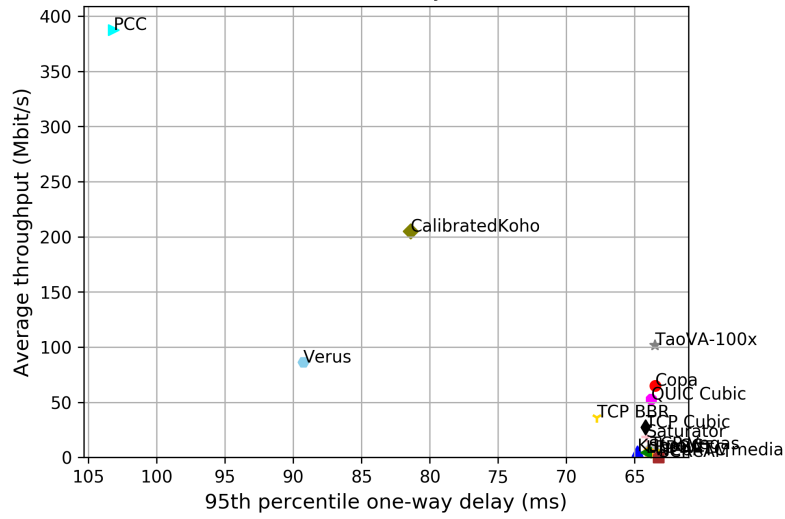


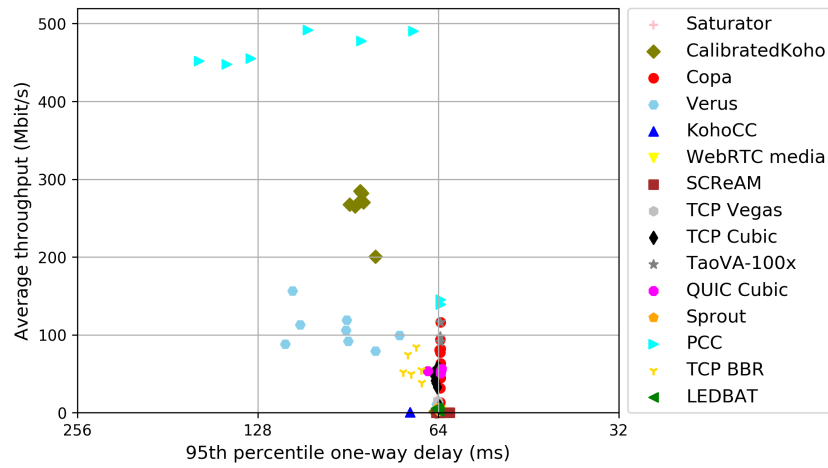
Pantheon Summary (Generated at Sun, 06 Aug 2017 21:29:40 +0000 with
pantheon version a934ee3822380a12762347e6bc8bd1f3e836e73b)
Repeated the test of 15 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Data path: GCE Iowa Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).

```
git branch: master @ a934ee3822380a12762347e6bc8bd1f3e836e73b
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/genericCC @ dae96123232f1bcb37725348fa2378691ce26725
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-stimuli @ fc73a85ca16c34366d1888dc8a0d0d88d4ebf2a7
third_party/pantheon-tunnel @ baf443516dea3eeddeccaf9b916cc313273ca4f4
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/webRTC @ a488197ddd041ace68a42849b2540ad834825f42
```

test from GCE Iowa Ethernet to GCE Tokyo Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Iowa Ethernet to GCE Tokyo Ethernet, 10 runs of 30s each per scheme



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	36.27	67.78	21.03
CalibratedKoho	10	204.86	81.41	16.95
Copa	10	64.86	63.50	2.07
TCP Cubic	10	27.39	64.21	1.66
KohoCC	10	5.73	64.82	36.89
LEDBAT	10	4.32	64.17	2.25
PCC	10	387.37	103.15	4.35
QUIC Cubic	10	52.73	63.80	0.00
Saturator	10	18.45	64.16	0.70
SCReAM	10	0.22	63.25	0.00
Sprout	10	5.30	63.98	5.13
TaoVA-100x	10	101.65	63.51	14.01
TCP Vegas	10	7.61	63.87	2.16
Verus	10	86.35	89.27	23.18
WebRTC media	10	2.23	63.58	0.01

Run 1: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 18:41:47 +0000

End at: Sun, 06 Aug 2017 18:42:17 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:11:42 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.49 Mbit/s

95th percentile per-packet one-way delay: 63.829 ms

Loss rate: 50.68%

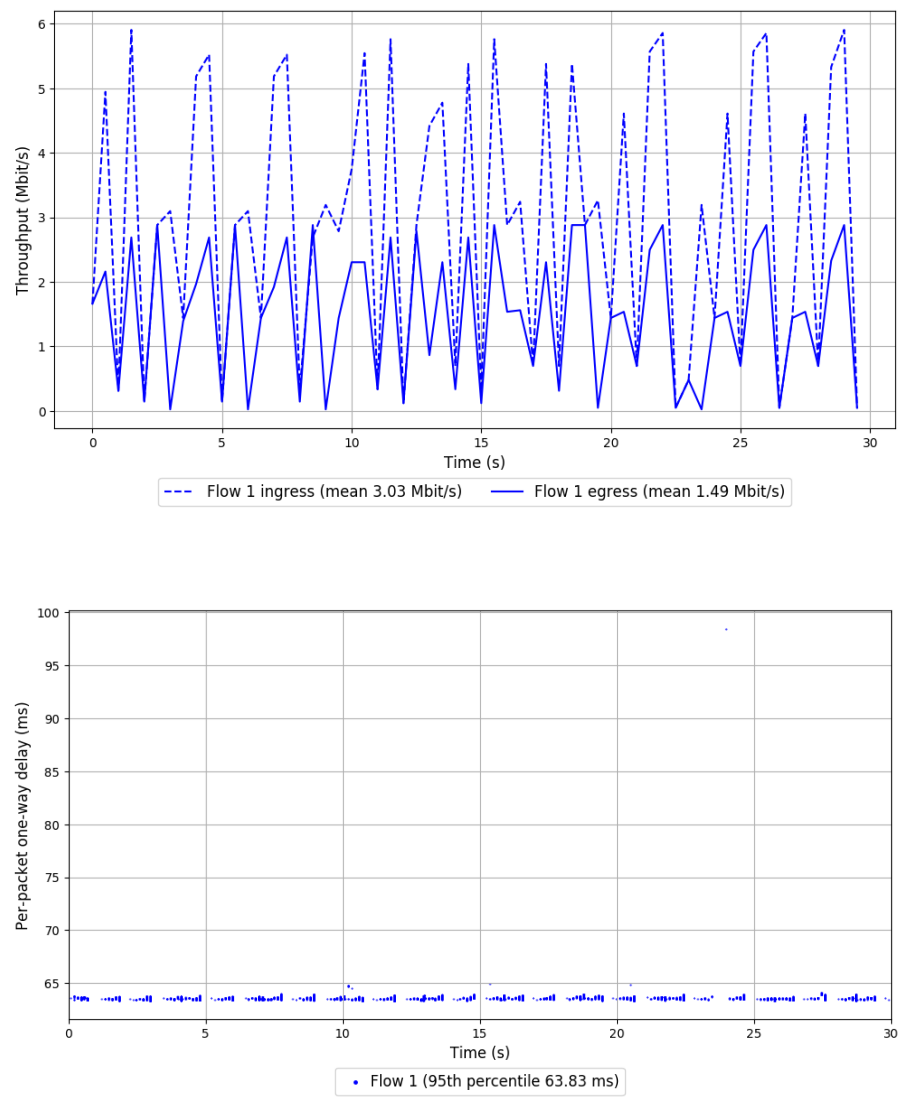
-- Flow 1:

Average throughput: 1.49 Mbit/s

95th percentile per-packet one-way delay: 63.829 ms

Loss rate: 50.68%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 18:52:01 +0000

End at: Sun, 06 Aug 2017 18:52:31 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:11:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.59 Mbit/s

95th percentile per-packet one-way delay: 68.198 ms

Loss rate: 24.77%

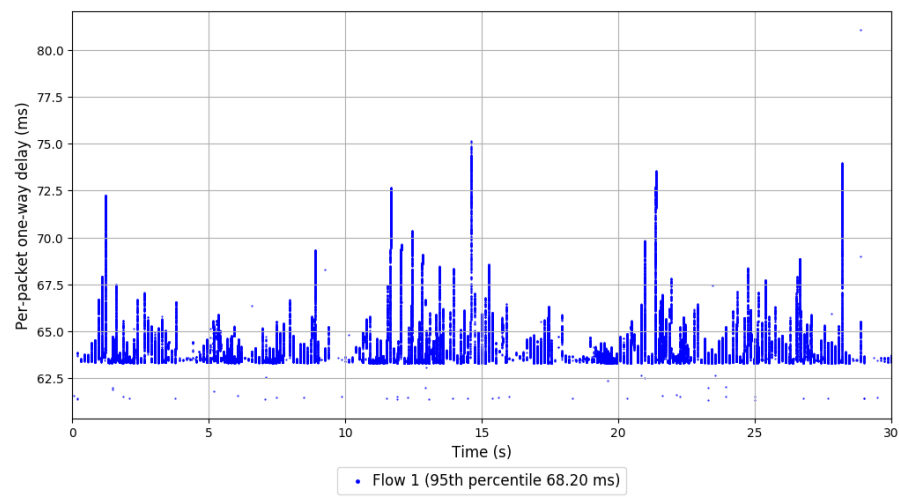
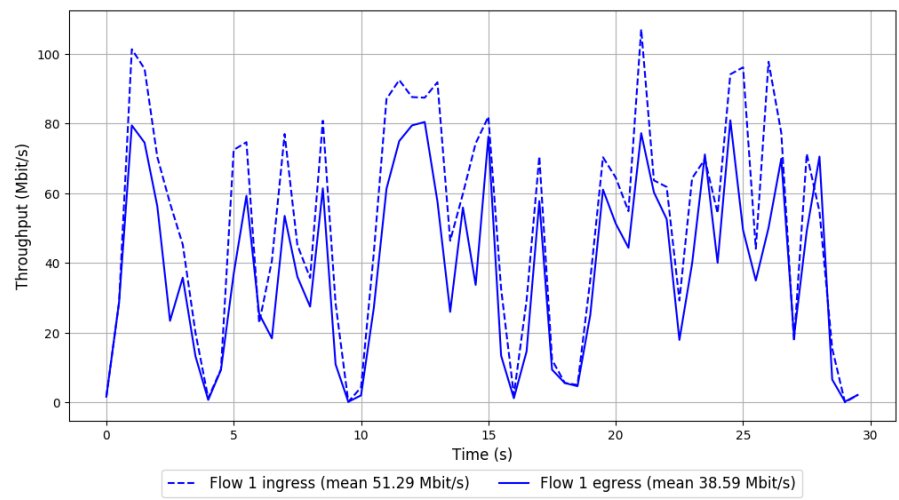
-- Flow 1:

Average throughput: 38.59 Mbit/s

95th percentile per-packet one-way delay: 68.198 ms

Loss rate: 24.77%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 19:02:36 +0000

End at: Sun, 06 Aug 2017 19:03:06 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:11:53 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.74 Mbit/s

95th percentile per-packet one-way delay: 71.050 ms

Loss rate: 19.50%

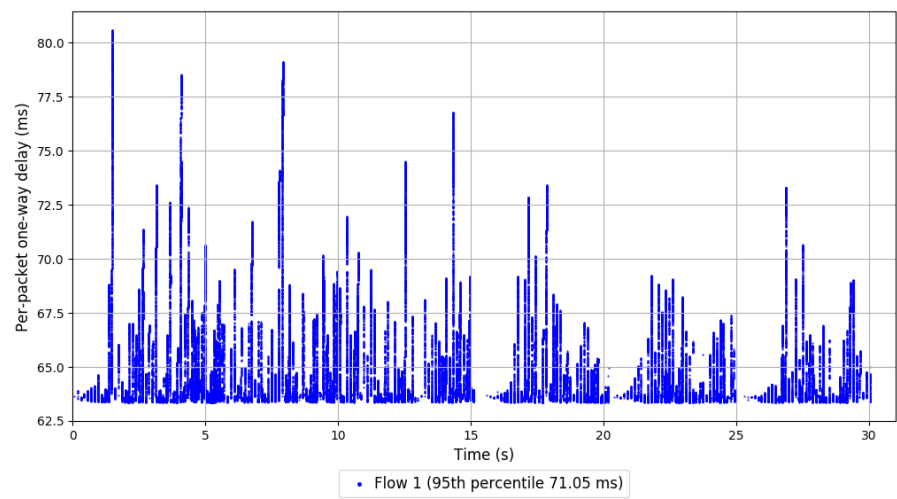
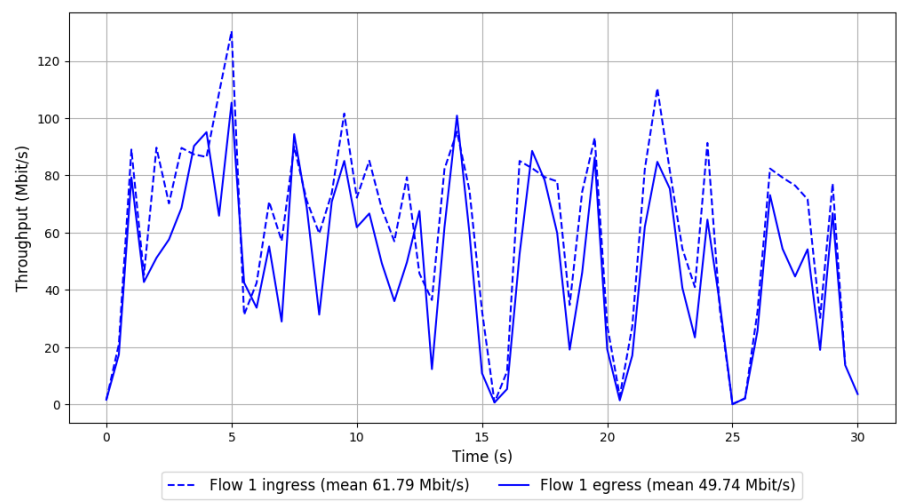
-- Flow 1:

Average throughput: 49.74 Mbit/s

95th percentile per-packet one-way delay: 71.050 ms

Loss rate: 19.50%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 19:12:36 +0000

End at: Sun, 06 Aug 2017 19:13:06 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:12:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.84 Mbit/s

95th percentile per-packet one-way delay: 68.272 ms

Loss rate: 15.02%

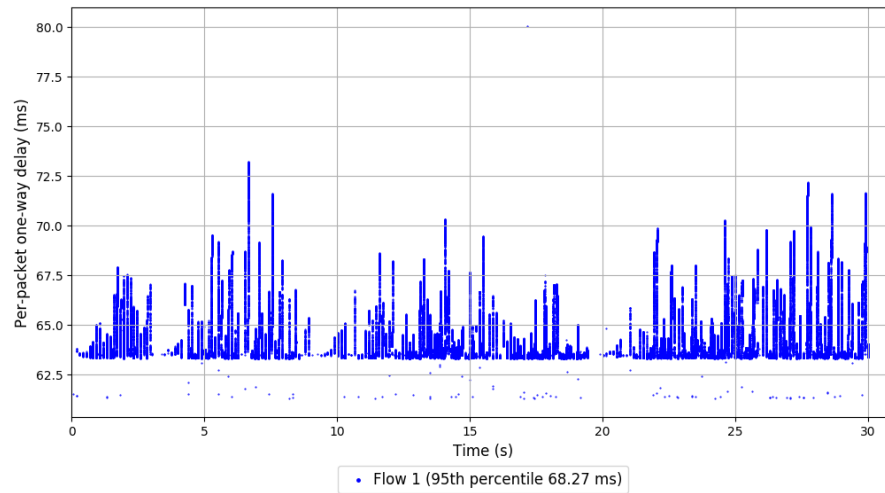
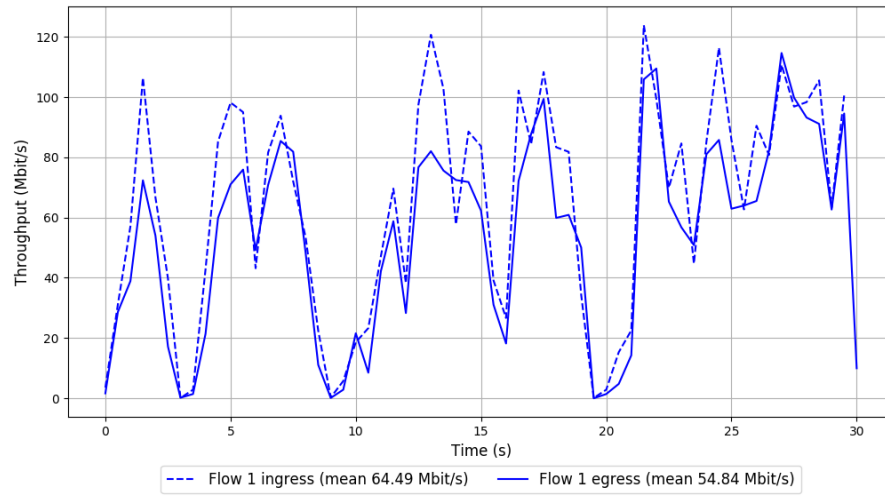
-- Flow 1:

Average throughput: 54.84 Mbit/s

95th percentile per-packet one-way delay: 68.272 ms

Loss rate: 15.02%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 19:22:58 +0000

End at: Sun, 06 Aug 2017 19:23:28 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:12:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.59 Mbit/s

95th percentile per-packet one-way delay: 63.780 ms

Loss rate: 18.25%

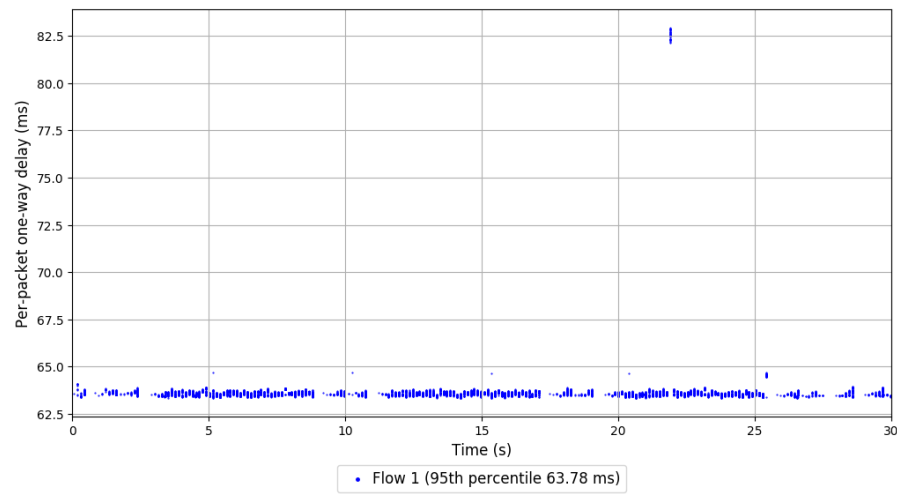
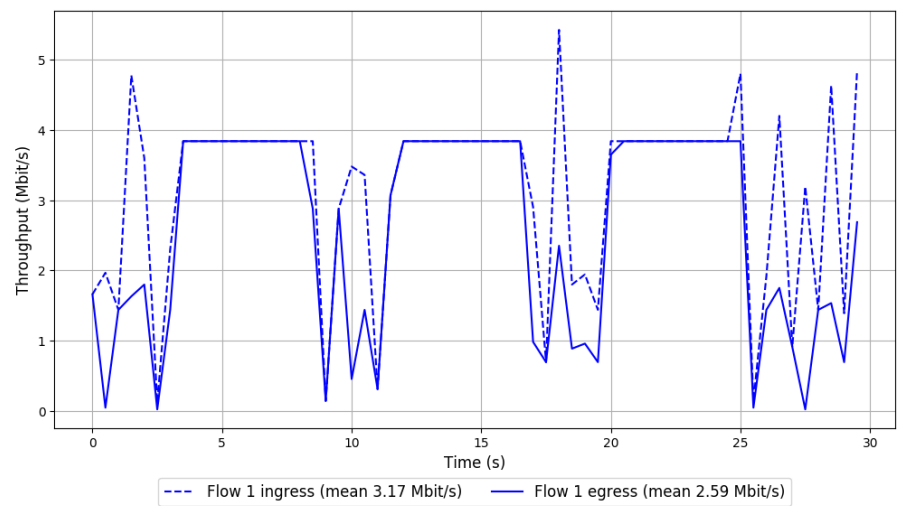
-- Flow 1:

Average throughput: 2.59 Mbit/s

95th percentile per-packet one-way delay: 63.780 ms

Loss rate: 18.25%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 19:33:25 +0000

End at: Sun, 06 Aug 2017 19:33:55 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:12:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.98 Mbit/s

95th percentile per-packet one-way delay: 63.836 ms

Loss rate: 18.13%

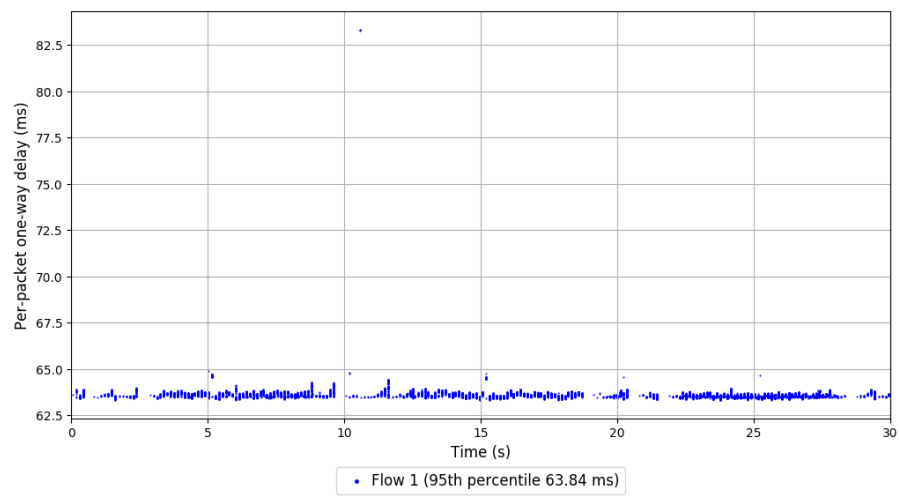
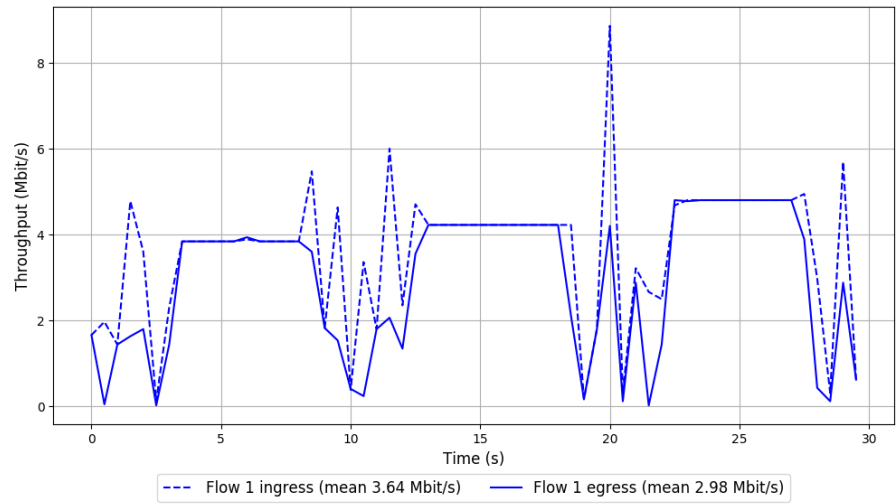
-- Flow 1:

Average throughput: 2.98 Mbit/s

95th percentile per-packet one-way delay: 63.836 ms

Loss rate: 18.13%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 19:43:23 +0000

End at: Sun, 06 Aug 2017 19:43:53 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:12:11 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.20 Mbit/s

95th percentile per-packet one-way delay: 69.616 ms

Loss rate: 1.66%

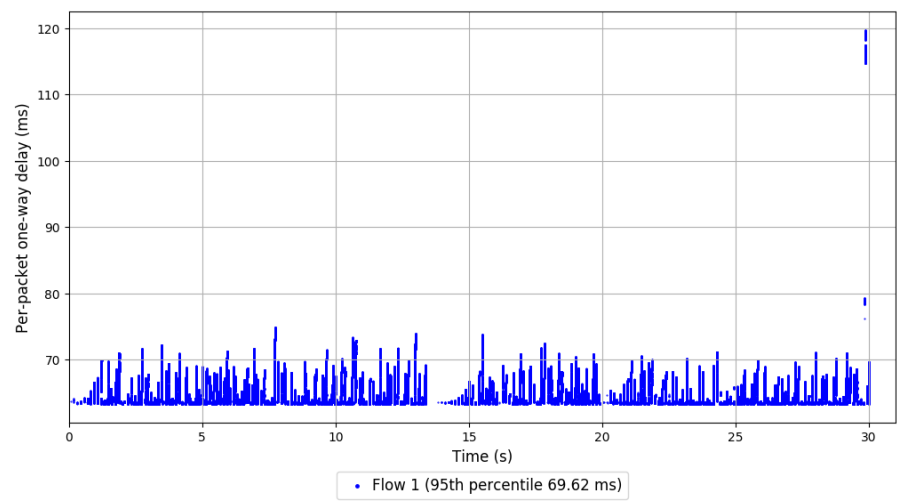
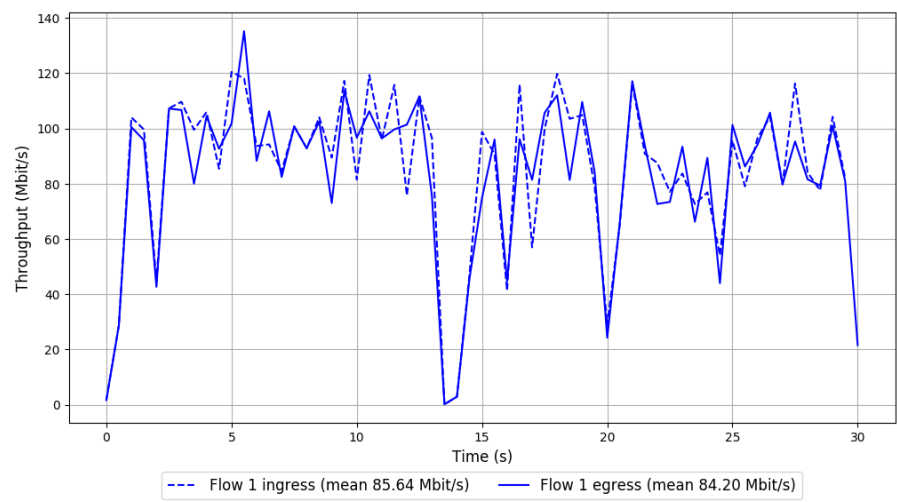
-- Flow 1:

Average throughput: 84.20 Mbit/s

95th percentile per-packet one-way delay: 69.616 ms

Loss rate: 1.66%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 19:53:54 +0000

End at: Sun, 06 Aug 2017 19:54:24 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:12:23 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 74.34 Mbit/s

95th percentile per-packet one-way delay: 71.945 ms

Loss rate: 7.52%

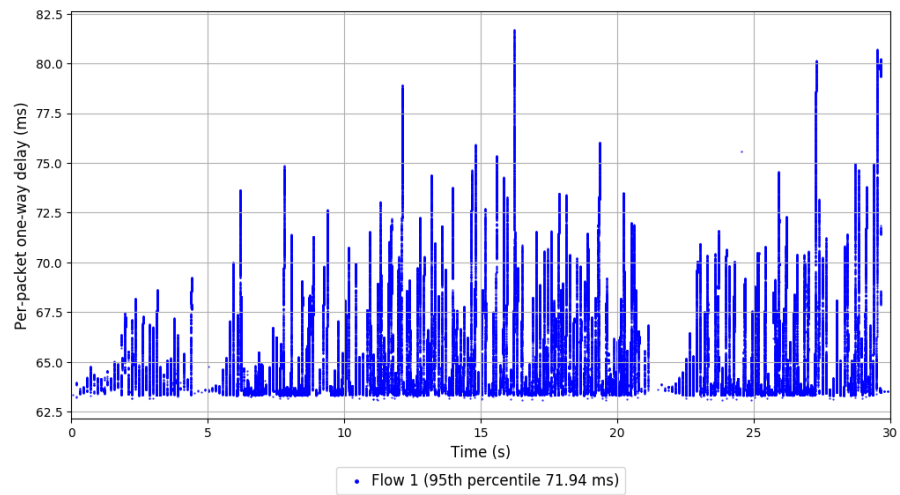
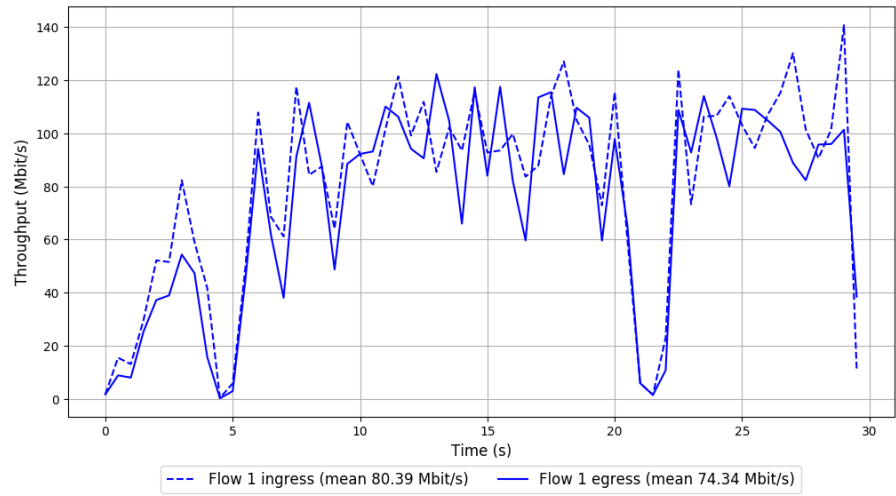
-- Flow 1:

Average throughput: 74.34 Mbit/s

95th percentile per-packet one-way delay: 71.945 ms

Loss rate: 7.52%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 20:04:20 +0000

End at: Sun, 06 Aug 2017 20:04:50 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:12:23 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 64.044 ms

Loss rate: 41.56%

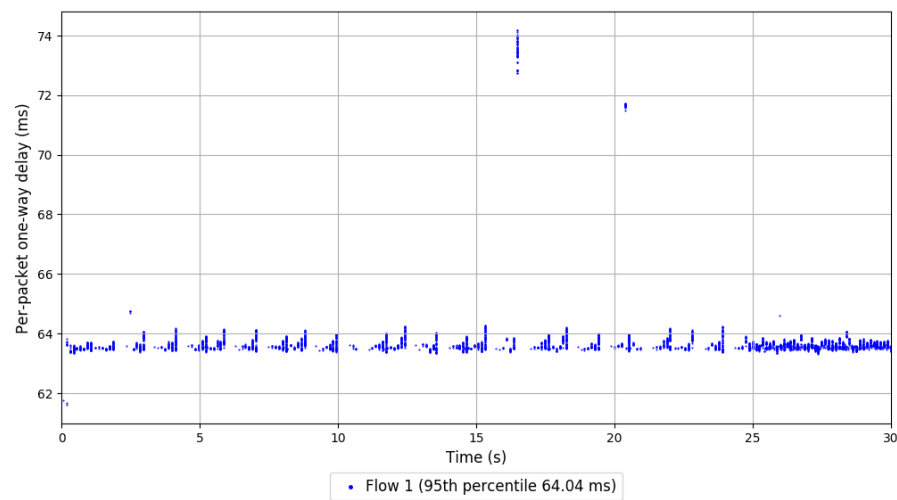
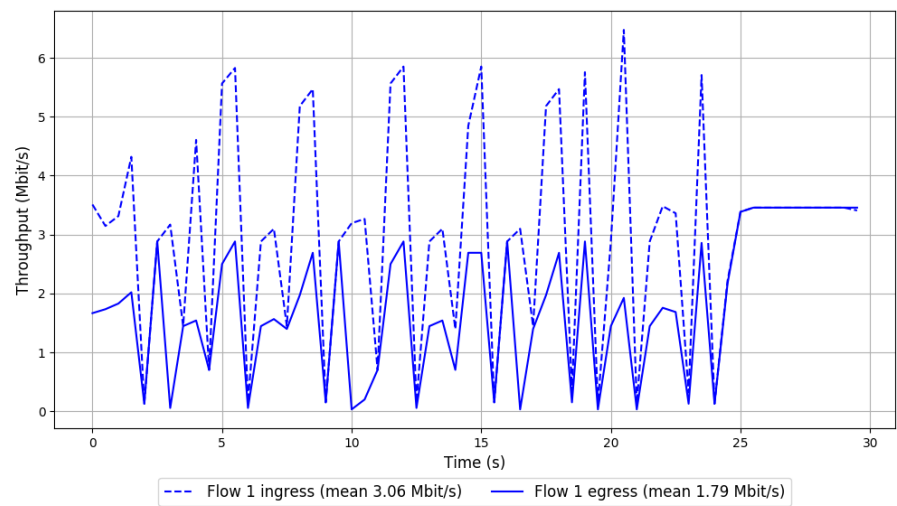
-- Flow 1:

Average throughput: 1.79 Mbit/s

95th percentile per-packet one-way delay: 64.044 ms

Loss rate: 41.56%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 20:14:57 +0000

End at: Sun, 06 Aug 2017 20:15:27 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:12:24 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.12 Mbit/s

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

Loss rate: 13.17%

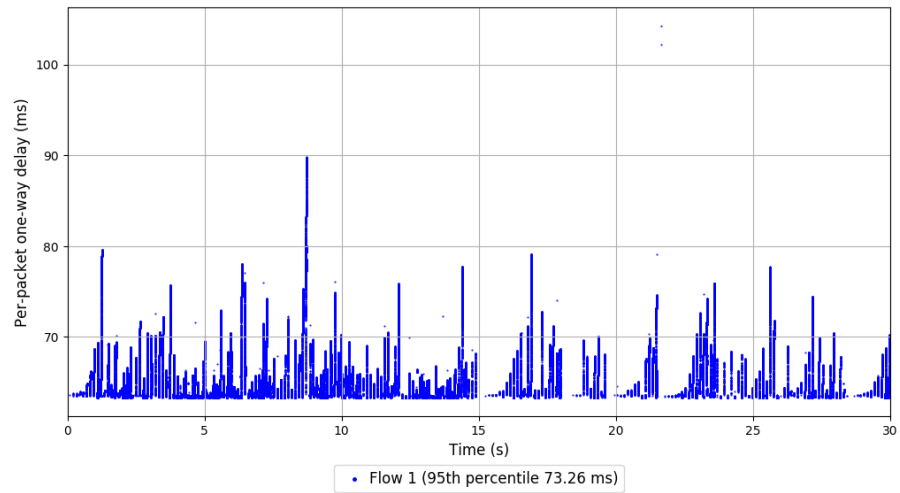
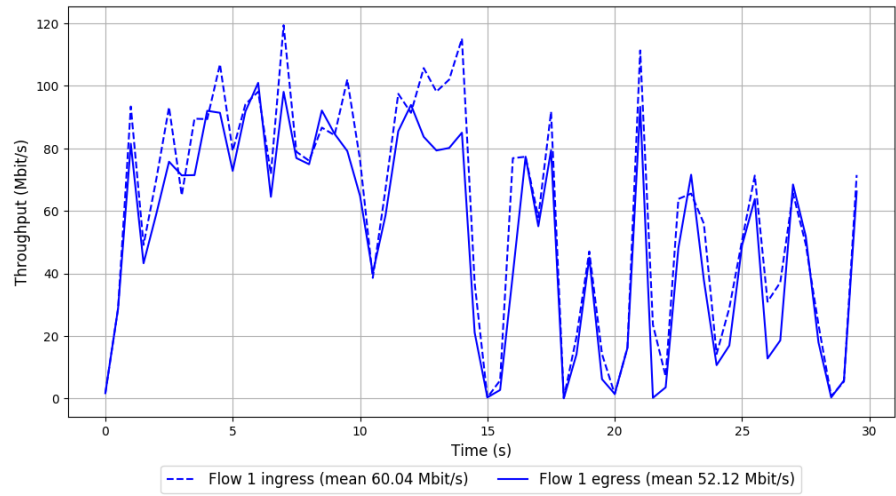
-- Flow 1:

Average throughput: 52.12 Mbit/s

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

Loss rate: 13.17%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 18:43:02 +0000

End at: Sun, 06 Aug 2017 18:43:32 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:13:17 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 281.77 Mbit/s

95th percentile per-packet one-way delay: 85.847 ms

Loss rate: 0.94%

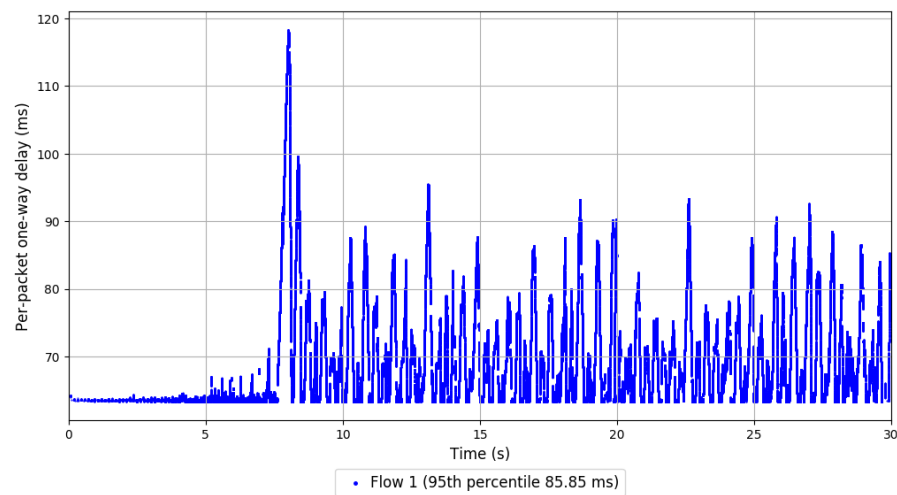
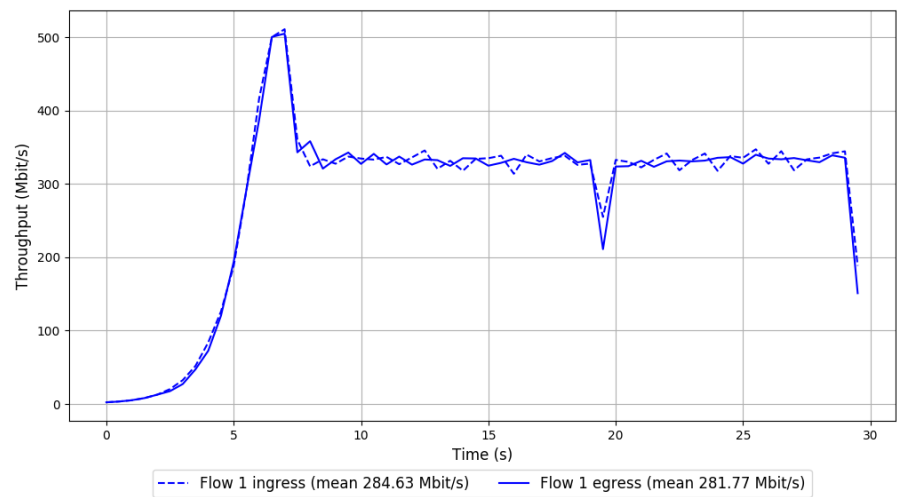
-- Flow 1:

Average throughput: 281.77 Mbit/s

95th percentile per-packet one-way delay: 85.847 ms

Loss rate: 0.94%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 18:53:19 +0000

End at: Sun, 06 Aug 2017 18:53:49 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:13:17 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.41 Mbit/s

95th percentile per-packet one-way delay: 81.514 ms

Loss rate: 7.97%

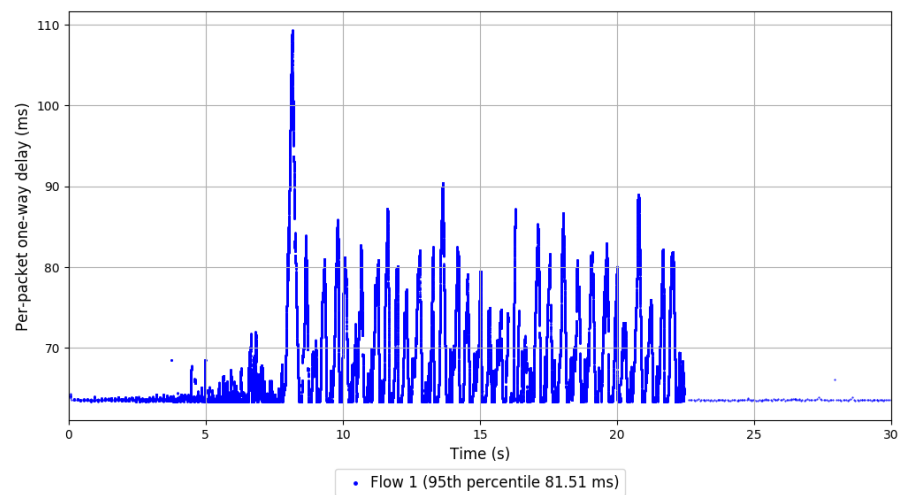
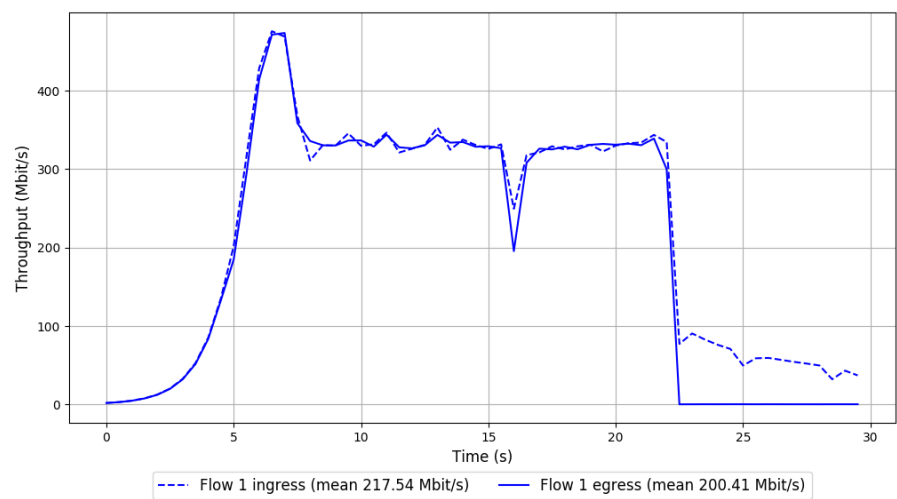
-- Flow 1:

Average throughput: 200.41 Mbit/s

95th percentile per-packet one-way delay: 81.514 ms

Loss rate: 7.97%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 19:03:56 +0000

End at: Sun, 06 Aug 2017 19:04:26 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:13:17 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 64.675 ms

Loss rate: 68.96%

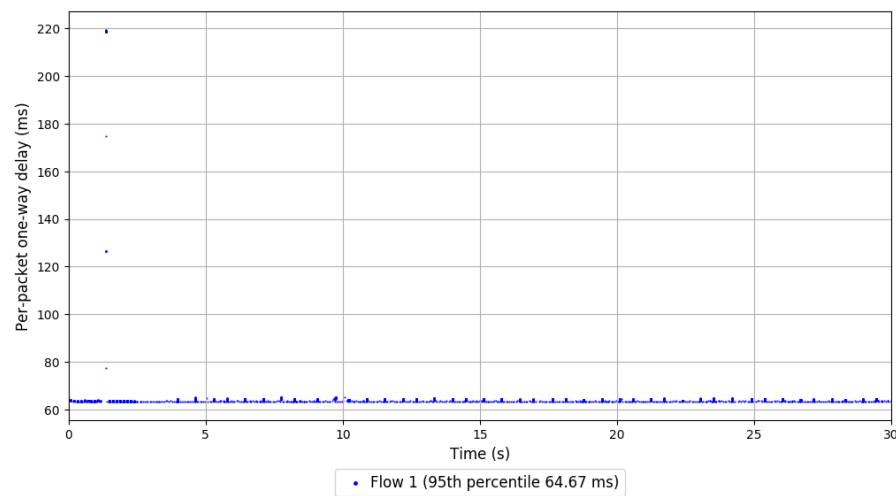
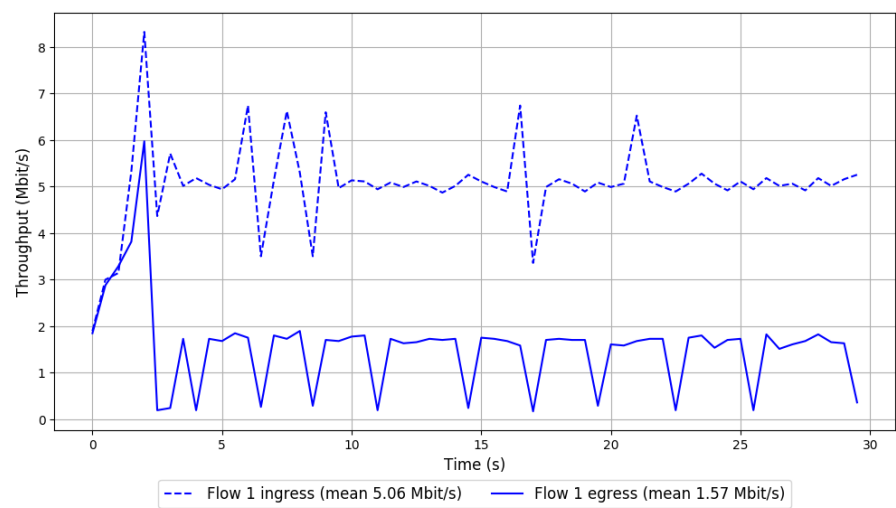
-- Flow 1:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 64.675 ms

Loss rate: 68.96%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 19:13:56 +0000

End at: Sun, 06 Aug 2017 19:14:26 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:14:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 267.61 Mbit/s

95th percentile per-packet one-way delay: 89.919 ms

Loss rate: 1.95%

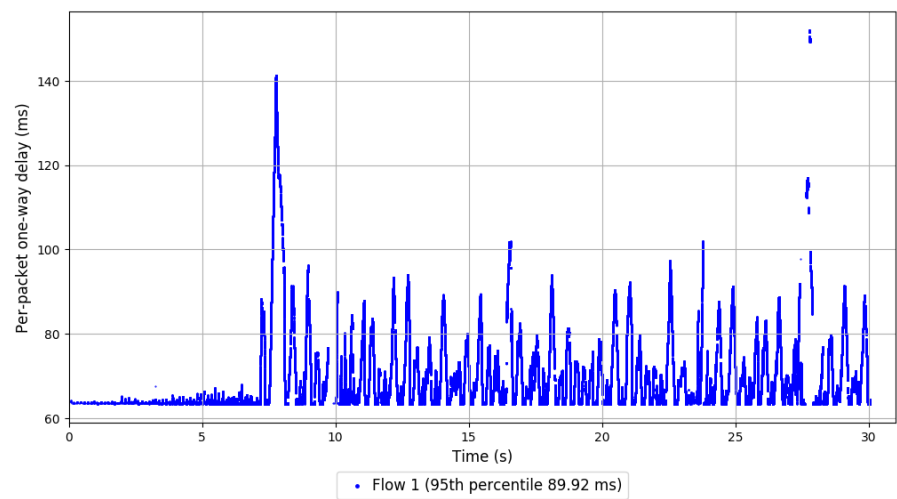
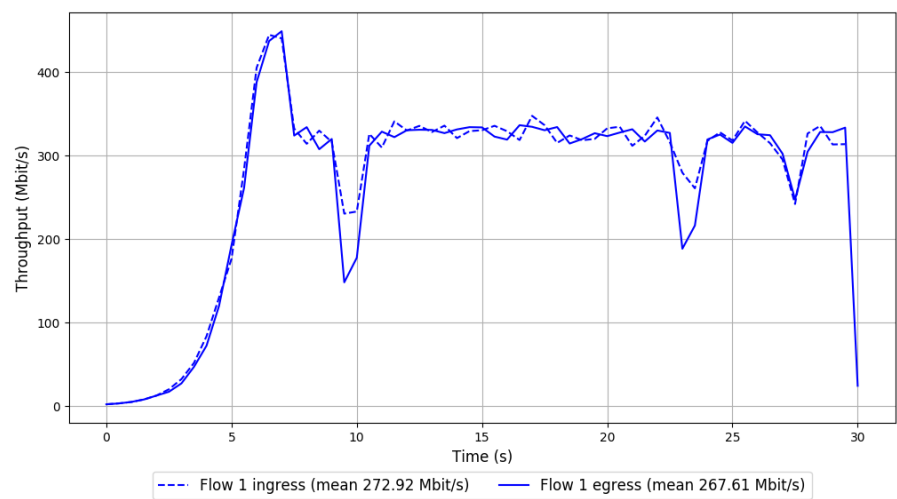
-- Flow 1:

Average throughput: 267.61 Mbit/s

95th percentile per-packet one-way delay: 89.919 ms

Loss rate: 1.95%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 19:24:14 +0000

End at: Sun, 06 Aug 2017 19:24:44 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:14:10 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 270.17 Mbit/s

95th percentile per-packet one-way delay: 85.280 ms

Loss rate: 0.92%

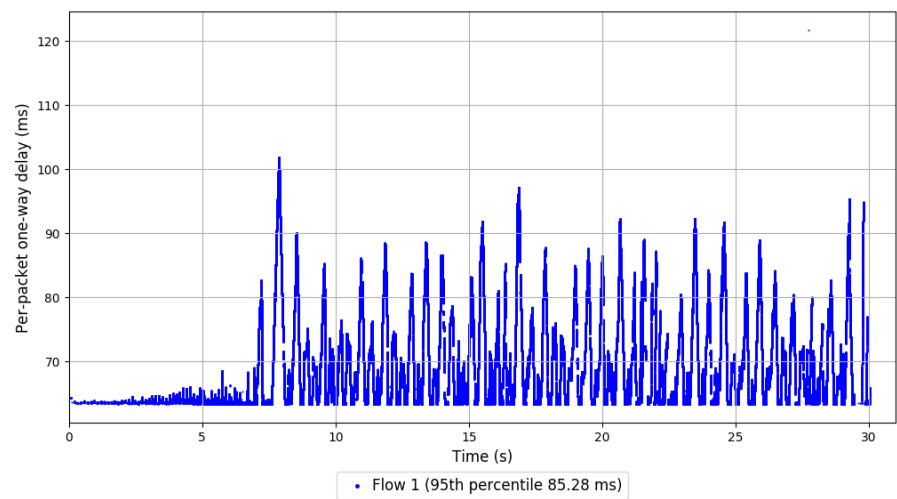
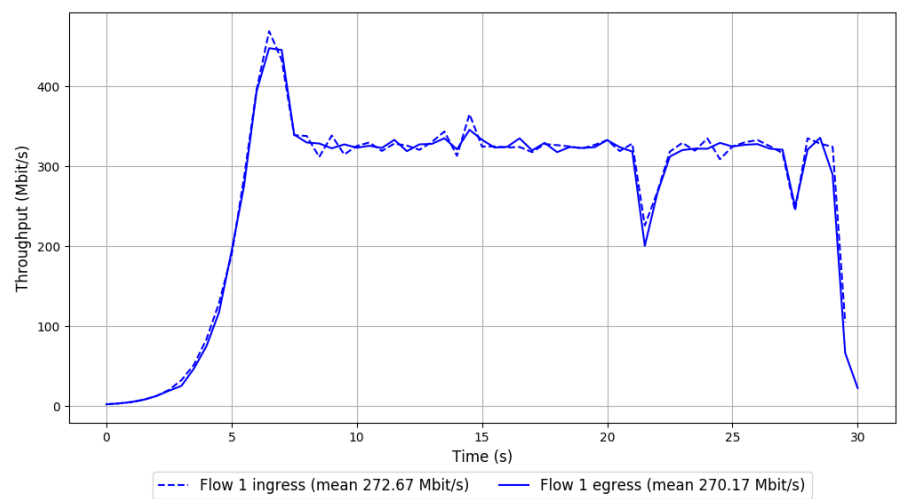
-- Flow 1:

Average throughput: 270.17 Mbit/s

95th percentile per-packet one-way delay: 85.280 ms

Loss rate: 0.92%

Run 5: Report of CalibratedKoho — Data Link

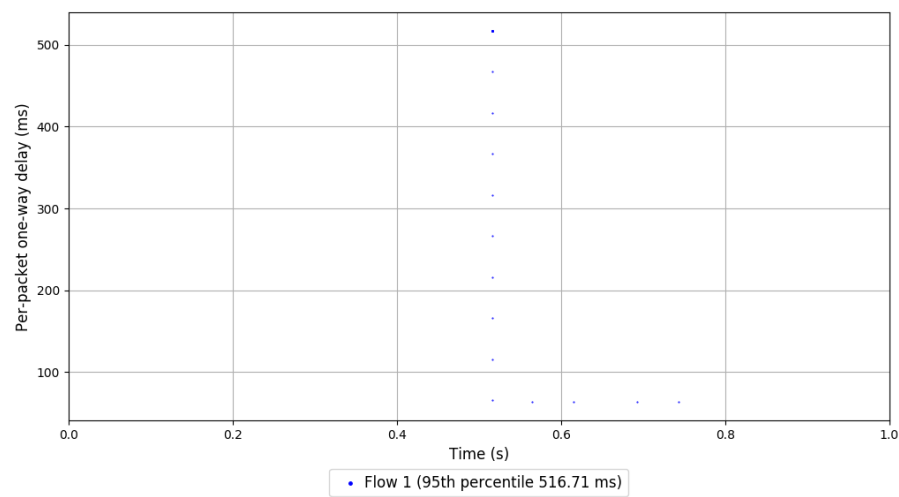
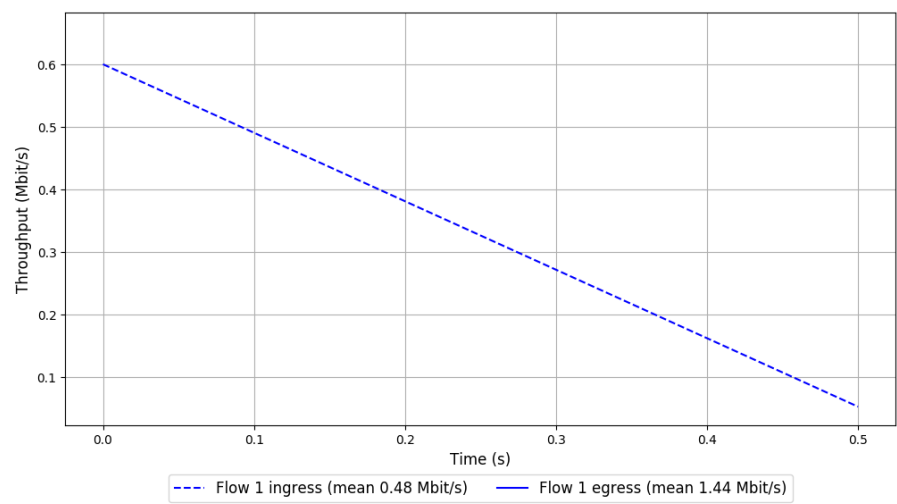


Run 6: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 19:34:41 +0000

End at: Sun, 06 Aug 2017 19:35:11 +0000

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 19:44:44 +0000

End at: Sun, 06 Aug 2017 19:45:14 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:14:55 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 284.59 Mbit/s

95th percentile per-packet one-way delay: 86.405 ms

Loss rate: 2.03%

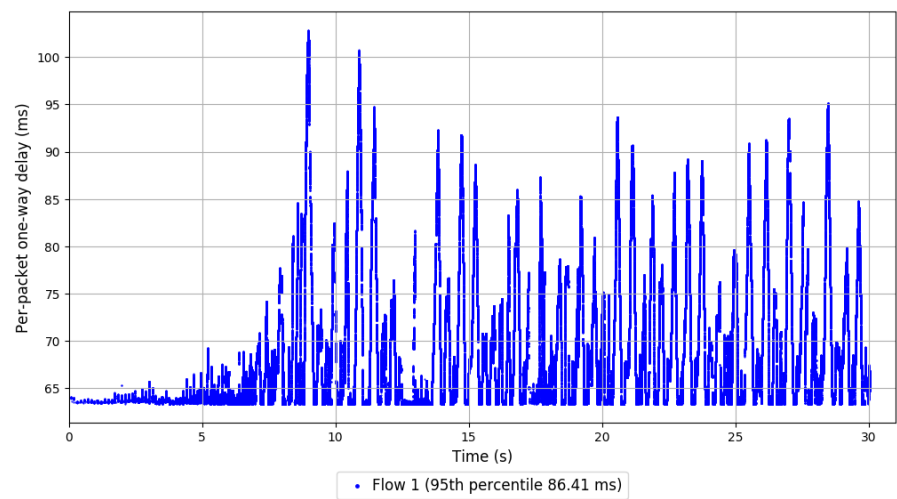
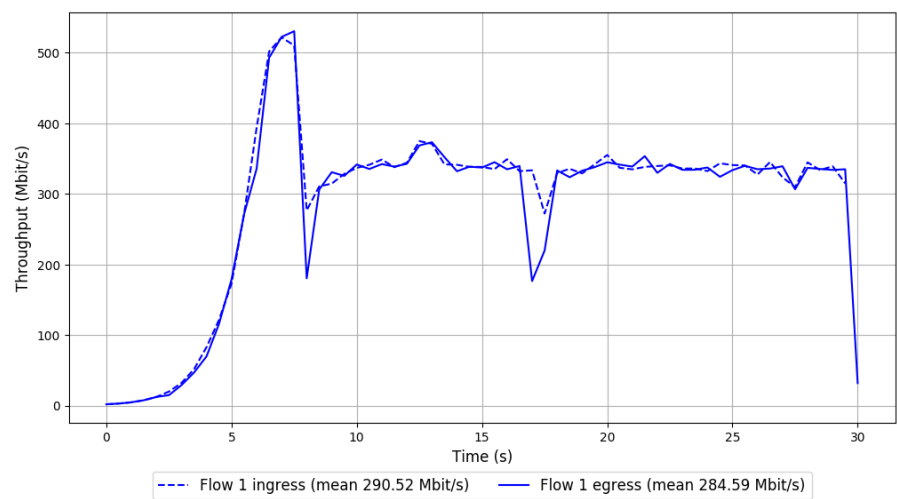
-- Flow 1:

Average throughput: 284.59 Mbit/s

95th percentile per-packet one-way delay: 86.405 ms

Loss rate: 2.03%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 19:55:15 +0000

End at: Sun, 06 Aug 2017 19:55:45 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:15:07 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 264.97 Mbit/s

95th percentile per-packet one-way delay: 88.118 ms

Loss rate: 0.00%

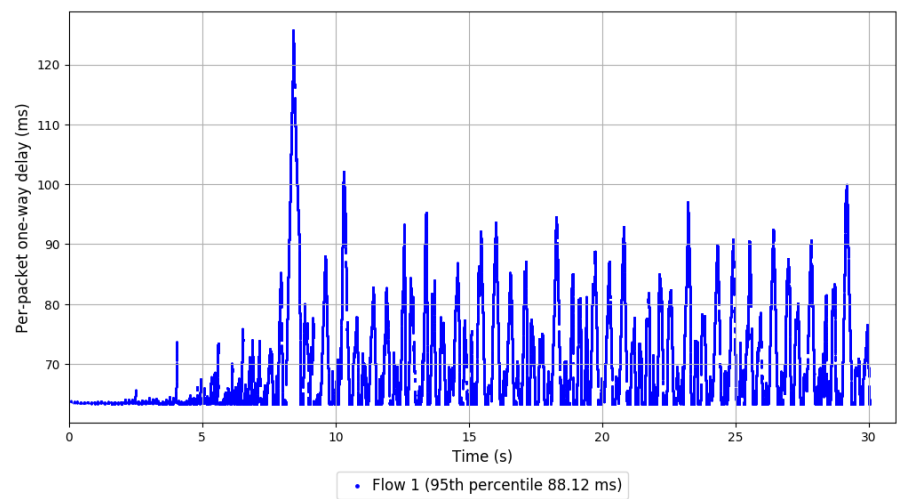
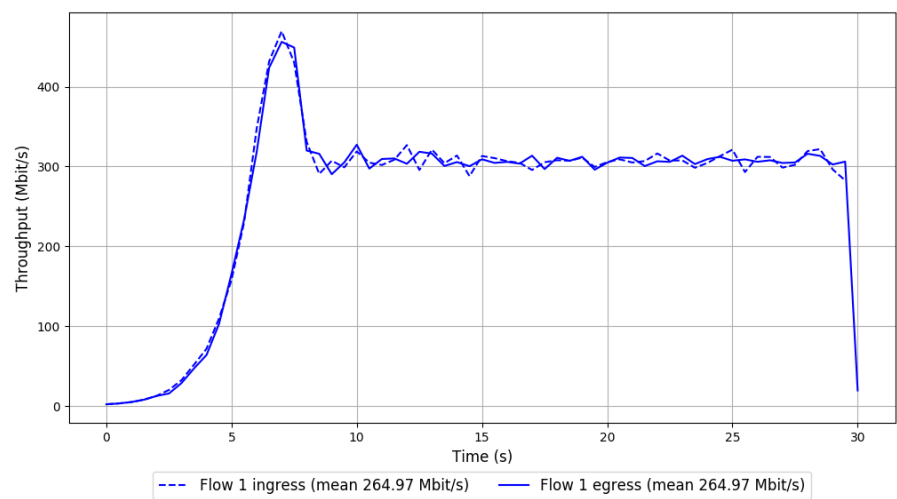
-- Flow 1:

Average throughput: 264.97 Mbit/s

95th percentile per-packet one-way delay: 88.118 ms

Loss rate: 0.00%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 20:05:35 +0000

End at: Sun, 06 Aug 2017 20:06:05 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:15:42 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 271.08 Mbit/s

95th percentile per-packet one-way delay: 86.510 ms

Loss rate: 0.10%

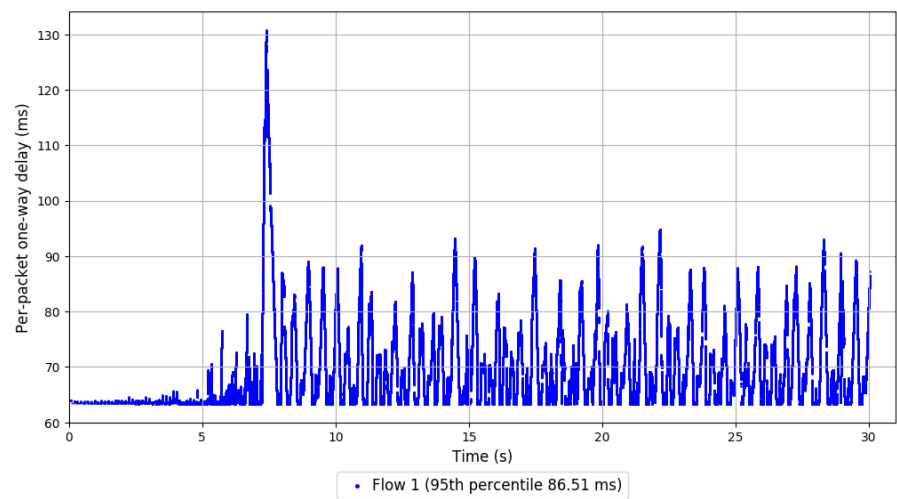
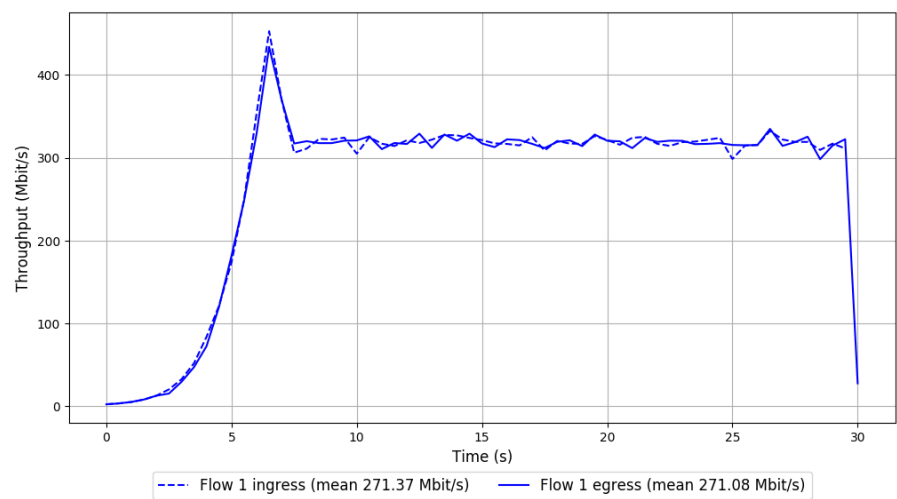
-- Flow 1:

Average throughput: 271.08 Mbit/s

95th percentile per-packet one-way delay: 86.510 ms

Loss rate: 0.10%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 20:16:17 +0000

End at: Sun, 06 Aug 2017 20:16:47 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:15:42 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 64.428 ms

Loss rate: 69.66%

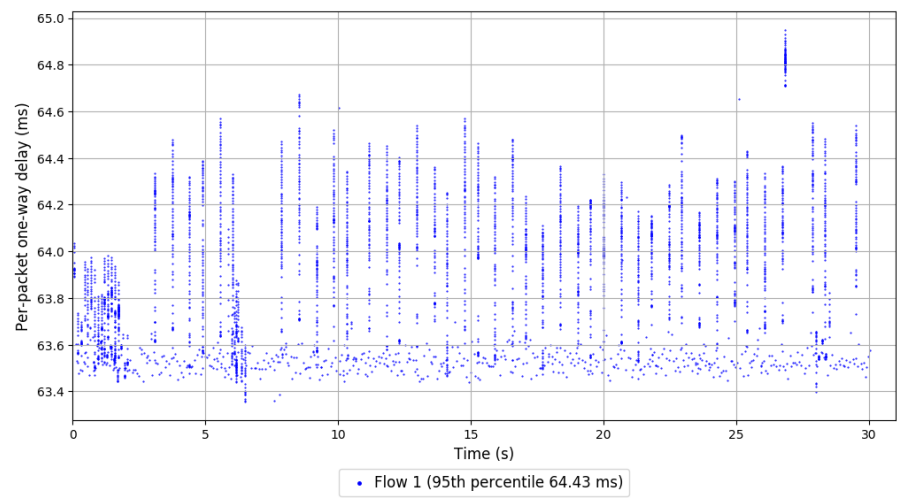
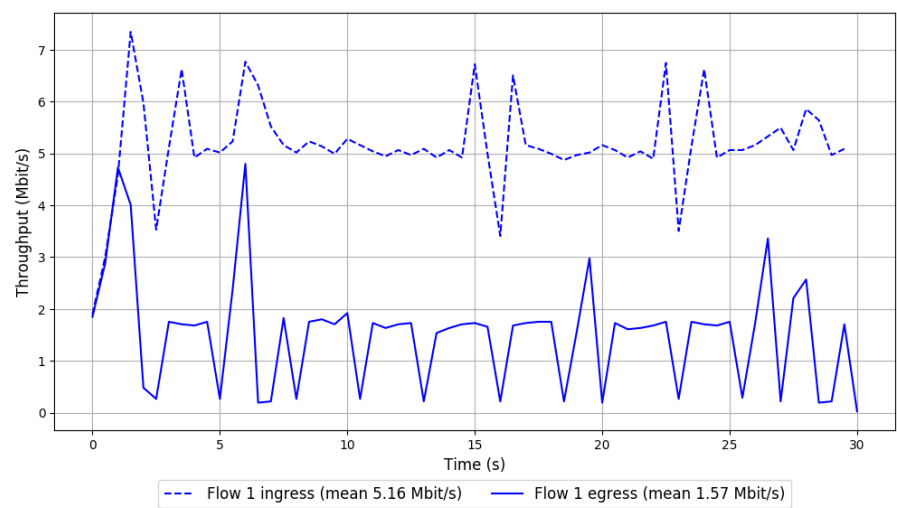
-- Flow 1:

Average throughput: 1.57 Mbit/s

95th percentile per-packet one-way delay: 64.428 ms

Loss rate: 69.66%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Sun, 06 Aug 2017 18:45:32 +0000

End at: Sun, 06 Aug 2017 18:46:02 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:15:42 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 80.47 Mbit/s

95th percentile per-packet one-way delay: 63.666 ms

Loss rate: 0.00%

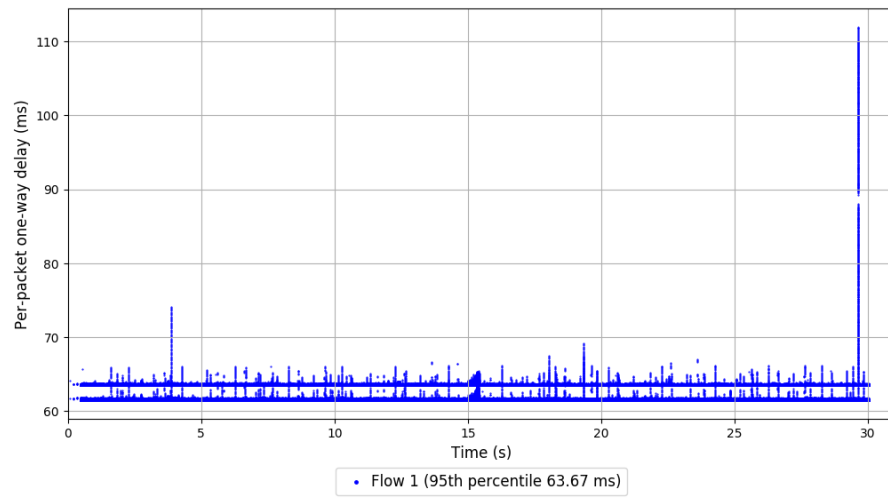
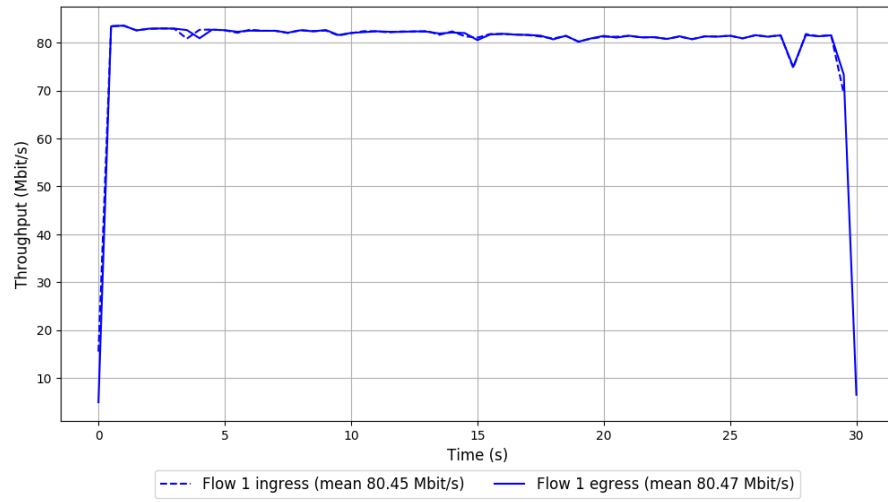
-- Flow 1:

Average throughput: 80.47 Mbit/s

95th percentile per-packet one-way delay: 63.666 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Sun, 06 Aug 2017 18:55:45 +0000

End at: Sun, 06 Aug 2017 18:56:15 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:16:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.50 Mbit/s

95th percentile per-packet one-way delay: 63.510 ms

Loss rate: 0.00%

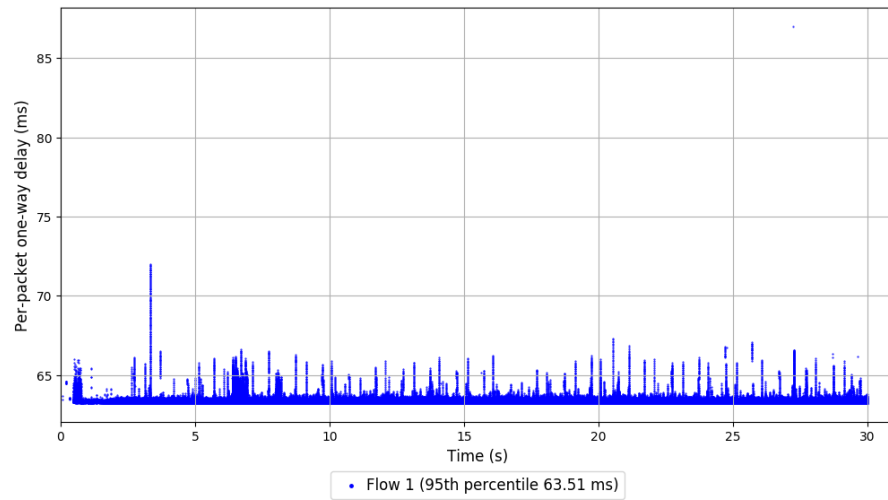
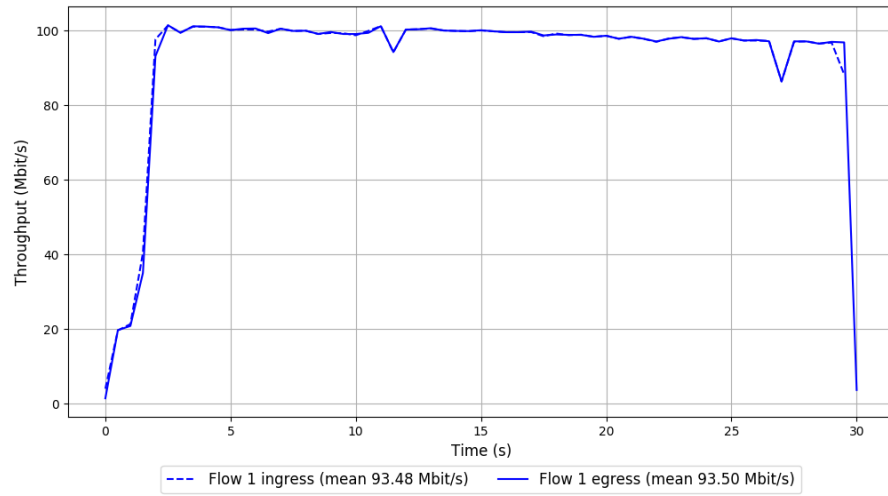
-- Flow 1:

Average throughput: 93.50 Mbit/s

95th percentile per-packet one-way delay: 63.510 ms

Loss rate: 0.00%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Sun, 06 Aug 2017 19:05:55 +0000

End at: Sun, 06 Aug 2017 19:06:25 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:16:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 77.29 Mbit/s

95th percentile per-packet one-way delay: 63.495 ms

Loss rate: 0.28%

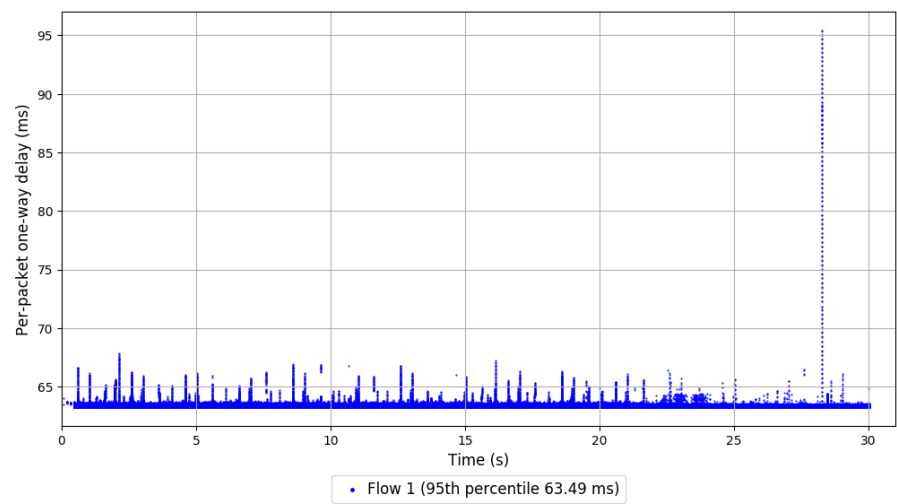
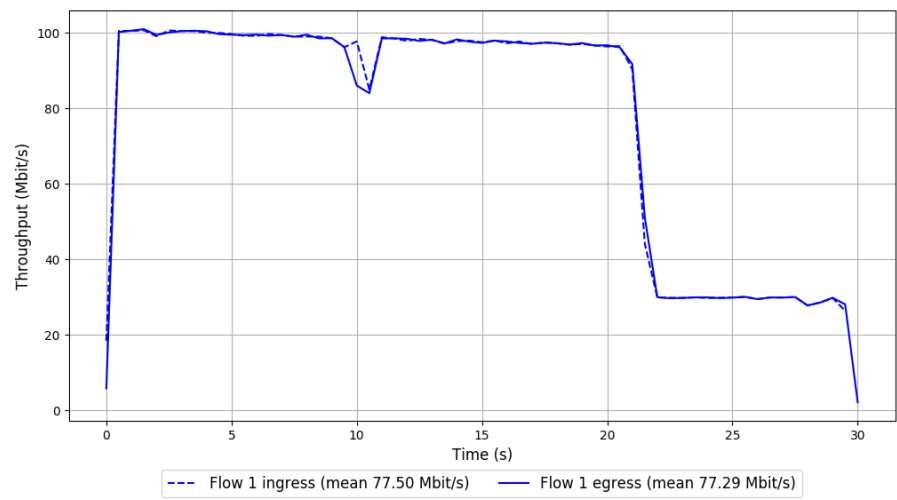
-- Flow 1:

Average throughput: 77.29 Mbit/s

95th percentile per-packet one-way delay: 63.495 ms

Loss rate: 0.28%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Sun, 06 Aug 2017 19:16:24 +0000

End at: Sun, 06 Aug 2017 19:16:54 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:16:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.39 Mbit/s

95th percentile per-packet one-way delay: 63.493 ms

Loss rate: 0.00%

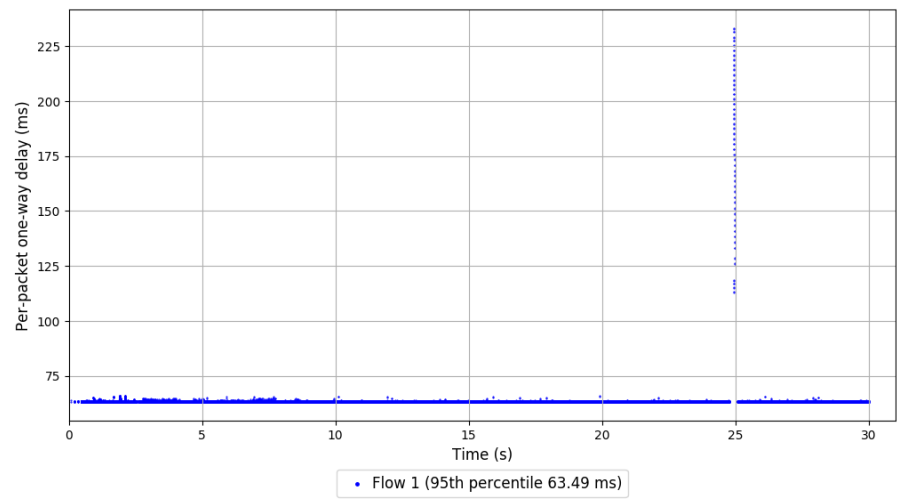
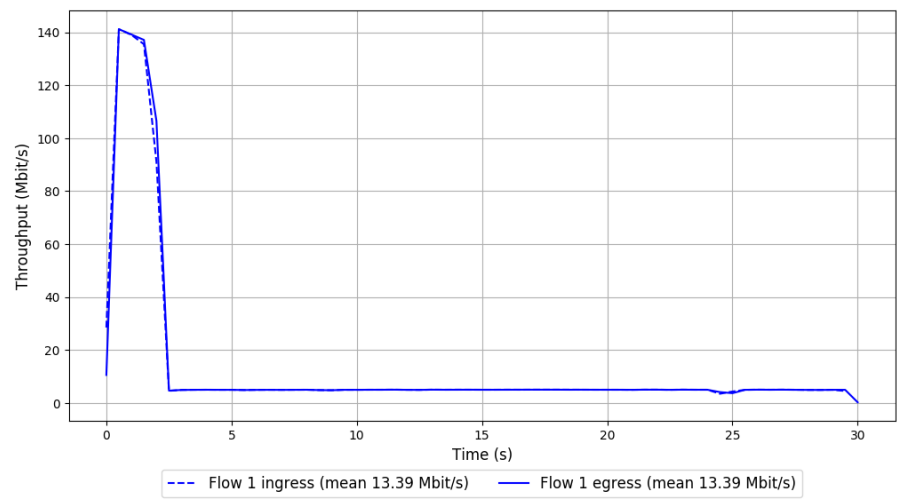
-- Flow 1:

Average throughput: 13.39 Mbit/s

95th percentile per-packet one-way delay: 63.493 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Sun, 06 Aug 2017 19:26:43 +0000

End at: Sun, 06 Aug 2017 19:27:13 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:16:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 46.52 Mbit/s

95th percentile per-packet one-way delay: 63.506 ms

Loss rate: 18.34%

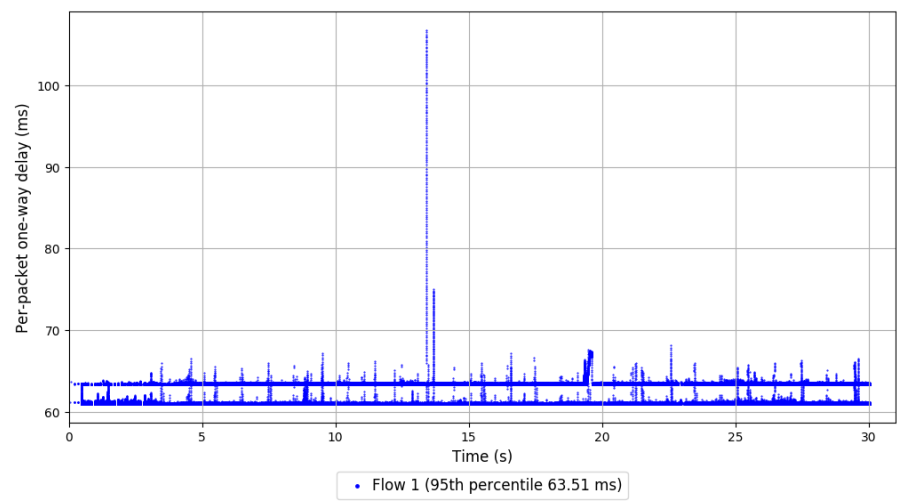
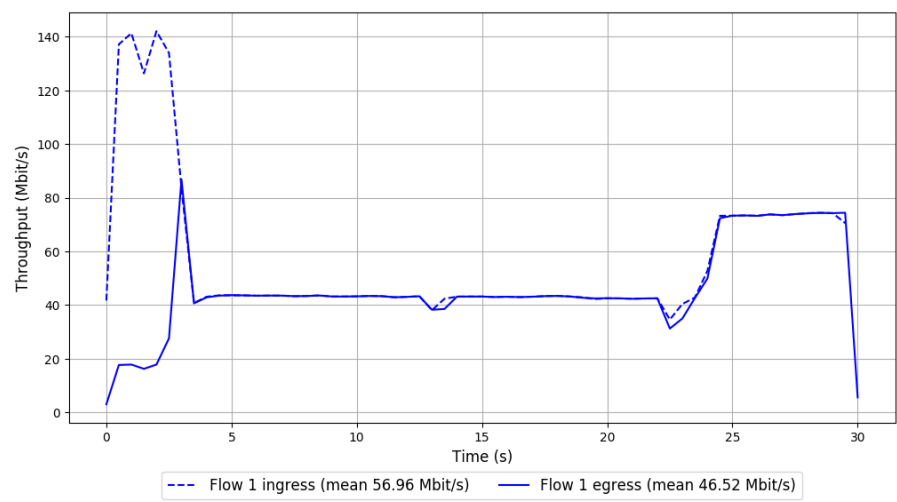
-- Flow 1:

Average throughput: 46.52 Mbit/s

95th percentile per-packet one-way delay: 63.506 ms

Loss rate: 18.34%

Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Sun, 06 Aug 2017 19:36:39 +0000

End at: Sun, 06 Aug 2017 19:37:09 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:16:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 82.06 Mbit/s

95th percentile per-packet one-way delay: 63.463 ms

Loss rate: 0.03%

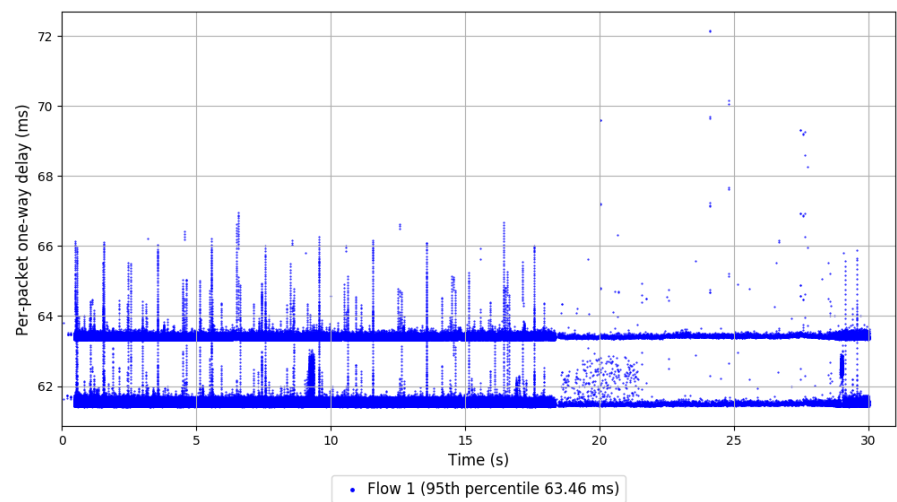
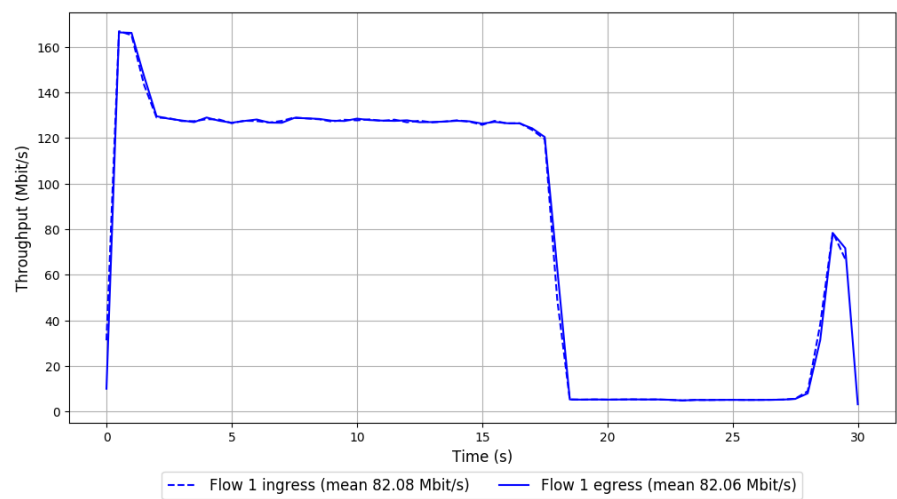
-- Flow 1:

Average throughput: 82.06 Mbit/s

95th percentile per-packet one-way delay: 63.463 ms

Loss rate: 0.03%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Sun, 06 Aug 2017 19:47:19 +0000

End at: Sun, 06 Aug 2017 19:47:49 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:16:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 31.29 Mbit/s

95th percentile per-packet one-way delay: 63.568 ms

Loss rate: 0.00%

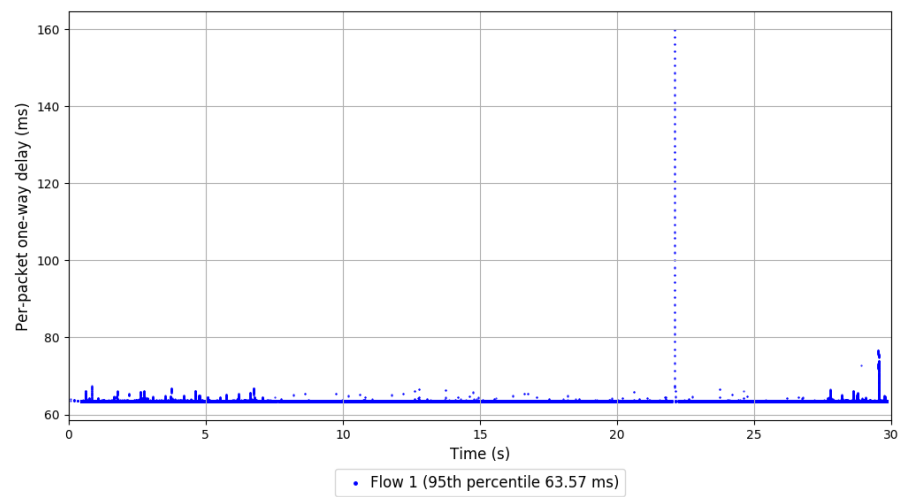
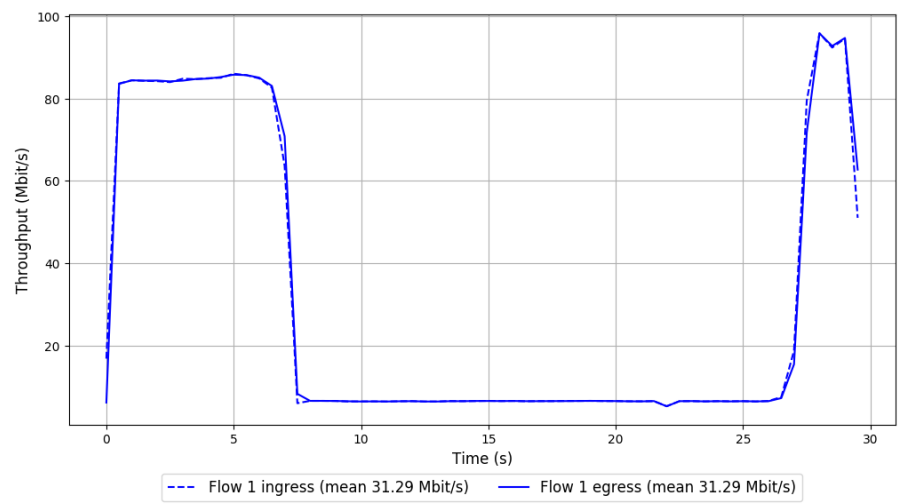
-- Flow 1:

Average throughput: 31.29 Mbit/s

95th percentile per-packet one-way delay: 63.568 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Sun, 06 Aug 2017 19:57:38 +0000

End at: Sun, 06 Aug 2017 19:58:08 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:17:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.66 Mbit/s

95th percentile per-packet one-way delay: 63.431 ms

Loss rate: 0.00%

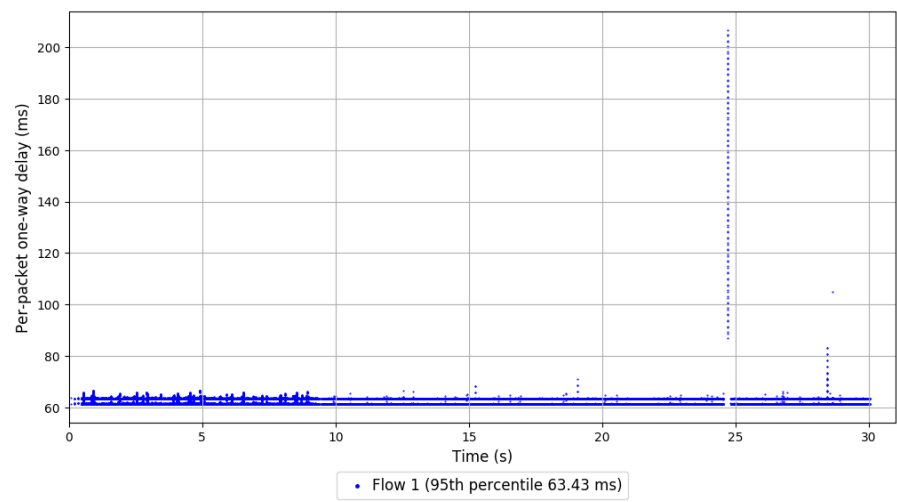
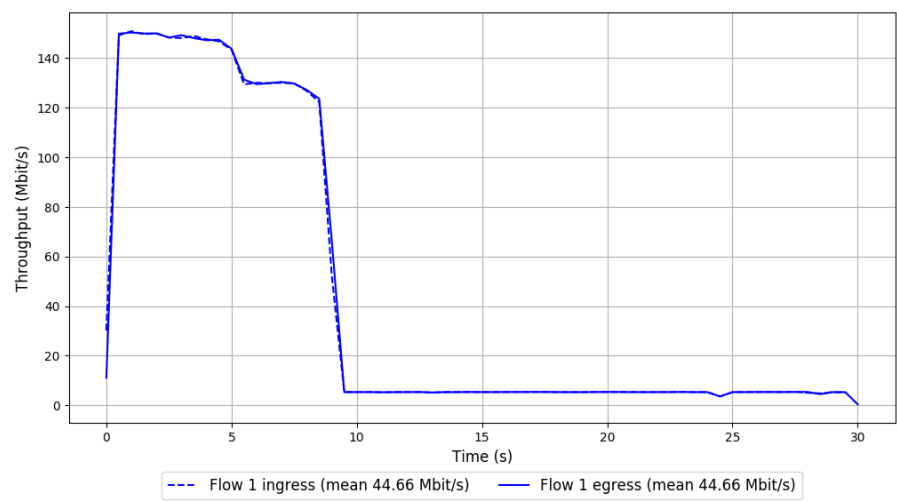
-- Flow 1:

Average throughput: 44.66 Mbit/s

95th percentile per-packet one-way delay: 63.431 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Sun, 06 Aug 2017 20:08:06 +0000

End at: Sun, 06 Aug 2017 20:08:36 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:17:32 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 116.35 Mbit/s

95th percentile per-packet one-way delay: 63.439 ms

Loss rate: 0.67%

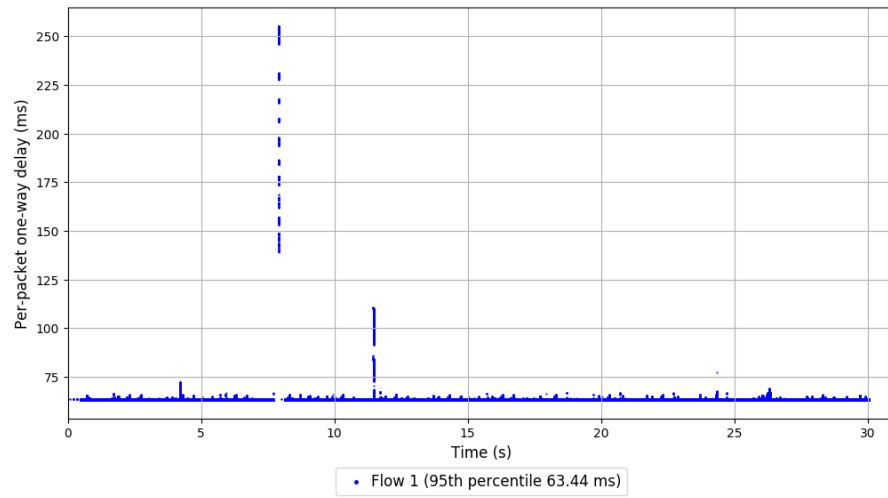
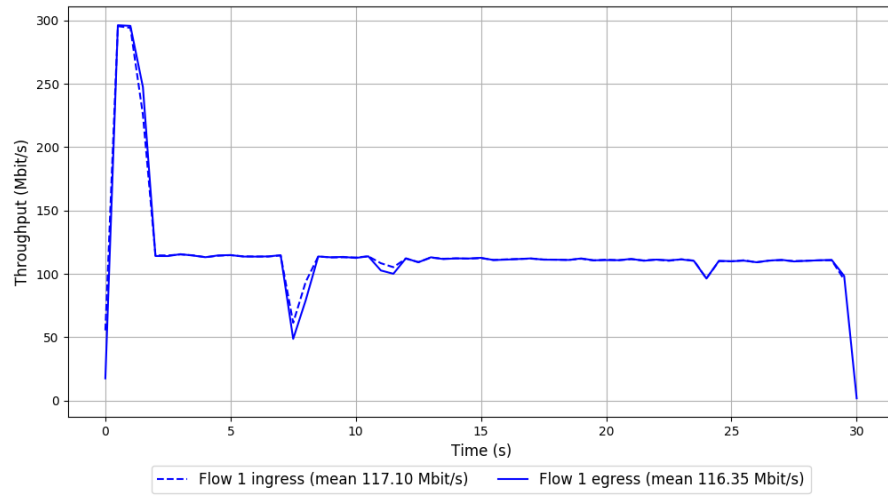
-- Flow 1:

Average throughput: 116.35 Mbit/s

95th percentile per-packet one-way delay: 63.439 ms

Loss rate: 0.67%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Sun, 06 Aug 2017 20:18:31 +0000

End at: Sun, 06 Aug 2017 20:19:01 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:17:32 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 63.09 Mbit/s

95th percentile per-packet one-way delay: 63.458 ms

Loss rate: 1.41%

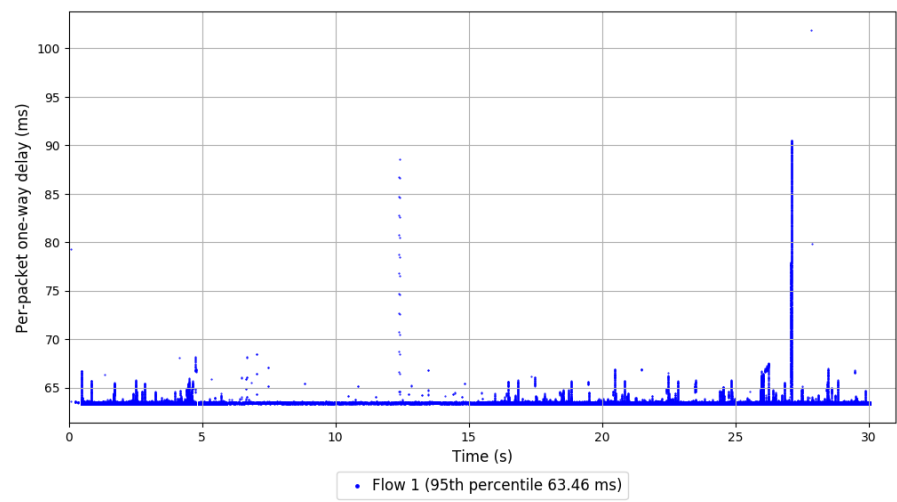
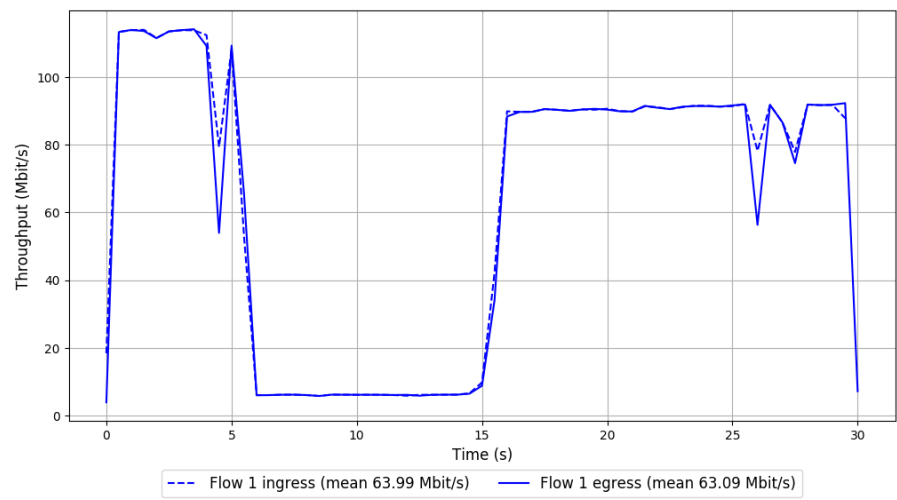
-- Flow 1:

Average throughput: 63.09 Mbit/s

95th percentile per-packet one-way delay: 63.458 ms

Loss rate: 1.41%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 18:44:52 +0000

End at: Sun, 06 Aug 2017 18:45:22 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:17:32 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.04 Mbit/s

95th percentile per-packet one-way delay: 64.572 ms

Loss rate: 1.66%

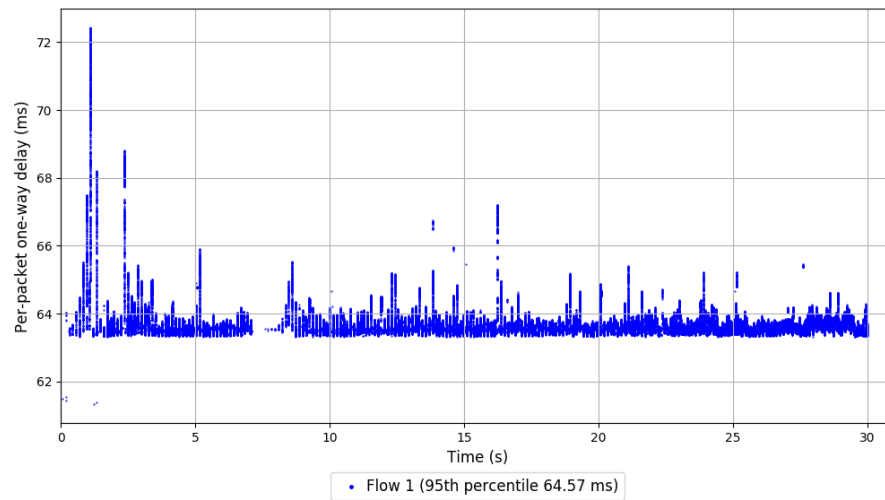
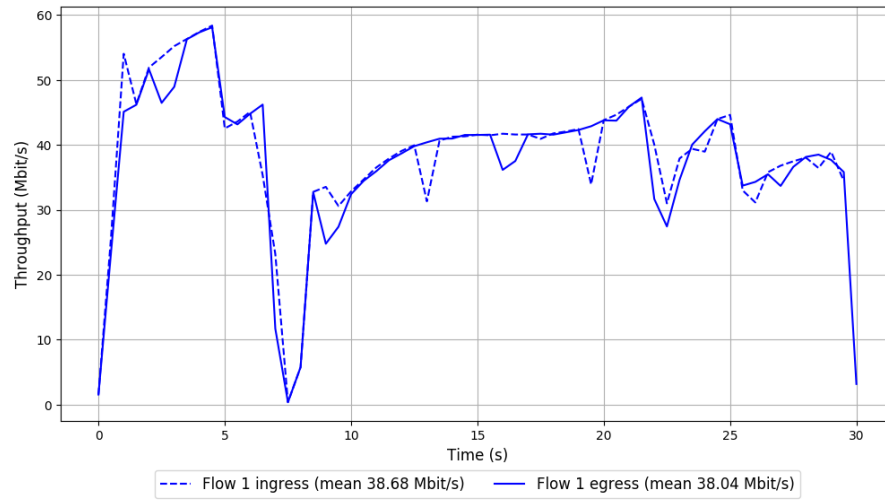
-- Flow 1:

Average throughput: 38.04 Mbit/s

95th percentile per-packet one-way delay: 64.572 ms

Loss rate: 1.66%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 18:55:07 +0000

End at: Sun, 06 Aug 2017 18:55:37 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:17:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.11 Mbit/s

95th percentile per-packet one-way delay: 63.757 ms

Loss rate: 1.49%

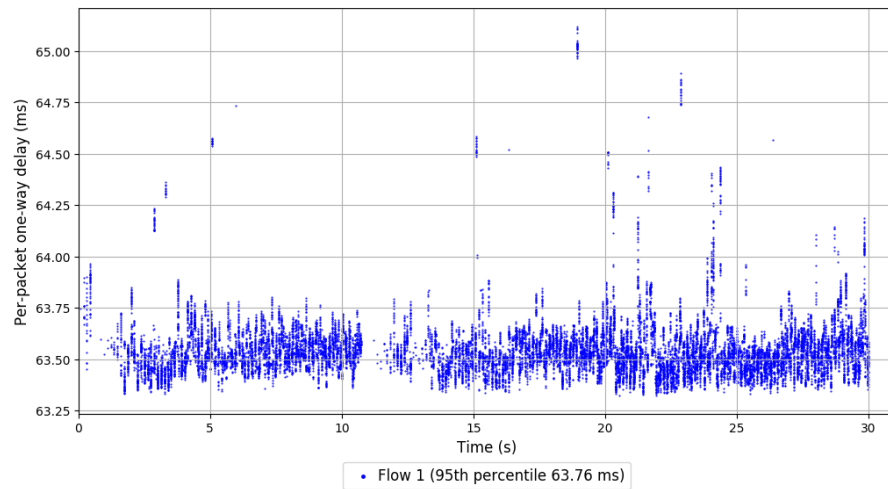
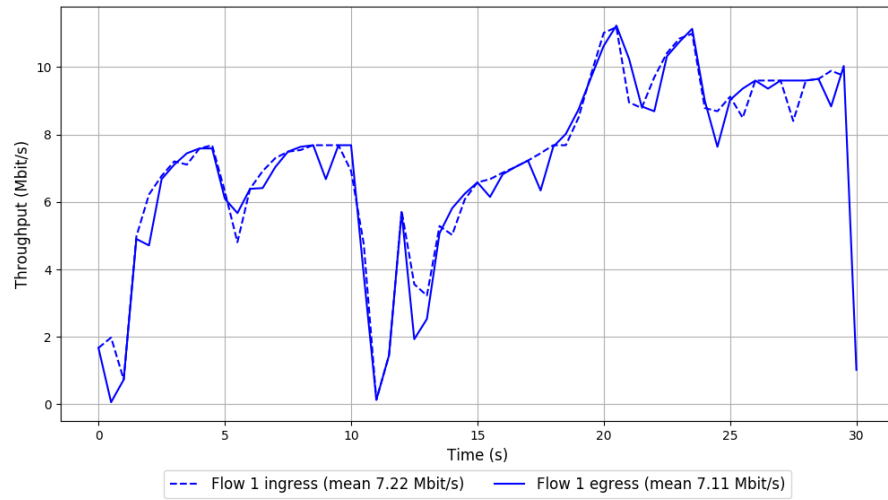
-- Flow 1:

Average throughput: 7.11 Mbit/s

95th percentile per-packet one-way delay: 63.757 ms

Loss rate: 1.49%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 19:05:17 +0000

End at: Sun, 06 Aug 2017 19:05:47 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:17:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.34 Mbit/s

95th percentile per-packet one-way delay: 63.739 ms

Loss rate: 3.15%

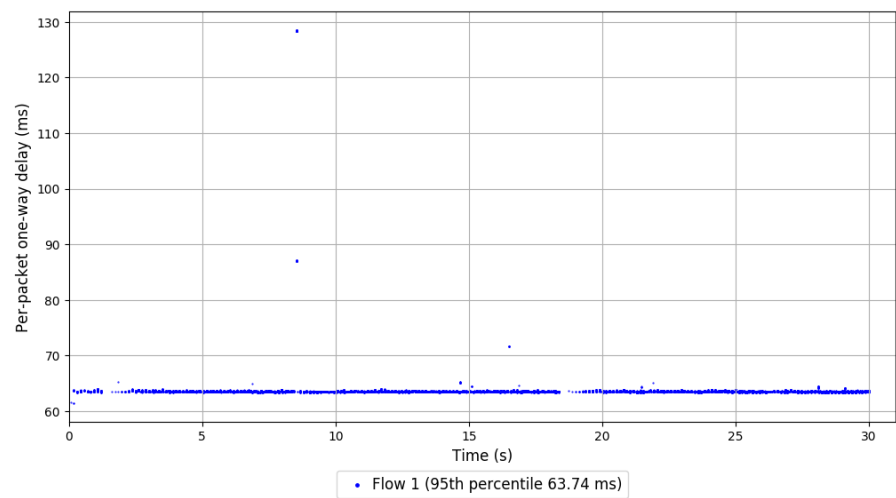
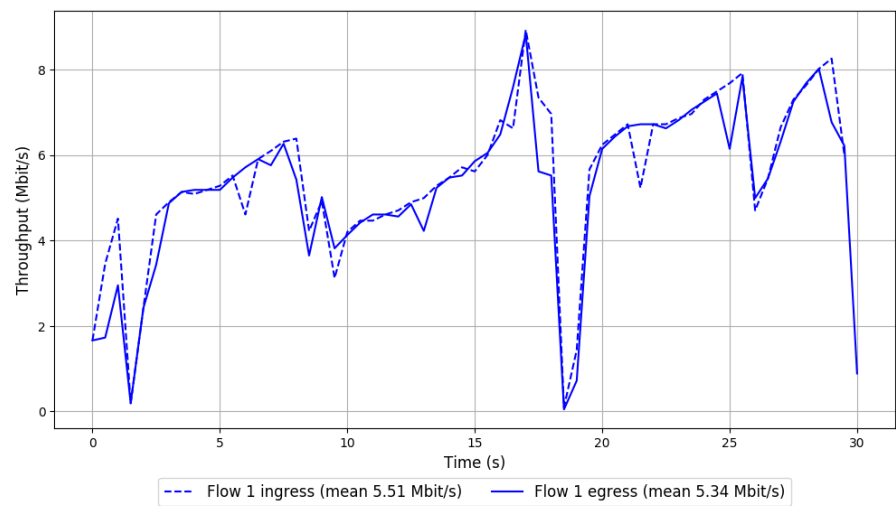
-- Flow 1:

Average throughput: 5.34 Mbit/s

95th percentile per-packet one-way delay: 63.739 ms

Loss rate: 3.15%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 19:15:46 +0000

End at: Sun, 06 Aug 2017 19:16:16 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:17:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.90 Mbit/s

95th percentile per-packet one-way delay: 63.734 ms

Loss rate: 1.77%

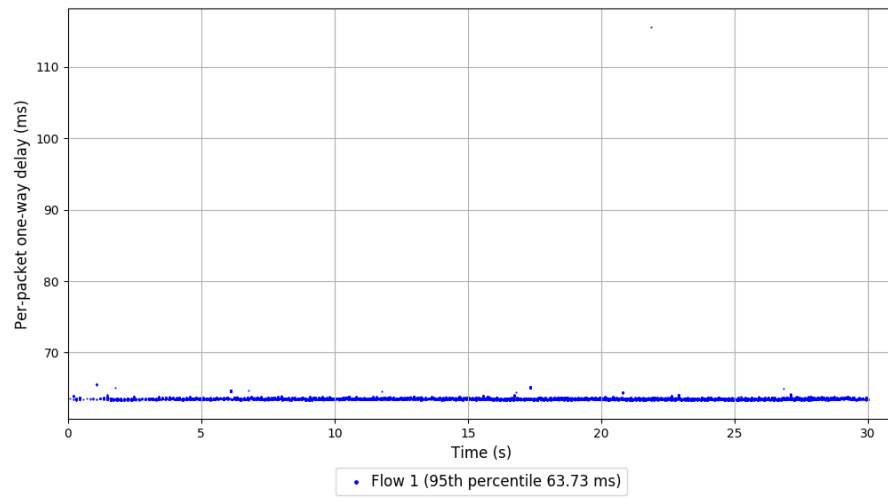
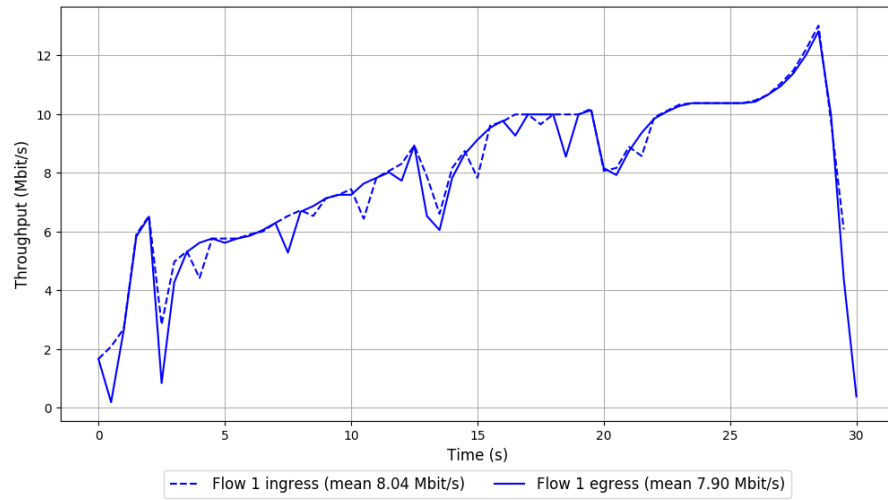
-- Flow 1:

Average throughput: 7.90 Mbit/s

95th percentile per-packet one-way delay: 63.734 ms

Loss rate: 1.77%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 19:26:03 +0000

End at: Sun, 06 Aug 2017 19:26:33 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:17:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.06 Mbit/s

95th percentile per-packet one-way delay: 64.736 ms

Loss rate: 0.79%

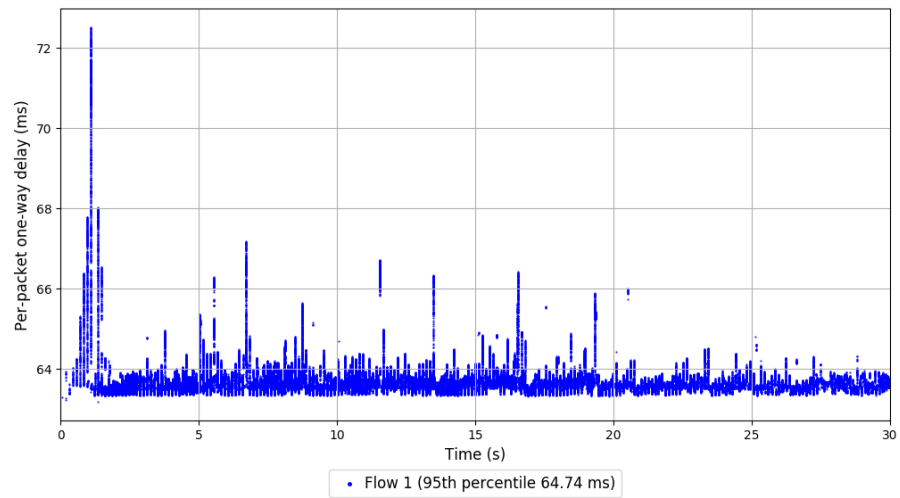
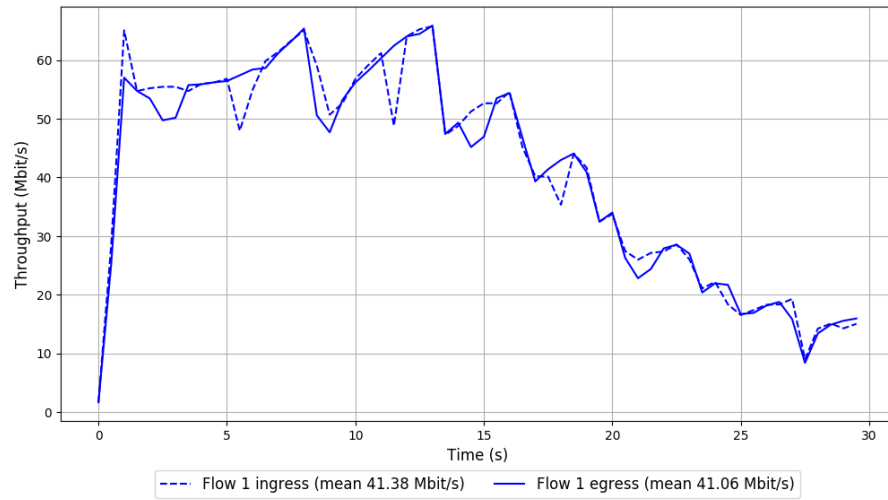
-- Flow 1:

Average throughput: 41.06 Mbit/s

95th percentile per-packet one-way delay: 64.736 ms

Loss rate: 0.79%

Run 5: Report of TCP Cubic — Data Link

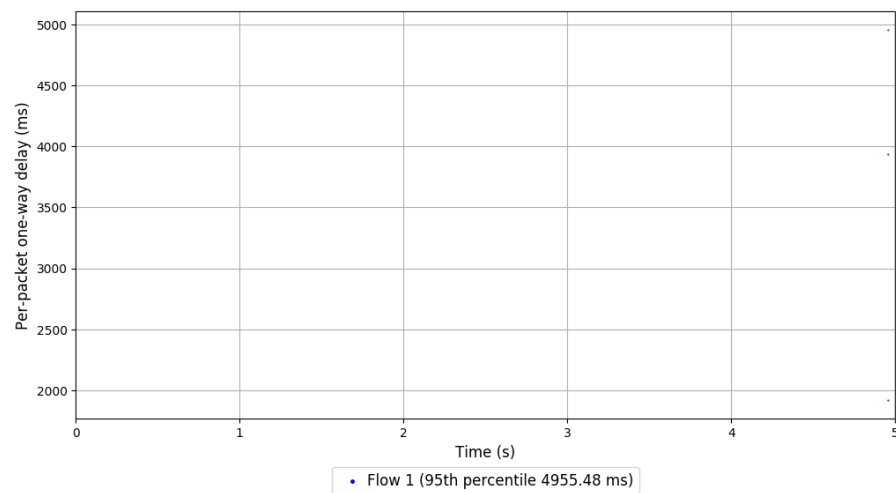
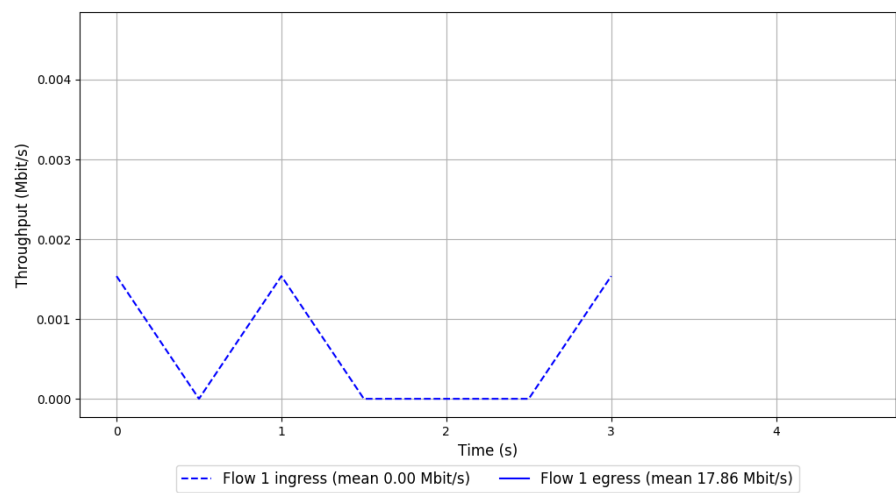


Run 6: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 19:36:01 +0000

End at: Sun, 06 Aug 2017 19:36:31 +0000

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 19:46:38 +0000

End at: Sun, 06 Aug 2017 19:47:08 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:17:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 58.68 Mbit/s

95th percentile per-packet one-way delay: 64.104 ms

Loss rate: 0.31%

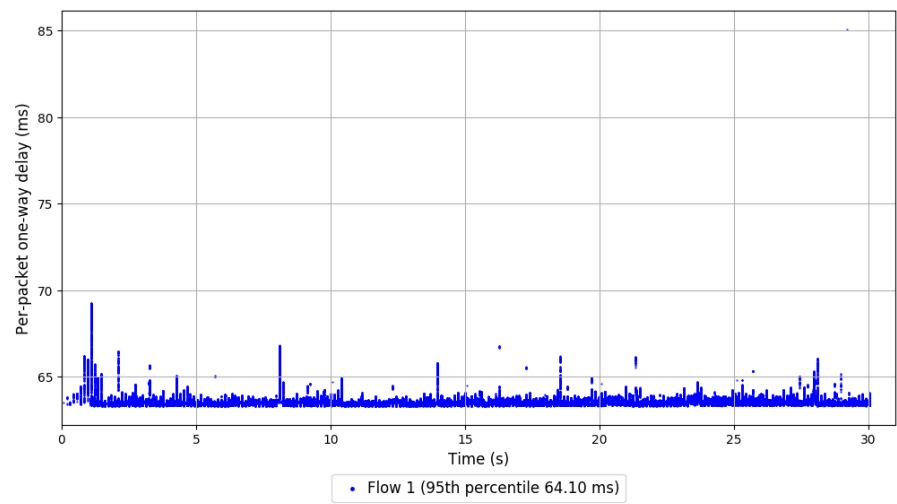
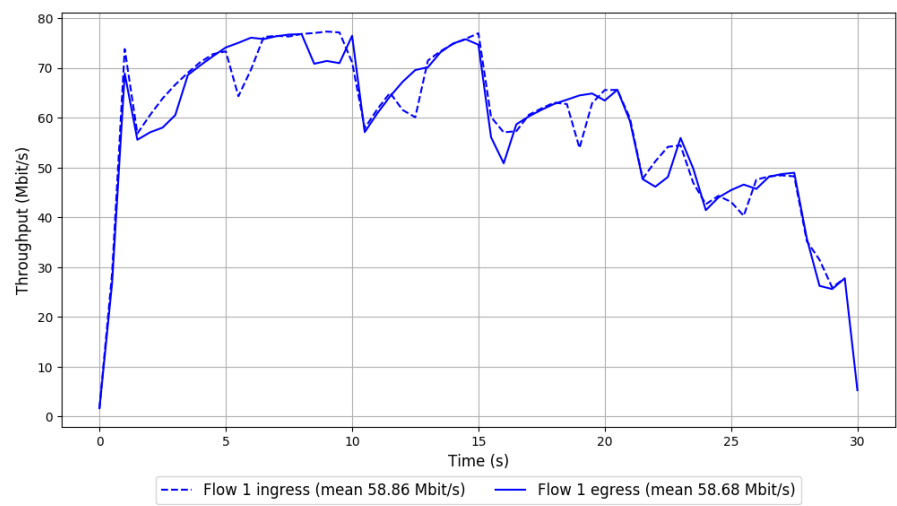
-- Flow 1:

Average throughput: 58.68 Mbit/s

95th percentile per-packet one-way delay: 64.104 ms

Loss rate: 0.31%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 19:56:59 +0000

End at: Sun, 06 Aug 2017 19:57:29 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:17:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.78 Mbit/s

95th percentile per-packet one-way delay: 63.708 ms

Loss rate: 3.21%

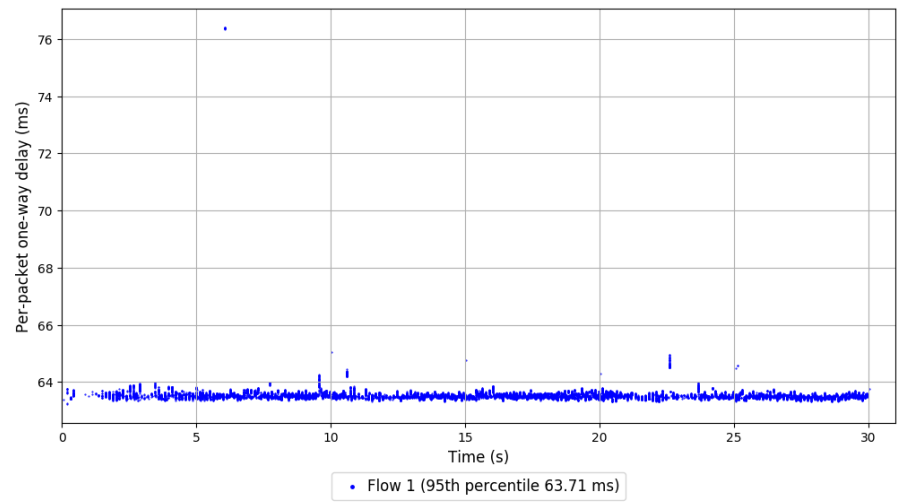
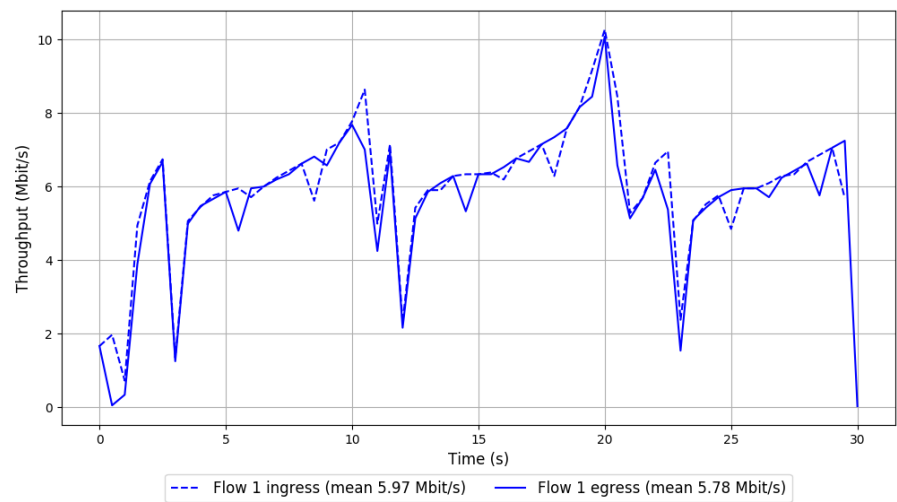
-- Flow 1:

Average throughput: 5.78 Mbit/s

95th percentile per-packet one-way delay: 63.708 ms

Loss rate: 3.21%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 20:07:25 +0000

End at: Sun, 06 Aug 2017 20:07:55 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:17:59 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.96 Mbit/s

95th percentile per-packet one-way delay: 65.239 ms

Loss rate: 0.41%

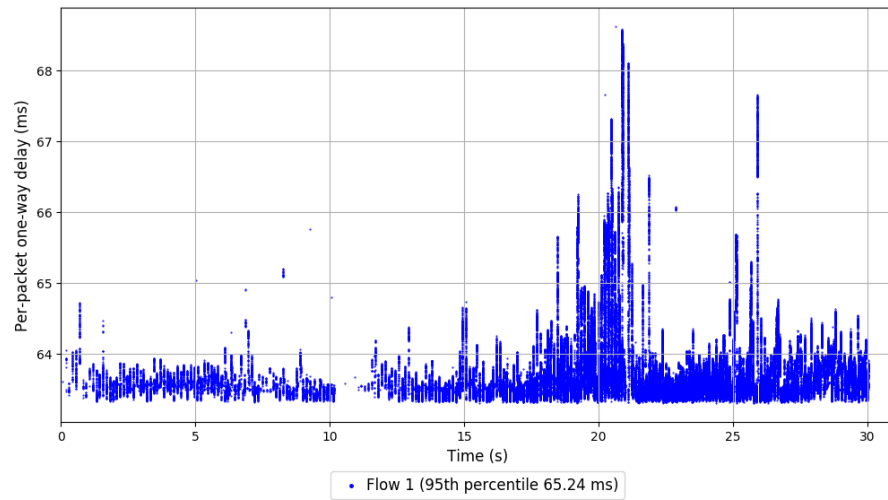
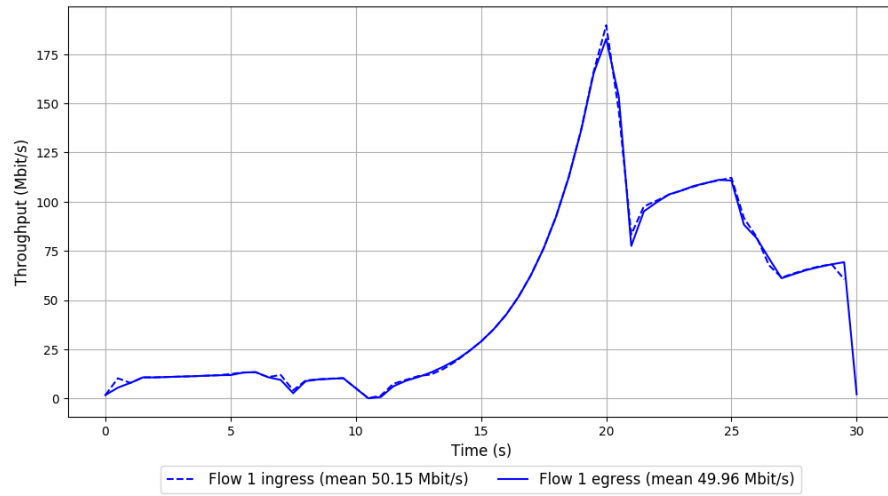
-- Flow 1:

Average throughput: 49.96 Mbit/s

95th percentile per-packet one-way delay: 65.239 ms

Loss rate: 0.41%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 20:17:52 +0000

End at: Sun, 06 Aug 2017 20:18:22 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:17:59 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 32.66 Mbit/s

95th percentile per-packet one-way delay: 64.258 ms

Loss rate: 2.12%

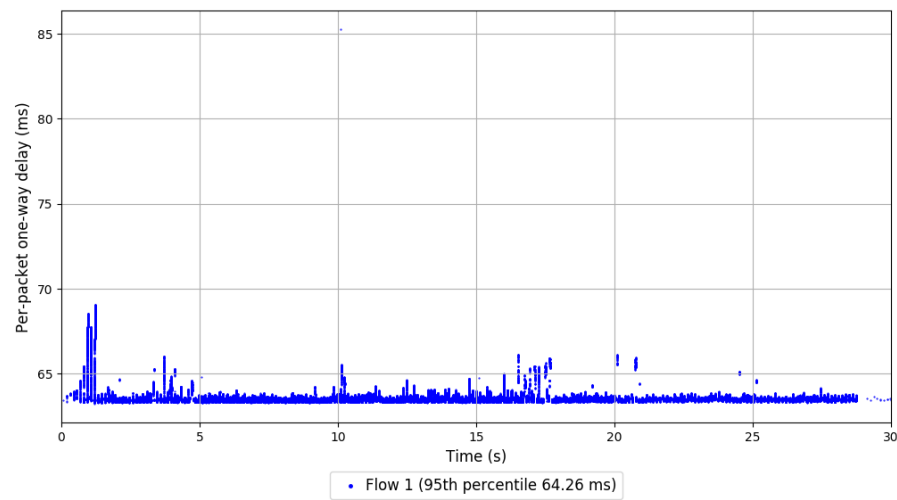
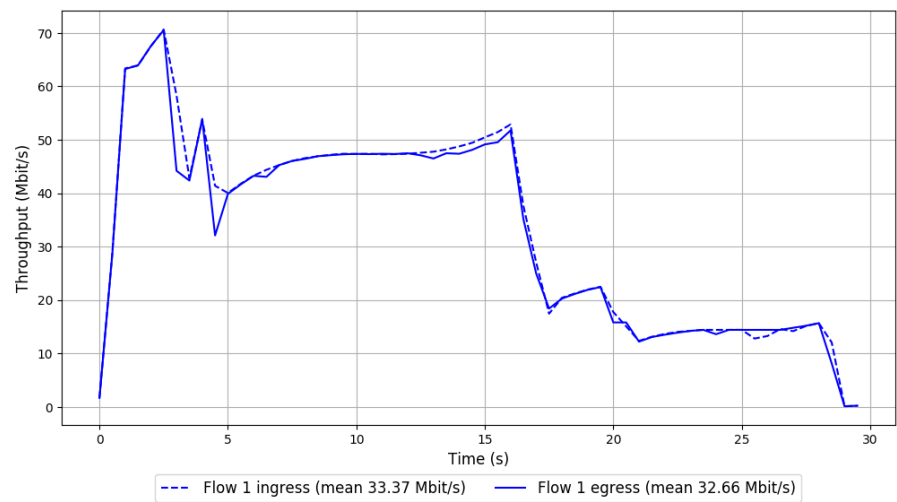
-- Flow 1:

Average throughput: 32.66 Mbit/s

95th percentile per-packet one-way delay: 64.258 ms

Loss rate: 2.12%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 18:46:17 +0000

End at: Sun, 06 Aug 2017 18:46:47 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:18:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.11 Mbit/s

95th percentile per-packet one-way delay: 63.878 ms

Loss rate: 8.40%

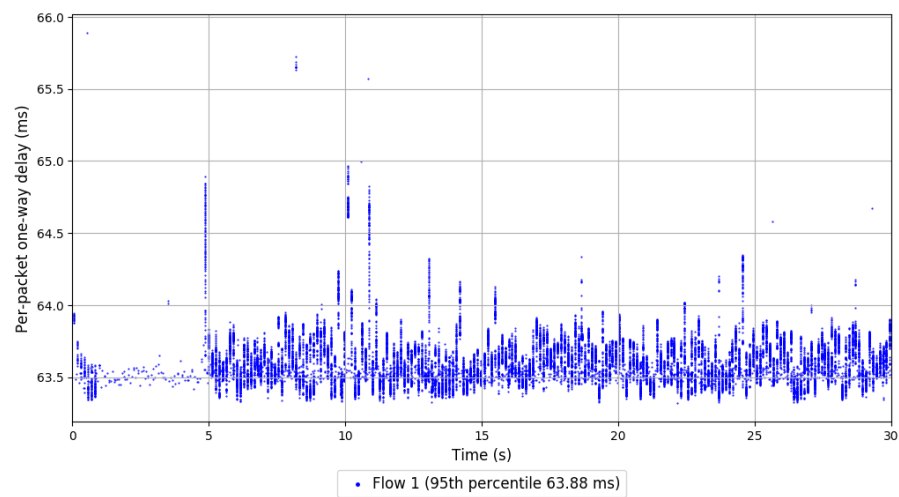
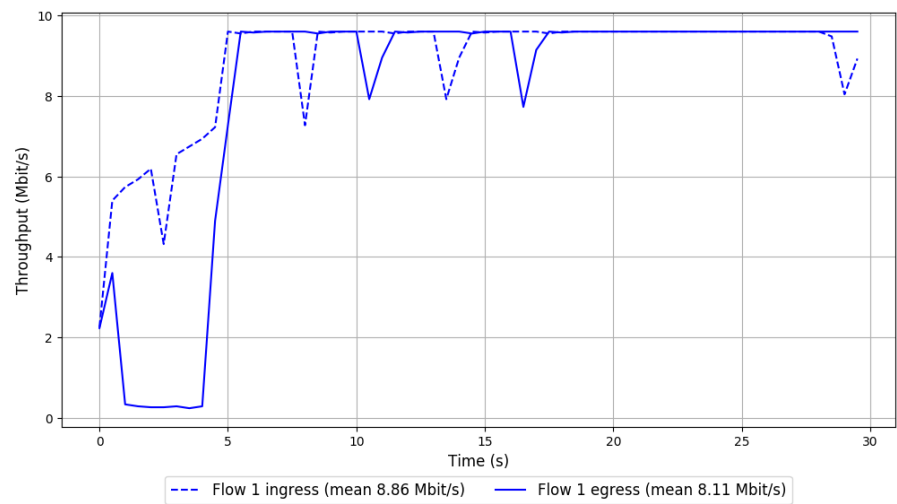
-- Flow 1:

Average throughput: 8.11 Mbit/s

95th percentile per-packet one-way delay: 63.878 ms

Loss rate: 8.40%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 18:56:32 +0000

End at: Sun, 06 Aug 2017 18:57:02 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:18:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 63.874 ms

Loss rate: 94.41%

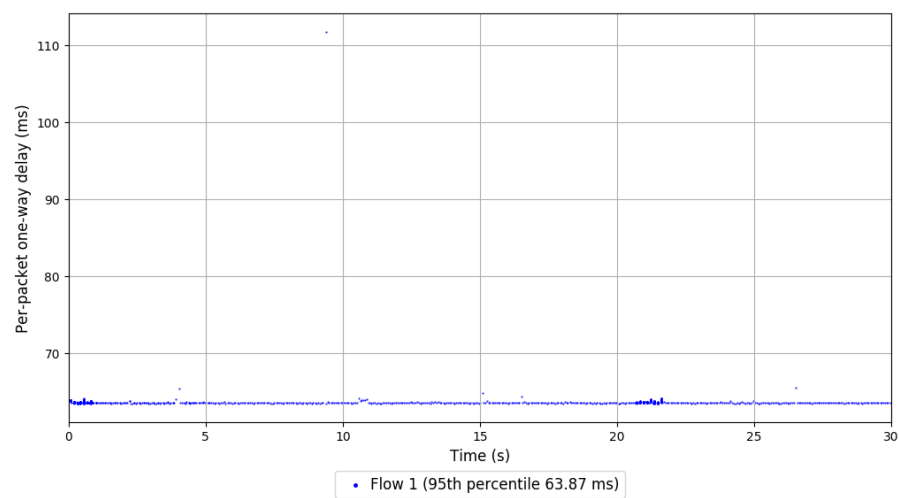
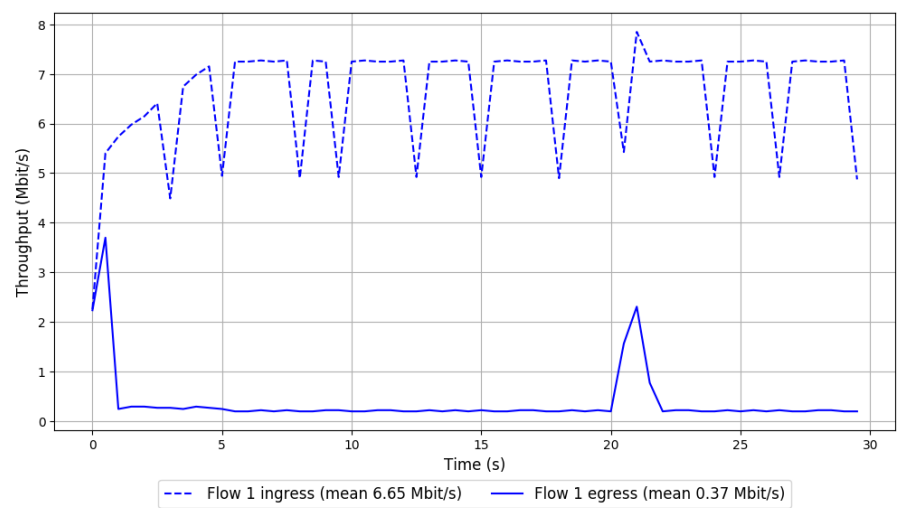
-- Flow 1:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 63.874 ms

Loss rate: 94.41%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 19:06:40 +0000

End at: Sun, 06 Aug 2017 19:07:10 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:18:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 71.311 ms

Loss rate: 94.91%

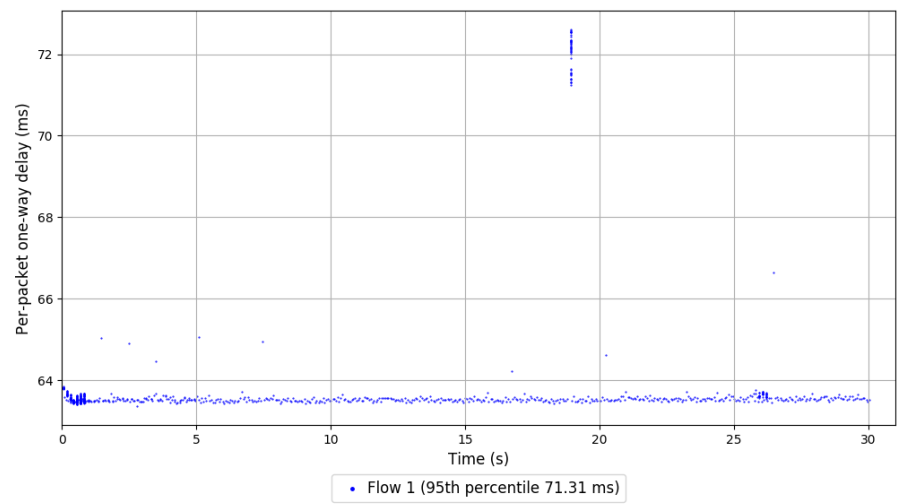
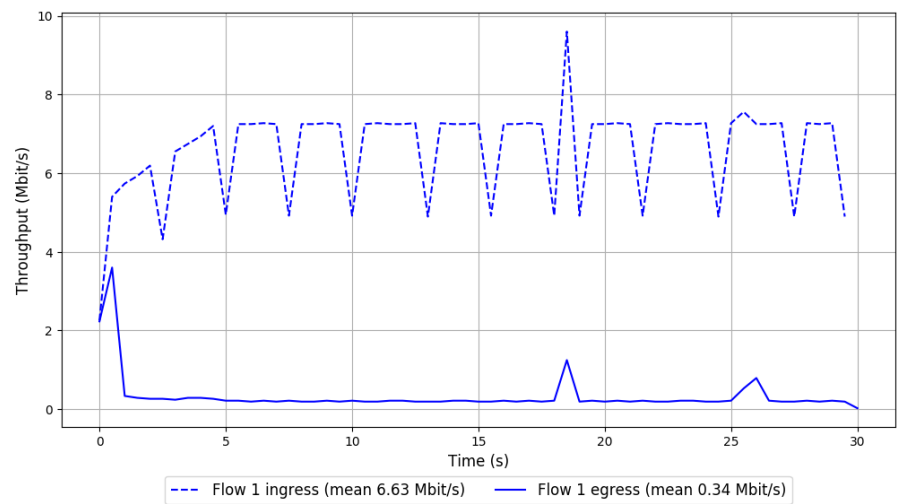
-- Flow 1:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 71.311 ms

Loss rate: 94.91%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 19:17:03 +0000

End at: Sun, 06 Aug 2017 19:17:33 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:18:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.10 Mbit/s

95th percentile per-packet one-way delay: 63.885 ms

Loss rate: 0.89%

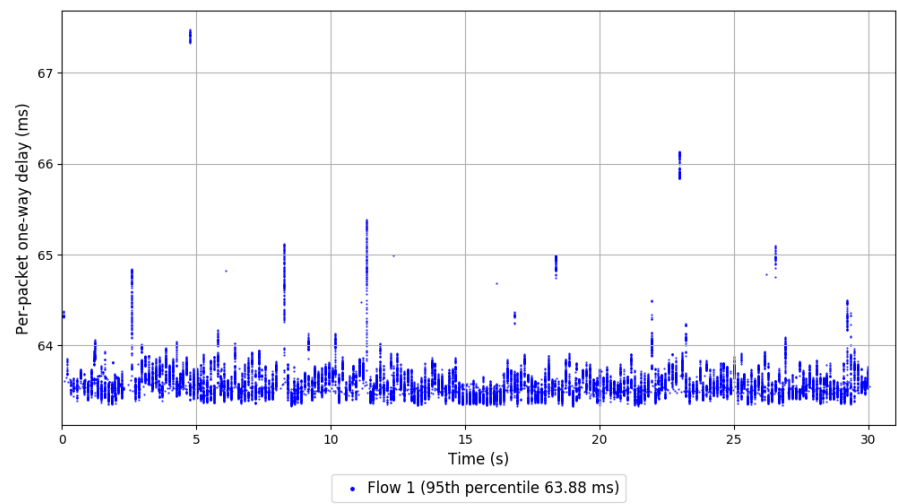
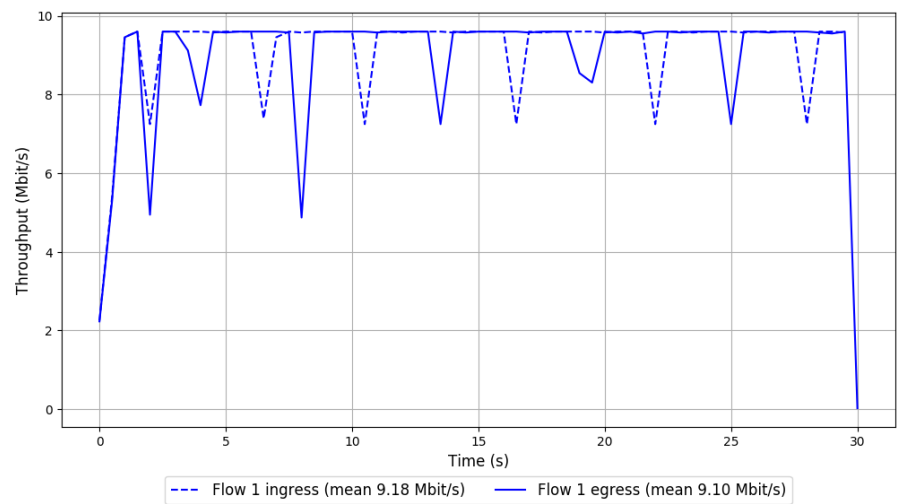
-- Flow 1:

Average throughput: 9.10 Mbit/s

95th percentile per-packet one-way delay: 63.885 ms

Loss rate: 0.89%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 19:27:26 +0000

End at: Sun, 06 Aug 2017 19:27:56 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:18:05 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.23 Mbit/s

95th percentile per-packet one-way delay: 63.938 ms

Loss rate: 0.35%

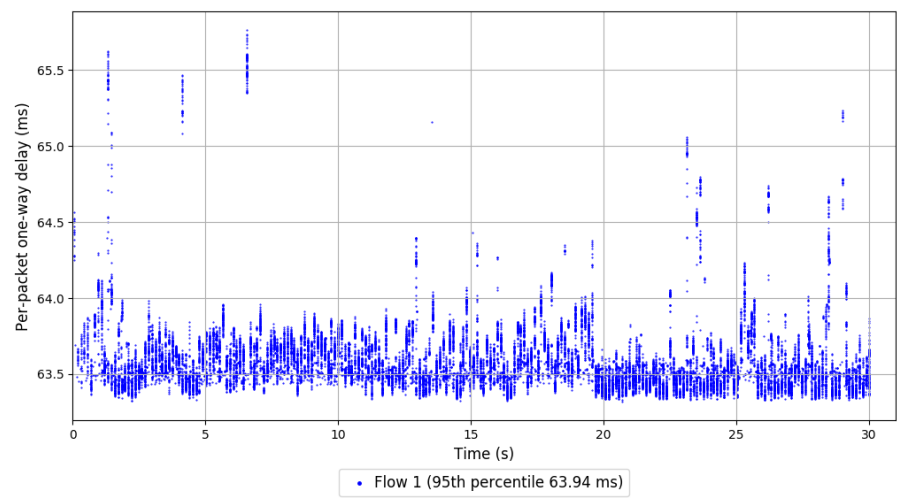
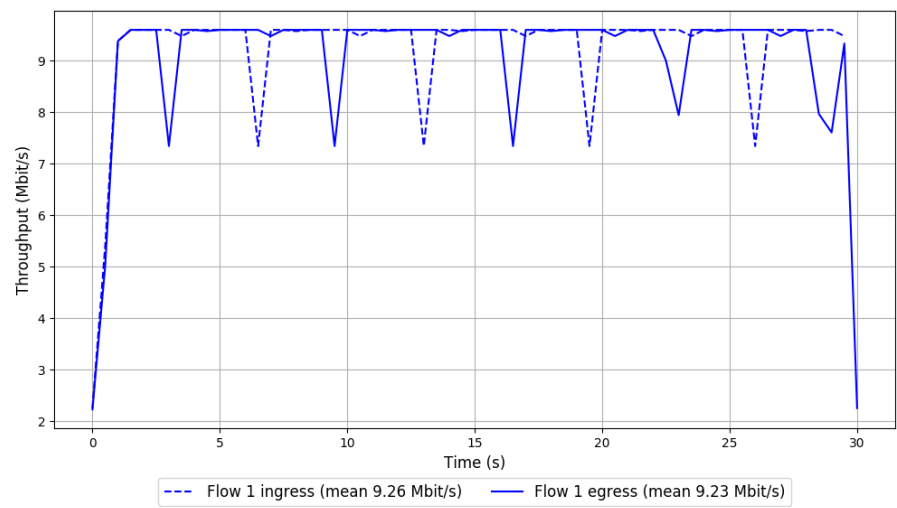
-- Flow 1:

Average throughput: 9.23 Mbit/s

95th percentile per-packet one-way delay: 63.938 ms

Loss rate: 0.35%

Run 5: Report of KohoCC — Data Link

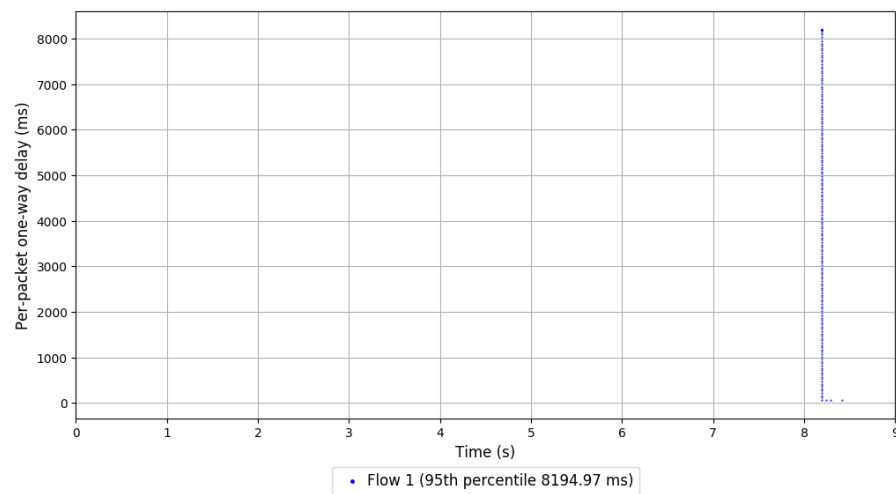
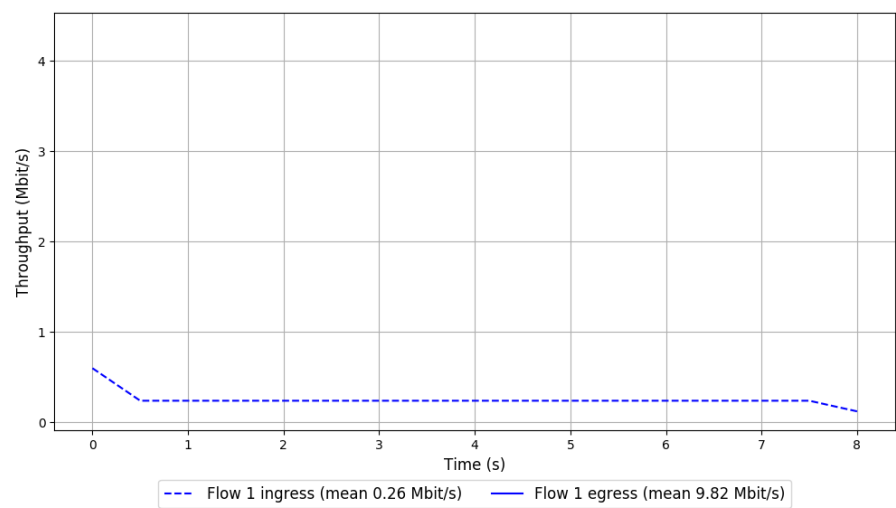


Run 6: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 19:37:24 +0000

End at: Sun, 06 Aug 2017 19:37:54 +0000

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 19:48:00 +0000

End at: Sun, 06 Aug 2017 19:48:30 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:18:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.07 Mbit/s

95th percentile per-packet one-way delay: 63.981 ms

Loss rate: 0.89%

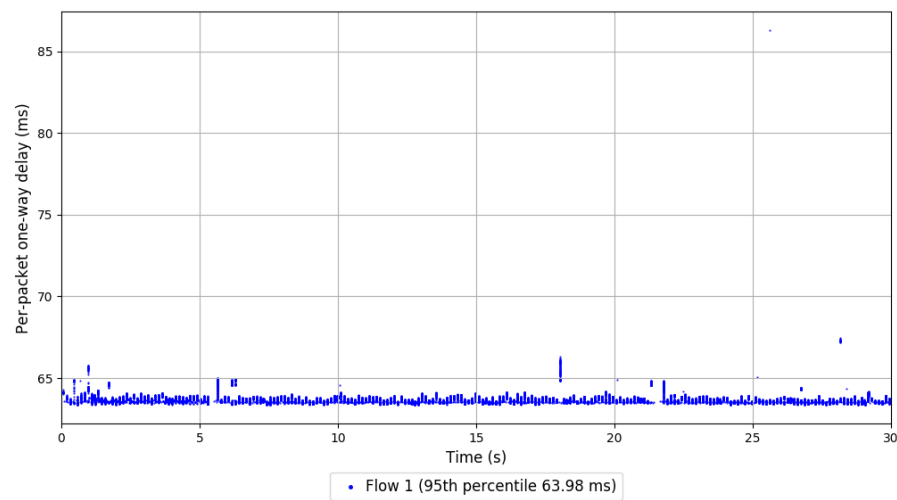
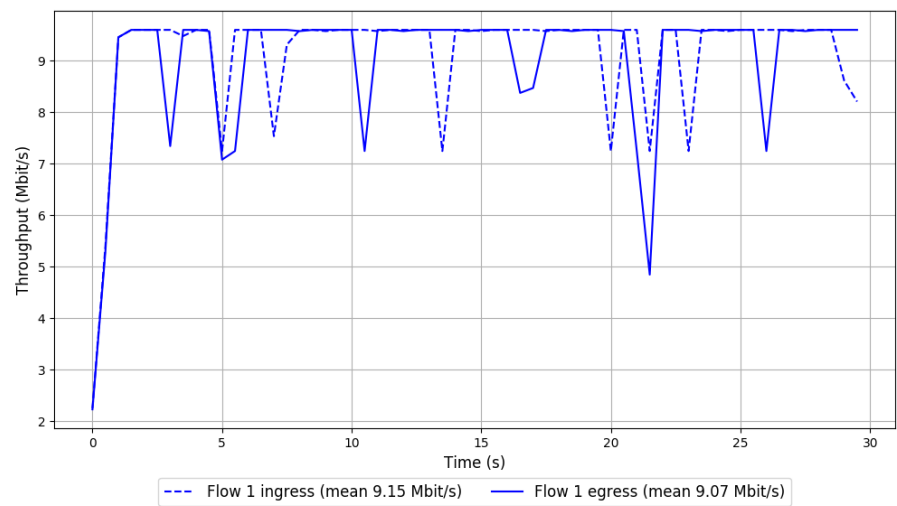
-- Flow 1:

Average throughput: 9.07 Mbit/s

95th percentile per-packet one-way delay: 63.981 ms

Loss rate: 0.89%

Run 7: Report of KohoCC — Data Link

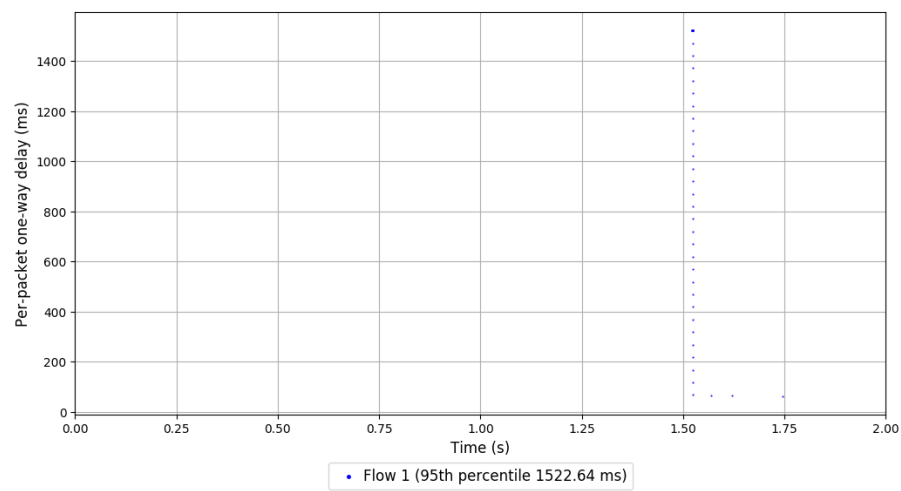
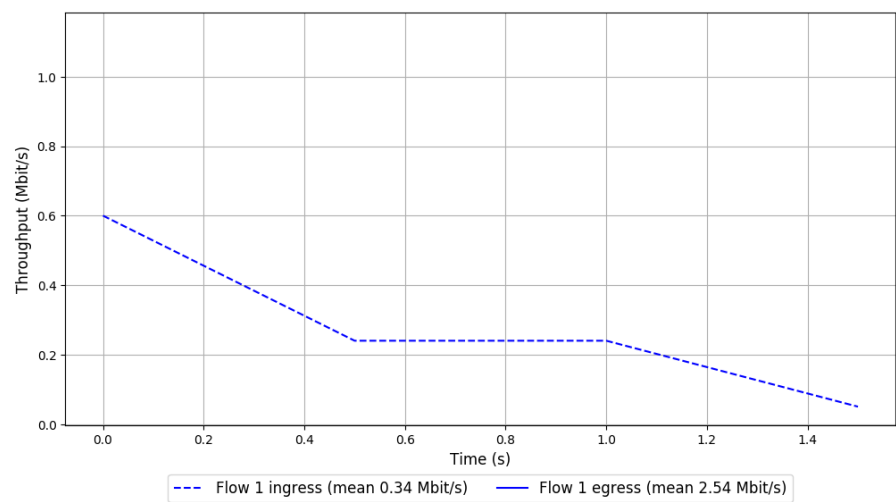


Run 8: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 19:58:20 +0000

End at: Sun, 06 Aug 2017 19:58:50 +0000

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 20:08:54 +0000

End at: Sun, 06 Aug 2017 20:09:25 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:18:11 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.30 Mbit/s

95th percentile per-packet one-way delay: 64.028 ms

Loss rate: 0.00%

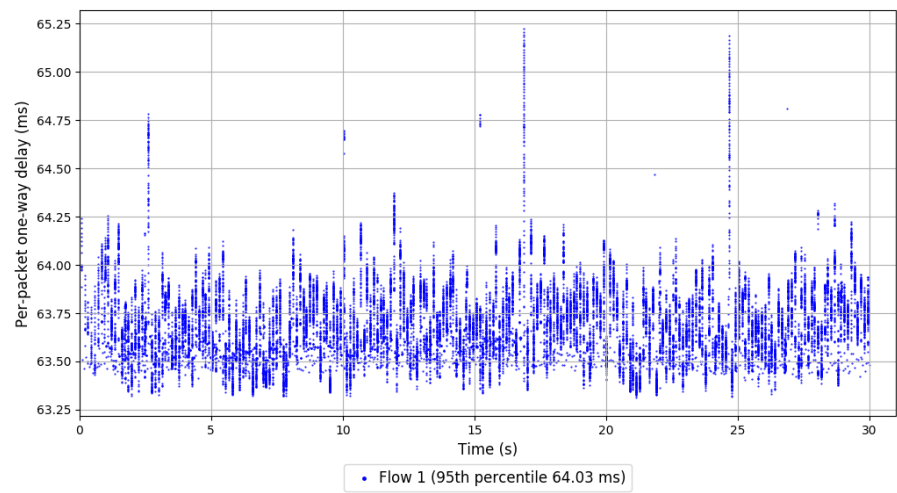
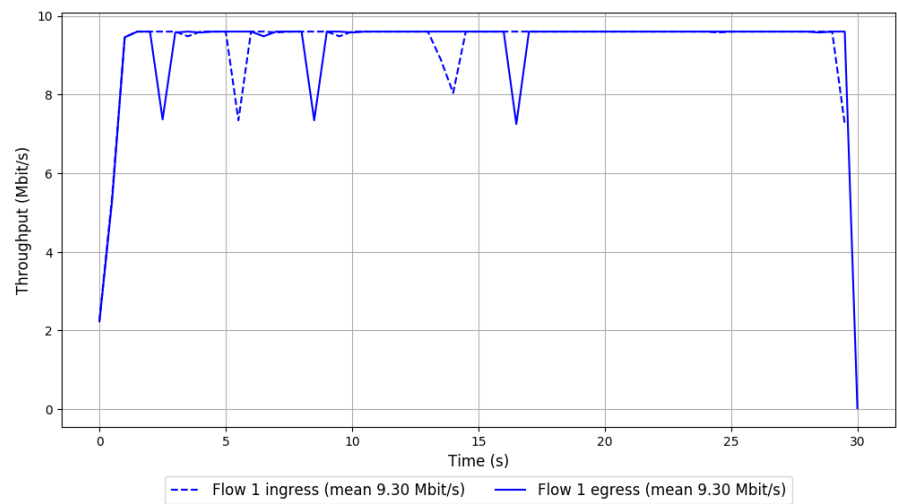
-- Flow 1:

Average throughput: 9.30 Mbit/s

95th percentile per-packet one-way delay: 64.028 ms

Loss rate: 0.00%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 20:19:15 +0000

End at: Sun, 06 Aug 2017 20:19:45 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:18:11 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 63.636 ms

Loss rate: 95.30%

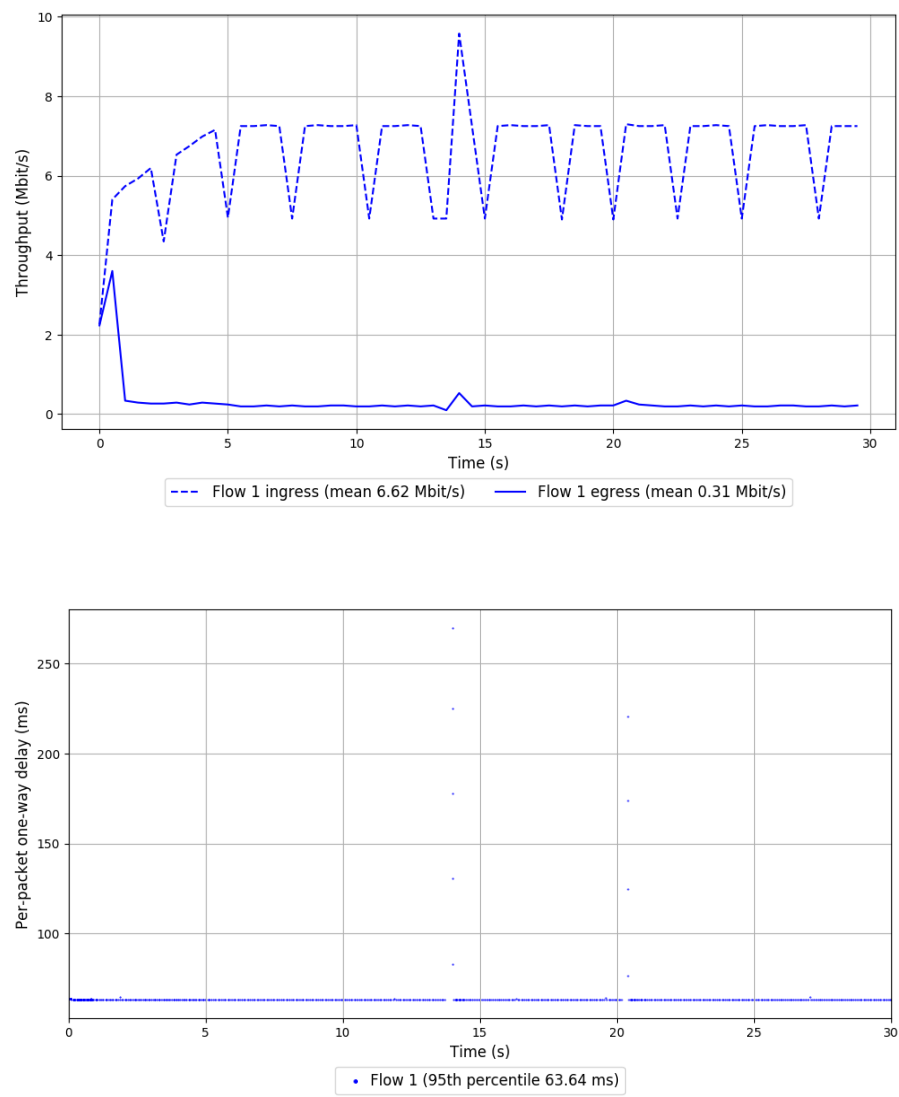
-- Flow 1:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 63.636 ms

Loss rate: 95.30%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 18:42:24 +0000

End at: Sun, 06 Aug 2017 18:42:54 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:18:11 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.65 Mbit/s

95th percentile per-packet one-way delay: 64.350 ms

Loss rate: 0.85%

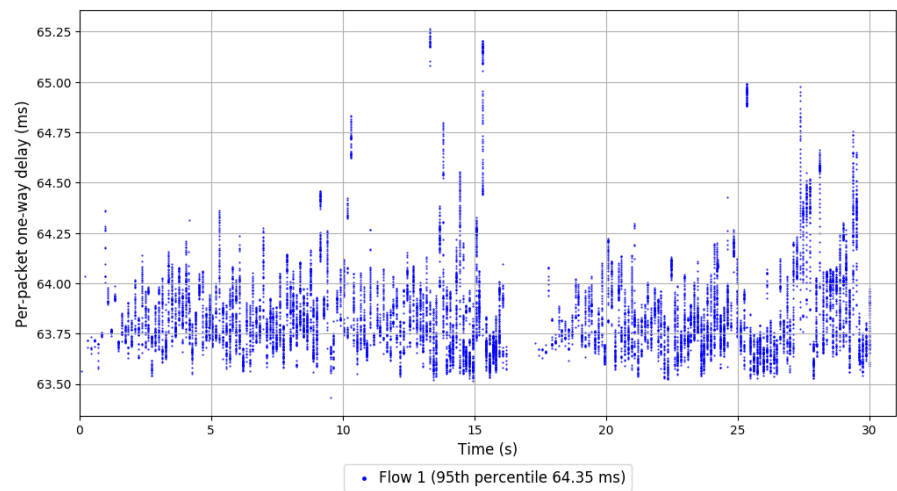
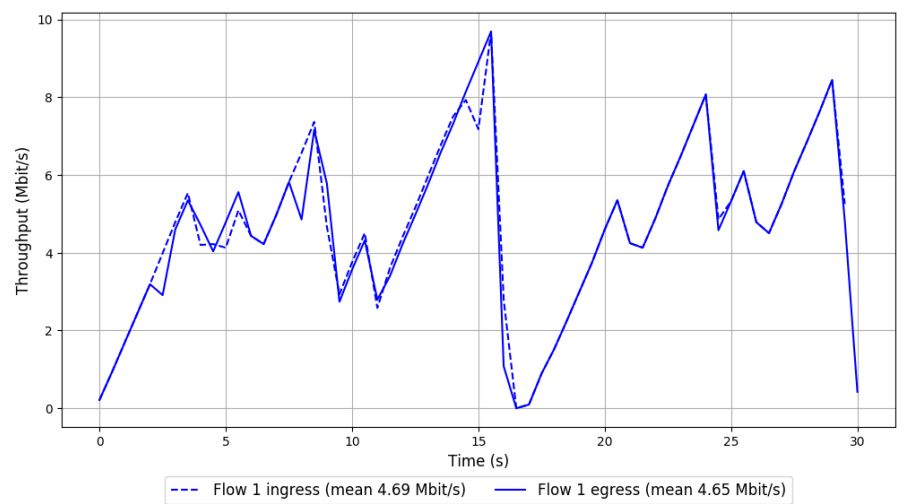
-- Flow 1:

Average throughput: 4.65 Mbit/s

95th percentile per-packet one-way delay: 64.350 ms

Loss rate: 0.85%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 18:52:41 +0000

End at: Sun, 06 Aug 2017 18:53:11 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:18:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 64.167 ms

Loss rate: 1.55%

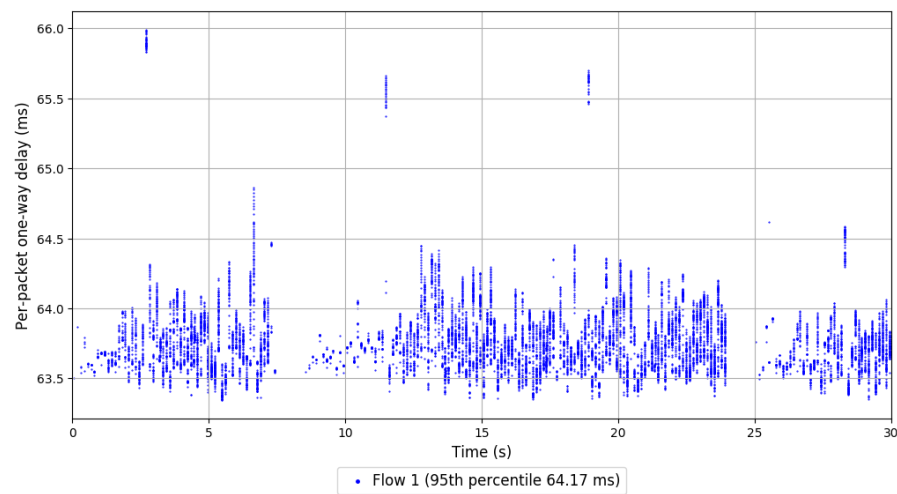
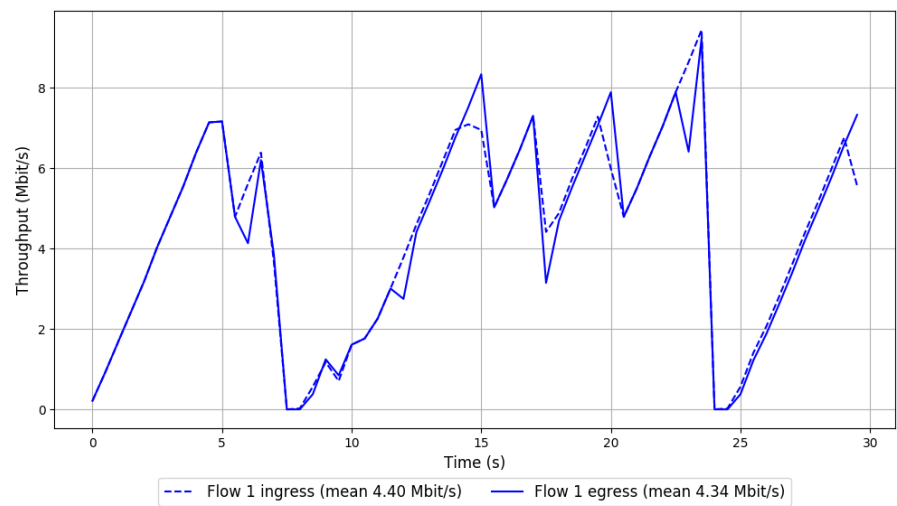
-- Flow 1:

Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 64.167 ms

Loss rate: 1.55%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 19:03:18 +0000

End at: Sun, 06 Aug 2017 19:03:48 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:18:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.43 Mbit/s

95th percentile per-packet one-way delay: 64.219 ms

Loss rate: 0.77%

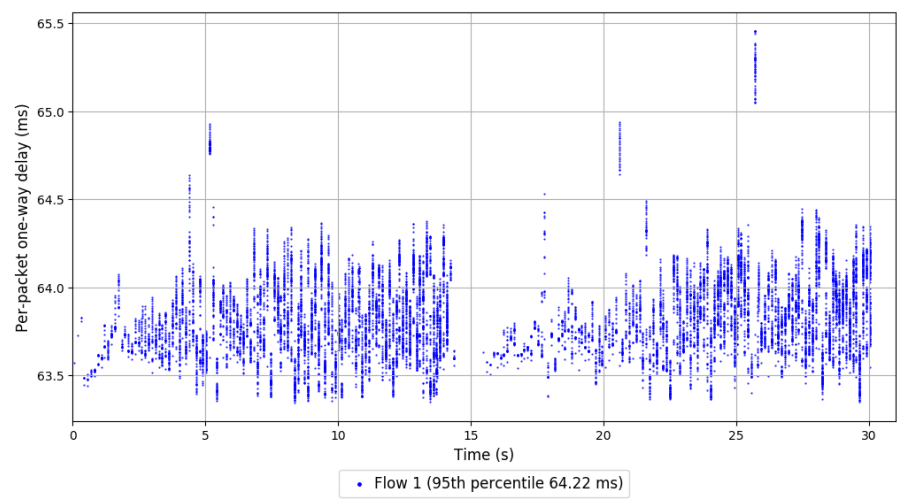
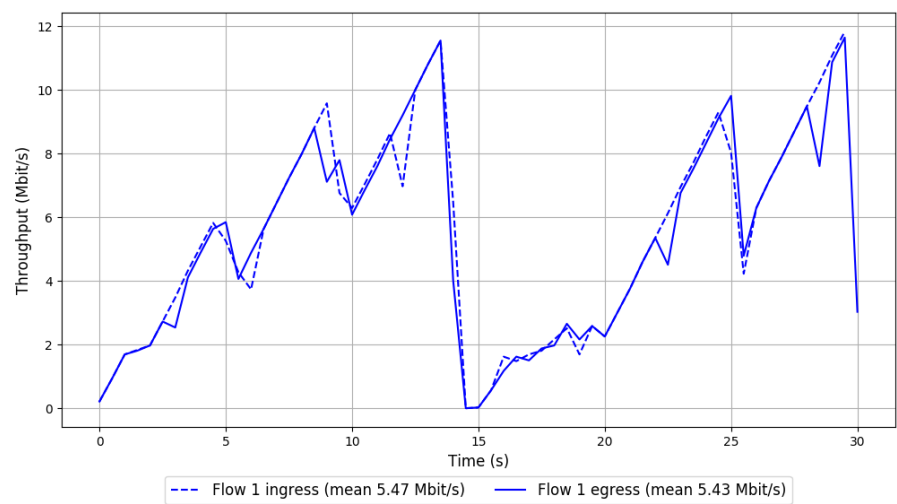
-- Flow 1:

Average throughput: 5.43 Mbit/s

95th percentile per-packet one-way delay: 64.219 ms

Loss rate: 0.77%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 19:13:18 +0000

End at: Sun, 06 Aug 2017 19:13:48 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:18:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.31 Mbit/s

95th percentile per-packet one-way delay: 64.070 ms

Loss rate: 1.62%

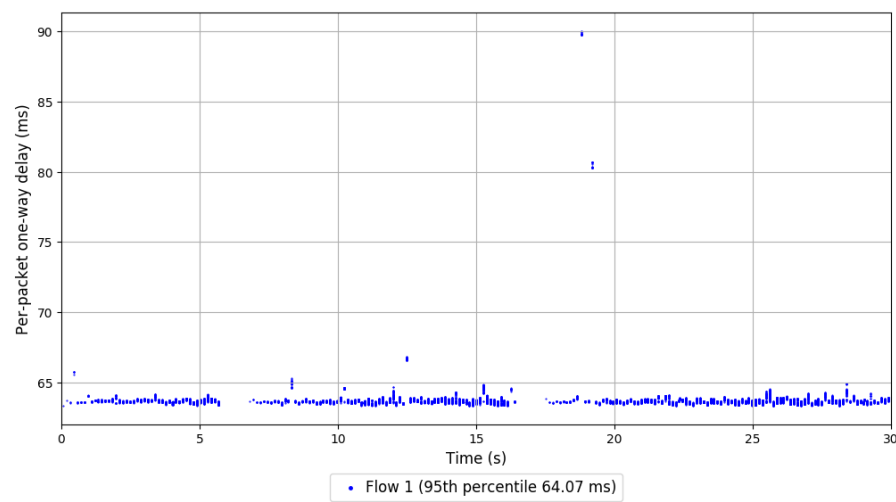
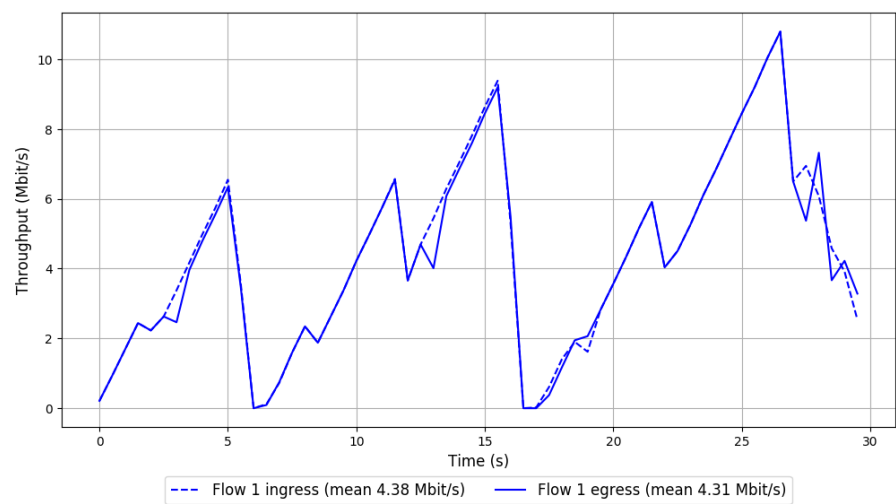
-- Flow 1:

Average throughput: 4.31 Mbit/s

95th percentile per-packet one-way delay: 64.070 ms

Loss rate: 1.62%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 19:23:36 +0000

End at: Sun, 06 Aug 2017 19:24:06 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:18:17 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.67 Mbit/s

95th percentile per-packet one-way delay: 64.167 ms

Loss rate: 0.87%

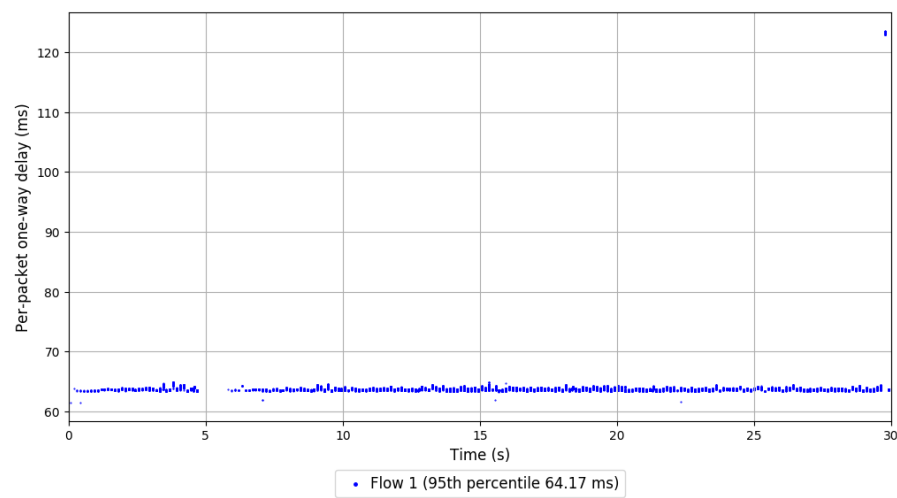
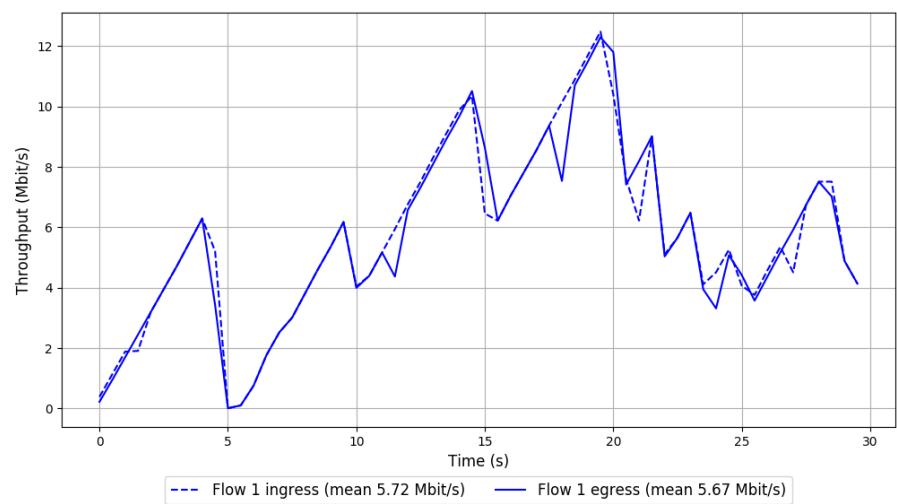
-- Flow 1:

Average throughput: 5.67 Mbit/s

95th percentile per-packet one-way delay: 64.167 ms

Loss rate: 0.87%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 19:34:03 +0000

End at: Sun, 06 Aug 2017 19:34:33 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:18:17 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 64.079 ms

Loss rate: 4.87%

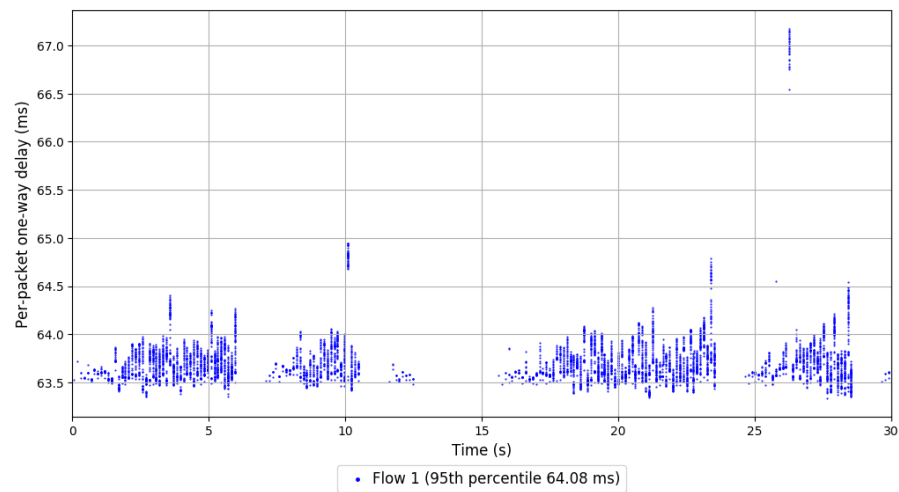
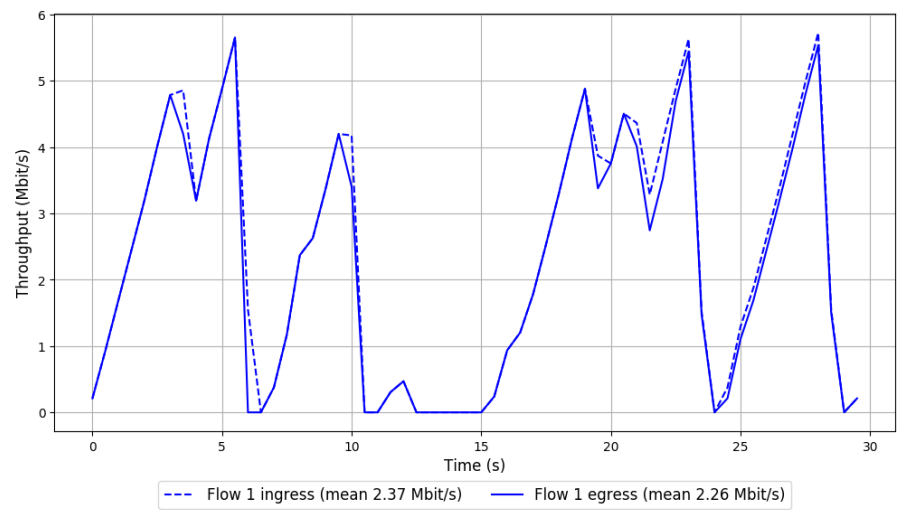
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 64.079 ms

Loss rate: 4.87%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 19:44:07 +0000

End at: Sun, 06 Aug 2017 19:44:37 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:18:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 63.825 ms

Loss rate: 5.14%

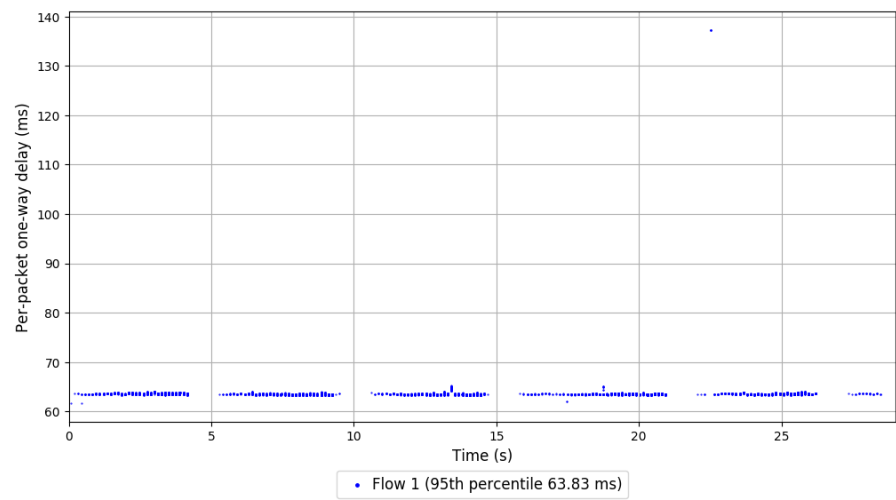
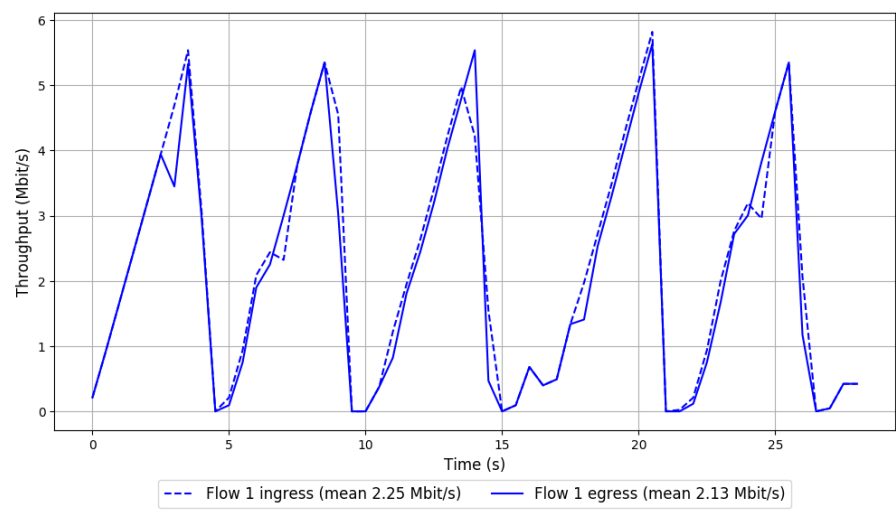
-- Flow 1:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 63.825 ms

Loss rate: 5.14%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 19:54:37 +0000

End at: Sun, 06 Aug 2017 19:55:07 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:18:20 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.91 Mbit/s

95th percentile per-packet one-way delay: 64.606 ms

Loss rate: 0.83%

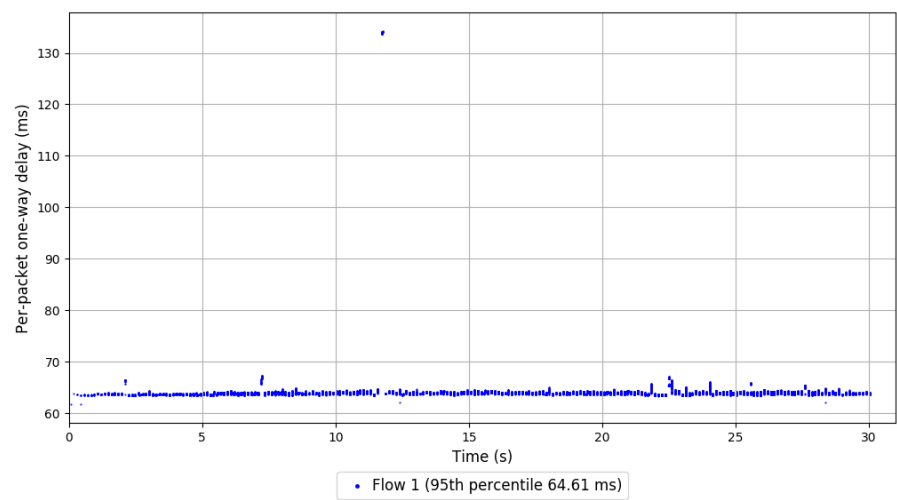
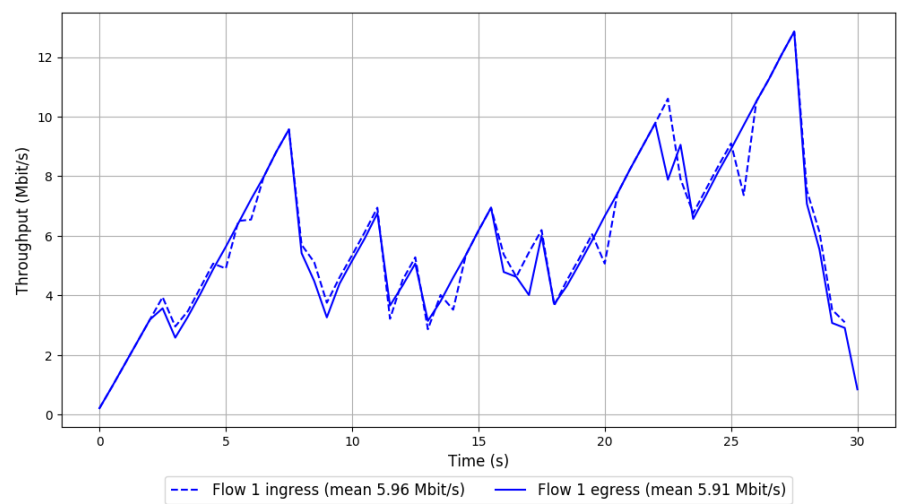
-- Flow 1:

Average throughput: 5.91 Mbit/s

95th percentile per-packet one-way delay: 64.606 ms

Loss rate: 0.83%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 20:04:57 +0000

End at: Sun, 06 Aug 2017 20:05:27 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:18:20 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 63.894 ms

Loss rate: 5.33%

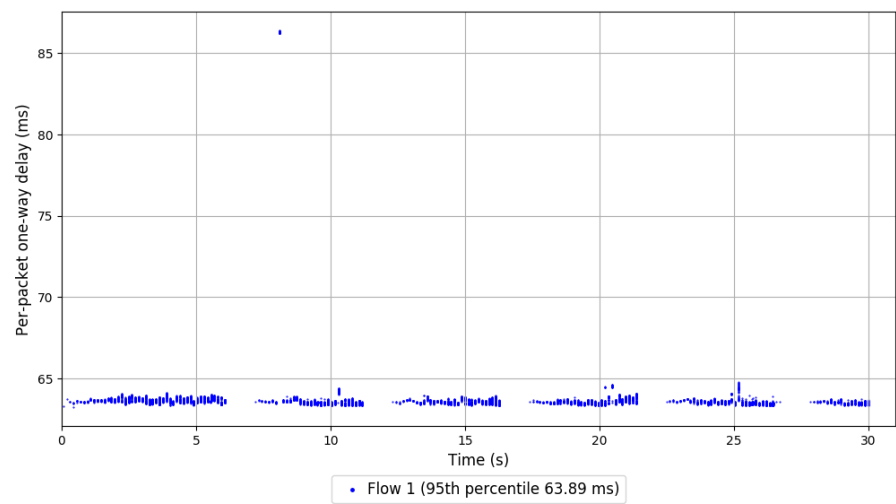
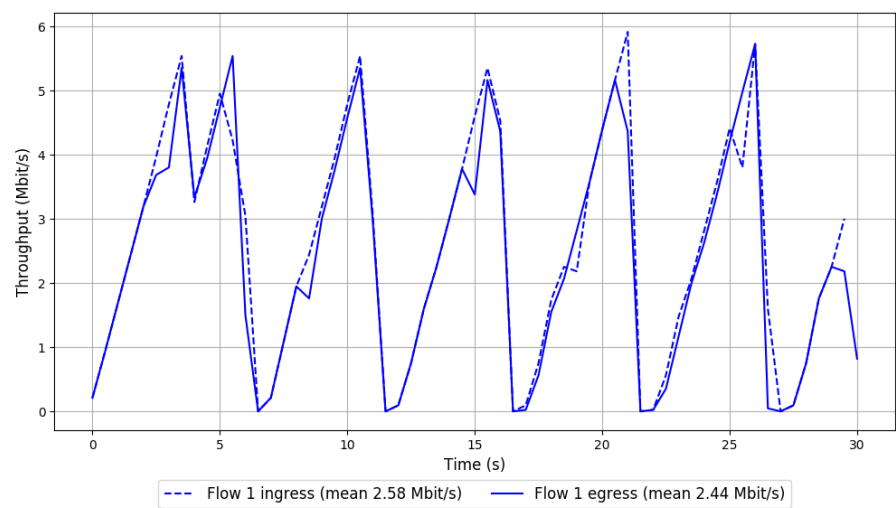
-- Flow 1:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 63.894 ms

Loss rate: 5.33%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 20:15:39 +0000

End at: Sun, 06 Aug 2017 20:16:09 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:18:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.09 Mbit/s

95th percentile per-packet one-way delay: 64.367 ms

Loss rate: 0.72%

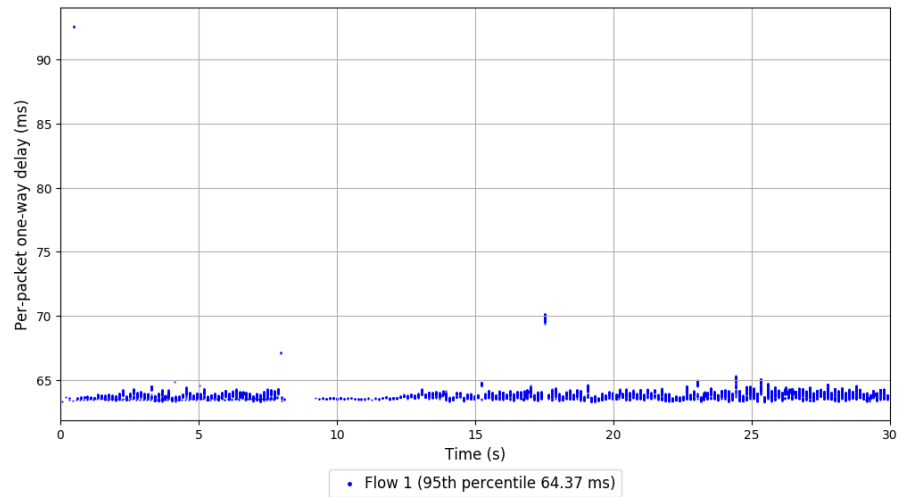
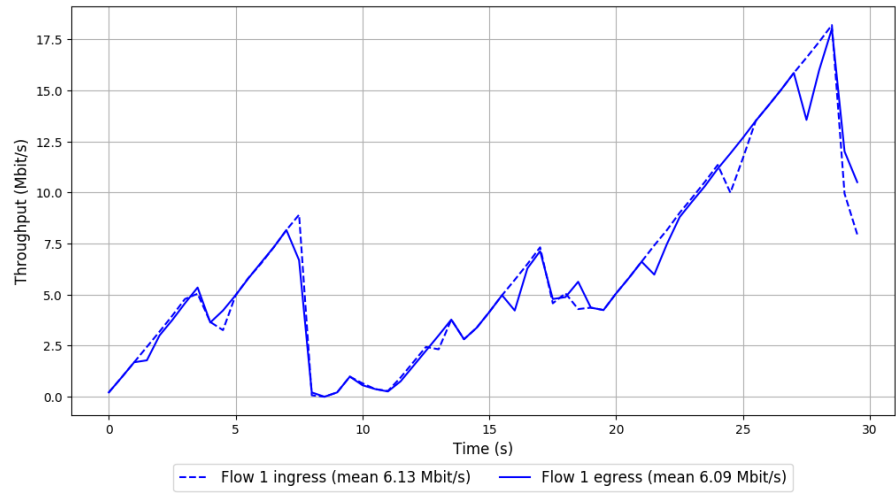
-- Flow 1:

Average throughput: 6.09 Mbit/s

95th percentile per-packet one-way delay: 64.367 ms

Loss rate: 0.72%

Run 10: Report of LEDBAT — Data Link

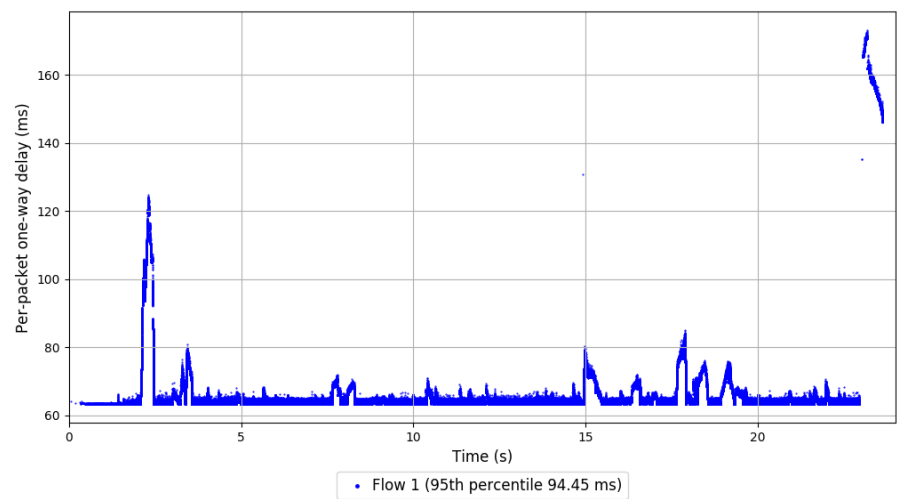
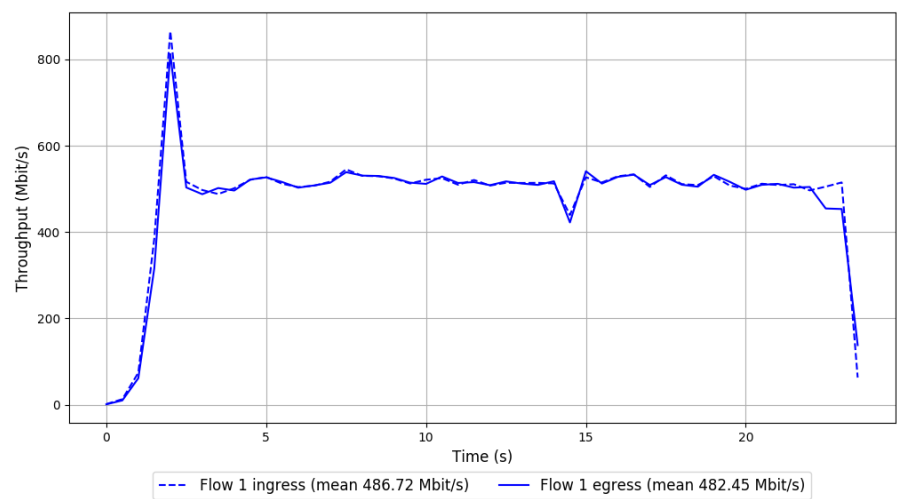


Run 1: Statistics of PCC

Start at: Sun, 06 Aug 2017 18:44:00 +0000

End at: Sun, 06 Aug 2017 18:44:30 +0000

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Sun, 06 Aug 2017 18:54:11 +0000

End at: Sun, 06 Aug 2017 18:54:41 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:19:55 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 451.81 Mbit/s

95th percentile per-packet one-way delay: 160.549 ms

Loss rate: 5.91%

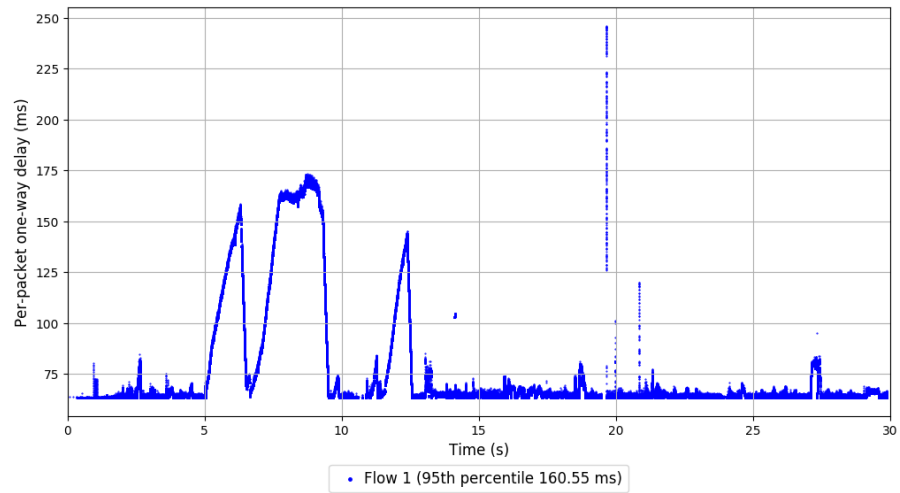
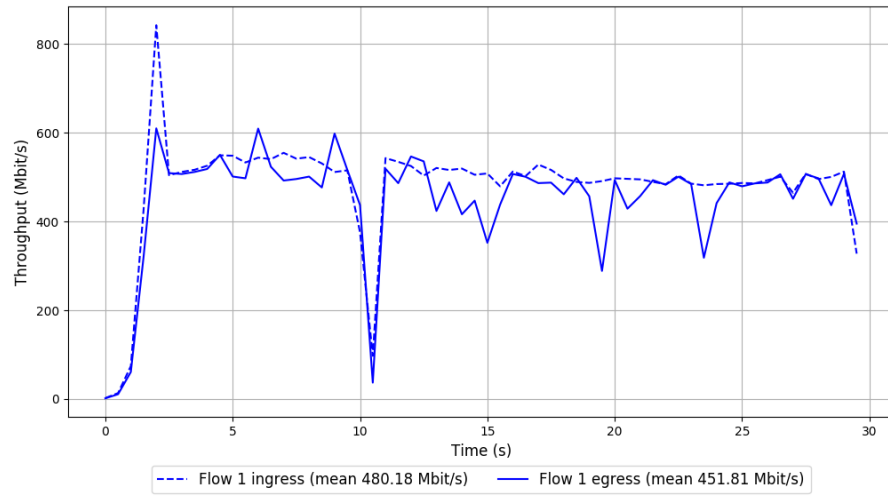
-- Flow 1:

Average throughput: 451.81 Mbit/s

95th percentile per-packet one-way delay: 160.549 ms

Loss rate: 5.91%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Sun, 06 Aug 2017 19:04:34 +0000

End at: Sun, 06 Aug 2017 19:05:04 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:20:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 139.26 Mbit/s

95th percentile per-packet one-way delay: 63.464 ms

Loss rate: 7.09%

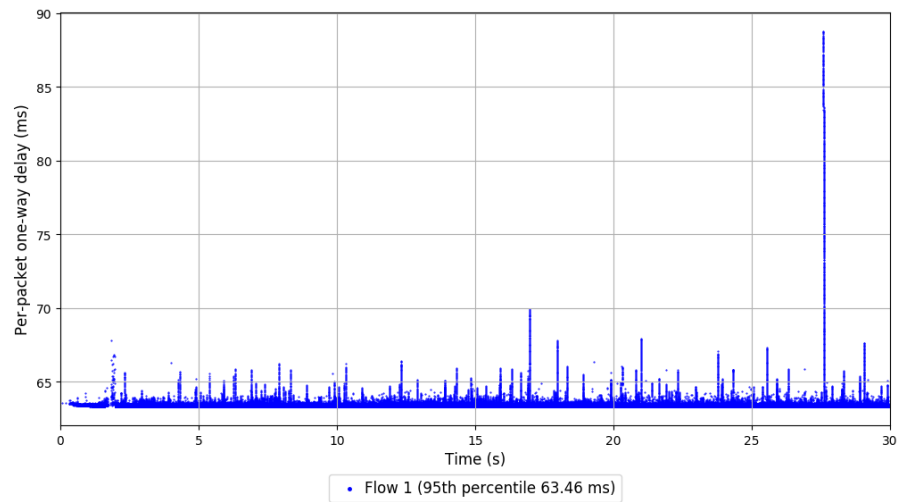
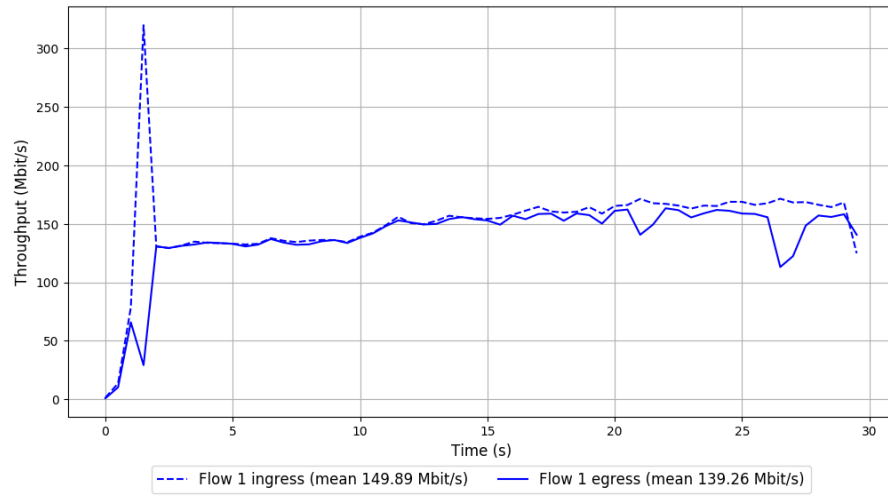
-- Flow 1:

Average throughput: 139.26 Mbit/s

95th percentile per-packet one-way delay: 63.464 ms

Loss rate: 7.09%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Sun, 06 Aug 2017 19:14:52 +0000

End at: Sun, 06 Aug 2017 19:15:22 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:21:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 491.82 Mbit/s

95th percentile per-packet one-way delay: 105.631 ms

Loss rate: 0.62%

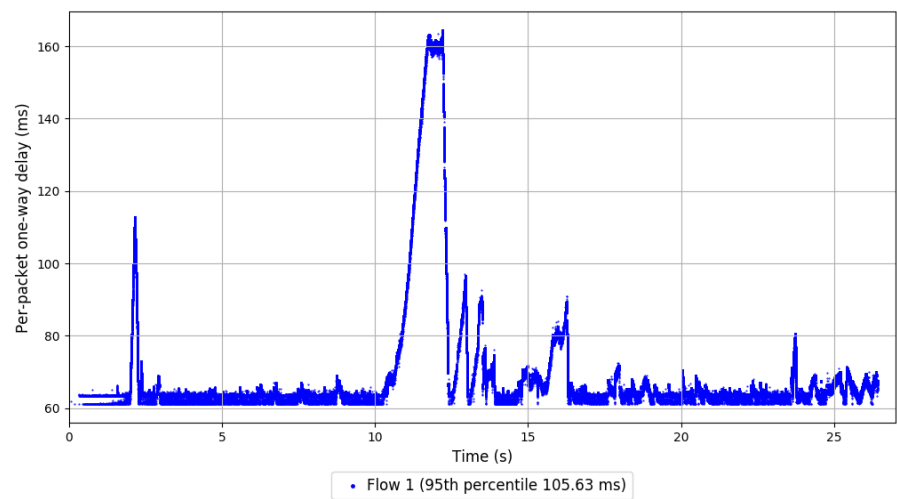
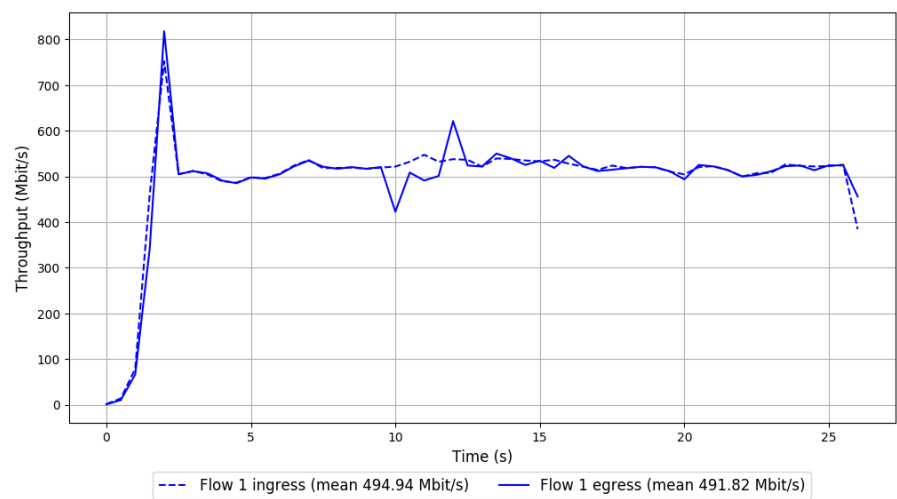
-- Flow 1:

Average throughput: 491.82 Mbit/s

95th percentile per-packet one-way delay: 105.631 ms

Loss rate: 0.62%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Sun, 06 Aug 2017 19:25:10 +0000

End at: Sun, 06 Aug 2017 19:25:40 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:21:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 455.11 Mbit/s

95th percentile per-packet one-way delay: 131.496 ms

Loss rate: 5.71%

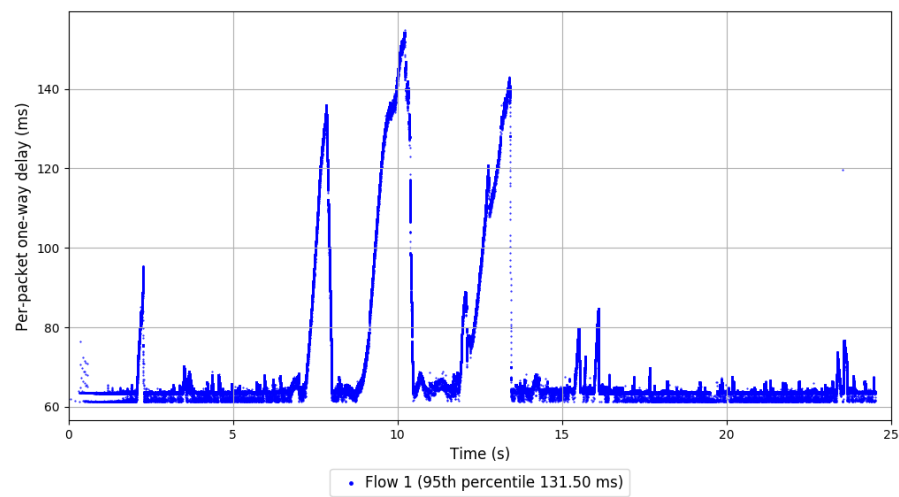
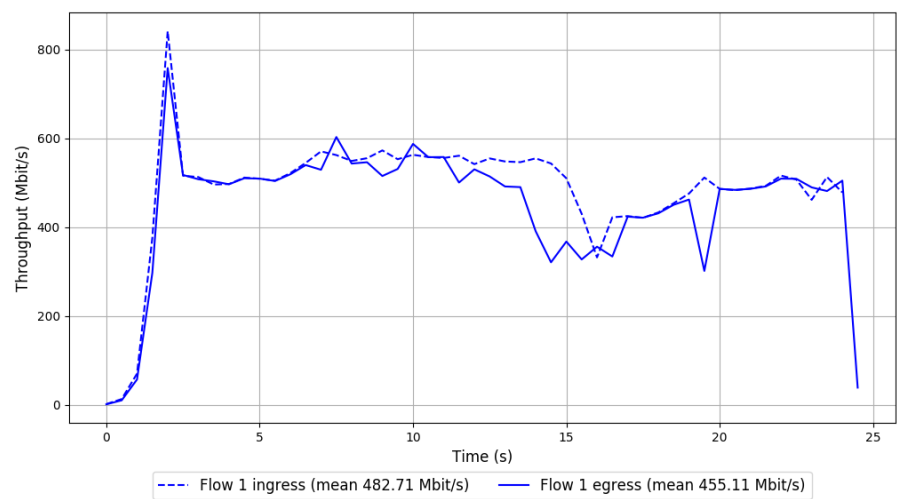
-- Flow 1:

Average throughput: 455.11 Mbit/s

95th percentile per-packet one-way delay: 131.496 ms

Loss rate: 5.71%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Sun, 06 Aug 2017 19:35:18 +0000

End at: Sun, 06 Aug 2017 19:35:48 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:21:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 145.42 Mbit/s

95th percentile per-packet one-way delay: 63.436 ms

Loss rate: 7.36%

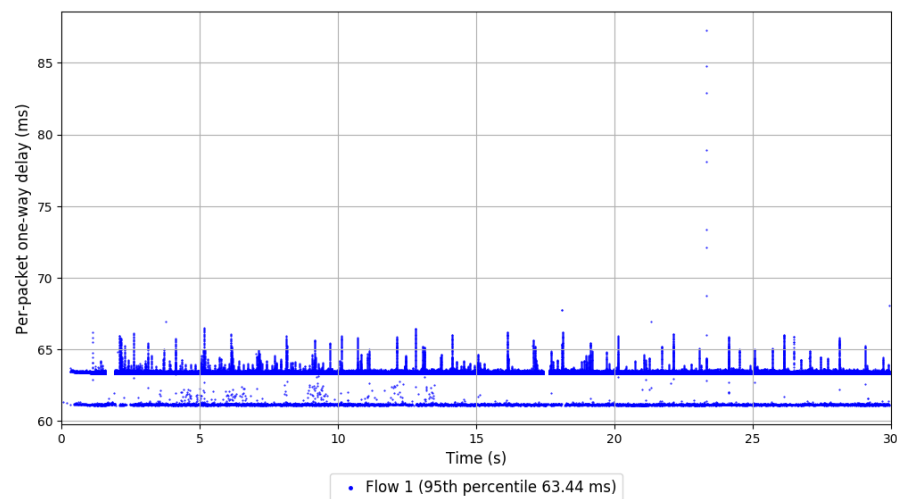
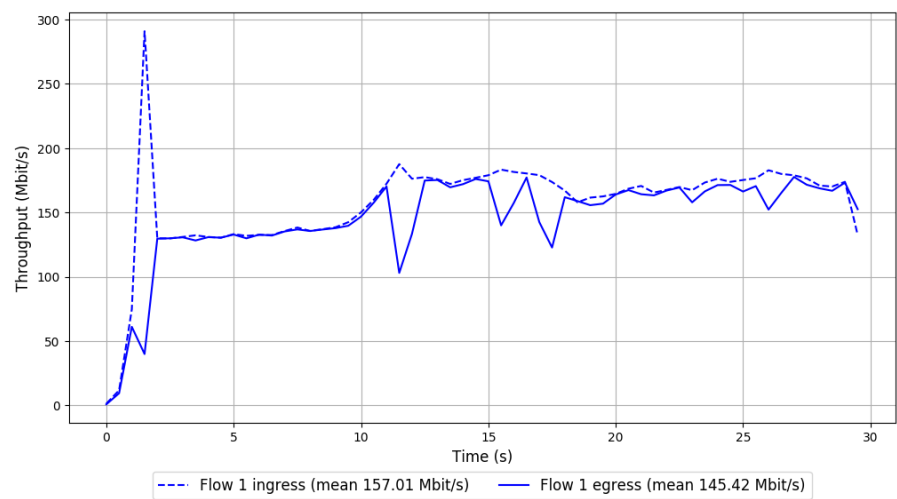
-- Flow 1:

Average throughput: 145.42 Mbit/s

95th percentile per-packet one-way delay: 63.436 ms

Loss rate: 7.36%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Sun, 06 Aug 2017 19:45:42 +0000

End at: Sun, 06 Aug 2017 19:46:12 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:22:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 477.52 Mbit/s

95th percentile per-packet one-way delay: 85.976 ms

Loss rate: 1.82%

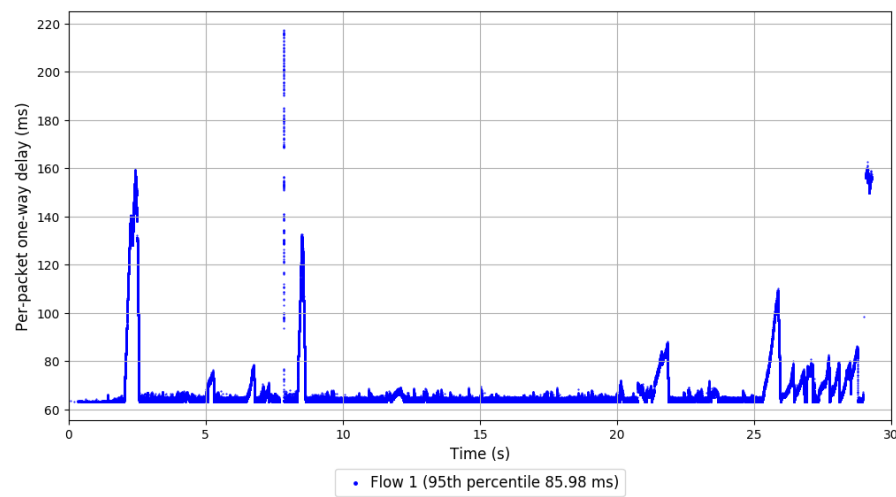
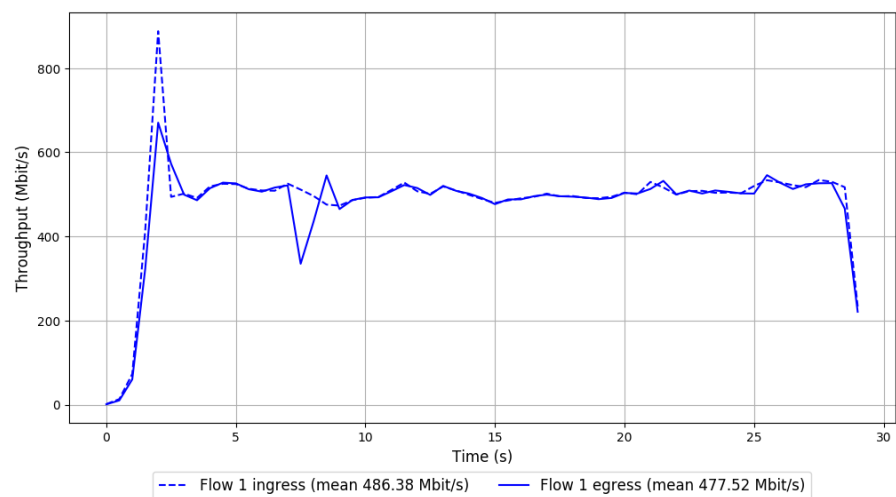
-- Flow 1:

Average throughput: 477.52 Mbit/s

95th percentile per-packet one-way delay: 85.976 ms

Loss rate: 1.82%

Run 7: Report of PCC — Data Link

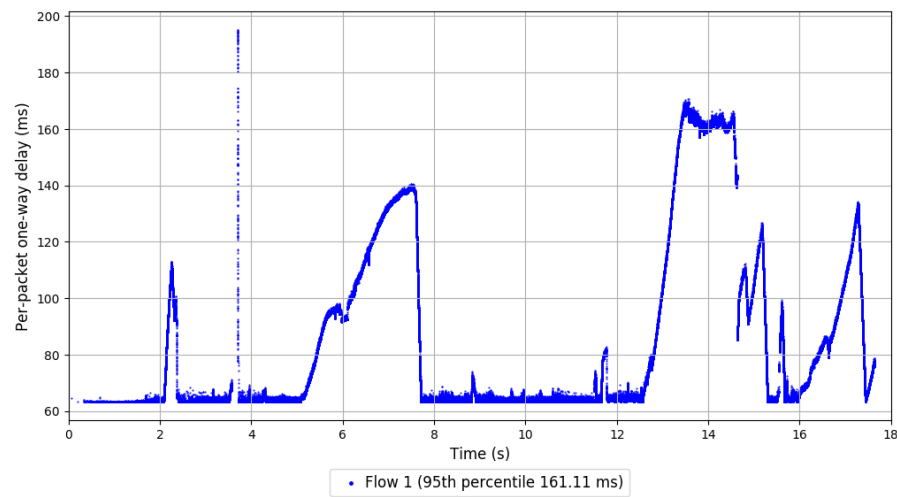
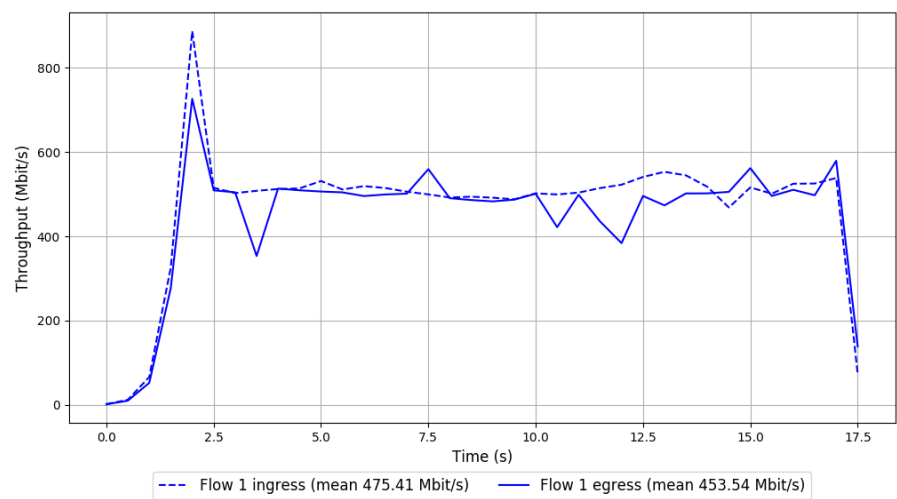


Run 8: Statistics of PCC

Start at: Sun, 06 Aug 2017 19:56:11 +0000

End at: Sun, 06 Aug 2017 19:56:41 +0000

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Sun, 06 Aug 2017 20:06:32 +0000

End at: Sun, 06 Aug 2017 20:07:02 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:24:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 447.69 Mbit/s

95th percentile per-packet one-way delay: 144.232 ms

Loss rate: 4.20%

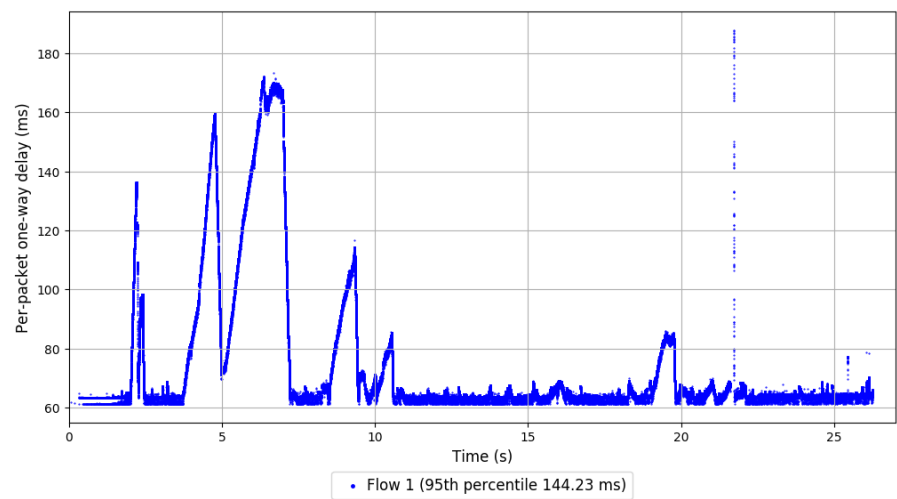
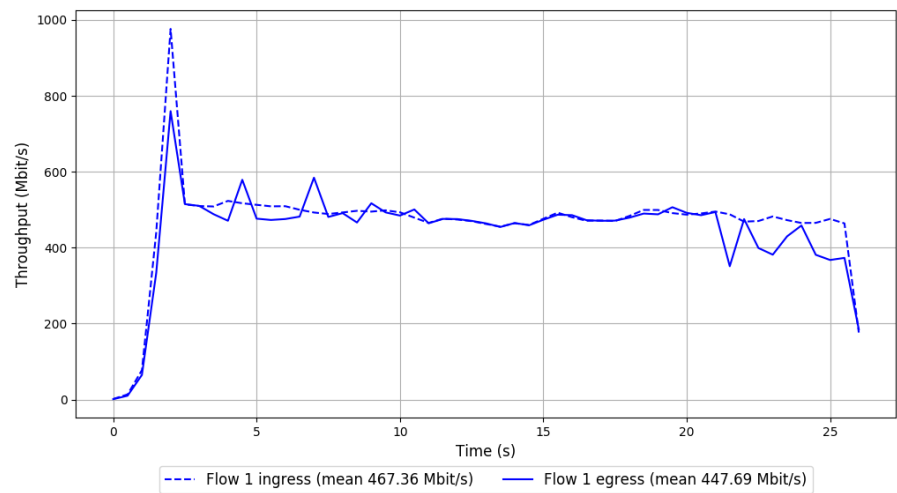
-- Flow 1:

Average throughput: 447.69 Mbit/s

95th percentile per-packet one-way delay: 144.232 ms

Loss rate: 4.20%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Sun, 06 Aug 2017 20:16:55 +0000

End at: Sun, 06 Aug 2017 20:17:25 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:24:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 490.32 Mbit/s

95th percentile per-packet one-way delay: 70.445 ms

Loss rate: 2.06%

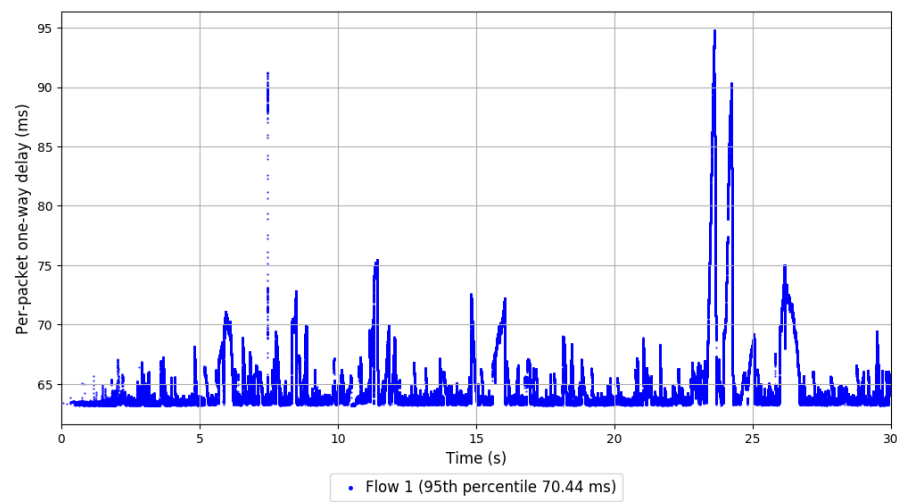
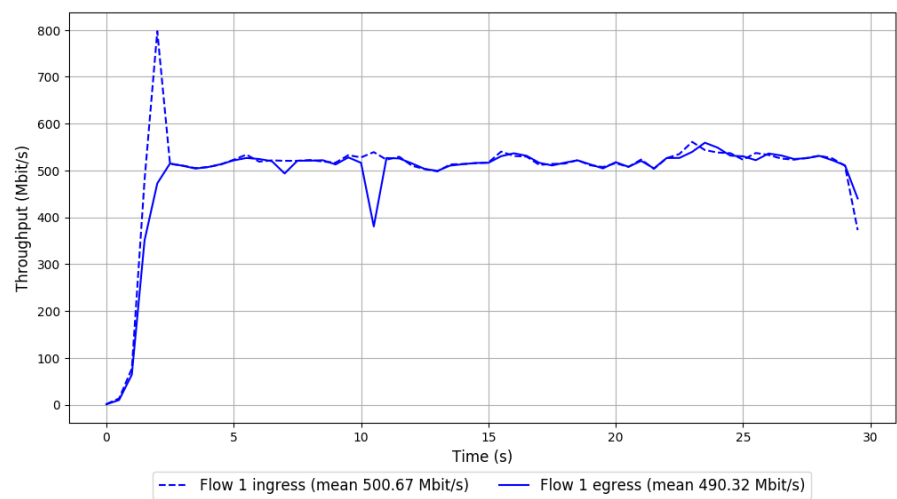
-- Flow 1:

Average throughput: 490.32 Mbit/s

95th percentile per-packet one-way delay: 70.445 ms

Loss rate: 2.06%

Run 10: Report of PCC — Data Link

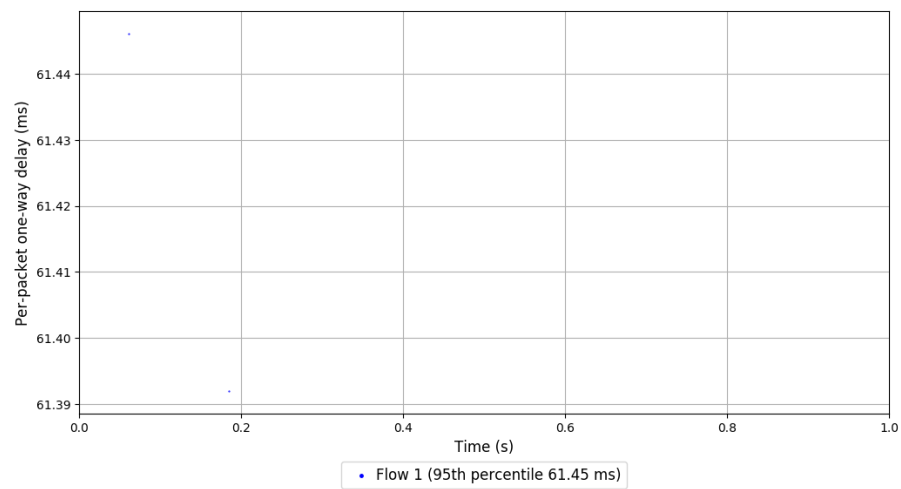
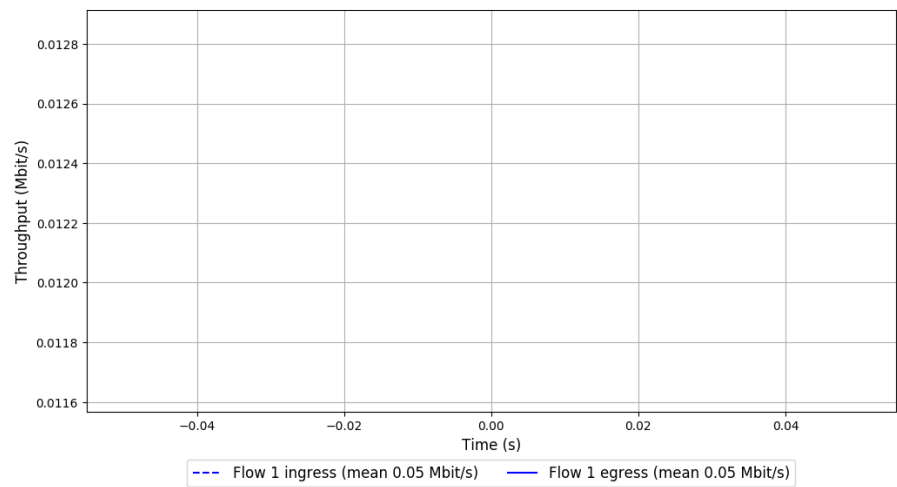


Run 1: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 18:39:54 +0000

End at: Sun, 06 Aug 2017 18:40:24 +0000

Run 1: Report of QUIC Cubic — Data Link

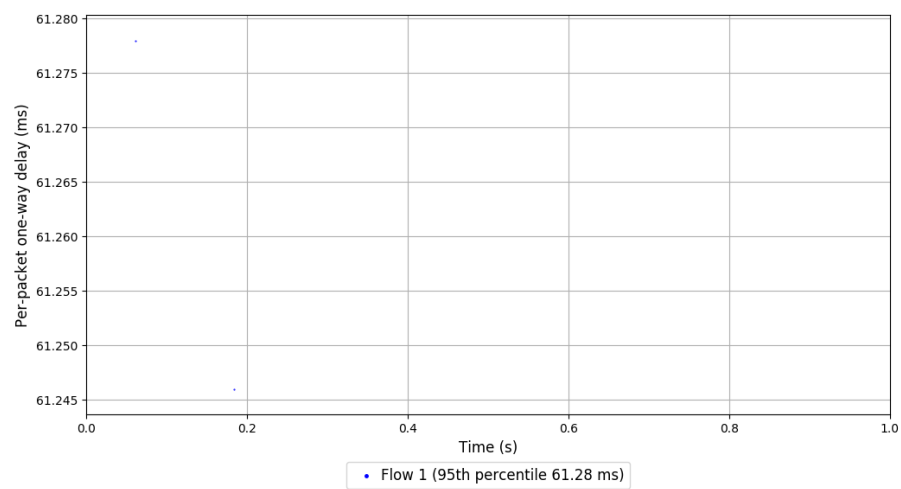
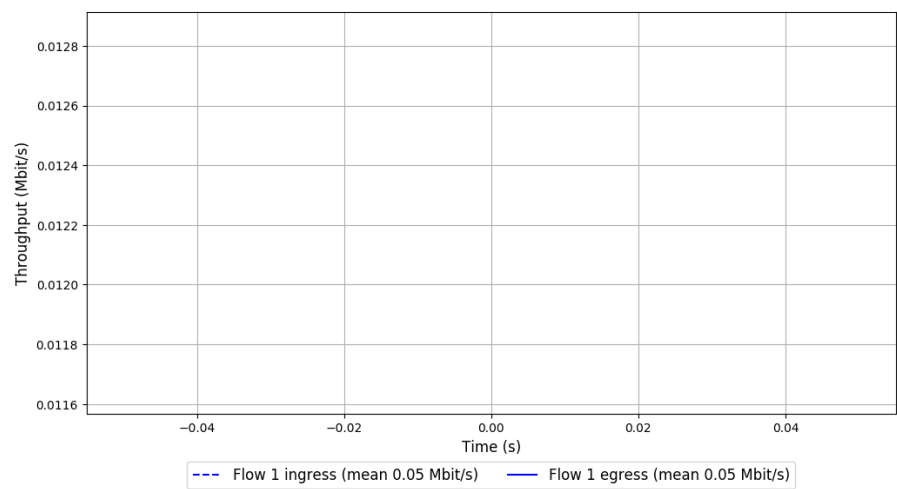


Run 2: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 18:50:08 +0000

End at: Sun, 06 Aug 2017 18:50:38 +0000

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 19:00:39 +0000

End at: Sun, 06 Aug 2017 19:01:09 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:24:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.35 Mbit/s

95th percentile per-packet one-way delay: 63.419 ms

Loss rate: 0.00%

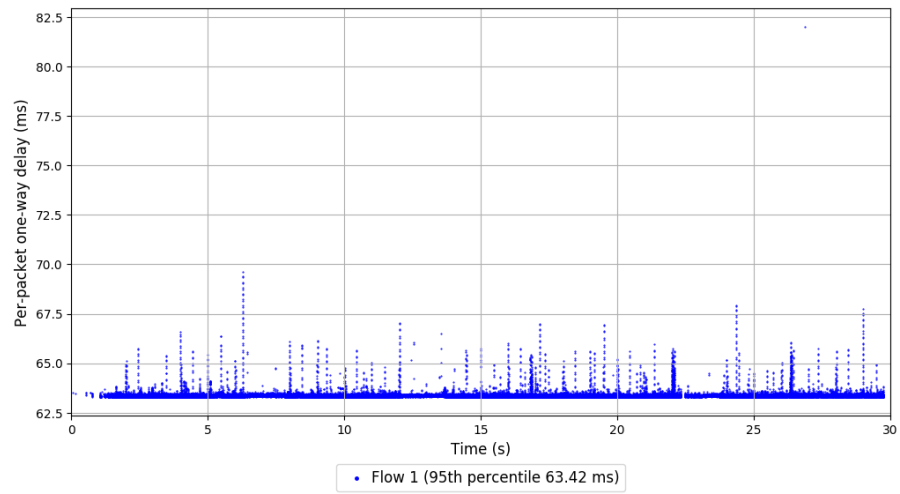
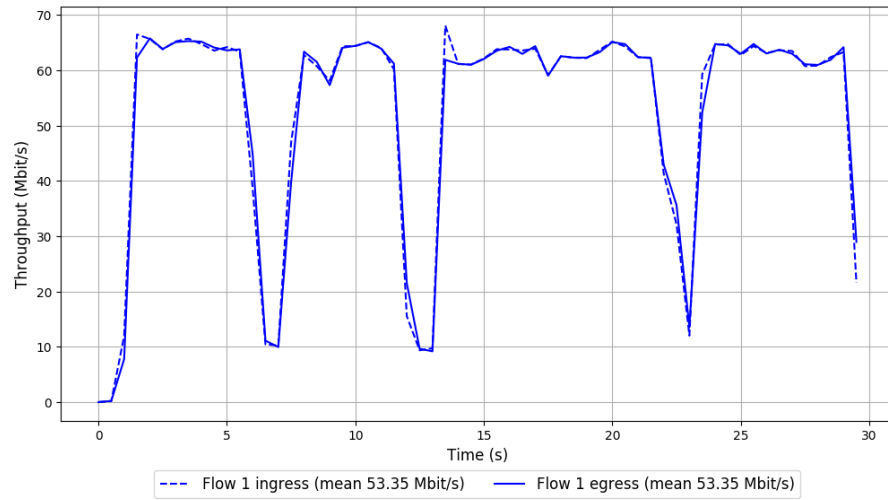
-- Flow 1:

Average throughput: 53.35 Mbit/s

95th percentile per-packet one-way delay: 63.419 ms

Loss rate: 0.00%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 19:10:39 +0000

End at: Sun, 06 Aug 2017 19:11:09 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:24:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.21 Mbit/s

95th percentile per-packet one-way delay: 63.461 ms

Loss rate: 0.00%

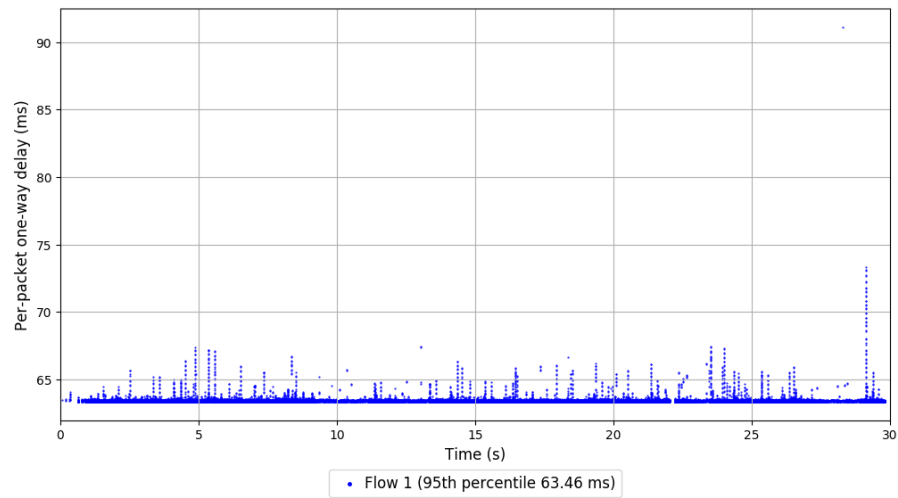
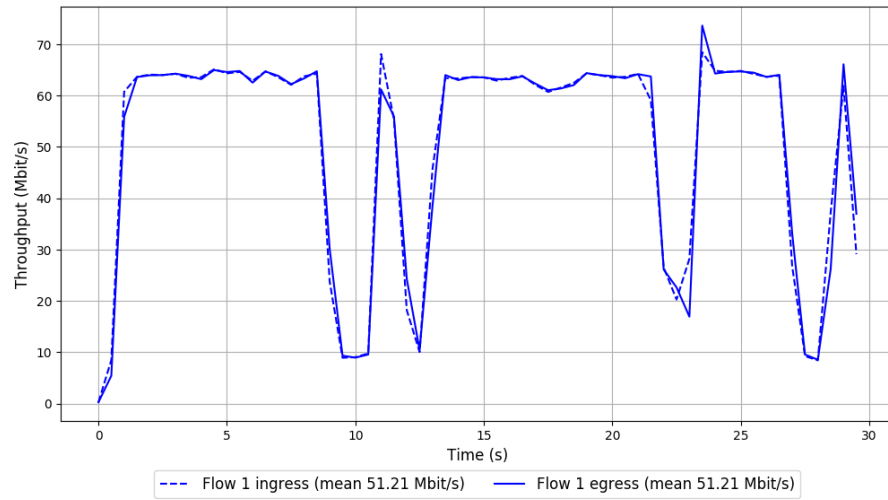
-- Flow 1:

Average throughput: 51.21 Mbit/s

95th percentile per-packet one-way delay: 63.461 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 19:21:01 +0000

End at: Sun, 06 Aug 2017 19:21:31 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:24:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.62 Mbit/s

95th percentile per-packet one-way delay: 63.428 ms

Loss rate: 0.00%

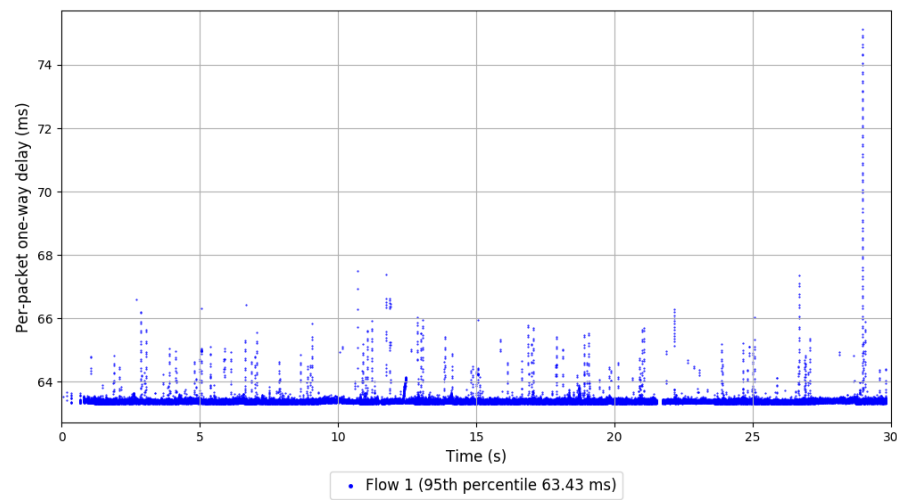
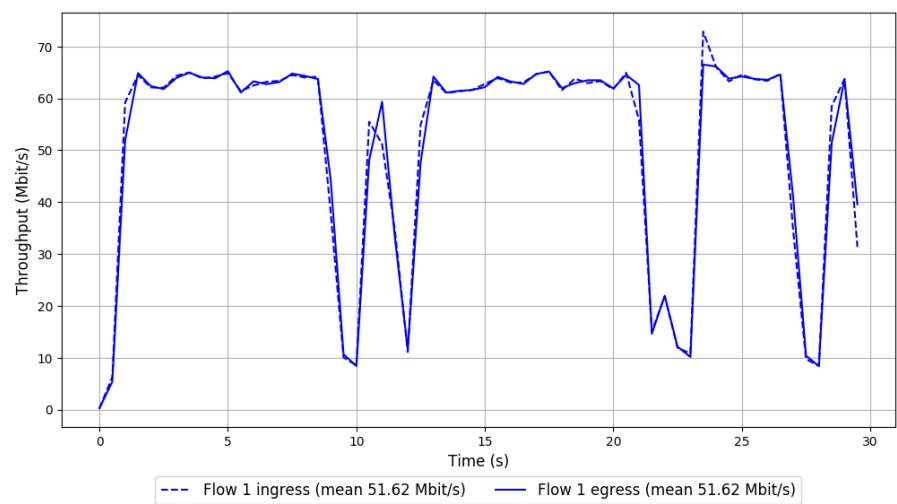
-- Flow 1:

Average throughput: 51.62 Mbit/s

95th percentile per-packet one-way delay: 63.428 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 19:31:28 +0000

End at: Sun, 06 Aug 2017 19:31:58 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:24:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.65 Mbit/s

95th percentile per-packet one-way delay: 63.376 ms

Loss rate: 0.00%

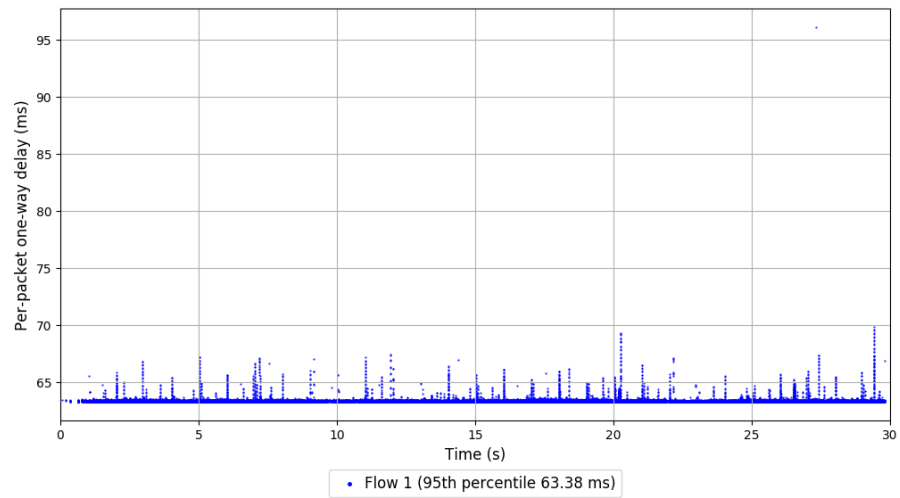
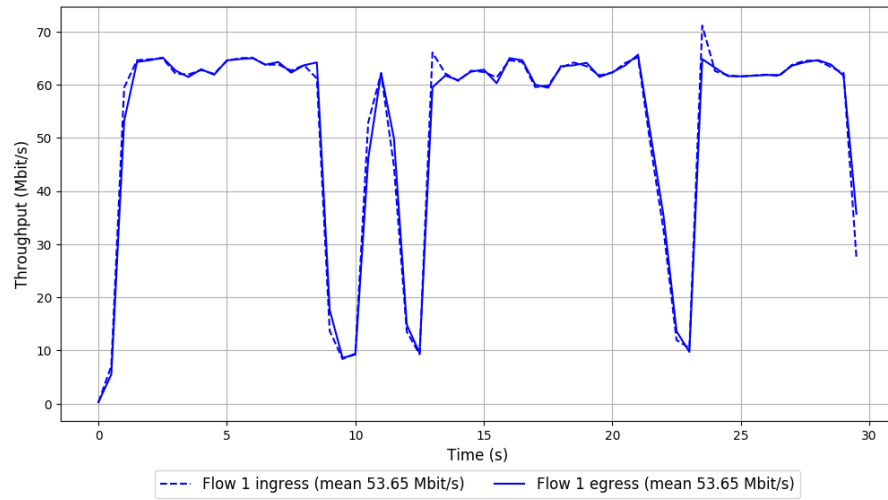
-- Flow 1:

Average throughput: 53.65 Mbit/s

95th percentile per-packet one-way delay: 63.376 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 19:41:26 +0000

End at: Sun, 06 Aug 2017 19:41:56 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:24:43 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.58 Mbit/s

95th percentile per-packet one-way delay: 66.660 ms

Loss rate: 0.00%

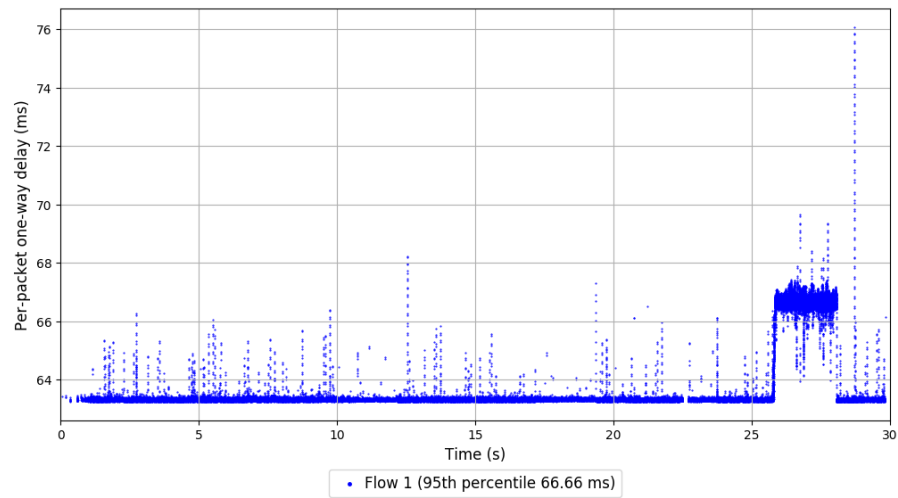
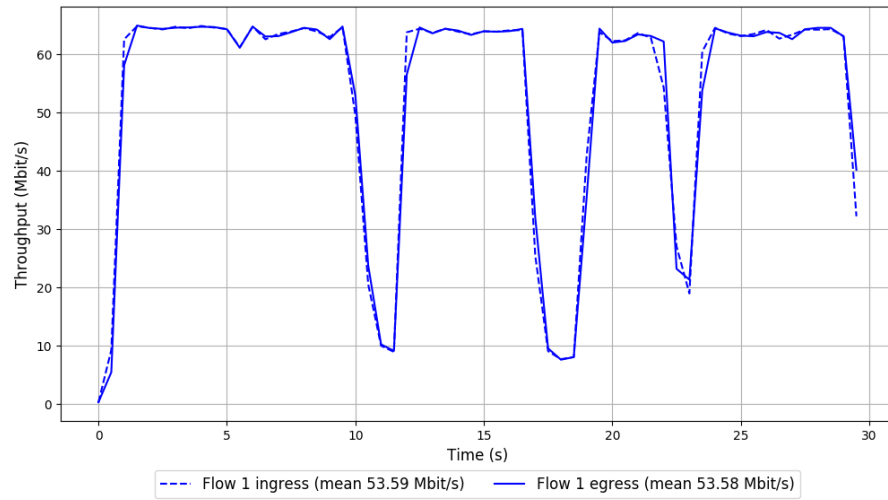
-- Flow 1:

Average throughput: 53.58 Mbit/s

95th percentile per-packet one-way delay: 66.660 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 19:51:58 +0000

End at: Sun, 06 Aug 2017 19:52:28 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:24:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.54 Mbit/s

95th percentile per-packet one-way delay: 63.479 ms

Loss rate: 0.00%

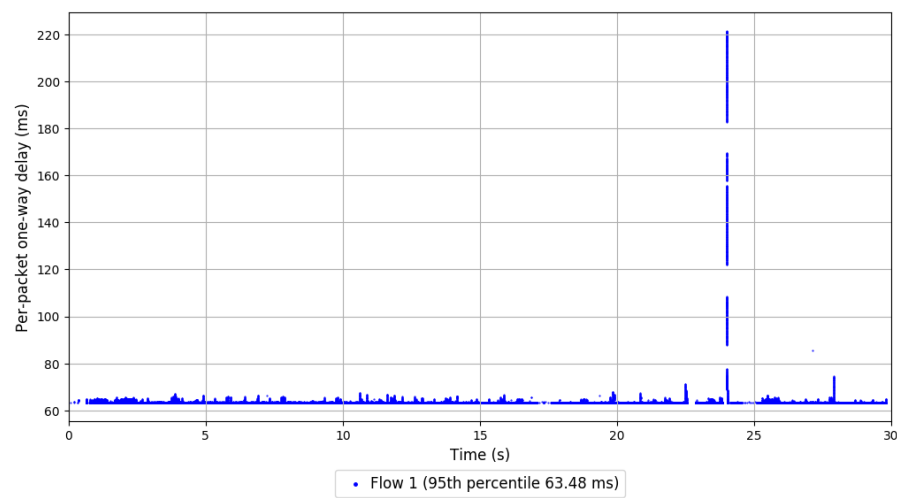
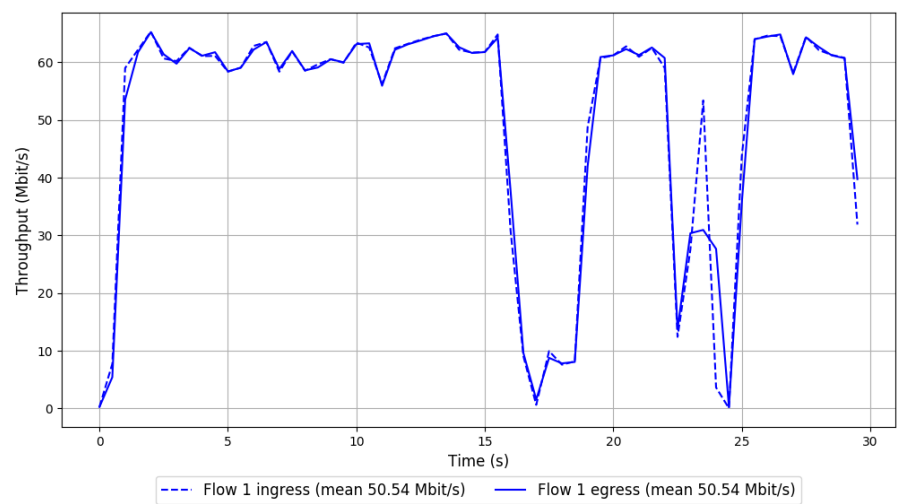
-- Flow 1:

Average throughput: 50.54 Mbit/s

95th percentile per-packet one-way delay: 63.479 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 20:02:23 +0000

End at: Sun, 06 Aug 2017 20:02:53 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:24:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.60 Mbit/s

95th percentile per-packet one-way delay: 63.409 ms

Loss rate: 0.00%

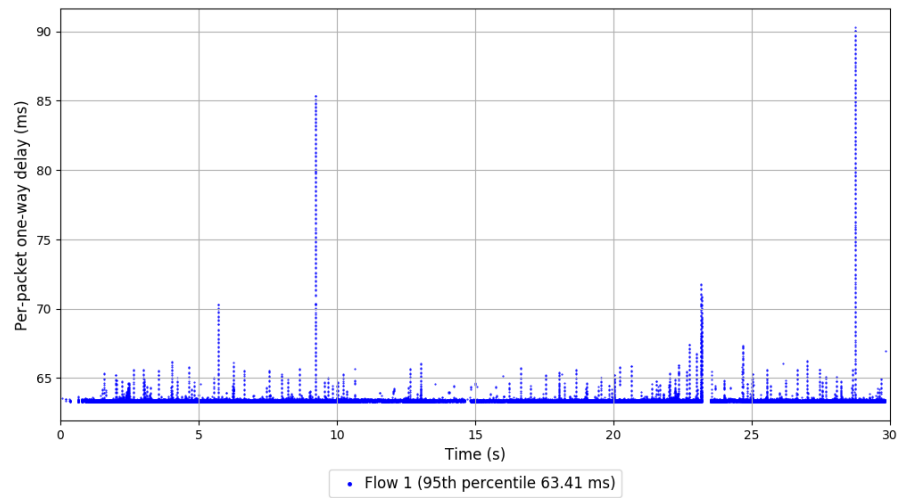
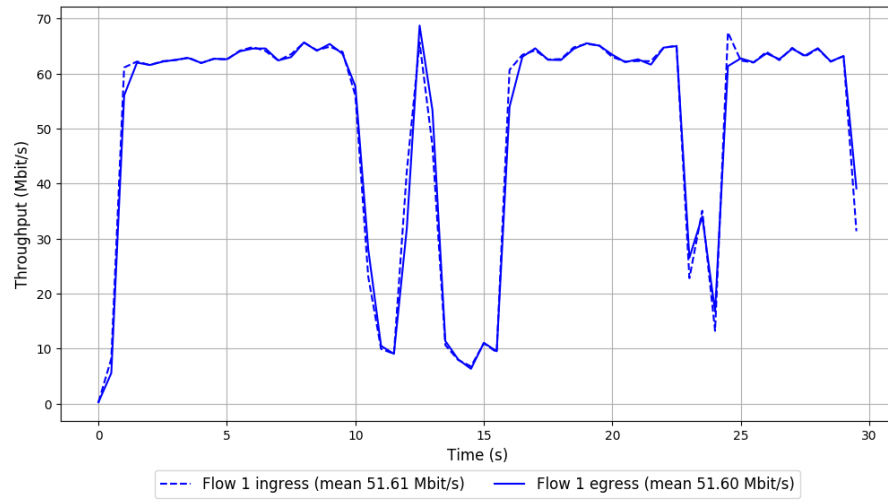
-- Flow 1:

Average throughput: 51.60 Mbit/s

95th percentile per-packet one-way delay: 63.409 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 20:13:01 +0000

End at: Sun, 06 Aug 2017 20:13:31 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:25:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 56.32 Mbit/s

95th percentile per-packet one-way delay: 63.182 ms

Loss rate: 0.00%

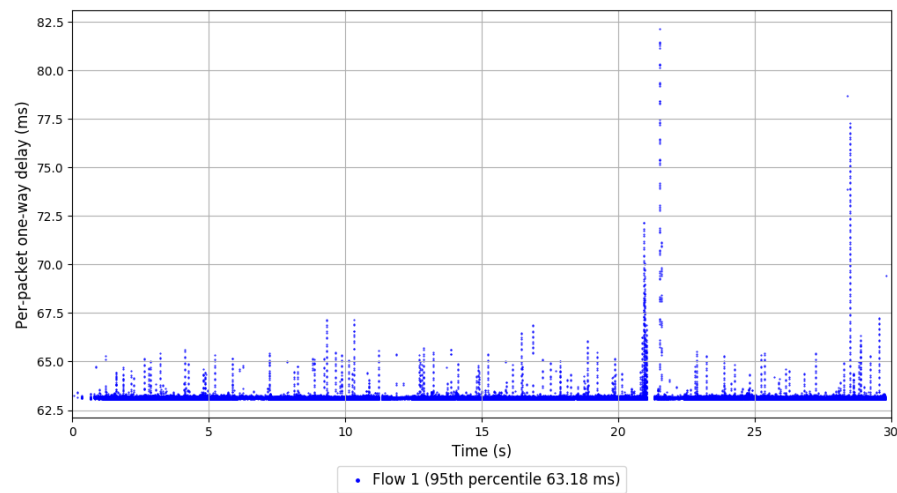
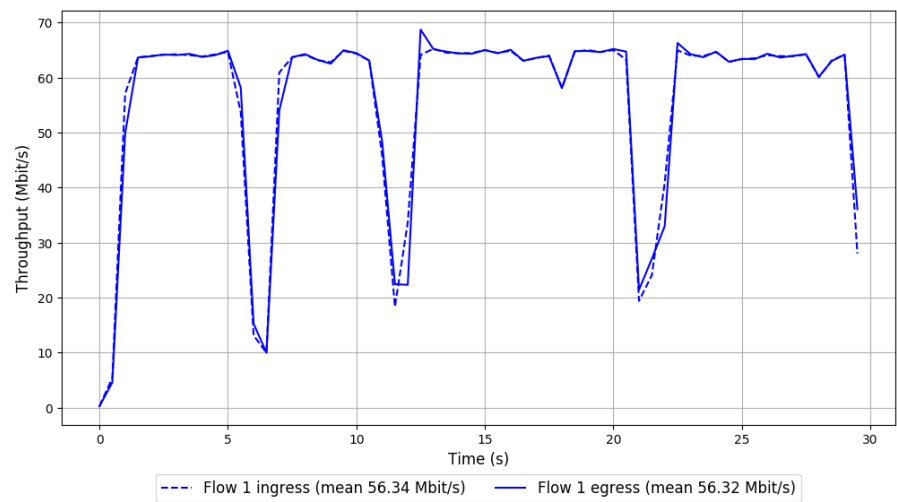
-- Flow 1:

Average throughput: 56.32 Mbit/s

95th percentile per-packet one-way delay: 63.182 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

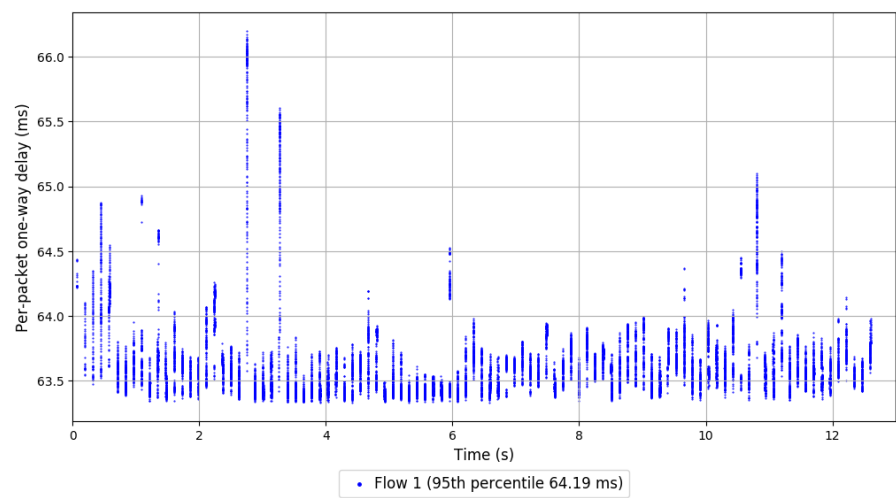
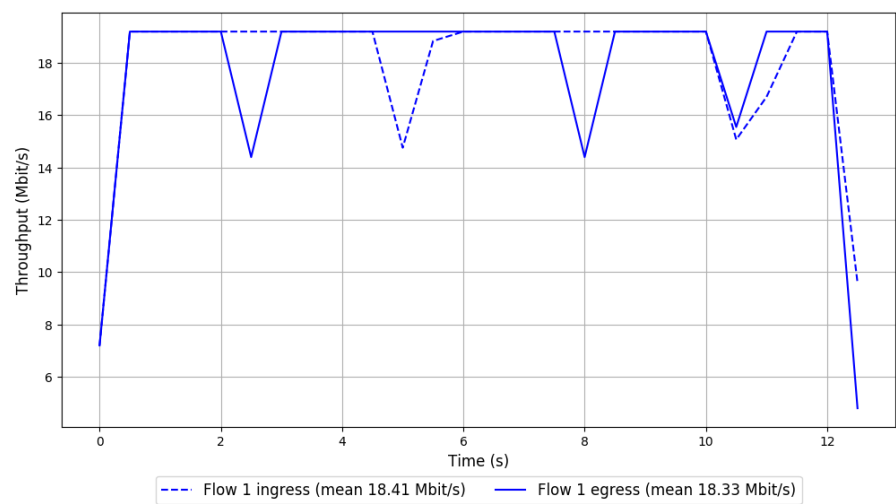


Run 1: Statistics of Saturator

Start at: Sun, 06 Aug 2017 18:39:15 +0000

End at: Sun, 06 Aug 2017 18:39:45 +0000

Run 1: Report of Saturator — Data Link

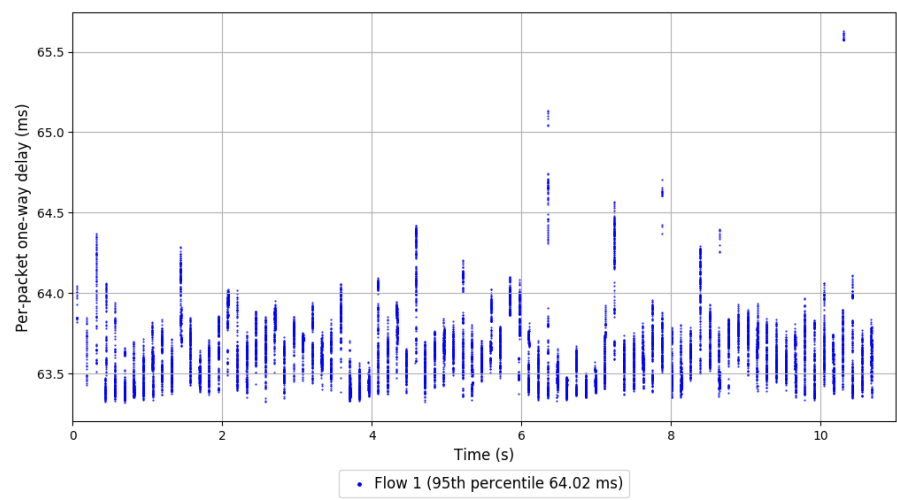
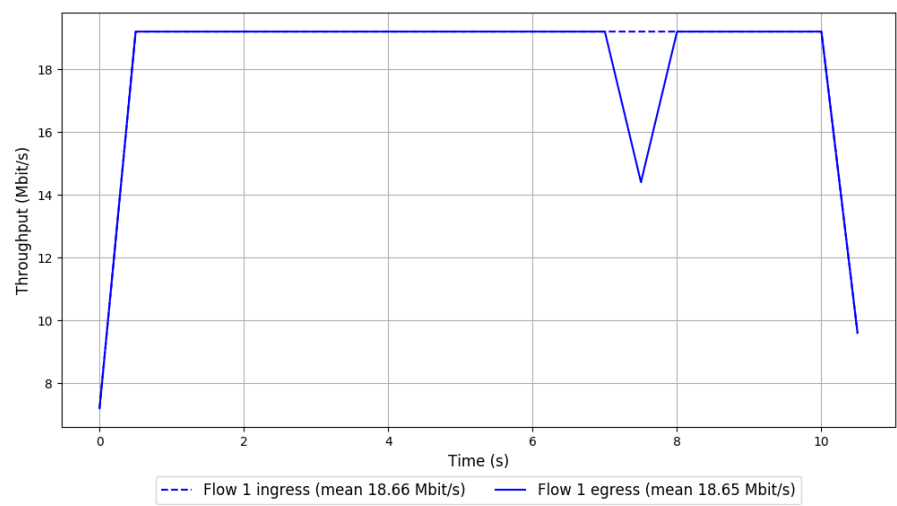


Run 2: Statistics of Saturator

Start at: Sun, 06 Aug 2017 18:49:30 +0000

End at: Sun, 06 Aug 2017 18:50:00 +0000

Run 2: Report of Saturator — Data Link

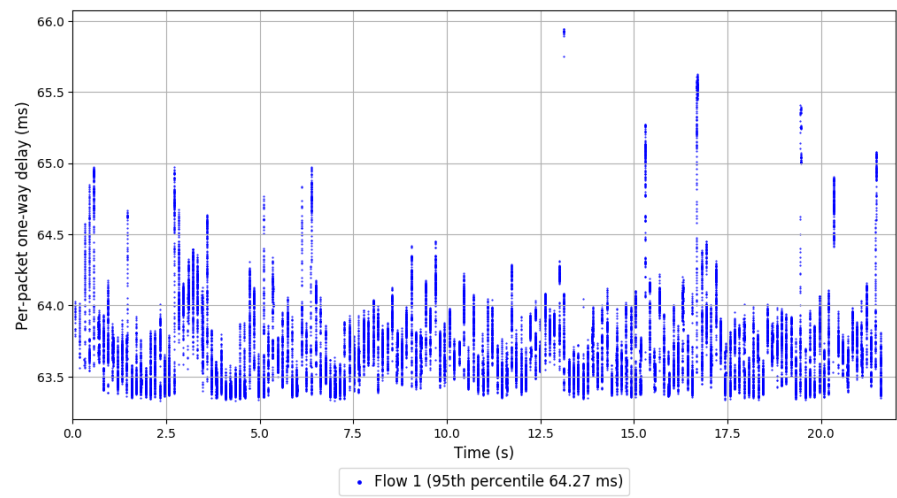
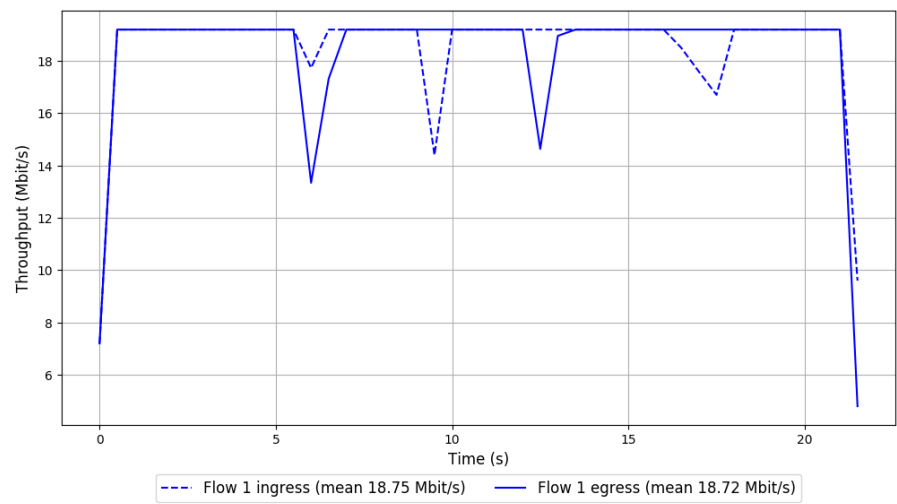


Run 3: Statistics of Saturator

Start at: Sun, 06 Aug 2017 19:00:00 +0000

End at: Sun, 06 Aug 2017 19:00:31 +0000

Run 3: Report of Saturator — Data Link

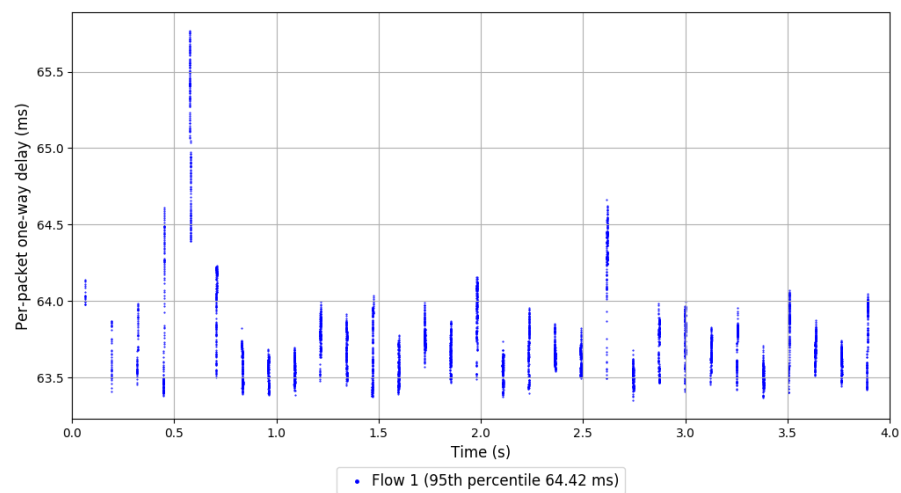
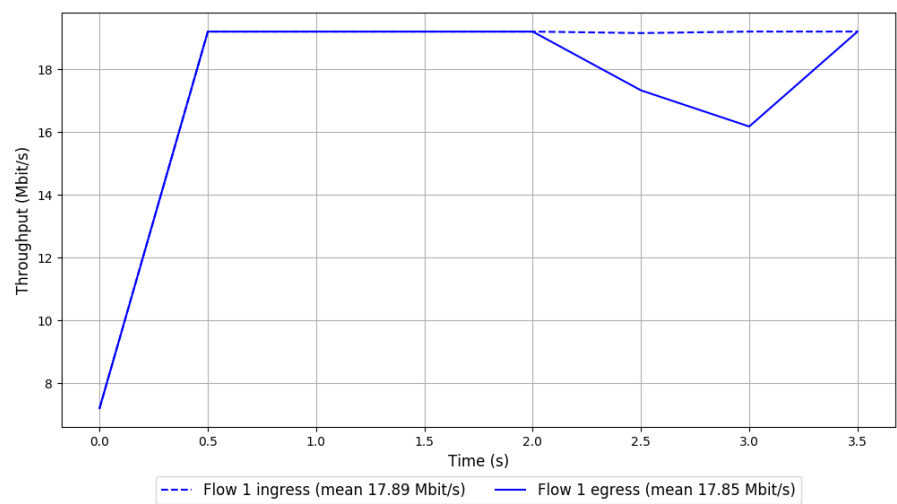


Run 4: Statistics of Saturator

Start at: Sun, 06 Aug 2017 19:10:02 +0000

End at: Sun, 06 Aug 2017 19:10:32 +0000

Run 4: Report of Saturator — Data Link

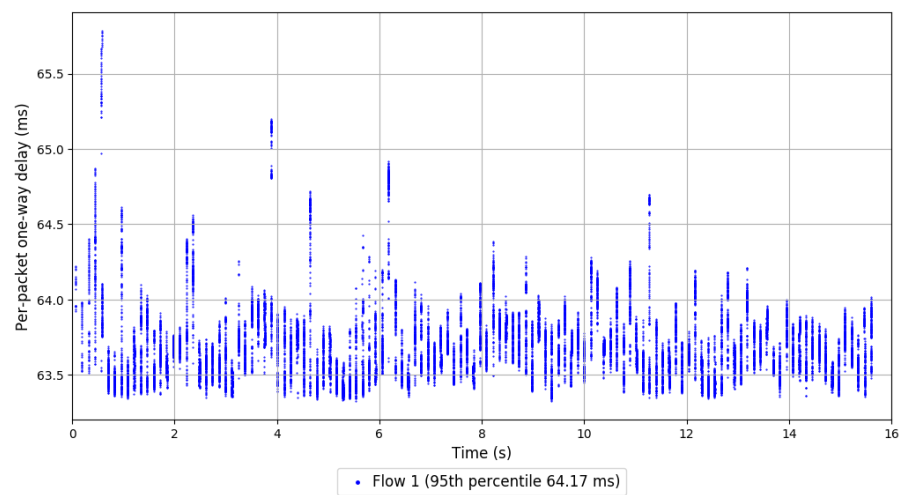
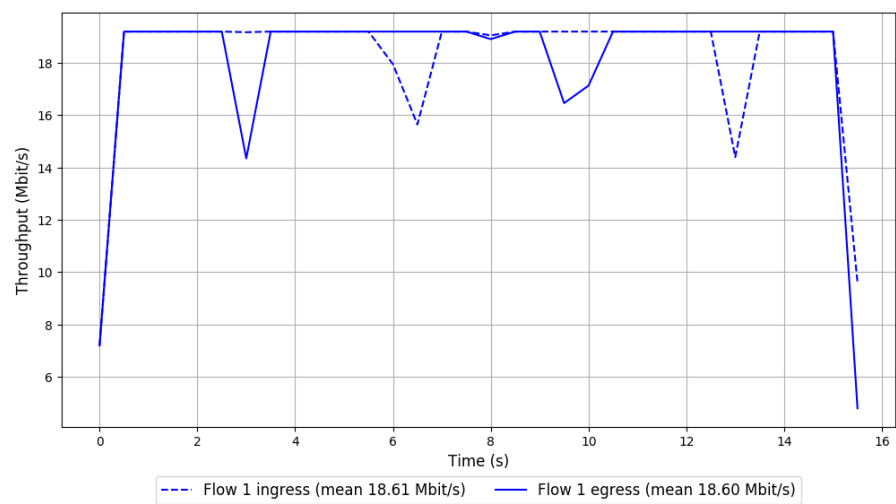


Run 5: Statistics of Saturator

Start at: Sun, 06 Aug 2017 19:20:22 +0000

End at: Sun, 06 Aug 2017 19:20:52 +0000

Run 5: Report of Saturator — Data Link

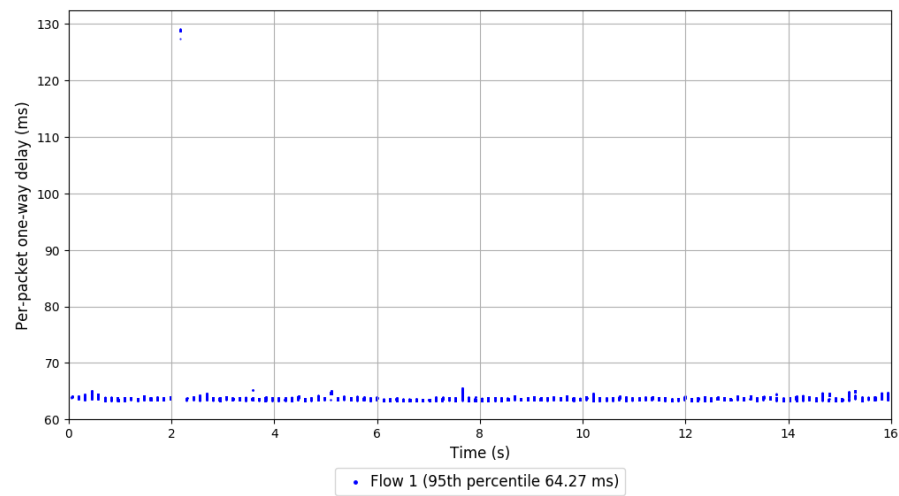
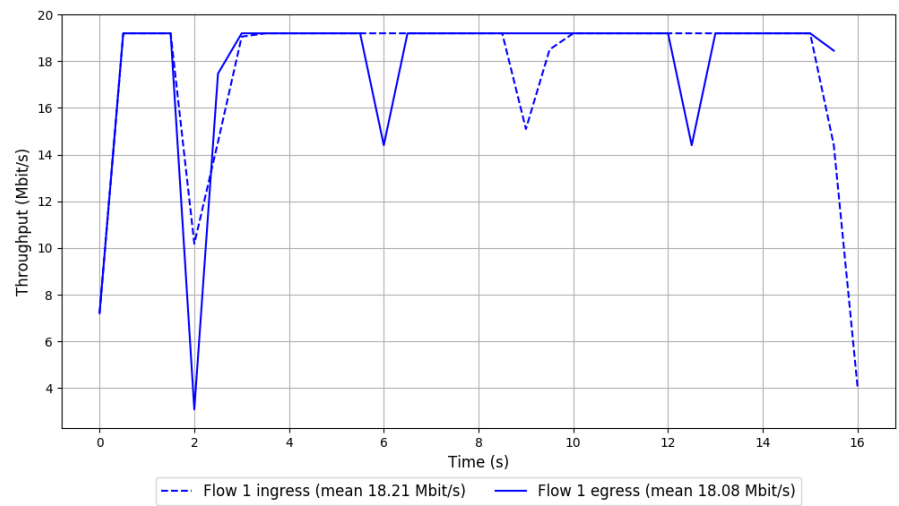


Run 6: Statistics of Saturator

Start at: Sun, 06 Aug 2017 19:30:49 +0000

End at: Sun, 06 Aug 2017 19:31:19 +0000

Run 6: Report of Saturator — Data Link

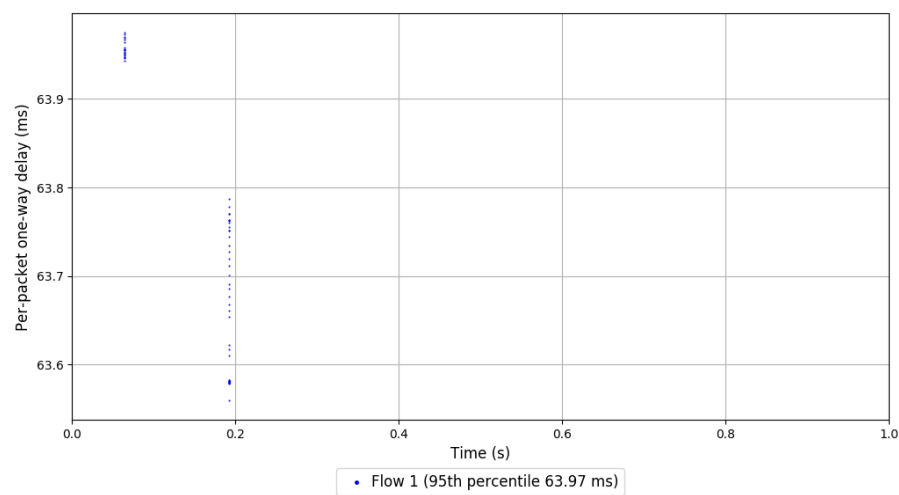
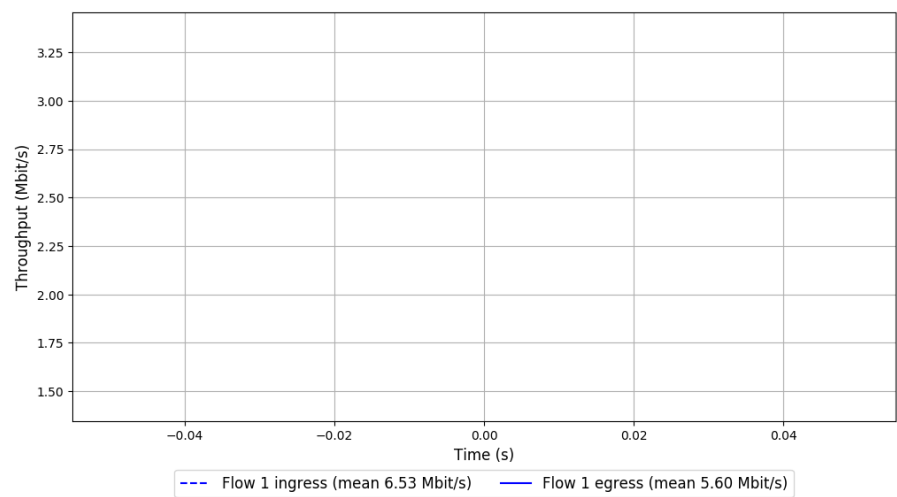


Run 7: Statistics of Saturator

Start at: Sun, 06 Aug 2017 19:40:49 +0000

End at: Sun, 06 Aug 2017 19:41:19 +0000

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Sun, 06 Aug 2017 19:51:19 +0000

End at: Sun, 06 Aug 2017 19:51:49 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:25:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.45 Mbit/s

95th percentile per-packet one-way delay: 64.161 ms

Loss rate: 0.70%

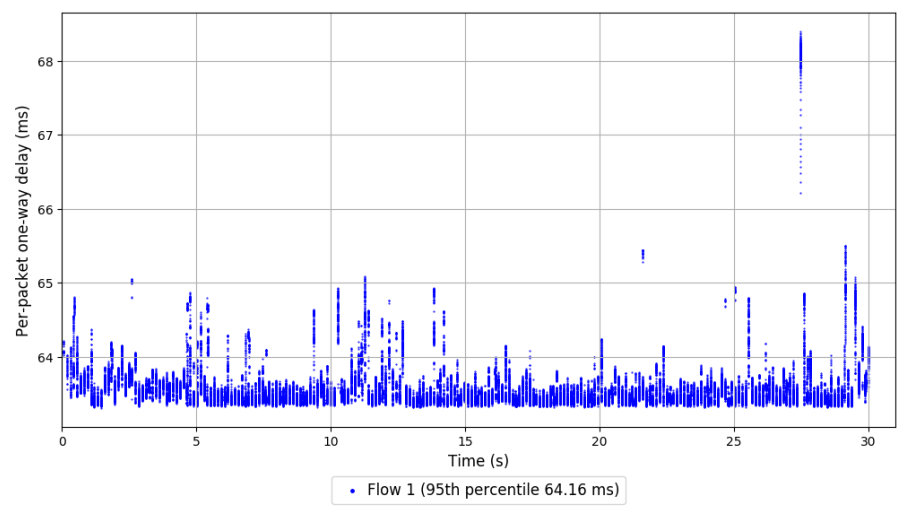
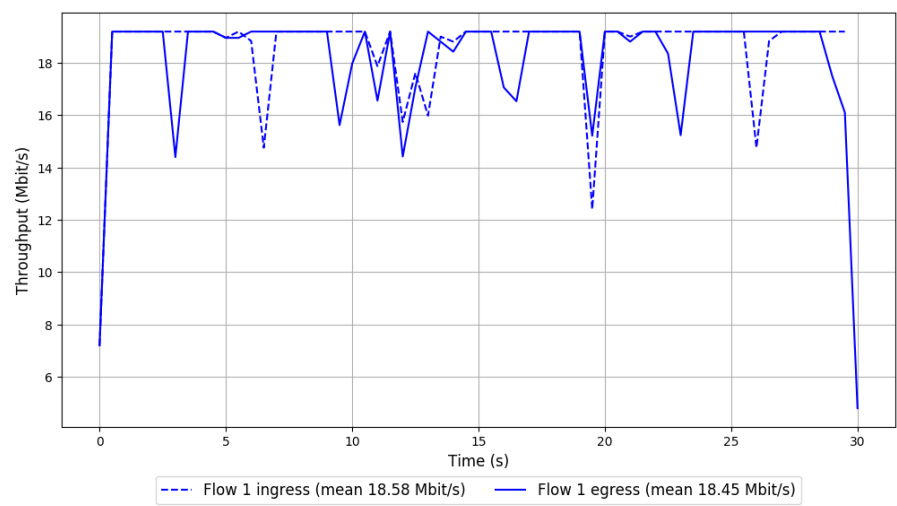
-- Flow 1:

Average throughput: 18.45 Mbit/s

95th percentile per-packet one-way delay: 64.161 ms

Loss rate: 0.70%

Run 8: Report of Saturator — Data Link

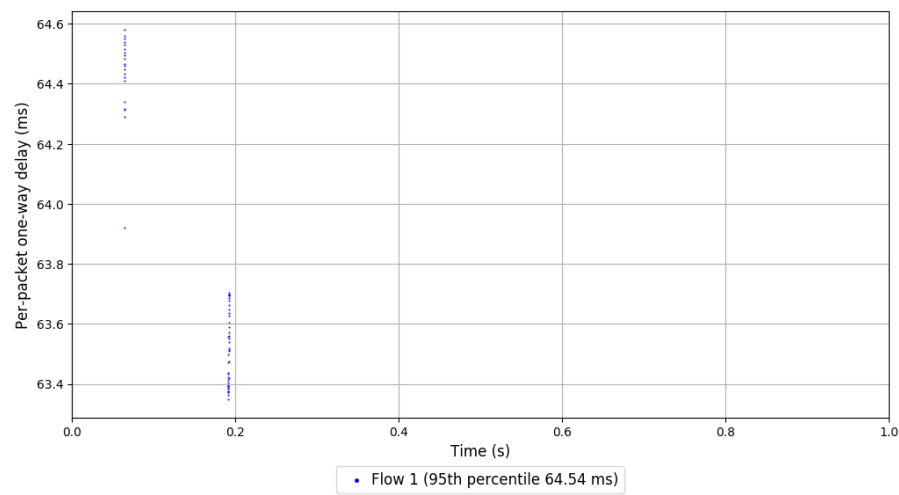
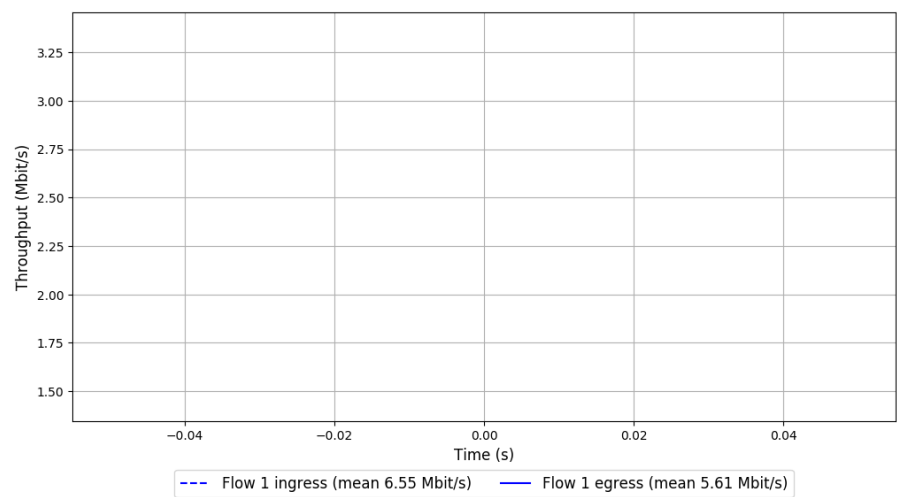


Run 9: Statistics of Saturator

Start at: Sun, 06 Aug 2017 20:01:46 +0000

End at: Sun, 06 Aug 2017 20:02:16 +0000

Run 9: Report of Saturator — Data Link

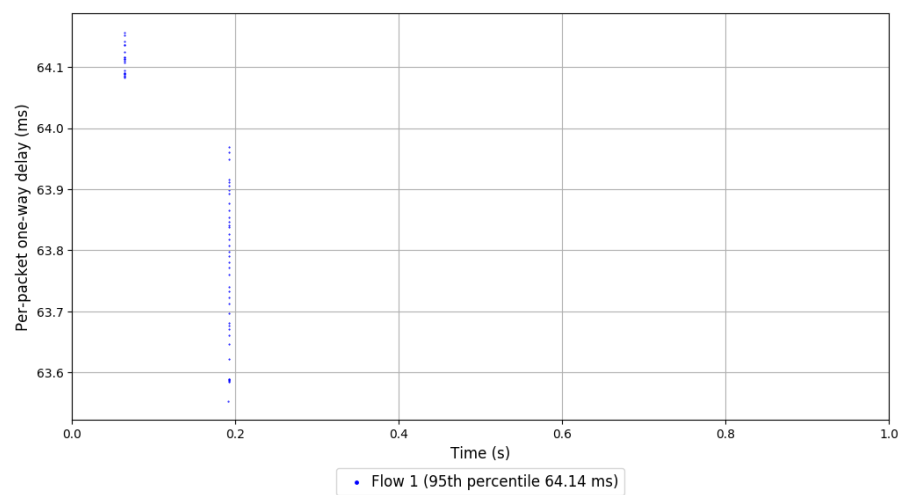
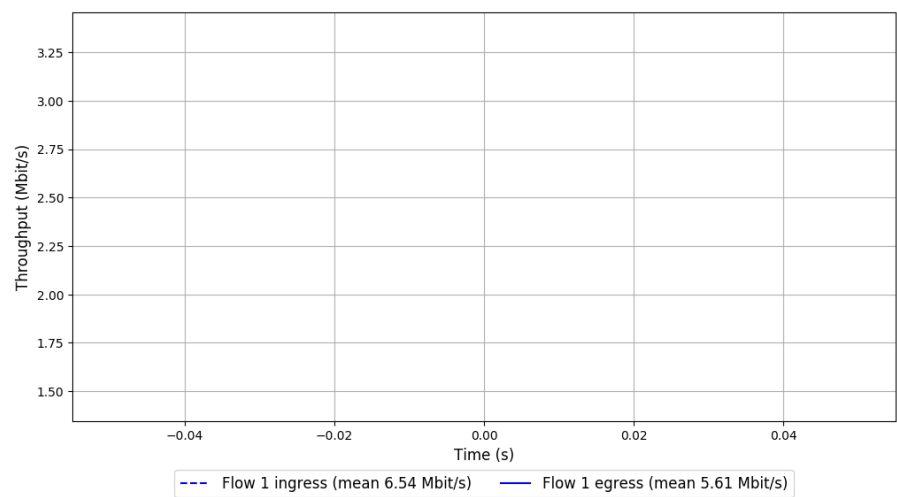


Run 10: Statistics of Saturator

Start at: Sun, 06 Aug 2017 20:12:23 +0000

End at: Sun, 06 Aug 2017 20:12:53 +0000

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 18:41:09 +0000

End at: Sun, 06 Aug 2017 18:41:39 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:25:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.577 ms

Loss rate: 0.00%

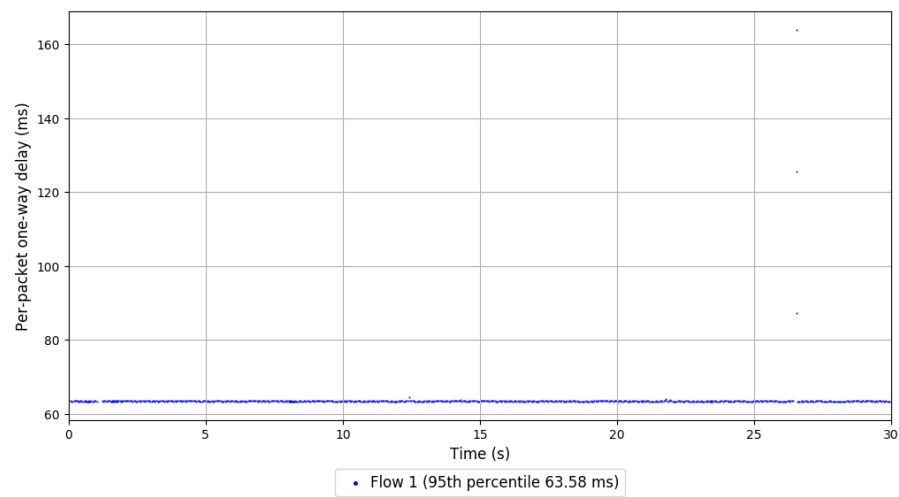
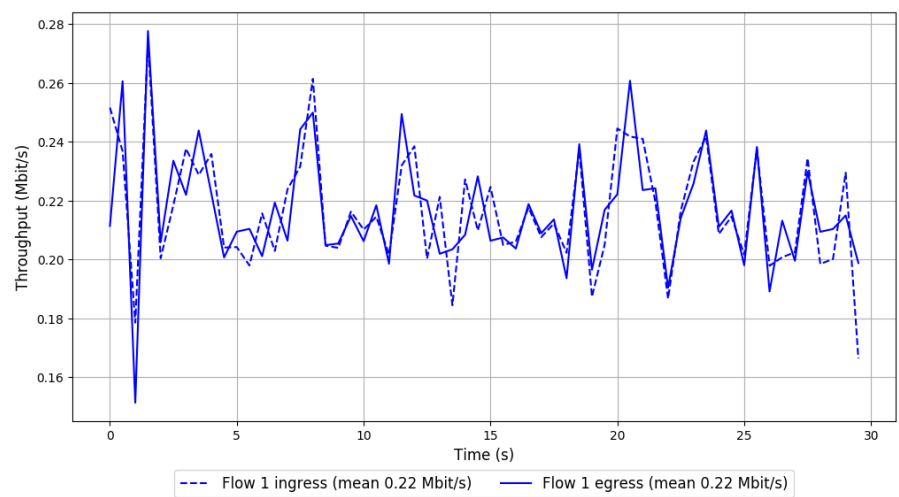
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.577 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

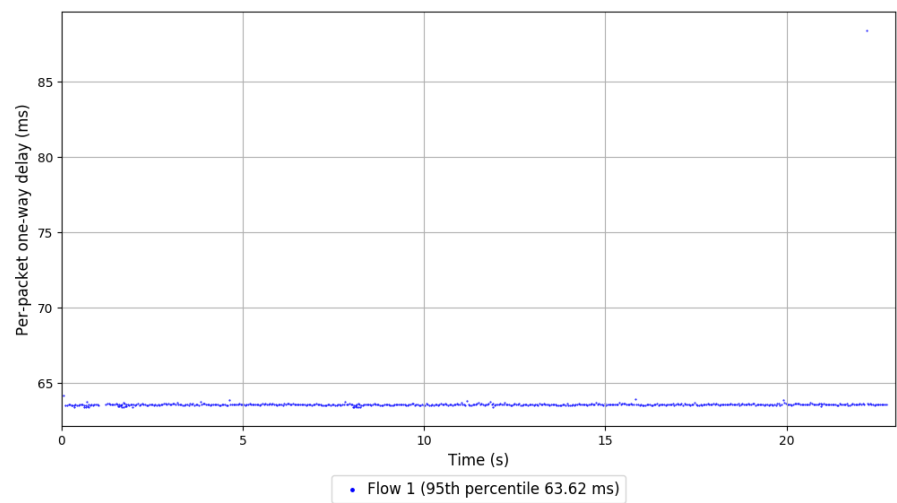
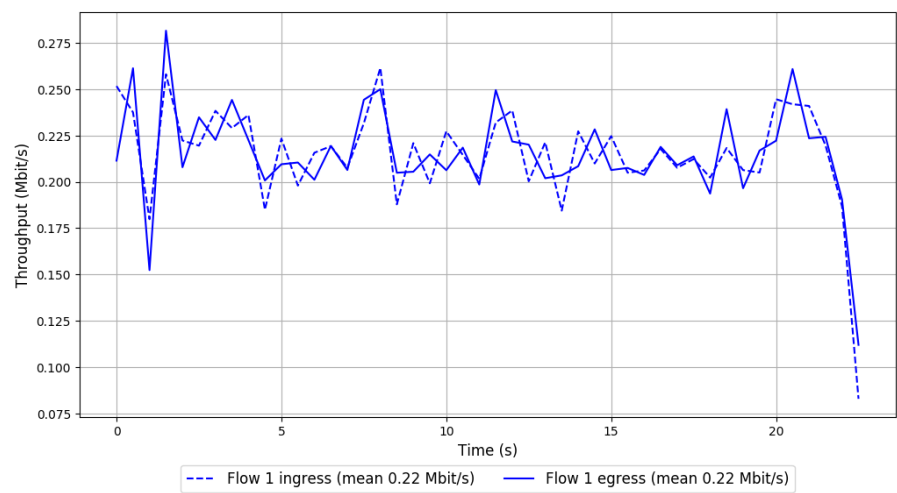


Run 2: Statistics of SReAM

Start at: Sun, 06 Aug 2017 18:51:23 +0000

End at: Sun, 06 Aug 2017 18:51:53 +0000

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 19:01:59 +0000

End at: Sun, 06 Aug 2017 19:02:29 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:25:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.752 ms

Loss rate: 0.00%

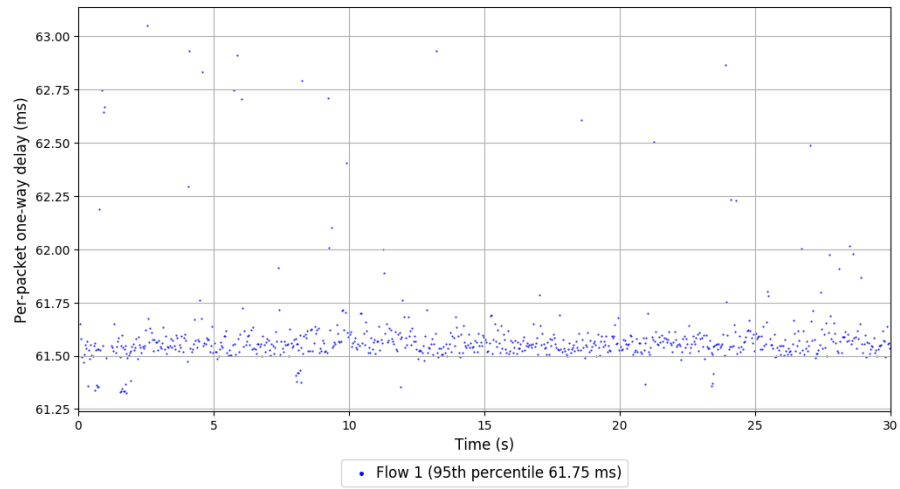
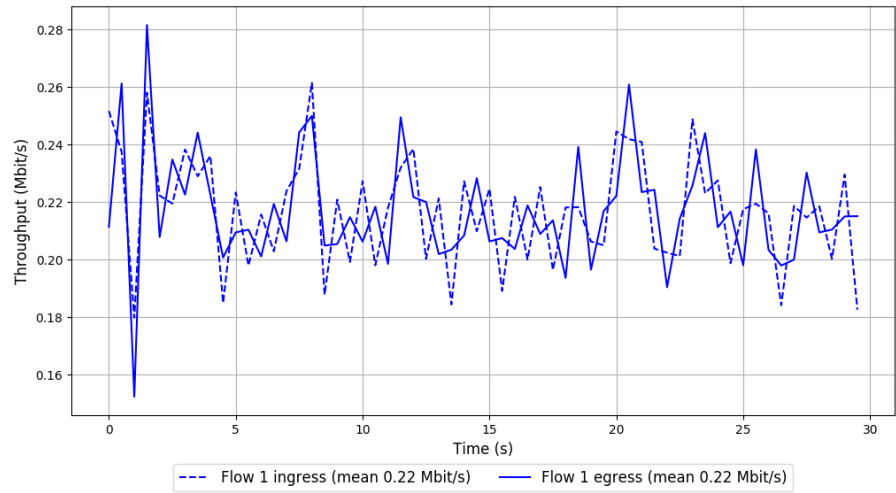
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.752 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 19:11:58 +0000

End at: Sun, 06 Aug 2017 19:12:28 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:25:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.777 ms

Loss rate: 0.00%

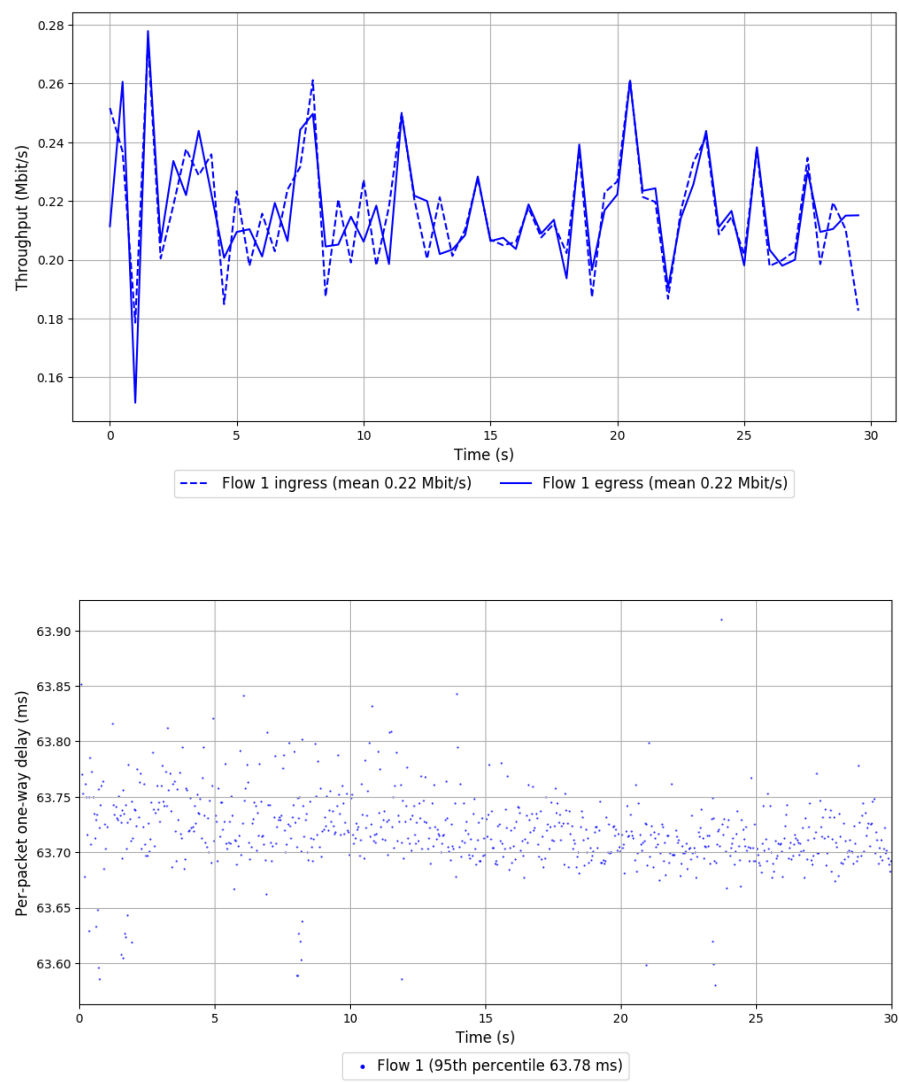
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.777 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 19:22:20 +0000

End at: Sun, 06 Aug 2017 19:22:50 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:25:17 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.529 ms

Loss rate: 0.00%

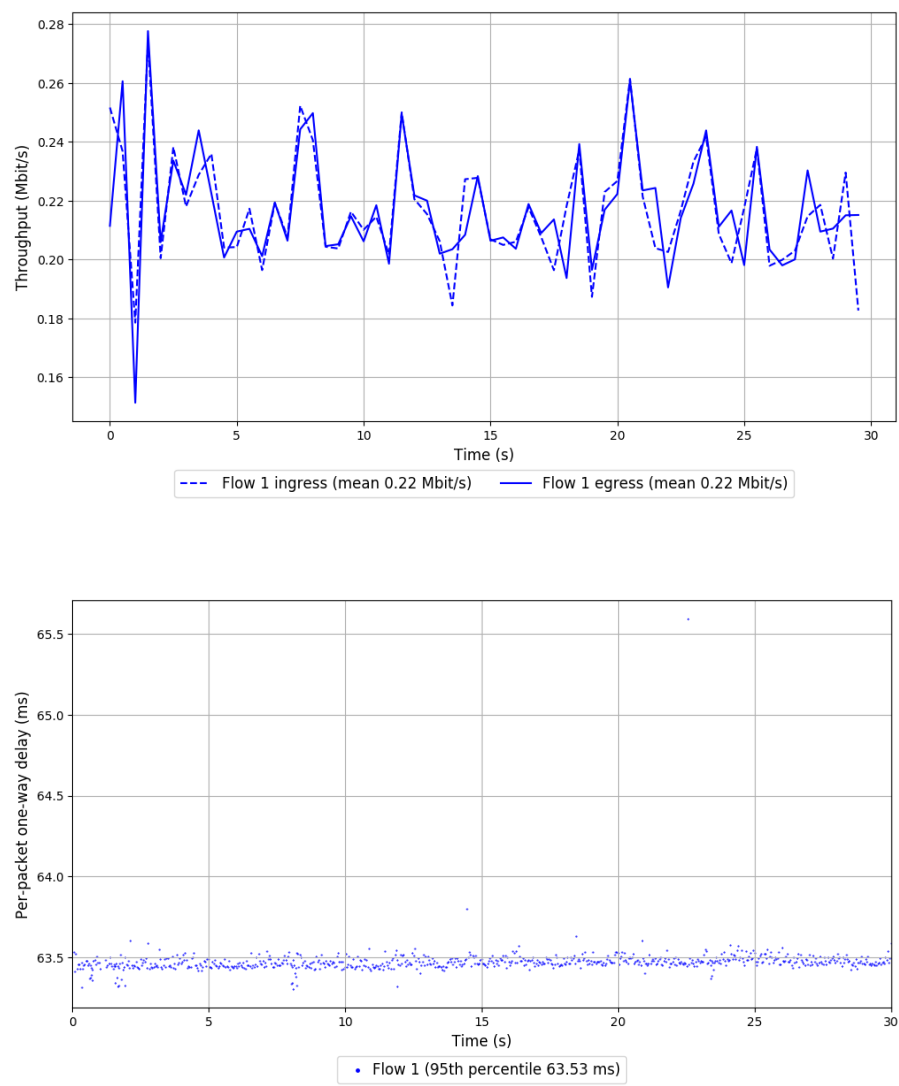
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.529 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 19:32:47 +0000

End at: Sun, 06 Aug 2017 19:33:17 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:25:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.265 ms

Loss rate: 0.00%

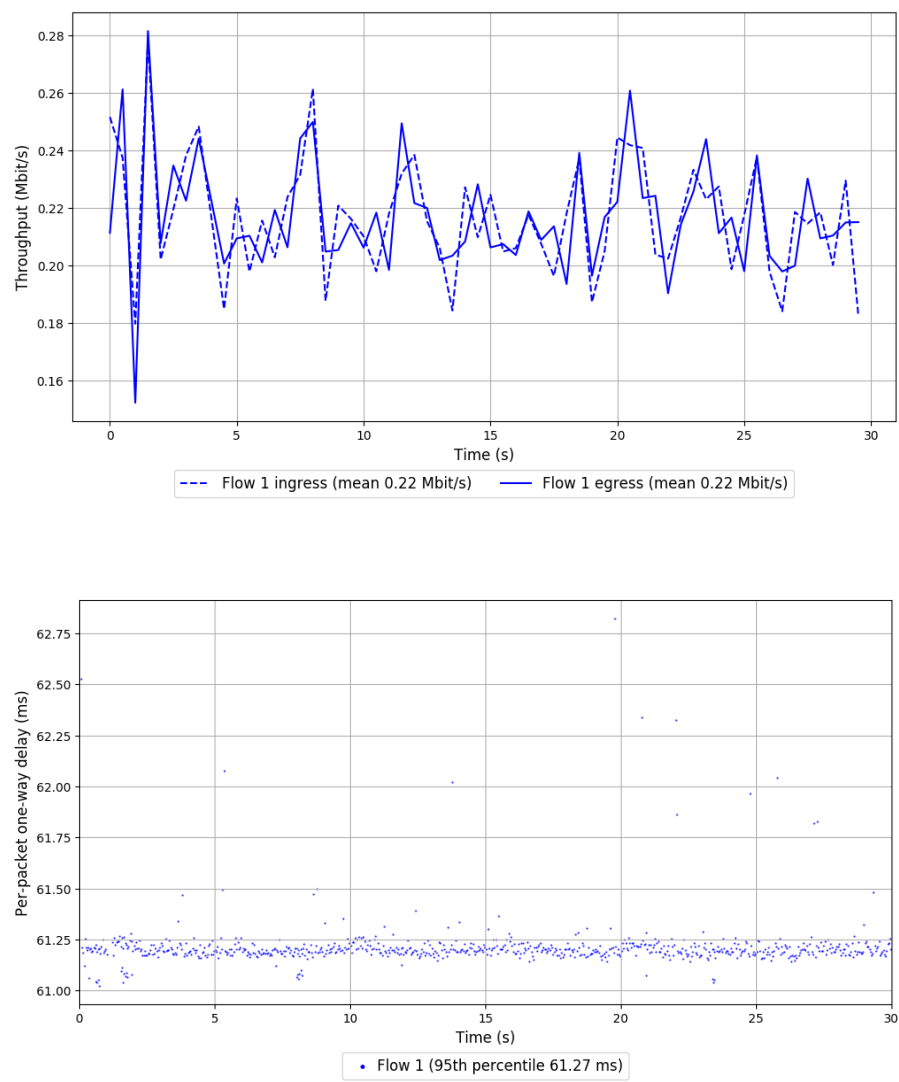
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 61.265 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 19:42:45 +0000

End at: Sun, 06 Aug 2017 19:43:15 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:25:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.558 ms

Loss rate: 0.00%

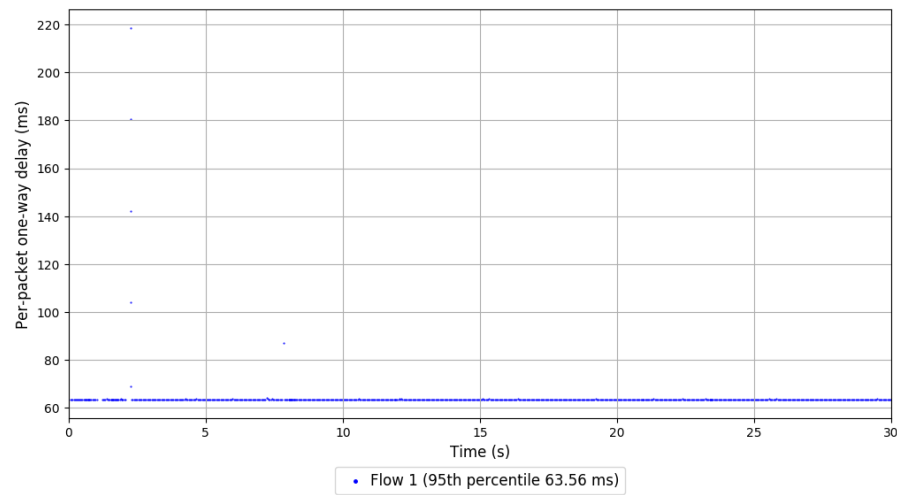
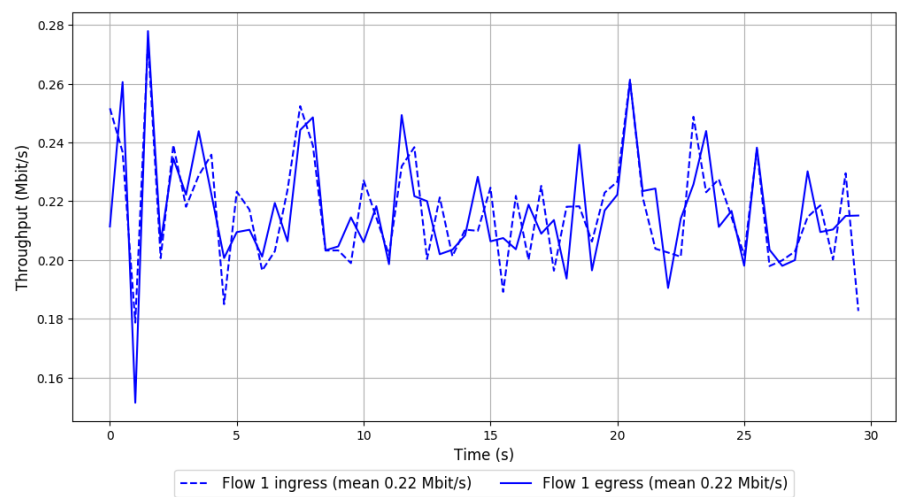
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.558 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 19:53:17 +0000

End at: Sun, 06 Aug 2017 19:53:47 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:25:19 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 64.542 ms

Loss rate: 0.00%

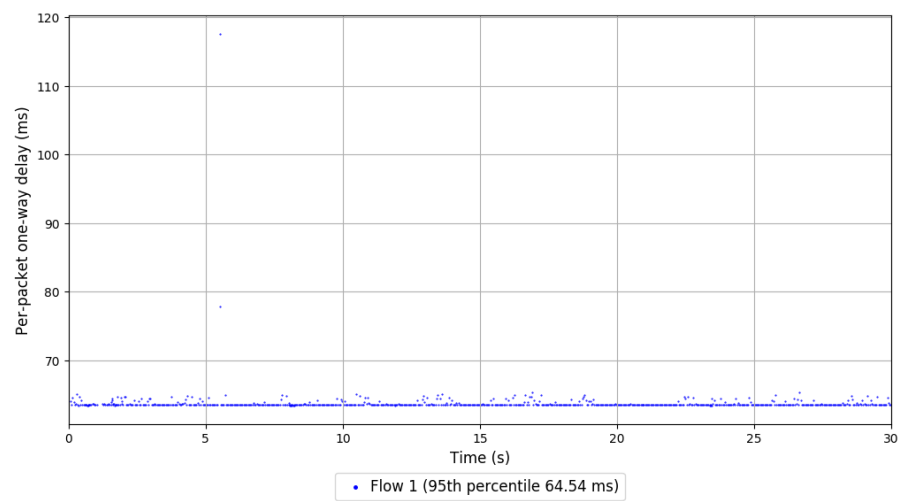
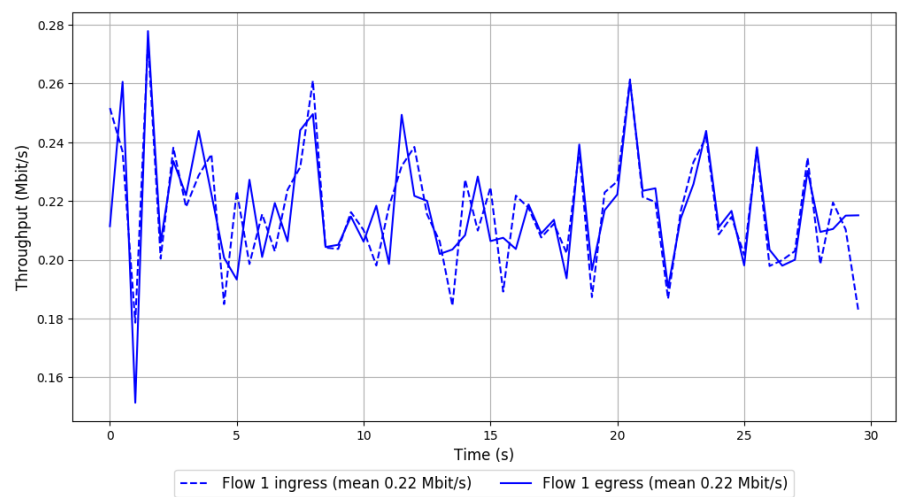
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 64.542 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 20:03:42 +0000

End at: Sun, 06 Aug 2017 20:04:12 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:25:20 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.624 ms

Loss rate: 0.00%

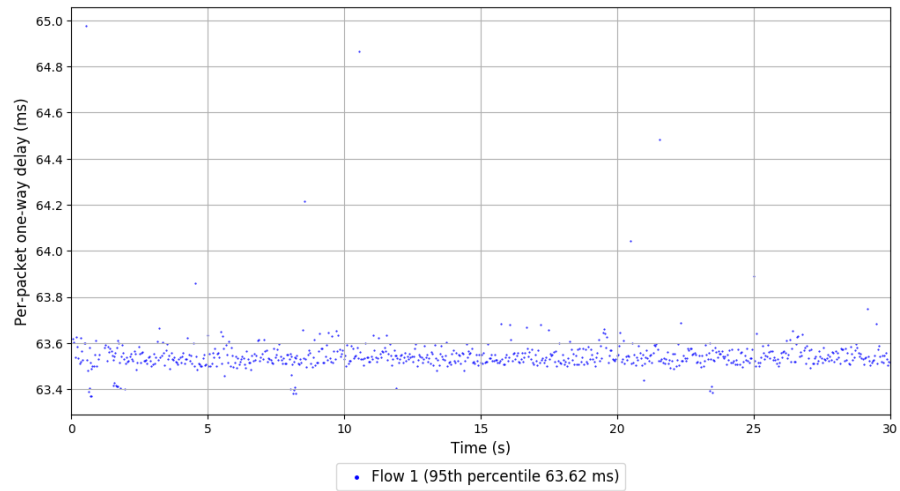
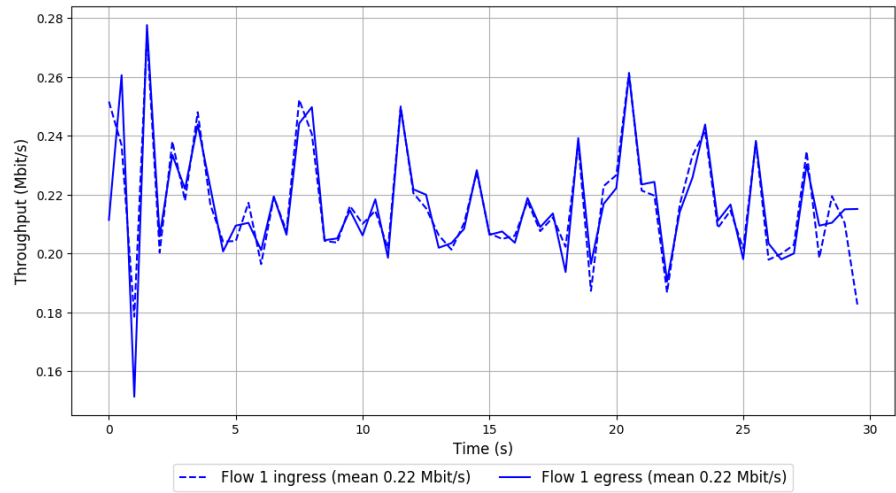
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.624 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: Sun, 06 Aug 2017 20:14:20 +0000

End at: Sun, 06 Aug 2017 20:14:50 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:25:20 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.624 ms

Loss rate: 0.00%

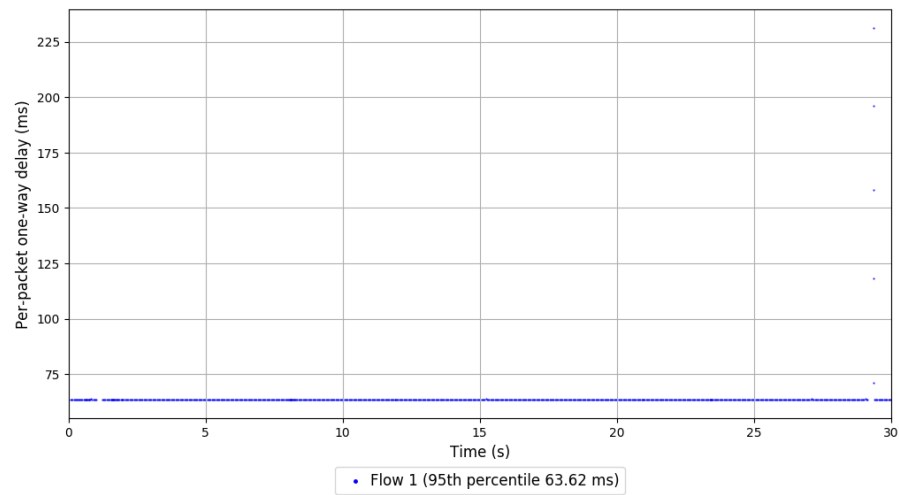
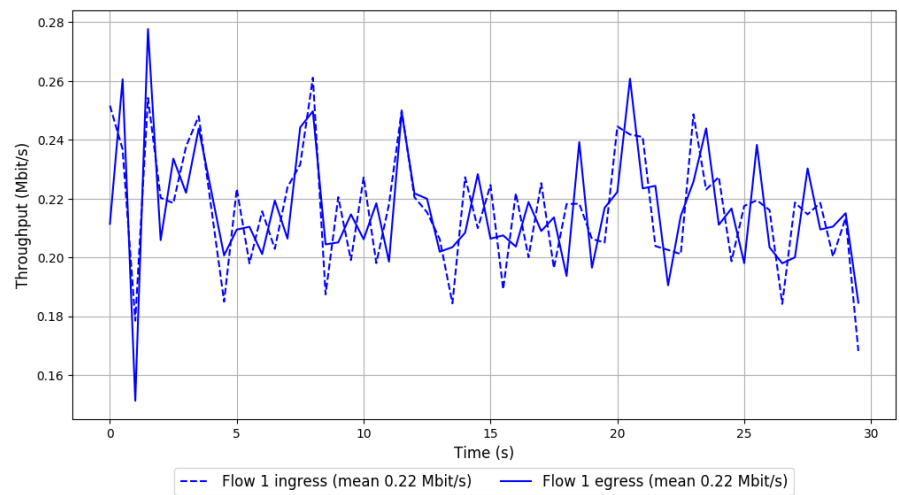
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 63.624 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Sun, 06 Aug 2017 18:37:50 +0000

End at: Sun, 06 Aug 2017 18:38:20 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:25:23 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.63 Mbit/s

95th percentile per-packet one-way delay: 63.986 ms

Loss rate: 0.09%

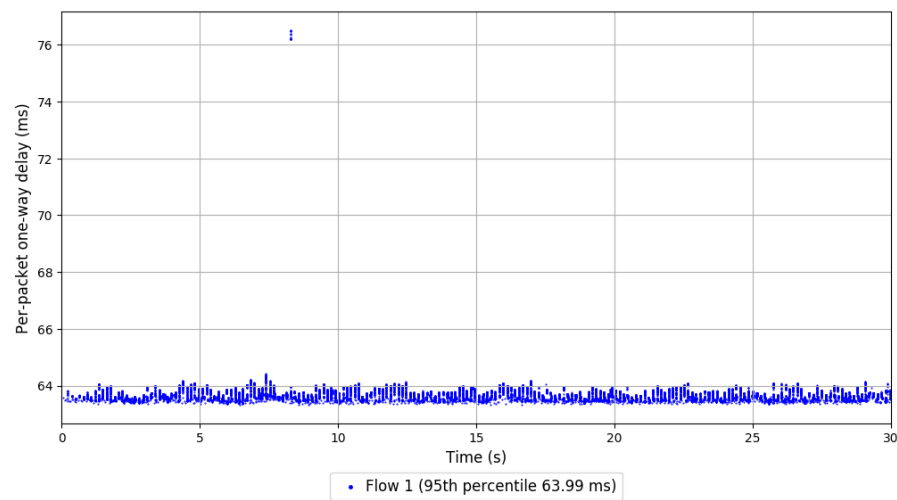
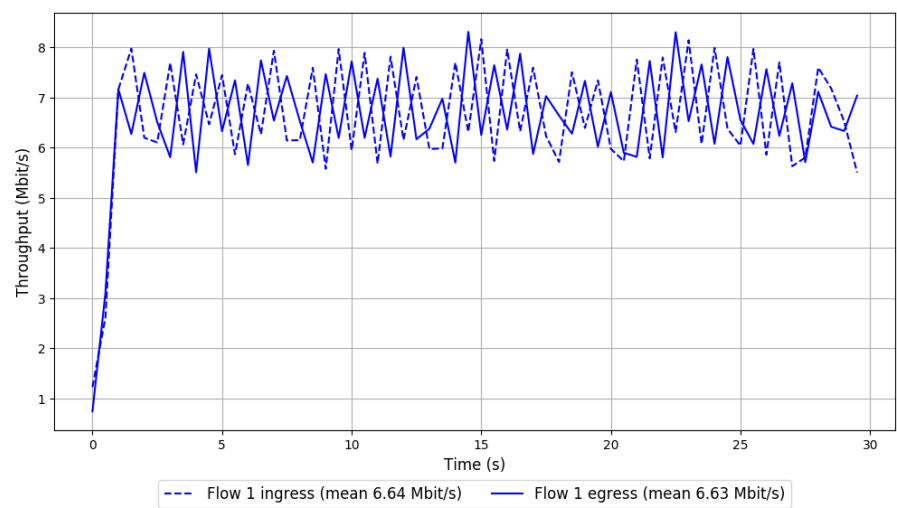
-- Flow 1:

Average throughput: 6.63 Mbit/s

95th percentile per-packet one-way delay: 63.986 ms

Loss rate: 0.09%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Sun, 06 Aug 2017 18:48:13 +0000

End at: Sun, 06 Aug 2017 18:48:43 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:25:23 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.93 Mbit/s

95th percentile per-packet one-way delay: 63.813 ms

Loss rate: 15.80%

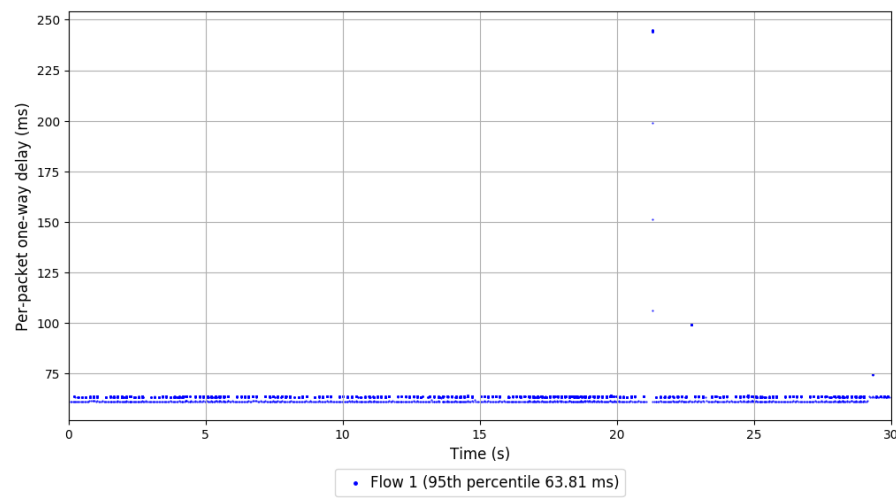
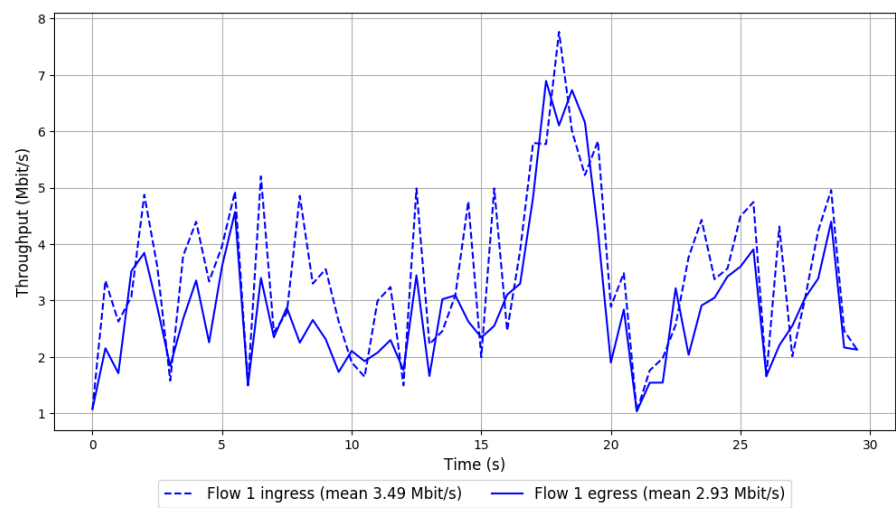
-- Flow 1:

Average throughput: 2.93 Mbit/s

95th percentile per-packet one-way delay: 63.813 ms

Loss rate: 15.80%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sun, 06 Aug 2017 18:58:36 +0000

End at: Sun, 06 Aug 2017 18:59:06 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:25:25 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.22 Mbit/s

95th percentile per-packet one-way delay: 64.189 ms

Loss rate: 2.03%

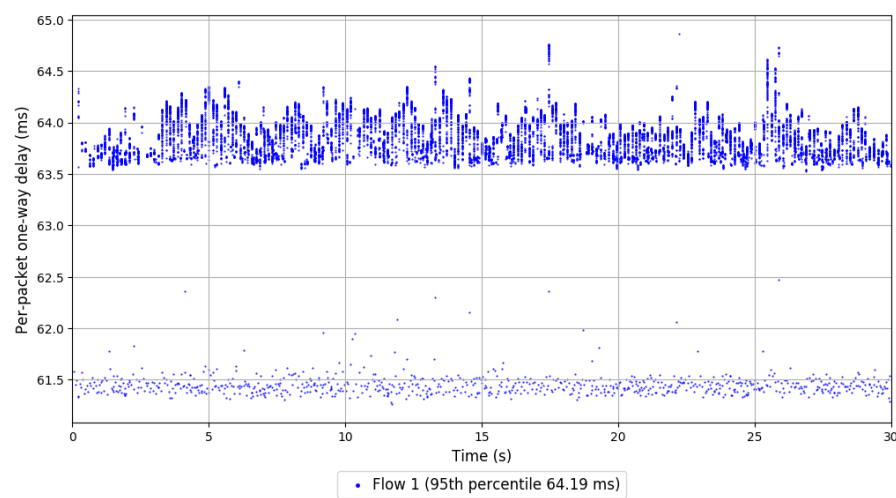
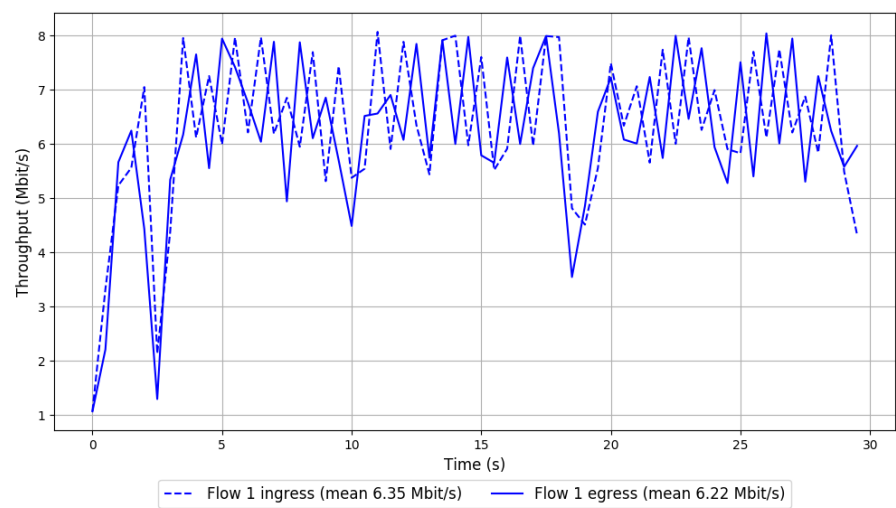
-- Flow 1:

Average throughput: 6.22 Mbit/s

95th percentile per-packet one-way delay: 64.189 ms

Loss rate: 2.03%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Sun, 06 Aug 2017 19:08:39 +0000

End at: Sun, 06 Aug 2017 19:09:09 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:25:25 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.36 Mbit/s

95th percentile per-packet one-way delay: 63.799 ms

Loss rate: 16.09%

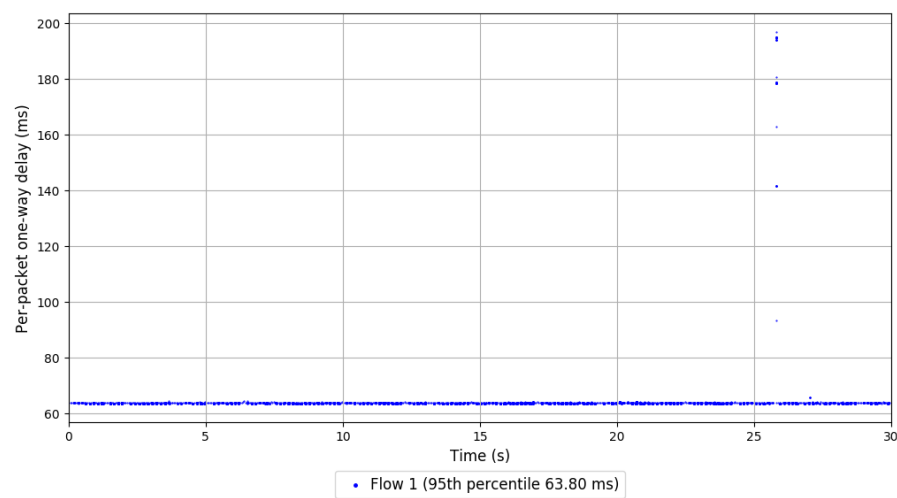
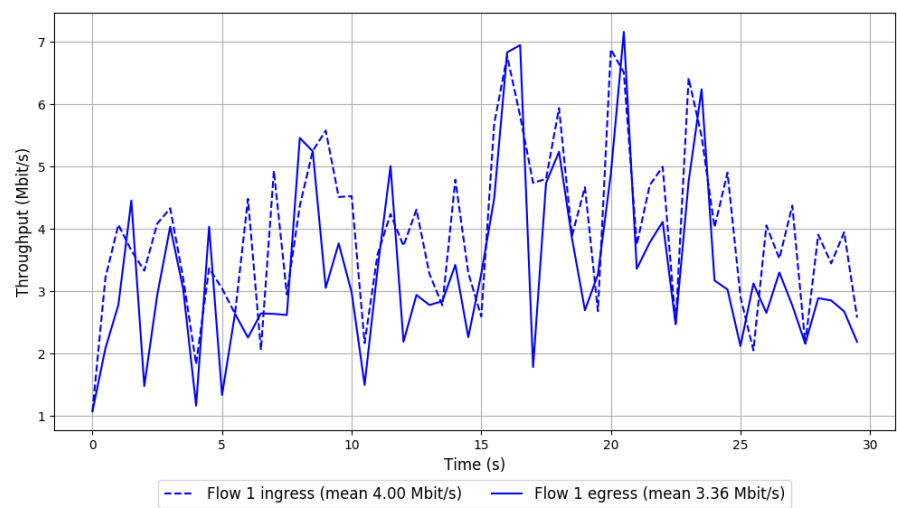
-- Flow 1:

Average throughput: 3.36 Mbit/s

95th percentile per-packet one-way delay: 63.799 ms

Loss rate: 16.09%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Sun, 06 Aug 2017 19:19:04 +0000

End at: Sun, 06 Aug 2017 19:19:34 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:25:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.11 Mbit/s

95th percentile per-packet one-way delay: 64.102 ms

Loss rate: 0.69%

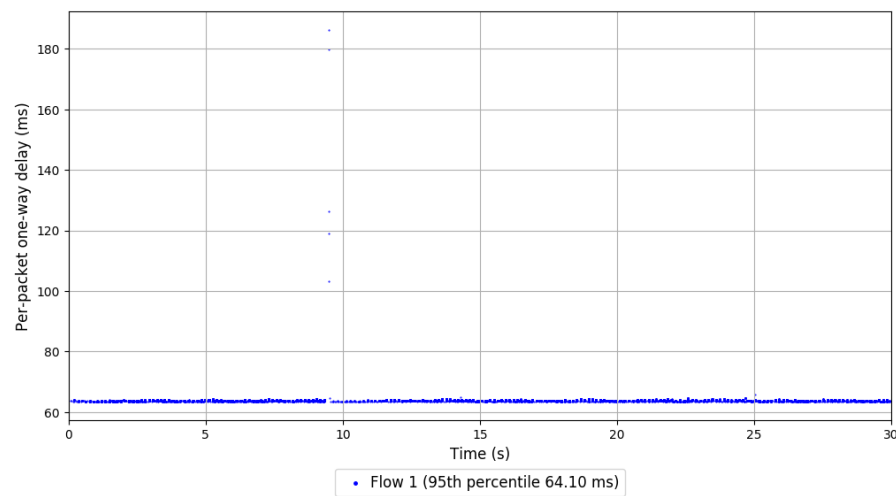
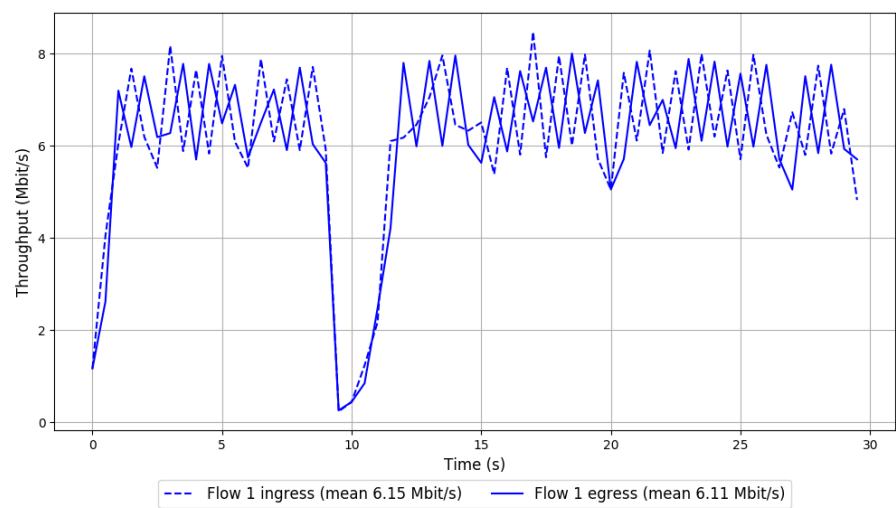
-- Flow 1:

Average throughput: 6.11 Mbit/s

95th percentile per-packet one-way delay: 64.102 ms

Loss rate: 0.69%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Sun, 06 Aug 2017 19:29:27 +0000

End at: Sun, 06 Aug 2017 19:29:57 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:25:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: 63.839 ms

Loss rate: 13.25%

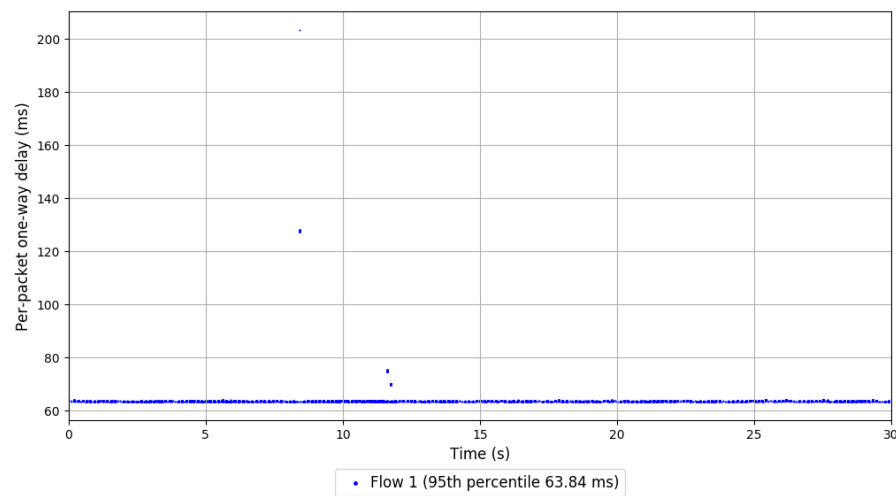
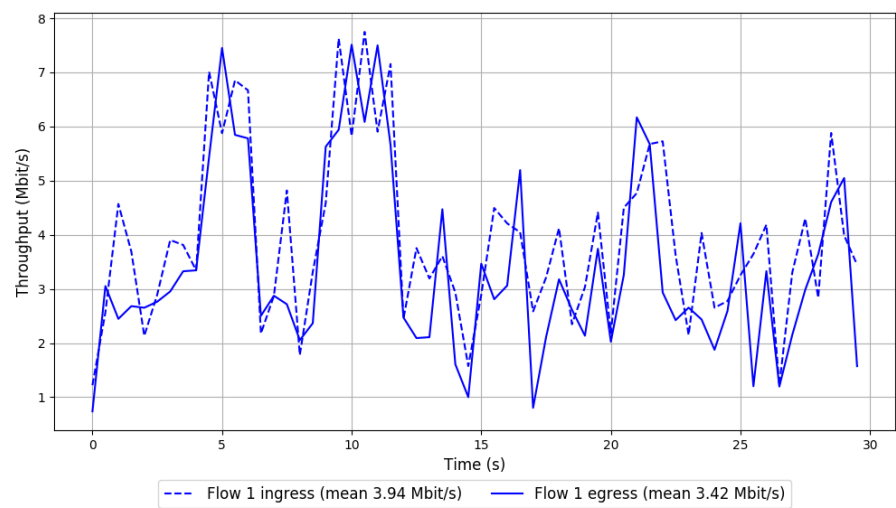
-- Flow 1:

Average throughput: 3.42 Mbit/s

95th percentile per-packet one-way delay: 63.839 ms

Loss rate: 13.25%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Sun, 06 Aug 2017 19:39:26 +0000

End at: Sun, 06 Aug 2017 19:39:56 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:25:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.56 Mbit/s

95th percentile per-packet one-way delay: 64.077 ms

Loss rate: 0.36%

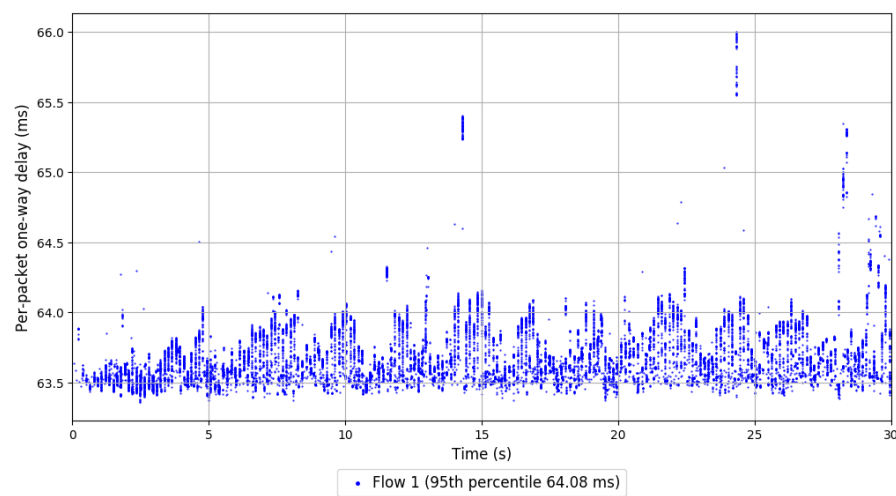
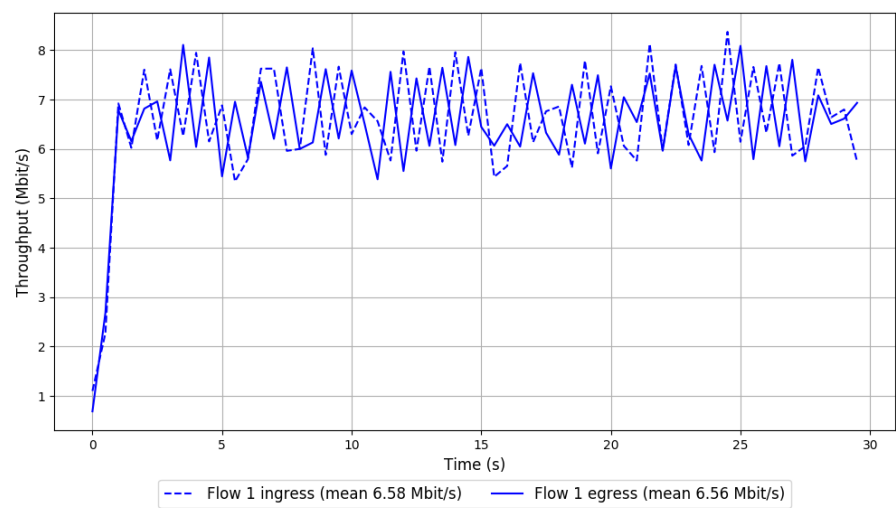
-- Flow 1:

Average throughput: 6.56 Mbit/s

95th percentile per-packet one-way delay: 64.077 ms

Loss rate: 0.36%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Sun, 06 Aug 2017 19:50:01 +0000

End at: Sun, 06 Aug 2017 19:50:31 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:25:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 64.095 ms

Loss rate: 1.25%

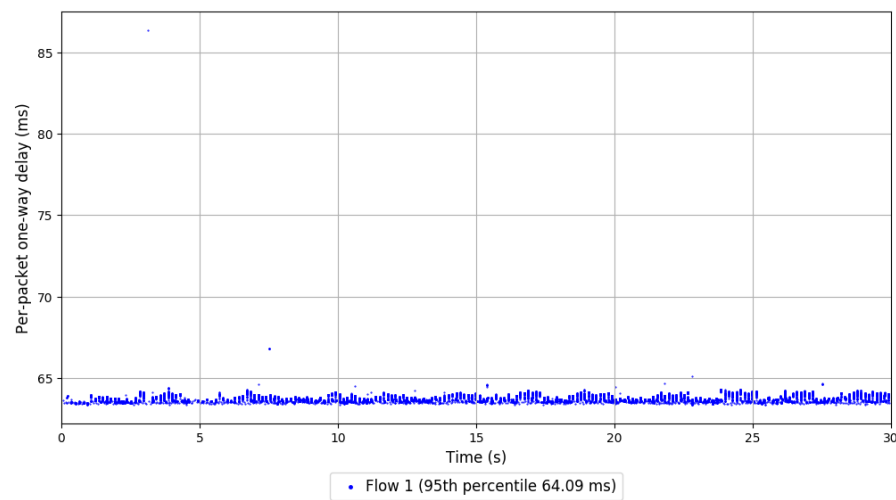
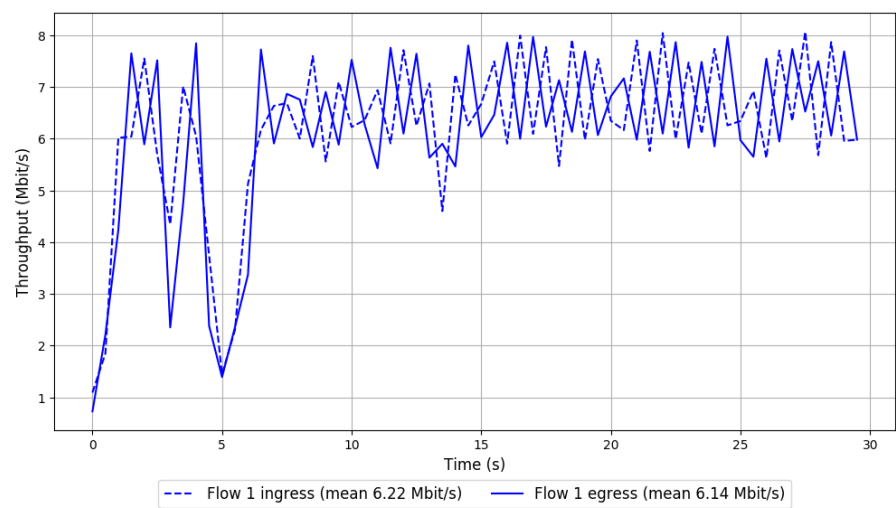
-- Flow 1:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 64.095 ms

Loss rate: 1.25%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Sun, 06 Aug 2017 20:00:21 +0000

End at: Sun, 06 Aug 2017 20:00:51 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:25:33 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.74 Mbit/s

95th percentile per-packet one-way delay: 63.928 ms

Loss rate: 0.83%

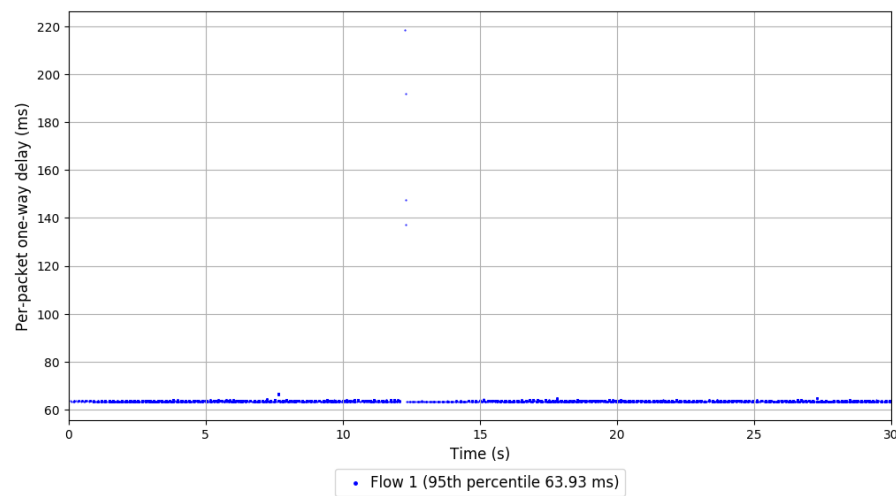
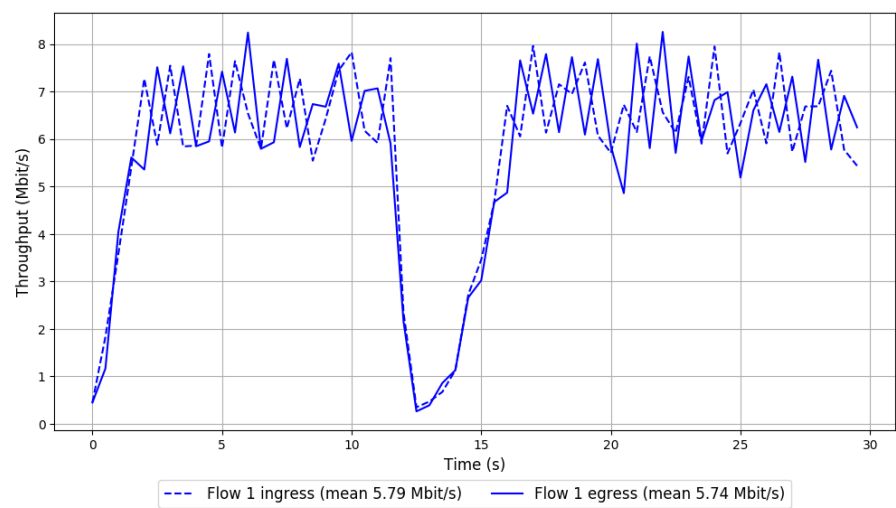
-- Flow 1:

Average throughput: 5.74 Mbit/s

95th percentile per-packet one-way delay: 63.928 ms

Loss rate: 0.83%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Sun, 06 Aug 2017 20:10:55 +0000

End at: Sun, 06 Aug 2017 20:11:25 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:25:33 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.88 Mbit/s

95th percentile per-packet one-way delay: 64.011 ms

Loss rate: 0.88%

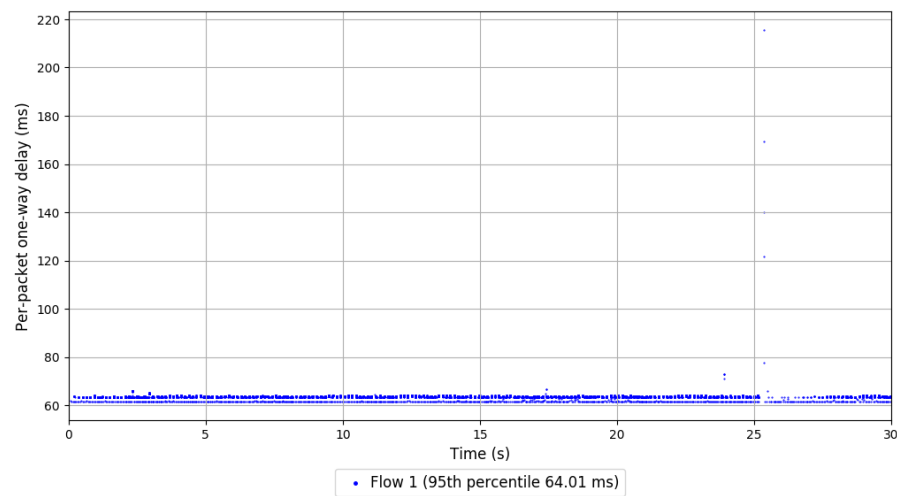
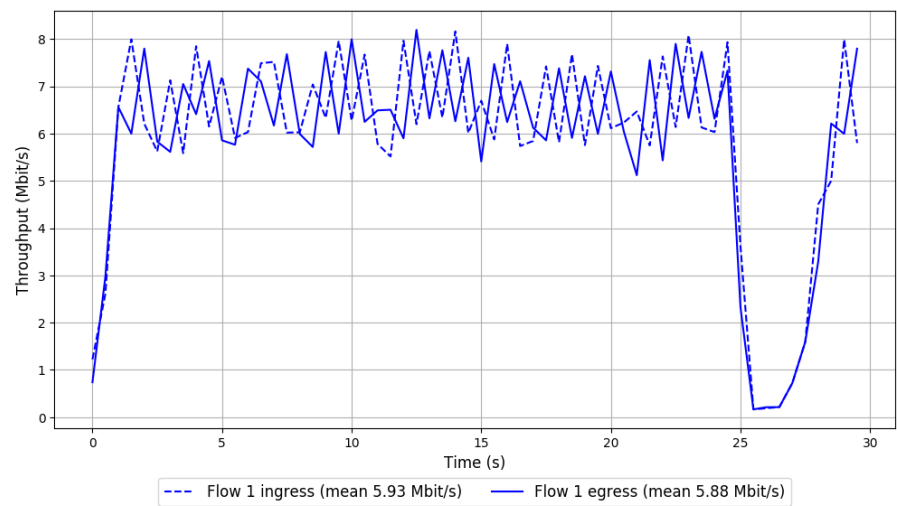
-- Flow 1:

Average throughput: 5.88 Mbit/s

95th percentile per-packet one-way delay: 64.011 ms

Loss rate: 0.88%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 18:38:28 +0000

End at: Sun, 06 Aug 2017 18:38:58 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:26:09 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 90.70 Mbit/s

95th percentile per-packet one-way delay: 63.496 ms

Loss rate: 12.34%

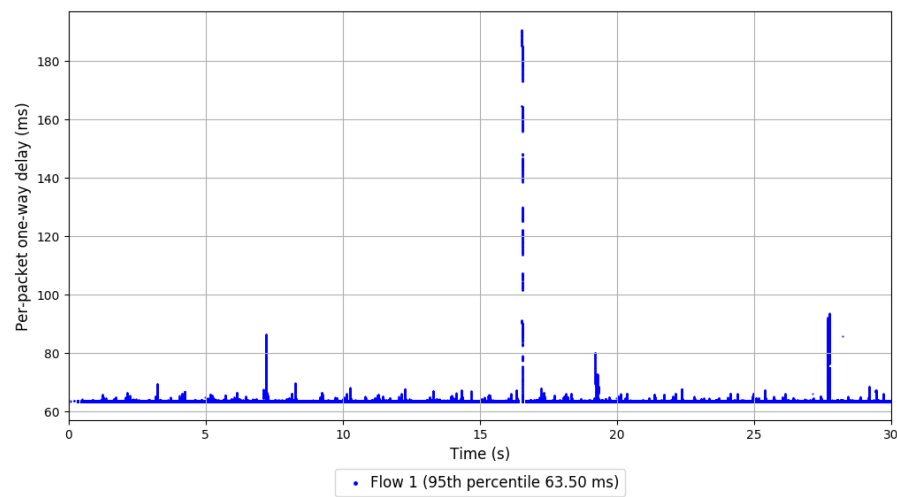
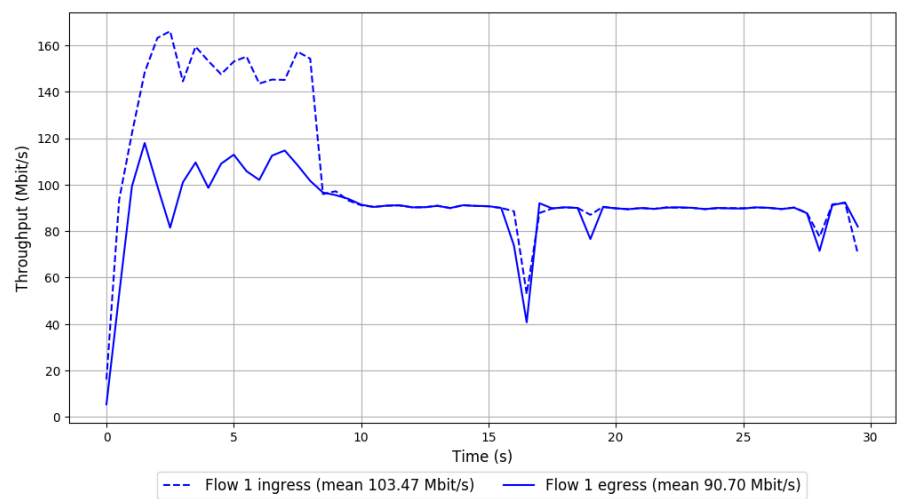
-- Flow 1:

Average throughput: 90.70 Mbit/s

95th percentile per-packet one-way delay: 63.496 ms

Loss rate: 12.34%

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

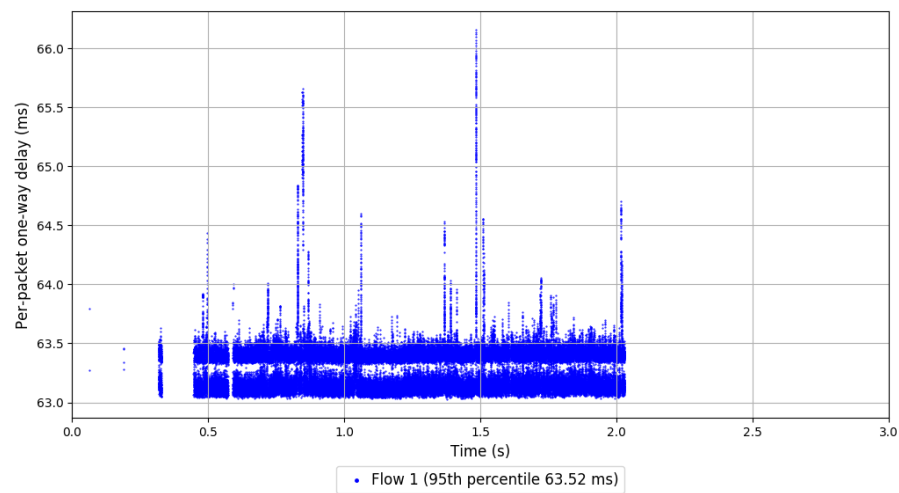
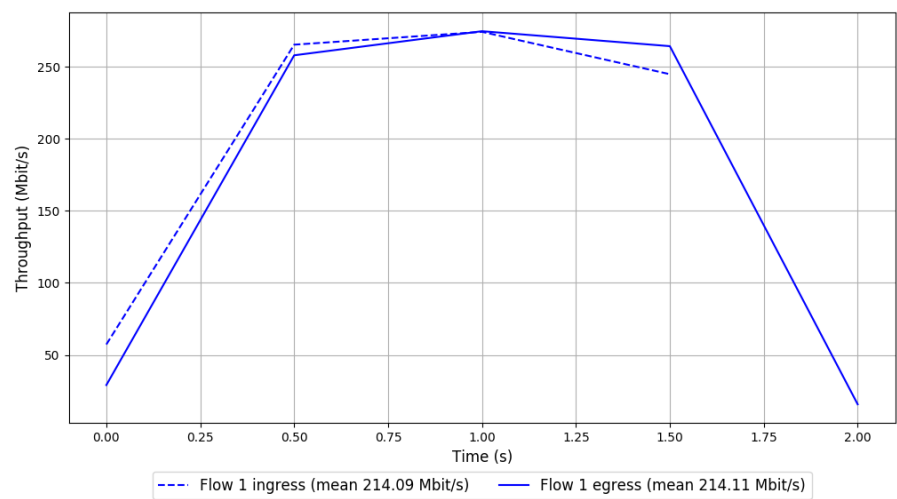


Run 2: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 18:48:51 +0000

End at: Sun, 06 Aug 2017 18:49:21 +0000

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



Run 3: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 18:59:14 +0000

End at: Sun, 06 Aug 2017 18:59:44 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:26:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.95 Mbit/s

95th percentile per-packet one-way delay: 63.548 ms

Loss rate: 12.21%

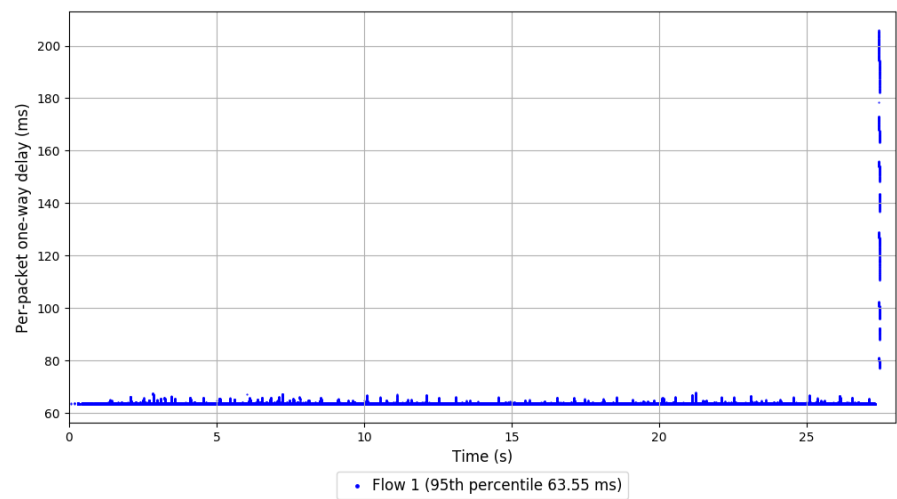
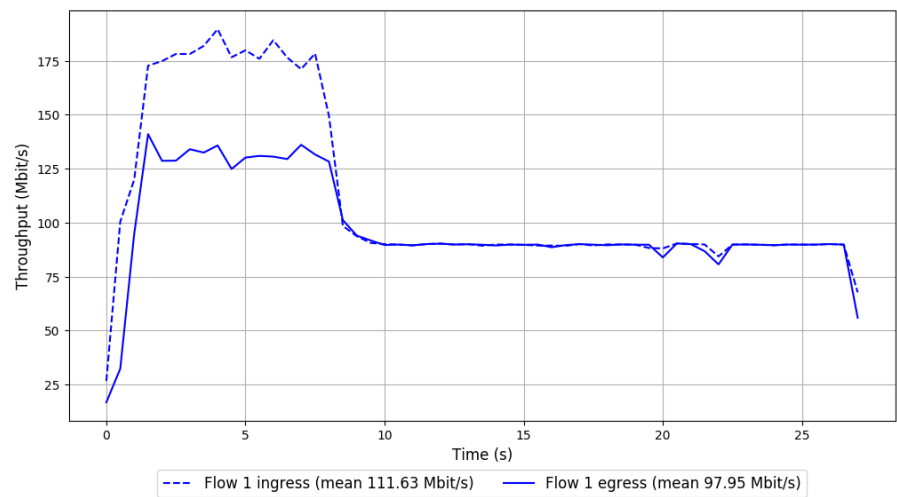
-- Flow 1:

Average throughput: 97.95 Mbit/s

95th percentile per-packet one-way delay: 63.548 ms

Loss rate: 12.21%

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

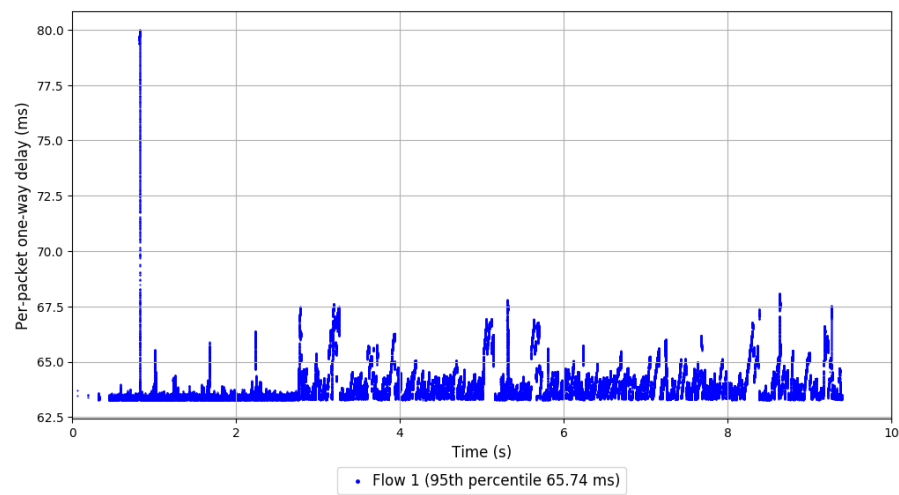
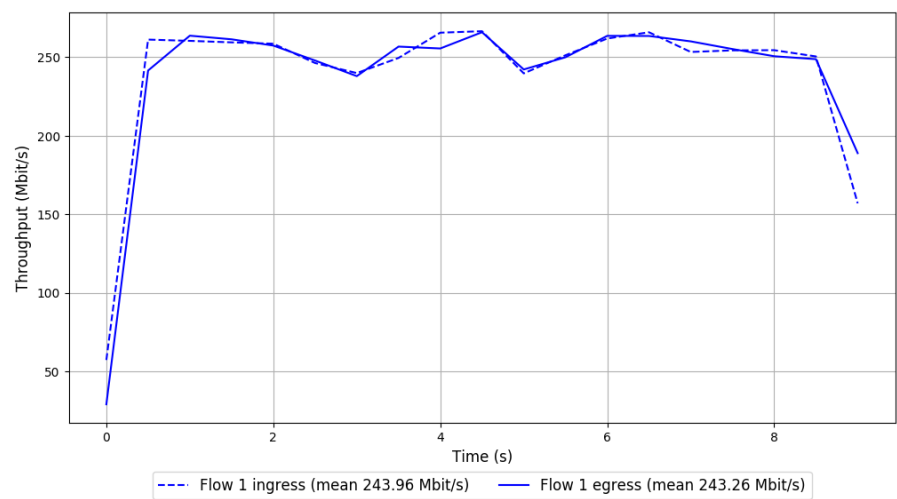


Run 4: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 19:09:16 +0000

End at: Sun, 06 Aug 2017 19:09:46 +0000

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

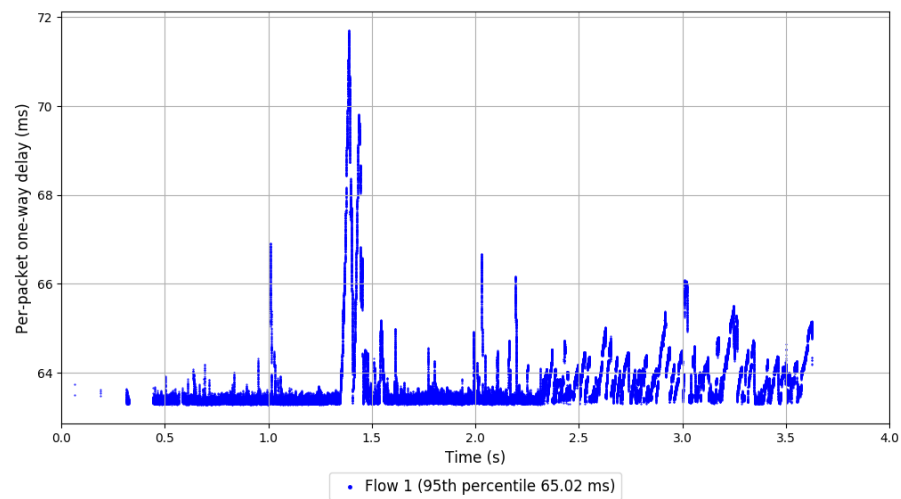
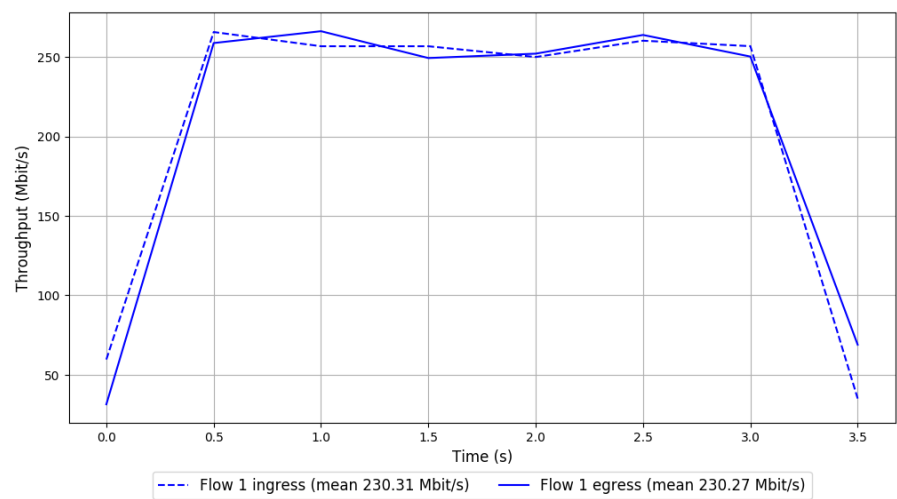


Run 5: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 19:19:42 +0000

End at: Sun, 06 Aug 2017 19:20:12 +0000

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

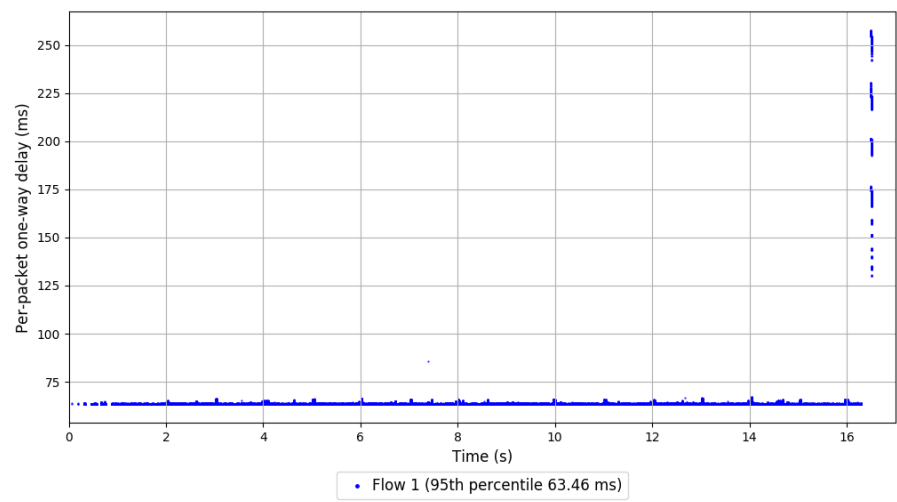
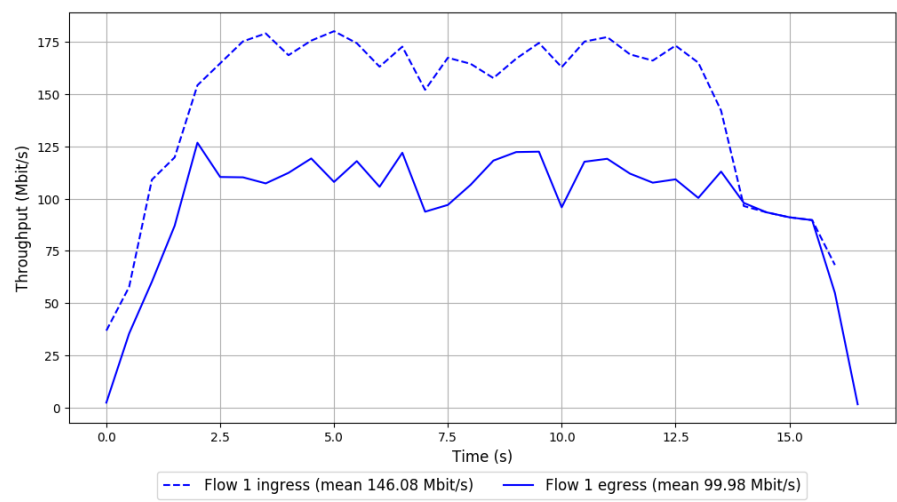


Run 6: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 19:30:05 +0000

End at: Sun, 06 Aug 2017 19:30:35 +0000

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

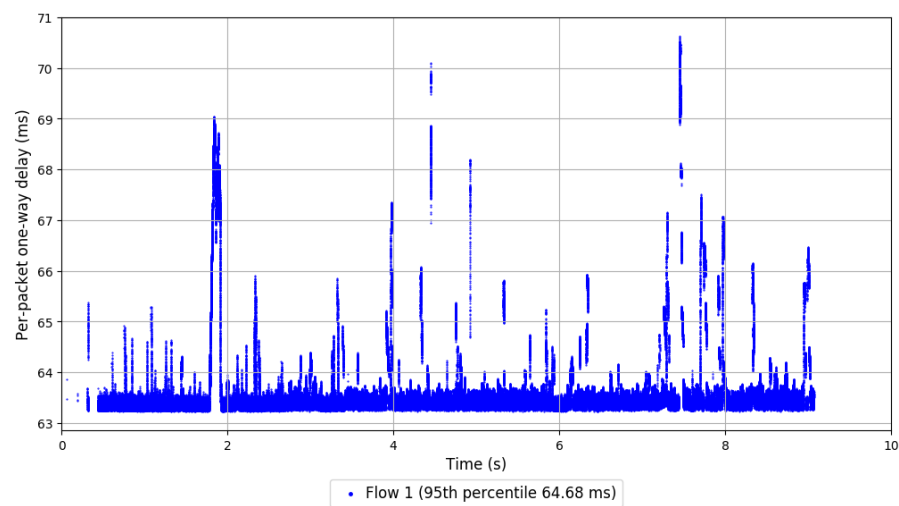
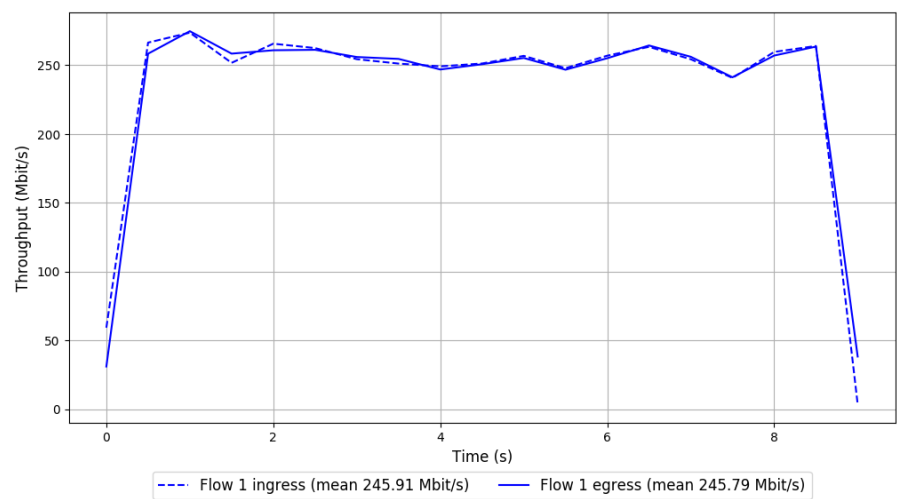


Run 7: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 19:40:04 +0000

End at: Sun, 06 Aug 2017 19:40:34 +0000

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

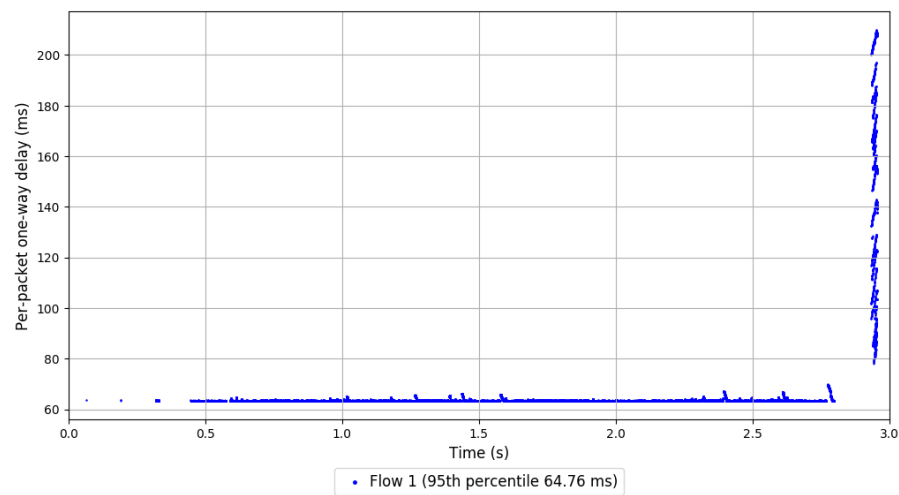
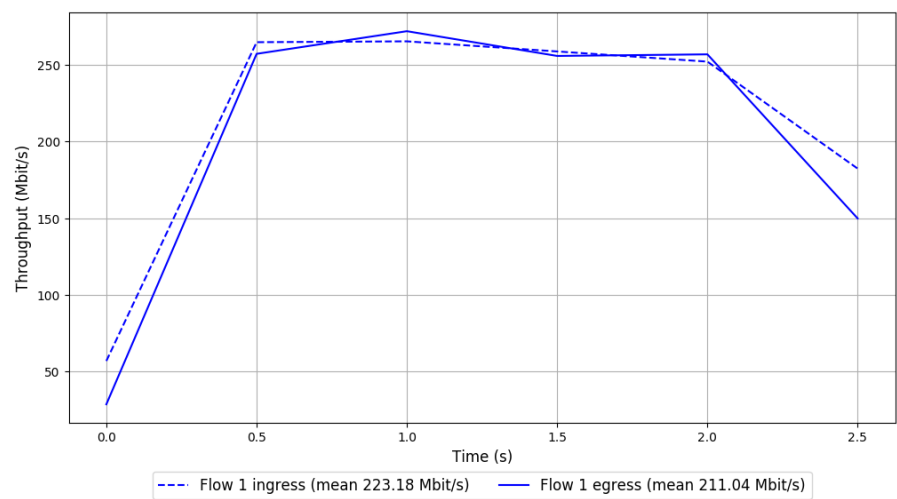


Run 8: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 19:50:39 +0000

End at: Sun, 06 Aug 2017 19:51:09 +0000

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

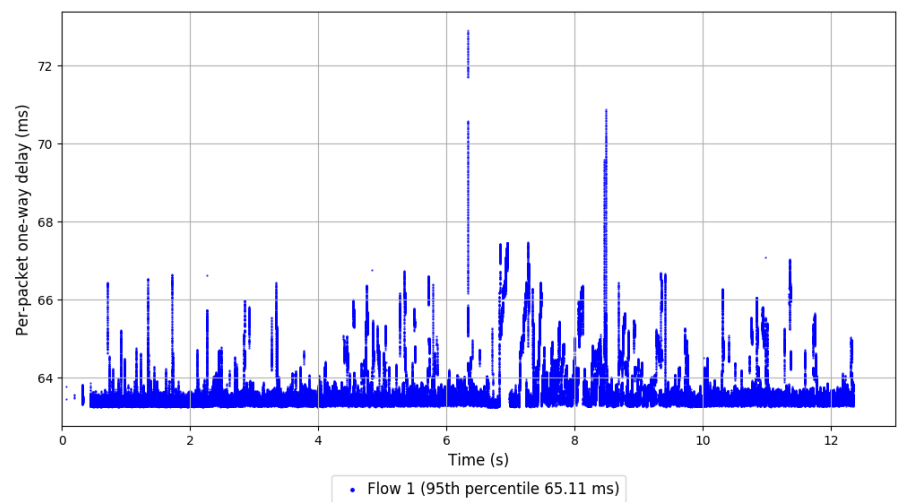
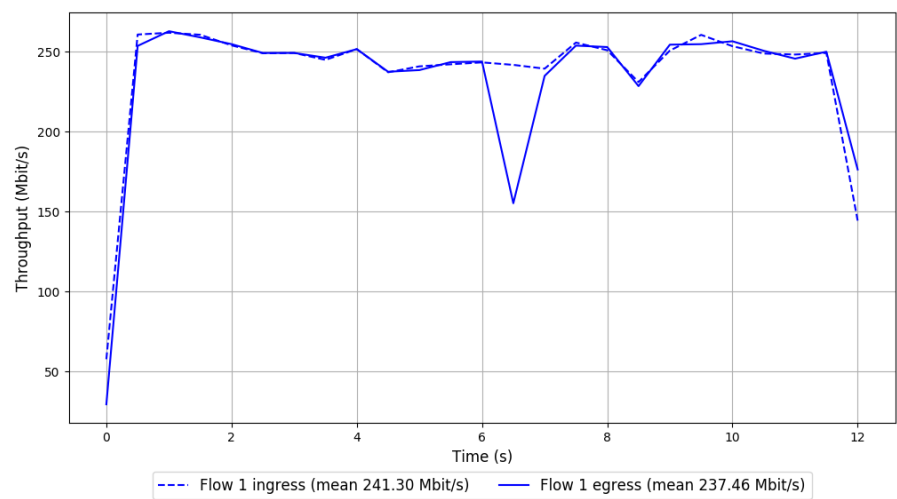


Run 9: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 20:00:59 +0000

End at: Sun, 06 Aug 2017 20:01:29 +0000

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



Run 10: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 20:11:33 +0000

End at: Sun, 06 Aug 2017 20:12:03 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:27:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 116.29 Mbit/s

95th percentile per-packet one-way delay: 63.496 ms

Loss rate: 17.47%

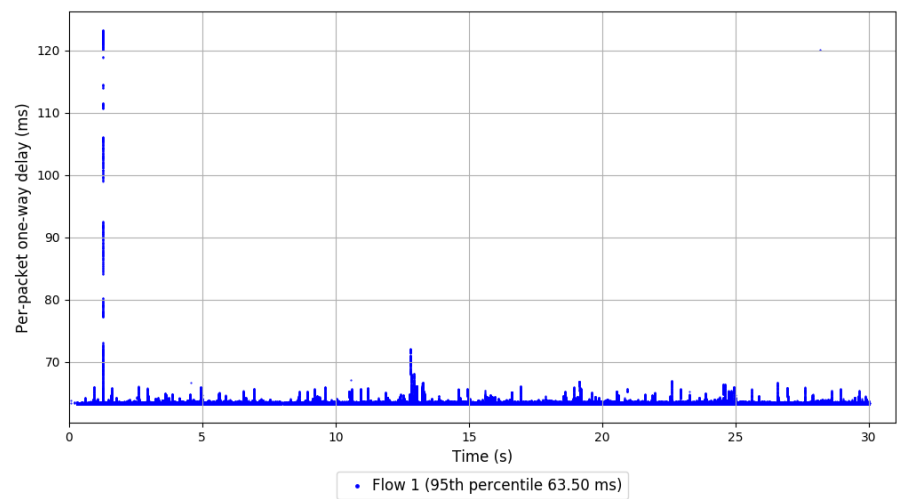
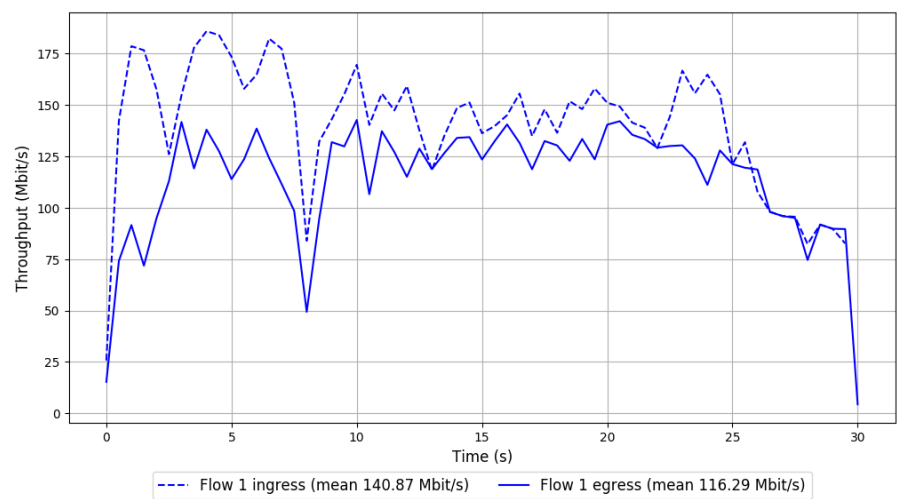
-- Flow 1:

Average throughput: 116.29 Mbit/s

95th percentile per-packet one-way delay: 63.496 ms

Loss rate: 17.47%

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



Run 1: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 18:40:31 +0000

End at: Sun, 06 Aug 2017 18:41:01 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:27:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.74 Mbit/s

95th percentile per-packet one-way delay: 63.689 ms

Loss rate: 2.78%

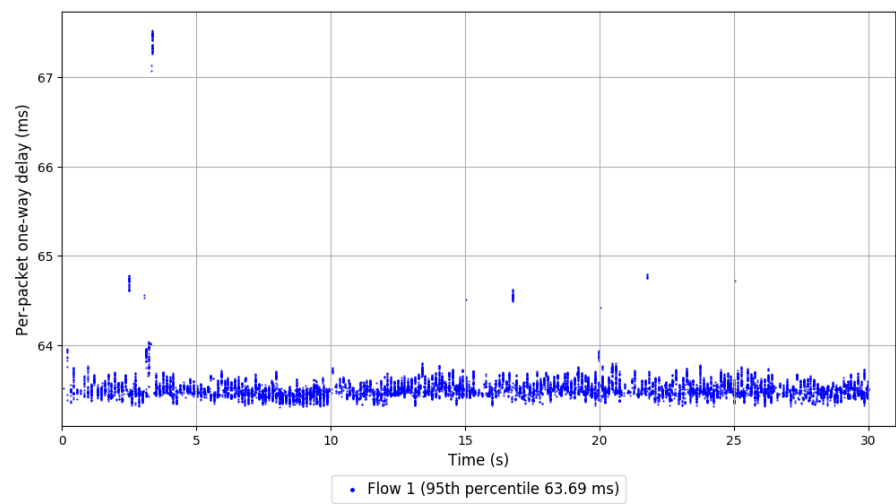
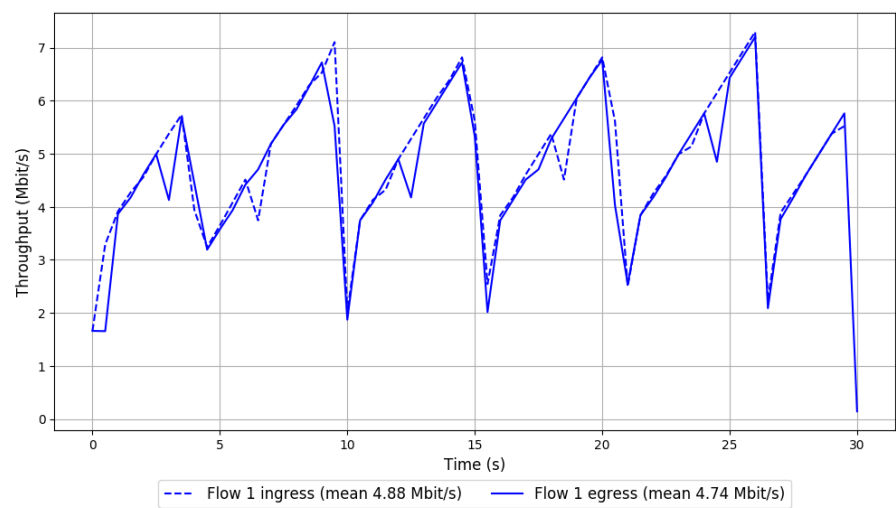
-- Flow 1:

Average throughput: 4.74 Mbit/s

95th percentile per-packet one-way delay: 63.689 ms

Loss rate: 2.78%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 18:50:46 +0000

End at: Sun, 06 Aug 2017 18:51:16 +0000

Run 2: Report of TCP Vegas — Data Link

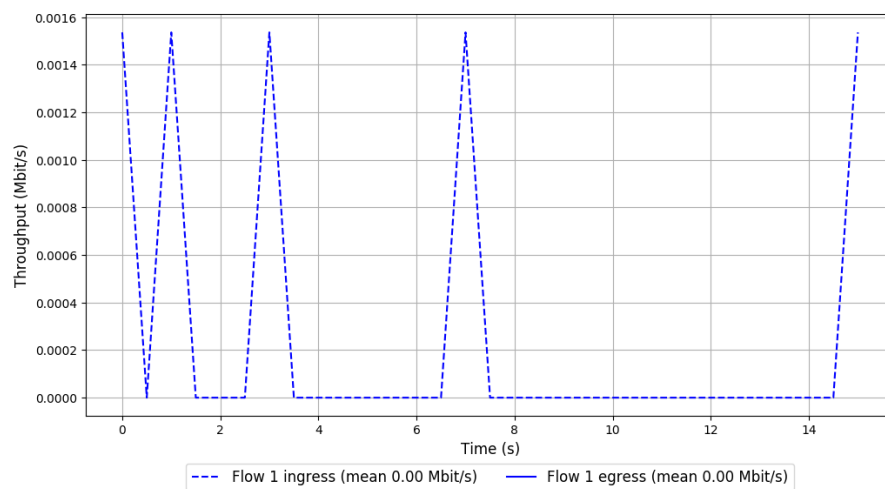


Figure is missing

Run 3: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 19:01:20 +0000

End at: Sun, 06 Aug 2017 19:01:50 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:27:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.84 Mbit/s

95th percentile per-packet one-way delay: 64.056 ms

Loss rate: 1.58%

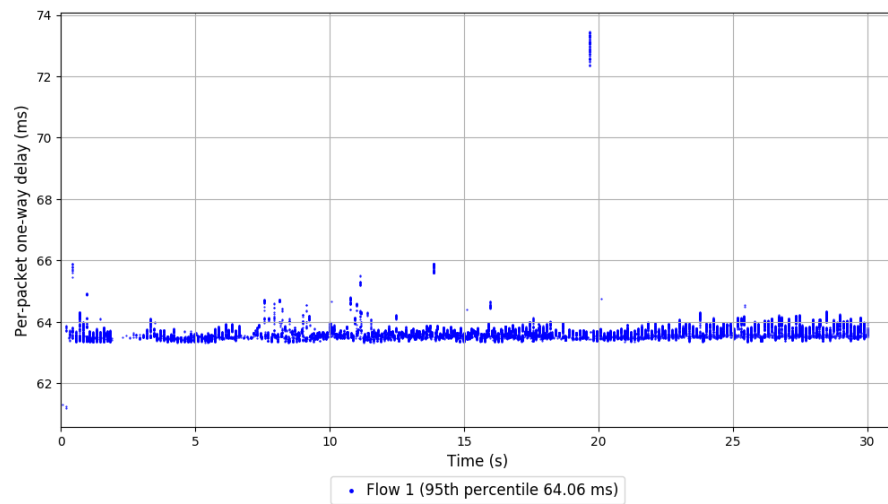
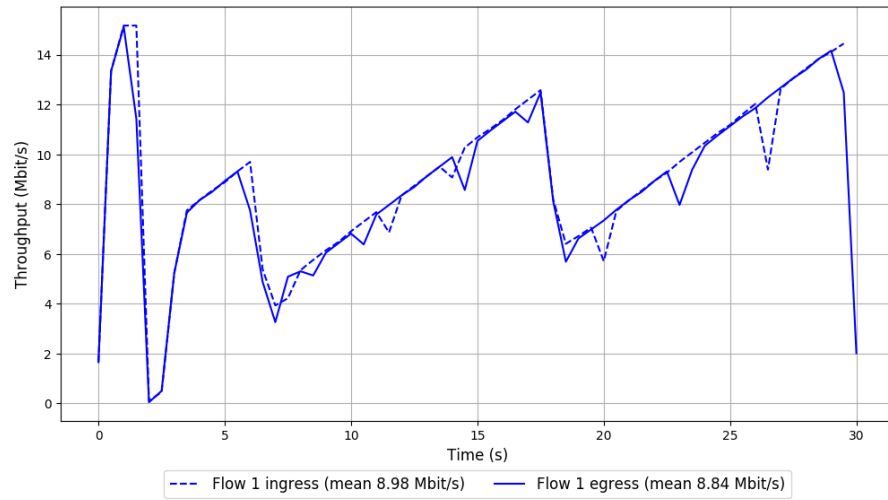
-- Flow 1:

Average throughput: 8.84 Mbit/s

95th percentile per-packet one-way delay: 64.056 ms

Loss rate: 1.58%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 19:11:20 +0000

End at: Sun, 06 Aug 2017 19:11:50 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:27:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 63.713 ms

Loss rate: 3.29%

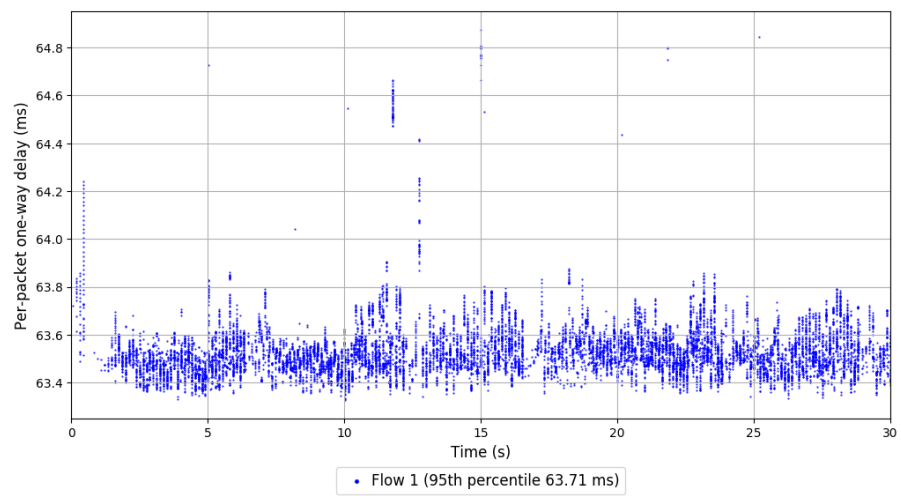
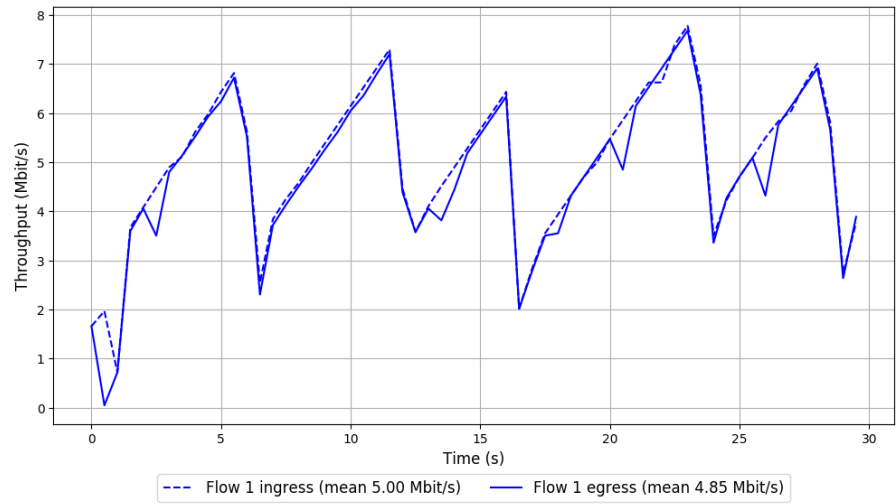
-- Flow 1:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 63.713 ms

Loss rate: 3.29%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 19:21:41 +0000

End at: Sun, 06 Aug 2017 19:22:11 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:27:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.95 Mbit/s

95th percentile per-packet one-way delay: 64.116 ms

Loss rate: 0.82%

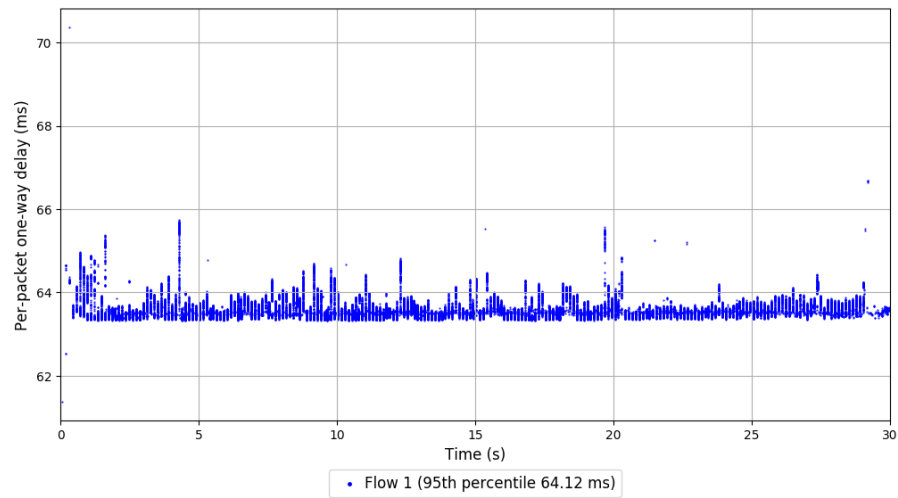
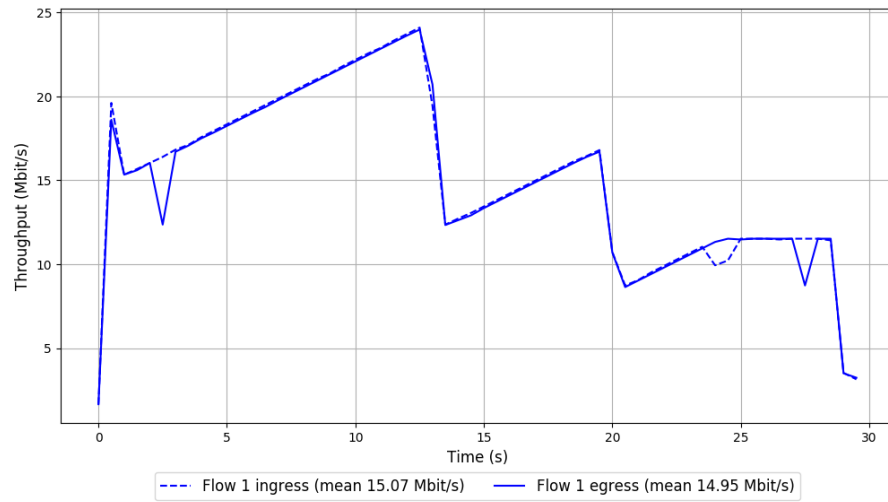
-- Flow 1:

Average throughput: 14.95 Mbit/s

95th percentile per-packet one-way delay: 64.116 ms

Loss rate: 0.82%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 19:32:09 +0000

End at: Sun, 06 Aug 2017 19:32:39 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:27:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.73 Mbit/s

95th percentile per-packet one-way delay: 63.976 ms

Loss rate: 1.09%

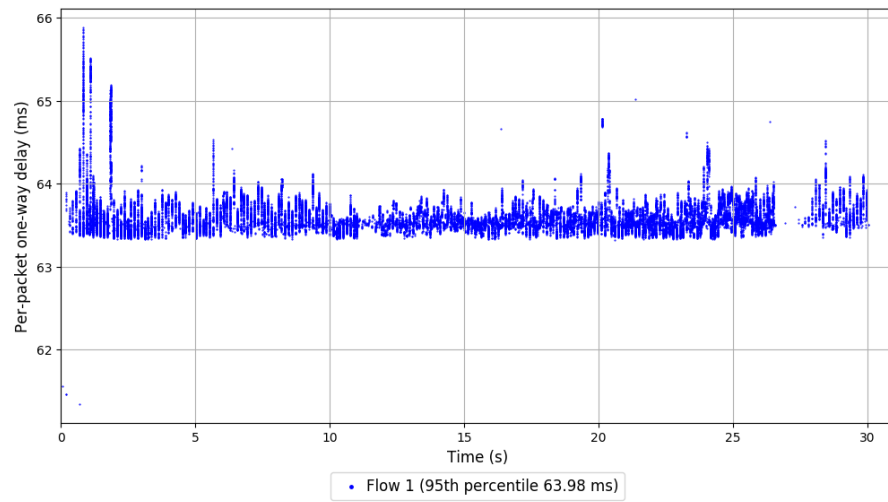
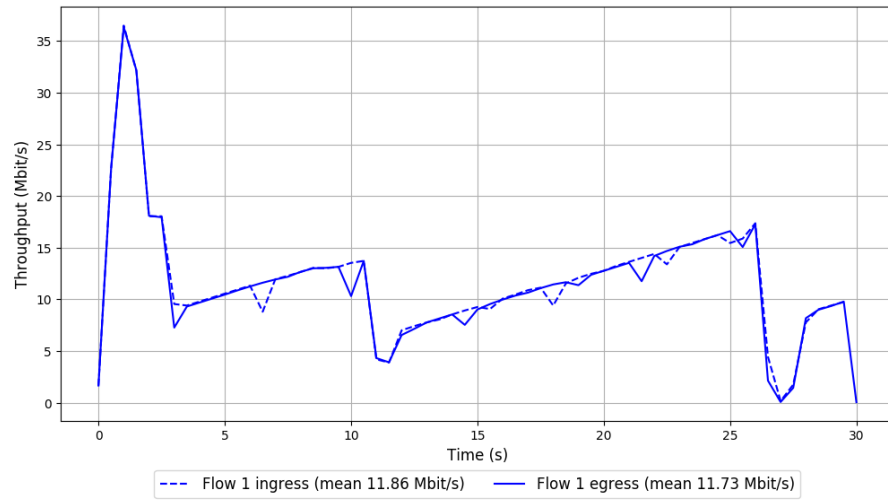
-- Flow 1:

Average throughput: 11.73 Mbit/s

95th percentile per-packet one-way delay: 63.976 ms

Loss rate: 1.09%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 19:42:07 +0000

End at: Sun, 06 Aug 2017 19:42:37 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:27:53 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.05 Mbit/s

95th percentile per-packet one-way delay: 63.964 ms

Loss rate: 1.42%

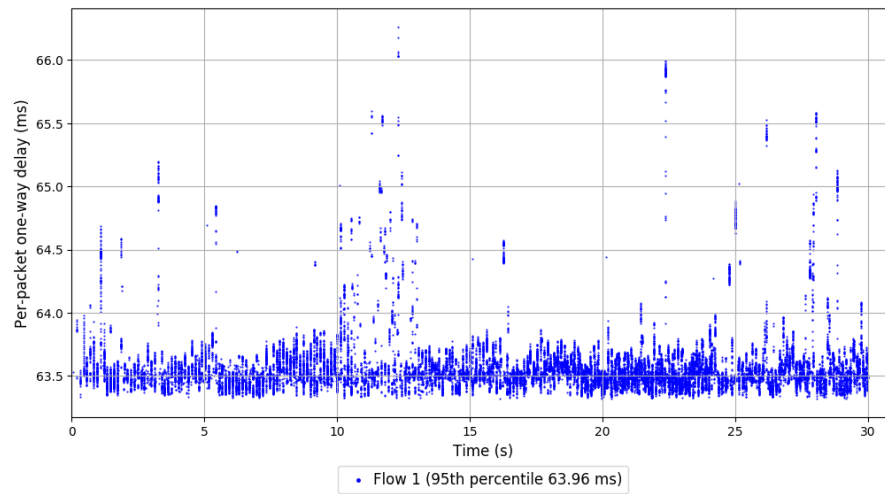
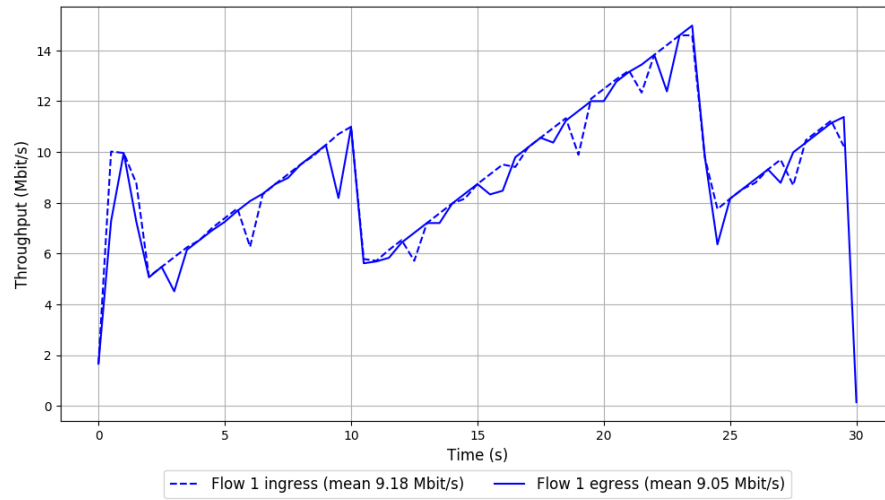
-- Flow 1:

Average throughput: 9.05 Mbit/s

95th percentile per-packet one-way delay: 63.964 ms

Loss rate: 1.42%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 19:52:39 +0000

End at: Sun, 06 Aug 2017 19:53:09 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:27:55 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.74 Mbit/s

95th percentile per-packet one-way delay: 63.699 ms

Loss rate: 2.77%

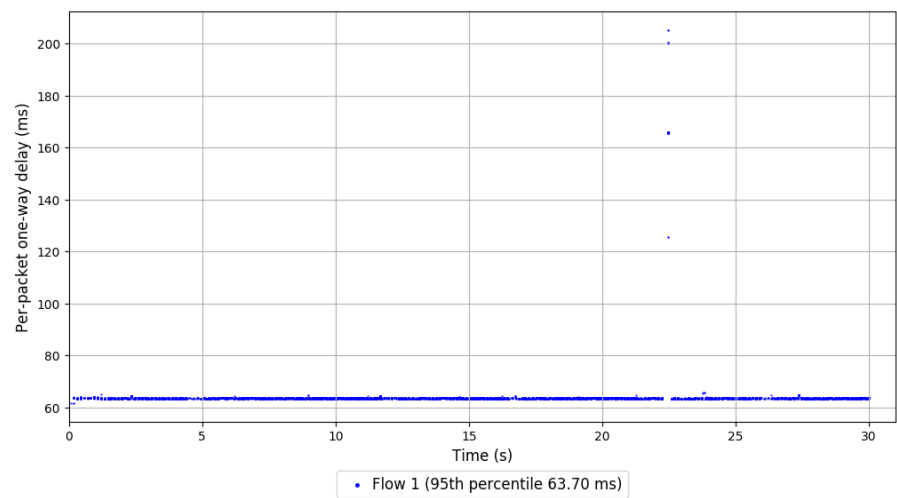
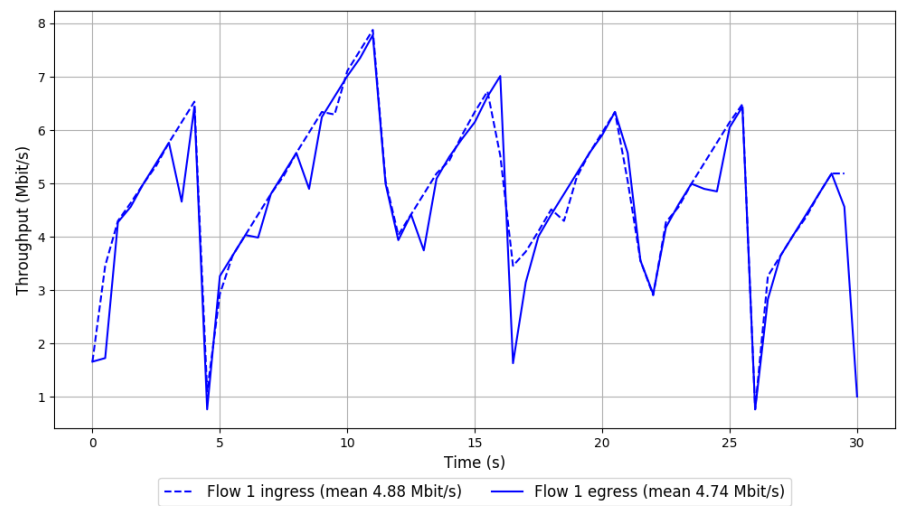
-- Flow 1:

Average throughput: 4.74 Mbit/s

95th percentile per-packet one-way delay: 63.699 ms

Loss rate: 2.77%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 20:03:04 +0000

End at: Sun, 06 Aug 2017 20:03:34 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:27:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 63.752 ms

Loss rate: 3.52%

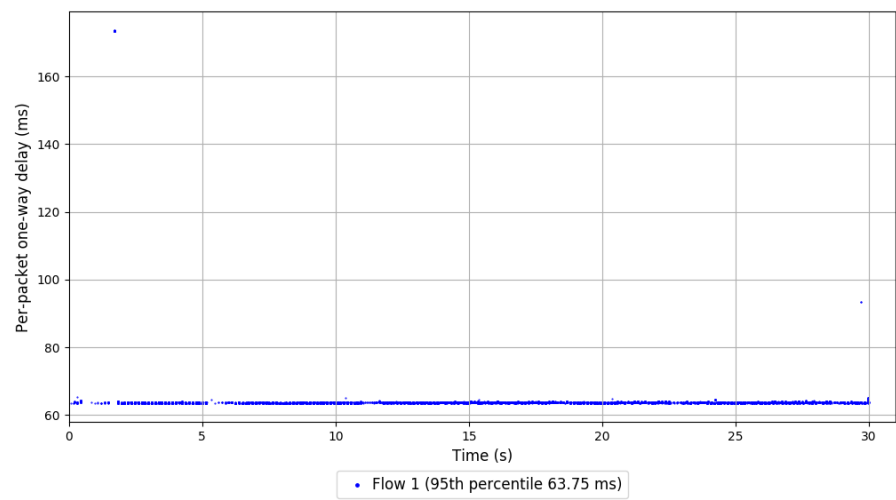
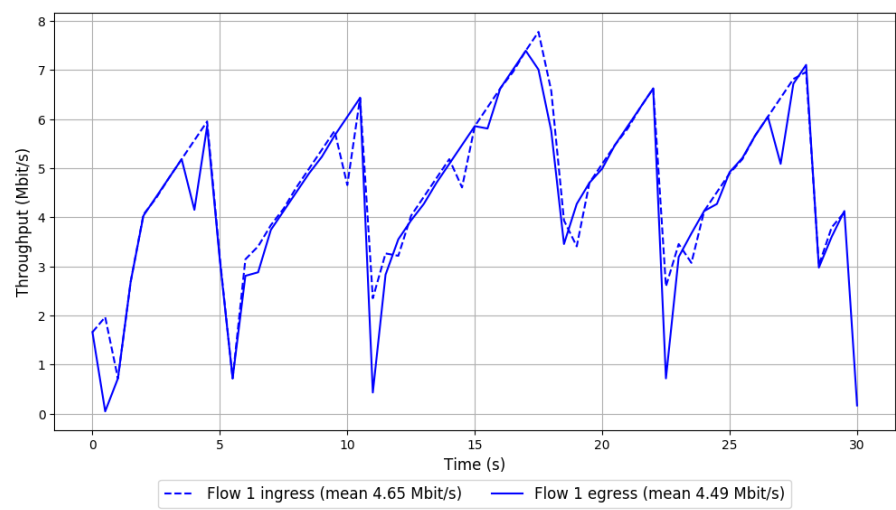
-- Flow 1:

Average throughput: 4.49 Mbit/s

95th percentile per-packet one-way delay: 63.752 ms

Loss rate: 3.52%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 20:13:42 +0000

End at: Sun, 06 Aug 2017 20:14:12 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:27:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.06 Mbit/s

95th percentile per-packet one-way delay: 63.822 ms

Loss rate: 2.20%

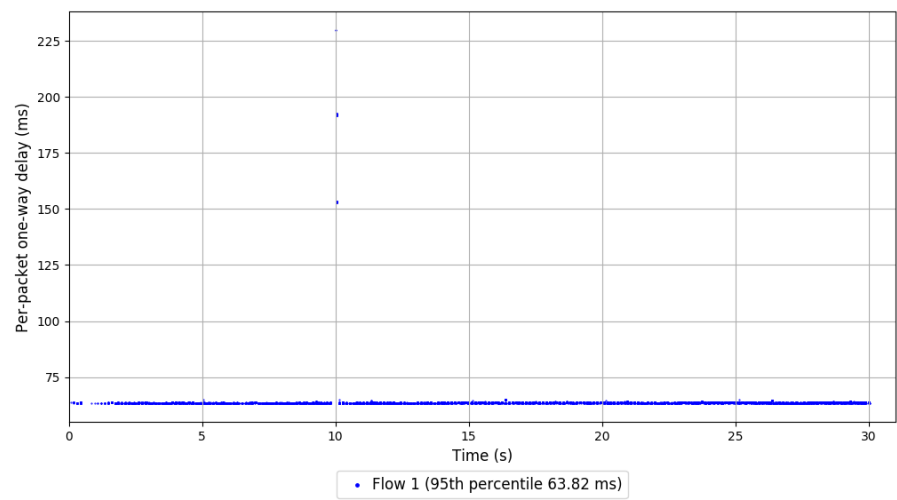
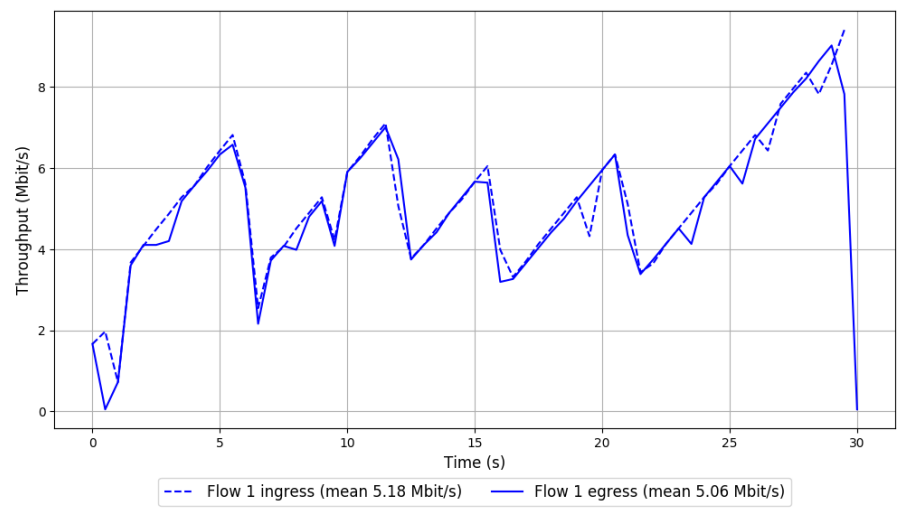
-- Flow 1:

Average throughput: 5.06 Mbit/s

95th percentile per-packet one-way delay: 63.822 ms

Loss rate: 2.20%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Sun, 06 Aug 2017 18:36:33 +0000

End at: Sun, 06 Aug 2017 18:37:03 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:28:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 63.901 ms

Loss rate: 99.83%

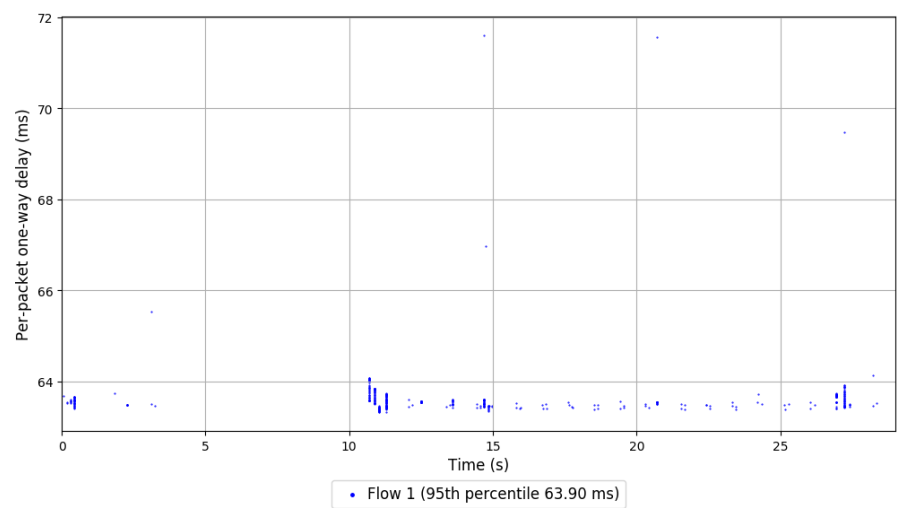
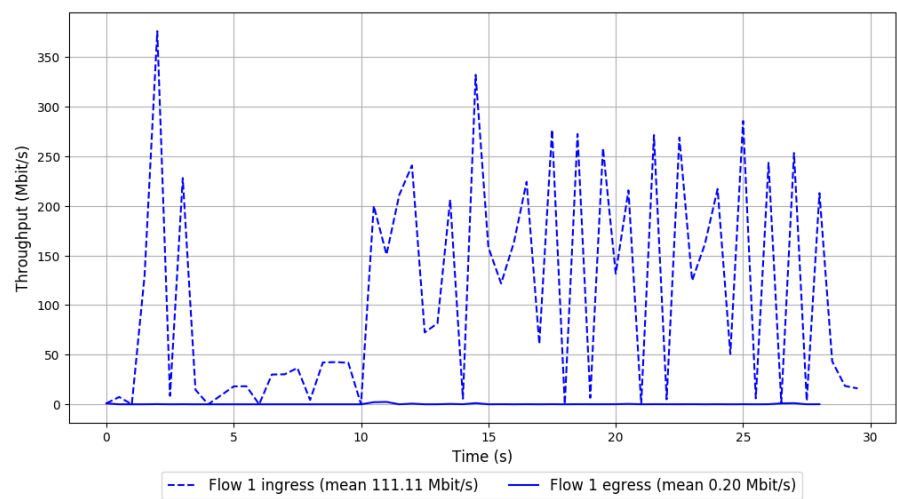
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 63.901 ms

Loss rate: 99.83%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sun, 06 Aug 2017 18:46:56 +0000

End at: Sun, 06 Aug 2017 18:47:26 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:28:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.69 Mbit/s

95th percentile per-packet one-way delay: 64.383 ms

Loss rate: 81.27%

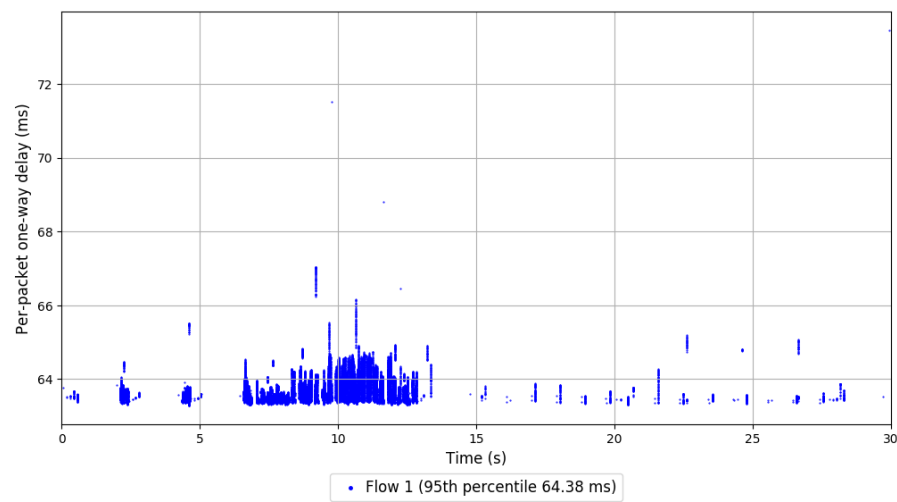
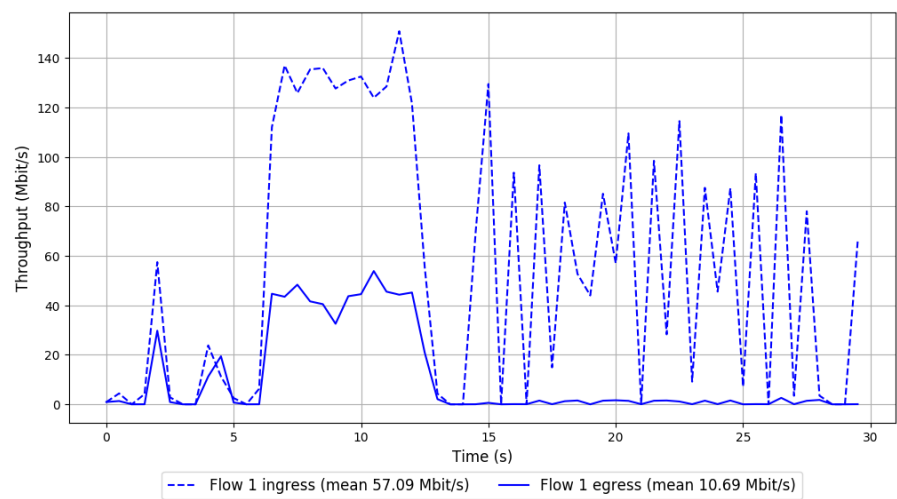
-- Flow 1:

Average throughput: 10.69 Mbit/s

95th percentile per-packet one-way delay: 64.383 ms

Loss rate: 81.27%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sun, 06 Aug 2017 18:57:09 +0000

End at: Sun, 06 Aug 2017 18:57:39 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:28:34 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 156.52 Mbit/s

95th percentile per-packet one-way delay: 111.958 ms

Loss rate: 1.29%

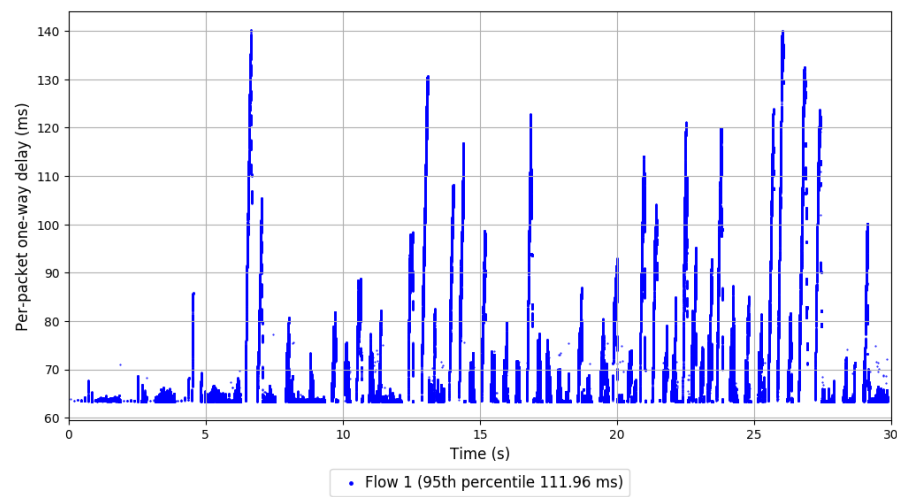
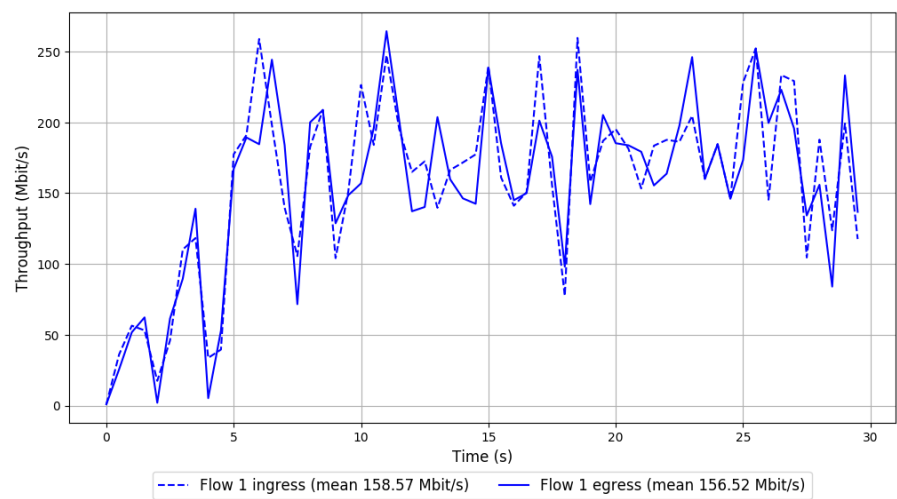
-- Flow 1:

Average throughput: 156.52 Mbit/s

95th percentile per-packet one-way delay: 111.958 ms

Loss rate: 1.29%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Sun, 06 Aug 2017 19:07:18 +0000

End at: Sun, 06 Aug 2017 19:07:48 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:28:34 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 79.13 Mbit/s

95th percentile per-packet one-way delay: 81.495 ms

Loss rate: 7.24%

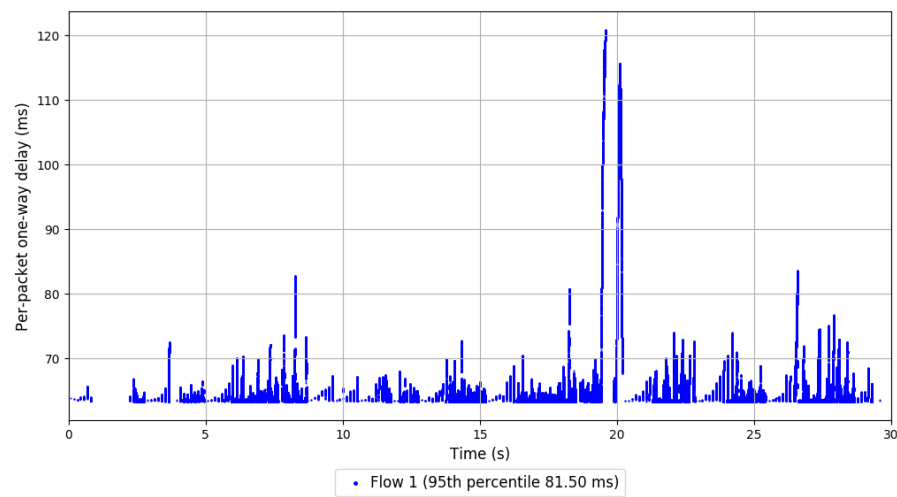
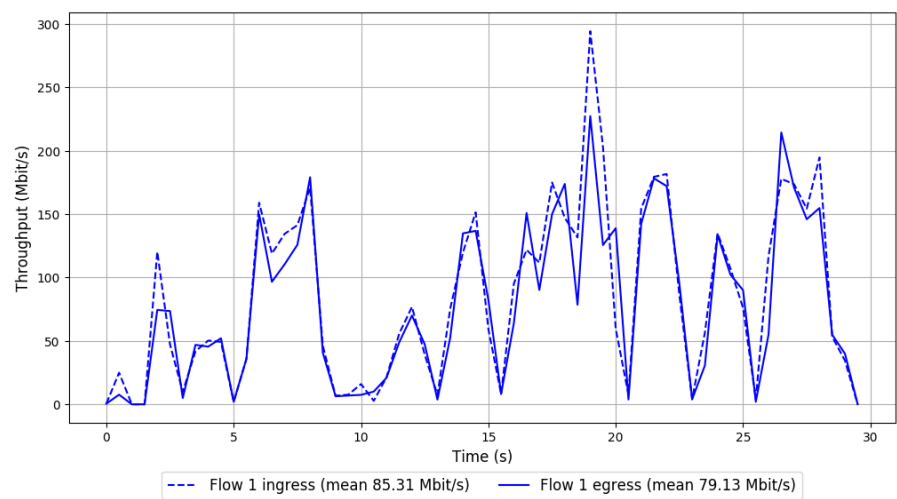
-- Flow 1:

Average throughput: 79.13 Mbit/s

95th percentile per-packet one-way delay: 81.495 ms

Loss rate: 7.24%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Sun, 06 Aug 2017 19:17:42 +0000

End at: Sun, 06 Aug 2017 19:18:12 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:28:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 99.13 Mbit/s

95th percentile per-packet one-way delay: 74.311 ms

Loss rate: 2.29%

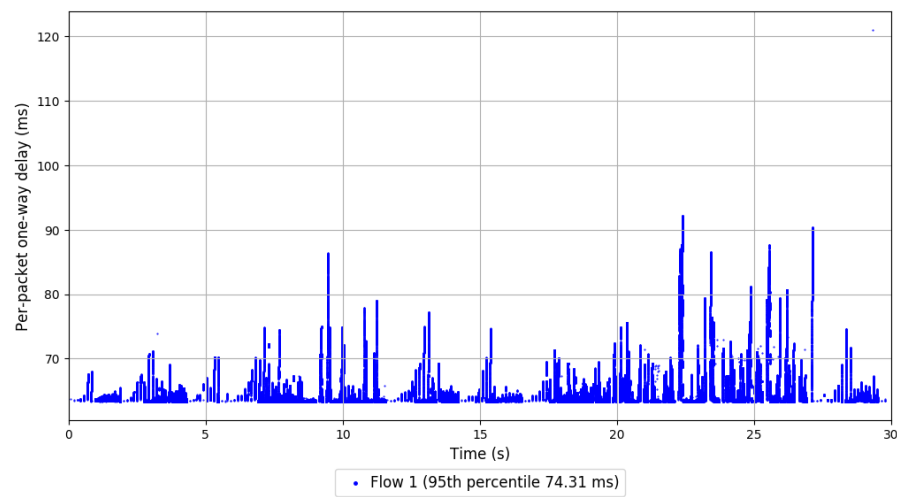
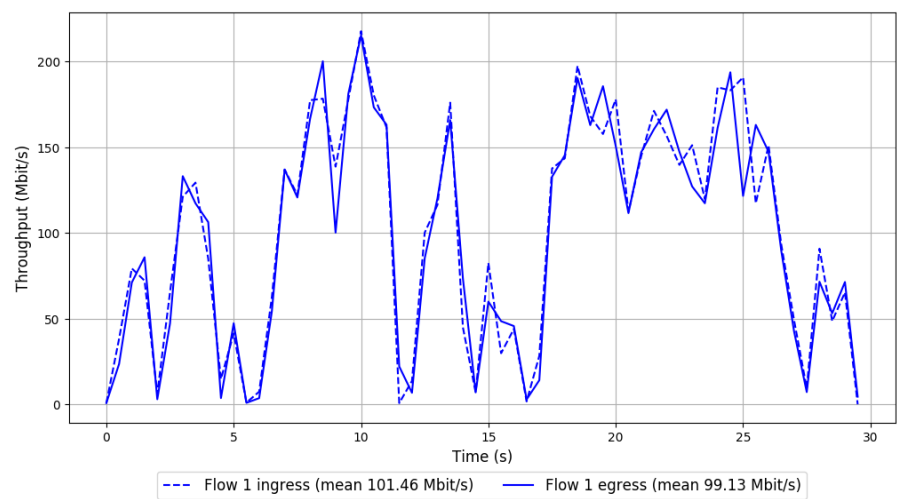
-- Flow 1:

Average throughput: 99.13 Mbit/s

95th percentile per-packet one-way delay: 74.311 ms

Loss rate: 2.29%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Sun, 06 Aug 2017 19:28:04 +0000

End at: Sun, 06 Aug 2017 19:28:34 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:28:57 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 106.08 Mbit/s

95th percentile per-packet one-way delay: 91.289 ms

Loss rate: 9.27%

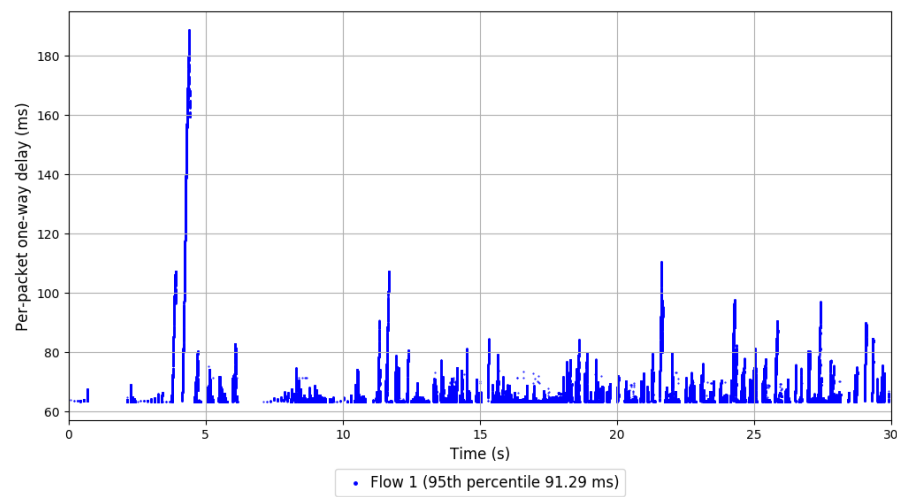
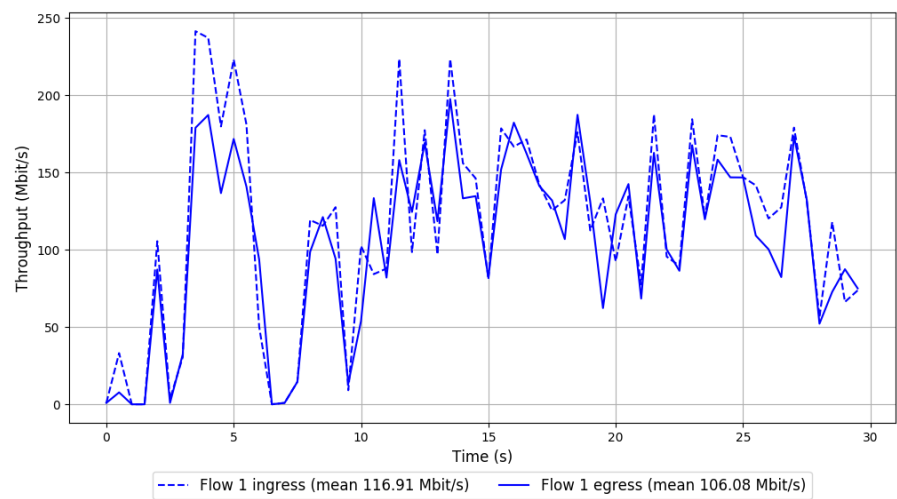
-- Flow 1:

Average throughput: 106.08 Mbit/s

95th percentile per-packet one-way delay: 91.289 ms

Loss rate: 9.27%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Sun, 06 Aug 2017 19:38:01 +0000

End at: Sun, 06 Aug 2017 19:38:31 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:29:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 118.89 Mbit/s

95th percentile per-packet one-way delay: 90.922 ms

Loss rate: 0.99%

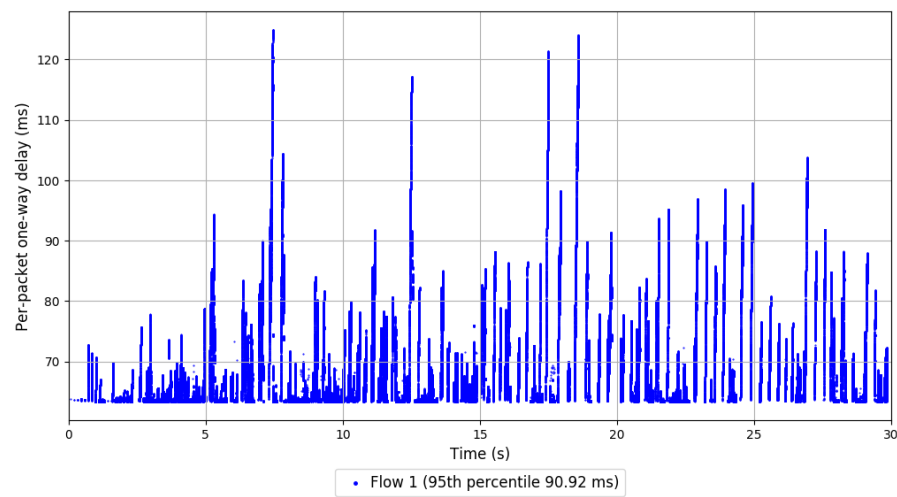
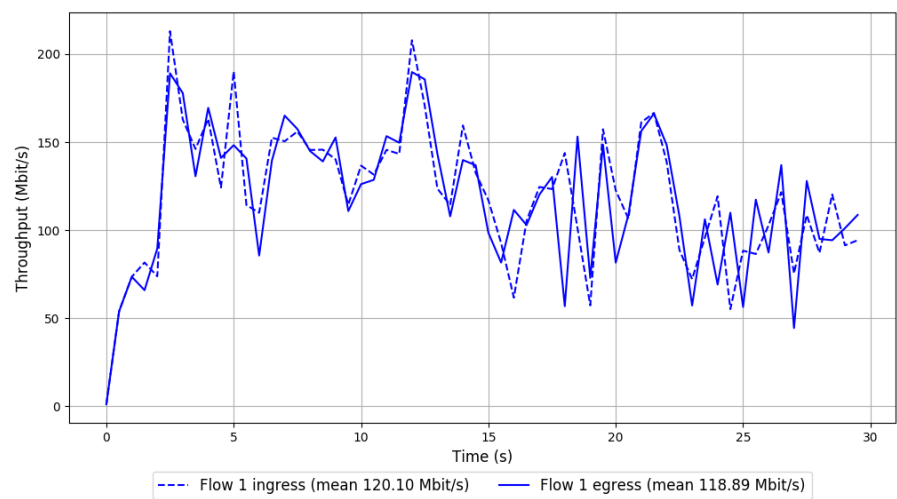
-- Flow 1:

Average throughput: 118.89 Mbit/s

95th percentile per-packet one-way delay: 90.922 ms

Loss rate: 0.99%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Sun, 06 Aug 2017 19:48:39 +0000

End at: Sun, 06 Aug 2017 19:49:09 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:29:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 115.186 ms

Loss rate: 16.59%

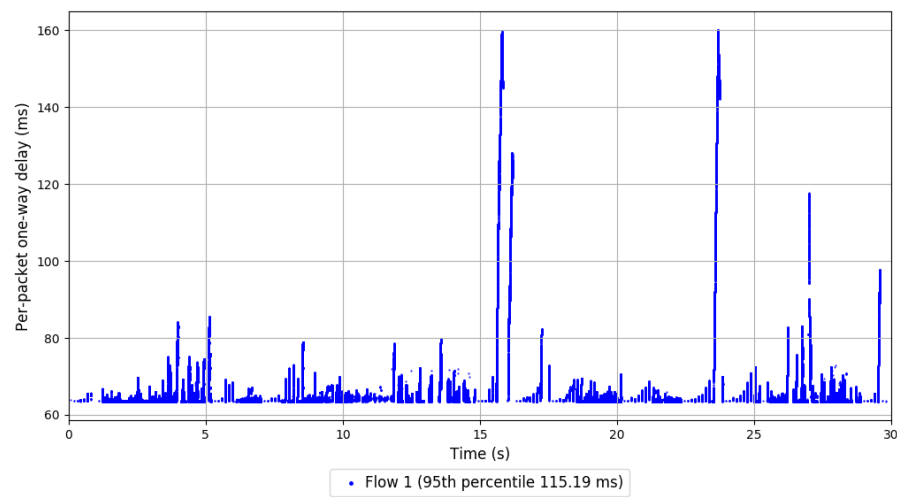
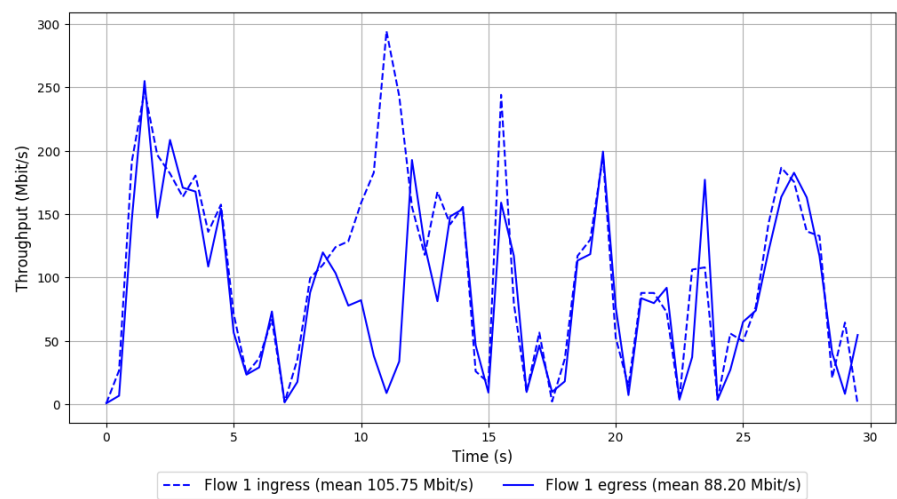
-- Flow 1:

Average throughput: 88.20 Mbit/s

95th percentile per-packet one-way delay: 115.186 ms

Loss rate: 16.59%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Sun, 06 Aug 2017 19:58:57 +0000

End at: Sun, 06 Aug 2017 19:59:27 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:29:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 112.90 Mbit/s

95th percentile per-packet one-way delay: 108.773 ms

Loss rate: 8.53%

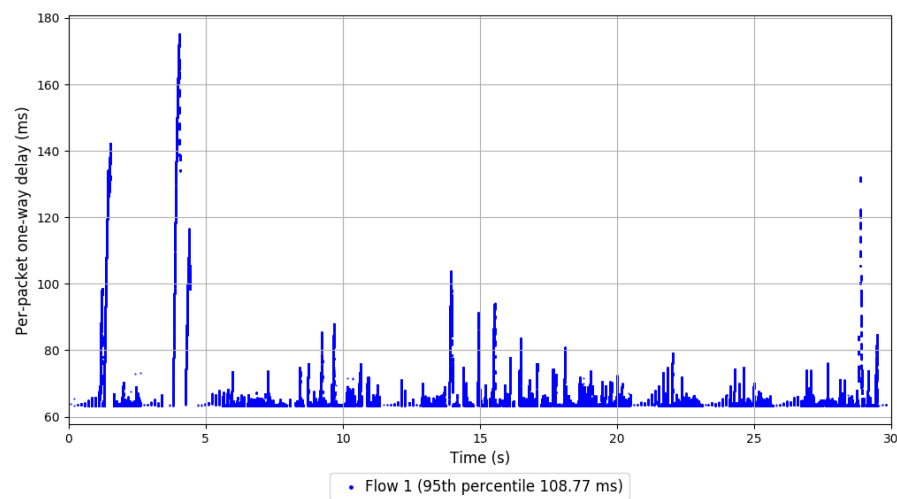
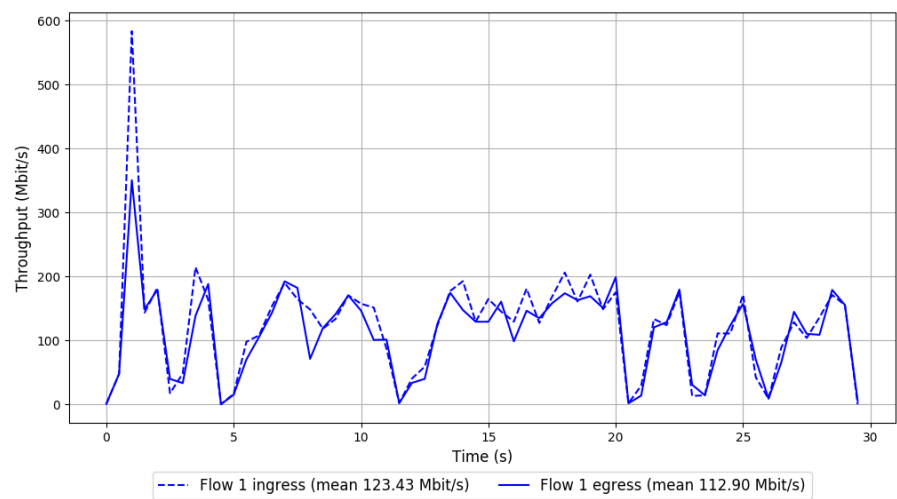
-- Flow 1:

Average throughput: 112.90 Mbit/s

95th percentile per-packet one-way delay: 108.773 ms

Loss rate: 8.53%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Sun, 06 Aug 2017 20:09:33 +0000

End at: Sun, 06 Aug 2017 20:10:03 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:29:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.79 Mbit/s

95th percentile per-packet one-way delay: 90.462 ms

Loss rate: 4.52%

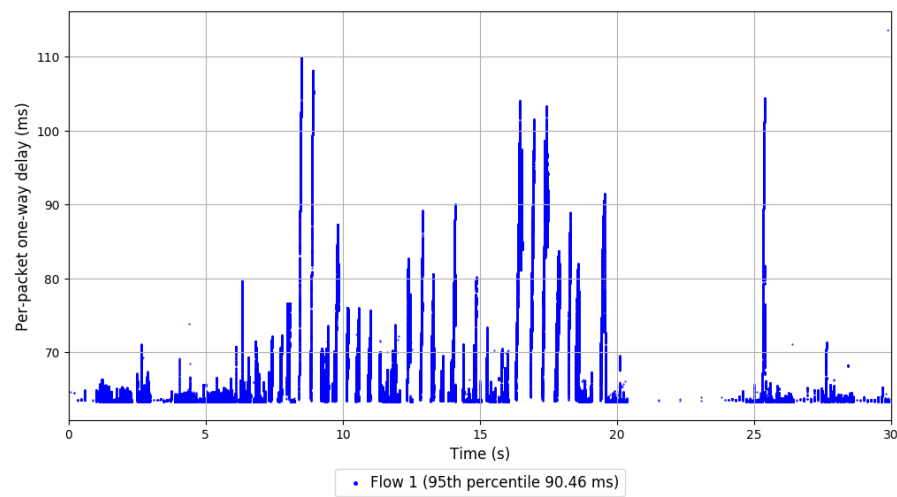
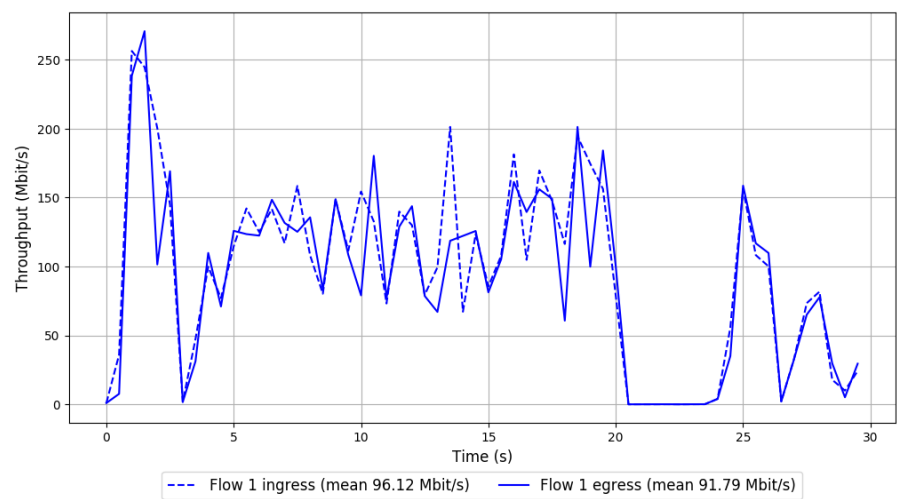
-- Flow 1:

Average throughput: 91.79 Mbit/s

95th percentile per-packet one-way delay: 90.462 ms

Loss rate: 4.52%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 18:37:12 +0000

End at: Sun, 06 Aug 2017 18:37:42 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:29:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 63.593 ms

Loss rate: 0.00%

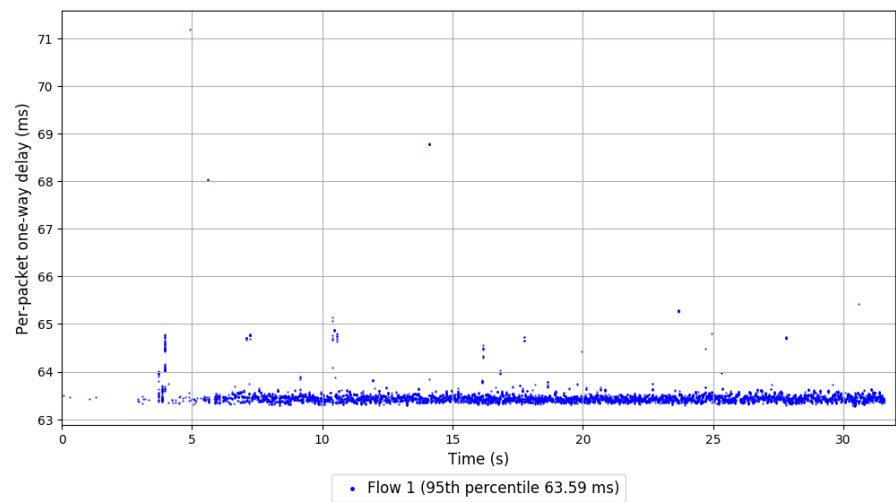
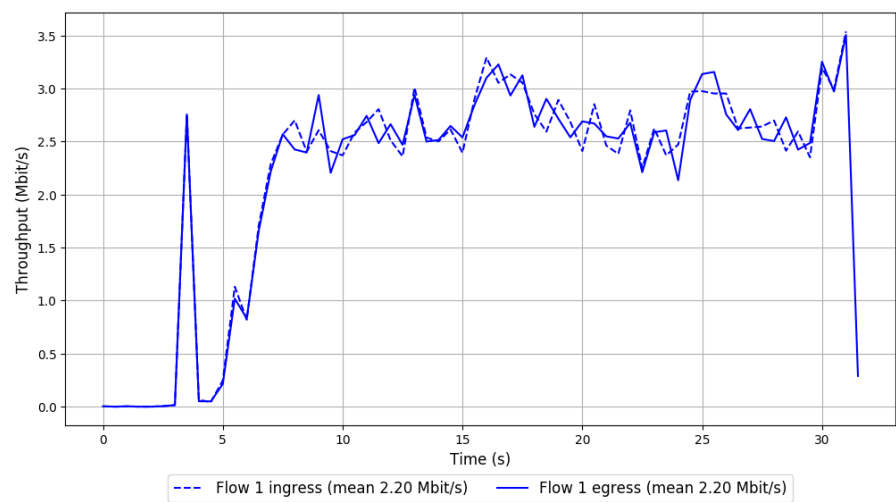
-- Flow 1:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 63.593 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 18:47:35 +0000

End at: Sun, 06 Aug 2017 18:48:05 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:29:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 63.670 ms

Loss rate: 0.00%

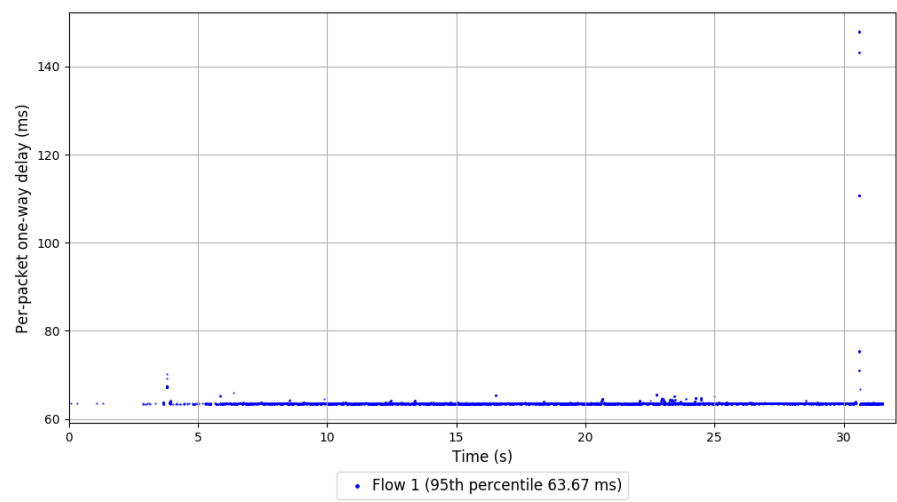
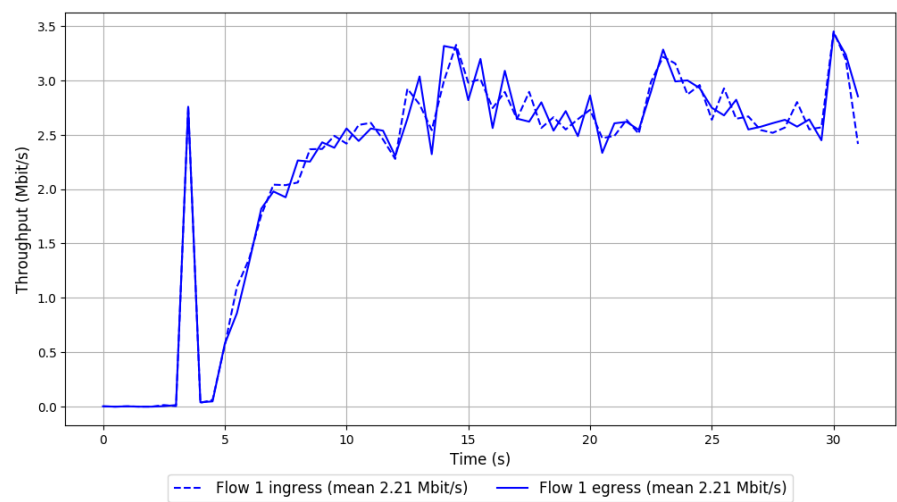
-- Flow 1:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 63.670 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 18:57:58 +0000

End at: Sun, 06 Aug 2017 18:58:28 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:29:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 63.635 ms

Loss rate: 0.00%

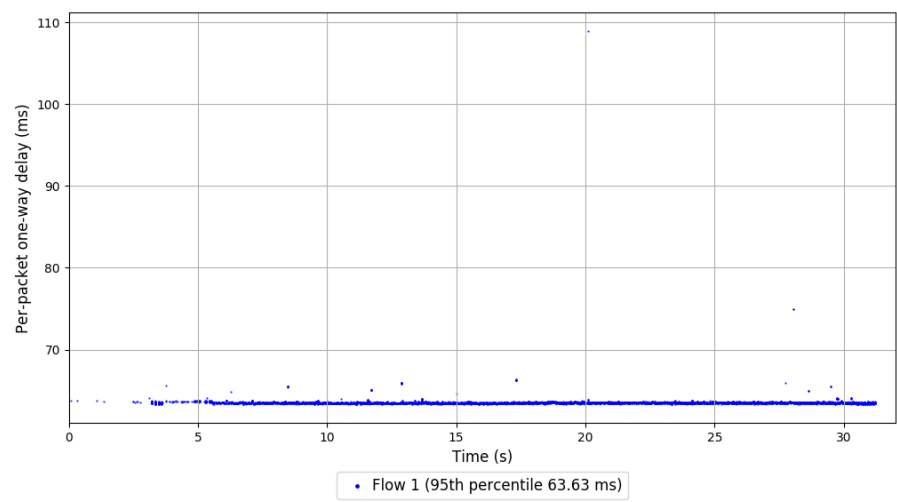
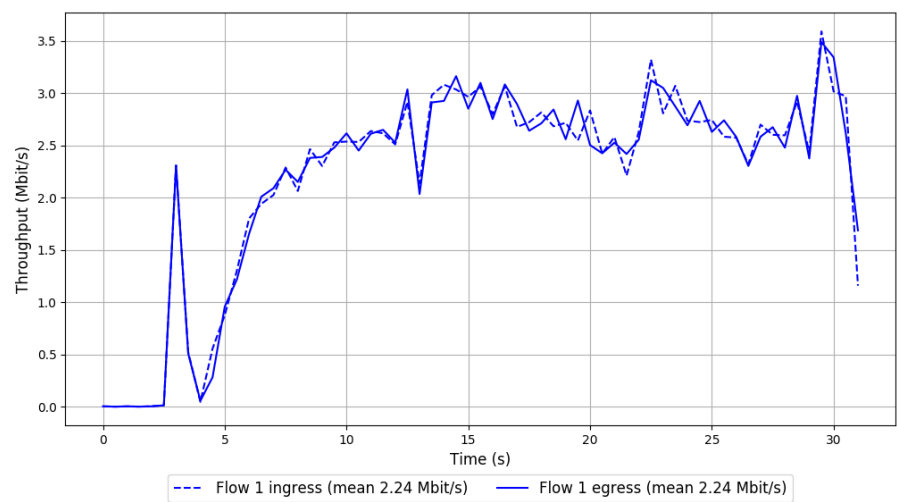
-- Flow 1:

Average throughput: 2.24 Mbit/s

95th percentile per-packet one-way delay: 63.635 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 19:08:01 +0000

End at: Sun, 06 Aug 2017 19:08:31 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:29:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 63.601 ms

Loss rate: 0.09%

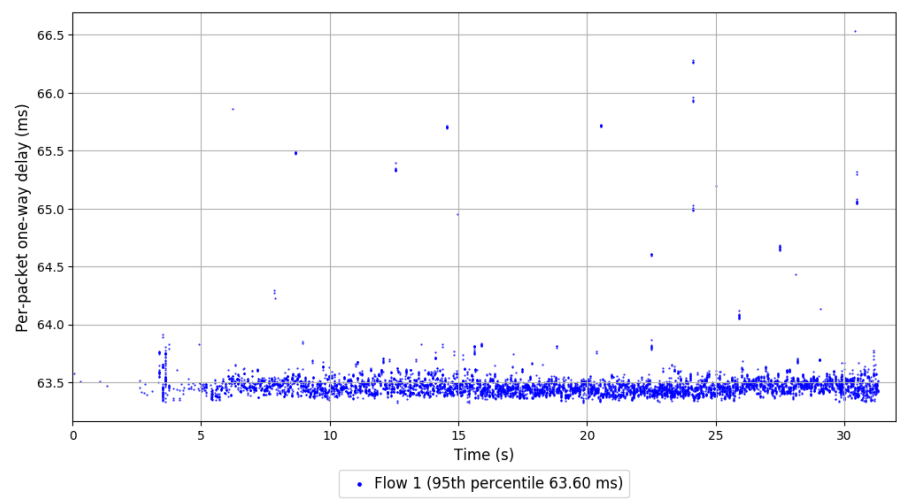
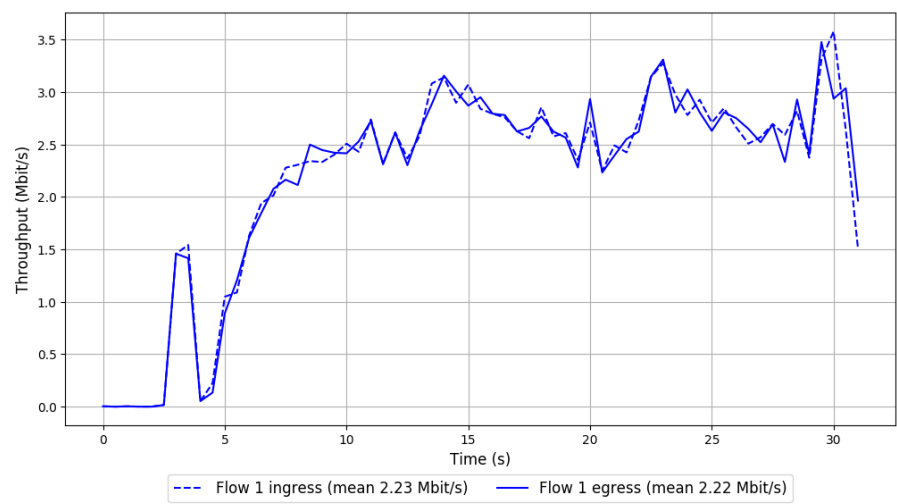
-- Flow 1:

Average throughput: 2.22 Mbit/s

95th percentile per-packet one-way delay: 63.601 ms

Loss rate: 0.09%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 19:18:26 +0000

End at: Sun, 06 Aug 2017 19:18:56 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:29:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 63.761 ms

Loss rate: 0.00%

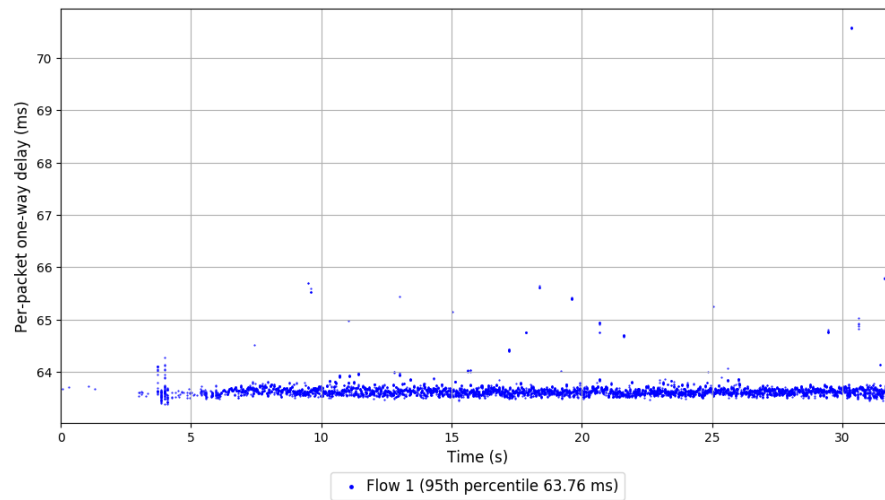
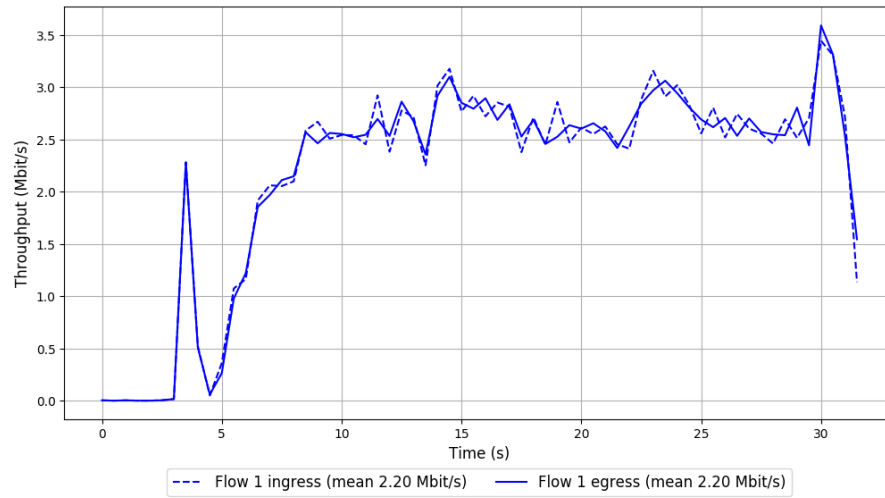
-- Flow 1:

Average throughput: 2.20 Mbit/s

95th percentile per-packet one-way delay: 63.761 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

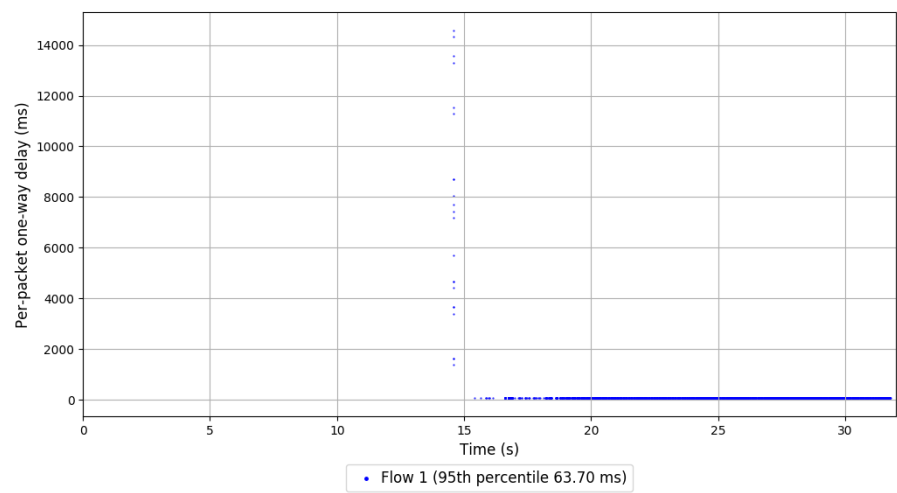
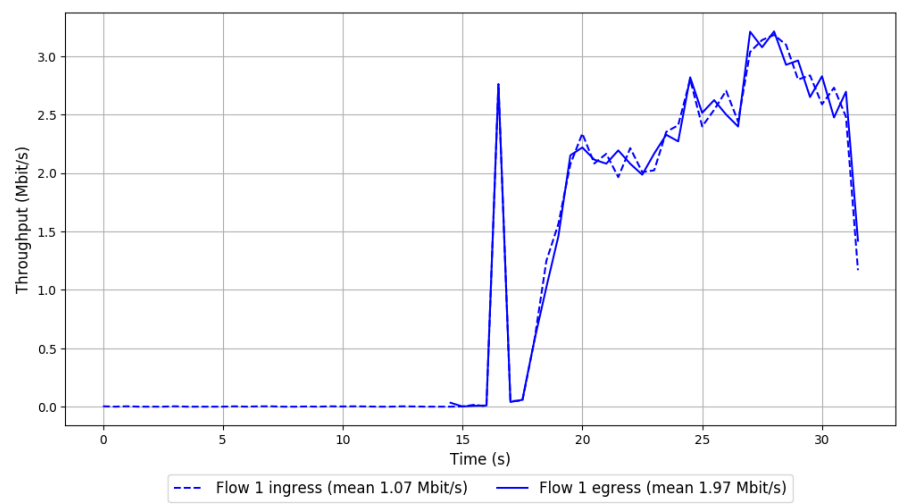


Run 6: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 19:28:49 +0000

End at: Sun, 06 Aug 2017 19:29:19 +0000

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 19:38:48 +0000

End at: Sun, 06 Aug 2017 19:39:18 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:29:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 63.371 ms

Loss rate: 0.00%

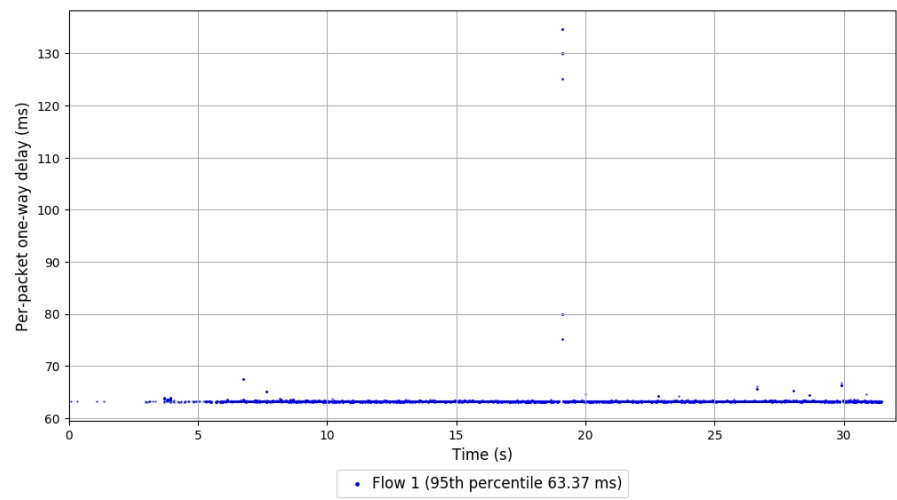
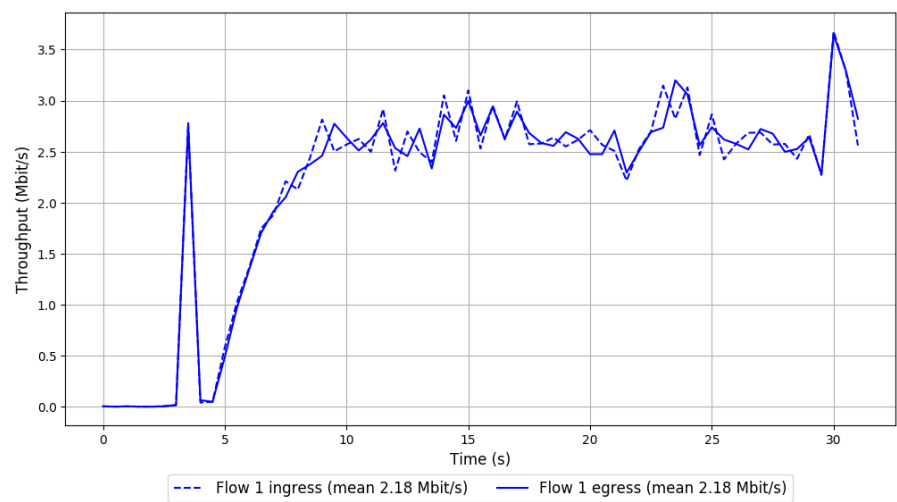
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 63.371 ms

Loss rate: 0.00%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 19:49:23 +0000

End at: Sun, 06 Aug 2017 19:49:53 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:29:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 63.383 ms

Loss rate: 0.00%

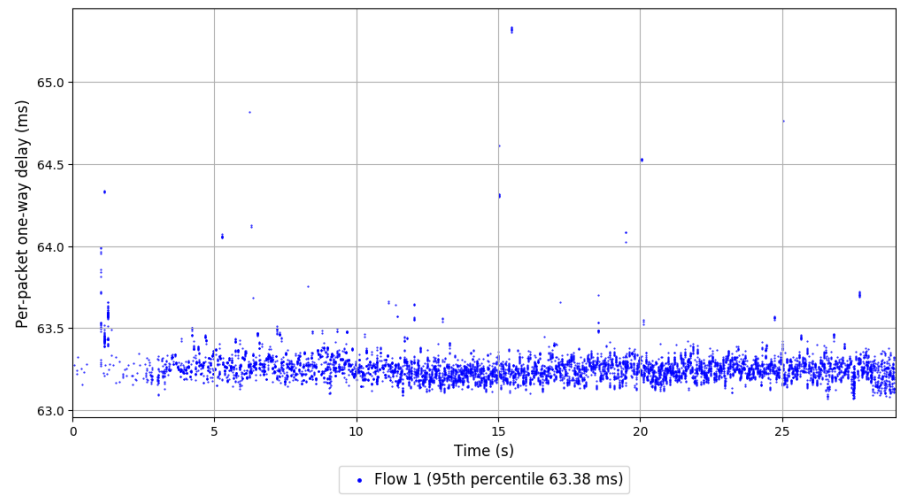
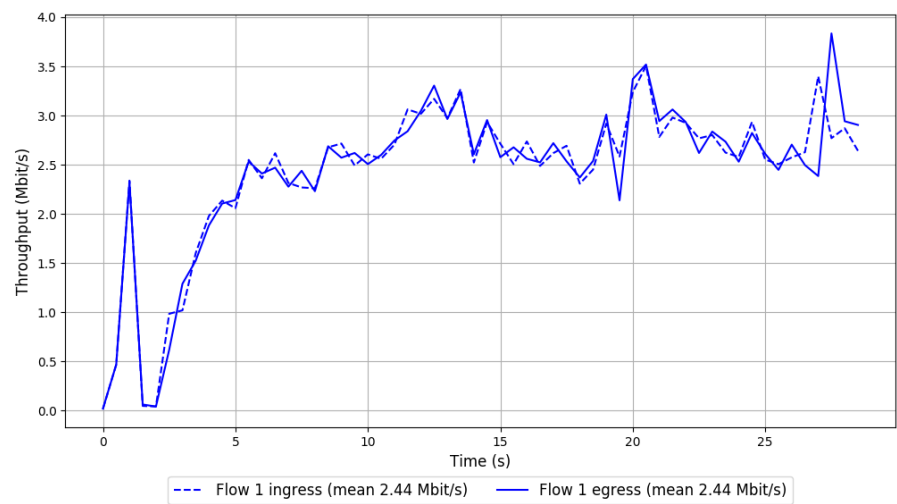
-- Flow 1:

Average throughput: 2.44 Mbit/s

95th percentile per-packet one-way delay: 63.383 ms

Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 19:59:43 +0000

End at: Sun, 06 Aug 2017 20:00:13 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:29:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 63.624 ms

Loss rate: 0.00%

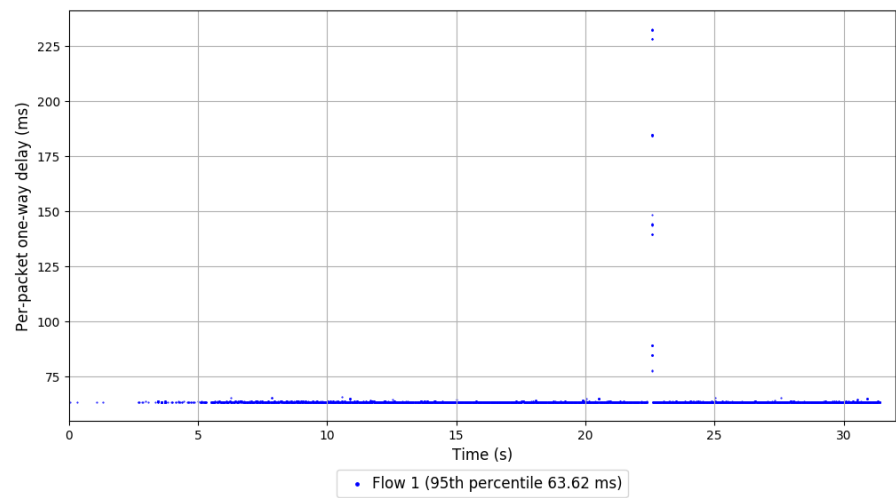
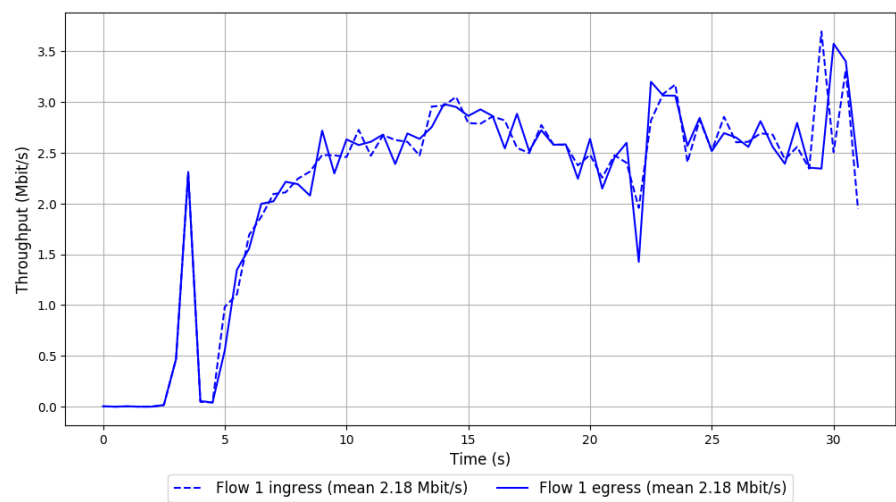
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 63.624 ms

Loss rate: 0.00%

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 20:10:17 +0000

End at: Sun, 06 Aug 2017 20:10:47 +0000

Run 10: Report of WebRTC media — Data Link

