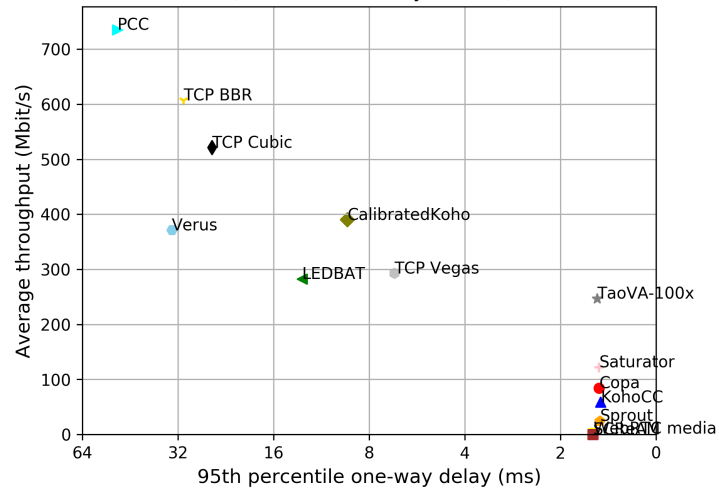


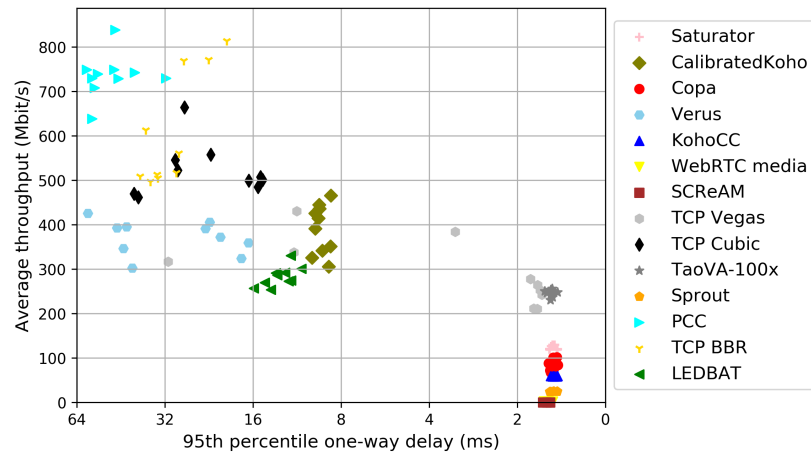
Pantheon Summary (Generated at Tue, 25 Jul 2017 05:27:51 +0000 with pantheon version 266b116f0817a07d000b4d181ce187fd27d3e654)
Repeated the test of 15 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Data path: Stanford Ethernet (*remote*) → AWS California 1 Ethernet (*local*).
NTP offset measured against time.stanford.edu 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
  M scripts/merge-tunnel-logs
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webRTC @ a488197ddd041ace68a42849b2540ad834825f42
```

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	606.56	30.78	0.13
CalibratedKoho	10	390.14	9.37	0.08
Copa	10	84.17	1.19	0.06
TCP Cubic	10	521.20	25.04	0.08
KohoCC	10	58.98	1.16	0.07
LEDBAT	10	282.81	13.02	0.10
PCC	10	734.98	49.59	3.12
QUIC Cubic	10	nan	nan	nan
Saturator	10	122.17	1.19	0.07
SCReAM	10	0.22	1.32	0.11
Sprout	10	24.65	1.18	0.02
TaoVA-100x	10	246.47	1.24	0.07
TCP Vegas	10	292.73	6.67	0.06
Verus	10	371.51	33.49	0.62
WebRTC media	10	2.36	1.30	0.09

Run 1: Statistics of TCP BBR

Start at: Mon, 24 Jul 2017 23:33:21 +0000

End at: Mon, 24 Jul 2017 23:33:51 +0000

Local clock offset: 0.29 ms

Remote clock offset: -2.795 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:46:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 508.82 Mbit/s

95th percentile per-packet one-way delay: 38.941 ms

Loss rate: 0.25%

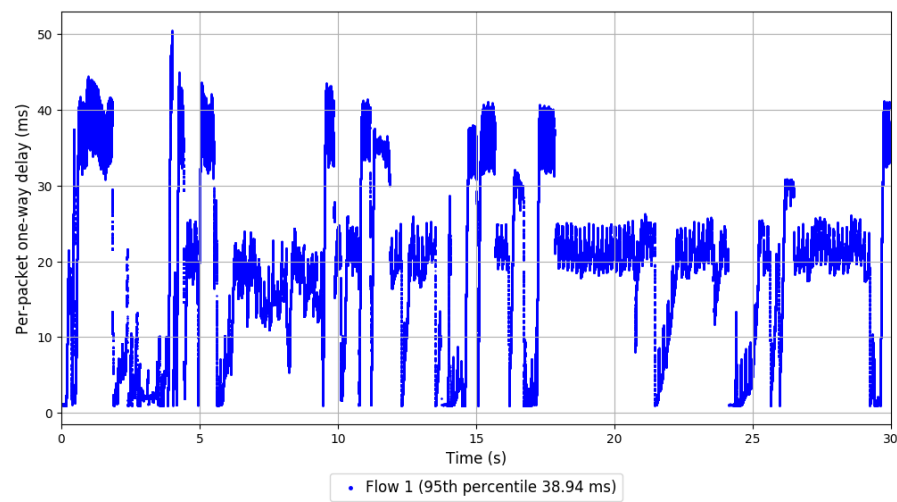
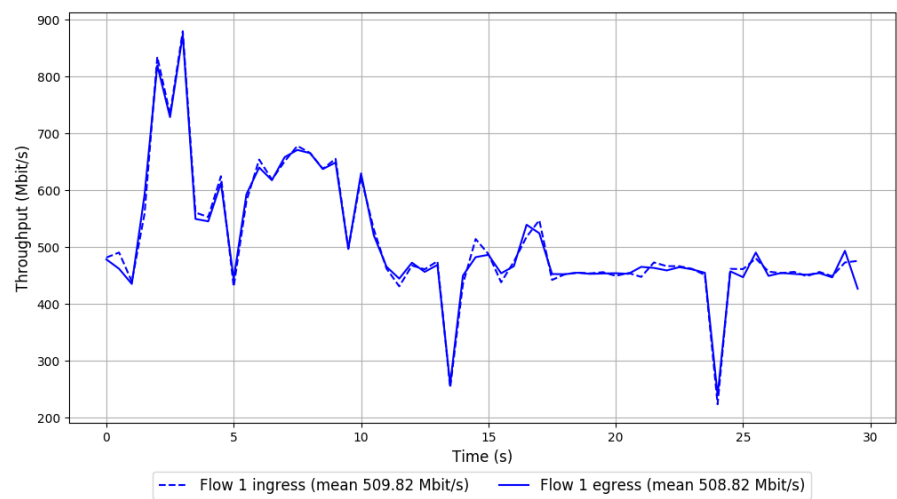
-- Flow 1:

Average throughput: 508.82 Mbit/s

95th percentile per-packet one-way delay: 38.941 ms

Loss rate: 0.25%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Mon, 24 Jul 2017 23:54:10 +0000

End at: Mon, 24 Jul 2017 23:54:40 +0000

Local clock offset: 0.23 ms

Remote clock offset: -2.628 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:46:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 516.44 Mbit/s

95th percentile per-packet one-way delay: 29.238 ms

Loss rate: 0.11%

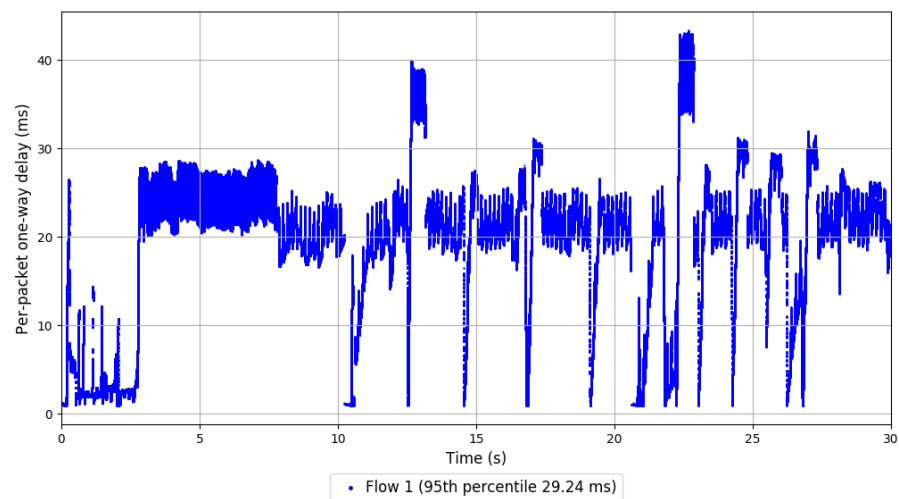
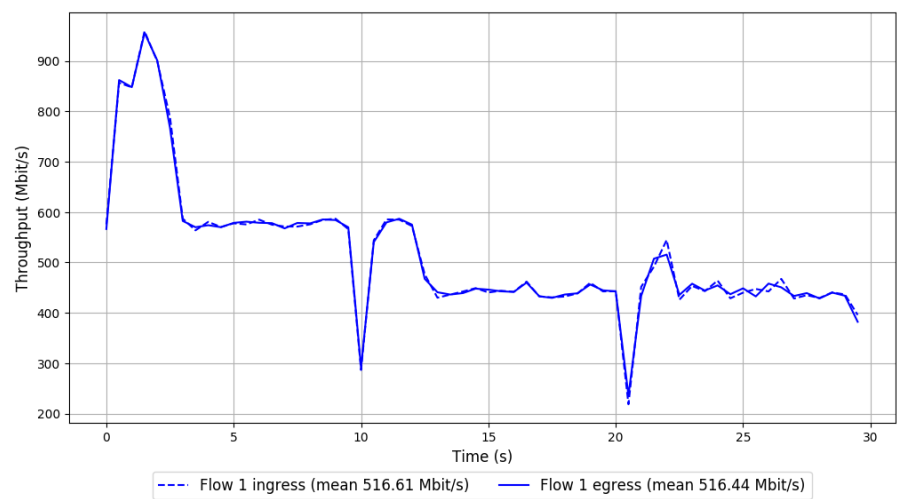
-- Flow 1:

Average throughput: 516.44 Mbit/s

95th percentile per-packet one-way delay: 29.238 ms

Loss rate: 0.11%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Tue, 25 Jul 2017 00:14:51 +0000

End at: Tue, 25 Jul 2017 00:15:21 +0000

Local clock offset: 0.149 ms

Remote clock offset: -2.54 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:47:43 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 612.34 Mbit/s

95th percentile per-packet one-way delay: 37.238 ms

Loss rate: 0.10%

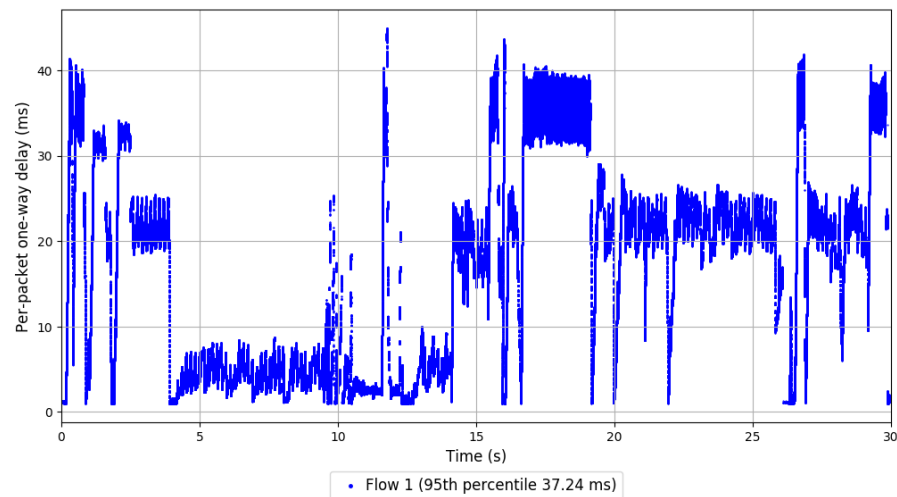
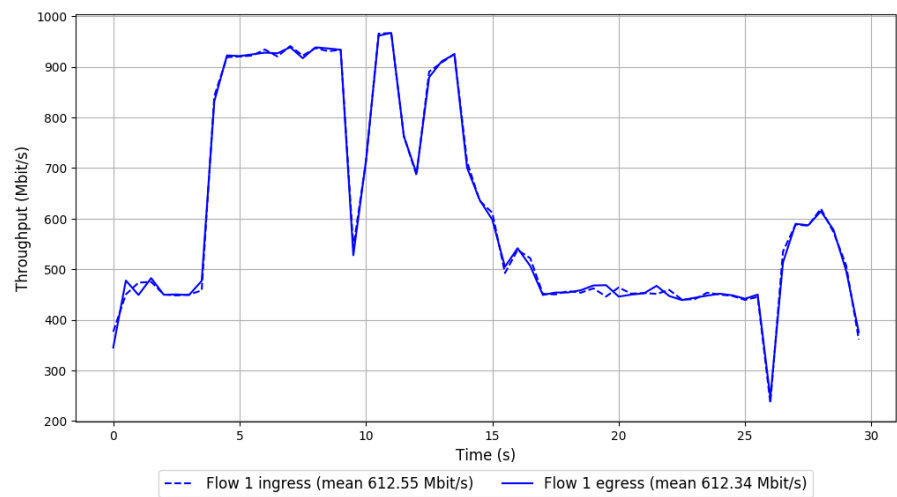
-- Flow 1:

Average throughput: 612.34 Mbit/s

95th percentile per-packet one-way delay: 37.238 ms

Loss rate: 0.10%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Tue, 25 Jul 2017 00:35:50 +0000

End at: Tue, 25 Jul 2017 00:36:20 +0000

Local clock offset: 0.355 ms

Remote clock offset: -2.322 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:47:43 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 496.94 Mbit/s

95th percentile per-packet one-way delay: 35.871 ms

Loss rate: 0.14%

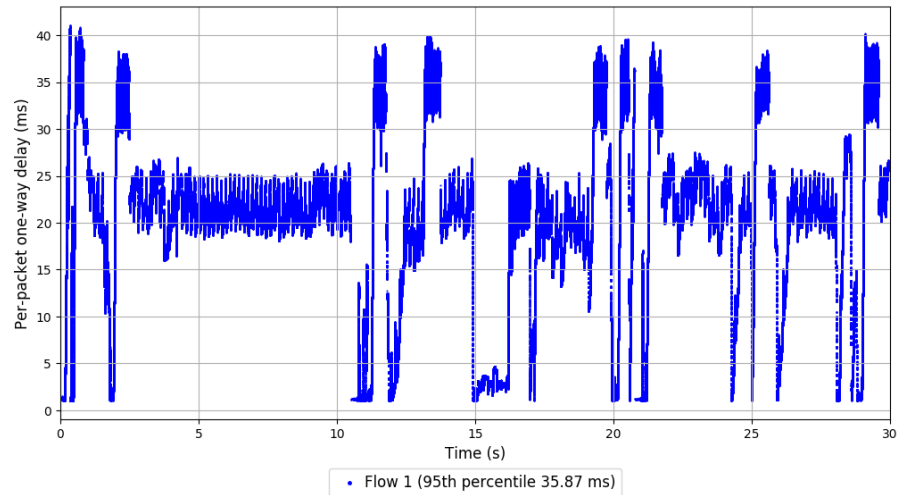
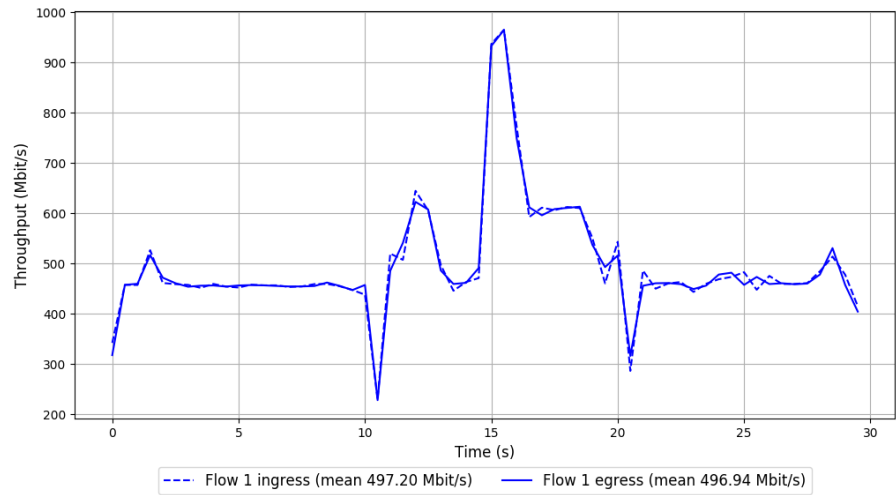
-- Flow 1:

Average throughput: 496.94 Mbit/s

95th percentile per-packet one-way delay: 35.871 ms

Loss rate: 0.14%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Tue, 25 Jul 2017 00:56:41 +0000

End at: Tue, 25 Jul 2017 00:57:11 +0000

Local clock offset: 0.12 ms

Remote clock offset: -1.93 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:48:42 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 512.51 Mbit/s

95th percentile per-packet one-way delay: 34.055 ms

Loss rate: 0.14%

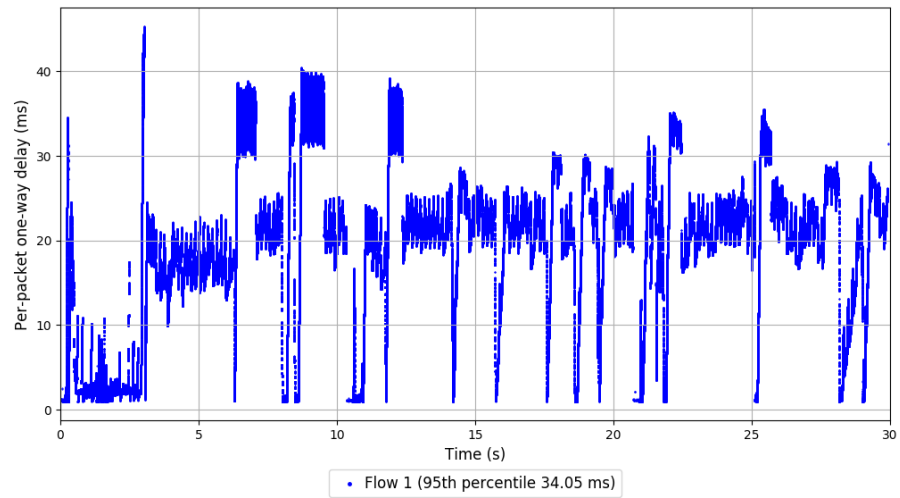
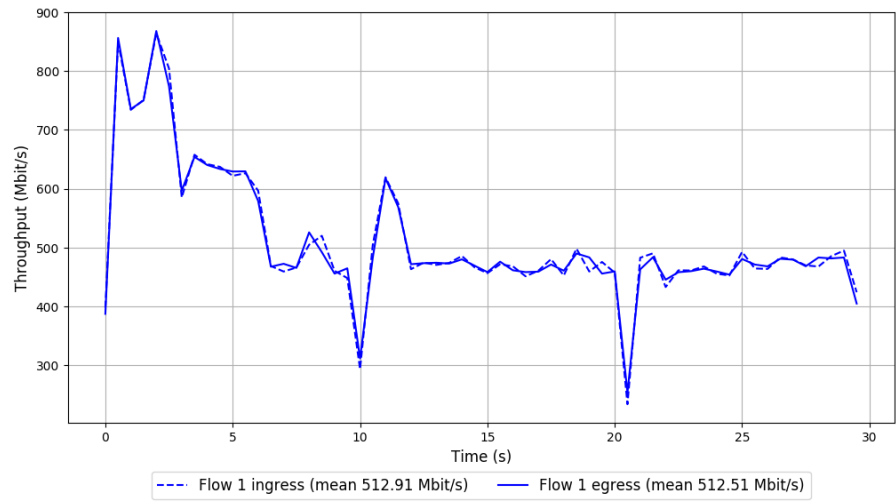
-- Flow 1:

Average throughput: 512.51 Mbit/s

95th percentile per-packet one-way delay: 34.055 ms

Loss rate: 0.14%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Tue, 25 Jul 2017 01:17:29 +0000

End at: Tue, 25 Jul 2017 01:17:59 +0000

Local clock offset: 0.31 ms

Remote clock offset: -1.774 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:48:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 505.13 Mbit/s

95th percentile per-packet one-way delay: 33.821 ms

Loss rate: 0.15%

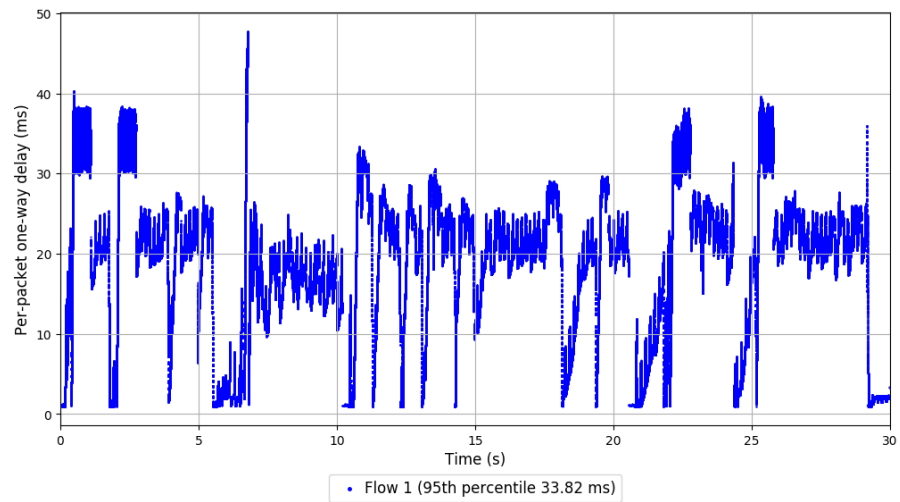
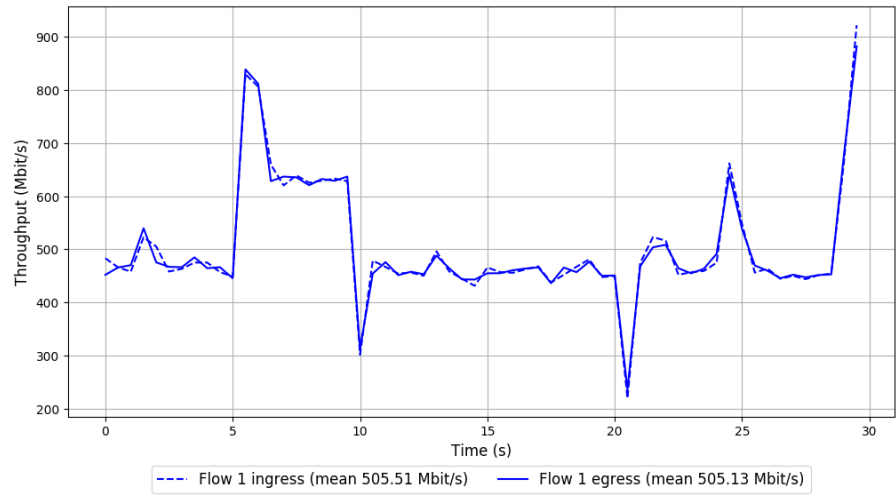
-- Flow 1:

Average throughput: 505.13 Mbit/s

95th percentile per-packet one-way delay: 33.821 ms

Loss rate: 0.15%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Tue, 25 Jul 2017 01:38:03 +0000

End at: Tue, 25 Jul 2017 01:38:33 +0000

Local clock offset: 0.228 ms

Remote clock offset: -1.524 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:50:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 770.83 Mbit/s

95th percentile per-packet one-way delay: 22.710 ms

Loss rate: 0.10%

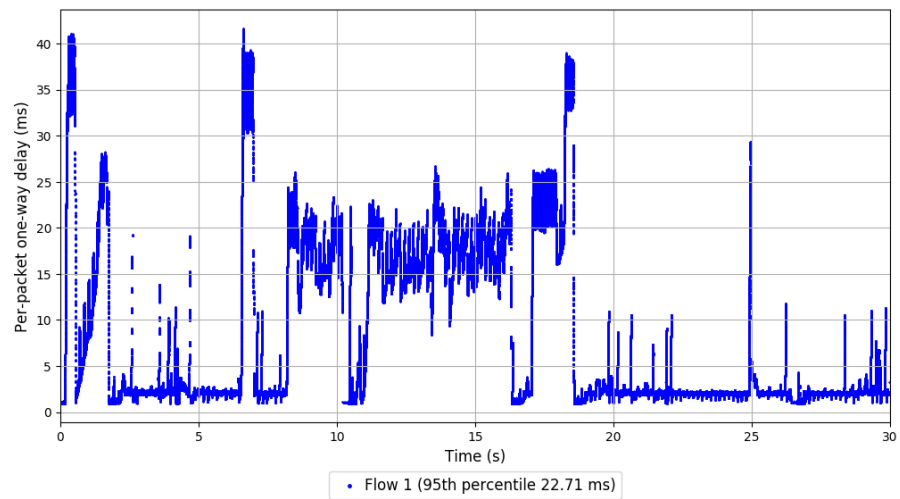
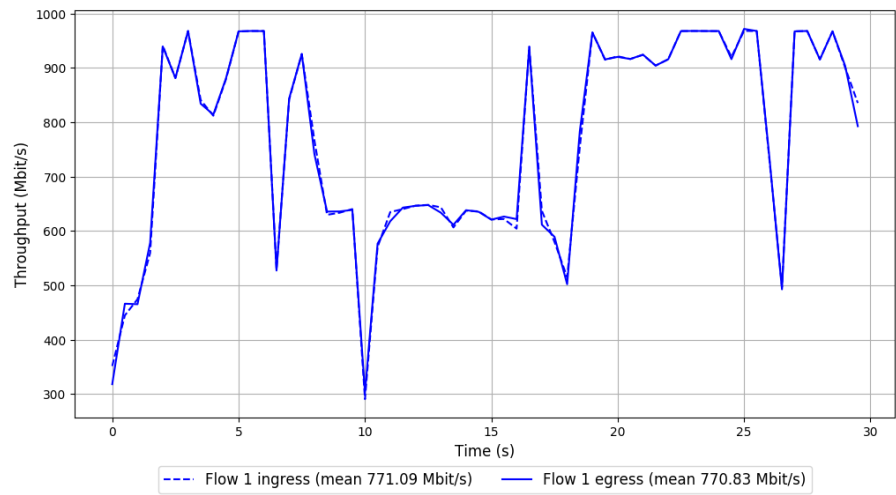
-- Flow 1:

Average throughput: 770.83 Mbit/s

95th percentile per-packet one-way delay: 22.710 ms

Loss rate: 0.10%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Tue, 25 Jul 2017 01:58:48 +0000

End at: Tue, 25 Jul 2017 01:59:18 +0000

Local clock offset: 0.262 ms

Remote clock offset: -2.043 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:50:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 768.55 Mbit/s

95th percentile per-packet one-way delay: 27.589 ms

Loss rate: 0.11%

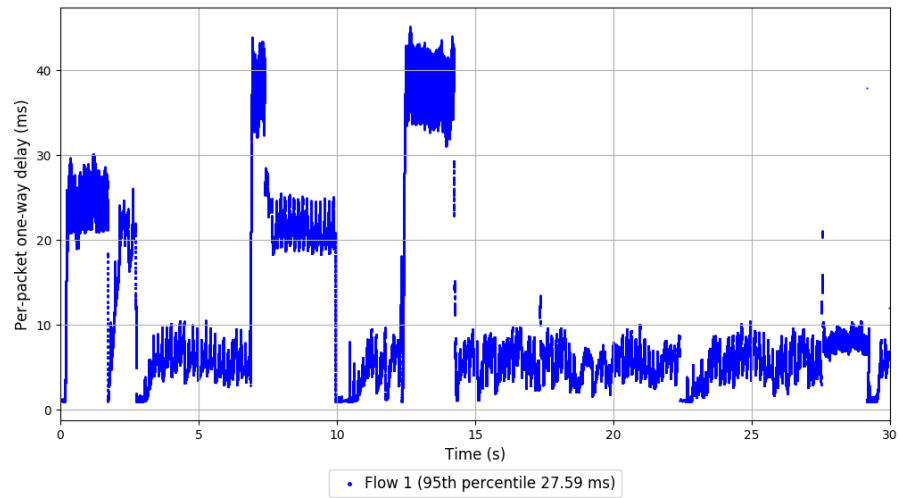
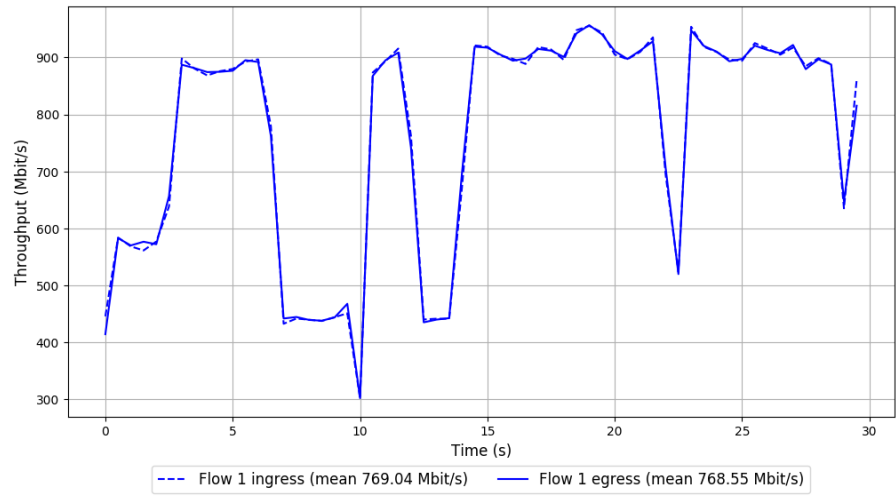
-- Flow 1:

Average throughput: 768.55 Mbit/s

95th percentile per-packet one-way delay: 27.589 ms

Loss rate: 0.11%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Tue, 25 Jul 2017 02:19:52 +0000

End at: Tue, 25 Jul 2017 02:20:22 +0000

Local clock offset: 0.418 ms

Remote clock offset: -2.446 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:51:10 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 561.04 Mbit/s

95th percentile per-packet one-way delay: 28.652 ms

Loss rate: 0.07%

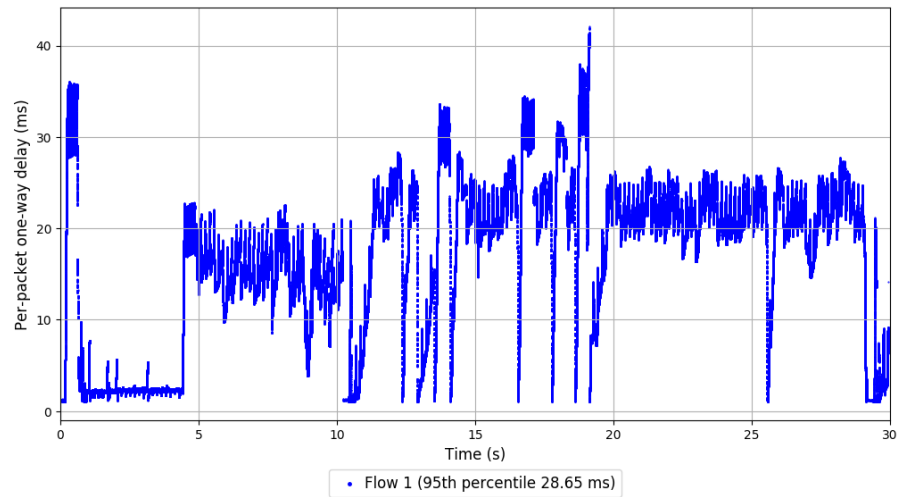
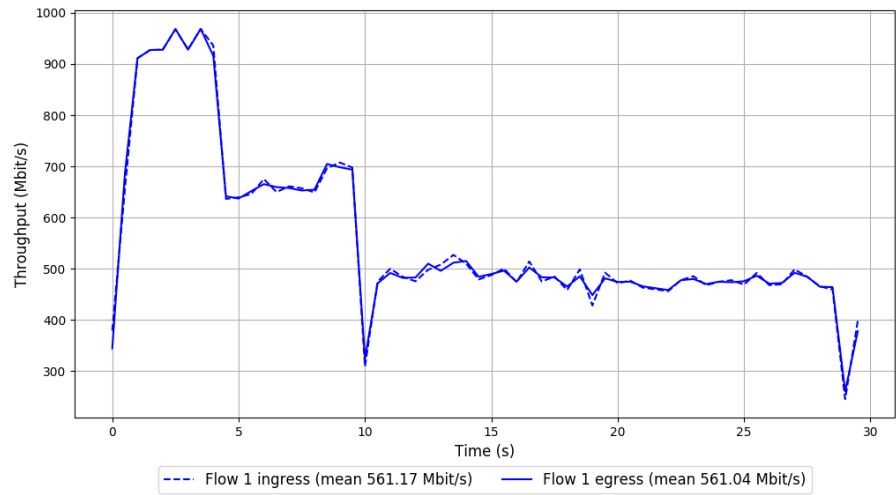
-- Flow 1:

Average throughput: 561.04 Mbit/s

95th percentile per-packet one-way delay: 28.652 ms

Loss rate: 0.07%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Tue, 25 Jul 2017 02:40:47 +0000

End at: Tue, 25 Jul 2017 02:41:17 +0000

Local clock offset: 0.531 ms

Remote clock offset: -2.466 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:51:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 813.02 Mbit/s

95th percentile per-packet one-way delay: 19.665 ms

Loss rate: 0.12%

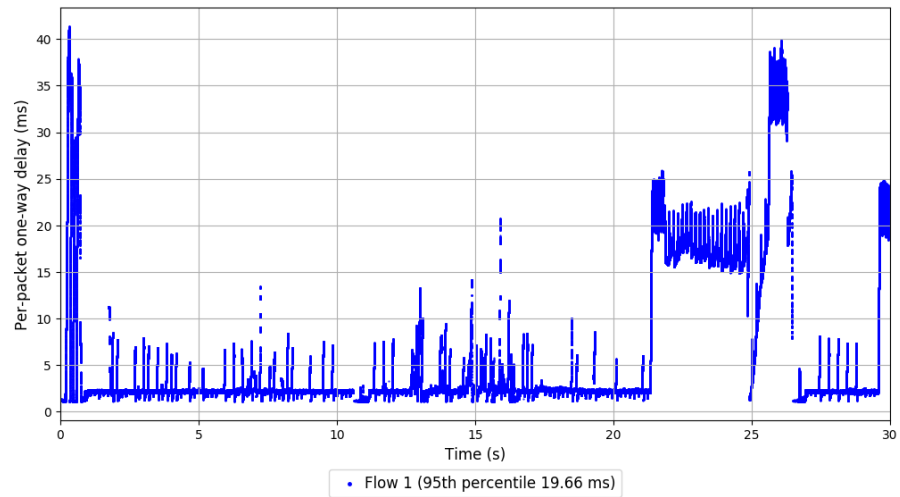
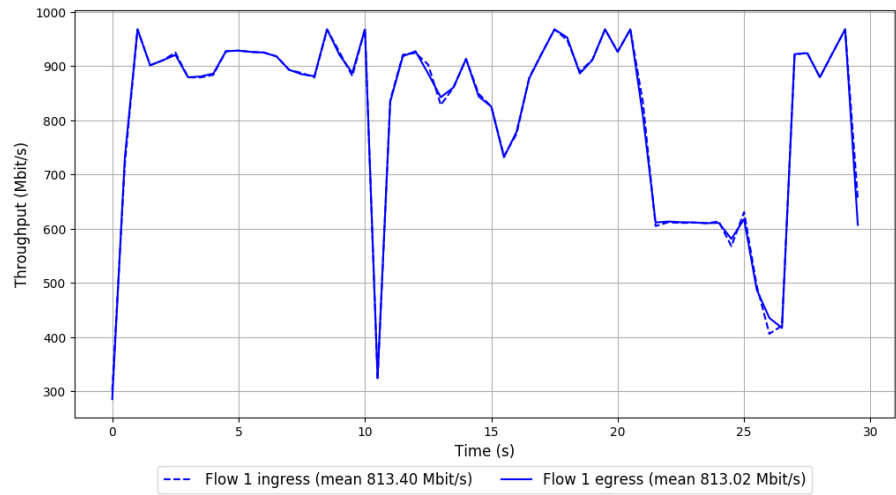
-- Flow 1:

Average throughput: 813.02 Mbit/s

95th percentile per-packet one-way delay: 19.665 ms

Loss rate: 0.12%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Mon, 24 Jul 2017 23:40:23 +0000

End at: Mon, 24 Jul 2017 23:40:53 +0000

Local clock offset: 0.366 ms

Remote clock offset: -2.802 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:52:20 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 465.89 Mbit/s

95th percentile per-packet one-way delay: 8.677 ms

Loss rate: 0.09%

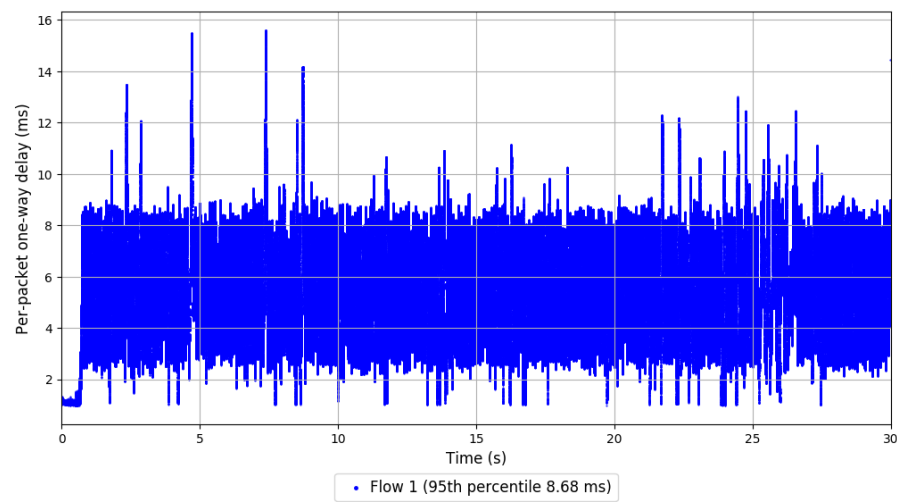
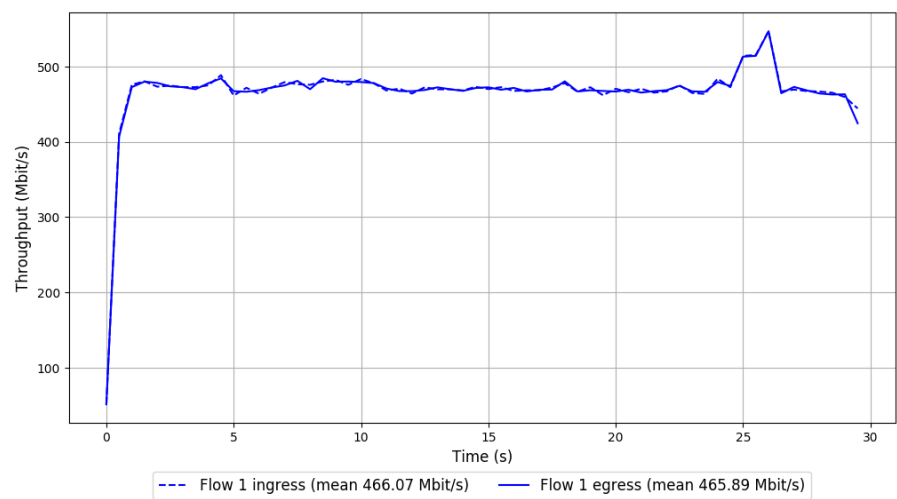
-- Flow 1:

Average throughput: 465.89 Mbit/s

95th percentile per-packet one-way delay: 8.677 ms

Loss rate: 0.09%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Tue, 25 Jul 2017 00:01:11 +0000

End at: Tue, 25 Jul 2017 00:01:41 +0000

Local clock offset: 0.275 ms

Remote clock offset: -2.624 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:52:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 390.98 Mbit/s

95th percentile per-packet one-way delay: 9.798 ms

Loss rate: 0.06%

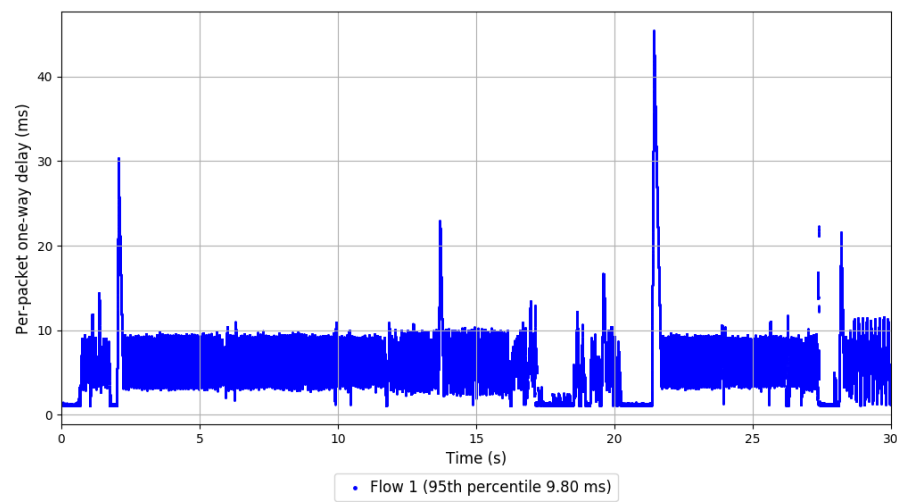
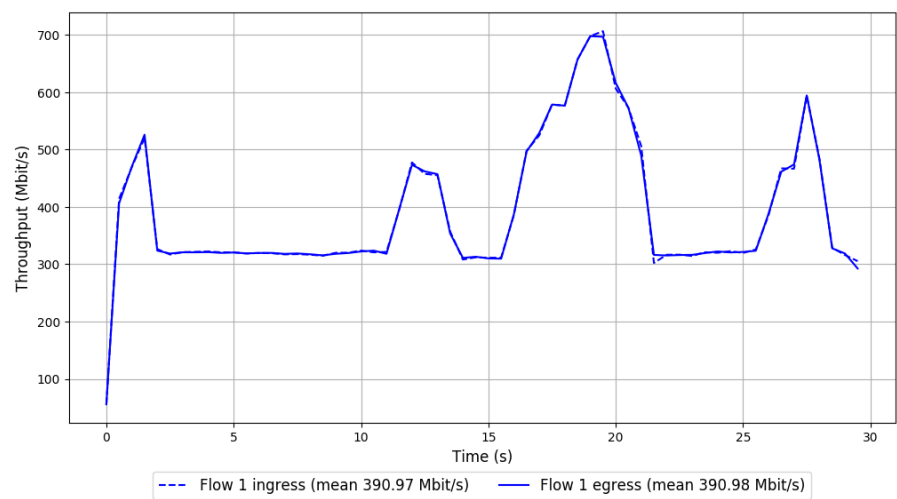
-- Flow 1:

Average throughput: 390.98 Mbit/s

95th percentile per-packet one-way delay: 9.798 ms

Loss rate: 0.06%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Tue, 25 Jul 2017 00:21:59 +0000

End at: Tue, 25 Jul 2017 00:22:29 +0000

Local clock offset: 0.1 ms

Remote clock offset: -2.446 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:53:11 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 435.81 Mbit/s

95th percentile per-packet one-way delay: 9.493 ms

Loss rate: 0.07%

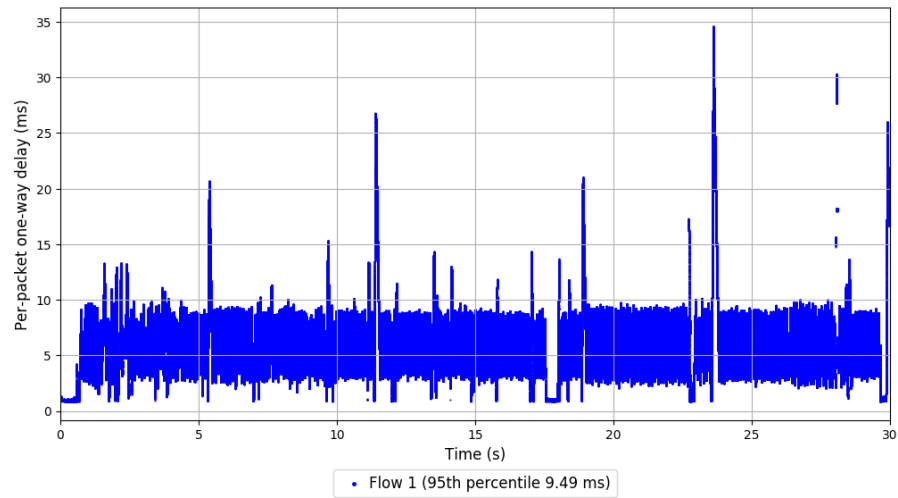
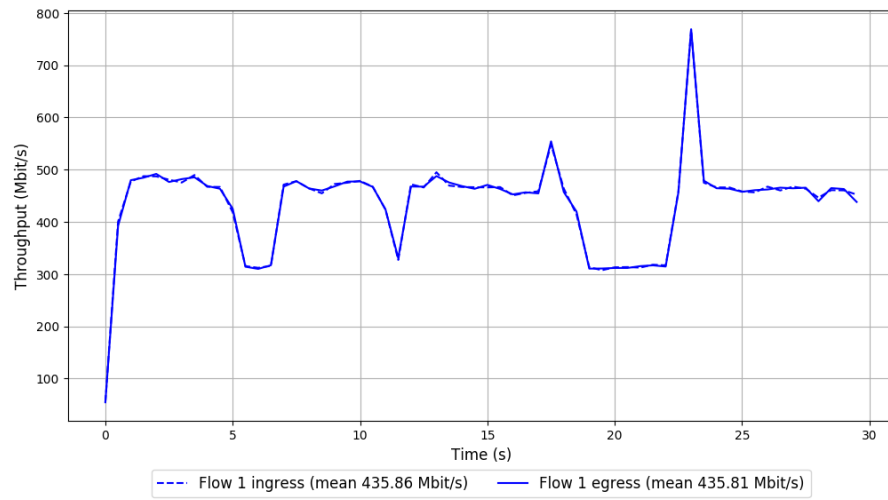
-- Flow 1:

Average throughput: 435.81 Mbit/s

95th percentile per-packet one-way delay: 9.493 ms

Loss rate: 0.07%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Tue, 25 Jul 2017 00:42:51 +0000

End at: Tue, 25 Jul 2017 00:43:21 +0000

Local clock offset: 0.193 ms

Remote clock offset: -2.115 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:53:41 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 444.60 Mbit/s

95th percentile per-packet one-way delay: 9.507 ms

Loss rate: 0.08%

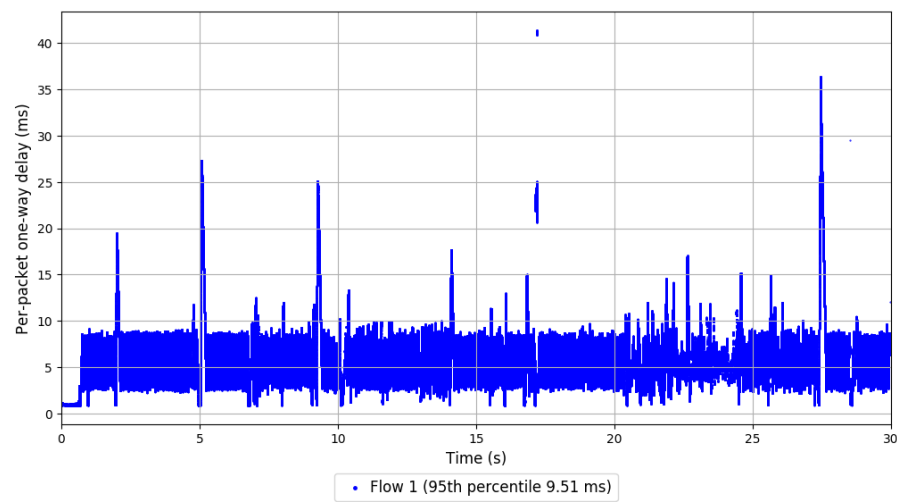
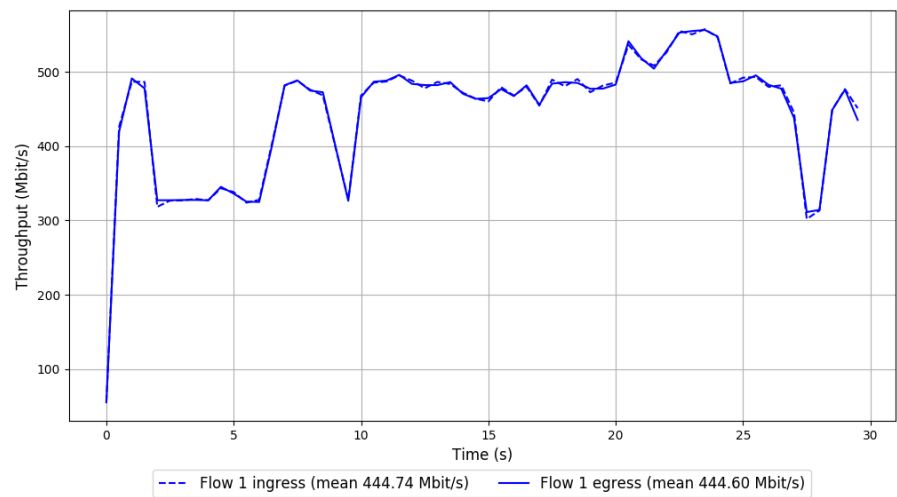
-- Flow 1:

Average throughput: 444.60 Mbit/s

95th percentile per-packet one-way delay: 9.507 ms

Loss rate: 0.08%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Tue, 25 Jul 2017 01:03:45 +0000

End at: Tue, 25 Jul 2017 01:04:15 +0000

Local clock offset: 0.153 ms

Remote clock offset: -1.781 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:54:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 425.22 Mbit/s

95th percentile per-packet one-way delay: 9.809 ms

Loss rate: 0.09%

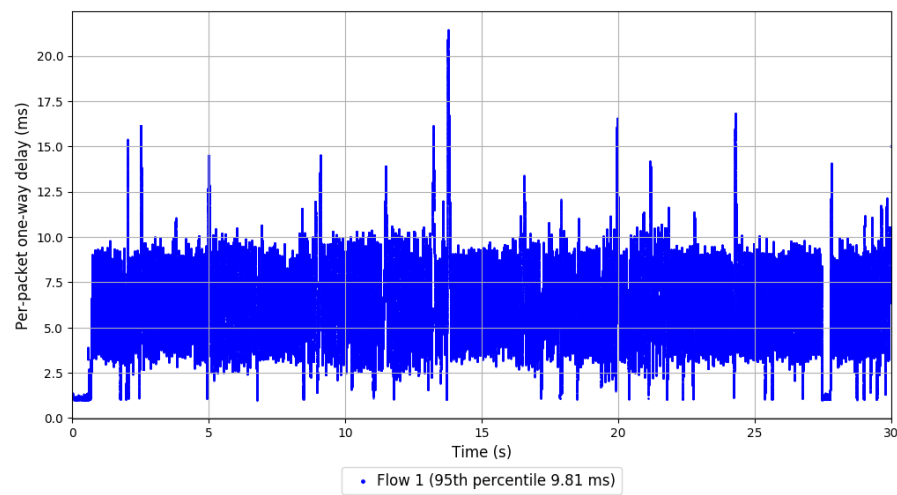
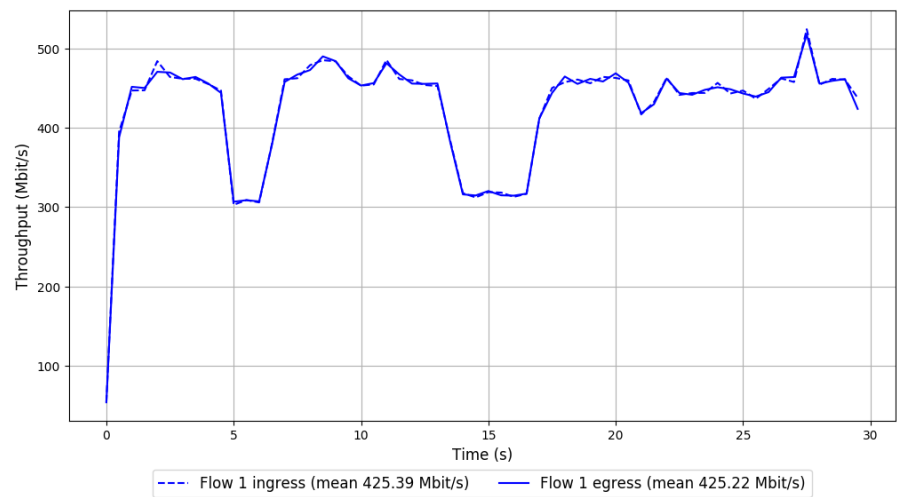
-- Flow 1:

Average throughput: 425.22 Mbit/s

95th percentile per-packet one-way delay: 9.809 ms

Loss rate: 0.09%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Tue, 25 Jul 2017 01:24:28 +0000

End at: Tue, 25 Jul 2017 01:24:58 +0000

Local clock offset: 0.407 ms

Remote clock offset: -1.717 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:54:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 351.32 Mbit/s

95th percentile per-packet one-way delay: 8.703 ms

Loss rate: 0.09%

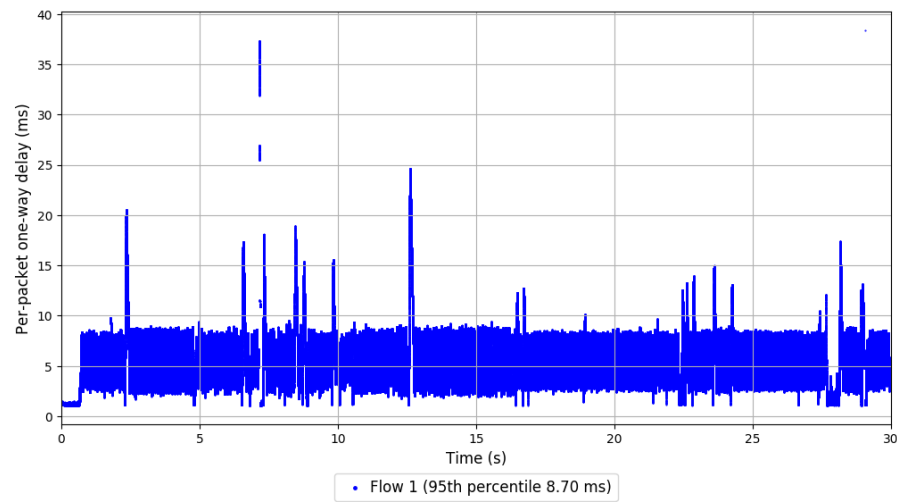
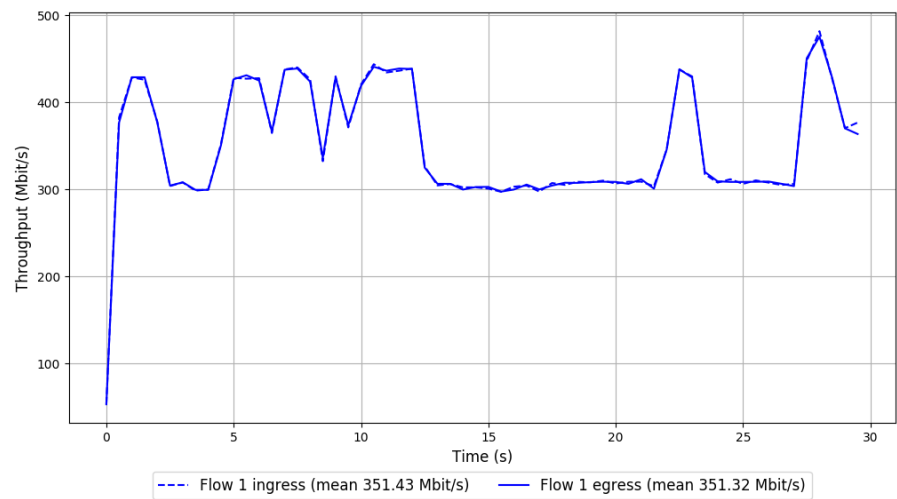
-- Flow 1:

Average throughput: 351.32 Mbit/s

95th percentile per-packet one-way delay: 8.703 ms

Loss rate: 0.09%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Tue, 25 Jul 2017 01:45:15 +0000

End at: Tue, 25 Jul 2017 01:45:45 +0000

Local clock offset: 0.134 ms

Remote clock offset: -1.72 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:54:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 325.77 Mbit/s

95th percentile per-packet one-way delay: 10.064 ms

Loss rate: 0.11%

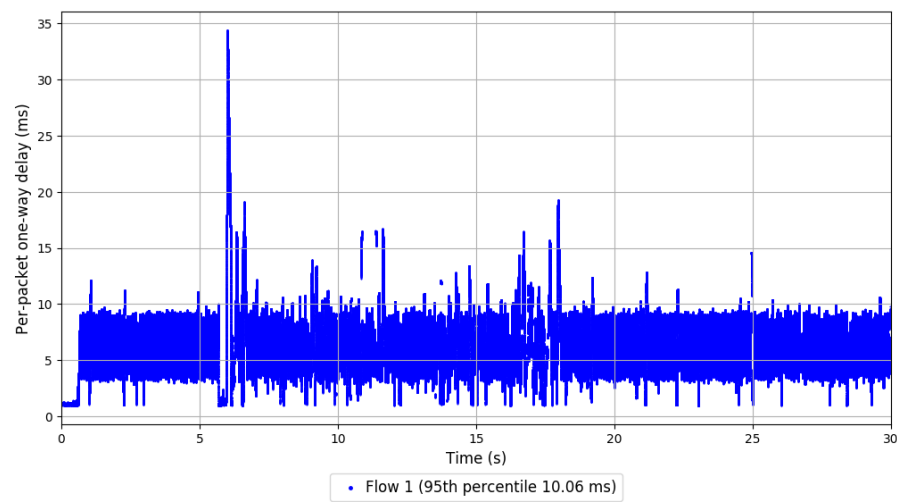
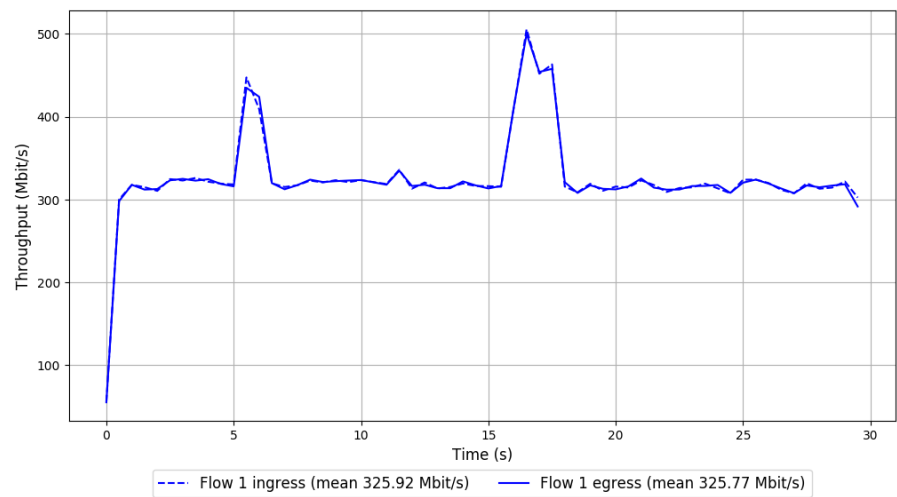
-- Flow 1:

Average throughput: 325.77 Mbit/s

95th percentile per-packet one-way delay: 10.064 ms

Loss rate: 0.11%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Tue, 25 Jul 2017 02:06:04 +0000

End at: Tue, 25 Jul 2017 02:06:34 +0000

Local clock offset: 0.322 ms

Remote clock offset: -2.265 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:55:05 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 305.43 Mbit/s

95th percentile per-packet one-way delay: 8.819 ms

Loss rate: 0.07%

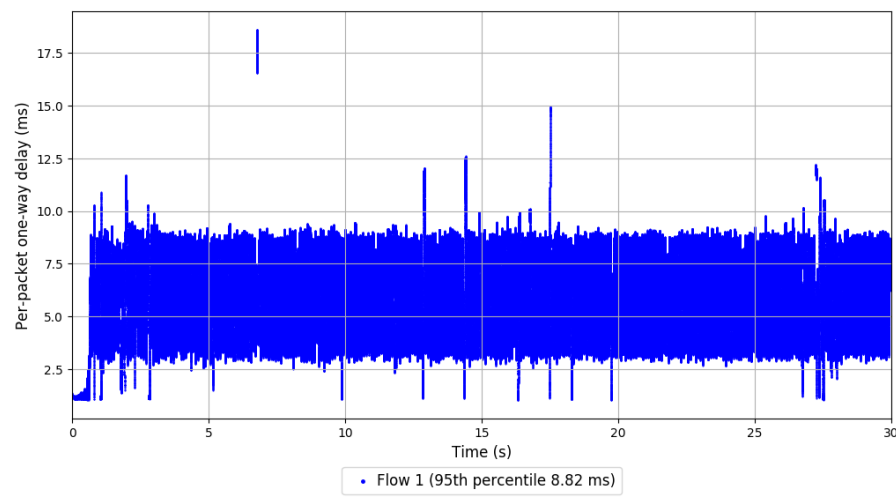
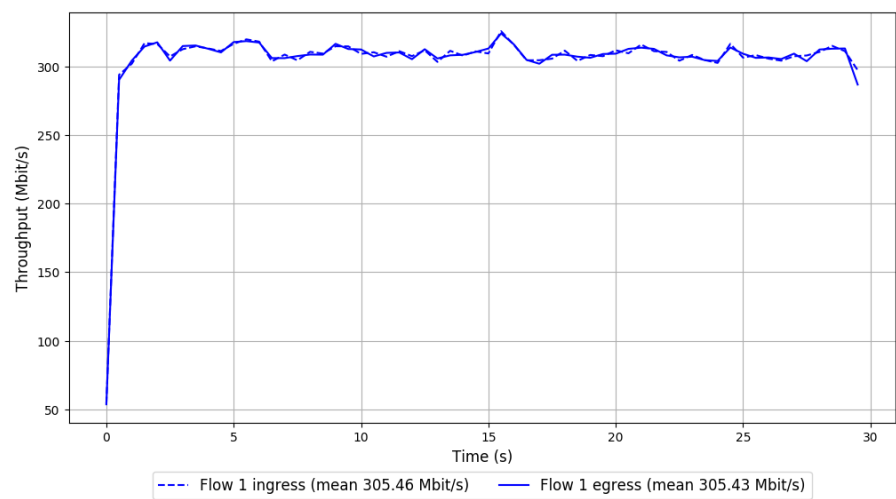
-- Flow 1:

Average throughput: 305.43 Mbit/s

95th percentile per-packet one-way delay: 8.819 ms

Loss rate: 0.07%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Tue, 25 Jul 2017 02:26:58 +0000

End at: Tue, 25 Jul 2017 02:27:28 +0000

Local clock offset: 0.408 ms

Remote clock offset: -2.424 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:55:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 341.64 Mbit/s

95th percentile per-packet one-way delay: 9.279 ms

Loss rate: 0.10%

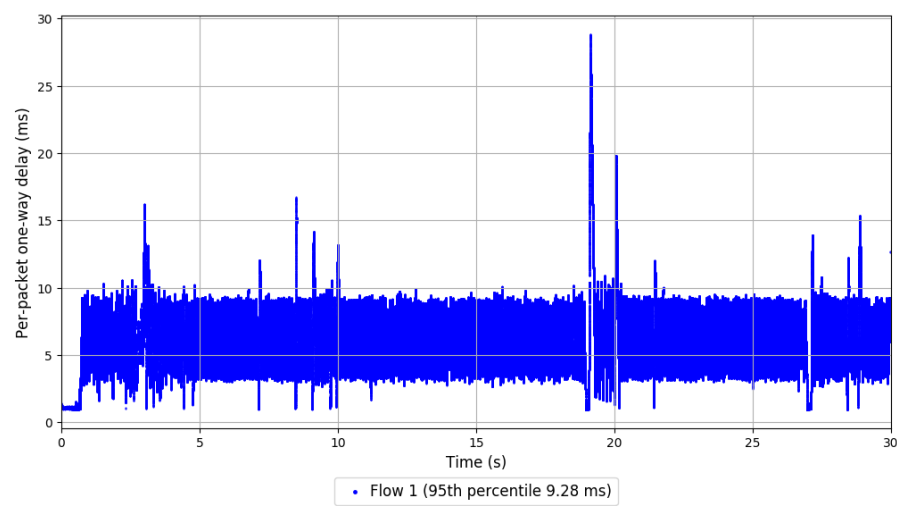
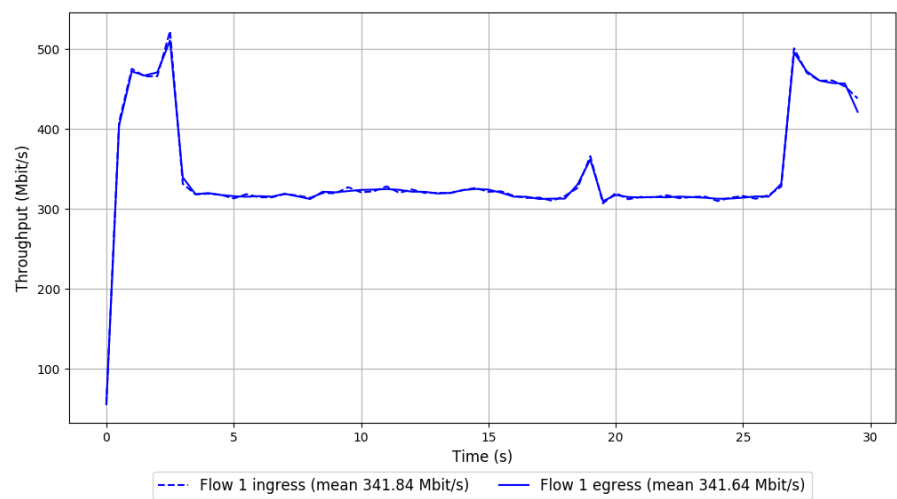
-- Flow 1:

Average throughput: 341.64 Mbit/s

95th percentile per-packet one-way delay: 9.279 ms

Loss rate: 0.10%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Tue, 25 Jul 2017 02:48:03 +0000

End at: Tue, 25 Jul 2017 02:48:33 +0000

Local clock offset: 0.536 ms

Remote clock offset: -2.357 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:56:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 414.70 Mbit/s

95th percentile per-packet one-way delay: 9.567 ms

Loss rate: 0.07%

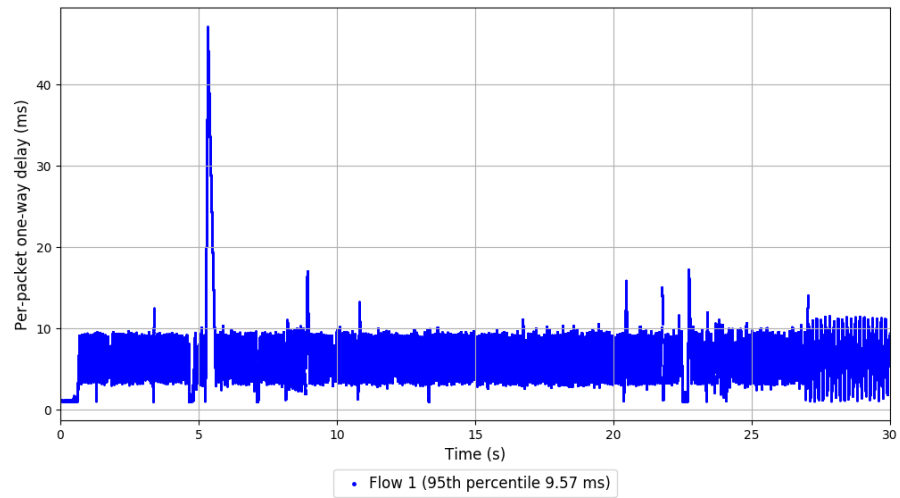
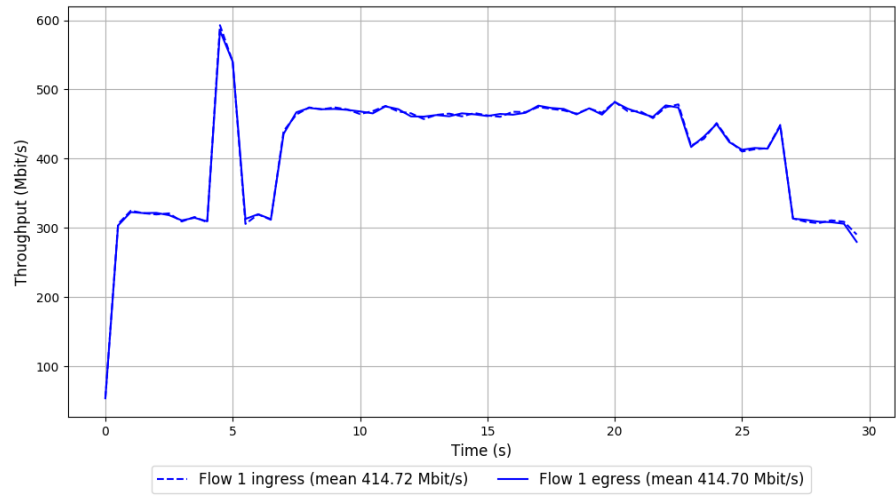
-- Flow 1:

Average throughput: 414.70 Mbit/s

95th percentile per-packet one-way delay: 9.567 ms

Loss rate: 0.07%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Mon, 24 Jul 2017 23:34:55 +0000

End at: Mon, 24 Jul 2017 23:35:25 +0000

Local clock offset: 0.387 ms

Remote clock offset: -2.804 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:56:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 67.15 Mbit/s

95th percentile per-packet one-way delay: 1.238 ms

Loss rate: 0.07%

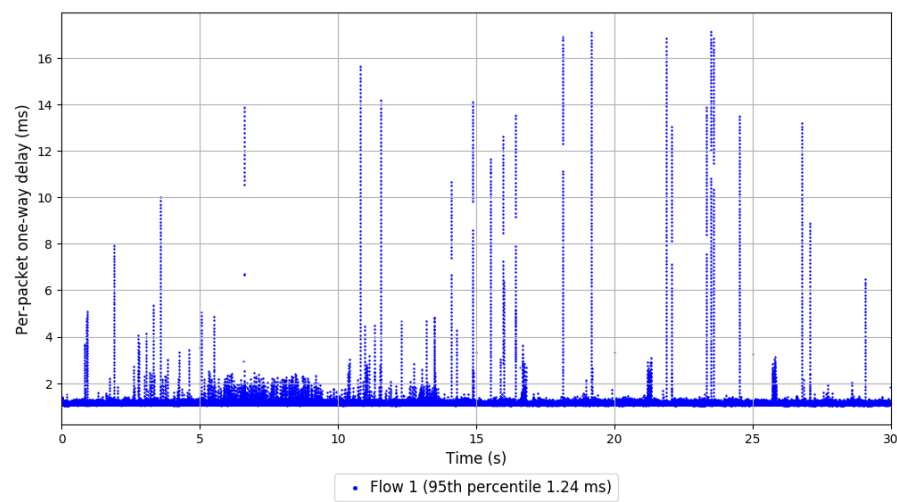
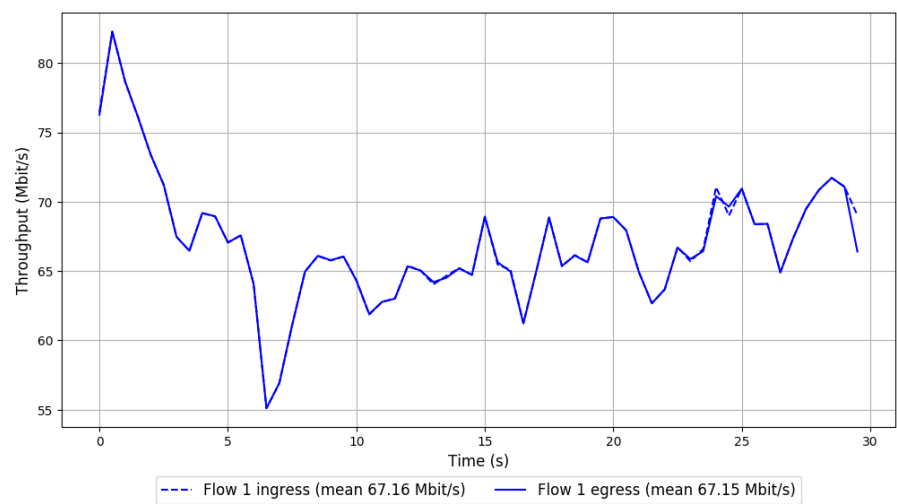
-- Flow 1:

Average throughput: 67.15 Mbit/s

95th percentile per-packet one-way delay: 1.238 ms

Loss rate: 0.07%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Mon, 24 Jul 2017 23:55:44 +0000

End at: Mon, 24 Jul 2017 23:56:14 +0000

Local clock offset: 0.323 ms

Remote clock offset: -2.618 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:56:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.79 Mbit/s

95th percentile per-packet one-way delay: 1.178 ms

Loss rate: 0.06%

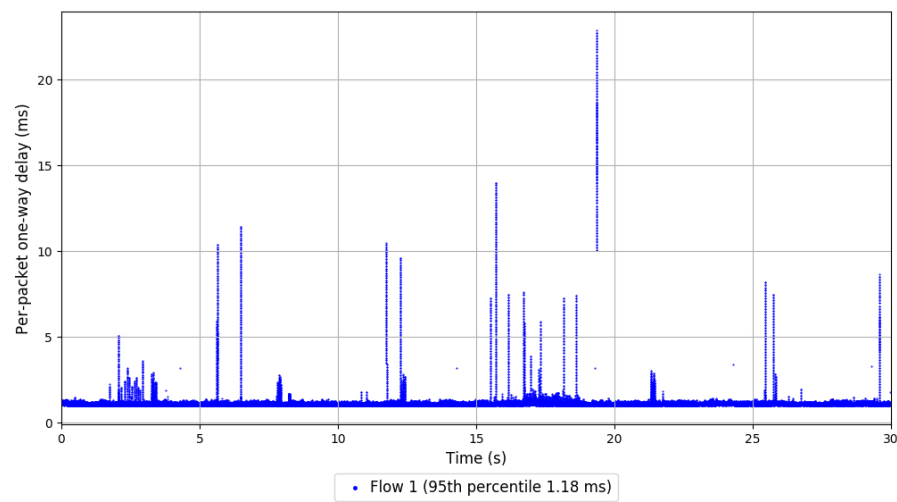
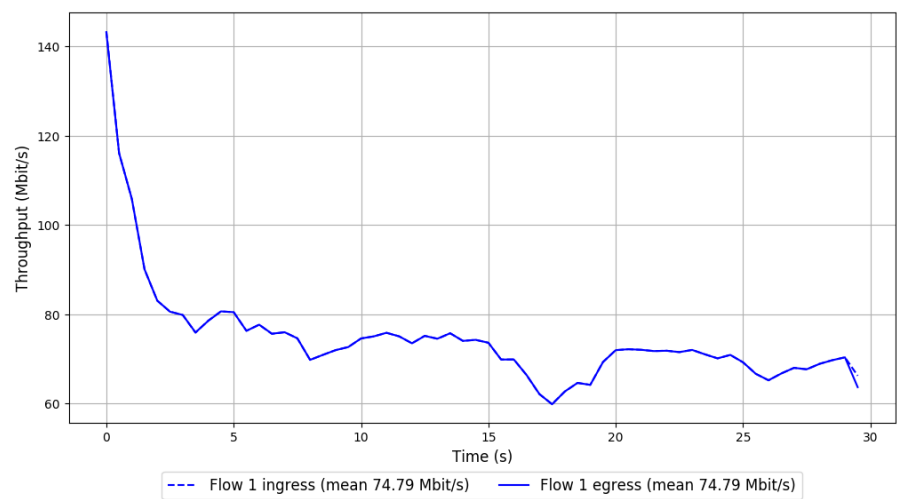
-- Flow 1:

Average throughput: 74.79 Mbit/s

95th percentile per-packet one-way delay: 1.178 ms

Loss rate: 0.06%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Tue, 25 Jul 2017 00:16:31 +0000

End at: Tue, 25 Jul 2017 00:17:01 +0000

Local clock offset: 0.172 ms

Remote clock offset: -2.605 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:56:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.27 Mbit/s

95th percentile per-packet one-way delay: 1.254 ms

Loss rate: 0.06%

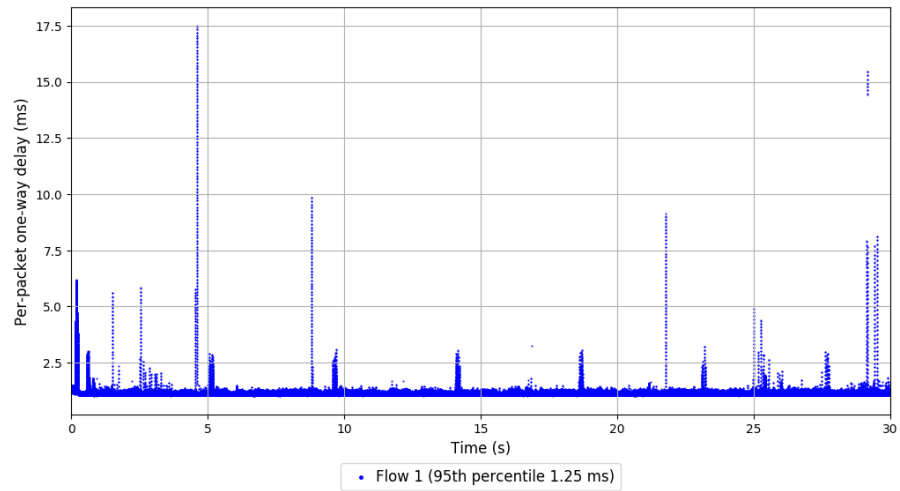
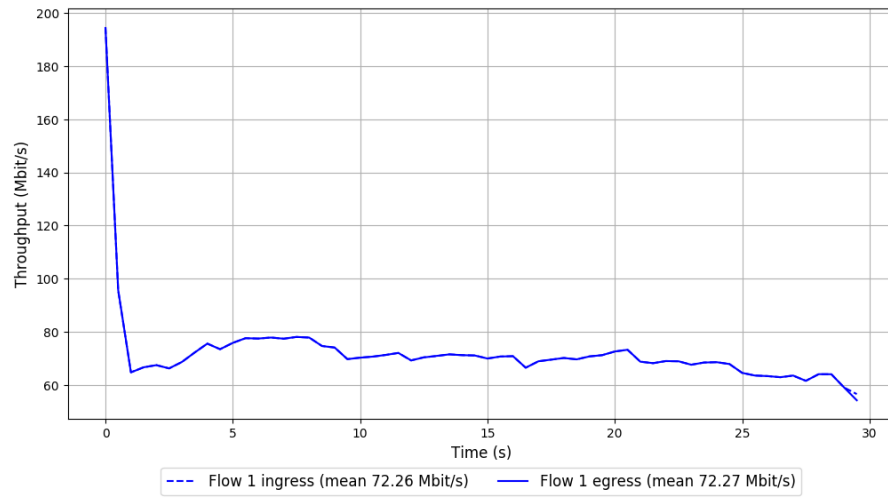
-- Flow 1:

Average throughput: 72.27 Mbit/s

95th percentile per-packet one-way delay: 1.254 ms

Loss rate: 0.06%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Tue, 25 Jul 2017 00:37:24 +0000

End at: Tue, 25 Jul 2017 00:37:54 +0000

Local clock offset: 0.336 ms

Remote clock offset: -2.282 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:56:25 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.43 Mbit/s

95th percentile per-packet one-way delay: 1.192 ms

Loss rate: 0.06%

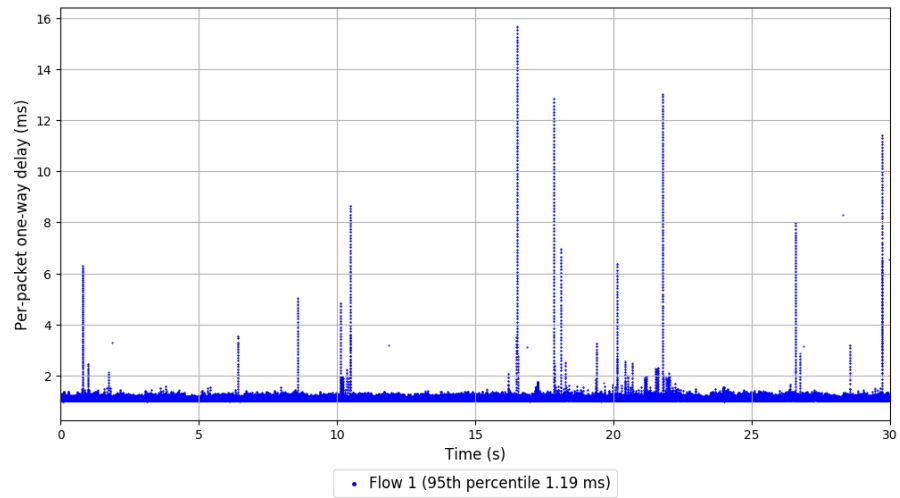
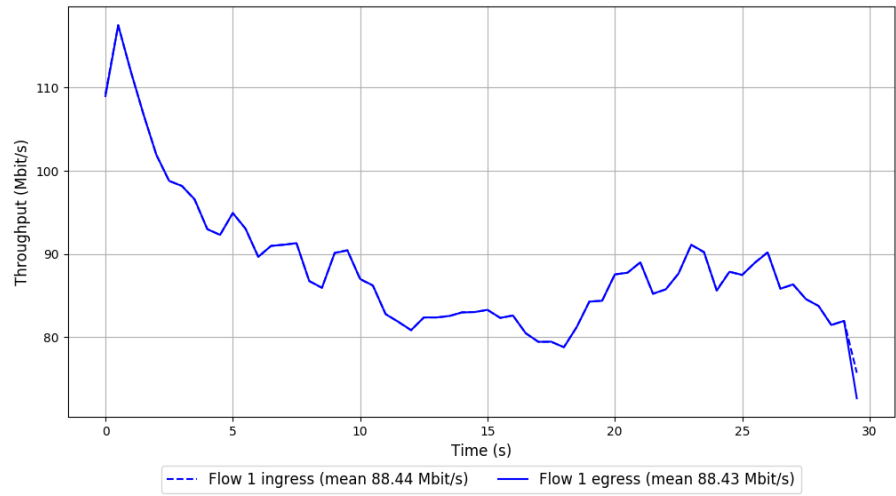
-- Flow 1:

Average throughput: 88.43 Mbit/s

95th percentile per-packet one-way delay: 1.192 ms

Loss rate: 0.06%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Tue, 25 Jul 2017 00:58:15 +0000

End at: Tue, 25 Jul 2017 00:58:45 +0000

Local clock offset: 0.117 ms

Remote clock offset: -1.832 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:56:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.43 Mbit/s

95th percentile per-packet one-way delay: 1.077 ms

Loss rate: 0.06%

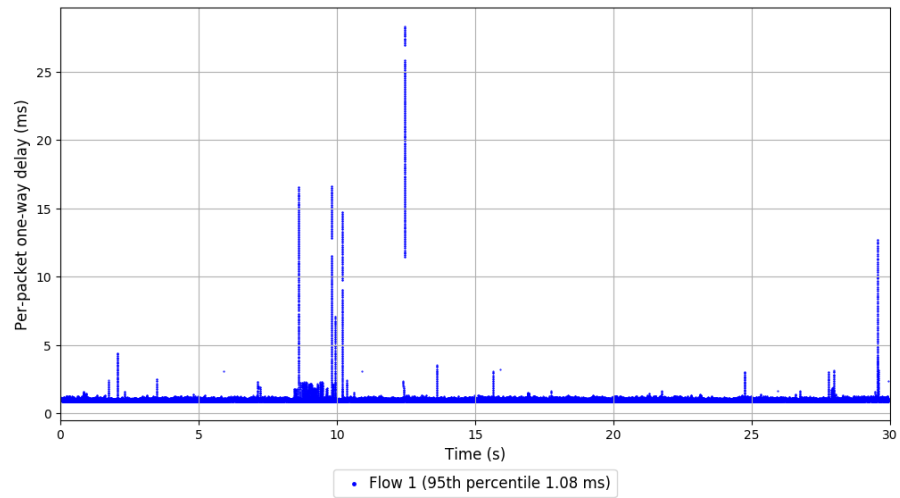
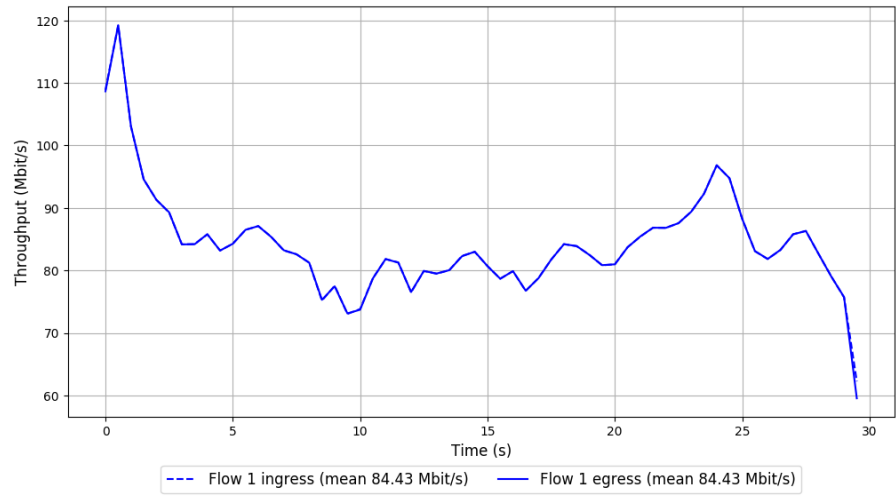
-- Flow 1:

Average throughput: 84.43 Mbit/s

95th percentile per-packet one-way delay: 1.077 ms

Loss rate: 0.06%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Tue, 25 Jul 2017 01:19:02 +0000

End at: Tue, 25 Jul 2017 01:19:32 +0000

Local clock offset: 0.4 ms

Remote clock offset: -1.729 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:56:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.80 Mbit/s

95th percentile per-packet one-way delay: 1.206 ms

Loss rate: 0.06%

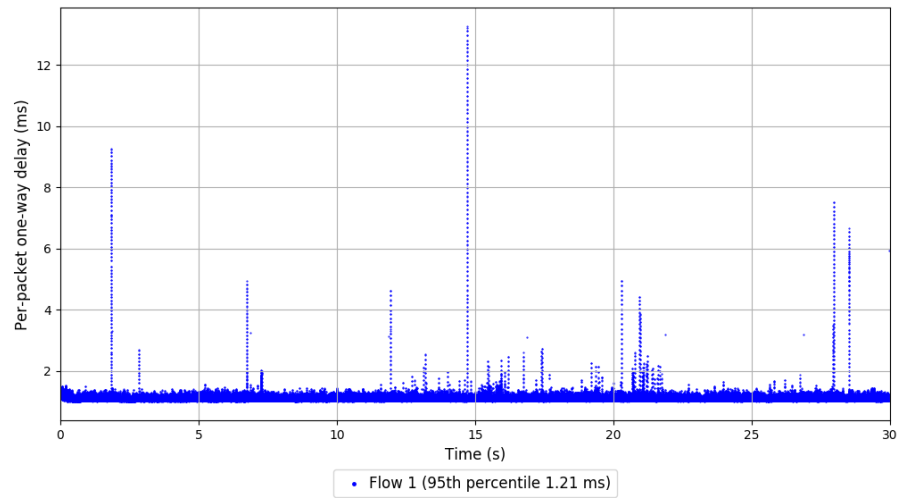
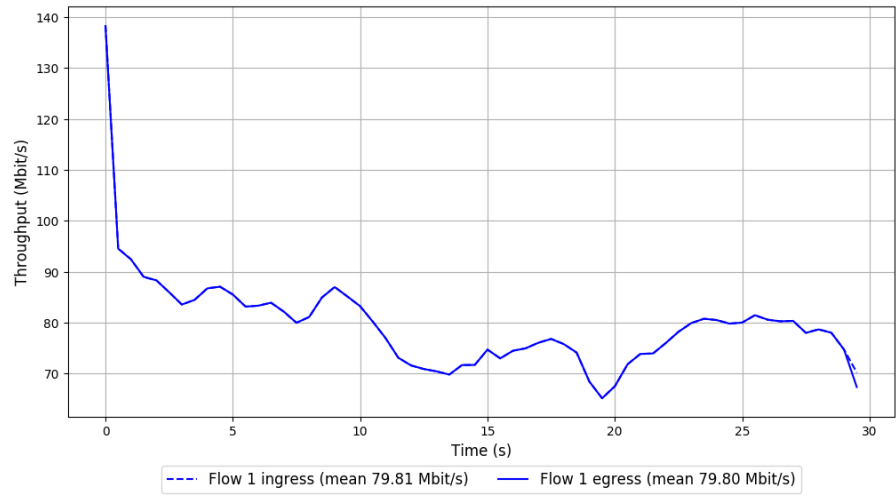
-- Flow 1:

Average throughput: 79.80 Mbit/s

95th percentile per-packet one-way delay: 1.206 ms

Loss rate: 0.06%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Tue, 25 Jul 2017 01:39:50 +0000

End at: Tue, 25 Jul 2017 01:40:20 +0000

Local clock offset: 0.296 ms

Remote clock offset: -1.493 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:56:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.22 Mbit/s

95th percentile per-packet one-way delay: 1.173 ms

Loss rate: 0.07%

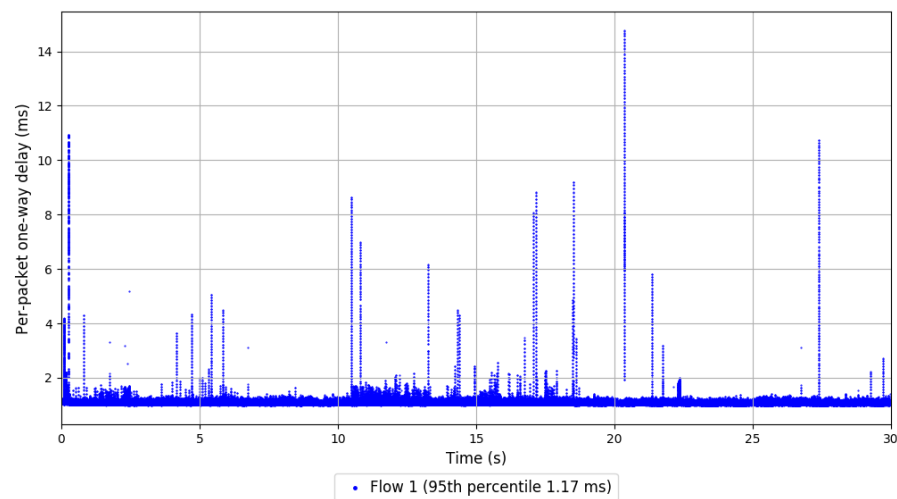
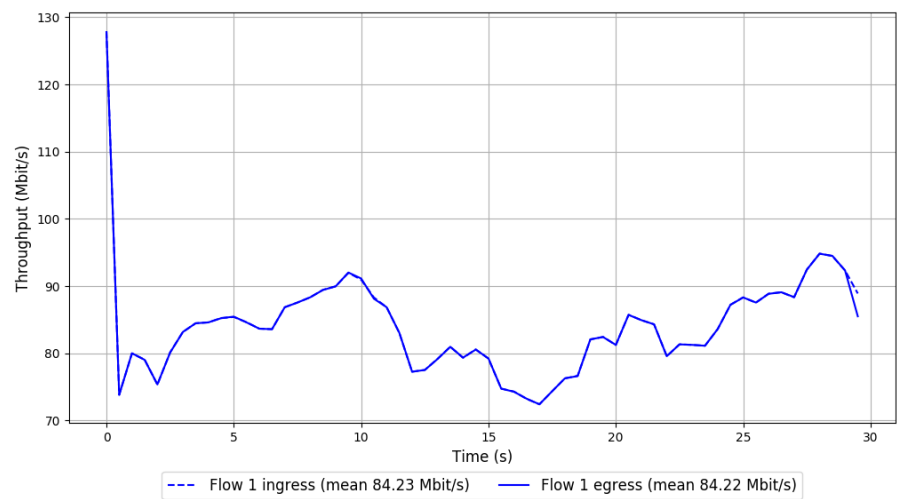
-- Flow 1:

Average throughput: 84.22 Mbit/s

95th percentile per-packet one-way delay: 1.173 ms

Loss rate: 0.07%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Tue, 25 Jul 2017 02:00:34 +0000

End at: Tue, 25 Jul 2017 02:01:04 +0000

Local clock offset: 0.287 ms

Remote clock offset: -2.102 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:57:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.41 Mbit/s

95th percentile per-packet one-way delay: 1.287 ms

Loss rate: 0.06%

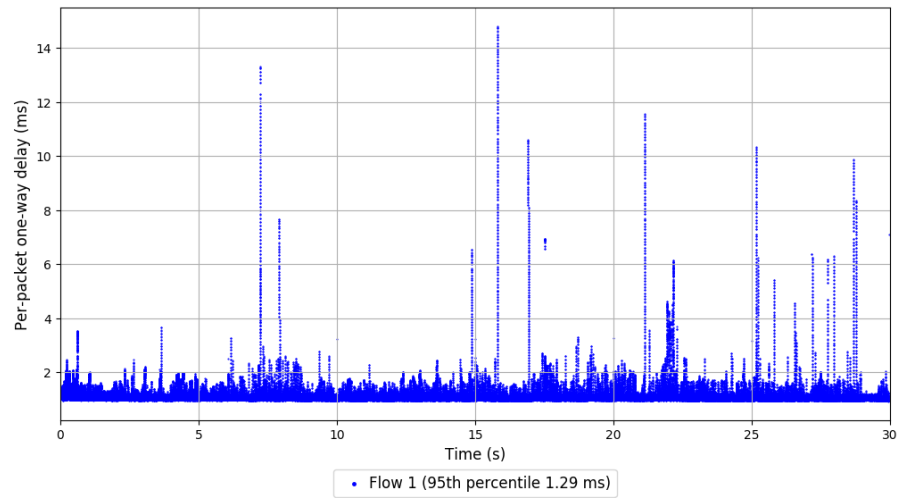
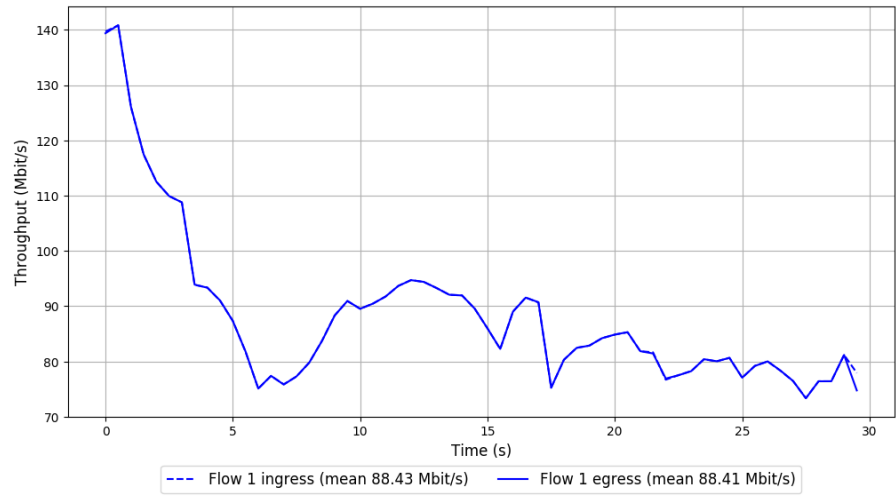
-- Flow 1:

Average throughput: 88.41 Mbit/s

95th percentile per-packet one-way delay: 1.287 ms

Loss rate: 0.06%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Tue, 25 Jul 2017 02:21:29 +0000

End at: Tue, 25 Jul 2017 02:21:59 +0000

Local clock offset: 0.444 ms

Remote clock offset: -2.437 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:57:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.58 Mbit/s

95th percentile per-packet one-way delay: 1.184 ms

Loss rate: 0.06%

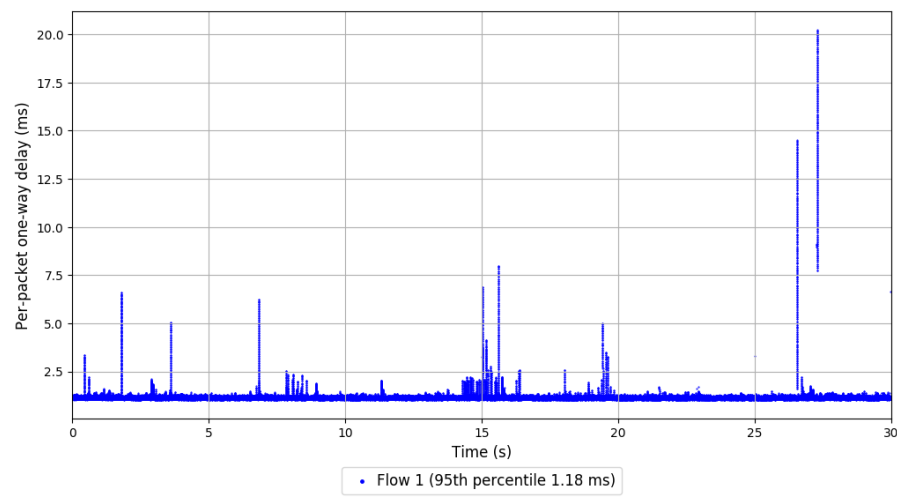
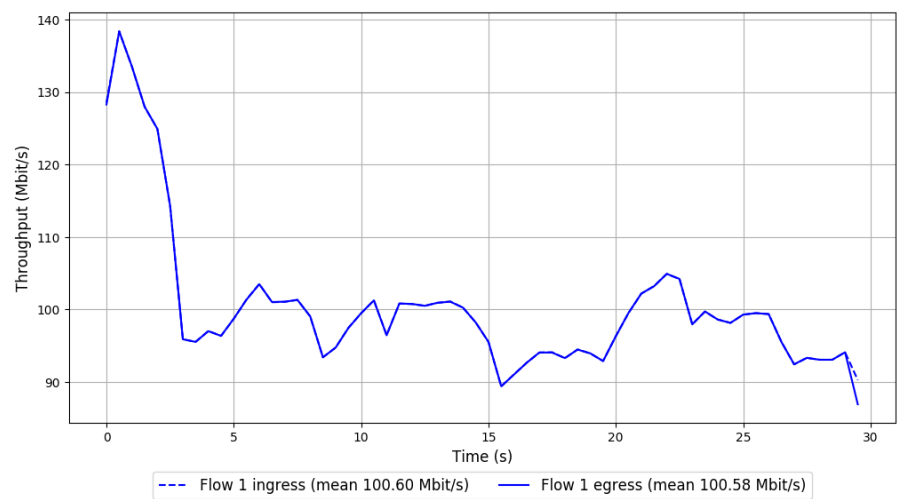
-- Flow 1:

Average throughput: 100.58 Mbit/s

95th percentile per-packet one-way delay: 1.184 ms

Loss rate: 0.06%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Tue, 25 Jul 2017 02:42:36 +0000

End at: Tue, 25 Jul 2017 02:43:06 +0000

Local clock offset: 0.539 ms

Remote clock offset: -2.368 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:57:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.61 Mbit/s

95th percentile per-packet one-way delay: 1.106 ms

Loss rate: 0.06%

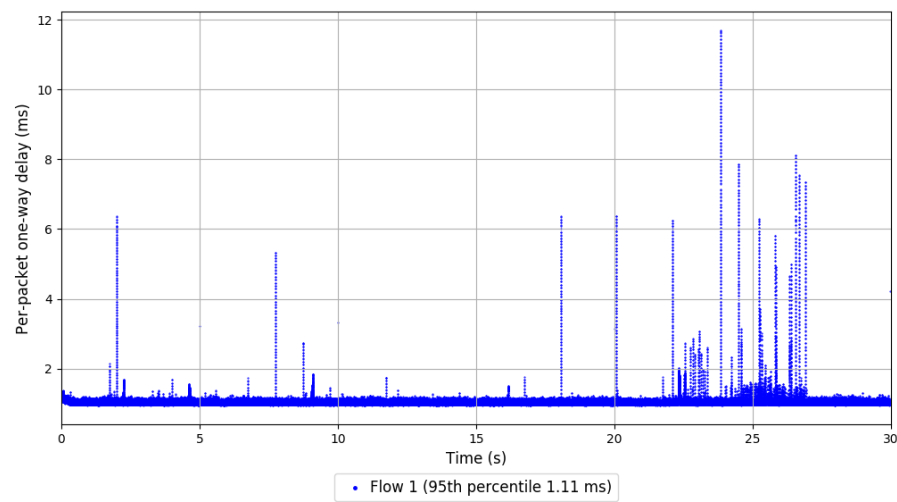
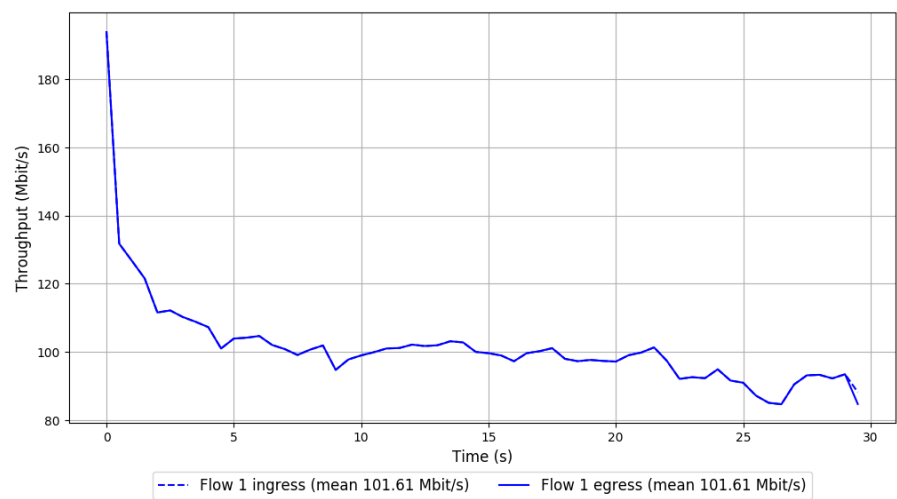
-- Flow 1:

Average throughput: 101.61 Mbit/s

95th percentile per-packet one-way delay: 1.106 ms

Loss rate: 0.06%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 23:26:09 +0000

End at: Mon, 24 Jul 2017 23:26:39 +0000

Local clock offset: 0.481 ms

Remote clock offset: -2.861 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:58:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 484.89 Mbit/s

95th percentile per-packet one-way delay: 15.366 ms

Loss rate: 0.10%

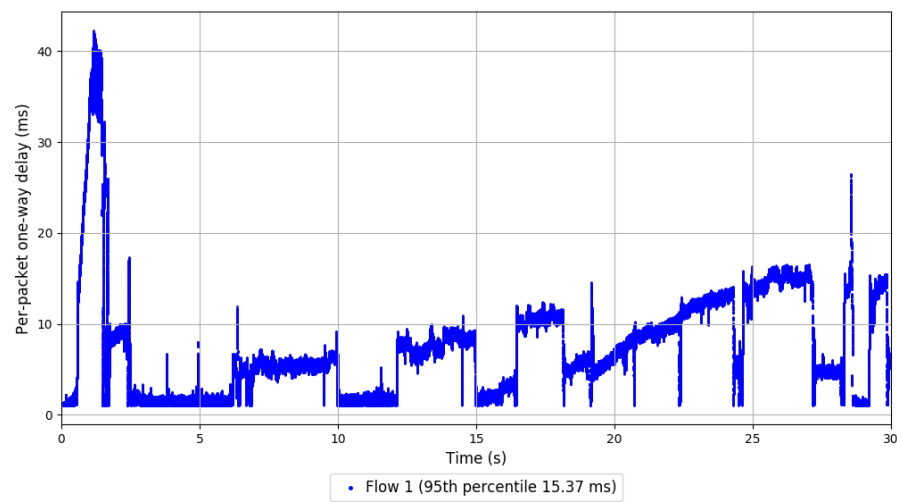
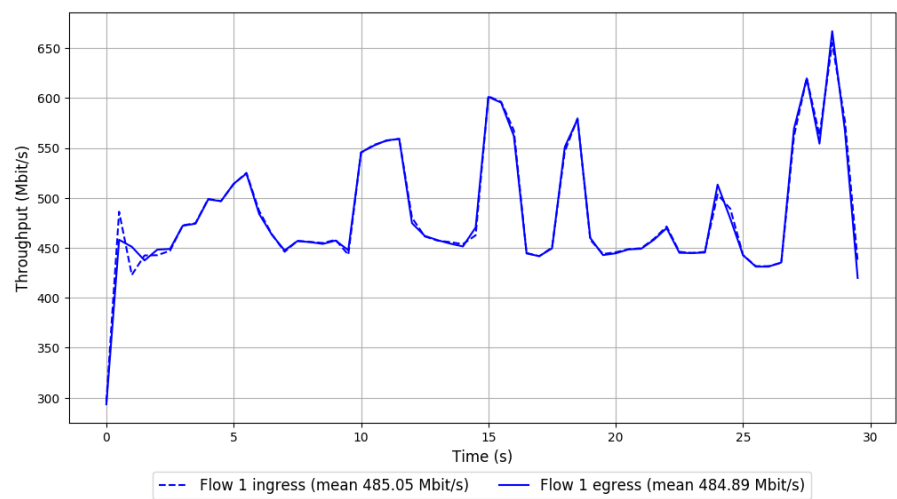
-- Flow 1:

Average throughput: 484.89 Mbit/s

95th percentile per-packet one-way delay: 15.366 ms

Loss rate: 0.10%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Mon, 24 Jul 2017 23:47:00 +0000

End at: Mon, 24 Jul 2017 23:47:30 +0000

Local clock offset: 0.26 ms

Remote clock offset: -2.683 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:58:31 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 500.86 Mbit/s

95th percentile per-packet one-way delay: 14.825 ms

Loss rate: 0.07%

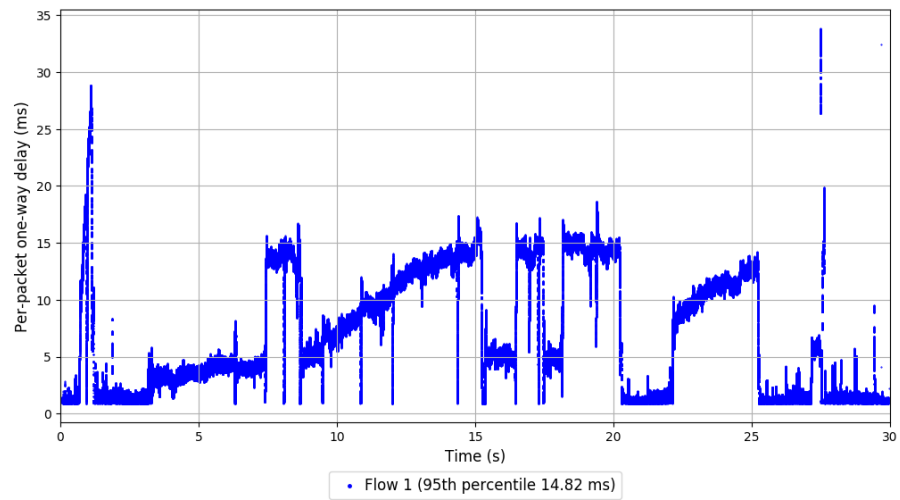
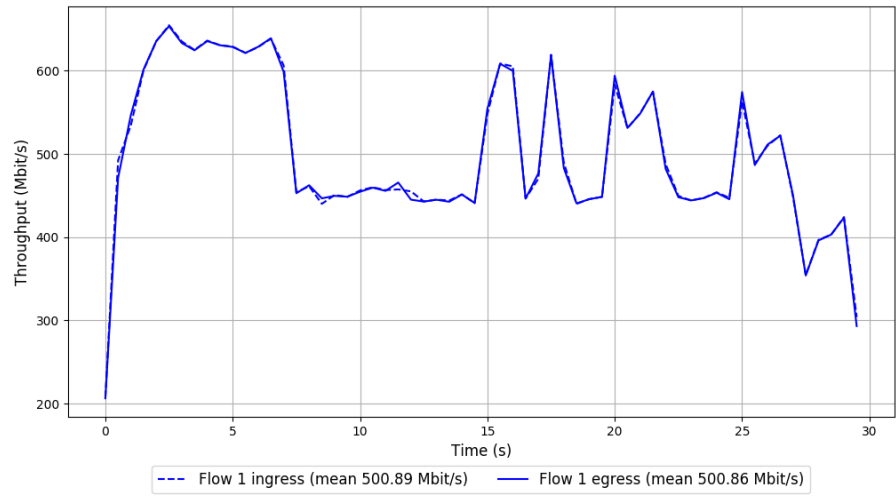
-- Flow 1:

Average throughput: 500.86 Mbit/s

95th percentile per-packet one-way delay: 14.825 ms

Loss rate: 0.07%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Tue, 25 Jul 2017 00:07:41 +0000

End at: Tue, 25 Jul 2017 00:08:11 +0000

Local clock offset: 0.111 ms

Remote clock offset: -2.627 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:59:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 461.33 Mbit/s

95th percentile per-packet one-way delay: 39.444 ms

Loss rate: 0.07%

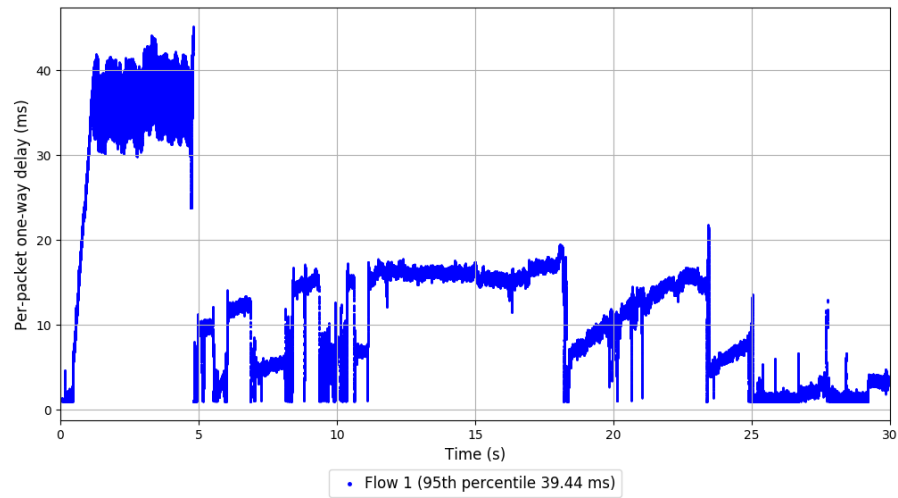
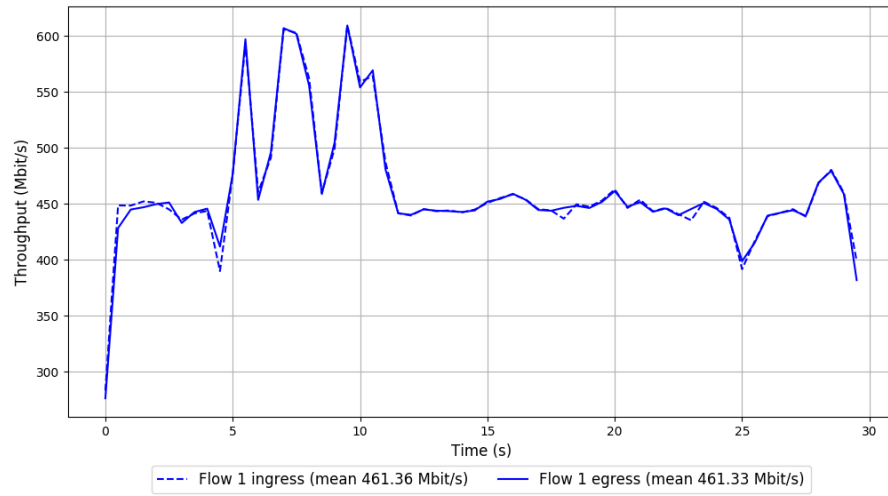
-- Flow 1:

Average throughput: 461.33 Mbit/s

95th percentile per-packet one-way delay: 39.444 ms

Loss rate: 0.07%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Tue, 25 Jul 2017 00:28:36 +0000

End at: Tue, 25 Jul 2017 00:29:06 +0000

Local clock offset: 0.291 ms

Remote clock offset: -2.49 ms

Below is generated by plot.py at Tue, 25 Jul 2017 04:59:48 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 663.90 Mbit/s

95th percentile per-packet one-way delay: 27.465 ms

Loss rate: 0.04%

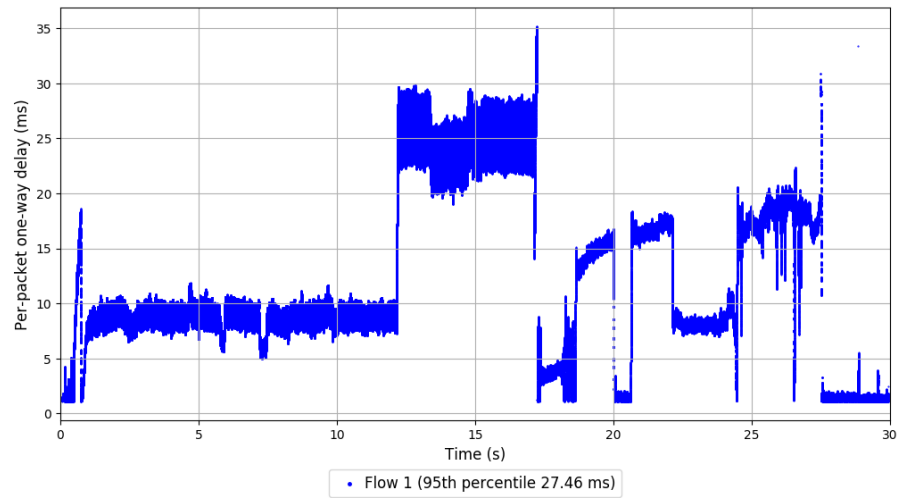
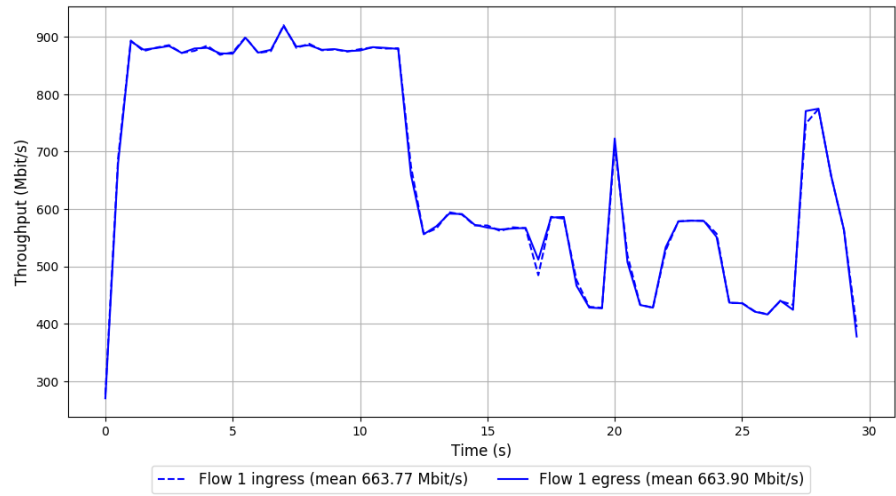
-- Flow 1:

Average throughput: 663.90 Mbit/s

95th percentile per-packet one-way delay: 27.465 ms

Loss rate: 0.04%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Tue, 25 Jul 2017 00:49:24 +0000

End at: Tue, 25 Jul 2017 00:49:54 +0000

Local clock offset: 0.243 ms

Remote clock offset: -2.03 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:00:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 545.56 Mbit/s

95th percentile per-packet one-way delay: 29.532 ms

Loss rate: 0.09%

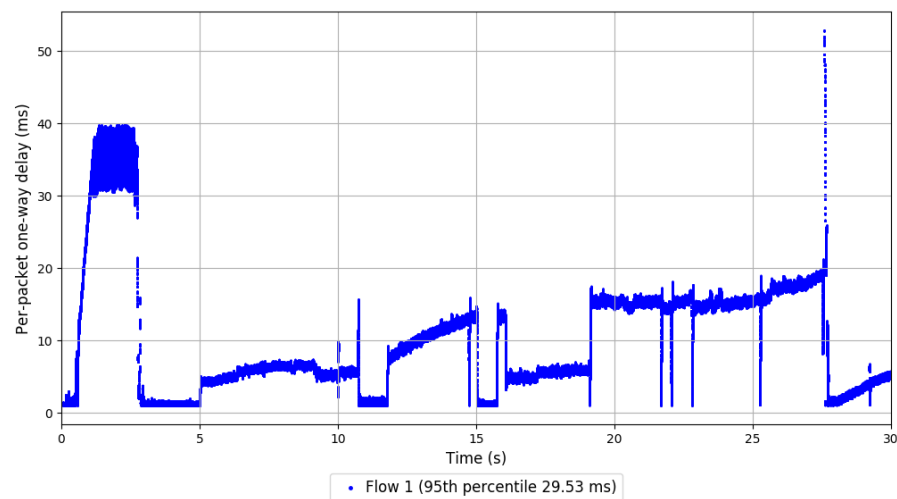
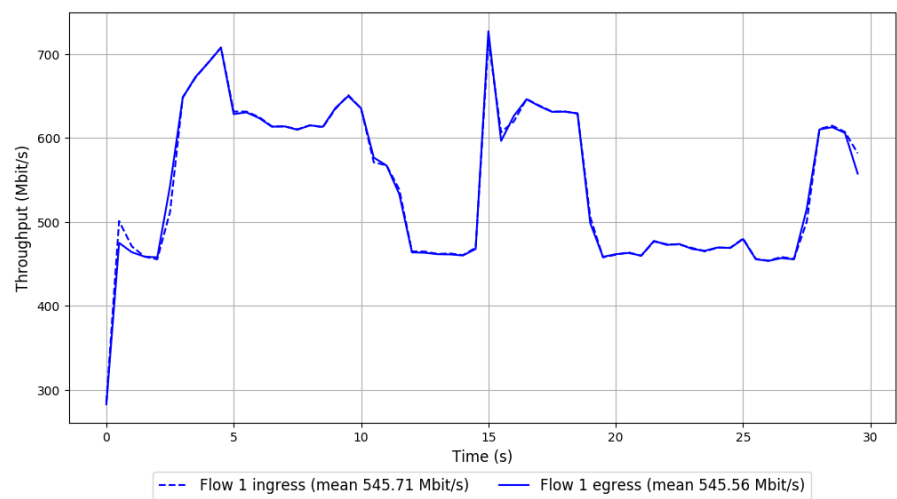
-- Flow 1:

Average throughput: 545.56 Mbit/s

95th percentile per-packet one-way delay: 29.532 ms

Loss rate: 0.09%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Tue, 25 Jul 2017 01:10:18 +0000

End at: Tue, 25 Jul 2017 01:10:48 +0000

Local clock offset: 0.296 ms

Remote clock offset: -1.89 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:00:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 522.71 Mbit/s

95th percentile per-packet one-way delay: 28.962 ms

Loss rate: 0.09%

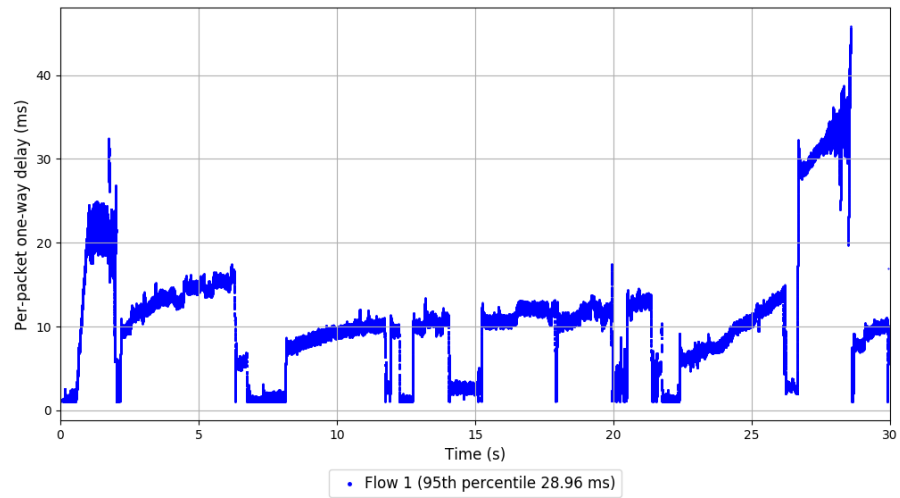
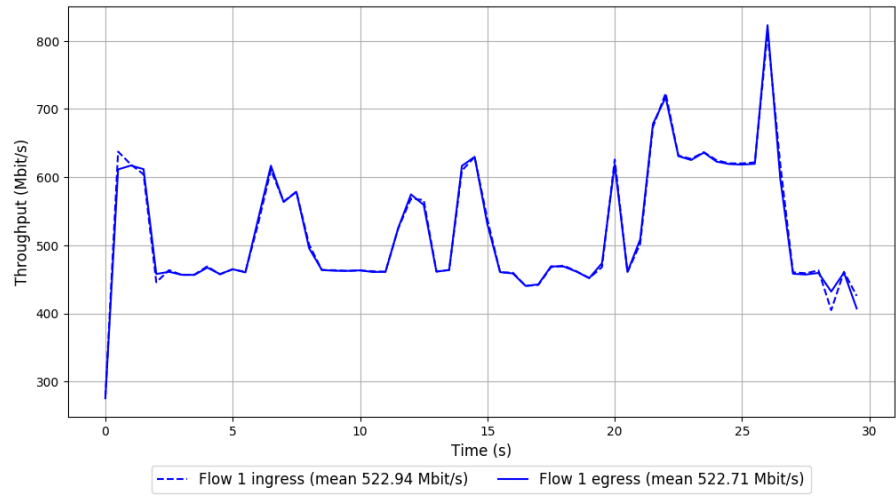
-- Flow 1:

Average throughput: 522.71 Mbit/s

95th percentile per-packet one-way delay: 28.962 ms

Loss rate: 0.09%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Tue, 25 Jul 2017 01:30:57 +0000

End at: Tue, 25 Jul 2017 01:31:27 +0000

Local clock offset: 0.371 ms

Remote clock offset: -1.598 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:01:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 506.79 Mbit/s

95th percentile per-packet one-way delay: 15.105 ms

Loss rate: 0.09%

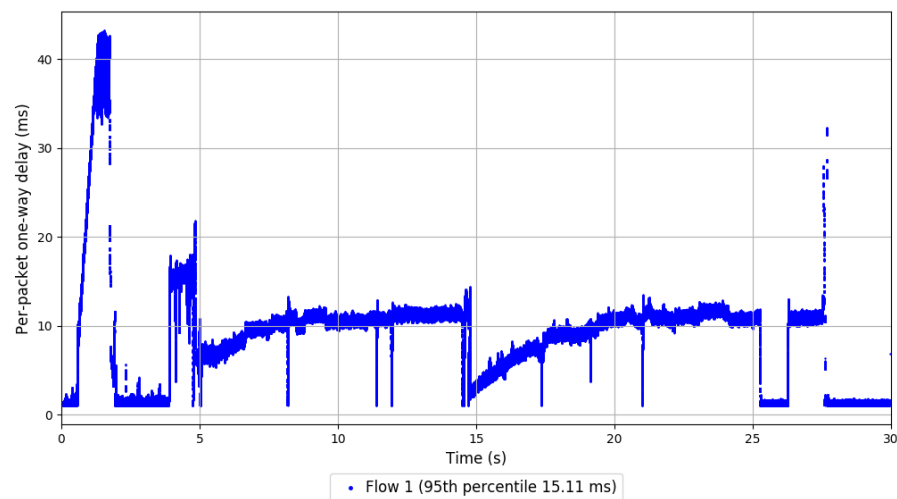
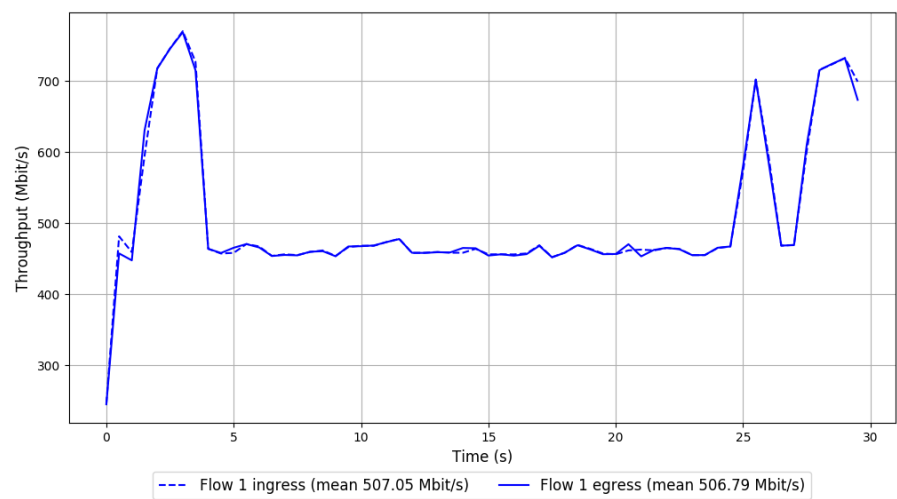
-- Flow 1:

Average throughput: 506.79 Mbit/s

95th percentile per-packet one-way delay: 15.105 ms

Loss rate: 0.09%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Tue, 25 Jul 2017 01:51:39 +0000

End at: Tue, 25 Jul 2017 01:52:09 +0000

Local clock offset: 0.149 ms

Remote clock offset: -1.959 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:01:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 499.07 Mbit/s

95th percentile per-packet one-way delay: 16.524 ms

Loss rate: 0.07%

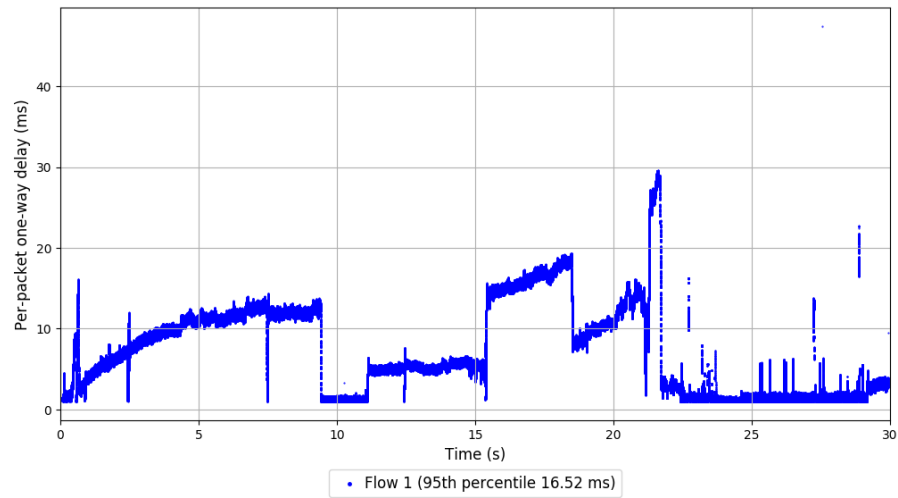
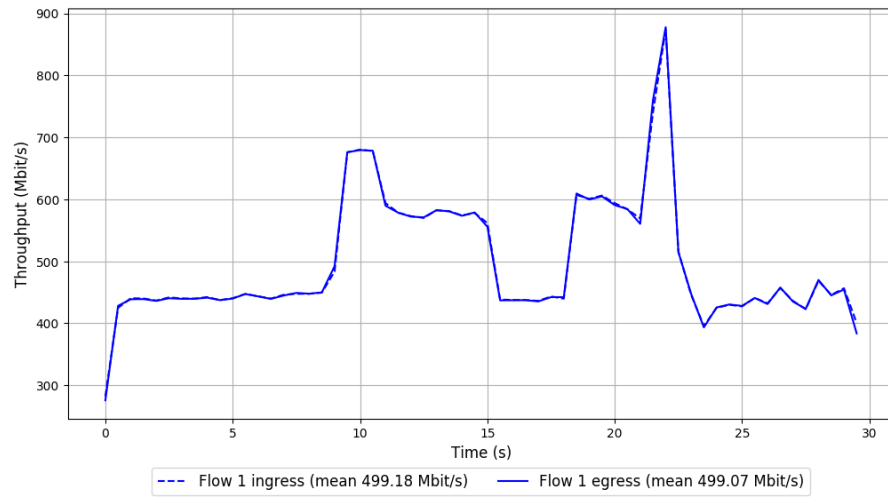
-- Flow 1:

Average throughput: 499.07 Mbit/s

95th percentile per-packet one-way delay: 16.524 ms

Loss rate: 0.07%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Tue, 25 Jul 2017 02:12:39 +0000

End at: Tue, 25 Jul 2017 02:13:09 +0000

Local clock offset: 0.288 ms

Remote clock offset: -2.352 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:02:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 469.77 Mbit/s

95th percentile per-packet one-way delay: 40.843 ms

Loss rate: 0.17%

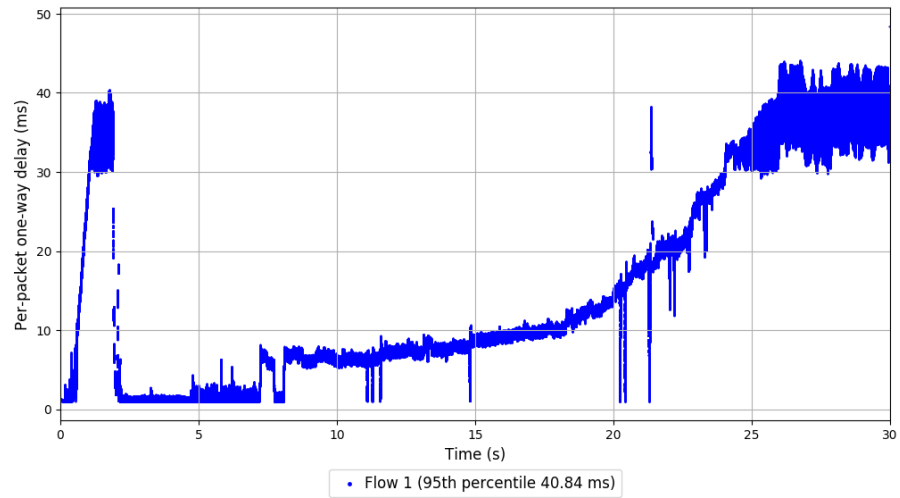
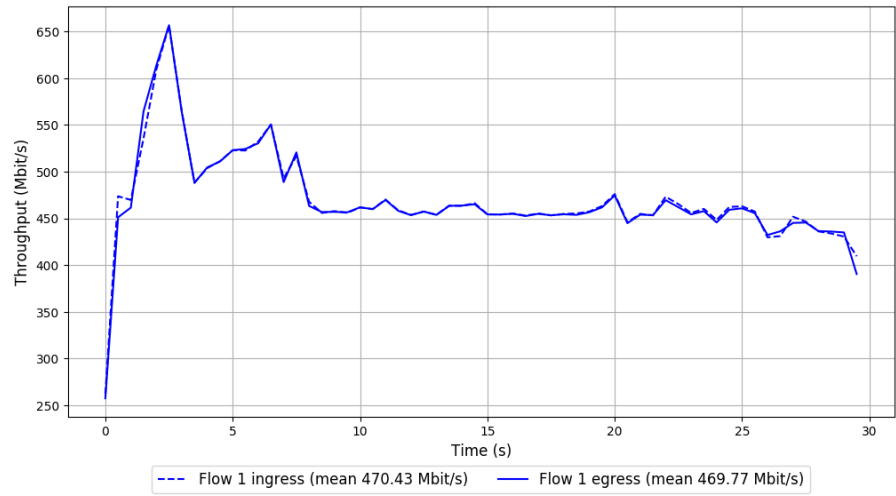
-- Flow 1:

Average throughput: 469.77 Mbit/s

95th percentile per-packet one-way delay: 40.843 ms

Loss rate: 0.17%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Tue, 25 Jul 2017 02:33:31 +0000

End at: Tue, 25 Jul 2017 02:34:01 +0000

Local clock offset: 0.427 ms

Remote clock offset: -2.34 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:03:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 557.14 Mbit/s

95th percentile per-packet one-way delay: 22.295 ms

Loss rate: 0.05%

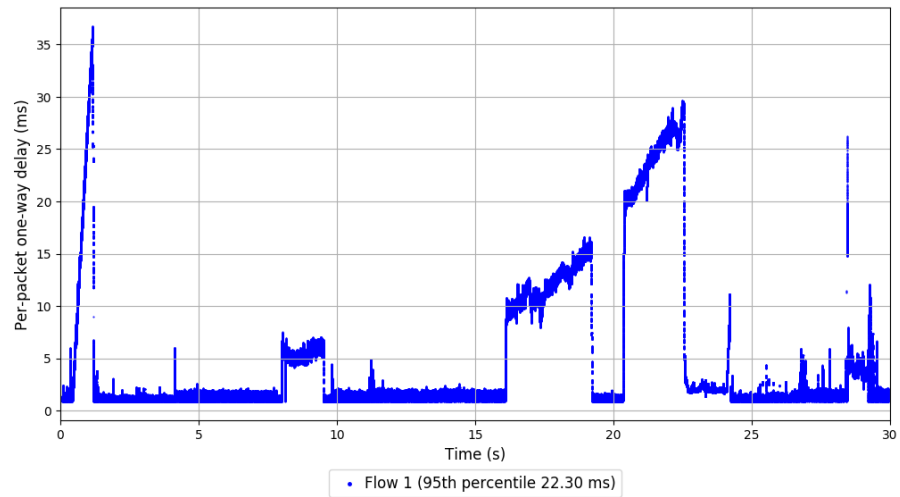
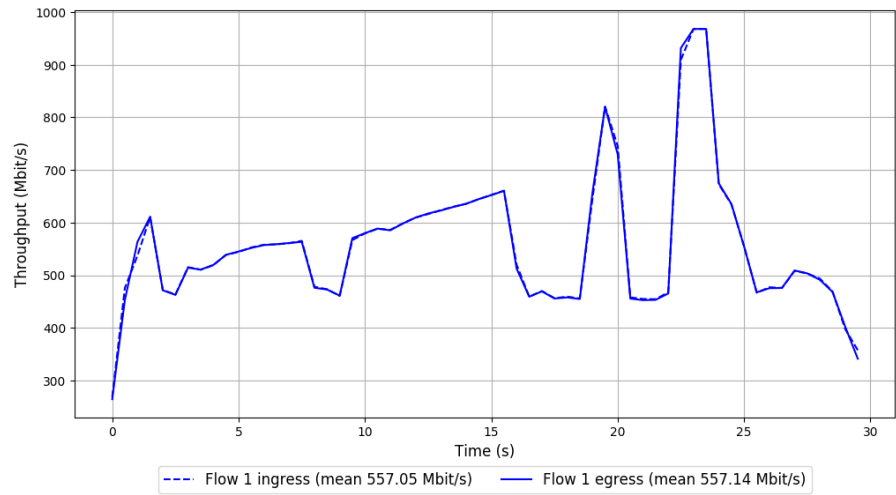
-- Flow 1:

Average throughput: 557.14 Mbit/s

95th percentile per-packet one-way delay: 22.295 ms

Loss rate: 0.05%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Mon, 24 Jul 2017 23:22:34 +0000

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

Local clock offset: 0.512 ms

Remote clock offset: -2.861 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:03:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.50 Mbit/s

95th percentile per-packet one-way delay: 1.179 ms

Loss rate: 0.06%

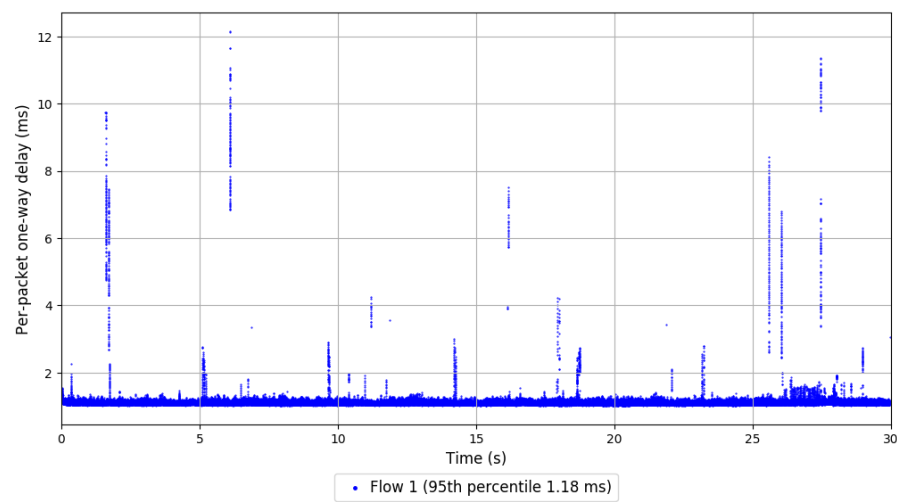
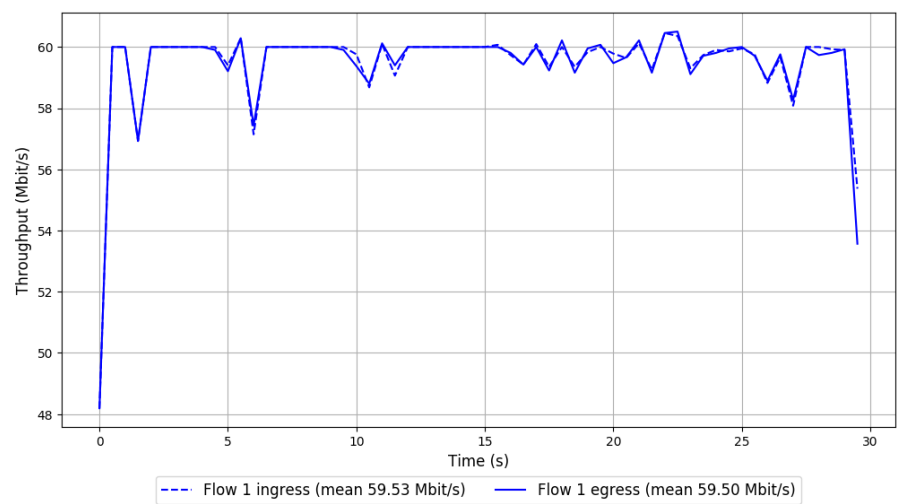
-- Flow 1:

Average throughput: 59.50 Mbit/s

95th percentile per-packet one-way delay: 1.179 ms

Loss rate: 0.06%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Mon, 24 Jul 2017 23:43:26 +0000

End at: Mon, 24 Jul 2017 23:43:56 +0000

Local clock offset: 0.332 ms

Remote clock offset: -2.776 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:03:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.54 Mbit/s

95th percentile per-packet one-way delay: 1.164 ms

Loss rate: 0.07%

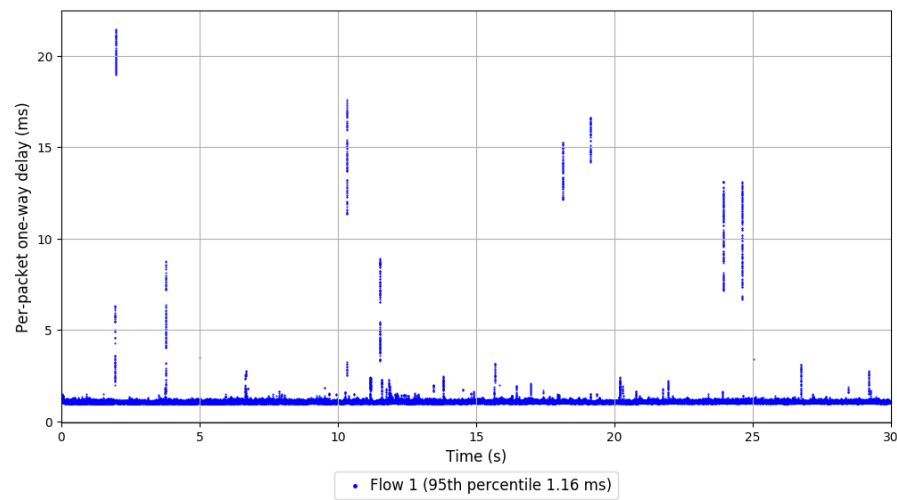
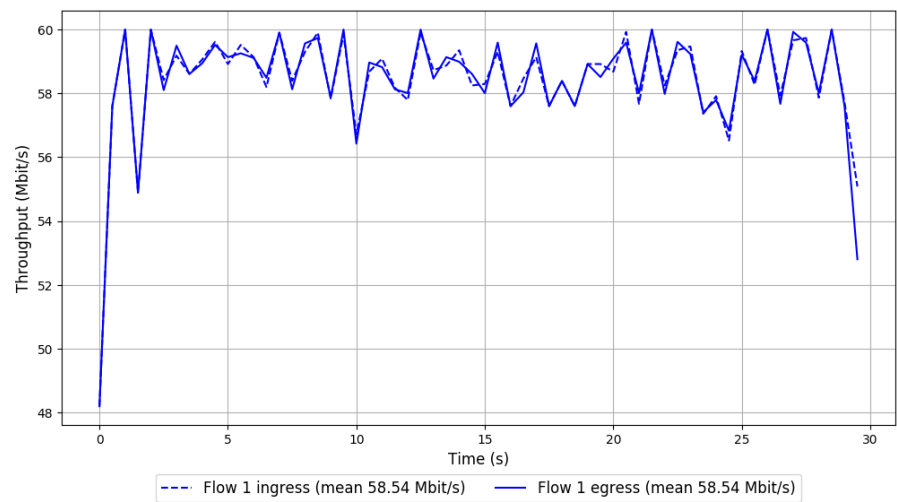
-- Flow 1:

Average throughput: 58.54 Mbit/s

95th percentile per-packet one-way delay: 1.164 ms

Loss rate: 0.07%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Tue, 25 Jul 2017 00:04:07 +0000

End at: Tue, 25 Jul 2017 00:04:37 +0000

Local clock offset: 0.135 ms

Remote clock offset: -2.622 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:03:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.81 Mbit/s

95th percentile per-packet one-way delay: 1.144 ms

Loss rate: 0.07%

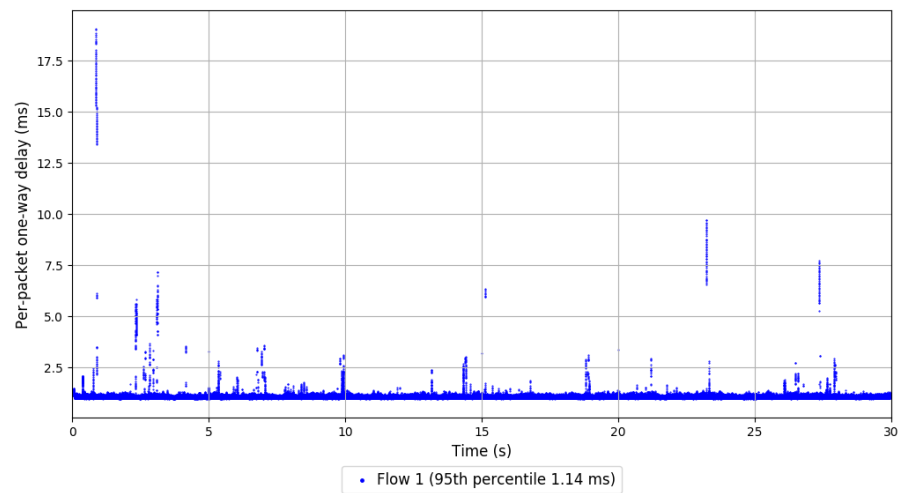
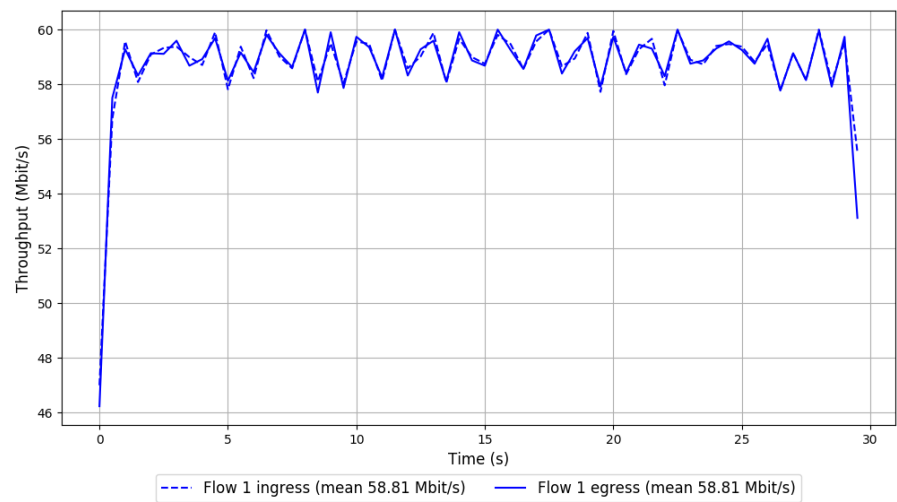
-- Flow 1:

Average throughput: 58.81 Mbit/s

95th percentile per-packet one-way delay: 1.144 ms

Loss rate: 0.07%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Tue, 25 Jul 2017 00:25:01 +0000

End at: Tue, 25 Jul 2017 00:25:31 +0000

Local clock offset: 0.144 ms

Remote clock offset: -2.476 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:03:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.83 Mbit/s

95th percentile per-packet one-way delay: 1.108 ms

Loss rate: 0.07%

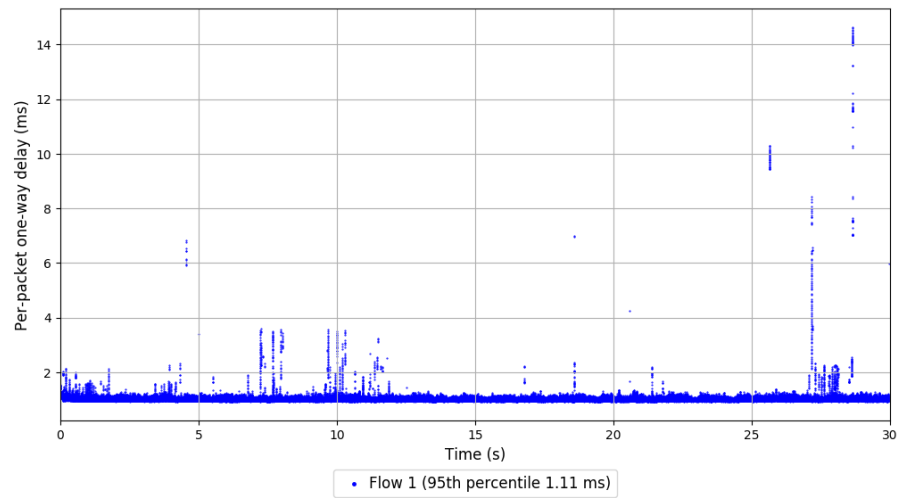
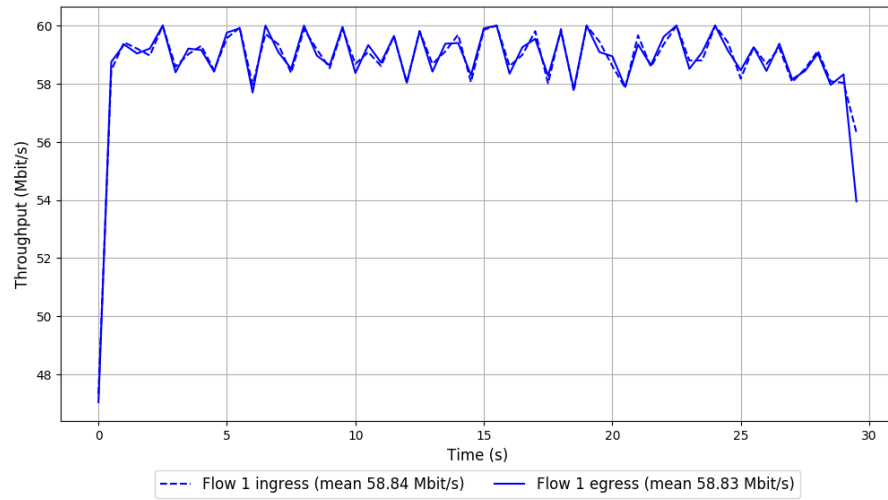
-- Flow 1:

Average throughput: 58.83 Mbit/s

95th percentile per-packet one-way delay: 1.108 ms

Loss rate: 0.07%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Tue, 25 Jul 2017 00:45:49 +0000

End at: Tue, 25 Jul 2017 00:46:19 +0000

Local clock offset: 0.187 ms

Remote clock offset: -2.082 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:03:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.59 Mbit/s

95th percentile per-packet one-way delay: 1.201 ms

Loss rate: 0.07%

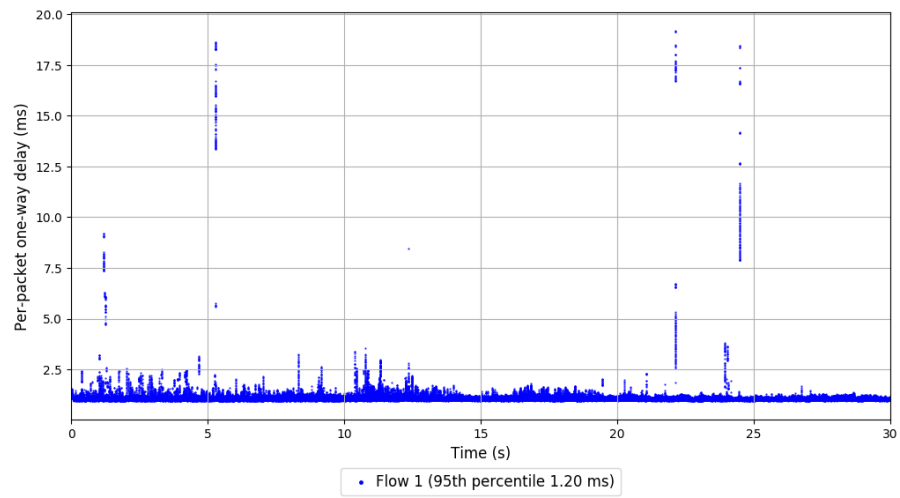
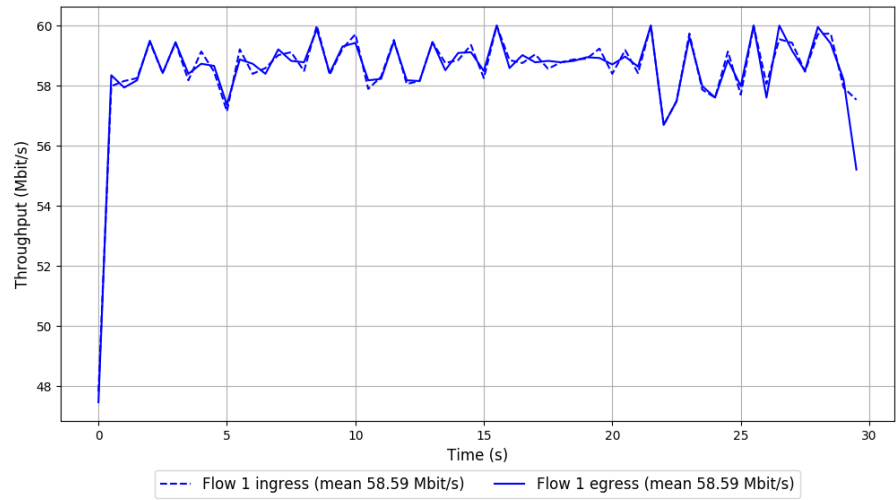
-- Flow 1:

Average throughput: 58.59 Mbit/s

95th percentile per-packet one-way delay: 1.201 ms

Loss rate: 0.07%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Tue, 25 Jul 2017 01:06:43 +0000

End at: Tue, 25 Jul 2017 01:07:13 +0000

Local clock offset: 0.27 ms

Remote clock offset: -1.781 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:03:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.28 Mbit/s

95th percentile per-packet one-way delay: 1.244 ms

Loss rate: 0.06%

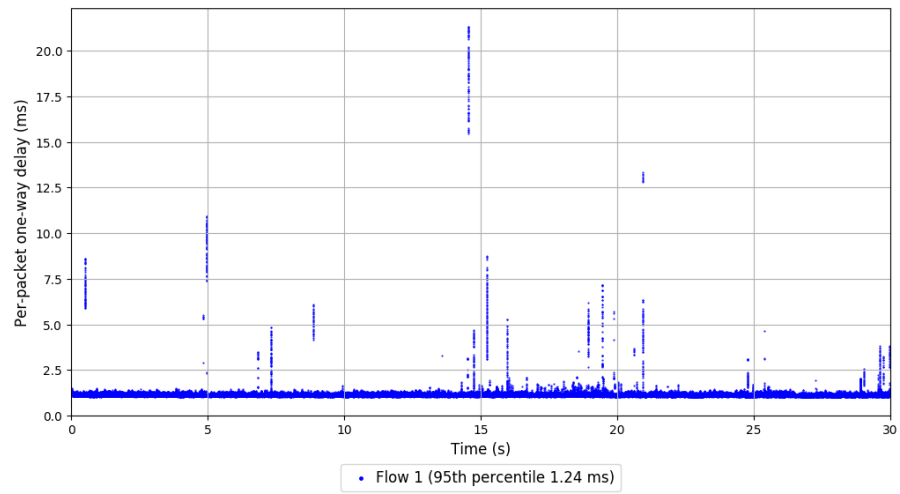
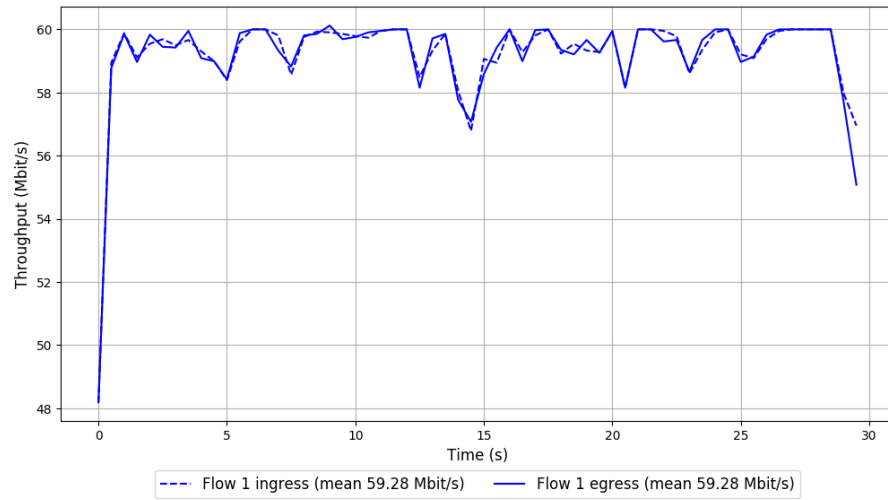
-- Flow 1:

Average throughput: 59.28 Mbit/s

95th percentile per-packet one-way delay: 1.244 ms

Loss rate: 0.06%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Tue, 25 Jul 2017 01:27:22 +0000

End at: Tue, 25 Jul 2017 01:27:52 +0000

Local clock offset: 0.304 ms

Remote clock offset: -1.669 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:03:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.85 Mbit/s

95th percentile per-packet one-way delay: 1.164 ms

Loss rate: 0.07%

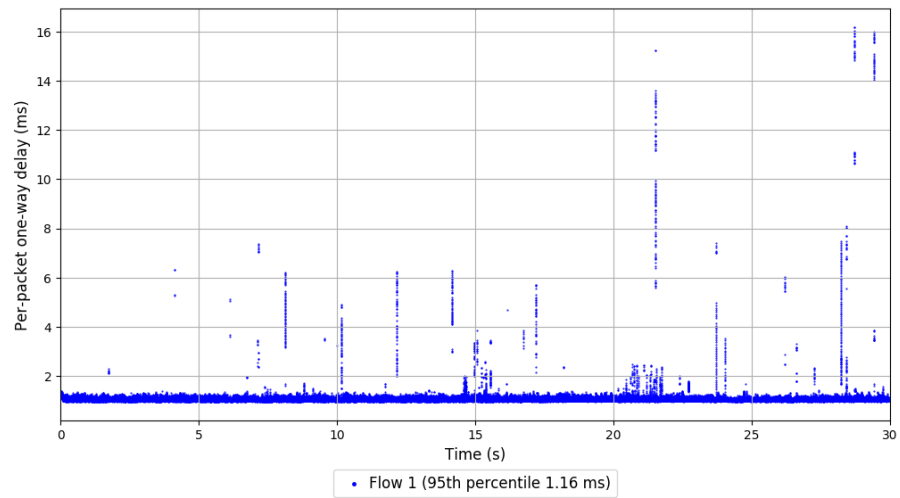
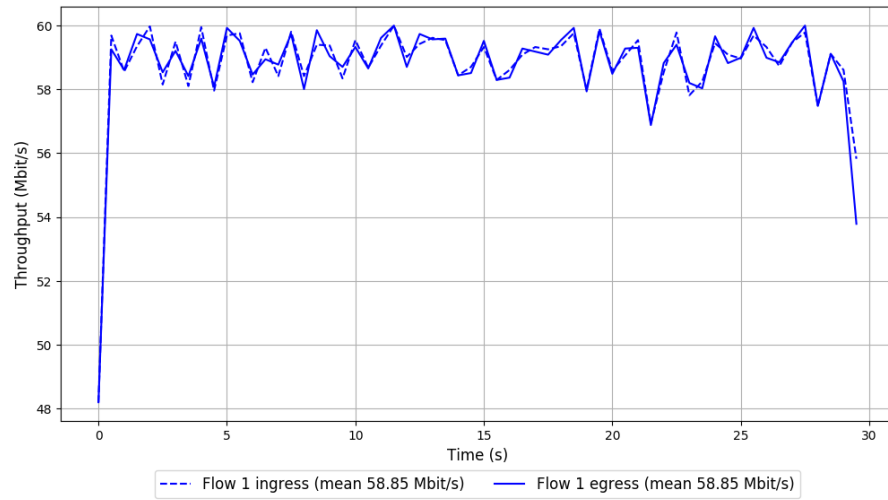
-- Flow 1:

Average throughput: 58.85 Mbit/s

95th percentile per-packet one-way delay: 1.164 ms

Loss rate: 0.07%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Tue, 25 Jul 2017 01:48:05 +0000

End at: Tue, 25 Jul 2017 01:48:35 +0000

Local clock offset: 0.134 ms

Remote clock offset: -1.831 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:03:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.81 Mbit/s

95th percentile per-packet one-way delay: 1.185 ms

Loss rate: 0.07%

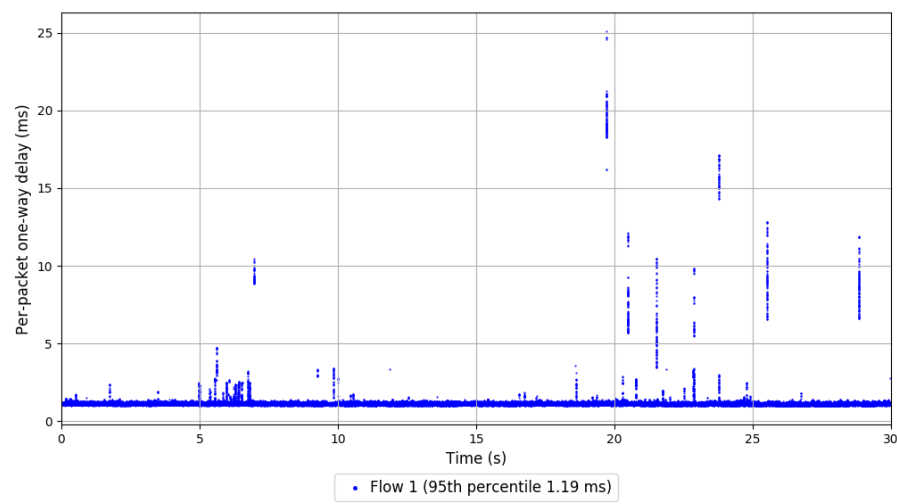
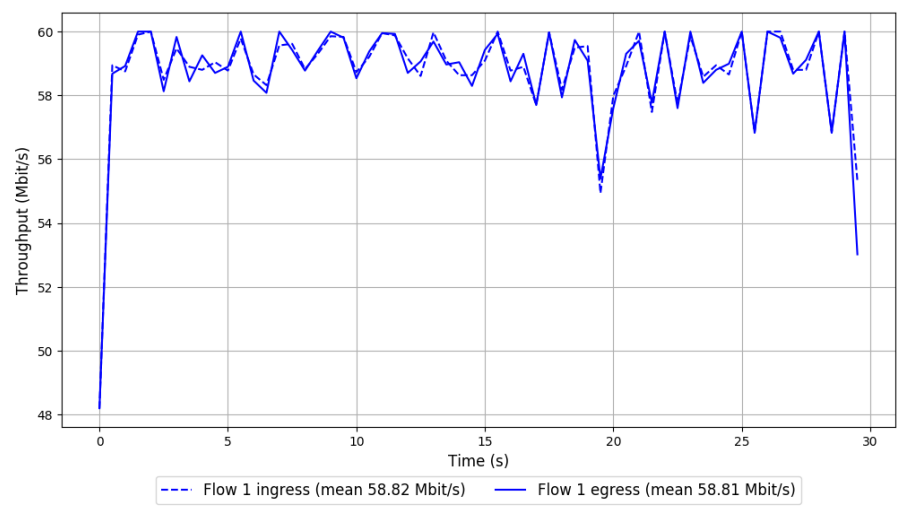
-- Flow 1:

Average throughput: 58.81 Mbit/s

95th percentile per-packet one-way delay: 1.185 ms

Loss rate: 0.07%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Tue, 25 Jul 2017 02:09:04 +0000

End at: Tue, 25 Jul 2017 02:09:34 +0000

Local clock offset: 0.247 ms

Remote clock offset: -2.277 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:03:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.09 Mbit/s

95th percentile per-packet one-way delay: 1.094 ms

Loss rate: 0.07%

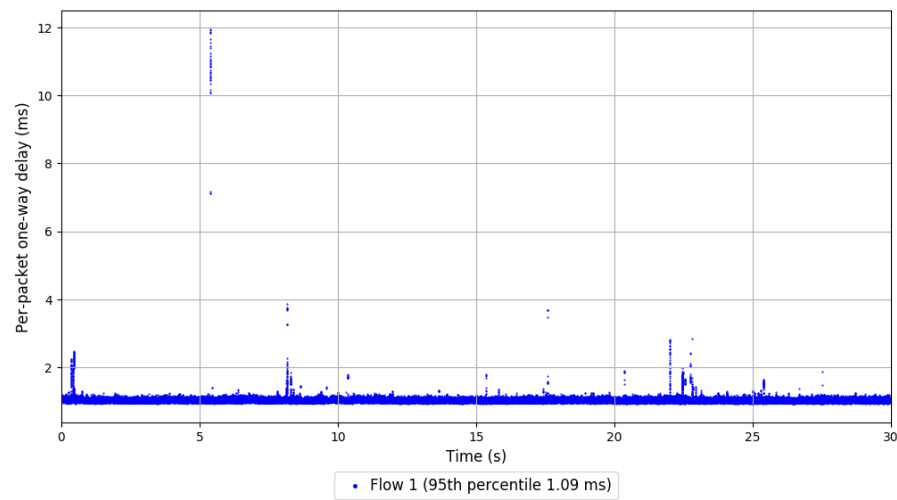
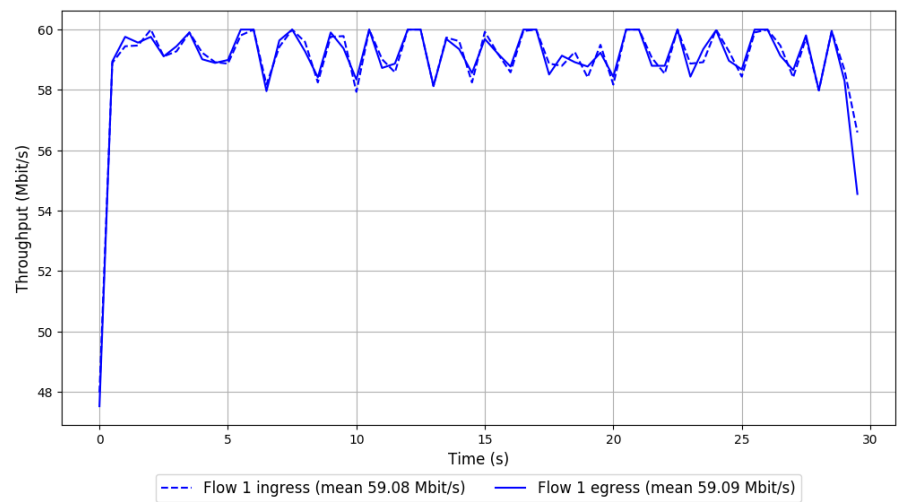
-- Flow 1:

Average throughput: 59.09 Mbit/s

95th percentile per-packet one-way delay: 1.094 ms

Loss rate: 0.07%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Tue, 25 Jul 2017 02:29:56 +0000

End at: Tue, 25 Jul 2017 02:30:26 +0000

Local clock offset: 0.4 ms

Remote clock offset: -2.364 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:03:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 59.46 Mbit/s

95th percentile per-packet one-way delay: 1.085 ms

Loss rate: 0.07%

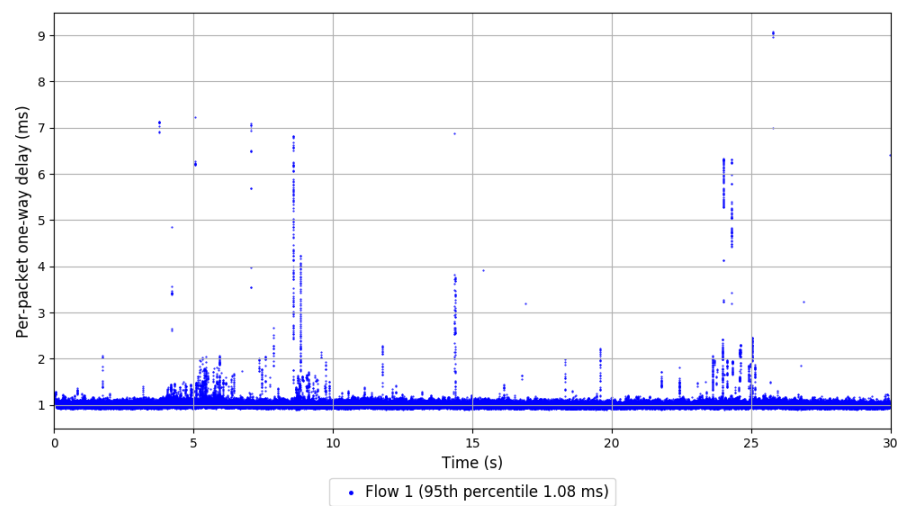
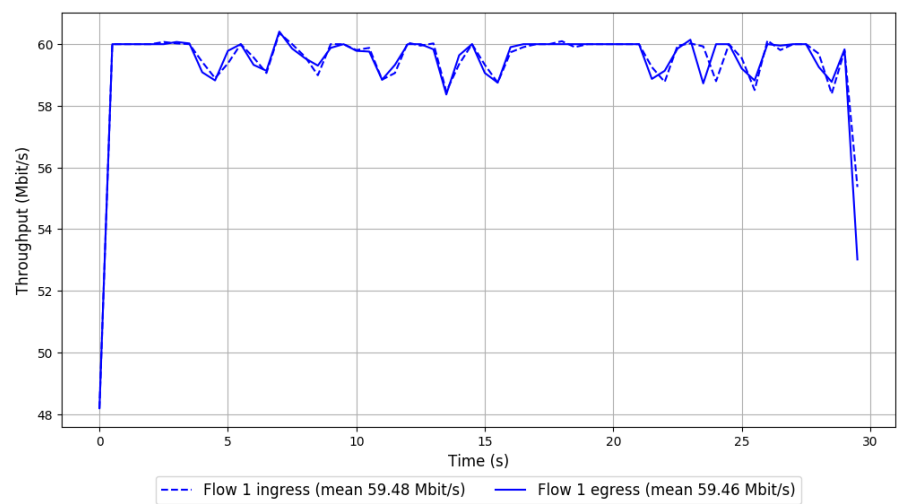
-- Flow 1:

Average throughput: 59.46 Mbit/s

95th percentile per-packet one-way delay: 1.085 ms

Loss rate: 0.07%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

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

End at: Mon, 24 Jul 2017 23:37:53 +0000

Local clock offset: 0.378 ms

Remote clock offset: -2.761 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:03:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 292.25 Mbit/s

95th percentile per-packet one-way delay: 12.428 ms

Loss rate: 0.09%

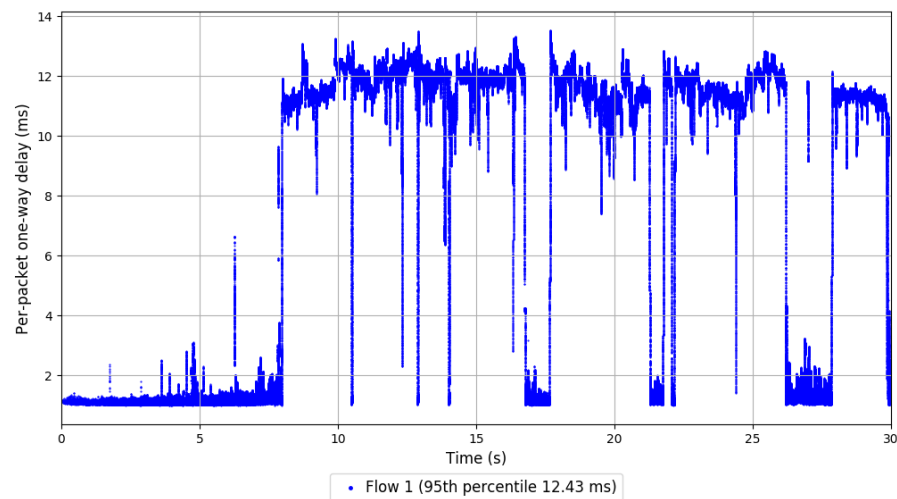
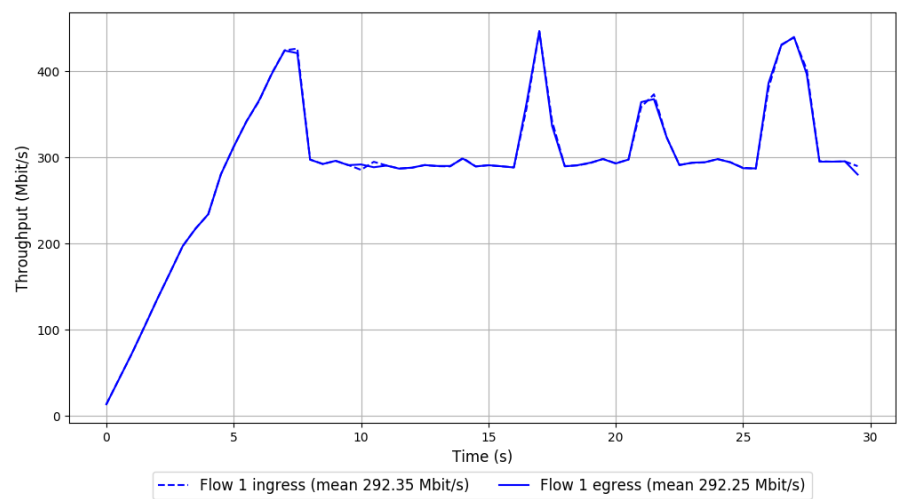
-- Flow 1:

Average throughput: 292.25 Mbit/s

95th percentile per-packet one-way delay: 12.428 ms

Loss rate: 0.09%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Mon, 24 Jul 2017 23:58:12 +0000

End at: Mon, 24 Jul 2017 23:58:42 +0000

Local clock offset: 0.27 ms

Remote clock offset: -2.59 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:04:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 272.75 Mbit/s

95th percentile per-packet one-way delay: 12.091 ms

Loss rate: 0.11%

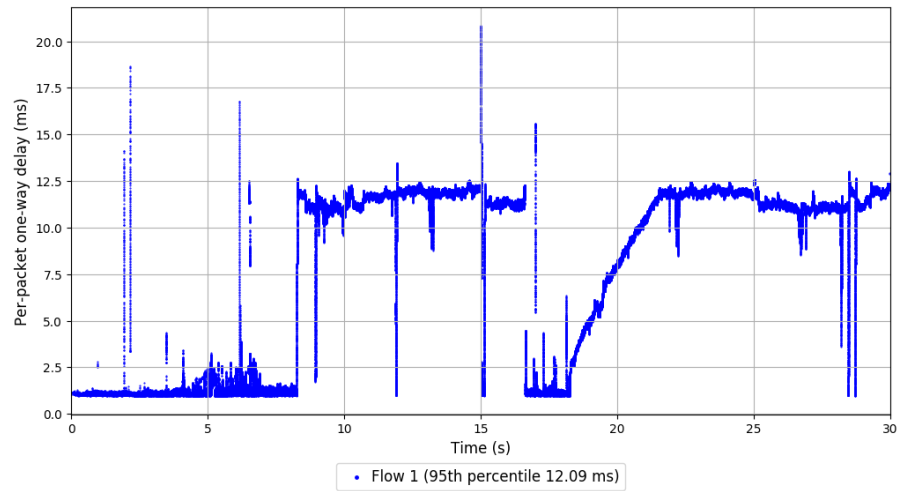
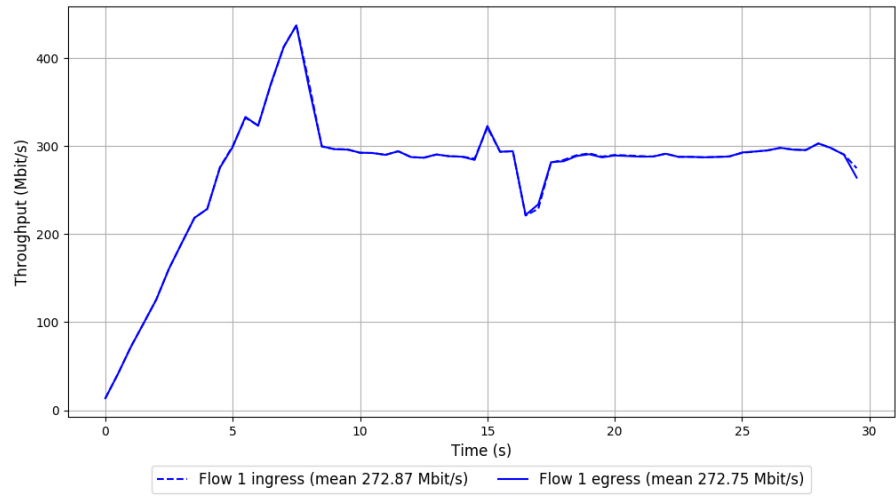
-- Flow 1:

Average throughput: 272.75 Mbit/s

95th percentile per-packet one-way delay: 12.091 ms

Loss rate: 0.11%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Tue, 25 Jul 2017 00:18:58 +0000

End at: Tue, 25 Jul 2017 00:19:28 +0000

Local clock offset: 0.18 ms

Remote clock offset: -2.586 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:04:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 300.99 Mbit/s

95th percentile per-packet one-way delay: 10.931 ms

Loss rate: 0.10%

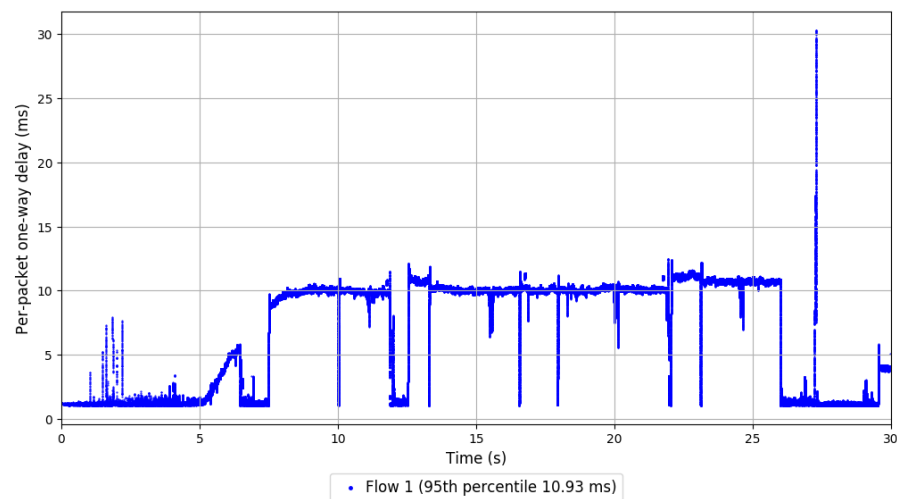
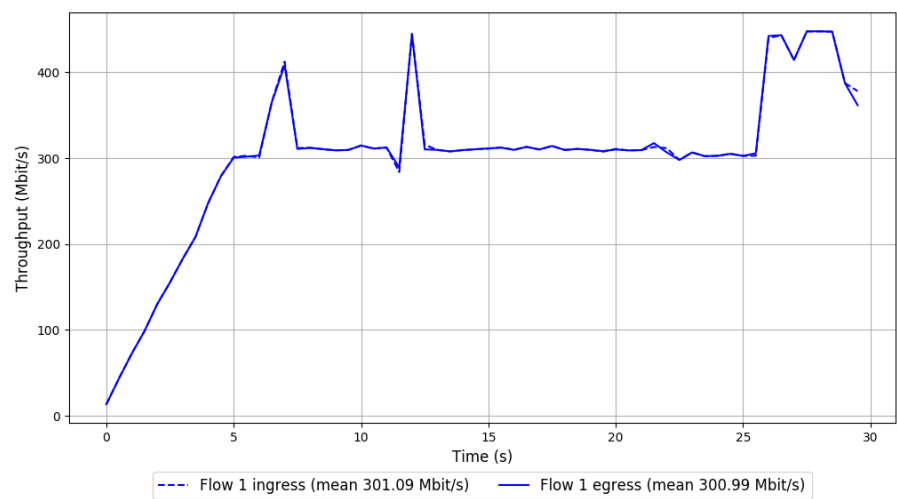
-- Flow 1:

Average throughput: 300.99 Mbit/s

95th percentile per-packet one-way delay: 10.931 ms

Loss rate: 0.10%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Tue, 25 Jul 2017 00:39:52 +0000

End at: Tue, 25 Jul 2017 00:40:22 +0000

Local clock offset: 0.213 ms

Remote clock offset: -2.249 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:04:39 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 286.10 Mbit/s

95th percentile per-packet one-way delay: 13.211 ms

Loss rate: 0.10%

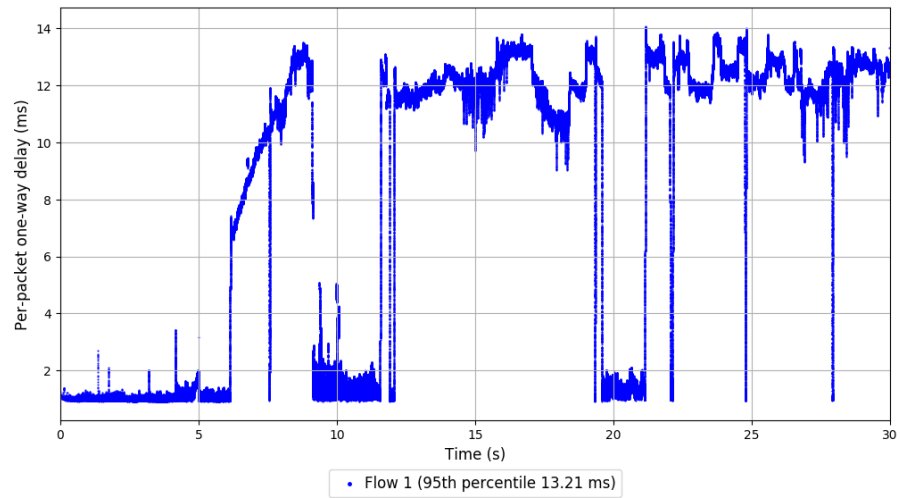
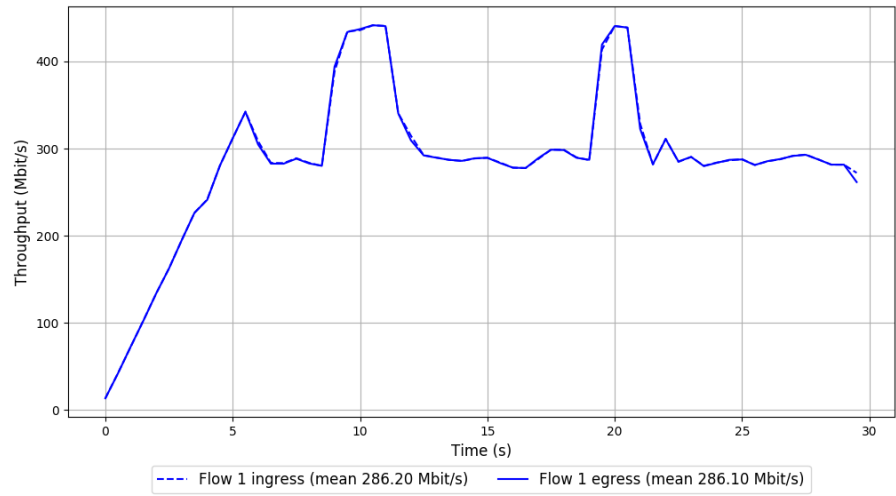
-- Flow 1:

Average throughput: 286.10 Mbit/s

95th percentile per-packet one-way delay: 13.211 ms

Loss rate: 0.10%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Tue, 25 Jul 2017 01:00:43 +0000

End at: Tue, 25 Jul 2017 01:01:13 +0000

Local clock offset: 0.216 ms

Remote clock offset: -1.851 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:05:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 330.43 Mbit/s

95th percentile per-packet one-way delay: 11.897 ms

Loss rate: 0.08%

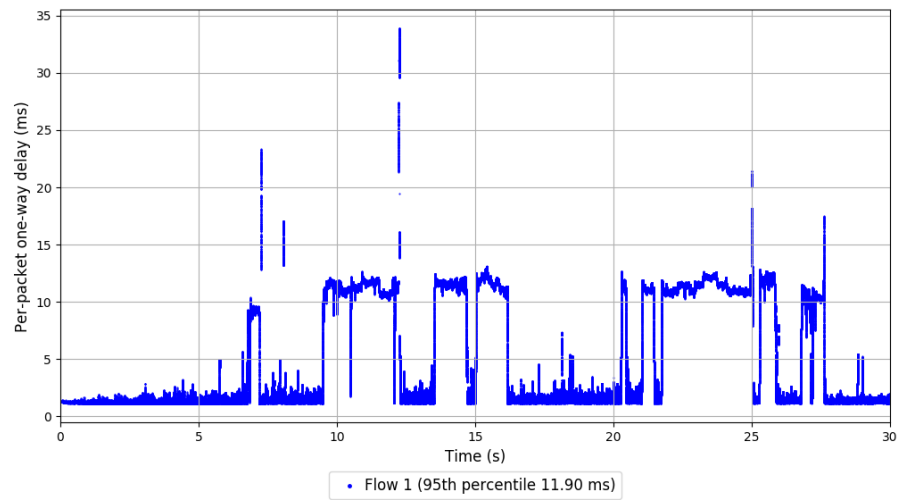
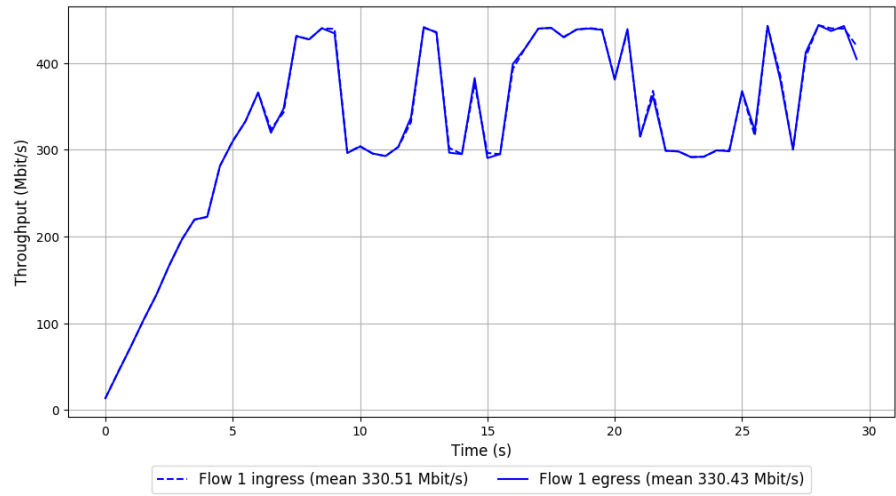
-- Flow 1:

Average throughput: 330.43 Mbit/s

95th percentile per-packet one-way delay: 11.897 ms

Loss rate: 0.08%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Tue, 25 Jul 2017 01:21:30 +0000

End at: Tue, 25 Jul 2017 01:22:00 +0000

Local clock offset: 0.407 ms

Remote clock offset: -1.748 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:05:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 256.55 Mbit/s

95th percentile per-packet one-way delay: 15.926 ms

Loss rate: 0.10%

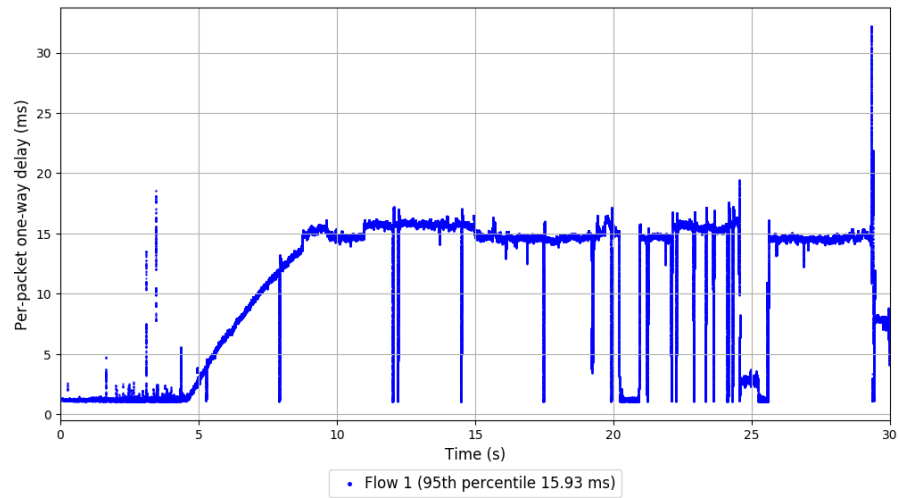
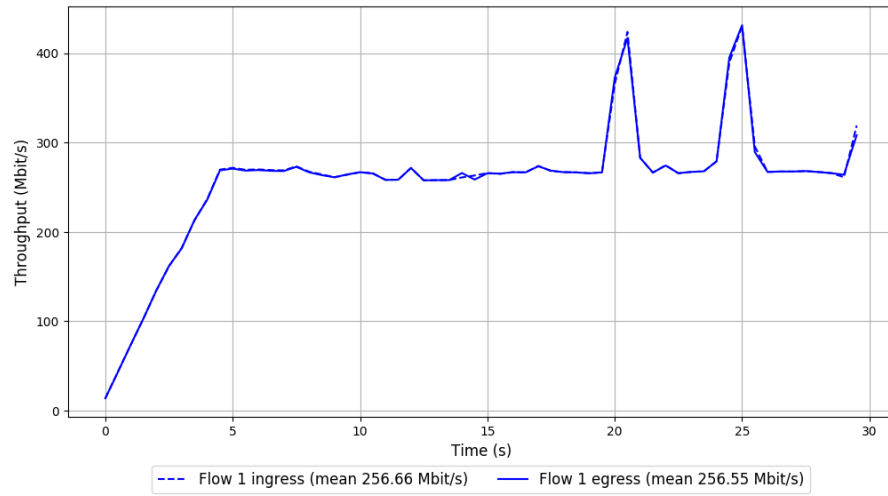
-- Flow 1:

Average throughput: 256.55 Mbit/s

95th percentile per-packet one-way delay: 15.926 ms

Loss rate: 0.10%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Tue, 25 Jul 2017 01:42:18 +0000

End at: Tue, 25 Jul 2017 01:42:48 +0000

Local clock offset: 0.166 ms

Remote clock offset: -1.582 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:05:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 253.85 Mbit/s

95th percentile per-packet one-way delay: 13.906 ms

Loss rate: 0.08%

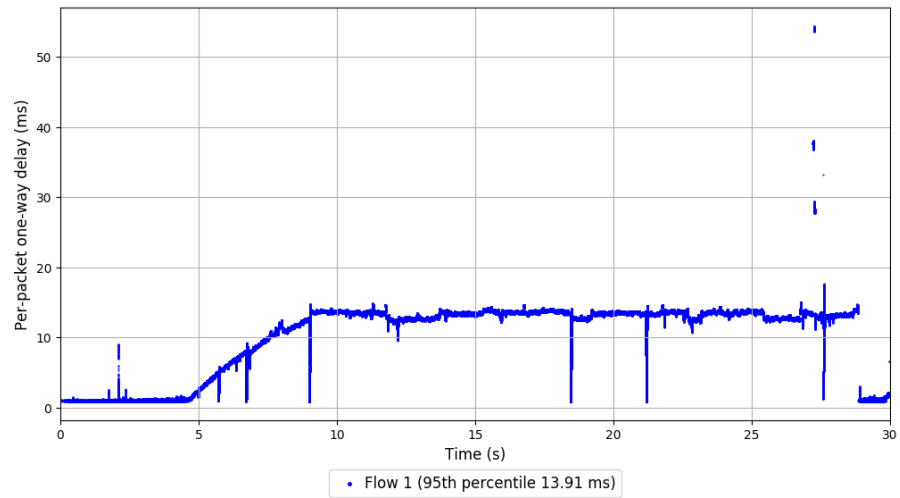
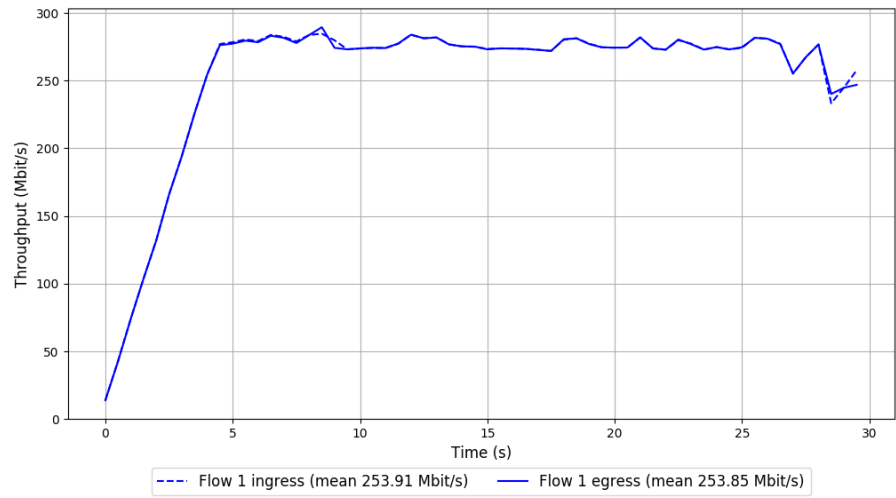
-- Flow 1:

Average throughput: 253.85 Mbit/s

95th percentile per-packet one-way delay: 13.906 ms

Loss rate: 0.08%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Tue, 25 Jul 2017 02:03:03 +0000

End at: Tue, 25 Jul 2017 02:03:34 +0000

Local clock offset: 0.201 ms

Remote clock offset: -2.166 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:05:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 291.31 Mbit/s

95th percentile per-packet one-way delay: 13.374 ms

Loss rate: 0.10%

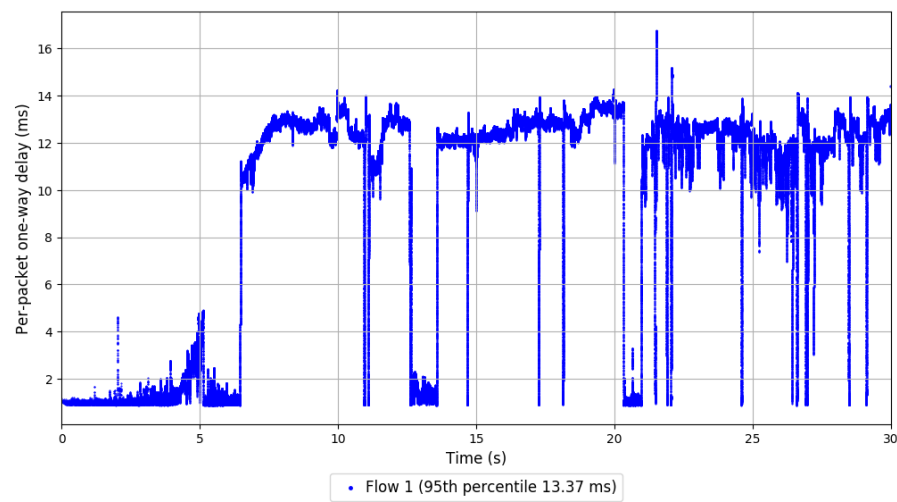
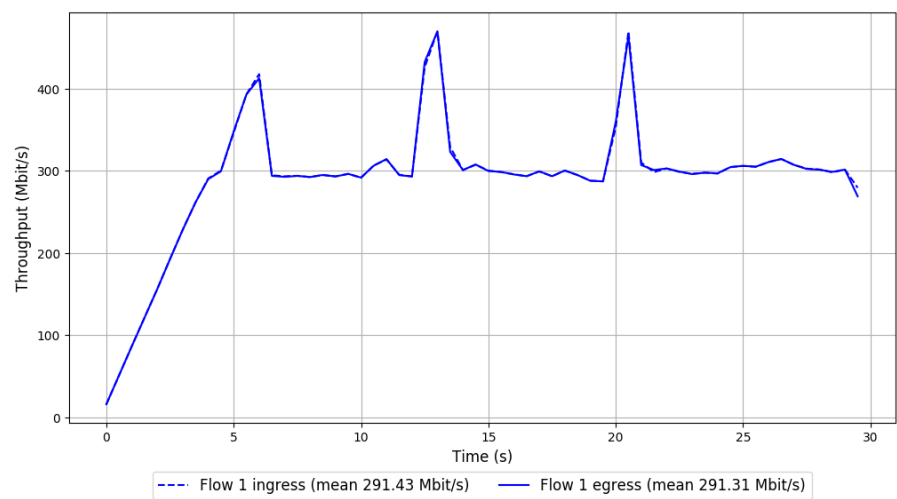
-- Flow 1:

Average throughput: 291.31 Mbit/s

95th percentile per-packet one-way delay: 13.374 ms

Loss rate: 0.10%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Tue, 25 Jul 2017 02:23:59 +0000

End at: Tue, 25 Jul 2017 02:24:29 +0000

Local clock offset: 0.47 ms

Remote clock offset: -2.418 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:06:24 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 274.56 Mbit/s

95th percentile per-packet one-way delay: 11.845 ms

Loss rate: 0.11%

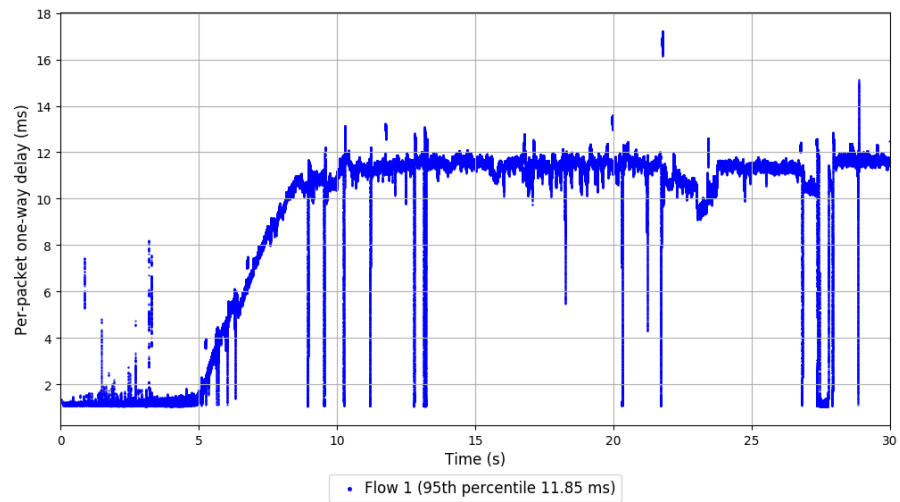
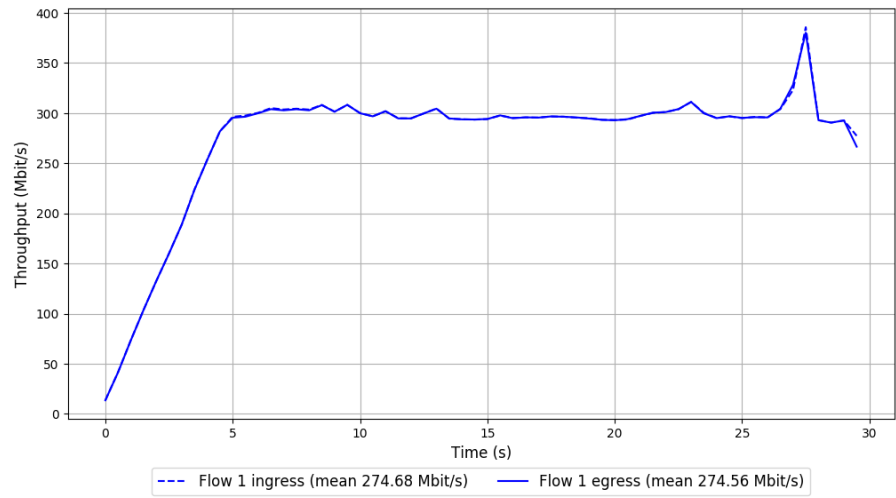
-- Flow 1:

Average throughput: 274.56 Mbit/s

95th percentile per-packet one-way delay: 11.845 ms

Loss rate: 0.11%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Tue, 25 Jul 2017 02:45:05 +0000

End at: Tue, 25 Jul 2017 02:45:35 +0000

Local clock offset: 0.458 ms

Remote clock offset: -2.462 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:06:28 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 269.33 Mbit/s

95th percentile per-packet one-way delay: 14.578 ms

Loss rate: 0.11%

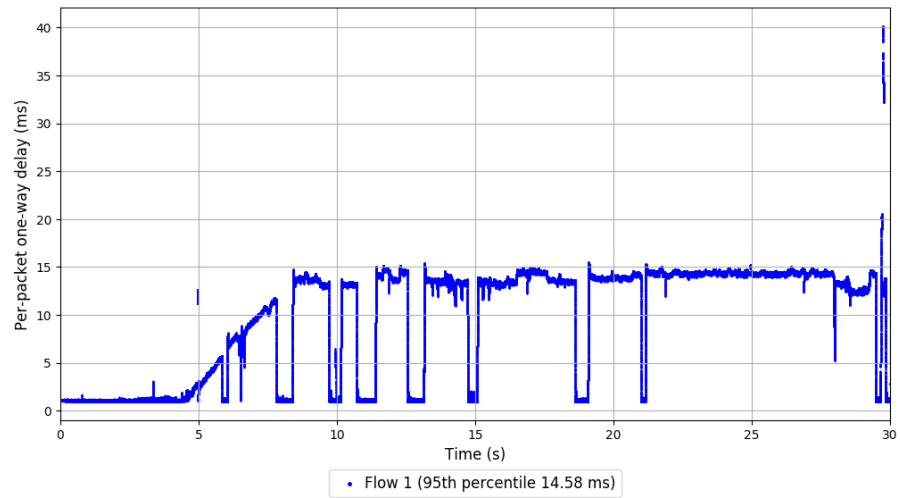
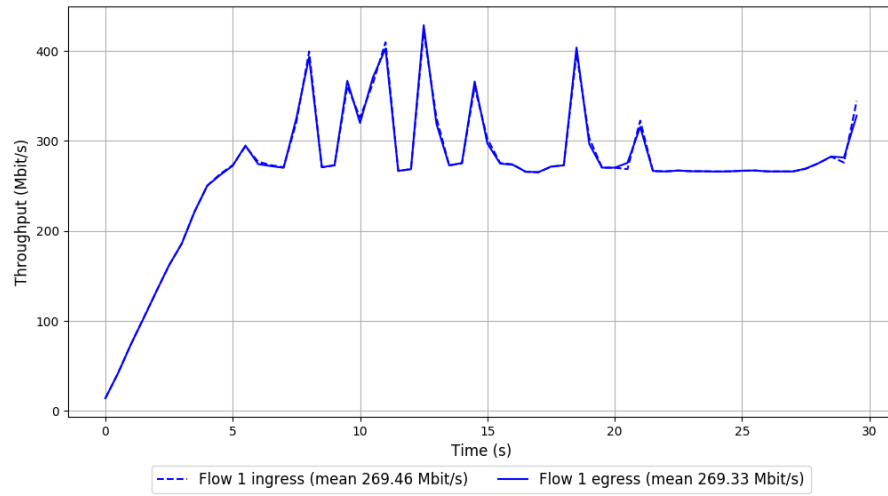
-- Flow 1:

Average throughput: 269.33 Mbit/s

95th percentile per-packet one-way delay: 14.578 ms

Loss rate: 0.11%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Mon, 24 Jul 2017 23:30:09 +0000

End at: Mon, 24 Jul 2017 23:30:39 +0000

Local clock offset: 0.349 ms

Remote clock offset: -2.815 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:07:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 748.57 Mbit/s

95th percentile per-packet one-way delay: 47.648 ms

Loss rate: 2.99%

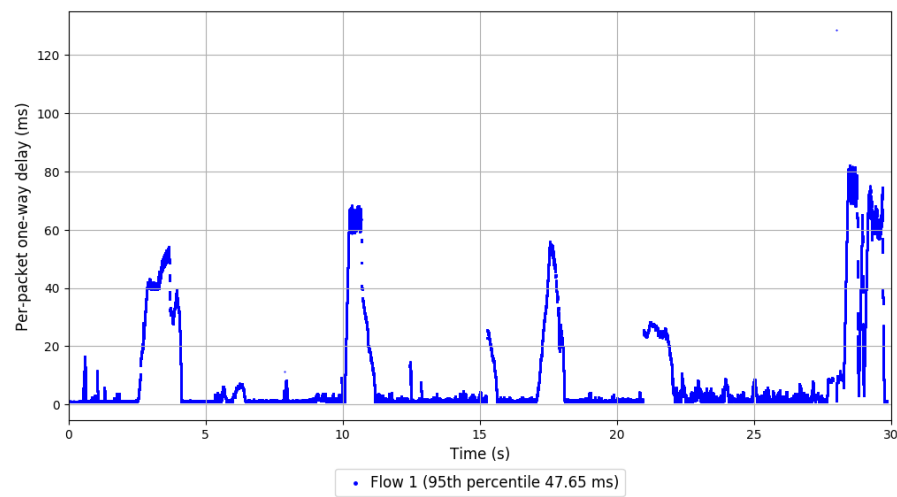
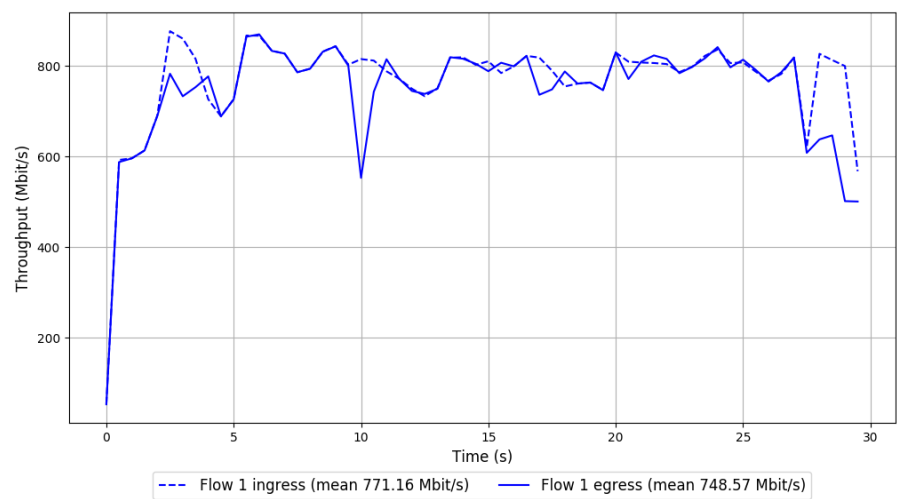
-- Flow 1:

Average throughput: 748.57 Mbit/s

95th percentile per-packet one-way delay: 47.648 ms

Loss rate: 2.99%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Mon, 24 Jul 2017 23:51:02 +0000

End at: Mon, 24 Jul 2017 23:51:32 +0000

Local clock offset: 0.349 ms

Remote clock offset: -2.709 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:07:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 707.71 Mbit/s

95th percentile per-packet one-way delay: 55.619 ms

Loss rate: 3.46%

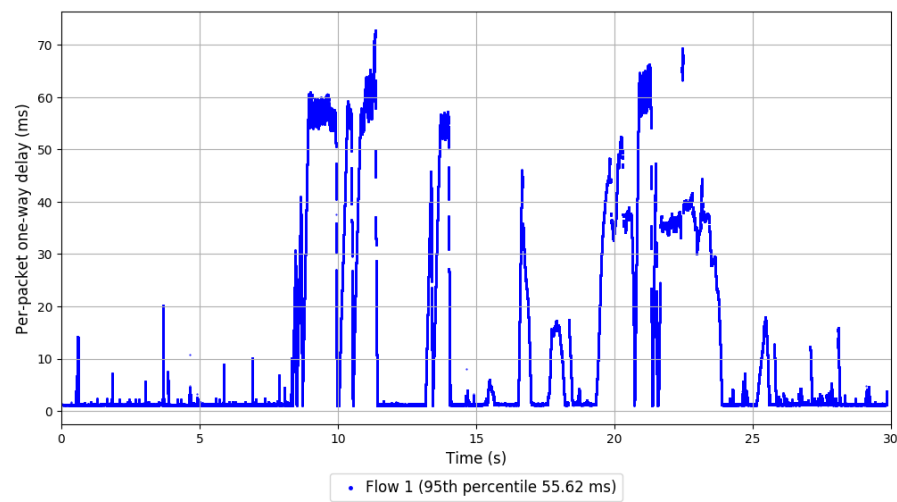
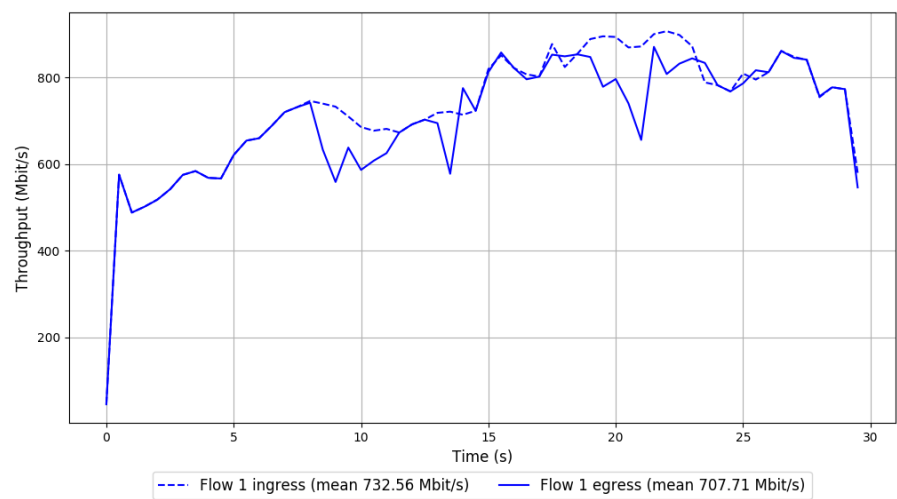
-- Flow 1:

Average throughput: 707.71 Mbit/s

95th percentile per-packet one-way delay: 55.619 ms

Loss rate: 3.46%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Tue, 25 Jul 2017 00:11:40 +0000

End at: Tue, 25 Jul 2017 00:12:10 +0000

Local clock offset: 0.189 ms

Remote clock offset: -2.529 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:09:24 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 729.47 Mbit/s

95th percentile per-packet one-way delay: 56.702 ms

Loss rate: 2.17%

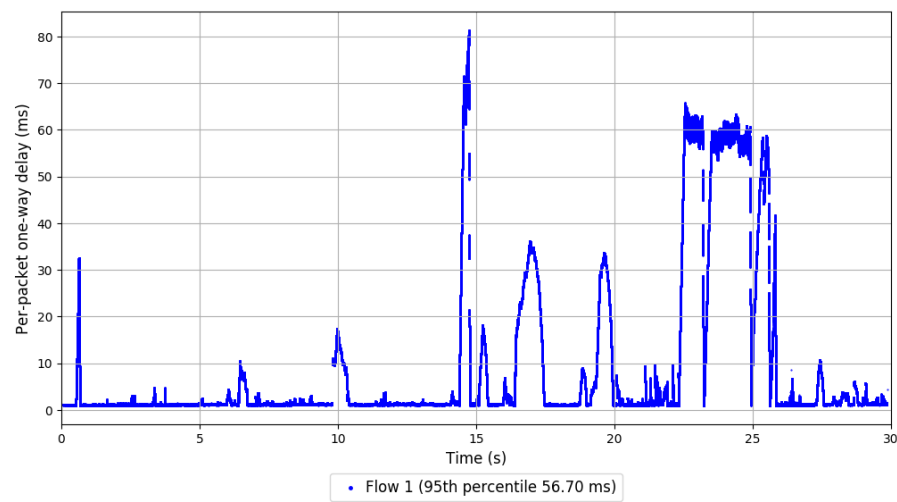
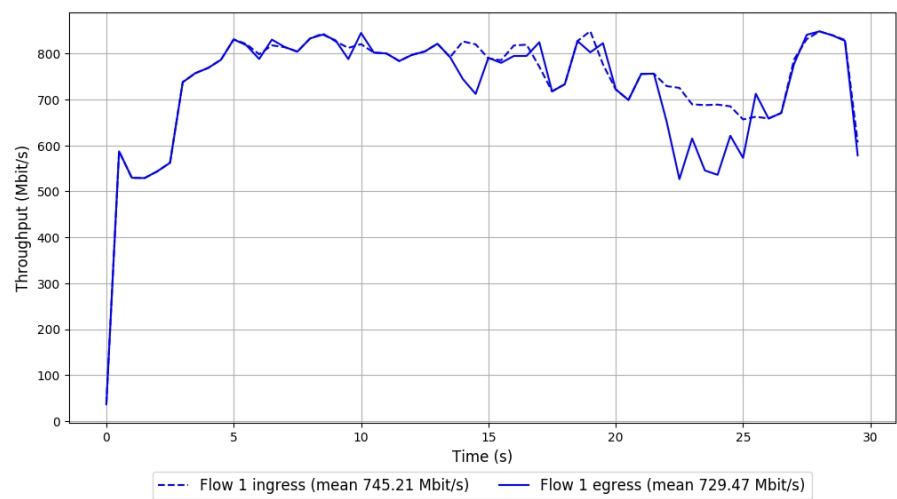
-- Flow 1:

Average throughput: 729.47 Mbit/s

95th percentile per-packet one-way delay: 56.702 ms

Loss rate: 2.17%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Tue, 25 Jul 2017 00:32:44 +0000

End at: Tue, 25 Jul 2017 00:33:14 +0000

Local clock offset: 0.304 ms

Remote clock offset: -2.436 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:09:31 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 742.07 Mbit/s

95th percentile per-packet one-way delay: 40.615 ms

Loss rate: 2.39%

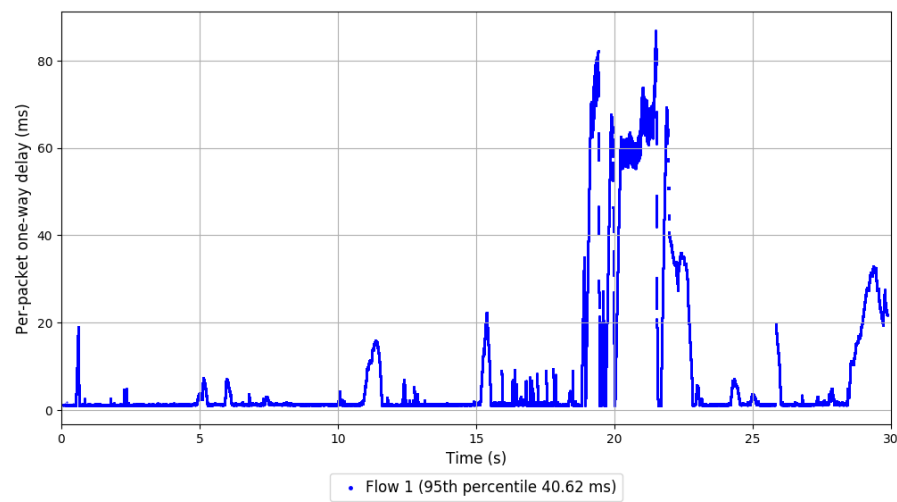
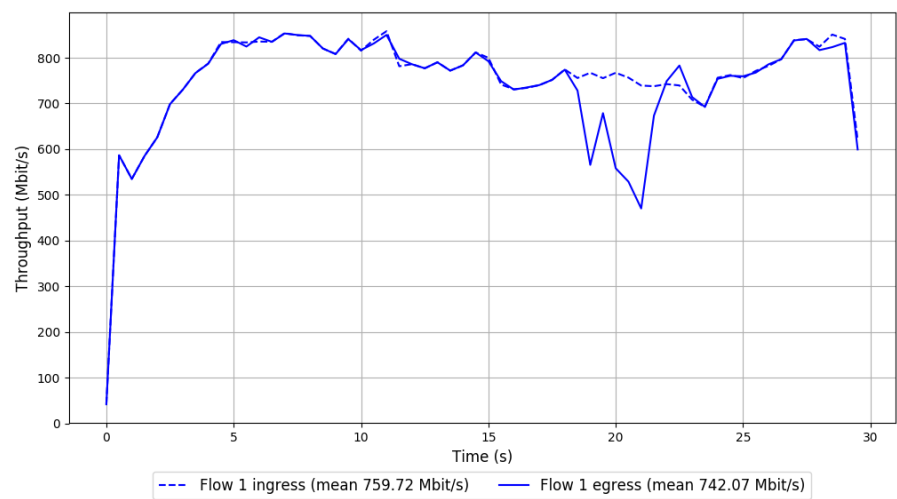
-- Flow 1:

Average throughput: 742.07 Mbit/s

95th percentile per-packet one-way delay: 40.615 ms

Loss rate: 2.39%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Tue, 25 Jul 2017 00:53:28 +0000

End at: Tue, 25 Jul 2017 00:53:58 +0000

Local clock offset: 0.226 ms

Remote clock offset: -1.989 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:11:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 838.26 Mbit/s

95th percentile per-packet one-way delay: 47.276 ms

Loss rate: 4.96%

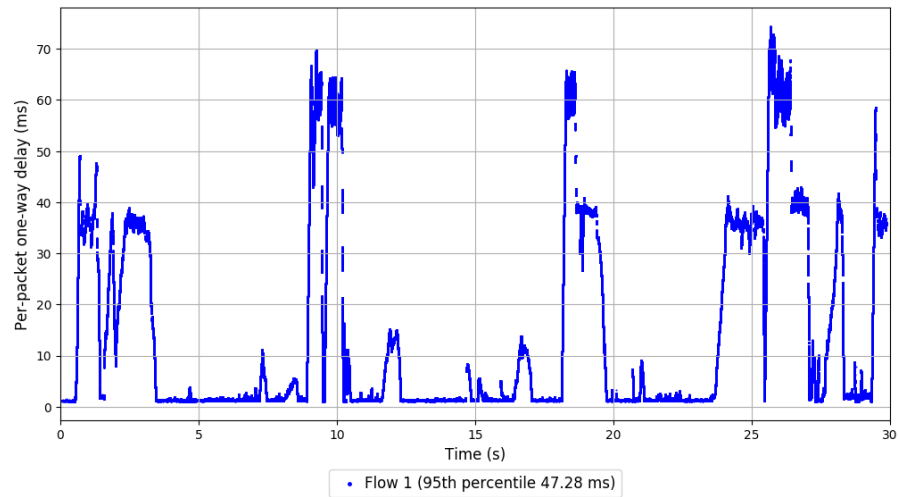
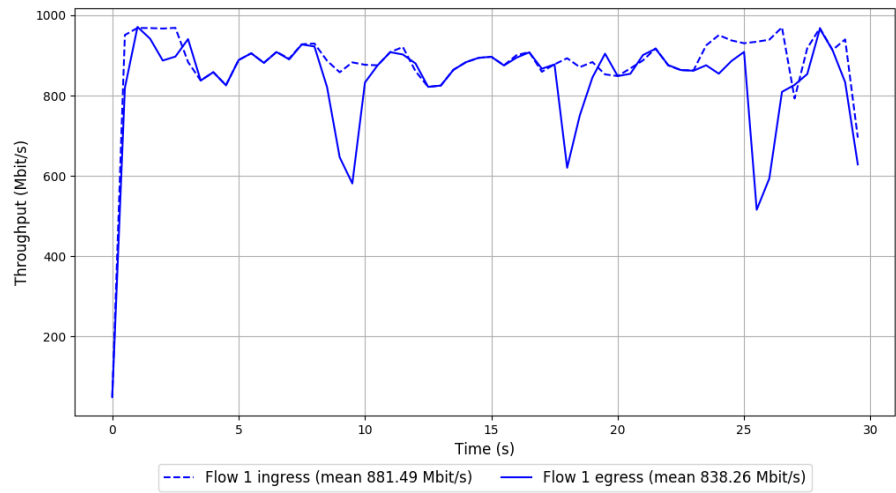
-- Flow 1:

Average throughput: 838.26 Mbit/s

95th percentile per-packet one-way delay: 47.276 ms

Loss rate: 4.96%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Tue, 25 Jul 2017 01:14:20 +0000

End at: Tue, 25 Jul 2017 01:14:50 +0000

Local clock offset: 0.289 ms

Remote clock offset: -1.848 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:11:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 638.29 Mbit/s

95th percentile per-packet one-way delay: 56.715 ms

Loss rate: 4.95%

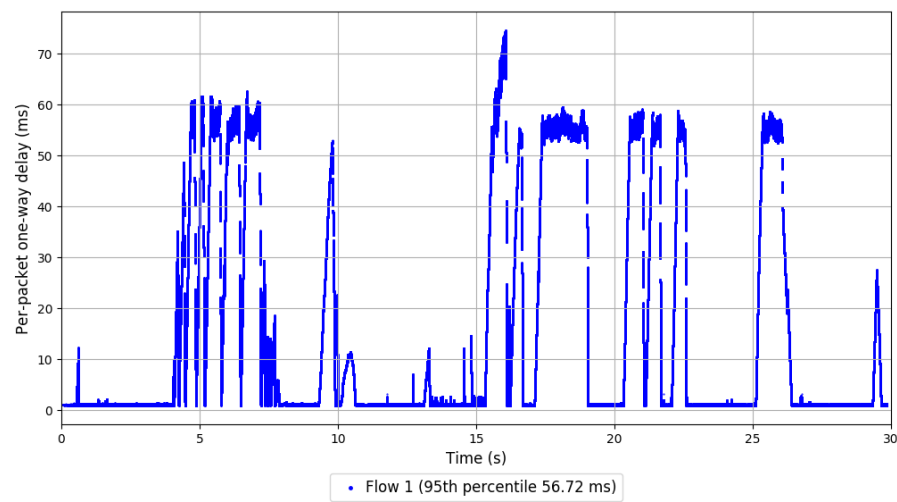
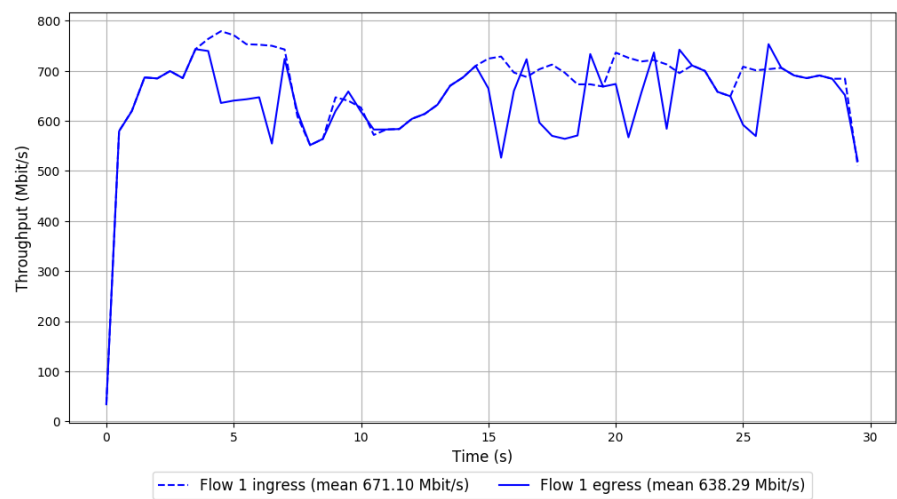
-- Flow 1:

Average throughput: 638.29 Mbit/s

95th percentile per-packet one-way delay: 56.715 ms

Loss rate: 4.95%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Tue, 25 Jul 2017 01:34:59 +0000

End at: Tue, 25 Jul 2017 01:35:29 +0000

Local clock offset: 0.242 ms

Remote clock offset: -1.624 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:12:05 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 729.01 Mbit/s

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

Loss rate: 4.02%

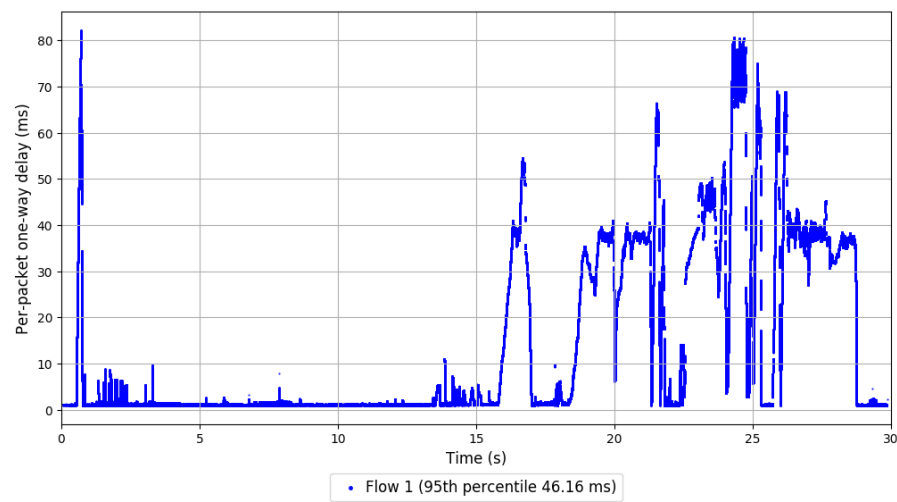
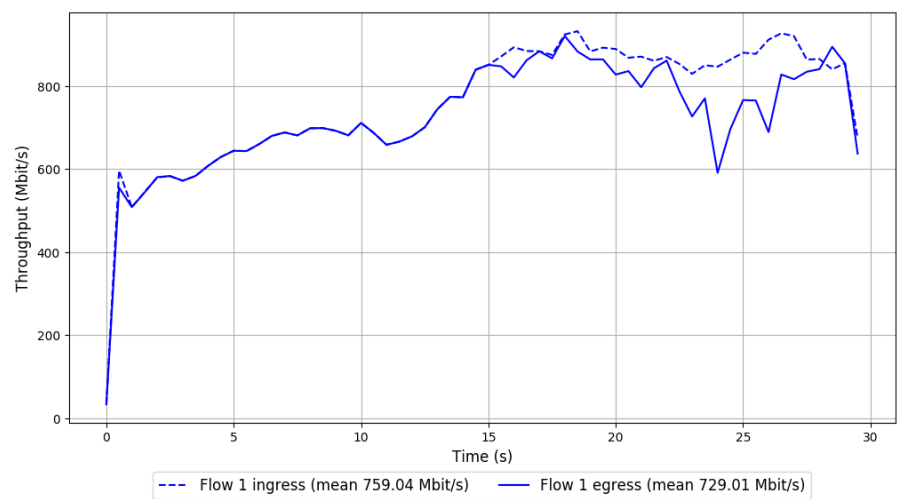
-- Flow 1:

Average throughput: 729.01 Mbit/s

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

Loss rate: 4.02%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Tue, 25 Jul 2017 01:55:41 +0000

End at: Tue, 25 Jul 2017 01:56:11 +0000

Local clock offset: 0.235 ms

Remote clock offset: -1.956 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:12:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 729.27 Mbit/s

95th percentile per-packet one-way delay: 31.766 ms

Loss rate: 0.99%

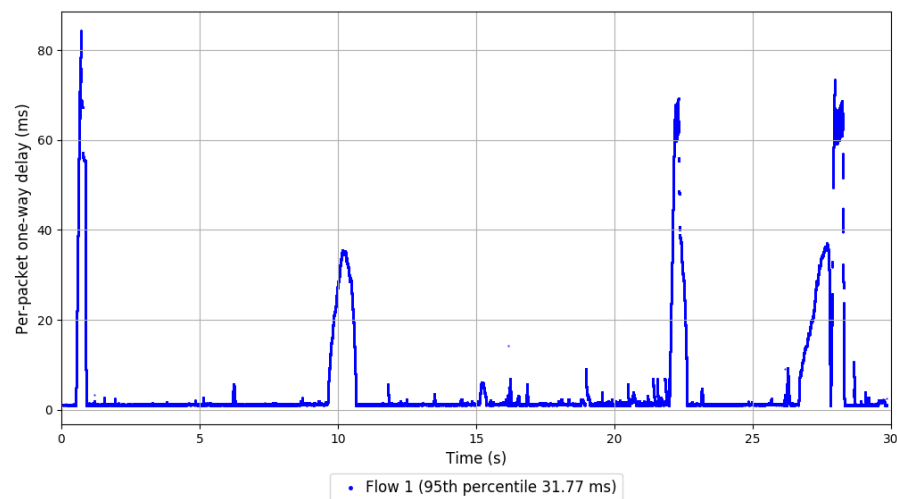
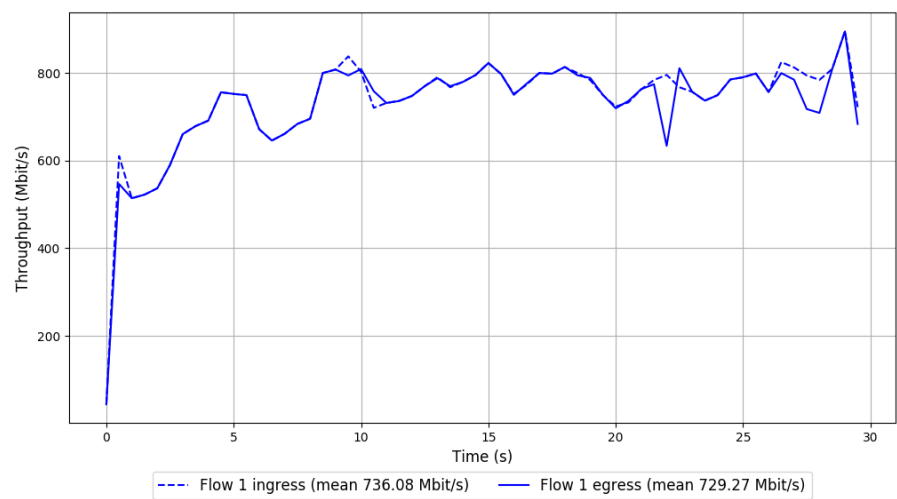
-- Flow 1:

Average throughput: 729.27 Mbit/s

95th percentile per-packet one-way delay: 31.766 ms

Loss rate: 0.99%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Tue, 25 Jul 2017 02:16:39 +0000

End at: Tue, 25 Jul 2017 02:17:09 +0000

Local clock offset: 0.325 ms

Remote clock offset: -2.414 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:13:39 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 738.87 Mbit/s

95th percentile per-packet one-way delay: 54.233 ms

Loss rate: 1.99%

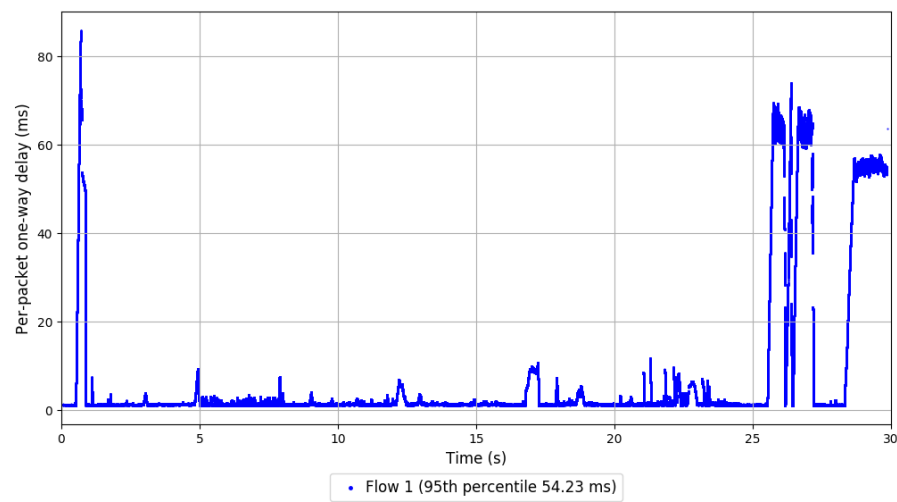
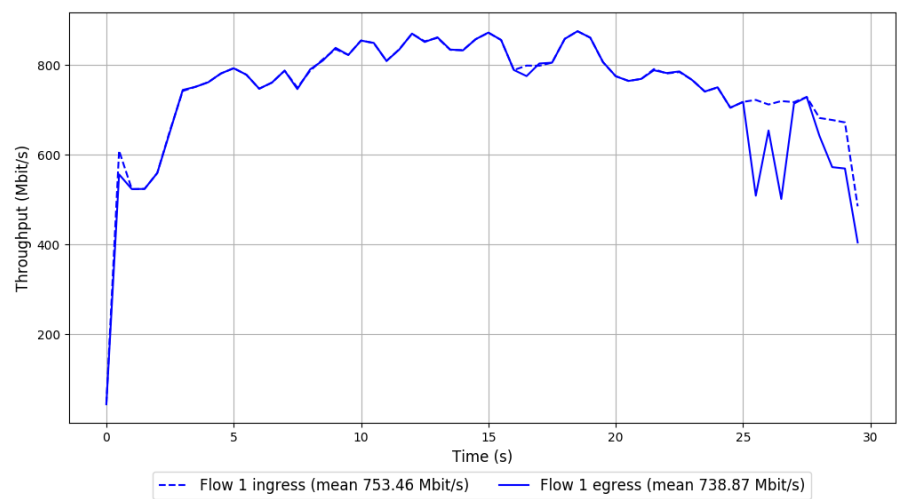
-- Flow 1:

Average throughput: 738.87 Mbit/s

95th percentile per-packet one-way delay: 54.233 ms

Loss rate: 1.99%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Tue, 25 Jul 2017 02:37:35 +0000

End at: Tue, 25 Jul 2017 02:38:05 +0000

Local clock offset: 0.406 ms

Remote clock offset: -2.411 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:14:25 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 748.27 Mbit/s

95th percentile per-packet one-way delay: 59.199 ms

Loss rate: 3.32%

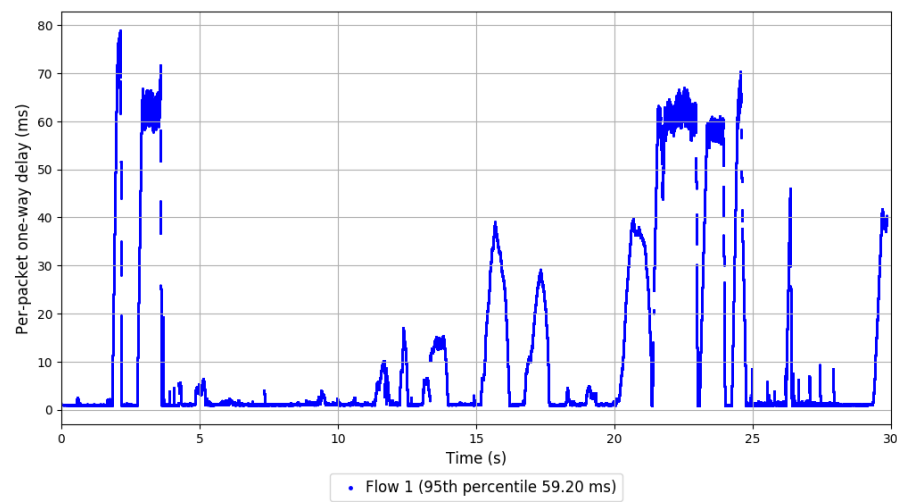
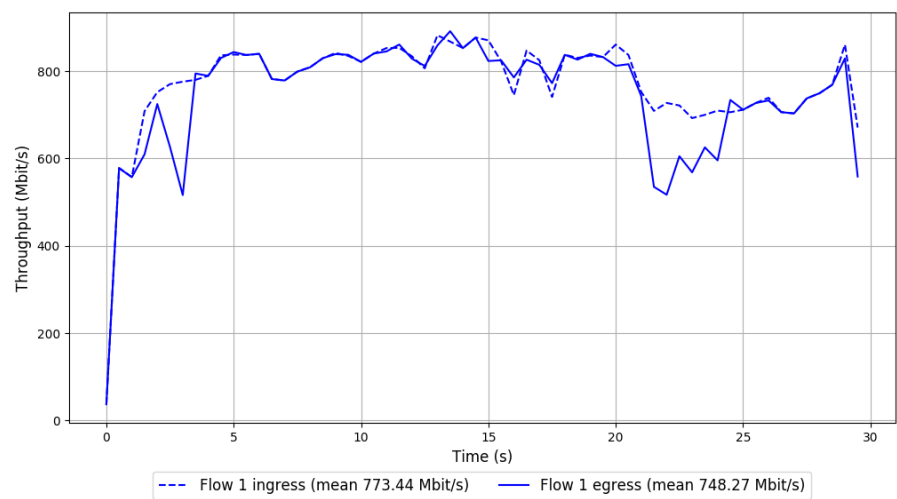
-- Flow 1:

Average throughput: 748.27 Mbit/s

95th percentile per-packet one-way delay: 59.199 ms

Loss rate: 3.32%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

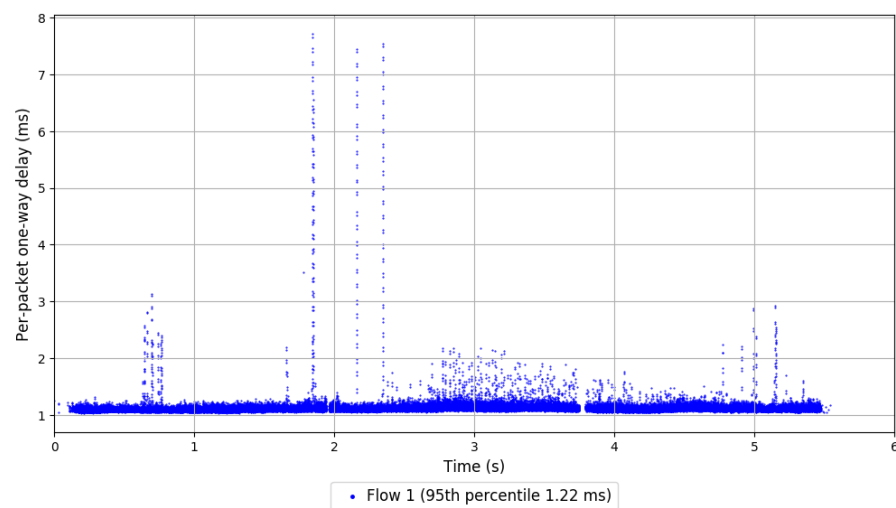
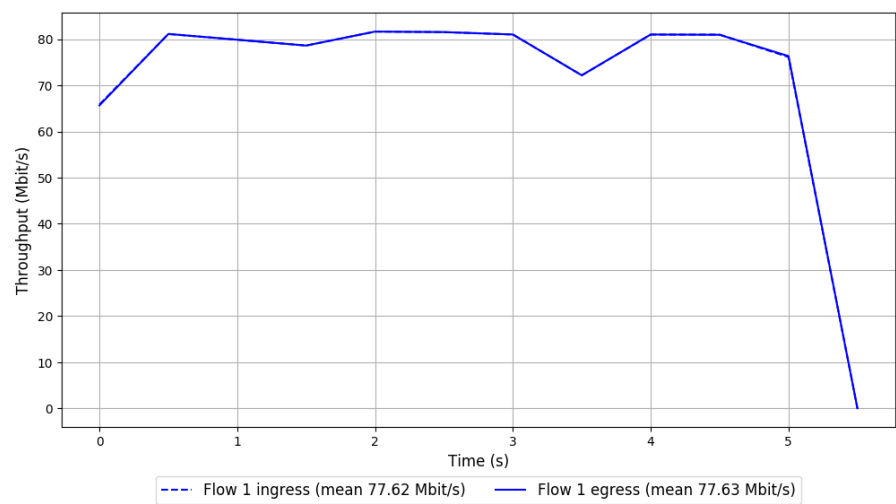
Start at: Mon, 24 Jul 2017 23:24:58 +0000

End at: Mon, 24 Jul 2017 23:25:28 +0000

Local clock offset: 0.471 ms

Remote clock offset: -2.928 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

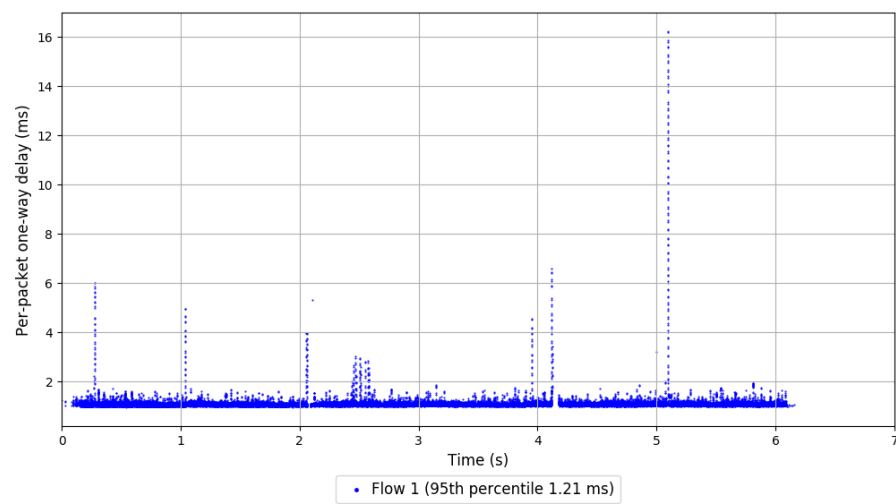
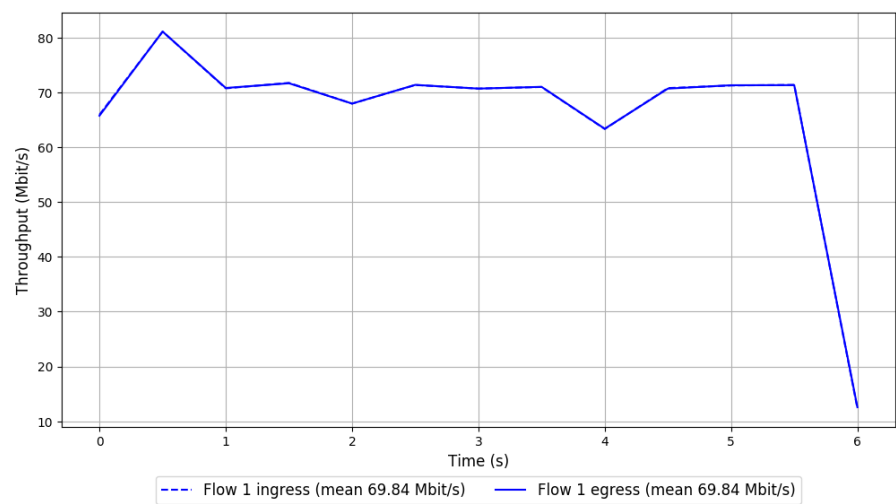
Start at: Mon, 24 Jul 2017 23:45:50 +0000

End at: Mon, 24 Jul 2017 23:46:20 +0000

Local clock offset: 0.347 ms

Remote clock offset: -2.714 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

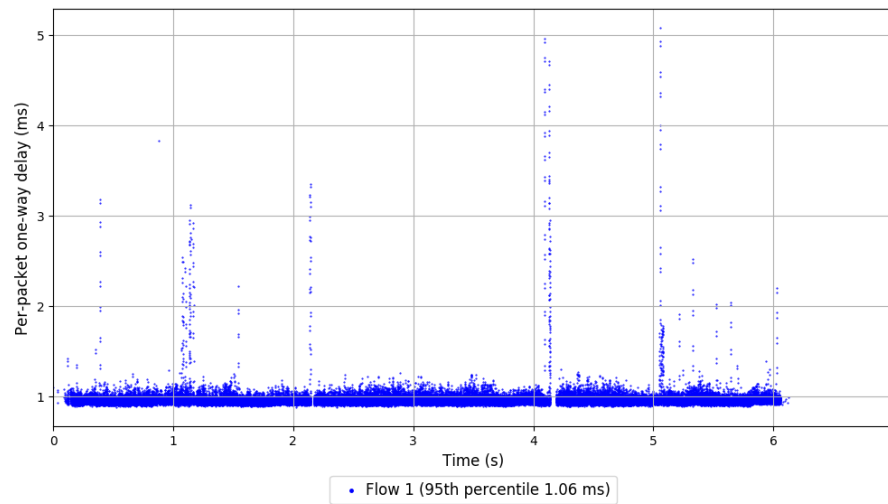
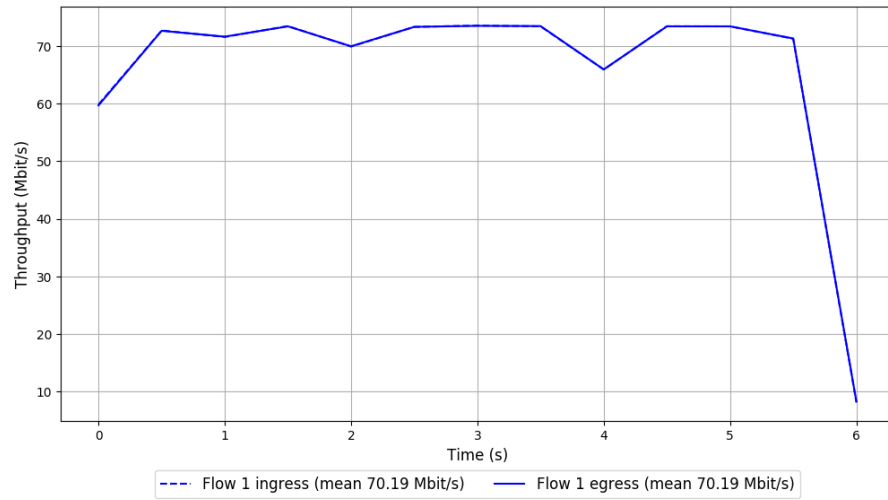
Start at: Tue, 25 Jul 2017 00:06:31 +0000

End at: Tue, 25 Jul 2017 00:07:01 +0000

Local clock offset: 0.094 ms

Remote clock offset: -2.576 ms

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

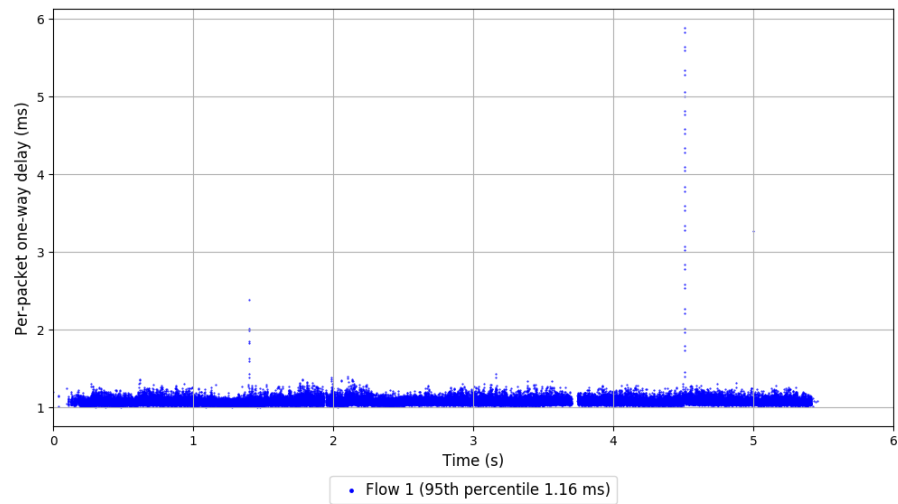
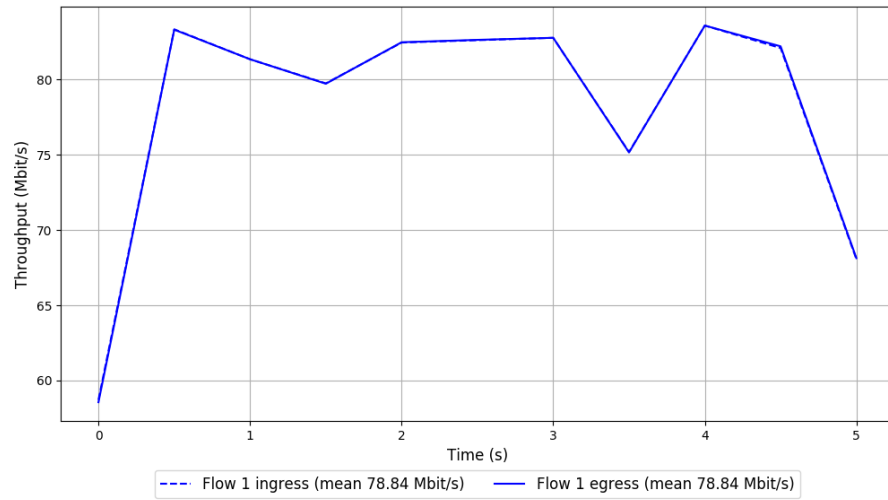
Start at: Tue, 25 Jul 2017 00:27:25 +0000

End at: Tue, 25 Jul 2017 00:27:55 +0000

Local clock offset: 0.241 ms

Remote clock offset: -2.467 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

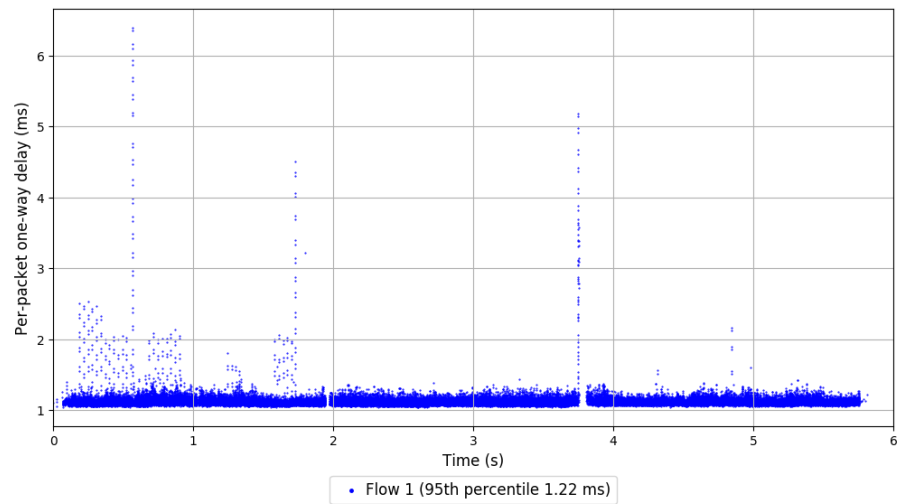
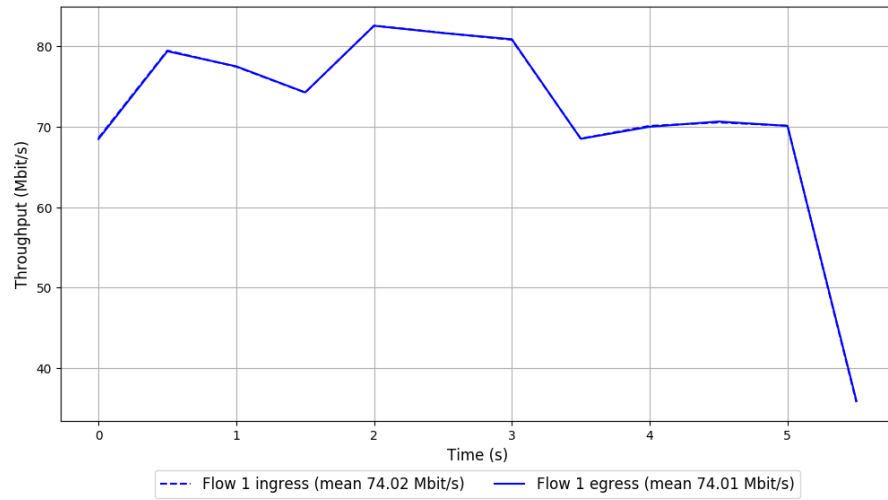
Start at: Tue, 25 Jul 2017 00:48:13 +0000

End at: Tue, 25 Jul 2017 00:48:43 +0000

Local clock offset: 0.262 ms

Remote clock offset: -2.088 ms

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

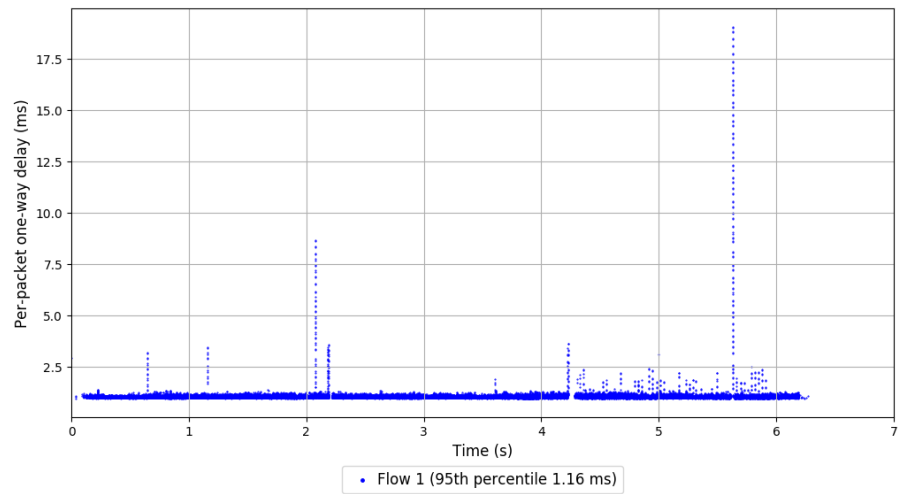
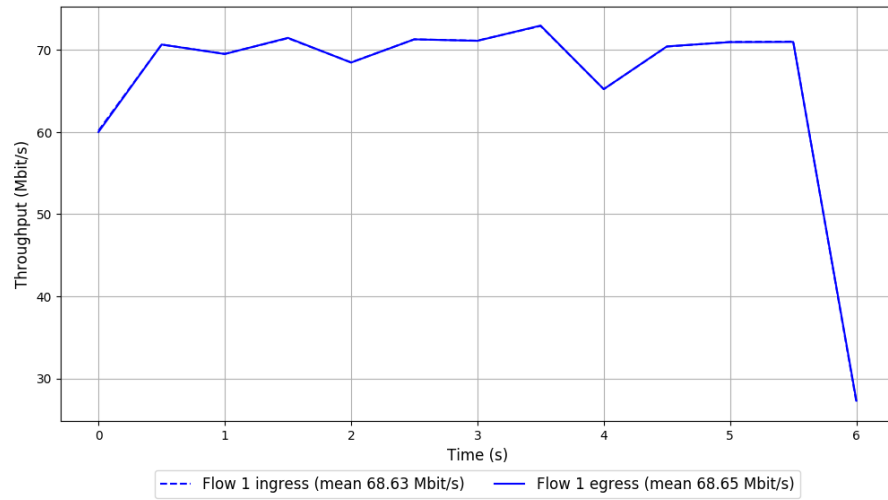
Start at: Tue, 25 Jul 2017 01:09:07 +0000

End at: Tue, 25 Jul 2017 01:09:37 +0000

Local clock offset: 0.199 ms

Remote clock offset: -1.88 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

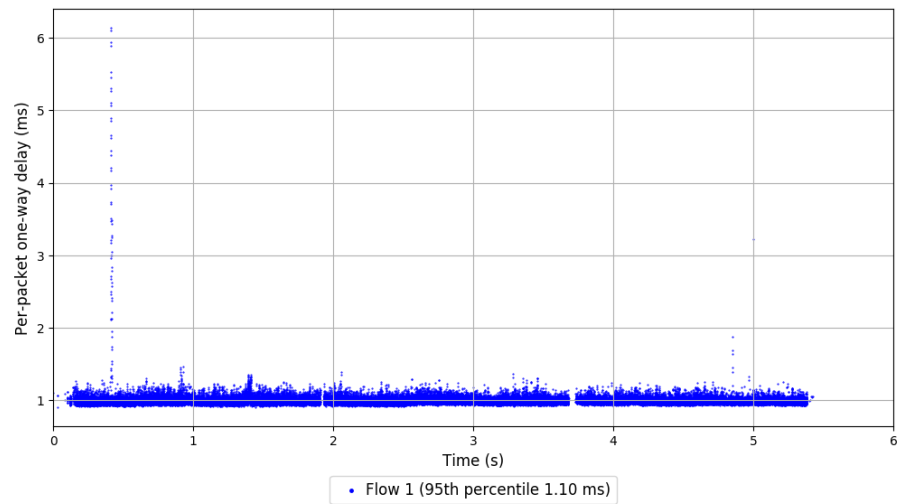
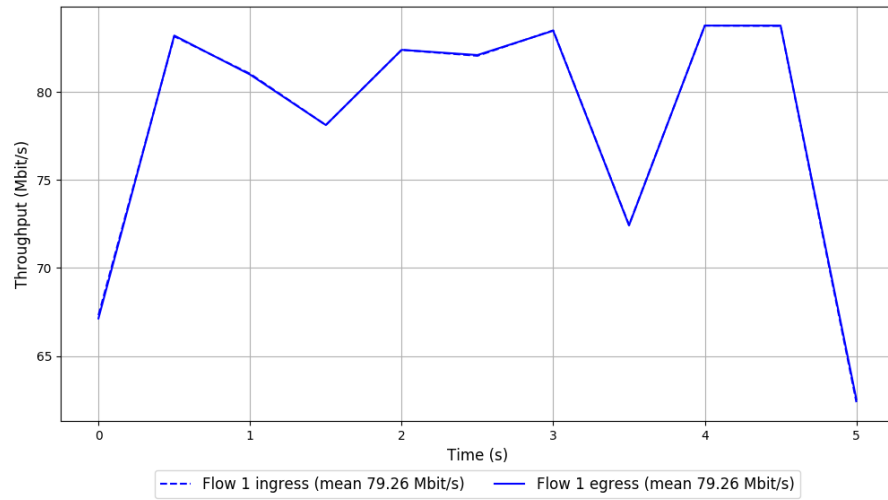
Start at: Tue, 25 Jul 2017 01:29:47 +0000

End at: Tue, 25 Jul 2017 01:30:17 +0000

Local clock offset: 0.281 ms

Remote clock offset: -1.608 ms

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

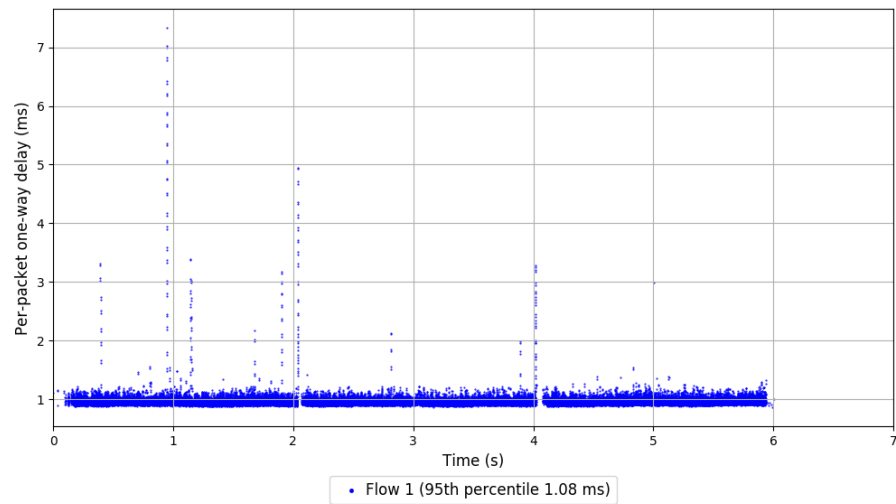
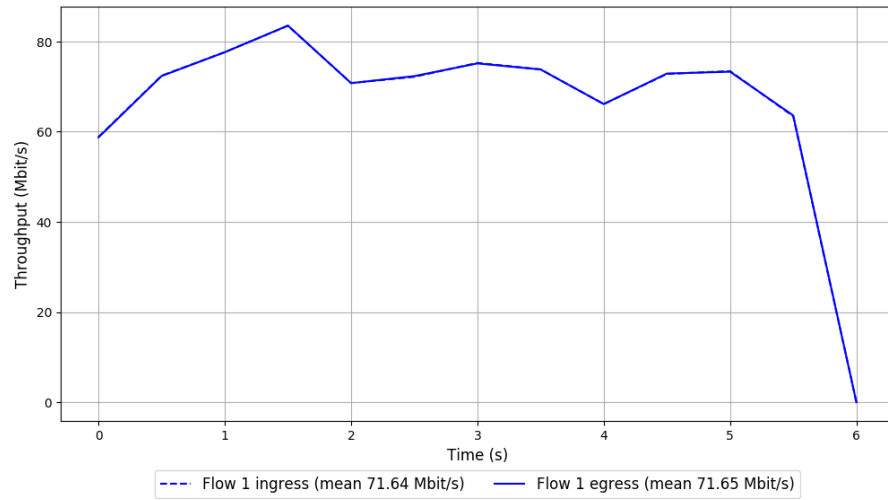
Start at: Tue, 25 Jul 2017 01:50:29 +0000

End at: Tue, 25 Jul 2017 01:50:59 +0000

Local clock offset: 0.131 ms

Remote clock offset: -1.856 ms

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

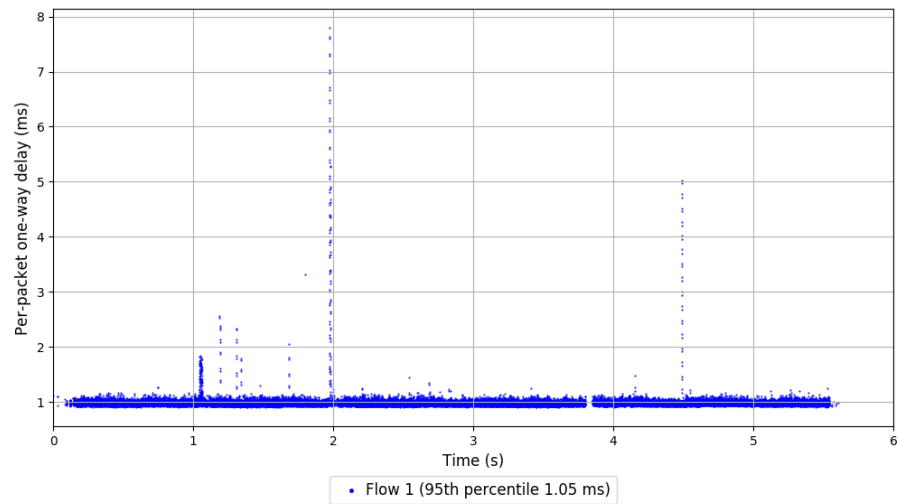
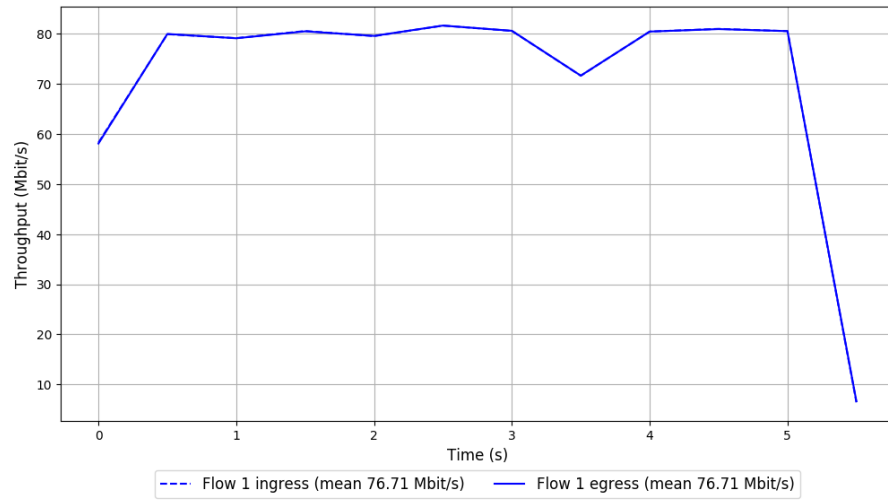
Start at: Tue, 25 Jul 2017 02:11:28 +0000

End at: Tue, 25 Jul 2017 02:11:58 +0000

Local clock offset: 0.276 ms

Remote clock offset: -2.282 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

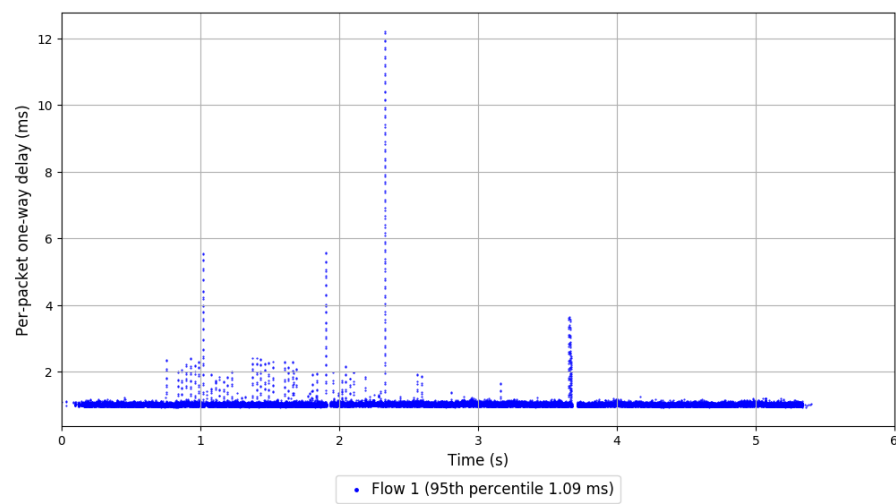
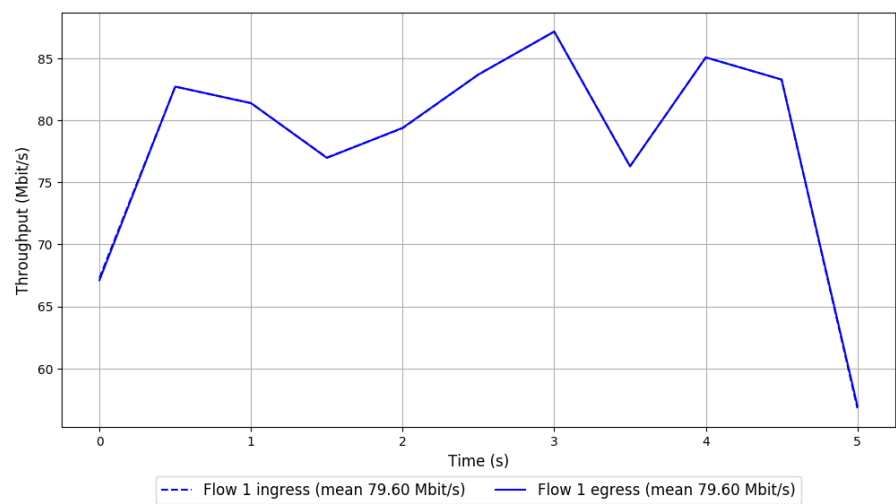
Start at: Tue, 25 Jul 2017 02:32:20 +0000

End at: Tue, 25 Jul 2017 02:32:50 +0000

Local clock offset: 0.413 ms

Remote clock offset: -2.436 ms

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Mon, 24 Jul 2017 23:28:52 +0000

End at: Mon, 24 Jul 2017 23:29:22 +0000

Local clock offset: 0.448 ms

Remote clock offset: -2.833 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:14:33 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 118.27 Mbit/s

95th percentile per-packet one-way delay: 1.264 ms

Loss rate: 0.07%

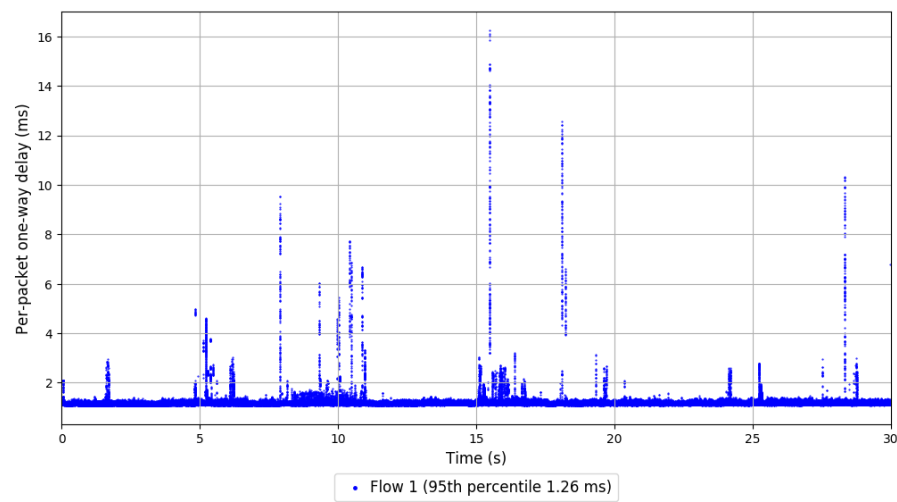
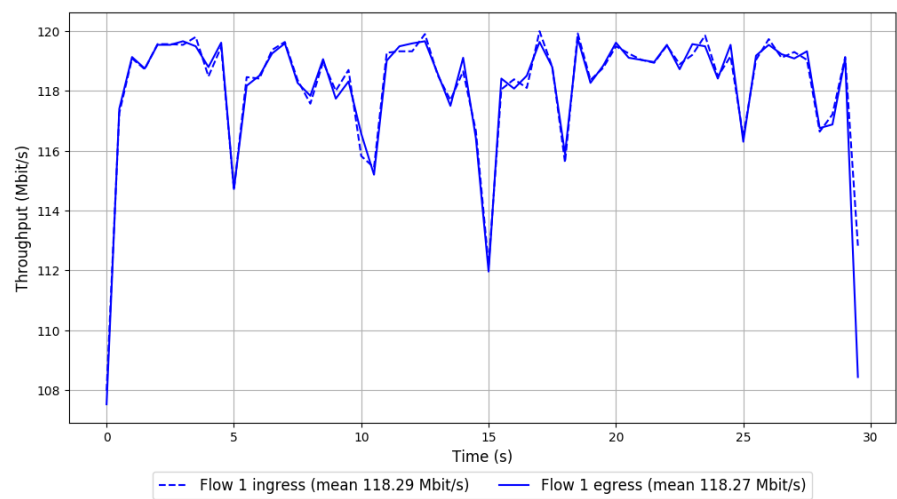
-- Flow 1:

Average throughput: 118.27 Mbit/s

95th percentile per-packet one-way delay: 1.264 ms

Loss rate: 0.07%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Mon, 24 Jul 2017 23:49:44 +0000

End at: Mon, 24 Jul 2017 23:50:15 +0000

Local clock offset: 0.252 ms

Remote clock offset: -2.65 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:14:41 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 119.44 Mbit/s

95th percentile per-packet one-way delay: 1.092 ms

Loss rate: 0.07%

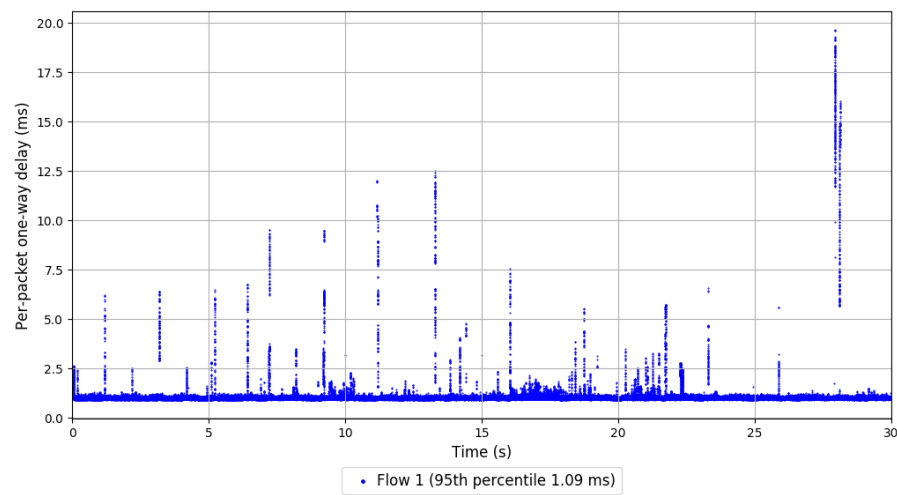
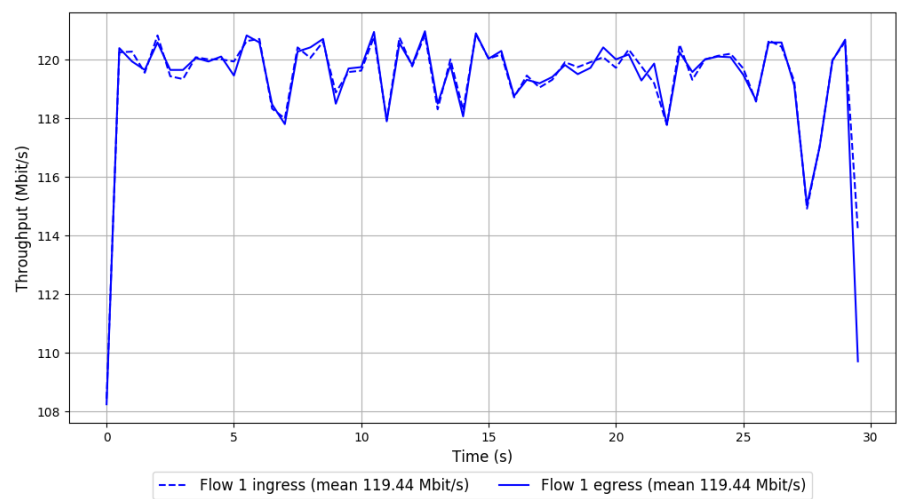
-- Flow 1:

Average throughput: 119.44 Mbit/s

95th percentile per-packet one-way delay: 1.092 ms

Loss rate: 0.07%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Tue, 25 Jul 2017 00:10:23 +0000

End at: Tue, 25 Jul 2017 00:10:53 +0000

Local clock offset: 0.089 ms

Remote clock offset: -2.589 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:14:48 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 119.75 Mbit/s

95th percentile per-packet one-way delay: 1.095 ms

Loss rate: 0.07%

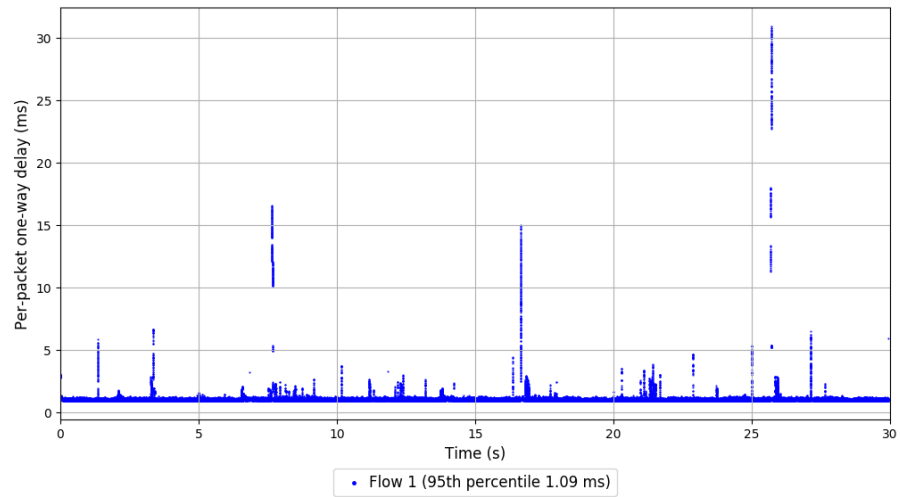
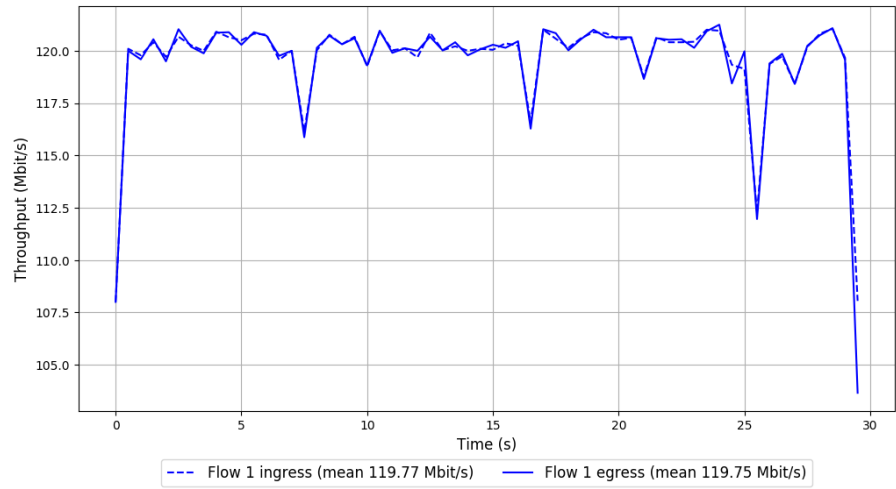
-- Flow 1:

Average throughput: 119.75 Mbit/s

95th percentile per-packet one-way delay: 1.095 ms

Loss rate: 0.07%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Tue, 25 Jul 2017 00:31:27 +0000

End at: Tue, 25 Jul 2017 00:31:57 +0000

Local clock offset: 0.336 ms

Remote clock offset: -2.455 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:14:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.02 Mbit/s

95th percentile per-packet one-way delay: 1.271 ms

Loss rate: 0.07%

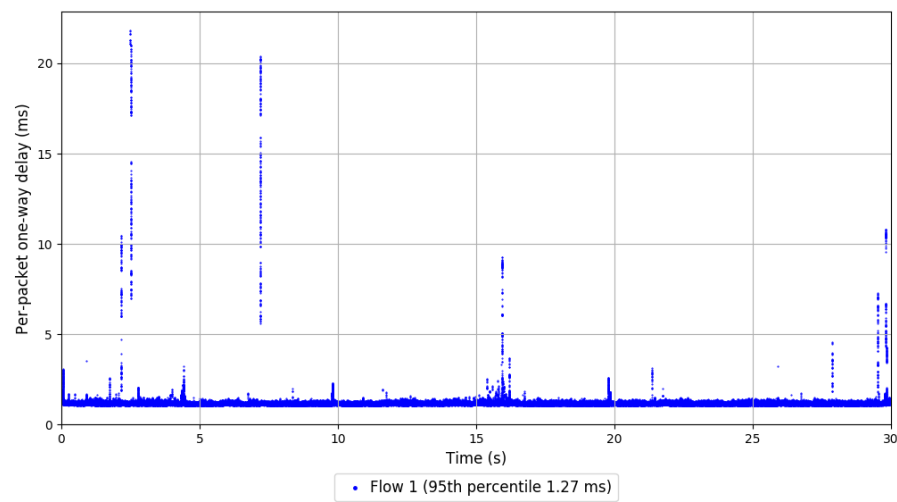
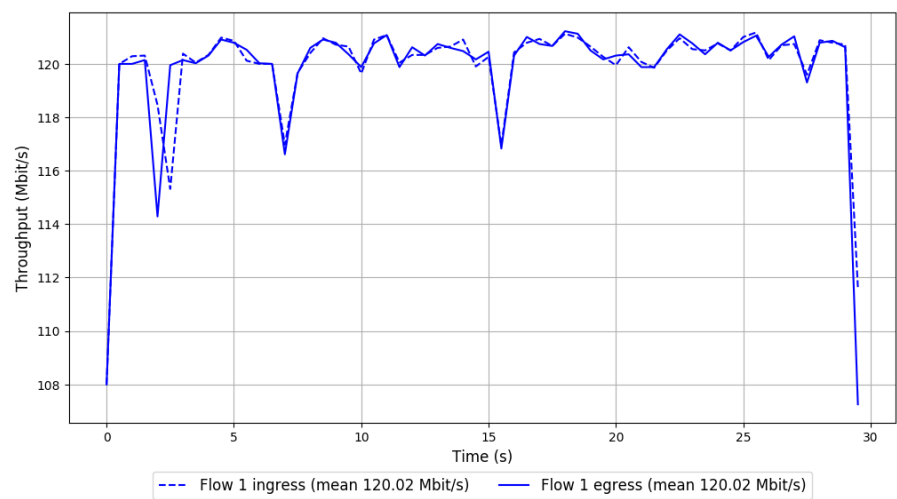
-- Flow 1:

Average throughput: 120.02 Mbit/s

95th percentile per-packet one-way delay: 1.271 ms

Loss rate: 0.07%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Tue, 25 Jul 2017 00:52:10 +0000

End at: Tue, 25 Jul 2017 00:52:40 +0000

Local clock offset: 0.155 ms

Remote clock offset: -1.93 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:15:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 118.10 Mbit/s

95th percentile per-packet one-way delay: 1.103 ms

Loss rate: 0.07%

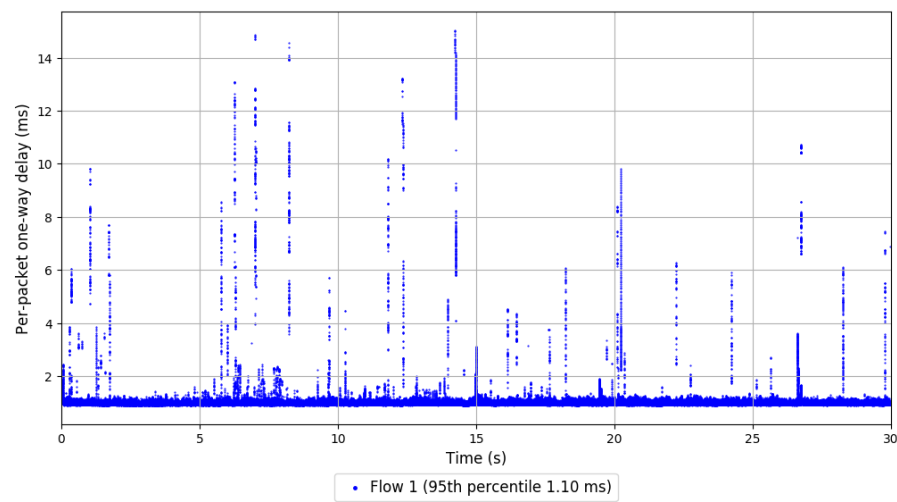
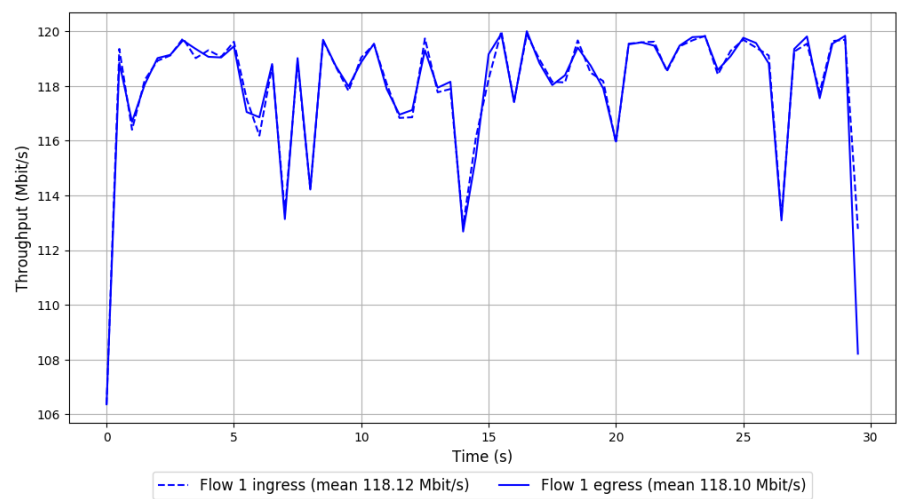
-- Flow 1:

Average throughput: 118.10 Mbit/s

95th percentile per-packet one-way delay: 1.103 ms

Loss rate: 0.07%

Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Tue, 25 Jul 2017 01:13:02 +0000

End at: Tue, 25 Jul 2017 01:13:32 +0000

Local clock offset: 0.334 ms

Remote clock offset: -1.877 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:15:11 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 119.71 Mbit/s

95th percentile per-packet one-way delay: 1.262 ms

Loss rate: 0.06%

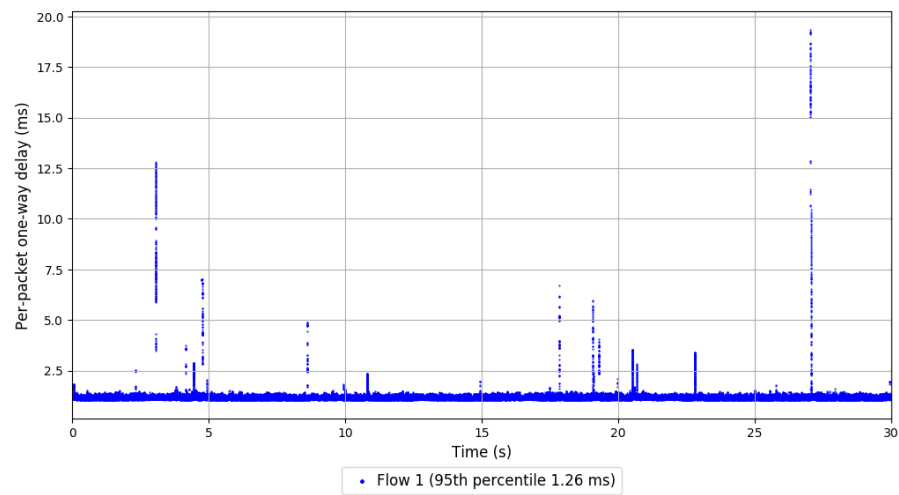
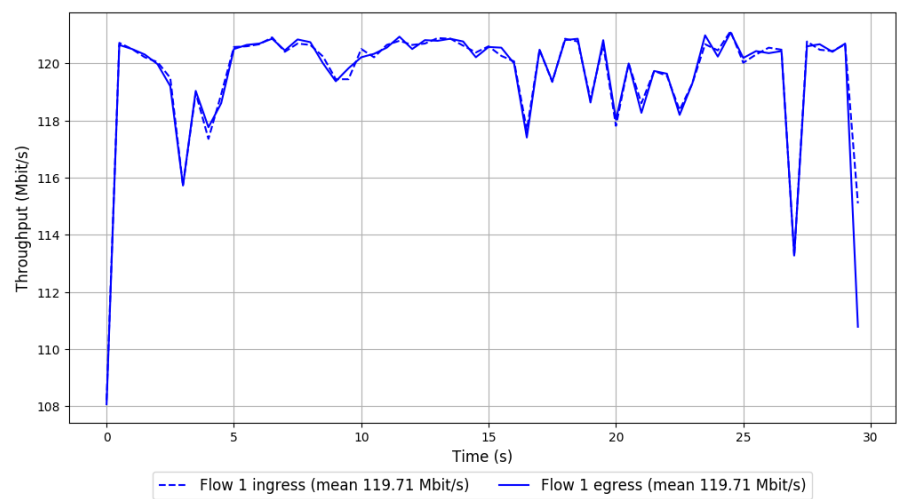
-- Flow 1:

Average throughput: 119.71 Mbit/s

95th percentile per-packet one-way delay: 1.262 ms

Loss rate: 0.06%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Tue, 25 Jul 2017 01:33:41 +0000

End at: Tue, 25 Jul 2017 01:34:11 +0000

Local clock offset: 0.264 ms

Remote clock offset: -1.637 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:15:19 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 126.25 Mbit/s

95th percentile per-packet one-way delay: 1.236 ms

Loss rate: 0.06%

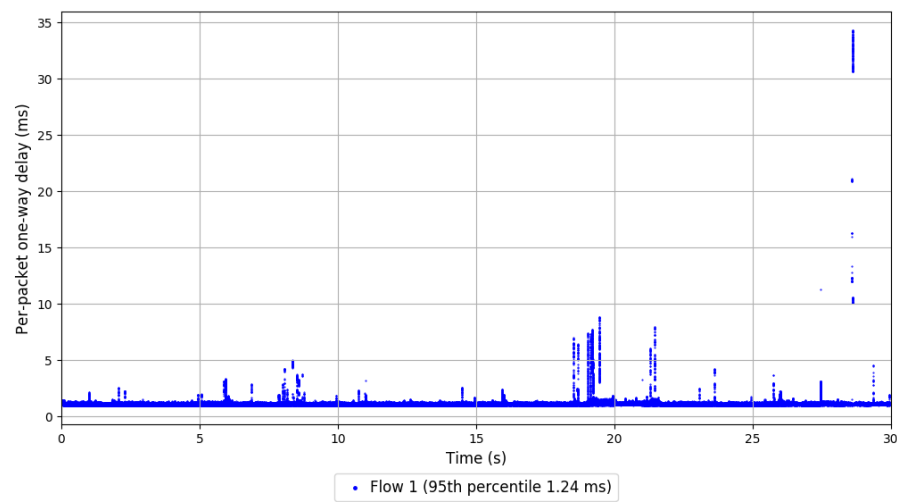
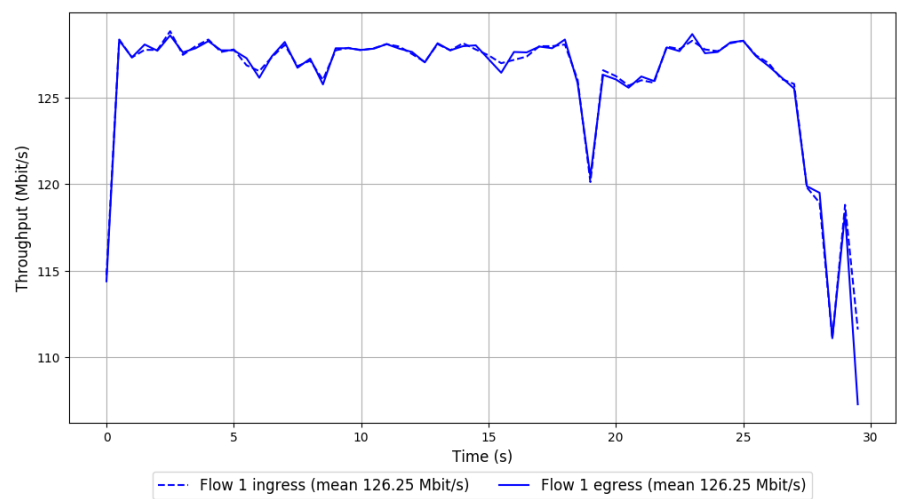
-- Flow 1:

Average throughput: 126.25 Mbit/s

95th percentile per-packet one-way delay: 1.236 ms

Loss rate: 0.06%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Tue, 25 Jul 2017 01:54:23 +0000

End at: Tue, 25 Jul 2017 01:54:53 +0000

Local clock offset: 0.232 ms

Remote clock offset: -2.034 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:15:28 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.46 Mbit/s

95th percentile per-packet one-way delay: 1.264 ms

Loss rate: 0.07%

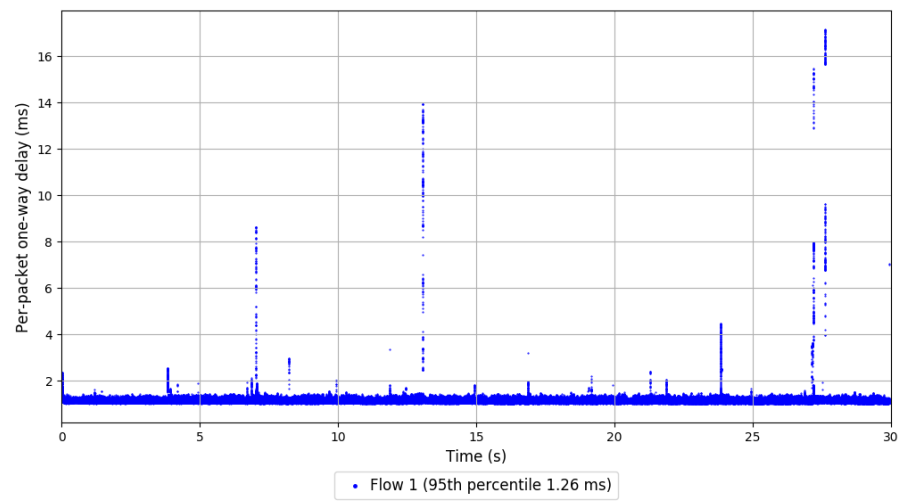
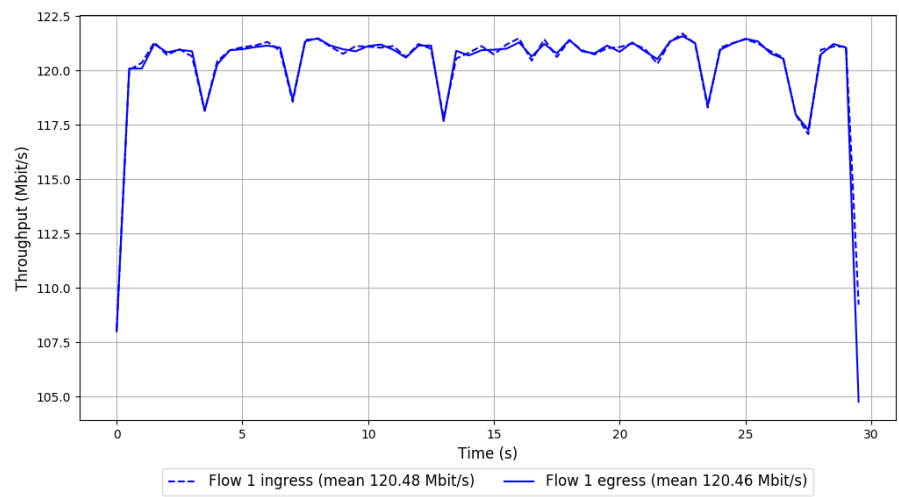
-- Flow 1:

Average throughput: 120.46 Mbit/s

95th percentile per-packet one-way delay: 1.264 ms

Loss rate: 0.07%

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Tue, 25 Jul 2017 02:15:21 +0000

End at: Tue, 25 Jul 2017 02:15:51 +0000

Local clock offset: 0.294 ms

Remote clock offset: -2.36 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:15:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.79 Mbit/s

95th percentile per-packet one-way delay: 1.153 ms

Loss rate: 0.06%

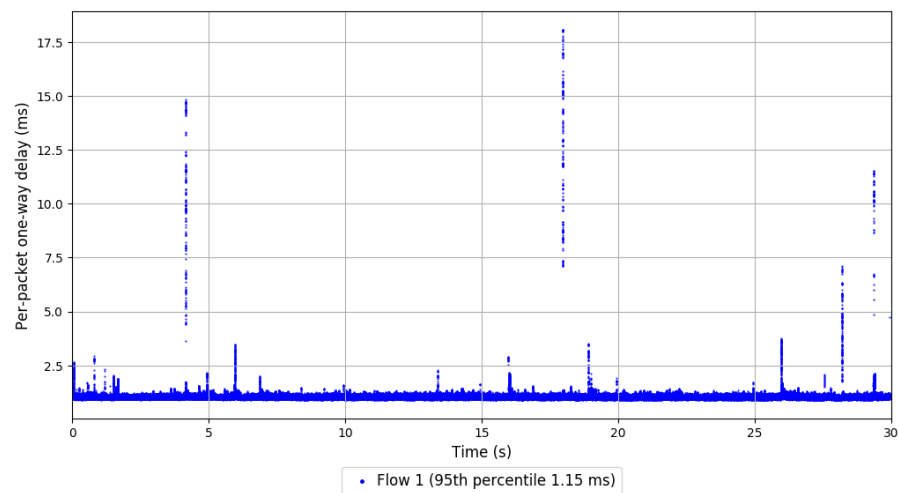
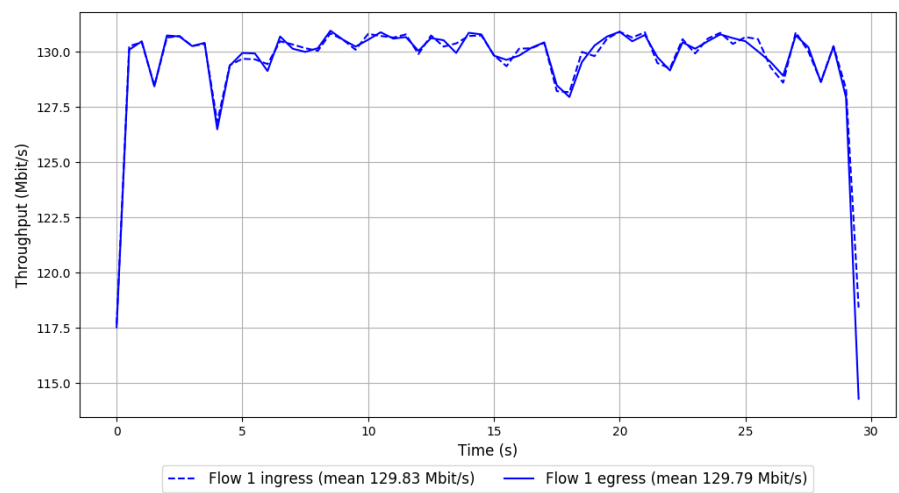
-- Flow 1:

Average throughput: 129.79 Mbit/s

95th percentile per-packet one-way delay: 1.153 ms

Loss rate: 0.06%

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Tue, 25 Jul 2017 02:36:17 +0000

End at: Tue, 25 Jul 2017 02:36:47 +0000

Local clock offset: 0.524 ms

Remote clock offset: -2.426 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:15:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.94 Mbit/s

95th percentile per-packet one-way delay: 1.199 ms

Loss rate: 0.06%

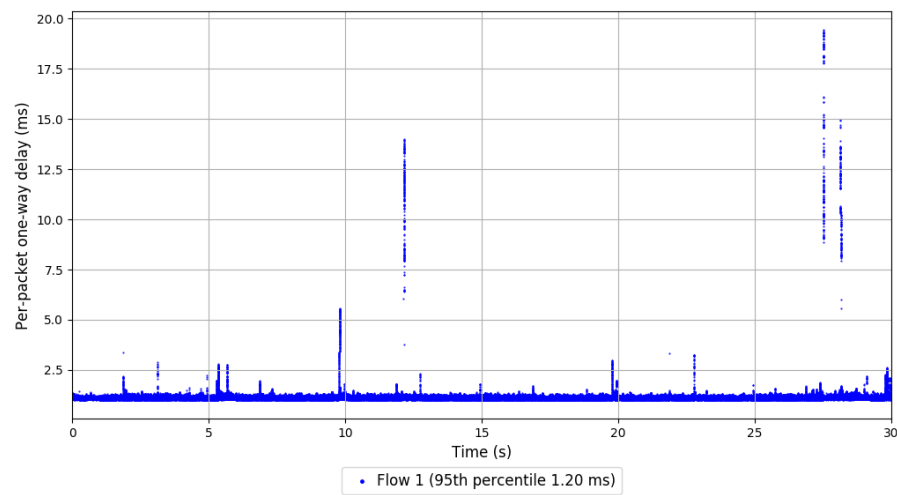
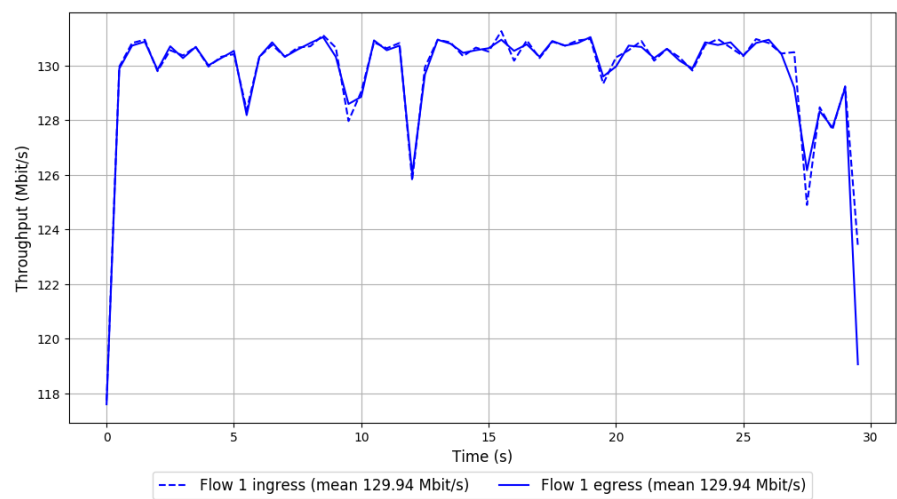
-- Flow 1:

Average throughput: 129.94 Mbit/s

95th percentile per-packet one-way delay: 1.199 ms

Loss rate: 0.06%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 23:23:48 +0000

End at: Mon, 24 Jul 2017 23:24:18 +0000

Local clock offset: 0.433 ms

Remote clock offset: -2.843 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:15:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.257 ms

Loss rate: 0.13%

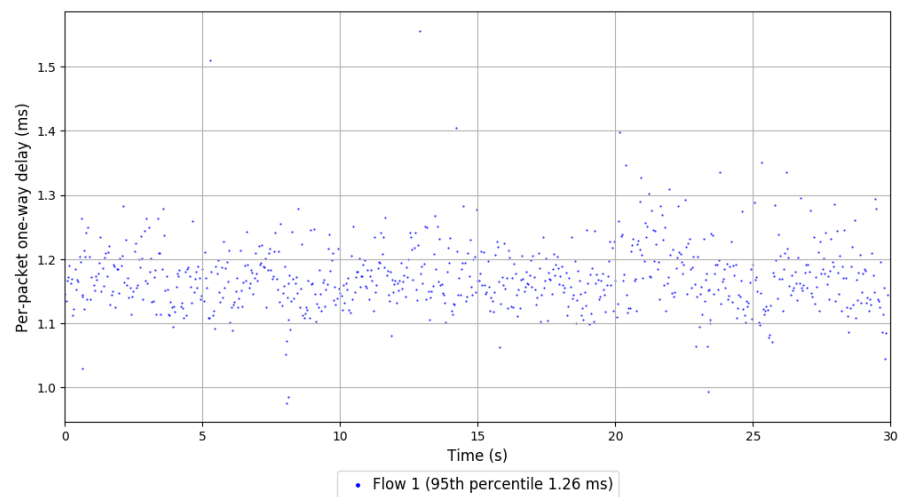
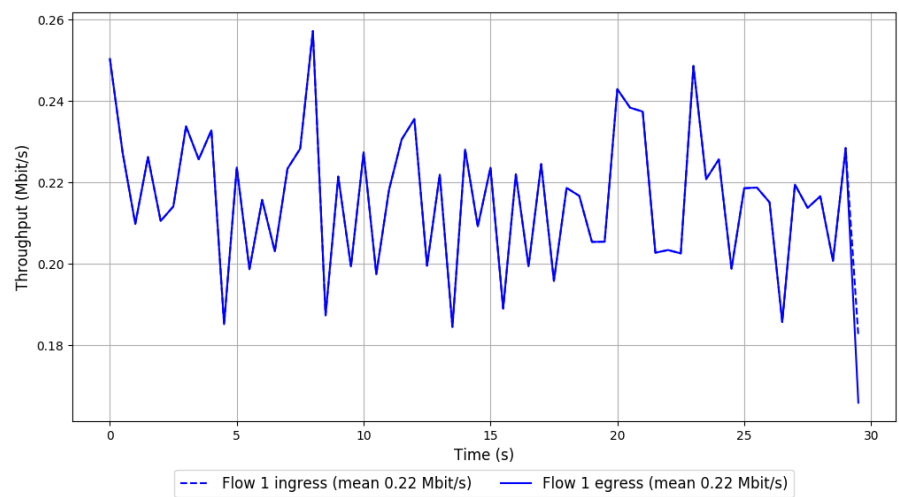
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.257 ms

Loss rate: 0.13%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Mon, 24 Jul 2017 23:44:40 +0000

End at: Mon, 24 Jul 2017 23:45:10 +0000

Local clock offset: 0.371 ms

Remote clock offset: -2.809 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:15:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.422 ms

Loss rate: 0.13%

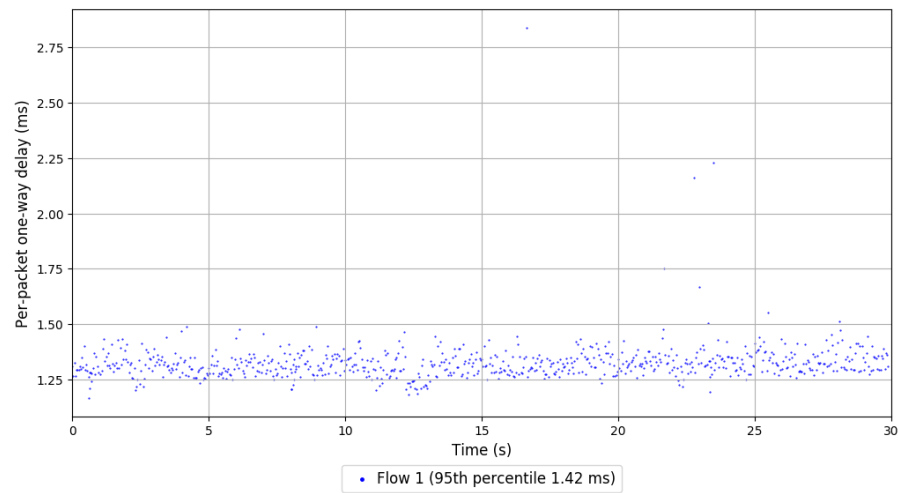
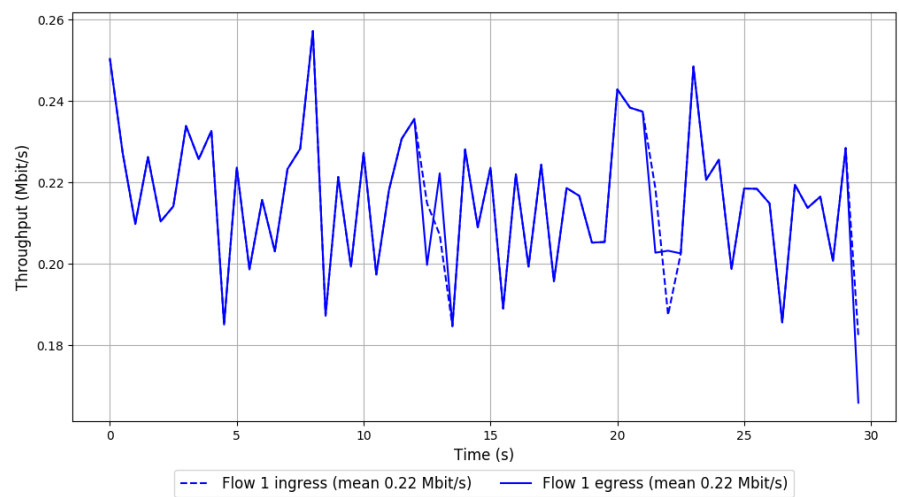
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.422 ms

Loss rate: 0.13%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Tue, 25 Jul 2017 00:05:21 +0000

End at: Tue, 25 Jul 2017 00:05:51 +0000

Local clock offset: 0.217 ms

Remote clock offset: -2.576 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:15:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.347 ms

Loss rate: 0.13%

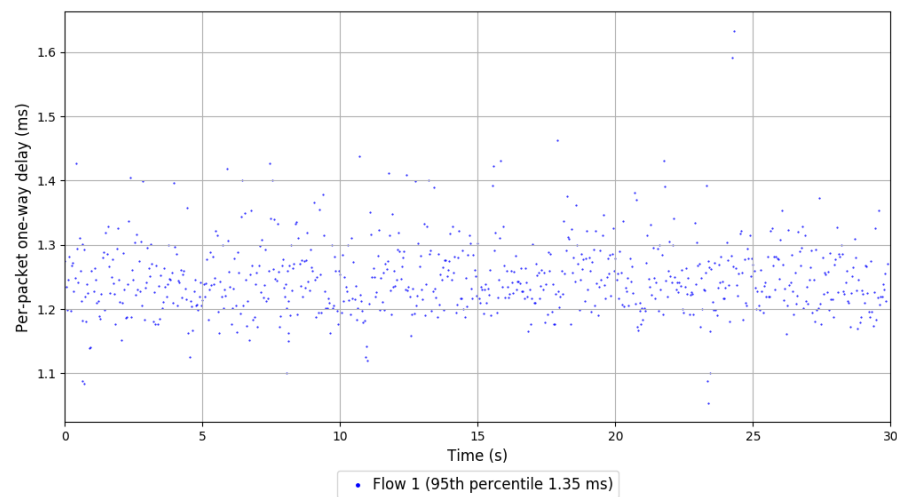
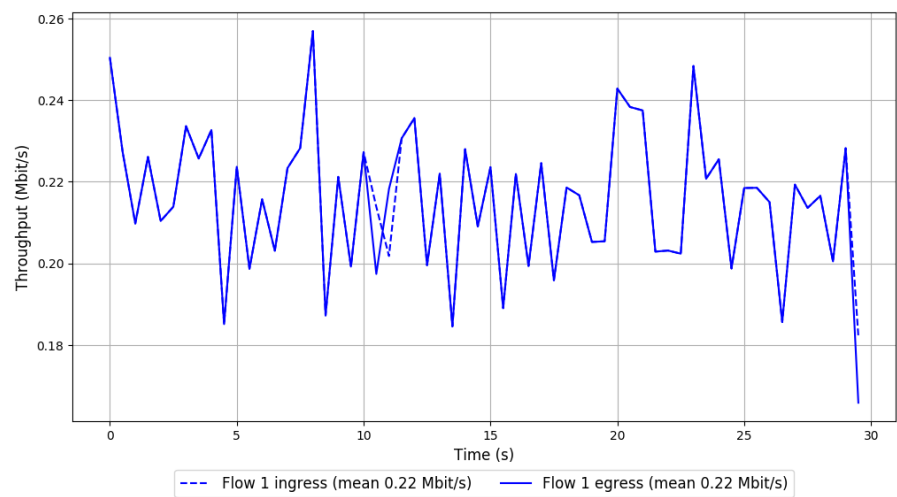
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.347 ms

Loss rate: 0.13%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

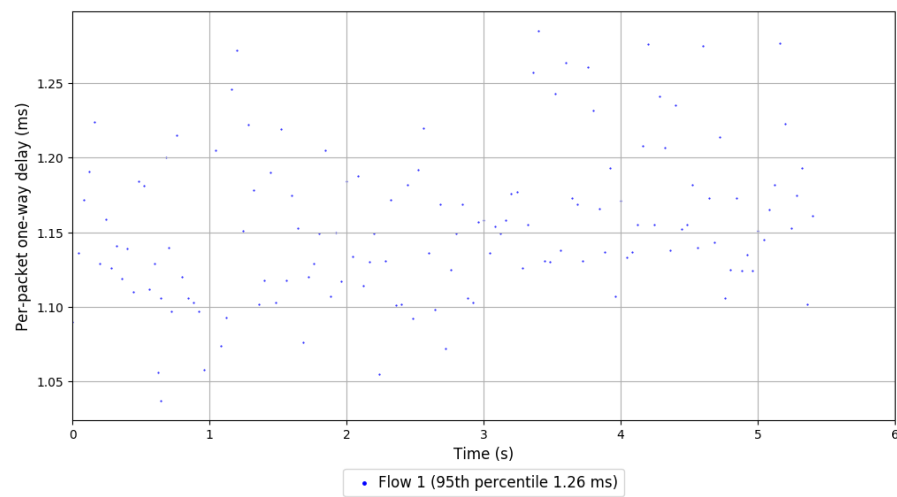
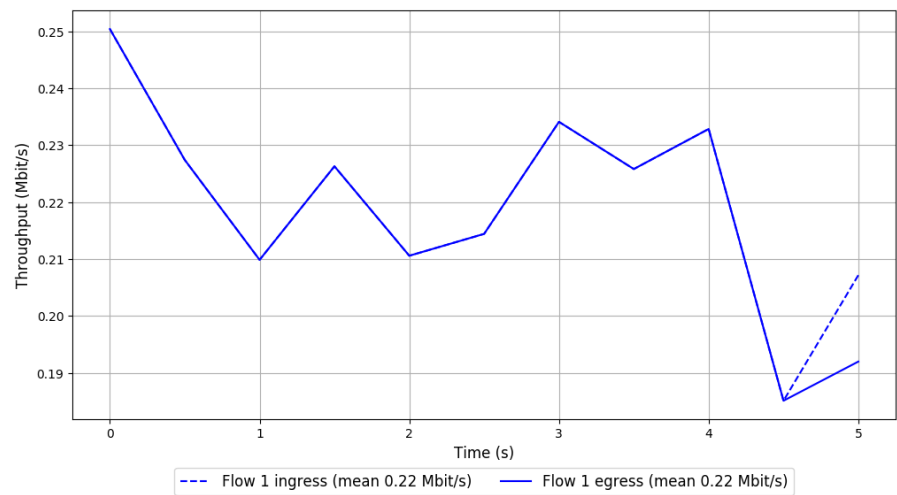
Start at: Tue, 25 Jul 2017 00:26:15 +0000

End at: Tue, 25 Jul 2017 00:26:45 +0000

Local clock offset: 0.25 ms

Remote clock offset: -2.368 ms

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Tue, 25 Jul 2017 00:47:03 +0000

End at: Tue, 25 Jul 2017 00:47:33 +0000

Local clock offset: 0.262 ms

Remote clock offset: -2.038 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:15:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.316 ms

Loss rate: 0.14%

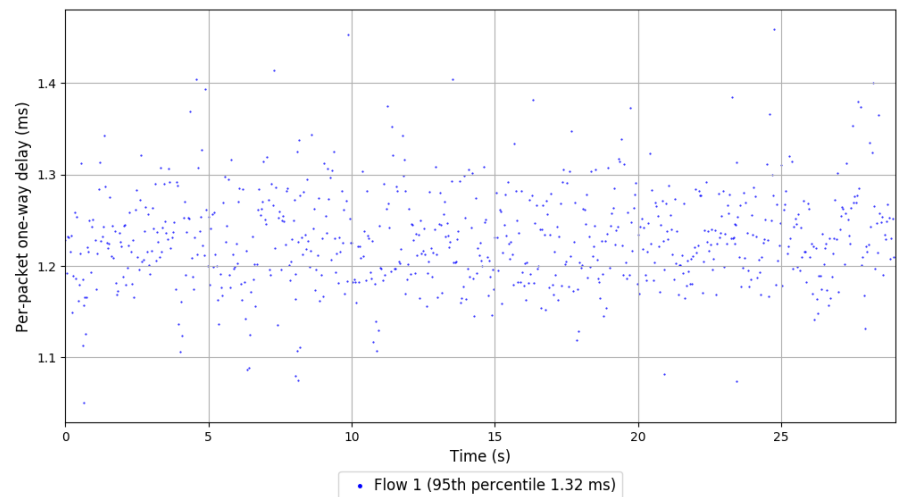
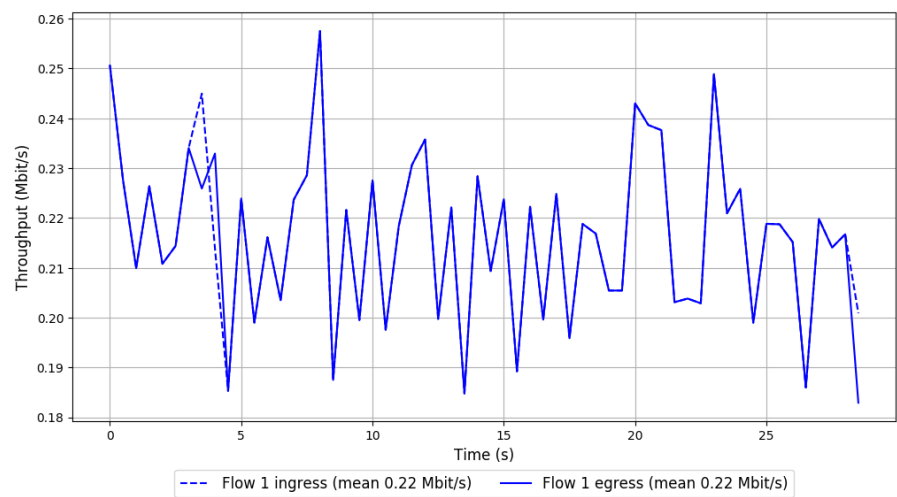
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.316 ms

Loss rate: 0.14%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

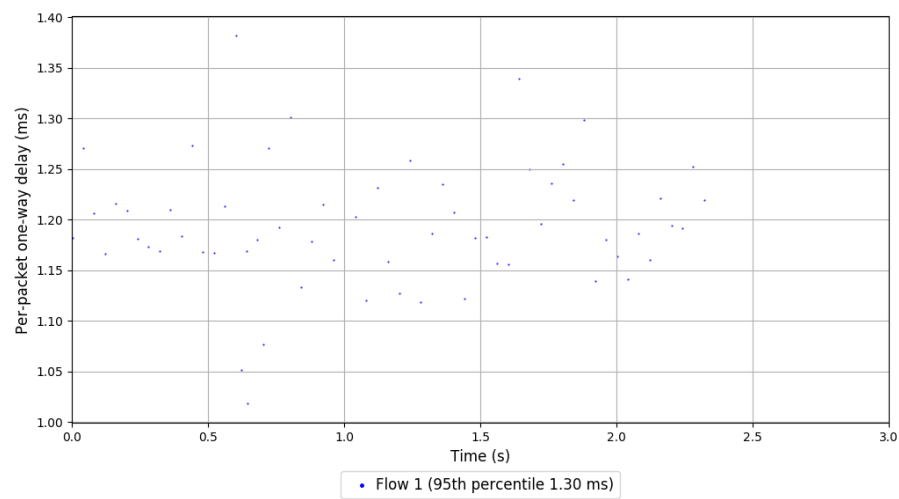
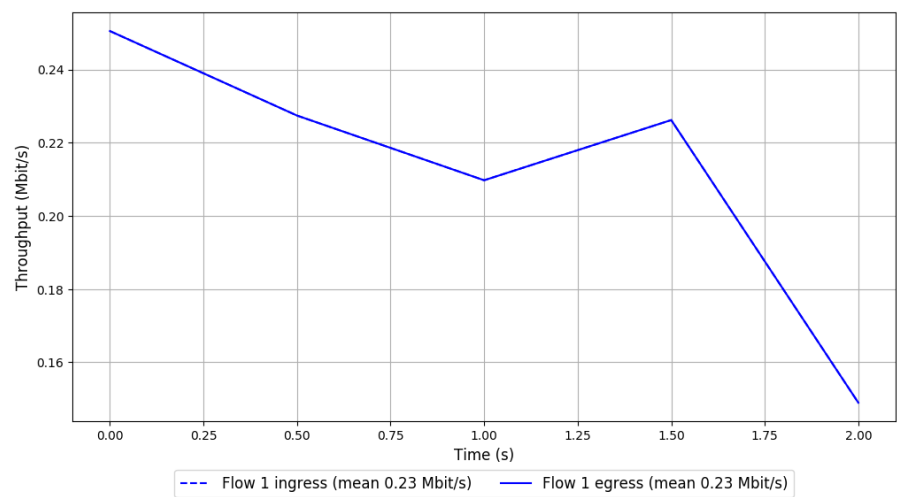
Start at: Tue, 25 Jul 2017 01:07:57 +0000

End at: Tue, 25 Jul 2017 01:08:27 +0000

Local clock offset: 0.182 ms

Remote clock offset: -1.849 ms

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

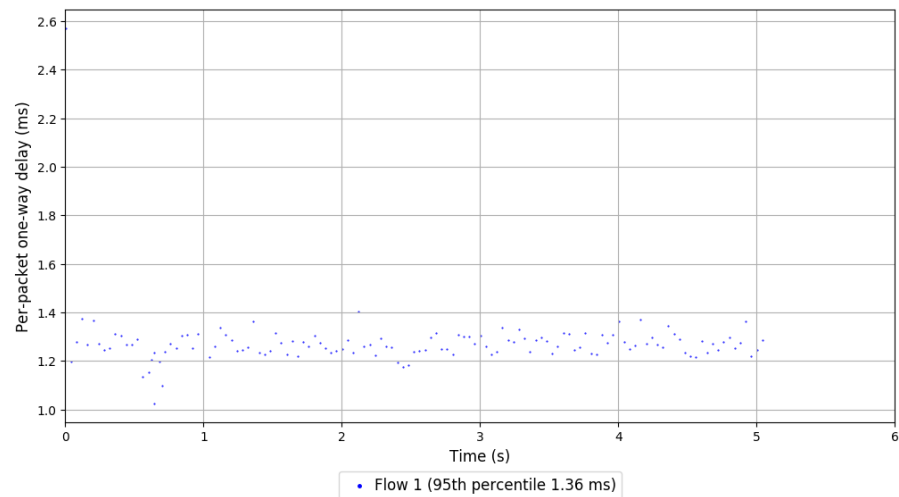
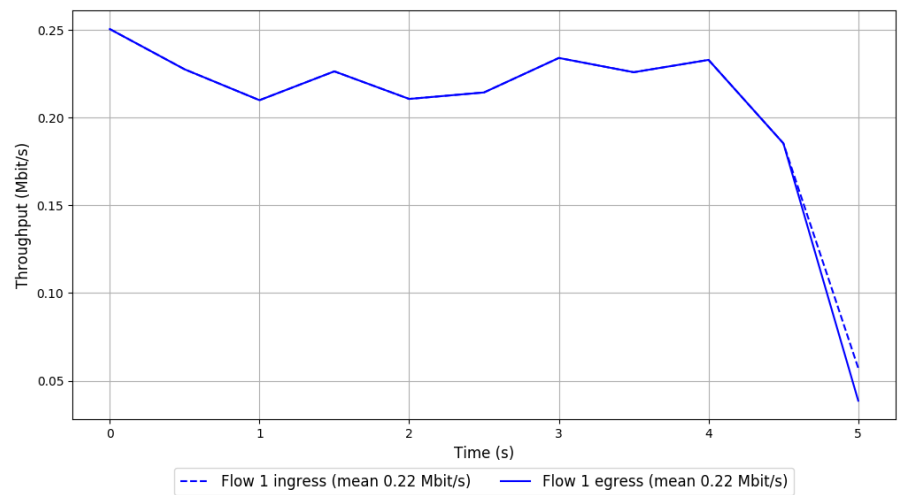
Start at: Tue, 25 Jul 2017 01:28:36 +0000

End at: Tue, 25 Jul 2017 01:29:06 +0000

Local clock offset: 0.379 ms

Remote clock offset: -1.611 ms

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

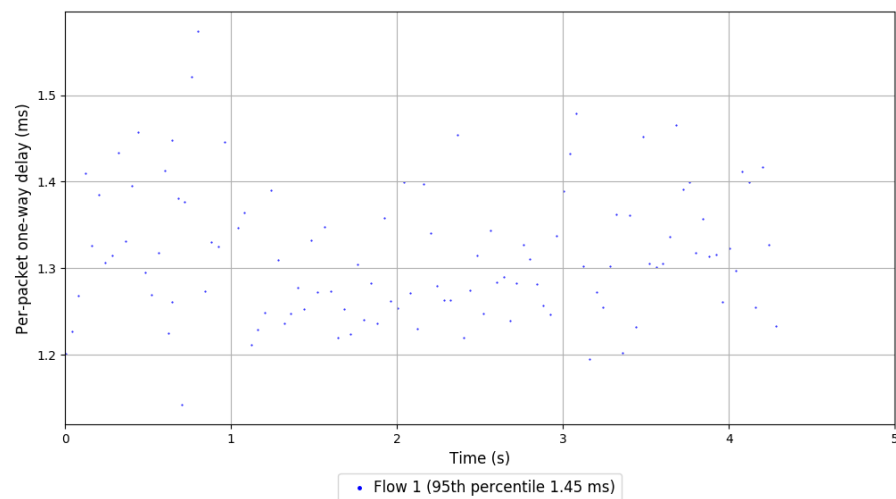
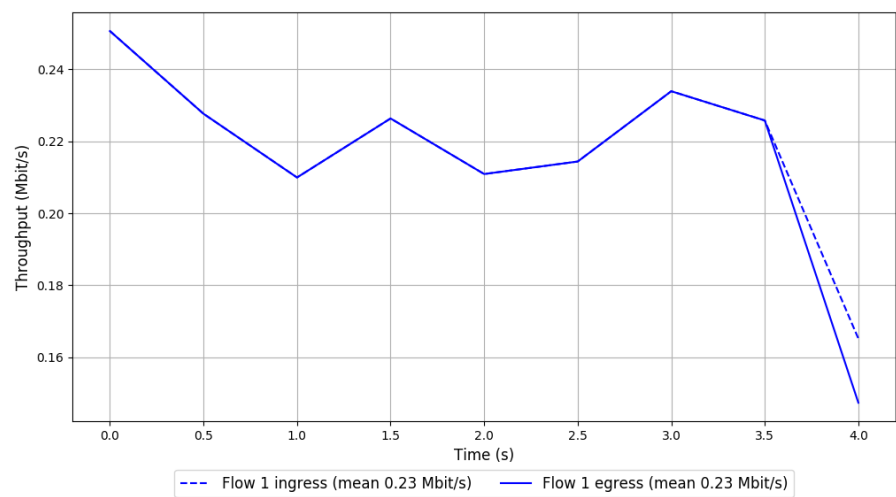
Start at: Tue, 25 Jul 2017 01:49:19 +0000

End at: Tue, 25 Jul 2017 01:49:49 +0000

Local clock offset: 0.246 ms

Remote clock offset: -1.853 ms

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Tue, 25 Jul 2017 02:10:17 +0000

End at: Tue, 25 Jul 2017 02:10:47 +0000

Local clock offset: 0.385 ms

Remote clock offset: -2.223 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:15:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.336 ms

Loss rate: 0.13%

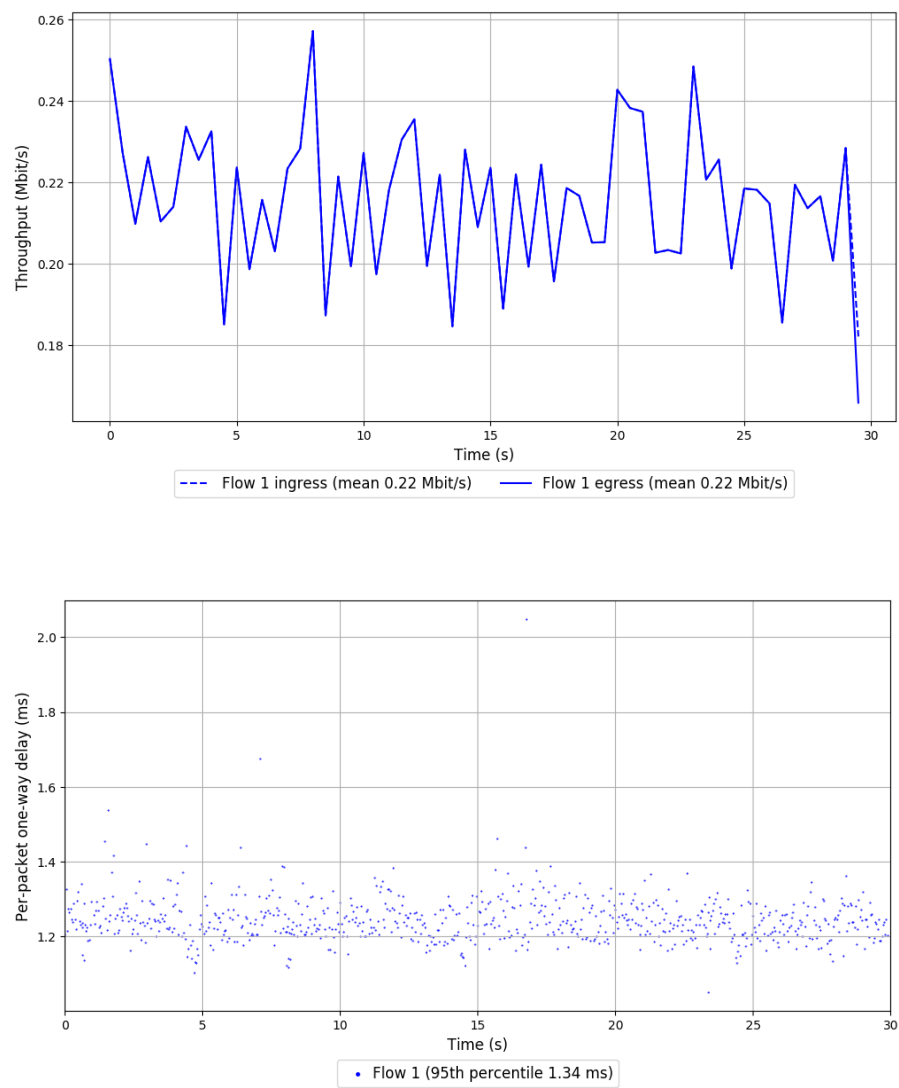
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.336 ms

Loss rate: 0.13%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: Tue, 25 Jul 2017 02:31:09 +0000

End at: Tue, 25 Jul 2017 02:31:39 +0000

Local clock offset: 0.422 ms

Remote clock offset: -2.426 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:15:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.259 ms

Loss rate: 0.00%

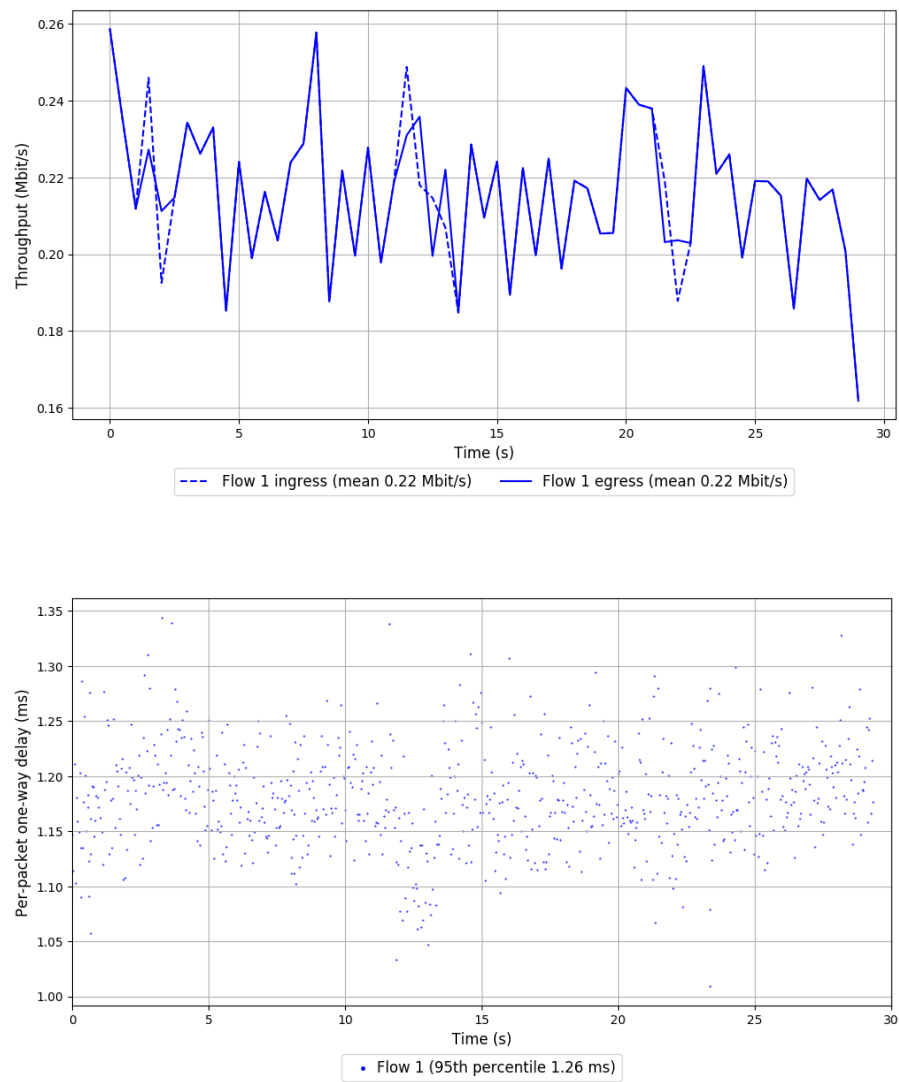
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 1.259 ms

Loss rate: 0.00%

Run 10: Report of SCReAM — Data Link



Run 1: Statistics of Sprout

Start at: Mon, 24 Jul 2017 23:36:11 +0000

End at: Mon, 24 Jul 2017 23:36:41 +0000

Local clock offset: 0.389 ms

Remote clock offset: -2.76 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:15:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.90 Mbit/s

95th percentile per-packet one-way delay: 1.178 ms

Loss rate: 0.00%

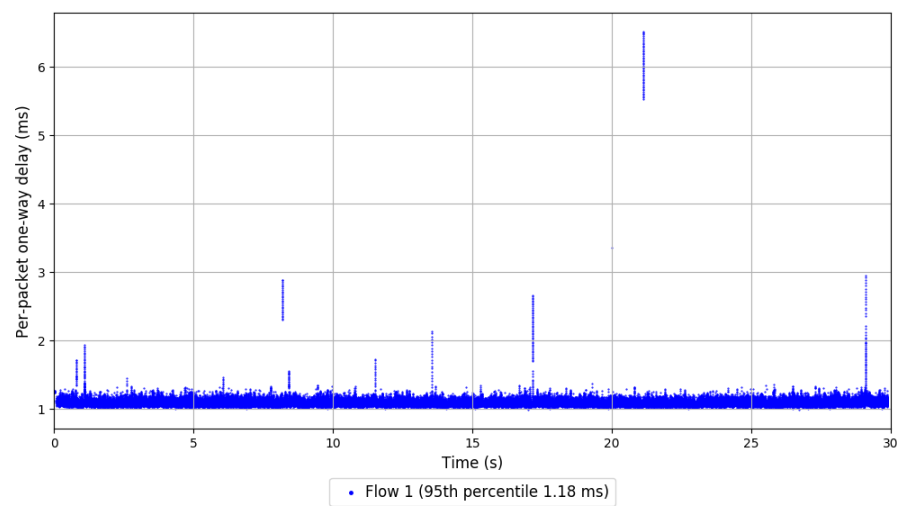
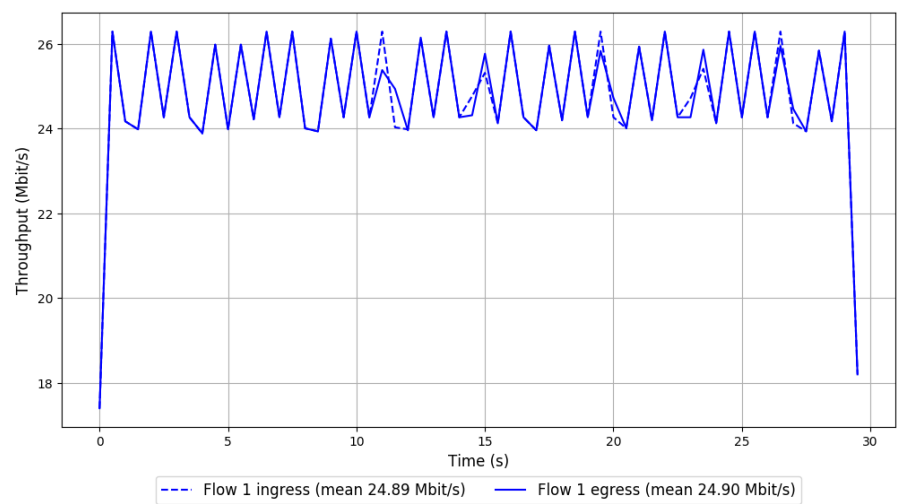
-- Flow 1:

Average throughput: 24.90 Mbit/s

95th percentile per-packet one-way delay: 1.178 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Mon, 24 Jul 2017 23:57:01 +0000

End at: Mon, 24 Jul 2017 23:57:31 +0000

Local clock offset: 0.3 ms

Remote clock offset: -2.615 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:15:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.25 Mbit/s

95th percentile per-packet one-way delay: 1.238 ms

Loss rate: 0.06%

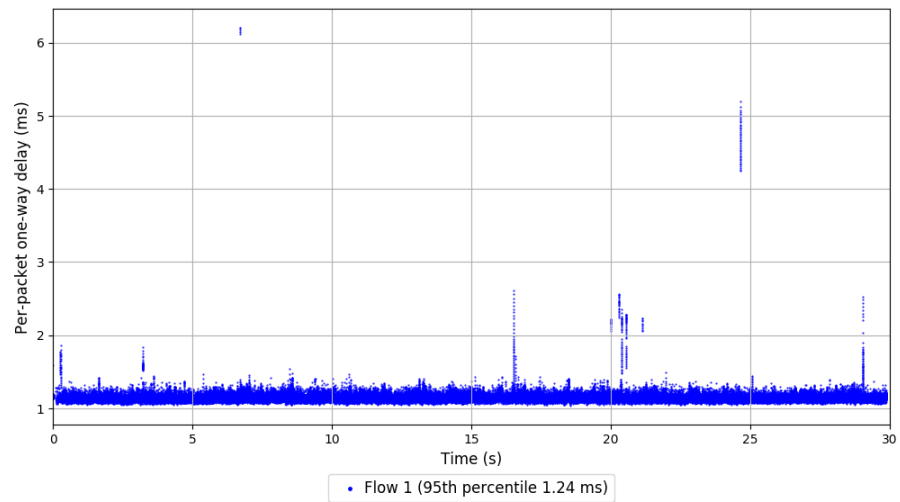
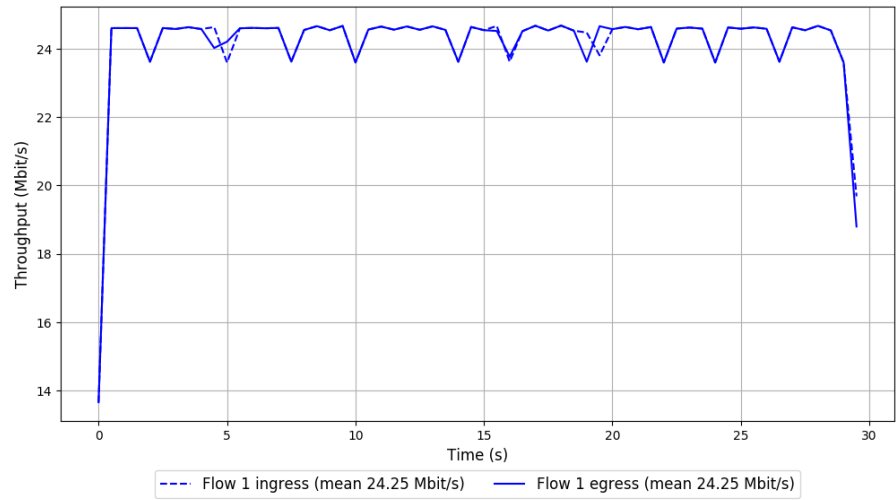
-- Flow 1:

Average throughput: 24.25 Mbit/s

95th percentile per-packet one-way delay: 1.238 ms

Loss rate: 0.06%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Tue, 25 Jul 2017 00:17:48 +0000

End at: Tue, 25 Jul 2017 00:18:18 +0000

Local clock offset: 0.083 ms

Remote clock offset: -2.591 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:15:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.88 Mbit/s

95th percentile per-packet one-way delay: 1.171 ms

Loss rate: 0.00%

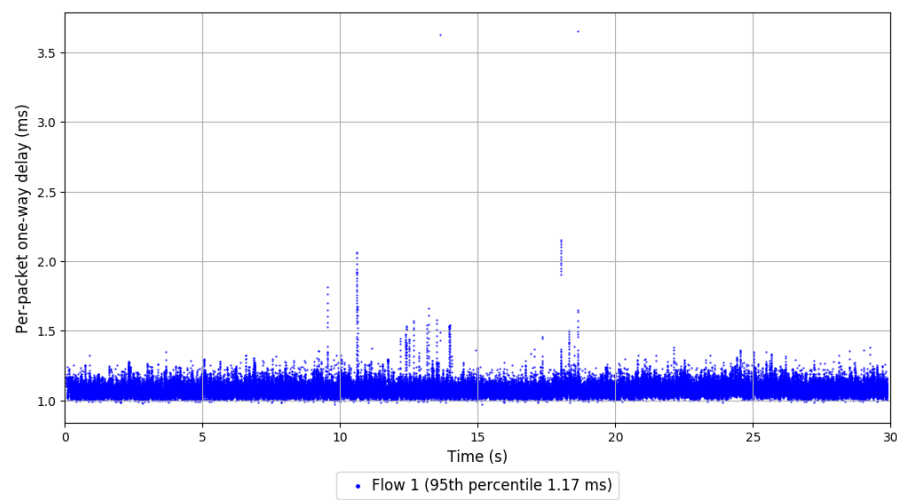
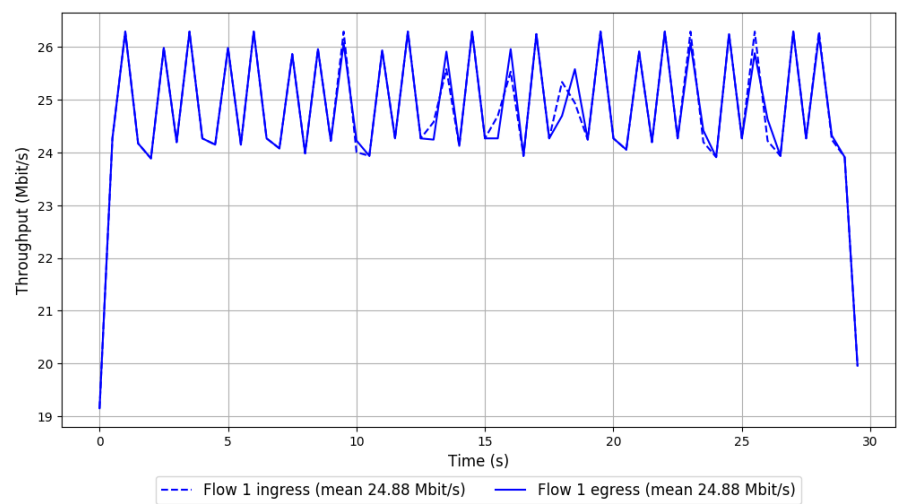
-- Flow 1:

Average throughput: 24.88 Mbit/s

95th percentile per-packet one-way delay: 1.171 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

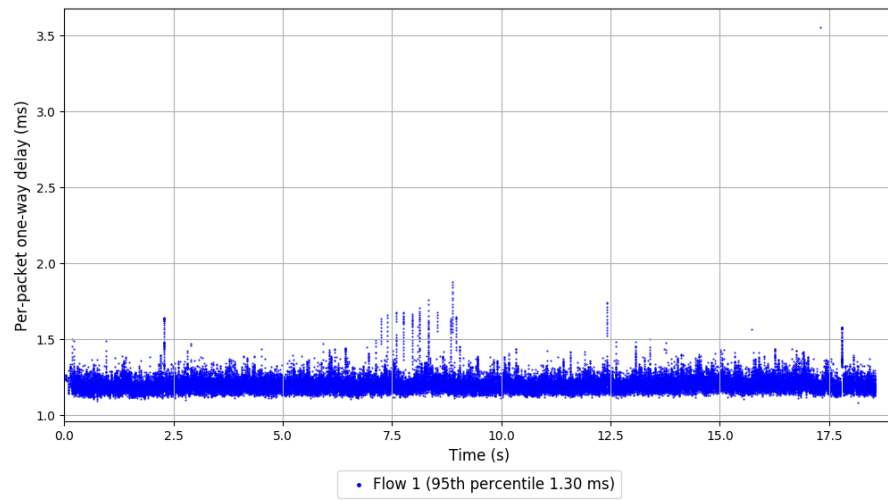
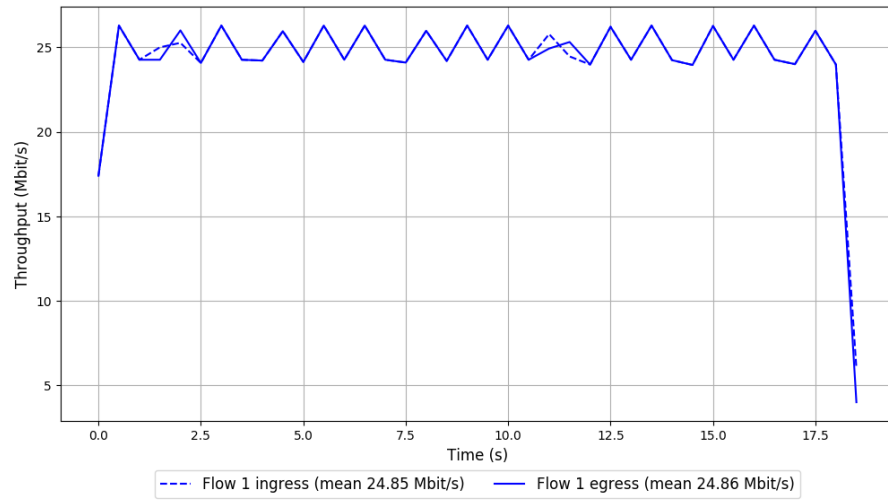
Start at: Tue, 25 Jul 2017 00:38:42 +0000

End at: Tue, 25 Jul 2017 00:39:12 +0000

Local clock offset: 0.339 ms

Remote clock offset: -2.321 ms

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

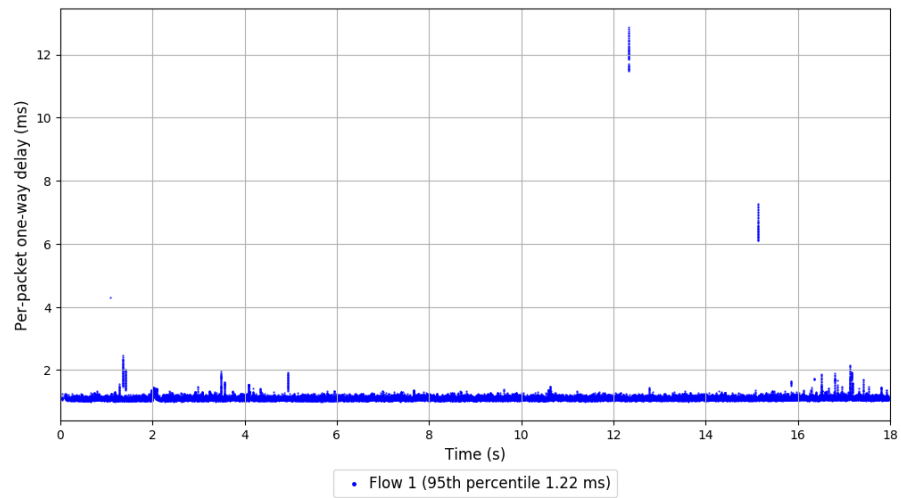
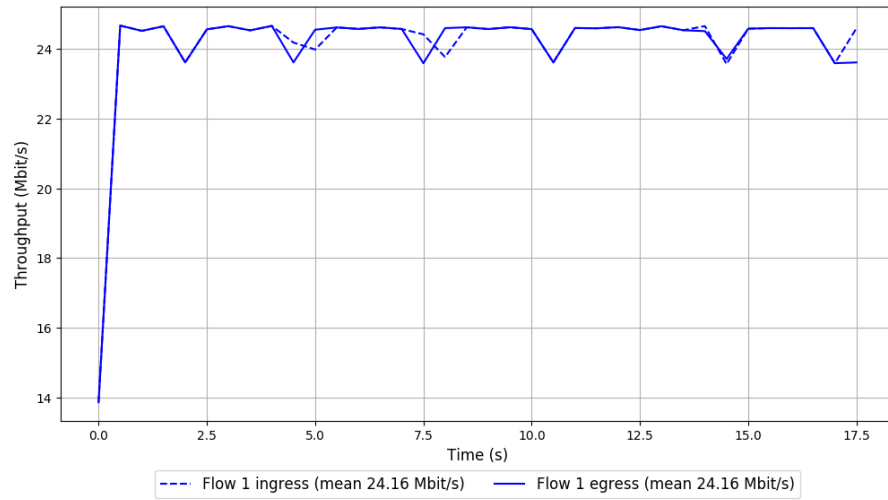
Start at: Tue, 25 Jul 2017 00:59:32 +0000

End at: Tue, 25 Jul 2017 01:00:02 +0000

Local clock offset: 0.131 ms

Remote clock offset: -1.872 ms

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

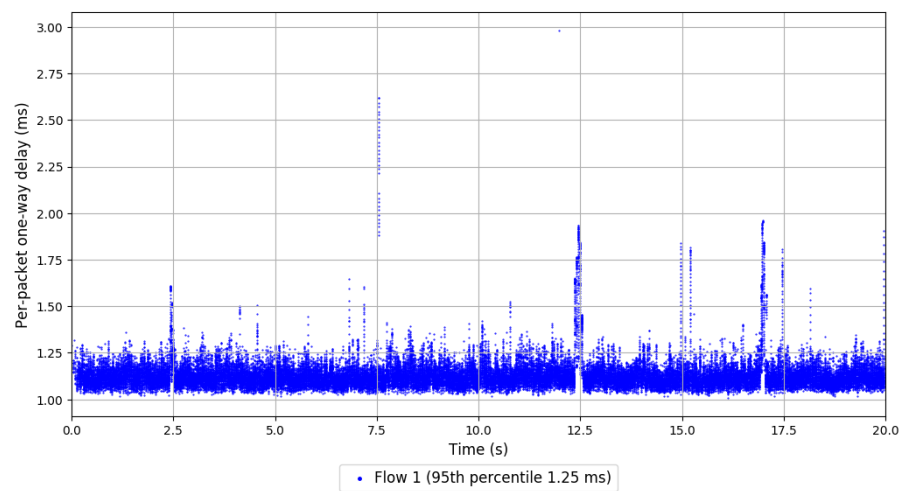
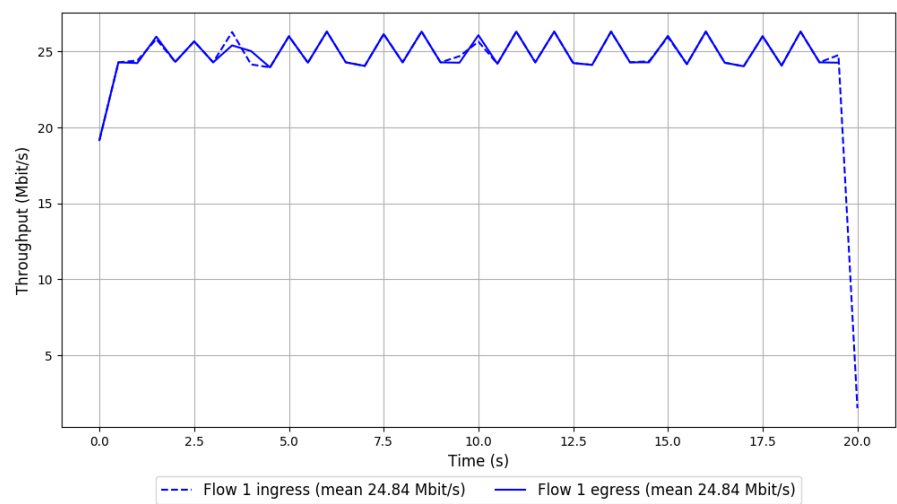
Start at: Tue, 25 Jul 2017 01:20:19 +0000

End at: Tue, 25 Jul 2017 01:20:49 +0000

Local clock offset: 0.395 ms

Remote clock offset: -1.712 ms

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Tue, 25 Jul 2017 01:41:07 +0000

End at: Tue, 25 Jul 2017 01:41:37 +0000

Local clock offset: 0.176 ms

Remote clock offset: -1.612 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:16:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.88 Mbit/s

95th percentile per-packet one-way delay: 1.187 ms

Loss rate: 0.00%

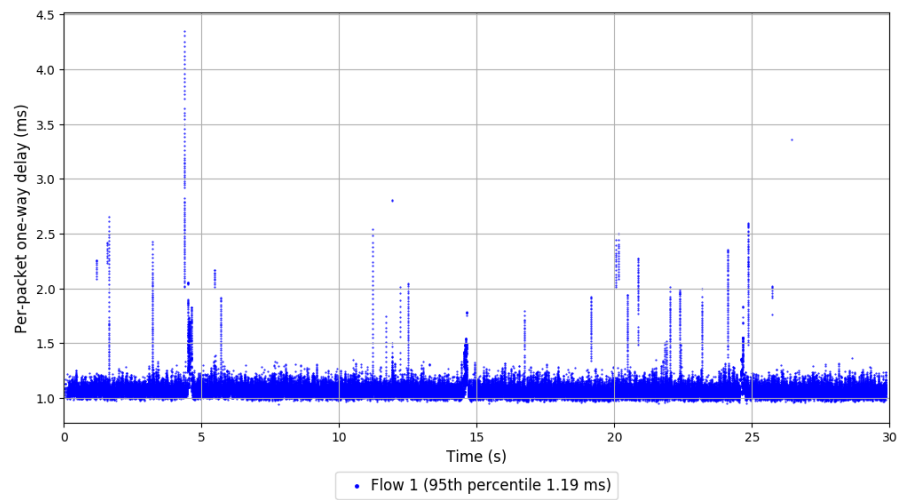
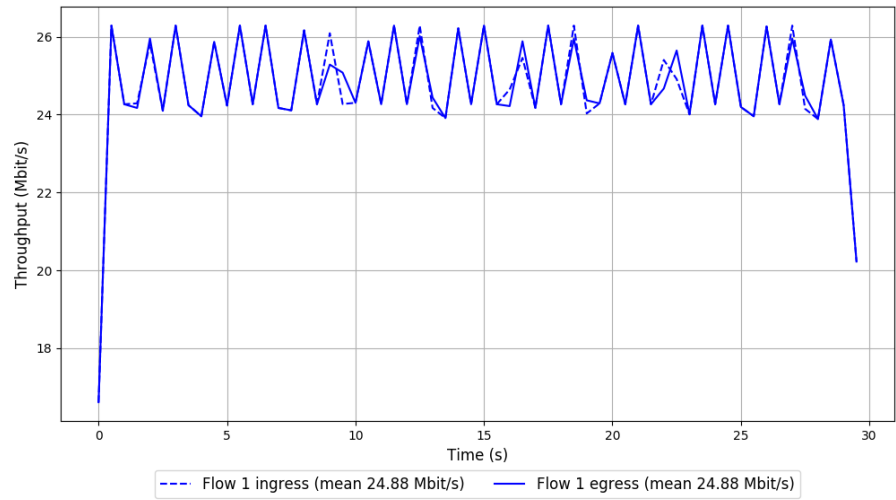
-- Flow 1:

Average throughput: 24.88 Mbit/s

95th percentile per-packet one-way delay: 1.187 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Tue, 25 Jul 2017 02:01:52 +0000

End at: Tue, 25 Jul 2017 02:02:22 +0000

Local clock offset: 0.208 ms

Remote clock offset: -2.155 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:16:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.77 Mbit/s

95th percentile per-packet one-way delay: 1.096 ms

Loss rate: 0.00%

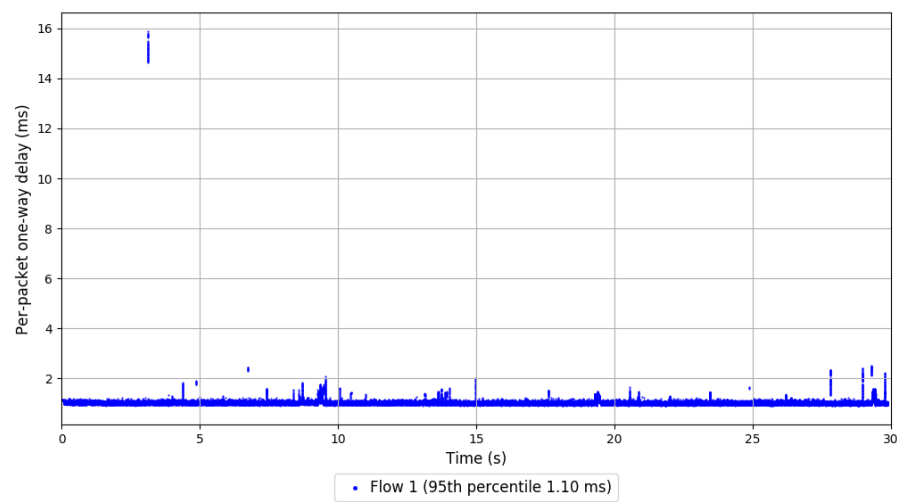
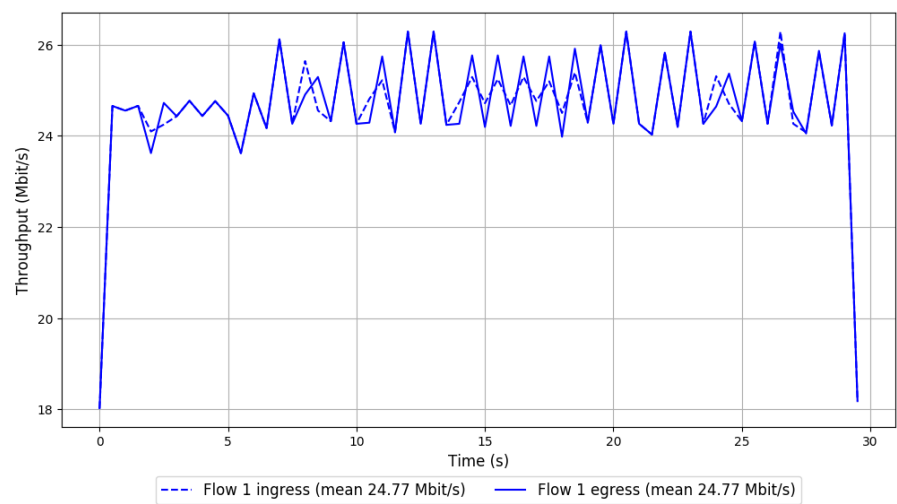
-- Flow 1:

Average throughput: 24.77 Mbit/s

95th percentile per-packet one-way delay: 1.096 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Tue, 25 Jul 2017 02:22:48 +0000

End at: Tue, 25 Jul 2017 02:23:18 +0000

Local clock offset: 0.473 ms

Remote clock offset: -2.422 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:16:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.28 Mbit/s

95th percentile per-packet one-way delay: 1.264 ms

Loss rate: 0.08%

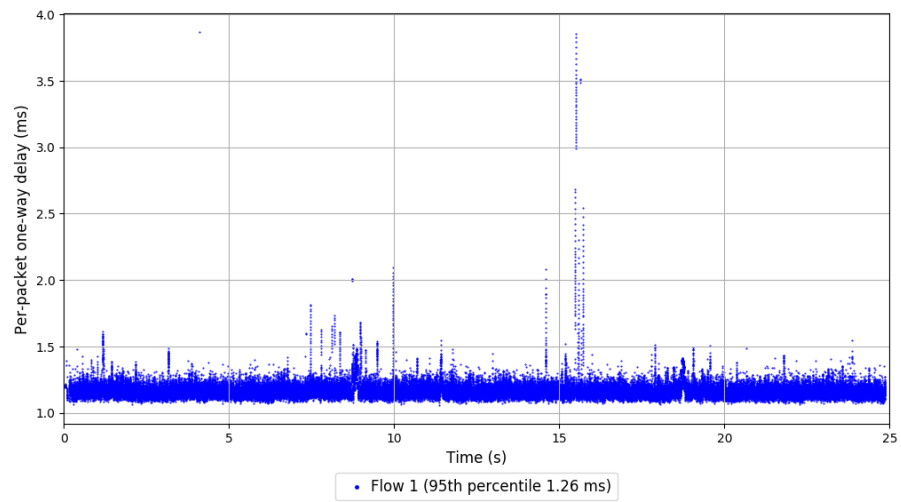
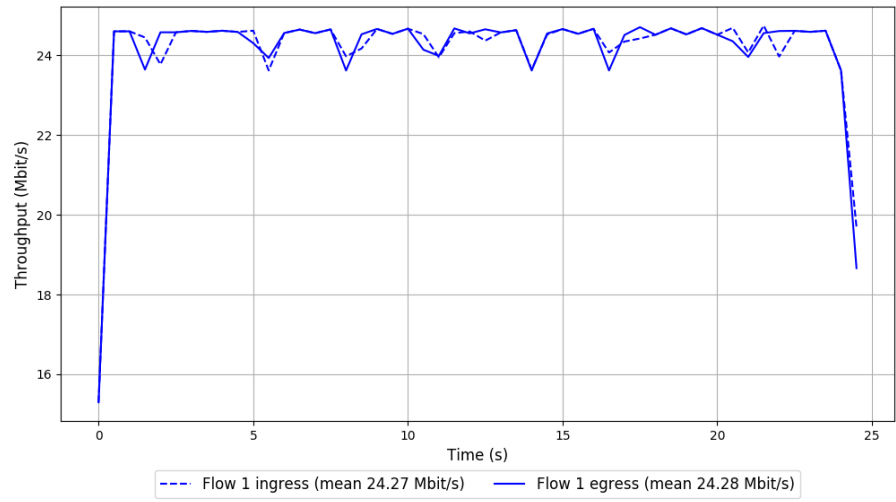
-- Flow 1:

Average throughput: 24.28 Mbit/s

95th percentile per-packet one-way delay: 1.264 ms

Loss rate: 0.08%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Tue, 25 Jul 2017 02:43:55 +0000

End at: Tue, 25 Jul 2017 02:44:25 +0000

Local clock offset: 0.464 ms

Remote clock offset: -2.391 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:16:07 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.60 Mbit/s

95th percentile per-packet one-way delay: 1.097 ms

Loss rate: 0.00%

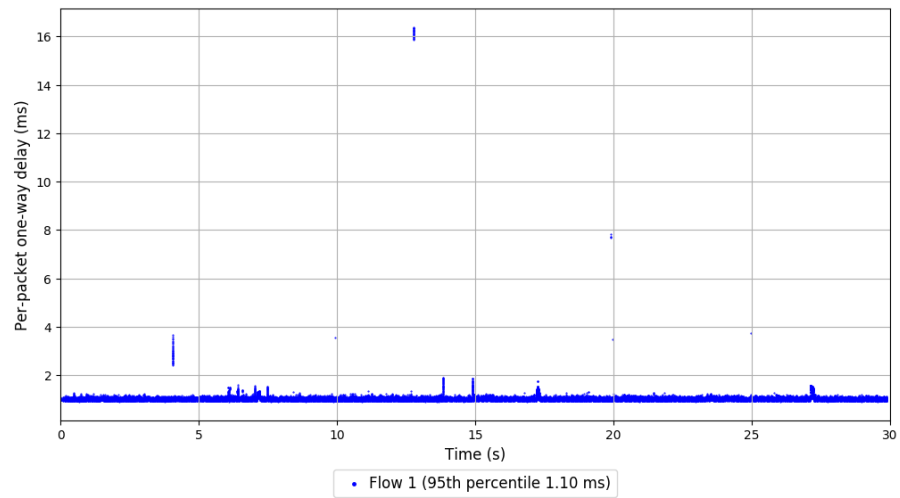
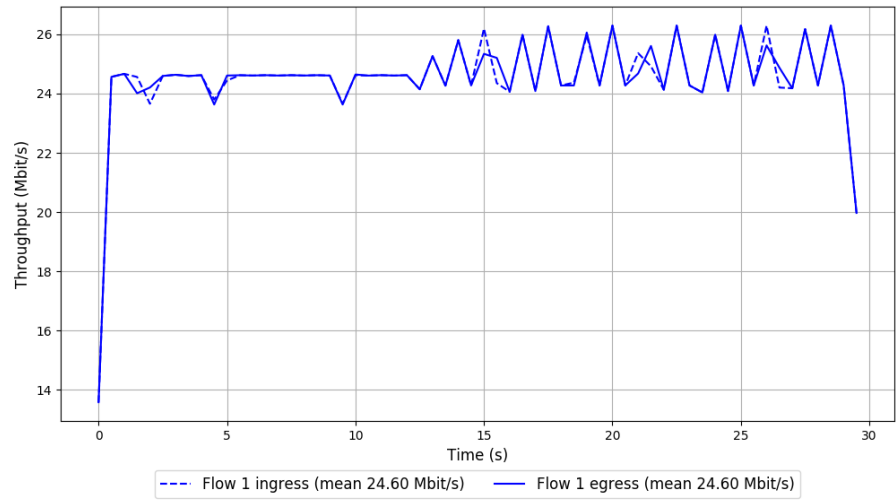
-- Flow 1:

Average throughput: 24.60 Mbit/s

95th percentile per-packet one-way delay: 1.097 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Mon, 24 Jul 2017 23:38:50 +0000

End at: Mon, 24 Jul 2017 23:39:20 +0000

Local clock offset: 0.272 ms

Remote clock offset: -2.848 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:17:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 254.03 Mbit/s

95th percentile per-packet one-way delay: 1.241 ms

Loss rate: 0.08%

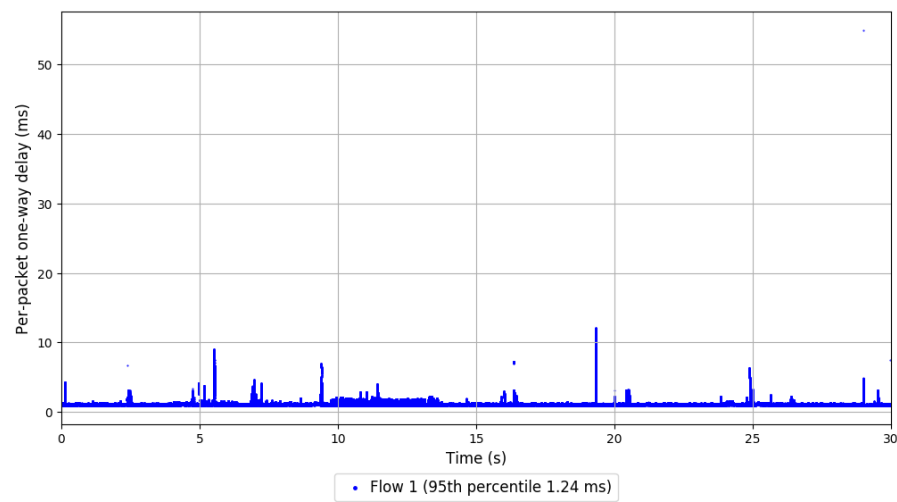
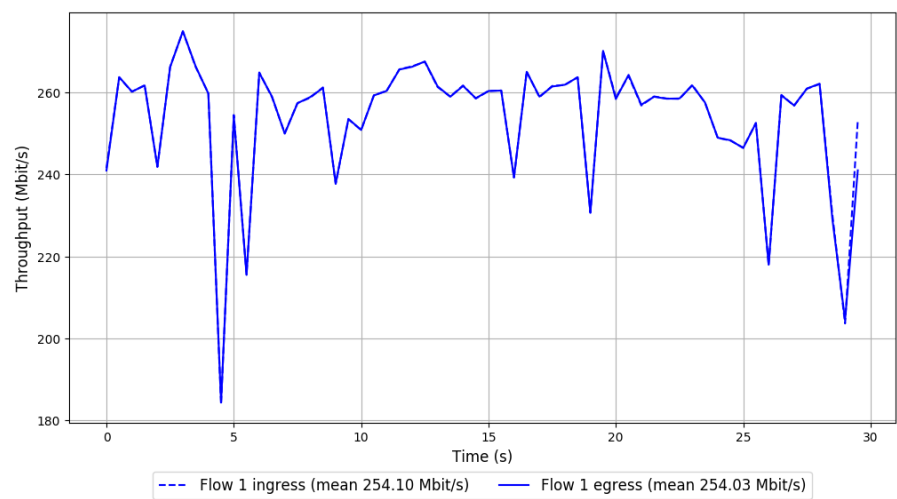
-- Flow 1:

Average throughput: 254.03 Mbit/s

95th percentile per-packet one-way delay: 1.241 ms

Loss rate: 0.08%

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



Run 2: Statistics of TaoVA-100x

Start at: Mon, 24 Jul 2017 23:59:39 +0000

End at: Tue, 25 Jul 2017 00:00:09 +0000

Local clock offset: 0.181 ms

Remote clock offset: -2.597 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:17:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 244.08 Mbit/s

95th percentile per-packet one-way delay: 1.241 ms

Loss rate: 0.07%

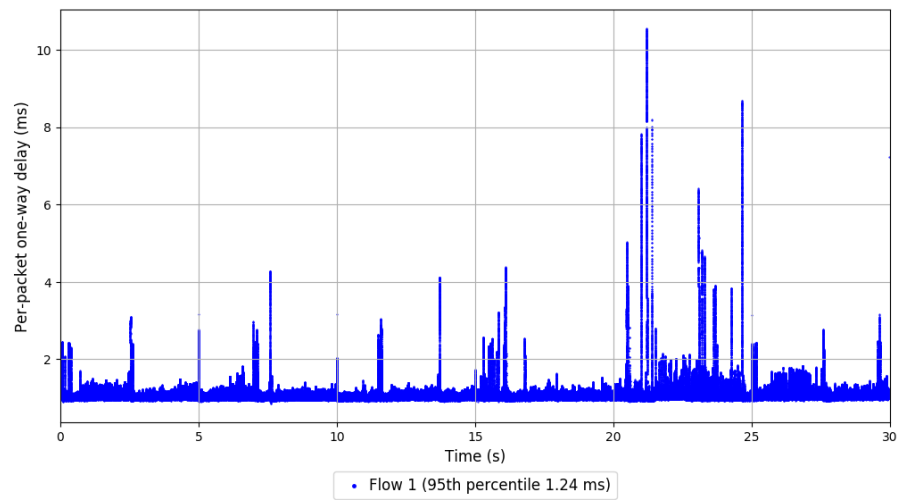
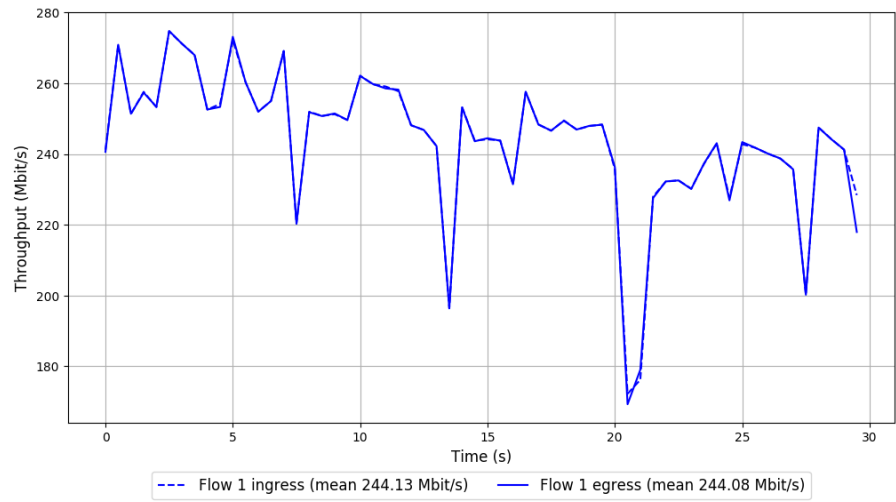
-- Flow 1:

Average throughput: 244.08 Mbit/s

95th percentile per-packet one-way delay: 1.241 ms

Loss rate: 0.07%

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



Run 3: Statistics of TaoVA-100x

Start at: Tue, 25 Jul 2017 00:20:27 +0000

End at: Tue, 25 Jul 2017 00:20:57 +0000

Local clock offset: 0.093 ms

Remote clock offset: -2.545 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:17:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.99 Mbit/s

95th percentile per-packet one-way delay: 1.207 ms

Loss rate: 0.07%

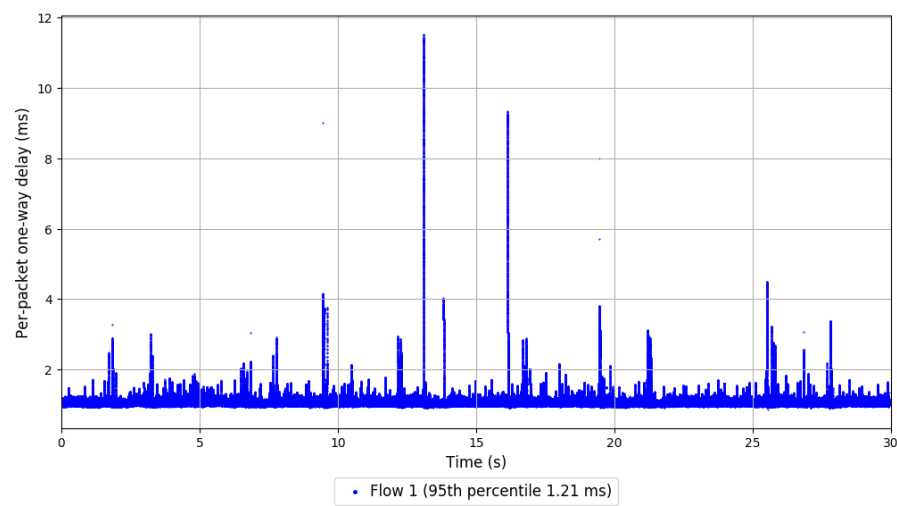
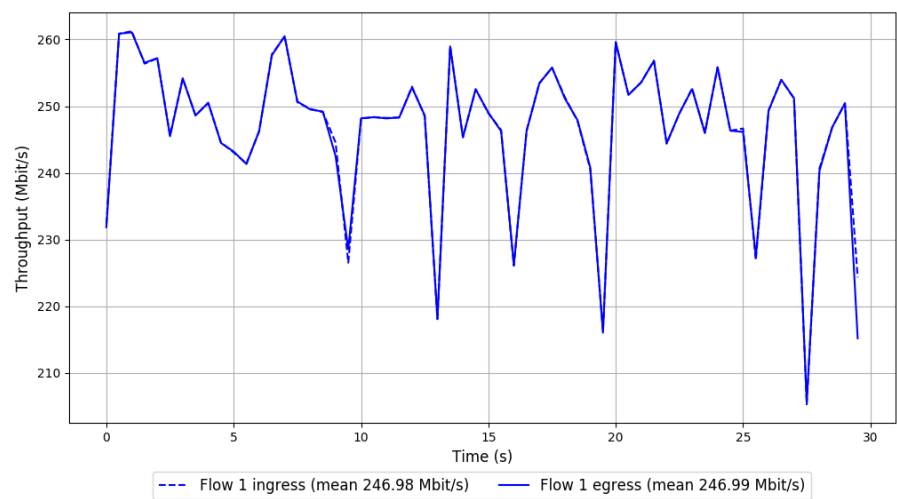
-- Flow 1:

Average throughput: 246.99 Mbit/s

95th percentile per-packet one-way delay: 1.207 ms

Loss rate: 0.07%

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



Run 4: Statistics of TaoVA-100x

Start at: Tue, 25 Jul 2017 00:41:20 +0000

End at: Tue, 25 Jul 2017 00:41:50 +0000

Local clock offset: 0.211 ms

Remote clock offset: -2.193 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:18:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 236.86 Mbit/s

95th percentile per-packet one-way delay: 1.199 ms

Loss rate: 0.08%

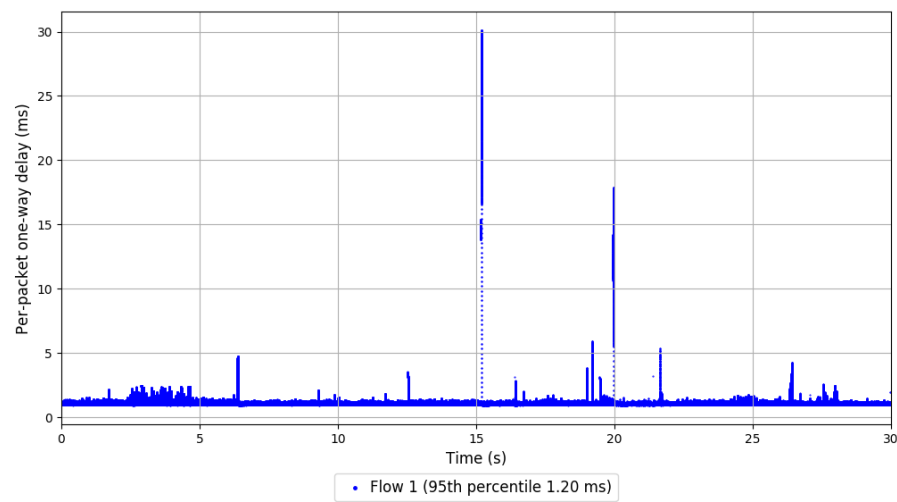
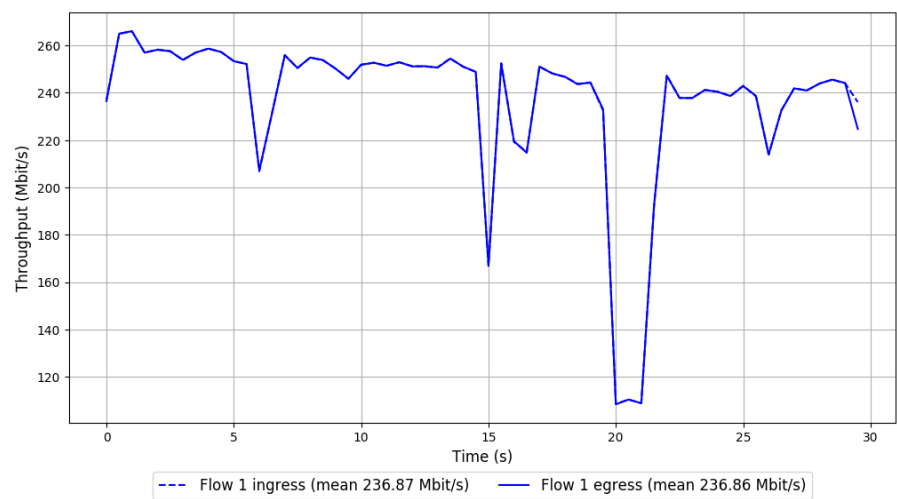
-- Flow 1:

Average throughput: 236.86 Mbit/s

95th percentile per-packet one-way delay: 1.199 ms

Loss rate: 0.08%

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



Run 5: Statistics of TaoVA-100x

Start at: Tue, 25 Jul 2017 01:02:13 +0000

End at: Tue, 25 Jul 2017 01:02:43 +0000

Local clock offset: 0.217 ms

Remote clock offset: -1.821 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:18:55 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 246.81 Mbit/s

95th percentile per-packet one-way delay: 1.327 ms

Loss rate: 0.08%

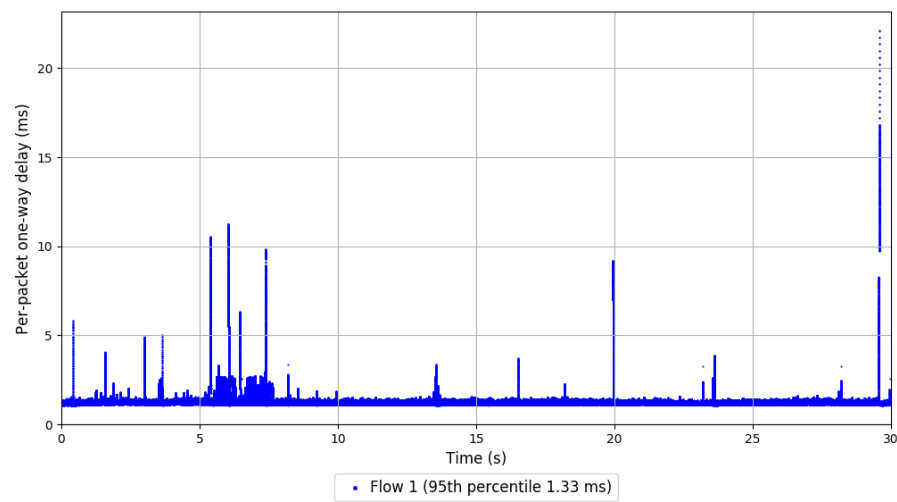
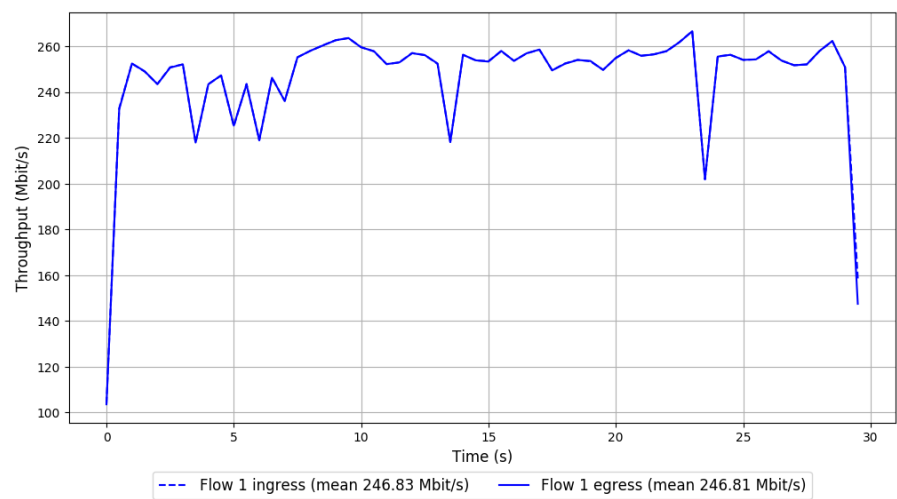
-- Flow 1:

Average throughput: 246.81 Mbit/s

95th percentile per-packet one-way delay: 1.327 ms

Loss rate: 0.08%

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



Run 6: Statistics of TaoVA-100x

Start at: Tue, 25 Jul 2017 01:22:56 +0000

End at: Tue, 25 Jul 2017 01:23:26 +0000

Local clock offset: 0.325 ms

Remote clock offset: -1.66 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:18:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 250.98 Mbit/s

95th percentile per-packet one-way delay: 1.225 ms

Loss rate: 0.07%

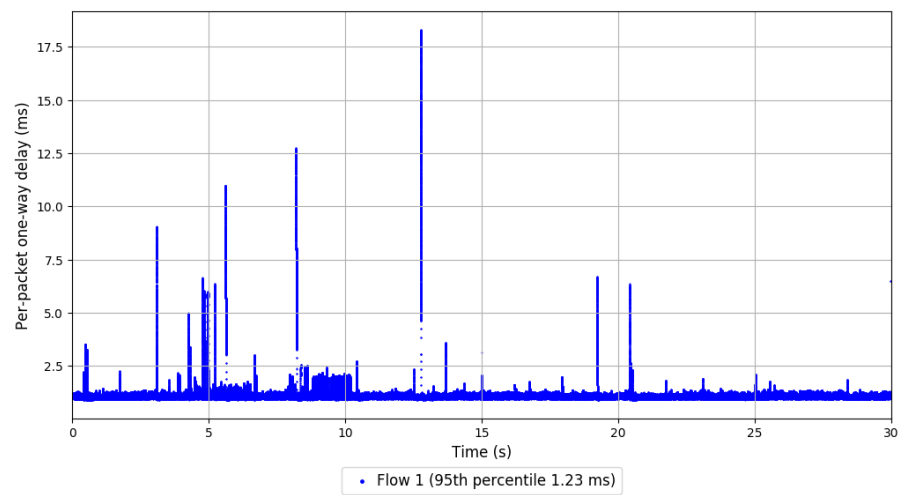
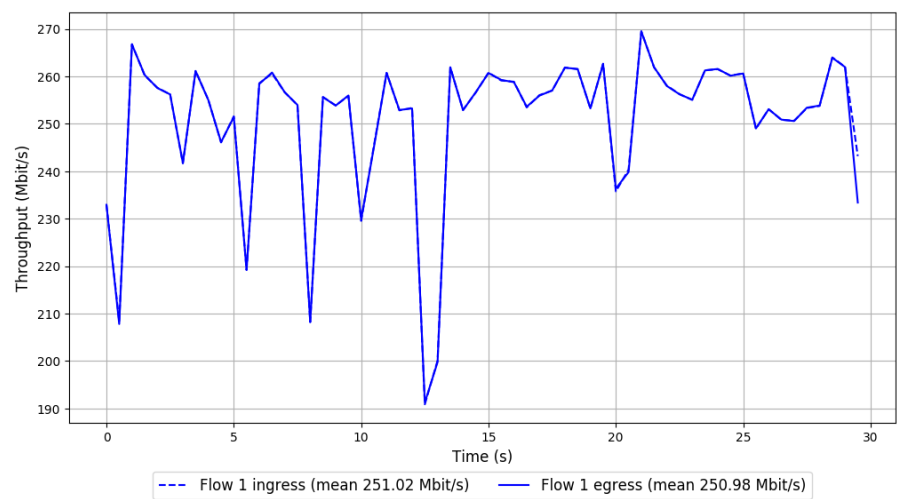
-- Flow 1:

Average throughput: 250.98 Mbit/s

95th percentile per-packet one-way delay: 1.225 ms

Loss rate: 0.07%

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



Run 7: Statistics of TaoVA-100x

Start at: Tue, 25 Jul 2017 01:43:44 +0000

End at: Tue, 25 Jul 2017 01:44:14 +0000

Local clock offset: 0.166 ms

Remote clock offset: -1.697 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:19:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 230.61 Mbit/s

95th percentile per-packet one-way delay: 1.248 ms

Loss rate: 0.07%

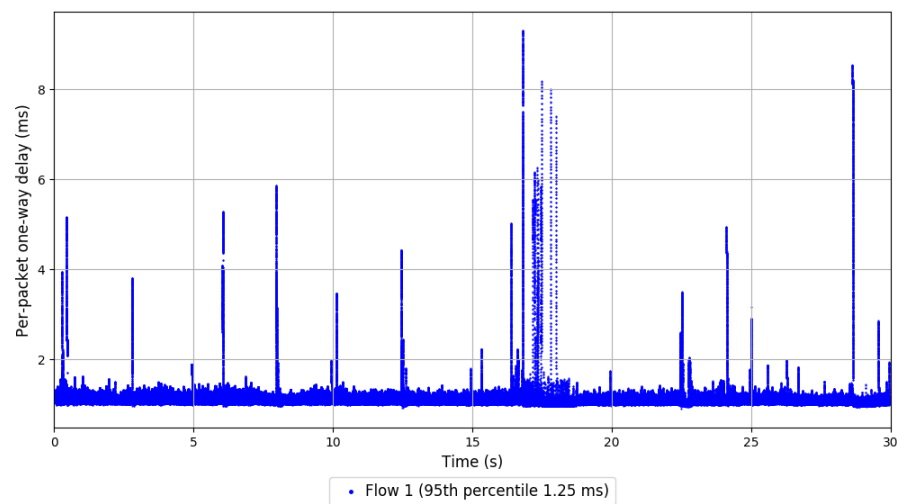
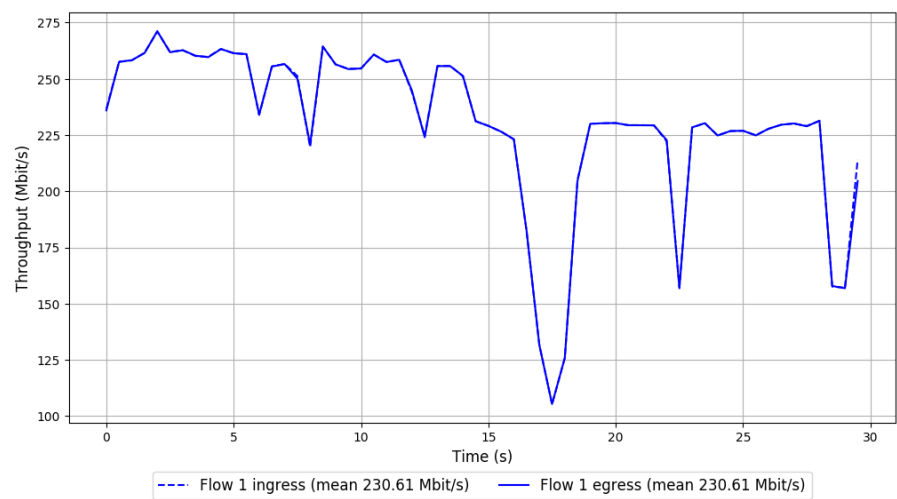
-- Flow 1:

Average throughput: 230.61 Mbit/s

95th percentile per-packet one-way delay: 1.248 ms

Loss rate: 0.07%

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



Run 8: Statistics of TaoVA-100x

Start at: Tue, 25 Jul 2017 02:04:32 +0000

End at: Tue, 25 Jul 2017 02:05:02 +0000

Local clock offset: 0.23 ms

Remote clock offset: -2.21 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:19:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 255.66 Mbit/s

95th percentile per-packet one-way delay: 1.209 ms

Loss rate: 0.06%

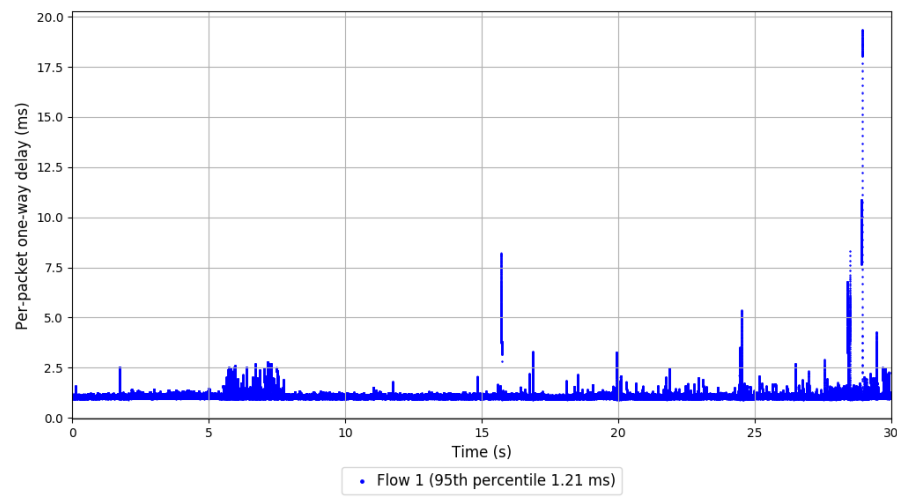
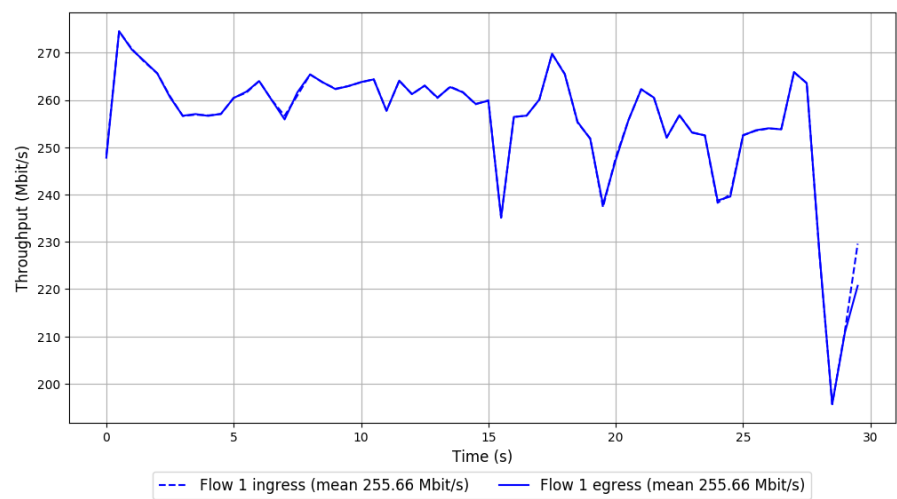
-- Flow 1:

Average throughput: 255.66 Mbit/s

95th percentile per-packet one-way delay: 1.209 ms

Loss rate: 0.06%

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



Run 9: Statistics of TaoVA-100x

Start at: Tue, 25 Jul 2017 02:25:27 +0000

End at: Tue, 25 Jul 2017 02:25:57 +0000

Local clock offset: 0.499 ms

Remote clock offset: -2.43 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:20:34 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 250.80 Mbit/s

95th percentile per-packet one-way delay: 1.375 ms

Loss rate: 0.09%

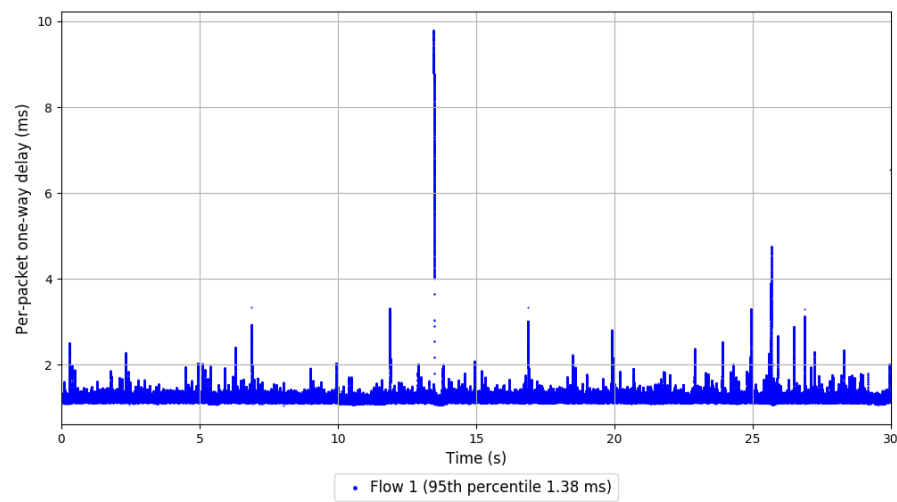
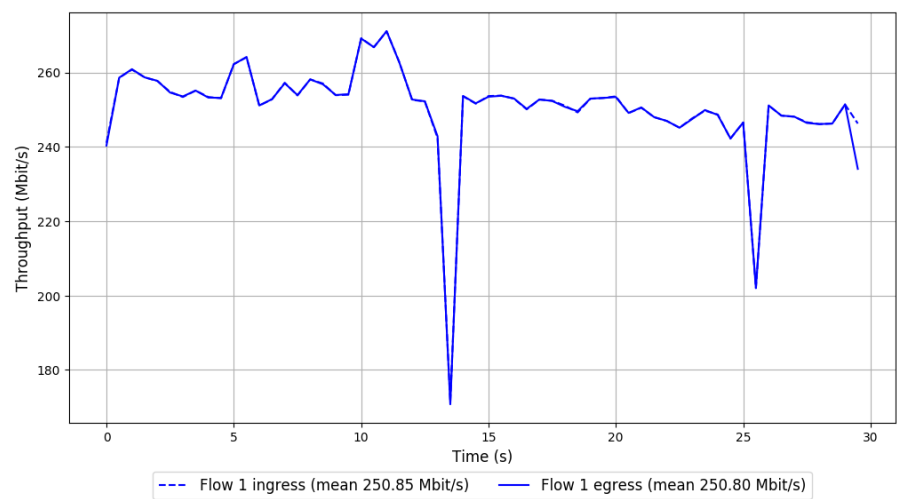
-- Flow 1:

Average throughput: 250.80 Mbit/s

95th percentile per-packet one-way delay: 1.375 ms

Loss rate: 0.09%

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



Run 10: Statistics of TaoVA-100x

Start at: Tue, 25 Jul 2017 02:46:32 +0000

End at: Tue, 25 Jul 2017 02:47:02 +0000

Local clock offset: 0.455 ms

Remote clock offset: -2.379 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:20:55 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 247.87 Mbit/s

95th percentile per-packet one-way delay: 1.087 ms

Loss rate: 0.08%

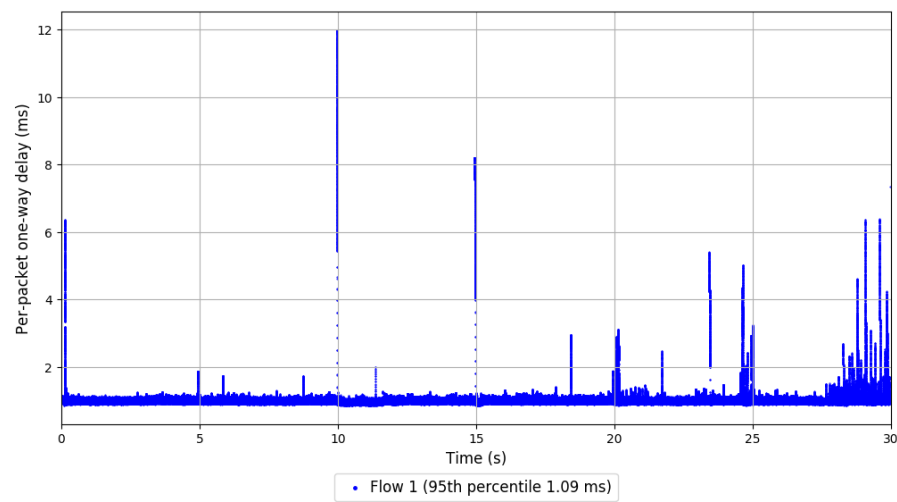
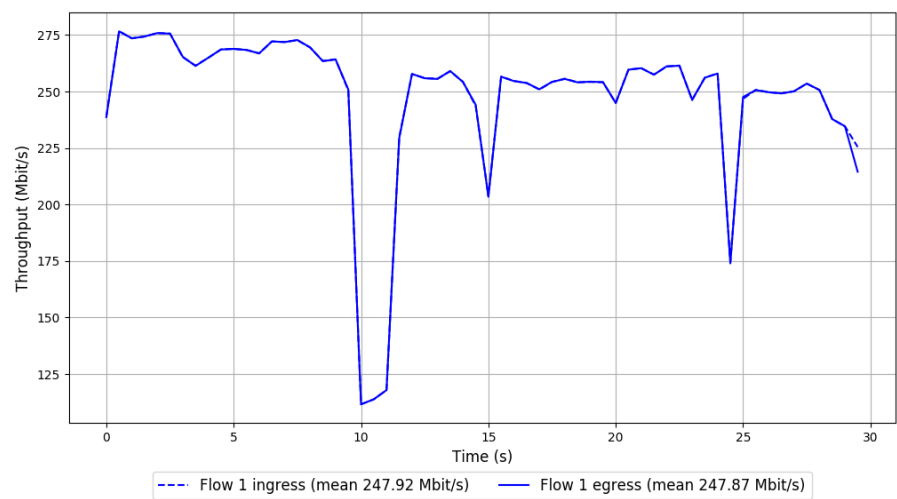
-- Flow 1:

Average throughput: 247.87 Mbit/s

95th percentile per-packet one-way delay: 1.087 ms

Loss rate: 0.08%

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



Run 1: Statistics of TCP Vegas

Start at: Mon, 24 Jul 2017 23:42:02 +0000

End at: Mon, 24 Jul 2017 23:42:32 +0000

Local clock offset: 0.361 ms

Remote clock offset: -2.868 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:21:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 278.00 Mbit/s

95th percentile per-packet one-way delay: 1.700 ms

Loss rate: 0.05%

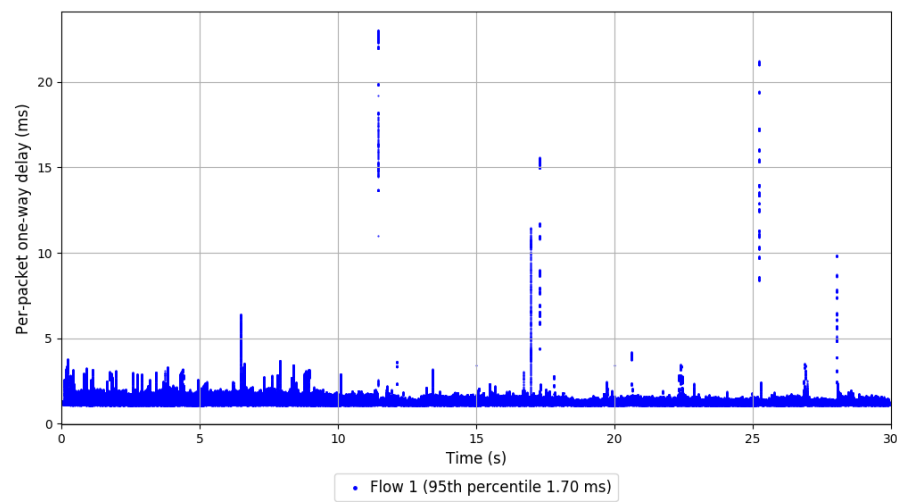
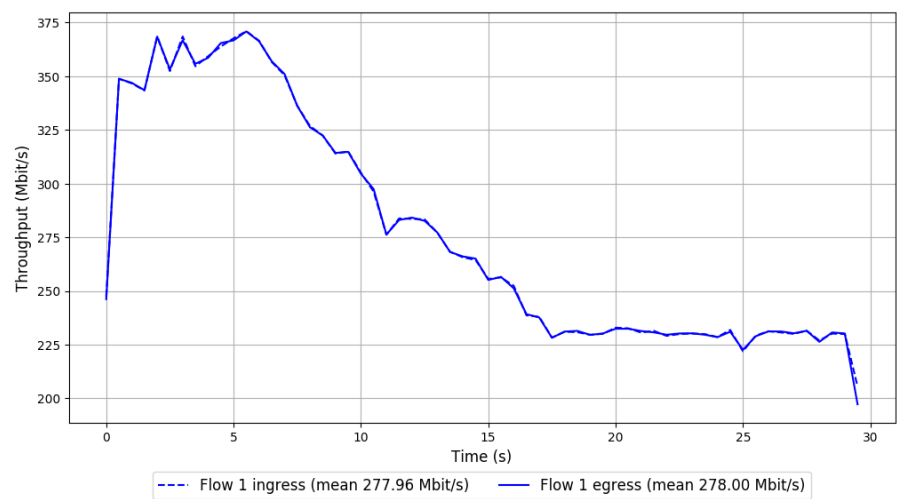
-- Flow 1:

Average throughput: 278.00 Mbit/s

95th percentile per-packet one-way delay: 1.700 ms

Loss rate: 0.05%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Tue, 25 Jul 2017 00:02:45 +0000

End at: Tue, 25 Jul 2017 00:03:15 +0000

Local clock offset: 0.148 ms

Remote clock offset: -2.653 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:21:28 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.58 Mbit/s

95th percentile per-packet one-way delay: 1.487 ms

Loss rate: 0.06%

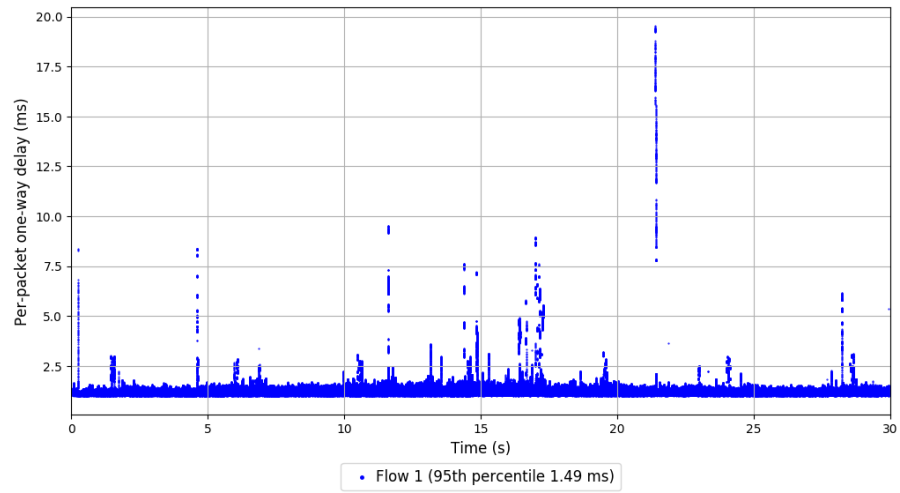
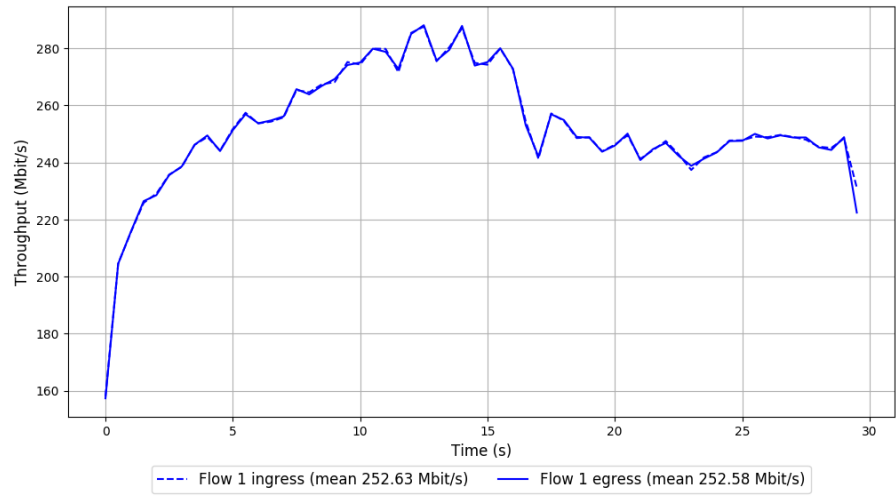
-- Flow 1:

Average throughput: 252.58 Mbit/s

95th percentile per-packet one-way delay: 1.487 ms

Loss rate: 0.06%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Tue, 25 Jul 2017 00:23:36 +0000

End at: Tue, 25 Jul 2017 00:24:06 +0000

Local clock offset: 0.237 ms

Remote clock offset: -2.518 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:21:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 316.42 Mbit/s

95th percentile per-packet one-way delay: 31.160 ms

Loss rate: 0.05%

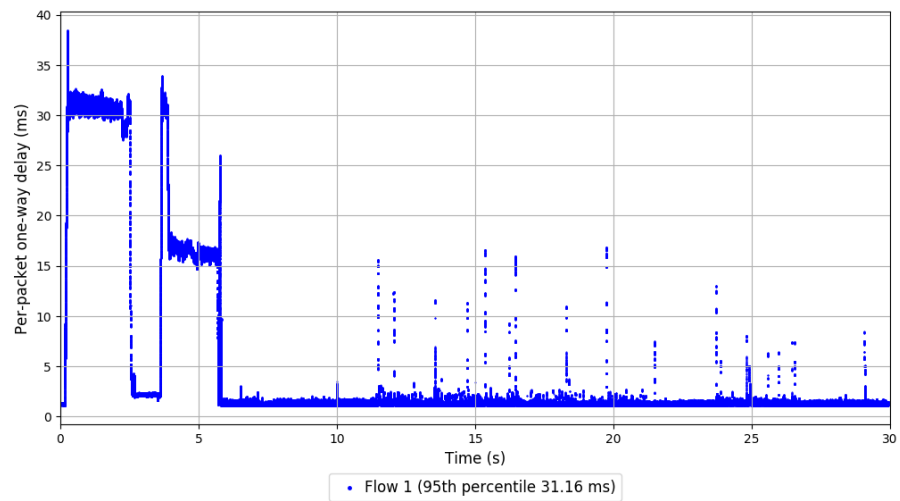
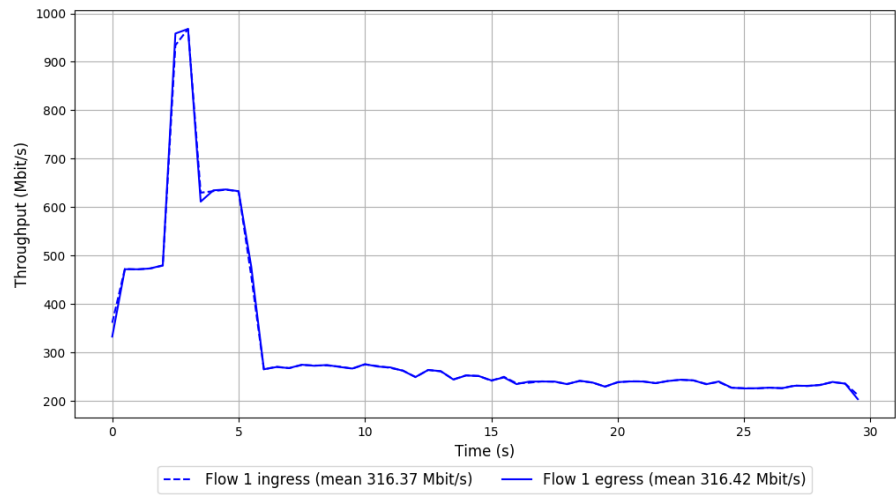
-- Flow 1:

Average throughput: 316.42 Mbit/s

95th percentile per-packet one-way delay: 31.160 ms

Loss rate: 0.05%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Tue, 25 Jul 2017 00:44:29 +0000

End at: Tue, 25 Jul 2017 00:44:59 +0000

Local clock offset: 0.287 ms

Remote clock offset: -2.174 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:21:57 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 210.13 Mbit/s

95th percentile per-packet one-way delay: 1.546 ms

Loss rate: 0.08%

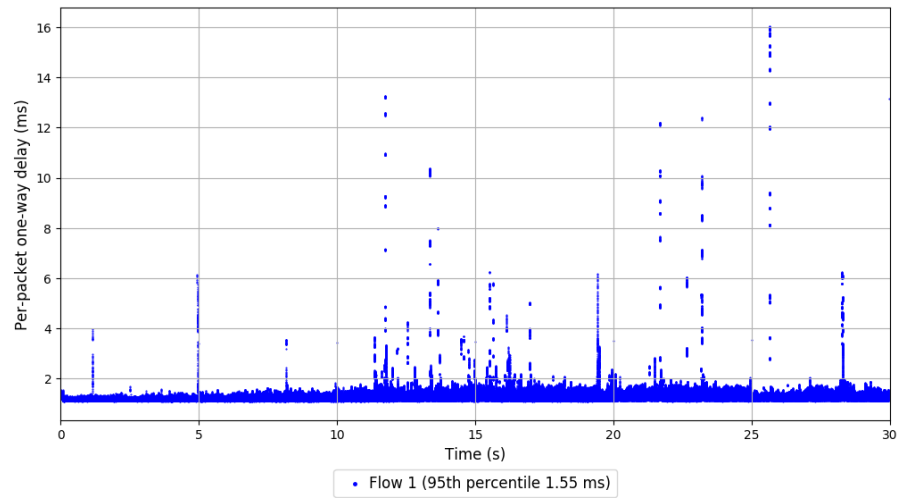
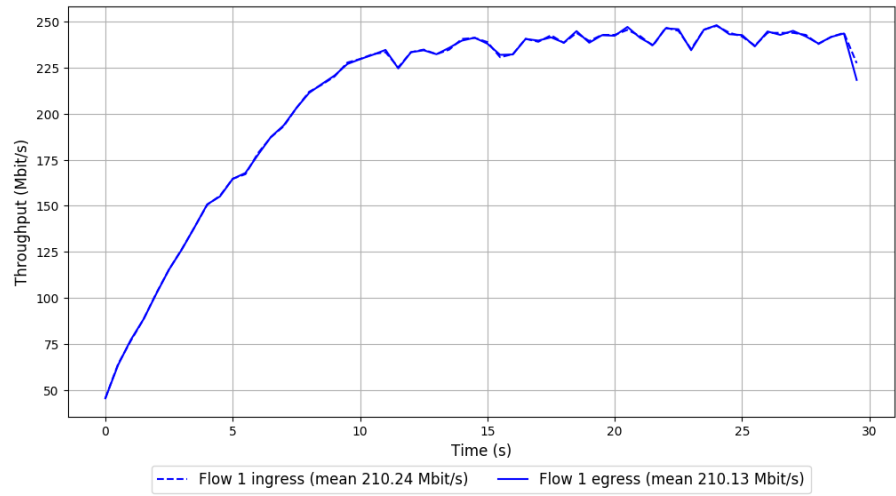
-- Flow 1:

Average throughput: 210.13 Mbit/s

95th percentile per-packet one-way delay: 1.546 ms

Loss rate: 0.08%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Tue, 25 Jul 2017 01:05:22 +0000

End at: Tue, 25 Jul 2017 01:05:52 +0000

Local clock offset: 0.264 ms

Remote clock offset: -1.694 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:22:28 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 242.25 Mbit/s

95th percentile per-packet one-way delay: 1.442 ms

Loss rate: 0.07%

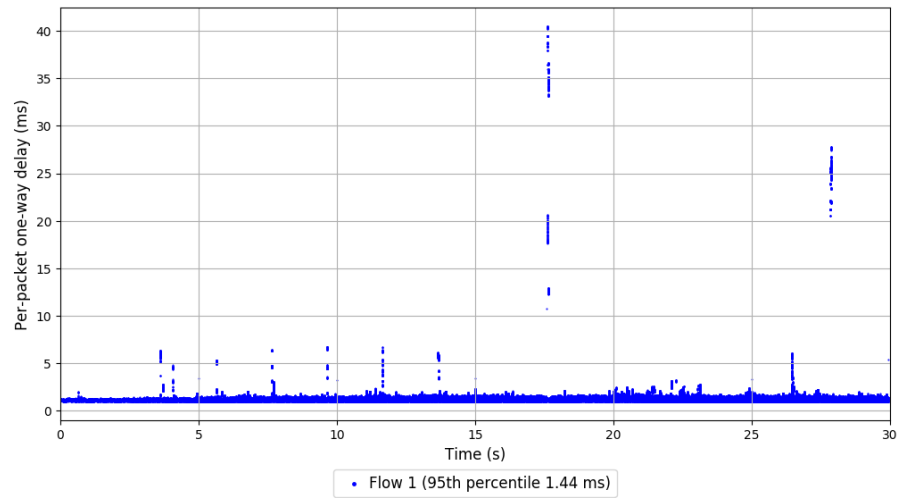
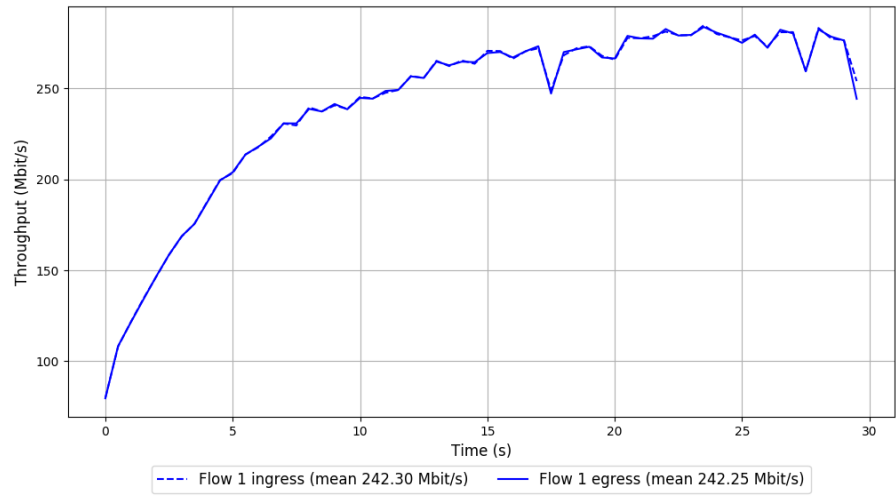
-- Flow 1:

Average throughput: 242.25 Mbit/s

95th percentile per-packet one-way delay: 1.442 ms

Loss rate: 0.07%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Tue, 25 Jul 2017 01:26:00 +0000

End at: Tue, 25 Jul 2017 01:26:30 +0000

Local clock offset: 0.323 ms

Remote clock offset: -1.693 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:22:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 263.99 Mbit/s

95th percentile per-packet one-way delay: 1.539 ms

Loss rate: 0.08%

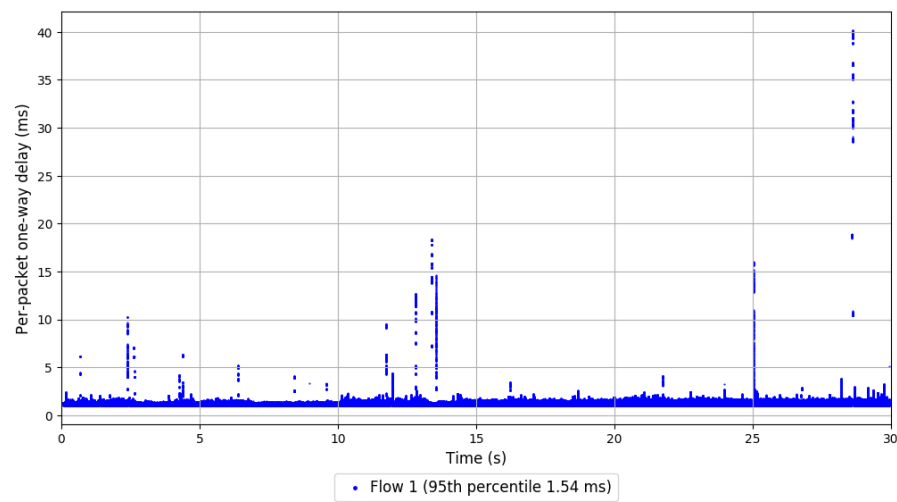
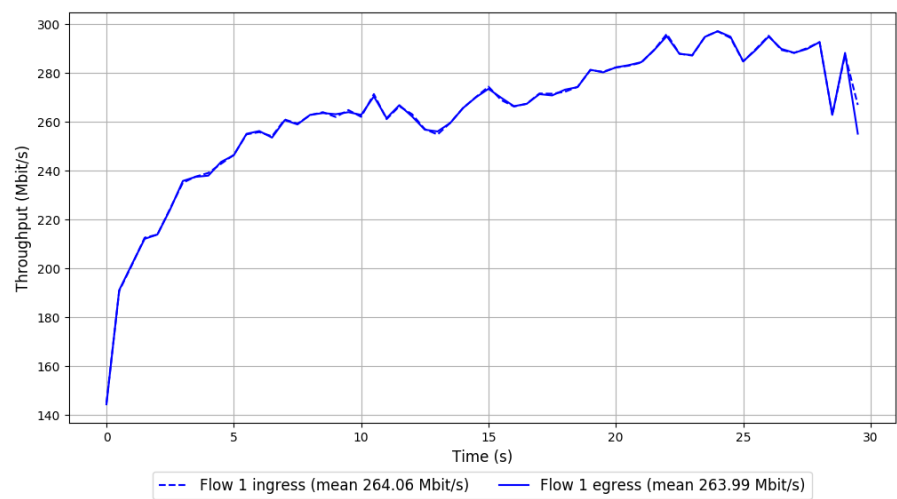
-- Flow 1:

Average throughput: 263.99 Mbit/s

95th percentile per-packet one-way delay: 1.539 ms

Loss rate: 0.08%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Tue, 25 Jul 2017 01:46:45 +0000

End at: Tue, 25 Jul 2017 01:47:15 +0000

Local clock offset: 0.124 ms

Remote clock offset: -1.79 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:22:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 211.43 Mbit/s

95th percentile per-packet one-way delay: 1.630 ms

Loss rate: 0.08%

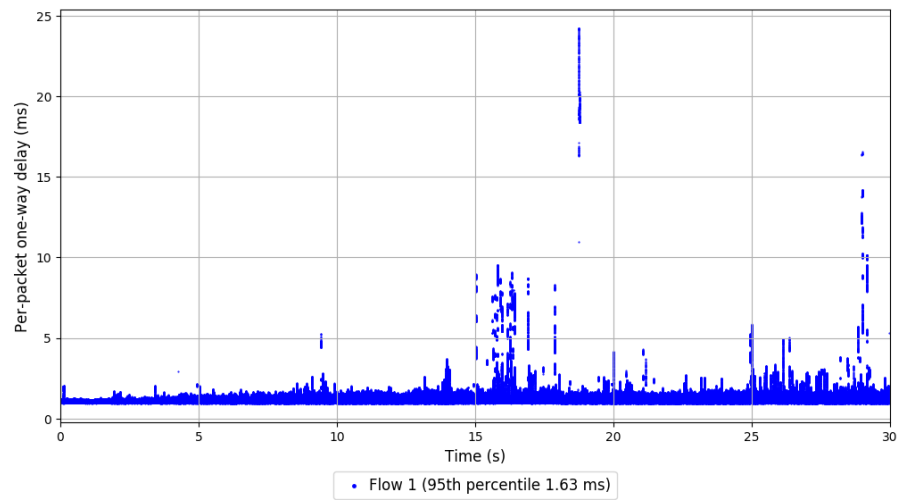
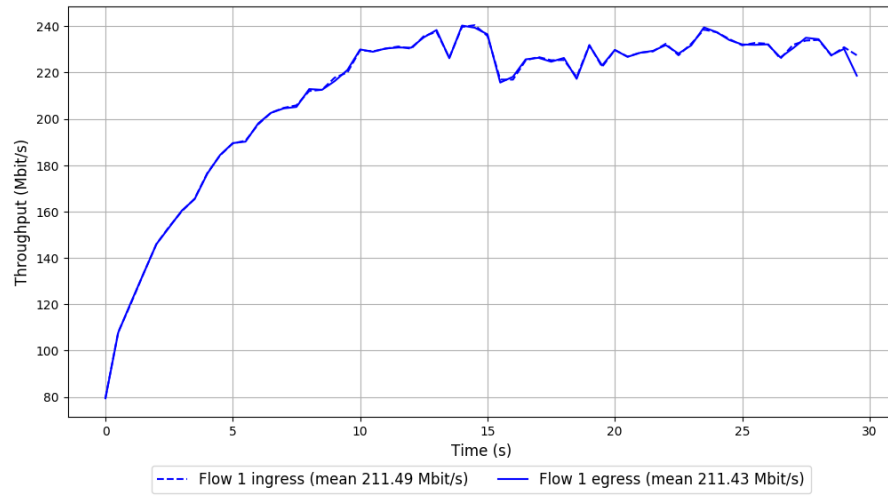
-- Flow 1:

Average throughput: 211.43 Mbit/s

95th percentile per-packet one-way delay: 1.630 ms

Loss rate: 0.08%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Tue, 25 Jul 2017 02:07:34 +0000

End at: Tue, 25 Jul 2017 02:08:04 +0000

Local clock offset: 0.352 ms

Remote clock offset: -2.199 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:23:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 430.72 Mbit/s

95th percentile per-packet one-way delay: 11.328 ms

Loss rate: 0.05%

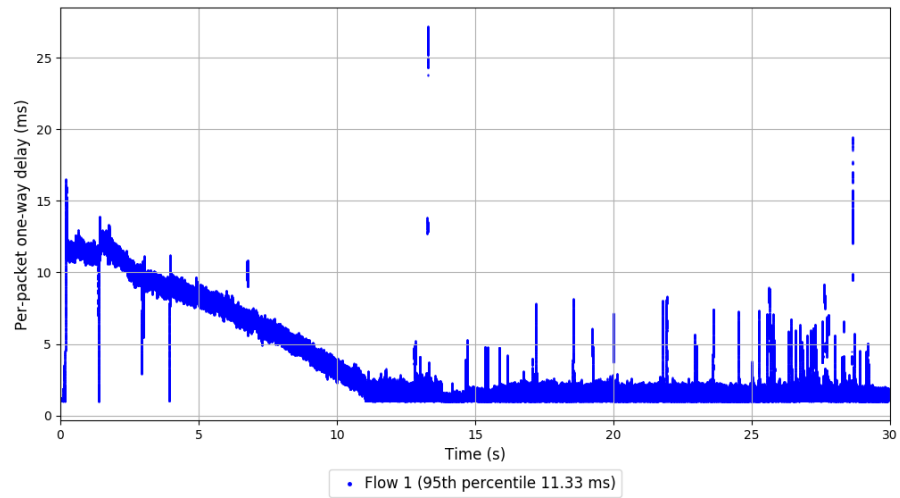
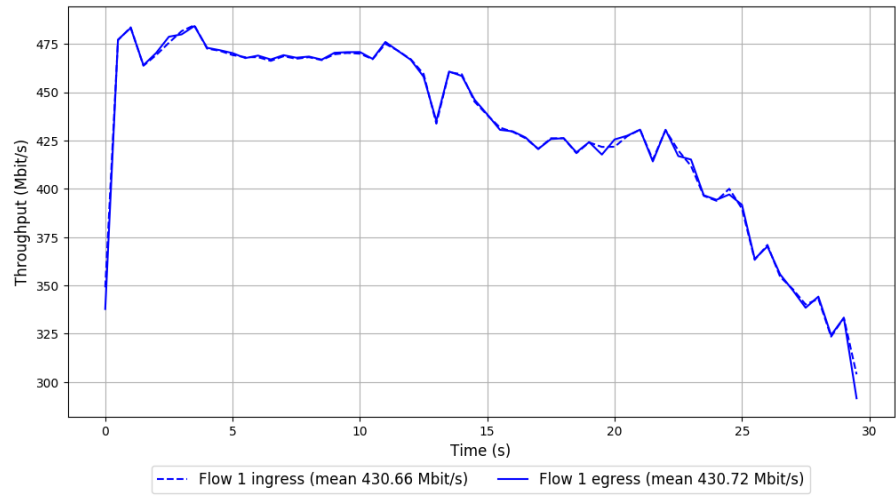
-- Flow 1:

Average throughput: 430.72 Mbit/s

95th percentile per-packet one-way delay: 11.328 ms

Loss rate: 0.05%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Tue, 25 Jul 2017 02:28:30 +0000

End at: Tue, 25 Jul 2017 02:29:00 +0000

Local clock offset: 0.399 ms

Remote clock offset: -2.42 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:23:33 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 337.92 Mbit/s

95th percentile per-packet one-way delay: 11.599 ms

Loss rate: 0.06%

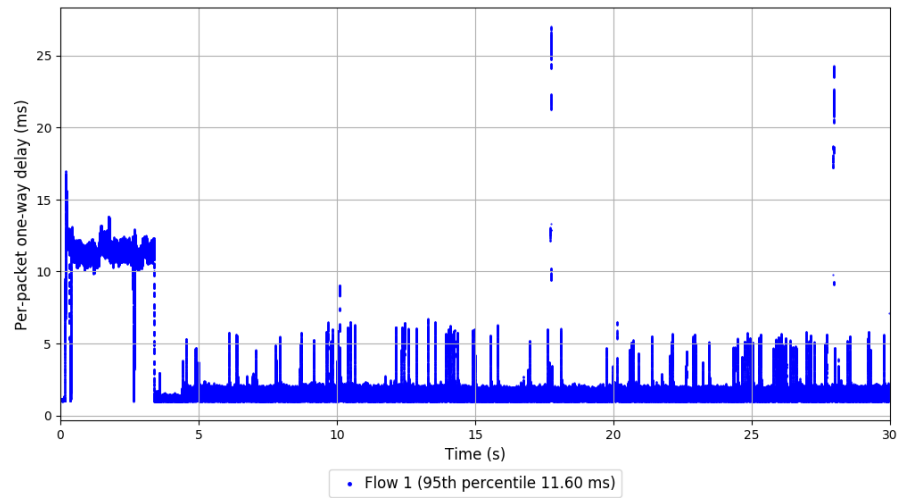
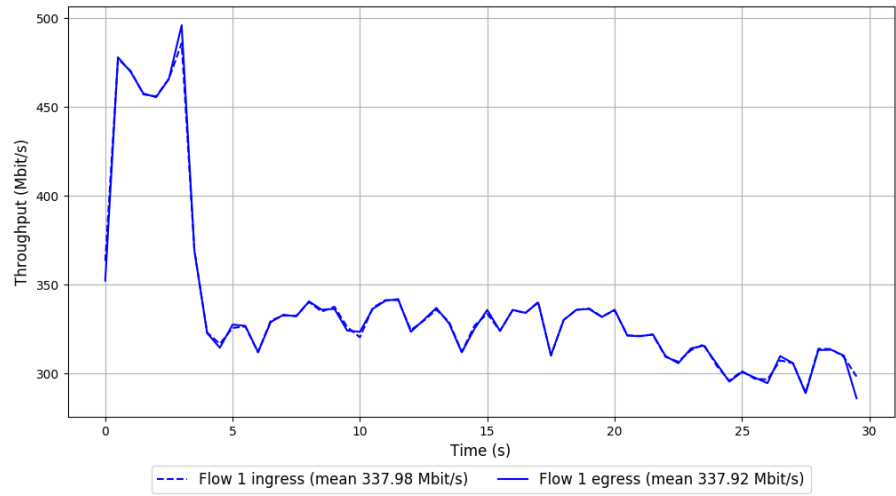
-- Flow 1:

Average throughput: 337.92 Mbit/s

95th percentile per-packet one-way delay: 11.599 ms

Loss rate: 0.06%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Tue, 25 Jul 2017 02:49:40 +0000

End at: Tue, 25 Jul 2017 02:50:10 +0000

Local clock offset: 0.451 ms

Remote clock offset: -2.357 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:24:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 383.87 Mbit/s

95th percentile per-packet one-way delay: 3.264 ms

Loss rate: 0.05%

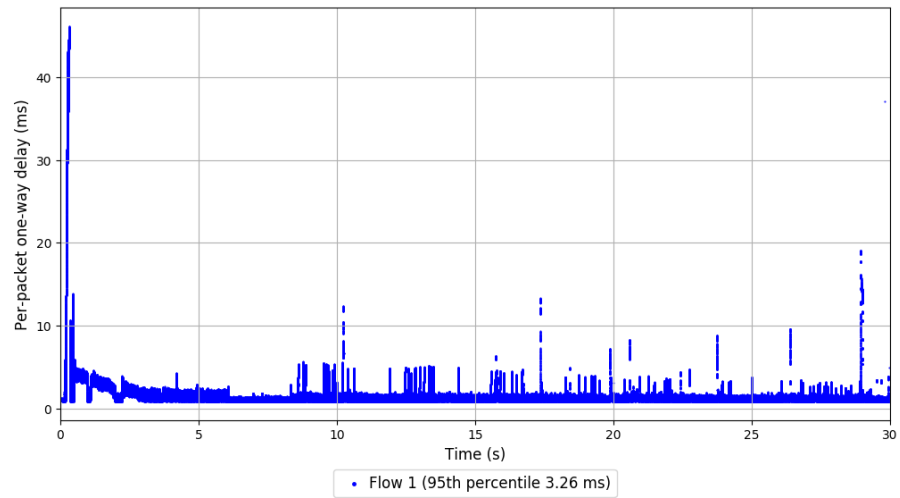
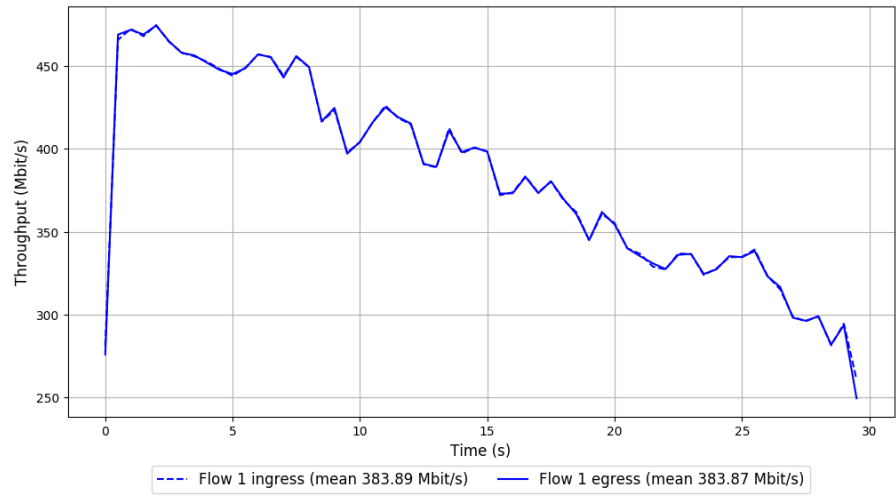
-- Flow 1:

Average throughput: 383.87 Mbit/s

95th percentile per-packet one-way delay: 3.264 ms

Loss rate: 0.05%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Mon, 24 Jul 2017 23:31:46 +0000

End at: Mon, 24 Jul 2017 23:32:16 +0000

Local clock offset: 0.42 ms

Remote clock offset: -2.784 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:24:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 391.50 Mbit/s

95th percentile per-packet one-way delay: 23.232 ms

Loss rate: 0.10%

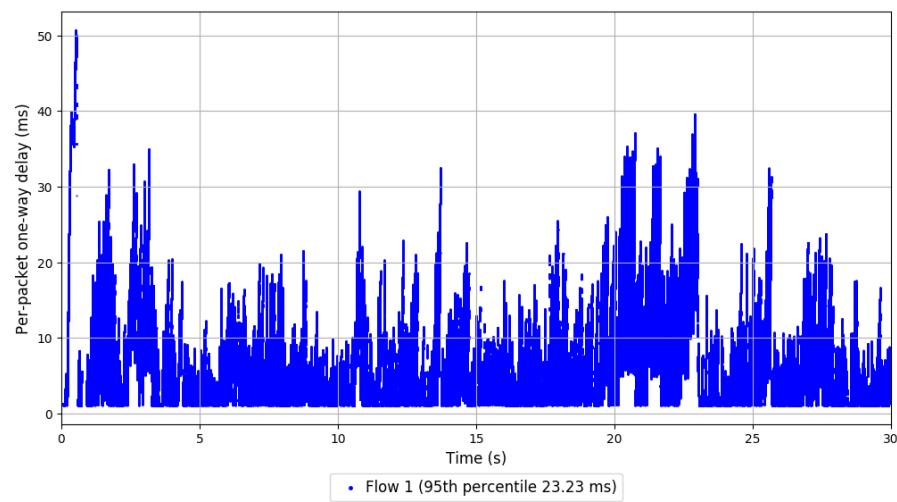
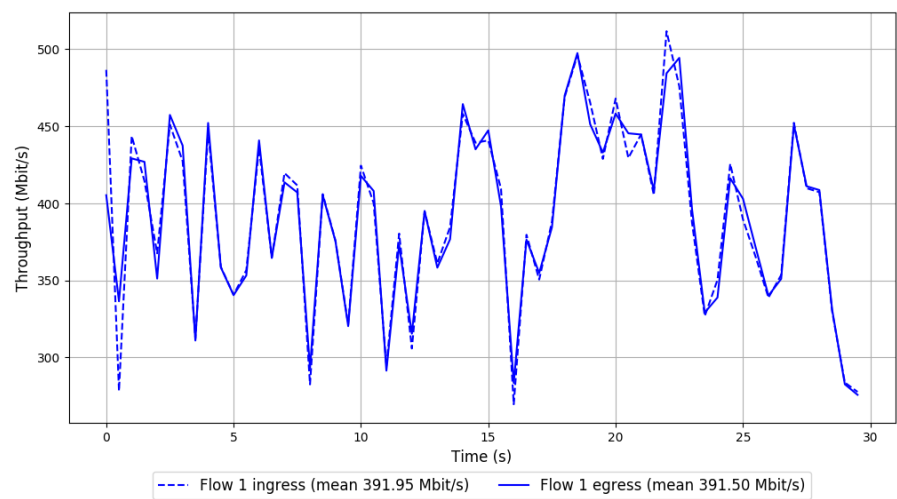
-- Flow 1:

Average throughput: 391.50 Mbit/s

95th percentile per-packet one-way delay: 23.232 ms

Loss rate: 0.10%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Mon, 24 Jul 2017 23:52:37 +0000

End at: Mon, 24 Jul 2017 23:53:07 +0000

Local clock offset: 0.337 ms

Remote clock offset: -2.642 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:24:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 359.07 Mbit/s

95th percentile per-packet one-way delay: 16.611 ms

Loss rate: 0.48%

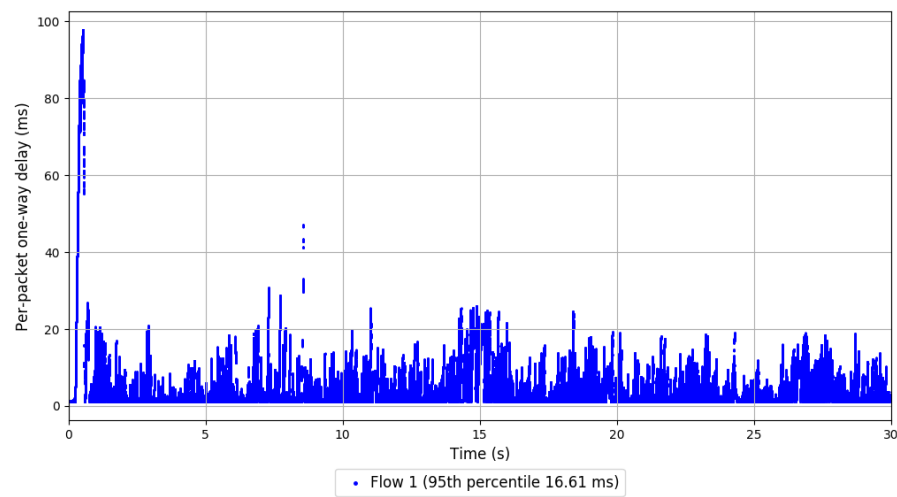
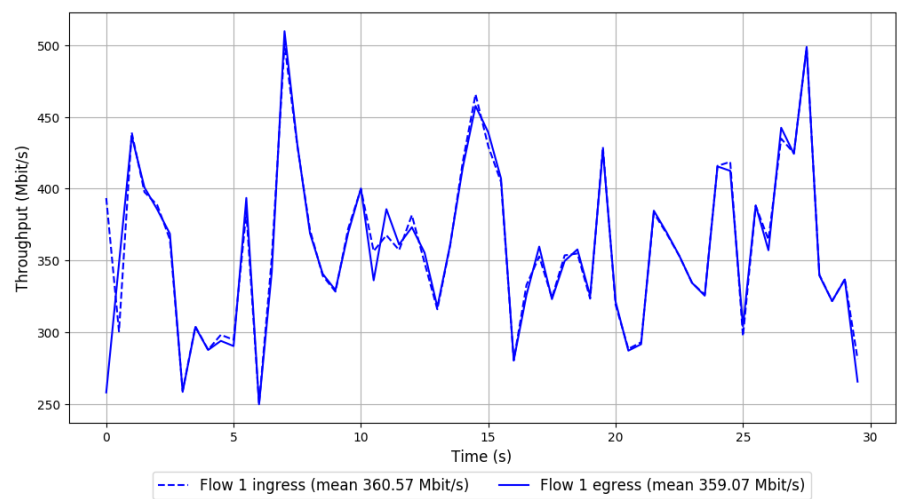
-- Flow 1:

Average throughput: 359.07 Mbit/s

95th percentile per-packet one-way delay: 16.611 ms

Loss rate: 0.48%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Tue, 25 Jul 2017 00:13:16 +0000

End at: Tue, 25 Jul 2017 00:13:46 +0000

Local clock offset: 0.07 ms

Remote clock offset: -2.617 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:25:10 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 392.52 Mbit/s

95th percentile per-packet one-way delay: 46.595 ms

Loss rate: 1.83%

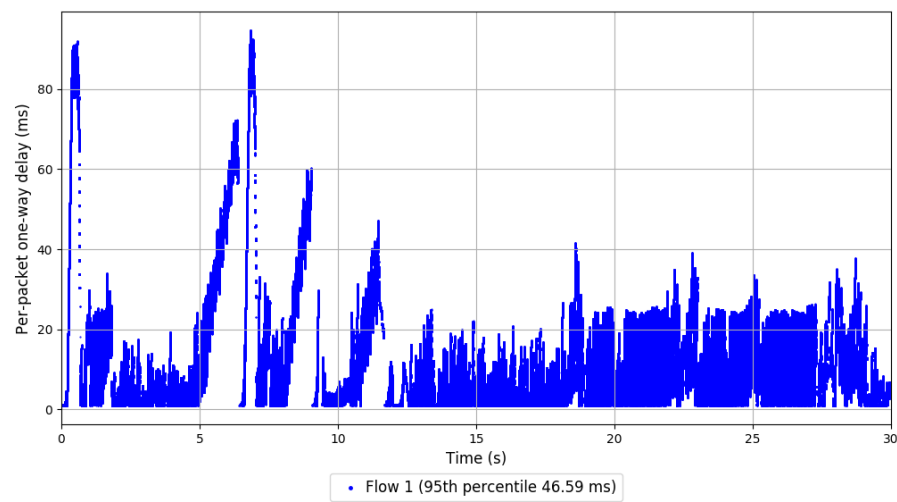
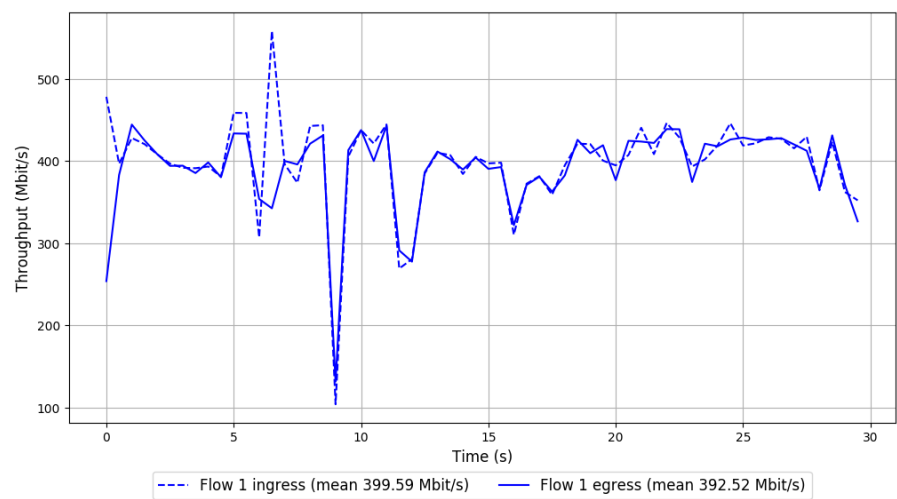
-- Flow 1:

Average throughput: 392.52 Mbit/s

95th percentile per-packet one-way delay: 46.595 ms

Loss rate: 1.83%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Tue, 25 Jul 2017 00:34:20 +0000

End at: Tue, 25 Jul 2017 00:34:50 +0000

Local clock offset: 0.321 ms

Remote clock offset: -2.393 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:25:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 324.23 Mbit/s

95th percentile per-packet one-way delay: 17.545 ms

Loss rate: 0.44%

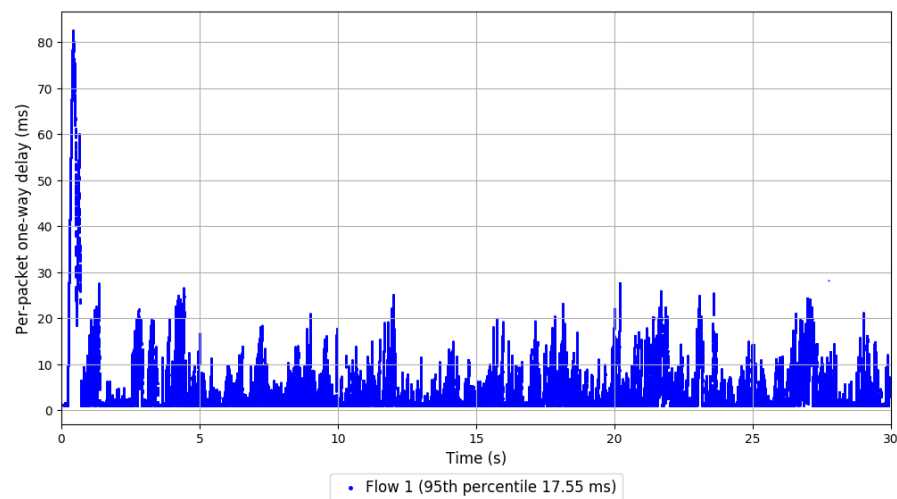
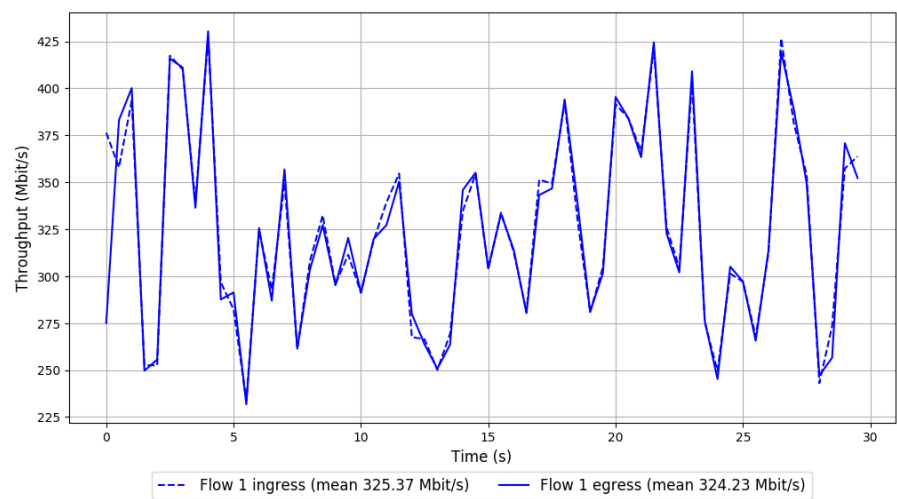
-- Flow 1:

Average throughput: 324.23 Mbit/s

95th percentile per-packet one-way delay: 17.545 ms

Loss rate: 0.44%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Tue, 25 Jul 2017 00:55:07 +0000

End at: Tue, 25 Jul 2017 00:55:37 +0000

Local clock offset: 0.139 ms

Remote clock offset: -1.921 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:25:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 371.61 Mbit/s

95th percentile per-packet one-way delay: 20.680 ms

Loss rate: 0.44%

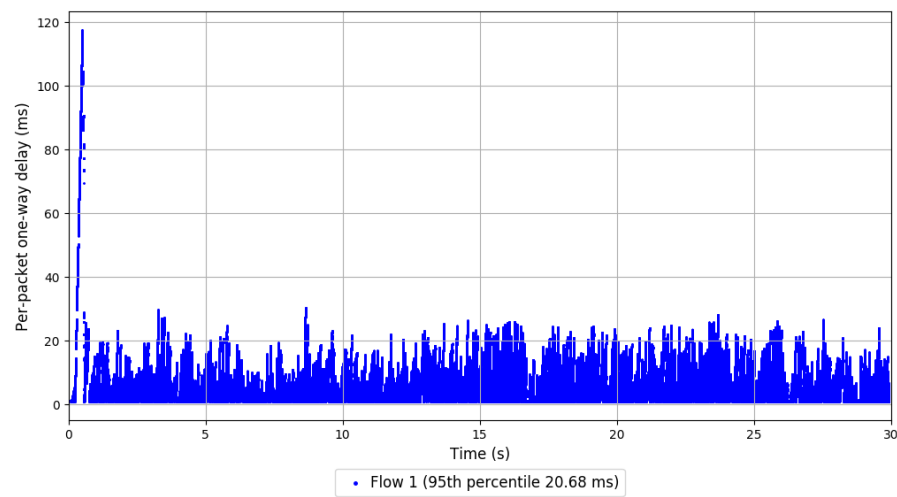
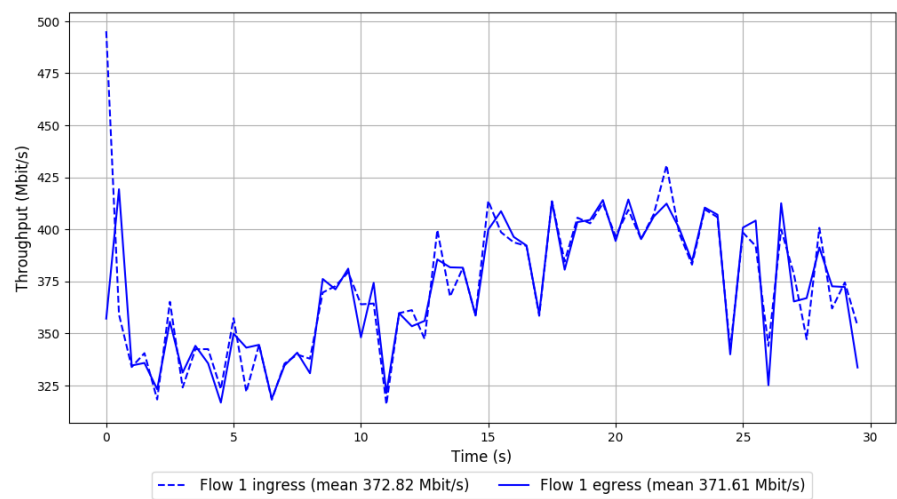
-- Flow 1:

Average throughput: 371.61 Mbit/s

95th percentile per-packet one-way delay: 20.680 ms

Loss rate: 0.44%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Tue, 25 Jul 2017 01:15:53 +0000

End at: Tue, 25 Jul 2017 01:16:23 +0000

Local clock offset: 0.286 ms

Remote clock offset: -1.772 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:26:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 405.74 Mbit/s

95th percentile per-packet one-way delay: 22.477 ms

Loss rate: 0.97%

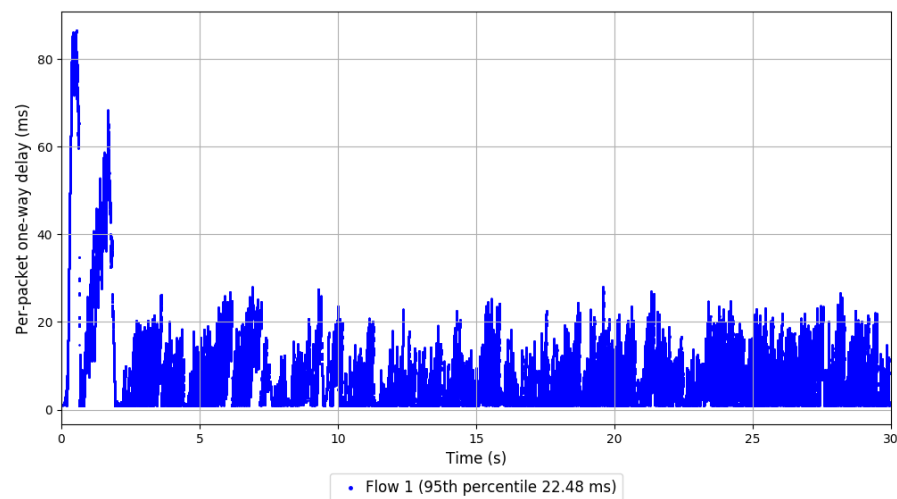
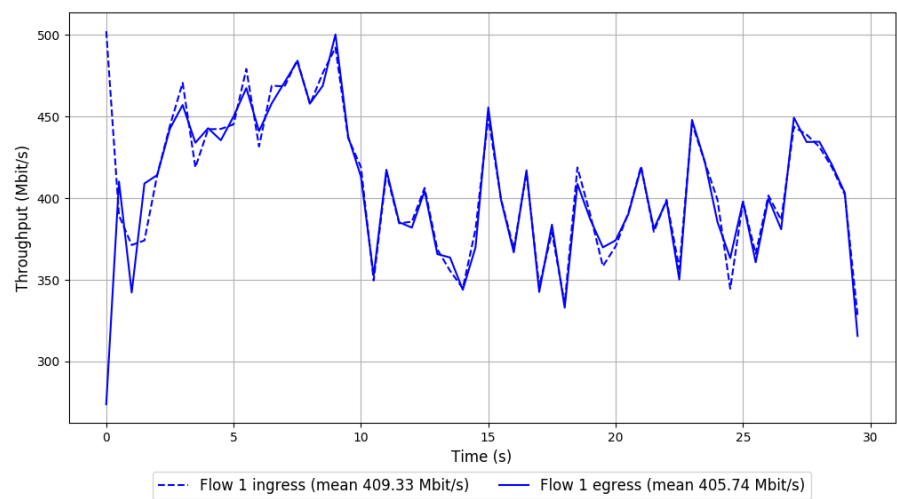
-- Flow 1:

Average throughput: 405.74 Mbit/s

95th percentile per-packet one-way delay: 22.477 ms

Loss rate: 0.97%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Tue, 25 Jul 2017 01:36:34 +0000

End at: Tue, 25 Jul 2017 01:37:04 +0000

Local clock offset: 0.308 ms

Remote clock offset: -1.616 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:26:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 302.74 Mbit/s

95th percentile per-packet one-way delay: 41.373 ms

Loss rate: 0.83%

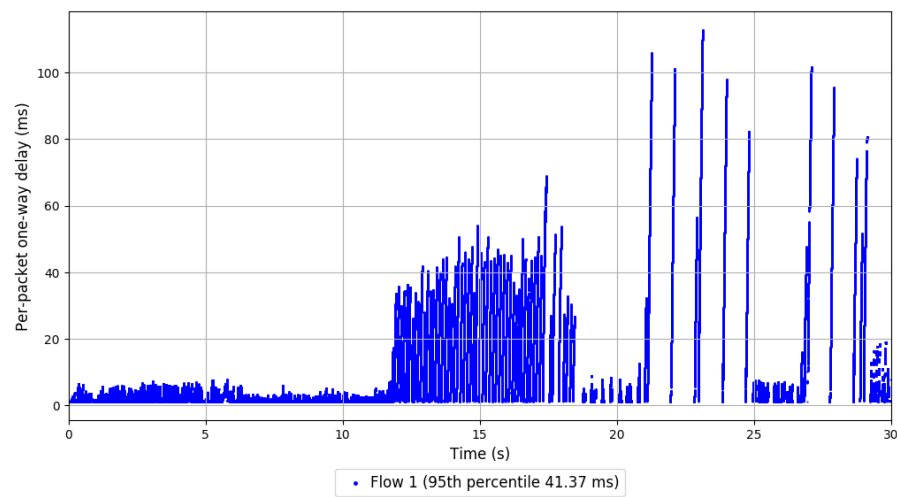
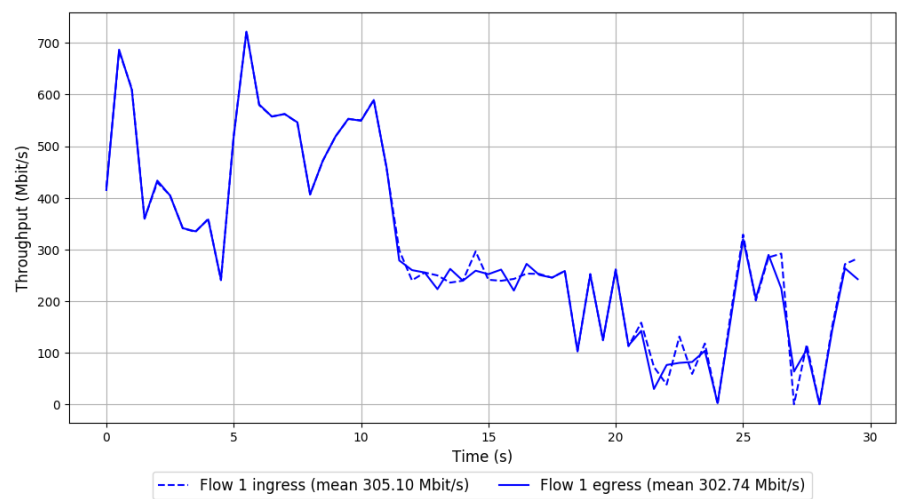
-- Flow 1:

Average throughput: 302.74 Mbit/s

95th percentile per-packet one-way delay: 41.373 ms

Loss rate: 0.83%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Tue, 25 Jul 2017 01:57:16 +0000

End at: Tue, 25 Jul 2017 01:57:46 +0000

Local clock offset: 0.264 ms

Remote clock offset: -2.069 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:27:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 346.65 Mbit/s

95th percentile per-packet one-way delay: 44.365 ms

Loss rate: 0.31%

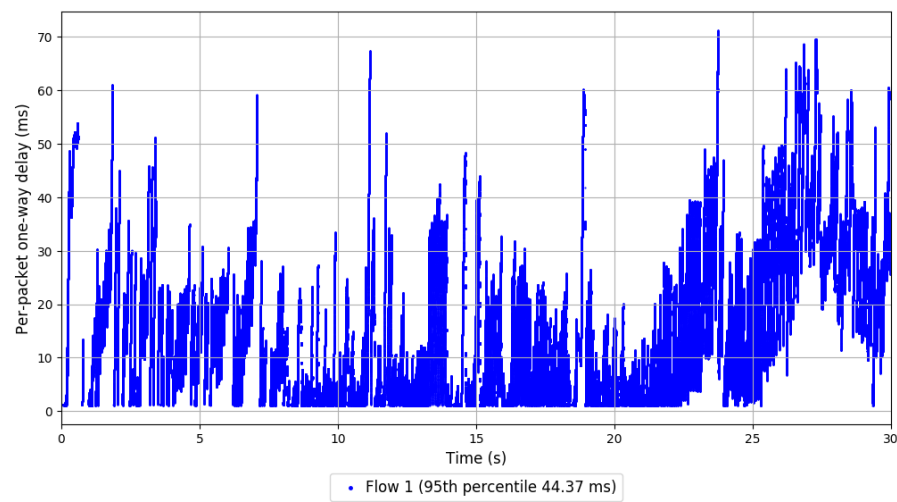
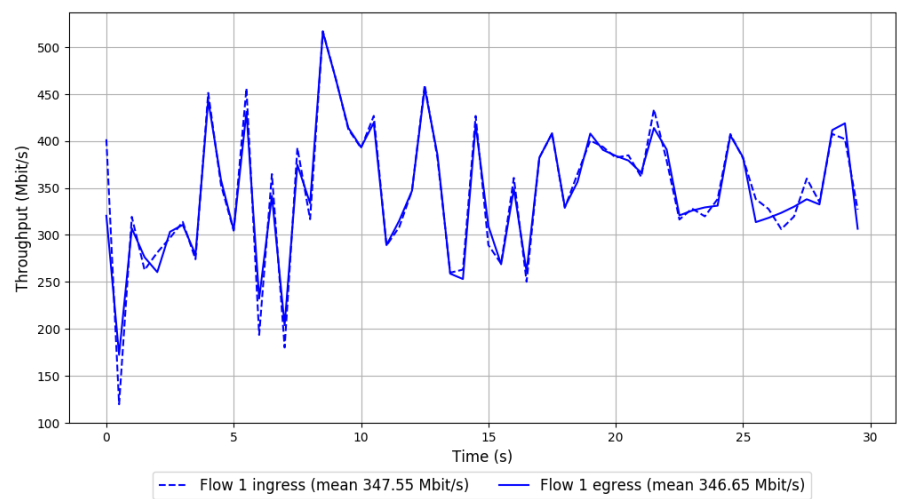
-- Flow 1:

Average throughput: 346.65 Mbit/s

95th percentile per-packet one-way delay: 44.365 ms

Loss rate: 0.31%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Tue, 25 Jul 2017 02:18:14 +0000

End at: Tue, 25 Jul 2017 02:18:45 +0000

Local clock offset: 0.408 ms

Remote clock offset: -2.428 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:27:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 425.55 Mbit/s

95th percentile per-packet one-way delay: 58.733 ms

Loss rate: 0.30%

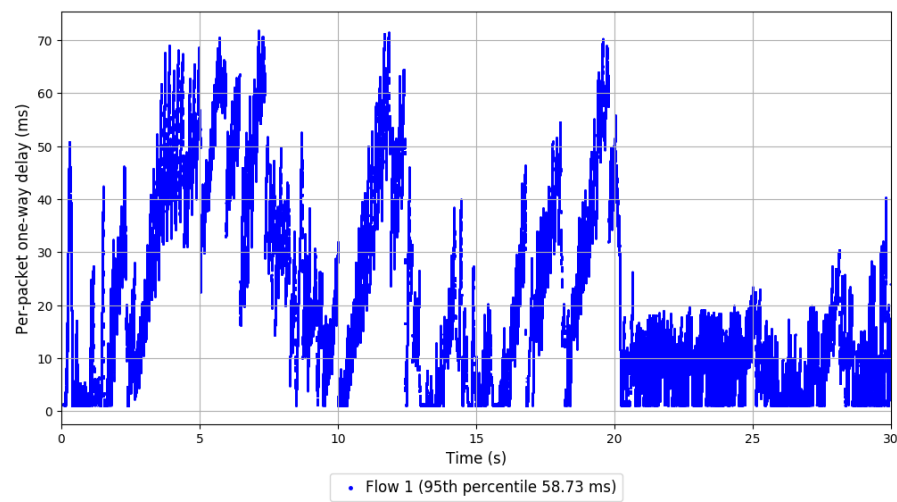
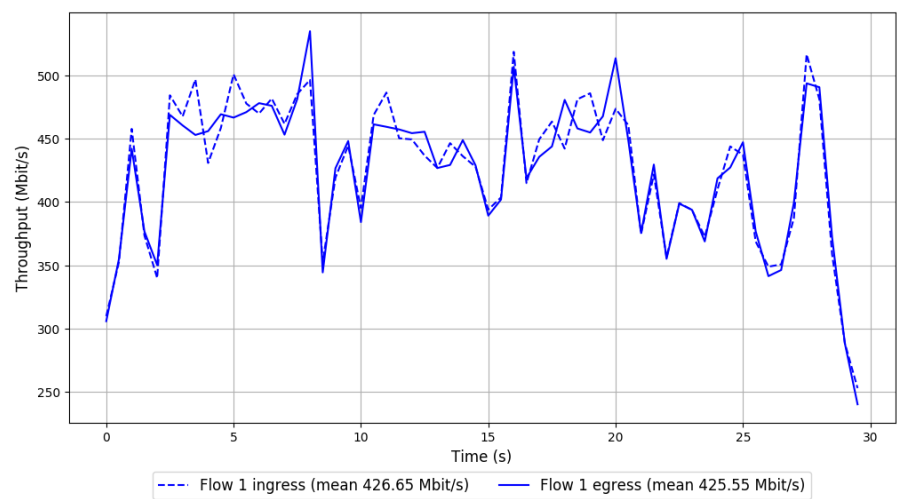
-- Flow 1:

Average throughput: 425.55 Mbit/s

95th percentile per-packet one-way delay: 58.733 ms

Loss rate: 0.30%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Tue, 25 Jul 2017 02:39:11 +0000

End at: Tue, 25 Jul 2017 02:39:41 +0000

Local clock offset: 0.551 ms

Remote clock offset: -2.476 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:27:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 395.52 Mbit/s

95th percentile per-packet one-way delay: 43.252 ms

Loss rate: 0.54%

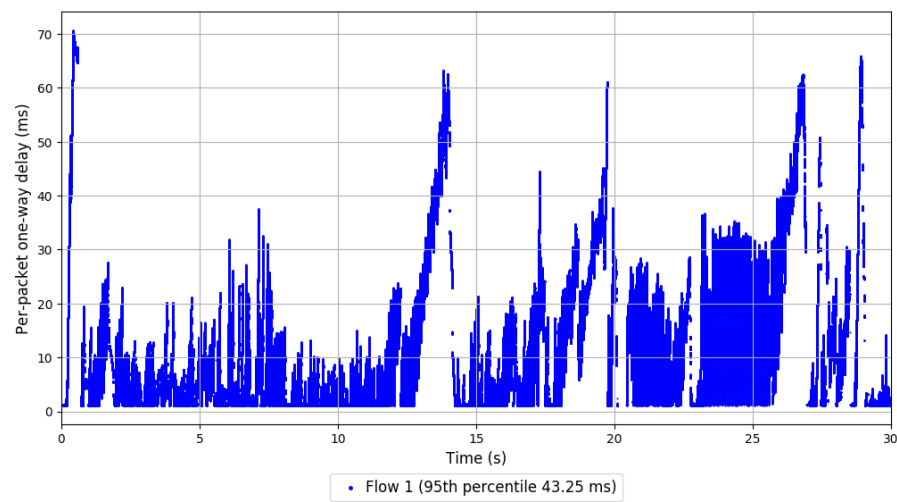
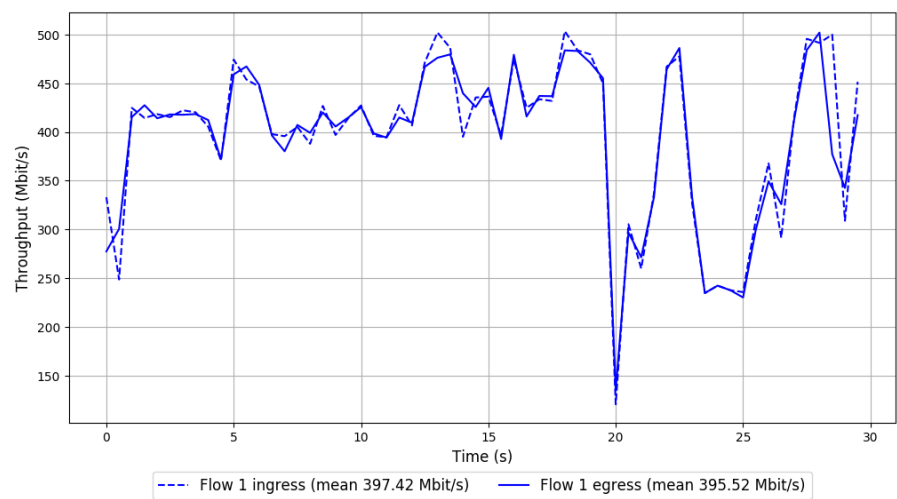
-- Flow 1:

Average throughput: 395.52 Mbit/s

95th percentile per-packet one-way delay: 43.252 ms

Loss rate: 0.54%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 23:27:41 +0000

End at: Mon, 24 Jul 2017 23:28:11 +0000

Local clock offset: 0.371 ms

Remote clock offset: -2.813 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:27:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 1.192 ms

Loss rate: 0.10%

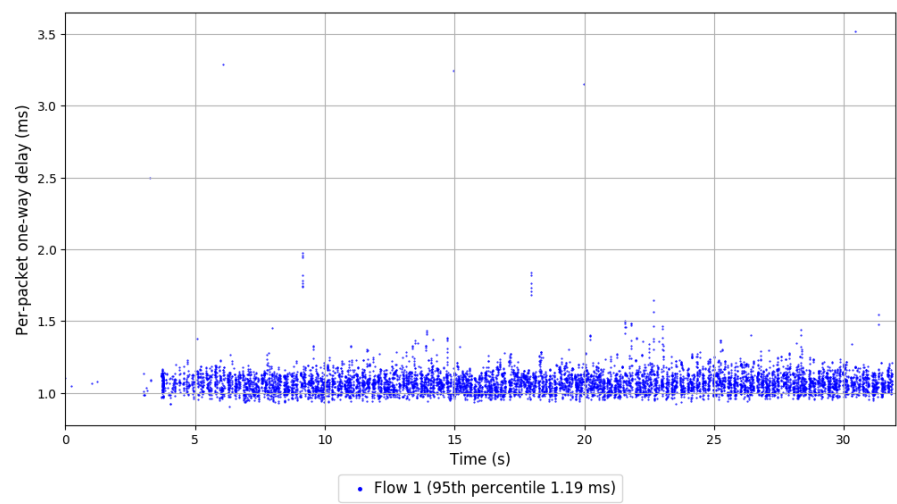
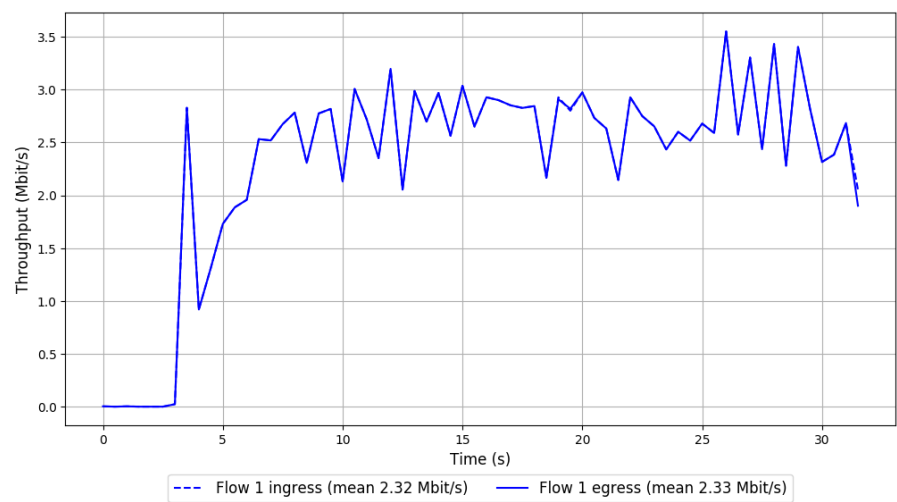
-- Flow 1:

Average throughput: 2.33 Mbit/s

95th percentile per-packet one-way delay: 1.192 ms

Loss rate: 0.10%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Mon, 24 Jul 2017 23:48:34 +0000

End at: Mon, 24 Jul 2017 23:49:04 +0000

Local clock offset: 0.262 ms

Remote clock offset: -2.732 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:27:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 1.233 ms

Loss rate: 0.15%

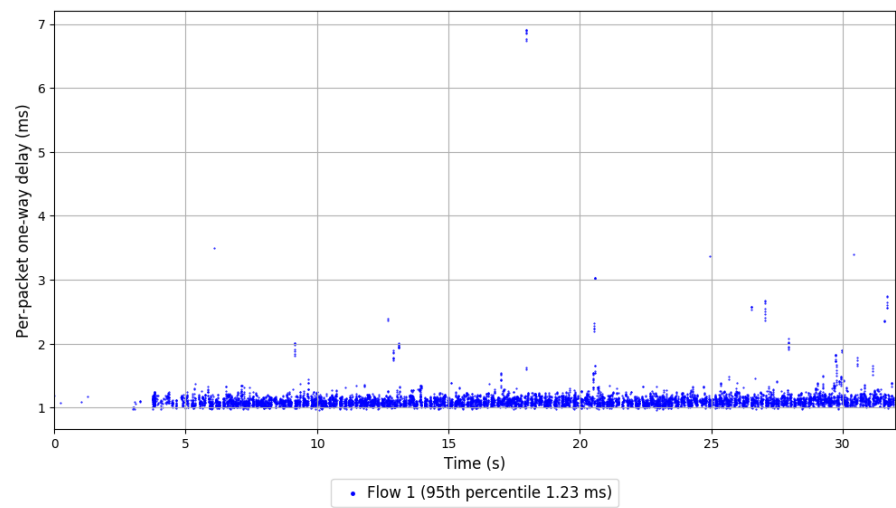
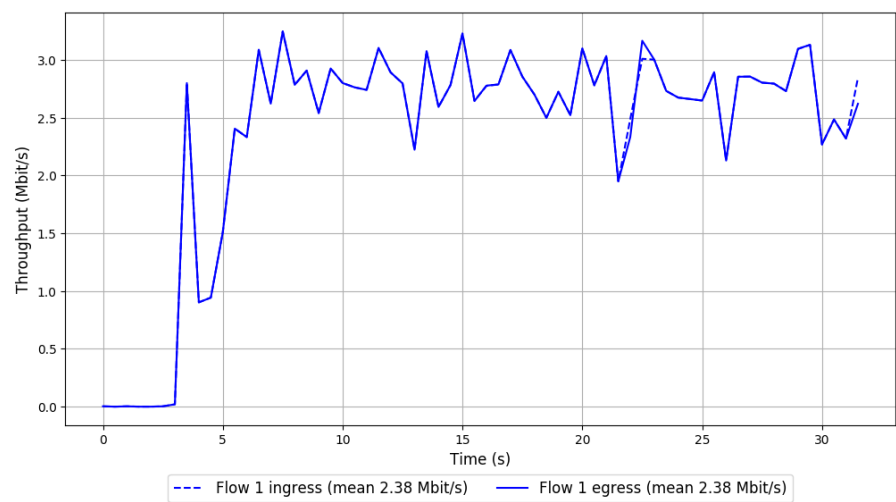
-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 1.233 ms

Loss rate: 0.15%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Tue, 25 Jul 2017 00:09:13 +0000

End at: Tue, 25 Jul 2017 00:09:43 +0000

Local clock offset: 0.183 ms

Remote clock offset: -2.634 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:27:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 1.330 ms

Loss rate: 0.15%

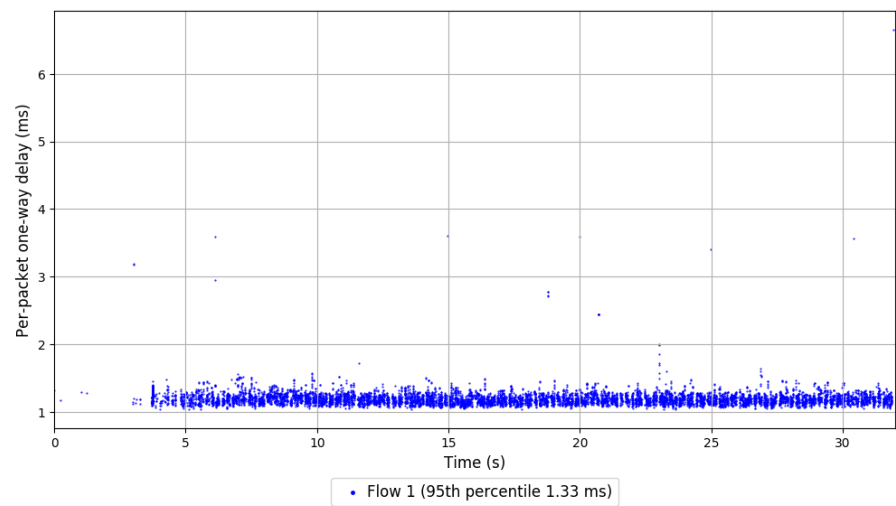
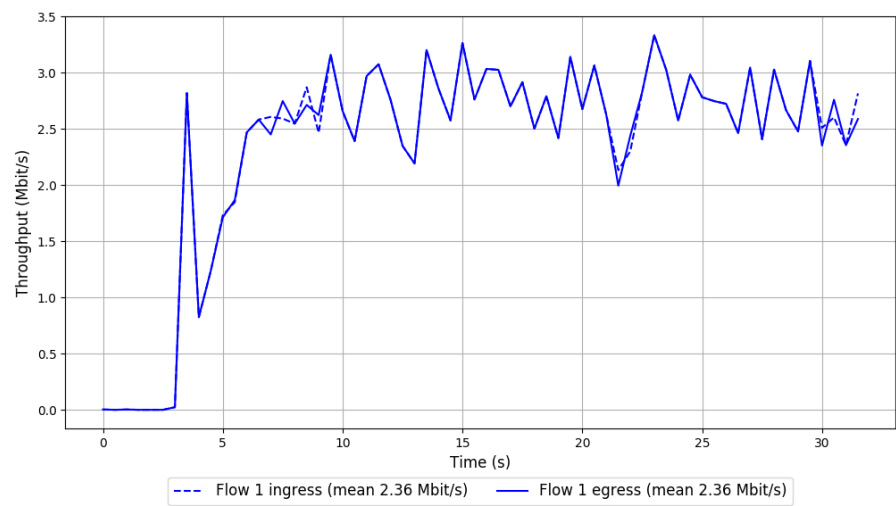
-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 1.330 ms

Loss rate: 0.15%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

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

End at: Tue, 25 Jul 2017 00:30:47 +0000

Local clock offset: 0.309 ms

Remote clock offset: -2.473 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:27:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 1.401 ms

Loss rate: 0.00%

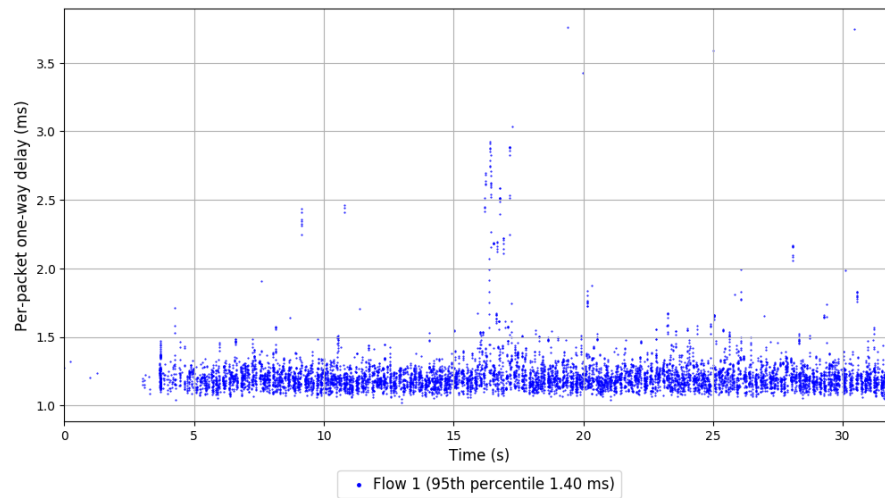
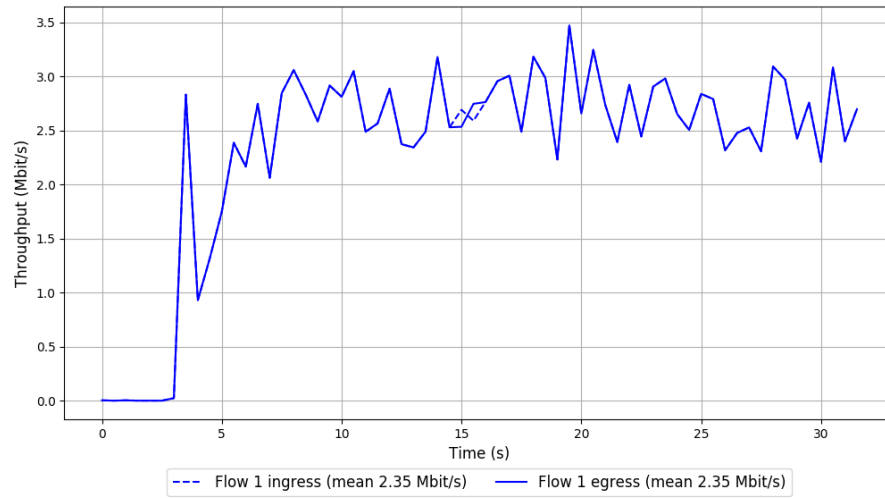
-- Flow 1:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 1.401 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Tue, 25 Jul 2017 00:51:00 +0000

End at: Tue, 25 Jul 2017 00:51:30 +0000

Local clock offset: 0.217 ms

Remote clock offset: -2.052 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:27:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 1.323 ms

Loss rate: 0.00%

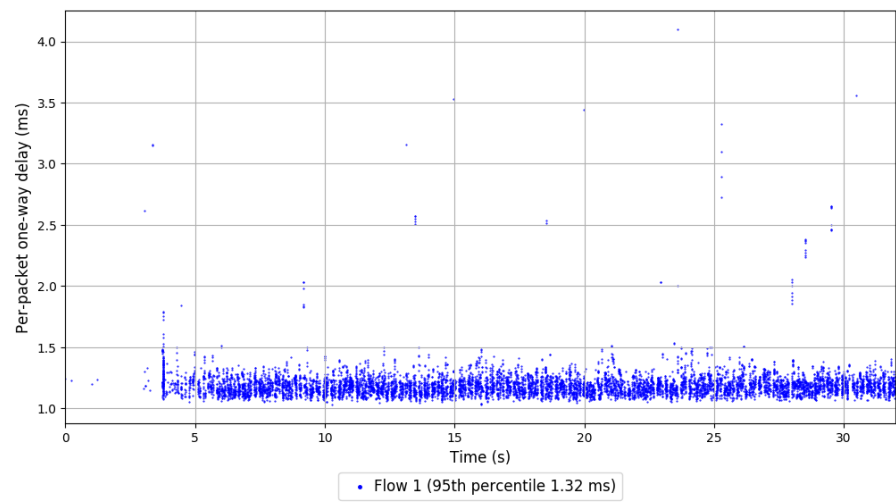
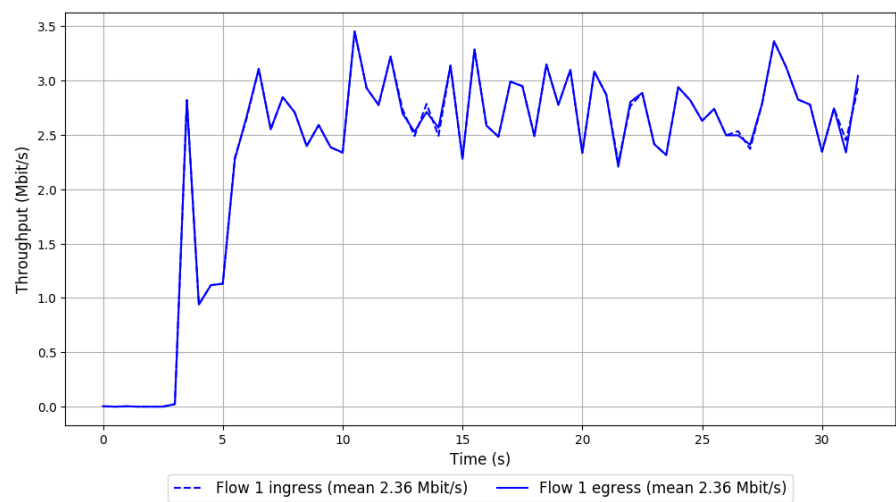
-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 1.323 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Tue, 25 Jul 2017 01:11:52 +0000

End at: Tue, 25 Jul 2017 01:12:22 +0000

Local clock offset: 0.338 ms

Remote clock offset: -1.906 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:27:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 1.353 ms

Loss rate: 0.04%

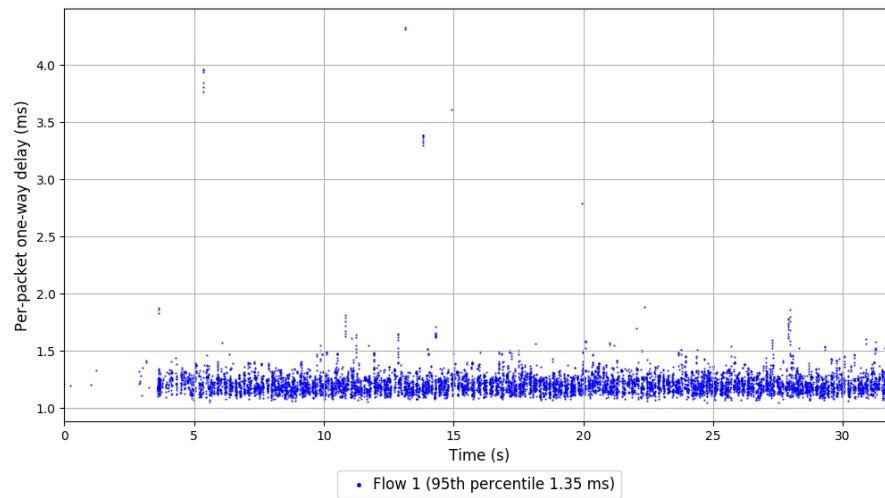
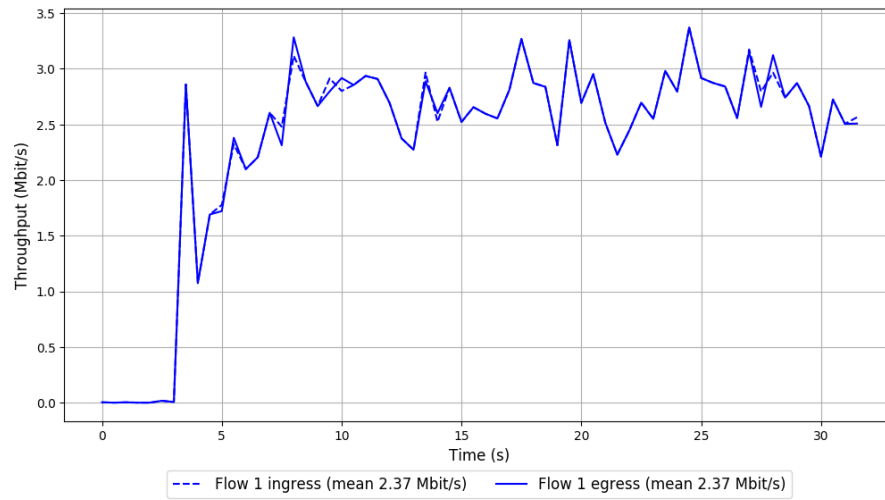
-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 1.353 ms

Loss rate: 0.04%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Tue, 25 Jul 2017 01:32:31 +0000

End at: Tue, 25 Jul 2017 01:33:01 +0000

Local clock offset: 0.357 ms

Remote clock offset: -1.643 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:27:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 1.387 ms

Loss rate: 0.14%

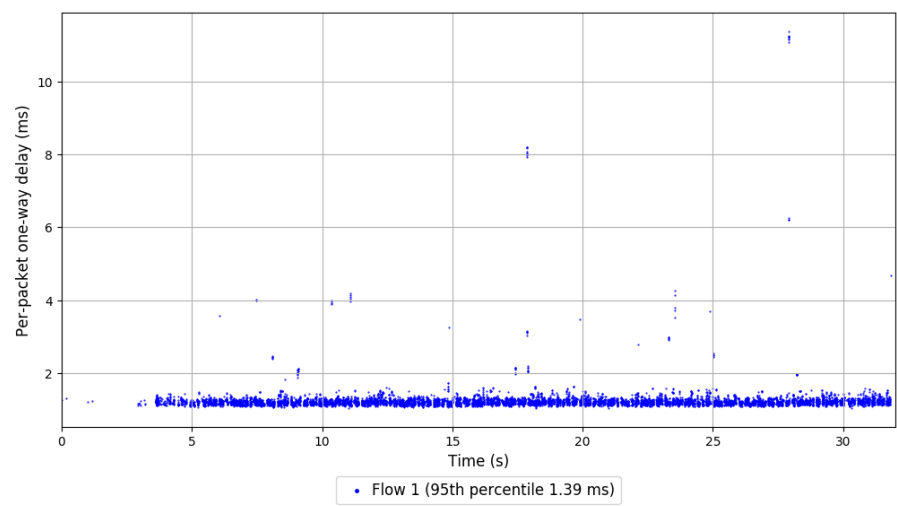
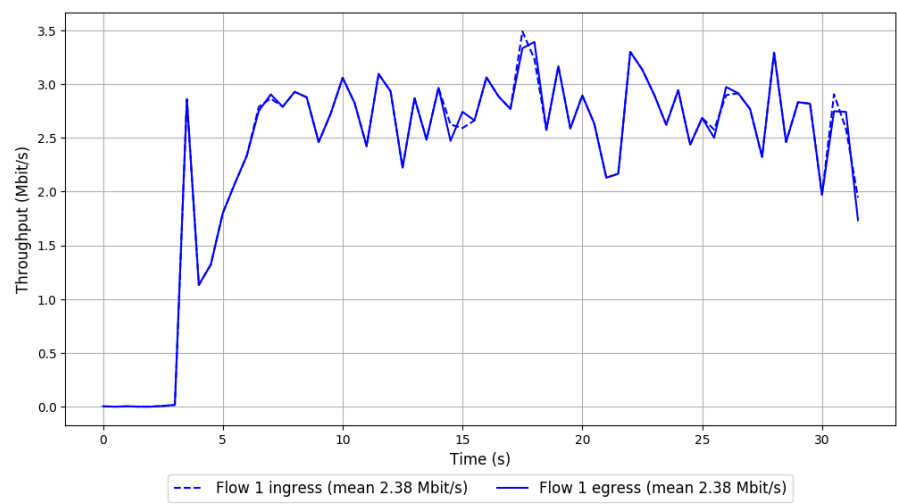
-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 1.387 ms

Loss rate: 0.14%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Tue, 25 Jul 2017 01:53:13 +0000

End at: Tue, 25 Jul 2017 01:53:43 +0000

Local clock offset: 0.235 ms

Remote clock offset: -1.959 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:27:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 1.315 ms

Loss rate: 0.14%

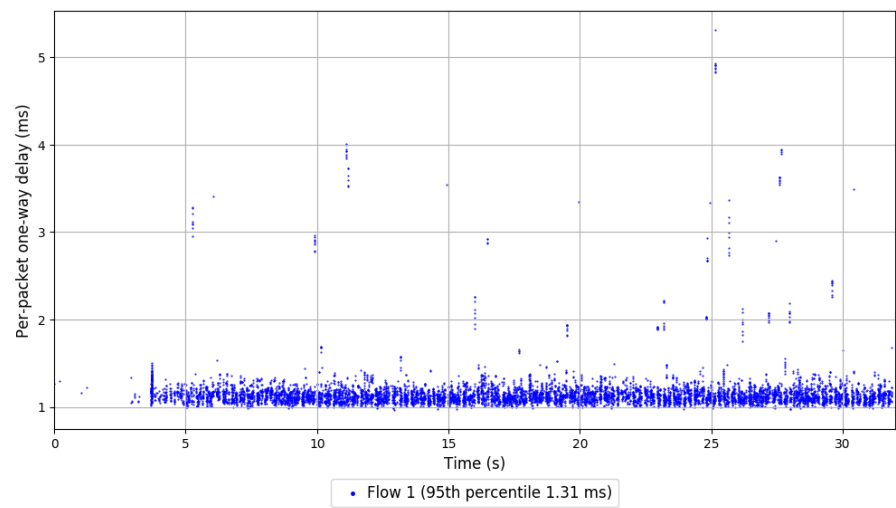
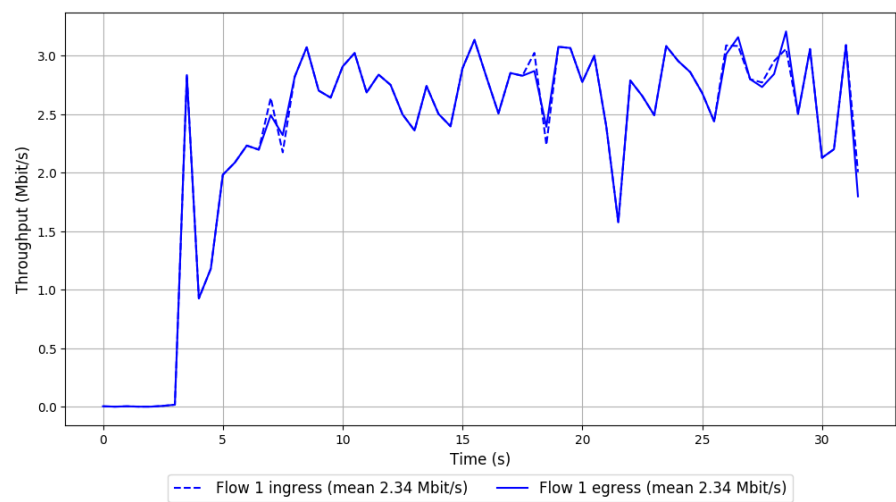
-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 1.315 ms

Loss rate: 0.14%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Tue, 25 Jul 2017 02:14:10 +0000

End at: Tue, 25 Jul 2017 02:14:41 +0000

Local clock offset: 0.318 ms

Remote clock offset: -2.325 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:27:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 1.287 ms

Loss rate: 0.01%

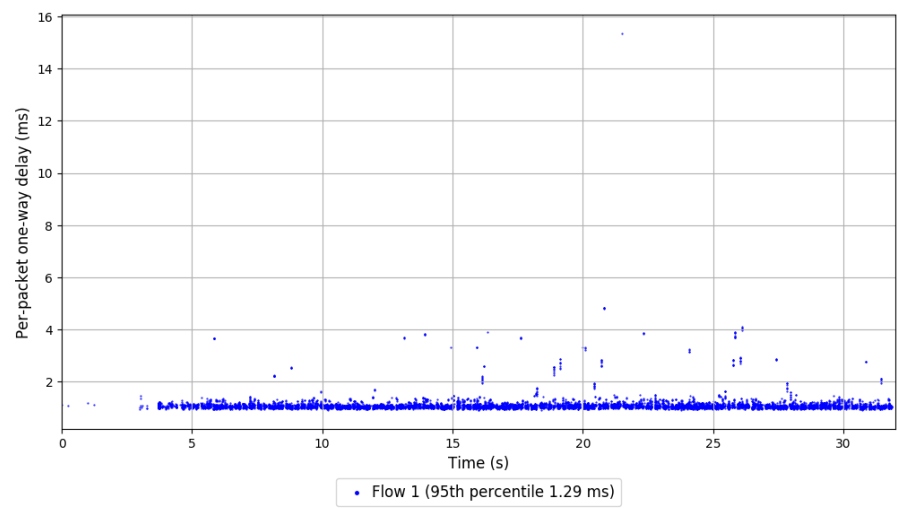
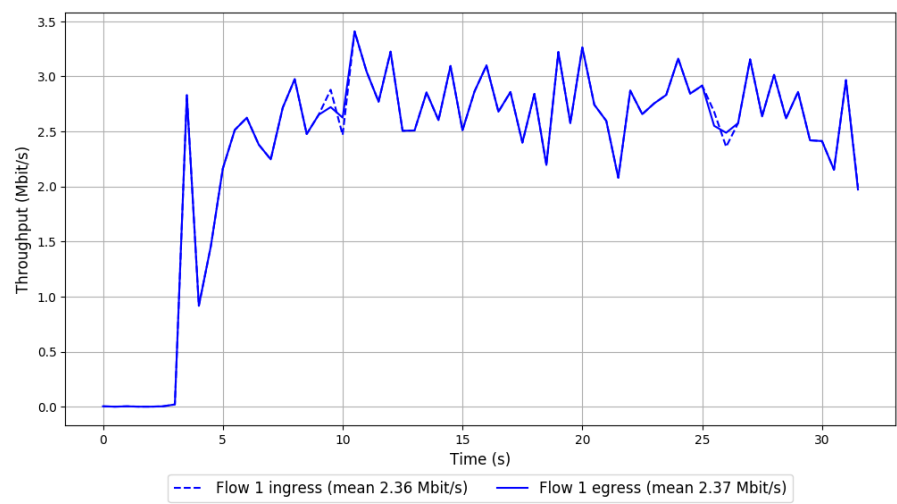
-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 1.287 ms

Loss rate: 0.01%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Tue, 25 Jul 2017 02:35:07 +0000

End at: Tue, 25 Jul 2017 02:35:37 +0000

Local clock offset: 0.513 ms

Remote clock offset: -2.361 ms

Below is generated by plot.py at Tue, 25 Jul 2017 05:27:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 1.219 ms

Loss rate: 0.17%

-- Flow 1:

Average throughput: 2.34 Mbit/s

95th percentile per-packet one-way delay: 1.219 ms

Loss rate: 0.17%

Run 10: Report of WebRTC media — Data Link

