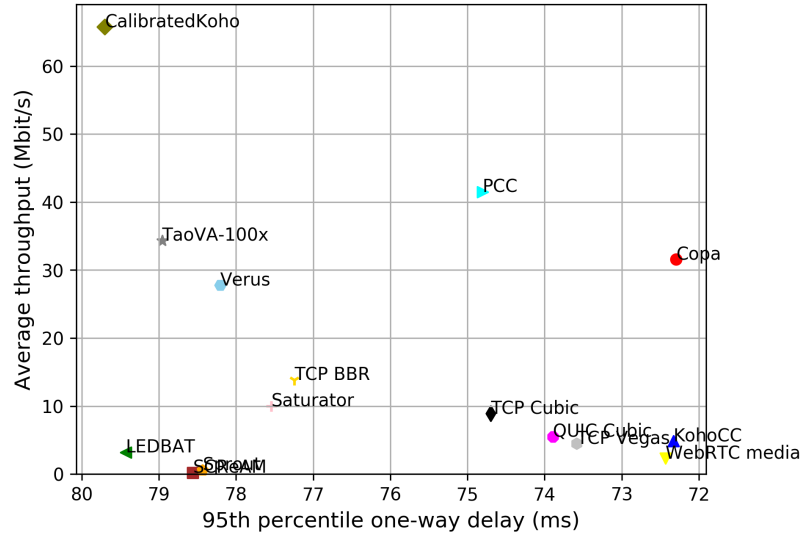


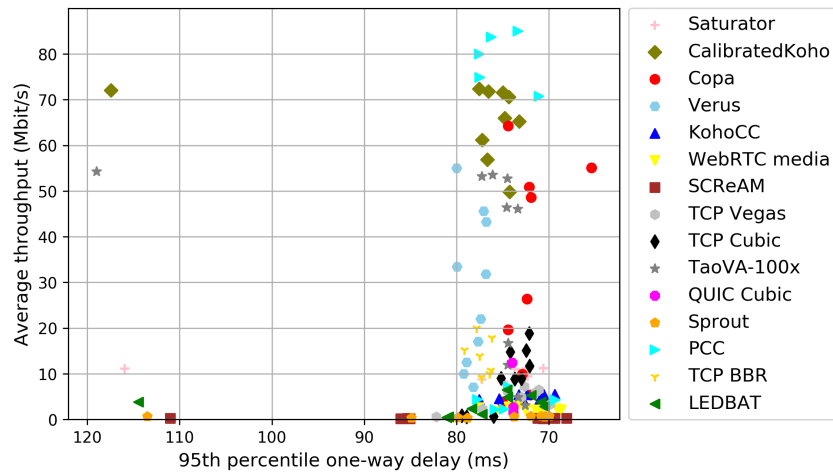
Pantheon Summary (Generated at Tue, 25 Jul 2017 02:41:56 +0000 with pantheon version 266b116f0817a07d000b4d181ce187fd27d3e654)
Repeated the test of 15 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Data path: AWS Korea Ethernet (*local*) → China Ethernet (*remote*).
NTP offset measured against ntp.nict.jp and has been applied to correct the timestamps in logs.

```
git branch: master @ 266b116f0817a07d000b4d181ce187fd27d3e654
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 @ f1a14bffe749737437f61b1eaeeb30b267cde681
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 AWS Korea Ethernet to China Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS Korea Ethernet to China Ethernet, 10 runs of 30s each per scheme



| scheme | # runs | mean avg tput (Mbit/s) flow 1 | mean 95th-%ile delay (ms) flow 1 | mean loss rate (%) flow 1 |
|----------------|--------|----------------------------------|-------------------------------------|------------------------------|
| TCP BBR | 10 | 13.84 | 77.24 | 36.90 |
| CalibratedKoho | 10 | 65.74 | 79.70 | 4.28 |
| Copa | 10 | 31.56 | 72.29 | 0.51 |
| TCP Cubic | 10 | 8.91 | 74.70 | 2.28 |
| KohoCC | 10 | 4.86 | 72.33 | 0.92 |
| LEDBAT | 10 | 3.17 | 79.43 | 1.85 |
| PCC | 10 | 41.48 | 74.80 | 1.39 |
| QUIC Cubic | 10 | 5.52 | 73.89 | 1.34 |
| Saturator | 10 | 9.98 | 77.54 | 1.47 |
| SCReAM | 10 | 0.21 | 78.56 | 0.17 |
| Sprout | 10 | 0.58 | 78.43 | 0.55 |
| TaoVA-100x | 10 | 34.30 | 78.96 | 5.78 |
| TCP Vegas | 10 | 4.46 | 73.58 | 1.36 |
| Verus | 10 | 27.77 | 78.21 | 58.79 |
| WebRTC media | 10 | 2.29 | 72.44 | 1.20 |

Run 1: Statistics of TCP BBR

Start at: Mon, 24 Jul 2017 20:01:31 +0000

End at: Mon, 24 Jul 2017 20:02:01 +0000

Local clock offset: -1.393 ms

Remote clock offset: 4.026 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:37:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.16 Mbit/s

95th percentile per-packet one-way delay: 77.315 ms

Loss rate: 31.82%

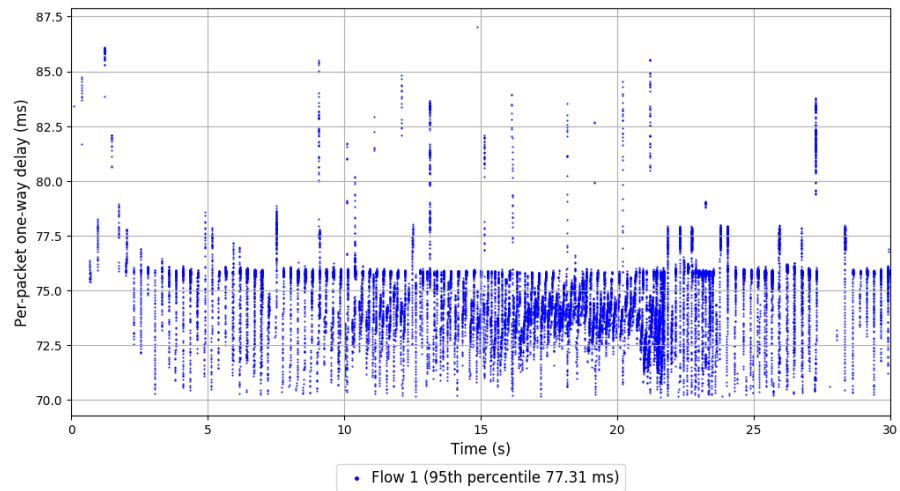
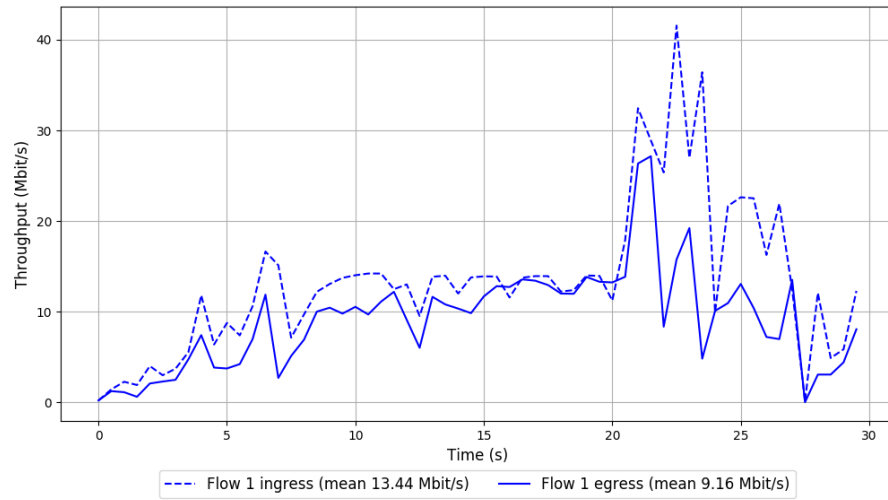
-- Flow 1:

Average throughput: 9.16 Mbit/s

95th percentile per-packet one-way delay: 77.315 ms

Loss rate: 31.82%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

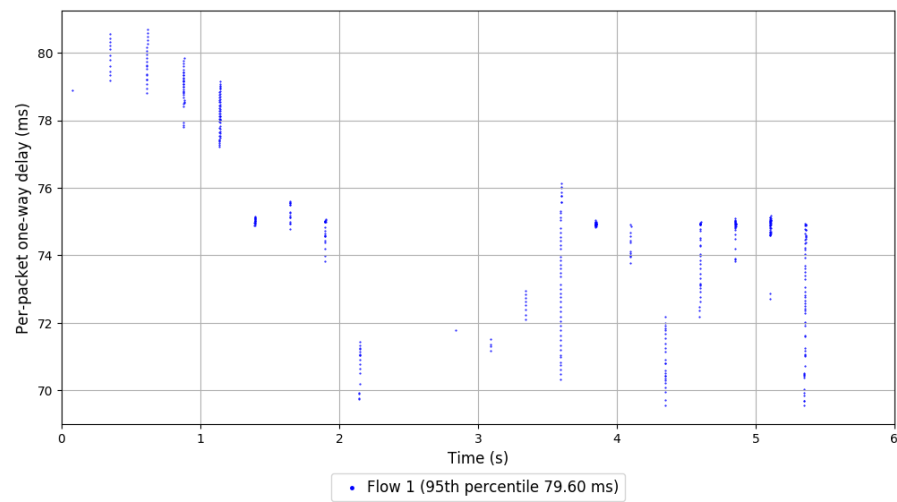
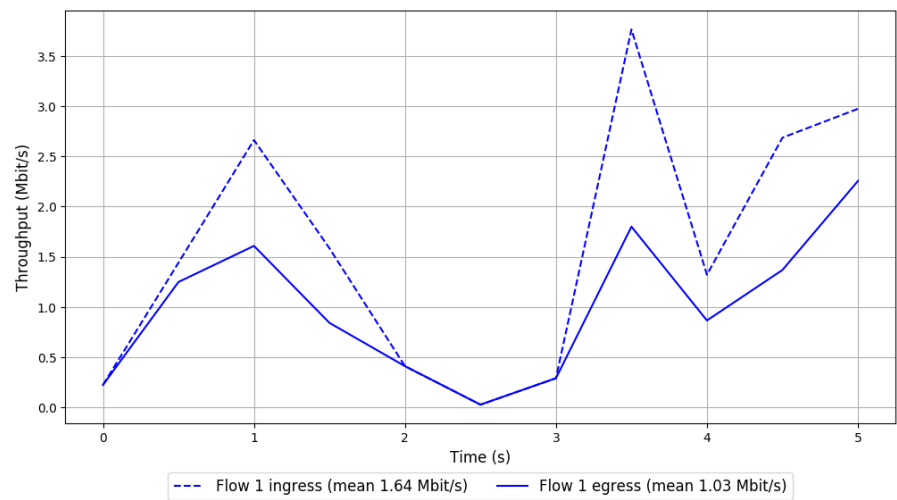
Start at: Mon, 24 Jul 2017 20:20:42 +0000

End at: Mon, 24 Jul 2017 20:21:12 +0000

Local clock offset: -1.344 ms

Remote clock offset: 8.257 ms

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Mon, 24 Jul 2017 20:39:45 +0000

End at: Mon, 24 Jul 2017 20:40:15 +0000

Local clock offset: -1.226 ms

Remote clock offset: 8.625 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:37:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.03 Mbit/s

95th percentile per-packet one-way delay: 76.410 ms

Loss rate: 40.00%

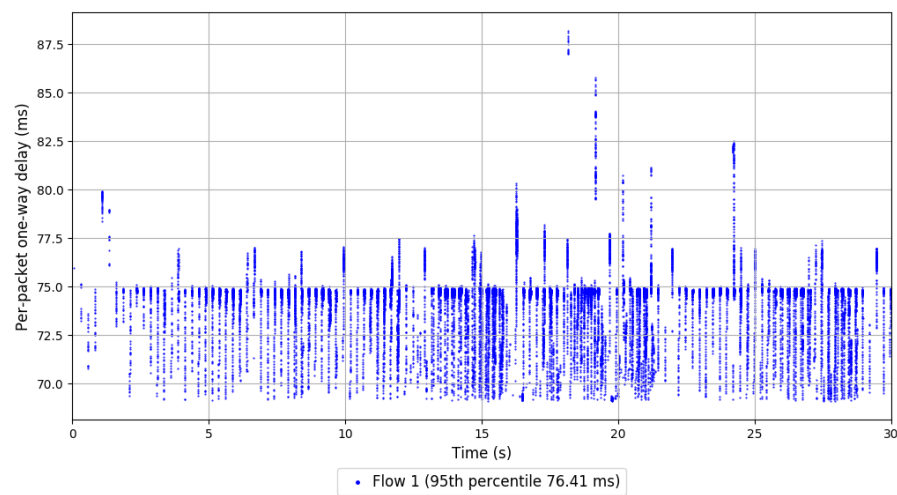
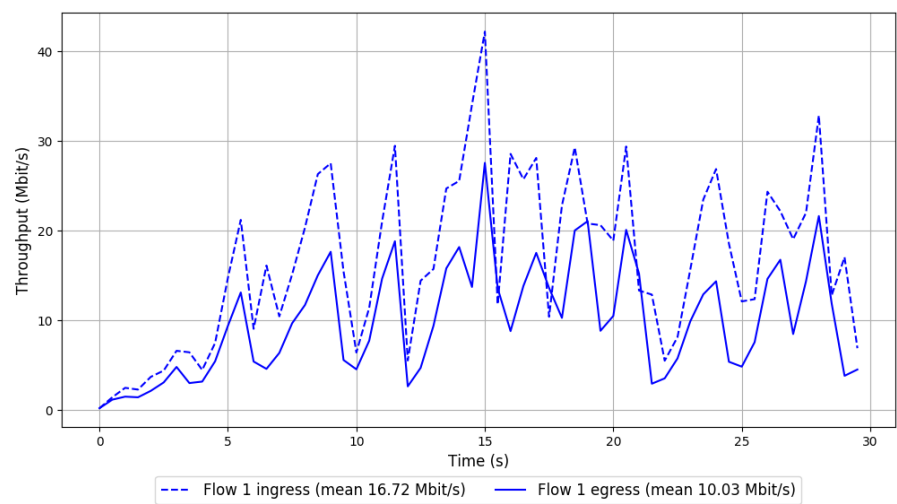
-- Flow 1:

Average throughput: 10.03 Mbit/s

95th percentile per-packet one-way delay: 76.410 ms

Loss rate: 40.00%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Mon, 24 Jul 2017 20:58:52 +0000

End at: Mon, 24 Jul 2017 20:59:22 +0000

Local clock offset: -1.168 ms

Remote clock offset: 7.778 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:37:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.71 Mbit/s

95th percentile per-packet one-way delay: 76.309 ms

Loss rate: 42.73%

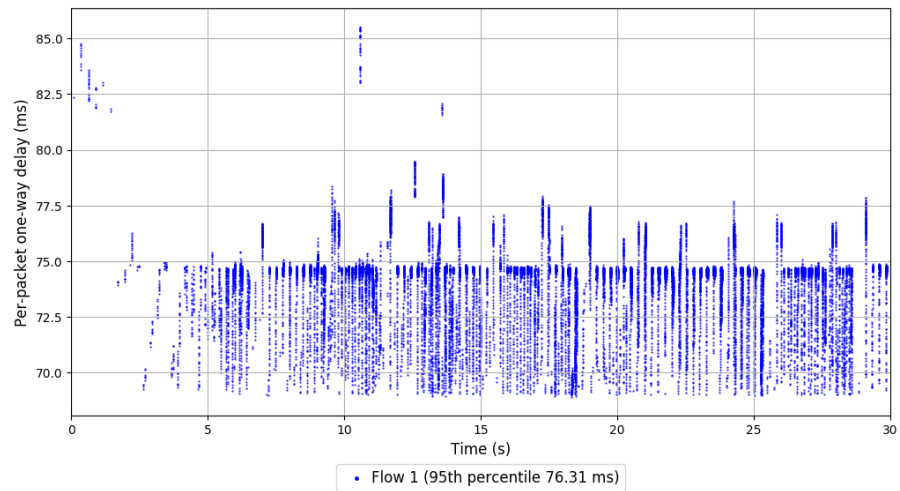
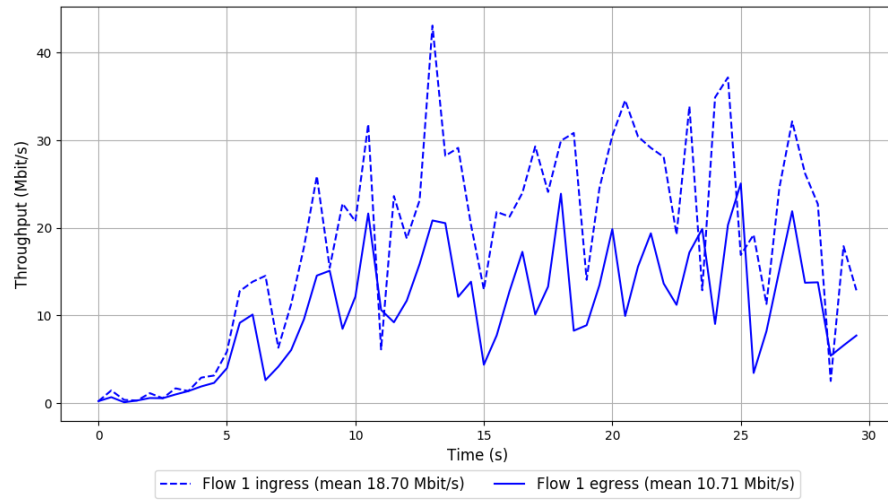
-- Flow 1:

Average throughput: 10.71 Mbit/s

95th percentile per-packet one-way delay: 76.309 ms

Loss rate: 42.73%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

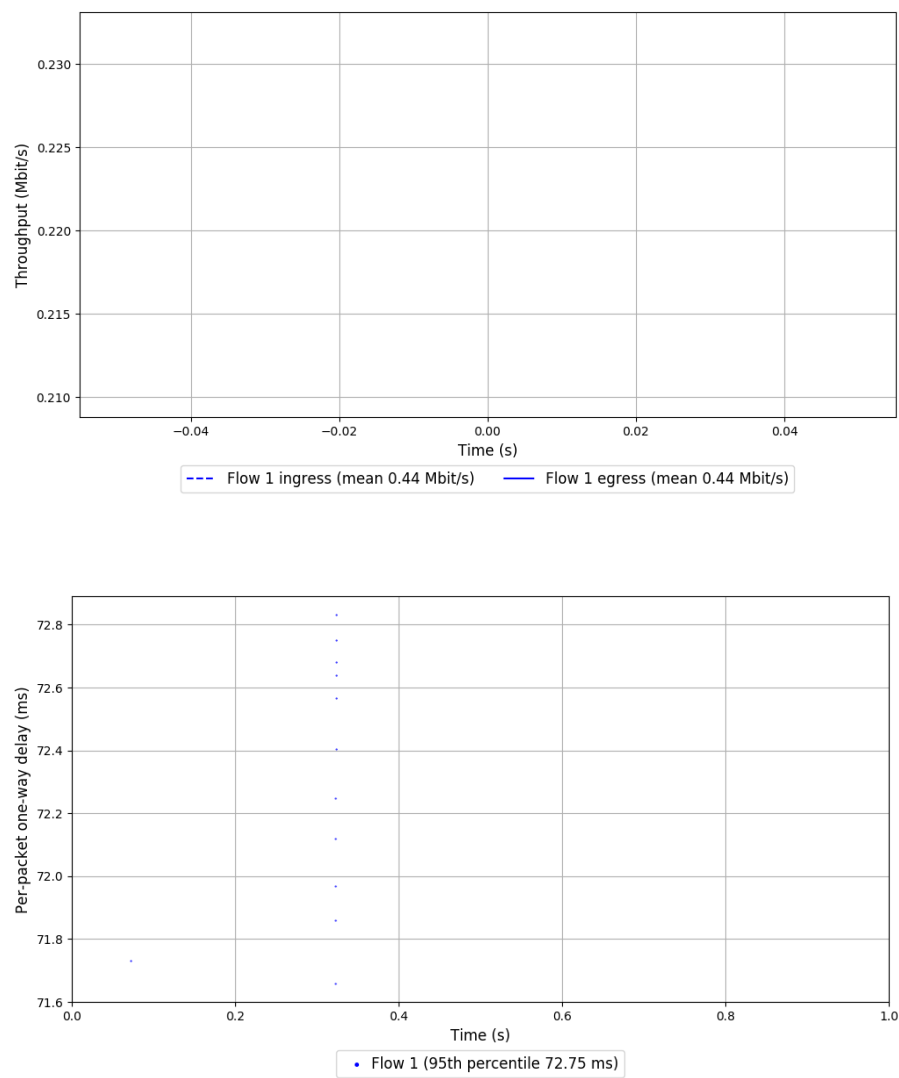
Start at: Mon, 24 Jul 2017 21:18:04 +0000

End at: Mon, 24 Jul 2017 21:18:34 +0000

Local clock offset: -1.067 ms

Remote clock offset: 6.921 ms

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

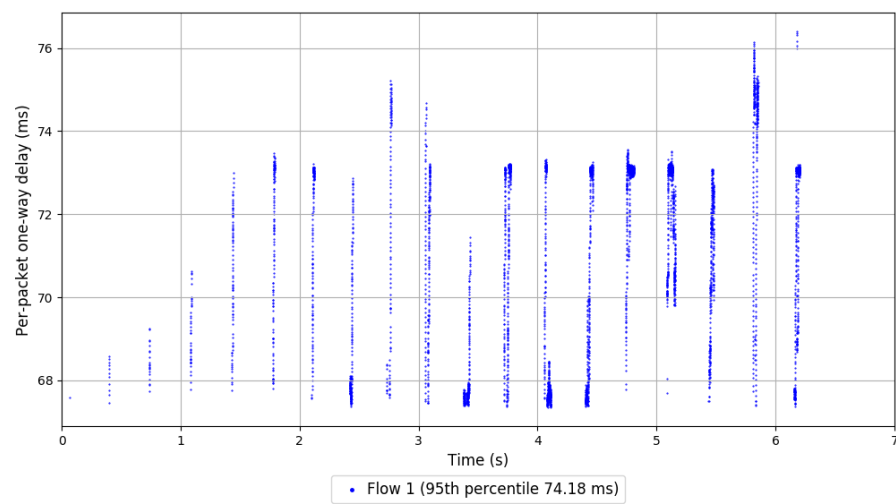
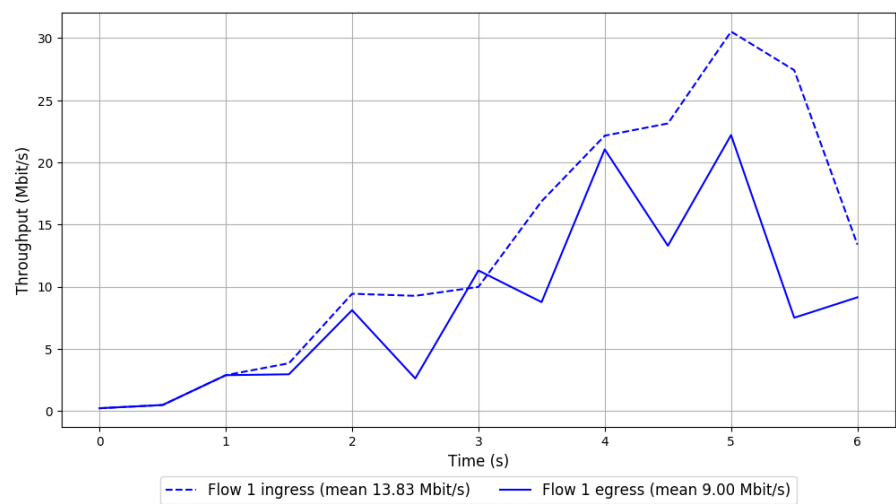
Start at: Mon, 24 Jul 2017 21:37:25 +0000

End at: Mon, 24 Jul 2017 21:37:55 +0000

Local clock offset: 0.403 ms

Remote clock offset: 6.732 ms

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Mon, 24 Jul 2017 21:58:20 +0000

End at: Mon, 24 Jul 2017 21:58:50 +0000

Local clock offset: -0.572 ms

Remote clock offset: 7.481 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:37:20 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.85 Mbit/s

95th percentile per-packet one-way delay: 76.184 ms

Loss rate: 39.00%

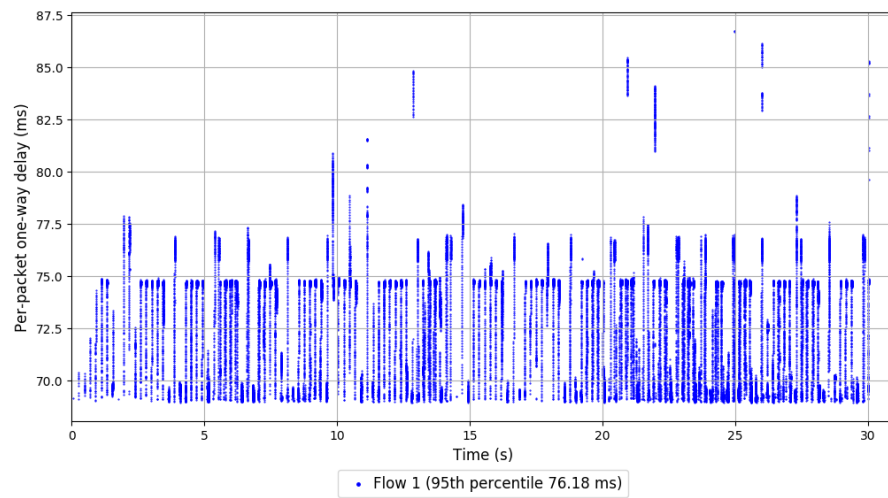
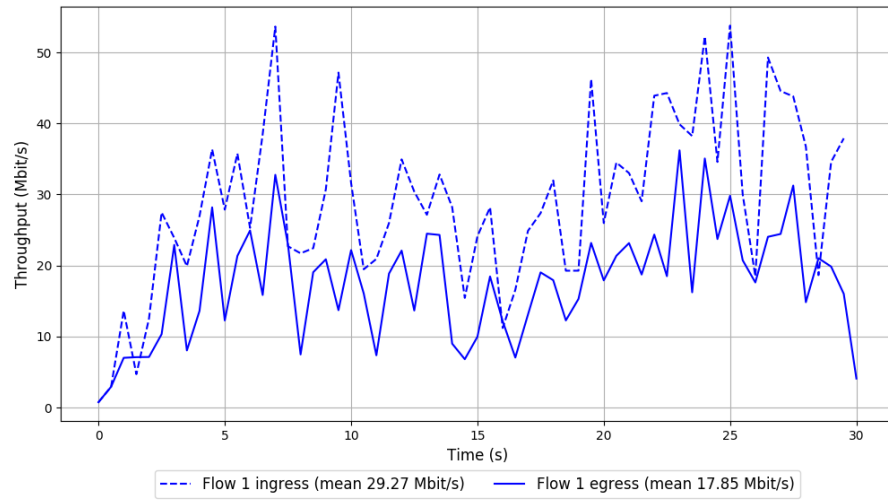
-- Flow 1:

Average throughput: 17.85 Mbit/s

95th percentile per-packet one-way delay: 76.184 ms

Loss rate: 39.00%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Mon, 24 Jul 2017 22:17:30 +0000

End at: Mon, 24 Jul 2017 22:18:00 +0000

Local clock offset: 0.875 ms

Remote clock offset: 8.491 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:37:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.99 Mbit/s

95th percentile per-packet one-way delay: 77.843 ms

Loss rate: 30.94%

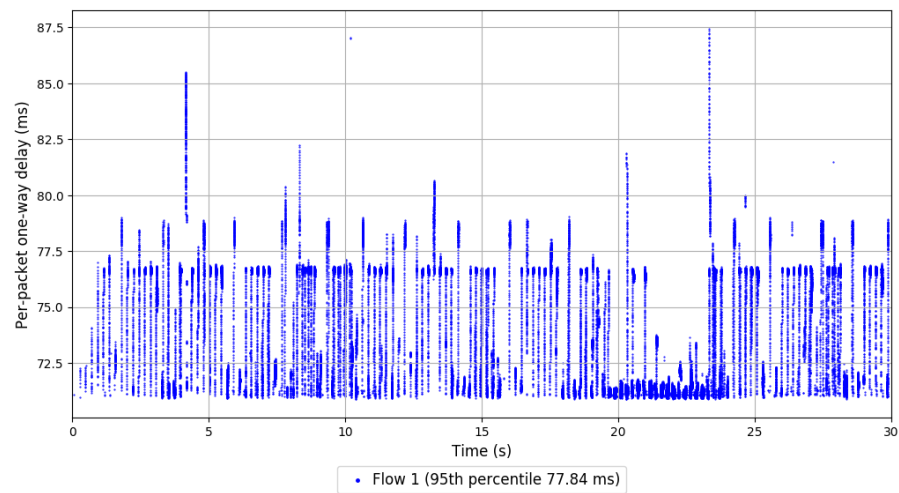
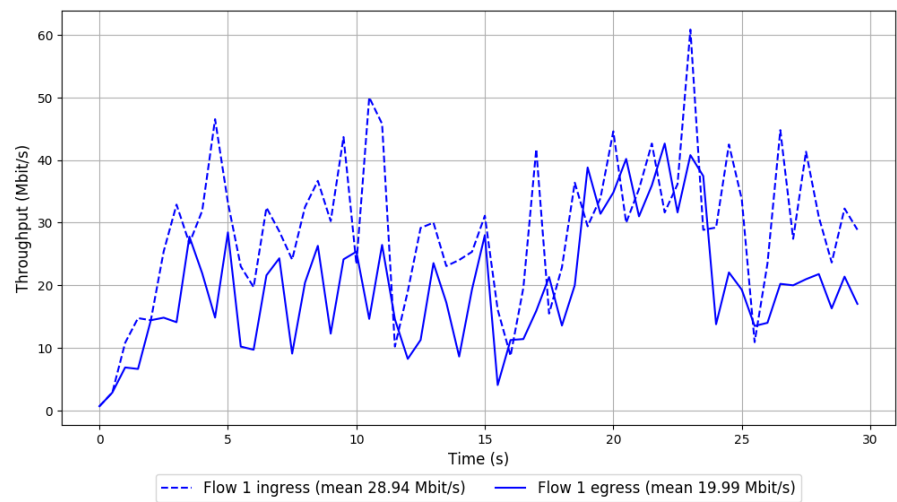
-- Flow 1:

Average throughput: 19.99 Mbit/s

95th percentile per-packet one-way delay: 77.843 ms

Loss rate: 30.94%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Mon, 24 Jul 2017 22:37:23 +0000

End at: Mon, 24 Jul 2017 22:37:53 +0000

Local clock offset: -0.096 ms

Remote clock offset: 8.905 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:37:23 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.22 Mbit/s

95th percentile per-packet one-way delay: 79.145 ms

Loss rate: 38.51%

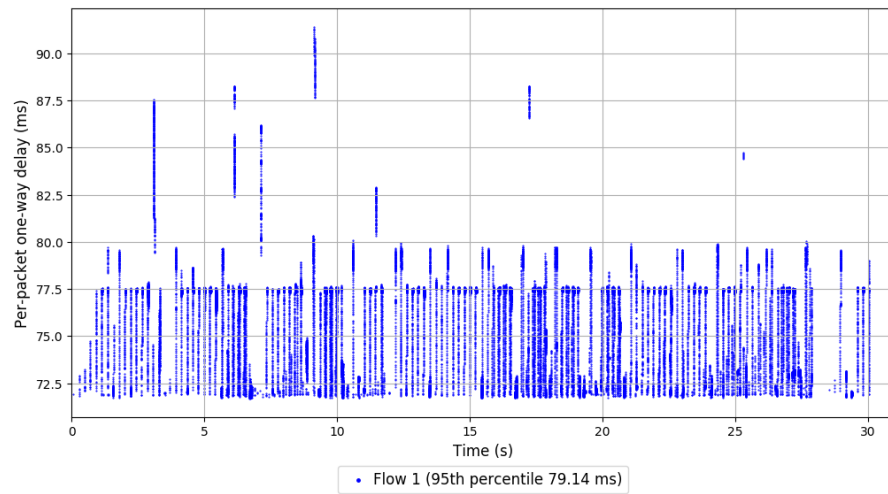
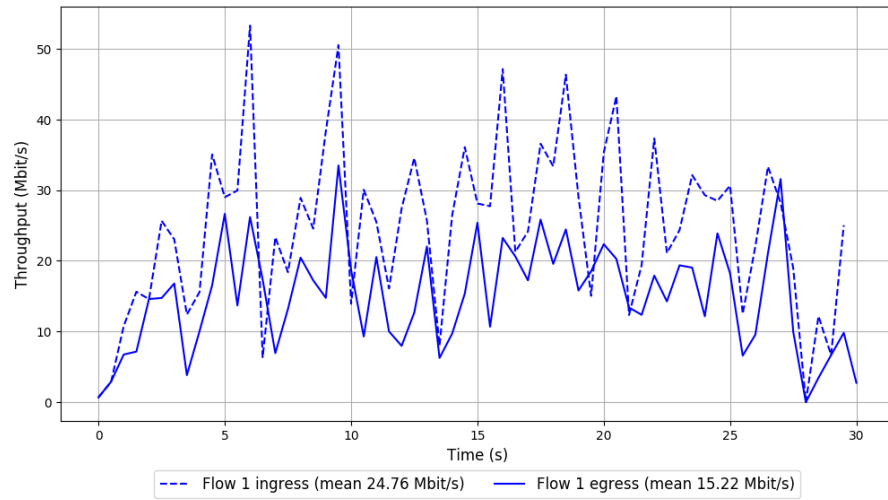
-- Flow 1:

Average throughput: 15.22 Mbit/s

95th percentile per-packet one-way delay: 79.145 ms

Loss rate: 38.51%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Mon, 24 Jul 2017 22:56:24 +0000

End at: Mon, 24 Jul 2017 22:56:54 +0000

Local clock offset: 1.389 ms

Remote clock offset: 8.259 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:37:25 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.92 Mbit/s

95th percentile per-packet one-way delay: 77.508 ms

Loss rate: 35.27%

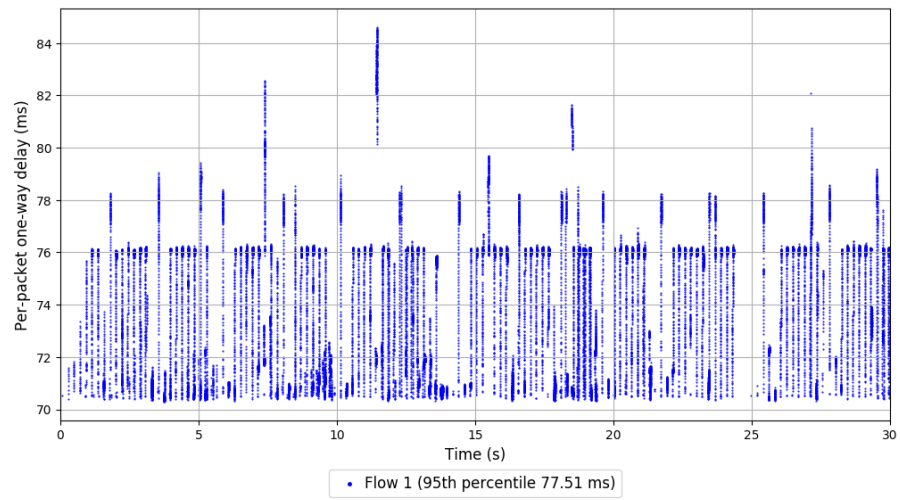
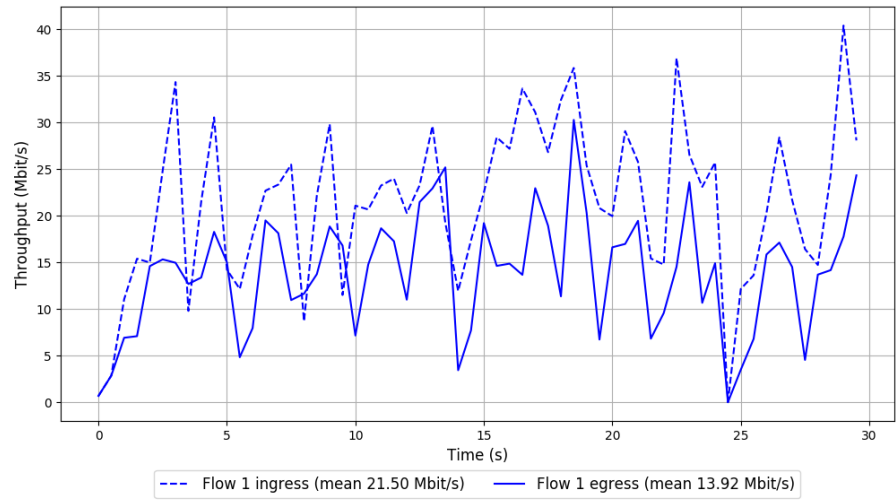
-- Flow 1:

Average throughput: 13.92 Mbit/s

95th percentile per-packet one-way delay: 77.508 ms

Loss rate: 35.27%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 20:12:55 +0000

End at: Mon, 24 Jul 2017 20:13:25 +0000

Local clock offset: -1.326 ms

Remote clock offset: 6.578 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:37:29 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.85 Mbit/s

95th percentile per-packet one-way delay: 74.259 ms

Loss rate: 3.08%

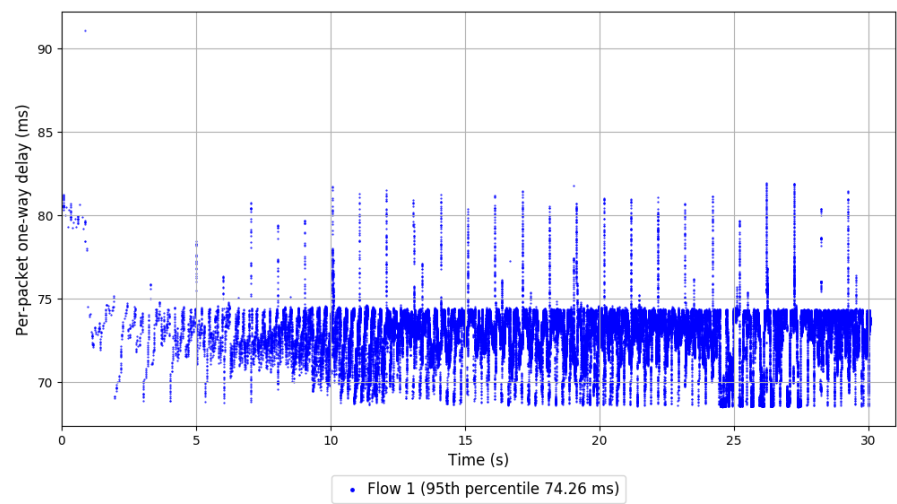
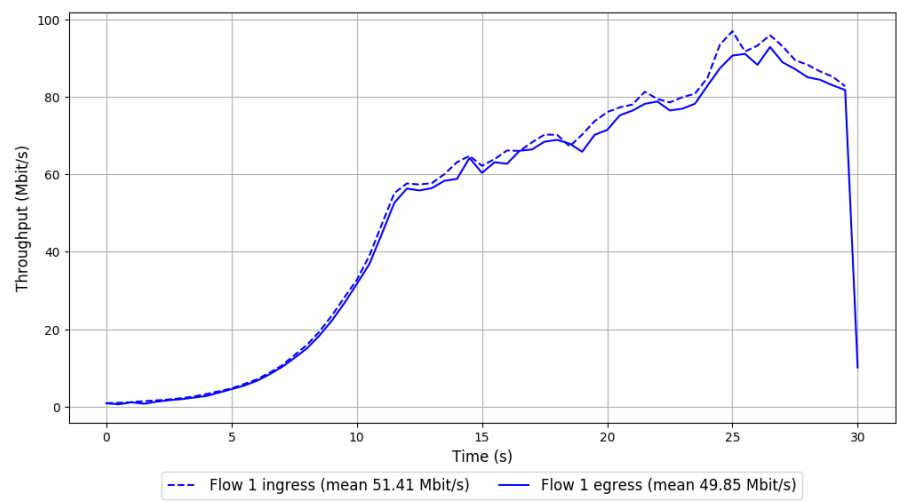
-- Flow 1:

Average throughput: 49.85 Mbit/s

95th percentile per-packet one-way delay: 74.259 ms

Loss rate: 3.08%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 20:32:05 +0000

End at: Mon, 24 Jul 2017 20:32:35 +0000

Local clock offset: -1.368 ms

Remote clock offset: 8.207 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:37:33 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.91 Mbit/s

95th percentile per-packet one-way delay: 76.676 ms

Loss rate: 3.92%

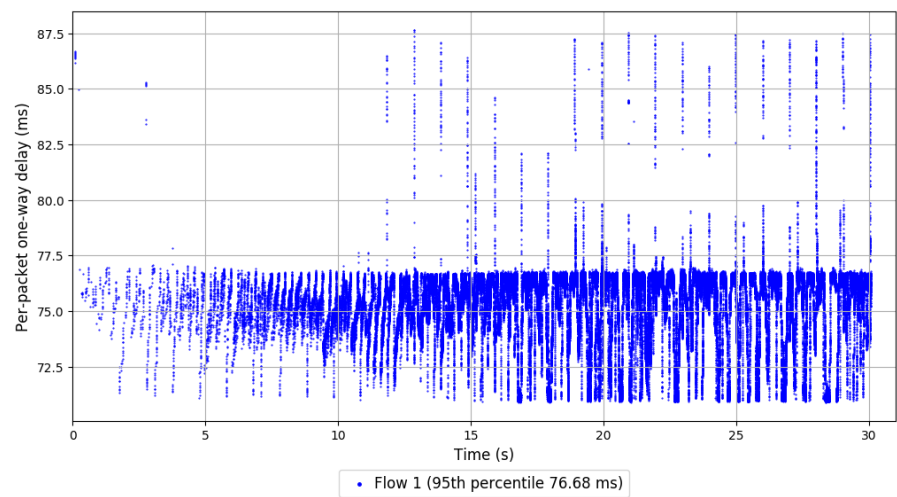
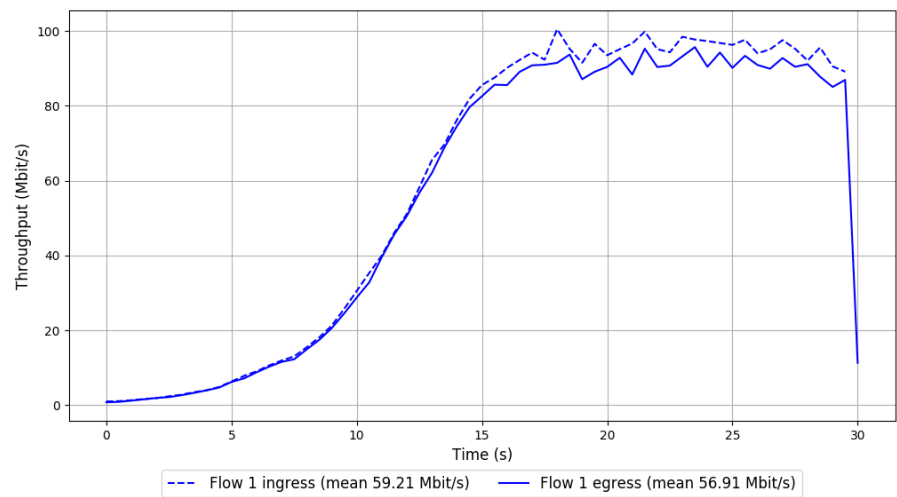
-- Flow 1:

Average throughput: 56.91 Mbit/s

95th percentile per-packet one-way delay: 76.676 ms

Loss rate: 3.92%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 20:51:10 +0000

End at: Mon, 24 Jul 2017 20:51:40 +0000

Local clock offset: -1.163 ms

Remote clock offset: 8.321 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:37:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.21 Mbit/s

95th percentile per-packet one-way delay: 77.239 ms

Loss rate: 5.38%

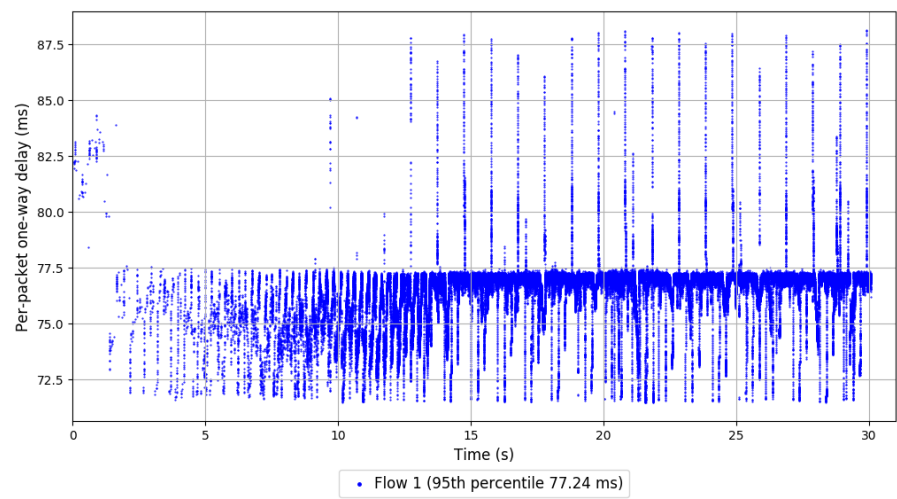
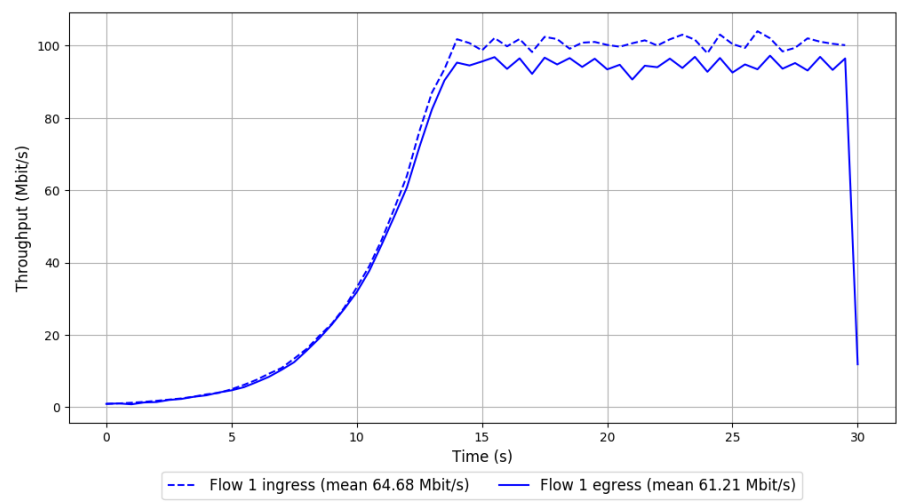
-- Flow 1:

Average throughput: 61.21 Mbit/s

95th percentile per-packet one-way delay: 77.239 ms

Loss rate: 5.38%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 21:10:17 +0000

End at: Mon, 24 Jul 2017 21:10:47 +0000

Local clock offset: 0.141 ms

Remote clock offset: 7.433 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:37:42 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.21 Mbit/s

95th percentile per-packet one-way delay: 73.226 ms

Loss rate: 4.12%

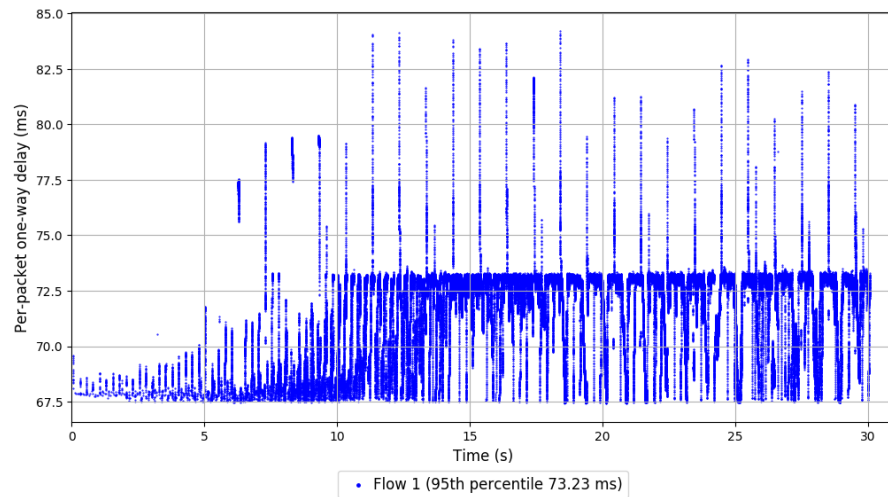
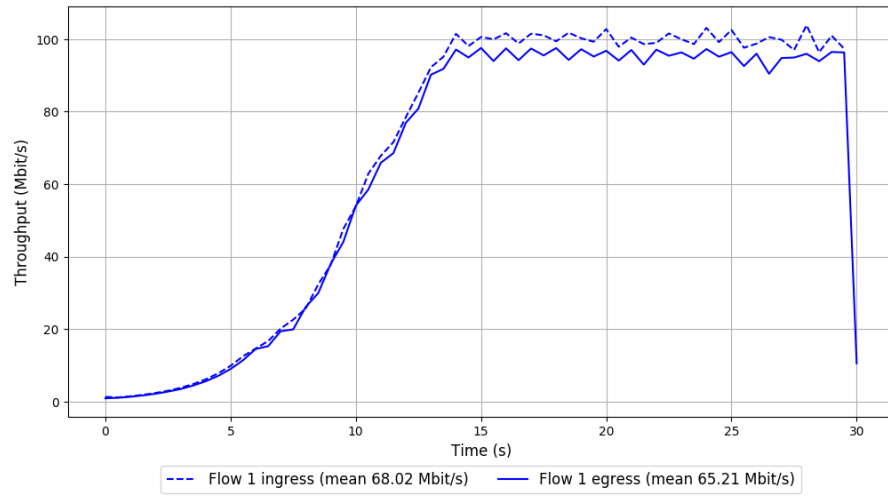
-- Flow 1:

Average throughput: 65.21 Mbit/s

95th percentile per-packet one-way delay: 73.226 ms

Loss rate: 4.12%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 21:29:34 +0000

End at: Mon, 24 Jul 2017 21:30:04 +0000

Local clock offset: -0.961 ms

Remote clock offset: 6.659 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:37:47 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.99 Mbit/s

95th percentile per-packet one-way delay: 74.785 ms

Loss rate: 4.07%

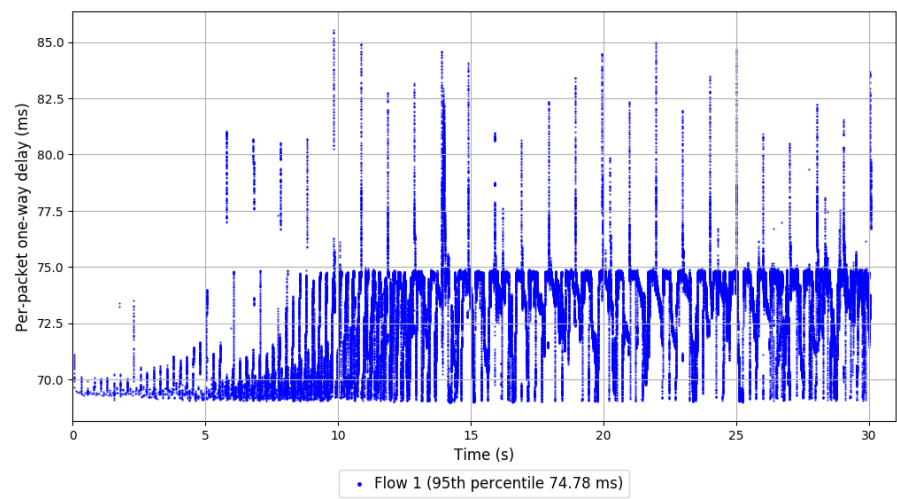
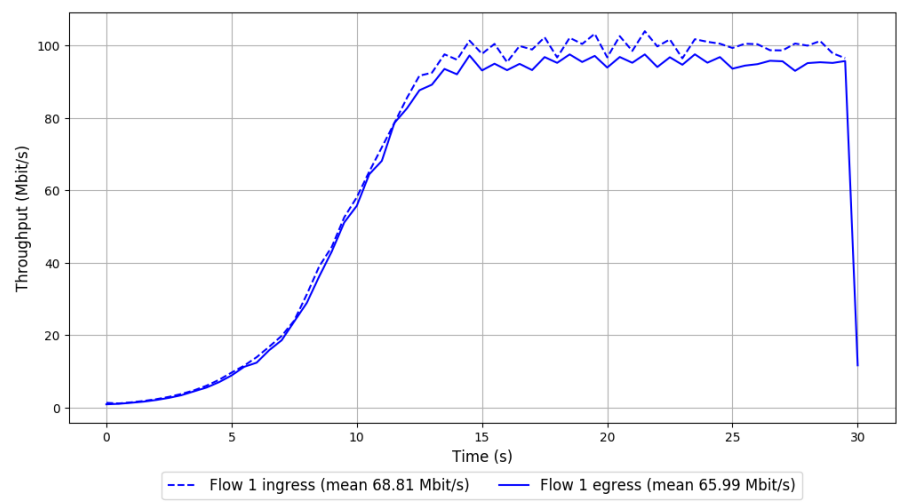
-- Flow 1:

Average throughput: 65.99 Mbit/s

95th percentile per-packet one-way delay: 74.785 ms

Loss rate: 4.07%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 21:50:31 +0000

End at: Mon, 24 Jul 2017 21:51:01 +0000

Local clock offset: -0.661 ms

Remote clock offset: 7.156 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:37:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.55 Mbit/s

95th percentile per-packet one-way delay: 74.318 ms

Loss rate: 4.12%

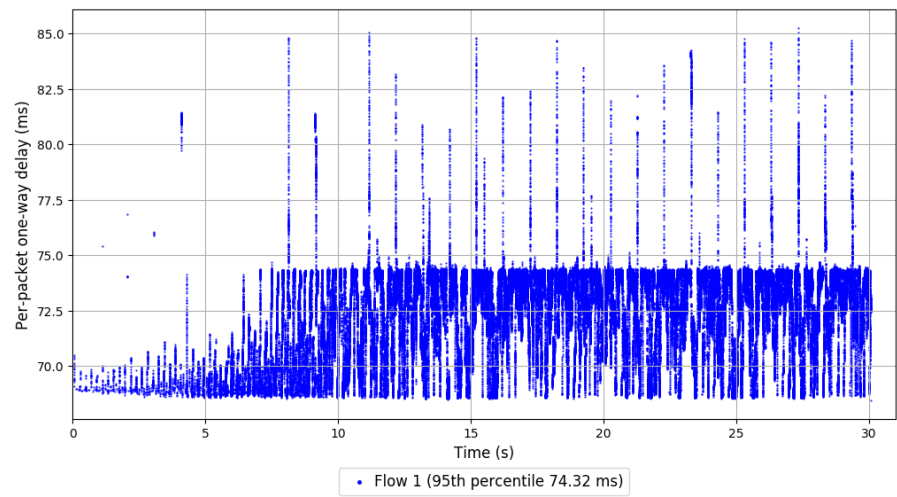
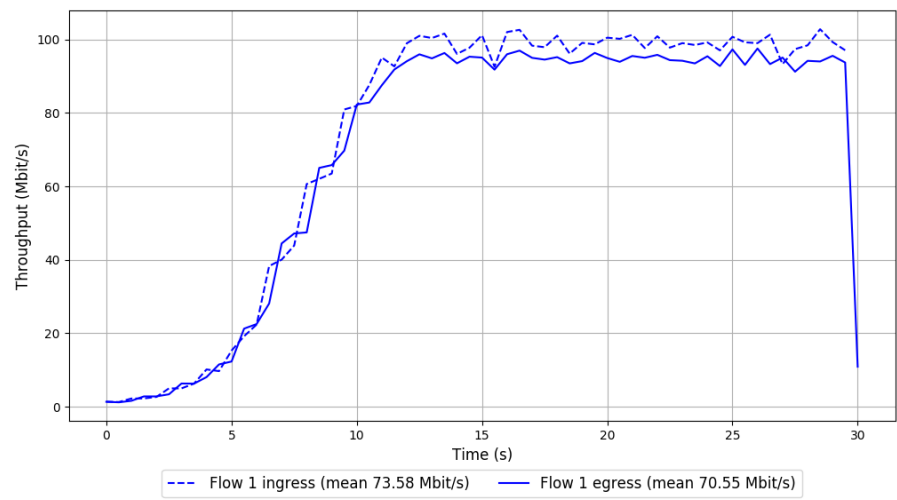
-- Flow 1:

Average throughput: 70.55 Mbit/s

95th percentile per-packet one-way delay: 74.318 ms

Loss rate: 4.12%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 22:09:43 +0000

End at: Mon, 24 Jul 2017 22:10:13 +0000

Local clock offset: 0.812 ms

Remote clock offset: 8.131 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:37:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.79 Mbit/s

95th percentile per-packet one-way delay: 76.558 ms

Loss rate: 4.77%

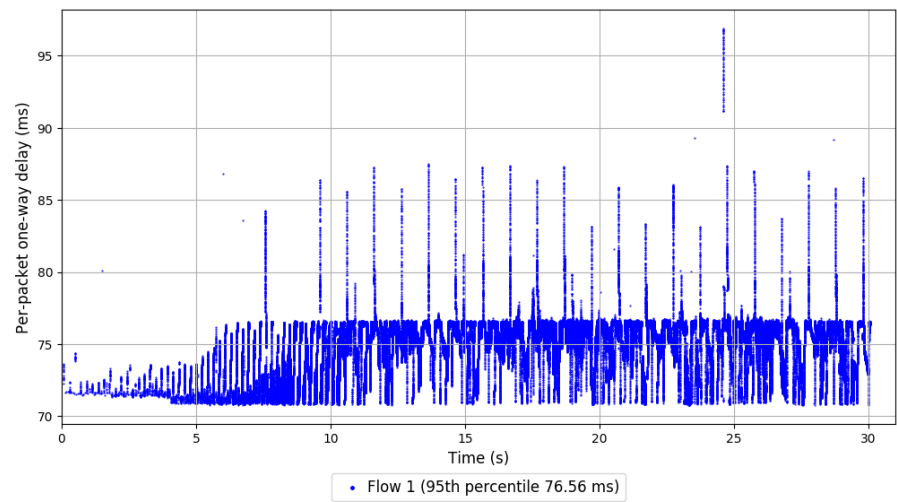
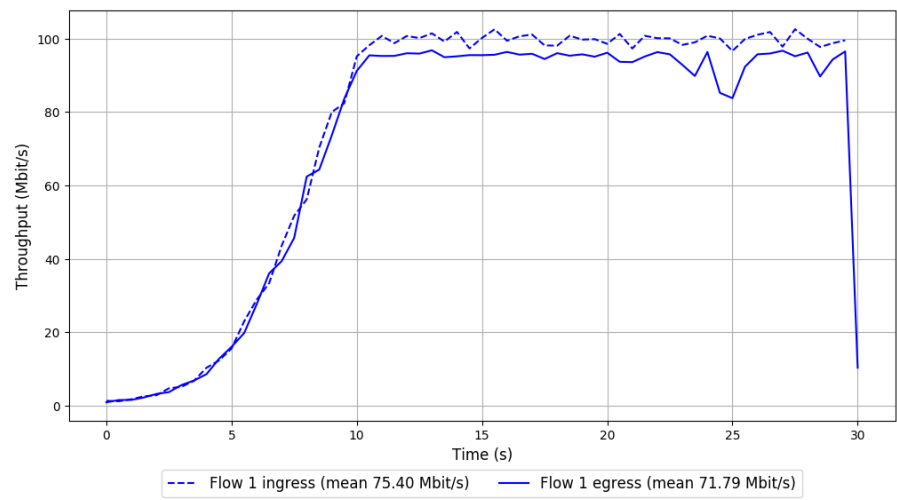
-- Flow 1:

Average throughput: 71.79 Mbit/s

95th percentile per-packet one-way delay: 76.558 ms

Loss rate: 4.77%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 22:29:36 +0000

End at: Mon, 24 Jul 2017 22:30:06 +0000

Local clock offset: -0.169 ms

Remote clock offset: 51.869 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:38:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.03 Mbit/s

95th percentile per-packet one-way delay: 117.427 ms

Loss rate: 4.31%

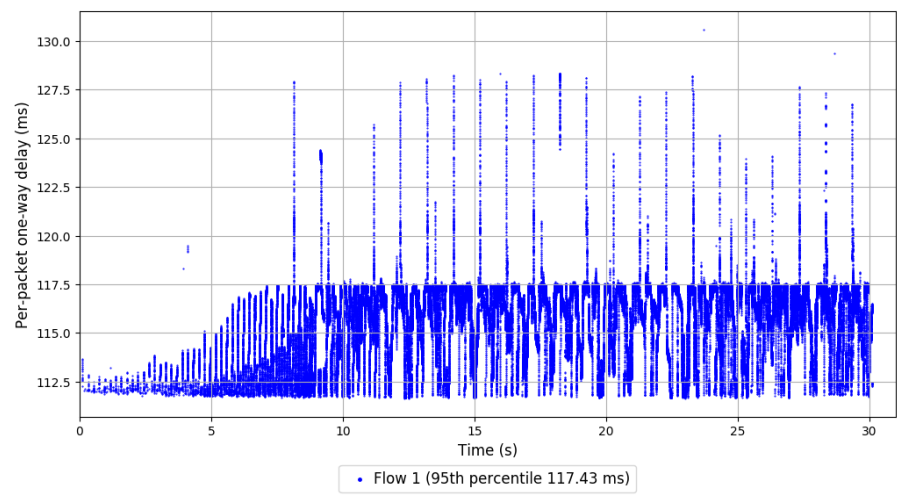
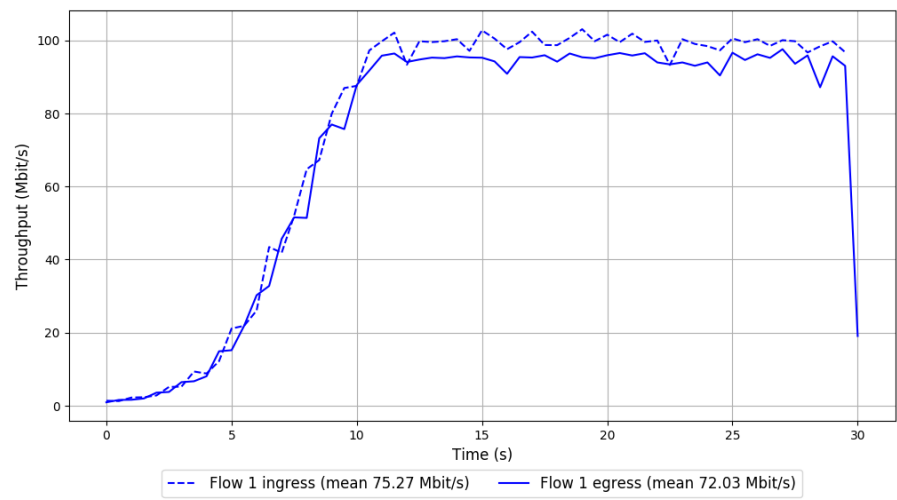
-- Flow 1:

Average throughput: 72.03 Mbit/s

95th percentile per-packet one-way delay: 117.427 ms

Loss rate: 4.31%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 22:48:40 +0000

End at: Mon, 24 Jul 2017 22:49:10 +0000

Local clock offset: -0.06 ms

Remote clock offset: 8.649 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:38:10 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.36 Mbit/s

95th percentile per-packet one-way delay: 77.537 ms

Loss rate: 4.23%

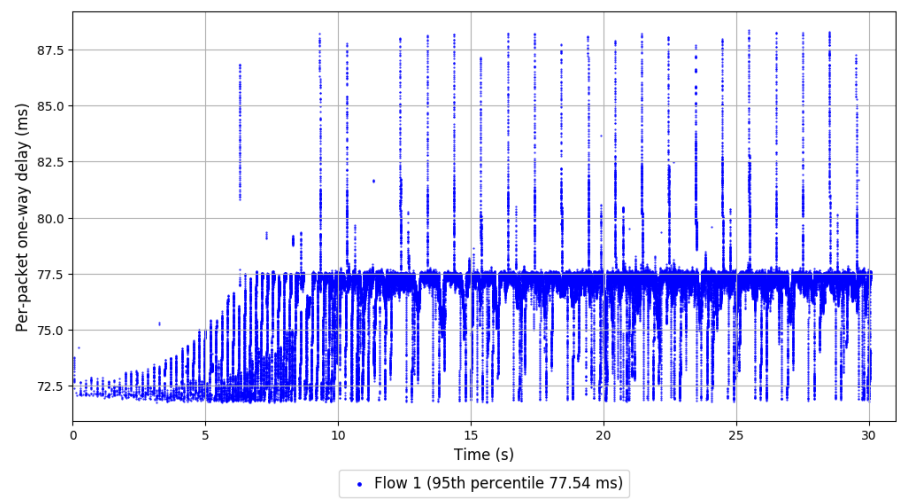
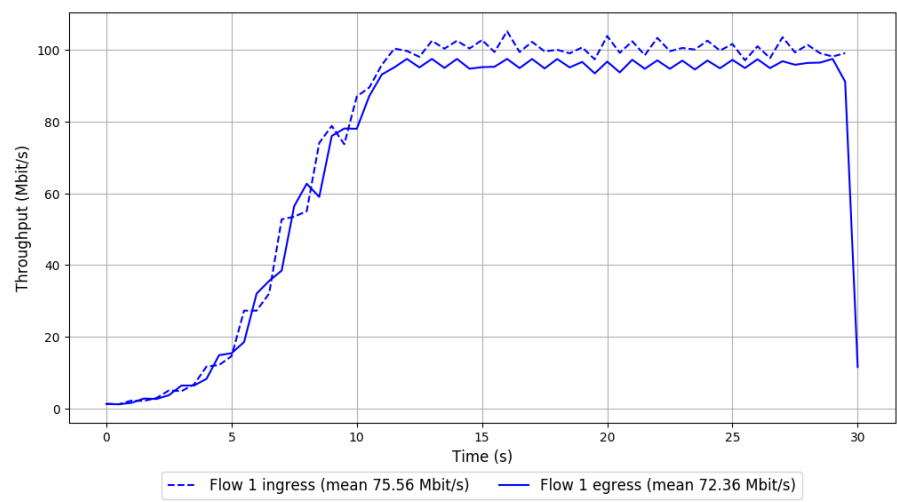
-- Flow 1:

Average throughput: 72.36 Mbit/s

95th percentile per-packet one-way delay: 77.537 ms

Loss rate: 4.23%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 23:07:38 +0000

End at: Mon, 24 Jul 2017 23:08:08 +0000

Local clock offset: -0.027 ms

Remote clock offset: 7.898 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:38:12 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.53 Mbit/s

95th percentile per-packet one-way delay: 74.990 ms

Loss rate: 4.75%

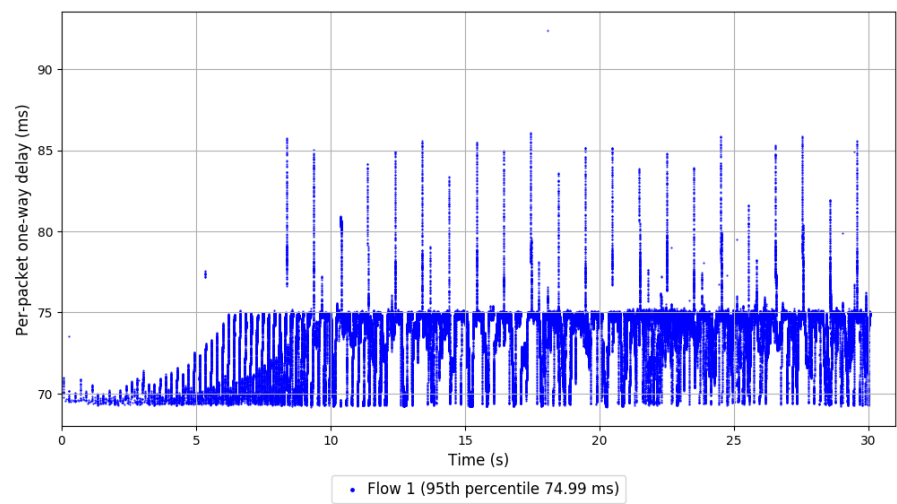
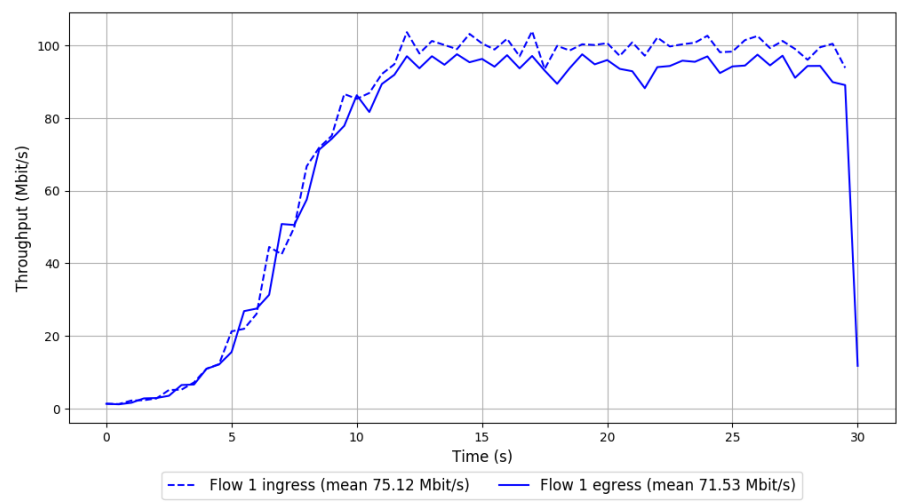
-- Flow 1:

Average throughput: 71.53 Mbit/s

95th percentile per-packet one-way delay: 74.990 ms

Loss rate: 4.75%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Mon, 24 Jul 2017 20:07:53 +0000

End at: Mon, 24 Jul 2017 20:08:23 +0000

Local clock offset: -0.093 ms

Remote clock offset: 4.746 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:38:12 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 75.047 ms

Loss rate: 1.07%

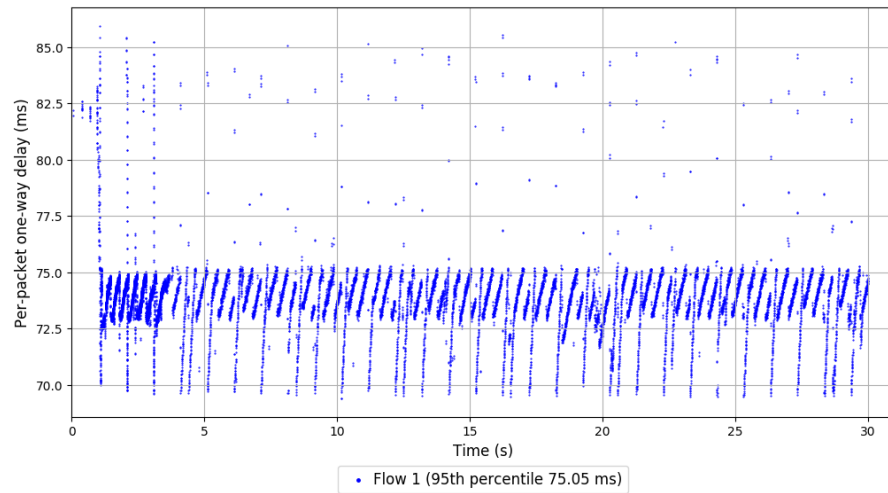
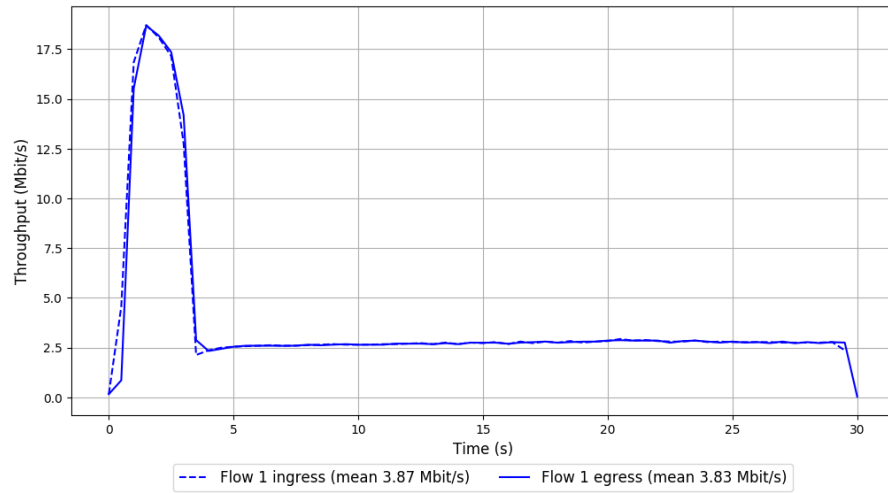
-- Flow 1:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 75.047 ms

Loss rate: 1.07%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Mon, 24 Jul 2017 20:27:00 +0000

End at: Mon, 24 Jul 2017 20:27:30 +0000

Local clock offset: -1.335 ms

Remote clock offset: 8.792 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:38:17 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.67 Mbit/s

95th percentile per-packet one-way delay: 74.412 ms

Loss rate: 0.15%

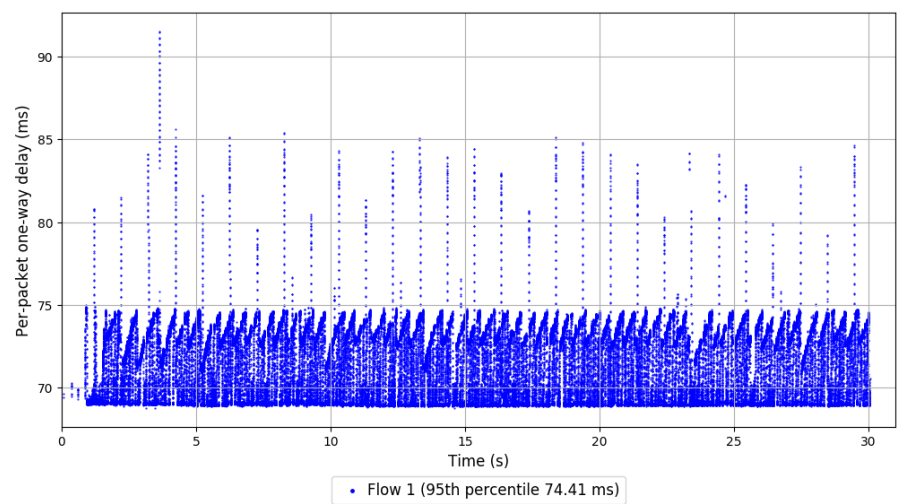
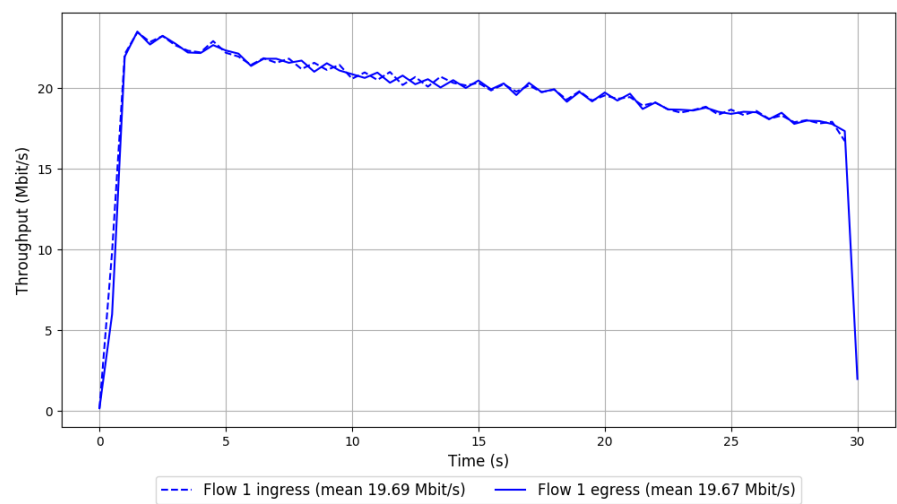
-- Flow 1:

Average throughput: 19.67 Mbit/s

95th percentile per-packet one-way delay: 74.412 ms

Loss rate: 0.15%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Mon, 24 Jul 2017 20:46:04 +0000

End at: Mon, 24 Jul 2017 20:46:35 +0000

Local clock offset: 0.115 ms

Remote clock offset: 8.26 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:38:17 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.91 Mbit/s

95th percentile per-packet one-way delay: 72.896 ms

Loss rate: 1.79%

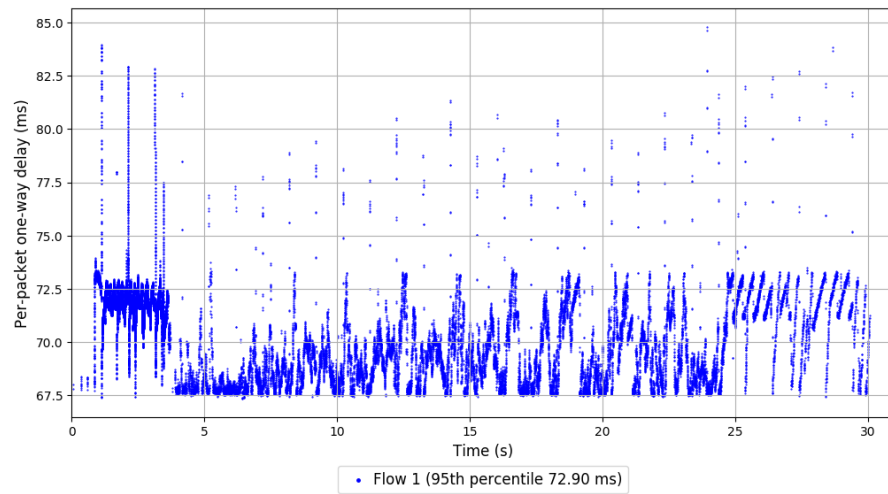
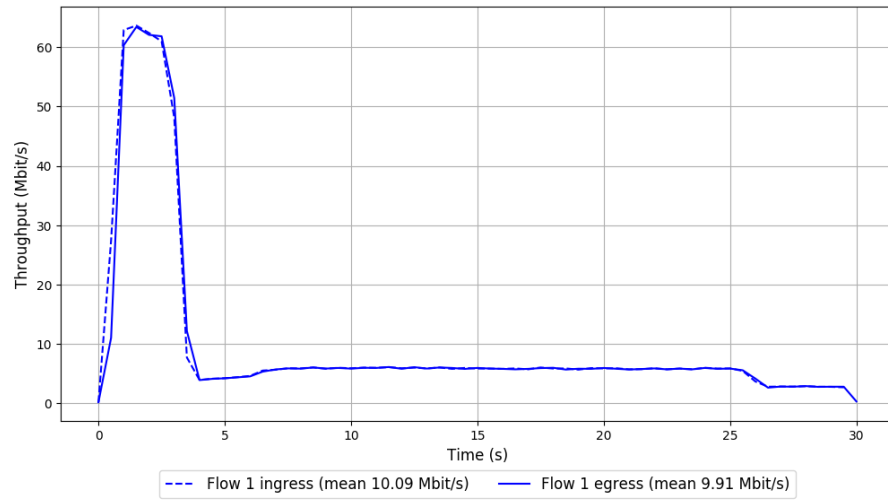
-- Flow 1:

Average throughput: 9.91 Mbit/s

95th percentile per-packet one-way delay: 72.896 ms

Loss rate: 1.79%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

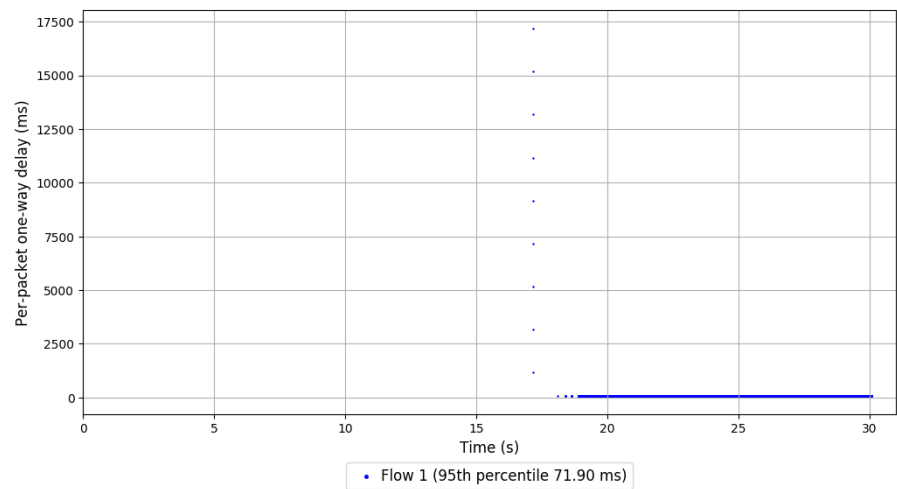
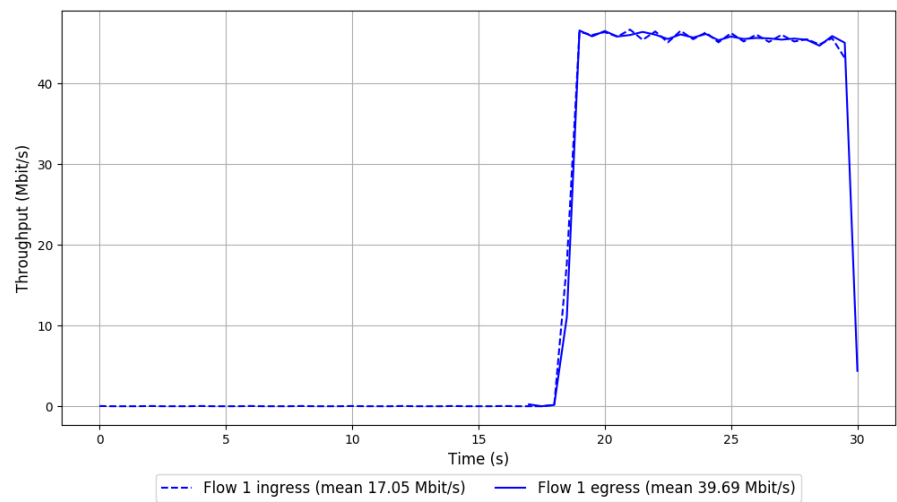
Start at: Mon, 24 Jul 2017 21:05:12 +0000

End at: Mon, 24 Jul 2017 21:05:42 +0000

Local clock offset: 0.016 ms

Remote clock offset: 7.585 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Mon, 24 Jul 2017 21:24:25 +0000

End at: Mon, 24 Jul 2017 21:24:55 +0000

Local clock offset: -1.003 ms

Remote clock offset: 6.733 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:38:34 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.26 Mbit/s

95th percentile per-packet one-way delay: 74.425 ms

Loss rate: 0.03%

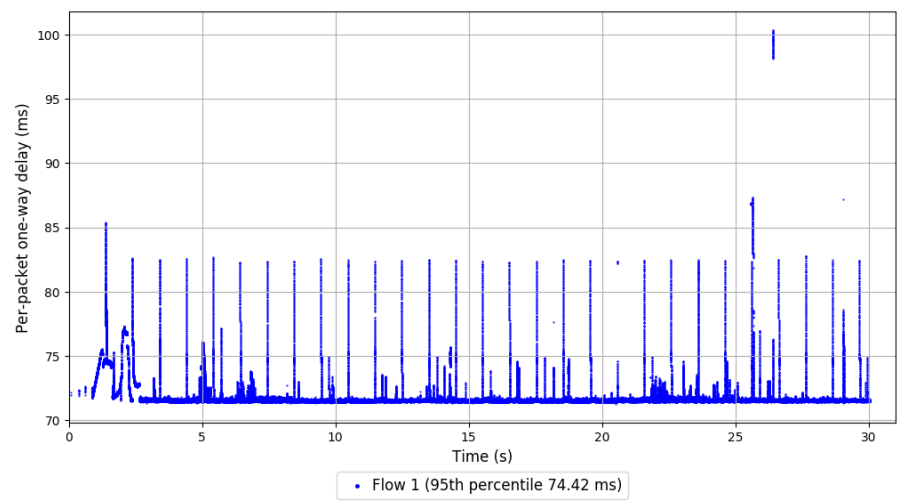
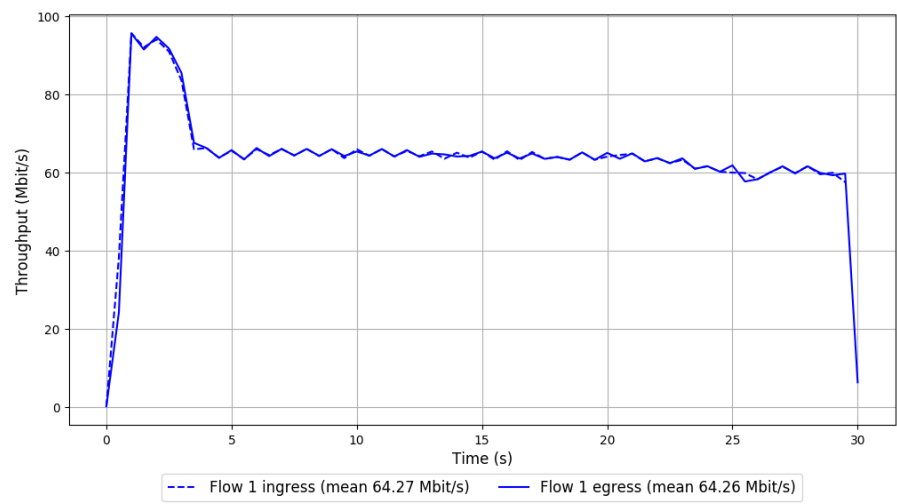
-- Flow 1:

Average throughput: 64.26 Mbit/s

95th percentile per-packet one-way delay: 74.425 ms

Loss rate: 0.03%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Mon, 24 Jul 2017 21:45:04 +0000

End at: Mon, 24 Jul 2017 21:45:35 +0000

Local clock offset: -0.736 ms

Remote clock offset: 7.044 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:38:34 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.33 Mbit/s

95th percentile per-packet one-way delay: 72.023 ms

Loss rate: 0.00%

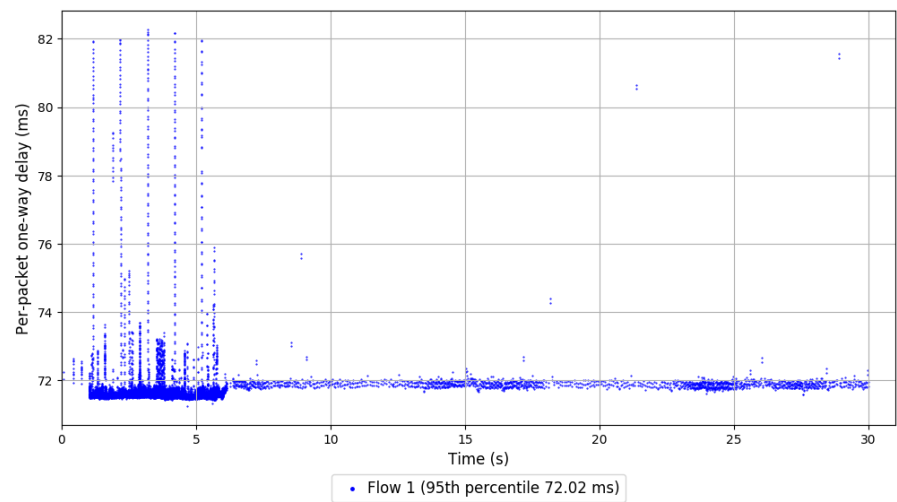
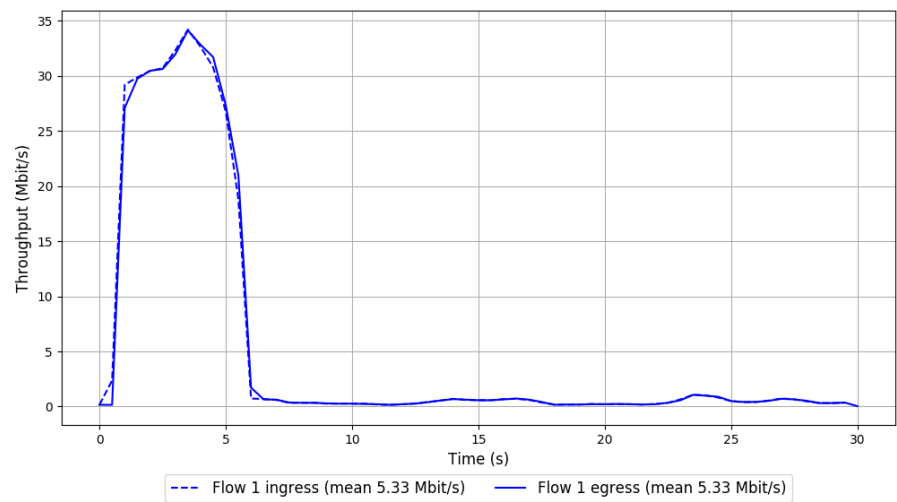
-- Flow 1:

Average throughput: 5.33 Mbit/s

95th percentile per-packet one-way delay: 72.023 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Mon, 24 Jul 2017 22:04:41 +0000

End at: Mon, 24 Jul 2017 22:05:11 +0000

Local clock offset: -0.493 ms

Remote clock offset: 7.653 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:38:34 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.64 Mbit/s

95th percentile per-packet one-way delay: 71.943 ms

Loss rate: 0.00%

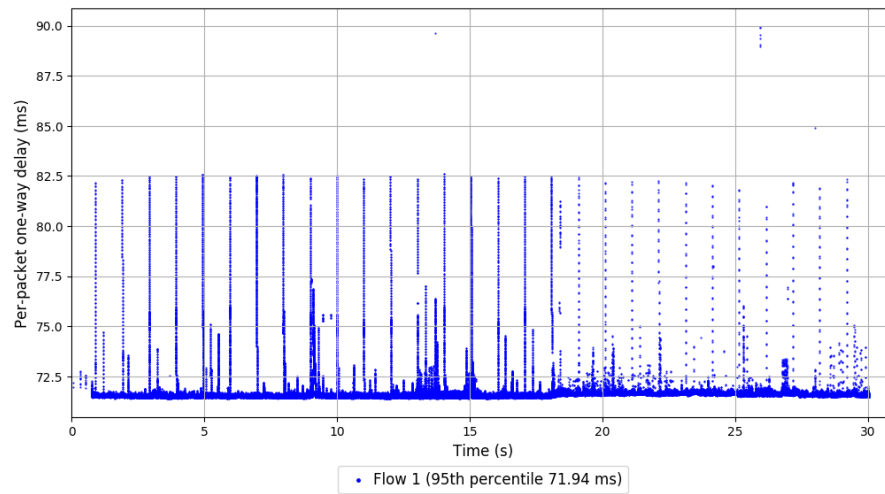
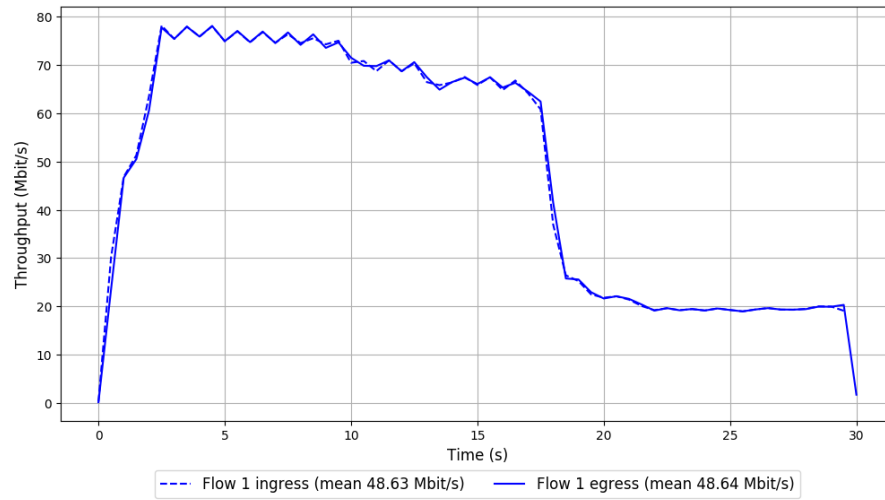
-- Flow 1:

Average throughput: 48.64 Mbit/s

95th percentile per-packet one-way delay: 71.943 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Mon, 24 Jul 2017 22:24:34 +0000

End at: Mon, 24 Jul 2017 22:25:04 +0000

Local clock offset: -0.252 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:38:48 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.09 Mbit/s

95th percentile per-packet one-way delay: 65.376 ms

Loss rate: 1.53%

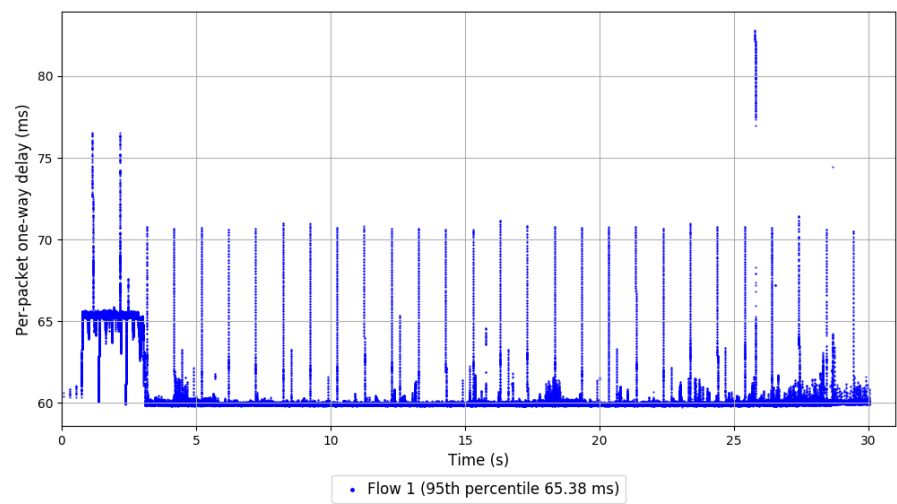
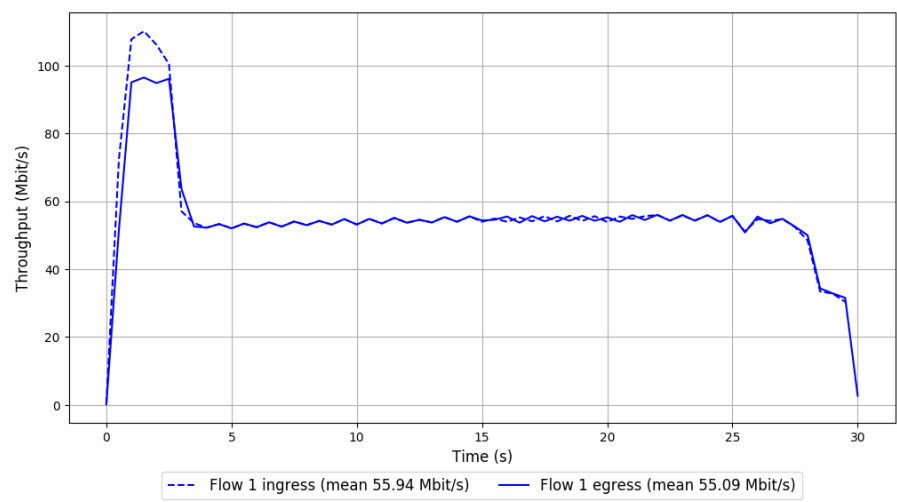
-- Flow 1:

Average throughput: 55.09 Mbit/s

95th percentile per-packet one-way delay: 65.376 ms

Loss rate: 1.53%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Mon, 24 Jul 2017 22:43:38 +0000

End at: Mon, 24 Jul 2017 22:44:08 +0000

Local clock offset: -0.081 ms

Remote clock offset: 8.801 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:38:48 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.85 Mbit/s

95th percentile per-packet one-way delay: 72.136 ms

Loss rate: 0.00%

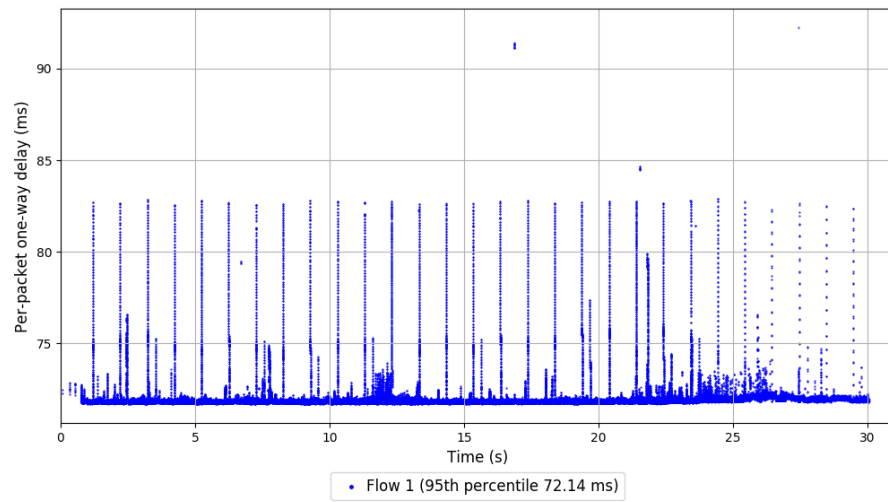
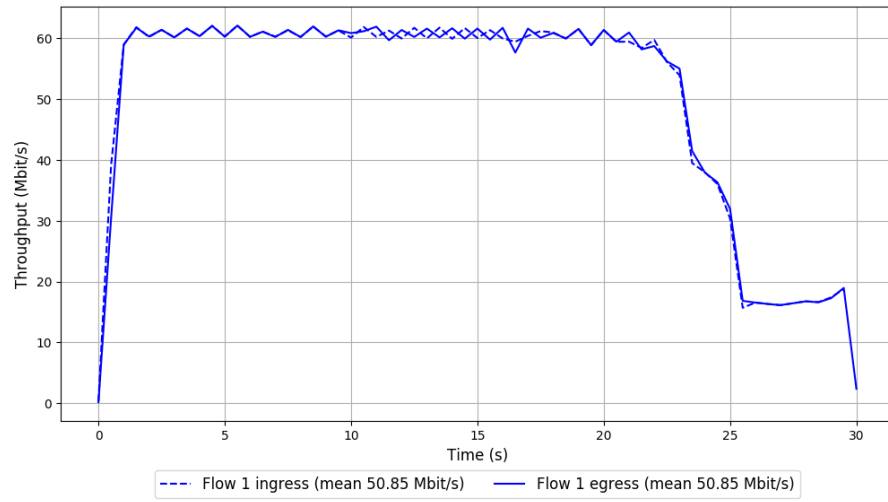
-- Flow 1:

Average throughput: 50.85 Mbit/s

95th percentile per-packet one-way delay: 72.136 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Mon, 24 Jul 2017 23:02:39 +0000

End at: Mon, 24 Jul 2017 23:03:09 +0000

Local clock offset: -0.068 ms

Remote clock offset: 8.024 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:38:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.42 Mbit/s

95th percentile per-packet one-way delay: 72.383 ms

Loss rate: 0.01%

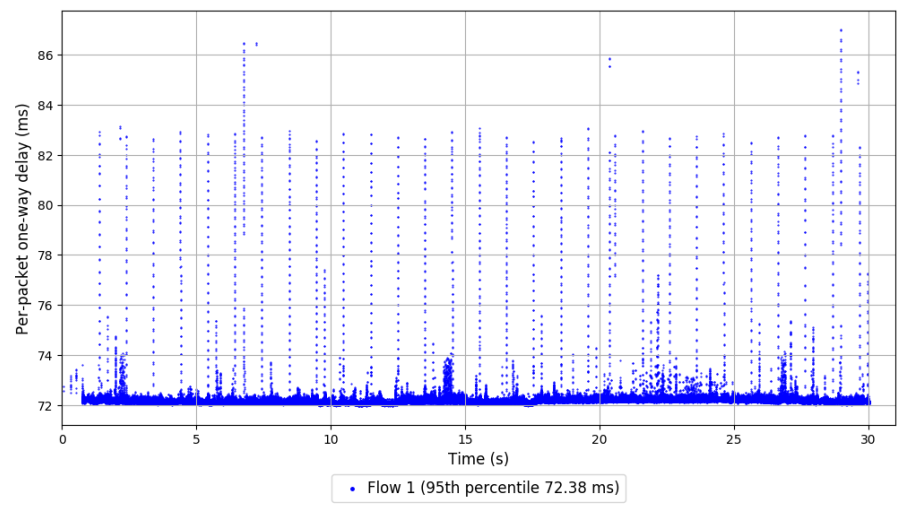
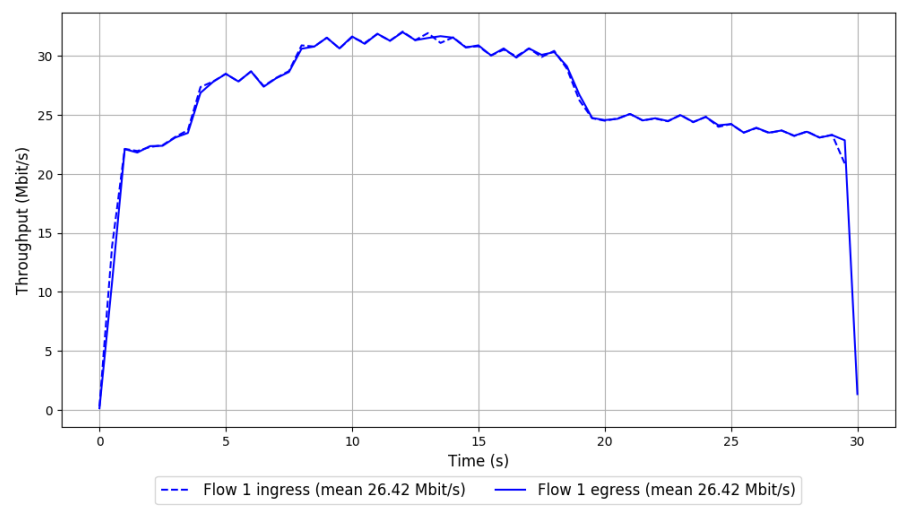
-- Flow 1:

Average throughput: 26.42 Mbit/s

95th percentile per-packet one-way delay: 72.383 ms

Loss rate: 0.01%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 20:18:04 +0000

End at: Mon, 24 Jul 2017 20:18:34 +0000

Local clock offset: -0.185 ms

Remote clock offset: 7.292 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:38:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 78.899 ms

Loss rate: 6.31%

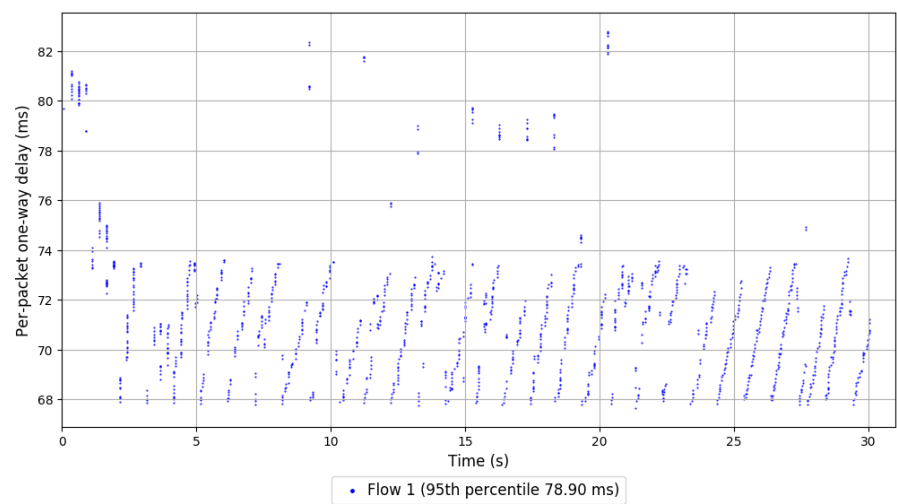
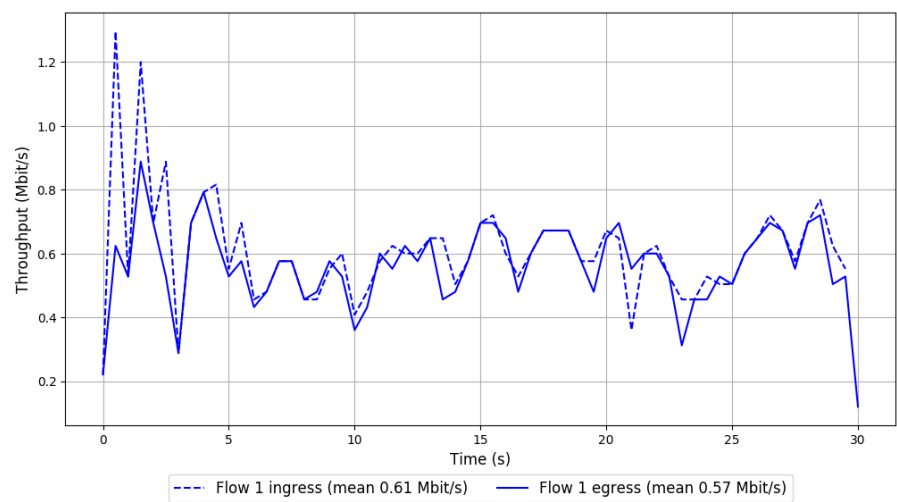
-- Flow 1:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 78.899 ms

Loss rate: 6.31%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 20:37:14 +0000

End at: Mon, 24 Jul 2017 20:37:44 +0000

Local clock offset: -1.287 ms

Remote clock offset: 7.218 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:38:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.64 Mbit/s

95th percentile per-packet one-way delay: 75.967 ms

Loss rate: 4.98%

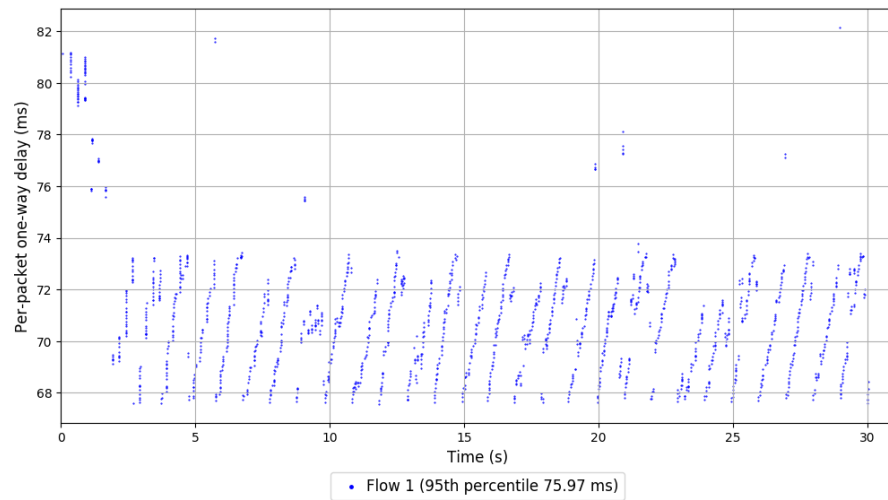
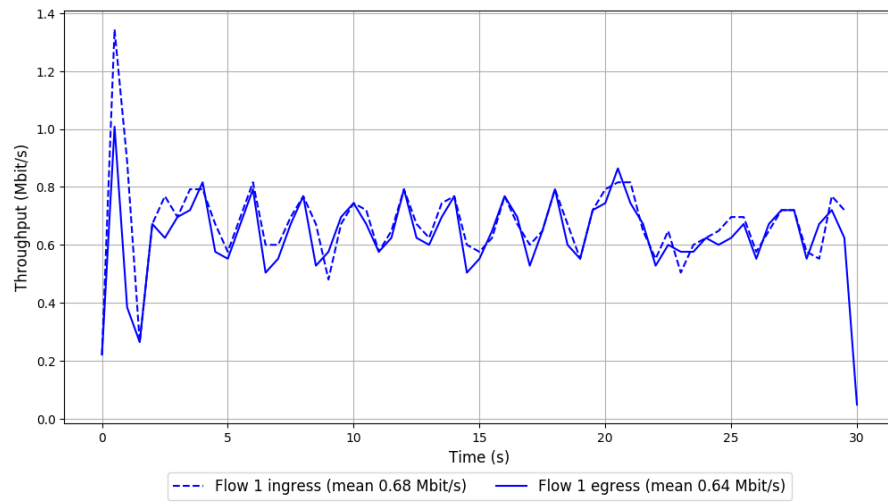
-- Flow 1:

Average throughput: 0.64 Mbit/s

95th percentile per-packet one-way delay: 75.967 ms

Loss rate: 4.98%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 20:56:20 +0000

End at: Mon, 24 Jul 2017 20:56:50 +0000

Local clock offset: 0.207 ms

Remote clock offset: 10.436 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:38:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.78 Mbit/s

95th percentile per-packet one-way delay: 79.419 ms

Loss rate: 6.76%

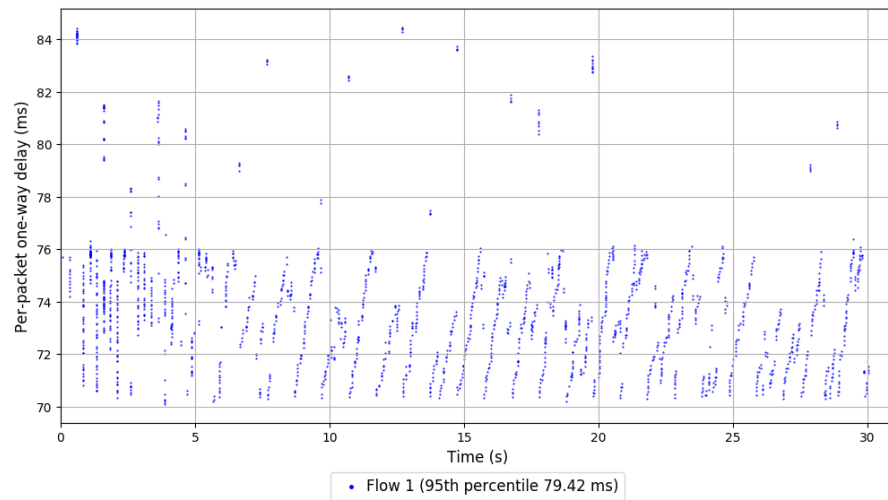
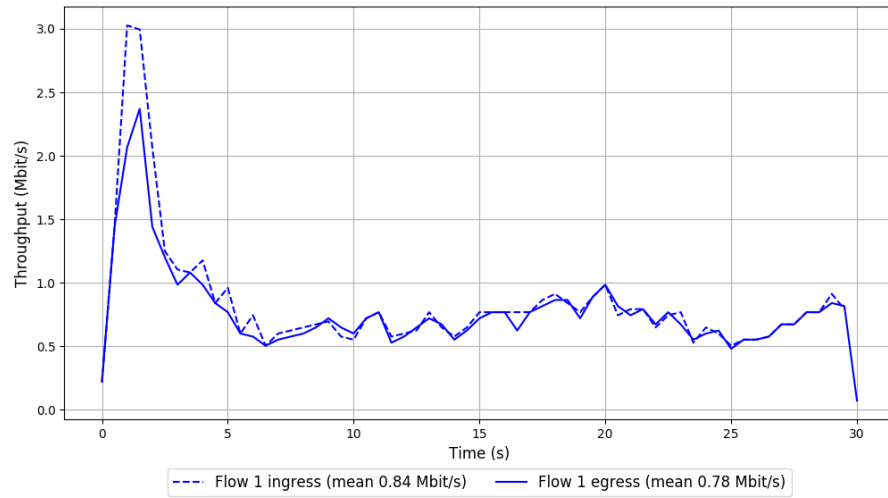
-- Flow 1:

Average throughput: 0.78 Mbit/s

95th percentile per-packet one-way delay: 79.419 ms

Loss rate: 6.76%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 21:15:30 +0000

End at: Mon, 24 Jul 2017 21:16:00 +0000

Local clock offset: -1.022 ms

Remote clock offset: 7.116 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:38:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.06 Mbit/s

95th percentile per-packet one-way delay: 72.447 ms

Loss rate: 0.47%

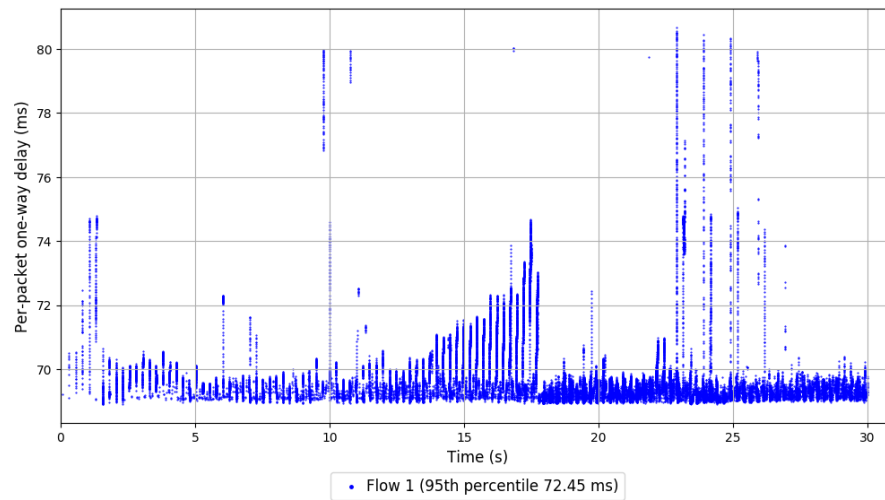
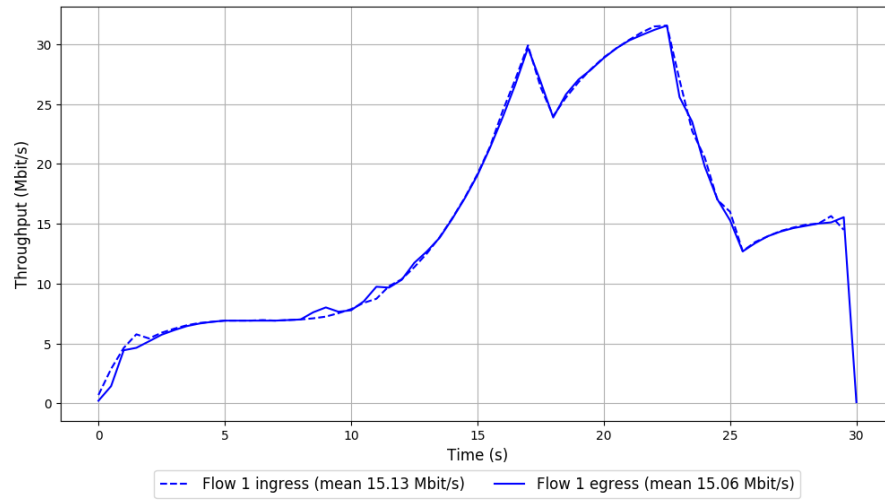
-- Flow 1:

Average throughput: 15.06 Mbit/s

95th percentile per-packet one-way delay: 72.447 ms

Loss rate: 0.47%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 21:34:47 +0000

End at: Mon, 24 Jul 2017 21:35:17 +0000

Local clock offset: -0.896 ms

Remote clock offset: 6.728 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:38:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.85 Mbit/s

95th percentile per-packet one-way delay: 73.708 ms

Loss rate: 1.00%

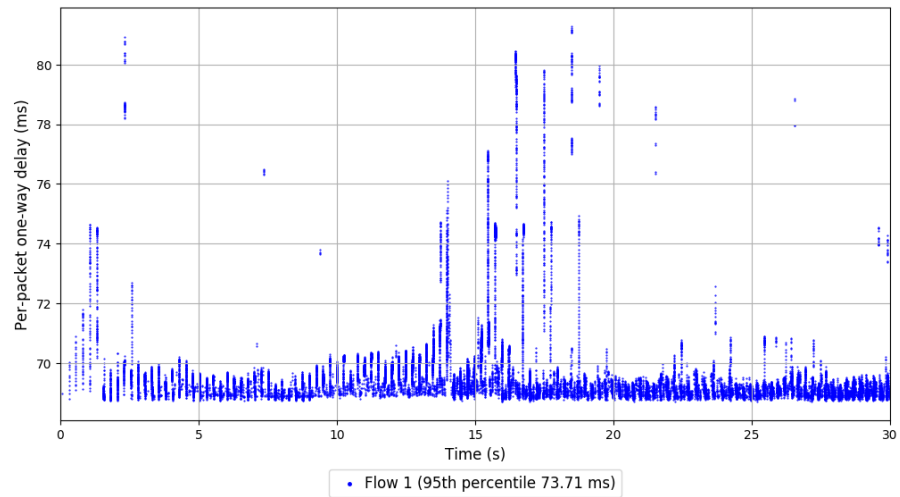
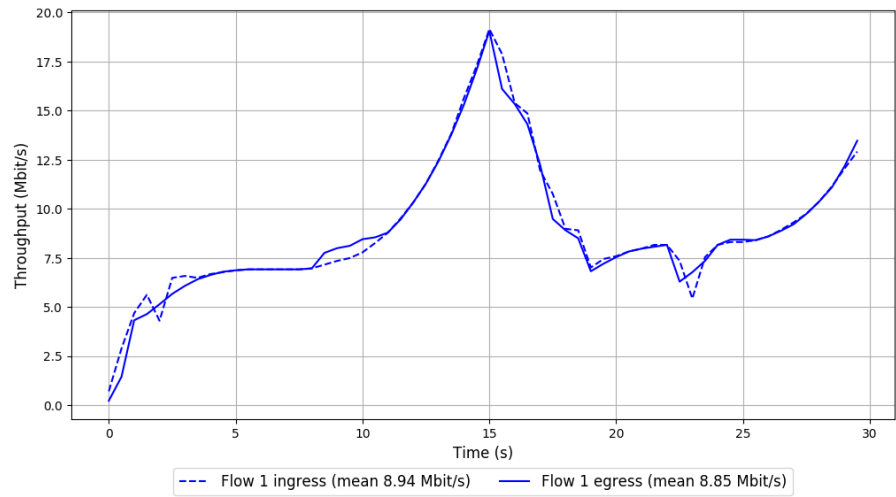
-- Flow 1:

Average throughput: 8.85 Mbit/s

95th percentile per-packet one-way delay: 73.708 ms

Loss rate: 1.00%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 21:55:46 +0000

End at: Mon, 24 Jul 2017 21:56:16 +0000

Local clock offset: -0.68 ms

Remote clock offset: 7.48 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:38:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.84 Mbit/s

95th percentile per-packet one-way delay: 72.146 ms

Loss rate: 0.49%

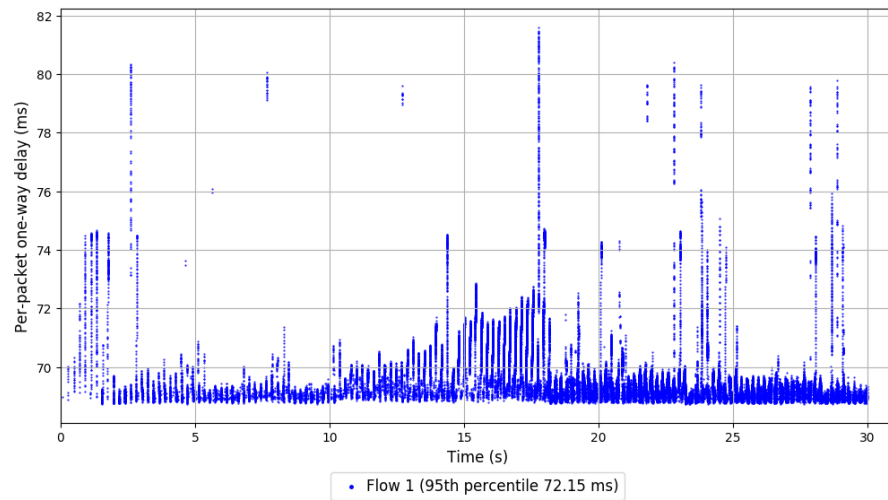
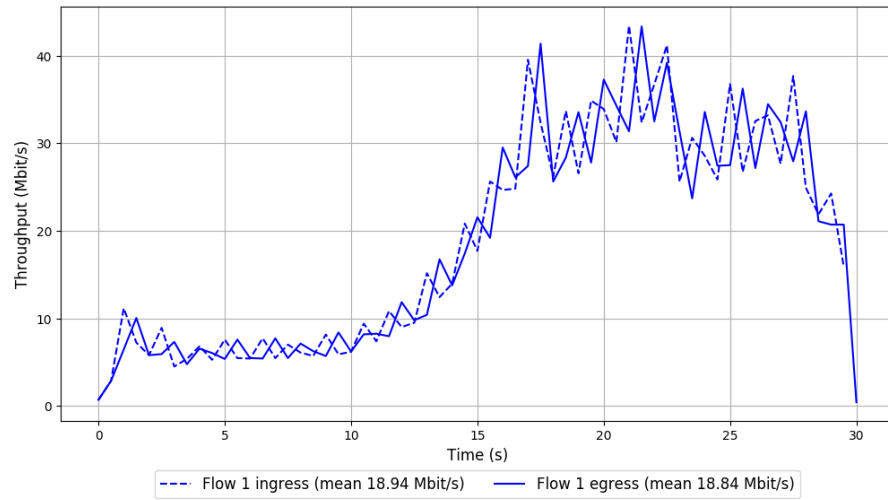
-- Flow 1:

Average throughput: 18.84 Mbit/s

95th percentile per-packet one-way delay: 72.146 ms

Loss rate: 0.49%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 22:14:52 +0000

End at: Mon, 24 Jul 2017 22:15:22 +0000

Local clock offset: -0.323 ms

Remote clock offset: 8.313 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:38:59 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.74 Mbit/s

95th percentile per-packet one-way delay: 74.161 ms

Loss rate: 0.62%

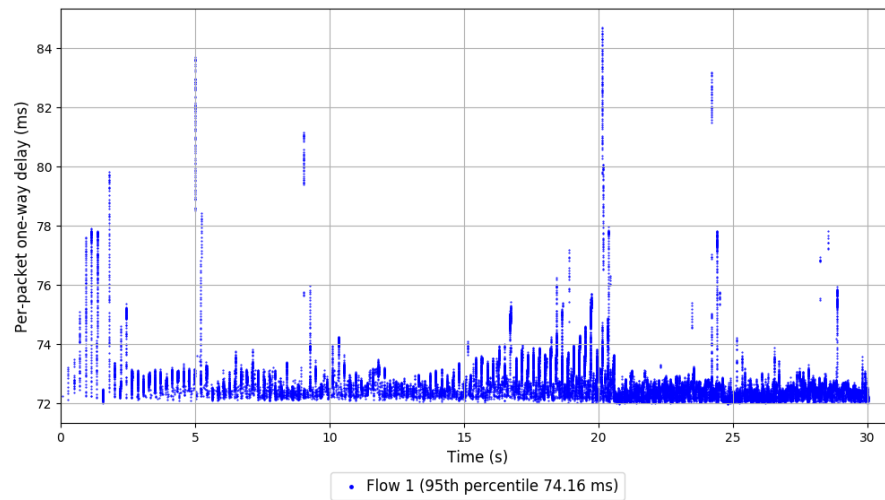
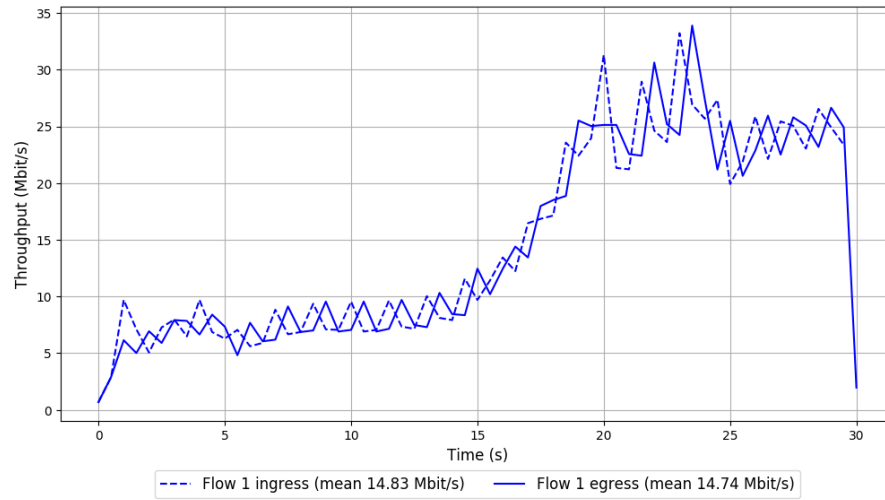
-- Flow 1:

Average throughput: 14.74 Mbit/s

95th percentile per-packet one-way delay: 74.161 ms

Loss rate: 0.62%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 22:34:50 +0000

End at: Mon, 24 Jul 2017 22:35:20 +0000

Local clock offset: -0.187 ms

Remote clock offset: 9.07 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.68 Mbit/s

95th percentile per-packet one-way delay: 72.085 ms

Loss rate: 0.54%

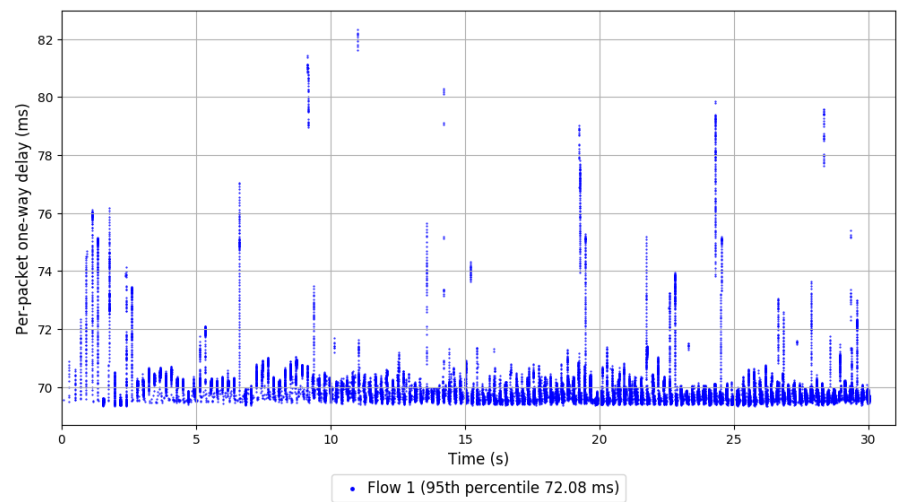
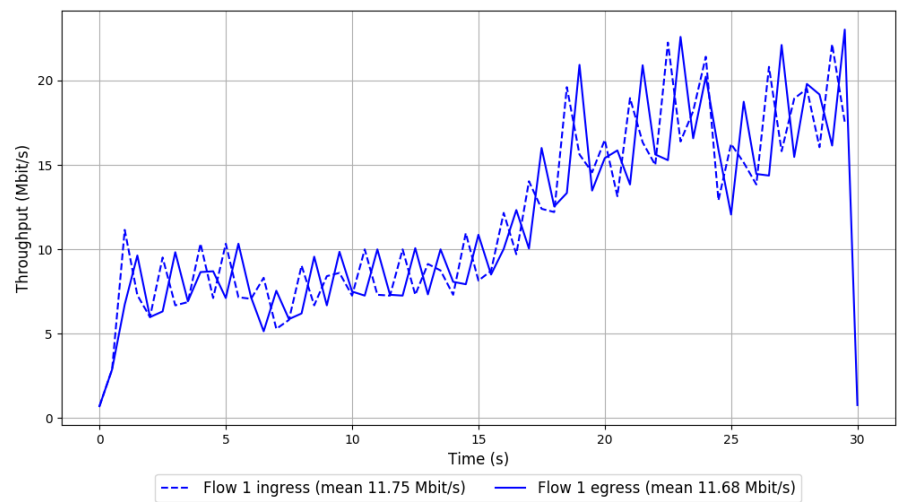
-- Flow 1:

Average throughput: 11.68 Mbit/s

95th percentile per-packet one-way delay: 72.085 ms

Loss rate: 0.54%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 22:53:46 +0000

End at: Mon, 24 Jul 2017 22:54:16 +0000

Local clock offset: 1.176 ms

Remote clock offset: 8.442 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.95 Mbit/s

95th percentile per-packet one-way delay: 72.962 ms

Loss rate: 0.87%

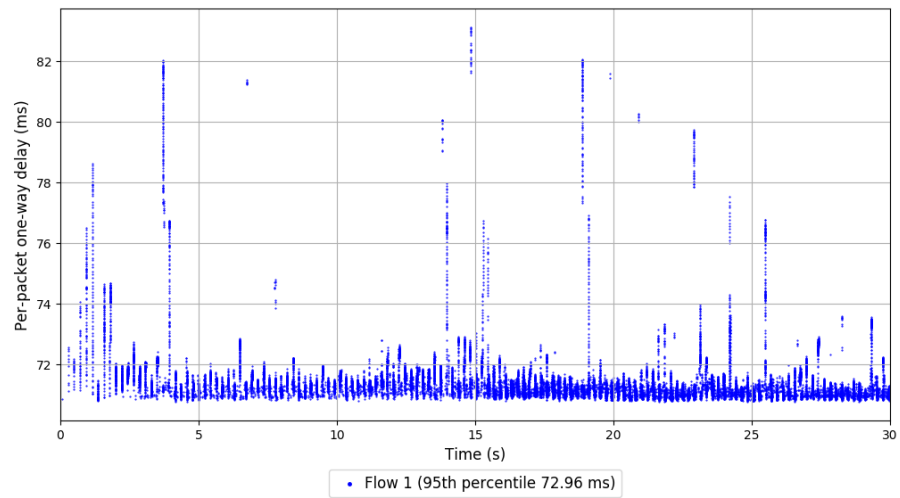
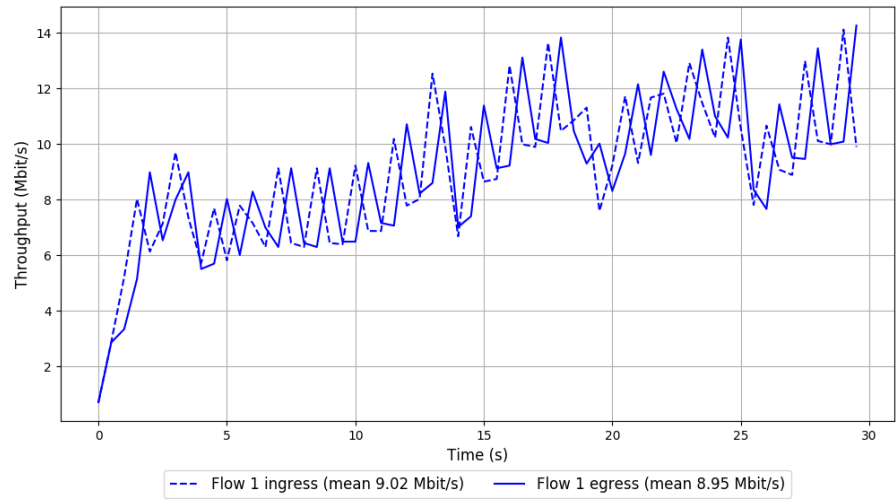
-- Flow 1:

Average throughput: 8.95 Mbit/s

95th percentile per-packet one-way delay: 72.962 ms

Loss rate: 0.87%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 23:12:47 +0000

End at: Mon, 24 Jul 2017 23:13:17 +0000

Local clock offset: -0.035 ms

Remote clock offset: 7.8 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.03 Mbit/s

95th percentile per-packet one-way delay: 75.180 ms

Loss rate: 0.72%

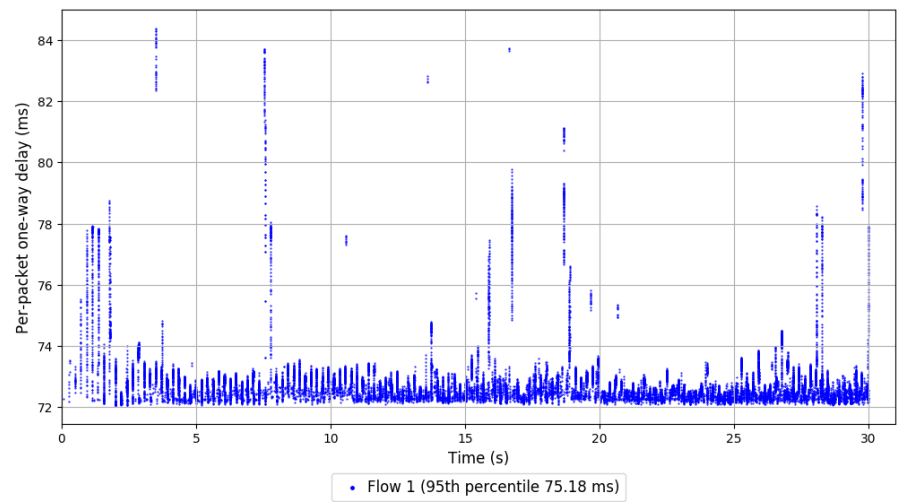
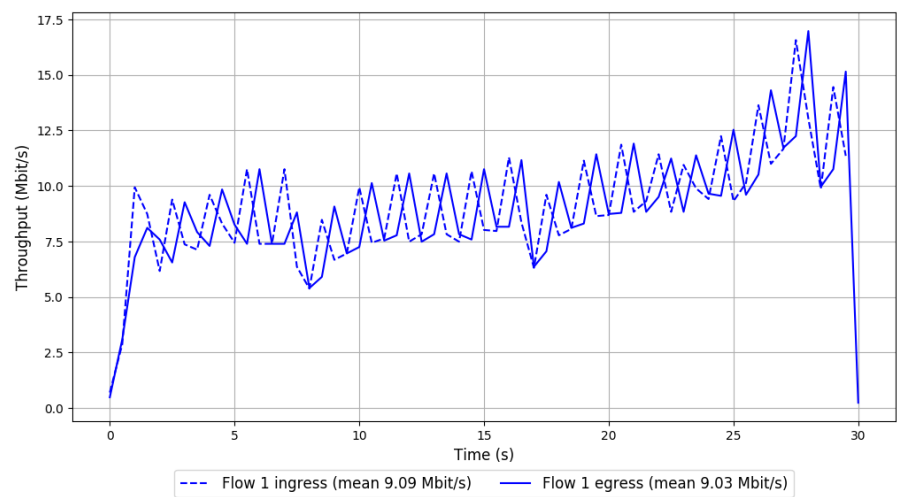
-- Flow 1:

Average throughput: 9.03 Mbit/s

95th percentile per-packet one-way delay: 75.180 ms

Loss rate: 0.72%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Mon, 24 Jul 2017 20:06:37 +0000

End at: Mon, 24 Jul 2017 20:07:07 +0000

Local clock offset: -0.096 ms

Remote clock offset: 3.324 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 71.010 ms

Loss rate: 4.83%

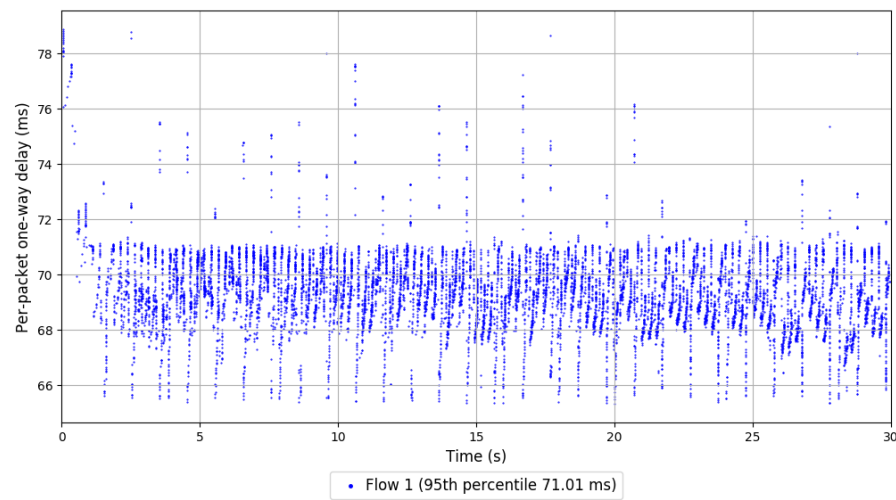
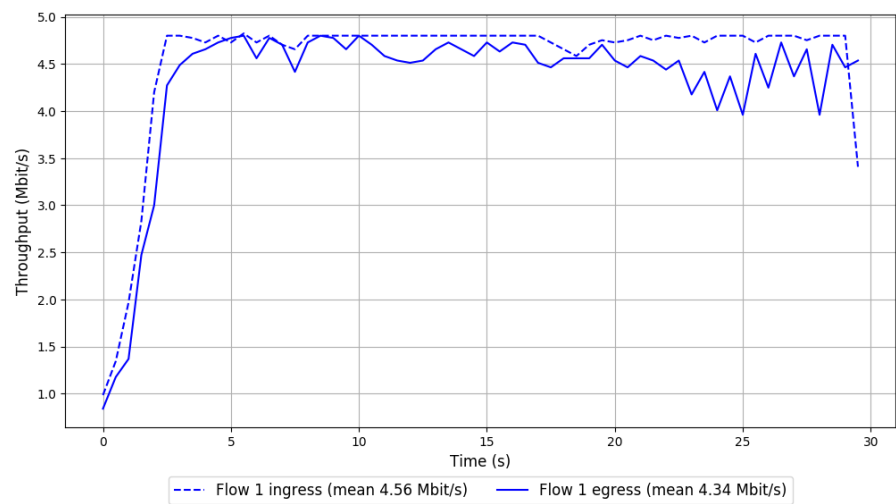
-- Flow 1:

Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 71.010 ms

Loss rate: 4.83%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Mon, 24 Jul 2017 20:25:45 +0000

End at: Mon, 24 Jul 2017 20:26:15 +0000

Local clock offset: -0.175 ms

Remote clock offset: 8.622 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:05 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.52 Mbit/s

95th percentile per-packet one-way delay: 75.374 ms

Loss rate: 1.48%

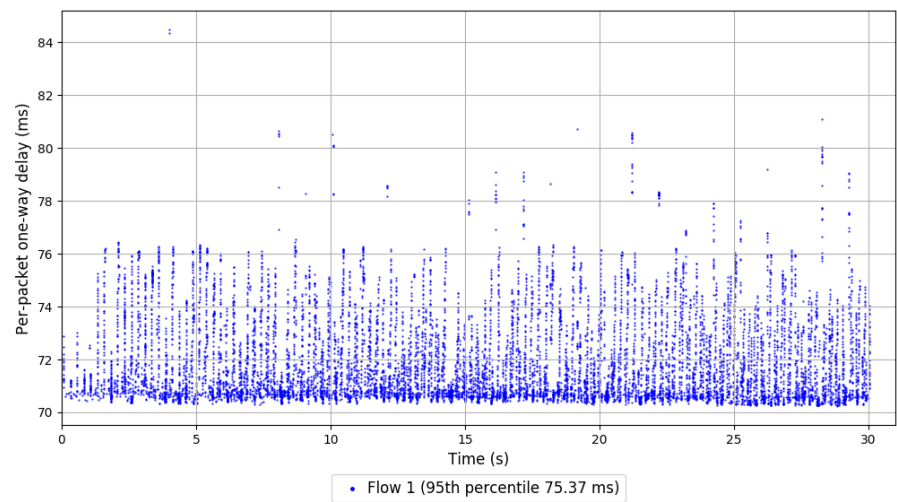
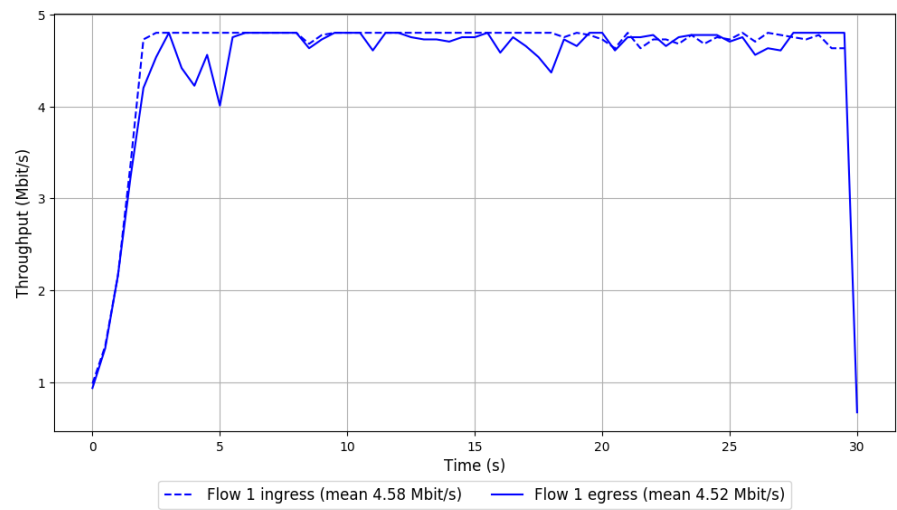
-- Flow 1:

Average throughput: 4.52 Mbit/s

95th percentile per-packet one-way delay: 75.374 ms

Loss rate: 1.48%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Mon, 24 Jul 2017 20:44:48 +0000

End at: Mon, 24 Jul 2017 20:45:18 +0000

Local clock offset: -1.215 ms

Remote clock offset: 8.27 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:05 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.37 Mbit/s

95th percentile per-packet one-way delay: 77.564 ms

Loss rate: 2.56%

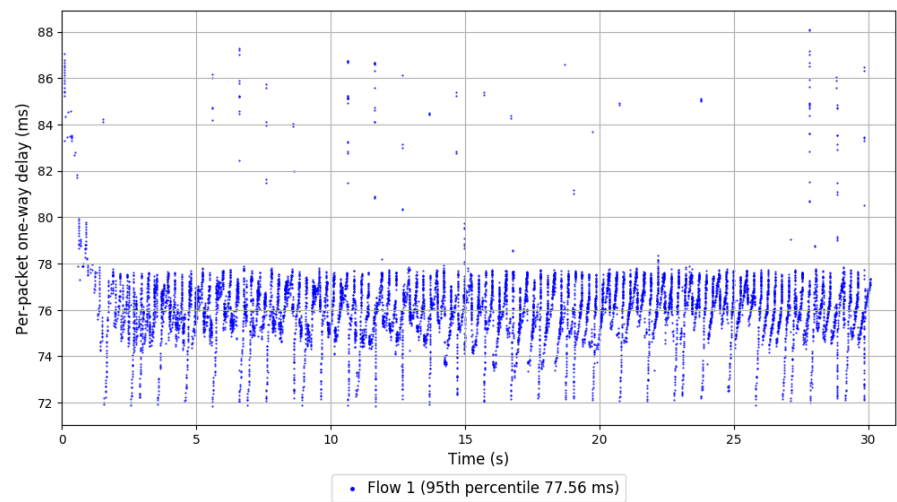
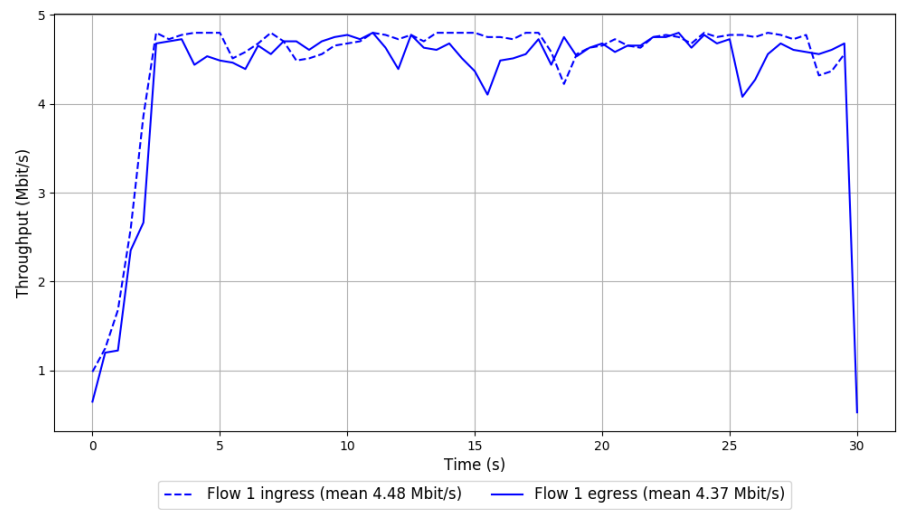
-- Flow 1:

Average throughput: 4.37 Mbit/s

95th percentile per-packet one-way delay: 77.564 ms

Loss rate: 2.56%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Mon, 24 Jul 2017 21:03:56 +0000

End at: Mon, 24 Jul 2017 21:04:26 +0000

Local clock offset: 0.0 ms

Remote clock offset: 7.588 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:07 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.66 Mbit/s

95th percentile per-packet one-way delay: 70.449 ms

Loss rate: 0.02%

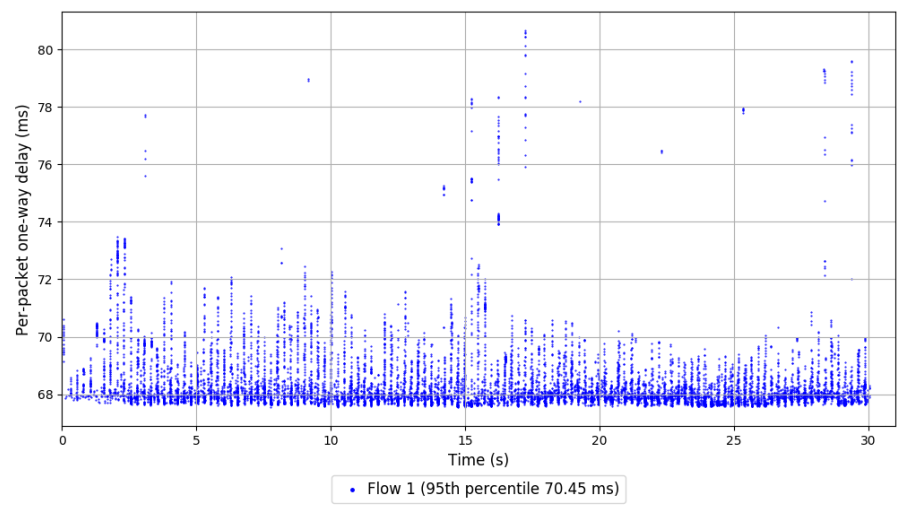
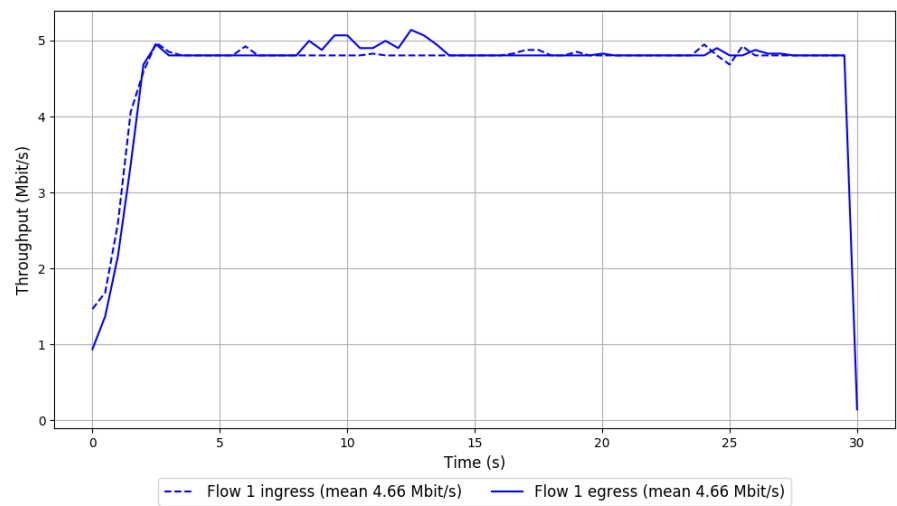
-- Flow 1:

Average throughput: 4.66 Mbit/s

95th percentile per-packet one-way delay: 70.449 ms

Loss rate: 0.02%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Mon, 24 Jul 2017 21:23:10 +0000

End at: Mon, 24 Jul 2017 21:23:40 +0000

Local clock offset: -0.976 ms

Remote clock offset: 6.75 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:07 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.66 Mbit/s

95th percentile per-packet one-way delay: 70.643 ms

Loss rate: 0.03%

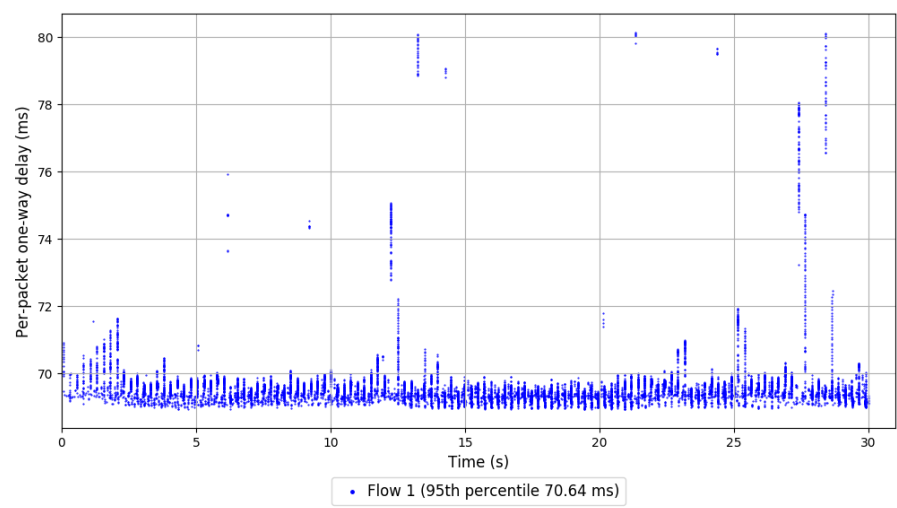
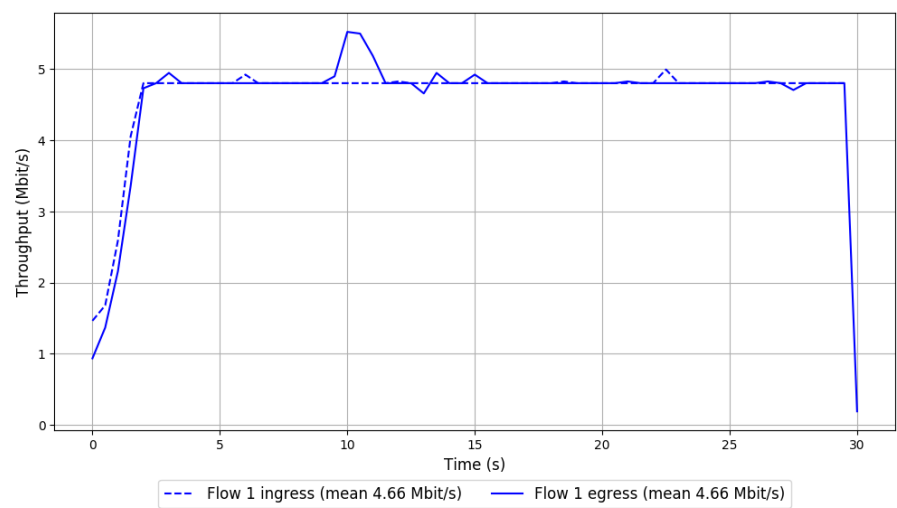
-- Flow 1:

Average throughput: 4.66 Mbit/s

95th percentile per-packet one-way delay: 70.643 ms

Loss rate: 0.03%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Mon, 24 Jul 2017 21:43:43 +0000

End at: Mon, 24 Jul 2017 21:44:13 +0000

Local clock offset: -0.754 ms

Remote clock offset: 6.947 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.05 Mbit/s

95th percentile per-packet one-way delay: 72.731 ms

Loss rate: 0.00%

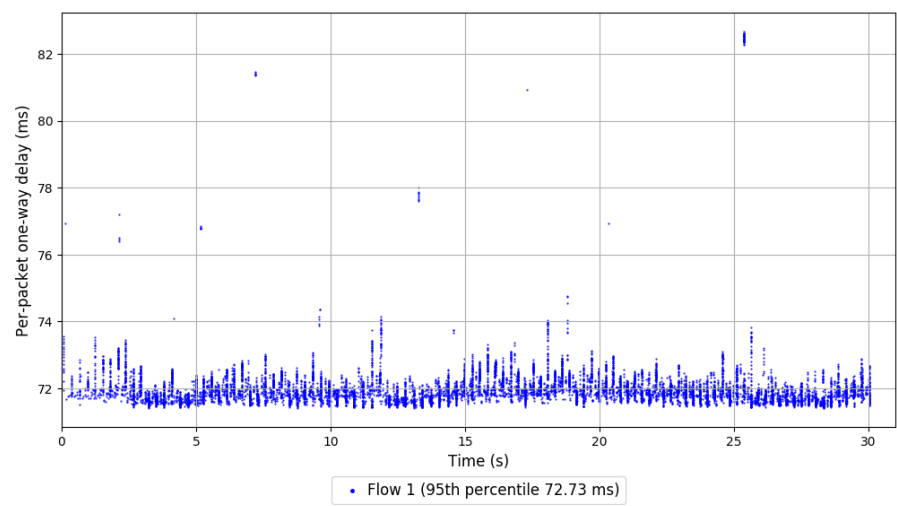
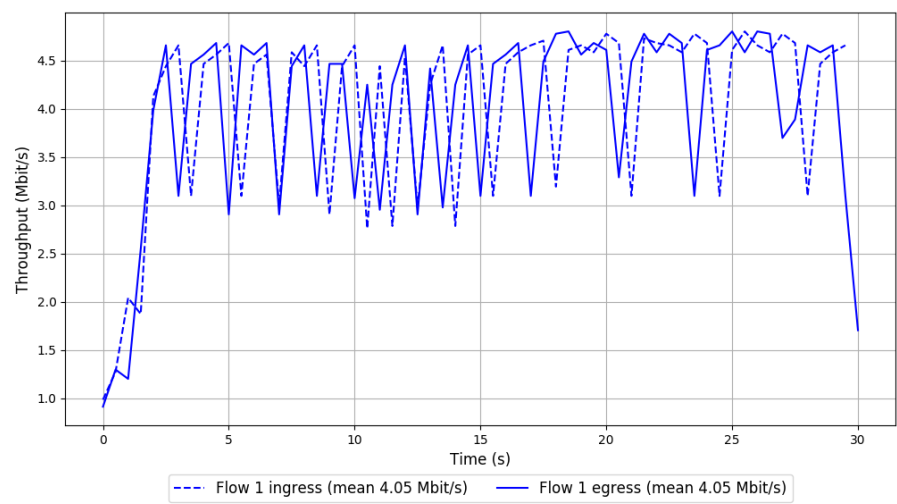
-- Flow 1:

Average throughput: 4.05 Mbit/s

95th percentile per-packet one-way delay: 72.731 ms

Loss rate: 0.00%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Mon, 24 Jul 2017 22:03:27 +0000

End at: Mon, 24 Jul 2017 22:03:57 +0000

Local clock offset: 0.765 ms

Remote clock offset: 7.591 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.53 Mbit/s

95th percentile per-packet one-way delay: 69.350 ms

Loss rate: 0.00%

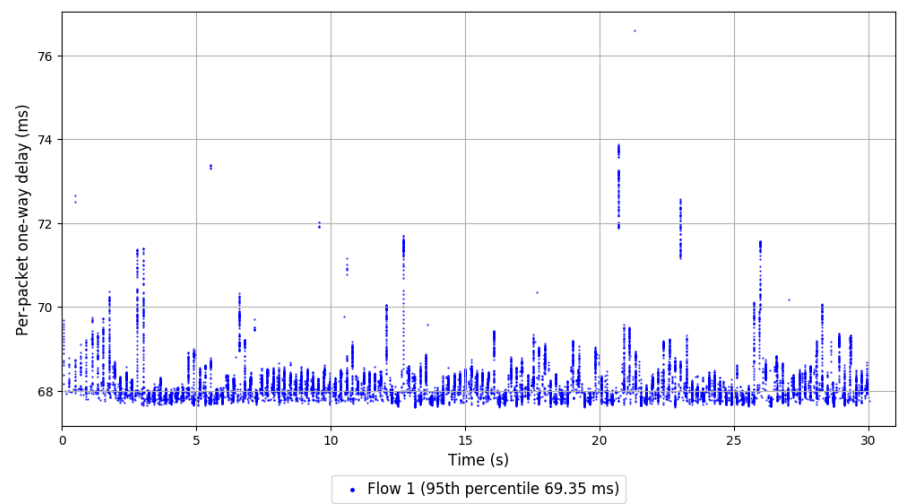
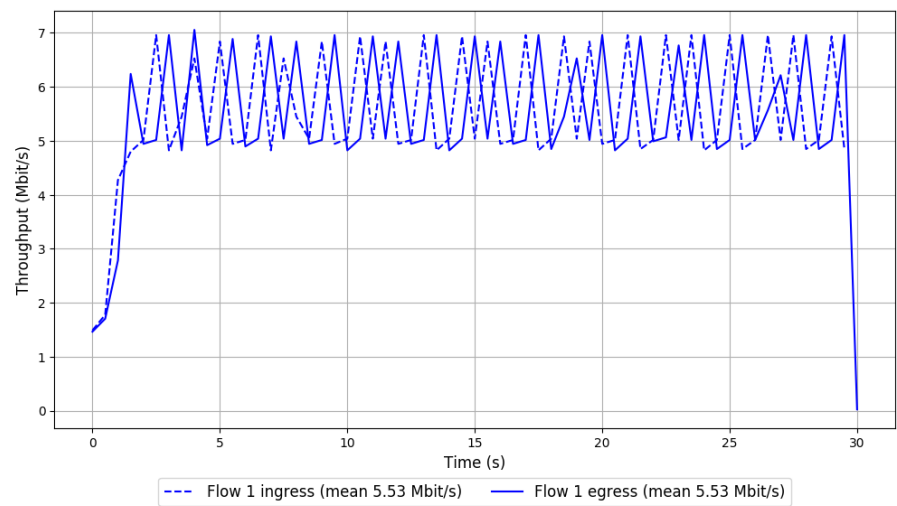
-- Flow 1:

Average throughput: 5.53 Mbit/s

95th percentile per-packet one-way delay: 69.350 ms

Loss rate: 0.00%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Mon, 24 Jul 2017 22:22:32 +0000

End at: Mon, 24 Jul 2017 22:23:02 +0000

Local clock offset: -0.318 ms

Remote clock offset: 8.714 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:10 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.53 Mbit/s

95th percentile per-packet one-way delay: 70.565 ms

Loss rate: 0.01%

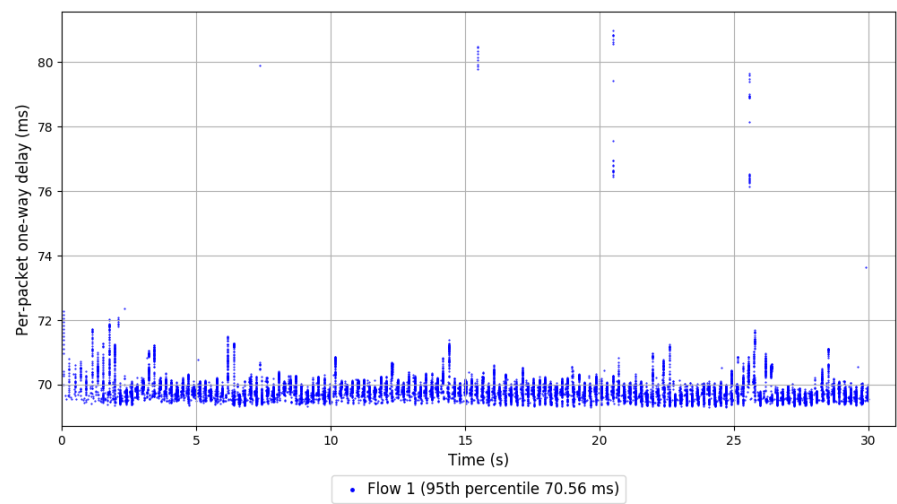
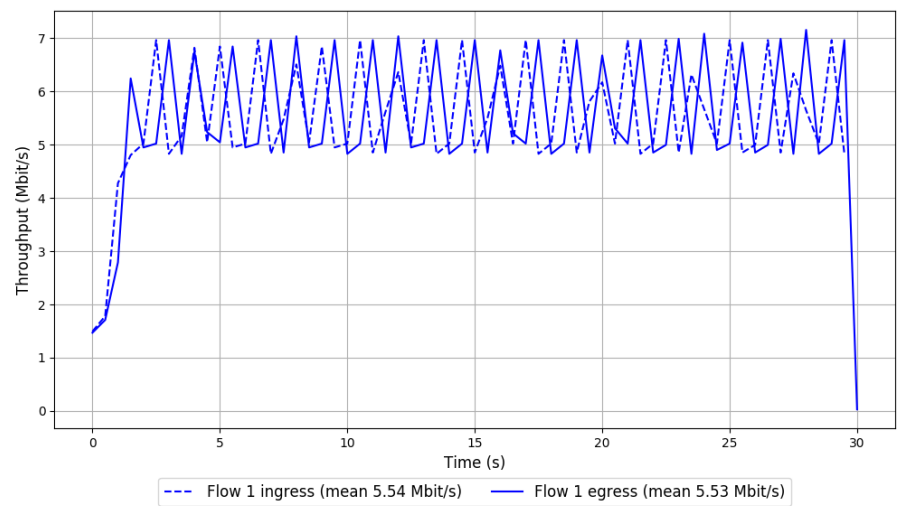
-- Flow 1:

Average throughput: 5.53 Mbit/s

95th percentile per-packet one-way delay: 70.565 ms

Loss rate: 0.01%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Mon, 24 Jul 2017 22:42:24 +0000

End at: Mon, 24 Jul 2017 22:42:54 +0000

Local clock offset: -0.056 ms

Remote clock offset: 8.797 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:10 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 73.259 ms

Loss rate: 0.02%

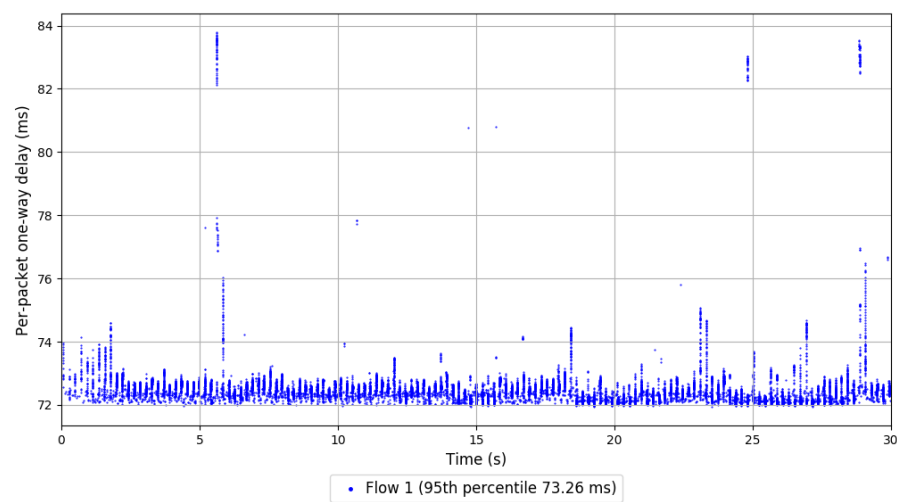
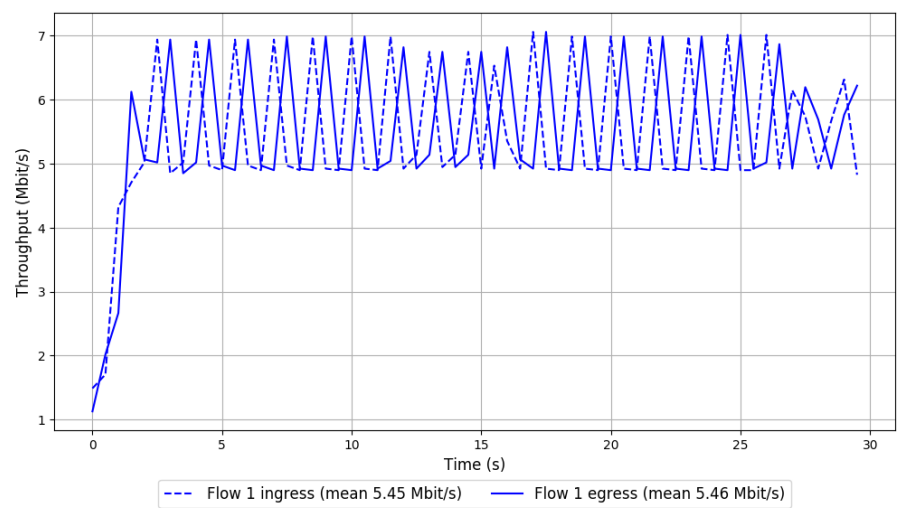
-- Flow 1:

Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 73.259 ms

Loss rate: 0.02%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Mon, 24 Jul 2017 23:01:25 +0000

End at: Mon, 24 Jul 2017 23:01:55 +0000

Local clock offset: 1.118 ms

Remote clock offset: 8.078 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:12 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.44 Mbit/s

95th percentile per-packet one-way delay: 72.359 ms

Loss rate: 0.24%

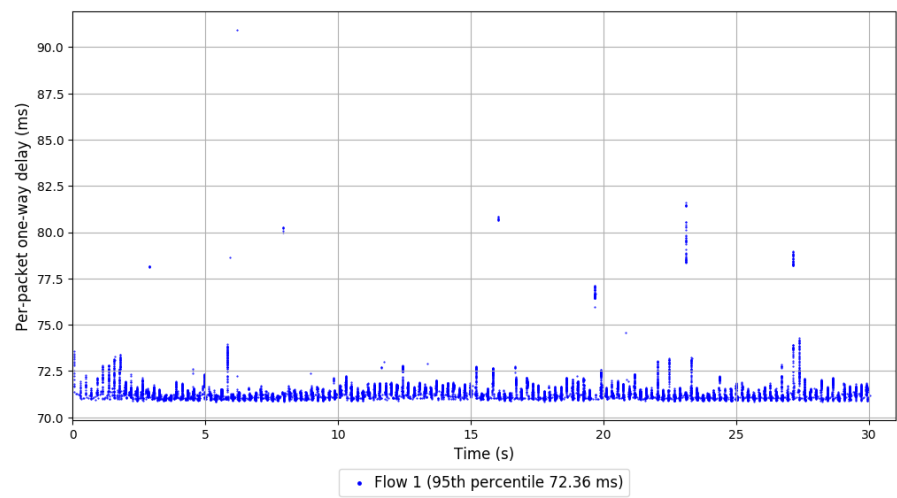
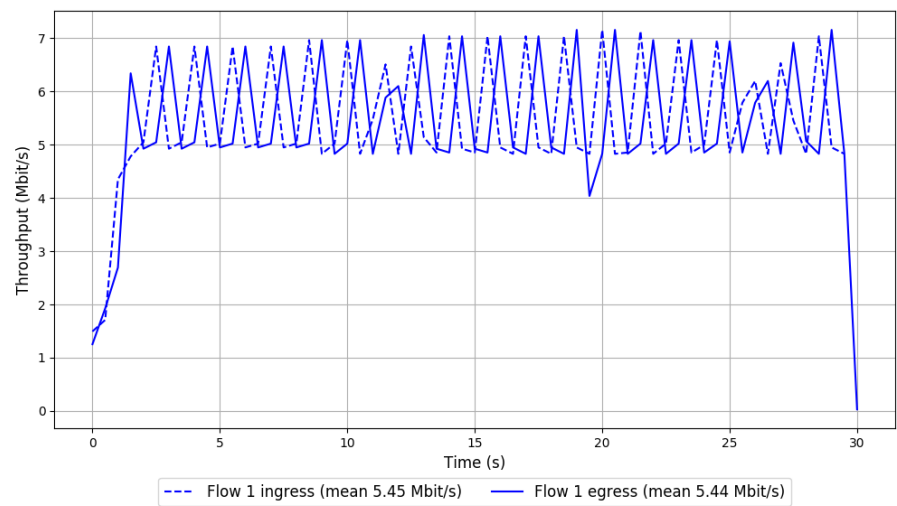
-- Flow 1:

Average throughput: 5.44 Mbit/s

95th percentile per-packet one-way delay: 72.359 ms

Loss rate: 0.24%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Mon, 24 Jul 2017 20:11:40 +0000

End at: Mon, 24 Jul 2017 20:12:10 +0000

Local clock offset: -0.113 ms

Remote clock offset: 4.842 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:12 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 81.087 ms

Loss rate: 7.74%

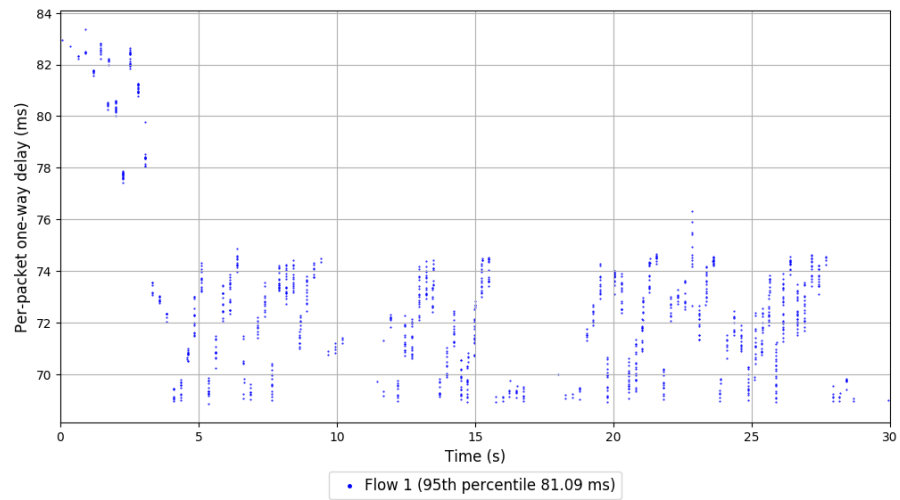
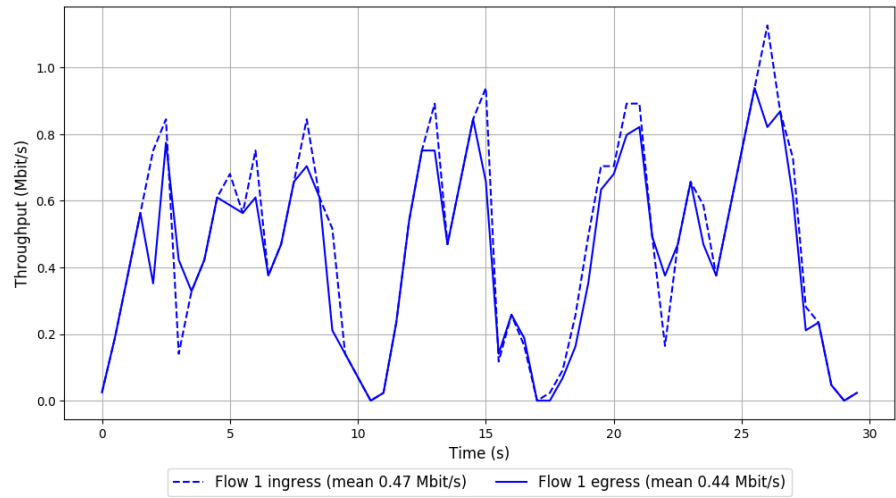
-- Flow 1:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 81.087 ms

Loss rate: 7.74%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Mon, 24 Jul 2017 20:30:49 +0000

End at: Mon, 24 Jul 2017 20:31:19 +0000

Local clock offset: -1.327 ms

Remote clock offset: 6.946 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 80.890 ms

Loss rate: 6.57%

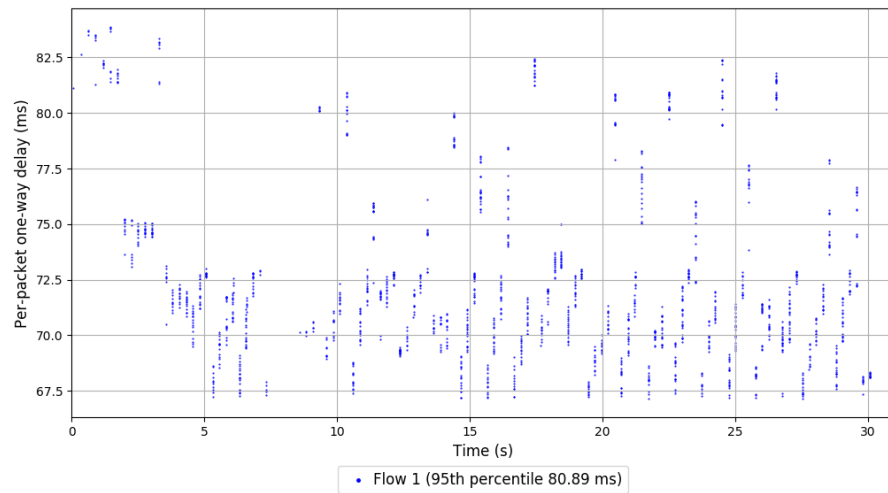
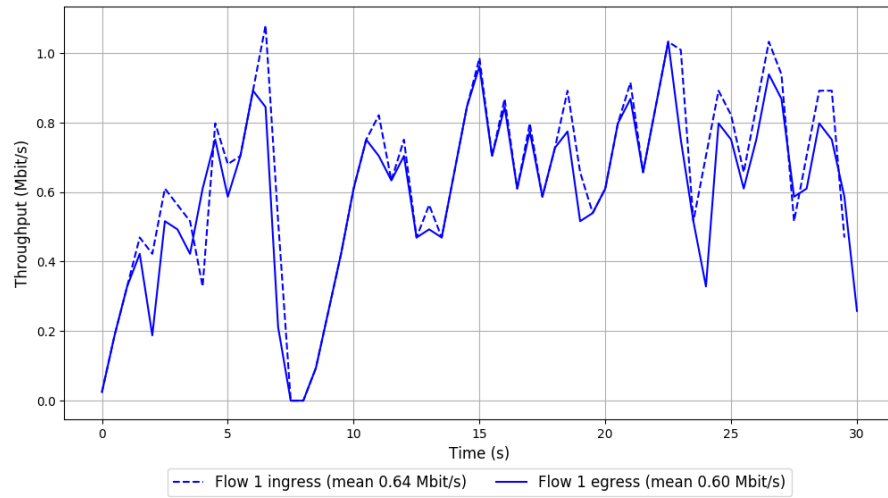
-- Flow 1:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 80.890 ms

Loss rate: 6.57%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Mon, 24 Jul 2017 20:49:55 +0000

End at: Mon, 24 Jul 2017 20:50:25 +0000

Local clock offset: -1.206 ms

Remote clock offset: 8.305 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 77.214 ms

Loss rate: 2.53%

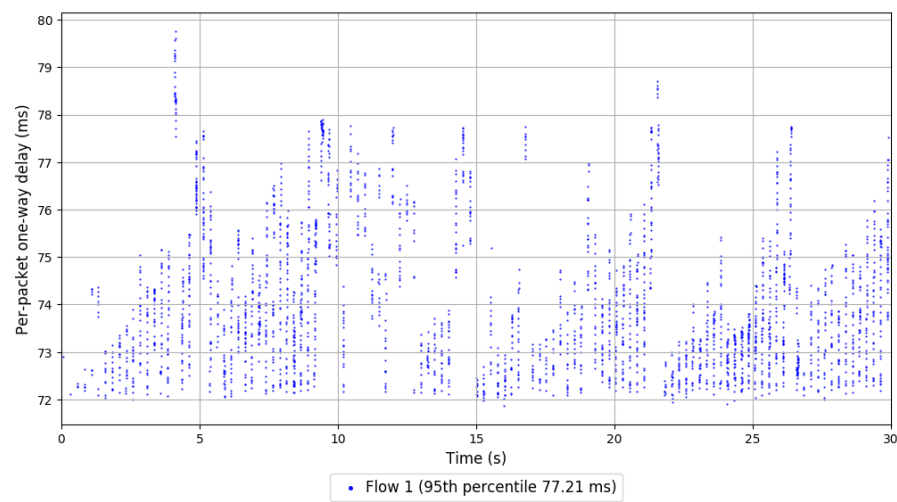
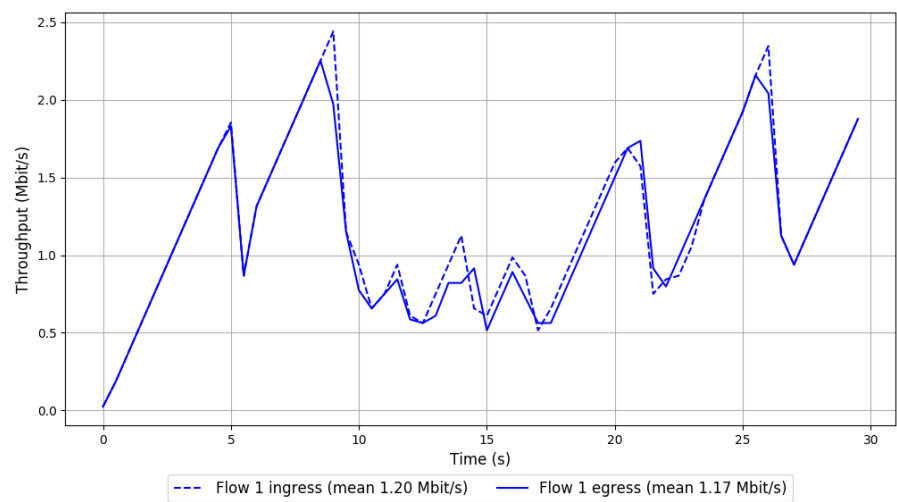
-- Flow 1:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 77.214 ms

Loss rate: 2.53%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Mon, 24 Jul 2017 21:09:02 +0000

End at: Mon, 24 Jul 2017 21:09:32 +0000

Local clock offset: -1.134 ms

Remote clock offset: 7.516 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 78.363 ms

Loss rate: 0.24%

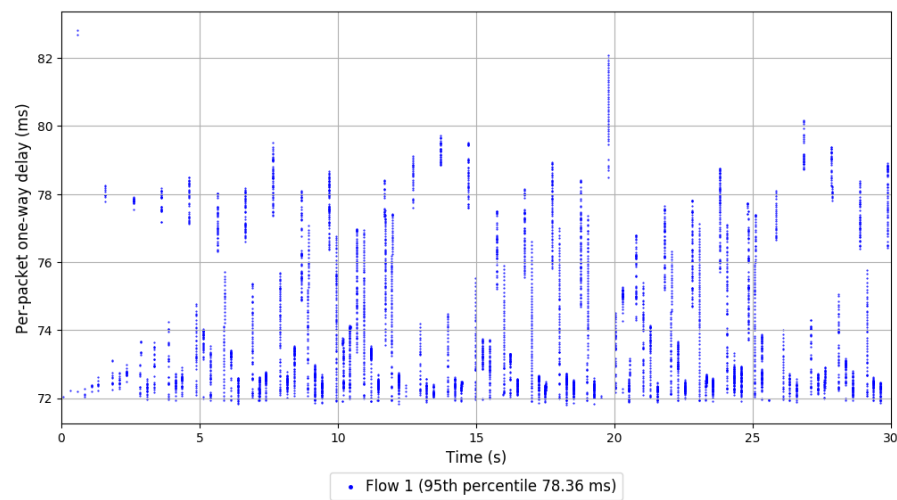
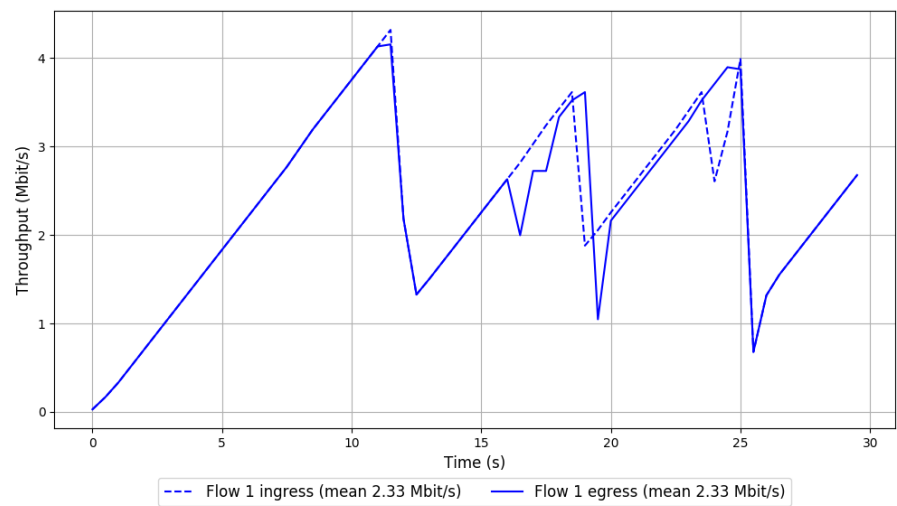
-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 78.363 ms

Loss rate: 0.24%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Mon, 24 Jul 2017 21:28:18 +0000

End at: Mon, 24 Jul 2017 21:28:48 +0000

Local clock offset: -0.827 ms

Remote clock offset: 6.74 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.79 Mbit/s

95th percentile per-packet one-way delay: 70.830 ms

Loss rate: 0.44%

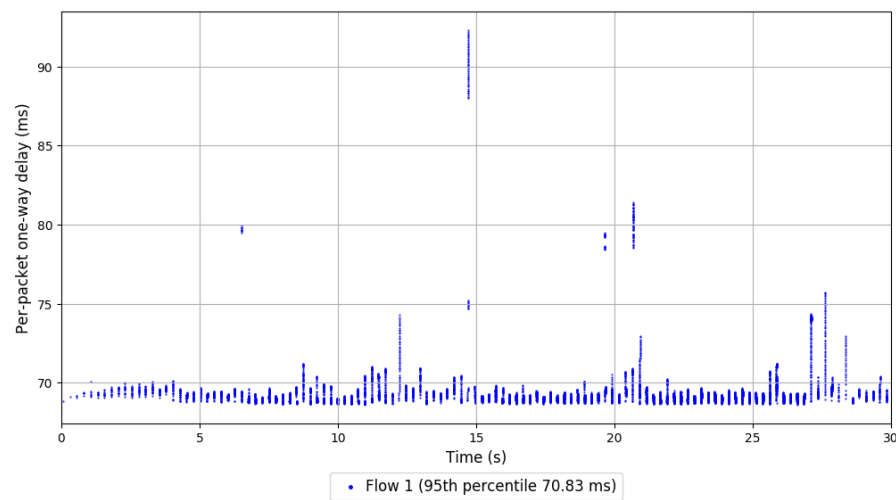
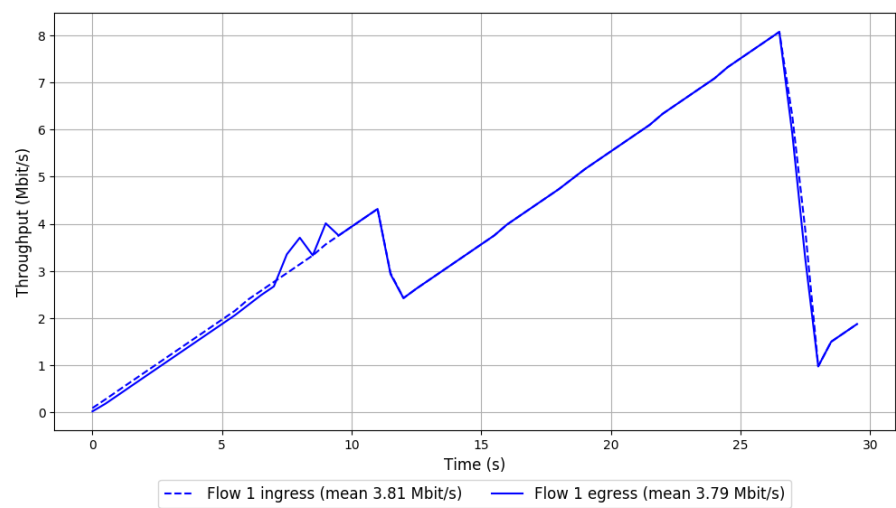
-- Flow 1:

Average throughput: 3.79 Mbit/s

95th percentile per-packet one-way delay: 70.830 ms

Loss rate: 0.44%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Mon, 24 Jul 2017 21:49:07 +0000

End at: Mon, 24 Jul 2017 21:49:37 +0000

Local clock offset: -0.71 ms

Remote clock offset: 7.146 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: 70.497 ms

Loss rate: 0.00%

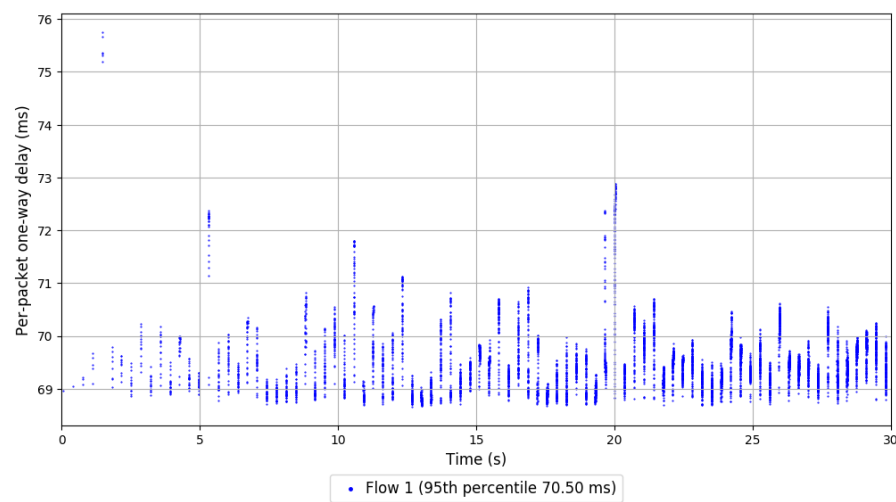
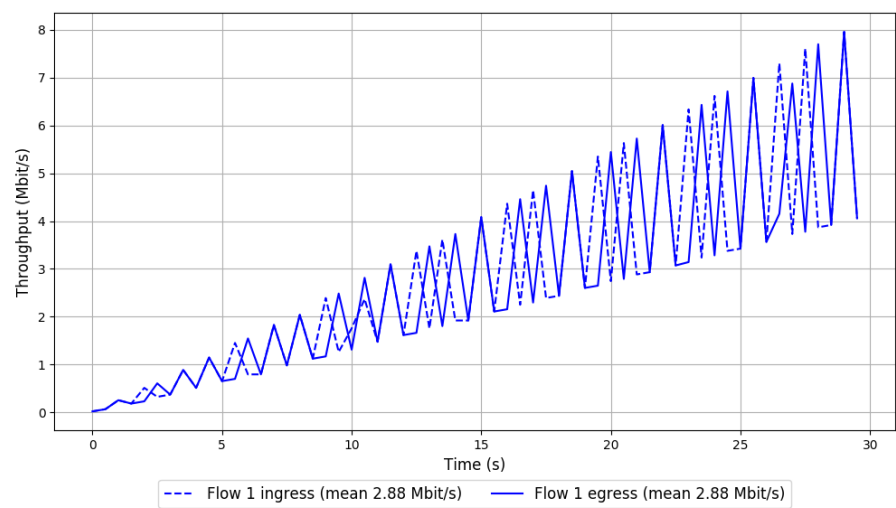
-- Flow 1:

Average throughput: 2.88 Mbit/s

95th percentile per-packet one-way delay: 70.497 ms

Loss rate: 0.00%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Mon, 24 Jul 2017 22:08:29 +0000

End at: Mon, 24 Jul 2017 22:08:59 +0000

Local clock offset: -0.338 ms

Remote clock offset: 7.776 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.90 Mbit/s

95th percentile per-packet one-way delay: 74.472 ms

Loss rate: 0.17%

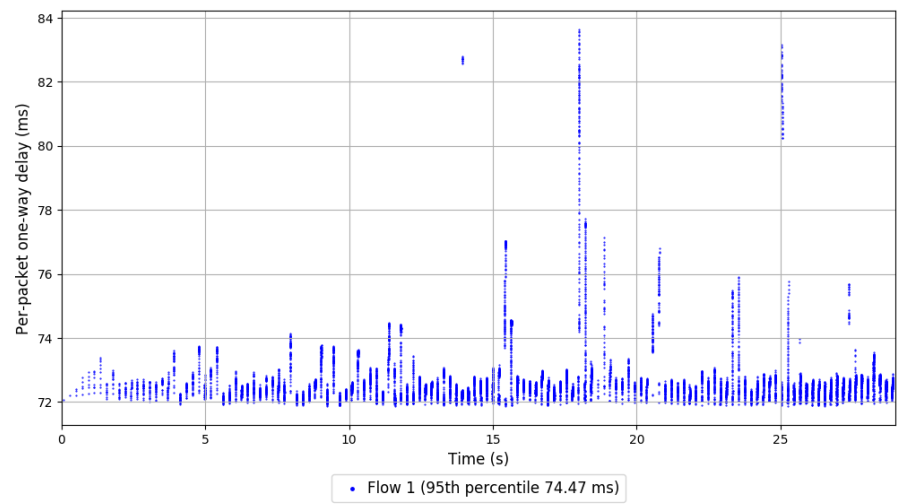
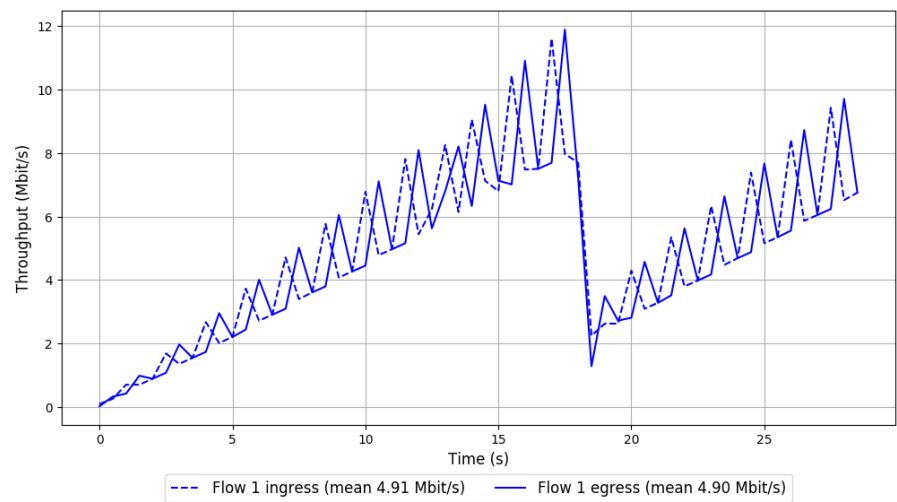
-- Flow 1:

Average throughput: 4.90 Mbit/s

95th percentile per-packet one-way delay: 74.472 ms

Loss rate: 0.17%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Mon, 24 Jul 2017 22:28:22 +0000

End at: Mon, 24 Jul 2017 22:28:52 +0000

Local clock offset: -0.166 ms

Remote clock offset: 51.891 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:17 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 114.473 ms

Loss rate: 0.49%

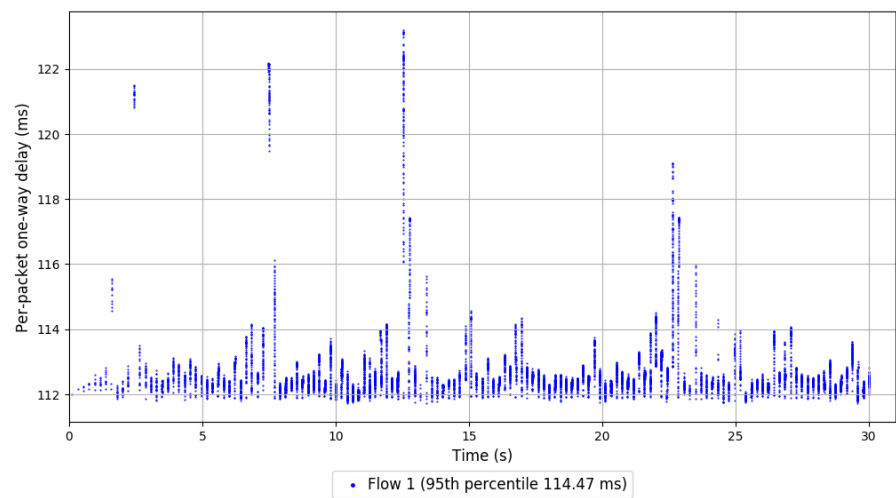
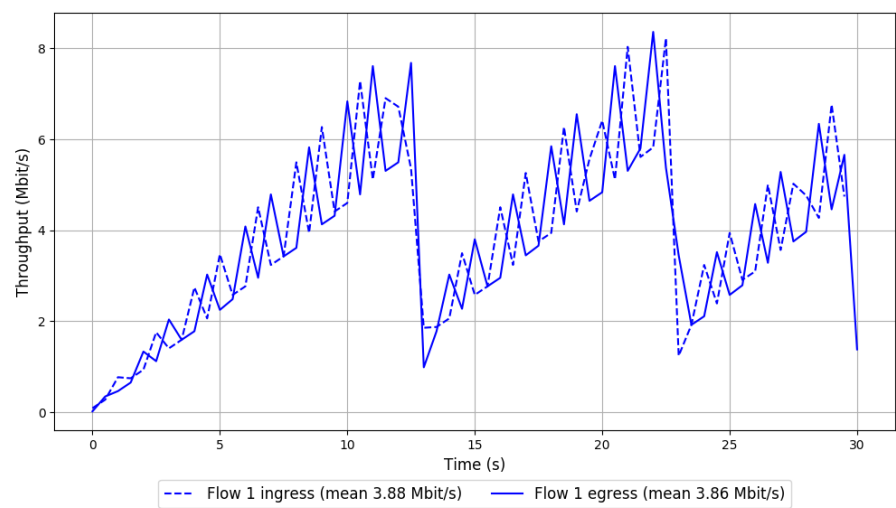
-- Flow 1:

Average throughput: 3.86 Mbit/s

95th percentile per-packet one-way delay: 114.473 ms

Loss rate: 0.49%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Mon, 24 Jul 2017 22:47:26 +0000

End at: Mon, 24 Jul 2017 22:47:56 +0000

Local clock offset: -0.061 ms

Remote clock offset: 8.732 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.47 Mbit/s

95th percentile per-packet one-way delay: 74.529 ms

Loss rate: 0.15%

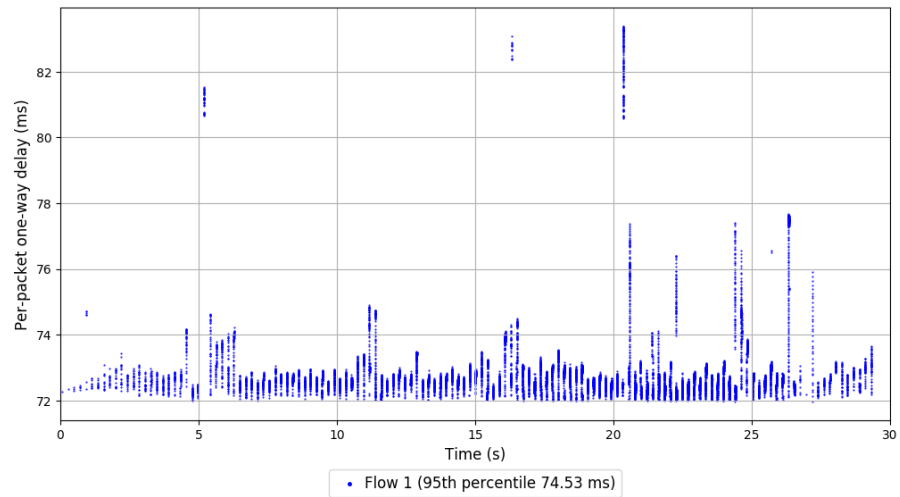
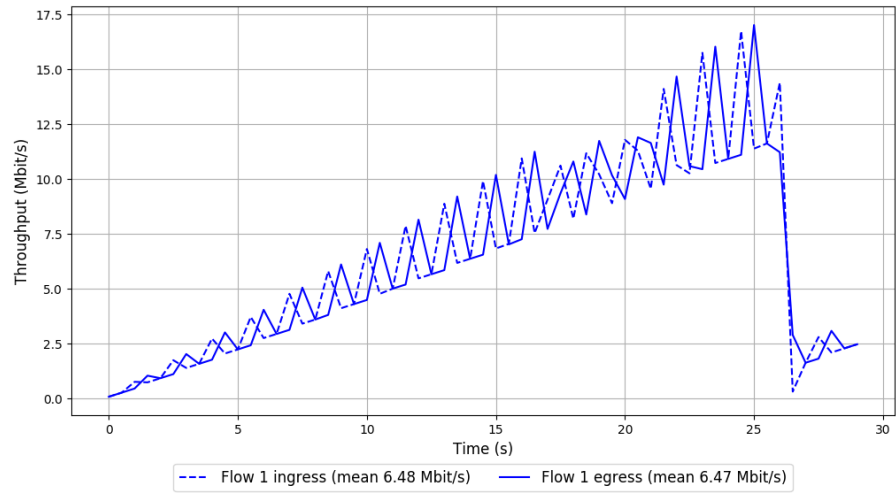
-- Flow 1:

Average throughput: 6.47 Mbit/s

95th percentile per-packet one-way delay: 74.529 ms

Loss rate: 0.15%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Mon, 24 Jul 2017 23:06:24 +0000

End at: Mon, 24 Jul 2017 23:06:54 +0000

Local clock offset: -0.024 ms

Remote clock offset: 7.972 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.28 Mbit/s

95th percentile per-packet one-way delay: 71.934 ms

Loss rate: 0.22%

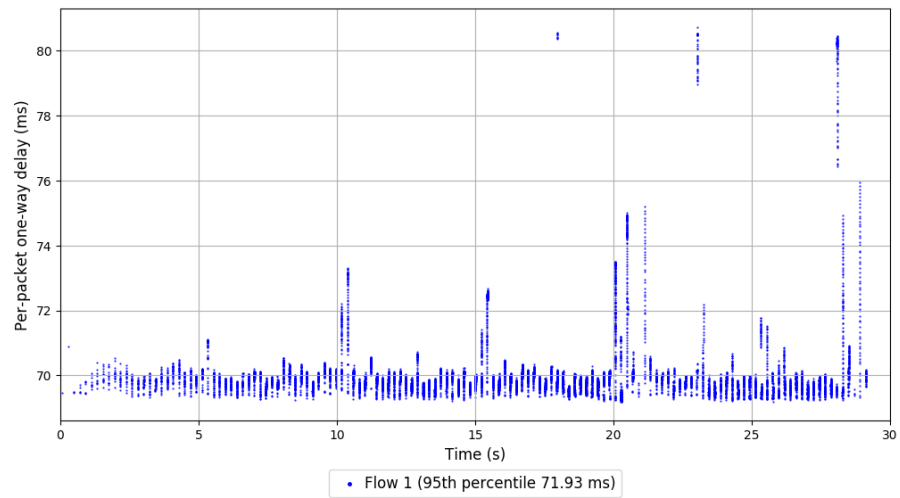
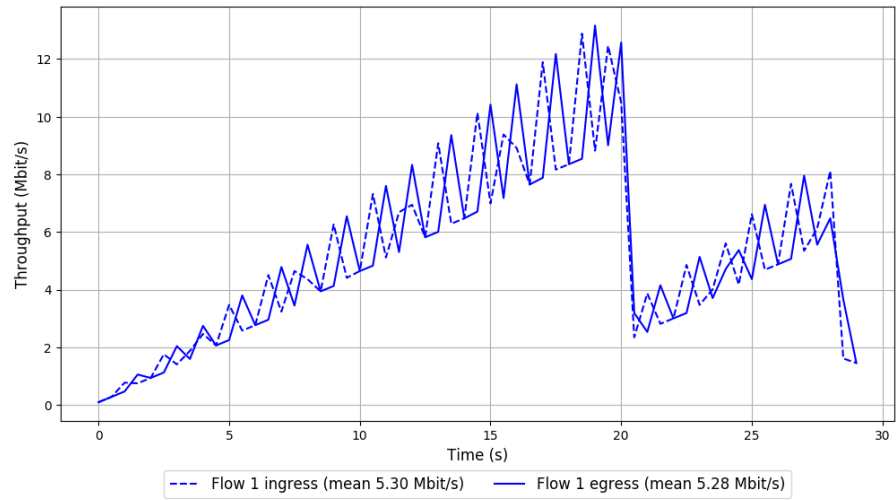
-- Flow 1:

Average throughput: 5.28 Mbit/s

95th percentile per-packet one-way delay: 71.934 ms

Loss rate: 0.22%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Mon, 24 Jul 2017 20:04:05 +0000

End at: Mon, 24 Jul 2017 20:04:35 +0000

Local clock offset: -1.439 ms

Remote clock offset: 5.712 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:19 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.42 Mbit/s

95th percentile per-packet one-way delay: 77.747 ms

Loss rate: 0.55%

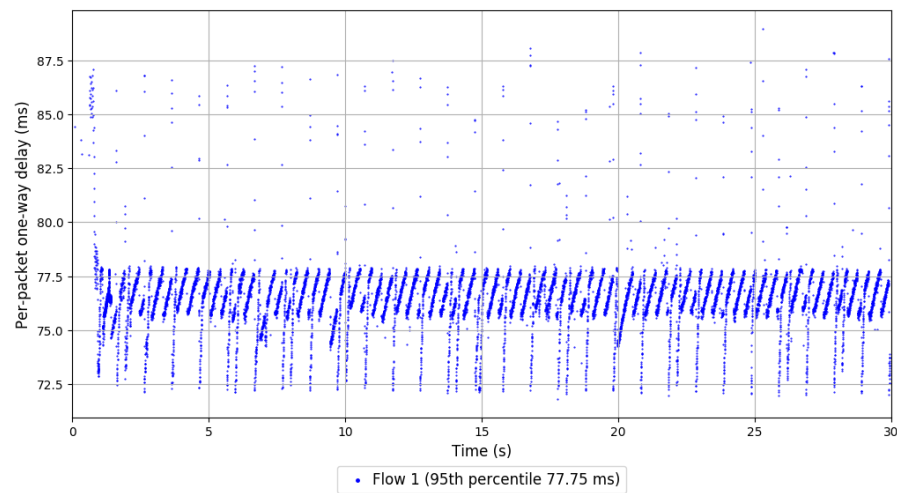
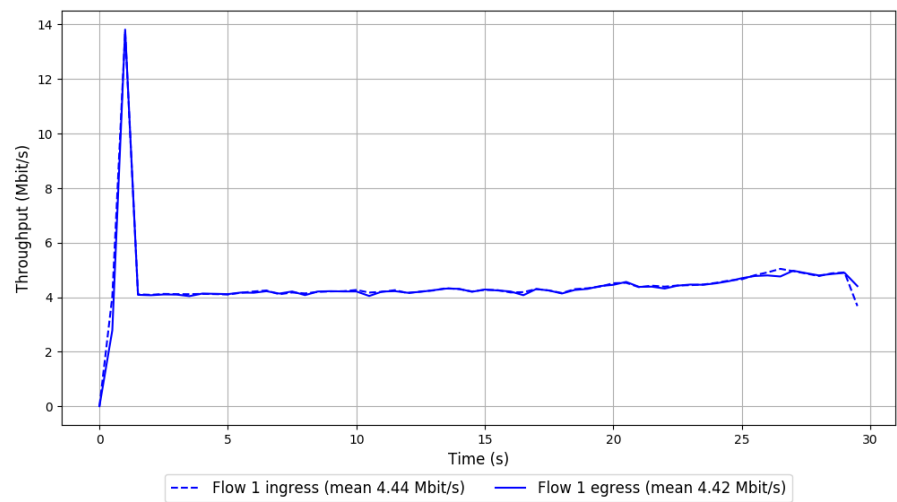
-- Flow 1:

Average throughput: 4.42 Mbit/s

95th percentile per-packet one-way delay: 77.747 ms

Loss rate: 0.55%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Mon, 24 Jul 2017 20:23:12 +0000

End at: Mon, 24 Jul 2017 20:23:43 +0000

Local clock offset: -1.396 ms

Remote clock offset: 8.062 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 74.428 ms

Loss rate: 0.31%

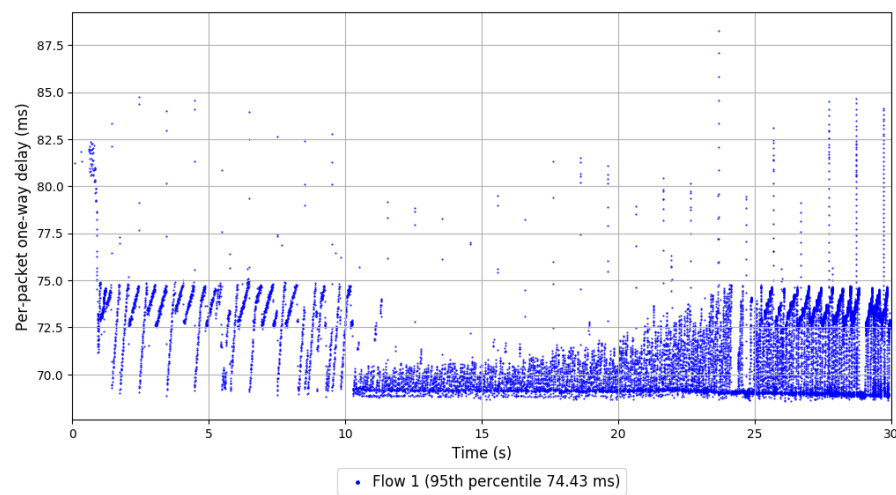
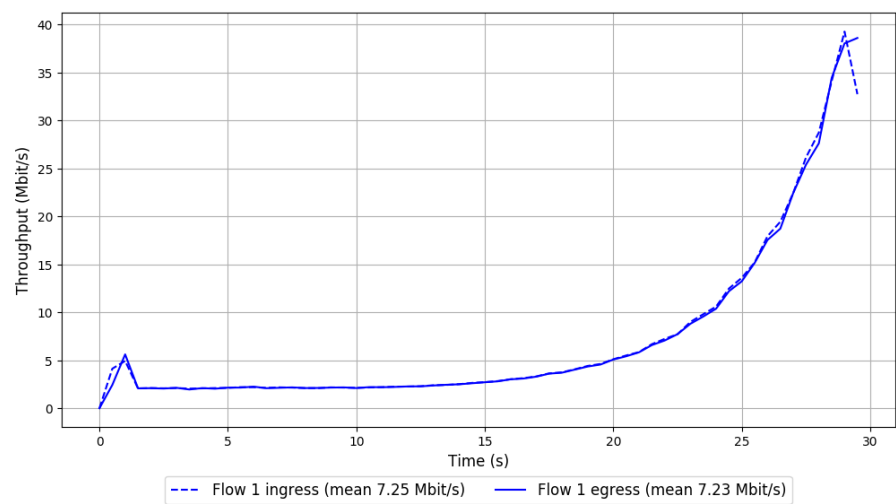
-- Flow 1:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 74.428 ms

Loss rate: 0.31%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Mon, 24 Jul 2017 20:42:17 +0000

End at: Mon, 24 Jul 2017 20:42:47 +0000

Local clock offset: -0.047 ms

Remote clock offset: 7.879 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 75.865 ms

Loss rate: 1.05%

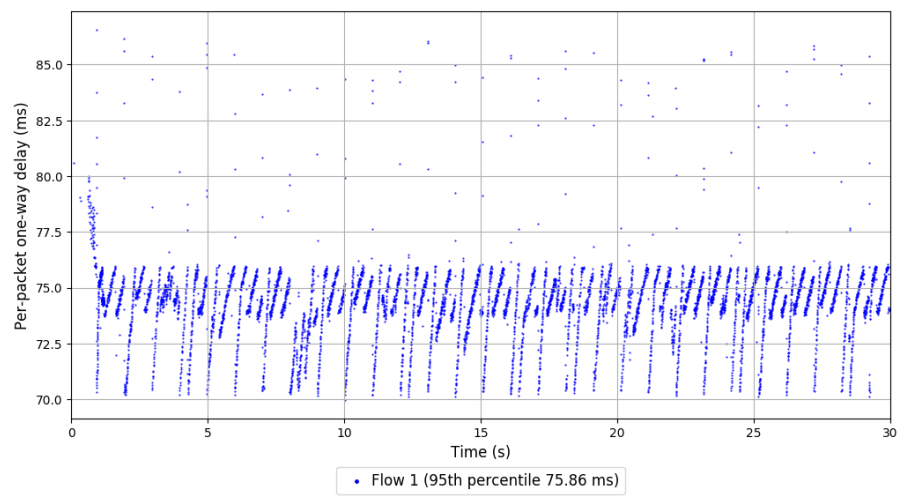
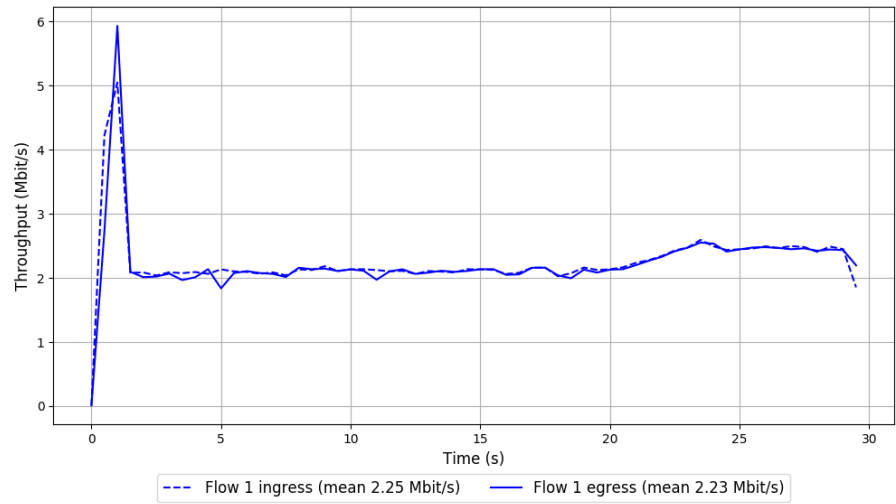
-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 75.865 ms

Loss rate: 1.05%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Mon, 24 Jul 2017 21:01:24 +0000

End at: Mon, 24 Jul 2017 21:01:55 +0000

Local clock offset: 0.018 ms

Remote clock offset: 6.096 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 74.875 ms

Loss rate: 1.02%

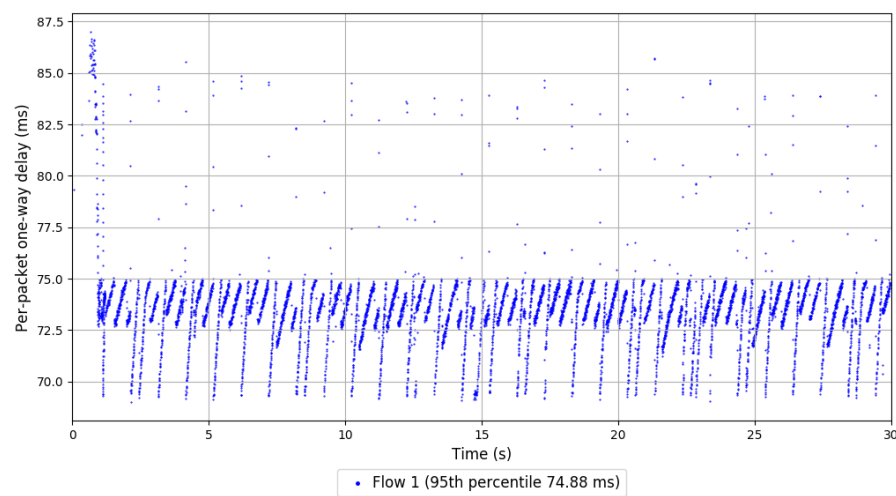
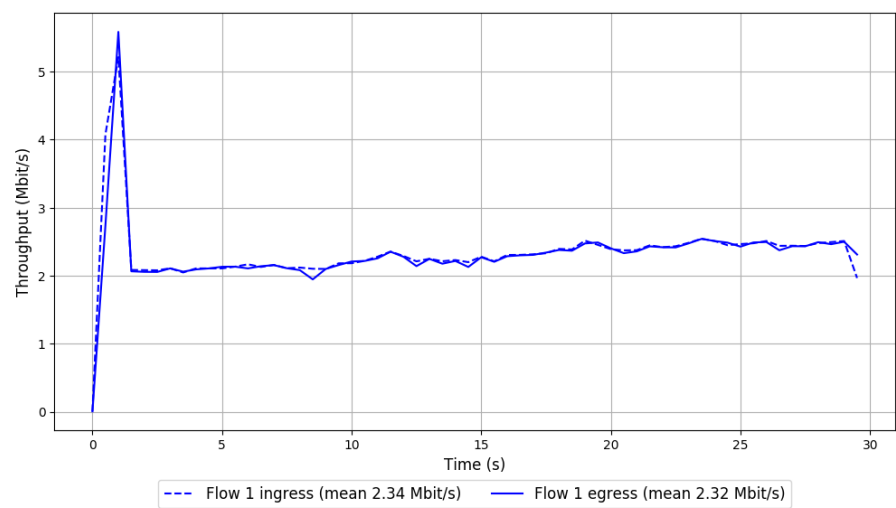
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 74.875 ms

Loss rate: 1.02%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Mon, 24 Jul 2017 21:20:33 +0000

End at: Mon, 24 Jul 2017 21:21:03 +0000

Local clock offset: 0.185 ms

Remote clock offset: 6.856 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:33 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.70 Mbit/s

95th percentile per-packet one-way delay: 76.258 ms

Loss rate: 2.25%

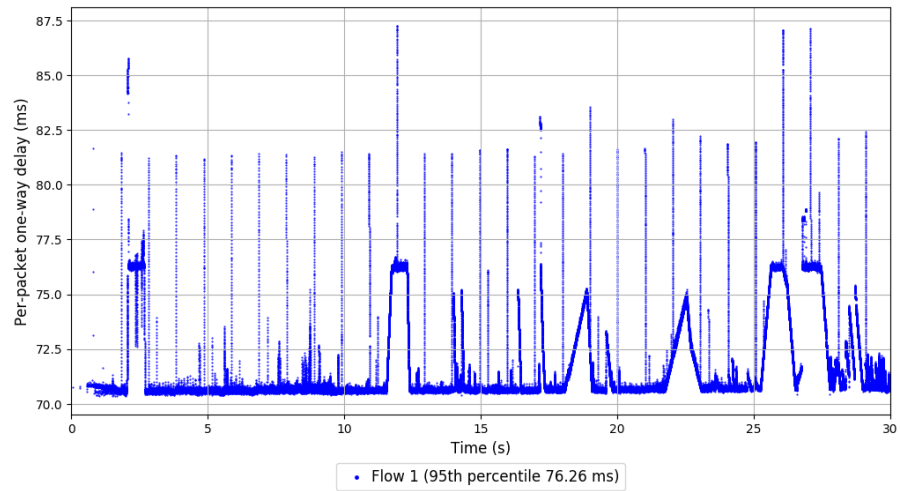
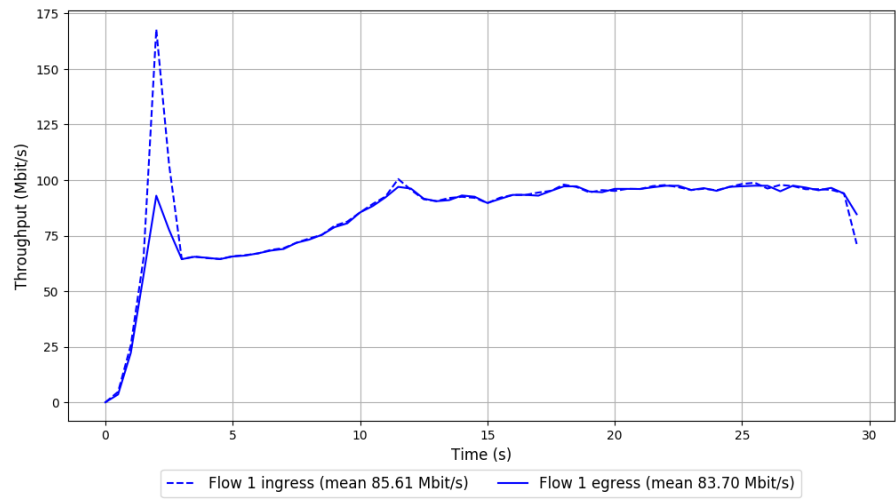
-- Flow 1:

Average throughput: 83.70 Mbit/s

95th percentile per-packet one-way delay: 76.258 ms

Loss rate: 2.25%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Mon, 24 Jul 2017 21:40:04 +0000

End at: Mon, 24 Jul 2017 21:40:34 +0000

Local clock offset: -0.861 ms

Remote clock offset: 6.827 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:33 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.28 Mbit/s

95th percentile per-packet one-way delay: 69.334 ms

Loss rate: 0.00%

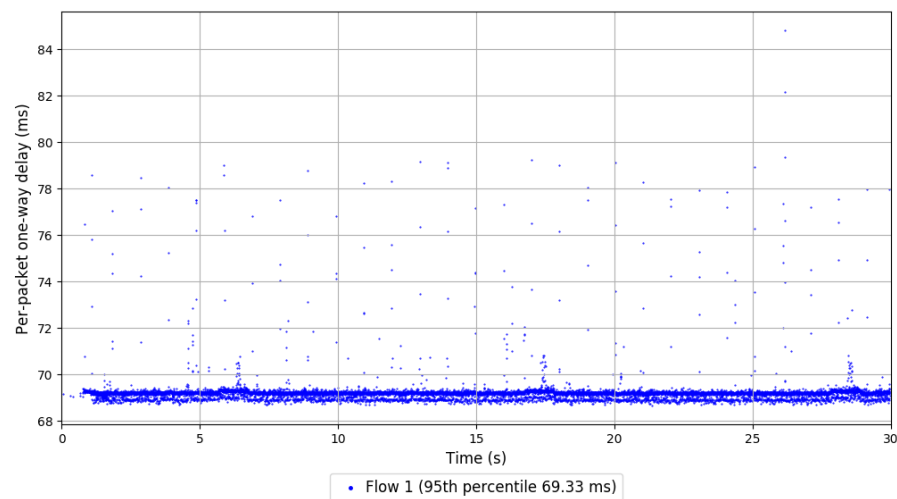
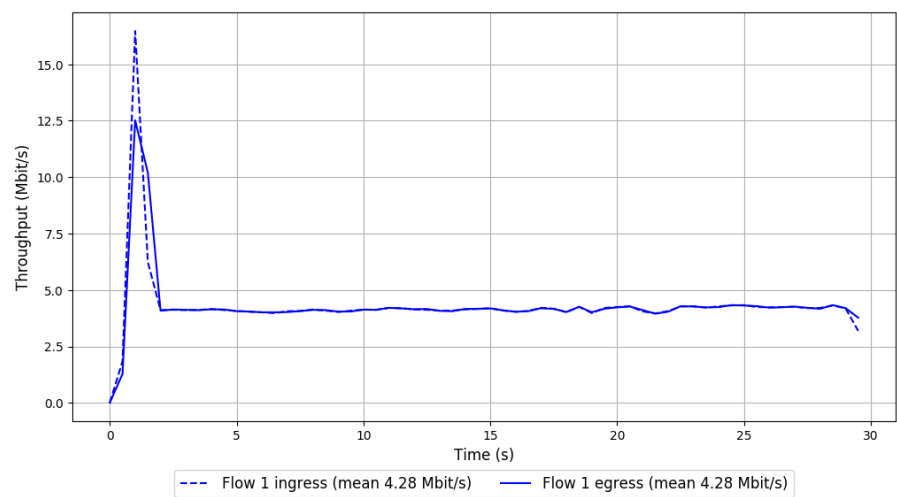
-- Flow 1:

Average throughput: 4.28 Mbit/s

95th percentile per-packet one-way delay: 69.334 ms

Loss rate: 0.00%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Mon, 24 Jul 2017 22:00:54 +0000

End at: Mon, 24 Jul 2017 22:01:24 +0000

Local clock offset: 0.713 ms

Remote clock offset: 7.564 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:34 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.99 Mbit/s

95th percentile per-packet one-way delay: 73.384 ms

Loss rate: 2.09%

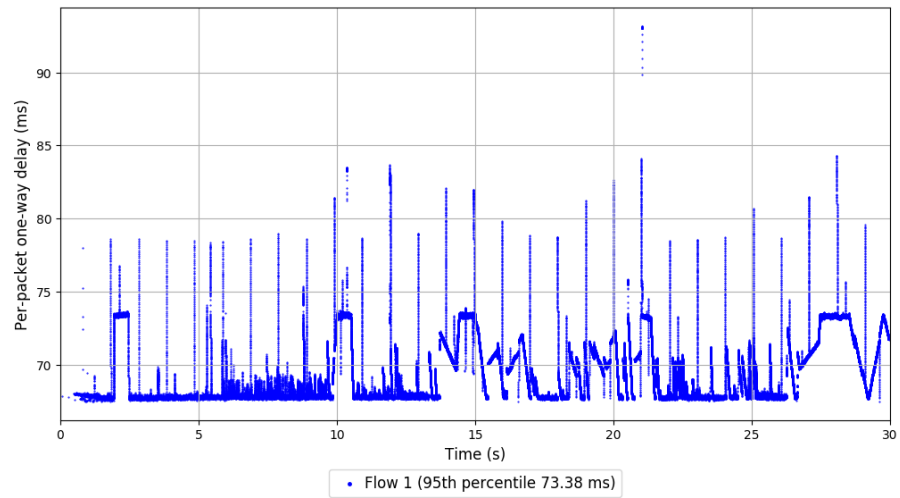
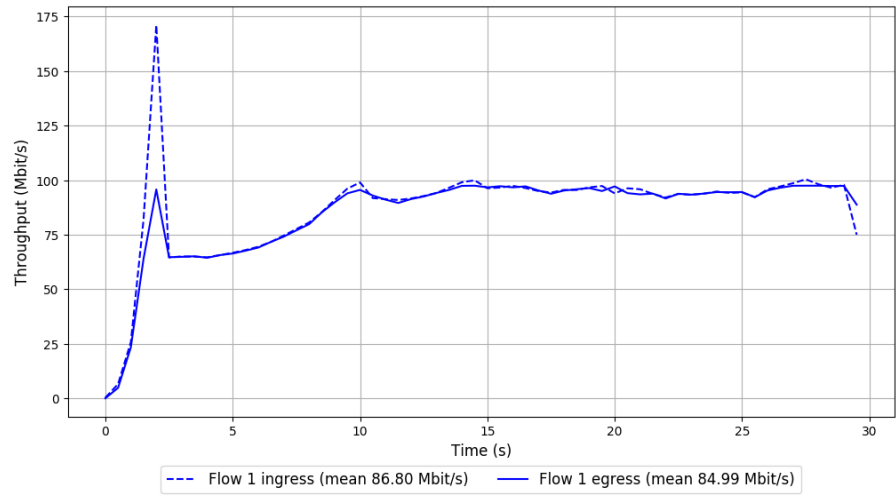
-- Flow 1:

Average throughput: 84.99 Mbit/s

95th percentile per-packet one-way delay: 73.384 ms

Loss rate: 2.09%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Mon, 24 Jul 2017 22:19:59 +0000

End at: Mon, 24 Jul 2017 22:20:29 +0000

Local clock offset: -0.242 ms

Remote clock offset: 8.529 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.00 Mbit/s

95th percentile per-packet one-way delay: 77.561 ms

Loss rate: 2.23%

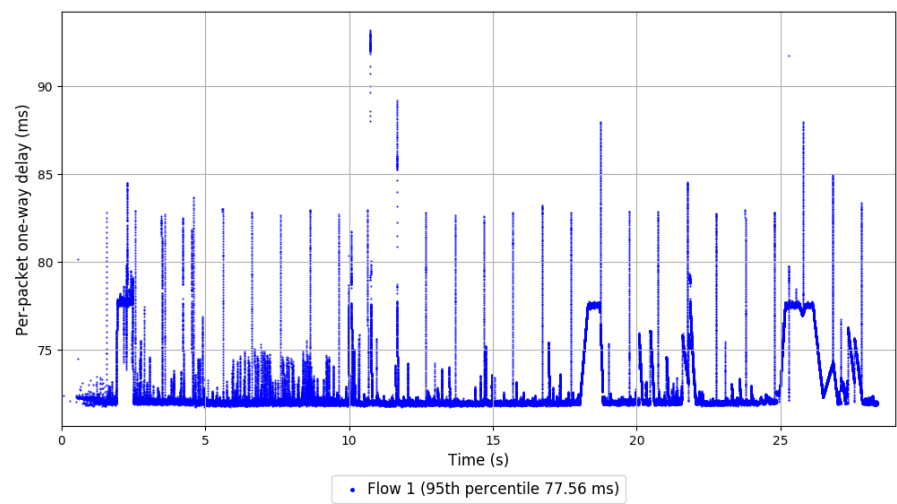
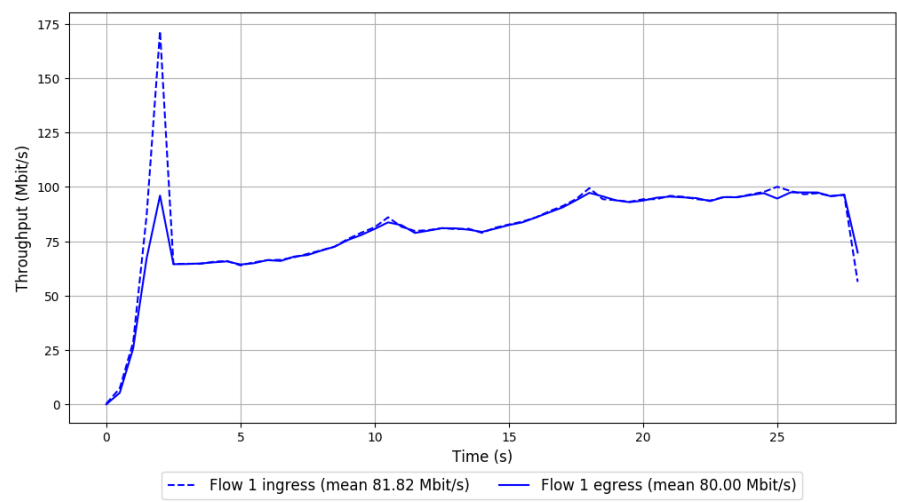
-- Flow 1:

Average throughput: 80.00 Mbit/s

95th percentile per-packet one-way delay: 77.561 ms

Loss rate: 2.23%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Mon, 24 Jul 2017 22:39:52 +0000

End at: Mon, 24 Jul 2017 22:40:22 +0000

Local clock offset: 1.278 ms

Remote clock offset: 8.875 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.74 Mbit/s

95th percentile per-packet one-way delay: 71.087 ms

Loss rate: 2.21%

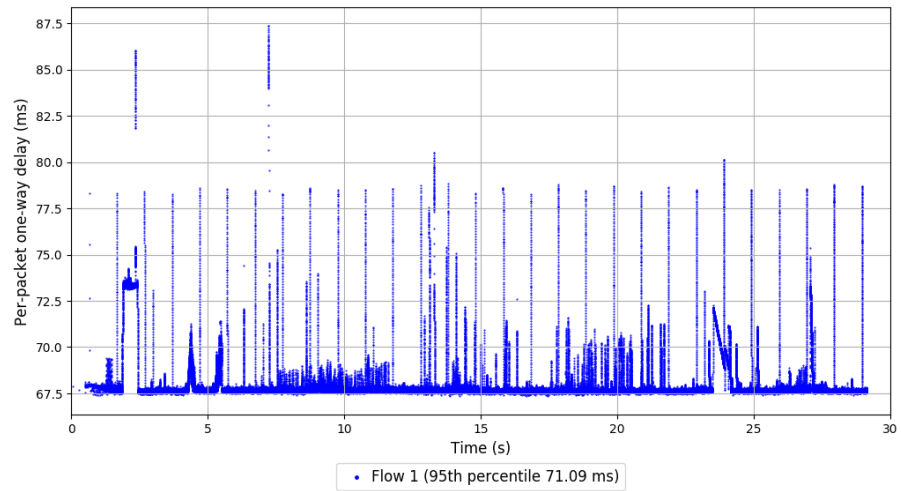
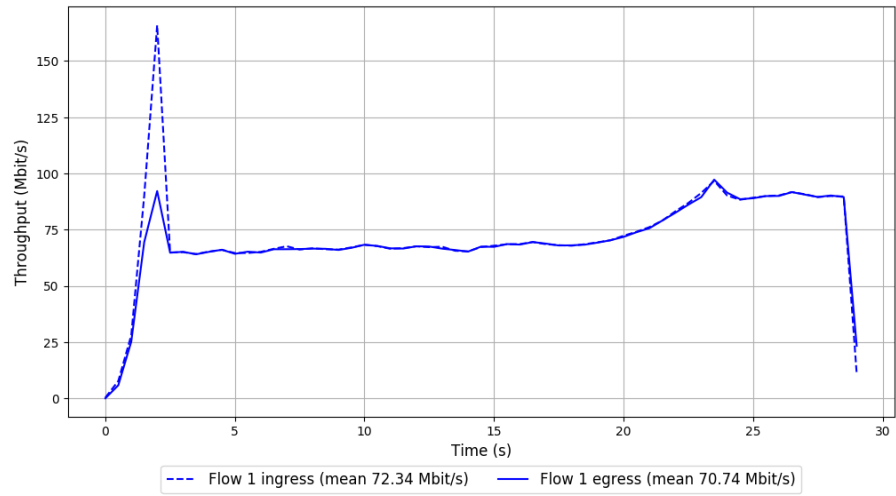
-- Flow 1:

Average throughput: 70.74 Mbit/s

95th percentile per-packet one-way delay: 71.087 ms

Loss rate: 2.21%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Mon, 24 Jul 2017 22:58:53 +0000

End at: Mon, 24 Jul 2017 22:59:23 +0000

Local clock offset: -0.113 ms

Remote clock offset: 8.213 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.85 Mbit/s

95th percentile per-packet one-way delay: 77.502 ms

Loss rate: 2.17%

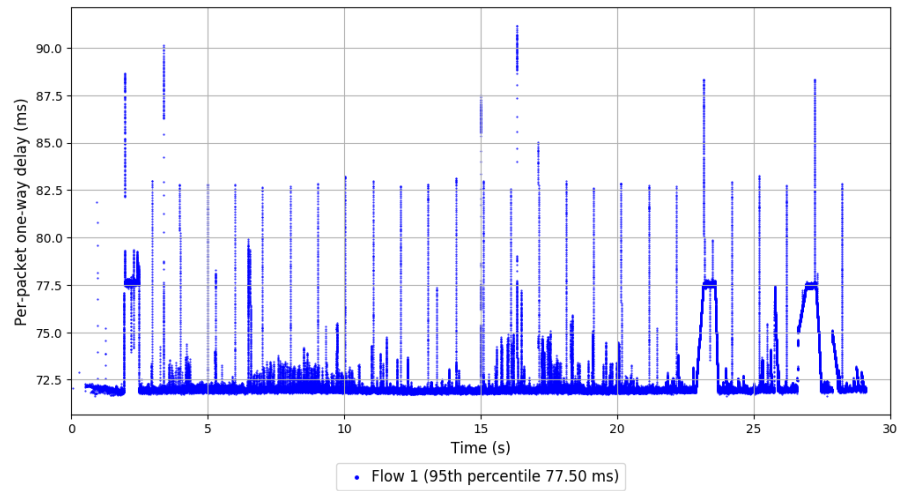
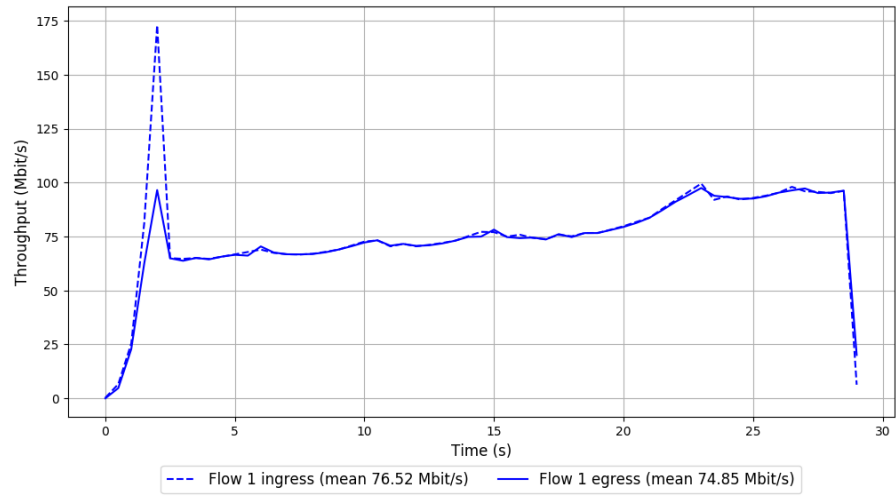
-- Flow 1:

Average throughput: 74.85 Mbit/s

95th percentile per-packet one-way delay: 77.502 ms

Loss rate: 2.17%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

Start at: Mon, 24 Jul 2017 20:05:21 +0000

End at: Mon, 24 Jul 2017 20:05:51 +0000

Local clock offset: -0.208 ms

Remote clock offset: 3.181 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 73.861 ms

Loss rate: 2.69%

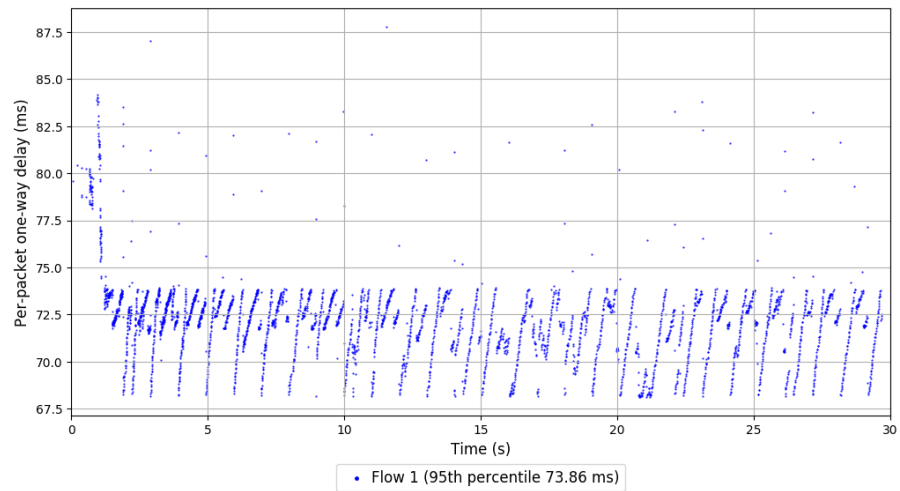
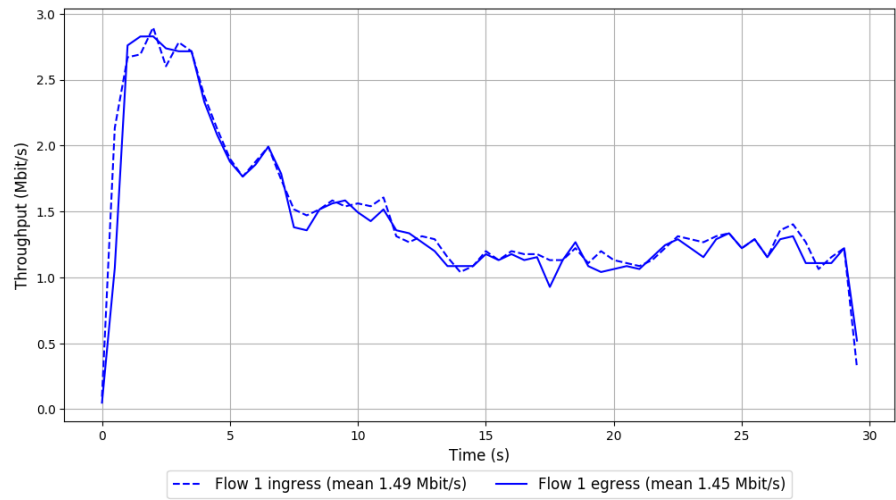
-- Flow 1:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 73.861 ms

Loss rate: 2.69%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: Mon, 24 Jul 2017 20:24:28 +0000

End at: Mon, 24 Jul 2017 20:24:58 +0000

Local clock offset: -1.276 ms

Remote clock offset: 8.39 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.45 Mbit/s

95th percentile per-packet one-way delay: 73.965 ms

Loss rate: 0.23%

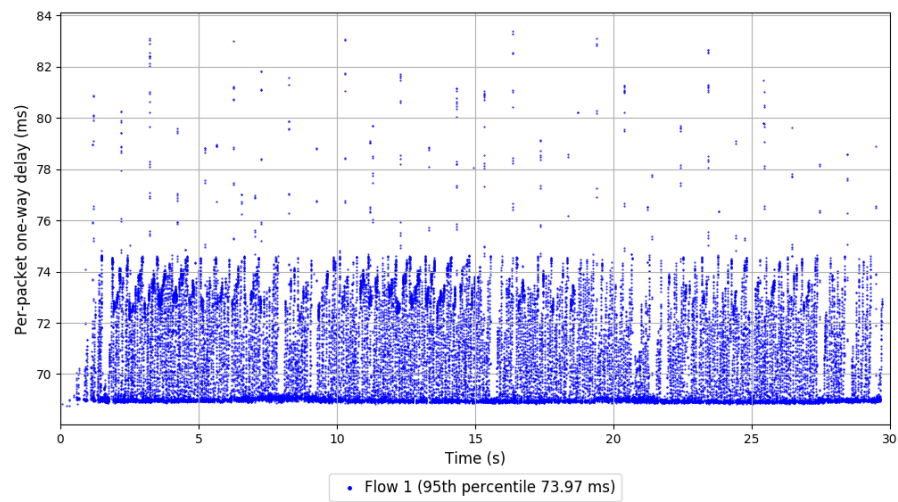
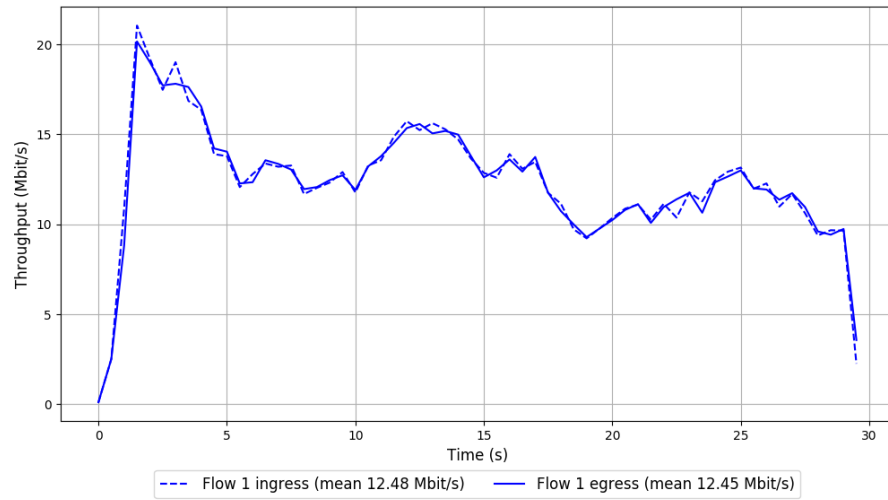
-- Flow 1:

Average throughput: 12.45 Mbit/s

95th percentile per-packet one-way delay: 73.965 ms

Loss rate: 0.23%

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: Mon, 24 Jul 2017 20:43:33 +0000

End at: Mon, 24 Jul 2017 20:44:03 +0000

Local clock offset: -1.256 ms

Remote clock offset: 7.527 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:39:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.65 Mbit/s

95th percentile per-packet one-way delay: 73.855 ms

Loss rate: 1.11%

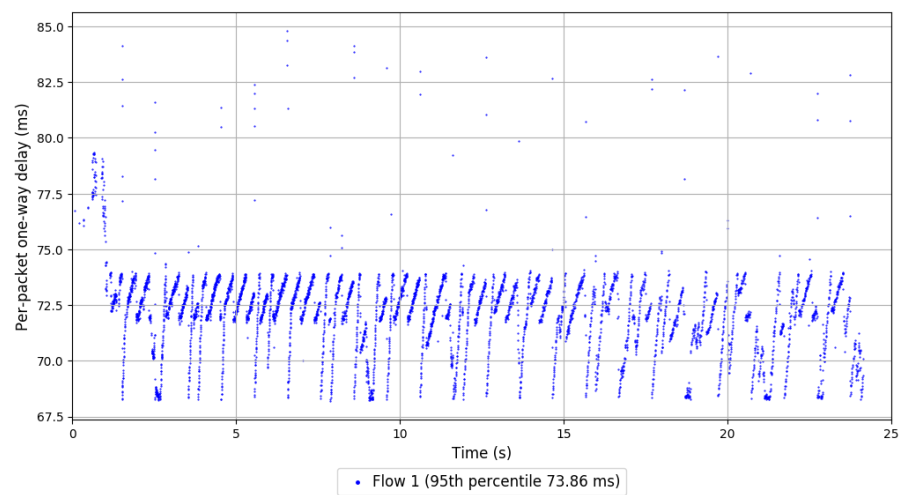
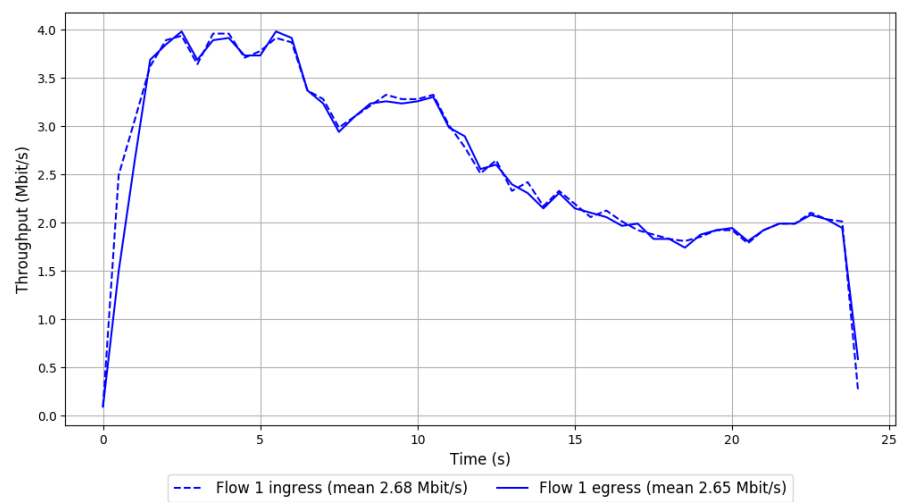
-- Flow 1:

Average throughput: 2.65 Mbit/s

95th percentile per-packet one-way delay: 73.855 ms

Loss rate: 1.11%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

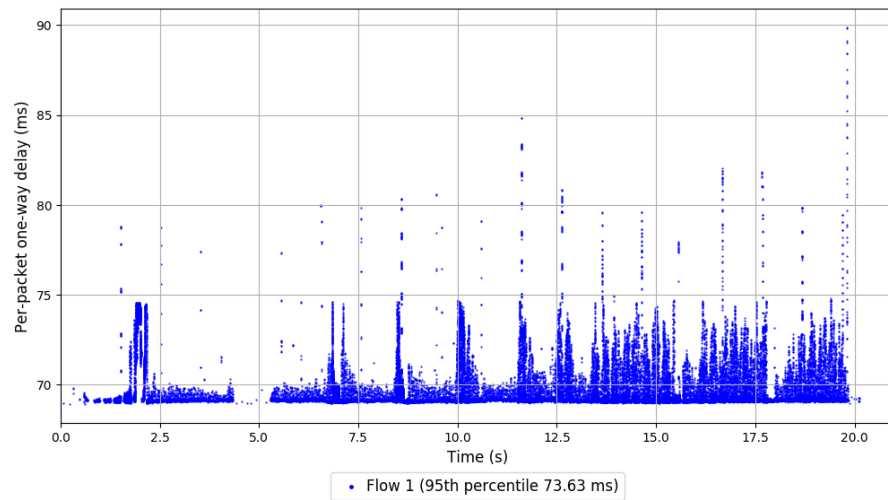
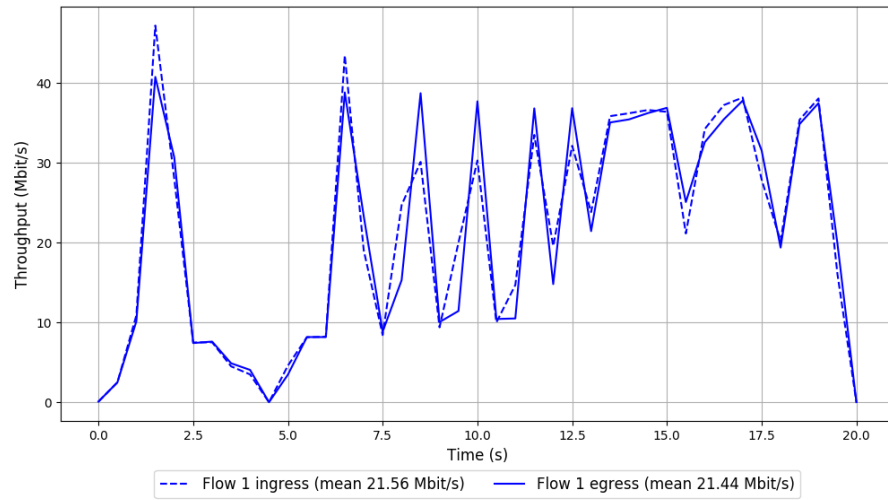
Start at: Mon, 24 Jul 2017 21:02:40 +0000

End at: Mon, 24 Jul 2017 21:03:10 +0000

Local clock offset: -1.188 ms

Remote clock offset: 7.678 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

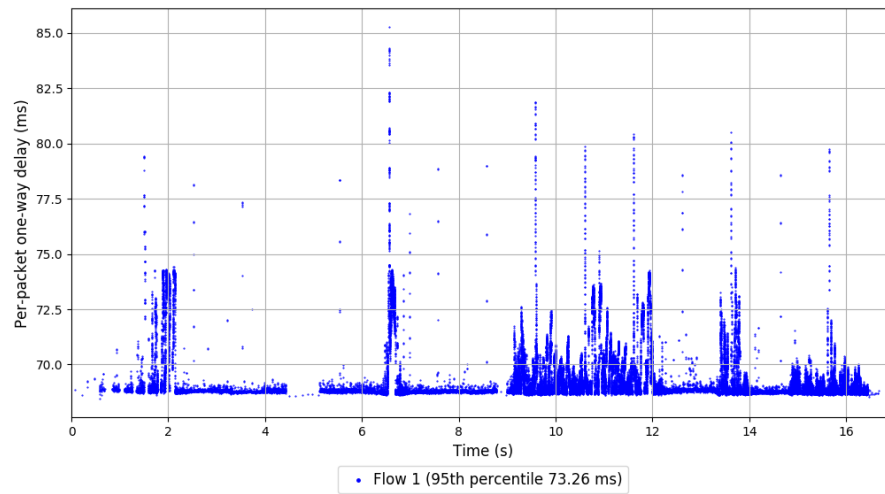
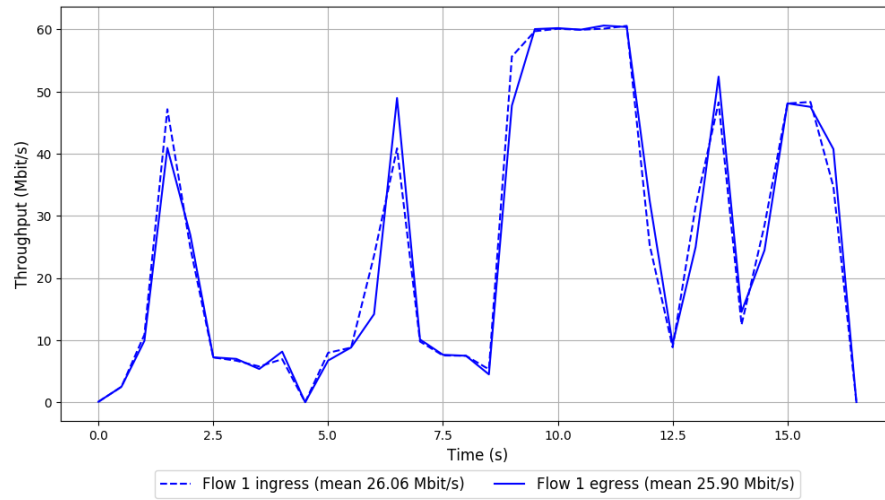
Start at: Mon, 24 Jul 2017 21:21:53 +0000

End at: Mon, 24 Jul 2017 21:22:23 +0000

Local clock offset: -0.993 ms

Remote clock offset: 6.787 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

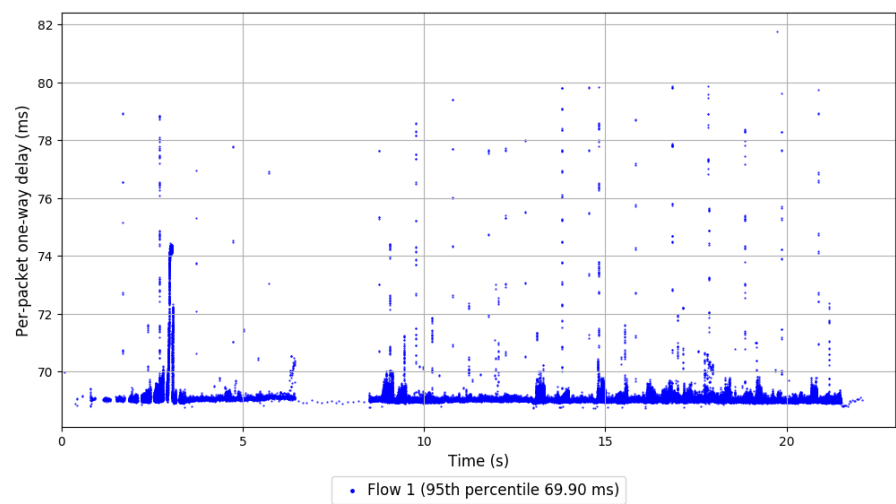
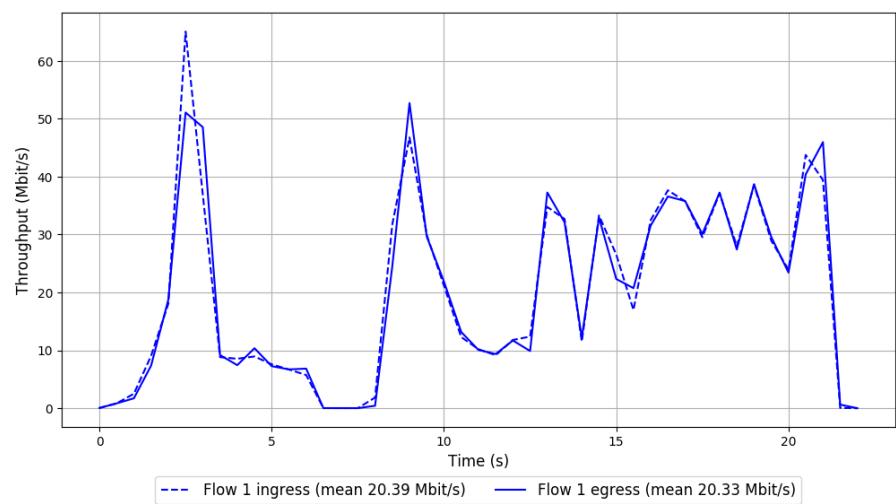
Start at: Mon, 24 Jul 2017 21:41:31 +0000

End at: Mon, 24 Jul 2017 21:42:01 +0000

Local clock offset: -0.804 ms

Remote clock offset: 6.89 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

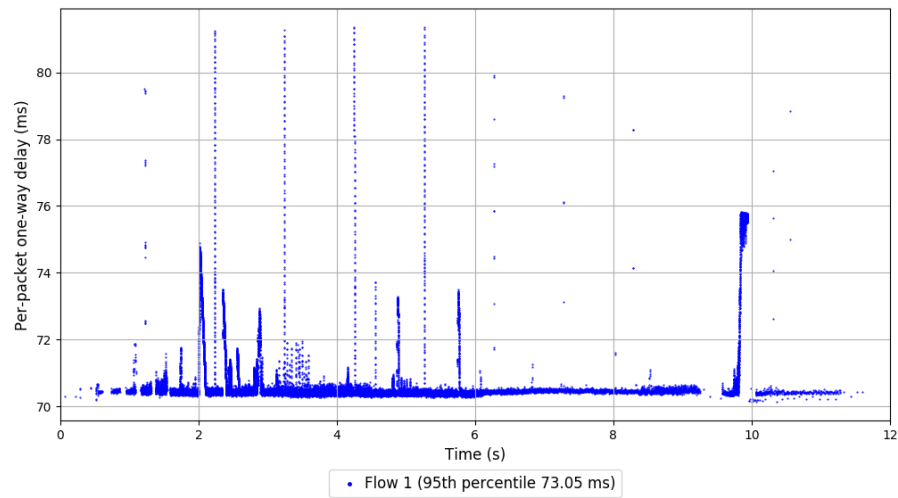
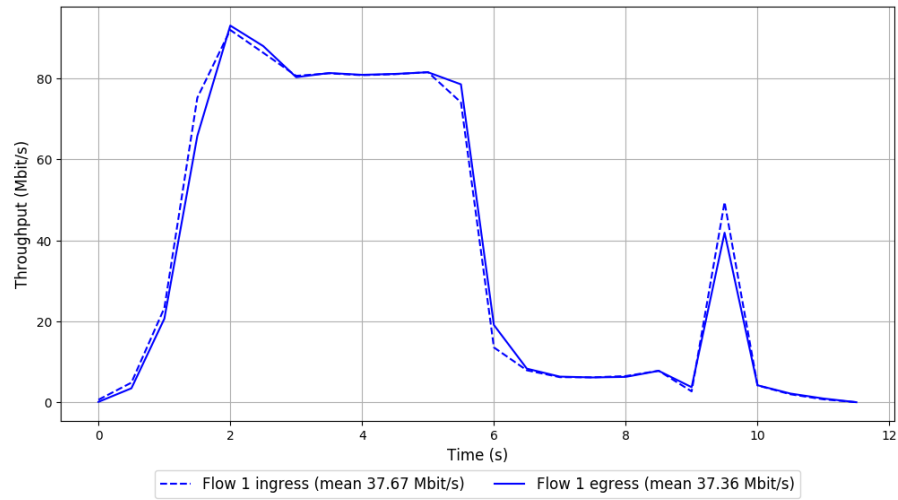
Start at: Mon, 24 Jul 2017 22:02:12 +0000

End at: Mon, 24 Jul 2017 22:02:42 +0000

Local clock offset: 0.931 ms

Remote clock offset: 7.649 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

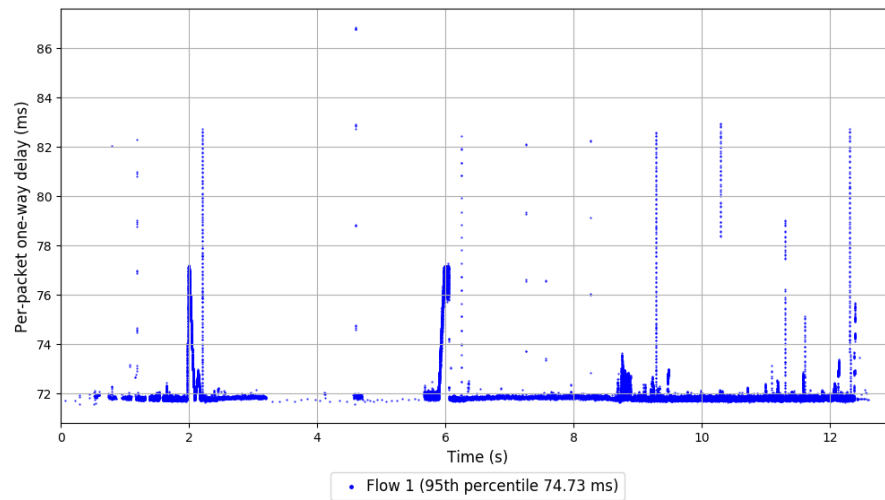
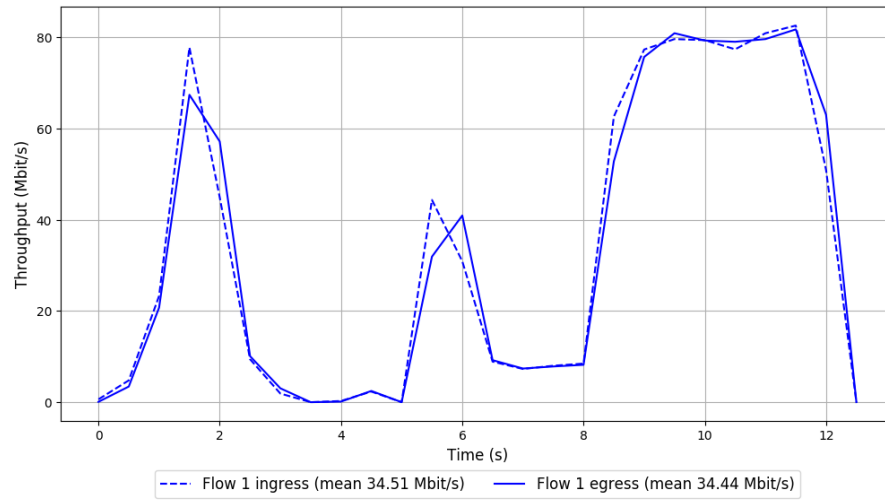
Start at: Mon, 24 Jul 2017 22:21:17 +0000

End at: Mon, 24 Jul 2017 22:21:47 +0000

Local clock offset: -0.292 ms

Remote clock offset: 8.617 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

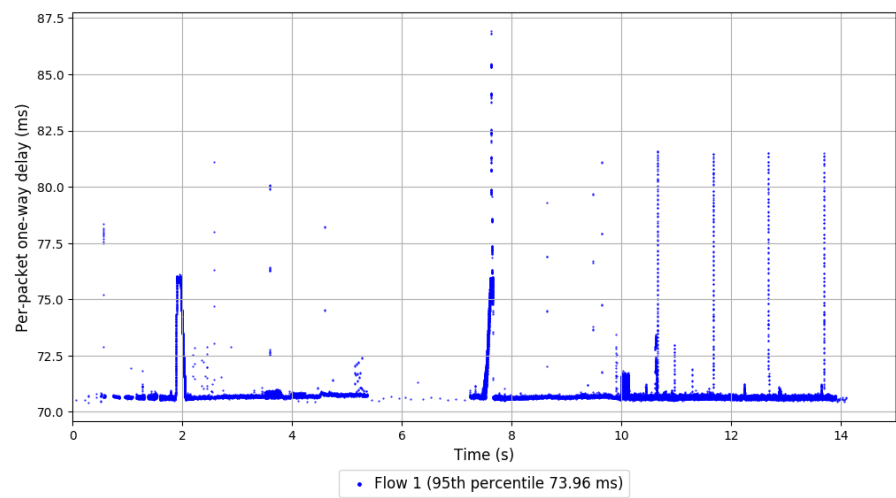
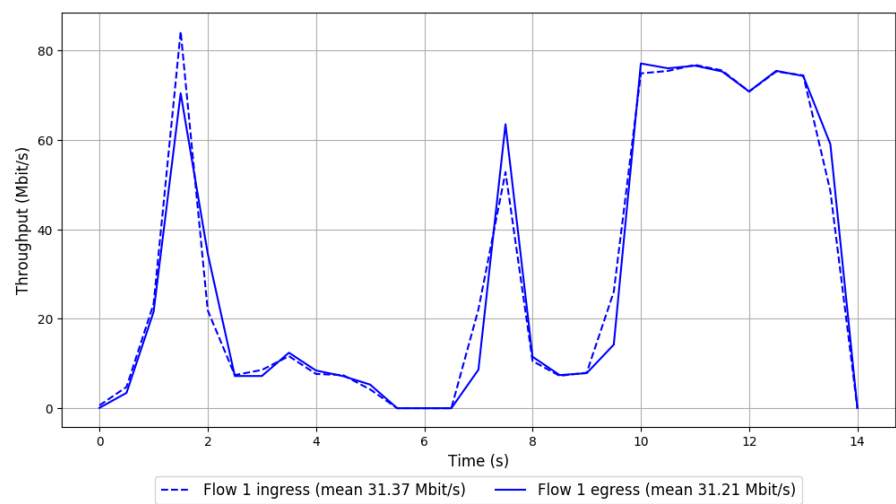
Start at: Mon, 24 Jul 2017 22:41:09 +0000

End at: Mon, 24 Jul 2017 22:41:39 +0000

Local clock offset: 1.094 ms

Remote clock offset: 8.84 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

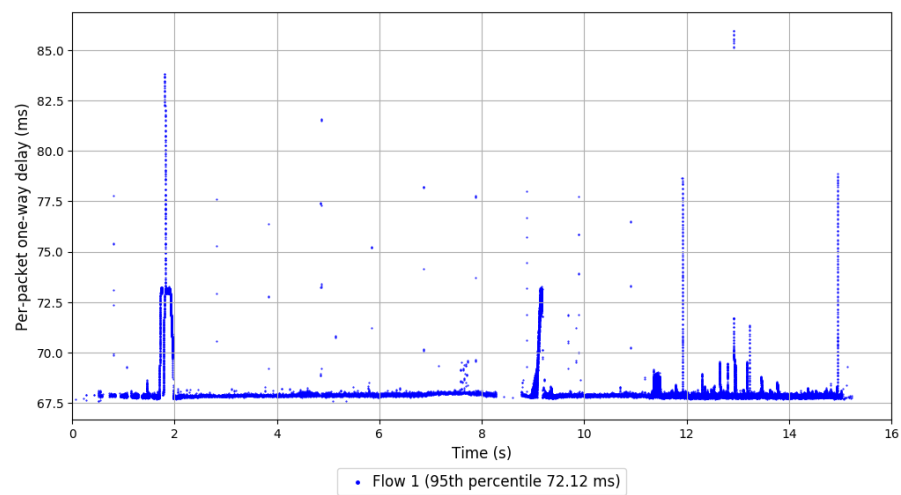
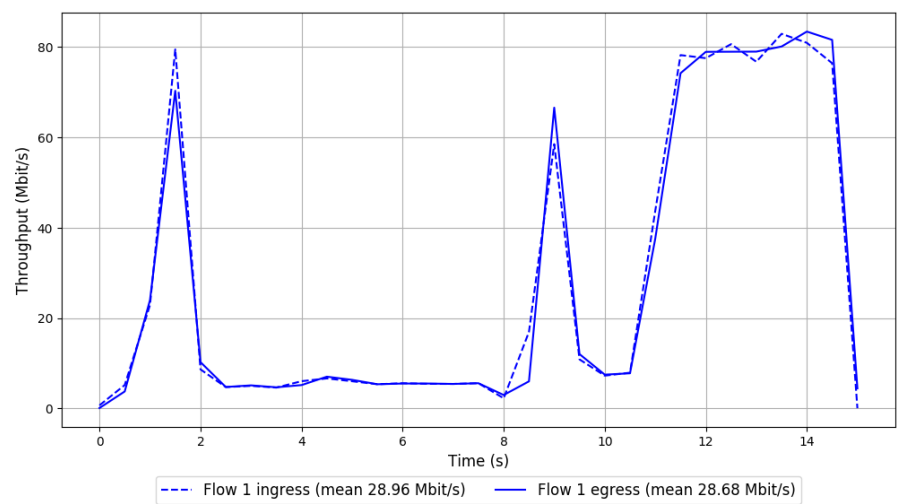
Start at: Mon, 24 Jul 2017 23:00:10 +0000

End at: Mon, 24 Jul 2017 23:00:40 +0000

Local clock offset: 1.161 ms

Remote clock offset: 8.101 ms

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Mon, 24 Jul 2017 20:14:16 +0000

End at: Mon, 24 Jul 2017 20:14:46 +0000

Local clock offset: -0.177 ms

Remote clock offset: 5.727 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.26 Mbit/s

95th percentile per-packet one-way delay: 74.915 ms

Loss rate: 3.35%

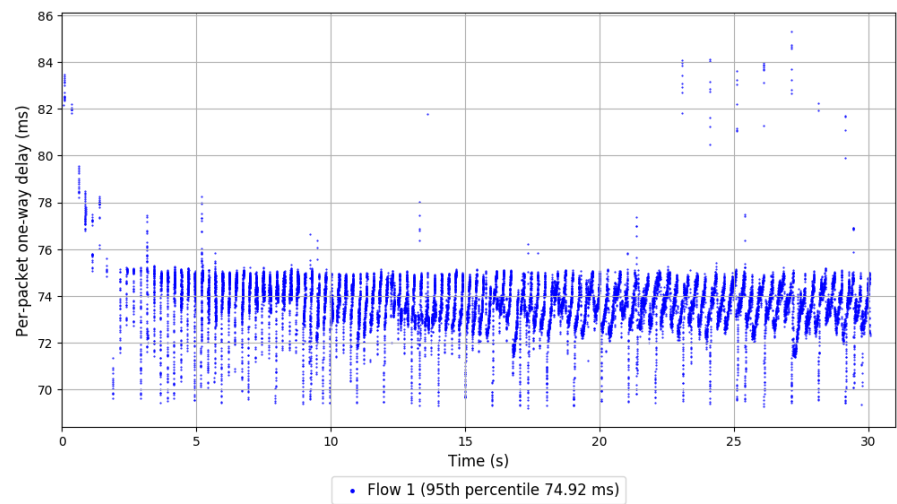
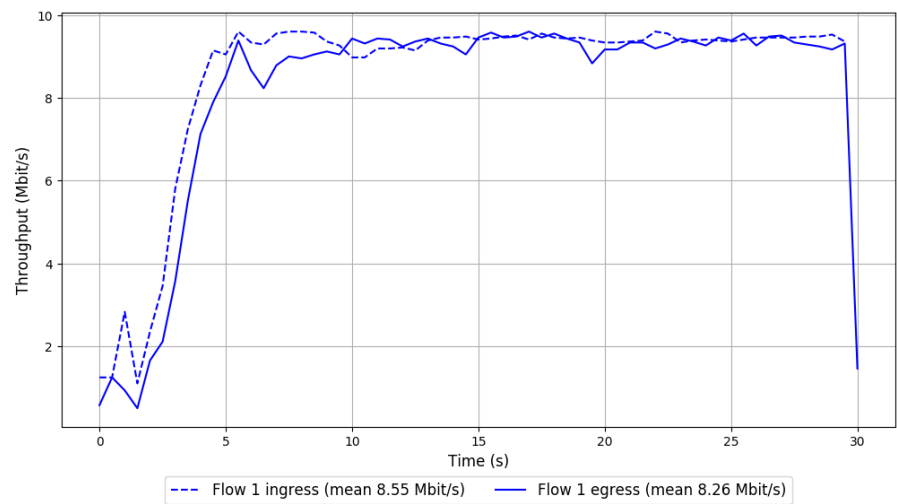
-- Flow 1:

Average throughput: 8.26 Mbit/s

95th percentile per-packet one-way delay: 74.915 ms

Loss rate: 3.35%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Mon, 24 Jul 2017 20:33:27 +0000

End at: Mon, 24 Jul 2017 20:33:57 +0000

Local clock offset: -0.042 ms

Remote clock offset: 8.234 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:05 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.19 Mbit/s

95th percentile per-packet one-way delay: 73.019 ms

Loss rate: 5.01%

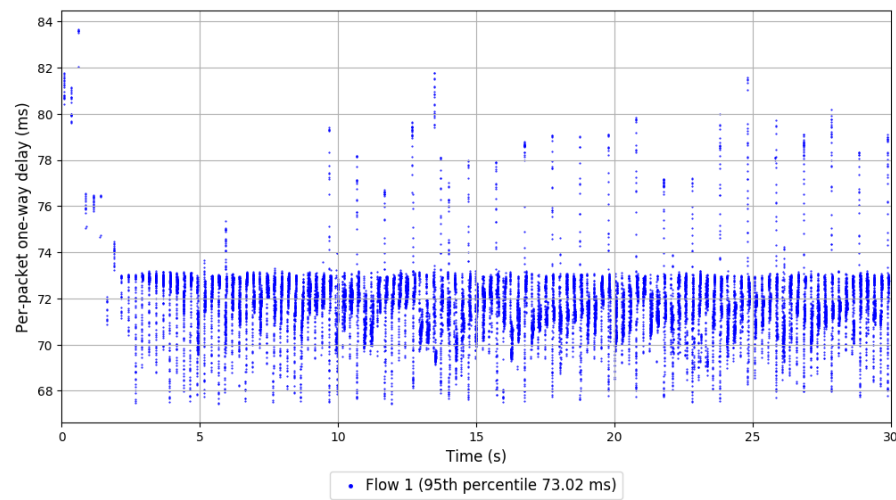
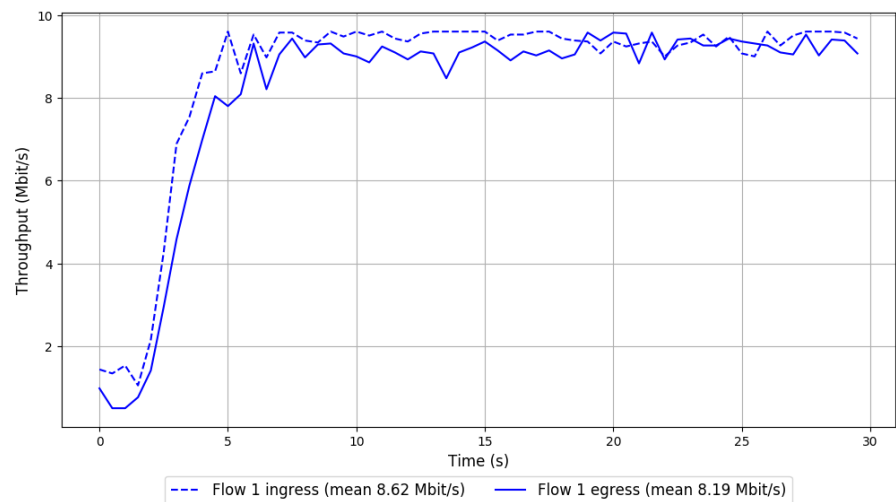
-- Flow 1:

Average throughput: 8.19 Mbit/s

95th percentile per-packet one-way delay: 73.019 ms

Loss rate: 5.01%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Mon, 24 Jul 2017 20:52:32 +0000

End at: Mon, 24 Jul 2017 20:53:02 +0000

Local clock offset: -1.183 ms

Remote clock offset: 8.19 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.77 Mbit/s

95th percentile per-packet one-way delay: 77.275 ms

Loss rate: 2.72%

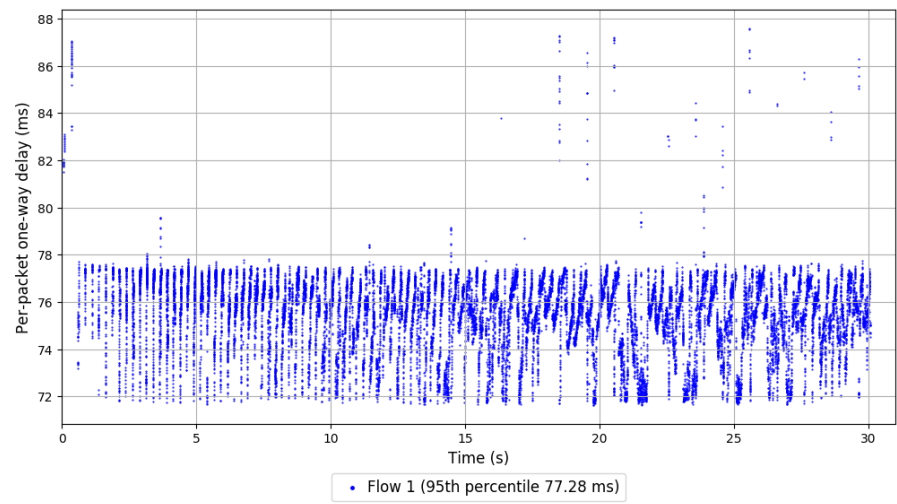
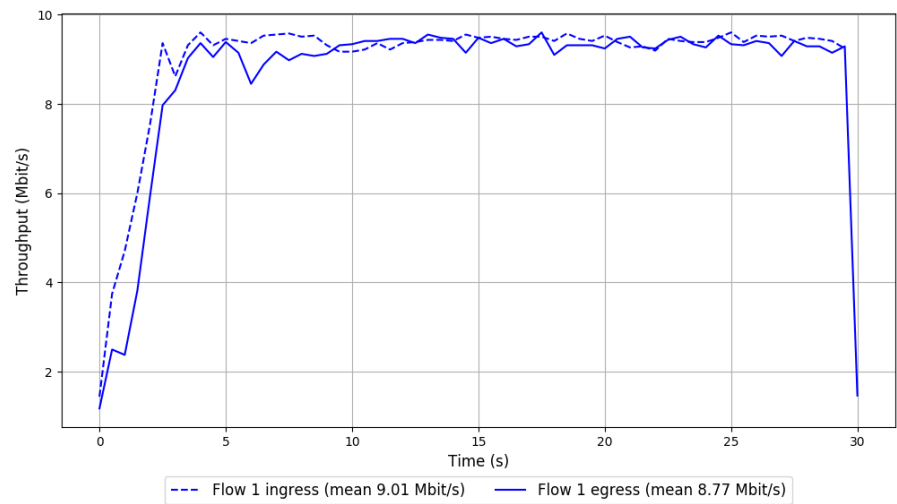
-- Flow 1:

Average throughput: 8.77 Mbit/s

95th percentile per-packet one-way delay: 77.275 ms

Loss rate: 2.72%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Mon, 24 Jul 2017 21:11:39 +0000

End at: Mon, 24 Jul 2017 21:12:09 +0000

Local clock offset: -1.048 ms

Remote clock offset: 7.388 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:07 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.41 Mbit/s

95th percentile per-packet one-way delay: 72.296 ms

Loss rate: 0.80%

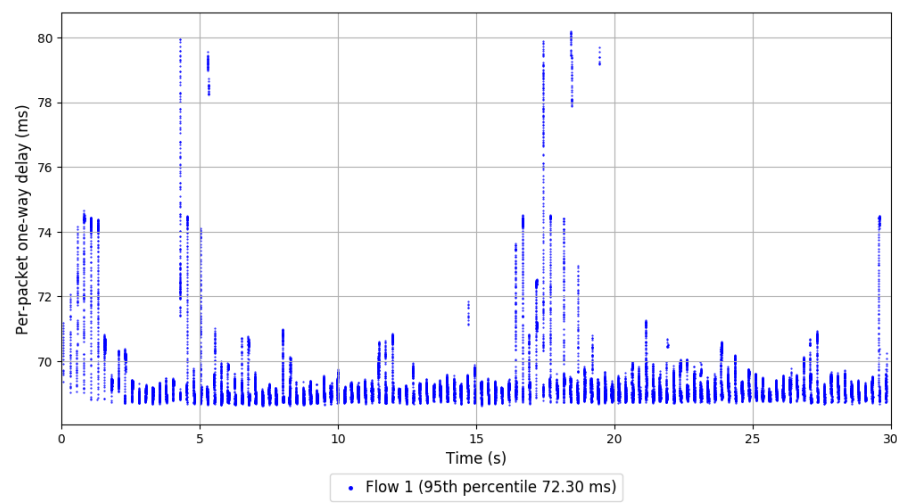
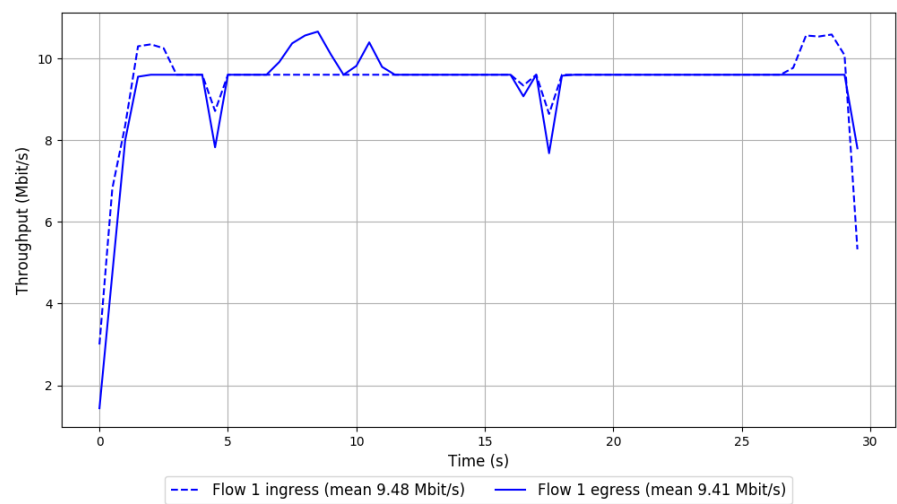
-- Flow 1:

Average throughput: 9.41 Mbit/s

95th percentile per-packet one-way delay: 72.296 ms

Loss rate: 0.80%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Mon, 24 Jul 2017 21:30:55 +0000

End at: Mon, 24 Jul 2017 21:31:25 +0000

Local clock offset: 0.318 ms

Remote clock offset: 6.739 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:09 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.44 Mbit/s

95th percentile per-packet one-way delay: 73.064 ms

Loss rate: 0.38%

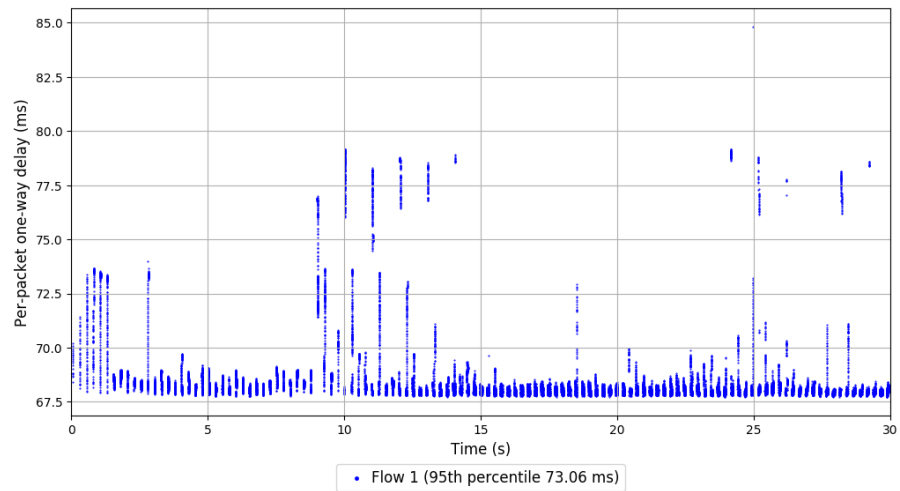
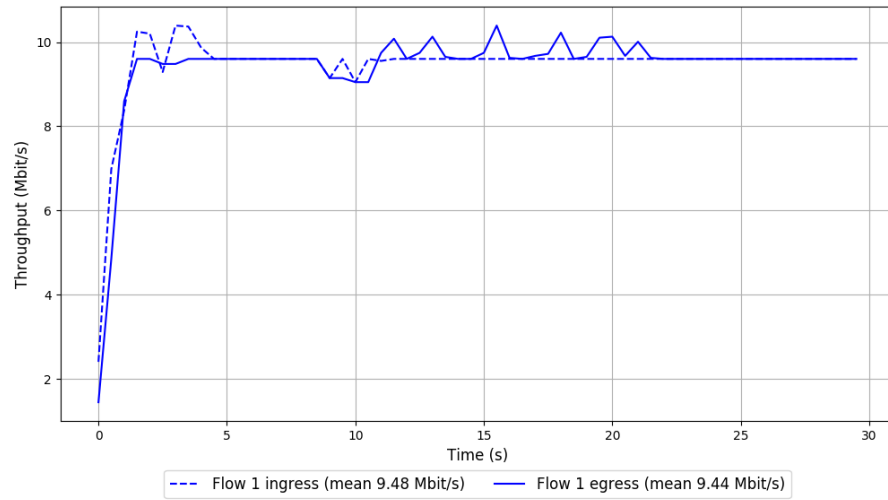
-- Flow 1:

Average throughput: 9.44 Mbit/s

95th percentile per-packet one-way delay: 73.064 ms

Loss rate: 0.38%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Mon, 24 Jul 2017 21:51:58 +0000

End at: Mon, 24 Jul 2017 21:52:28 +0000

Local clock offset: -0.623 ms

Remote clock offset: 7.228 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:10 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.05 Mbit/s

95th percentile per-packet one-way delay: 73.696 ms

Loss rate: 0.42%

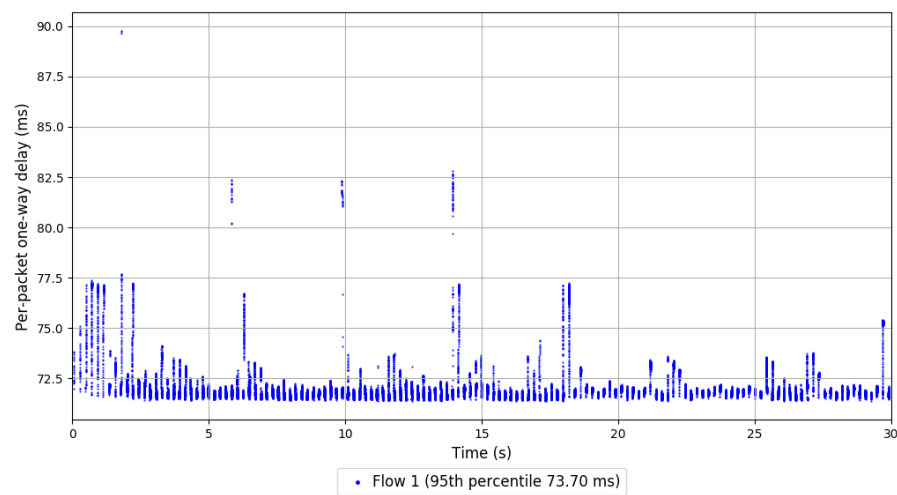
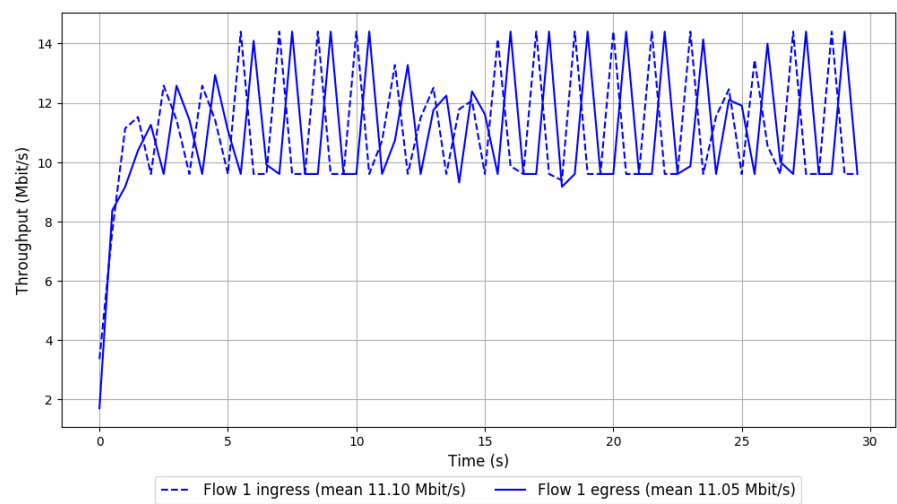
-- Flow 1:

Average throughput: 11.05 Mbit/s

95th percentile per-packet one-way delay: 73.696 ms

Loss rate: 0.42%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Mon, 24 Jul 2017 22:11:04 +0000

End at: Mon, 24 Jul 2017 22:11:34 +0000

Local clock offset: -0.373 ms

Remote clock offset: 8.136 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:11 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.21 Mbit/s

95th percentile per-packet one-way delay: 72.172 ms

Loss rate: 0.37%

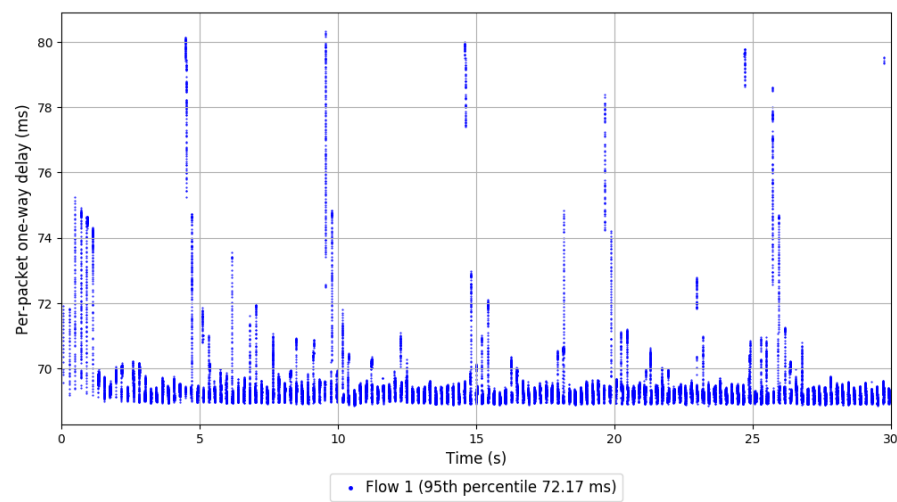
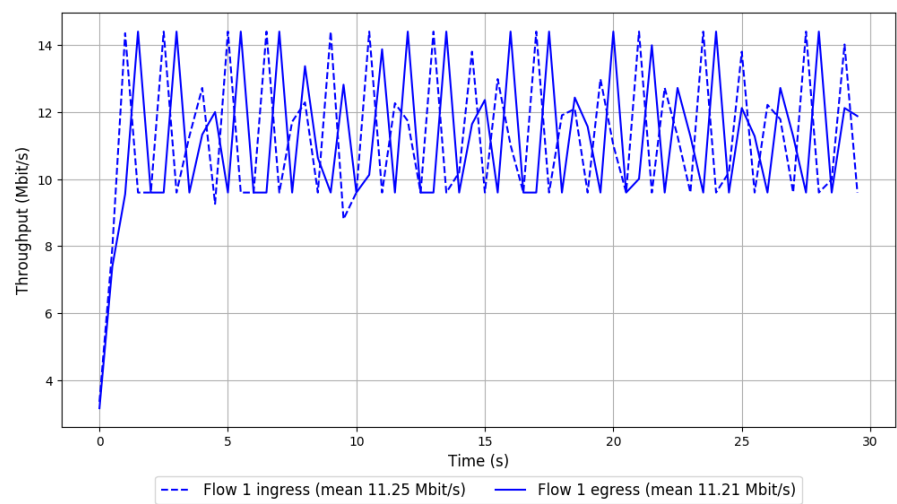
-- Flow 1:

Average throughput: 11.21 Mbit/s

95th percentile per-packet one-way delay: 72.172 ms

Loss rate: 0.37%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Mon, 24 Jul 2017 22:30:57 +0000

End at: Mon, 24 Jul 2017 22:31:27 +0000

Local clock offset: -0.096 ms

Remote clock offset: 52.016 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:12 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.15 Mbit/s

95th percentile per-packet one-way delay: 115.952 ms

Loss rate: 0.74%

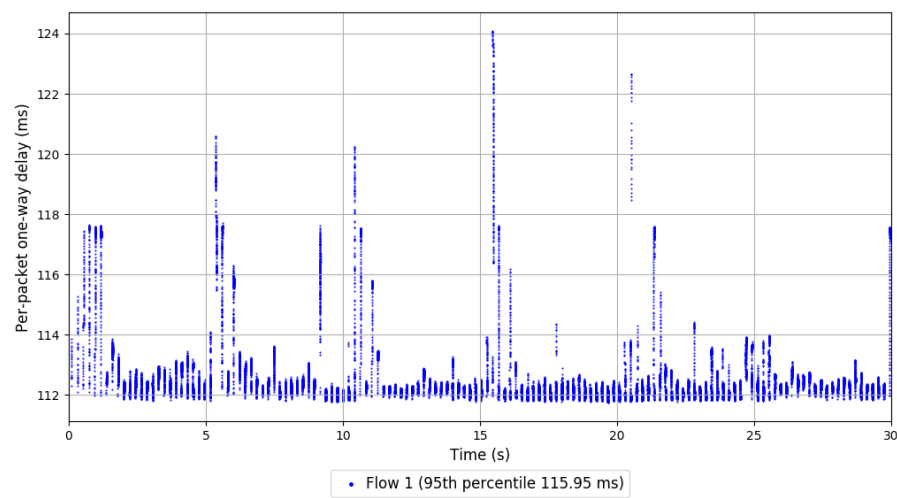
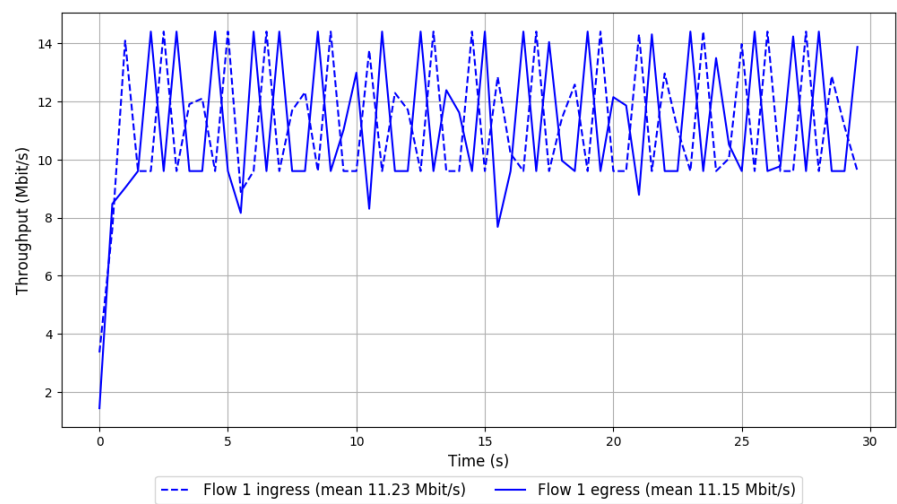
-- Flow 1:

Average throughput: 11.15 Mbit/s

95th percentile per-packet one-way delay: 115.952 ms

Loss rate: 0.74%

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Mon, 24 Jul 2017 22:50:01 +0000

End at: Mon, 24 Jul 2017 22:50:31 +0000

Local clock offset: 1.277 ms

Remote clock offset: 8.621 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.23 Mbit/s

95th percentile per-packet one-way delay: 70.584 ms

Loss rate: 0.19%

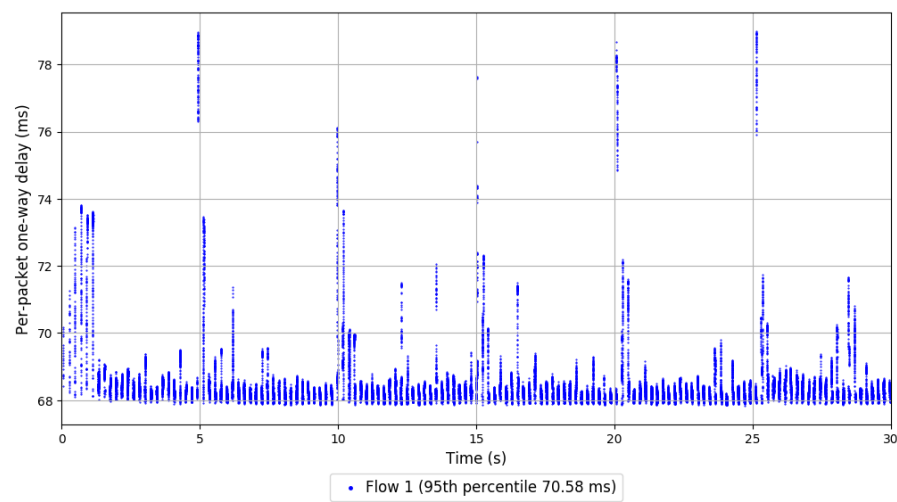
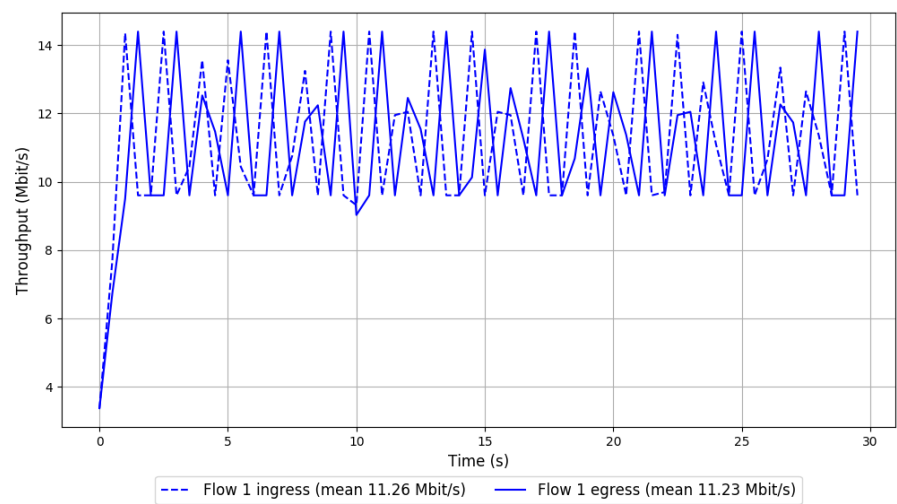
-- Flow 1:

Average throughput: 11.23 Mbit/s

95th percentile per-packet one-way delay: 70.584 ms

Loss rate: 0.19%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Mon, 24 Jul 2017 23:08:59 +0000

End at: Mon, 24 Jul 2017 23:09:29 +0000

Local clock offset: 1.163 ms

Remote clock offset: 7.895 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.12 Mbit/s

95th percentile per-packet one-way delay: 72.459 ms

Loss rate: 0.75%

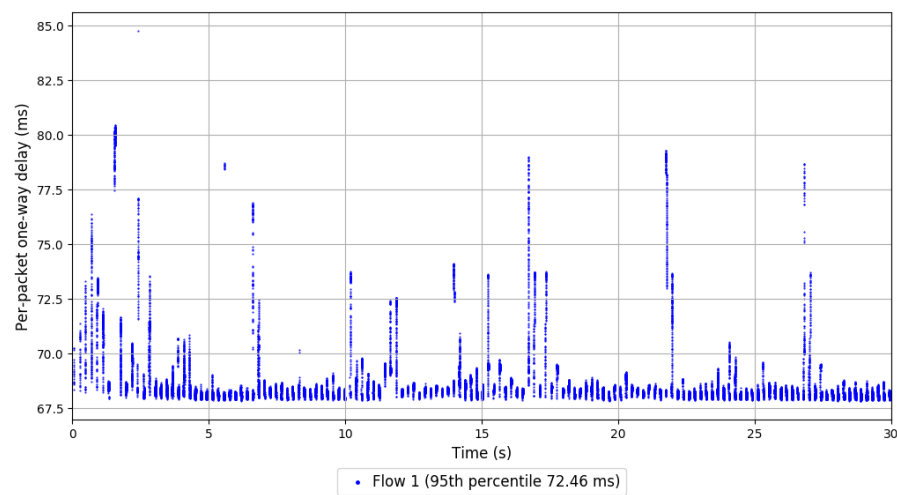
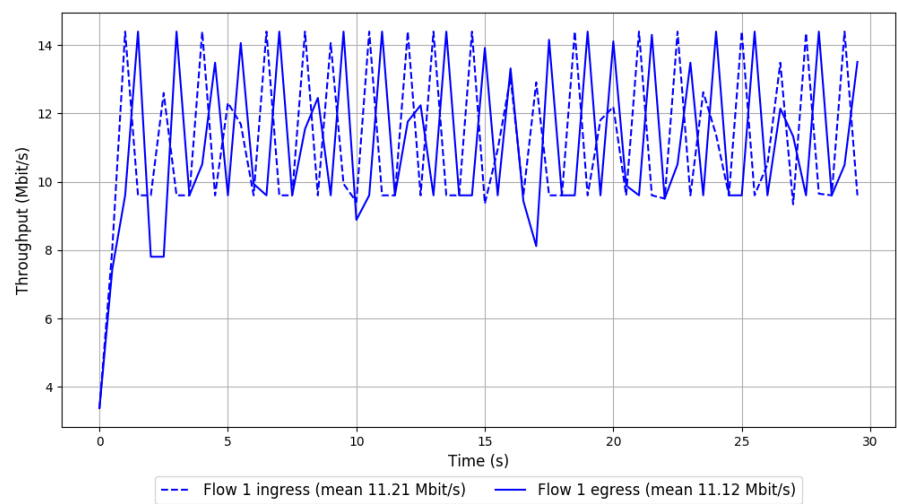
-- Flow 1:

Average throughput: 11.12 Mbit/s

95th percentile per-packet one-way delay: 72.459 ms

Loss rate: 0.75%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 20:10:24 +0000

End at: Mon, 24 Jul 2017 20:10:54 +0000

Local clock offset: -1.369 ms

Remote clock offset: 5.038 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 85.066 ms

Loss rate: 0.88%

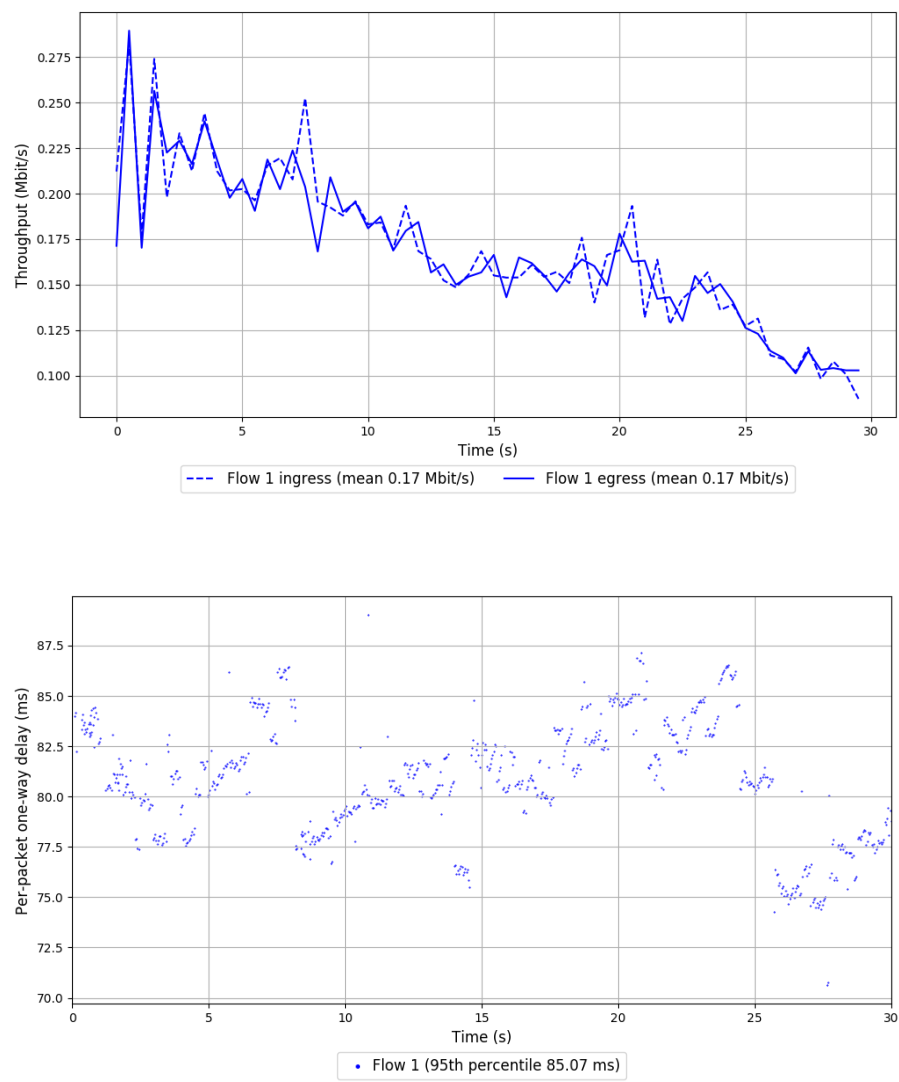
-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 85.066 ms

Loss rate: 0.88%

Run 1: Report of SCSReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 20:29:34 +0000

End at: Mon, 24 Jul 2017 20:30:04 +0000

Local clock offset: -1.355 ms

Remote clock offset: 8.767 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 86.073 ms

Loss rate: 0.80%

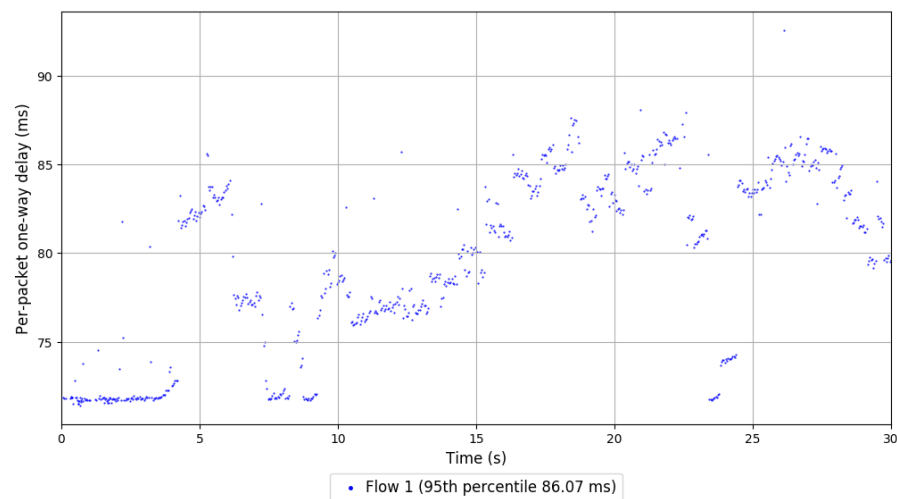
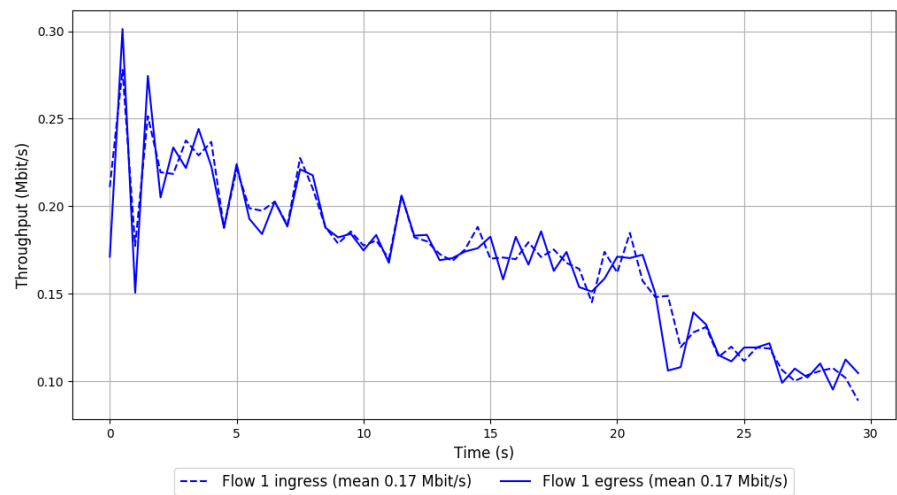
-- Flow 1:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 86.073 ms

Loss rate: 0.80%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 20:48:36 +0000

End at: Mon, 24 Jul 2017 20:49:06 +0000

Local clock offset: -1.207 ms

Remote clock offset: 8.235 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.316 ms

Loss rate: 0.00%

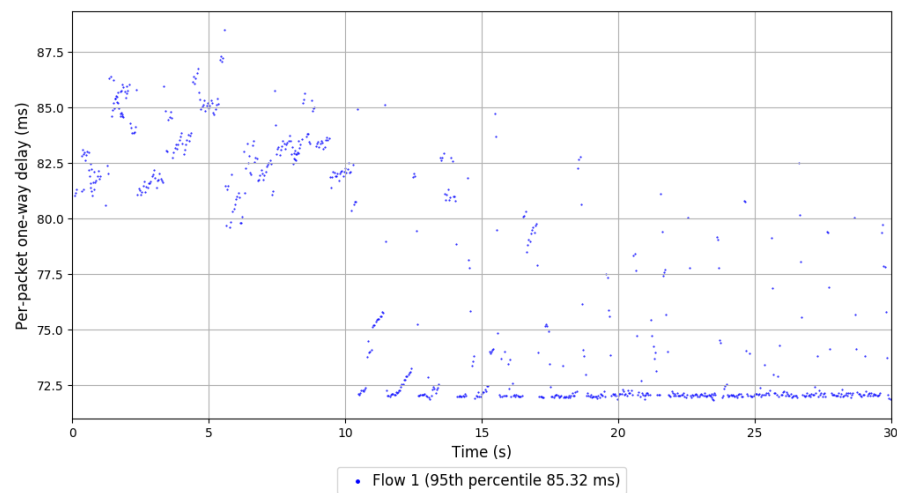
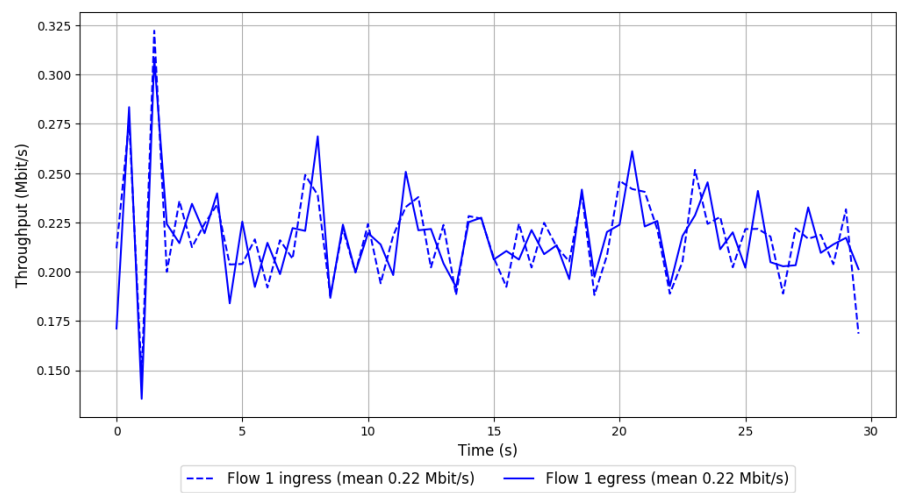
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 85.316 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 21:07:47 +0000

End at: Mon, 24 Jul 2017 21:08:17 +0000

Local clock offset: -1.226 ms

Remote clock offset: 7.481 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:17 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 69.506 ms

Loss rate: 0.00%

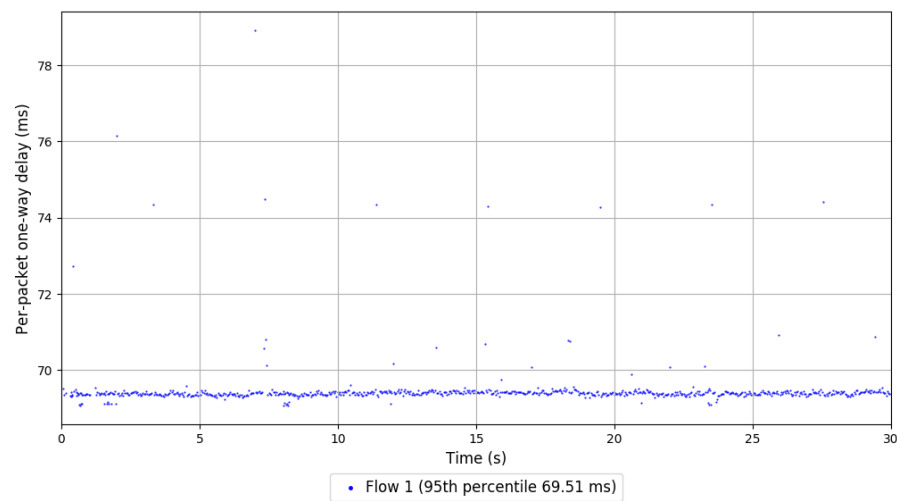
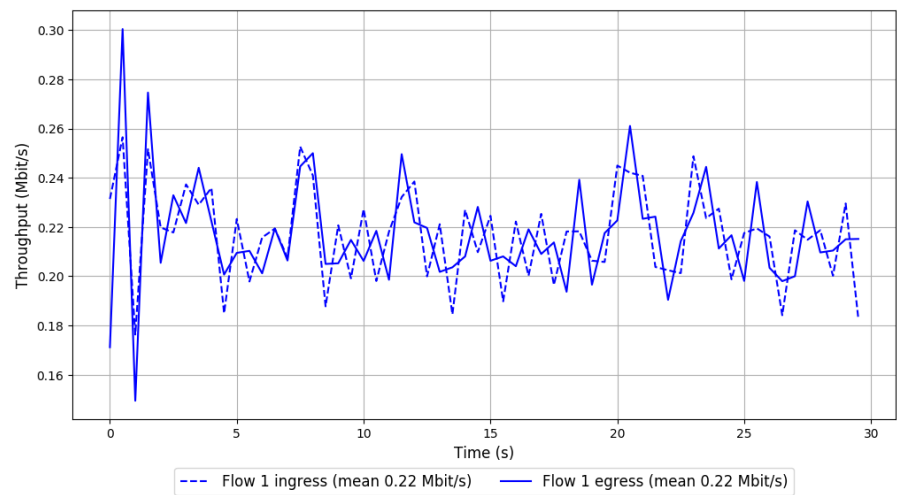
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 69.506 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 21:27:04 +0000

End at: Mon, 24 Jul 2017 21:27:34 +0000

Local clock offset: -0.931 ms

Remote clock offset: 6.708 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:17 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 69.371 ms

Loss rate: 0.00%

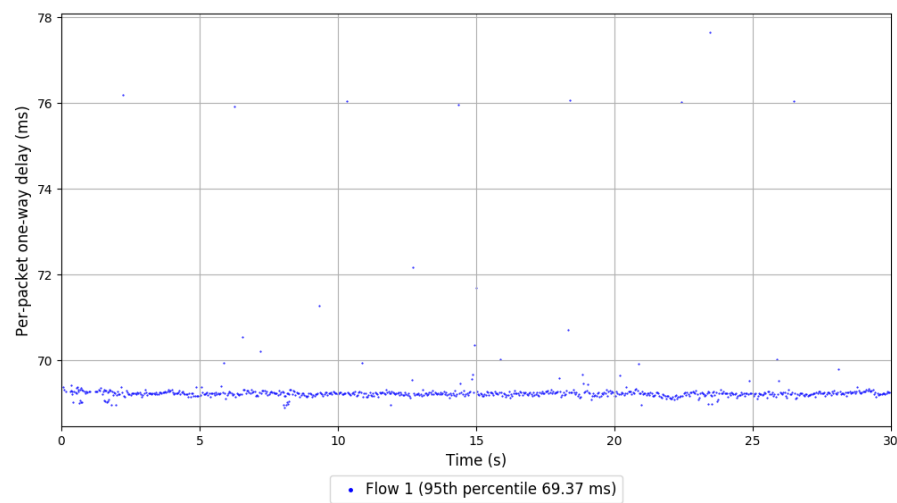
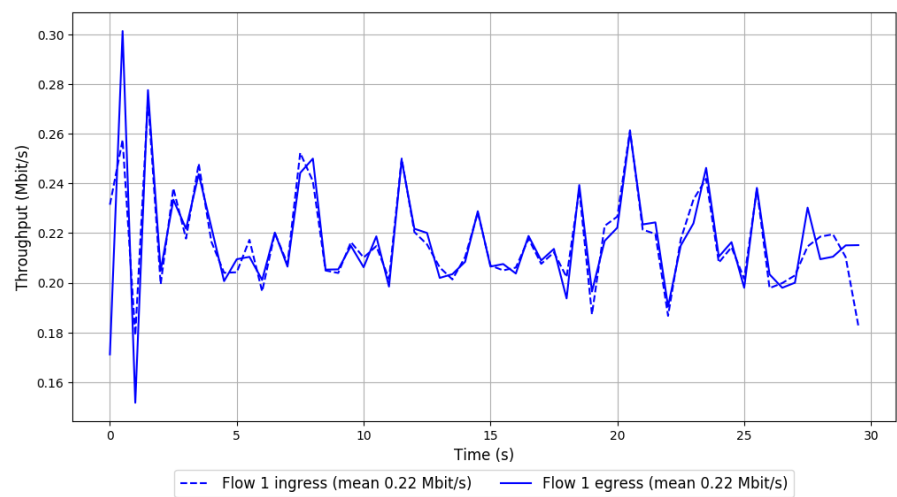
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 69.371 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 21:47:41 +0000

End at: Mon, 24 Jul 2017 21:48:11 +0000

Local clock offset: 0.534 ms

Remote clock offset: 7.115 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 70.633 ms

Loss rate: 0.00%

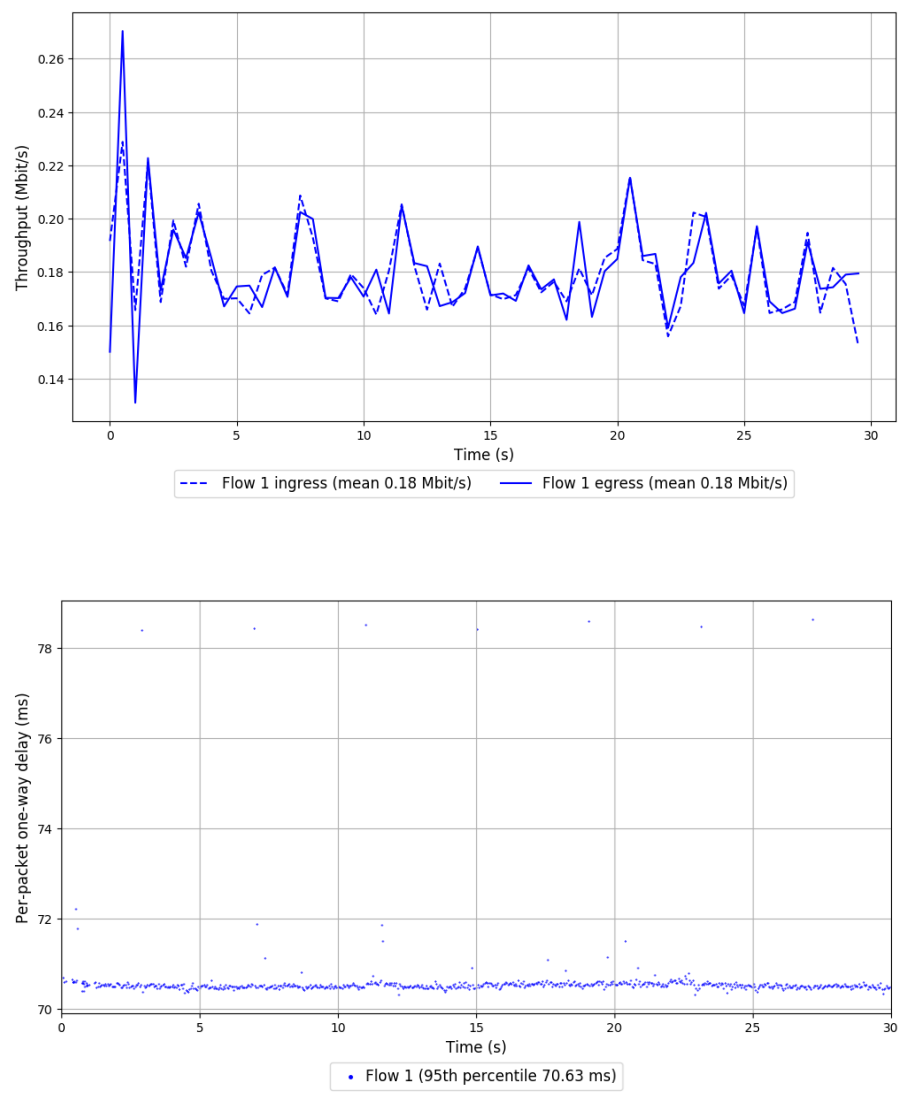
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 70.633 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 22:07:16 +0000

End at: Mon, 24 Jul 2017 22:07:46 +0000

Local clock offset: 0.866 ms

Remote clock offset: 7.778 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:19 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 68.055 ms

Loss rate: 0.00%

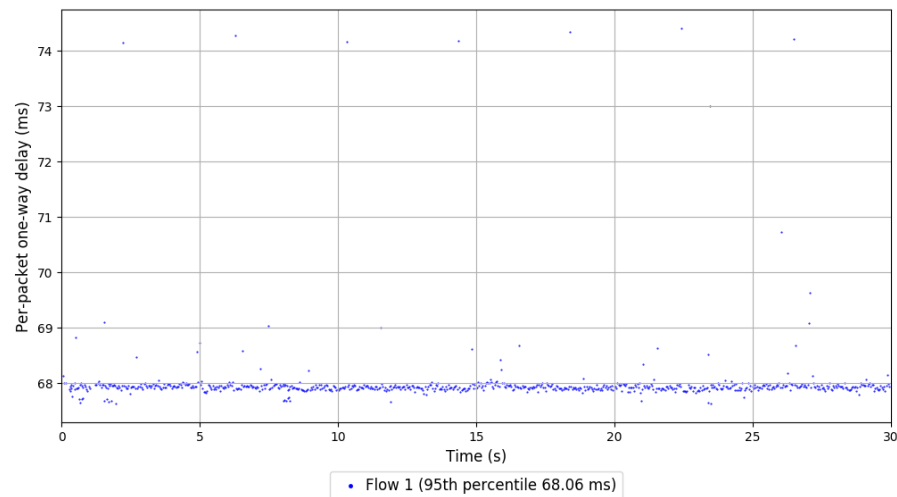
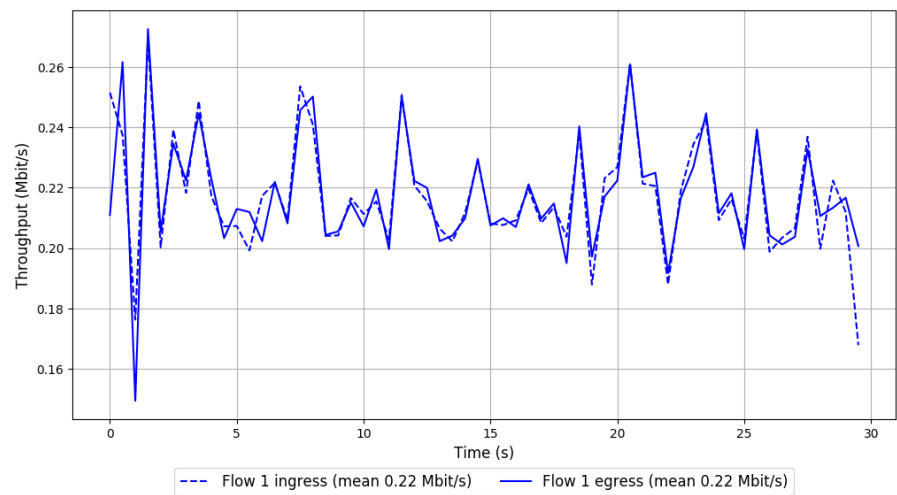
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 68.055 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 22:27:09 +0000

End at: Mon, 24 Jul 2017 22:27:39 +0000

Local clock offset: 1.007 ms

Remote clock offset: 51.81 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:19 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.017 ms

Loss rate: 0.00%

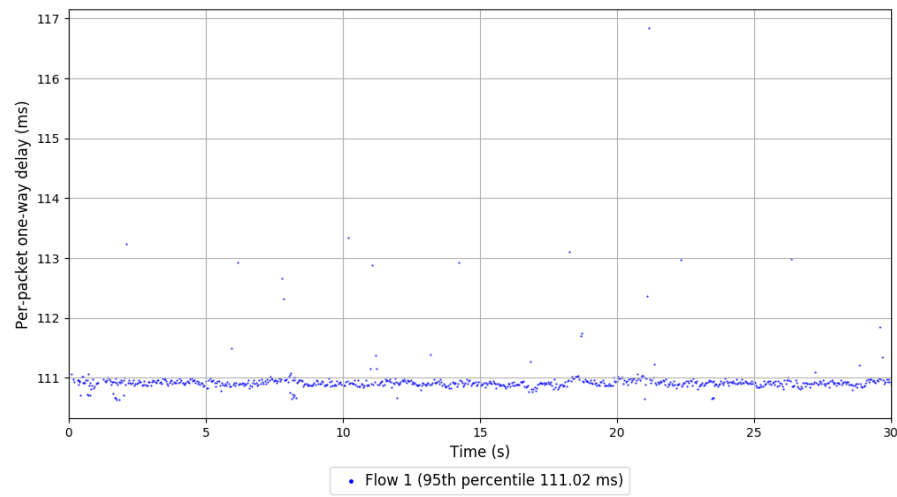
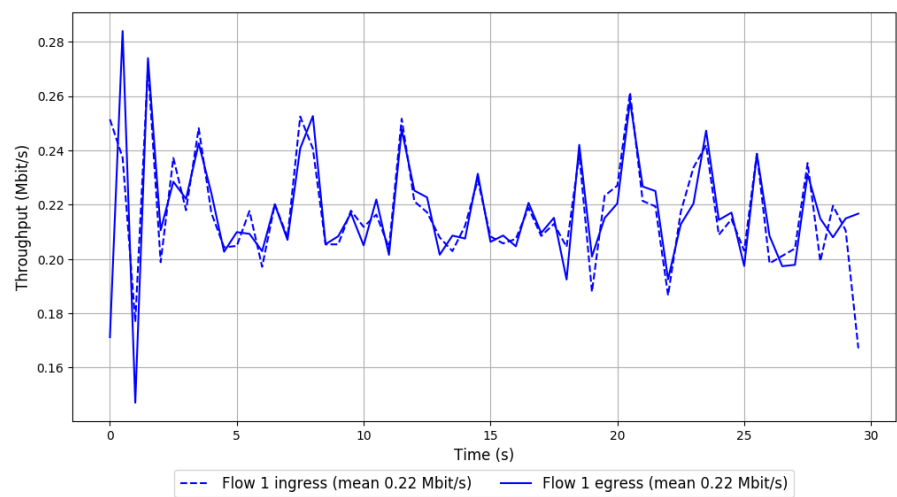
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 111.017 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 22:46:13 +0000

End at: Mon, 24 Jul 2017 22:46:43 +0000

Local clock offset: -0.095 ms

Remote clock offset: 8.725 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:20 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 69.366 ms

Loss rate: 0.00%

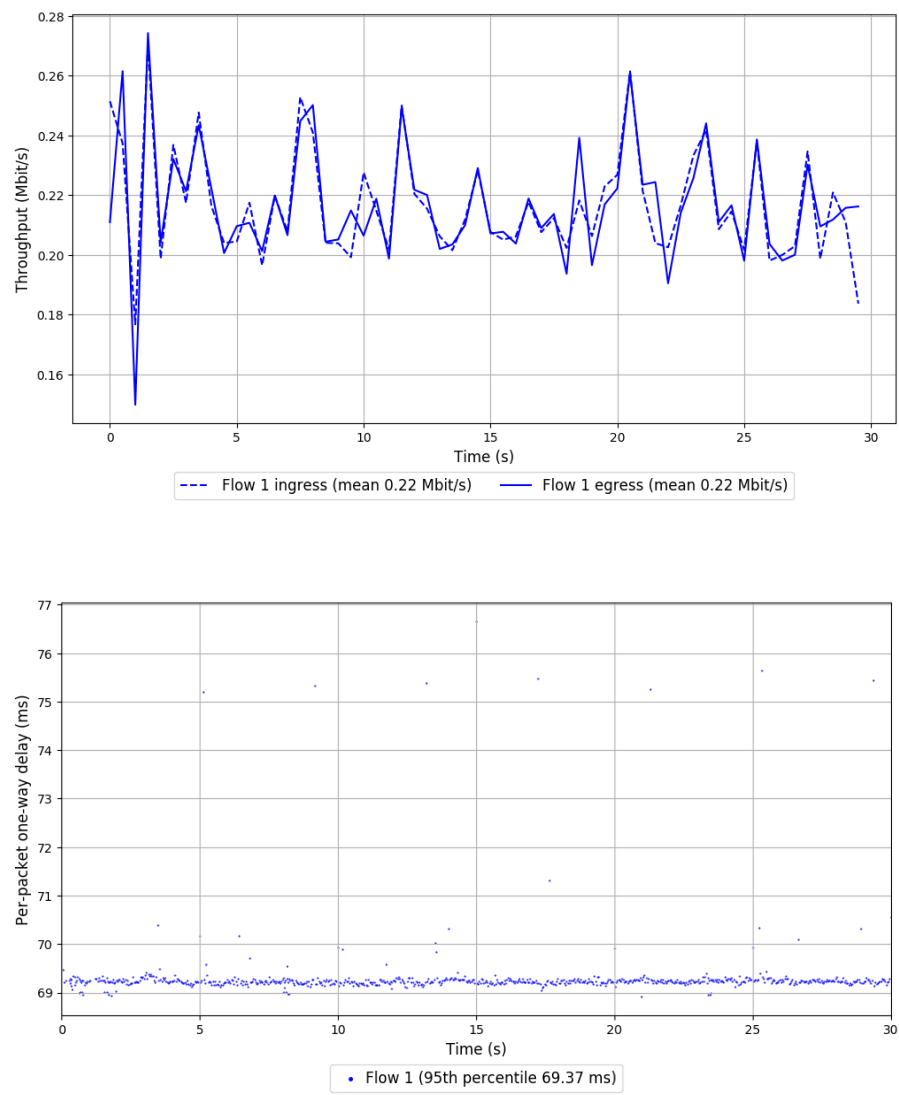
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 69.366 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 23:05:11 +0000

End at: Mon, 24 Jul 2017 23:05:41 +0000

Local clock offset: 1.118 ms

Remote clock offset: 8.007 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:20 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 71.211 ms

Loss rate: 0.00%

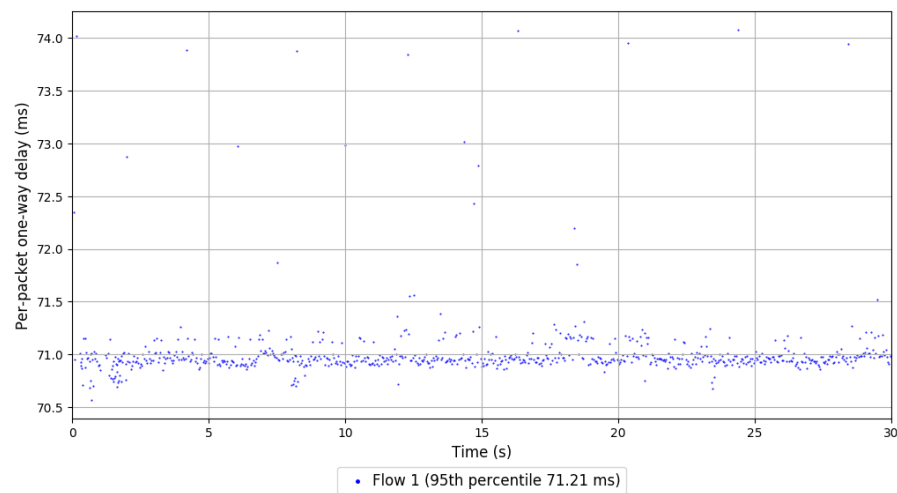
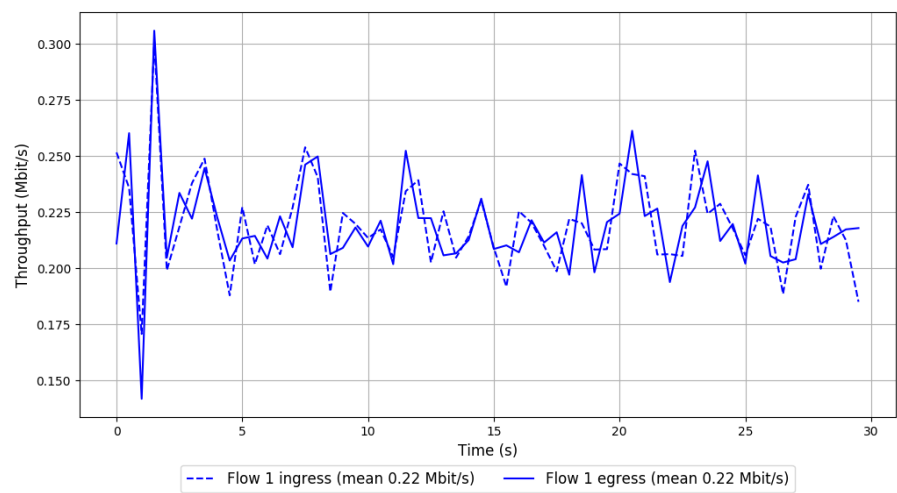
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 71.211 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Mon, 24 Jul 2017 20:15:32 +0000

End at: Mon, 24 Jul 2017 20:16:02 +0000

Local clock offset: -0.111 ms

Remote clock offset: 6.168 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 79.857 ms

Loss rate: 2.23%

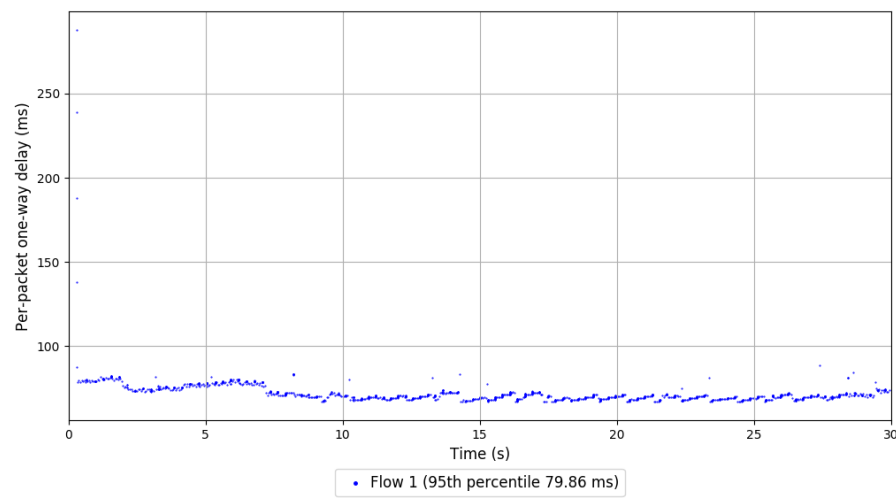
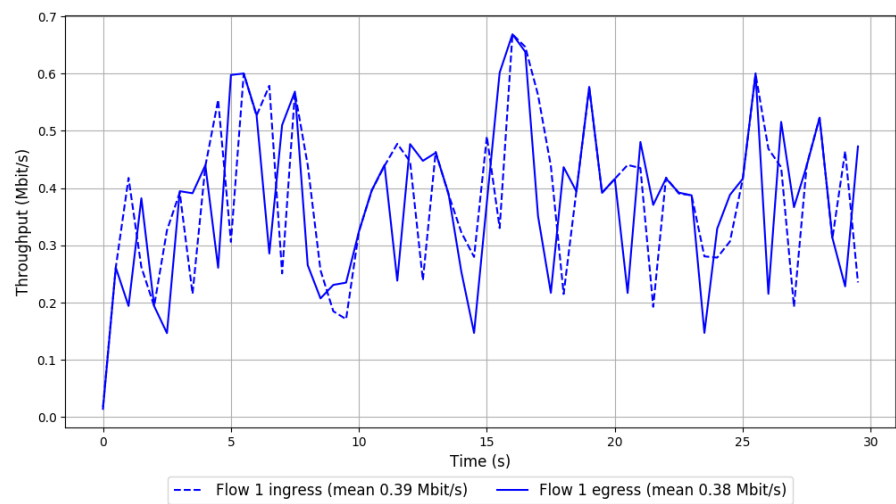
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 79.857 ms

Loss rate: 2.23%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Mon, 24 Jul 2017 20:34:43 +0000

End at: Mon, 24 Jul 2017 20:35:13 +0000

Local clock offset: -0.08 ms

Remote clock offset: 7.646 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 78.818 ms

Loss rate: 2.42%

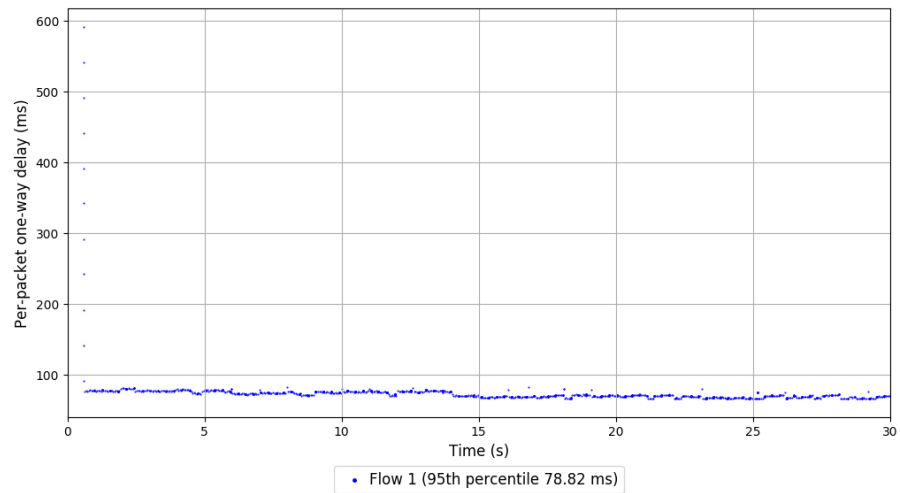
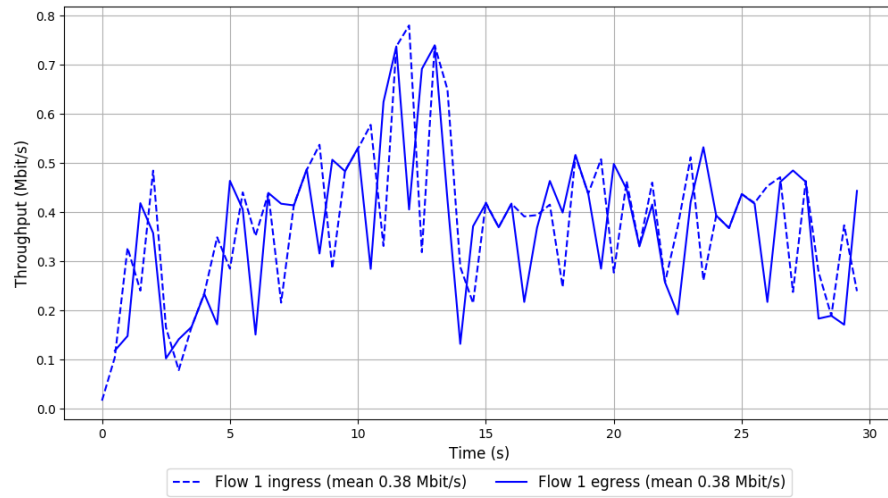
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 78.818 ms

Loss rate: 2.42%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Mon, 24 Jul 2017 20:53:48 +0000

End at: Mon, 24 Jul 2017 20:54:18 +0000

Local clock offset: -1.176 ms

Remote clock offset: 8.32 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 84.880 ms

Loss rate: 0.83%

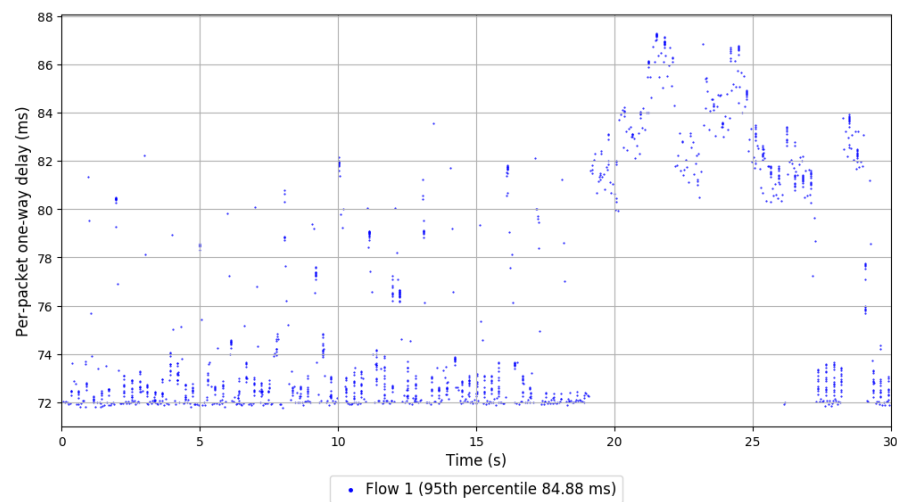
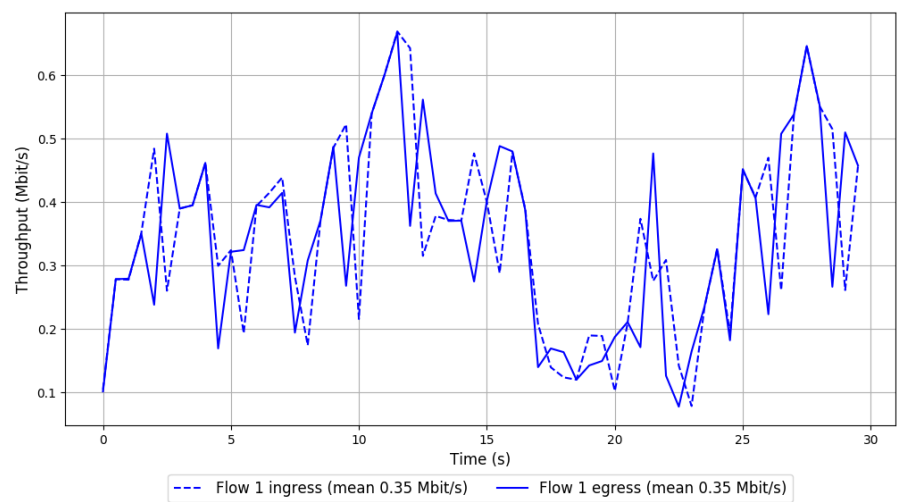
-- Flow 1:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 84.880 ms

Loss rate: 0.83%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Mon, 24 Jul 2017 21:12:55 +0000

End at: Mon, 24 Jul 2017 21:13:25 +0000

Local clock offset: 0.185 ms

Remote clock offset: 7.315 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:23 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.75 Mbit/s

95th percentile per-packet one-way delay: 69.961 ms

Loss rate: 0.00%

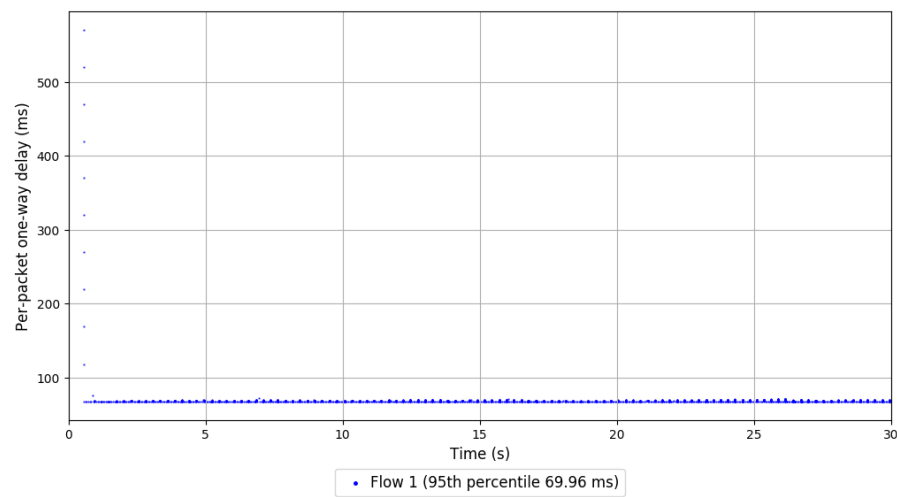
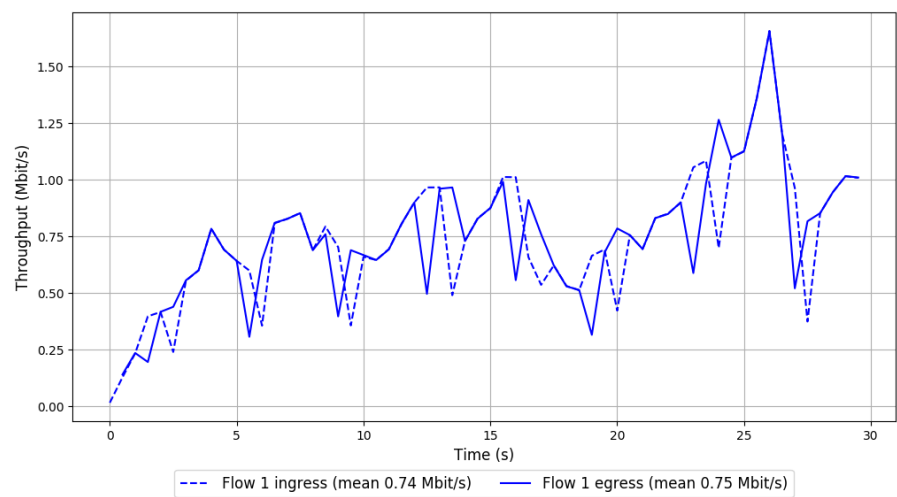
-- Flow 1:

Average throughput: 0.75 Mbit/s

95th percentile per-packet one-way delay: 69.961 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Mon, 24 Jul 2017 21:32:12 +0000

End at: Mon, 24 Jul 2017 21:32:42 +0000

Local clock offset: -0.911 ms

Remote clock offset: 6.688 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:23 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 70.439 ms

Loss rate: 0.00%

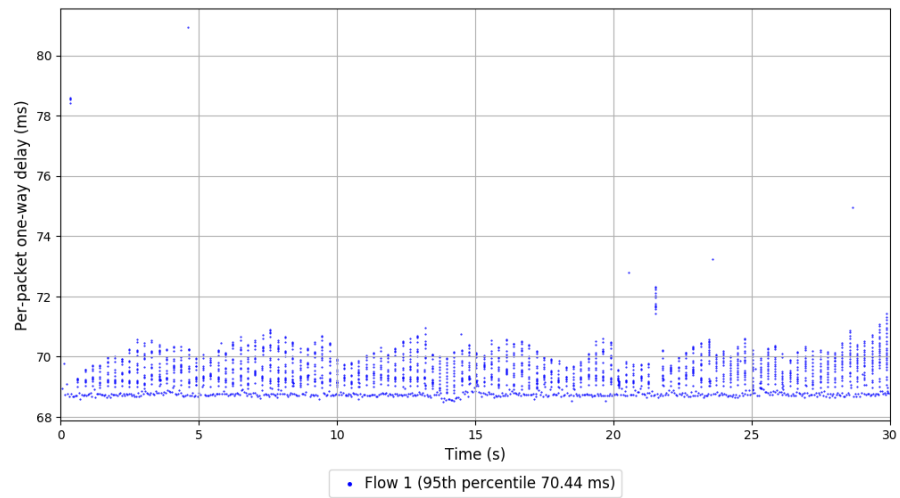
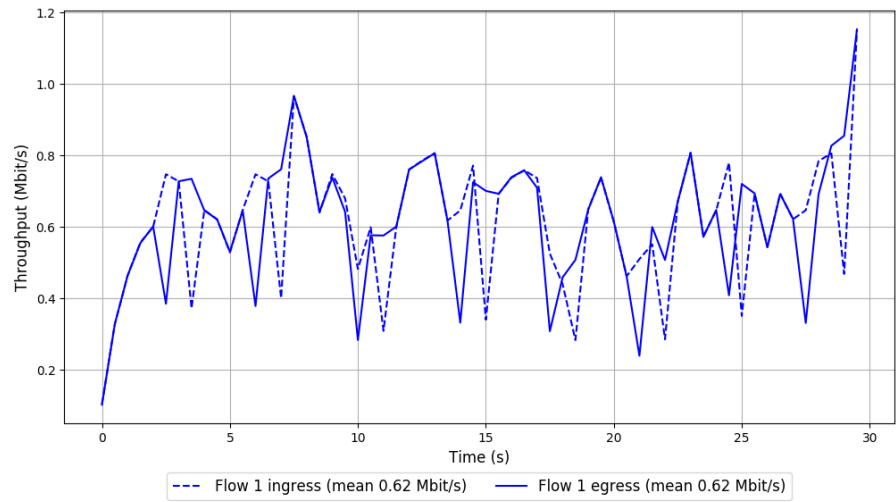
-- Flow 1:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 70.439 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Mon, 24 Jul 2017 21:53:13 +0000

End at: Mon, 24 Jul 2017 21:53:43 +0000

Local clock offset: -0.51 ms

Remote clock offset: 7.297 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:24 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 70.302 ms

Loss rate: 0.00%

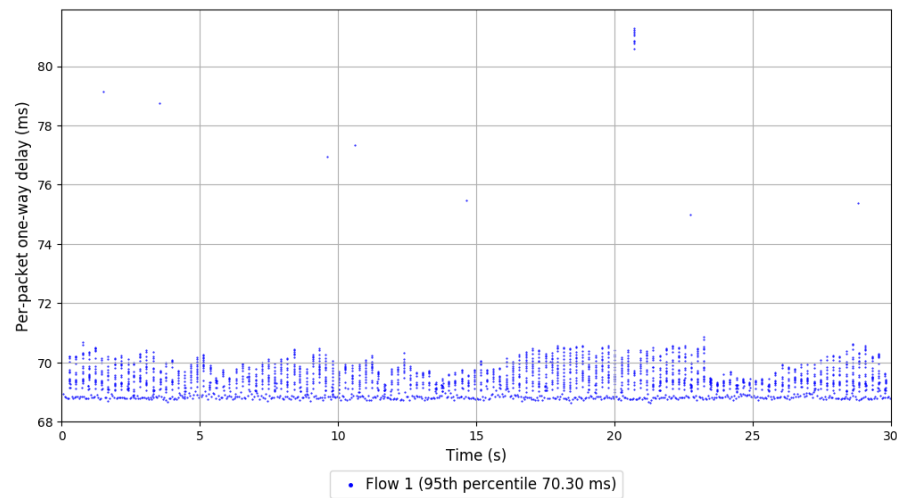
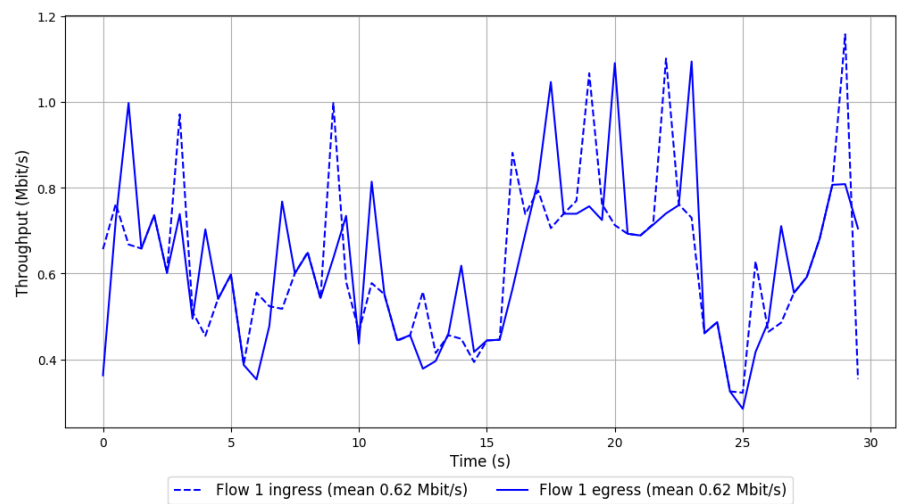
-- Flow 1:

Average throughput: 0.62 Mbit/s

95th percentile per-packet one-way delay: 70.302 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Mon, 24 Jul 2017 22:12:19 +0000

End at: Mon, 24 Jul 2017 22:12:49 +0000

Local clock offset: -0.982 ms

Remote clock offset: 8.187 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:24 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.76 Mbit/s

95th percentile per-packet one-way delay: 71.950 ms

Loss rate: 0.00%

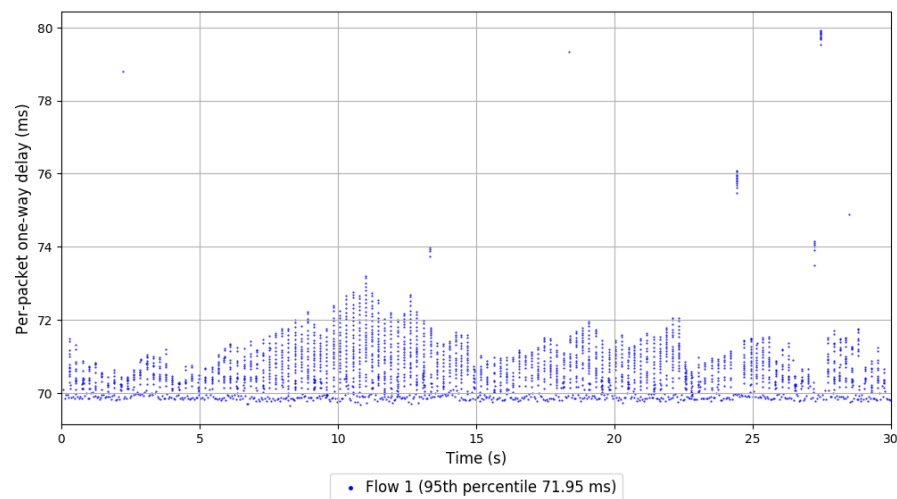
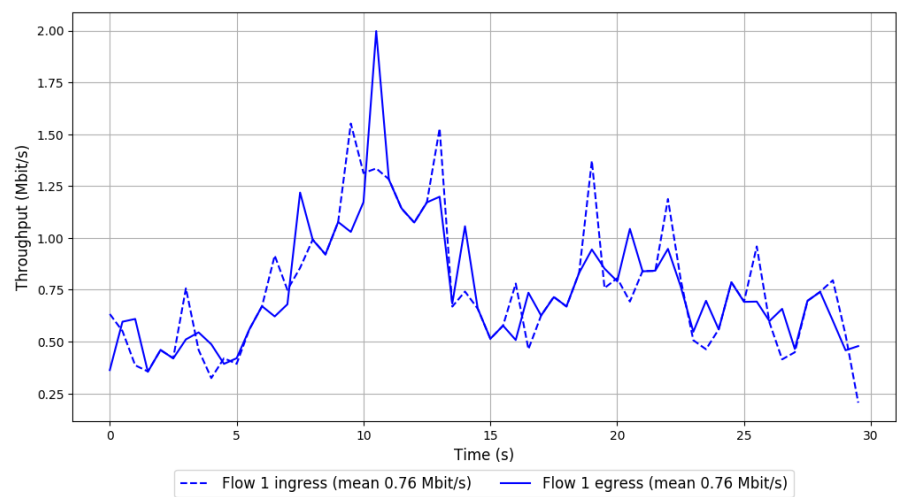
-- Flow 1:

Average throughput: 0.76 Mbit/s

95th percentile per-packet one-way delay: 71.950 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Mon, 24 Jul 2017 22:32:12 +0000

End at: Mon, 24 Jul 2017 22:32:42 +0000

Local clock offset: -0.196 ms

Remote clock offset: 51.933 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:25 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 113.503 ms

Loss rate: 0.00%

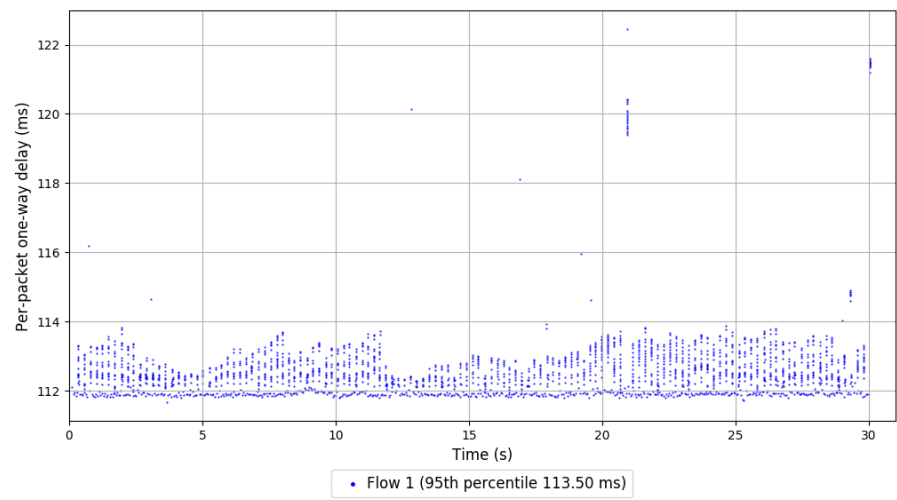
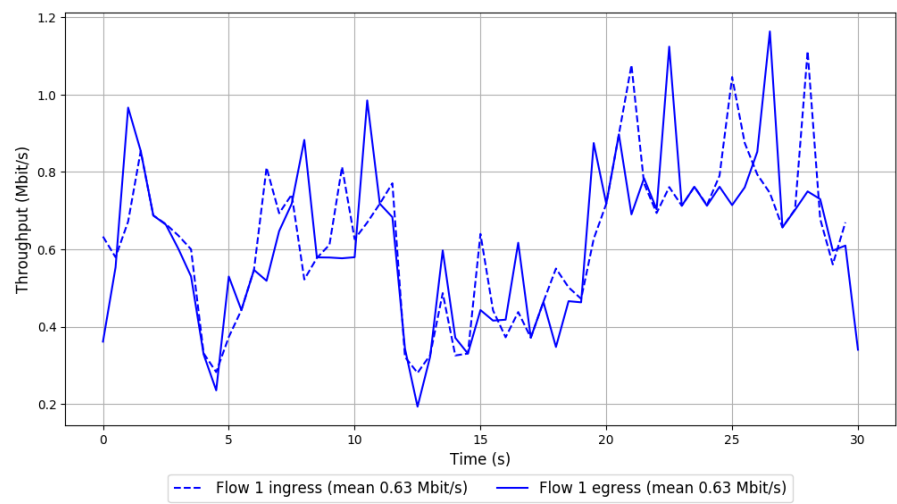
-- Flow 1:

Average throughput: 0.63 Mbit/s

95th percentile per-packet one-way delay: 113.503 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Mon, 24 Jul 2017 22:51:16 +0000

End at: Mon, 24 Jul 2017 22:51:46 +0000

Local clock offset: -0.105 ms

Remote clock offset: 8.492 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:25 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 73.774 ms

Loss rate: 0.00%

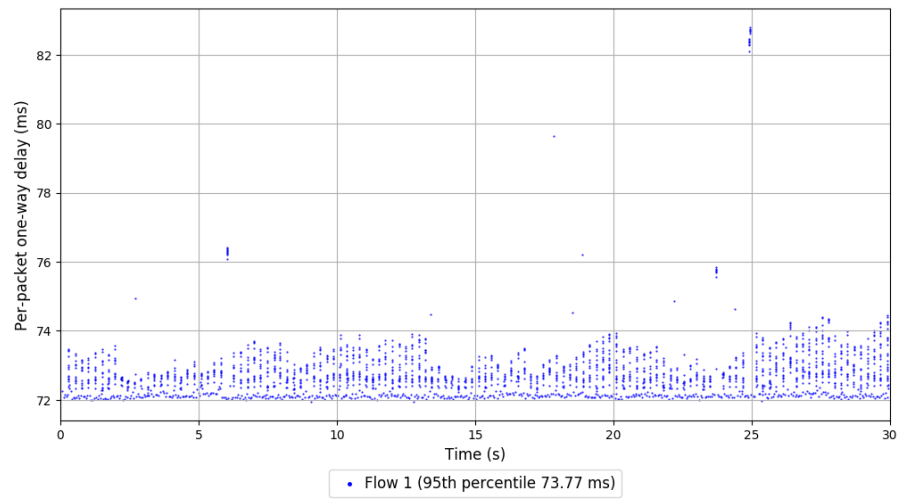
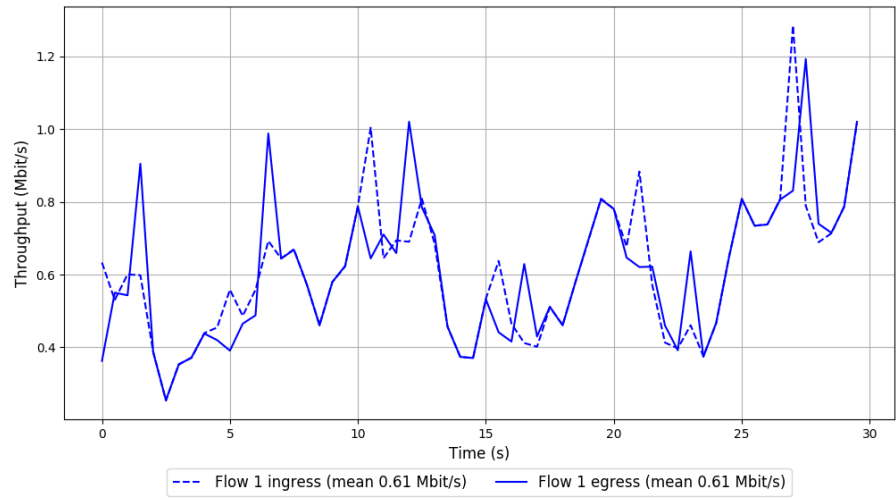
-- Flow 1:

Average throughput: 0.61 Mbit/s

95th percentile per-packet one-way delay: 73.774 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Mon, 24 Jul 2017 23:10:14 +0000

End at: Mon, 24 Jul 2017 23:10:44 +0000

Local clock offset: -0.083 ms

Remote clock offset: 7.87 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.71 Mbit/s

95th percentile per-packet one-way delay: 70.851 ms

Loss rate: 0.00%

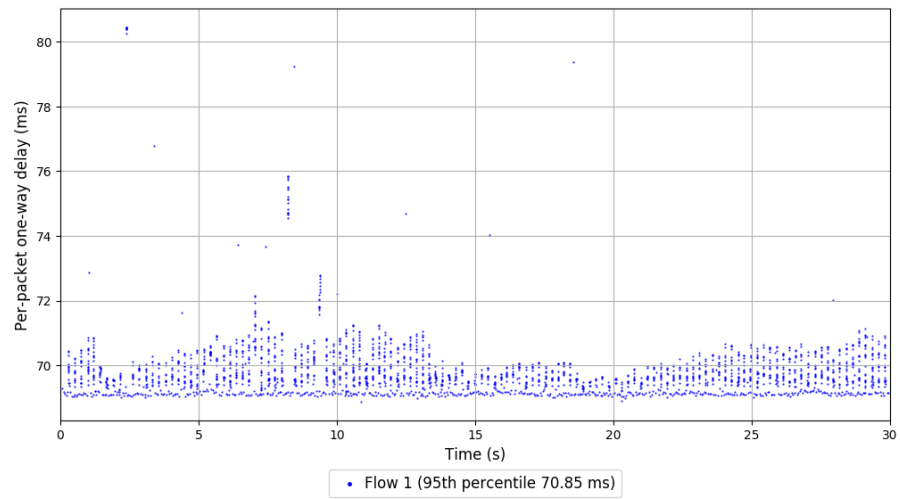
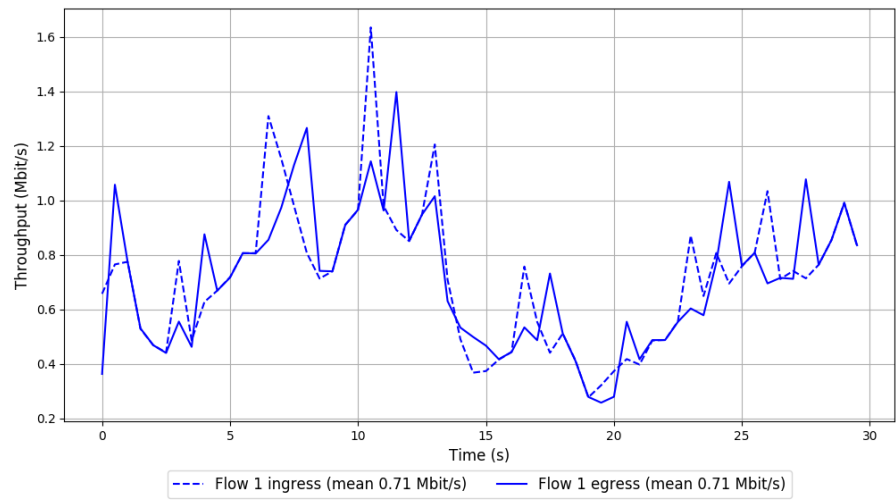
-- Flow 1:

Average throughput: 0.71 Mbit/s

95th percentile per-packet one-way delay: 70.851 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Mon, 24 Jul 2017 20:16:48 +0000

End at: Mon, 24 Jul 2017 20:17:18 +0000

Local clock offset: -1.313 ms

Remote clock offset: 5.75 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 73.330 ms

Loss rate: 2.84%

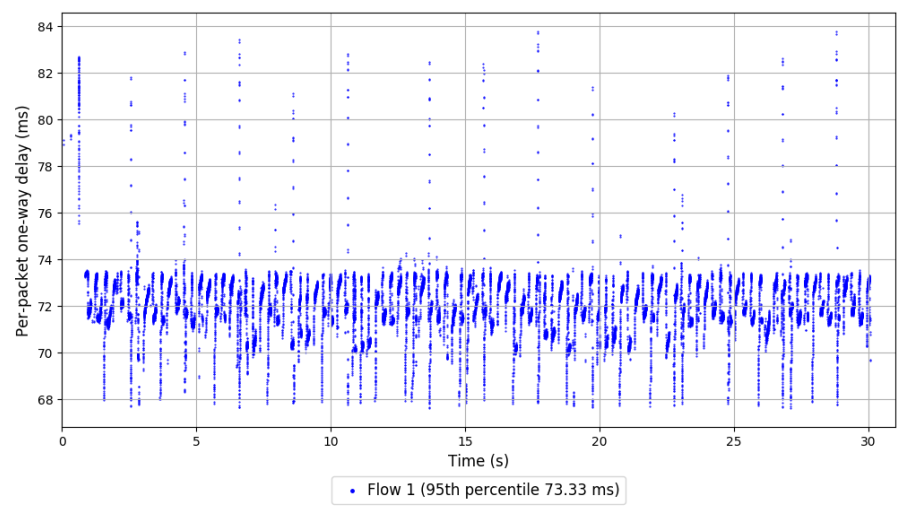
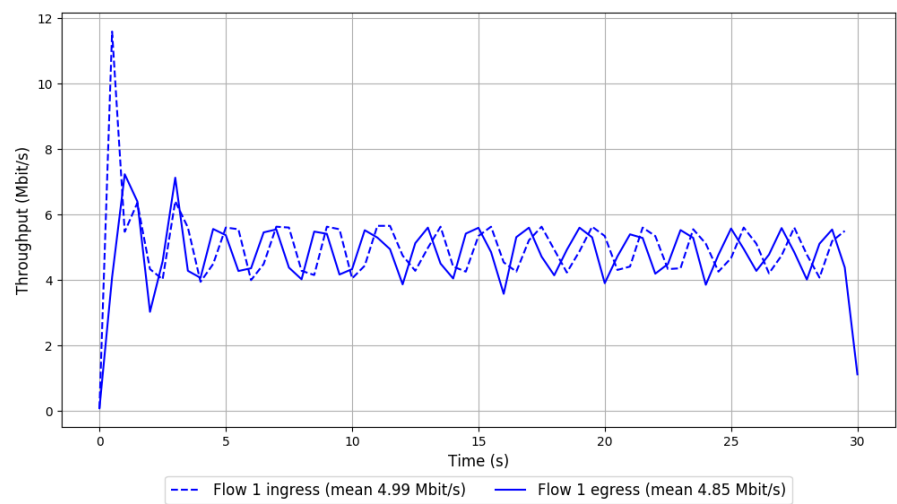
-- Flow 1:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 73.330 ms

Loss rate: 2.84%

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



Run 2: Statistics of TaoVA-100x

Start at: Mon, 24 Jul 2017 20:35:58 +0000

End at: Mon, 24 Jul 2017 20:36:28 +0000

Local clock offset: -0.035 ms

Remote clock offset: 7.715 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:28 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 72.576 ms

Loss rate: 4.14%

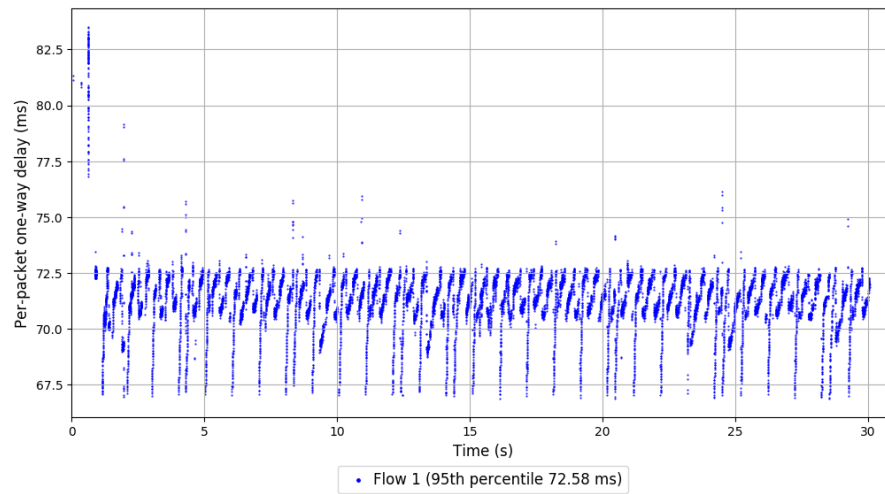
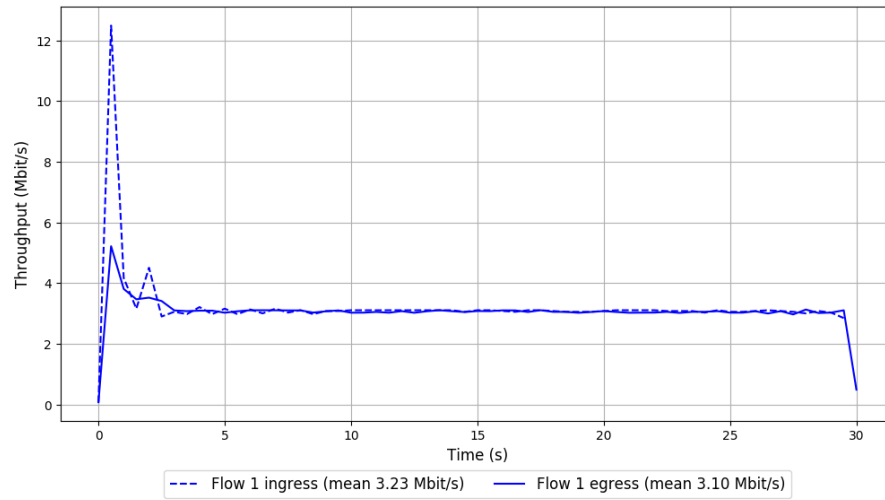
-- Flow 1:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 72.576 ms

Loss rate: 4.14%

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



Run 3: Statistics of TaoVA-100x

Start at: Mon, 24 Jul 2017 20:55:03 +0000

End at: Mon, 24 Jul 2017 20:55:33 +0000

Local clock offset: -1.202 ms

Remote clock offset: 8.13 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.94 Mbit/s

95th percentile per-packet one-way delay: 74.439 ms

Loss rate: 12.00%

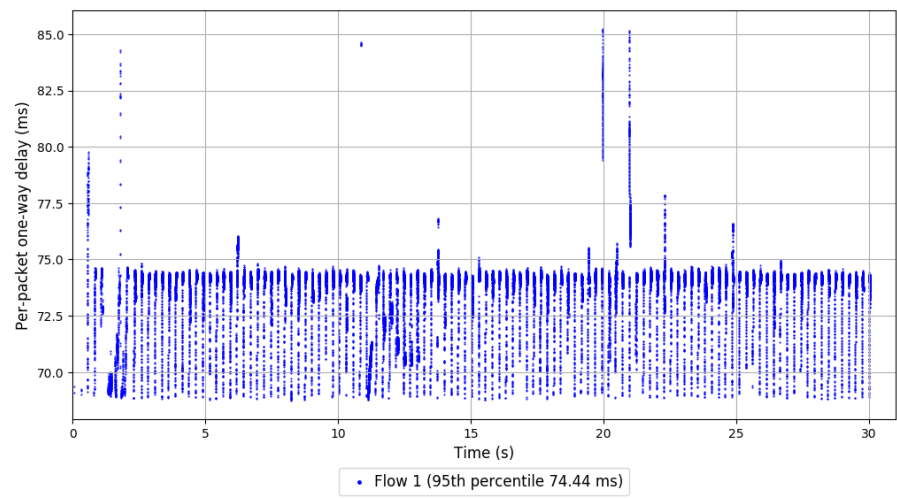
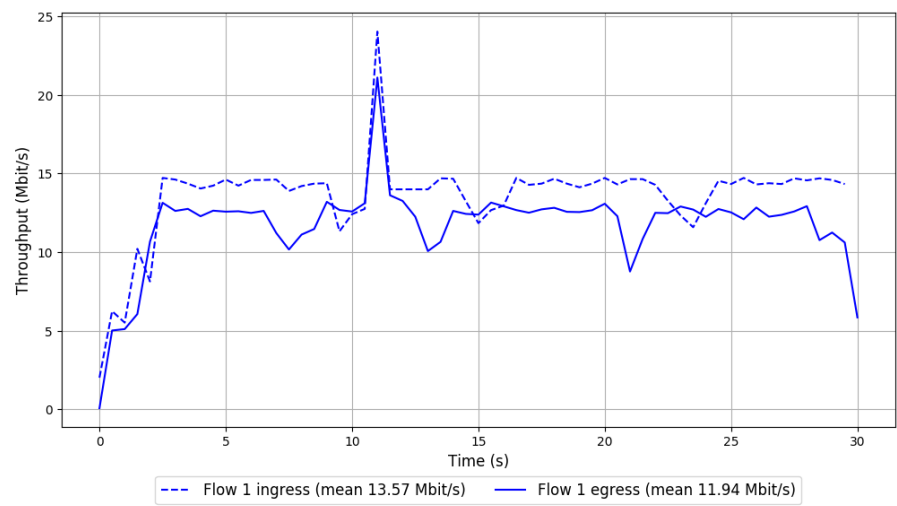
-- Flow 1:

Average throughput: 11.94 Mbit/s

95th percentile per-packet one-way delay: 74.439 ms

Loss rate: 12.00%

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



Run 4: Statistics of TaoVA-100x

Start at: Mon, 24 Jul 2017 21:14:09 +0000

End at: Mon, 24 Jul 2017 21:14:39 +0000

Local clock offset: -1.061 ms

Remote clock offset: 7.194 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.39 Mbit/s

95th percentile per-packet one-way delay: 74.583 ms

Loss rate: 6.90%

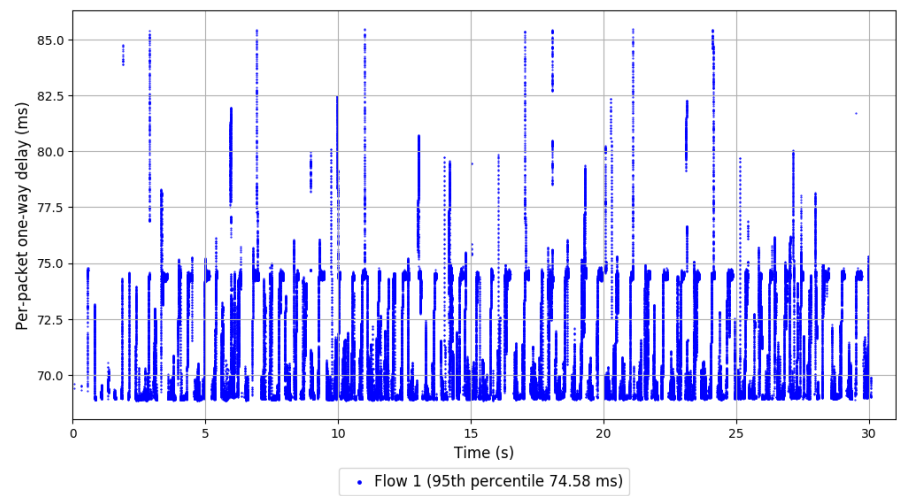
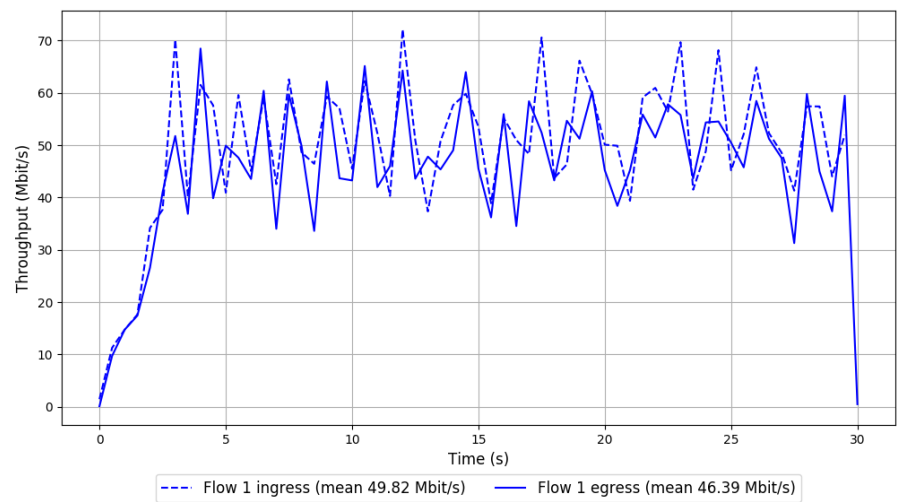
-- Flow 1:

Average throughput: 46.39 Mbit/s

95th percentile per-packet one-way delay: 74.583 ms

Loss rate: 6.90%

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



Run 5: Statistics of TaoVA-100x

Start at: Mon, 24 Jul 2017 21:33:26 +0000

End at: Mon, 24 Jul 2017 21:33:56 +0000

Local clock offset: 0.305 ms

Remote clock offset: 6.643 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:41 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.13 Mbit/s

95th percentile per-packet one-way delay: 73.366 ms

Loss rate: 6.73%

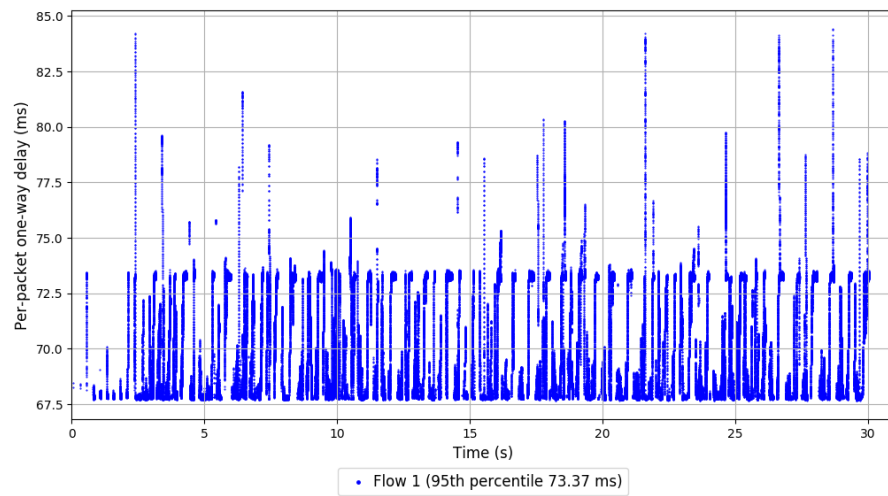
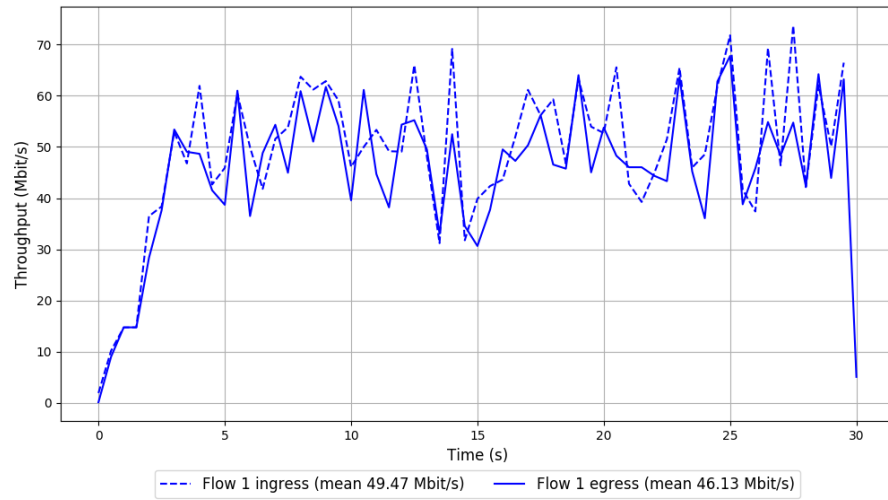
-- Flow 1:

Average throughput: 46.13 Mbit/s

95th percentile per-packet one-way delay: 73.366 ms

Loss rate: 6.73%

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



Run 6: Statistics of TaoVA-100x

Start at: Mon, 24 Jul 2017 21:54:26 +0000

End at: Mon, 24 Jul 2017 21:54:56 +0000

Local clock offset: -0.537 ms

Remote clock offset: 7.391 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:53 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.22 Mbit/s

95th percentile per-packet one-way delay: 77.275 ms

Loss rate: 5.85%

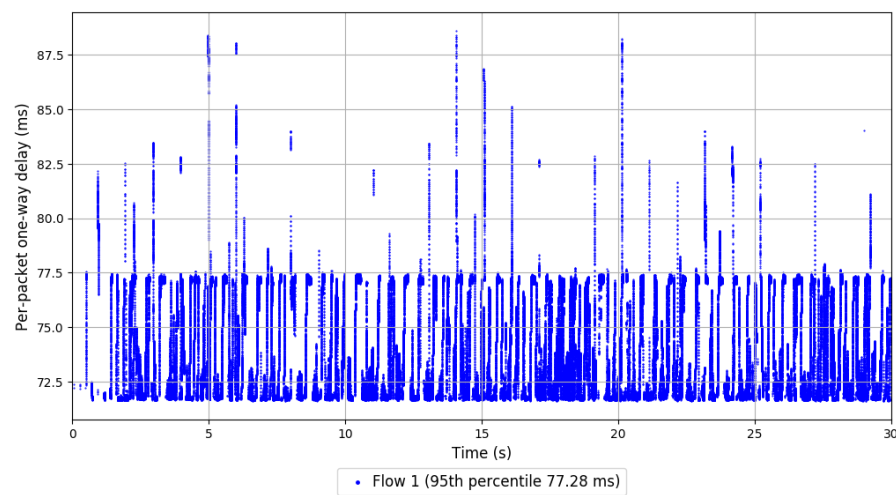
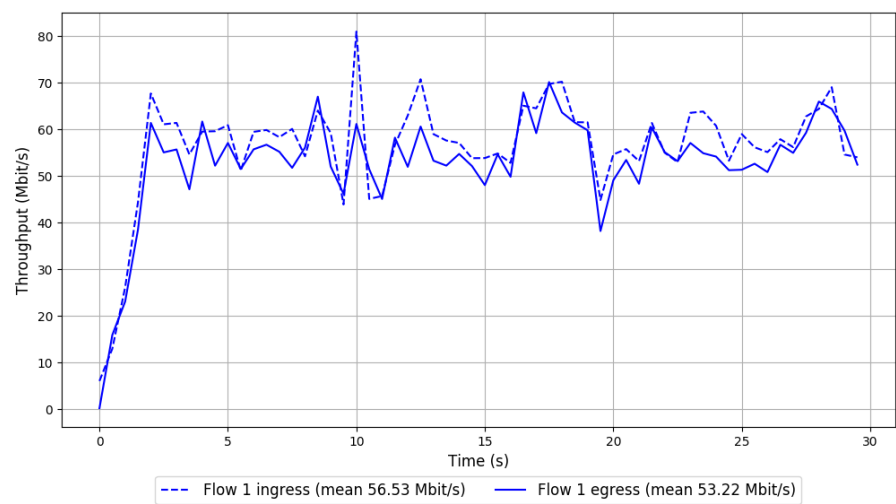
-- Flow 1:

Average throughput: 53.22 Mbit/s

95th percentile per-packet one-way delay: 77.275 ms

Loss rate: 5.85%

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



Run 7: Statistics of TaoVA-100x

Start at: Mon, 24 Jul 2017 22:13:32 +0000

End at: Mon, 24 Jul 2017 22:14:02 +0000

Local clock offset: -0.315 ms

Remote clock offset: 8.227 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:40:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.77 Mbit/s

95th percentile per-packet one-way delay: 74.510 ms

Loss rate: 6.33%

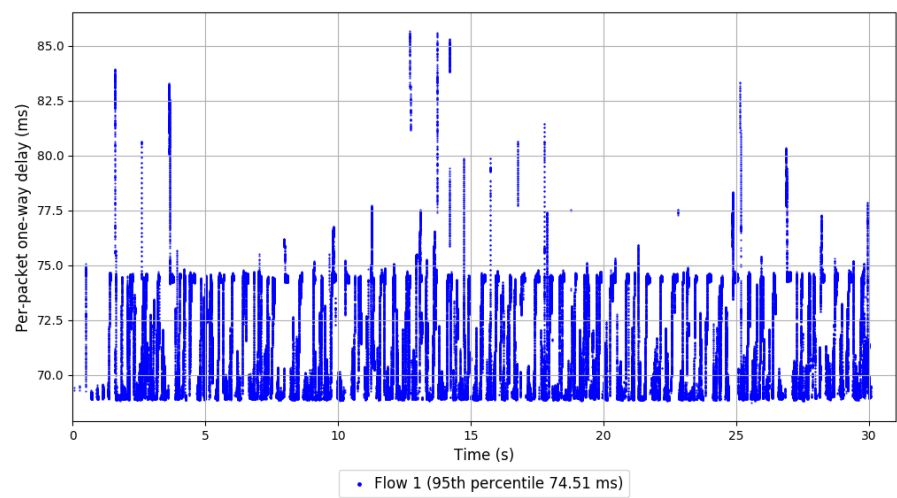
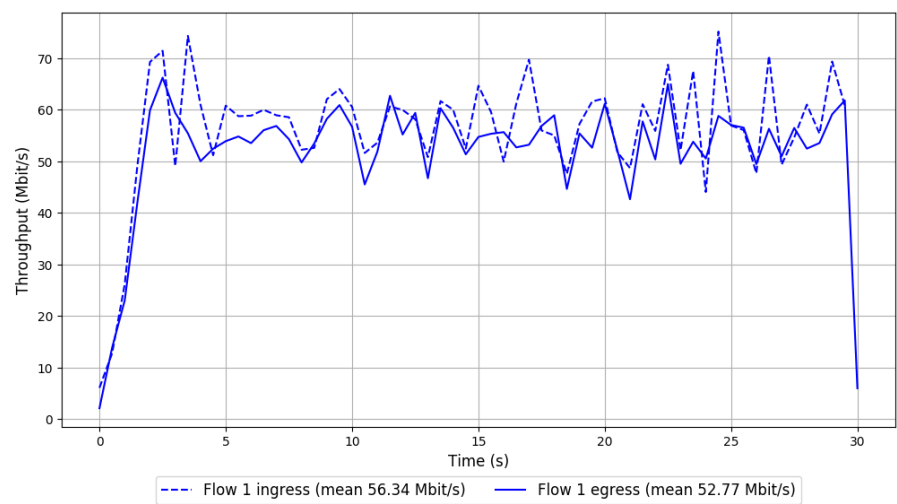
-- Flow 1:

Average throughput: 52.77 Mbit/s

95th percentile per-packet one-way delay: 74.510 ms

Loss rate: 6.33%

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



Run 8: Statistics of TaoVA-100x

Start at: Mon, 24 Jul 2017 22:33:30 +0000

End at: Mon, 24 Jul 2017 22:34:00 +0000

Local clock offset: 1.088 ms

Remote clock offset: 51.949 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.32 Mbit/s

95th percentile per-packet one-way delay: 119.020 ms

Loss rate: 6.33%

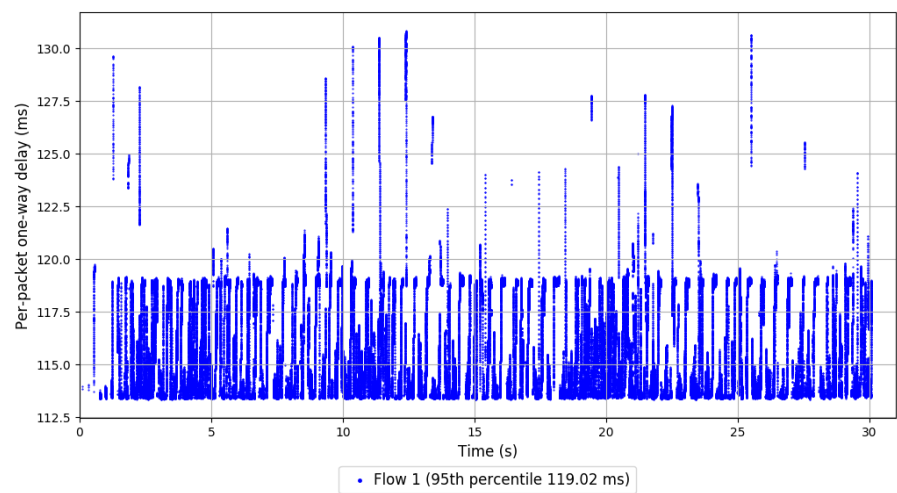
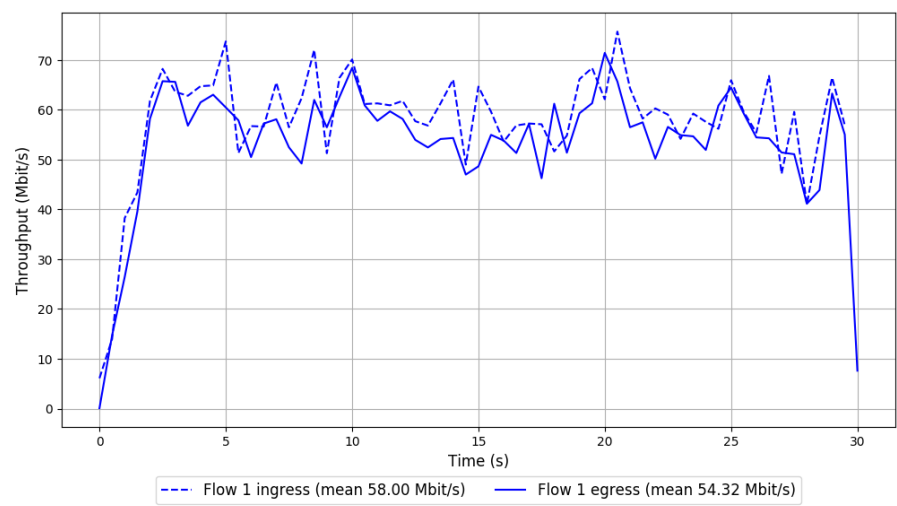
-- Flow 1:

Average throughput: 54.32 Mbit/s

95th percentile per-packet one-way delay: 119.020 ms

Loss rate: 6.33%

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



Run 9: Statistics of TaoVA-100x

Start at: Mon, 24 Jul 2017 22:52:30 +0000

End at: Mon, 24 Jul 2017 22:53:00 +0000

Local clock offset: -0.047 ms

Remote clock offset: 8.475 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.69 Mbit/s

95th percentile per-packet one-way delay: 74.404 ms

Loss rate: 0.36%

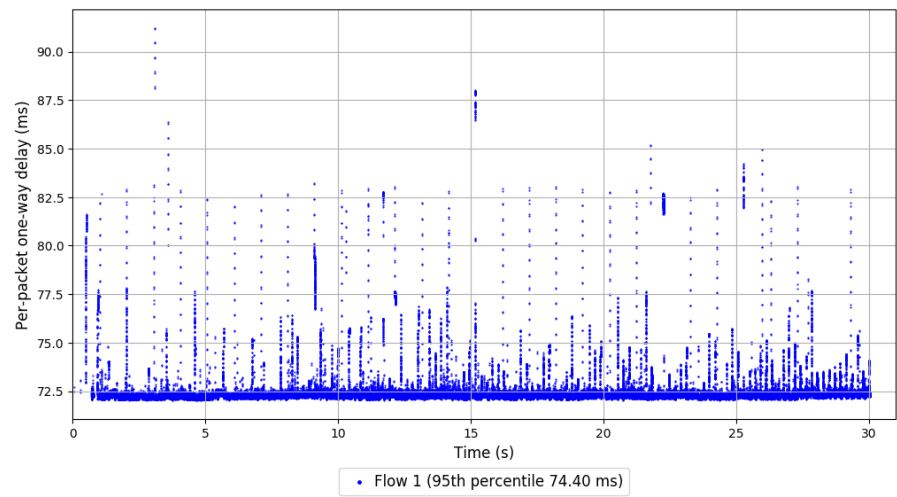
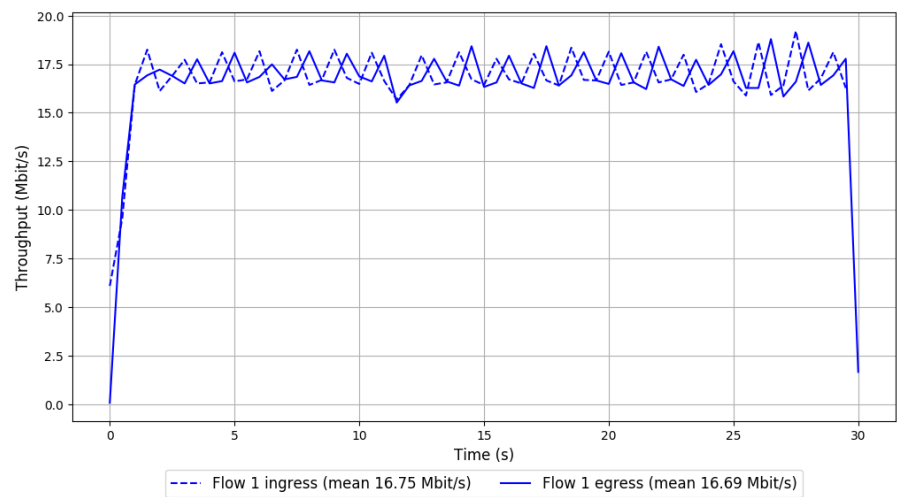
-- Flow 1:

Average throughput: 16.69 Mbit/s

95th percentile per-packet one-way delay: 74.404 ms

Loss rate: 0.36%

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



Run 10: Statistics of TaoVA-100x

Start at: Mon, 24 Jul 2017 23:11:27 +0000

End at: Mon, 24 Jul 2017 23:11:57 +0000

Local clock offset: 1.179 ms

Remote clock offset: 7.778 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.59 Mbit/s

95th percentile per-packet one-way delay: 76.092 ms

Loss rate: 6.34%

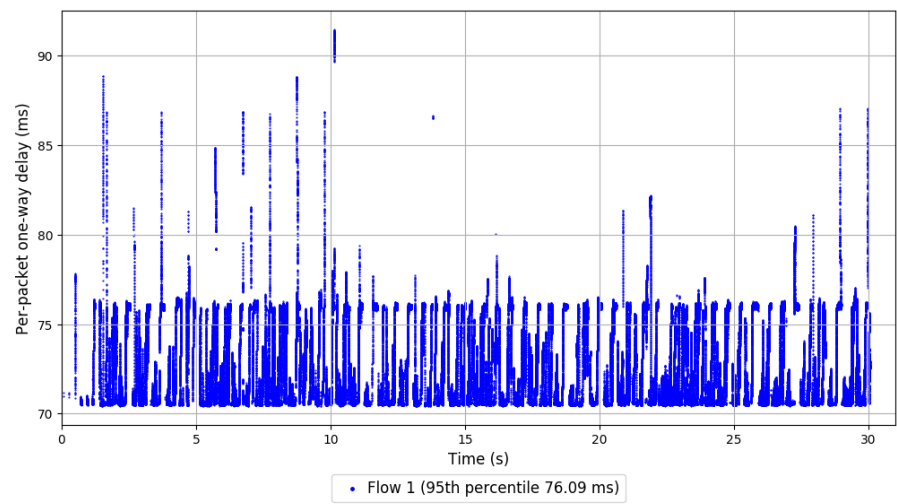
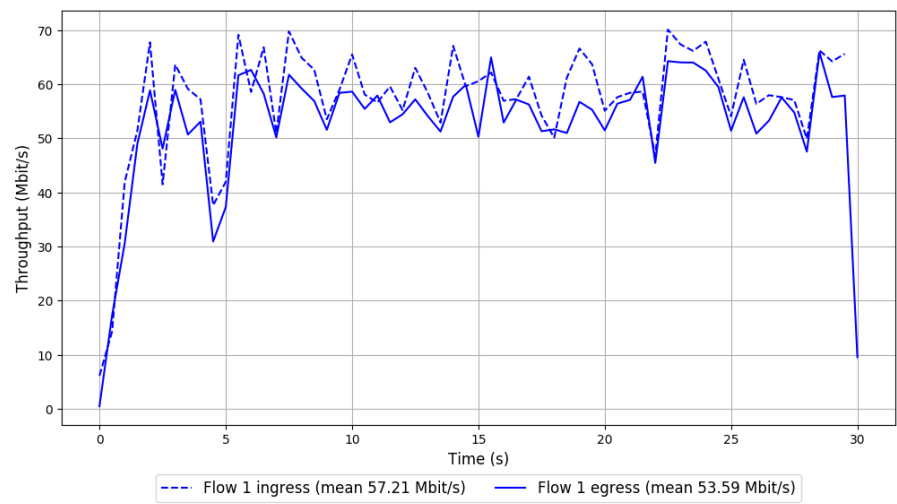
-- Flow 1:

Average throughput: 53.59 Mbit/s

95th percentile per-packet one-way delay: 76.092 ms

Loss rate: 6.34%

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



Run 1: Statistics of TCP Vegas

Start at: Mon, 24 Jul 2017 20:09:09 +0000

End at: Mon, 24 Jul 2017 20:09:39 +0000

Local clock offset: -1.402 ms

Remote clock offset: 5.405 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 82.201 ms

Loss rate: 7.18%

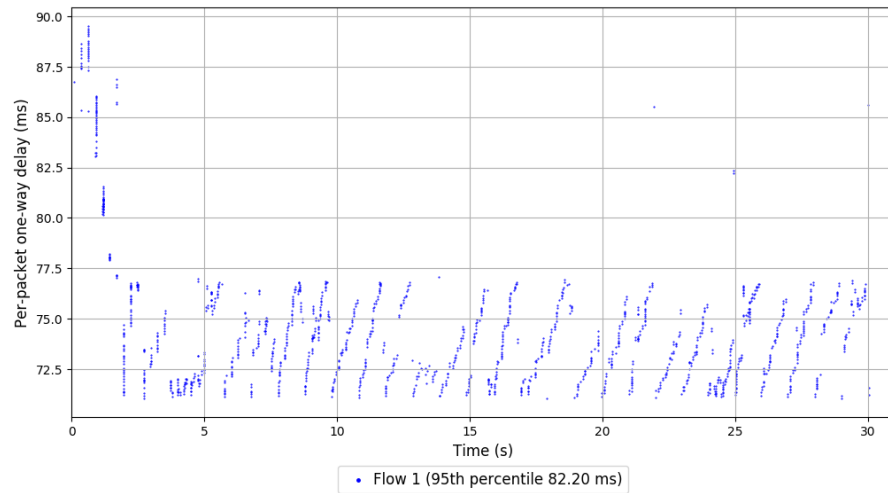
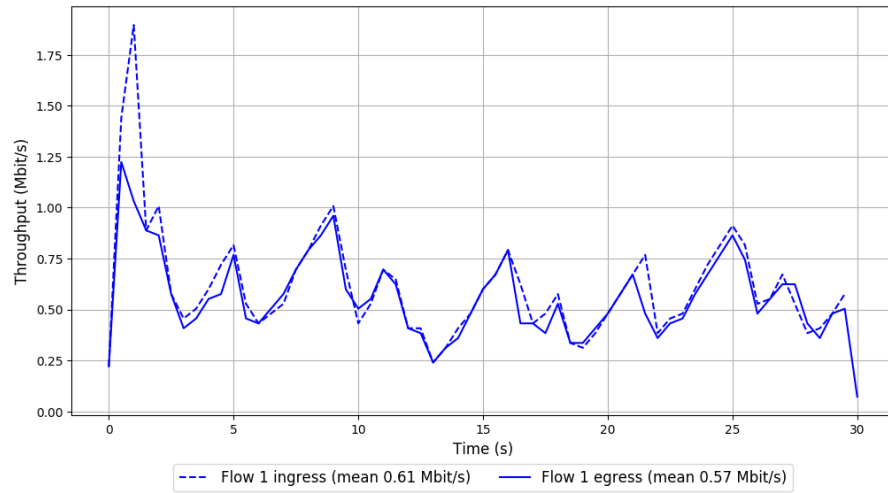
-- Flow 1:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 82.201 ms

Loss rate: 7.18%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Mon, 24 Jul 2017 20:28:18 +0000

End at: Mon, 24 Jul 2017 20:28:49 +0000

Local clock offset: -1.337 ms

Remote clock offset: 8.785 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 77.197 ms

Loss rate: 1.26%

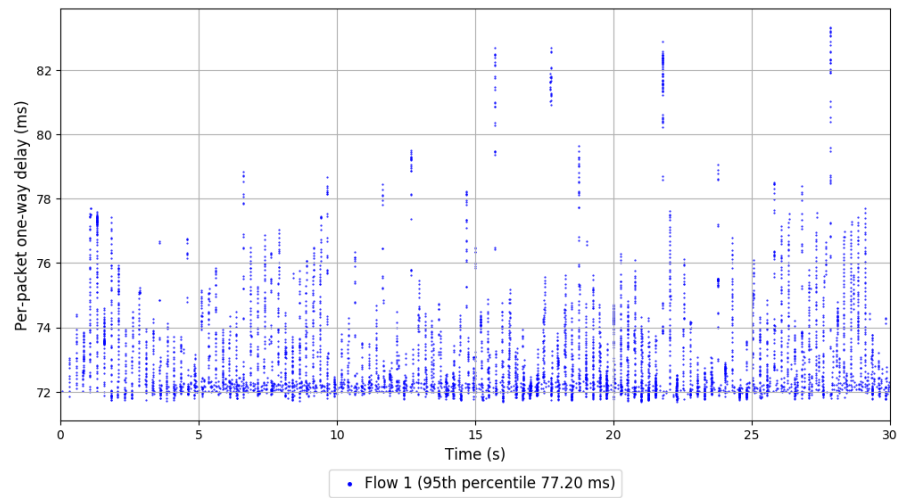
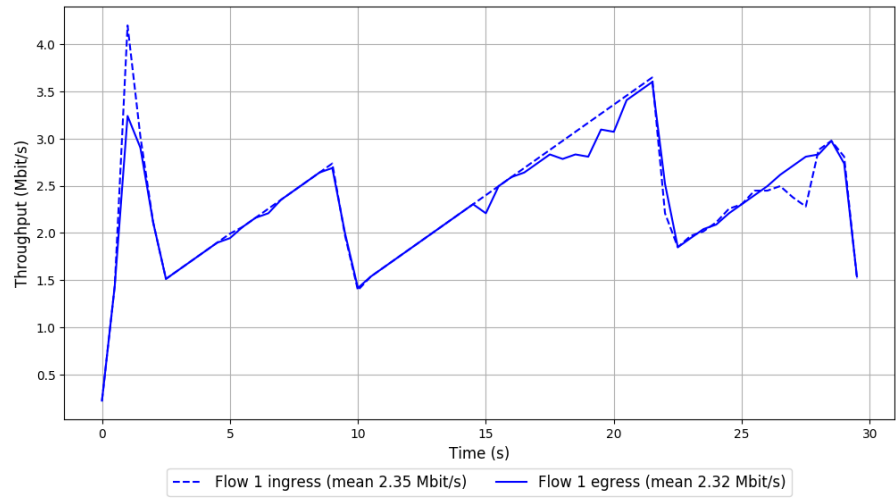
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 77.197 ms

Loss rate: 1.26%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

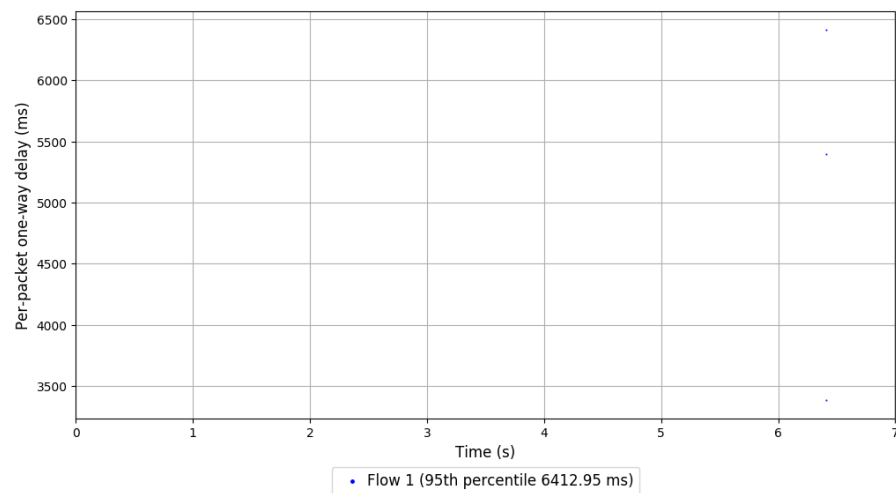
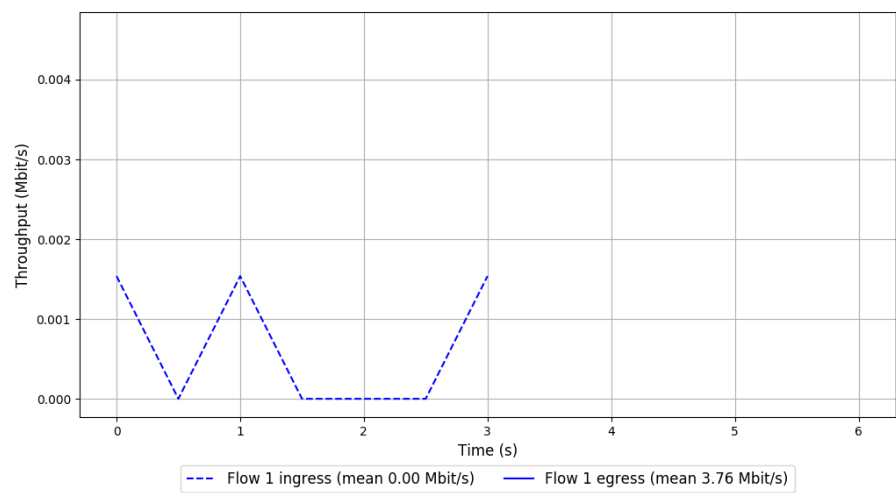
Start at: Mon, 24 Jul 2017 20:47:21 +0000

End at: Mon, 24 Jul 2017 20:47:51 +0000

Local clock offset: -1.242 ms

Remote clock offset: 8.252 ms

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Mon, 24 Jul 2017 21:06:32 +0000

End at: Mon, 24 Jul 2017 21:07:02 +0000

Local clock offset: 0.063 ms

Remote clock offset: 7.572 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 72.984 ms

Loss rate: 0.35%

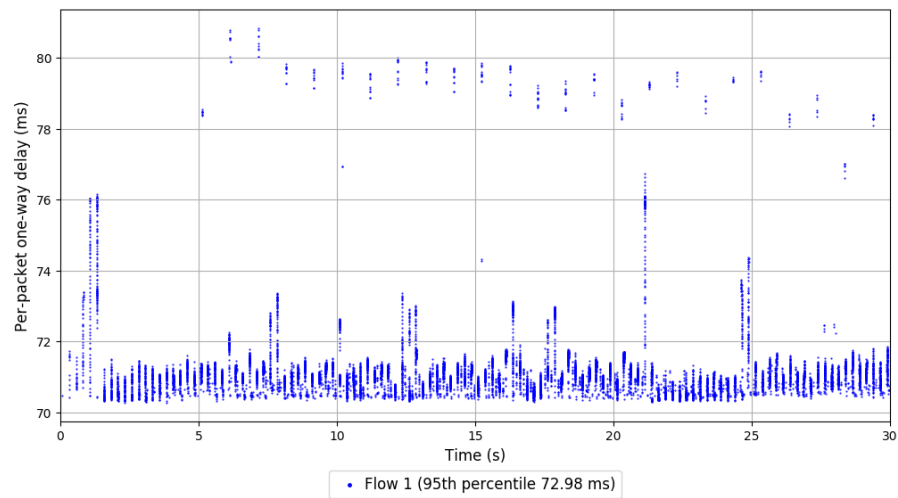
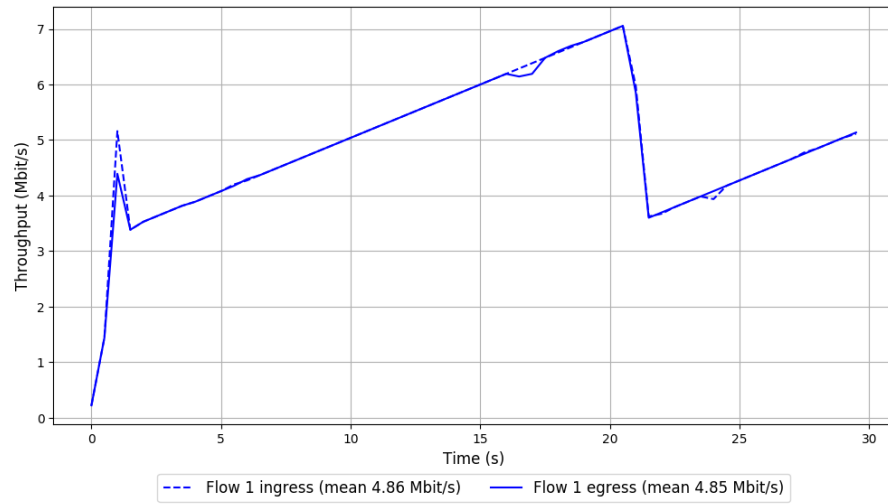
-- Flow 1:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 72.984 ms

Loss rate: 0.35%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Mon, 24 Jul 2017 21:25:48 +0000

End at: Mon, 24 Jul 2017 21:26:18 +0000

Local clock offset: 0.282 ms

Remote clock offset: 6.683 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.35 Mbit/s

95th percentile per-packet one-way delay: 69.828 ms

Loss rate: 0.50%

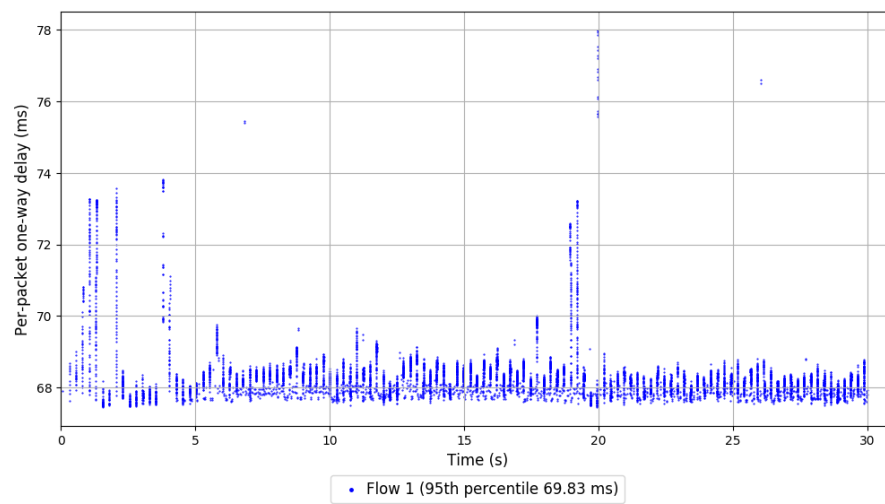
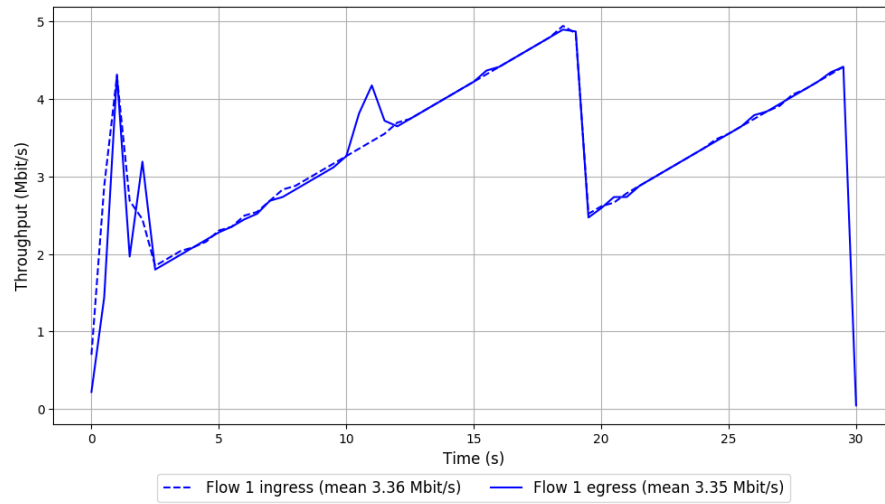
-- Flow 1:

Average throughput: 3.35 Mbit/s

95th percentile per-packet one-way delay: 69.828 ms

Loss rate: 0.50%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Mon, 24 Jul 2017 21:46:23 +0000

End at: Mon, 24 Jul 2017 21:46:53 +0000

Local clock offset: -0.75 ms

Remote clock offset: 7.005 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.11 Mbit/s

95th percentile per-packet one-way delay: 70.400 ms

Loss rate: 0.00%

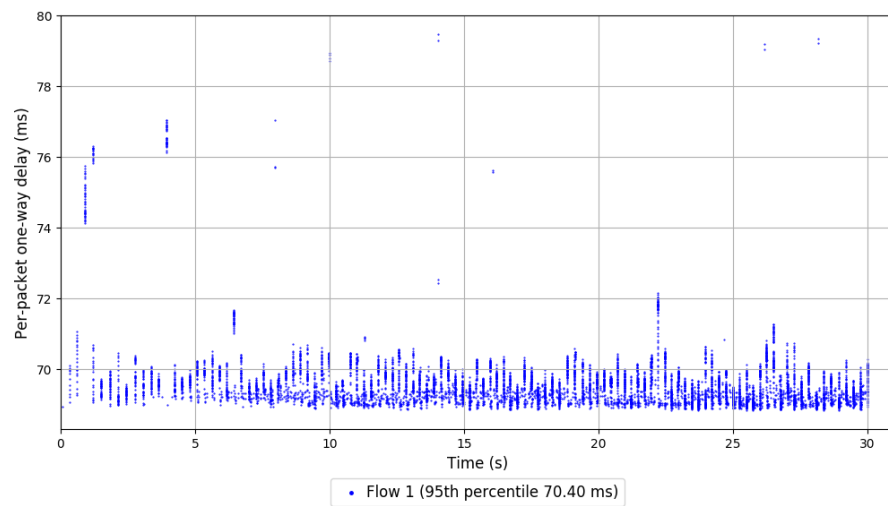
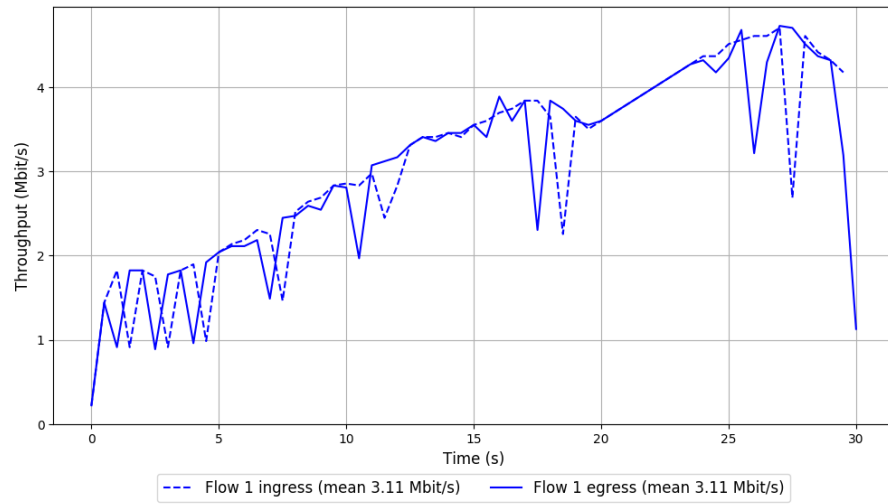
-- Flow 1:

Average throughput: 3.11 Mbit/s

95th percentile per-packet one-way delay: 70.400 ms

Loss rate: 0.00%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Mon, 24 Jul 2017 22:06:02 +0000

End at: Mon, 24 Jul 2017 22:06:32 +0000

Local clock offset: -0.414 ms

Remote clock offset: 7.758 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.26 Mbit/s

95th percentile per-packet one-way delay: 74.490 ms

Loss rate: 0.66%

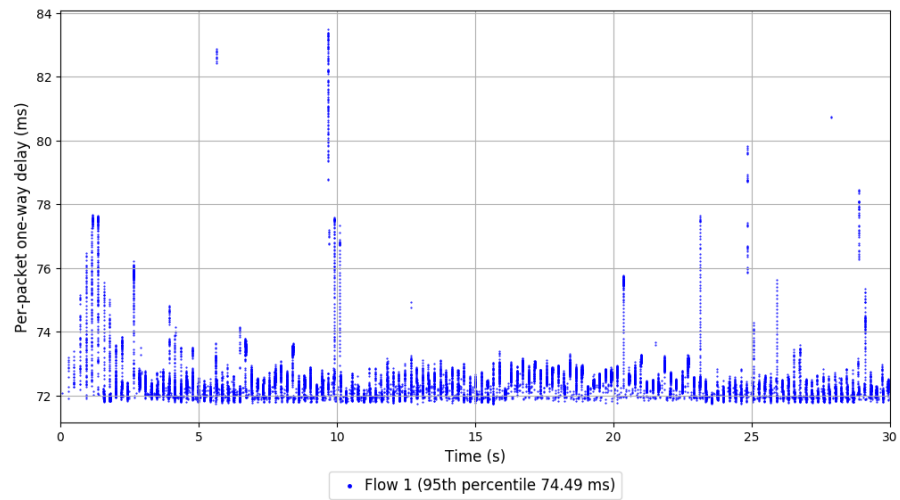
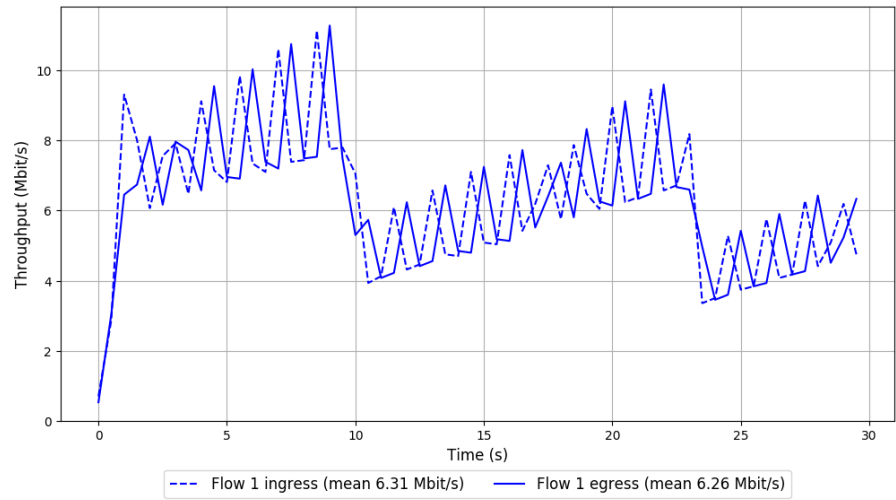
-- Flow 1:

Average throughput: 6.26 Mbit/s

95th percentile per-packet one-way delay: 74.490 ms

Loss rate: 0.66%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Mon, 24 Jul 2017 22:25:54 +0000

End at: Mon, 24 Jul 2017 22:26:24 +0000

Local clock offset: -0.224 ms

Remote clock offset: 8.806 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.93 Mbit/s

95th percentile per-packet one-way delay: 71.429 ms

Loss rate: 0.77%

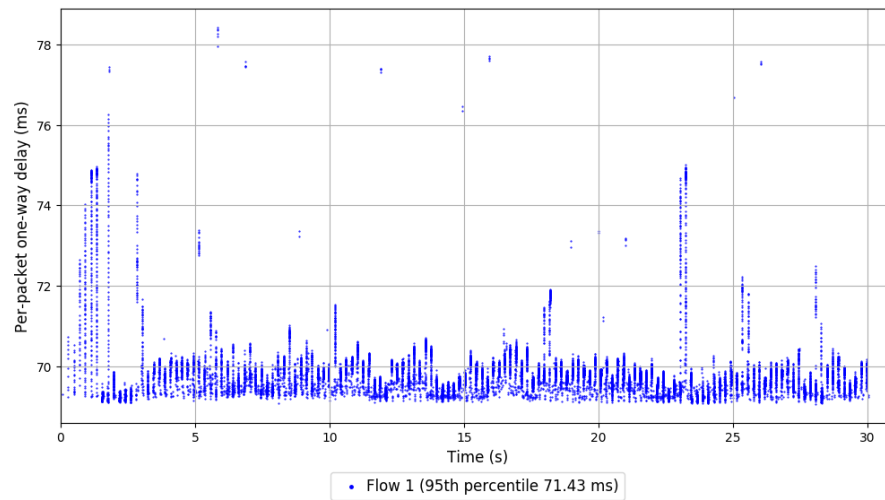
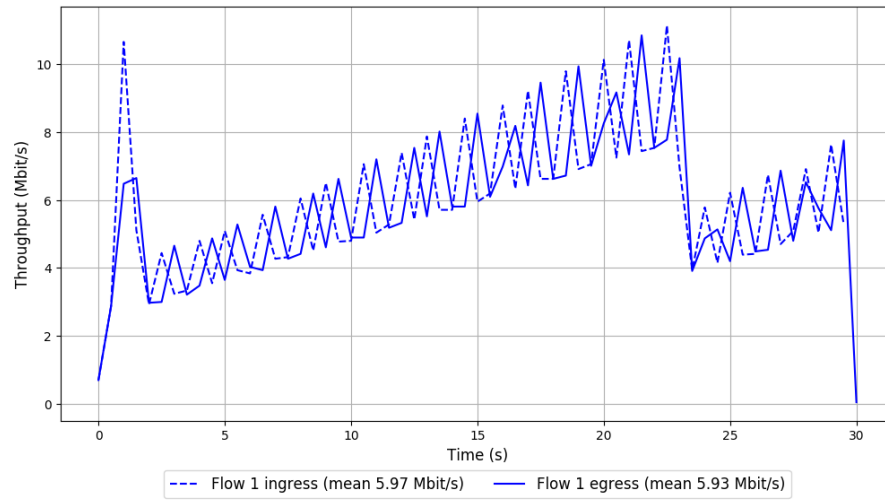
-- Flow 1:

Average throughput: 5.93 Mbit/s

95th percentile per-packet one-way delay: 71.429 ms

Loss rate: 0.77%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Mon, 24 Jul 2017 22:44:59 +0000

End at: Mon, 24 Jul 2017 22:45:29 +0000

Local clock offset: 1.246 ms

Remote clock offset: 8.742 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 72.634 ms

Loss rate: 0.53%

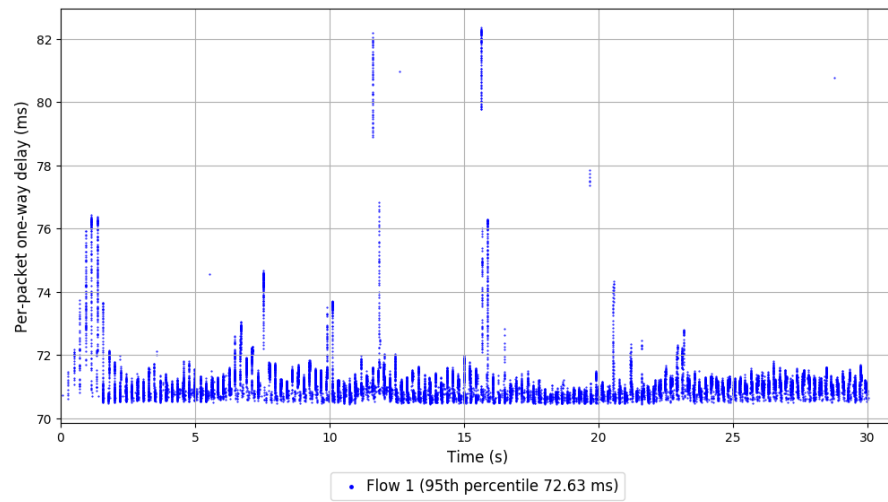
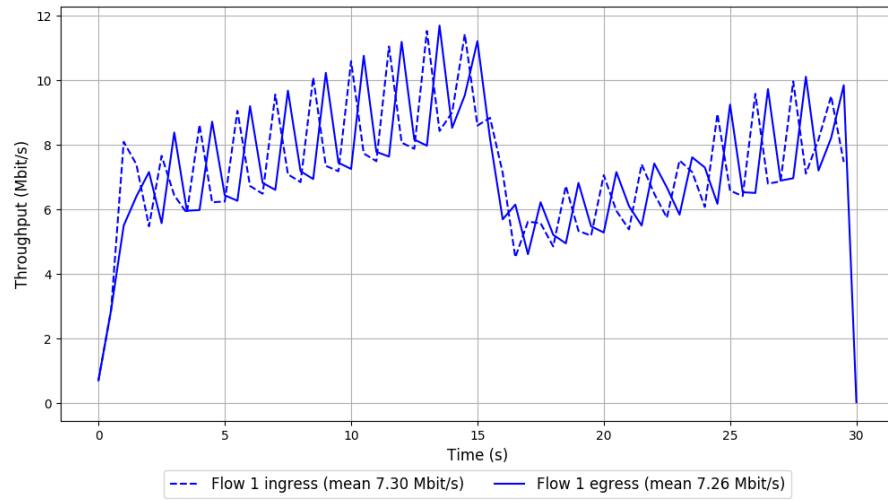
-- Flow 1:

Average throughput: 7.26 Mbit/s

95th percentile per-packet one-way delay: 72.634 ms

Loss rate: 0.53%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Mon, 24 Jul 2017 23:03:57 +0000

End at: Mon, 24 Jul 2017 23:04:27 +0000

Local clock offset: 1.236 ms

Remote clock offset: 8.078 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:17 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.53 Mbit/s

95th percentile per-packet one-way delay: 71.083 ms

Loss rate: 0.95%

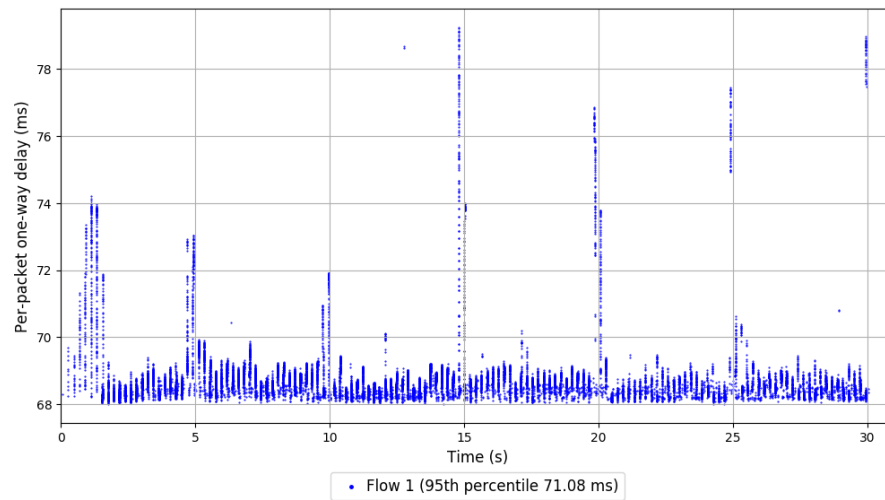
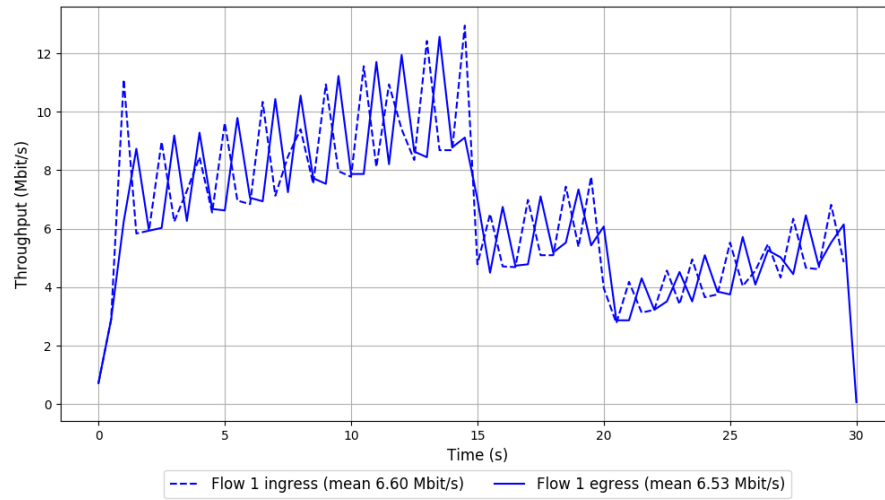
-- Flow 1:

Average throughput: 6.53 Mbit/s

95th percentile per-packet one-way delay: 71.083 ms

Loss rate: 0.95%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Mon, 24 Jul 2017 20:19:19 +0000

End at: Mon, 24 Jul 2017 20:19:49 +0000

Local clock offset: -0.086 ms

Remote clock offset: 5.954 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:28 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.62 Mbit/s

95th percentile per-packet one-way delay: 77.070 ms

Loss rate: 78.39%

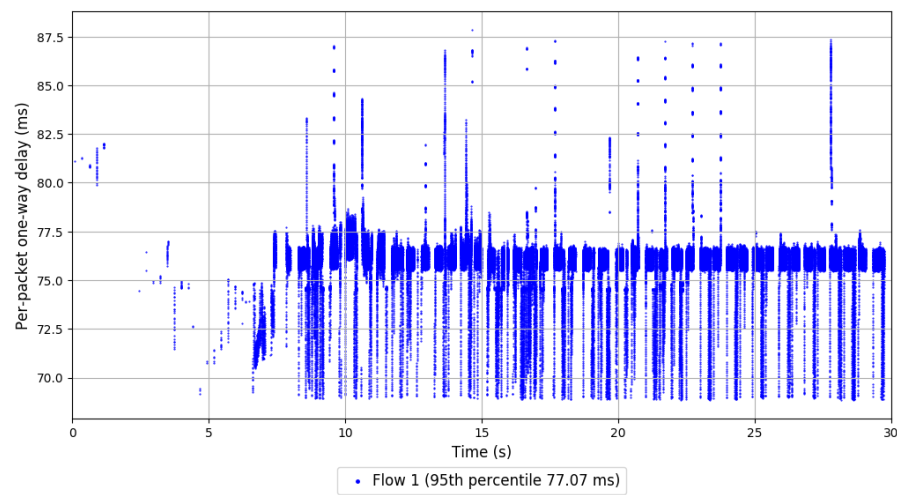
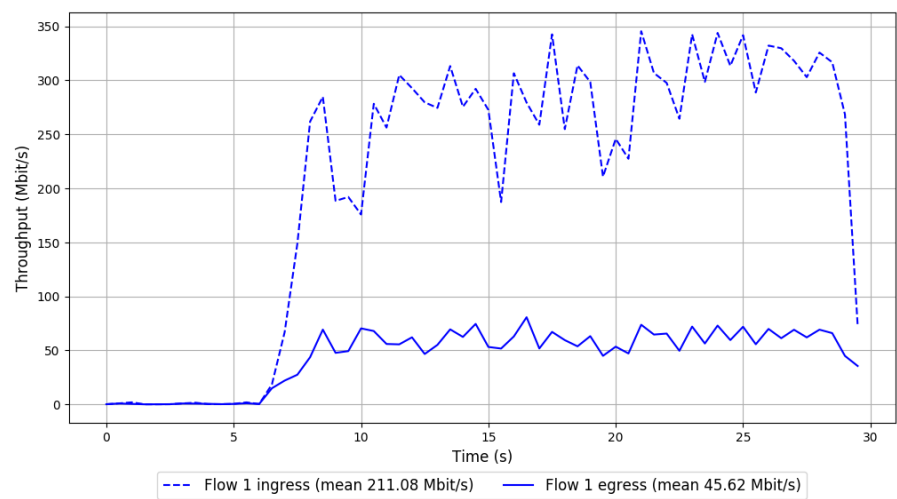
-- Flow 1:

Average throughput: 45.62 Mbit/s

95th percentile per-packet one-way delay: 77.070 ms

Loss rate: 78.39%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Mon, 24 Jul 2017 20:38:28 +0000

End at: Mon, 24 Jul 2017 20:38:58 +0000

Local clock offset: -0.03 ms

Remote clock offset: 8.86 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:28 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.10 Mbit/s

95th percentile per-packet one-way delay: 78.198 ms

Loss rate: 49.05%

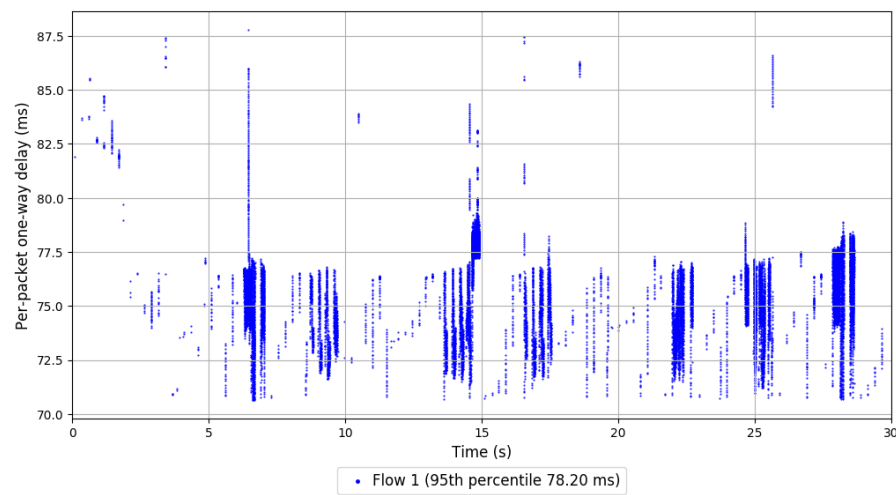
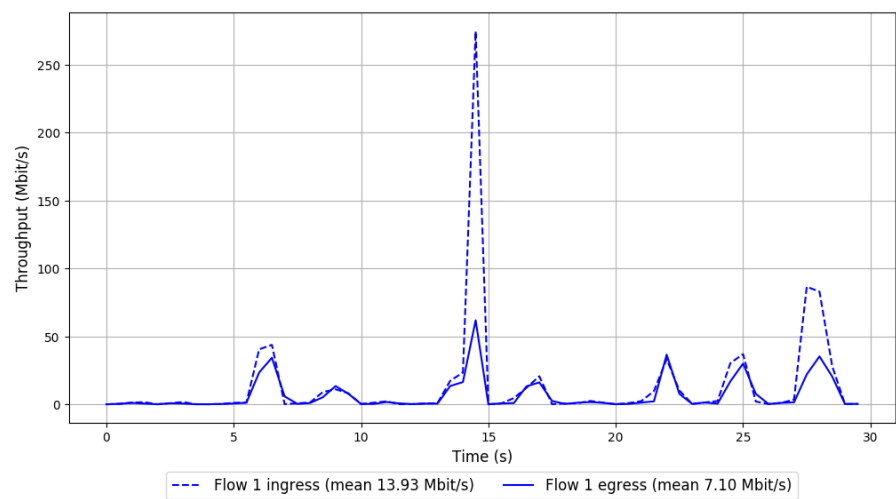
-- Flow 1:

Average throughput: 7.10 Mbit/s

95th percentile per-packet one-way delay: 78.198 ms

Loss rate: 49.05%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Mon, 24 Jul 2017 20:57:35 +0000

End at: Mon, 24 Jul 2017 20:58:05 +0000

Local clock offset: -1.138 ms

Remote clock offset: 8.034 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:28 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.98 Mbit/s

95th percentile per-packet one-way delay: 79.246 ms

Loss rate: 47.33%

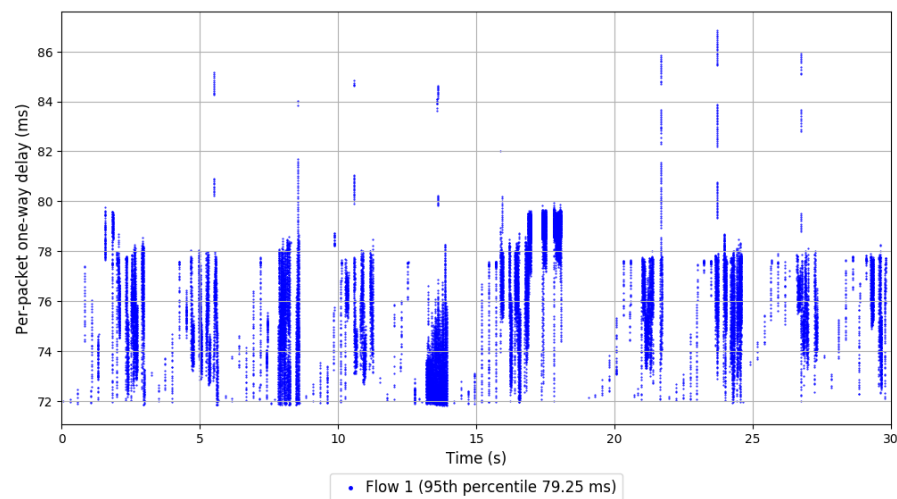
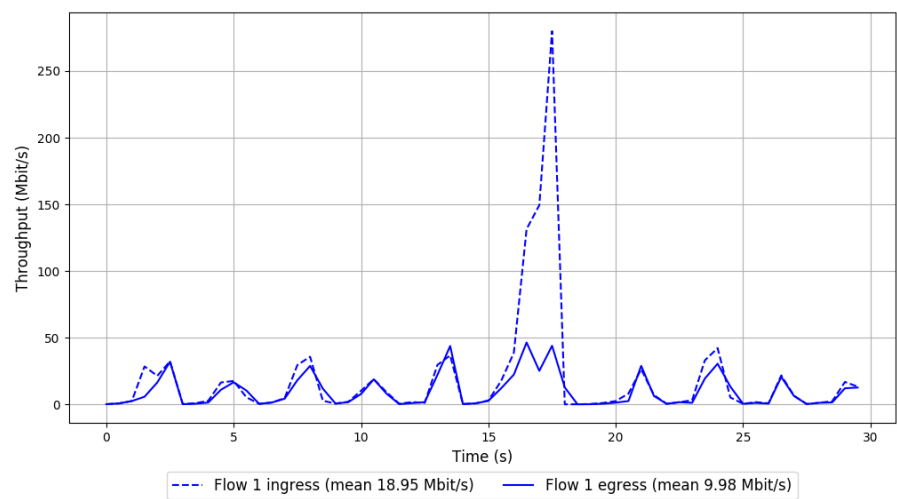
-- Flow 1:

Average throughput: 9.98 Mbit/s

95th percentile per-packet one-way delay: 79.246 ms

Loss rate: 47.33%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Mon, 24 Jul 2017 21:16:47 +0000

End at: Mon, 24 Jul 2017 21:17:17 +0000

Local clock offset: 0.338 ms

Remote clock offset: 7.04 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:28 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.01 Mbit/s

95th percentile per-packet one-way delay: 77.671 ms

Loss rate: 35.81%

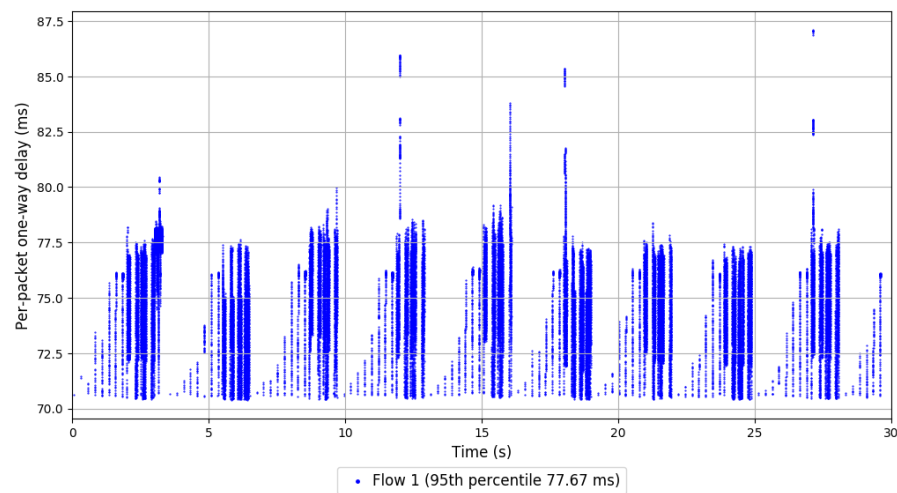
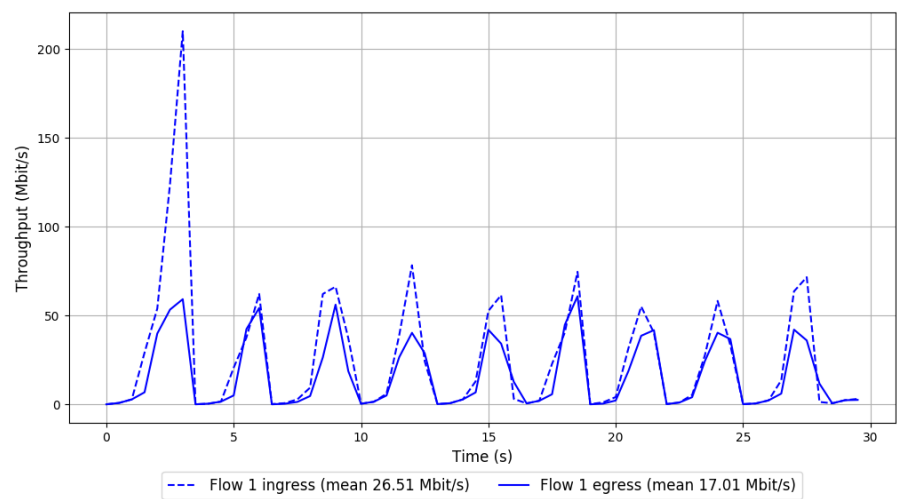
-- Flow 1:

Average throughput: 17.01 Mbit/s

95th percentile per-packet one-way delay: 77.671 ms

Loss rate: 35.81%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Mon, 24 Jul 2017 21:36:05 +0000

End at: Mon, 24 Jul 2017 21:36:35 +0000

Local clock offset: -0.892 ms

Remote clock offset: 6.715 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:28 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.52 Mbit/s

95th percentile per-packet one-way delay: 78.926 ms

Loss rate: 48.06%

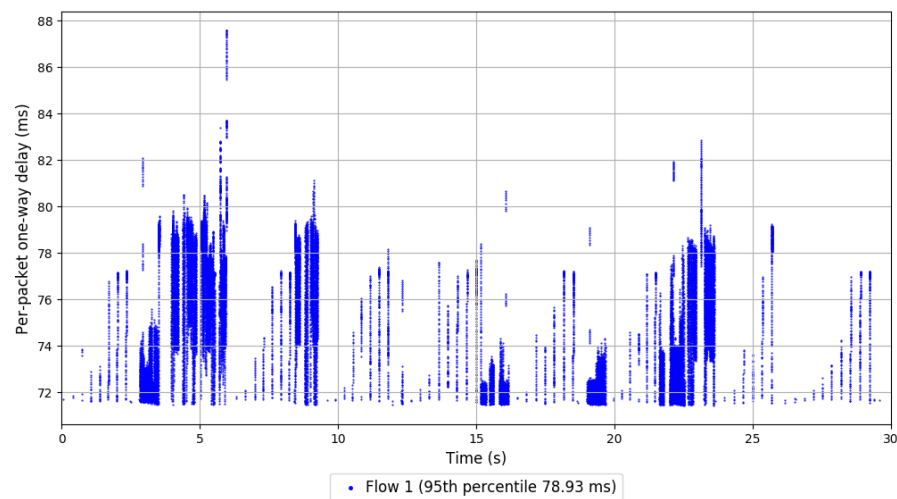
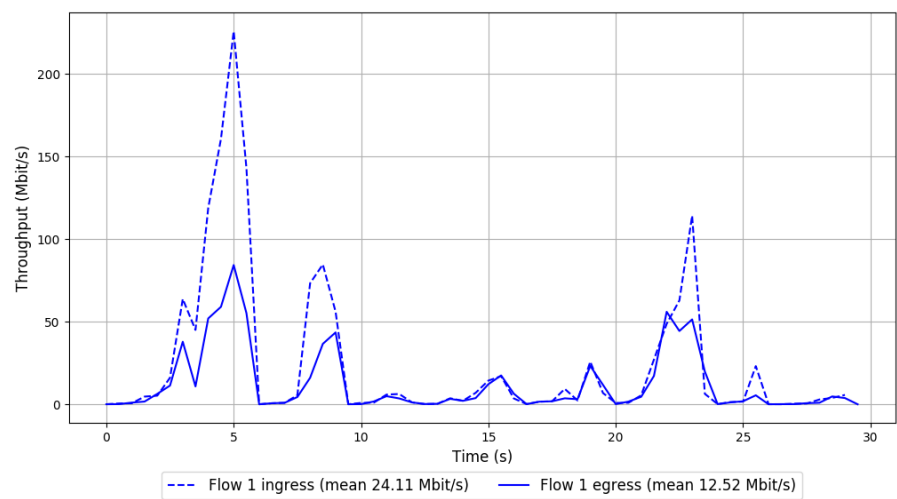
-- Flow 1:

Average throughput: 12.52 Mbit/s

95th percentile per-packet one-way delay: 78.926 ms

Loss rate: 48.06%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Mon, 24 Jul 2017 21:57:02 +0000

End at: Mon, 24 Jul 2017 21:57:32 +0000

Local clock offset: -0.613 ms

Remote clock offset: 7.495 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:32 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.47 Mbit/s

95th percentile per-packet one-way delay: 79.963 ms

Loss rate: 68.28%

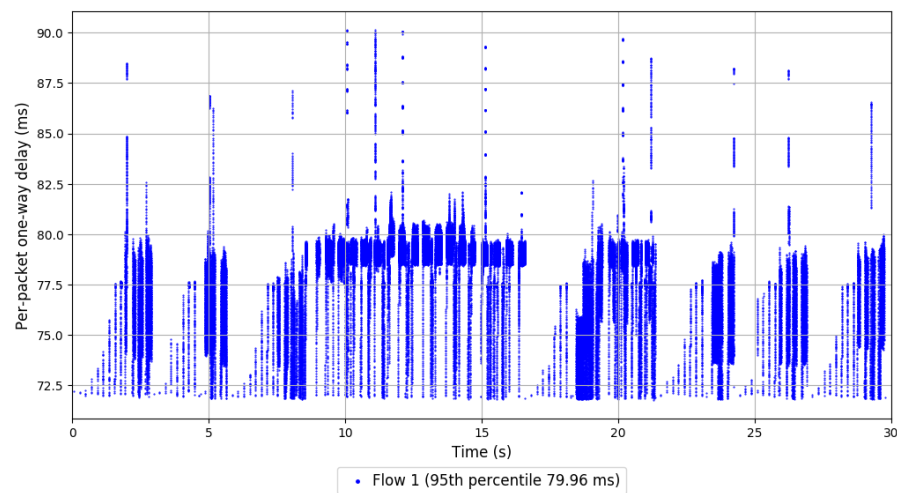
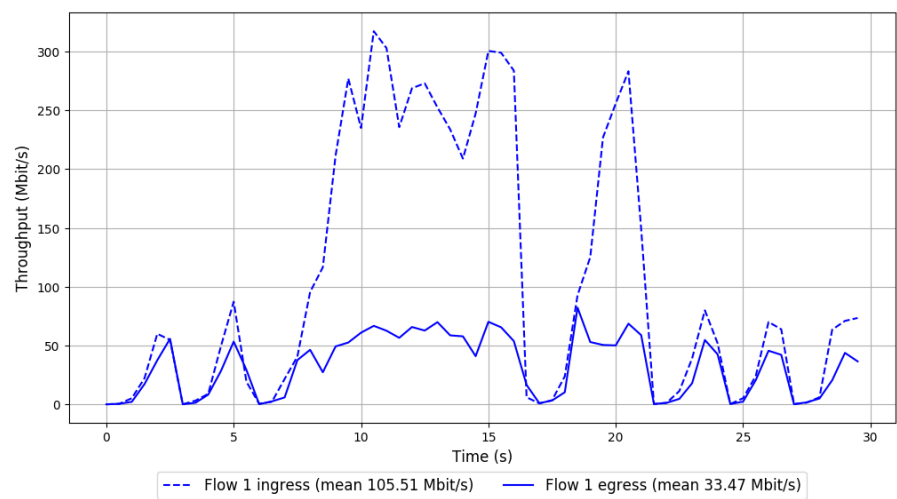
-- Flow 1:

Average throughput: 33.47 Mbit/s

95th percentile per-packet one-way delay: 79.963 ms

Loss rate: 68.28%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Mon, 24 Jul 2017 22:16:07 +0000

End at: Mon, 24 Jul 2017 22:16:37 +0000

Local clock offset: -0.323 ms

Remote clock offset: 8.396 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:42 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.01 Mbit/s

95th percentile per-packet one-way delay: 79.989 ms

Loss rate: 77.97%

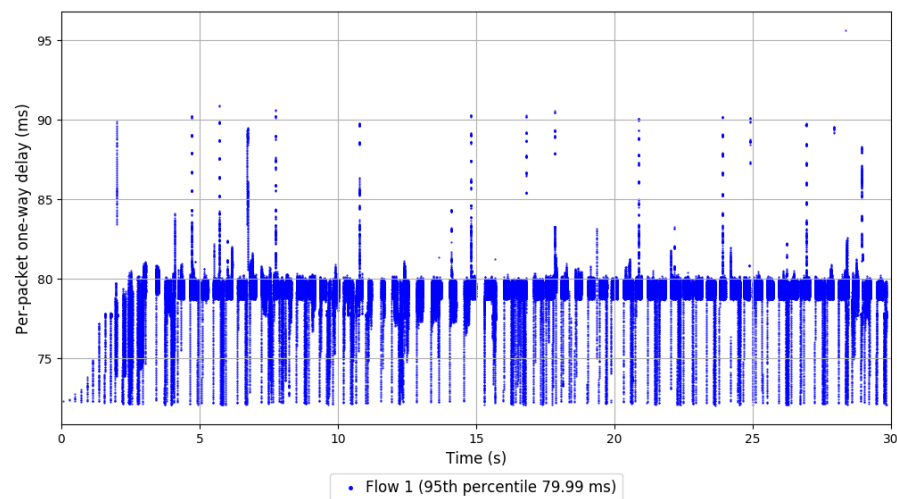
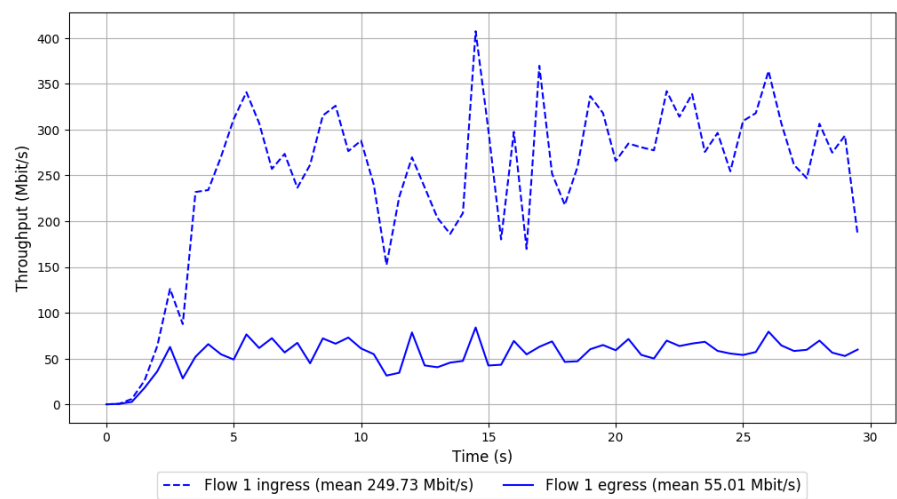
-- Flow 1:

Average throughput: 55.01 Mbit/s

95th percentile per-packet one-way delay: 79.989 ms

Loss rate: 77.97%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Mon, 24 Jul 2017 22:36:05 +0000

End at: Mon, 24 Jul 2017 22:36:35 +0000

Local clock offset: -0.166 ms

Remote clock offset: 8.981 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:42 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.80 Mbit/s

95th percentile per-packet one-way delay: 76.839 ms

Loss rate: 70.21%

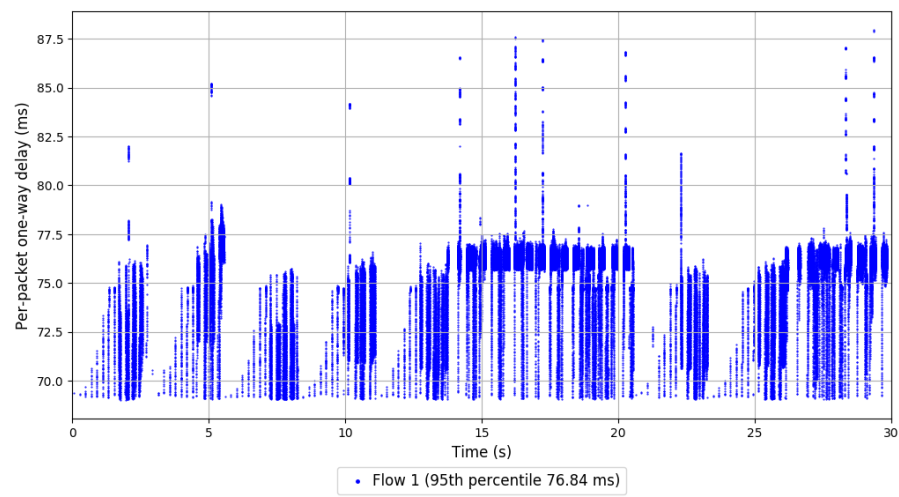
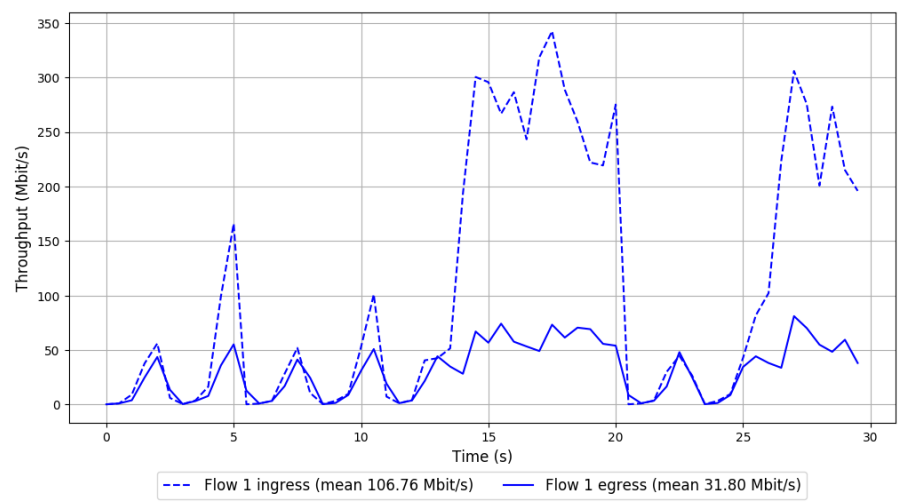
-- Flow 1:

Average throughput: 31.80 Mbit/s

95th percentile per-packet one-way delay: 76.839 ms

Loss rate: 70.21%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Mon, 24 Jul 2017 22:55:05 +0000

End at: Mon, 24 Jul 2017 22:55:35 +0000

Local clock offset: -0.105 ms

Remote clock offset: 8.376 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.23 Mbit/s

95th percentile per-packet one-way delay: 76.772 ms

Loss rate: 59.67%

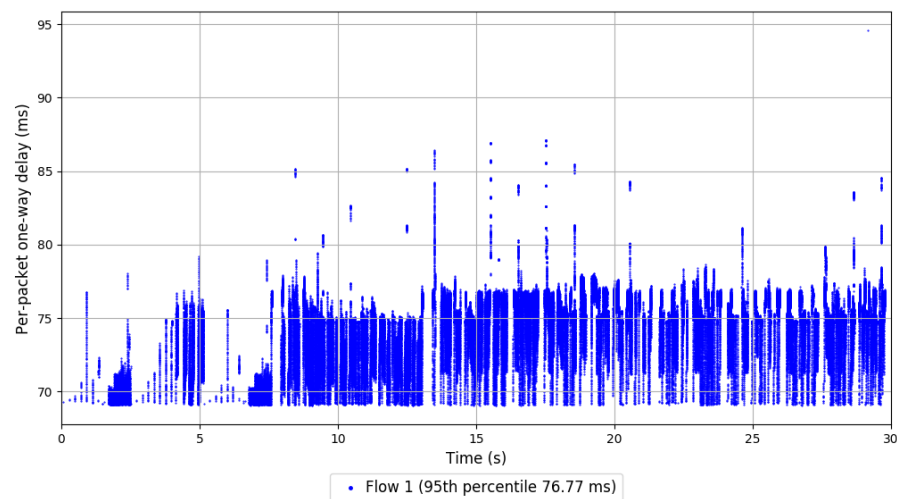
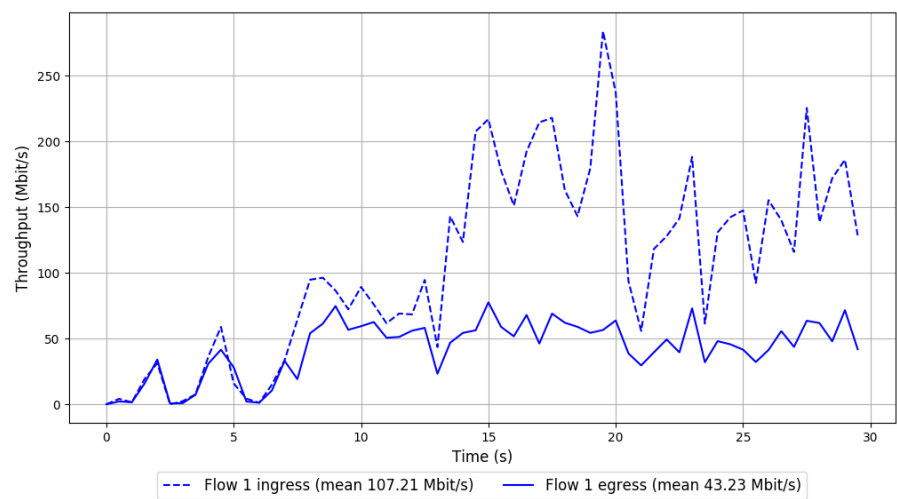
-- Flow 1:

Average throughput: 43.23 Mbit/s

95th percentile per-packet one-way delay: 76.772 ms

Loss rate: 59.67%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Mon, 24 Jul 2017 23:14:02 +0000

End at: Mon, 24 Jul 2017 23:14:32 +0000

Local clock offset: -0.038 ms

Remote clock offset: 7.808 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:47 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.00 Mbit/s

95th percentile per-packet one-way delay: 77.381 ms

Loss rate: 53.18%

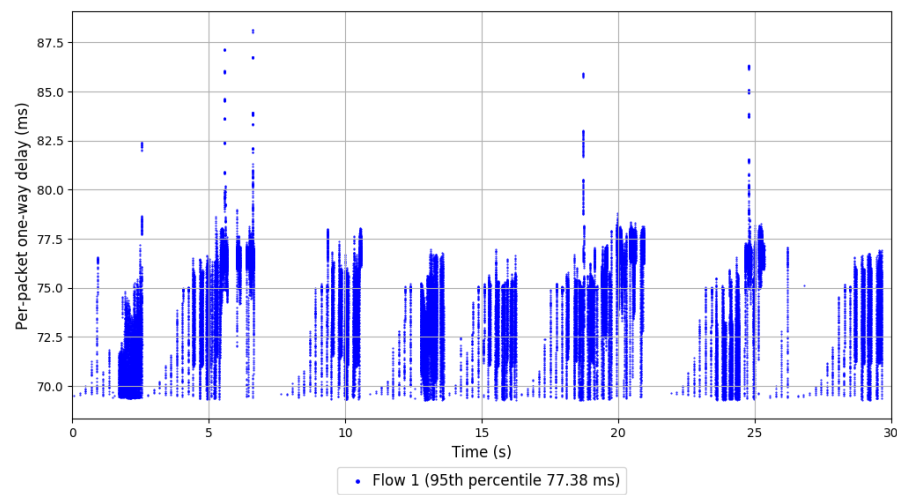
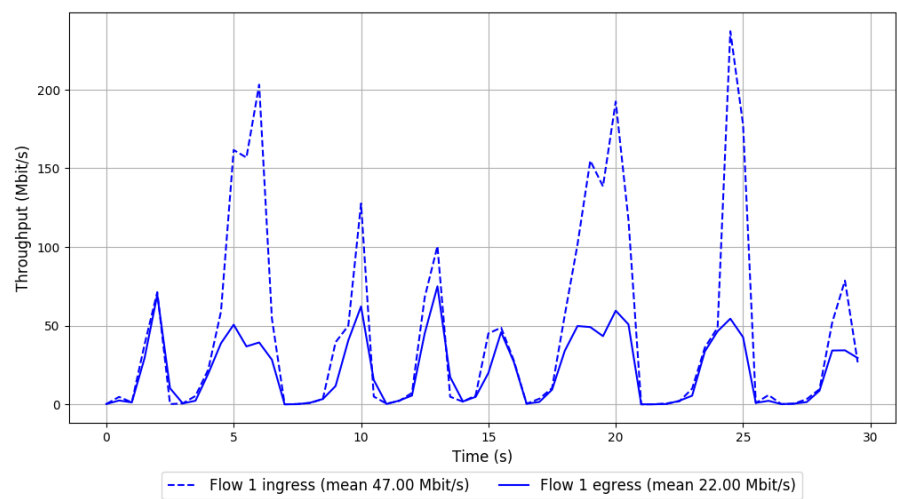
-- Flow 1:

Average throughput: 22.00 Mbit/s

95th percentile per-packet one-way delay: 77.381 ms

Loss rate: 53.18%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 20:02:49 +0000

End at: Mon, 24 Jul 2017 20:03:19 +0000

Local clock offset: -1.373 ms

Remote clock offset: 4.229 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:47 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.90 Mbit/s

95th percentile per-packet one-way delay: 73.382 ms

Loss rate: 3.49%

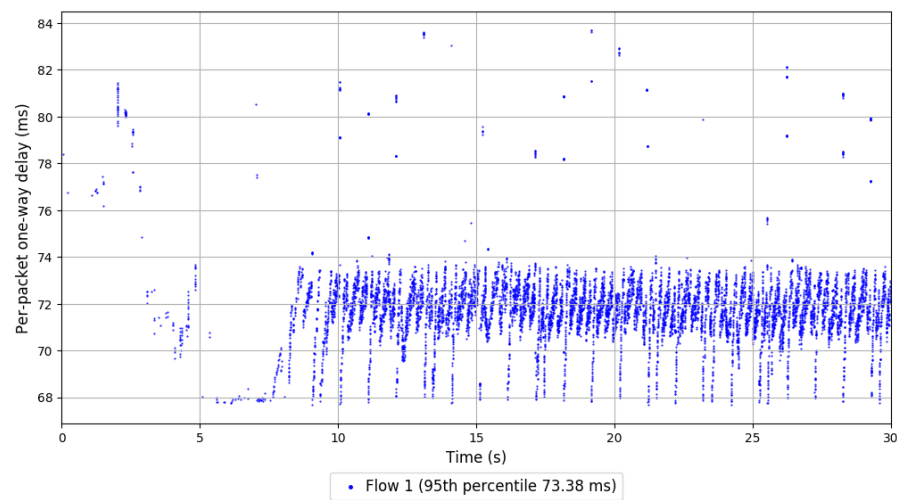
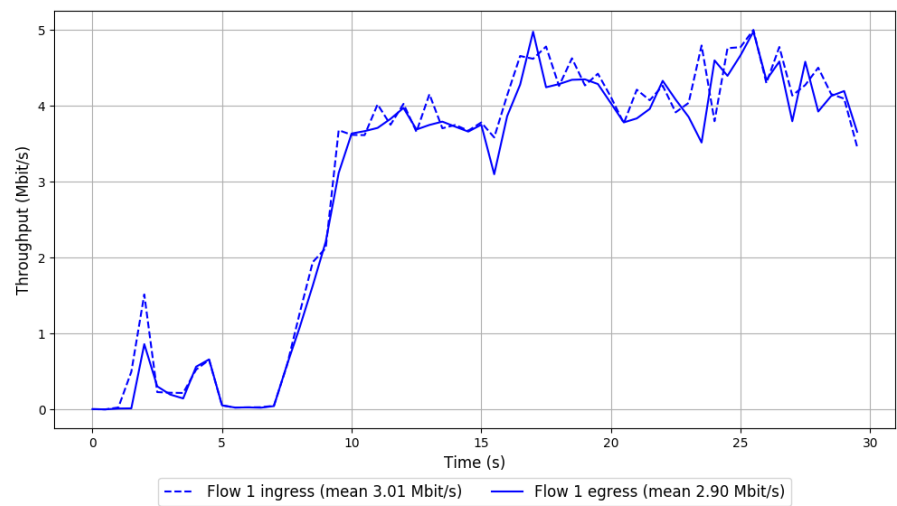
-- Flow 1:

Average throughput: 2.90 Mbit/s

95th percentile per-packet one-way delay: 73.382 ms

Loss rate: 3.49%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 20:21:57 +0000

End at: Mon, 24 Jul 2017 20:22:27 +0000

Local clock offset: -1.311 ms

Remote clock offset: 7.776 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.79 Mbit/s

95th percentile per-packet one-way delay: 74.354 ms

Loss rate: 2.61%

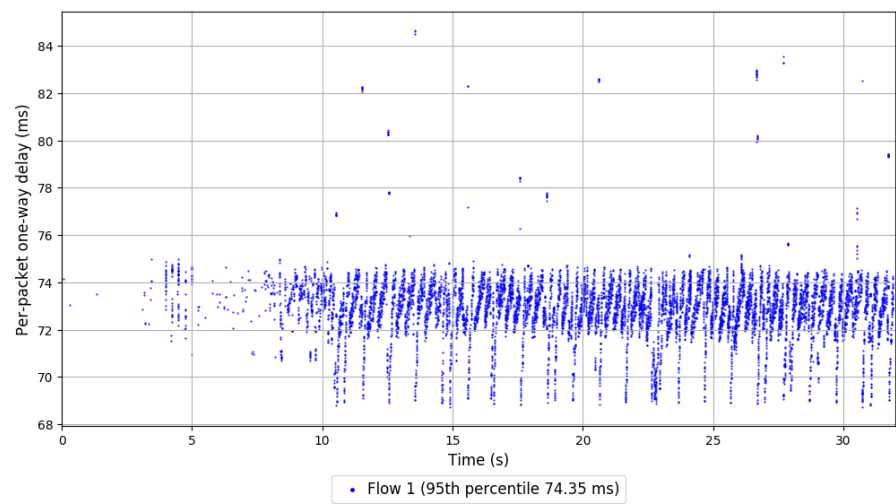
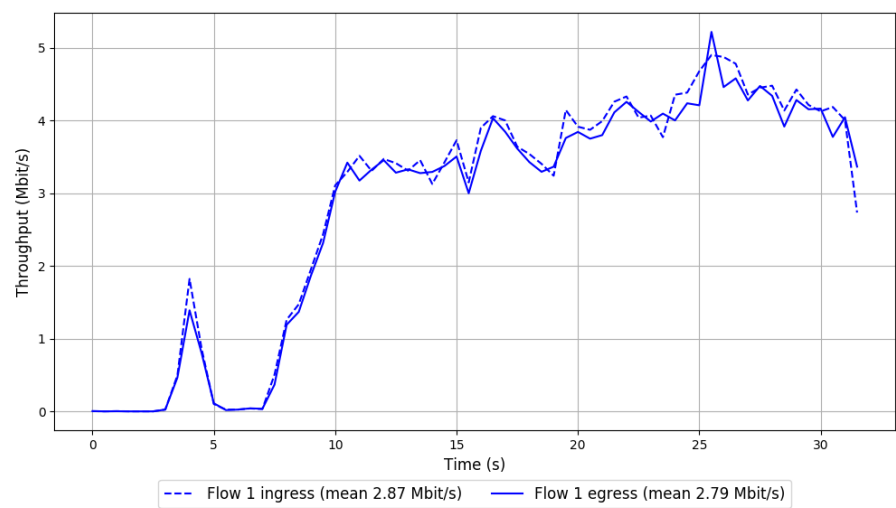
-- Flow 1:

Average throughput: 2.79 Mbit/s

95th percentile per-packet one-way delay: 74.354 ms

Loss rate: 2.61%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 20:41:02 +0000

End at: Mon, 24 Jul 2017 20:41:32 +0000

Local clock offset: -1.253 ms

Remote clock offset: 8.483 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.62 Mbit/s

95th percentile per-packet one-way delay: 77.587 ms

Loss rate: 2.91%

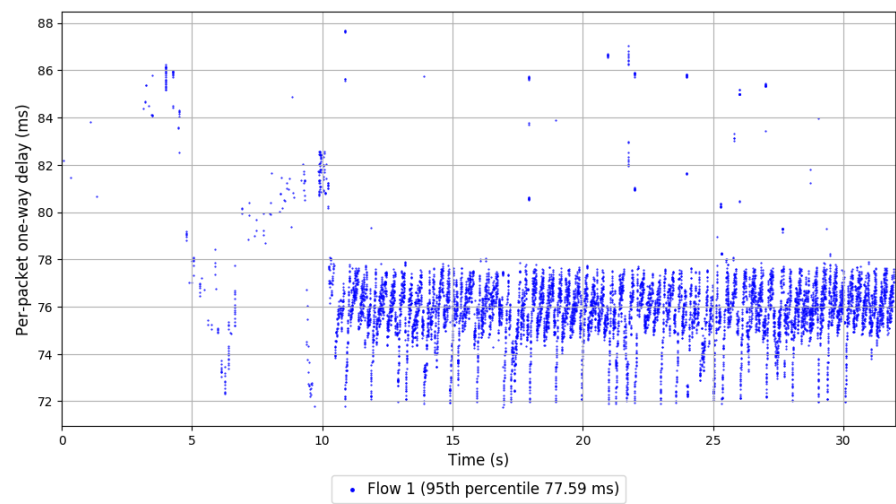
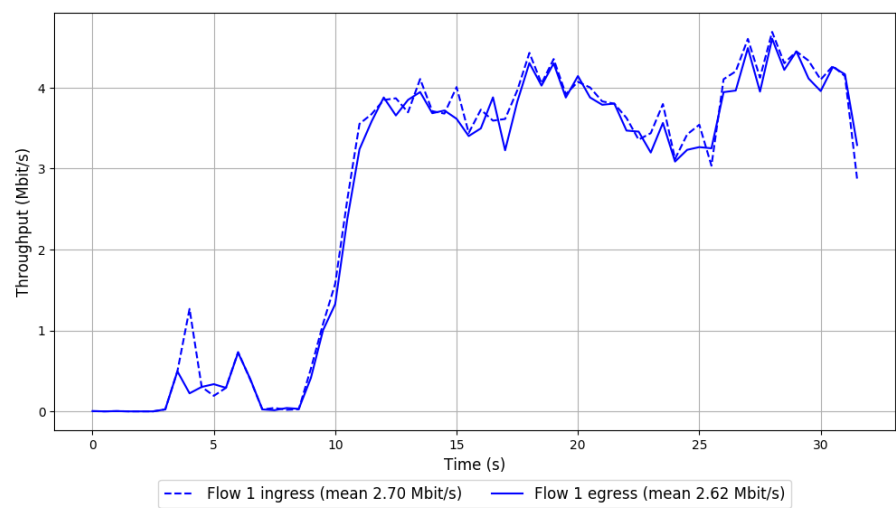
-- Flow 1:

Average throughput: 2.62 Mbit/s

95th percentile per-packet one-way delay: 77.587 ms

Loss rate: 2.91%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 21:00:09 +0000

End at: Mon, 24 Jul 2017 21:00:39 +0000

Local clock offset: -1.162 ms

Remote clock offset: 6.162 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 75.731 ms

Loss rate: 3.01%

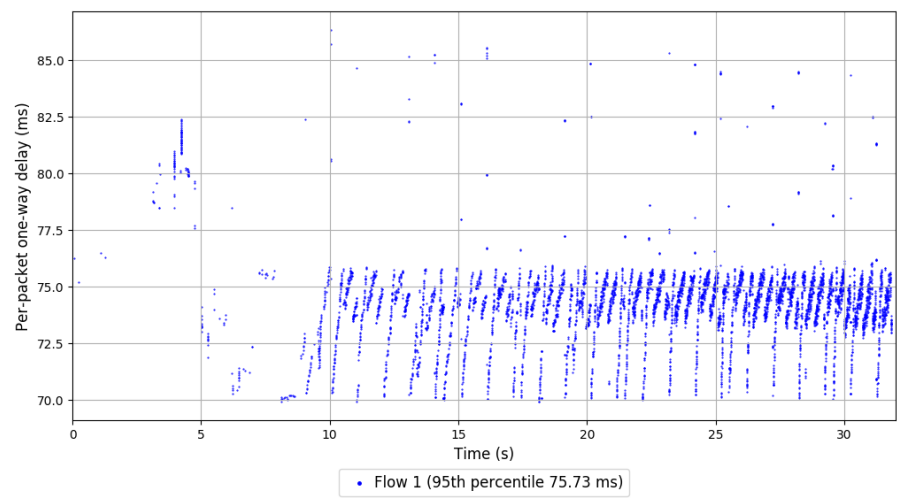
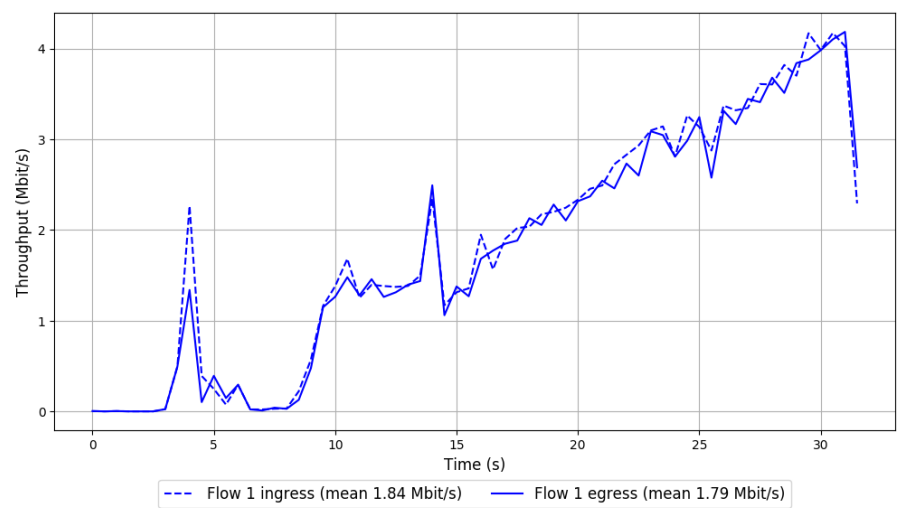
-- Flow 1:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 75.731 ms

Loss rate: 3.01%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 21:19:18 +0000

End at: Mon, 24 Jul 2017 21:19:48 +0000

Local clock offset: 0.232 ms

Remote clock offset: 6.885 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 68.665 ms

Loss rate: 0.00%

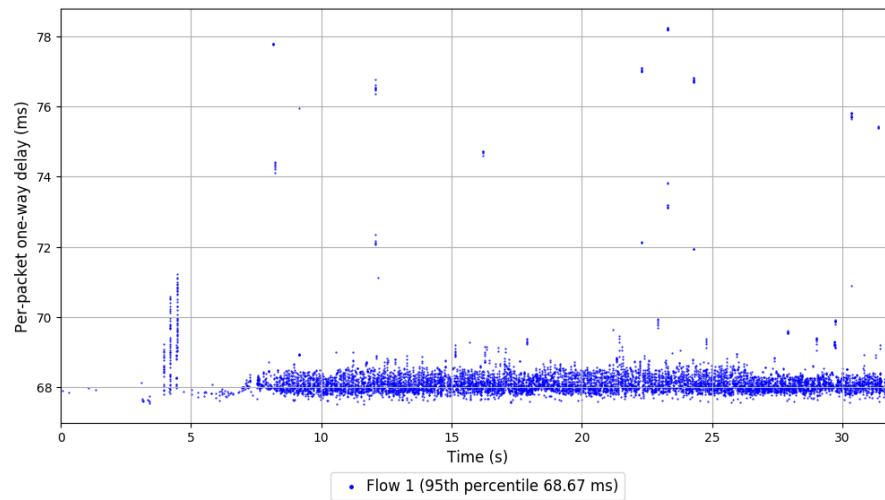
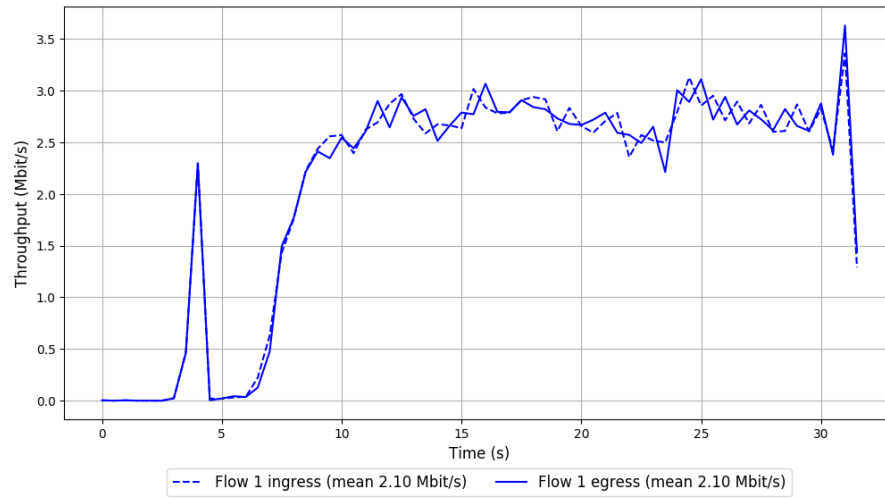
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 68.665 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 21:38:42 +0000

End at: Mon, 24 Jul 2017 21:39:13 +0000

Local clock offset: 0.4 ms

Remote clock offset: 6.751 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 70.983 ms

Loss rate: 0.00%

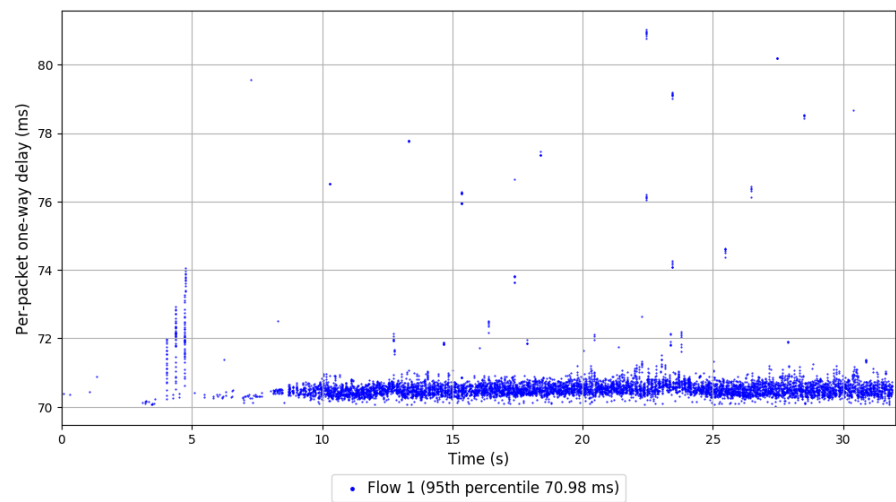
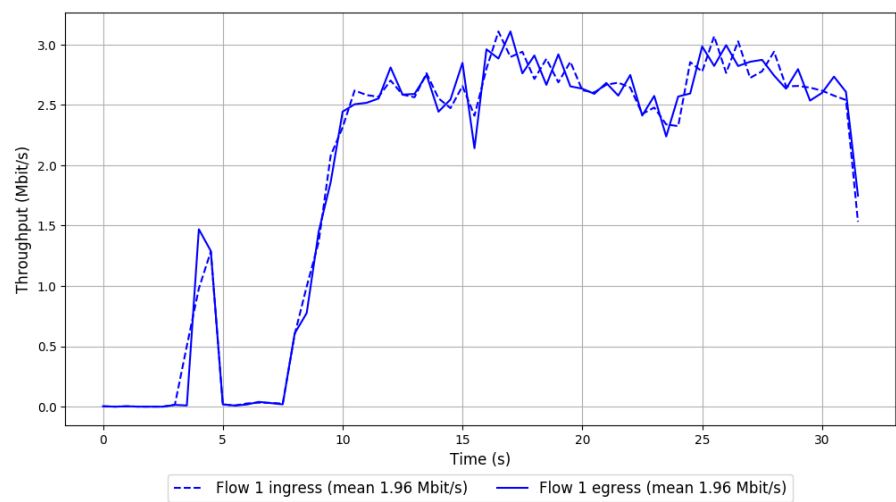
-- Flow 1:

Average throughput: 1.96 Mbit/s

95th percentile per-packet one-way delay: 70.983 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 21:59:40 +0000

End at: Mon, 24 Jul 2017 22:00:10 +0000

Local clock offset: -0.562 ms

Remote clock offset: 7.558 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 72.518 ms

Loss rate: 0.00%

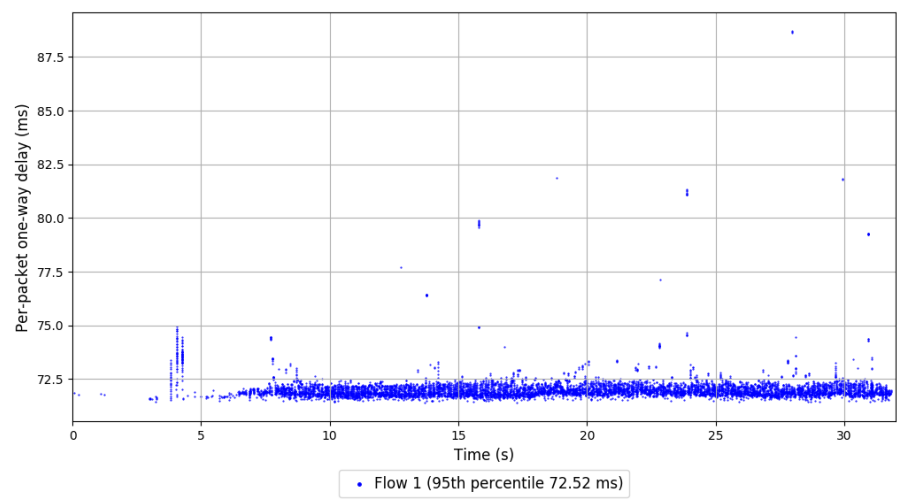
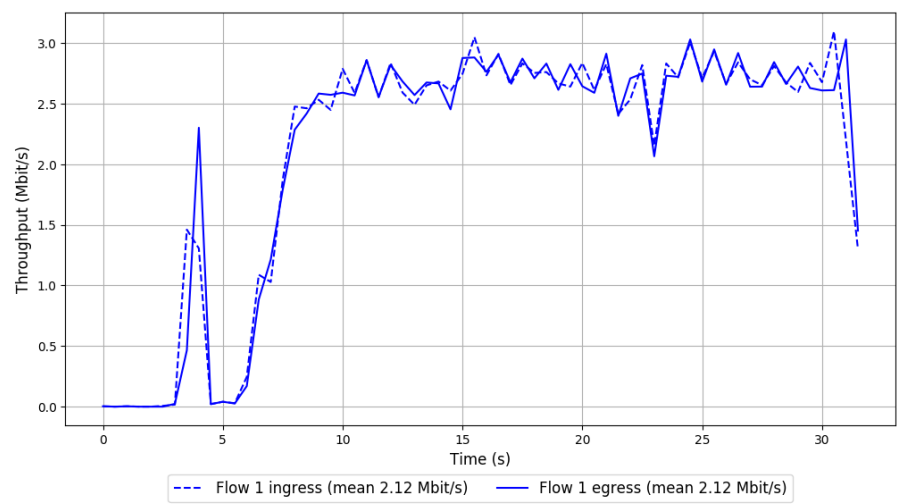
-- Flow 1:

Average throughput: 2.12 Mbit/s

95th percentile per-packet one-way delay: 72.518 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 22:18:46 +0000

End at: Mon, 24 Jul 2017 22:19:16 +0000

Local clock offset: -0.884 ms

Remote clock offset: 8.458 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:53 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 70.602 ms

Loss rate: 0.00%

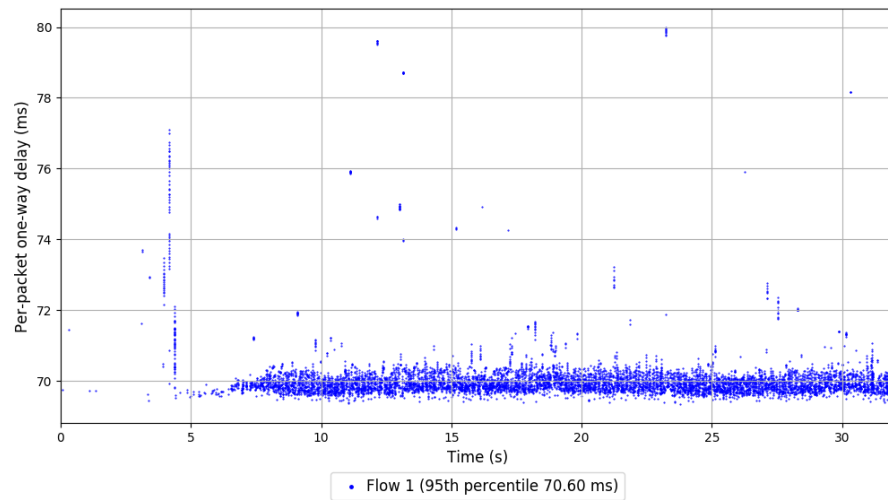
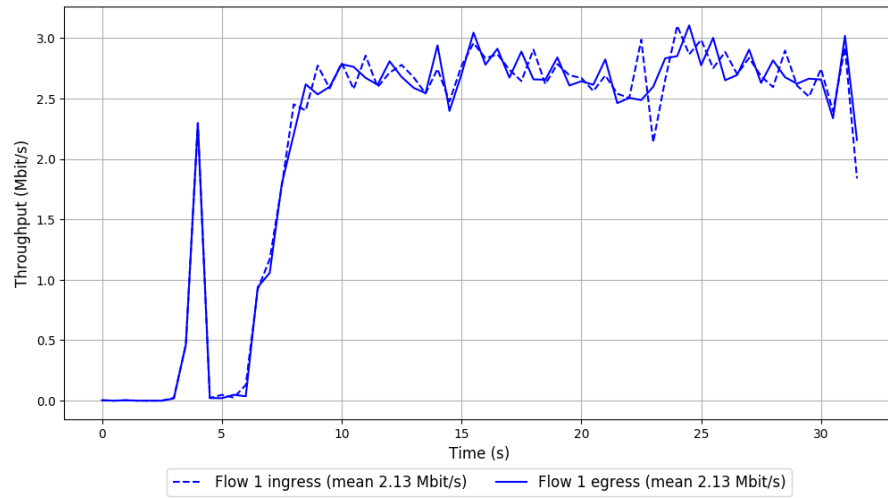
-- Flow 1:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 70.602 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 22:38:38 +0000

End at: Mon, 24 Jul 2017 22:39:08 +0000

Local clock offset: 1.056 ms

Remote clock offset: 8.918 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 69.100 ms

Loss rate: 0.03%

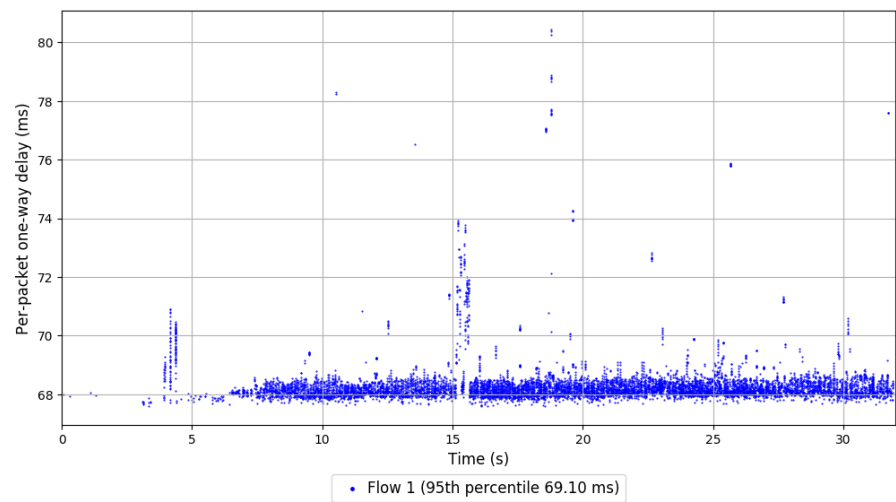
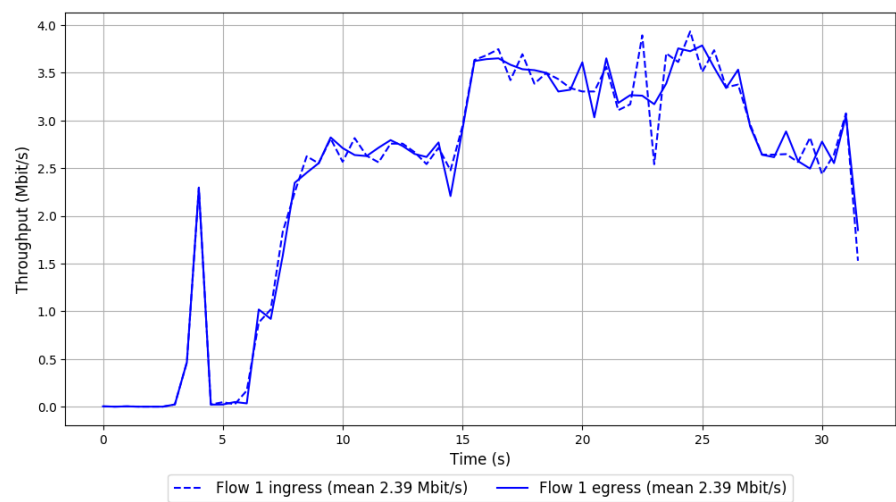
-- Flow 1:

Average throughput: 2.39 Mbit/s

95th percentile per-packet one-way delay: 69.100 ms

Loss rate: 0.03%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 22:57:39 +0000

End at: Mon, 24 Jul 2017 22:58:09 +0000

Local clock offset: 1.183 ms

Remote clock offset: 8.184 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:41:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 71.430 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 71.430 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

