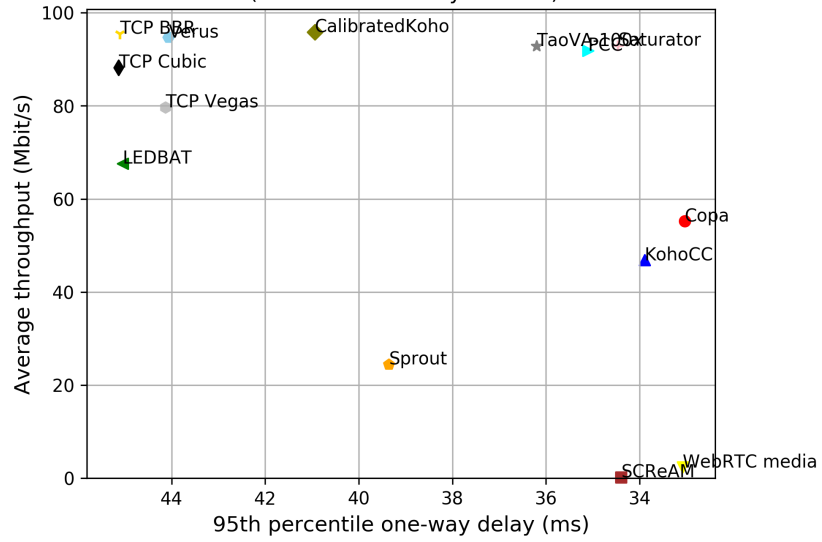


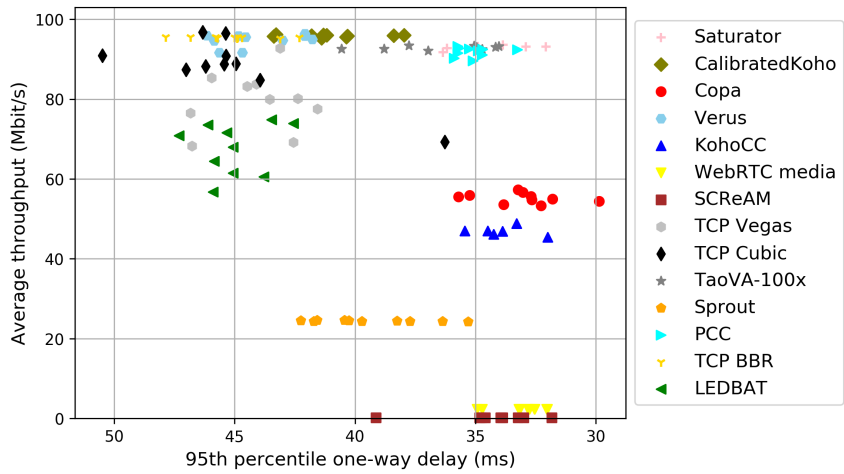
Pantheon Summary (Generated at Mon, 17 Jul 2017 01:48:16 +0000 with pantheon version d7b3554d9e52d3442ab19bc1e1c71f4629d4a0ac)
Repeated the test of 15 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Data path: India Ethernet (*remote*) → AWS India 1 Ethernet (*local*).
NTP offset measured against nets.org.sg and has been applied to correct the timestamps in logs.

```
git branch: master @ d7b3554d9e52d3442ab19bc1e1c71f4629d4a0ac
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 India Ethernet to AWS India 1 Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	95.45	45.11	0.32
CalibratedKoho	10	95.87	40.94	0.30
Copa	10	55.21	33.04	0.21
TCP Cubic	10	88.24	45.14	0.29
KohoCC	10	46.89	33.89	0.17
LEDBAT	10	67.60	45.05	0.22
PCC	10	91.81	35.10	0.30
QUIC Cubic	10	nan	nan	nan
Saturator	10	92.90	34.46	0.24
SCReAM	10	0.21	34.40	0.16
Sprout	10	24.45	39.36	0.08
TaoVA-100x	10	92.82	36.20	0.33
TCP Vegas	10	79.67	44.13	0.25
Verus	10	94.73	44.07	0.33
WebRTC media	10	2.36	33.08	0.14

Run 1: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 22:11:08 +0000

End at: Sun, 16 Jul 2017 22:11:38 +0000

Local clock offset: 1.455 ms

Remote clock offset: -13.892 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:36:29 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 44.901 ms

Loss rate: 0.51%

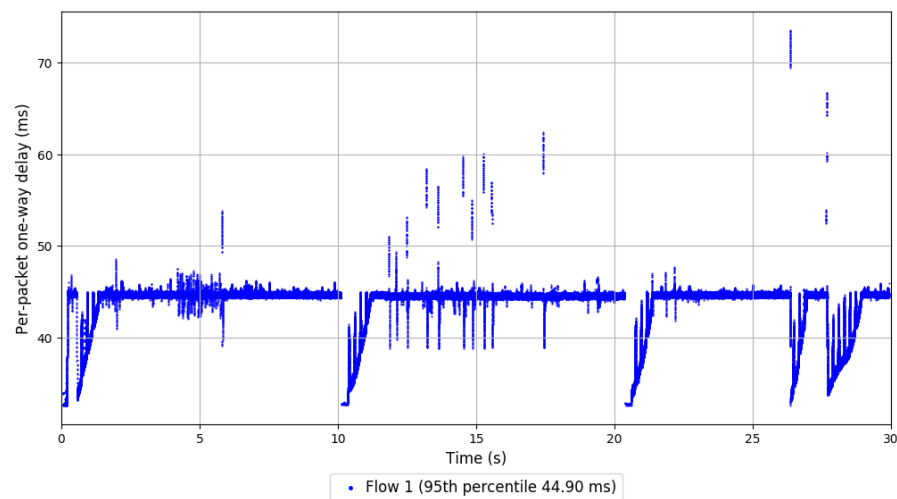
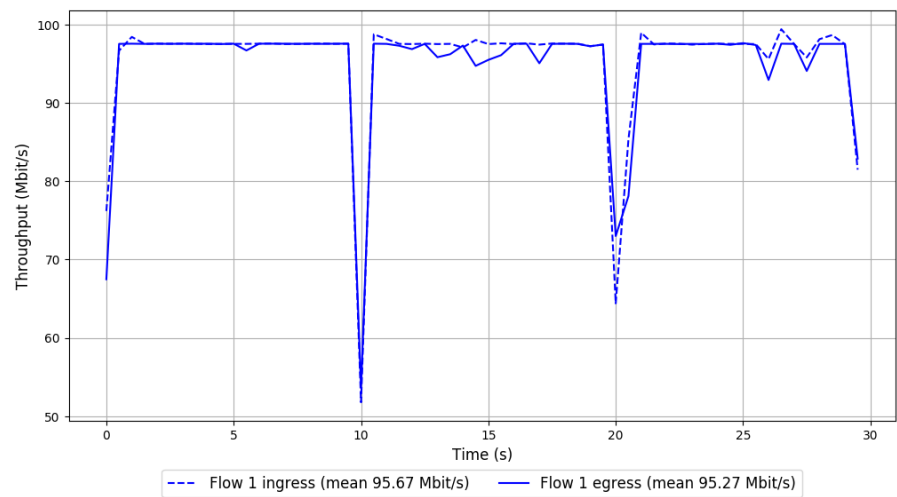
-- Flow 1:

Average throughput: 95.27 Mbit/s

95th percentile per-packet one-way delay: 44.901 ms

Loss rate: 0.51%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 22:28:43 +0000

End at: Sun, 16 Jul 2017 22:29:13 +0000

Local clock offset: 0.29 ms

Remote clock offset: -11.974 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:36:29 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.50 Mbit/s

95th percentile per-packet one-way delay: 42.315 ms

Loss rate: 0.27%

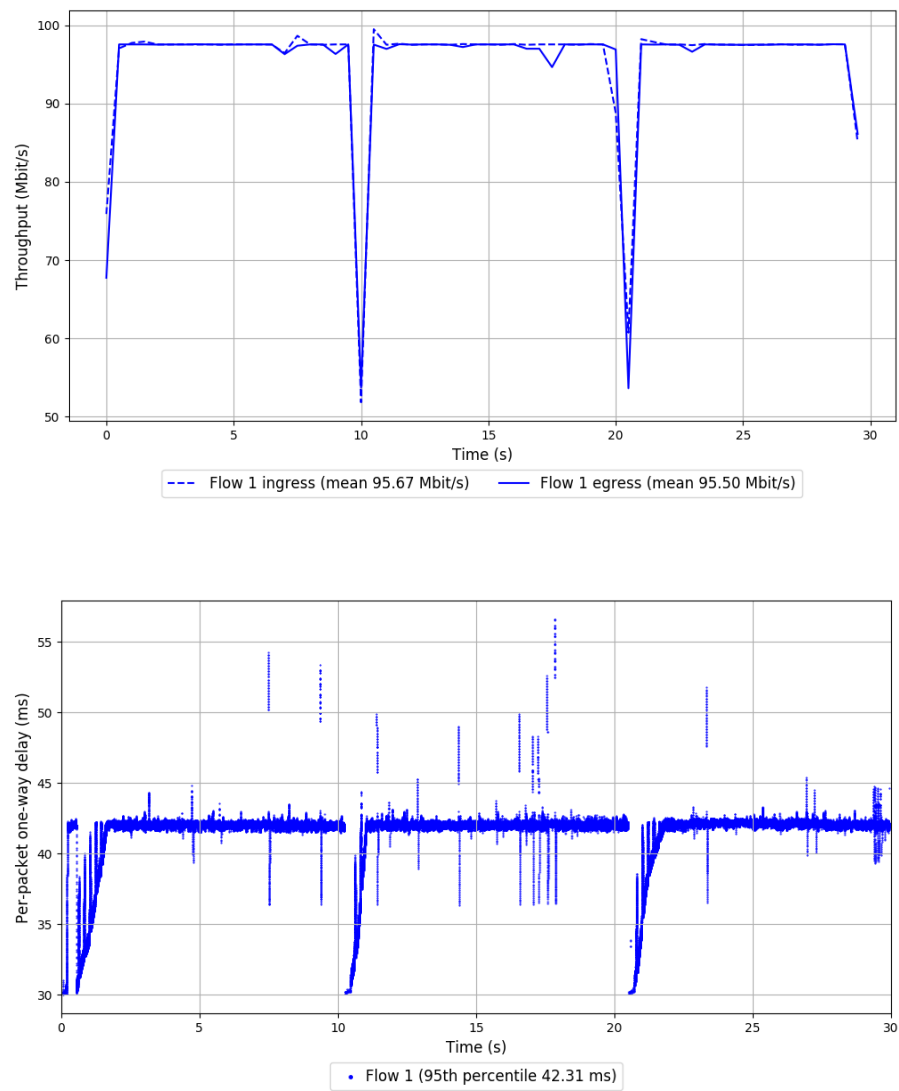
-- Flow 1:

Average throughput: 95.50 Mbit/s

95th percentile per-packet one-way delay: 42.315 ms

Loss rate: 0.27%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 22:46:14 +0000

End at: Sun, 16 Jul 2017 22:46:44 +0000

Local clock offset: 3.022 ms

Remote clock offset: -12.753 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:36:42 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.52 Mbit/s

95th percentile per-packet one-way delay: 46.832 ms

Loss rate: 0.27%

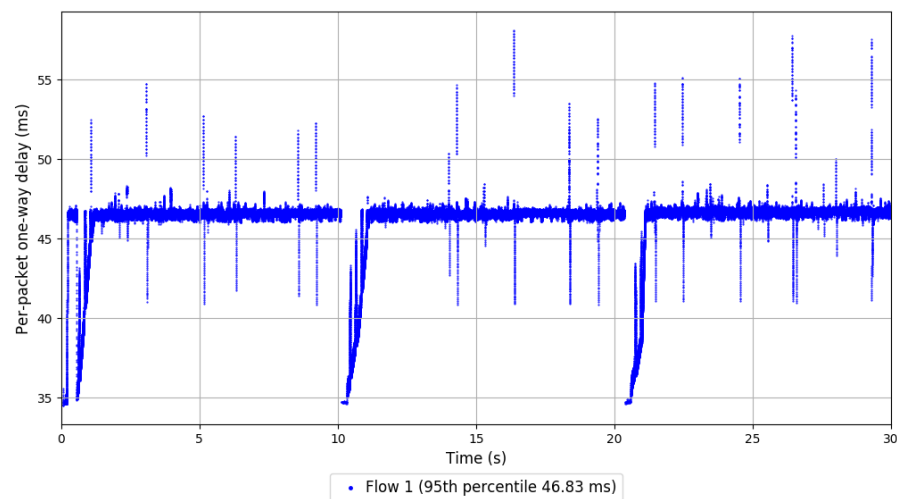
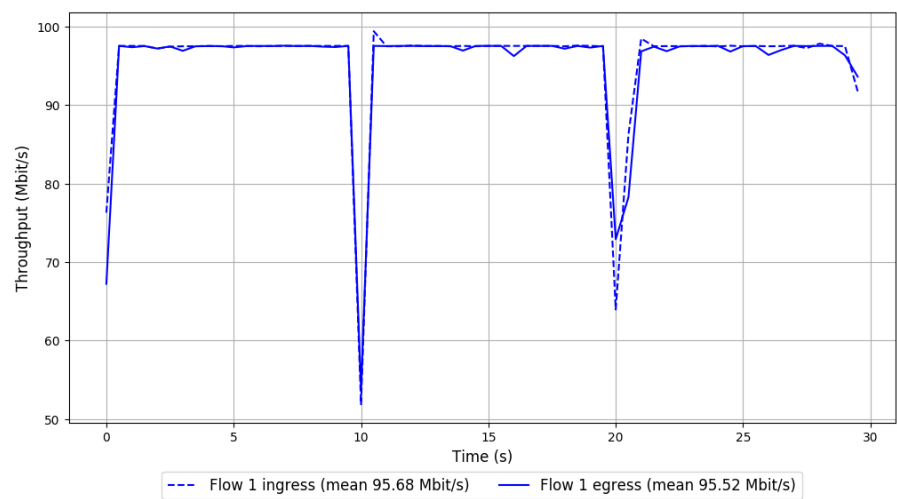
-- Flow 1:

Average throughput: 95.52 Mbit/s

95th percentile per-packet one-way delay: 46.832 ms

Loss rate: 0.27%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 23:03:37 +0000

End at: Sun, 16 Jul 2017 23:04:07 +0000

Local clock offset: 1.896 ms

Remote clock offset: -11.777 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:36:42 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.54 Mbit/s

95th percentile per-packet one-way delay: 45.787 ms

Loss rate: 0.25%

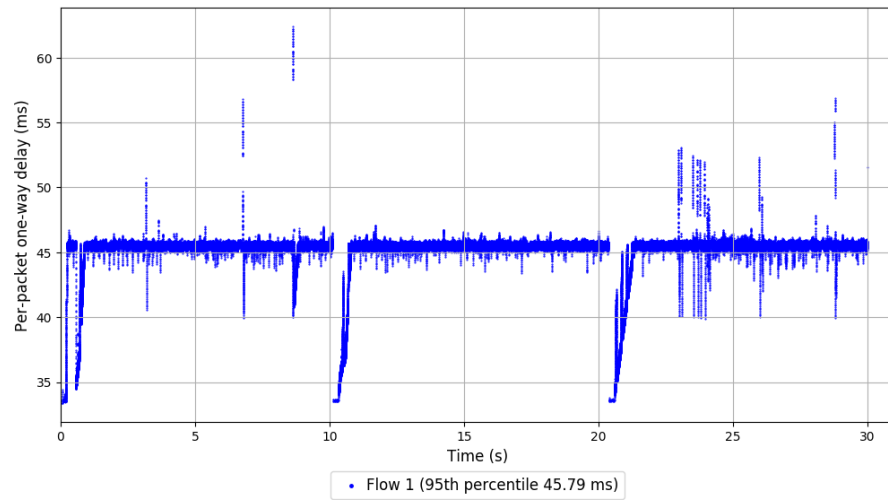
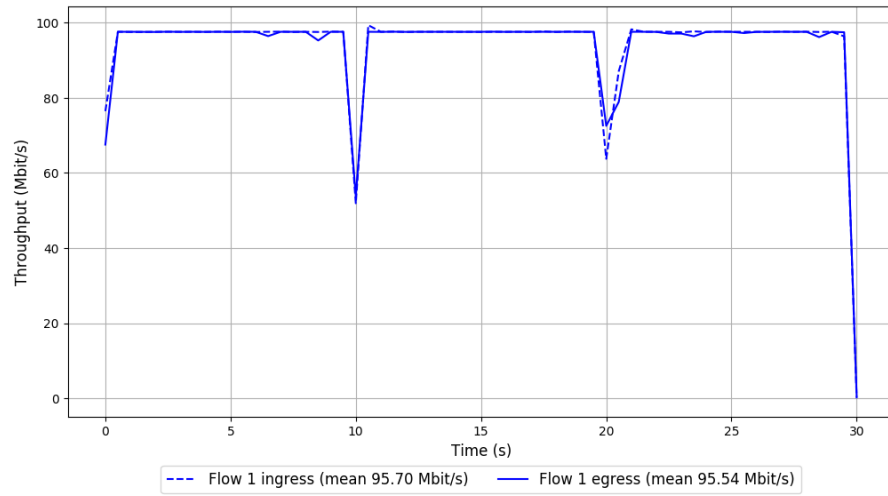
-- Flow 1:

Average throughput: 95.54 Mbit/s

95th percentile per-packet one-way delay: 45.787 ms

Loss rate: 0.25%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 23:21:11 +0000

End at: Sun, 16 Jul 2017 23:21:41 +0000

Local clock offset: 0.678 ms

Remote clock offset: -11.595 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:36:55 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.49 Mbit/s

95th percentile per-packet one-way delay: 45.006 ms

Loss rate: 0.30%

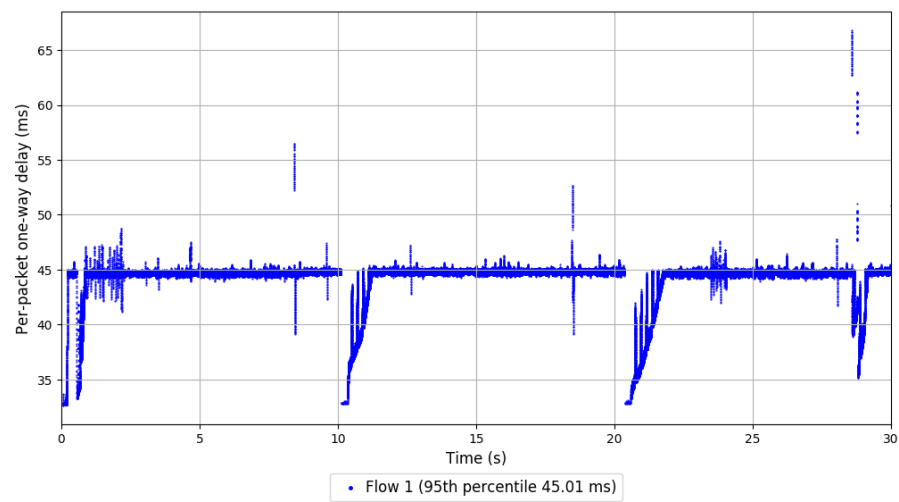
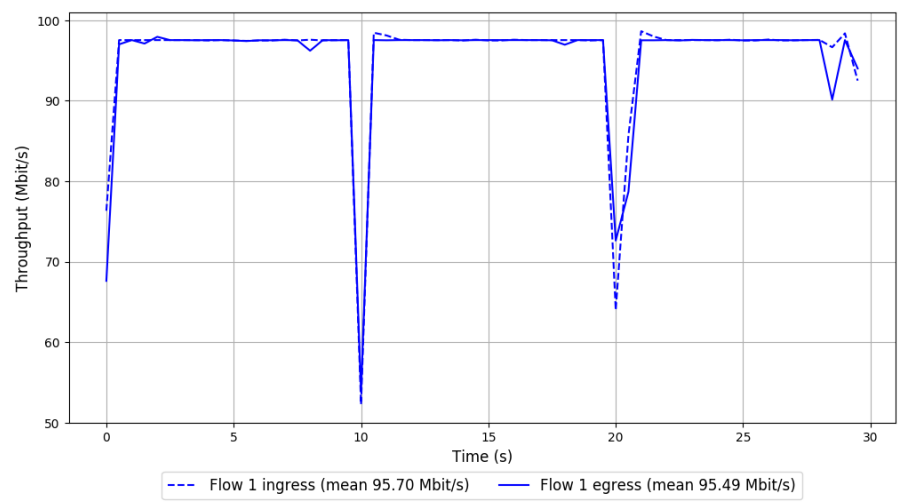
-- Flow 1:

Average throughput: 95.49 Mbit/s

95th percentile per-packet one-way delay: 45.006 ms

Loss rate: 0.30%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 23:38:41 +0000

End at: Sun, 16 Jul 2017 23:39:11 +0000

Local clock offset: -1.014 ms

Remote clock offset: -11.086 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:36:55 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.22 Mbit/s

95th percentile per-packet one-way delay: 43.118 ms

Loss rate: 0.51%

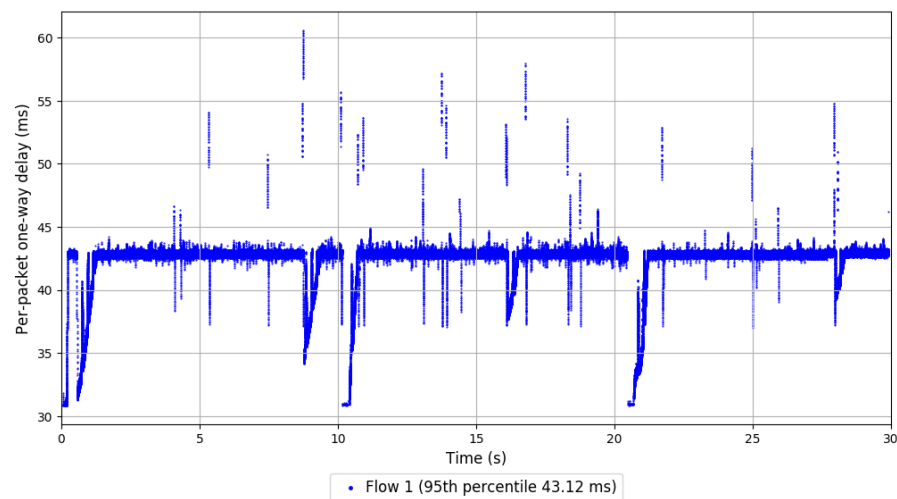
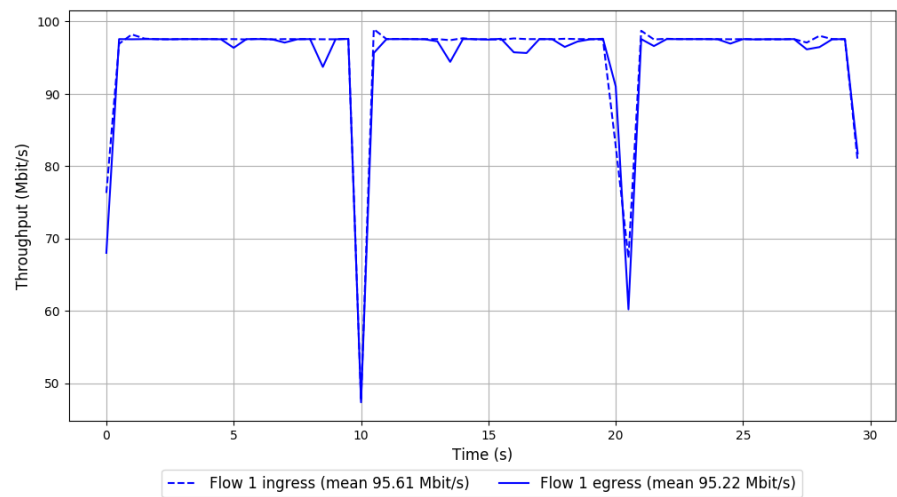
-- Flow 1:

Average throughput: 95.22 Mbit/s

95th percentile per-packet one-way delay: 43.118 ms

Loss rate: 0.51%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 23:56:09 +0000

End at: Sun, 16 Jul 2017 23:56:39 +0000

Local clock offset: -0.705 ms

Remote clock offset: -12.423 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:37:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.50 Mbit/s

95th percentile per-packet one-way delay: 44.696 ms

Loss rate: 0.29%

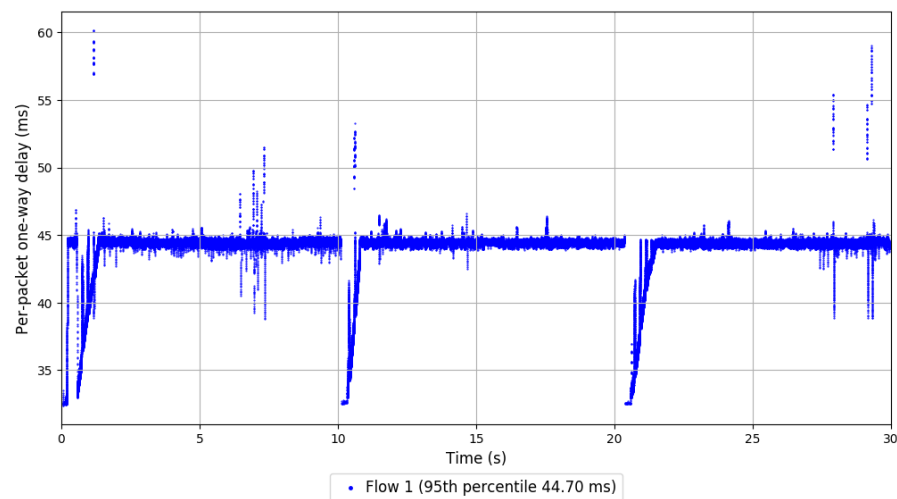
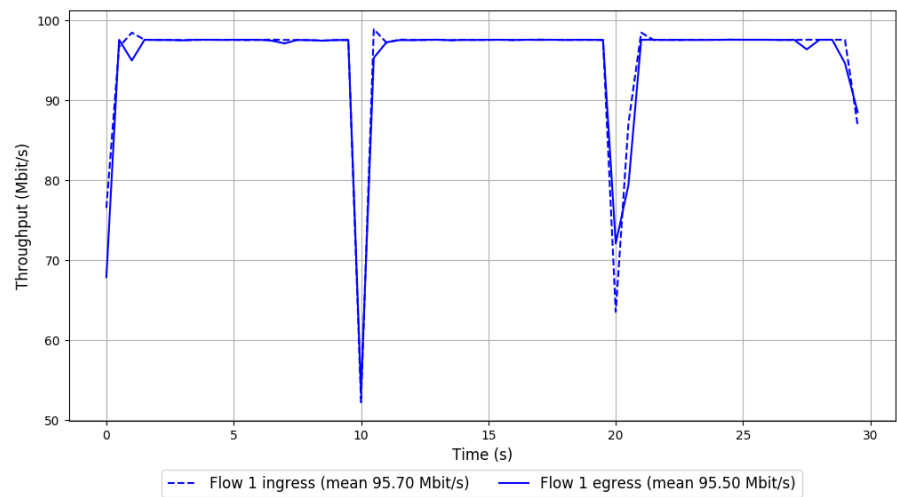
-- Flow 1:

Average throughput: 95.50 Mbit/s

95th percentile per-packet one-way delay: 44.696 ms

Loss rate: 0.29%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Mon, 17 Jul 2017 00:13:39 +0000

End at: Mon, 17 Jul 2017 00:14:09 +0000

Local clock offset: 1.63 ms

Remote clock offset: -9.991 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:37:09 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 44.871 ms

Loss rate: 0.22%

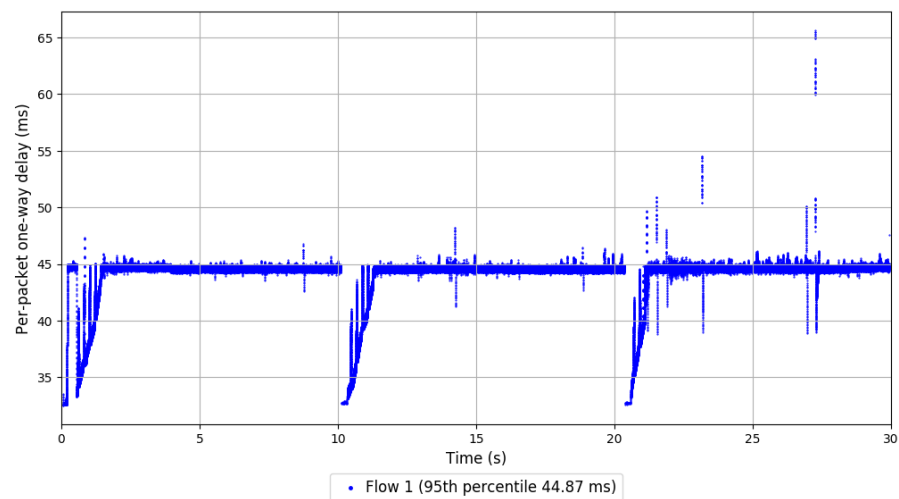
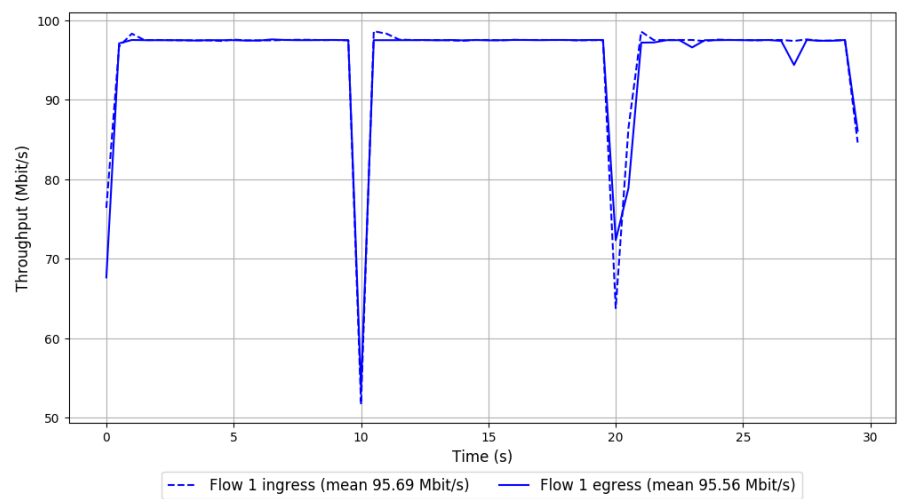
-- Flow 1:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 44.871 ms

Loss rate: 0.22%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Mon, 17 Jul 2017 00:31:16 +0000

End at: Mon, 17 Jul 2017 00:31:46 +0000

Local clock offset: 0.365 ms

Remote clock offset: -11.827 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:37:20 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.38 Mbit/s

95th percentile per-packet one-way delay: 45.706 ms

Loss rate: 0.38%

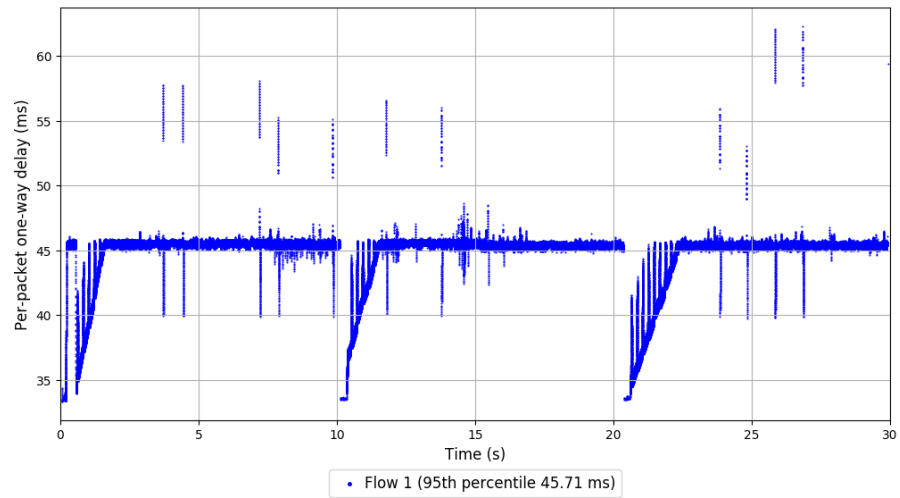
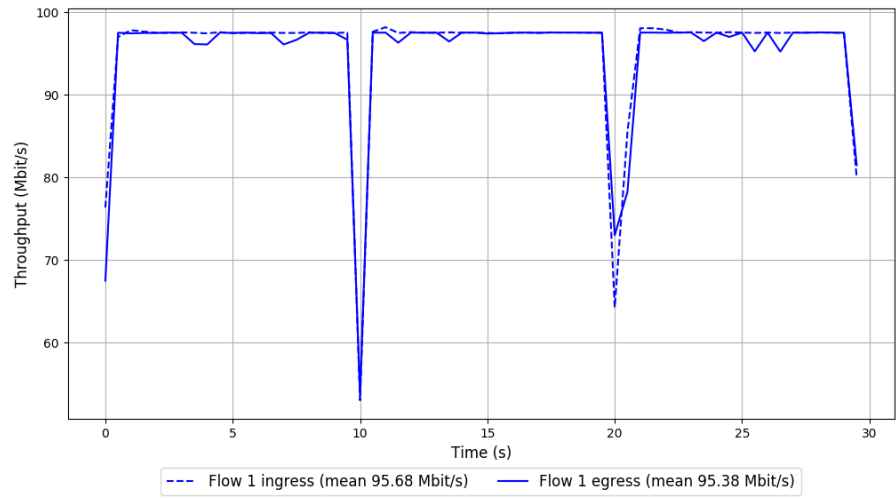
-- Flow 1:

Average throughput: 95.38 Mbit/s

95th percentile per-packet one-way delay: 45.706 ms

Loss rate: 0.38%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Mon, 17 Jul 2017 00:48:41 +0000

End at: Mon, 17 Jul 2017 00:49:11 +0000

Local clock offset: 1.988 ms

Remote clock offset: -11.99 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:37:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.55 Mbit/s

95th percentile per-packet one-way delay: 47.860 ms

Loss rate: 0.24%

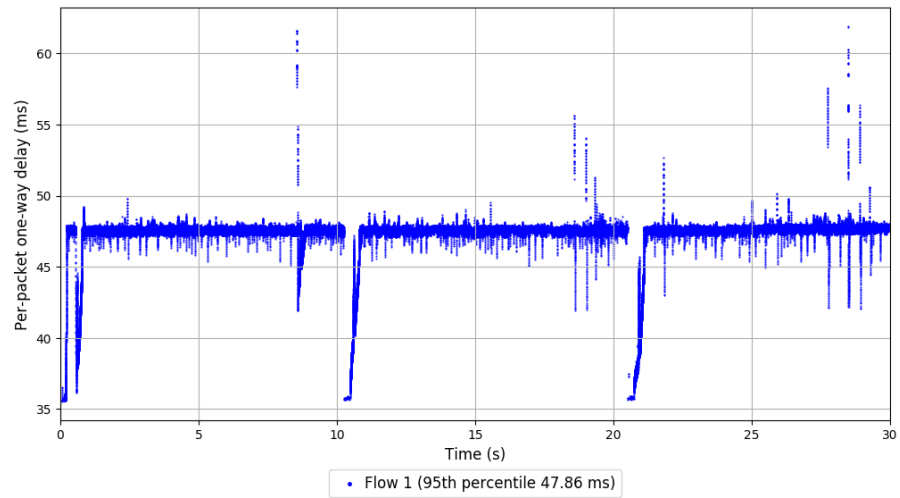
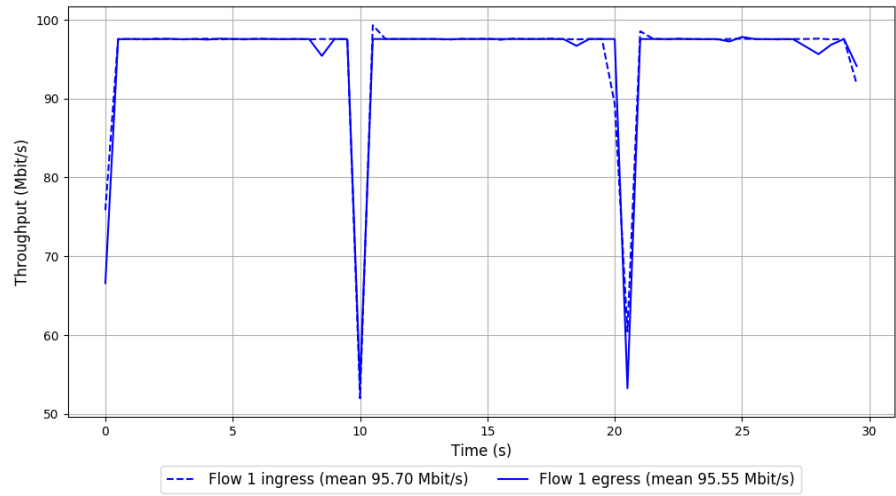
-- Flow 1:

Average throughput: 95.55 Mbit/s

95th percentile per-packet one-way delay: 47.860 ms

Loss rate: 0.24%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 22:20:36 +0000

End at: Sun, 16 Jul 2017 22:21:06 +0000

Local clock offset: 0.109 ms

Remote clock offset: -14.344 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:37:34 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 40.366 ms

Loss rate: 0.43%

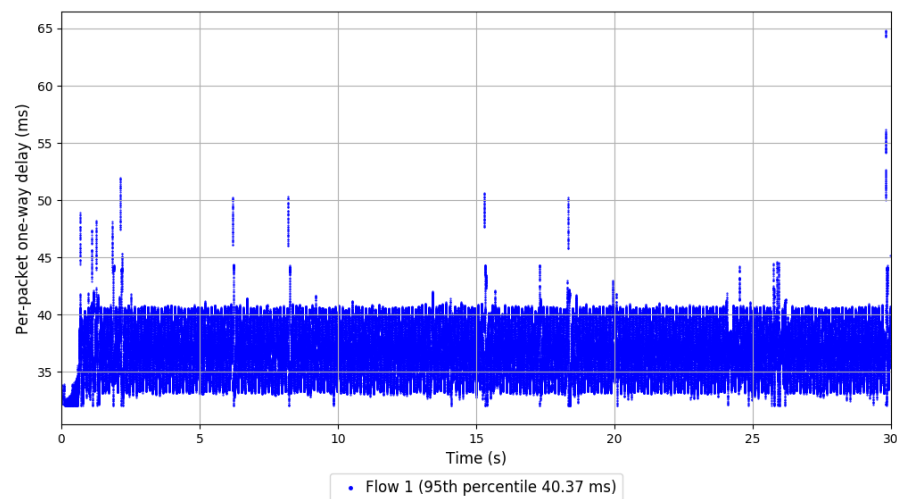
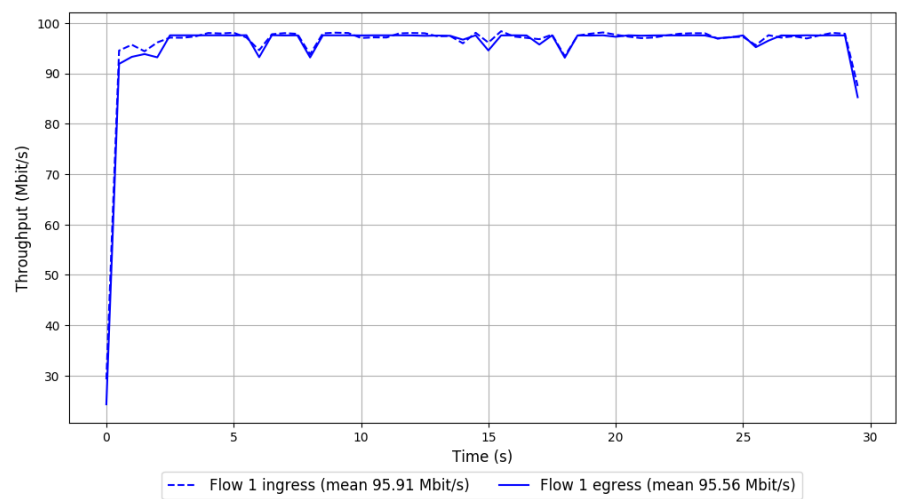
-- Flow 1:

Average throughput: 95.56 Mbit/s

95th percentile per-packet one-way delay: 40.366 ms

Loss rate: 0.43%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 22:38:09 +0000

End at: Sun, 16 Jul 2017 22:38:39 +0000

Local clock offset: 1.233 ms

Remote clock offset: -13.152 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:37:34 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.10 Mbit/s

95th percentile per-packet one-way delay: 41.320 ms

Loss rate: 0.23%

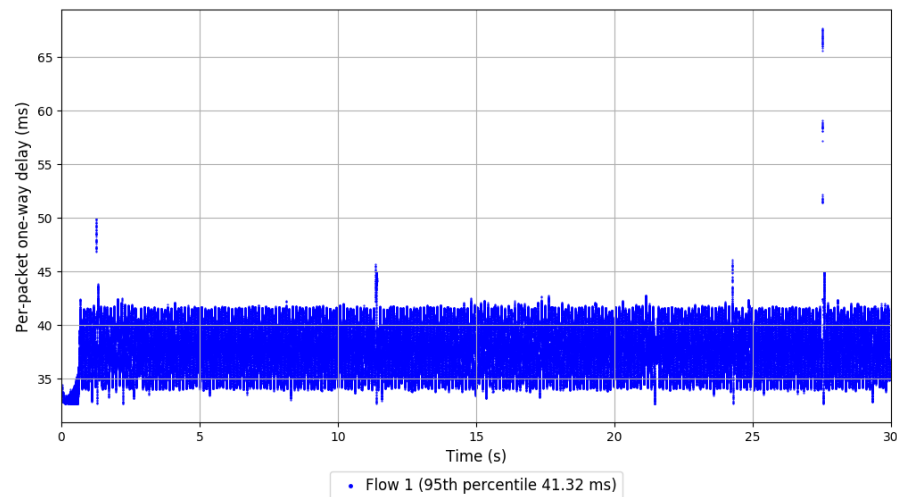
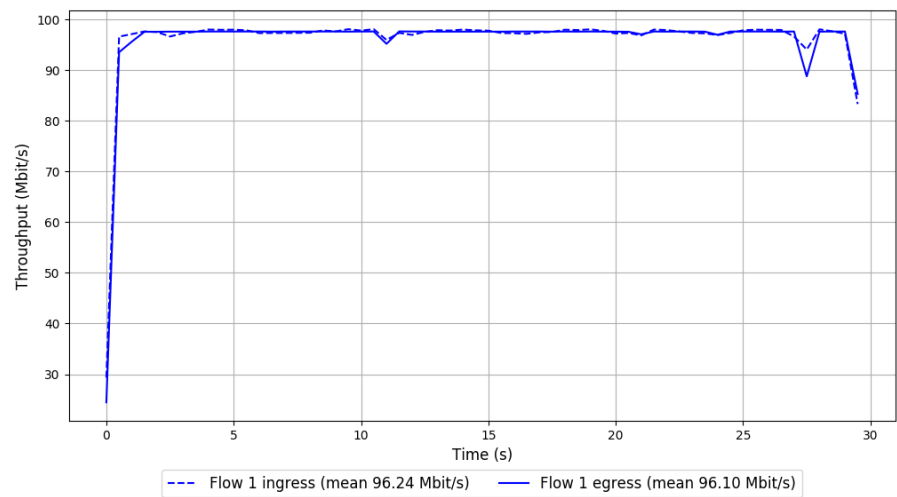
-- Flow 1:

Average throughput: 96.10 Mbit/s

95th percentile per-packet one-way delay: 41.320 ms

Loss rate: 0.23%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 22:55:31 +0000

End at: Sun, 16 Jul 2017 22:56:01 +0000

Local clock offset: 1.46 ms

Remote clock offset: -12.39 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:37:47 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.91 Mbit/s

95th percentile per-packet one-way delay: 41.808 ms

Loss rate: 0.32%

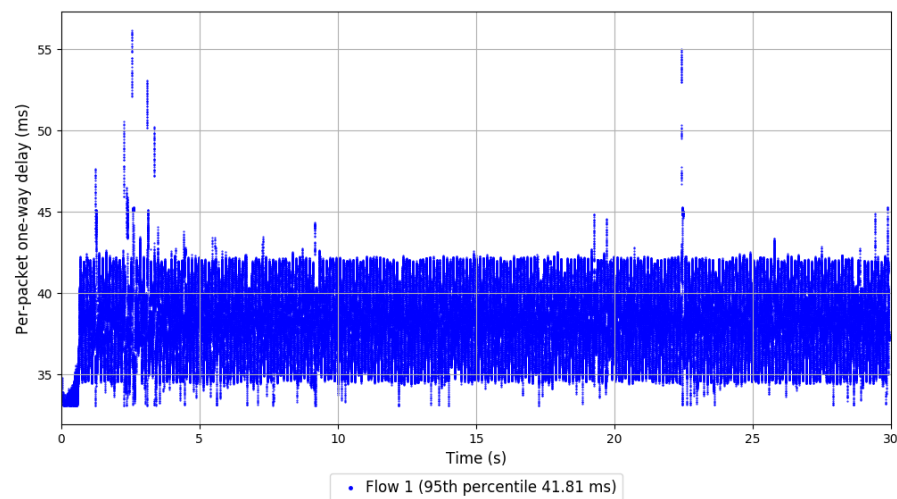
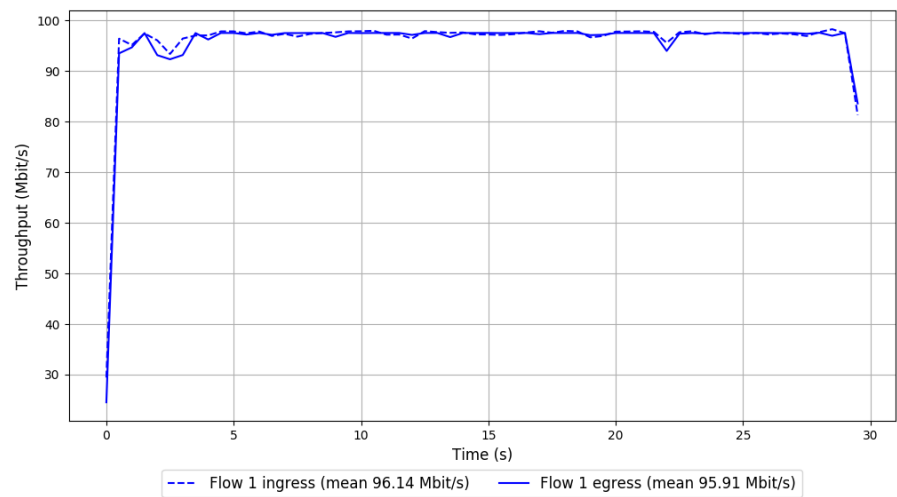
-- Flow 1:

Average throughput: 95.91 Mbit/s

95th percentile per-packet one-way delay: 41.808 ms

Loss rate: 0.32%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 23:13:04 +0000

End at: Sun, 16 Jul 2017 23:13:34 +0000

Local clock offset: 2.916 ms

Remote clock offset: -11.492 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:37:47 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.76 Mbit/s

95th percentile per-packet one-way delay: 43.370 ms

Loss rate: 0.40%

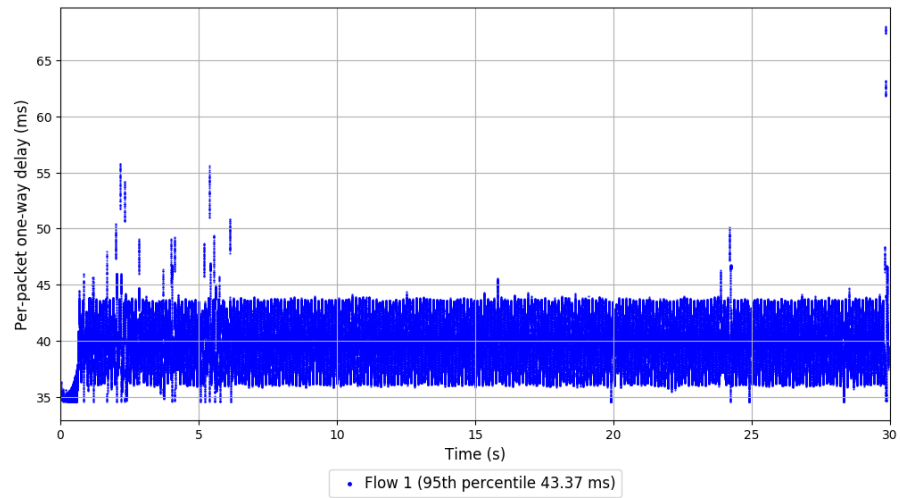
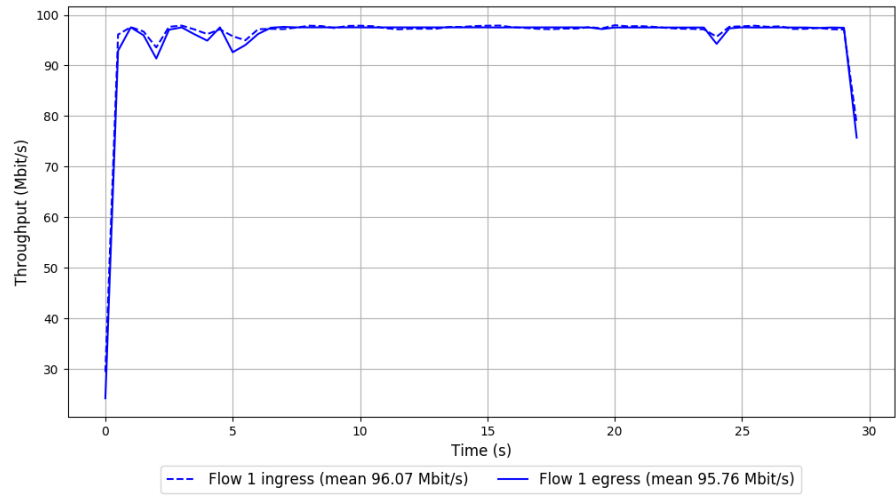
-- Flow 1:

Average throughput: 95.76 Mbit/s

95th percentile per-packet one-way delay: 43.370 ms

Loss rate: 0.40%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 23:30:35 +0000

End at: Sun, 16 Jul 2017 23:31:05 +0000

Local clock offset: -1.274 ms

Remote clock offset: -10.82 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:38:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.96 Mbit/s

95th percentile per-packet one-way delay: 38.389 ms

Loss rate: 0.23%

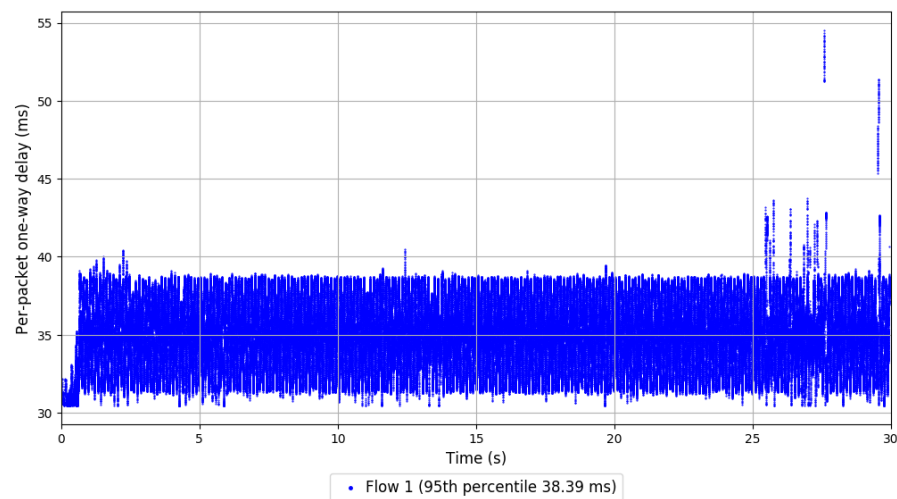
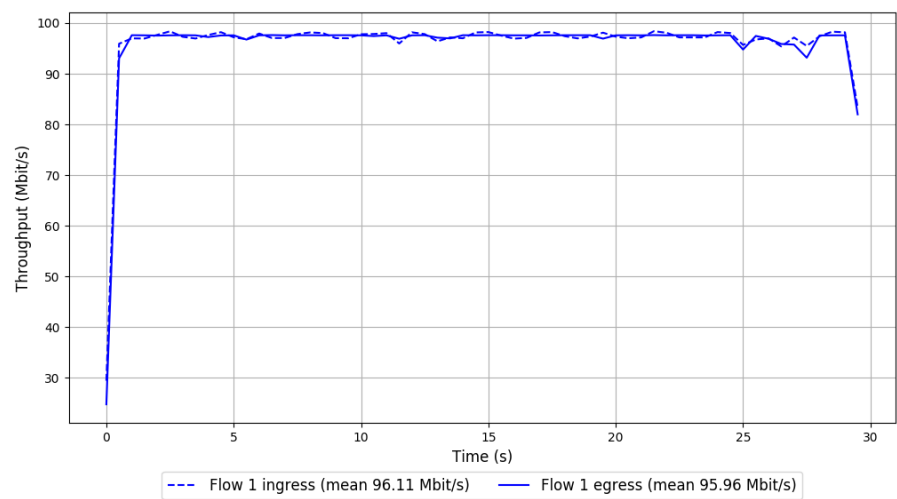
-- Flow 1:

Average throughput: 95.96 Mbit/s

95th percentile per-packet one-way delay: 38.389 ms

Loss rate: 0.23%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 23:48:05 +0000

End at: Sun, 16 Jul 2017 23:48:35 +0000

Local clock offset: 1.371 ms

Remote clock offset: -10.04 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:38:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: 40.314 ms

Loss rate: 0.25%

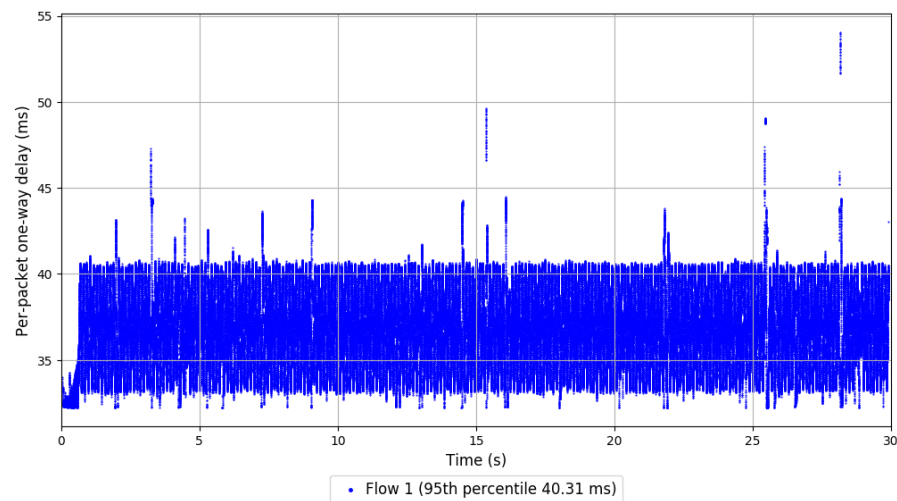
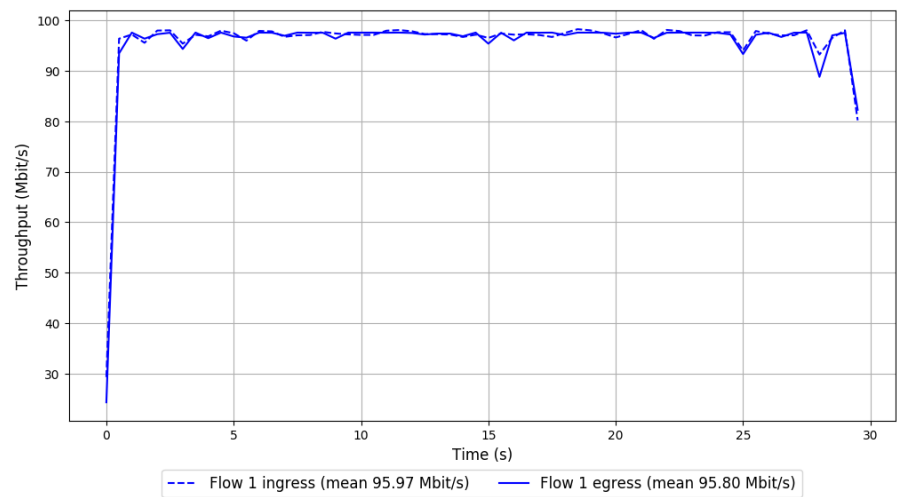
-- Flow 1:

Average throughput: 95.80 Mbit/s

95th percentile per-packet one-way delay: 40.314 ms

Loss rate: 0.25%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Mon, 17 Jul 2017 00:05:32 +0000

End at: Mon, 17 Jul 2017 00:06:02 +0000

Local clock offset: -0.844 ms

Remote clock offset: -9.947 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:38:12 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 37.969 ms

Loss rate: 0.26%

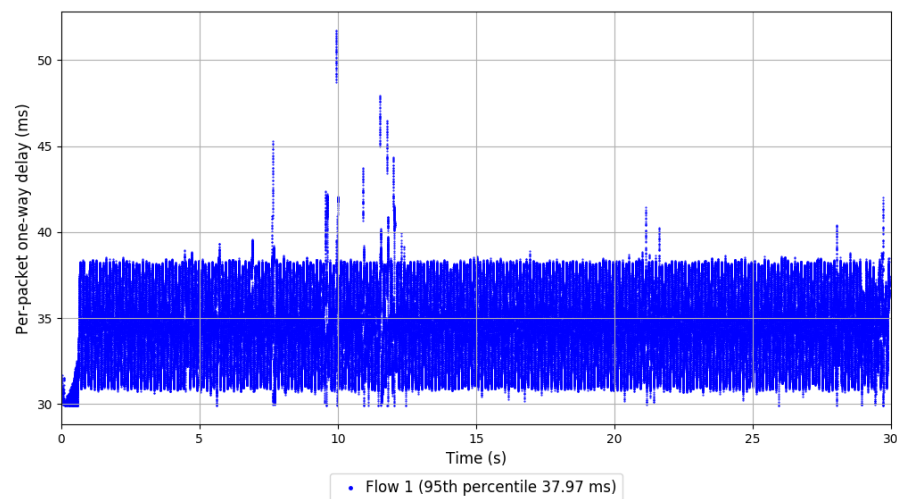
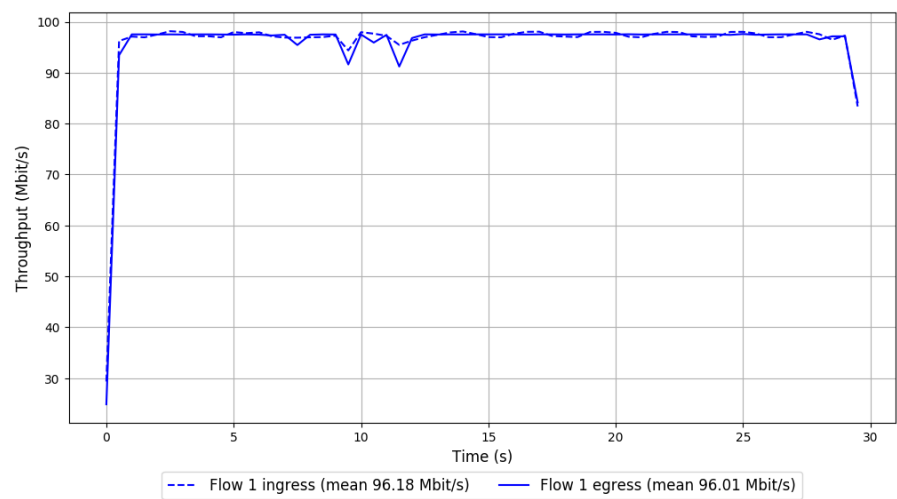
-- Flow 1:

Average throughput: 96.01 Mbit/s

95th percentile per-packet one-way delay: 37.969 ms

Loss rate: 0.26%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Mon, 17 Jul 2017 00:23:04 +0000

End at: Mon, 17 Jul 2017 00:23:34 +0000

Local clock offset: 1.956 ms

Remote clock offset: -11.388 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:38:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 43.288 ms

Loss rate: 0.12%

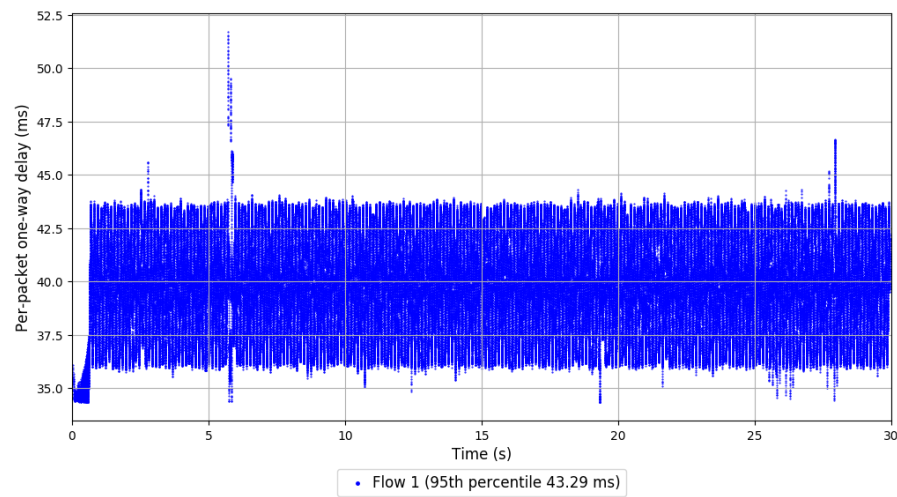
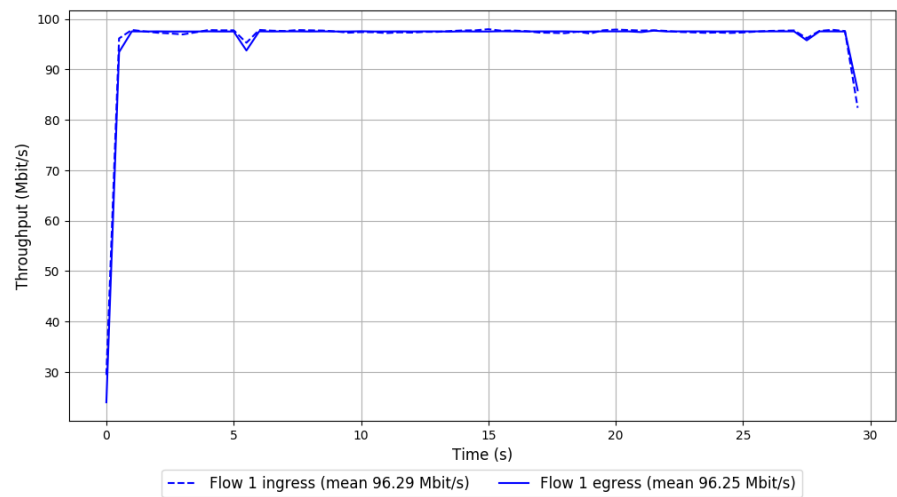
-- Flow 1:

Average throughput: 96.25 Mbit/s

95th percentile per-packet one-way delay: 43.288 ms

Loss rate: 0.12%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Mon, 17 Jul 2017 00:40:35 +0000

End at: Mon, 17 Jul 2017 00:41:05 +0000

Local clock offset: -0.571 ms

Remote clock offset: -12.026 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:38:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.29 Mbit/s

95th percentile per-packet one-way delay: 41.398 ms

Loss rate: 0.57%

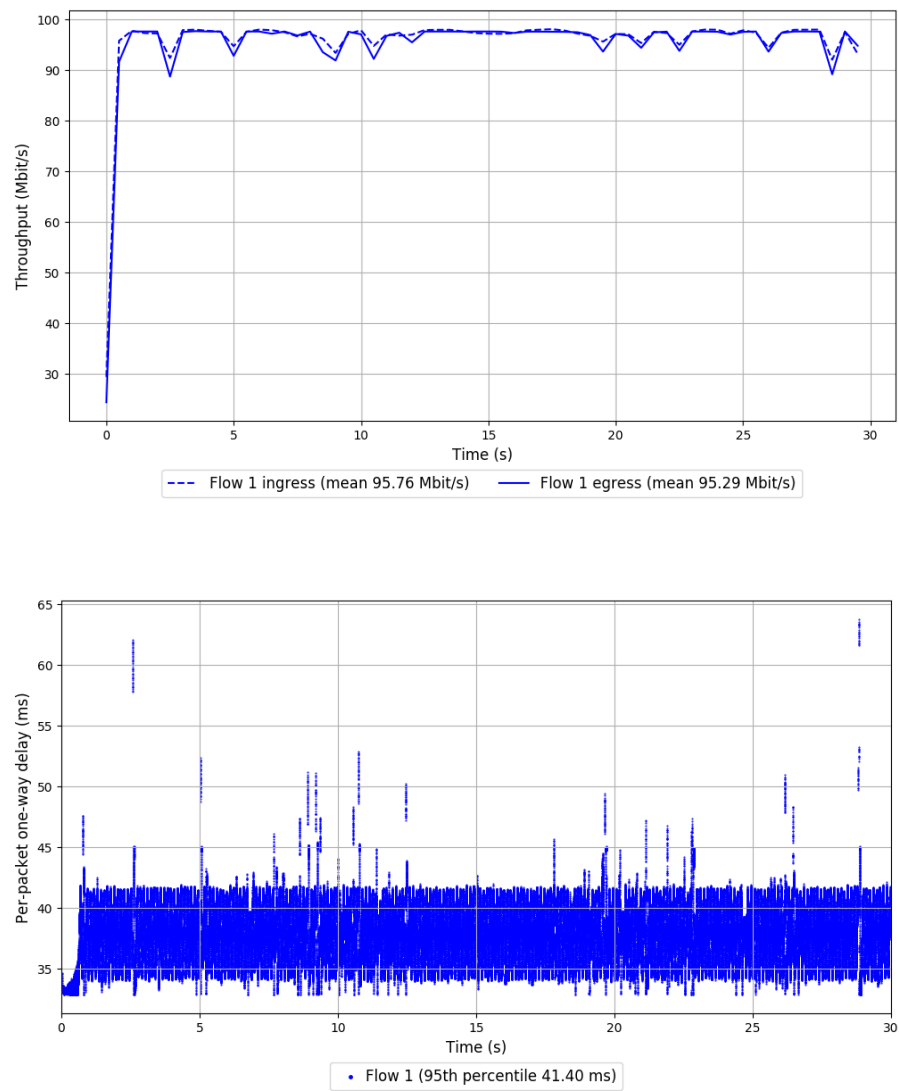
-- Flow 1:

Average throughput: 95.29 Mbit/s

95th percentile per-packet one-way delay: 41.398 ms

Loss rate: 0.57%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Mon, 17 Jul 2017 00:58:06 +0000

End at: Mon, 17 Jul 2017 00:58:36 +0000

Local clock offset: 0.647 ms

Remote clock offset: -10.685 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:38:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.06 Mbit/s

95th percentile per-packet one-way delay: 41.181 ms

Loss rate: 0.16%

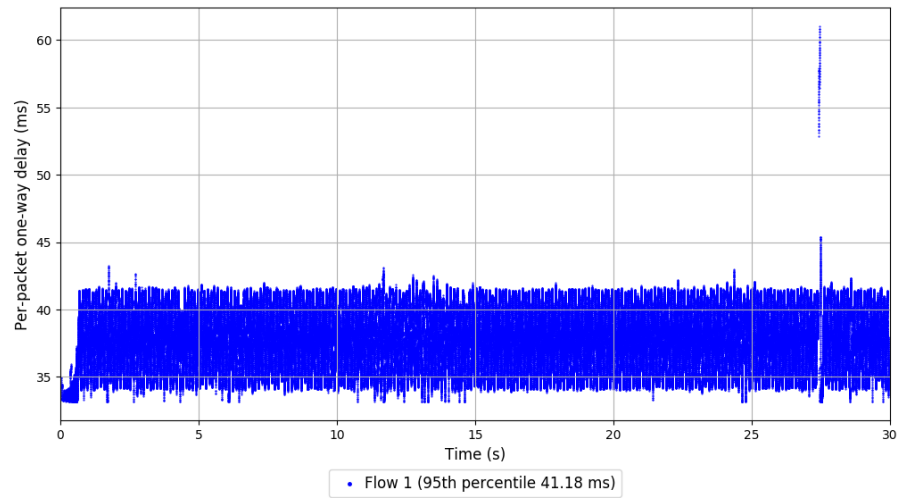
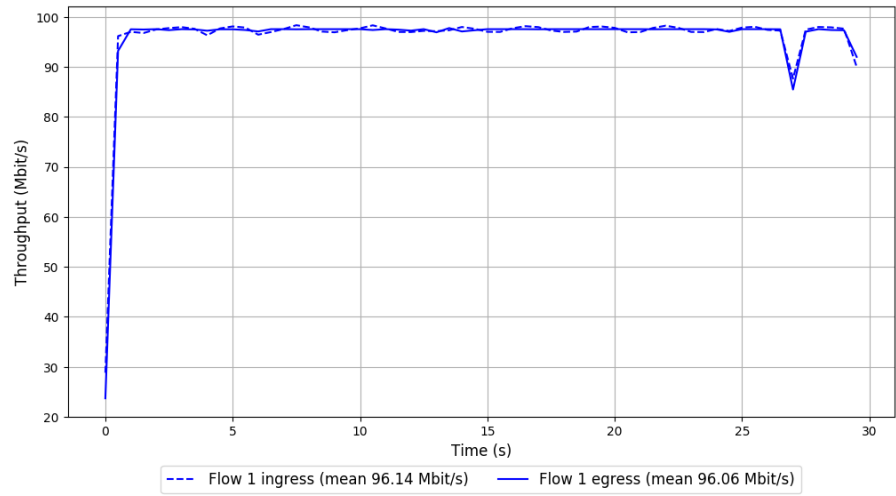
-- Flow 1:

Average throughput: 96.06 Mbit/s

95th percentile per-packet one-way delay: 41.181 ms

Loss rate: 0.16%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Sun, 16 Jul 2017 22:13:34 +0000

End at: Sun, 16 Jul 2017 22:14:04 +0000

Local clock offset: 3.037 ms

Remote clock offset: -13.403 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:38:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.63 Mbit/s

95th percentile per-packet one-way delay: 33.827 ms

Loss rate: 0.14%

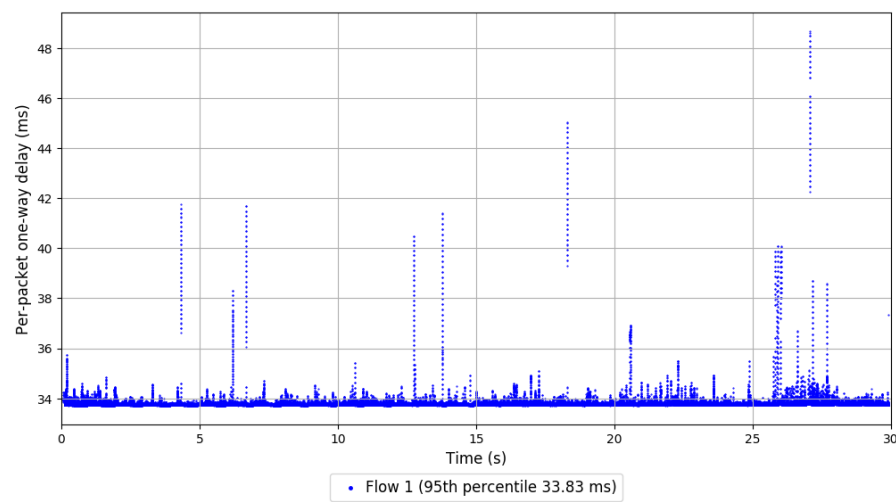
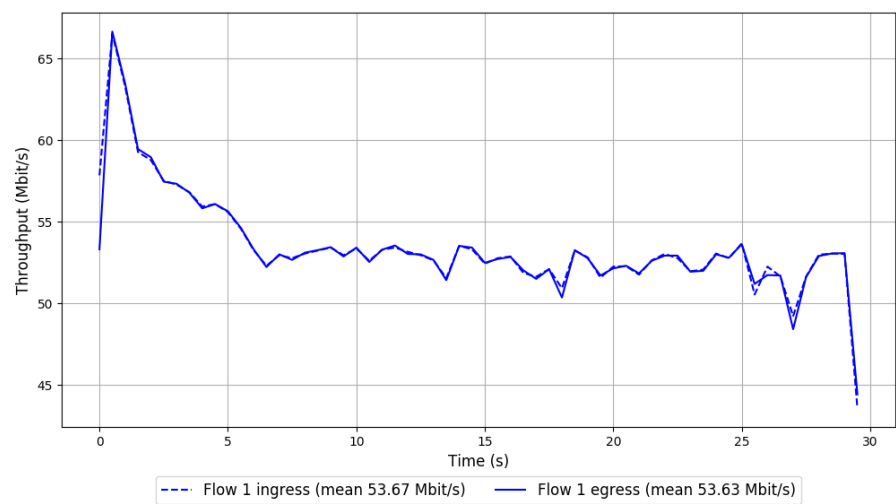
-- Flow 1:

Average throughput: 53.63 Mbit/s

95th percentile per-packet one-way delay: 33.827 ms

Loss rate: 0.14%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Sun, 16 Jul 2017 22:31:07 +0000

End at: Sun, 16 Jul 2017 22:31:37 +0000

Local clock offset: -0.789 ms

Remote clock offset: -14.561 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:38:41 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.97 Mbit/s

95th percentile per-packet one-way delay: 31.801 ms

Loss rate: 0.25%

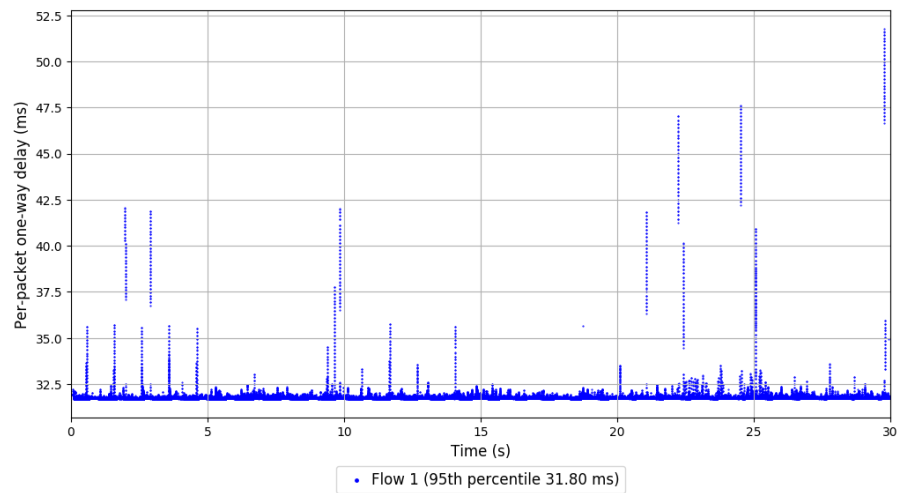
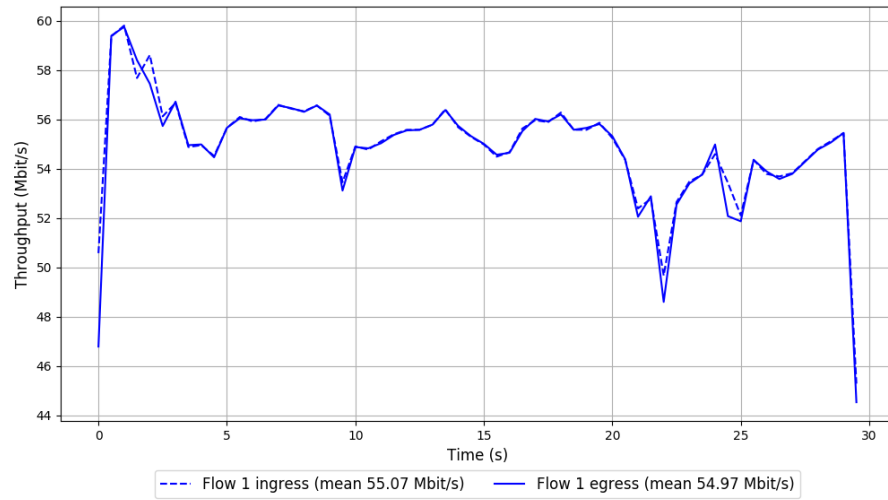
-- Flow 1:

Average throughput: 54.97 Mbit/s

95th percentile per-packet one-way delay: 31.801 ms

Loss rate: 0.25%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Sun, 16 Jul 2017 22:48:31 +0000

End at: Sun, 16 Jul 2017 22:49:01 +0000

Local clock offset: 1.673 ms

Remote clock offset: -12.015 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:38:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.81 Mbit/s

95th percentile per-packet one-way delay: 32.660 ms

Loss rate: 0.12%

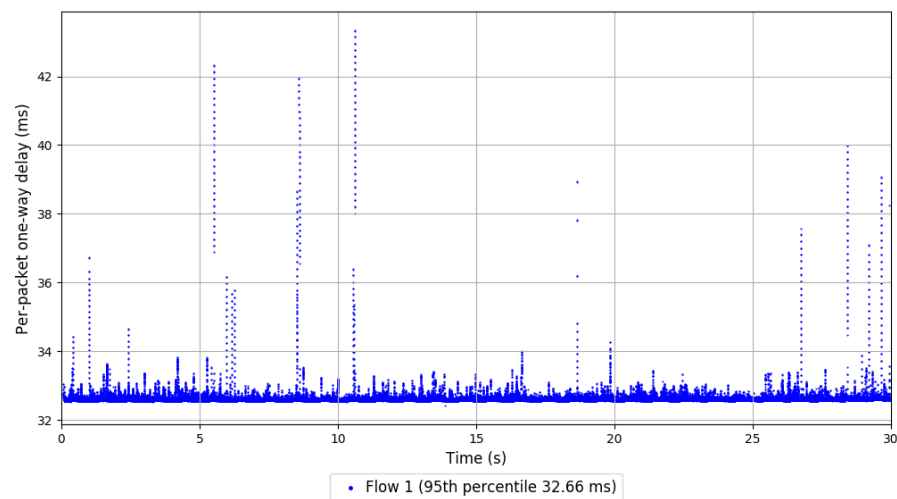
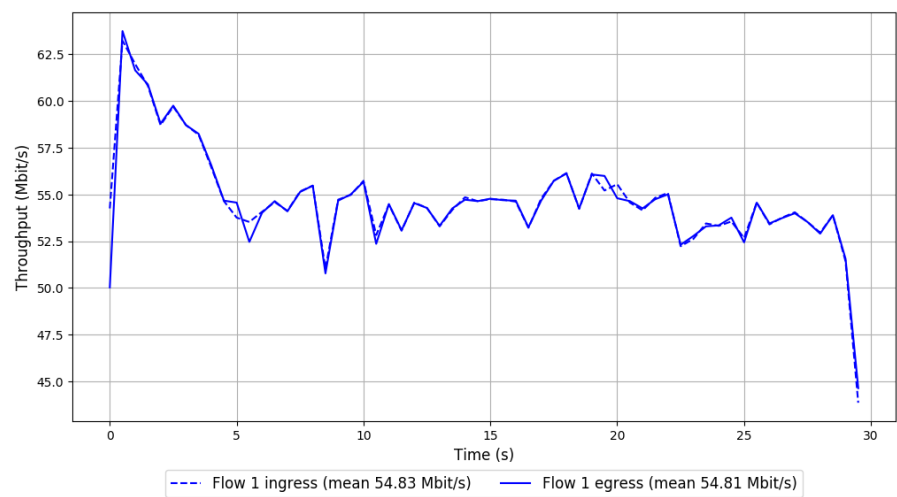
-- Flow 1:

Average throughput: 54.81 Mbit/s

95th percentile per-packet one-way delay: 32.660 ms

Loss rate: 0.12%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Sun, 16 Jul 2017 23:06:01 +0000

End at: Sun, 16 Jul 2017 23:06:31 +0000

Local clock offset: 2.611 ms

Remote clock offset: -12.583 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:38:55 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.88 Mbit/s

95th percentile per-packet one-way delay: 35.252 ms

Loss rate: 0.26%

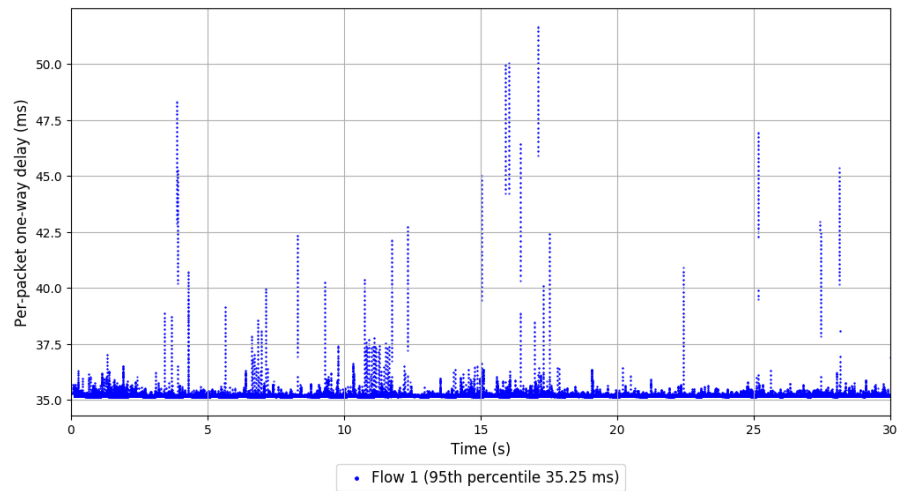
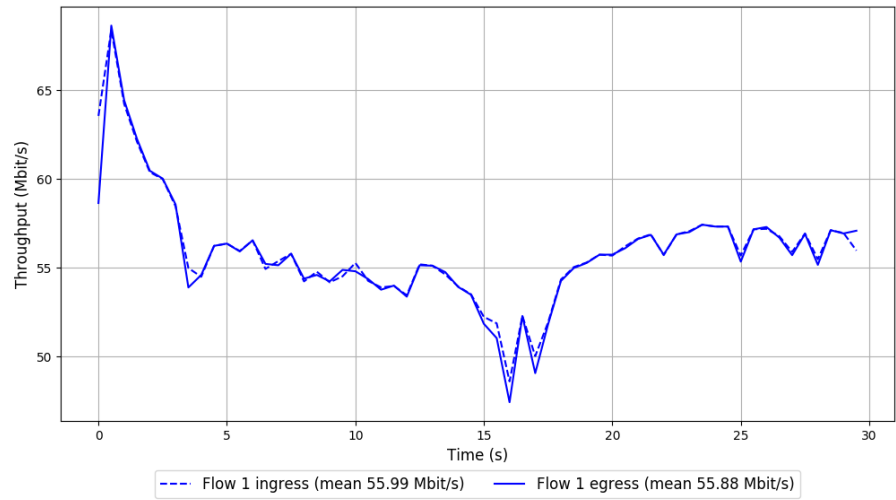
-- Flow 1:

Average throughput: 55.88 Mbit/s

95th percentile per-packet one-way delay: 35.252 ms

Loss rate: 0.26%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Sun, 16 Jul 2017 23:23:36 +0000

End at: Sun, 16 Jul 2017 23:24:06 +0000

Local clock offset: 0.825 ms

Remote clock offset: -11.206 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:39:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.63 Mbit/s

95th percentile per-packet one-way delay: 32.692 ms

Loss rate: 0.25%

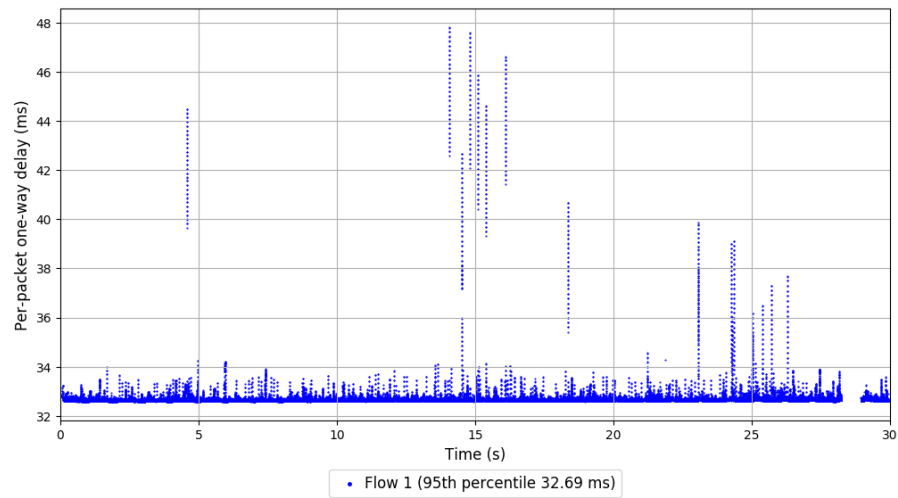
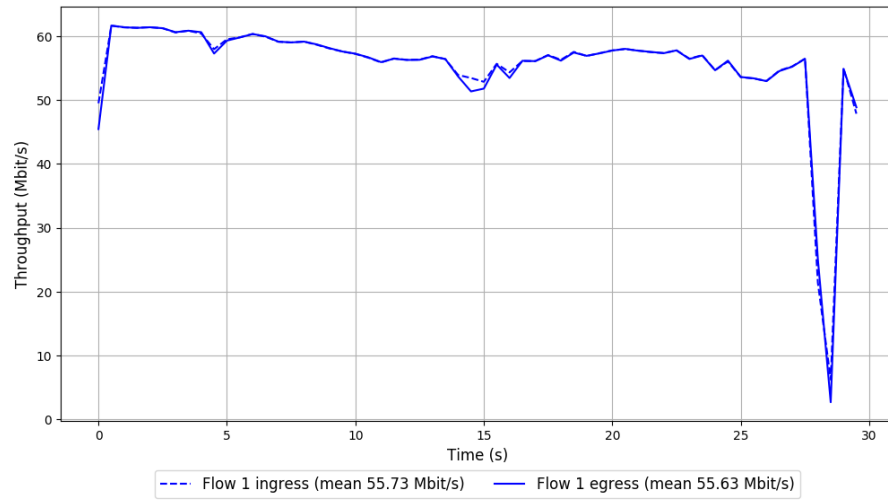
-- Flow 1:

Average throughput: 55.63 Mbit/s

95th percentile per-packet one-way delay: 32.692 ms

Loss rate: 0.25%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Sun, 16 Jul 2017 23:40:59 +0000

End at: Sun, 16 Jul 2017 23:41:29 +0000

Local clock offset: 2.91 ms

Remote clock offset: -11.927 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:39:09 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.52 Mbit/s

95th percentile per-packet one-way delay: 35.710 ms

Loss rate: 0.14%

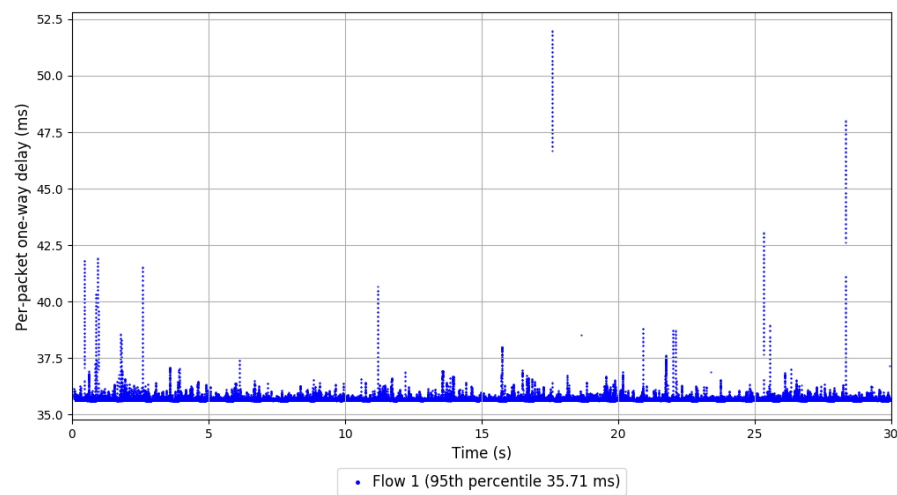
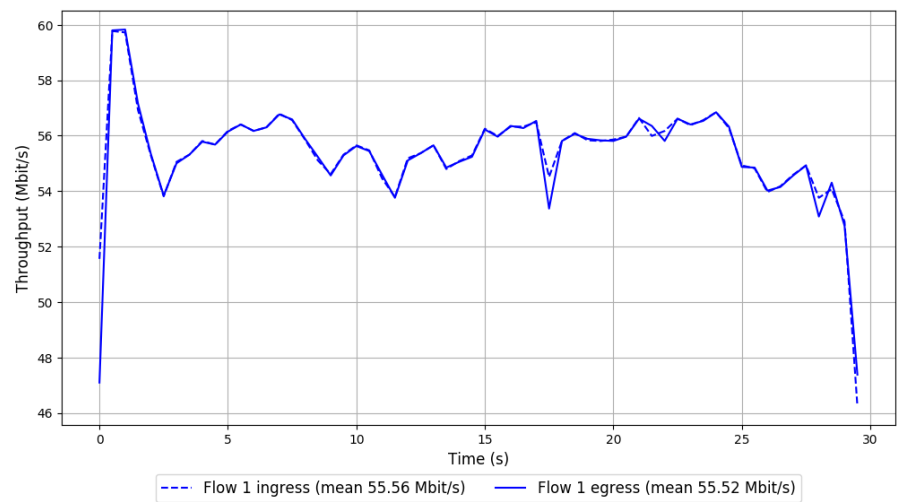
-- Flow 1:

Average throughput: 55.52 Mbit/s

95th percentile per-packet one-way delay: 35.710 ms

Loss rate: 0.14%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Sun, 16 Jul 2017 23:58:35 +0000

End at: Sun, 16 Jul 2017 23:59:05 +0000

Local clock offset: -1.184 ms

Remote clock offset: -10.233 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:39:17 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.39 Mbit/s

95th percentile per-packet one-way delay: 29.872 ms

Loss rate: 0.31%

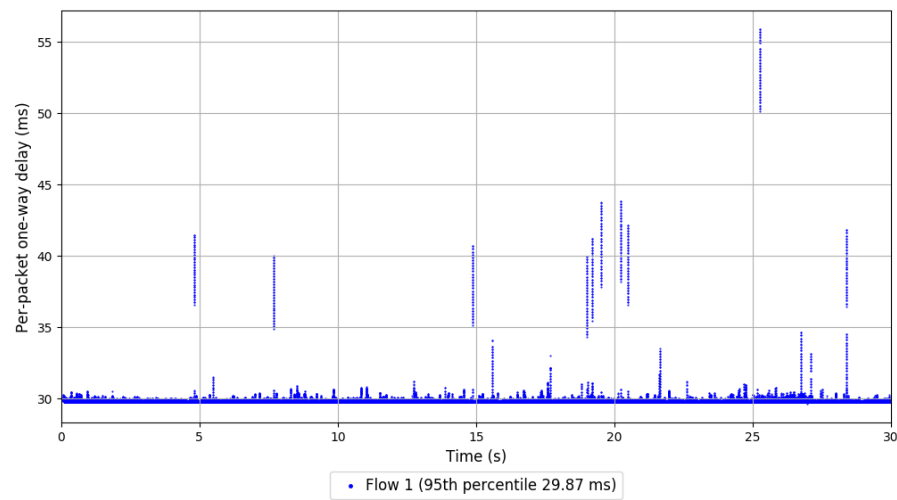
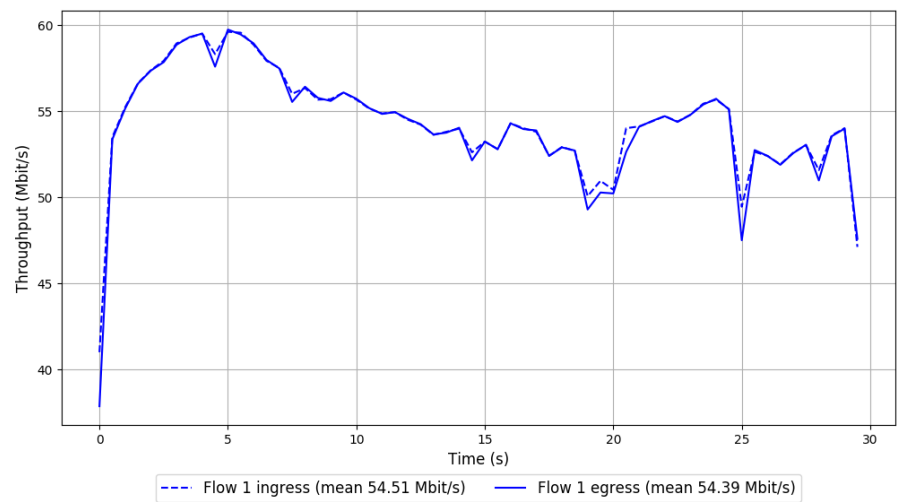
-- Flow 1:

Average throughput: 54.39 Mbit/s

95th percentile per-packet one-way delay: 29.872 ms

Loss rate: 0.31%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Mon, 17 Jul 2017 00:16:04 +0000

End at: Mon, 17 Jul 2017 00:16:34 +0000

Local clock offset: 0.44 ms

Remote clock offset: -11.72 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:39:23 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.33 Mbit/s

95th percentile per-packet one-way delay: 33.239 ms

Loss rate: 0.17%

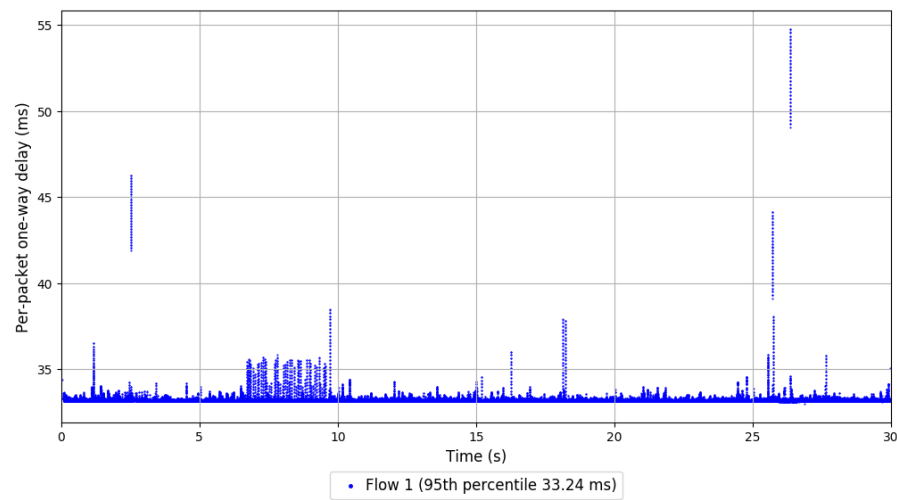
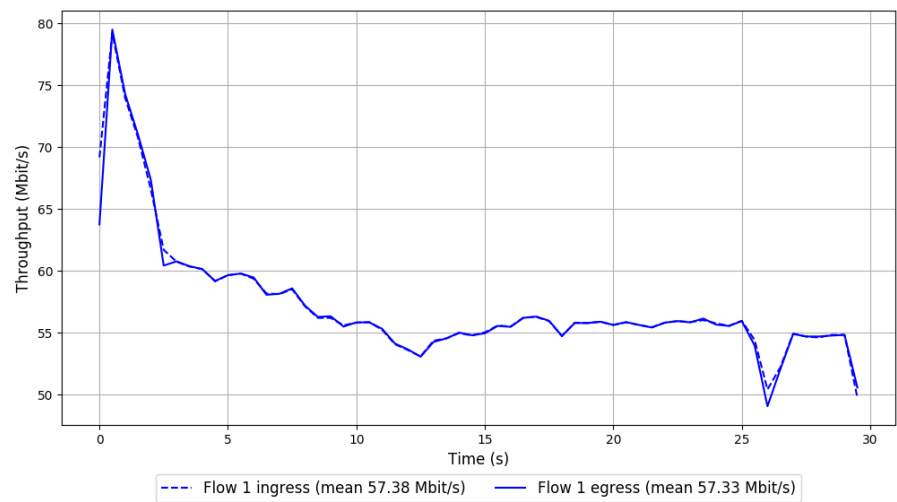
-- Flow 1:

Average throughput: 57.33 Mbit/s

95th percentile per-packet one-way delay: 33.239 ms

Loss rate: 0.17%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Mon, 17 Jul 2017 00:33:31 +0000

End at: Mon, 17 Jul 2017 00:34:01 +0000

Local clock offset: -0.401 ms

Remote clock offset: -12.04 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:39:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.68 Mbit/s

95th percentile per-packet one-way delay: 33.037 ms

Loss rate: 0.09%

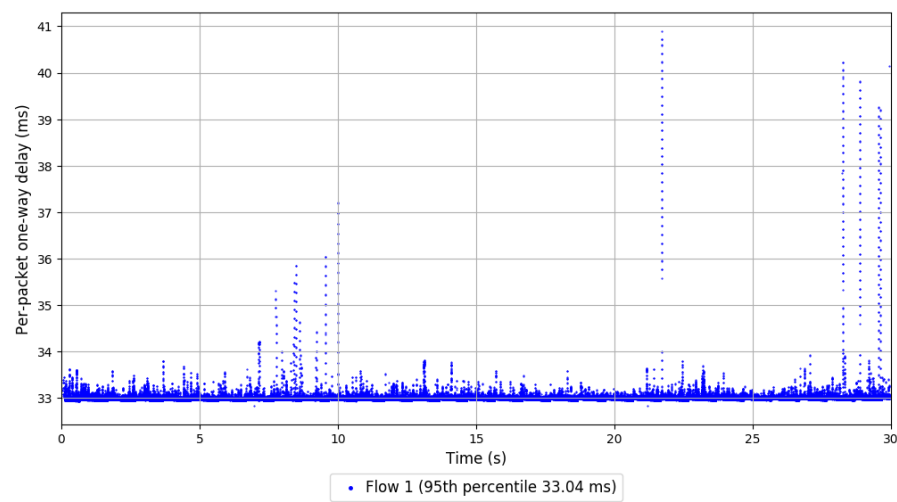
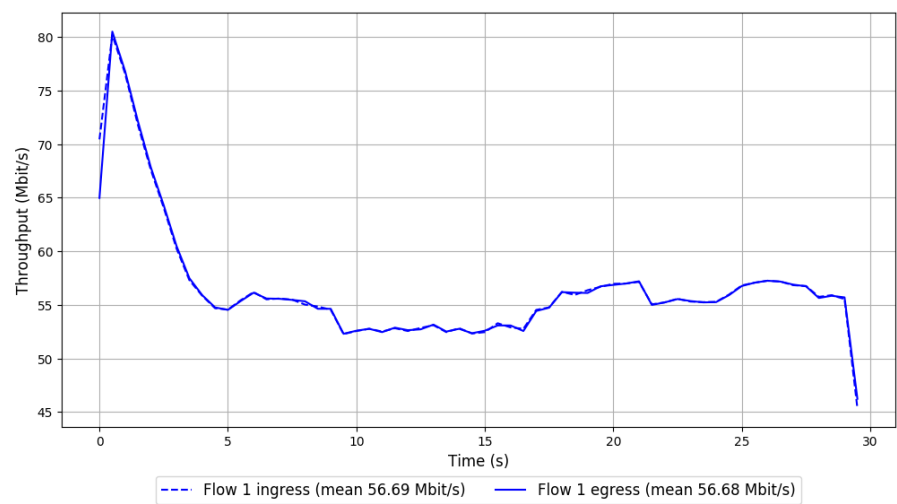
-- Flow 1:

Average throughput: 56.68 Mbit/s

95th percentile per-packet one-way delay: 33.037 ms

Loss rate: 0.09%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Mon, 17 Jul 2017 00:51:05 +0000

End at: Mon, 17 Jul 2017 00:51:35 +0000

Local clock offset: 1.13 ms

Remote clock offset: -9.292 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:39:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.28 Mbit/s

95th percentile per-packet one-way delay: 32.272 ms

Loss rate: 0.40%

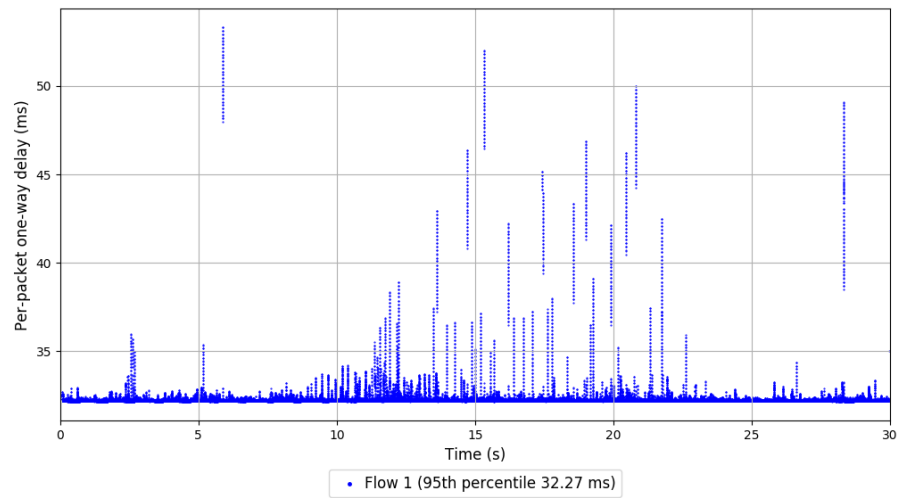
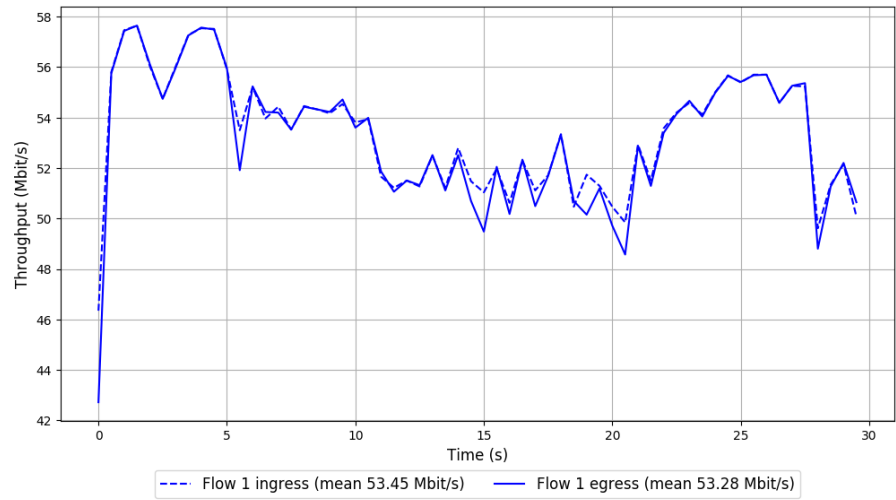
-- Flow 1:

Average throughput: 53.28 Mbit/s

95th percentile per-packet one-way delay: 32.272 ms

Loss rate: 0.40%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 22:07:40 +0000

End at: Sun, 16 Jul 2017 22:08:10 +0000

Local clock offset: 1.564 ms

Remote clock offset: -15.053 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:39:43 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.91 Mbit/s

95th percentile per-packet one-way delay: 50.493 ms

Loss rate: 0.41%

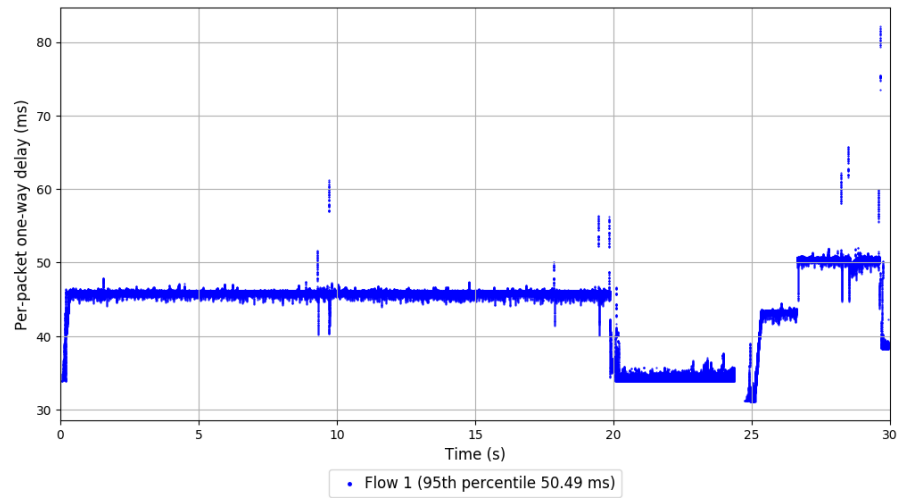
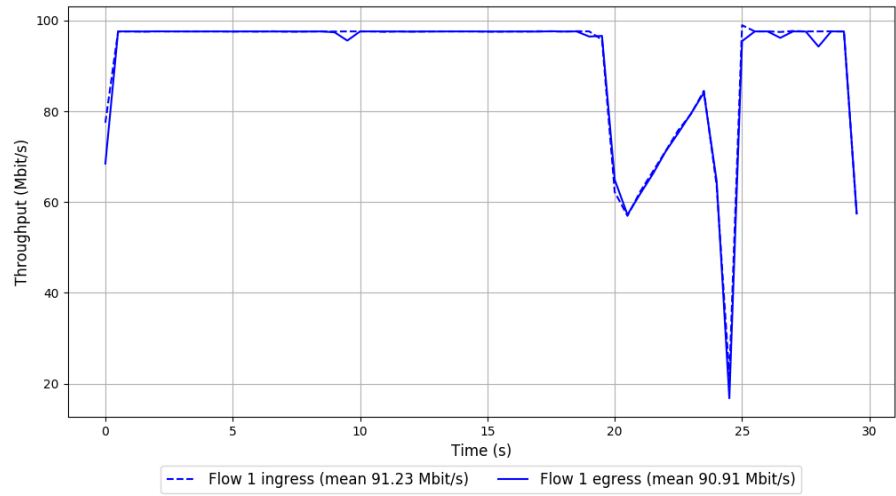
-- Flow 1:

Average throughput: 90.91 Mbit/s

95th percentile per-packet one-way delay: 50.493 ms

Loss rate: 0.41%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 22:25:16 +0000

End at: Sun, 16 Jul 2017 22:25:46 +0000

Local clock offset: 2.094 ms

Remote clock offset: -13.222 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:39:48 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.79 Mbit/s

95th percentile per-packet one-way delay: 43.945 ms

Loss rate: 0.35%

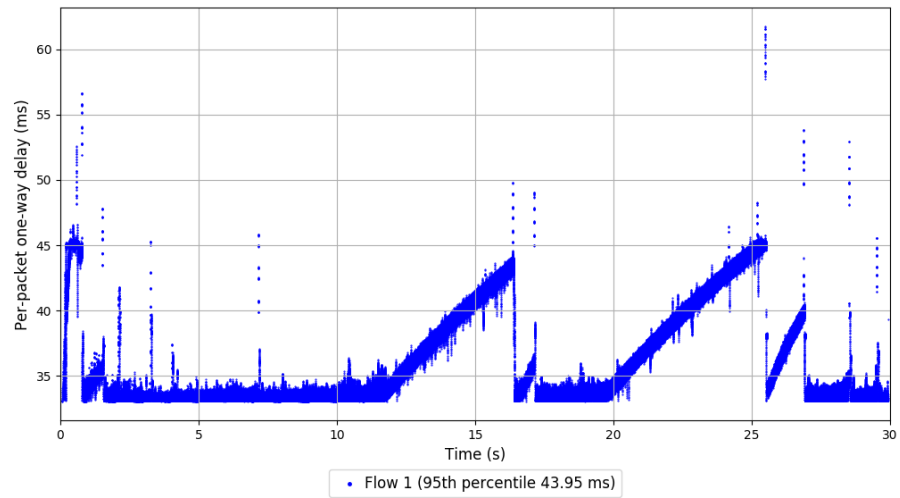
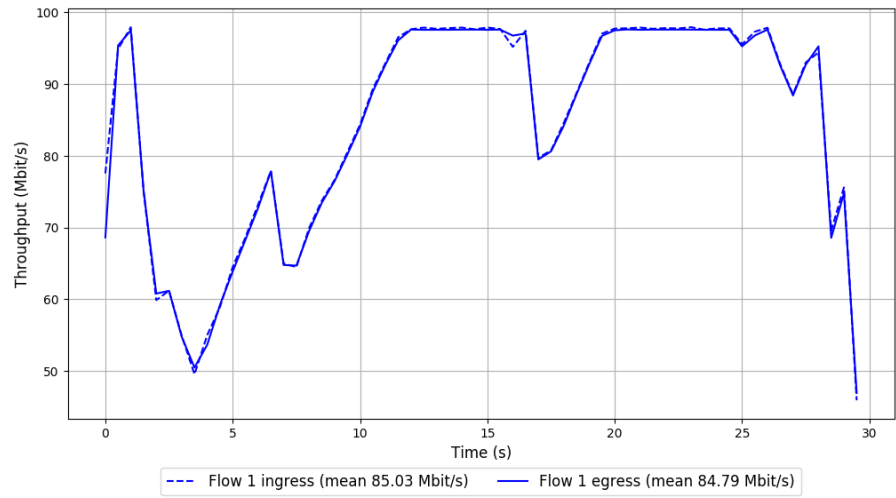
-- Flow 1:

Average throughput: 84.79 Mbit/s

95th percentile per-packet one-way delay: 43.945 ms

Loss rate: 0.35%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 22:42:49 +0000

End at: Sun, 16 Jul 2017 22:43:19 +0000

Local clock offset: 2.573 ms

Remote clock offset: -12.745 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:39:57 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.21 Mbit/s

95th percentile per-packet one-way delay: 46.205 ms

Loss rate: 0.17%

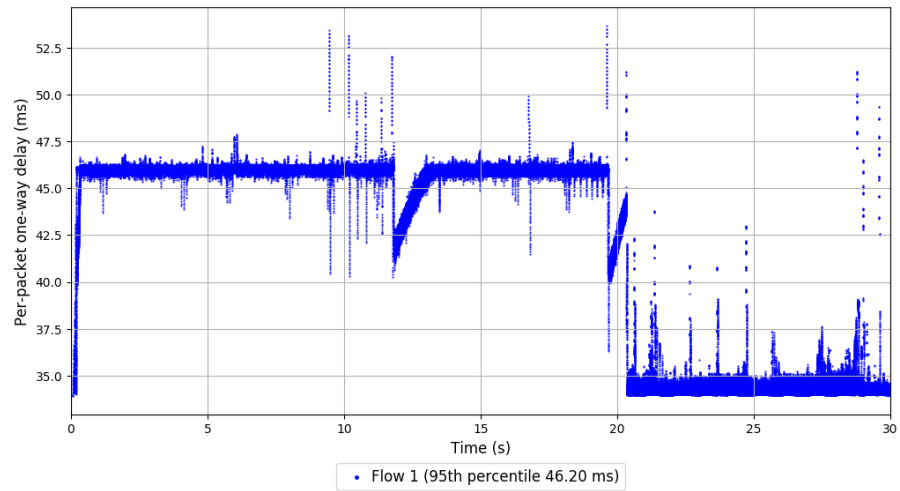
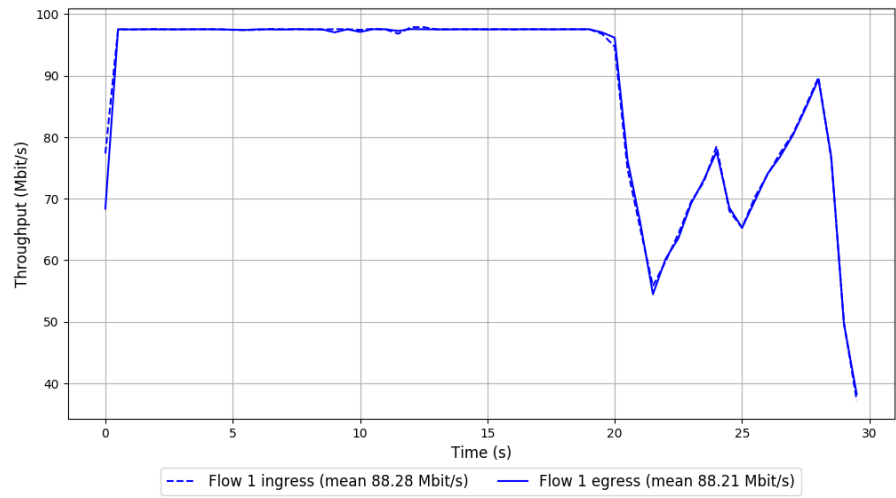
-- Flow 1:

Average throughput: 88.21 Mbit/s

95th percentile per-packet one-way delay: 46.205 ms

Loss rate: 0.17%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 23:00:15 +0000

End at: Sun, 16 Jul 2017 23:00:45 +0000

Local clock offset: 1.92 ms

Remote clock offset: -13.019 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:39:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.30 Mbit/s

95th percentile per-packet one-way delay: 36.272 ms

Loss rate: 0.36%

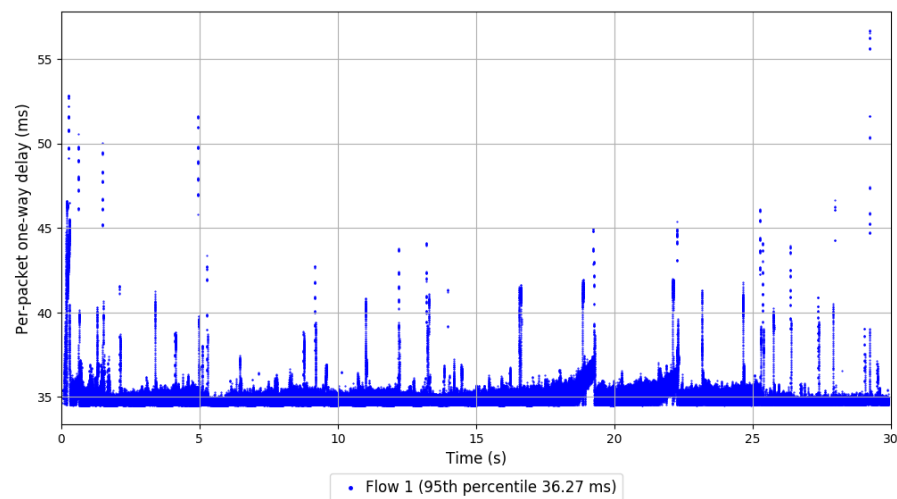
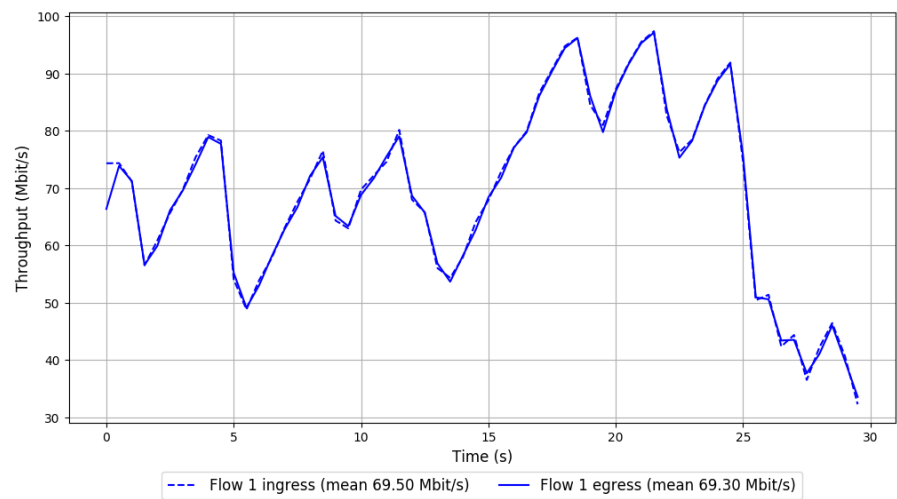
-- Flow 1:

Average throughput: 69.30 Mbit/s

95th percentile per-packet one-way delay: 36.272 ms

Loss rate: 0.36%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 23:17:46 +0000

End at: Sun, 16 Jul 2017 23:18:16 +0000

Local clock offset: -2.029 ms

Remote clock offset: -16.433 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:40:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 87.37 Mbit/s

95th percentile per-packet one-way delay: 47.019 ms

Loss rate: 0.38%

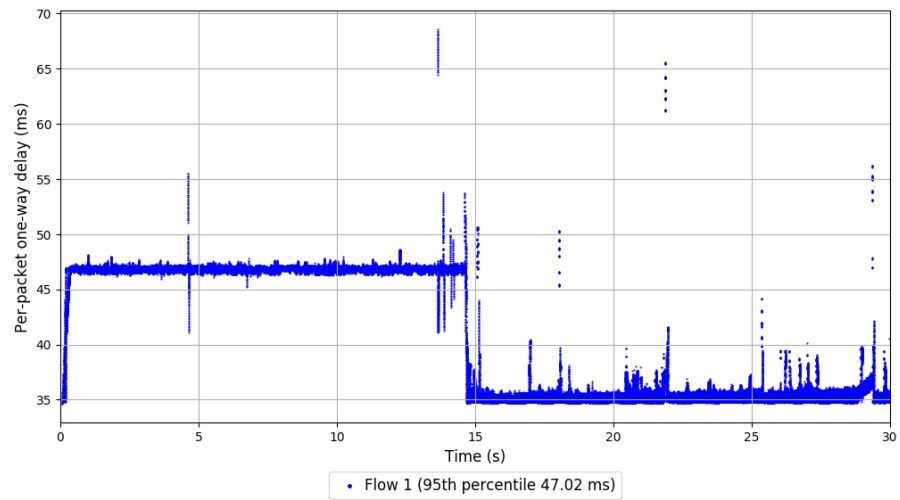
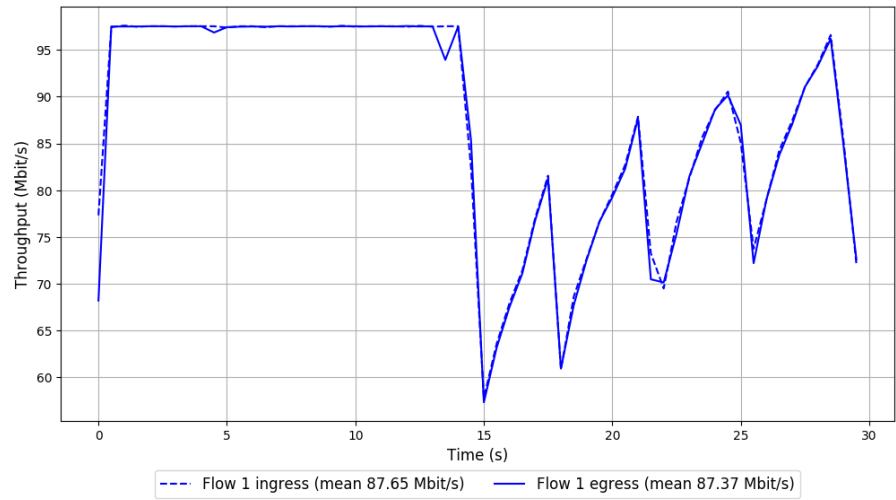
-- Flow 1:

Average throughput: 87.37 Mbit/s

95th percentile per-packet one-way delay: 47.019 ms

Loss rate: 0.38%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 23:35:19 +0000

End at: Sun, 16 Jul 2017 23:35:50 +0000

Local clock offset: 1.32 ms

Remote clock offset: -10.998 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:40:11 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.51 Mbit/s

95th percentile per-packet one-way delay: 45.370 ms

Loss rate: 0.18%

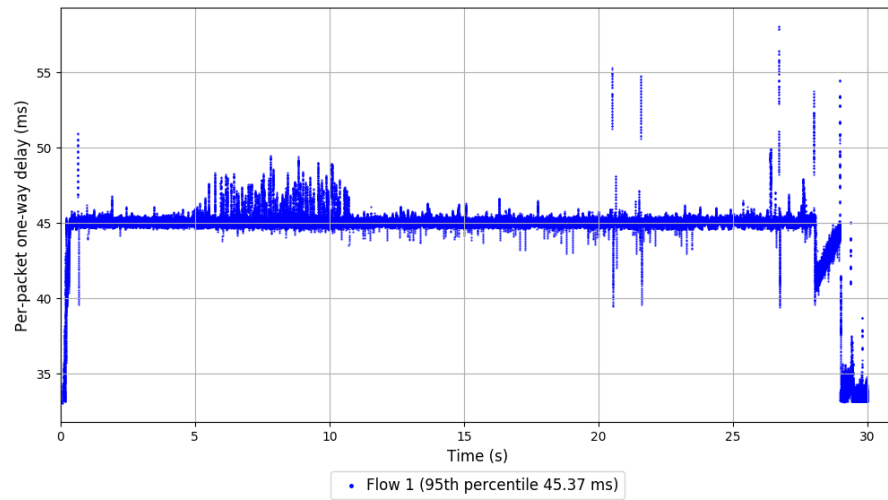
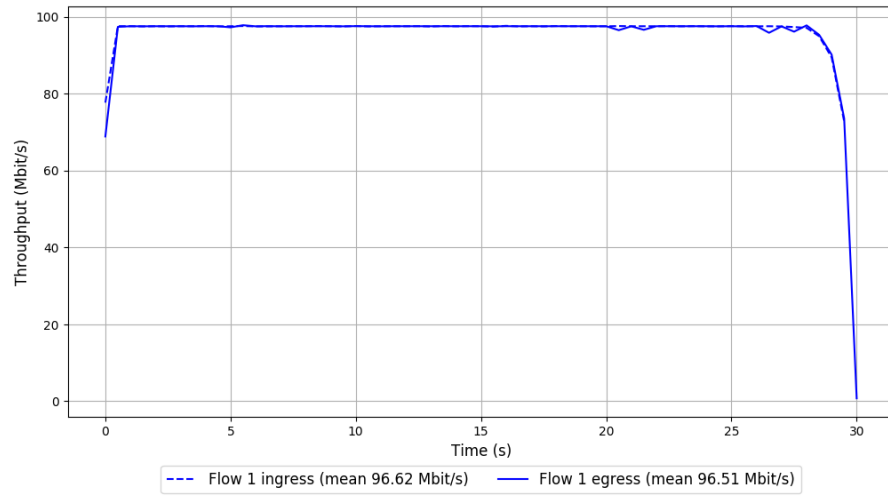
-- Flow 1:

Average throughput: 96.51 Mbit/s

95th percentile per-packet one-way delay: 45.370 ms

Loss rate: 0.18%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 23:52:48 +0000

End at: Sun, 16 Jul 2017 23:53:18 +0000

Local clock offset: 1.107 ms

Remote clock offset: -10.856 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:40:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.85 Mbit/s

95th percentile per-packet one-way delay: 44.944 ms

Loss rate: 0.17%

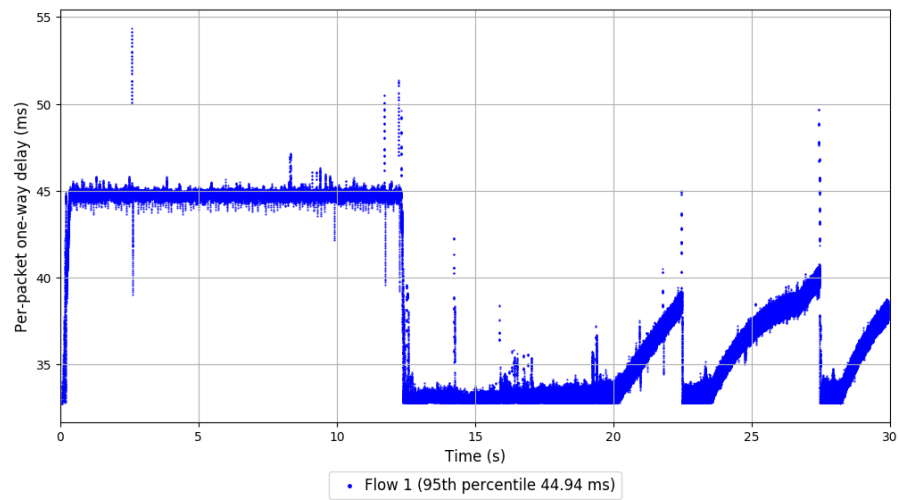
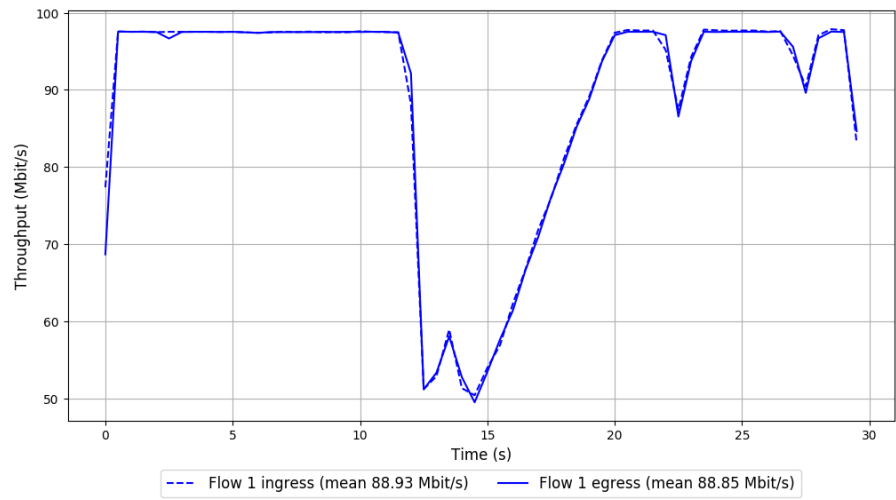
-- Flow 1:

Average throughput: 88.85 Mbit/s

95th percentile per-packet one-way delay: 44.944 ms

Loss rate: 0.17%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Mon, 17 Jul 2017 00:10:19 +0000

End at: Mon, 17 Jul 2017 00:10:49 +0000

Local clock offset: 1.083 ms

Remote clock offset: -11.16 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:40:23 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.81 Mbit/s

95th percentile per-packet one-way delay: 45.436 ms

Loss rate: 0.32%

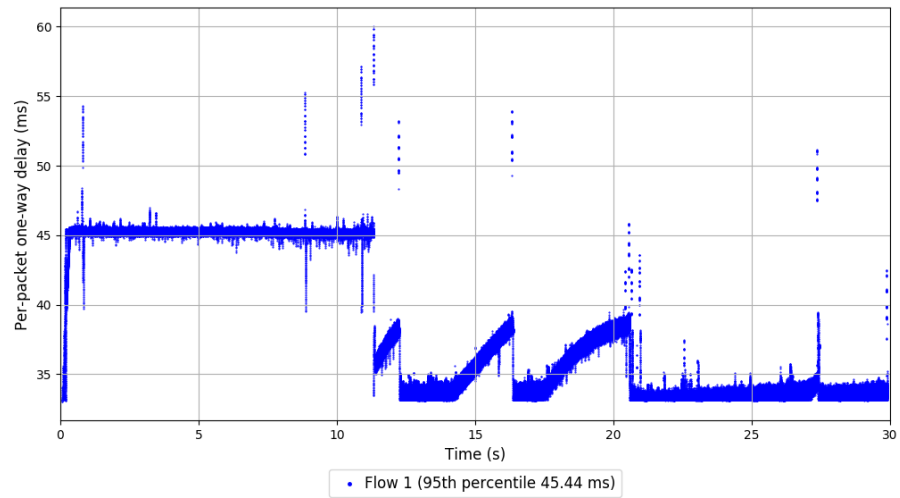
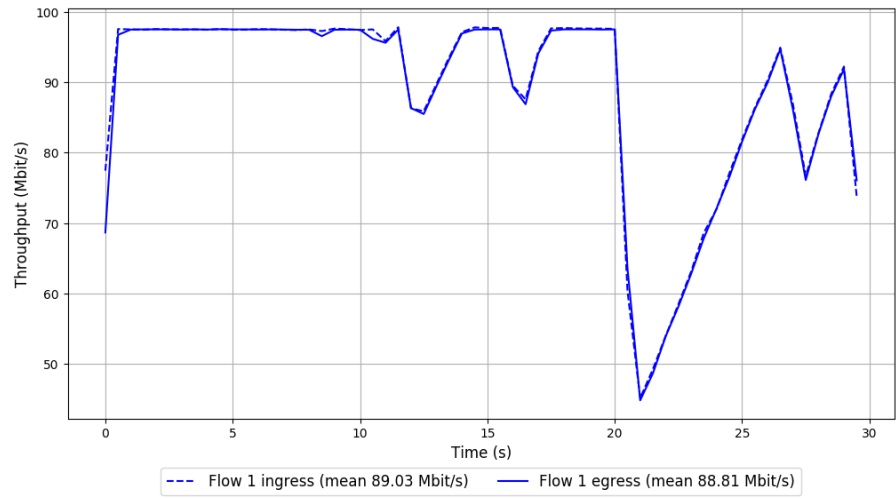
-- Flow 1:

Average throughput: 88.81 Mbit/s

95th percentile per-packet one-way delay: 45.436 ms

Loss rate: 0.32%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Mon, 17 Jul 2017 00:27:50 +0000

End at: Mon, 17 Jul 2017 00:28:20 +0000

Local clock offset: 0.699 ms

Remote clock offset: -11.319 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:40:31 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.86 Mbit/s

95th percentile per-packet one-way delay: 45.361 ms

Loss rate: 0.27%

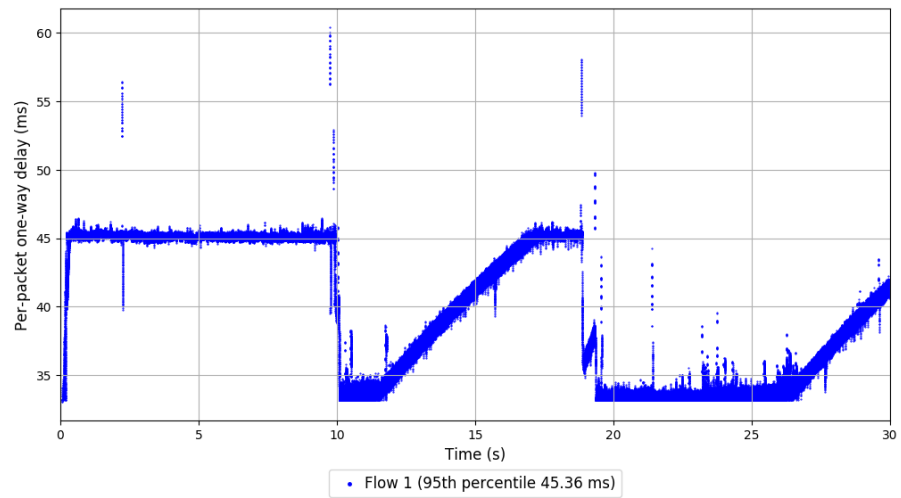
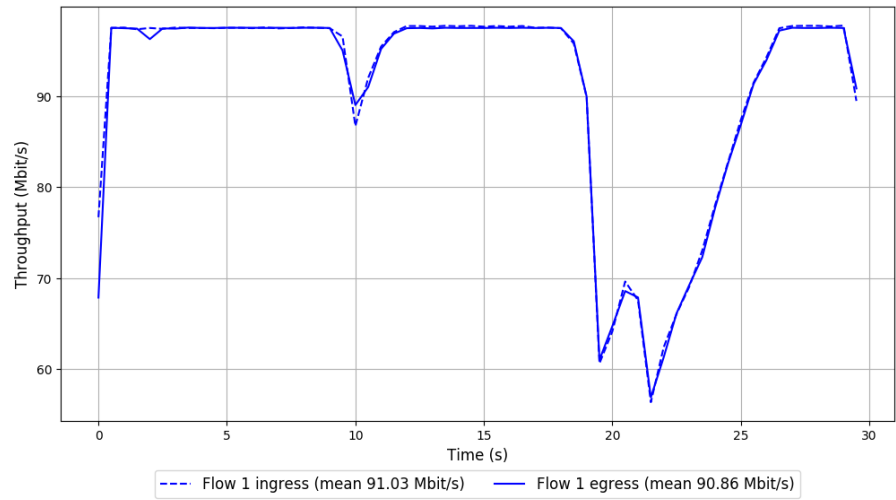
-- Flow 1:

Average throughput: 90.86 Mbit/s

95th percentile per-packet one-way delay: 45.361 ms

Loss rate: 0.27%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Mon, 17 Jul 2017 00:45:18 +0000

End at: Mon, 17 Jul 2017 00:45:48 +0000

Local clock offset: 1.465 ms

Remote clock offset: -11.163 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:40:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.79 Mbit/s

95th percentile per-packet one-way delay: 46.329 ms

Loss rate: 0.26%

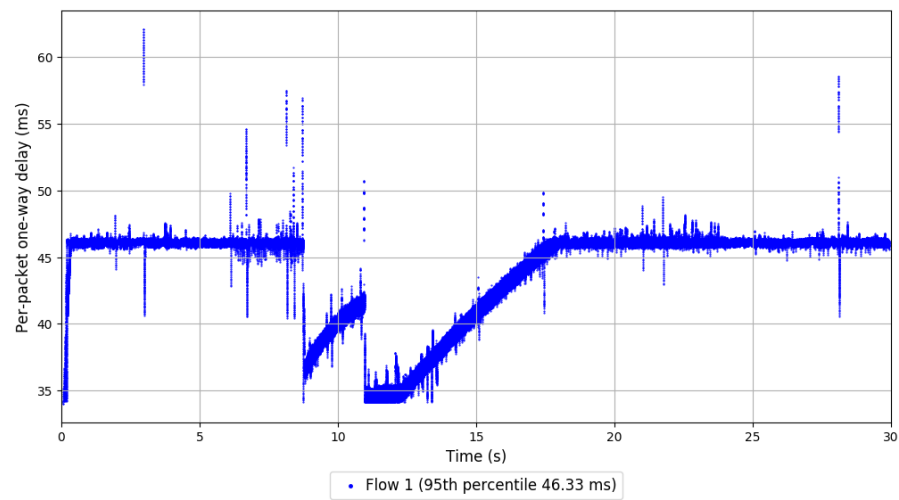
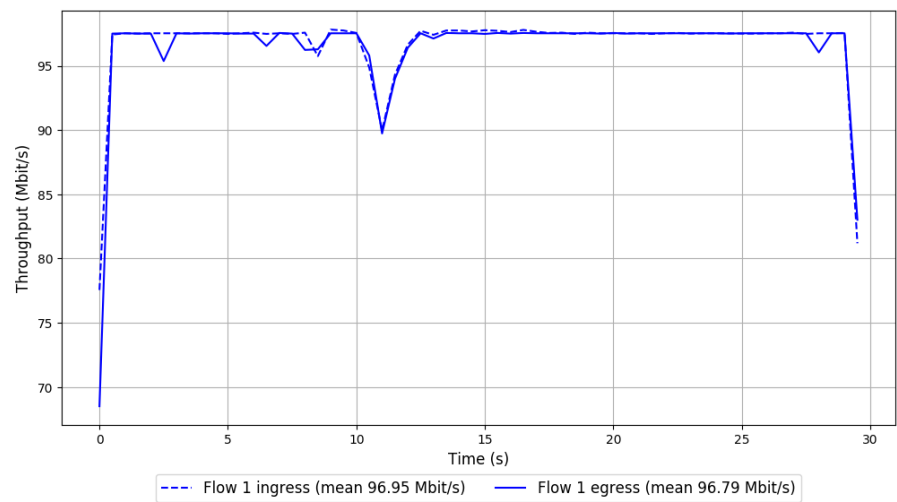
-- Flow 1:

Average throughput: 96.79 Mbit/s

95th percentile per-packet one-way delay: 46.329 ms

Loss rate: 0.26%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 22:09:59 +0000

End at: Sun, 16 Jul 2017 22:10:29 +0000

Local clock offset: 1.486 ms

Remote clock offset: -14.329 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:40:39 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.81 Mbit/s

95th percentile per-packet one-way delay: 33.289 ms

Loss rate: 0.14%

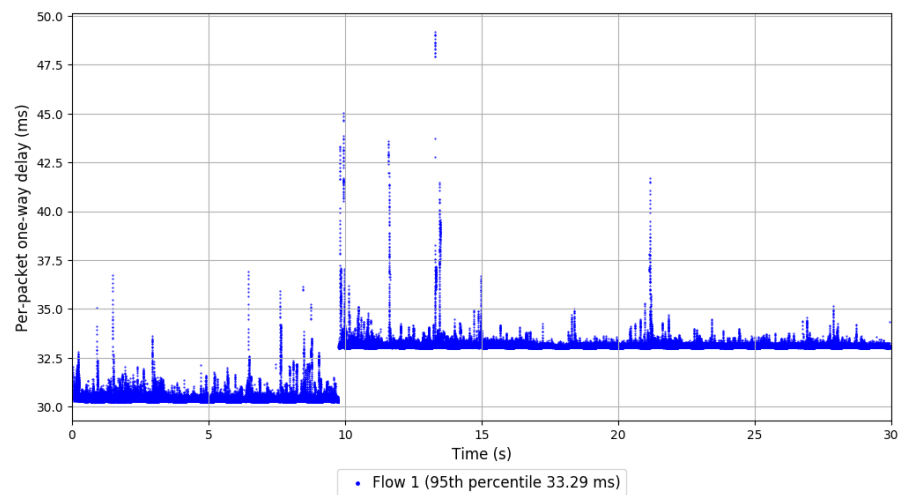
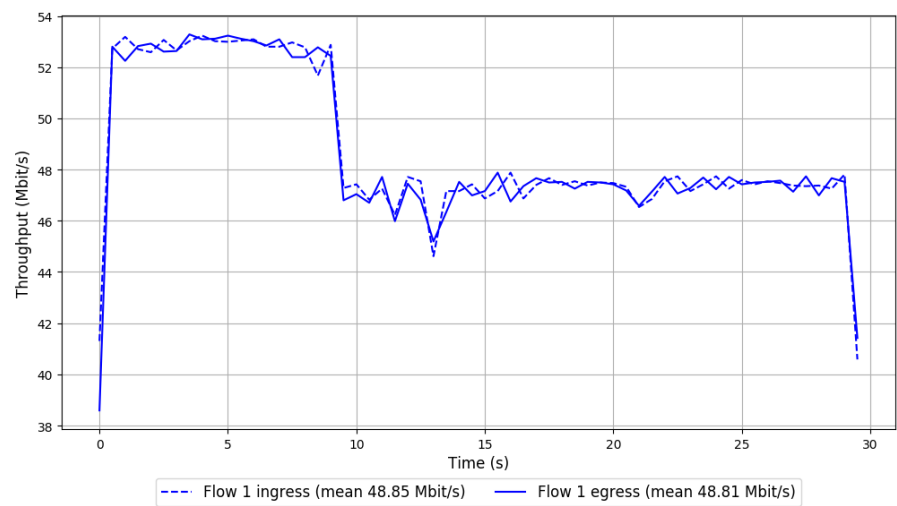
-- Flow 1:

Average throughput: 48.81 Mbit/s

95th percentile per-packet one-way delay: 33.289 ms

Loss rate: 0.14%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 22:27:33 +0000

End at: Sun, 16 Jul 2017 22:28:03 +0000

Local clock offset: 3.122 ms

Remote clock offset: -14.056 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:40:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.01 Mbit/s

95th percentile per-packet one-way delay: 35.451 ms

Loss rate: 0.14%

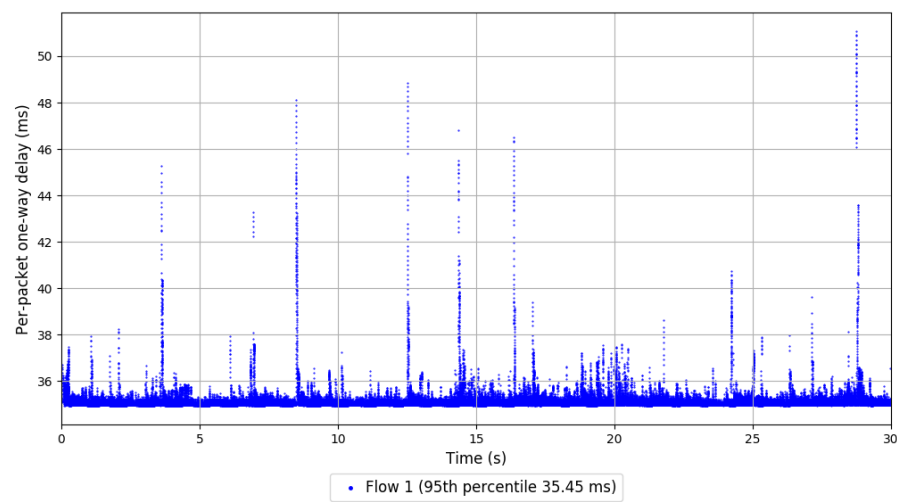
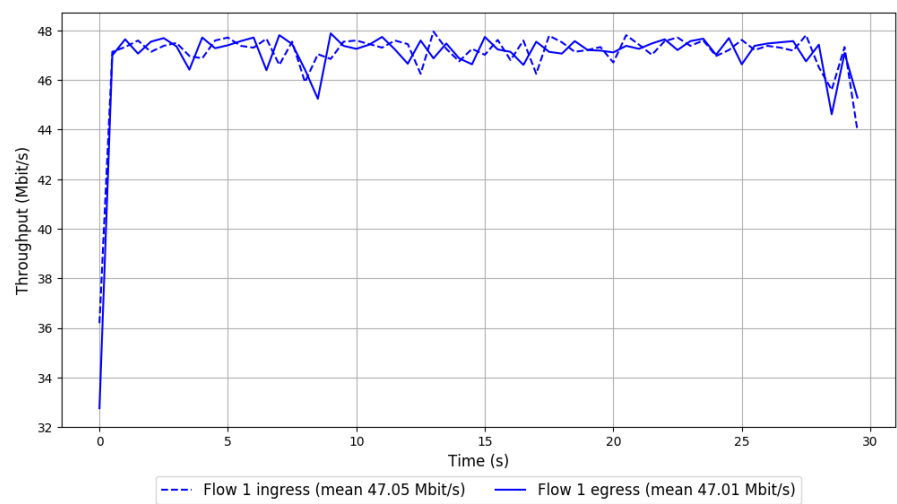
-- Flow 1:

Average throughput: 47.01 Mbit/s

95th percentile per-packet one-way delay: 35.451 ms

Loss rate: 0.14%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 22:45:05 +0000

End at: Sun, 16 Jul 2017 22:45:35 +0000

Local clock offset: 1.353 ms

Remote clock offset: -13.358 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:40:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.92 Mbit/s

95th percentile per-packet one-way delay: 33.881 ms

Loss rate: 0.20%

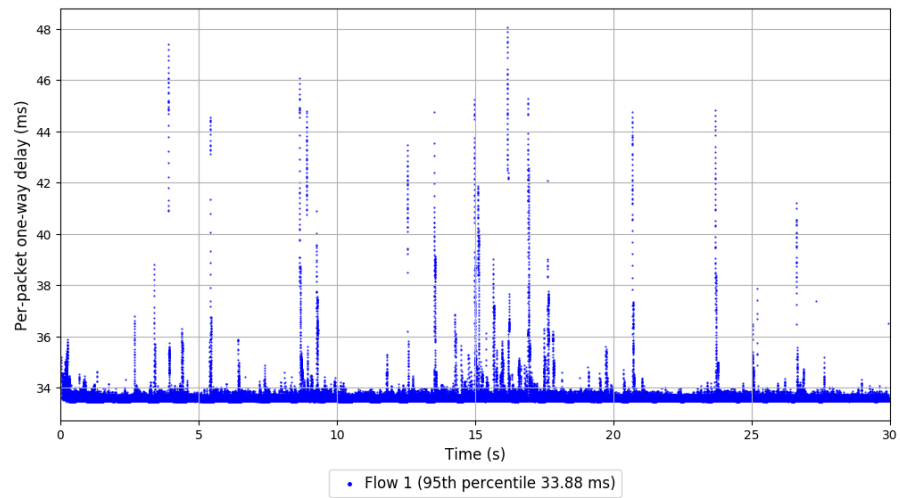
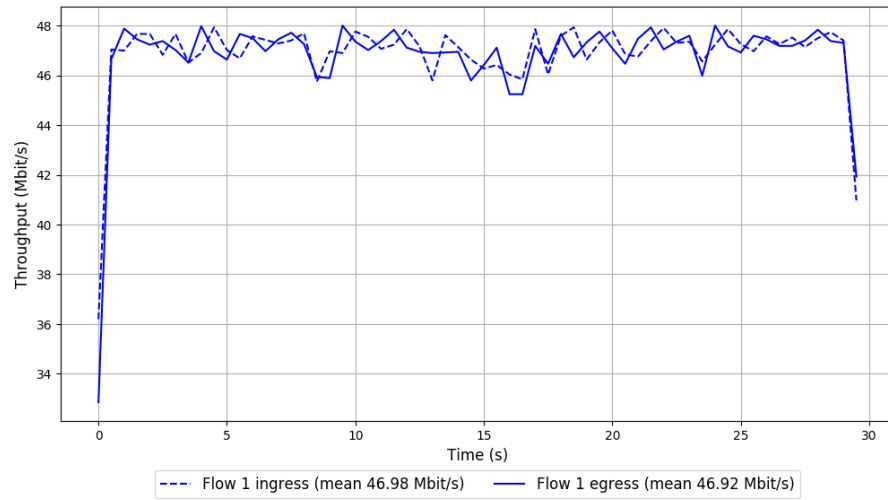
-- Flow 1:

Average throughput: 46.92 Mbit/s

95th percentile per-packet one-way delay: 33.881 ms

Loss rate: 0.20%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 23:02:28 +0000

End at: Sun, 16 Jul 2017 23:02:58 +0000

Local clock offset: -0.556 ms

Remote clock offset: -12.19 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:40:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.42 Mbit/s

95th percentile per-packet one-way delay: 32.008 ms

Loss rate: 0.19%

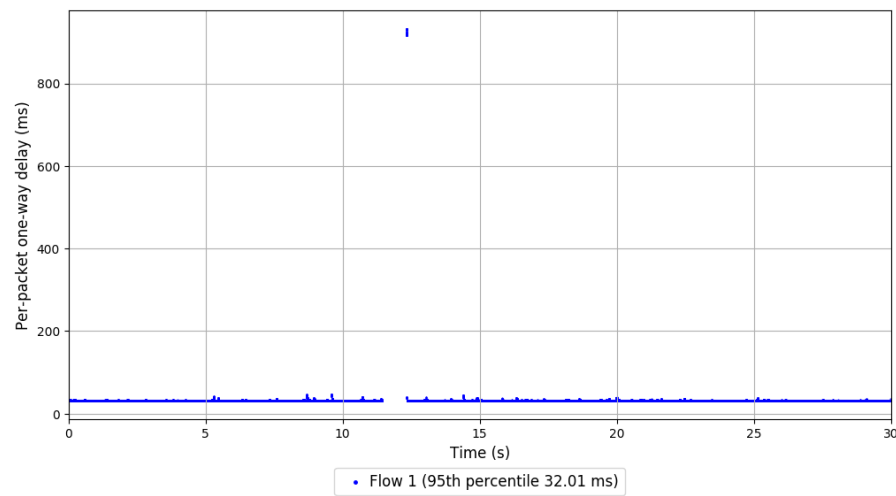
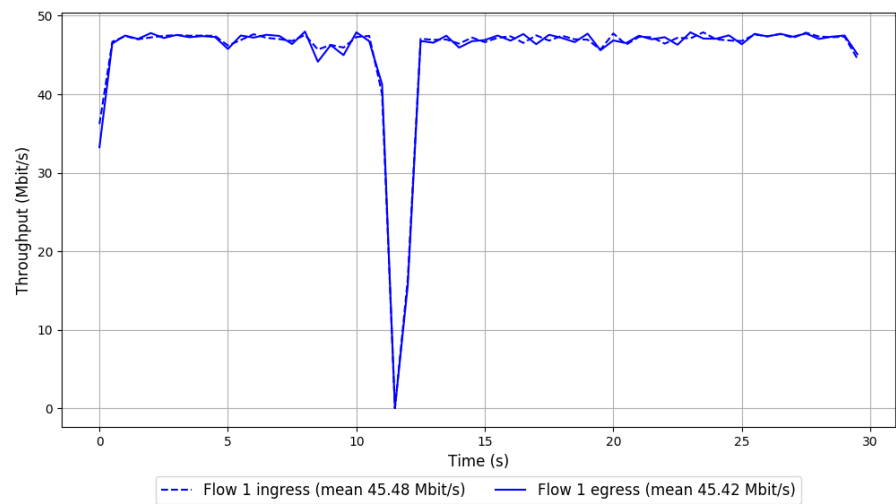
-- Flow 1:

Average throughput: 45.42 Mbit/s

95th percentile per-packet one-way delay: 32.008 ms

Loss rate: 0.19%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 23:20:02 +0000

End at: Sun, 16 Jul 2017 23:20:32 +0000

Local clock offset: 1.742 ms

Remote clock offset: -11.758 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:40:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.17 Mbit/s

95th percentile per-packet one-way delay: 34.247 ms

Loss rate: 0.14%

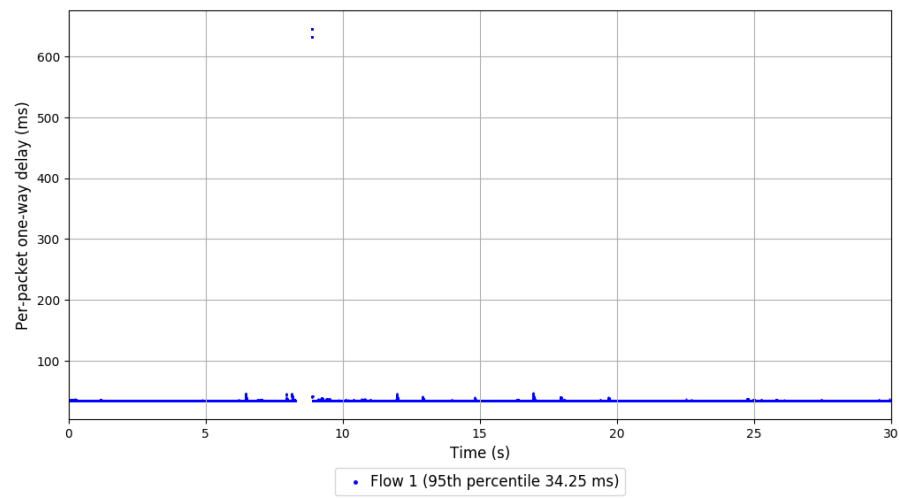
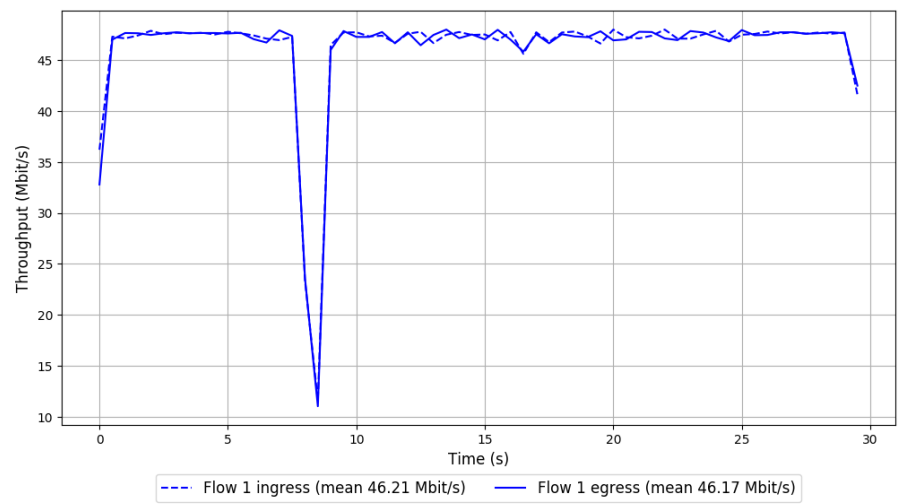
-- Flow 1:

Average throughput: 46.17 Mbit/s

95th percentile per-packet one-way delay: 34.247 ms

Loss rate: 0.14%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

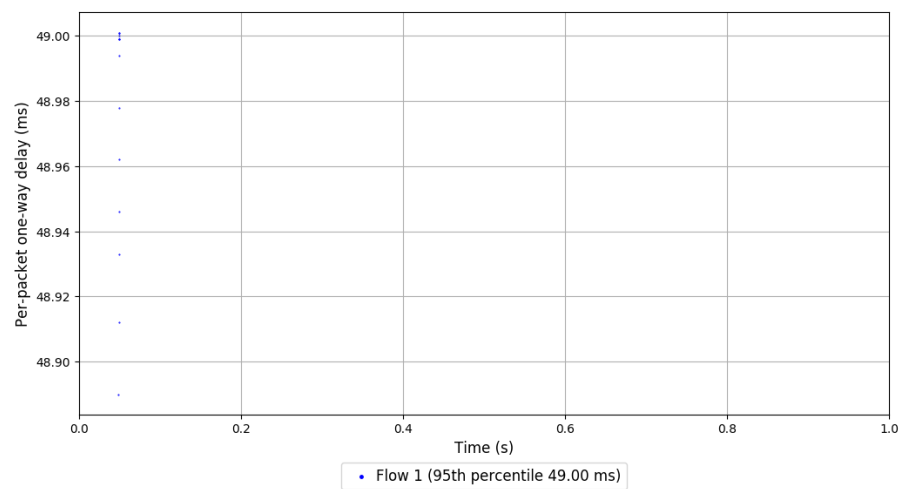
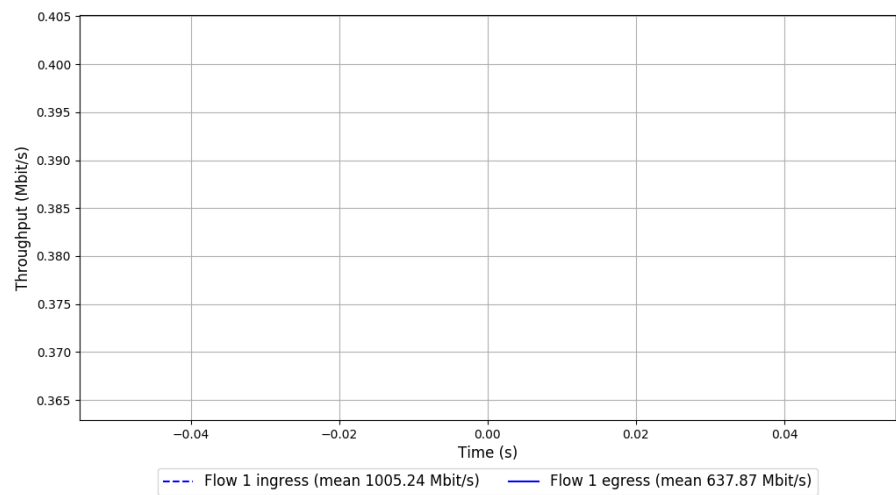
Start at: Sun, 16 Jul 2017 23:37:37 +0000

End at: Sun, 16 Jul 2017 23:38:07 +0000

Local clock offset: 1.707 ms

Remote clock offset: -10.642 ms

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

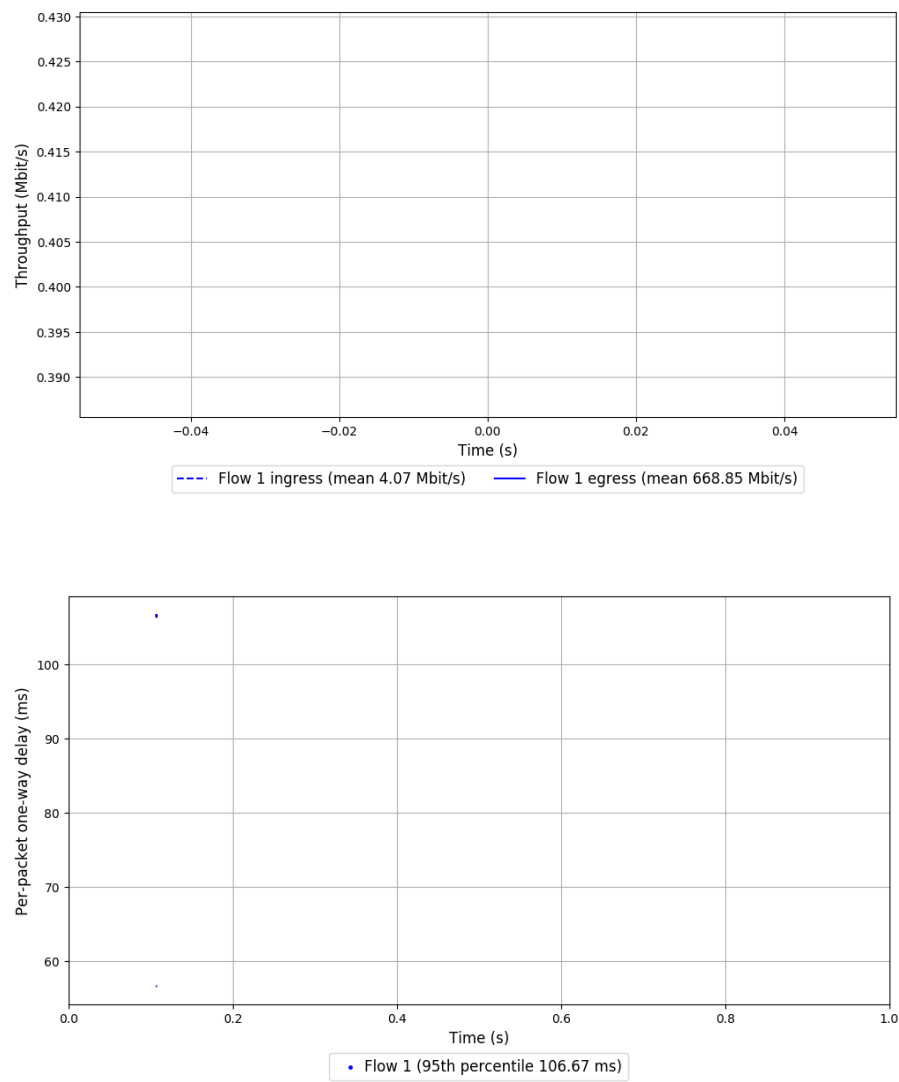
Start at: Sun, 16 Jul 2017 23:55:05 +0000

End at: Sun, 16 Jul 2017 23:55:35 +0000

Local clock offset: 1.935 ms

Remote clock offset: -10.76 ms

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

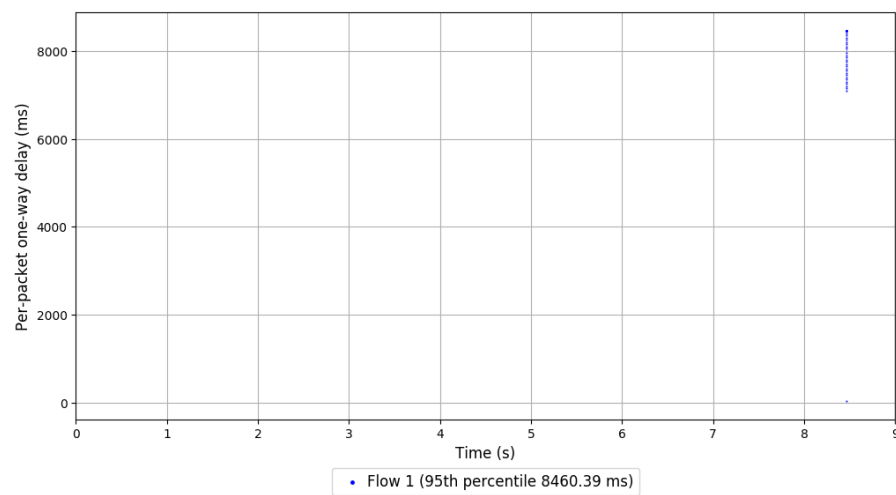
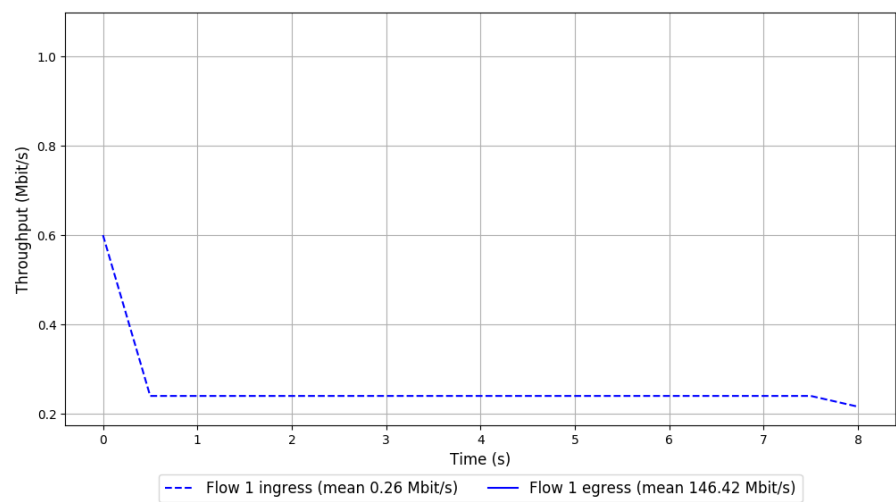
Start at: Mon, 17 Jul 2017 00:12:35 +0000

End at: Mon, 17 Jul 2017 00:13:05 +0000

Local clock offset: 0.573 ms

Remote clock offset: -8.943 ms

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

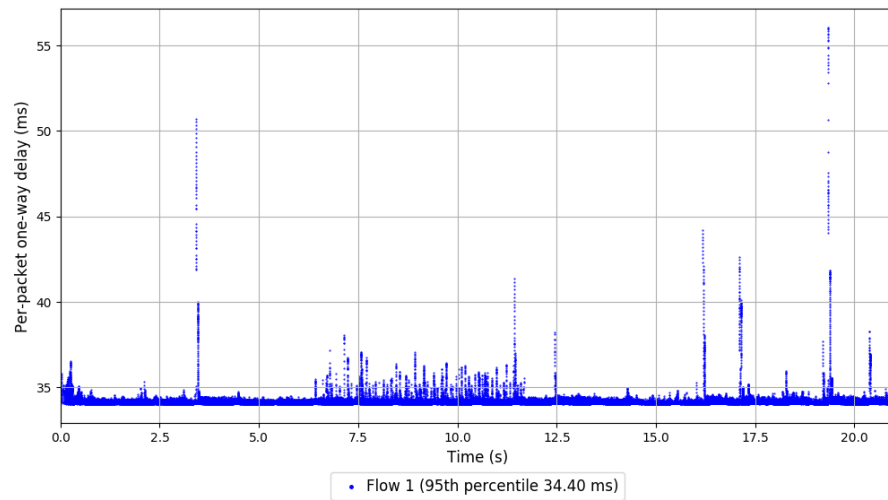
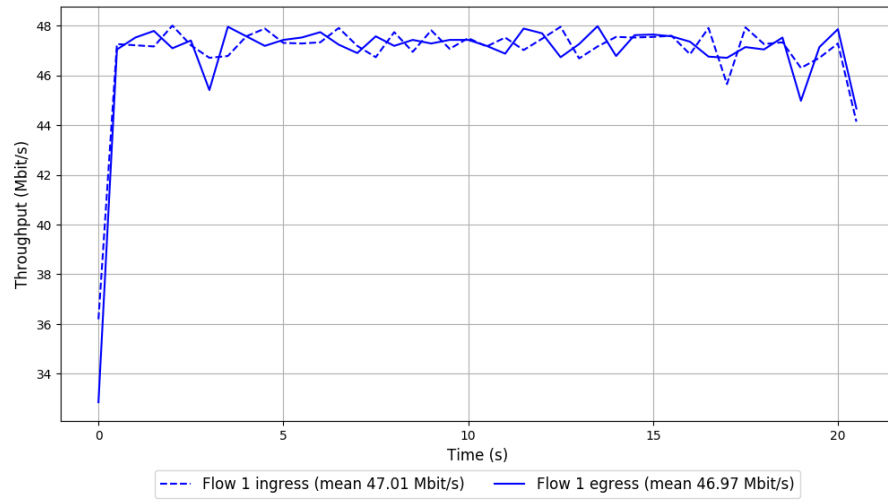
Start at: Mon, 17 Jul 2017 00:30:08 +0000

End at: Mon, 17 Jul 2017 00:30:38 +0000

Local clock offset: 1.9 ms

Remote clock offset: -10.885 ms

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Mon, 17 Jul 2017 00:47:33 +0000

End at: Mon, 17 Jul 2017 00:48:03 +0000

Local clock offset: 0.841 ms

Remote clock offset: -11.645 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:41:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.01 Mbit/s

95th percentile per-packet one-way delay: 34.491 ms

Loss rate: 0.23%

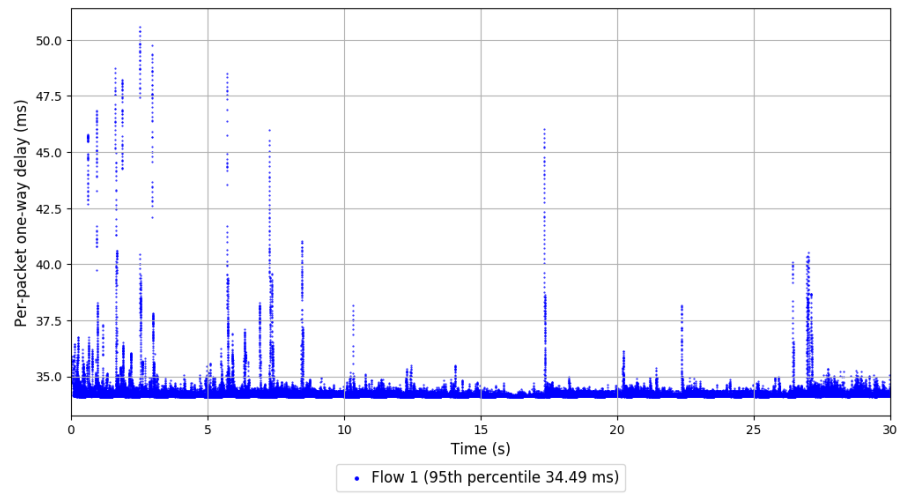
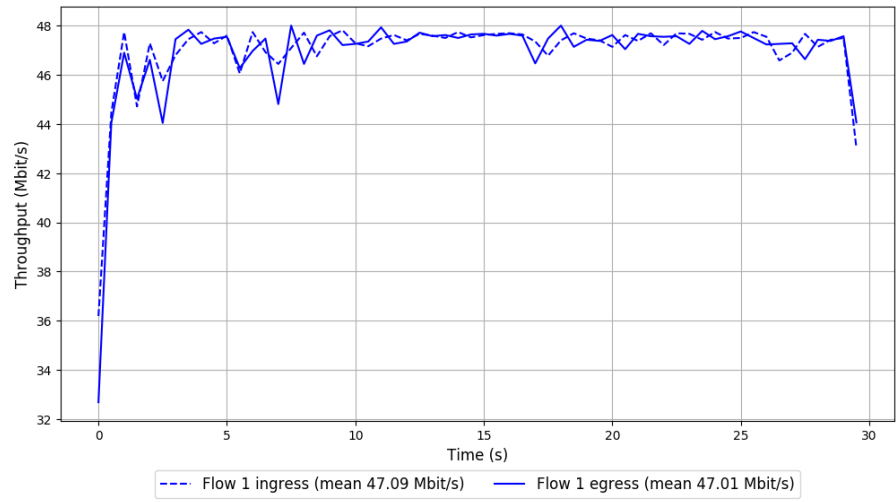
-- Flow 1:

Average throughput: 47.01 Mbit/s

95th percentile per-packet one-way delay: 34.491 ms

Loss rate: 0.23%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 22:18:17 +0000

End at: Sun, 16 Jul 2017 22:18:47 +0000

Local clock offset: 1.8 ms

Remote clock offset: -14.593 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:41:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.42 Mbit/s

95th percentile per-packet one-way delay: 45.849 ms

Loss rate: 0.32%

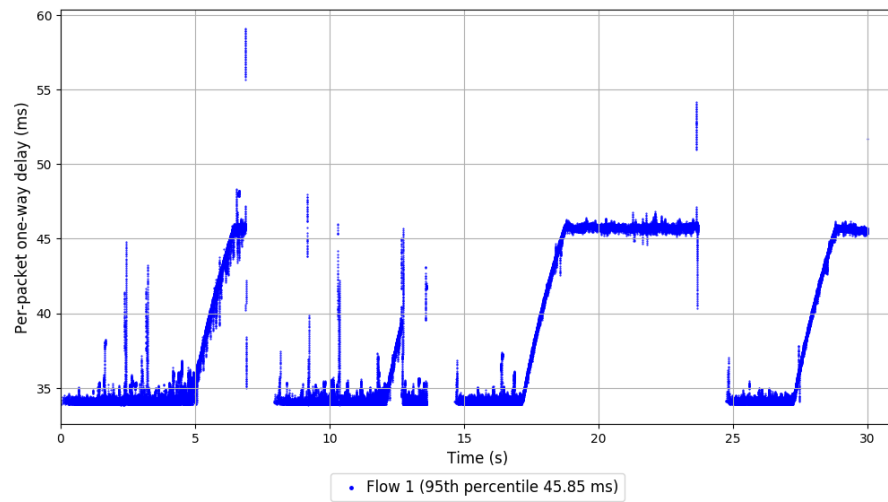
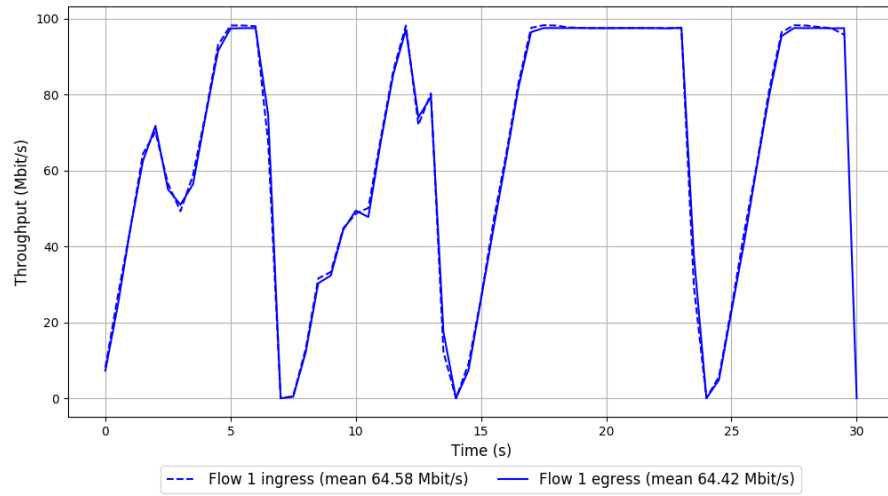
-- Flow 1:

Average throughput: 64.42 Mbit/s

95th percentile per-packet one-way delay: 45.849 ms

Loss rate: 0.32%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 22:35:46 +0000

End at: Sun, 16 Jul 2017 22:36:16 +0000

Local clock offset: 2.63 ms

Remote clock offset: -13.345 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:41:10 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.51 Mbit/s

95th percentile per-packet one-way delay: 46.115 ms

Loss rate: 0.25%

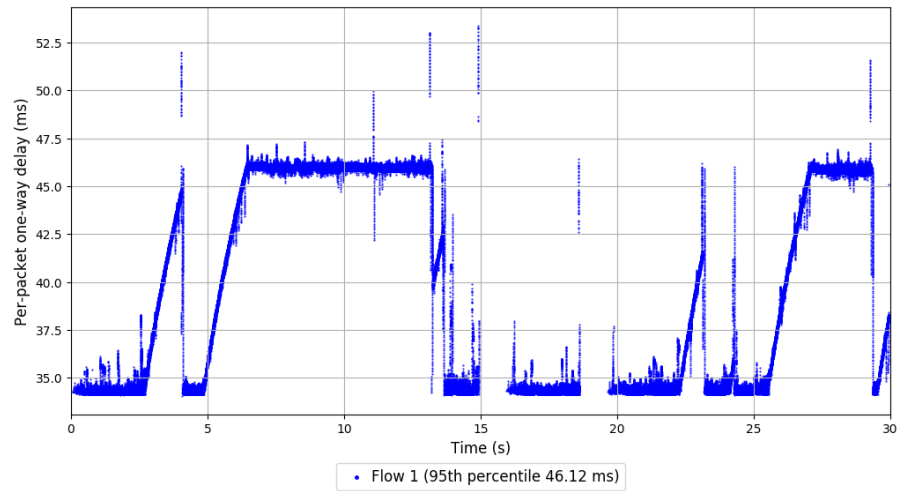
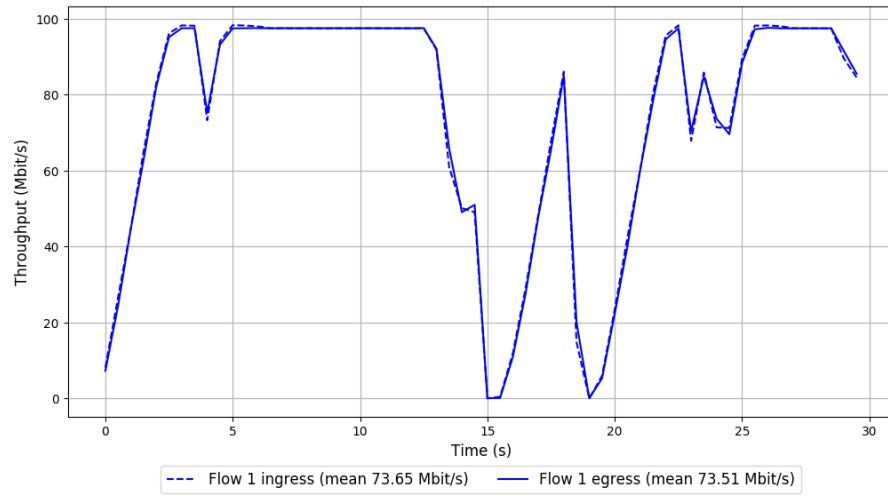
-- Flow 1:

Average throughput: 73.51 Mbit/s

95th percentile per-packet one-way delay: 46.115 ms

Loss rate: 0.25%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 22:53:11 +0000

End at: Sun, 16 Jul 2017 22:53:41 +0000

Local clock offset: 2.425 ms

Remote clock offset: -12.479 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:41:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.75 Mbit/s

95th percentile per-packet one-way delay: 45.895 ms

Loss rate: 0.23%

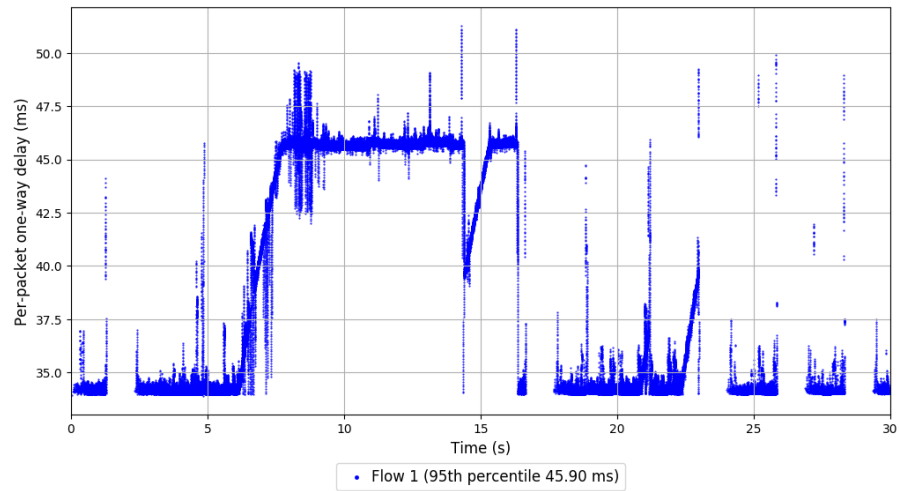
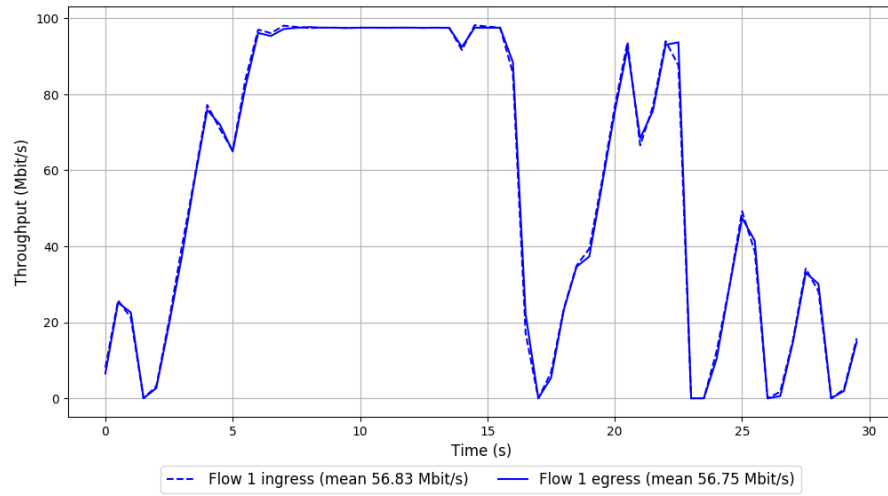
-- Flow 1:

Average throughput: 56.75 Mbit/s

95th percentile per-packet one-way delay: 45.895 ms

Loss rate: 0.23%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 23:10:42 +0000

End at: Sun, 16 Jul 2017 23:11:12 +0000

Local clock offset: -0.448 ms

Remote clock offset: -10.8 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:41:20 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.95 Mbit/s

95th percentile per-packet one-way delay: 42.560 ms

Loss rate: 0.12%

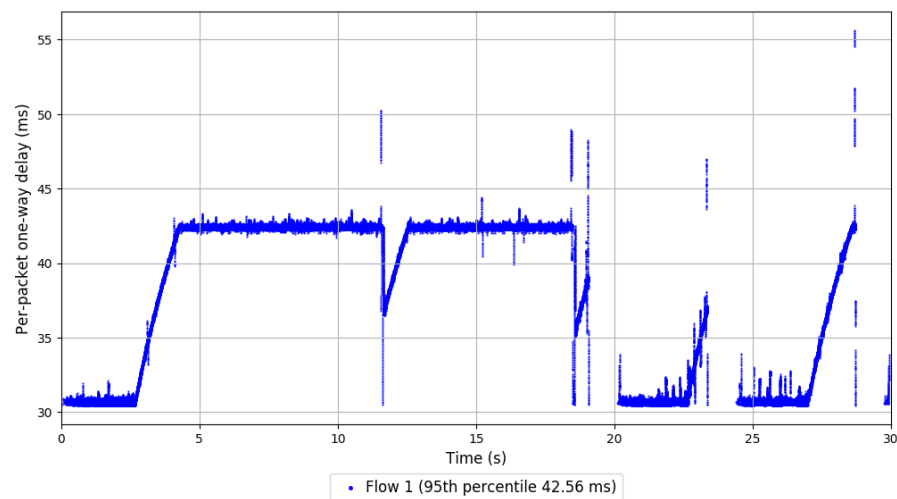
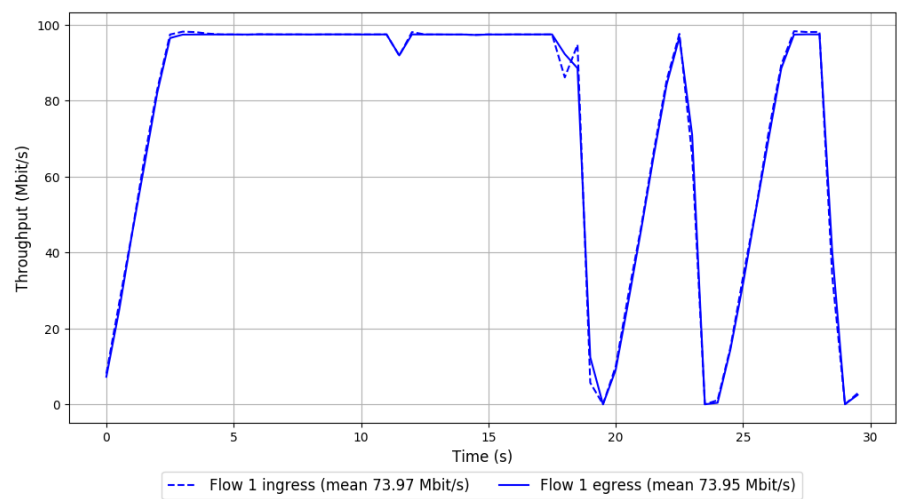
-- Flow 1:

Average throughput: 73.95 Mbit/s

95th percentile per-packet one-way delay: 42.560 ms

Loss rate: 0.12%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 23:28:14 +0000

End at: Sun, 16 Jul 2017 23:28:44 +0000

Local clock offset: 1.898 ms

Remote clock offset: -10.392 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:41:25 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.01 Mbit/s

95th percentile per-packet one-way delay: 45.075 ms

Loss rate: 0.18%

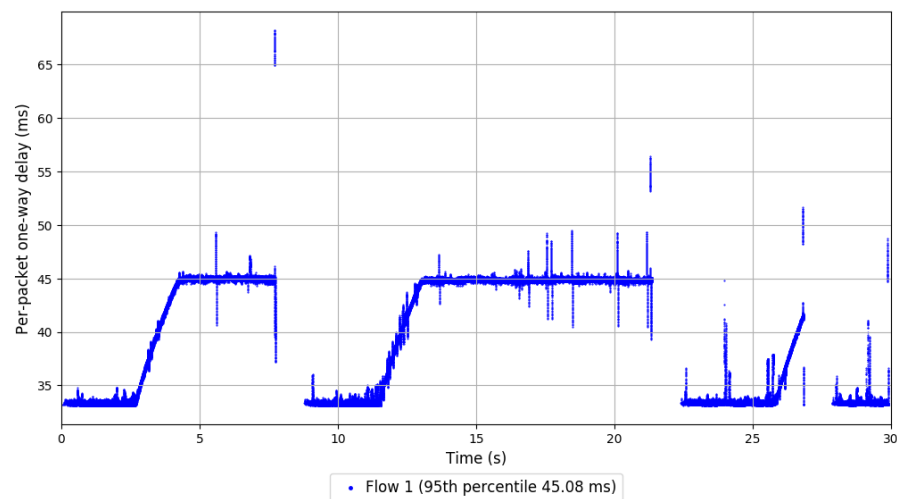
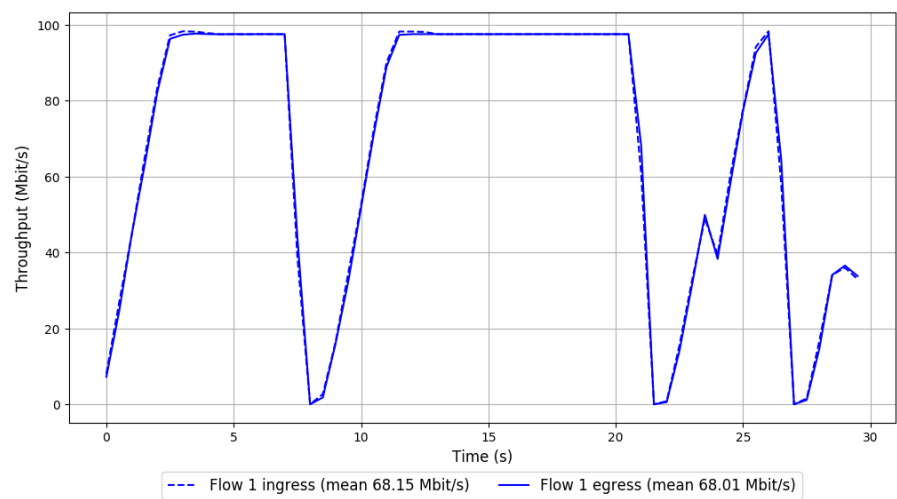
-- Flow 1:

Average throughput: 68.01 Mbit/s

95th percentile per-packet one-way delay: 45.075 ms

Loss rate: 0.18%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 23:45:43 +0000

End at: Sun, 16 Jul 2017 23:46:13 +0000

Local clock offset: 2.904 ms

Remote clock offset: -11.601 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:41:29 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.86 Mbit/s

95th percentile per-packet one-way delay: 47.312 ms

Loss rate: 0.23%

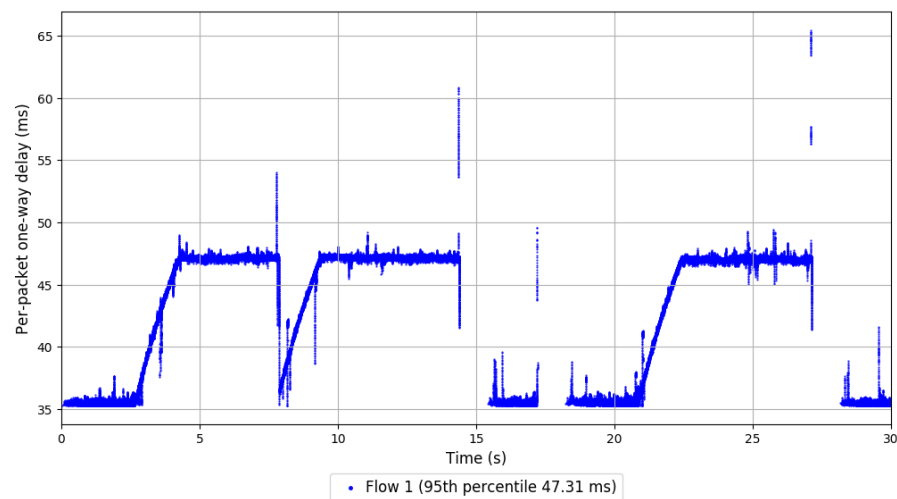
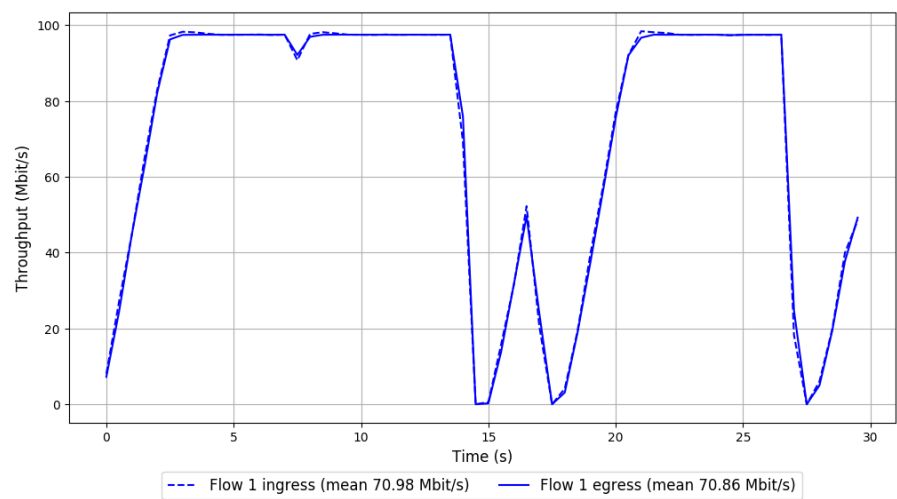
-- Flow 1:

Average throughput: 70.86 Mbit/s

95th percentile per-packet one-way delay: 47.312 ms

Loss rate: 0.23%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Mon, 17 Jul 2017 00:03:13 +0000

End at: Mon, 17 Jul 2017 00:03:43 +0000

Local clock offset: 1.783 ms

Remote clock offset: -10.454 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:41:34 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.51 Mbit/s

95th percentile per-packet one-way delay: 45.060 ms

Loss rate: 0.25%

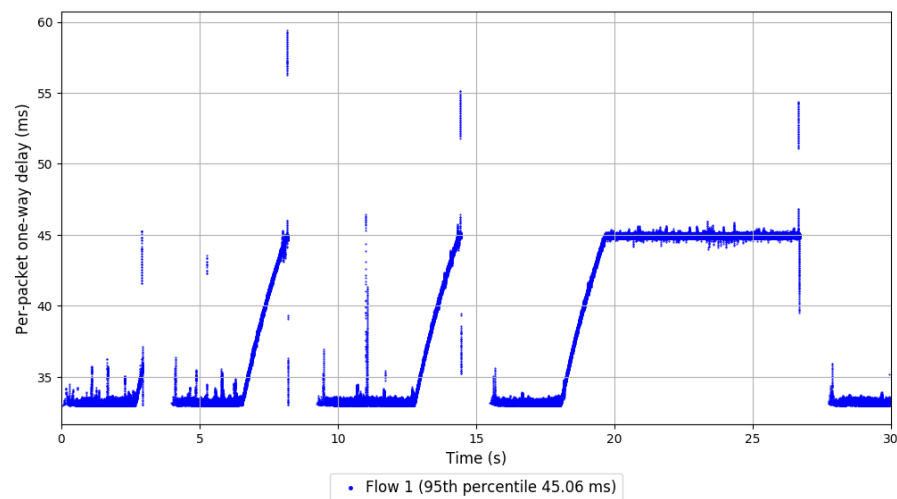
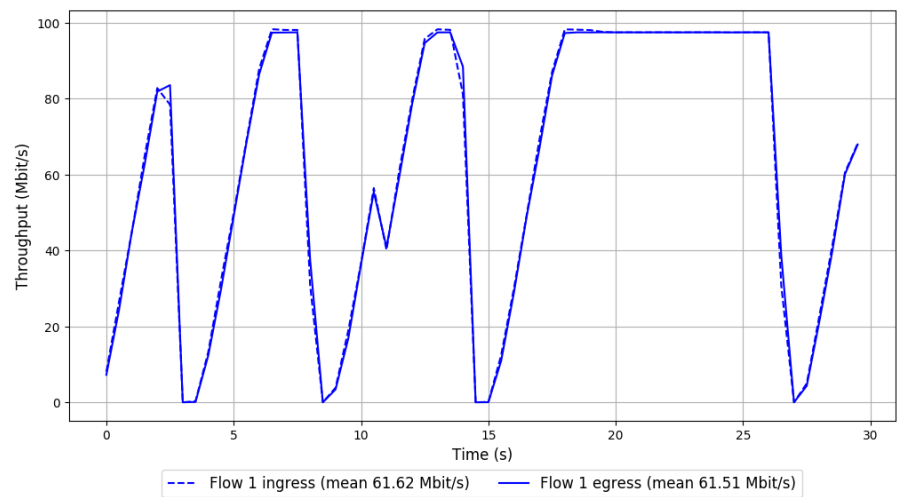
-- Flow 1:

Average throughput: 61.51 Mbit/s

95th percentile per-packet one-way delay: 45.060 ms

Loss rate: 0.25%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Mon, 17 Jul 2017 00:20:42 +0000

End at: Mon, 17 Jul 2017 00:21:12 +0000

Local clock offset: -0.88 ms

Remote clock offset: -11.443 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:41:39 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.86 Mbit/s

95th percentile per-packet one-way delay: 43.475 ms

Loss rate: 0.17%

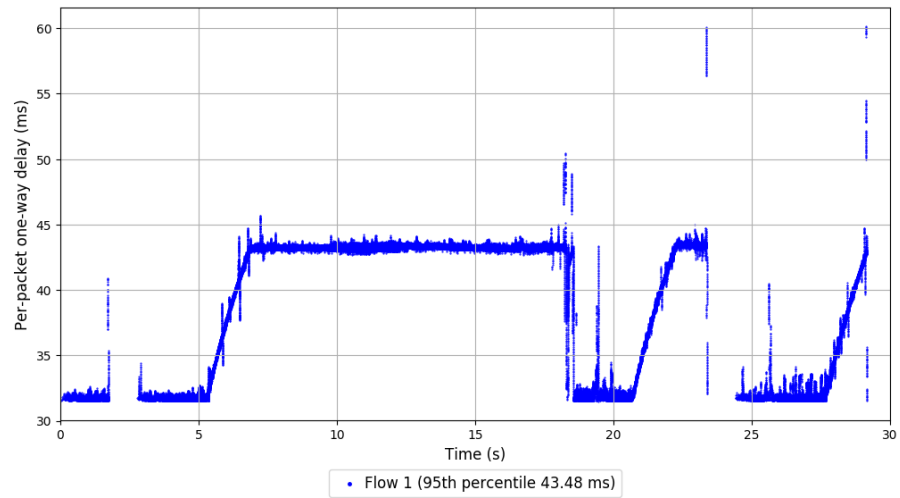
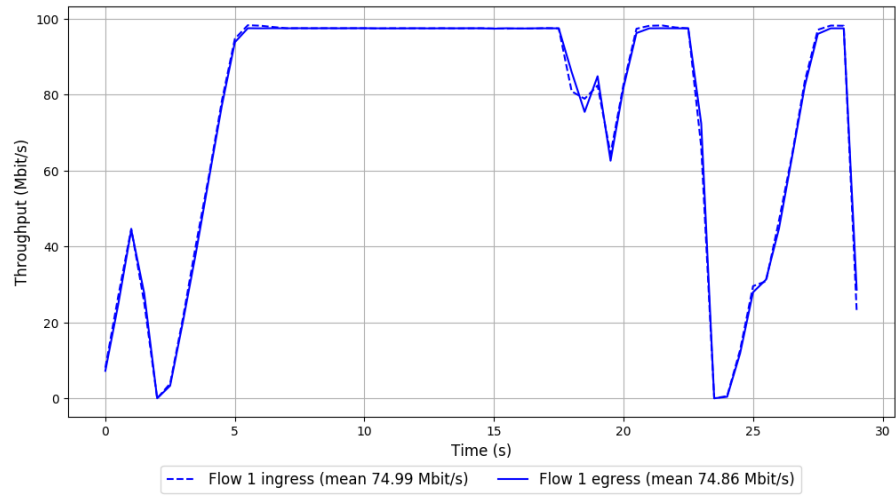
-- Flow 1:

Average throughput: 74.86 Mbit/s

95th percentile per-packet one-way delay: 43.475 ms

Loss rate: 0.17%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Mon, 17 Jul 2017 00:38:12 +0000

End at: Mon, 17 Jul 2017 00:38:42 +0000

Local clock offset: 1.028 ms

Remote clock offset: -10.889 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:41:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.63 Mbit/s

95th percentile per-packet one-way delay: 45.327 ms

Loss rate: 0.17%

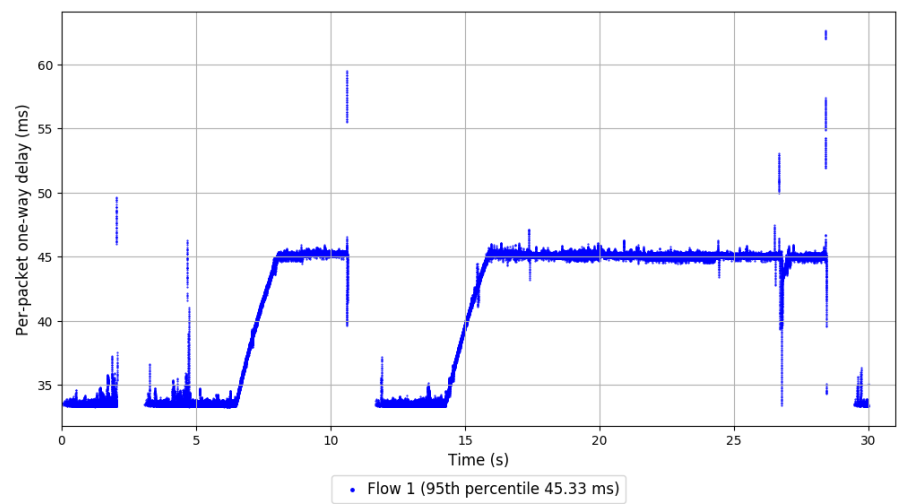
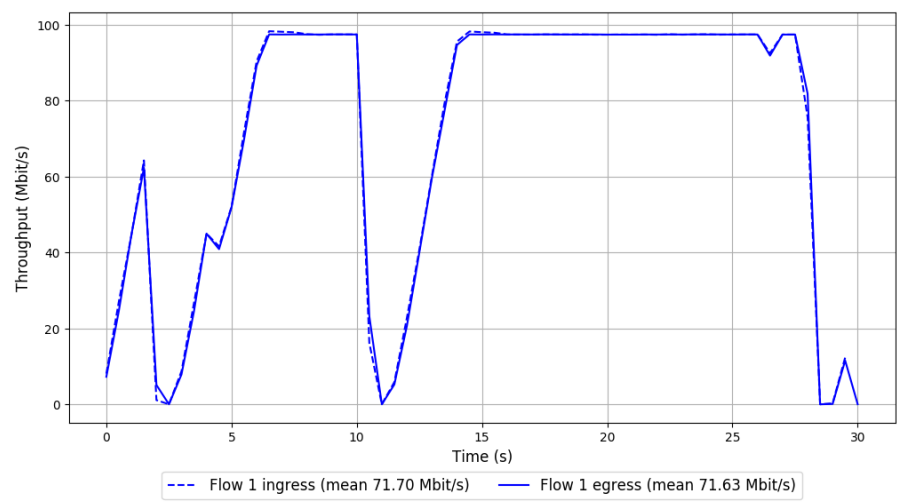
-- Flow 1:

Average throughput: 71.63 Mbit/s

95th percentile per-packet one-way delay: 45.327 ms

Loss rate: 0.17%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Mon, 17 Jul 2017 00:55:44 +0000

End at: Mon, 17 Jul 2017 00:56:14 +0000

Local clock offset: -2.135 ms

Remote clock offset: -12.171 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:41:48 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.53 Mbit/s

95th percentile per-packet one-way delay: 43.784 ms

Loss rate: 0.27%

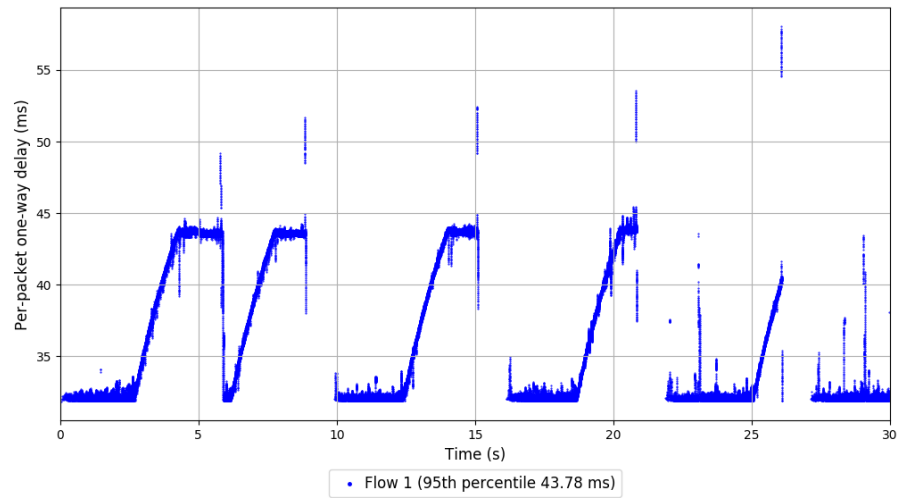
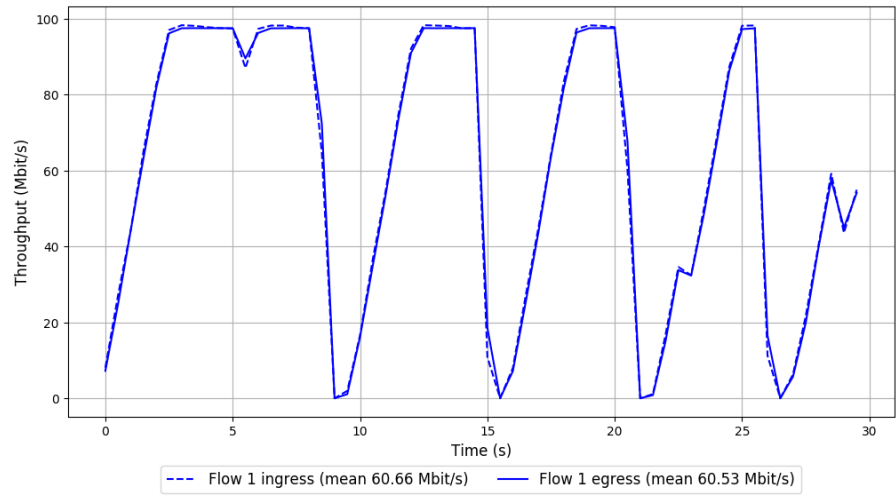
-- Flow 1:

Average throughput: 60.53 Mbit/s

95th percentile per-packet one-way delay: 43.784 ms

Loss rate: 0.27%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Sun, 16 Jul 2017 22:04:10 +0000

End at: Sun, 16 Jul 2017 22:04:40 +0000

Local clock offset: 1.863 ms

Remote clock offset: -13.851 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:41:55 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.23 Mbit/s

95th percentile per-packet one-way delay: 35.885 ms

Loss rate: 0.20%

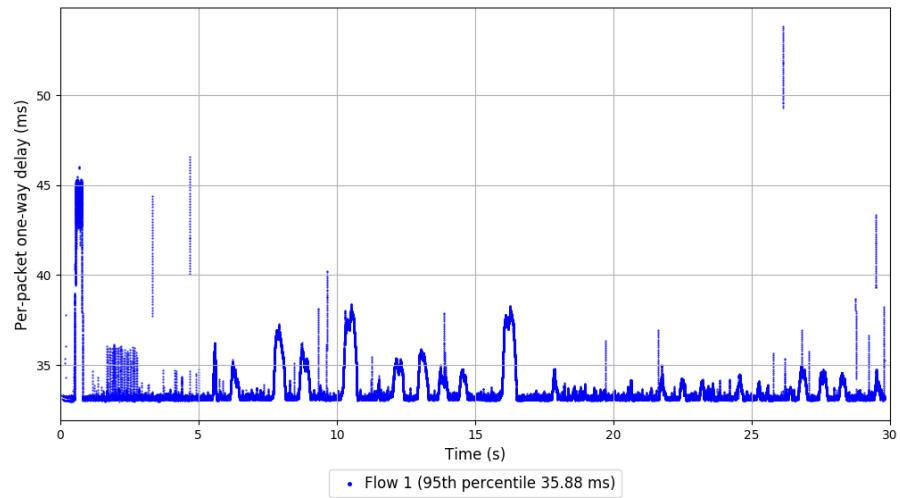
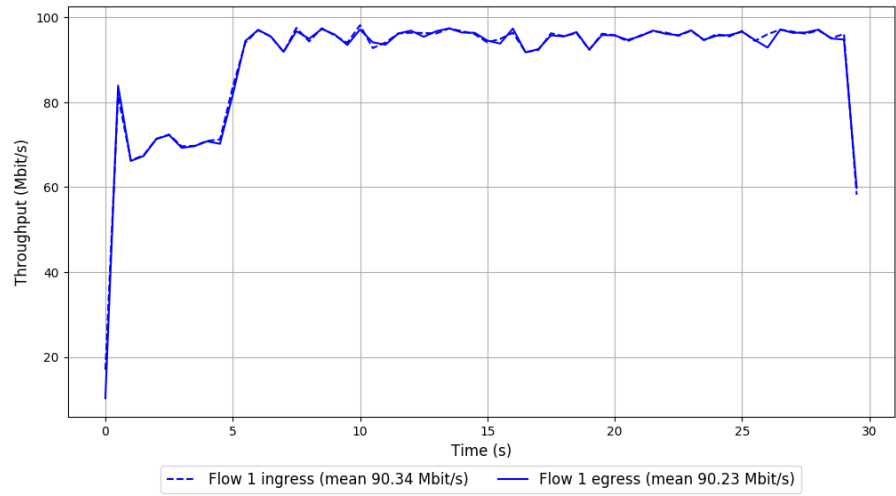
-- Flow 1:

Average throughput: 90.23 Mbit/s

95th percentile per-packet one-way delay: 35.885 ms

Loss rate: 0.20%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Sun, 16 Jul 2017 22:21:49 +0000

End at: Sun, 16 Jul 2017 22:22:19 +0000

Local clock offset: 0.642 ms

Remote clock offset: -13.661 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:42:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.14 Mbit/s

95th percentile per-packet one-way delay: 34.724 ms

Loss rate: 0.39%

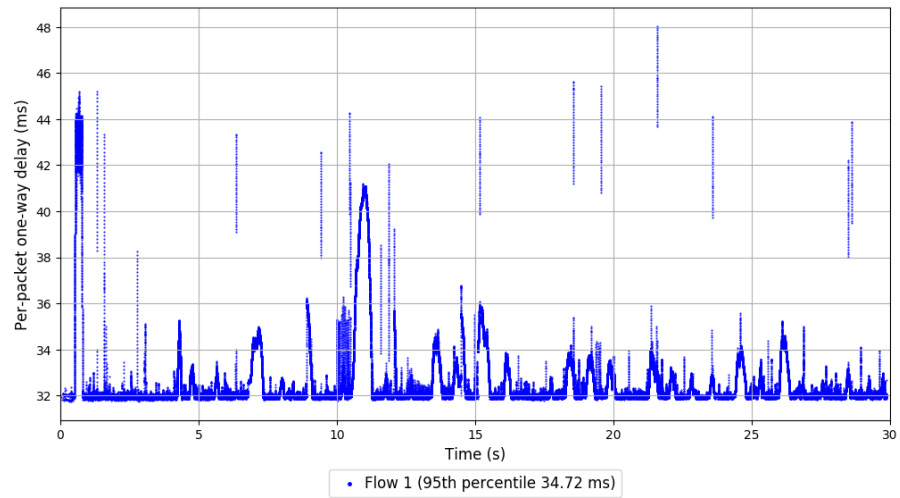
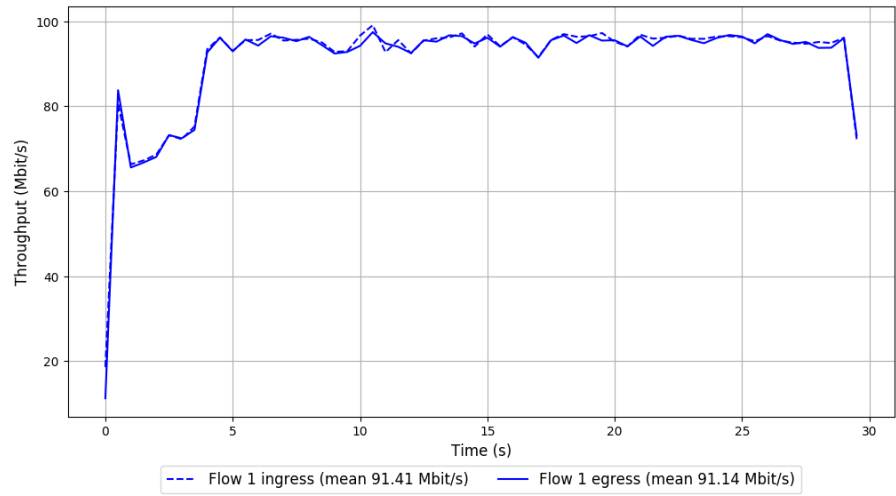
-- Flow 1:

Average throughput: 91.14 Mbit/s

95th percentile per-packet one-way delay: 34.724 ms

Loss rate: 0.39%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Sun, 16 Jul 2017 22:39:24 +0000

End at: Sun, 16 Jul 2017 22:39:54 +0000

Local clock offset: 1.236 ms

Remote clock offset: -12.144 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:42:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.58 Mbit/s

95th percentile per-packet one-way delay: 35.256 ms

Loss rate: 0.38%

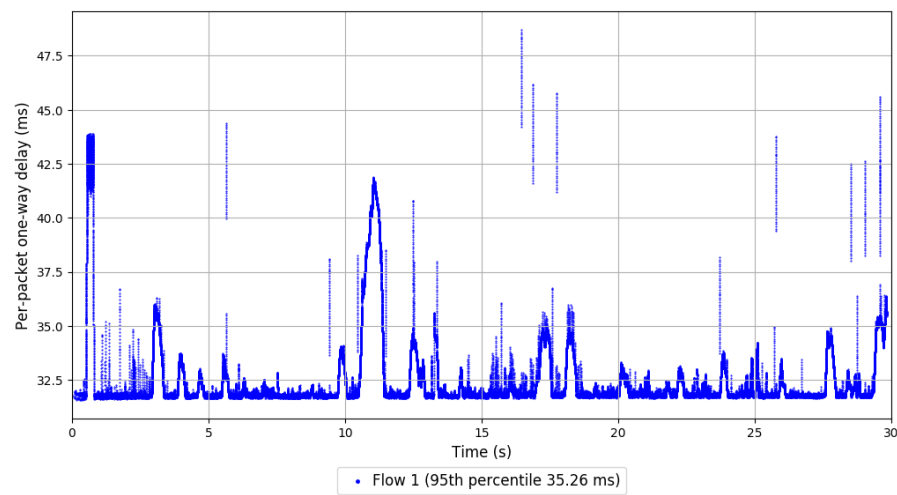
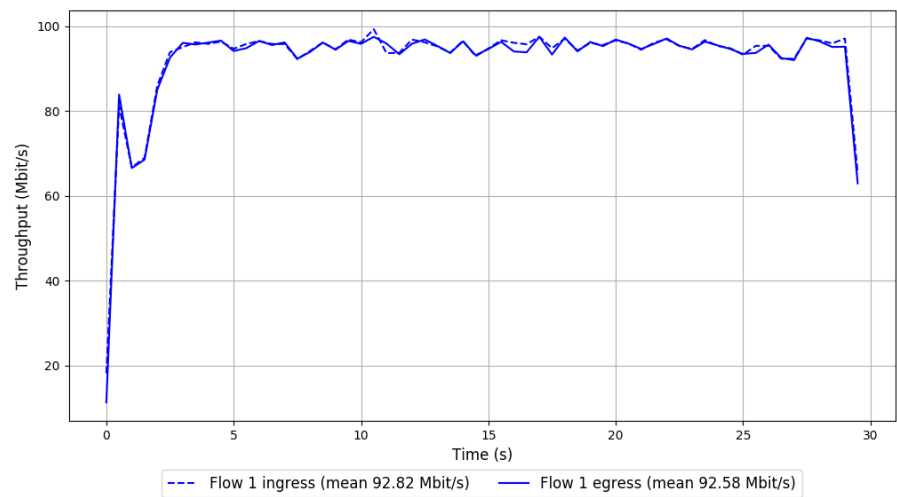
-- Flow 1:

Average throughput: 92.58 Mbit/s

95th percentile per-packet one-way delay: 35.256 ms

Loss rate: 0.38%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Sun, 16 Jul 2017 22:56:45 +0000

End at: Sun, 16 Jul 2017 22:57:15 +0000

Local clock offset: -0.622 ms

Remote clock offset: -12.335 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:42:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.54 Mbit/s

95th percentile per-packet one-way delay: 34.711 ms

Loss rate: 0.26%

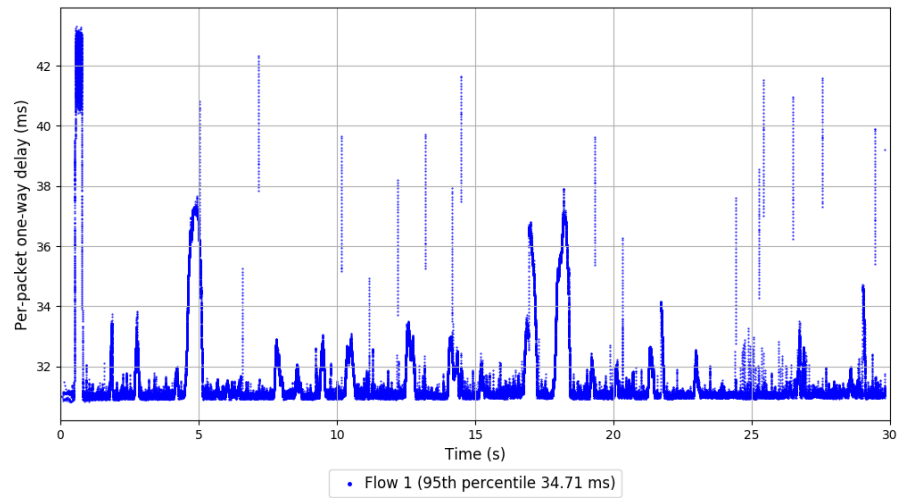
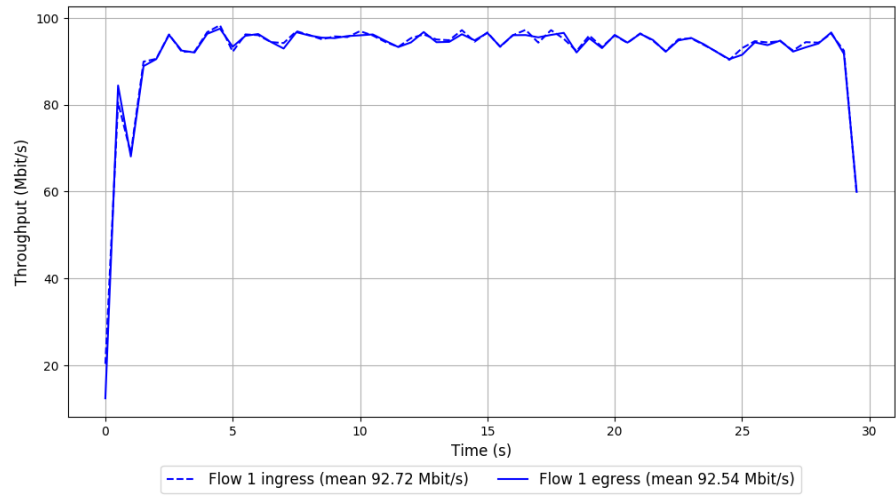
-- Flow 1:

Average throughput: 92.54 Mbit/s

95th percentile per-packet one-way delay: 34.711 ms

Loss rate: 0.26%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Sun, 16 Jul 2017 23:14:16 +0000

End at: Sun, 16 Jul 2017 23:14:46 +0000

Local clock offset: 3.072 ms

Remote clock offset: -10.626 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:42:24 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.76 Mbit/s

95th percentile per-packet one-way delay: 35.689 ms

Loss rate: 0.44%

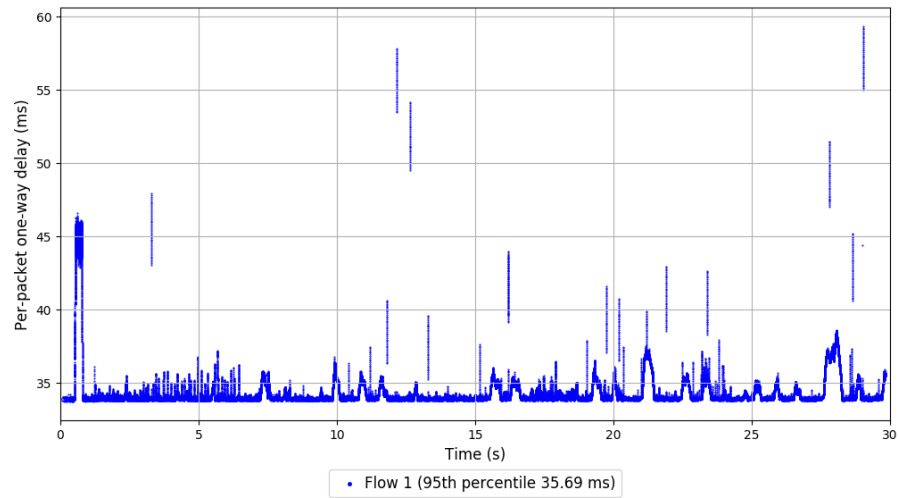
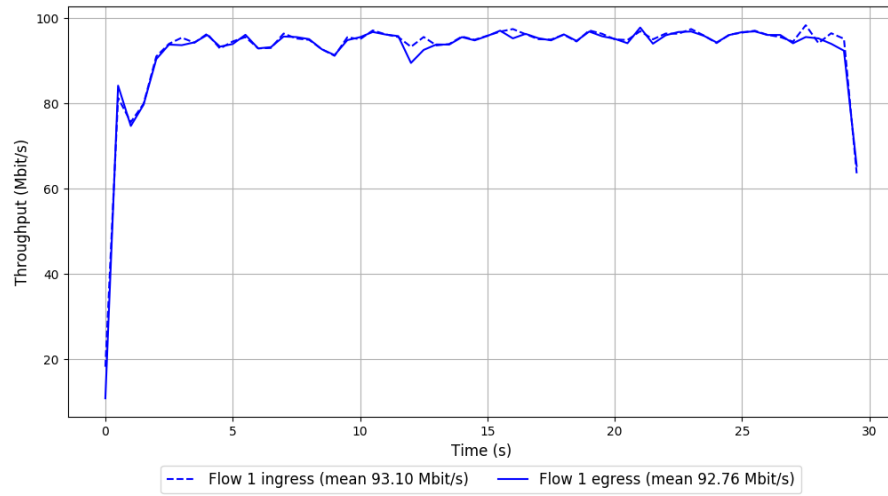
-- Flow 1:

Average throughput: 92.76 Mbit/s

95th percentile per-packet one-way delay: 35.689 ms

Loss rate: 0.44%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Sun, 16 Jul 2017 23:31:49 +0000

End at: Sun, 16 Jul 2017 23:32:19 +0000

Local clock offset: -1.495 ms

Remote clock offset: -12.536 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:42:25 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.55 Mbit/s

95th percentile per-packet one-way delay: 35.734 ms

Loss rate: 0.15%

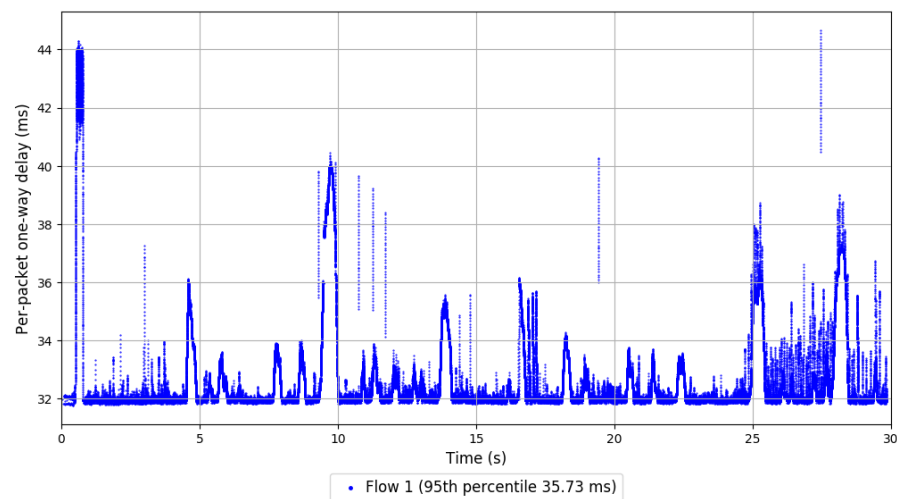
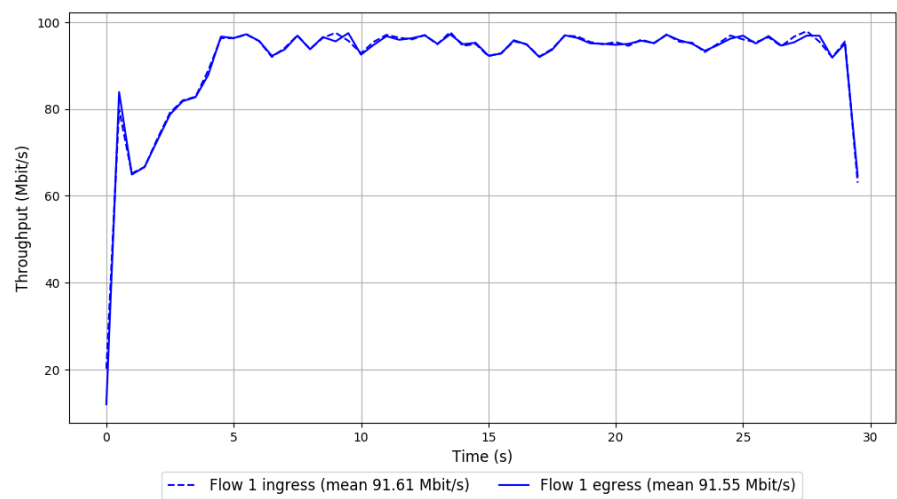
-- Flow 1:

Average throughput: 91.55 Mbit/s

95th percentile per-packet one-way delay: 35.734 ms

Loss rate: 0.15%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Sun, 16 Jul 2017 23:49:19 +0000

End at: Sun, 16 Jul 2017 23:49:49 +0000

Local clock offset: 1.259 ms

Remote clock offset: -10.872 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:42:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.27 Mbit/s

95th percentile per-packet one-way delay: 35.737 ms

Loss rate: 0.32%

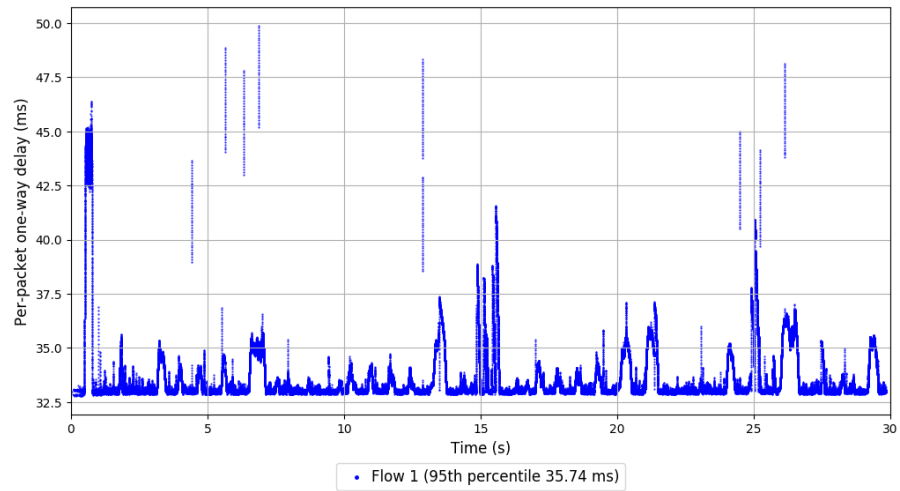
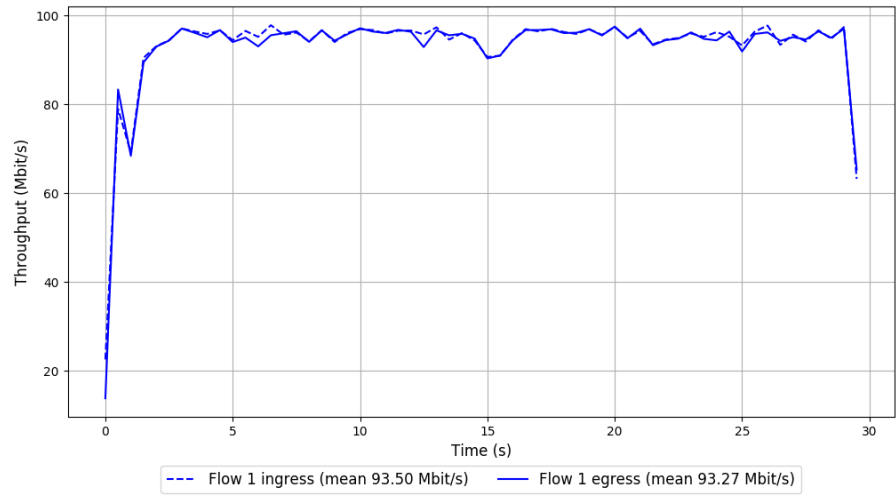
-- Flow 1:

Average throughput: 93.27 Mbit/s

95th percentile per-packet one-way delay: 35.737 ms

Loss rate: 0.32%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Mon, 17 Jul 2017 00:06:45 +0000

End at: Mon, 17 Jul 2017 00:07:15 +0000

Local clock offset: 2.346 ms

Remote clock offset: -10.1 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:42:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.60 Mbit/s

95th percentile per-packet one-way delay: 35.104 ms

Loss rate: 0.36%

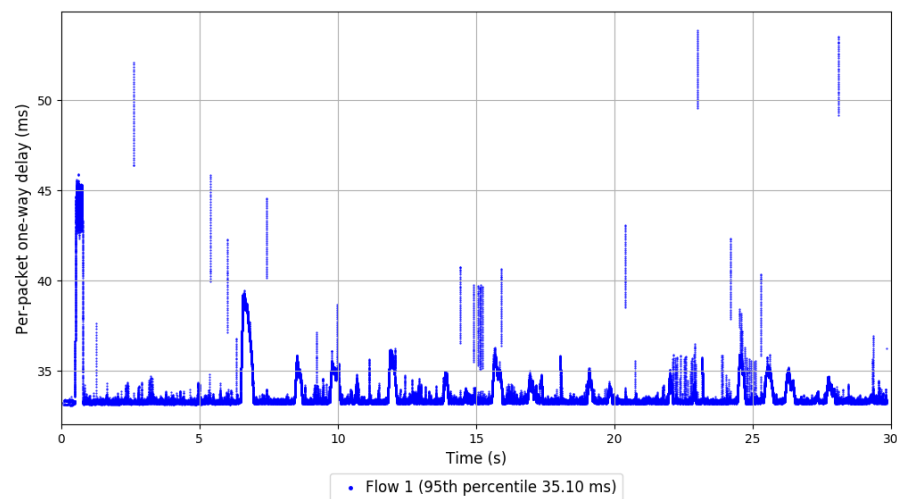
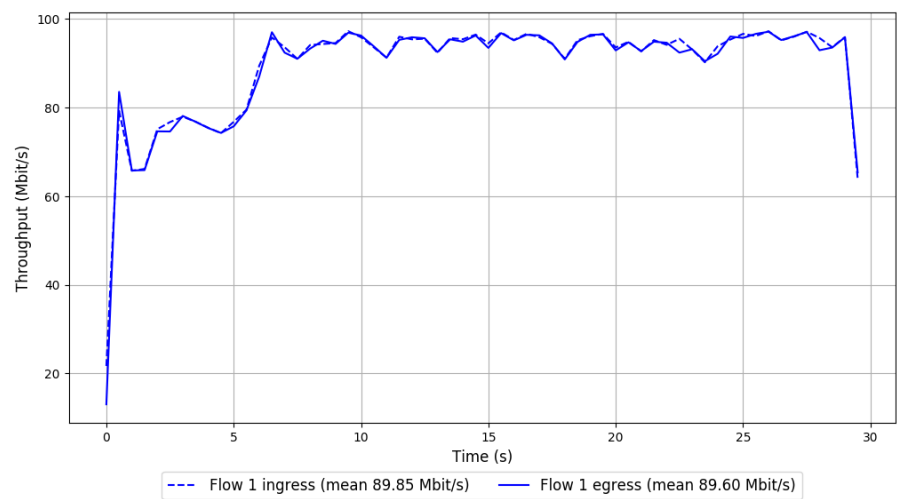
-- Flow 1:

Average throughput: 89.60 Mbit/s

95th percentile per-packet one-way delay: 35.104 ms

Loss rate: 0.36%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Mon, 17 Jul 2017 00:24:20 +0000

End at: Mon, 17 Jul 2017 00:24:50 +0000

Local clock offset: -0.696 ms

Remote clock offset: -10.04 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:42:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.38 Mbit/s

95th percentile per-packet one-way delay: 33.269 ms

Loss rate: 0.31%

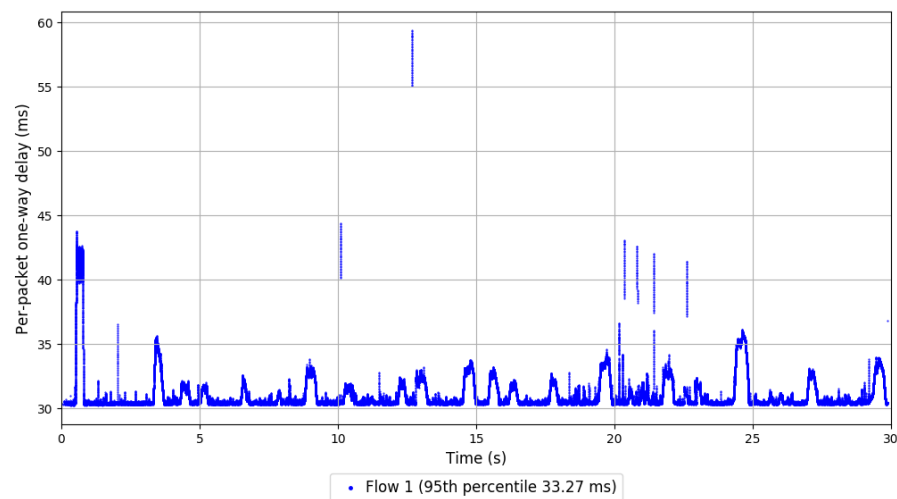
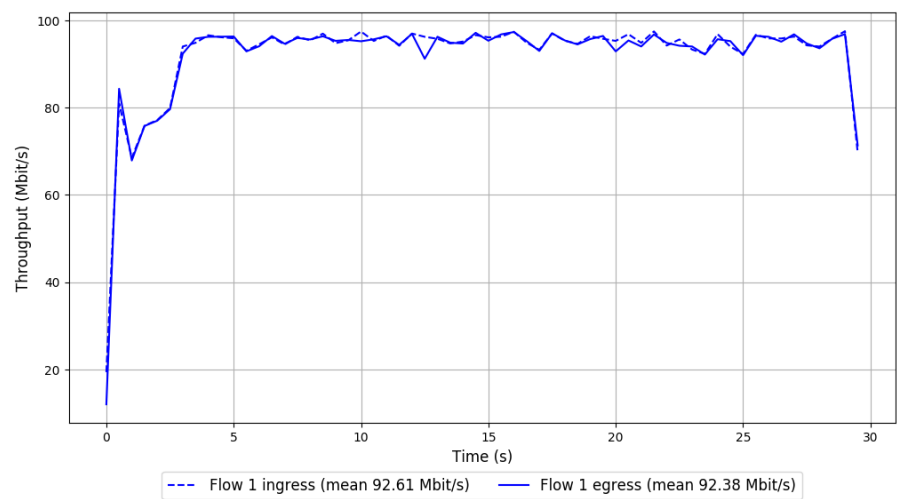
-- Flow 1:

Average throughput: 92.38 Mbit/s

95th percentile per-packet one-way delay: 33.269 ms

Loss rate: 0.31%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Mon, 17 Jul 2017 00:41:50 +0000

End at: Mon, 17 Jul 2017 00:42:20 +0000

Local clock offset: 1.351 ms

Remote clock offset: -9.35 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:42:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.09 Mbit/s

95th percentile per-packet one-way delay: 34.896 ms

Loss rate: 0.16%

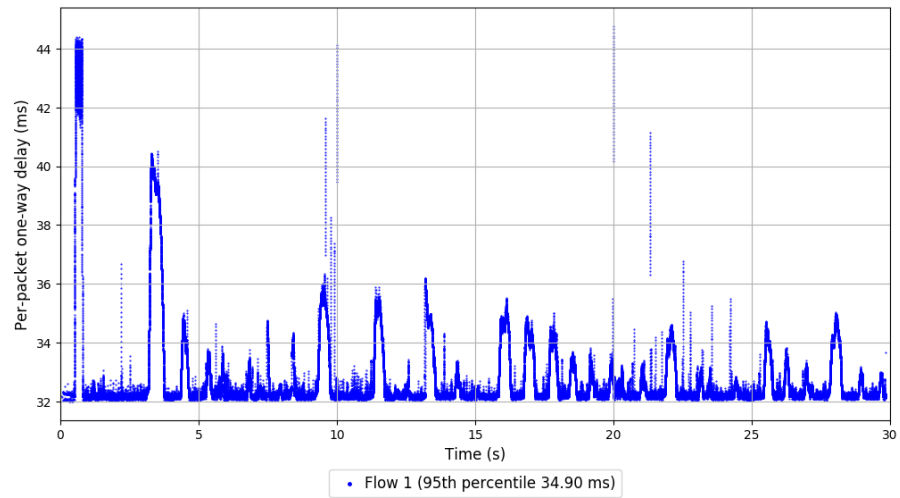
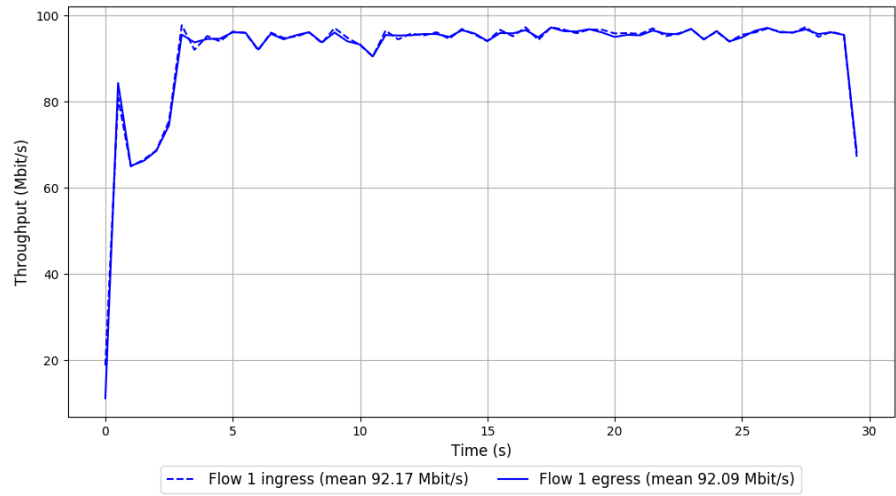
-- Flow 1:

Average throughput: 92.09 Mbit/s

95th percentile per-packet one-way delay: 34.896 ms

Loss rate: 0.16%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

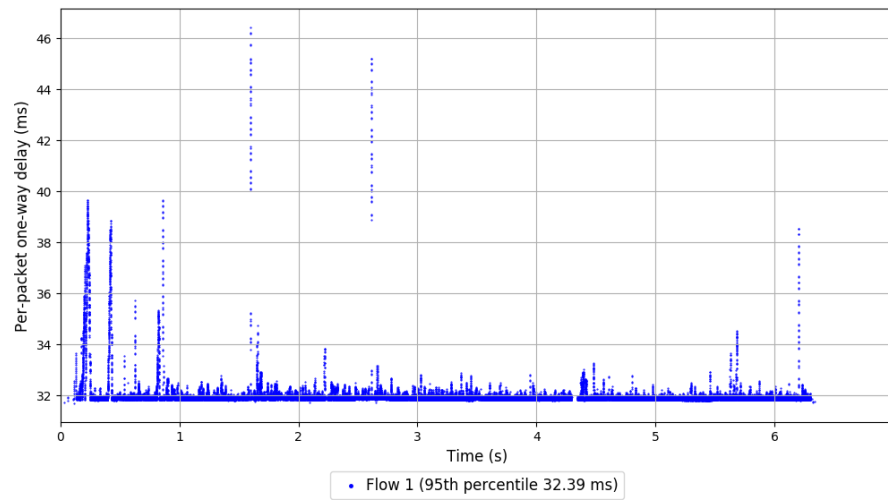
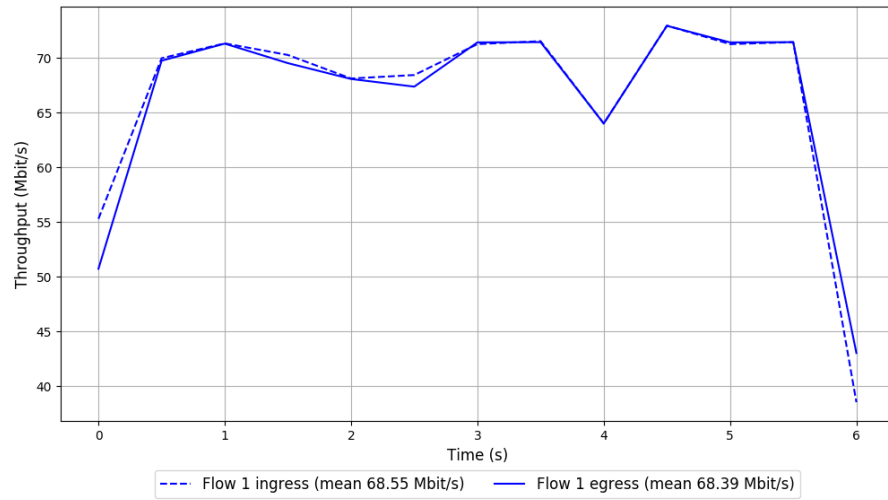
Start at: Sun, 16 Jul 2017 22:17:12 +0000

End at: Sun, 16 Jul 2017 22:17:42 +0000

Local clock offset: -0.121 ms

Remote clock offset: -14.512 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

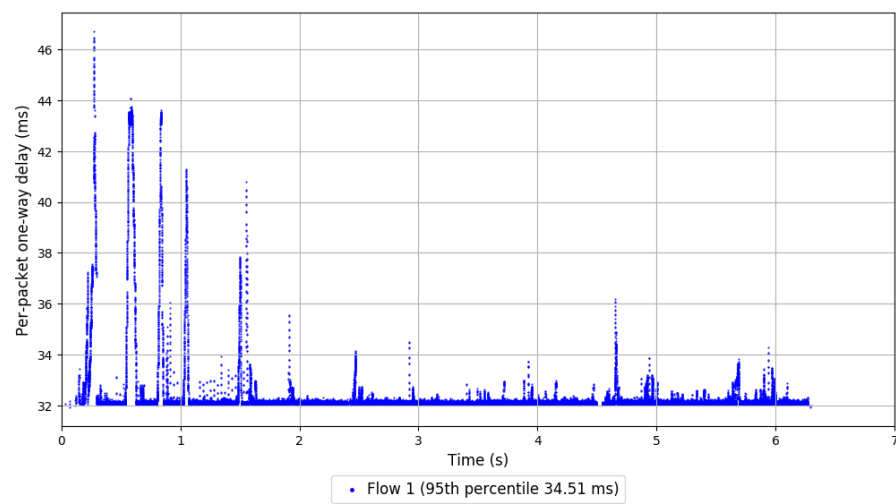
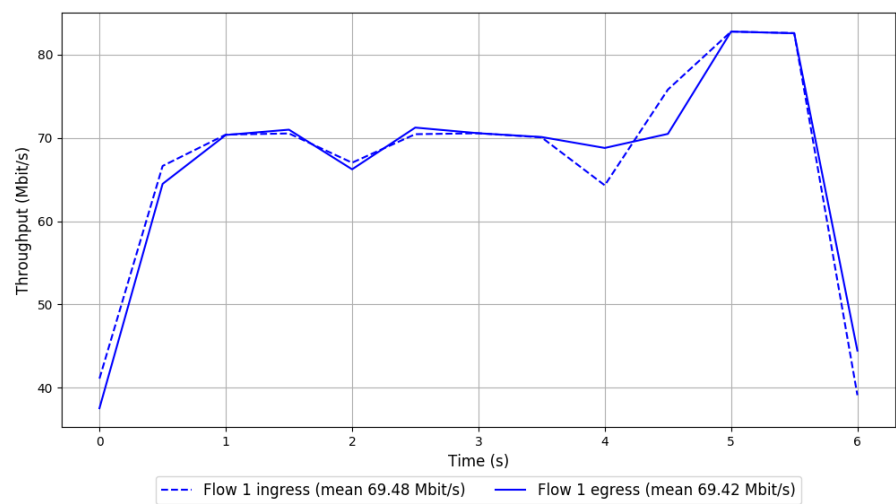
Start at: Sun, 16 Jul 2017 22:34:41 +0000

End at: Sun, 16 Jul 2017 22:35:11 +0000

Local clock offset: 0.539 ms

Remote clock offset: -13.408 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

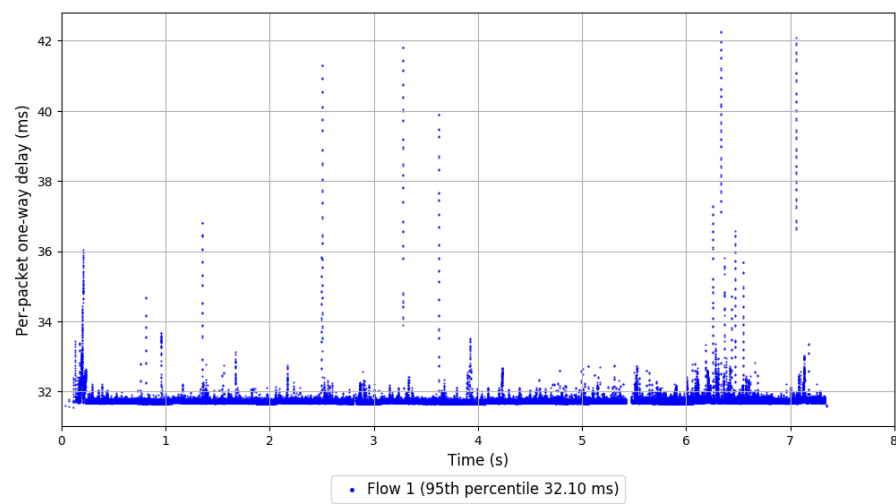
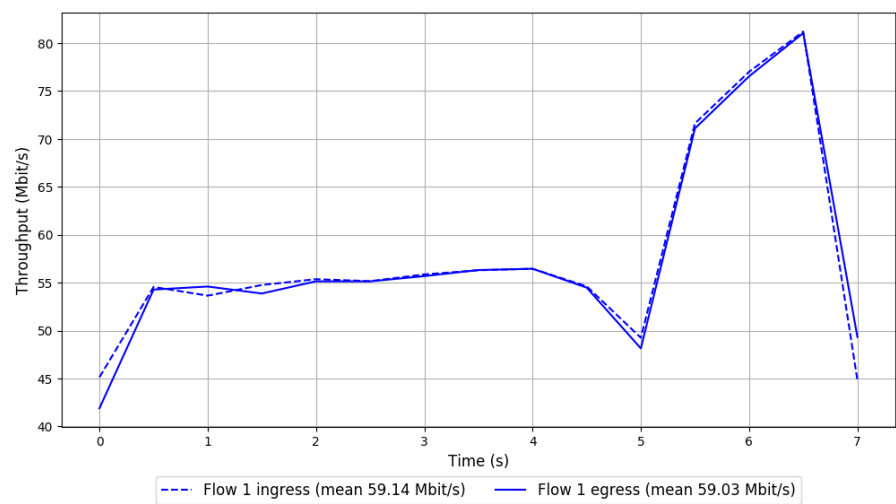
Start at: Sun, 16 Jul 2017 22:52:05 +0000

End at: Sun, 16 Jul 2017 22:52:35 +0000

Local clock offset: -0.183 ms

Remote clock offset: -12.826 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

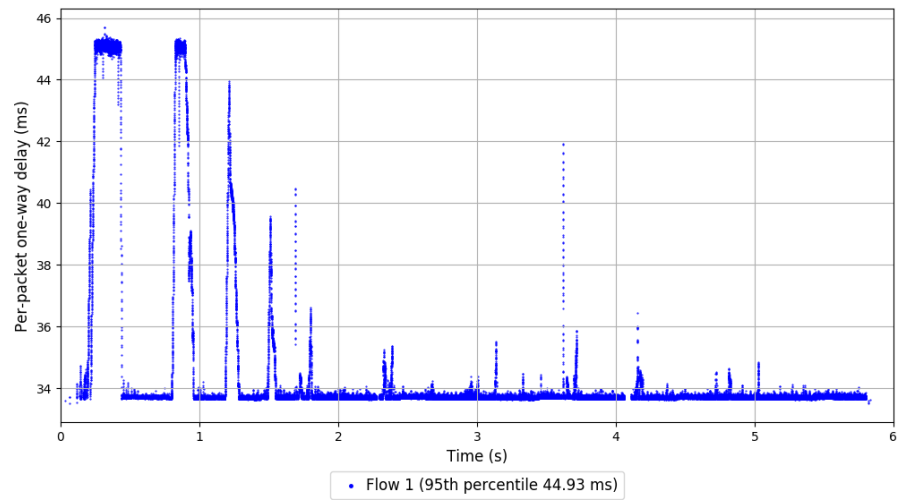
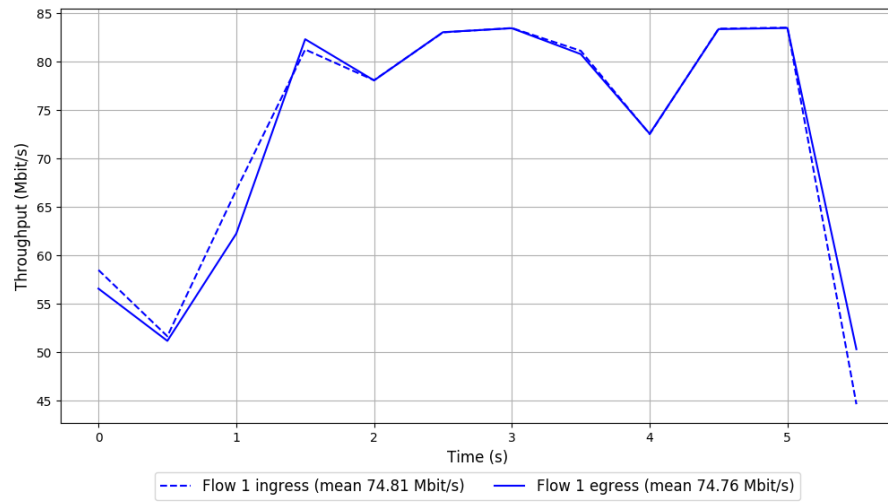
Start at: Sun, 16 Jul 2017 23:09:36 +0000

End at: Sun, 16 Jul 2017 23:10:06 +0000

Local clock offset: 2.081 ms

Remote clock offset: -11.485 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

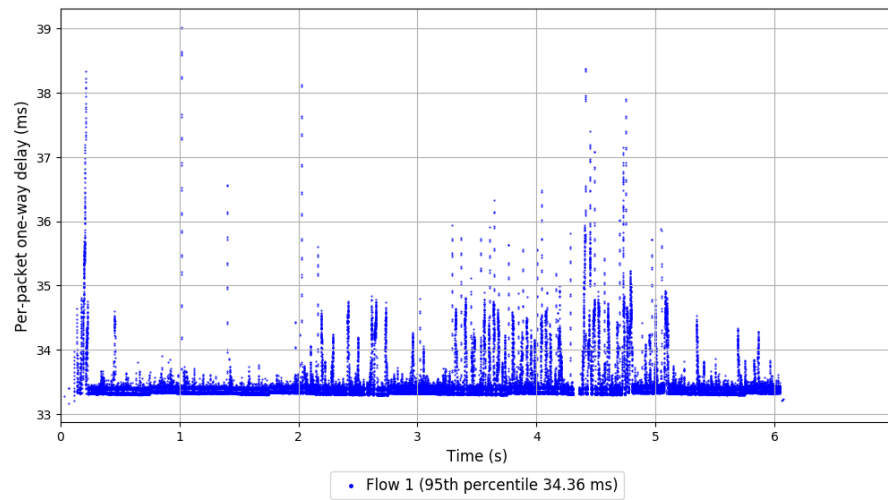
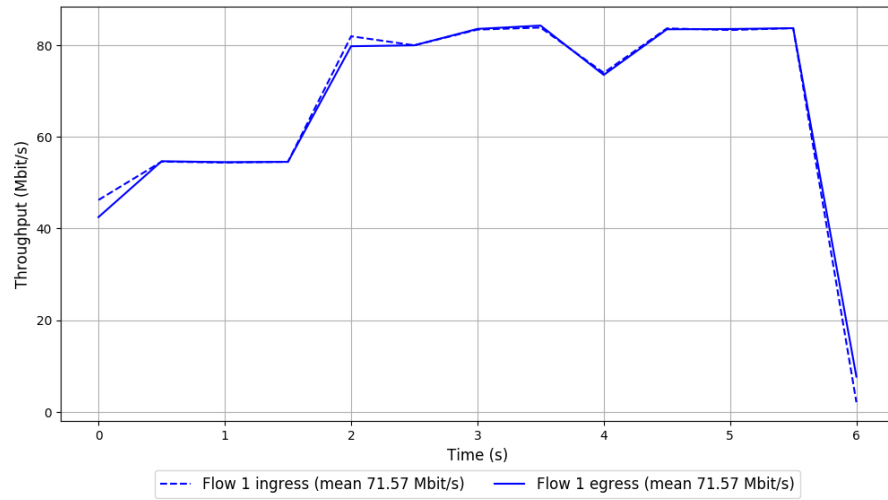
Start at: Sun, 16 Jul 2017 23:27:09 +0000

End at: Sun, 16 Jul 2017 23:27:39 +0000

Local clock offset: 2.156 ms

Remote clock offset: -10.394 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

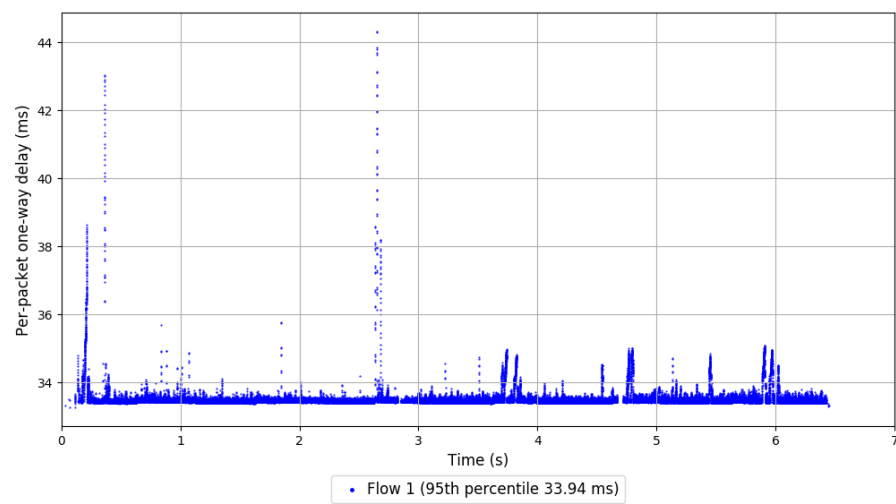
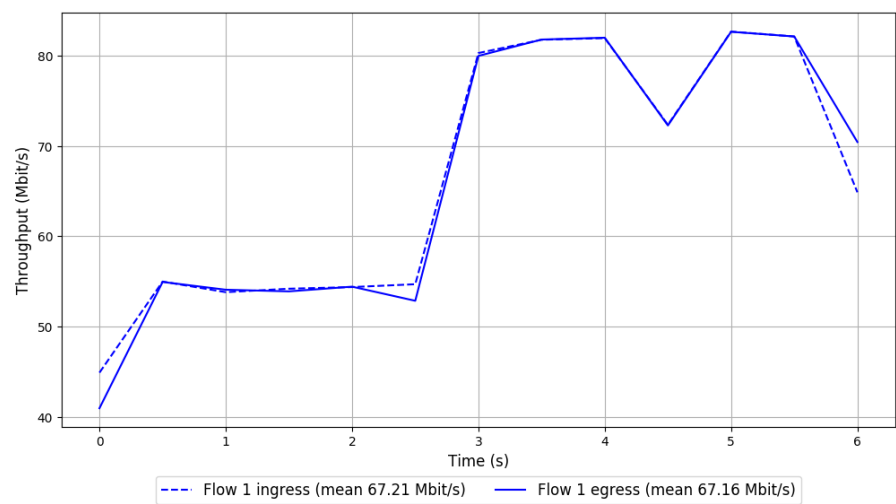
Start at: Sun, 16 Jul 2017 23:44:37 +0000

End at: Sun, 16 Jul 2017 23:45:07 +0000

Local clock offset: 1.58 ms

Remote clock offset: -11.048 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

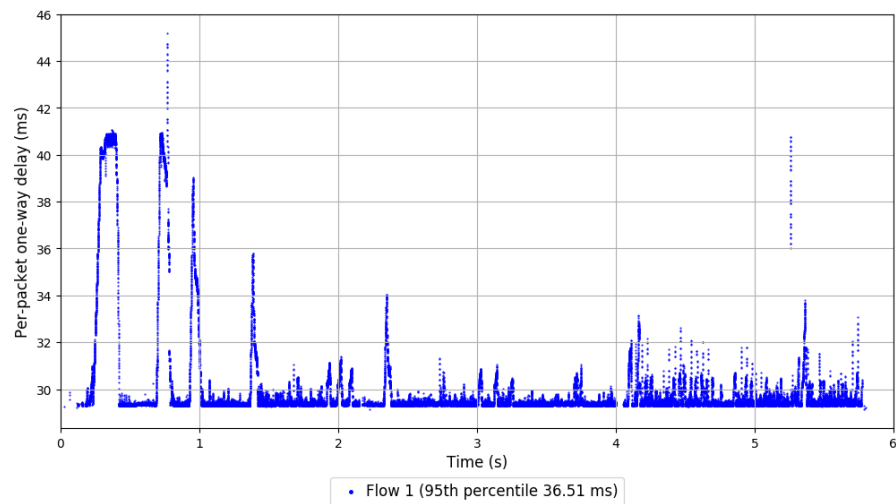
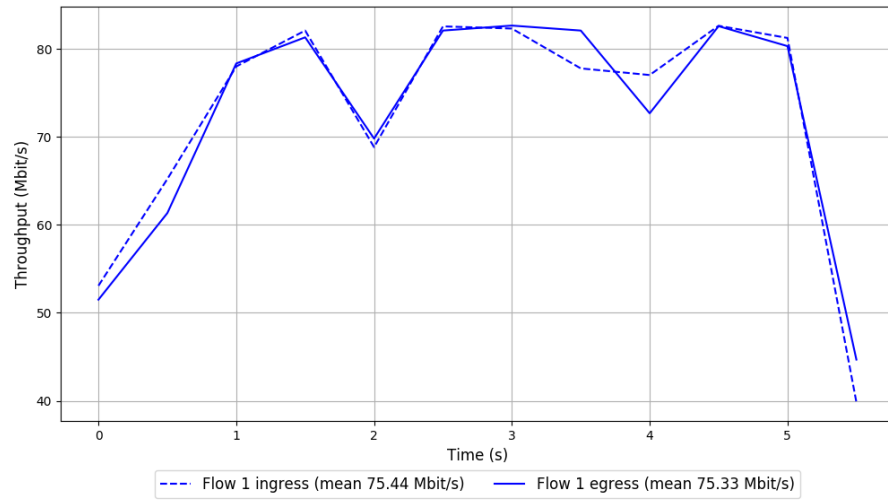
Start at: Mon, 17 Jul 2017 00:02:08 +0000

End at: Mon, 17 Jul 2017 00:02:38 +0000

Local clock offset: -1.28 ms

Remote clock offset: -9.846 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

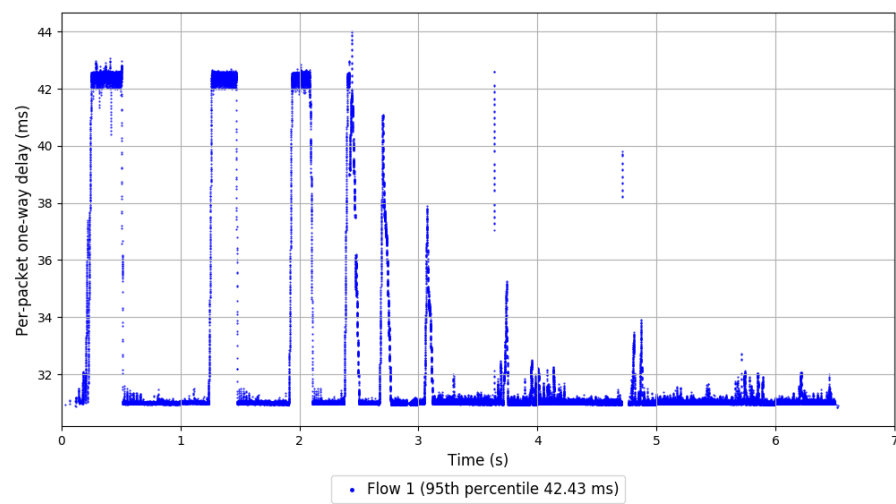
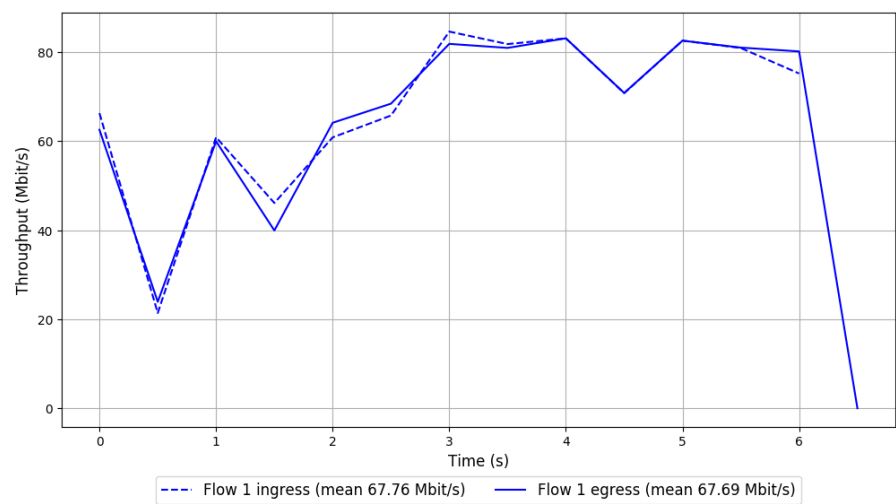
Start at: Mon, 17 Jul 2017 00:19:36 +0000

End at: Mon, 17 Jul 2017 00:20:06 +0000

Local clock offset: -1.201 ms

Remote clock offset: -11.183 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

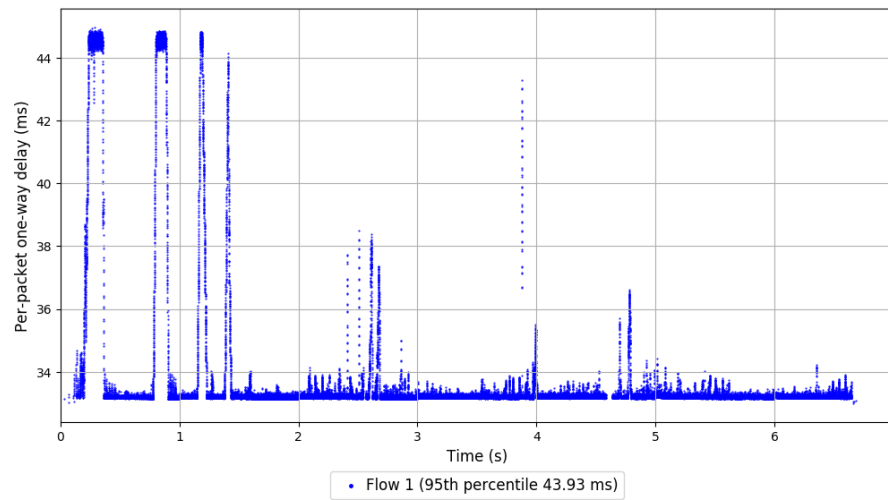
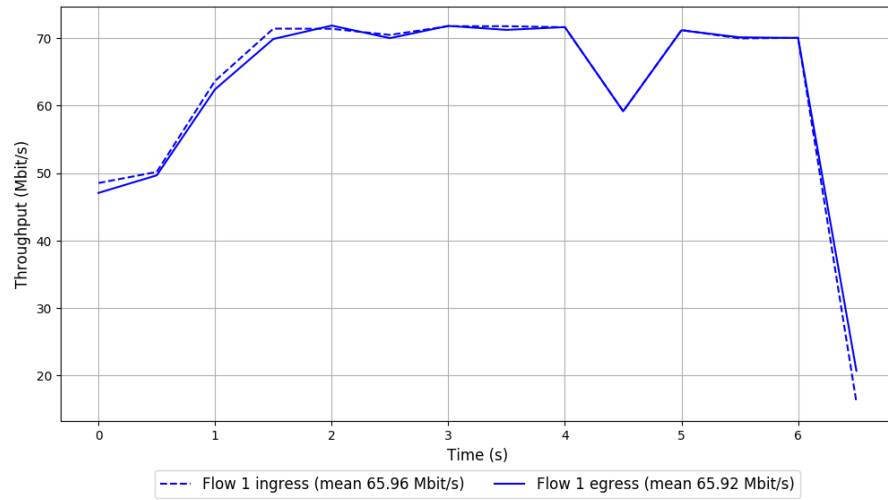
Start at: Mon, 17 Jul 2017 00:37:05 +0000

End at: Mon, 17 Jul 2017 00:37:35 +0000

Local clock offset: 1.117 ms

Remote clock offset: -10.622 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

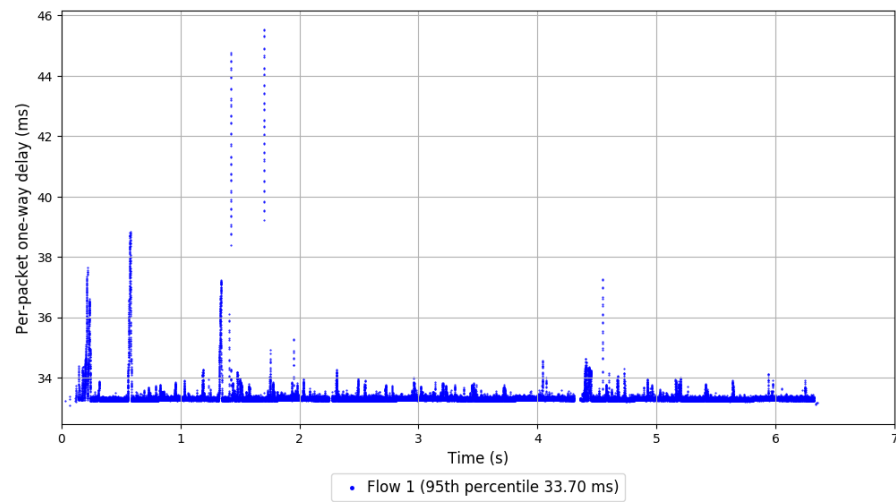
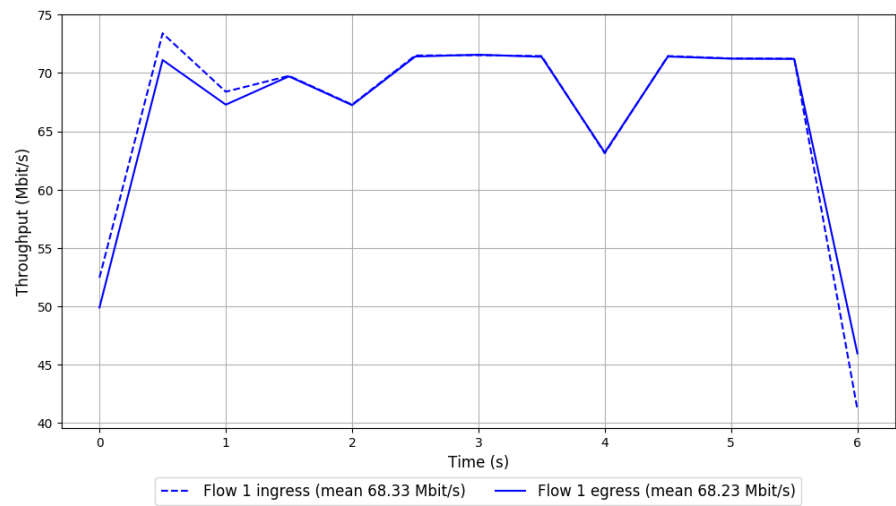
Start at: Mon, 17 Jul 2017 00:54:39 +0000

End at: Mon, 17 Jul 2017 00:55:09 +0000

Local clock offset: 0.253 ms

Remote clock offset: -11.126 ms

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Sun, 16 Jul 2017 22:12:21 +0000

End at: Sun, 16 Jul 2017 22:12:51 +0000

Local clock offset: -0.357 ms

Remote clock offset: -13.929 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:43:17 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.10 Mbit/s

95th percentile per-packet one-way delay: 32.075 ms

Loss rate: 0.19%

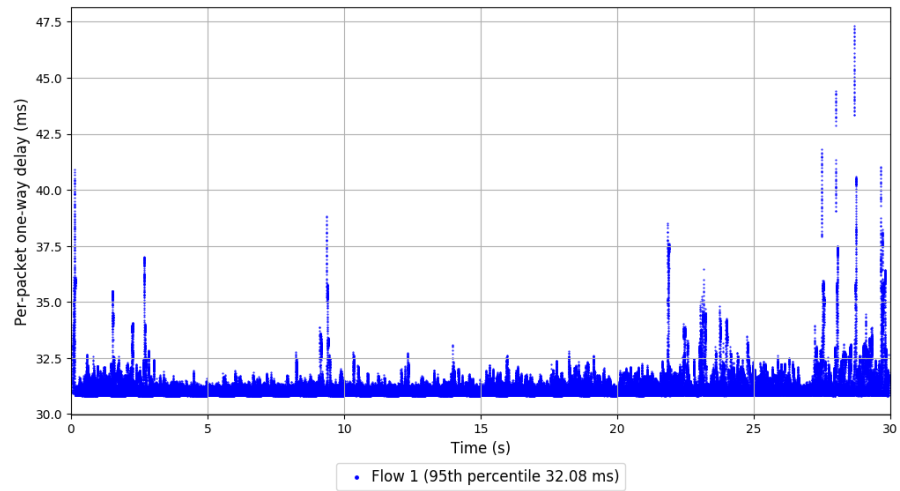
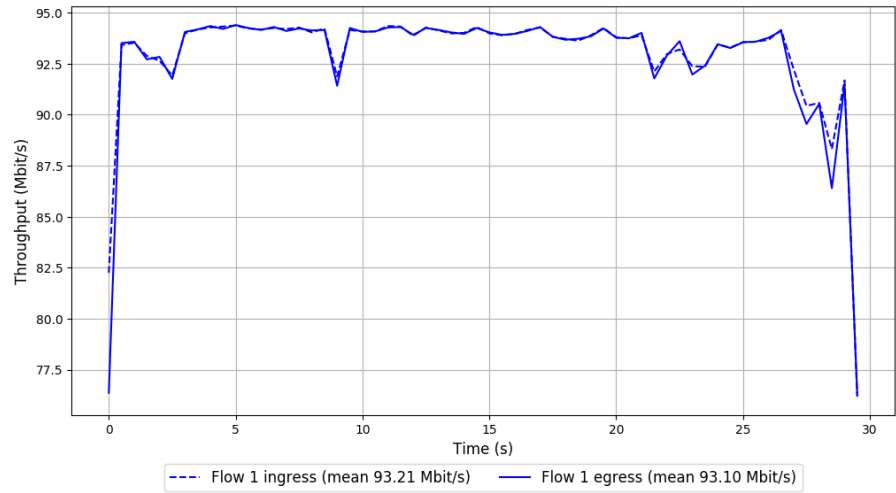
-- Flow 1:

Average throughput: 93.10 Mbit/s

95th percentile per-packet one-way delay: 32.075 ms

Loss rate: 0.19%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Sun, 16 Jul 2017 22:29:54 +0000

End at: Sun, 16 Jul 2017 22:30:24 +0000

Local clock offset: 1.678 ms

Remote clock offset: -13.631 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:43:17 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.58 Mbit/s

95th percentile per-packet one-way delay: 34.914 ms

Loss rate: 0.34%

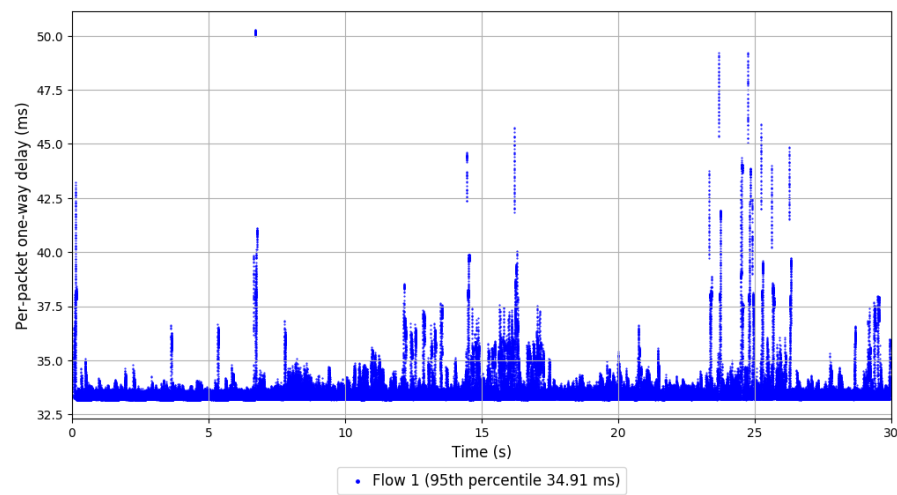
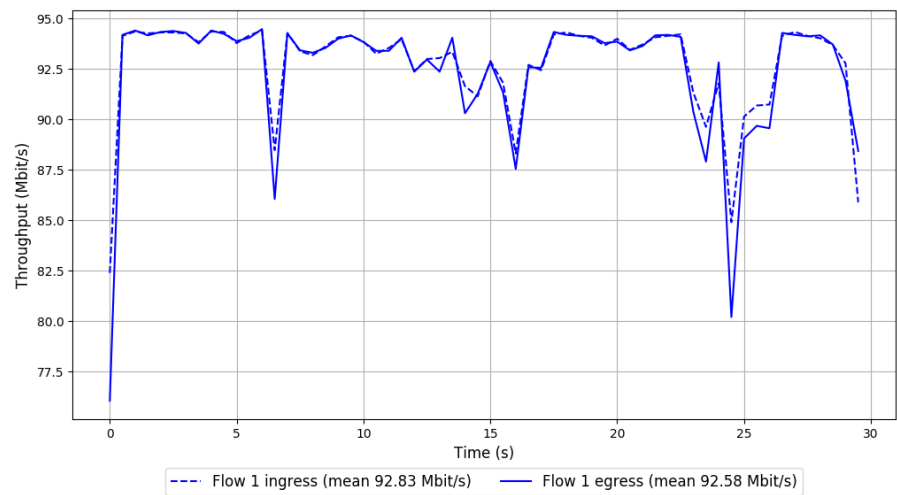
-- Flow 1:

Average throughput: 92.58 Mbit/s

95th percentile per-packet one-way delay: 34.914 ms

Loss rate: 0.34%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

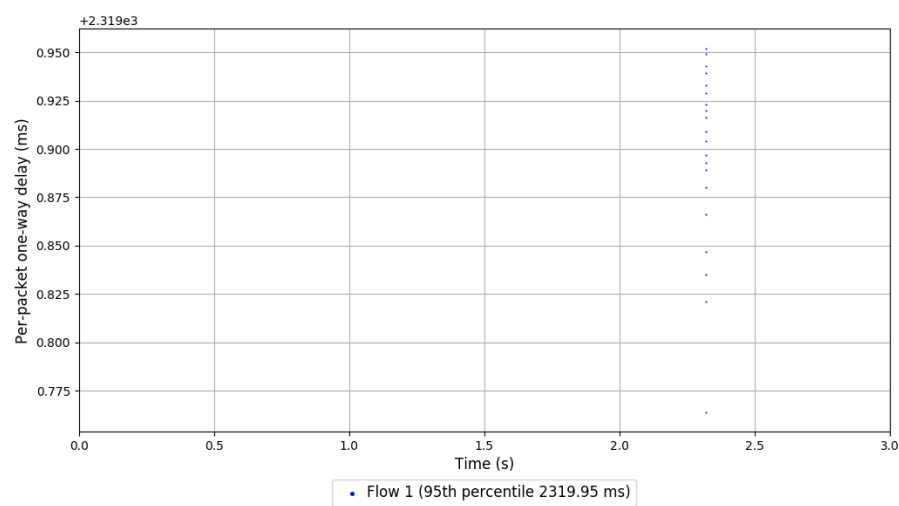
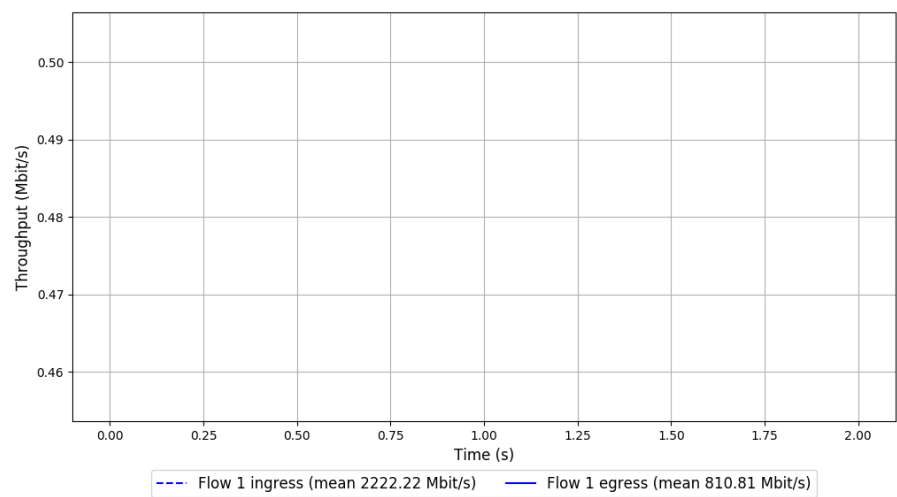
Start at: Sun, 16 Jul 2017 22:47:27 +0000

End at: Sun, 16 Jul 2017 22:47:57 +0000

Local clock offset: -0.156 ms

Remote clock offset: -12.202 ms

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Sun, 16 Jul 2017 23:04:48 +0000

End at: Sun, 16 Jul 2017 23:05:18 +0000

Local clock offset: 1.979 ms

Remote clock offset: -11.904 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:43:29 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.80 Mbit/s

95th percentile per-packet one-way delay: 36.349 ms

Loss rate: 0.26%

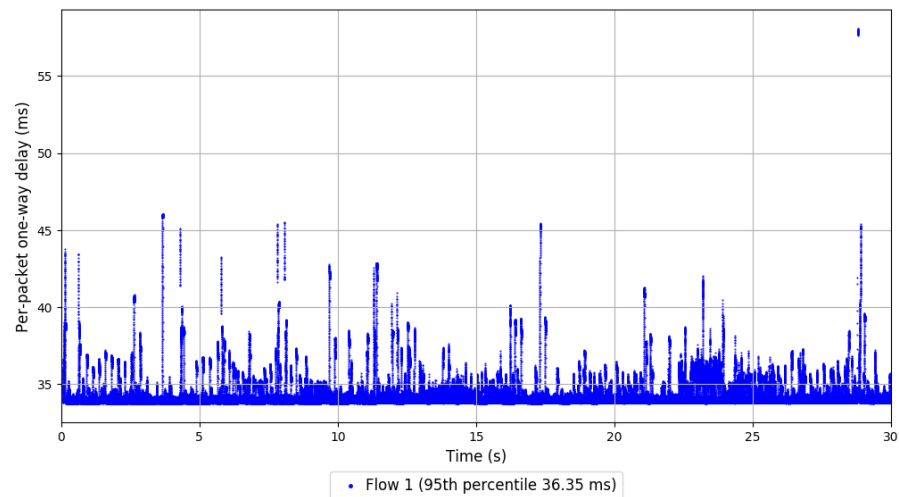
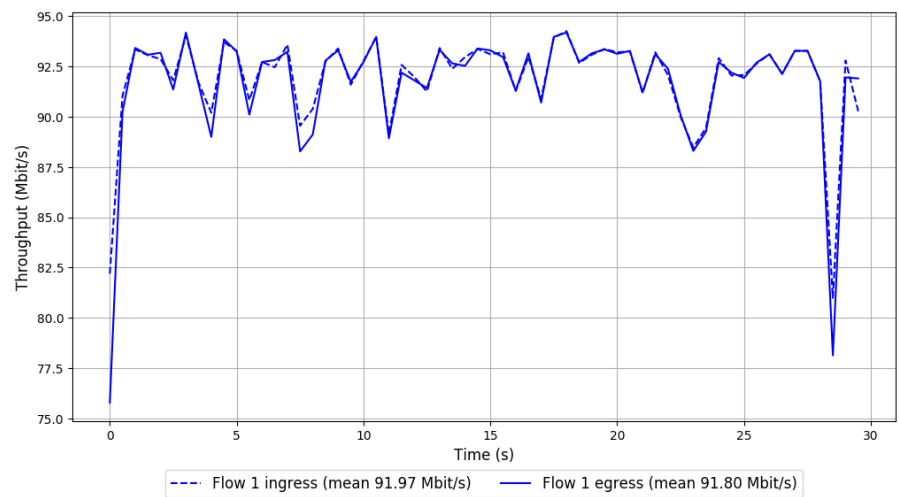
-- Flow 1:

Average throughput: 91.80 Mbit/s

95th percentile per-packet one-way delay: 36.349 ms

Loss rate: 0.26%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Sun, 16 Jul 2017 23:22:23 +0000

End at: Sun, 16 Jul 2017 23:22:53 +0000

Local clock offset: 1.456 ms

Remote clock offset: -12.782 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:43:29 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.79 Mbit/s

95th percentile per-packet one-way delay: 36.190 ms

Loss rate: 0.30%

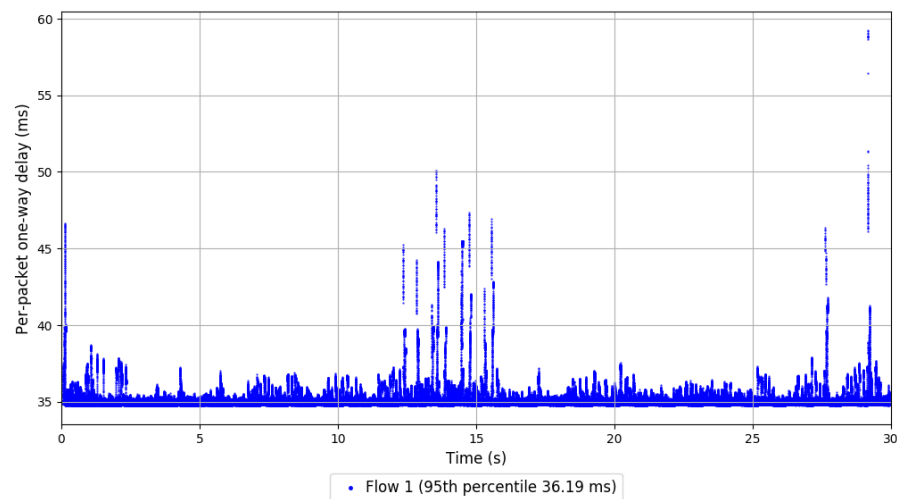
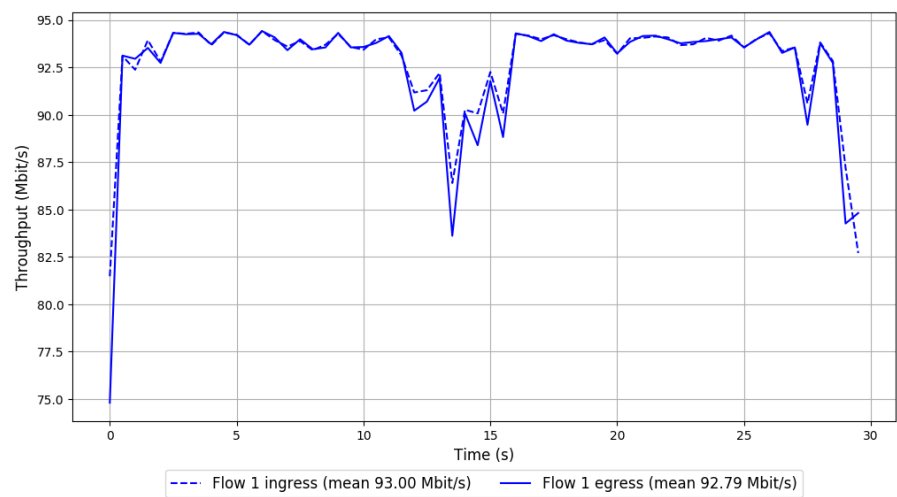
-- Flow 1:

Average throughput: 92.79 Mbit/s

95th percentile per-packet one-way delay: 36.190 ms

Loss rate: 0.30%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

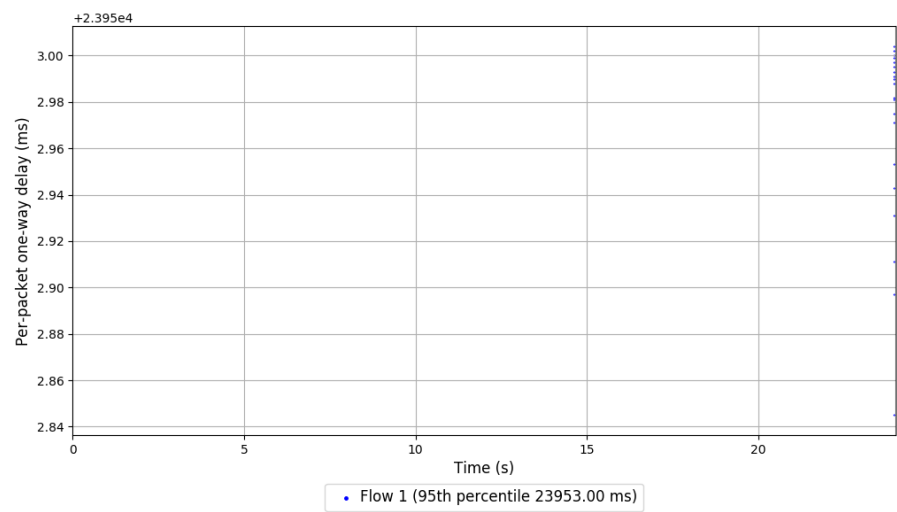
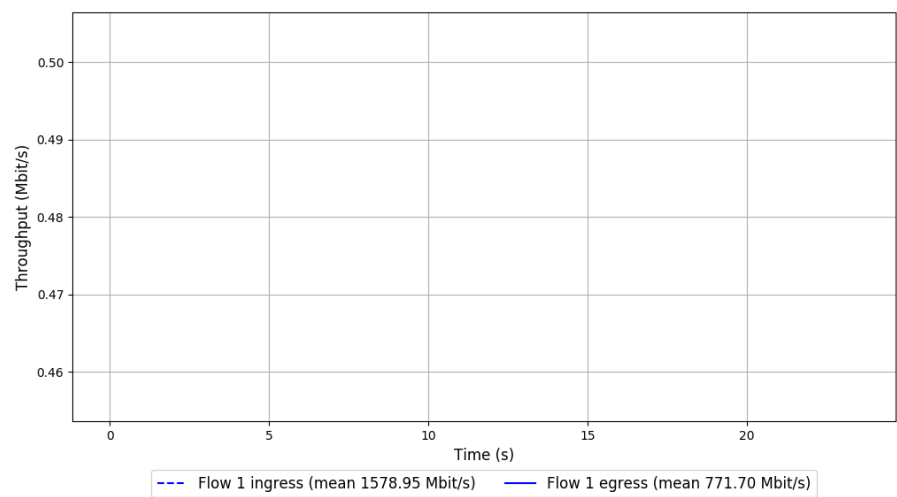
Start at: Sun, 16 Jul 2017 23:39:55 +0000

End at: Sun, 16 Jul 2017 23:40:25 +0000

Local clock offset: -1.226 ms

Remote clock offset: -11.315 ms

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Sun, 16 Jul 2017 23:57:22 +0000

End at: Sun, 16 Jul 2017 23:57:52 +0000

Local clock offset: -0.08 ms

Remote clock offset: -12.565 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:43:42 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.62 Mbit/s

95th percentile per-packet one-way delay: 33.868 ms

Loss rate: 0.17%

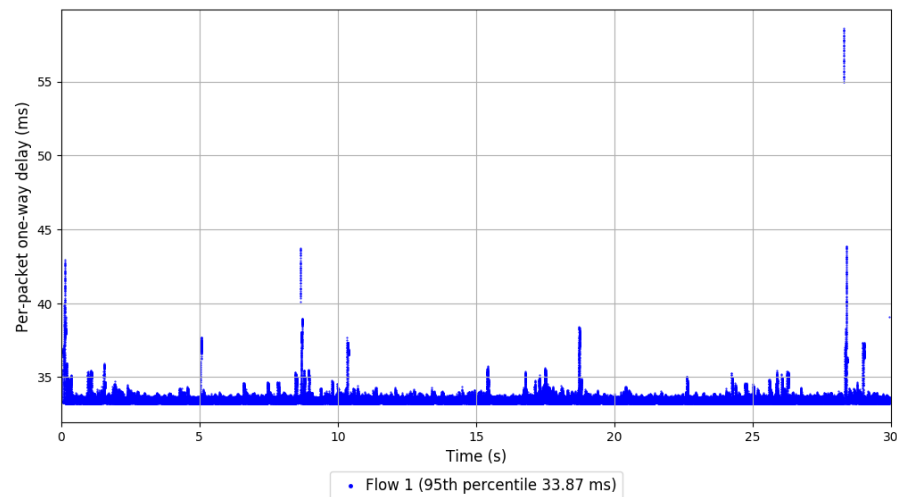
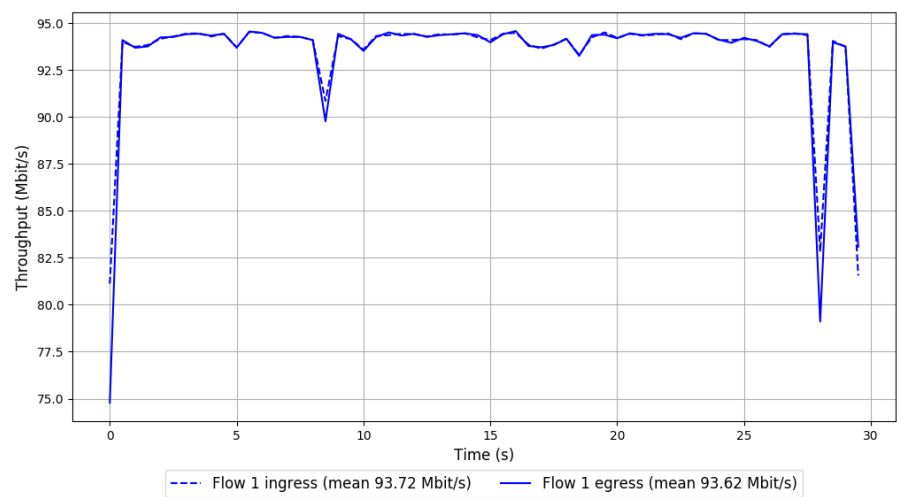
-- Flow 1:

Average throughput: 93.62 Mbit/s

95th percentile per-packet one-way delay: 33.868 ms

Loss rate: 0.17%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Mon, 17 Jul 2017 00:14:50 +0000

End at: Mon, 17 Jul 2017 00:15:20 +0000

Local clock offset: -0.497 ms

Remote clock offset: -11.355 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:43:43 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.18 Mbit/s

95th percentile per-packet one-way delay: 32.906 ms

Loss rate: 0.21%

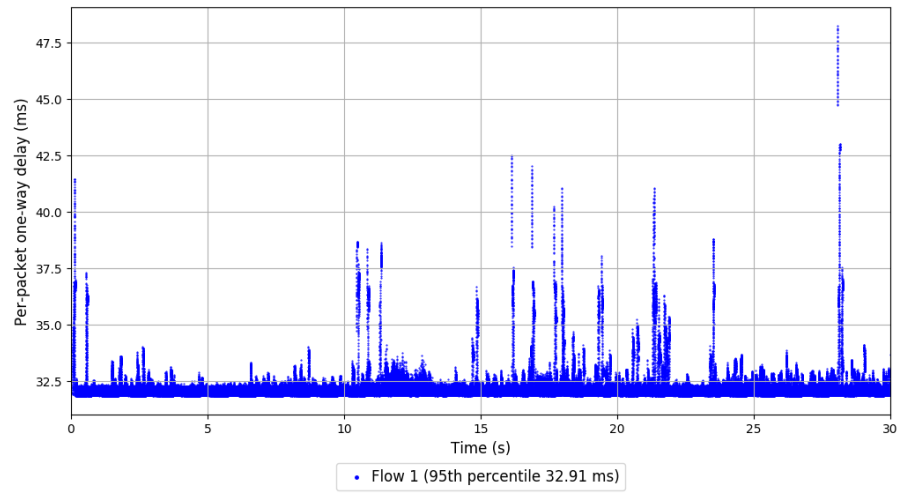
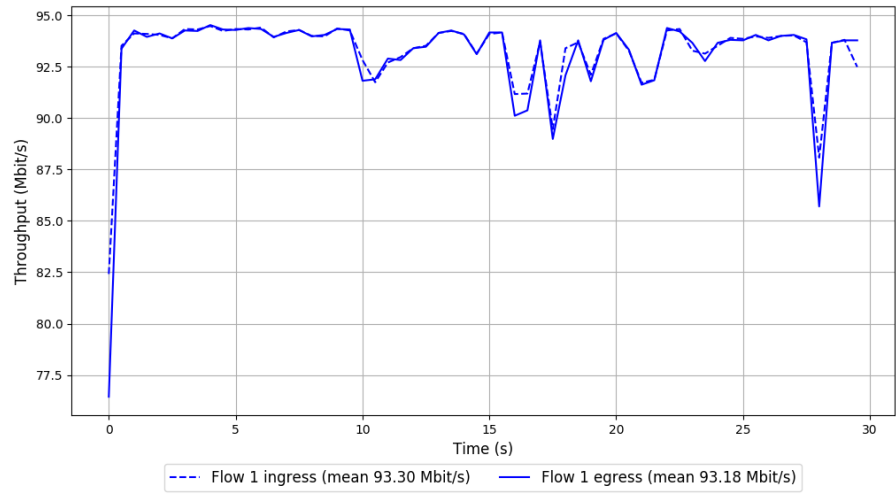
-- Flow 1:

Average throughput: 93.18 Mbit/s

95th percentile per-packet one-way delay: 32.906 ms

Loss rate: 0.21%

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

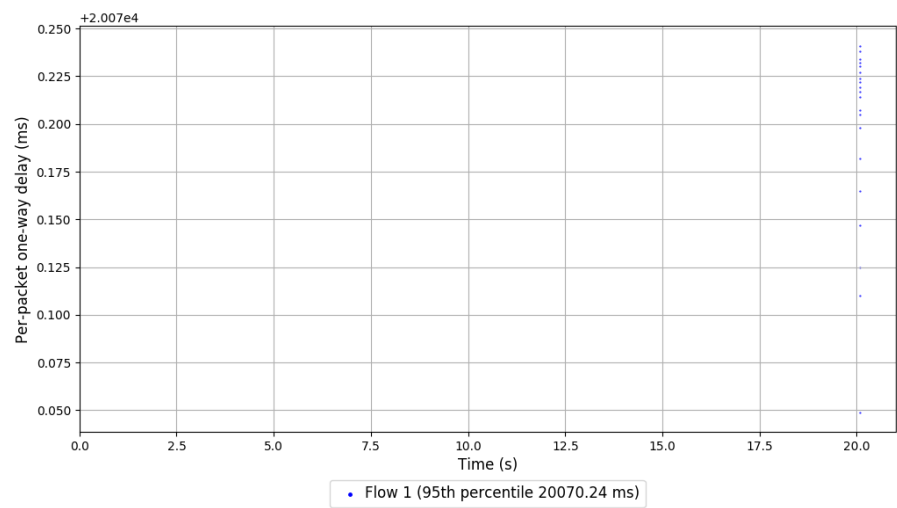
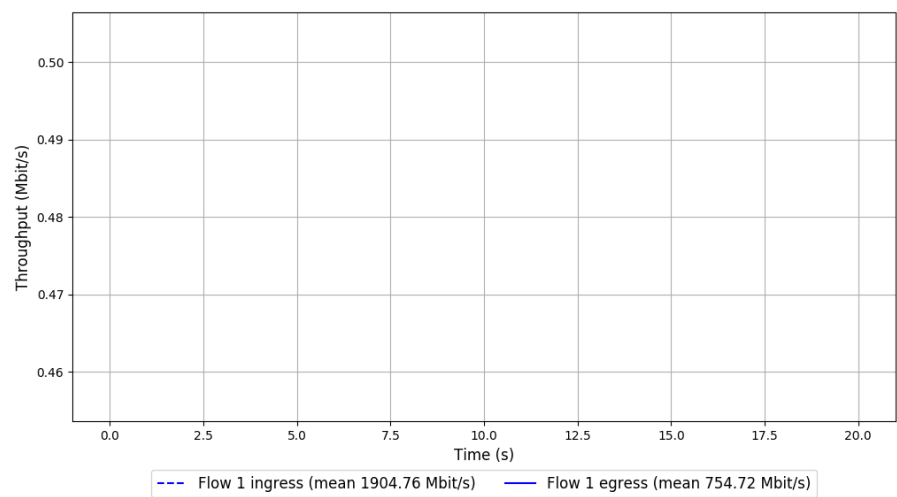
Start at: Mon, 17 Jul 2017 00:32:27 +0000

End at: Mon, 17 Jul 2017 00:32:57 +0000

Local clock offset: -1.412 ms

Remote clock offset: -9.656 ms

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Mon, 17 Jul 2017 00:49:52 +0000

End at: Mon, 17 Jul 2017 00:50:22 +0000

Local clock offset: 2.246 ms

Remote clock offset: -10.079 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:43:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.24 Mbit/s

95th percentile per-packet one-way delay: 34.909 ms

Loss rate: 0.22%

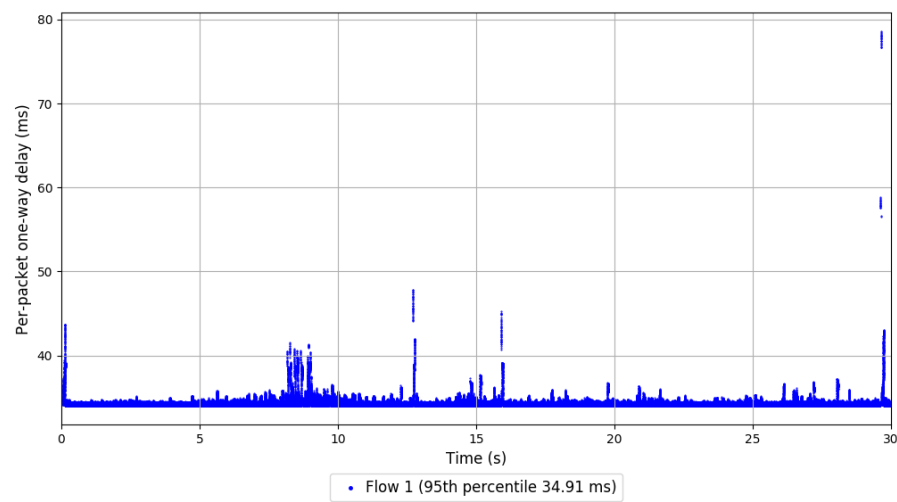
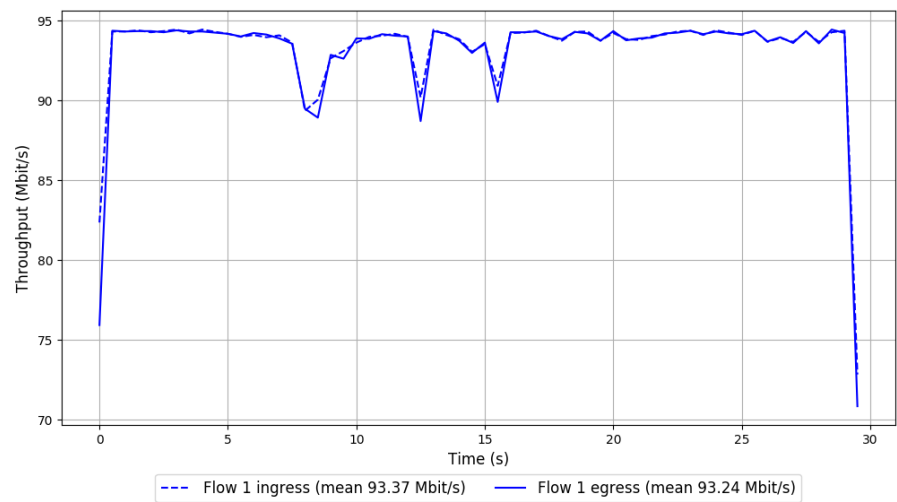
-- Flow 1:

Average throughput: 93.24 Mbit/s

95th percentile per-packet one-way delay: 34.909 ms

Loss rate: 0.22%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 22:08:55 +0000

End at: Sun, 16 Jul 2017 22:09:25 +0000

Local clock offset: 2.953 ms

Remote clock offset: -14.348 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:43:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 39.139 ms

Loss rate: 0.48%

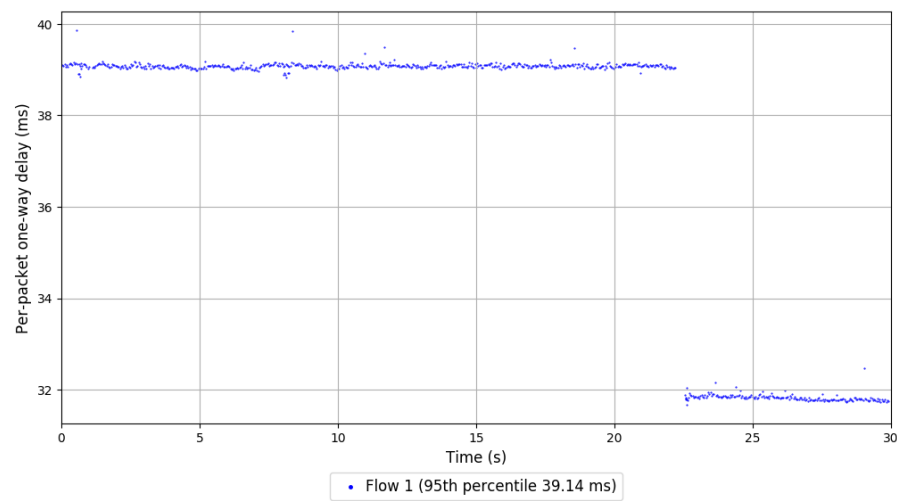
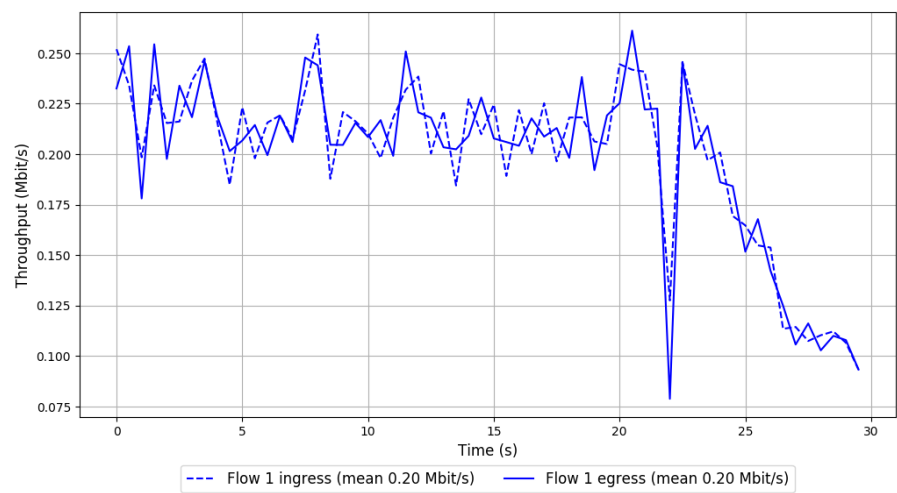
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 39.139 ms

Loss rate: 0.48%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 22:26:29 +0000

End at: Sun, 16 Jul 2017 22:26:59 +0000

Local clock offset: 3.596 ms

Remote clock offset: -13.296 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:43:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.832 ms

Loss rate: 0.13%

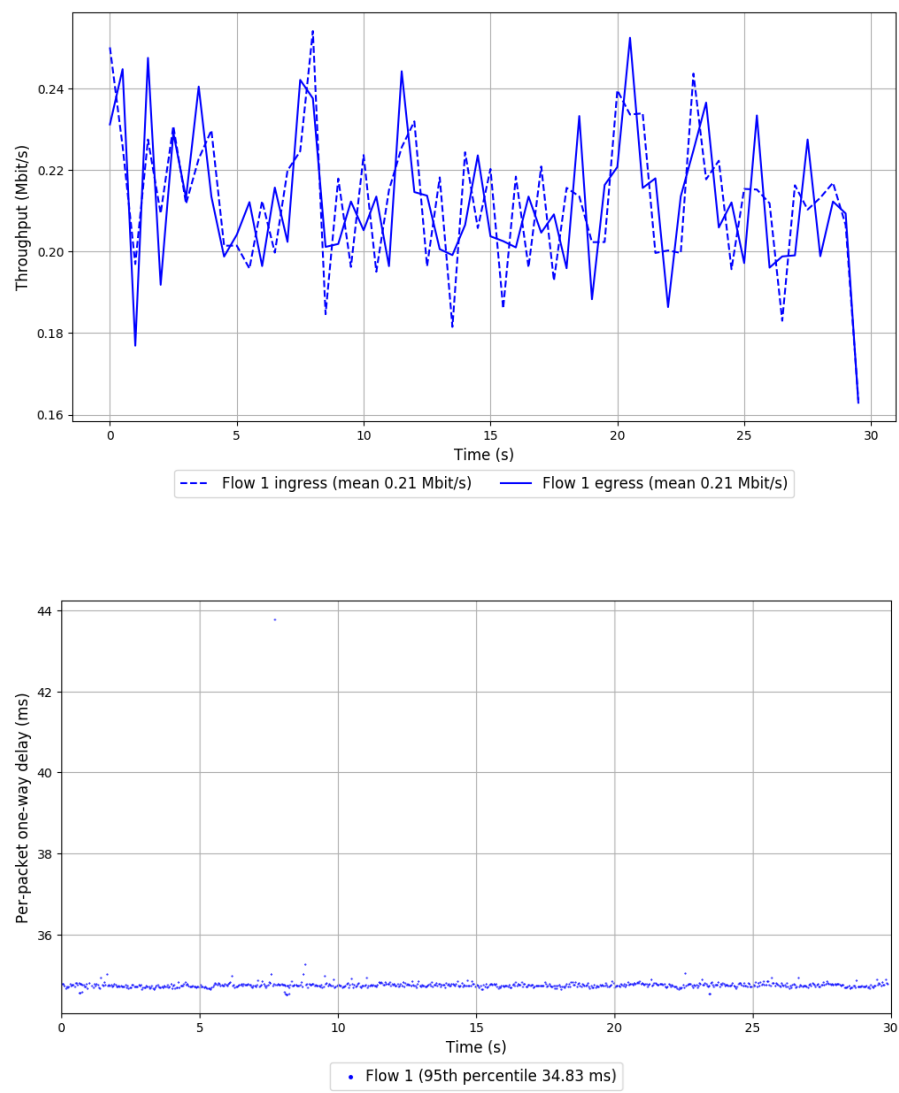
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.832 ms

Loss rate: 0.13%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 22:44:01 +0000

End at: Sun, 16 Jul 2017 22:44:31 +0000

Local clock offset: 1.642 ms

Remote clock offset: -12.464 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:43:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.008 ms

Loss rate: 0.13%

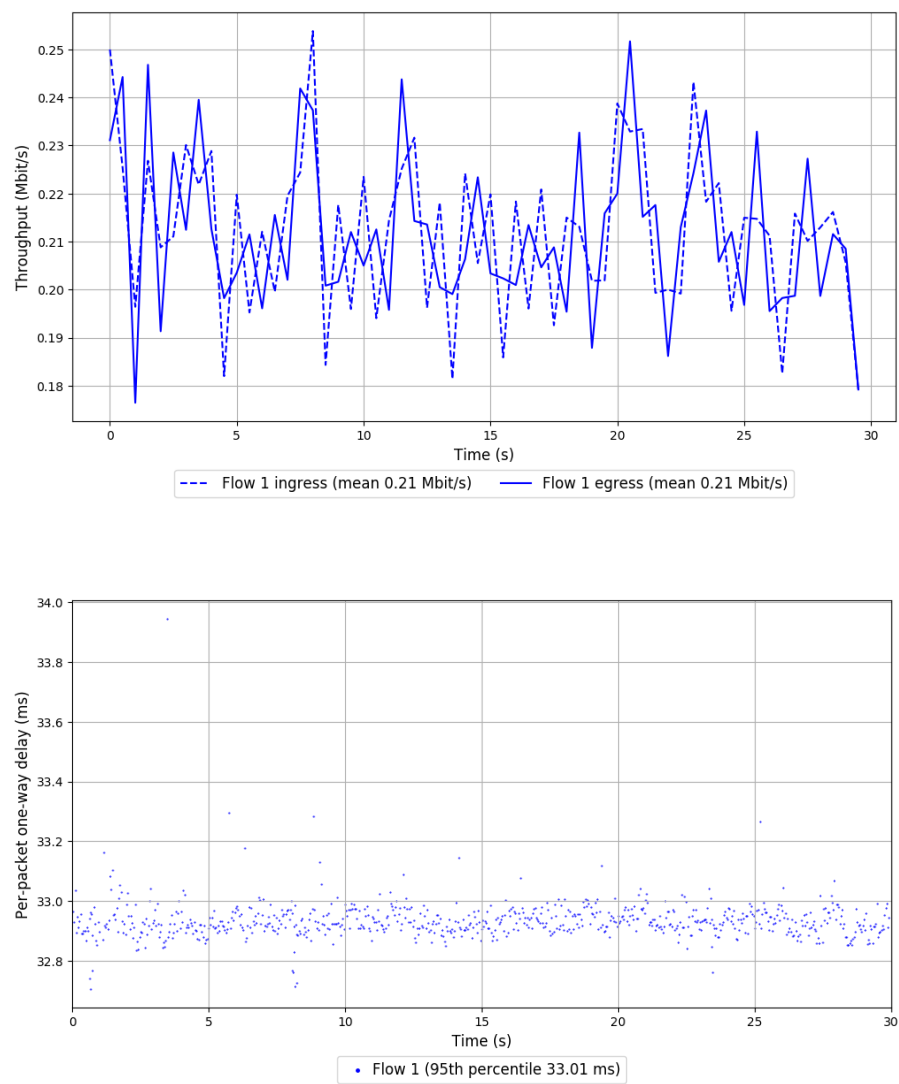
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.008 ms

Loss rate: 0.13%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 23:01:24 +0000

End at: Sun, 16 Jul 2017 23:01:54 +0000

Local clock offset: 3.224 ms

Remote clock offset: -11.677 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:43:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.717 ms

Loss rate: 0.13%

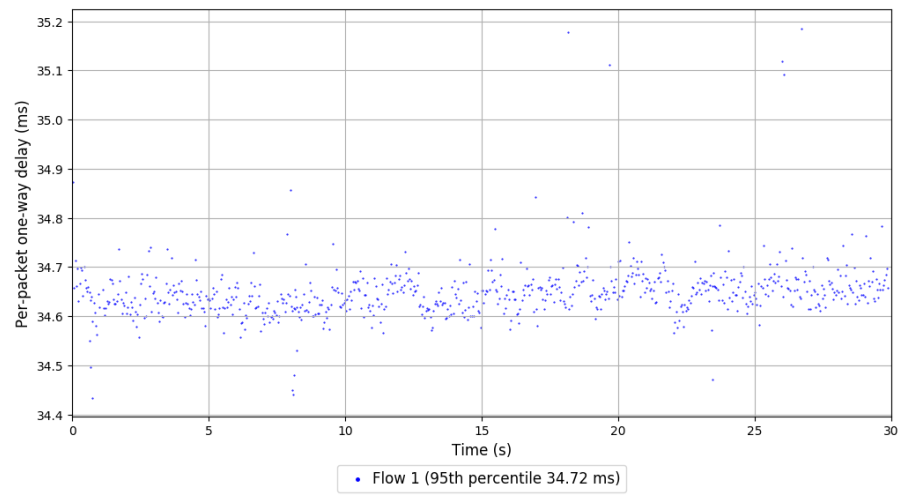
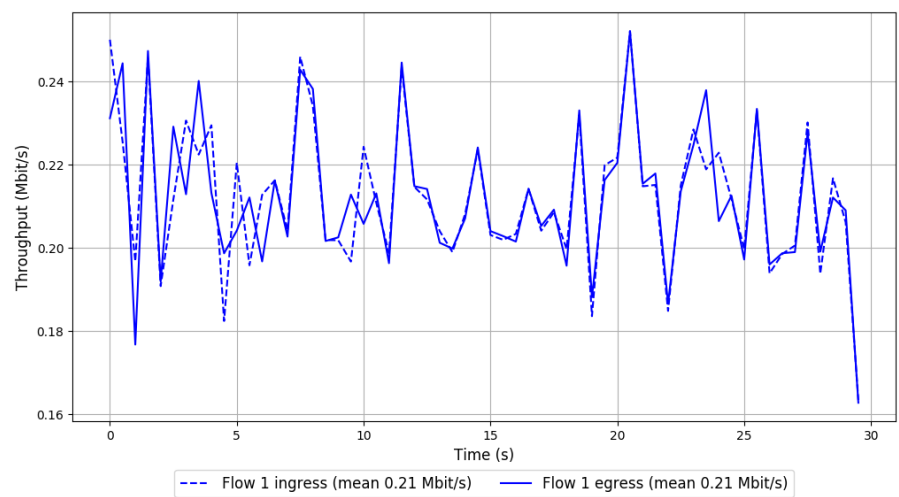
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.717 ms

Loss rate: 0.13%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 23:18:58 +0000

End at: Sun, 16 Jul 2017 23:19:28 +0000

Local clock offset: 2.216 ms

Remote clock offset: -11.108 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:43:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.875 ms

Loss rate: 0.13%

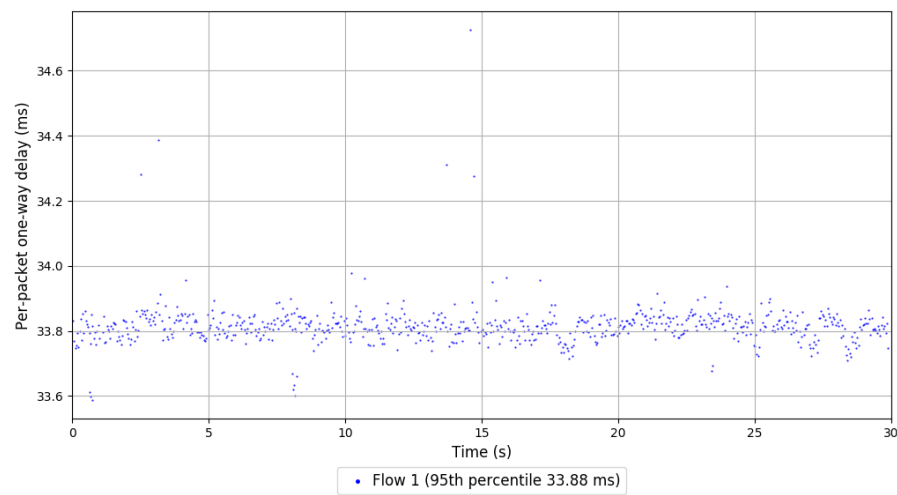
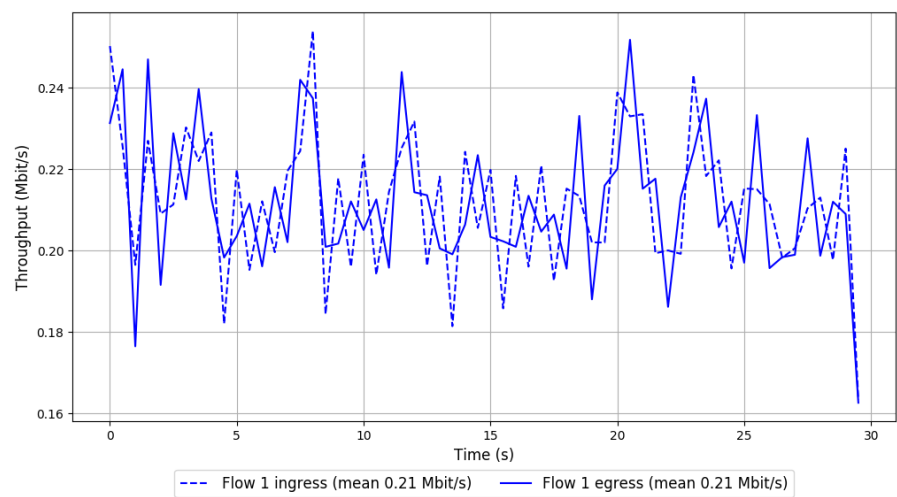
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.875 ms

Loss rate: 0.13%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 23:36:33 +0000

End at: Sun, 16 Jul 2017 23:37:03 +0000

Local clock offset: -1.332 ms

Remote clock offset: -12.212 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:43:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 31.832 ms

Loss rate: 0.13%

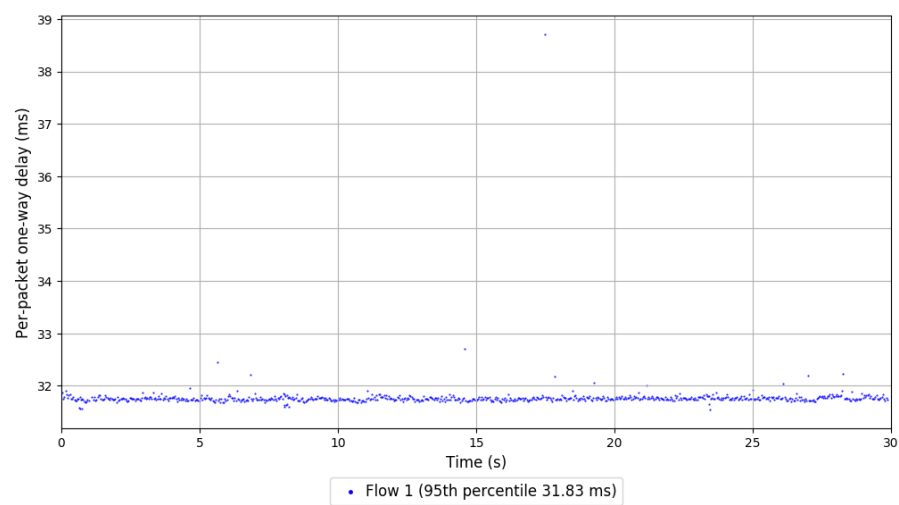
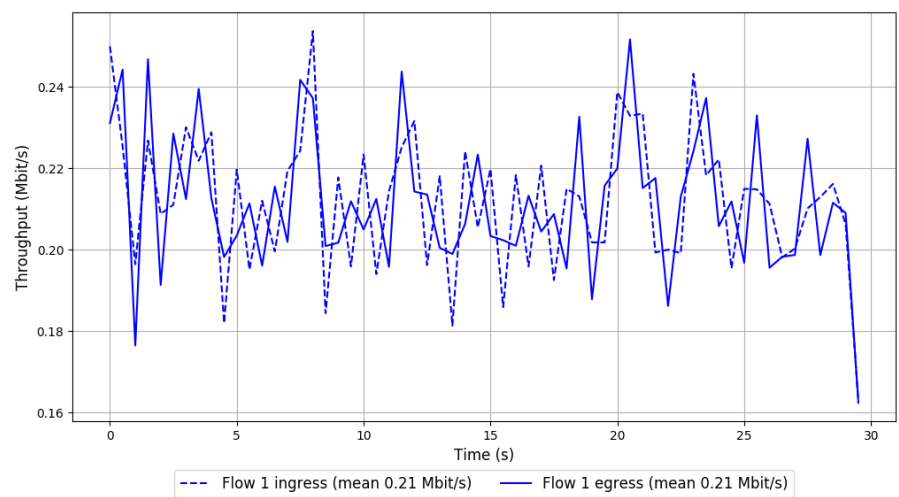
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 31.832 ms

Loss rate: 0.13%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 23:54:01 +0000

End at: Sun, 16 Jul 2017 23:54:31 +0000

Local clock offset: 1.759 ms

Remote clock offset: -11.219 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:43:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.950 ms

Loss rate: 0.13%

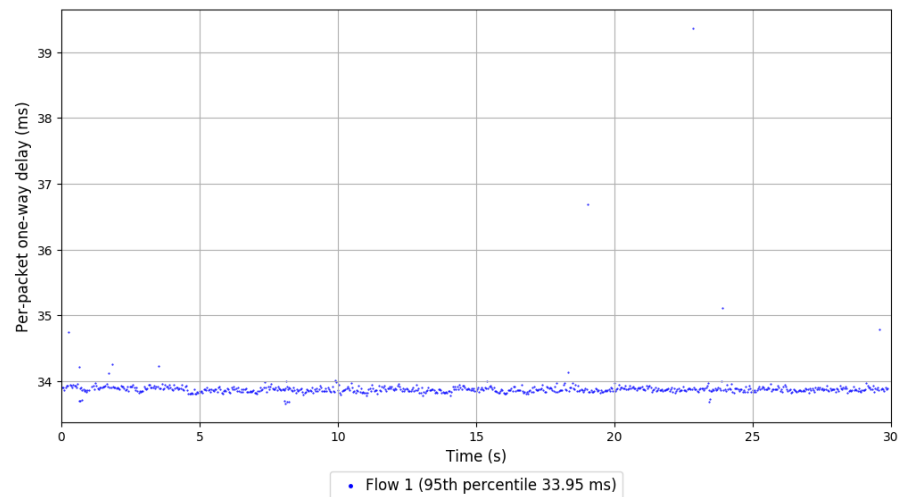
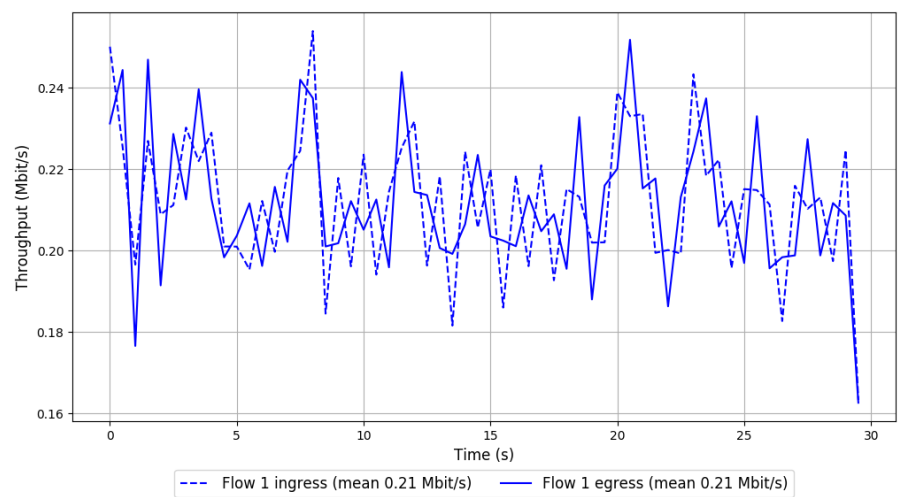
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.950 ms

Loss rate: 0.13%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Mon, 17 Jul 2017 00:11:31 +0000

End at: Mon, 17 Jul 2017 00:12:01 +0000

Local clock offset: 1.559 ms

Remote clock offset: -11.952 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:43:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.598 ms

Loss rate: 0.13%

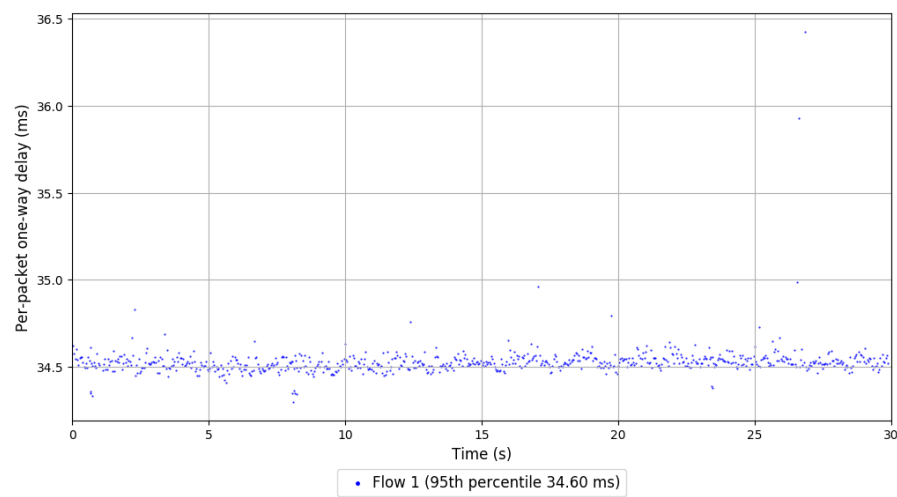
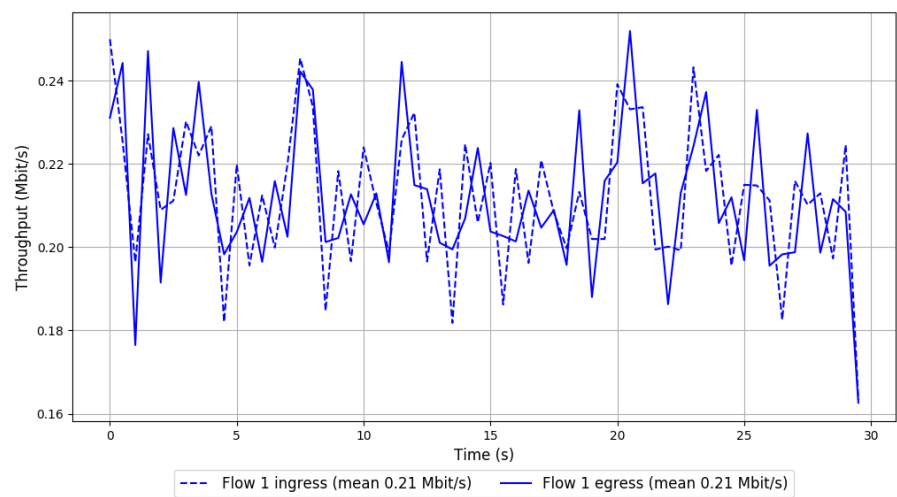
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.598 ms

Loss rate: 0.13%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Mon, 17 Jul 2017 00:29:04 +0000

End at: Mon, 17 Jul 2017 00:29:34 +0000

Local clock offset: 2.903 ms

Remote clock offset: -10.541 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:43:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.787 ms

Loss rate: 0.13%

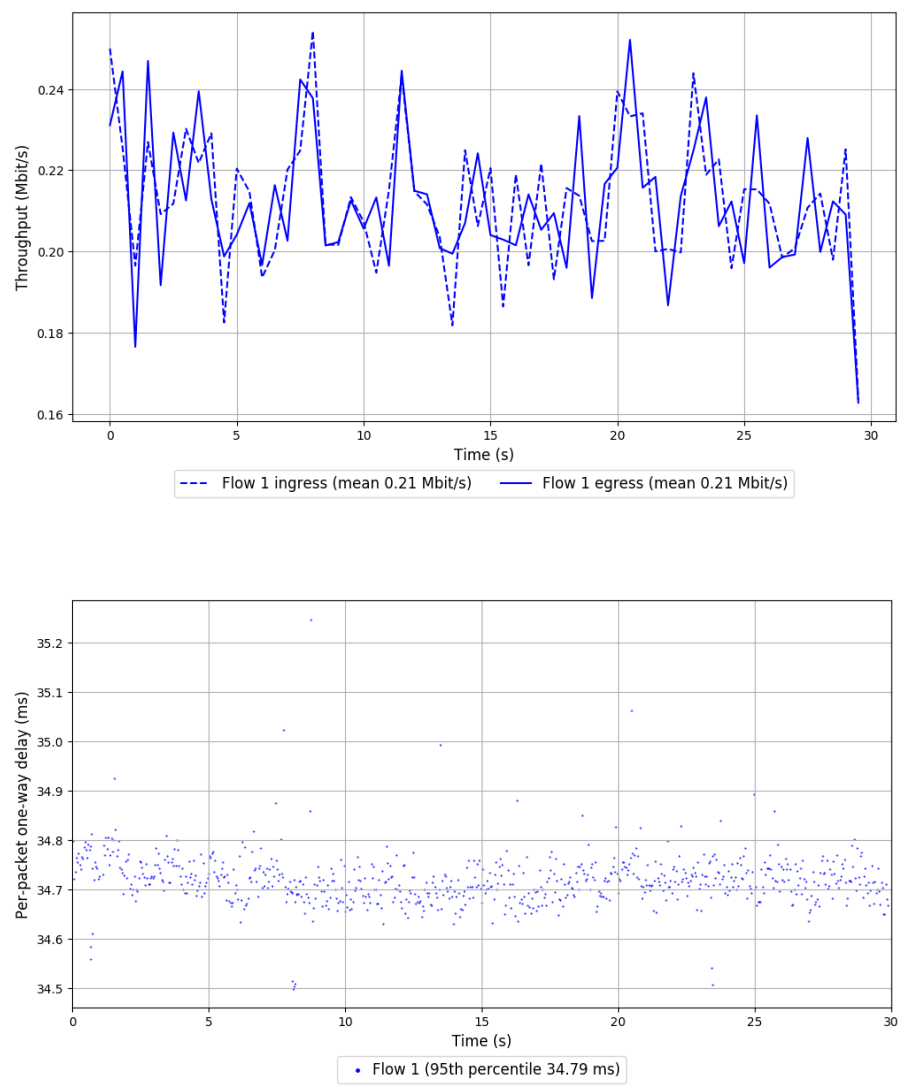
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 34.787 ms

Loss rate: 0.13%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: Mon, 17 Jul 2017 00:46:29 +0000

End at: Mon, 17 Jul 2017 00:46:59 +0000

Local clock offset: 0.918 ms

Remote clock offset: -10.605 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:43:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.239 ms

Loss rate: 0.13%

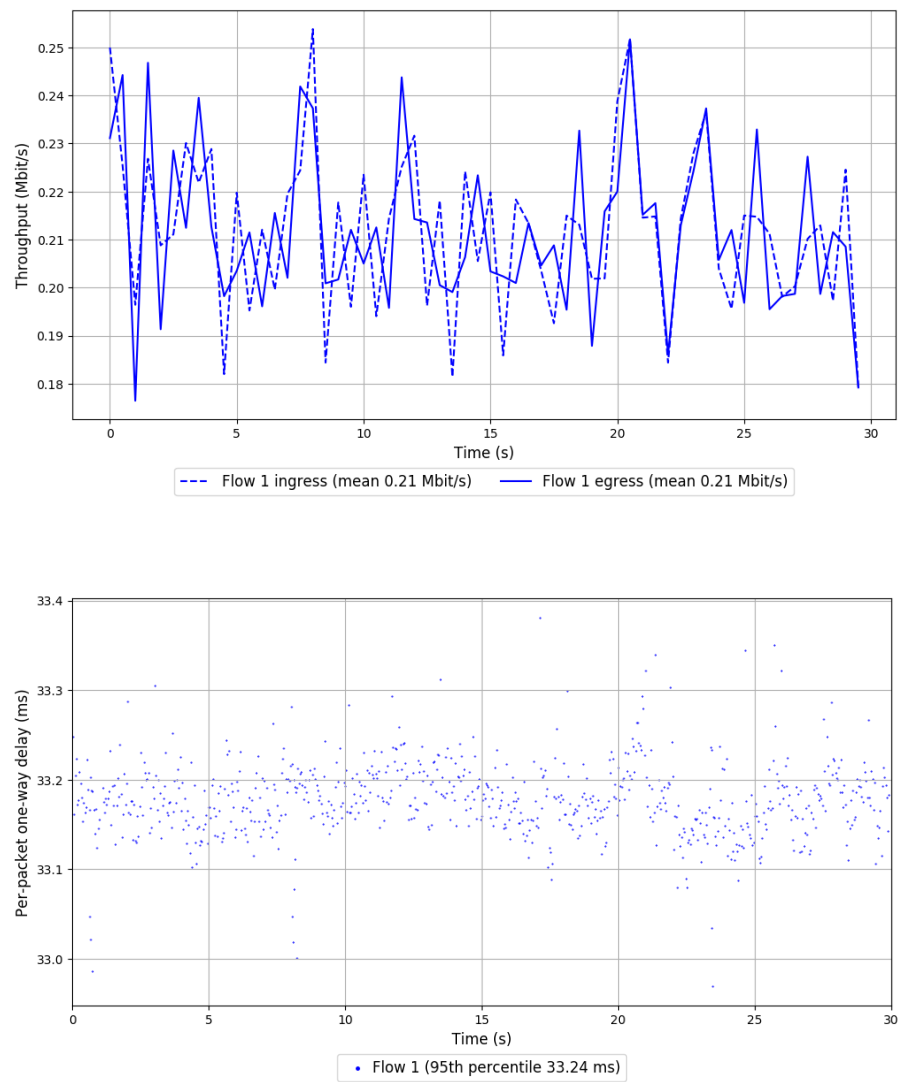
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.239 ms

Loss rate: 0.13%

Run 10: Report of SCRaM — Data Link



Run 1: Statistics of Sprout

Start at: Sun, 16 Jul 2017 22:16:06 +0000

End at: Sun, 16 Jul 2017 22:16:36 +0000

Local clock offset: 2.354 ms

Remote clock offset: -14.948 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:43:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.38 Mbit/s

95th percentile per-packet one-way delay: 41.716 ms

Loss rate: 0.14%

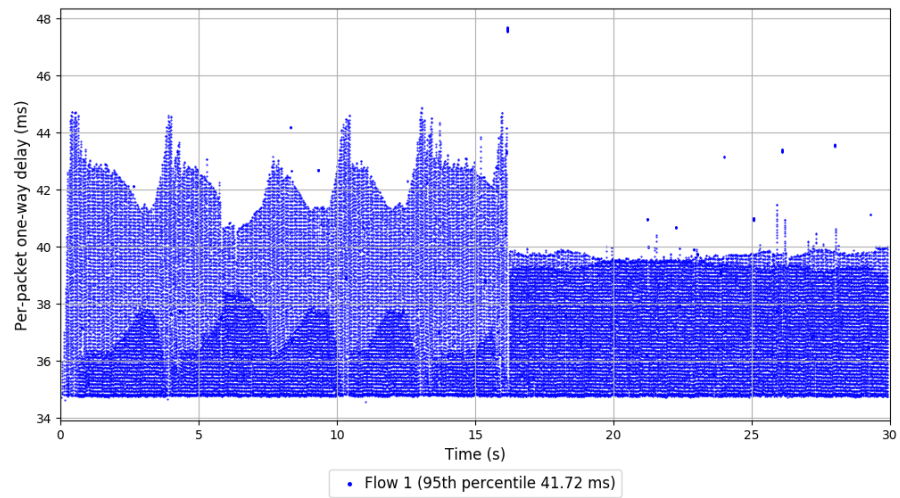
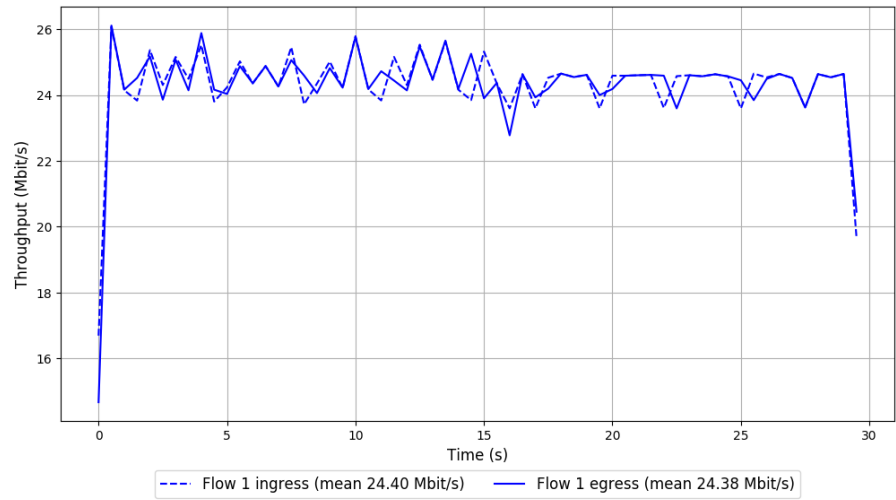
-- Flow 1:

Average throughput: 24.38 Mbit/s

95th percentile per-packet one-way delay: 41.716 ms

Loss rate: 0.14%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Sun, 16 Jul 2017 22:33:35 +0000

End at: Sun, 16 Jul 2017 22:34:05 +0000

Local clock offset: 1.884 ms

Remote clock offset: -12.582 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:43:59 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.63 Mbit/s

95th percentile per-packet one-way delay: 40.434 ms

Loss rate: 0.02%

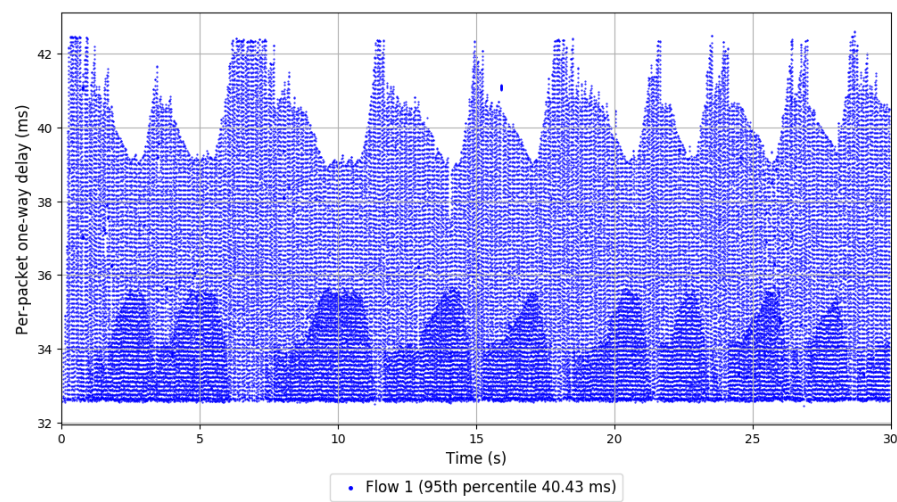
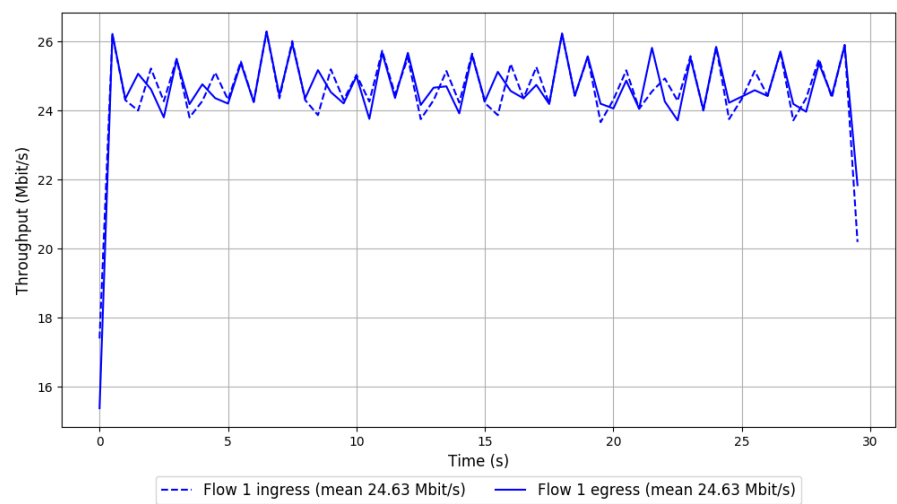
-- Flow 1:

Average throughput: 24.63 Mbit/s

95th percentile per-packet one-way delay: 40.434 ms

Loss rate: 0.02%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sun, 16 Jul 2017 22:51:00 +0000

End at: Sun, 16 Jul 2017 22:51:30 +0000

Local clock offset: 0.674 ms

Remote clock offset: -12.757 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:44:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.39 Mbit/s

95th percentile per-packet one-way delay: 39.717 ms

Loss rate: 0.14%

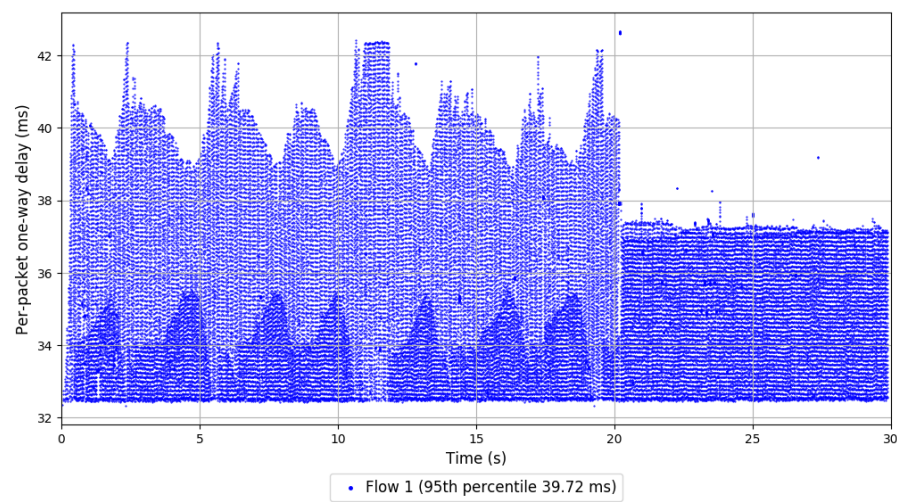
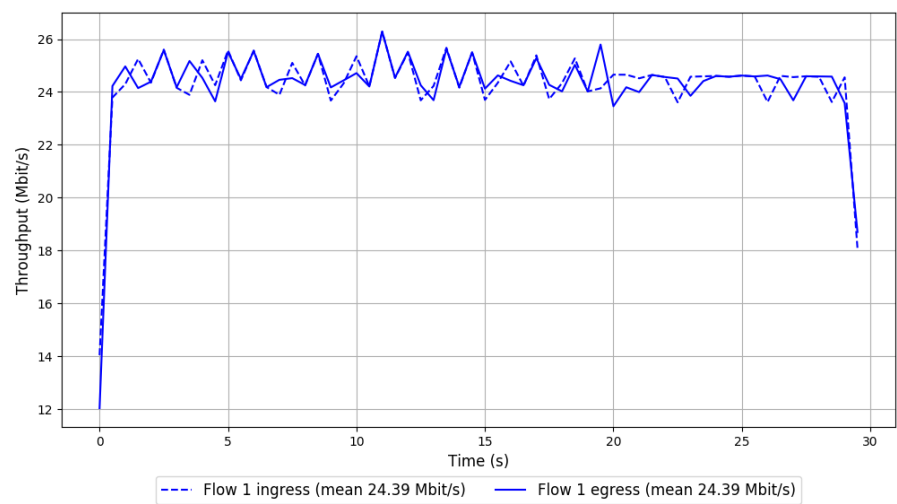
-- Flow 1:

Average throughput: 24.39 Mbit/s

95th percentile per-packet one-way delay: 39.717 ms

Loss rate: 0.14%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Sun, 16 Jul 2017 23:08:30 +0000

End at: Sun, 16 Jul 2017 23:09:00 +0000

Local clock offset: -0.529 ms

Remote clock offset: -11.211 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:44:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.48 Mbit/s

95th percentile per-packet one-way delay: 38.260 ms

Loss rate: 0.13%

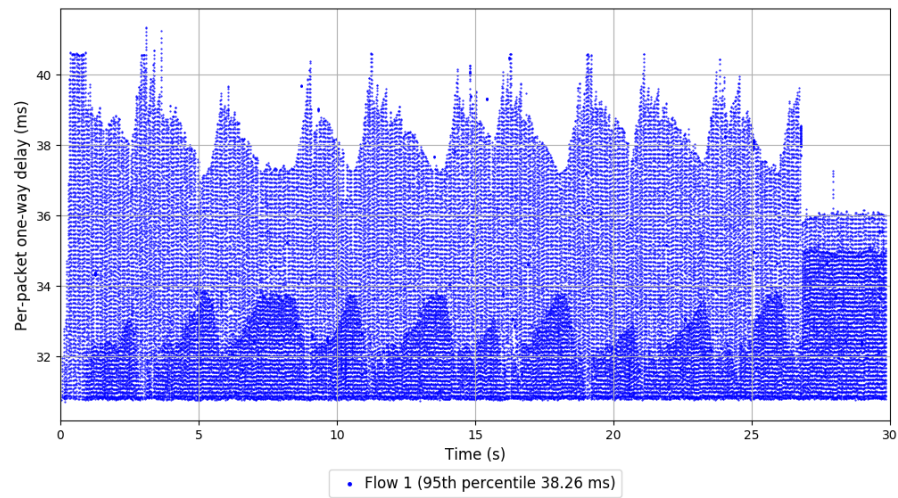
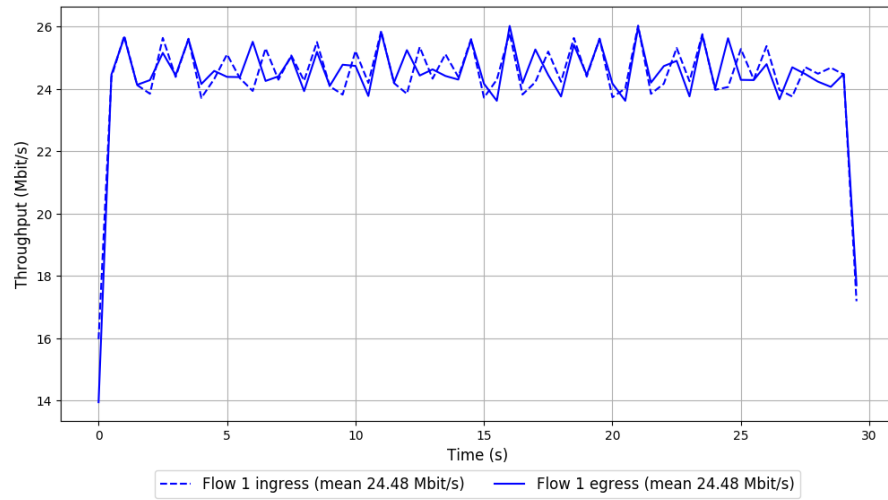
-- Flow 1:

Average throughput: 24.48 Mbit/s

95th percentile per-packet one-way delay: 38.260 ms

Loss rate: 0.13%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Sun, 16 Jul 2017 23:26:04 +0000

End at: Sun, 16 Jul 2017 23:26:34 +0000

Local clock offset: -0.778 ms

Remote clock offset: -12.621 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:44:07 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.57 Mbit/s

95th percentile per-packet one-way delay: 40.258 ms

Loss rate: 0.03%

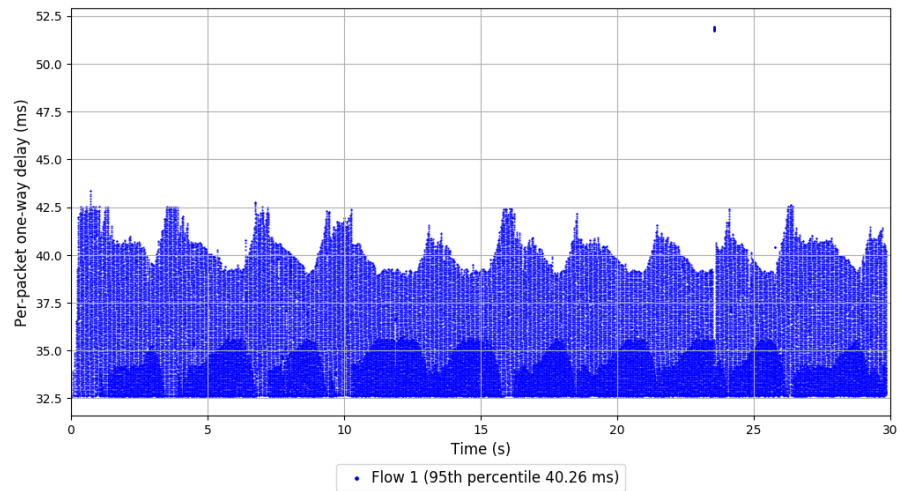
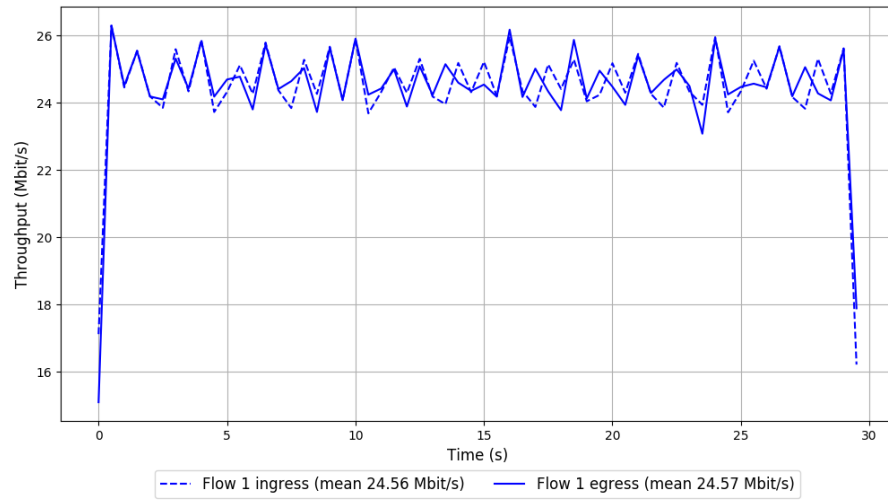
-- Flow 1:

Average throughput: 24.57 Mbit/s

95th percentile per-packet one-way delay: 40.258 ms

Loss rate: 0.03%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Sun, 16 Jul 2017 23:43:32 +0000

End at: Sun, 16 Jul 2017 23:44:02 +0000

Local clock offset: -0.865 ms

Remote clock offset: -10.01 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:44:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.38 Mbit/s

95th percentile per-packet one-way delay: 36.362 ms

Loss rate: 0.09%

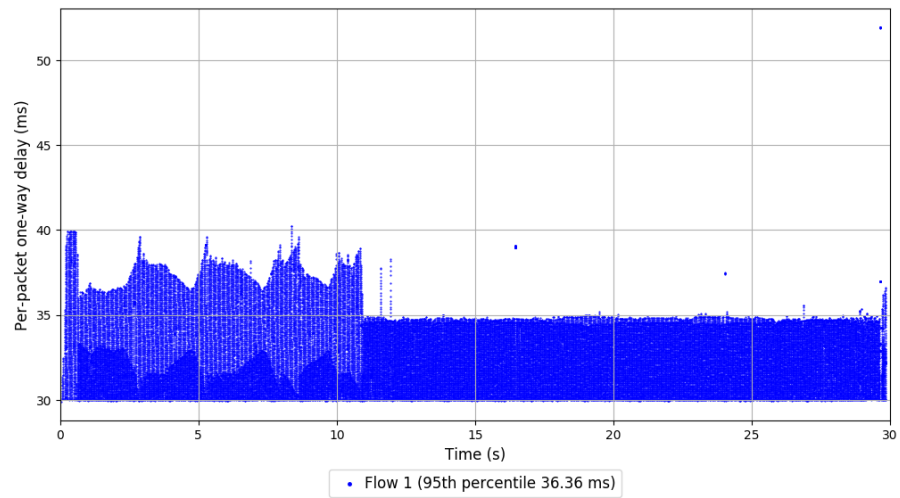
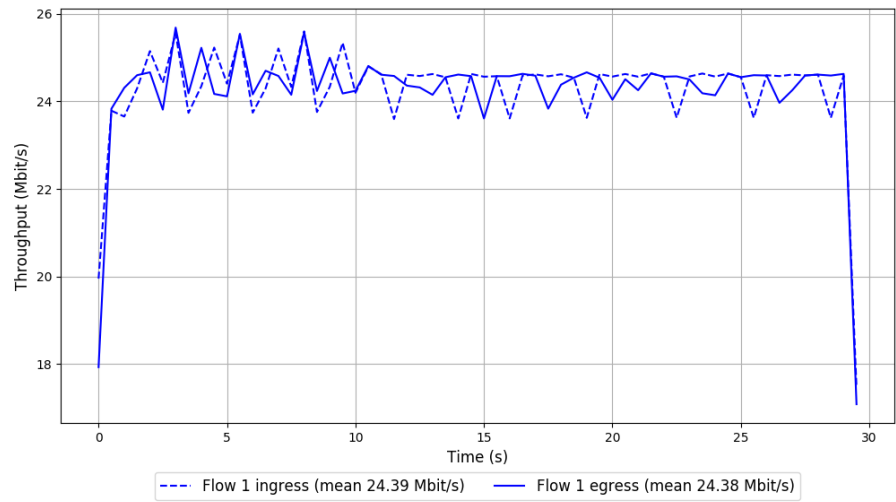
-- Flow 1:

Average throughput: 24.38 Mbit/s

95th percentile per-packet one-way delay: 36.362 ms

Loss rate: 0.09%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Mon, 17 Jul 2017 00:01:02 +0000

End at: Mon, 17 Jul 2017 00:01:32 +0000

Local clock offset: 1.976 ms

Remote clock offset: -10.902 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:44:11 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.60 Mbit/s

95th percentile per-packet one-way delay: 41.578 ms

Loss rate: 0.05%

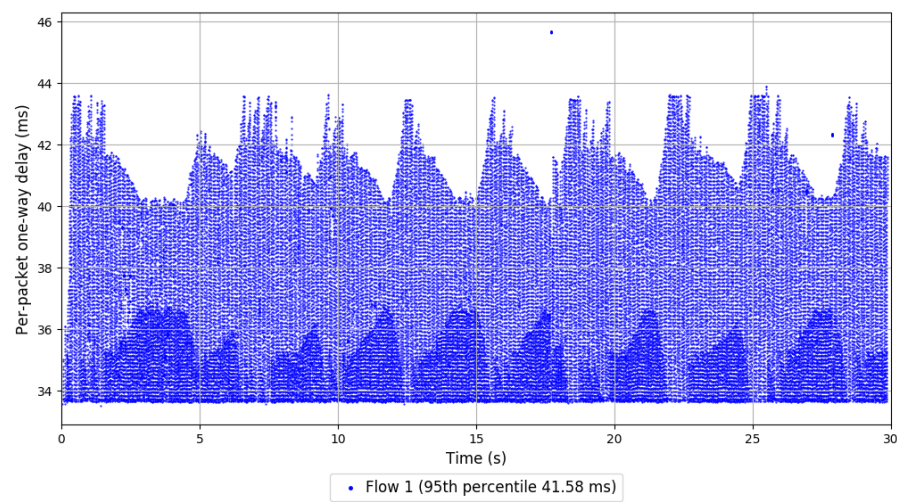
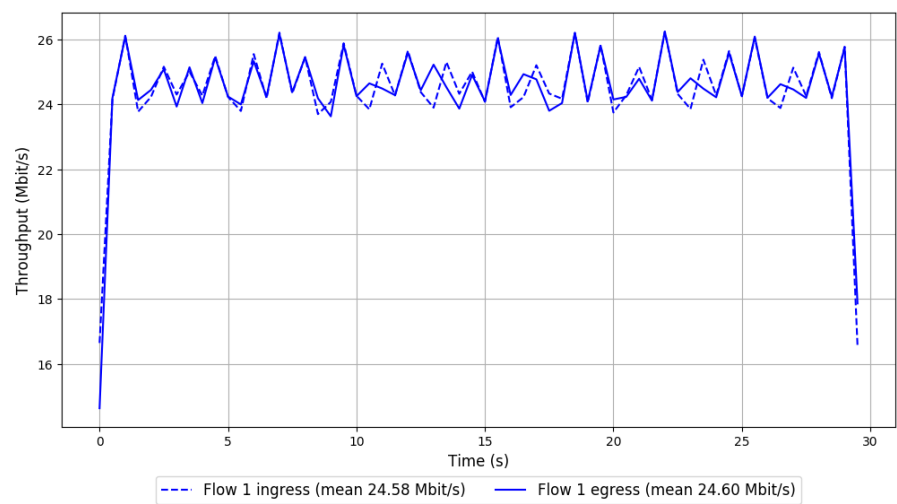
-- Flow 1:

Average throughput: 24.60 Mbit/s

95th percentile per-packet one-way delay: 41.578 ms

Loss rate: 0.05%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Mon, 17 Jul 2017 00:18:31 +0000

End at: Mon, 17 Jul 2017 00:19:01 +0000

Local clock offset: -0.834 ms

Remote clock offset: -10.992 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:44:12 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.31 Mbit/s

95th percentile per-packet one-way delay: 37.715 ms

Loss rate: 0.14%

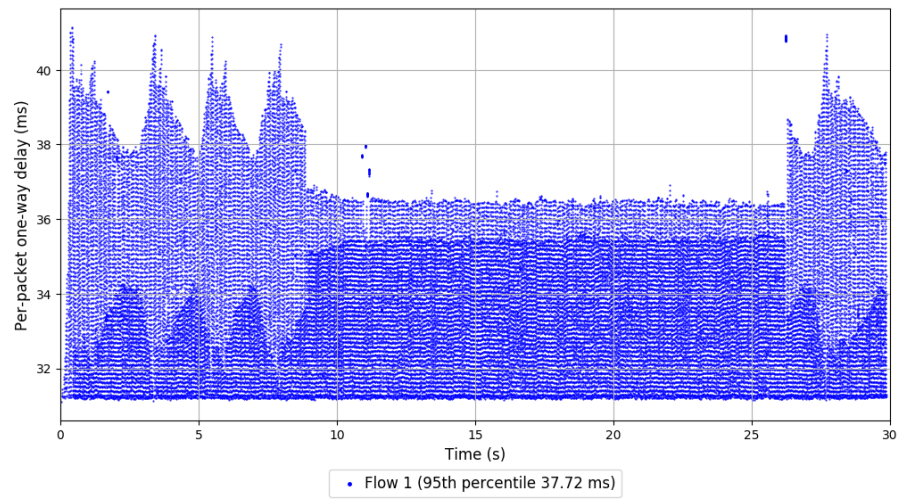
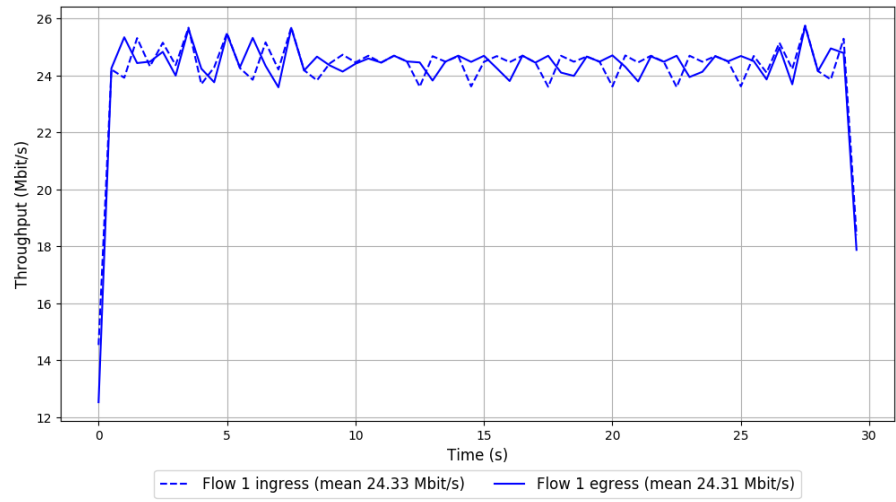
-- Flow 1:

Average throughput: 24.31 Mbit/s

95th percentile per-packet one-way delay: 37.715 ms

Loss rate: 0.14%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Mon, 17 Jul 2017 00:36:00 +0000

End at: Mon, 17 Jul 2017 00:36:30 +0000

Local clock offset: 2.604 ms

Remote clock offset: -10.434 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:44:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.53 Mbit/s

95th percentile per-packet one-way delay: 42.260 ms

Loss rate: 0.02%

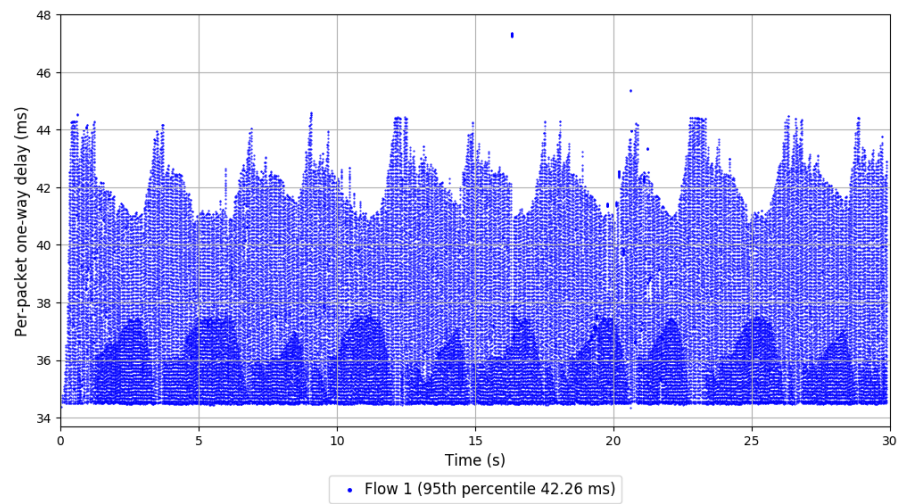
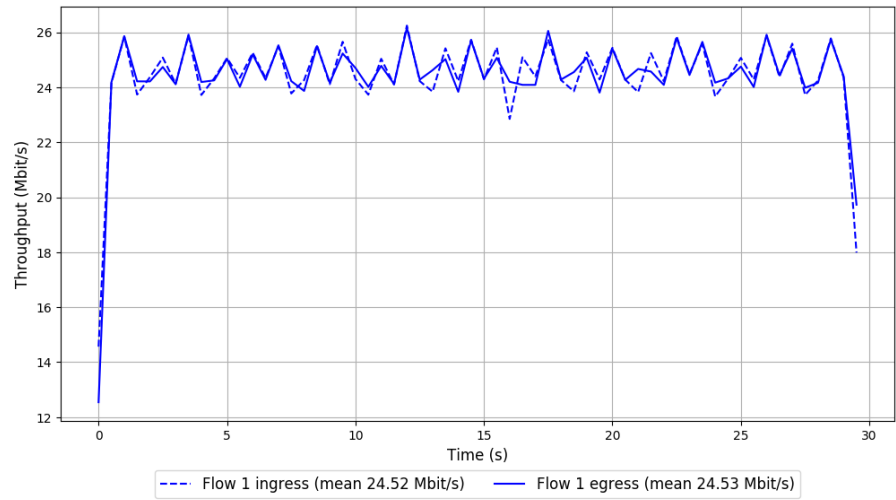
-- Flow 1:

Average throughput: 24.53 Mbit/s

95th percentile per-packet one-way delay: 42.260 ms

Loss rate: 0.02%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Mon, 17 Jul 2017 00:53:33 +0000

End at: Mon, 17 Jul 2017 00:54:03 +0000

Local clock offset: -1.237 ms

Remote clock offset: -10.019 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:44:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.26 Mbit/s

95th percentile per-packet one-way delay: 35.306 ms

Loss rate: 0.07%

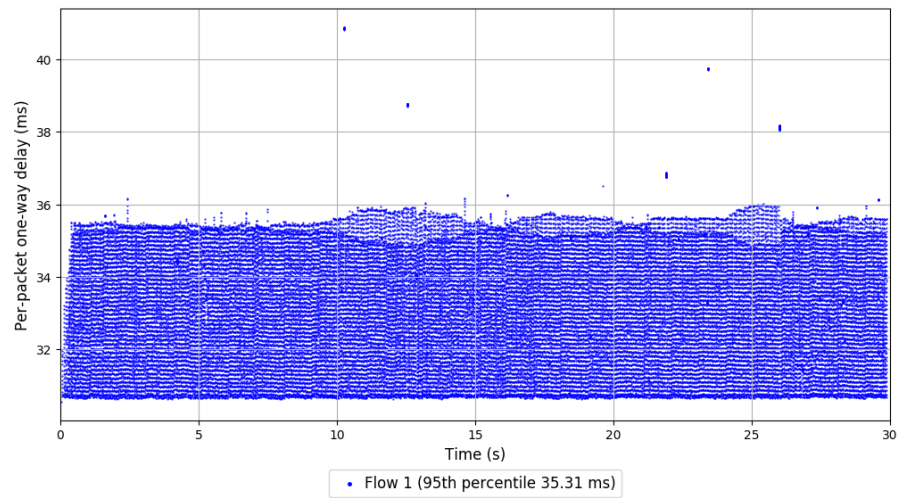
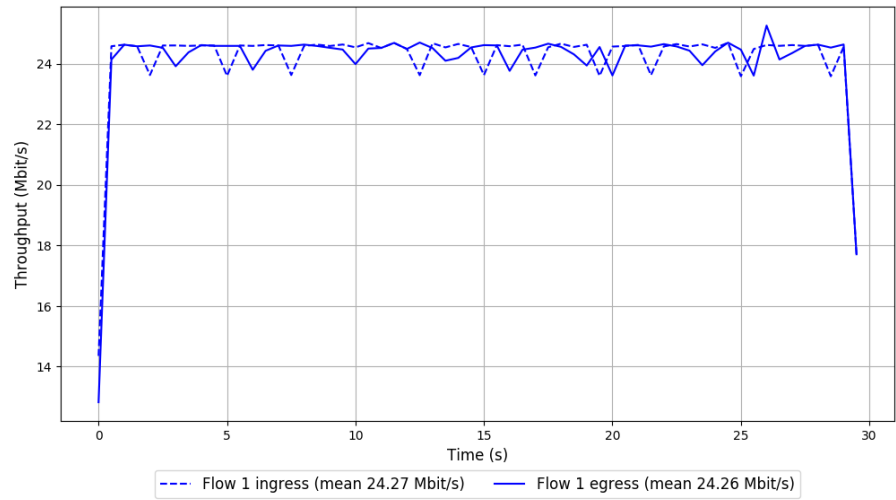
-- Flow 1:

Average throughput: 24.26 Mbit/s

95th percentile per-packet one-way delay: 35.306 ms

Loss rate: 0.07%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 22:14:48 +0000

End at: Sun, 16 Jul 2017 22:15:18 +0000

Local clock offset: 0.47 ms

Remote clock offset: -12.597 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:44:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.25 Mbit/s

95th percentile per-packet one-way delay: 34.034 ms

Loss rate: 0.20%

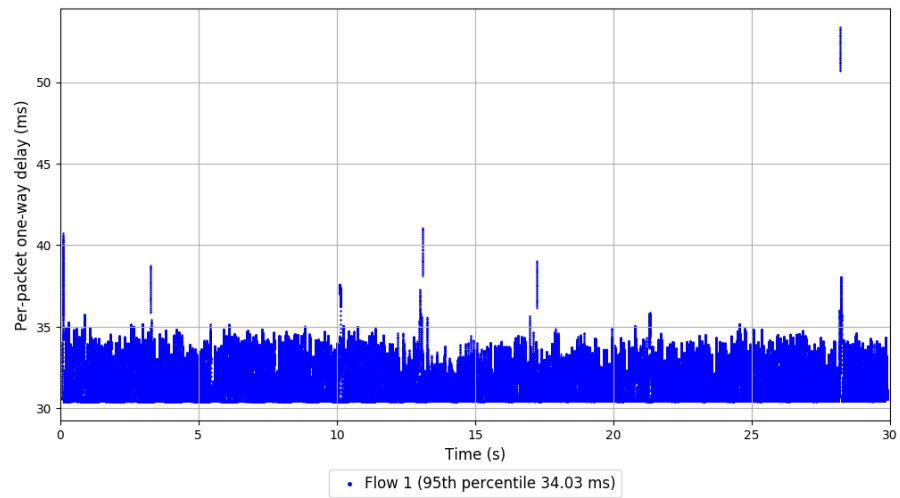
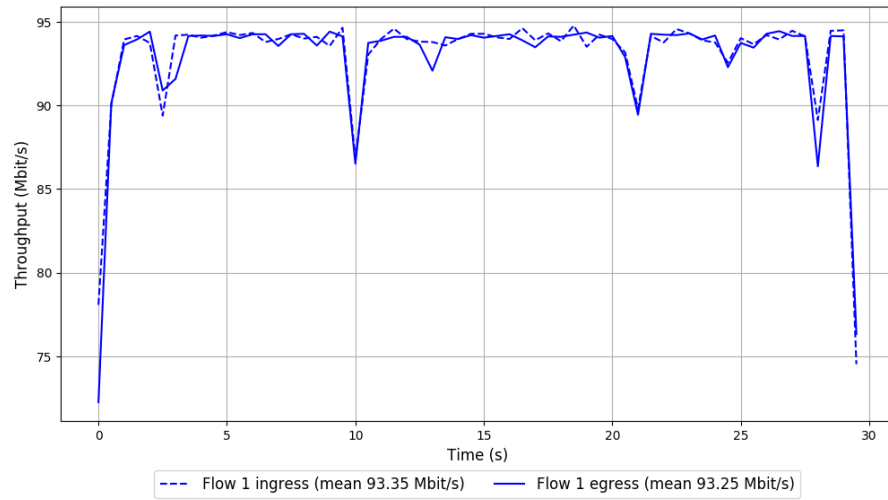
-- Flow 1:

Average throughput: 93.25 Mbit/s

95th percentile per-packet one-way delay: 34.034 ms

Loss rate: 0.20%

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



Run 2: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 22:32:18 +0000

End at: Sun, 16 Jul 2017 22:32:48 +0000

Local clock offset: 0.018 ms

Remote clock offset: -12.579 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:44:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.05 Mbit/s

95th percentile per-packet one-way delay: 34.175 ms

Loss rate: 0.33%

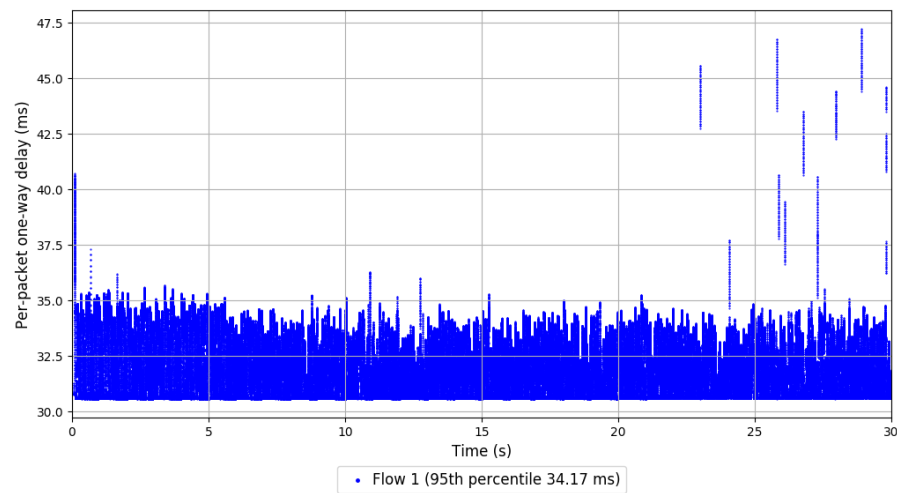
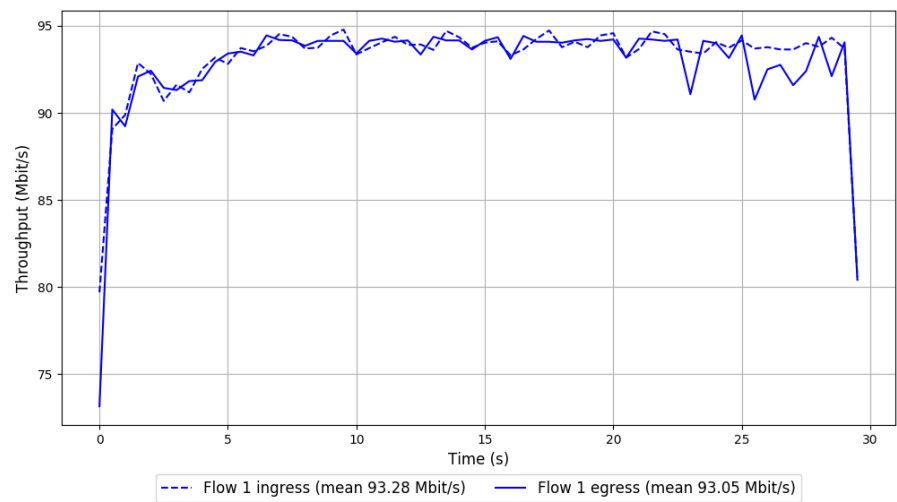
-- Flow 1:

Average throughput: 93.05 Mbit/s

95th percentile per-packet one-way delay: 34.175 ms

Loss rate: 0.33%

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



Run 3: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 22:49:43 +0000

End at: Sun, 16 Jul 2017 22:50:13 +0000

Local clock offset: -0.871 ms

Remote clock offset: -13.15 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:45:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.92 Mbit/s

95th percentile per-packet one-way delay: 34.955 ms

Loss rate: 0.32%

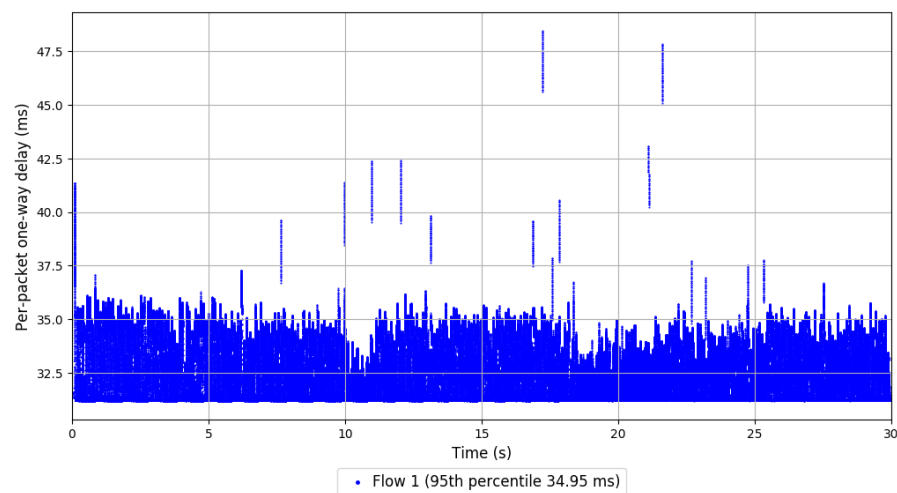
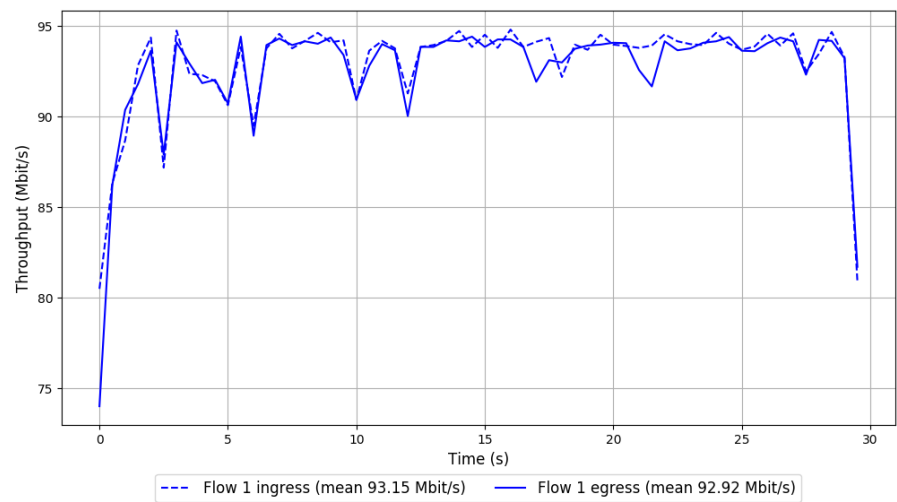
-- Flow 1:

Average throughput: 92.92 Mbit/s

95th percentile per-packet one-way delay: 34.955 ms

Loss rate: 0.32%

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



Run 4: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 23:07:12 +0000

End at: Sun, 16 Jul 2017 23:07:42 +0000

Local clock offset: -0.892 ms

Remote clock offset: -11.719 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:45:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.52 Mbit/s

95th percentile per-packet one-way delay: 34.722 ms

Loss rate: 0.29%

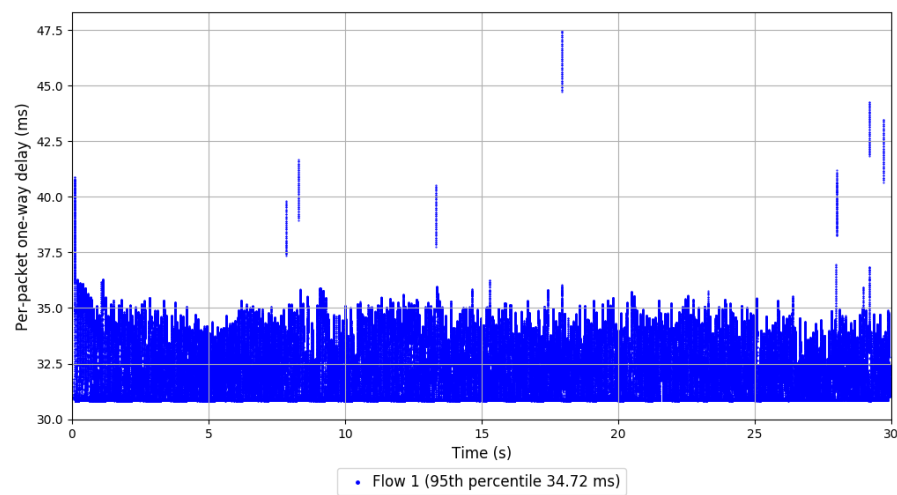
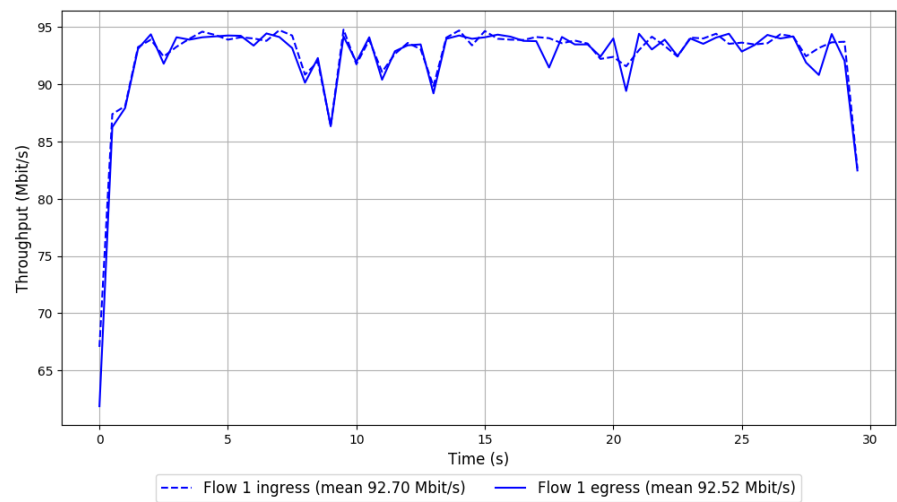
-- Flow 1:

Average throughput: 92.52 Mbit/s

95th percentile per-packet one-way delay: 34.722 ms

Loss rate: 0.29%

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



Run 5: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 23:24:47 +0000

End at: Sun, 16 Jul 2017 23:25:17 +0000

Local clock offset: 3.653 ms

Remote clock offset: -12.31 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:45:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.63 Mbit/s

95th percentile per-packet one-way delay: 40.557 ms

Loss rate: 0.40%

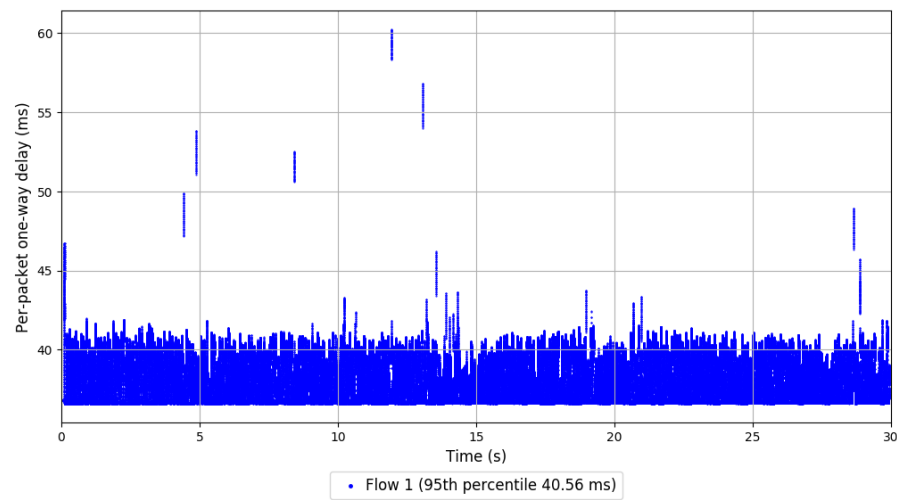
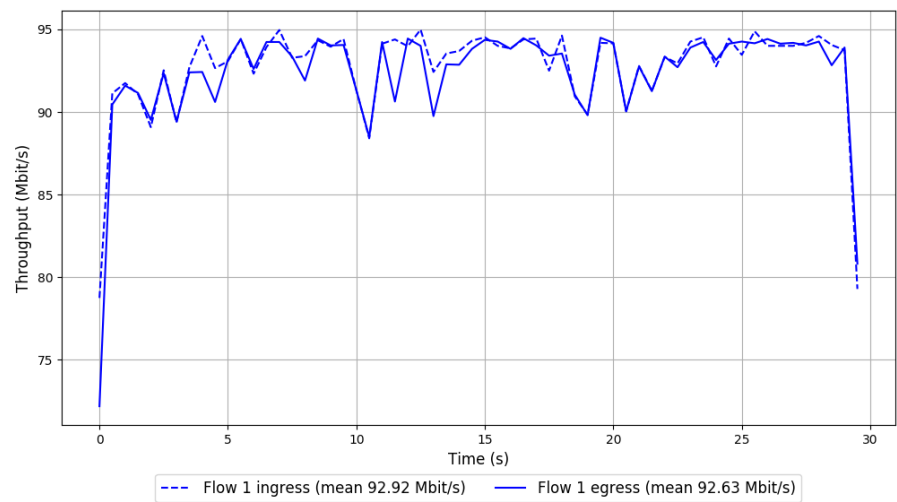
-- Flow 1:

Average throughput: 92.63 Mbit/s

95th percentile per-packet one-way delay: 40.557 ms

Loss rate: 0.40%

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



Run 6: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 23:42:12 +0000

End at: Sun, 16 Jul 2017 23:42:42 +0000

Local clock offset: 3.266 ms

Remote clock offset: -11.052 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:45:24 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.57 Mbit/s

95th percentile per-packet one-way delay: 38.793 ms

Loss rate: 0.53%

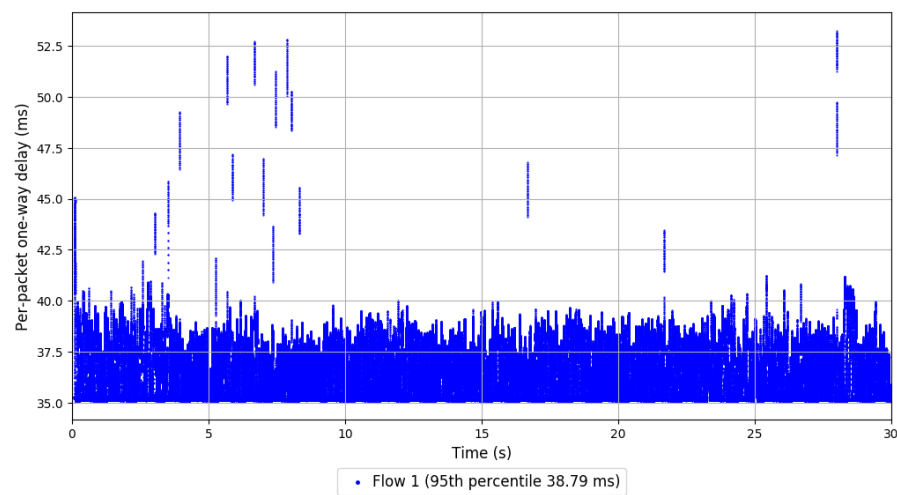
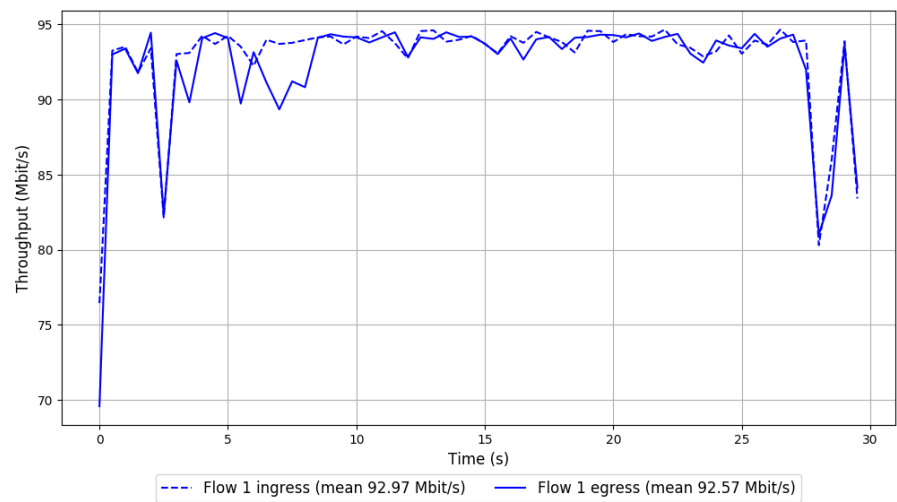
-- Flow 1:

Average throughput: 92.57 Mbit/s

95th percentile per-packet one-way delay: 38.793 ms

Loss rate: 0.53%

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



Run 7: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 23:59:46 +0000

End at: Mon, 17 Jul 2017 00:00:16 +0000

Local clock offset: 1.441 ms

Remote clock offset: -9.279 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:45:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.35 Mbit/s

95th percentile per-packet one-way delay: 35.063 ms

Loss rate: 0.17%

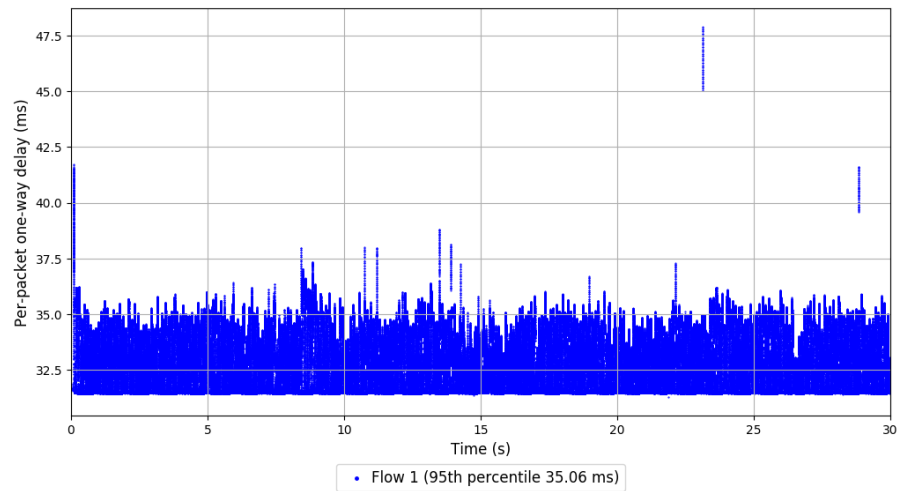
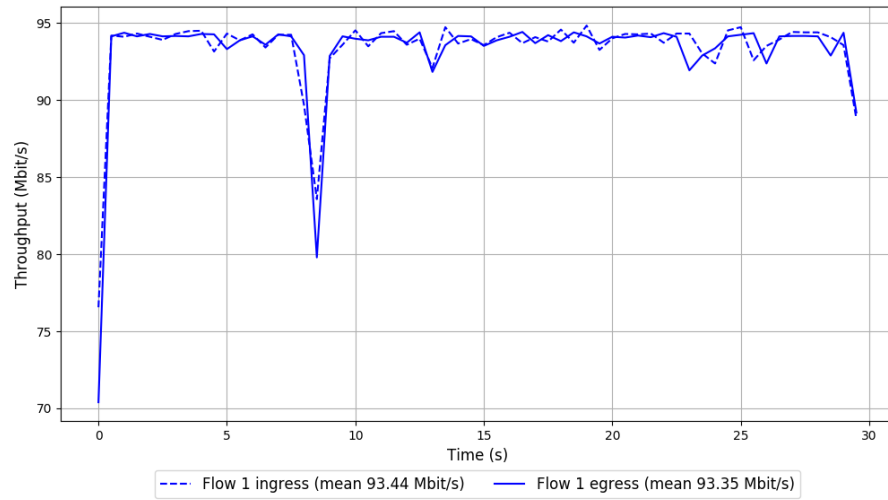
-- Flow 1:

Average throughput: 93.35 Mbit/s

95th percentile per-packet one-way delay: 35.063 ms

Loss rate: 0.17%

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



Run 8: Statistics of TaoVA-100x

Start at: Mon, 17 Jul 2017 00:17:16 +0000

End at: Mon, 17 Jul 2017 00:17:46 +0000

Local clock offset: 0.529 ms

Remote clock offset: -11.371 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:45:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.14 Mbit/s

95th percentile per-packet one-way delay: 36.962 ms

Loss rate: 0.28%

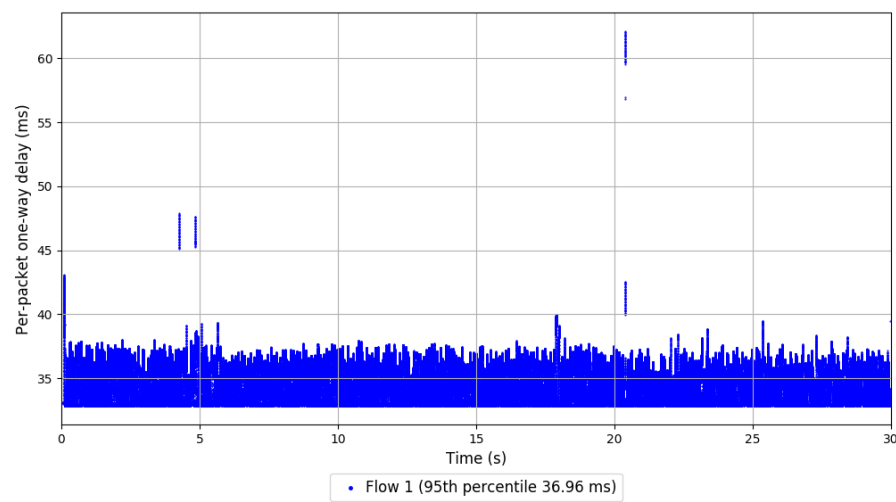
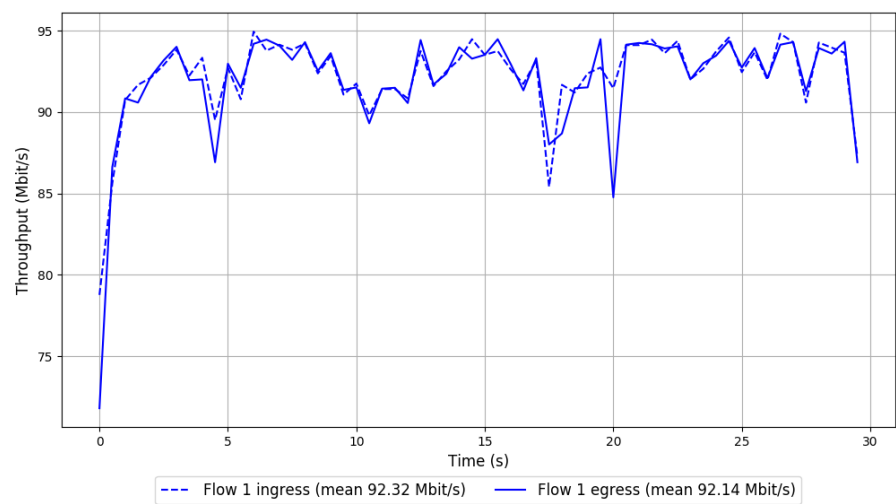
-- Flow 1:

Average throughput: 92.14 Mbit/s

95th percentile per-packet one-way delay: 36.962 ms

Loss rate: 0.28%

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



Run 9: Statistics of TaoVA-100x

Start at: Mon, 17 Jul 2017 00:34:42 +0000

End at: Mon, 17 Jul 2017 00:35:12 +0000

Local clock offset: 2.02 ms

Remote clock offset: -10.739 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:46:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.40 Mbit/s

95th percentile per-packet one-way delay: 37.773 ms

Loss rate: 0.25%

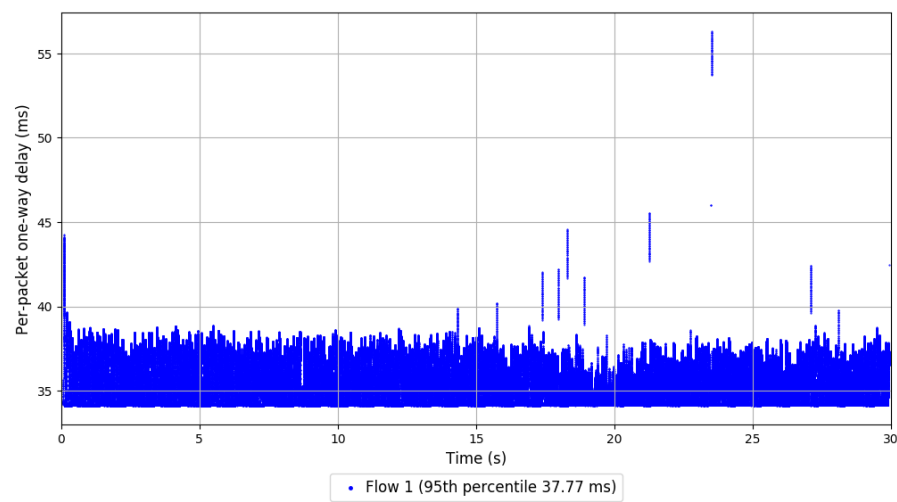
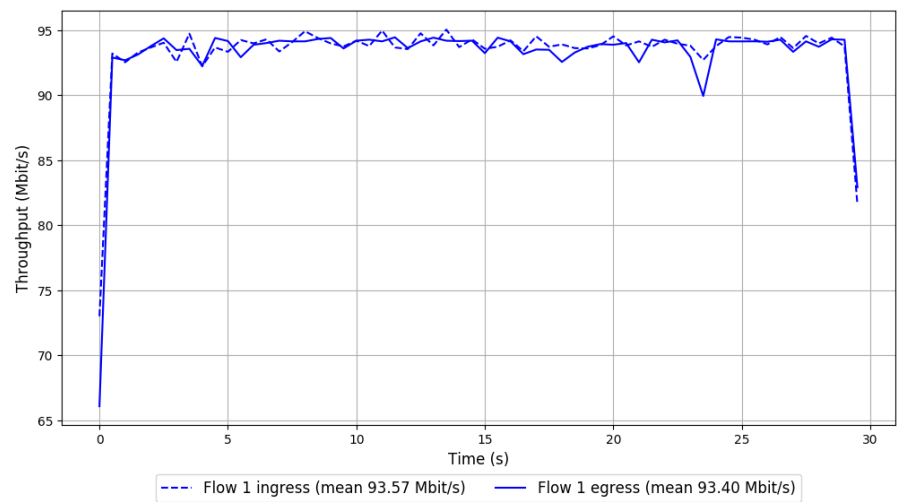
-- Flow 1:

Average throughput: 93.40 Mbit/s

95th percentile per-packet one-way delay: 37.773 ms

Loss rate: 0.25%

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



Run 10: Statistics of TaoVA-100x

Start at: Mon, 17 Jul 2017 00:52:16 +0000

End at: Mon, 17 Jul 2017 00:52:46 +0000

Local clock offset: -0.832 ms

Remote clock offset: -10.057 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:46:09 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.41 Mbit/s

95th percentile per-packet one-way delay: 34.942 ms

Loss rate: 0.53%

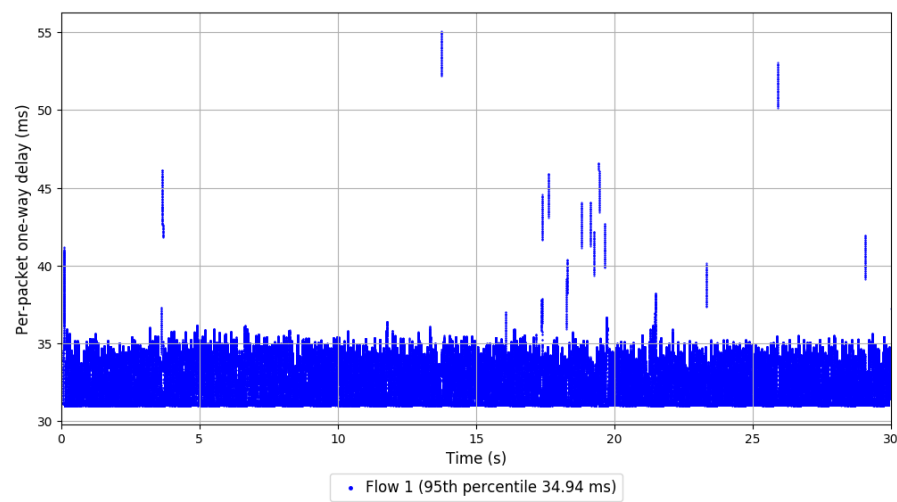
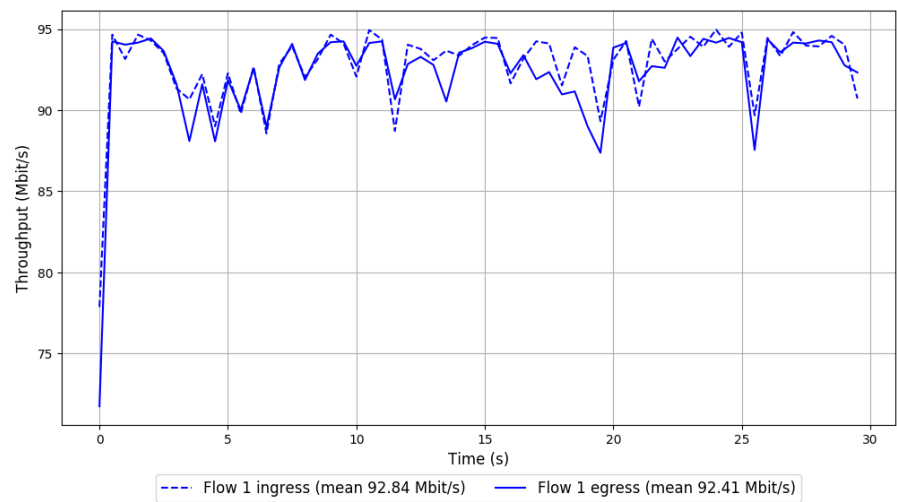
-- Flow 1:

Average throughput: 92.41 Mbit/s

95th percentile per-packet one-way delay: 34.942 ms

Loss rate: 0.53%

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



Run 1: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 22:19:27 +0000

End at: Sun, 16 Jul 2017 22:19:57 +0000

Local clock offset: 3.036 ms

Remote clock offset: -14.076 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:46:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.28 Mbit/s

95th percentile per-packet one-way delay: 46.778 ms

Loss rate: 0.36%

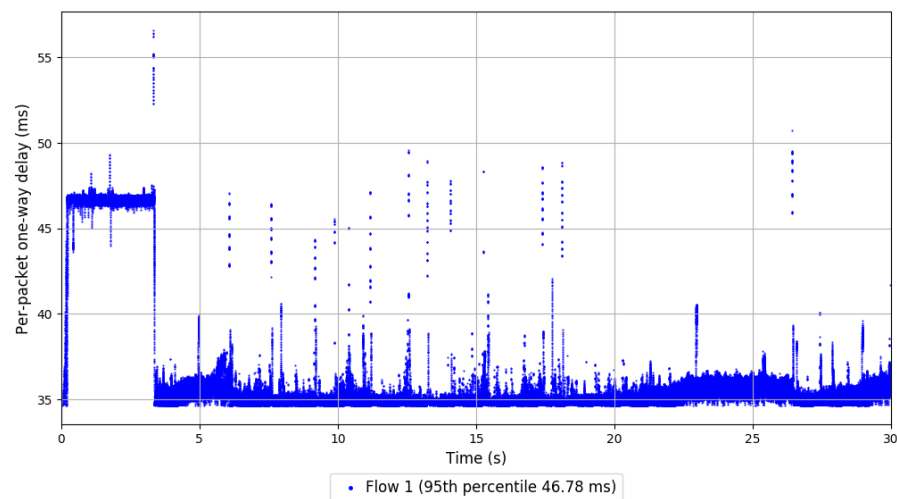
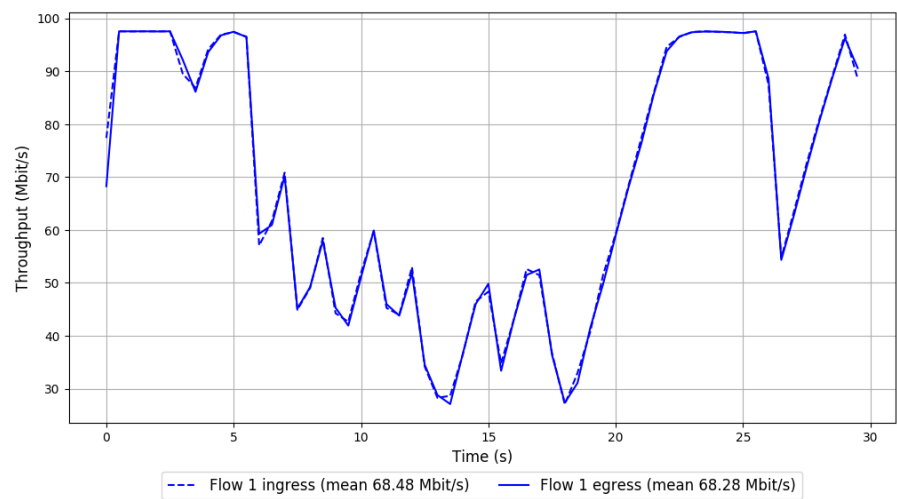
-- Flow 1:

Average throughput: 68.28 Mbit/s

95th percentile per-packet one-way delay: 46.778 ms

Loss rate: 0.36%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 22:36:59 +0000

End at: Sun, 16 Jul 2017 22:37:29 +0000

Local clock offset: 1.568 ms

Remote clock offset: -13.157 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:46:20 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.98 Mbit/s

95th percentile per-packet one-way delay: 43.551 ms

Loss rate: 0.26%

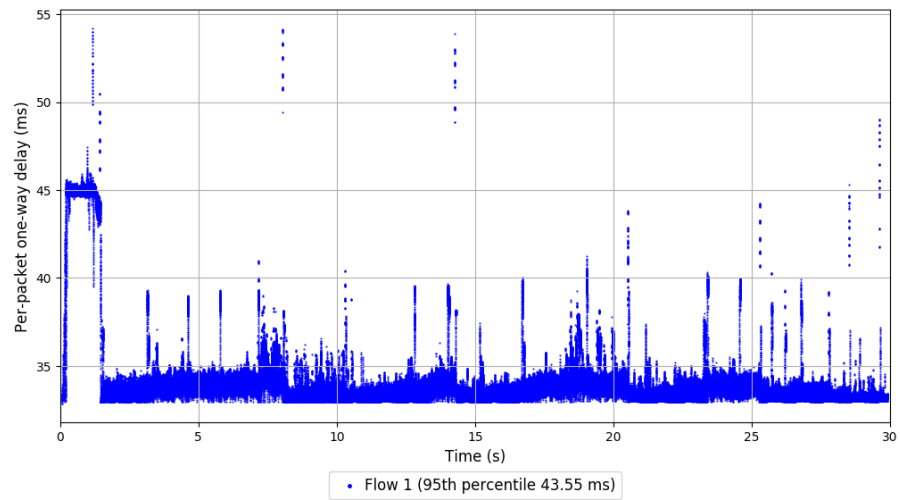
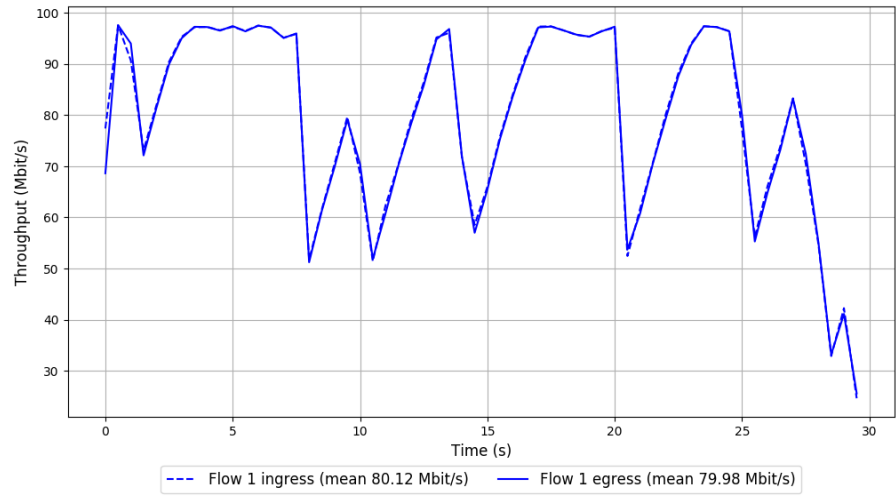
-- Flow 1:

Average throughput: 79.98 Mbit/s

95th percentile per-packet one-way delay: 43.551 ms

Loss rate: 0.26%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 22:54:22 +0000

End at: Sun, 16 Jul 2017 22:54:52 +0000

Local clock offset: 1.915 ms

Remote clock offset: -12.292 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:46:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.57 Mbit/s

95th percentile per-packet one-way delay: 41.566 ms

Loss rate: 0.21%

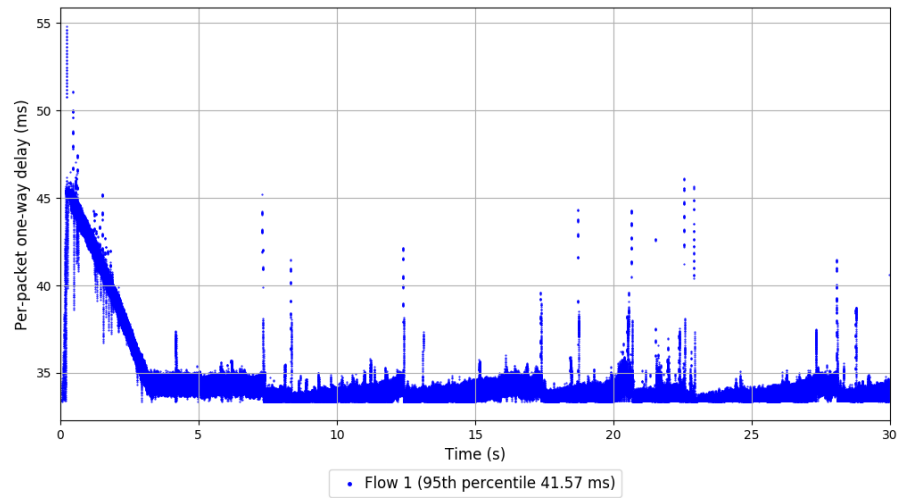
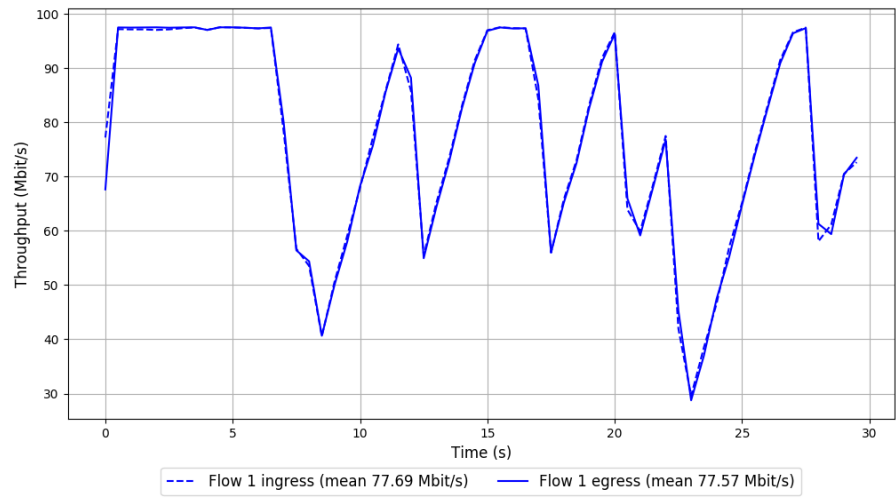
-- Flow 1:

Average throughput: 77.57 Mbit/s

95th percentile per-packet one-way delay: 41.566 ms

Loss rate: 0.21%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 23:11:54 +0000

End at: Sun, 16 Jul 2017 23:12:24 +0000

Local clock offset: -0.473 ms

Remote clock offset: -12.189 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:46:31 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.81 Mbit/s

95th percentile per-packet one-way delay: 44.103 ms

Loss rate: 0.19%

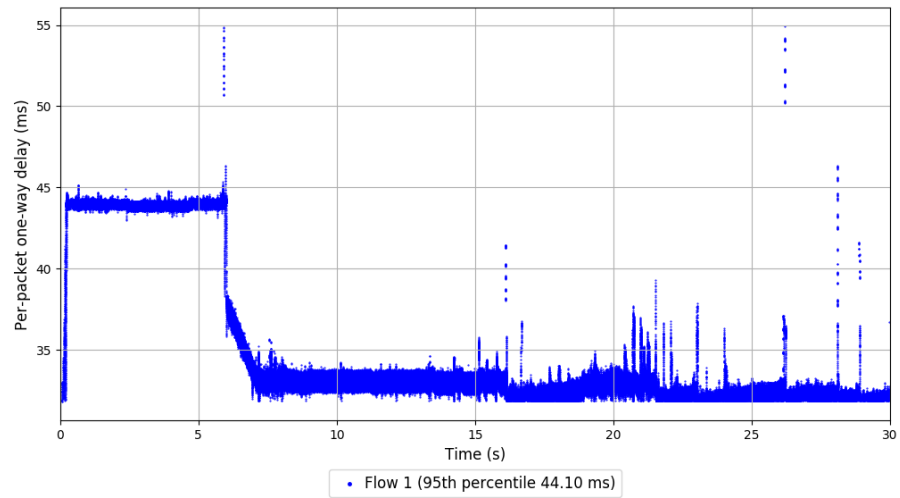
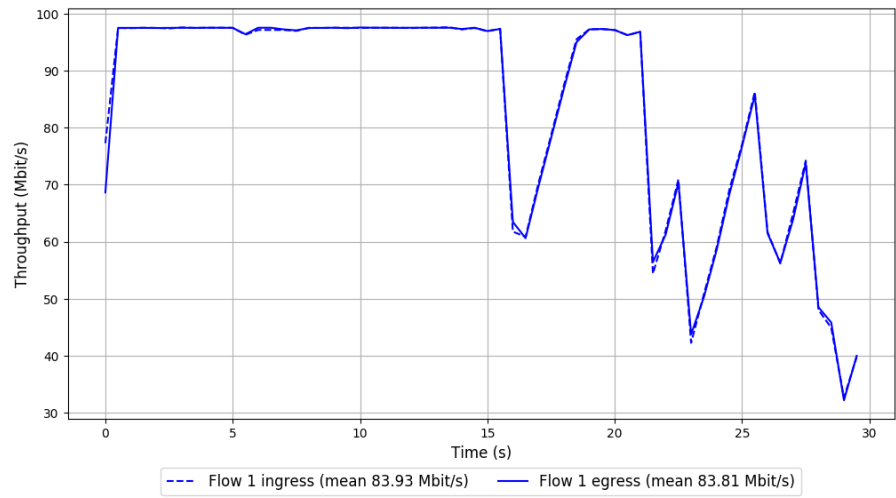
-- Flow 1:

Average throughput: 83.81 Mbit/s

95th percentile per-packet one-way delay: 44.103 ms

Loss rate: 0.19%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 23:29:25 +0000

End at: Sun, 16 Jul 2017 23:29:55 +0000

Local clock offset: 1.076 ms

Remote clock offset: -11.401 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:46:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.10 Mbit/s

95th percentile per-packet one-way delay: 42.383 ms

Loss rate: 0.31%

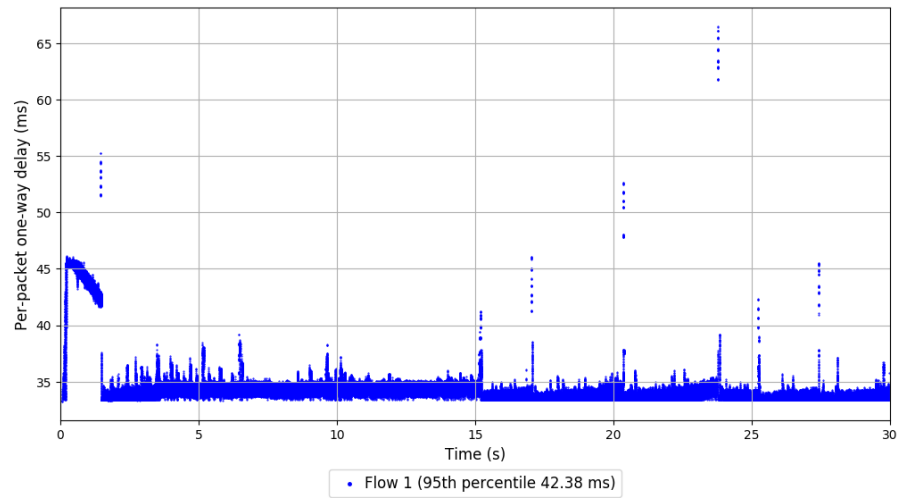
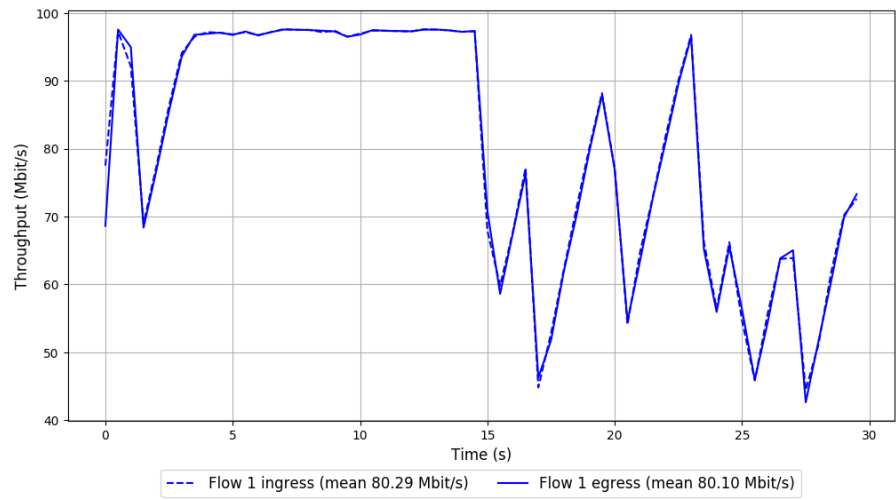
-- Flow 1:

Average throughput: 80.10 Mbit/s

95th percentile per-packet one-way delay: 42.383 ms

Loss rate: 0.31%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 23:46:54 +0000

End at: Sun, 16 Jul 2017 23:47:24 +0000

Local clock offset: -0.613 ms

Remote clock offset: -12.146 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:46:42 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.21 Mbit/s

95th percentile per-packet one-way delay: 44.480 ms

Loss rate: 0.26%

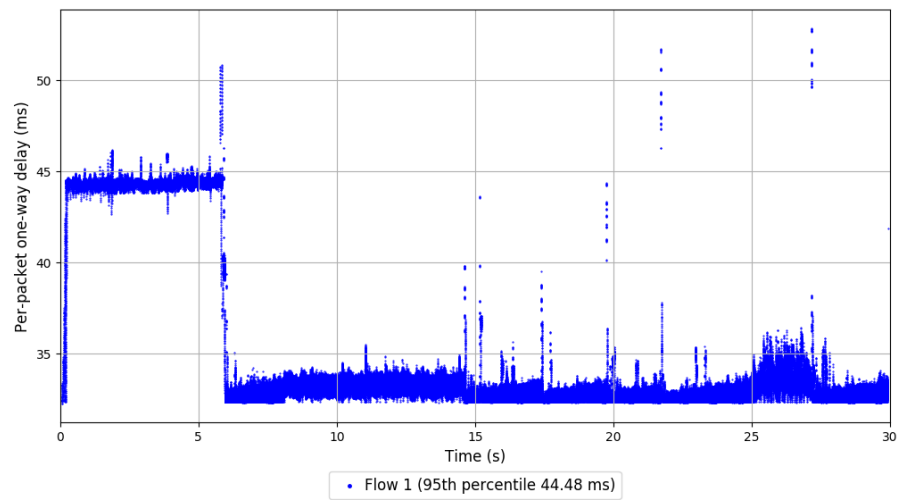
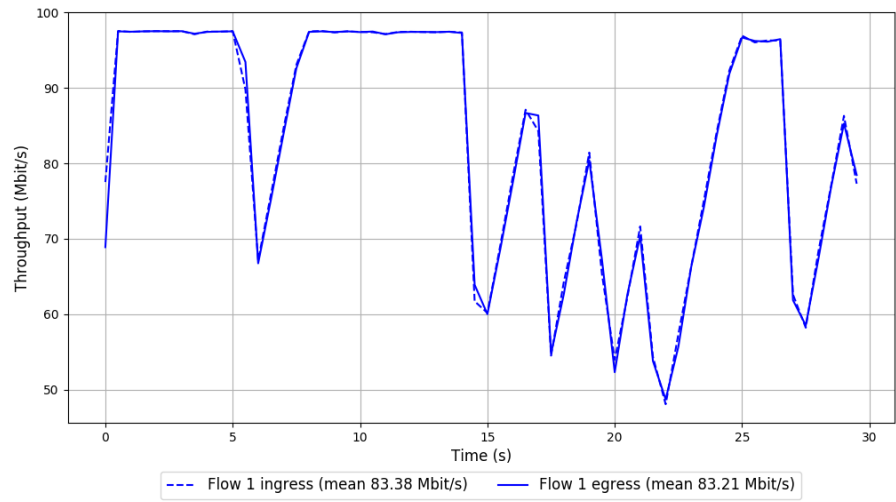
-- Flow 1:

Average throughput: 83.21 Mbit/s

95th percentile per-packet one-way delay: 44.480 ms

Loss rate: 0.26%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Mon, 17 Jul 2017 00:04:23 +0000

End at: Mon, 17 Jul 2017 00:04:53 +0000

Local clock offset: -0.89 ms

Remote clock offset: -10.513 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:46:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 69.19 Mbit/s

95th percentile per-packet one-way delay: 42.556 ms

Loss rate: 0.34%

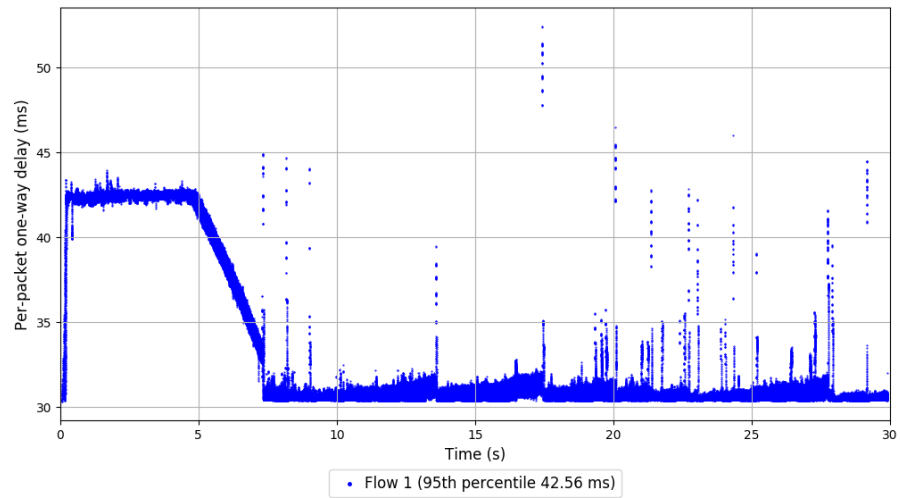
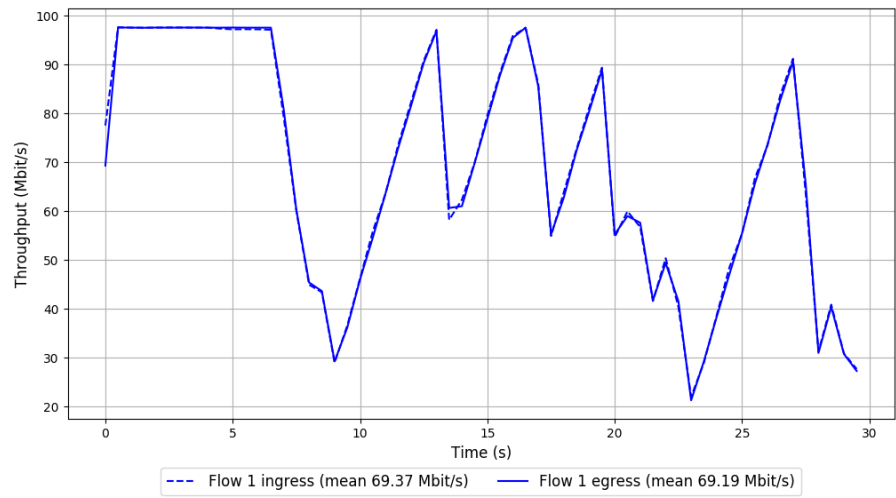
-- Flow 1:

Average throughput: 69.19 Mbit/s

95th percentile per-packet one-way delay: 42.556 ms

Loss rate: 0.34%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Mon, 17 Jul 2017 00:21:53 +0000

End at: Mon, 17 Jul 2017 00:22:23 +0000

Local clock offset: -0.723 ms

Remote clock offset: -10.631 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:46:57 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.73 Mbit/s

95th percentile per-packet one-way delay: 43.120 ms

Loss rate: 0.18%

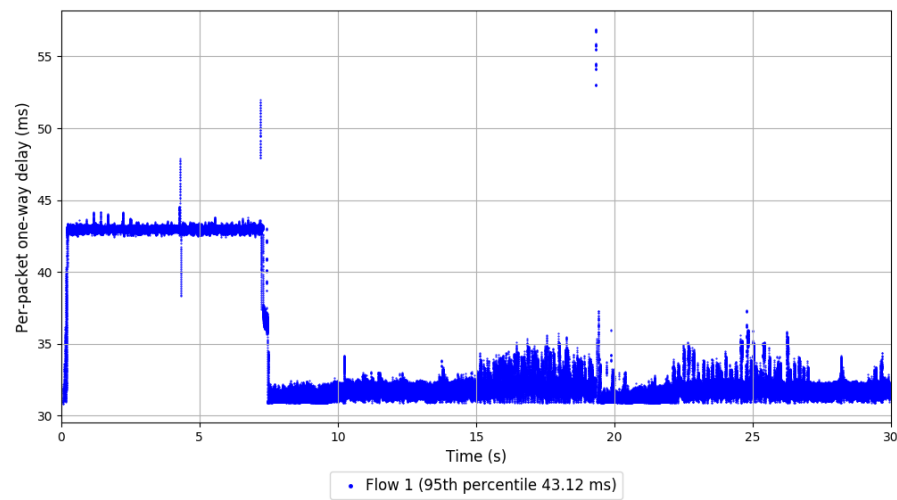
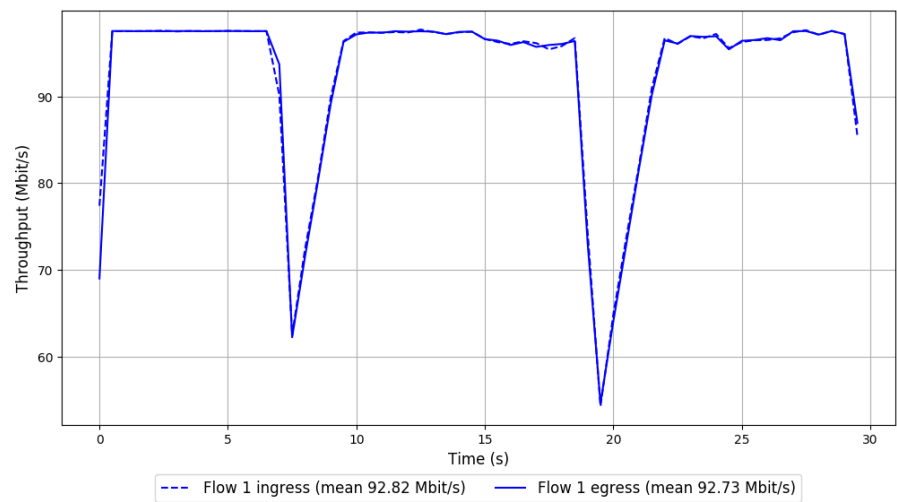
-- Flow 1:

Average throughput: 92.73 Mbit/s

95th percentile per-packet one-way delay: 43.120 ms

Loss rate: 0.18%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Mon, 17 Jul 2017 00:39:25 +0000

End at: Mon, 17 Jul 2017 00:39:55 +0000

Local clock offset: 1.04 ms

Remote clock offset: -12.305 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:46:57 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.50 Mbit/s

95th percentile per-packet one-way delay: 46.828 ms

Loss rate: 0.22%

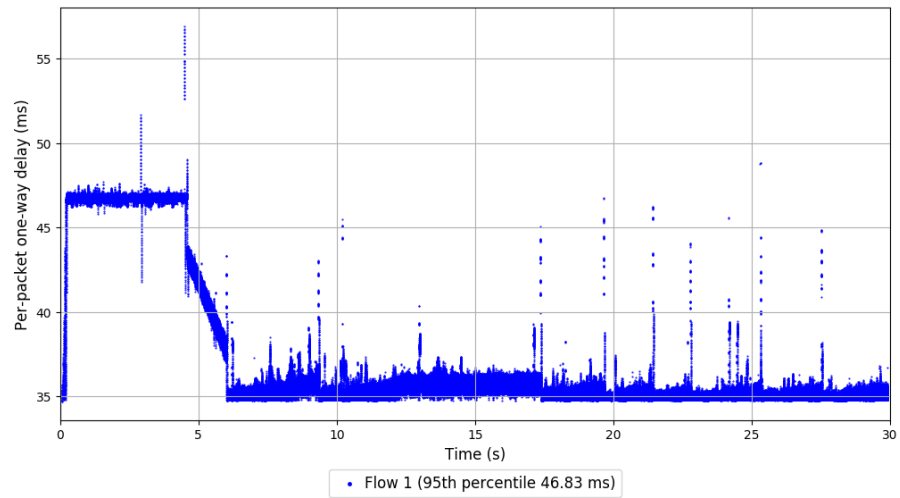
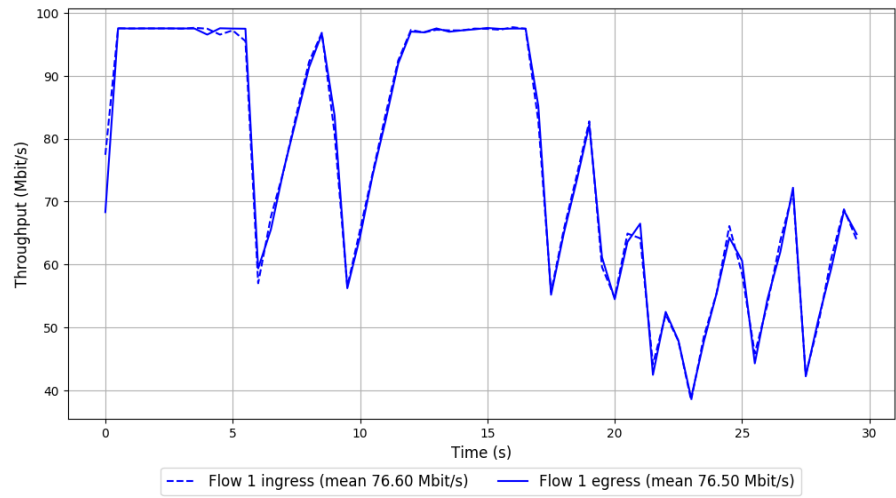
-- Flow 1:

Average throughput: 76.50 Mbit/s

95th percentile per-packet one-way delay: 46.828 ms

Loss rate: 0.22%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Mon, 17 Jul 2017 00:56:54 +0000

End at: Mon, 17 Jul 2017 00:57:24 +0000

Local clock offset: 1.162 ms

Remote clock offset: -10.818 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:47:05 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 45.965 ms

Loss rate: 0.20%

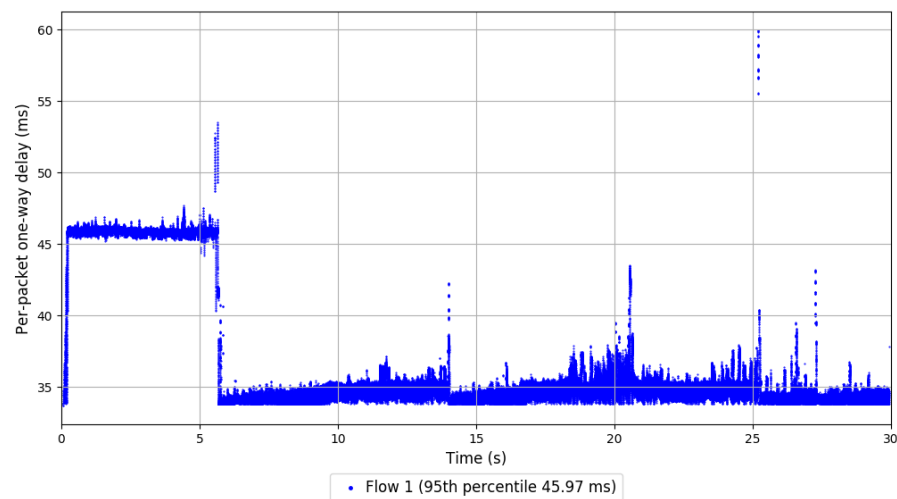
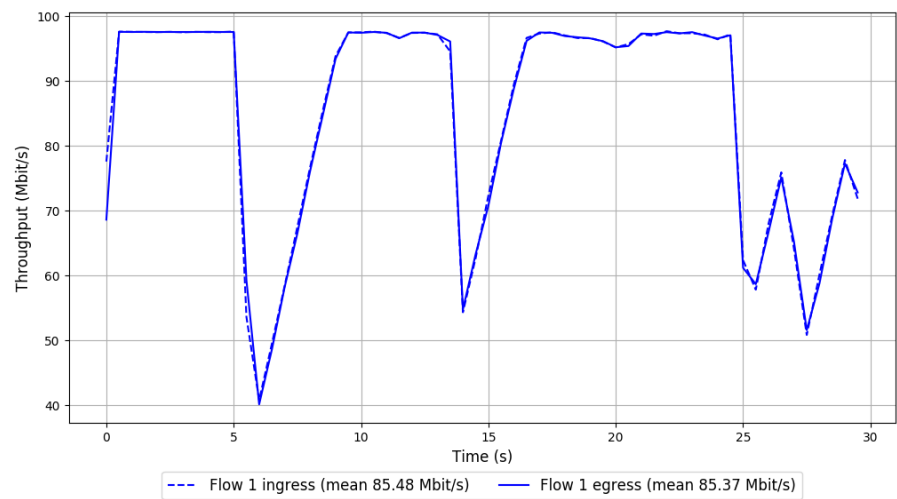
-- Flow 1:

Average throughput: 85.37 Mbit/s

95th percentile per-packet one-way delay: 45.965 ms

Loss rate: 0.20%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Sun, 16 Jul 2017 22:06:24 +0000

End at: Sun, 16 Jul 2017 22:06:54 +0000

Local clock offset: -0.533 ms

Remote clock offset: -13.246 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:47:10 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.84 Mbit/s

95th percentile per-packet one-way delay: 42.099 ms

Loss rate: 0.25%

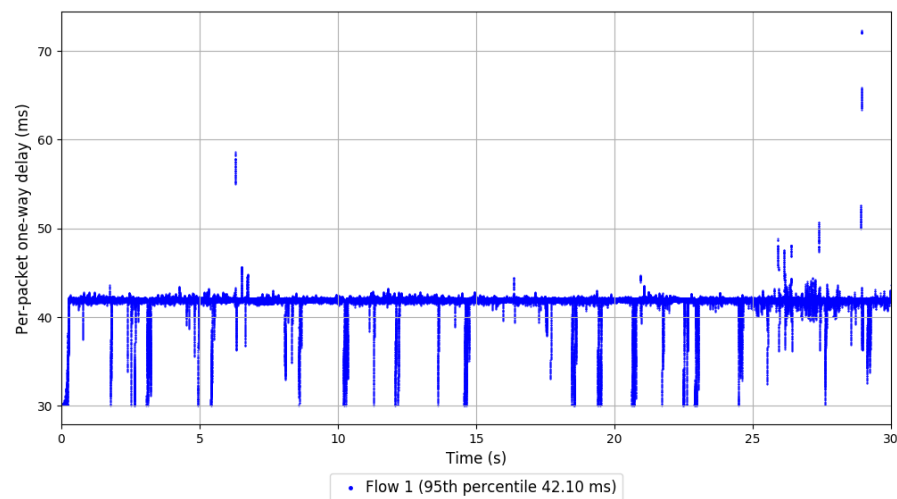
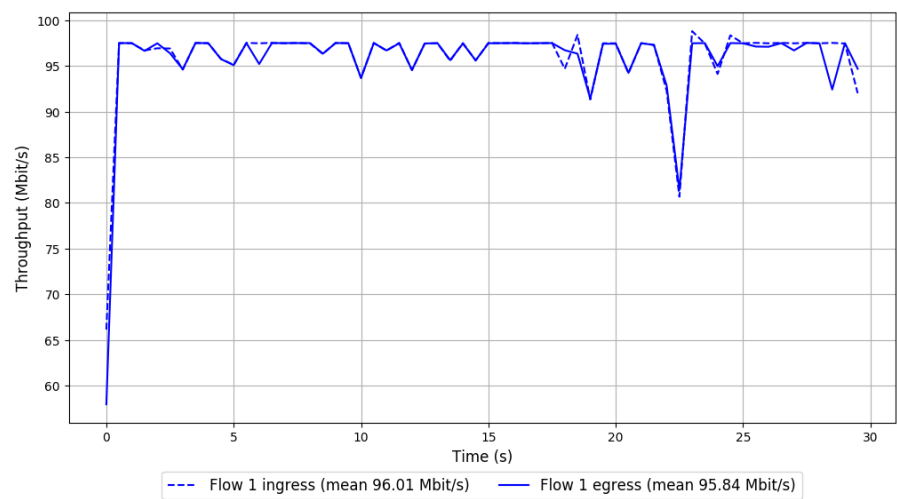
-- Flow 1:

Average throughput: 95.84 Mbit/s

95th percentile per-packet one-way delay: 42.099 ms

Loss rate: 0.25%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sun, 16 Jul 2017 22:24:02 +0000

End at: Sun, 16 Jul 2017 22:24:32 +0000

Local clock offset: -0.168 ms

Remote clock offset: -15.122 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:47:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 44.836 ms

Loss rate: 0.35%

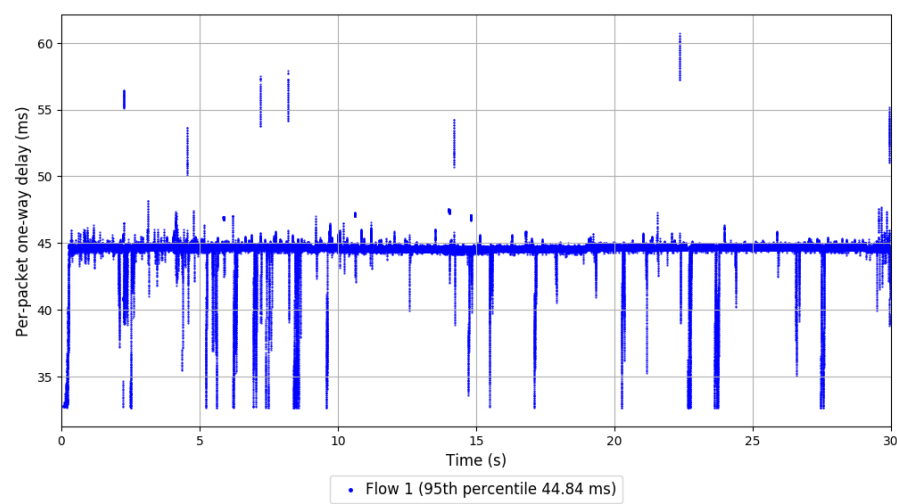
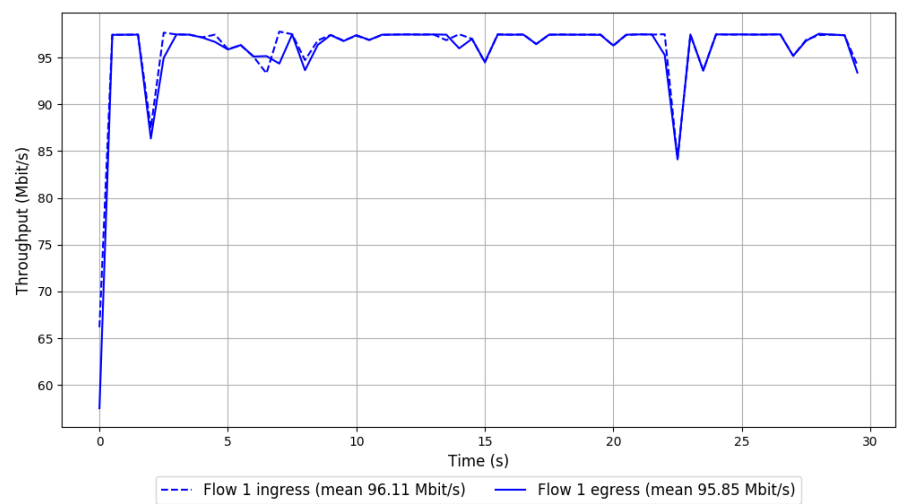
-- Flow 1:

Average throughput: 95.85 Mbit/s

95th percentile per-packet one-way delay: 44.836 ms

Loss rate: 0.35%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sun, 16 Jul 2017 22:41:37 +0000

End at: Sun, 16 Jul 2017 22:42:07 +0000

Local clock offset: 1.129 ms

Remote clock offset: -12.694 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:47:23 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.57 Mbit/s

95th percentile per-packet one-way delay: 44.551 ms

Loss rate: 0.40%

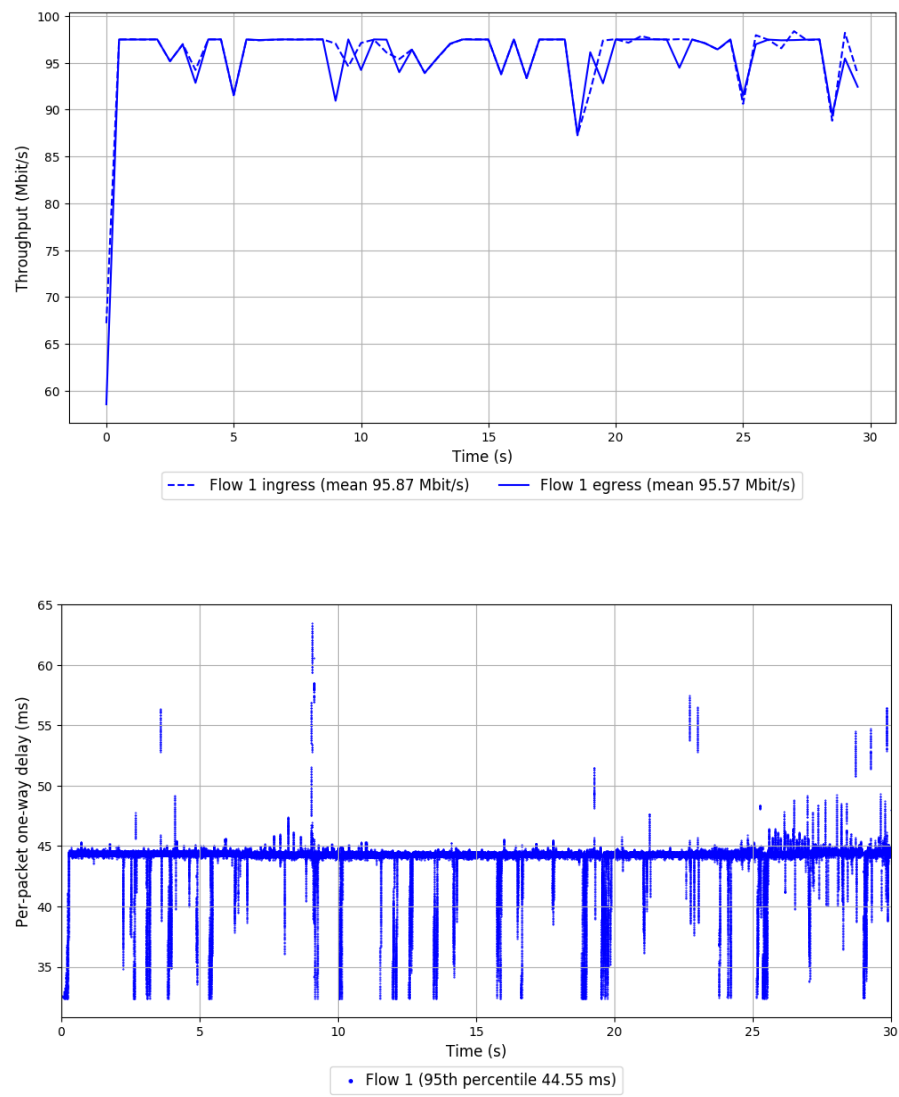
-- Flow 1:

Average throughput: 95.57 Mbit/s

95th percentile per-packet one-way delay: 44.551 ms

Loss rate: 0.40%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Sun, 16 Jul 2017 22:59:00 +0000

End at: Sun, 16 Jul 2017 22:59:30 +0000

Local clock offset: -1.251 ms

Remote clock offset: -11.78 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:47:34 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 96.42 Mbit/s

95th percentile per-packet one-way delay: 42.084 ms

Loss rate: 0.30%

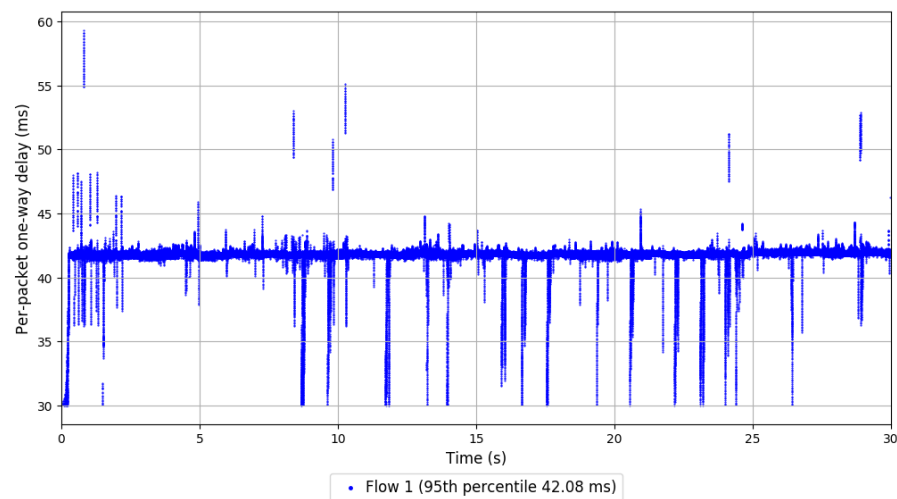
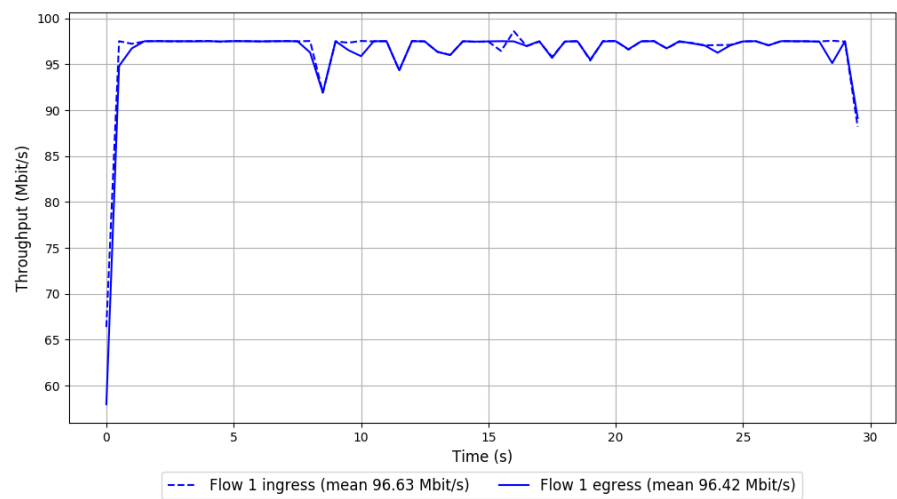
-- Flow 1:

Average throughput: 96.42 Mbit/s

95th percentile per-packet one-way delay: 42.084 ms

Loss rate: 0.30%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Sun, 16 Jul 2017 23:16:29 +0000

End at: Sun, 16 Jul 2017 23:16:59 +0000

Local clock offset: -1.033 ms

Remote clock offset: -10.438 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:47:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.99 Mbit/s

95th percentile per-packet one-way delay: 41.776 ms

Loss rate: 0.41%

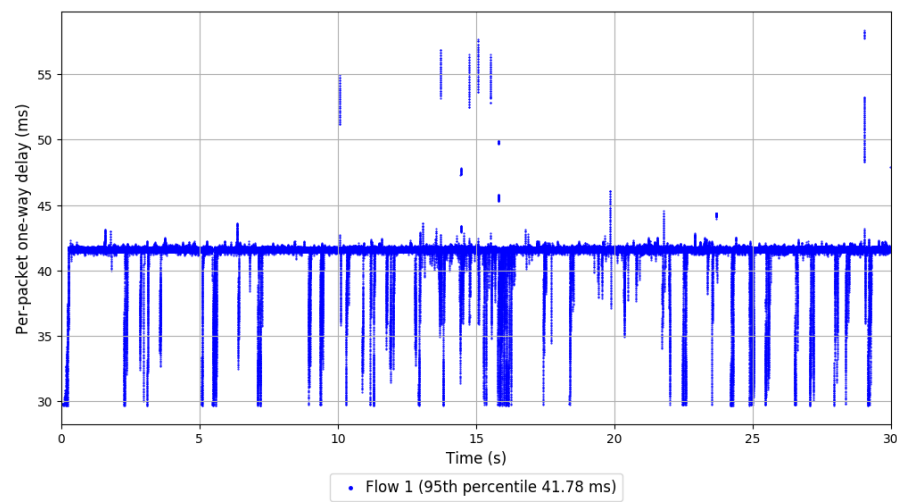
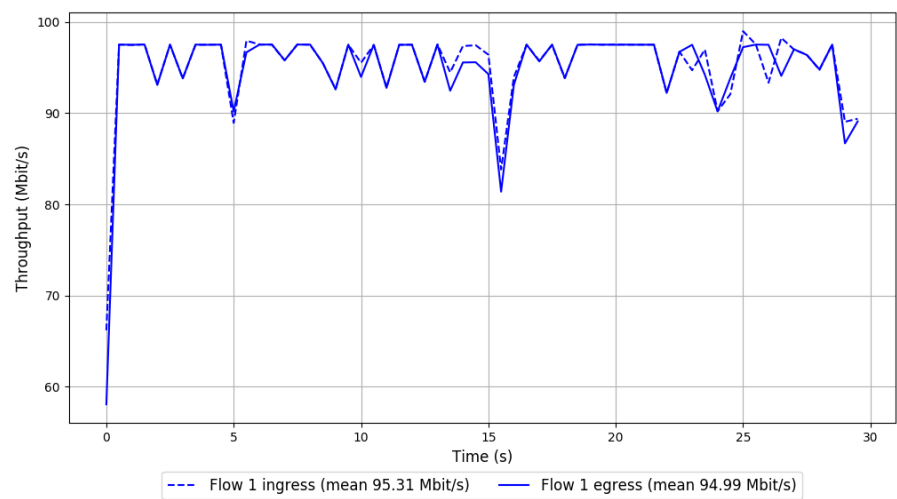
-- Flow 1:

Average throughput: 94.99 Mbit/s

95th percentile per-packet one-way delay: 41.776 ms

Loss rate: 0.41%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Sun, 16 Jul 2017 23:34:03 +0000

End at: Sun, 16 Jul 2017 23:34:33 +0000

Local clock offset: -0.347 ms

Remote clock offset: -12.091 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:47:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 44.689 ms

Loss rate: 0.28%

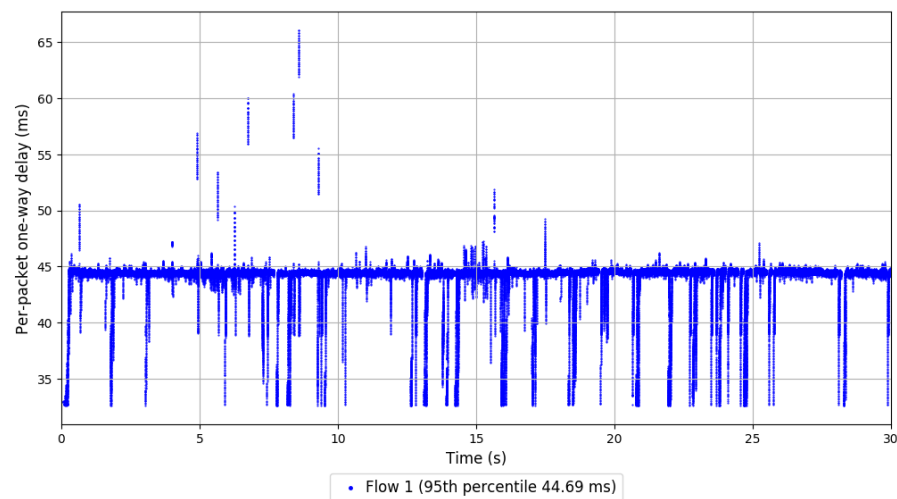
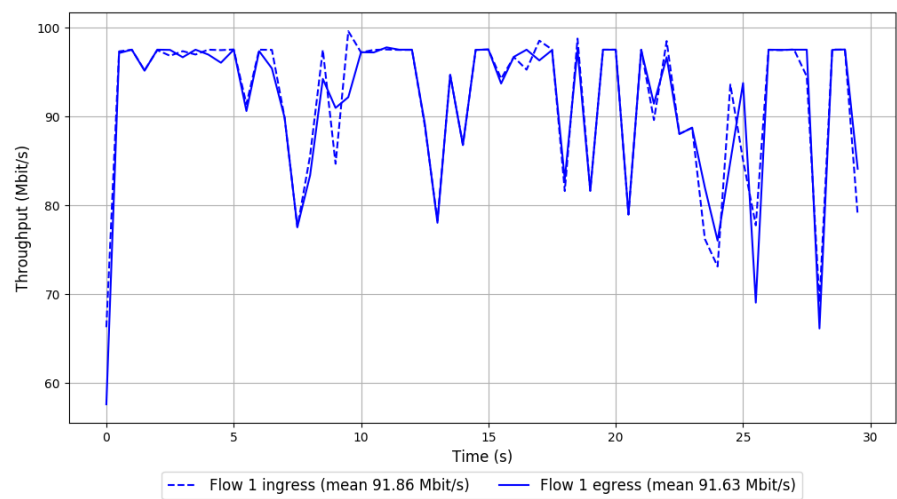
-- Flow 1:

Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 44.689 ms

Loss rate: 0.28%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Sun, 16 Jul 2017 23:51:32 +0000

End at: Sun, 16 Jul 2017 23:52:02 +0000

Local clock offset: 2.175 ms

Remote clock offset: -11.022 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:47:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 95.95 Mbit/s

95th percentile per-packet one-way delay: 46.157 ms

Loss rate: 0.36%

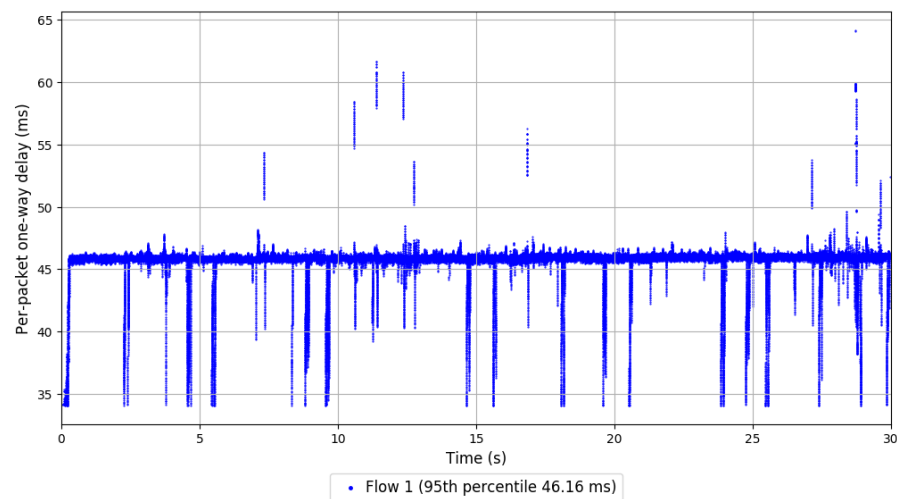
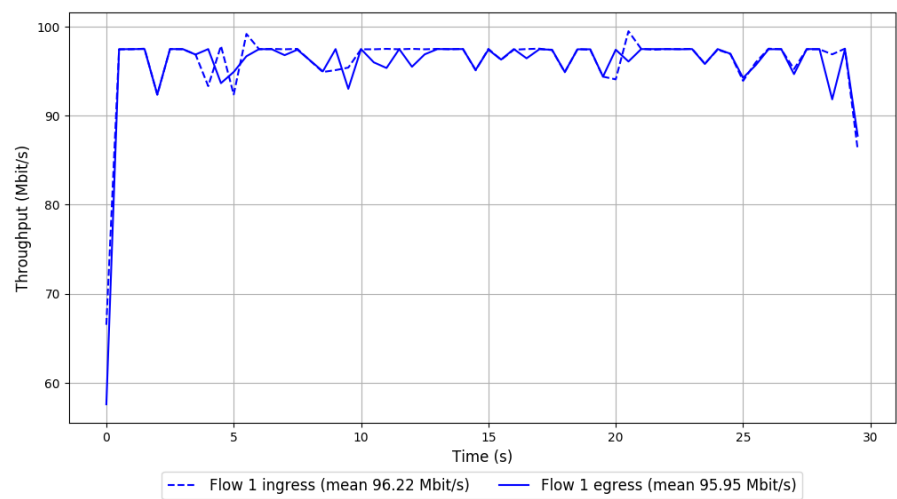
-- Flow 1:

Average throughput: 95.95 Mbit/s

95th percentile per-packet one-way delay: 46.157 ms

Loss rate: 0.36%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Mon, 17 Jul 2017 00:08:59 +0000

End at: Mon, 17 Jul 2017 00:09:29 +0000

Local clock offset: 2.837 ms

Remote clock offset: -9.94 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:47:57 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.62 Mbit/s

95th percentile per-packet one-way delay: 45.850 ms

Loss rate: 0.44%

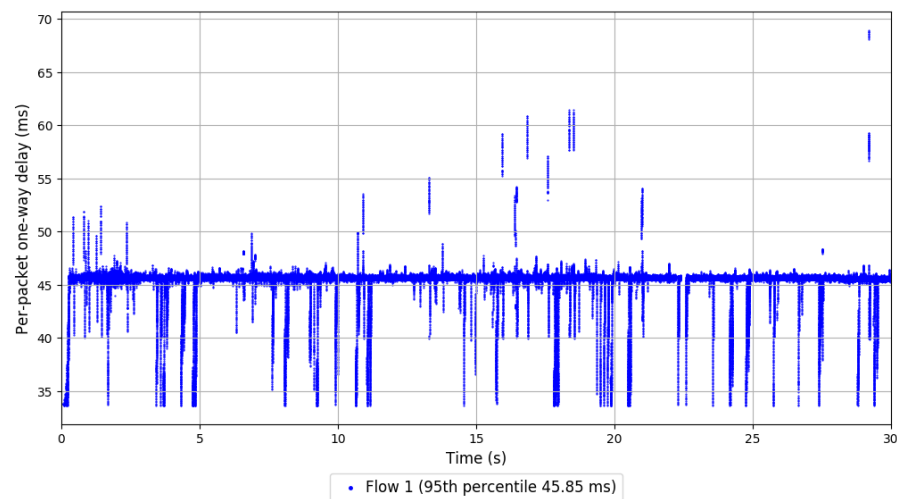
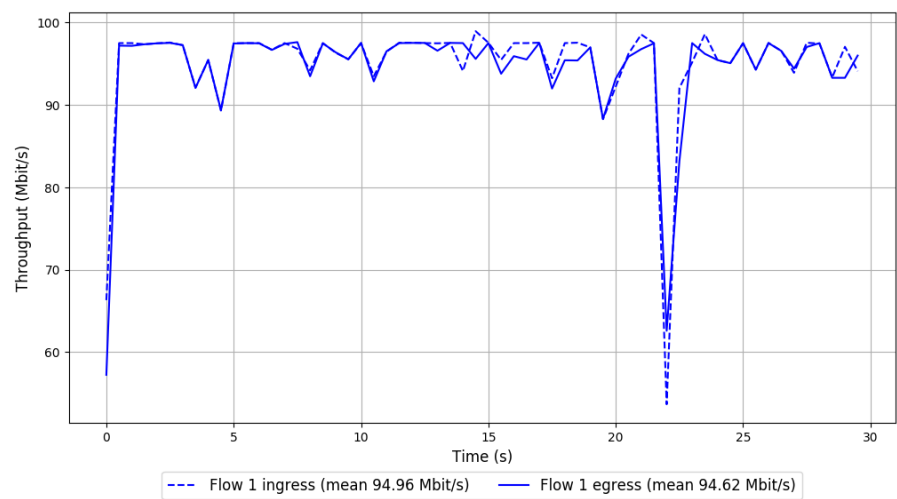
-- Flow 1:

Average throughput: 94.62 Mbit/s

95th percentile per-packet one-way delay: 45.850 ms

Loss rate: 0.44%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Mon, 17 Jul 2017 00:26:34 +0000

End at: Mon, 17 Jul 2017 00:27:04 +0000

Local clock offset: 1.183 ms

Remote clock offset: -11.203 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:48:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.70 Mbit/s

95th percentile per-packet one-way delay: 45.631 ms

Loss rate: 0.30%

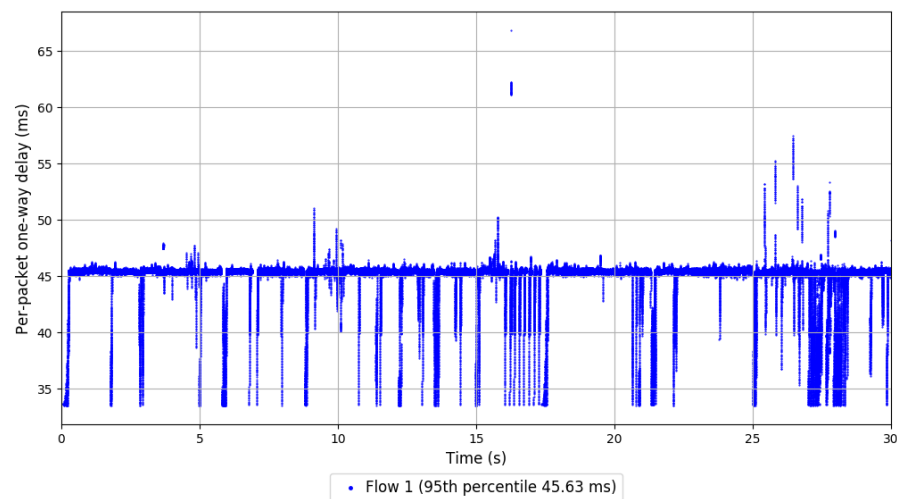
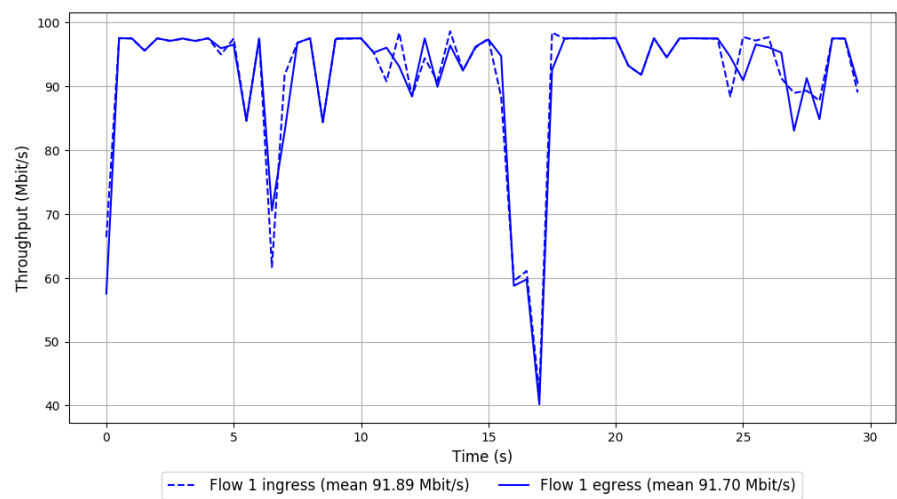
-- Flow 1:

Average throughput: 91.70 Mbit/s

95th percentile per-packet one-way delay: 45.631 ms

Loss rate: 0.30%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Mon, 17 Jul 2017 00:44:04 +0000

End at: Mon, 17 Jul 2017 00:44:34 +0000

Local clock offset: -1.012 ms

Remote clock offset: -10.376 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:48:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.72 Mbit/s

95th percentile per-packet one-way delay: 43.005 ms

Loss rate: 0.24%

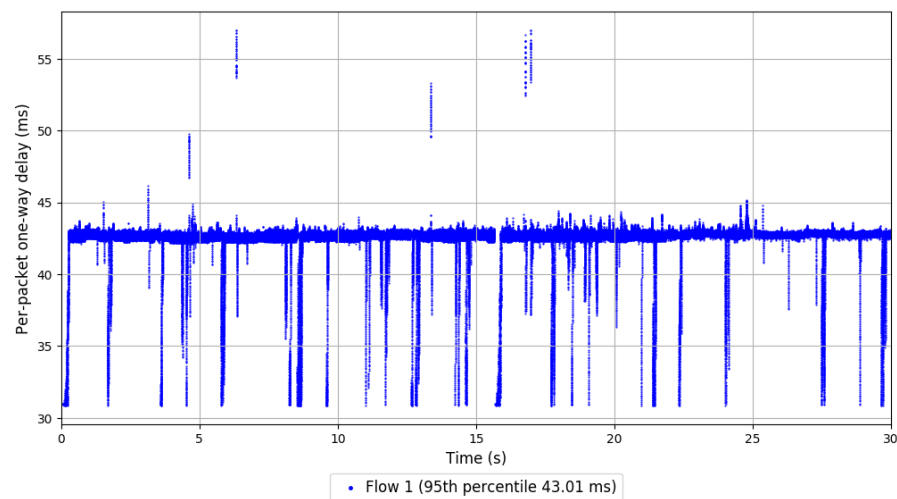
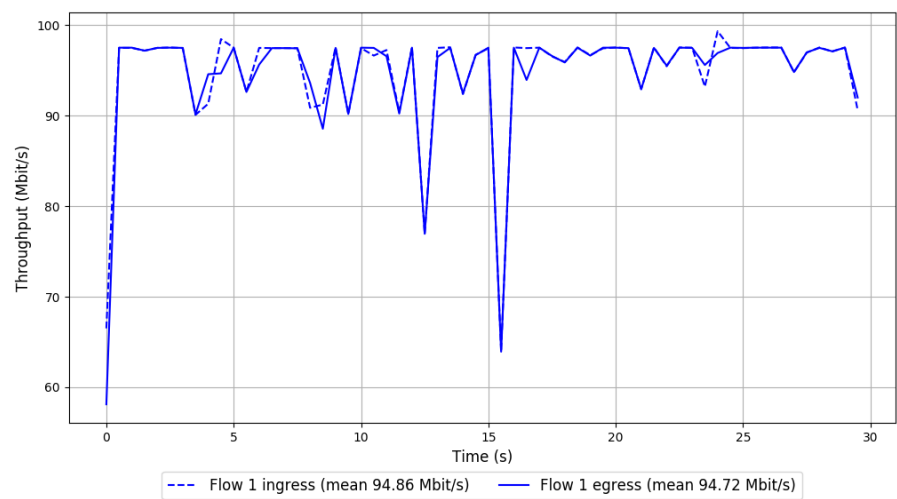
-- Flow 1:

Average throughput: 94.72 Mbit/s

95th percentile per-packet one-way delay: 43.005 ms

Loss rate: 0.24%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 22:05:19 +0000

End at: Sun, 16 Jul 2017 22:05:49 +0000

Local clock offset: 2.33 ms

Remote clock offset: -11.734 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:48:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 32.051 ms

Loss rate: 0.15%

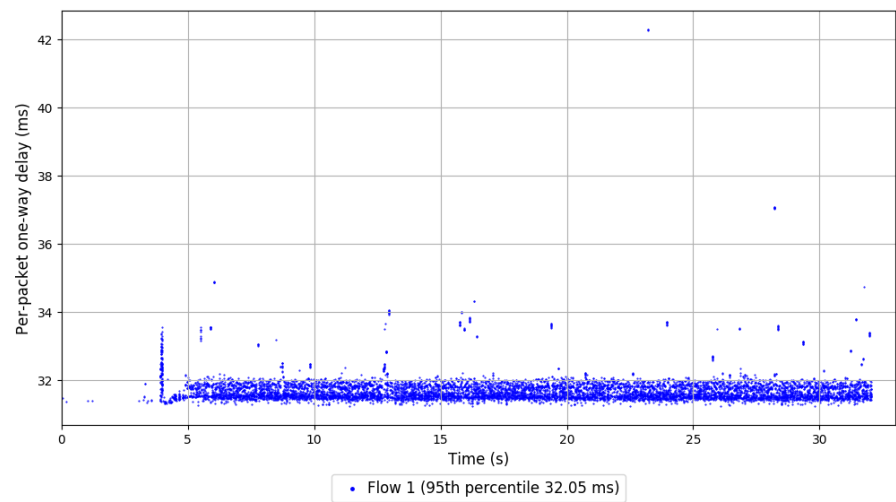
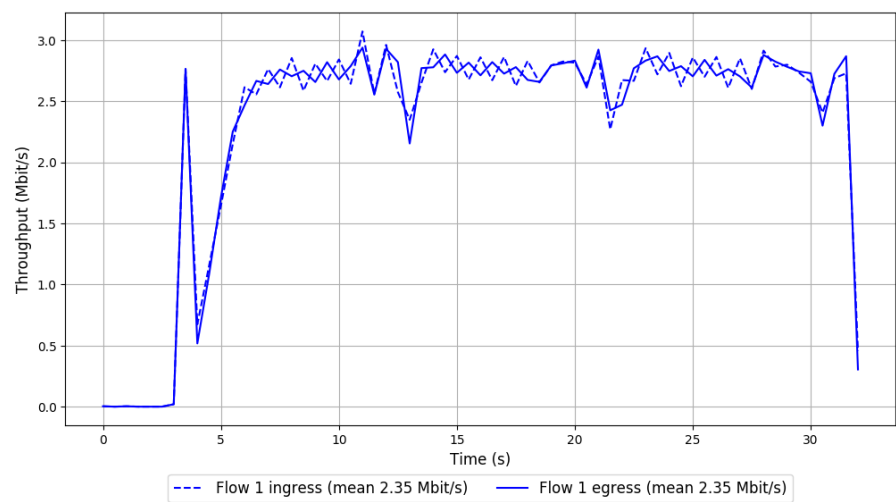
-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 32.051 ms

Loss rate: 0.15%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 22:22:57 +0000

End at: Sun, 16 Jul 2017 22:23:27 +0000

Local clock offset: 1.592 ms

Remote clock offset: -12.606 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:48:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 32.547 ms

Loss rate: 0.11%

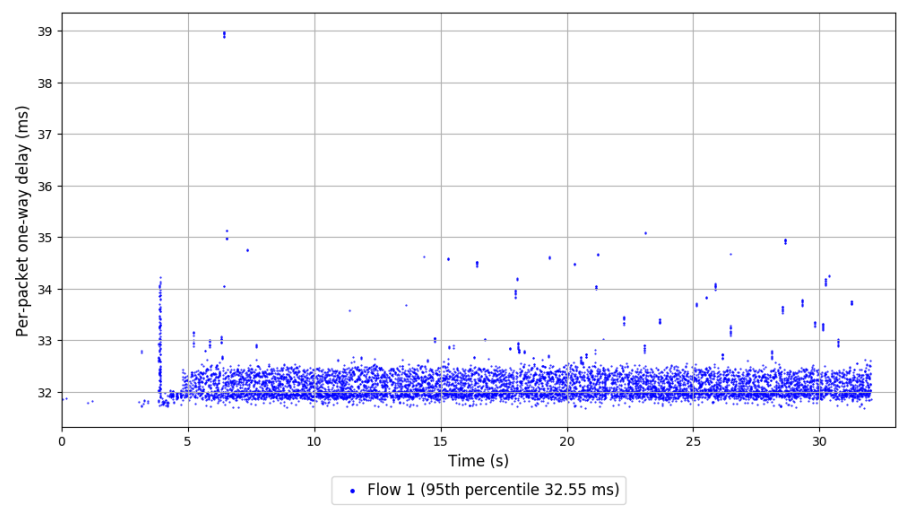
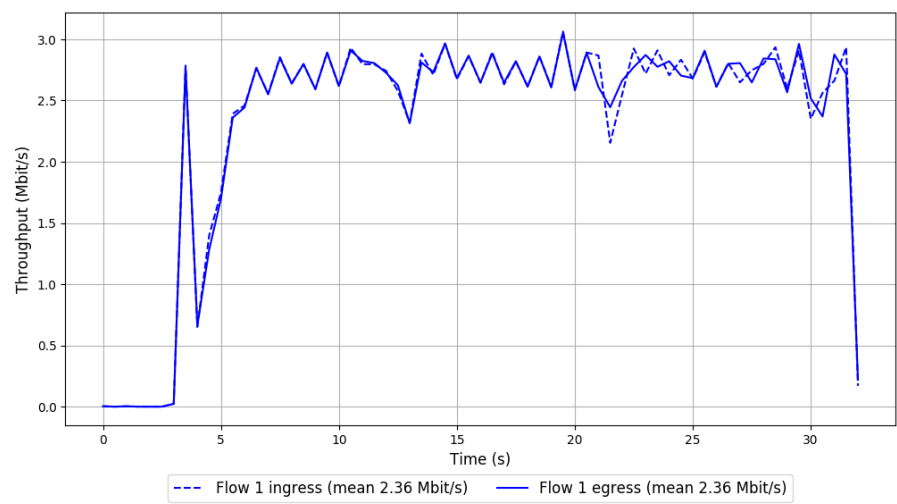
-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 32.547 ms

Loss rate: 0.11%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 22:40:33 +0000

End at: Sun, 16 Jul 2017 22:41:03 +0000

Local clock offset: 1.711 ms

Remote clock offset: -11.982 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:48:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 32.822 ms

Loss rate: 0.15%

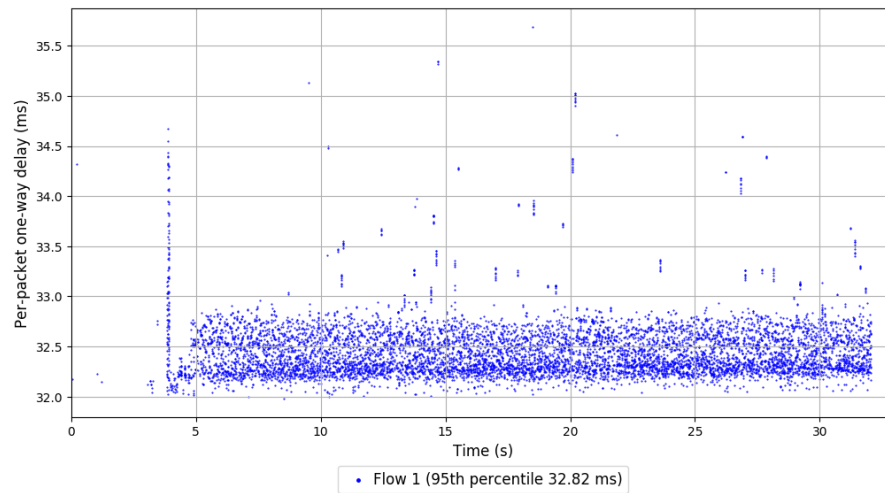
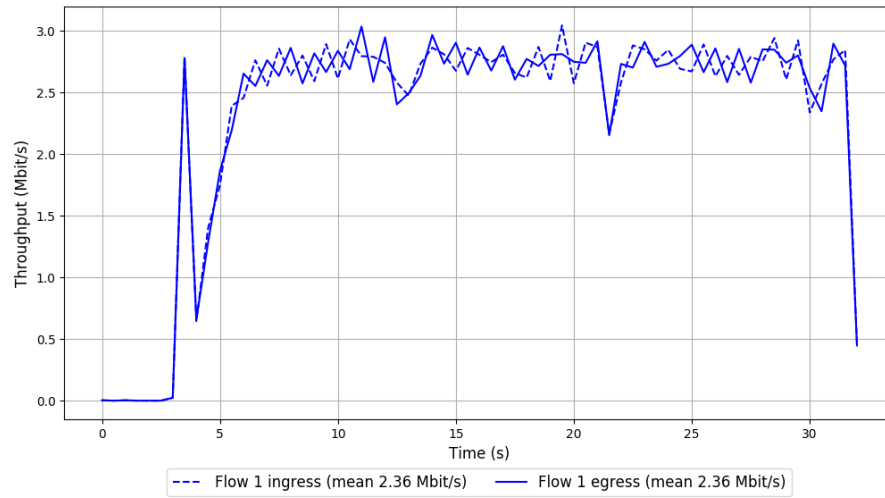
-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 32.822 ms

Loss rate: 0.15%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 22:57:56 +0000

End at: Sun, 16 Jul 2017 22:58:26 +0000

Local clock offset: 1.751 ms

Remote clock offset: -10.78 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:48:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 32.548 ms

Loss rate: 0.11%

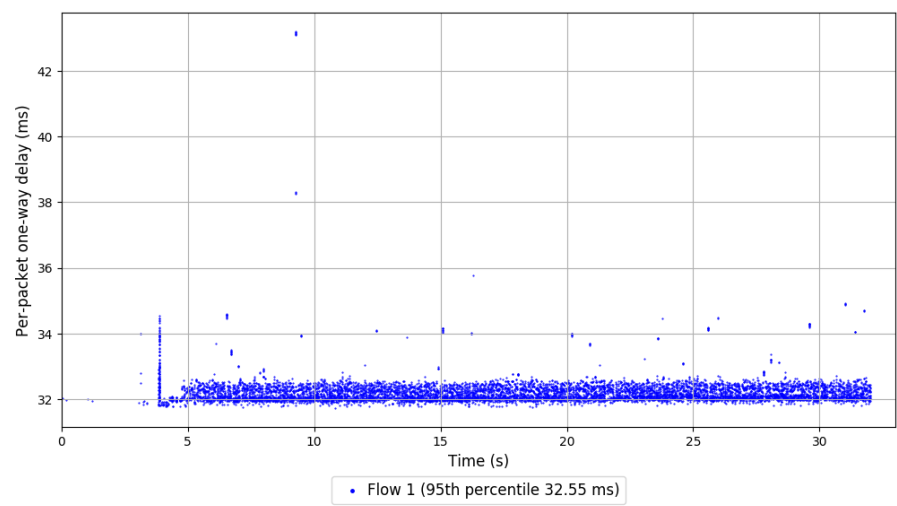
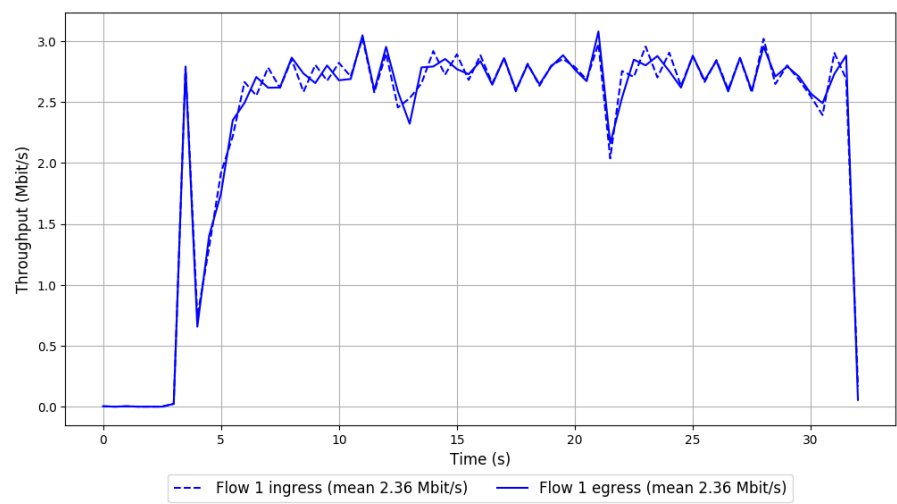
-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 32.548 ms

Loss rate: 0.11%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 23:15:25 +0000

End at: Sun, 16 Jul 2017 23:15:55 +0000

Local clock offset: 0.245 ms

Remote clock offset: -10.928 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:48:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 32.022 ms

Loss rate: 0.13%

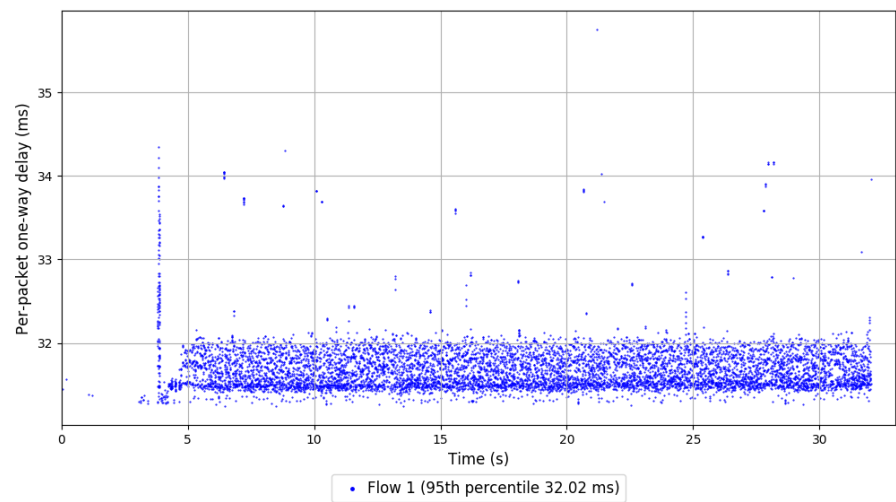
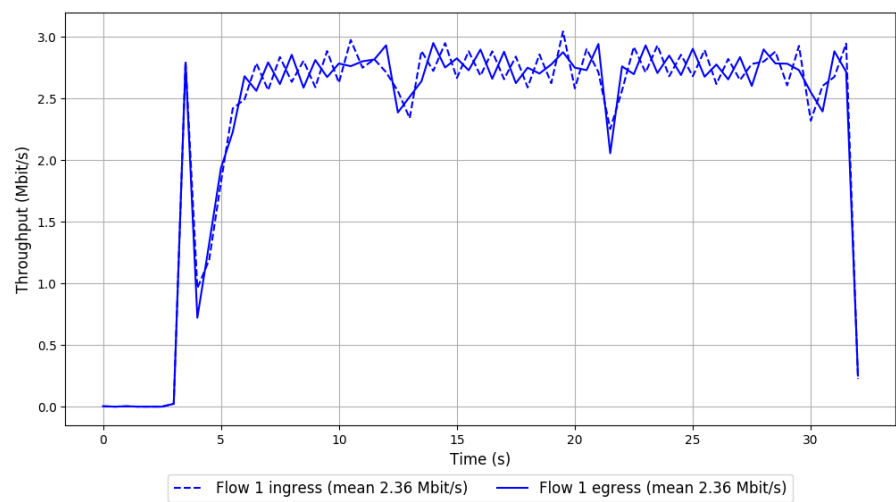
-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 32.022 ms

Loss rate: 0.13%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 23:32:59 +0000

End at: Sun, 16 Jul 2017 23:33:29 +0000

Local clock offset: 2.824 ms

Remote clock offset: -10.409 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:48:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 34.722 ms

Loss rate: 0.14%

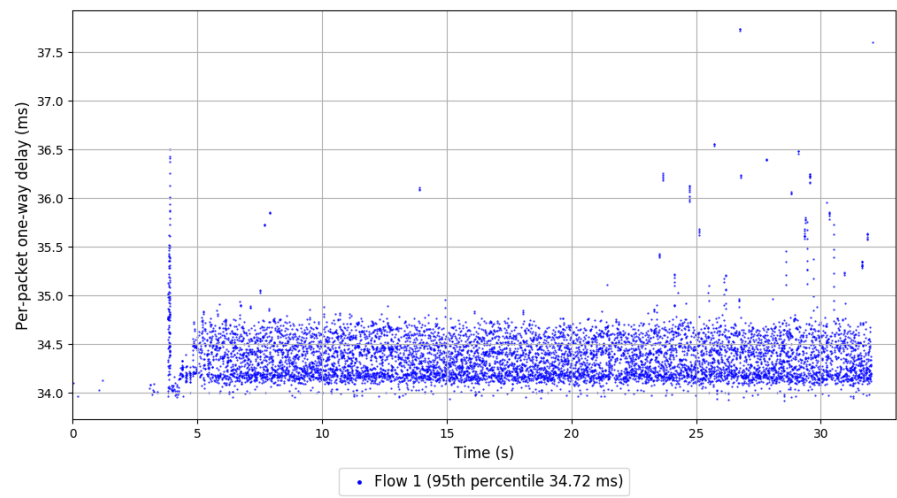
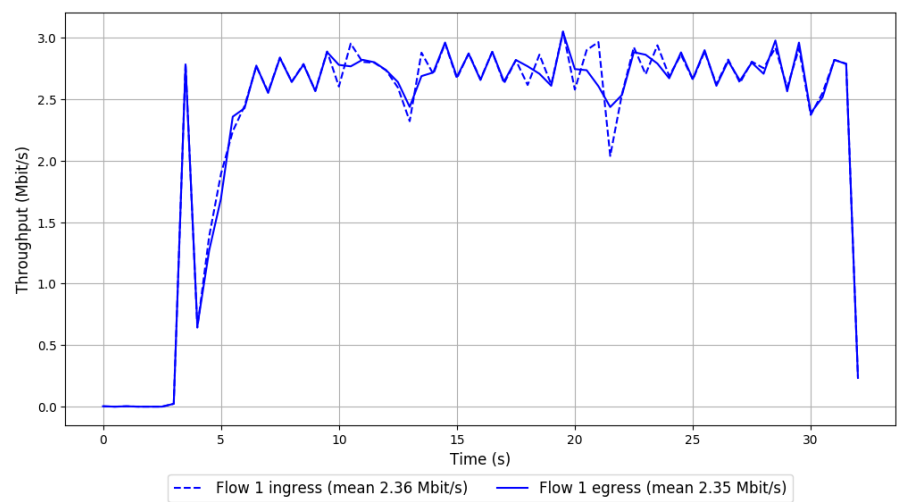
-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 34.722 ms

Loss rate: 0.14%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 23:50:28 +0000

End at: Sun, 16 Jul 2017 23:50:58 +0000

Local clock offset: -0.937 ms

Remote clock offset: -12.218 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:48:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 32.751 ms

Loss rate: 0.15%

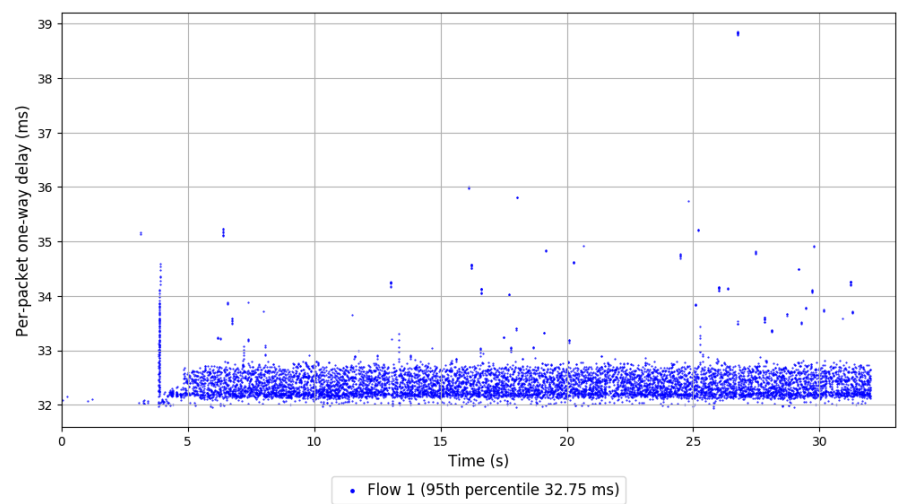
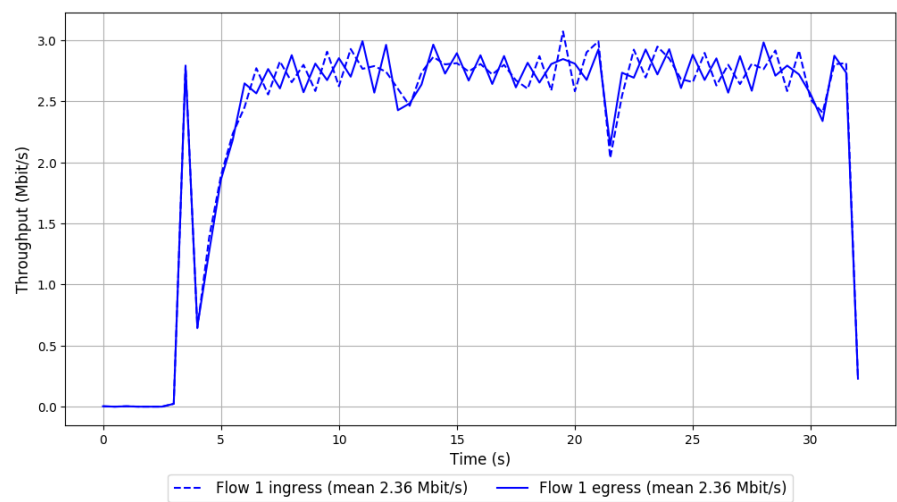
-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 32.751 ms

Loss rate: 0.15%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Mon, 17 Jul 2017 00:07:55 +0000

End at: Mon, 17 Jul 2017 00:08:25 +0000

Local clock offset: 2.765 ms

Remote clock offset: -10.704 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:48:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 34.933 ms

Loss rate: 0.13%

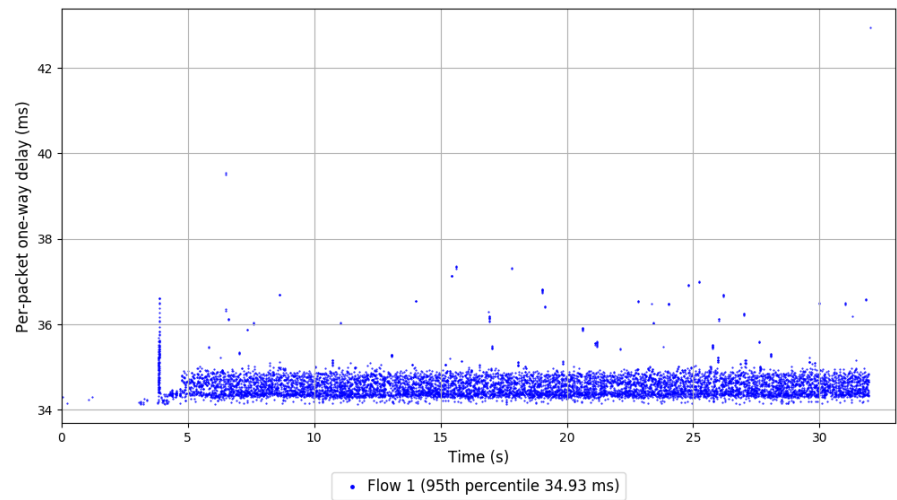
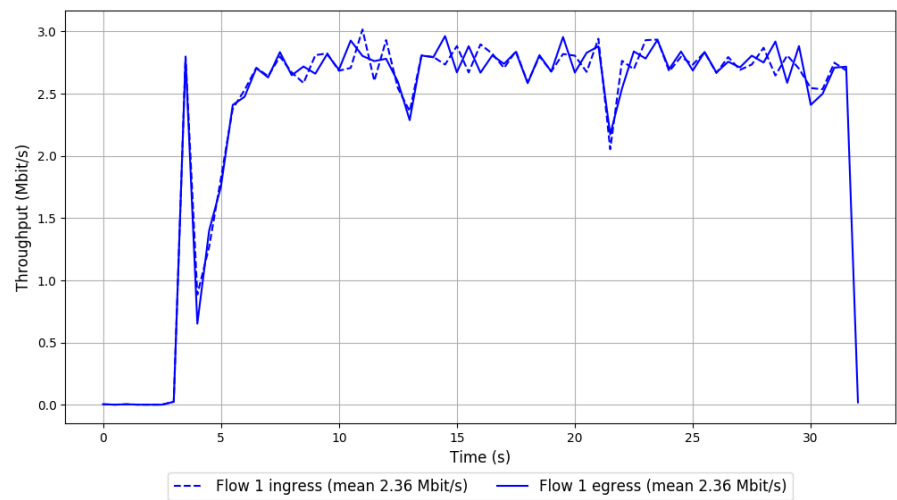
-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 34.933 ms

Loss rate: 0.13%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Mon, 17 Jul 2017 00:25:30 +0000

End at: Mon, 17 Jul 2017 00:26:00 +0000

Local clock offset: -0.248 ms

Remote clock offset: -11.783 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:48:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 33.158 ms

Loss rate: 0.15%

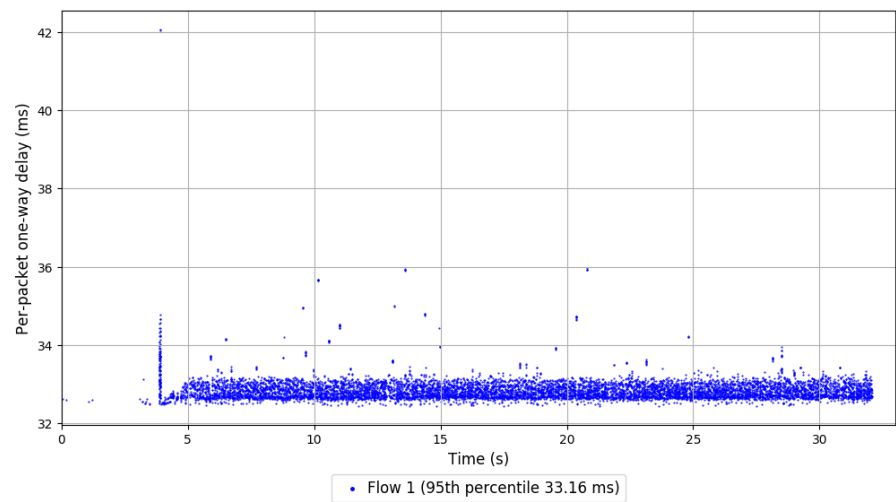
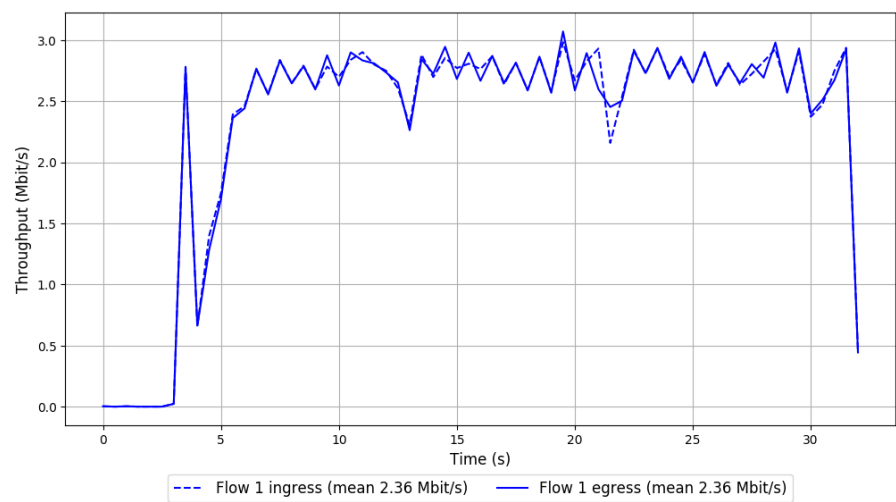
-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 33.158 ms

Loss rate: 0.15%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Mon, 17 Jul 2017 00:43:00 +0000

End at: Mon, 17 Jul 2017 00:43:30 +0000

Local clock offset: 0.923 ms

Remote clock offset: -10.149 ms

Below is generated by plot.py at Mon, 17 Jul 2017 01:48:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 33.207 ms

Loss rate: 0.14%

-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 33.207 ms

Loss rate: 0.14%

Run 10: Report of WebRTC media — Data Link

