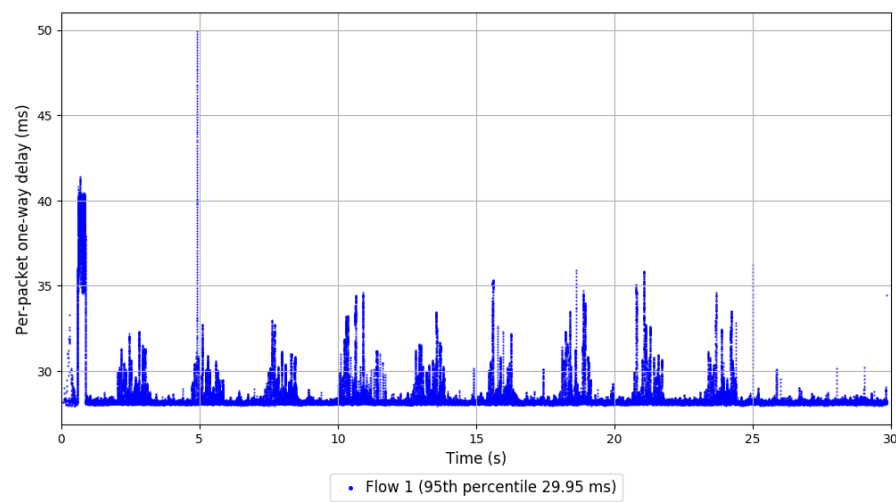
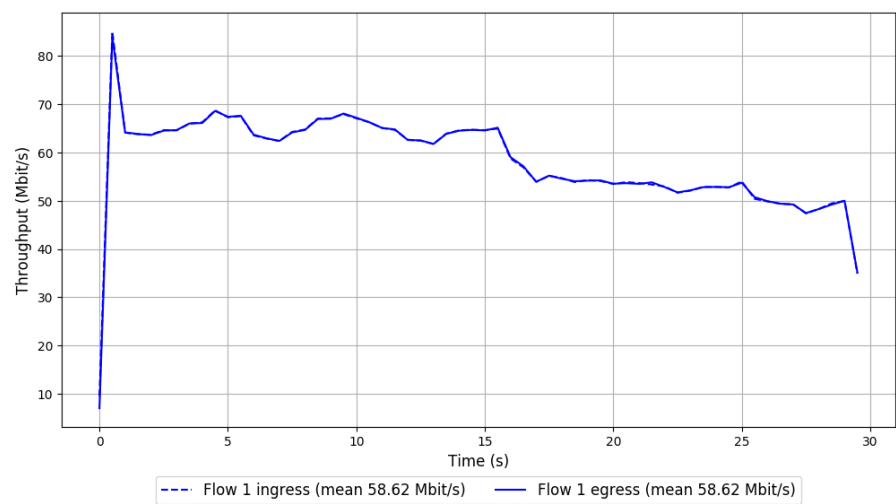


Run 7: Statistics of PCC

Start at: 2017-08-21 20:12:15  
End at: 2017-08-21 20:12:45  
Local clock offset: 2.273 ms  
Remote clock offset: -11.898 ms

# Below is generated by plot.py at 2017-08-22 02:37:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 58.62 Mbit/s  
95th percentile per-packet one-way delay: 29.955 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 58.62 Mbit/s  
95th percentile per-packet one-way delay: 29.955 ms  
Loss rate: 0.08%

Run 7: Report of PCC — Data Link

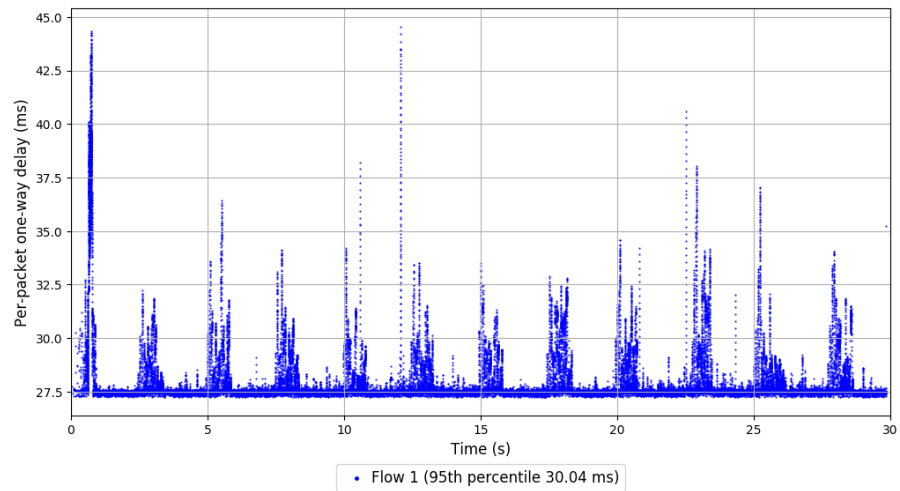
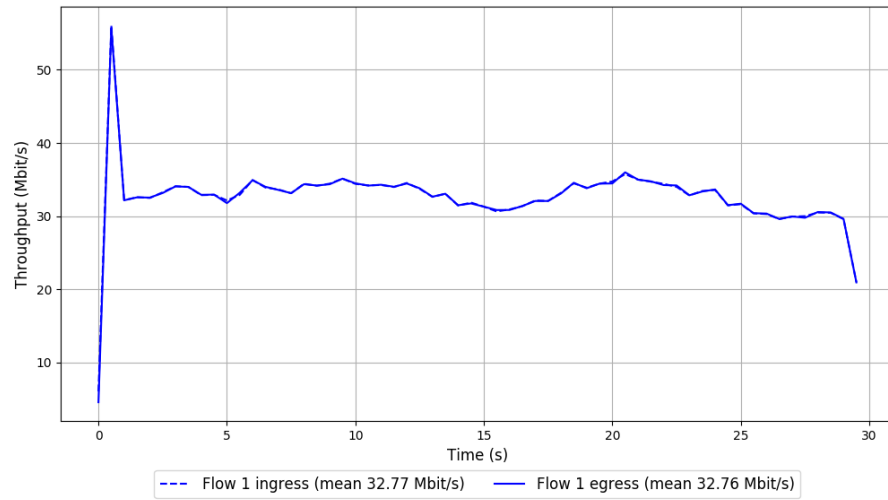


Run 8: Statistics of PCC

Start at: 2017-08-21 20:32:49  
End at: 2017-08-21 20:33:19  
Local clock offset: 2.03 ms  
Remote clock offset: -12.186 ms

# Below is generated by plot.py at 2017-08-22 02:37:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 32.76 Mbit/s  
95th percentile per-packet one-way delay: 30.035 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 32.76 Mbit/s  
95th percentile per-packet one-way delay: 30.035 ms  
Loss rate: 0.09%

## Run 8: Report of PCC — Data Link



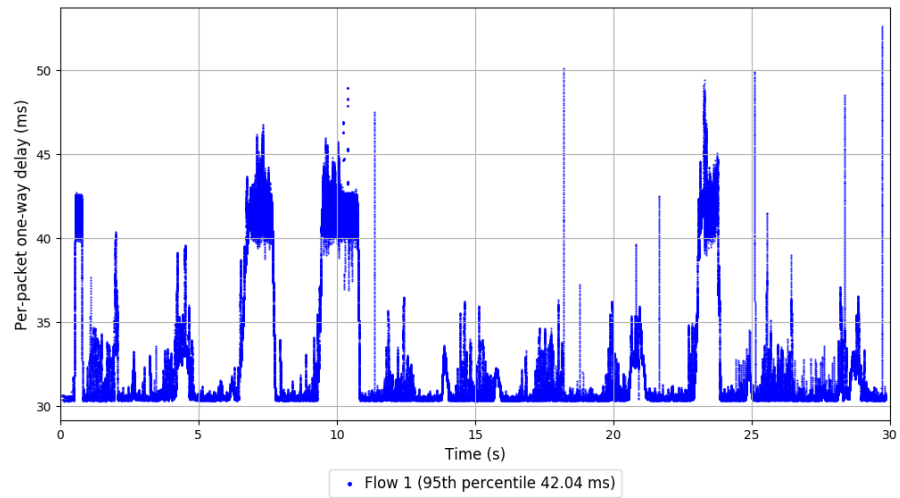
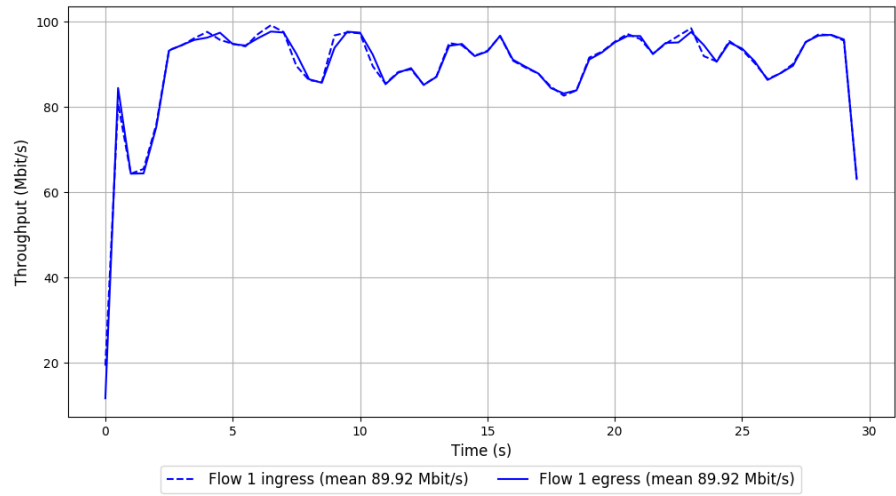
Run 9: Statistics of PCC

Start at: 2017-08-21 20:52:49  
End at: 2017-08-21 20:53:19  
Local clock offset: 2.531 ms  
Remote clock offset: -13.45 ms

# Below is generated by plot.py at 2017-08-22 02:38:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.92 Mbit/s  
95th percentile per-packet one-way delay: 42.038 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 89.92 Mbit/s  
95th percentile per-packet one-way delay: 42.038 ms  
Loss rate: 0.11%



### Run 9: Report of PCC — Data Link

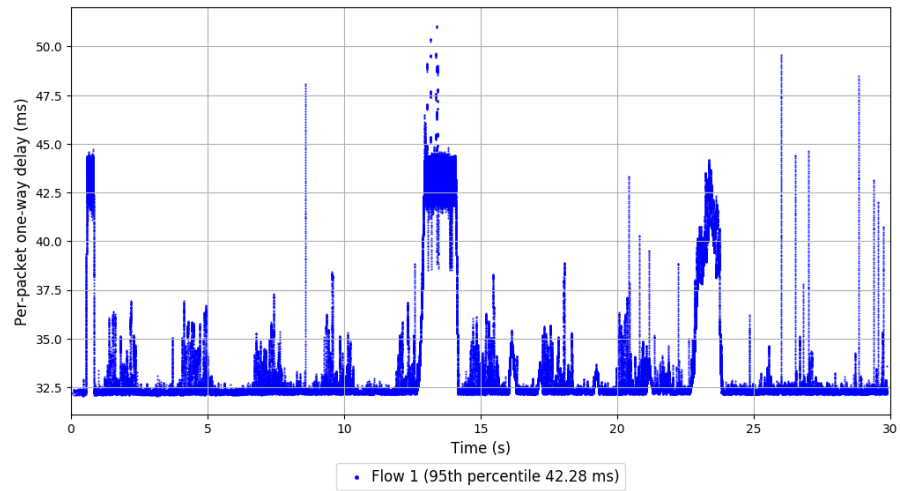
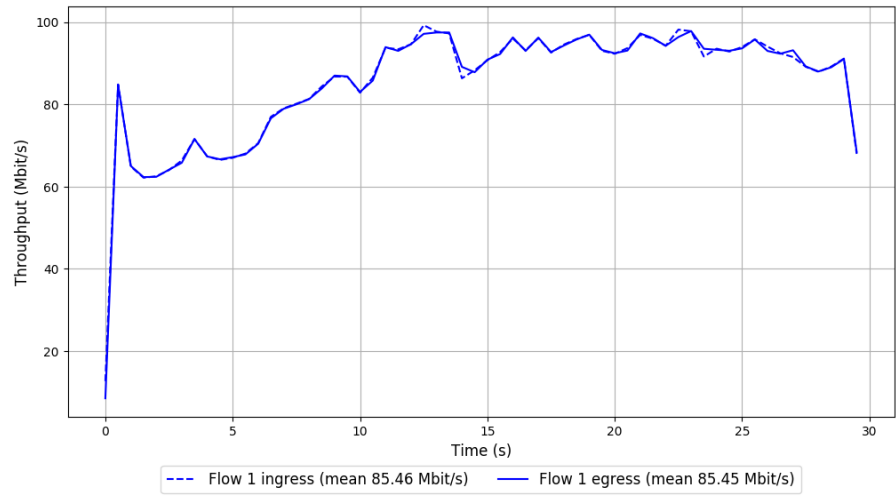


Run 10: Statistics of PCC

Start at: 2017-08-21 21:12:47  
End at: 2017-08-21 21:13:17  
Local clock offset: 6.492 ms  
Remote clock offset: -11.867 ms

# Below is generated by plot.py at 2017-08-22 02:38:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.45 Mbit/s  
95th percentile per-packet one-way delay: 42.277 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 85.45 Mbit/s  
95th percentile per-packet one-way delay: 42.277 ms  
Loss rate: 0.11%

### Run 10: Report of PCC — Data Link

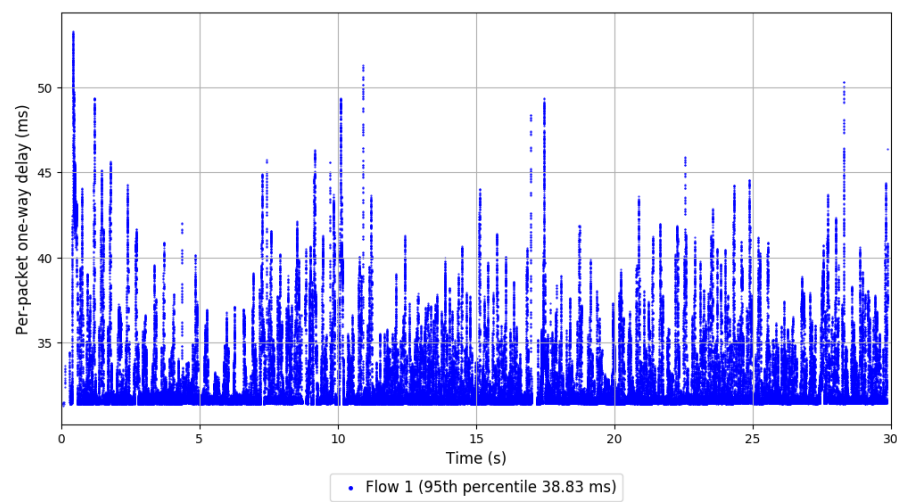
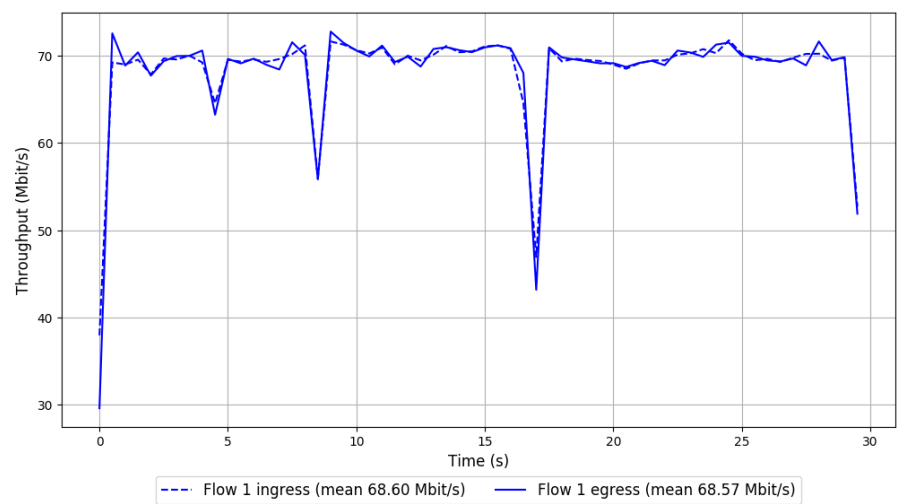


Run 1: Statistics of QUIC Cubic

Start at: 2017-08-21 17:53:43  
End at: 2017-08-21 17:54:13  
Local clock offset: -2.972 ms  
Remote clock offset: -13.372 ms

# Below is generated by plot.py at 2017-08-22 02:38:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.57 Mbit/s  
95th percentile per-packet one-way delay: 38.825 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 68.57 Mbit/s  
95th percentile per-packet one-way delay: 38.825 ms  
Loss rate: 0.13%

Run 1: Report of QUIC Cubic — Data Link

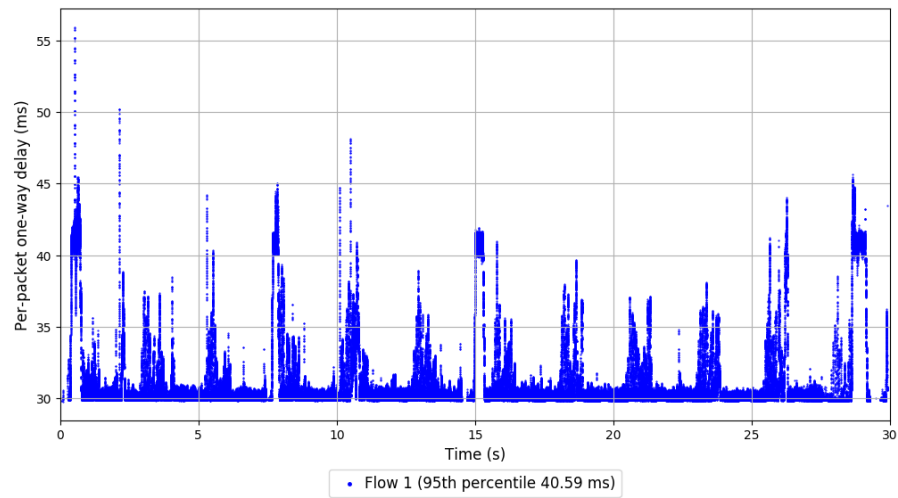
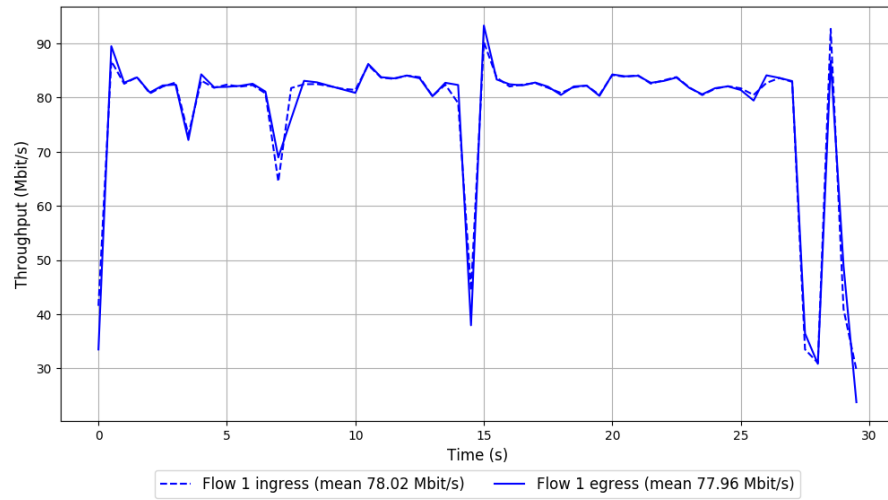


Run 2: Statistics of QUIC Cubic

Start at: 2017-08-21 18:17:34  
End at: 2017-08-21 18:18:04  
Local clock offset: -2.126 ms  
Remote clock offset: -12.128 ms

# Below is generated by plot.py at 2017-08-22 02:38:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.96 Mbit/s  
95th percentile per-packet one-way delay: 40.592 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 77.96 Mbit/s  
95th percentile per-packet one-way delay: 40.592 ms  
Loss rate: 0.13%

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



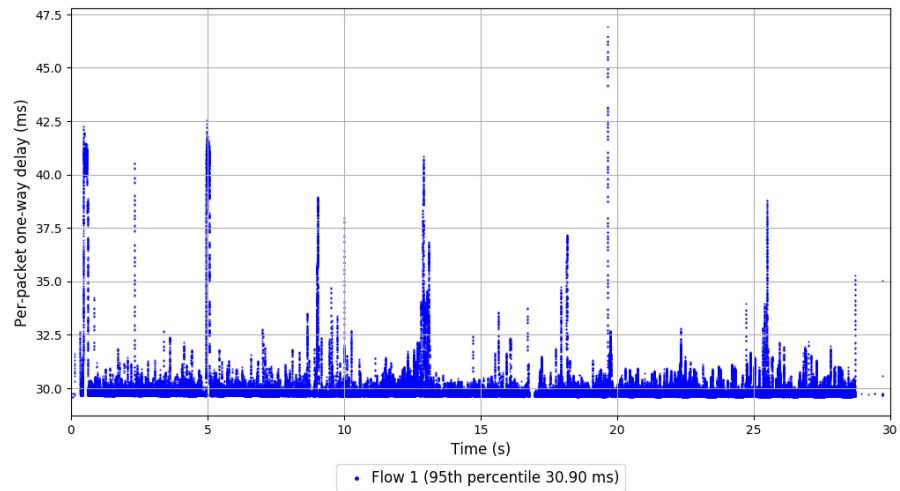
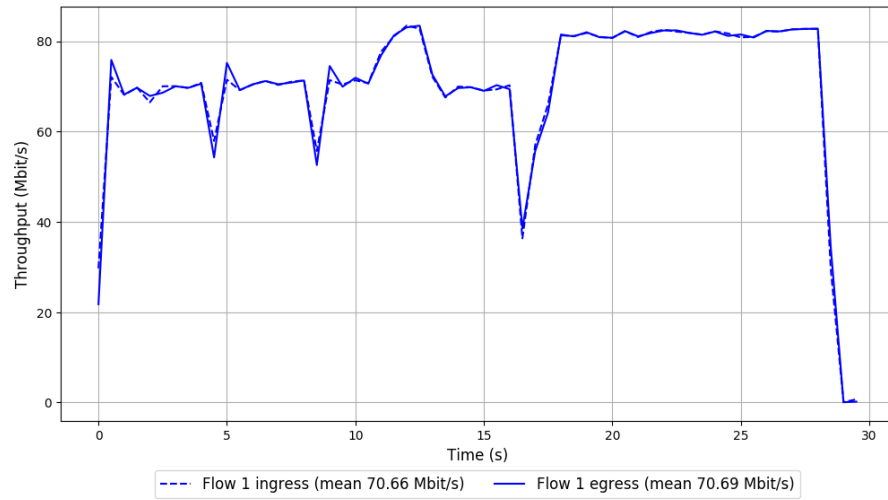
Run 3: Statistics of QUIC Cubic

Start at: 2017-08-21 18:54:10  
End at: 2017-08-21 18:54:40  
Local clock offset: -3.476 ms  
Remote clock offset: -13.161 ms

# Below is generated by plot.py at 2017-08-22 02:38:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.69 Mbit/s  
95th percentile per-packet one-way delay: 30.900 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 70.69 Mbit/s  
95th percentile per-packet one-way delay: 30.900 ms  
Loss rate: 0.01%



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

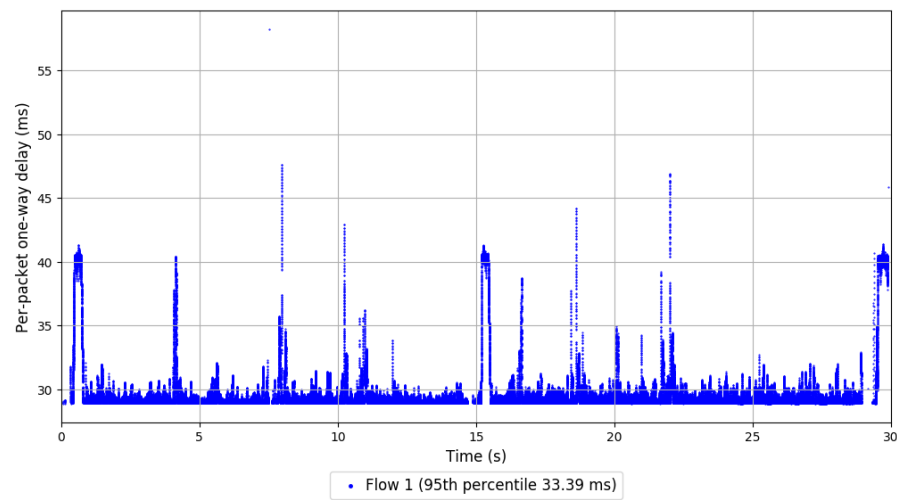
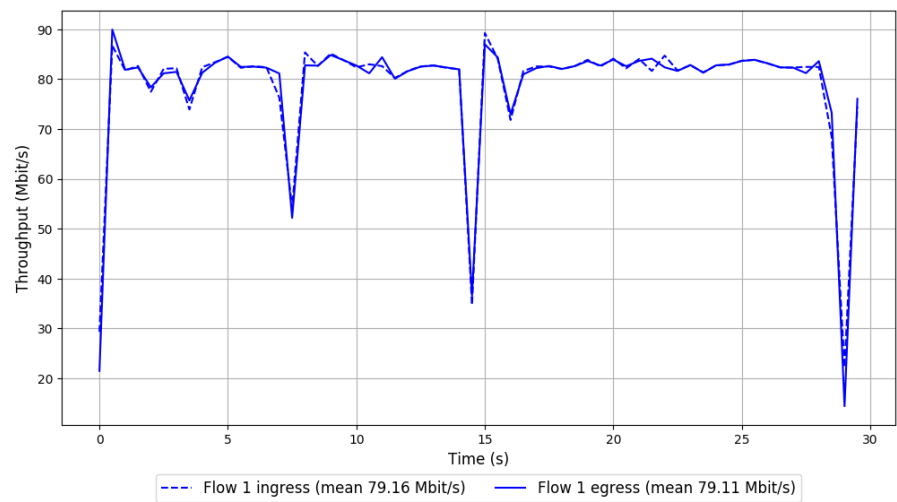


Run 4: Statistics of QUIC Cubic

Start at: 2017-08-21 19:13:49  
End at: 2017-08-21 19:14:19  
Local clock offset: -2.951 ms  
Remote clock offset: -13.509 ms

# Below is generated by plot.py at 2017-08-22 02:38:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.11 Mbit/s  
95th percentile per-packet one-way delay: 33.388 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 79.11 Mbit/s  
95th percentile per-packet one-way delay: 33.388 ms  
Loss rate: 0.13%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2017-08-21 19:32:05

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

Local clock offset: 1.049 ms

Remote clock offset: -12.5 ms

# Below is generated by plot.py at 2017-08-22 02:38:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.01 Mbit/s

95th percentile per-packet one-way delay: 31.216 ms

Loss rate: 0.09%

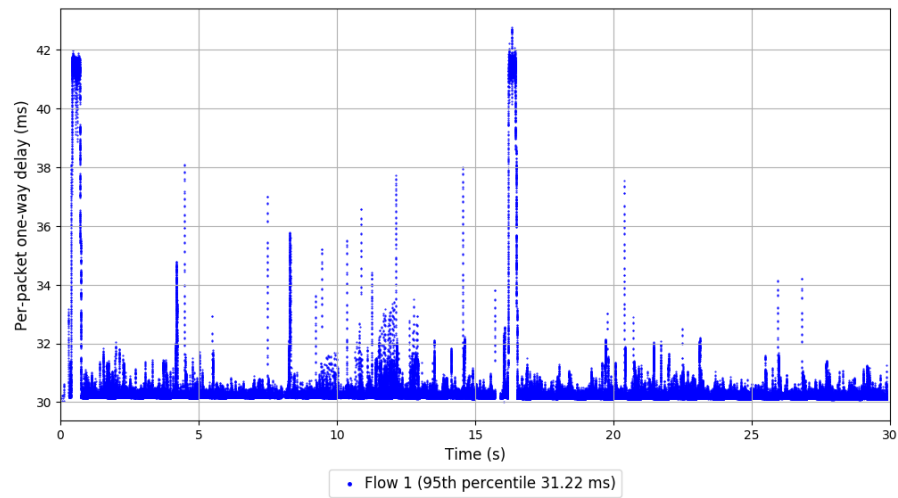
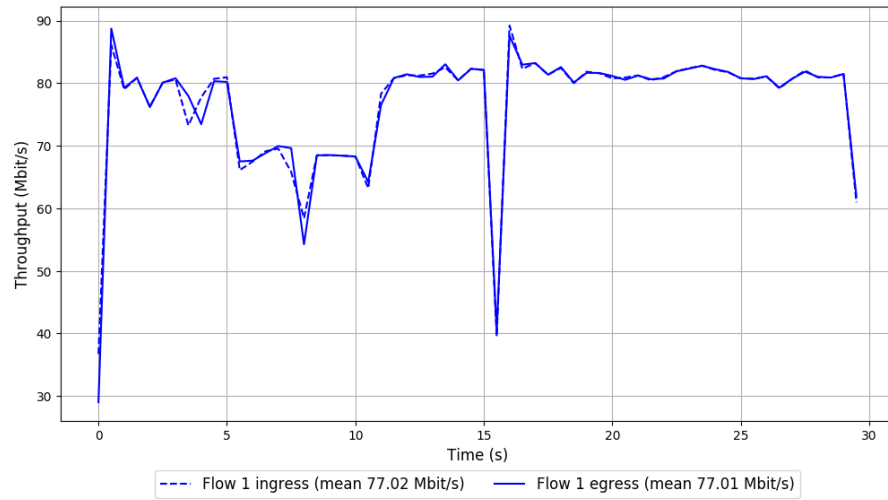
-- Flow 1:

Average throughput: 77.01 Mbit/s

95th percentile per-packet one-way delay: 31.216 ms

Loss rate: 0.09%

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

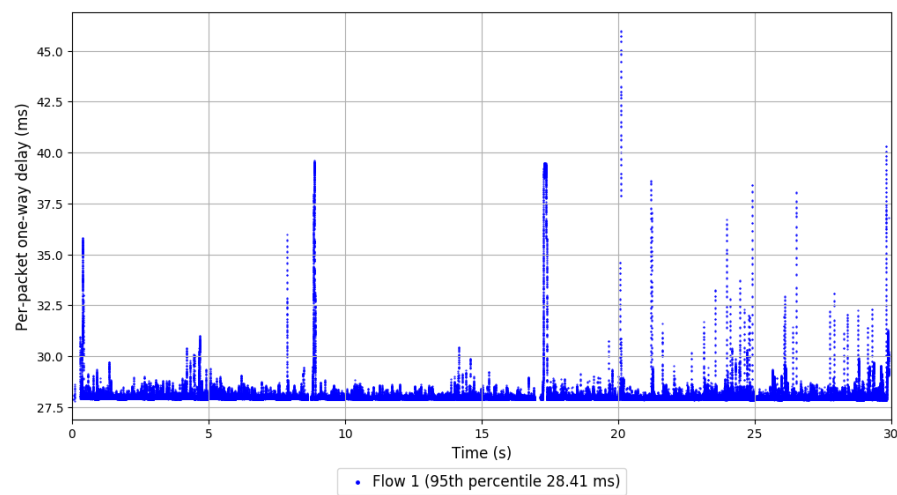
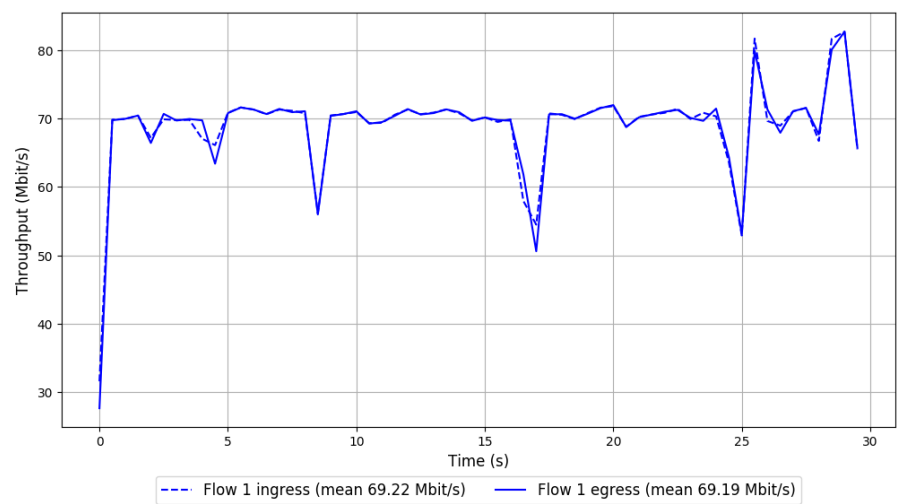


Run 6: Statistics of QUIC Cubic

Start at: 2017-08-21 19:50:12  
End at: 2017-08-21 19:50:42  
Local clock offset: -1.009 ms  
Remote clock offset: -13.903 ms

# Below is generated by plot.py at 2017-08-22 02:38:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 69.19 Mbit/s  
95th percentile per-packet one-way delay: 28.409 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 69.19 Mbit/s  
95th percentile per-packet one-way delay: 28.409 ms  
Loss rate: 0.11%

Run 6: Report of QUIC Cubic — Data Link



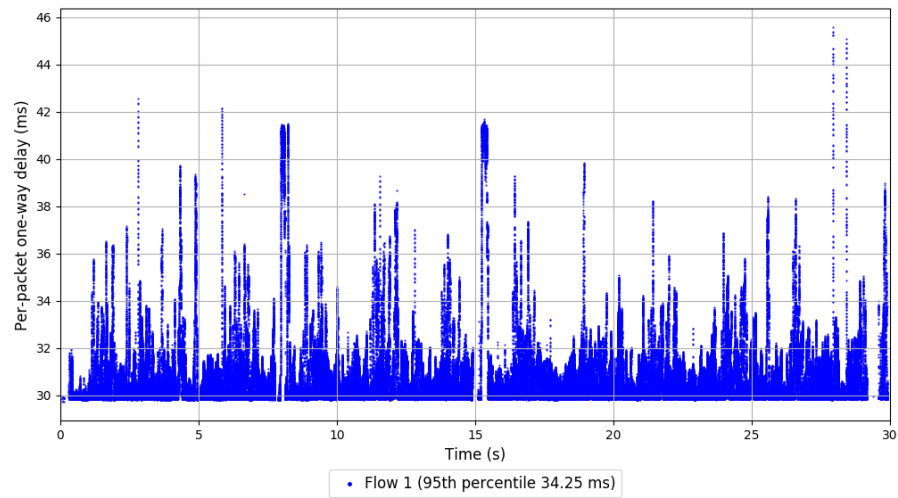
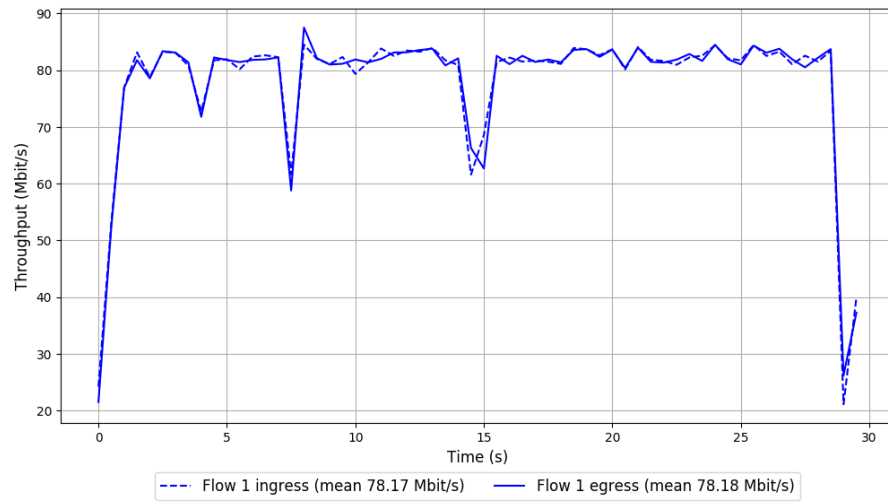
Run 7: Statistics of QUIC Cubic

Start at: 2017-08-21 20:09:27  
End at: 2017-08-21 20:09:58  
Local clock offset: 2.1 ms  
Remote clock offset: -13.809 ms

# Below is generated by plot.py at 2017-08-22 02:38:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.18 Mbit/s  
95th percentile per-packet one-way delay: 34.250 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 78.18 Mbit/s  
95th percentile per-packet one-way delay: 34.250 ms  
Loss rate: 0.06%



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

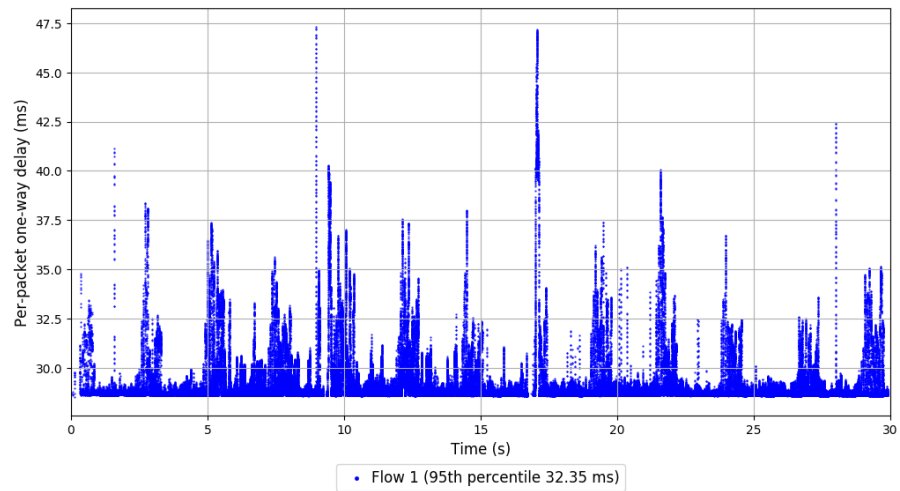
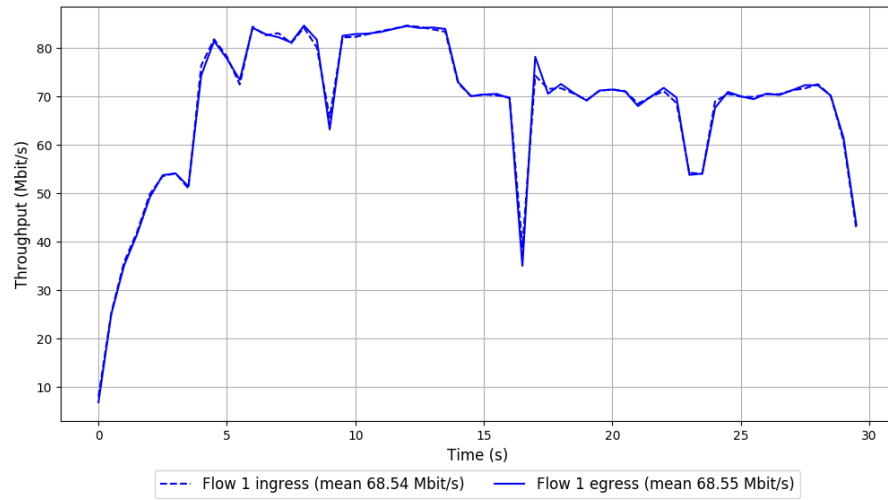


Run 8: Statistics of QUIC Cubic

Start at: 2017-08-21 20:29:40  
End at: 2017-08-21 20:30:10  
Local clock offset: 0.417 ms  
Remote clock offset: -14.786 ms

# Below is generated by plot.py at 2017-08-22 02:38:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.55 Mbit/s  
95th percentile per-packet one-way delay: 32.350 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 68.55 Mbit/s  
95th percentile per-packet one-way delay: 32.350 ms  
Loss rate: 0.06%

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

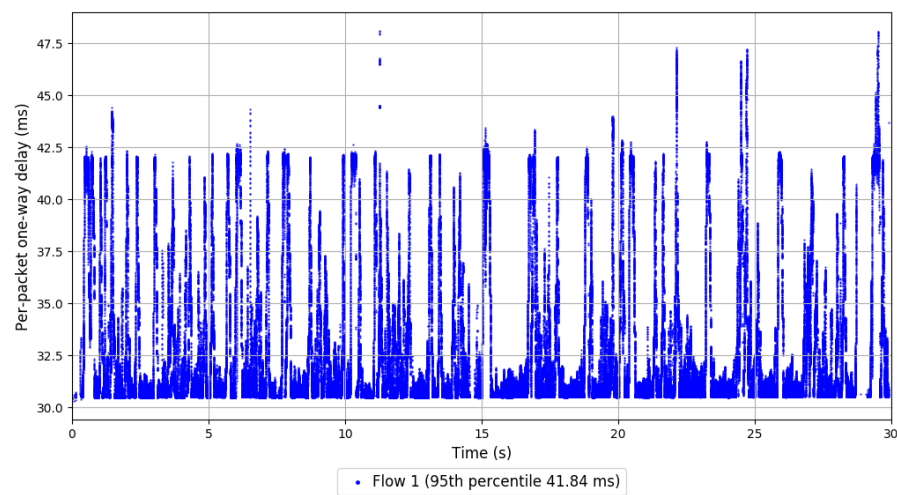
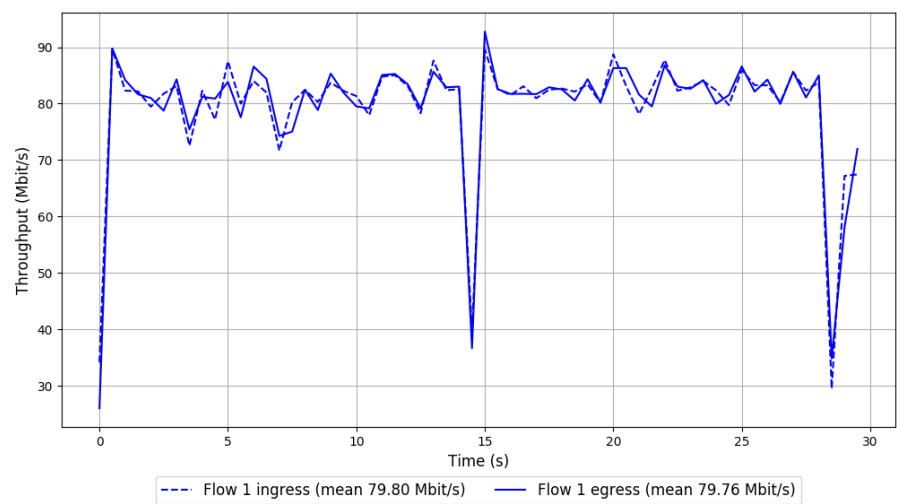


Run 9: Statistics of QUIC Cubic

Start at: 2017-08-21 20:49:57  
End at: 2017-08-21 20:50:27  
Local clock offset: 4.928 ms  
Remote clock offset: -11.098 ms

# Below is generated by plot.py at 2017-08-22 02:38:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.76 Mbit/s  
95th percentile per-packet one-way delay: 41.840 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 79.76 Mbit/s  
95th percentile per-packet one-way delay: 41.840 ms  
Loss rate: 0.10%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2017-08-21 21:09:42

End at: 2017-08-21 21:10:12

Local clock offset: 1.92 ms

Remote clock offset: -12.071 ms

# Below is generated by plot.py at 2017-08-22 02:39:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.82 Mbit/s

95th percentile per-packet one-way delay: 30.239 ms

Loss rate: 0.09%

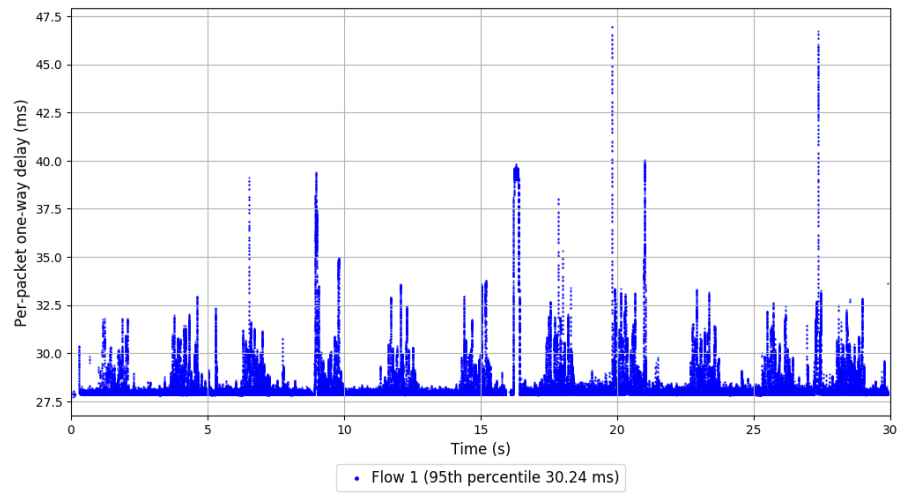
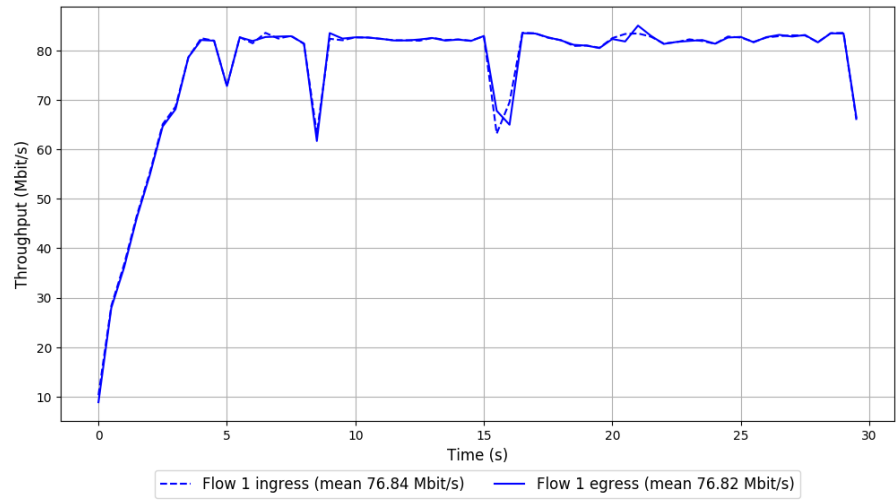
-- Flow 1:

Average throughput: 76.82 Mbit/s

95th percentile per-packet one-way delay: 30.239 ms

Loss rate: 0.09%

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



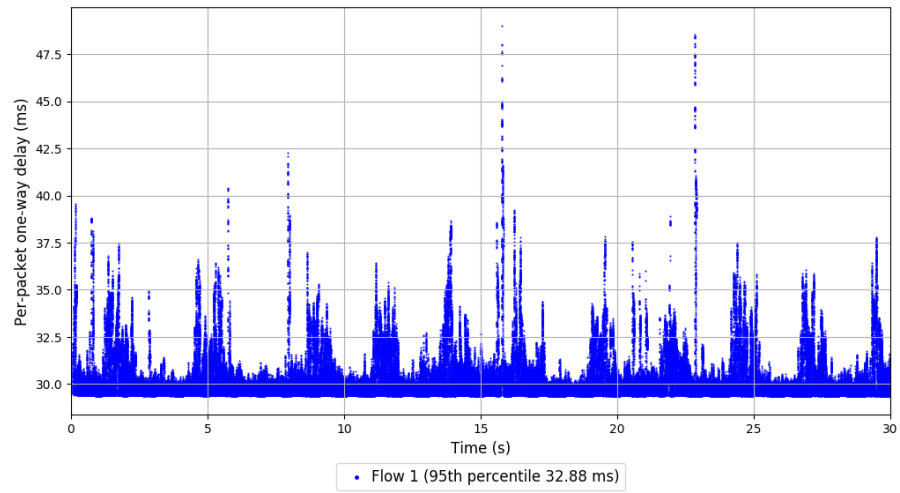
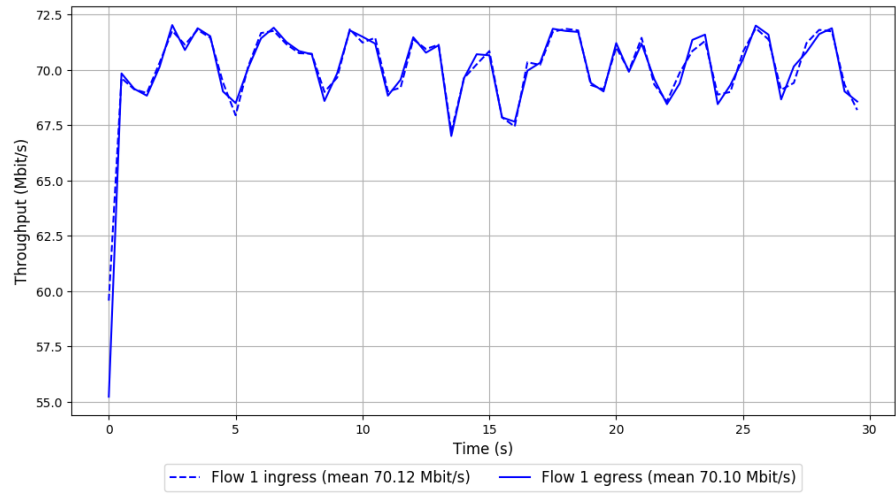
Run 1: Statistics of Saturator

Start at: 2017-08-21 18:10:39  
End at: 2017-08-21 18:11:09  
Local clock offset: -4.549 ms  
Remote clock offset: -13.604 ms

# Below is generated by plot.py at 2017-08-22 02:39:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.10 Mbit/s  
95th percentile per-packet one-way delay: 32.885 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 70.10 Mbit/s  
95th percentile per-packet one-way delay: 32.885 ms  
Loss rate: 0.10%



# Run 1: Report of Saturator — Data Link

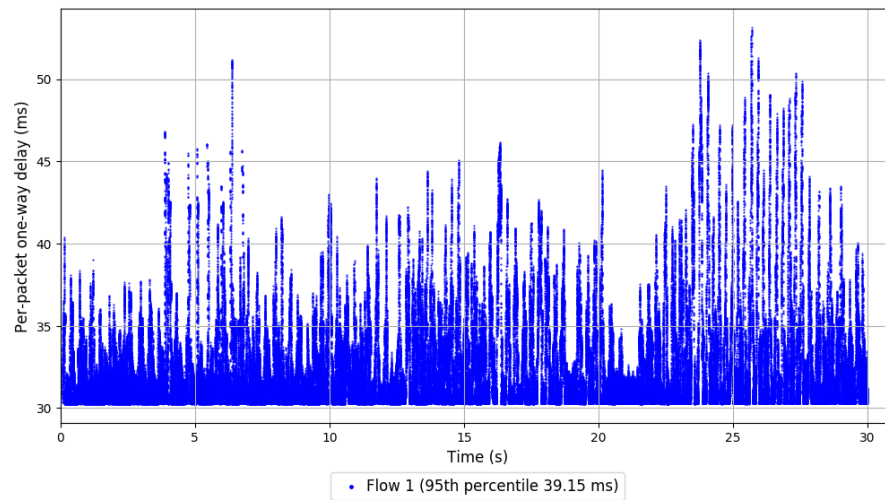
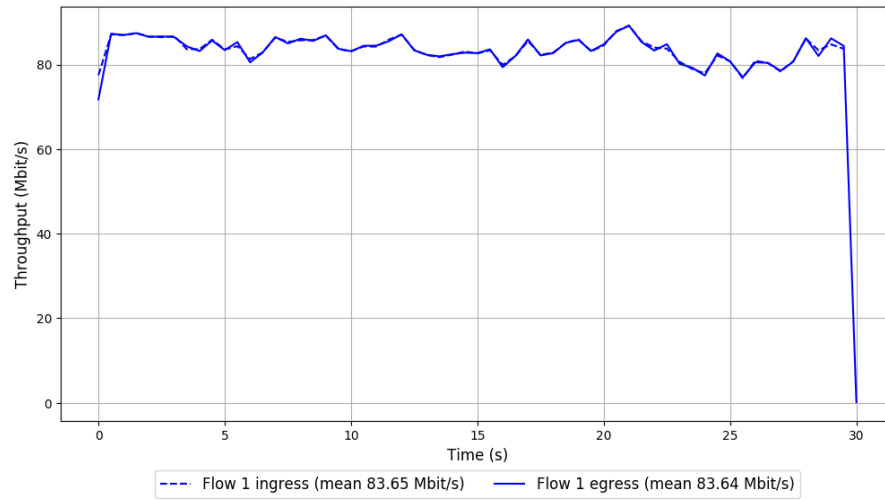


Run 2: Statistics of Saturator

Start at: 2017-08-21 18:41:12  
End at: 2017-08-21 18:41:42  
Local clock offset: -3.512 ms  
Remote clock offset: -13.848 ms

# Below is generated by plot.py at 2017-08-22 02:39:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.64 Mbit/s  
95th percentile per-packet one-way delay: 39.146 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 83.64 Mbit/s  
95th percentile per-packet one-way delay: 39.146 ms  
Loss rate: 0.09%

## Run 2: Report of Saturator — Data Link

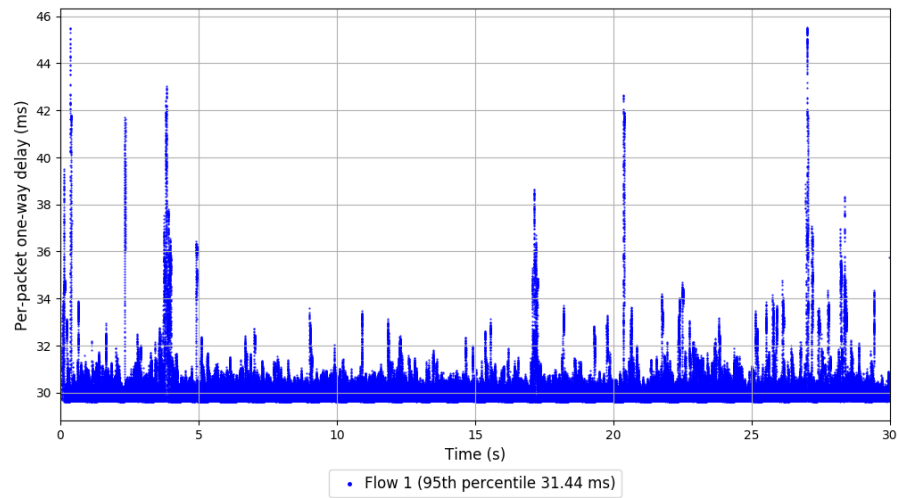
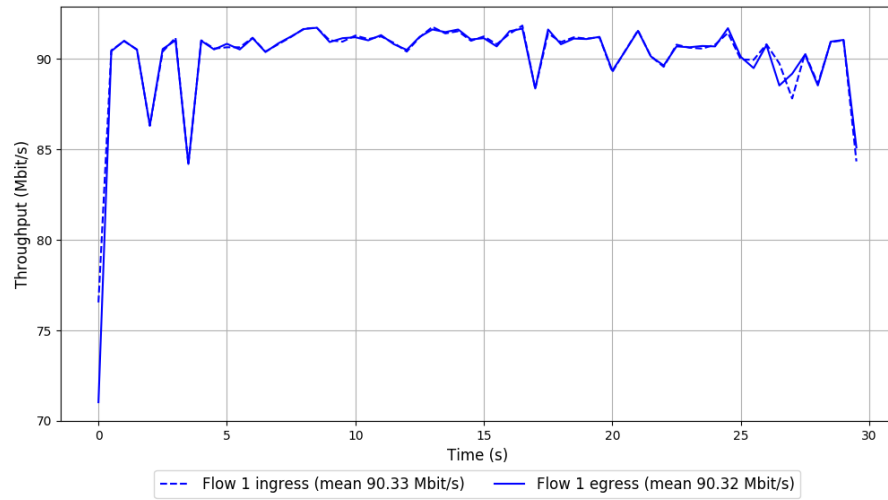


Run 3: Statistics of Saturator

Start at: 2017-08-21 19:07:33  
End at: 2017-08-21 19:08:03  
Local clock offset: -1.891 ms  
Remote clock offset: -12.573 ms

# Below is generated by plot.py at 2017-08-22 02:39:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.32 Mbit/s  
95th percentile per-packet one-way delay: 31.436 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 90.32 Mbit/s  
95th percentile per-packet one-way delay: 31.436 ms  
Loss rate: 0.09%

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



Run 4: Statistics of Saturator

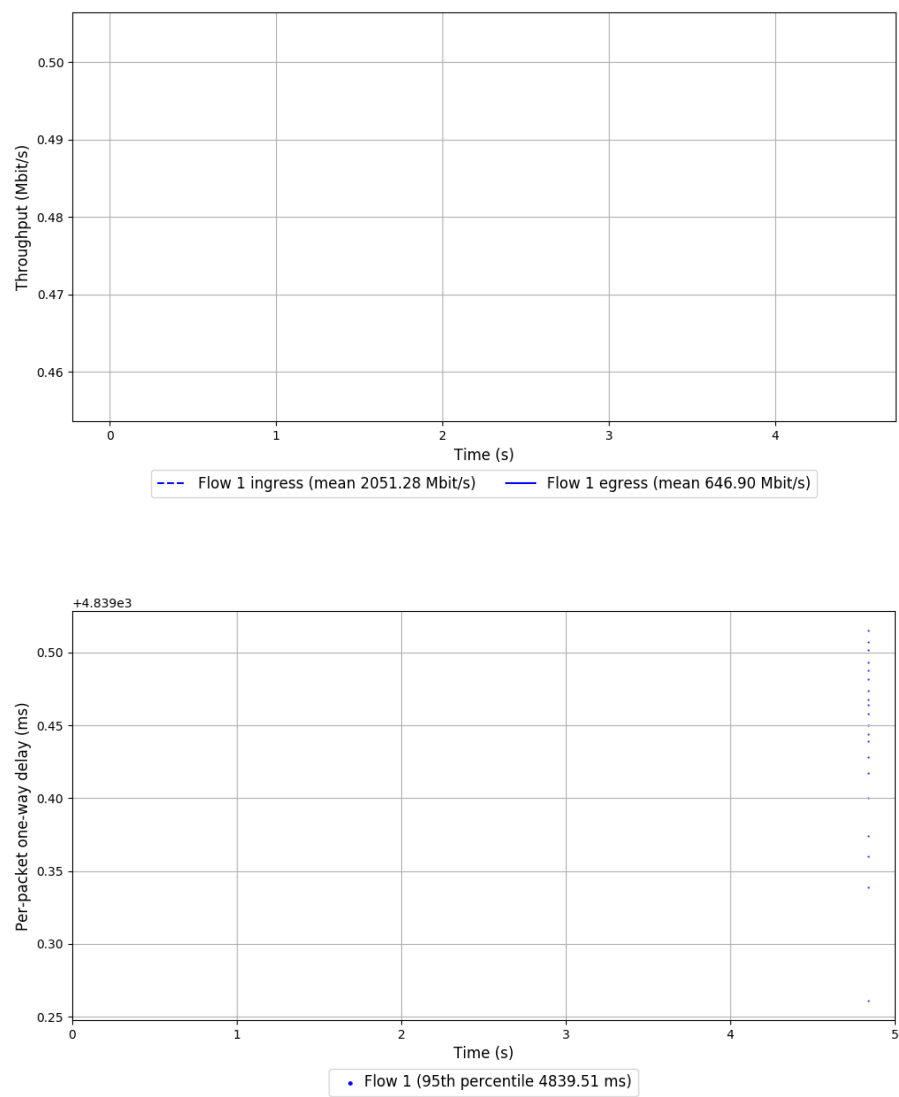
Start at: 2017-08-21 19:26:13

End at: 2017-08-21 19:26:43

Local clock offset: 1.673 ms

Remote clock offset: -14.121 ms

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: 2017-08-21 19:44:09

End at: 2017-08-21 19:44:39

Local clock offset: 1.697 ms

Remote clock offset: -13.3 ms

# Below is generated by plot.py at 2017-08-22 02:39:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.05 Mbit/s

95th percentile per-packet one-way delay: 32.102 ms

Loss rate: 0.08%

-- Flow 1:

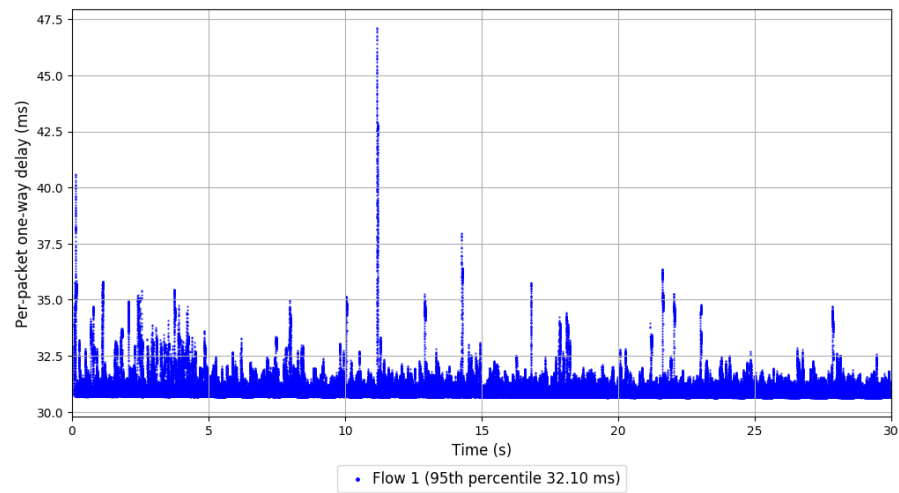
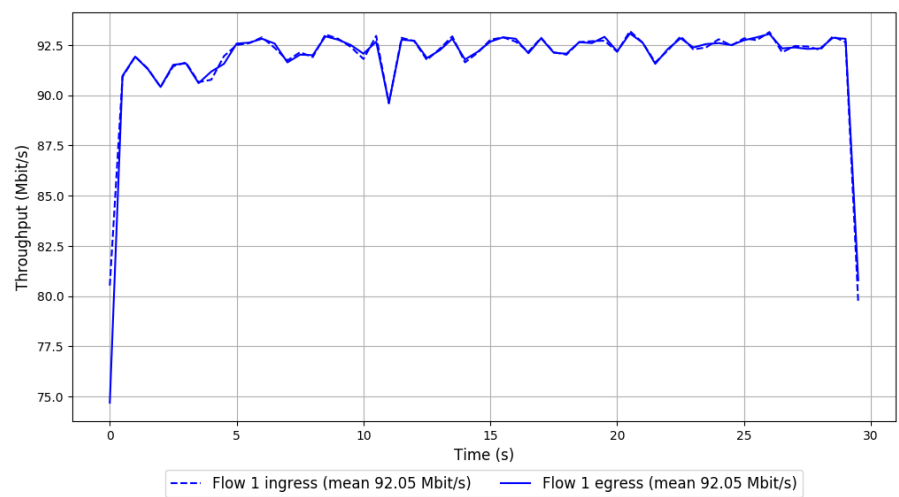
Average throughput: 92.05 Mbit/s

95th percentile per-packet one-way delay: 32.102 ms

Loss rate: 0.08%



Run 5: Report of Saturator — Data Link

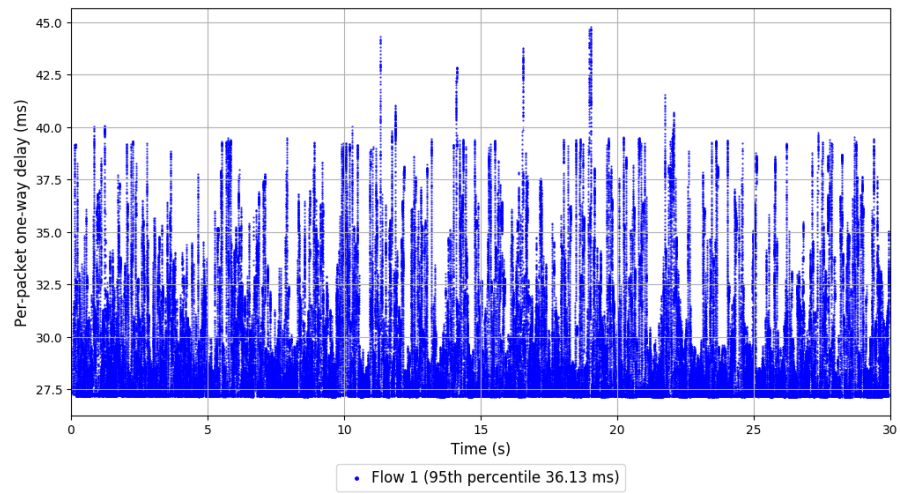
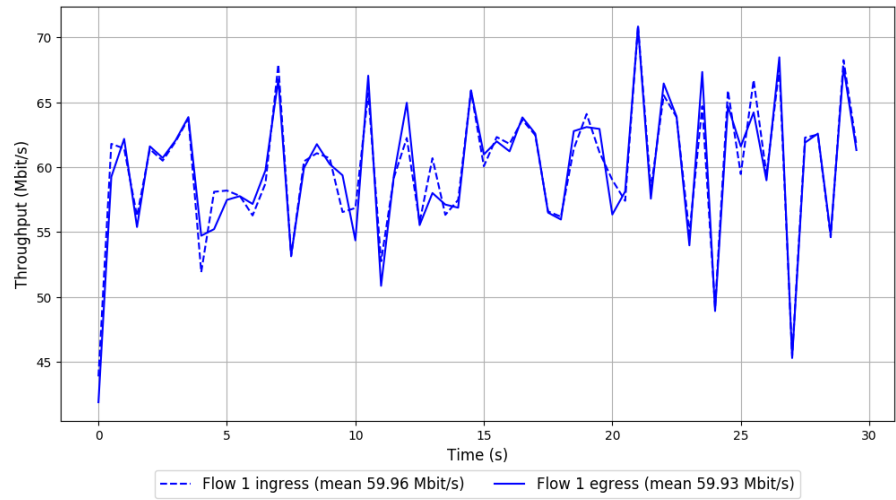


Run 6: Statistics of Saturator

Start at: 2017-08-21 20:02:44  
End at: 2017-08-21 20:03:14  
Local clock offset: 1.034 ms  
Remote clock offset: -12.082 ms

# Below is generated by plot.py at 2017-08-22 02:39:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 59.93 Mbit/s  
95th percentile per-packet one-way delay: 36.134 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 59.93 Mbit/s  
95th percentile per-packet one-way delay: 36.134 ms  
Loss rate: 0.13%

# Run 6: Report of Saturator — Data Link

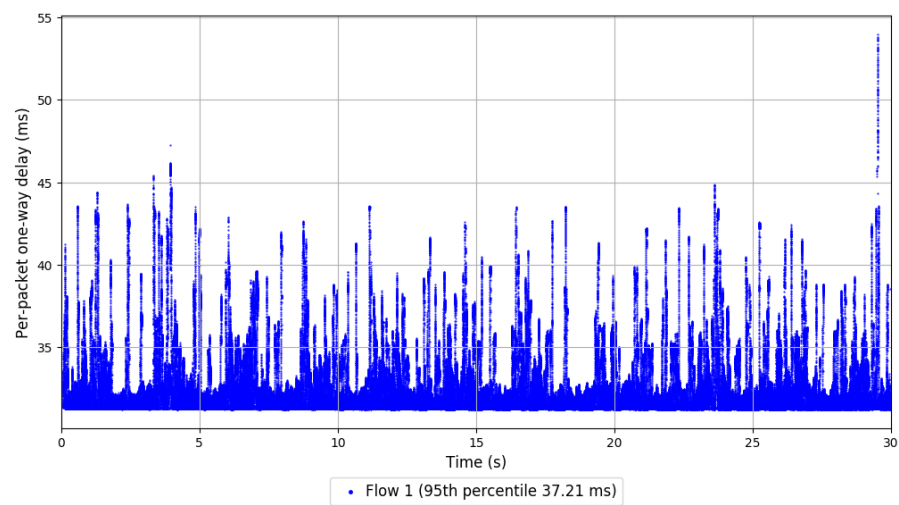
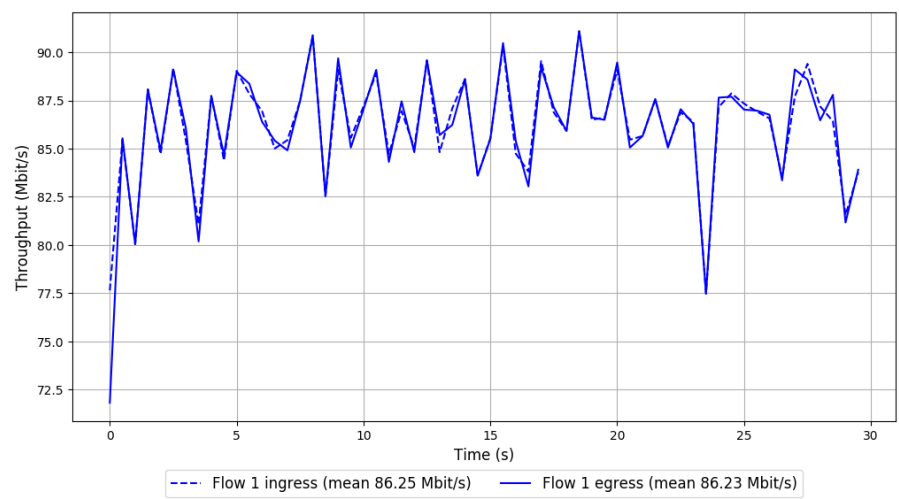


Run 7: Statistics of Saturator

Start at: 2017-08-21 20:23:06  
End at: 2017-08-21 20:23:36  
Local clock offset: 3.535 ms  
Remote clock offset: -13.848 ms

# Below is generated by plot.py at 2017-08-22 02:39:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.23 Mbit/s  
95th percentile per-packet one-way delay: 37.213 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 86.23 Mbit/s  
95th percentile per-packet one-way delay: 37.213 ms  
Loss rate: 0.09%

Run 7: Report of Saturator — Data Link

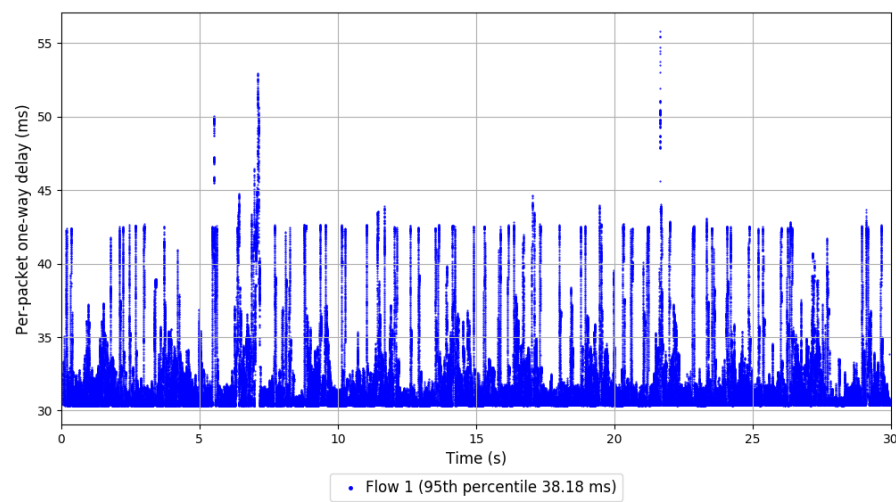
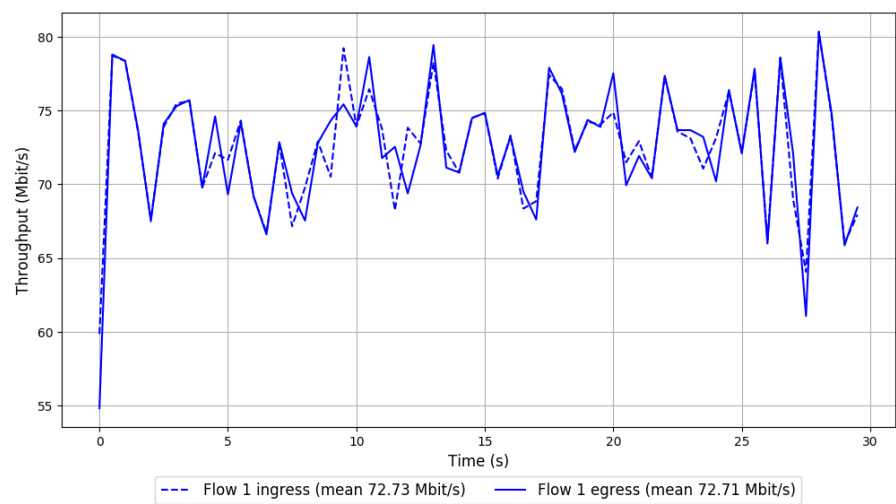


Run 8: Statistics of Saturator

Start at: 2017-08-21 20:43:23  
End at: 2017-08-21 20:43:54  
Local clock offset: 6.271 ms  
Remote clock offset: -10.069 ms

# Below is generated by plot.py at 2017-08-22 02:39:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 72.71 Mbit/s  
95th percentile per-packet one-way delay: 38.178 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 72.71 Mbit/s  
95th percentile per-packet one-way delay: 38.178 ms  
Loss rate: 0.10%

Run 8: Report of Saturator — Data Link



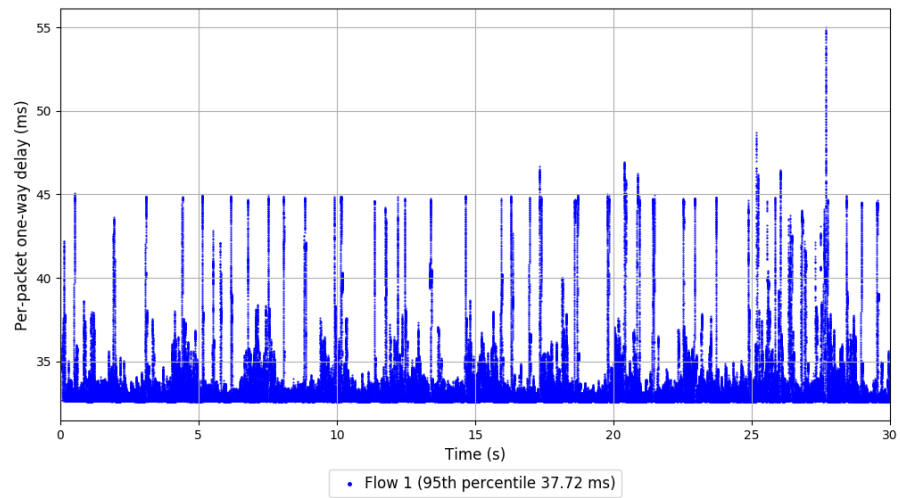
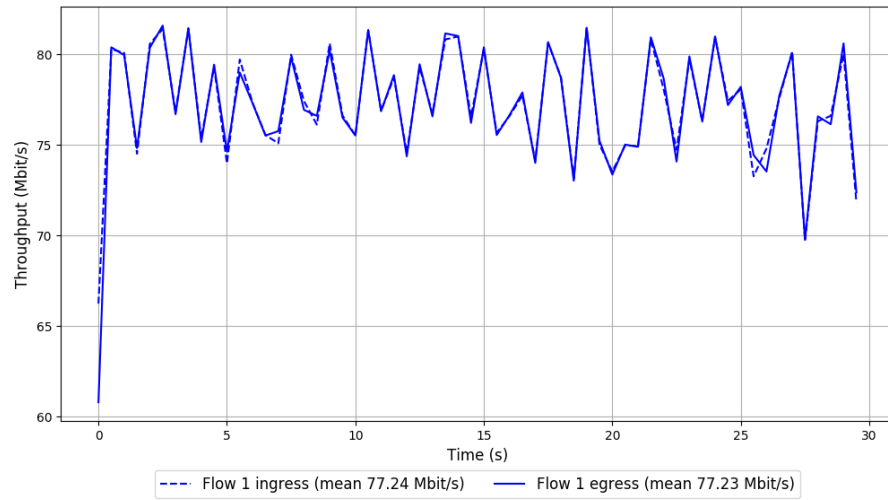
Run 9: Statistics of Saturator

Start at: 2017-08-21 21:03:12  
End at: 2017-08-21 21:03:42  
Local clock offset: 6.411 ms  
Remote clock offset: -12.188 ms

# Below is generated by plot.py at 2017-08-22 02:39:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.23 Mbit/s  
95th percentile per-packet one-way delay: 37.715 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 77.23 Mbit/s  
95th percentile per-packet one-way delay: 37.715 ms  
Loss rate: 0.09%



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

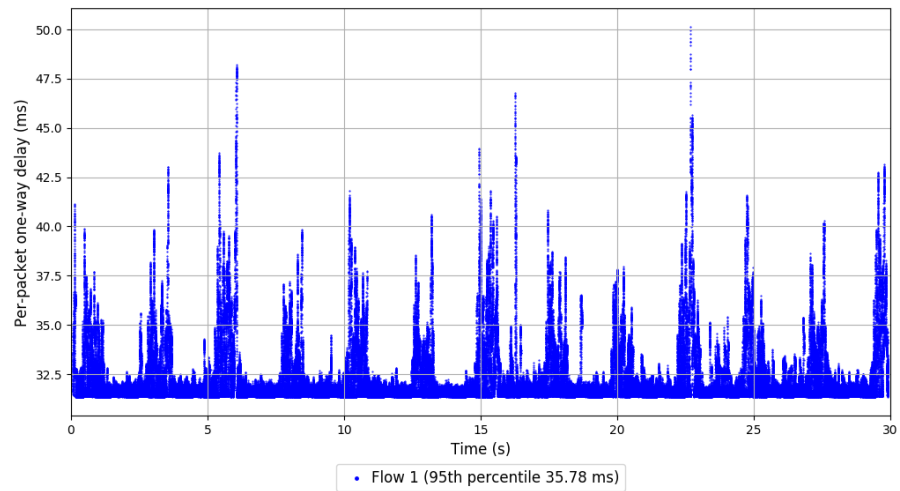
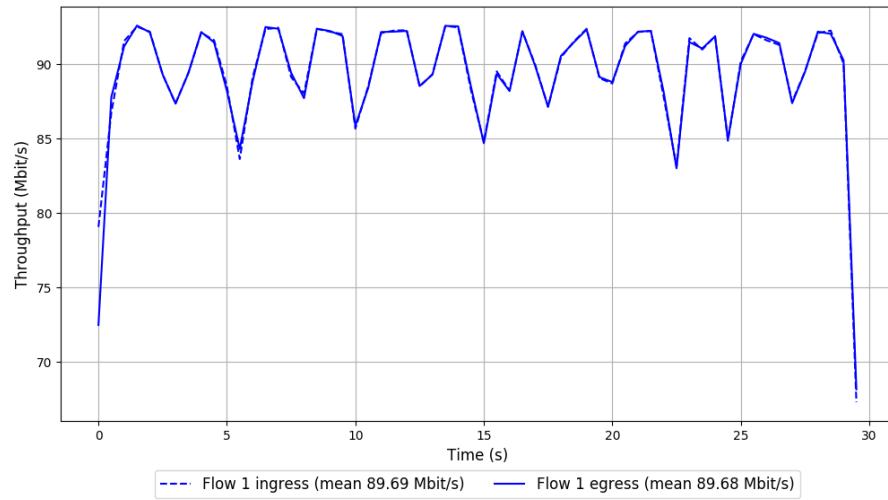


Run 10: Statistics of Saturator

Start at: 2017-08-21 21:23:44  
End at: 2017-08-21 21:24:14  
Local clock offset: 4.746 ms  
Remote clock offset: -12.539 ms

# Below is generated by plot.py at 2017-08-22 02:39:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.68 Mbit/s  
95th percentile per-packet one-way delay: 35.780 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 89.68 Mbit/s  
95th percentile per-packet one-way delay: 35.780 ms  
Loss rate: 0.09%

# Run 10: Report of Saturator — Data Link

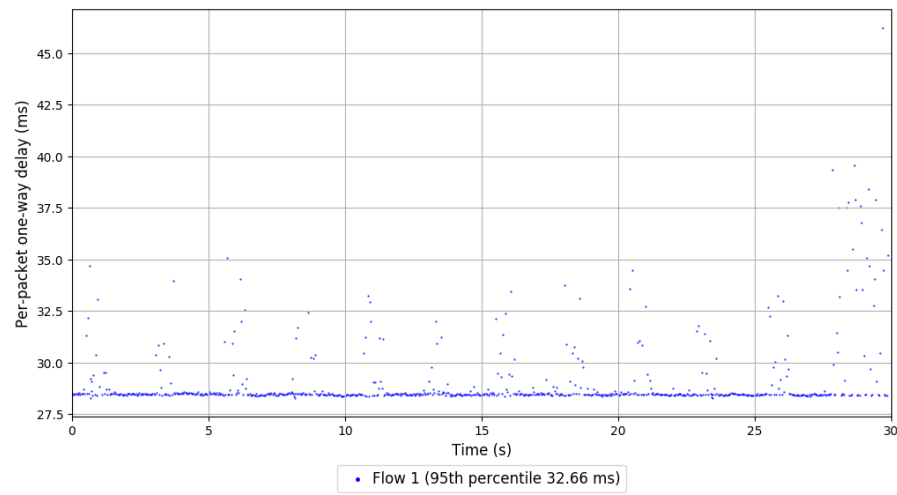
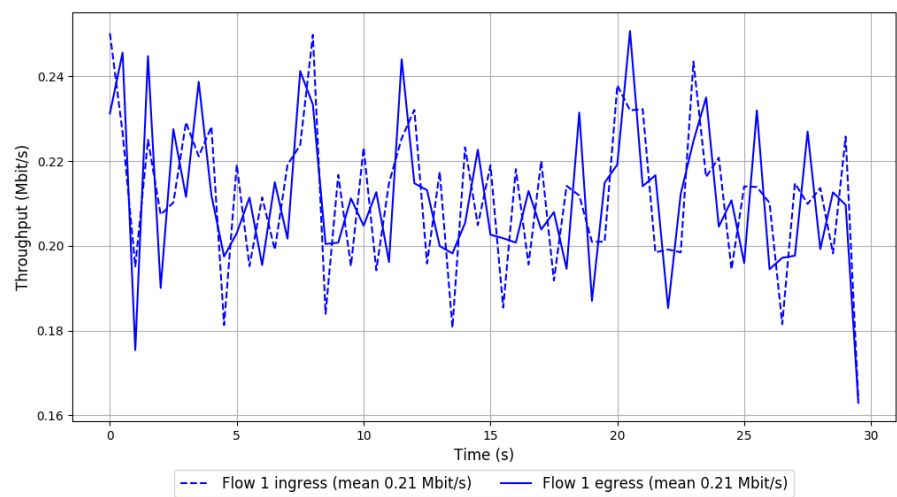


```
Run 1: Statistics of SCReAM

Start at: 2017-08-21 18:12:10
End at: 2017-08-21 18:12:40
Local clock offset: -5.669 ms
Remote clock offset: -13.767 ms

# Below is generated by plot.py at 2017-08-22 02:39:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.664 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 32.664 ms
Loss rate: 0.13%
```

Run 1: Report of SReAM — Data Link

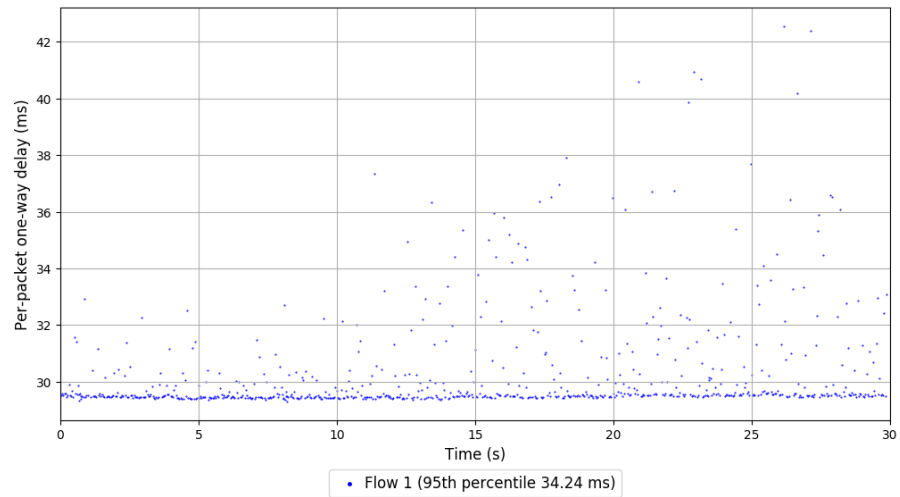
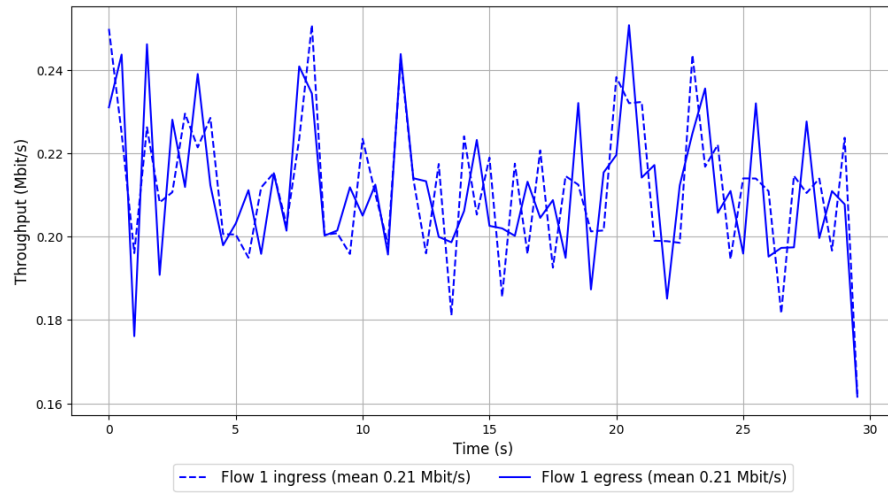


Run 2: Statistics of SCReAM

Start at: 2017-08-21 18:48:39  
End at: 2017-08-21 18:49:09  
Local clock offset: -2.349 ms  
Remote clock offset: -11.395 ms

# Below is generated by plot.py at 2017-08-22 02:39:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 34.236 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 34.236 ms  
Loss rate: 0.13%

## Run 2: Report of SReAM — Data Link



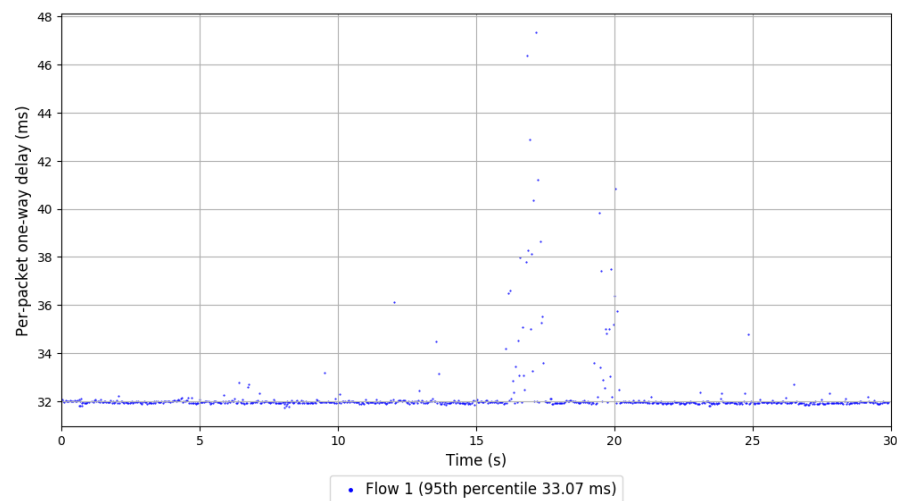
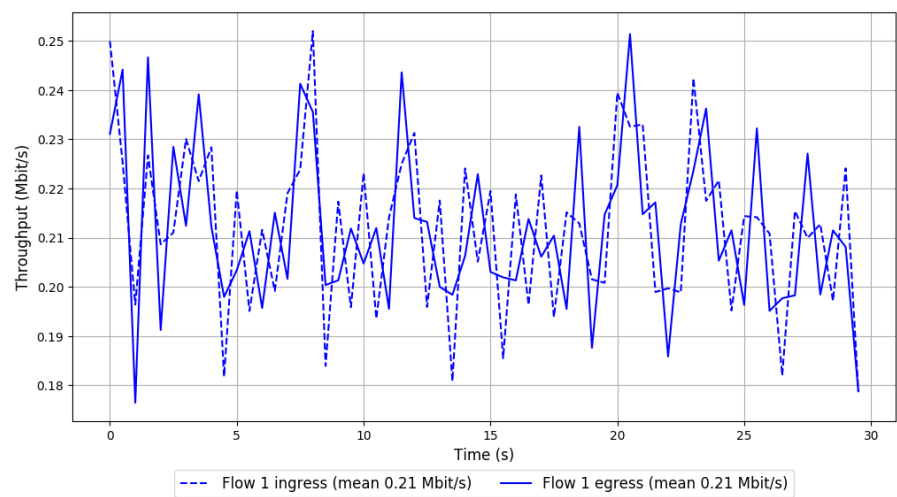
Run 3: Statistics of SCReAM

Start at: 2017-08-21 19:08:57  
End at: 2017-08-21 19:09:27  
Local clock offset: -1.386 ms  
Remote clock offset: -14.403 ms

# Below is generated by plot.py at 2017-08-22 02:39:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 33.067 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 33.067 ms  
Loss rate: 0.13%



Run 3: Report of SReAM — Data Link

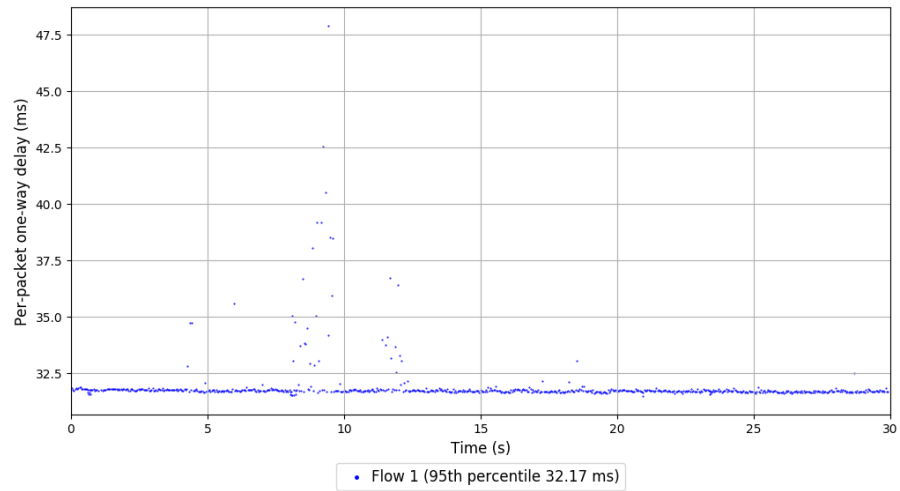
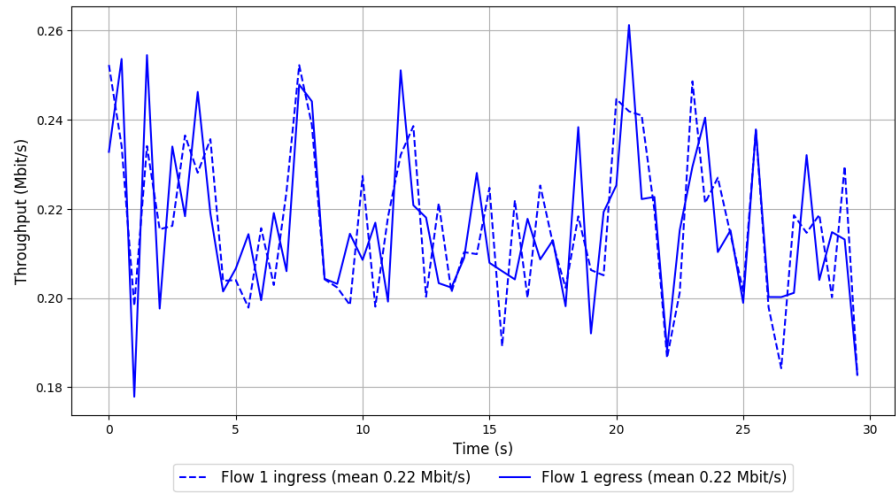


Run 4: Statistics of SCReAM

Start at: 2017-08-21 19:27:18  
End at: 2017-08-21 19:27:48  
Local clock offset: 0.415 ms  
Remote clock offset: -14.063 ms

# Below is generated by plot.py at 2017-08-22 02:39:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 32.166 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 32.166 ms  
Loss rate: 0.13%

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

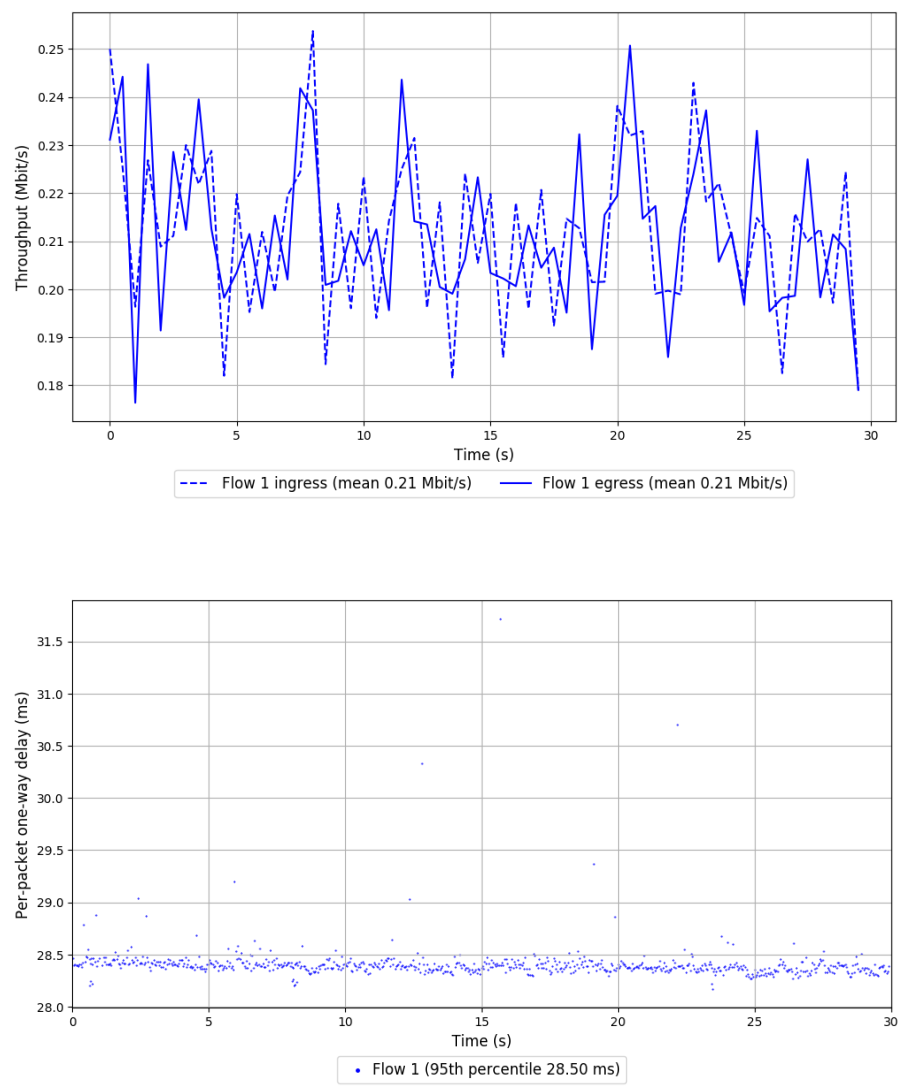


Run 5: Statistics of SCReAM

Start at: 2017-08-21 19:45:24  
End at: 2017-08-21 19:45:54  
Local clock offset: -0.703 ms  
Remote clock offset: -13.494 ms

# Below is generated by plot.py at 2017-08-22 02:39:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 28.497 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 28.497 ms  
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

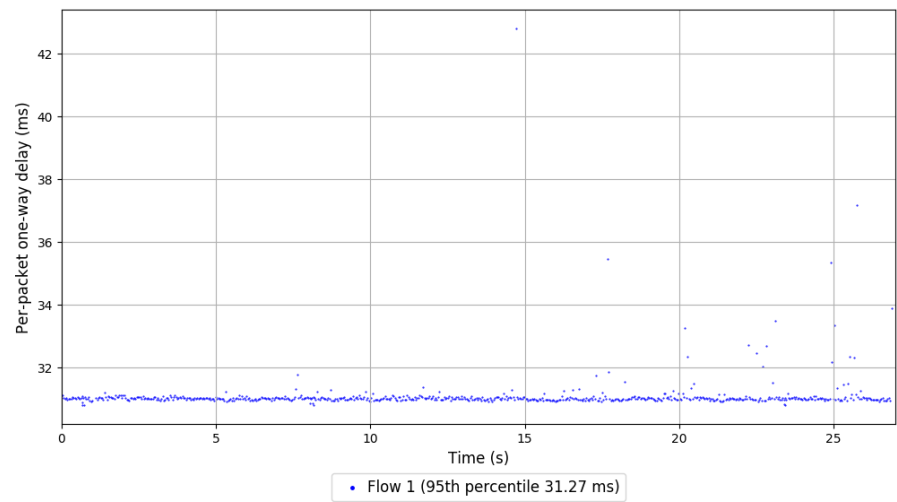
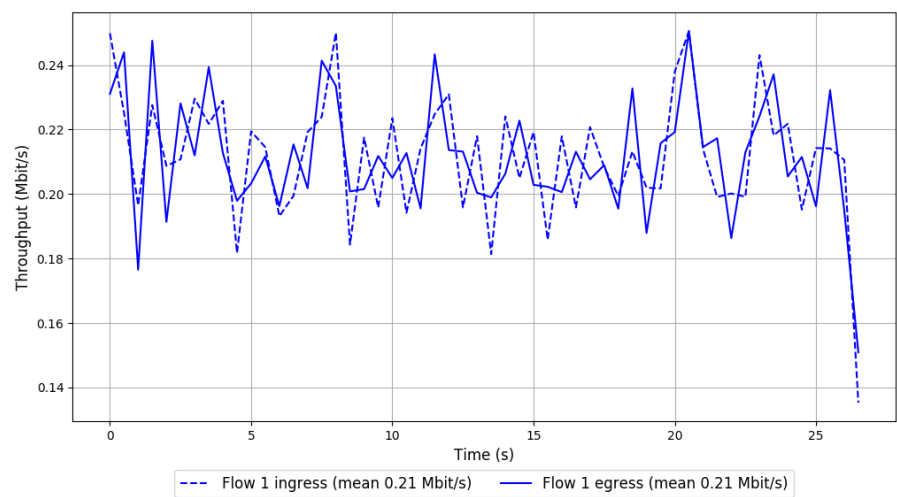


Run 6: Statistics of SCReAM

Start at: 2017-08-21 20:04:08  
End at: 2017-08-21 20:04:38  
Local clock offset: 1.869 ms  
Remote clock offset: -15.071 ms

# Below is generated by plot.py at 2017-08-22 02:39:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 31.273 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 31.273 ms  
Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



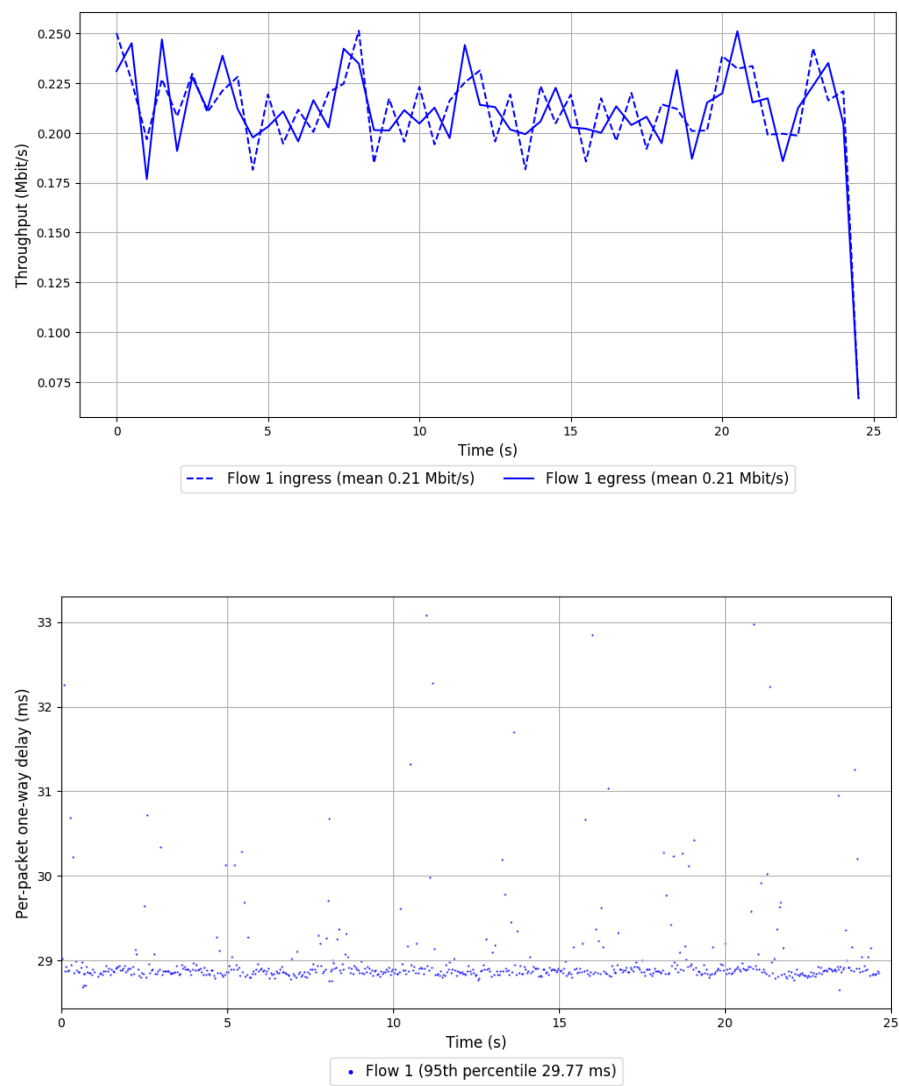
Run 7: Statistics of SCReAM

Start at: 2017-08-21 20:24:39  
End at: 2017-08-21 20:25:09  
Local clock offset: 3.231 ms  
Remote clock offset: -11.792 ms

# Below is generated by plot.py at 2017-08-22 02:39:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 29.769 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 29.769 ms  
Loss rate: 0.15%



Run 7: Report of SReAM — Data Link

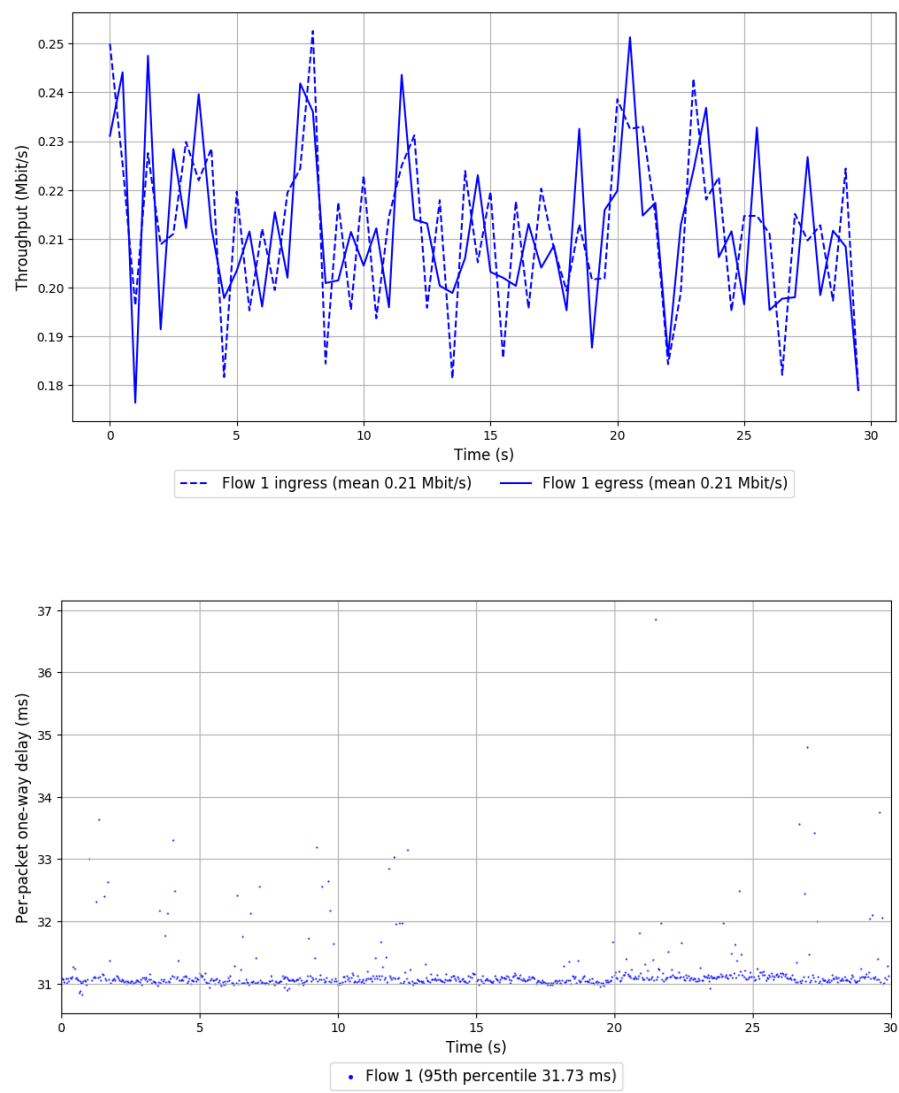


Run 8: Statistics of SCReAM

Start at: 2017-08-21 20:44:39  
End at: 2017-08-21 20:45:09  
Local clock offset: 5.031 ms  
Remote clock offset: -11.838 ms

# Below is generated by plot.py at 2017-08-22 02:39:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 31.729 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 31.729 ms  
Loss rate: 0.13%

Run 8: Report of SReAM — Data Link

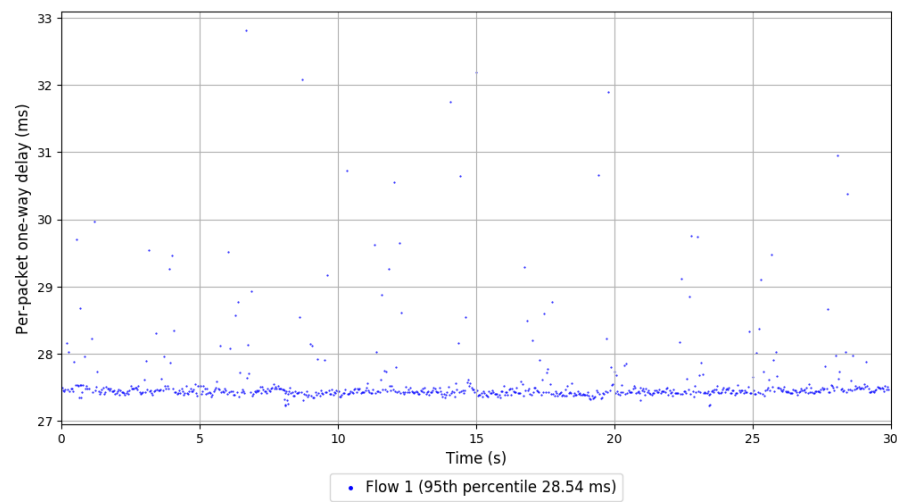
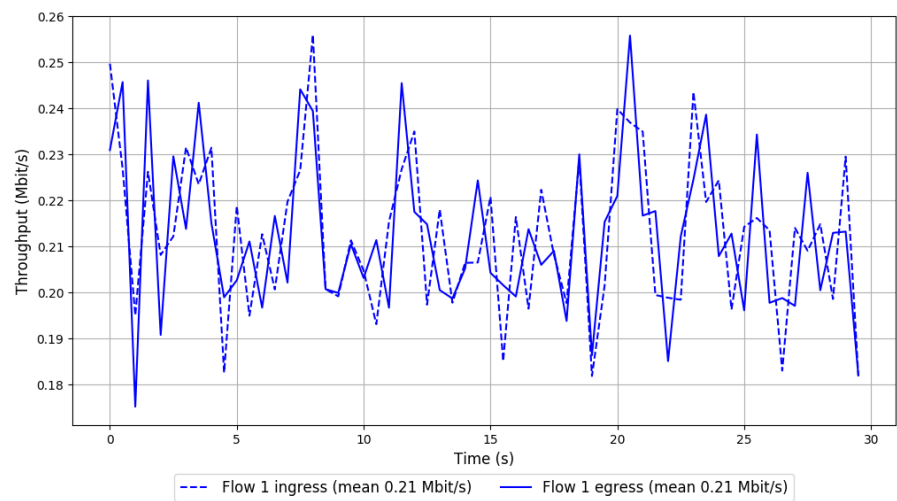


Run 9: Statistics of SCReAM

Start at: 2017-08-21 21:04:33  
End at: 2017-08-21 21:05:04  
Local clock offset: 2.355 ms  
Remote clock offset: -11.042 ms

# Below is generated by plot.py at 2017-08-22 02:39:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 28.541 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 28.541 ms  
Loss rate: 0.13%

Run 9: Report of SReAM — Data Link

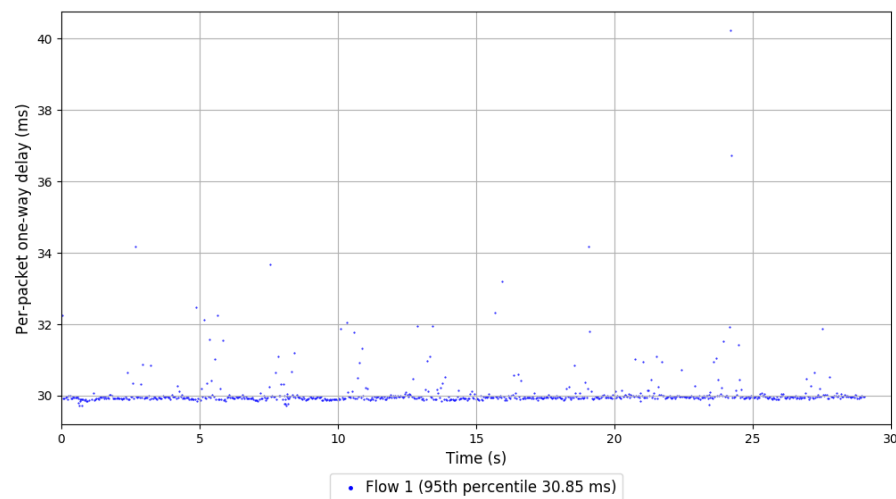
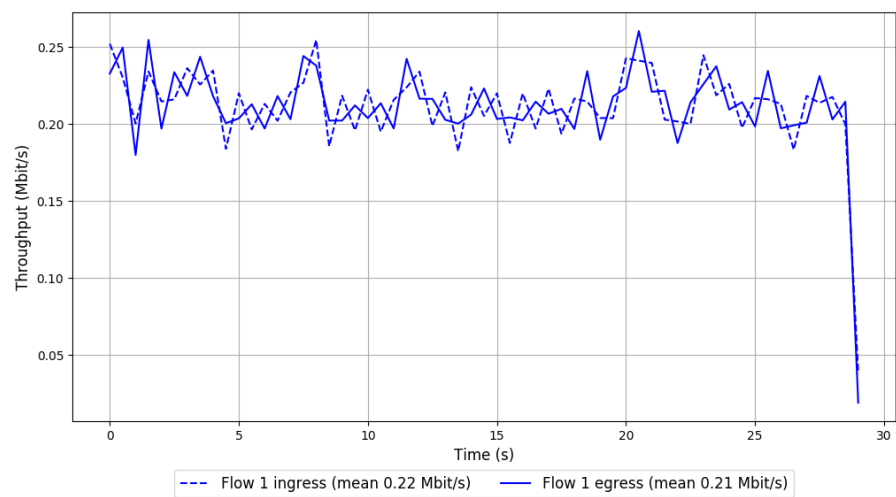


Run 10: Statistics of SReAM

Start at: 2017-08-21 21:25:16  
End at: 2017-08-21 21:25:46  
Local clock offset: 3.459 ms  
Remote clock offset: -12.285 ms

# Below is generated by plot.py at 2017-08-22 02:39:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.848 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.848 ms  
Loss rate: 0.15%

Run 10: Report of SCReAM — Data Link



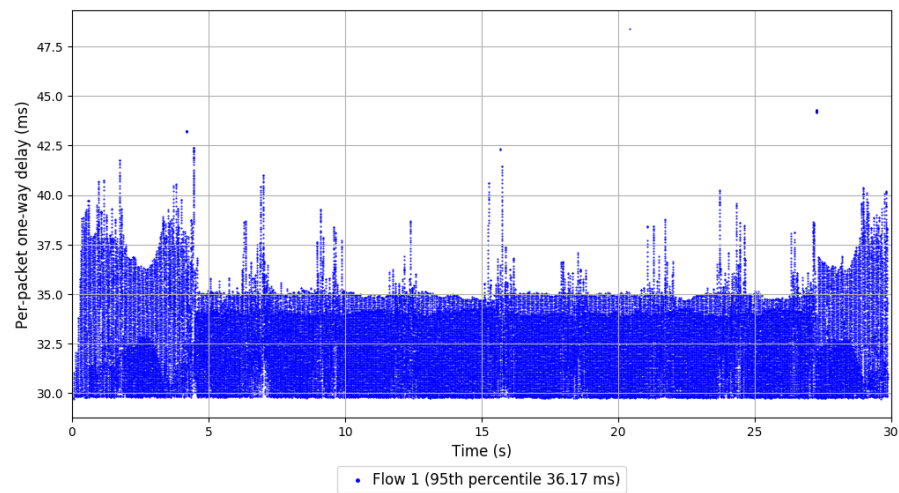
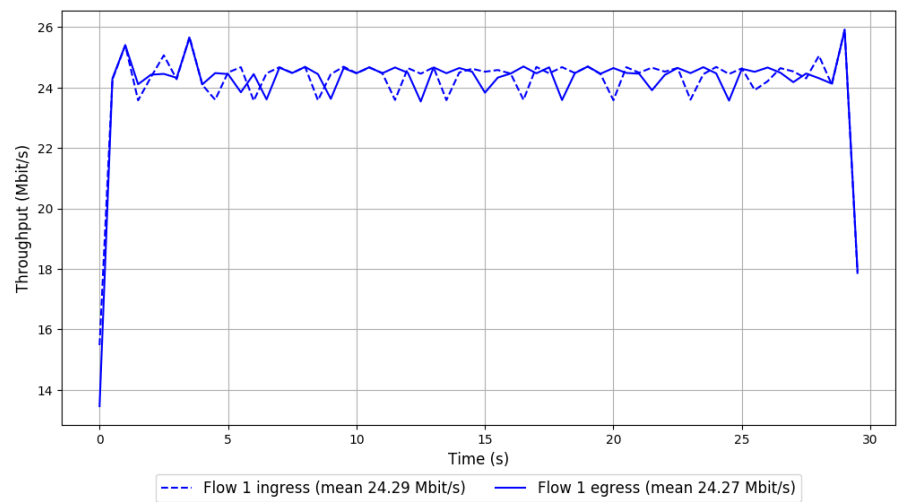
Run 1: Statistics of Sprout

Start at: 2017-08-21 18:04:09  
End at: 2017-08-21 18:04:39  
Local clock offset: -4.321 ms  
Remote clock offset: -13.36 ms

# Below is generated by plot.py at 2017-08-22 02:39:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.27 Mbit/s  
95th percentile per-packet one-way delay: 36.174 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 24.27 Mbit/s  
95th percentile per-packet one-way delay: 36.174 ms  
Loss rate: 0.13%



Run 1: Report of Sprout — Data Link

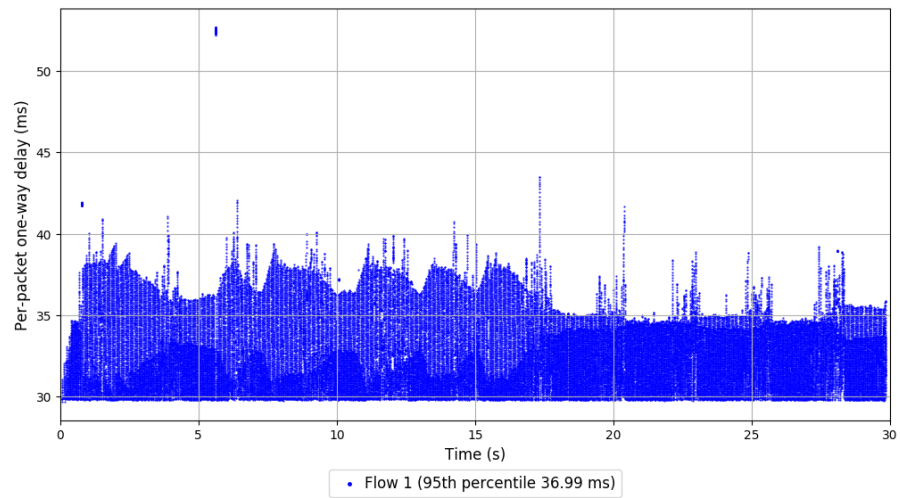
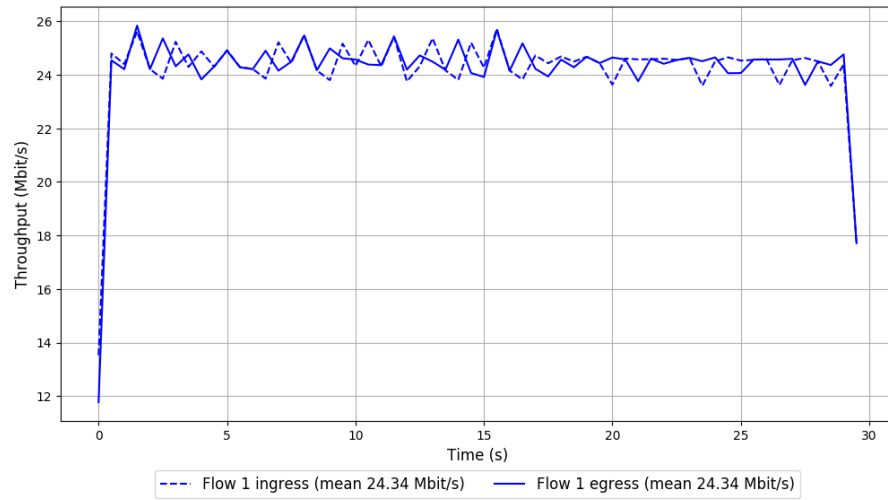


Run 2: Statistics of Sprout

Start at: 2017-08-21 18:24:49  
End at: 2017-08-21 18:25:19  
Local clock offset: -2.881 ms  
Remote clock offset: -13.115 ms

# Below is generated by plot.py at 2017-08-22 02:40:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.34 Mbit/s  
95th percentile per-packet one-way delay: 36.995 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 24.34 Mbit/s  
95th percentile per-packet one-way delay: 36.995 ms  
Loss rate: 0.06%

## Run 2: Report of Sprout — Data Link

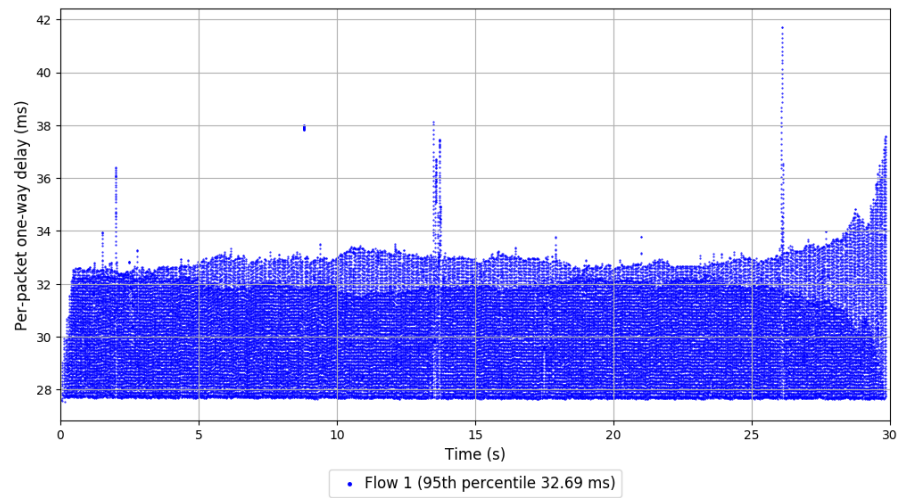
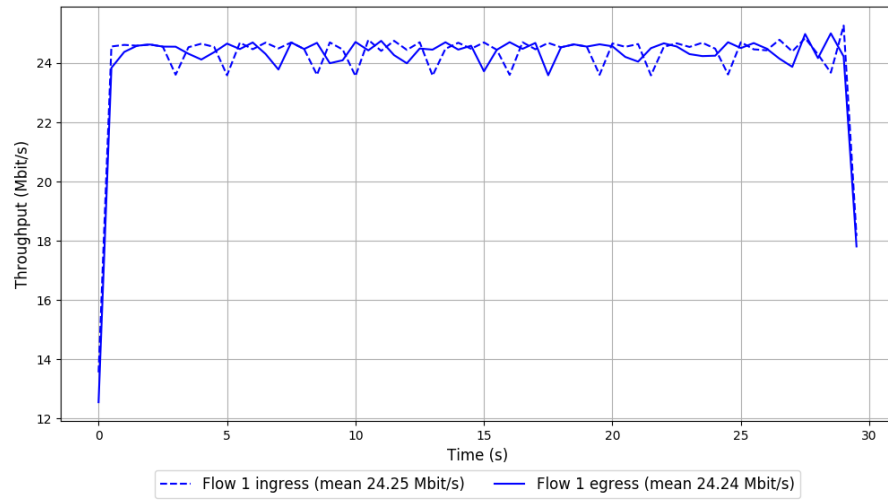


Run 3: Statistics of Sprout

Start at: 2017-08-21 19:01:15  
End at: 2017-08-21 19:01:46  
Local clock offset: -4.262 ms  
Remote clock offset: -12.638 ms

# Below is generated by plot.py at 2017-08-22 02:40:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.24 Mbit/s  
95th percentile per-packet one-way delay: 32.691 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 24.24 Mbit/s  
95th percentile per-packet one-way delay: 32.691 ms  
Loss rate: 0.14%

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

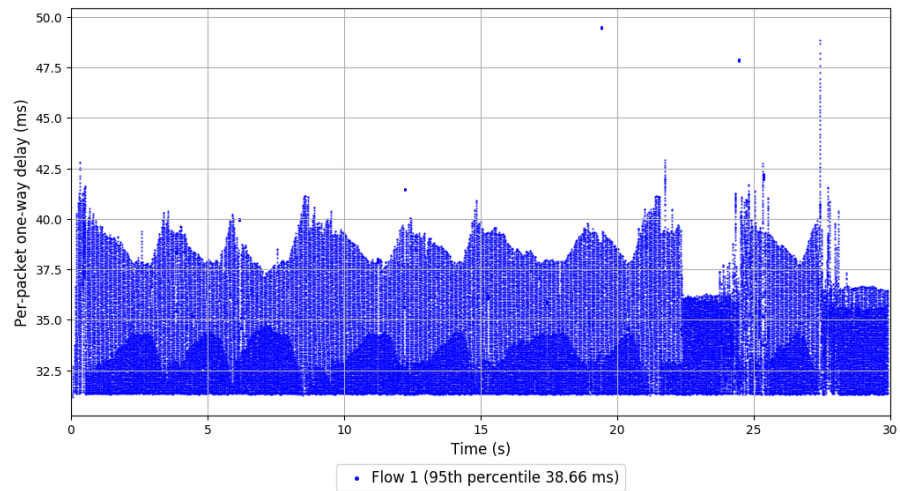
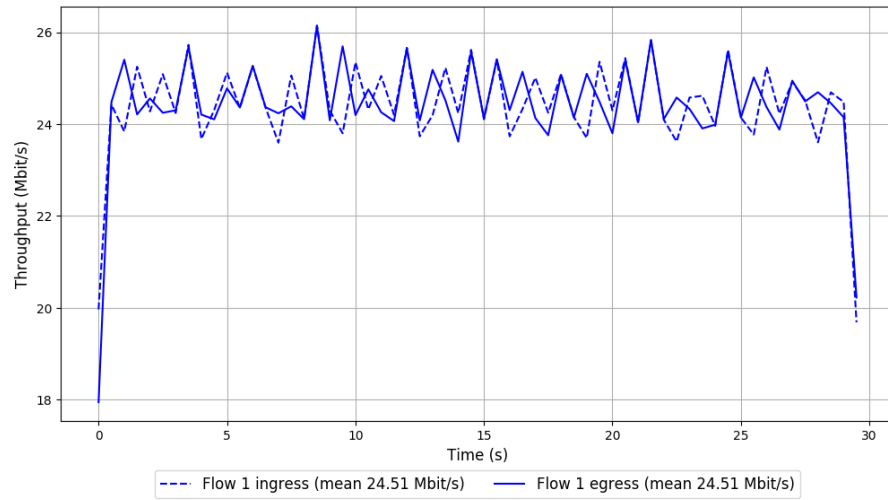


Run 4: Statistics of Sprout

Start at: 2017-08-21 19:20:14  
End at: 2017-08-21 19:20:44  
Local clock offset: 0.595 ms  
Remote clock offset: -12.824 ms

# Below is generated by plot.py at 2017-08-22 02:40:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.51 Mbit/s  
95th percentile per-packet one-way delay: 38.663 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 24.51 Mbit/s  
95th percentile per-packet one-way delay: 38.663 ms  
Loss rate: 0.06%

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



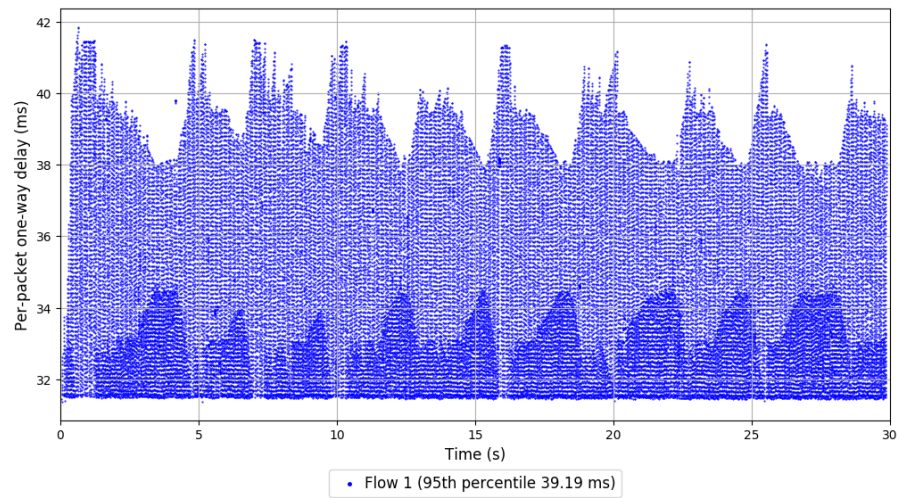
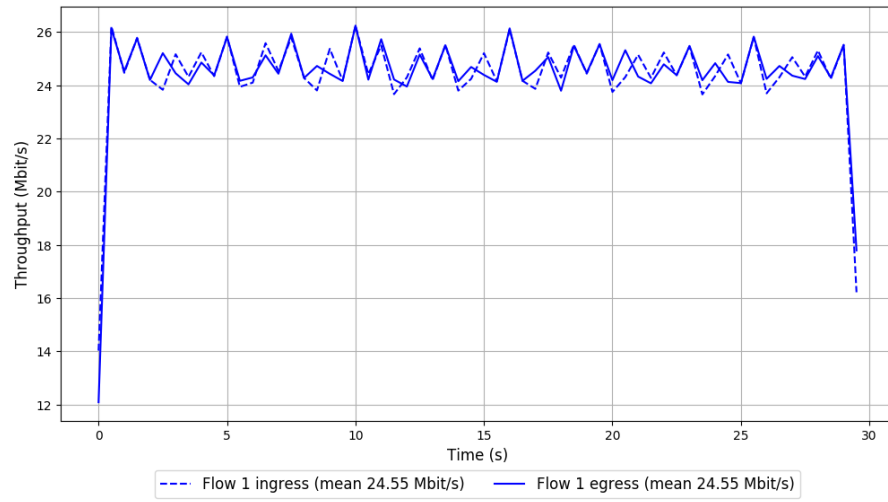
Run 5: Statistics of Sprout

Start at: 2017-08-21 19:38:14  
End at: 2017-08-21 19:38:44  
Local clock offset: 0.77 ms  
Remote clock offset: -14.649 ms

# Below is generated by plot.py at 2017-08-22 02:40:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.55 Mbit/s  
95th percentile per-packet one-way delay: 39.190 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 24.55 Mbit/s  
95th percentile per-packet one-way delay: 39.190 ms  
Loss rate: 0.03%



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

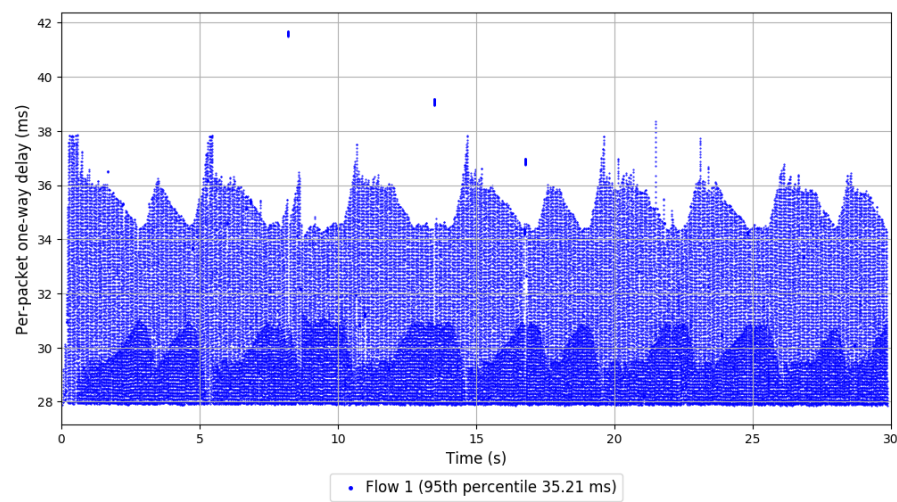
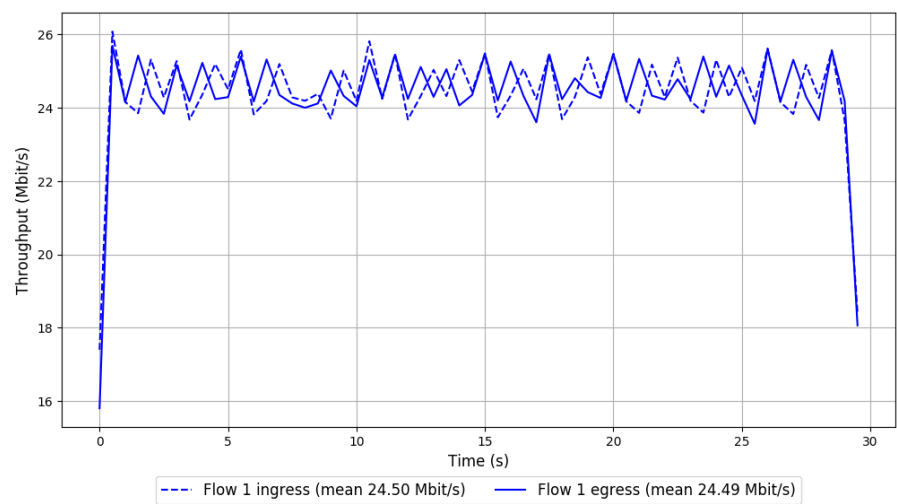


Run 6: Statistics of Sprout

Start at: 2017-08-21 19:56:13  
End at: 2017-08-21 19:56:43  
Local clock offset: 1.906 ms  
Remote clock offset: -11.422 ms

# Below is generated by plot.py at 2017-08-22 02:40:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.49 Mbit/s  
95th percentile per-packet one-way delay: 35.209 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 24.49 Mbit/s  
95th percentile per-packet one-way delay: 35.209 ms  
Loss rate: 0.12%

Run 6: Report of Sprout — Data Link

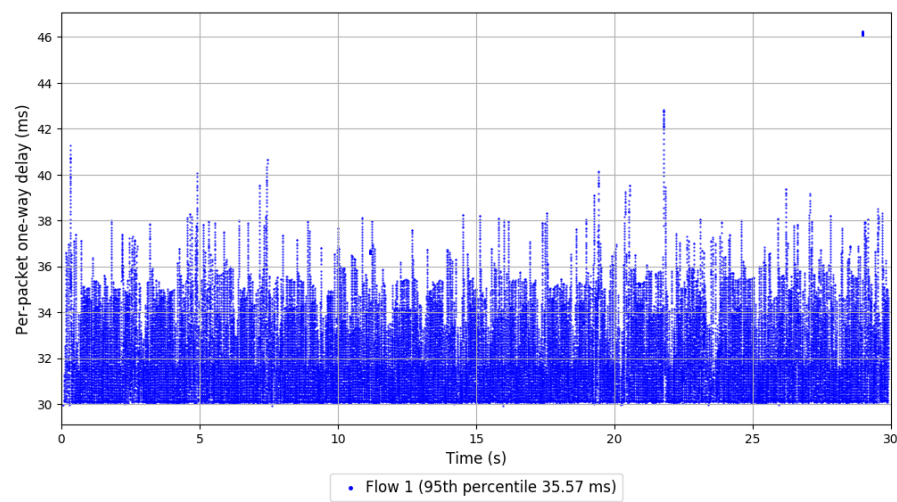
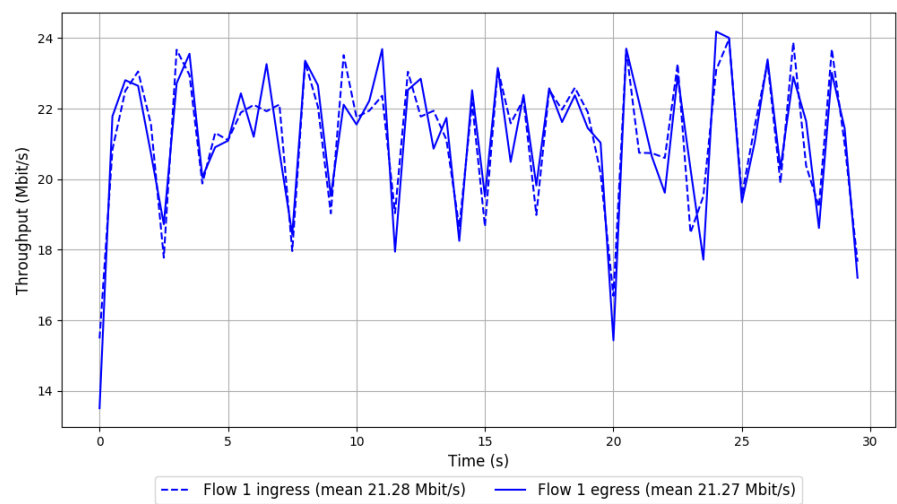


Run 7: Statistics of Sprout

Start at: 2017-08-21 20:16:24  
End at: 2017-08-21 20:16:54  
Local clock offset: 1.564 ms  
Remote clock offset: -14.336 ms

# Below is generated by plot.py at 2017-08-22 02:40:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 21.27 Mbit/s  
95th percentile per-packet one-way delay: 35.566 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 21.27 Mbit/s  
95th percentile per-packet one-way delay: 35.566 ms  
Loss rate: 0.15%

Run 7: Report of Sprout — Data Link

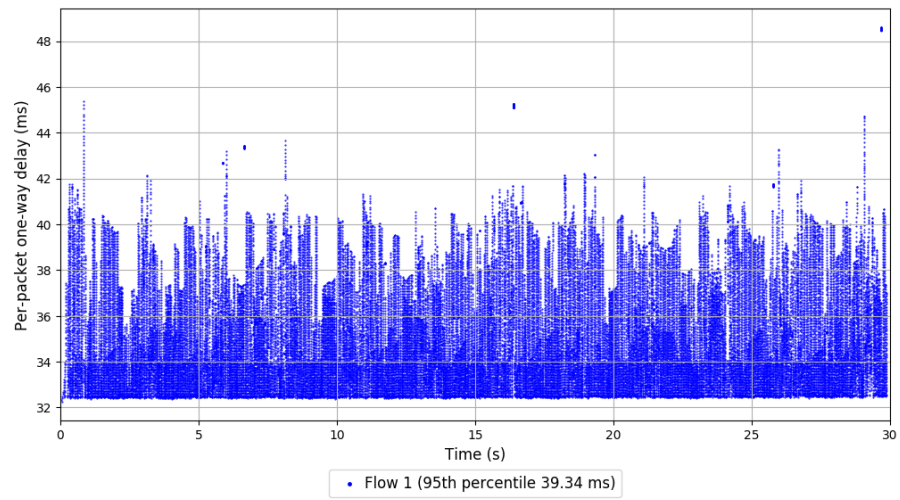
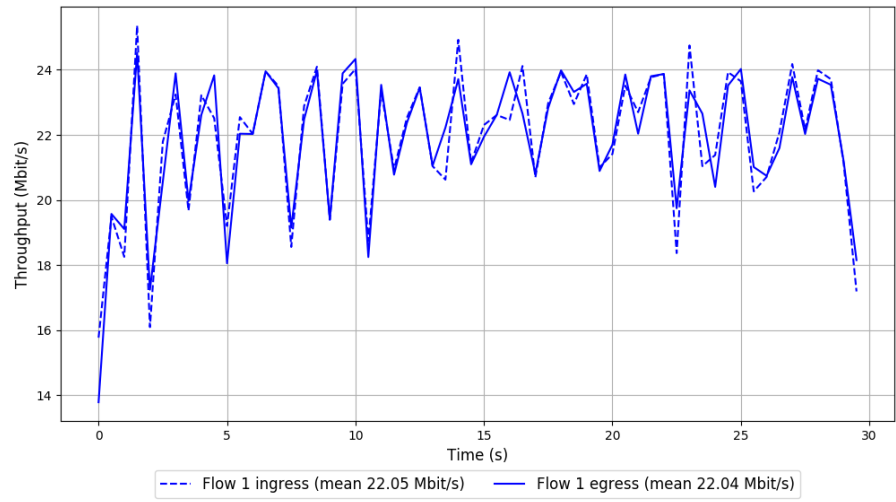


Run 8: Statistics of Sprout

Start at: 2017-08-21 20:36:54  
End at: 2017-08-21 20:37:24  
Local clock offset: 7.194 ms  
Remote clock offset: -11.64 ms

# Below is generated by plot.py at 2017-08-22 02:40:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 22.04 Mbit/s  
95th percentile per-packet one-way delay: 39.337 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 22.04 Mbit/s  
95th percentile per-packet one-way delay: 39.337 ms  
Loss rate: 0.08%

# Run 8: Report of Sprout — Data Link



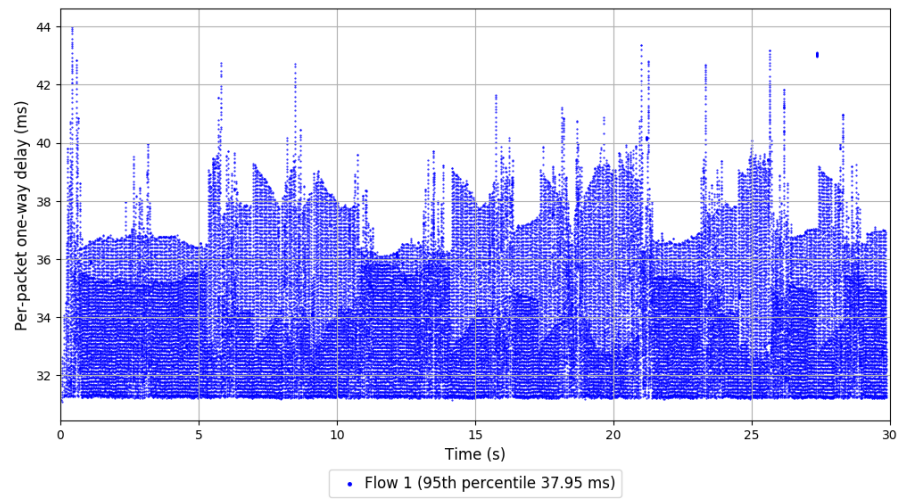
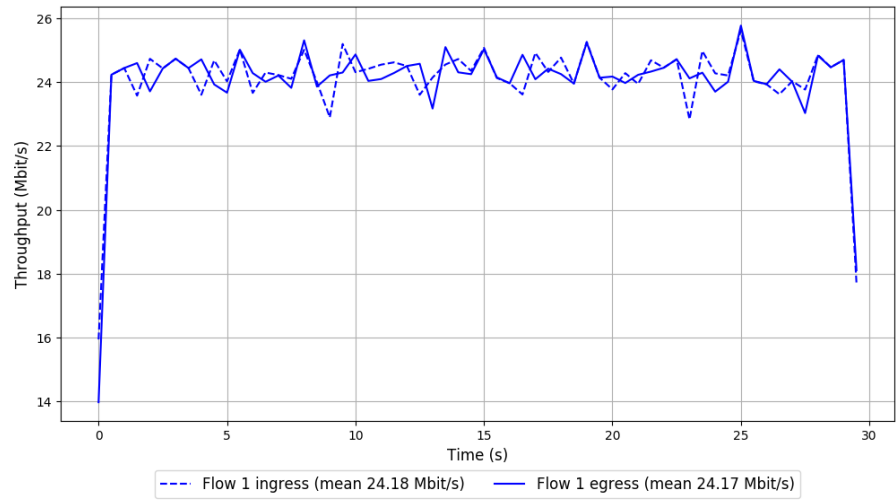
Run 9: Statistics of Sprout

Start at: 2017-08-21 20:56:55  
End at: 2017-08-21 20:57:25  
Local clock offset: 5.209 ms  
Remote clock offset: -11.701 ms

# Below is generated by plot.py at 2017-08-22 02:40:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.17 Mbit/s  
95th percentile per-packet one-way delay: 37.946 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 24.17 Mbit/s  
95th percentile per-packet one-way delay: 37.946 ms  
Loss rate: 0.11%



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

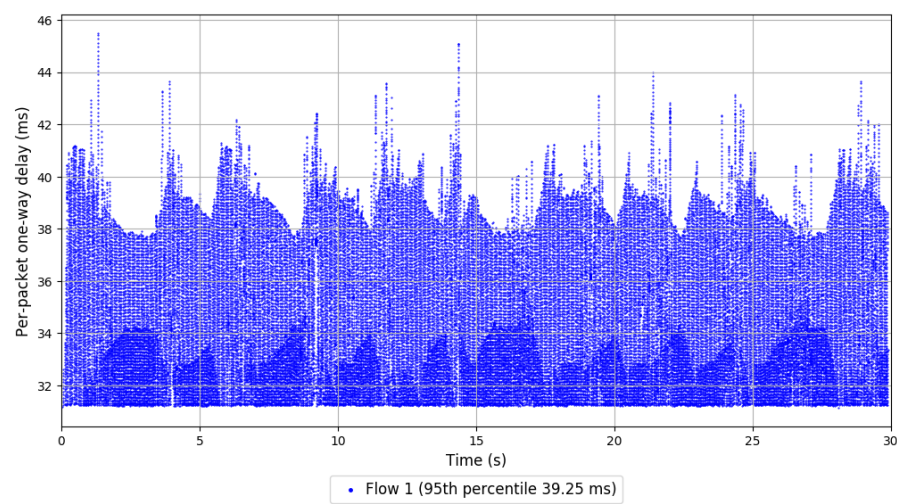
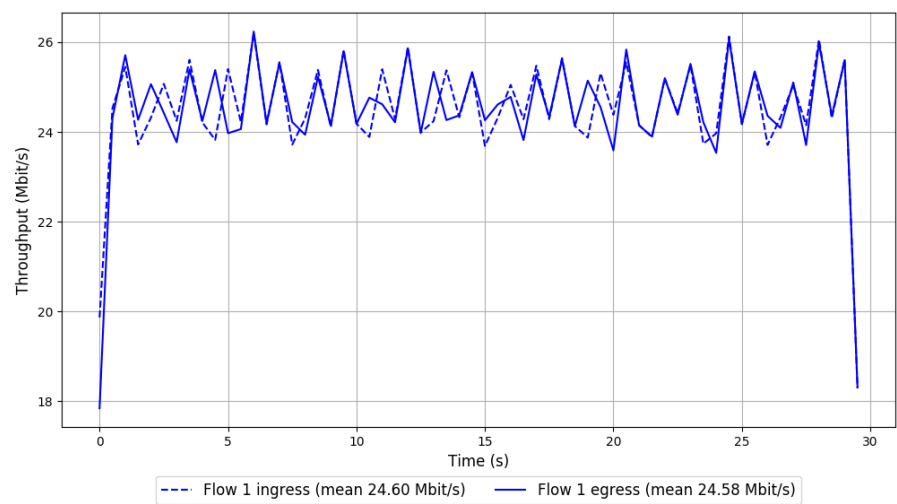


Run 10: Statistics of Sprout

Start at: 2017-08-21 21:17:10  
End at: 2017-08-21 21:17:40  
Local clock offset: 5.643 ms  
Remote clock offset: -11.609 ms

# Below is generated by plot.py at 2017-08-22 02:40:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.58 Mbit/s  
95th percentile per-packet one-way delay: 39.251 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 24.58 Mbit/s  
95th percentile per-packet one-way delay: 39.251 ms  
Loss rate: 0.13%

Run 10: Report of Sprout — Data Link

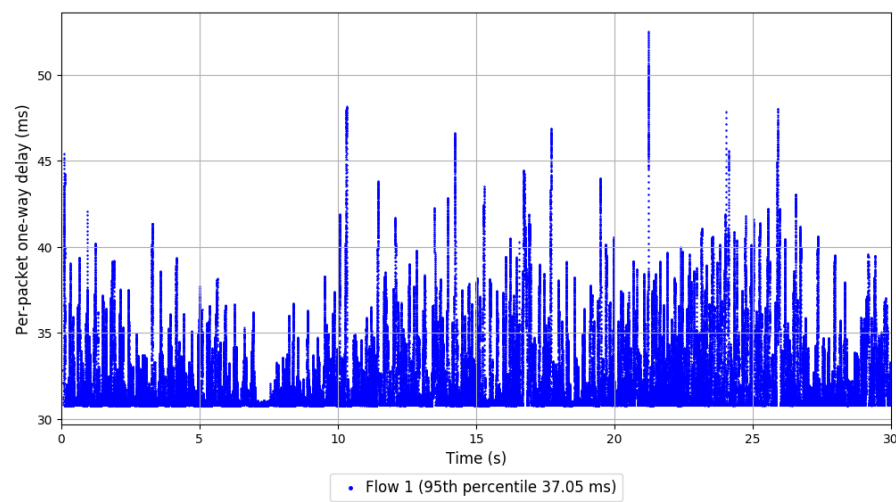
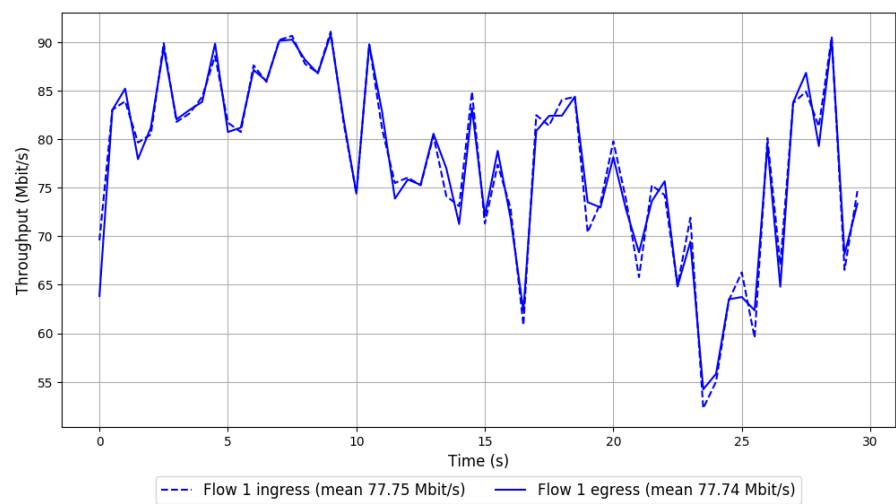


Run 1: Statistics of TaoVA-100x

Start at: 2017-08-21 17:55:49  
End at: 2017-08-21 17:56:19  
Local clock offset: -3.23 ms  
Remote clock offset: -12.874 ms

# Below is generated by plot.py at 2017-08-22 02:40:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.74 Mbit/s  
95th percentile per-packet one-way delay: 37.049 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 77.74 Mbit/s  
95th percentile per-packet one-way delay: 37.049 ms  
Loss rate: 0.12%

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

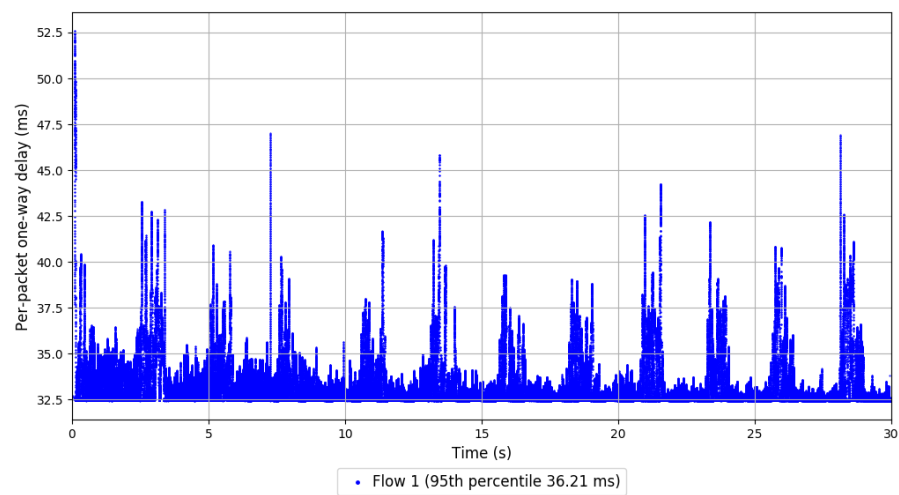
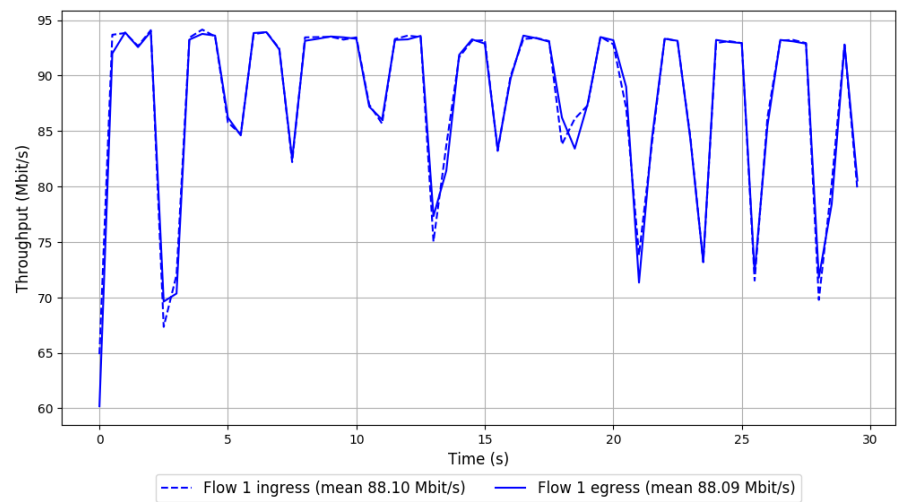


```
Run 2: Statistics of TaoVA-100x

Start at: 2017-08-21 18:19:10
End at: 2017-08-21 18:19:40
Local clock offset: -1.905 ms
Remote clock offset: -14.592 ms

# Below is generated by plot.py at 2017-08-22 02:40:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 36.212 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 88.09 Mbit/s
95th percentile per-packet one-way delay: 36.212 ms
Loss rate: 0.10%
```

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



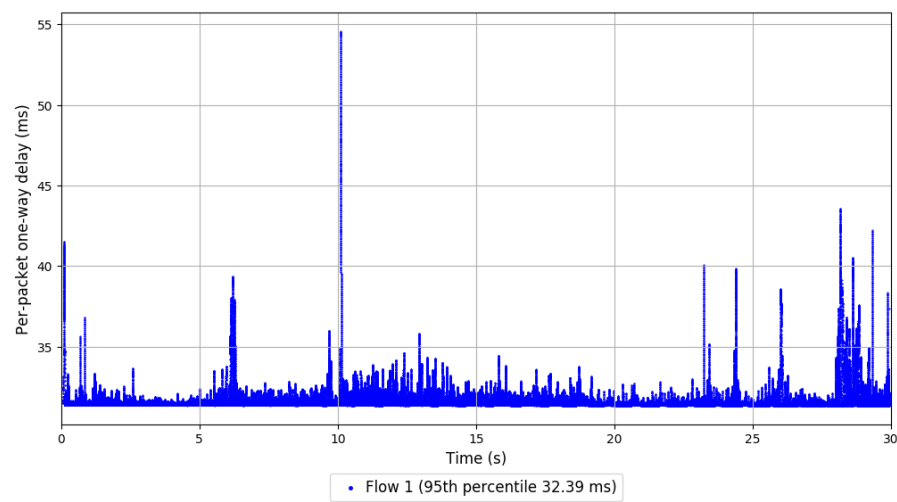
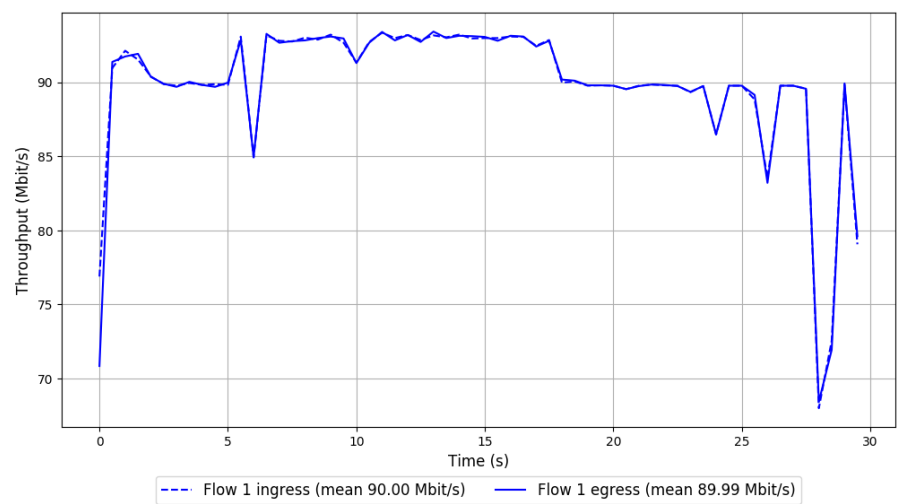
Run 3: Statistics of TaoVA-100x

Start at: 2017-08-21 18:55:30  
End at: 2017-08-21 18:56:00  
Local clock offset: -2.474 ms  
Remote clock offset: -14.008 ms

# Below is generated by plot.py at 2017-08-22 02:40:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.99 Mbit/s  
95th percentile per-packet one-way delay: 32.390 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 89.99 Mbit/s  
95th percentile per-packet one-way delay: 32.390 ms  
Loss rate: 0.10%



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



Run 4: Statistics of TaoVA-100x

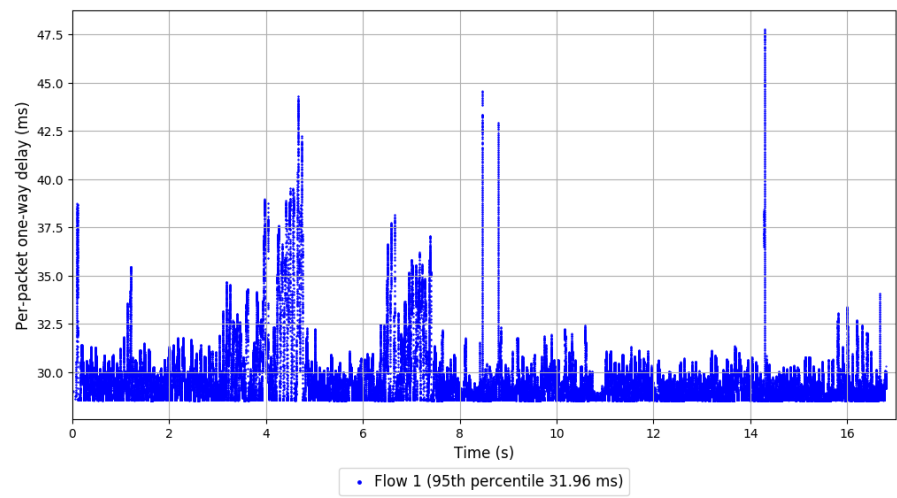
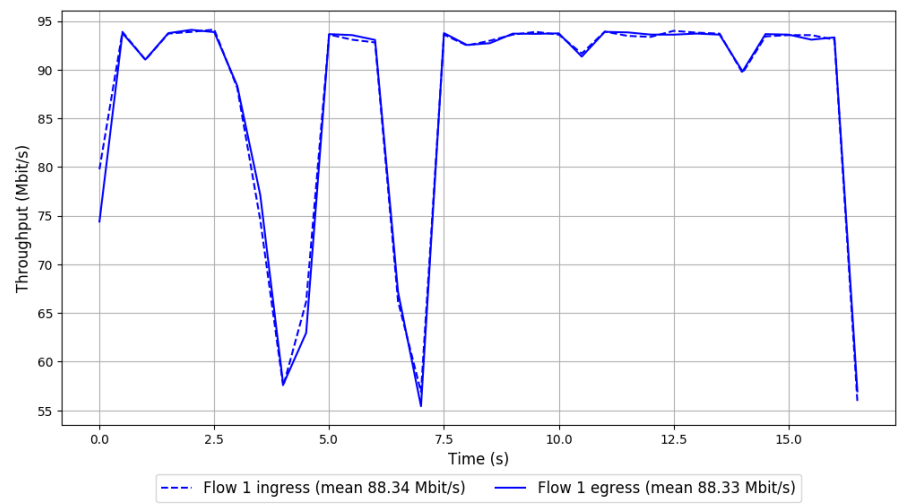
Start at: 2017-08-21 19:15:13

End at: 2017-08-21 19:15:43

Local clock offset: -7.957 ms

Remote clock offset: -18.262 ms

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



Run 5: Statistics of TaoVA-100x

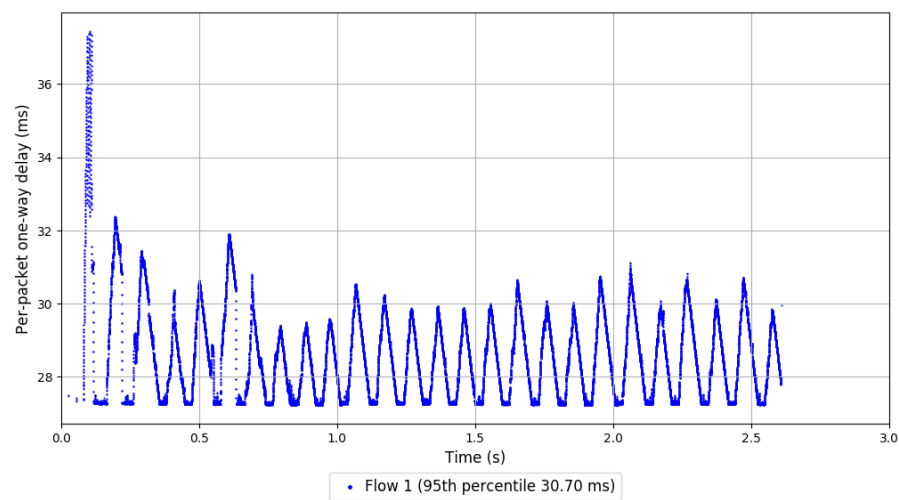
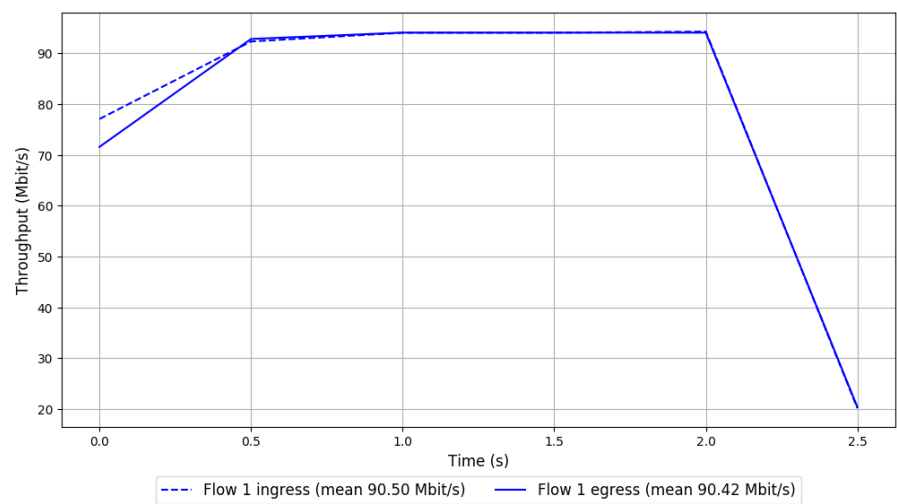
Start at: 2017-08-21 19:33:19

End at: 2017-08-21 19:33:49

Local clock offset: -1.287 ms

Remote clock offset: -12.097 ms

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



Run 6: Statistics of TaoVA-100x

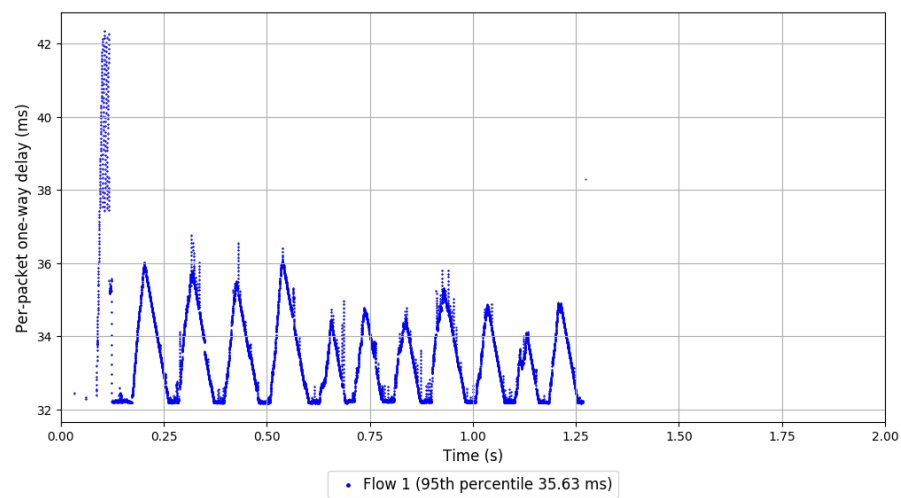
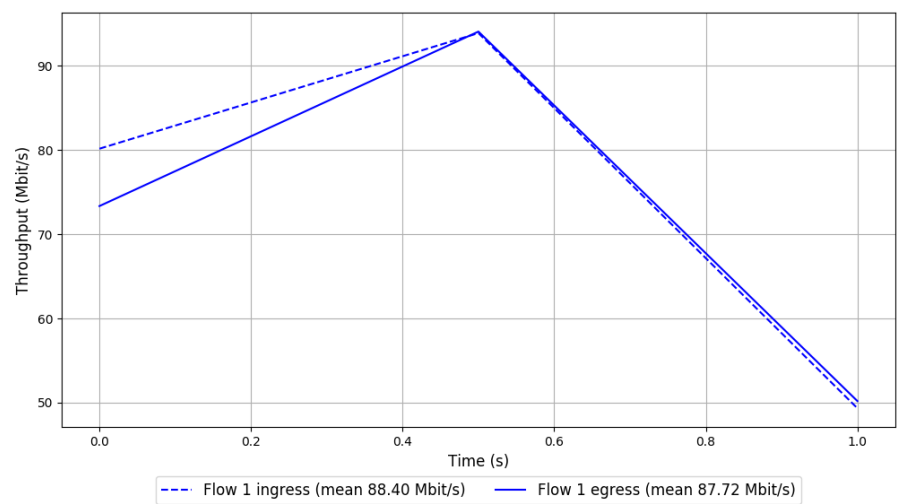
Start at: 2017-08-21 19:51:23

End at: 2017-08-21 19:51:53

Local clock offset: 3.882 ms

Remote clock offset: -13.418 ms

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



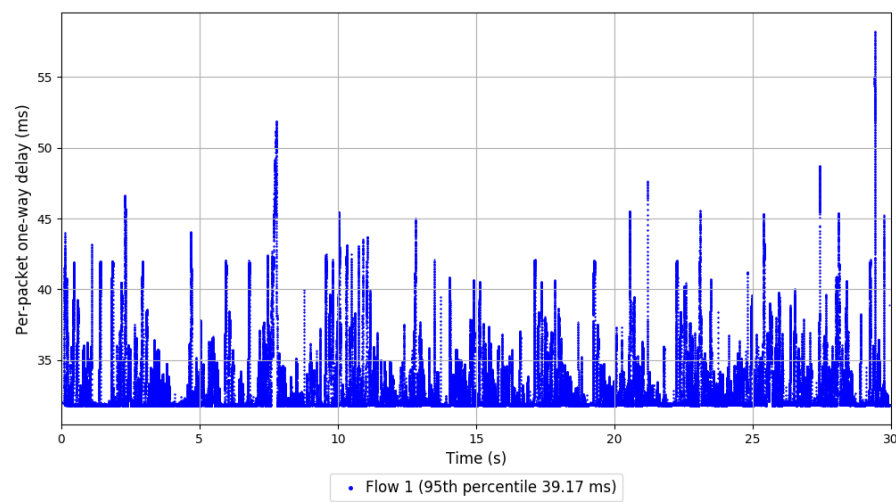
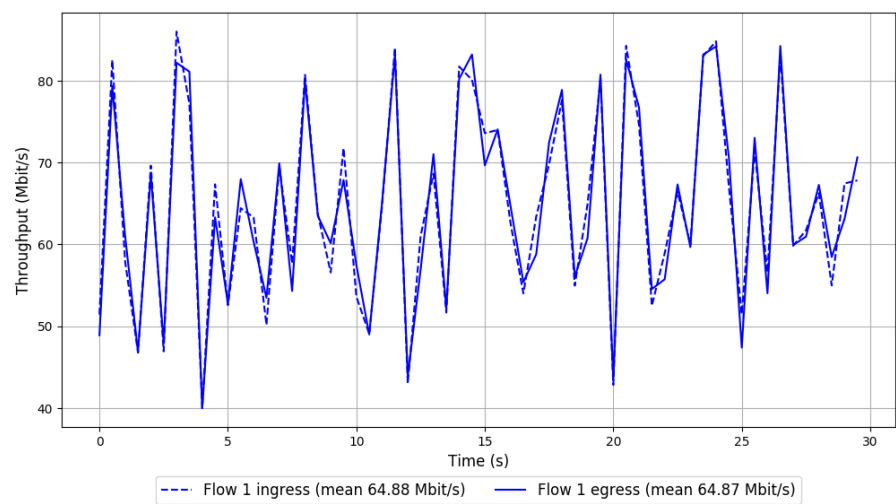
Run 7: Statistics of TaoVA-100x

Start at: 2017-08-21 20:10:48  
End at: 2017-08-21 20:11:18  
Local clock offset: 4.165 ms  
Remote clock offset: -13.639 ms

# Below is generated by plot.py at 2017-08-22 02:41:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 64.87 Mbit/s  
95th percentile per-packet one-way delay: 39.171 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 64.87 Mbit/s  
95th percentile per-packet one-way delay: 39.171 ms  
Loss rate: 0.10%



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

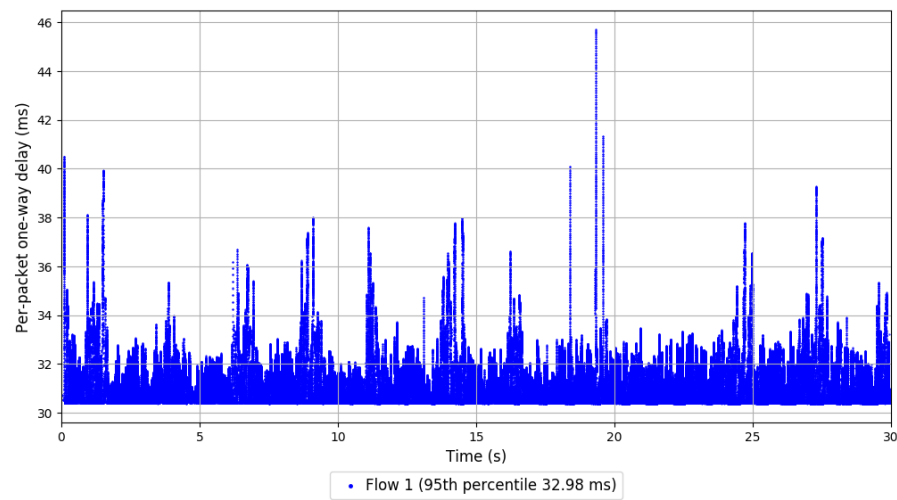
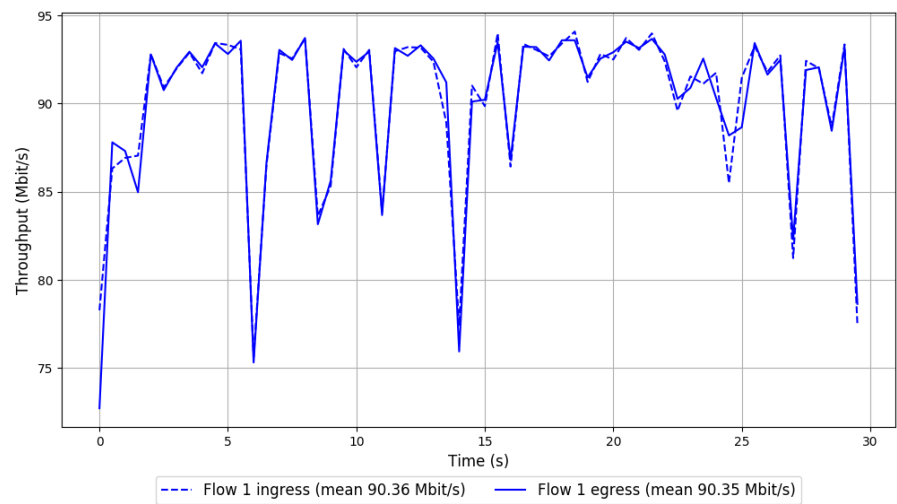


Run 8: Statistics of TaoVA-100x

Start at: 2017-08-21 20:31:07  
End at: 2017-08-21 20:31:37  
Local clock offset: 4.385 ms  
Remote clock offset: -12.686 ms

# Below is generated by plot.py at 2017-08-22 02:41:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.35 Mbit/s  
95th percentile per-packet one-way delay: 32.984 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 90.35 Mbit/s  
95th percentile per-packet one-way delay: 32.984 ms  
Loss rate: 0.09%

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

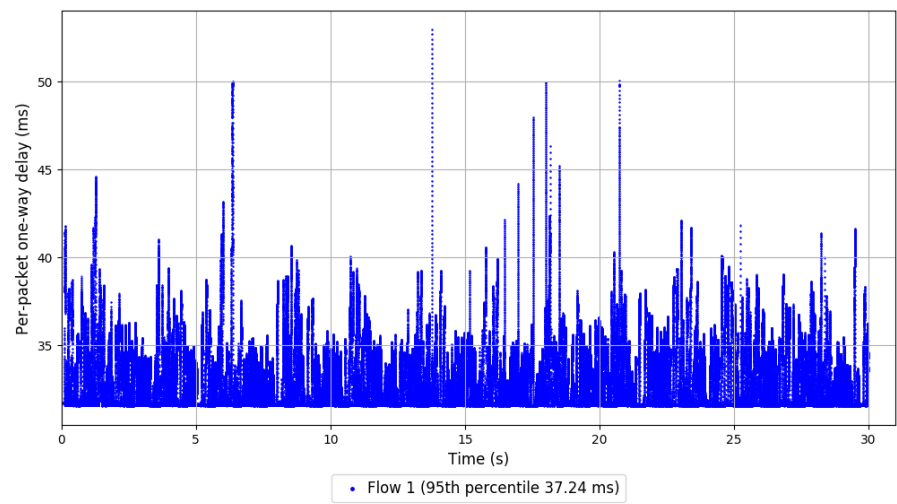
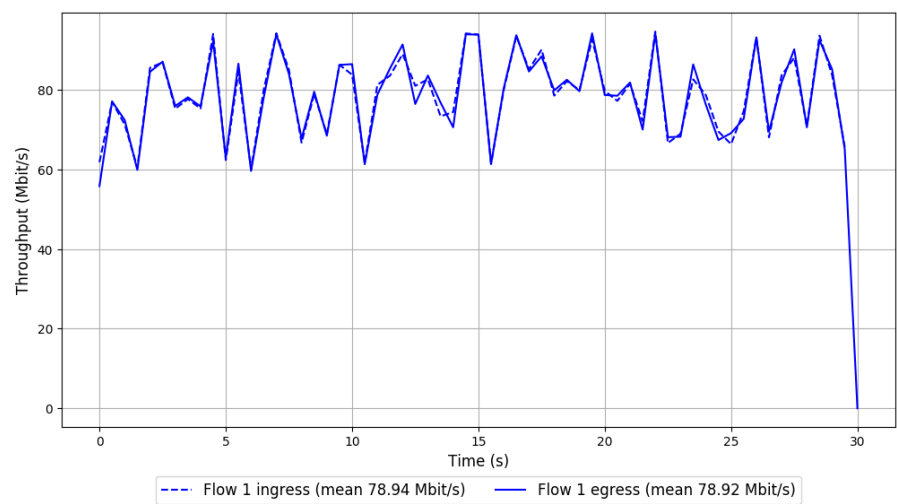


Run 9: Statistics of TaoVA-100x

Start at: 2017-08-21 20:51:15  
End at: 2017-08-21 20:51:45  
Local clock offset: 4.906 ms  
Remote clock offset: -12.126 ms

# Below is generated by plot.py at 2017-08-22 02:41:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.92 Mbit/s  
95th percentile per-packet one-way delay: 37.244 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 78.92 Mbit/s  
95th percentile per-packet one-way delay: 37.244 ms  
Loss rate: 0.11%

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



Run 10: Statistics of TaoVA-100x

Start at: 2017-08-21 21:11:06

End at: 2017-08-21 21:11:36

Local clock offset: 4.229 ms

Remote clock offset: -11.831 ms

# Below is generated by plot.py at 2017-08-22 02:41:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.25 Mbit/s

95th percentile per-packet one-way delay: 33.829 ms

Loss rate: 0.11%

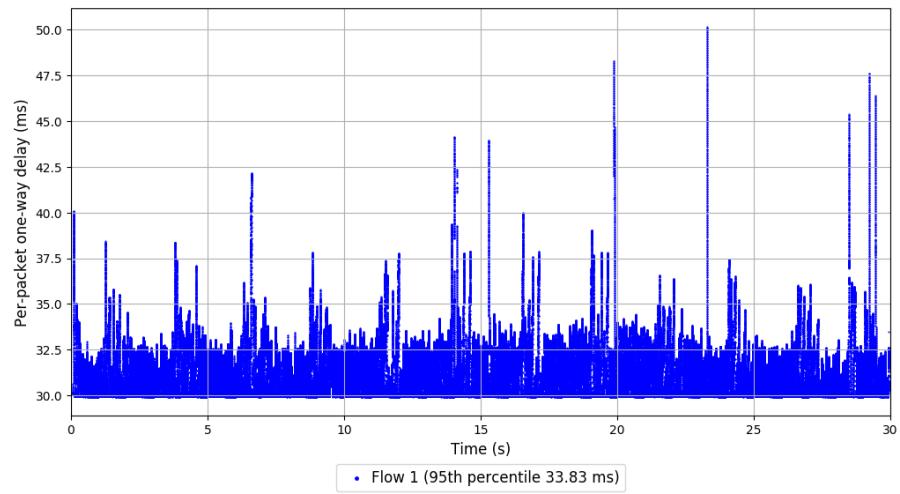
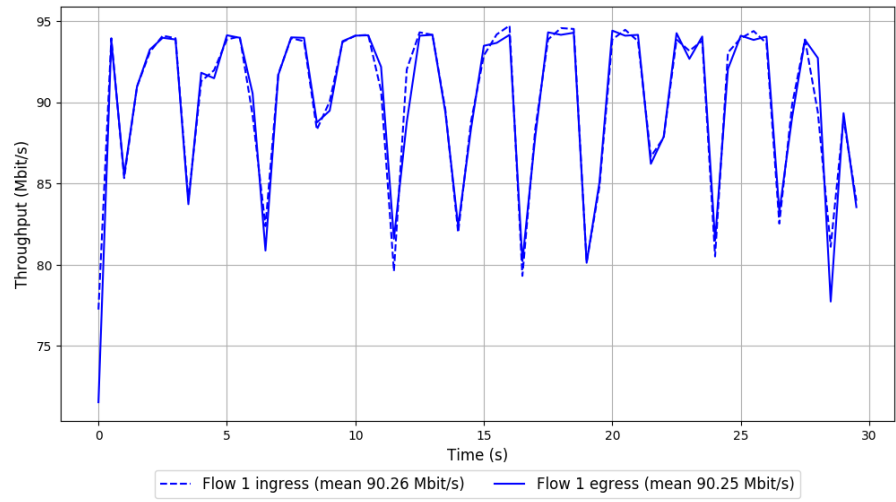
-- Flow 1:

Average throughput: 90.25 Mbit/s

95th percentile per-packet one-way delay: 33.829 ms

Loss rate: 0.11%

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



Run 1: Statistics of TCP Vegas

Start at: 2017-08-21 18:05:18

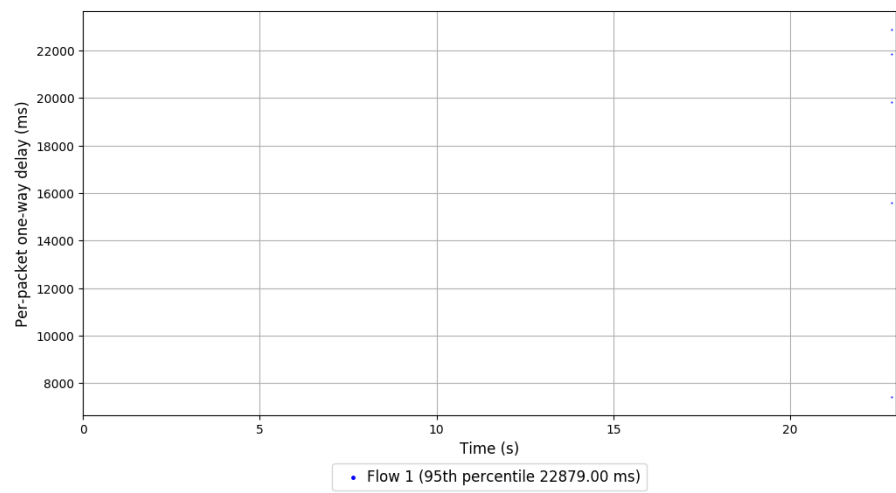
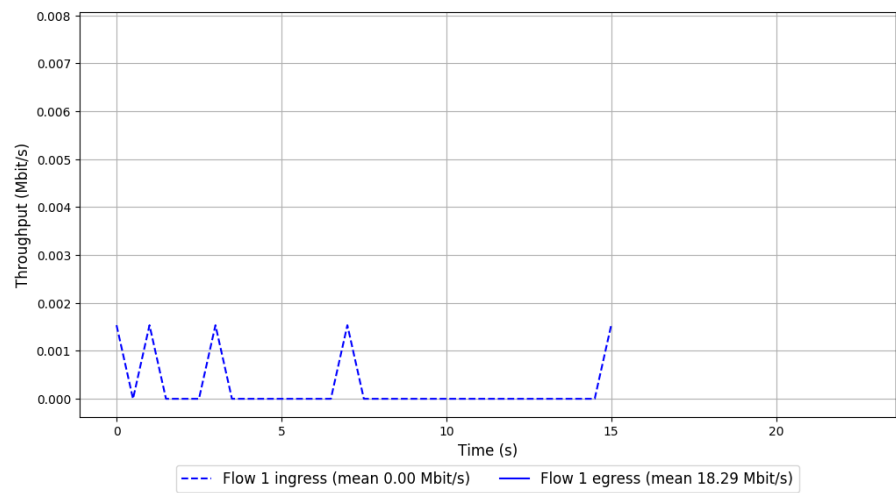
End at: 2017-08-21 18:05:48

Local clock offset: -2.173 ms

Remote clock offset: -12.55 ms



Run 1: Report of TCP Vegas — Data Link

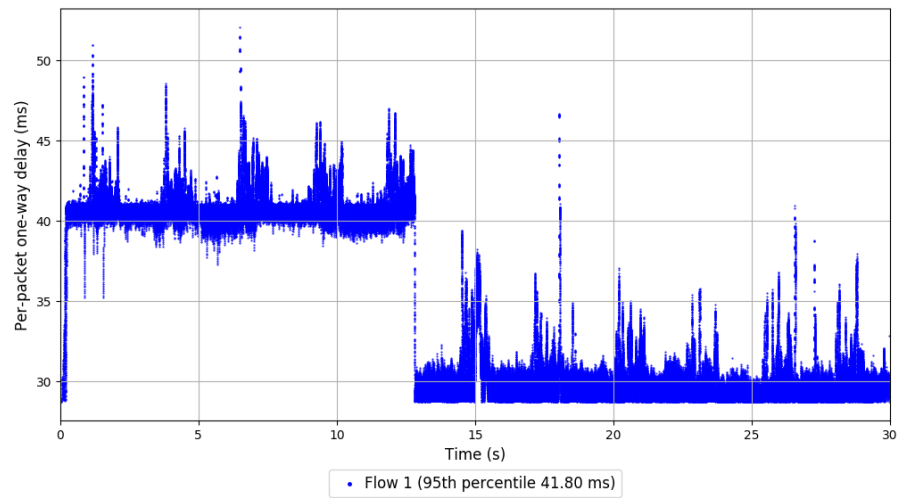
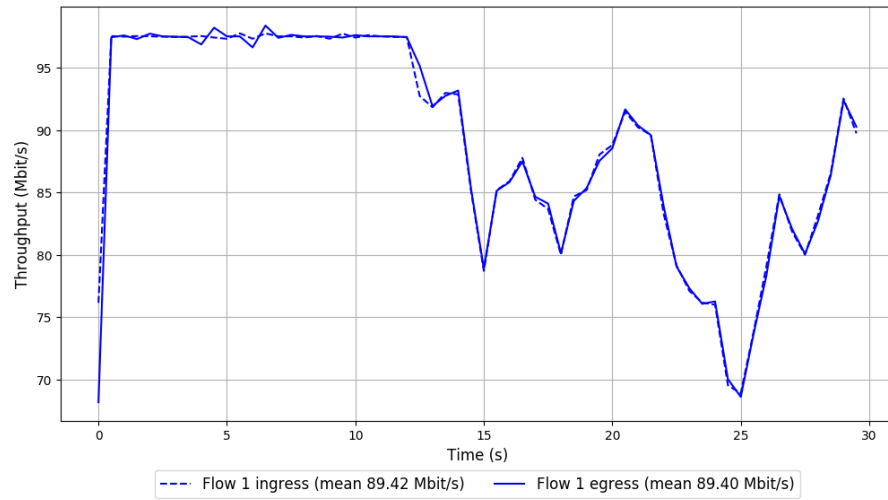


Run 2: Statistics of TCP Vegas

Start at: 2017-08-21 18:26:01  
End at: 2017-08-21 18:26:31  
Local clock offset: -5.534 ms  
Remote clock offset: -14.805 ms

# Below is generated by plot.py at 2017-08-22 02:41:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.40 Mbit/s  
95th percentile per-packet one-way delay: 41.804 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 89.40 Mbit/s  
95th percentile per-packet one-way delay: 41.804 ms  
Loss rate: 0.10%

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

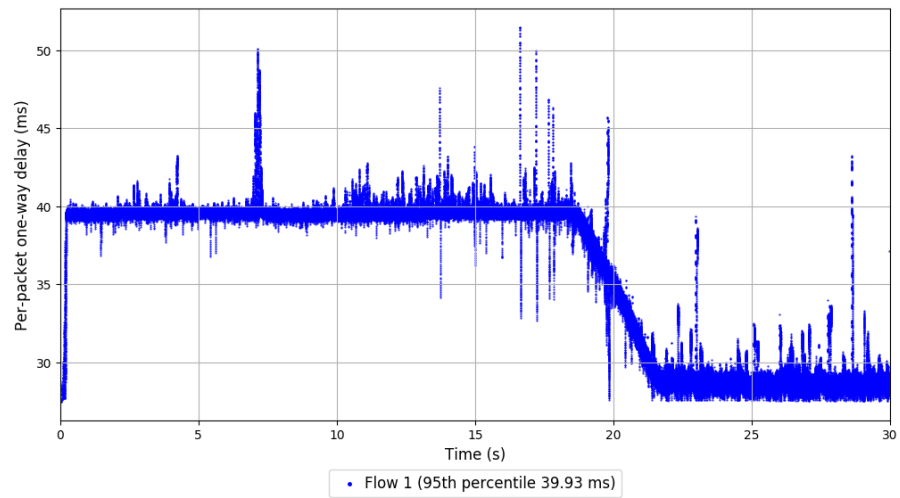
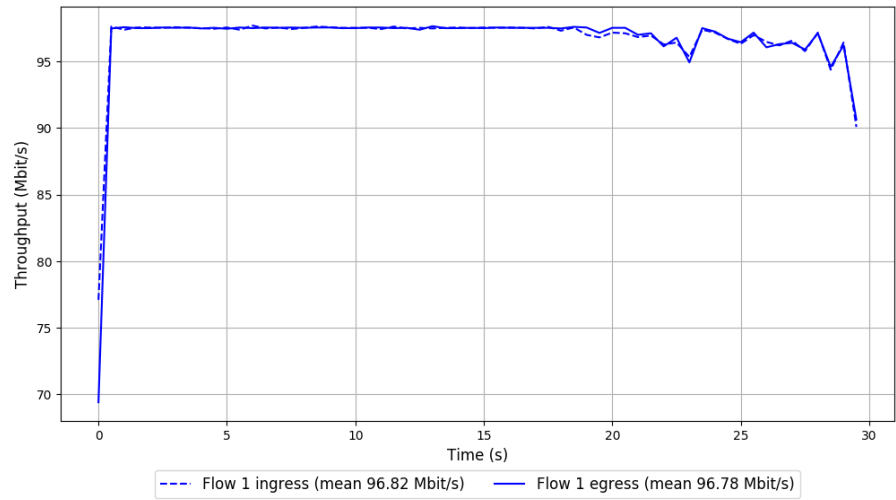


Run 3: Statistics of TCP Vegas

Start at: 2017-08-21 19:02:23  
End at: 2017-08-21 19:02:53  
Local clock offset: -3.358 ms  
Remote clock offset: -11.784 ms

# Below is generated by plot.py at 2017-08-22 02:41:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.78 Mbit/s  
95th percentile per-packet one-way delay: 39.929 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 96.78 Mbit/s  
95th percentile per-packet one-way delay: 39.929 ms  
Loss rate: 0.09%

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

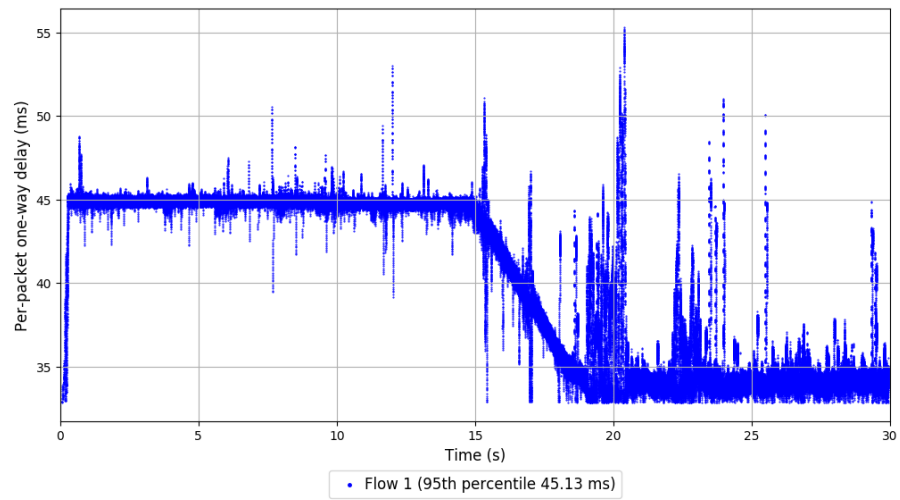
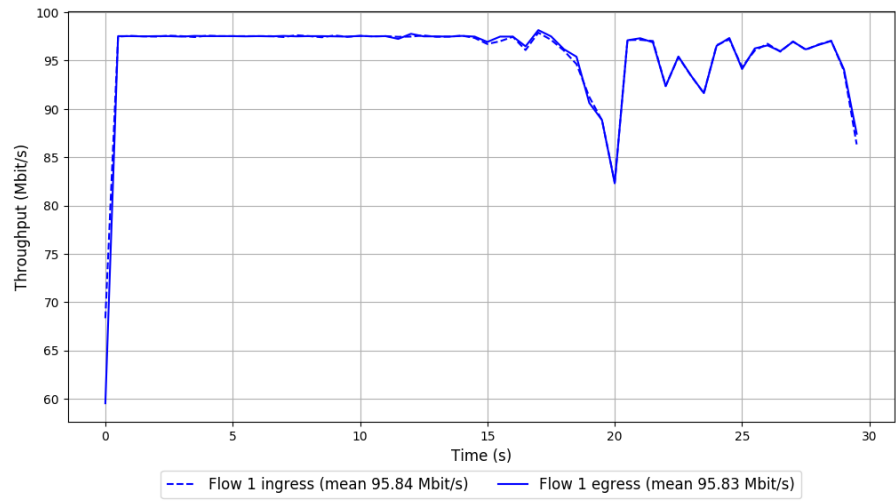


Run 4: Statistics of TCP Vegas

Start at: 2017-08-21 19:21:20  
End at: 2017-08-21 19:21:50  
Local clock offset: 0.379 ms  
Remote clock offset: -14.682 ms

# Below is generated by plot.py at 2017-08-22 02:41:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.83 Mbit/s  
95th percentile per-packet one-way delay: 45.134 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 95.83 Mbit/s  
95th percentile per-packet one-way delay: 45.134 ms  
Loss rate: 0.09%

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



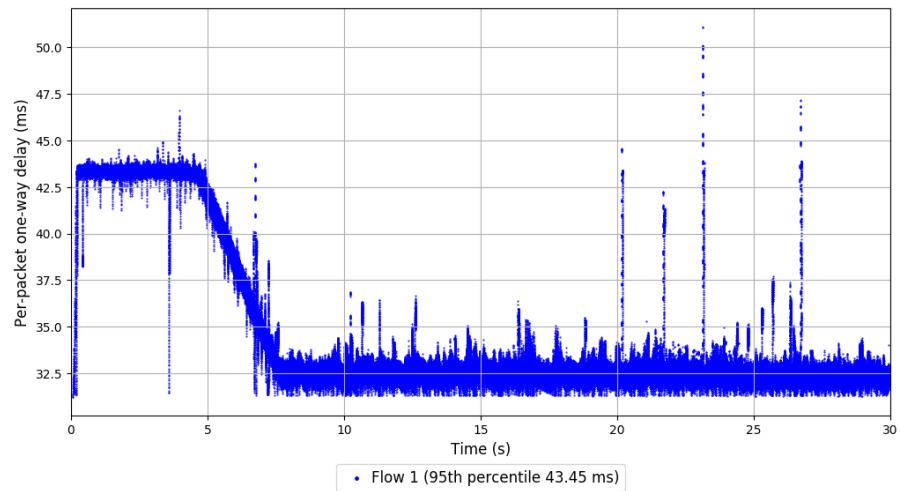
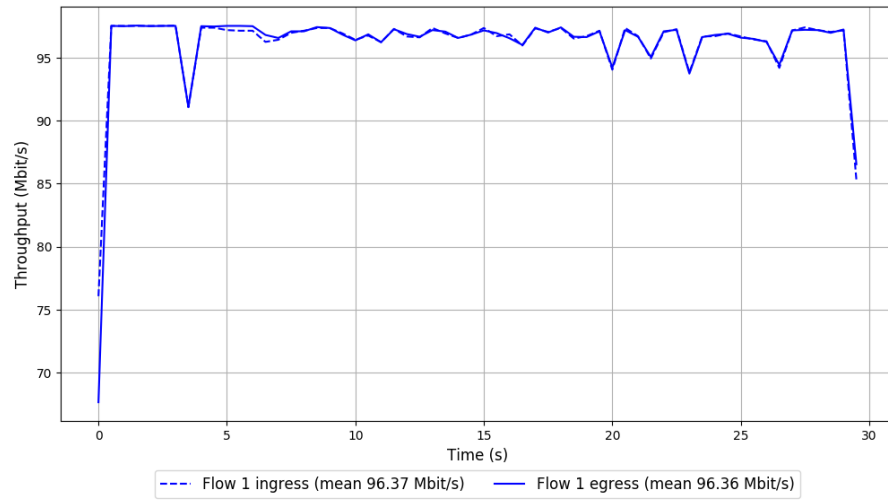
Run 5: Statistics of TCP Vegas

Start at: 2017-08-21 19:39:20  
End at: 2017-08-21 19:39:50  
Local clock offset: 3.0 ms  
Remote clock offset: -12.372 ms

# Below is generated by plot.py at 2017-08-22 02:42:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.36 Mbit/s  
95th percentile per-packet one-way delay: 43.451 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 96.36 Mbit/s  
95th percentile per-packet one-way delay: 43.451 ms  
Loss rate: 0.09%



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

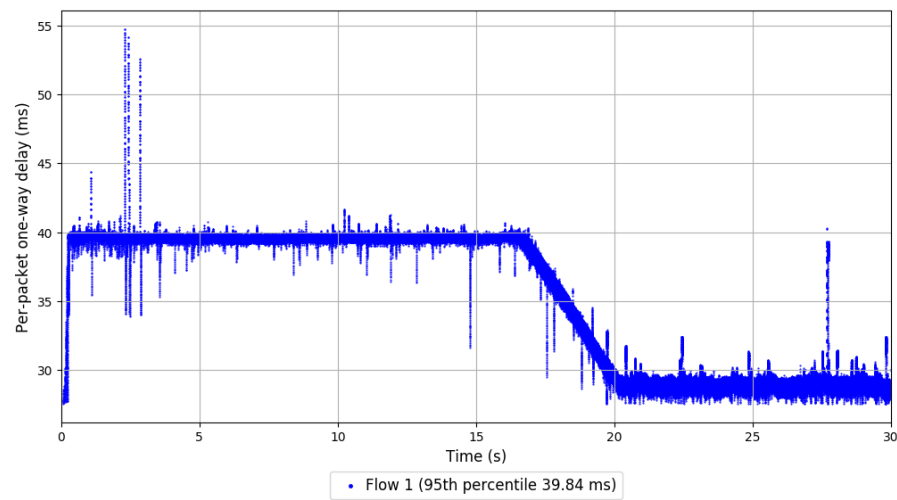
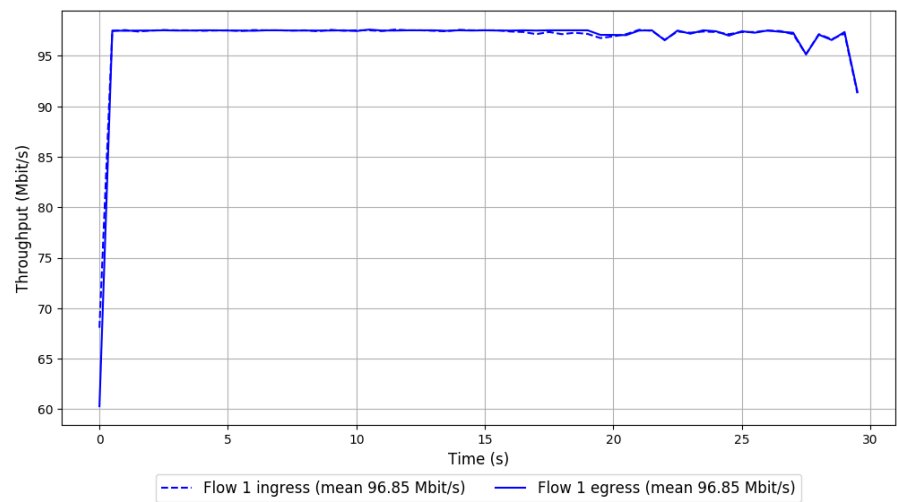


Run 6: Statistics of TCP Vegas

Start at: 2017-08-21 19:57:19  
End at: 2017-08-21 19:57:49  
Local clock offset: 1.147 ms  
Remote clock offset: -12.033 ms

# Below is generated by plot.py at 2017-08-22 02:42:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.85 Mbit/s  
95th percentile per-packet one-way delay: 39.838 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 96.85 Mbit/s  
95th percentile per-packet one-way delay: 39.838 ms  
Loss rate: 0.09%

Run 6: Report of TCP Vegas — Data Link

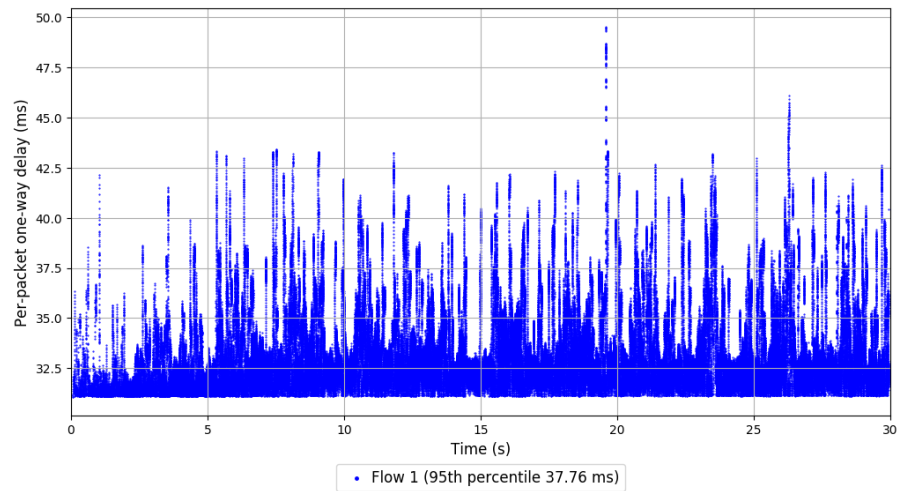
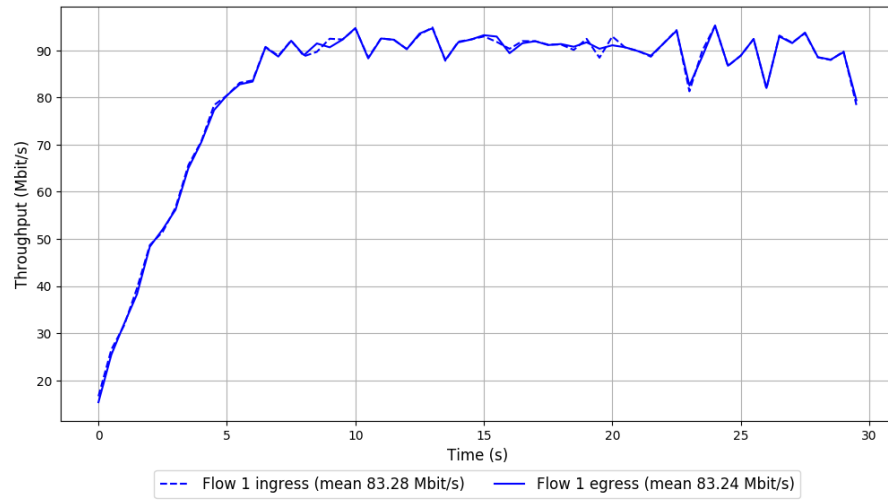


Run 7: Statistics of TCP Vegas

Start at: 2017-08-21 20:17:34  
End at: 2017-08-21 20:18:04  
Local clock offset: 2.685 ms  
Remote clock offset: -14.277 ms

# Below is generated by plot.py at 2017-08-22 02:42:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.24 Mbit/s  
95th percentile per-packet one-way delay: 37.759 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 83.24 Mbit/s  
95th percentile per-packet one-way delay: 37.759 ms  
Loss rate: 0.10%

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

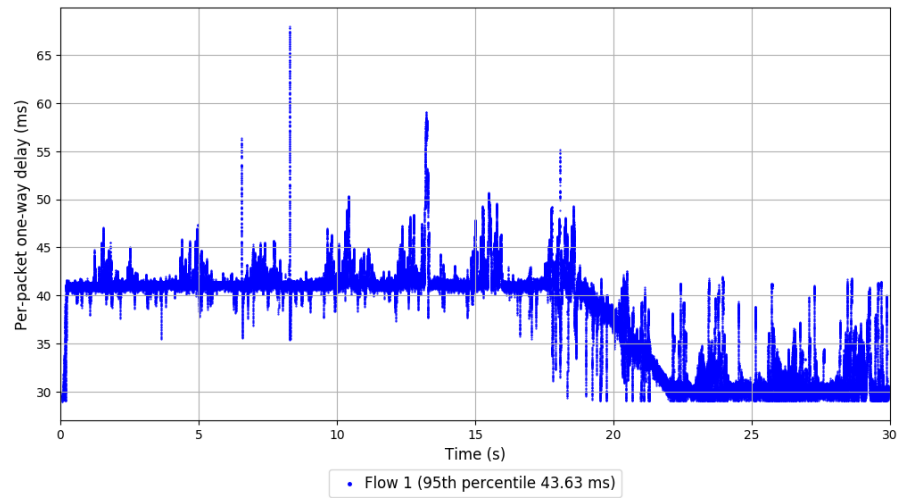
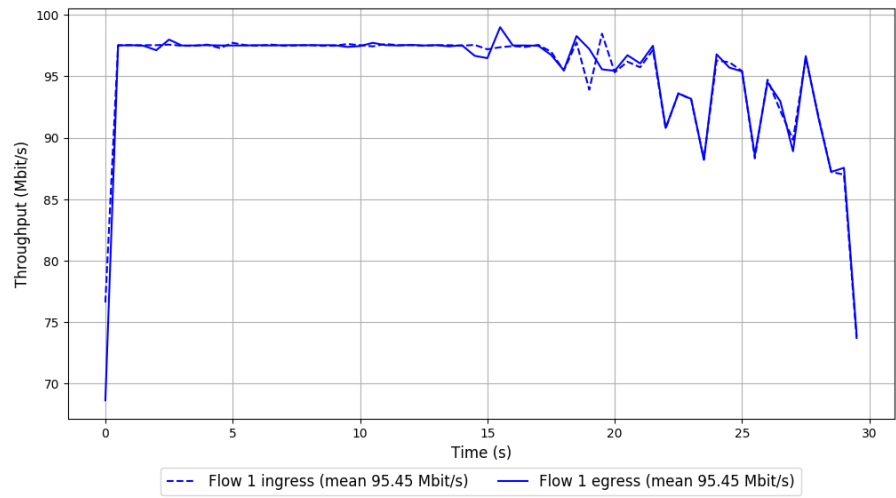


Run 8: Statistics of TCP Vegas

Start at: 2017-08-21 20:38:03  
End at: 2017-08-21 20:38:33  
Local clock offset: 2.498 ms  
Remote clock offset: -12.885 ms

# Below is generated by plot.py at 2017-08-22 02:42:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.45 Mbit/s  
95th percentile per-packet one-way delay: 43.633 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 95.45 Mbit/s  
95th percentile per-packet one-way delay: 43.633 ms  
Loss rate: 0.09%

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



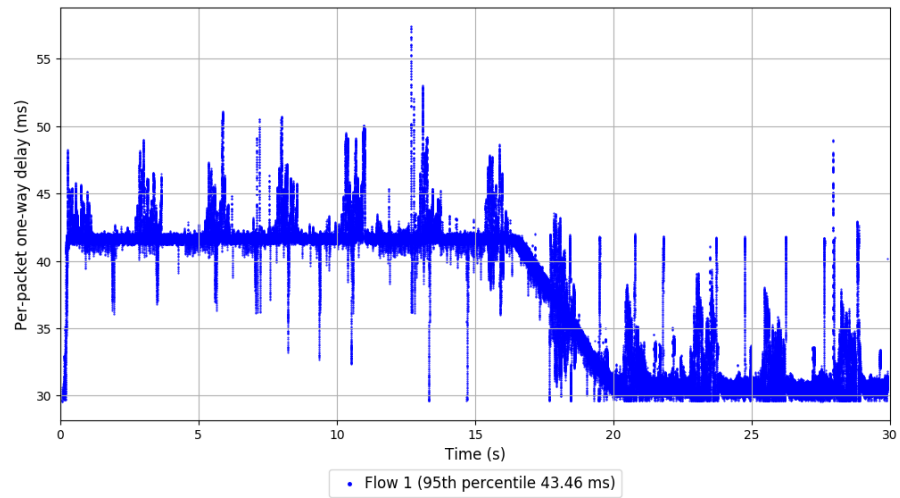
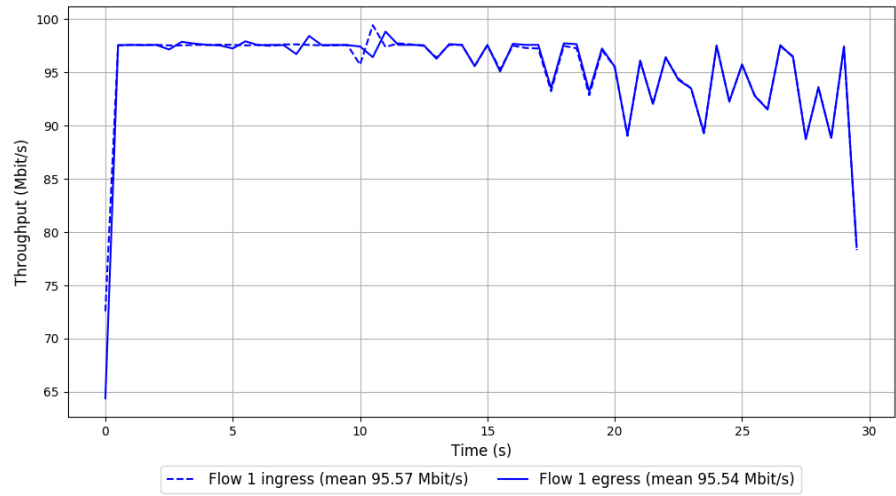
Run 9: Statistics of TCP Vegas

Start at: 2017-08-21 20:58:03  
End at: 2017-08-21 20:58:33  
Local clock offset: 3.967 ms  
Remote clock offset: -11.449 ms

# Below is generated by plot.py at 2017-08-22 02:42:32  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.54 Mbit/s  
95th percentile per-packet one-way delay: 43.459 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 95.54 Mbit/s  
95th percentile per-packet one-way delay: 43.459 ms  
Loss rate: 0.10%



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

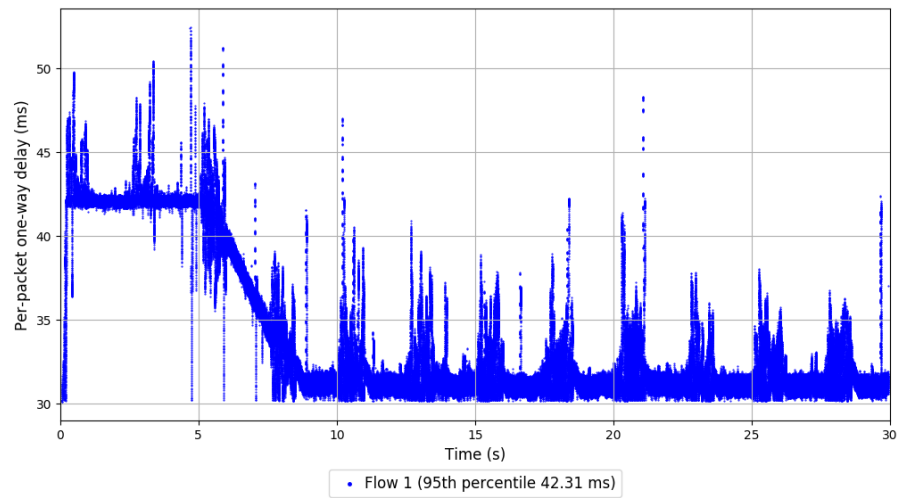
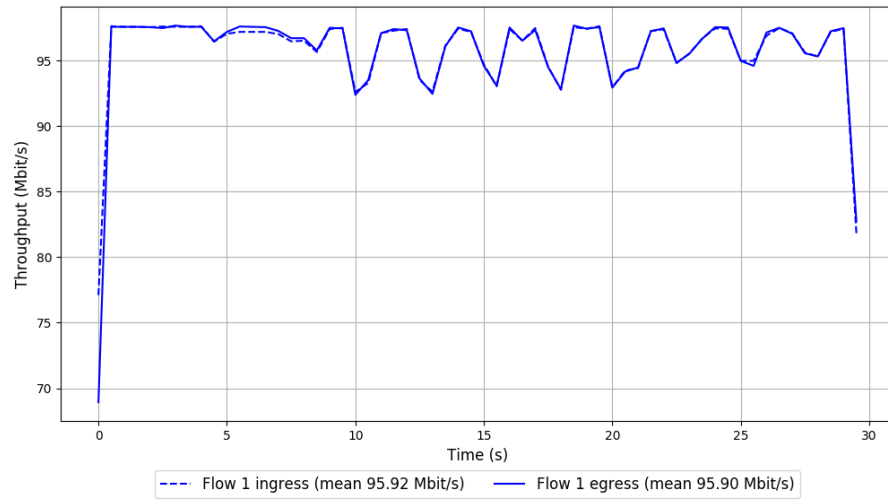


Run 10: Statistics of TCP Vegas

Start at: 2017-08-21 21:18:17  
End at: 2017-08-21 21:18:47  
Local clock offset: 2.071 ms  
Remote clock offset: -14.139 ms

# Below is generated by plot.py at 2017-08-22 02:42:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.90 Mbit/s  
95th percentile per-packet one-way delay: 42.313 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 95.90 Mbit/s  
95th percentile per-packet one-way delay: 42.313 ms  
Loss rate: 0.09%

# Run 10: Report of TCP Vegas — Data Link

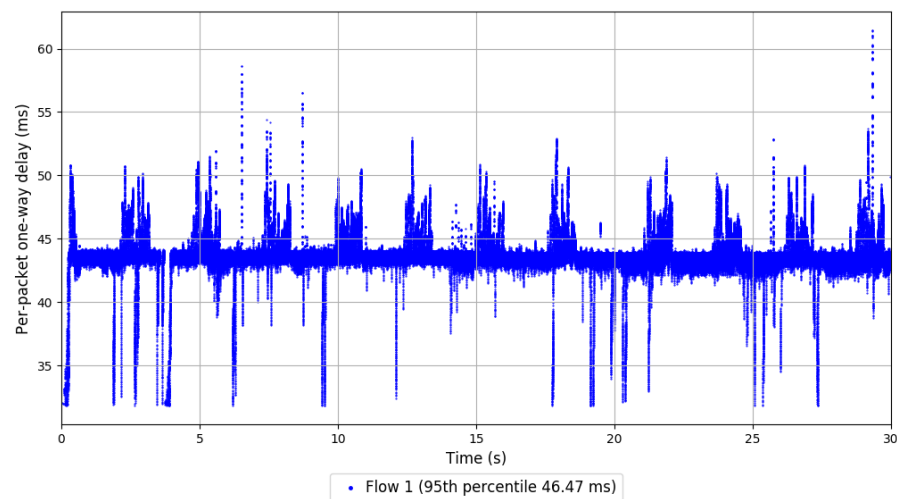
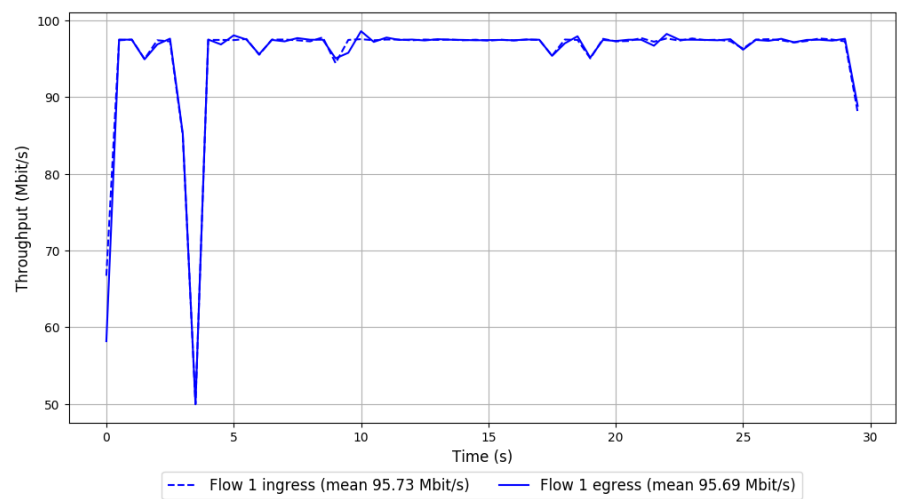


Run 1: Statistics of Verus

Start at: 2017-08-21 18:14:25  
End at: 2017-08-21 18:14:55  
Local clock offset: -2.876 ms  
Remote clock offset: -14.596 ms

# Below is generated by plot.py at 2017-08-22 02:42:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.69 Mbit/s  
95th percentile per-packet one-way delay: 46.468 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 95.69 Mbit/s  
95th percentile per-packet one-way delay: 46.468 ms  
Loss rate: 0.13%

Run 1: Report of Verus — Data Link

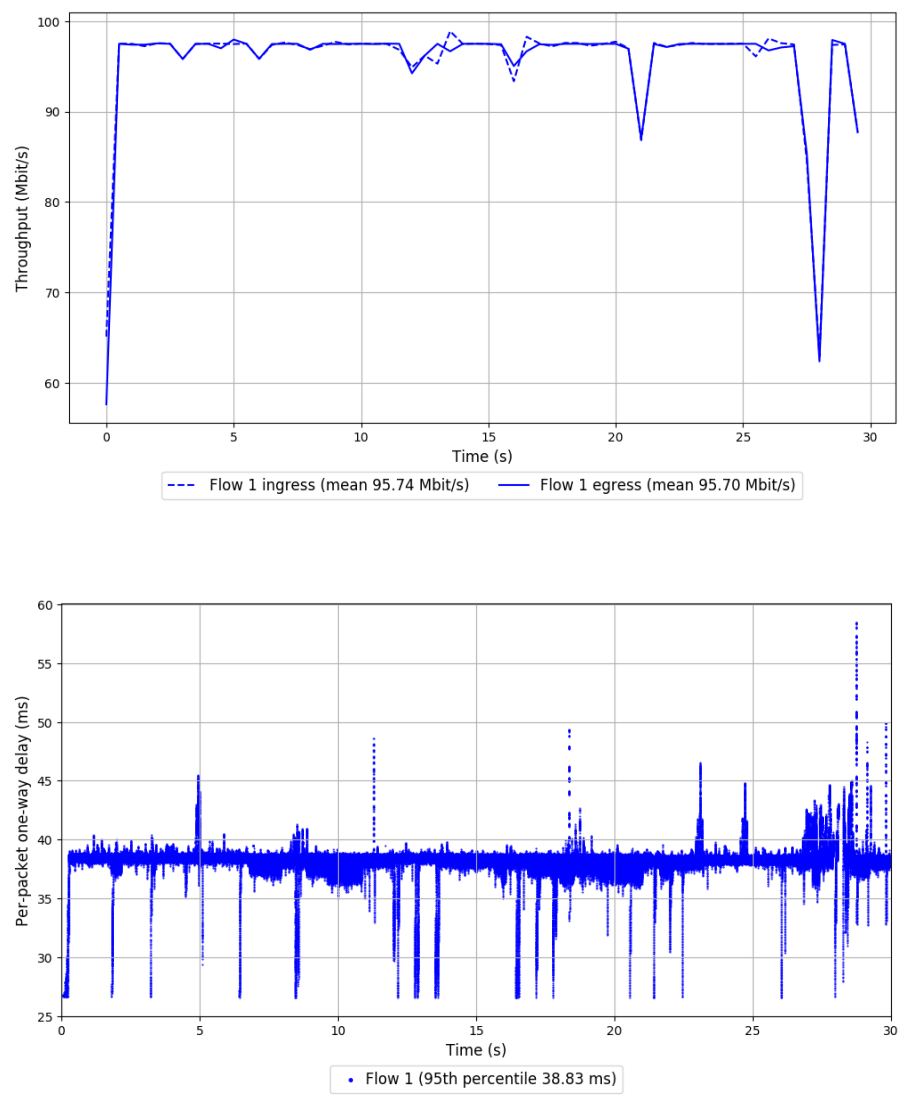


Run 2: Statistics of Verus

Start at: 2017-08-21 18:51:27  
End at: 2017-08-21 18:51:57  
Local clock offset: -5.513 ms  
Remote clock offset: -11.897 ms

# Below is generated by plot.py at 2017-08-22 02:42:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.70 Mbit/s  
95th percentile per-packet one-way delay: 38.833 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 95.70 Mbit/s  
95th percentile per-packet one-way delay: 38.833 ms  
Loss rate: 0.13%

Run 2: Report of Verus — Data Link



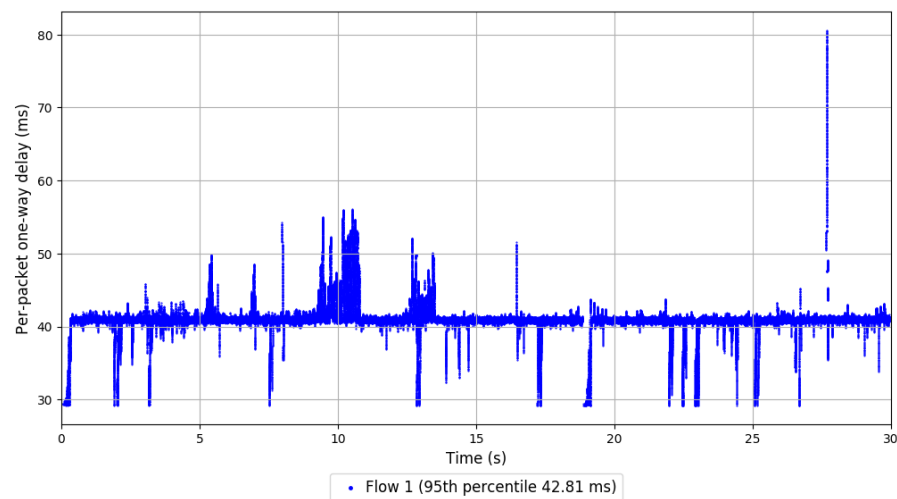
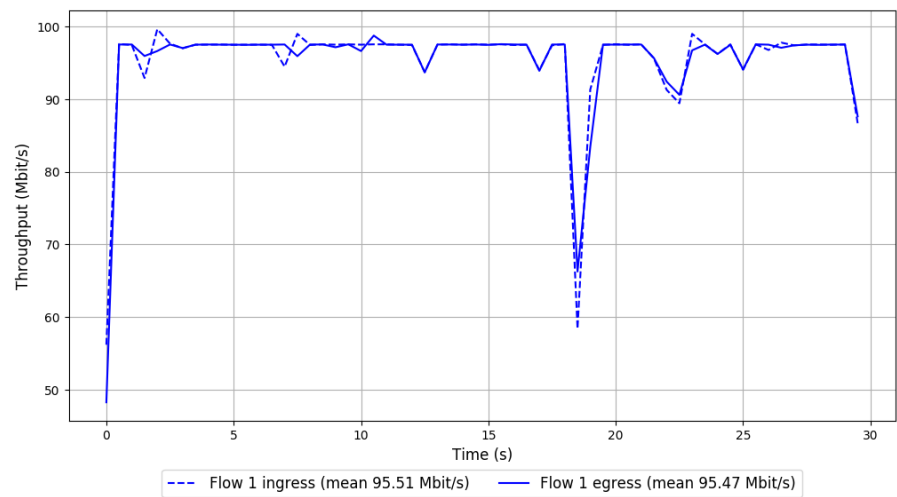
Run 3: Statistics of Verus

Start at: 2017-08-21 19:11:07  
End at: 2017-08-21 19:11:37  
Local clock offset: -3.962 ms  
Remote clock offset: -14.485 ms

# Below is generated by plot.py at 2017-08-22 02:42:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.47 Mbit/s  
95th percentile per-packet one-way delay: 42.814 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 95.47 Mbit/s  
95th percentile per-packet one-way delay: 42.814 ms  
Loss rate: 0.12%



Run 3: Report of Verus — Data Link

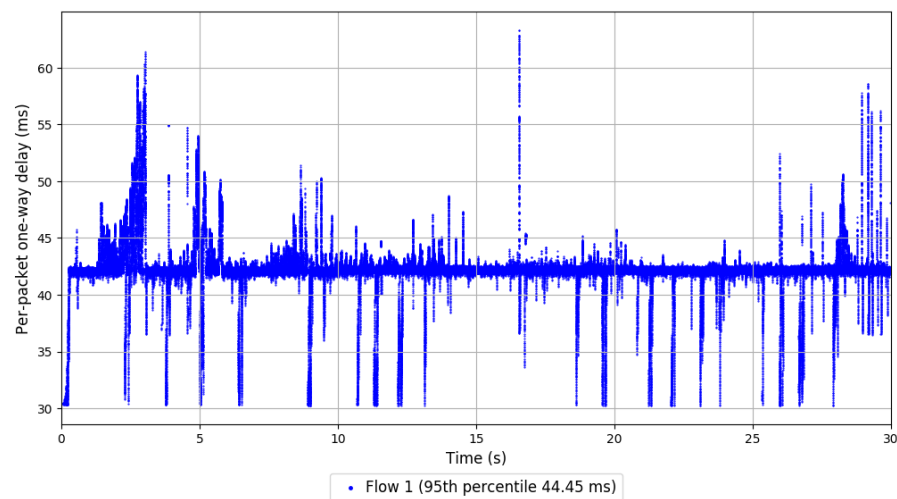
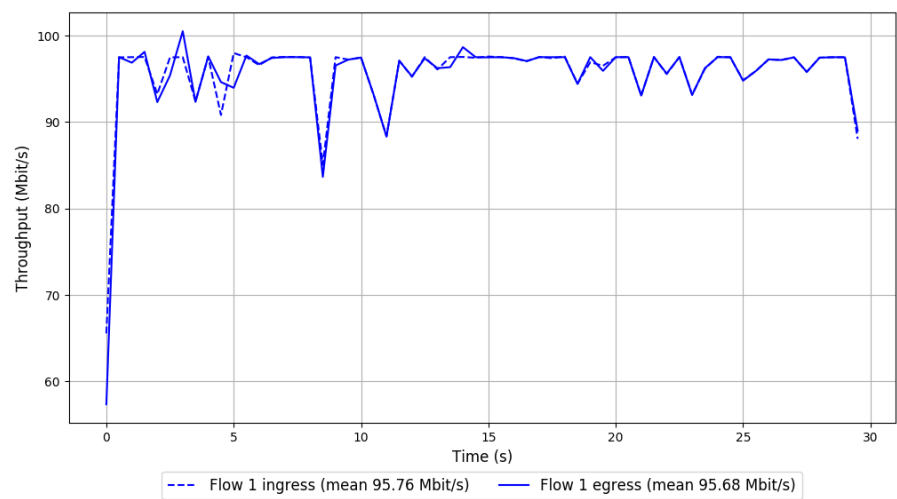


Run 4: Statistics of Verus

Start at: 2017-08-21 19:29:28  
End at: 2017-08-21 19:29:58  
Local clock offset: 0.497 ms  
Remote clock offset: -12.854 ms

# Below is generated by plot.py at 2017-08-22 02:43:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.68 Mbit/s  
95th percentile per-packet one-way delay: 44.450 ms  
Loss rate: 0.17%  
-- Flow 1:  
Average throughput: 95.68 Mbit/s  
95th percentile per-packet one-way delay: 44.450 ms  
Loss rate: 0.17%

Run 4: Report of Verus — Data Link

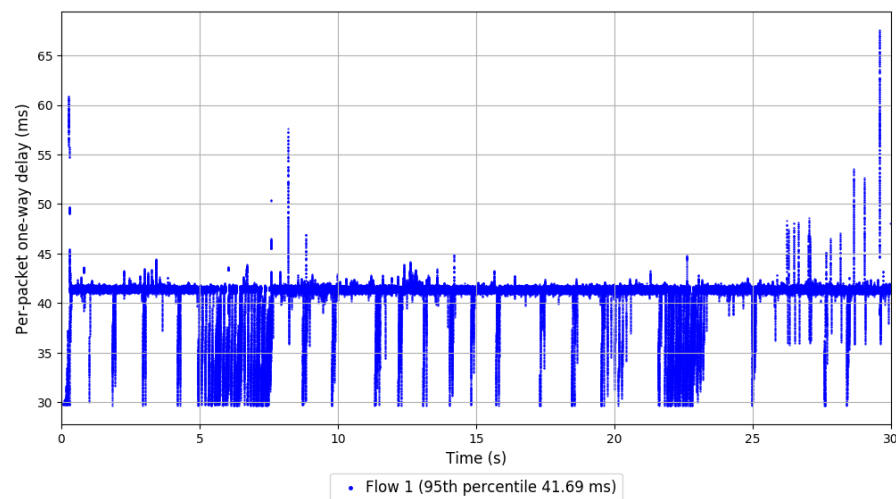
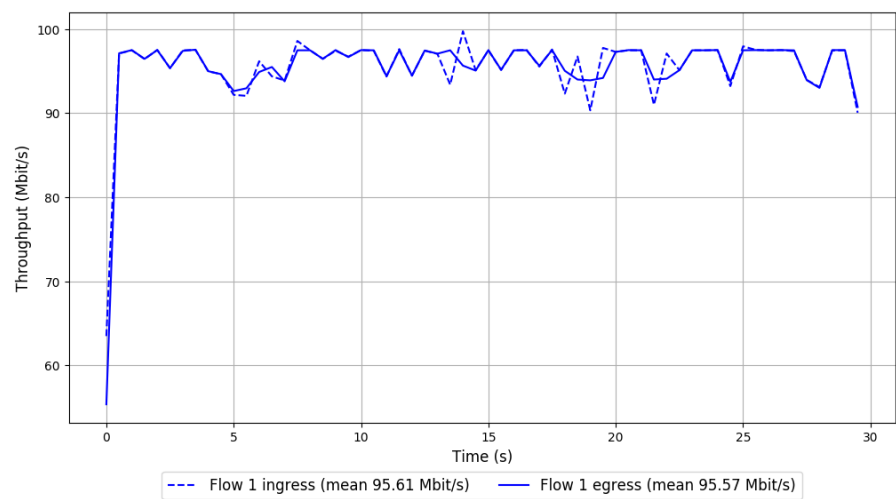


Run 5: Statistics of Verus

Start at: 2017-08-21 19:47:34  
End at: 2017-08-21 19:48:04  
Local clock offset: 0.91 ms  
Remote clock offset: -13.474 ms

# Below is generated by plot.py at 2017-08-22 02:43:10  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.57 Mbit/s  
95th percentile per-packet one-way delay: 41.690 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 95.57 Mbit/s  
95th percentile per-packet one-way delay: 41.690 ms  
Loss rate: 0.13%

Run 5: Report of Verus — Data Link

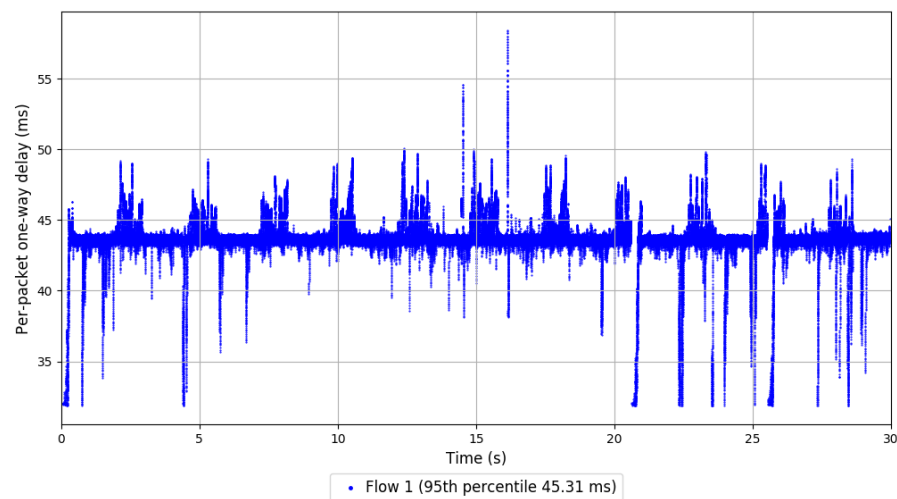
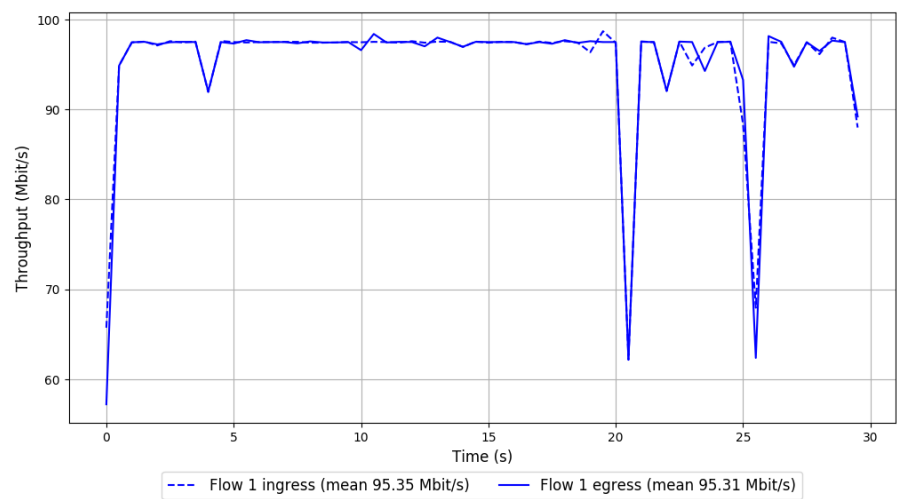


Run 6: Statistics of Verus

Start at: 2017-08-21 20:06:20  
End at: 2017-08-21 20:06:50  
Local clock offset: 3.395 ms  
Remote clock offset: -14.595 ms

# Below is generated by plot.py at 2017-08-22 02:43:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.31 Mbit/s  
95th percentile per-packet one-way delay: 45.310 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 95.31 Mbit/s  
95th percentile per-packet one-way delay: 45.310 ms  
Loss rate: 0.13%

Run 6: Report of Verus — Data Link



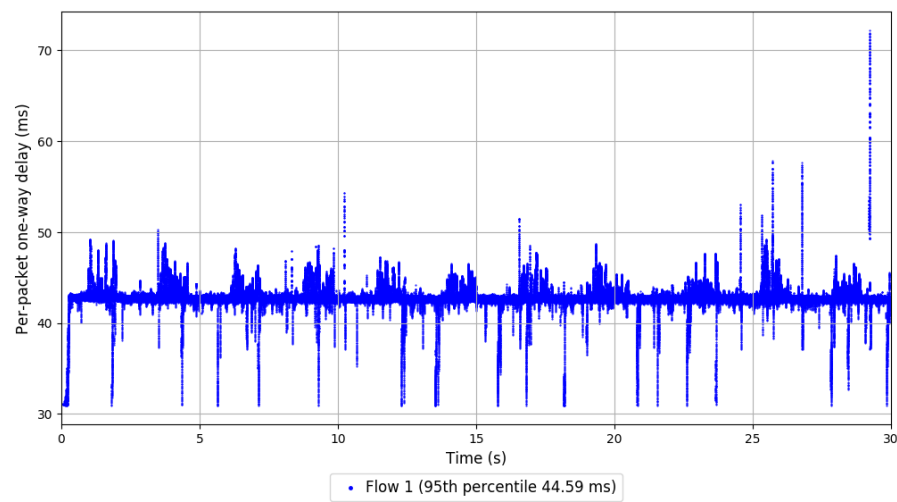
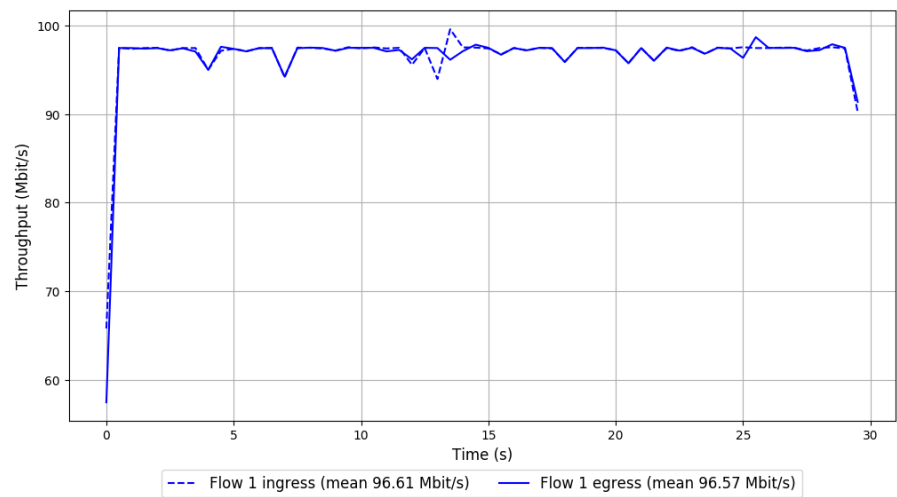
Run 7: Statistics of Verus

Start at: 2017-08-21 20:26:52  
End at: 2017-08-21 20:27:22  
Local clock offset: 5.227 ms  
Remote clock offset: -12.101 ms

# Below is generated by plot.py at 2017-08-22 02:43:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.57 Mbit/s  
95th percentile per-packet one-way delay: 44.593 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 96.57 Mbit/s  
95th percentile per-packet one-way delay: 44.593 ms  
Loss rate: 0.12%



Run 7: Report of Verus — Data Link

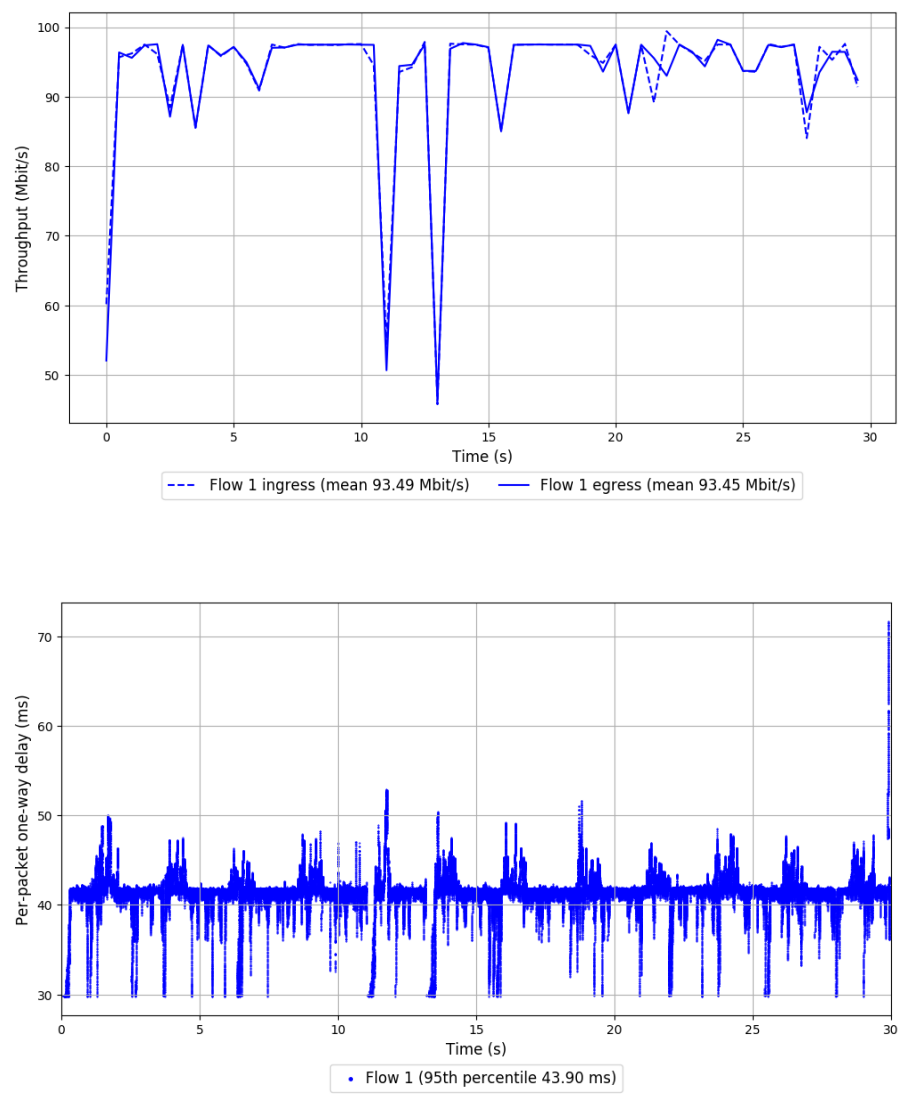


Run 8: Statistics of Verus

Start at: 2017-08-21 20:46:51  
End at: 2017-08-21 20:47:21  
Local clock offset: 4.044 ms  
Remote clock offset: -11.488 ms

# Below is generated by plot.py at 2017-08-22 02:43:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.45 Mbit/s  
95th percentile per-packet one-way delay: 43.896 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 93.45 Mbit/s  
95th percentile per-packet one-way delay: 43.896 ms  
Loss rate: 0.13%

Run 8: Report of Verus — Data Link

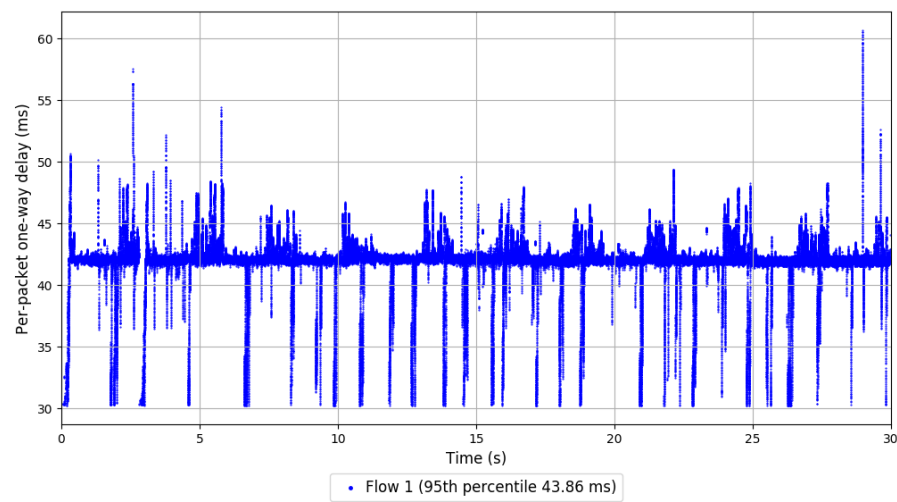
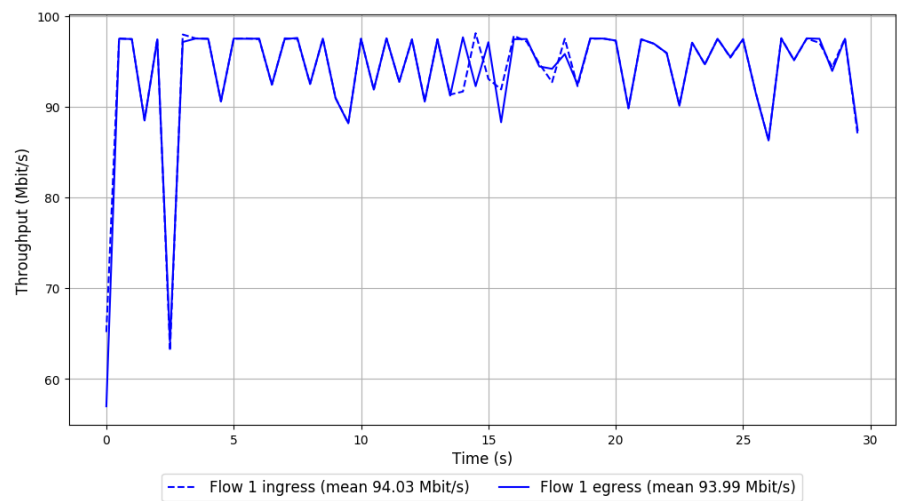


Run 9: Statistics of Verus

Start at: 2017-08-21 21:06:46  
End at: 2017-08-21 21:07:16  
Local clock offset: 3.463 ms  
Remote clock offset: -12.854 ms

# Below is generated by plot.py at 2017-08-22 02:43:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.99 Mbit/s  
95th percentile per-packet one-way delay: 43.856 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 93.99 Mbit/s  
95th percentile per-packet one-way delay: 43.856 ms  
Loss rate: 0.14%

Run 9: Report of Verus — Data Link

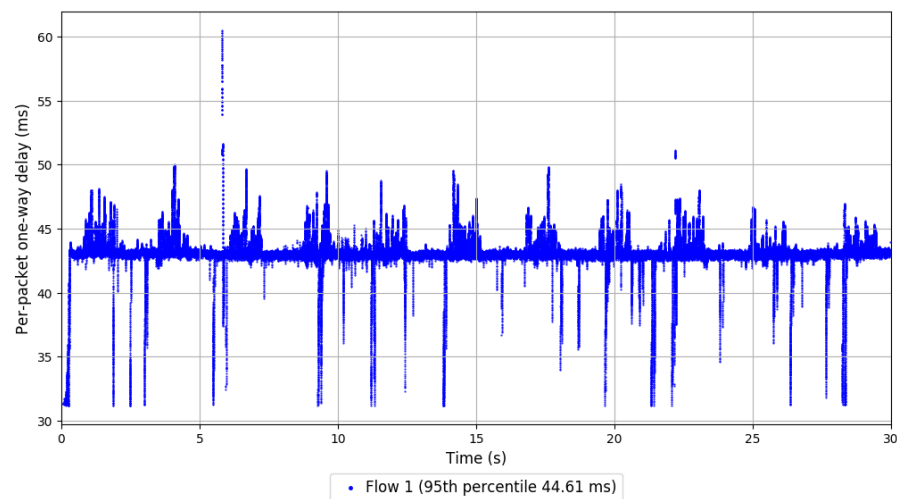
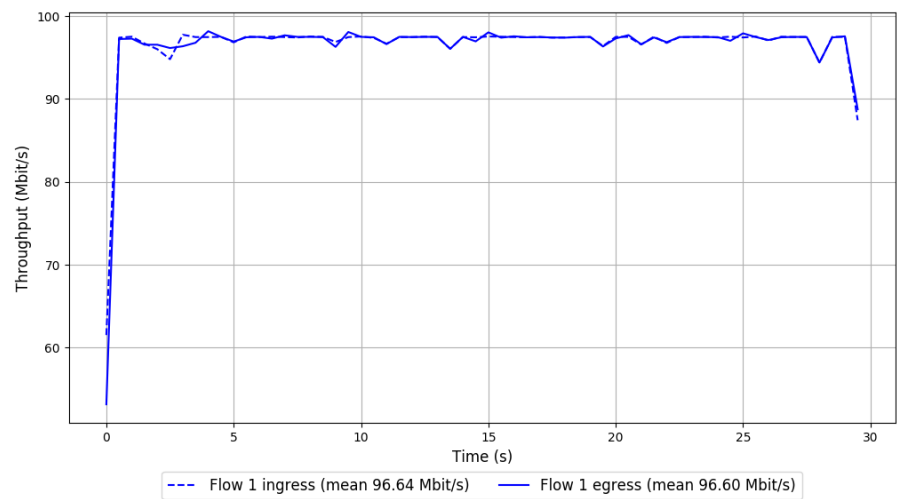


Run 10: Statistics of Verus

Start at: 2017-08-21 21:27:28  
End at: 2017-08-21 21:27:58  
Local clock offset: 4.952 ms  
Remote clock offset: -11.96 ms

# Below is generated by plot.py at 2017-08-22 02:43:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.60 Mbit/s  
95th percentile per-packet one-way delay: 44.610 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 96.60 Mbit/s  
95th percentile per-packet one-way delay: 44.610 ms  
Loss rate: 0.12%

Run 10: Report of Verus — Data Link



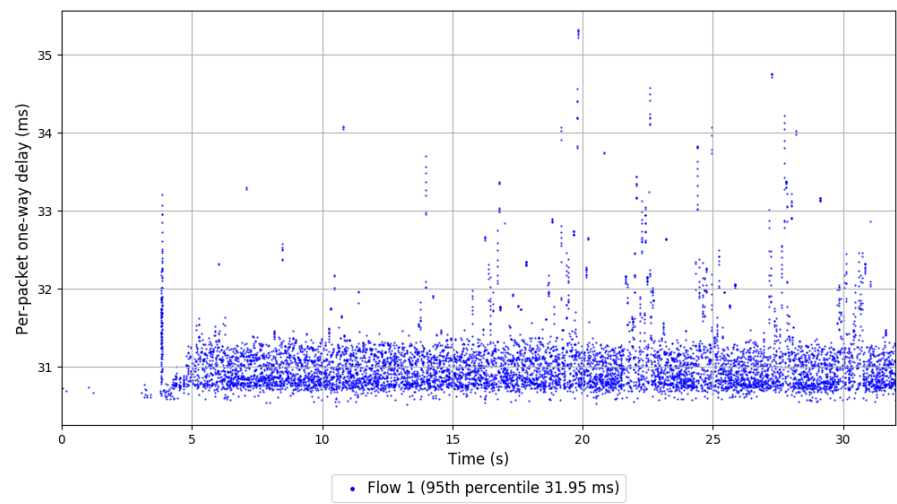
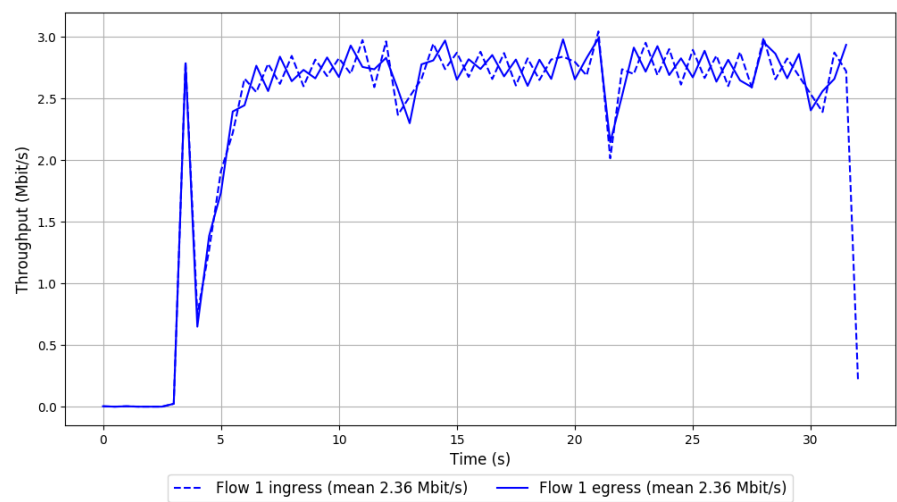
```
Run 1: Statistics of WebRTC media

Start at: 2017-08-21 18:13:17
End at: 2017-08-21 18:13:47
Local clock offset: -2.523 ms
Remote clock offset: -13.053 ms

# Below is generated by plot.py at 2017-08-22 02:43:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 31.955 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 31.955 ms
Loss rate: 0.15%
```



Run 1: Report of WebRTC media — Data Link

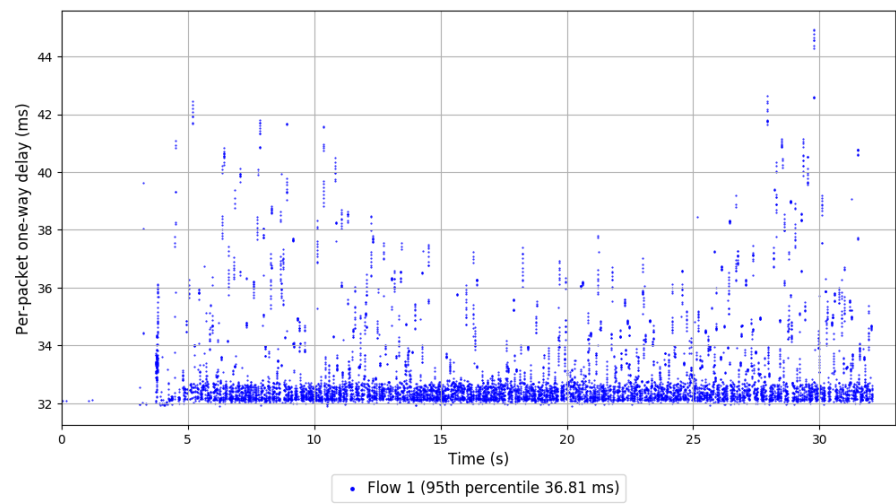
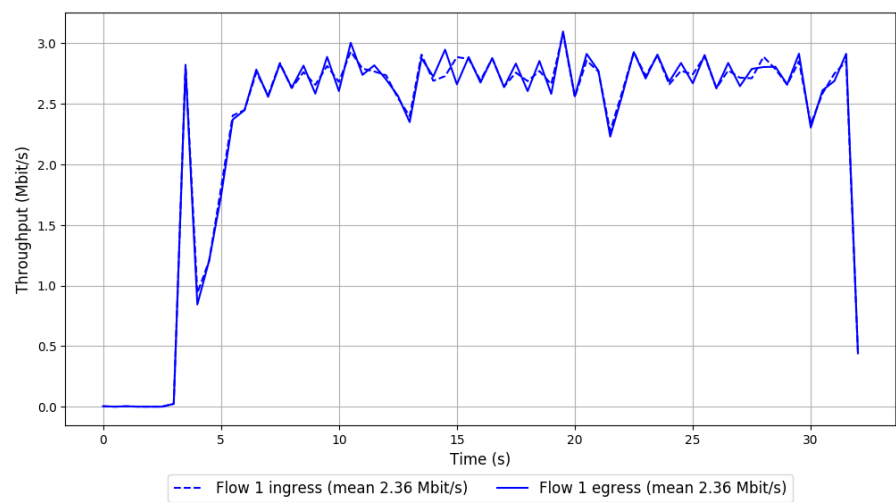


Run 2: Statistics of WebRTC media

Start at: 2017-08-21 18:49:51  
End at: 2017-08-21 18:50:21  
Local clock offset: -1.272 ms  
Remote clock offset: -13.025 ms

# Below is generated by plot.py at 2017-08-22 02:43:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.36 Mbit/s  
95th percentile per-packet one-way delay: 36.812 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 2.36 Mbit/s  
95th percentile per-packet one-way delay: 36.812 ms  
Loss rate: 0.10%

Run 2: Report of WebRTC media — Data Link

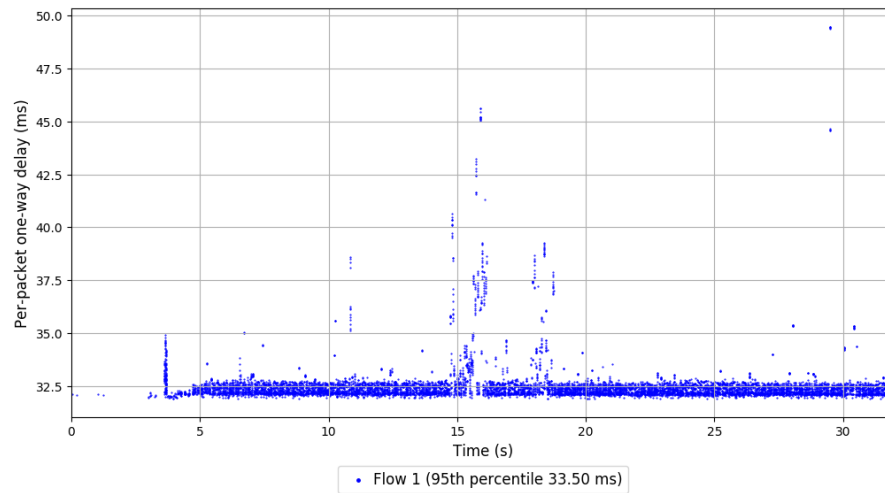
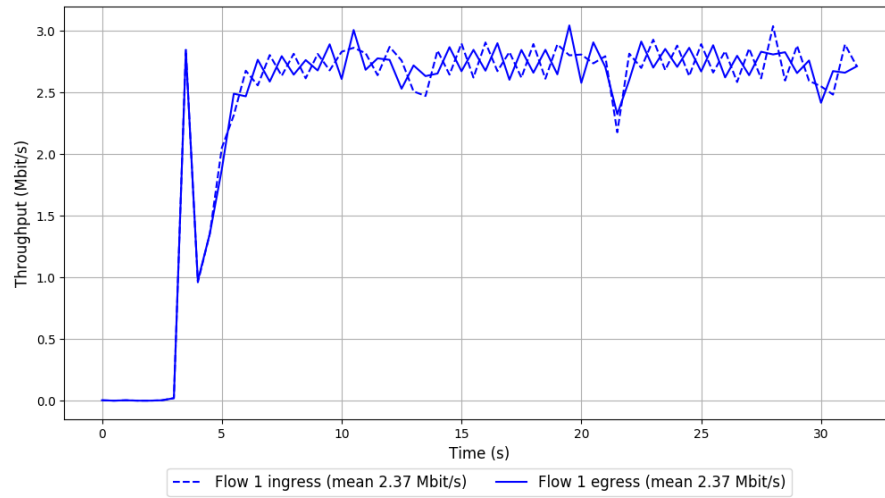


Run 3: Statistics of WebRTC media

Start at: 2017-08-21 19:10:02  
End at: 2017-08-21 19:10:32  
Local clock offset: -0.852 ms  
Remote clock offset: -14.178 ms

# Below is generated by plot.py at 2017-08-22 02:43:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.37 Mbit/s  
95th percentile per-packet one-way delay: 33.499 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 2.37 Mbit/s  
95th percentile per-packet one-way delay: 33.499 ms  
Loss rate: 0.15%

### Run 3: Report of WebRTC media — Data Link

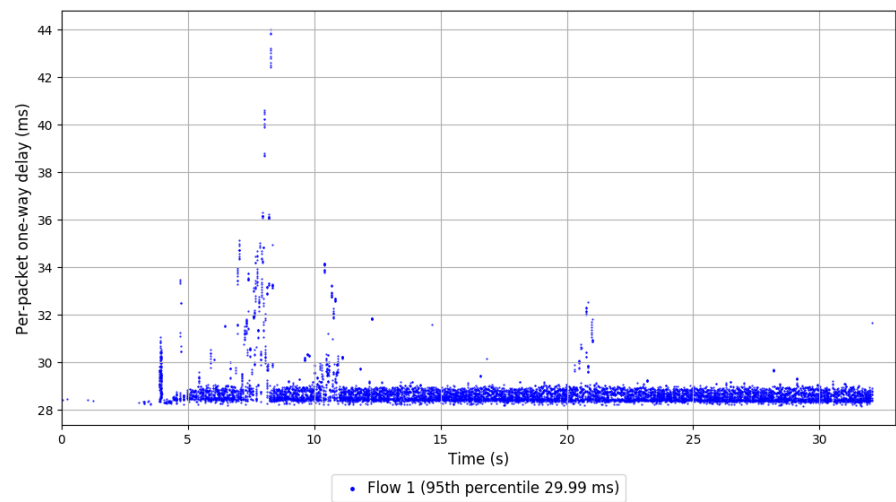
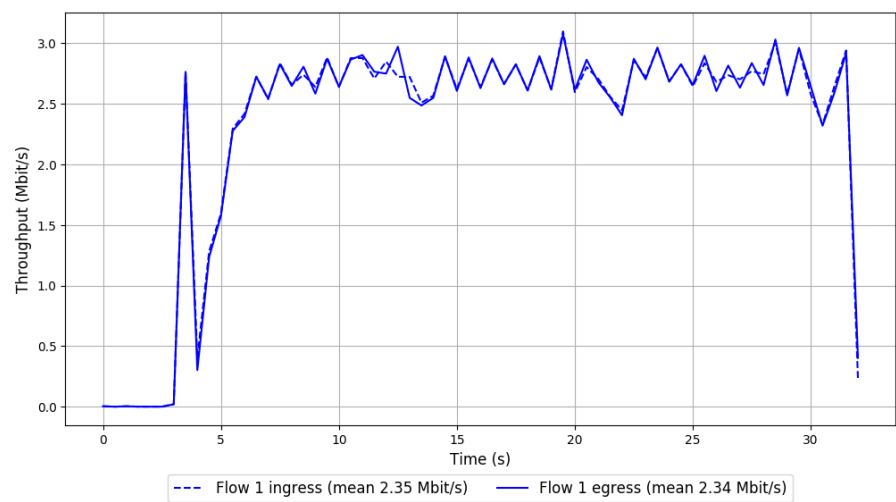


Run 4: Statistics of WebRTC media

Start at: 2017-08-21 19:28:23  
End at: 2017-08-21 19:28:53  
Local clock offset: -2.145 ms  
Remote clock offset: -13.456 ms

# Below is generated by plot.py at 2017-08-22 02:43:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.34 Mbit/s  
95th percentile per-packet one-way delay: 29.988 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 2.34 Mbit/s  
95th percentile per-packet one-way delay: 29.988 ms  
Loss rate: 0.04%

Run 4: Report of WebRTC media — Data Link



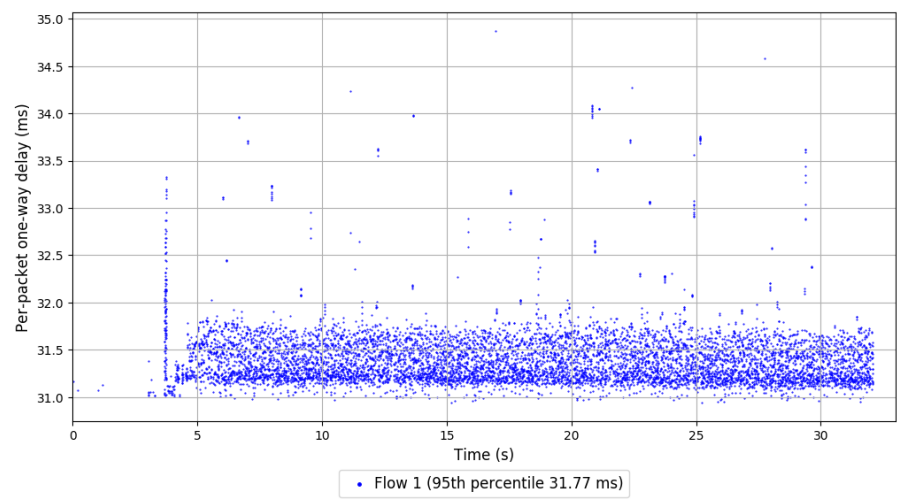
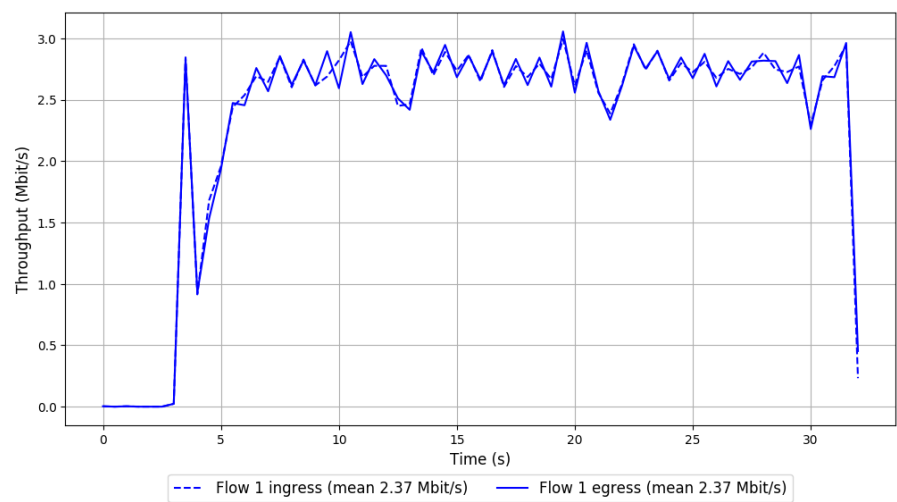
Run 5: Statistics of WebRTC media

Start at: 2017-08-21 19:46:29  
End at: 2017-08-21 19:46:59  
Local clock offset: 3.114 ms  
Remote clock offset: -12.628 ms

# Below is generated by plot.py at 2017-08-22 02:43:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.37 Mbit/s  
95th percentile per-packet one-way delay: 31.768 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.37 Mbit/s  
95th percentile per-packet one-way delay: 31.768 ms  
Loss rate: 0.00%



Run 5: Report of WebRTC media — Data Link

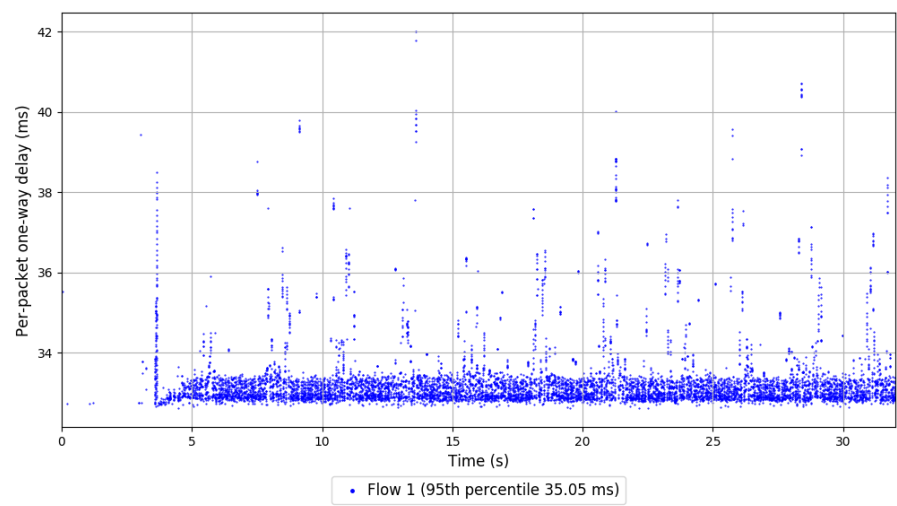
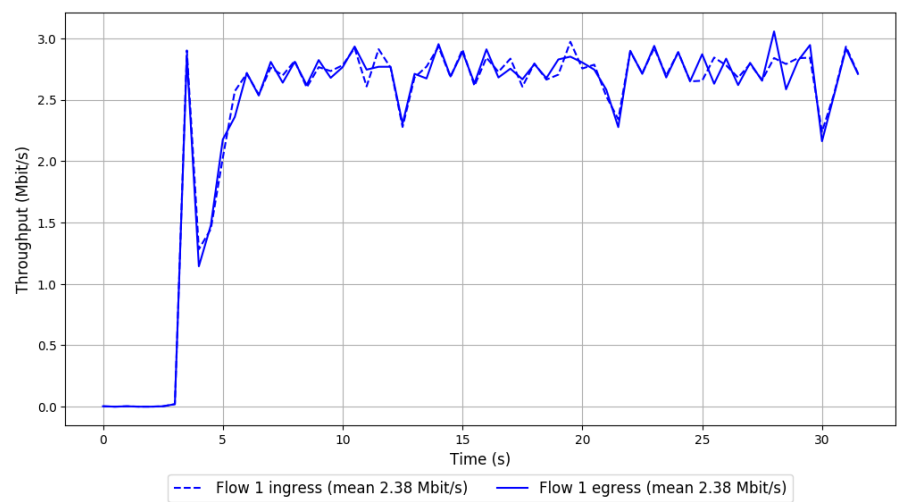


Run 6: Statistics of WebRTC media

Start at: 2017-08-21 20:05:15  
End at: 2017-08-21 20:05:45  
Local clock offset: 6.175 ms  
Remote clock offset: -12.703 ms

# Below is generated by plot.py at 2017-08-22 02:43:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.38 Mbit/s  
95th percentile per-packet one-way delay: 35.048 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 2.38 Mbit/s  
95th percentile per-packet one-way delay: 35.048 ms  
Loss rate: 0.15%

Run 6: Report of WebRTC media — Data Link

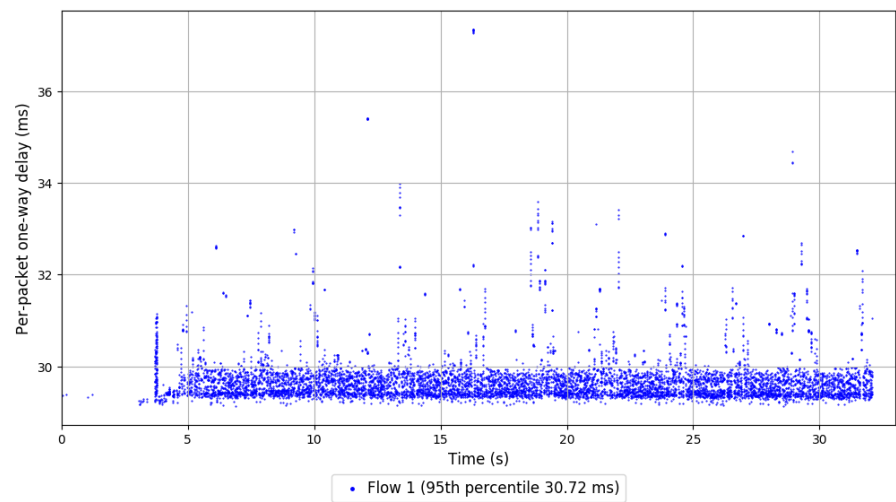
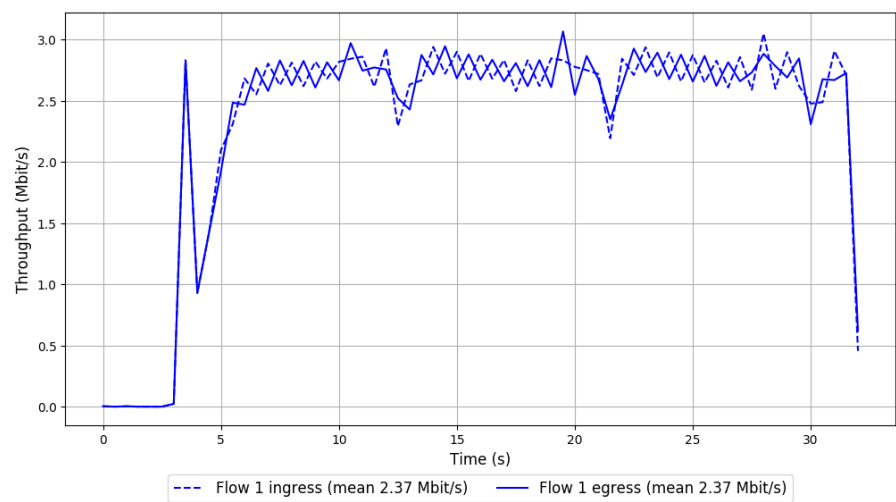


Run 7: Statistics of WebRTC media

Start at: 2017-08-21 20:25:44  
End at: 2017-08-21 20:26:14  
Local clock offset: 4.212 ms  
Remote clock offset: -11.433 ms

# Below is generated by plot.py at 2017-08-22 02:43:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.37 Mbit/s  
95th percentile per-packet one-way delay: 30.723 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 2.37 Mbit/s  
95th percentile per-packet one-way delay: 30.723 ms  
Loss rate: 0.04%

Run 7: Report of WebRTC media — Data Link

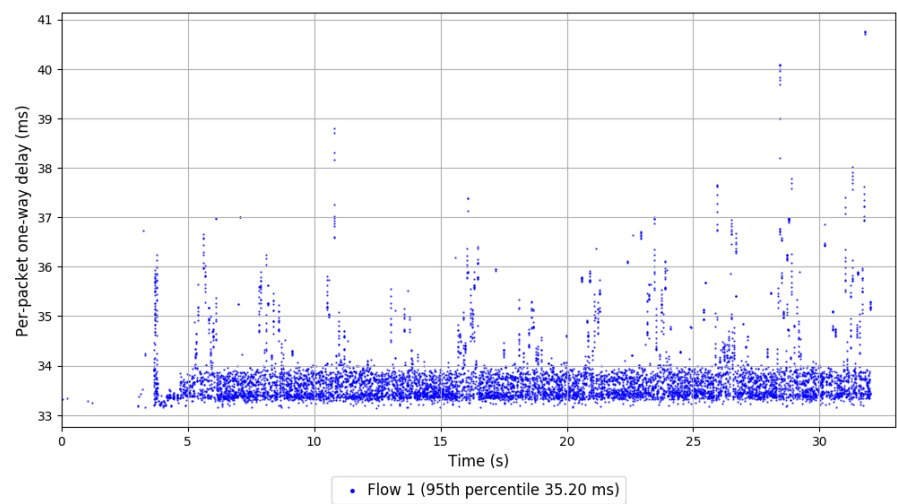
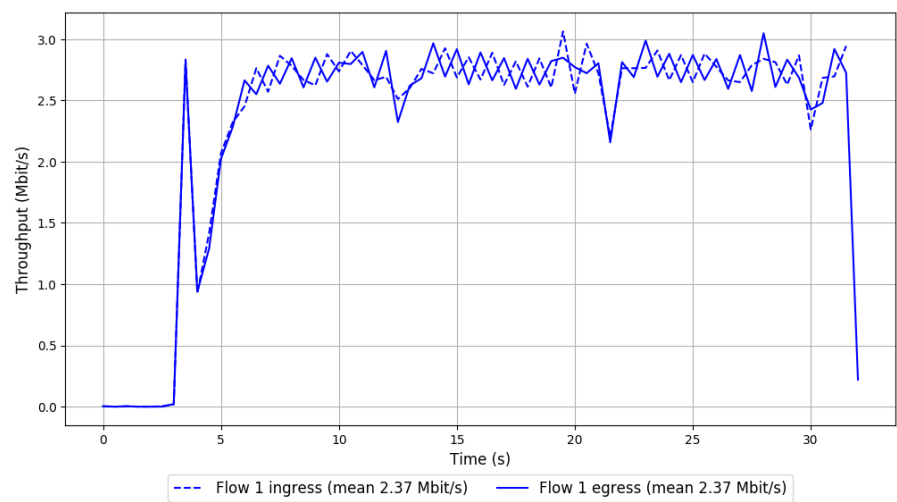


Run 8: Statistics of WebRTC media

Start at: 2017-08-21 20:45:44  
End at: 2017-08-21 20:46:14  
Local clock offset: 5.914 ms  
Remote clock offset: -13.223 ms

# Below is generated by plot.py at 2017-08-22 02:43:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.37 Mbit/s  
95th percentile per-packet one-way delay: 35.203 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.37 Mbit/s  
95th percentile per-packet one-way delay: 35.203 ms  
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



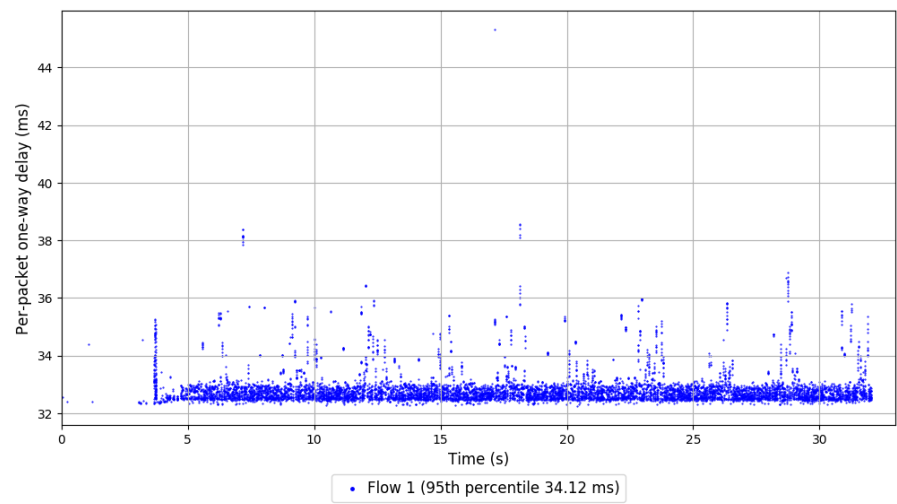
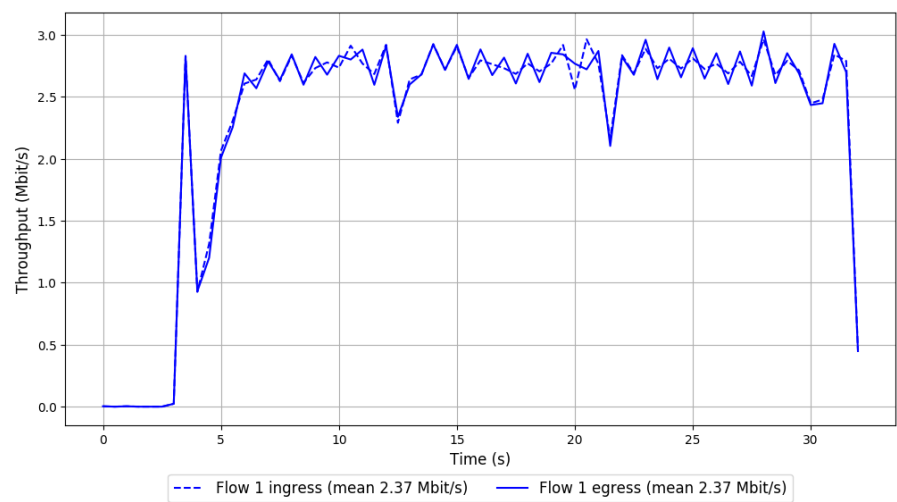
Run 9: Statistics of WebRTC media

Start at: 2017-08-21 21:05:40  
End at: 2017-08-21 21:06:10  
Local clock offset: 6.141 ms  
Remote clock offset: -12.366 ms

# Below is generated by plot.py at 2017-08-22 02:43:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.37 Mbit/s  
95th percentile per-packet one-way delay: 34.115 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 2.37 Mbit/s  
95th percentile per-packet one-way delay: 34.115 ms  
Loss rate: 0.15%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

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

End at: 2017-08-21 21:26:52

Local clock offset: 6.141 ms

Remote clock offset: -11.693 ms

# Below is generated by plot.py at 2017-08-22 02:43:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 33.415 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 33.415 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

