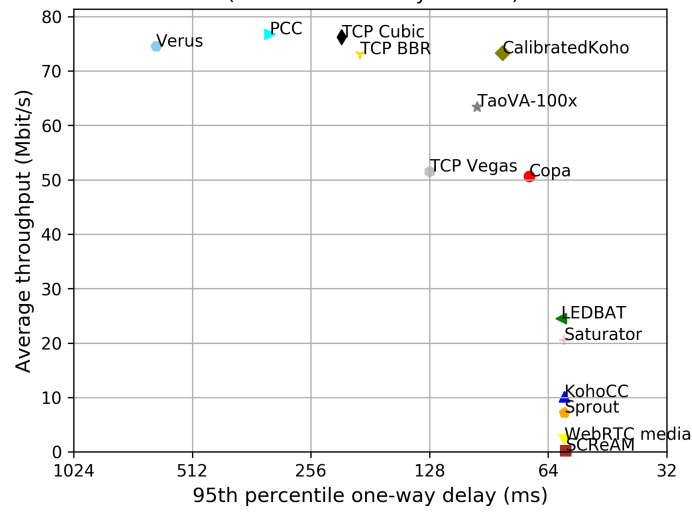


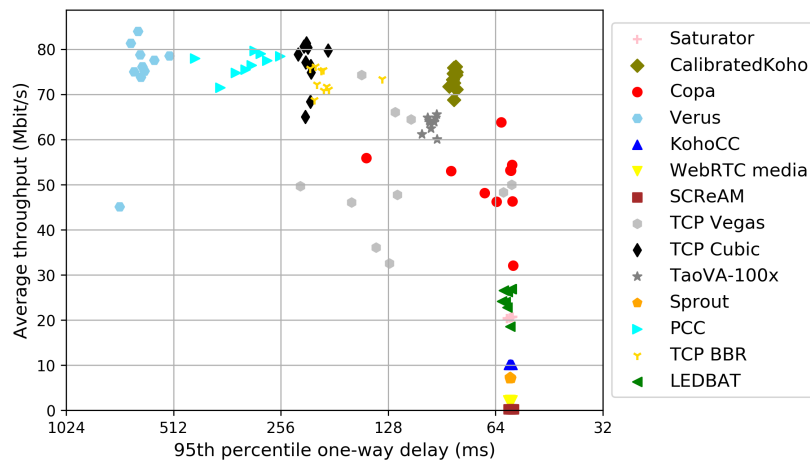
Pantheon Summary (Generated at Tue, 25 Jul 2017 02:26:42 +0000 with pantheon version 266b116f0817a07d000b4d181ce187fd27d3e654)
Repeated the test of 15 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Data path: AWS Brazil 2 Ethernet (*local*) → Colombia Ethernet (*remote*).
NTP offset measured against gps.ntp.br and has been applied to correct the timestamps in logs.

```
git branch: master @ 266b116f0817a07d000b4d181ce187fd27d3e654
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeeb30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webrtc @ a488197ddd041ace68a42849b2540ad834825f42
```

test from AWS Brazil 2 Ethernet to Colombia Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS Brazil 2 Ethernet to Colombia 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	73.07	192.33	0.11
CalibratedKoho	10	73.30	83.61	0.02
Copa	10	50.62	71.48	0.07
TCP Cubic	10	76.24	214.01	0.04
KohoCC	10	10.12	58.23	0.00
LEDBAT	10	24.52	59.30	0.05
PCC	10	76.76	325.58	0.06
QUIC Cubic	10	nan	nan	nan
Saturator	10	20.53	58.35	0.02
SCReAM	10	0.22	57.79	0.00
Sprout	10	7.22	58.24	0.03
TaoVA-100x	10	63.44	96.94	0.69
TCP Vegas	10	51.52	127.85	0.15
Verus	10	74.54	632.22	1.28
WebRTC media	10	2.28	58.24	0.01

Run 1: Statistics of TCP BBR

Start at: Mon, 24 Jul 2017 20:04:54 +0000

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

Local clock offset: 0.541 ms

Remote clock offset: 5.349 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:18:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.81 Mbit/s

95th percentile per-packet one-way delay: 206.035 ms

Loss rate: 0.12%

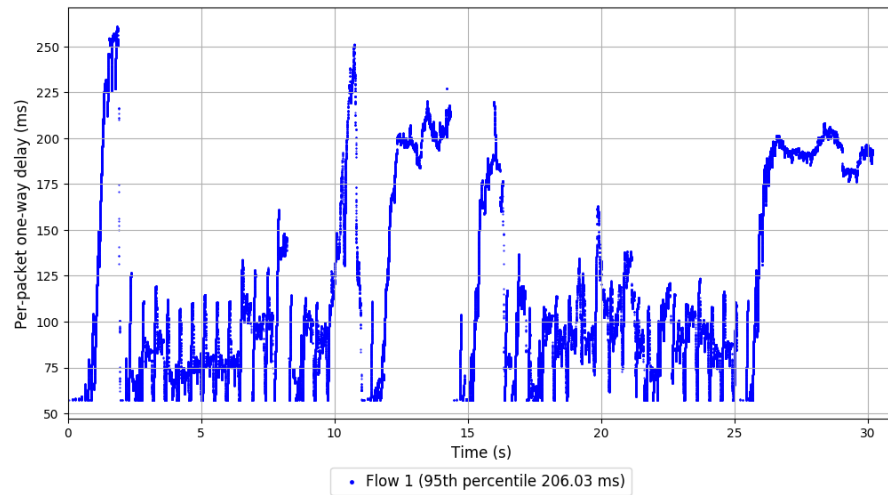
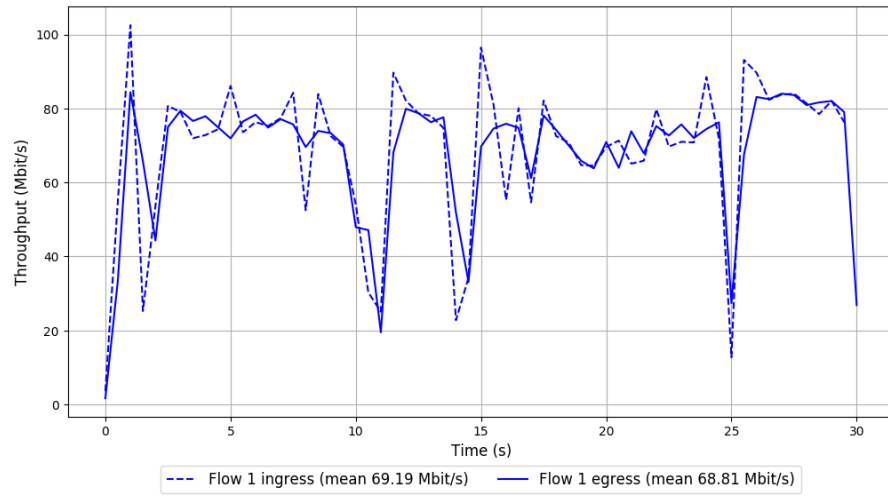
-- Flow 1:

Average throughput: 68.81 Mbit/s

95th percentile per-packet one-way delay: 206.035 ms

Loss rate: 0.12%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Mon, 24 Jul 2017 20:22:43 +0000

End at: Mon, 24 Jul 2017 20:23:13 +0000

Local clock offset: 0.454 ms

Remote clock offset: 5.7 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:18:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.44 Mbit/s

95th percentile per-packet one-way delay: 194.357 ms

Loss rate: 0.03%

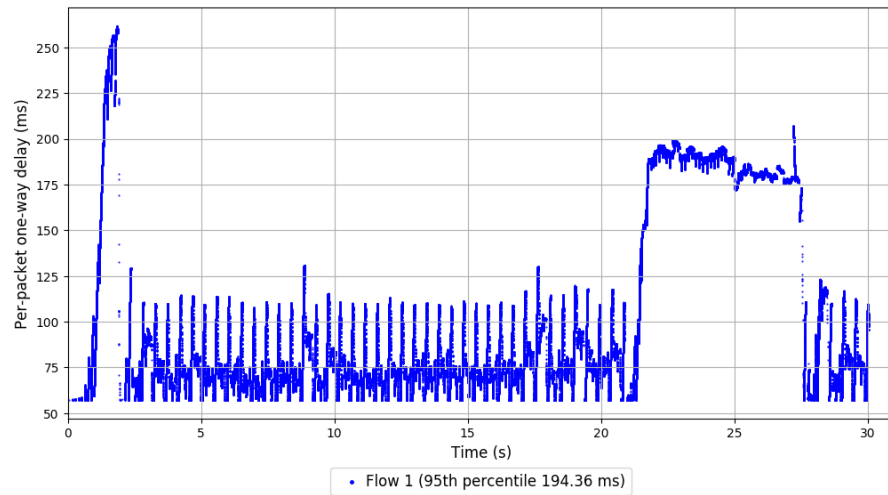
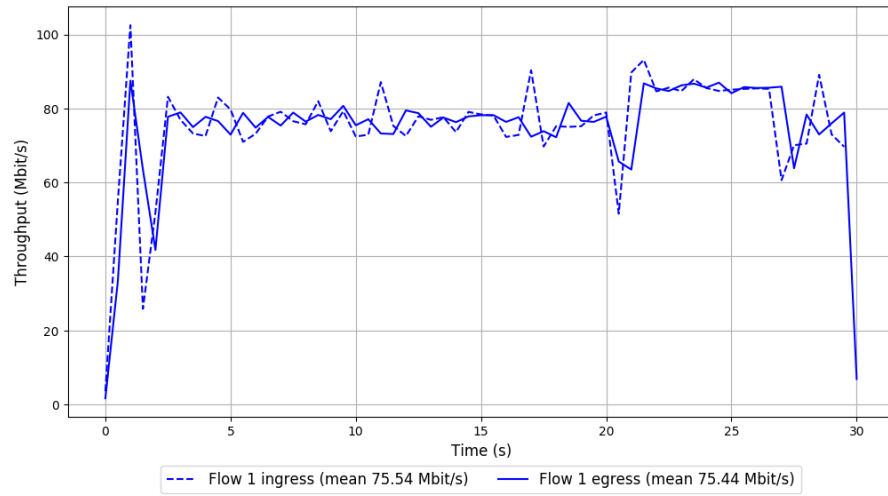
-- Flow 1:

Average throughput: 75.44 Mbit/s

95th percentile per-packet one-way delay: 194.357 ms

Loss rate: 0.03%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Mon, 24 Jul 2017 20:40:41 +0000

End at: Mon, 24 Jul 2017 20:41:11 +0000

Local clock offset: 0.446 ms

Remote clock offset: 6.416 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:18:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.25 Mbit/s

95th percentile per-packet one-way delay: 197.518 ms

Loss rate: 0.02%

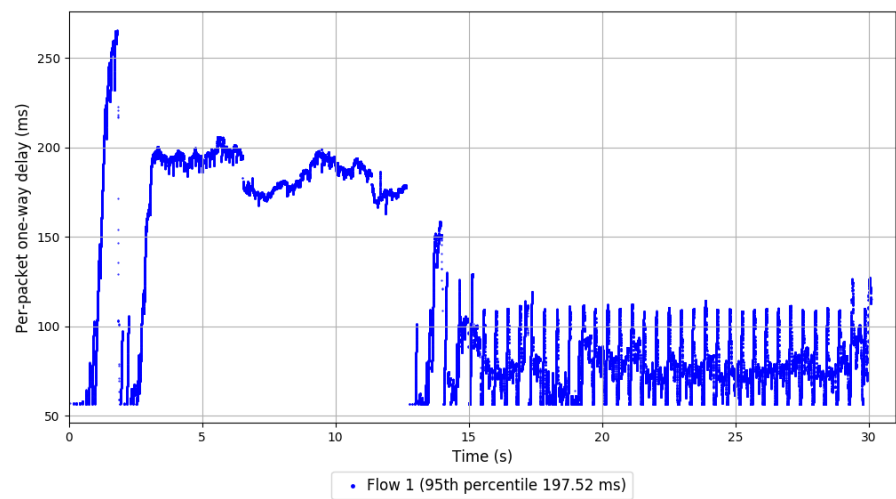
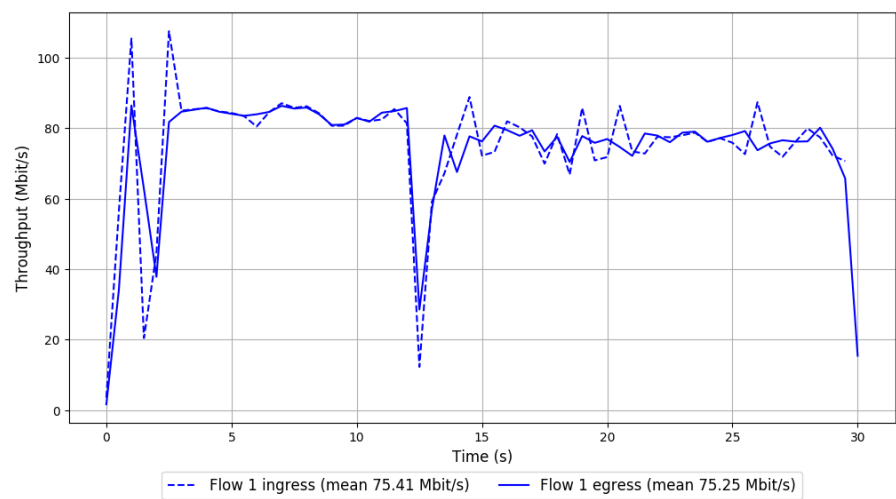
-- Flow 1:

Average throughput: 75.25 Mbit/s

95th percentile per-packet one-way delay: 197.518 ms

Loss rate: 0.02%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Mon, 24 Jul 2017 20:58:46 +0000

End at: Mon, 24 Jul 2017 20:59:16 +0000

Local clock offset: 0.474 ms

Remote clock offset: 5.969 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:18:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.23 Mbit/s

95th percentile per-packet one-way delay: 202.823 ms

Loss rate: 0.08%

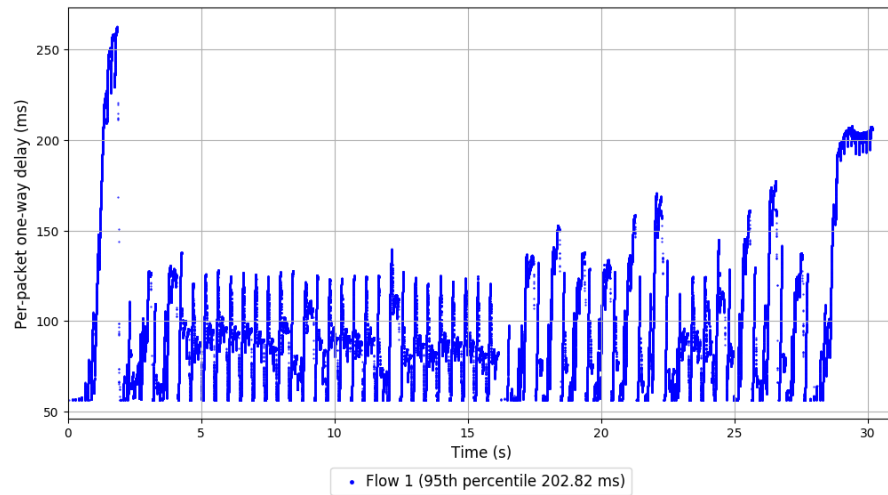
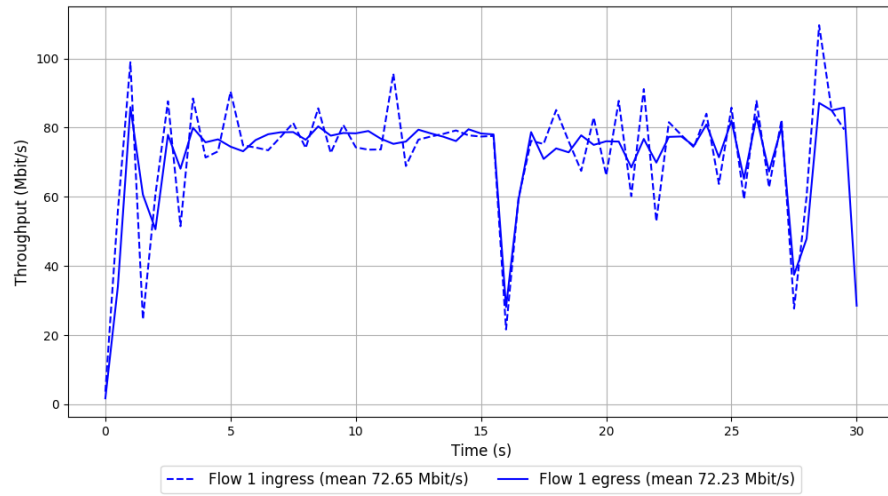
-- Flow 1:

Average throughput: 72.23 Mbit/s

95th percentile per-packet one-way delay: 202.823 ms

Loss rate: 0.08%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

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

End at: Mon, 24 Jul 2017 21:17:26 +0000

Local clock offset: 0.483 ms

Remote clock offset: 6.476 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:18:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.19 Mbit/s

95th percentile per-packet one-way delay: 204.855 ms

Loss rate: 0.04%

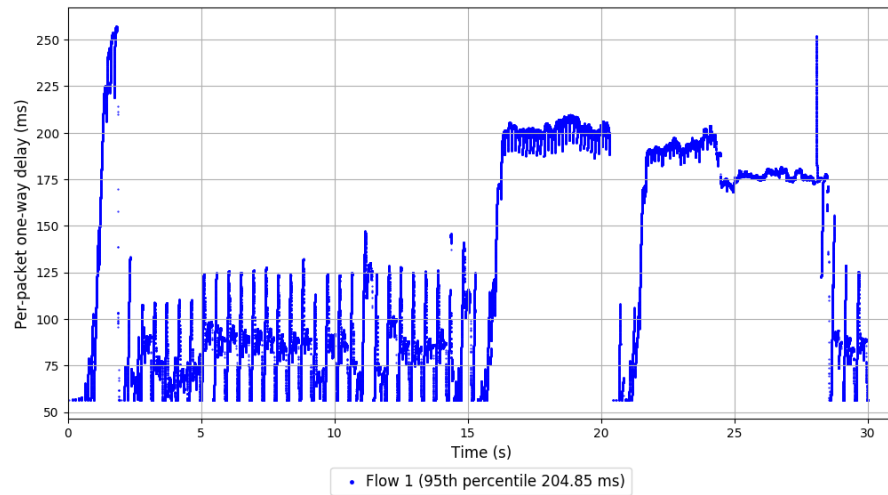
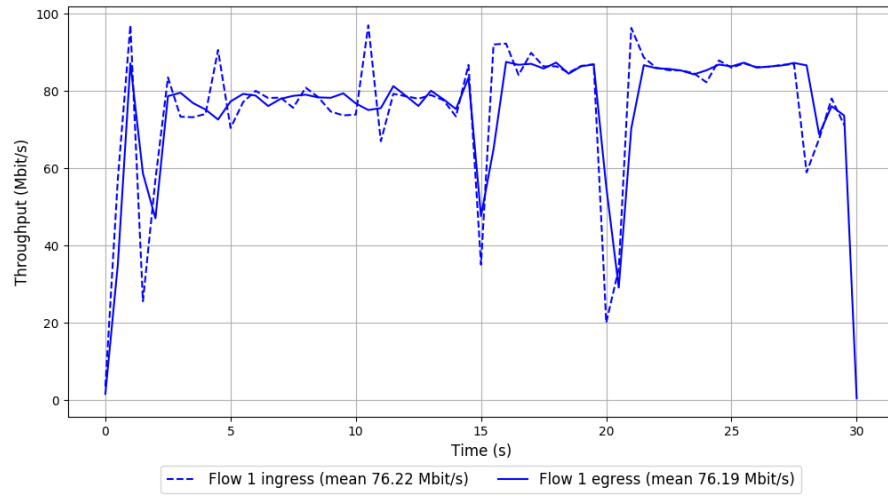
-- Flow 1:

Average throughput: 76.19 Mbit/s

95th percentile per-packet one-way delay: 204.855 ms

Loss rate: 0.04%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Mon, 24 Jul 2017 21:35:01 +0000

End at: Mon, 24 Jul 2017 21:35:31 +0000

Local clock offset: 0.424 ms

Remote clock offset: 6.489 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:18:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 70.85 Mbit/s

95th percentile per-packet one-way delay: 194.095 ms

Loss rate: 0.09%

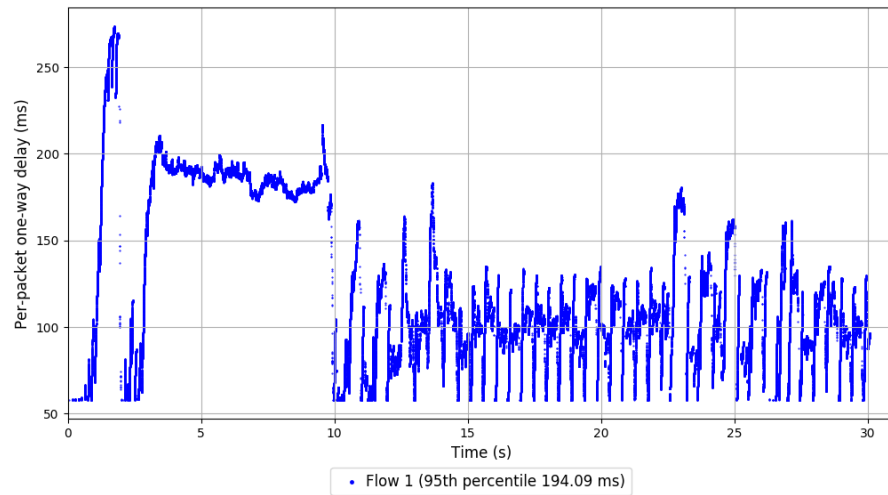
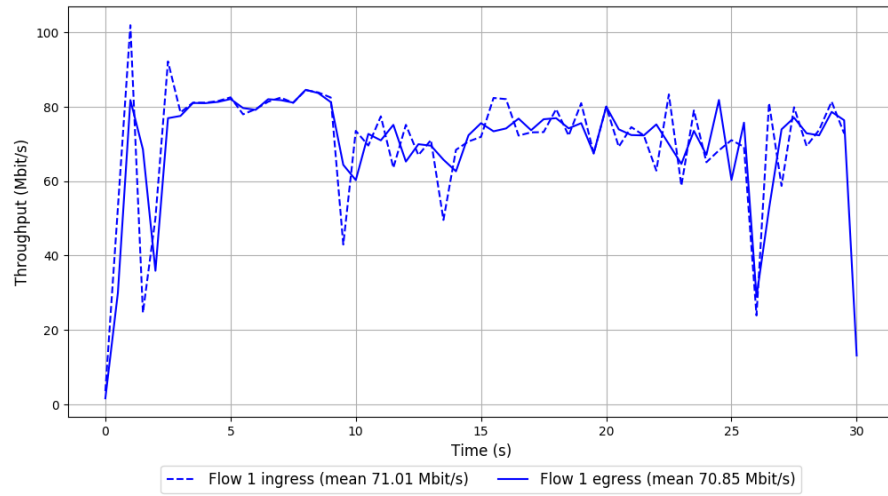
-- Flow 1:

Average throughput: 70.85 Mbit/s

95th percentile per-packet one-way delay: 194.095 ms

Loss rate: 0.09%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Mon, 24 Jul 2017 21:53:03 +0000

End at: Mon, 24 Jul 2017 21:53:33 +0000

Local clock offset: 0.407 ms

Remote clock offset: 5.583 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:18:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.70 Mbit/s

95th percentile per-packet one-way delay: 190.570 ms

Loss rate: 0.16%

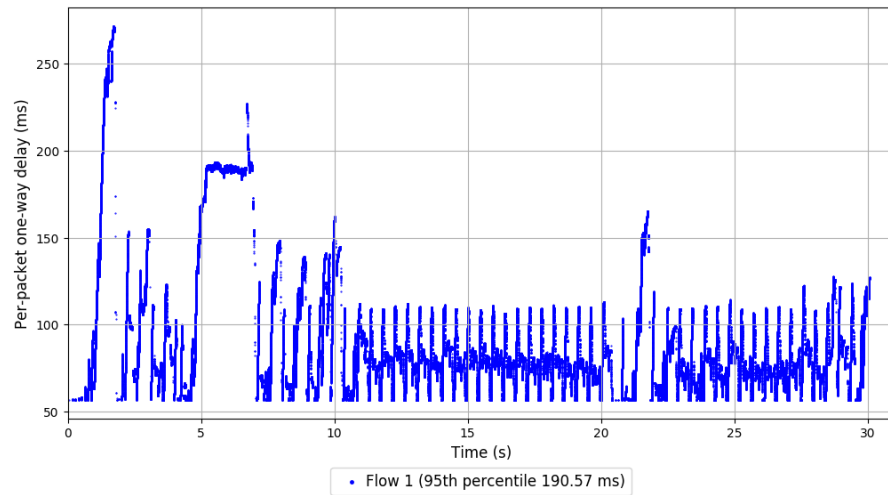
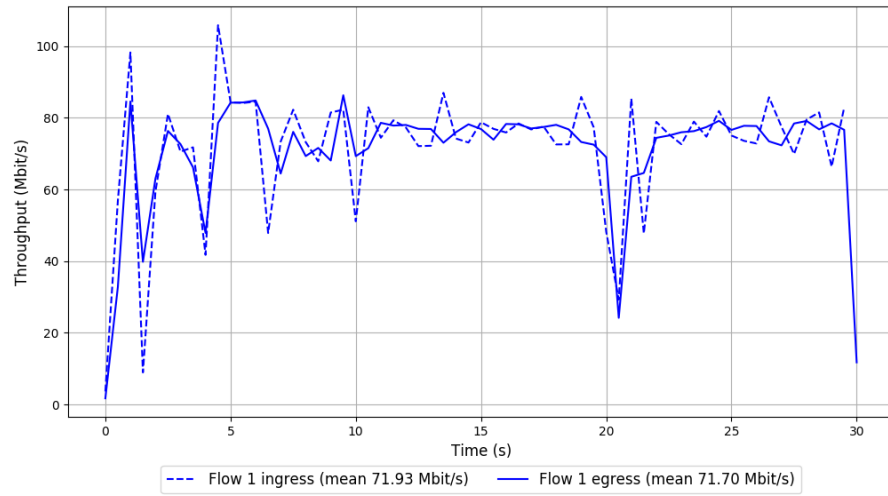
-- Flow 1:

Average throughput: 71.70 Mbit/s

95th percentile per-packet one-way delay: 190.570 ms

Loss rate: 0.16%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Mon, 24 Jul 2017 22:11:14 +0000

End at: Mon, 24 Jul 2017 22:11:44 +0000

Local clock offset: 0.398 ms

Remote clock offset: 4.801 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:18:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.42 Mbit/s

95th percentile per-packet one-way delay: 133.070 ms

Loss rate: 0.17%

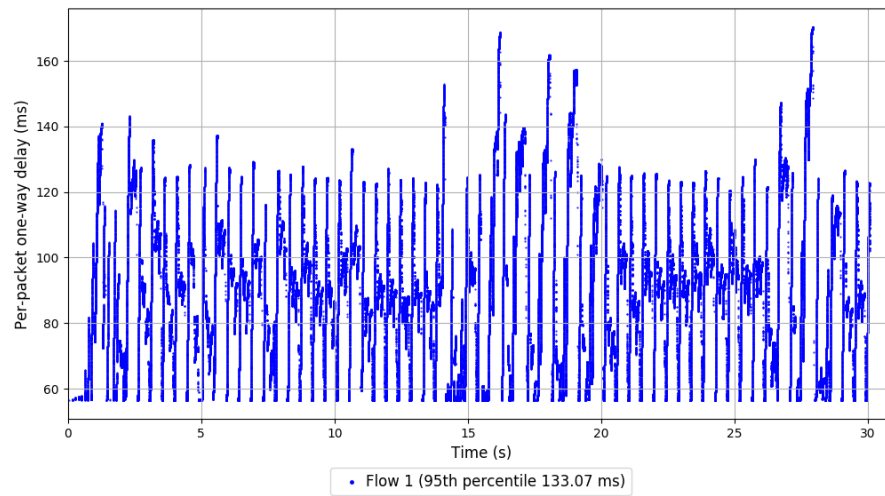
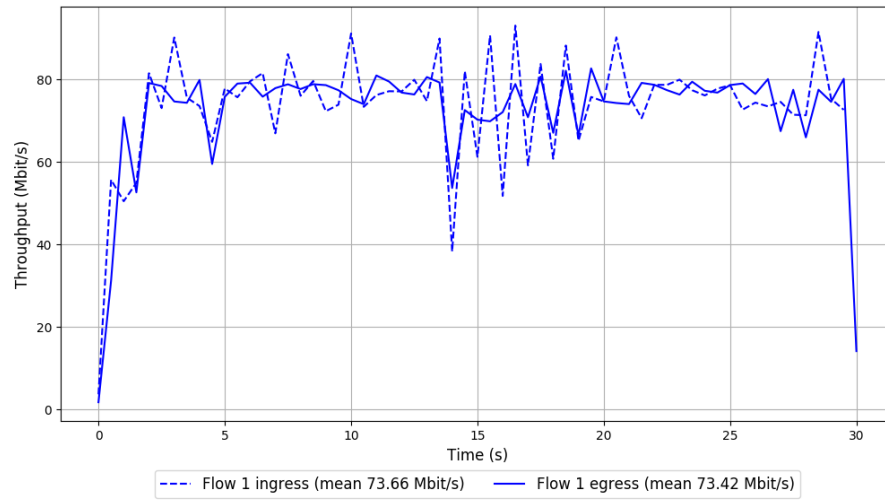
-- Flow 1:

Average throughput: 73.42 Mbit/s

95th percentile per-packet one-way delay: 133.070 ms

Loss rate: 0.17%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Mon, 24 Jul 2017 22:29:14 +0000

End at: Mon, 24 Jul 2017 22:29:44 +0000

Local clock offset: 0.37 ms

Remote clock offset: 4.161 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:18:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.71 Mbit/s

95th percentile per-packet one-way delay: 212.172 ms

Loss rate: 0.05%

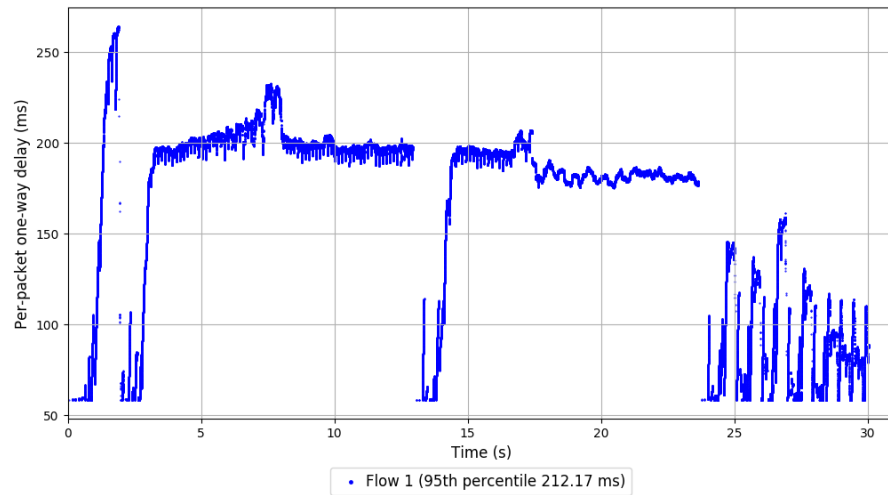
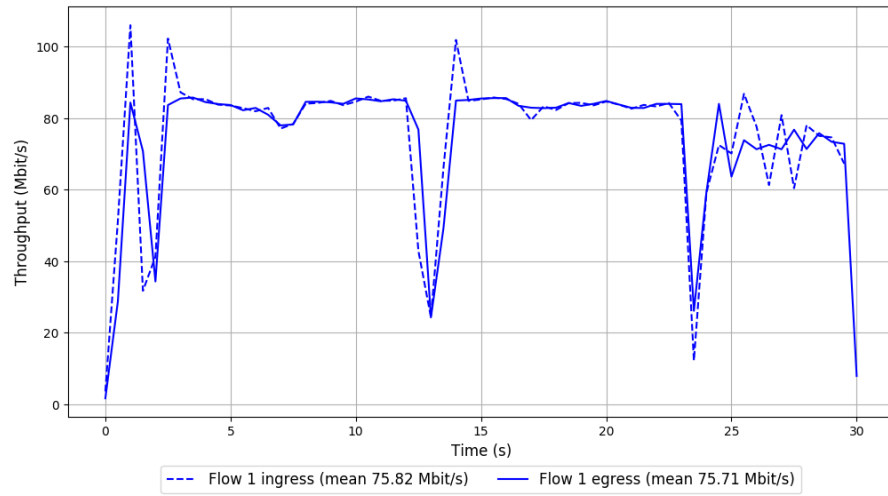
-- Flow 1:

Average throughput: 75.71 Mbit/s

95th percentile per-packet one-way delay: 212.172 ms

Loss rate: 0.05%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Mon, 24 Jul 2017 22:47:13 +0000

End at: Mon, 24 Jul 2017 22:47:43 +0000

Local clock offset: 0.33 ms

Remote clock offset: 3.019 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:18:47 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.09 Mbit/s

95th percentile per-packet one-way delay: 187.825 ms

Loss rate: 0.38%

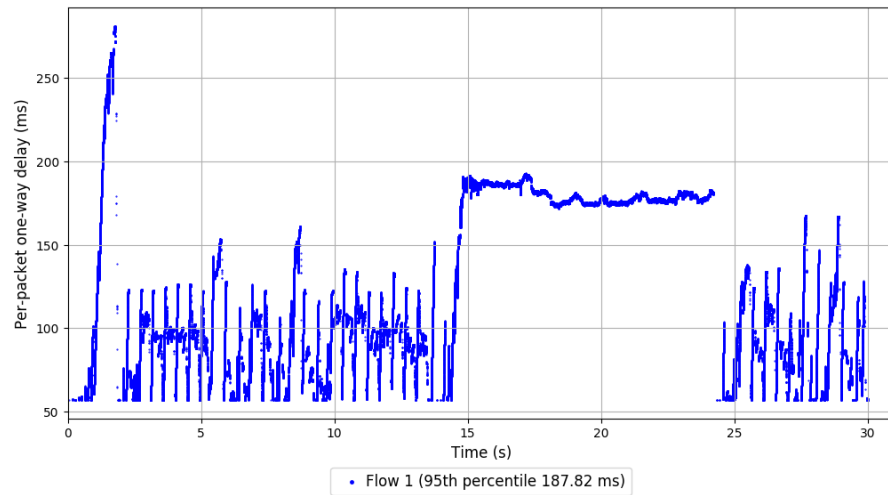
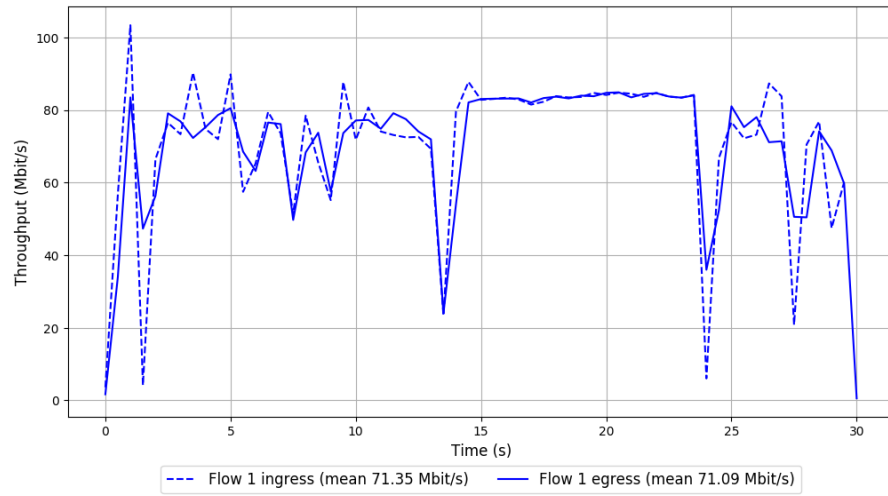
-- Flow 1:

Average throughput: 71.09 Mbit/s

95th percentile per-packet one-way delay: 187.825 ms

Loss rate: 0.38%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 20:14:29 +0000

End at: Mon, 24 Jul 2017 20:14:59 +0000

Local clock offset: 0.536 ms

Remote clock offset: 6.029 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:18:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.06 Mbit/s

95th percentile per-packet one-way delay: 82.442 ms

Loss rate: 0.02%

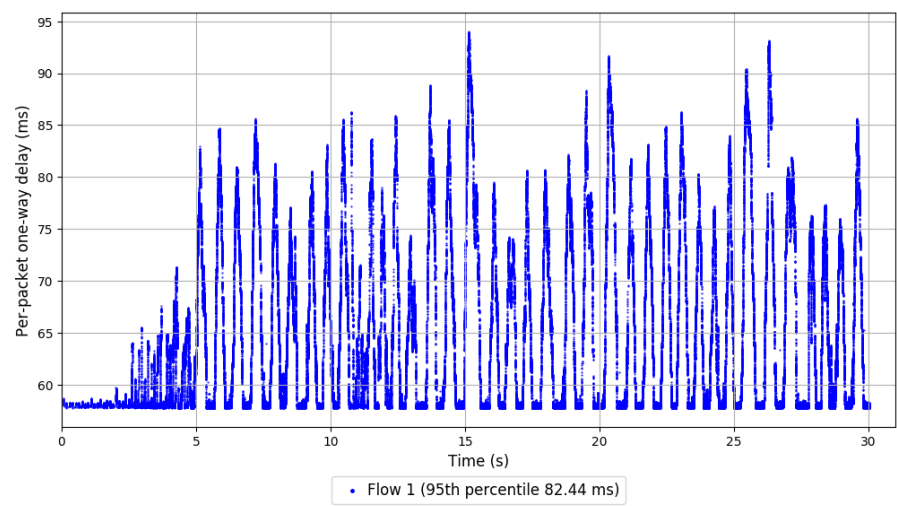
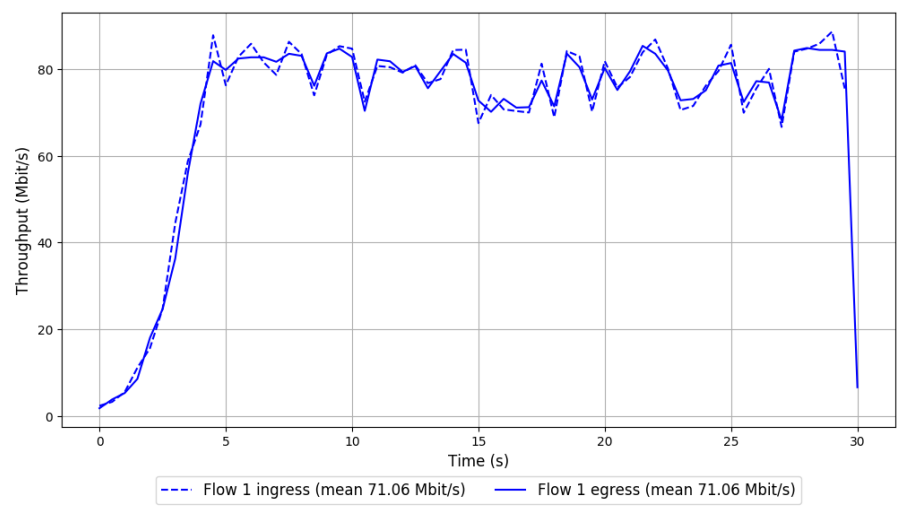
-- Flow 1:

Average throughput: 71.06 Mbit/s

95th percentile per-packet one-way delay: 82.442 ms

Loss rate: 0.02%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 20:32:19 +0000

End at: Mon, 24 Jul 2017 20:32:49 +0000

Local clock offset: 0.511 ms

Remote clock offset: 6.236 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:18:57 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.70 Mbit/s

95th percentile per-packet one-way delay: 86.367 ms

Loss rate: 0.00%

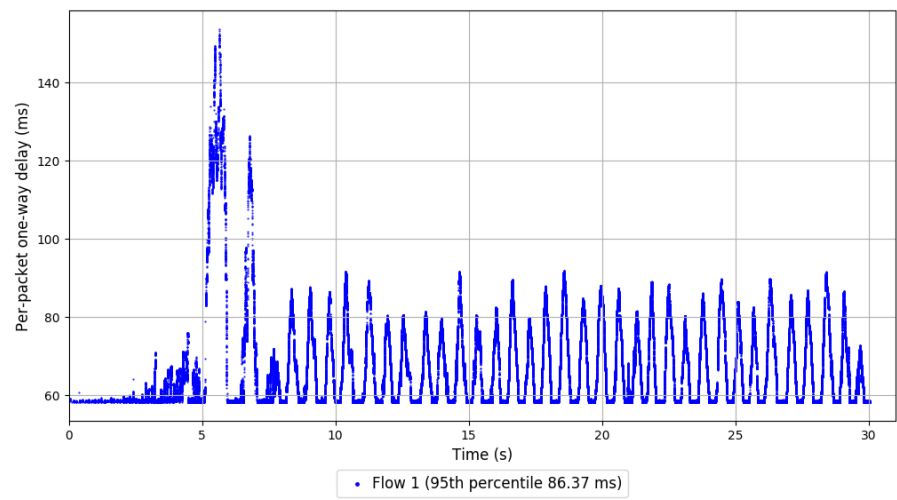
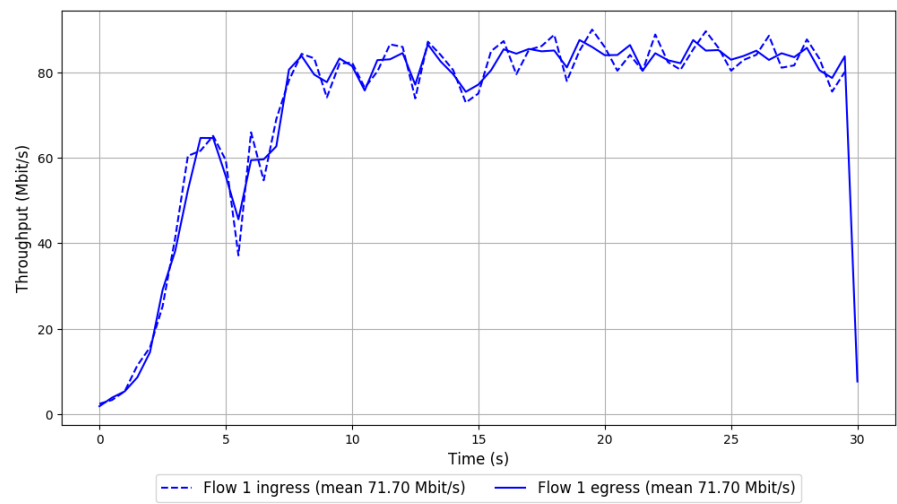
-- Flow 1:

Average throughput: 71.70 Mbit/s

95th percentile per-packet one-way delay: 86.367 ms

Loss rate: 0.00%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 20:50:16 +0000

End at: Mon, 24 Jul 2017 20:50:46 +0000

Local clock offset: 0.421 ms

Remote clock offset: 6.032 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:19:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.25 Mbit/s

95th percentile per-packet one-way delay: 84.257 ms

Loss rate: 0.04%

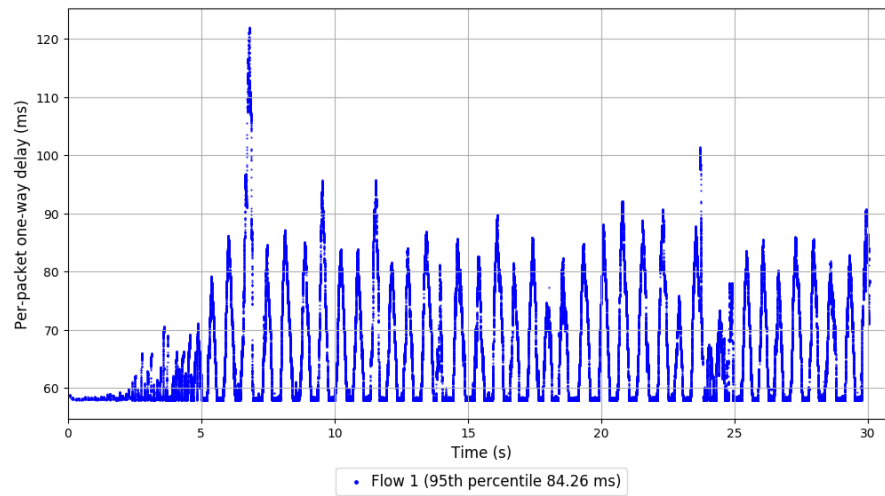
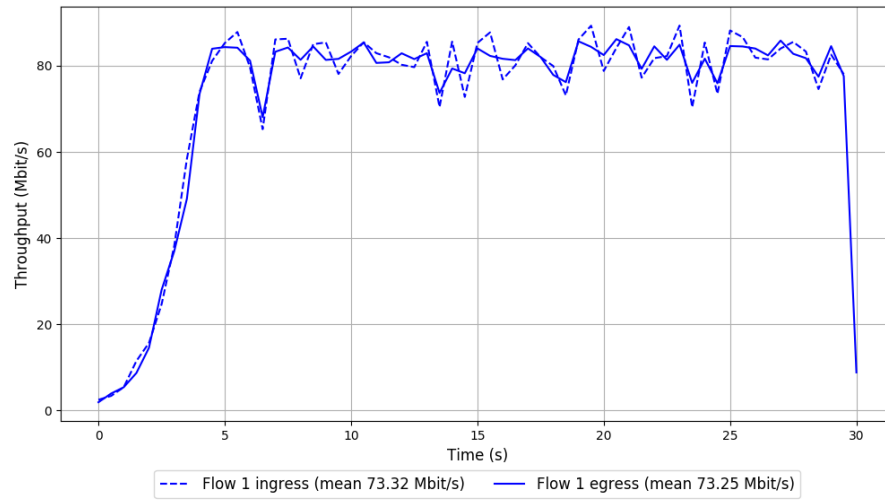
-- Flow 1:

Average throughput: 73.25 Mbit/s

95th percentile per-packet one-way delay: 84.257 ms

Loss rate: 0.04%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 21:08:33 +0000

End at: Mon, 24 Jul 2017 21:09:03 +0000

Local clock offset: 0.436 ms

Remote clock offset: 6.578 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:19:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.16 Mbit/s

95th percentile per-packet one-way delay: 82.712 ms

Loss rate: 0.02%

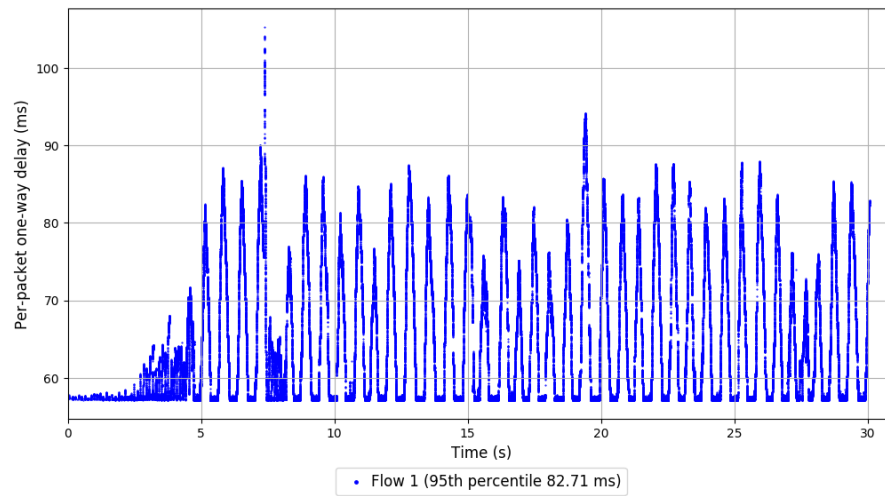
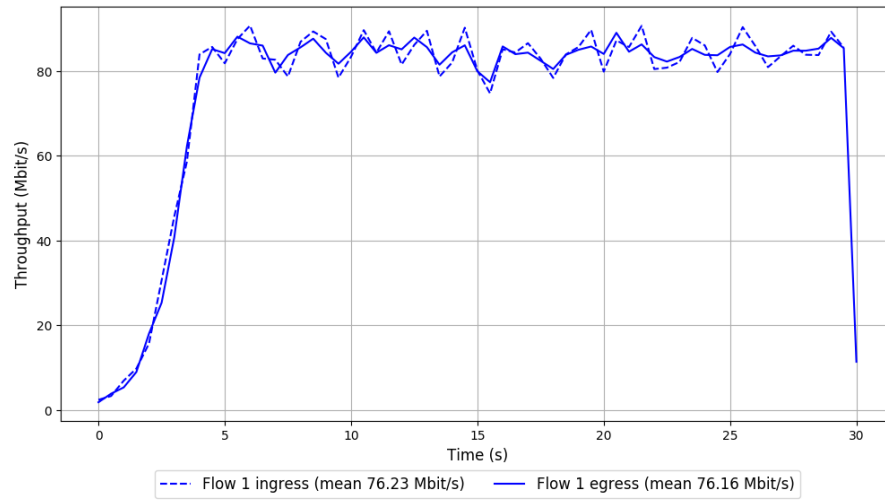
-- Flow 1:

Average throughput: 76.16 Mbit/s

95th percentile per-packet one-way delay: 82.712 ms

Loss rate: 0.02%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 21:26:38 +0000

End at: Mon, 24 Jul 2017 21:27:08 +0000

Local clock offset: 0.429 ms

Remote clock offset: 6.139 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:19:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.92 Mbit/s

95th percentile per-packet one-way delay: 82.382 ms

Loss rate: 0.00%

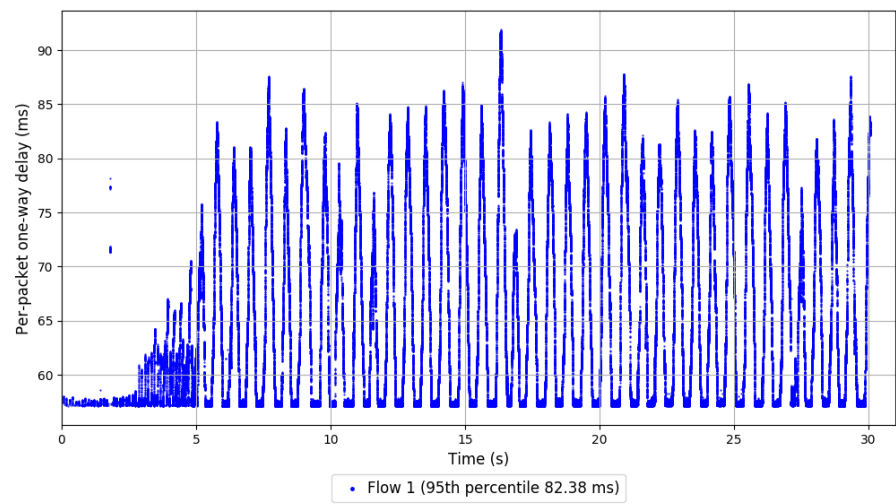
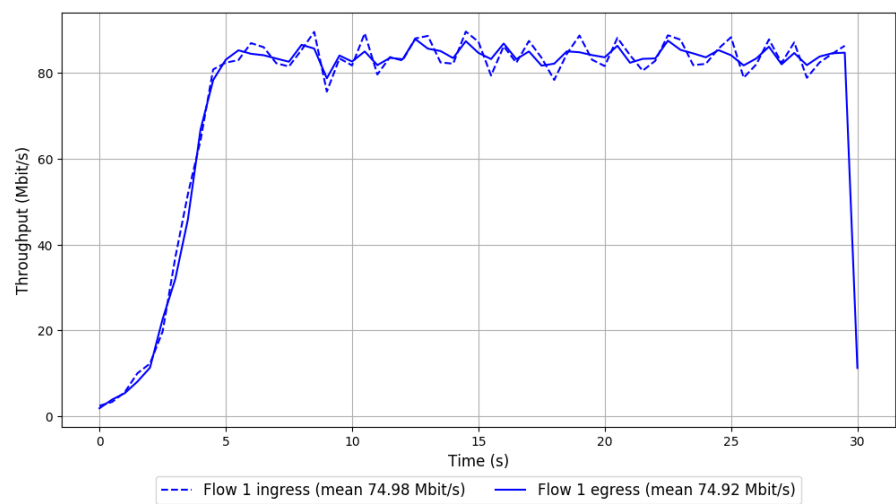
-- Flow 1:

Average throughput: 74.92 Mbit/s

95th percentile per-packet one-way delay: 82.382 ms

Loss rate: 0.00%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 21:44:40 +0000

End at: Mon, 24 Jul 2017 21:45:10 +0000

Local clock offset: 0.339 ms

Remote clock offset: 5.624 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:19:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.73 Mbit/s

95th percentile per-packet one-way delay: 83.821 ms

Loss rate: 0.07%

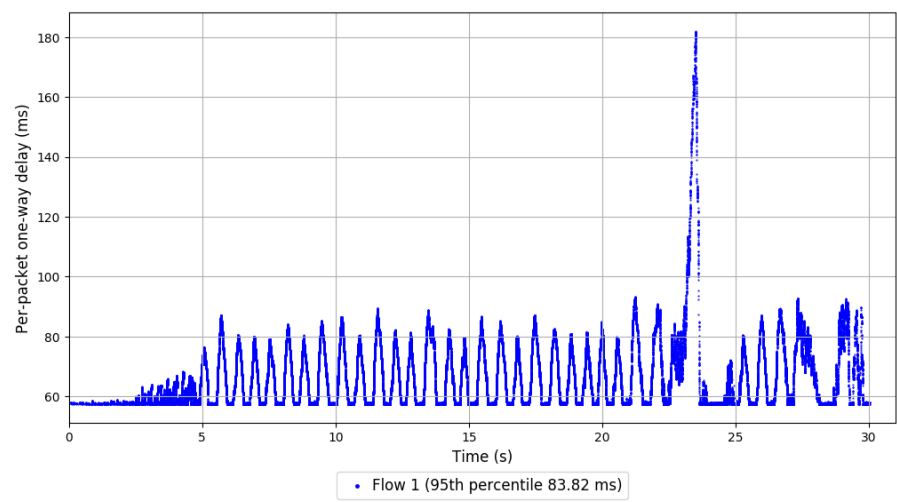
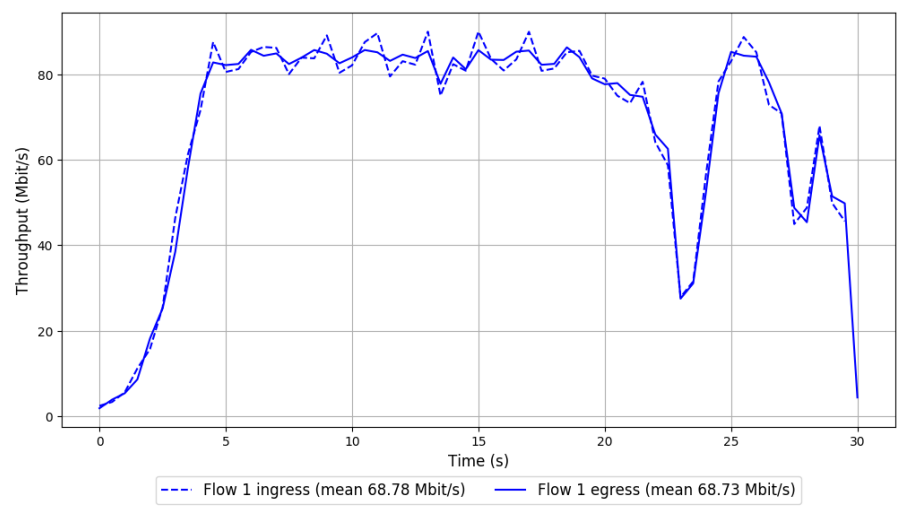
-- Flow 1:

Average throughput: 68.73 Mbit/s

95th percentile per-packet one-way delay: 83.821 ms

Loss rate: 0.07%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 22:02:50 +0000

End at: Mon, 24 Jul 2017 22:03:20 +0000

Local clock offset: 0.402 ms

Remote clock offset: 5.146 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:19:28 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.25 Mbit/s

95th percentile per-packet one-way delay: 82.587 ms

Loss rate: 0.02%

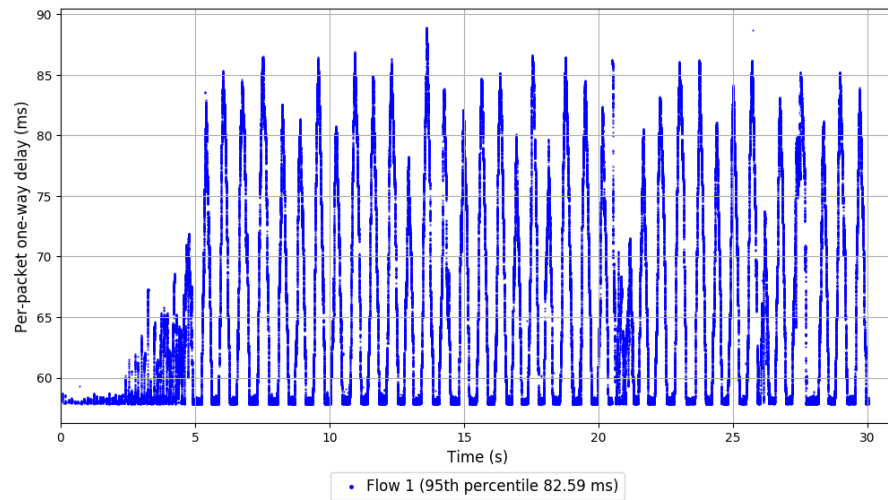
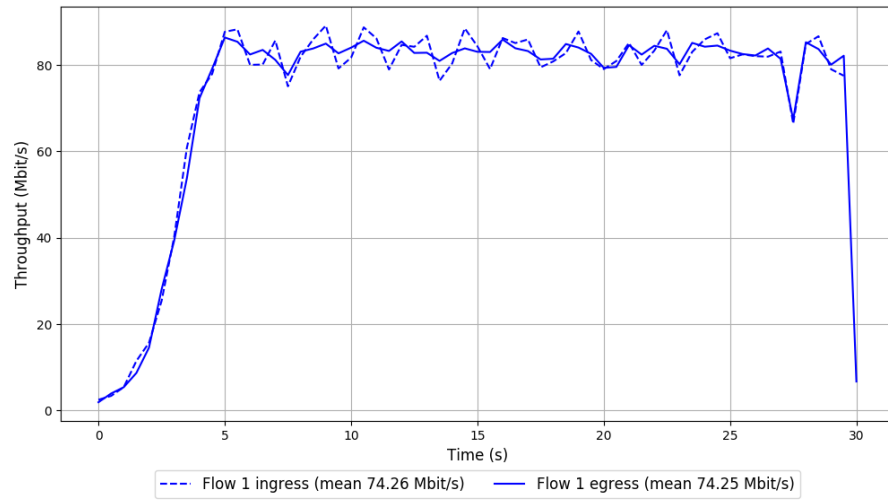
-- Flow 1:

Average throughput: 74.25 Mbit/s

95th percentile per-packet one-way delay: 82.587 ms

Loss rate: 0.02%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 22:20:50 +0000

End at: Mon, 24 Jul 2017 22:21:20 +0000

Local clock offset: 0.388 ms

Remote clock offset: 4.498 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:19:29 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.49 Mbit/s

95th percentile per-packet one-way delay: 83.698 ms

Loss rate: 0.03%

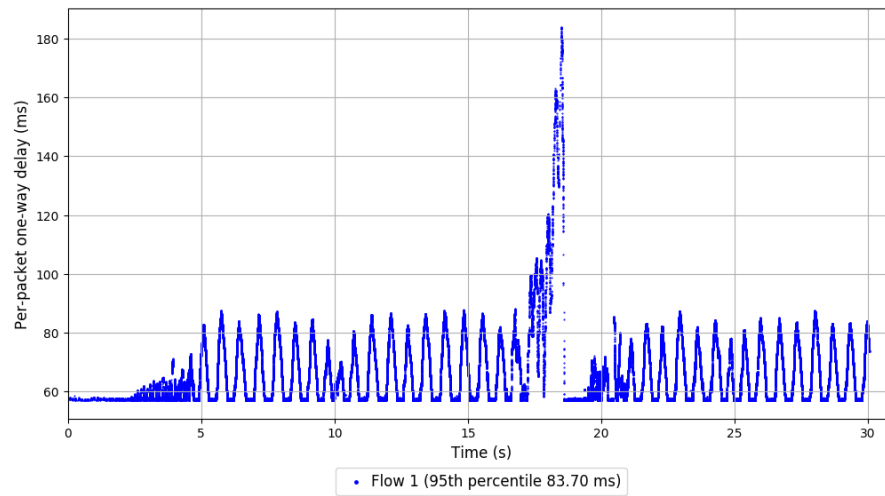
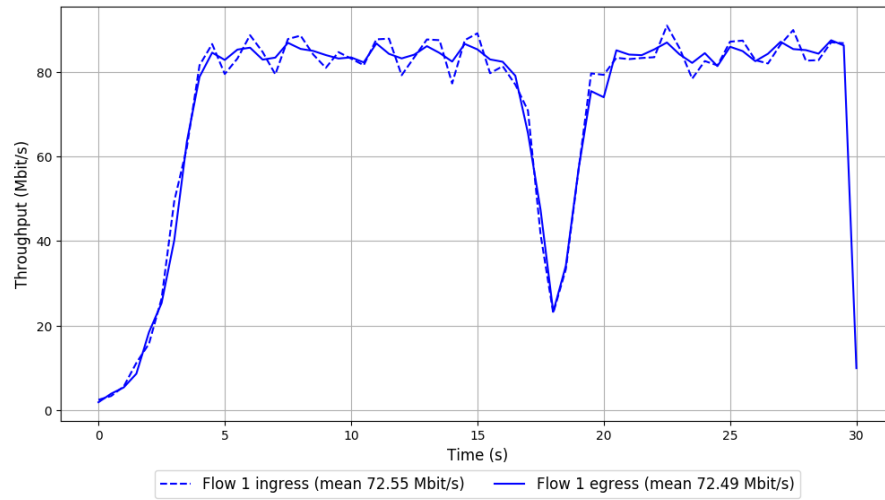
-- Flow 1:

Average throughput: 72.49 Mbit/s

95th percentile per-packet one-way delay: 83.698 ms

Loss rate: 0.03%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 22:38:52 +0000

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

Local clock offset: 0.406 ms

Remote clock offset: 3.331 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.58 Mbit/s

95th percentile per-packet one-way delay: 84.001 ms

Loss rate: 0.02%

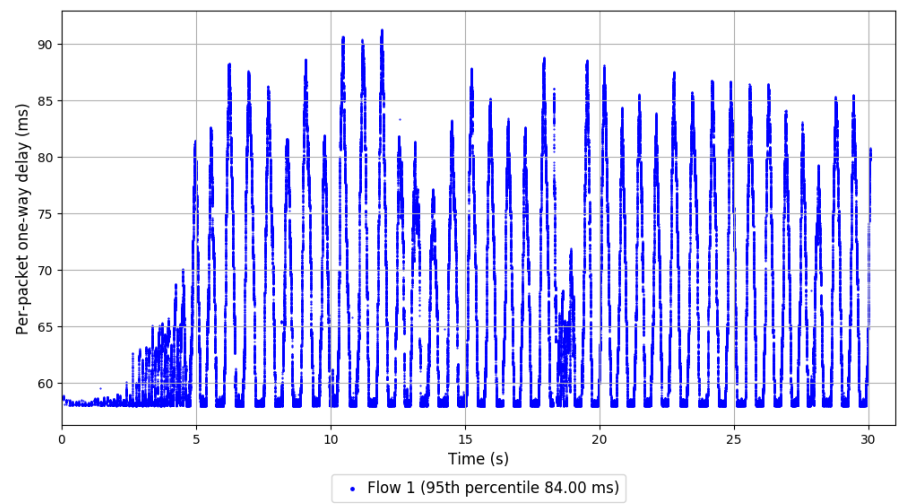
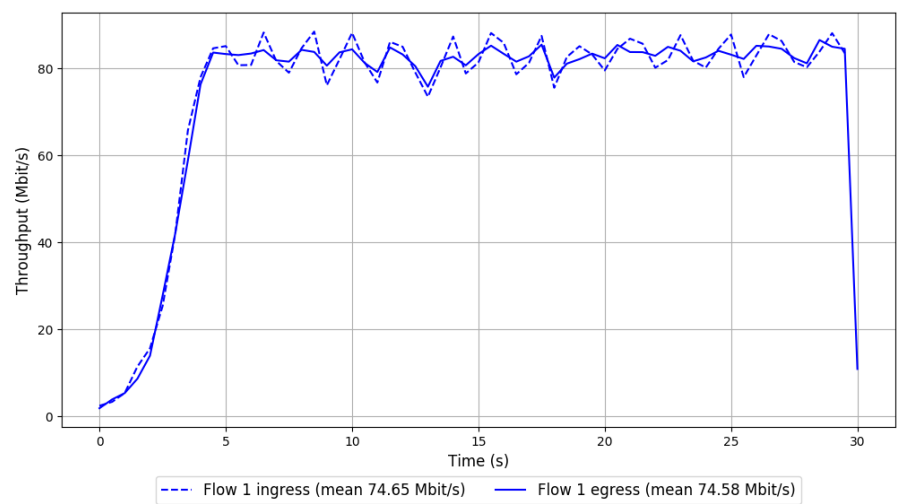
-- Flow 1:

Average throughput: 74.58 Mbit/s

95th percentile per-packet one-way delay: 84.001 ms

Loss rate: 0.02%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 22:56:48 +0000

End at: Mon, 24 Jul 2017 22:57:18 +0000

Local clock offset: 0.375 ms

Remote clock offset: 2.551 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.86 Mbit/s

95th percentile per-packet one-way delay: 83.801 ms

Loss rate: 0.02%

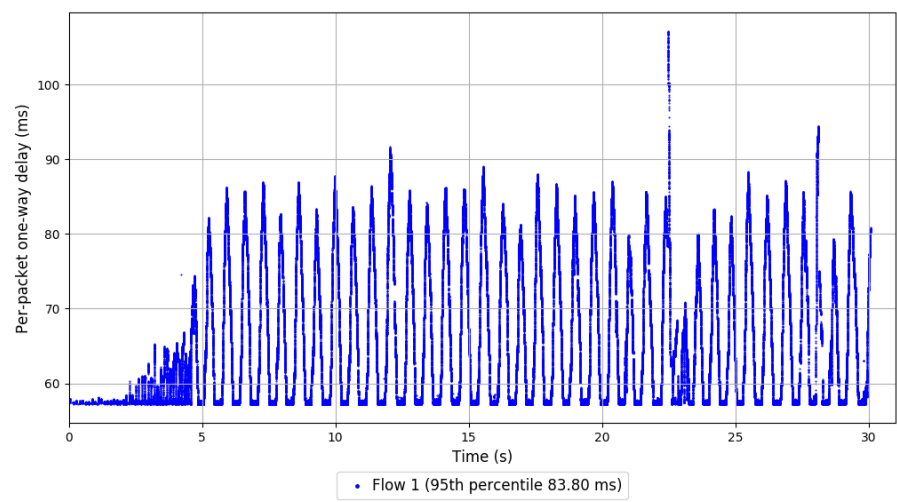
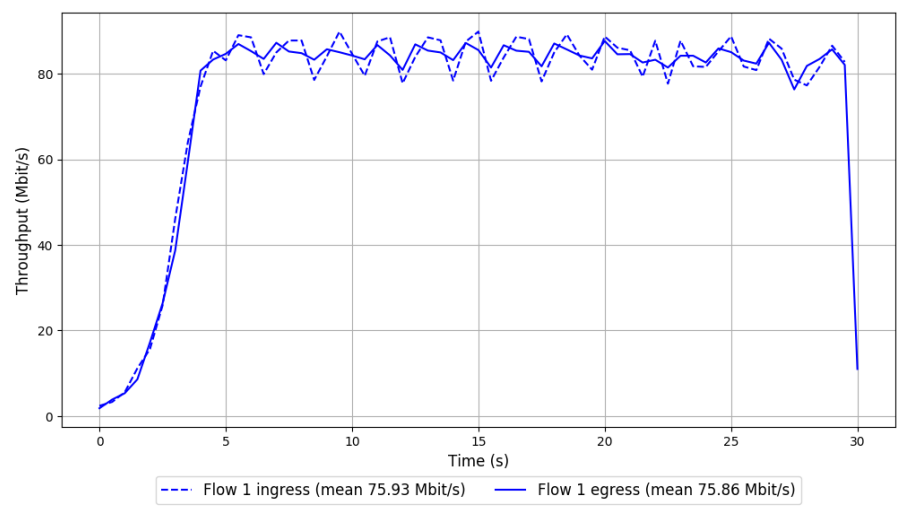
-- Flow 1:

Average throughput: 75.86 Mbit/s

95th percentile per-packet one-way delay: 83.801 ms

Loss rate: 0.02%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Mon, 24 Jul 2017 20:09:42 +0000

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

Local clock offset: 0.462 ms

Remote clock offset: 5.88 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:19:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.85 Mbit/s

95th percentile per-packet one-way delay: 61.714 ms

Loss rate: 0.03%

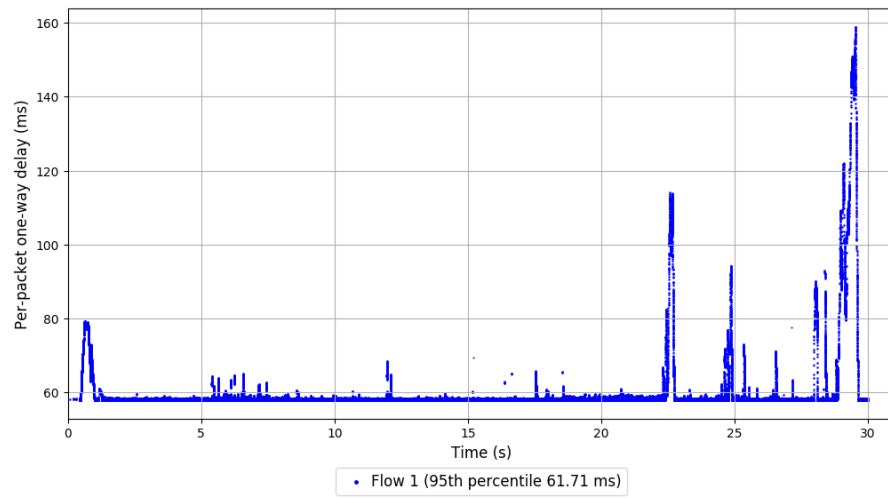
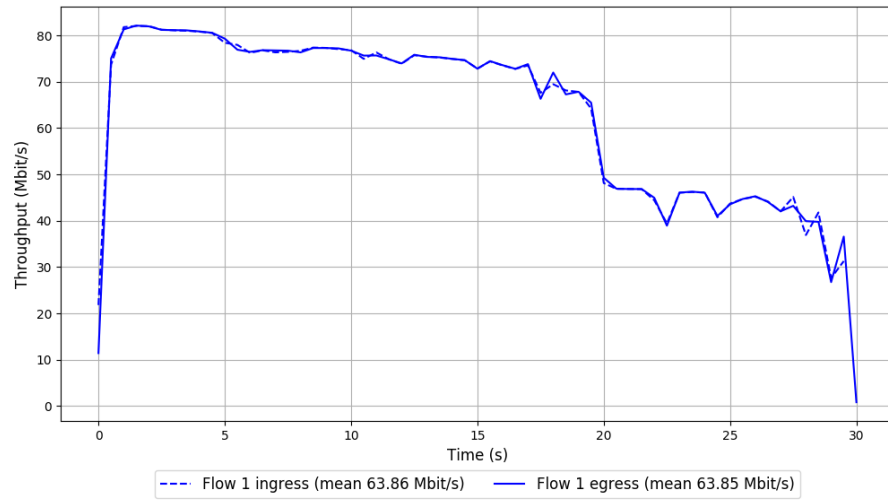
-- Flow 1:

Average throughput: 63.85 Mbit/s

95th percentile per-packet one-way delay: 61.714 ms

Loss rate: 0.03%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Mon, 24 Jul 2017 20:27:34 +0000

End at: Mon, 24 Jul 2017 20:28:04 +0000

Local clock offset: 0.534 ms

Remote clock offset: 5.676 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:19:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.04 Mbit/s

95th percentile per-packet one-way delay: 85.364 ms

Loss rate: 0.02%

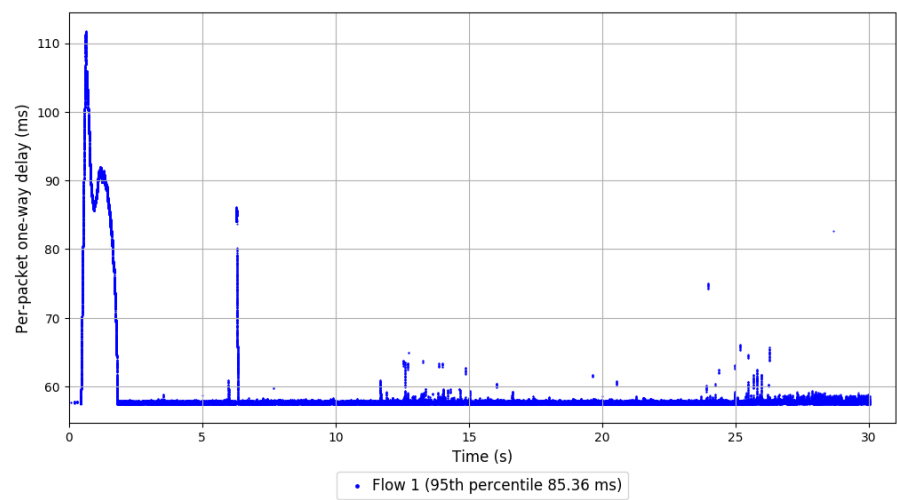
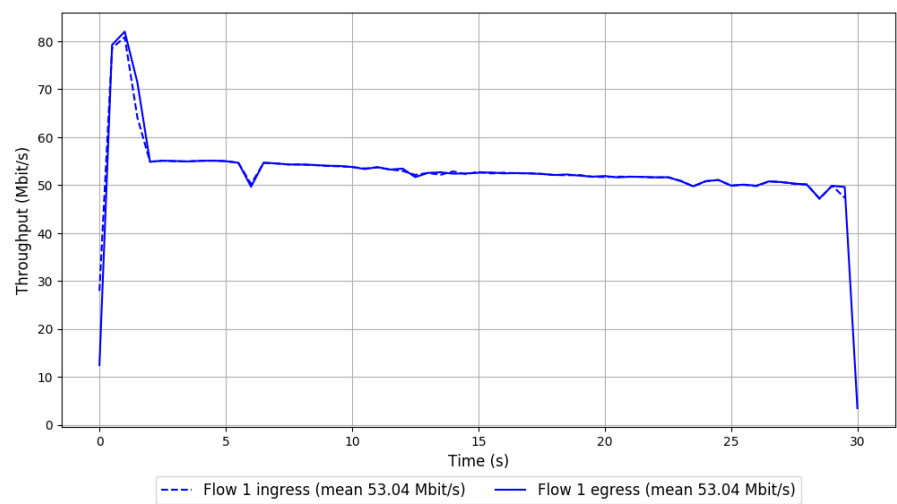
-- Flow 1:

Average throughput: 53.04 Mbit/s

95th percentile per-packet one-way delay: 85.364 ms

Loss rate: 0.02%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Mon, 24 Jul 2017 20:45:35 +0000

End at: Mon, 24 Jul 2017 20:46:05 +0000

Local clock offset: 0.513 ms

Remote clock offset: 6.151 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:20:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.16 Mbit/s

95th percentile per-packet one-way delay: 68.699 ms

Loss rate: 0.10%

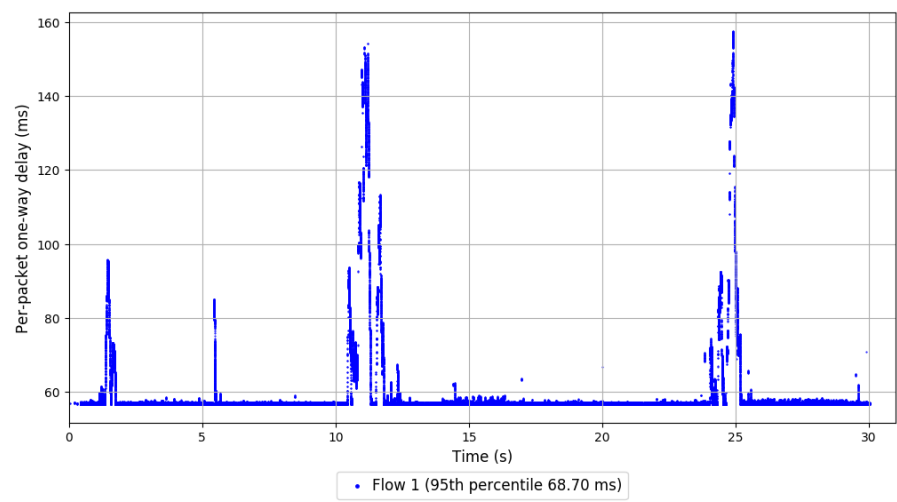
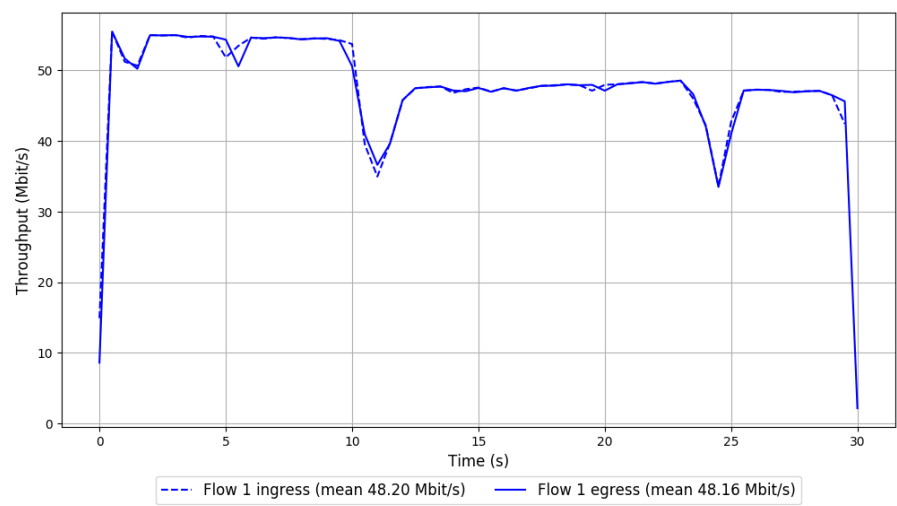
-- Flow 1:

Average throughput: 48.16 Mbit/s

95th percentile per-packet one-way delay: 68.699 ms

Loss rate: 0.10%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Mon, 24 Jul 2017 21:03:44 +0000

End at: Mon, 24 Jul 2017 21:04:14 +0000

Local clock offset: 0.46 ms

Remote clock offset: 6.315 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:20:10 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.86 Mbit/s

95th percentile per-packet one-way delay: 147.354 ms

Loss rate: 0.01%

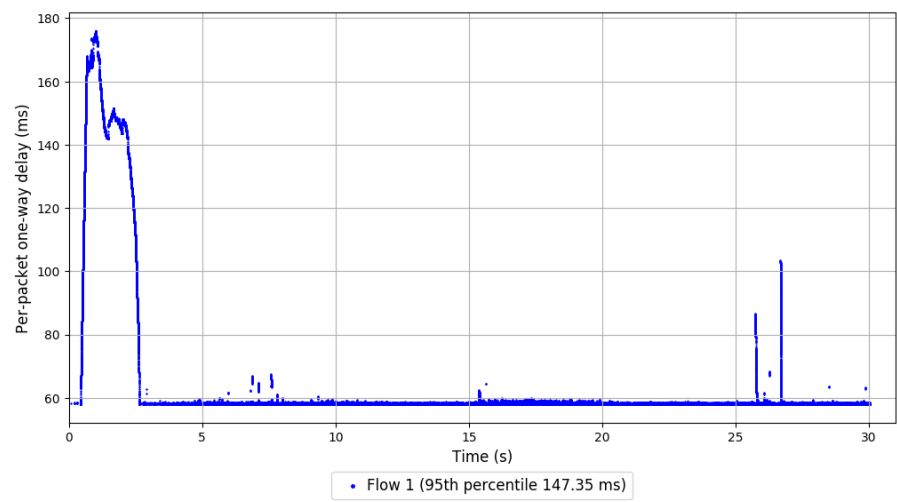
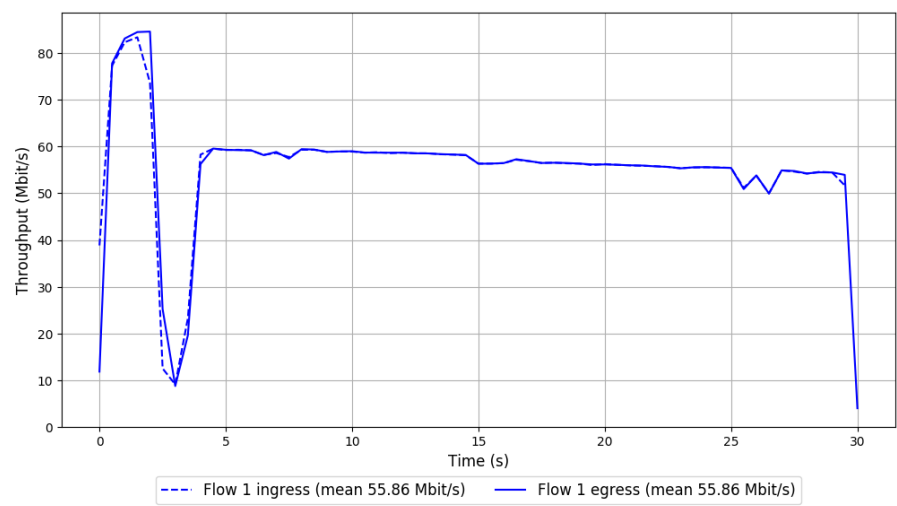
-- Flow 1:

Average throughput: 55.86 Mbit/s

95th percentile per-packet one-way delay: 147.354 ms

Loss rate: 0.01%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Mon, 24 Jul 2017 21:21:52 +0000

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

Local clock offset: 0.407 ms

Remote clock offset: 6.329 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:20:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.34 Mbit/s

95th percentile per-packet one-way delay: 57.401 ms

Loss rate: 0.01%

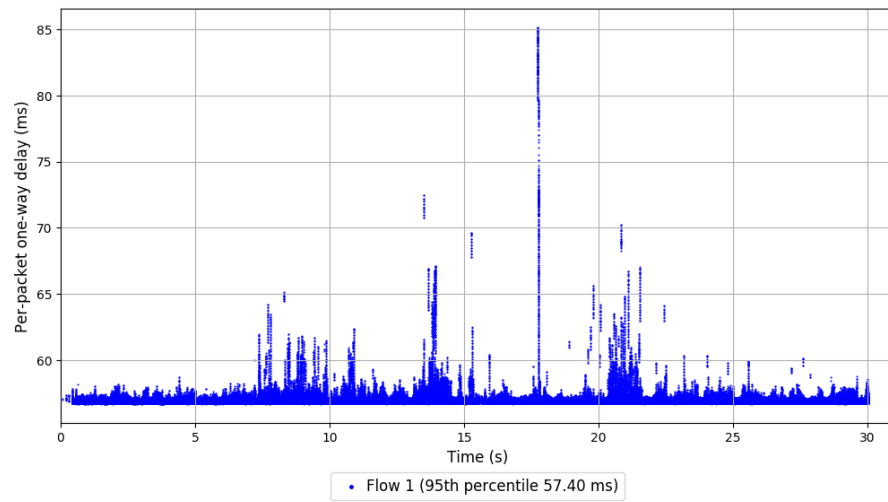
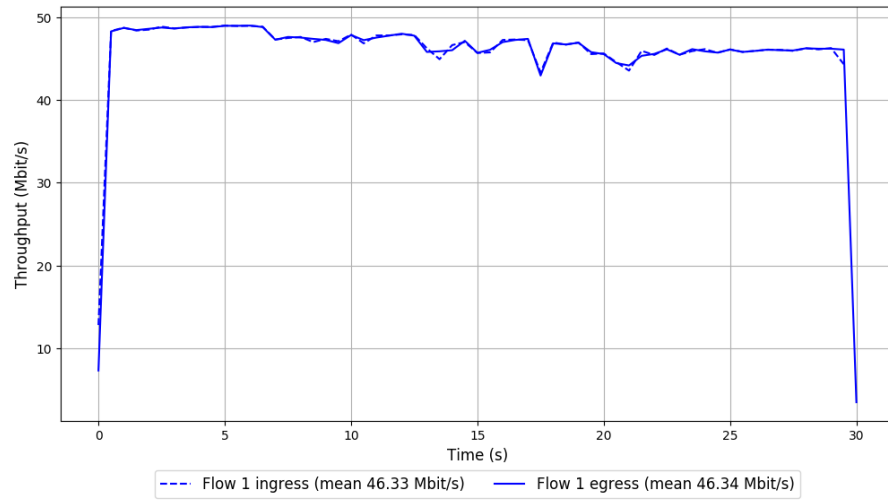
-- Flow 1:

Average throughput: 46.34 Mbit/s

95th percentile per-packet one-way delay: 57.401 ms

Loss rate: 0.01%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Mon, 24 Jul 2017 21:39:52 +0000

End at: Mon, 24 Jul 2017 21:40:22 +0000

Local clock offset: 0.439 ms

Remote clock offset: 5.873 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.19 Mbit/s

95th percentile per-packet one-way delay: 63.556 ms

Loss rate: 0.14%

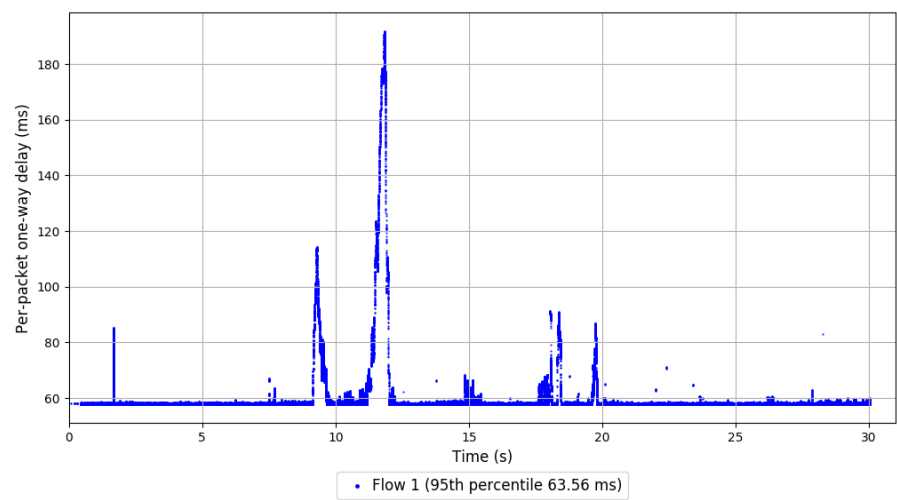
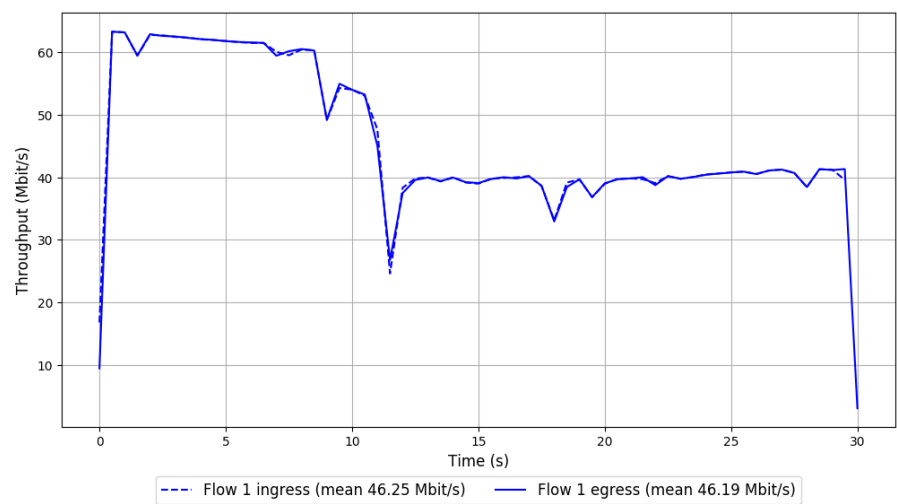
-- Flow 1:

Average throughput: 46.19 Mbit/s

95th percentile per-packet one-way delay: 63.556 ms

Loss rate: 0.14%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Mon, 24 Jul 2017 21:58:05 +0000

End at: Mon, 24 Jul 2017 21:58:35 +0000

Local clock offset: 0.39 ms

Remote clock offset: 5.36 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.07 Mbit/s

95th percentile per-packet one-way delay: 57.082 ms

Loss rate: 0.02%

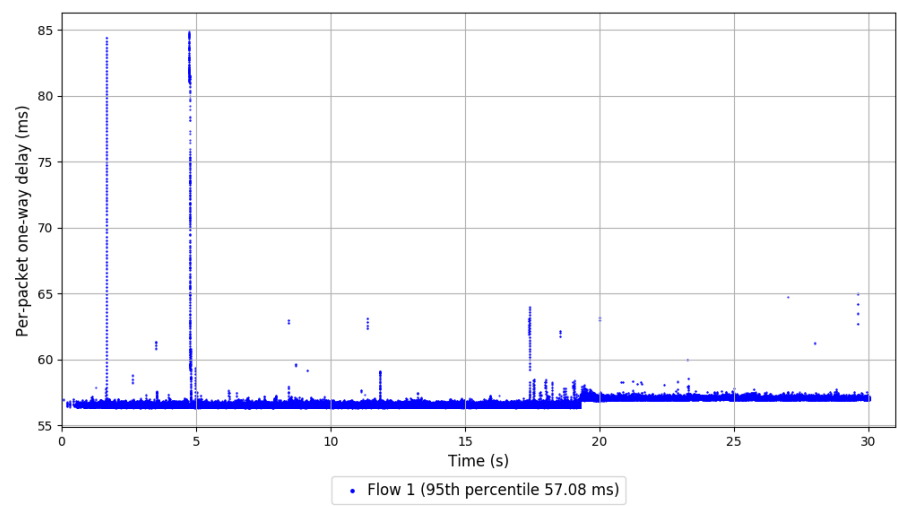
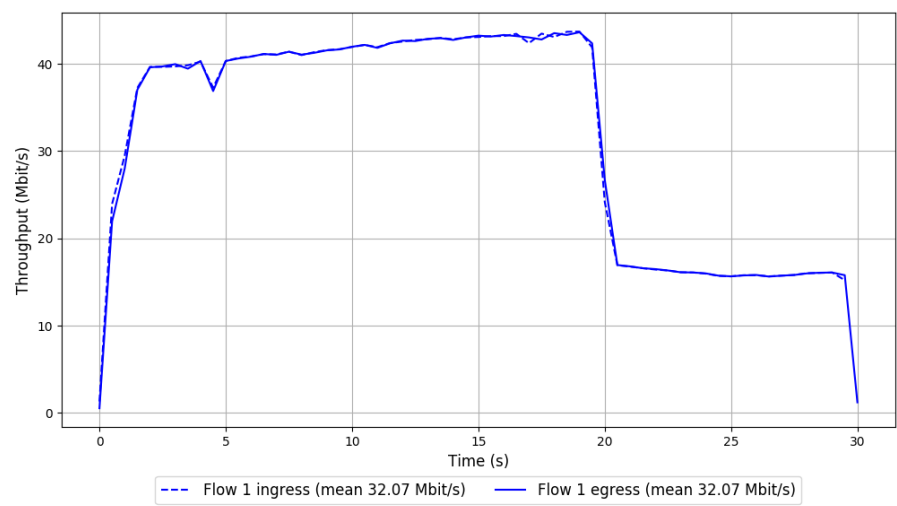
-- Flow 1:

Average throughput: 32.07 Mbit/s

95th percentile per-packet one-way delay: 57.082 ms

Loss rate: 0.02%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Mon, 24 Jul 2017 22:16:04 +0000

End at: Mon, 24 Jul 2017 22:16:34 +0000

Local clock offset: 0.401 ms

Remote clock offset: 4.686 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:20:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.13 Mbit/s

95th percentile per-packet one-way delay: 57.917 ms

Loss rate: 0.25%

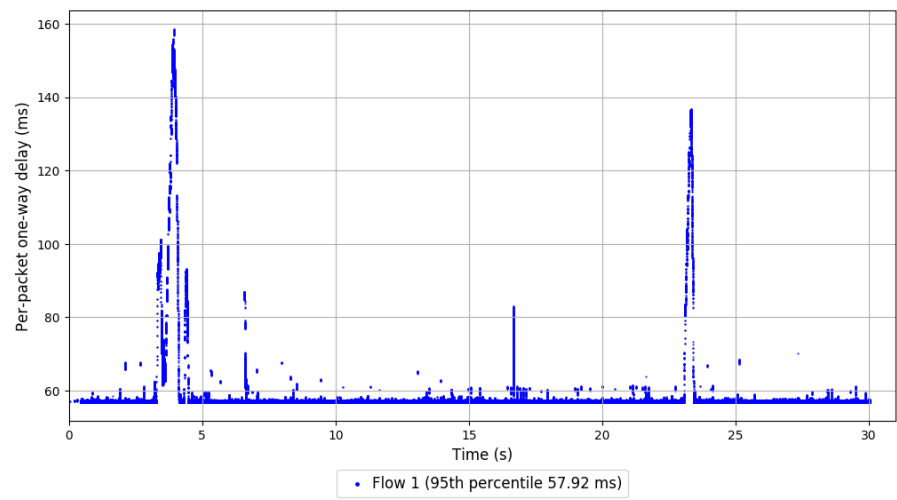
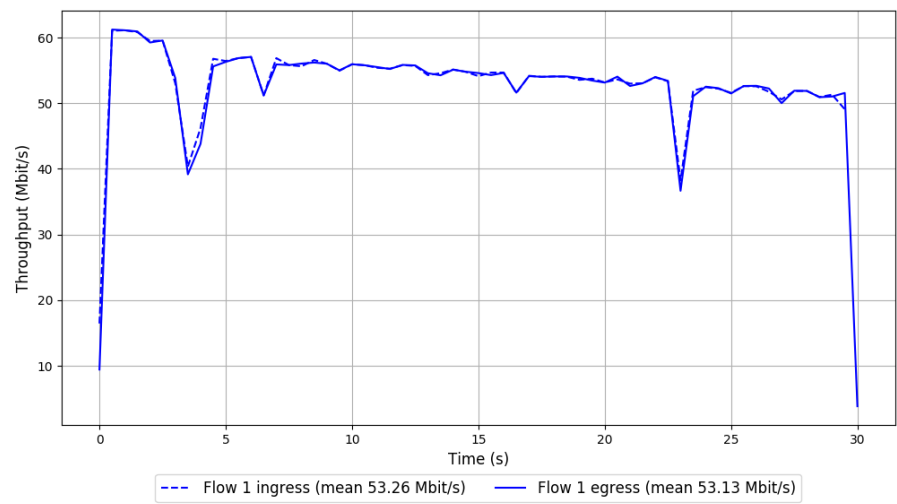
-- Flow 1:

Average throughput: 53.13 Mbit/s

95th percentile per-packet one-way delay: 57.917 ms

Loss rate: 0.25%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Mon, 24 Jul 2017 22:34:06 +0000

End at: Mon, 24 Jul 2017 22:34:36 +0000

Local clock offset: 0.376 ms

Remote clock offset: 3.49 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:20:39 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.41 Mbit/s

95th percentile per-packet one-way delay: 57.486 ms

Loss rate: 0.04%

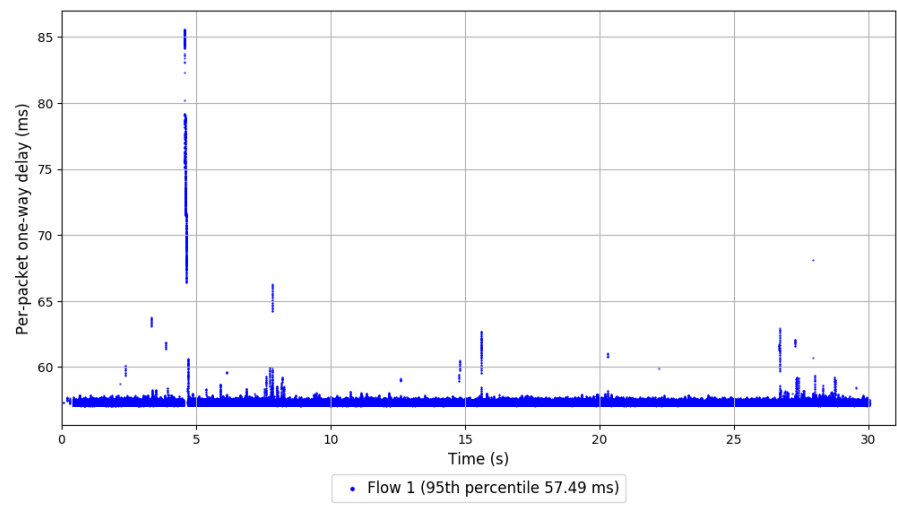
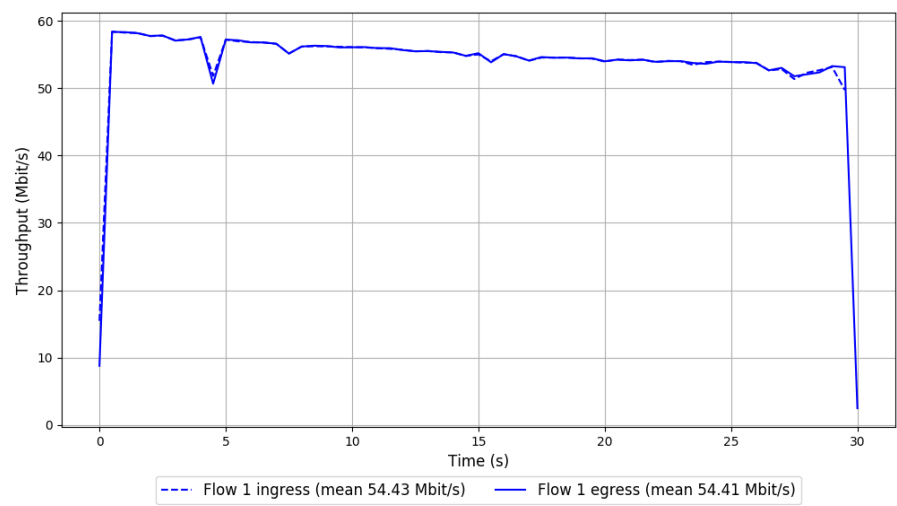
-- Flow 1:

Average throughput: 54.41 Mbit/s

95th percentile per-packet one-way delay: 57.486 ms

Loss rate: 0.04%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Mon, 24 Jul 2017 22:52:02 +0000

End at: Mon, 24 Jul 2017 22:52:32 +0000

Local clock offset: 0.311 ms

Remote clock offset: 3.098 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:20:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.16 Mbit/s

95th percentile per-packet one-way delay: 58.276 ms

Loss rate: 0.11%

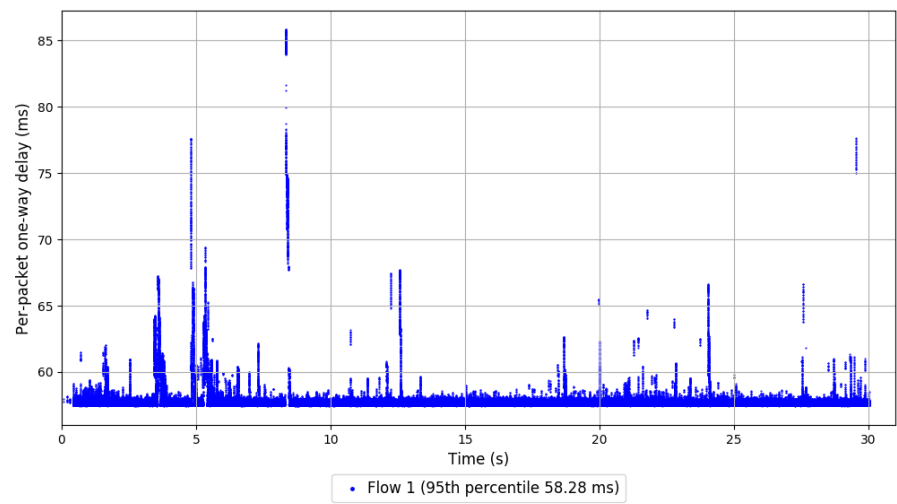
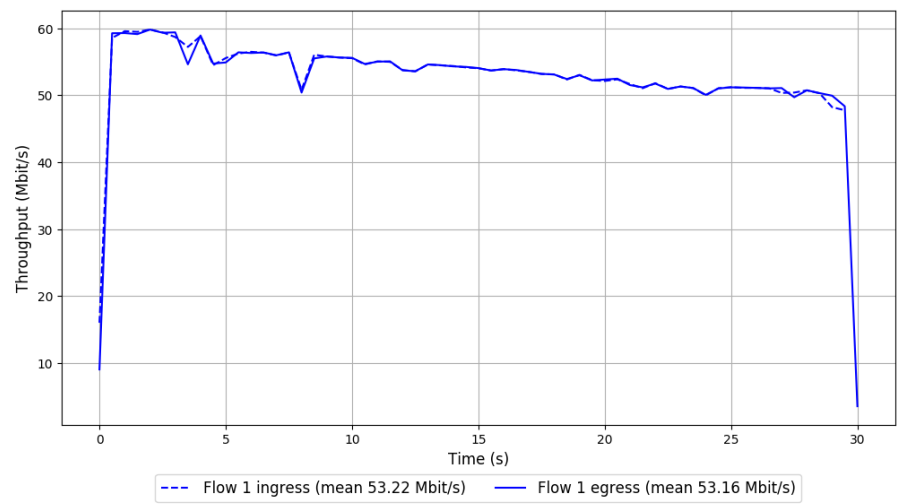
-- Flow 1:

Average throughput: 53.16 Mbit/s

95th percentile per-packet one-way delay: 58.276 ms

Loss rate: 0.11%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 20:15:45 +0000

End at: Mon, 24 Jul 2017 20:16:15 +0000

Local clock offset: 0.541 ms

Remote clock offset: 6.142 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:20:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.00 Mbit/s

95th percentile per-packet one-way delay: 218.620 ms

Loss rate: 0.05%

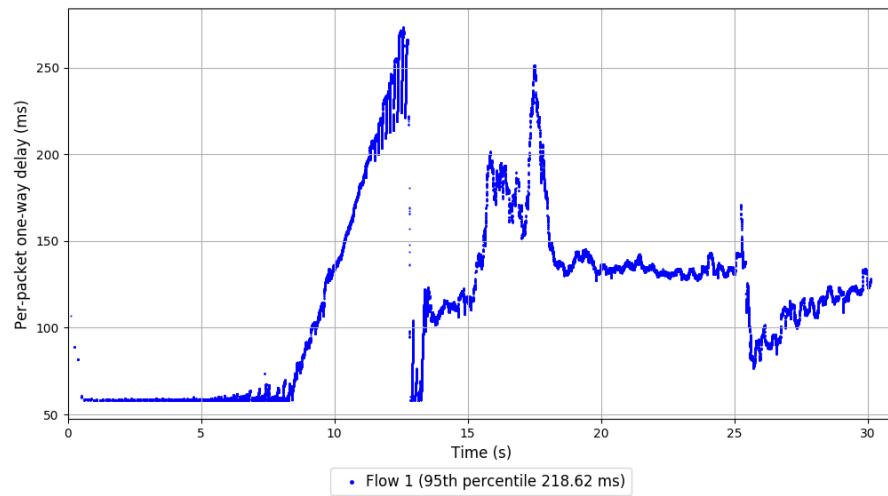
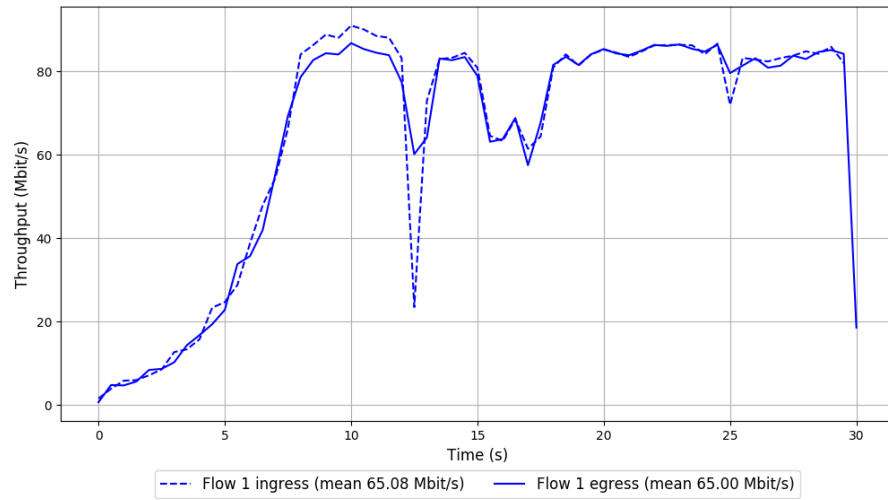
-- Flow 1:

Average throughput: 65.00 Mbit/s

95th percentile per-packet one-way delay: 218.620 ms

Loss rate: 0.05%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 20:33:34 +0000

End at: Mon, 24 Jul 2017 20:34:04 +0000

Local clock offset: 0.536 ms

Remote clock offset: 5.898 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:20:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.87 Mbit/s

95th percentile per-packet one-way delay: 210.592 ms

Loss rate: 0.03%

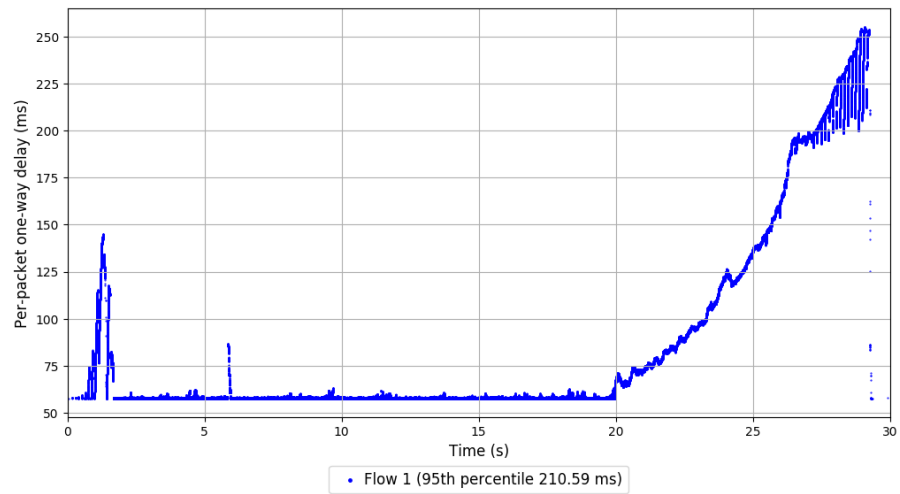
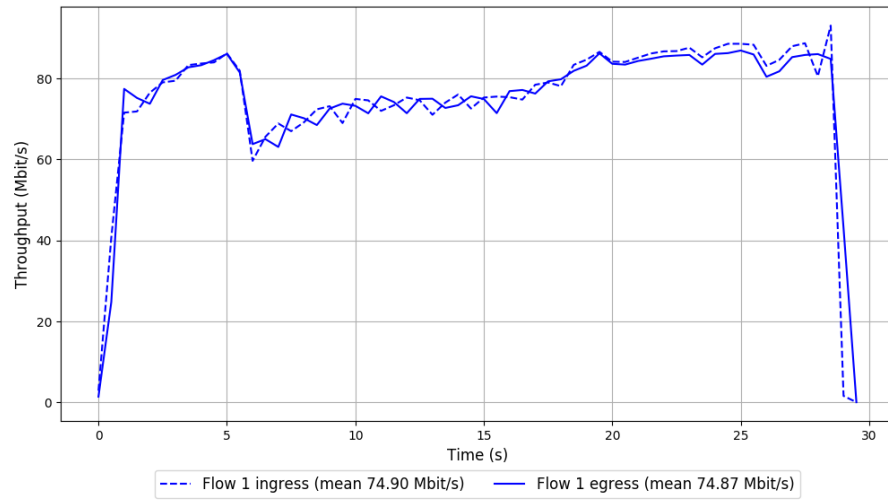
-- Flow 1:

Average throughput: 74.87 Mbit/s

95th percentile per-packet one-way delay: 210.592 ms

Loss rate: 0.03%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 20:51:32 +0000

End at: Mon, 24 Jul 2017 20:52:02 +0000

Local clock offset: 0.476 ms

Remote clock offset: 6.133 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:21:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.29 Mbit/s

95th percentile per-packet one-way delay: 216.850 ms

Loss rate: 0.03%

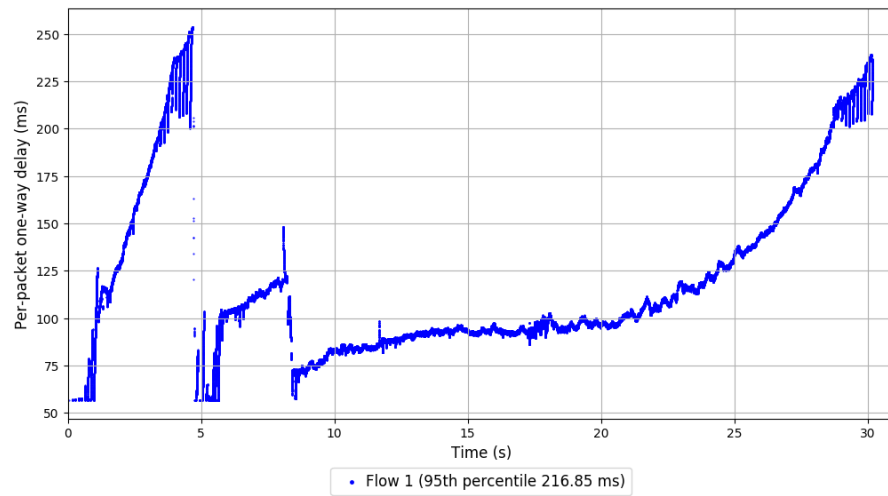
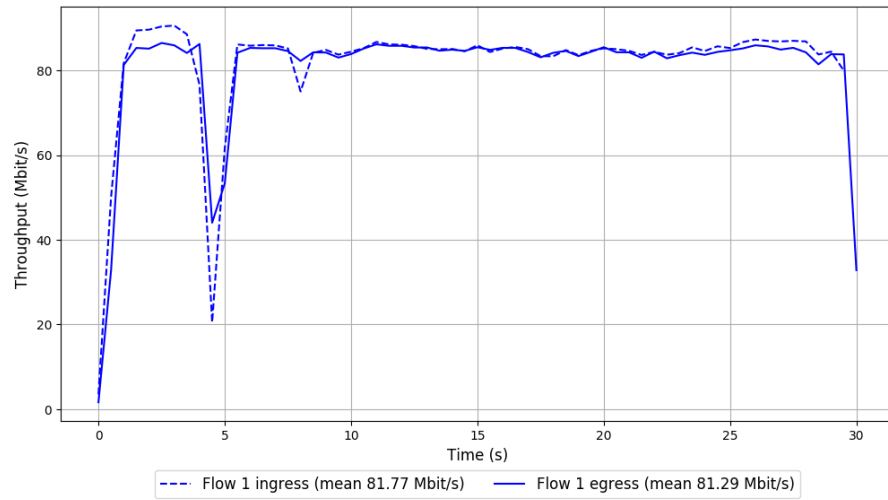
-- Flow 1:

Average throughput: 81.29 Mbit/s

95th percentile per-packet one-way delay: 216.850 ms

Loss rate: 0.03%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 21:09:48 +0000

End at: Mon, 24 Jul 2017 21:10:18 +0000

Local clock offset: 0.442 ms

Remote clock offset: 6.488 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:21:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.37 Mbit/s

95th percentile per-packet one-way delay: 211.796 ms

Loss rate: 0.05%

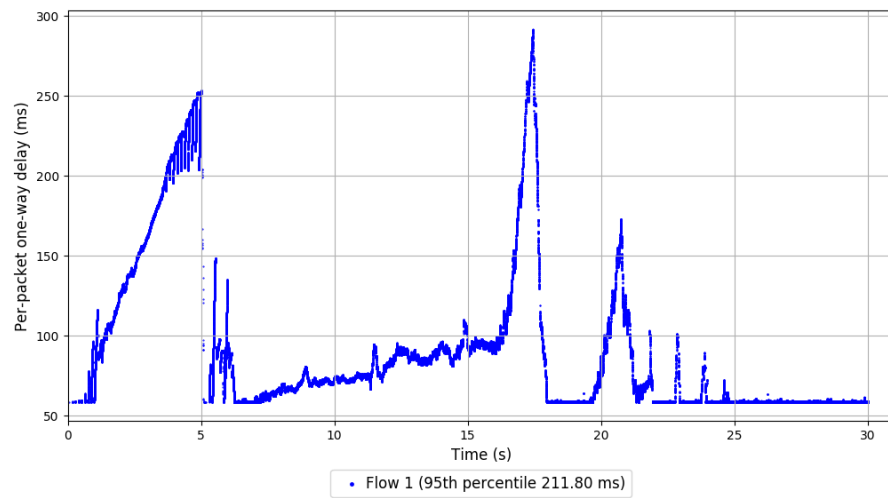
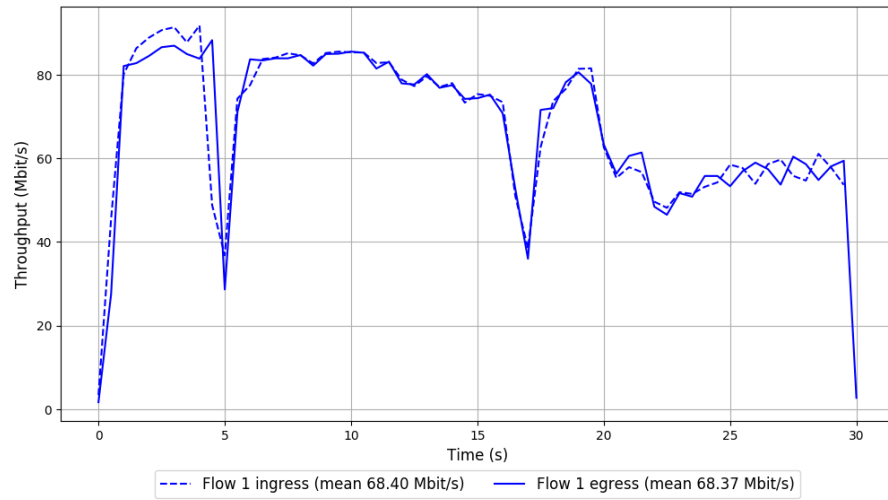
-- Flow 1:

Average throughput: 68.37 Mbit/s

95th percentile per-packet one-way delay: 211.796 ms

Loss rate: 0.05%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 21:27:54 +0000

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

Local clock offset: 0.44 ms

Remote clock offset: 6.648 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:21:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.69 Mbit/s

95th percentile per-packet one-way delay: 188.607 ms

Loss rate: 0.03%

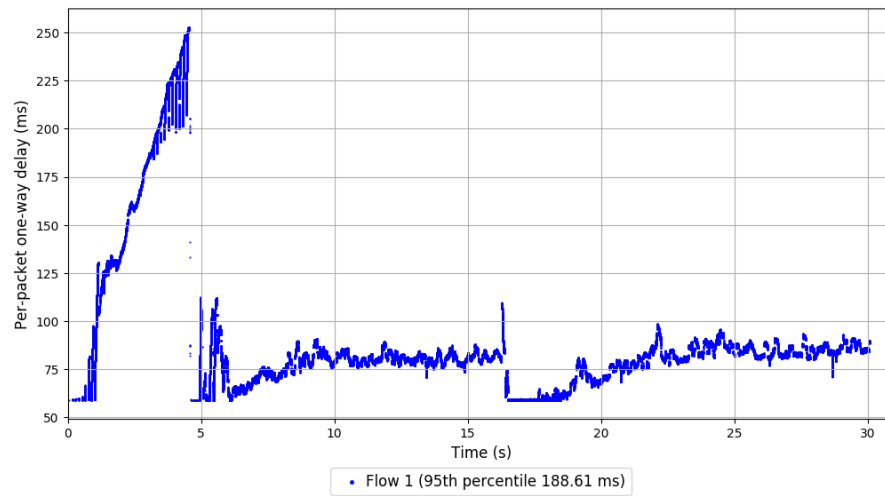
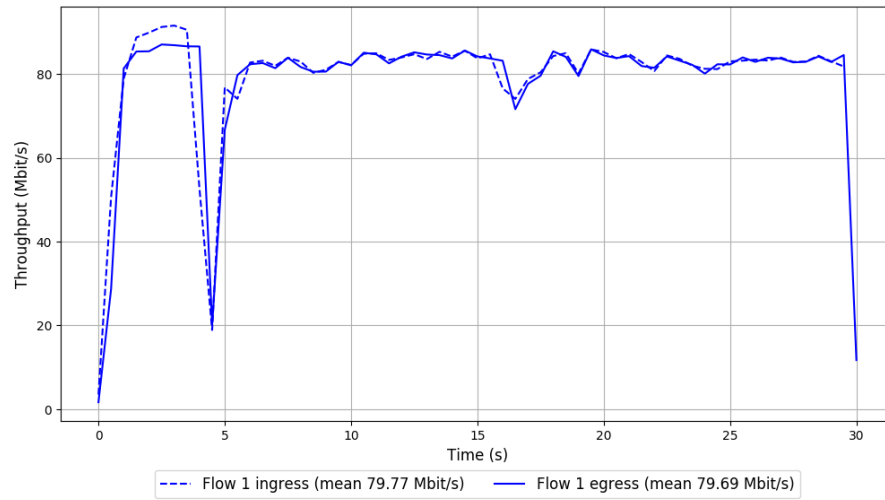
-- Flow 1:

Average throughput: 79.69 Mbit/s

95th percentile per-packet one-way delay: 188.607 ms

Loss rate: 0.03%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 21:45:56 +0000

End at: Mon, 24 Jul 2017 21:46:26 +0000

Local clock offset: 0.391 ms

Remote clock offset: 5.413 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:21:19 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.11 Mbit/s

95th percentile per-packet one-way delay: 218.051 ms

Loss rate: 0.04%

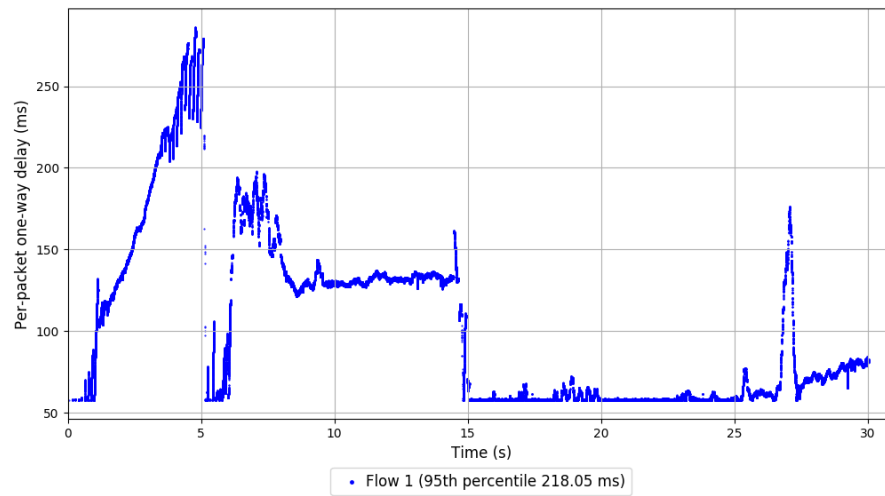
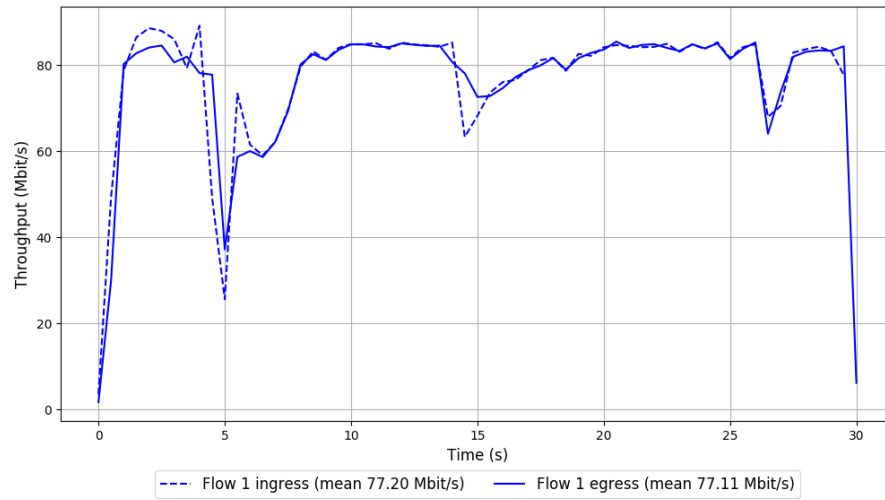
-- Flow 1:

Average throughput: 77.11 Mbit/s

95th percentile per-packet one-way delay: 218.051 ms

Loss rate: 0.04%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 22:04:05 +0000

End at: Mon, 24 Jul 2017 22:04:35 +0000

Local clock offset: 0.443 ms

Remote clock offset: 5.184 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.88 Mbit/s

95th percentile per-packet one-way delay: 229.003 ms

Loss rate: 0.06%

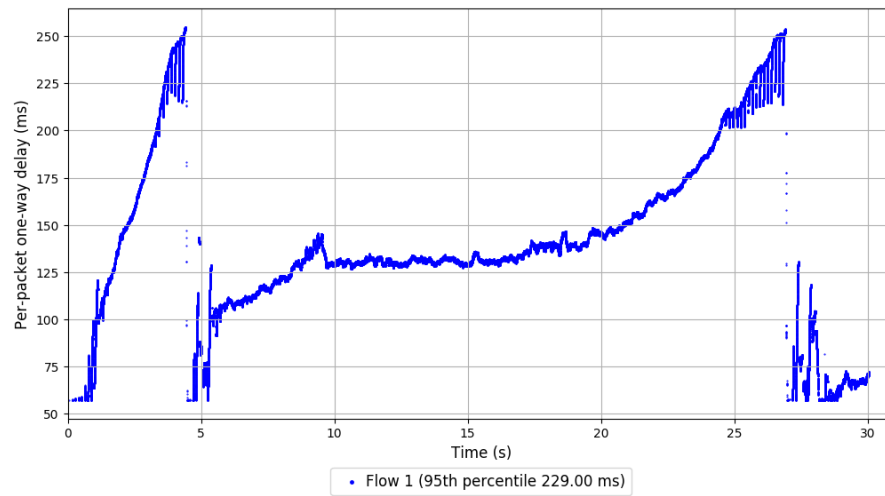
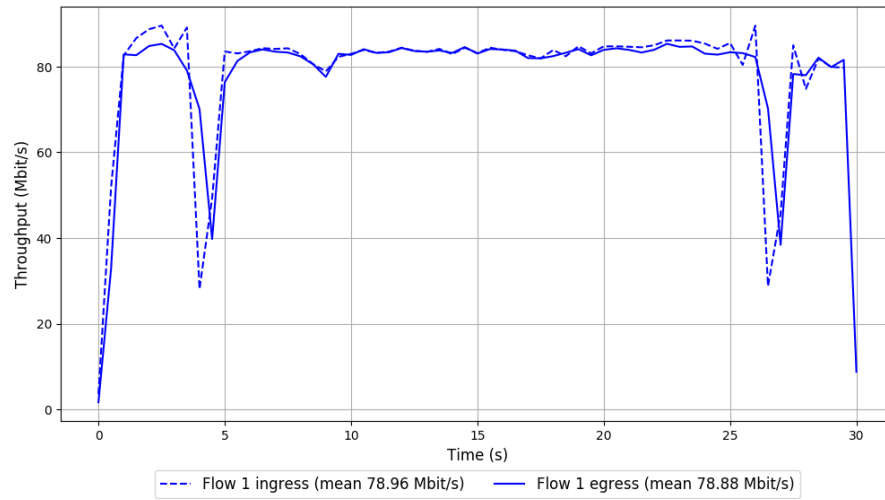
-- Flow 1:

Average throughput: 78.88 Mbit/s

95th percentile per-packet one-way delay: 229.003 ms

Loss rate: 0.06%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

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

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

Local clock offset: 0.378 ms

Remote clock offset: 4.237 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:21:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.60 Mbit/s

95th percentile per-packet one-way delay: 220.532 ms

Loss rate: 0.04%

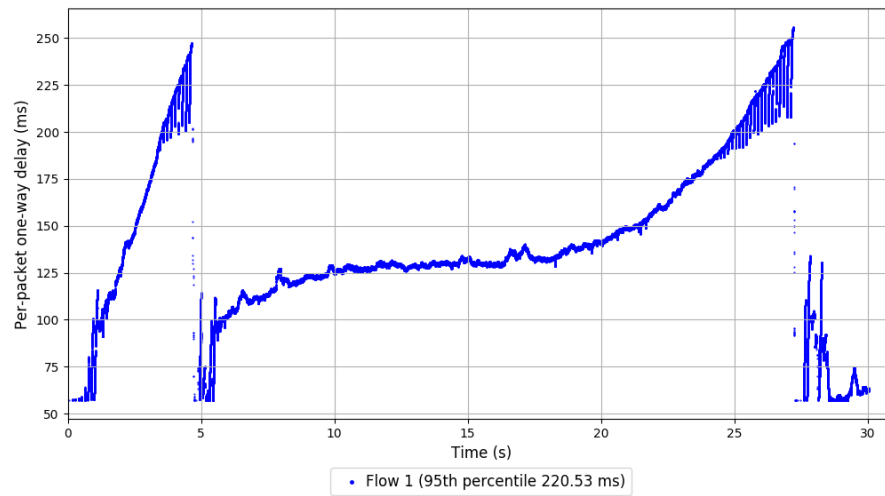
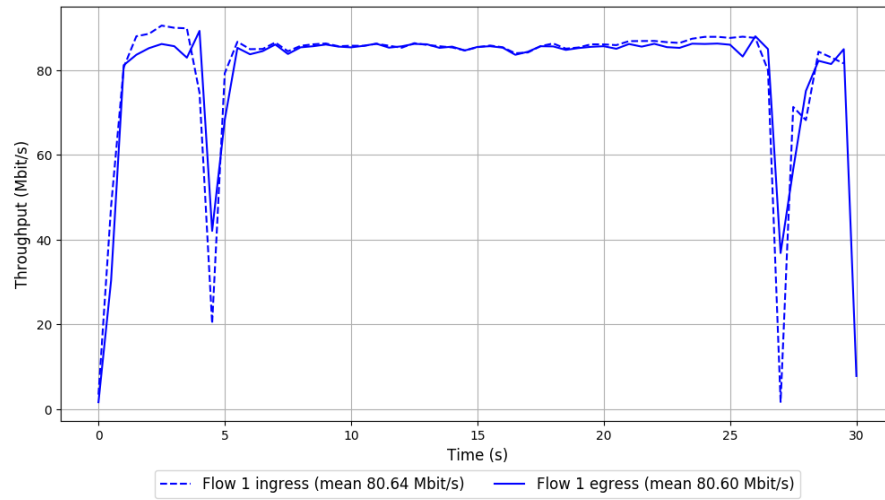
-- Flow 1:

Average throughput: 80.60 Mbit/s

95th percentile per-packet one-way delay: 220.532 ms

Loss rate: 0.04%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 22:40:07 +0000

End at: Mon, 24 Jul 2017 22:40:37 +0000

Local clock offset: 0.327 ms

Remote clock offset: 3.645 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:21:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.28 Mbit/s

95th percentile per-packet one-way delay: 211.220 ms

Loss rate: 0.04%

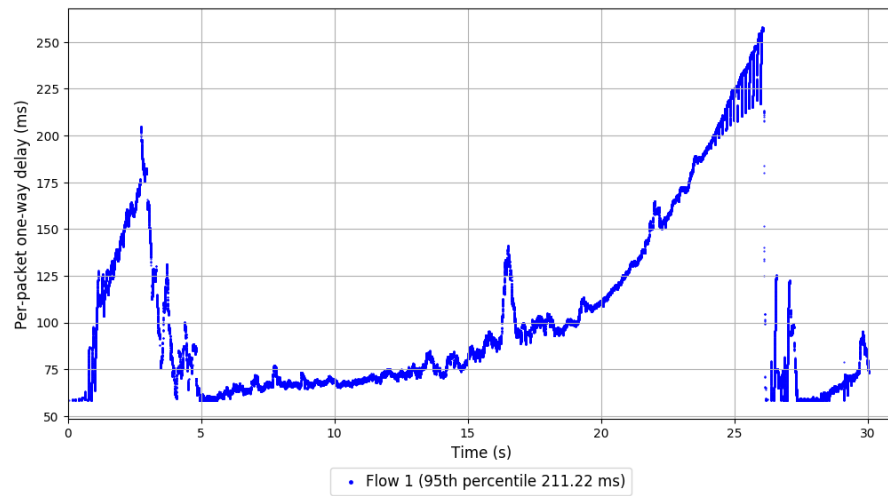
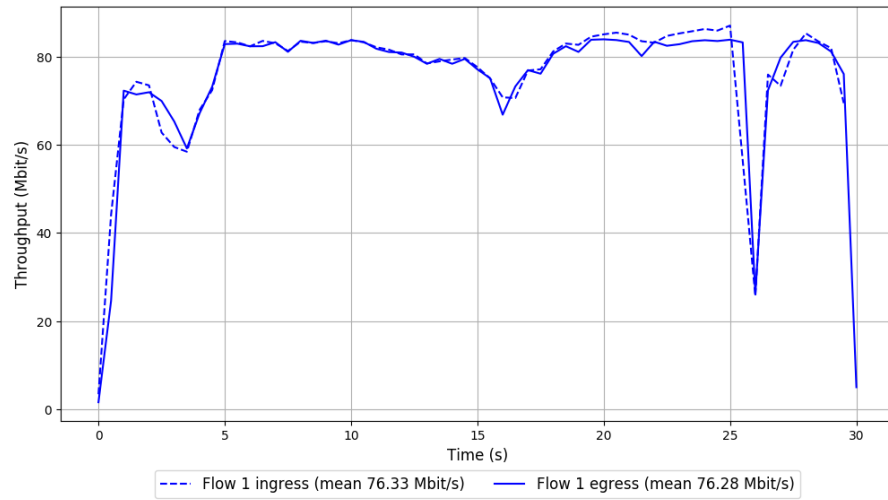
-- Flow 1:

Average throughput: 76.28 Mbit/s

95th percentile per-packet one-way delay: 211.220 ms

Loss rate: 0.04%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 22:58:04 +0000

End at: Mon, 24 Jul 2017 22:58:34 +0000

Local clock offset: 0.471 ms

Remote clock offset: 2.603 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:21:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.33 Mbit/s

95th percentile per-packet one-way delay: 214.831 ms

Loss rate: 0.04%

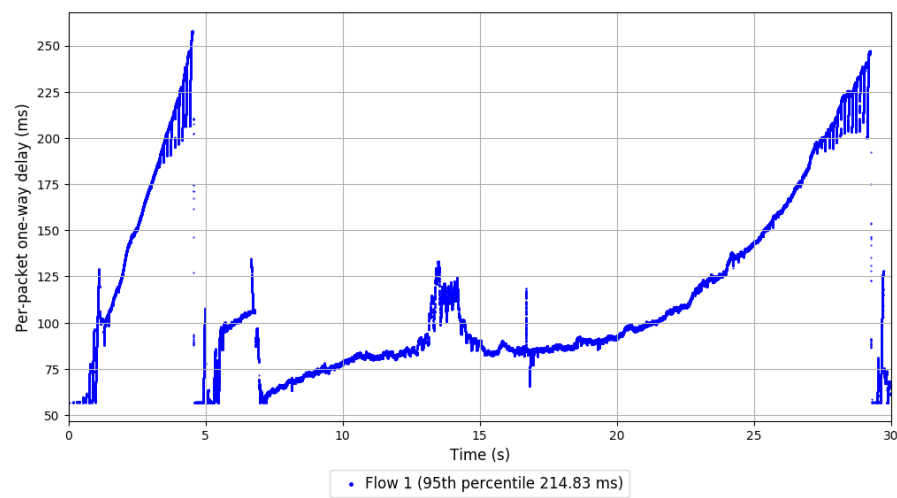
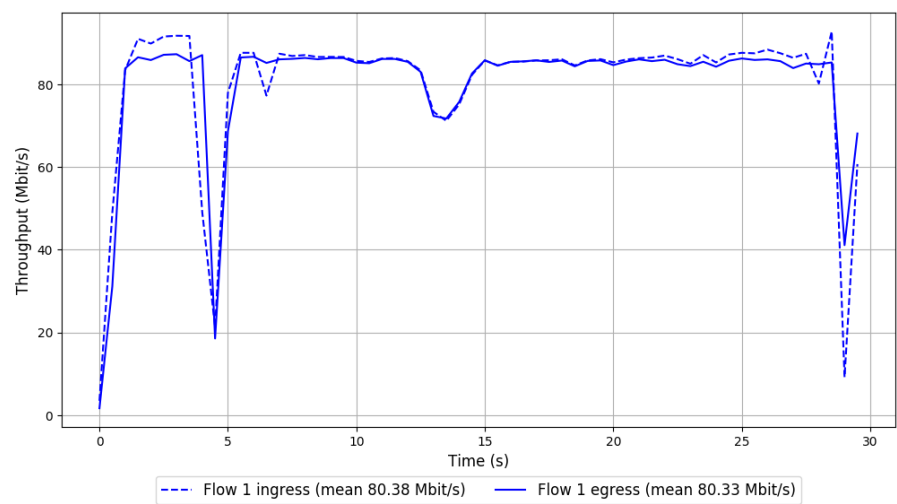
-- Flow 1:

Average throughput: 80.33 Mbit/s

95th percentile per-packet one-way delay: 214.831 ms

Loss rate: 0.04%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

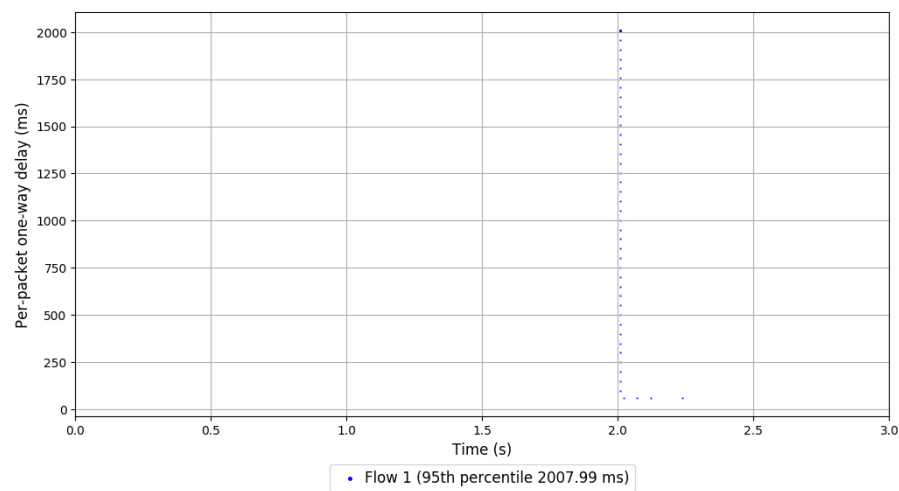
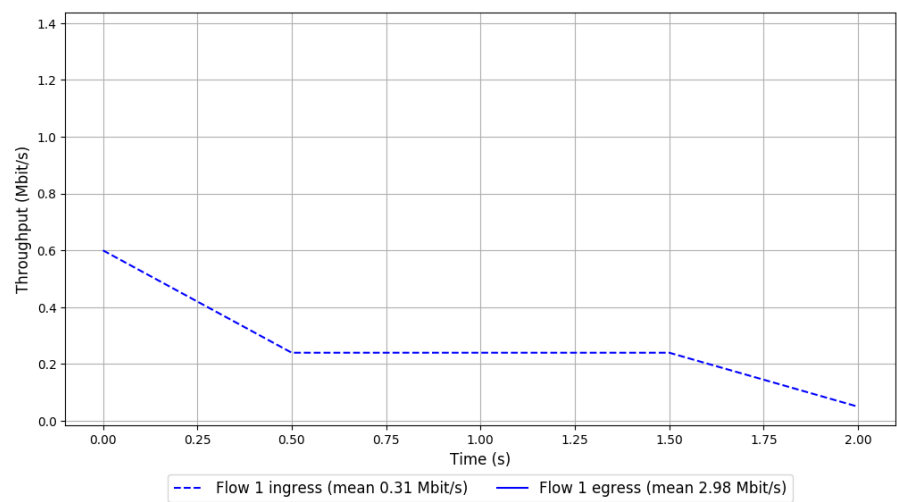
Start at: Mon, 24 Jul 2017 20:10:59 +0000

End at: Mon, 24 Jul 2017 20:11:29 +0000

Local clock offset: 0.45 ms

Remote clock offset: 5.865 ms

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

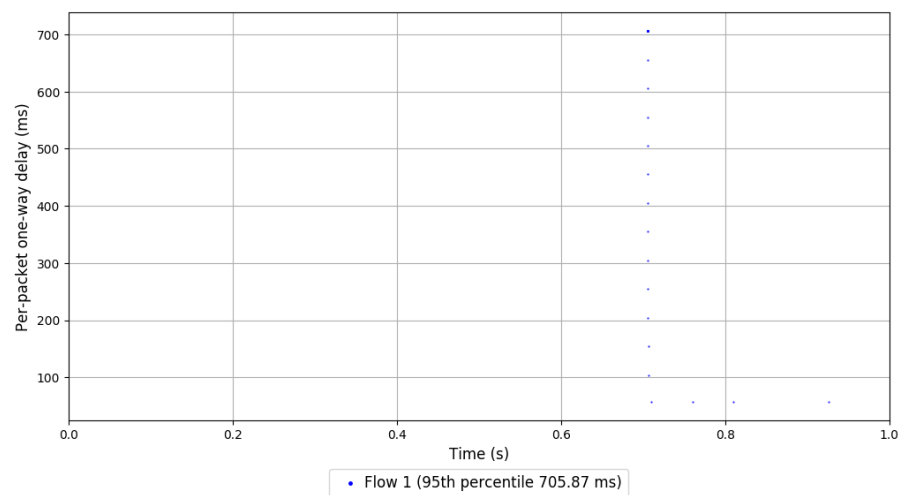
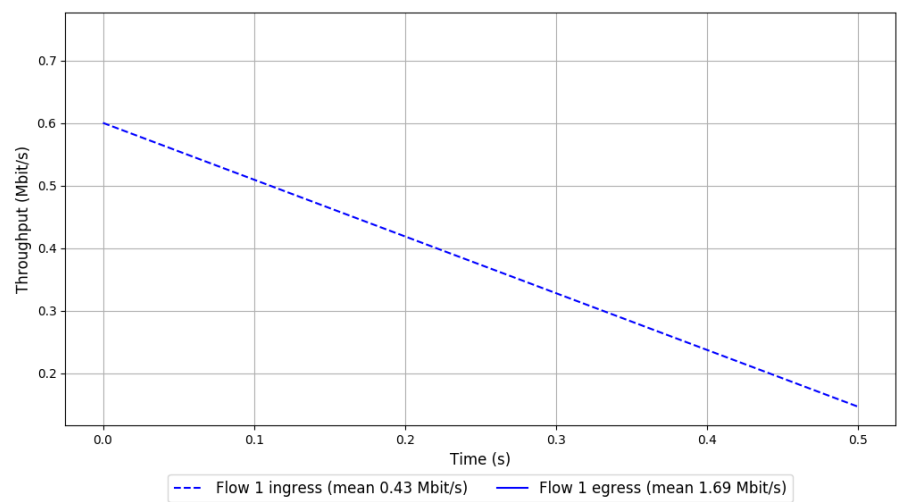
Start at: Mon, 24 Jul 2017 20:28:49 +0000

End at: Mon, 24 Jul 2017 20:29:19 +0000

Local clock offset: 0.527 ms

Remote clock offset: 5.748 ms

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Mon, 24 Jul 2017 20:46:49 +0000

End at: Mon, 24 Jul 2017 20:47:19 +0000

Local clock offset: 0.519 ms

Remote clock offset: 6.13 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:21:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.18 Mbit/s

95th percentile per-packet one-way delay: 58.323 ms

Loss rate: 0.00%

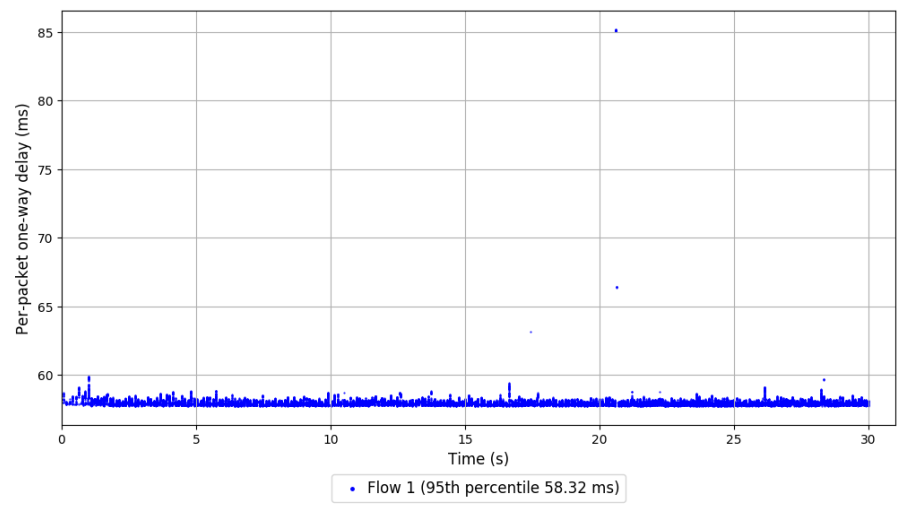
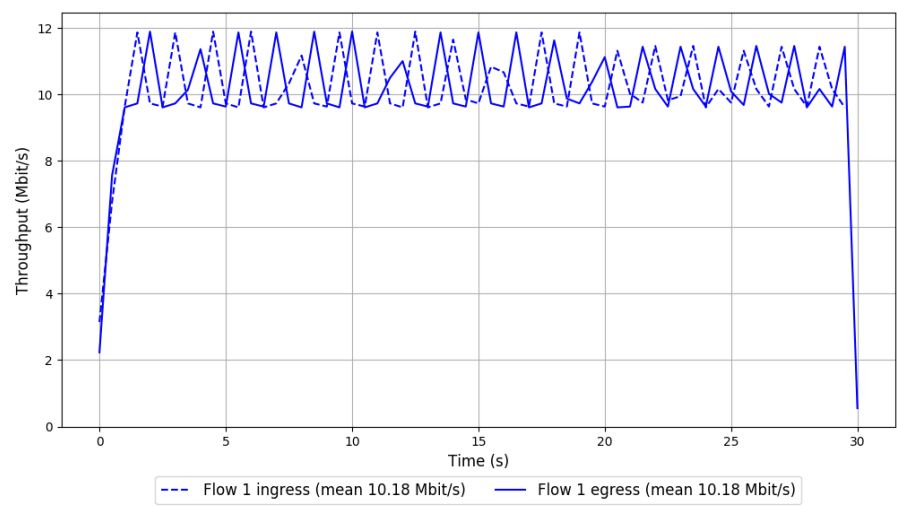
-- Flow 1:

Average throughput: 10.18 Mbit/s

95th percentile per-packet one-way delay: 58.323 ms

Loss rate: 0.00%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Mon, 24 Jul 2017 21:05:01 +0000

End at: Mon, 24 Jul 2017 21:05:31 +0000

Local clock offset: 0.398 ms

Remote clock offset: 6.371 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:21:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.10 Mbit/s

95th percentile per-packet one-way delay: 58.368 ms

Loss rate: 0.00%

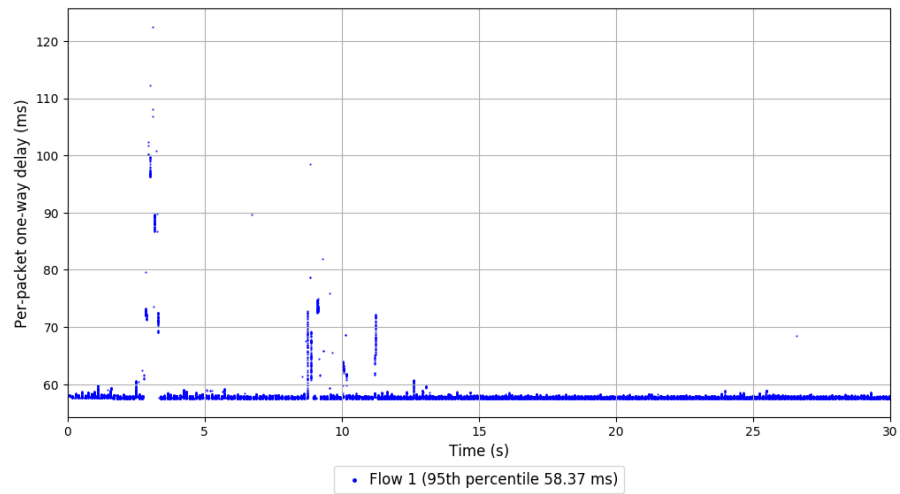
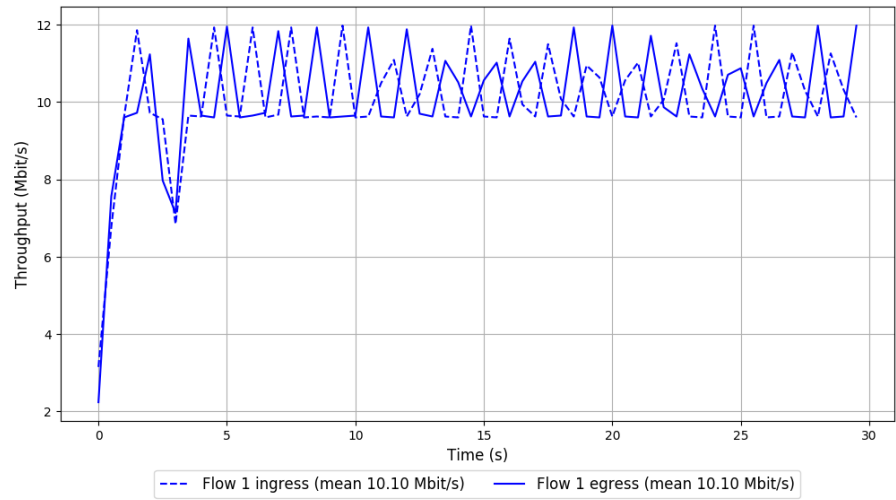
-- Flow 1:

Average throughput: 10.10 Mbit/s

95th percentile per-packet one-way delay: 58.368 ms

Loss rate: 0.00%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Mon, 24 Jul 2017 21:23:06 +0000

End at: Mon, 24 Jul 2017 21:23:36 +0000

Local clock offset: 0.441 ms

Remote clock offset: 6.228 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:21:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.10 Mbit/s

95th percentile per-packet one-way delay: 58.529 ms

Loss rate: 0.00%

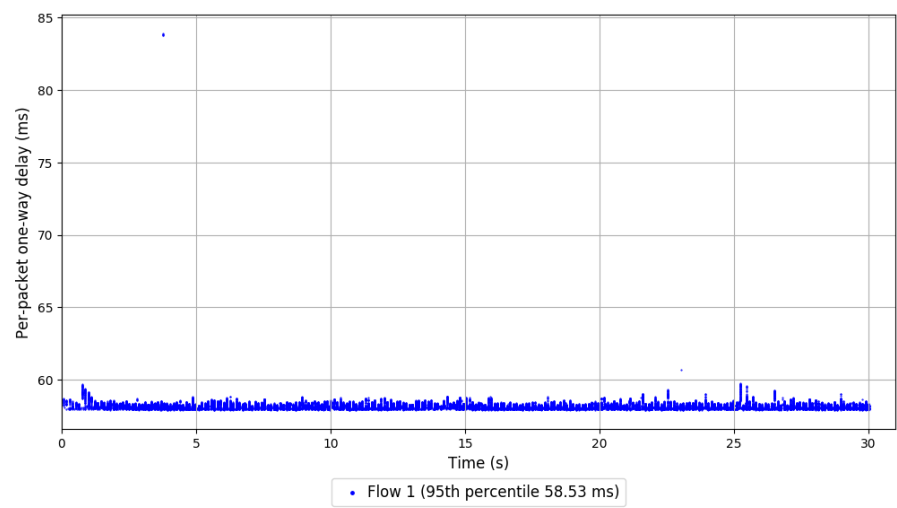
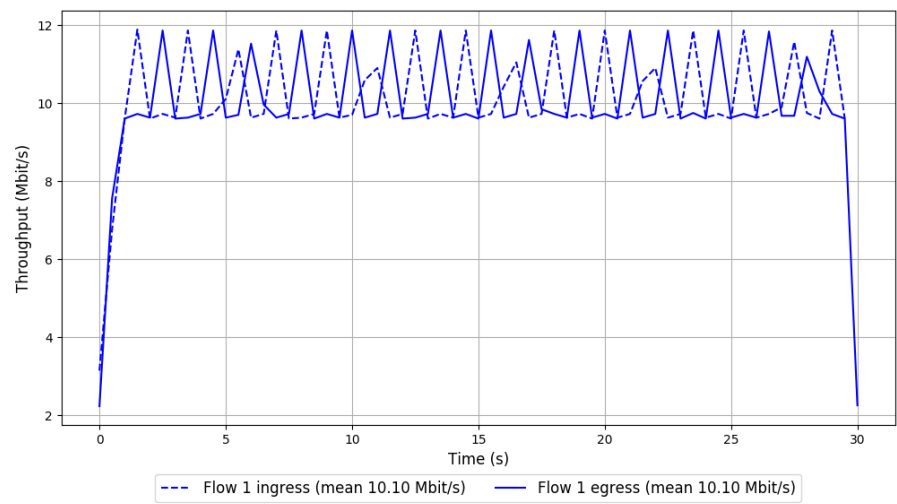
-- Flow 1:

Average throughput: 10.10 Mbit/s

95th percentile per-packet one-way delay: 58.529 ms

Loss rate: 0.00%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Mon, 24 Jul 2017 21:41:07 +0000

End at: Mon, 24 Jul 2017 21:41:37 +0000

Local clock offset: 0.428 ms

Remote clock offset: 5.626 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:21:47 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.08 Mbit/s

95th percentile per-packet one-way delay: 57.387 ms

Loss rate: 0.00%

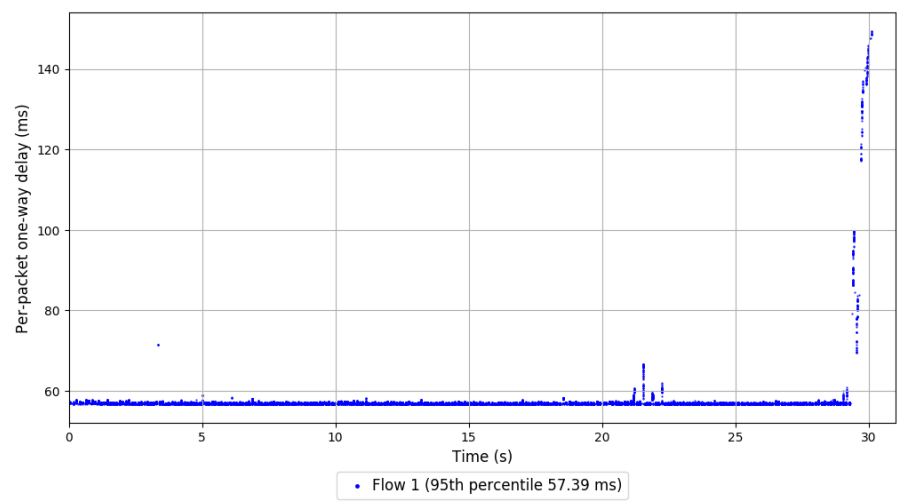
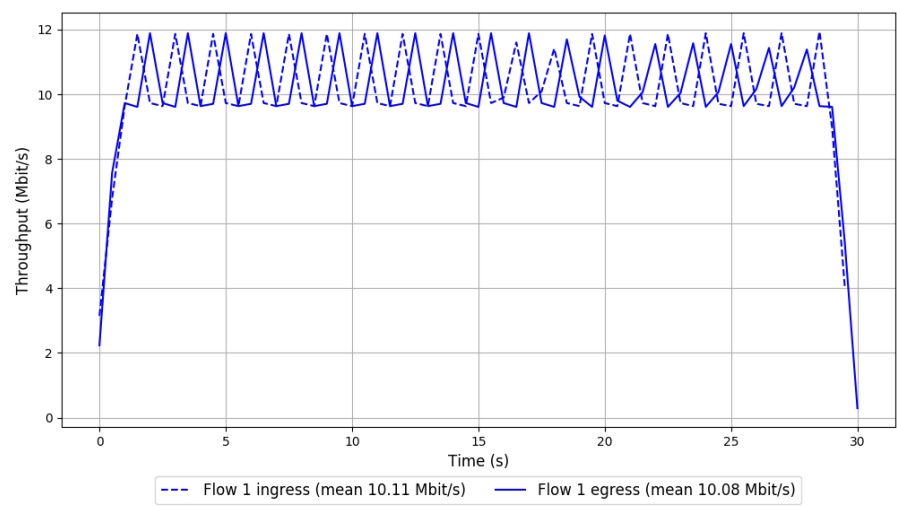
-- Flow 1:

Average throughput: 10.08 Mbit/s

95th percentile per-packet one-way delay: 57.387 ms

Loss rate: 0.00%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Mon, 24 Jul 2017 21:59:18 +0000

End at: Mon, 24 Jul 2017 21:59:48 +0000

Local clock offset: 0.418 ms

Remote clock offset: 5.447 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:21:48 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.07 Mbit/s

95th percentile per-packet one-way delay: 58.788 ms

Loss rate: 0.00%

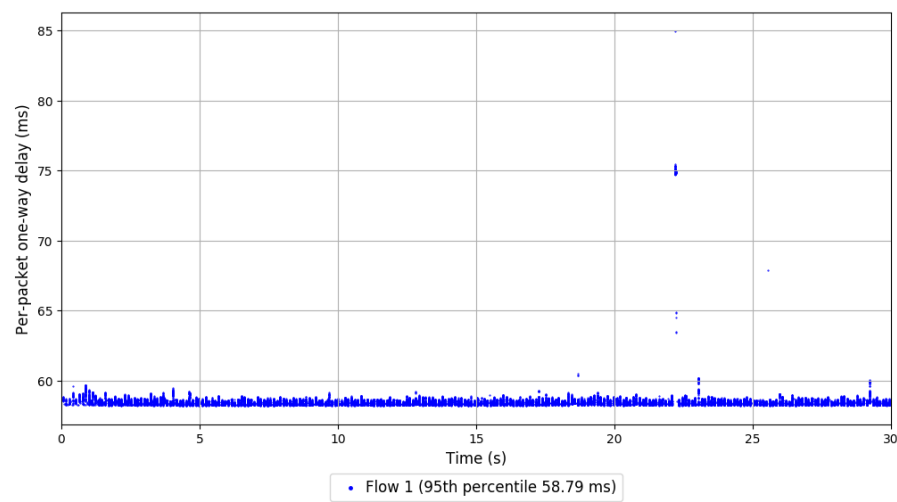
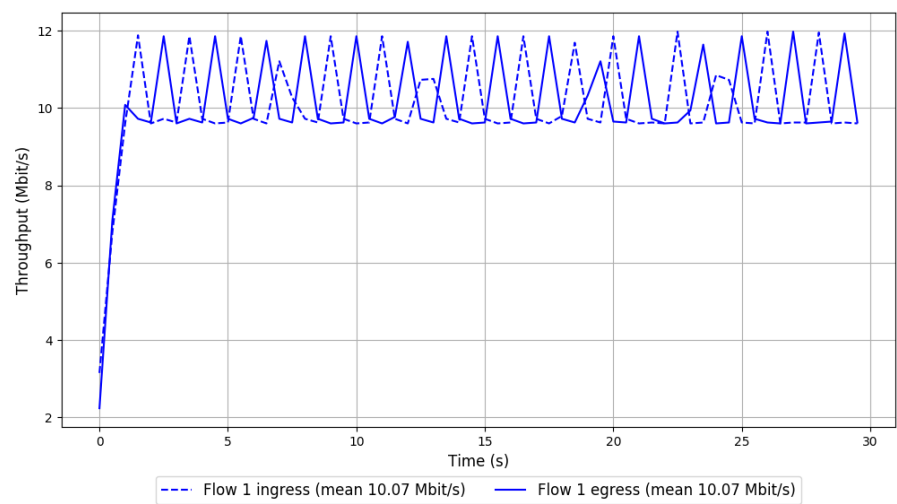
-- Flow 1:

Average throughput: 10.07 Mbit/s

95th percentile per-packet one-way delay: 58.788 ms

Loss rate: 0.00%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

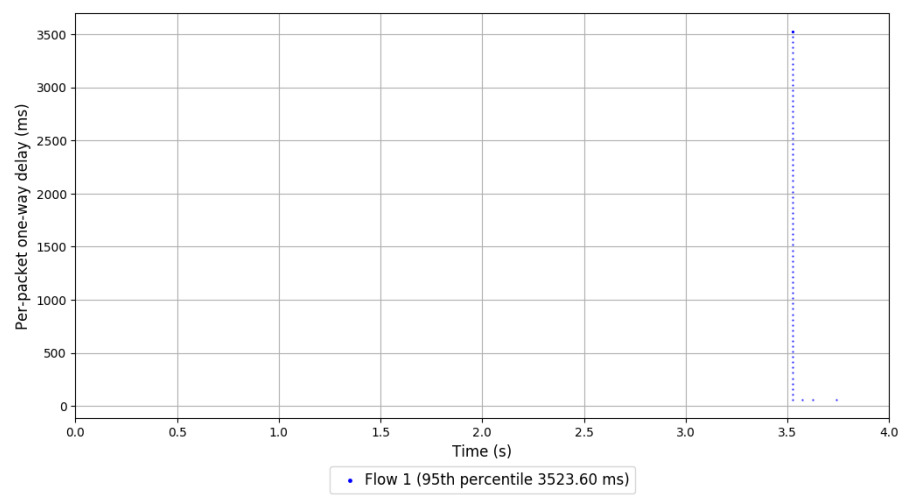
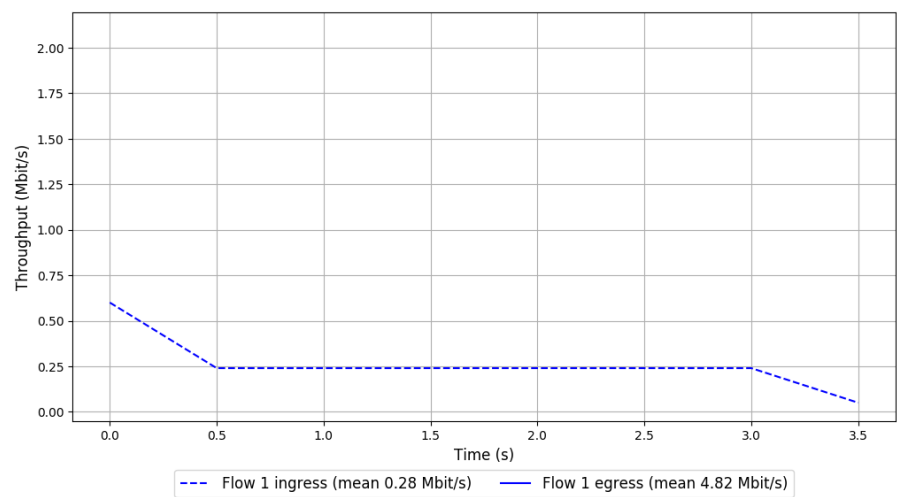
Start at: Mon, 24 Jul 2017 22:17:19 +0000

End at: Mon, 24 Jul 2017 22:17:49 +0000

Local clock offset: 0.395 ms

Remote clock offset: 4.667 ms

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Mon, 24 Jul 2017 22:35:21 +0000

End at: Mon, 24 Jul 2017 22:35:51 +0000

Local clock offset: 0.303 ms

Remote clock offset: 3.589 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:21:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.19 Mbit/s

95th percentile per-packet one-way delay: 57.979 ms

Loss rate: 0.00%

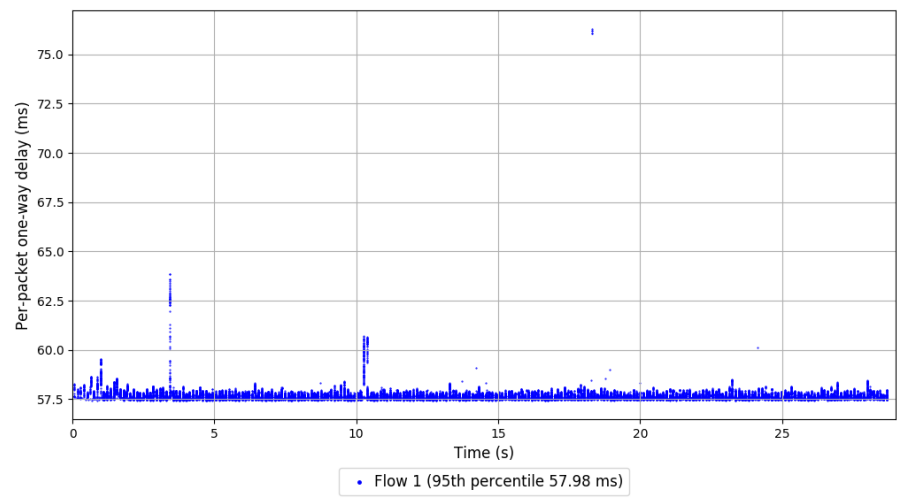
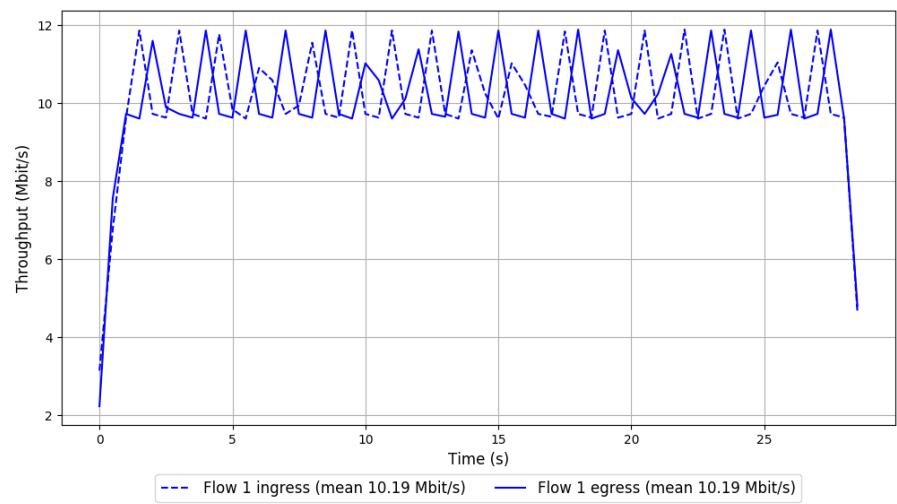
-- Flow 1:

Average throughput: 10.19 Mbit/s

95th percentile per-packet one-way delay: 57.979 ms

Loss rate: 0.00%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

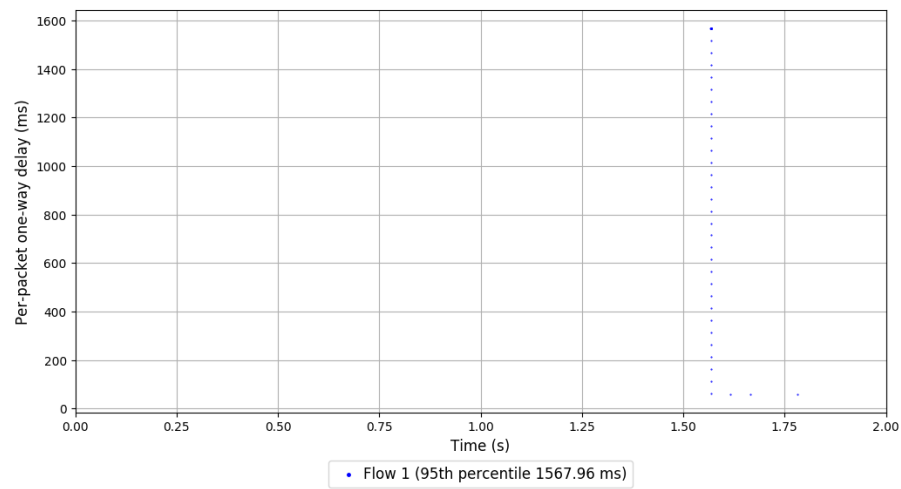
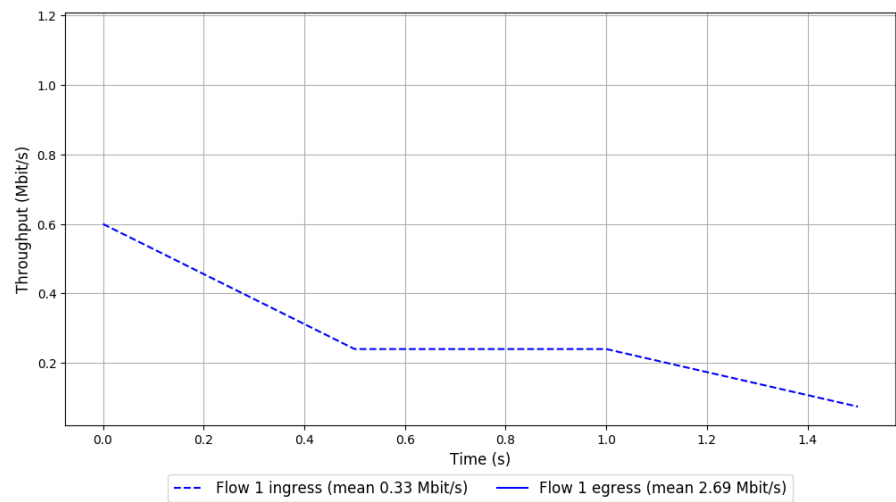
Start at: Mon, 24 Jul 2017 22:53:17 +0000

End at: Mon, 24 Jul 2017 22:53:47 +0000

Local clock offset: 0.392 ms

Remote clock offset: 2.946 ms

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Mon, 24 Jul 2017 20:01:25 +0000

End at: Mon, 24 Jul 2017 20:01:55 +0000

Local clock offset: 0.534 ms

Remote clock offset: 5.87 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:21:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.96 Mbit/s

95th percentile per-packet one-way delay: 60.010 ms

Loss rate: 0.01%

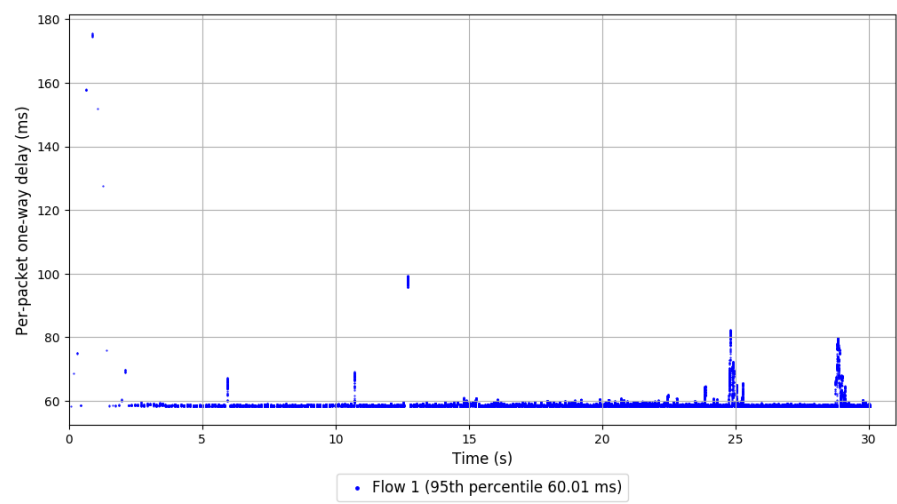
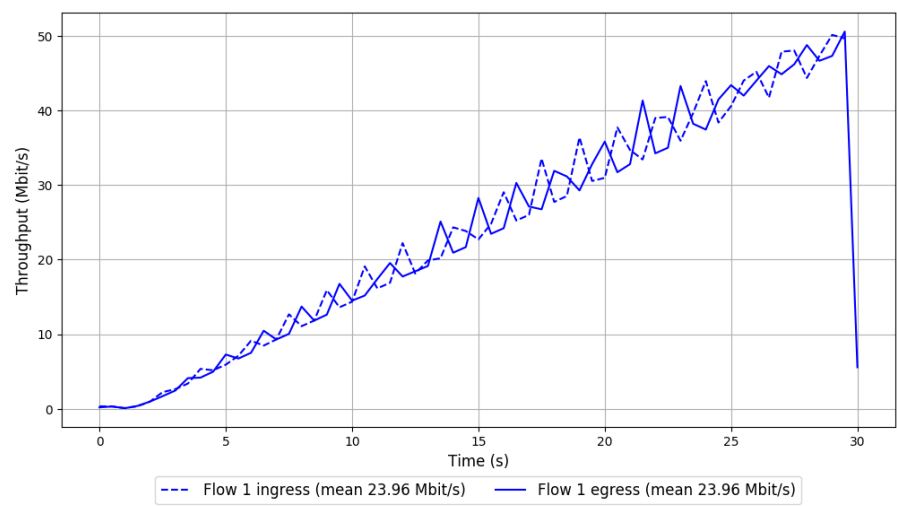
-- Flow 1:

Average throughput: 23.96 Mbit/s

95th percentile per-packet one-way delay: 60.010 ms

Loss rate: 0.01%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Mon, 24 Jul 2017 20:19:14 +0000

End at: Mon, 24 Jul 2017 20:19:44 +0000

Local clock offset: 0.465 ms

Remote clock offset: 5.933 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:21:55 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.27 Mbit/s

95th percentile per-packet one-way delay: 59.213 ms

Loss rate: 0.00%

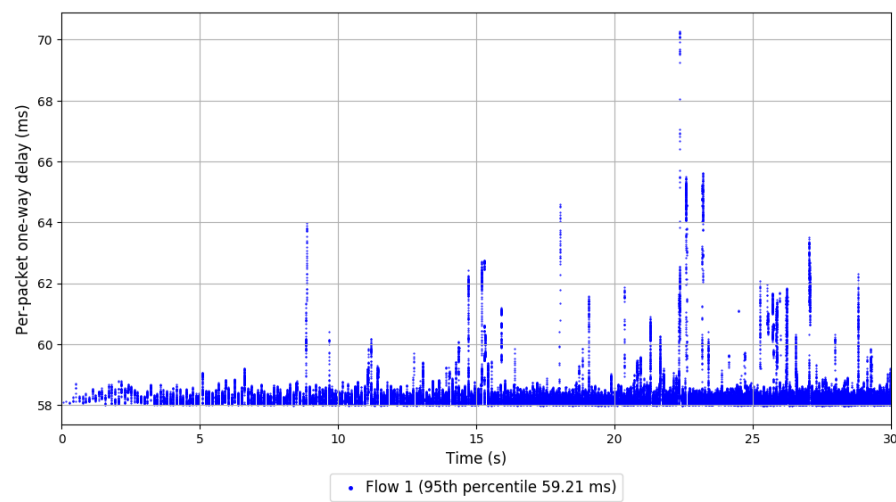
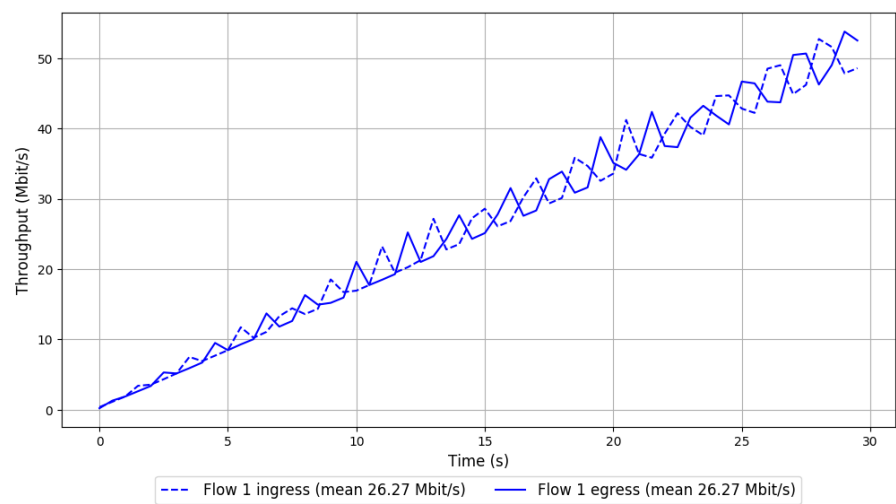
-- Flow 1:

Average throughput: 26.27 Mbit/s

95th percentile per-packet one-way delay: 59.213 ms

Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Mon, 24 Jul 2017 20:37:13 +0000

End at: Mon, 24 Jul 2017 20:37:43 +0000

Local clock offset: 0.521 ms

Remote clock offset: 6.033 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:21:57 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.83 Mbit/s

95th percentile per-packet one-way delay: 59.355 ms

Loss rate: 0.05%

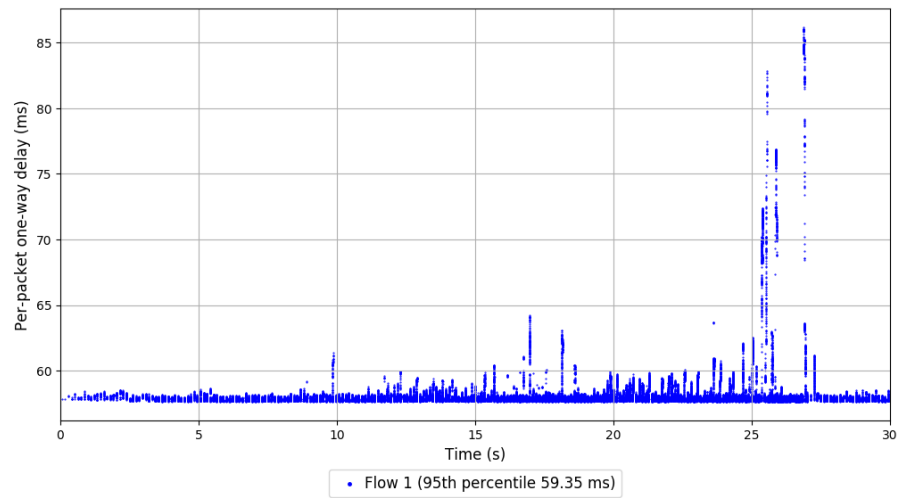
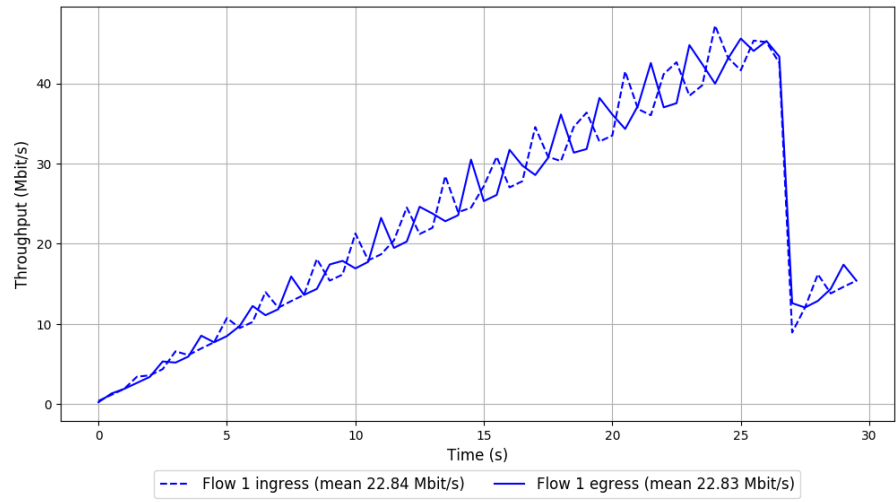
-- Flow 1:

Average throughput: 22.83 Mbit/s

95th percentile per-packet one-way delay: 59.355 ms

Loss rate: 0.05%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Mon, 24 Jul 2017 20:55:18 +0000

End at: Mon, 24 Jul 2017 20:55:48 +0000

Local clock offset: 0.466 ms

Remote clock offset: 6.157 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:21:59 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.91 Mbit/s

95th percentile per-packet one-way delay: 57.659 ms

Loss rate: 0.00%

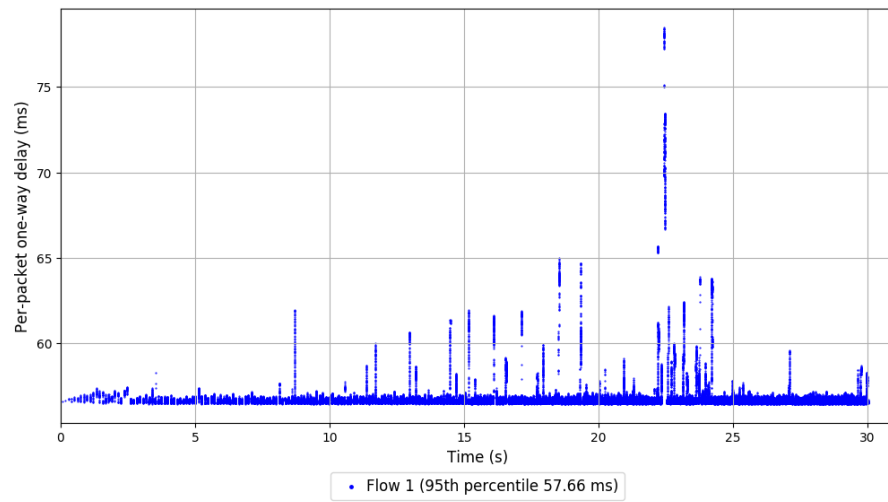
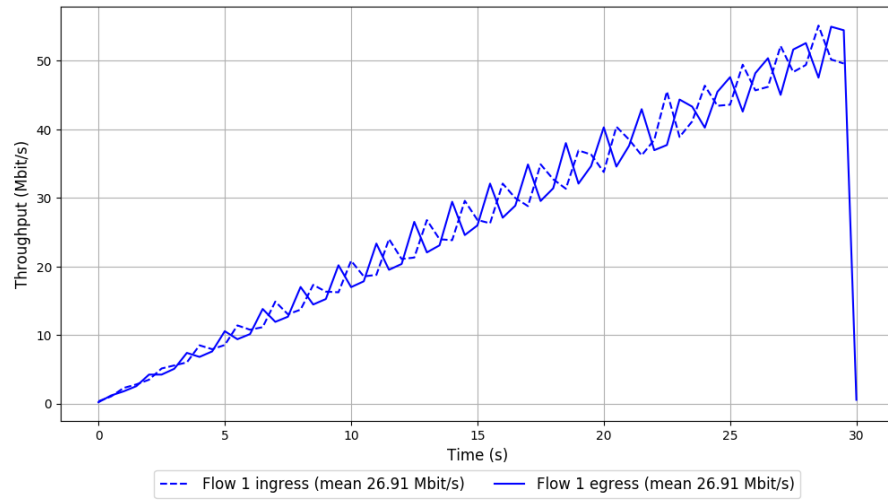
-- Flow 1:

Average throughput: 26.91 Mbit/s

95th percentile per-packet one-way delay: 57.659 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Mon, 24 Jul 2017 21:13:27 +0000

End at: Mon, 24 Jul 2017 21:13:57 +0000

Local clock offset: 0.446 ms

Remote clock offset: 6.505 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.57 Mbit/s

95th percentile per-packet one-way delay: 60.709 ms

Loss rate: 0.00%

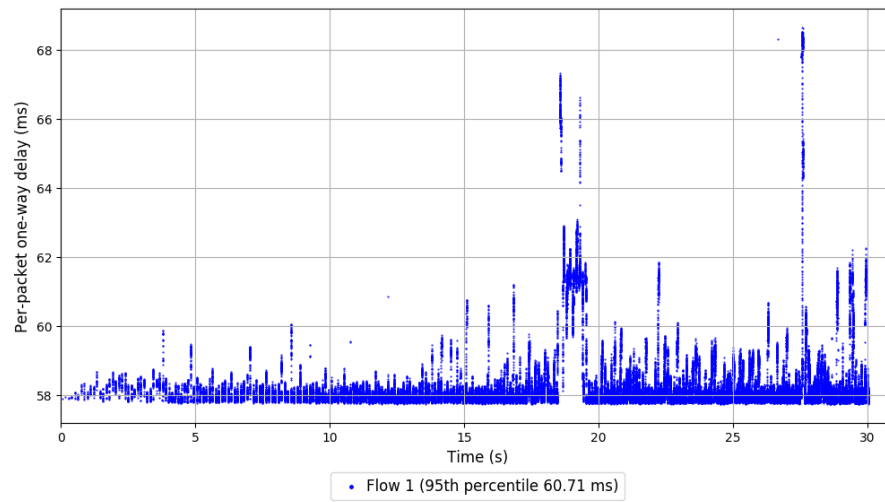
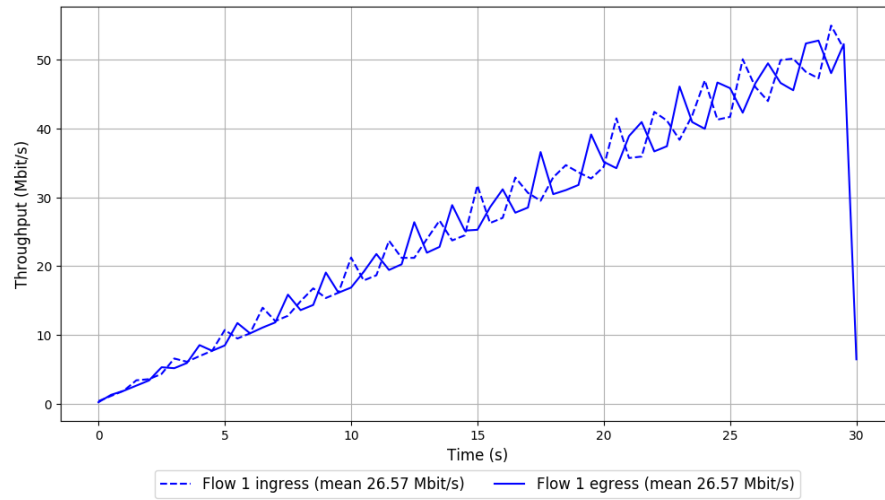
-- Flow 1:

Average throughput: 26.57 Mbit/s

95th percentile per-packet one-way delay: 60.709 ms

Loss rate: 0.00%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

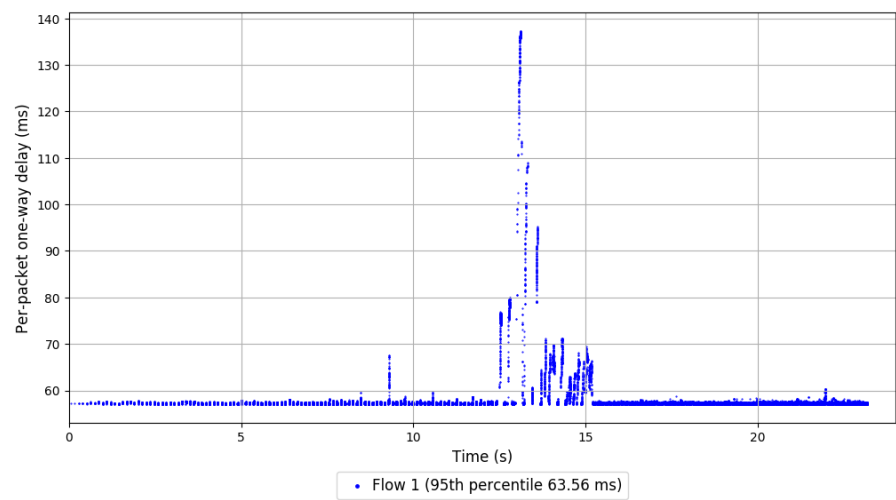
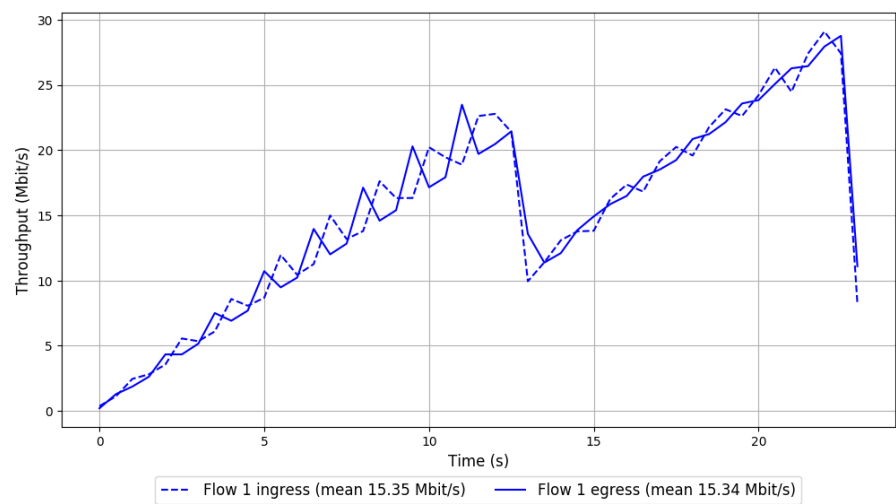
Start at: Mon, 24 Jul 2017 21:31:34 +0000

End at: Mon, 24 Jul 2017 21:32:04 +0000

Local clock offset: 0.426 ms

Remote clock offset: 6.381 ms

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Mon, 24 Jul 2017 21:49:35 +0000

End at: Mon, 24 Jul 2017 21:50:05 +0000

Local clock offset: 0.325 ms

Remote clock offset: 5.61 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:22:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.17 Mbit/s

95th percentile per-packet one-way delay: 61.461 ms

Loss rate: 0.16%

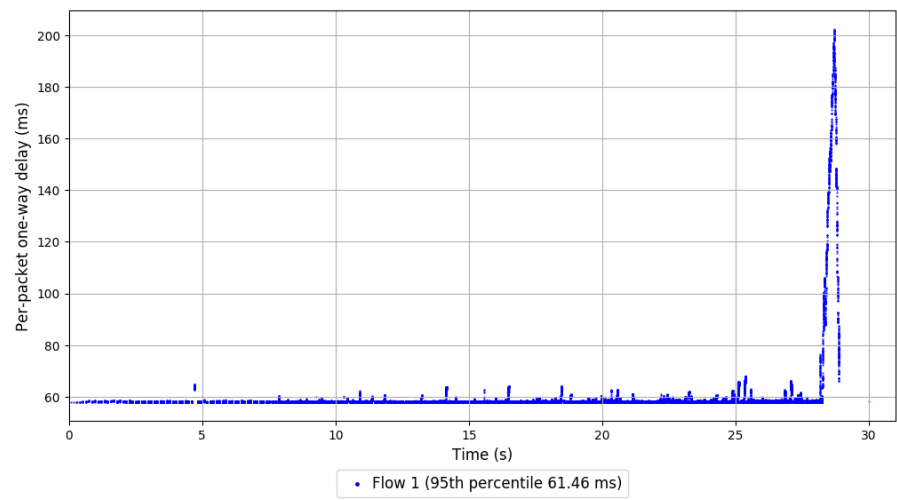
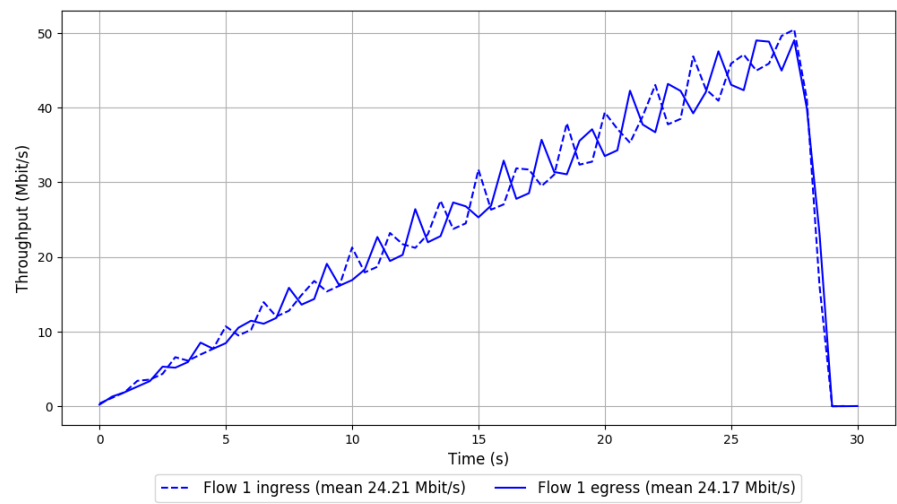
-- Flow 1:

Average throughput: 24.17 Mbit/s

95th percentile per-packet one-way delay: 61.461 ms

Loss rate: 0.16%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

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

End at: Mon, 24 Jul 2017 22:08:16 +0000

Local clock offset: 0.325 ms

Remote clock offset: 4.608 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:22:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.57 Mbit/s

95th percentile per-packet one-way delay: 58.159 ms

Loss rate: 0.16%

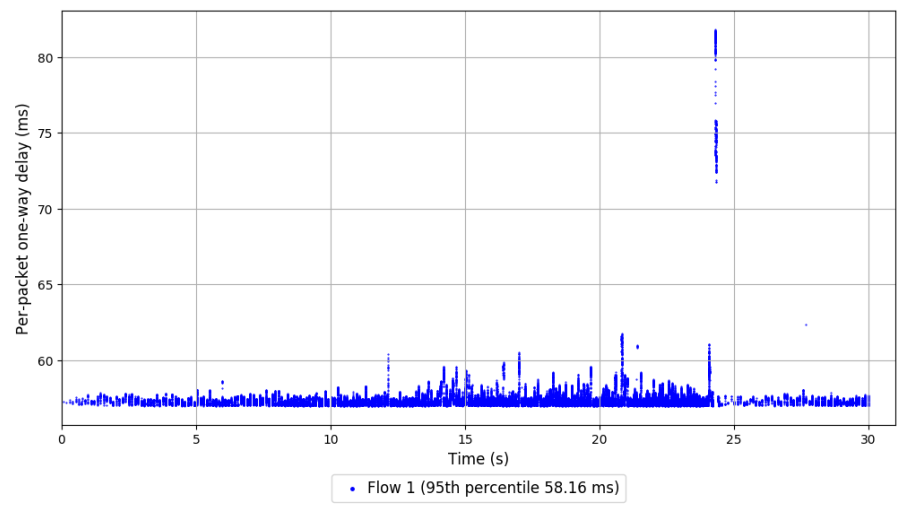
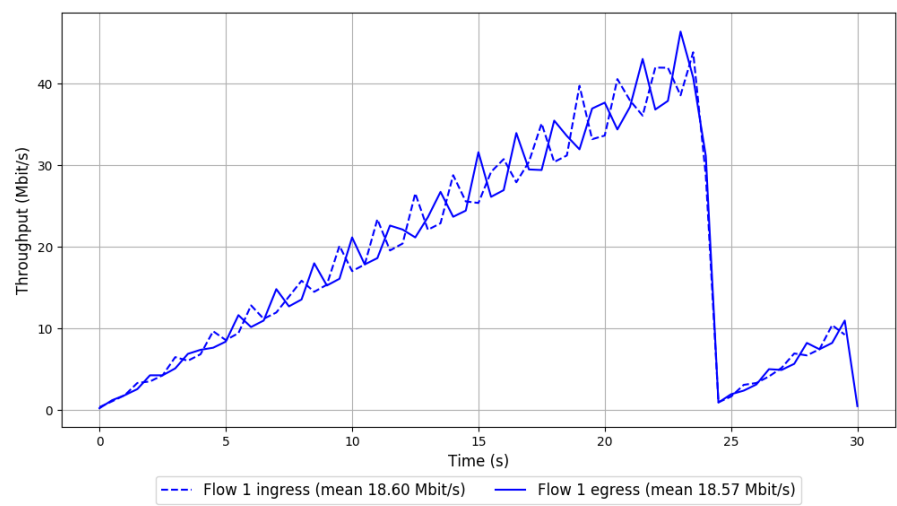
-- Flow 1:

Average throughput: 18.57 Mbit/s

95th percentile per-packet one-way delay: 58.159 ms

Loss rate: 0.16%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Mon, 24 Jul 2017 22:25:45 +0000

End at: Mon, 24 Jul 2017 22:26:15 +0000

Local clock offset: 0.387 ms

Remote clock offset: 3.784 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:22:10 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 26.84 Mbit/s

95th percentile per-packet one-way delay: 57.810 ms

Loss rate: 0.00%

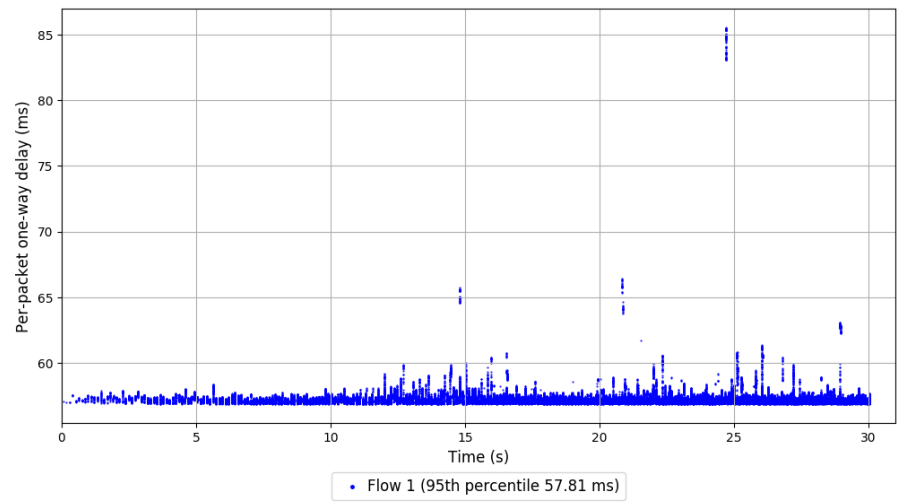
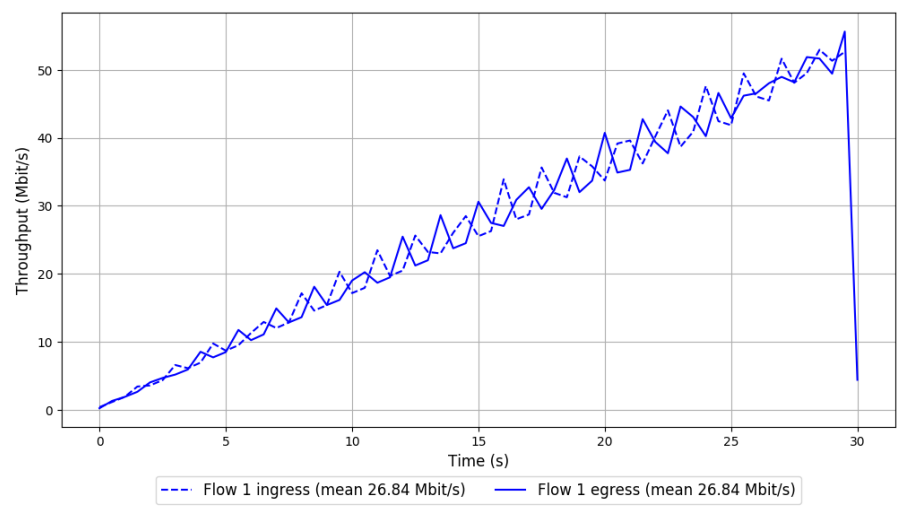
-- Flow 1:

Average throughput: 26.84 Mbit/s

95th percentile per-packet one-way delay: 57.810 ms

Loss rate: 0.00%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

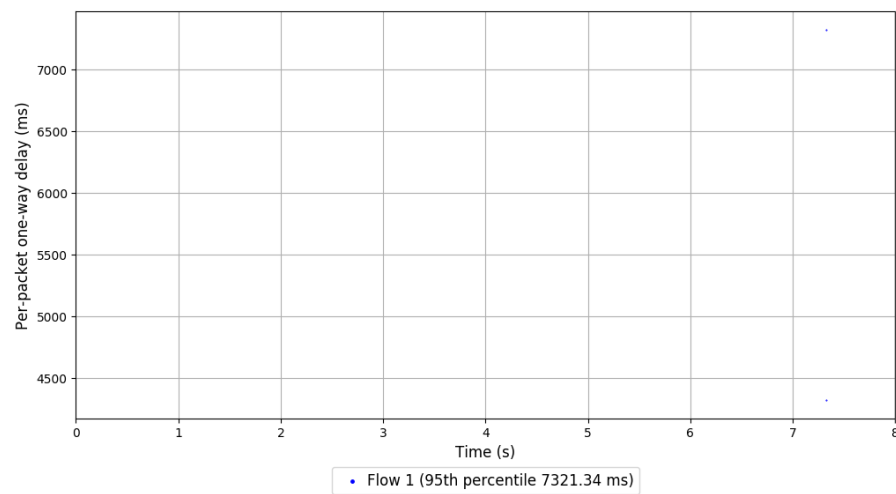
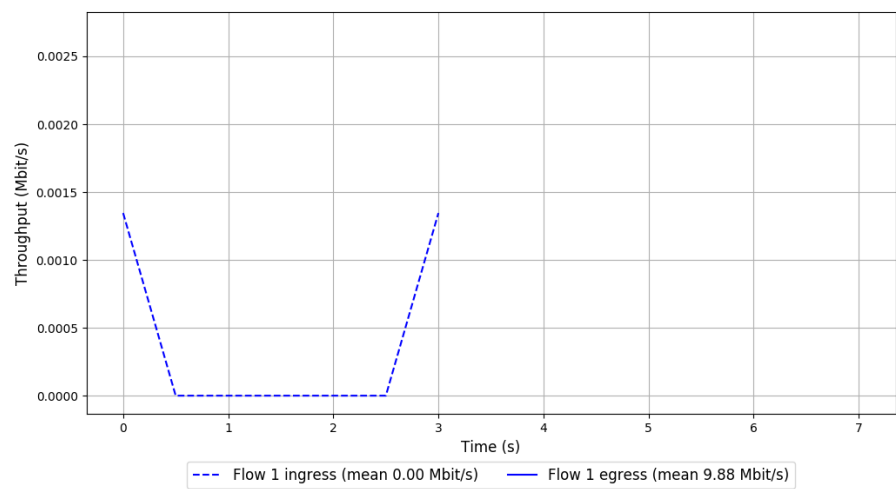
Start at: Mon, 24 Jul 2017 22:43:47 +0000

End at: Mon, 24 Jul 2017 22:44:17 +0000

Local clock offset: 0.392 ms

Remote clock offset: 3.172 ms

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Mon, 24 Jul 2017 20:13:17 +0000

End at: Mon, 24 Jul 2017 20:13:47 +0000

Local clock offset: 0.554 ms

Remote clock offset: 5.884 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:22:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.51 Mbit/s

95th percentile per-packet one-way delay: 279.598 ms

Loss rate: 0.02%

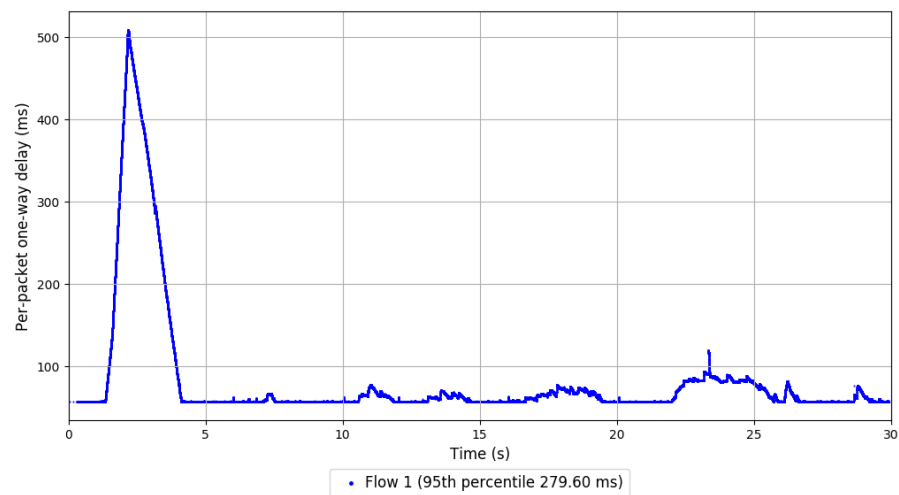
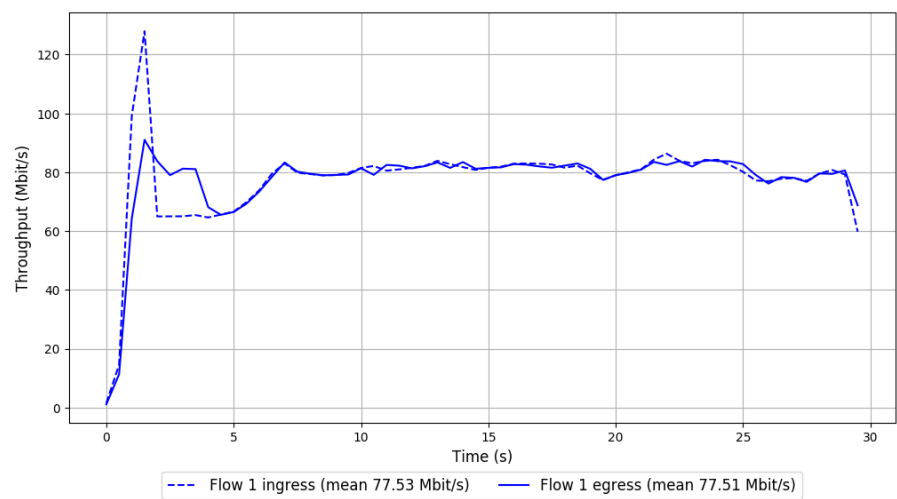
-- Flow 1:

Average throughput: 77.51 Mbit/s

95th percentile per-packet one-way delay: 279.598 ms

Loss rate: 0.02%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Mon, 24 Jul 2017 20:31:07 +0000

End at: Mon, 24 Jul 2017 20:31:37 +0000

Local clock offset: 0.449 ms

Remote clock offset: 6.067 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:22:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 71.52 Mbit/s

95th percentile per-packet one-way delay: 378.667 ms

Loss rate: 0.03%

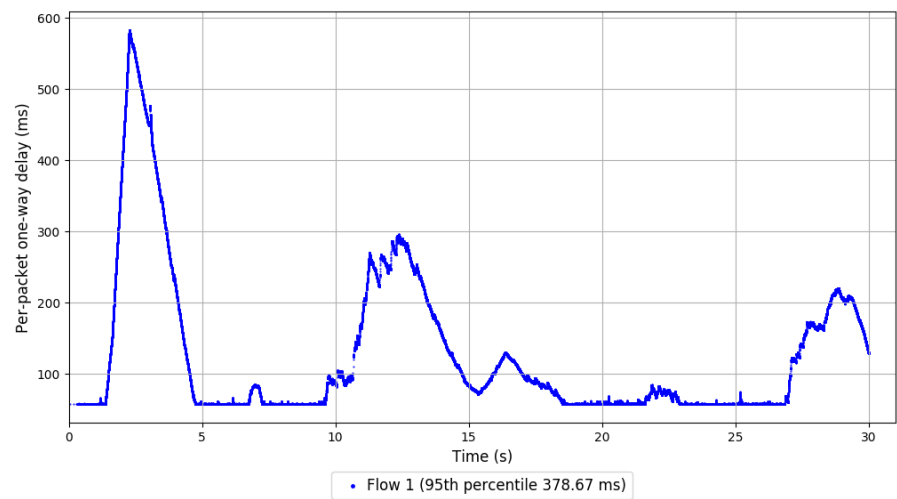
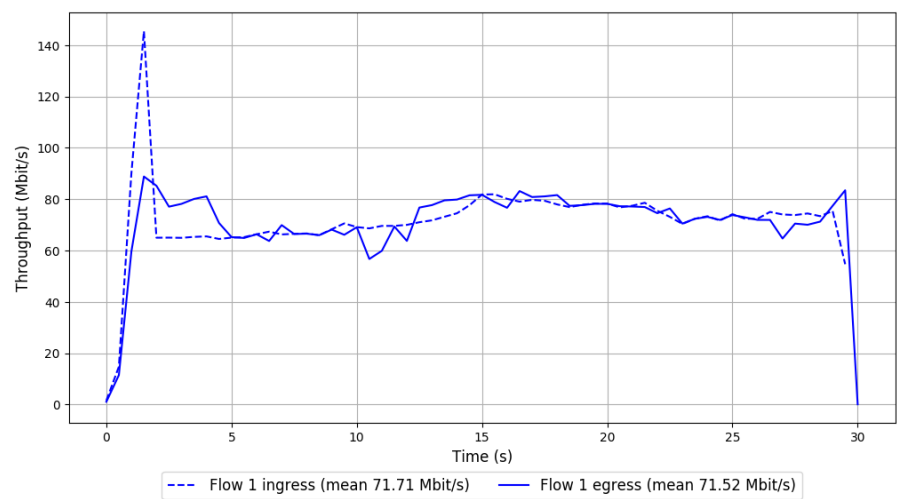
-- Flow 1:

Average throughput: 71.52 Mbit/s

95th percentile per-packet one-way delay: 378.667 ms

Loss rate: 0.03%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

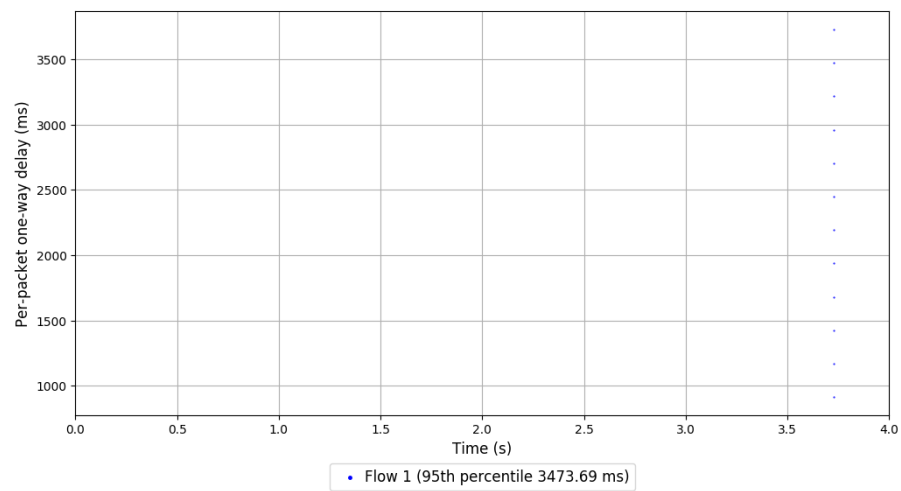
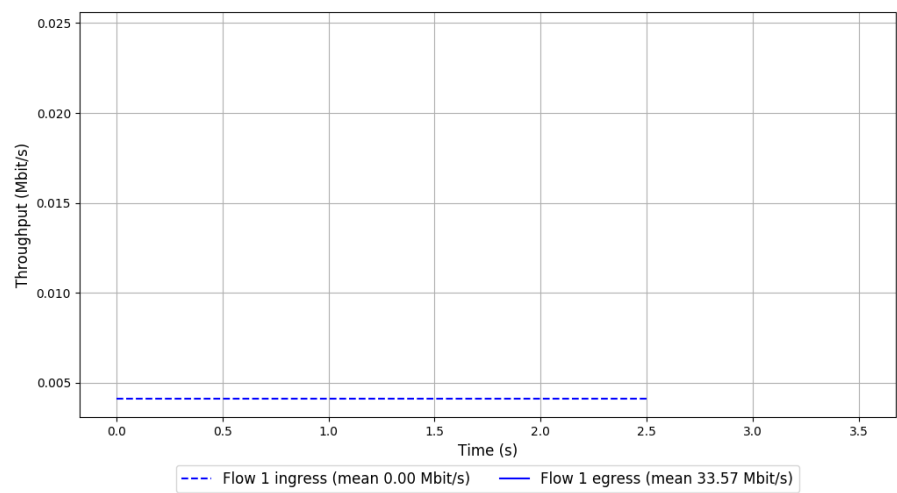
Start at: Mon, 24 Jul 2017 20:49:09 +0000

End at: Mon, 24 Jul 2017 20:49:39 +0000

Local clock offset: 0.506 ms

Remote clock offset: 6.185 ms

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Mon, 24 Jul 2017 21:07:20 +0000

End at: Mon, 24 Jul 2017 21:07:50 +0000

Local clock offset: 0.467 ms

Remote clock offset: 6.194 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:22:28 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.01 Mbit/s

95th percentile per-packet one-way delay: 291.806 ms

Loss rate: 0.02%

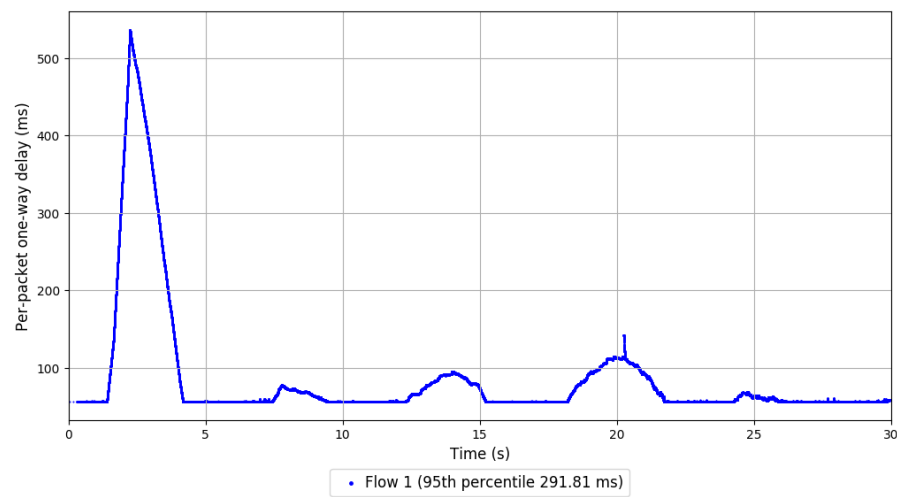
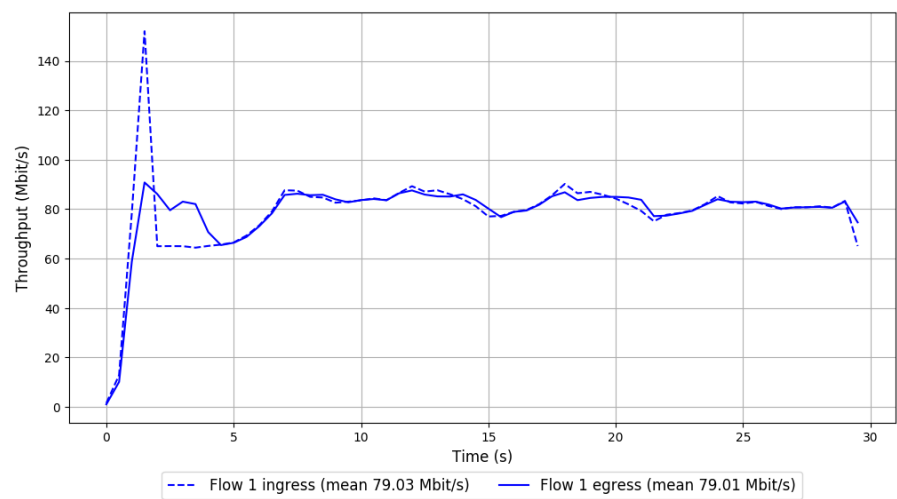
-- Flow 1:

Average throughput: 79.01 Mbit/s

95th percentile per-packet one-way delay: 291.806 ms

Loss rate: 0.02%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

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

End at: Mon, 24 Jul 2017 21:25:55 +0000

Local clock offset: 0.377 ms

Remote clock offset: 6.269 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:22:33 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.67 Mbit/s

95th percentile per-packet one-way delay: 303.334 ms

Loss rate: 0.02%

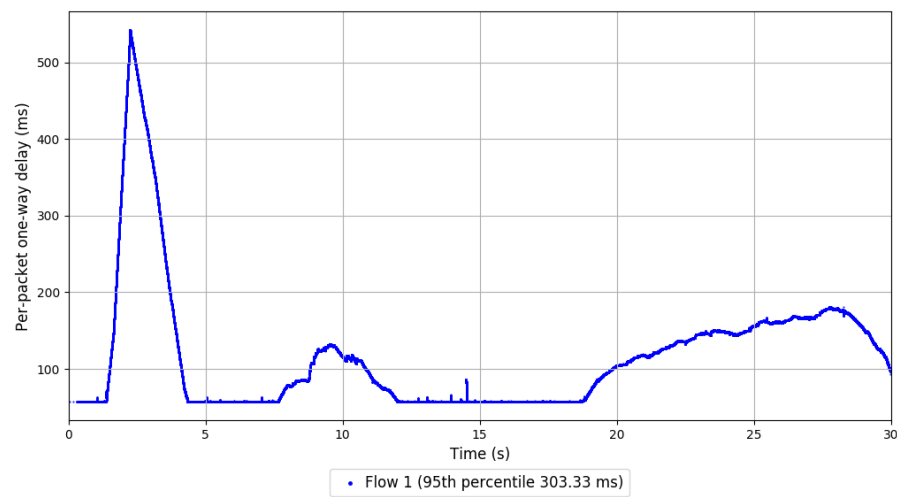
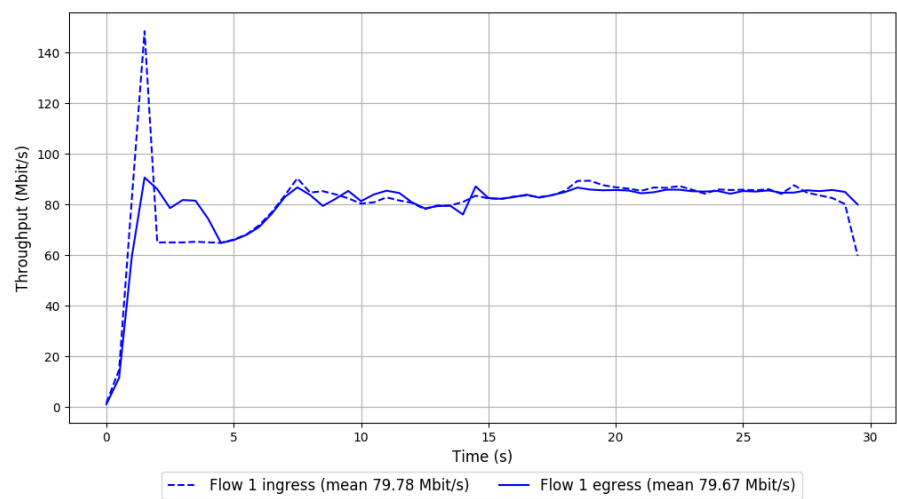
-- Flow 1:

Average throughput: 79.67 Mbit/s

95th percentile per-packet one-way delay: 303.334 ms

Loss rate: 0.02%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Mon, 24 Jul 2017 21:43:28 +0000

End at: Mon, 24 Jul 2017 21:43:58 +0000

Local clock offset: 0.374 ms

Remote clock offset: 5.901 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.43 Mbit/s

95th percentile per-packet one-way delay: 257.213 ms

Loss rate: 0.00%

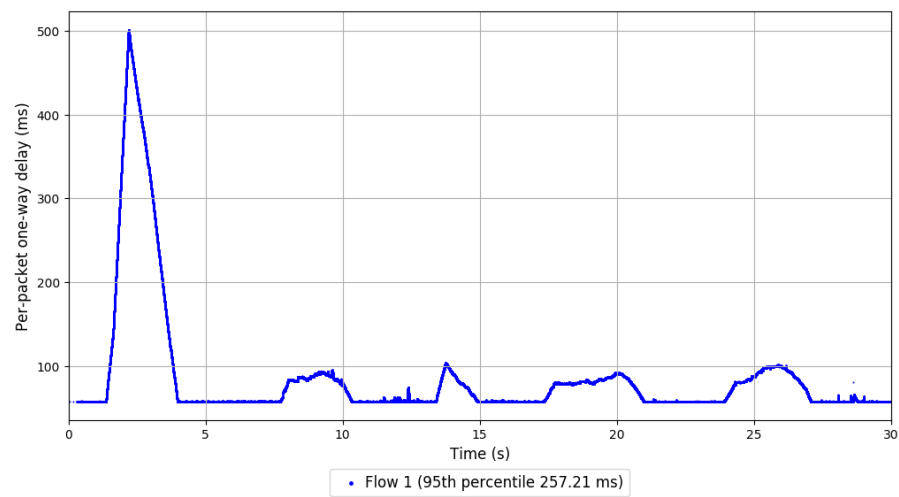
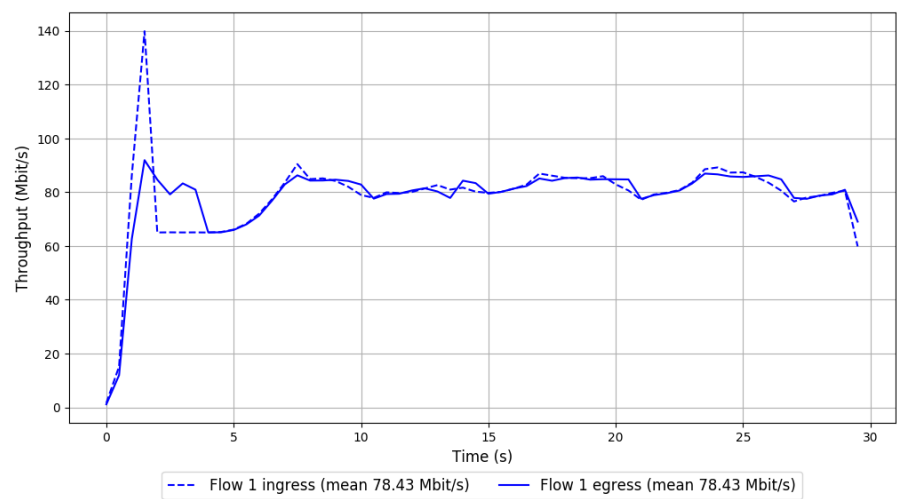
-- Flow 1:

Average throughput: 78.43 Mbit/s

95th percentile per-packet one-way delay: 257.213 ms

Loss rate: 0.00%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Mon, 24 Jul 2017 22:01:37 +0000

End at: Mon, 24 Jul 2017 22:02:07 +0000

Local clock offset: 0.388 ms

Remote clock offset: 5.46 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:22:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.47 Mbit/s

95th percentile per-packet one-way delay: 321.650 ms

Loss rate: 0.19%

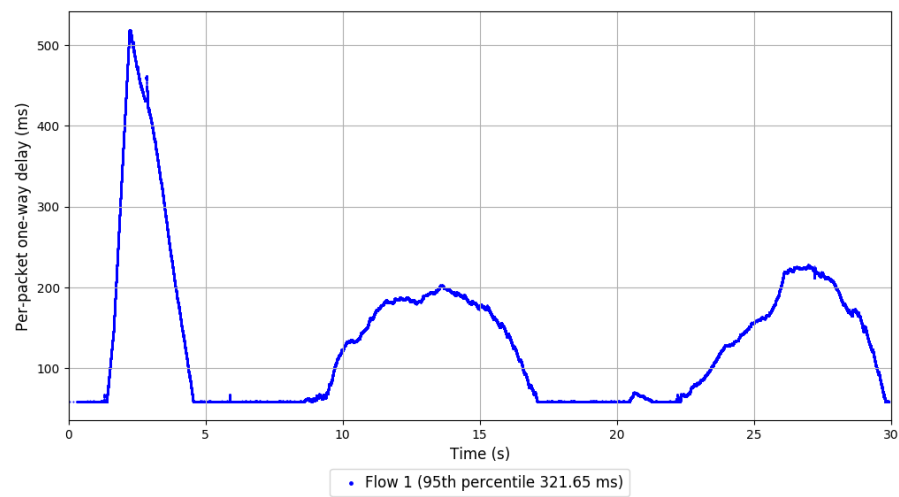
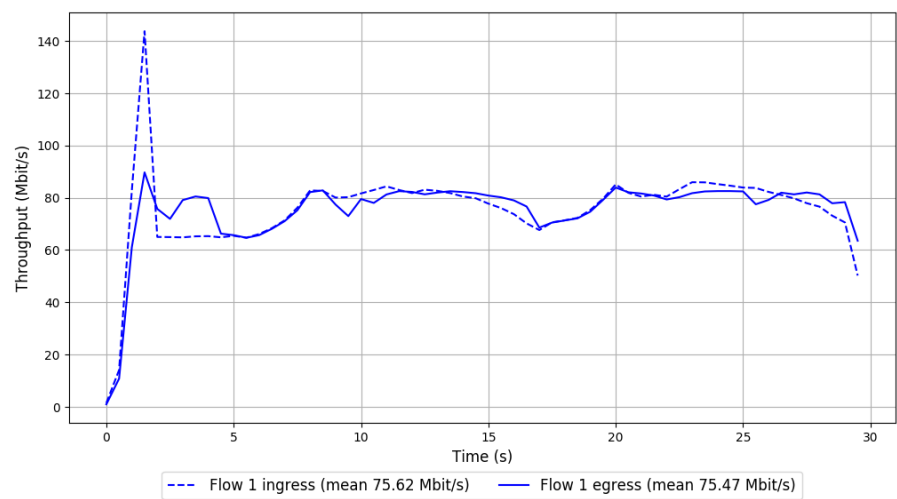
-- Flow 1:

Average throughput: 75.47 Mbit/s

95th percentile per-packet one-way delay: 321.650 ms

Loss rate: 0.19%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Mon, 24 Jul 2017 22:19:37 +0000

End at: Mon, 24 Jul 2017 22:20:07 +0000

Local clock offset: 0.388 ms

Remote clock offset: 4.192 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:22:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.99 Mbit/s

95th percentile per-packet one-way delay: 445.632 ms

Loss rate: 0.02%

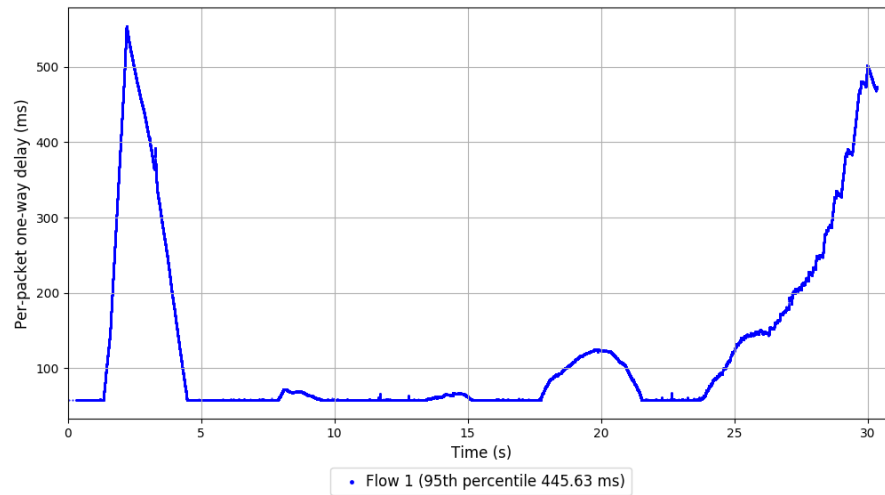
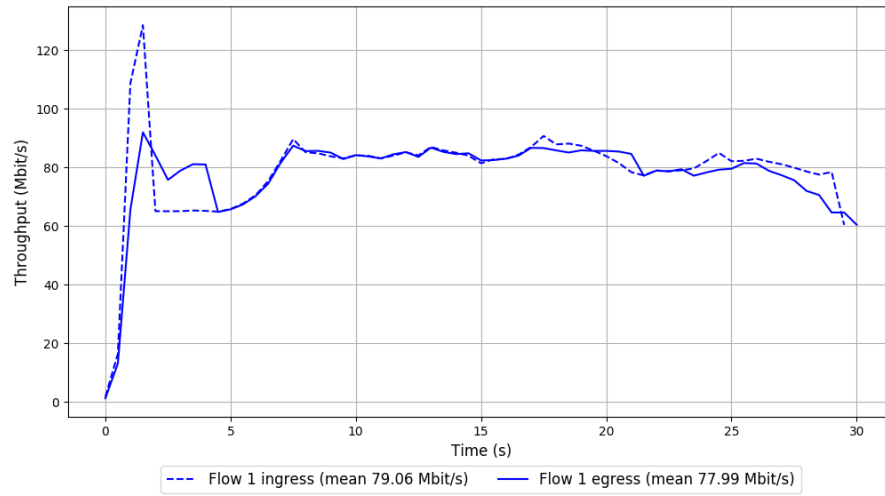
-- Flow 1:

Average throughput: 77.99 Mbit/s

95th percentile per-packet one-way delay: 445.632 ms

Loss rate: 0.02%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Mon, 24 Jul 2017 22:37:40 +0000

End at: Mon, 24 Jul 2017 22:38:10 +0000

Local clock offset: 0.384 ms

Remote clock offset: 3.583 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:22:55 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.80 Mbit/s

95th percentile per-packet one-way delay: 342.923 ms

Loss rate: 0.04%

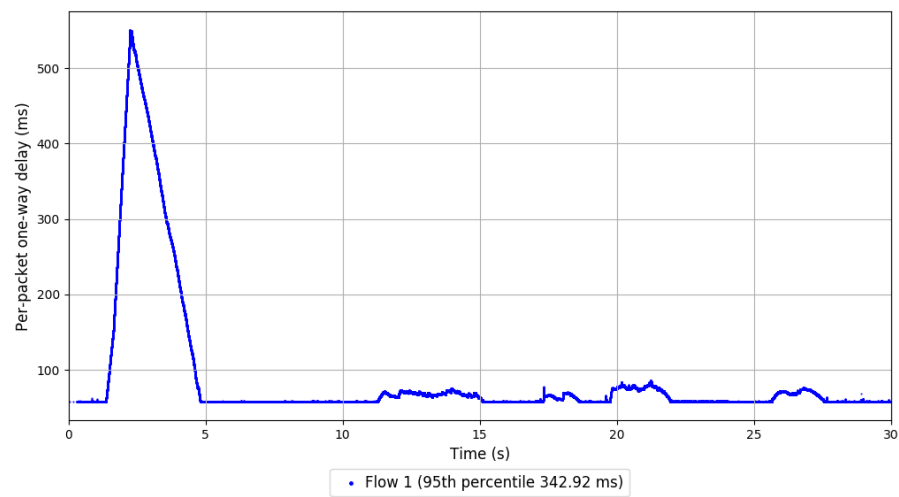
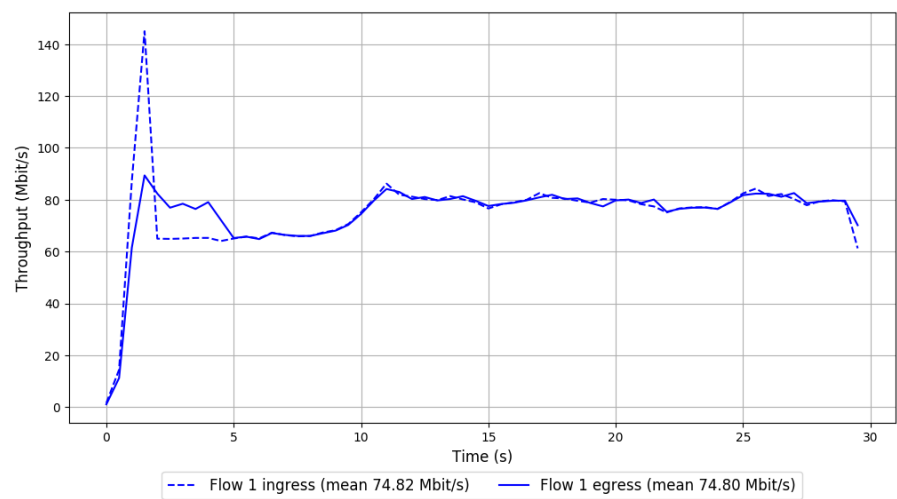
-- Flow 1:

Average throughput: 74.80 Mbit/s

95th percentile per-packet one-way delay: 342.923 ms

Loss rate: 0.04%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

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

End at: Mon, 24 Jul 2017 22:56:05 +0000

Local clock offset: 0.397 ms

Remote clock offset: 2.608 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:05 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.46 Mbit/s

95th percentile per-packet one-way delay: 309.429 ms

Loss rate: 0.22%

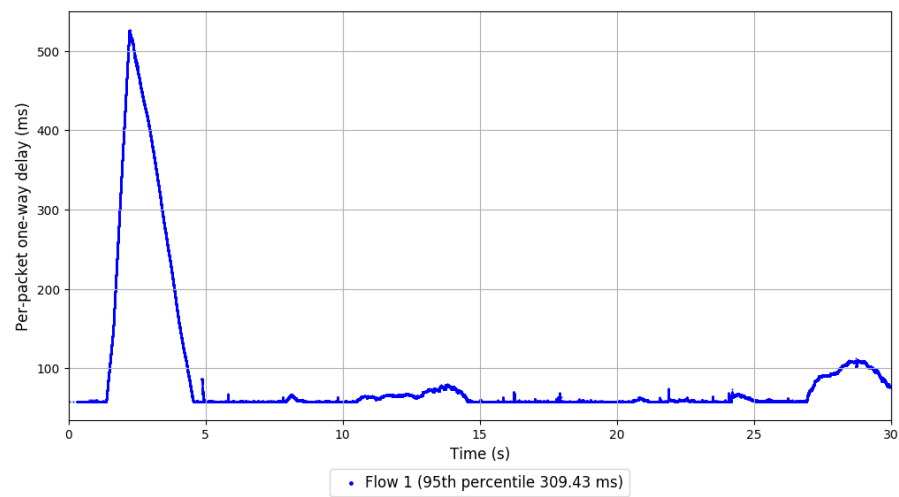
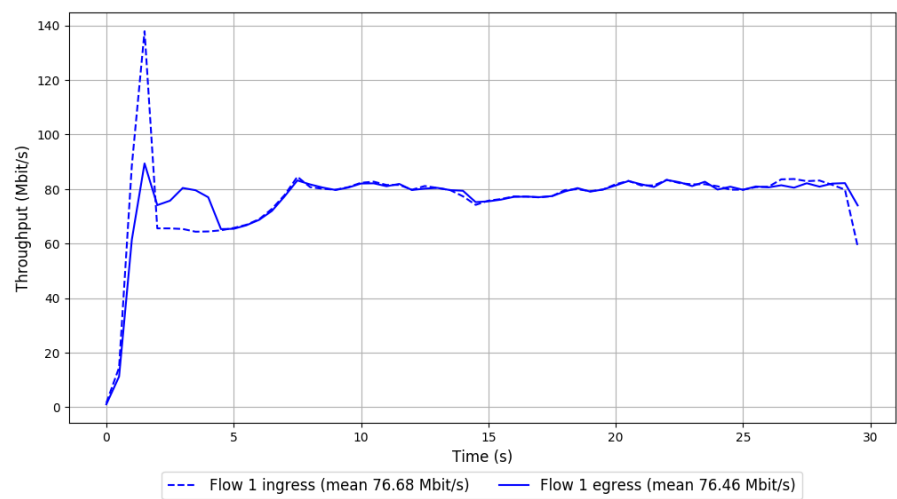
-- Flow 1:

Average throughput: 76.46 Mbit/s

95th percentile per-packet one-way delay: 309.429 ms

Loss rate: 0.22%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

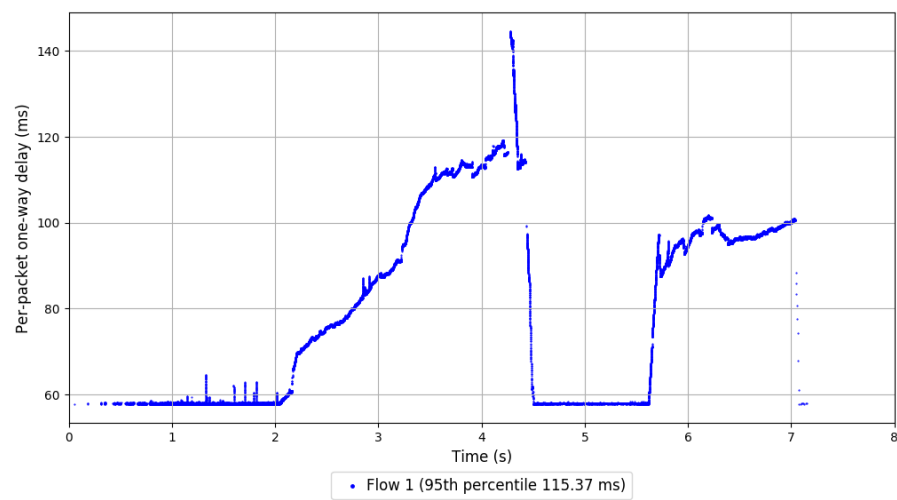
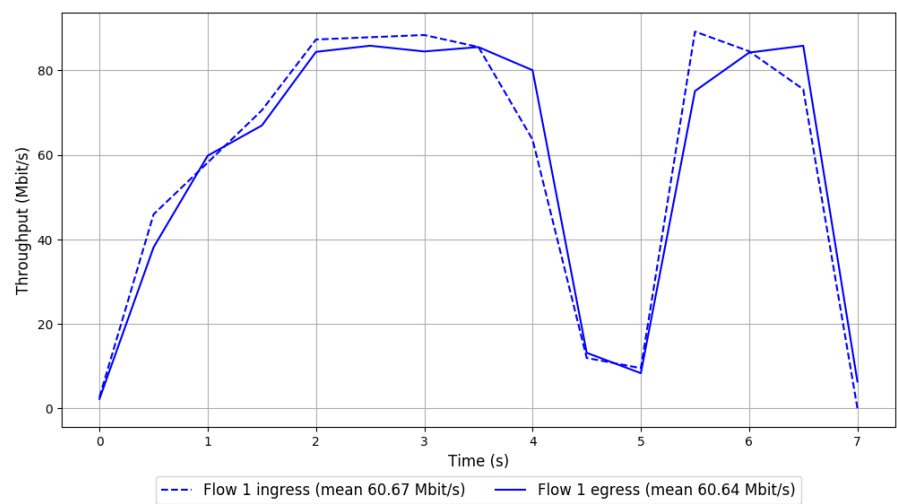
Start at: Mon, 24 Jul 2017 20:02:35 +0000

End at: Mon, 24 Jul 2017 20:03:05 +0000

Local clock offset: 0.502 ms

Remote clock offset: 5.907 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

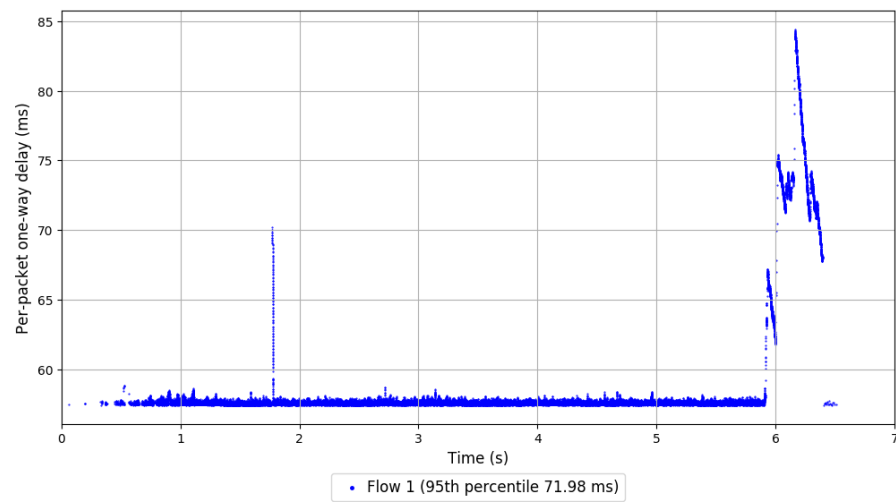
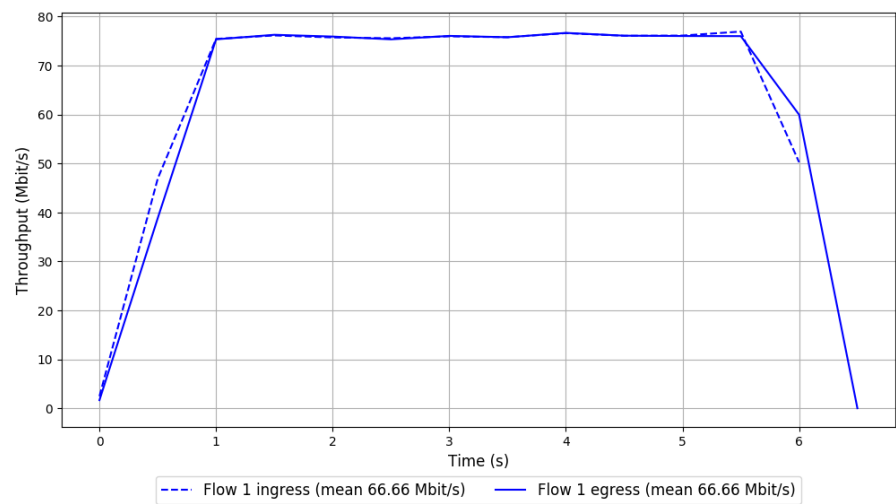
Start at: Mon, 24 Jul 2017 20:20:25 +0000

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

Local clock offset: 0.513 ms

Remote clock offset: 5.982 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

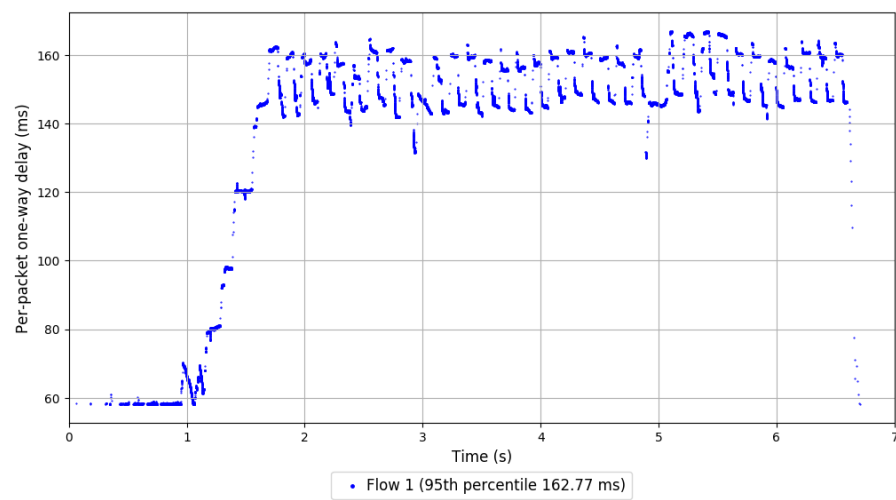
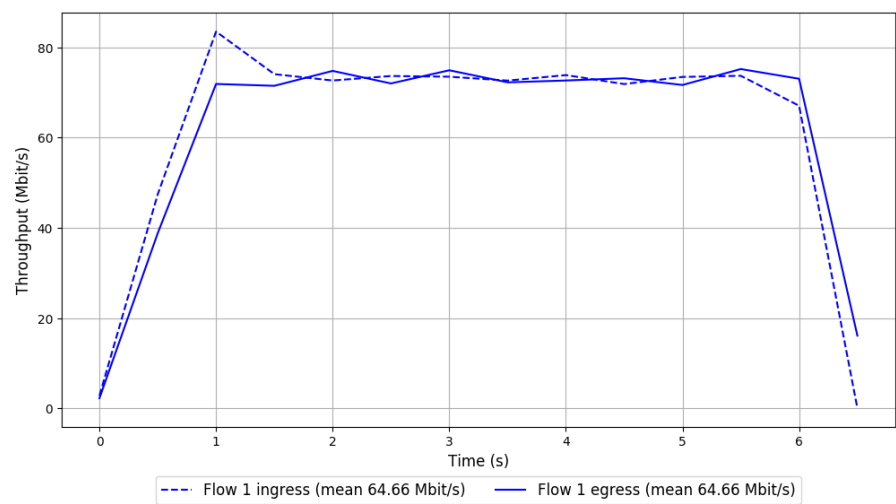
Start at: Mon, 24 Jul 2017 20:38:23 +0000

End at: Mon, 24 Jul 2017 20:38:53 +0000

Local clock offset: 0.556 ms

Remote clock offset: 6.351 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

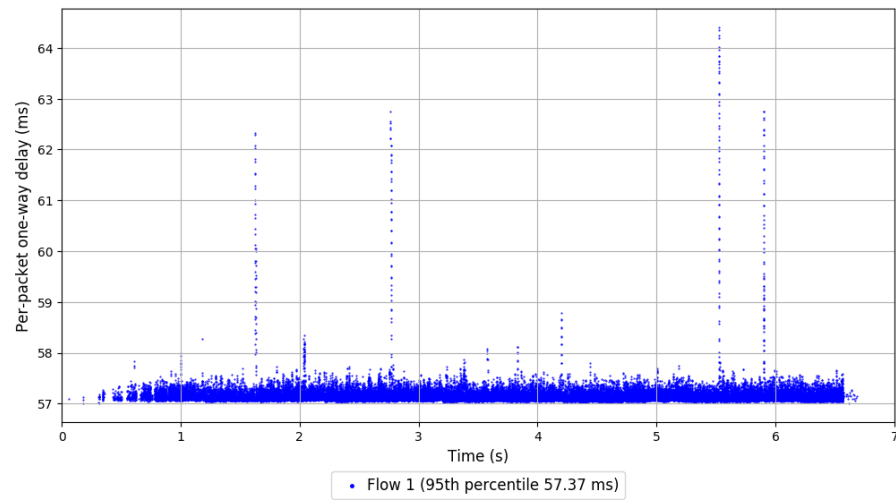
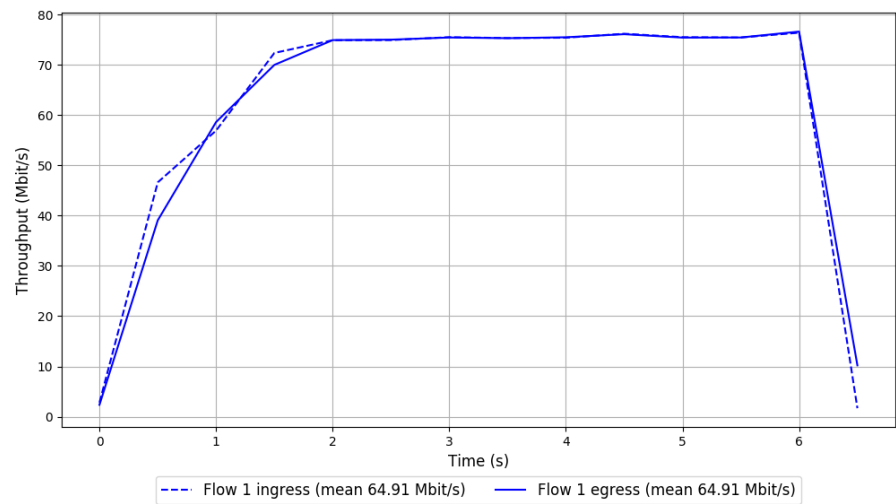
Start at: Mon, 24 Jul 2017 20:56:28 +0000

End at: Mon, 24 Jul 2017 20:56:58 +0000

Local clock offset: 0.493 ms

Remote clock offset: 6.051 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

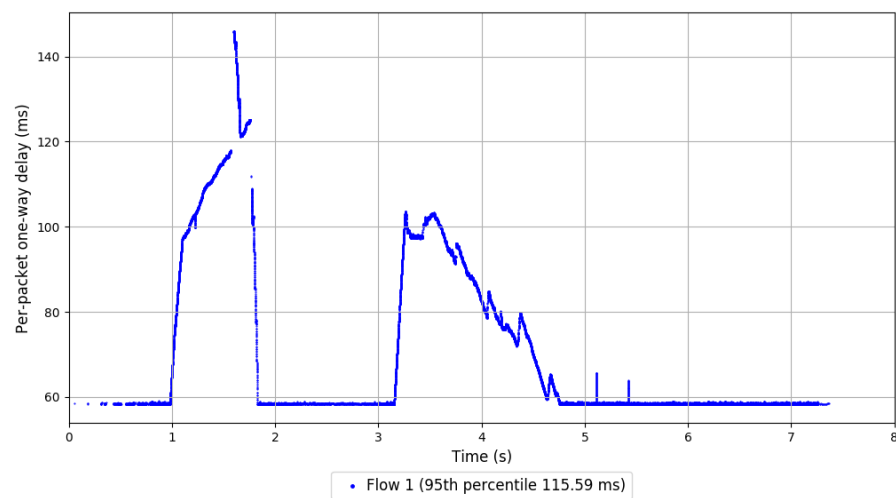
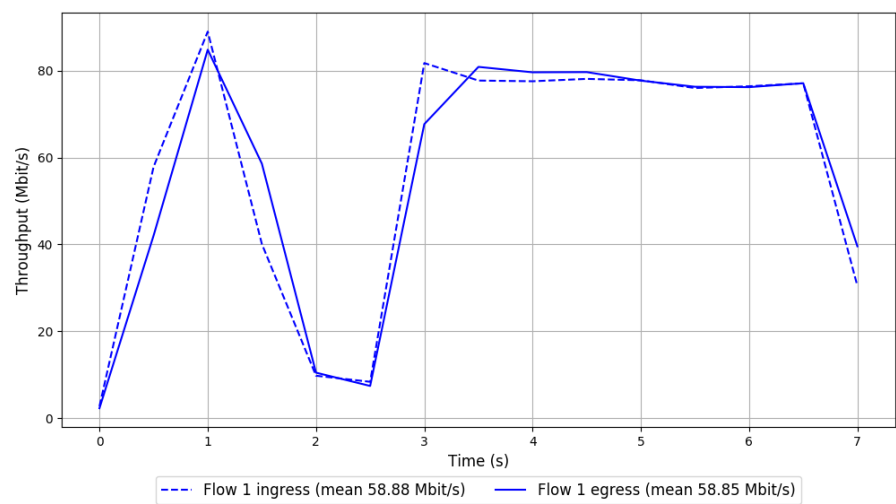
Start at: Mon, 24 Jul 2017 21:14:38 +0000

End at: Mon, 24 Jul 2017 21:15:08 +0000

Local clock offset: 0.433 ms

Remote clock offset: 6.26 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

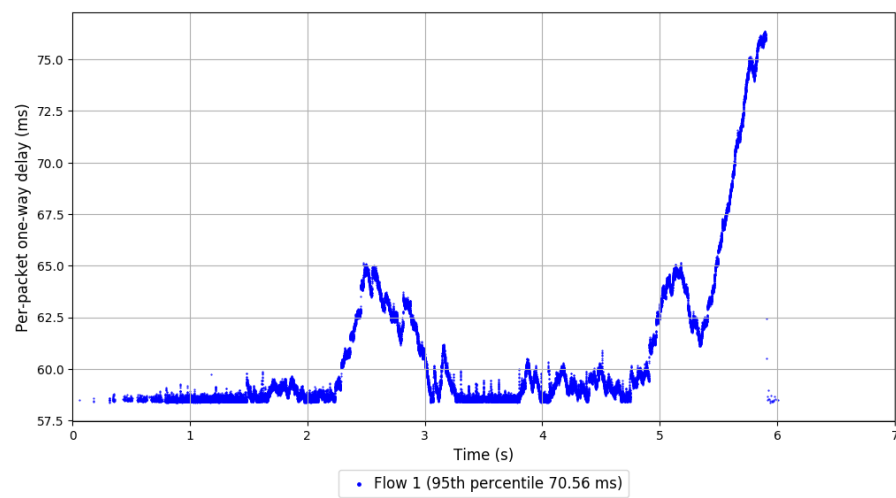
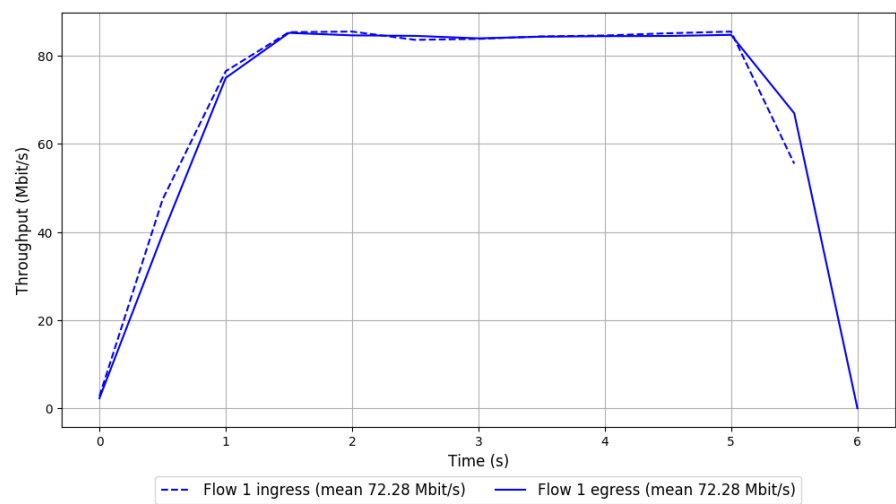
Start at: Mon, 24 Jul 2017 21:32:43 +0000

End at: Mon, 24 Jul 2017 21:33:13 +0000

Local clock offset: 0.345 ms

Remote clock offset: 5.975 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

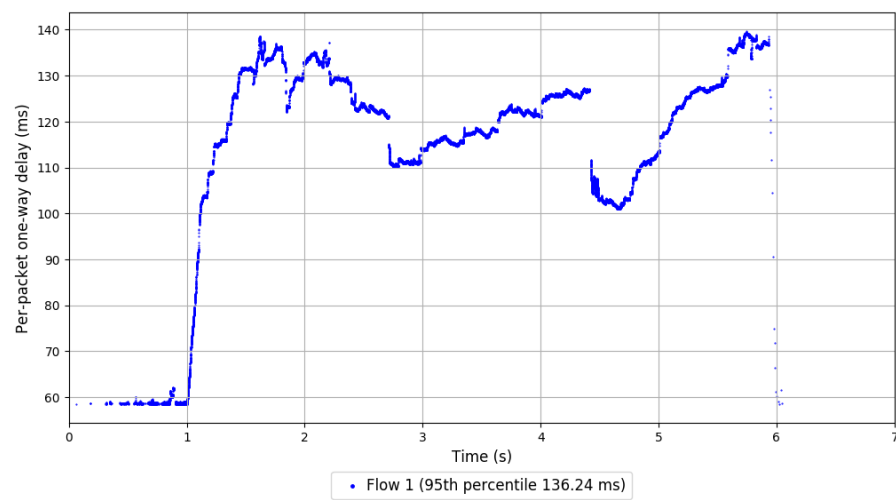
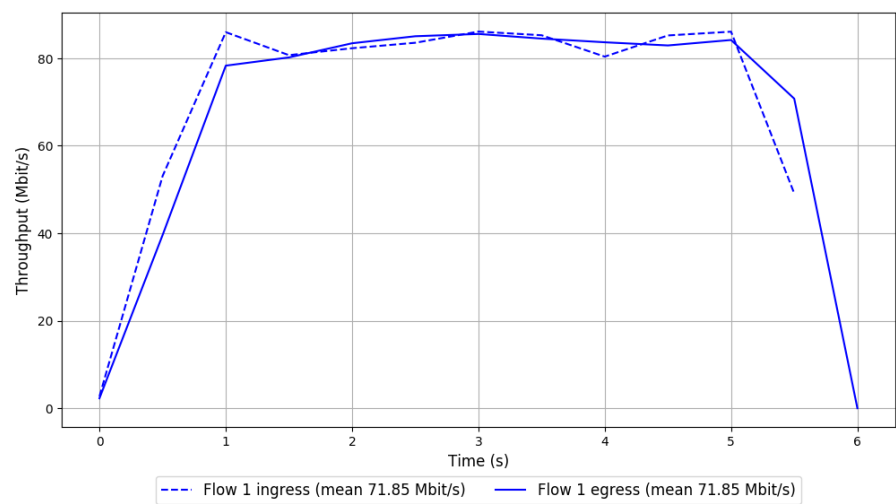
Start at: Mon, 24 Jul 2017 21:50:46 +0000

End at: Mon, 24 Jul 2017 21:51:16 +0000

Local clock offset: 0.412 ms

Remote clock offset: 5.598 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

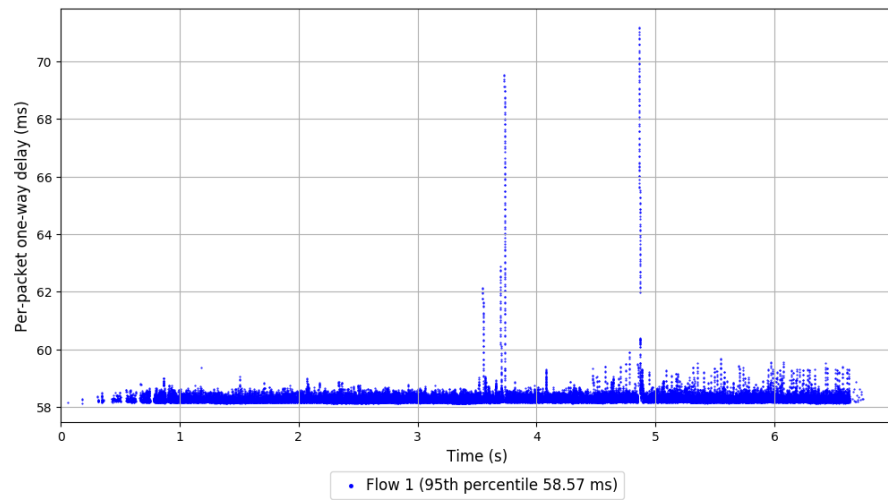
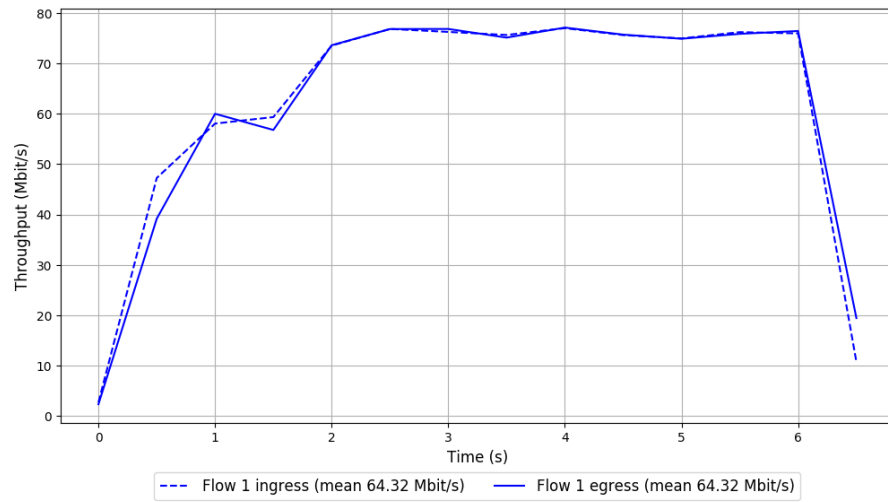
Start at: Mon, 24 Jul 2017 22:08:56 +0000

End at: Mon, 24 Jul 2017 22:09:26 +0000

Local clock offset: 0.332 ms

Remote clock offset: 4.893 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

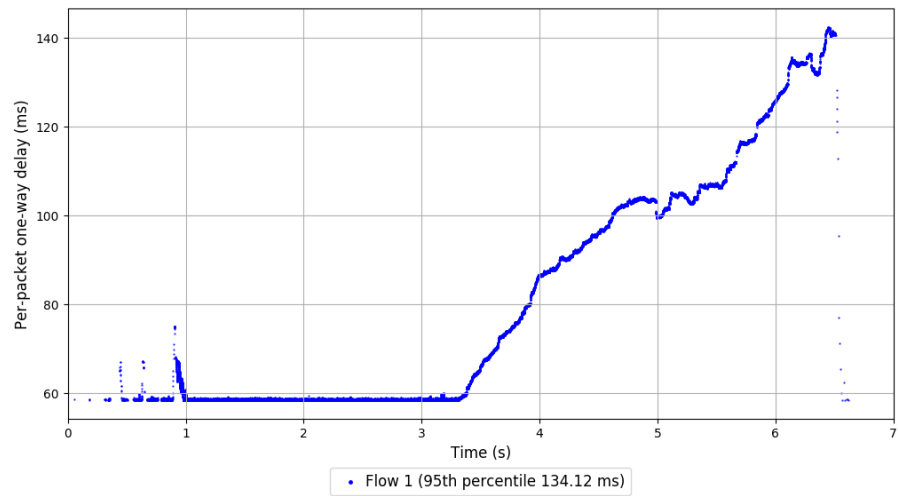
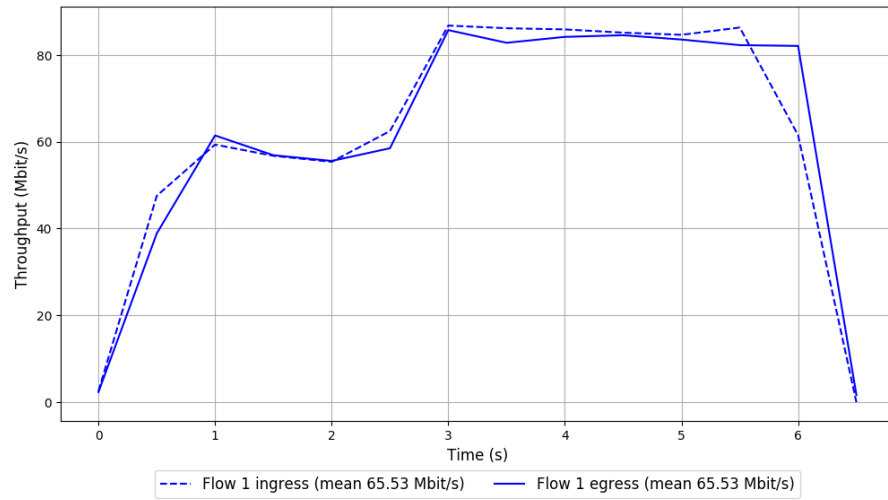
Start at: Mon, 24 Jul 2017 22:26:56 +0000

End at: Mon, 24 Jul 2017 22:27:26 +0000

Local clock offset: 0.324 ms

Remote clock offset: 4.034 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

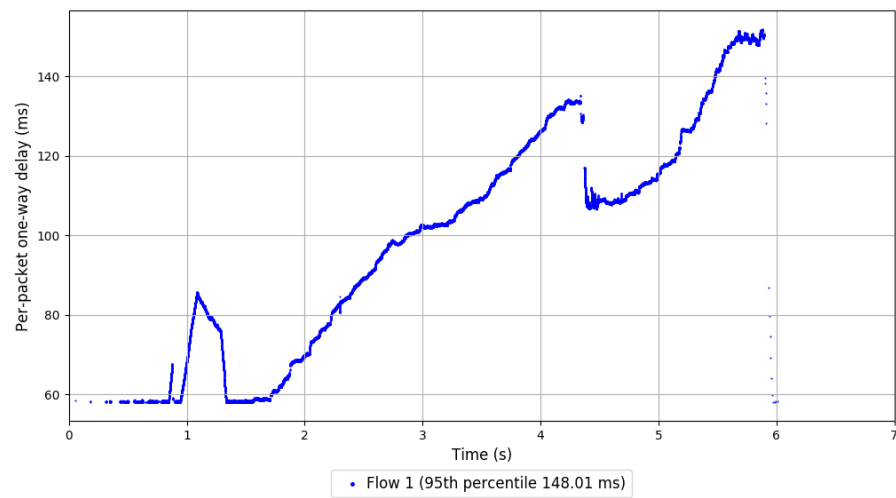
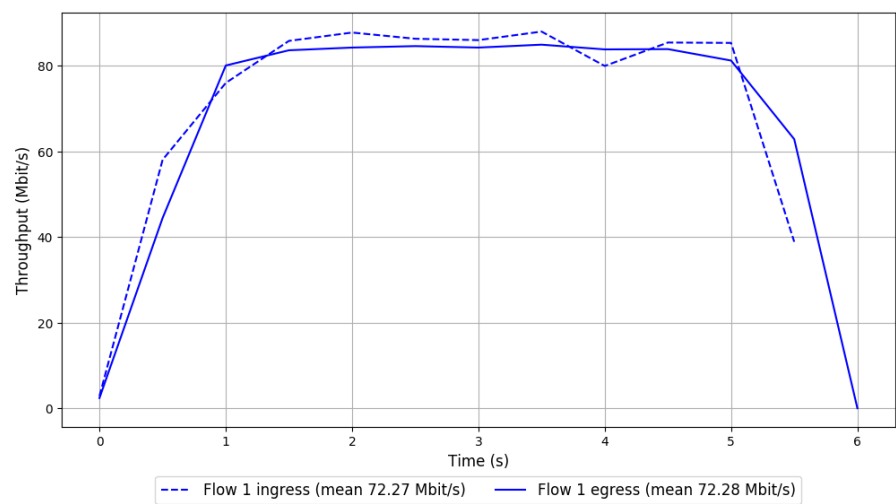
Start at: Mon, 24 Jul 2017 22:44:55 +0000

End at: Mon, 24 Jul 2017 22:45:25 +0000

Local clock offset: 0.32 ms

Remote clock offset: 2.963 ms

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Mon, 24 Jul 2017 20:12:06 +0000

End at: Mon, 24 Jul 2017 20:12:36 +0000

Local clock offset: 0.535 ms

Remote clock offset: 6.046 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:17 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.71 Mbit/s

95th percentile per-packet one-way delay: 57.628 ms

Loss rate: 0.00%

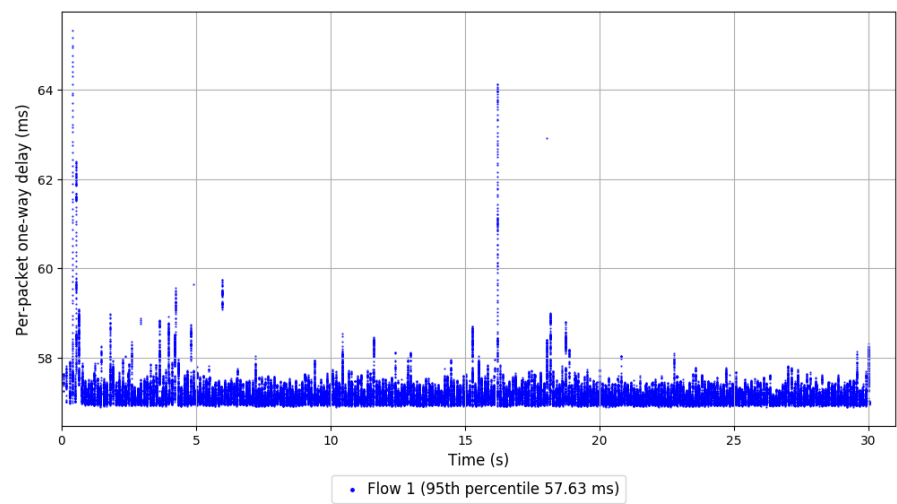
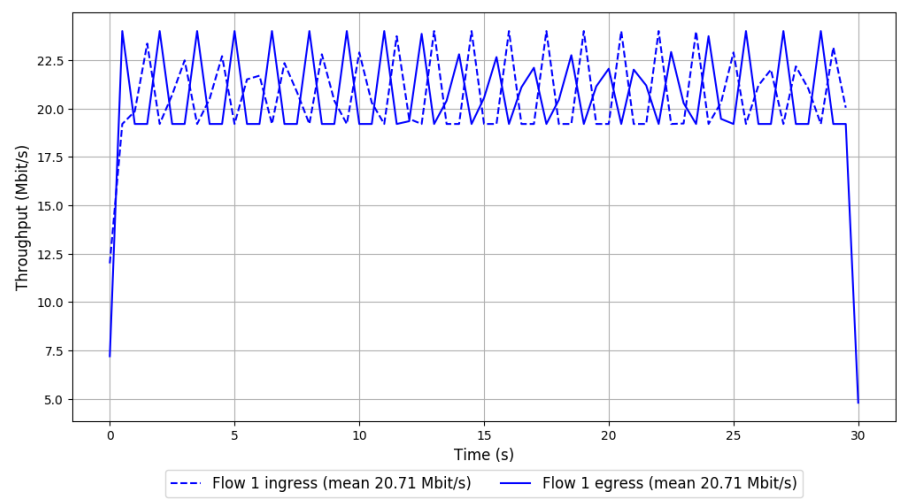
-- Flow 1:

Average throughput: 20.71 Mbit/s

95th percentile per-packet one-way delay: 57.628 ms

Loss rate: 0.00%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Mon, 24 Jul 2017 20:29:57 +0000

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

Local clock offset: 0.516 ms

Remote clock offset: 6.191 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:19 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.38 Mbit/s

95th percentile per-packet one-way delay: 59.457 ms

Loss rate: 0.07%

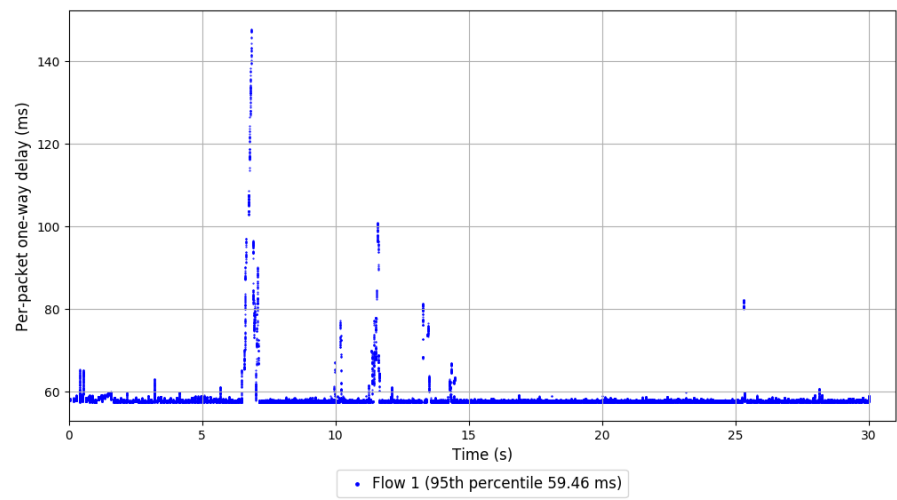
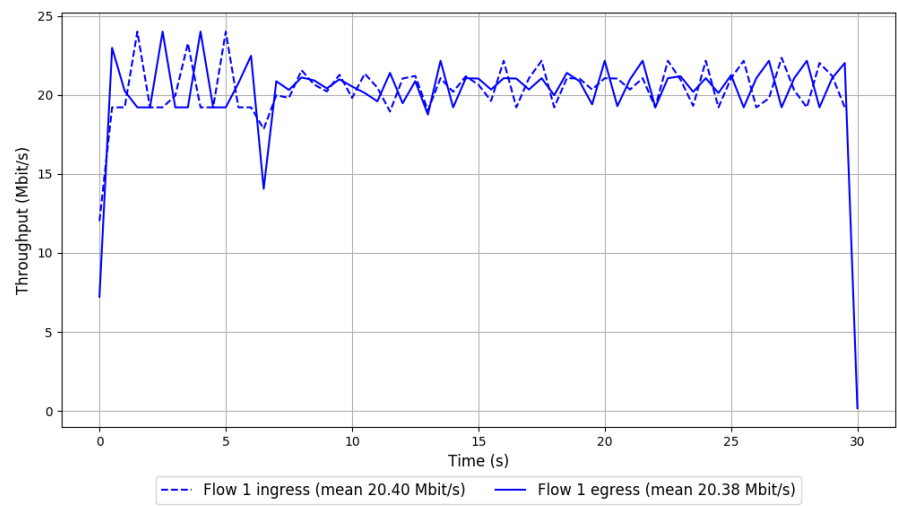
-- Flow 1:

Average throughput: 20.38 Mbit/s

95th percentile per-packet one-way delay: 59.457 ms

Loss rate: 0.07%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Mon, 24 Jul 2017 20:47:58 +0000

End at: Mon, 24 Jul 2017 20:48:28 +0000

Local clock offset: 0.476 ms

Remote clock offset: 5.989 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.47 Mbit/s

95th percentile per-packet one-way delay: 58.562 ms

Loss rate: 0.00%

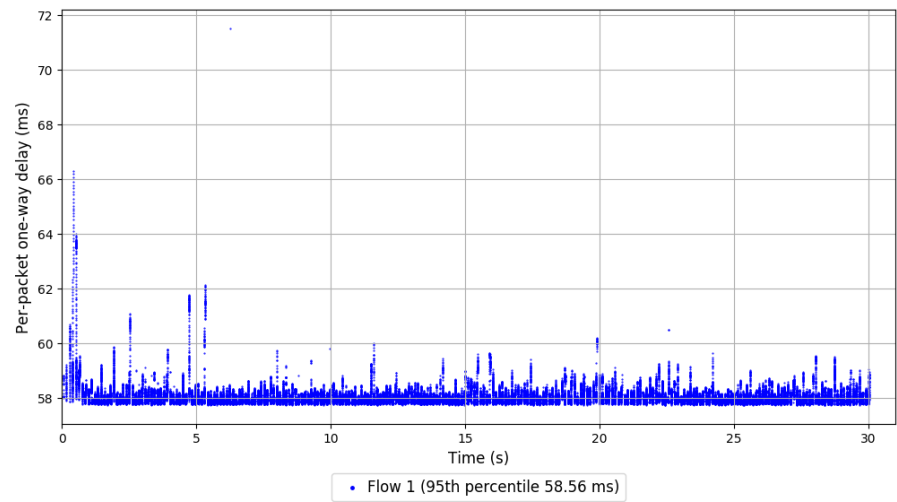
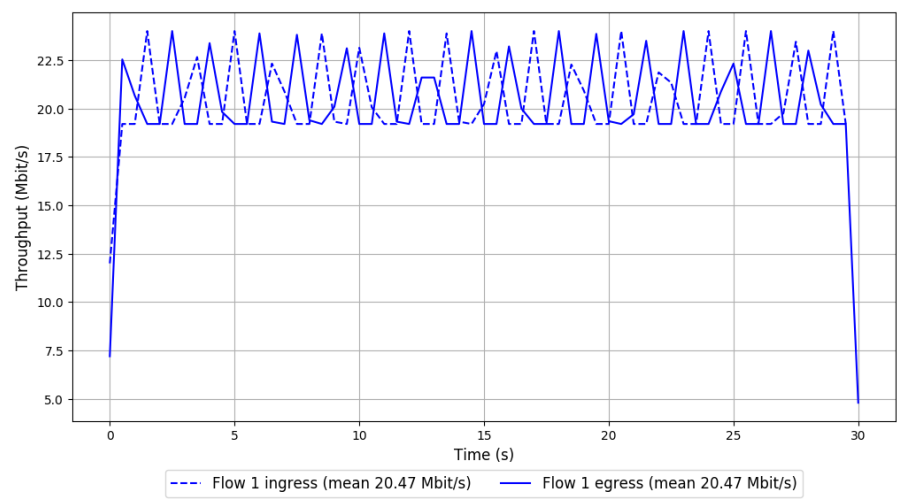
-- Flow 1:

Average throughput: 20.47 Mbit/s

95th percentile per-packet one-way delay: 58.562 ms

Loss rate: 0.00%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Mon, 24 Jul 2017 21:06:10 +0000

End at: Mon, 24 Jul 2017 21:06:40 +0000

Local clock offset: 0.478 ms

Remote clock offset: 6.328 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.67 Mbit/s

95th percentile per-packet one-way delay: 57.524 ms

Loss rate: 0.00%

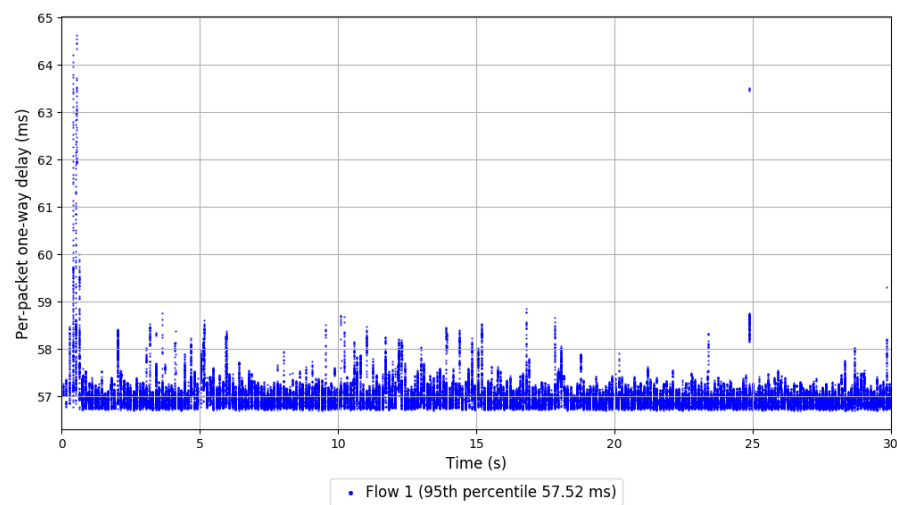
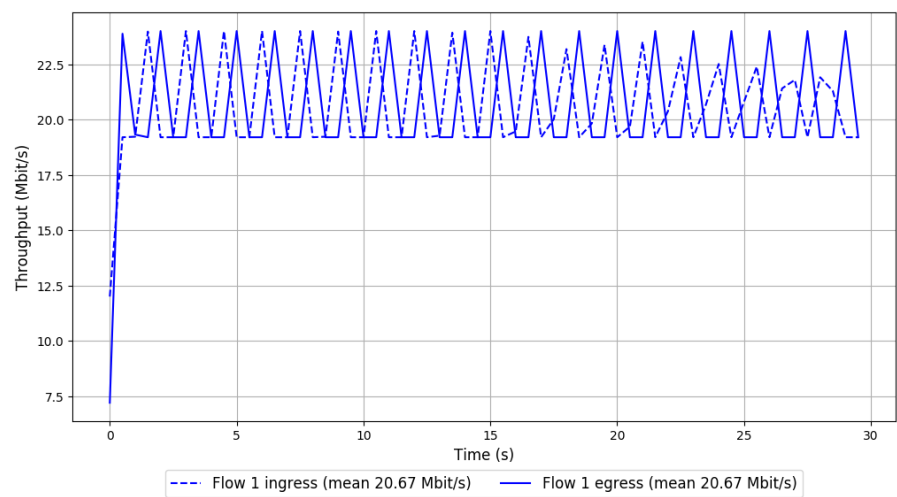
-- Flow 1:

Average throughput: 20.67 Mbit/s

95th percentile per-packet one-way delay: 57.524 ms

Loss rate: 0.00%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

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

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

Local clock offset: 0.433 ms

Remote clock offset: 6.904 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:24 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.30 Mbit/s

95th percentile per-packet one-way delay: 59.424 ms

Loss rate: 0.00%

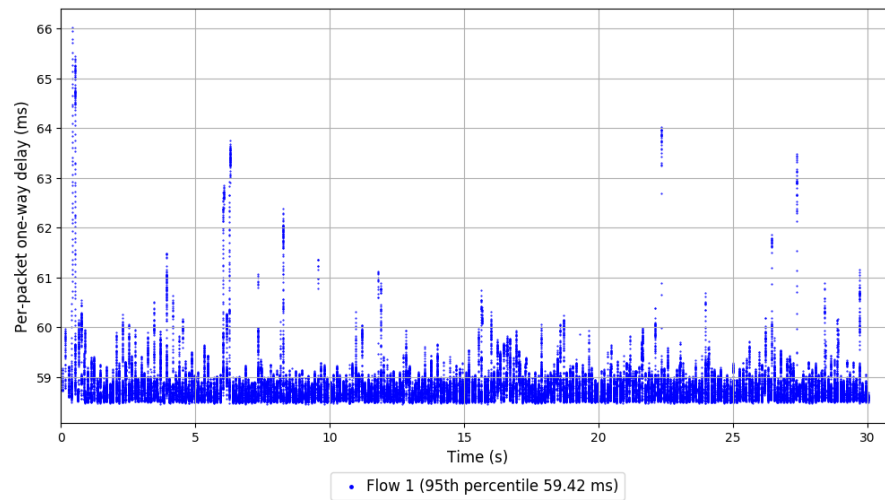
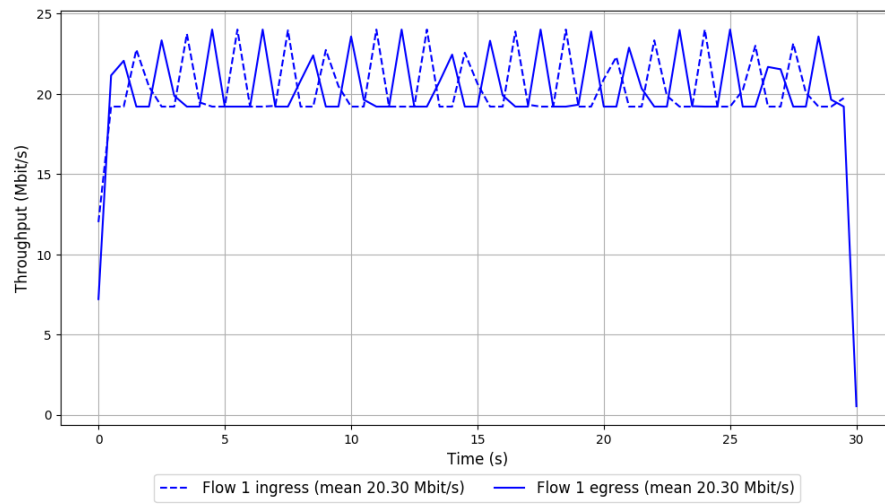
-- Flow 1:

Average throughput: 20.30 Mbit/s

95th percentile per-packet one-way delay: 59.424 ms

Loss rate: 0.00%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Mon, 24 Jul 2017 21:42:17 +0000

End at: Mon, 24 Jul 2017 21:42:47 +0000

Local clock offset: 0.361 ms

Remote clock offset: 5.54 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.68 Mbit/s

95th percentile per-packet one-way delay: 57.239 ms

Loss rate: 0.00%

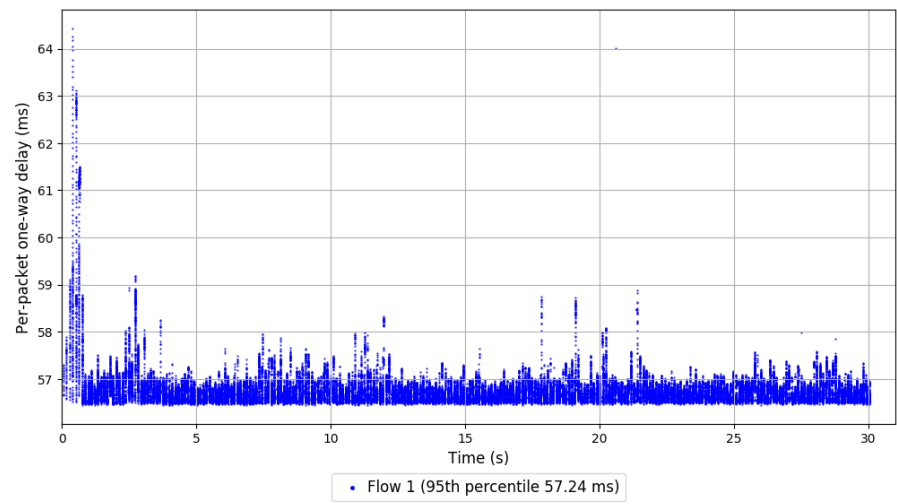
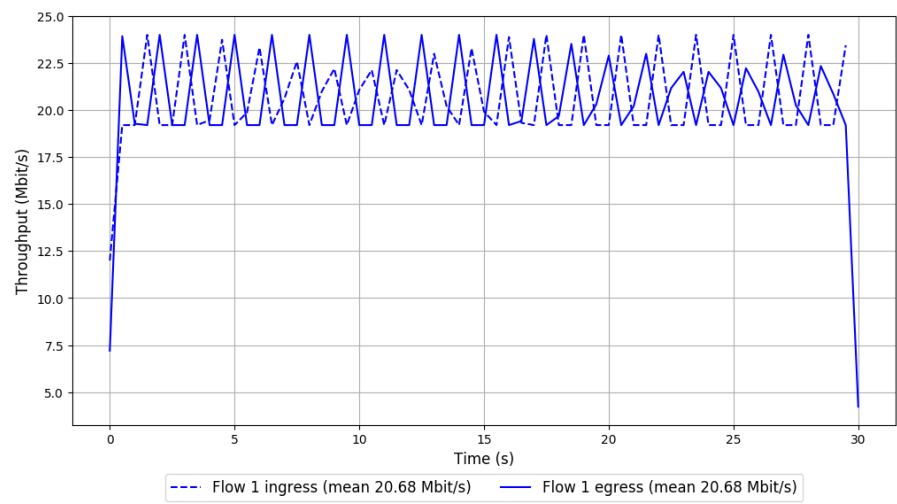
-- Flow 1:

Average throughput: 20.68 Mbit/s

95th percentile per-packet one-way delay: 57.239 ms

Loss rate: 0.00%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Mon, 24 Jul 2017 22:00:27 +0000

End at: Mon, 24 Jul 2017 22:00:57 +0000

Local clock offset: 0.305 ms

Remote clock offset: 5.478 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:29 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.55 Mbit/s

95th percentile per-packet one-way delay: 58.064 ms

Loss rate: 0.00%

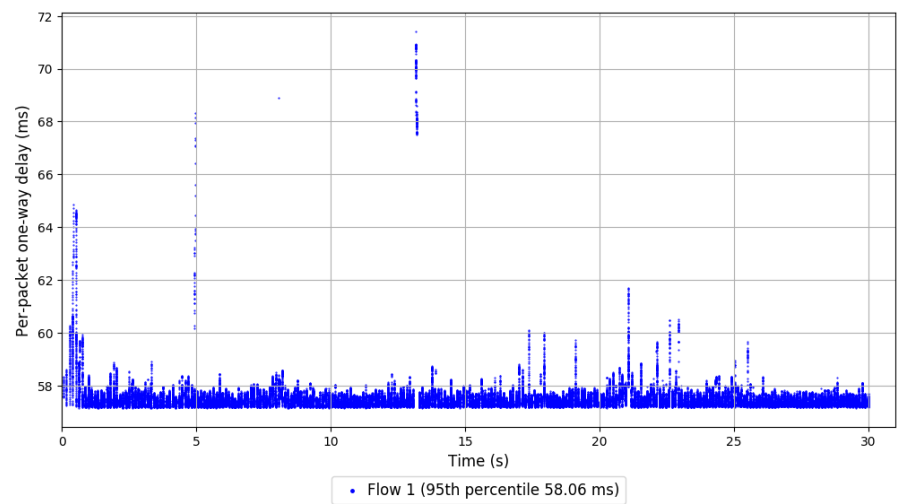
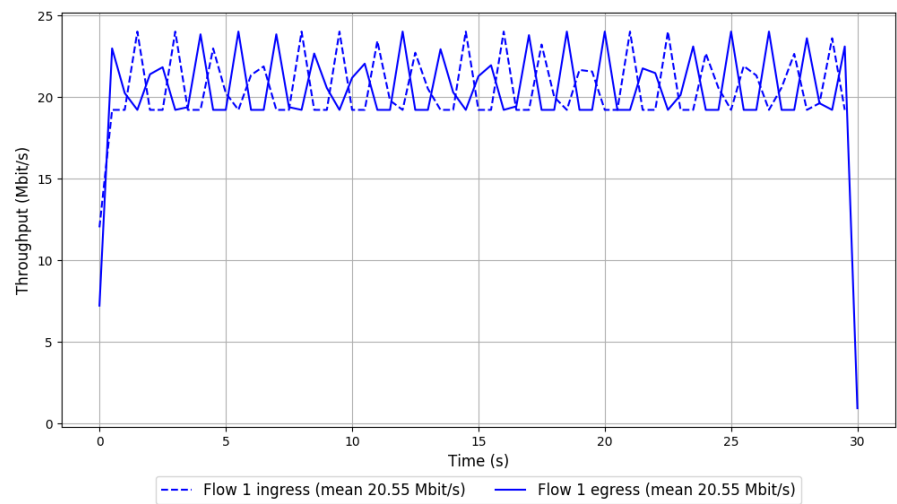
-- Flow 1:

Average throughput: 20.55 Mbit/s

95th percentile per-packet one-way delay: 58.064 ms

Loss rate: 0.00%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Mon, 24 Jul 2017 22:18:27 +0000

End at: Mon, 24 Jul 2017 22:18:57 +0000

Local clock offset: 0.387 ms

Remote clock offset: 4.891 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.54 Mbit/s

95th percentile per-packet one-way delay: 58.138 ms

Loss rate: 0.00%

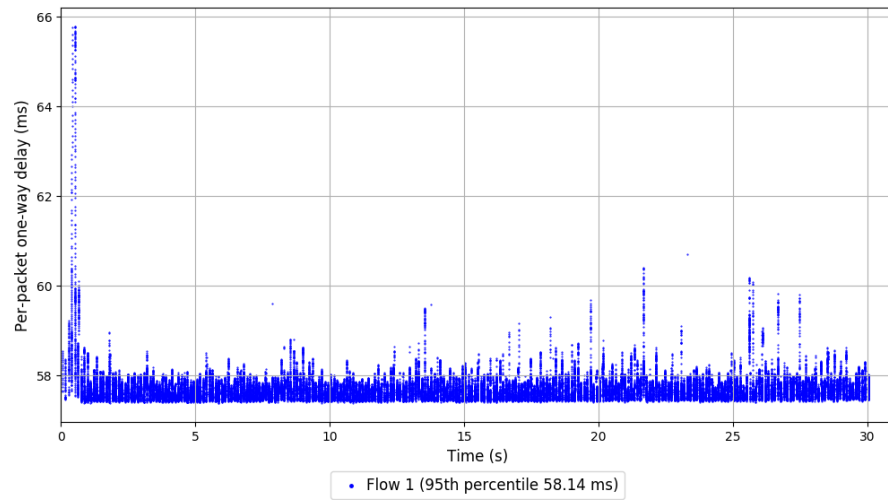
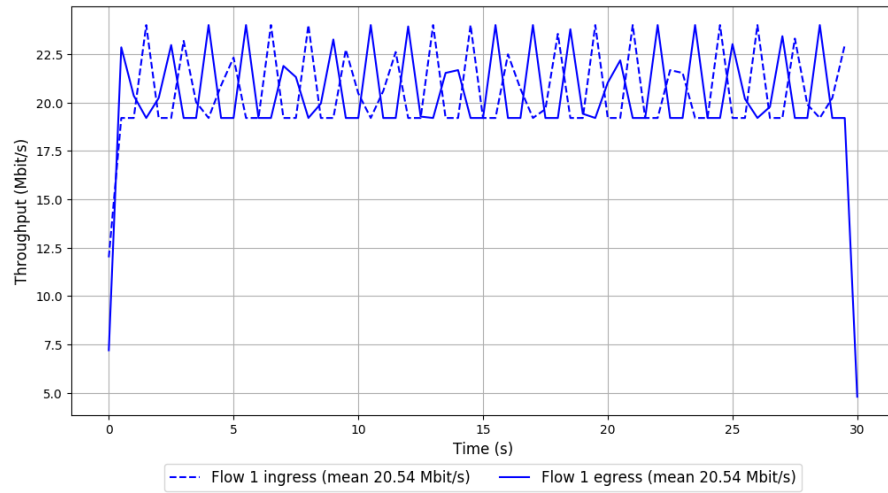
-- Flow 1:

Average throughput: 20.54 Mbit/s

95th percentile per-packet one-way delay: 58.138 ms

Loss rate: 0.00%

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Mon, 24 Jul 2017 22:36:30 +0000

End at: Mon, 24 Jul 2017 22:37:00 +0000

Local clock offset: 0.294 ms

Remote clock offset: 3.563 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:32 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.64 Mbit/s

95th percentile per-packet one-way delay: 57.995 ms

Loss rate: 0.00%

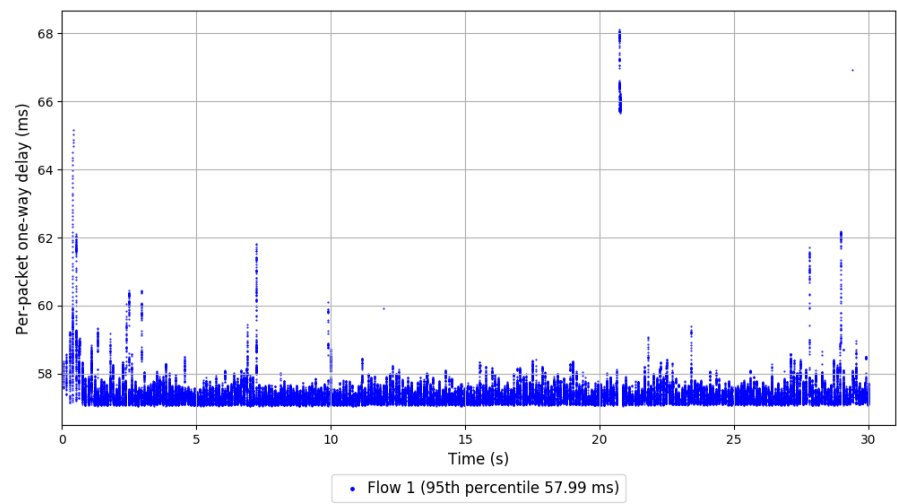
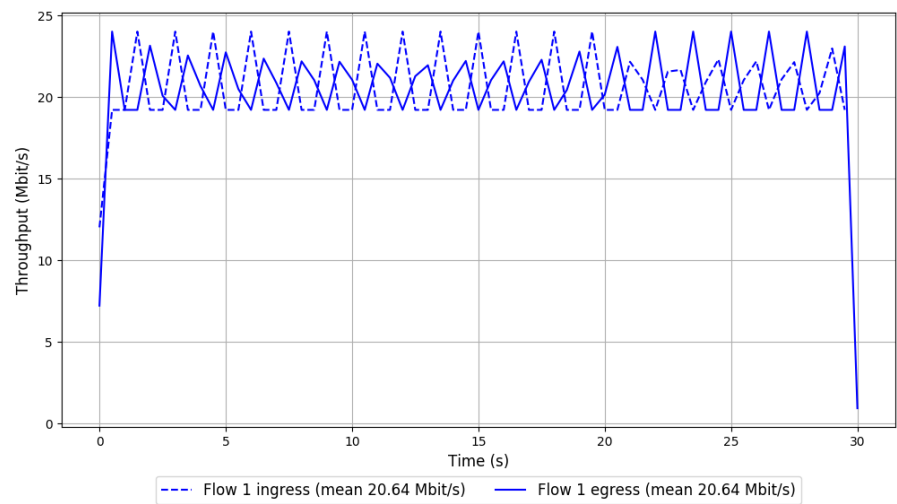
-- Flow 1:

Average throughput: 20.64 Mbit/s

95th percentile per-packet one-way delay: 57.995 ms

Loss rate: 0.00%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

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

End at: Mon, 24 Jul 2017 22:54:55 +0000

Local clock offset: 0.379 ms

Remote clock offset: 3.194 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.38 Mbit/s

95th percentile per-packet one-way delay: 59.421 ms

Loss rate: 0.10%

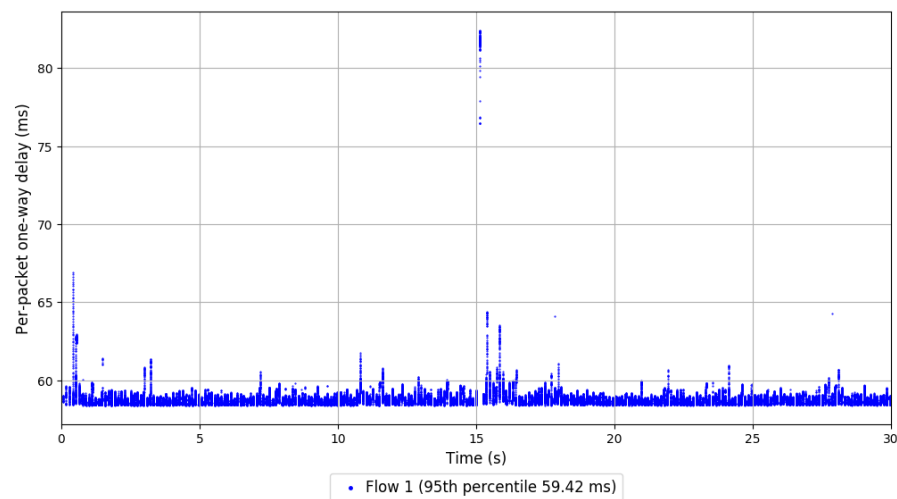
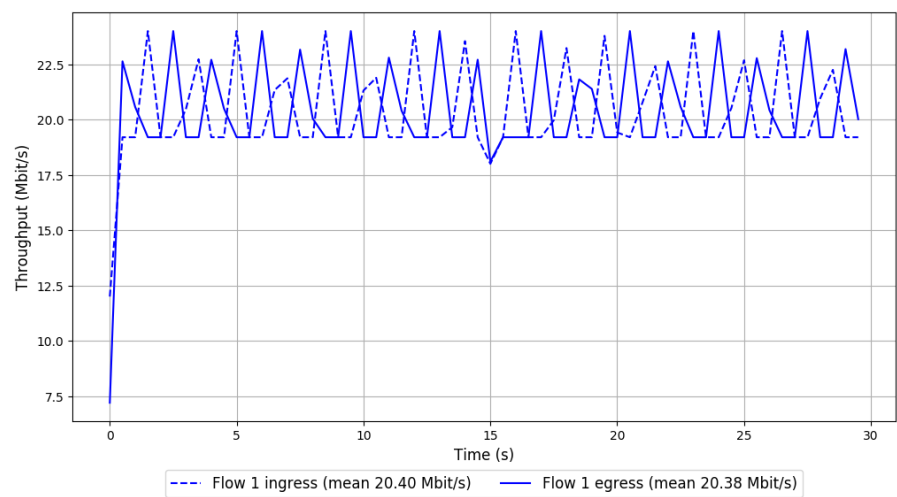
-- Flow 1:

Average throughput: 20.38 Mbit/s

95th percentile per-packet one-way delay: 59.421 ms

Loss rate: 0.10%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 20:06:08 +0000

End at: Mon, 24 Jul 2017 20:06:38 +0000

Local clock offset: 0.471 ms

Remote clock offset: 5.942 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 58.337 ms

Loss rate: 0.00%

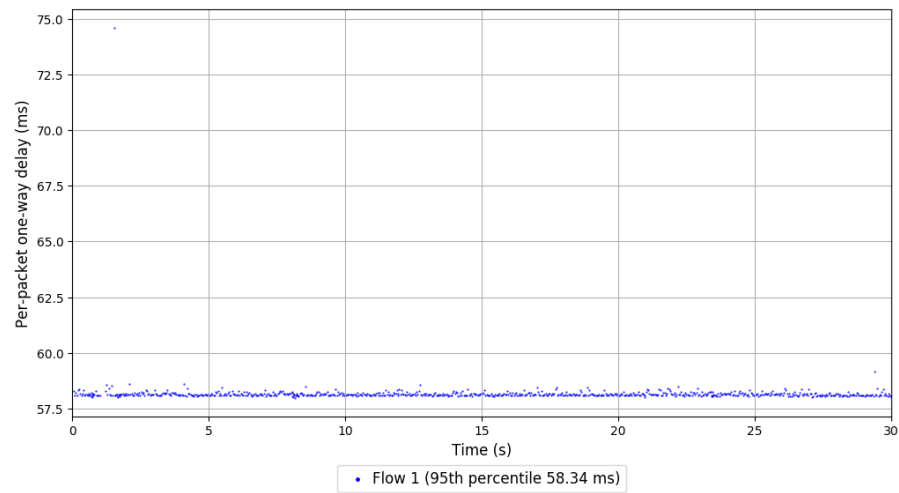
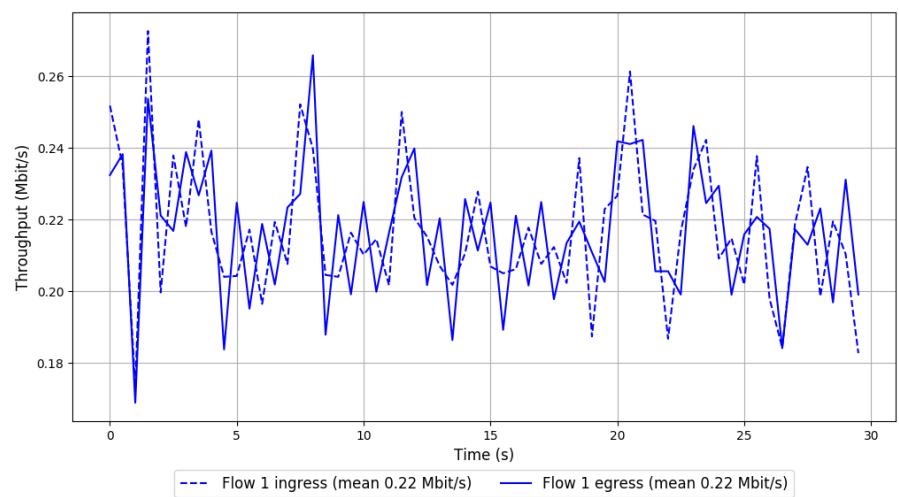
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 58.337 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 20:23:58 +0000

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

Local clock offset: 0.524 ms

Remote clock offset: 6.357 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 57.058 ms

Loss rate: 0.00%

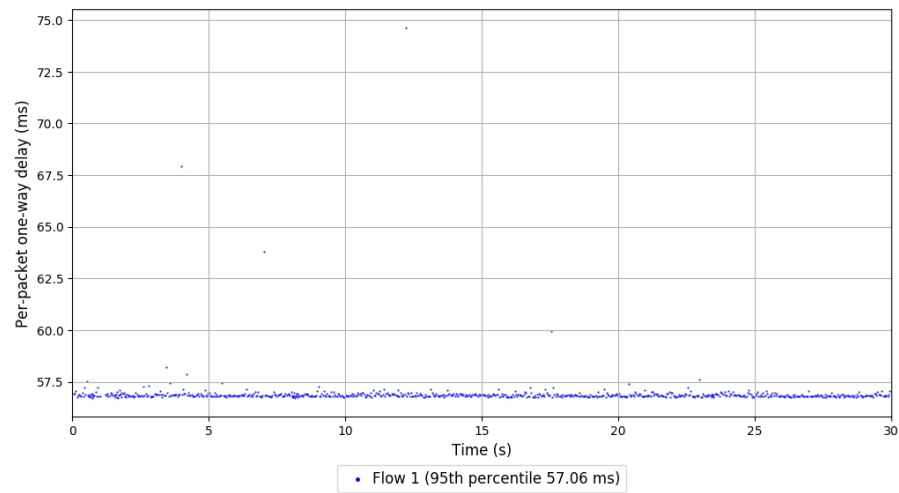
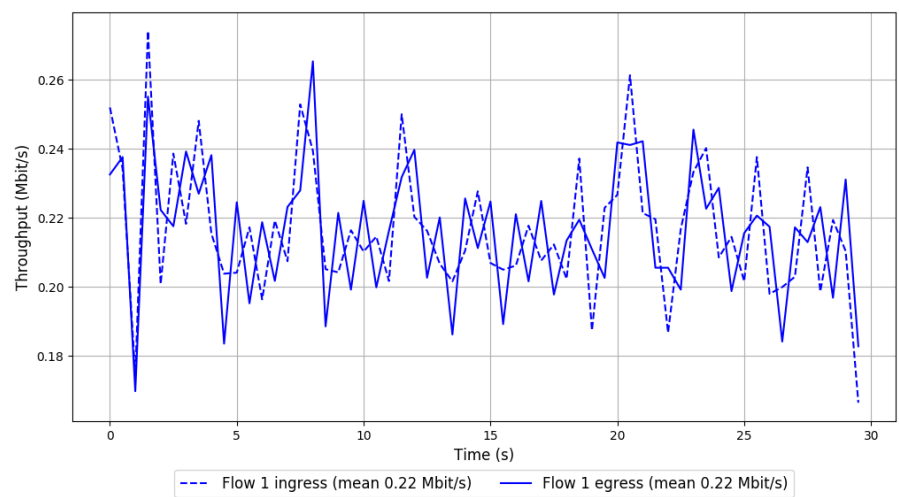
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 57.058 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 20:41:56 +0000

End at: Mon, 24 Jul 2017 20:42:26 +0000

Local clock offset: 0.503 ms

Remote clock offset: 5.879 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 57.954 ms

Loss rate: 0.00%

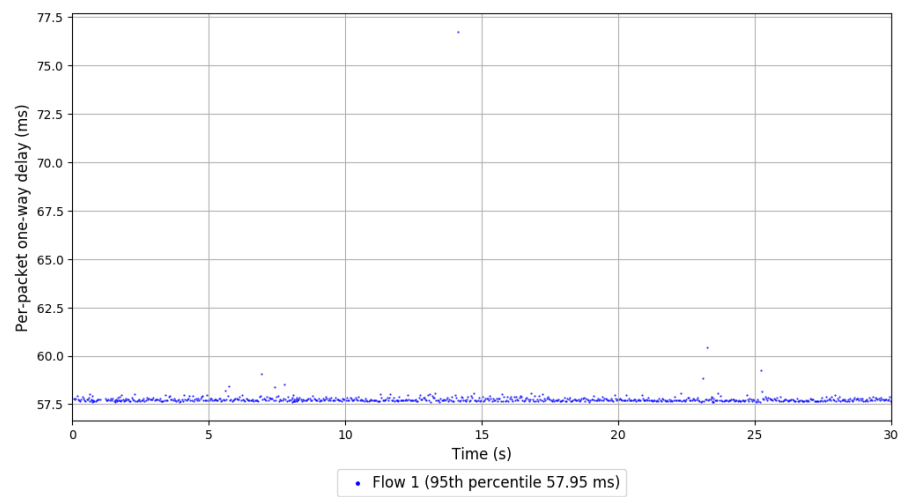
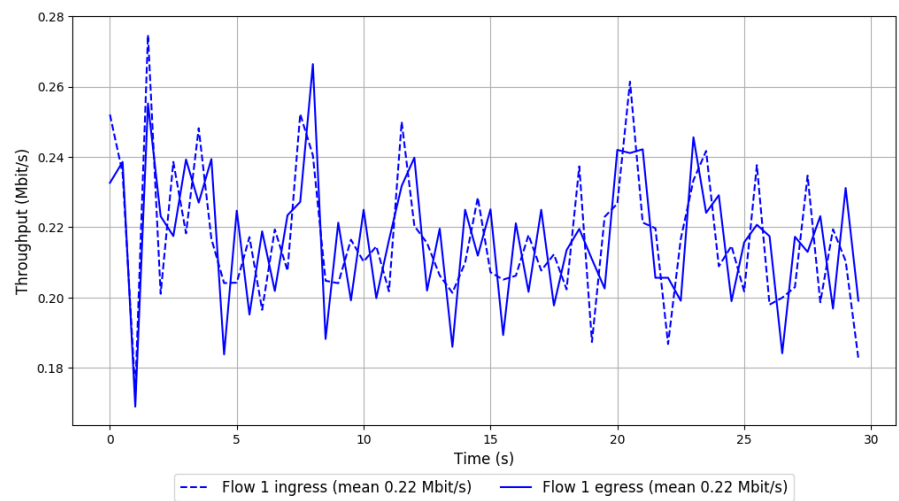
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 57.954 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 21:00:07 +0000

End at: Mon, 24 Jul 2017 21:00:37 +0000

Local clock offset: 0.469 ms

Remote clock offset: 6.075 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 57.611 ms

Loss rate: 0.00%

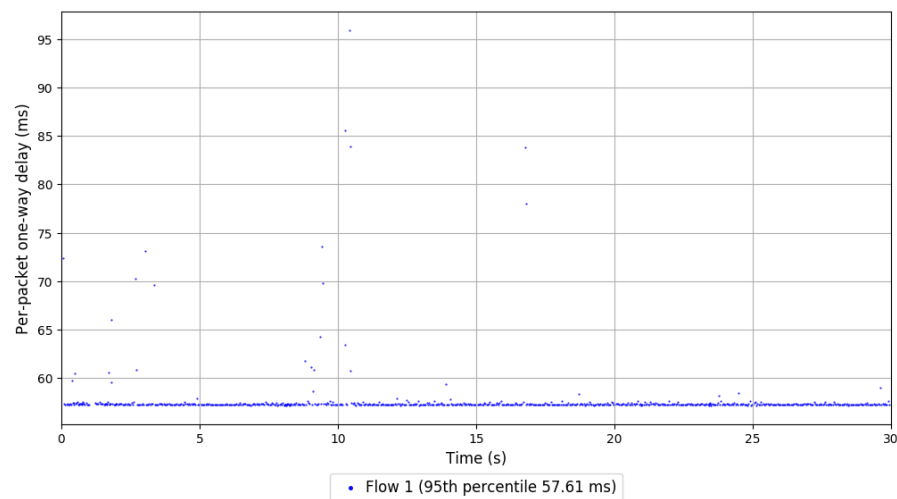
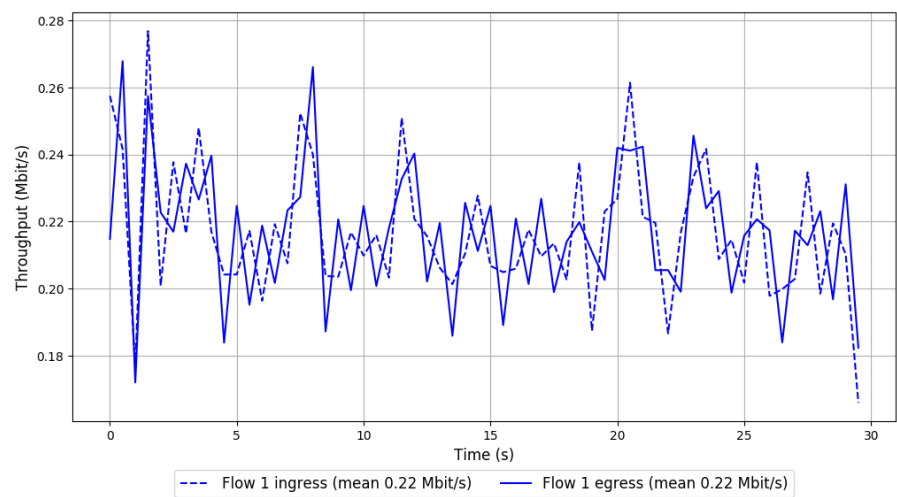
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 57.611 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 21:18:11 +0000

End at: Mon, 24 Jul 2017 21:18:41 +0000

Local clock offset: 0.427 ms

Remote clock offset: 6.317 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 56.909 ms

Loss rate: 0.00%

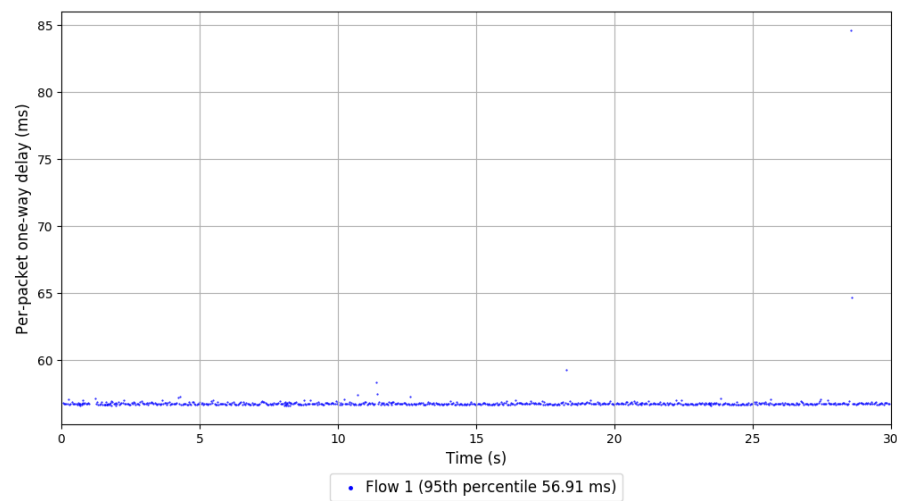
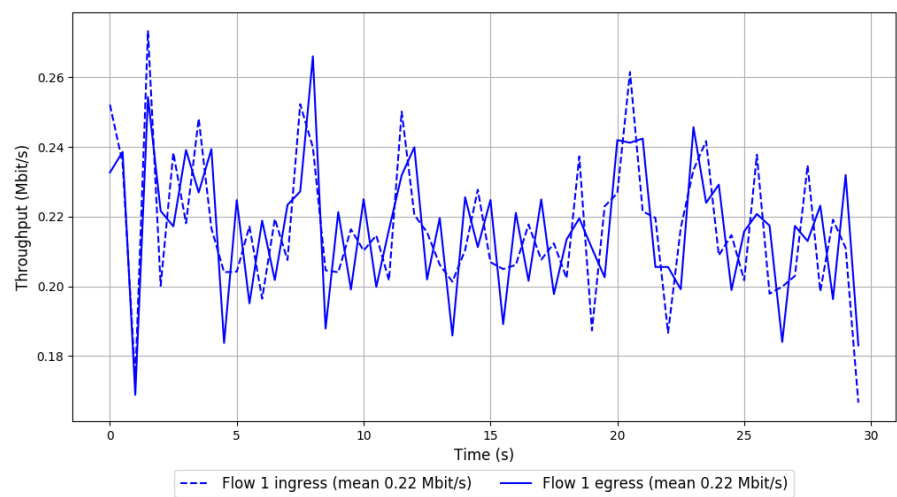
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 56.909 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 21:36:15 +0000

End at: Mon, 24 Jul 2017 21:36:45 +0000

Local clock offset: 0.396 ms

Remote clock offset: 5.962 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 57.584 ms

Loss rate: 0.00%

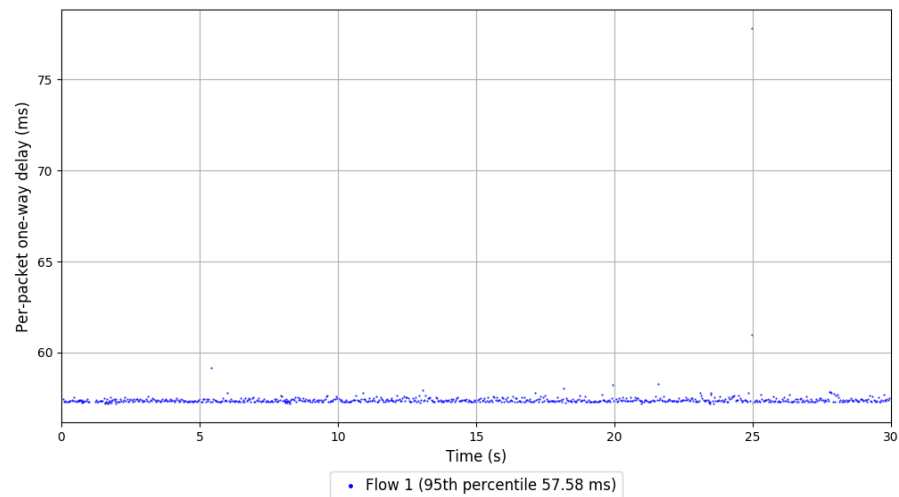
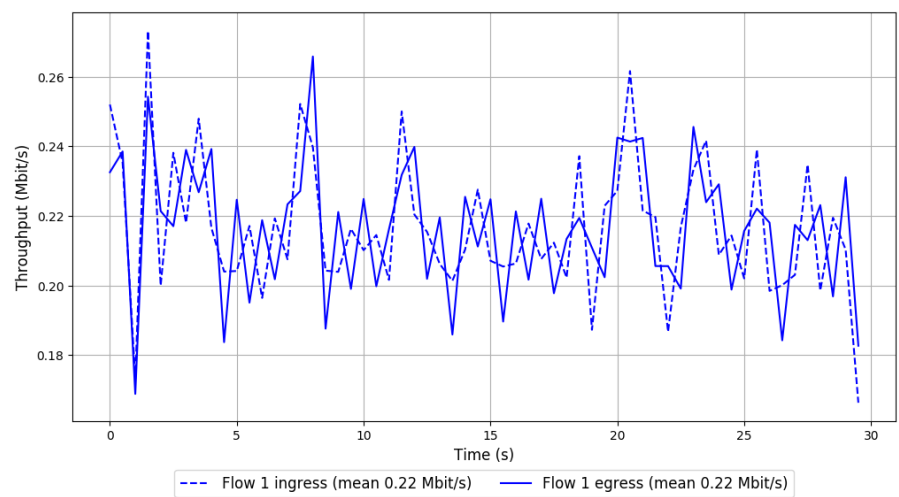
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 57.584 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

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

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

Local clock offset: 0.42 ms

Remote clock offset: 5.249 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 57.993 ms

Loss rate: 0.00%

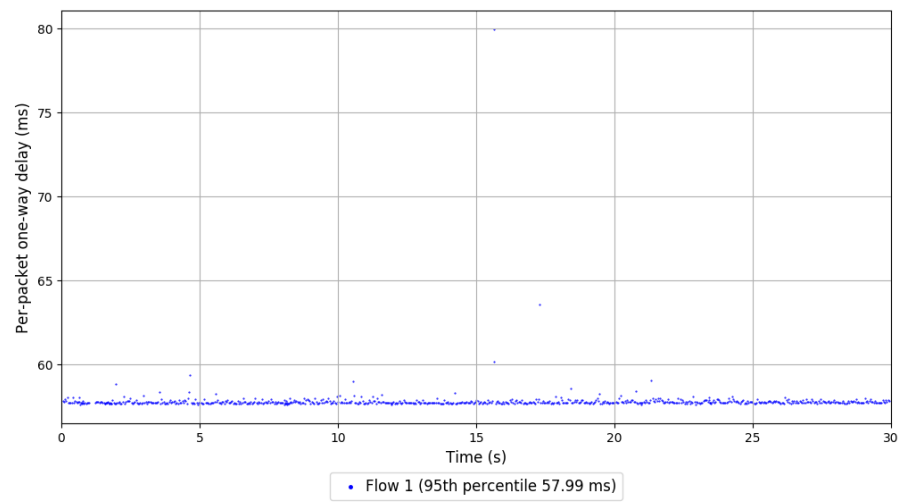
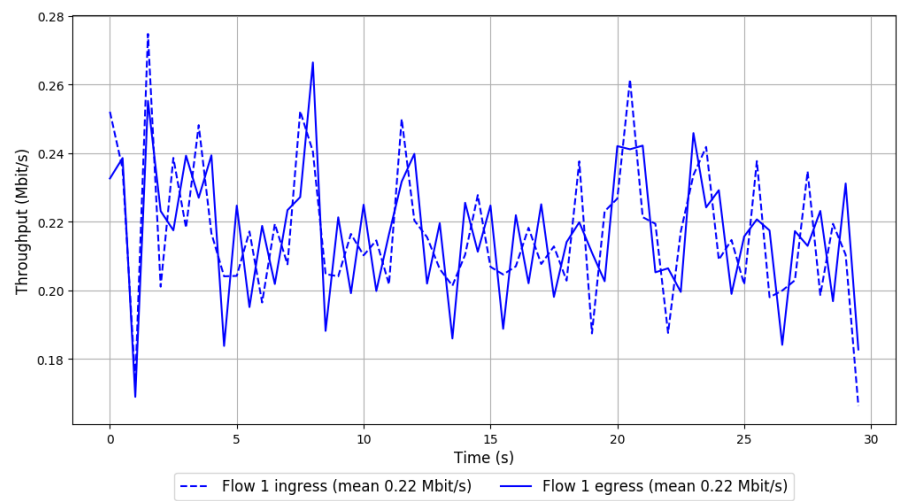
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 57.993 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 22:12:28 +0000

End at: Mon, 24 Jul 2017 22:12:58 +0000

Local clock offset: 0.396 ms

Remote clock offset: 4.499 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 58.233 ms

Loss rate: 0.00%

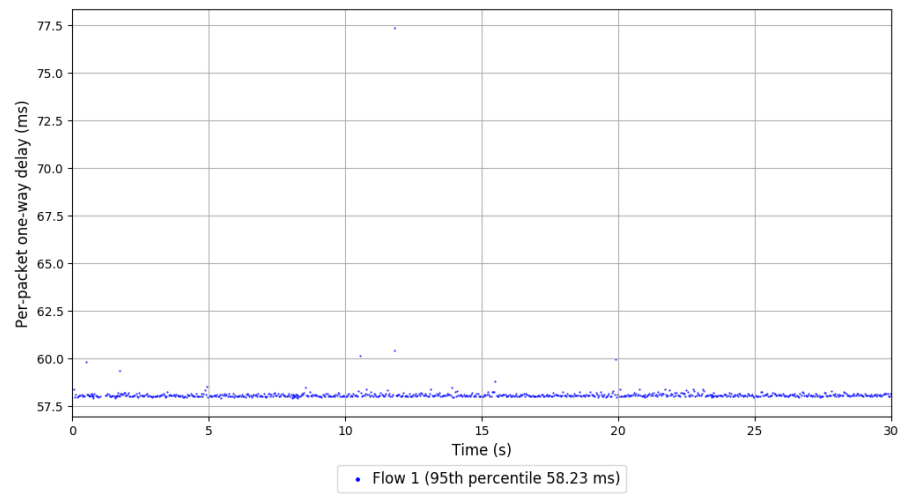
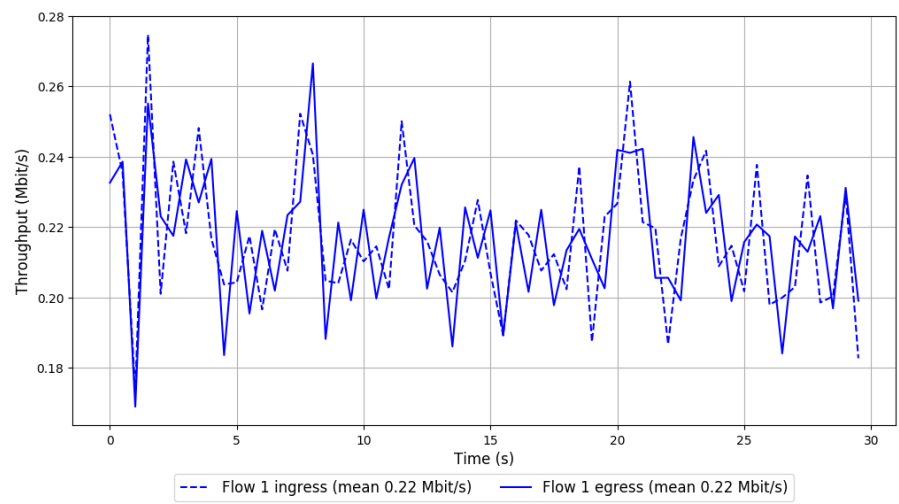
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 58.233 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 22:30:29 +0000

End at: Mon, 24 Jul 2017 22:30:59 +0000

Local clock offset: 0.392 ms

Remote clock offset: 3.688 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:39 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 57.313 ms

Loss rate: 0.00%

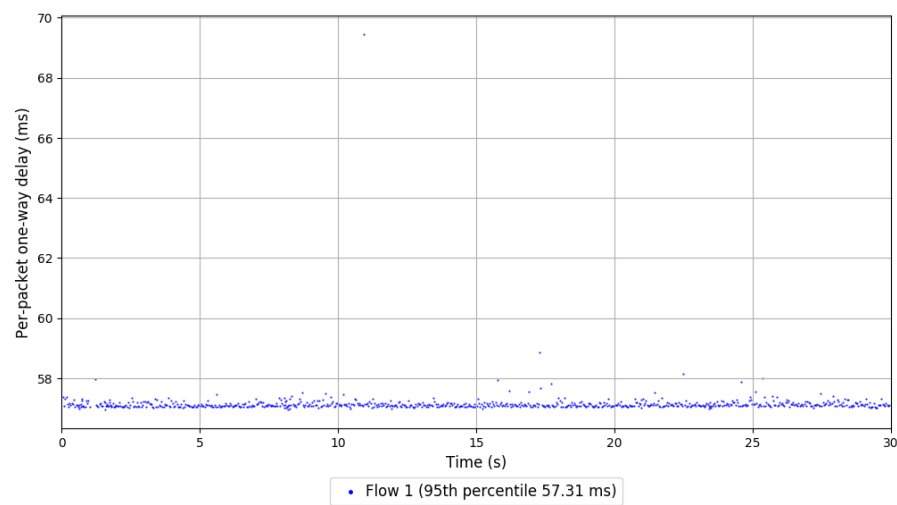
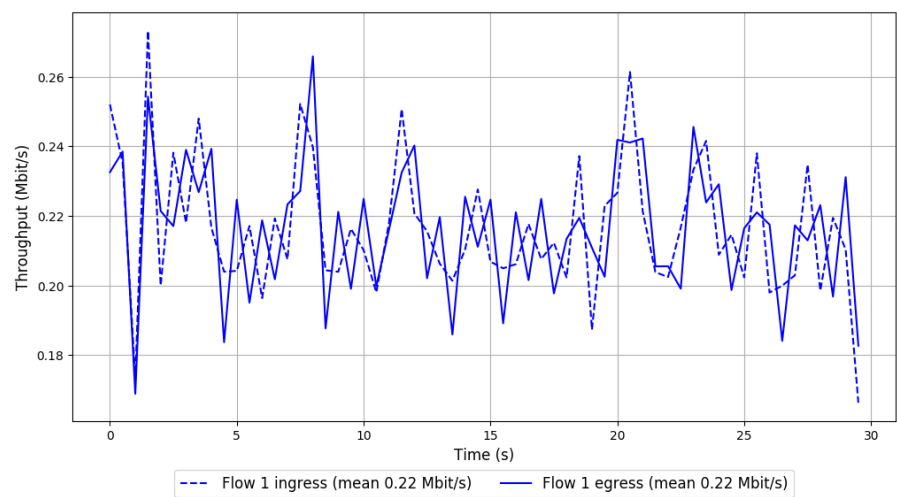
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 57.313 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 22:48:27 +0000

End at: Mon, 24 Jul 2017 22:48:57 +0000

Local clock offset: 0.357 ms

Remote clock offset: 3.176 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:39 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 58.901 ms

Loss rate: 0.00%

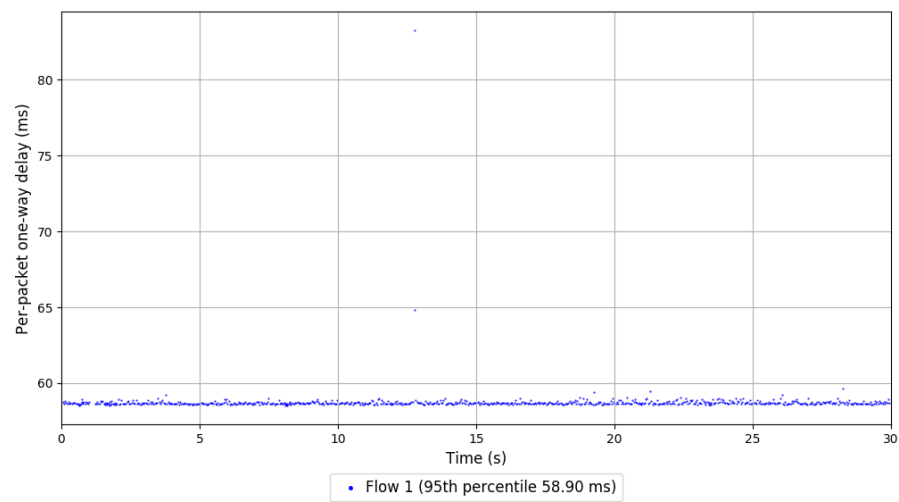
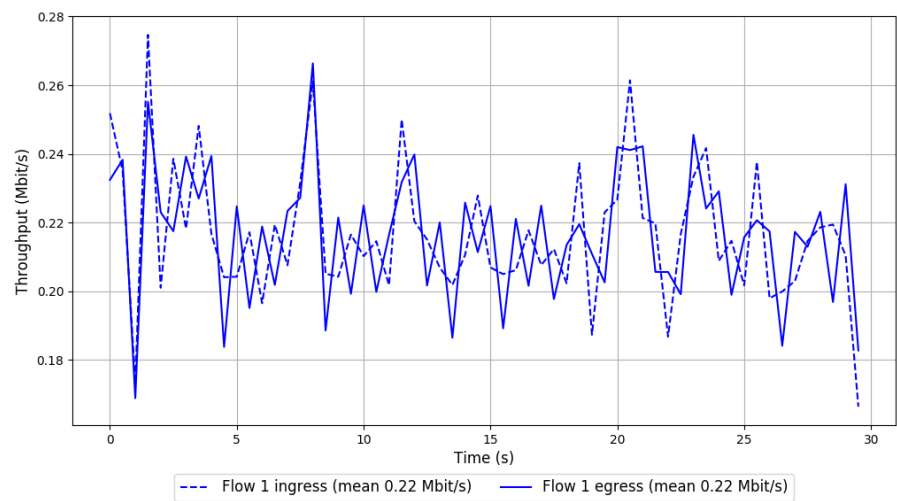
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 58.901 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Mon, 24 Jul 2017 20:03:45 +0000

End at: Mon, 24 Jul 2017 20:04:15 +0000

Local clock offset: 0.563 ms

Remote clock offset: 5.55 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:41 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.42 Mbit/s

95th percentile per-packet one-way delay: 58.192 ms

Loss rate: 0.00%

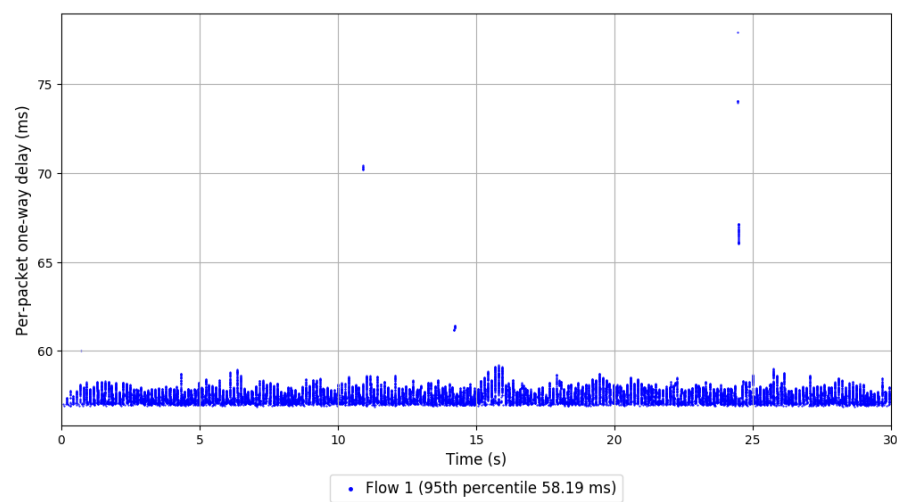
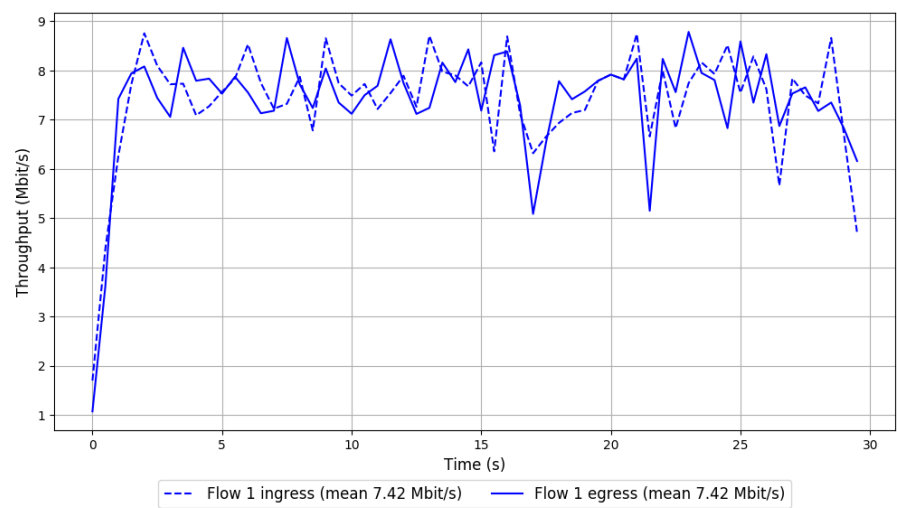
-- Flow 1:

Average throughput: 7.42 Mbit/s

95th percentile per-packet one-way delay: 58.192 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Mon, 24 Jul 2017 20:21:34 +0000

End at: Mon, 24 Jul 2017 20:22:04 +0000

Local clock offset: 0.561 ms

Remote clock offset: 6.2 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:41 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.25 Mbit/s

95th percentile per-packet one-way delay: 58.496 ms

Loss rate: 0.00%

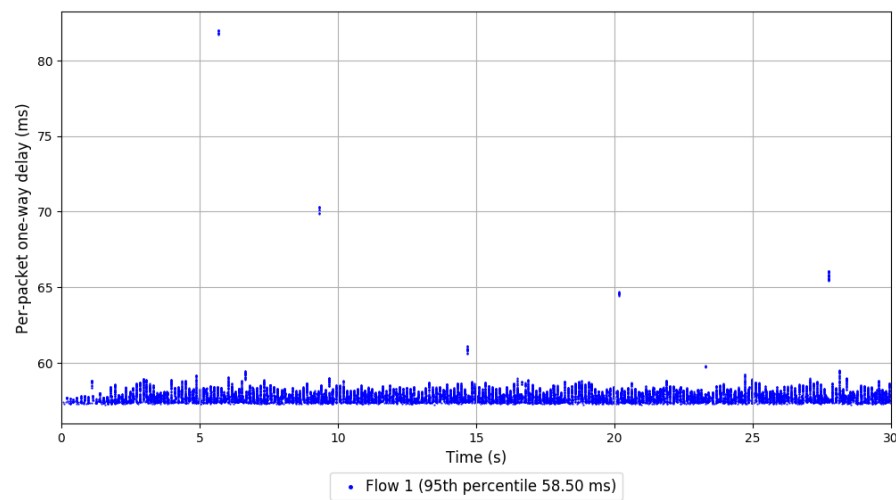
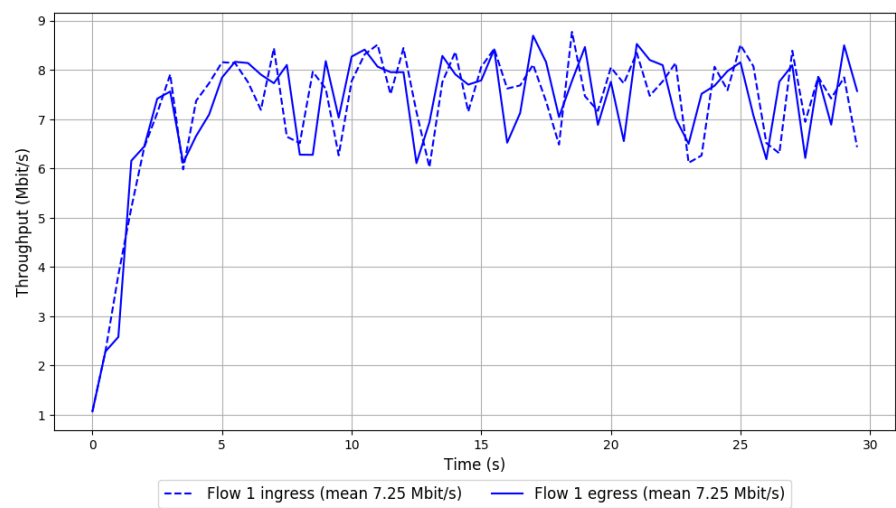
-- Flow 1:

Average throughput: 7.25 Mbit/s

95th percentile per-packet one-way delay: 58.496 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

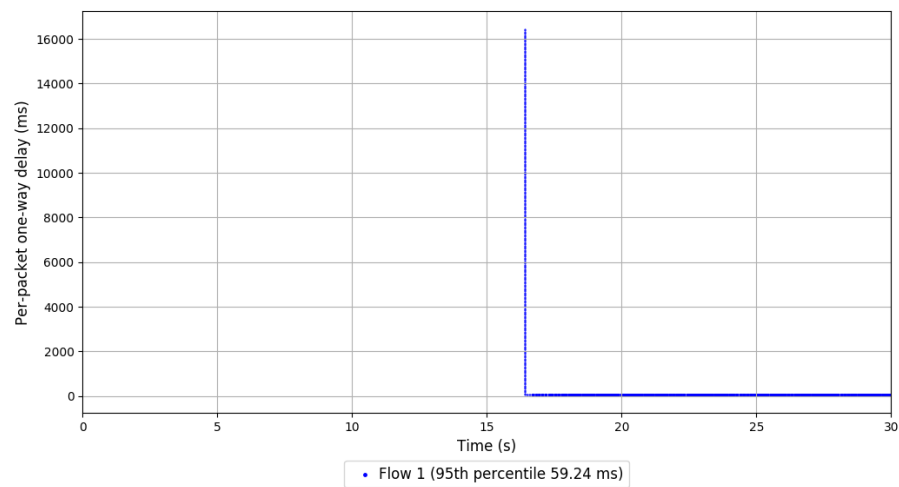
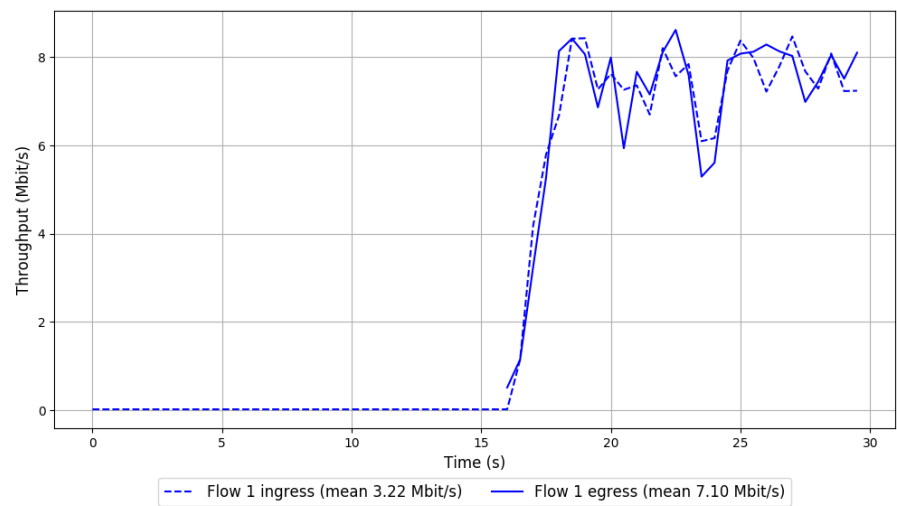
Start at: Mon, 24 Jul 2017 20:39:33 +0000

End at: Mon, 24 Jul 2017 20:40:03 +0000

Local clock offset: 0.54 ms

Remote clock offset: 6.069 ms

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Mon, 24 Jul 2017 20:57:38 +0000

End at: Mon, 24 Jul 2017 20:58:08 +0000

Local clock offset: 0.455 ms

Remote clock offset: 6.344 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.97 Mbit/s

95th percentile per-packet one-way delay: 58.511 ms

Loss rate: 0.00%

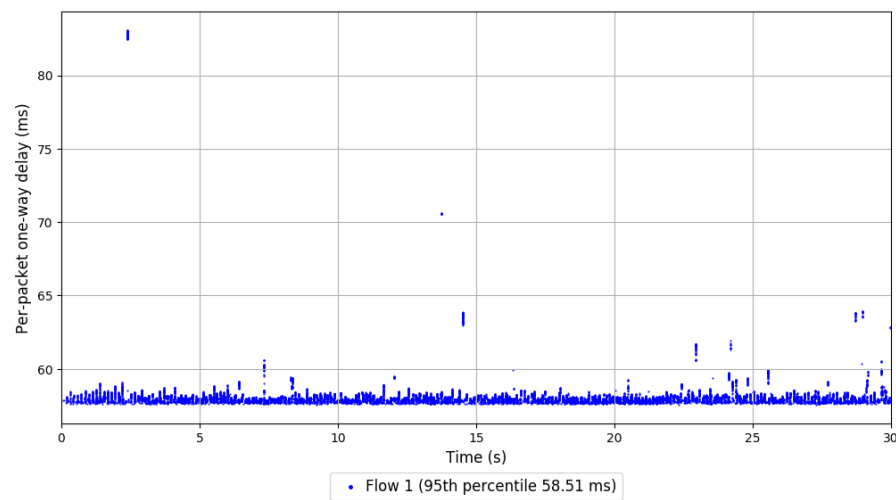
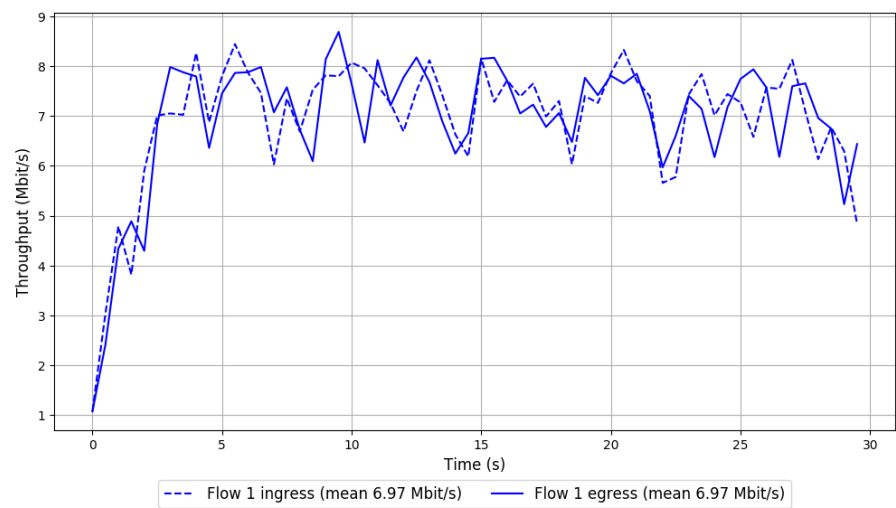
-- Flow 1:

Average throughput: 6.97 Mbit/s

95th percentile per-packet one-way delay: 58.511 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

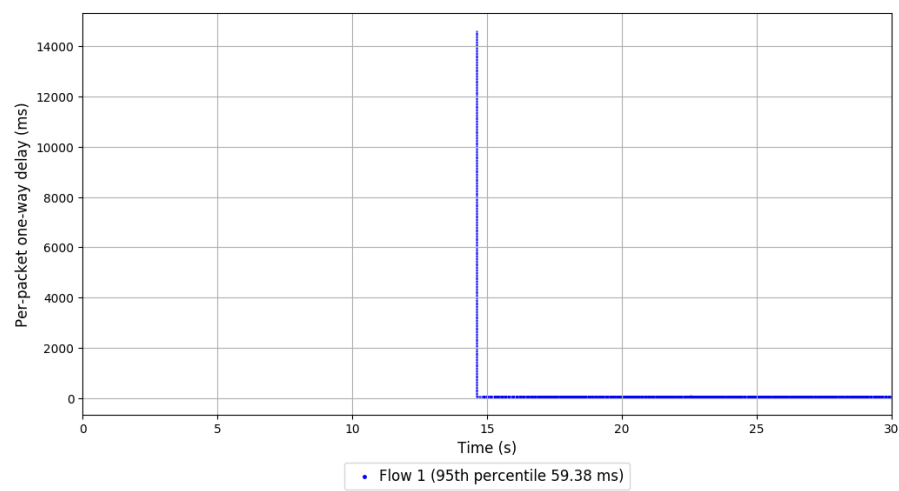
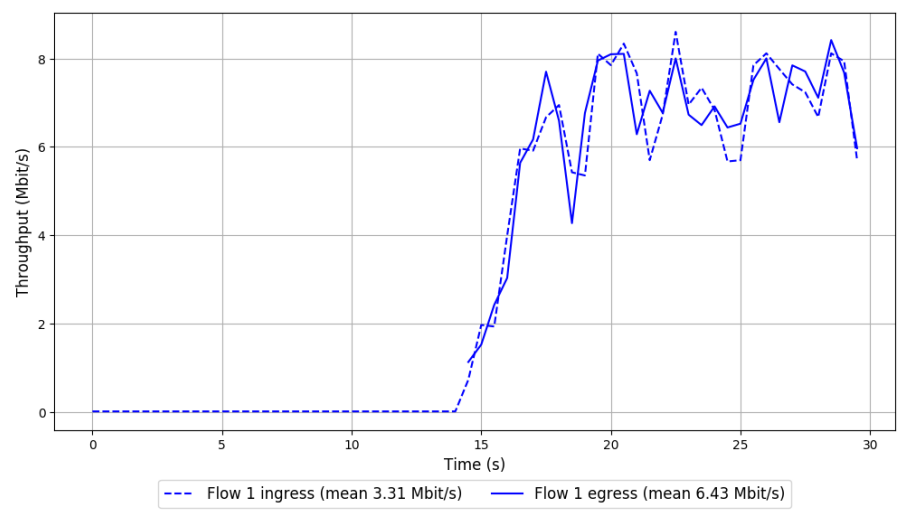
Start at: Mon, 24 Jul 2017 21:15:47 +0000

End at: Mon, 24 Jul 2017 21:16:17 +0000

Local clock offset: 0.441 ms

Remote clock offset: 6.533 ms

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

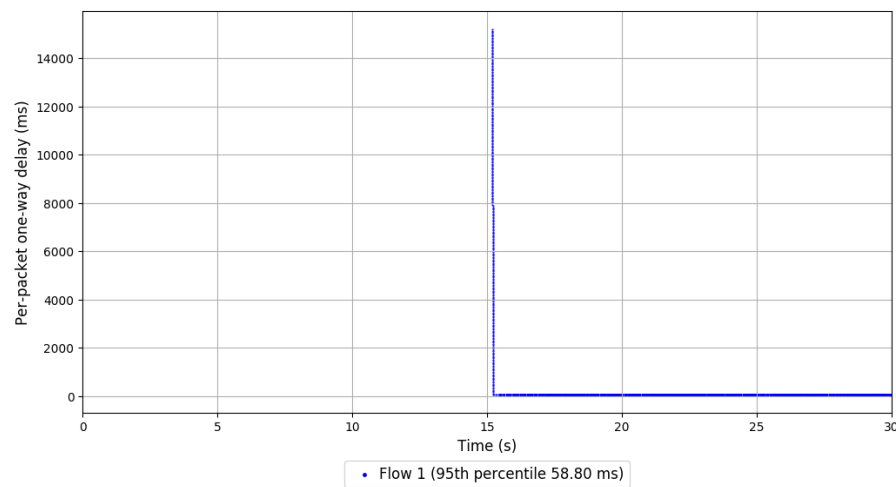
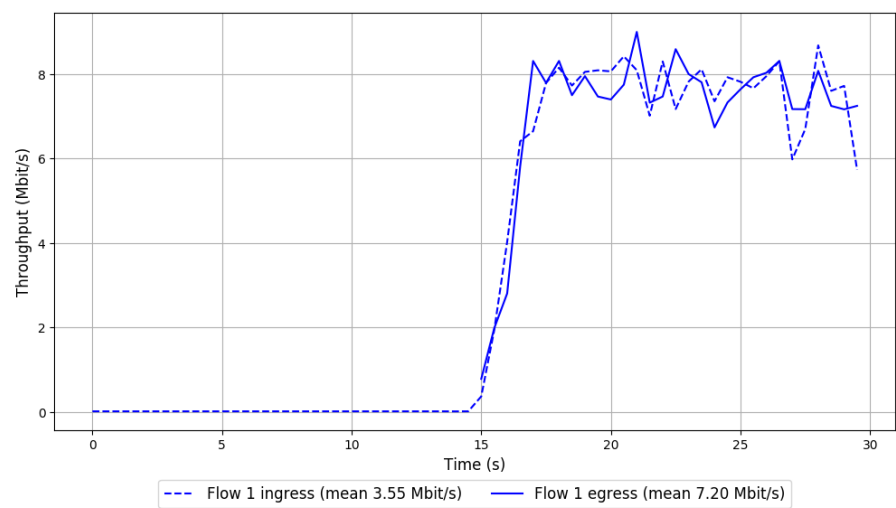
Start at: Mon, 24 Jul 2017 21:33:52 +0000

End at: Mon, 24 Jul 2017 21:34:22 +0000

Local clock offset: 0.337 ms

Remote clock offset: 5.847 ms

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

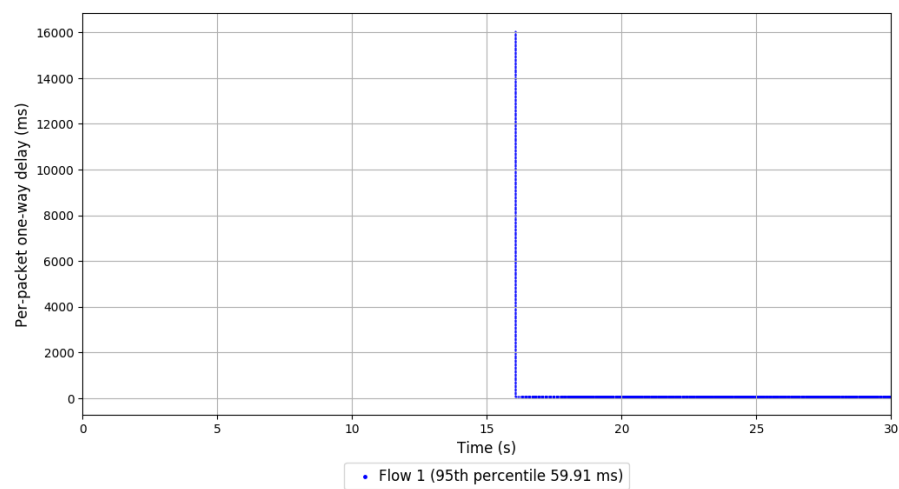
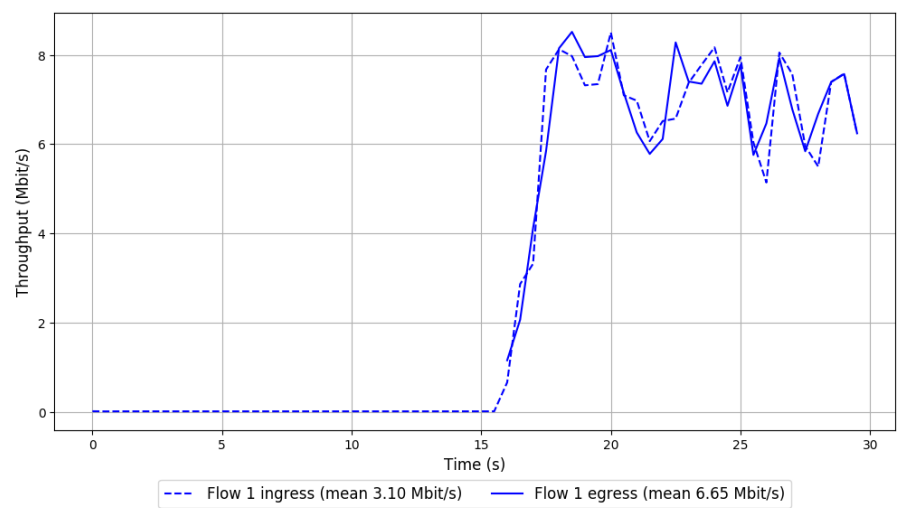
Start at: Mon, 24 Jul 2017 21:51:55 +0000

End at: Mon, 24 Jul 2017 21:52:25 +0000

Local clock offset: 0.429 ms

Remote clock offset: 5.853 ms

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Mon, 24 Jul 2017 22:10:05 +0000

End at: Mon, 24 Jul 2017 22:10:35 +0000

Local clock offset: 0.403 ms

Remote clock offset: 4.786 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.33 Mbit/s

95th percentile per-packet one-way delay: 58.472 ms

Loss rate: 0.14%

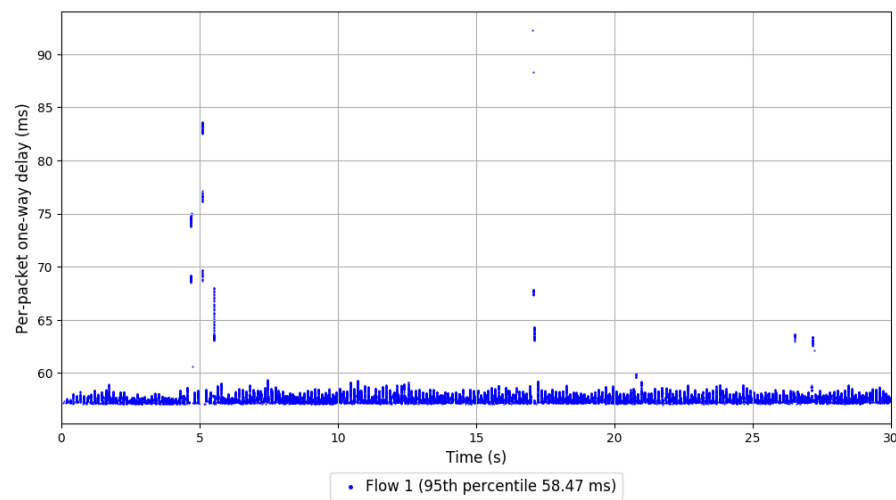
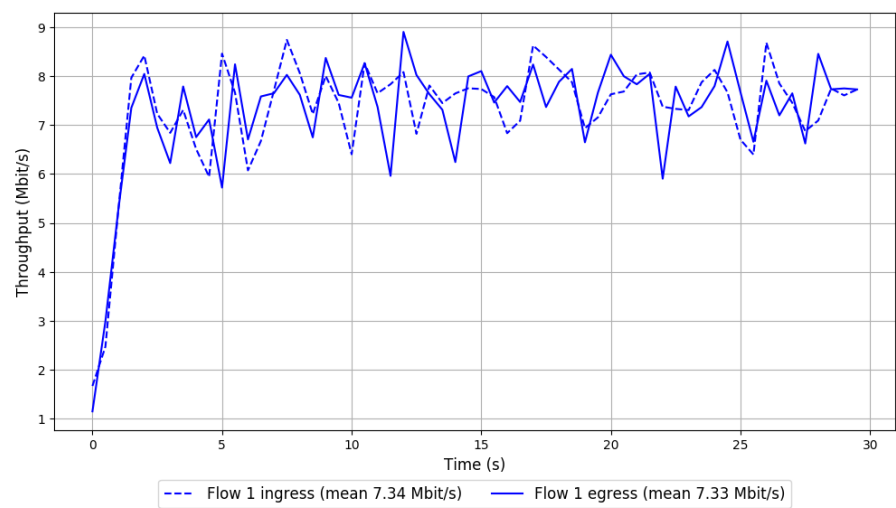
-- Flow 1:

Average throughput: 7.33 Mbit/s

95th percentile per-packet one-way delay: 58.472 ms

Loss rate: 0.14%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Mon, 24 Jul 2017 22:28:06 +0000

End at: Mon, 24 Jul 2017 22:28:36 +0000

Local clock offset: 0.408 ms

Remote clock offset: 3.997 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:47 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.03 Mbit/s

95th percentile per-packet one-way delay: 57.834 ms

Loss rate: 0.00%

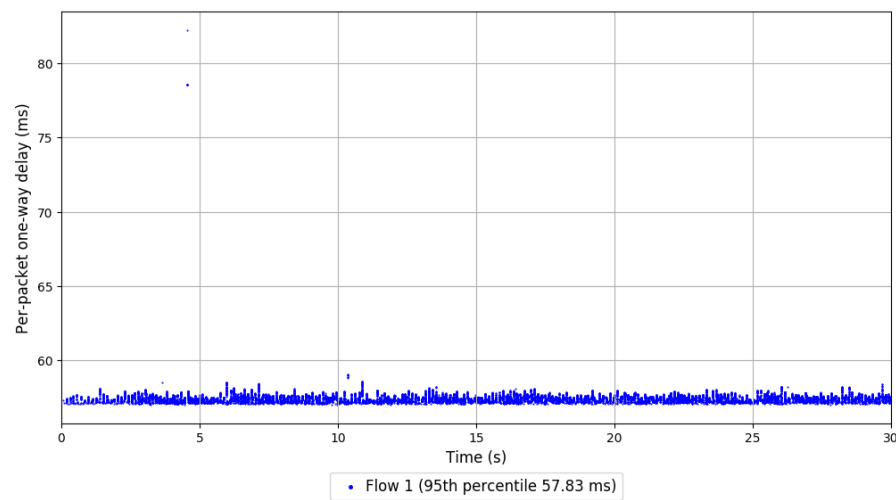
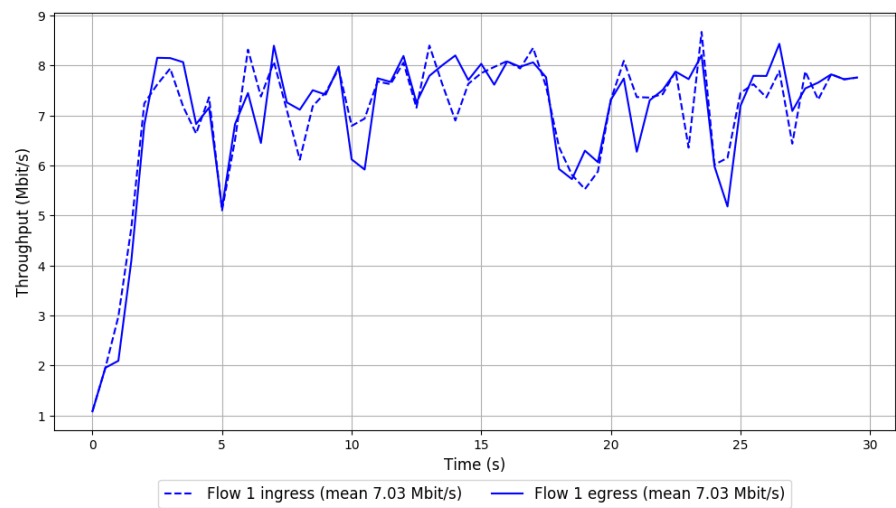
-- Flow 1:

Average throughput: 7.03 Mbit/s

95th percentile per-packet one-way delay: 57.834 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Mon, 24 Jul 2017 22:46:04 +0000

End at: Mon, 24 Jul 2017 22:46:34 +0000

Local clock offset: 0.372 ms

Remote clock offset: 3.104 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:23:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 57.911 ms

Loss rate: 0.04%

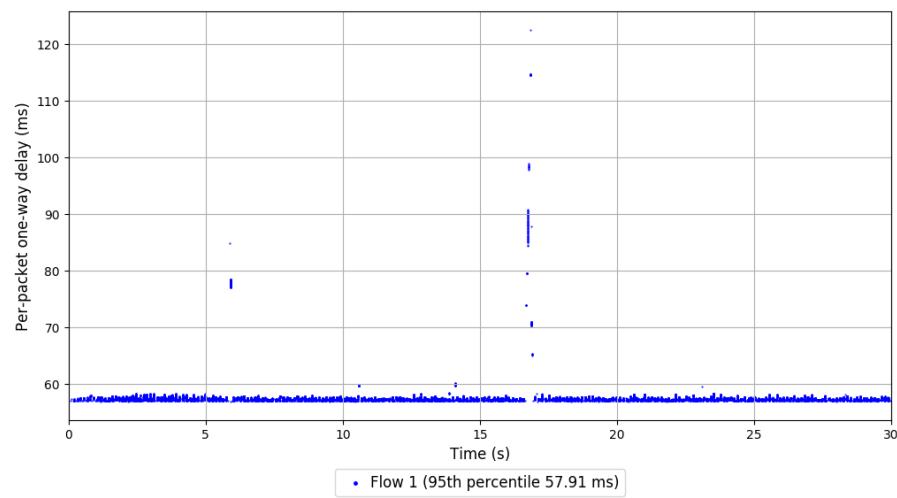
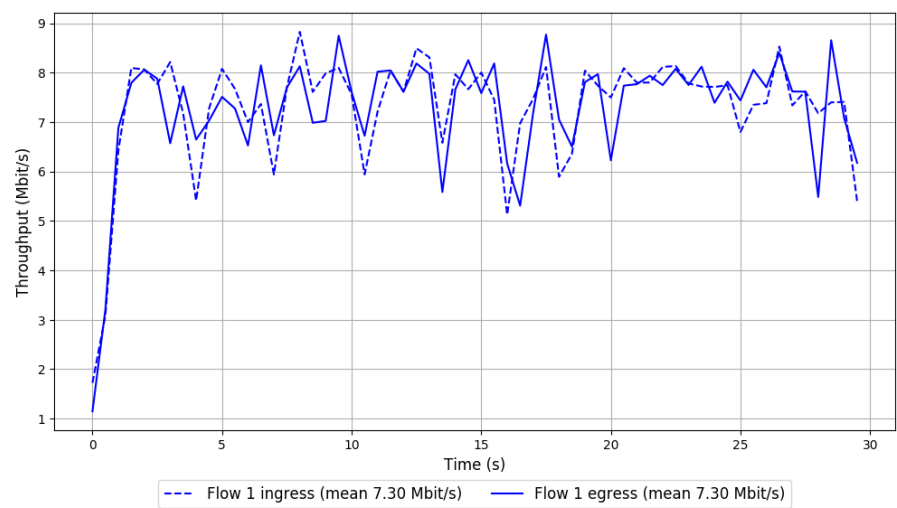
-- Flow 1:

Average throughput: 7.30 Mbit/s

95th percentile per-packet one-way delay: 57.911 ms

Loss rate: 0.04%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

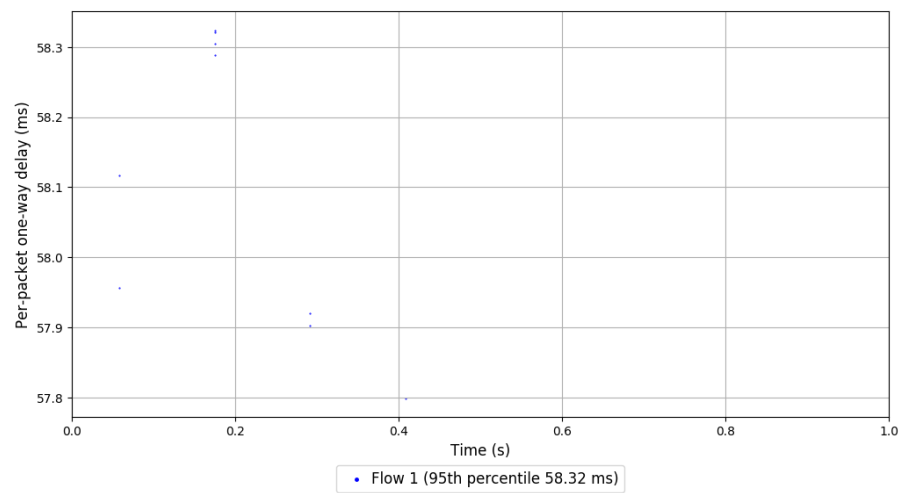
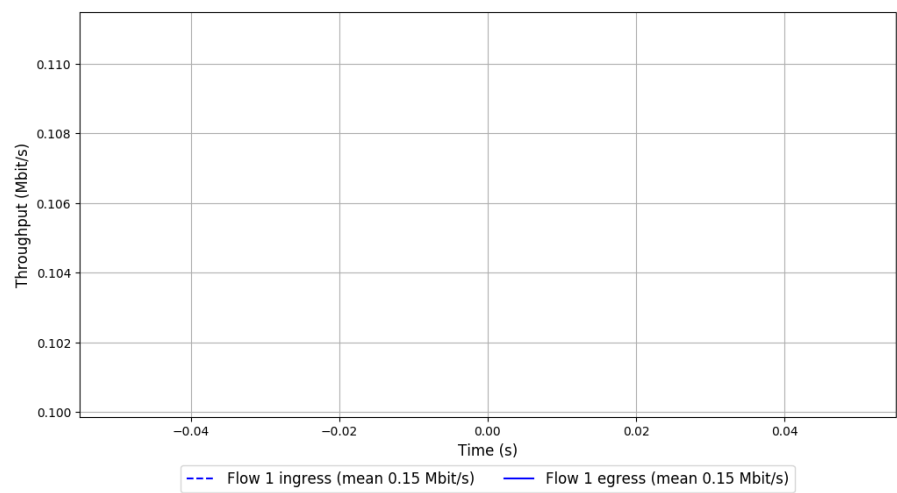
Start at: Mon, 24 Jul 2017 20:16:58 +0000

End at: Mon, 24 Jul 2017 20:17:28 +0000

Local clock offset: 0.527 ms

Remote clock offset: 5.867 ms

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



Run 2: Statistics of TaoVA-100x

Start at: Mon, 24 Jul 2017 20:34:49 +0000

End at: Mon, 24 Jul 2017 20:35:19 +0000

Local clock offset: 0.549 ms

Remote clock offset: 5.82 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:24:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.16 Mbit/s

95th percentile per-packet one-way delay: 103.071 ms

Loss rate: 0.05%

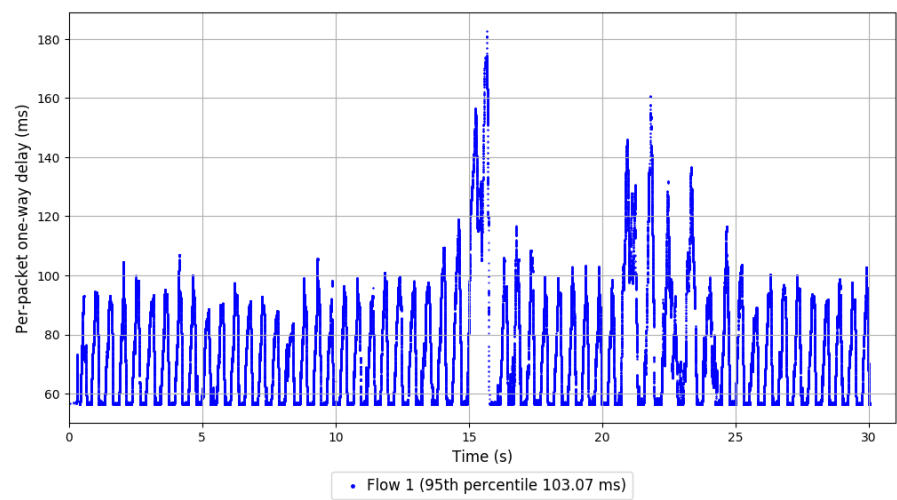
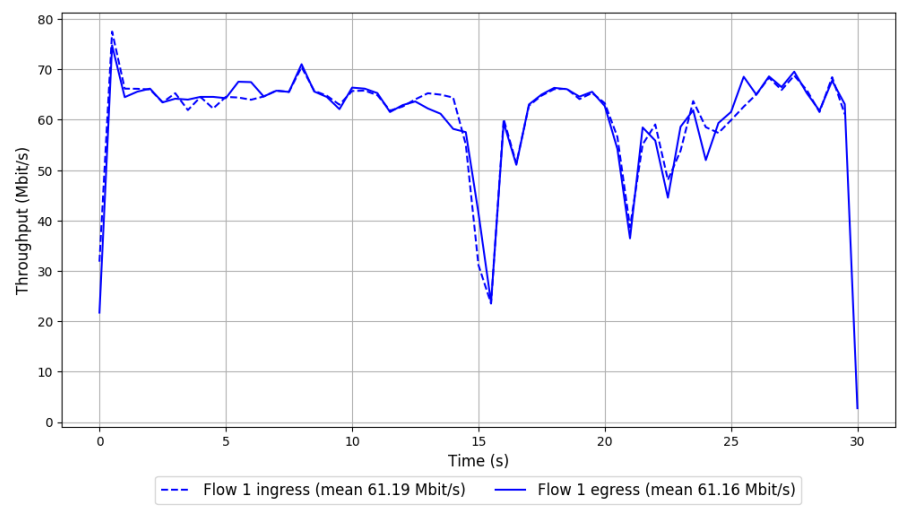
-- Flow 1:

Average throughput: 61.16 Mbit/s

95th percentile per-packet one-way delay: 103.071 ms

Loss rate: 0.05%

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



Run 3: Statistics of TaoVA-100x

Start at: Mon, 24 Jul 2017 20:52:53 +0000

End at: Mon, 24 Jul 2017 20:53:23 +0000

Local clock offset: 0.496 ms

Remote clock offset: 6.319 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:24:05 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.85 Mbit/s

95th percentile per-packet one-way delay: 97.900 ms

Loss rate: 0.01%

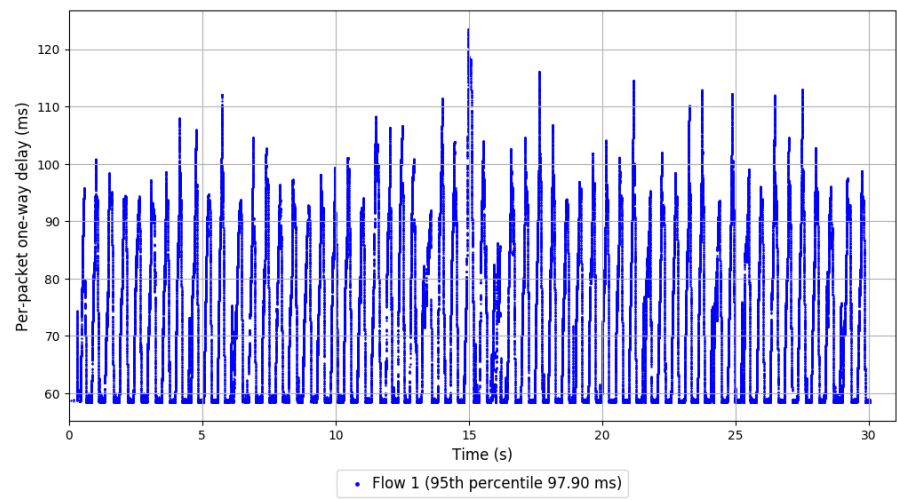
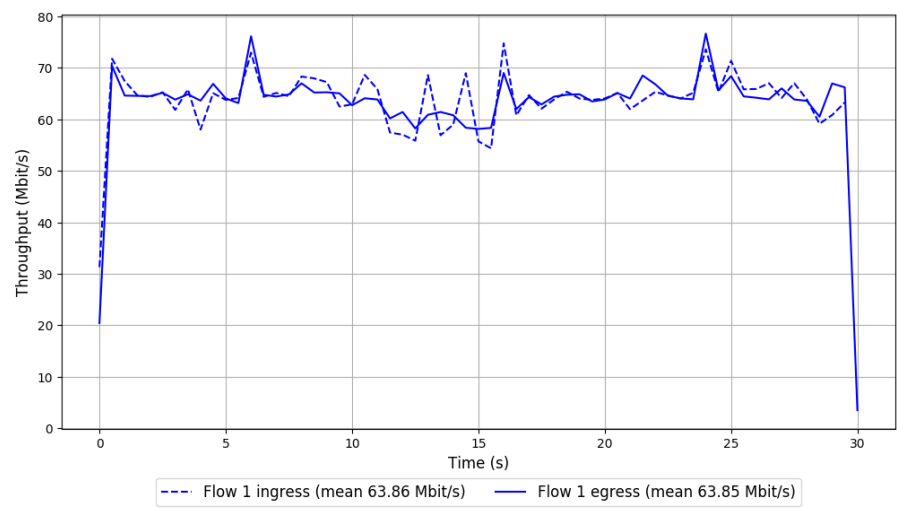
-- Flow 1:

Average throughput: 63.85 Mbit/s

95th percentile per-packet one-way delay: 97.900 ms

Loss rate: 0.01%

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



Run 4: Statistics of TaoVA-100x

Start at: Mon, 24 Jul 2017 21:11:02 +0000

End at: Mon, 24 Jul 2017 21:11:32 +0000

Local clock offset: 0.466 ms

Remote clock offset: 6.514 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:24:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.89 Mbit/s

95th percentile per-packet one-way delay: 99.215 ms

Loss rate: 0.00%

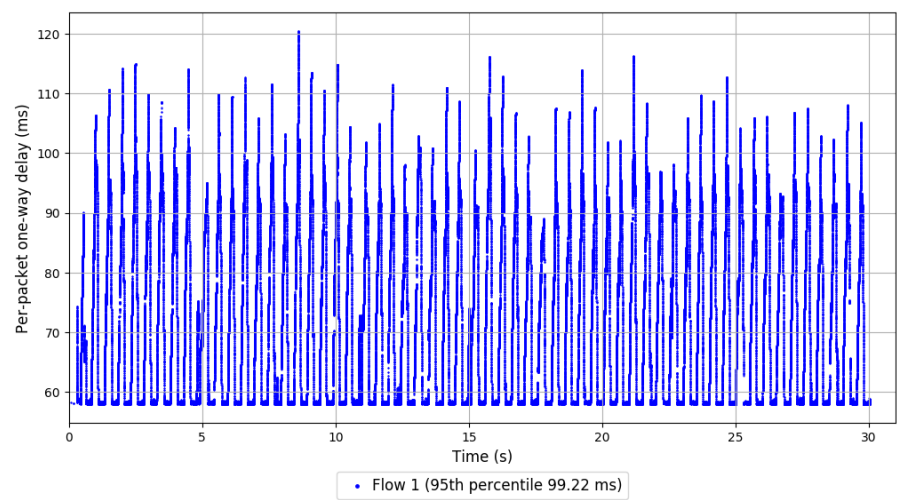
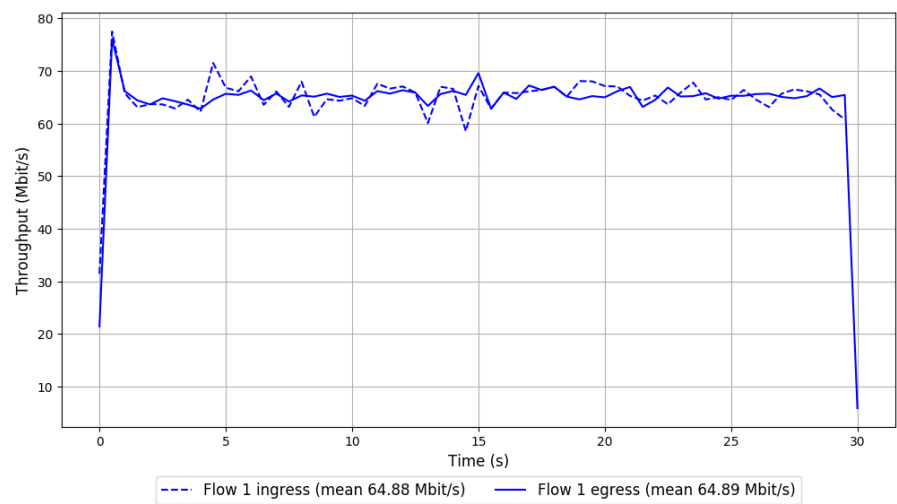
-- Flow 1:

Average throughput: 64.89 Mbit/s

95th percentile per-packet one-way delay: 99.215 ms

Loss rate: 0.00%

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



Run 5: Statistics of TaoVA-100x

Start at: Mon, 24 Jul 2017 21:29:08 +0000

End at: Mon, 24 Jul 2017 21:29:39 +0000

Local clock offset: 0.418 ms

Remote clock offset: 6.485 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:24:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 65.59 Mbit/s

95th percentile per-packet one-way delay: 93.726 ms

Loss rate: 0.01%

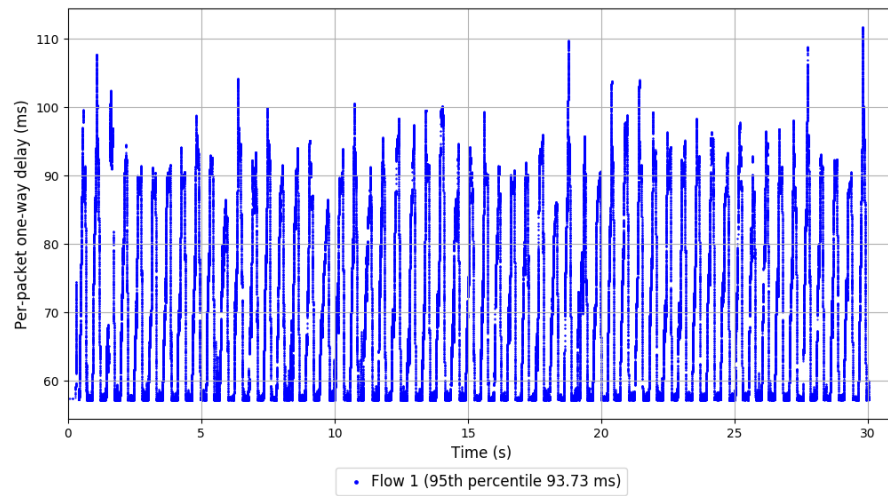
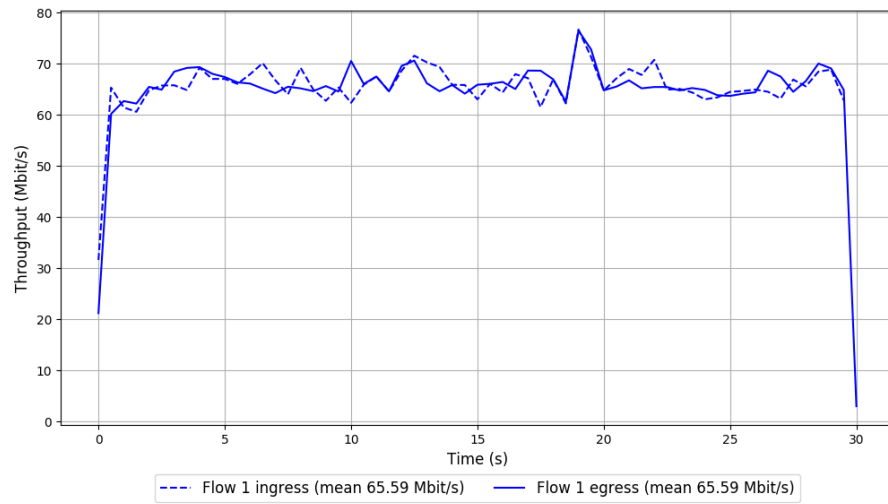
-- Flow 1:

Average throughput: 65.59 Mbit/s

95th percentile per-packet one-way delay: 93.726 ms

Loss rate: 0.01%

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



Run 6: Statistics of TaoVA-100x

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

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

Local clock offset: 0.427 ms

Remote clock offset: 5.827 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:24:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.23 Mbit/s

95th percentile per-packet one-way delay: 98.376 ms

Loss rate: 0.09%

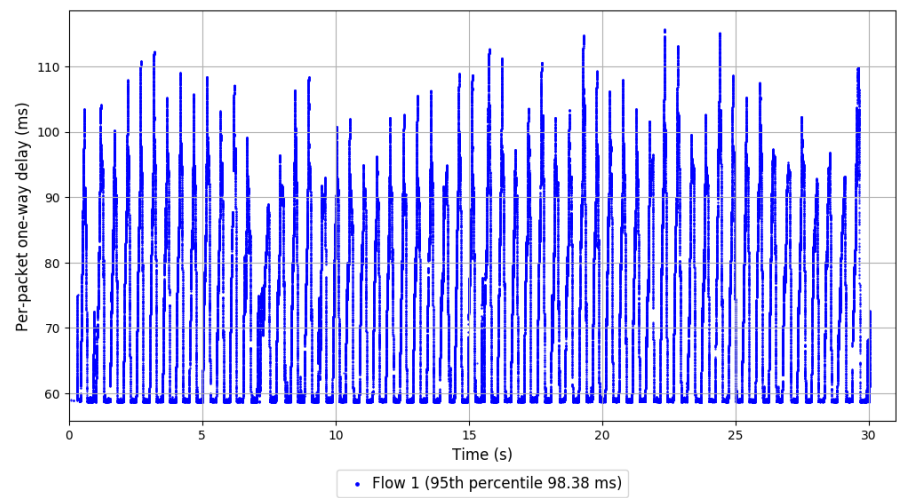
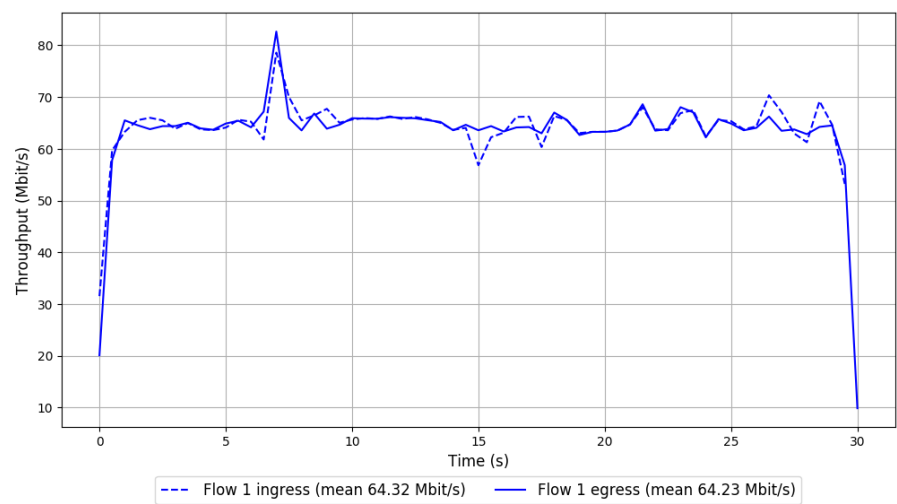
-- Flow 1:

Average throughput: 64.23 Mbit/s

95th percentile per-packet one-way delay: 98.376 ms

Loss rate: 0.09%

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



Run 7: Statistics of TaoVA-100x

Start at: Mon, 24 Jul 2017 22:05:20 +0000

End at: Mon, 24 Jul 2017 22:05:50 +0000

Local clock offset: 0.43 ms

Remote clock offset: 5.291 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:24:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.93 Mbit/s

95th percentile per-packet one-way delay: 95.137 ms

Loss rate: 1.28%

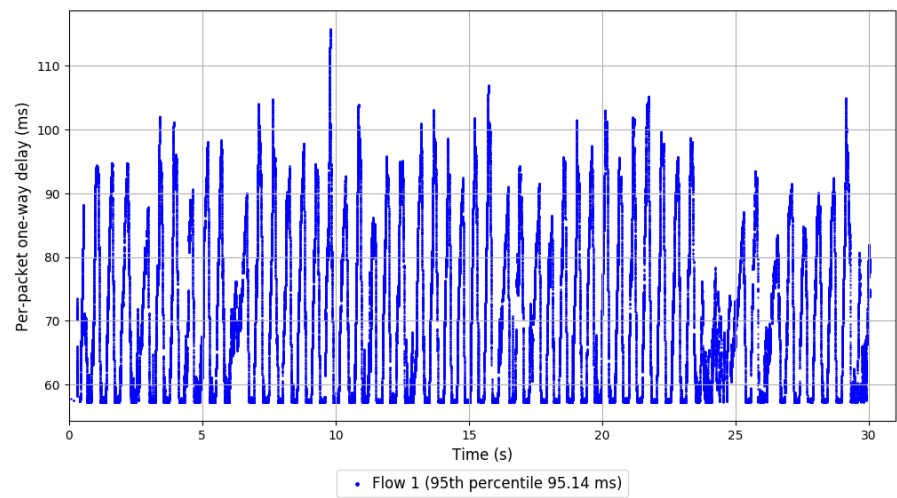
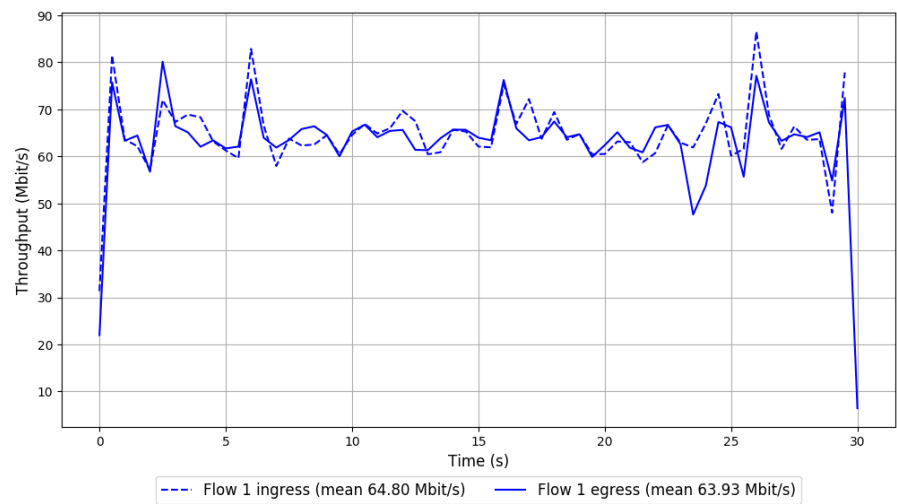
-- Flow 1:

Average throughput: 63.93 Mbit/s

95th percentile per-packet one-way delay: 95.137 ms

Loss rate: 1.28%

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



Run 8: Statistics of TaoVA-100x

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

End at: Mon, 24 Jul 2017 22:23:51 +0000

Local clock offset: 0.389 ms

Remote clock offset: 4.05 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:24:53 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 60.03 Mbit/s

95th percentile per-packet one-way delay: 93.467 ms

Loss rate: 3.32%

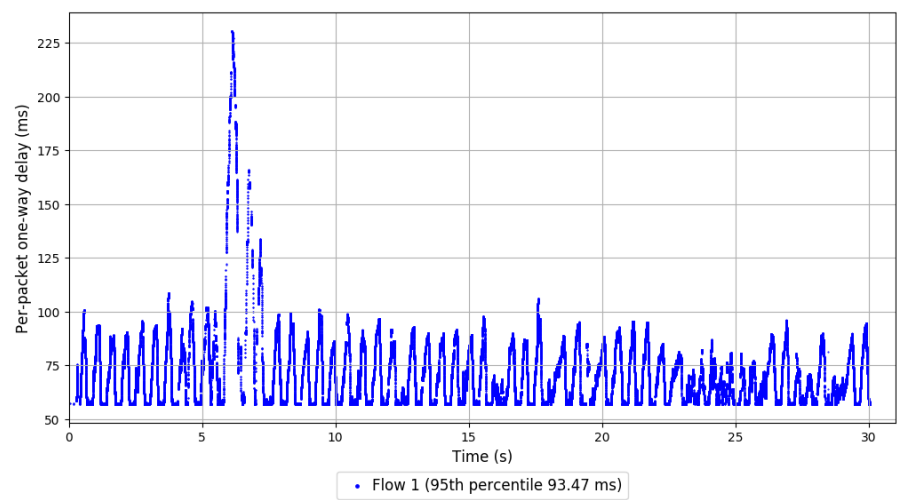
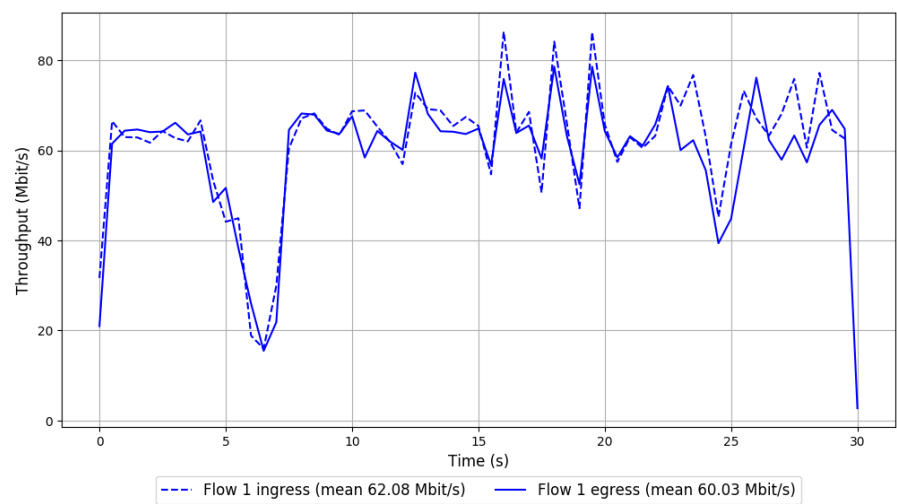
-- Flow 1:

Average throughput: 60.03 Mbit/s

95th percentile per-packet one-way delay: 93.467 ms

Loss rate: 3.32%

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



Run 9: Statistics of TaoVA-100x

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

End at: Mon, 24 Jul 2017 22:41:52 +0000

Local clock offset: 0.299 ms

Remote clock offset: 3.716 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:24:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 62.42 Mbit/s

95th percentile per-packet one-way delay: 97.273 ms

Loss rate: 1.12%

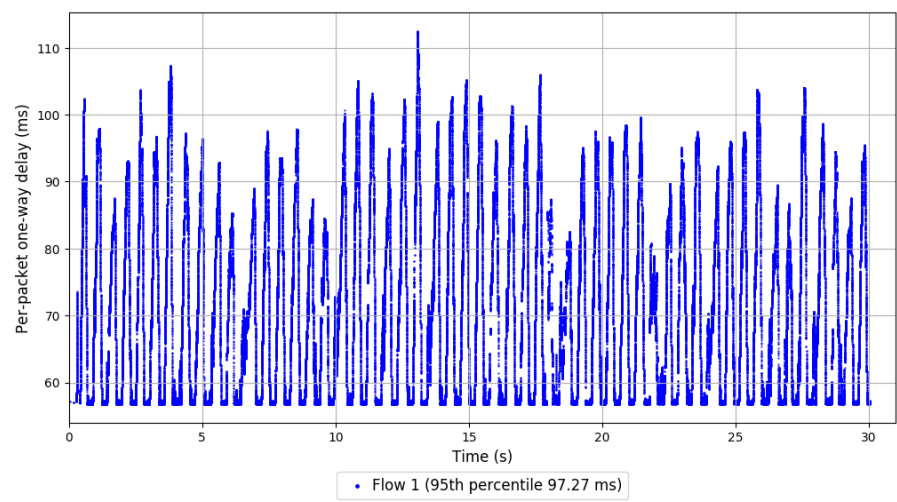
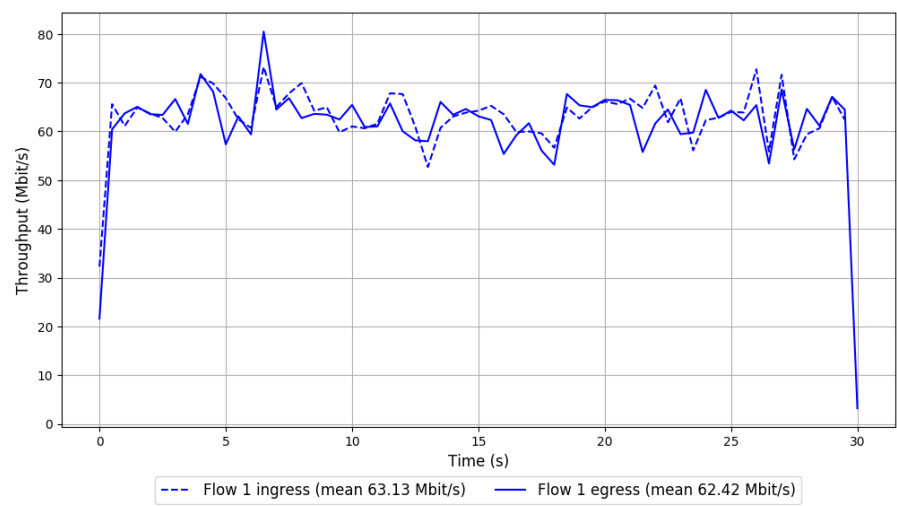
-- Flow 1:

Average throughput: 62.42 Mbit/s

95th percentile per-packet one-way delay: 97.273 ms

Loss rate: 1.12%

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



Run 10: Statistics of TaoVA-100x

Start at: Mon, 24 Jul 2017 22:59:18 +0000

End at: Mon, 24 Jul 2017 22:59:48 +0000

Local clock offset: 0.476 ms

Remote clock offset: 2.399 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.82 Mbit/s

95th percentile per-packet one-way delay: 94.318 ms

Loss rate: 0.34%

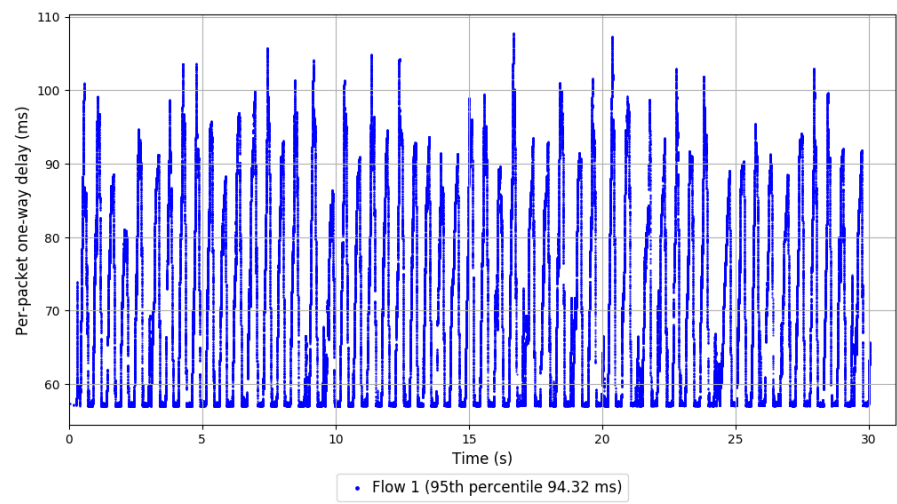
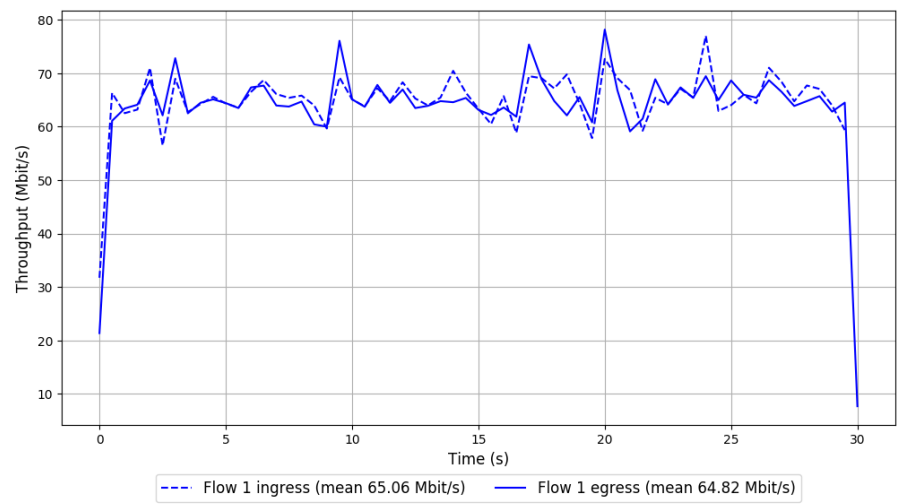
-- Flow 1:

Average throughput: 64.82 Mbit/s

95th percentile per-packet one-way delay: 94.318 ms

Loss rate: 0.34%

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



Run 1: Statistics of TCP Vegas

Start at: Mon, 24 Jul 2017 20:07:16 +0000

End at: Mon, 24 Jul 2017 20:07:46 +0000

Local clock offset: 0.552 ms

Remote clock offset: 5.655 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.00 Mbit/s

95th percentile per-packet one-way delay: 57.671 ms

Loss rate: 0.03%

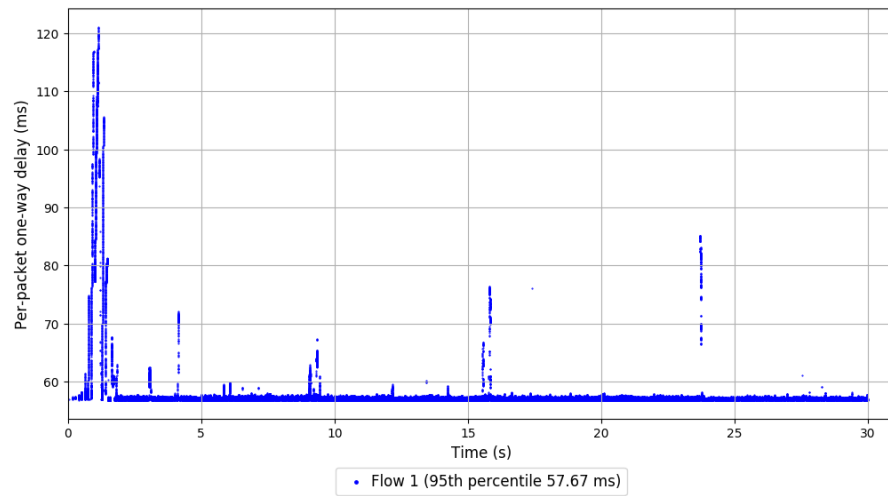
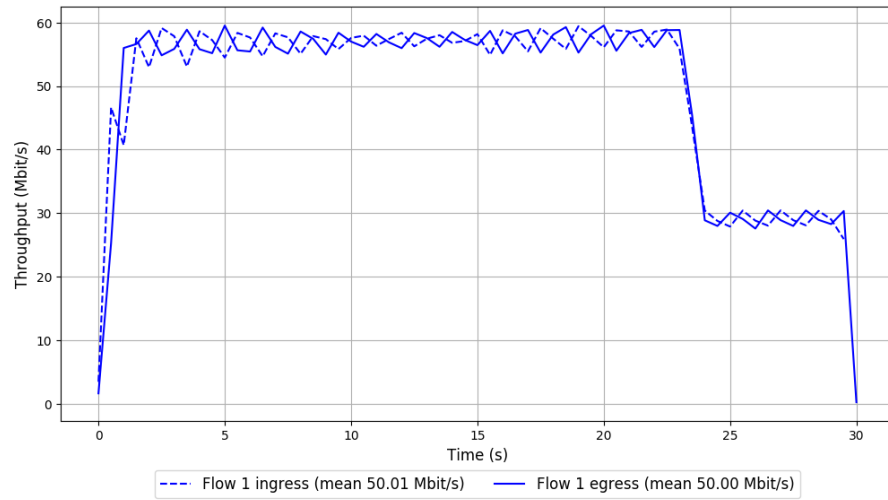
-- Flow 1:

Average throughput: 50.00 Mbit/s

95th percentile per-packet one-way delay: 57.671 ms

Loss rate: 0.03%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Mon, 24 Jul 2017 20:25:06 +0000

End at: Mon, 24 Jul 2017 20:25:36 +0000

Local clock offset: 0.542 ms

Remote clock offset: 5.89 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.04 Mbit/s

95th percentile per-packet one-way delay: 162.424 ms

Loss rate: 0.09%

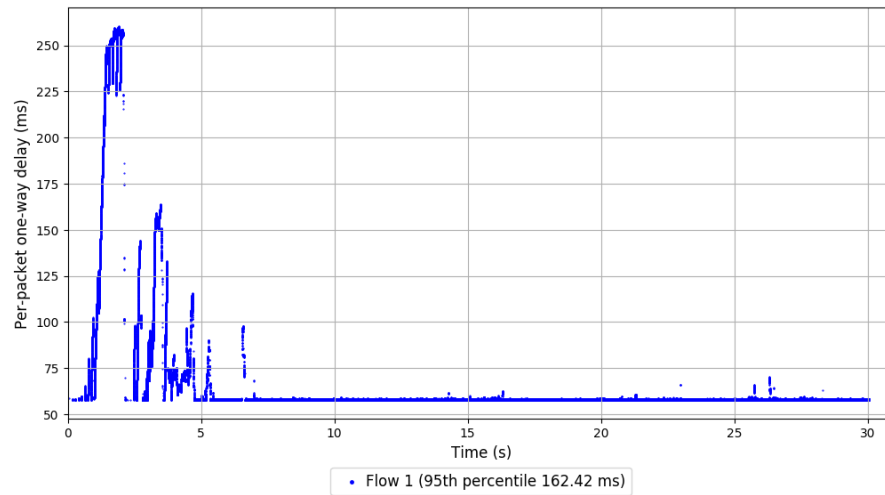
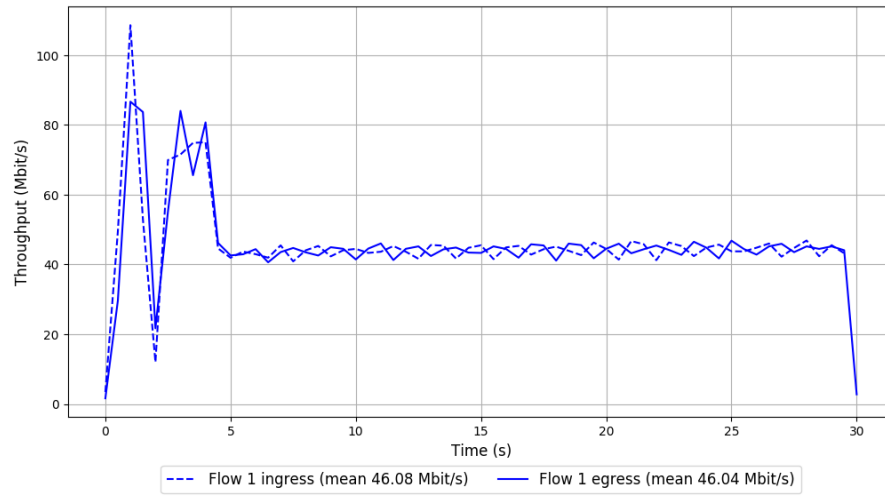
-- Flow 1:

Average throughput: 46.04 Mbit/s

95th percentile per-packet one-way delay: 162.424 ms

Loss rate: 0.09%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Mon, 24 Jul 2017 20:43:04 +0000

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

Local clock offset: 0.523 ms

Remote clock offset: 6.077 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 66.03 Mbit/s

95th percentile per-packet one-way delay: 122.438 ms

Loss rate: 0.03%

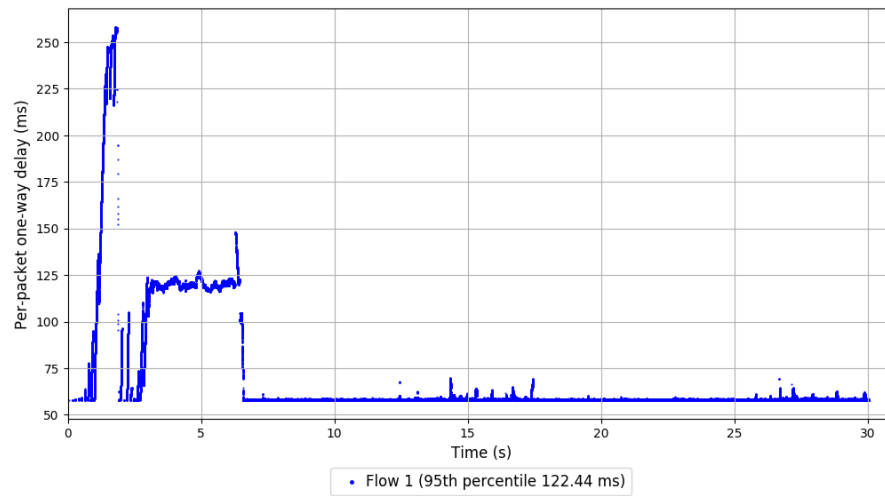
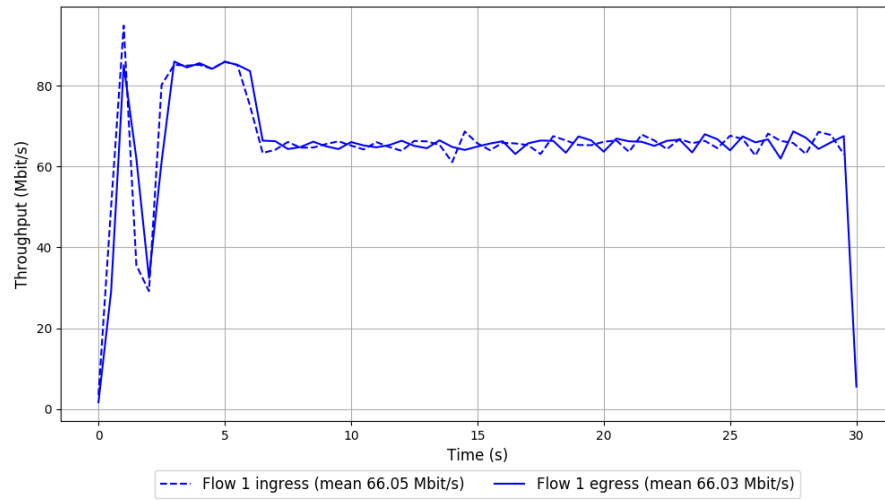
-- Flow 1:

Average throughput: 66.03 Mbit/s

95th percentile per-packet one-way delay: 122.438 ms

Loss rate: 0.03%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Mon, 24 Jul 2017 21:01:15 +0000

End at: Mon, 24 Jul 2017 21:01:45 +0000

Local clock offset: 0.457 ms

Remote clock offset: 6.276 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.68 Mbit/s

95th percentile per-packet one-way delay: 226.039 ms

Loss rate: 0.05%

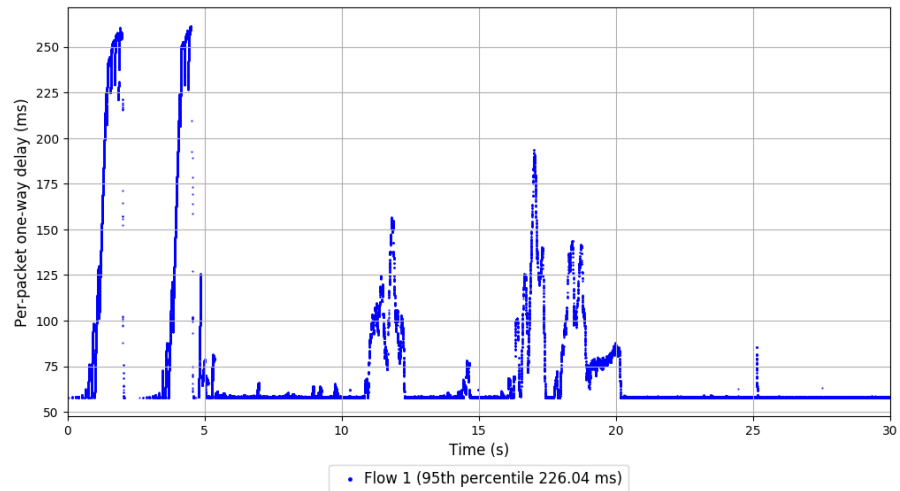
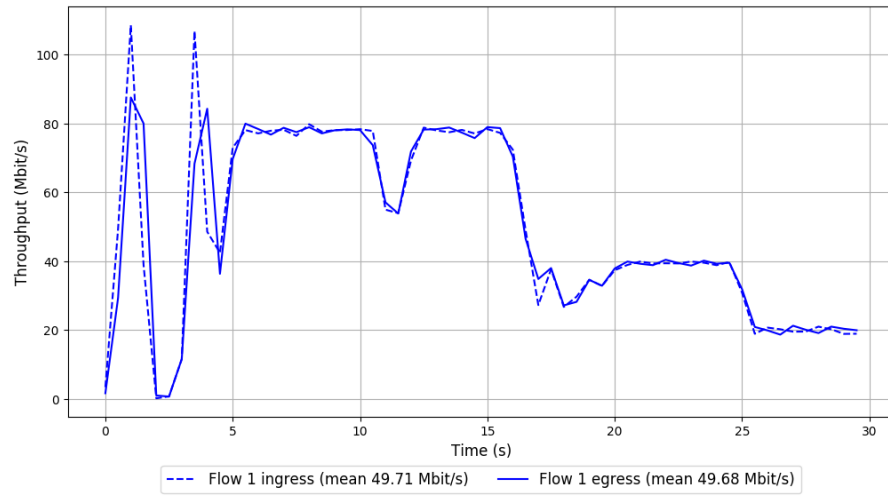
-- Flow 1:

Average throughput: 49.68 Mbit/s

95th percentile per-packet one-way delay: 226.039 ms

Loss rate: 0.05%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

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

End at: Mon, 24 Jul 2017 21:19:49 +0000

Local clock offset: 0.416 ms

Remote clock offset: 6.92 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 64.44 Mbit/s

95th percentile per-packet one-way delay: 110.468 ms

Loss rate: 0.05%

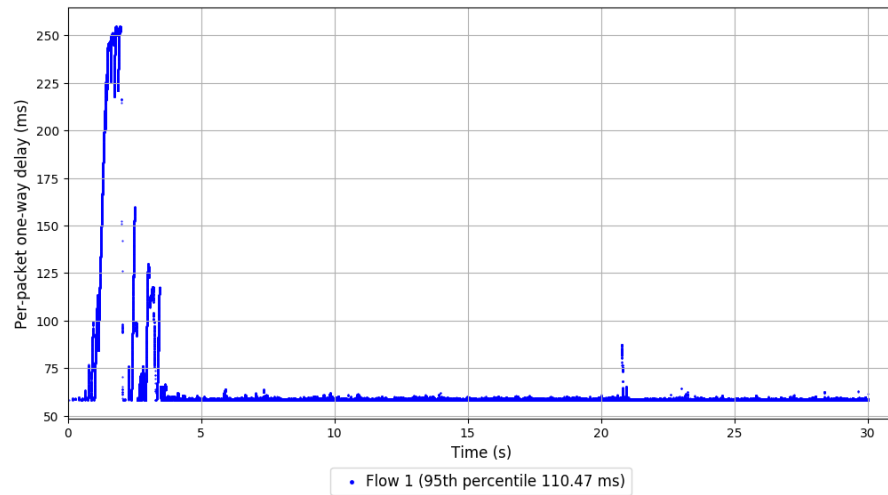
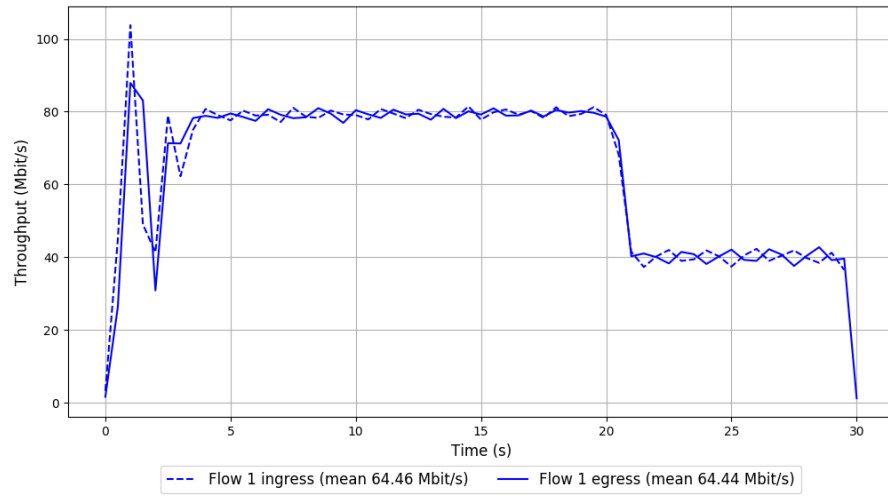
-- Flow 1:

Average throughput: 64.44 Mbit/s

95th percentile per-packet one-way delay: 110.468 ms

Loss rate: 0.05%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Mon, 24 Jul 2017 21:37:23 +0000

End at: Mon, 24 Jul 2017 21:37:53 +0000

Local clock offset: 0.421 ms

Remote clock offset: 5.963 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.73 Mbit/s

95th percentile per-packet one-way delay: 120.811 ms

Loss rate: 0.10%

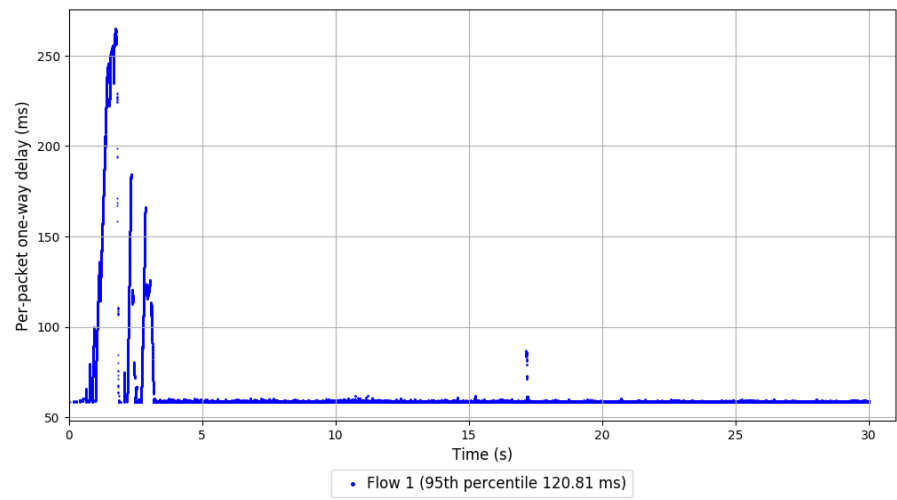
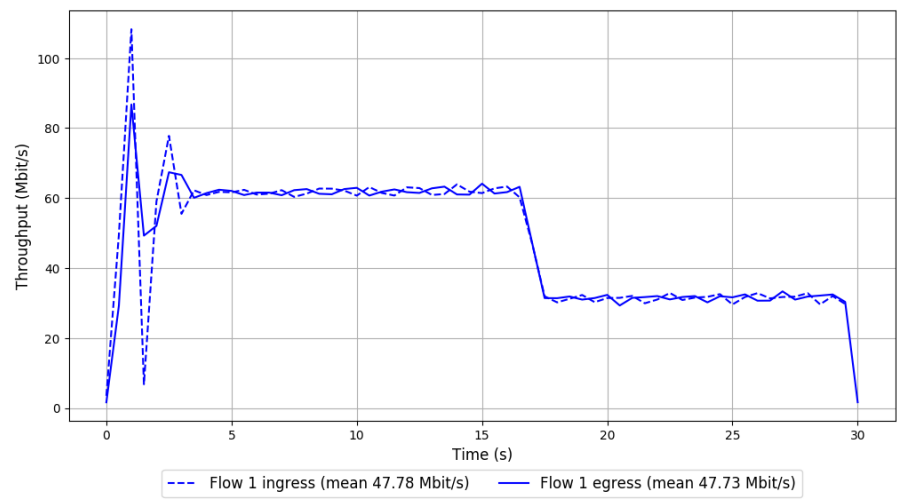
-- Flow 1:

Average throughput: 47.73 Mbit/s

95th percentile per-packet one-way delay: 120.811 ms

Loss rate: 0.10%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Mon, 24 Jul 2017 21:55:32 +0000

End at: Mon, 24 Jul 2017 21:56:02 +0000

Local clock offset: 0.378 ms

Remote clock offset: 4.9 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.32 Mbit/s

95th percentile per-packet one-way delay: 152.103 ms

Loss rate: 0.06%

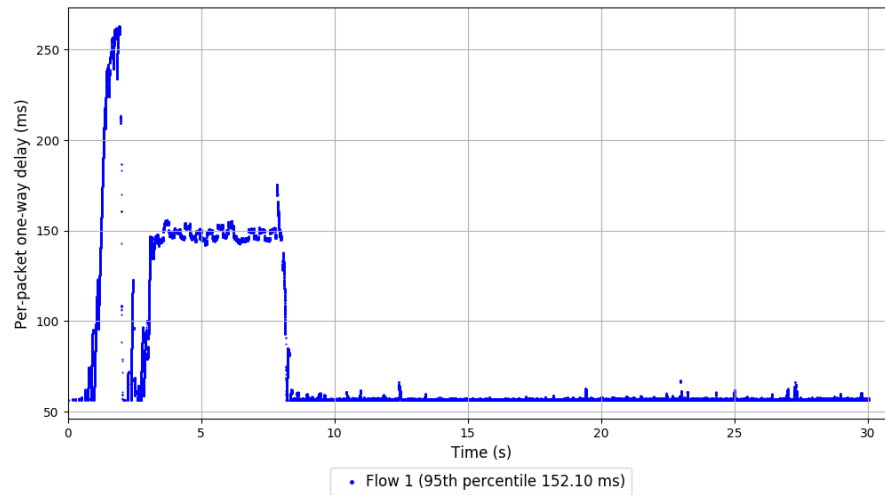
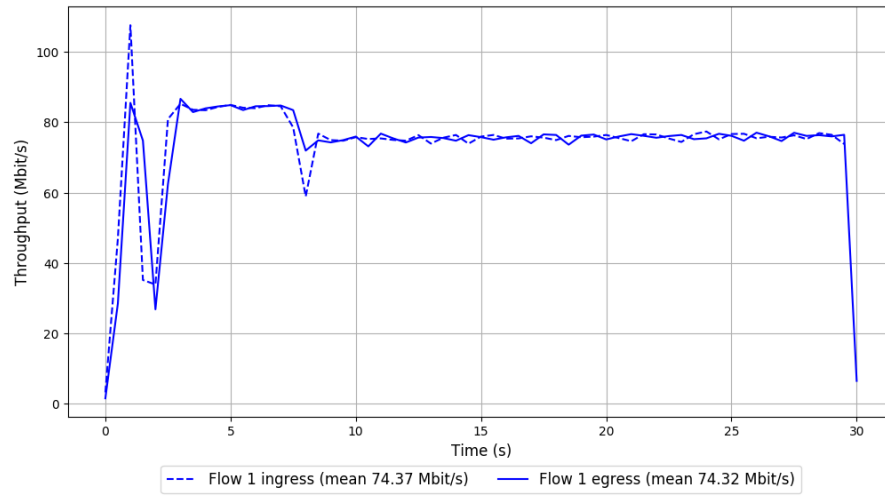
-- Flow 1:

Average throughput: 74.32 Mbit/s

95th percentile per-packet one-way delay: 152.103 ms

Loss rate: 0.06%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Mon, 24 Jul 2017 22:13:36 +0000

End at: Mon, 24 Jul 2017 22:14:06 +0000

Local clock offset: 0.393 ms

Remote clock offset: 4.808 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.09 Mbit/s

95th percentile per-packet one-way delay: 138.545 ms

Loss rate: 0.54%

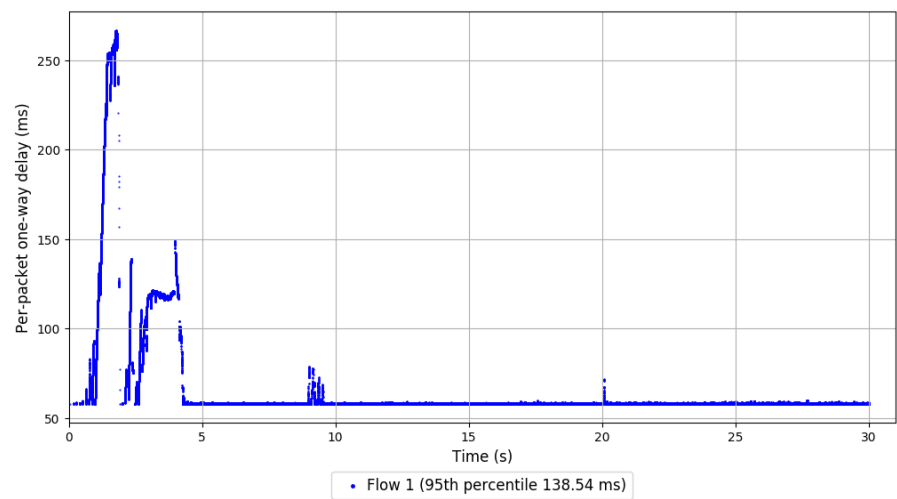
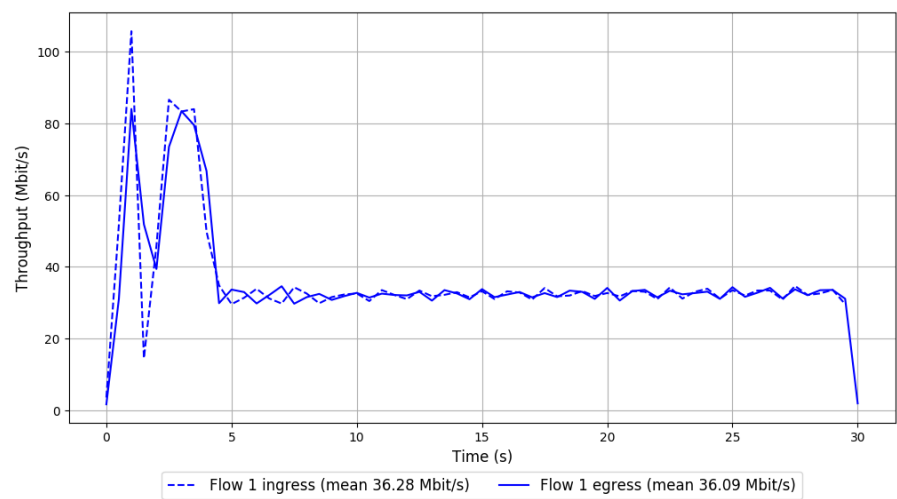
-- Flow 1:

Average throughput: 36.09 Mbit/s

95th percentile per-packet one-way delay: 138.545 ms

Loss rate: 0.54%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Mon, 24 Jul 2017 22:31:37 +0000

End at: Mon, 24 Jul 2017 22:32:07 +0000

Local clock offset: 0.376 ms

Remote clock offset: 4.151 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.34 Mbit/s

95th percentile per-packet one-way delay: 60.836 ms

Loss rate: 0.01%

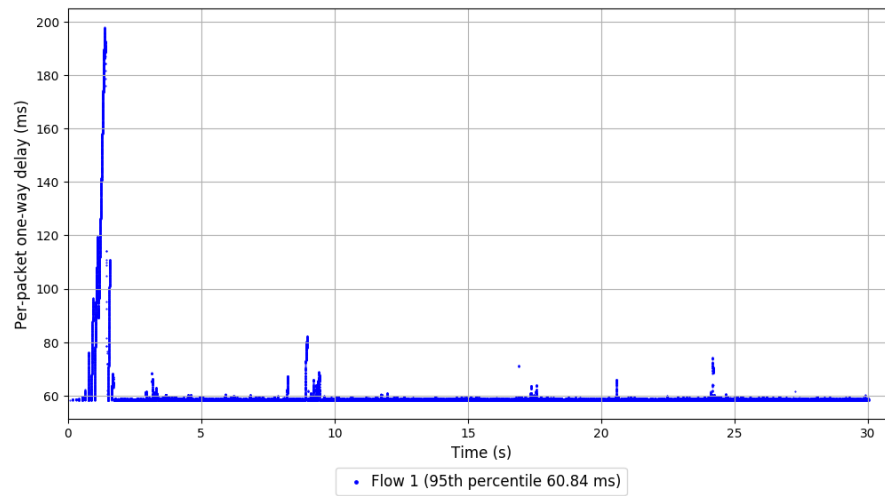
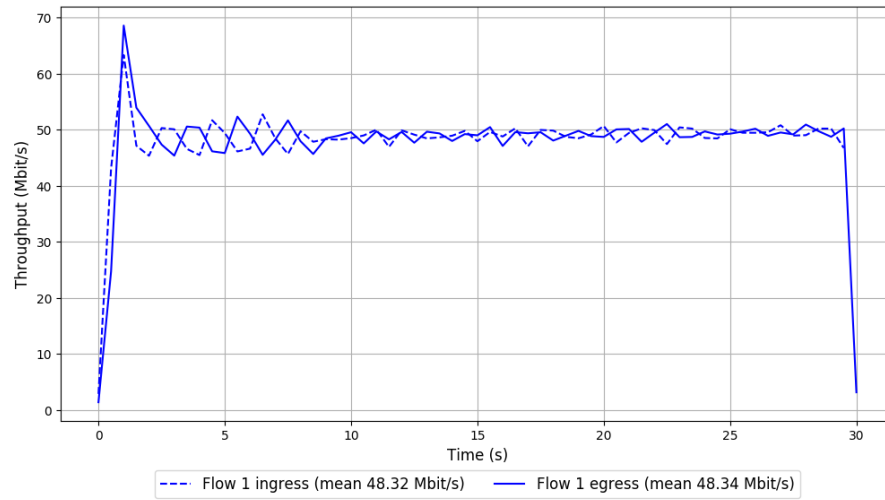
-- Flow 1:

Average throughput: 48.34 Mbit/s

95th percentile per-packet one-way delay: 60.836 ms

Loss rate: 0.01%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Mon, 24 Jul 2017 22:49:35 +0000

End at: Mon, 24 Jul 2017 22:50:05 +0000

Local clock offset: 0.341 ms

Remote clock offset: 2.968 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.51 Mbit/s

95th percentile per-packet one-way delay: 127.155 ms

Loss rate: 0.49%

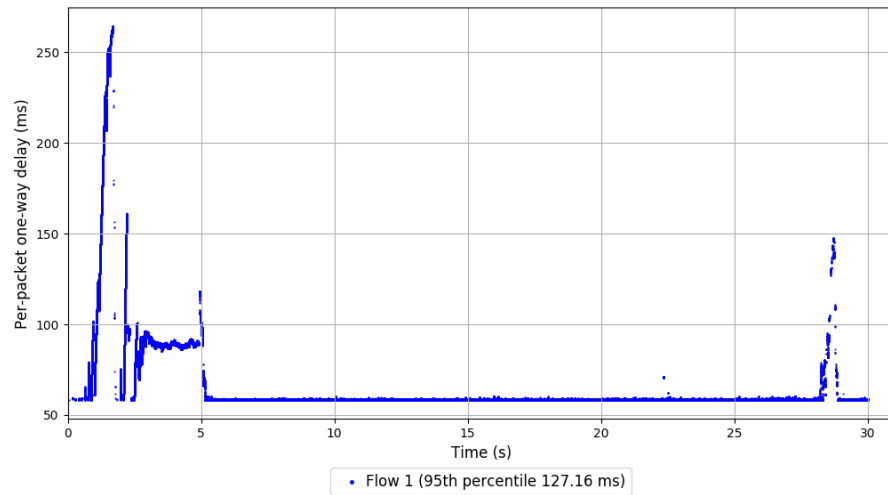
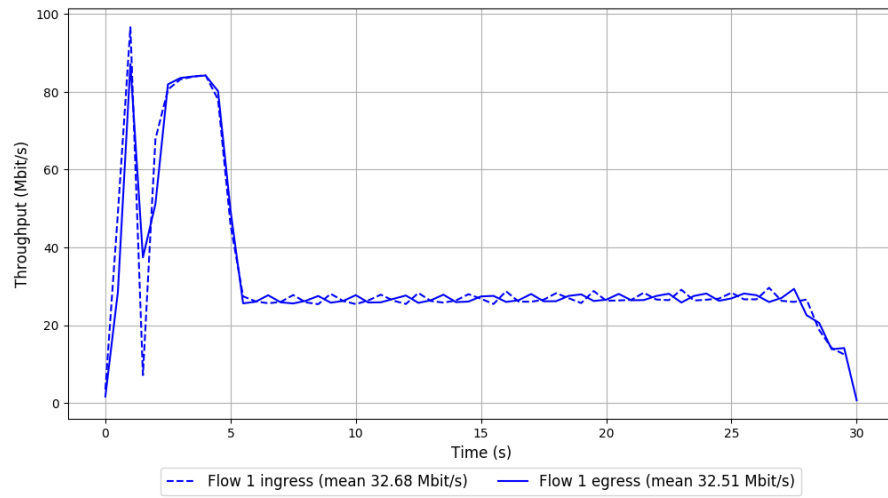
-- Flow 1:

Average throughput: 32.51 Mbit/s

95th percentile per-packet one-way delay: 127.155 ms

Loss rate: 0.49%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Mon, 24 Jul 2017 20:08:29 +0000

End at: Mon, 24 Jul 2017 20:08:59 +0000

Local clock offset: 0.564 ms

Remote clock offset: 5.466 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:25:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 45.14 Mbit/s

95th percentile per-packet one-way delay: 725.232 ms

Loss rate: 10.29%

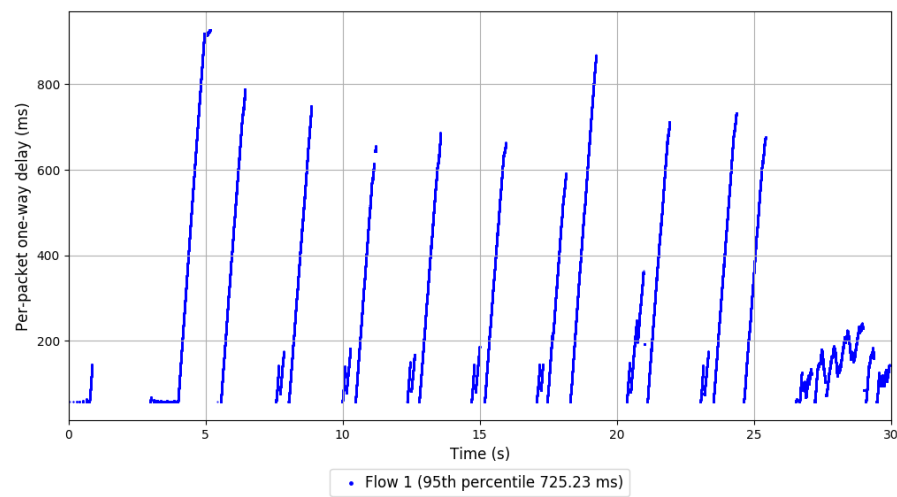
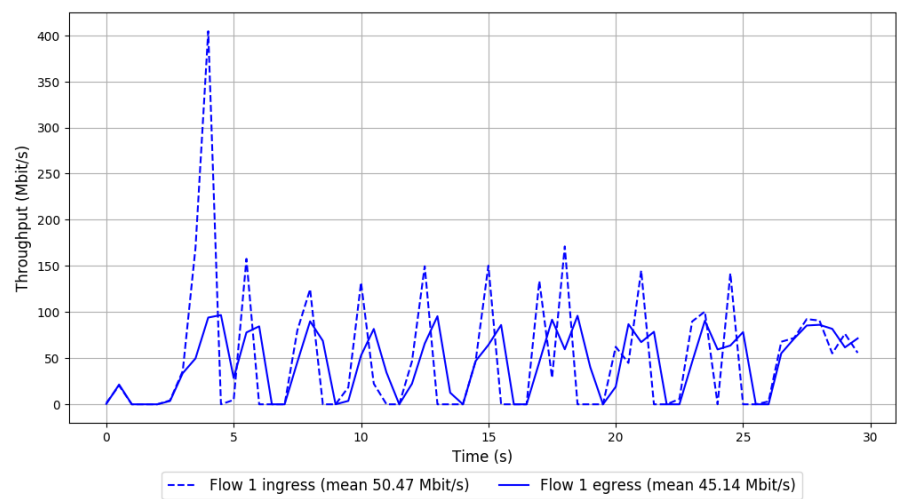
-- Flow 1:

Average throughput: 45.14 Mbit/s

95th percentile per-packet one-way delay: 725.232 ms

Loss rate: 10.29%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Mon, 24 Jul 2017 20:26:18 +0000

End at: Mon, 24 Jul 2017 20:26:48 +0000

Local clock offset: 0.548 ms

Remote clock offset: 6.049 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 73.81 Mbit/s

95th percentile per-packet one-way delay: 631.773 ms

Loss rate: 0.36%

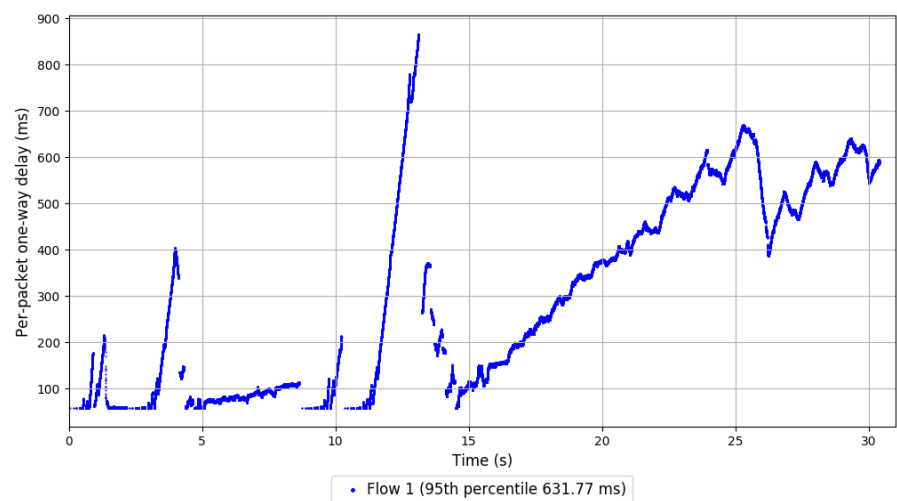
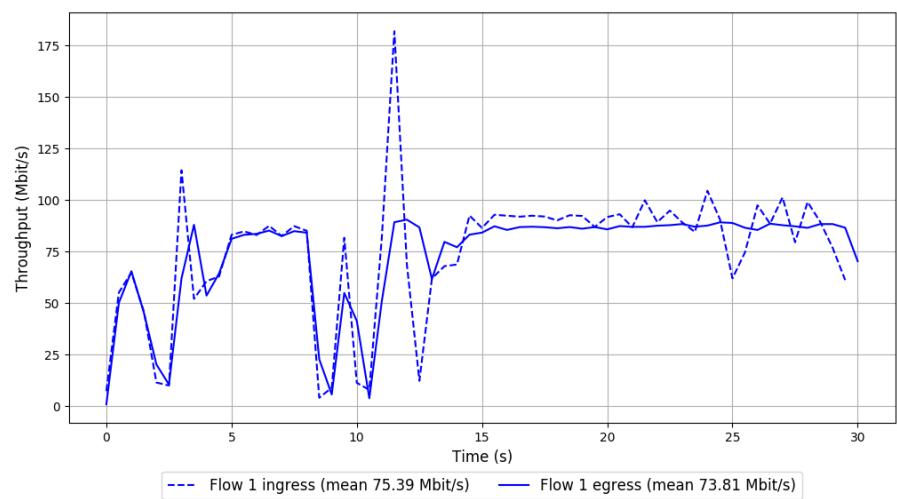
-- Flow 1:

Average throughput: 73.81 Mbit/s

95th percentile per-packet one-way delay: 631.773 ms

Loss rate: 0.36%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Mon, 24 Jul 2017 20:44:17 +0000

End at: Mon, 24 Jul 2017 20:44:47 +0000

Local clock offset: 0.545 ms

Remote clock offset: 6.091 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 83.97 Mbit/s

95th percentile per-packet one-way delay: 644.388 ms

Loss rate: 0.03%

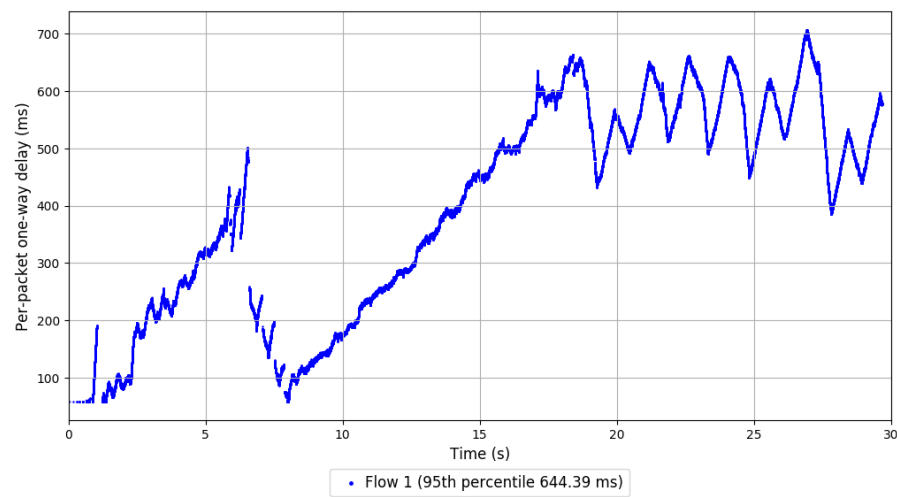
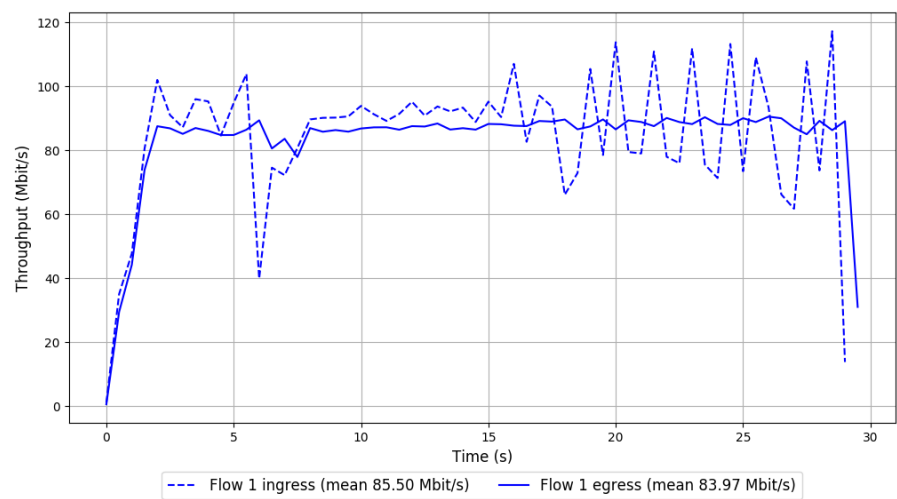
-- Flow 1:

Average throughput: 83.97 Mbit/s

95th percentile per-packet one-way delay: 644.388 ms

Loss rate: 0.03%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Mon, 24 Jul 2017 21:02:27 +0000

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

Local clock offset: 0.441 ms

Remote clock offset: 5.905 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 81.36 Mbit/s

95th percentile per-packet one-way delay: 675.049 ms

Loss rate: 0.21%

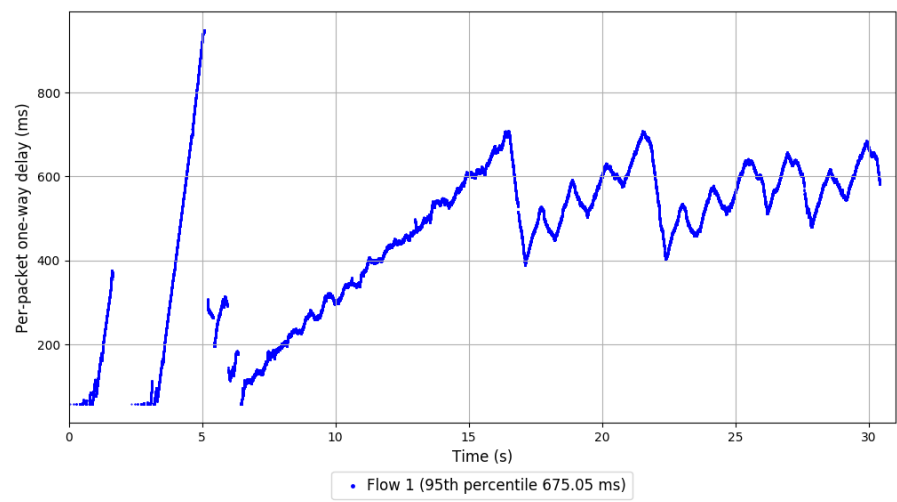
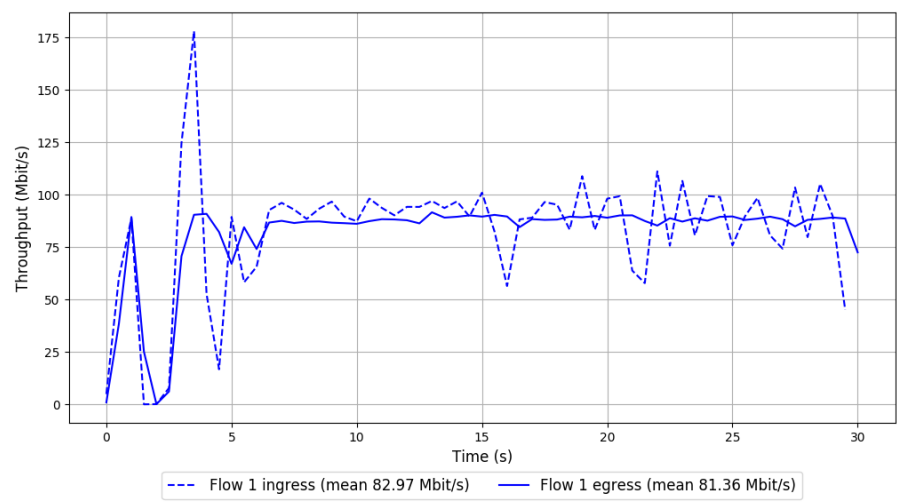
-- Flow 1:

Average throughput: 81.36 Mbit/s

95th percentile per-packet one-way delay: 675.049 ms

Loss rate: 0.21%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Mon, 24 Jul 2017 21:20:35 +0000

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

Local clock offset: 0.392 ms

Remote clock offset: 6.472 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:26:11 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.80 Mbit/s

95th percentile per-packet one-way delay: 634.583 ms

Loss rate: 0.34%

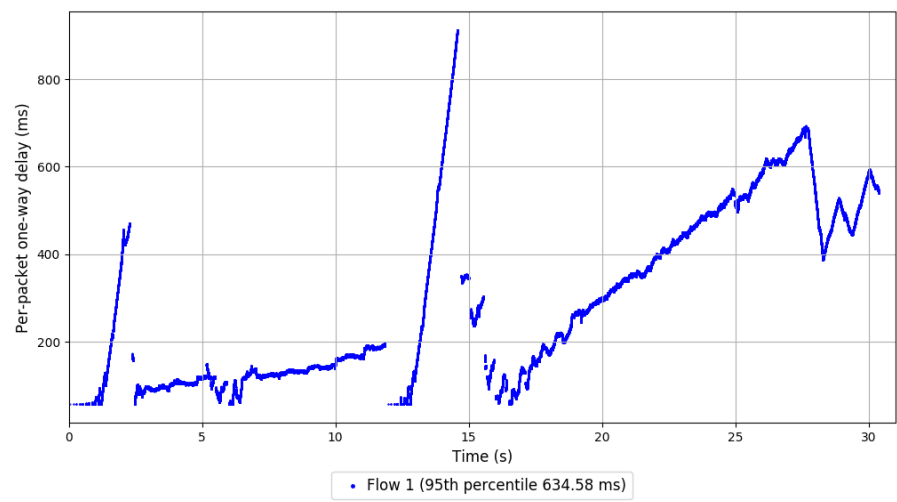
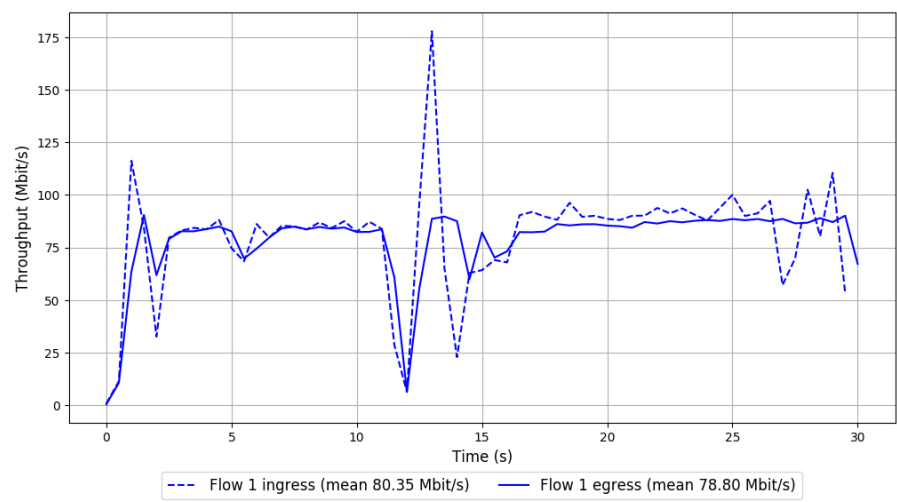
-- Flow 1:

Average throughput: 78.80 Mbit/s

95th percentile per-packet one-way delay: 634.583 ms

Loss rate: 0.34%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Mon, 24 Jul 2017 21:38:35 +0000

End at: Mon, 24 Jul 2017 21:39:05 +0000

Local clock offset: 0.363 ms

Remote clock offset: 5.843 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:26:11 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 75.17 Mbit/s

95th percentile per-packet one-way delay: 617.986 ms

Loss rate: 0.26%

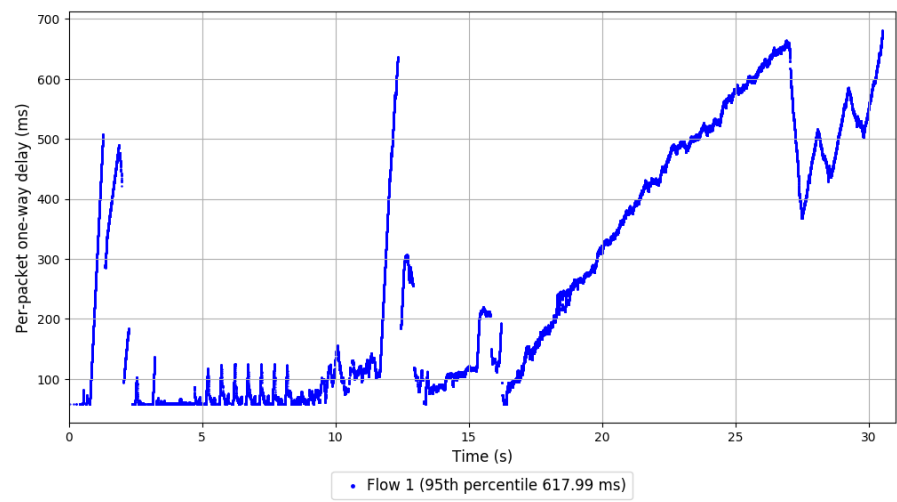
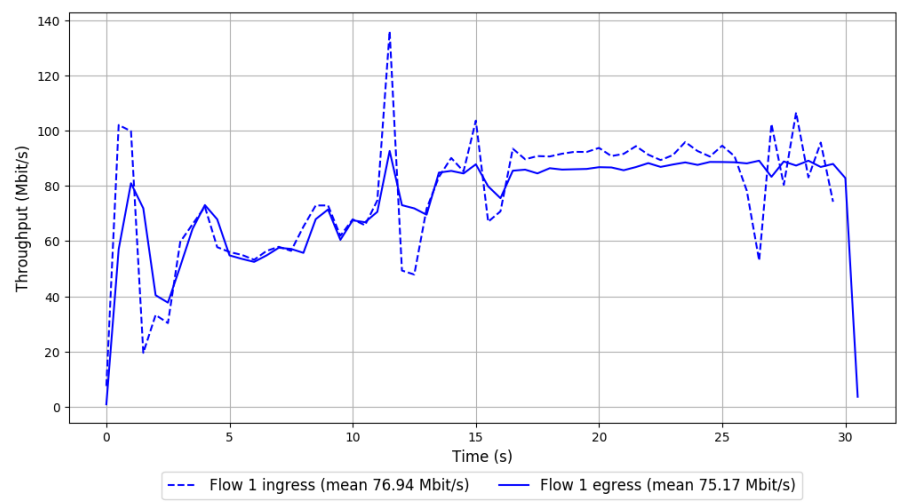
-- Flow 1:

Average throughput: 75.17 Mbit/s

95th percentile per-packet one-way delay: 617.986 ms

Loss rate: 0.26%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Mon, 24 Jul 2017 21:56:47 +0000

End at: Mon, 24 Jul 2017 21:57:17 +0000

Local clock offset: 0.415 ms

Remote clock offset: 5.372 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:26:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.98 Mbit/s

95th percentile per-packet one-way delay: 660.563 ms

Loss rate: 0.26%

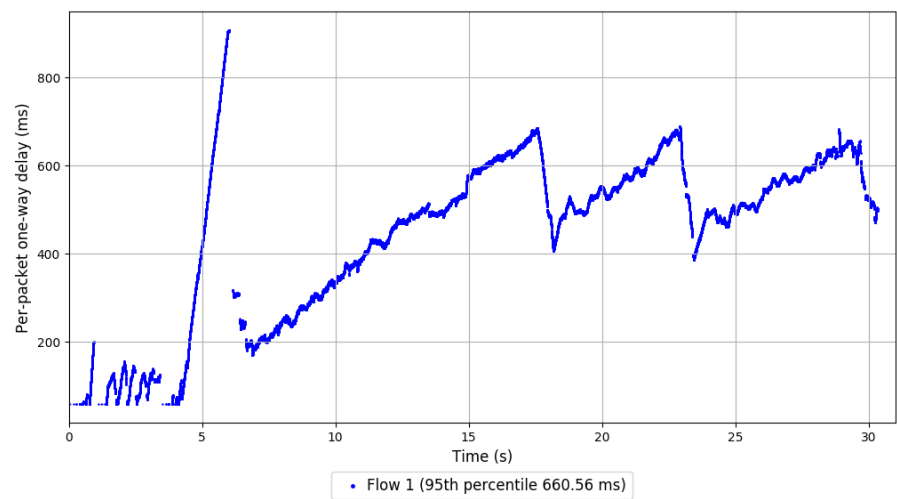
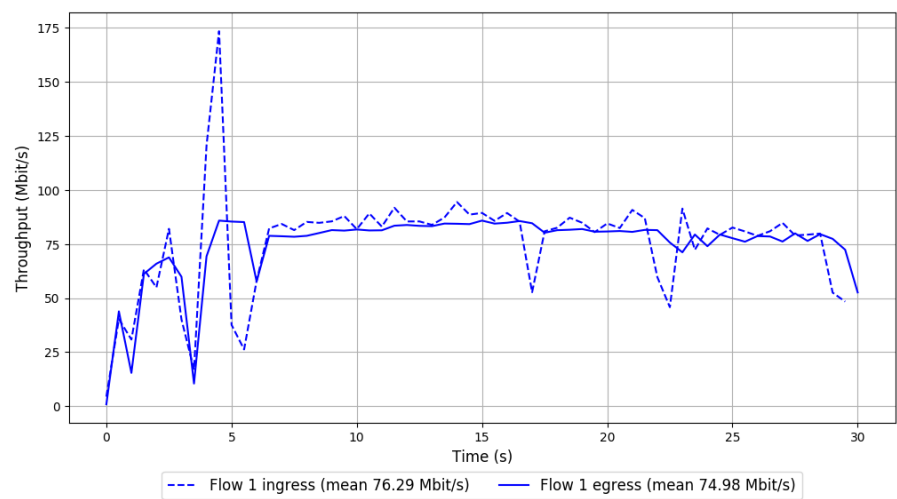
-- Flow 1:

Average throughput: 74.98 Mbit/s

95th percentile per-packet one-way delay: 660.563 ms

Loss rate: 0.26%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Mon, 24 Jul 2017 22:14:47 +0000

End at: Mon, 24 Jul 2017 22:15:17 +0000

Local clock offset: 0.399 ms

Remote clock offset: 4.529 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:26:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.58 Mbit/s

95th percentile per-packet one-way delay: 579.643 ms

Loss rate: 0.37%

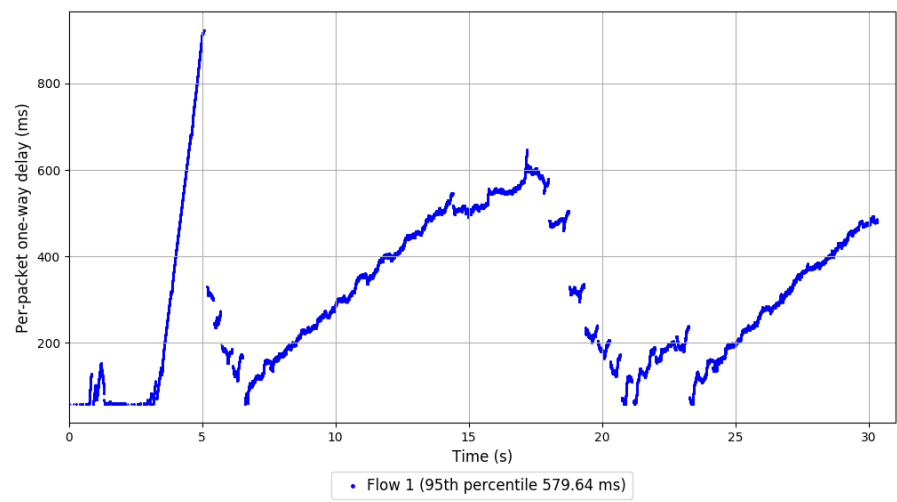
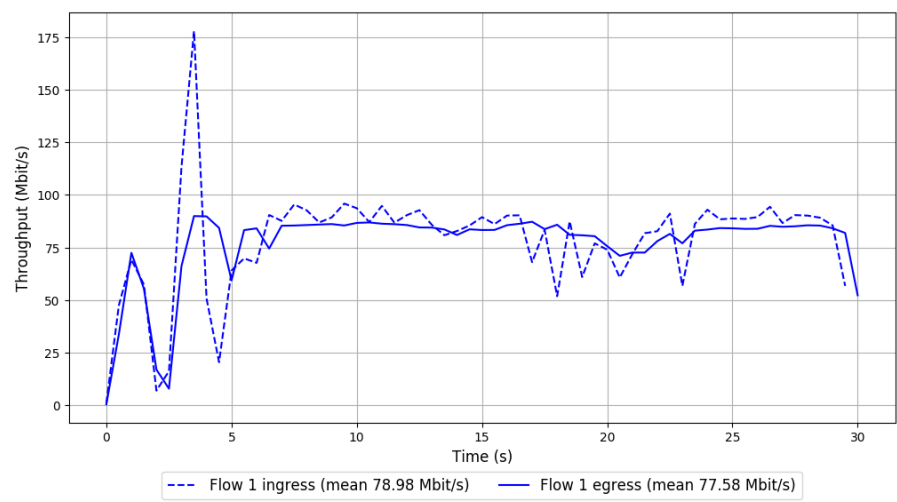
-- Flow 1:

Average throughput: 77.58 Mbit/s

95th percentile per-packet one-way delay: 579.643 ms

Loss rate: 0.37%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Mon, 24 Jul 2017 22:32:49 +0000

End at: Mon, 24 Jul 2017 22:33:20 +0000

Local clock offset: 0.333 ms

Remote clock offset: 3.457 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:26:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.54 Mbit/s

95th percentile per-packet one-way delay: 526.013 ms

Loss rate: 0.15%

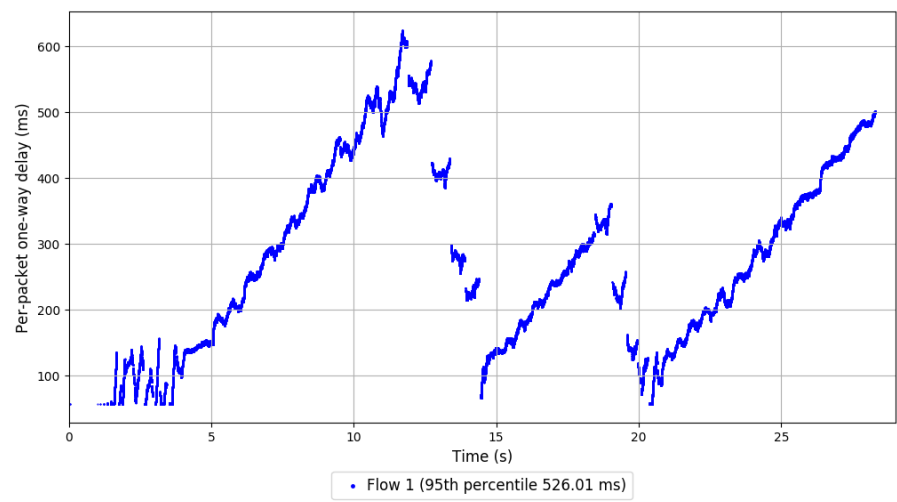
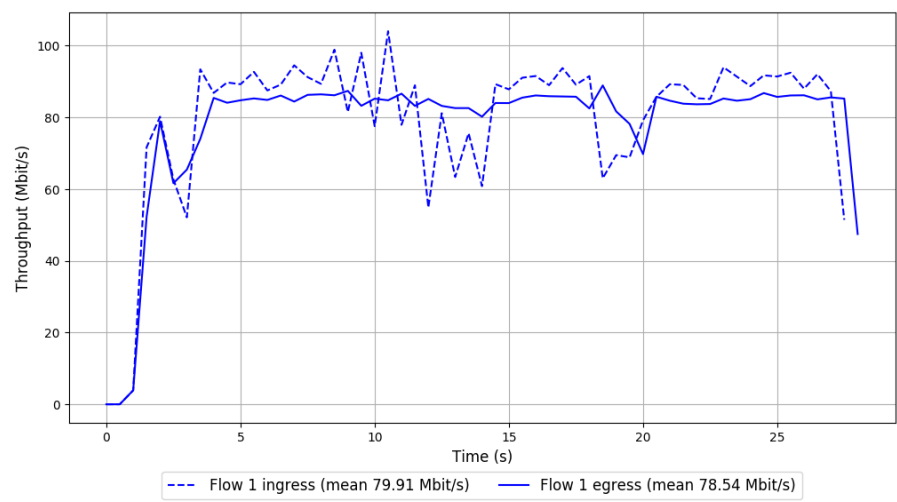
-- Flow 1:

Average throughput: 78.54 Mbit/s

95th percentile per-packet one-way delay: 526.013 ms

Loss rate: 0.15%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Mon, 24 Jul 2017 22:50:46 +0000

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

Local clock offset: 0.371 ms

Remote clock offset: 3.509 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:26:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 76.10 Mbit/s

95th percentile per-packet one-way delay: 626.952 ms

Loss rate: 0.58%

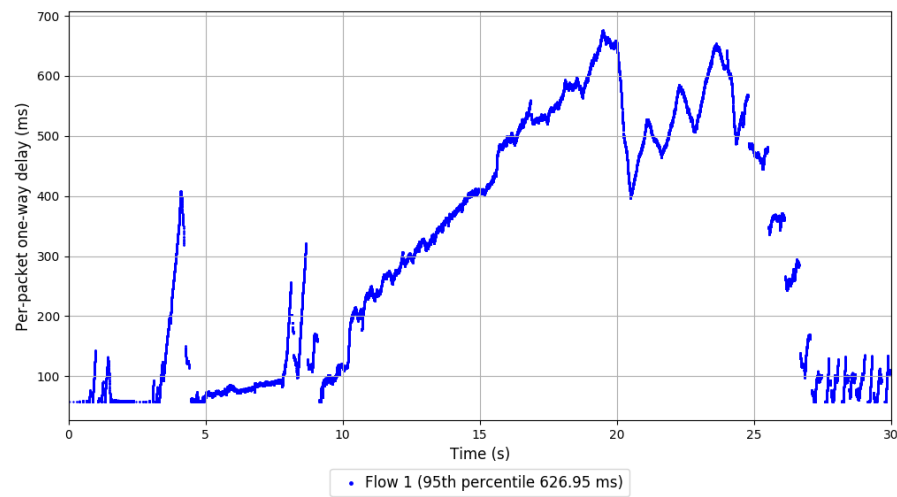
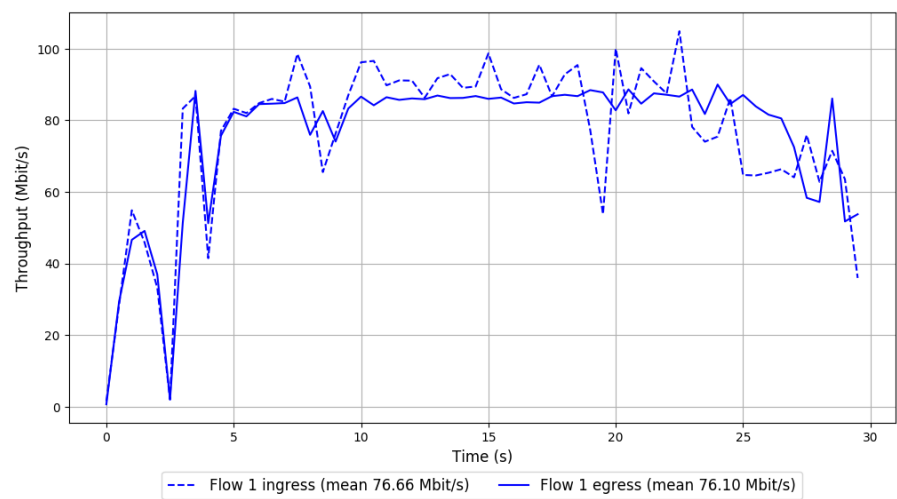
-- Flow 1:

Average throughput: 76.10 Mbit/s

95th percentile per-packet one-way delay: 626.952 ms

Loss rate: 0.58%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

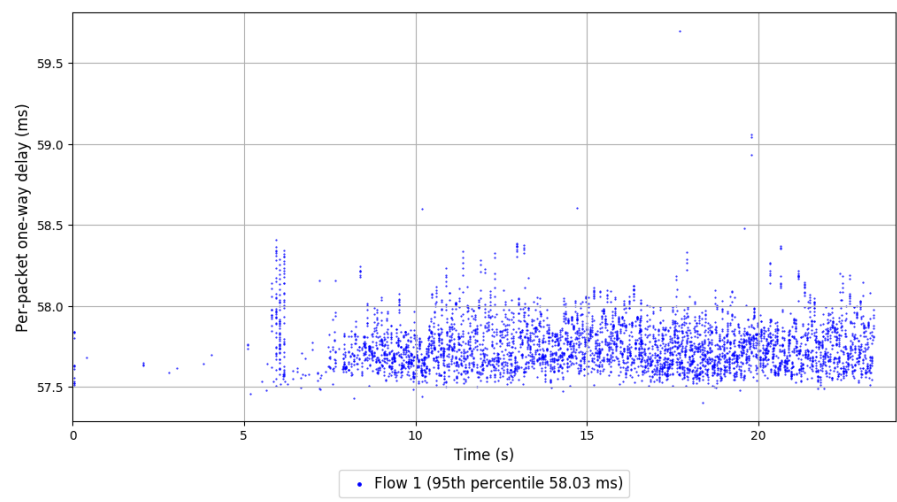
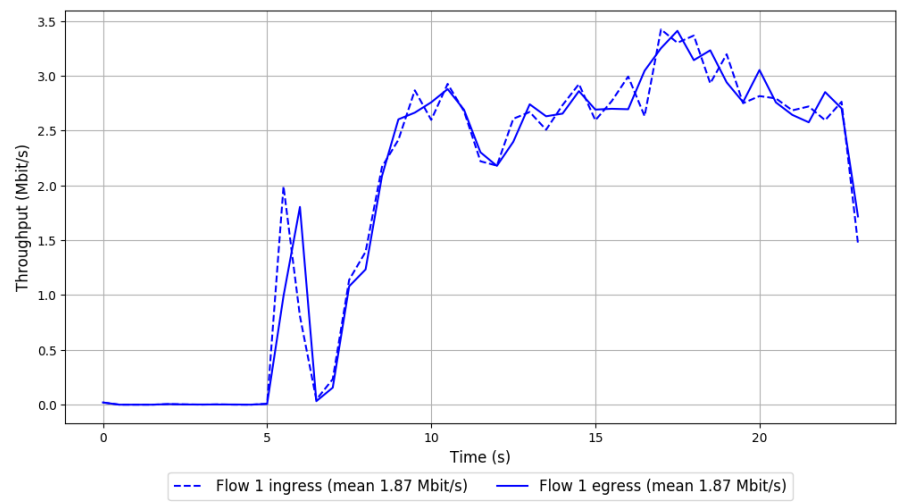
Start at: Mon, 24 Jul 2017 20:18:06 +0000

End at: Mon, 24 Jul 2017 20:18:36 +0000

Local clock offset: 0.544 ms

Remote clock offset: 6.007 ms

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 20:36:05 +0000

End at: Mon, 24 Jul 2017 20:36:35 +0000

Local clock offset: 0.516 ms

Remote clock offset: 5.806 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:26:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 58.361 ms

Loss rate: 0.00%

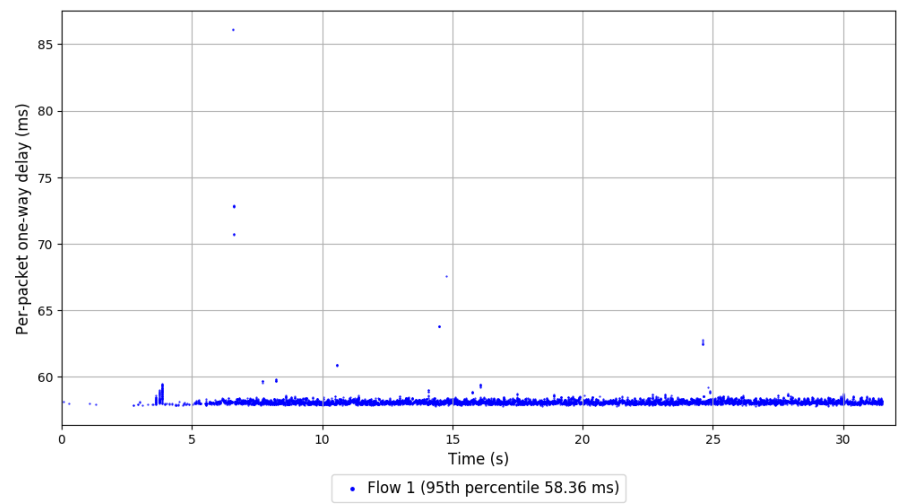
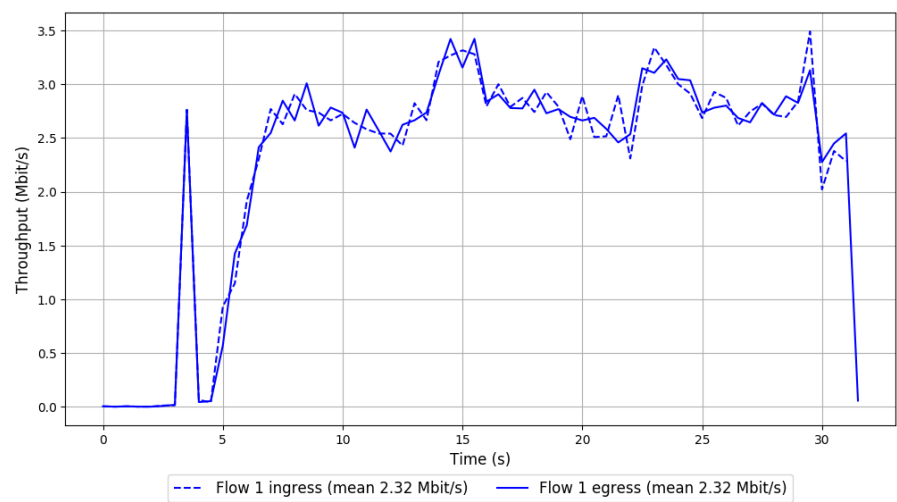
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 58.361 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 20:54:09 +0000

End at: Mon, 24 Jul 2017 20:54:39 +0000

Local clock offset: 0.433 ms

Remote clock offset: 5.99 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:26:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 58.371 ms

Loss rate: 0.00%

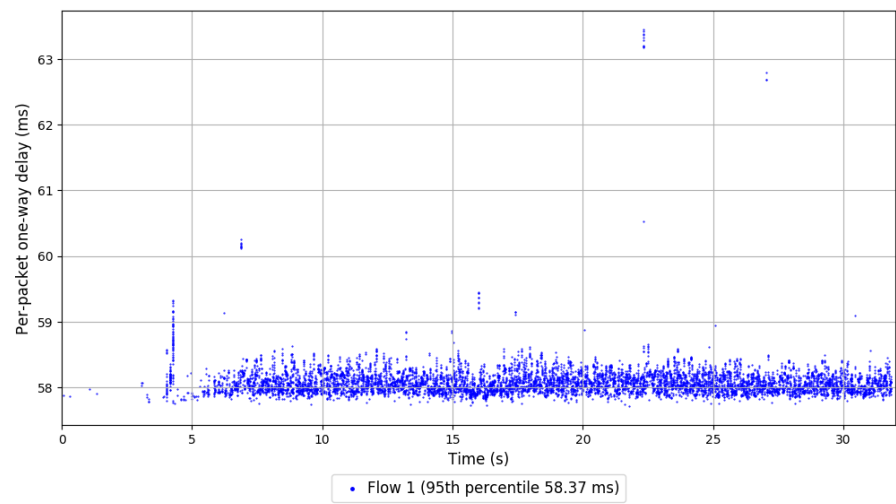
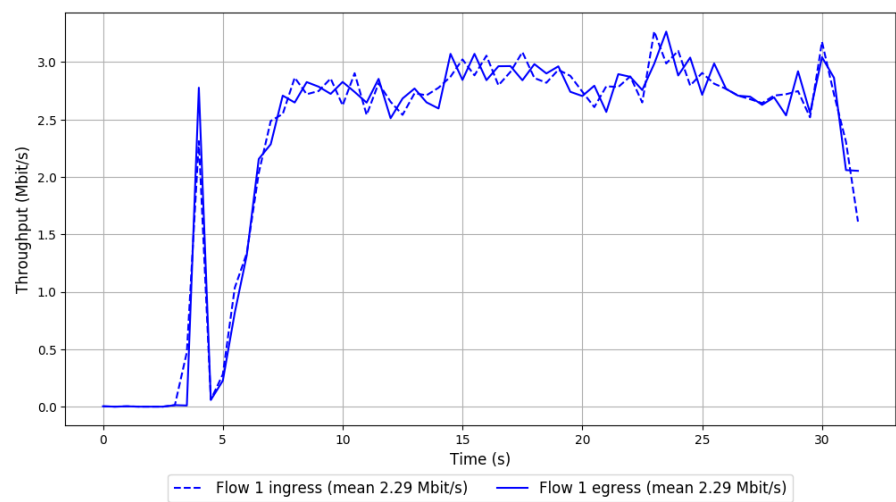
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 58.371 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 21:12:19 +0000

End at: Mon, 24 Jul 2017 21:12:49 +0000

Local clock offset: 0.374 ms

Remote clock offset: 6.3 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:26:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 58.241 ms

Loss rate: 0.00%

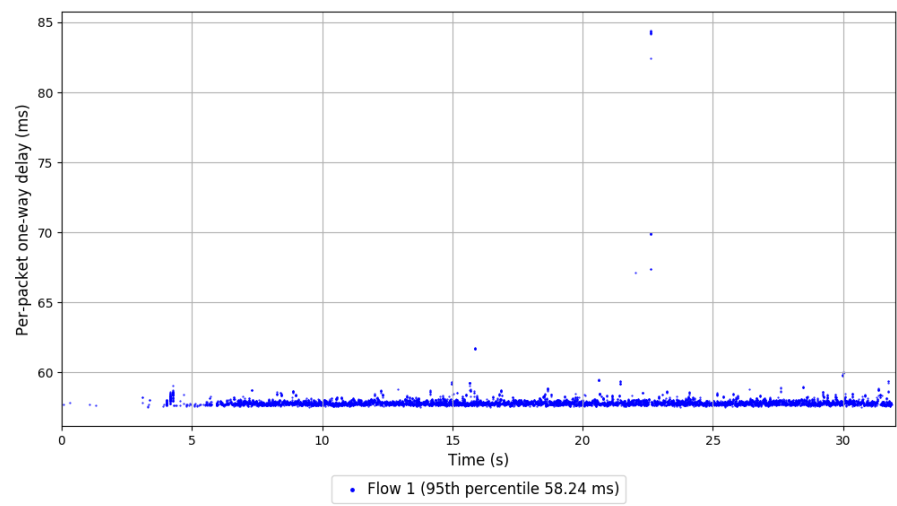
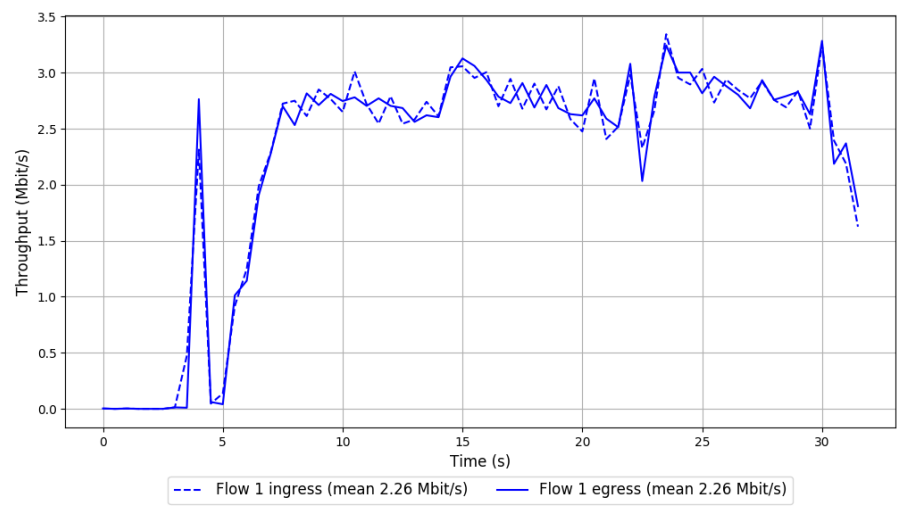
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 58.241 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 21:30:26 +0000

End at: Mon, 24 Jul 2017 21:30:56 +0000

Local clock offset: 0.349 ms

Remote clock offset: 6.111 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:26:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 58.503 ms

Loss rate: 0.00%

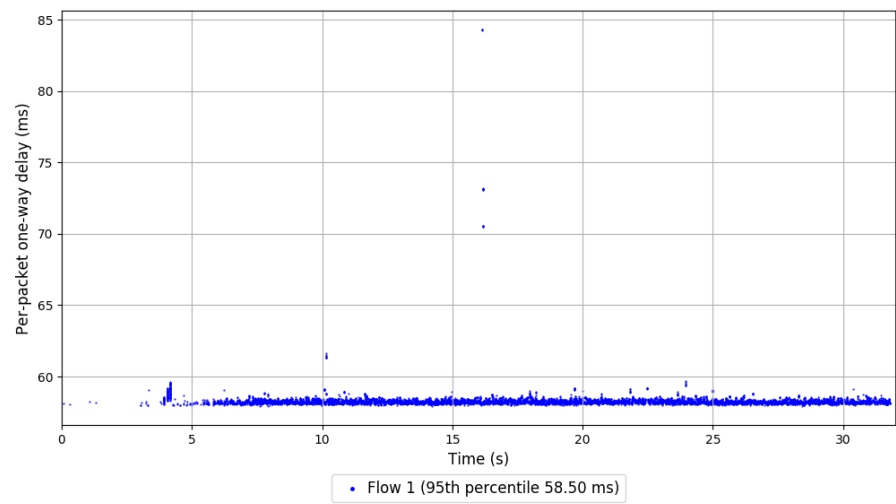
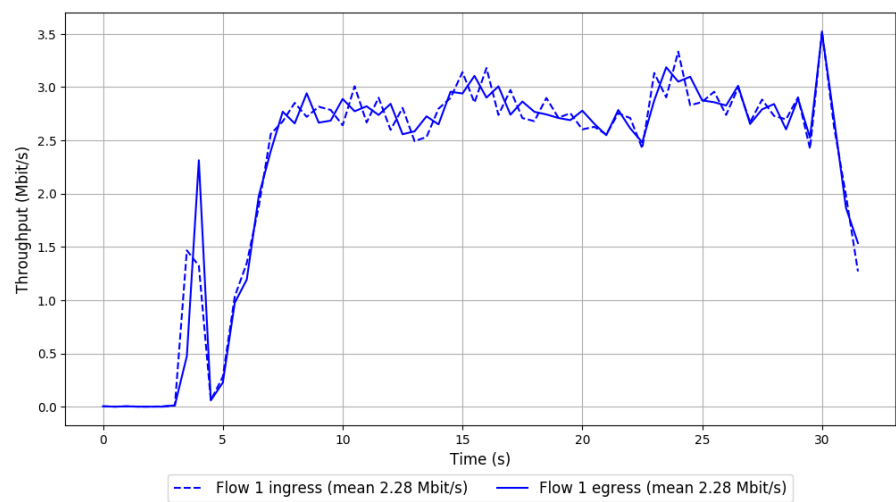
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 58.503 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 21:48:27 +0000

End at: Mon, 24 Jul 2017 21:48:57 +0000

Local clock offset: 0.412 ms

Remote clock offset: 5.972 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:26:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 58.042 ms

Loss rate: 0.00%

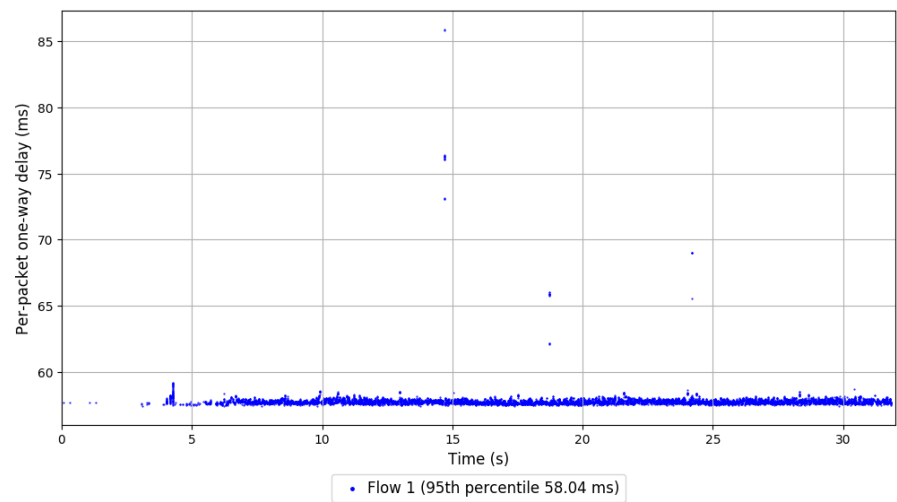
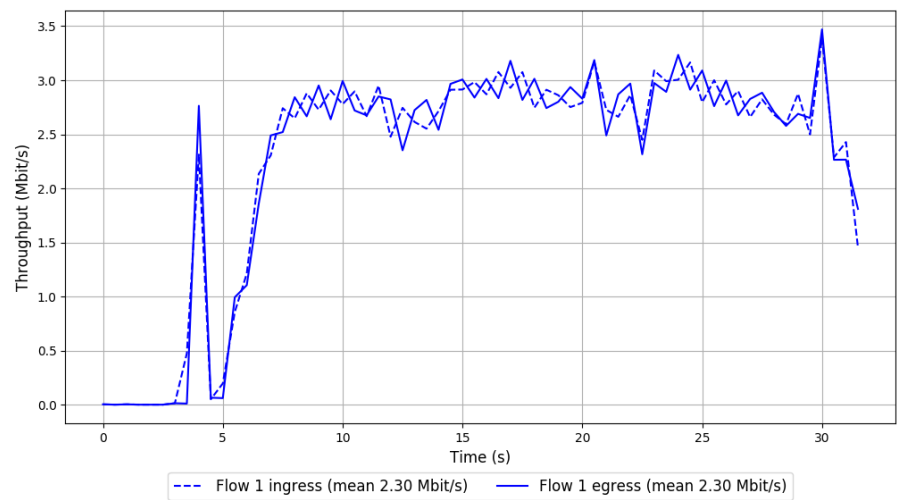
-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 58.042 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 22:06:38 +0000

End at: Mon, 24 Jul 2017 22:07:08 +0000

Local clock offset: 0.421 ms

Remote clock offset: 5.31 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:26:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 59.034 ms

Loss rate: 0.00%

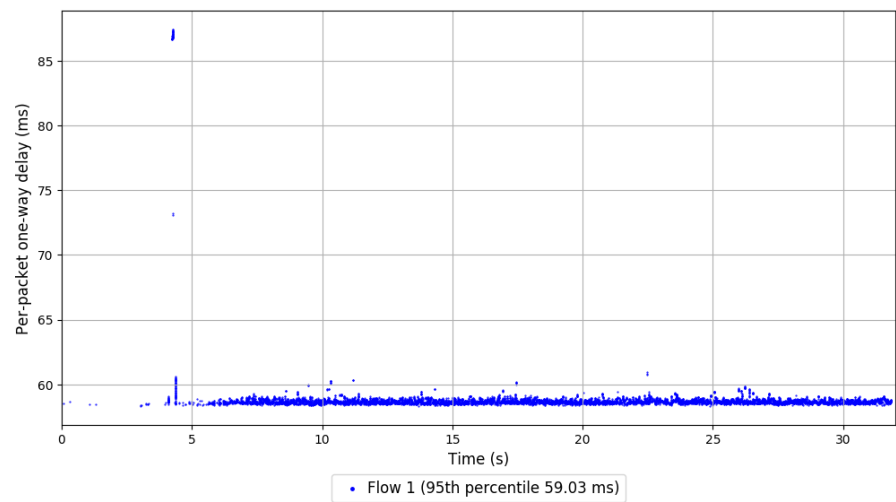
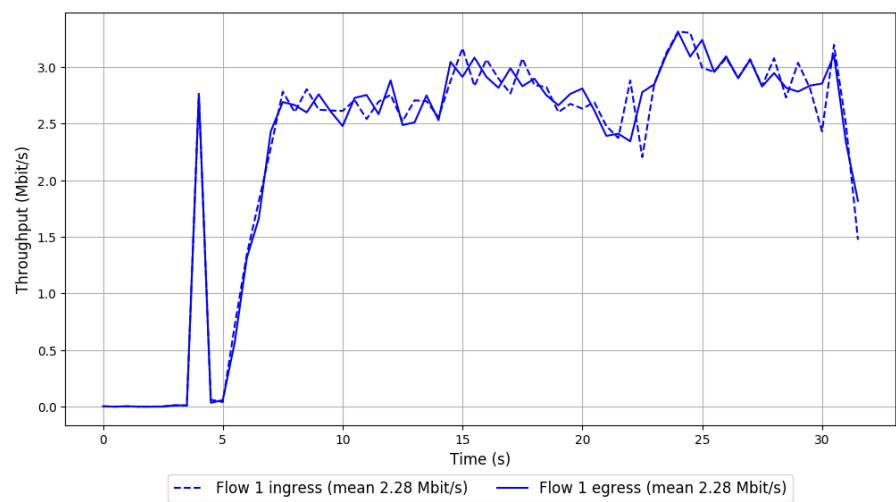
-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 59.034 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

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

End at: Mon, 24 Jul 2017 22:25:07 +0000

Local clock offset: 0.4 ms

Remote clock offset: 4.228 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:26:39 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 57.884 ms

Loss rate: 0.08%

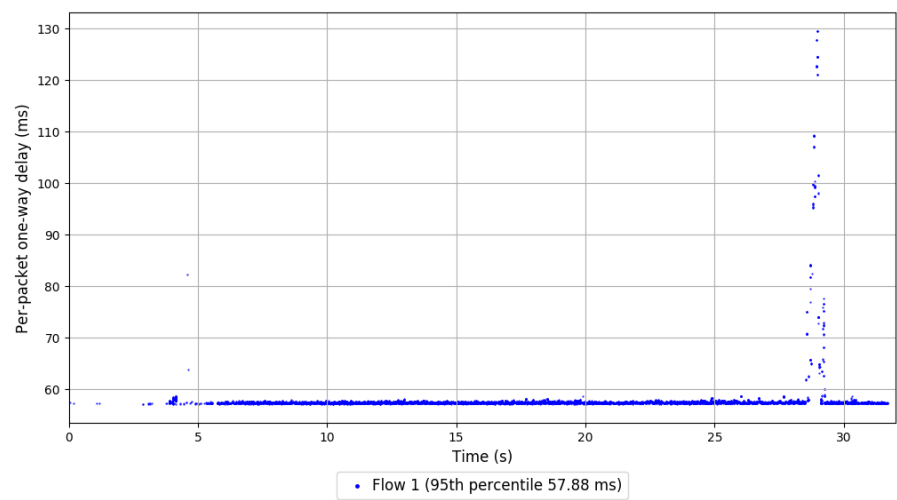
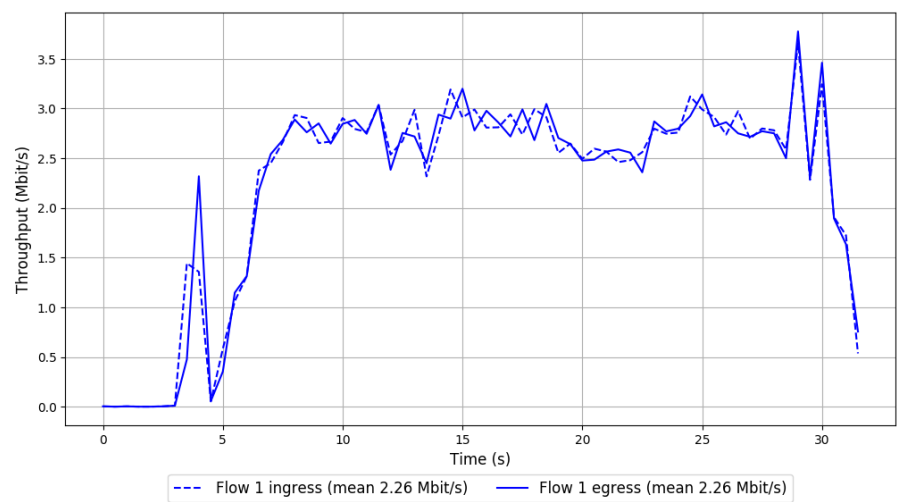
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 57.884 ms

Loss rate: 0.08%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 22:42:39 +0000

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

Local clock offset: 0.321 ms

Remote clock offset: 3.108 ms

Below is generated by plot.py at Tue, 25 Jul 2017 02:26:39 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 57.377 ms

Loss rate: 0.00%

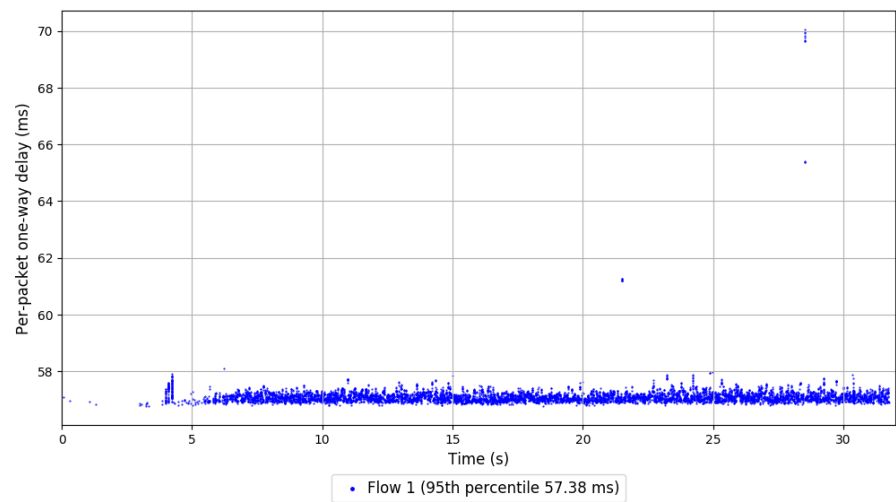
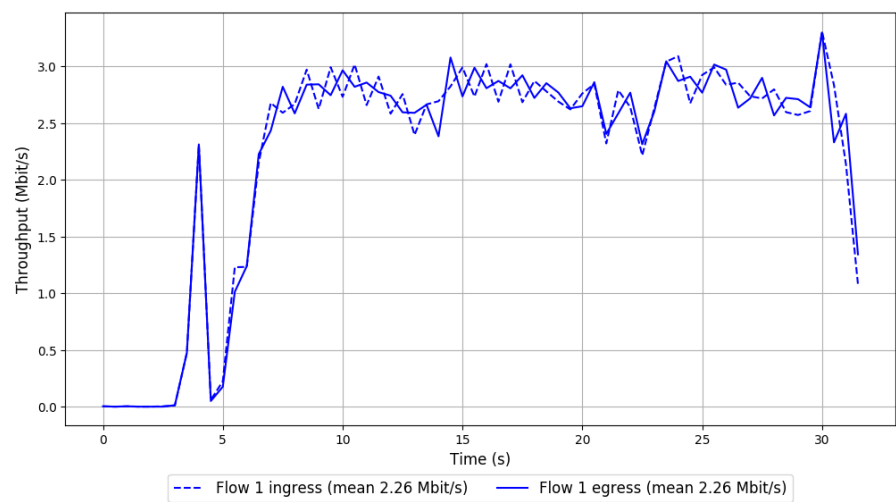
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 57.377 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 23:00:35 +0000

End at: Mon, 24 Jul 2017 23:01:05 +0000

Local clock offset: 0.444 ms

Remote clock offset: 2.335 ms

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 58.363 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 58.363 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

