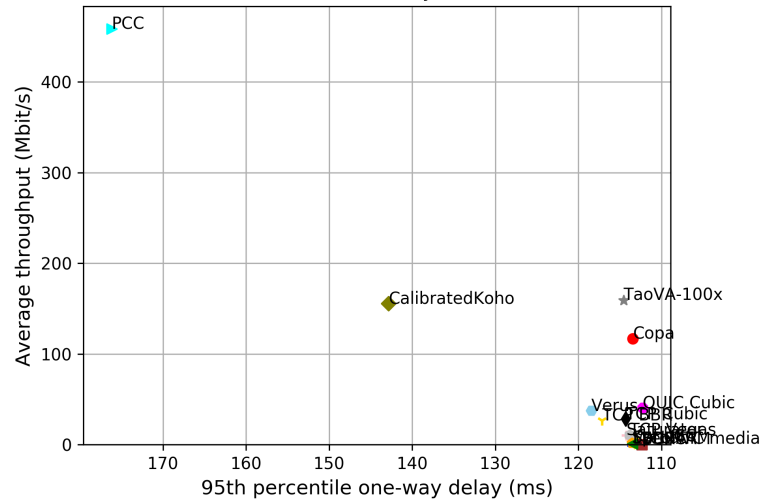


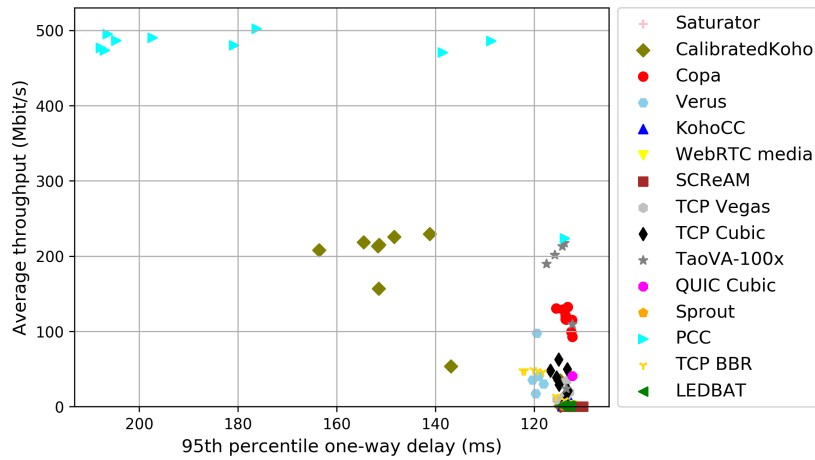
Pantheon Summary (Generated at Sun, 06 Aug 2017 00:06:32 +0000 with pantheon version 33c7b8d34ce04c76596315aa973f0b30d6129d55)
Repeated the test of 15 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Data path: GCE London Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).

```
git branch: master @ 33c7b8d34ce04c76596315aa973f0b30d6129d55
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 @ f1a14bffe749737437f61b1eaeab30b267cde681
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 GCE London Ethernet to GCE Tokyo Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE London Ethernet to GCE Tokyo 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	26.50	117.17	18.42
CalibratedKoho	10	155.60	142.85	18.20
Copa	10	116.91	113.43	0.04
TCP Cubic	10	28.26	114.33	0.94
KohoCC	10	4.02	113.46	21.16
LEDBAT	10	1.15	113.48	0.94
PCC	10	458.54	176.14	1.90
QUIC Cubic	10	40.60	112.27	0.00
Saturator	10	10.26	114.22	0.78
SCReAM	10	0.21	112.36	0.00
Sprout	10	1.83	113.56	0.61
TaoVA-100x	10	159.27	114.56	0.02
TCP Vegas	10	10.63	113.85	1.25
Verus	10	37.49	118.46	59.08
WebRTC media	10	1.26	113.28	0.00

Run 1: Statistics of TCP BBR

Start at: Sat, 05 Aug 2017 21:13:56 +0000

End at: Sat, 05 Aug 2017 21:14:26 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:46:11 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.80 Mbit/s

95th percentile per-packet one-way delay: 120.227 ms

Loss rate: 1.21%

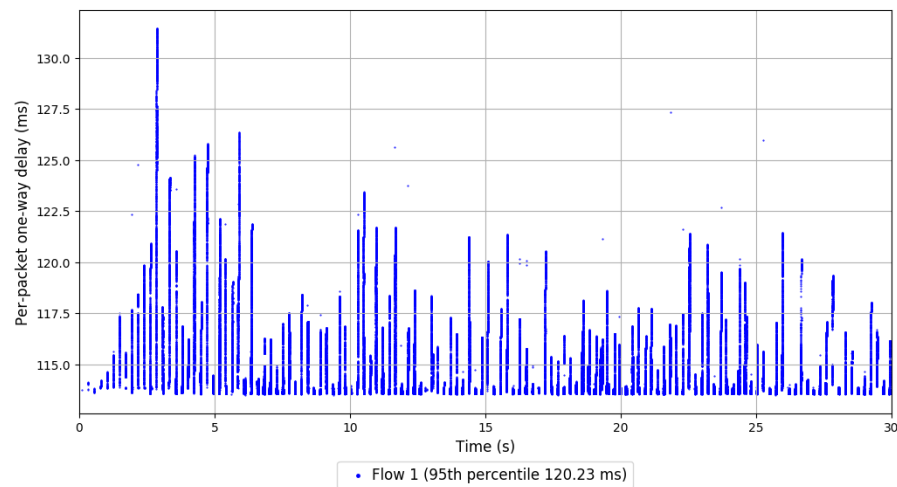
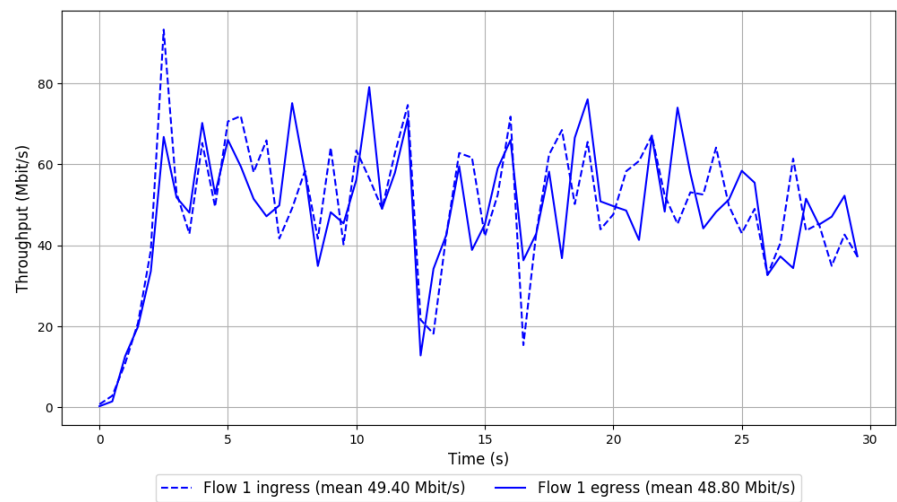
-- Flow 1:

Average throughput: 48.80 Mbit/s

95th percentile per-packet one-way delay: 120.227 ms

Loss rate: 1.21%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Sat, 05 Aug 2017 21:25:24 +0000

End at: Sat, 05 Aug 2017 21:25:54 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:46:11 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 114.056 ms

Loss rate: 36.47%

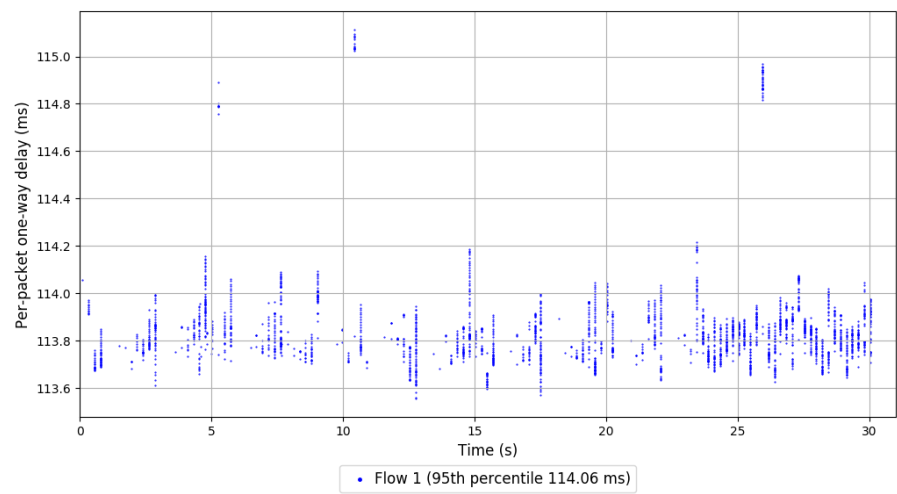
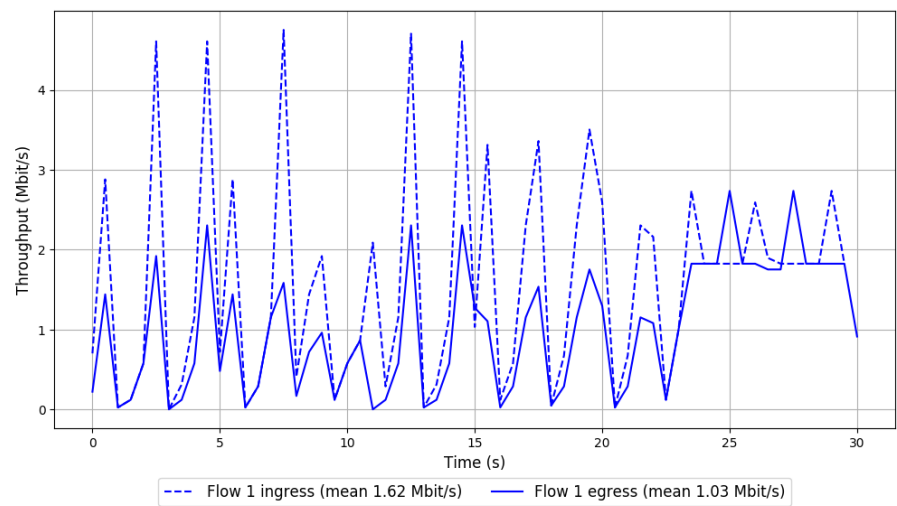
-- Flow 1:

Average throughput: 1.03 Mbit/s

95th percentile per-packet one-way delay: 114.056 ms

Loss rate: 36.47%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Sat, 05 Aug 2017 21:36:32 +0000

End at: Sat, 05 Aug 2017 21:37:02 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:46:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.16 Mbit/s

95th percentile per-packet one-way delay: 119.352 ms

Loss rate: 0.66%

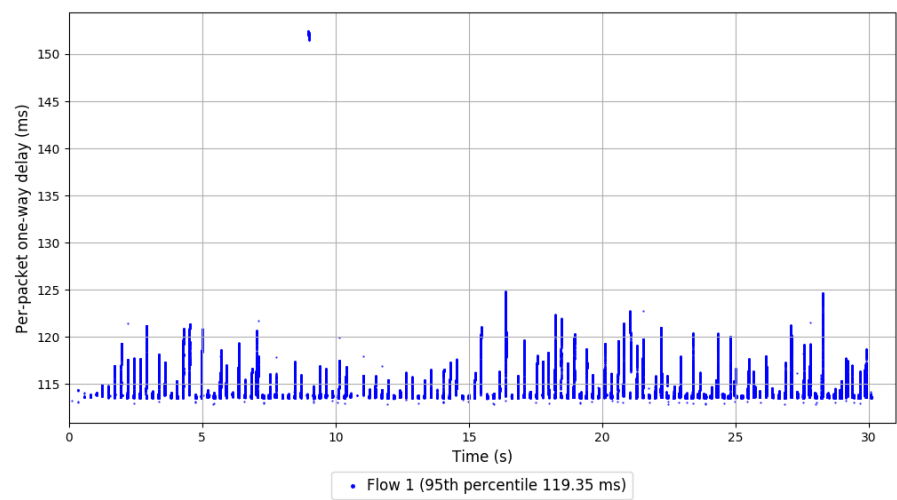
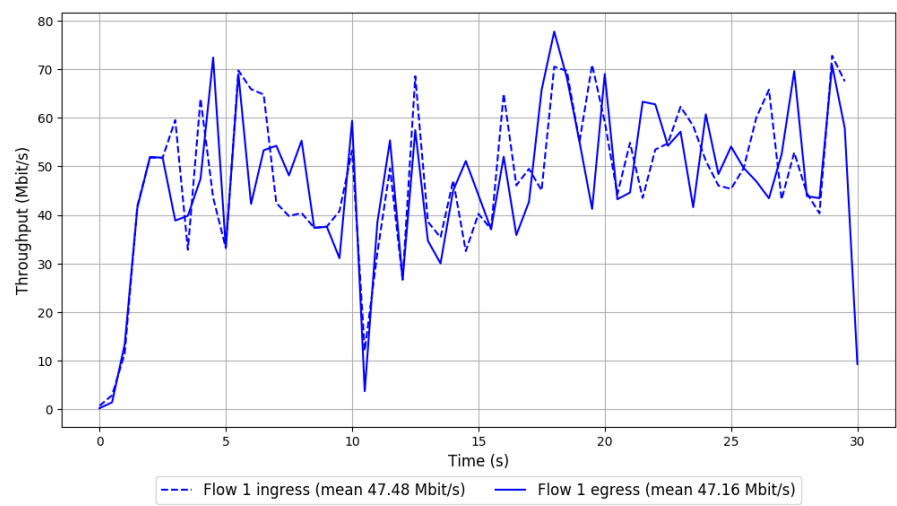
-- Flow 1:

Average throughput: 47.16 Mbit/s

95th percentile per-packet one-way delay: 119.352 ms

Loss rate: 0.66%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Sat, 05 Aug 2017 21:47:59 +0000

End at: Sat, 05 Aug 2017 21:48:29 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:46:20 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.23 Mbit/s

95th percentile per-packet one-way delay: 121.882 ms

Loss rate: 6.05%

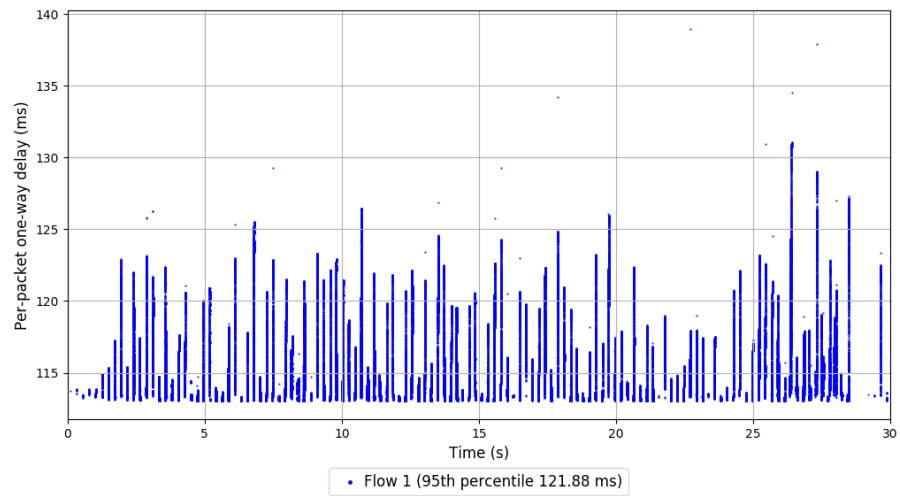
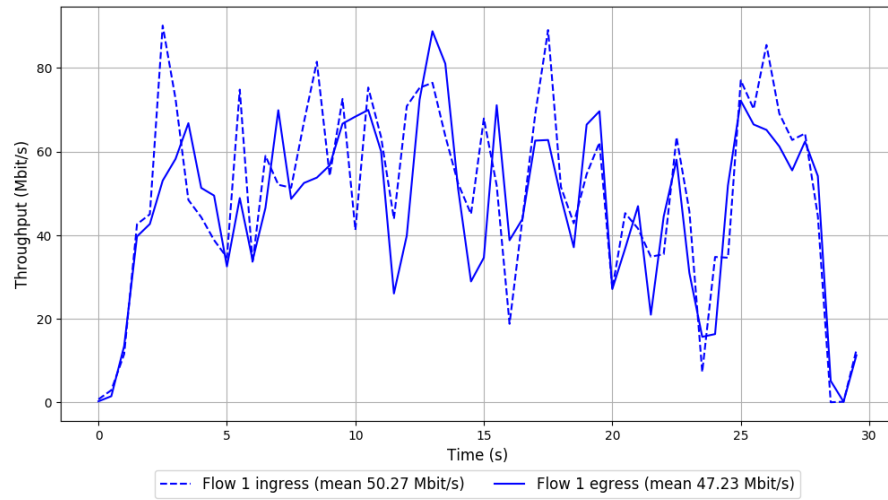
-- Flow 1:

Average throughput: 47.23 Mbit/s

95th percentile per-packet one-way delay: 121.882 ms

Loss rate: 6.05%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Sat, 05 Aug 2017 21:59:30 +0000

End at: Sat, 05 Aug 2017 22:00:00 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:46:20 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.34 Mbit/s

95th percentile per-packet one-way delay: 115.599 ms

Loss rate: 40.36%

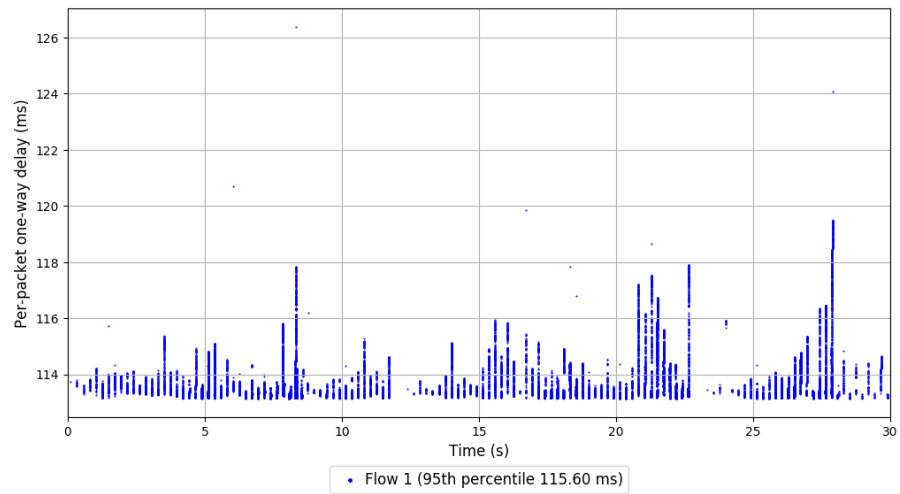
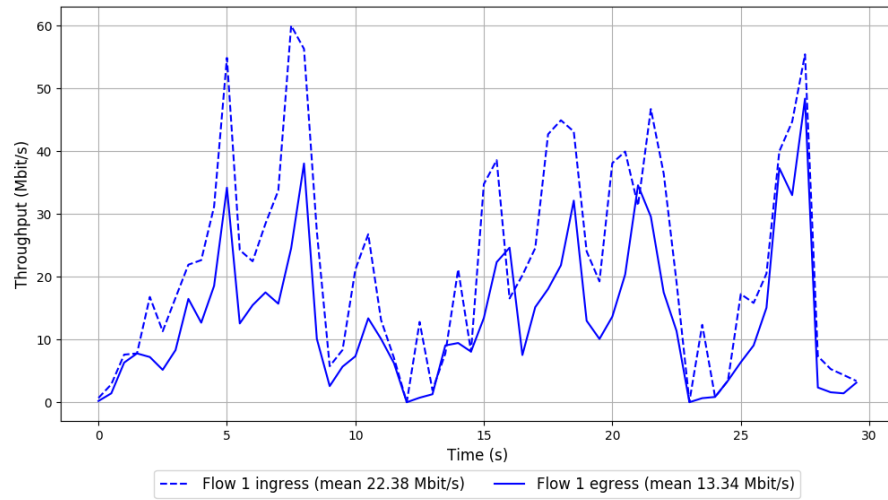
-- Flow 1:

Average throughput: 13.34 Mbit/s

95th percentile per-packet one-way delay: 115.599 ms

Loss rate: 40.36%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Sat, 05 Aug 2017 22:10:42 +0000

End at: Sat, 05 Aug 2017 22:11:12 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:46:20 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 113.652 ms

Loss rate: 41.23%

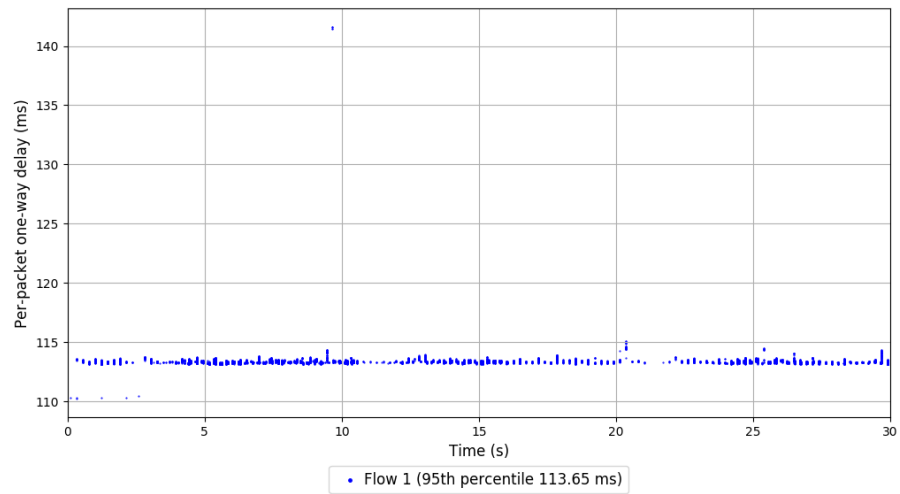
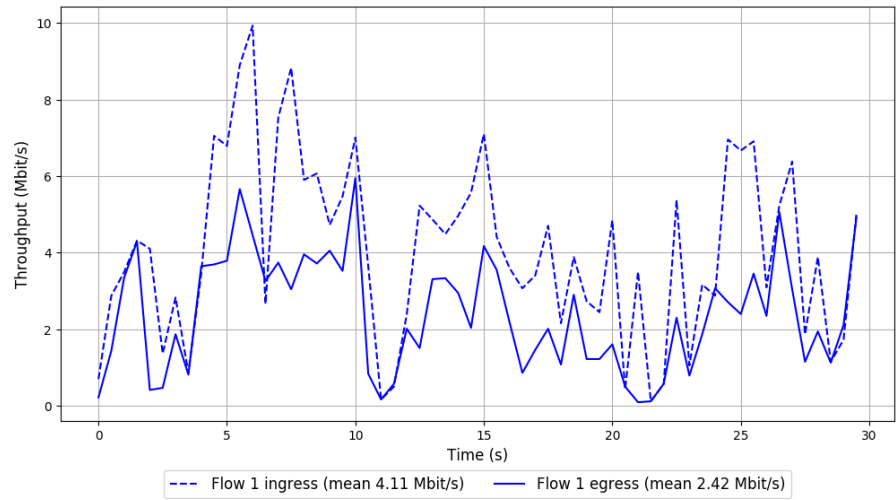
-- Flow 1:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 113.652 ms

Loss rate: 41.23%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Sat, 05 Aug 2017 22:22:03 +0000

End at: Sat, 05 Aug 2017 22:22:33 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:46:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.59 Mbit/s

95th percentile per-packet one-way delay: 113.875 ms

Loss rate: 28.51%

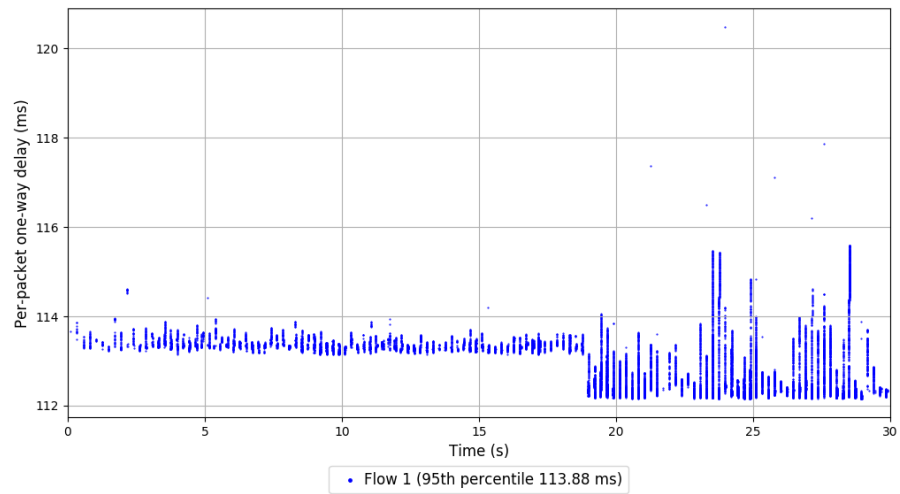
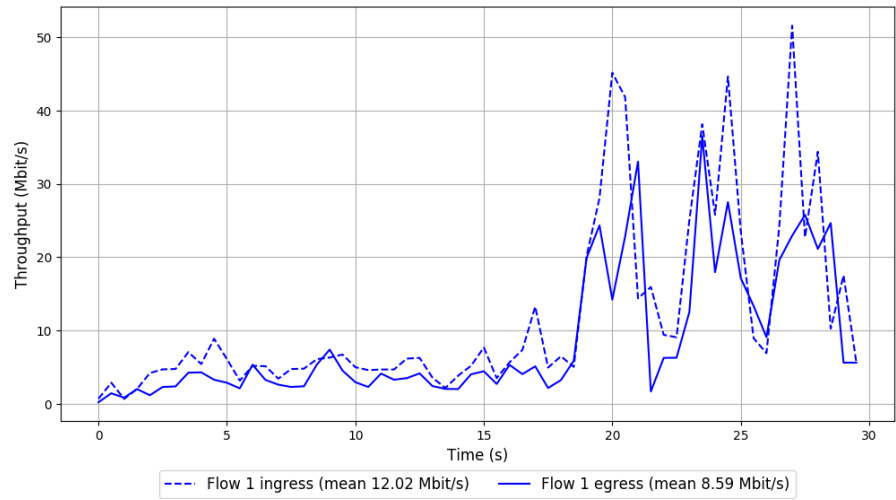
-- Flow 1:

Average throughput: 8.59 Mbit/s

95th percentile per-packet one-way delay: 113.875 ms

Loss rate: 28.51%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Sat, 05 Aug 2017 22:33:28 +0000

End at: Sat, 05 Aug 2017 22:33:58 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:46:31 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.50 Mbit/s

95th percentile per-packet one-way delay: 122.370 ms

Loss rate: 6.40%

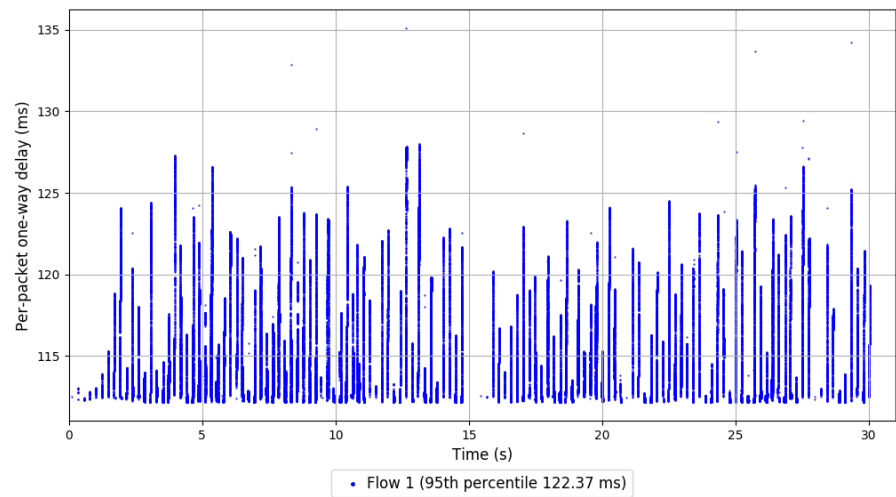
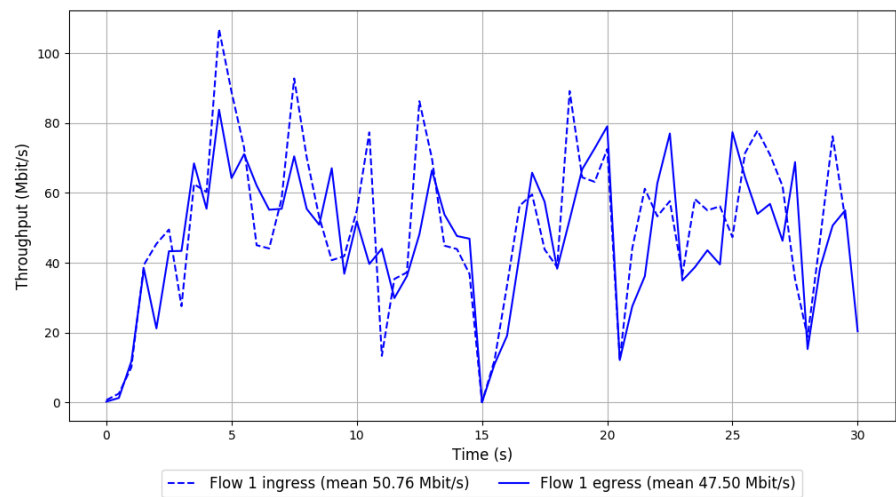
-- Flow 1:

Average throughput: 47.50 Mbit/s

95th percentile per-packet one-way delay: 122.370 ms

Loss rate: 6.40%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Sat, 05 Aug 2017 22:45:01 +0000

End at: Sat, 05 Aug 2017 22:45:31 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:46:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.17 Mbit/s

95th percentile per-packet one-way delay: 118.225 ms

Loss rate: 3.91%

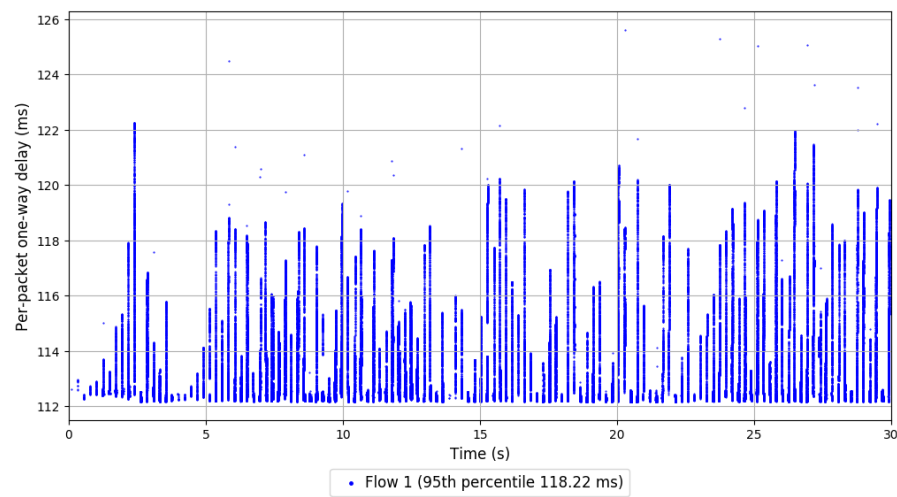
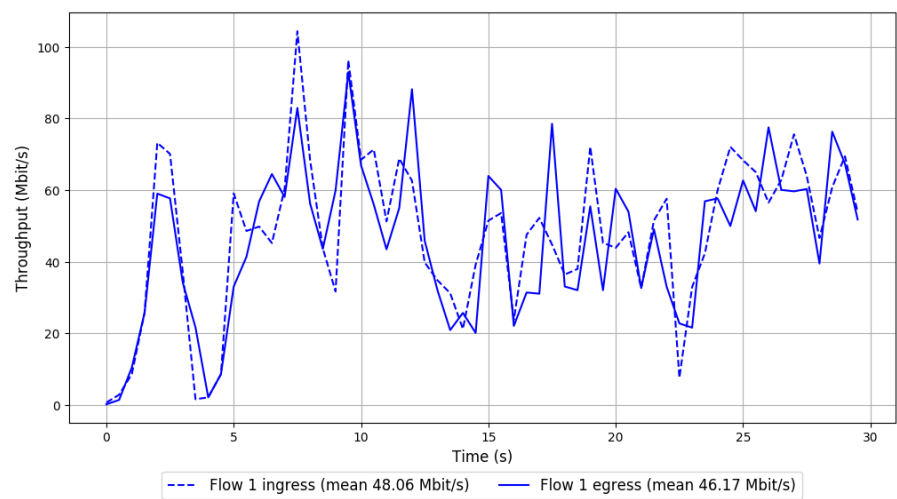
-- Flow 1:

Average throughput: 46.17 Mbit/s

95th percentile per-packet one-way delay: 118.225 ms

Loss rate: 3.91%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Sat, 05 Aug 2017 22:56:12 +0000

End at: Sat, 05 Aug 2017 22:56:42 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:46:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.75 Mbit/s

95th percentile per-packet one-way delay: 112.475 ms

Loss rate: 19.37%

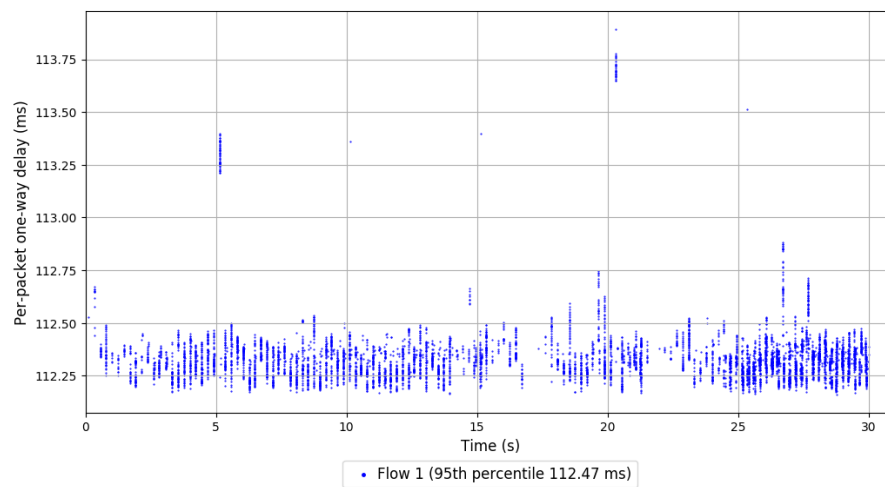
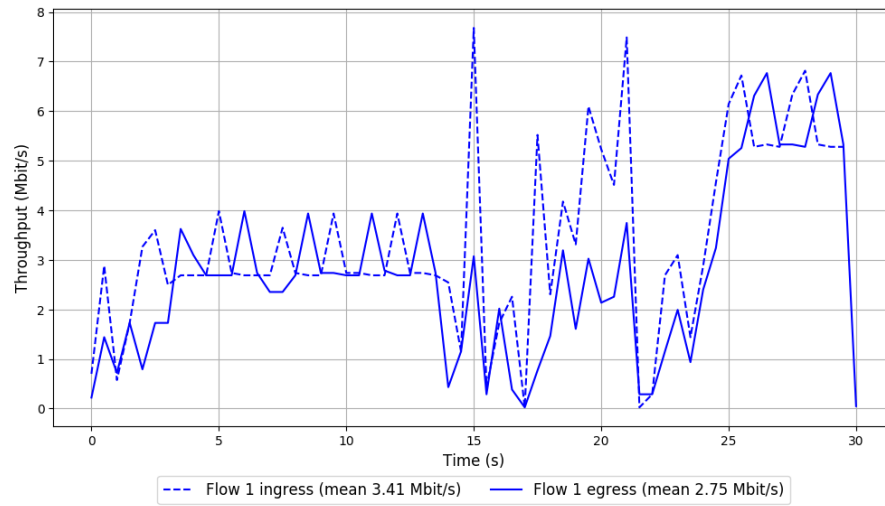
-- Flow 1:

Average throughput: 2.75 Mbit/s

95th percentile per-packet one-way delay: 112.475 ms

Loss rate: 19.37%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Sat, 05 Aug 2017 21:09:55 +0000

End at: Sat, 05 Aug 2017 21:10:25 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:46:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.08 Mbit/s

95th percentile per-packet one-way delay: 114.657 ms

Loss rate: 68.06%

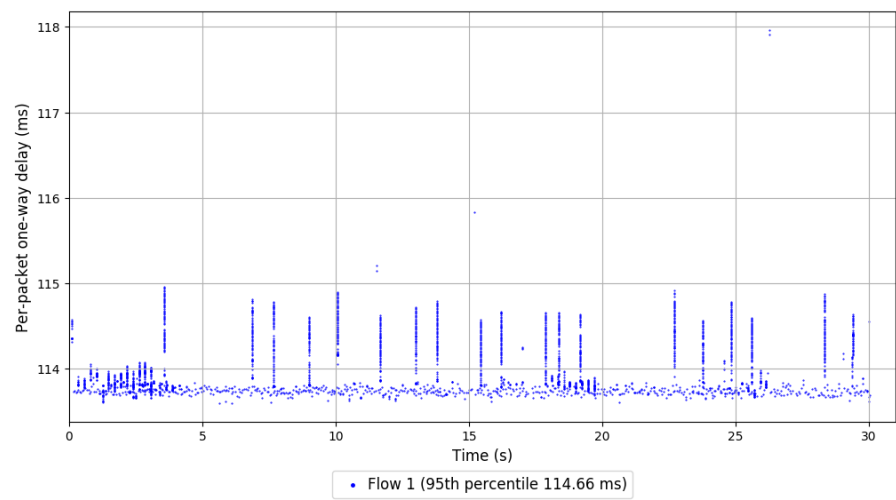
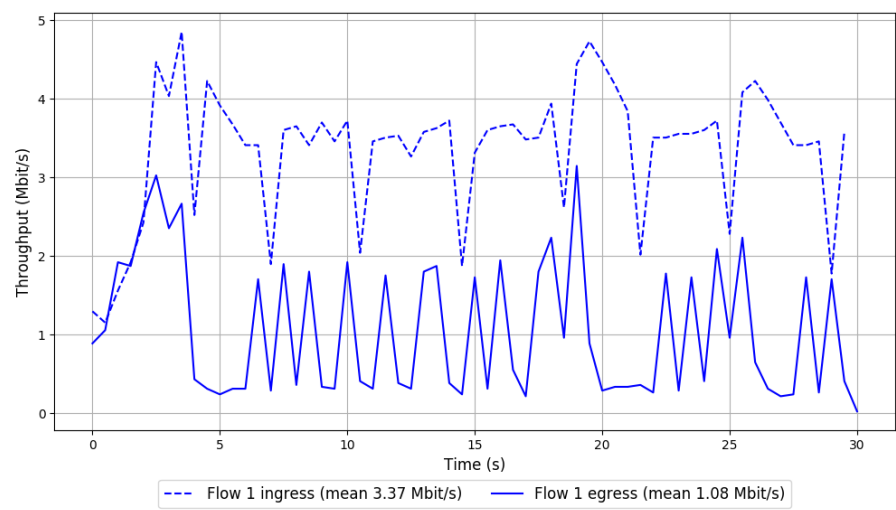
-- Flow 1:

Average throughput: 1.08 Mbit/s

95th percentile per-packet one-way delay: 114.657 ms

Loss rate: 68.06%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Sat, 05 Aug 2017 21:21:09 +0000

End at: Sat, 05 Aug 2017 21:21:39 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:47:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.02 Mbit/s

95th percentile per-packet one-way delay: 151.399 ms

Loss rate: 0.00%

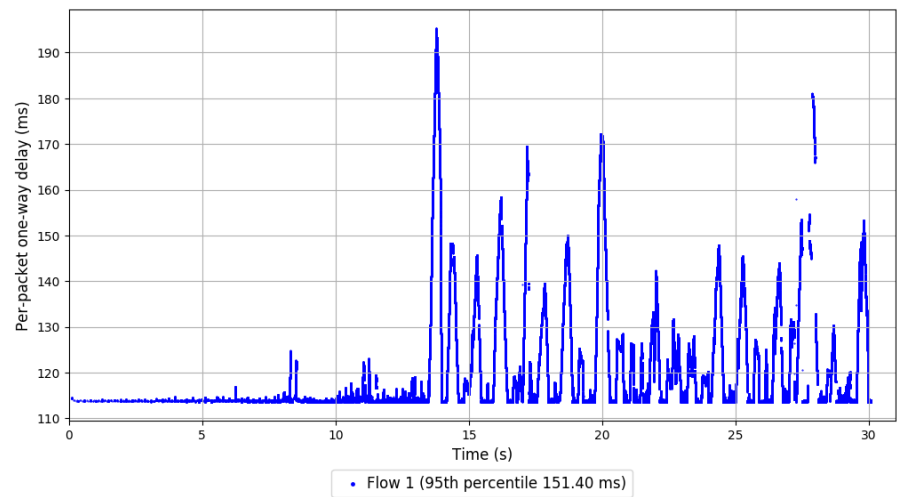
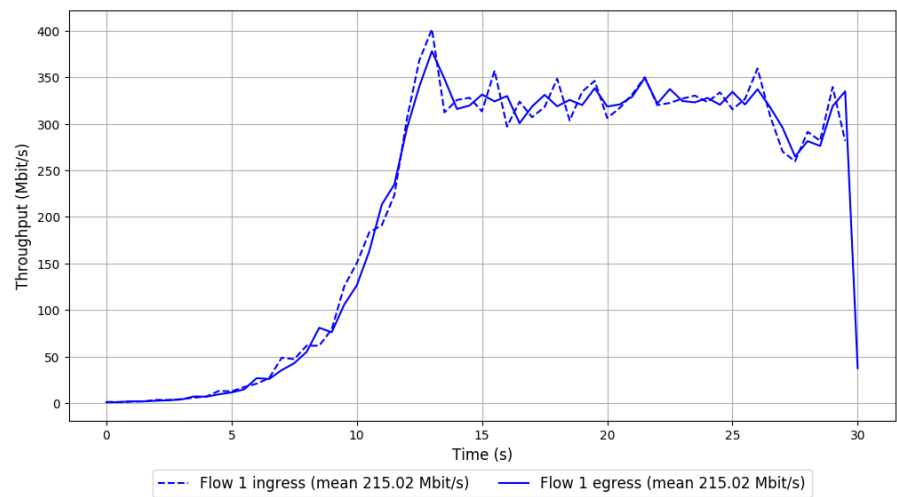
-- Flow 1:

Average throughput: 215.02 Mbit/s

95th percentile per-packet one-way delay: 151.399 ms

Loss rate: 0.00%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Sat, 05 Aug 2017 21:32:27 +0000

End at: Sat, 05 Aug 2017 21:32:57 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:47:20 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.18 Mbit/s

95th percentile per-packet one-way delay: 151.661 ms

Loss rate: 0.09%

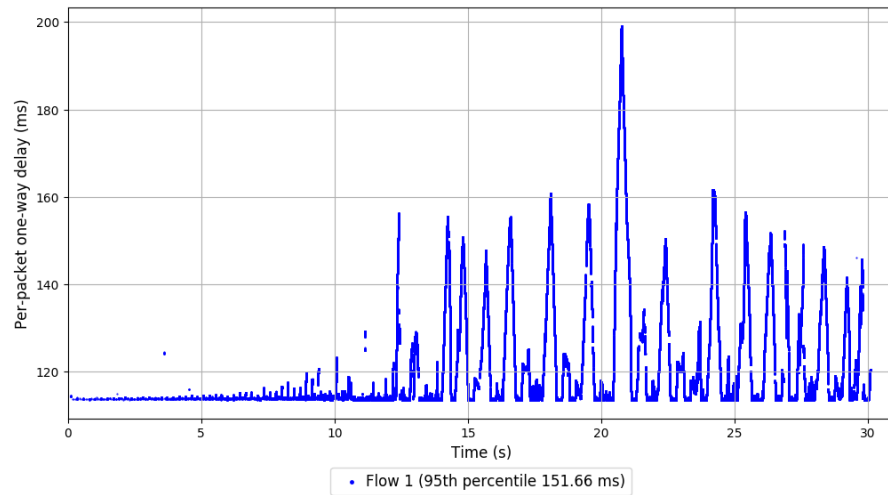
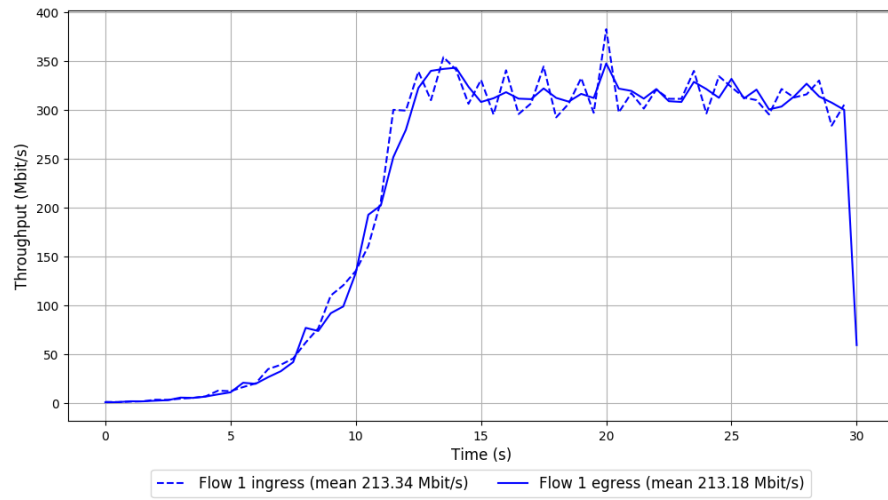
-- Flow 1:

Average throughput: 213.18 Mbit/s

95th percentile per-packet one-way delay: 151.661 ms

Loss rate: 0.09%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Sat, 05 Aug 2017 21:43:53 +0000

End at: Sat, 05 Aug 2017 21:44:23 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:47:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.15 Mbit/s

95th percentile per-packet one-way delay: 114.771 ms

Loss rate: 58.74%

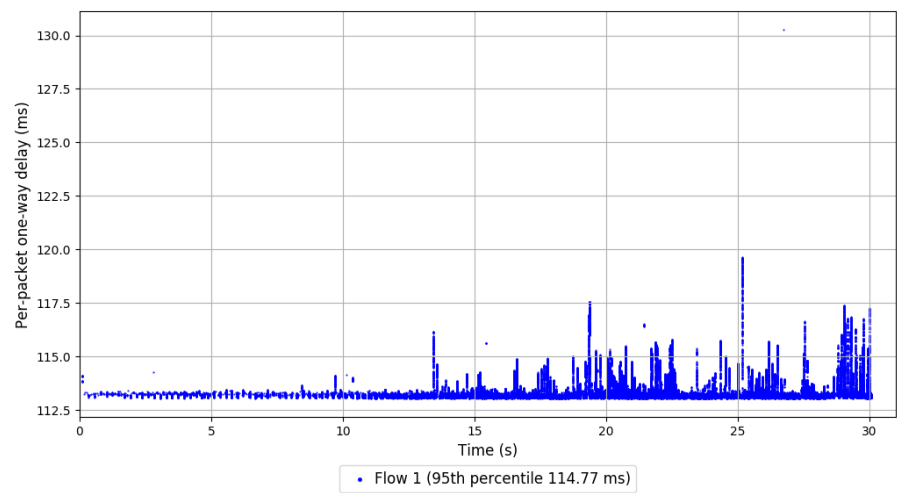
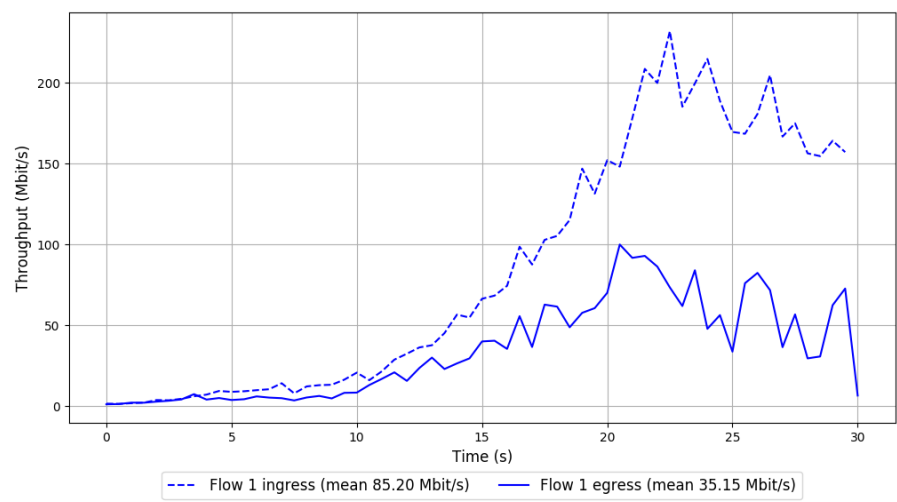
-- Flow 1:

Average throughput: 35.15 Mbit/s

95th percentile per-packet one-way delay: 114.771 ms

Loss rate: 58.74%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Sat, 05 Aug 2017 21:55:17 +0000

End at: Sat, 05 Aug 2017 21:55:47 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:48:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 207.88 Mbit/s

95th percentile per-packet one-way delay: 163.588 ms

Loss rate: 3.52%

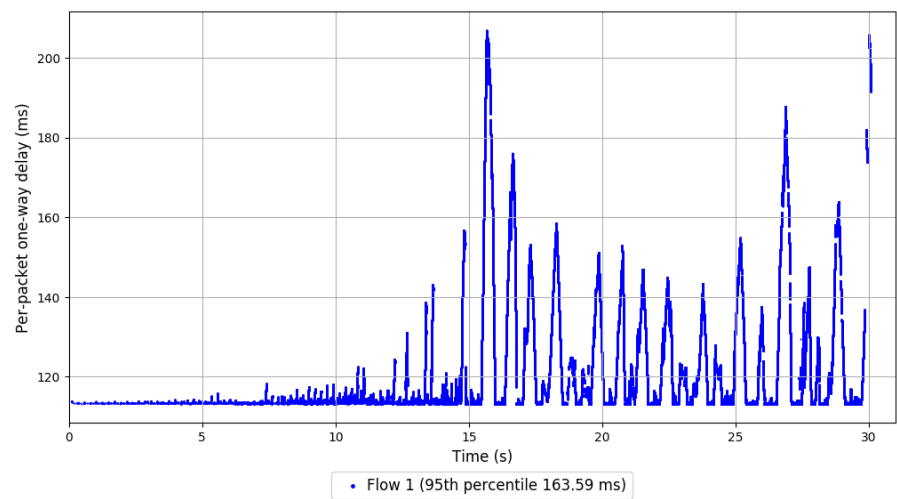
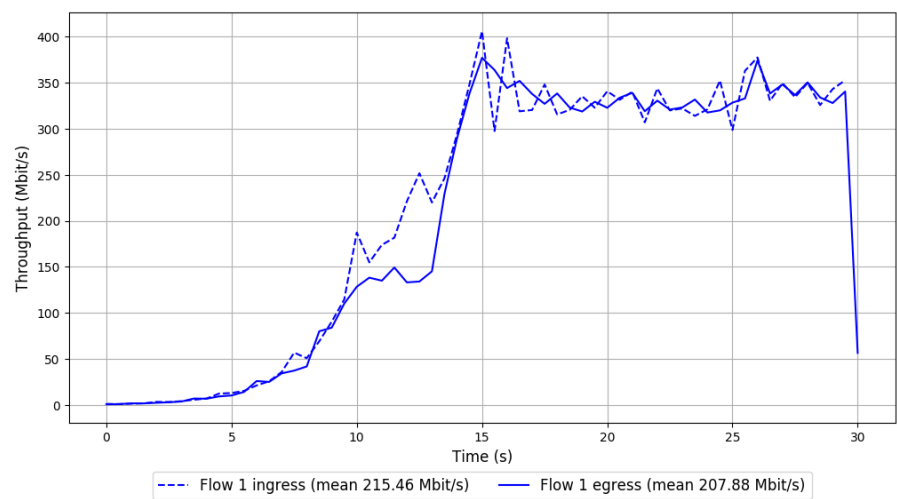
-- Flow 1:

Average throughput: 207.88 Mbit/s

95th percentile per-packet one-way delay: 163.588 ms

Loss rate: 3.52%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Sat, 05 Aug 2017 22:06:32 +0000

End at: Sat, 05 Aug 2017 22:07:03 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:48:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.97 Mbit/s

95th percentile per-packet one-way delay: 151.458 ms

Loss rate: 8.19%

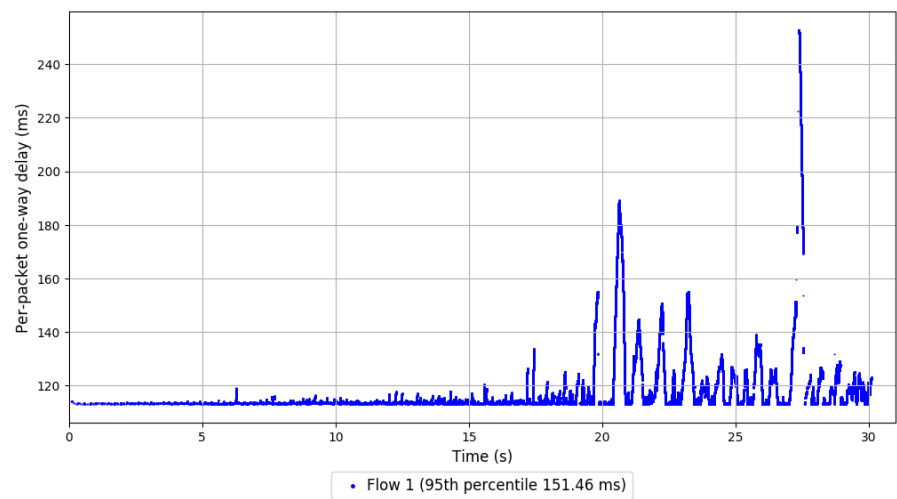
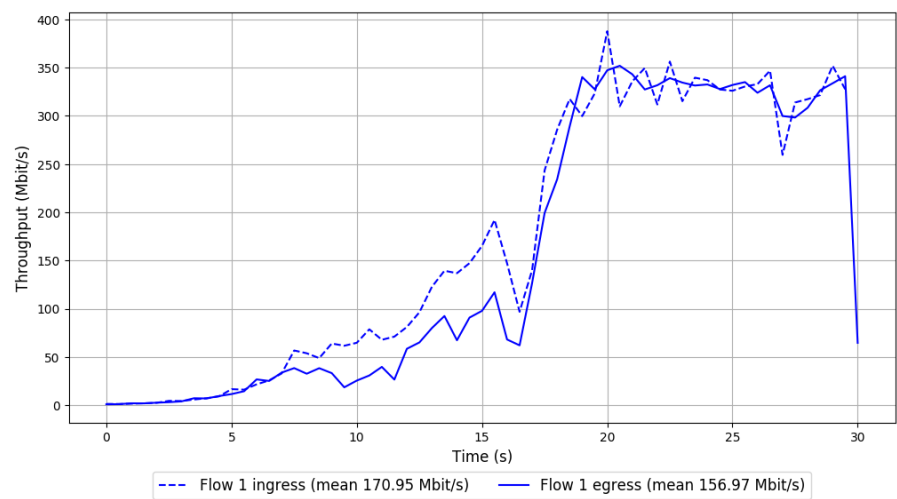
-- Flow 1:

Average throughput: 156.97 Mbit/s

95th percentile per-packet one-way delay: 151.458 ms

Loss rate: 8.19%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Sat, 05 Aug 2017 22:17:48 +0000

End at: Sat, 05 Aug 2017 22:18:18 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:48:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 225.36 Mbit/s

95th percentile per-packet one-way delay: 148.384 ms

Loss rate: 0.04%

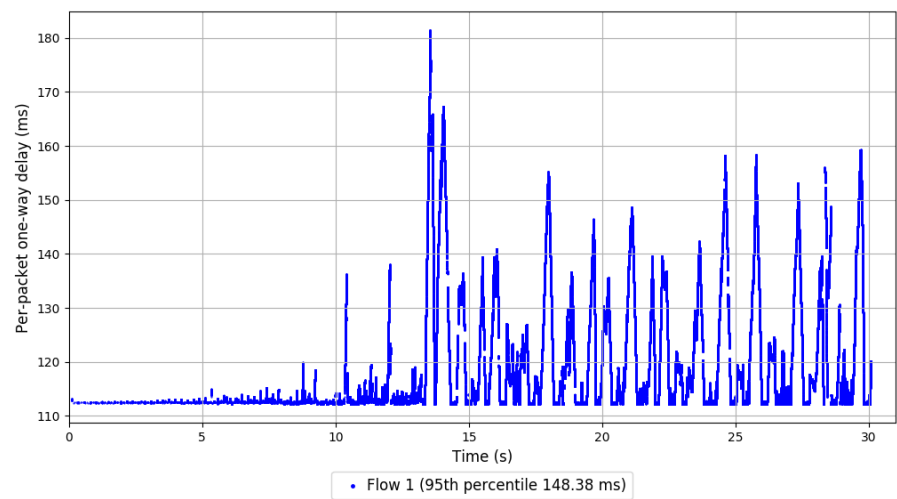
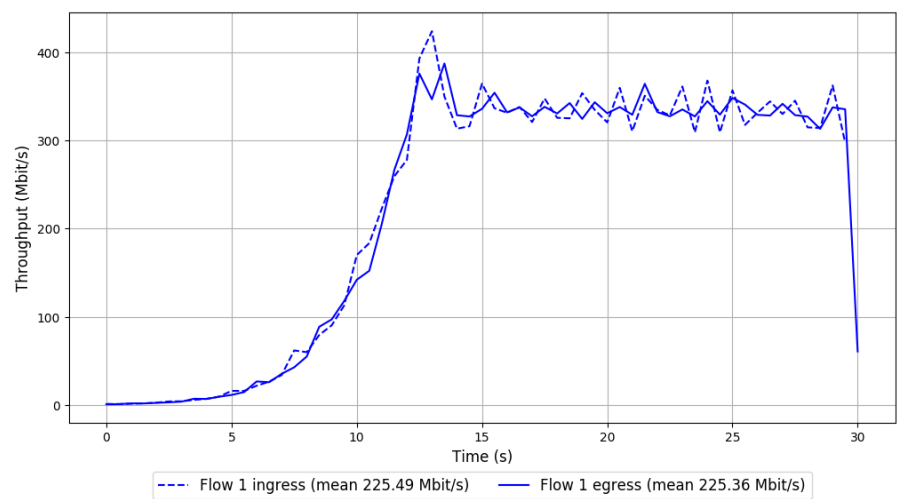
-- Flow 1:

Average throughput: 225.36 Mbit/s

95th percentile per-packet one-way delay: 148.384 ms

Loss rate: 0.04%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Sat, 05 Aug 2017 22:29:24 +0000

End at: Sat, 05 Aug 2017 22:29:54 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:48:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 229.47 Mbit/s

95th percentile per-packet one-way delay: 141.155 ms

Loss rate: 0.07%

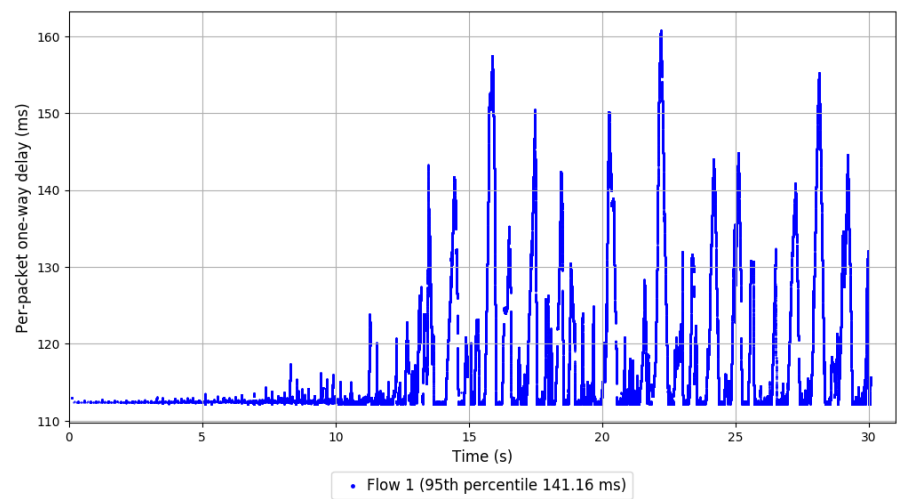
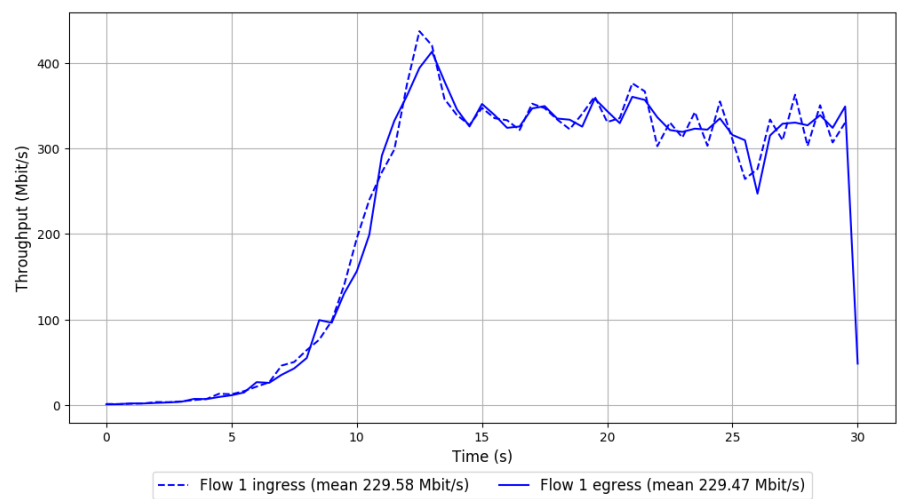
-- Flow 1:

Average throughput: 229.47 Mbit/s

95th percentile per-packet one-way delay: 141.155 ms

Loss rate: 0.07%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Sat, 05 Aug 2017 22:40:46 +0000

End at: Sat, 05 Aug 2017 22:41:16 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:49:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 218.37 Mbit/s

95th percentile per-packet one-way delay: 154.555 ms

Loss rate: 0.29%

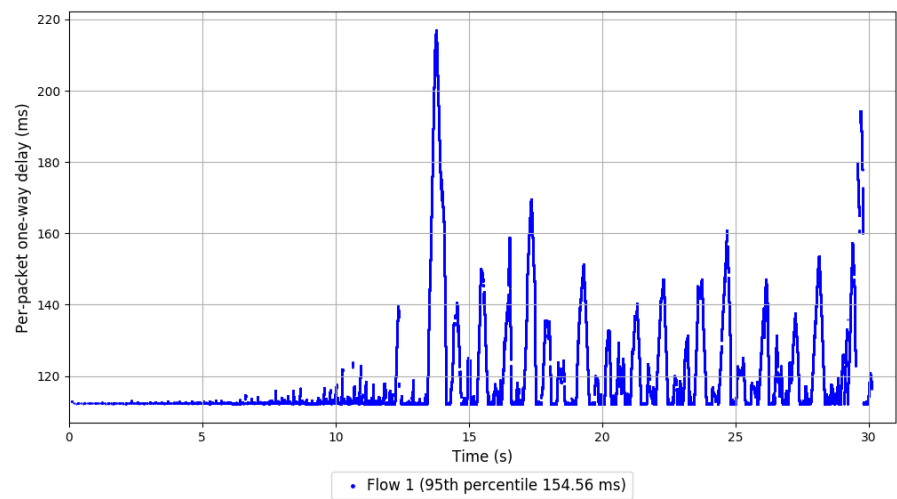
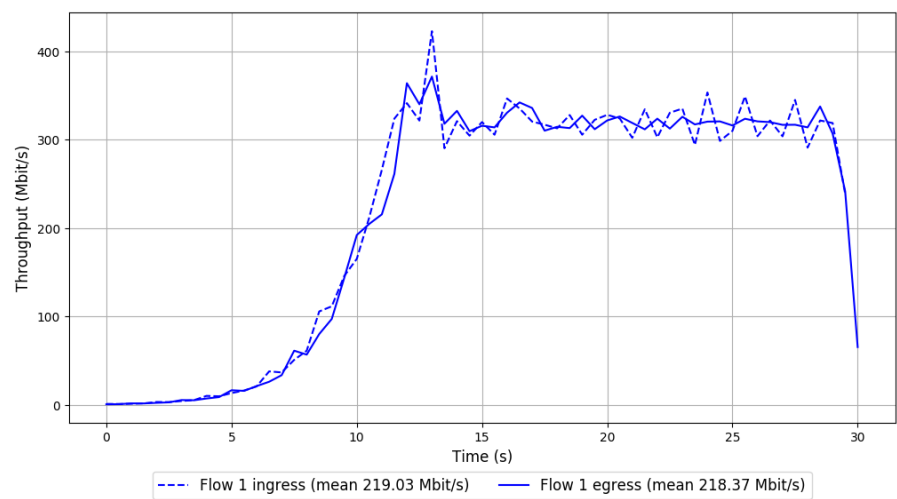
-- Flow 1:

Average throughput: 218.37 Mbit/s

95th percentile per-packet one-way delay: 154.555 ms

Loss rate: 0.29%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Sat, 05 Aug 2017 22:52:07 +0000

End at: Sat, 05 Aug 2017 22:52:37 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:49:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.50 Mbit/s

95th percentile per-packet one-way delay: 136.848 ms

Loss rate: 42.98%

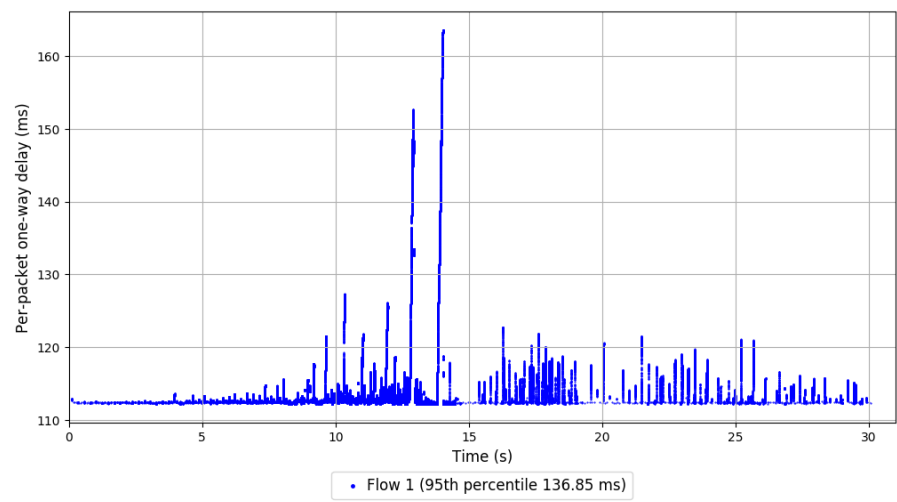
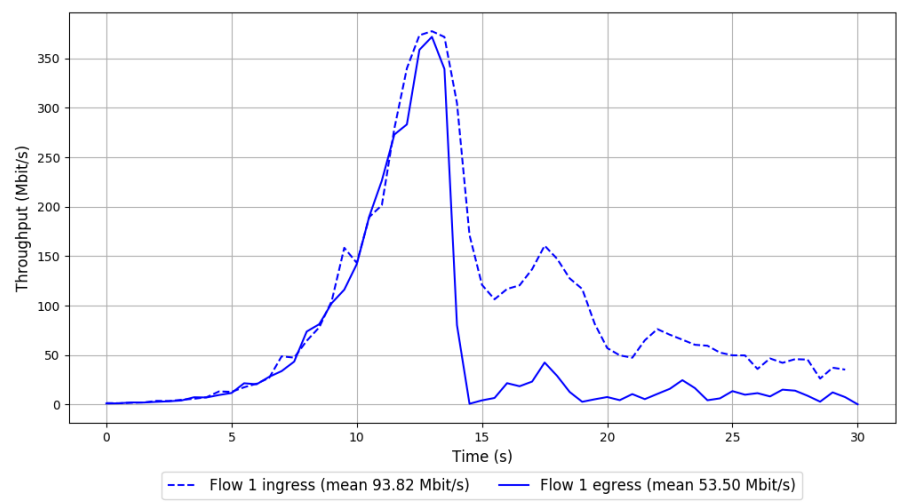
-- Flow 1:

Average throughput: 53.50 Mbit/s

95th percentile per-packet one-way delay: 136.848 ms

Loss rate: 42.98%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Sat, 05 Aug 2017 21:10:36 +0000

End at: Sat, 05 Aug 2017 21:11:06 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:49:55 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 130.58 Mbit/s

95th percentile per-packet one-way delay: 115.537 ms

Loss rate: 0.04%

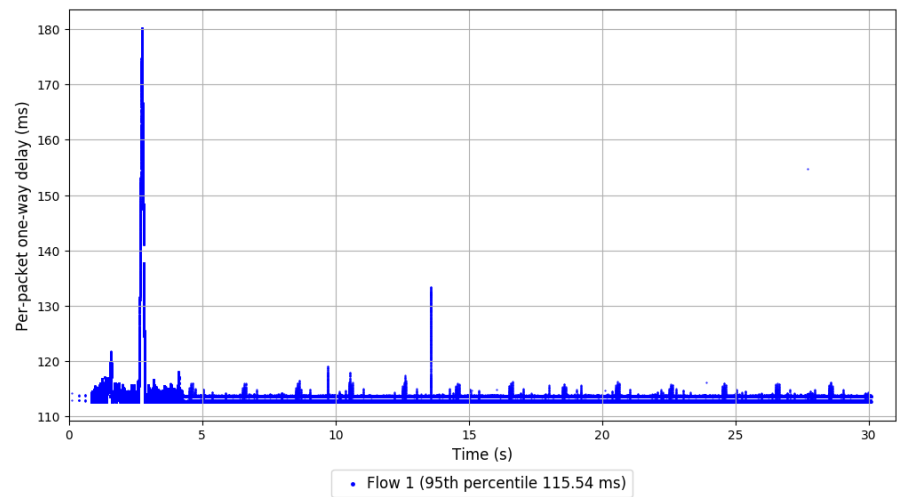
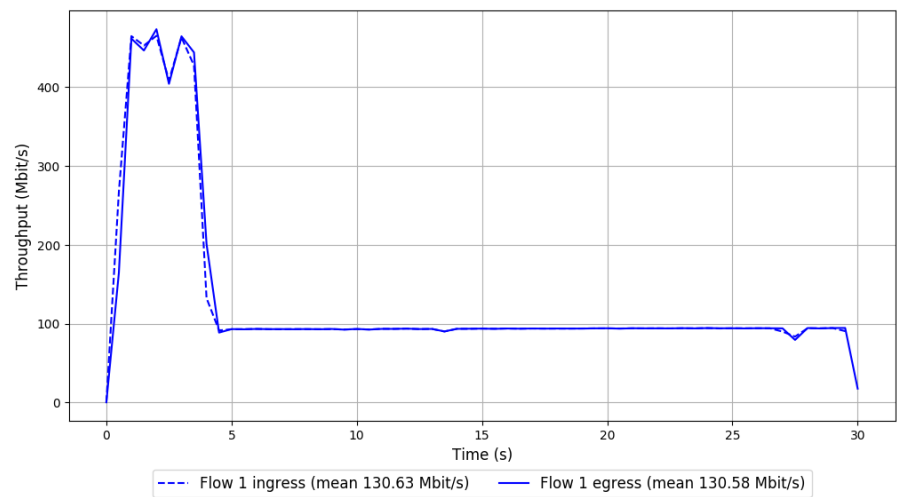
-- Flow 1:

Average throughput: 130.58 Mbit/s

95th percentile per-packet one-way delay: 115.537 ms

Loss rate: 0.04%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Sat, 05 Aug 2017 21:22:06 +0000

End at: Sat, 05 Aug 2017 21:22:36 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:49:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 116.07 Mbit/s

95th percentile per-packet one-way delay: 113.663 ms

Loss rate: 0.32%

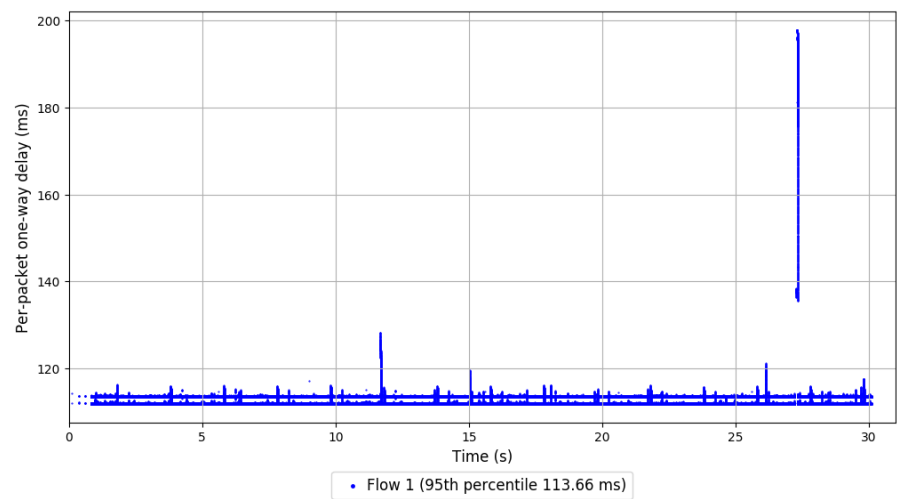
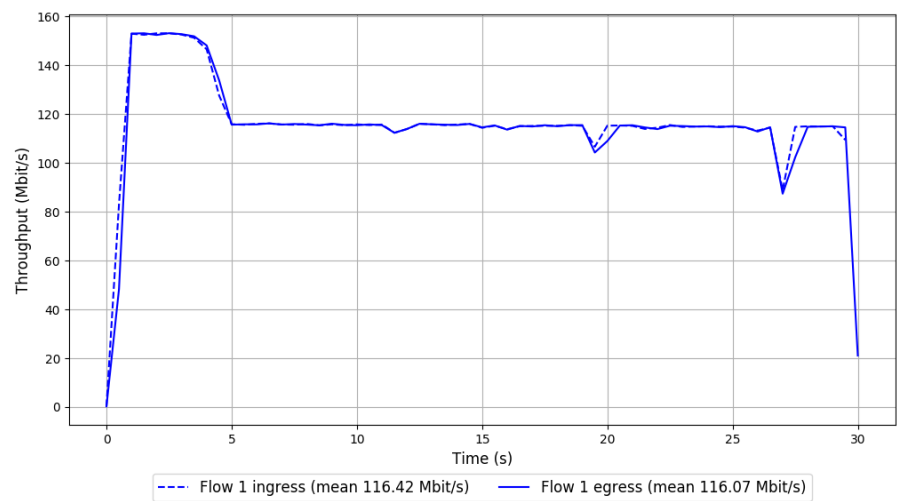
-- Flow 1:

Average throughput: 116.07 Mbit/s

95th percentile per-packet one-way delay: 113.663 ms

Loss rate: 0.32%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Sat, 05 Aug 2017 21:33:24 +0000

End at: Sat, 05 Aug 2017 21:33:54 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:50:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.80 Mbit/s

95th percentile per-packet one-way delay: 113.680 ms

Loss rate: 0.00%

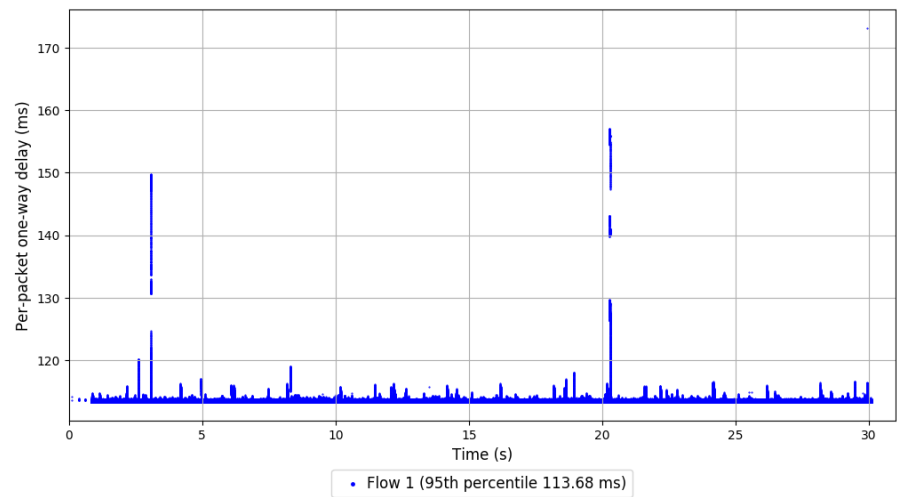
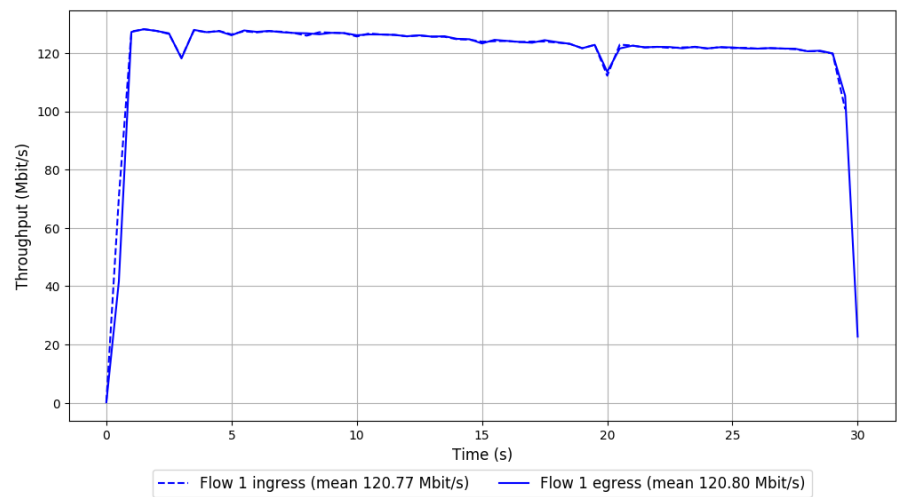
-- Flow 1:

Average throughput: 120.80 Mbit/s

95th percentile per-packet one-way delay: 113.680 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Sat, 05 Aug 2017 21:44:38 +0000

End at: Sat, 05 Aug 2017 21:45:08 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:50:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.09 Mbit/s

95th percentile per-packet one-way delay: 114.154 ms

Loss rate: 0.00%

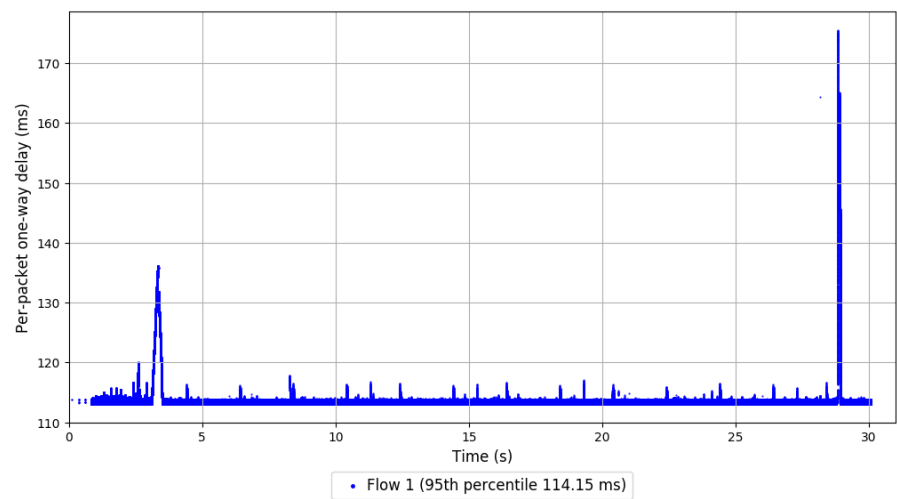
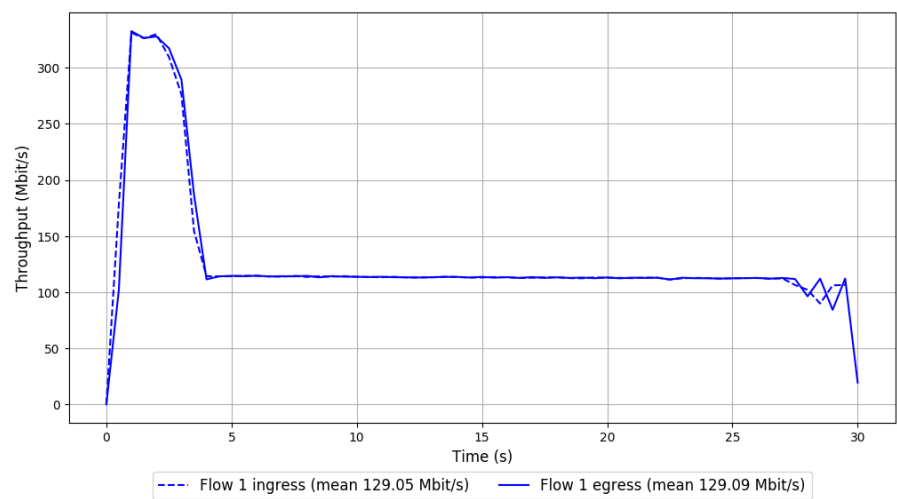
-- Flow 1:

Average throughput: 129.09 Mbit/s

95th percentile per-packet one-way delay: 114.154 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Sat, 05 Aug 2017 21:56:14 +0000

End at: Sat, 05 Aug 2017 21:56:44 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:51:24 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 115.62 Mbit/s

95th percentile per-packet one-way delay: 113.488 ms

Loss rate: 0.00%

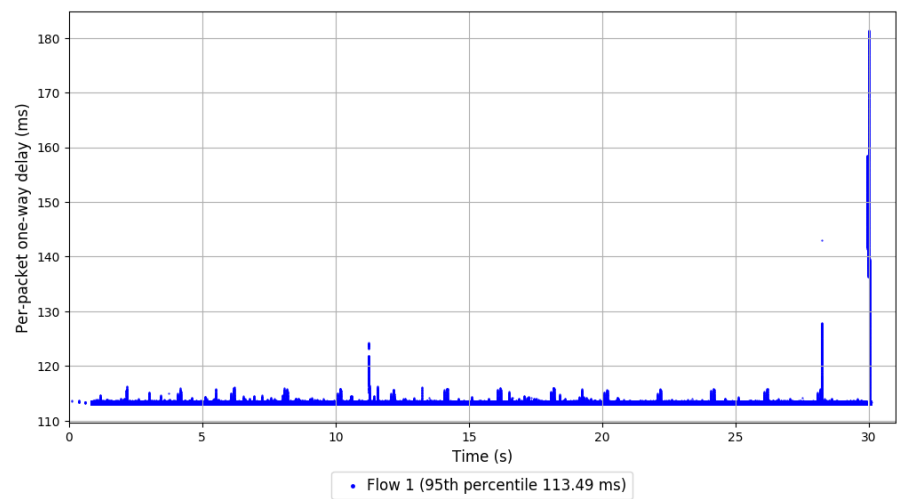
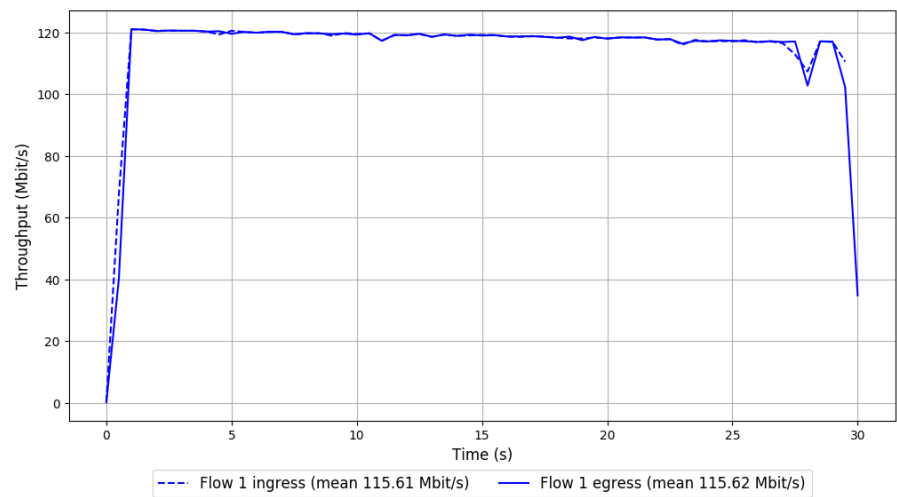
-- Flow 1:

Average throughput: 115.62 Mbit/s

95th percentile per-packet one-way delay: 113.488 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Sat, 05 Aug 2017 22:07:26 +0000

End at: Sat, 05 Aug 2017 22:07:56 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:51:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.52 Mbit/s

95th percentile per-packet one-way delay: 113.194 ms

Loss rate: 0.00%

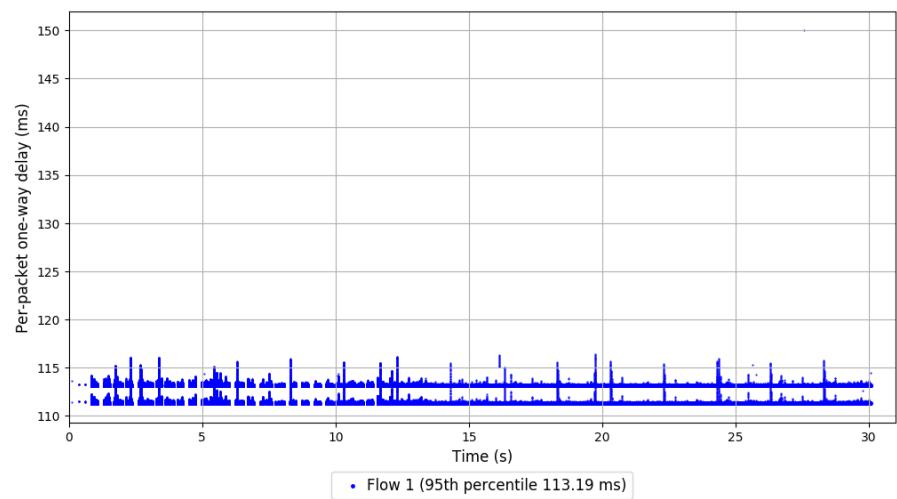
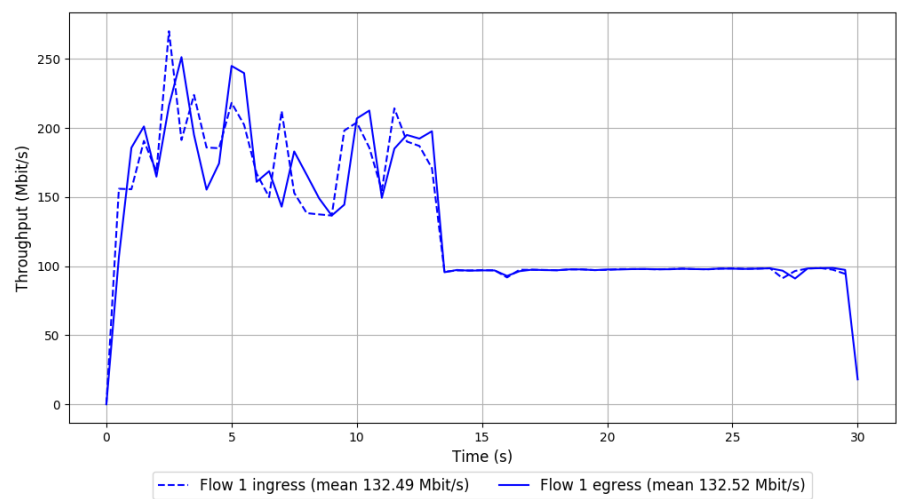
-- Flow 1:

Average throughput: 132.52 Mbit/s

95th percentile per-packet one-way delay: 113.194 ms

Loss rate: 0.00%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Sat, 05 Aug 2017 22:18:46 +0000

End at: Sat, 05 Aug 2017 22:19:16 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:51:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.40 Mbit/s

95th percentile per-packet one-way delay: 112.492 ms

Loss rate: 0.00%

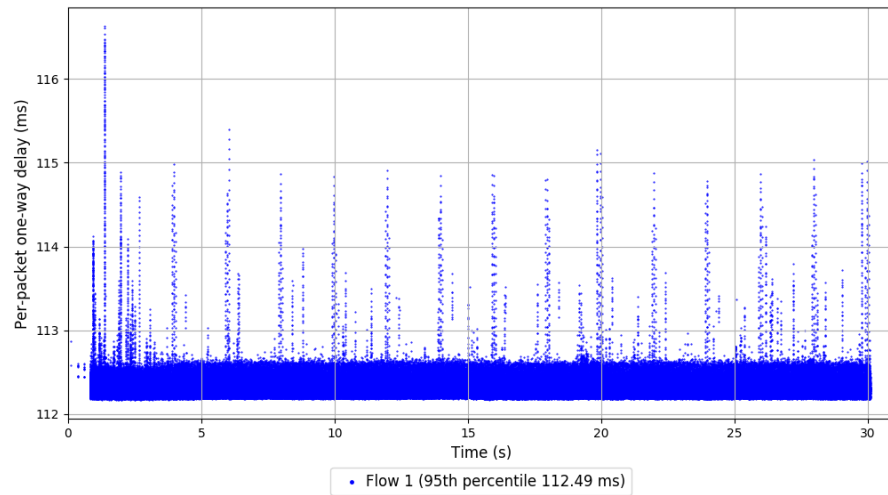
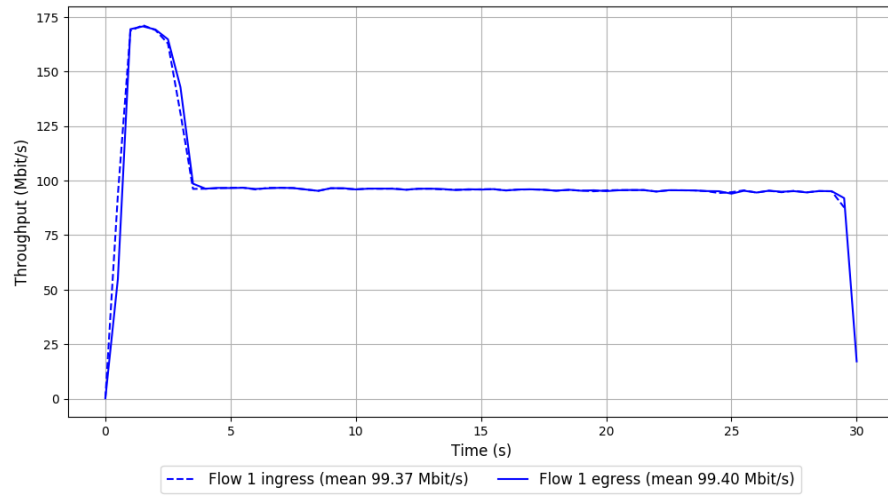
-- Flow 1:

Average throughput: 99.40 Mbit/s

95th percentile per-packet one-way delay: 112.492 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Sat, 05 Aug 2017 22:30:22 +0000

End at: Sat, 05 Aug 2017 22:30:52 +0000

Run 8: Report of Copa — Data Link

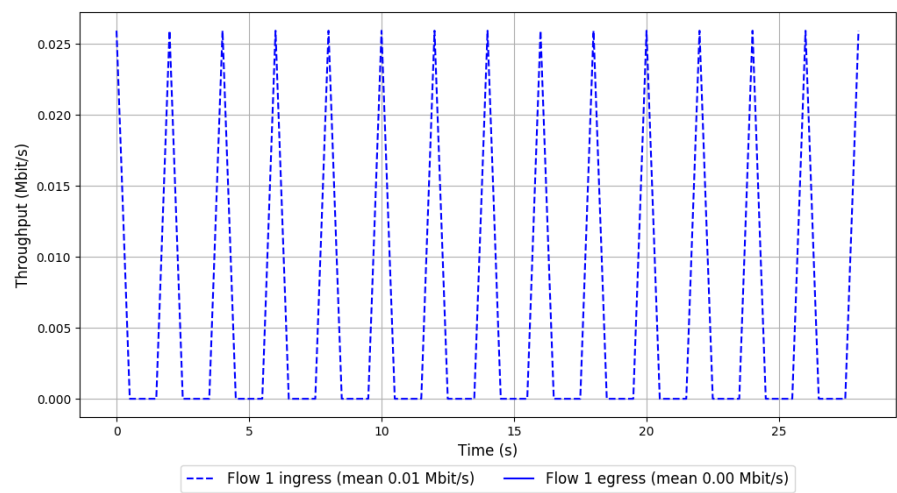


Figure is missing

Run 9: Statistics of Copa

Start at: Sat, 05 Aug 2017 22:41:43 +0000

End at: Sat, 05 Aug 2017 22:42:13 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:52:23 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.95 Mbit/s

95th percentile per-packet one-way delay: 112.302 ms

Loss rate: 0.00%

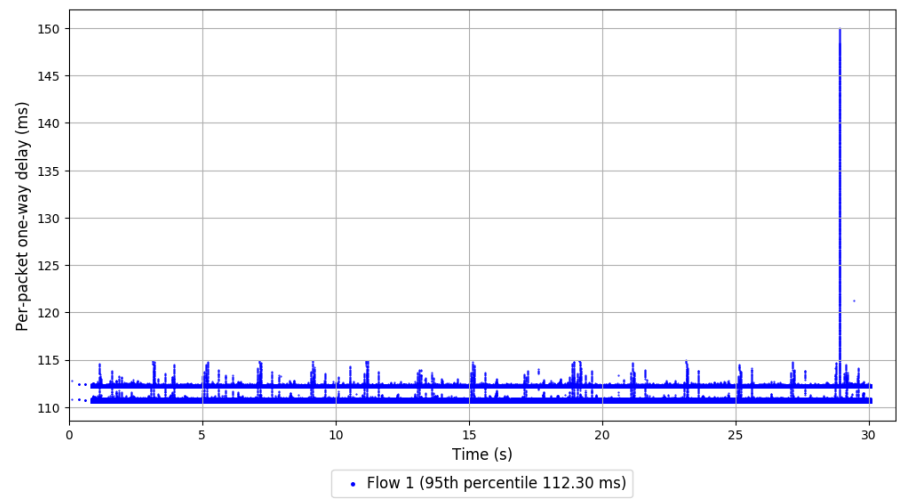
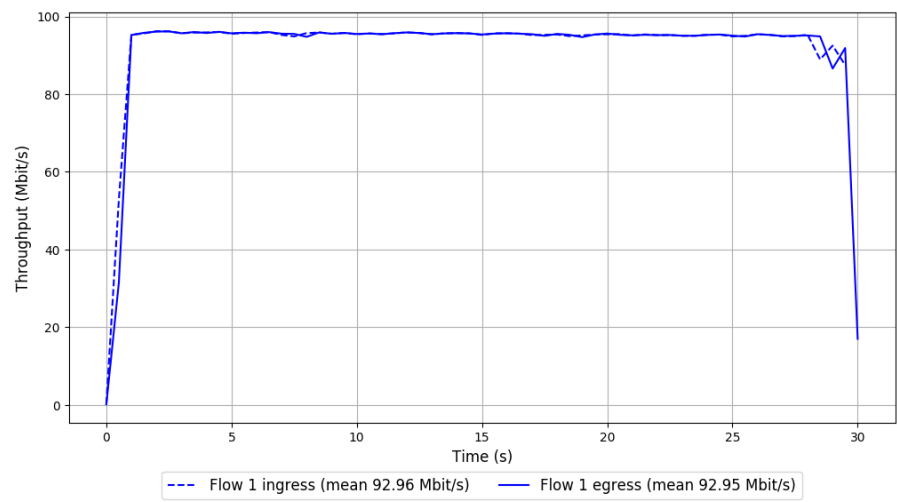
-- Flow 1:

Average throughput: 92.95 Mbit/s

95th percentile per-packet one-way delay: 112.302 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Sat, 05 Aug 2017 22:52:53 +0000

End at: Sat, 05 Aug 2017 22:53:23 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:52:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 115.12 Mbit/s

95th percentile per-packet one-way delay: 112.322 ms

Loss rate: 0.00%

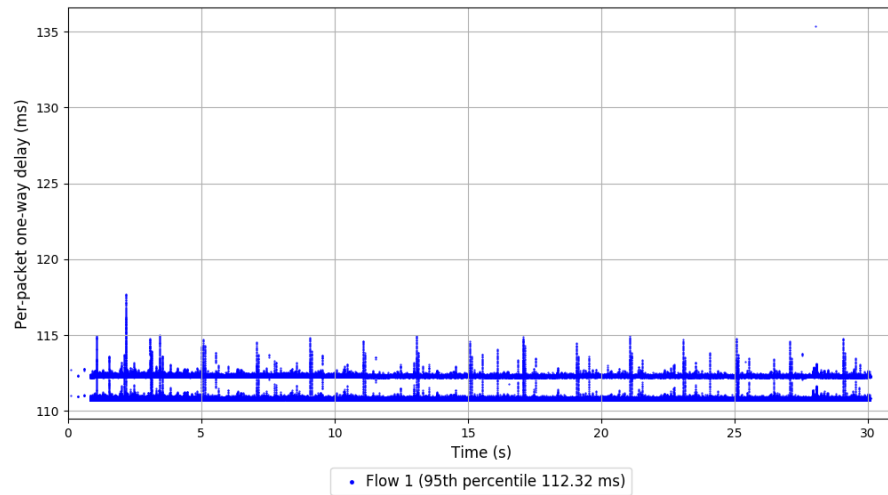
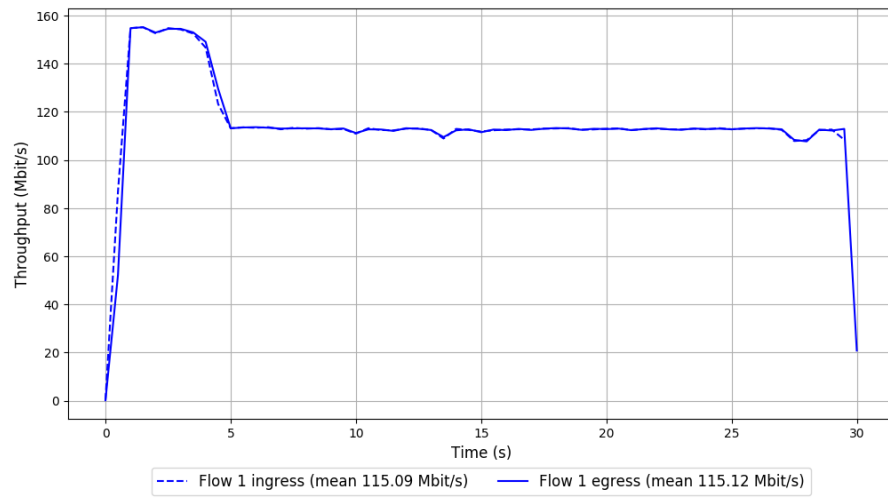
-- Flow 1:

Average throughput: 115.12 Mbit/s

95th percentile per-packet one-way delay: 112.322 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Sat, 05 Aug 2017 21:05:39 +0000

End at: Sat, 05 Aug 2017 21:06:09 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:52:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.54 Mbit/s

95th percentile per-packet one-way delay: 115.484 ms

Loss rate: 1.51%

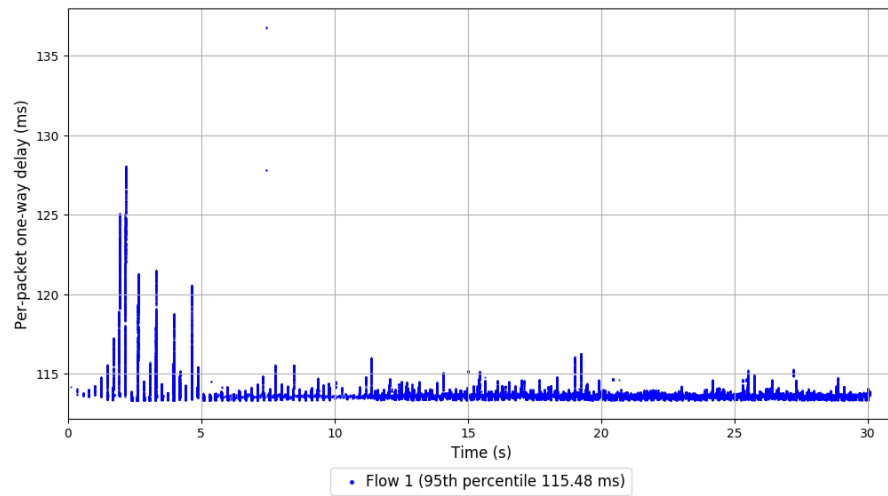
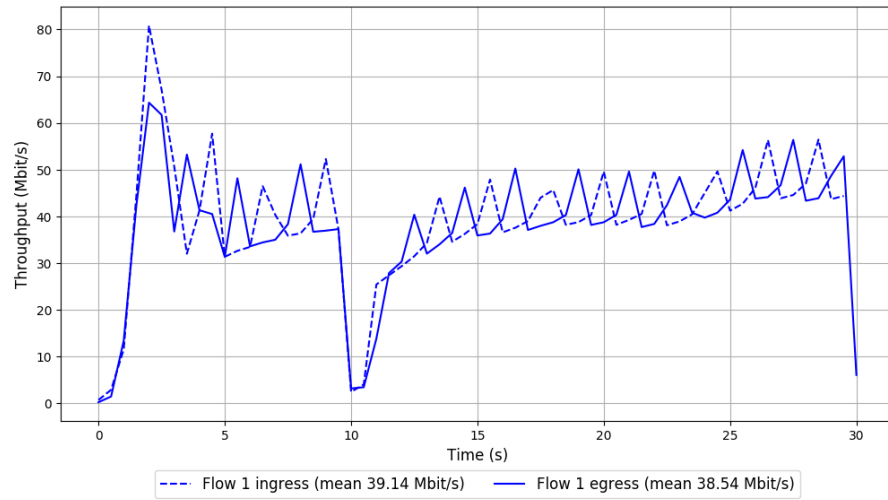
-- Flow 1:

Average throughput: 38.54 Mbit/s

95th percentile per-packet one-way delay: 115.484 ms

Loss rate: 1.51%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Sat, 05 Aug 2017 21:16:43 +0000

End at: Sat, 05 Aug 2017 21:17:13 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:52:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.78 Mbit/s

95th percentile per-packet one-way delay: 114.013 ms

Loss rate: 2.45%

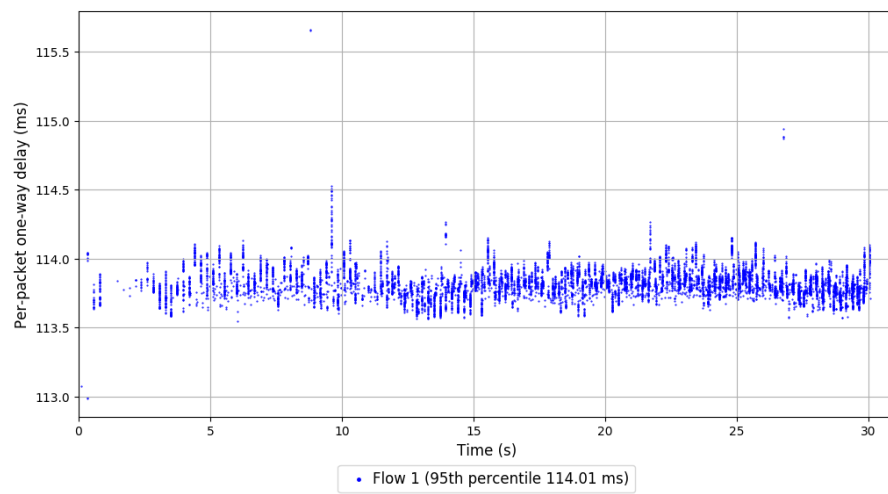
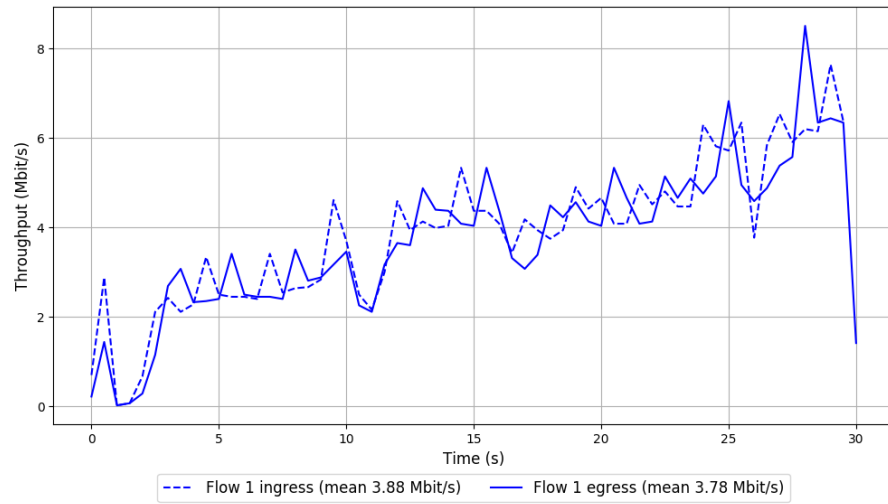
-- Flow 1:

Average throughput: 3.78 Mbit/s

95th percentile per-packet one-way delay: 114.013 ms

Loss rate: 2.45%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Sat, 05 Aug 2017 21:28:07 +0000

End at: Sat, 05 Aug 2017 21:28:37 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:52:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.89 Mbit/s

95th percentile per-packet one-way delay: 116.691 ms

Loss rate: 0.46%

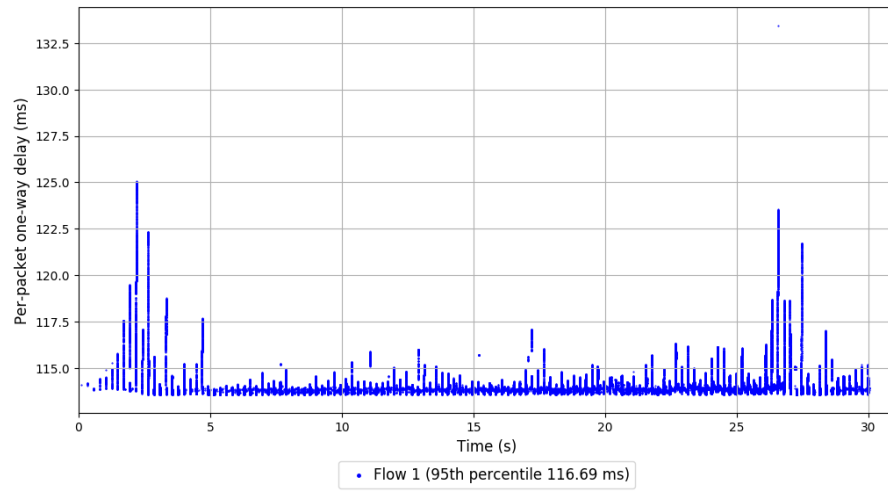
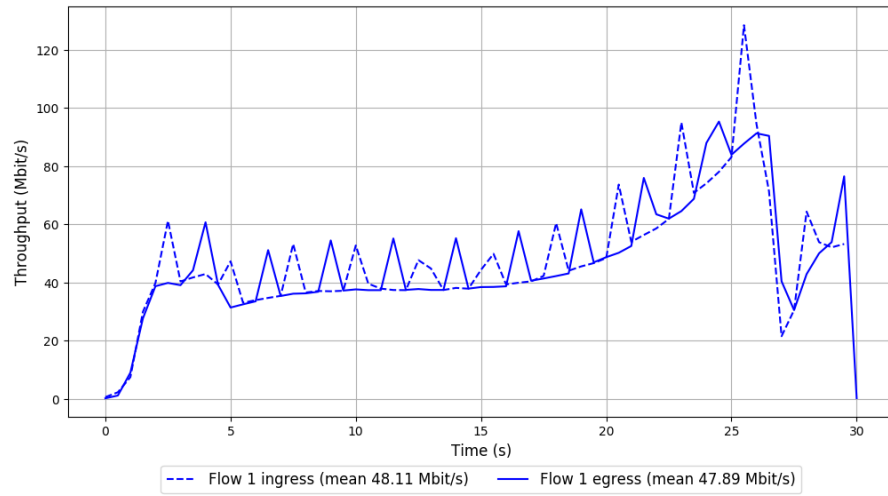
-- Flow 1:

Average throughput: 47.89 Mbit/s

95th percentile per-packet one-way delay: 116.691 ms

Loss rate: 0.46%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Sat, 05 Aug 2017 21:39:19 +0000

End at: Sat, 05 Aug 2017 21:39:49 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:52:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.33 Mbit/s

95th percentile per-packet one-way delay: 113.799 ms

Loss rate: 1.21%

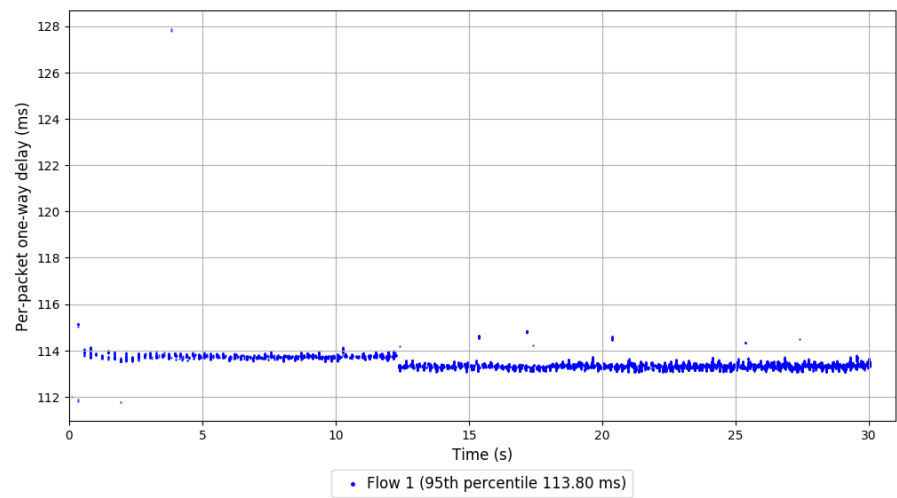
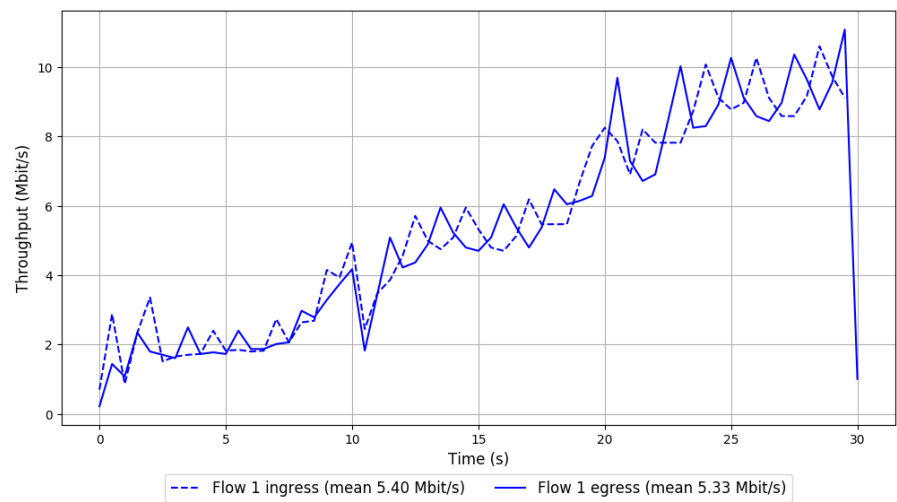
-- Flow 1:

Average throughput: 5.33 Mbit/s

95th percentile per-packet one-way delay: 113.799 ms

Loss rate: 1.21%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Sat, 05 Aug 2017 21:50:47 +0000

End at: Sat, 05 Aug 2017 21:51:17 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:52:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.04 Mbit/s

95th percentile per-packet one-way delay: 113.543 ms

Loss rate: 1.51%

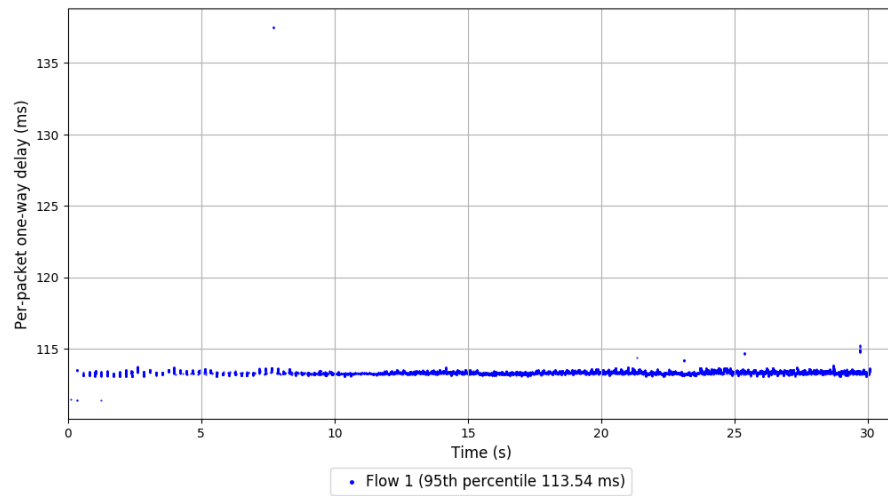
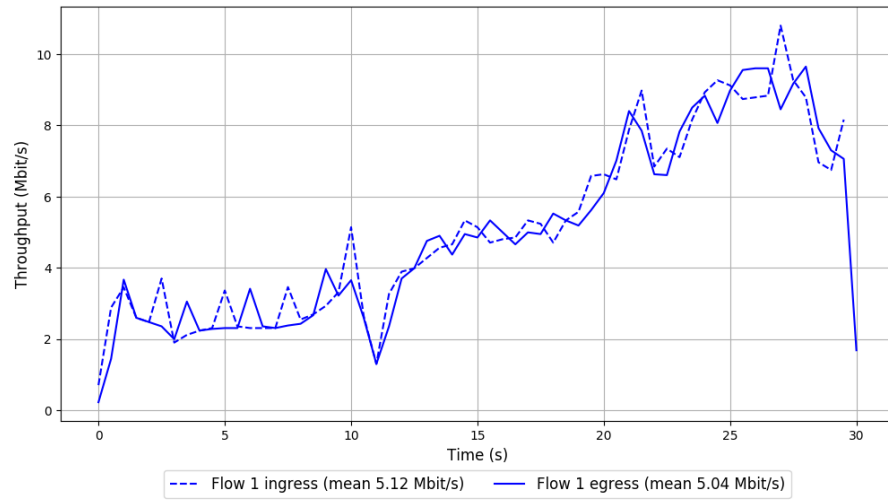
-- Flow 1:

Average throughput: 5.04 Mbit/s

95th percentile per-packet one-way delay: 113.543 ms

Loss rate: 1.51%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Sat, 05 Aug 2017 22:02:15 +0000

End at: Sat, 05 Aug 2017 22:02:45 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:52:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.86 Mbit/s

95th percentile per-packet one-way delay: 115.031 ms

Loss rate: 0.23%

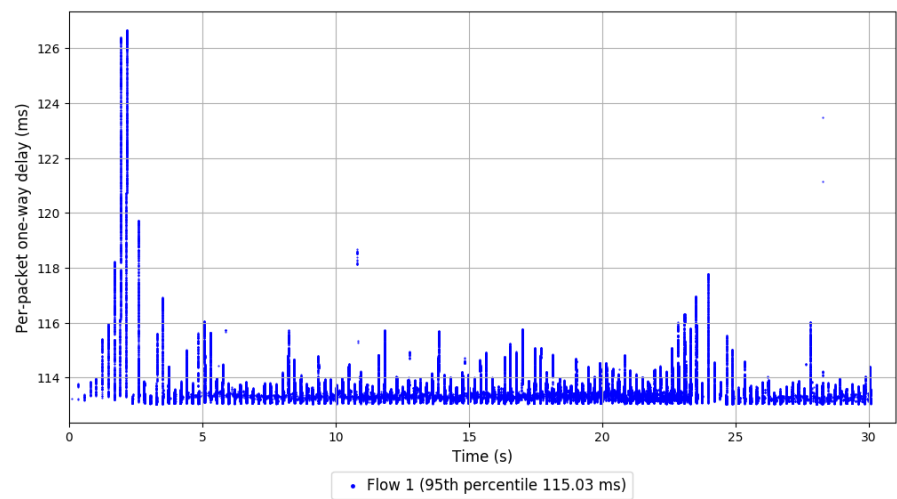
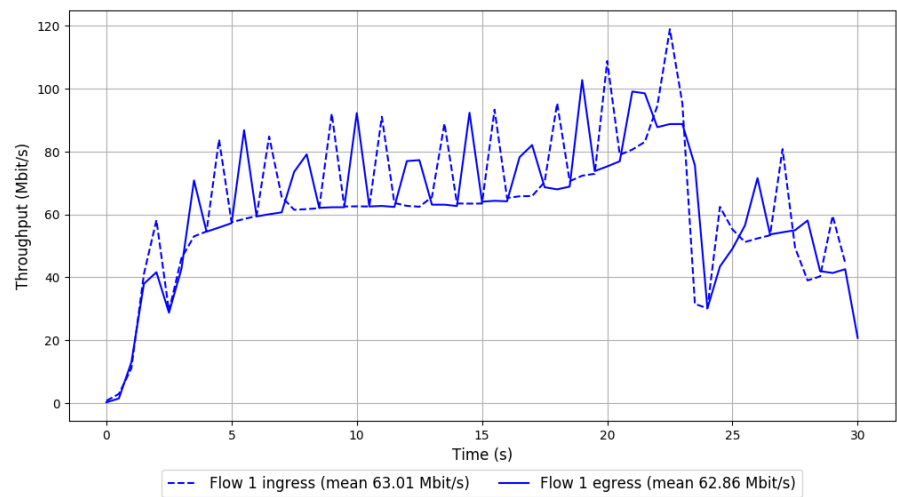
-- Flow 1:

Average throughput: 62.86 Mbit/s

95th percentile per-packet one-way delay: 115.031 ms

Loss rate: 0.23%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Sat, 05 Aug 2017 22:13:27 +0000

End at: Sat, 05 Aug 2017 22:13:57 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:52:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.08 Mbit/s

95th percentile per-packet one-way delay: 114.929 ms

Loss rate: 0.45%

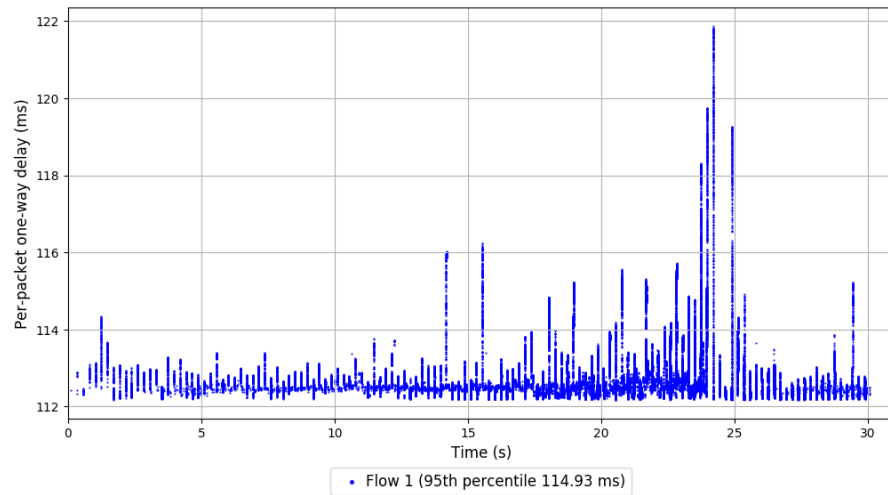
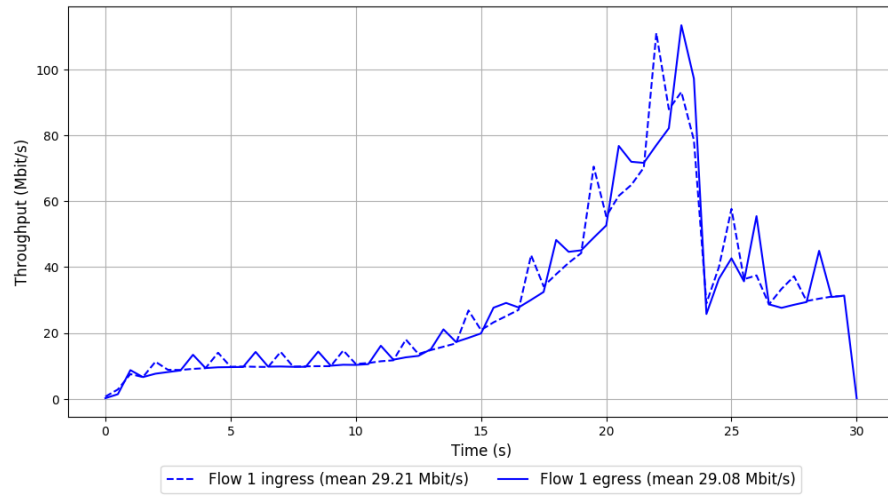
-- Flow 1:

Average throughput: 29.08 Mbit/s

95th percentile per-packet one-way delay: 114.929 ms

Loss rate: 0.45%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Sat, 05 Aug 2017 22:24:47 +0000

End at: Sat, 05 Aug 2017 22:25:17 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:52:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 19.36 Mbit/s

95th percentile per-packet one-way delay: 113.341 ms

Loss rate: 0.10%

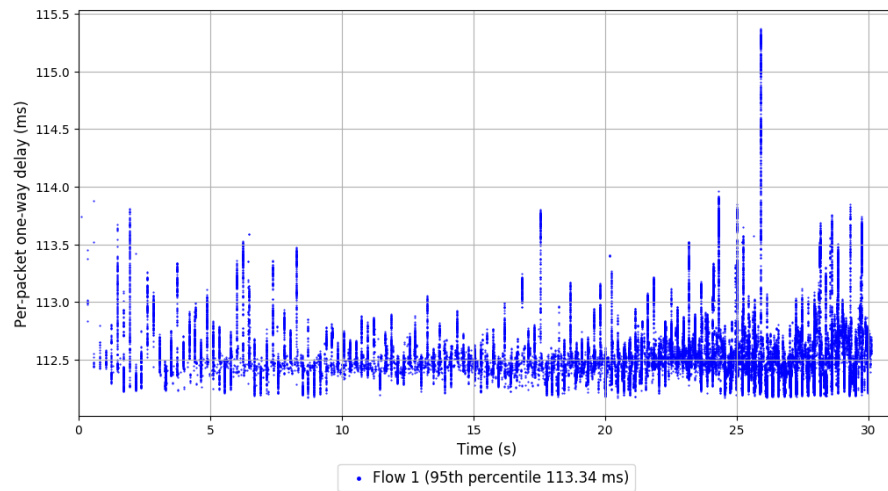
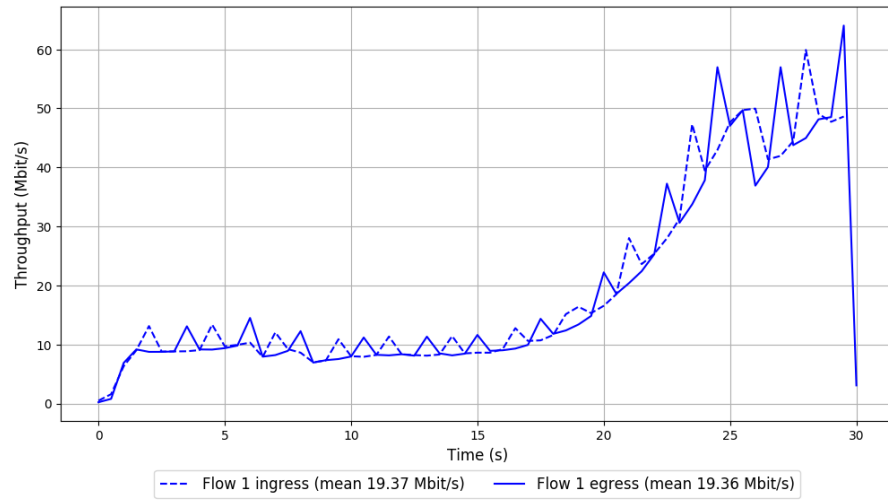
-- Flow 1:

Average throughput: 19.36 Mbit/s

95th percentile per-packet one-way delay: 113.341 ms

Loss rate: 0.10%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Sat, 05 Aug 2017 22:36:16 +0000

End at: Sat, 05 Aug 2017 22:36:46 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.65 Mbit/s

95th percentile per-packet one-way delay: 113.312 ms

Loss rate: 0.09%

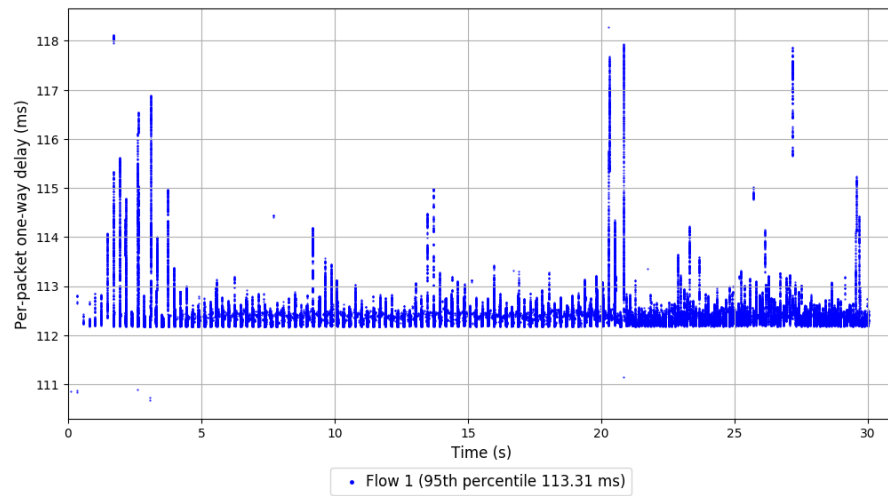
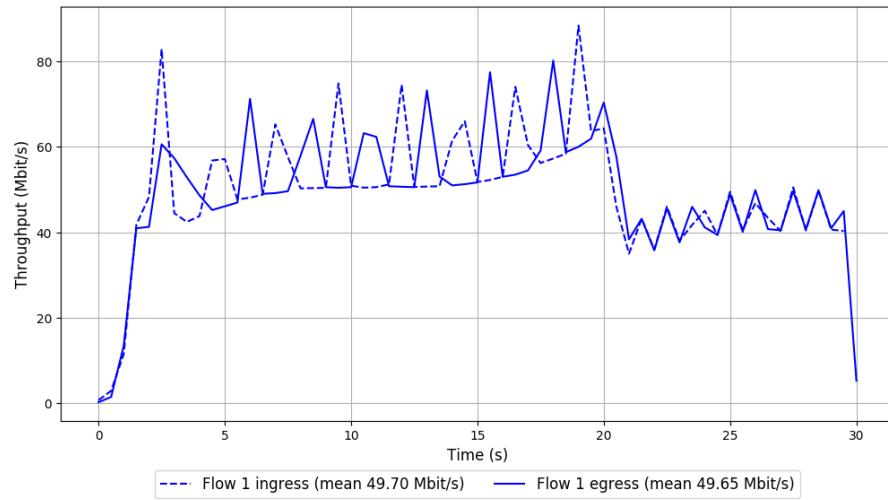
-- Flow 1:

Average throughput: 49.65 Mbit/s

95th percentile per-packet one-way delay: 113.312 ms

Loss rate: 0.09%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Sat, 05 Aug 2017 22:47:48 +0000

End at: Sat, 05 Aug 2017 22:48:18 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 21.11 Mbit/s

95th percentile per-packet one-way delay: 113.124 ms

Loss rate: 1.36%

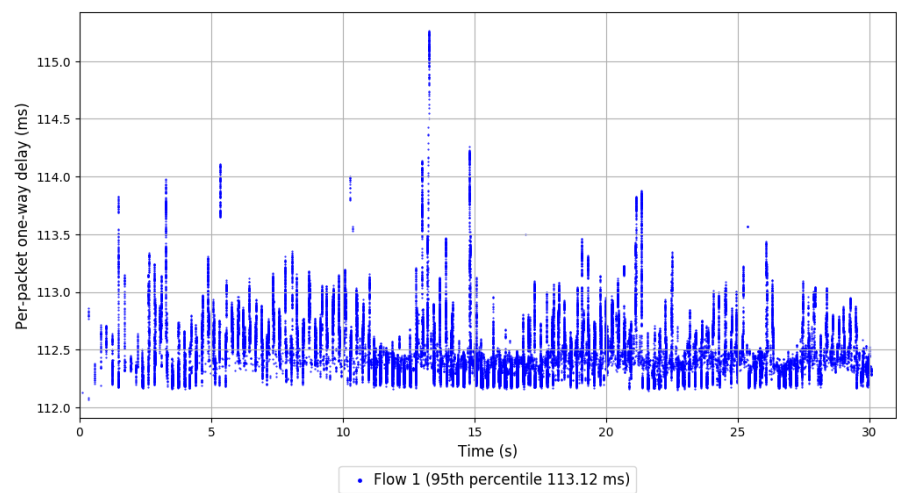
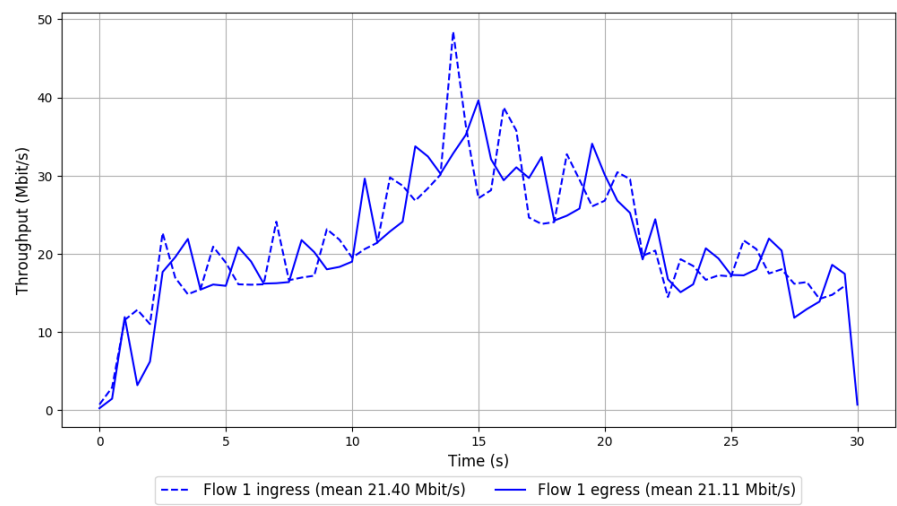
-- Flow 1:

Average throughput: 21.11 Mbit/s

95th percentile per-packet one-way delay: 113.124 ms

Loss rate: 1.36%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Sat, 05 Aug 2017 21:04:17 +0000

End at: Sat, 05 Aug 2017 21:04:47 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.10 Mbit/s

95th percentile per-packet one-way delay: 113.867 ms

Loss rate: 0.00%

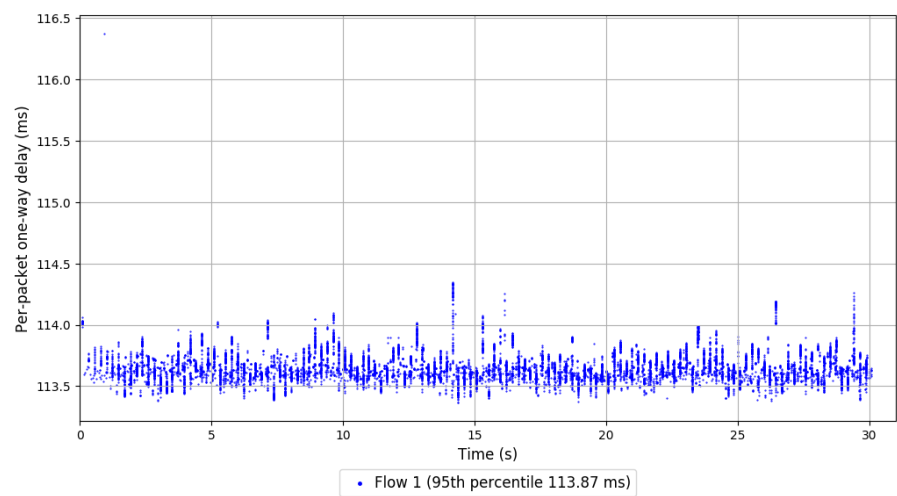
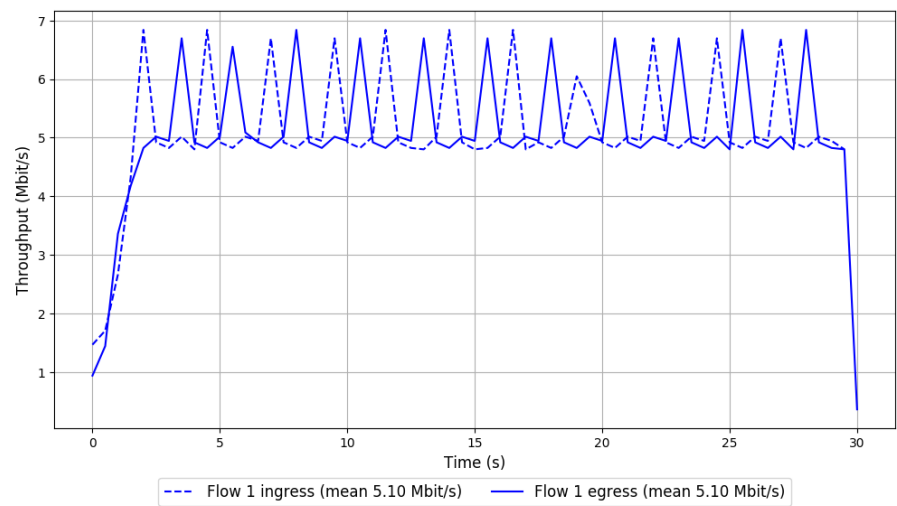
-- Flow 1:

Average throughput: 5.10 Mbit/s

95th percentile per-packet one-way delay: 113.867 ms

Loss rate: 0.00%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sat, 05 Aug 2017 21:15:22 +0000

End at: Sat, 05 Aug 2017 21:15:52 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 113.864 ms

Loss rate: 91.70%

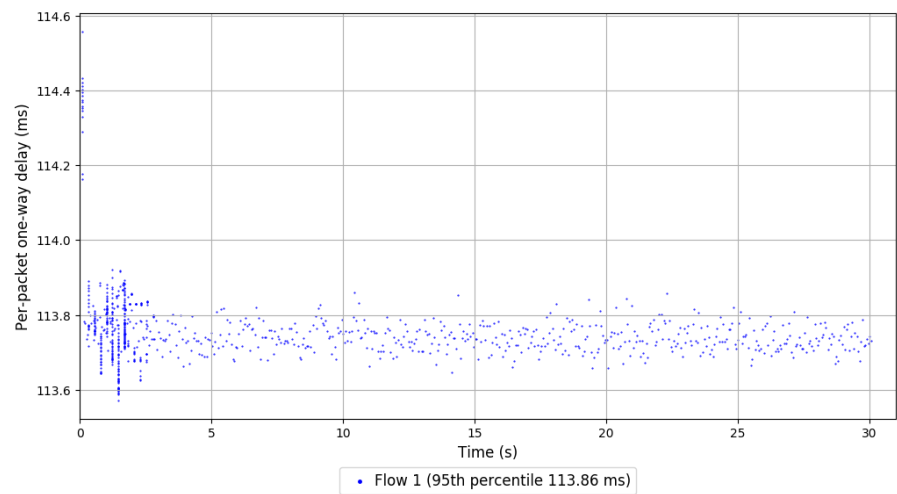
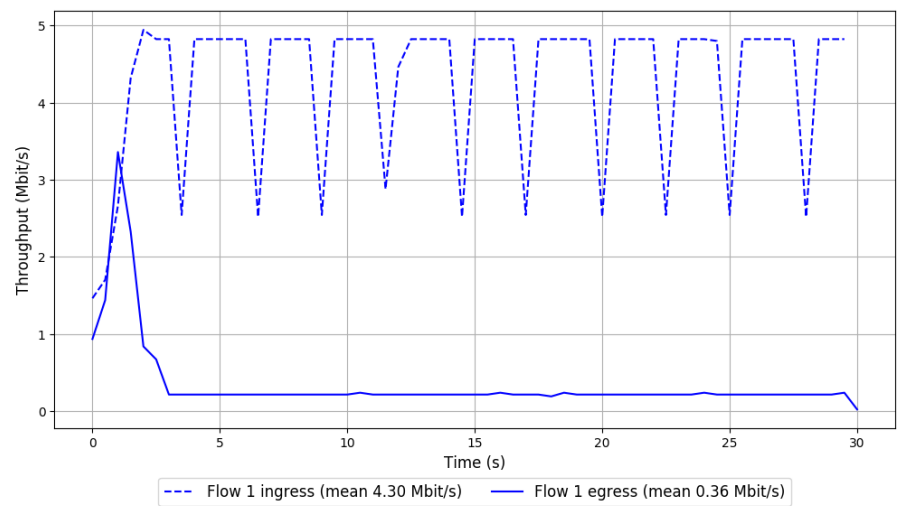
-- Flow 1:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 113.864 ms

Loss rate: 91.70%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Sat, 05 Aug 2017 21:26:46 +0000

End at: Sat, 05 Aug 2017 21:27:16 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 114.277 ms

Loss rate: 90.71%

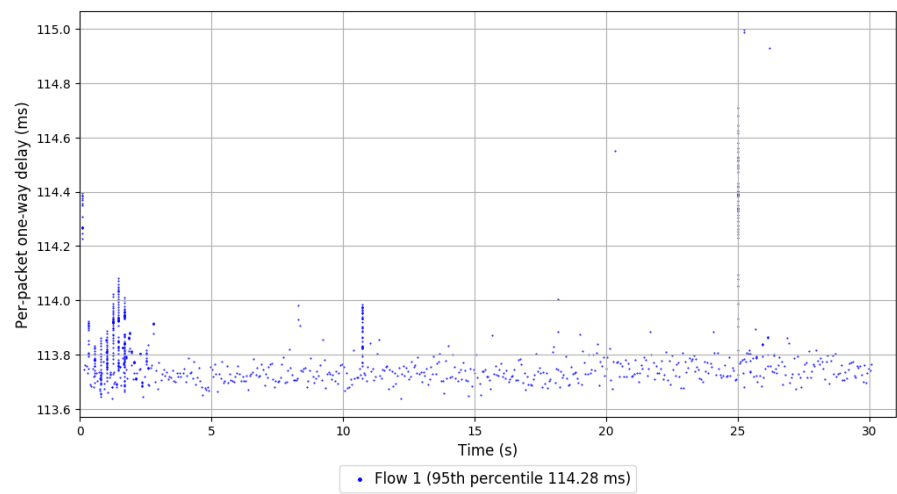
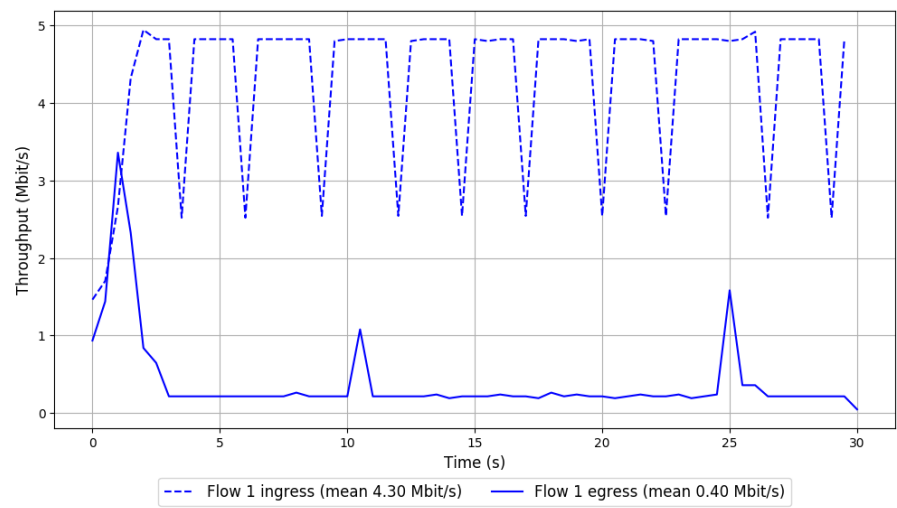
-- Flow 1:

Average throughput: 0.40 Mbit/s

95th percentile per-packet one-way delay: 114.277 ms

Loss rate: 90.71%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Sat, 05 Aug 2017 21:37:57 +0000

End at: Sat, 05 Aug 2017 21:38:27 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:05 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.50 Mbit/s

95th percentile per-packet one-way delay: 114.020 ms

Loss rate: 28.56%

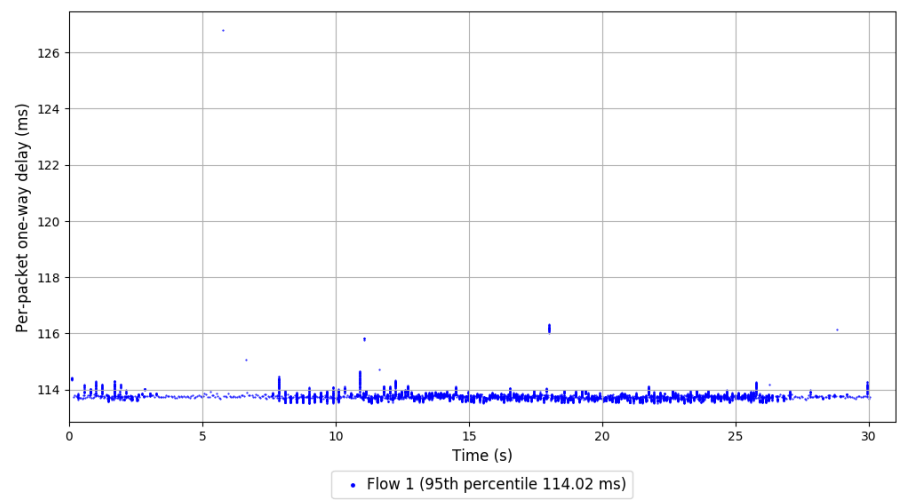
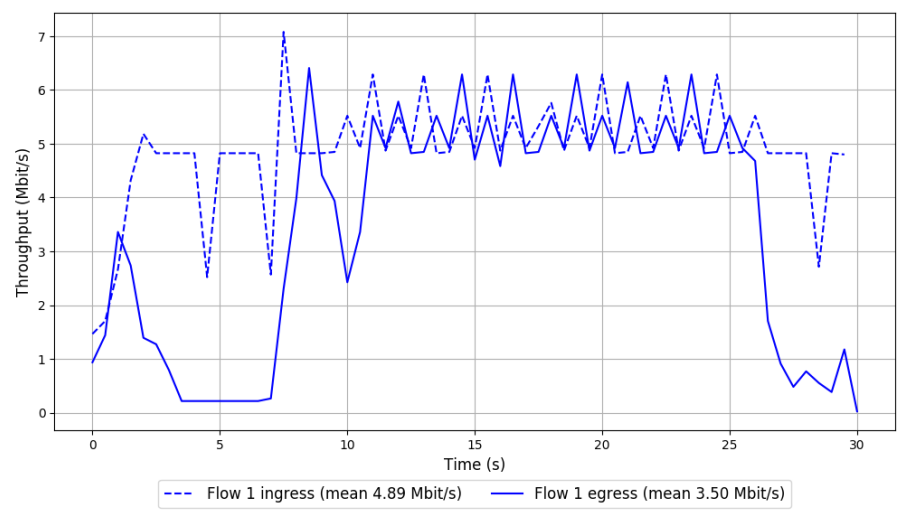
-- Flow 1:

Average throughput: 3.50 Mbit/s

95th percentile per-packet one-way delay: 114.020 ms

Loss rate: 28.56%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Sat, 05 Aug 2017 21:49:25 +0000

End at: Sat, 05 Aug 2017 21:49:55 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:05 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.10 Mbit/s

95th percentile per-packet one-way delay: 113.841 ms

Loss rate: 0.00%

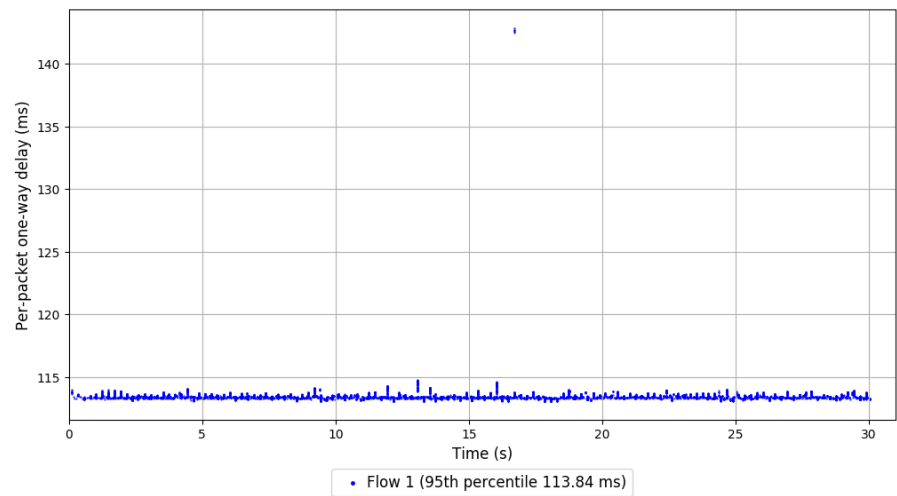
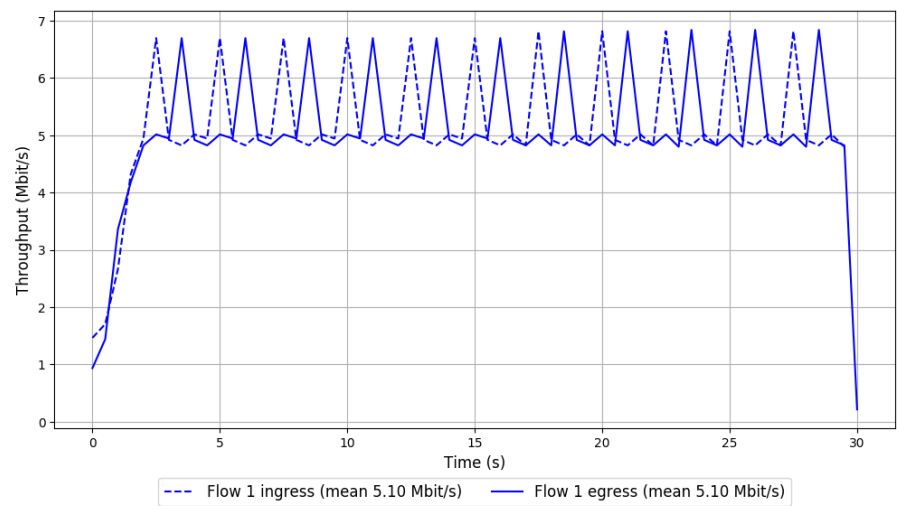
-- Flow 1:

Average throughput: 5.10 Mbit/s

95th percentile per-packet one-way delay: 113.841 ms

Loss rate: 0.00%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Sat, 05 Aug 2017 22:00:53 +0000

End at: Sat, 05 Aug 2017 22:01:23 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:07 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.10 Mbit/s

95th percentile per-packet one-way delay: 113.728 ms

Loss rate: 0.62%

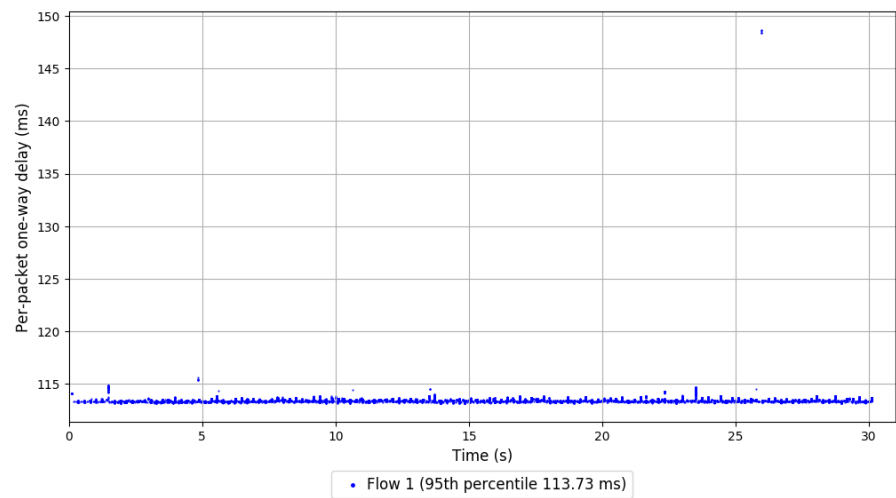
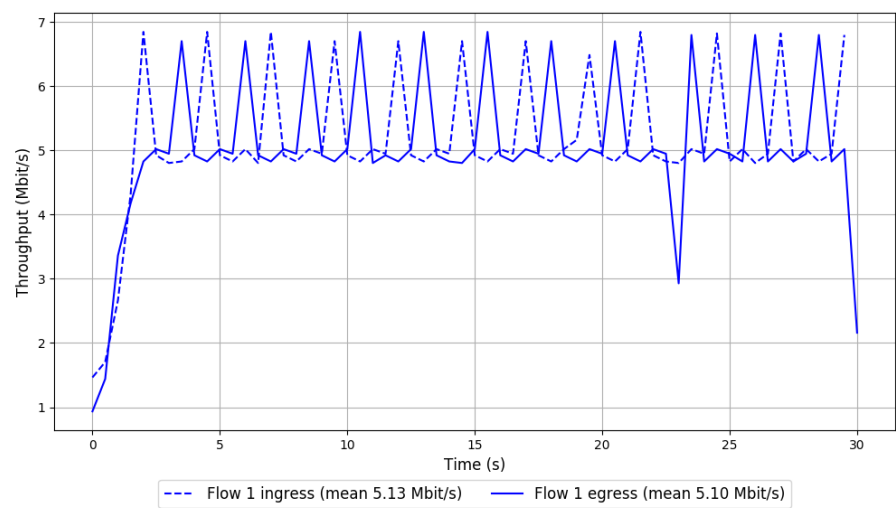
-- Flow 1:

Average throughput: 5.10 Mbit/s

95th percentile per-packet one-way delay: 113.728 ms

Loss rate: 0.62%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Sat, 05 Aug 2017 22:12:05 +0000

End at: Sat, 05 Aug 2017 22:12:35 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.14 Mbit/s

95th percentile per-packet one-way delay: 112.909 ms

Loss rate: 0.00%

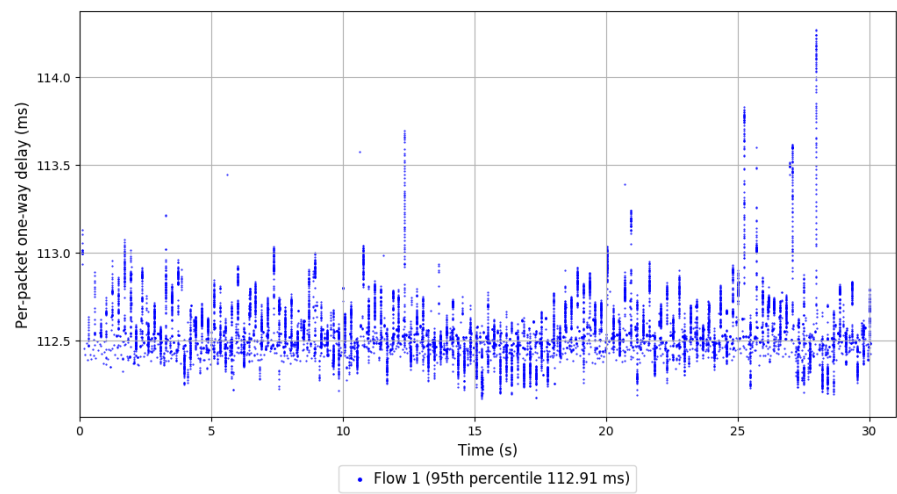
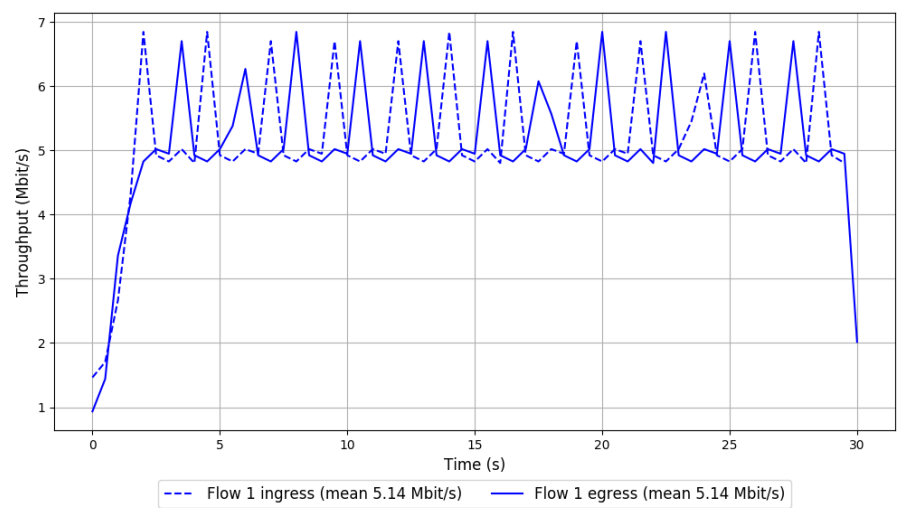
-- Flow 1:

Average throughput: 5.14 Mbit/s

95th percentile per-packet one-way delay: 112.909 ms

Loss rate: 0.00%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Sat, 05 Aug 2017 22:23:25 +0000

End at: Sat, 05 Aug 2017 22:23:55 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:10 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.17 Mbit/s

95th percentile per-packet one-way delay: 112.792 ms

Loss rate: 0.00%

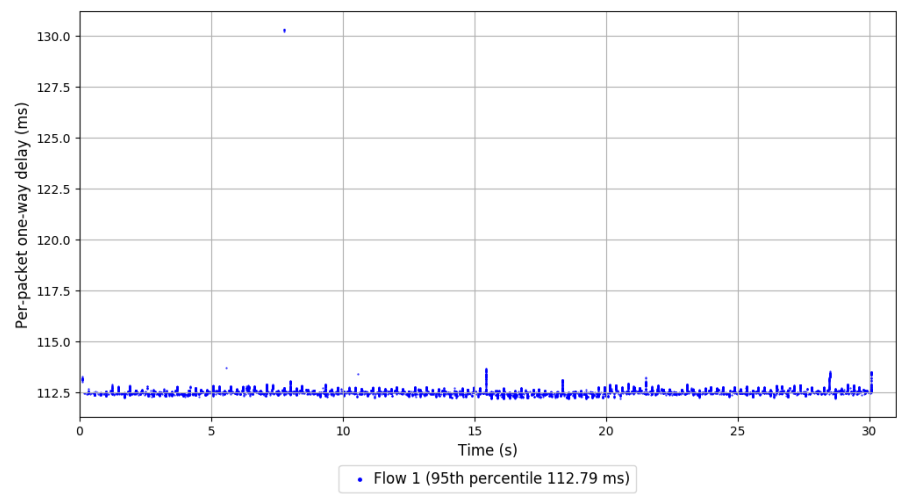
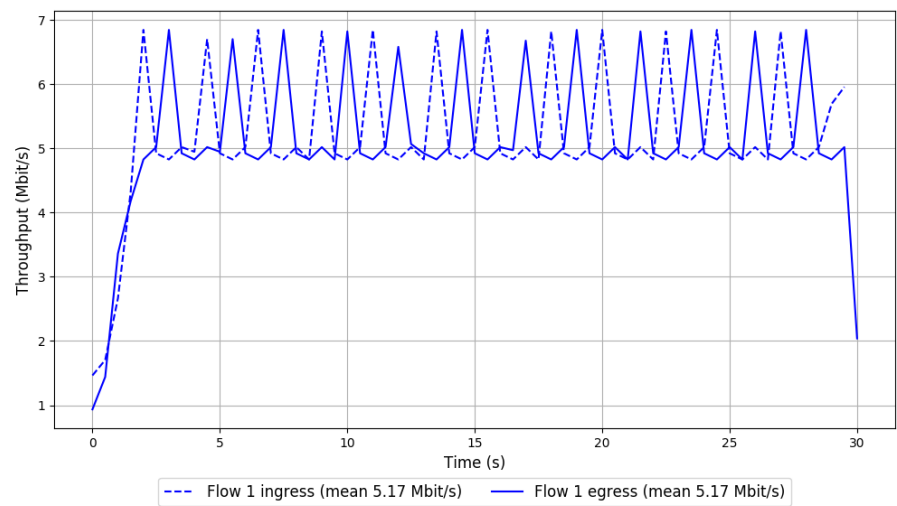
-- Flow 1:

Average throughput: 5.17 Mbit/s

95th percentile per-packet one-way delay: 112.792 ms

Loss rate: 0.00%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Sat, 05 Aug 2017 22:34:54 +0000

End at: Sat, 05 Aug 2017 22:35:24 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:10 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.19 Mbit/s

95th percentile per-packet one-way delay: 112.589 ms

Loss rate: 0.00%

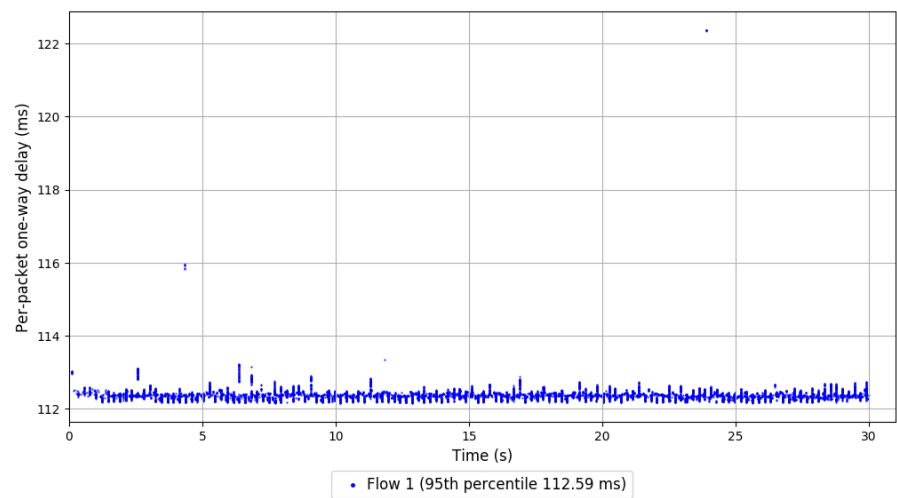
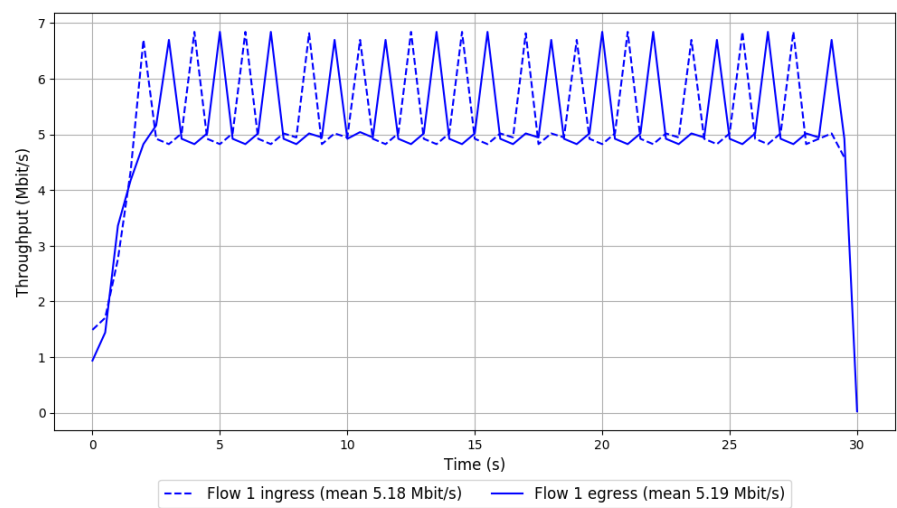
-- Flow 1:

Average throughput: 5.19 Mbit/s

95th percentile per-packet one-way delay: 112.589 ms

Loss rate: 0.00%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Sat, 05 Aug 2017 22:46:26 +0000

End at: Sat, 05 Aug 2017 22:46:56 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.14 Mbit/s

95th percentile per-packet one-way delay: 112.670 ms

Loss rate: 0.00%

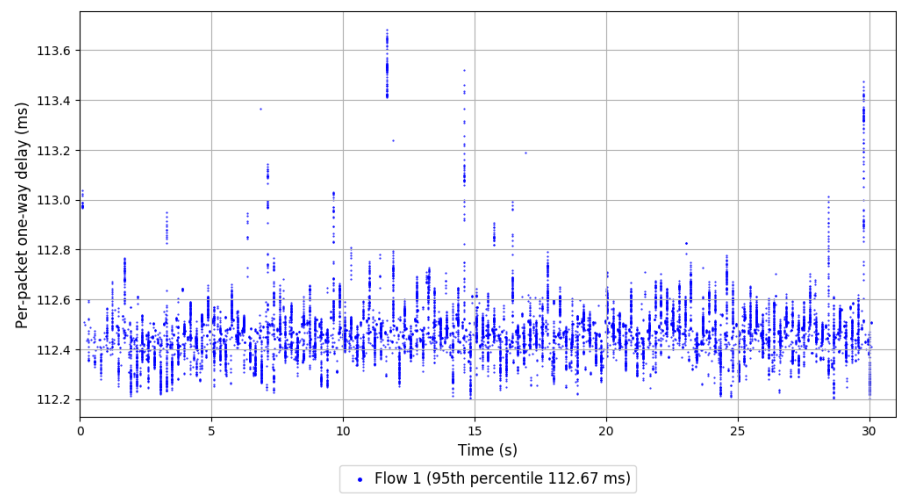
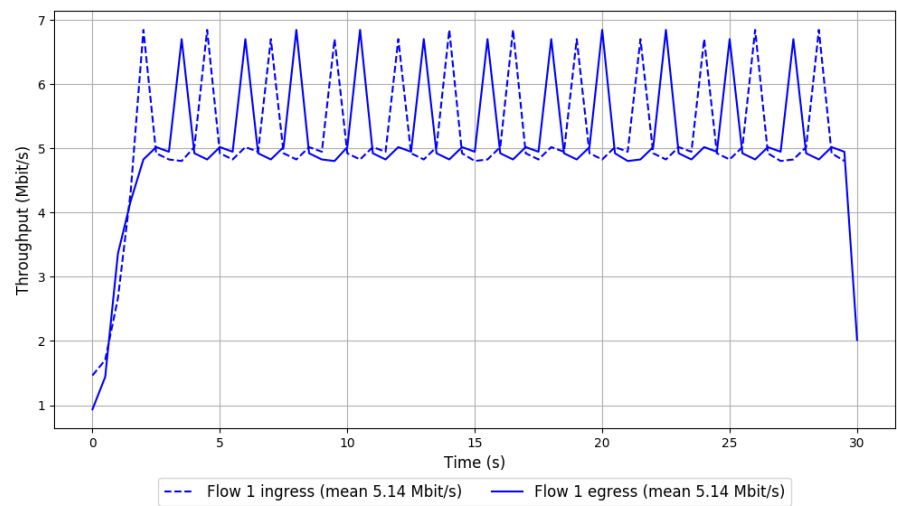
-- Flow 1:

Average throughput: 5.14 Mbit/s

95th percentile per-packet one-way delay: 112.670 ms

Loss rate: 0.00%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Sat, 05 Aug 2017 21:14:41 +0000

End at: Sat, 05 Aug 2017 21:15:11 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.79 Mbit/s

95th percentile per-packet one-way delay: 114.000 ms

Loss rate: 2.19%

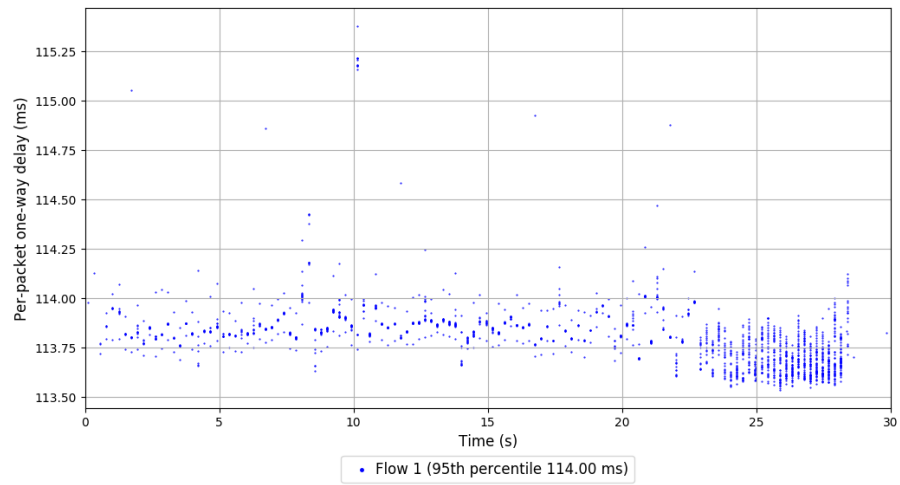
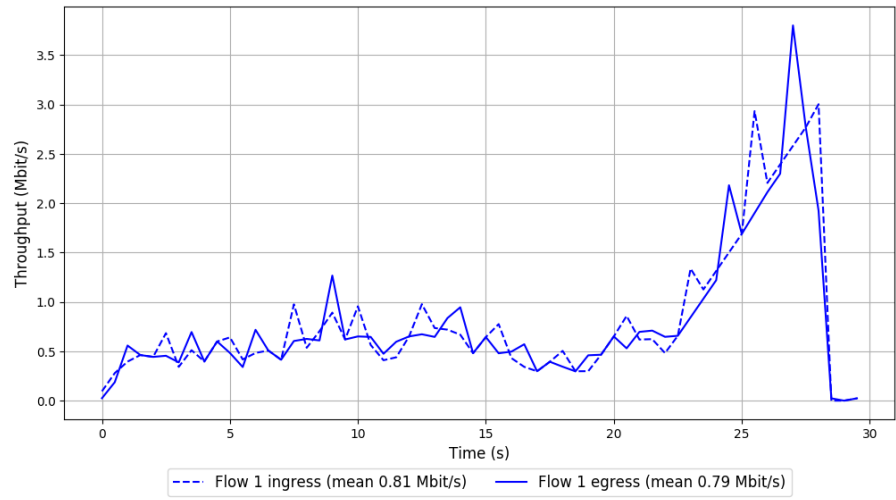
-- Flow 1:

Average throughput: 0.79 Mbit/s

95th percentile per-packet one-way delay: 114.000 ms

Loss rate: 2.19%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Sat, 05 Aug 2017 21:26:05 +0000

End at: Sat, 05 Aug 2017 21:26:35 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 114.475 ms

Loss rate: 0.26%

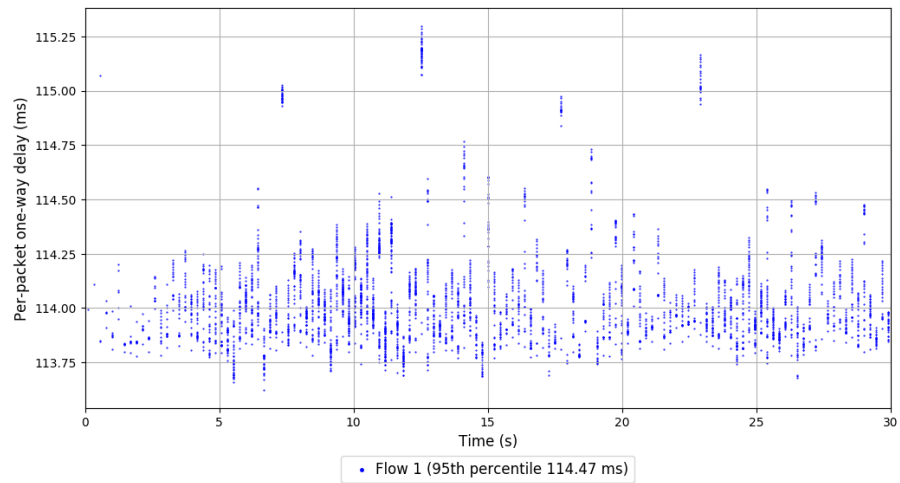
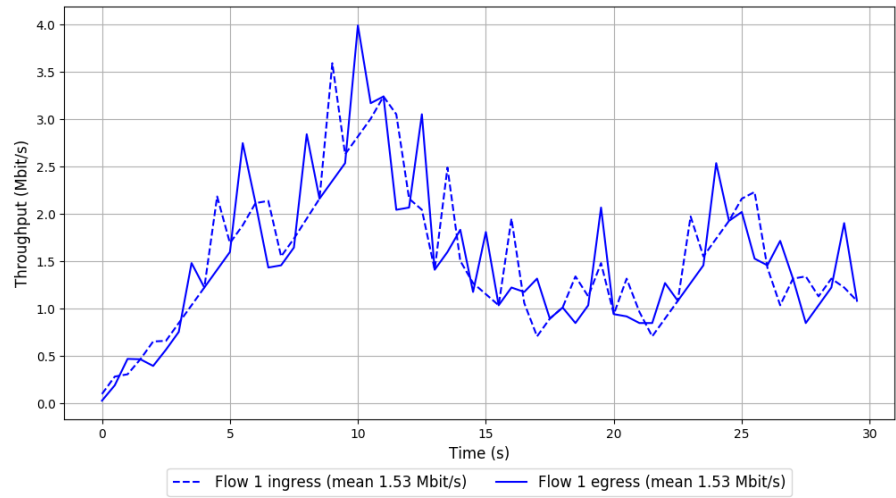
-- Flow 1:

Average throughput: 1.53 Mbit/s

95th percentile per-packet one-way delay: 114.475 ms

Loss rate: 0.26%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sat, 05 Aug 2017 21:37:17 +0000

End at: Sat, 05 Aug 2017 21:37:47 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 114.074 ms

Loss rate: 0.00%

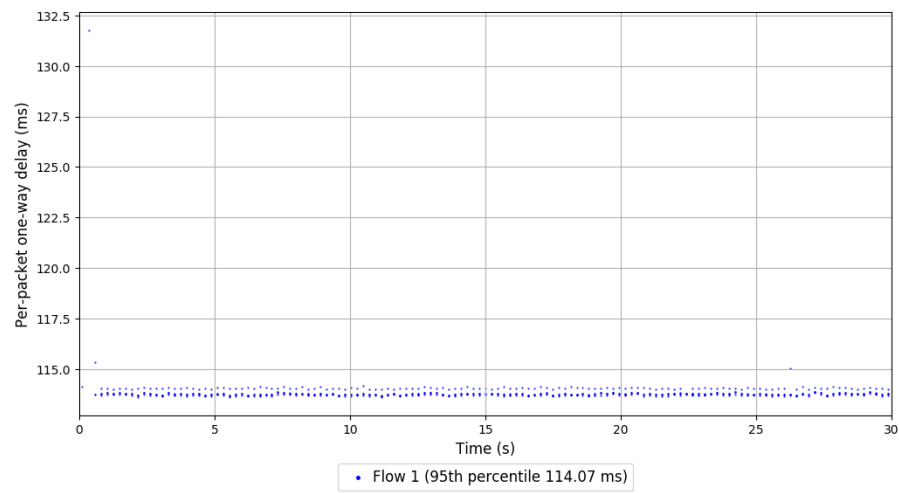
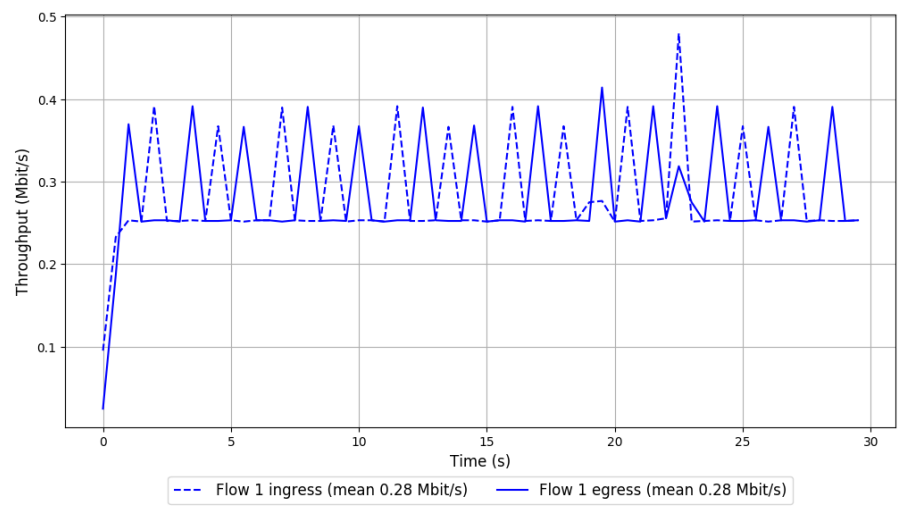
-- Flow 1:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 114.074 ms

Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Sat, 05 Aug 2017 21:48:44 +0000

End at: Sat, 05 Aug 2017 21:49:14 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.66 Mbit/s

95th percentile per-packet one-way delay: 113.771 ms

Loss rate: 2.08%

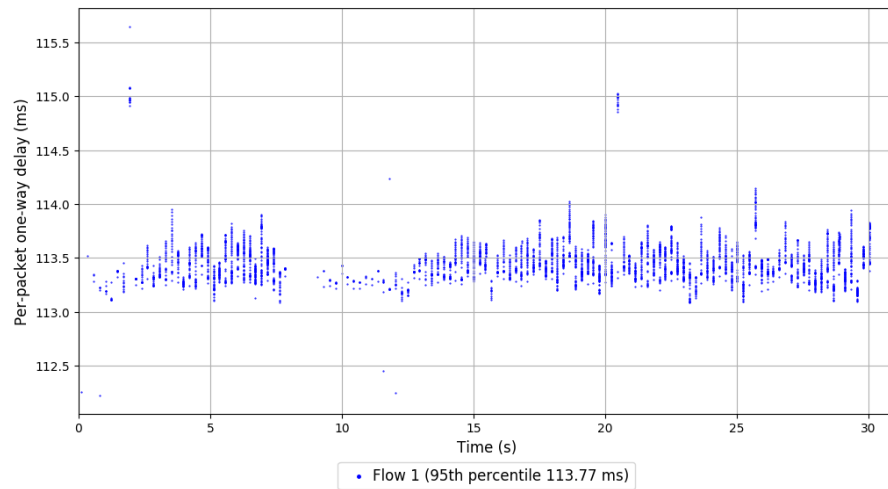
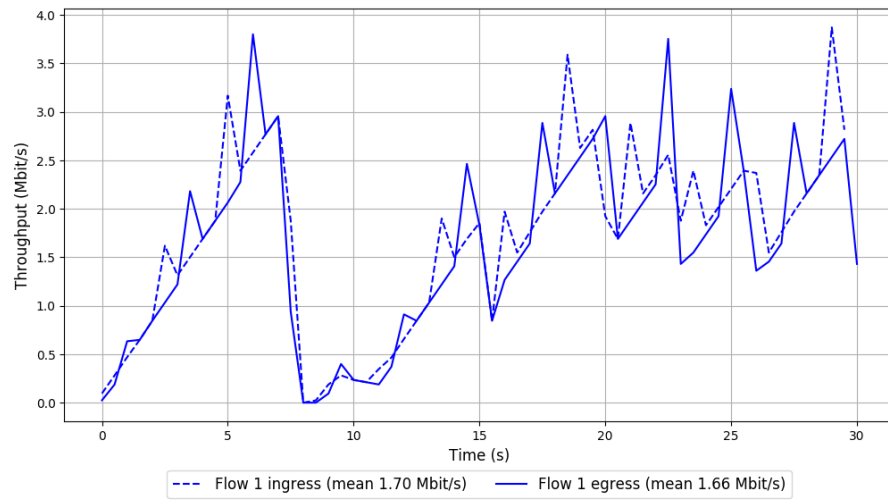
-- Flow 1:

Average throughput: 1.66 Mbit/s

95th percentile per-packet one-way delay: 113.771 ms

Loss rate: 2.08%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Sat, 05 Aug 2017 22:00:12 +0000

End at: Sat, 05 Aug 2017 22:00:43 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.41 Mbit/s

95th percentile per-packet one-way delay: 113.877 ms

Loss rate: 0.53%

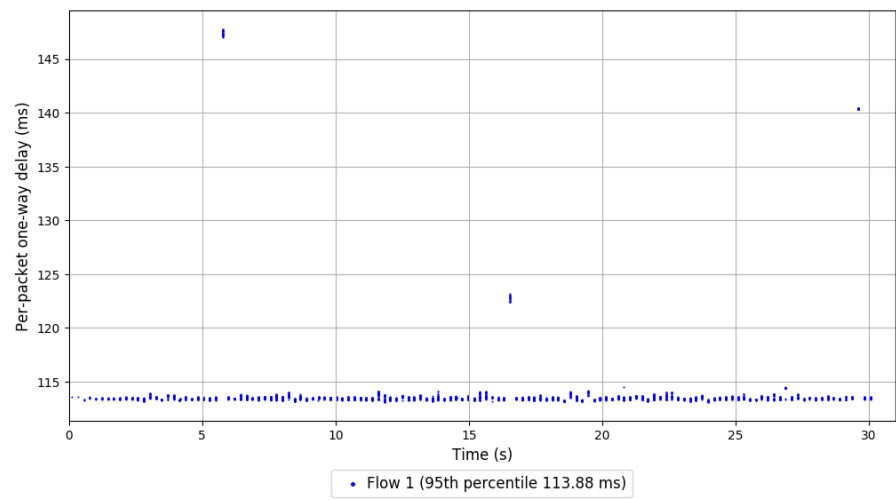
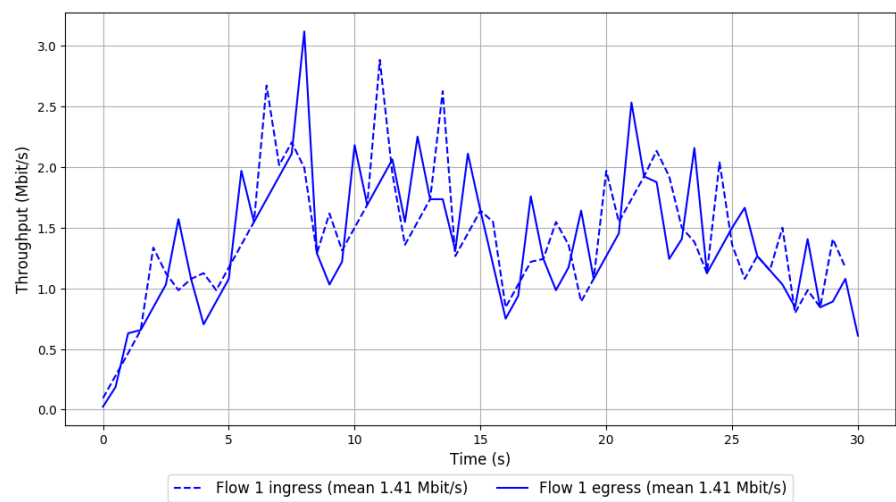
-- Flow 1:

Average throughput: 1.41 Mbit/s

95th percentile per-packet one-way delay: 113.877 ms

Loss rate: 0.53%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Sat, 05 Aug 2017 22:11:24 +0000

End at: Sat, 05 Aug 2017 22:11:54 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:17 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 113.132 ms

Loss rate: 0.43%

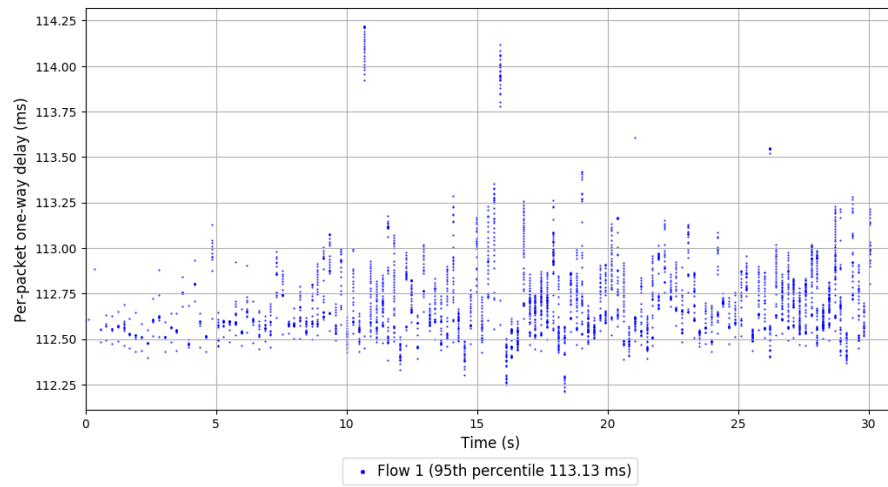
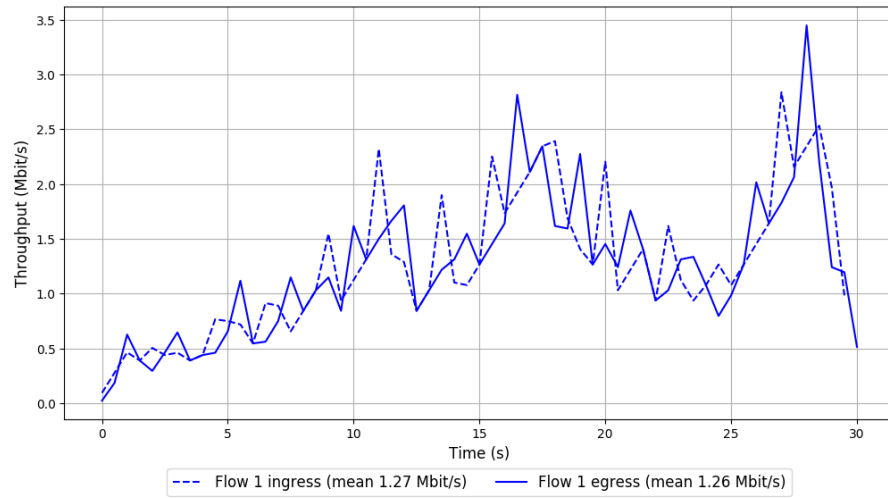
-- Flow 1:

Average throughput: 1.26 Mbit/s

95th percentile per-packet one-way delay: 113.132 ms

Loss rate: 0.43%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Sat, 05 Aug 2017 22:22:45 +0000

End at: Sat, 05 Aug 2017 22:23:15 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 113.031 ms

Loss rate: 0.03%

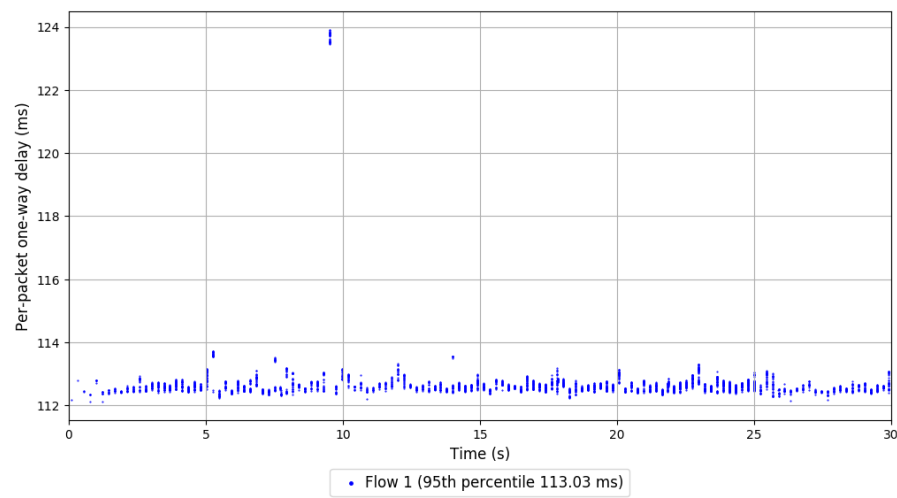
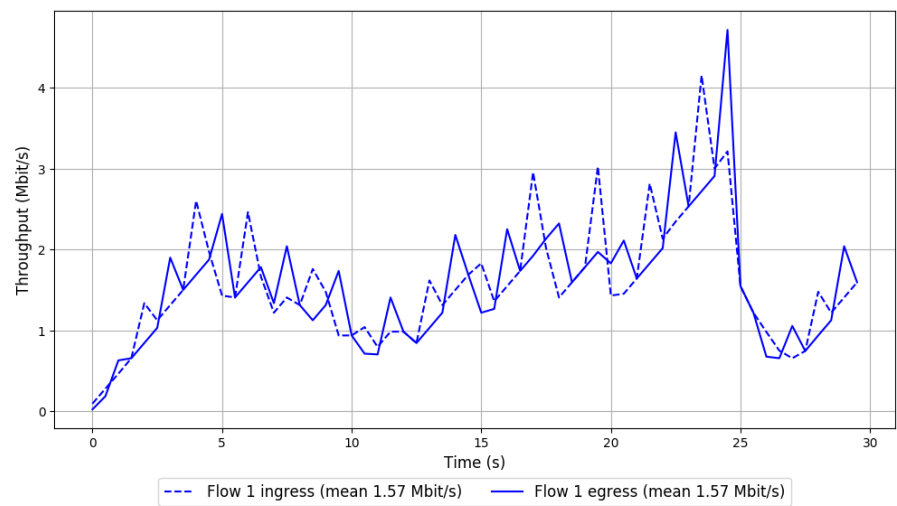
-- Flow 1:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 113.031 ms

Loss rate: 0.03%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Sat, 05 Aug 2017 22:34:14 +0000

End at: Sat, 05 Aug 2017 22:34:44 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 112.905 ms

Loss rate: 0.00%

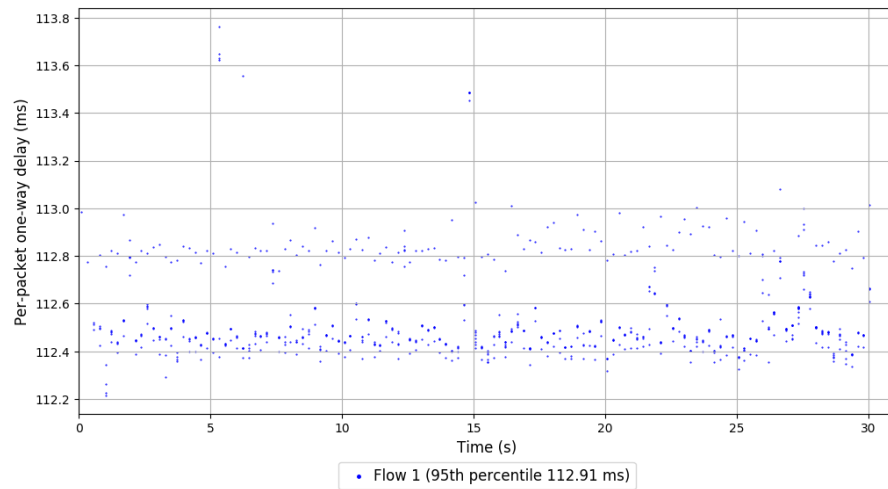
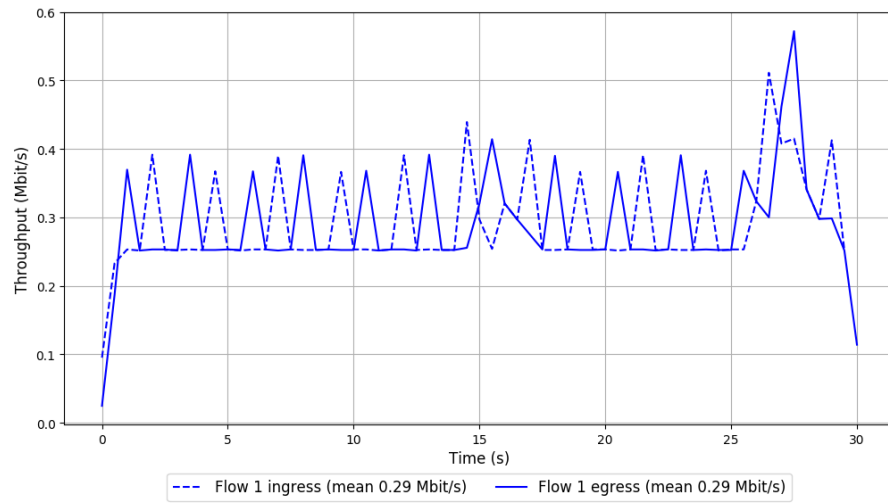
-- Flow 1:

Average throughput: 0.29 Mbit/s

95th percentile per-packet one-way delay: 112.905 ms

Loss rate: 0.00%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Sat, 05 Aug 2017 22:45:46 +0000

End at: Sat, 05 Aug 2017 22:46:16 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:20 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.60 Mbit/s

95th percentile per-packet one-way delay: 112.830 ms

Loss rate: 0.32%

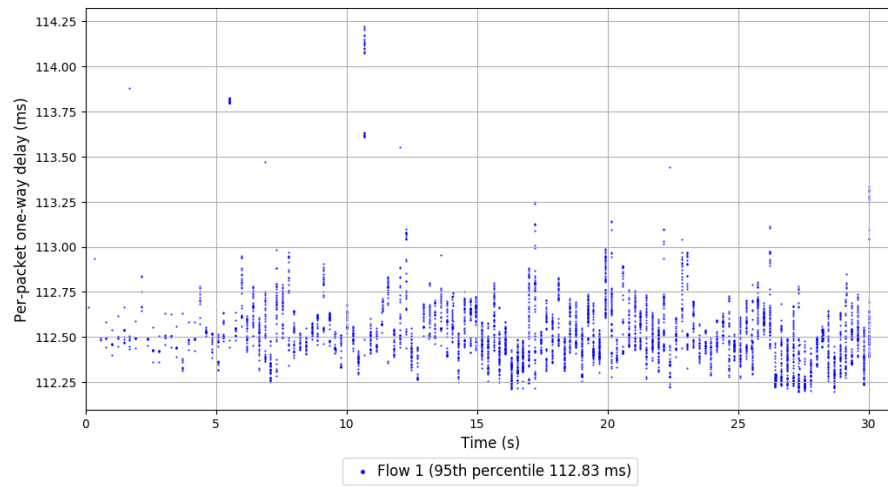
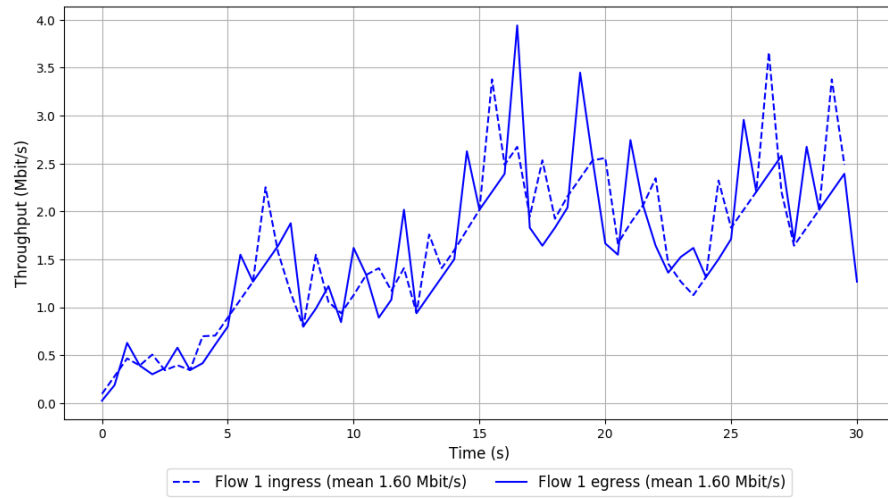
-- Flow 1:

Average throughput: 1.60 Mbit/s

95th percentile per-packet one-way delay: 112.830 ms

Loss rate: 0.32%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Sat, 05 Aug 2017 22:56:53 +0000

End at: Sat, 05 Aug 2017 22:57:23 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:53:20 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.13 Mbit/s

95th percentile per-packet one-way delay: 112.659 ms

Loss rate: 3.54%

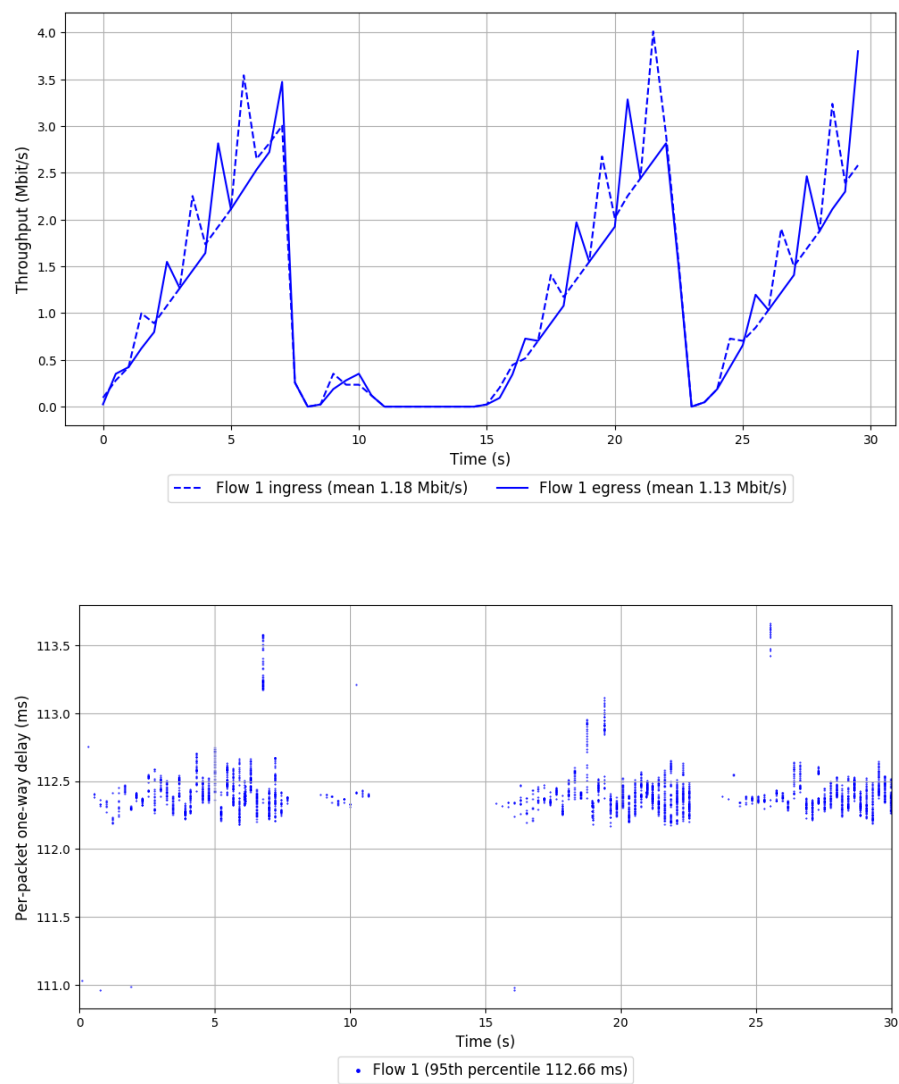
-- Flow 1:

Average throughput: 1.13 Mbit/s

95th percentile per-packet one-way delay: 112.659 ms

Loss rate: 3.54%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Sat, 05 Aug 2017 21:12:11 +0000

End at: Sat, 05 Aug 2017 21:12:41 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:54:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 480.40 Mbit/s

95th percentile per-packet one-way delay: 180.796 ms

Loss rate: 1.09%

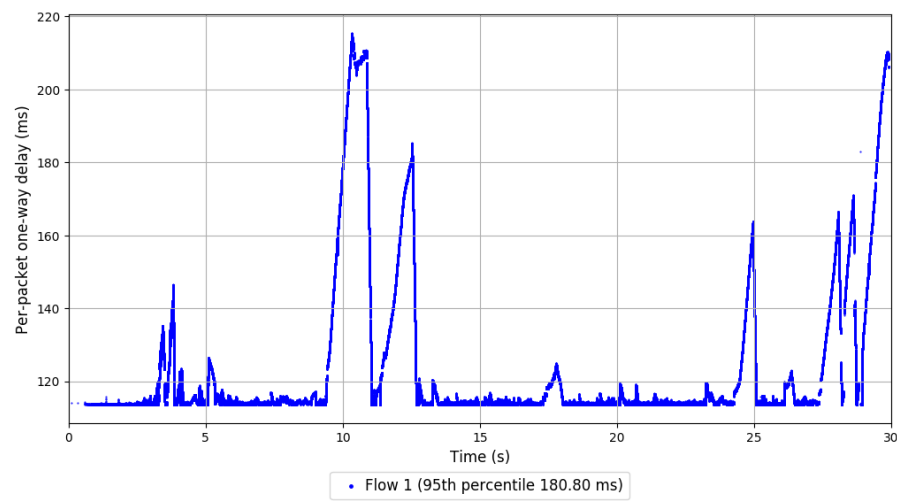
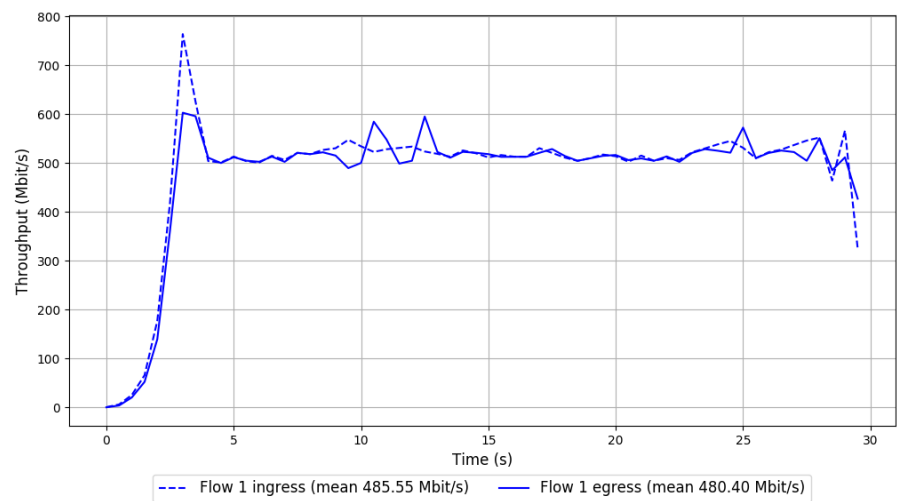
-- Flow 1:

Average throughput: 480.40 Mbit/s

95th percentile per-packet one-way delay: 180.796 ms

Loss rate: 1.09%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Sat, 05 Aug 2017 21:23:40 +0000

End at: Sat, 05 Aug 2017 21:24:10 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:55:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 494.85 Mbit/s

95th percentile per-packet one-way delay: 206.424 ms

Loss rate: 1.40%

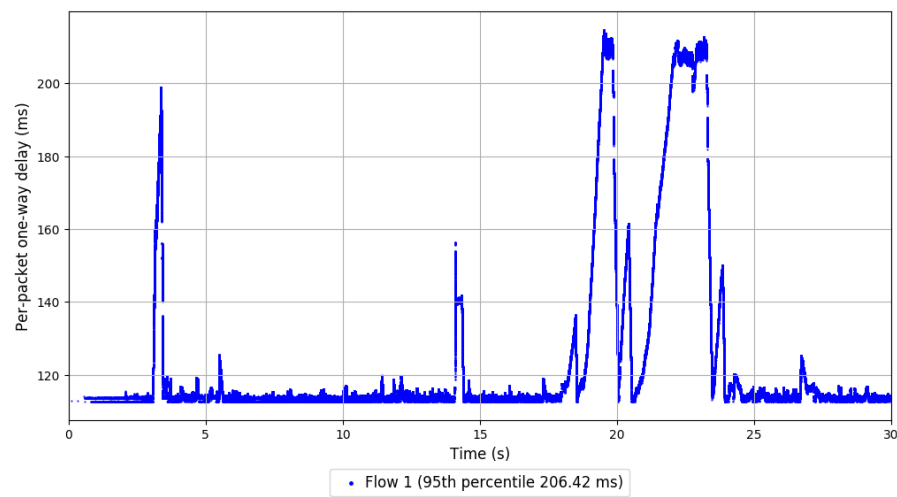
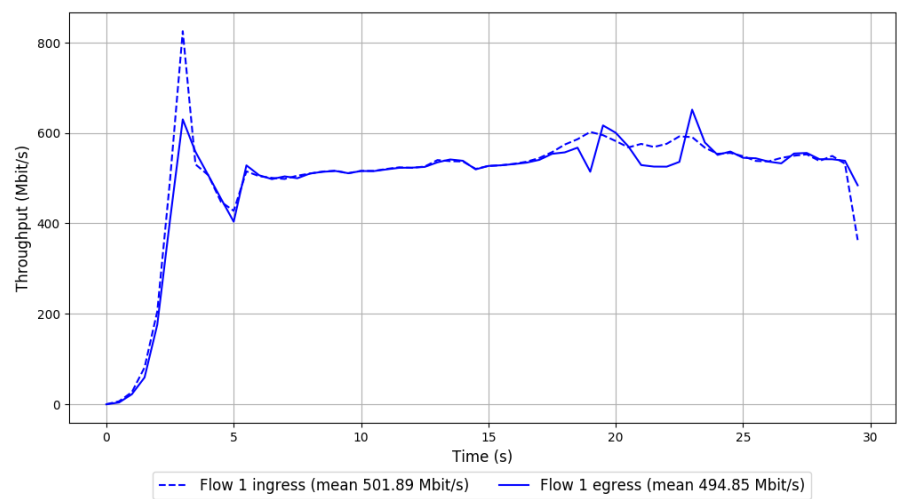
-- Flow 1:

Average throughput: 494.85 Mbit/s

95th percentile per-packet one-way delay: 206.424 ms

Loss rate: 1.40%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Sat, 05 Aug 2017 21:34:59 +0000

End at: Sat, 05 Aug 2017 21:35:29 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:55:34 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 223.50 Mbit/s

95th percentile per-packet one-way delay: 113.781 ms

Loss rate: 7.51%

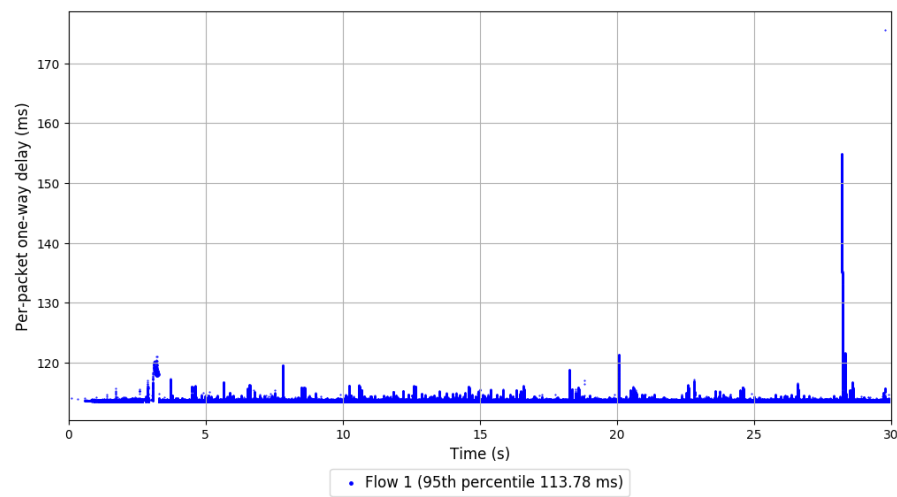
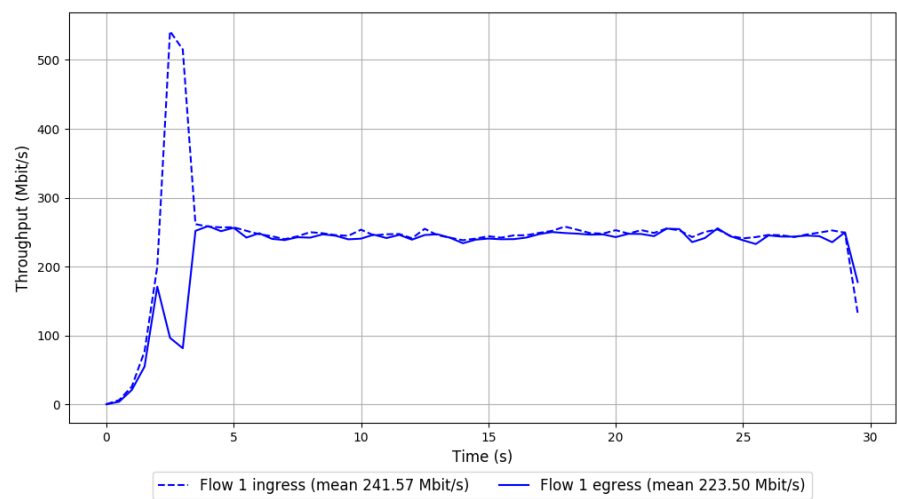
-- Flow 1:

Average throughput: 223.50 Mbit/s

95th percentile per-packet one-way delay: 113.781 ms

Loss rate: 7.51%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Sat, 05 Aug 2017 21:46:16 +0000

End at: Sat, 05 Aug 2017 21:46:46 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:56:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 502.23 Mbit/s

95th percentile per-packet one-way delay: 176.241 ms

Loss rate: 0.58%

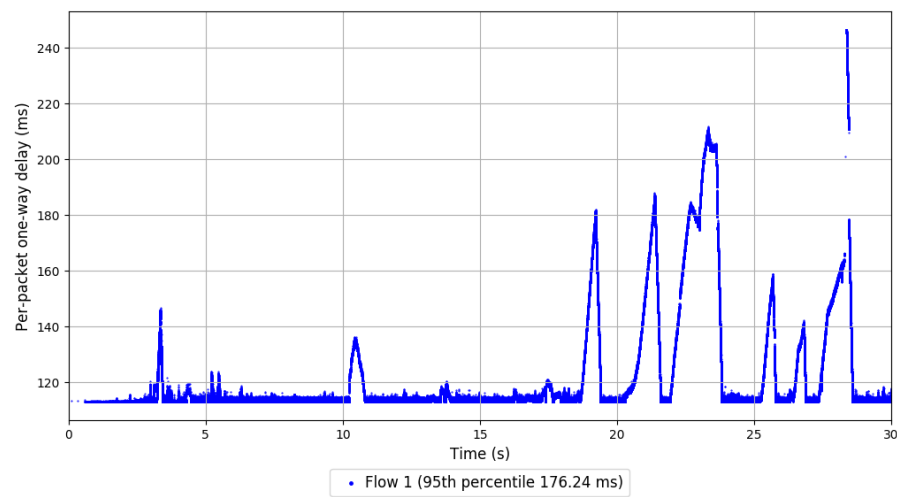
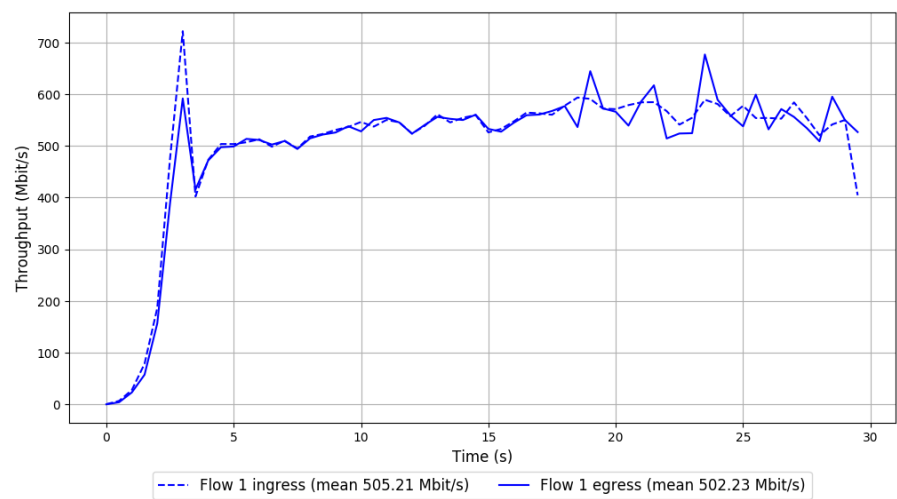
-- Flow 1:

Average throughput: 502.23 Mbit/s

95th percentile per-packet one-way delay: 176.241 ms

Loss rate: 0.58%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Sat, 05 Aug 2017 21:57:48 +0000

End at: Sat, 05 Aug 2017 21:58:18 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:57:07 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 490.23 Mbit/s

95th percentile per-packet one-way delay: 197.361 ms

Loss rate: 2.29%

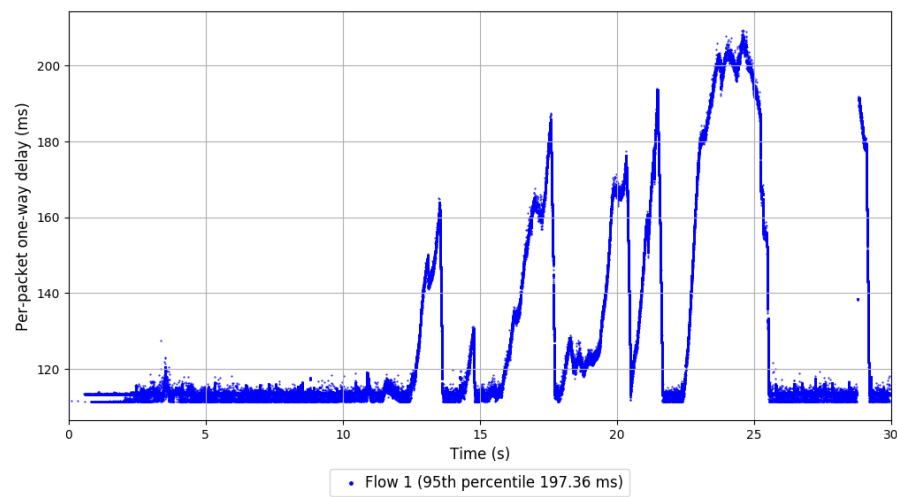
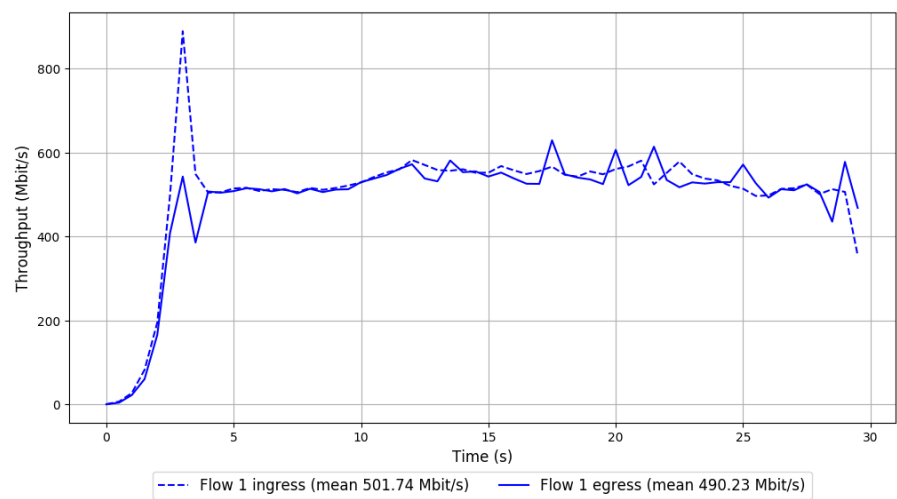
-- Flow 1:

Average throughput: 490.23 Mbit/s

95th percentile per-packet one-way delay: 197.361 ms

Loss rate: 2.29%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Sat, 05 Aug 2017 22:08:59 +0000

End at: Sat, 05 Aug 2017 22:09:29 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:58:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 470.76 Mbit/s

95th percentile per-packet one-way delay: 138.539 ms

Loss rate: 1.77%

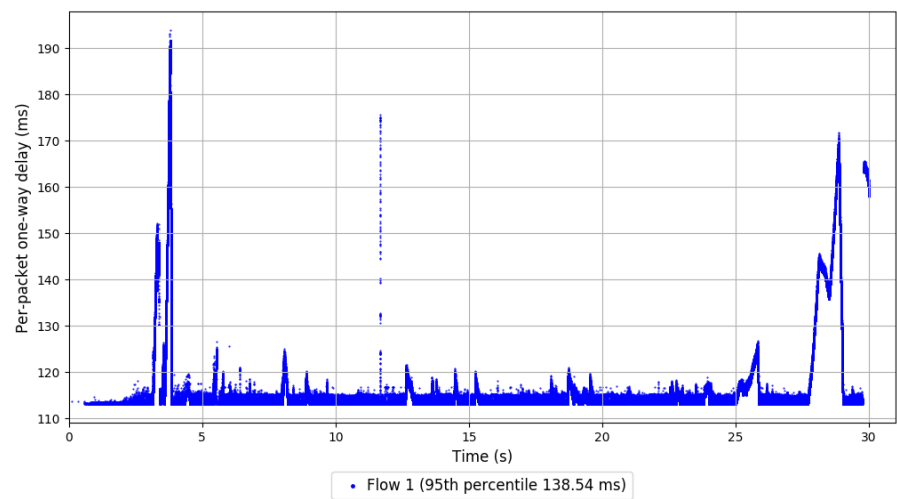
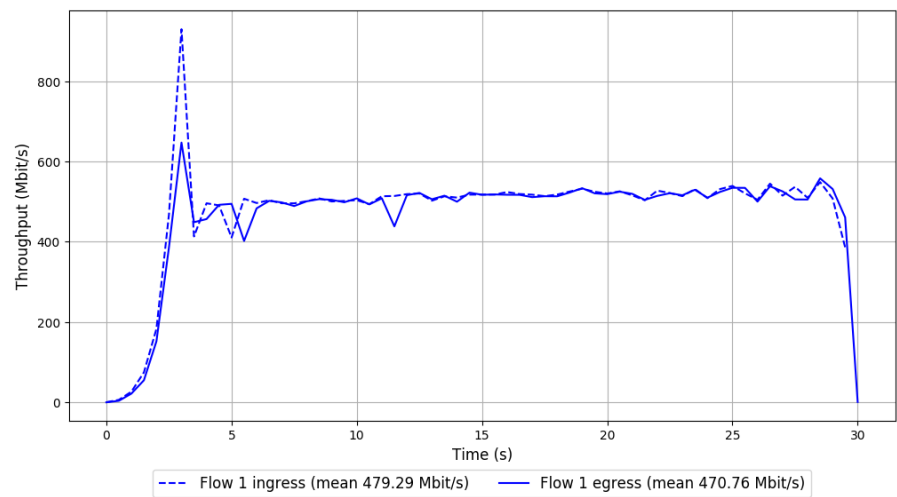
-- Flow 1:

Average throughput: 470.76 Mbit/s

95th percentile per-packet one-way delay: 138.539 ms

Loss rate: 1.77%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Sat, 05 Aug 2017 22:20:18 +0000

End at: Sat, 05 Aug 2017 22:20:48 +0000

Below is generated by plot.py at Sat, 05 Aug 2017 23:58:47 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 486.07 Mbit/s

95th percentile per-packet one-way delay: 128.690 ms

Loss rate: 0.93%

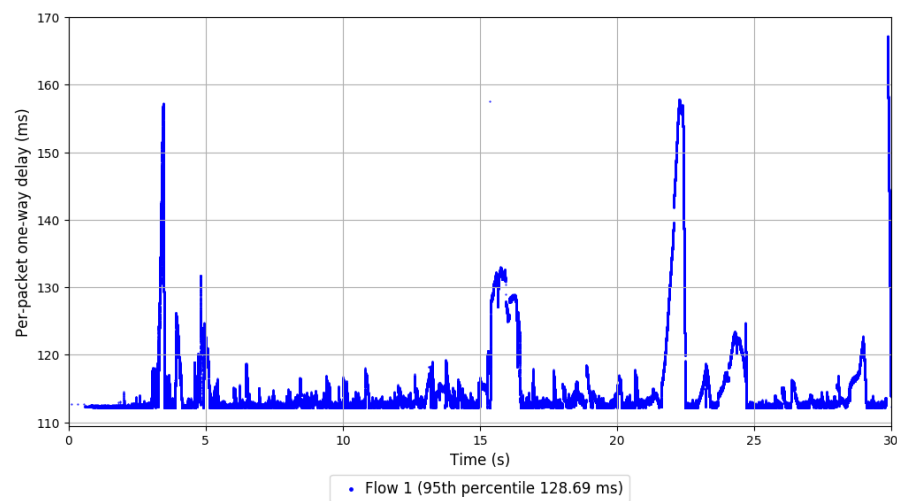
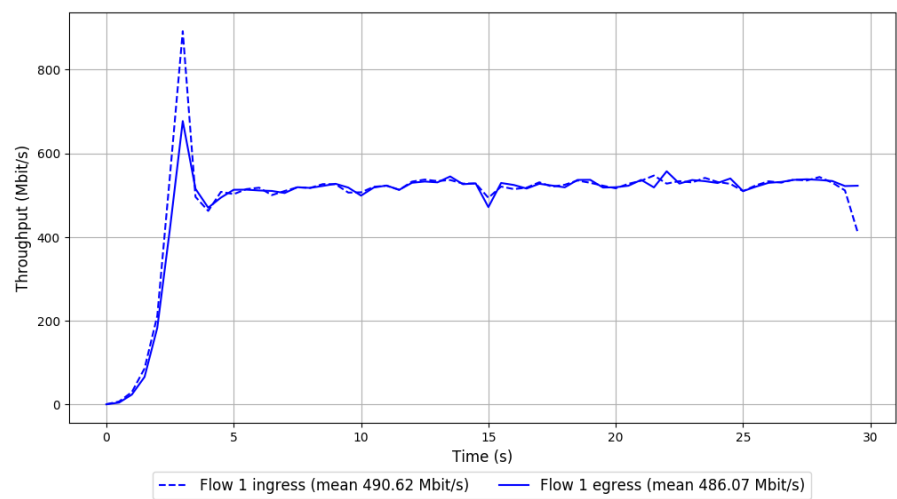
-- Flow 1:

Average throughput: 486.07 Mbit/s

95th percentile per-packet one-way delay: 128.690 ms

Loss rate: 0.93%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Sat, 05 Aug 2017 22:31:43 +0000

End at: Sat, 05 Aug 2017 22:32:13 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:00:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 486.63 Mbit/s

95th percentile per-packet one-way delay: 204.716 ms

Loss rate: 0.76%

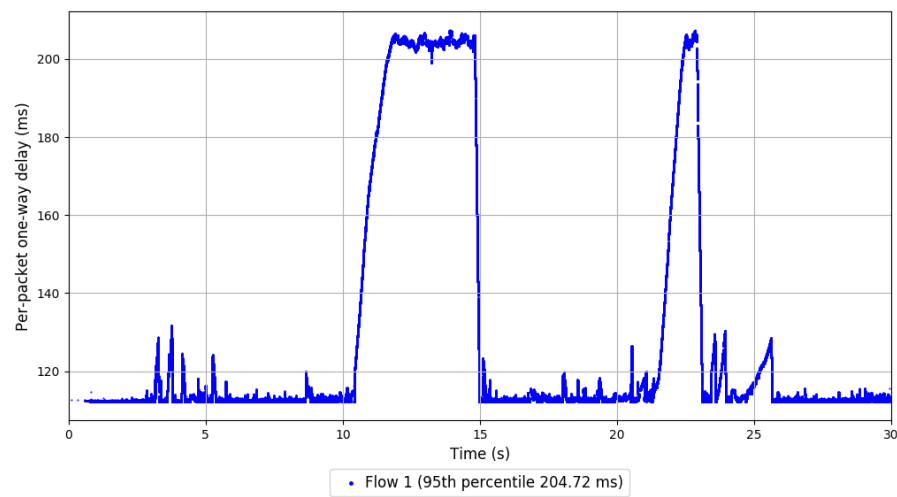
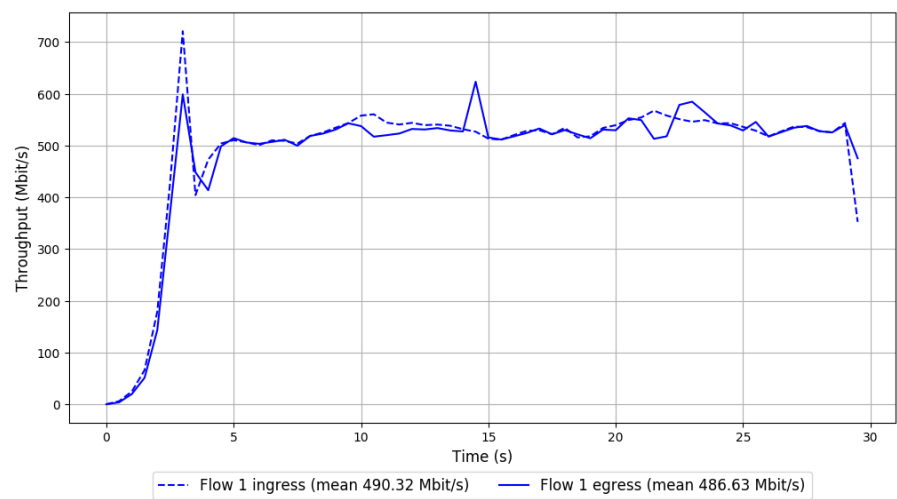
-- Flow 1:

Average throughput: 486.63 Mbit/s

95th percentile per-packet one-way delay: 204.716 ms

Loss rate: 0.76%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Sat, 05 Aug 2017 22:43:15 +0000

End at: Sat, 05 Aug 2017 22:43:45 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:00:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 476.98 Mbit/s

95th percentile per-packet one-way delay: 207.824 ms

Loss rate: 1.52%

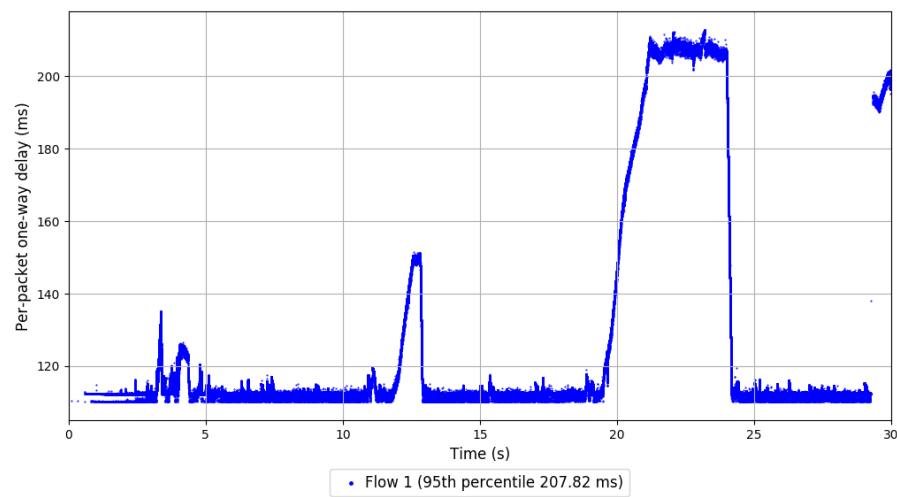
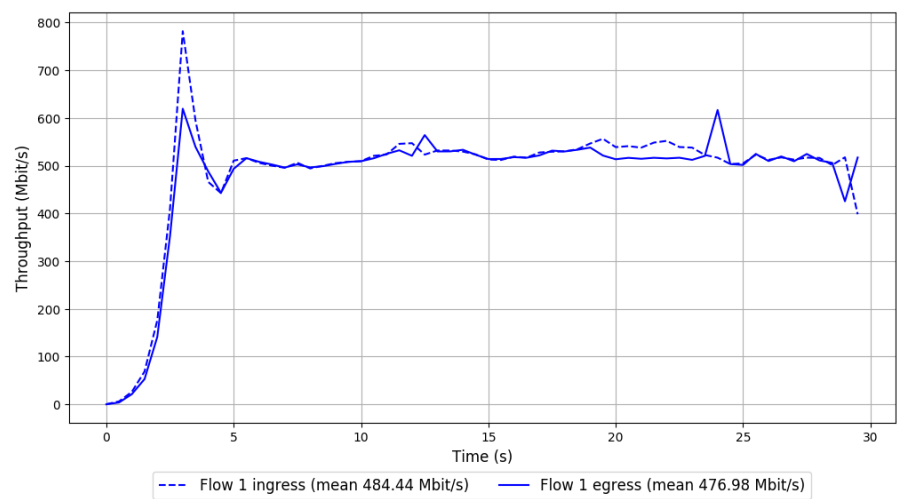
-- Flow 1:

Average throughput: 476.98 Mbit/s

95th percentile per-packet one-way delay: 207.824 ms

Loss rate: 1.52%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Sat, 05 Aug 2017 22:54:27 +0000

End at: Sat, 05 Aug 2017 22:54:57 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 473.73 Mbit/s

95th percentile per-packet one-way delay: 207.033 ms

Loss rate: 1.10%

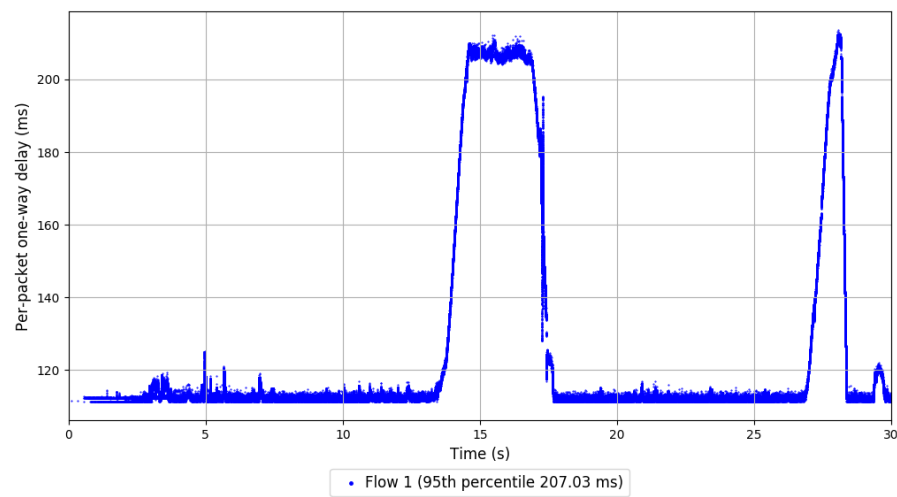
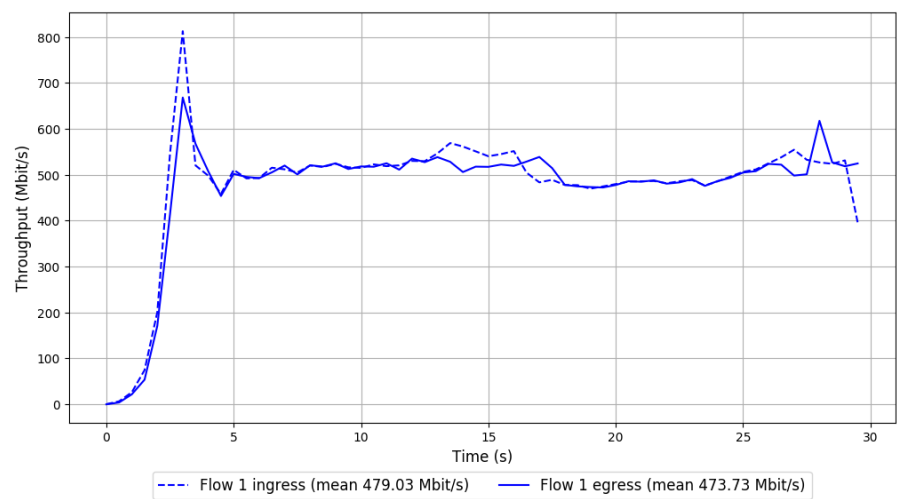
-- Flow 1:

Average throughput: 473.73 Mbit/s

95th percentile per-packet one-way delay: 207.033 ms

Loss rate: 1.10%

Run 10: Report of PCC — Data Link

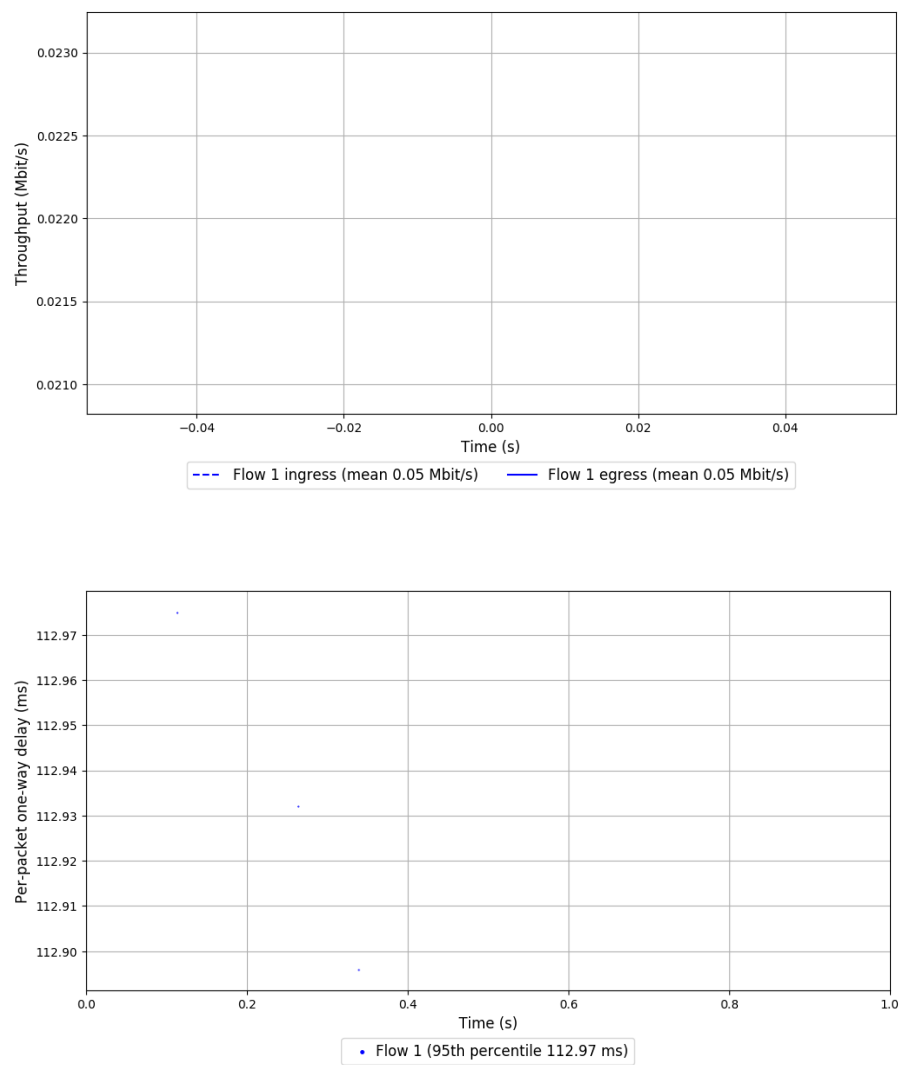


Run 1: Statistics of QUIC Cubic

Start at: Sat, 05 Aug 2017 21:11:29 +0000

End at: Sat, 05 Aug 2017 21:11:59 +0000

Run 1: Report of QUIC Cubic — Data Link

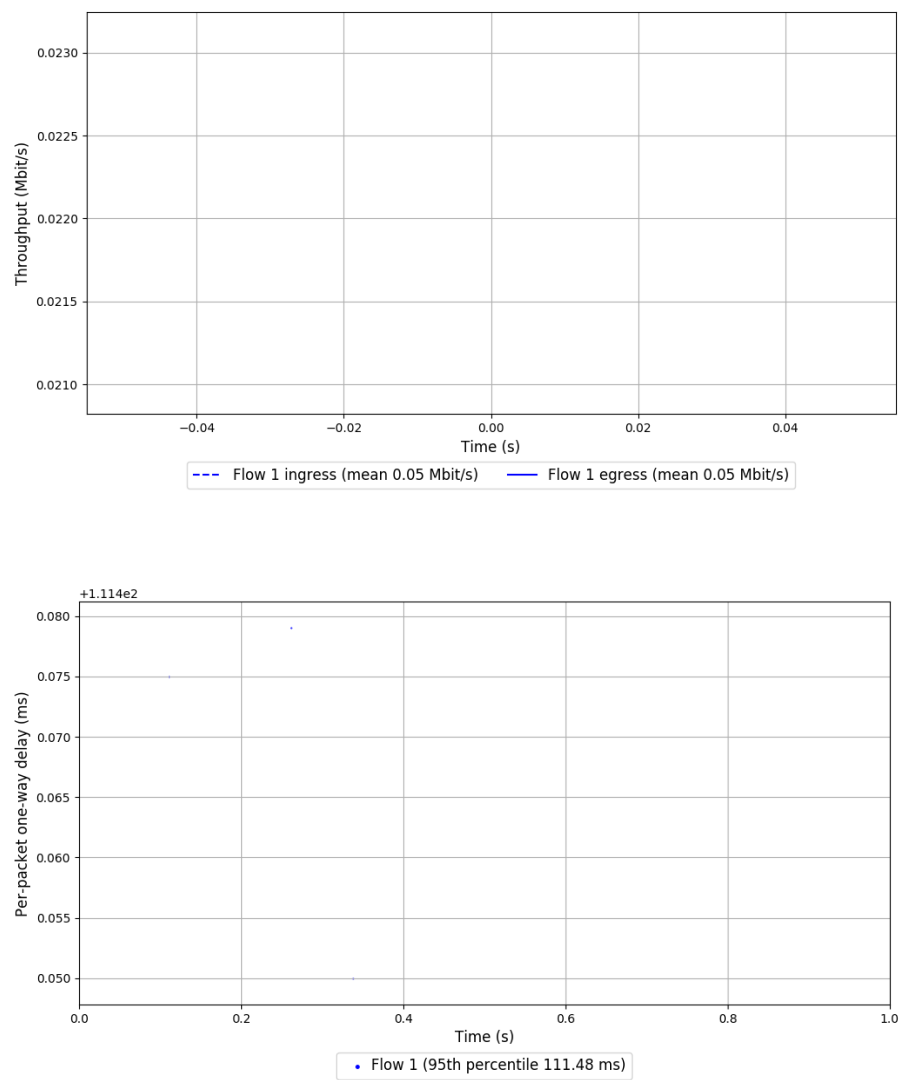


Run 2: Statistics of QUIC Cubic

Start at: Sat, 05 Aug 2017 21:22:59 +0000

End at: Sat, 05 Aug 2017 21:23:29 +0000

Run 2: Report of QUIC Cubic — Data Link

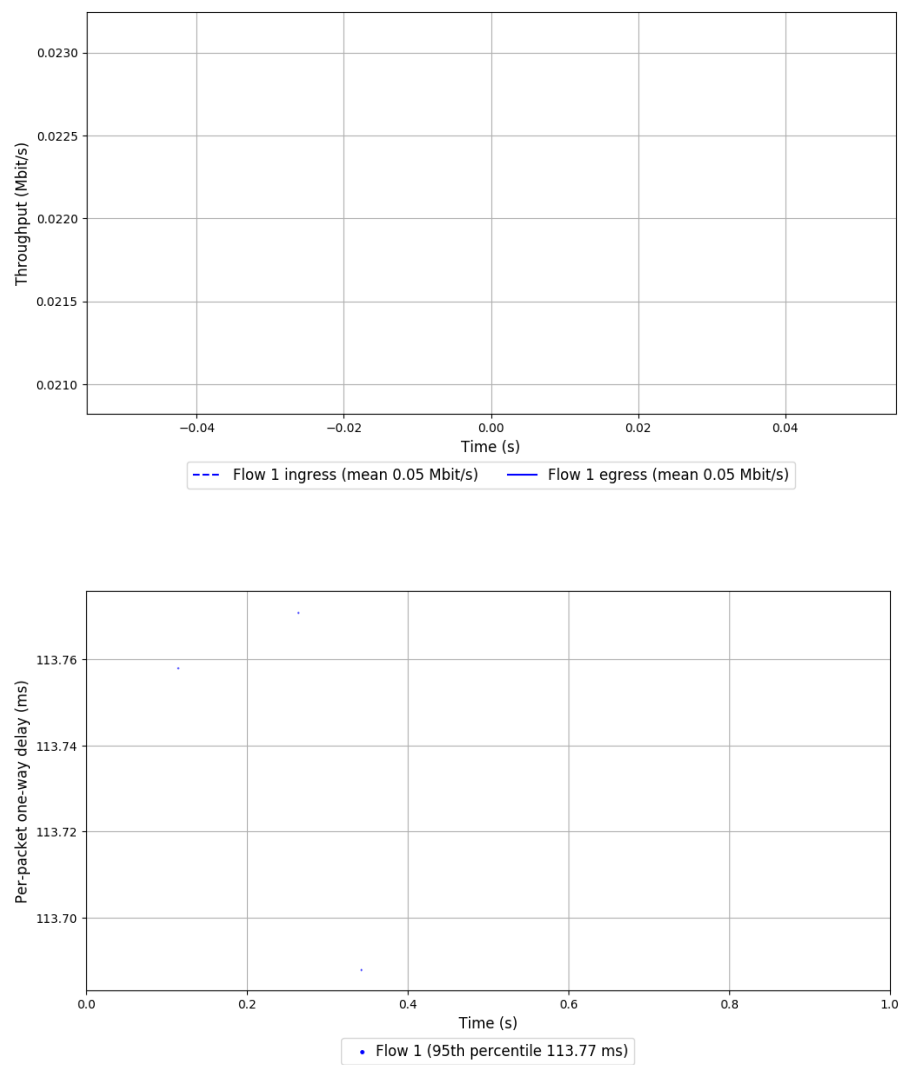


Run 3: Statistics of QUIC Cubic

Start at: Sat, 05 Aug 2017 21:34:18 +0000

End at: Sat, 05 Aug 2017 21:34:48 +0000

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: Sat, 05 Aug 2017 21:45:32 +0000

End at: Sat, 05 Aug 2017 21:46:02 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.60 Mbit/s

95th percentile per-packet one-way delay: 112.273 ms

Loss rate: 0.00%

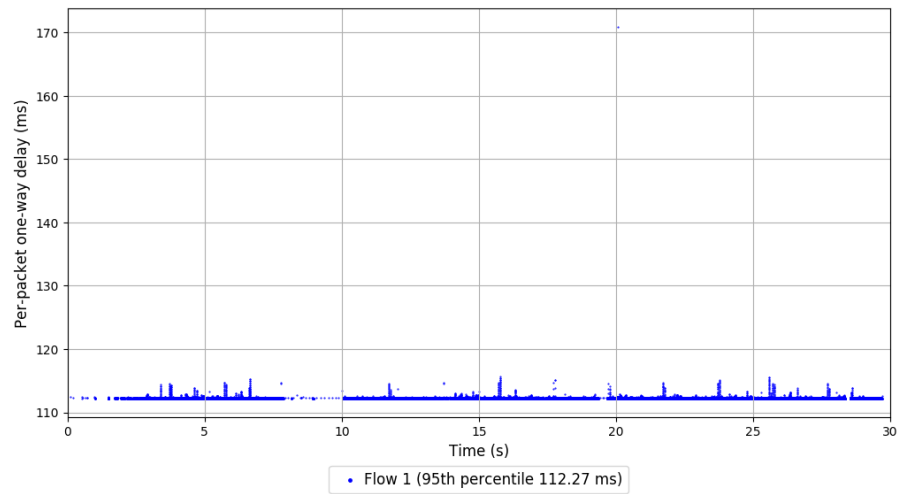
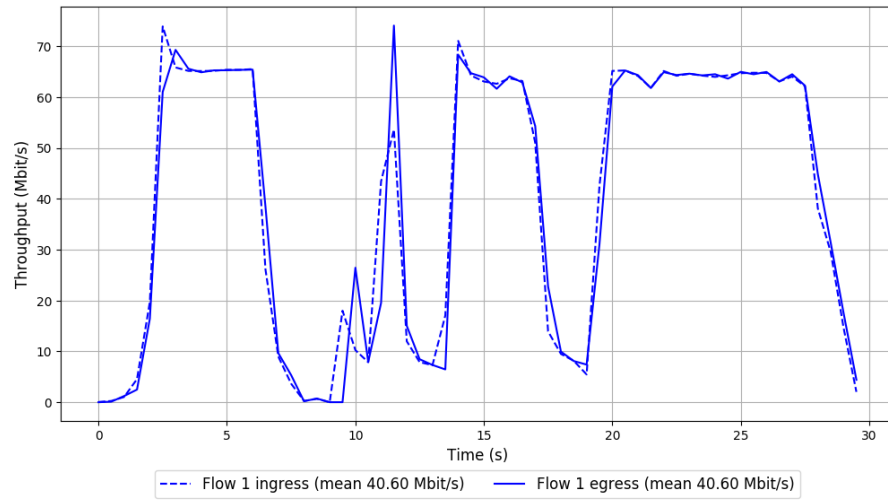
-- Flow 1:

Average throughput: 40.60 Mbit/s

95th percentile per-packet one-way delay: 112.273 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

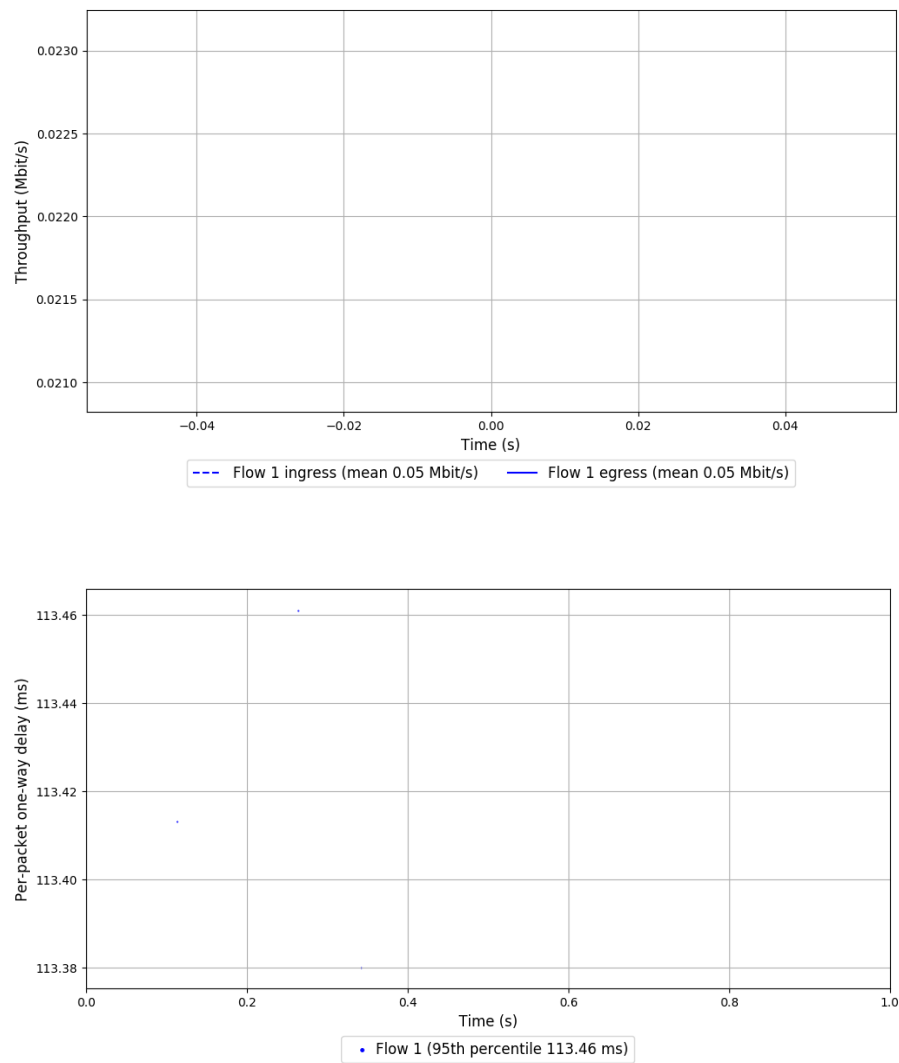


Run 5: Statistics of QUIC Cubic

Start at: Sat, 05 Aug 2017 21:57:07 +0000

End at: Sat, 05 Aug 2017 21:57:37 +0000

Run 5: Report of QUIC Cubic — Data Link

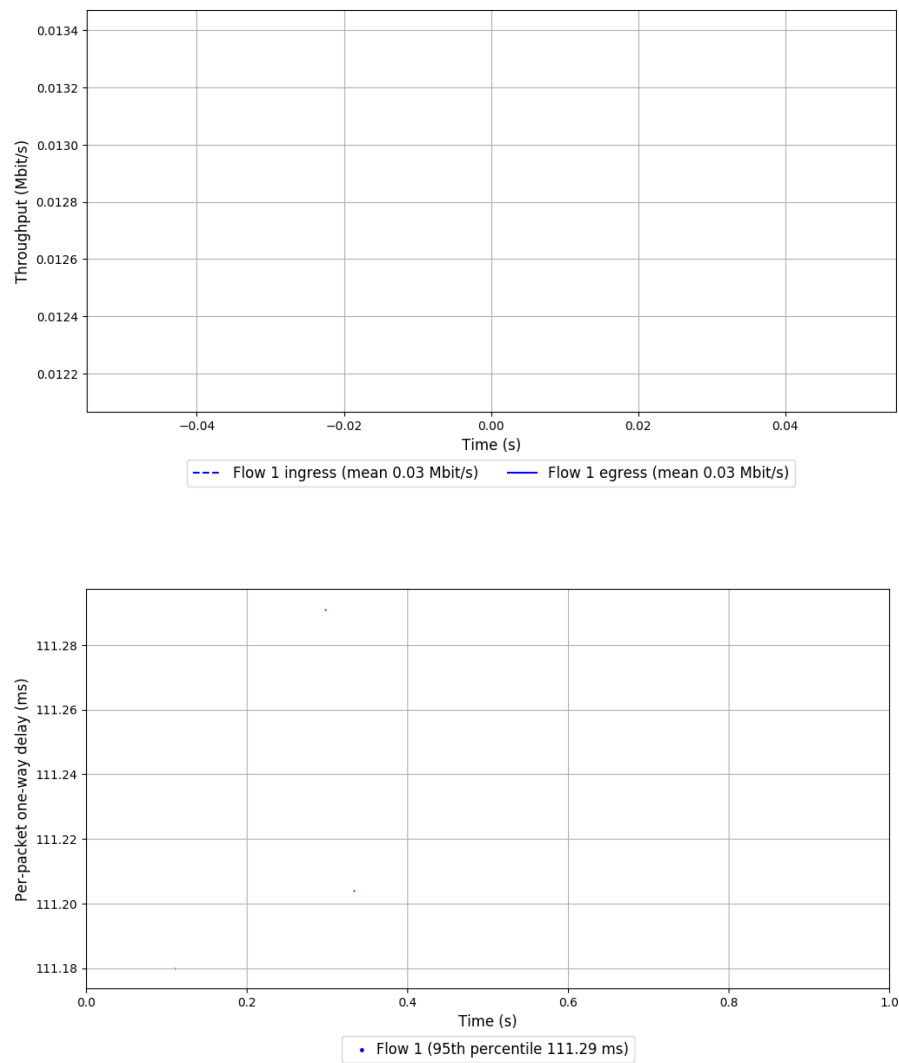


Run 6: Statistics of QUIC Cubic

Start at: Sat, 05 Aug 2017 22:08:18 +0000

End at: Sat, 05 Aug 2017 22:08:48 +0000

Run 6: Report of QUIC Cubic — Data Link

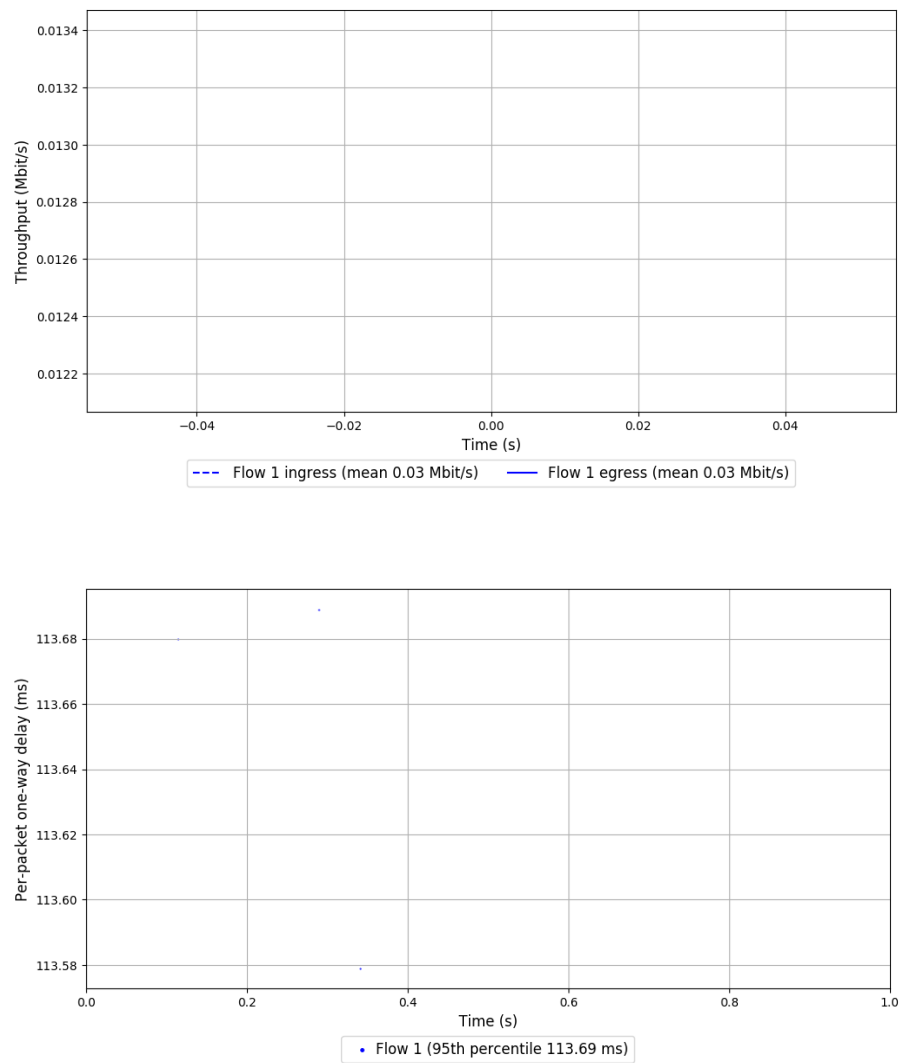


Run 7: Statistics of QUIC Cubic

Start at: Sat, 05 Aug 2017 22:19:38 +0000

End at: Sat, 05 Aug 2017 22:20:08 +0000

Run 7: Report of QUIC Cubic — Data Link

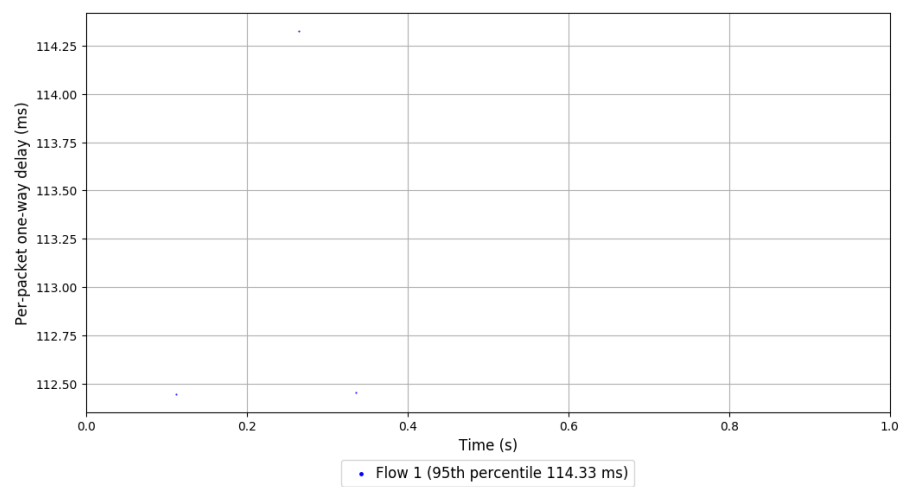
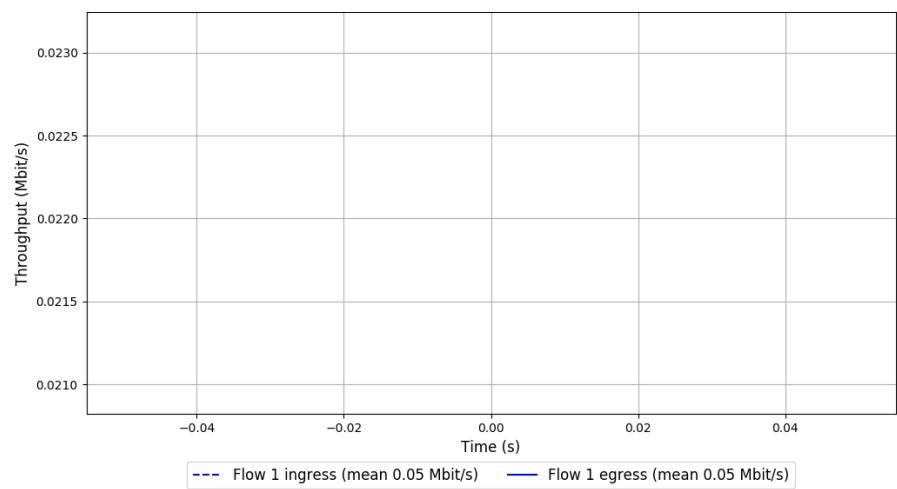


Run 8: Statistics of QUIC Cubic

Start at: Sat, 05 Aug 2017 22:31:02 +0000

End at: Sat, 05 Aug 2017 22:31:32 +0000

Run 8: Report of QUIC Cubic — Data Link

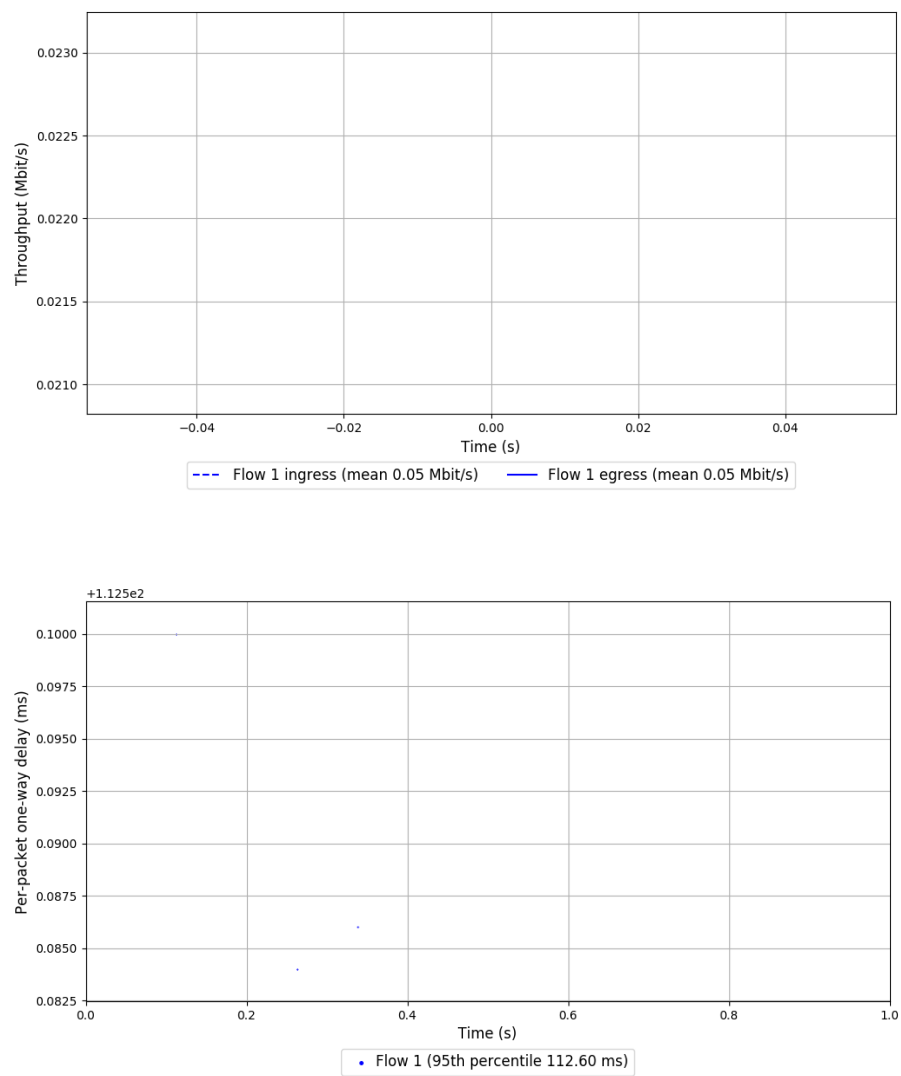


Run 9: Statistics of QUIC Cubic

Start at: Sat, 05 Aug 2017 22:42:34 +0000

End at: Sat, 05 Aug 2017 22:43:04 +0000

Run 9: Report of QUIC Cubic — Data Link

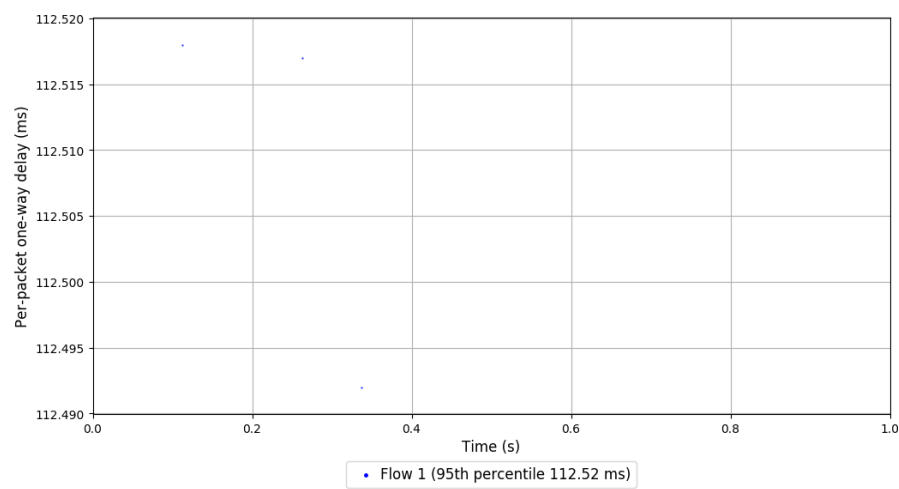
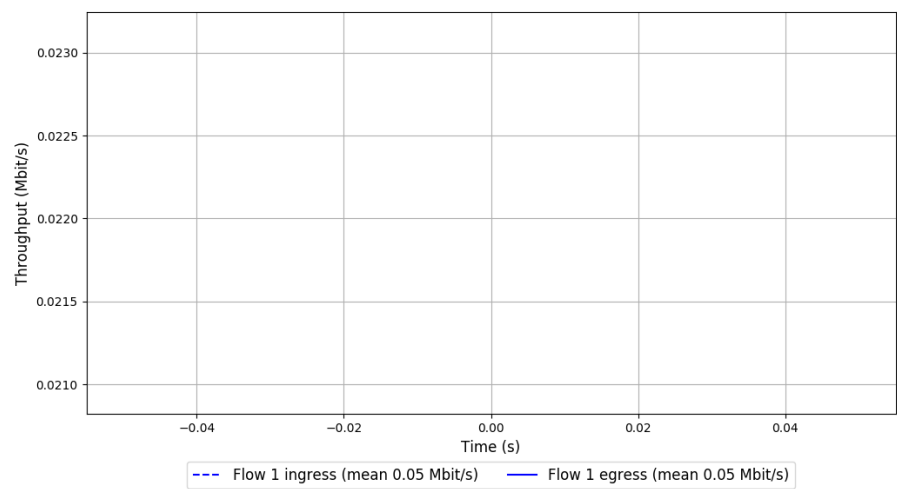


Run 10: Statistics of QUIC Cubic

Start at: Sat, 05 Aug 2017 22:53:46 +0000

End at: Sat, 05 Aug 2017 22:54:16 +0000

Run 10: Report of QUIC Cubic — Data Link

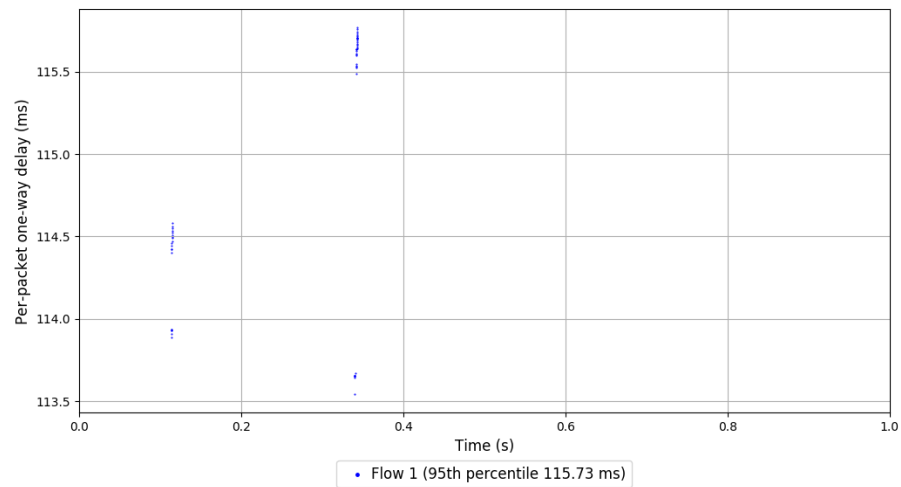
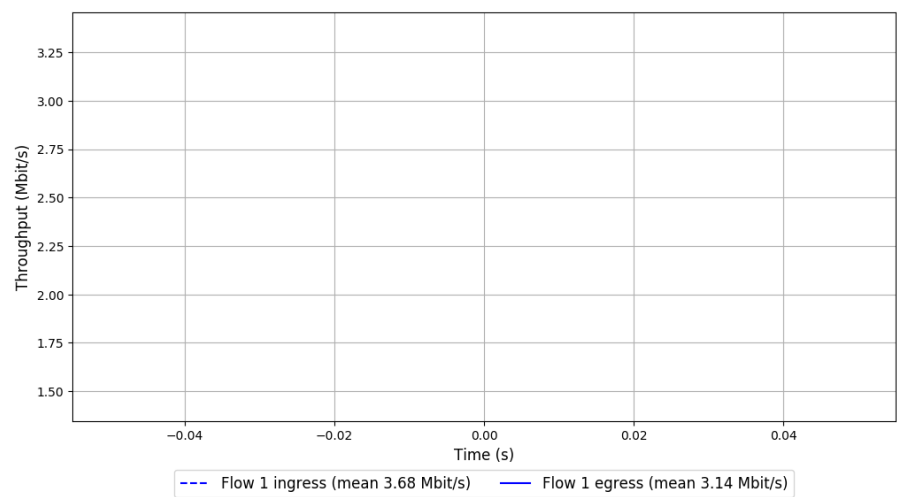


Run 1: Statistics of Saturator

Start at: Sat, 05 Aug 2017 21:07:04 +0000

End at: Sat, 05 Aug 2017 21:07:34 +0000

Run 1: Report of Saturator — Data Link

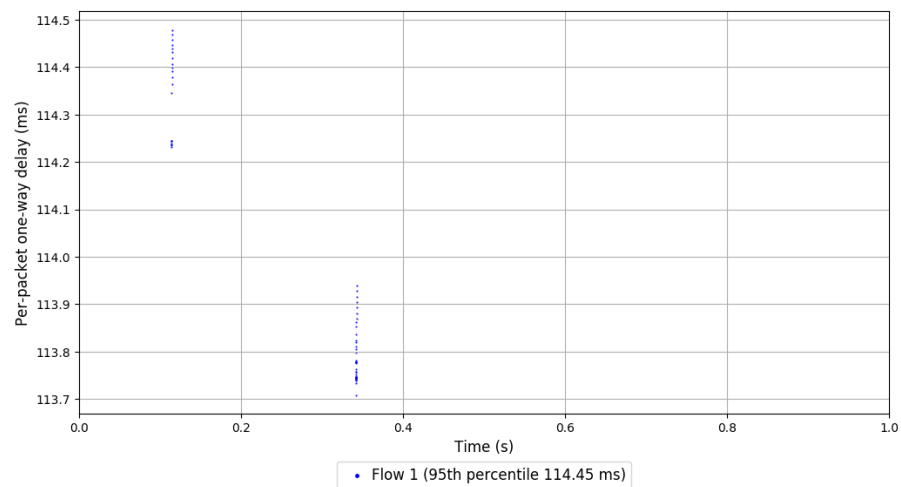
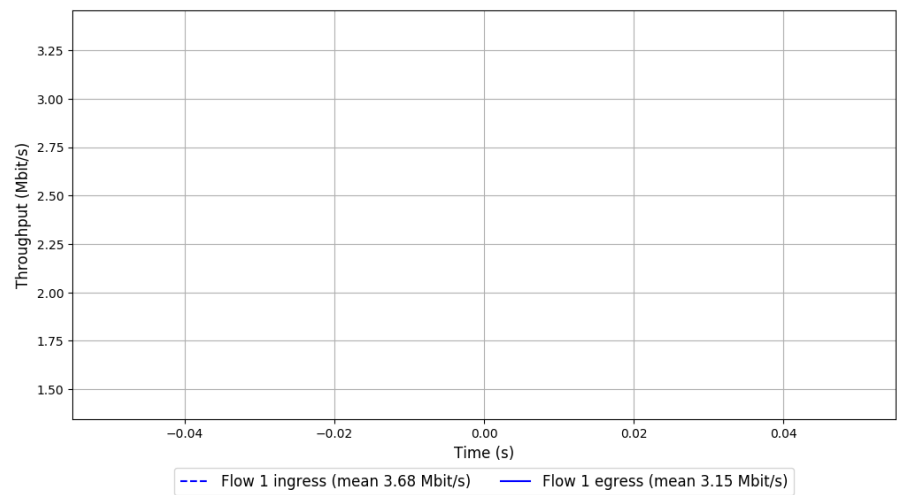


Run 2: Statistics of Saturator

Start at: Sat, 05 Aug 2017 21:18:05 +0000

End at: Sat, 05 Aug 2017 21:18:35 +0000

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Sat, 05 Aug 2017 21:29:32 +0000

End at: Sat, 05 Aug 2017 21:30:02 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.43 Mbit/s

95th percentile per-packet one-way delay: 114.531 ms

Loss rate: 0.10%

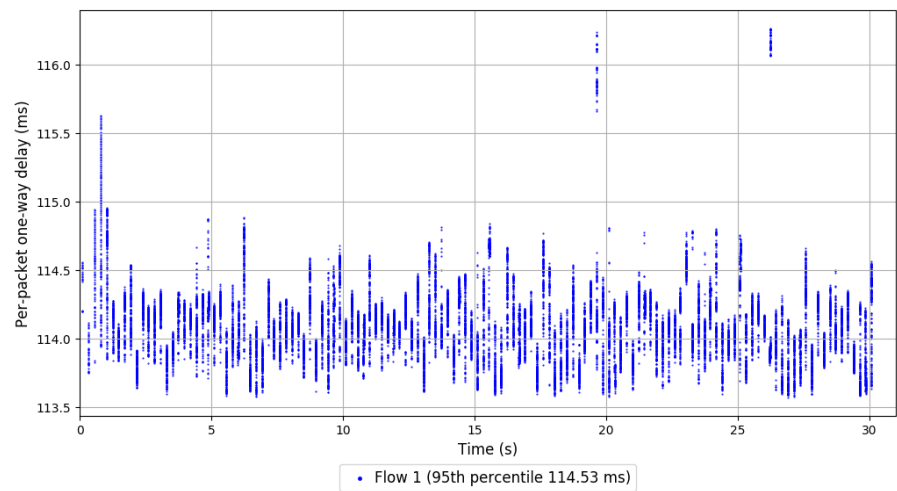
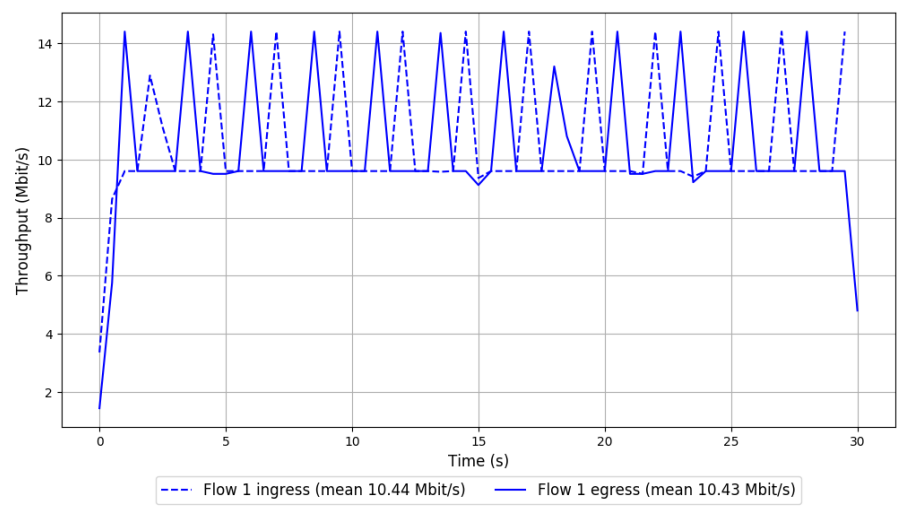
-- Flow 1:

Average throughput: 10.43 Mbit/s

95th percentile per-packet one-way delay: 114.531 ms

Loss rate: 0.10%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Sat, 05 Aug 2017 21:40:41 +0000

End at: Sat, 05 Aug 2017 21:41:11 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.47 Mbit/s

95th percentile per-packet one-way delay: 114.087 ms

Loss rate: 0.03%

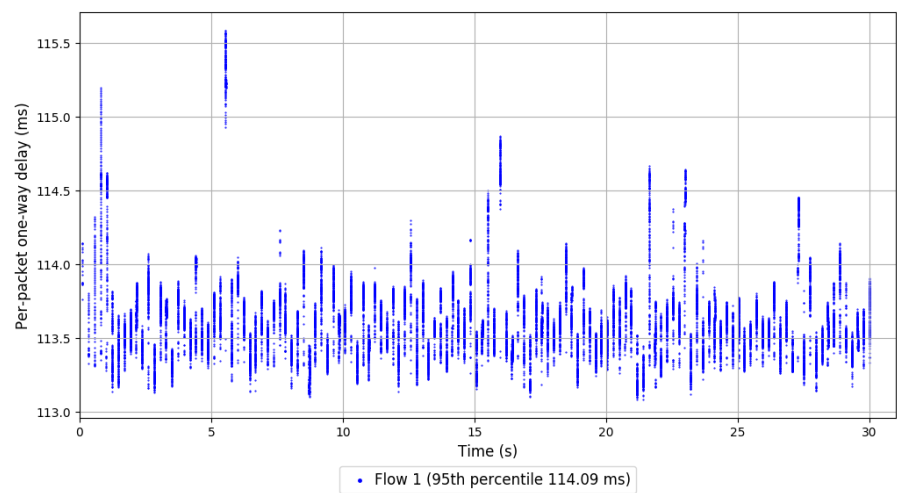
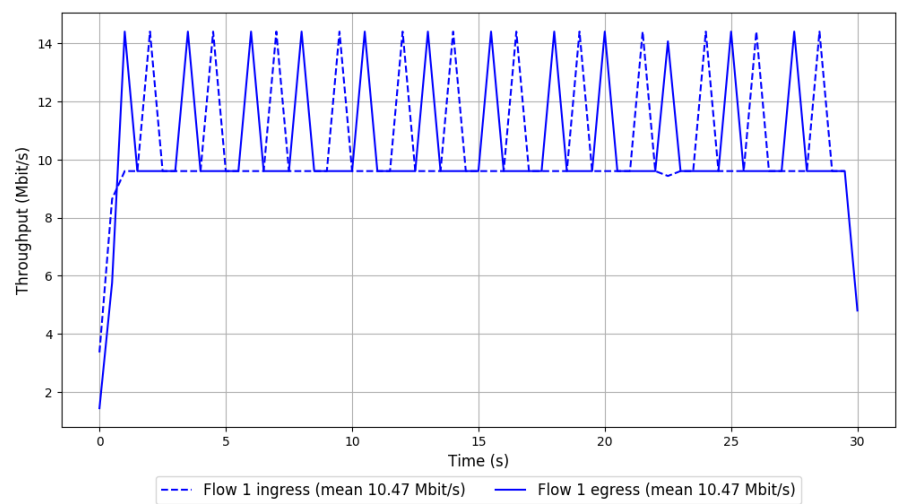
-- Flow 1:

Average throughput: 10.47 Mbit/s

95th percentile per-packet one-way delay: 114.087 ms

Loss rate: 0.03%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Sat, 05 Aug 2017 21:52:09 +0000

End at: Sat, 05 Aug 2017 21:52:39 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.34 Mbit/s

95th percentile per-packet one-way delay: 114.258 ms

Loss rate: 0.19%

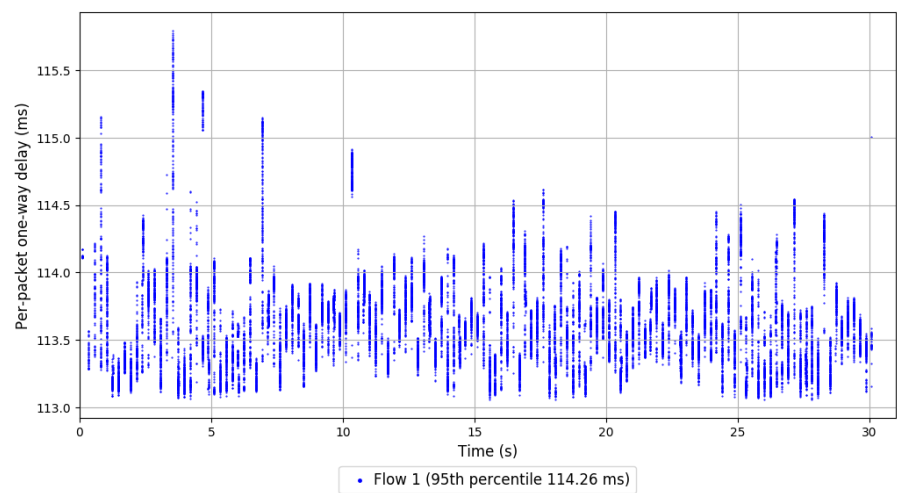
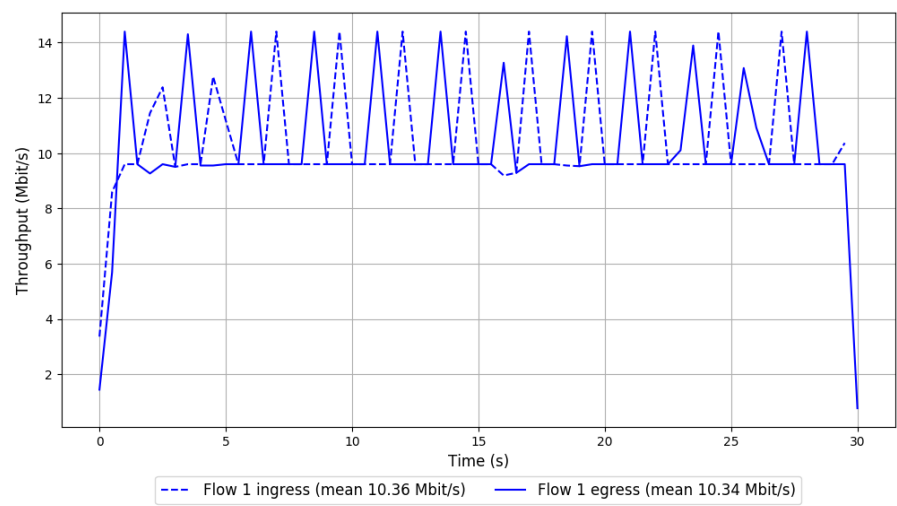
-- Flow 1:

Average throughput: 10.34 Mbit/s

95th percentile per-packet one-way delay: 114.258 ms

Loss rate: 0.19%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Sat, 05 Aug 2017 22:03:41 +0000

End at: Sat, 05 Aug 2017 22:04:11 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.79 Mbit/s

95th percentile per-packet one-way delay: 114.017 ms

Loss rate: 2.79%

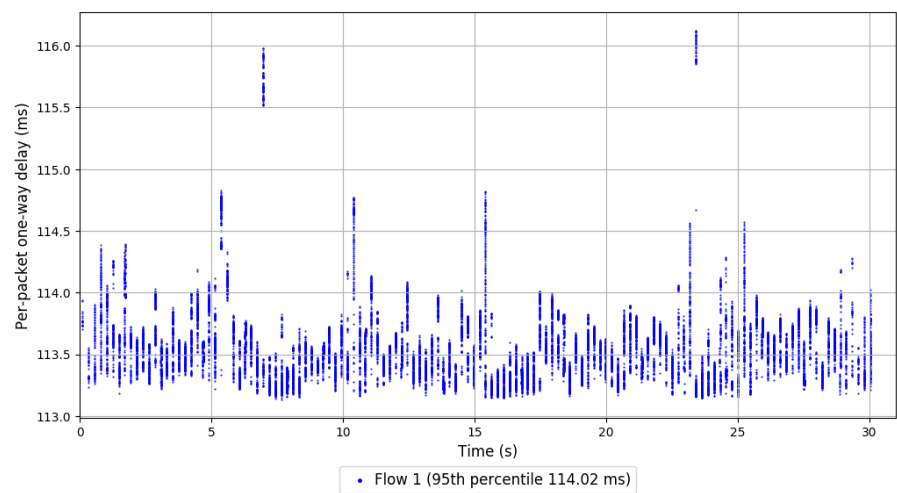
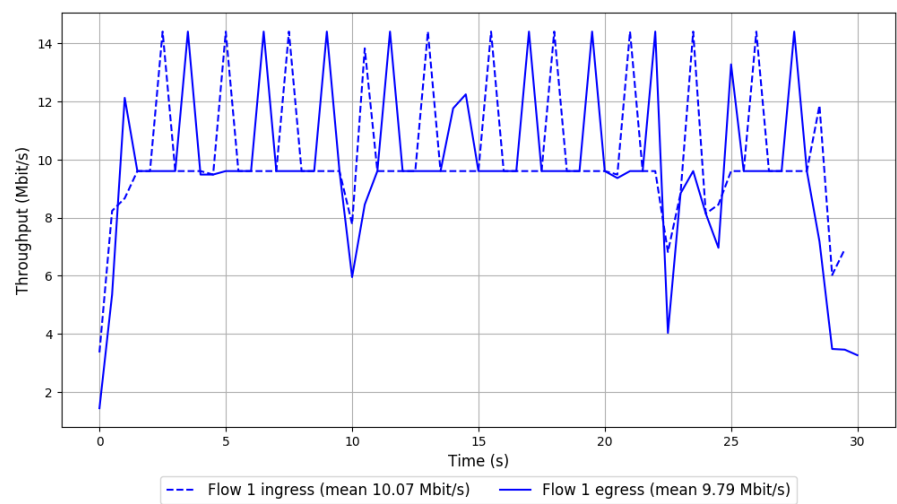
-- Flow 1:

Average throughput: 9.79 Mbit/s

95th percentile per-packet one-way delay: 114.017 ms

Loss rate: 2.79%

Run 6: Report of Saturator — Data Link

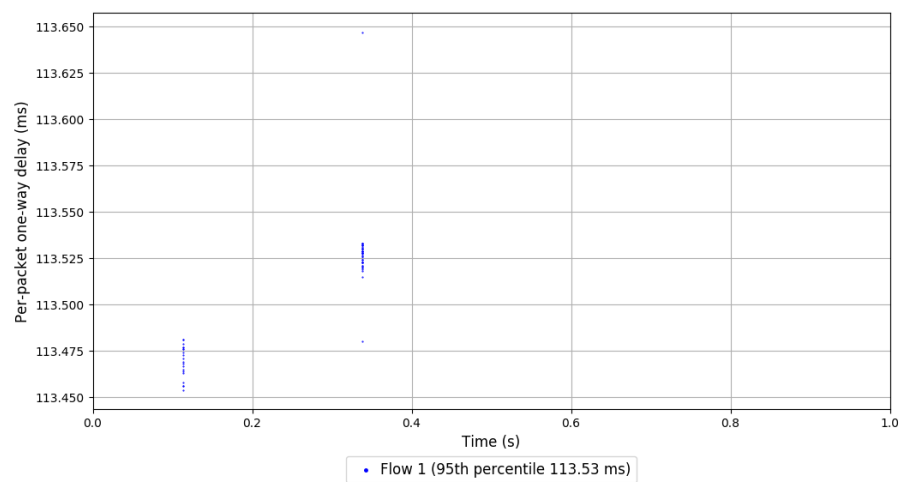
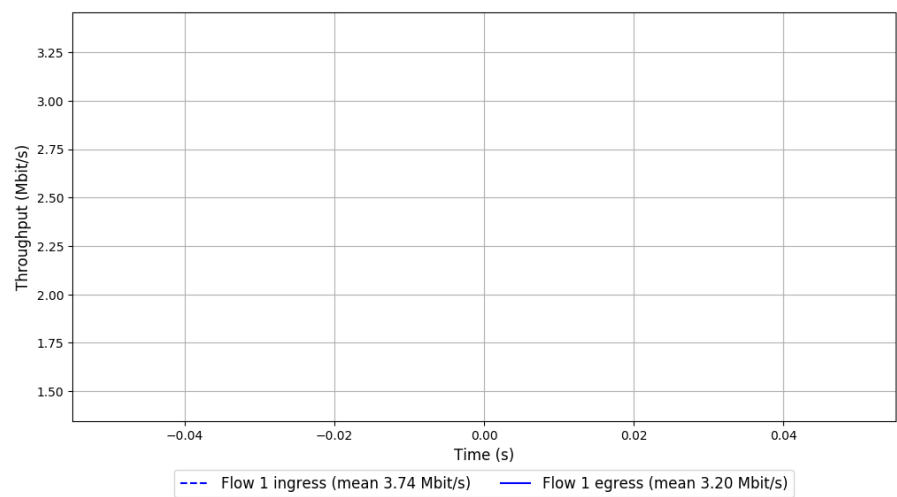


Run 7: Statistics of Saturator

Start at: Sat, 05 Aug 2017 22:14:50 +0000

End at: Sat, 05 Aug 2017 22:15:21 +0000

Run 7: Report of Saturator — Data Link

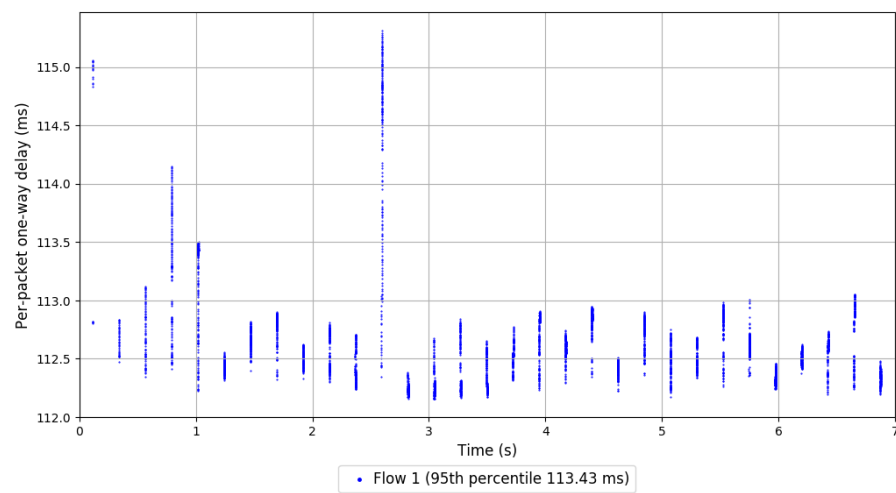
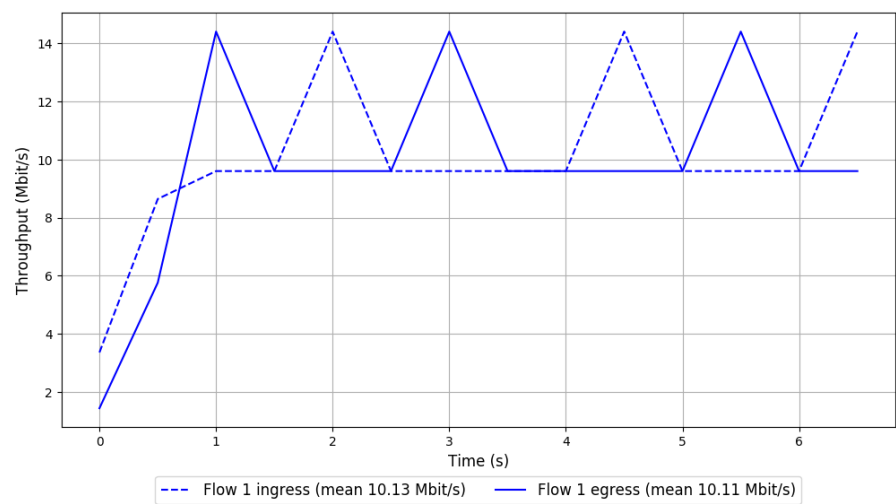


Run 8: Statistics of Saturator

Start at: Sat, 05 Aug 2017 22:26:11 +0000

End at: Sat, 05 Aug 2017 22:26:41 +0000

Run 8: Report of Saturator — Data Link

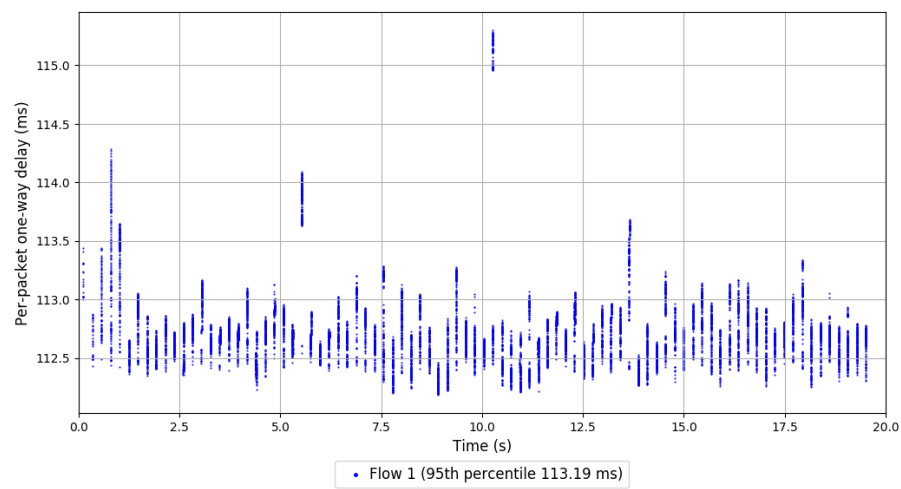
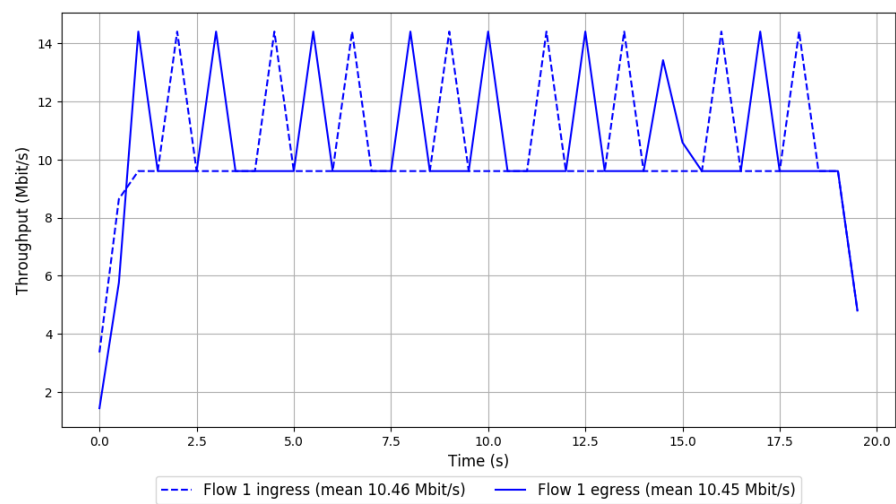


Run 9: Statistics of Saturator

Start at: Sat, 05 Aug 2017 22:37:42 +0000

End at: Sat, 05 Aug 2017 22:38:12 +0000

Run 9: Report of Saturator — Data Link

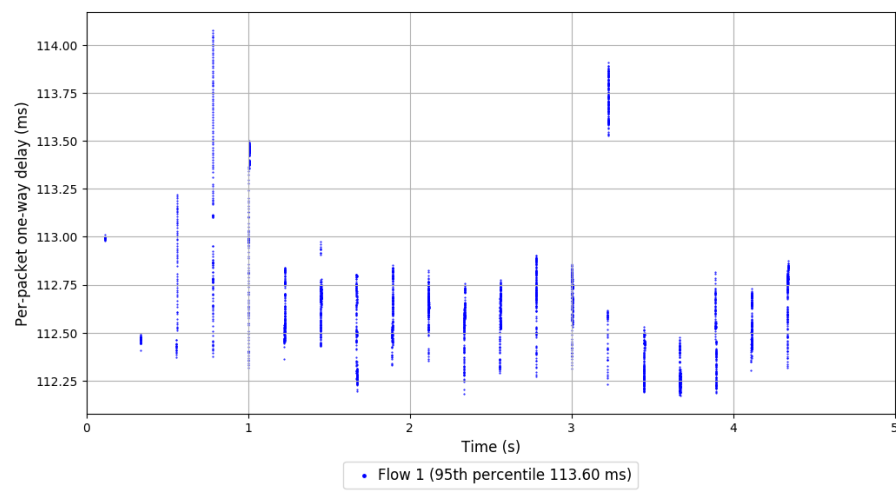
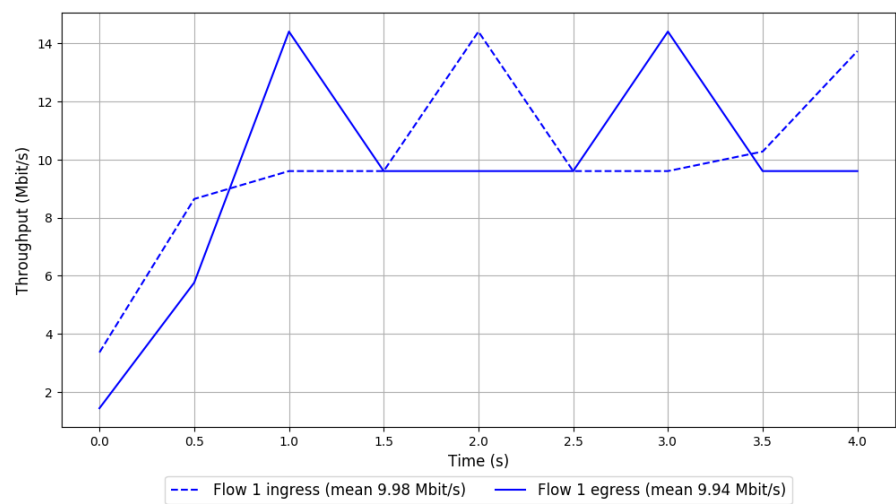


Run 10: Statistics of Saturator

Start at: Sat, 05 Aug 2017 22:49:11 +0000

End at: Sat, 05 Aug 2017 22:49:41 +0000

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Sat, 05 Aug 2017 21:04:59 +0000

End at: Sat, 05 Aug 2017 21:05:29 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 113.976 ms

Loss rate: 0.00%

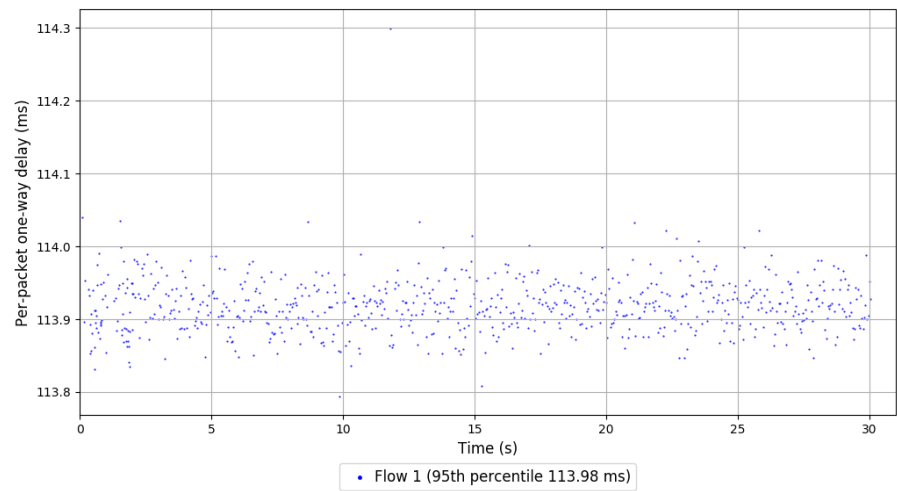
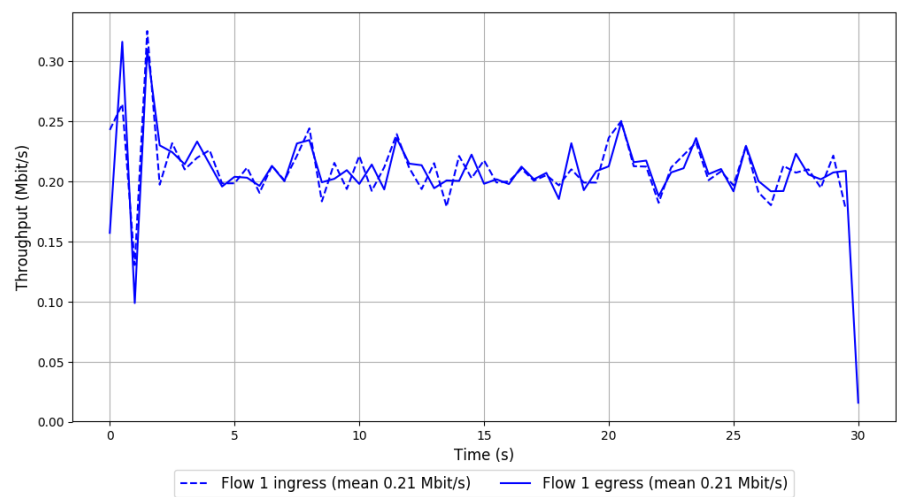
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 113.976 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Sat, 05 Aug 2017 21:16:03 +0000

End at: Sat, 05 Aug 2017 21:16:33 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 113.877 ms

Loss rate: 0.00%

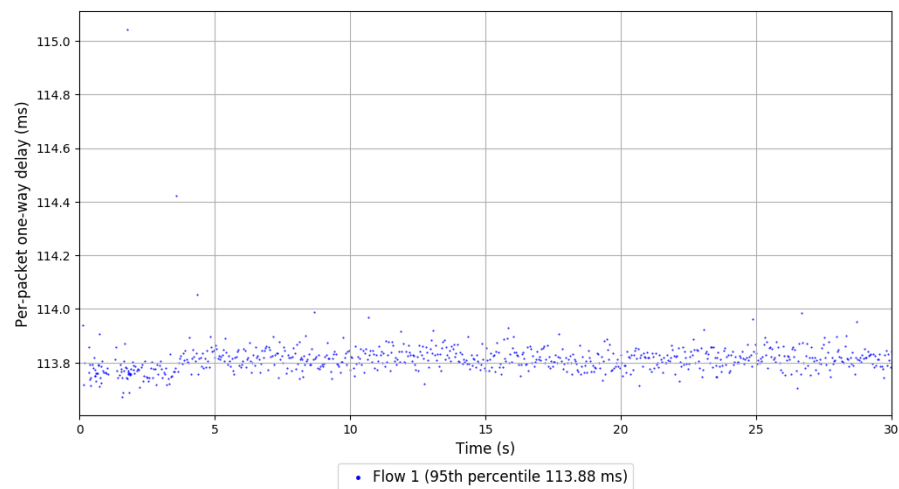
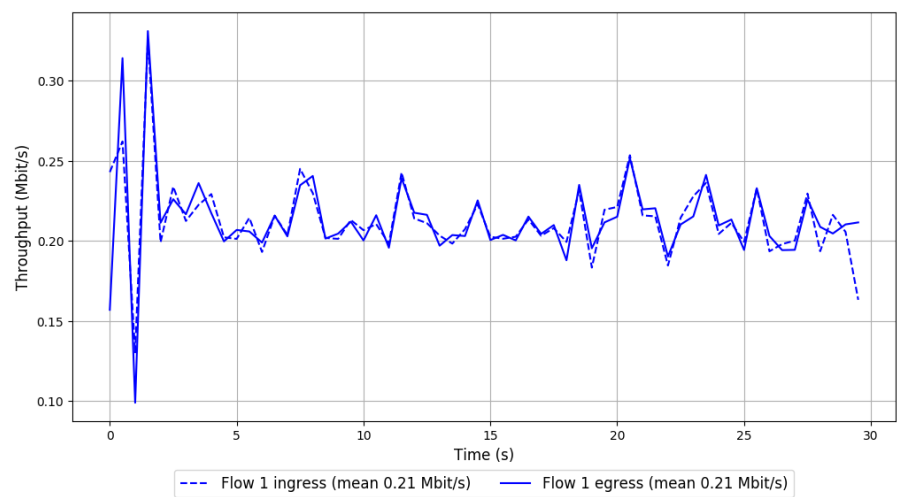
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 113.877 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Sat, 05 Aug 2017 21:27:26 +0000

End at: Sat, 05 Aug 2017 21:27:56 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.086 ms

Loss rate: 0.00%

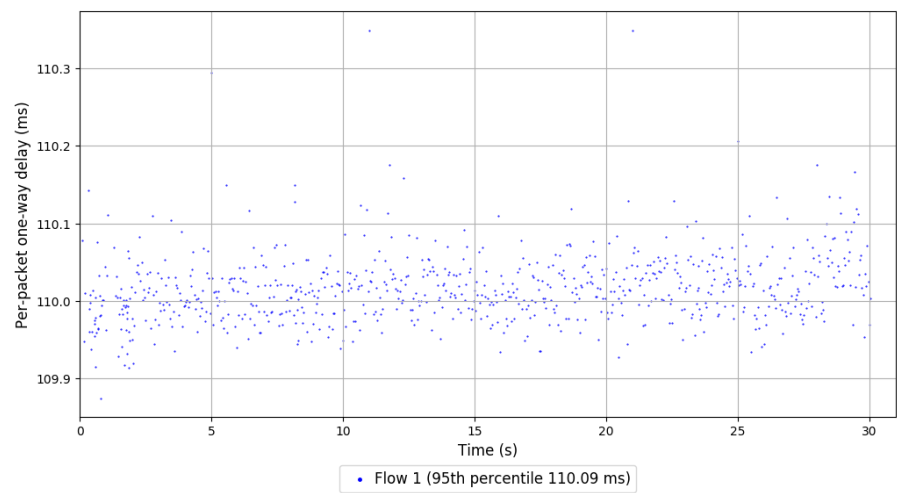
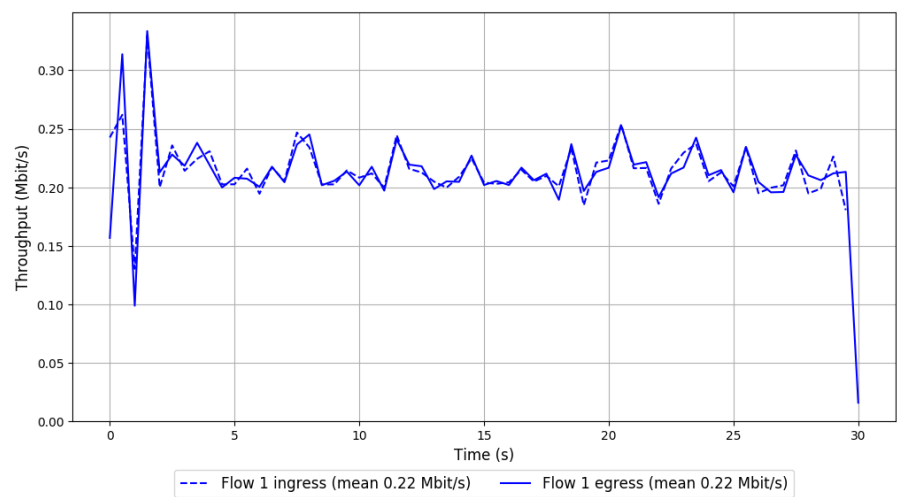
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.086 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Sat, 05 Aug 2017 21:38:38 +0000

End at: Sat, 05 Aug 2017 21:39:09 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.251 ms

Loss rate: 0.00%

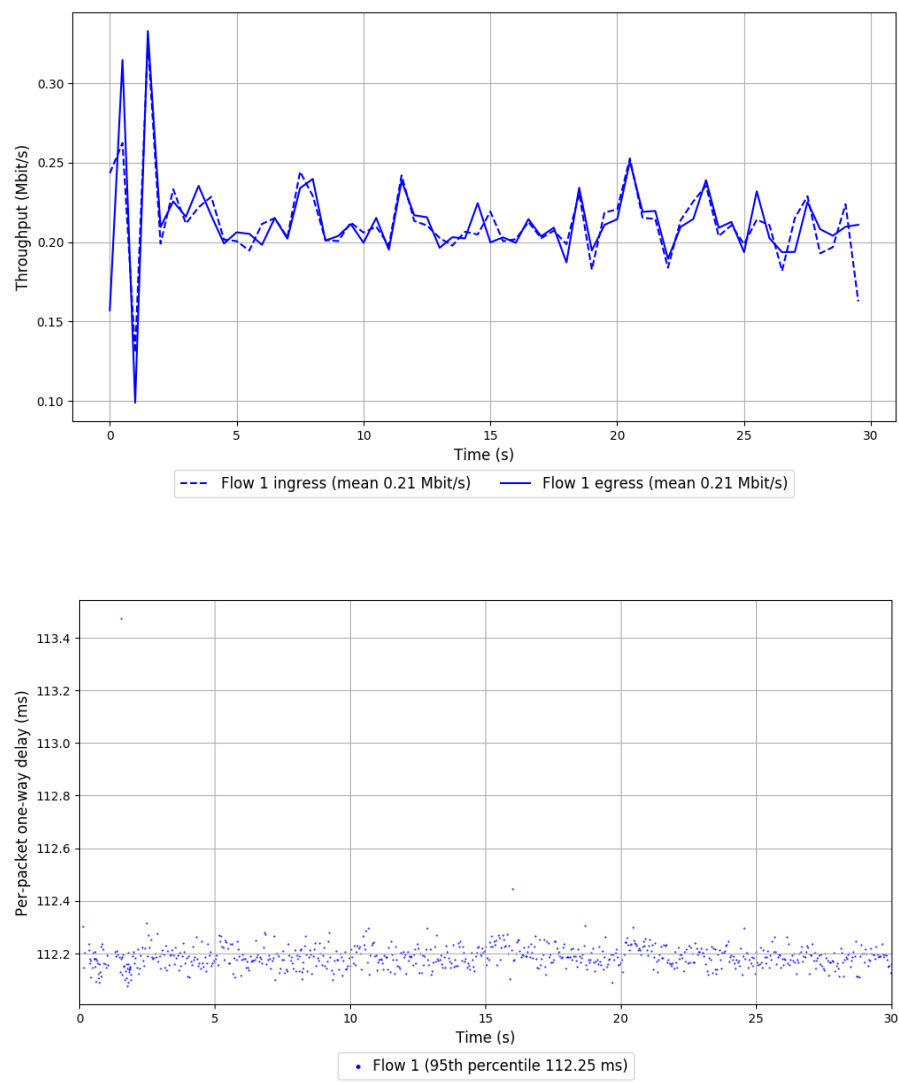
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.251 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Sat, 05 Aug 2017 21:50:07 +0000

End at: Sat, 05 Aug 2017 21:50:37 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.155 ms

Loss rate: 0.00%

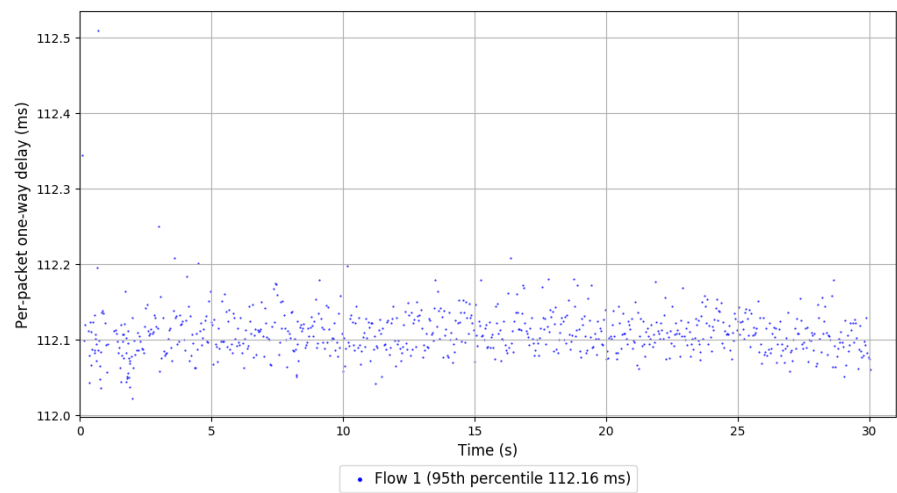
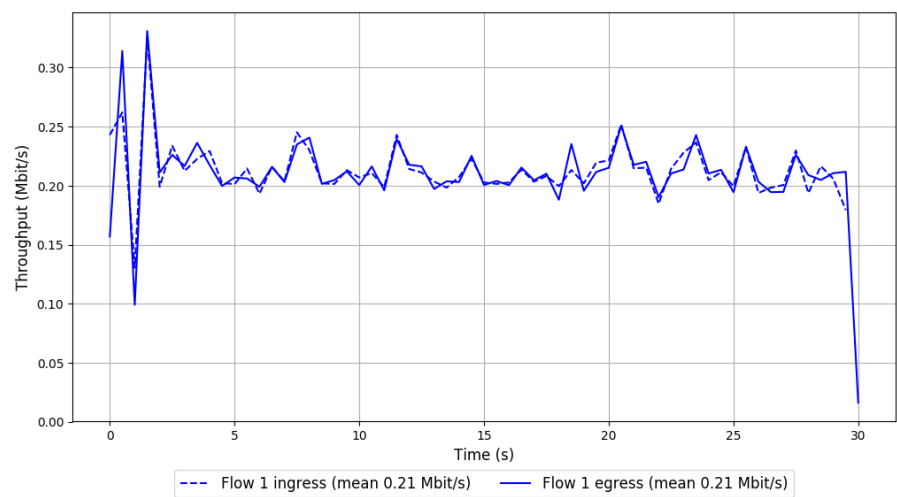
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.155 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Sat, 05 Aug 2017 22:01:35 +0000

End at: Sat, 05 Aug 2017 22:02:05 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 113.740 ms

Loss rate: 0.00%

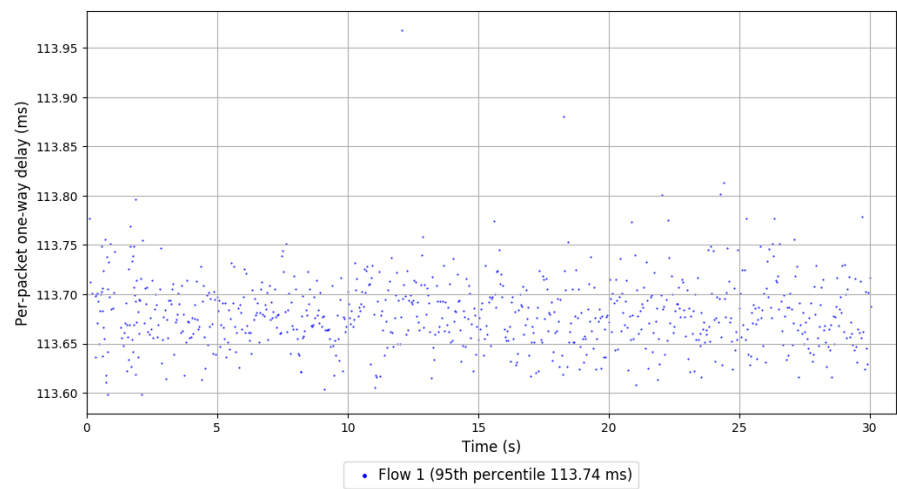
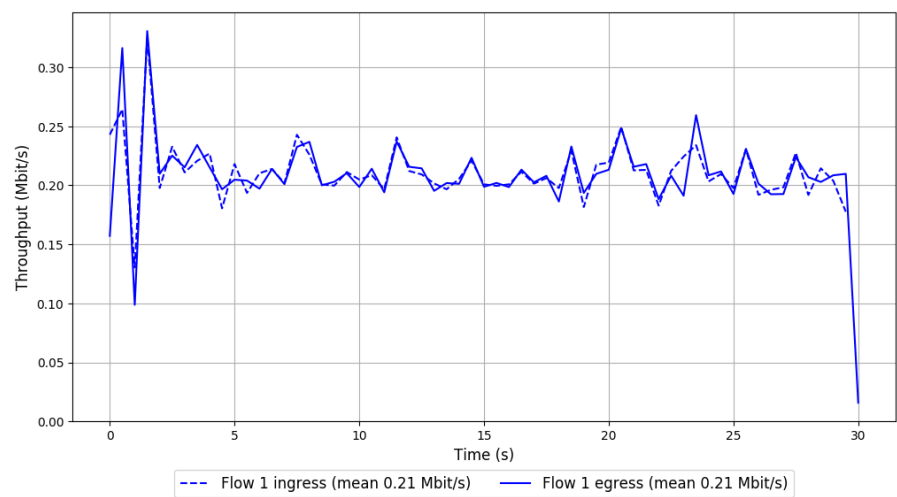
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 113.740 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Sat, 05 Aug 2017 22:12:46 +0000

End at: Sat, 05 Aug 2017 22:13:16 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.260 ms

Loss rate: 0.00%

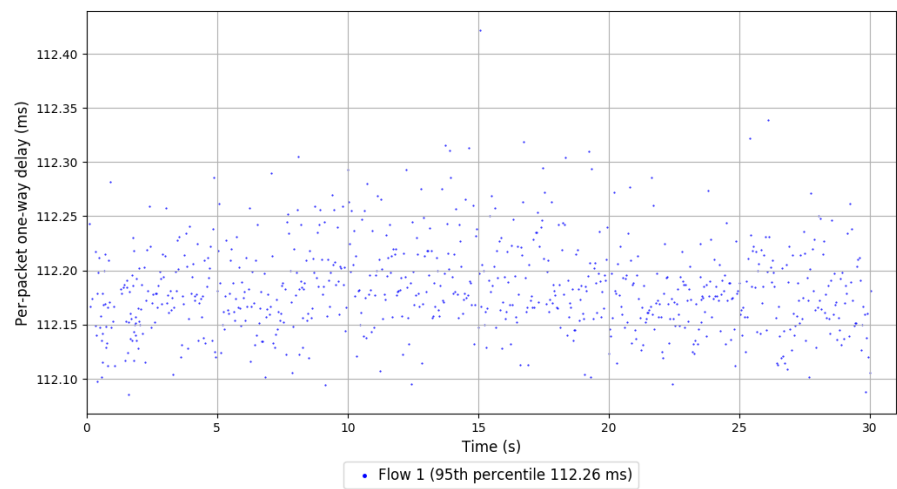
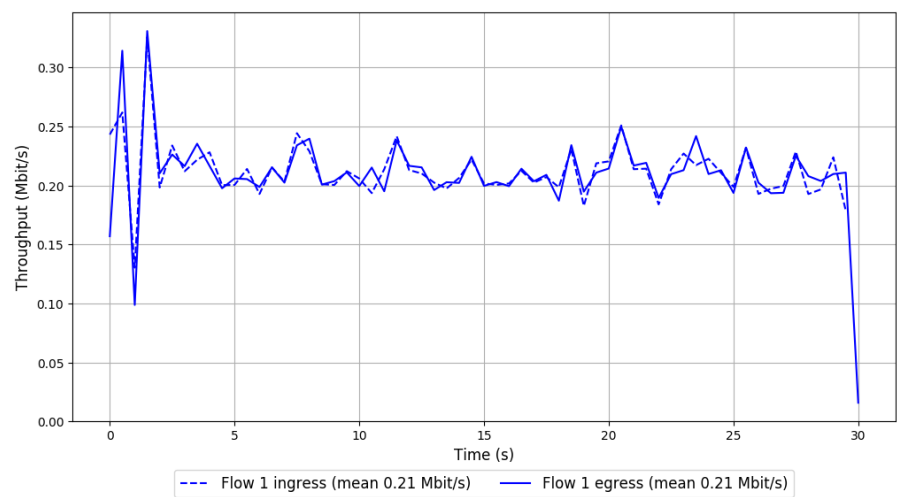
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 112.260 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Sat, 05 Aug 2017 22:24:07 +0000

End at: Sat, 05 Aug 2017 22:24:37 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 111.986 ms

Loss rate: 0.00%

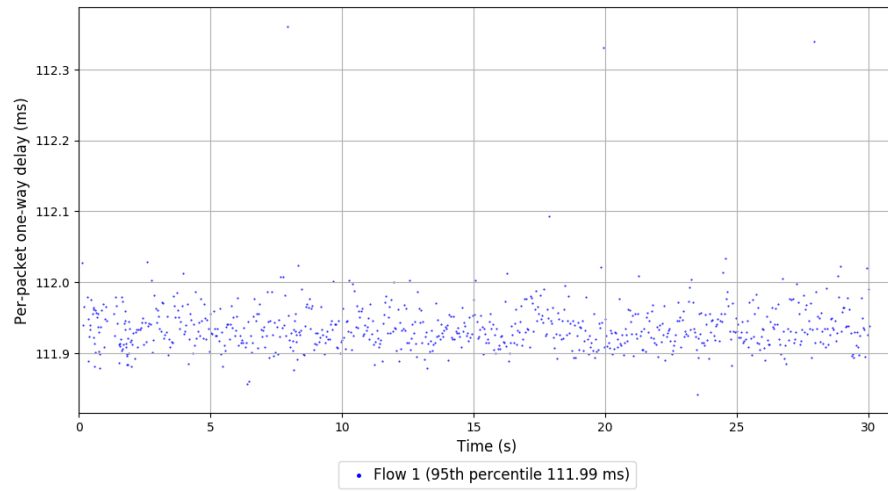
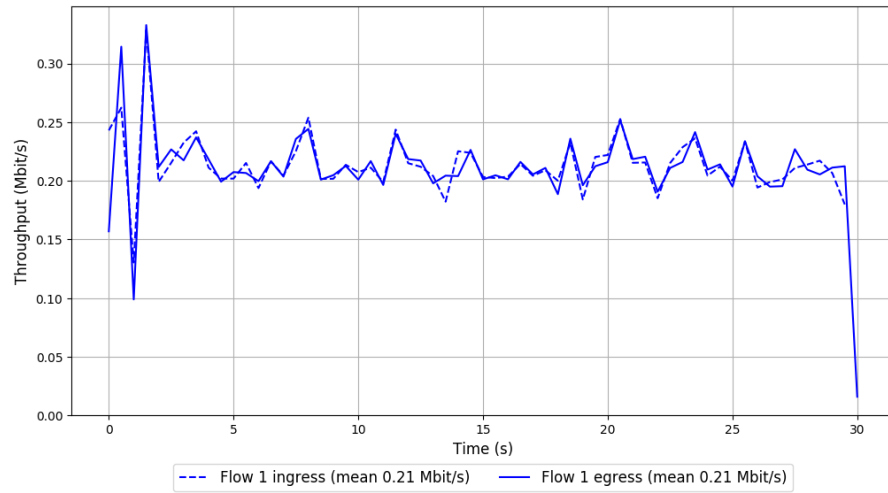
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 111.986 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Sat, 05 Aug 2017 22:35:36 +0000

End at: Sat, 05 Aug 2017 22:36:06 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.656 ms

Loss rate: 0.00%

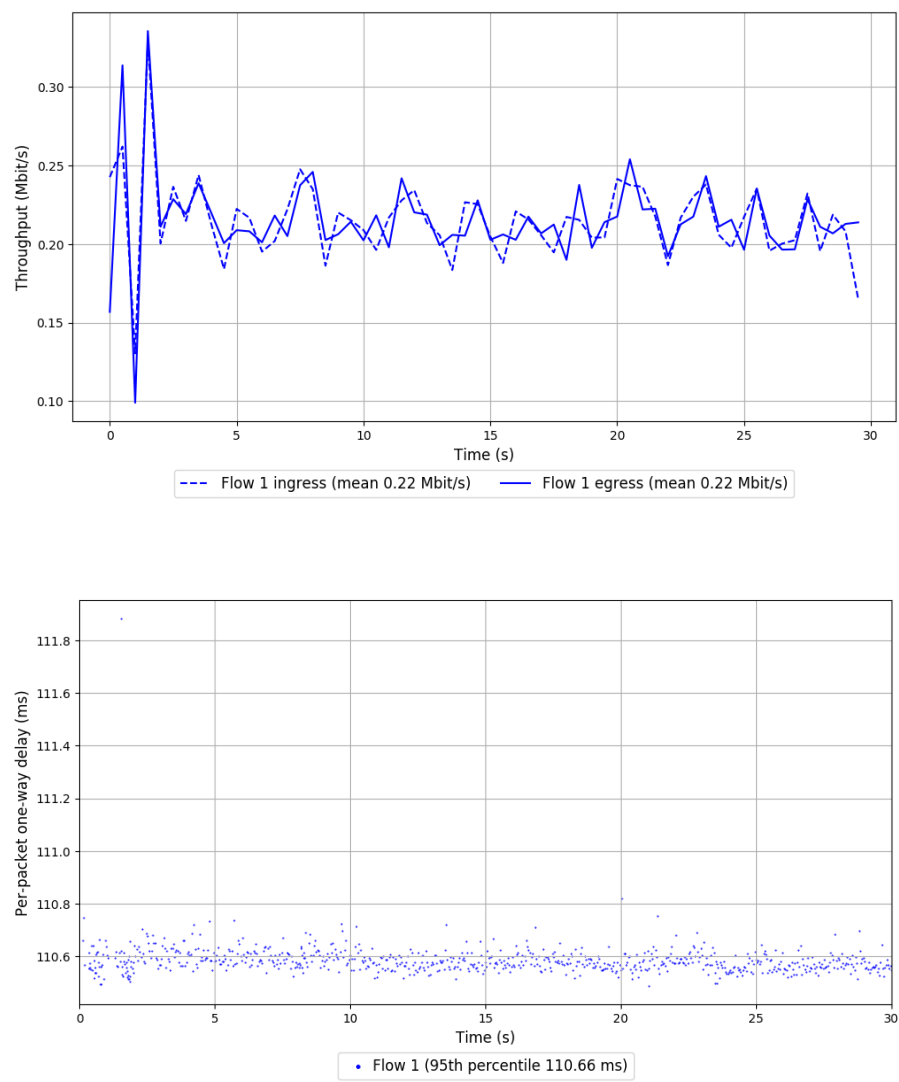
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 110.656 ms

Loss rate: 0.00%

Run 9: Report of SCRaM — Data Link



Run 10: Statistics of SReAM

Start at: Sat, 05 Aug 2017 22:47:08 +0000

End at: Sat, 05 Aug 2017 22:47:38 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.605 ms

Loss rate: 0.00%

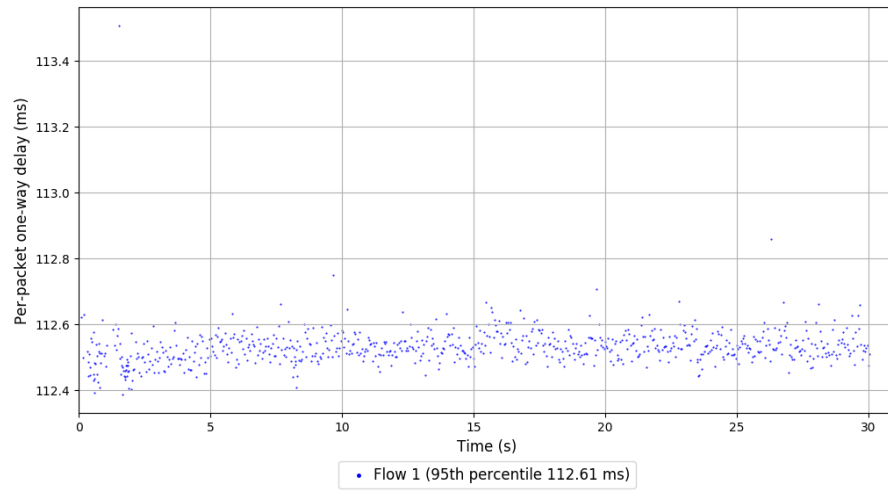
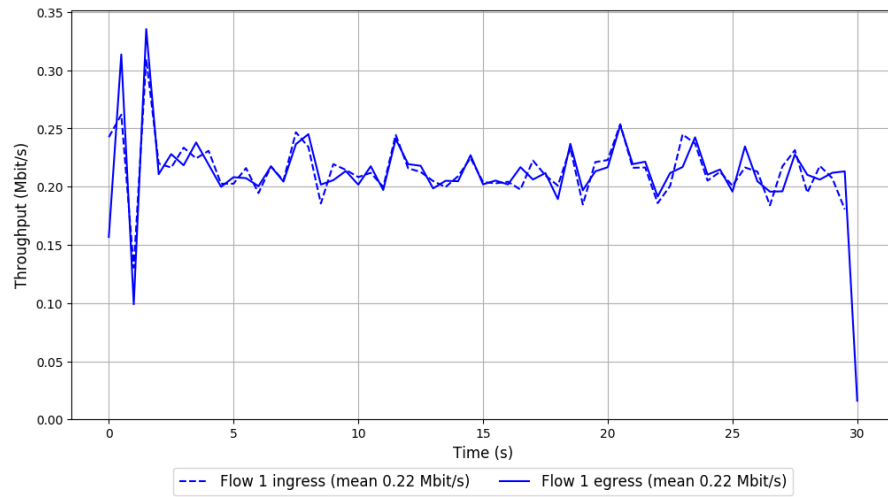
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 112.605 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link

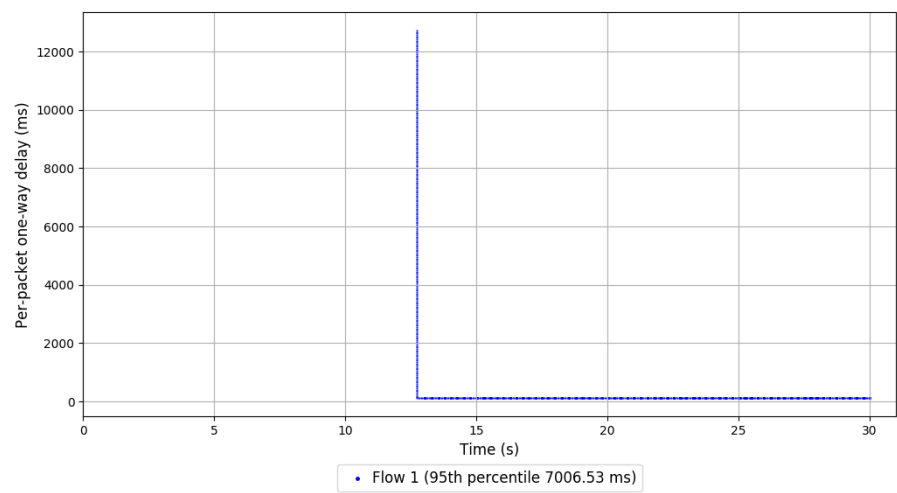
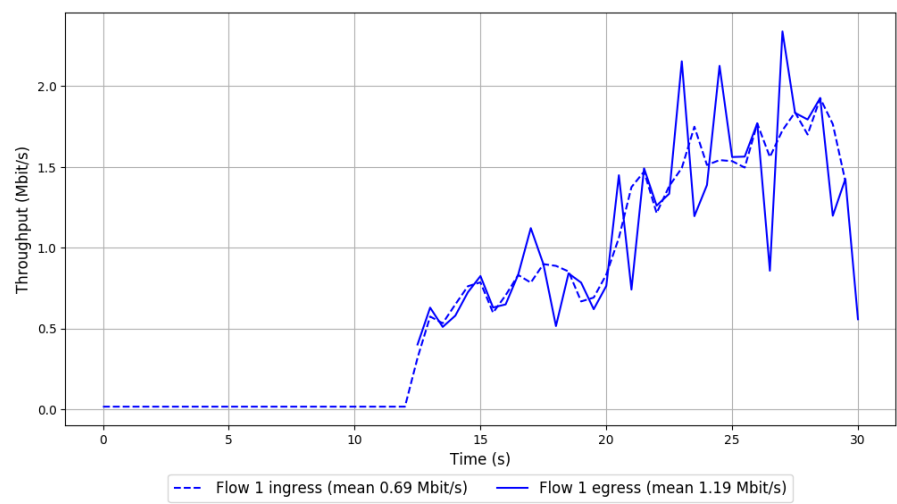


Run 1: Statistics of Sprout

Start at: Sat, 05 Aug 2017 21:09:14 +0000

End at: Sat, 05 Aug 2017 21:09:44 +0000

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Sat, 05 Aug 2017 21:20:28 +0000

End at: Sat, 05 Aug 2017 21:20:58 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.54 Mbit/s

95th percentile per-packet one-way delay: 113.943 ms

Loss rate: 0.00%

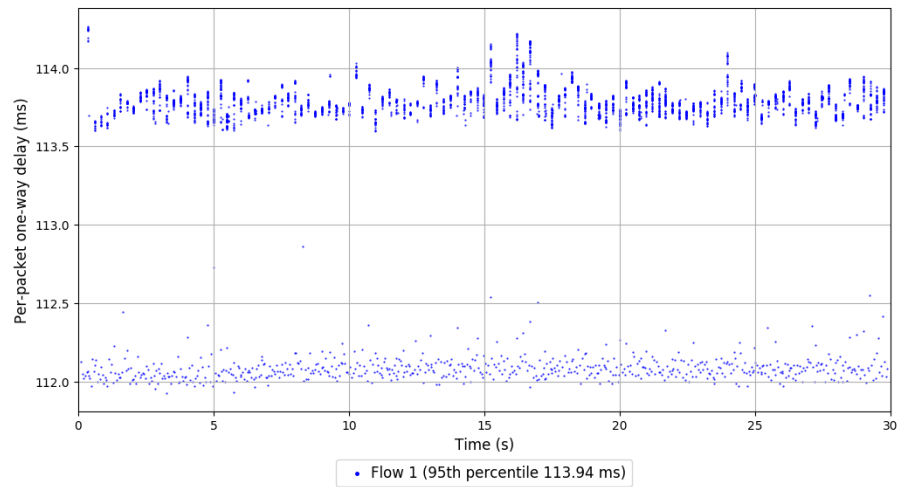
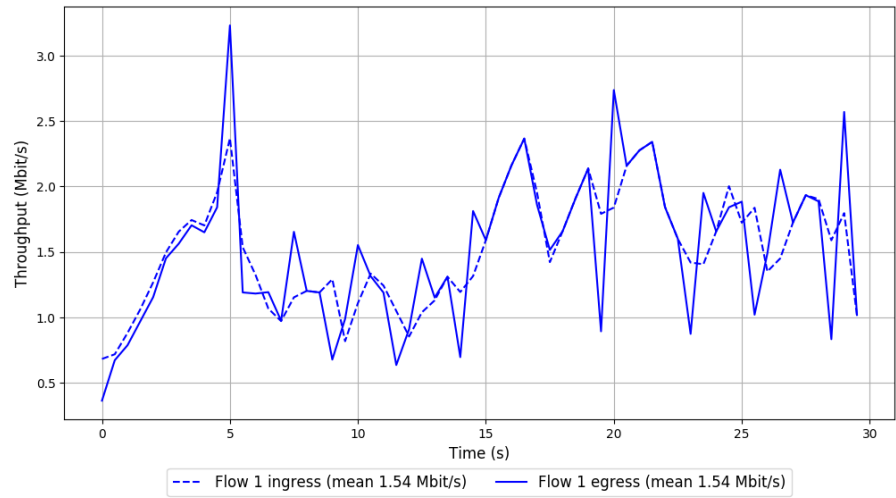
-- Flow 1:

Average throughput: 1.54 Mbit/s

95th percentile per-packet one-way delay: 113.943 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sat, 05 Aug 2017 21:31:46 +0000

End at: Sat, 05 Aug 2017 21:32:16 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.70 Mbit/s

95th percentile per-packet one-way delay: 114.000 ms

Loss rate: 0.00%

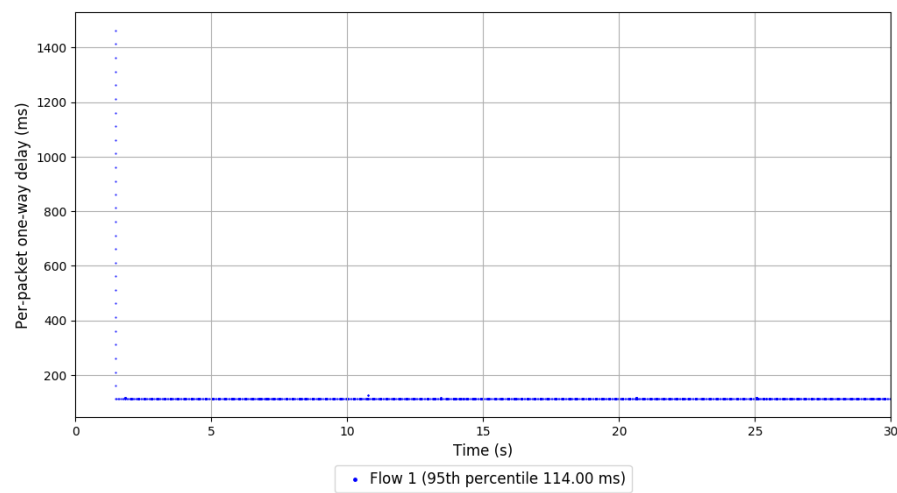
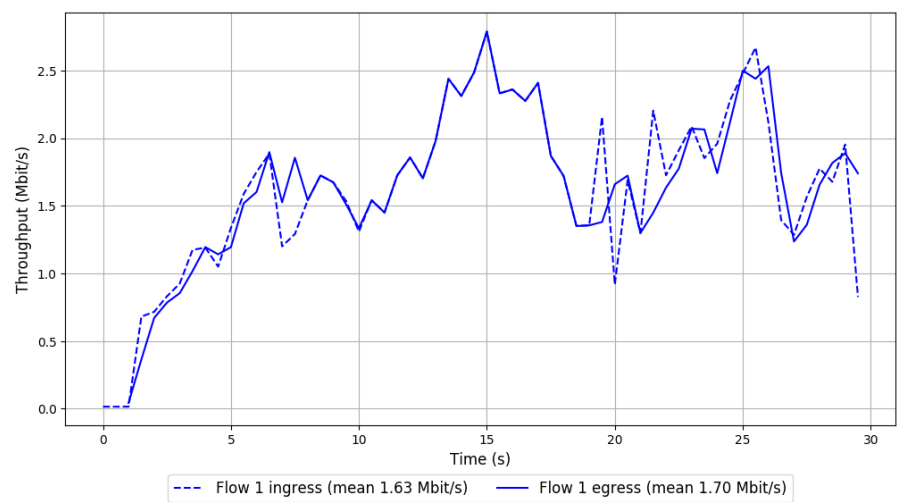
-- Flow 1:

Average throughput: 1.70 Mbit/s

95th percentile per-packet one-way delay: 114.000 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Sat, 05 Aug 2017 21:43:12 +0000

End at: Sat, 05 Aug 2017 21:43:42 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.69 Mbit/s

95th percentile per-packet one-way delay: 113.484 ms

Loss rate: 2.60%

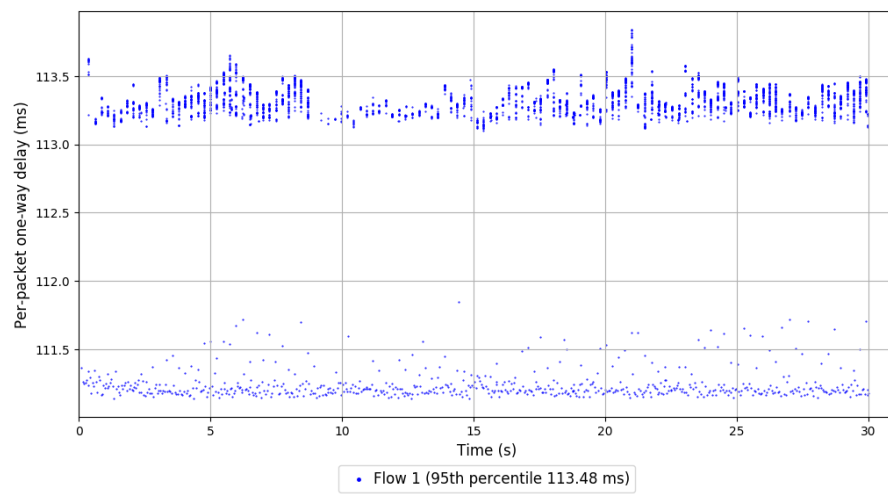
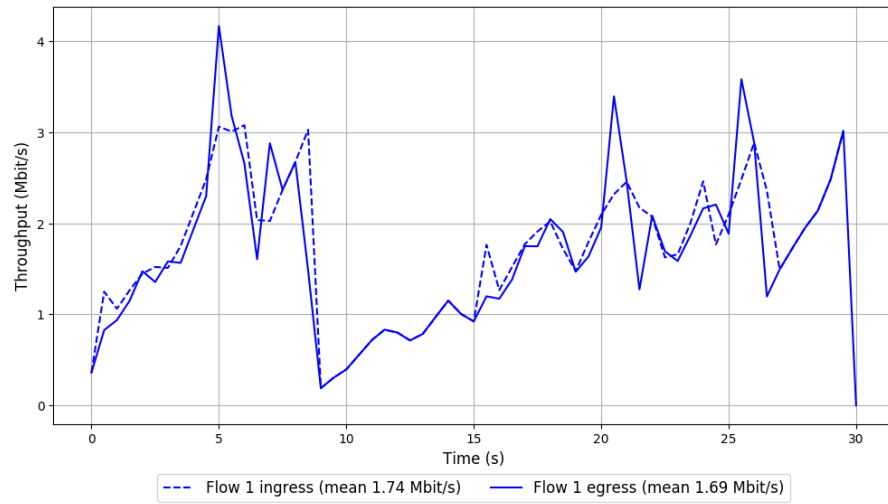
-- Flow 1:

Average throughput: 1.69 Mbit/s

95th percentile per-packet one-way delay: 113.484 ms

Loss rate: 2.60%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Sat, 05 Aug 2017 21:54:36 +0000

End at: Sat, 05 Aug 2017 21:55:06 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 113.747 ms

Loss rate: 0.00%

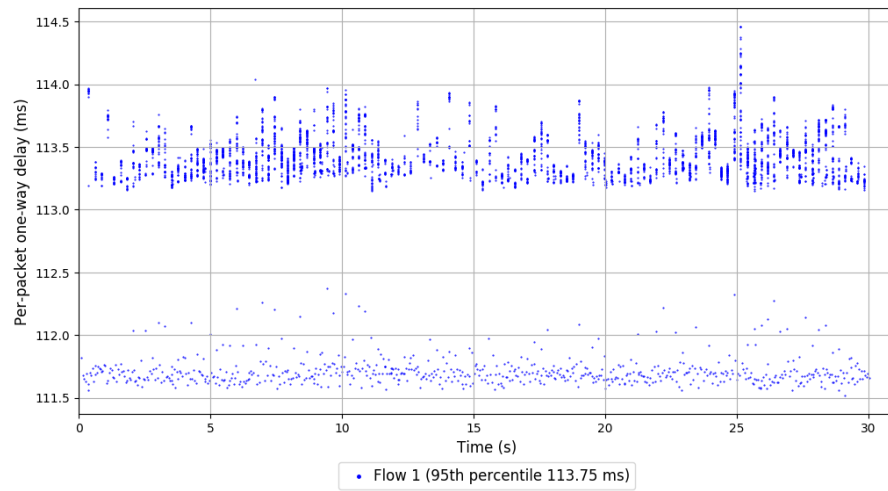
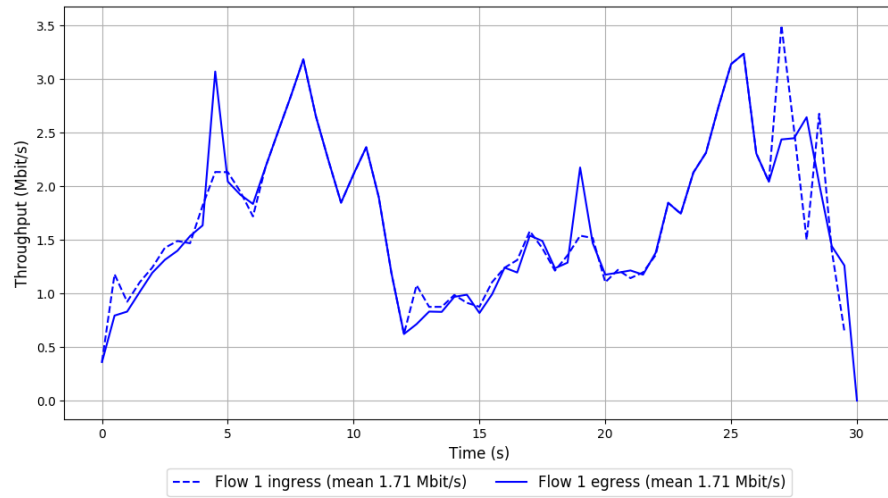
-- Flow 1:

Average throughput: 1.71 Mbit/s

95th percentile per-packet one-way delay: 113.747 ms

Loss rate: 0.00%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Sat, 05 Aug 2017 22:05:51 +0000

End at: Sat, 05 Aug 2017 22:06:21 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 113.820 ms

Loss rate: 0.00%

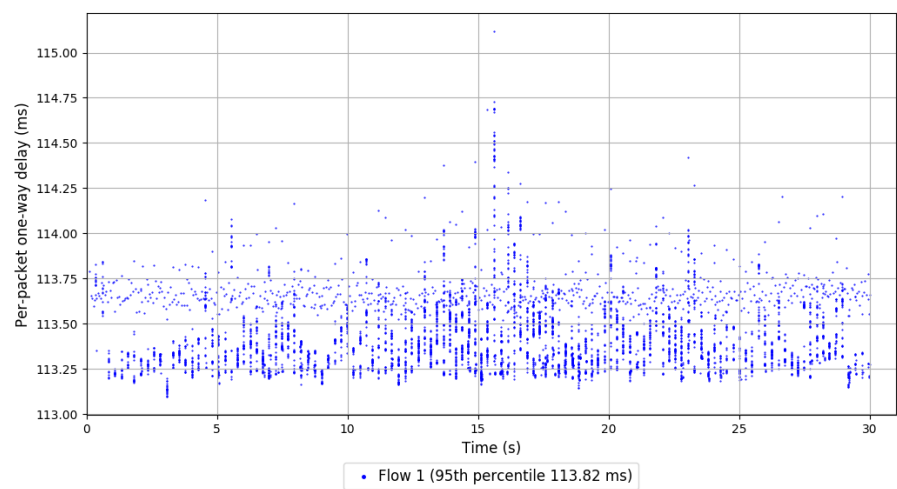
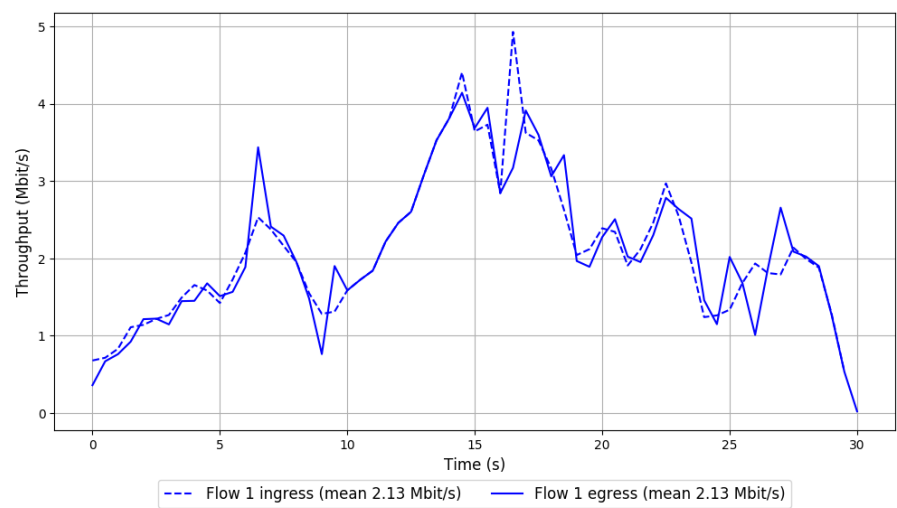
-- Flow 1:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 113.820 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Sat, 05 Aug 2017 22:17:07 +0000

End at: Sat, 05 Aug 2017 22:17:37 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.67 Mbit/s

95th percentile per-packet one-way delay: 113.861 ms

Loss rate: 1.01%

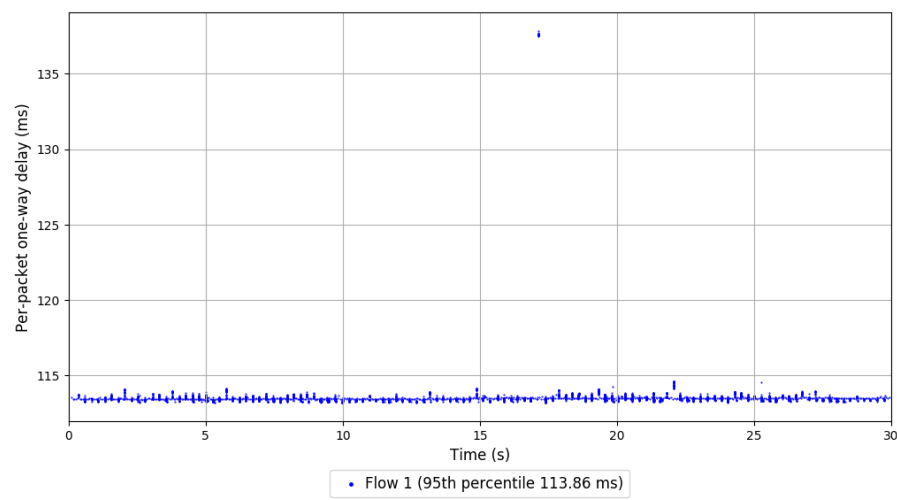
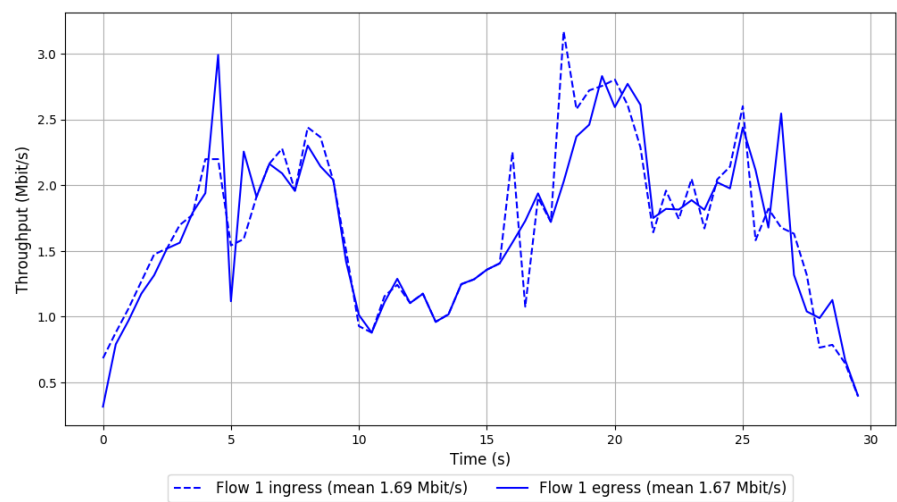
-- Flow 1:

Average throughput: 1.67 Mbit/s

95th percentile per-packet one-way delay: 113.861 ms

Loss rate: 1.01%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Sat, 05 Aug 2017 22:28:43 +0000

End at: Sat, 05 Aug 2017 22:29:13 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 112.850 ms

Loss rate: 0.04%

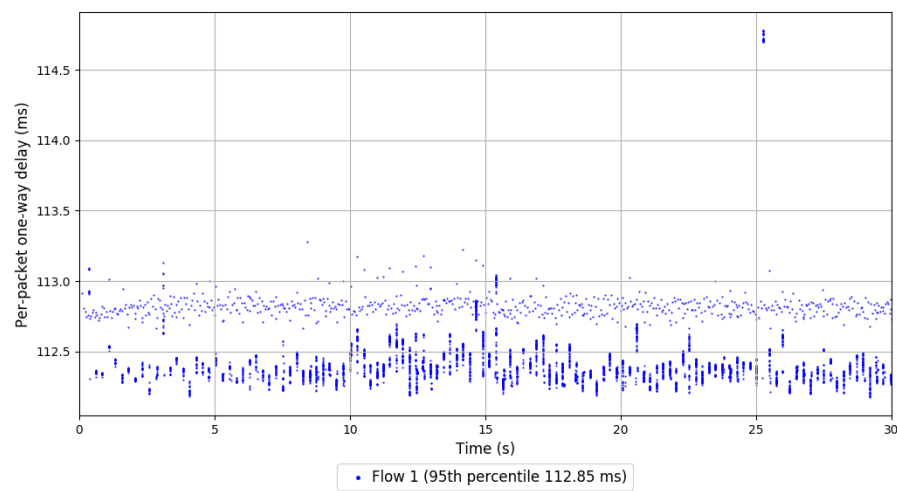
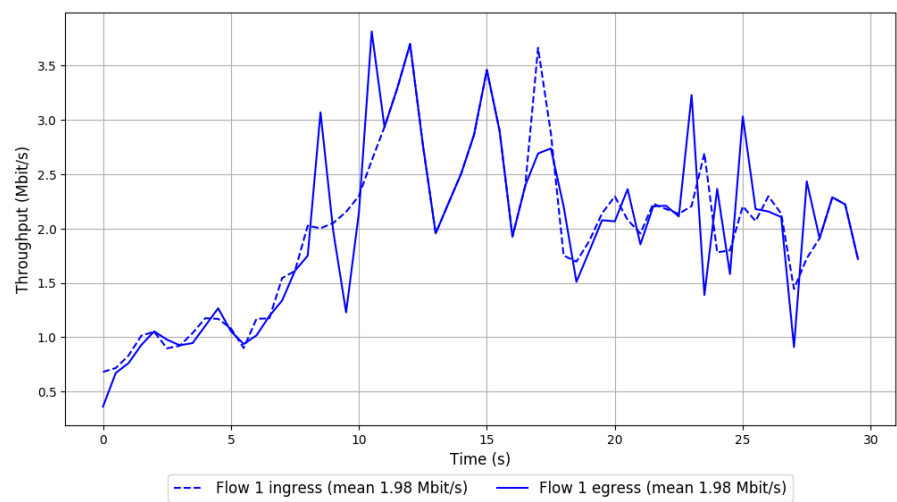
-- Flow 1:

Average throughput: 1.98 Mbit/s

95th percentile per-packet one-way delay: 112.850 ms

Loss rate: 0.04%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Sat, 05 Aug 2017 22:40:05 +0000

End at: Sat, 05 Aug 2017 22:40:35 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 112.754 ms

Loss rate: 1.27%

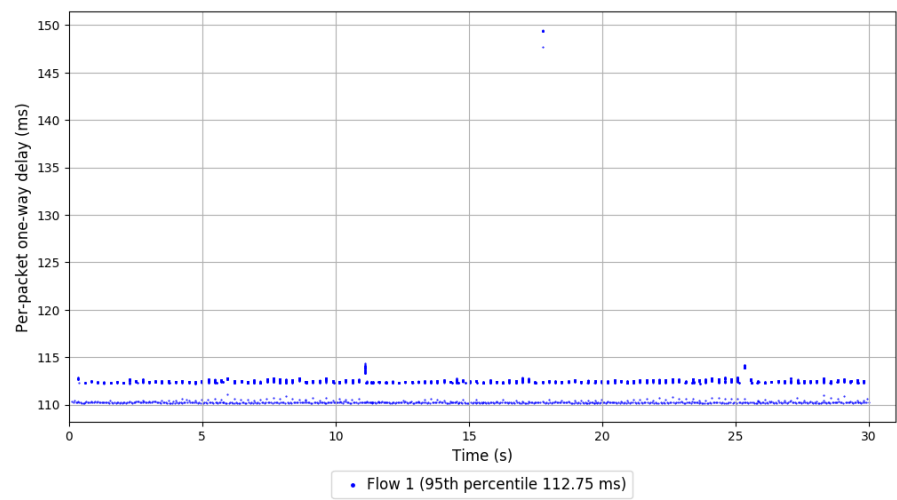
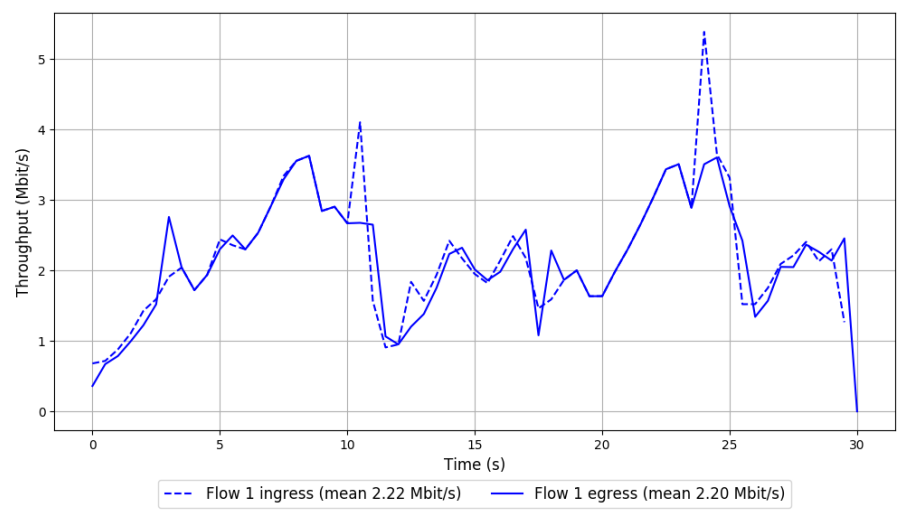
-- Flow 1:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 112.754 ms

Loss rate: 1.27%

Run 9: Report of Sprout — Data Link

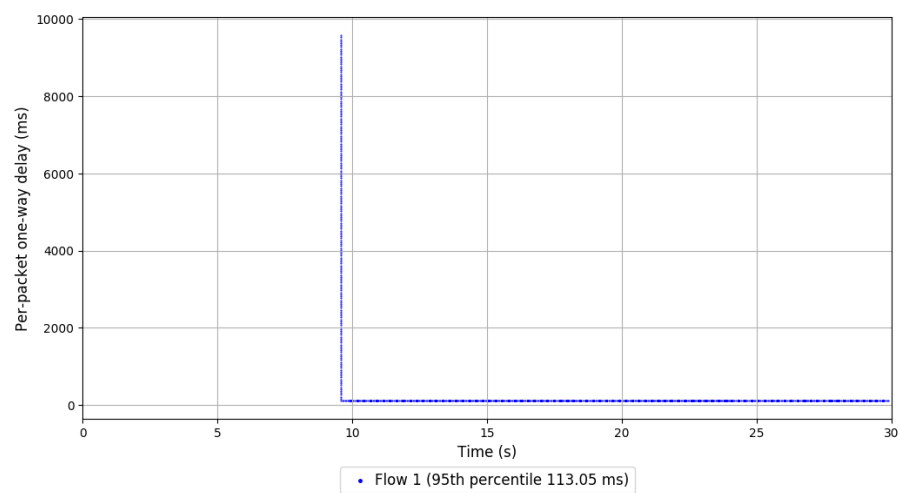
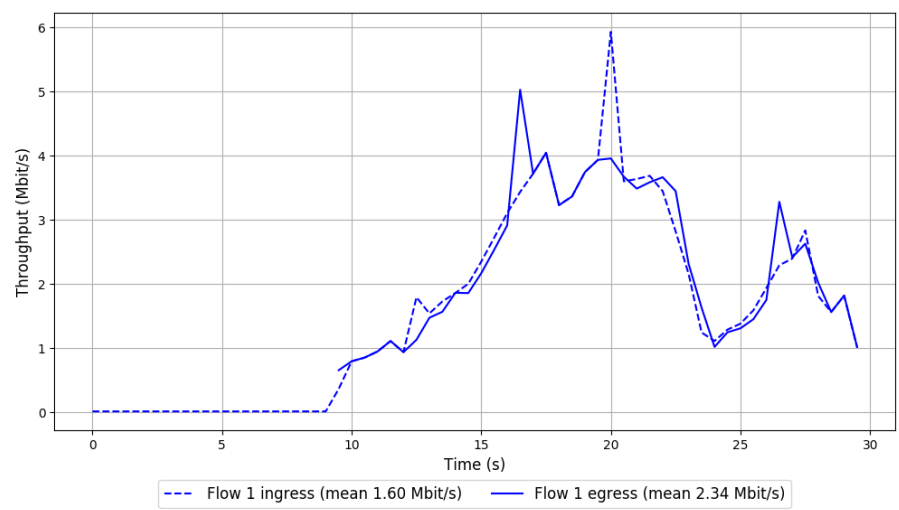


Run 10: Statistics of Sprout

Start at: Sat, 05 Aug 2017 22:51:26 +0000

End at: Sat, 05 Aug 2017 22:51:56 +0000

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Sat, 05 Aug 2017 21:08:30 +0000

End at: Sat, 05 Aug 2017 21:09:00 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.78 Mbit/s

95th percentile per-packet one-way delay: 113.528 ms

Loss rate: 0.00%

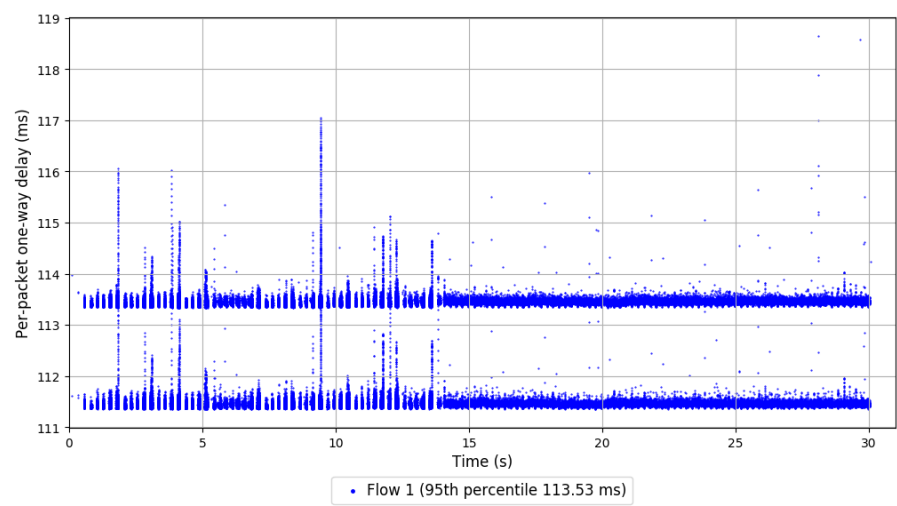
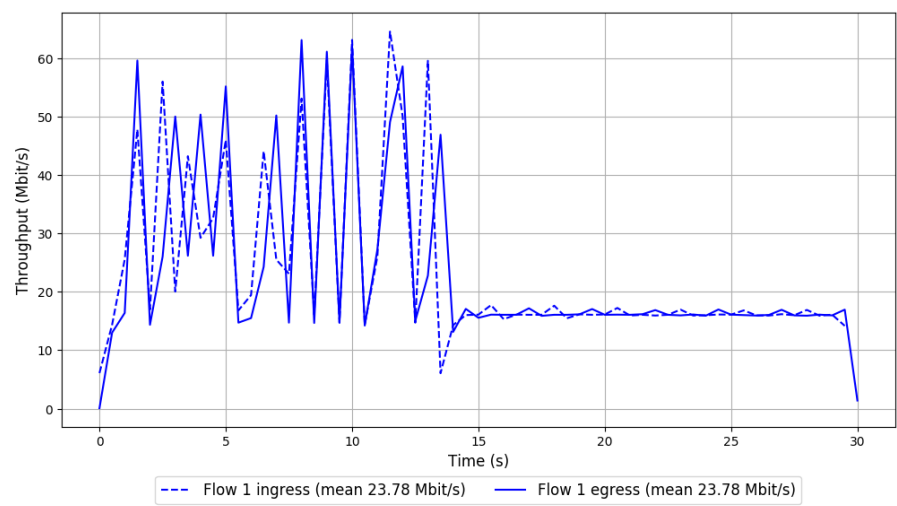
-- Flow 1:

Average throughput: 23.78 Mbit/s

95th percentile per-packet one-way delay: 113.528 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: Sat, 05 Aug 2017 21:19:29 +0000

End at: Sat, 05 Aug 2017 21:19:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:02:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 189.93 Mbit/s

95th percentile per-packet one-way delay: 117.497 ms

Loss rate: 0.00%

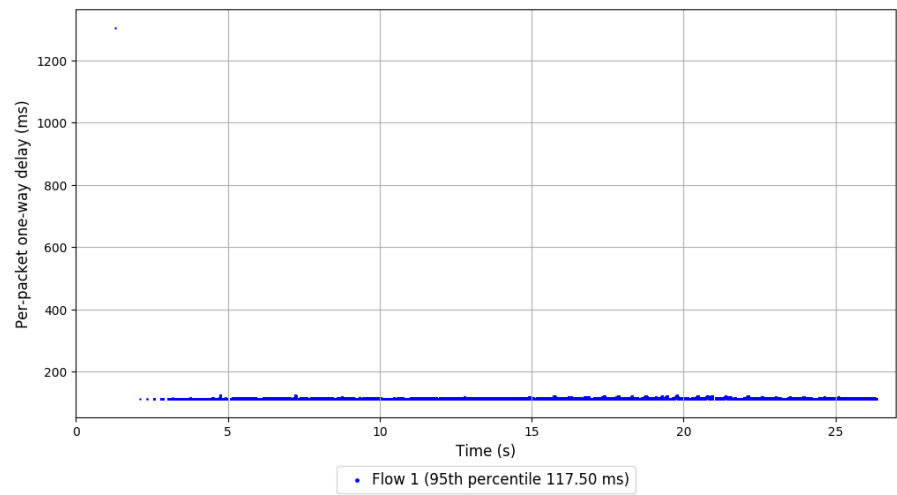
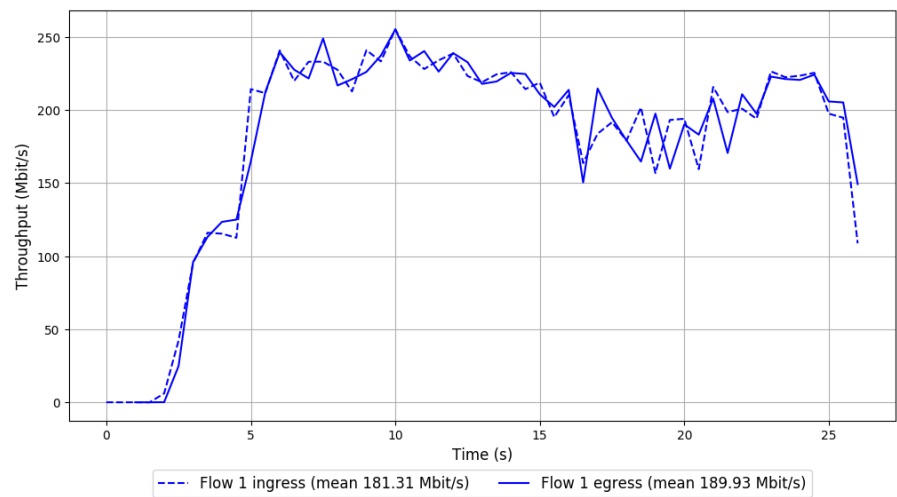
-- Flow 1:

Average throughput: 189.93 Mbit/s

95th percentile per-packet one-way delay: 117.497 ms

Loss rate: 0.00%

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

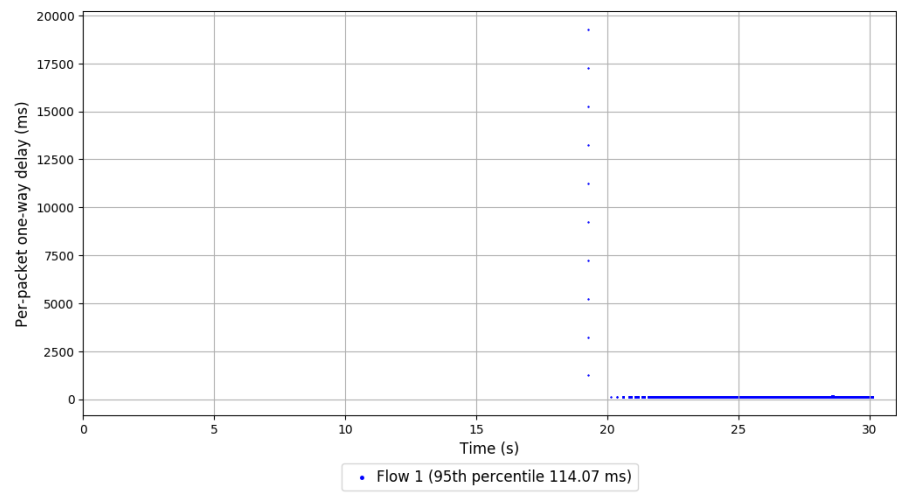
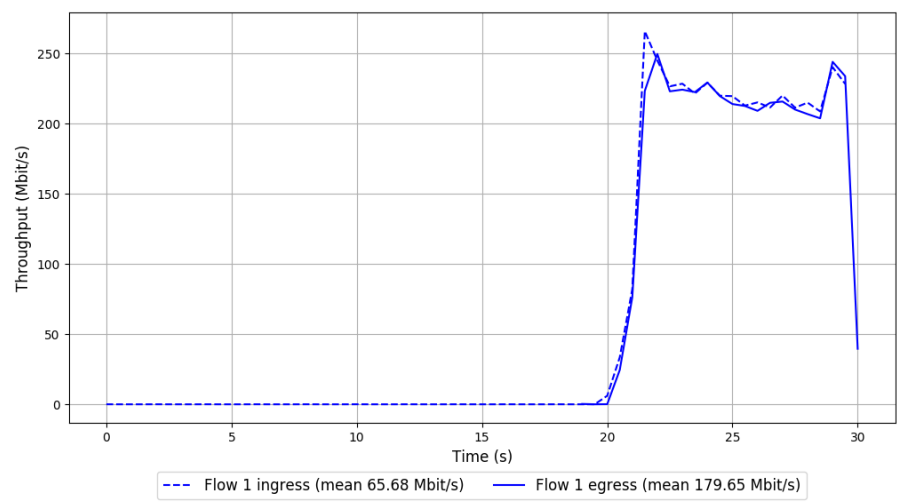


Run 3: Statistics of TaoVA-100x

Start at: Sat, 05 Aug 2017 21:30:58 +0000

End at: Sat, 05 Aug 2017 21:31:28 +0000

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



Run 4: Statistics of TaoVA-100x

Start at: Sat, 05 Aug 2017 21:42:09 +0000

End at: Sat, 05 Aug 2017 21:42:39 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:03:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 201.78 Mbit/s

95th percentile per-packet one-way delay: 115.834 ms

Loss rate: 0.03%

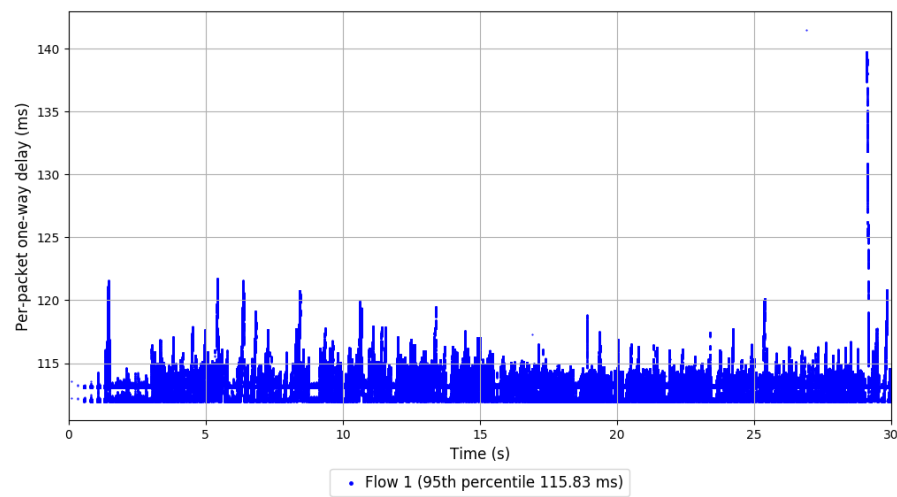
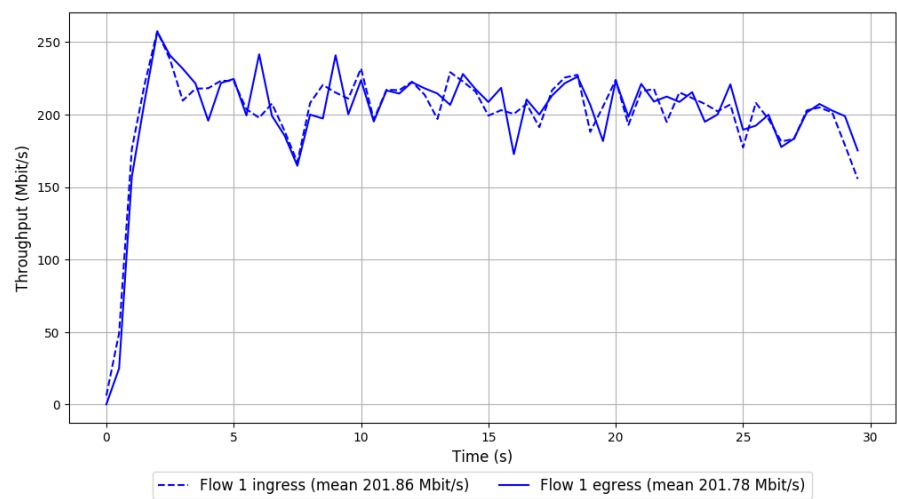
-- Flow 1:

Average throughput: 201.78 Mbit/s

95th percentile per-packet one-way delay: 115.834 ms

Loss rate: 0.03%

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



Run 5: Statistics of TaoVA-100x

Start at: Sat, 05 Aug 2017 21:53:36 +0000

End at: Sat, 05 Aug 2017 21:54:06 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:03:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.44 Mbit/s

95th percentile per-packet one-way delay: 113.878 ms

Loss rate: 0.00%

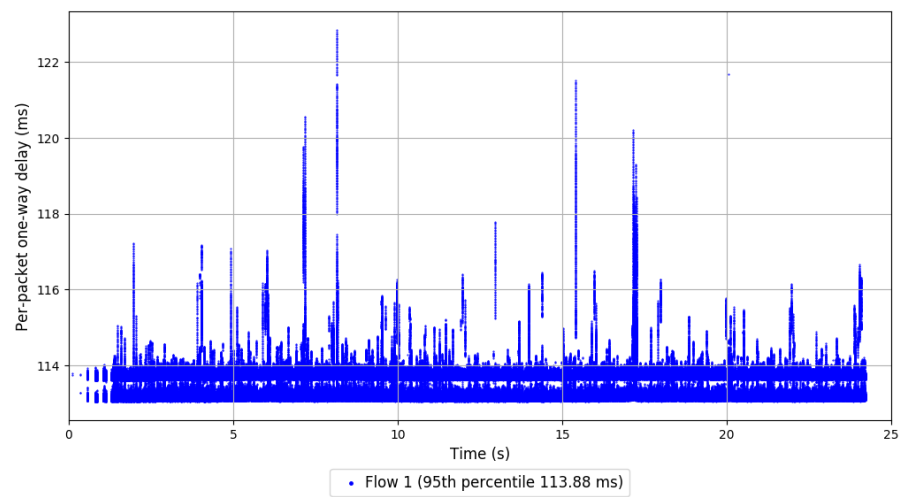
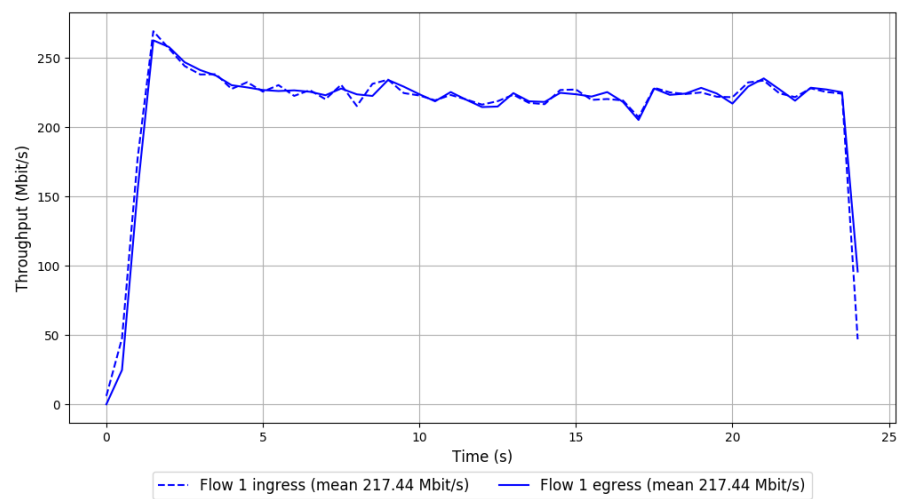
-- Flow 1:

Average throughput: 217.44 Mbit/s

95th percentile per-packet one-way delay: 113.878 ms

Loss rate: 0.00%

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

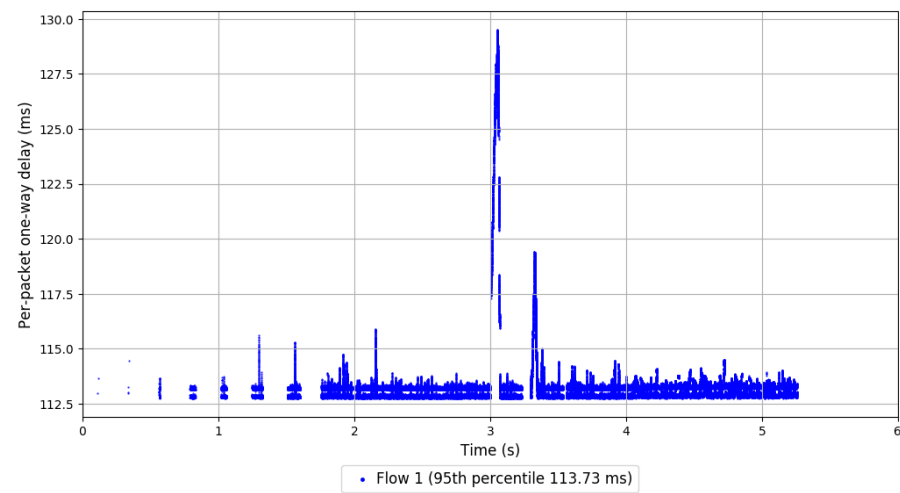
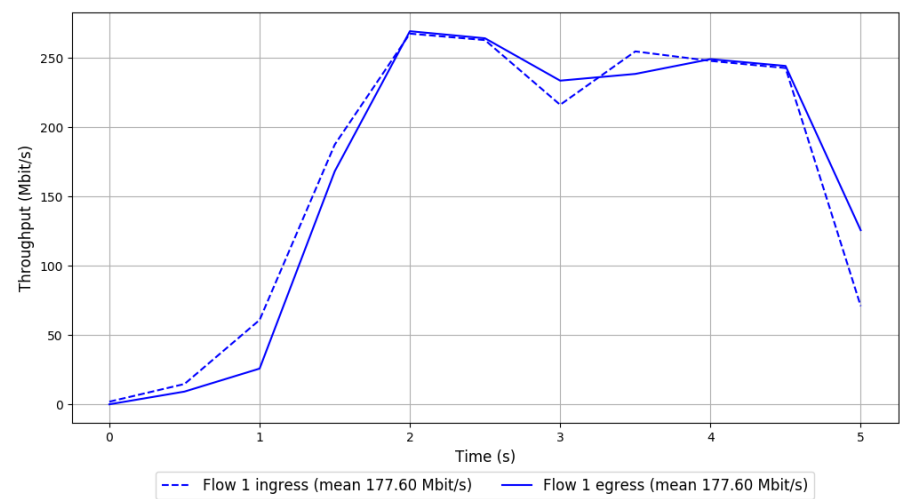


Run 6: Statistics of TaoVA-100x

Start at: Sat, 05 Aug 2017 22:05:07 +0000

End at: Sat, 05 Aug 2017 22:05:37 +0000

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

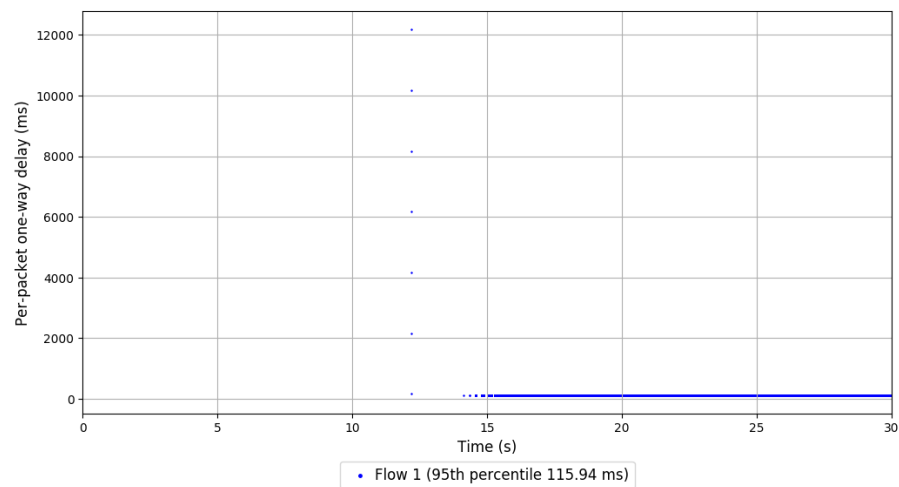
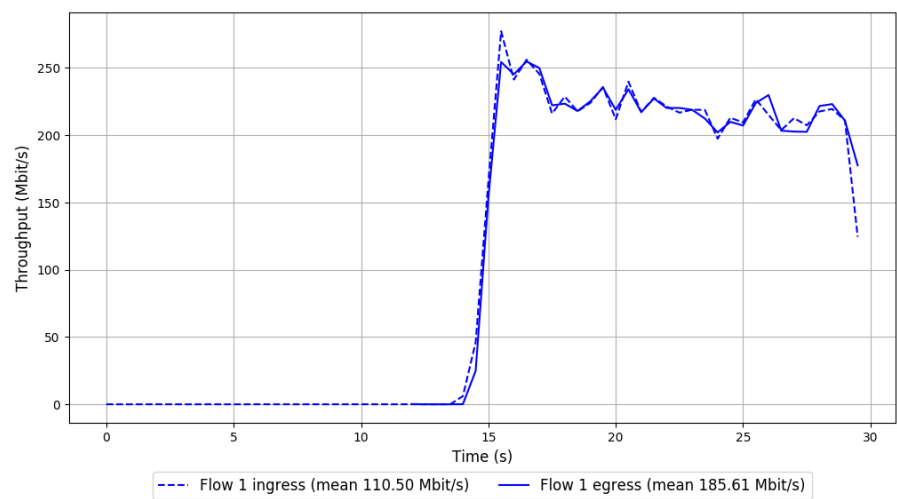


Run 7: Statistics of TaoVA-100x

Start at: Sat, 05 Aug 2017 22:16:14 +0000

End at: Sat, 05 Aug 2017 22:16:44 +0000

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



Run 8: Statistics of TaoVA-100x

Start at: Sat, 05 Aug 2017 22:27:41 +0000

End at: Sat, 05 Aug 2017 22:28:11 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:04:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 213.15 Mbit/s

95th percentile per-packet one-way delay: 114.330 ms

Loss rate: 0.08%

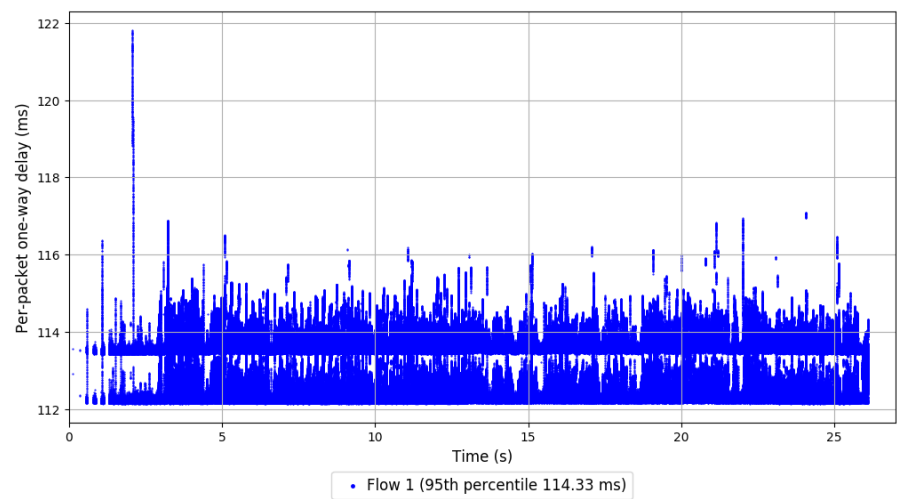
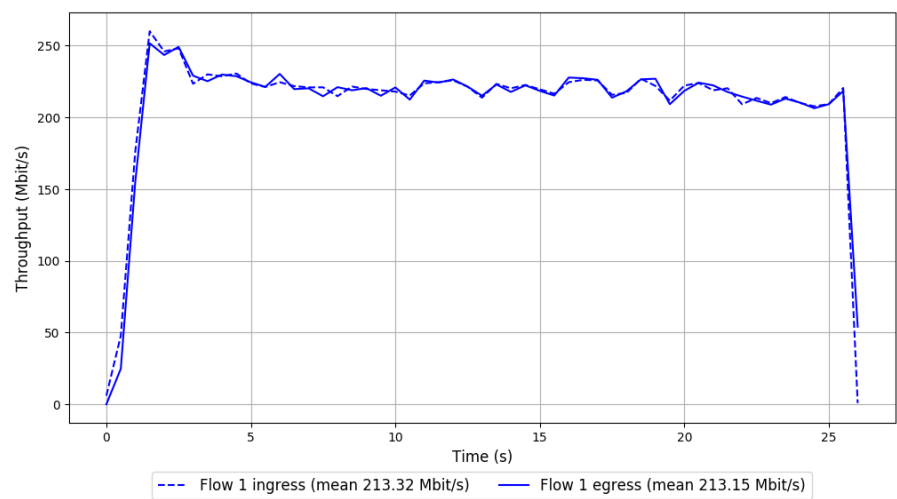
-- Flow 1:

Average throughput: 213.15 Mbit/s

95th percentile per-packet one-way delay: 114.330 ms

Loss rate: 0.08%

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

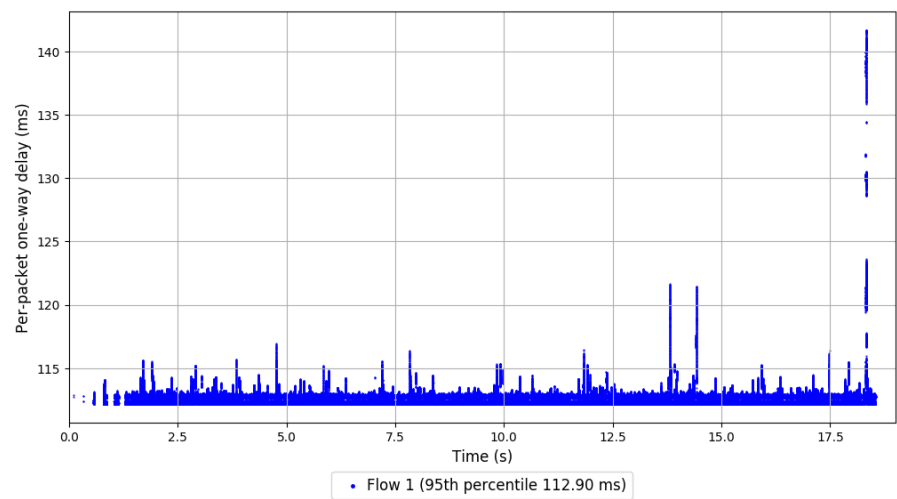
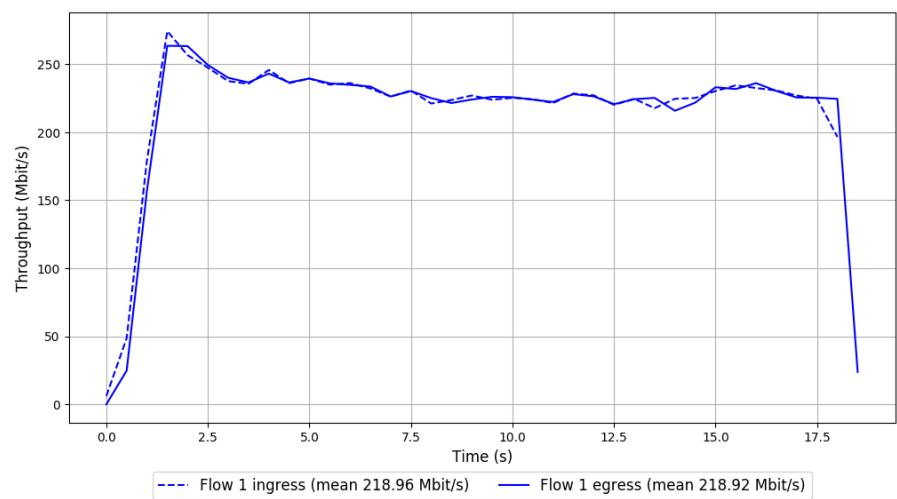


Run 9: Statistics of TaoVA-100x

Start at: Sat, 05 Aug 2017 22:39:08 +0000

End at: Sat, 05 Aug 2017 22:39:38 +0000

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



Run 10: Statistics of TaoVA-100x

Start at: Sat, 05 Aug 2017 22:50:34 +0000

End at: Sat, 05 Aug 2017 22:51:04 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:05:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 109.56 Mbit/s

95th percentile per-packet one-way delay: 112.295 ms

Loss rate: 0.00%

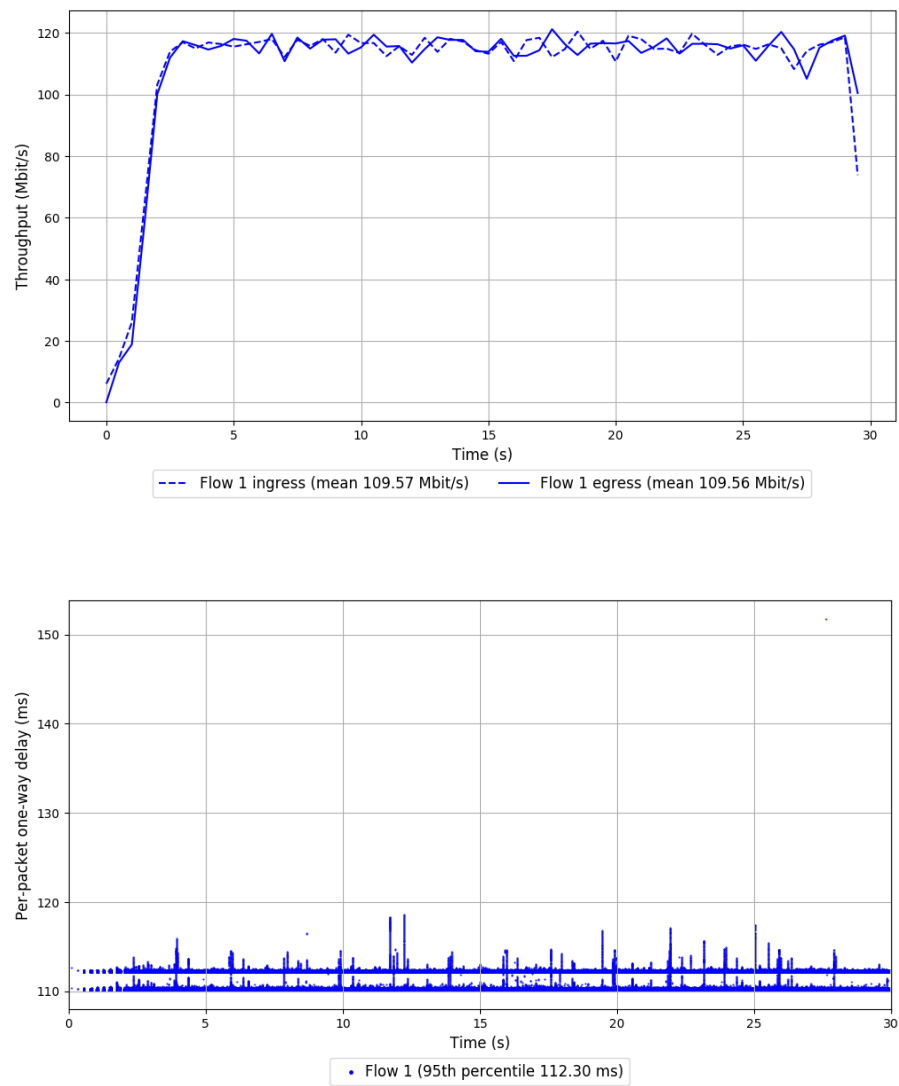
-- Flow 1:

Average throughput: 109.56 Mbit/s

95th percentile per-packet one-way delay: 112.295 ms

Loss rate: 0.00%

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



Run 1: Statistics of TCP Vegas

Start at: Sat, 05 Aug 2017 21:13:15 +0000

End at: Sat, 05 Aug 2017 21:13:45 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:05:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.22 Mbit/s

95th percentile per-packet one-way delay: 114.050 ms

Loss rate: 2.15%

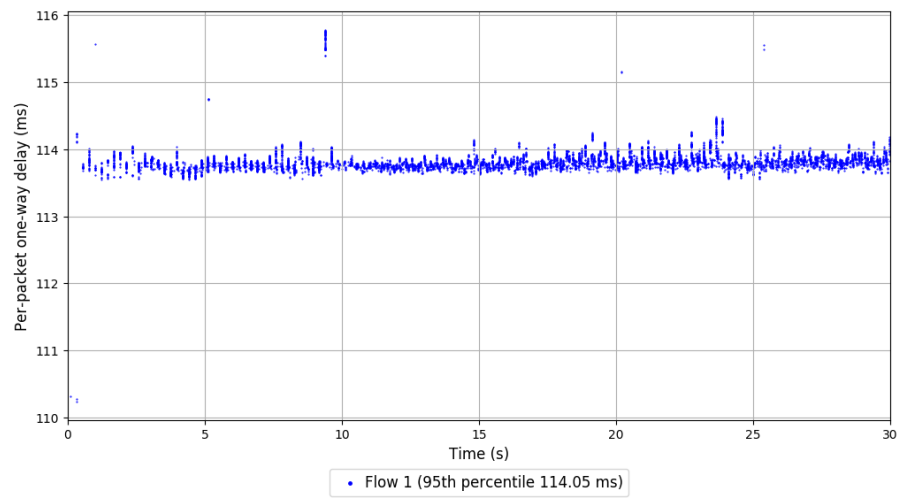
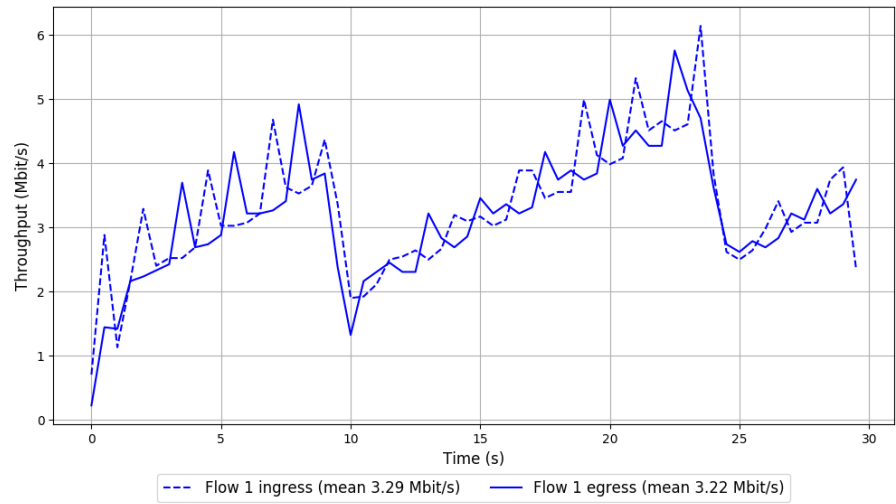
-- Flow 1:

Average throughput: 3.22 Mbit/s

95th percentile per-packet one-way delay: 114.050 ms

Loss rate: 2.15%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Sat, 05 Aug 2017 21:24:43 +0000

End at: Sat, 05 Aug 2017 21:25:13 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:05:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.90 Mbit/s

95th percentile per-packet one-way delay: 114.020 ms

Loss rate: 1.62%

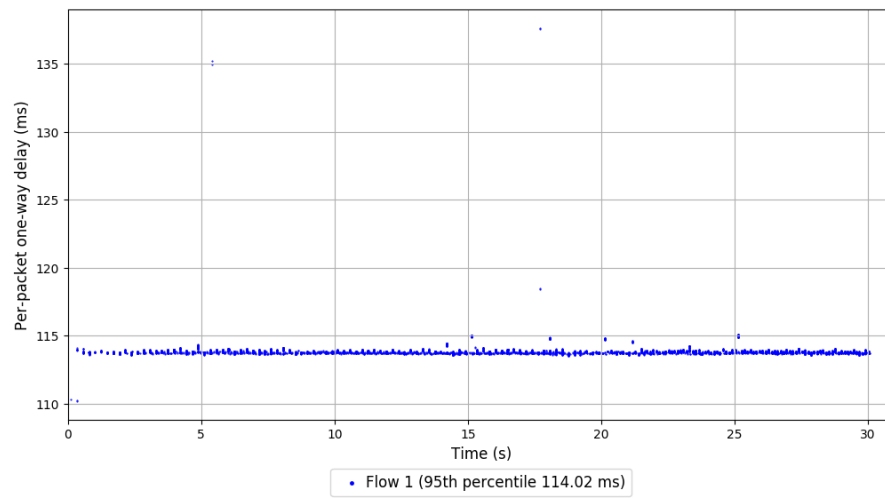
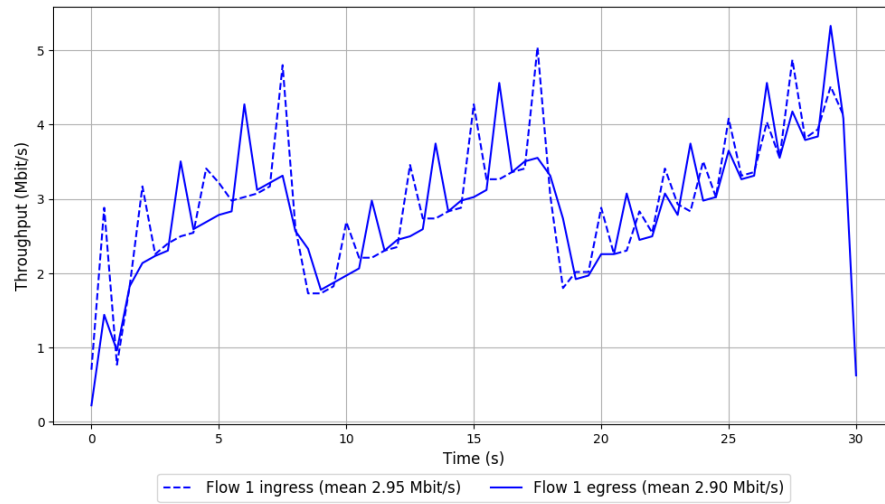
-- Flow 1:

Average throughput: 2.90 Mbit/s

95th percentile per-packet one-way delay: 114.020 ms

Loss rate: 1.62%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Sat, 05 Aug 2017 21:35:50 +0000

End at: Sat, 05 Aug 2017 21:36:20 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:05:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.19 Mbit/s

95th percentile per-packet one-way delay: 114.001 ms

Loss rate: 2.50%

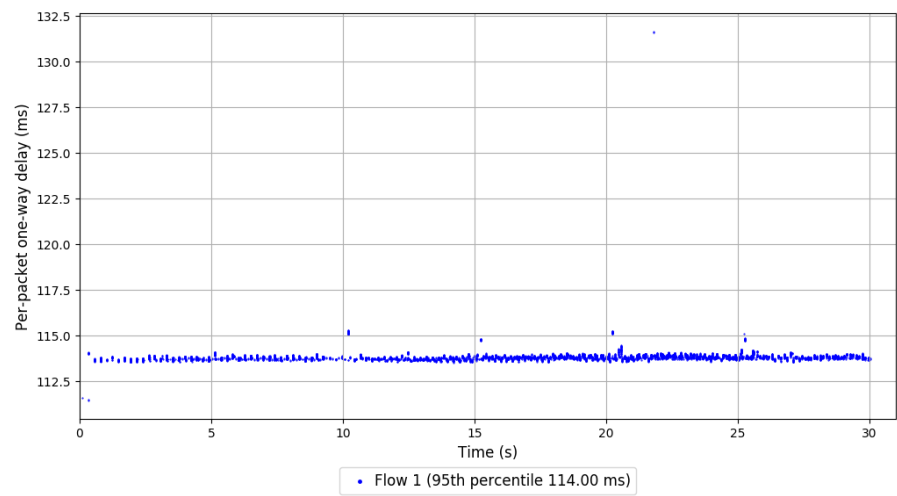
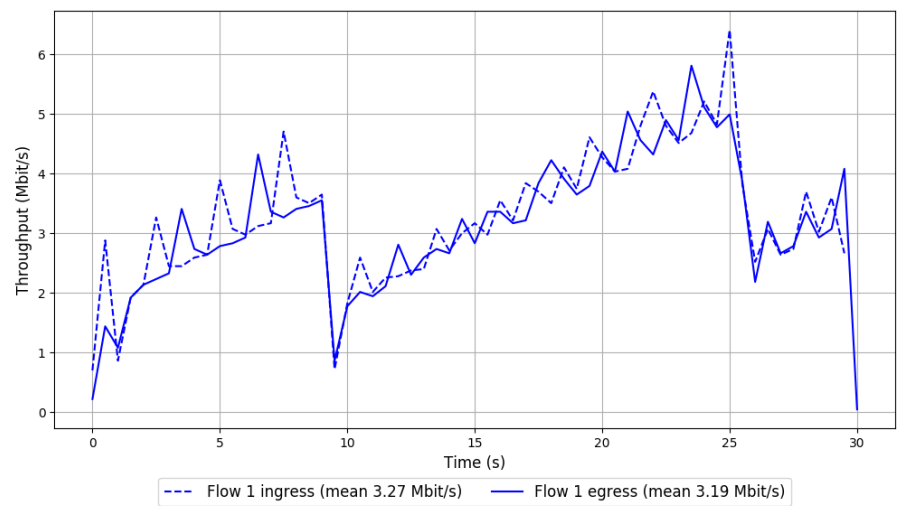
-- Flow 1:

Average throughput: 3.19 Mbit/s

95th percentile per-packet one-way delay: 114.001 ms

Loss rate: 2.50%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Sat, 05 Aug 2017 21:47:18 +0000

End at: Sat, 05 Aug 2017 21:47:48 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:05:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.11 Mbit/s

95th percentile per-packet one-way delay: 113.493 ms

Loss rate: 2.35%

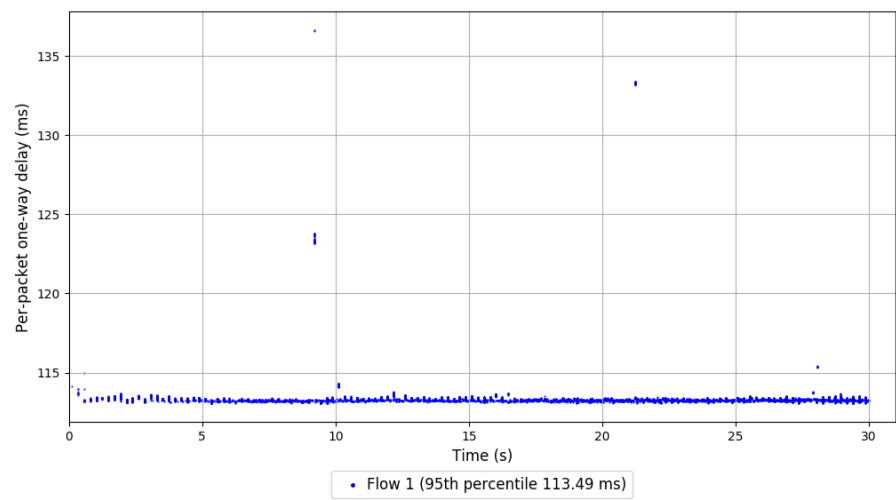
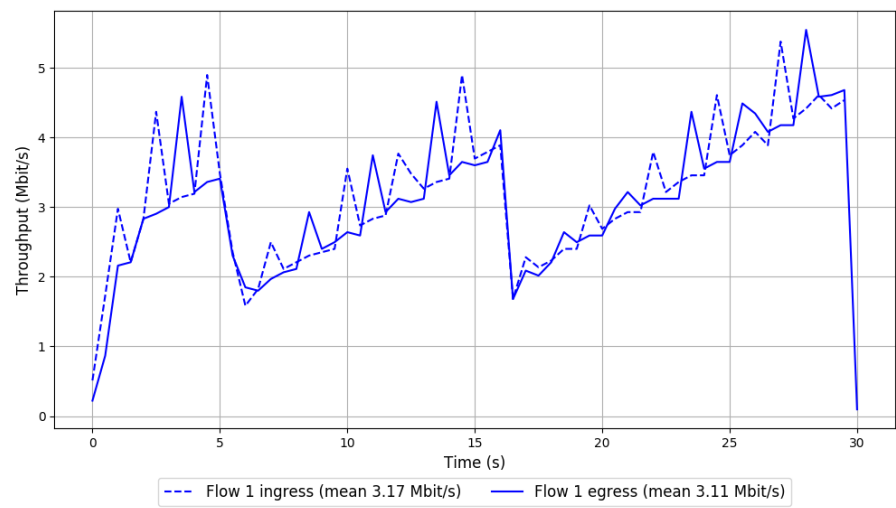
-- Flow 1:

Average throughput: 3.11 Mbit/s

95th percentile per-packet one-way delay: 113.493 ms

Loss rate: 2.35%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Sat, 05 Aug 2017 21:58:49 +0000

End at: Sat, 05 Aug 2017 21:59:19 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:05:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.31 Mbit/s

95th percentile per-packet one-way delay: 113.742 ms

Loss rate: 1.15%

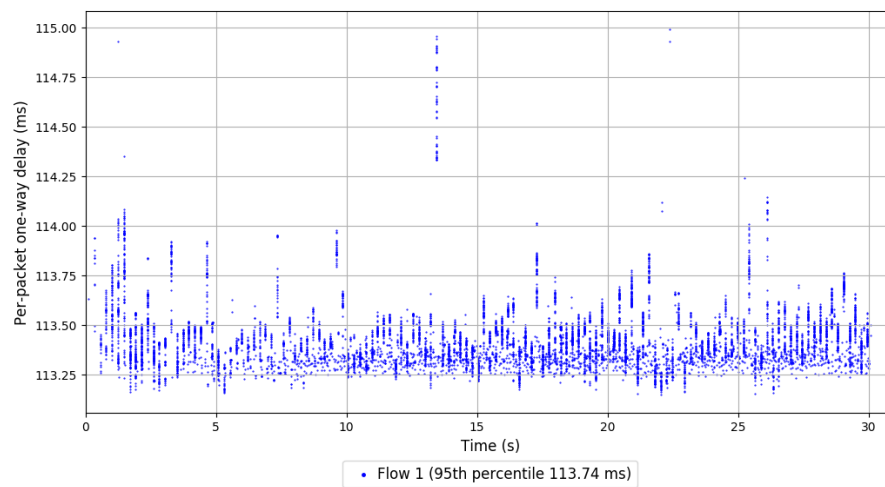
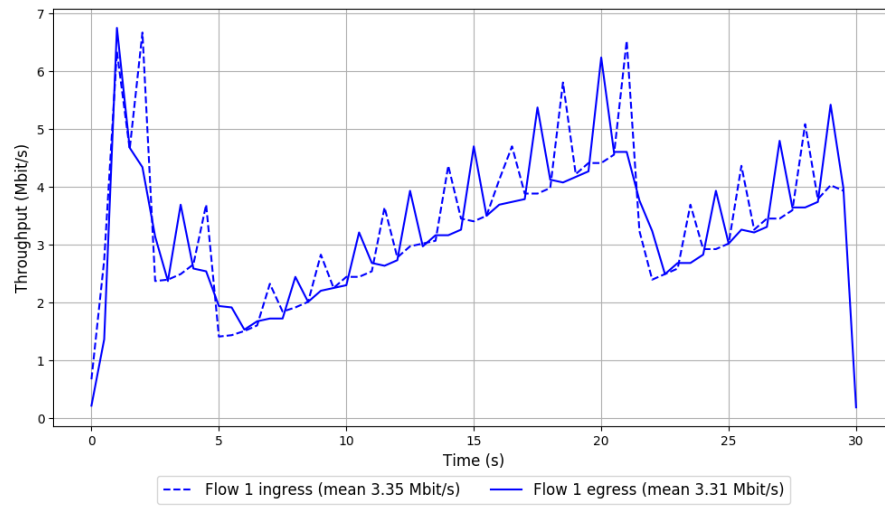
-- Flow 1:

Average throughput: 3.31 Mbit/s

95th percentile per-packet one-way delay: 113.742 ms

Loss rate: 1.15%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Sat, 05 Aug 2017 22:10:00 +0000

End at: Sat, 05 Aug 2017 22:10:30 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:05:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.90 Mbit/s

95th percentile per-packet one-way delay: 113.847 ms

Loss rate: 0.94%

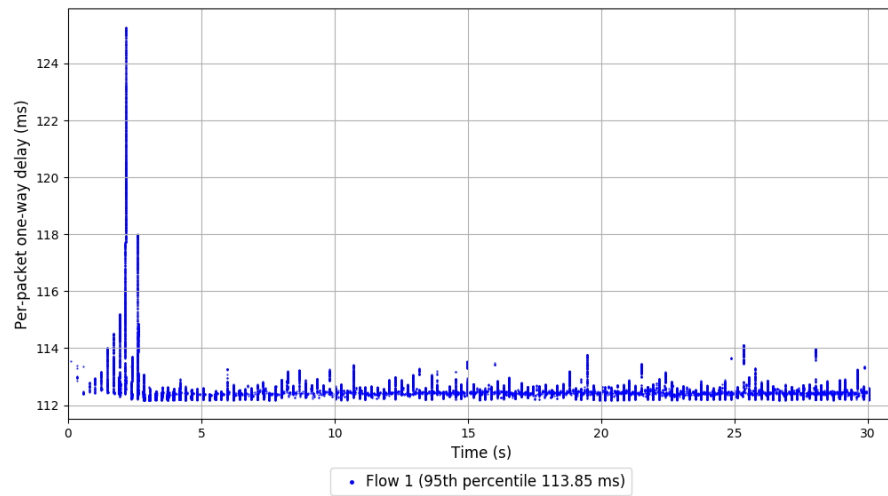
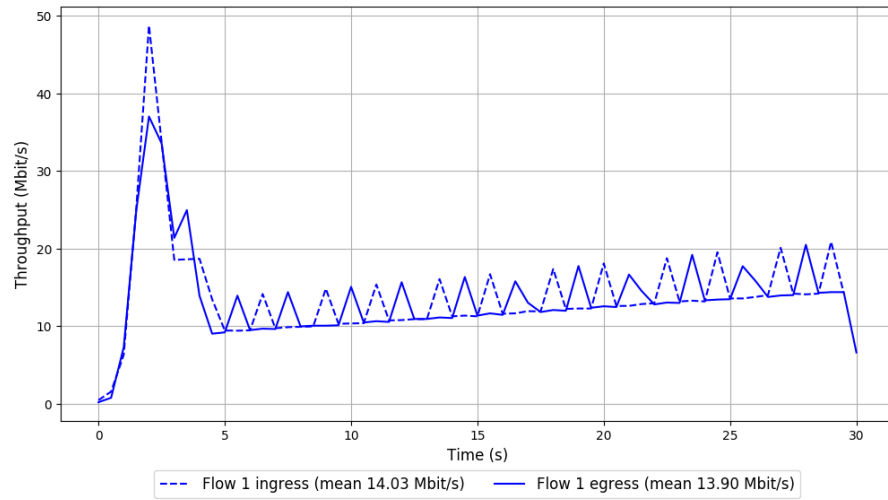
-- Flow 1:

Average throughput: 13.90 Mbit/s

95th percentile per-packet one-way delay: 113.847 ms

Loss rate: 0.94%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Sat, 05 Aug 2017 22:21:20 +0000

End at: Sat, 05 Aug 2017 22:21:50 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:05:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.64 Mbit/s

95th percentile per-packet one-way delay: 115.426 ms

Loss rate: 1.20%

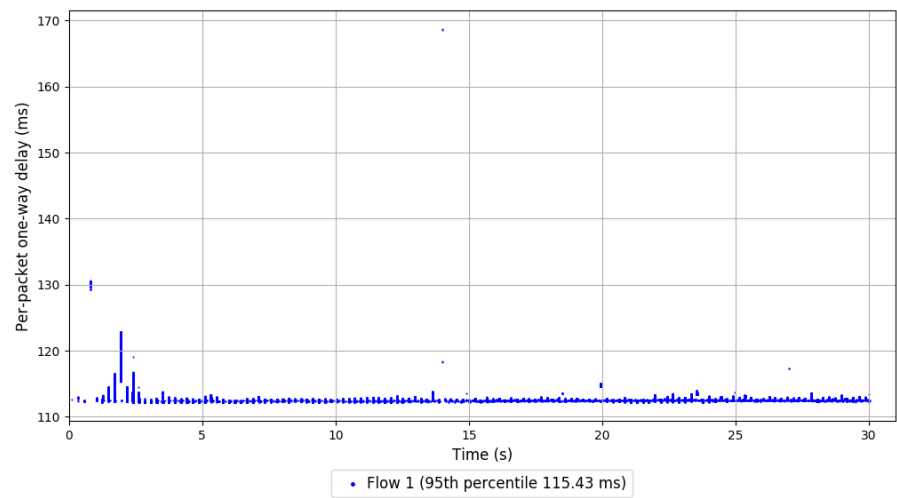
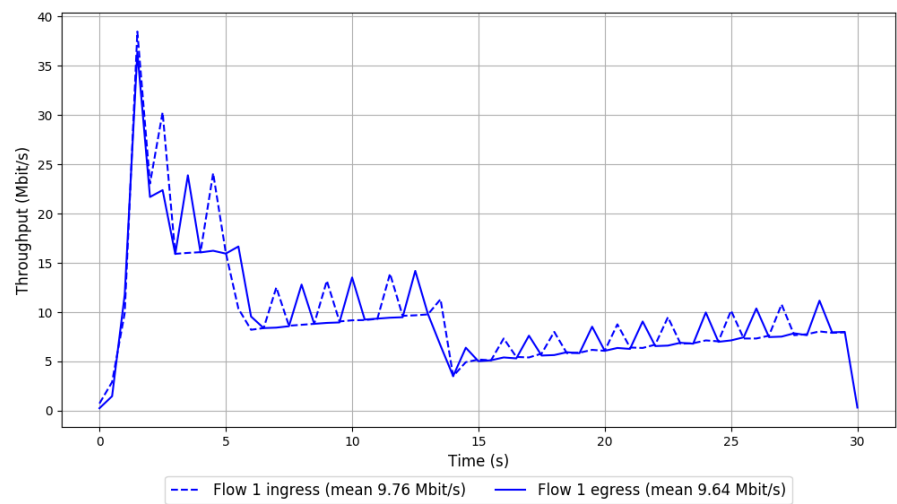
-- Flow 1:

Average throughput: 9.64 Mbit/s

95th percentile per-packet one-way delay: 115.426 ms

Loss rate: 1.20%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Sat, 05 Aug 2017 22:32:46 +0000

End at: Sat, 05 Aug 2017 22:33:16 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:05:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.15 Mbit/s

95th percentile per-packet one-way delay: 113.543 ms

Loss rate: 0.36%

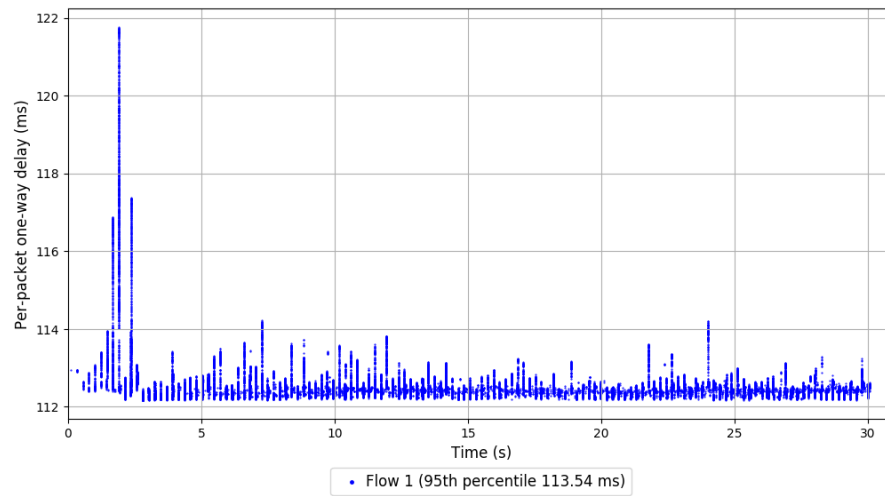
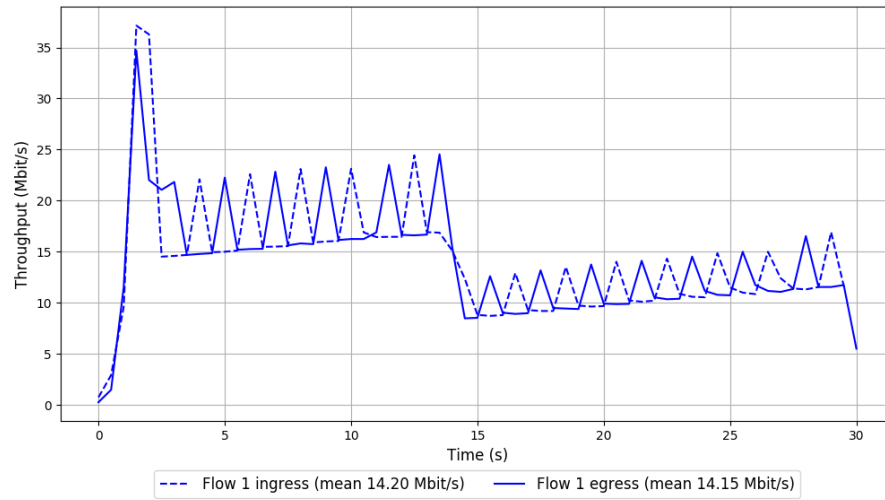
-- Flow 1:

Average throughput: 14.15 Mbit/s

95th percentile per-packet one-way delay: 113.543 ms

Loss rate: 0.36%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Sat, 05 Aug 2017 22:44:17 +0000

End at: Sat, 05 Aug 2017 22:44:47 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:05:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.92 Mbit/s

95th percentile per-packet one-way delay: 113.529 ms

Loss rate: 0.04%

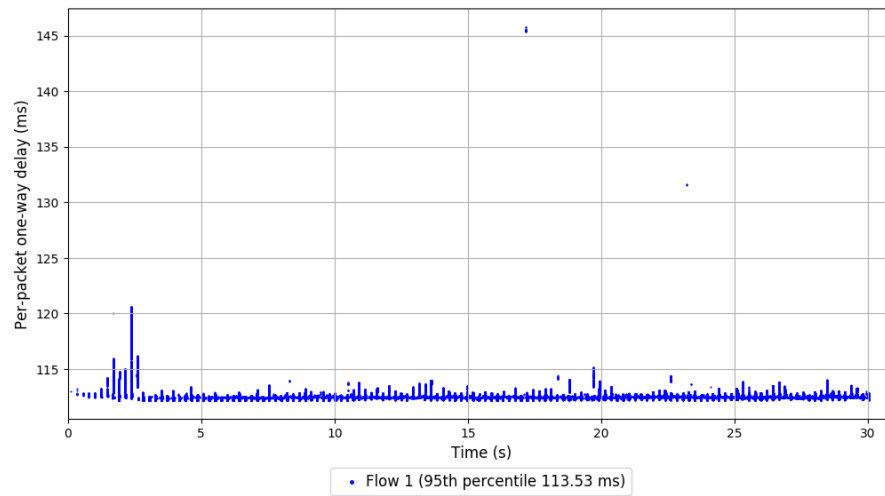
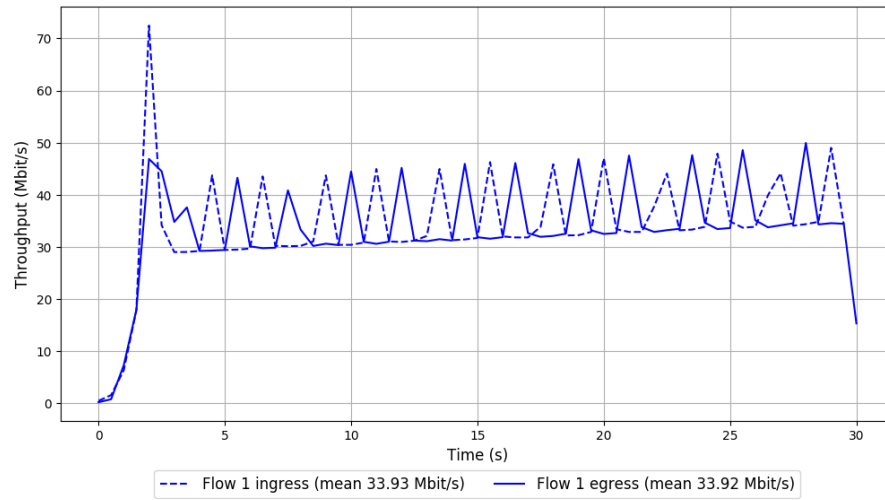
-- Flow 1:

Average throughput: 33.92 Mbit/s

95th percentile per-packet one-way delay: 113.529 ms

Loss rate: 0.04%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Sat, 05 Aug 2017 22:55:29 +0000

End at: Sat, 05 Aug 2017 22:55:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:05:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.98 Mbit/s

95th percentile per-packet one-way delay: 112.843 ms

Loss rate: 0.22%

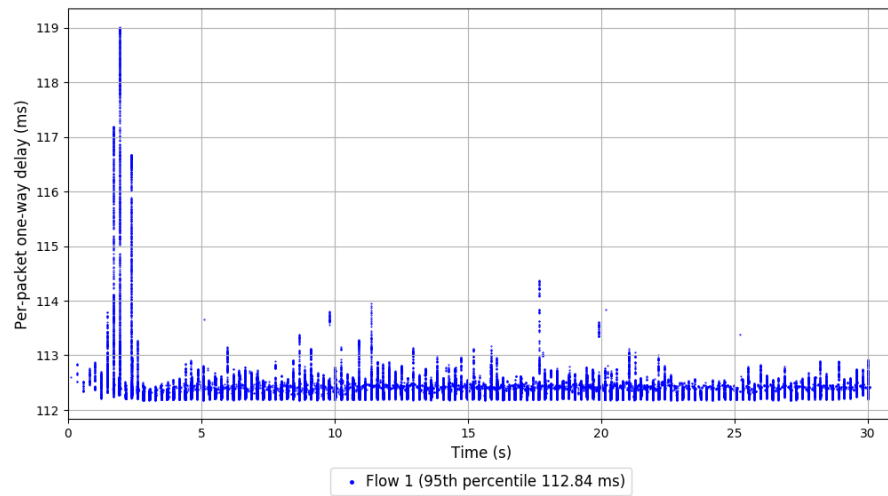
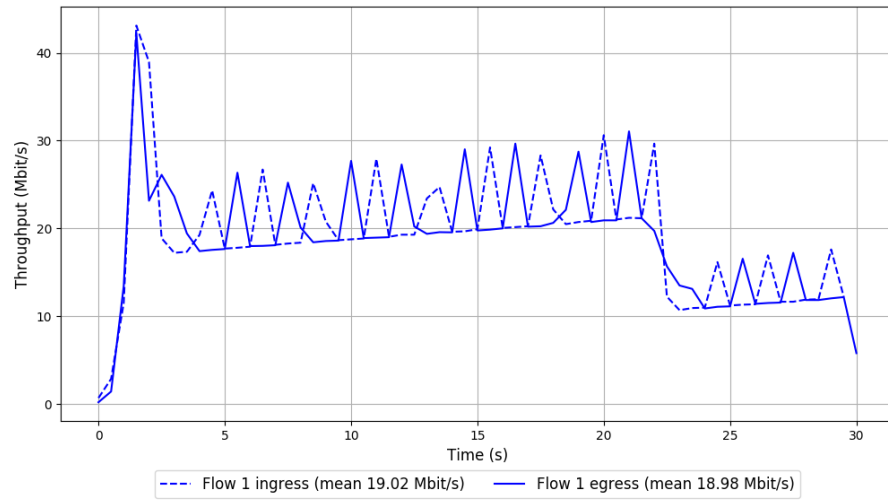
-- Flow 1:

Average throughput: 18.98 Mbit/s

95th percentile per-packet one-way delay: 112.843 ms

Loss rate: 0.22%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Sat, 05 Aug 2017 21:07:44 +0000

End at: Sat, 05 Aug 2017 21:08:14 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:05:41 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.46 Mbit/s

95th percentile per-packet one-way delay: 120.380 ms

Loss rate: 79.00%

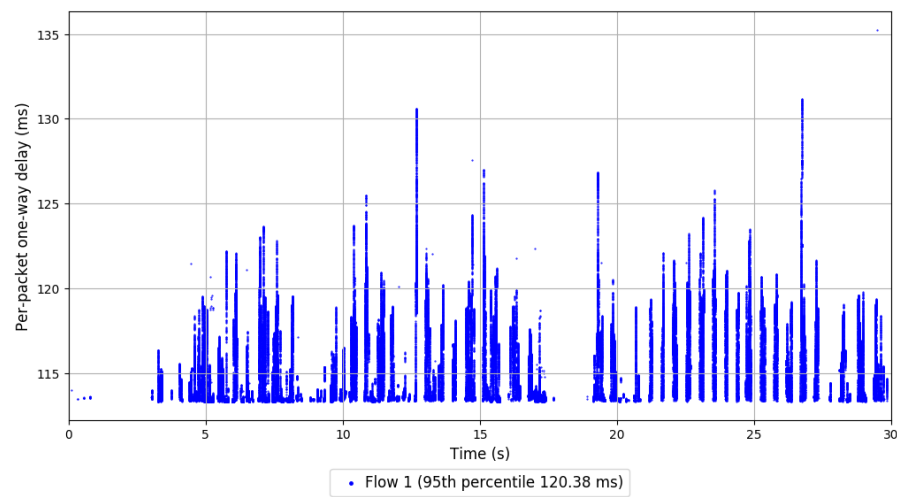
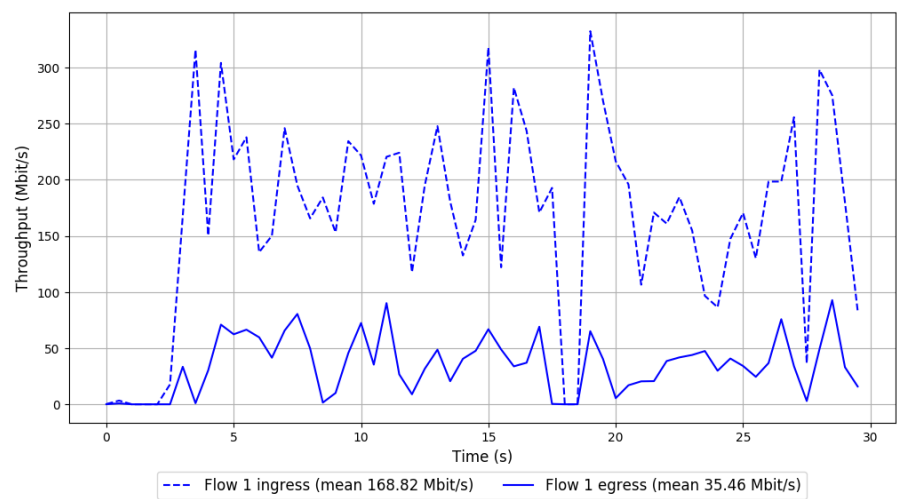
-- Flow 1:

Average throughput: 35.46 Mbit/s

95th percentile per-packet one-way delay: 120.380 ms

Loss rate: 79.00%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sat, 05 Aug 2017 21:18:45 +0000

End at: Sat, 05 Aug 2017 21:19:15 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:05:41 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 17.16 Mbit/s

95th percentile per-packet one-way delay: 119.677 ms

Loss rate: 83.51%

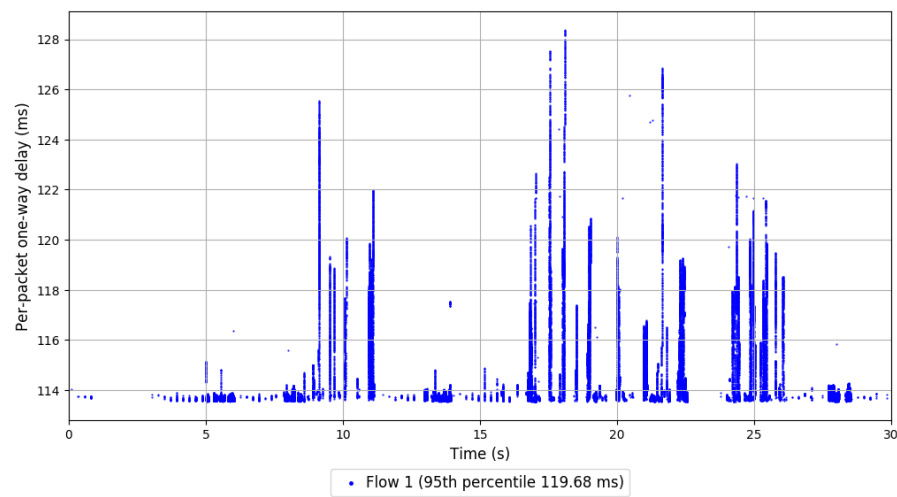
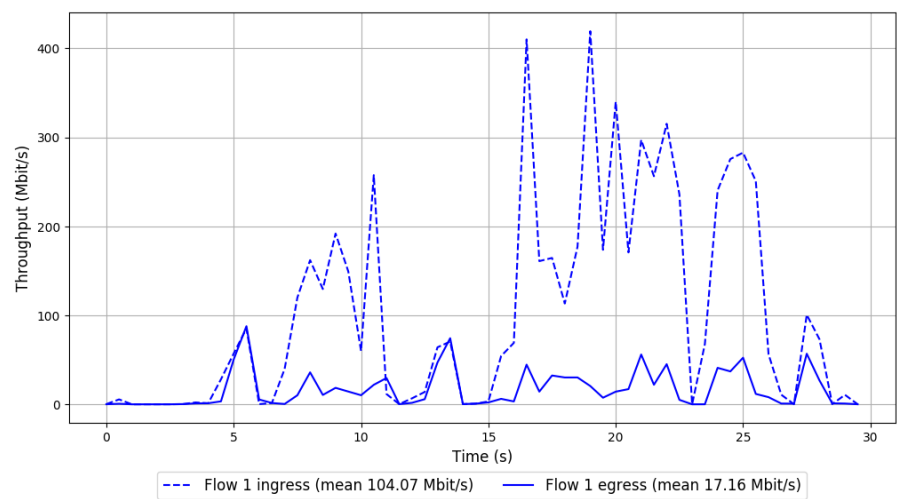
-- Flow 1:

Average throughput: 17.16 Mbit/s

95th percentile per-packet one-way delay: 119.677 ms

Loss rate: 83.51%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sat, 05 Aug 2017 21:30:14 +0000

End at: Sat, 05 Aug 2017 21:30:44 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:05:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.01 Mbit/s

95th percentile per-packet one-way delay: 118.105 ms

Loss rate: 55.89%

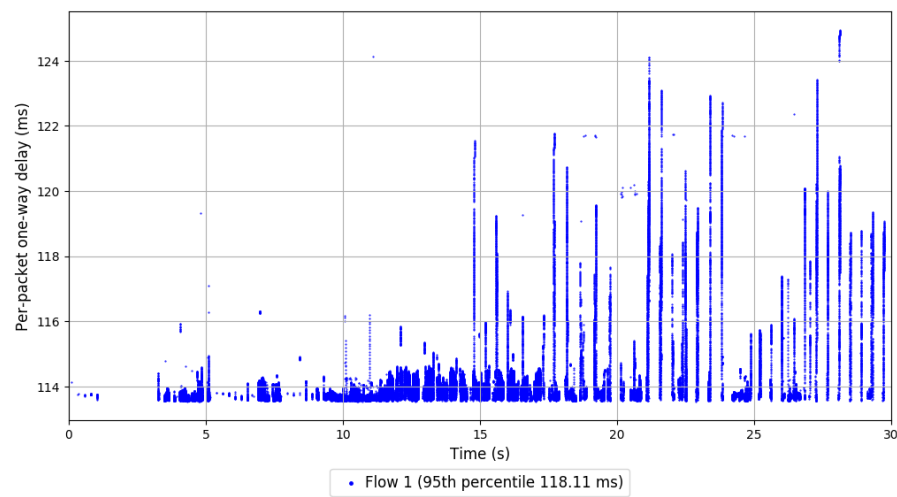
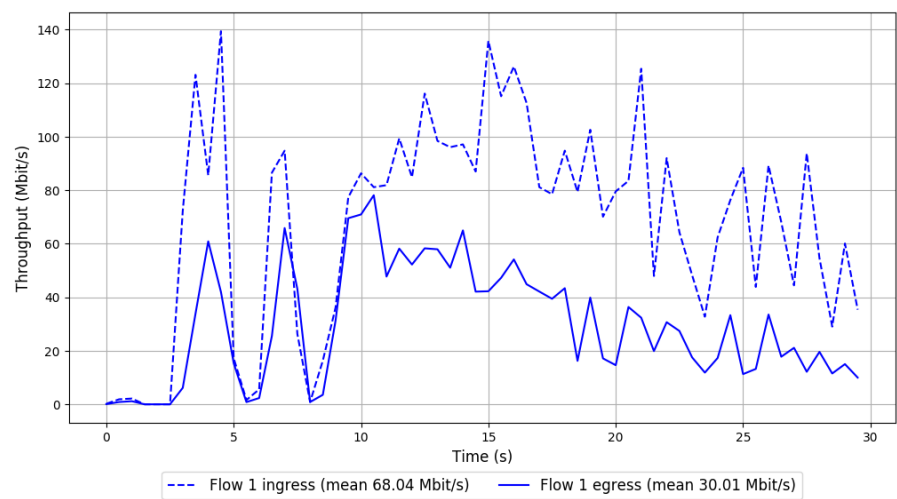
-- Flow 1:

Average throughput: 30.01 Mbit/s

95th percentile per-packet one-way delay: 118.105 ms

Loss rate: 55.89%

Run 3: Report of Verus — Data Link

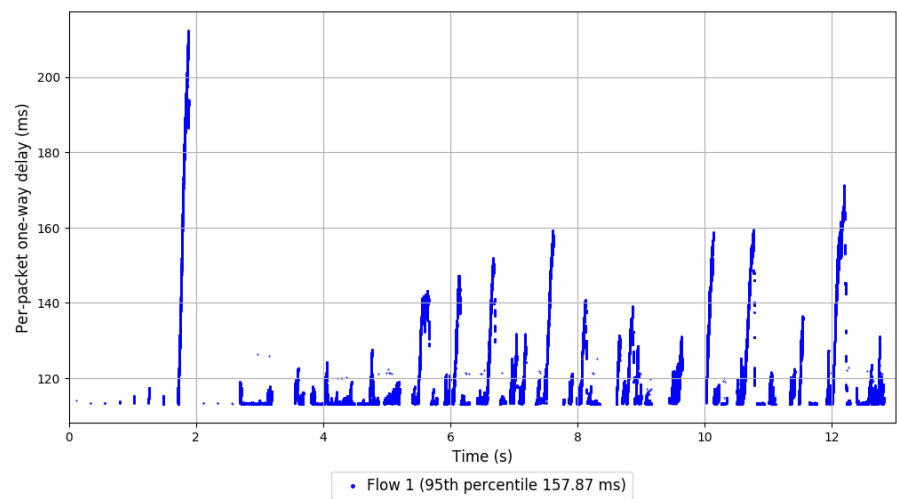
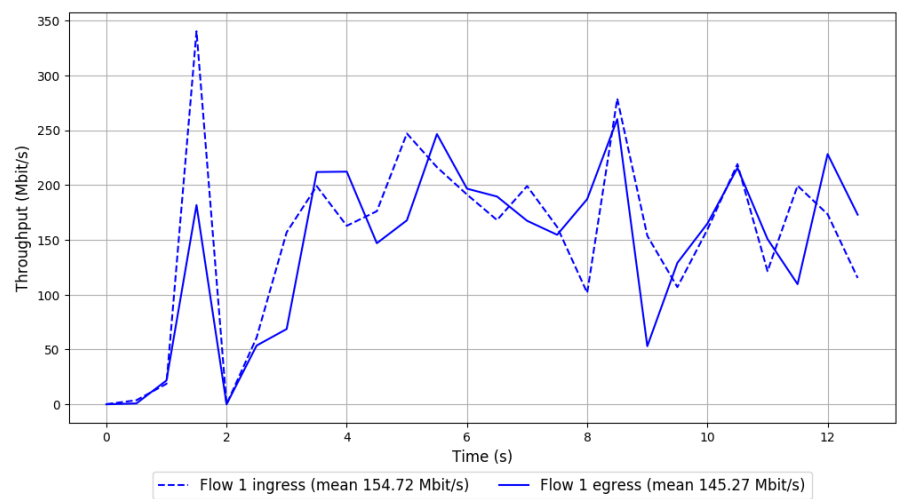


Run 4: Statistics of Verus

Start at: Sat, 05 Aug 2017 21:41:23 +0000

End at: Sat, 05 Aug 2017 21:41:53 +0000

Run 4: Report of Verus — Data Link

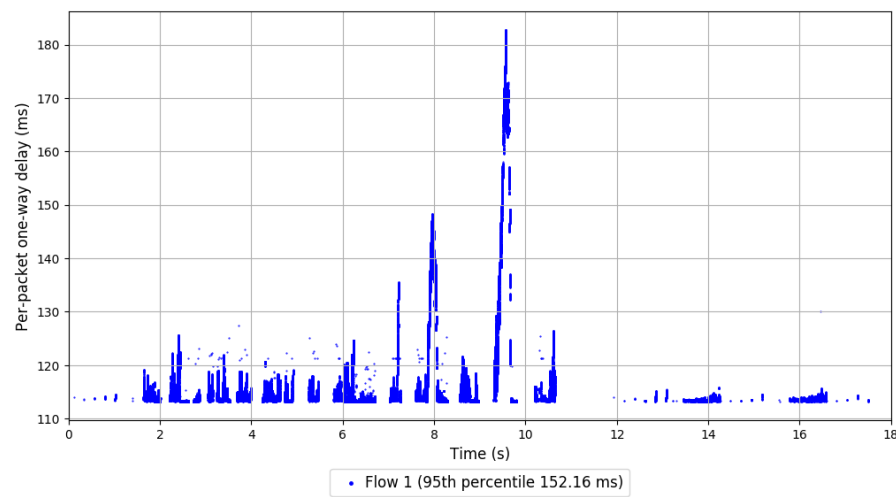
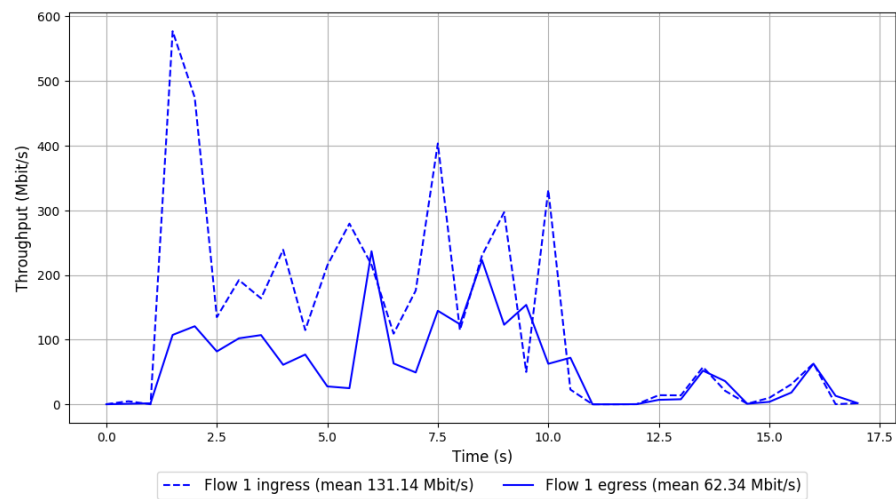


Run 5: Statistics of Verus

Start at: Sat, 05 Aug 2017 21:52:51 +0000

End at: Sat, 05 Aug 2017 21:53:21 +0000

Run 5: Report of Verus — Data Link

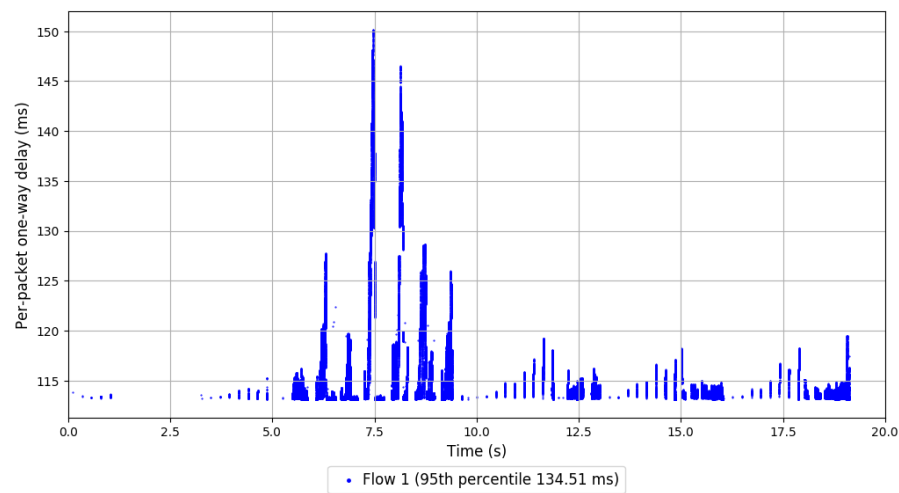
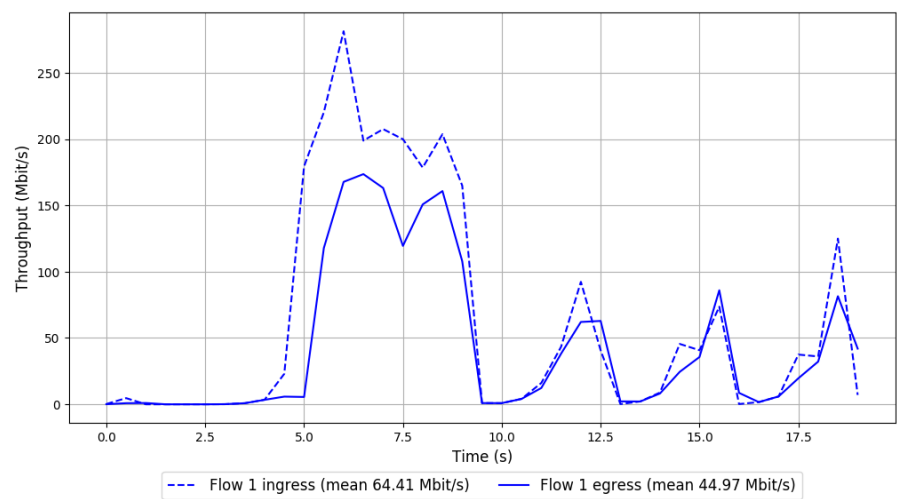


Run 6: Statistics of Verus

Start at: Sat, 05 Aug 2017 22:04:23 +0000

End at: Sat, 05 Aug 2017 22:04:53 +0000

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Sat, 05 Aug 2017 22:15:31 +0000

End at: Sat, 05 Aug 2017 22:16:01 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:06:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.39 Mbit/s

95th percentile per-packet one-way delay: 114.024 ms

Loss rate: 96.80%

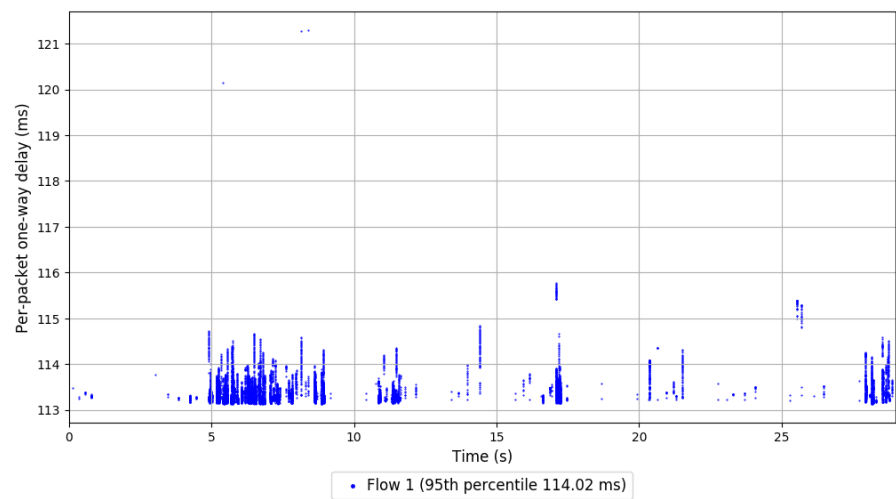
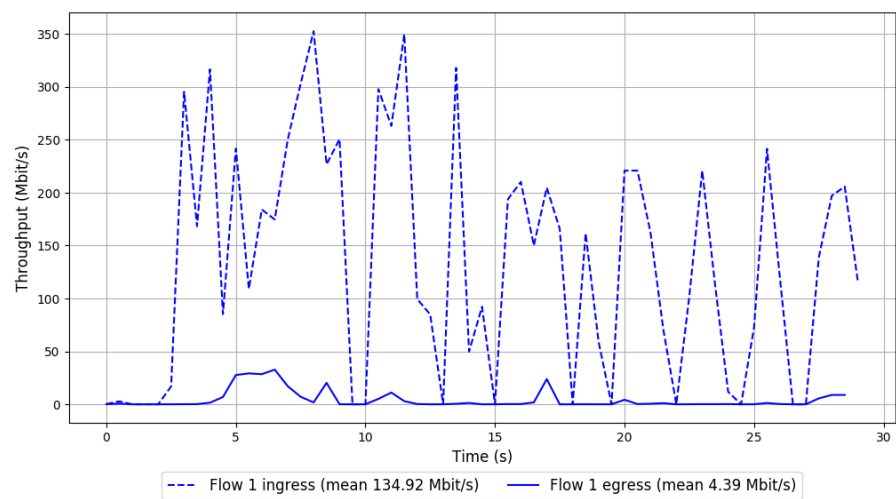
-- Flow 1:

Average throughput: 4.39 Mbit/s

95th percentile per-packet one-way delay: 114.024 ms

Loss rate: 96.80%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Sat, 05 Aug 2017 22:26:52 +0000

End at: Sat, 05 Aug 2017 22:27:22 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:06:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.62 Mbit/s

95th percentile per-packet one-way delay: 119.477 ms

Loss rate: 25.88%

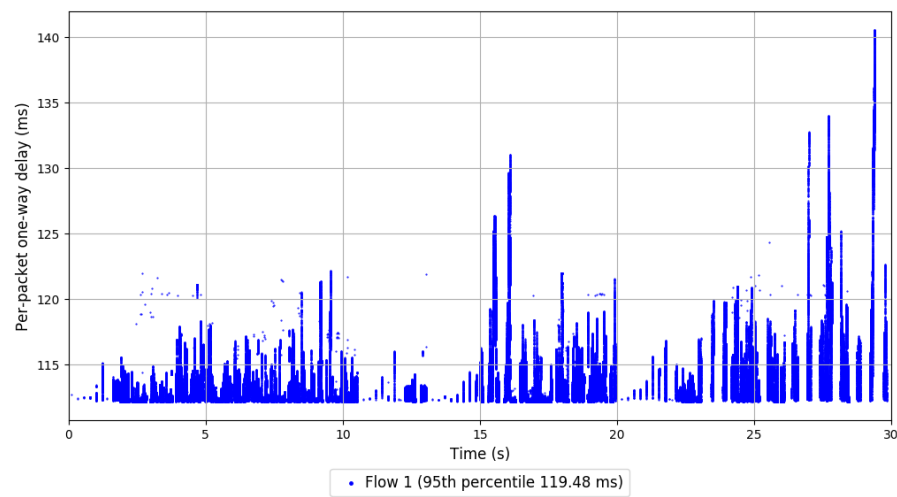
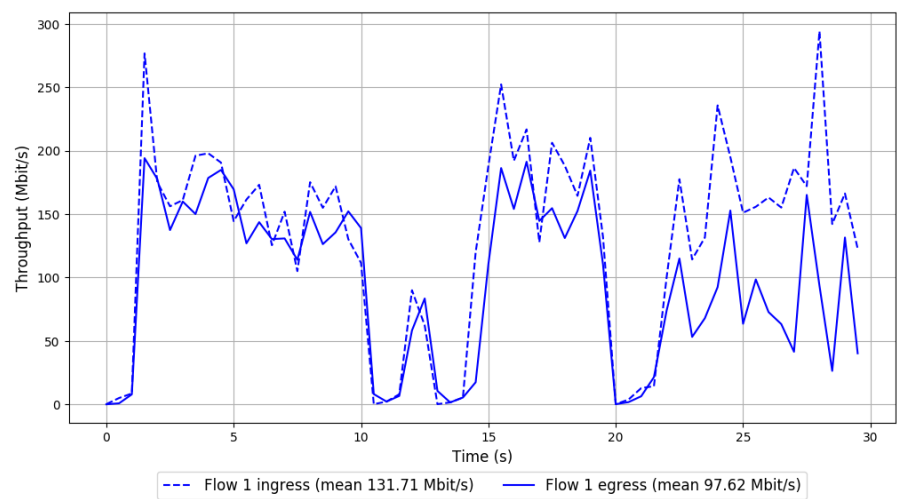
-- Flow 1:

Average throughput: 97.62 Mbit/s

95th percentile per-packet one-way delay: 119.477 ms

Loss rate: 25.88%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Sat, 05 Aug 2017 22:38:24 +0000

End at: Sat, 05 Aug 2017 22:38:54 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:06:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.29 Mbit/s

95th percentile per-packet one-way delay: 119.084 ms

Loss rate: 13.39%

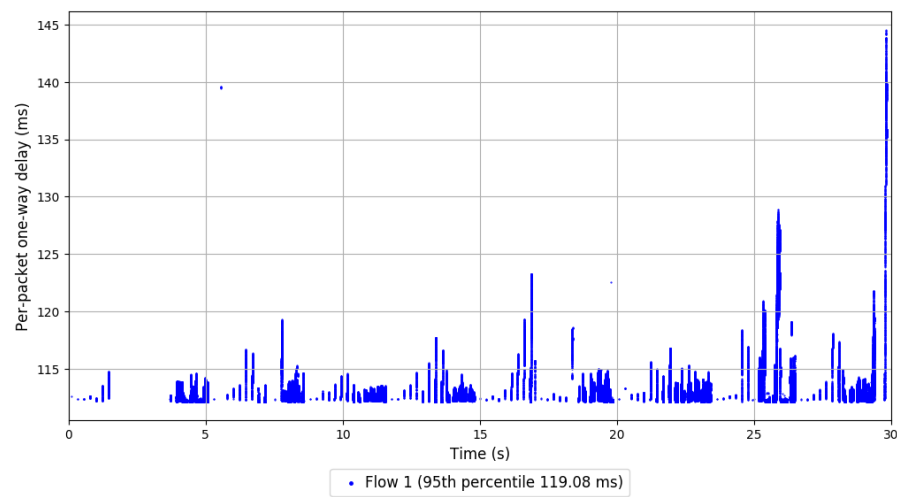
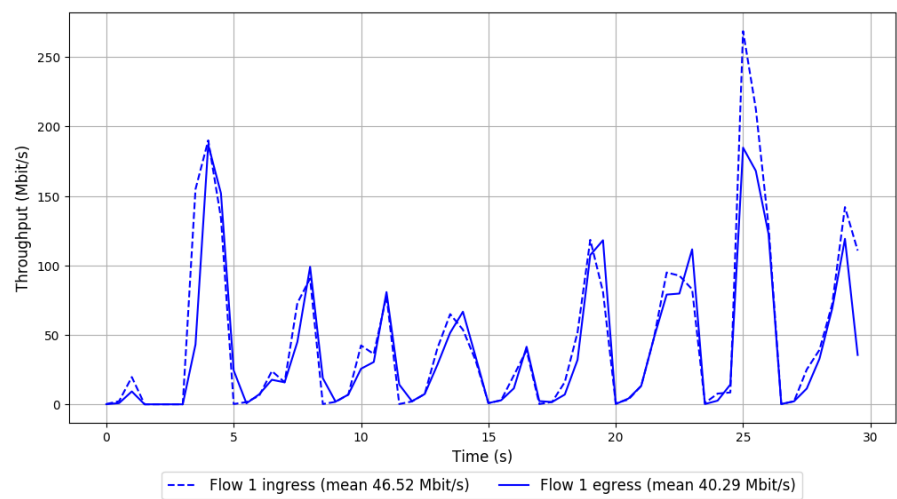
-- Flow 1:

Average throughput: 40.29 Mbit/s

95th percentile per-packet one-way delay: 119.084 ms

Loss rate: 13.39%

Run 9: Report of Verus — Data Link

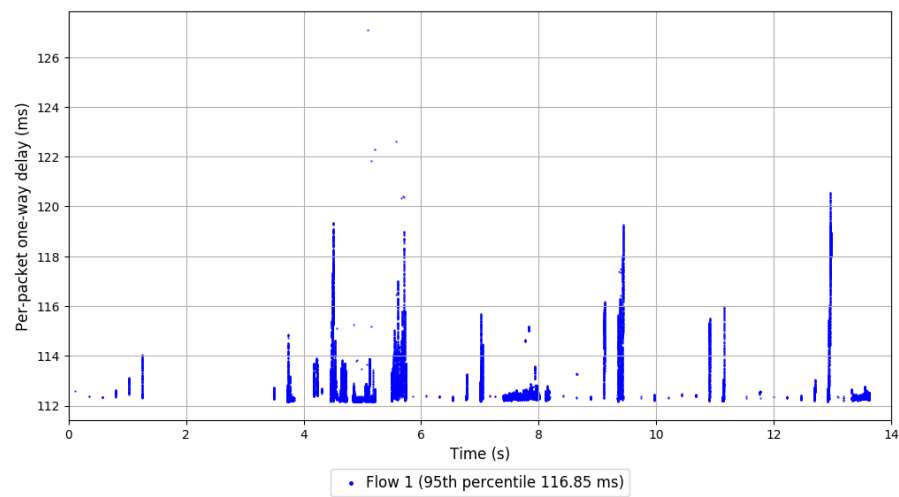
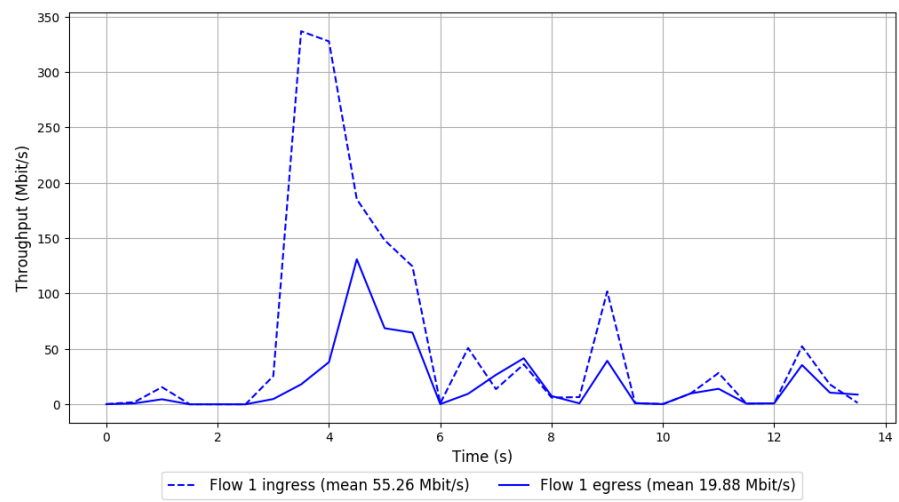


Run 10: Statistics of Verus

Start at: Sat, 05 Aug 2017 22:49:52 +0000

End at: Sat, 05 Aug 2017 22:50:22 +0000

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Sat, 05 Aug 2017 21:06:23 +0000

End at: Sat, 05 Aug 2017 21:06:53 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:06:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 114.115 ms

Loss rate: 0.00%

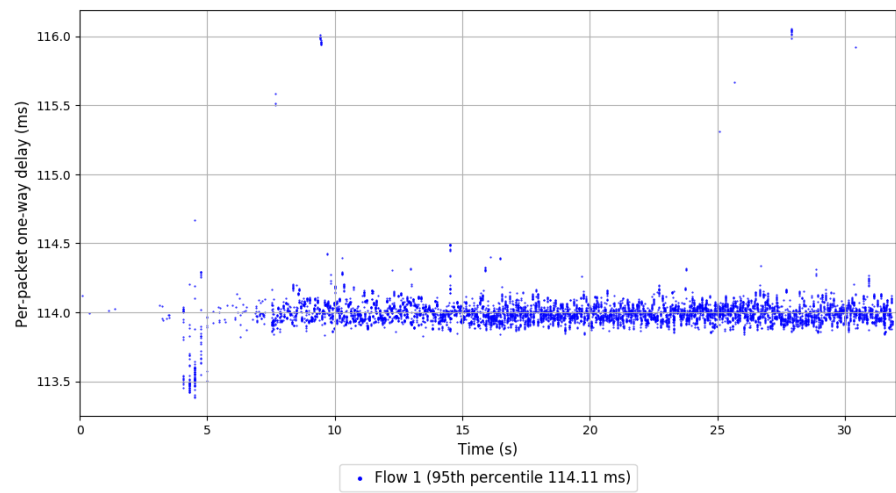
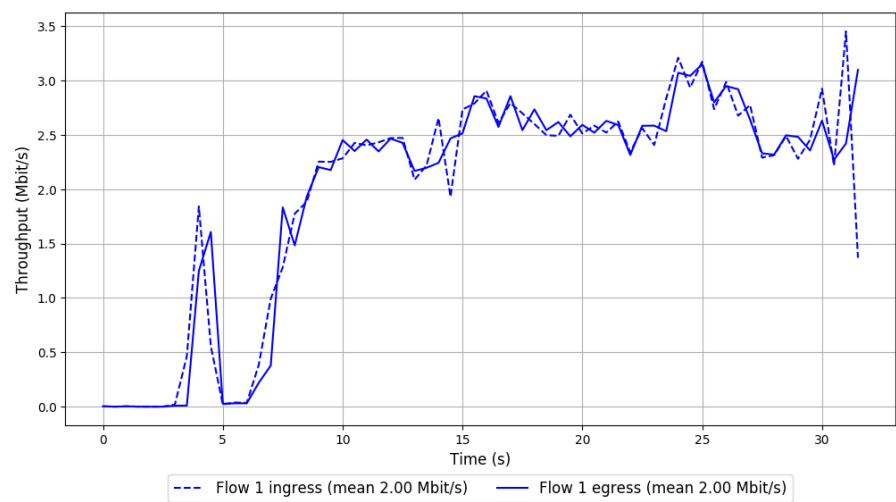
-- Flow 1:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 114.115 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Sat, 05 Aug 2017 21:17:25 +0000

End at: Sat, 05 Aug 2017 21:17:55 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:06:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 114.171 ms

Loss rate: 0.00%

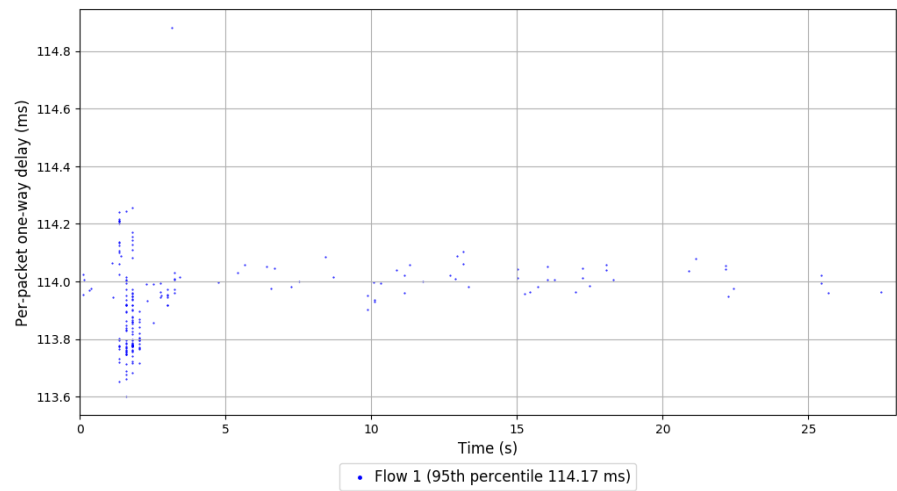
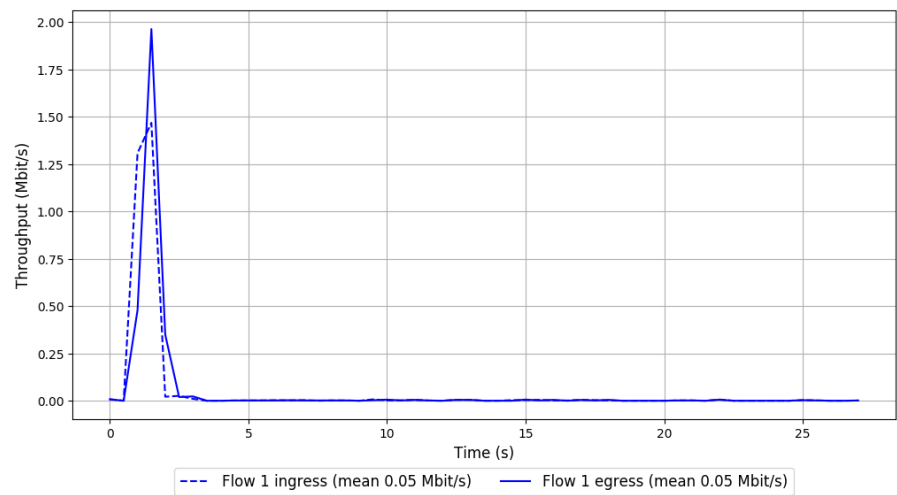
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 114.171 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Sat, 05 Aug 2017 21:28:51 +0000

End at: Sat, 05 Aug 2017 21:29:21 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:06:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 113.228 ms

Loss rate: 0.00%

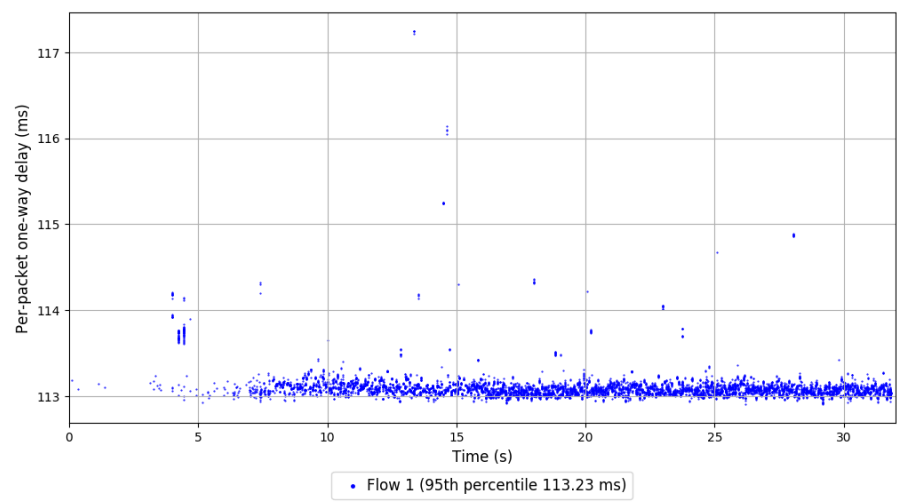
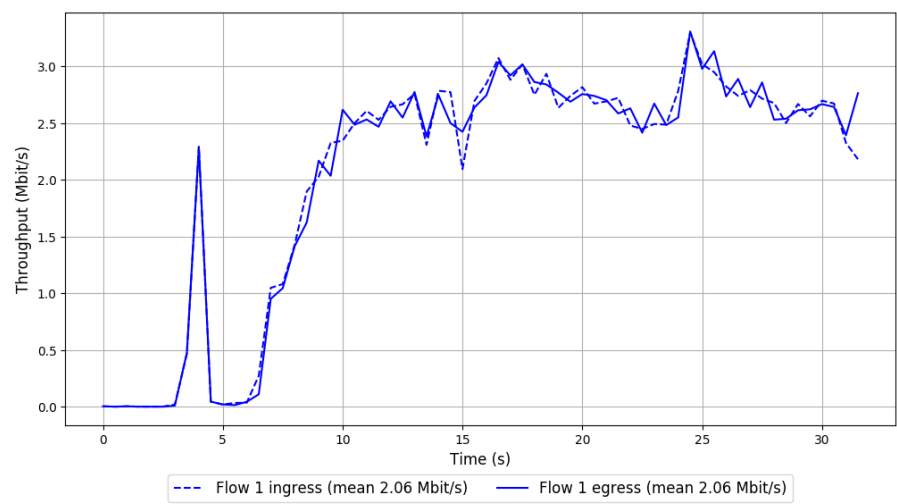
-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 113.228 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Sat, 05 Aug 2017 21:40:01 +0000

End at: Sat, 05 Aug 2017 21:40:31 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:06:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 113.675 ms

Loss rate: 0.00%

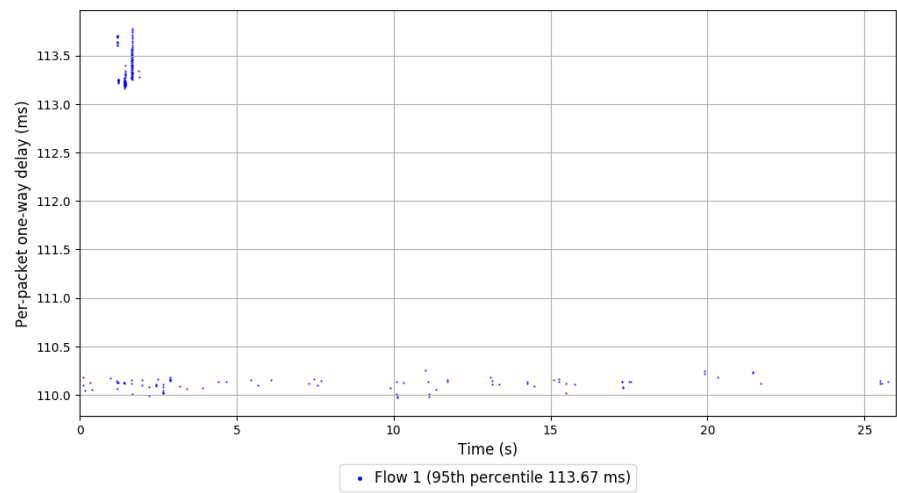
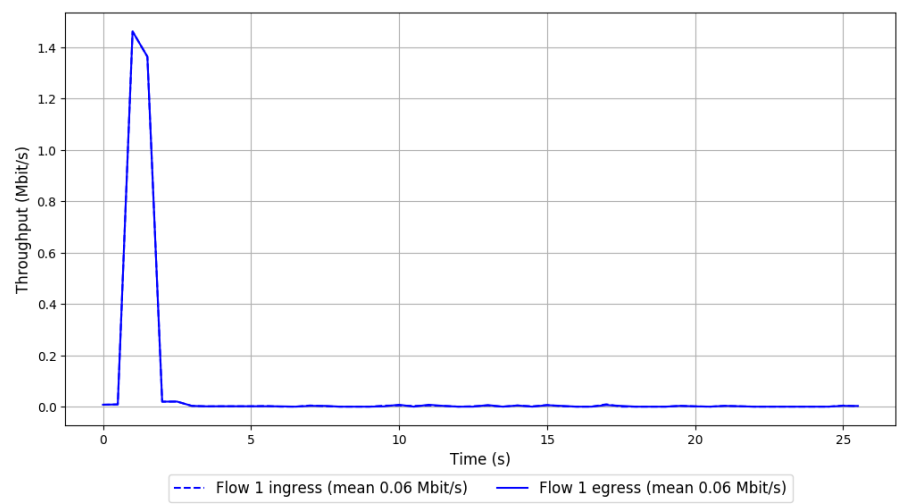
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 113.675 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Sat, 05 Aug 2017 21:51:28 +0000

End at: Sat, 05 Aug 2017 21:51:58 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:06:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 113.984 ms

Loss rate: 0.00%

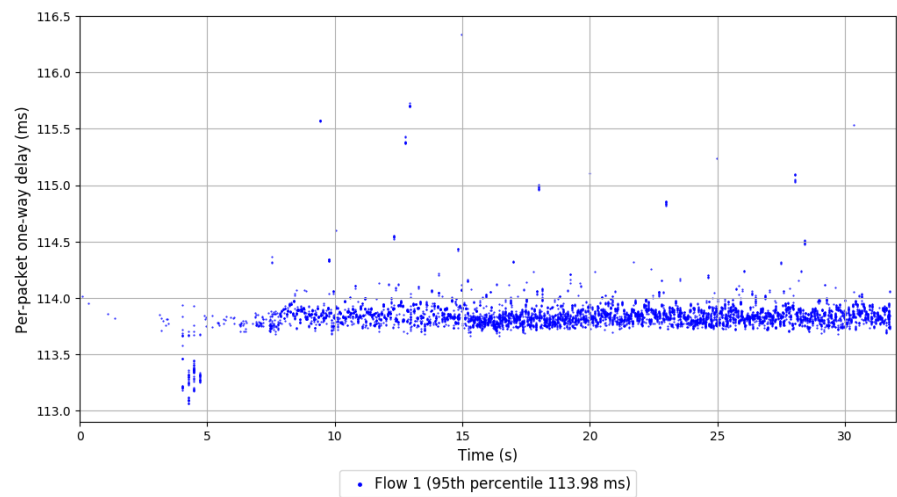
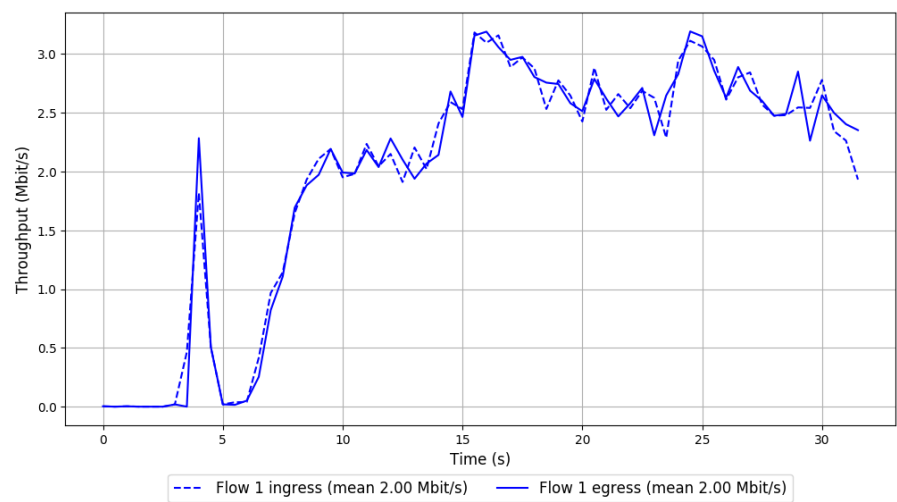
-- Flow 1:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 113.984 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Sat, 05 Aug 2017 22:03:00 +0000

End at: Sat, 05 Aug 2017 22:03:30 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:06:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 112.366 ms

Loss rate: 0.00%

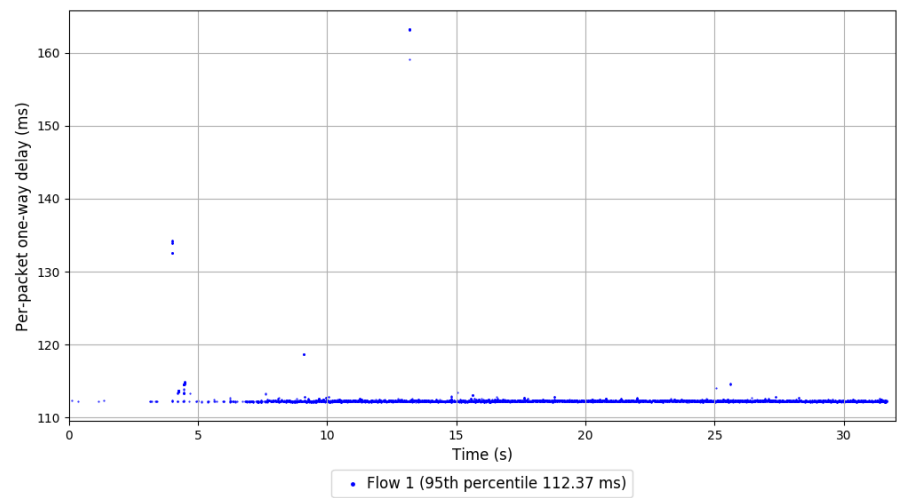
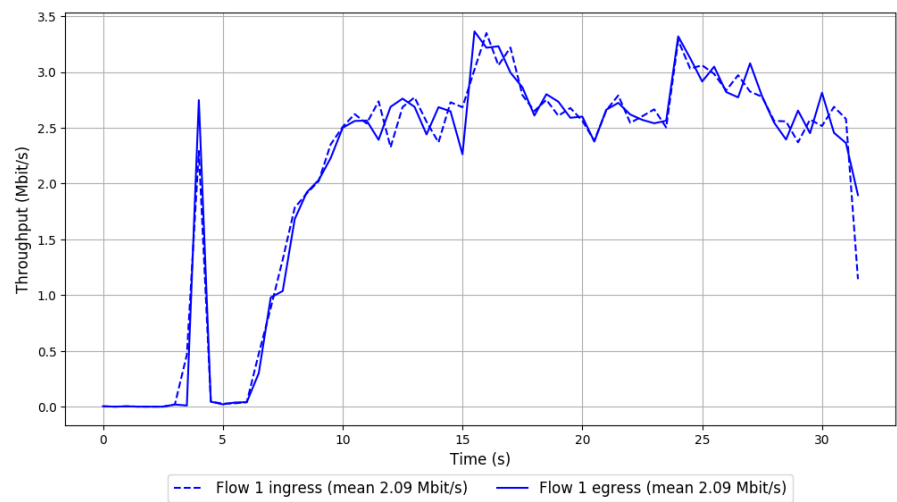
-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 112.366 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Sat, 05 Aug 2017 22:14:10 +0000

End at: Sat, 05 Aug 2017 22:14:40 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:06:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.956 ms

Loss rate: 0.00%

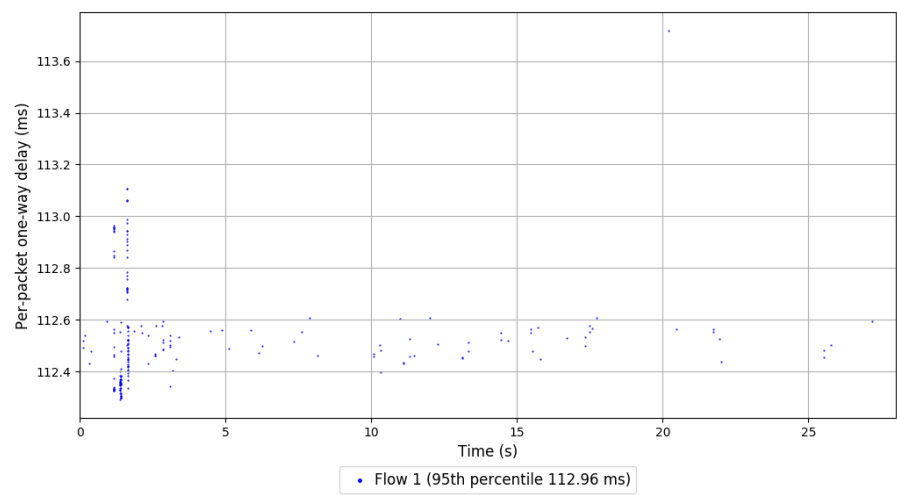
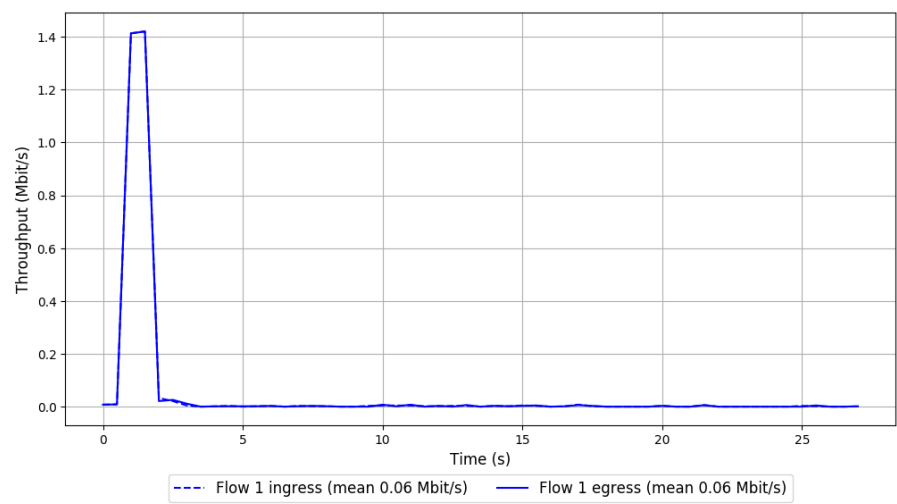
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.956 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Sat, 05 Aug 2017 22:25:30 +0000

End at: Sat, 05 Aug 2017 22:26:00 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:06:29 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 112.739 ms

Loss rate: 0.00%

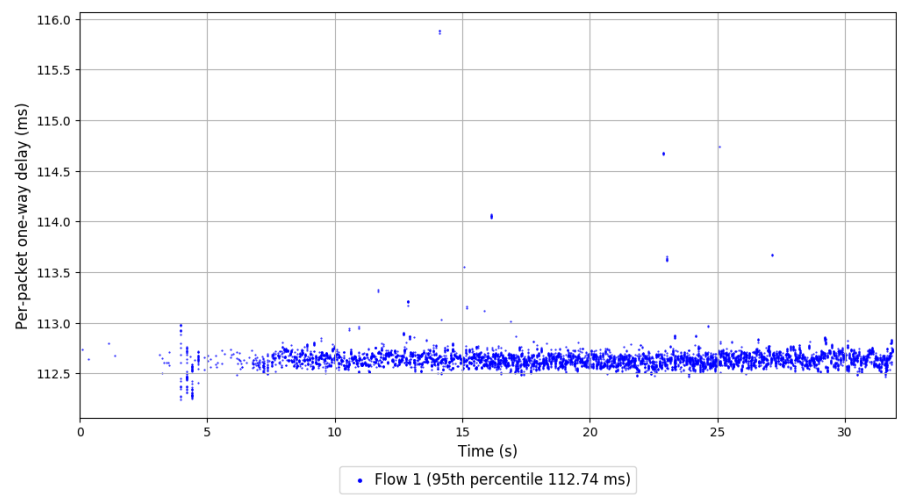
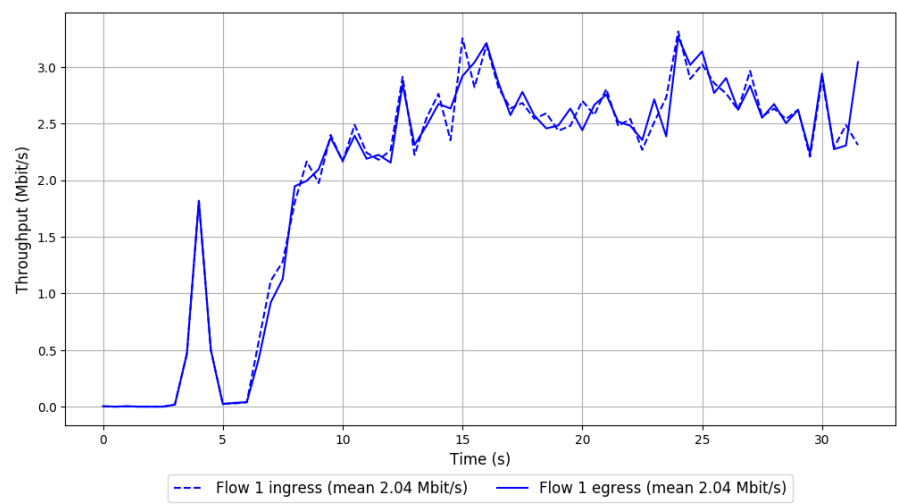
-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 112.739 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Sat, 05 Aug 2017 22:37:01 +0000

End at: Sat, 05 Aug 2017 22:37:31 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:06:29 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 112.728 ms

Loss rate: 0.00%

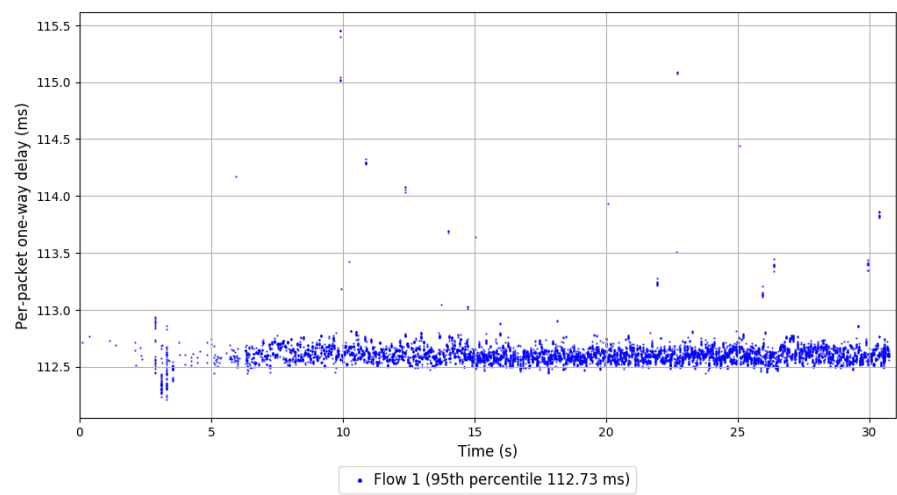
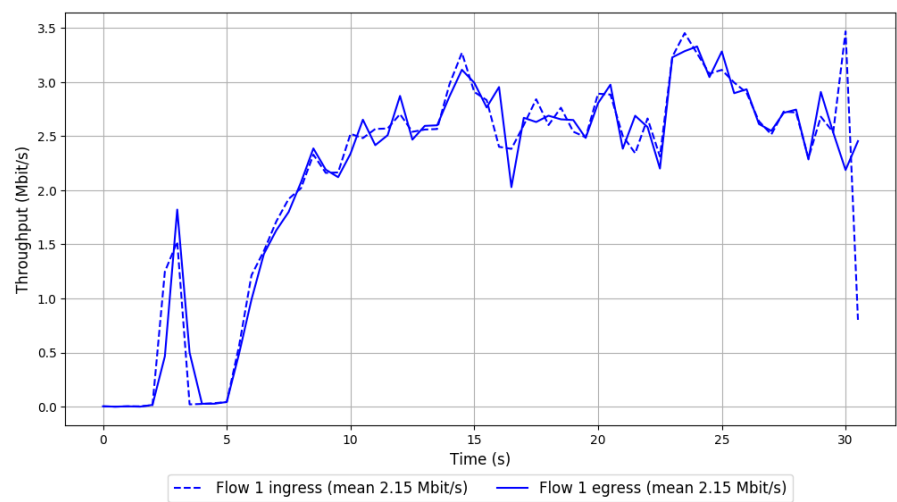
-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 112.728 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Sat, 05 Aug 2017 22:48:31 +0000

End at: Sat, 05 Aug 2017 22:49:01 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 00:06:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.824 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 112.824 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

