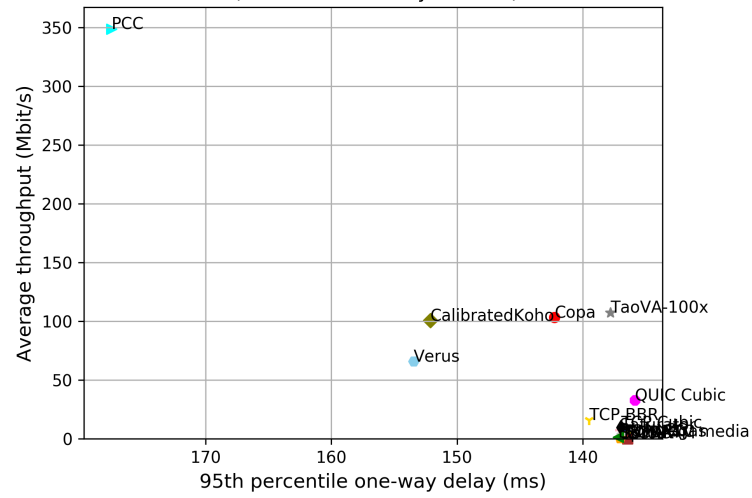


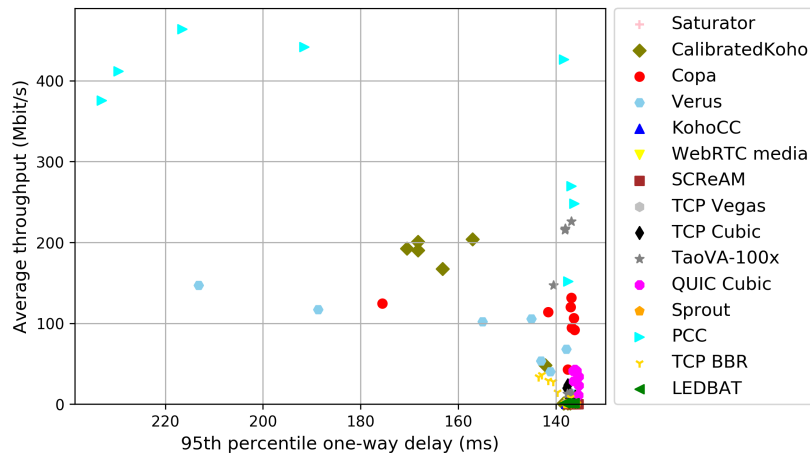
Pantheon Summary (Generated at Sun, 06 Aug 2017 21:58:17 +0000 with
pantheon version a934ee3822380a12762347e6bc8bd1f3e836e73b)
Repeated the test of 15 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Data path: GCE Sydney Ethernet (*local*) → GCE London Ethernet (*remote*).

```
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 Sydney Ethernet to GCE London Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



test from GCE Sydney Ethernet to GCE London 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	15.81	139.50	20.64
CalibratedKoho	10	100.66	152.12	32.36
Copa	10	103.25	142.25	0.05
TCP Cubic	10	9.55	136.96	1.30
KohoCC	10	3.13	136.68	25.22
LEDBAT	10	1.26	137.19	1.50
PCC	10	348.62	177.48	3.59
QUIC Cubic	10	32.72	135.86	0.01
Saturator	10	7.20	137.07	10.48
SCReAM	10	0.22	136.43	0.01
Sprout	10	0.43	137.02	0.01
TaoVA-100x	10	107.25	137.80	0.23
TCP Vegas	10	2.24	136.94	1.27
Verus	10	65.92	153.46	24.77
WebRTC media	10	2.07	136.60	0.00

Run 1: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 18:56:07 +0000

End at: Sun, 06 Aug 2017 18:56:37 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:42:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.33 Mbit/s

95th percentile per-packet one-way delay: 142.941 ms

Loss rate: 3.03%

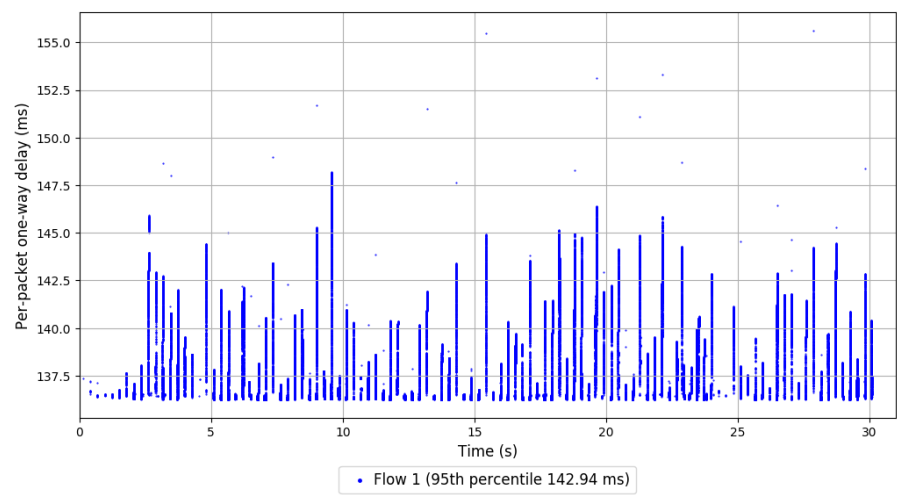
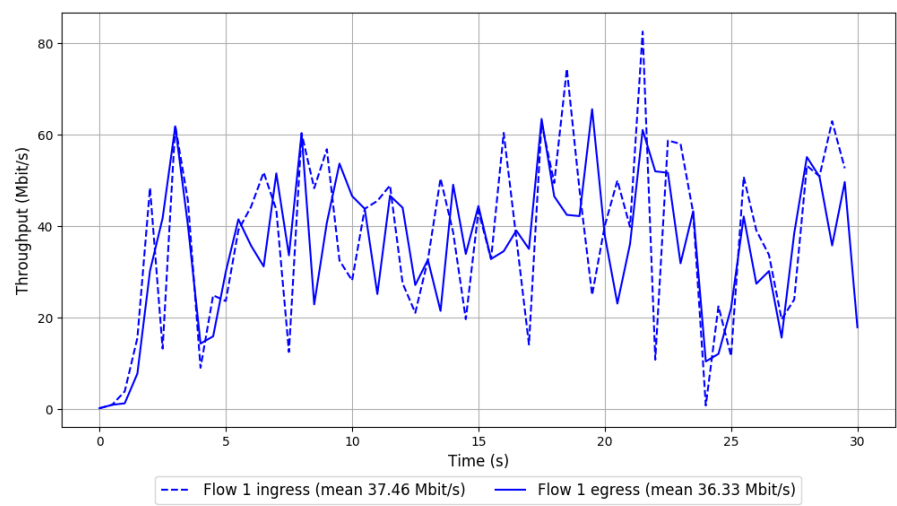
-- Flow 1:

Average throughput: 36.33 Mbit/s

95th percentile per-packet one-way delay: 142.941 ms

Loss rate: 3.03%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 19:07:43 +0000

End at: Sun, 06 Aug 2017 19:08:13 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:42:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.75 Mbit/s

95th percentile per-packet one-way delay: 143.561 ms

Loss rate: 1.86%

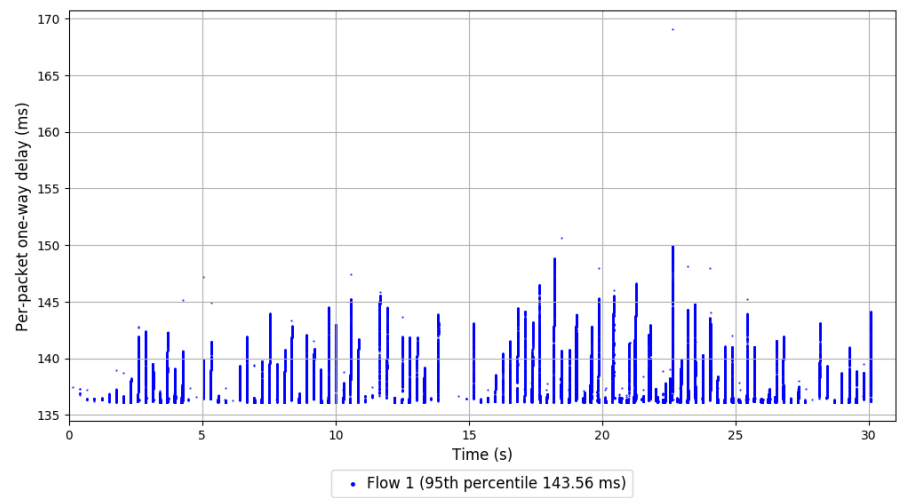
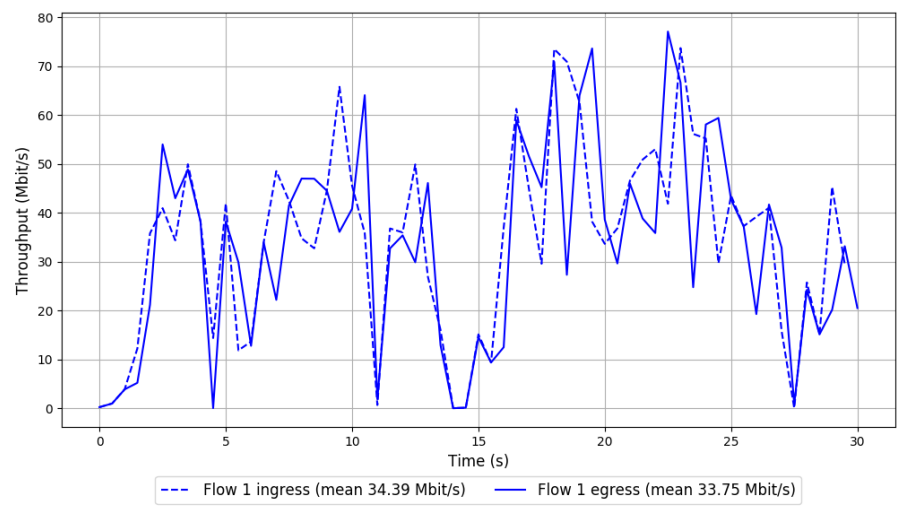
-- Flow 1:

Average throughput: 33.75 Mbit/s

95th percentile per-packet one-way delay: 143.561 ms

Loss rate: 1.86%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

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

End at: Sun, 06 Aug 2017 19:20:03 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:42:48 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.46 Mbit/s

95th percentile per-packet one-way delay: 139.705 ms

Loss rate: 30.59%

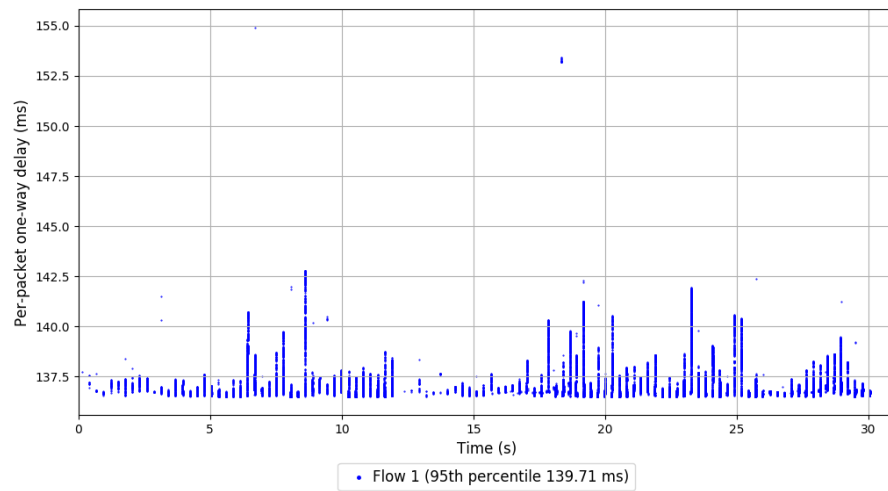
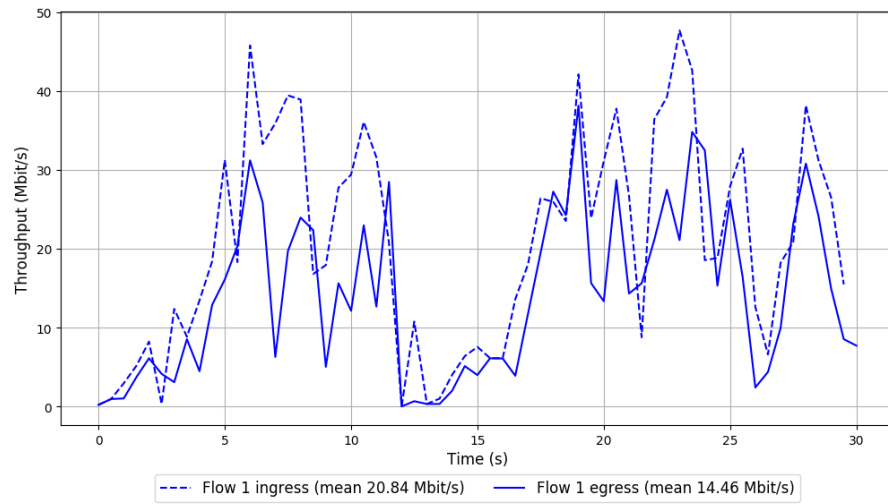
-- Flow 1:

Average throughput: 14.46 Mbit/s

95th percentile per-packet one-way delay: 139.705 ms

Loss rate: 30.59%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 19:31:07 +0000

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

Below is generated by plot.py at Sun, 06 Aug 2017 21:42:53 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.19 Mbit/s

95th percentile per-packet one-way delay: 141.632 ms

Loss rate: 2.85%

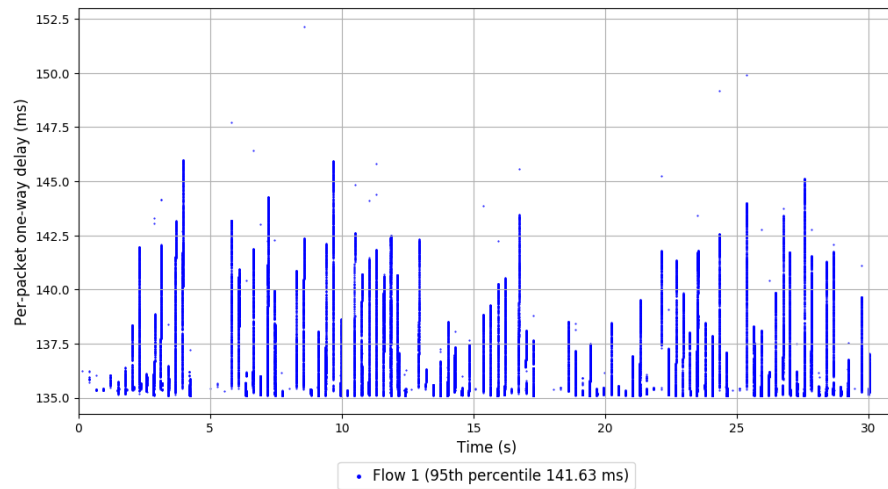
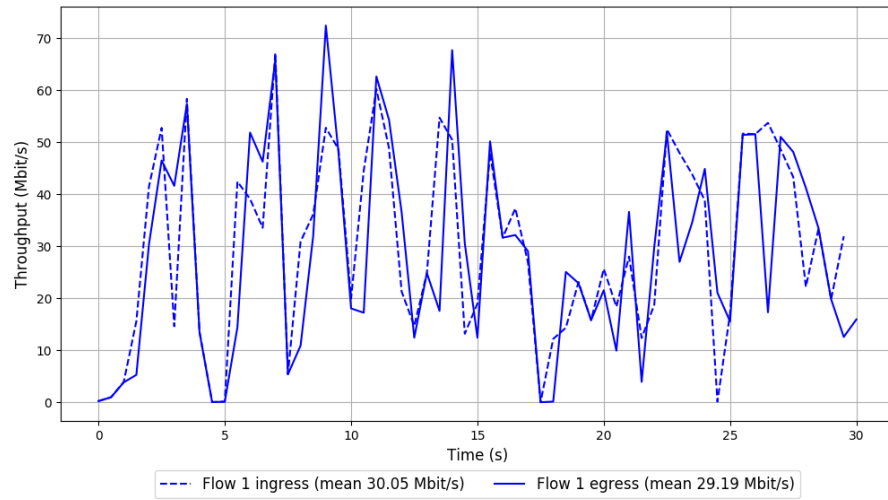
-- Flow 1:

Average throughput: 29.19 Mbit/s

95th percentile per-packet one-way delay: 141.632 ms

Loss rate: 2.85%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 19:42:36 +0000

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

Below is generated by plot.py at Sun, 06 Aug 2017 21:42:53 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.01 Mbit/s

95th percentile per-packet one-way delay: 137.038 ms

Loss rate: 35.98%

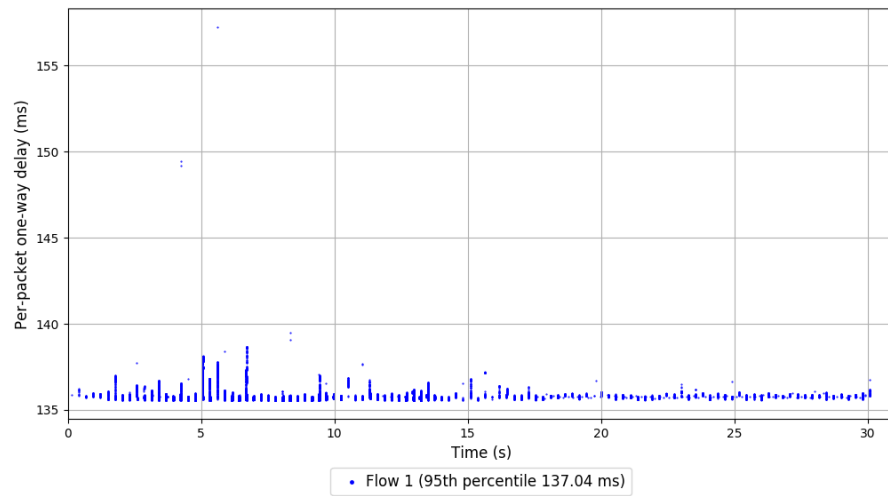
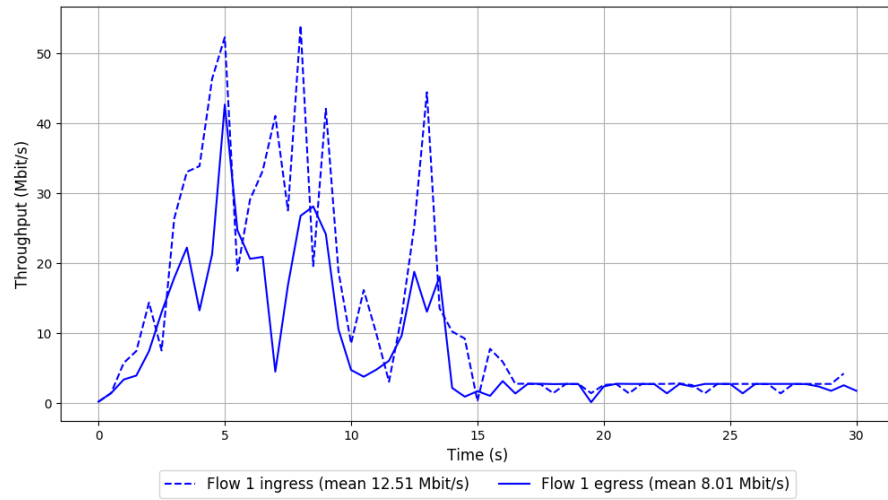
-- Flow 1:

Average throughput: 8.01 Mbit/s

95th percentile per-packet one-way delay: 137.038 ms

Loss rate: 35.98%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 19:53:57 +0000

End at: Sun, 06 Aug 2017 19:54:27 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:42:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.60 Mbit/s

95th percentile per-packet one-way delay: 136.570 ms

Loss rate: 47.12%

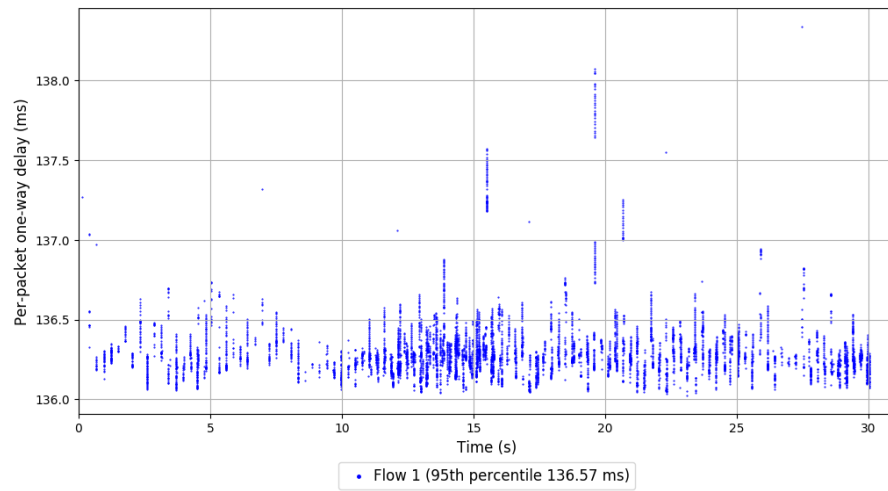
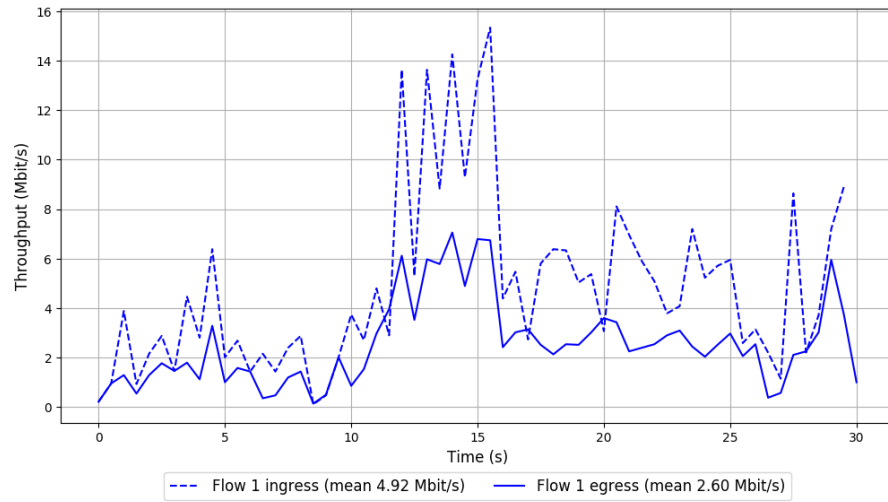
-- Flow 1:

Average throughput: 2.60 Mbit/s

95th percentile per-packet one-way delay: 136.570 ms

Loss rate: 47.12%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 20:05:14 +0000

End at: Sun, 06 Aug 2017 20:05:44 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:43:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 27.65 Mbit/s

95th percentile per-packet one-way delay: 140.592 ms

Loss rate: 3.82%

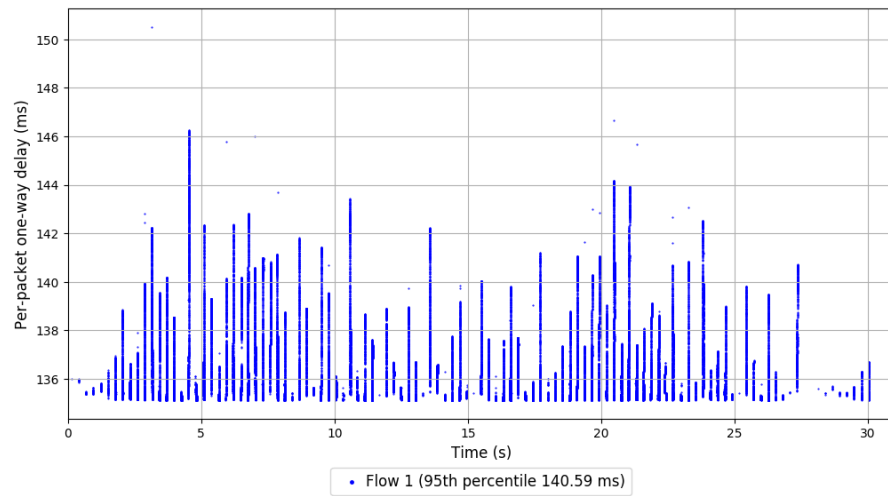
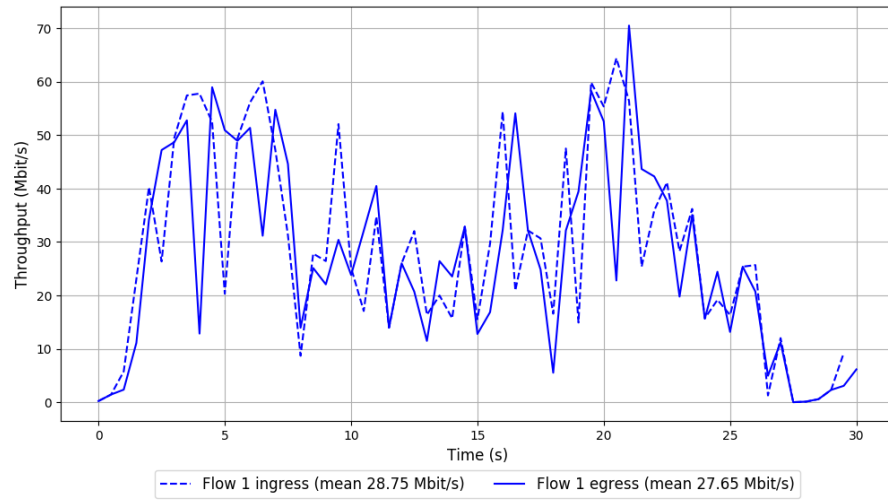
-- Flow 1:

Average throughput: 27.65 Mbit/s

95th percentile per-packet one-way delay: 140.592 ms

Loss rate: 3.82%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 20:16:45 +0000

End at: Sun, 06 Aug 2017 20:17:15 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:43:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.81 Mbit/s

95th percentile per-packet one-way delay: 136.515 ms

Loss rate: 22.19%

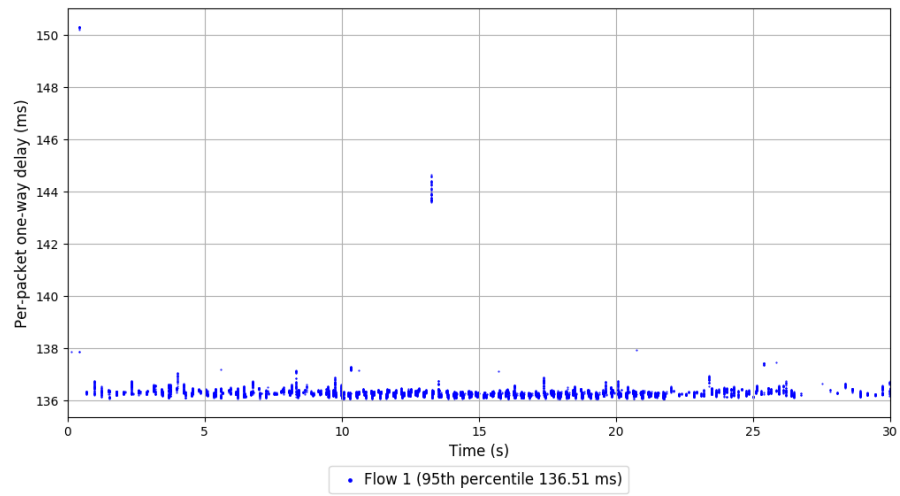
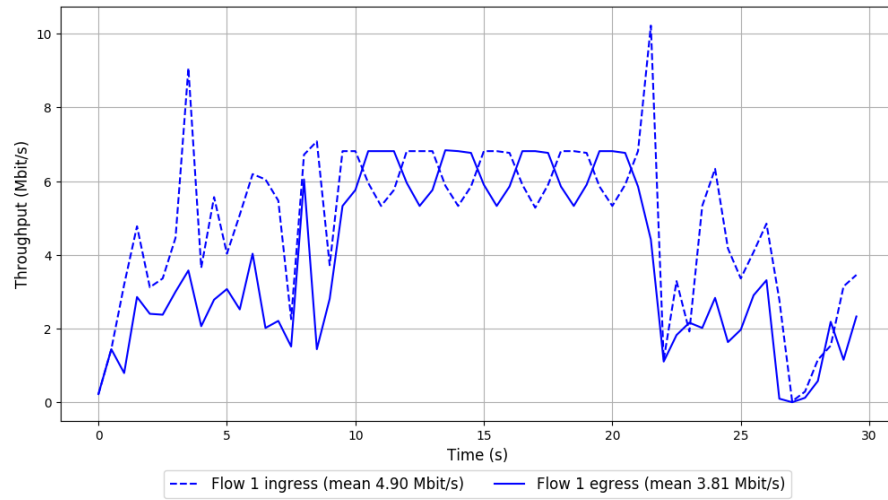
-- Flow 1:

Average throughput: 3.81 Mbit/s

95th percentile per-packet one-way delay: 136.515 ms

Loss rate: 22.19%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 20:27:47 +0000

End at: Sun, 06 Aug 2017 20:28:17 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:43:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 138.346 ms

Loss rate: 29.72%

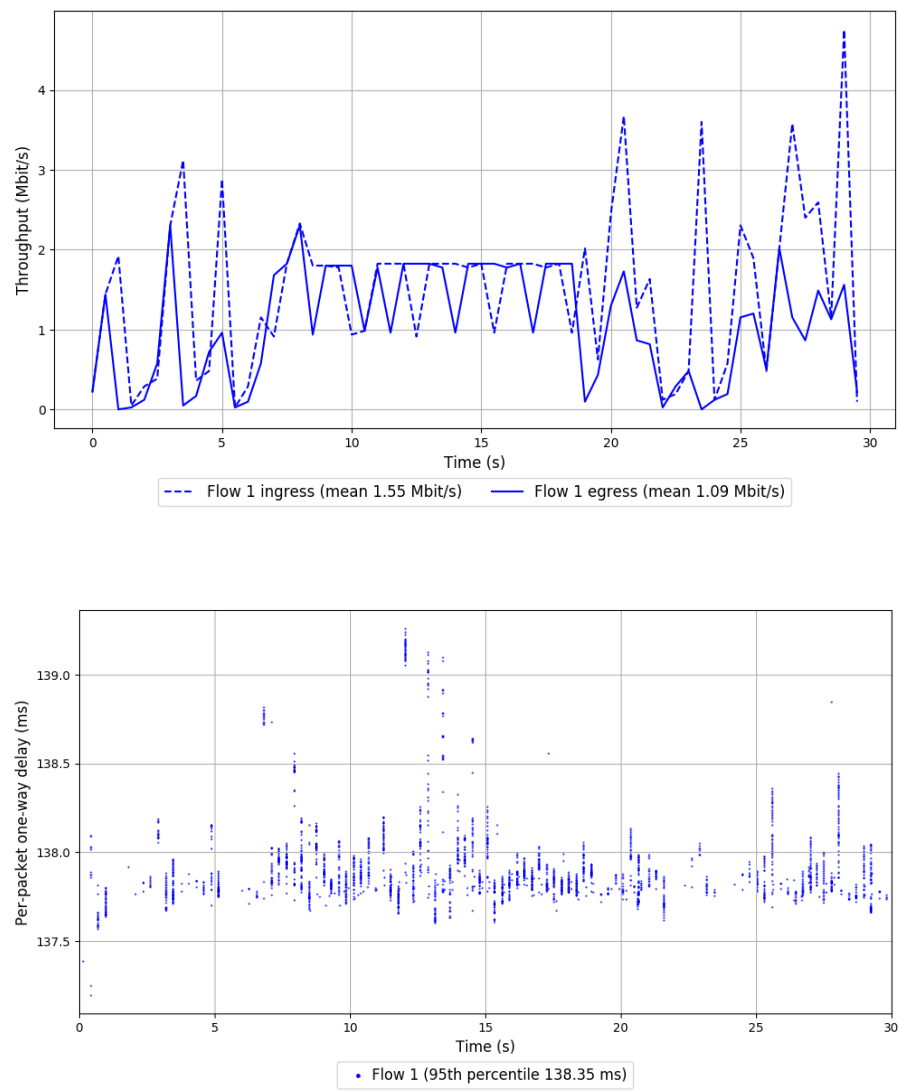
-- Flow 1:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 138.346 ms

Loss rate: 29.72%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 20:39:09 +0000

End at: Sun, 06 Aug 2017 20:39:39 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:43:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 138.076 ms

Loss rate: 29.29%

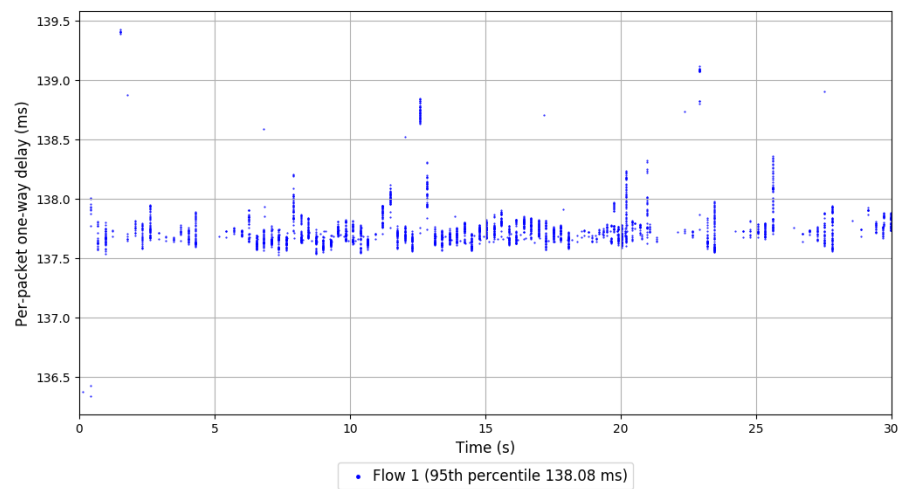
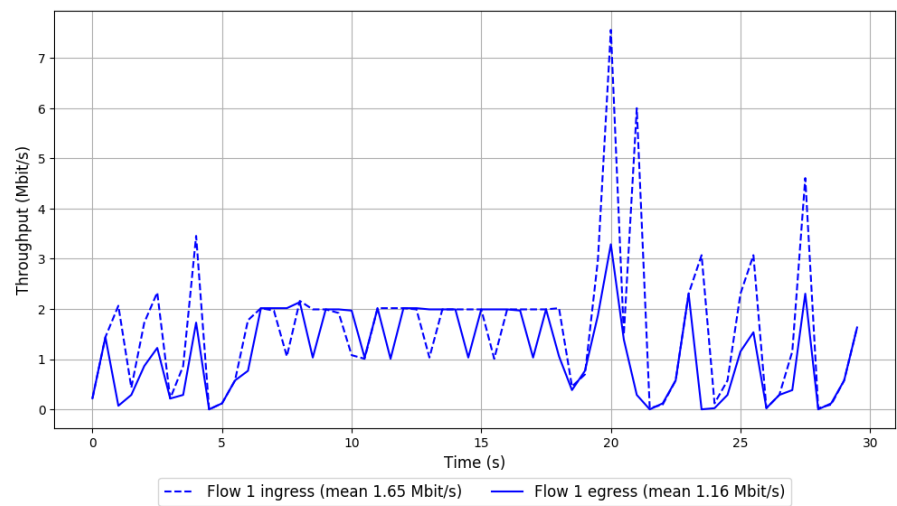
-- Flow 1:

Average throughput: 1.16 Mbit/s

95th percentile per-packet one-way delay: 138.076 ms

Loss rate: 29.29%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 19:00:25 +0000

End at: Sun, 06 Aug 2017 19:00:55 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:43:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 200.98 Mbit/s

95th percentile per-packet one-way delay: 168.261 ms

Loss rate: 0.07%

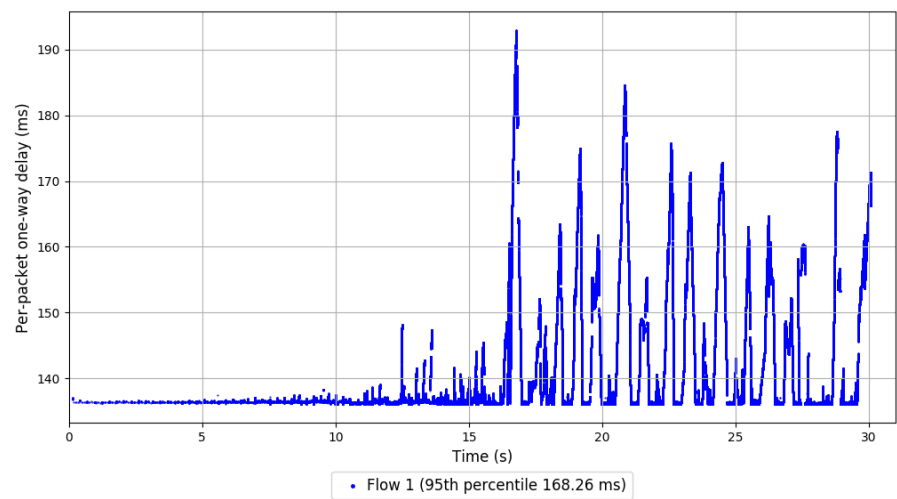
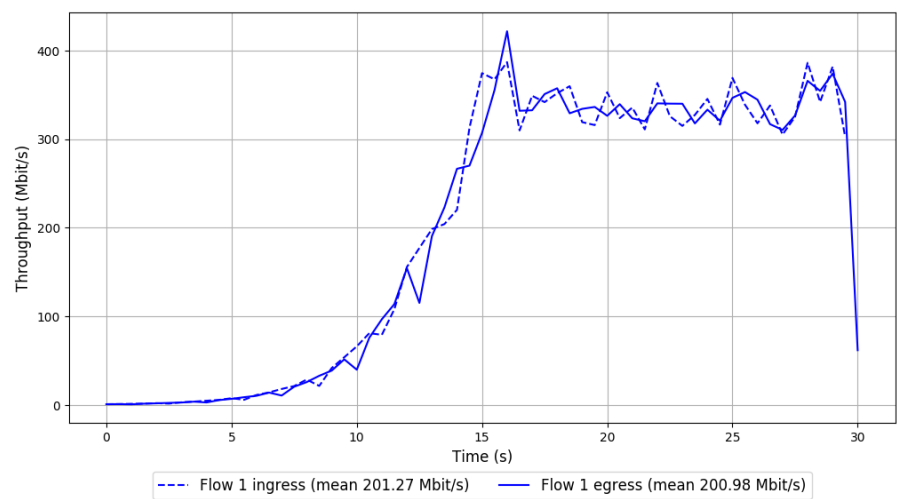
-- Flow 1:

Average throughput: 200.98 Mbit/s

95th percentile per-packet one-way delay: 168.261 ms

Loss rate: 0.07%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 19:12:00 +0000

End at: Sun, 06 Aug 2017 19:12:30 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:43:39 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 192.49 Mbit/s

95th percentile per-packet one-way delay: 170.545 ms

Loss rate: 0.02%

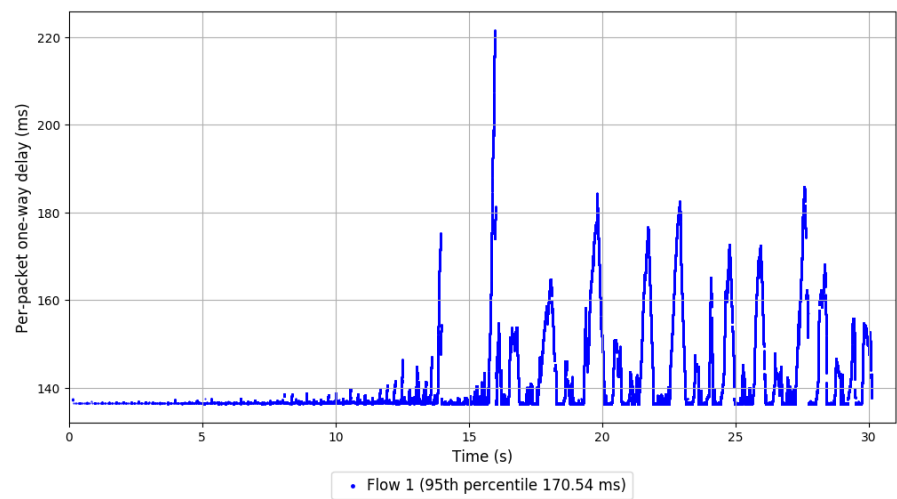
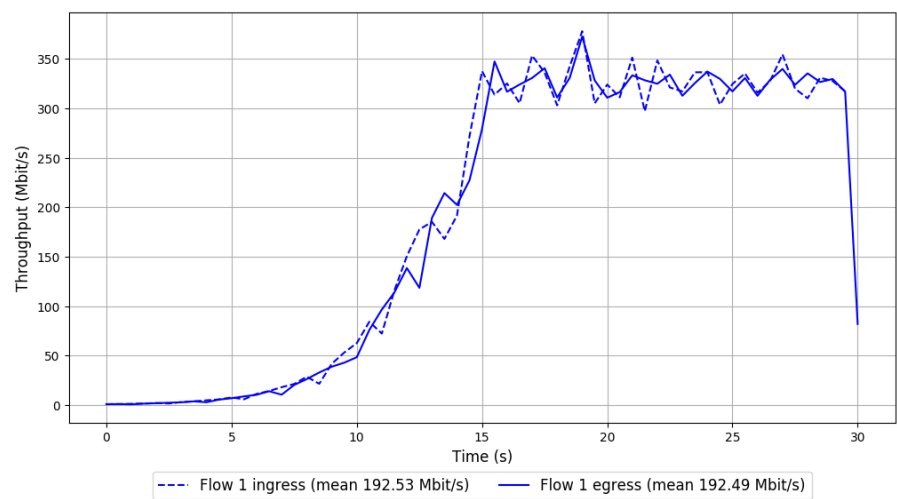
-- Flow 1:

Average throughput: 192.49 Mbit/s

95th percentile per-packet one-way delay: 170.545 ms

Loss rate: 0.02%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

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

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

Below is generated by plot.py at Sun, 06 Aug 2017 21:43:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 137.102 ms

Loss rate: 66.25%

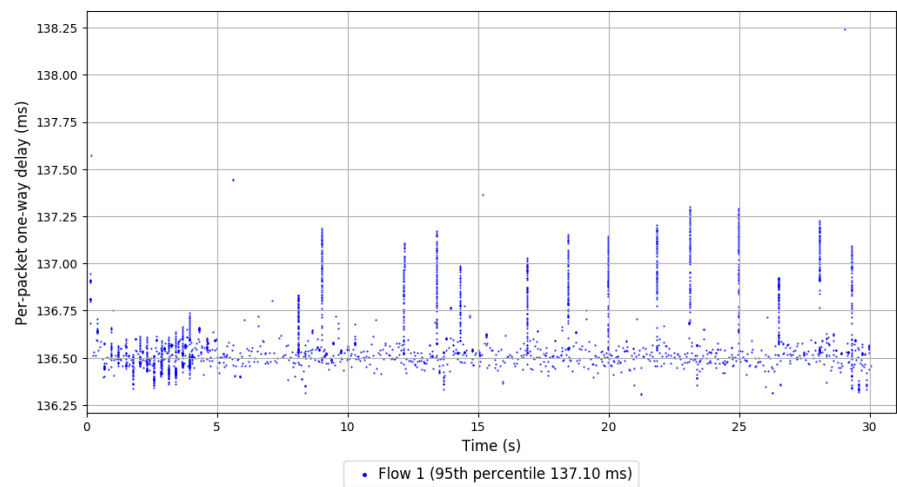
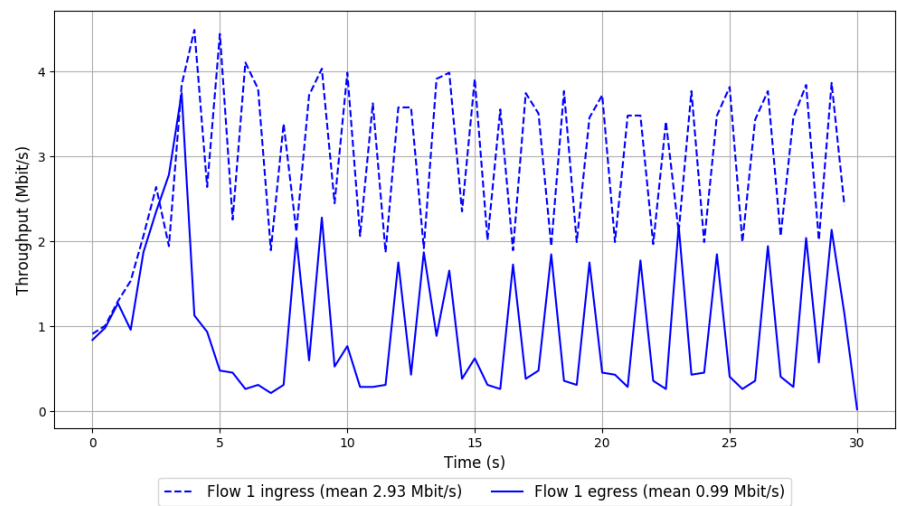
-- Flow 1:

Average throughput: 0.99 Mbit/s

95th percentile per-packet one-way delay: 137.102 ms

Loss rate: 66.25%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 19:35:24 +0000

End at: Sun, 06 Aug 2017 19:35:54 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:43:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.96 Mbit/s

95th percentile per-packet one-way delay: 137.627 ms

Loss rate: 66.51%

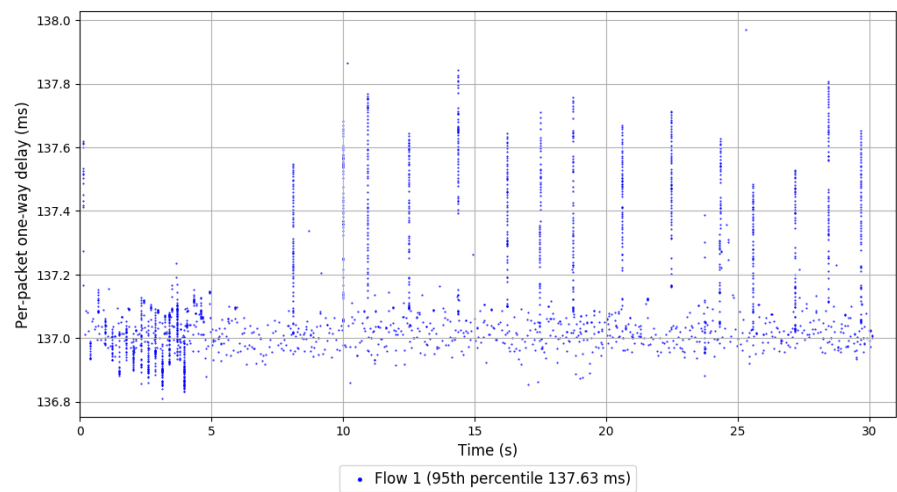
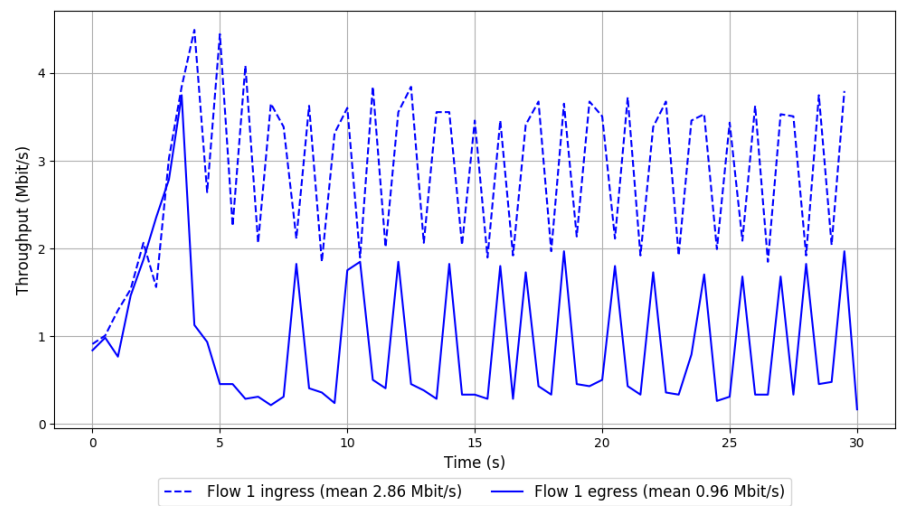
-- Flow 1:

Average throughput: 0.96 Mbit/s

95th percentile per-packet one-way delay: 137.627 ms

Loss rate: 66.51%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 19:46:53 +0000

End at: Sun, 06 Aug 2017 19:47:23 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:44:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 204.07 Mbit/s

95th percentile per-packet one-way delay: 157.073 ms

Loss rate: 0.02%

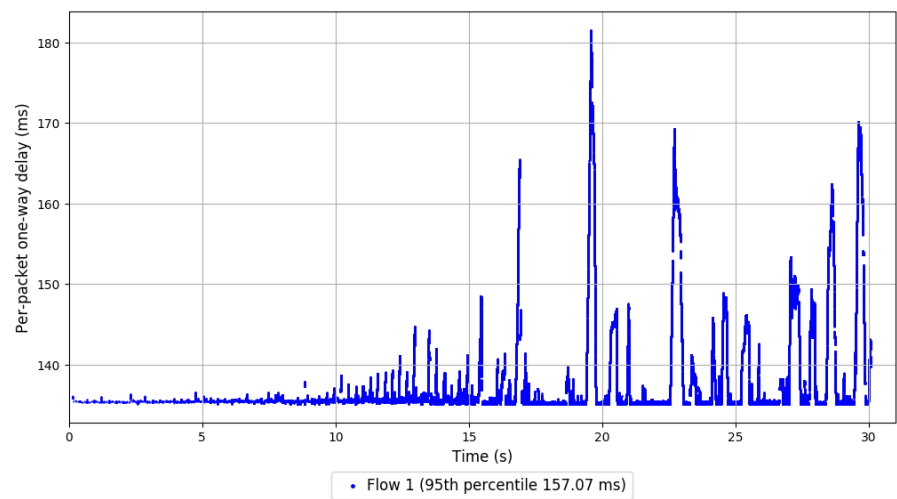
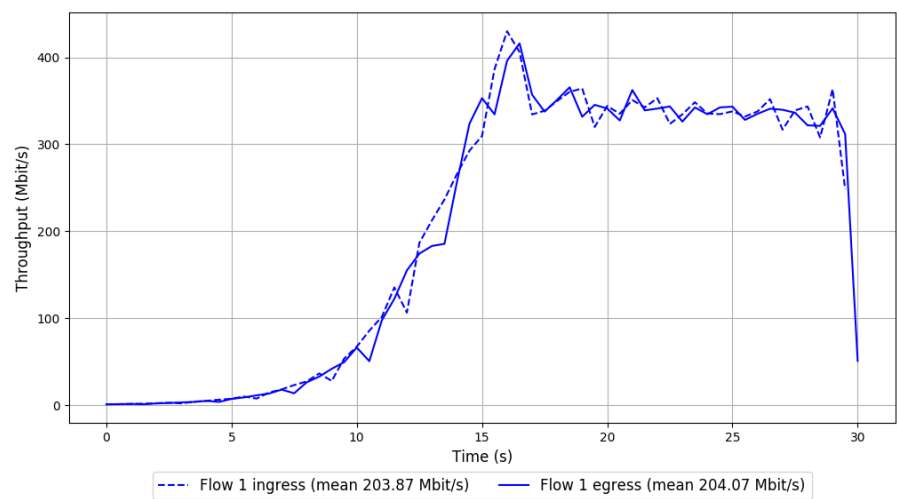
-- Flow 1:

Average throughput: 204.07 Mbit/s

95th percentile per-packet one-way delay: 157.073 ms

Loss rate: 0.02%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 19:58:10 +0000

End at: Sun, 06 Aug 2017 19:58:40 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:44:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 47.97 Mbit/s

95th percentile per-packet one-way delay: 142.205 ms

Loss rate: 48.38%

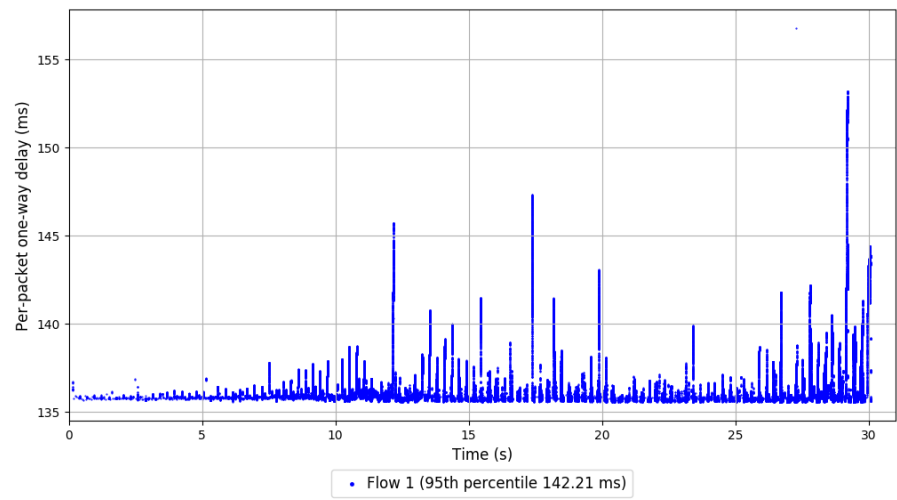
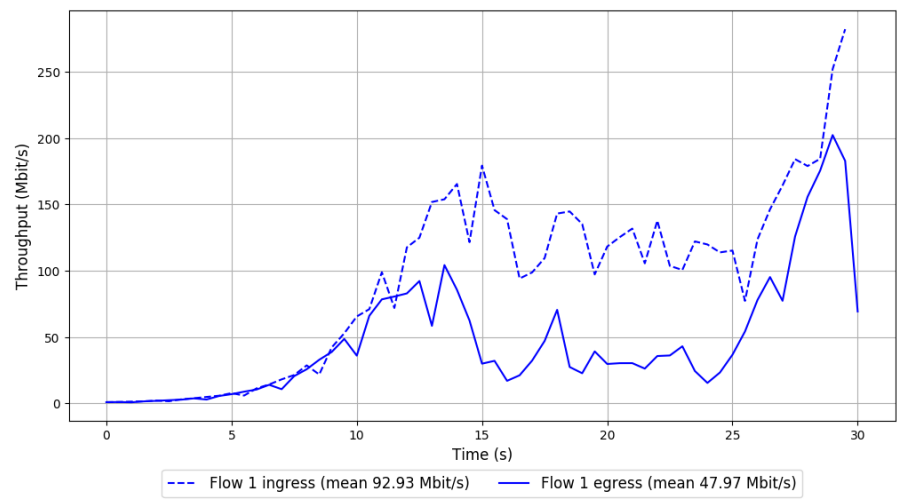
-- Flow 1:

Average throughput: 47.97 Mbit/s

95th percentile per-packet one-way delay: 142.205 ms

Loss rate: 48.38%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 20:09:30 +0000

End at: Sun, 06 Aug 2017 20:10:00 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:44:25 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 167.14 Mbit/s

95th percentile per-packet one-way delay: 163.250 ms

Loss rate: 8.24%

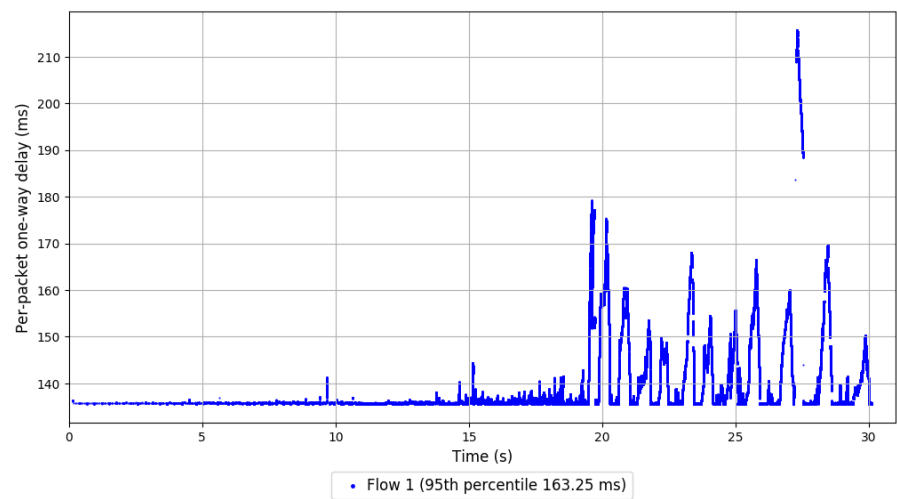
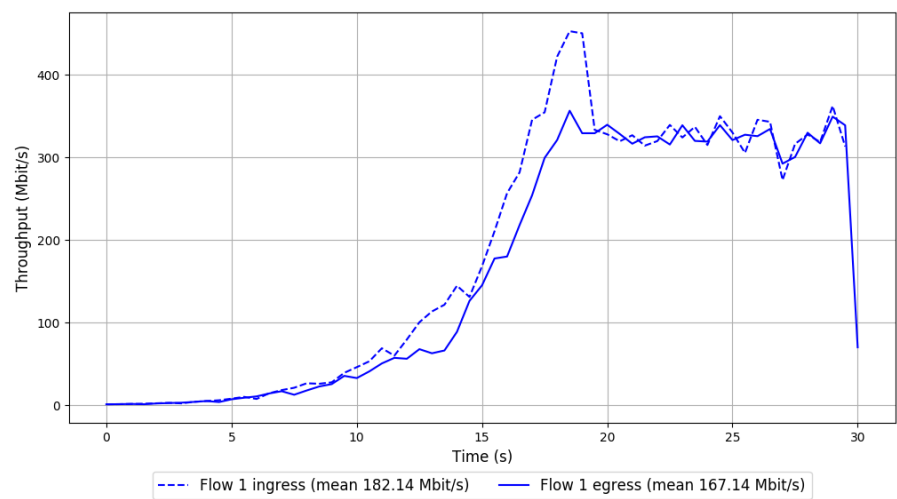
-- Flow 1:

Average throughput: 167.14 Mbit/s

95th percentile per-packet one-way delay: 163.250 ms

Loss rate: 8.24%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

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

End at: Sun, 06 Aug 2017 20:21:29 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:44:25 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.94 Mbit/s

95th percentile per-packet one-way delay: 138.396 ms

Loss rate: 66.75%

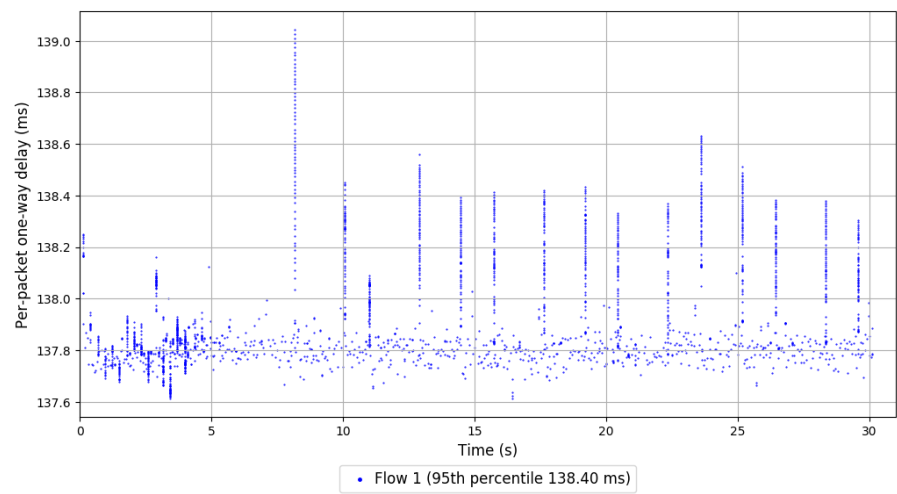
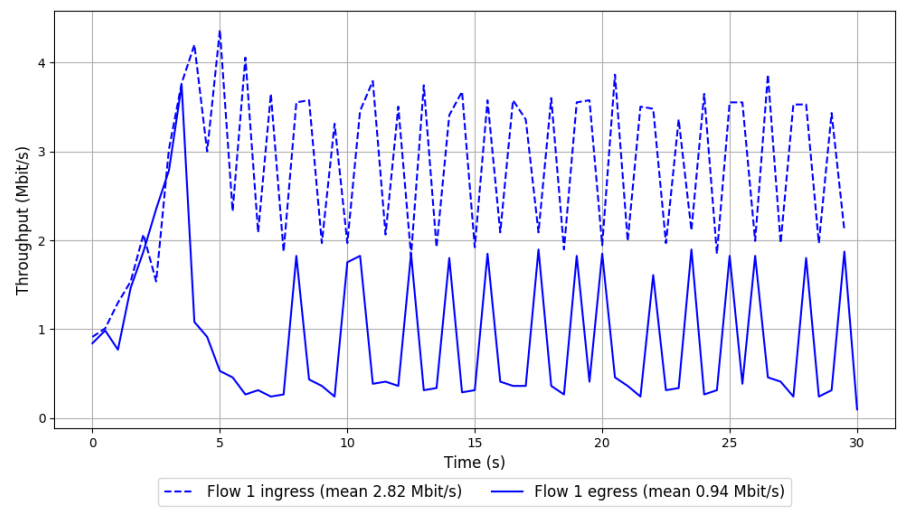
-- Flow 1:

Average throughput: 0.94 Mbit/s

95th percentile per-packet one-way delay: 138.396 ms

Loss rate: 66.75%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 20:32:01 +0000

End at: Sun, 06 Aug 2017 20:32:31 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:45:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 190.15 Mbit/s

95th percentile per-packet one-way delay: 168.272 ms

Loss rate: 0.34%

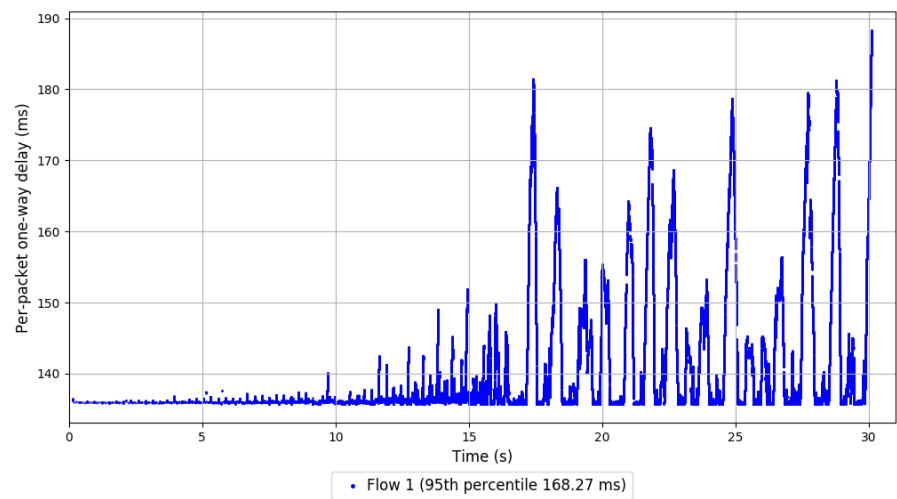
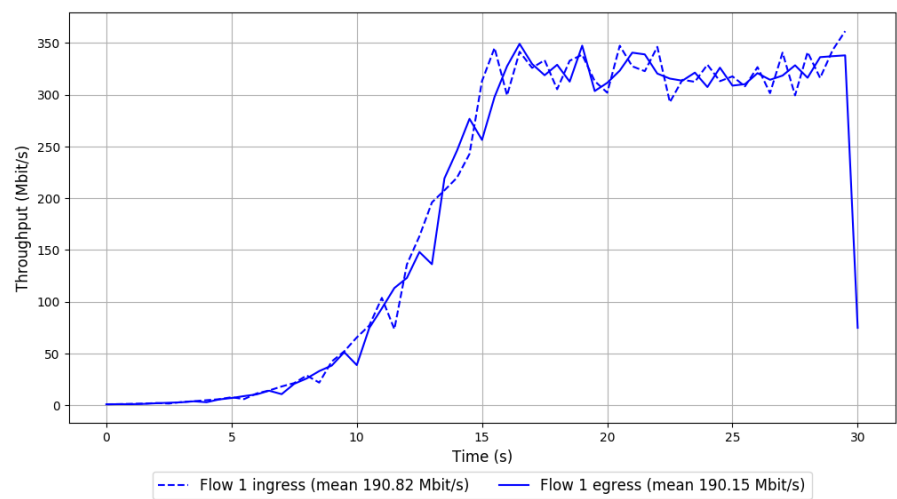
-- Flow 1:

Average throughput: 190.15 Mbit/s

95th percentile per-packet one-way delay: 168.272 ms

Loss rate: 0.34%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 20:43:26 +0000

End at: Sun, 06 Aug 2017 20:43:56 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:45:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.93 Mbit/s

95th percentile per-packet one-way delay: 138.494 ms

Loss rate: 67.04%

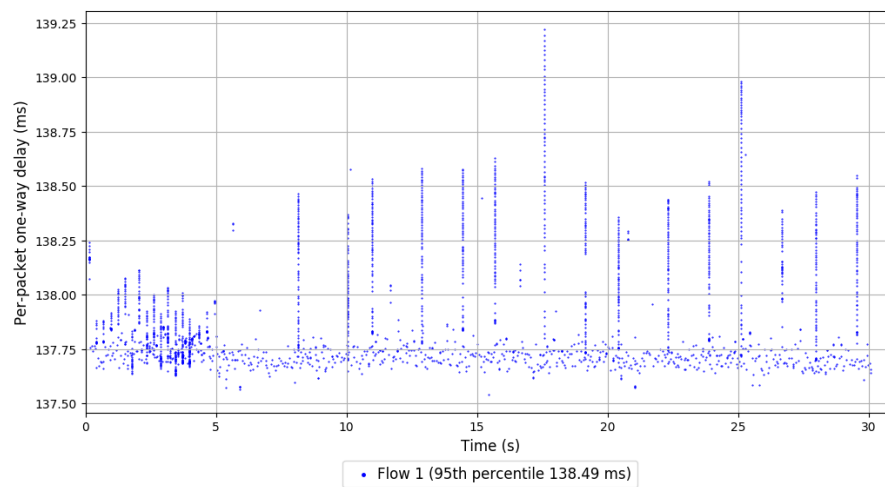
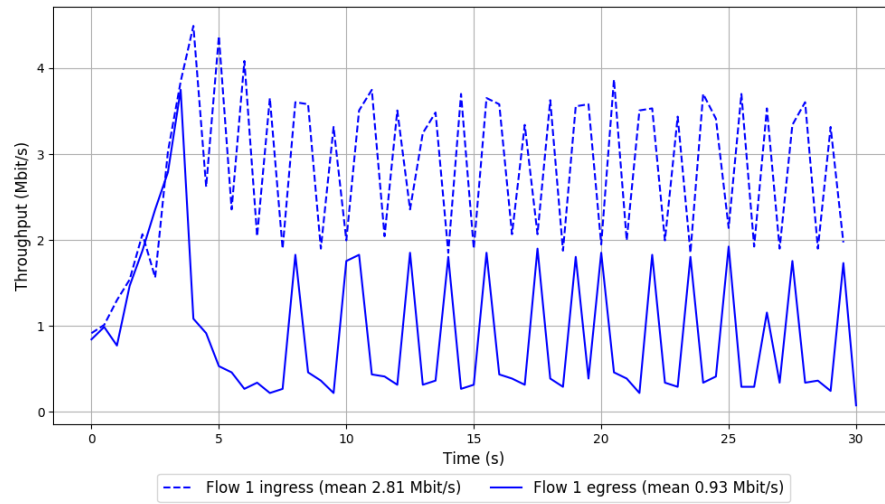
-- Flow 1:

Average throughput: 0.93 Mbit/s

95th percentile per-packet one-way delay: 138.494 ms

Loss rate: 67.04%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Sun, 06 Aug 2017 18:53:24 +0000

End at: Sun, 06 Aug 2017 18:53:54 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:45:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 106.58 Mbit/s

95th percentile per-packet one-way delay: 136.360 ms

Loss rate: 0.00%

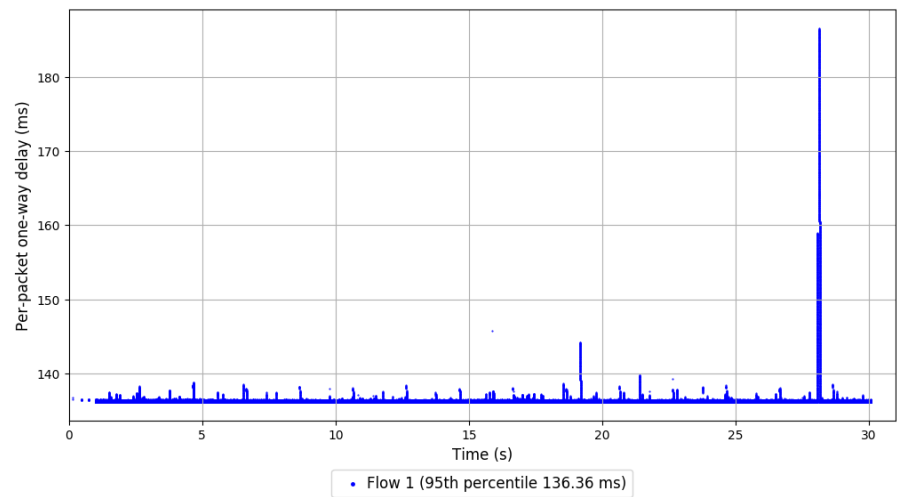
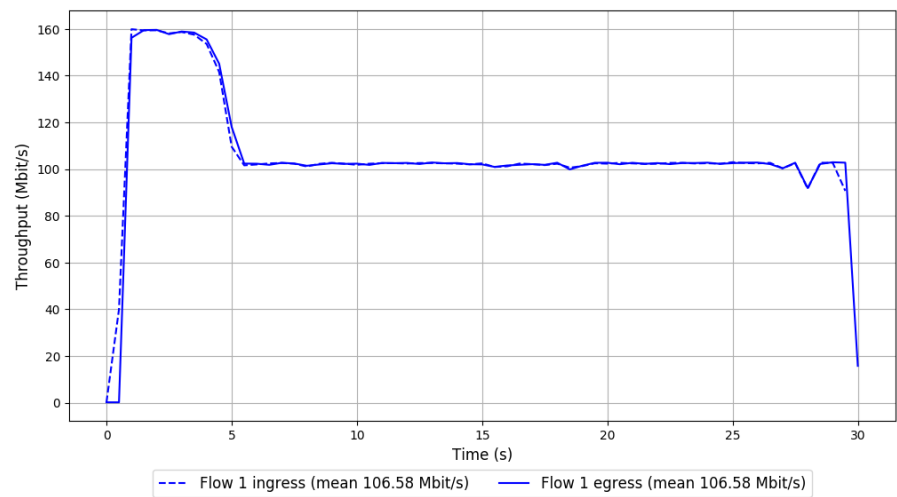
-- Flow 1:

Average throughput: 106.58 Mbit/s

95th percentile per-packet one-way delay: 136.360 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Sun, 06 Aug 2017 19:05:20 +0000

End at: Sun, 06 Aug 2017 19:05:50 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:45:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.07 Mbit/s

95th percentile per-packet one-way delay: 136.995 ms

Loss rate: 0.11%

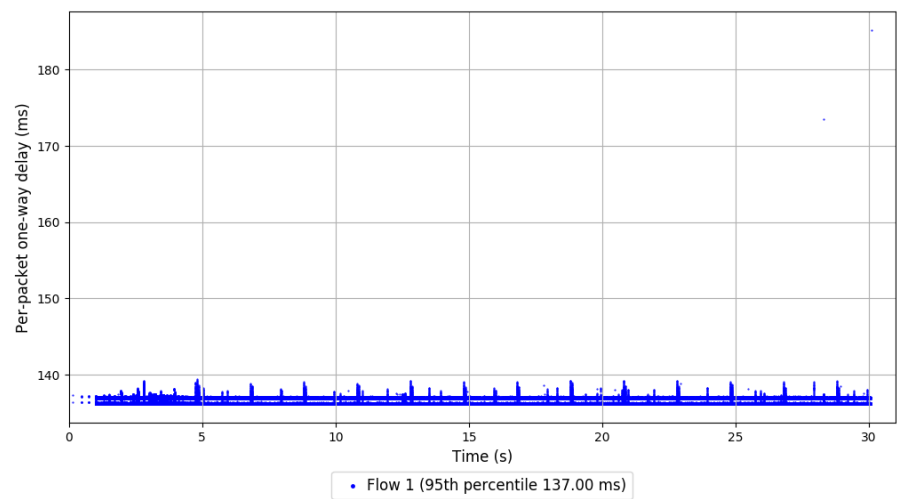
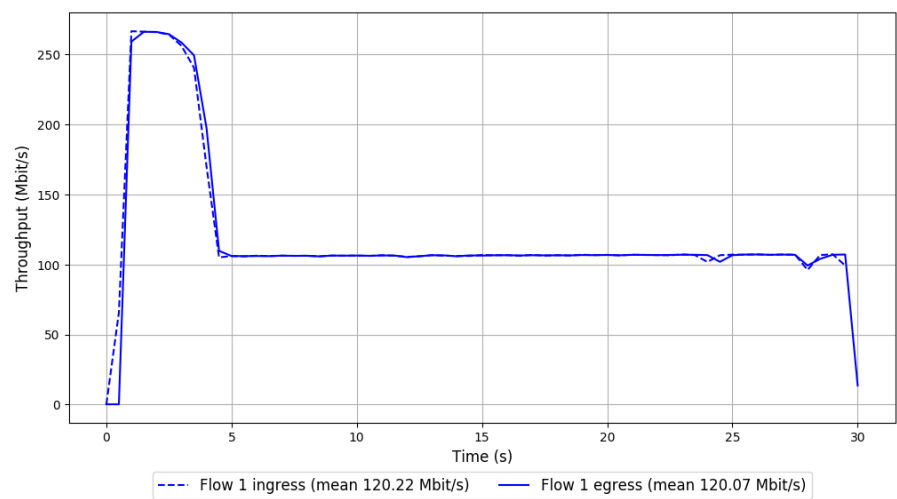
-- Flow 1:

Average throughput: 120.07 Mbit/s

95th percentile per-packet one-way delay: 136.995 ms

Loss rate: 0.11%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Sun, 06 Aug 2017 19:16:57 +0000

End at: Sun, 06 Aug 2017 19:17:27 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:45:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.56 Mbit/s

95th percentile per-packet one-way delay: 136.790 ms

Loss rate: 0.00%

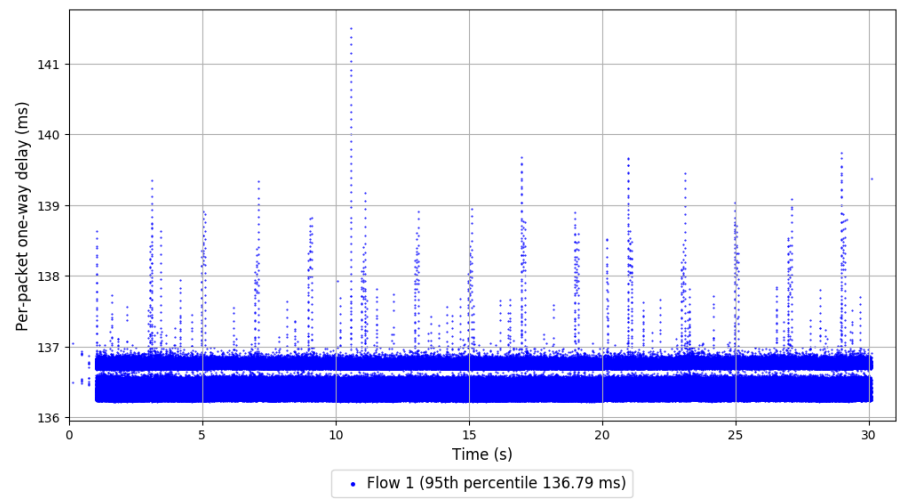
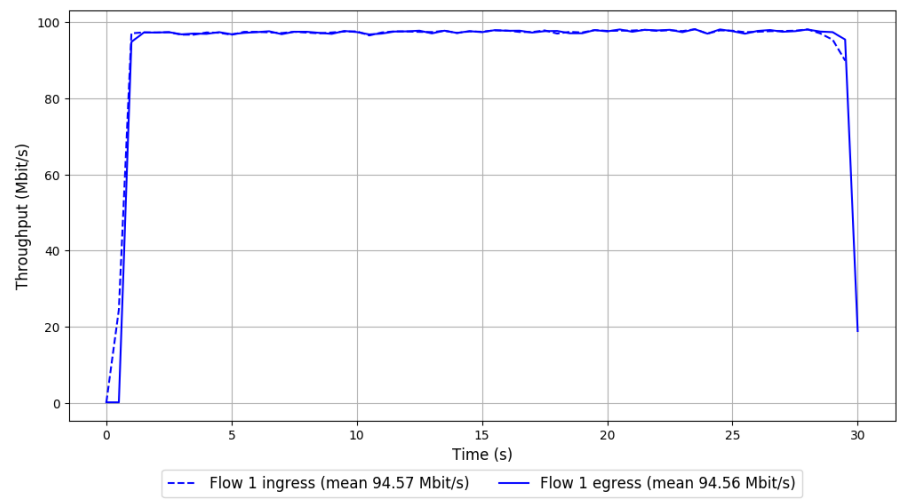
-- Flow 1:

Average throughput: 94.56 Mbit/s

95th percentile per-packet one-way delay: 136.790 ms

Loss rate: 0.00%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Sun, 06 Aug 2017 19:28:20 +0000

End at: Sun, 06 Aug 2017 19:28:50 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:46:28 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 131.40 Mbit/s

95th percentile per-packet one-way delay: 136.860 ms

Loss rate: 0.00%

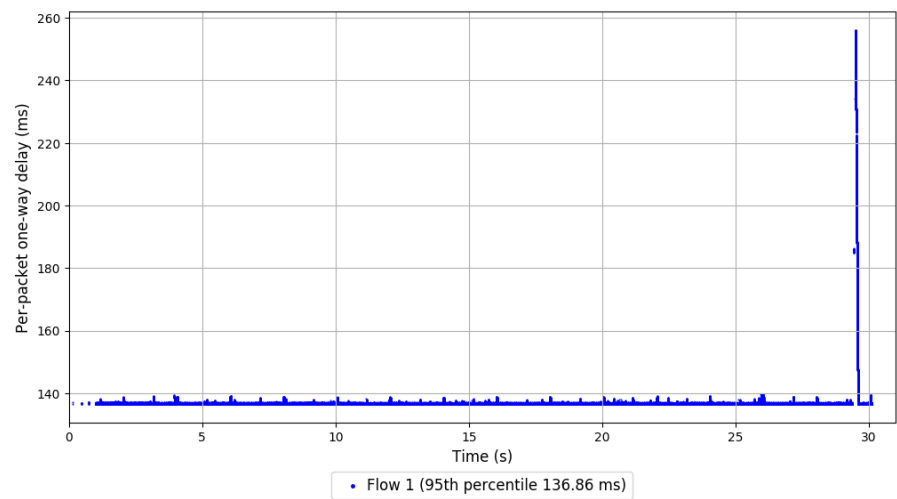
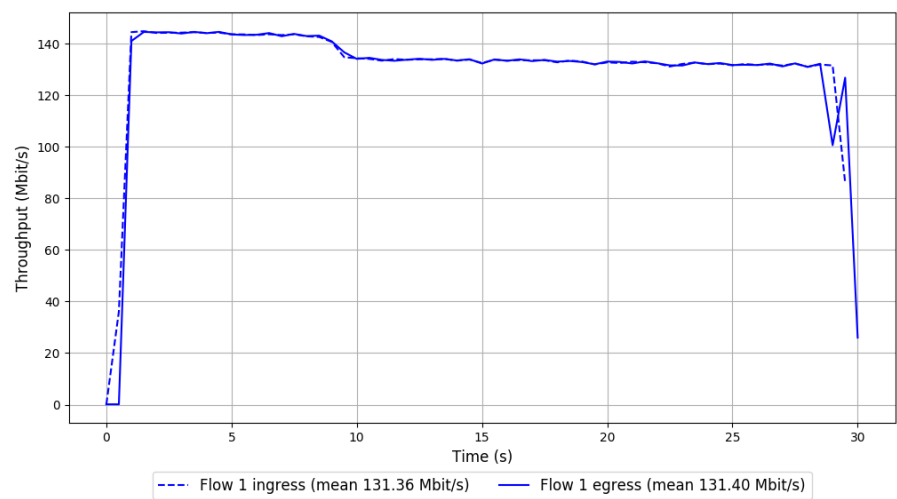
-- Flow 1:

Average throughput: 131.40 Mbit/s

95th percentile per-packet one-way delay: 136.860 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

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

End at: Sun, 06 Aug 2017 19:40:20 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:46:31 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 124.66 Mbit/s

95th percentile per-packet one-way delay: 175.544 ms

Loss rate: 0.00%

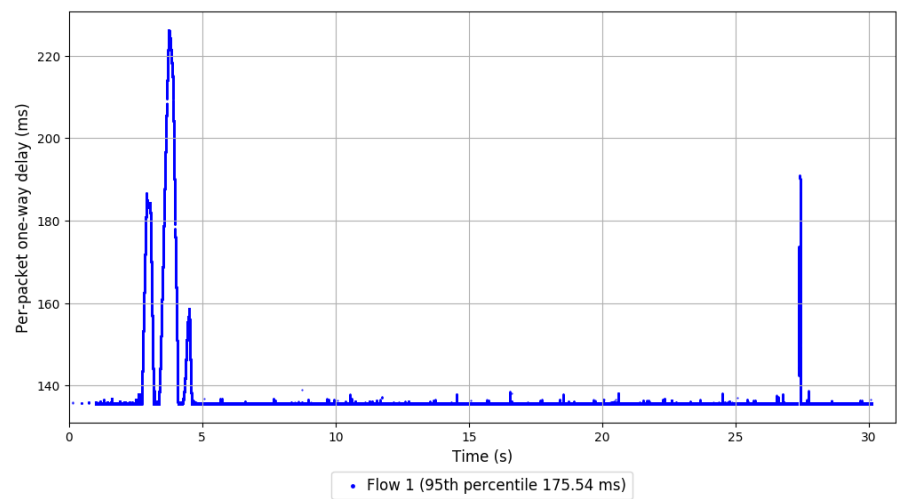
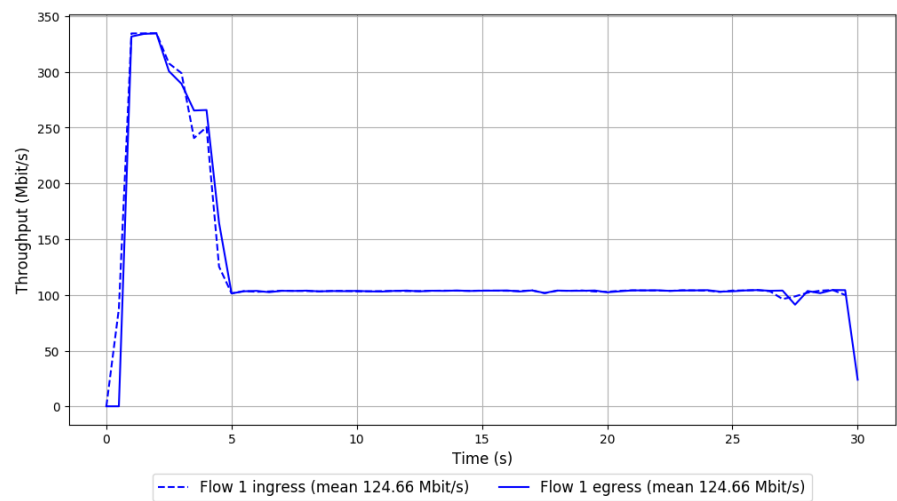
-- Flow 1:

Average throughput: 124.66 Mbit/s

95th percentile per-packet one-way delay: 175.544 ms

Loss rate: 0.00%

Run 5: Report of Copa — Data Link

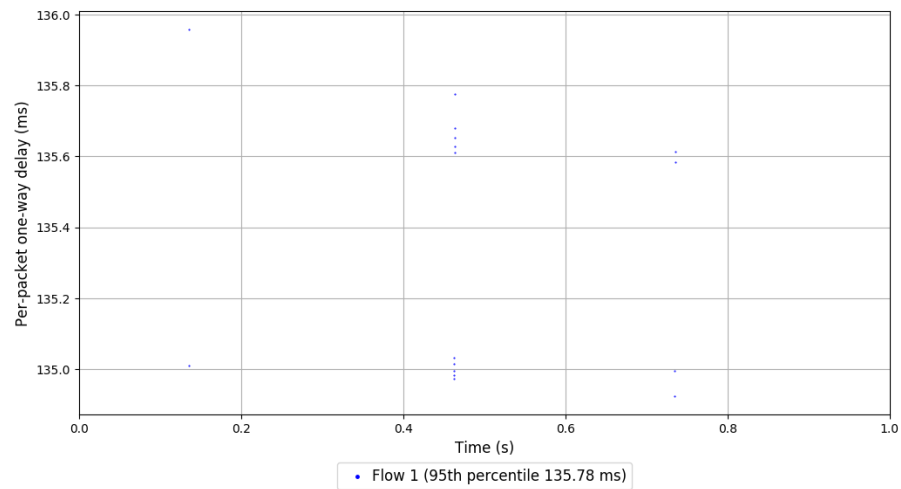
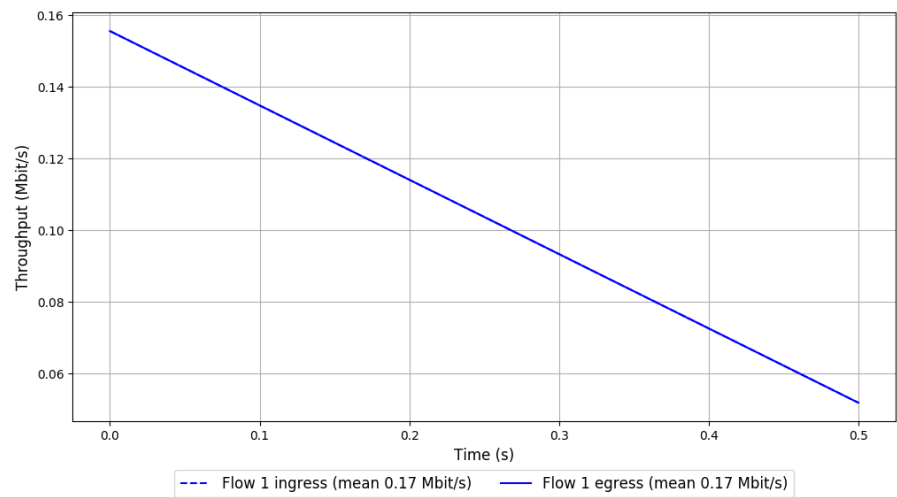


Run 6: Statistics of Copa

Start at: Sun, 06 Aug 2017 19:51:47 +0000

End at: Sun, 06 Aug 2017 19:52:17 +0000

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Sun, 06 Aug 2017 20:02:51 +0000

End at: Sun, 06 Aug 2017 20:03:21 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:12 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 113.98 Mbit/s

95th percentile per-packet one-way delay: 141.609 ms

Loss rate: 0.02%

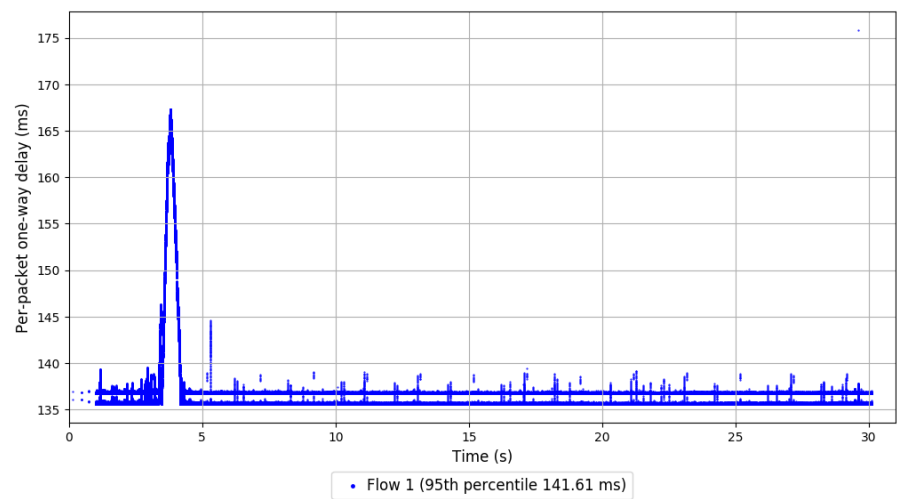
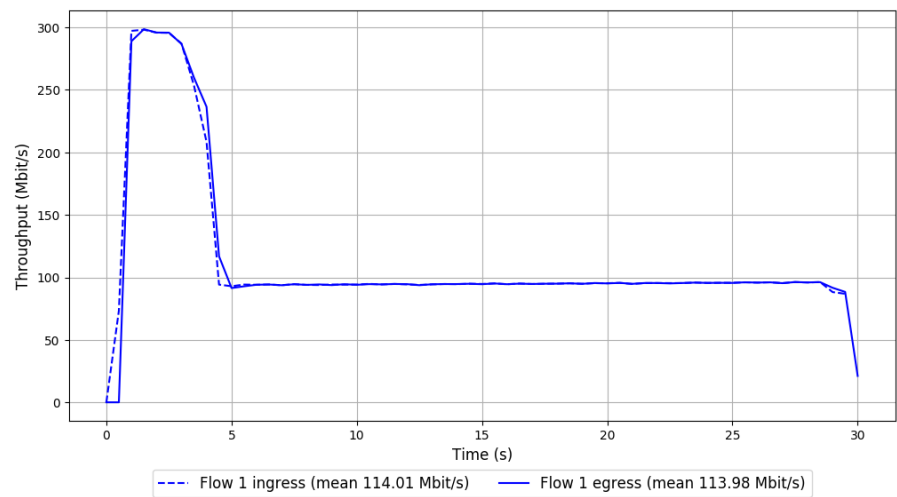
-- Flow 1:

Average throughput: 113.98 Mbit/s

95th percentile per-packet one-way delay: 141.609 ms

Loss rate: 0.02%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Sun, 06 Aug 2017 20:14:25 +0000

End at: Sun, 06 Aug 2017 20:14:55 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:12 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.75 Mbit/s

95th percentile per-packet one-way delay: 136.198 ms

Loss rate: 0.25%

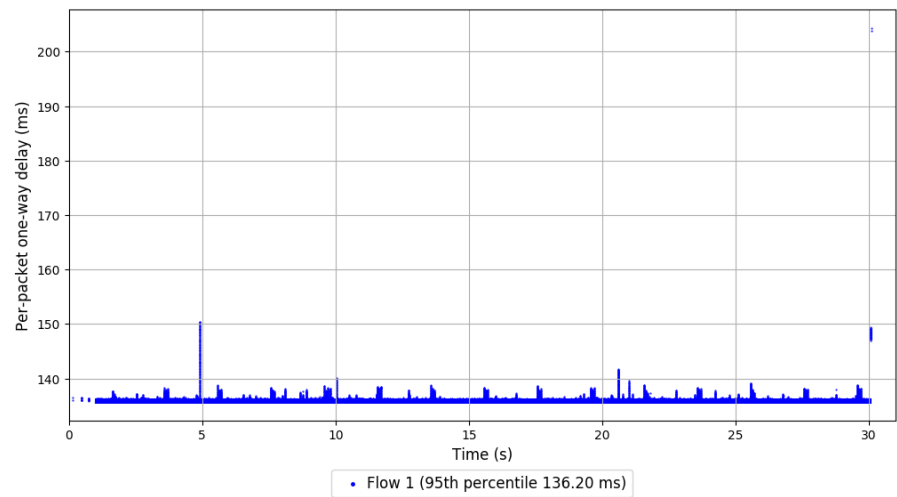
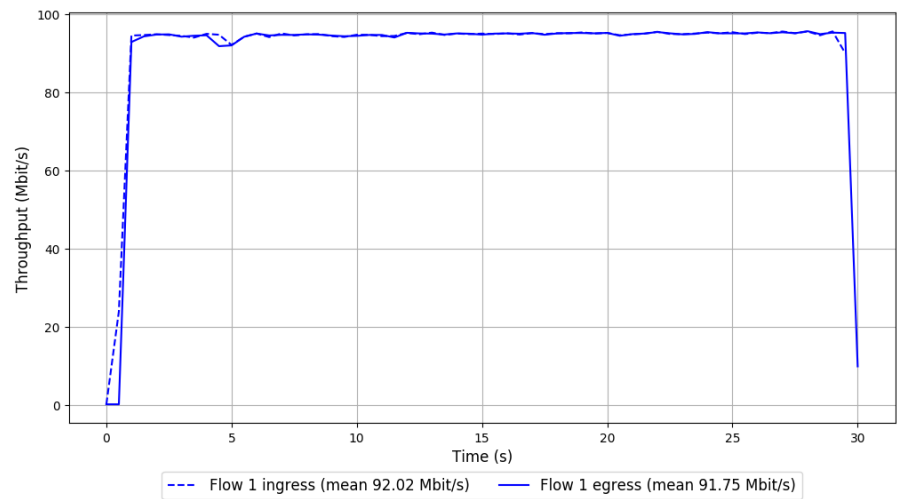
-- Flow 1:

Average throughput: 91.75 Mbit/s

95th percentile per-packet one-way delay: 136.198 ms

Loss rate: 0.25%

Run 8: Report of Copa — Data Link

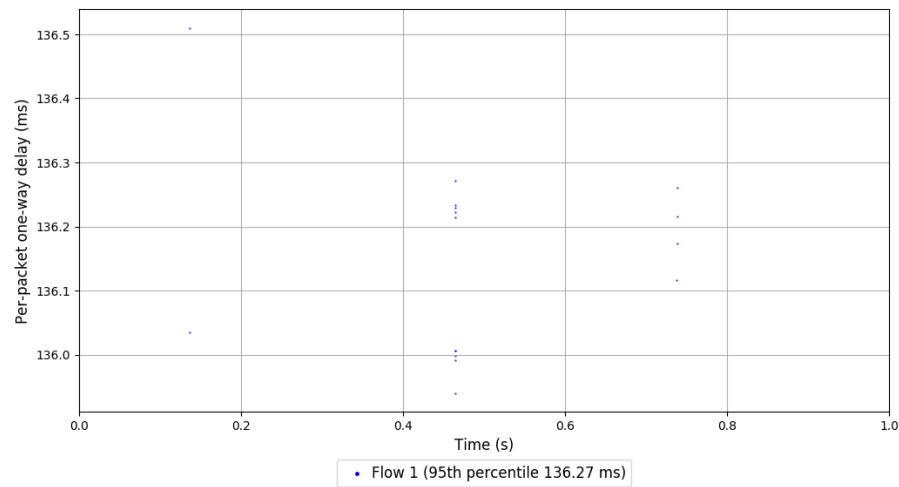
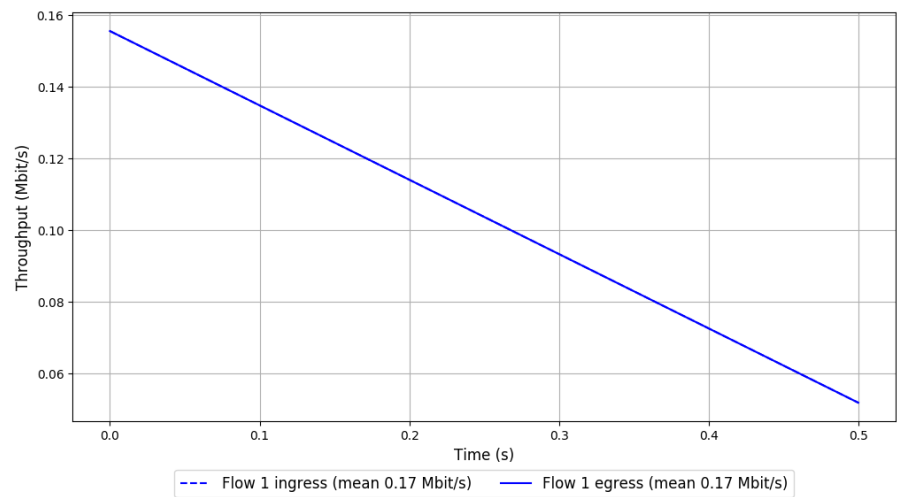


Run 9: Statistics of Copa

Start at: Sun, 06 Aug 2017 20:25:38 +0000

End at: Sun, 06 Aug 2017 20:26:08 +0000

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Sun, 06 Aug 2017 20:36:54 +0000

End at: Sun, 06 Aug 2017 20:37:24 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.97 Mbit/s

95th percentile per-packet one-way delay: 137.604 ms

Loss rate: 0.00%

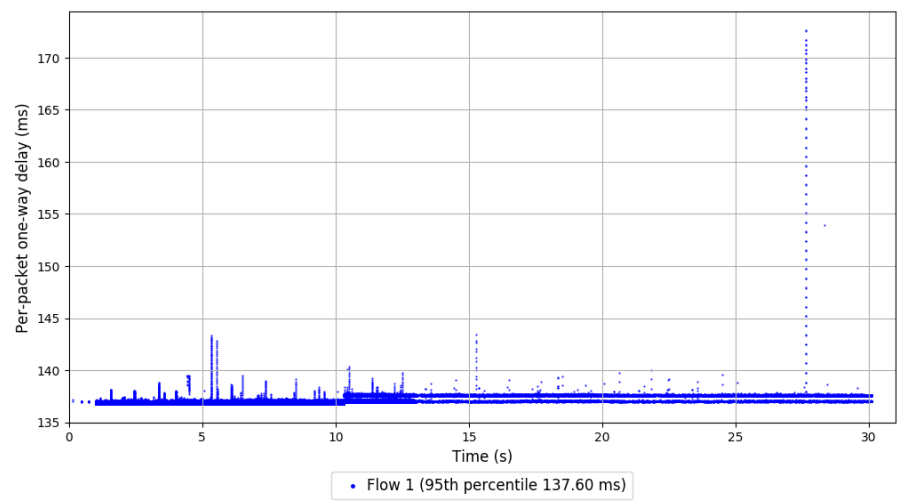
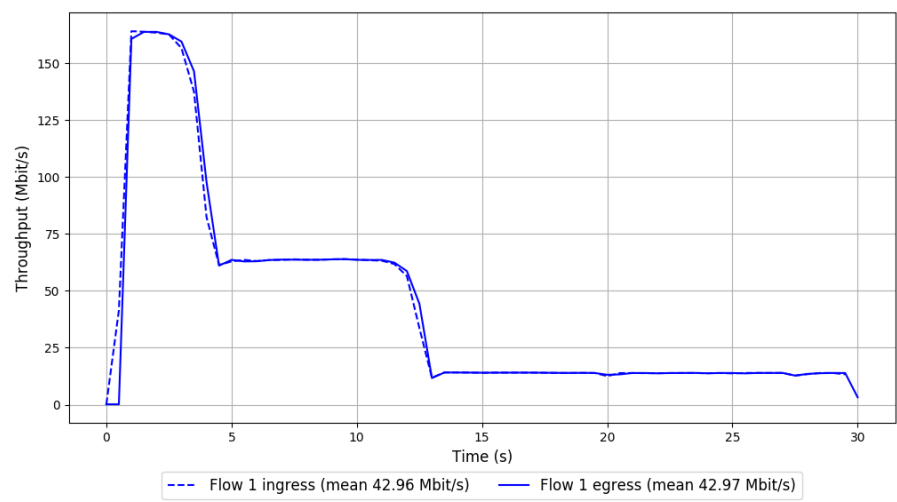
-- Flow 1:

Average throughput: 42.97 Mbit/s

95th percentile per-packet one-way delay: 137.604 ms

Loss rate: 0.00%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 19:01:23 +0000

End at: Sun, 06 Aug 2017 19:01:53 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 20.07 Mbit/s

95th percentile per-packet one-way delay: 137.785 ms

Loss rate: 0.11%

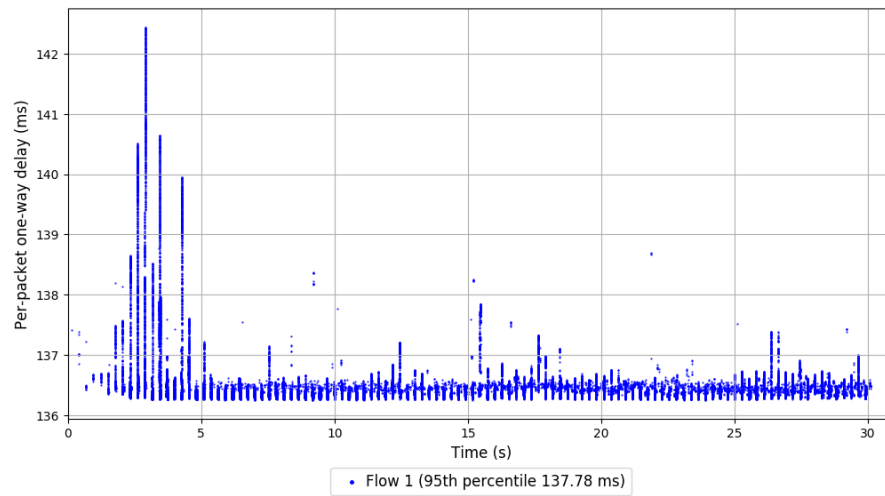
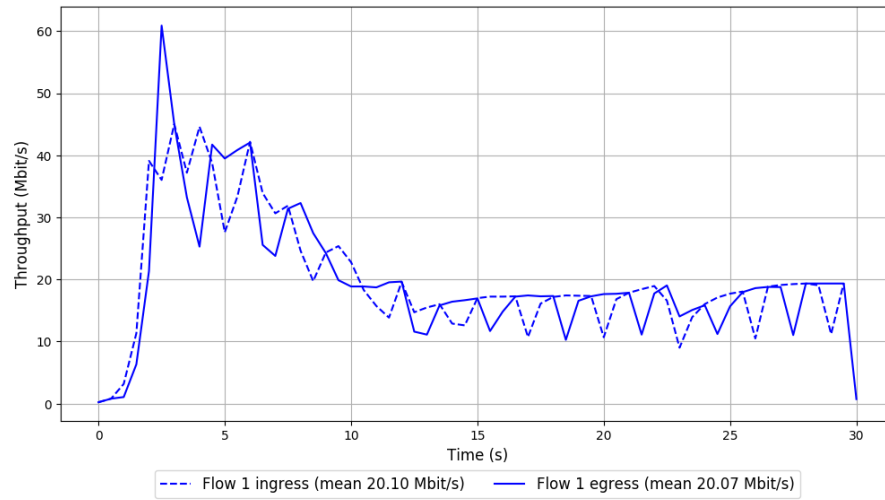
-- Flow 1:

Average throughput: 20.07 Mbit/s

95th percentile per-packet one-way delay: 137.785 ms

Loss rate: 0.11%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 19:12:58 +0000

End at: Sun, 06 Aug 2017 19:13:28 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 137.206 ms

Loss rate: 0.53%

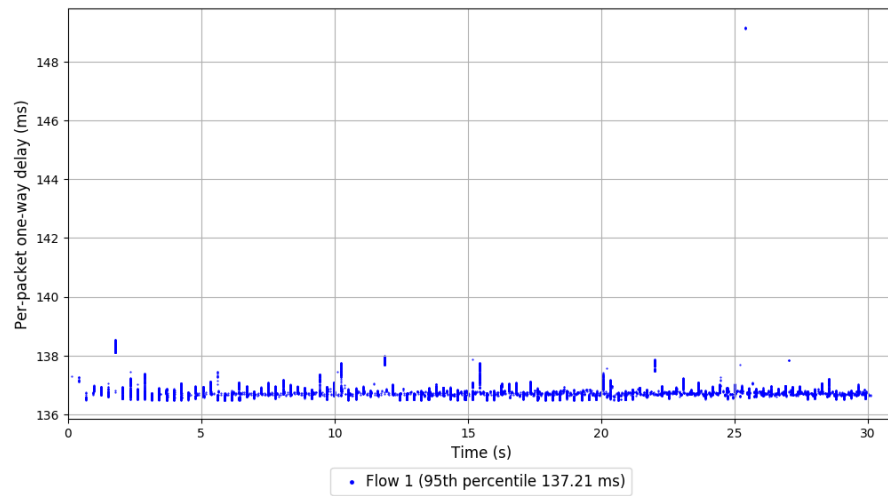
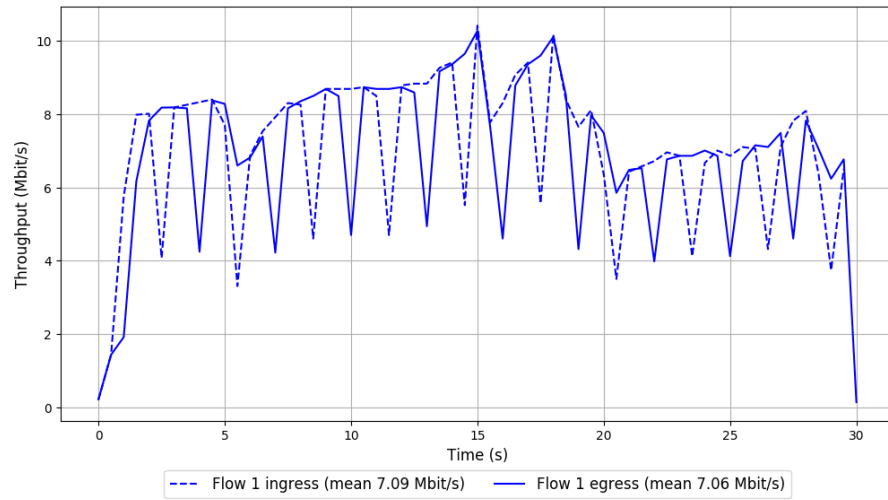
-- Flow 1:

Average throughput: 7.06 Mbit/s

95th percentile per-packet one-way delay: 137.206 ms

Loss rate: 0.53%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 19:24:32 +0000

End at: Sun, 06 Aug 2017 19:25:02 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.60 Mbit/s

95th percentile per-packet one-way delay: 136.613 ms

Loss rate: 2.30%

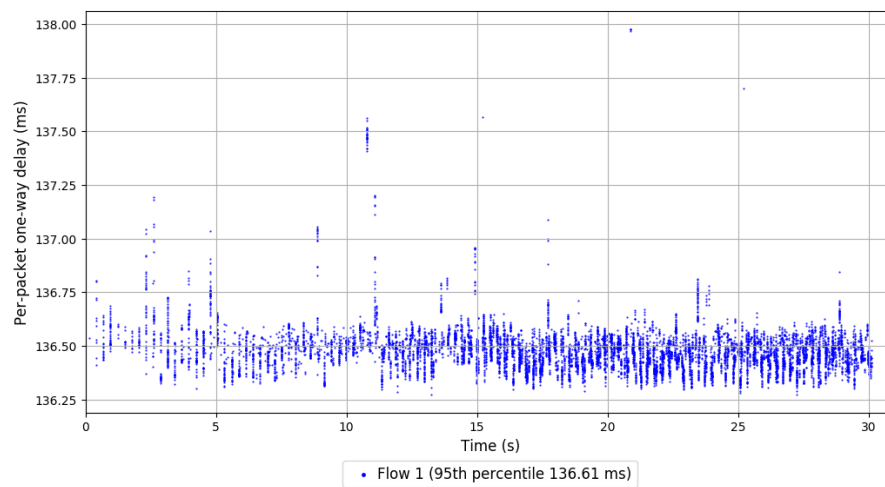
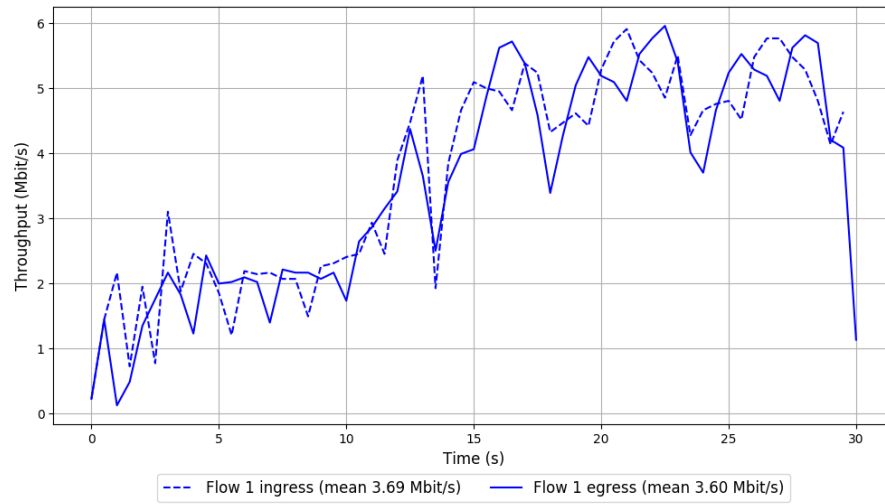
-- Flow 1:

Average throughput: 3.60 Mbit/s

95th percentile per-packet one-way delay: 136.613 ms

Loss rate: 2.30%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

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

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

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.39 Mbit/s

95th percentile per-packet one-way delay: 136.054 ms

Loss rate: 0.45%

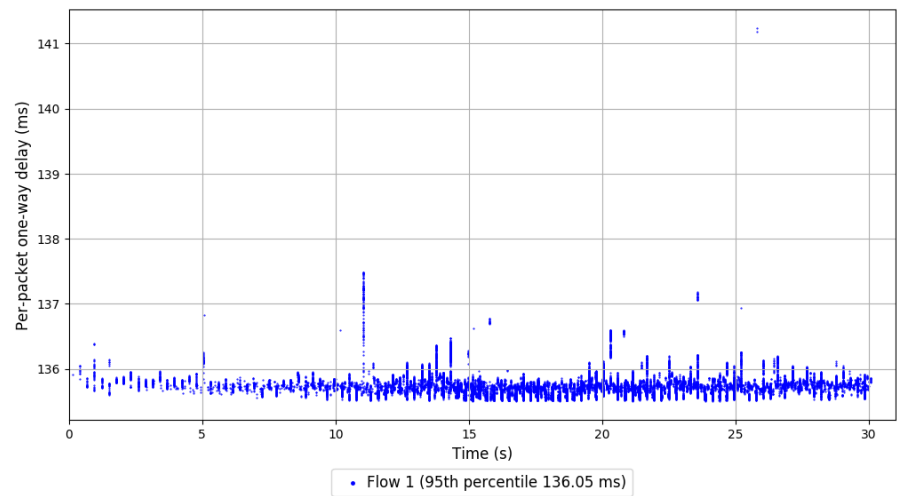
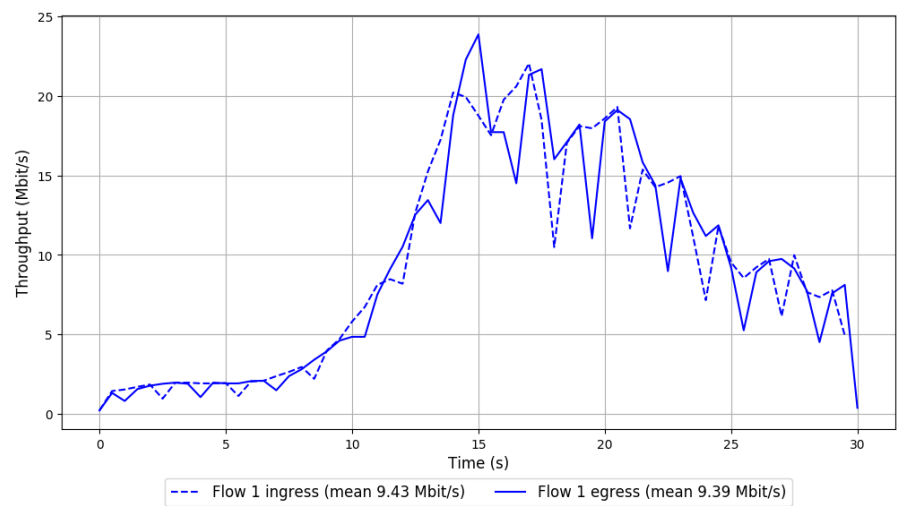
-- Flow 1:

Average throughput: 9.39 Mbit/s

95th percentile per-packet one-way delay: 136.054 ms

Loss rate: 0.45%

Run 4: Report of TCP Cubic — Data Link

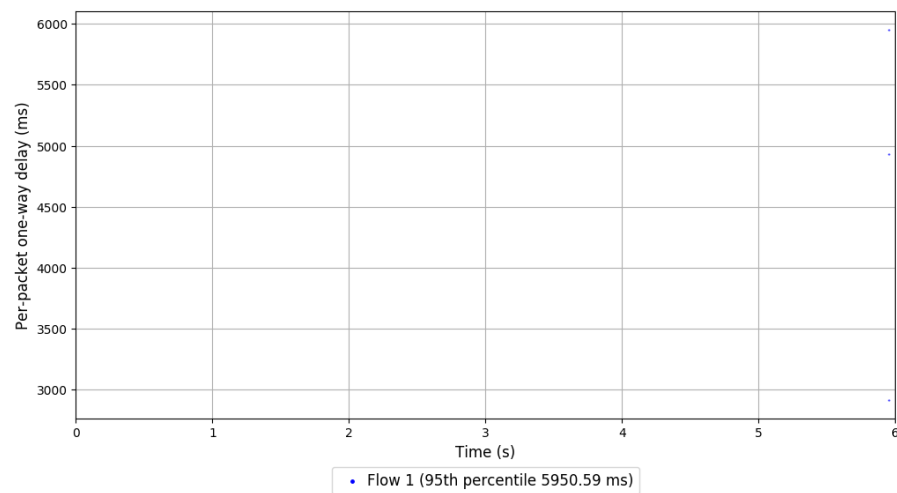
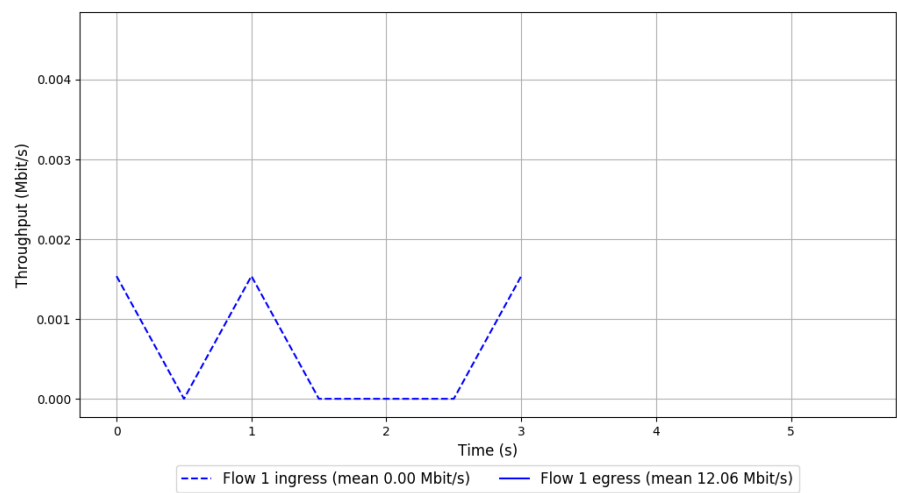


Run 5: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 19:47:52 +0000

End at: Sun, 06 Aug 2017 19:48:22 +0000

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

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

End at: Sun, 06 Aug 2017 19:59:28 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:28 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.67 Mbit/s

95th percentile per-packet one-way delay: 136.433 ms

Loss rate: 1.79%

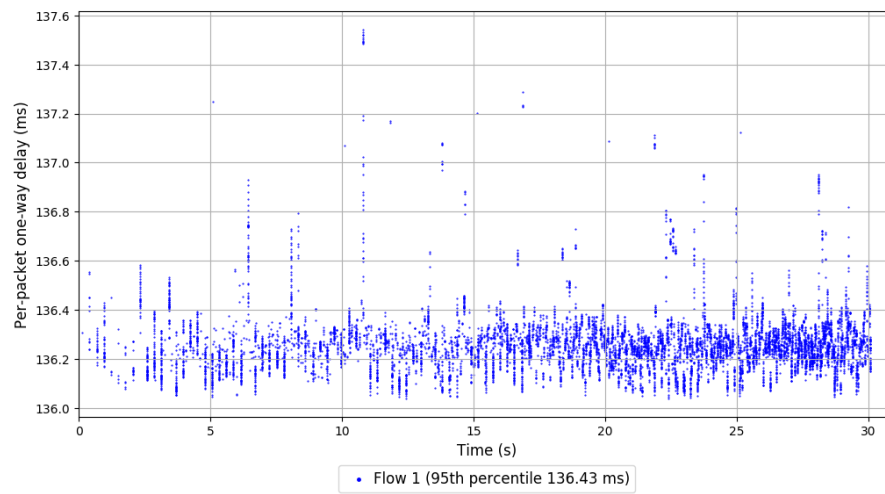
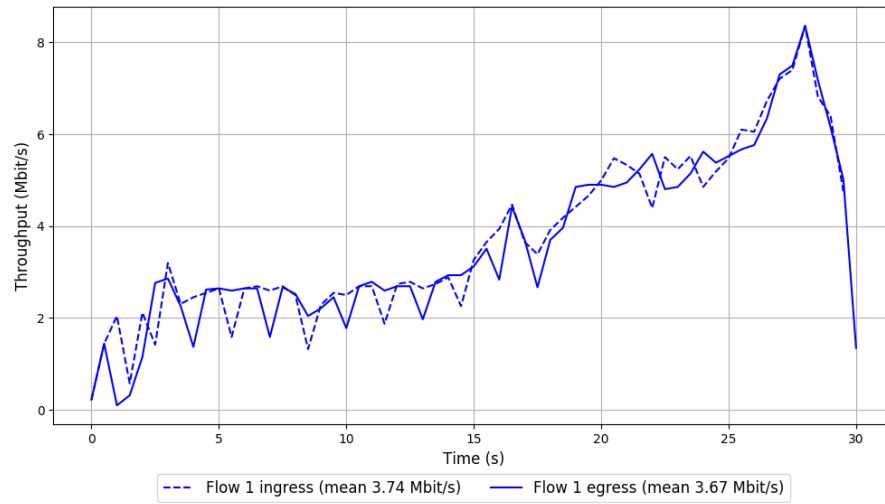
-- Flow 1:

Average throughput: 3.67 Mbit/s

95th percentile per-packet one-way delay: 136.433 ms

Loss rate: 1.79%

Run 6: Report of TCP Cubic — Data Link

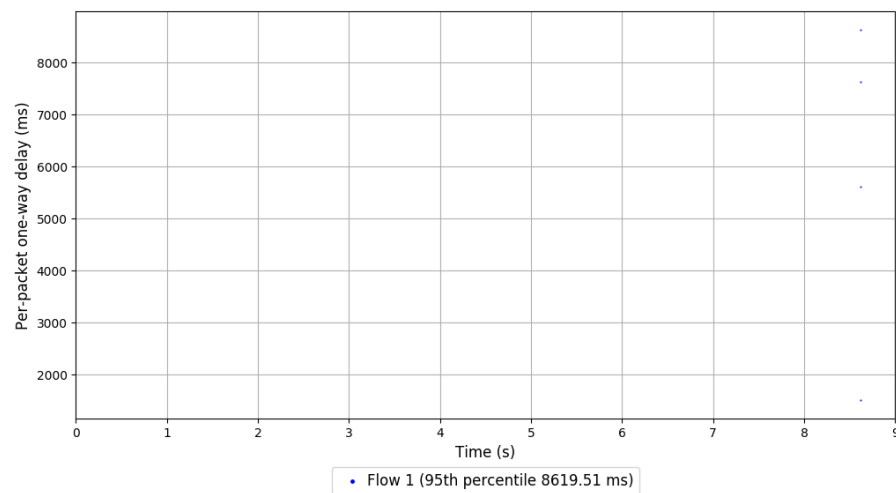
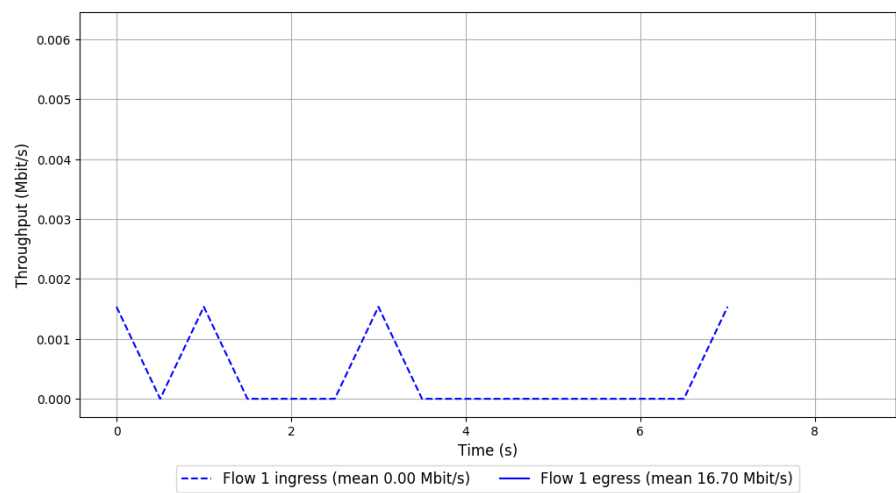


Run 7: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 20:10:26 +0000

End at: Sun, 06 Aug 2017 20:10:56 +0000

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 20:21:42 +0000

End at: Sun, 06 Aug 2017 20:22:12 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:33 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.53 Mbit/s

95th percentile per-packet one-way delay: 137.612 ms

Loss rate: 0.82%

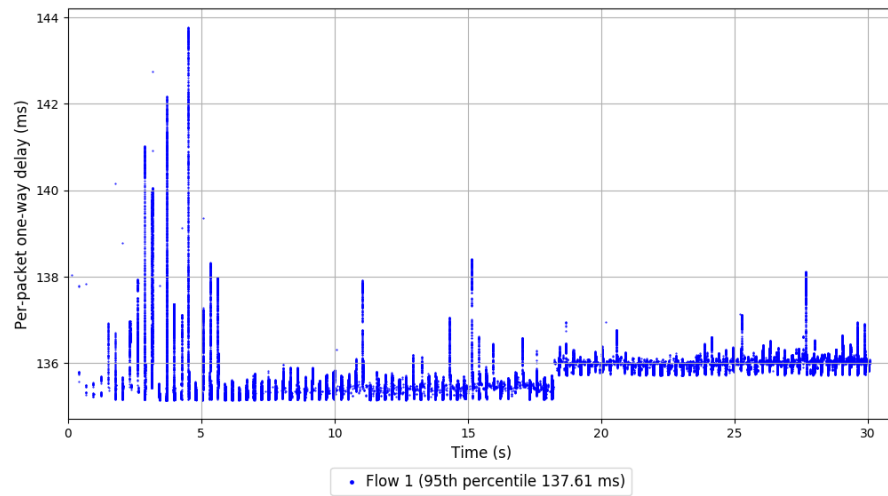
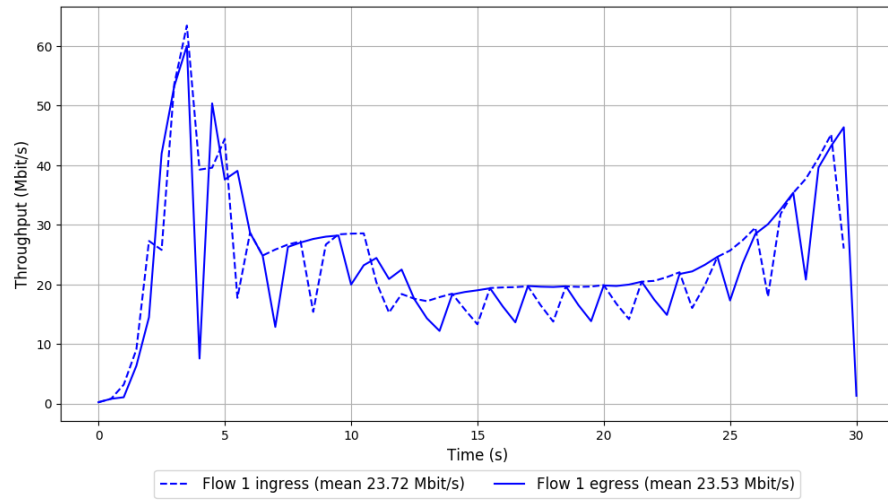
-- Flow 1:

Average throughput: 23.53 Mbit/s

95th percentile per-packet one-way delay: 137.612 ms

Loss rate: 0.82%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 20:32:58 +0000

End at: Sun, 06 Aug 2017 20:33:28 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:33 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.15 Mbit/s

95th percentile per-packet one-way delay: 136.565 ms

Loss rate: 0.63%

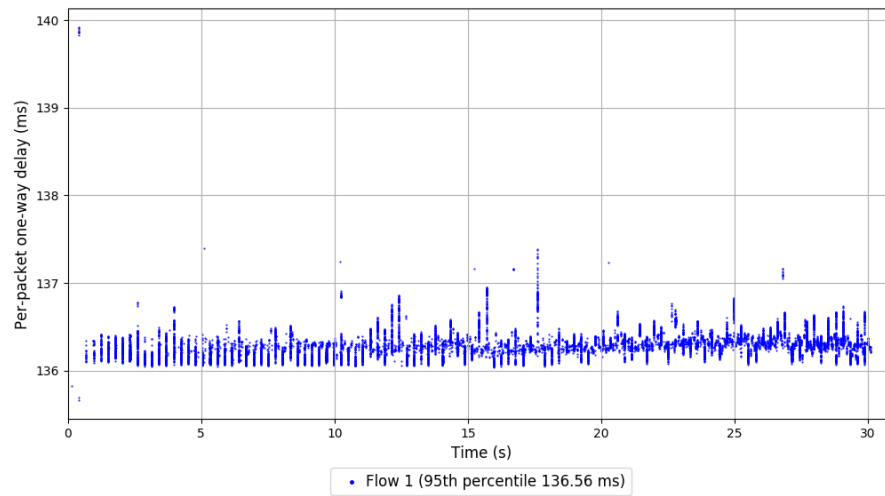
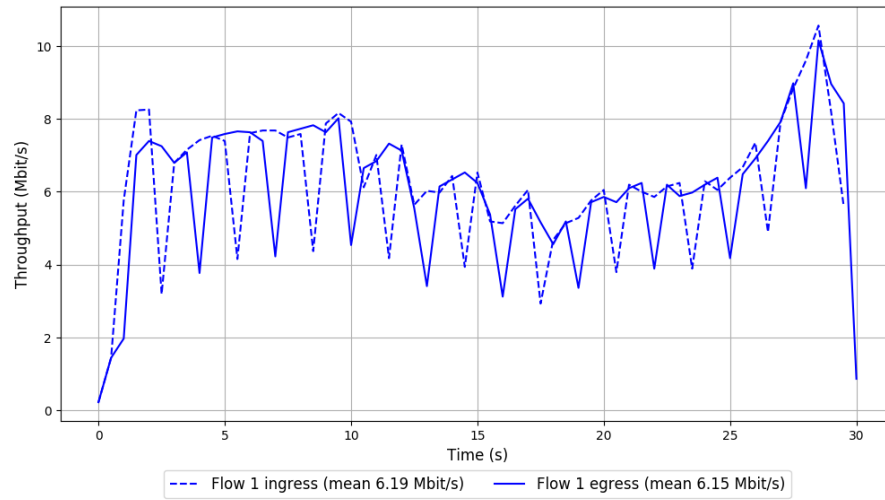
-- Flow 1:

Average throughput: 6.15 Mbit/s

95th percentile per-packet one-way delay: 136.565 ms

Loss rate: 0.63%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 20:44:08 +0000

End at: Sun, 06 Aug 2017 20:44:38 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:33 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.96 Mbit/s

95th percentile per-packet one-way delay: 137.390 ms

Loss rate: 3.78%

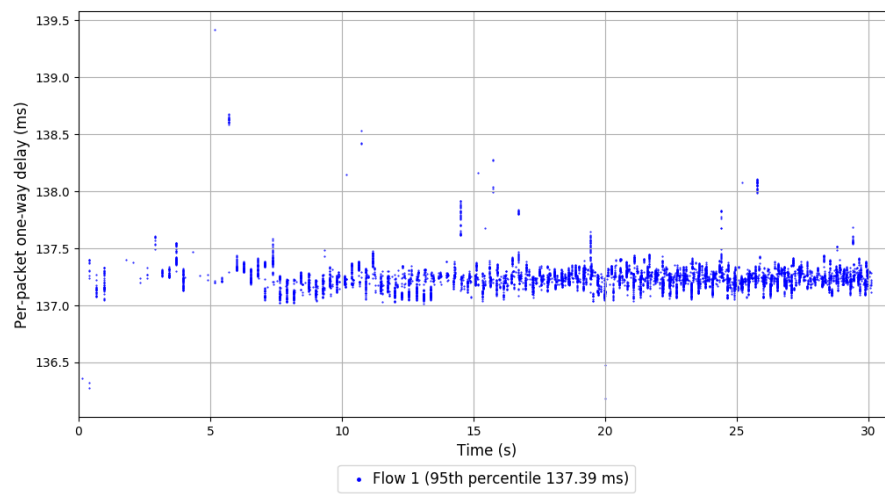
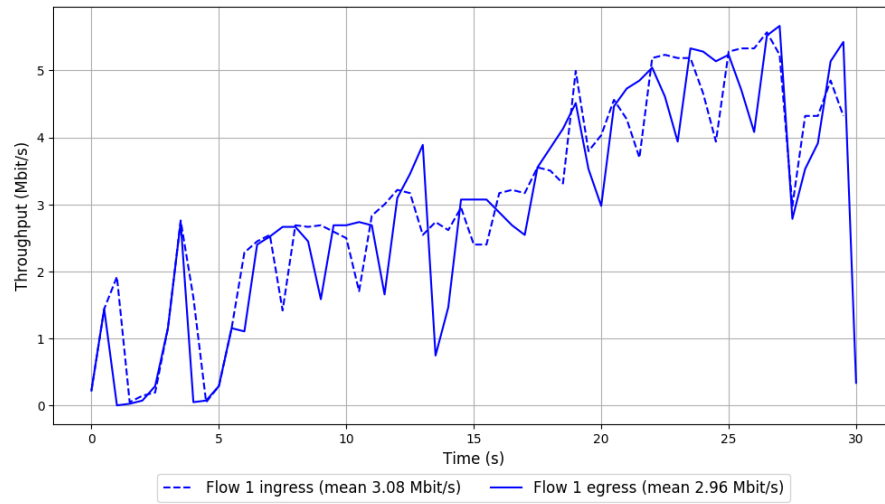
-- Flow 1:

Average throughput: 2.96 Mbit/s

95th percentile per-packet one-way delay: 137.390 ms

Loss rate: 3.78%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 19:02:54 +0000

End at: Sun, 06 Aug 2017 19:03:24 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.21 Mbit/s

95th percentile per-packet one-way delay: 136.716 ms

Loss rate: 0.03%

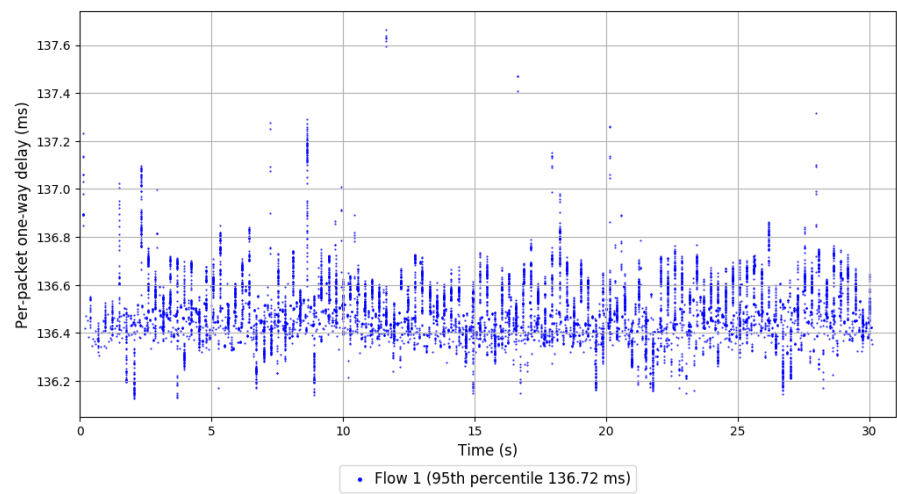
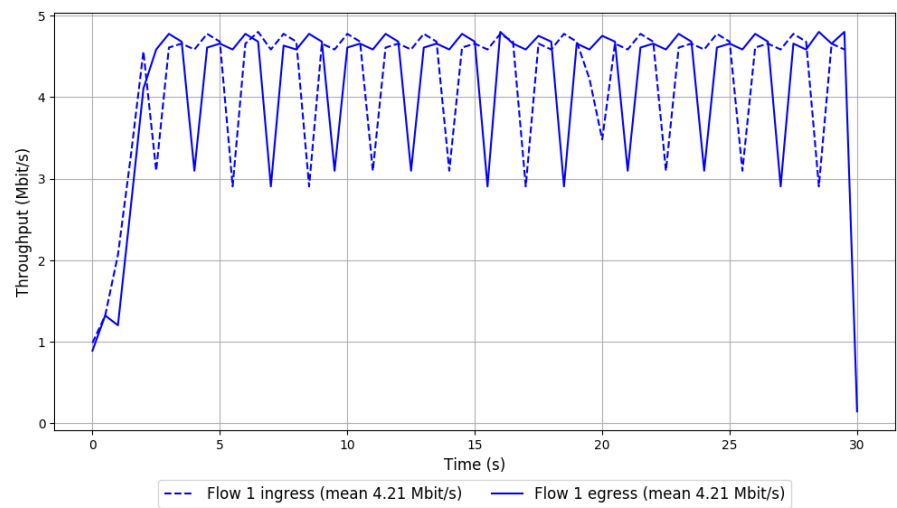
-- Flow 1:

Average throughput: 4.21 Mbit/s

95th percentile per-packet one-way delay: 136.716 ms

Loss rate: 0.03%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 19:14:30 +0000

End at: Sun, 06 Aug 2017 19:15:00 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.11 Mbit/s

95th percentile per-packet one-way delay: 137.169 ms

Loss rate: 2.45%

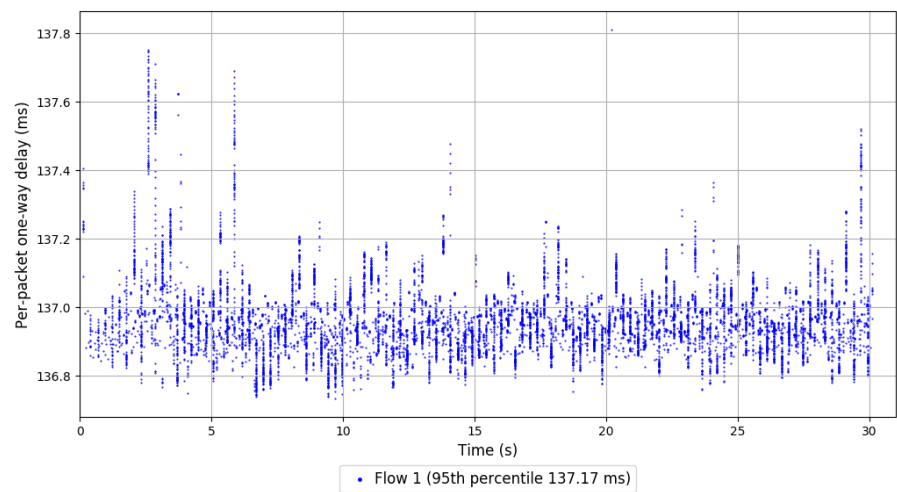
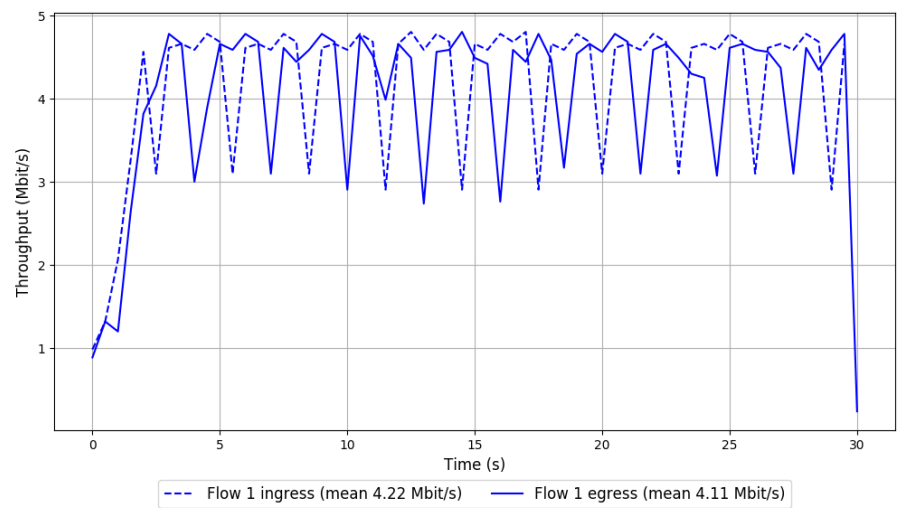
-- Flow 1:

Average throughput: 4.11 Mbit/s

95th percentile per-packet one-way delay: 137.169 ms

Loss rate: 2.45%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 19:25:58 +0000

End at: Sun, 06 Aug 2017 19:26:28 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.08 Mbit/s

95th percentile per-packet one-way delay: 136.680 ms

Loss rate: 71.21%

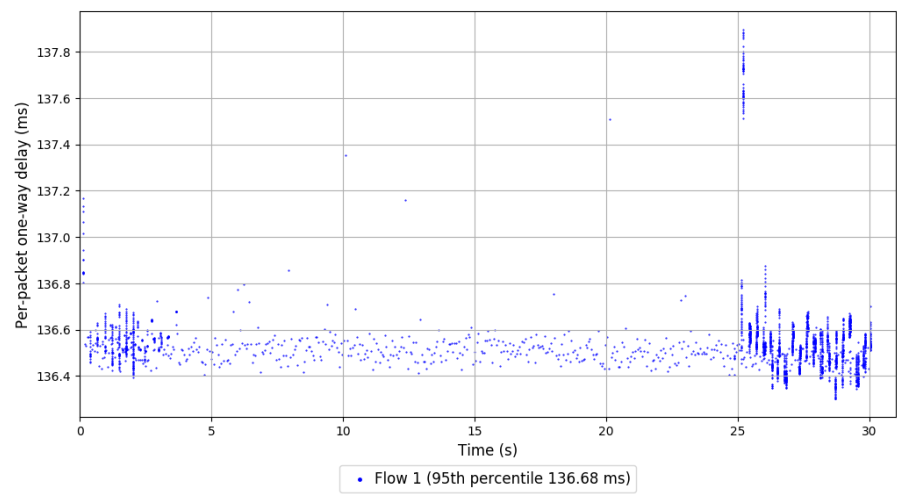
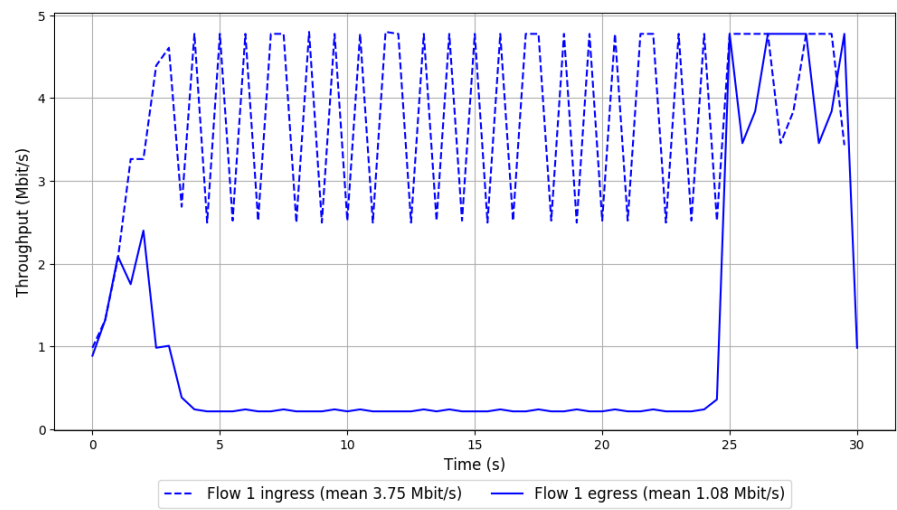
-- Flow 1:

Average throughput: 1.08 Mbit/s

95th percentile per-packet one-way delay: 136.680 ms

Loss rate: 71.21%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 19:37:34 +0000

End at: Sun, 06 Aug 2017 19:38:04 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 137.522 ms

Loss rate: 88.55%

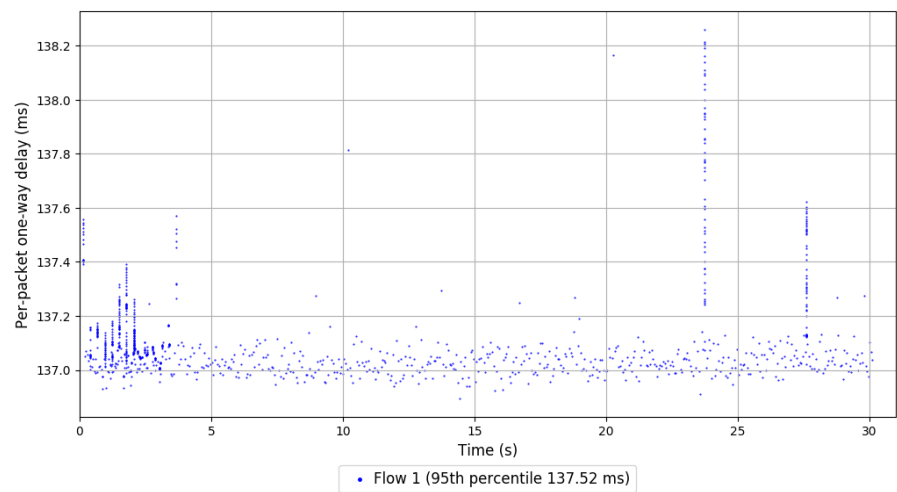
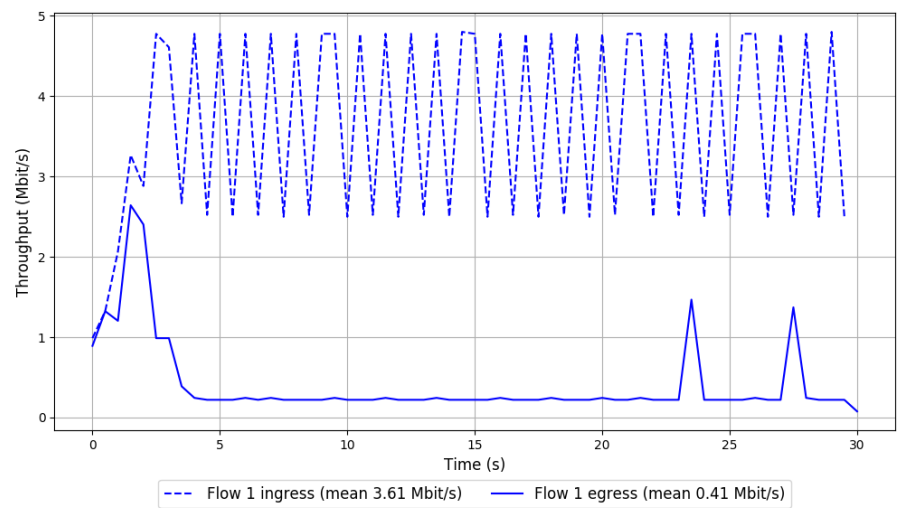
-- Flow 1:

Average throughput: 0.41 Mbit/s

95th percentile per-packet one-way delay: 137.522 ms

Loss rate: 88.55%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 19:49:24 +0000

End at: Sun, 06 Aug 2017 19:49:54 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.25 Mbit/s

95th percentile per-packet one-way delay: 135.671 ms

Loss rate: 0.03%

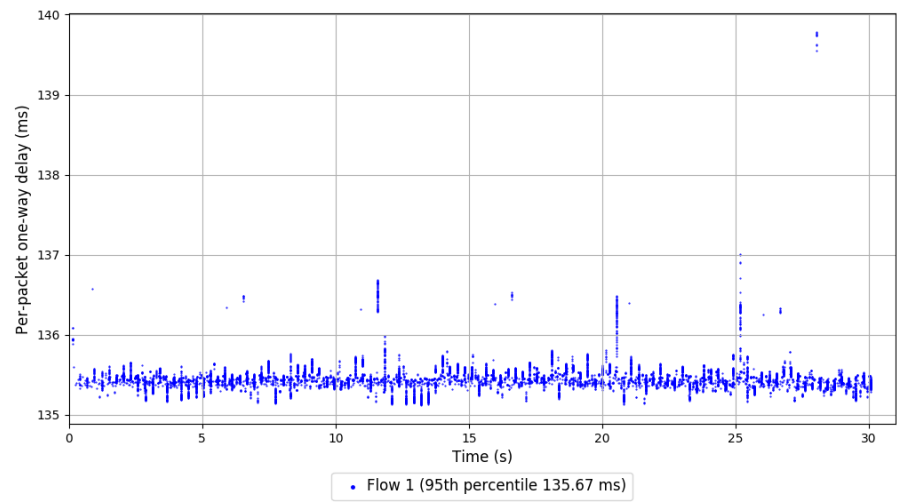
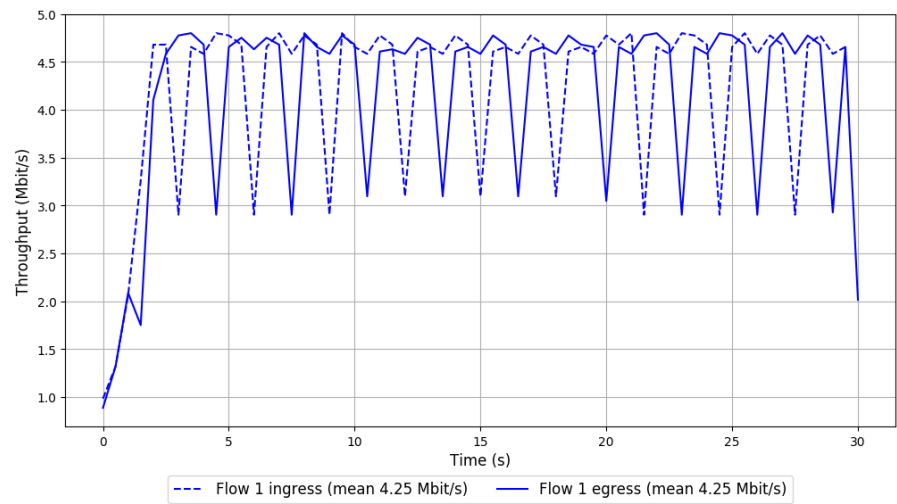
-- Flow 1:

Average throughput: 4.25 Mbit/s

95th percentile per-packet one-way delay: 135.671 ms

Loss rate: 0.03%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 20:00:26 +0000

End at: Sun, 06 Aug 2017 20:00:56 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.22 Mbit/s

95th percentile per-packet one-way delay: 136.175 ms

Loss rate: 0.12%

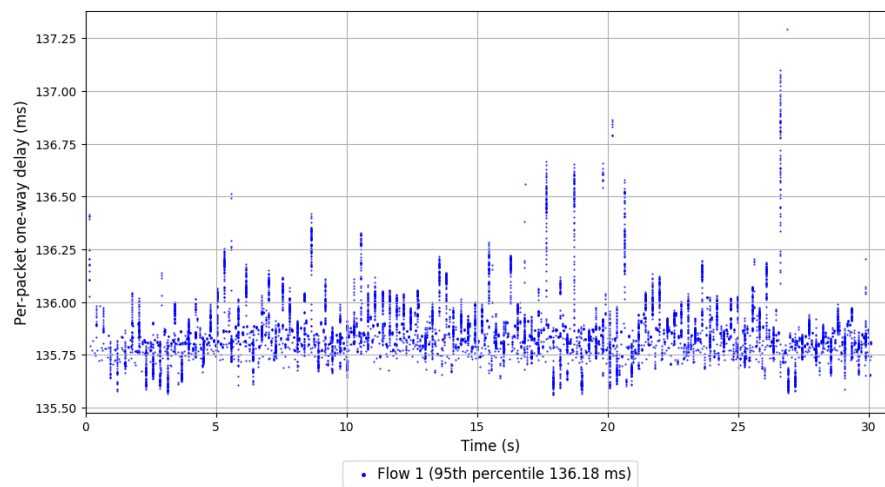
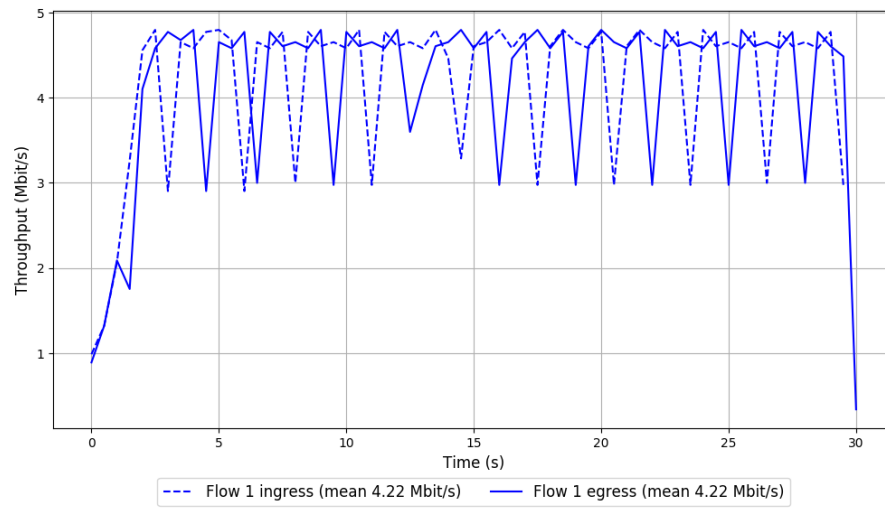
-- Flow 1:

Average throughput: 4.22 Mbit/s

95th percentile per-packet one-way delay: 136.175 ms

Loss rate: 0.12%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 20:11:55 +0000

End at: Sun, 06 Aug 2017 20:12:25 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:42 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.22 Mbit/s

95th percentile per-packet one-way delay: 136.092 ms

Loss rate: 0.03%

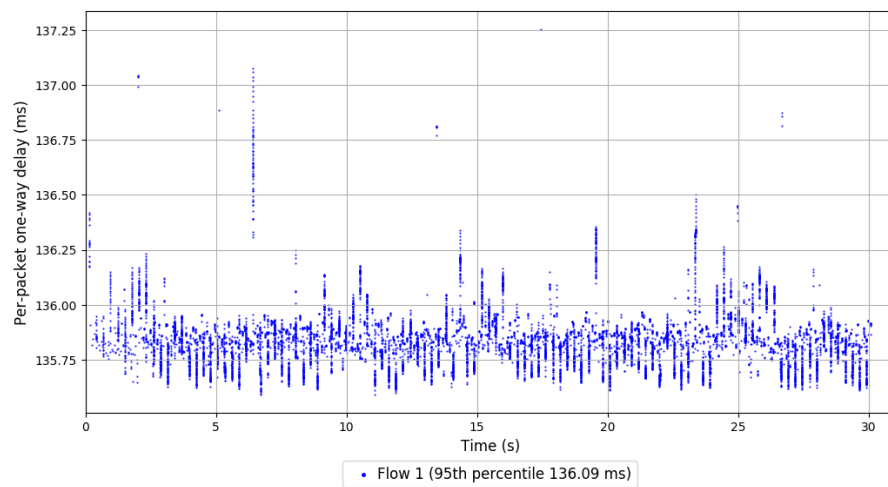
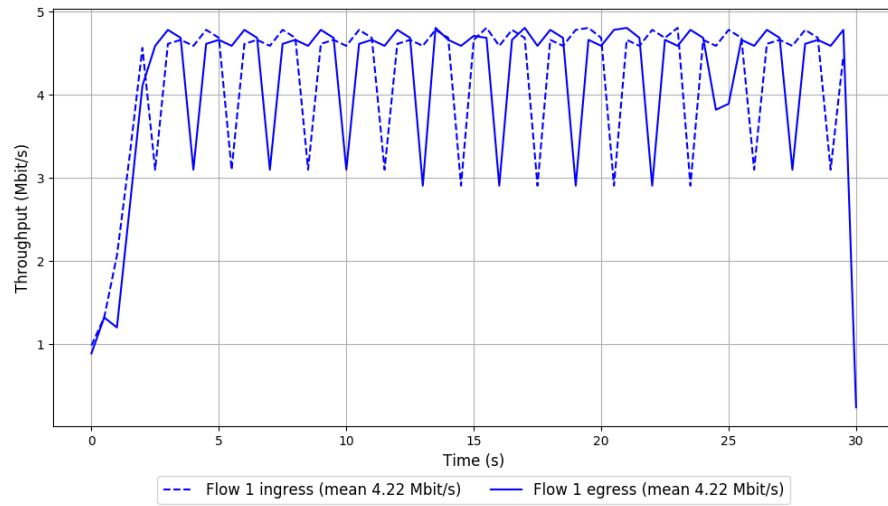
-- Flow 1:

Average throughput: 4.22 Mbit/s

95th percentile per-packet one-way delay: 136.092 ms

Loss rate: 0.03%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 20:23:19 +0000

End at: Sun, 06 Aug 2017 20:23:49 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:43 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.22 Mbit/s

95th percentile per-packet one-way delay: 136.275 ms

Loss rate: 0.00%

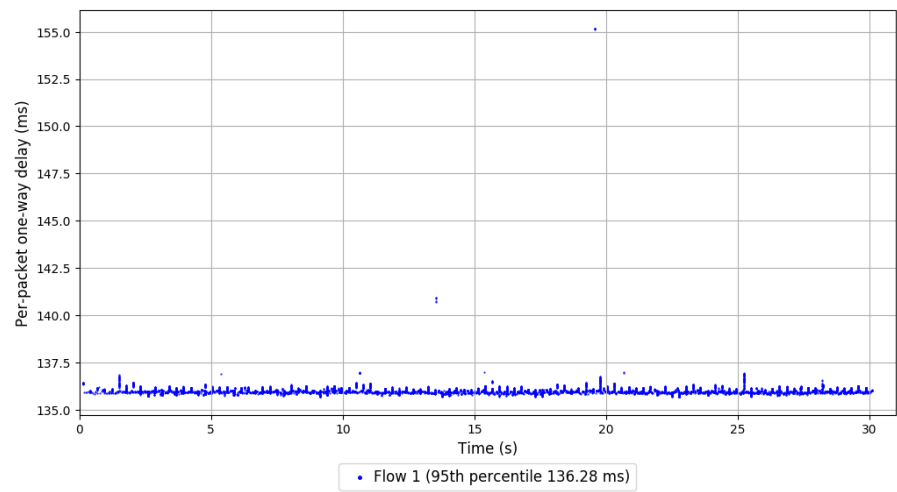
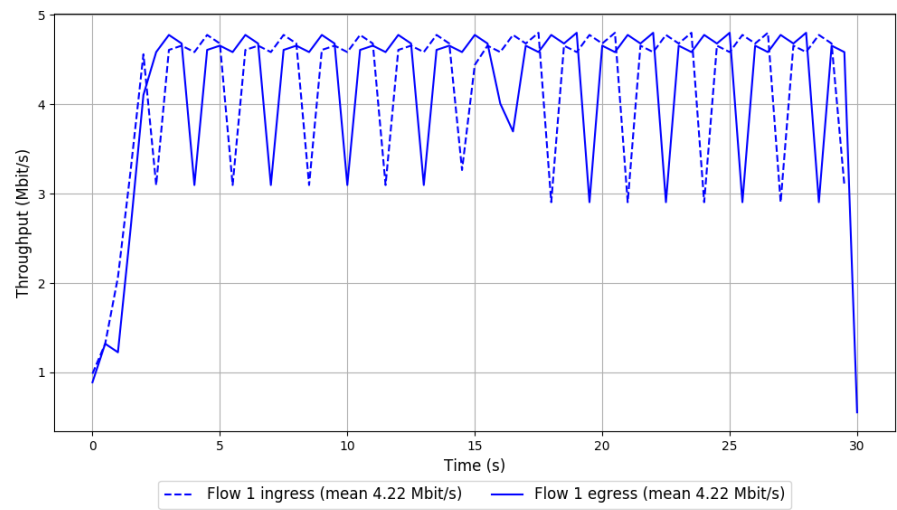
-- Flow 1:

Average throughput: 4.22 Mbit/s

95th percentile per-packet one-way delay: 136.275 ms

Loss rate: 0.00%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 20:34:33 +0000

End at: Sun, 06 Aug 2017 20:35:03 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:43 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 137.966 ms

Loss rate: 89.66%

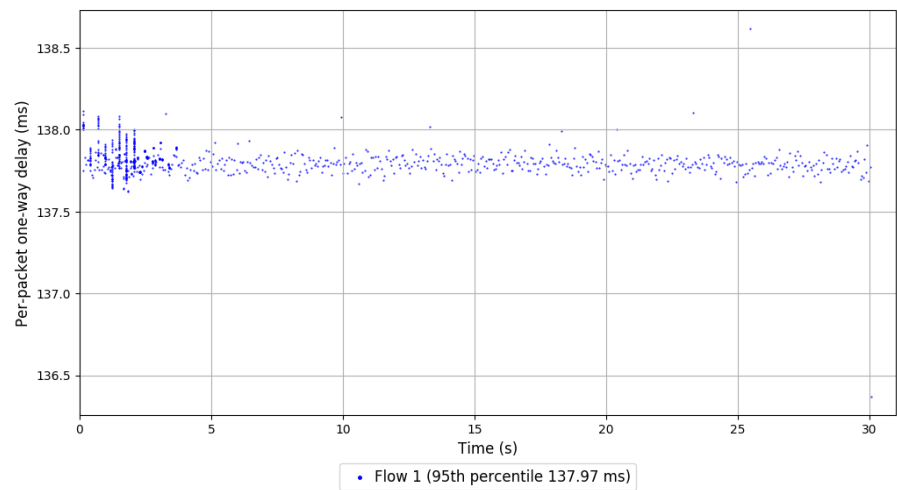
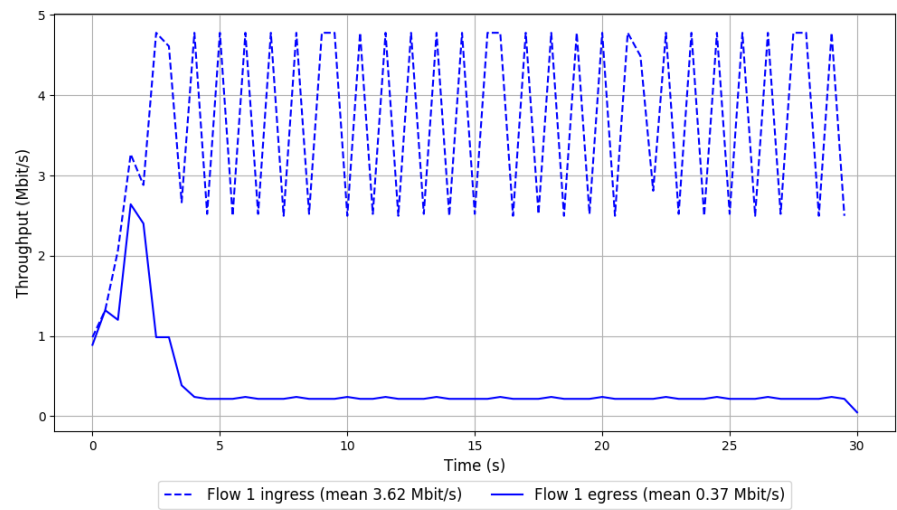
-- Flow 1:

Average throughput: 0.37 Mbit/s

95th percentile per-packet one-way delay: 137.966 ms

Loss rate: 89.66%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 20:45:45 +0000

End at: Sun, 06 Aug 2017 20:46:15 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.25 Mbit/s

95th percentile per-packet one-way delay: 136.579 ms

Loss rate: 0.08%

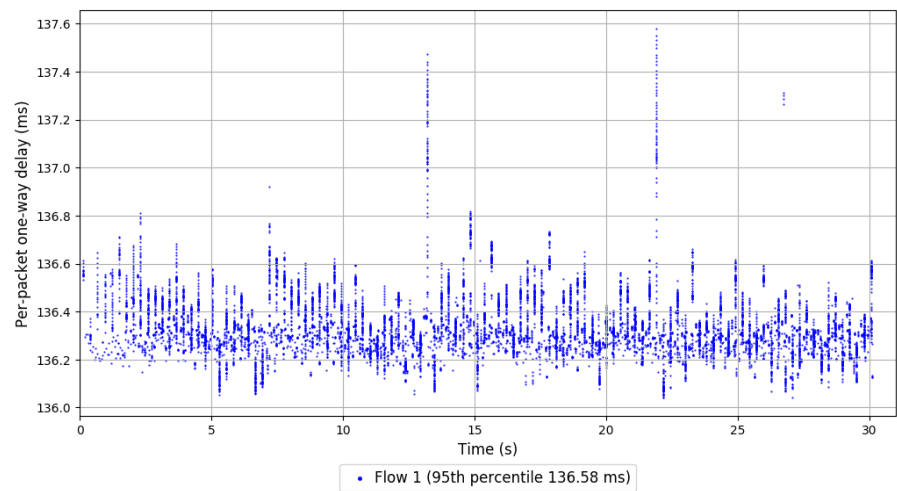
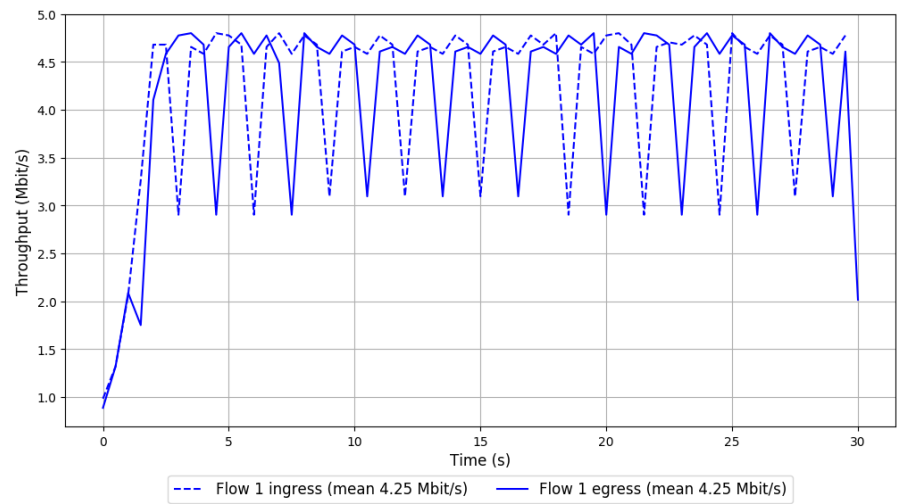
-- Flow 1:

Average throughput: 4.25 Mbit/s

95th percentile per-packet one-way delay: 136.579 ms

Loss rate: 0.08%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

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

End at: Sun, 06 Aug 2017 18:58:48 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 136.964 ms

Loss rate: 0.27%

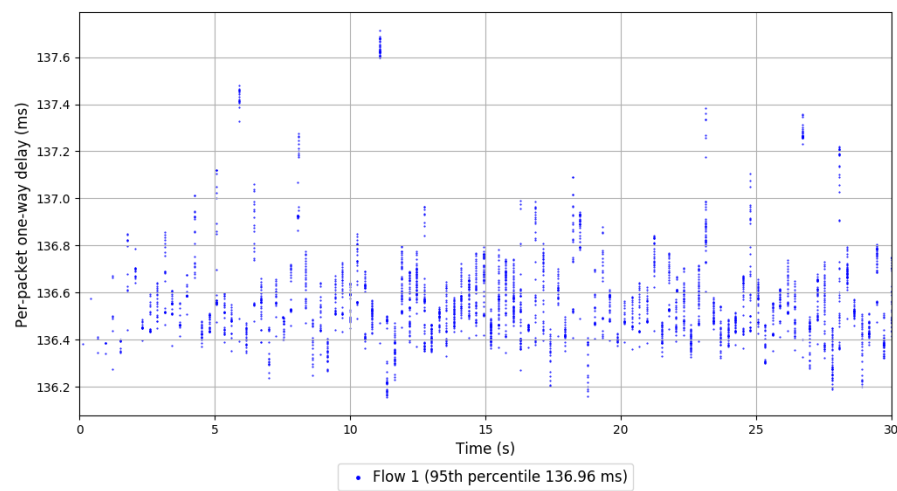
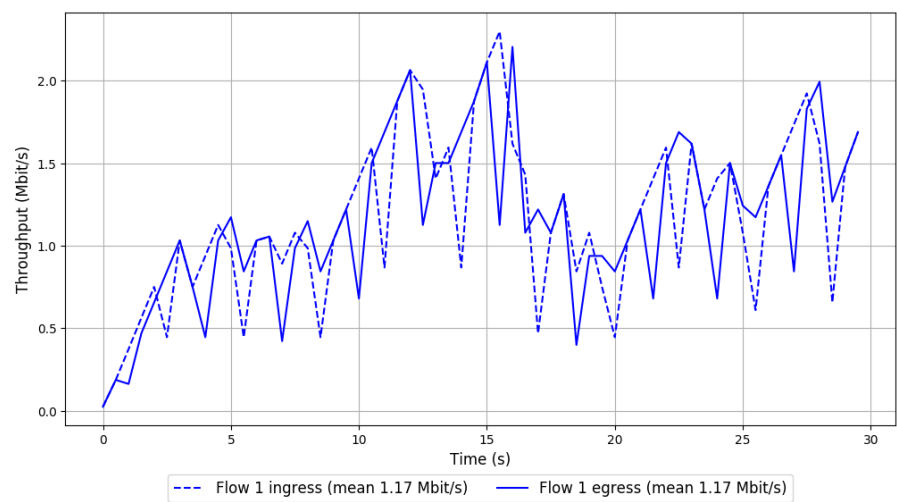
-- Flow 1:

Average throughput: 1.17 Mbit/s

95th percentile per-packet one-way delay: 136.964 ms

Loss rate: 0.27%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

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

End at: Sun, 06 Aug 2017 19:10:23 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 137.470 ms

Loss rate: 2.01%

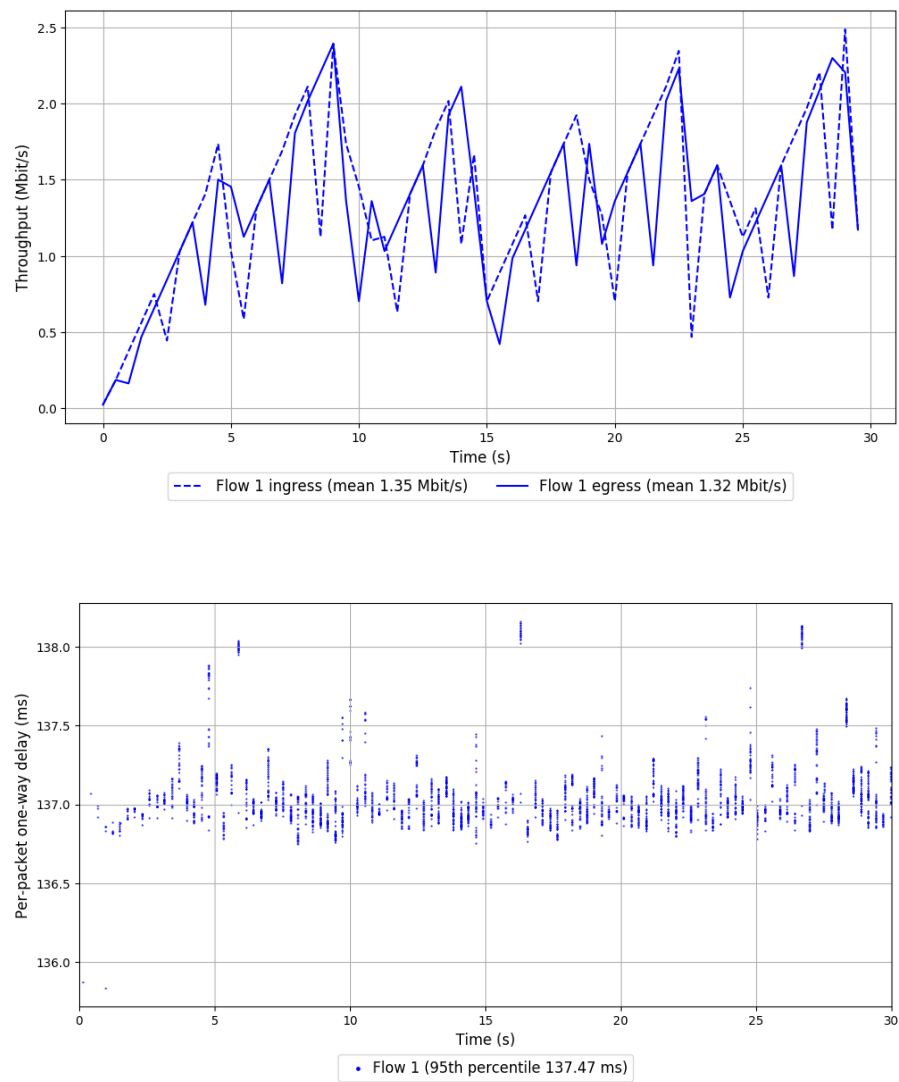
-- Flow 1:

Average throughput: 1.32 Mbit/s

95th percentile per-packet one-way delay: 137.470 ms

Loss rate: 2.01%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 19:21:43 +0000

End at: Sun, 06 Aug 2017 19:22:13 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:47 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 137.601 ms

Loss rate: 1.15%

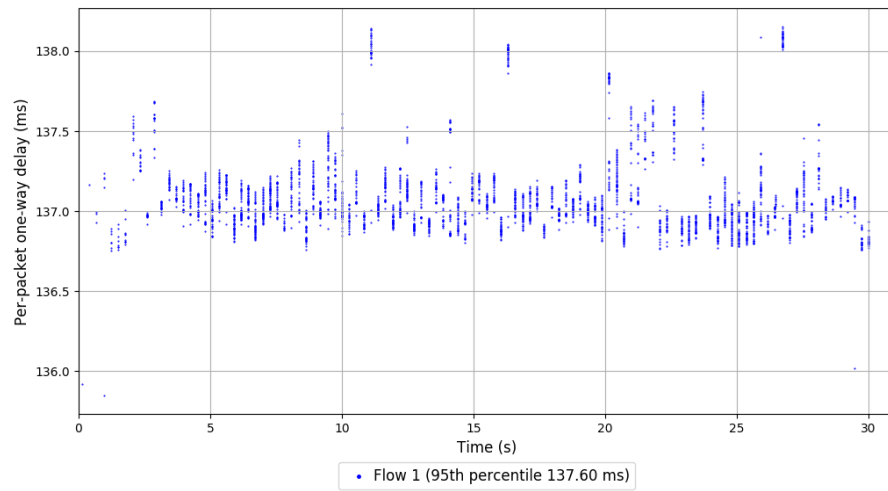
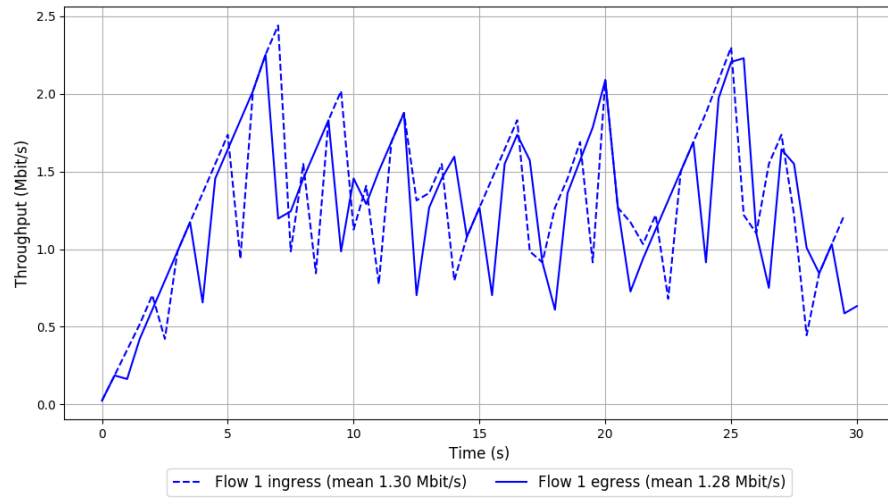
-- Flow 1:

Average throughput: 1.28 Mbit/s

95th percentile per-packet one-way delay: 137.601 ms

Loss rate: 1.15%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

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

End at: Sun, 06 Aug 2017 19:33:47 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:48 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 136.200 ms

Loss rate: 1.54%

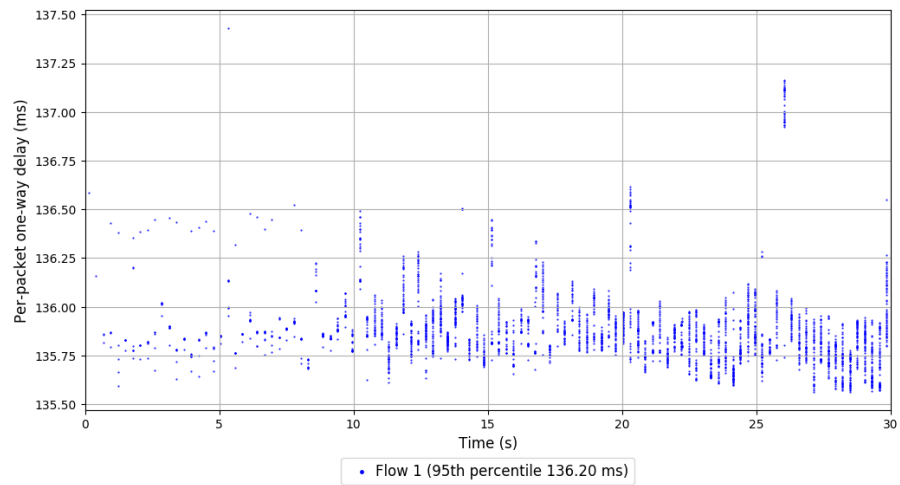
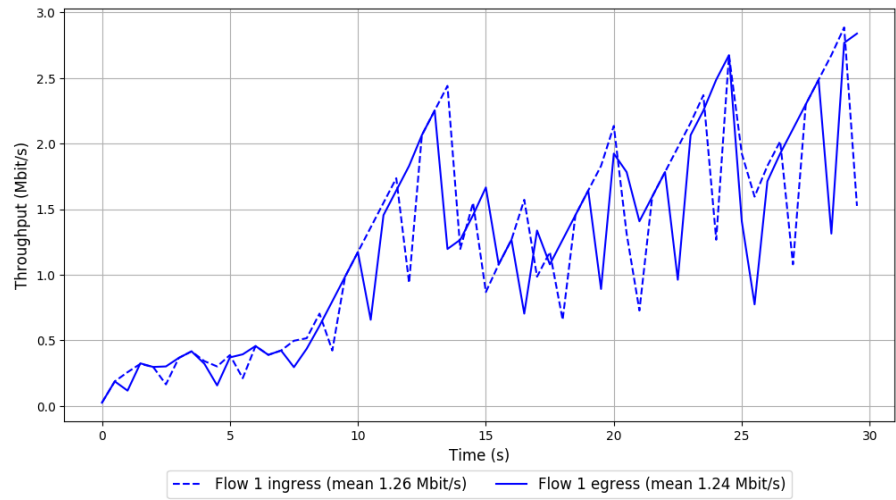
-- Flow 1:

Average throughput: 1.24 Mbit/s

95th percentile per-packet one-way delay: 136.200 ms

Loss rate: 1.54%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 19:44:45 +0000

End at: Sun, 06 Aug 2017 19:45:15 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 137.518 ms

Loss rate: 1.98%

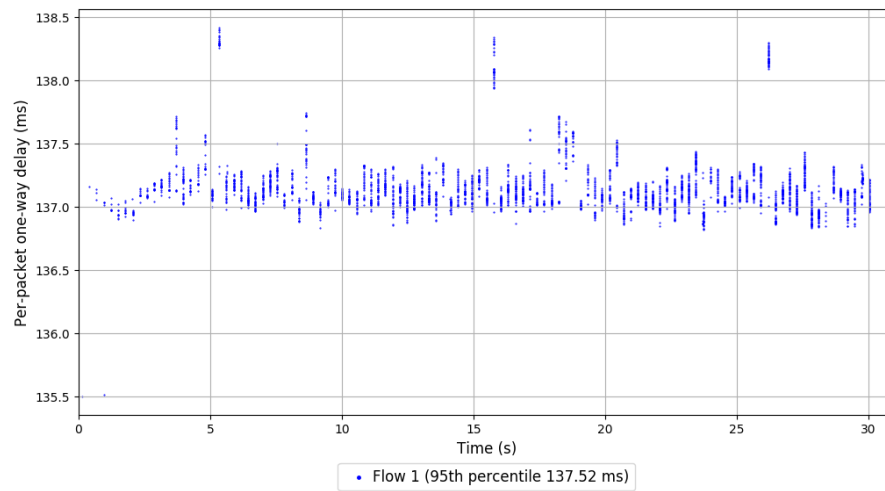
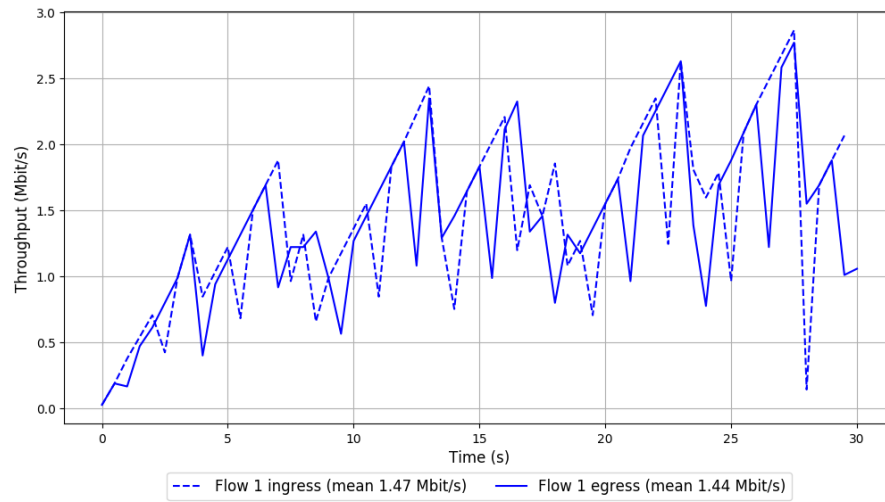
-- Flow 1:

Average throughput: 1.44 Mbit/s

95th percentile per-packet one-way delay: 137.518 ms

Loss rate: 1.98%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

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

End at: Sun, 06 Aug 2017 19:56:34 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 136.390 ms

Loss rate: 2.60%

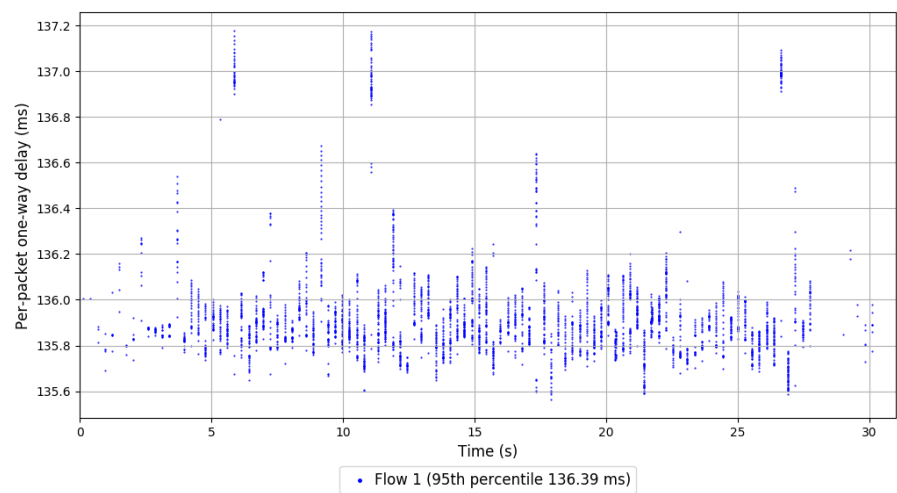
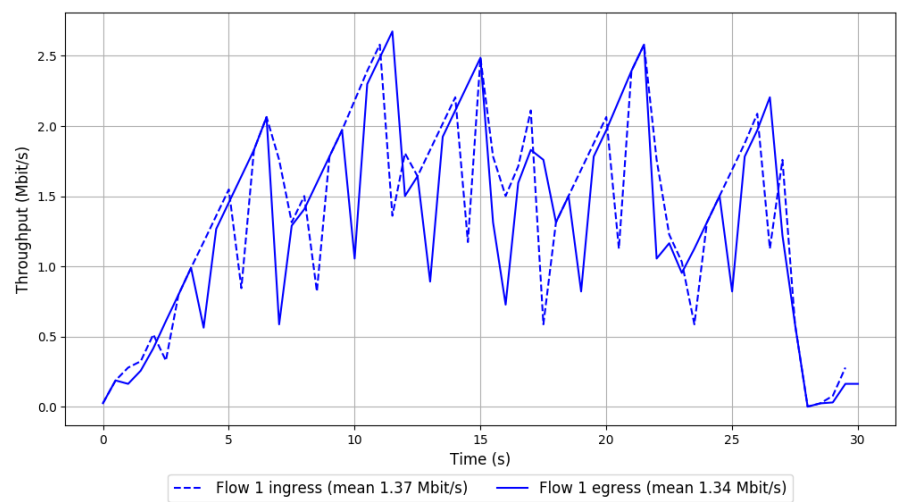
-- Flow 1:

Average throughput: 1.34 Mbit/s

95th percentile per-packet one-way delay: 136.390 ms

Loss rate: 2.60%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 20:07:23 +0000

End at: Sun, 06 Aug 2017 20:07:53 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.54 Mbit/s

95th percentile per-packet one-way delay: 138.044 ms

Loss rate: 1.55%

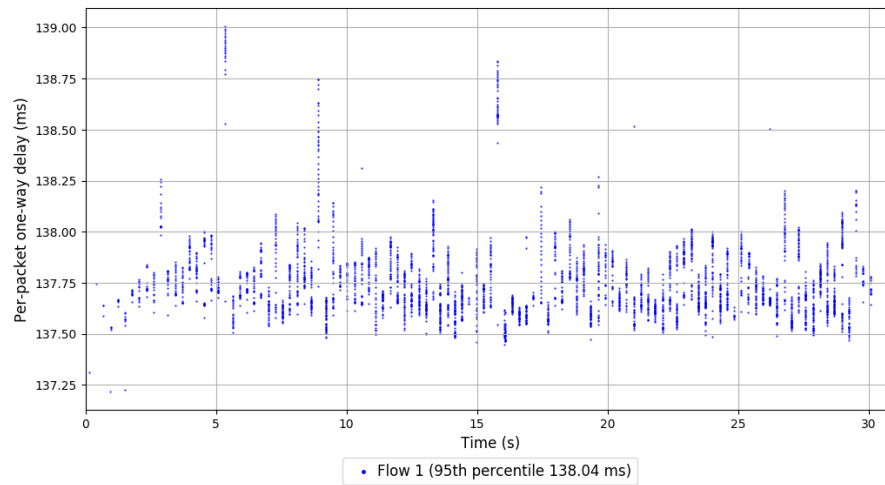
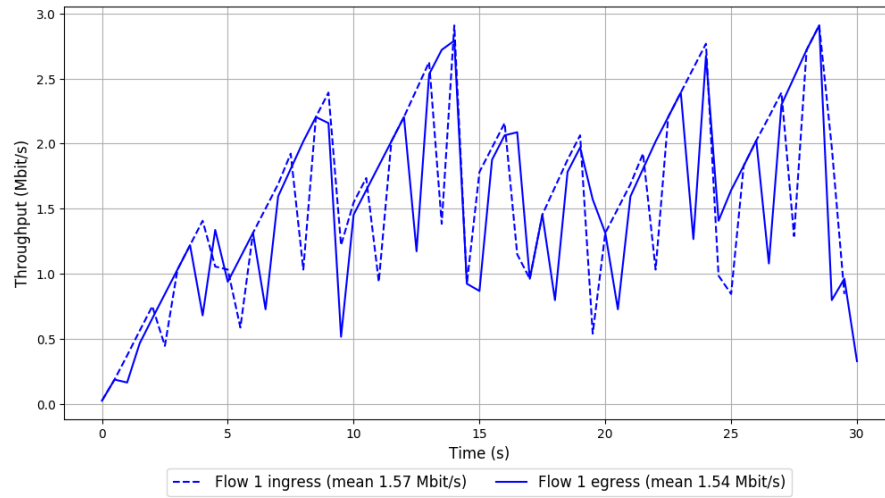
-- Flow 1:

Average throughput: 1.54 Mbit/s

95th percentile per-packet one-way delay: 138.044 ms

Loss rate: 1.55%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 20:18:53 +0000

End at: Sun, 06 Aug 2017 20:19:23 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 136.477 ms

Loss rate: 0.32%

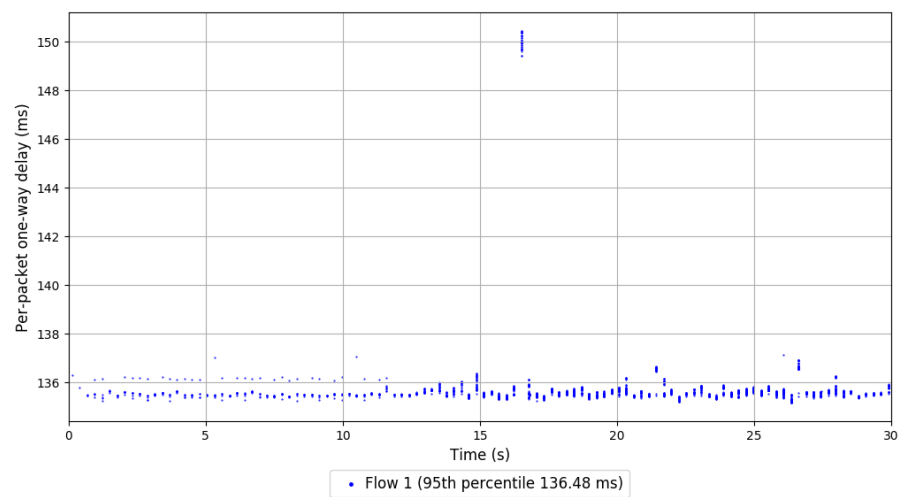
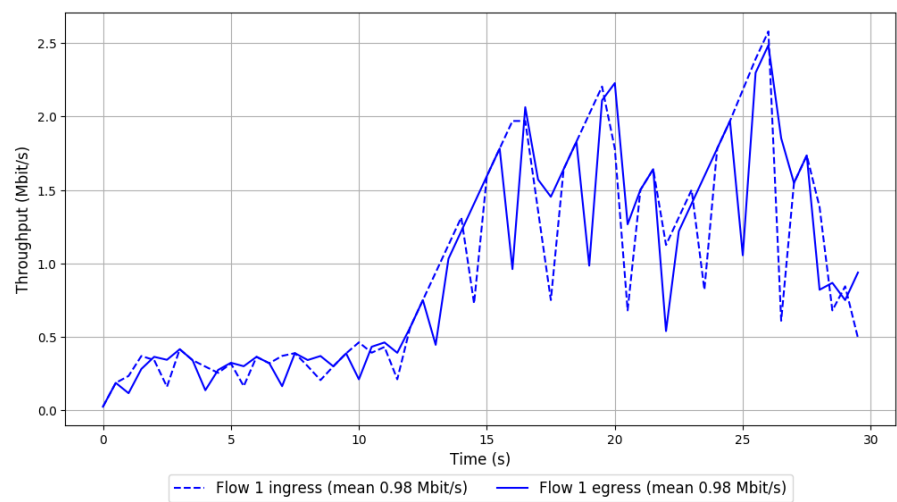
-- Flow 1:

Average throughput: 0.98 Mbit/s

95th percentile per-packet one-way delay: 136.477 ms

Loss rate: 0.32%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 20:29:53 +0000

End at: Sun, 06 Aug 2017 20:30:24 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:53 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.06 Mbit/s

95th percentile per-packet one-way delay: 136.930 ms

Loss rate: 0.88%

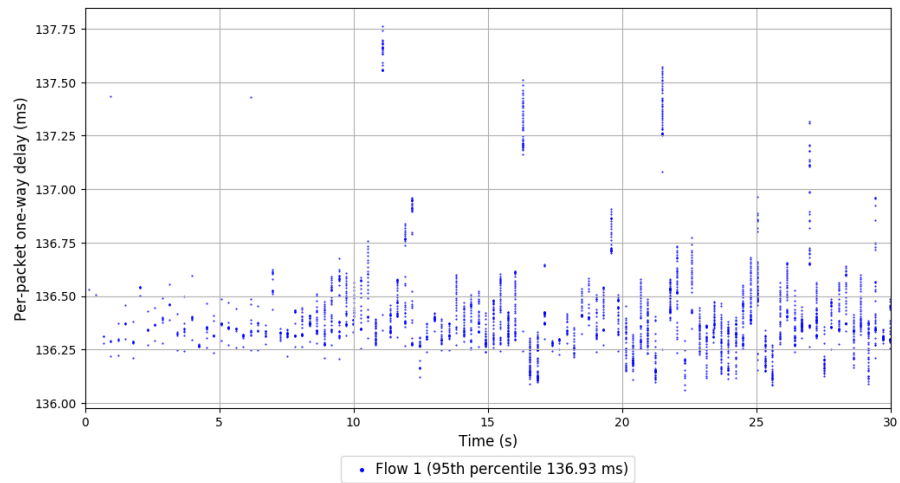
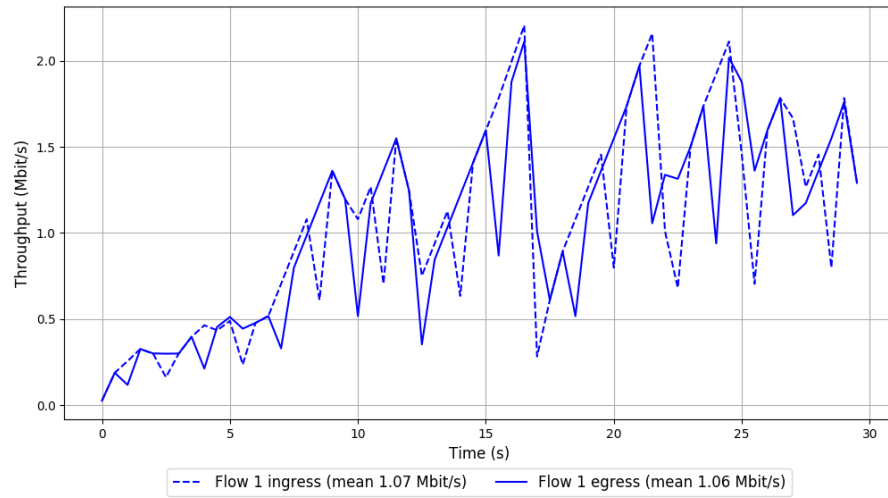
-- Flow 1:

Average throughput: 1.06 Mbit/s

95th percentile per-packet one-way delay: 136.930 ms

Loss rate: 0.88%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 20:41:17 +0000

End at: Sun, 06 Aug 2017 20:41:47 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:47:53 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.19 Mbit/s

95th percentile per-packet one-way delay: 138.270 ms

Loss rate: 2.70%

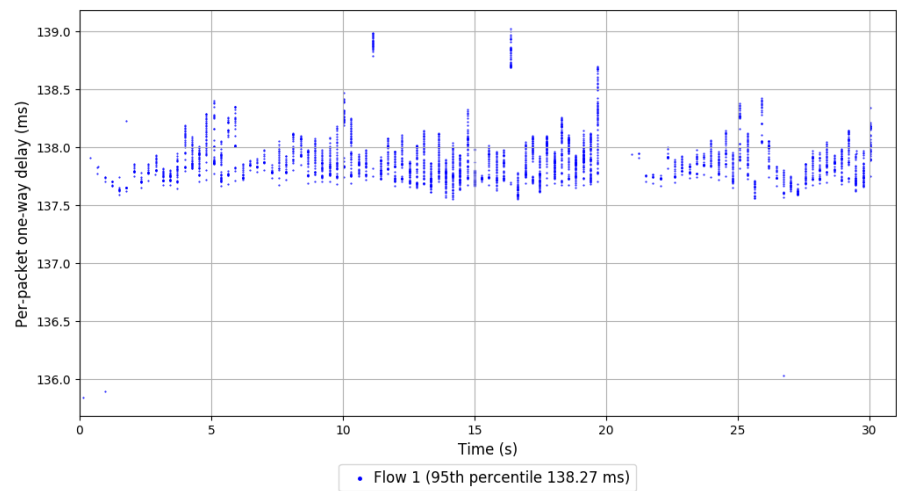
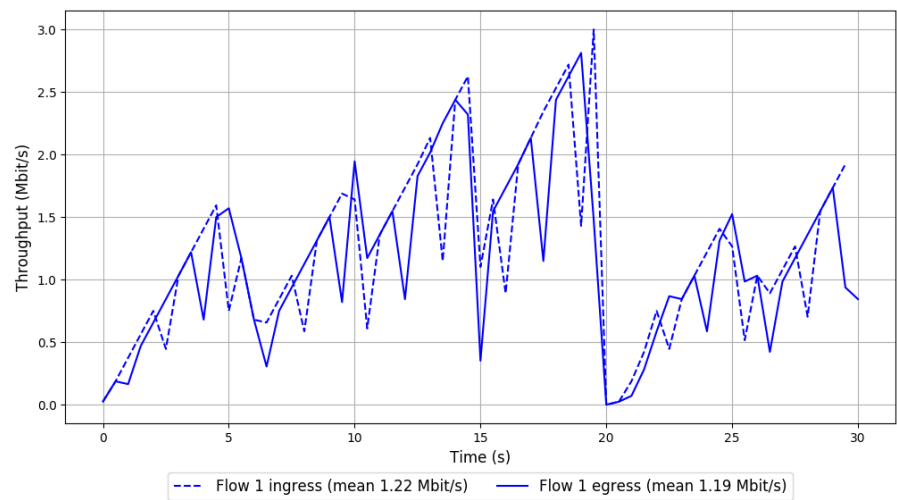
-- Flow 1:

Average throughput: 1.19 Mbit/s

95th percentile per-packet one-way delay: 138.270 ms

Loss rate: 2.70%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Sun, 06 Aug 2017 18:52:22 +0000

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

Below is generated by plot.py at Sun, 06 Aug 2017 21:49:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 441.78 Mbit/s

95th percentile per-packet one-way delay: 191.545 ms

Loss rate: 0.38%

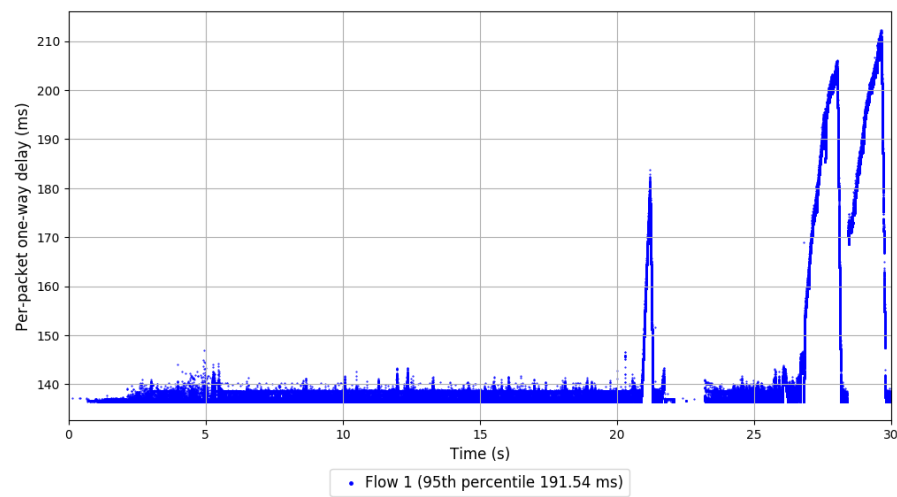
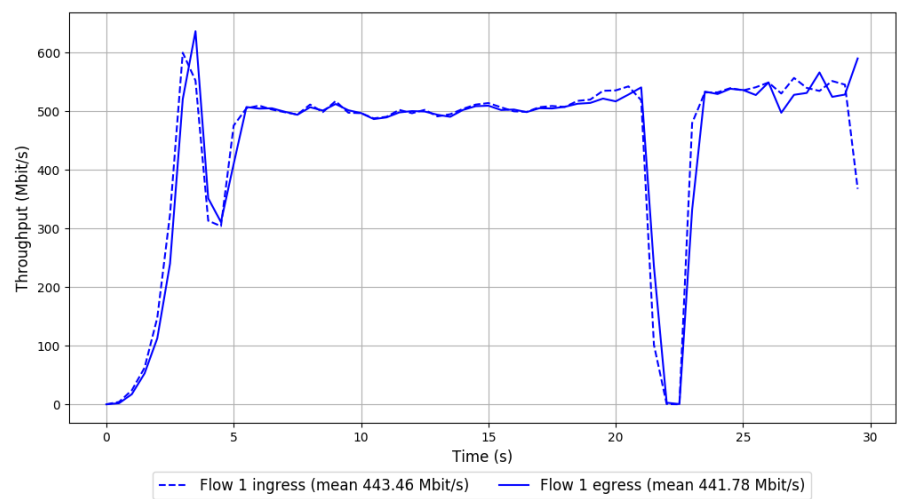
-- Flow 1:

Average throughput: 441.78 Mbit/s

95th percentile per-packet one-way delay: 191.545 ms

Loss rate: 0.38%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

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

End at: Sun, 06 Aug 2017 19:04:49 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:49:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 411.88 Mbit/s

95th percentile per-packet one-way delay: 229.610 ms

Loss rate: 0.65%

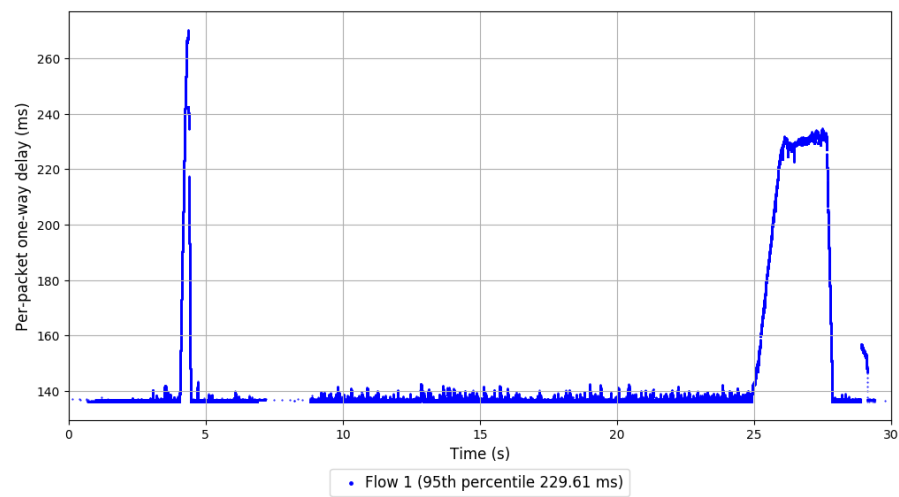
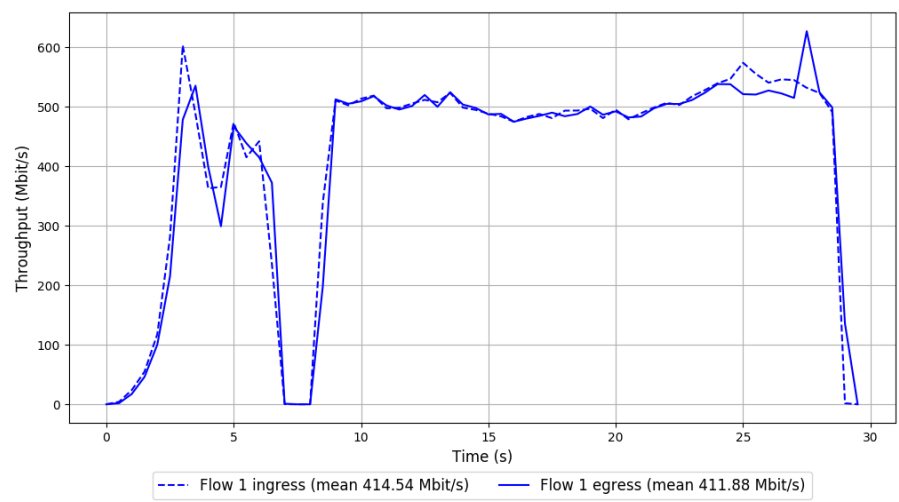
-- Flow 1:

Average throughput: 411.88 Mbit/s

95th percentile per-packet one-way delay: 229.610 ms

Loss rate: 0.65%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

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

End at: Sun, 06 Aug 2017 19:16:25 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:50:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 463.75 Mbit/s

95th percentile per-packet one-way delay: 216.534 ms

Loss rate: 0.71%

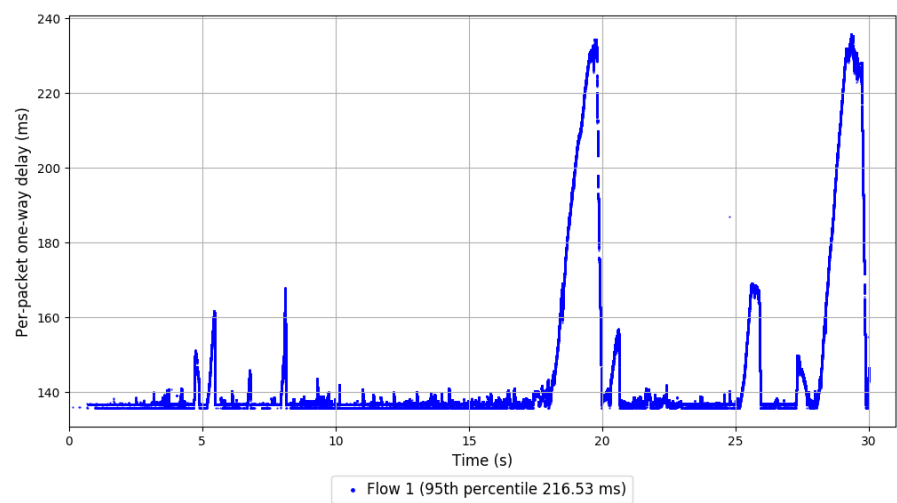
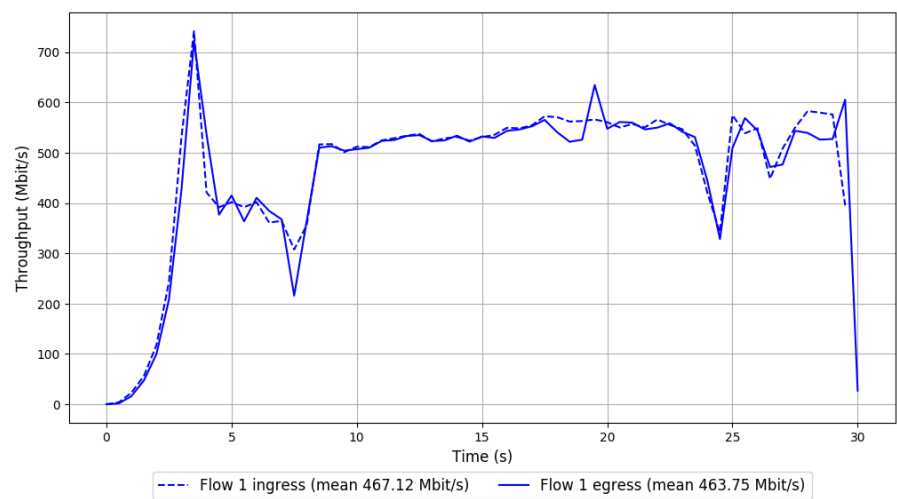
-- Flow 1:

Average throughput: 463.75 Mbit/s

95th percentile per-packet one-way delay: 216.534 ms

Loss rate: 0.71%

Run 3: Report of PCC — Data Link

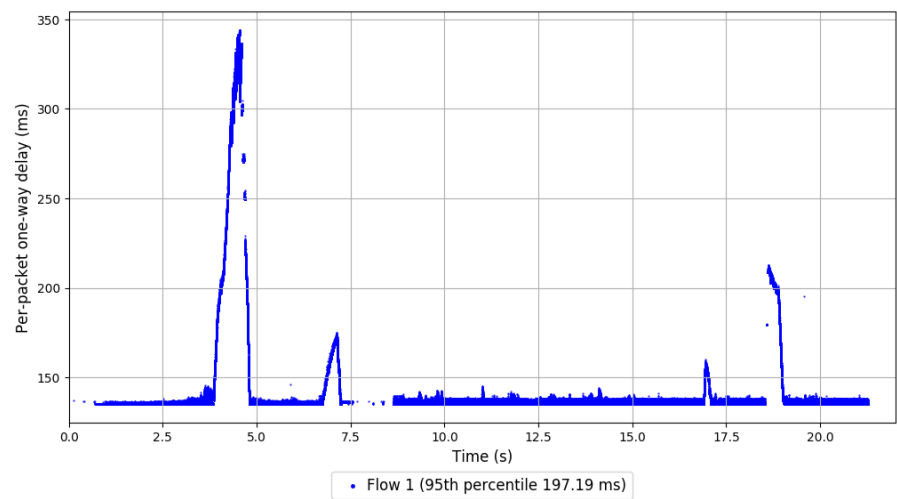
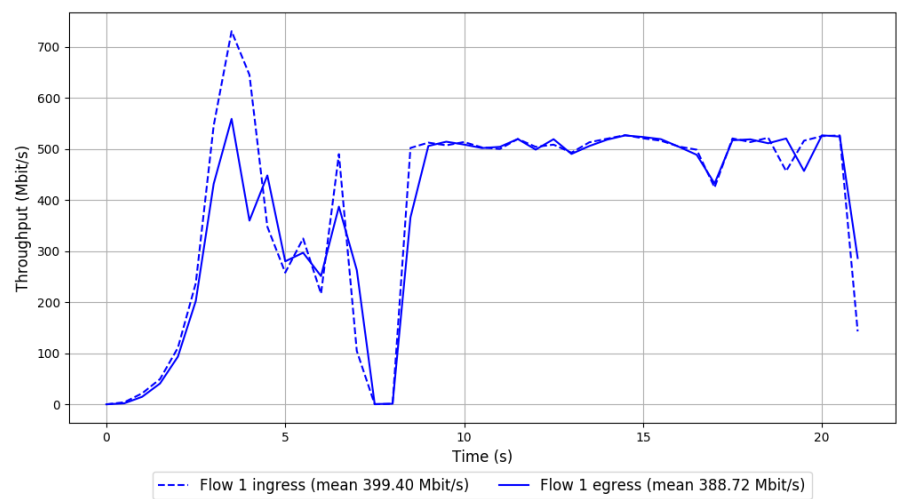


Run 4: Statistics of PCC

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

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

Run 4: Report of PCC — Data Link

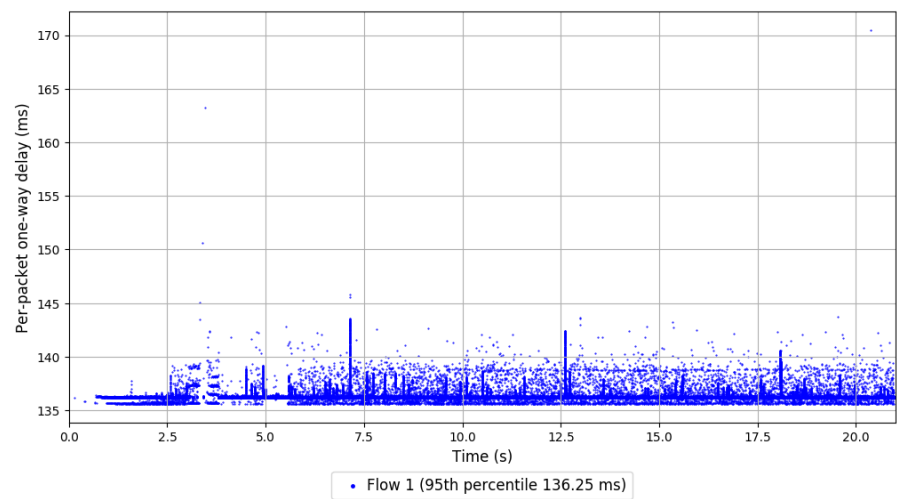
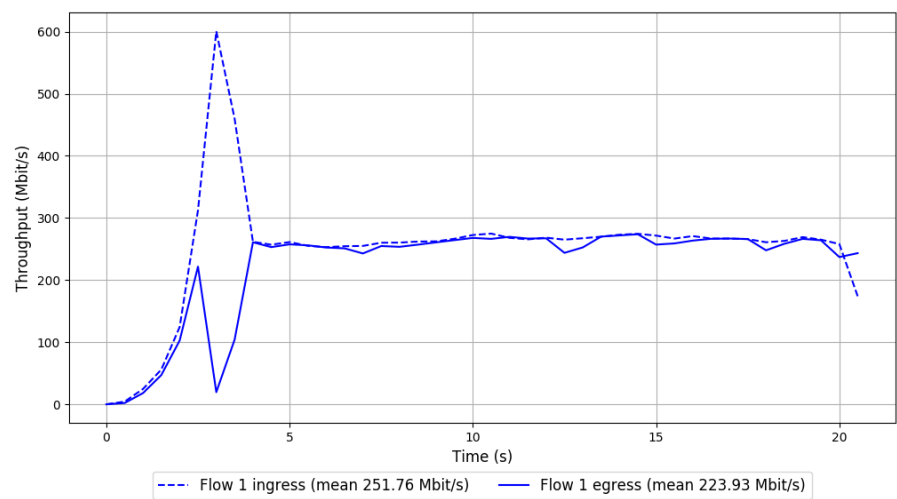


Run 5: Statistics of PCC

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

End at: Sun, 06 Aug 2017 19:39:30 +0000

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Sun, 06 Aug 2017 19:50:53 +0000

End at: Sun, 06 Aug 2017 19:51:23 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:51:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 248.26 Mbit/s

95th percentile per-packet one-way delay: 136.254 ms

Loss rate: 7.37%

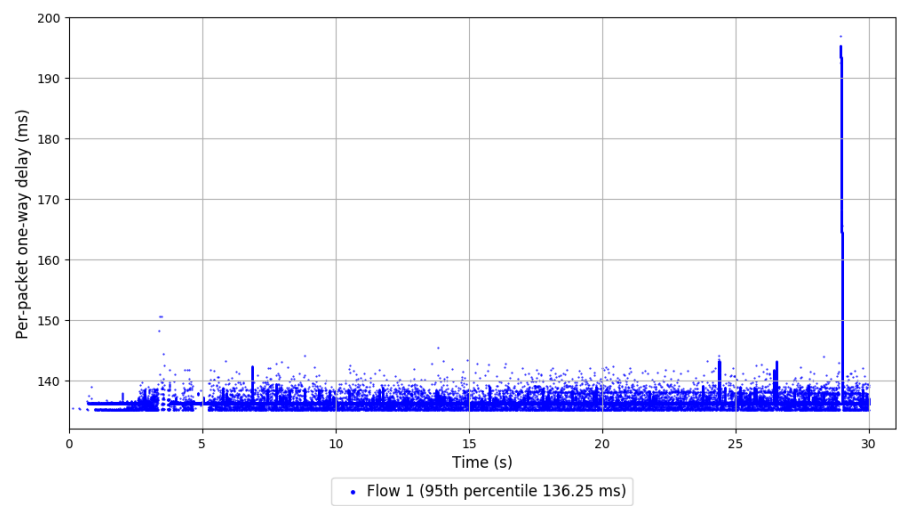
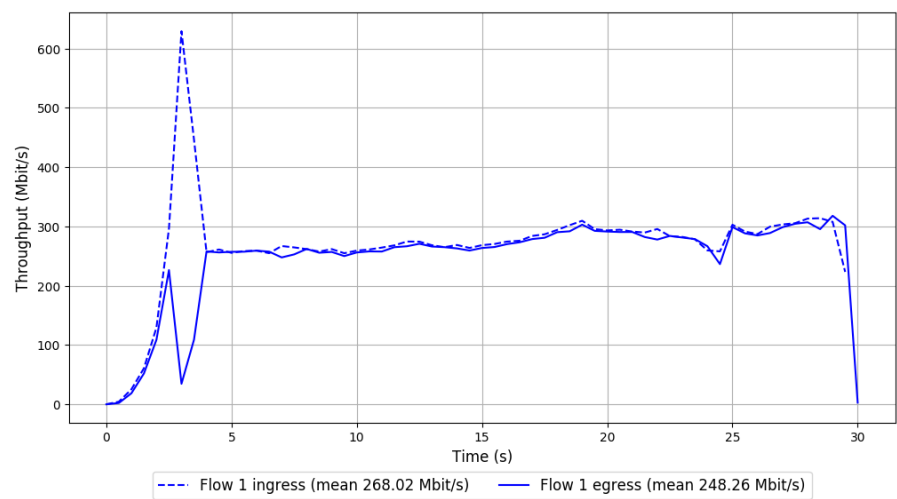
-- Flow 1:

Average throughput: 248.26 Mbit/s

95th percentile per-packet one-way delay: 136.254 ms

Loss rate: 7.37%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Sun, 06 Aug 2017 20:01:54 +0000

End at: Sun, 06 Aug 2017 20:02:25 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:51:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 375.50 Mbit/s

95th percentile per-packet one-way delay: 233.071 ms

Loss rate: 2.69%

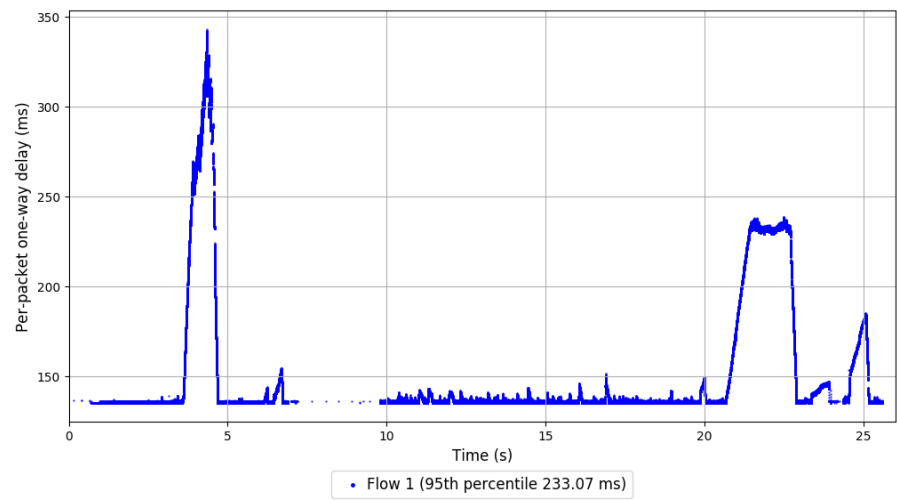
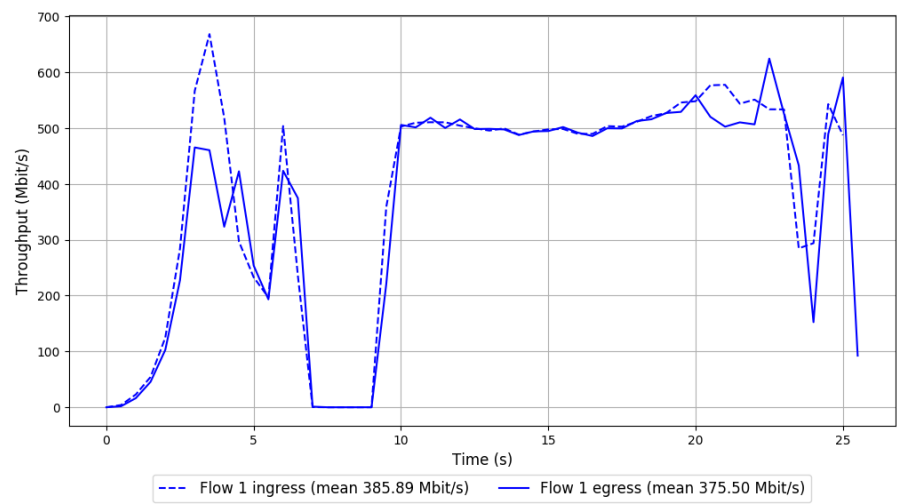
-- Flow 1:

Average throughput: 375.50 Mbit/s

95th percentile per-packet one-way delay: 233.071 ms

Loss rate: 2.69%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Sun, 06 Aug 2017 20:13:24 +0000

End at: Sun, 06 Aug 2017 20:13:54 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:52:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 426.17 Mbit/s

95th percentile per-packet one-way delay: 138.434 ms

Loss rate: 0.03%

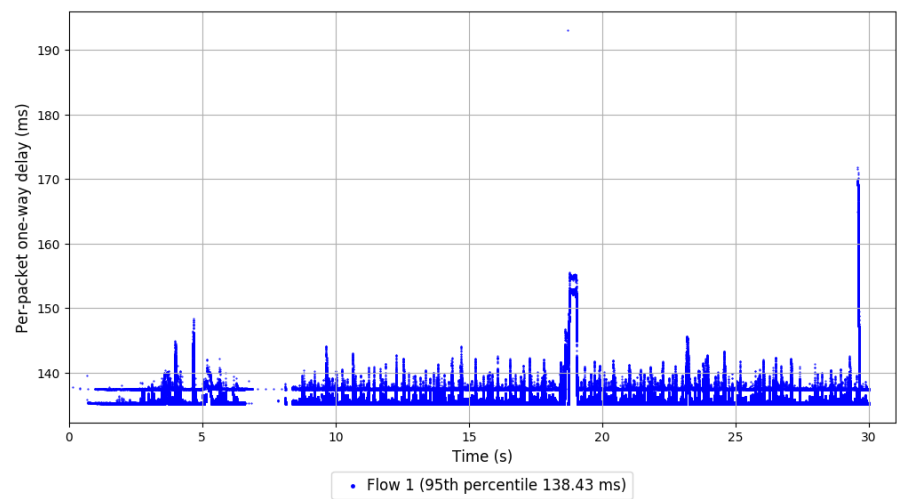
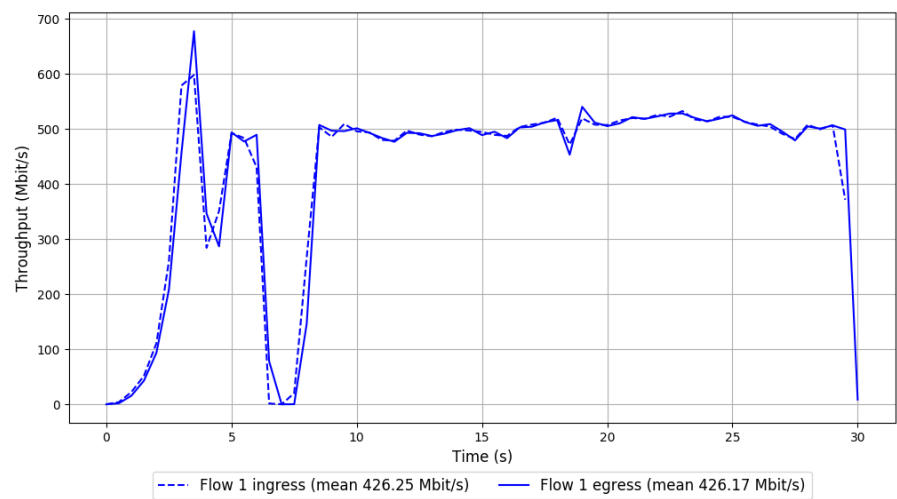
-- Flow 1:

Average throughput: 426.17 Mbit/s

95th percentile per-packet one-way delay: 138.434 ms

Loss rate: 0.03%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Sun, 06 Aug 2017 20:24:48 +0000

End at: Sun, 06 Aug 2017 20:25:18 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:52:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 151.93 Mbit/s

95th percentile per-packet one-way delay: 137.557 ms

Loss rate: 9.37%

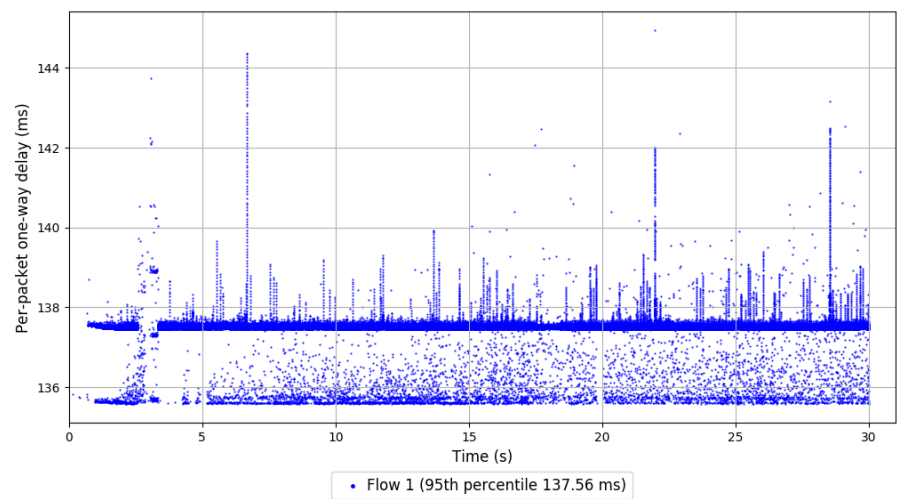
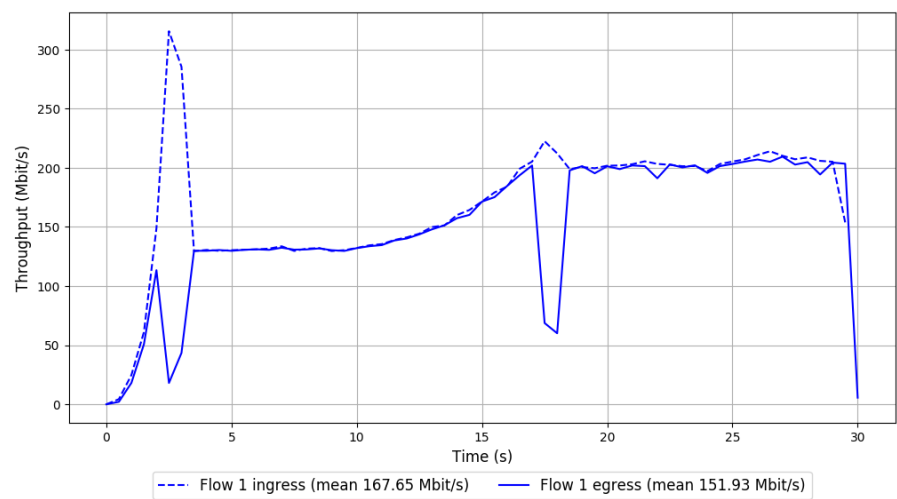
-- Flow 1:

Average throughput: 151.93 Mbit/s

95th percentile per-packet one-way delay: 137.557 ms

Loss rate: 9.37%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Sun, 06 Aug 2017 20:35:59 +0000

End at: Sun, 06 Aug 2017 20:36:29 +0000

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 269.70 Mbit/s

95th percentile per-packet one-way delay: 136.871 ms

Loss rate: 7.49%

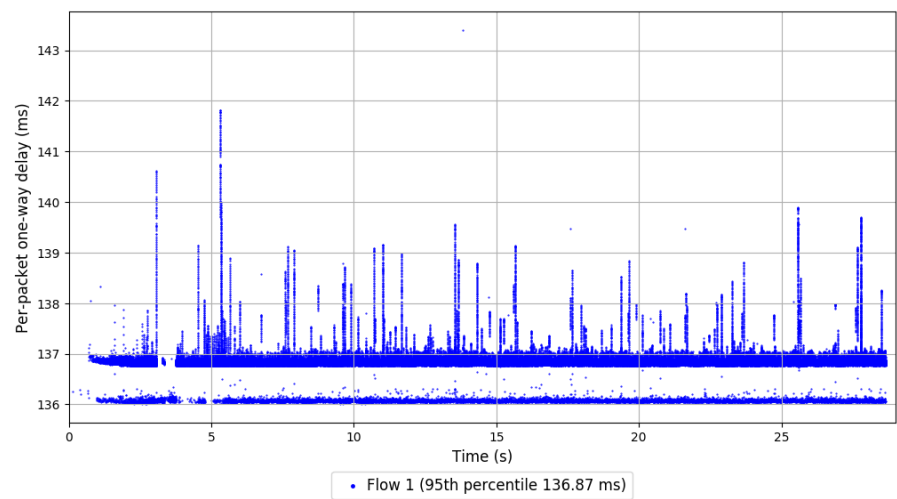
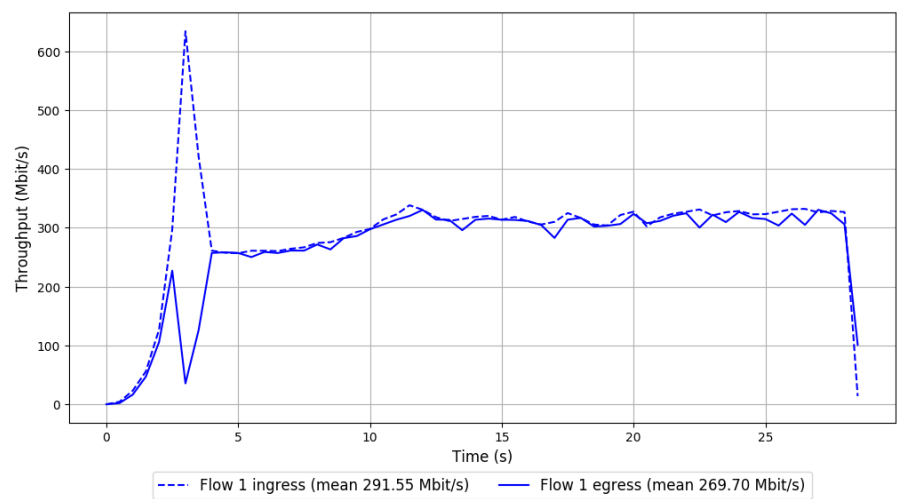
-- Flow 1:

Average throughput: 269.70 Mbit/s

95th percentile per-packet one-way delay: 136.871 ms

Loss rate: 7.49%

Run 10: Report of PCC — Data Link

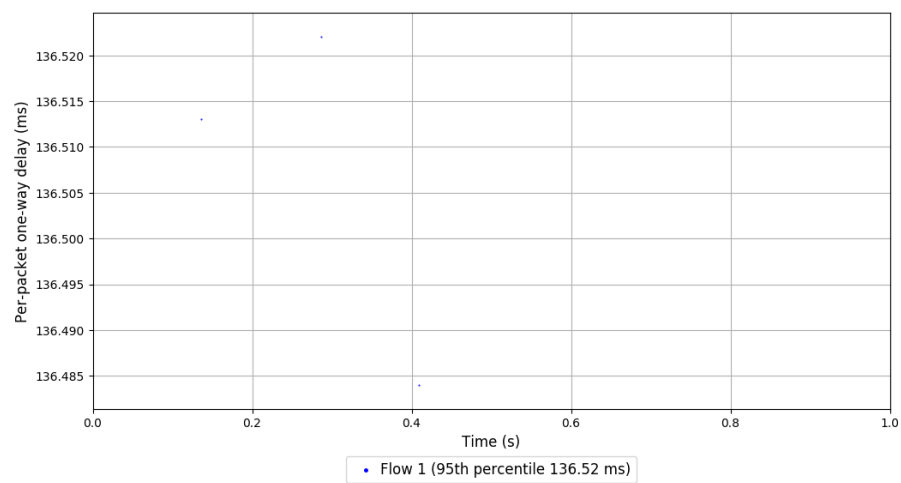
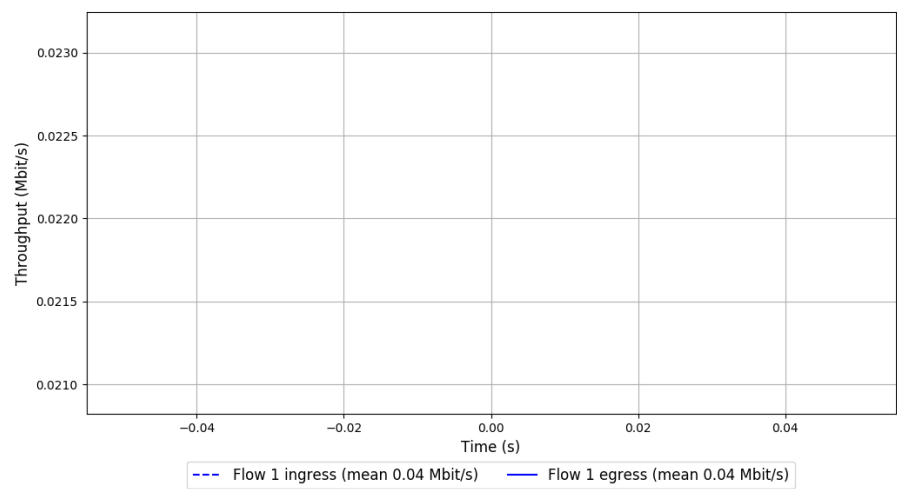


Run 1: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 19:03:37 +0000

End at: Sun, 06 Aug 2017 19:04:07 +0000

Run 1: Report of QUIC Cubic — Data Link

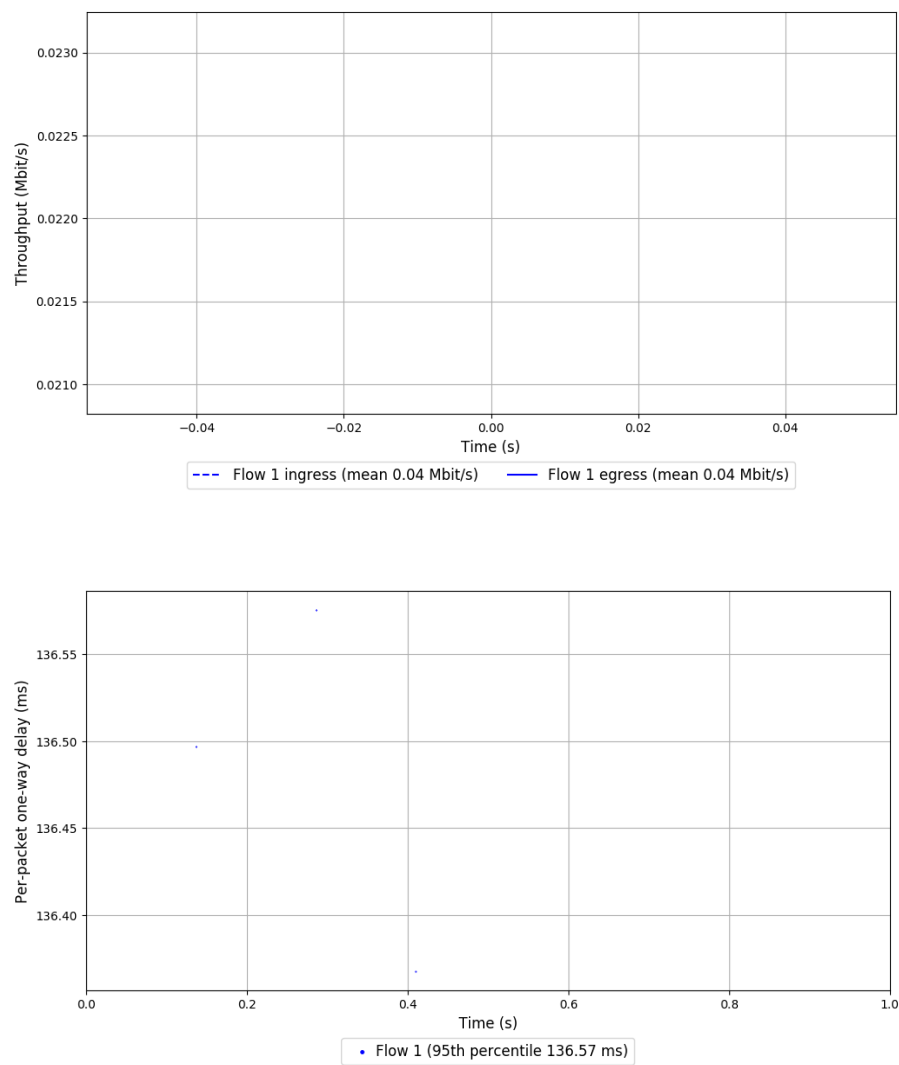


Run 2: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 19:15:13 +0000

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

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 19:26:40 +0000

End at: Sun, 06 Aug 2017 19:27:11 +0000

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.29 Mbit/s

95th percentile per-packet one-way delay: 136.400 ms

Loss rate: 0.02%

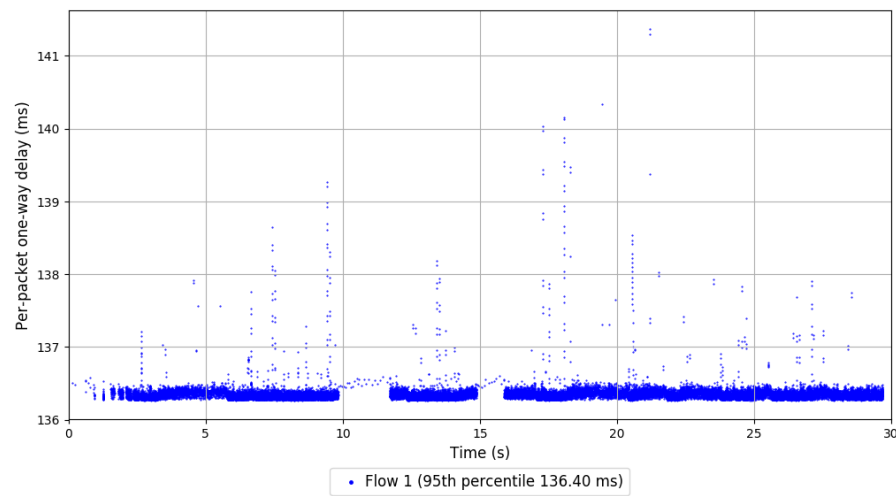
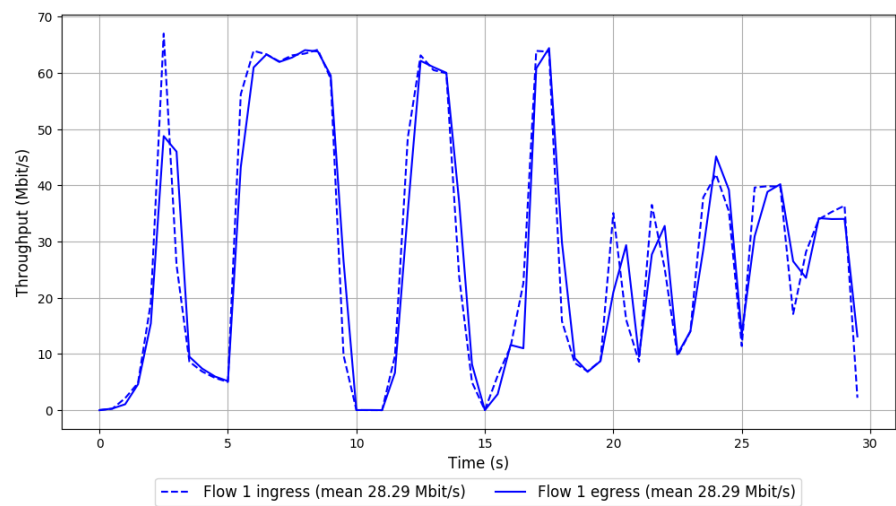
-- Flow 1:

Average throughput: 28.29 Mbit/s

95th percentile per-packet one-way delay: 136.400 ms

Loss rate: 0.02%

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 19:38:16 +0000

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

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.05 Mbit/s

95th percentile per-packet one-way delay: 135.379 ms

Loss rate: 0.05%

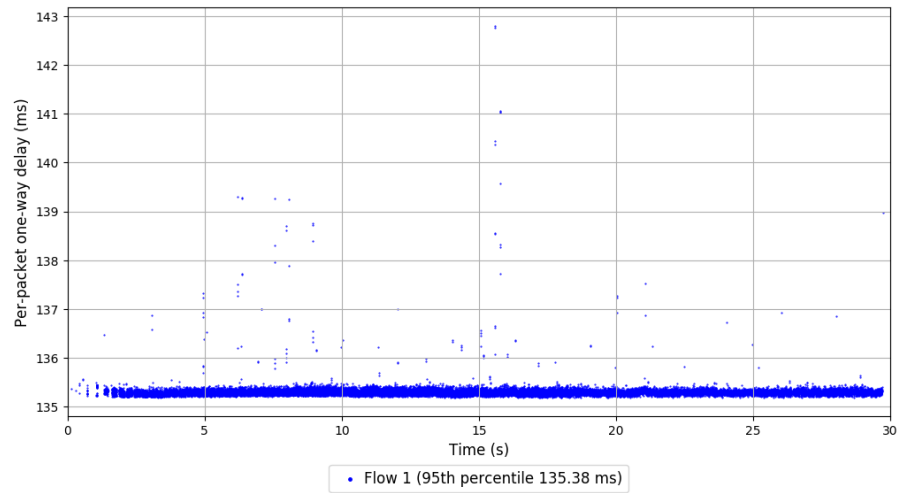
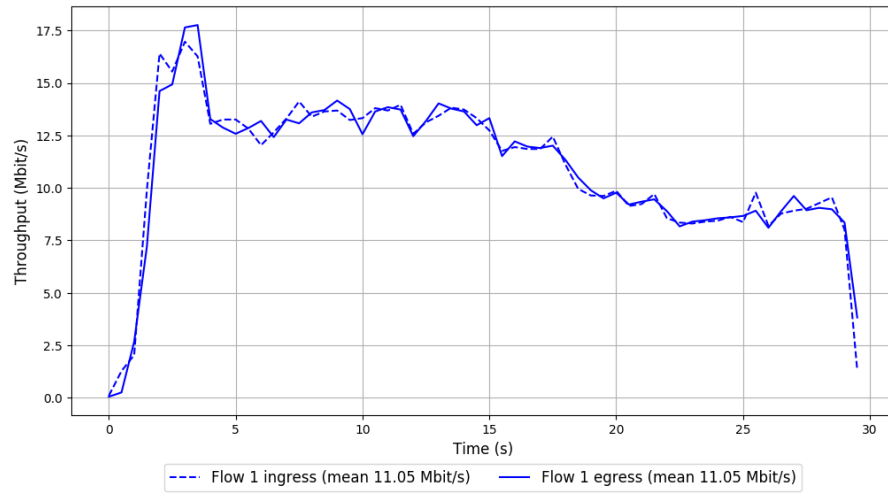
-- Flow 1:

Average throughput: 11.05 Mbit/s

95th percentile per-packet one-way delay: 135.379 ms

Loss rate: 0.05%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 19:50:08 +0000

End at: Sun, 06 Aug 2017 19:50:38 +0000

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.12 Mbit/s

95th percentile per-packet one-way delay: 136.035 ms

Loss rate: 0.00%

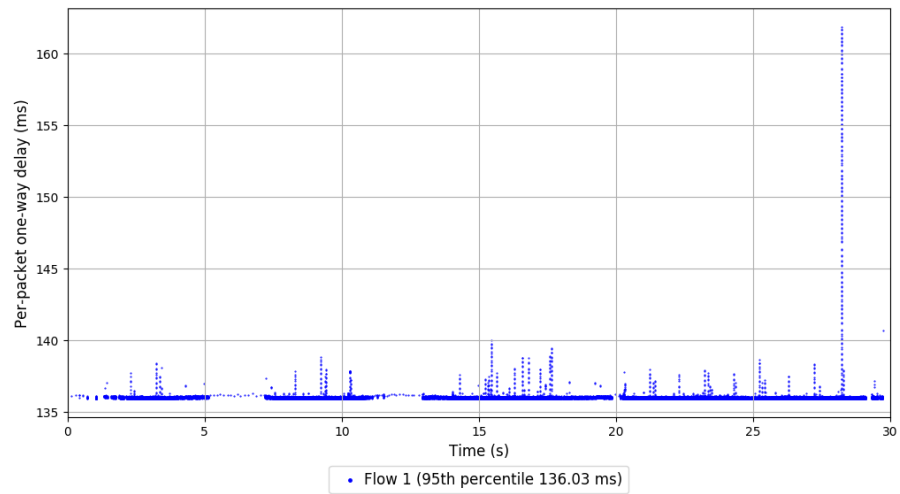
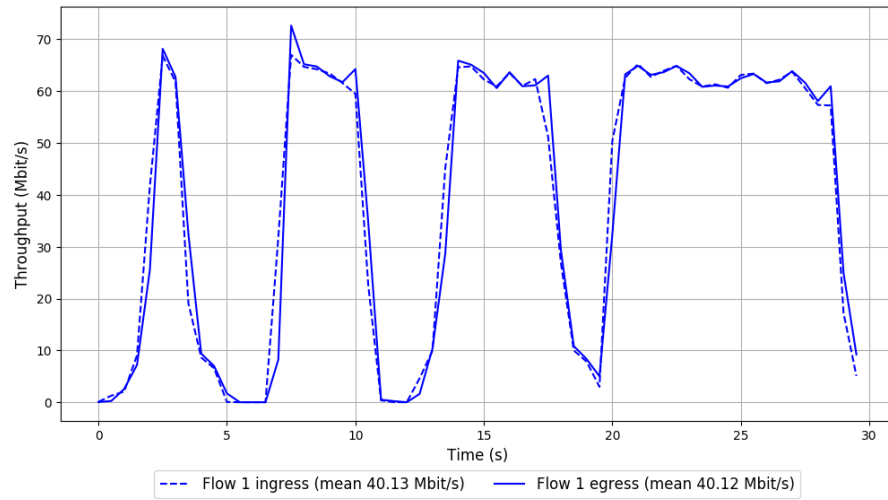
-- Flow 1:

Average throughput: 40.12 Mbit/s

95th percentile per-packet one-way delay: 136.035 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 20:01:09 +0000

End at: Sun, 06 Aug 2017 20:01:39 +0000

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.04 Mbit/s

95th percentile per-packet one-way delay: 135.757 ms

Loss rate: 0.00%

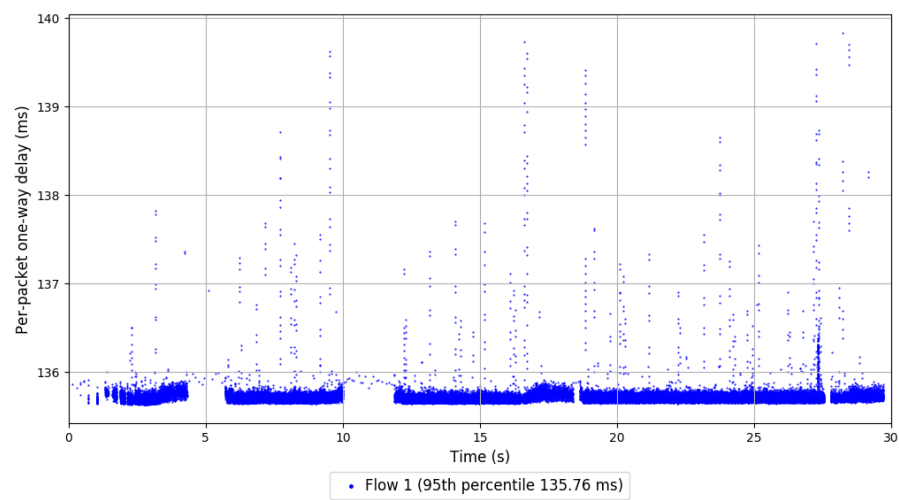
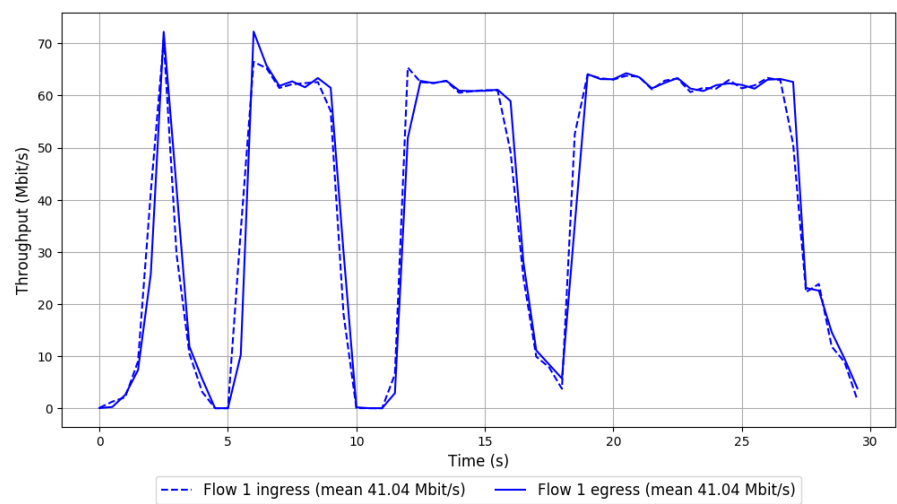
-- Flow 1:

Average throughput: 41.04 Mbit/s

95th percentile per-packet one-way delay: 135.757 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 20:12:38 +0000

End at: Sun, 06 Aug 2017 20:13:08 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:53:29 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 34.25 Mbit/s

95th percentile per-packet one-way delay: 135.297 ms

Loss rate: 0.01%

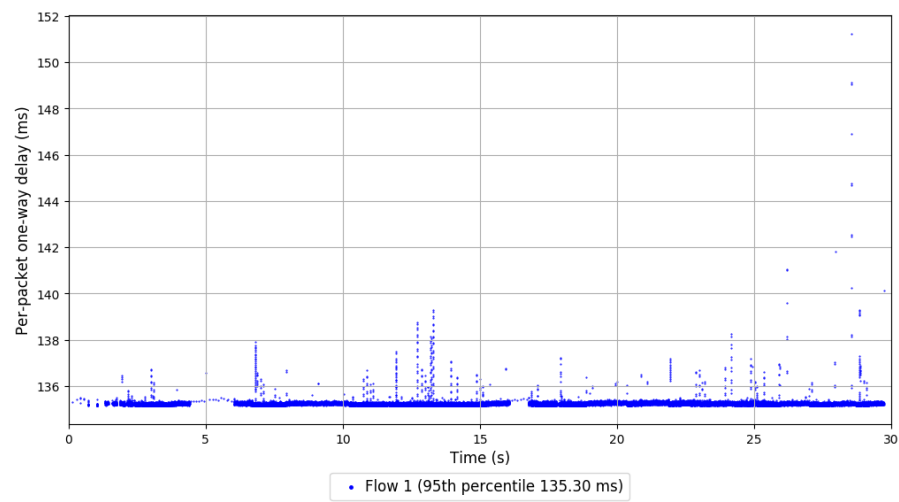
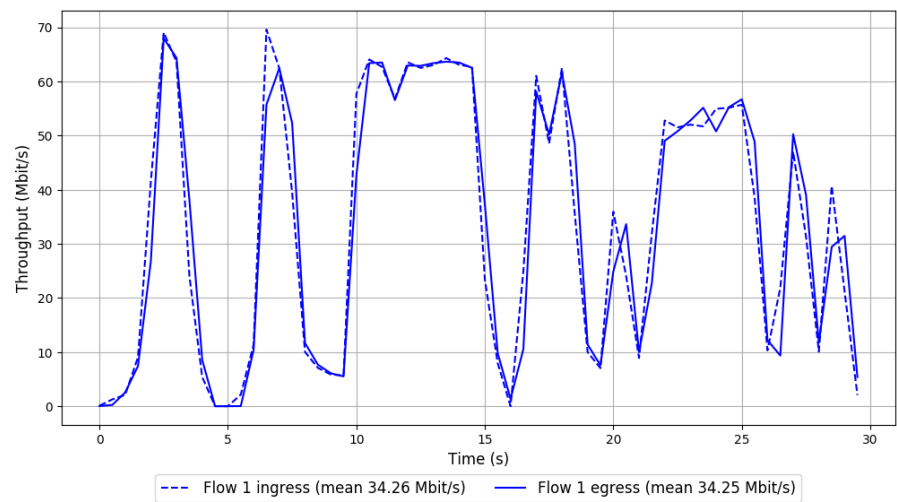
-- Flow 1:

Average throughput: 34.25 Mbit/s

95th percentile per-packet one-way delay: 135.297 ms

Loss rate: 0.01%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 20:24:02 +0000

End at: Sun, 06 Aug 2017 20:24:32 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:53:31 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 41.28 Mbit/s

95th percentile per-packet one-way delay: 136.493 ms

Loss rate: 0.00%

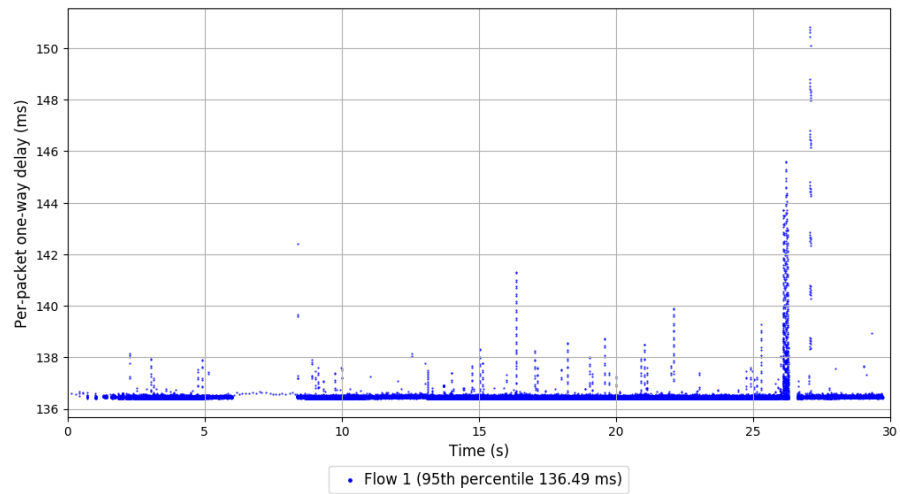
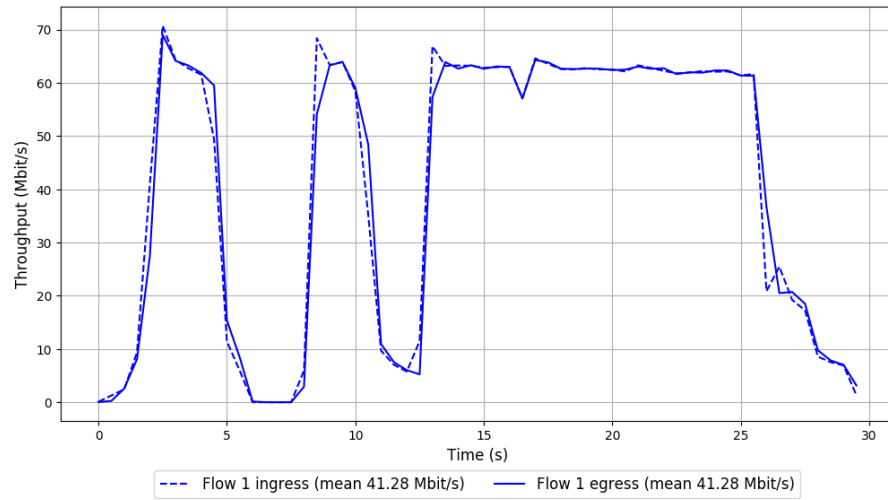
-- Flow 1:

Average throughput: 41.28 Mbit/s

95th percentile per-packet one-way delay: 136.493 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 20:35:15 +0000

End at: Sun, 06 Aug 2017 20:35:45 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:53:33 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.86 Mbit/s

95th percentile per-packet one-way delay: 135.346 ms

Loss rate: 0.03%

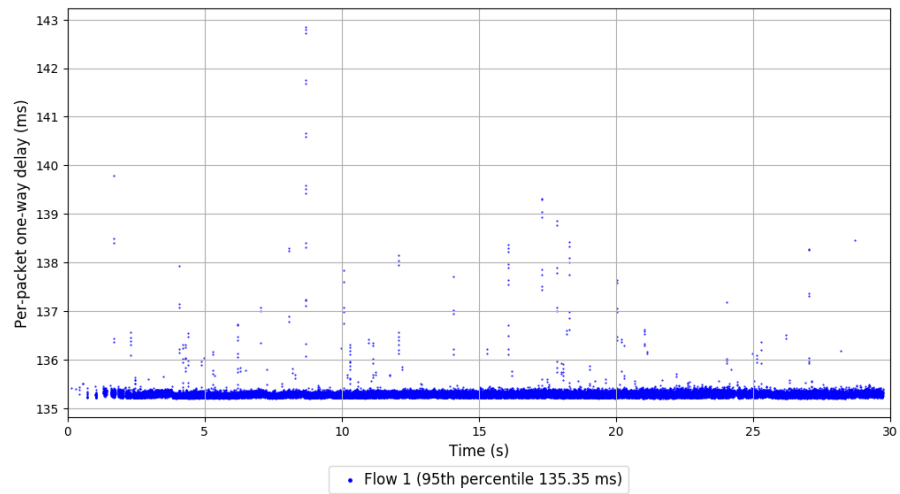
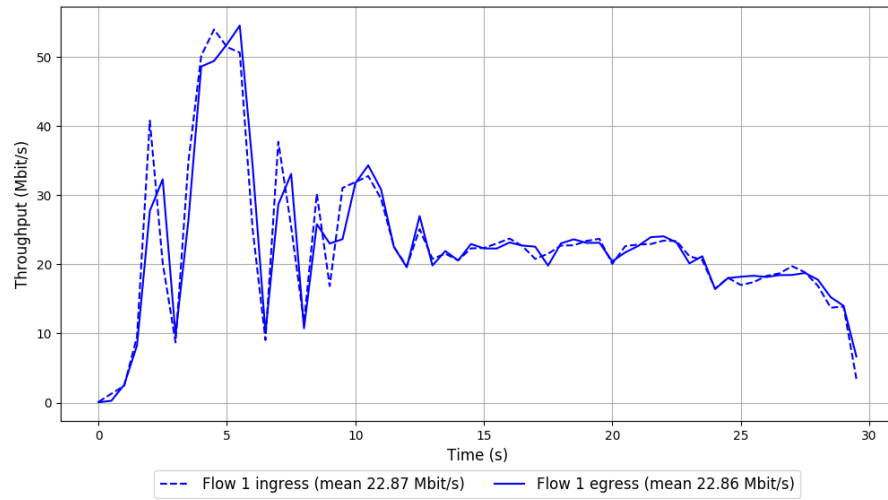
-- Flow 1:

Average throughput: 22.86 Mbit/s

95th percentile per-packet one-way delay: 135.346 ms

Loss rate: 0.03%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 20:46:29 +0000

End at: Sun, 06 Aug 2017 20:46:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:53:43 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 42.84 Mbit/s

95th percentile per-packet one-way delay: 136.159 ms

Loss rate: 0.00%

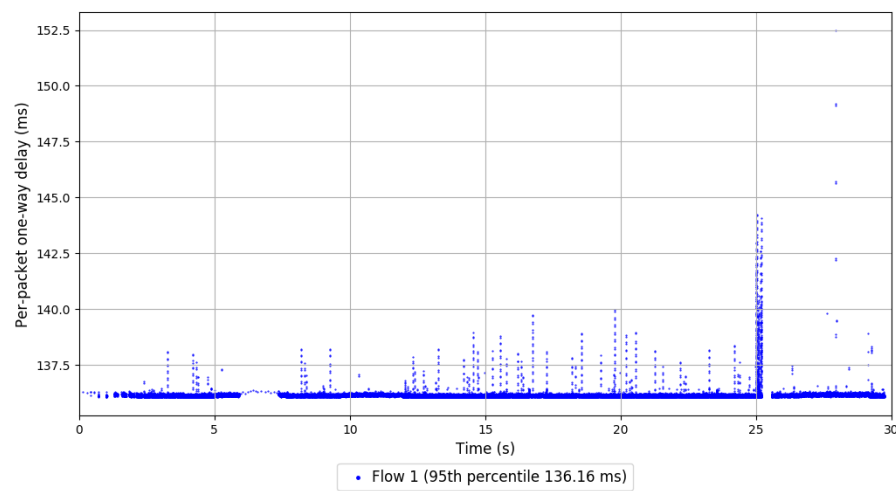
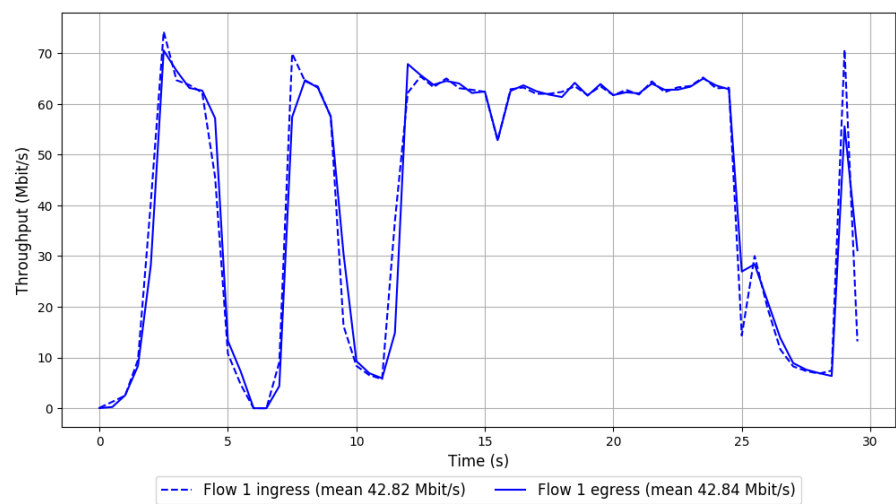
-- Flow 1:

Average throughput: 42.84 Mbit/s

95th percentile per-packet one-way delay: 136.159 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Sun, 06 Aug 2017 18:56:52 +0000

End at: Sun, 06 Aug 2017 18:57:22 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:53:43 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.52 Mbit/s

95th percentile per-packet one-way delay: 137.278 ms

Loss rate: 0.62%

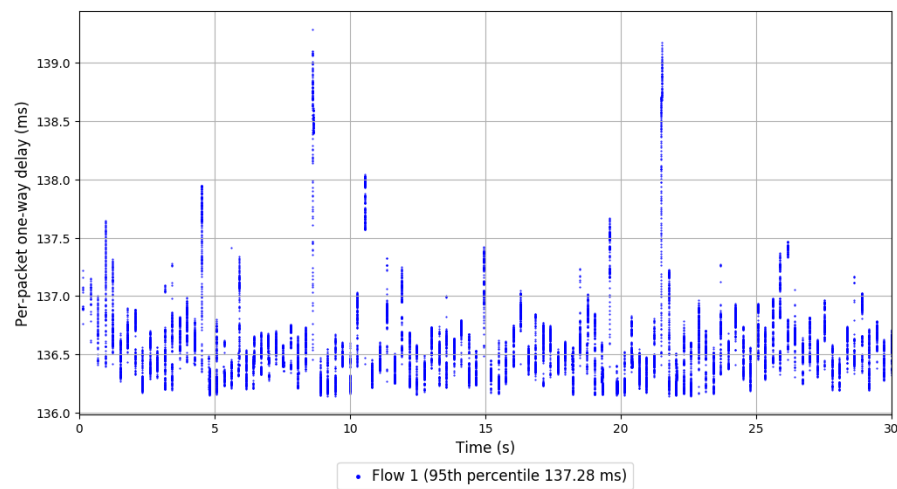
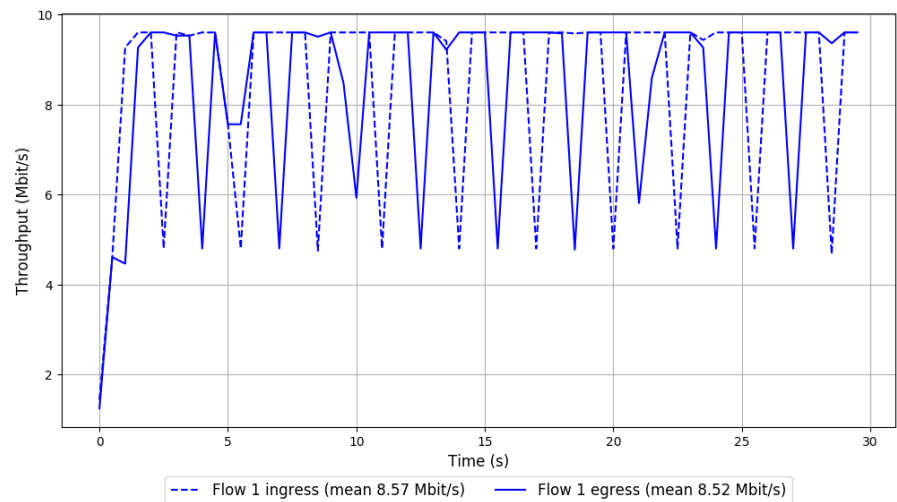
-- Flow 1:

Average throughput: 8.52 Mbit/s

95th percentile per-packet one-way delay: 137.278 ms

Loss rate: 0.62%

Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Sun, 06 Aug 2017 19:08:29 +0000

End at: Sun, 06 Aug 2017 19:08:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:53:43 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 137.399 ms

Loss rate: 48.34%

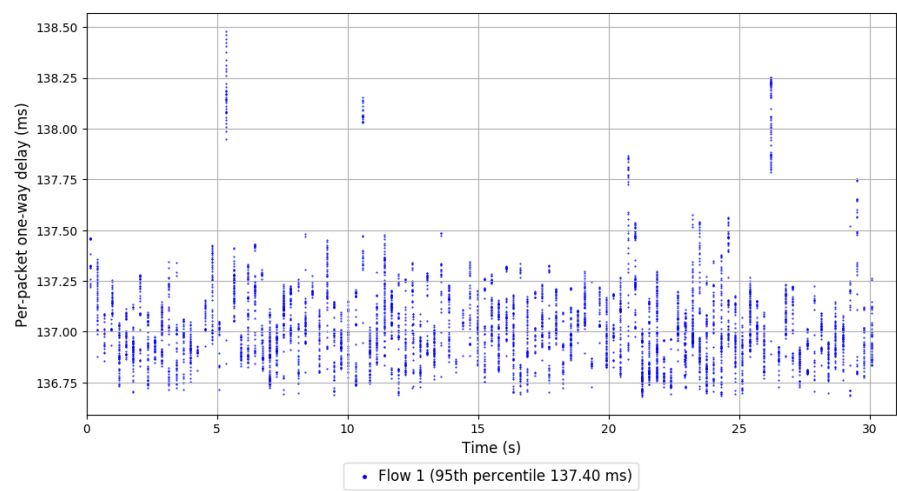
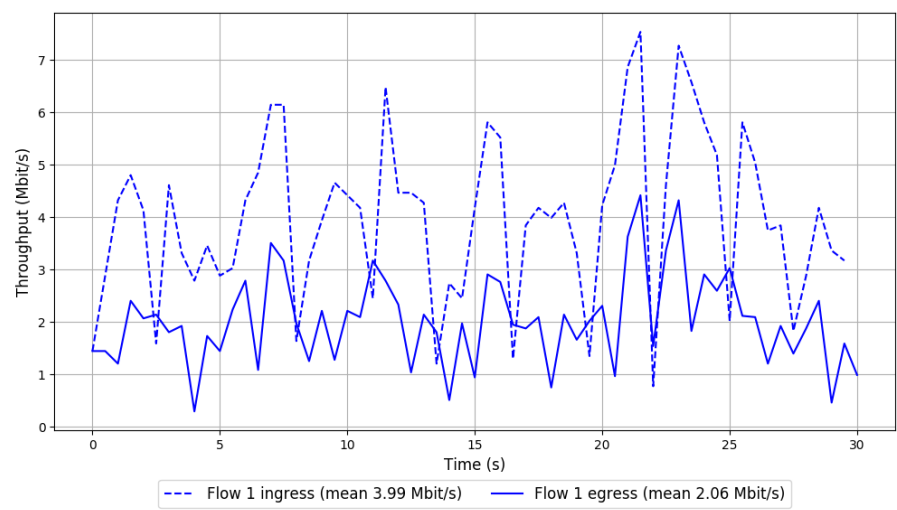
-- Flow 1:

Average throughput: 2.06 Mbit/s

95th percentile per-packet one-way delay: 137.399 ms

Loss rate: 48.34%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Sun, 06 Aug 2017 19:20:17 +0000

End at: Sun, 06 Aug 2017 19:20:47 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:53:43 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.46 Mbit/s

95th percentile per-packet one-way delay: 137.458 ms

Loss rate: 1.24%

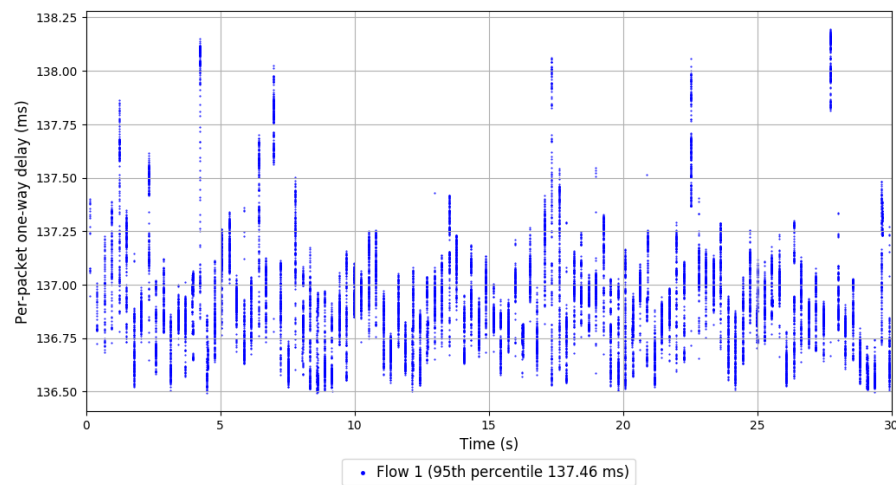
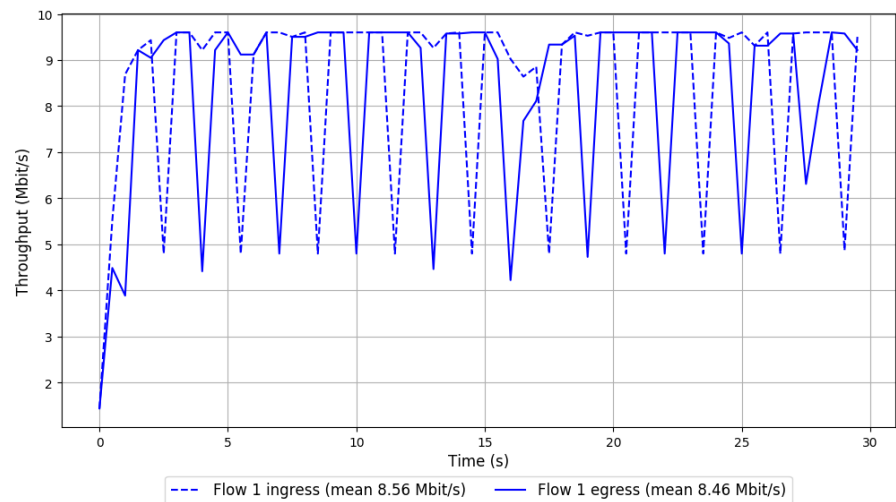
-- Flow 1:

Average throughput: 8.46 Mbit/s

95th percentile per-packet one-way delay: 137.458 ms

Loss rate: 1.24%

Run 3: Report of Saturator — Data Link

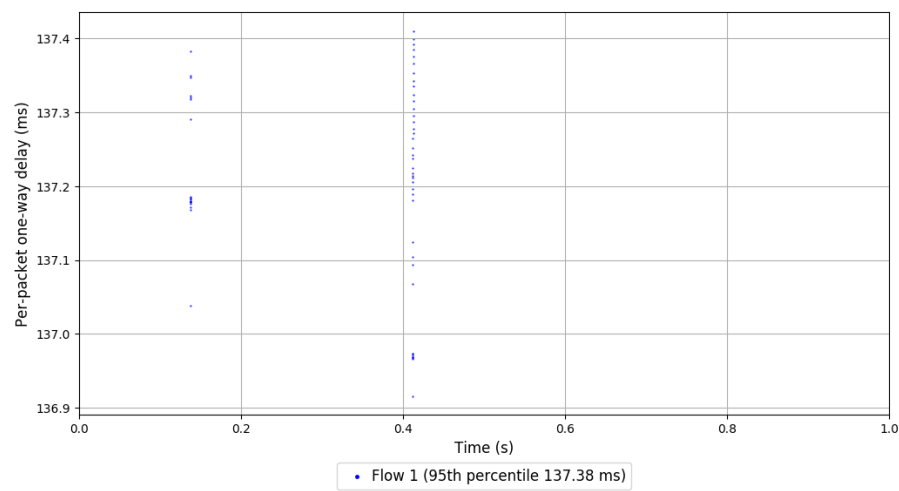
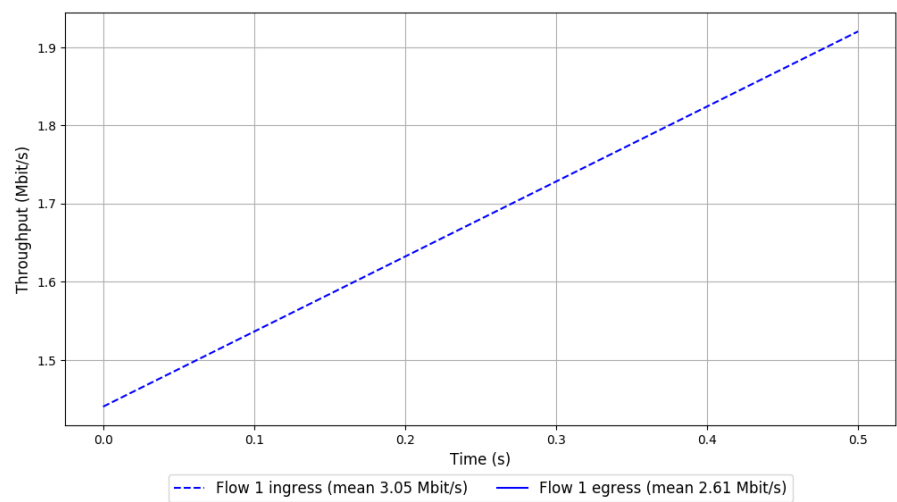


Run 4: Statistics of Saturator

Start at: Sun, 06 Aug 2017 19:31:53 +0000

End at: Sun, 06 Aug 2017 19:32:23 +0000

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

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

End at: Sun, 06 Aug 2017 19:43:49 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:53:47 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.33 Mbit/s

95th percentile per-packet one-way delay: 136.218 ms

Loss rate: 2.14%

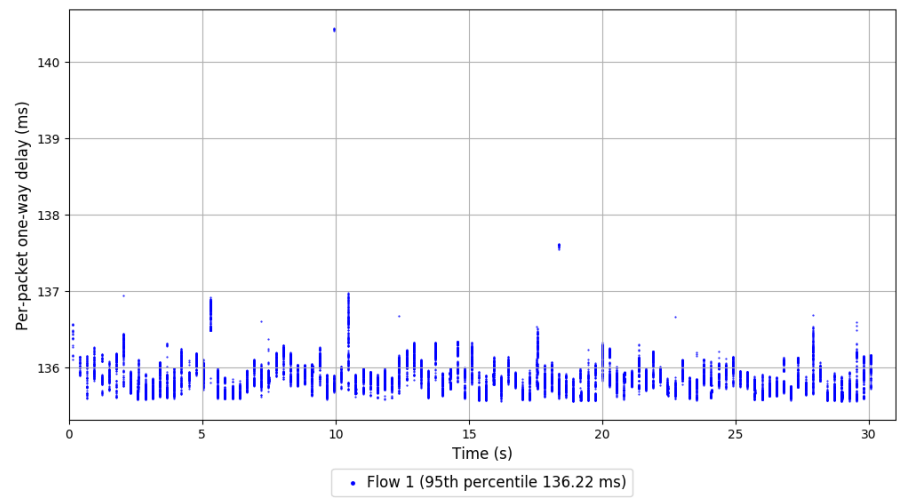
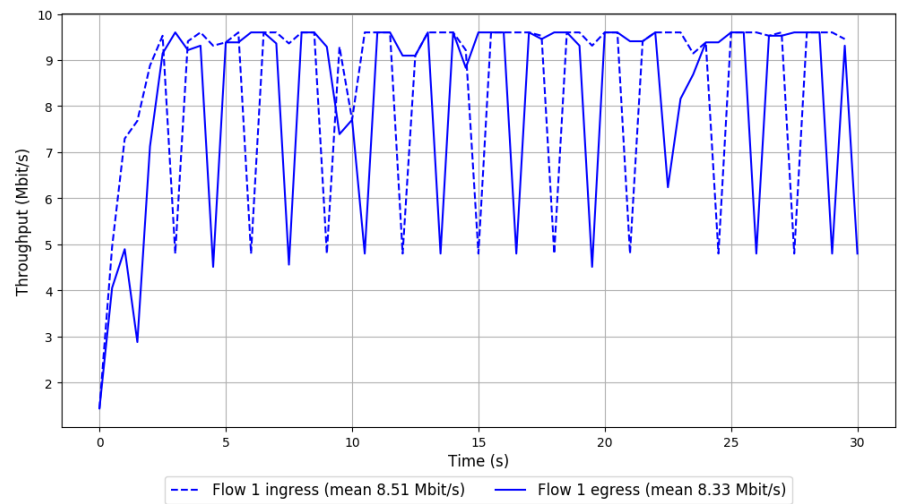
-- Flow 1:

Average throughput: 8.33 Mbit/s

95th percentile per-packet one-way delay: 136.218 ms

Loss rate: 2.14%

Run 5: Report of Saturator — Data Link

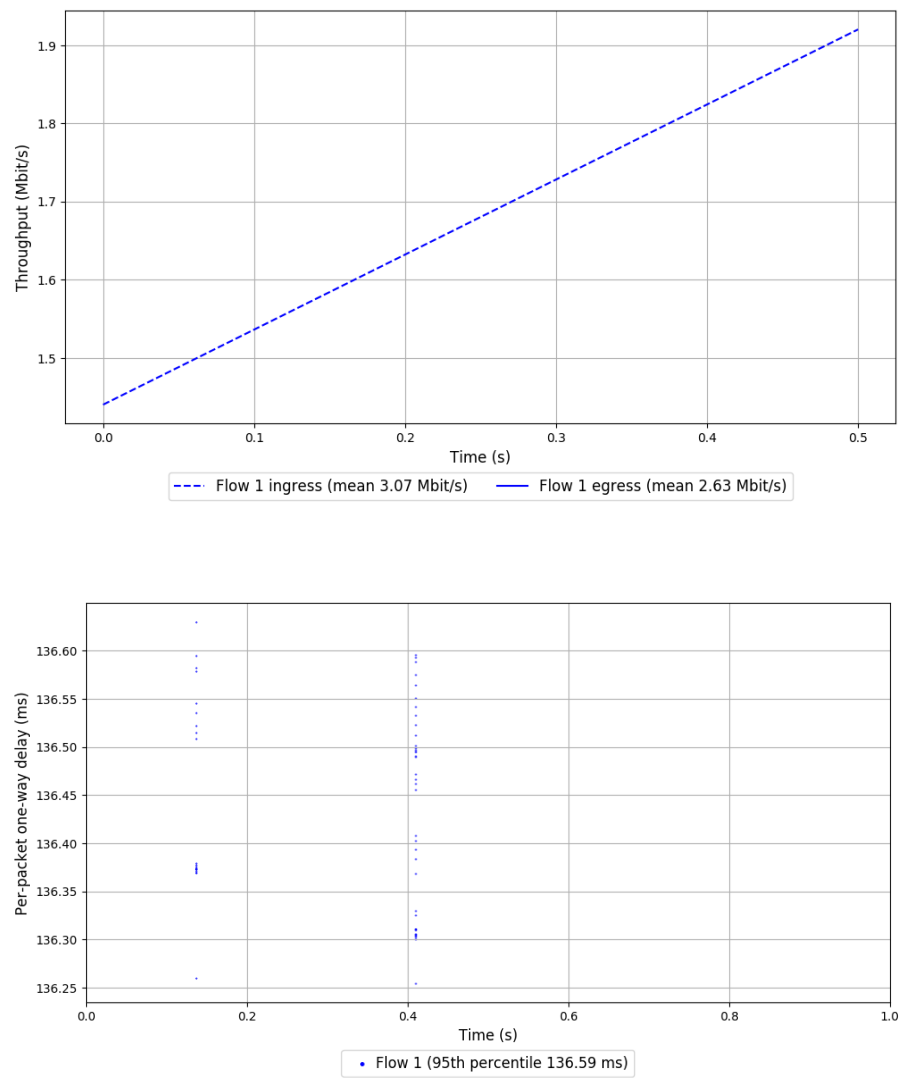


Run 6: Statistics of Saturator

Start at: Sun, 06 Aug 2017 19:54:40 +0000

End at: Sun, 06 Aug 2017 19:55:10 +0000

Run 6: Report of Saturator — Data Link

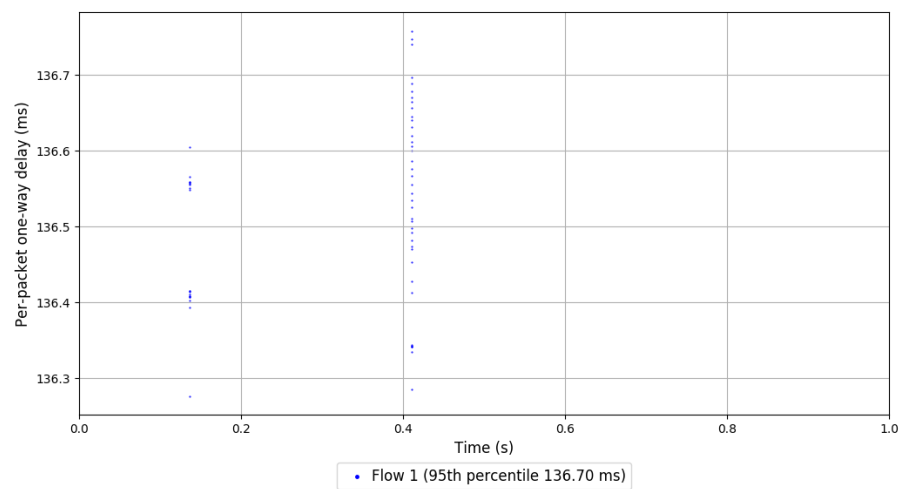
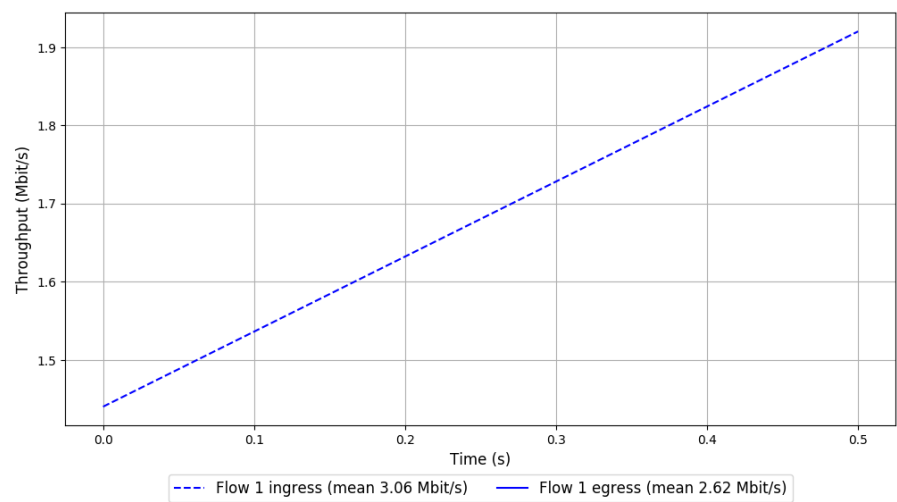


Run 7: Statistics of Saturator

Start at: Sun, 06 Aug 2017 20:05:59 +0000

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

Run 7: Report of Saturator — Data Link

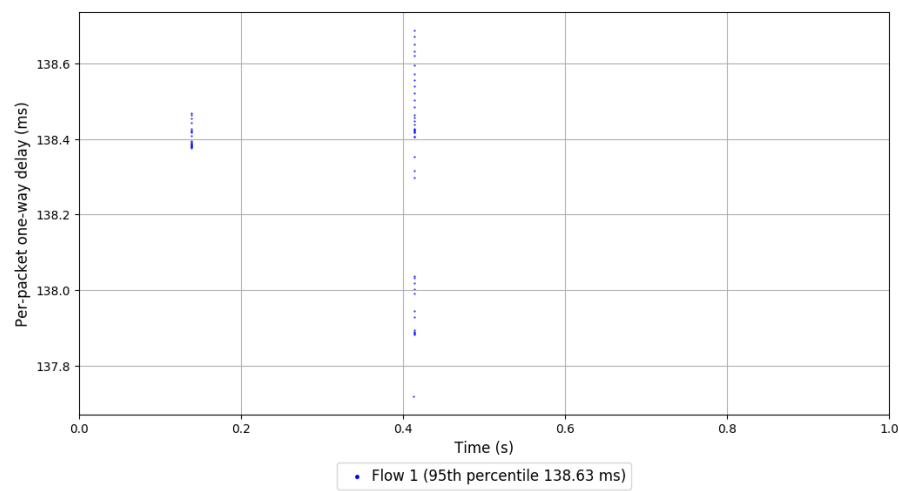
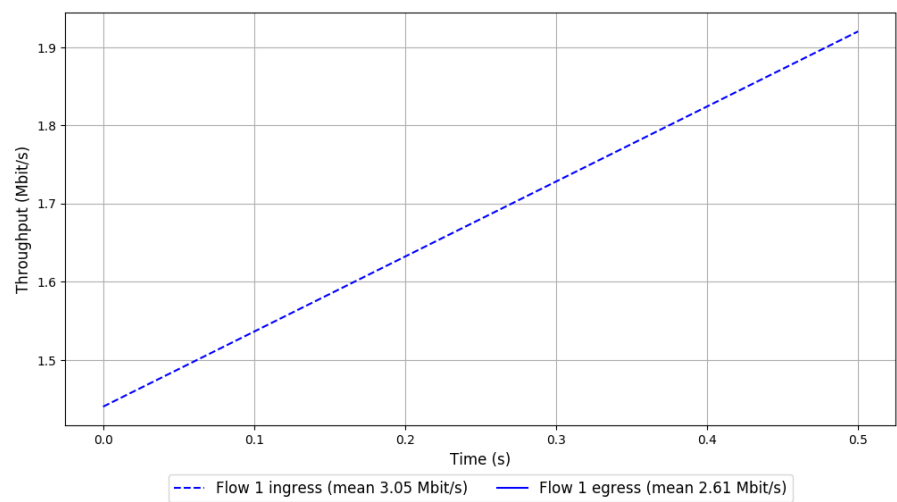


Run 8: Statistics of Saturator

Start at: Sun, 06 Aug 2017 20:17:29 +0000

End at: Sun, 06 Aug 2017 20:17:59 +0000

Run 8: Report of Saturator — Data Link

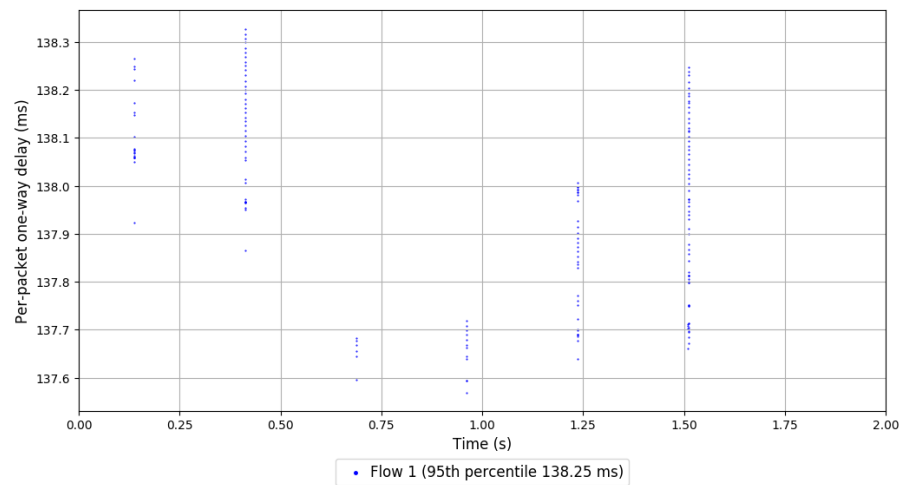
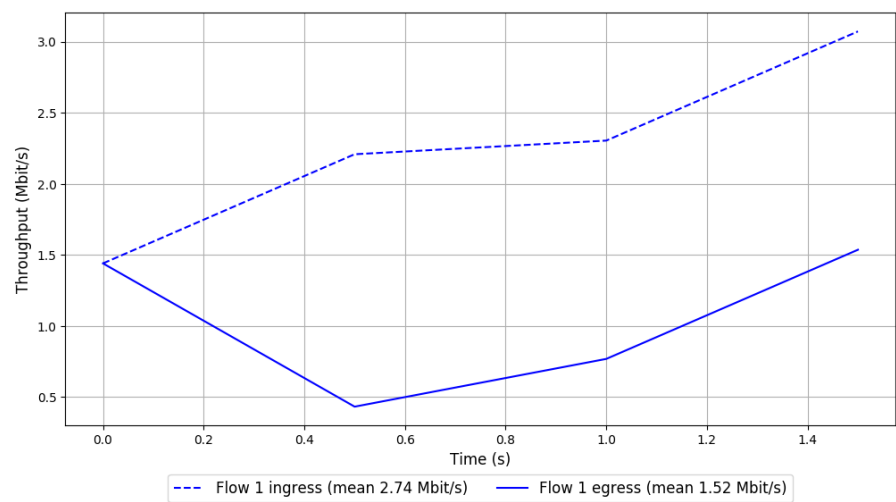


Run 9: Statistics of Saturator

Start at: Sun, 06 Aug 2017 20:28:30 +0000

End at: Sun, 06 Aug 2017 20:29:00 +0000

Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Sun, 06 Aug 2017 20:39:51 +0000

End at: Sun, 06 Aug 2017 20:40:21 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:53:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.64 Mbit/s

95th percentile per-packet one-way delay: 136.992 ms

Loss rate: 0.06%

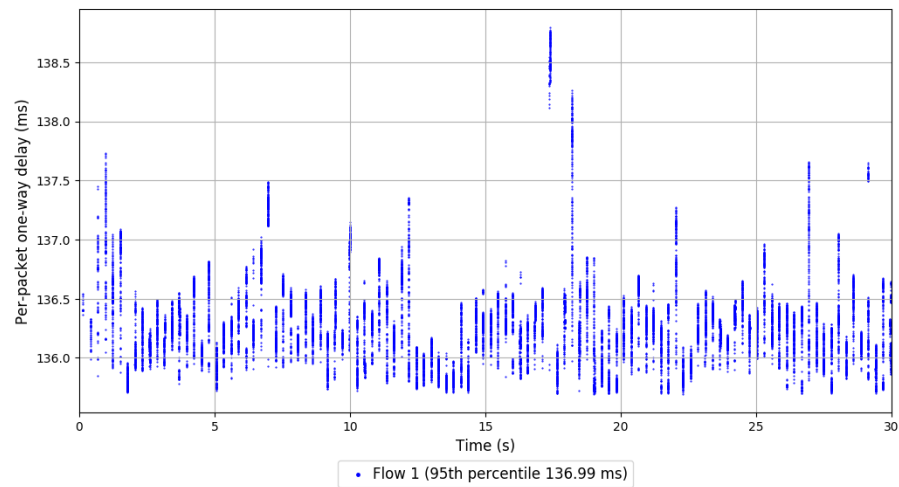
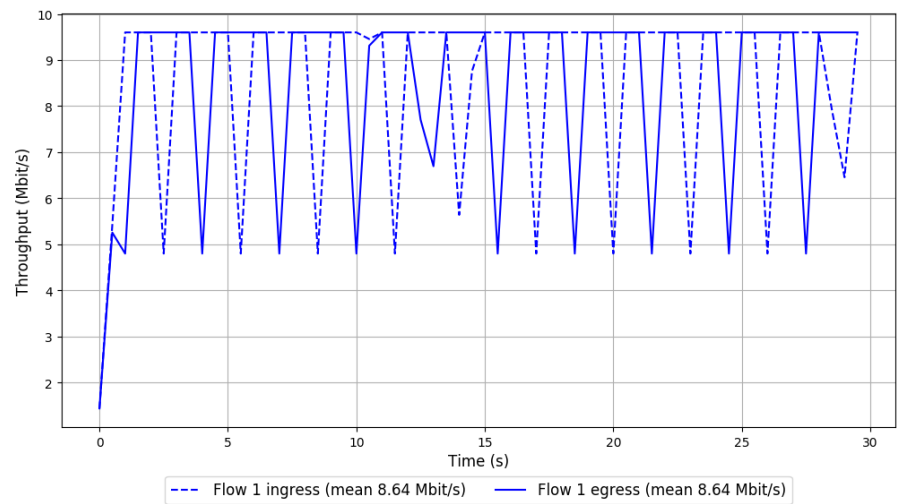
-- Flow 1:

Average throughput: 8.64 Mbit/s

95th percentile per-packet one-way delay: 136.992 ms

Loss rate: 0.06%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 18:59:43 +0000

End at: Sun, 06 Aug 2017 19:00:13 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:53:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.679 ms

Loss rate: 0.00%

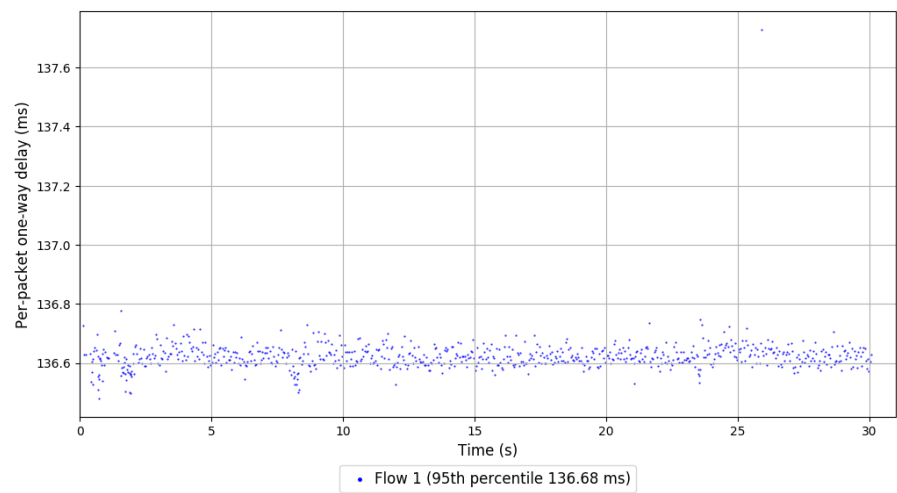
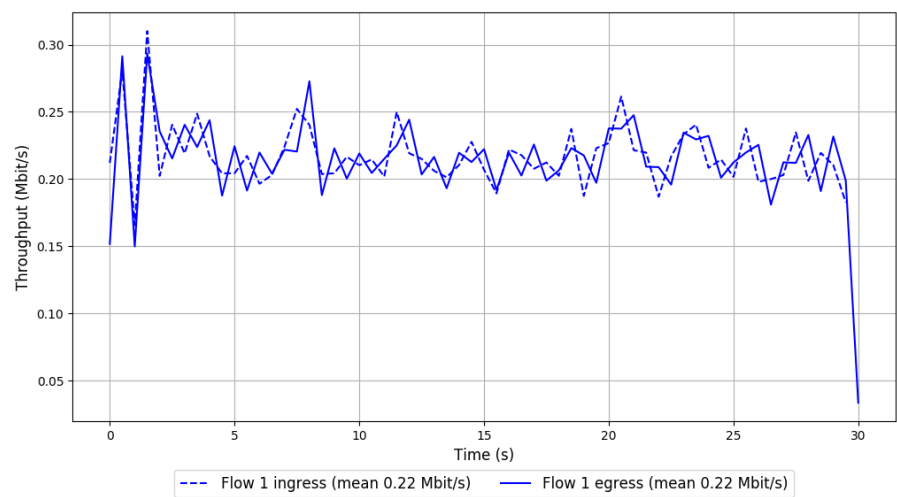
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.679 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 19:11:18 +0000

End at: Sun, 06 Aug 2017 19:11:48 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:53:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.131 ms

Loss rate: 0.00%

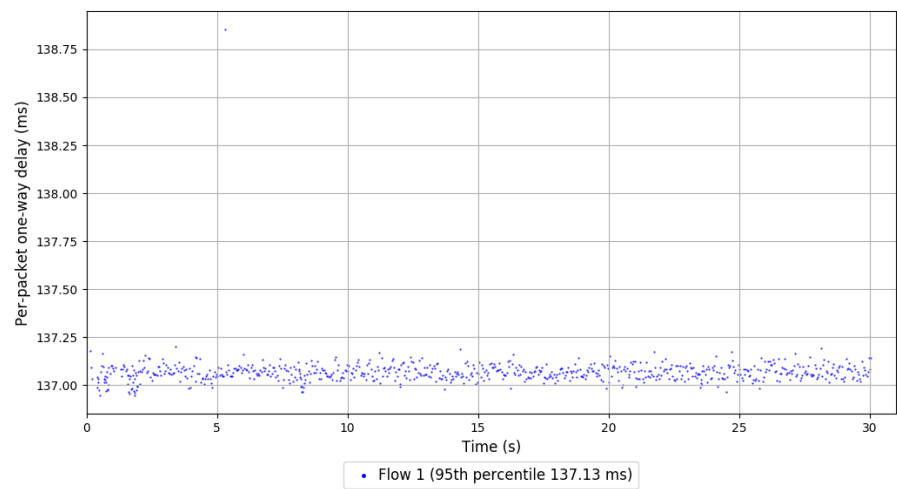
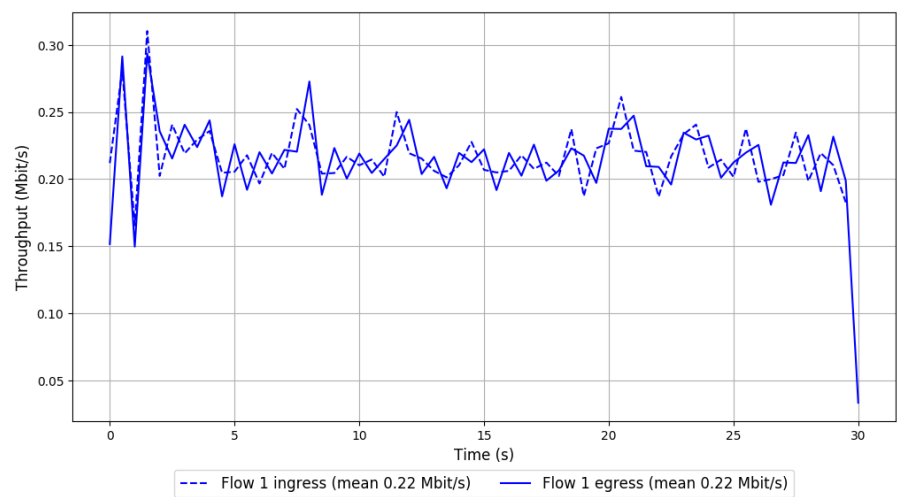
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.131 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 19:23:07 +0000

End at: Sun, 06 Aug 2017 19:23:37 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:53:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.941 ms

Loss rate: 0.00%

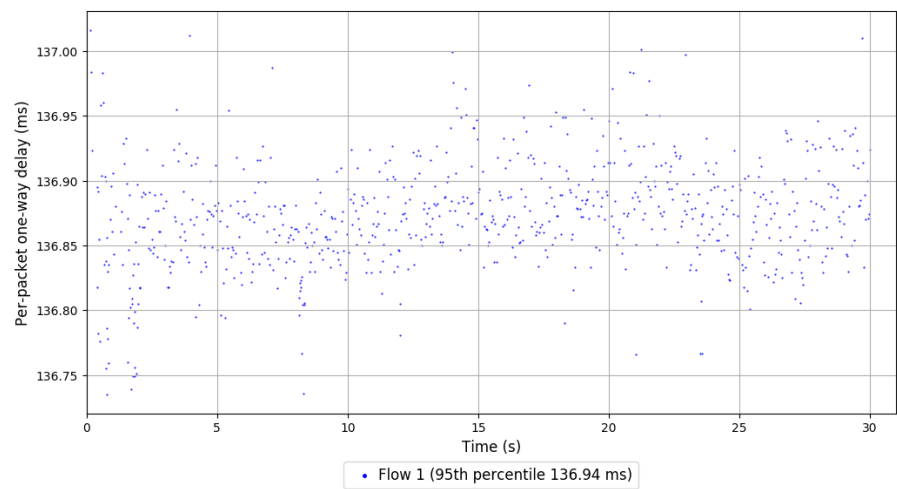
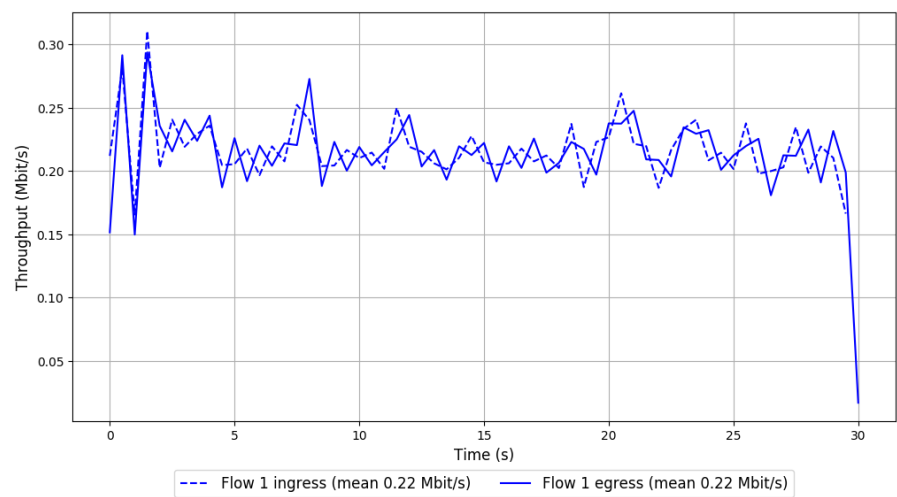
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.941 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 19:34:42 +0000

End at: Sun, 06 Aug 2017 19:35:12 +0000

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.825 ms

Loss rate: 0.00%

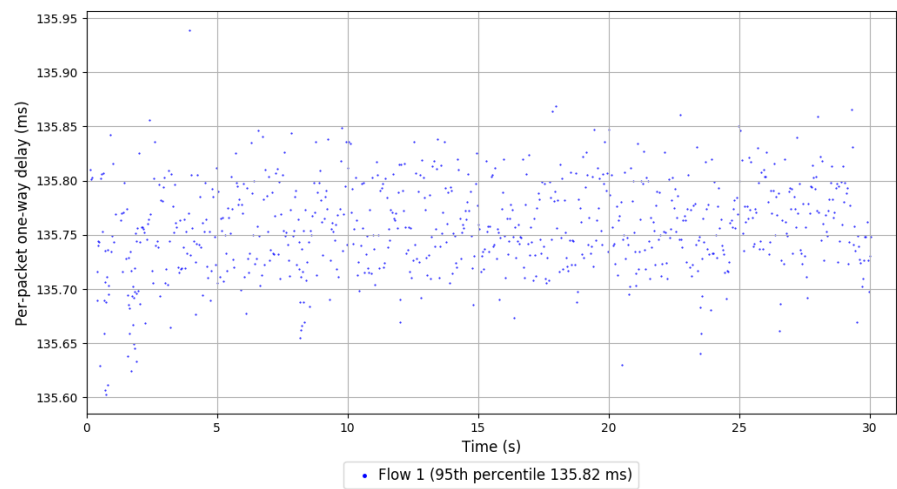
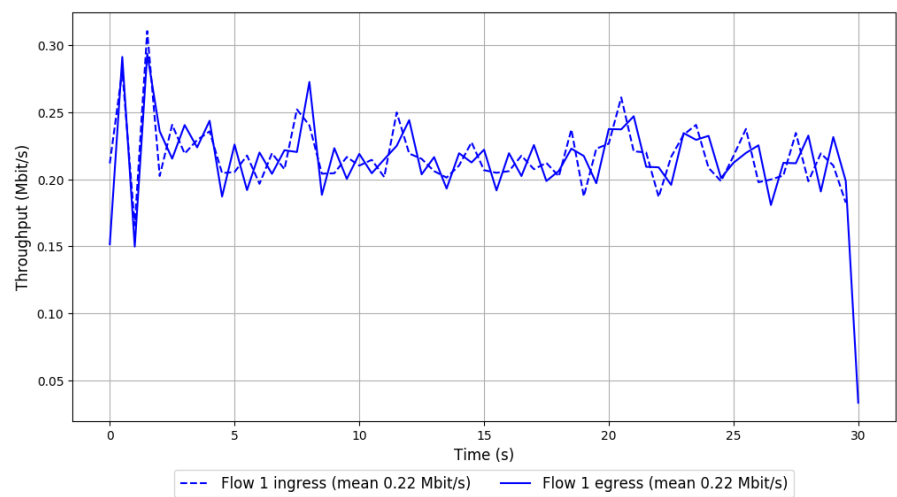
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.825 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 19:46:11 +0000

End at: Sun, 06 Aug 2017 19:46:41 +0000

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.830 ms

Loss rate: 0.00%

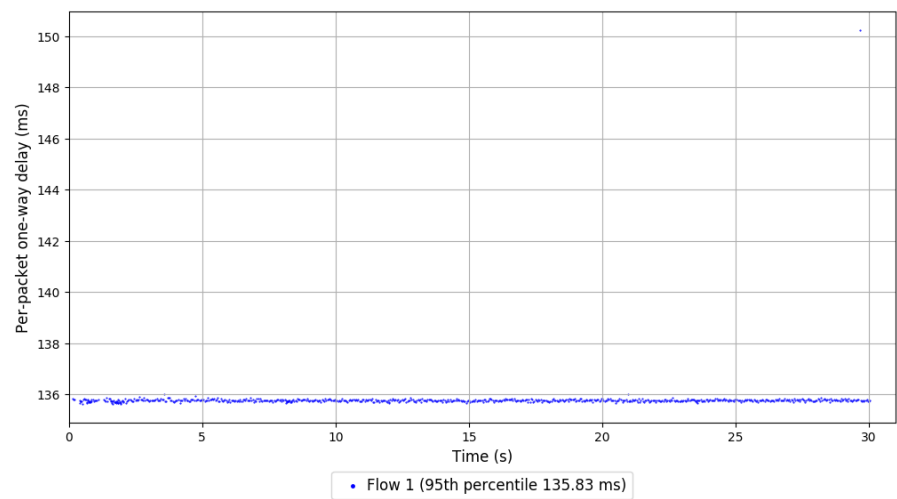
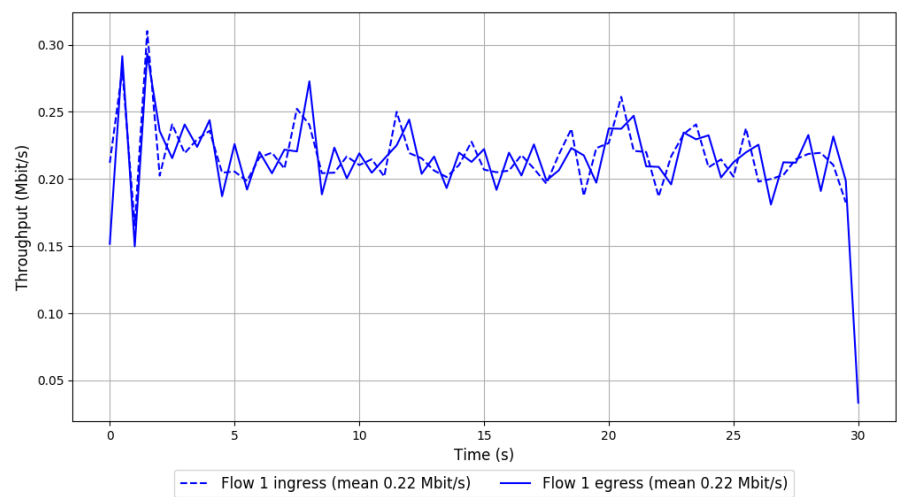
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.830 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 19:57:28 +0000

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

Below is generated by plot.py at Sun, 06 Aug 2017 21:53:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 135.407 ms

Loss rate: 0.13%

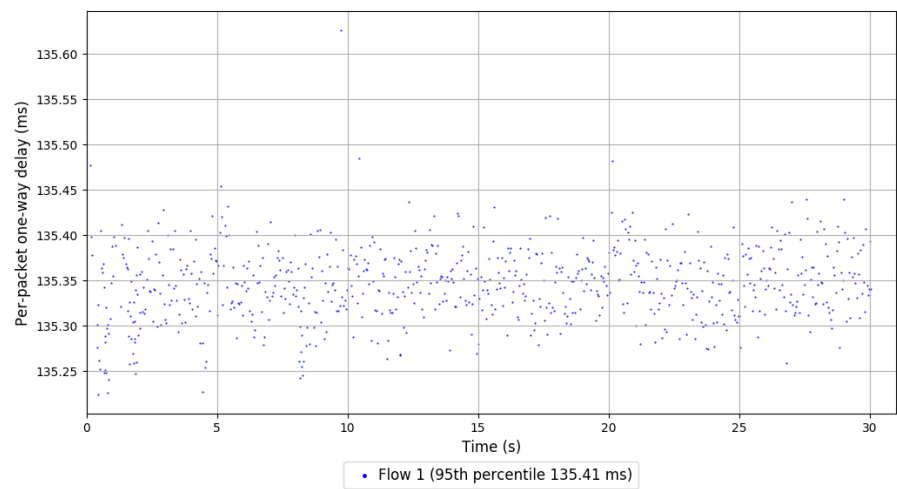
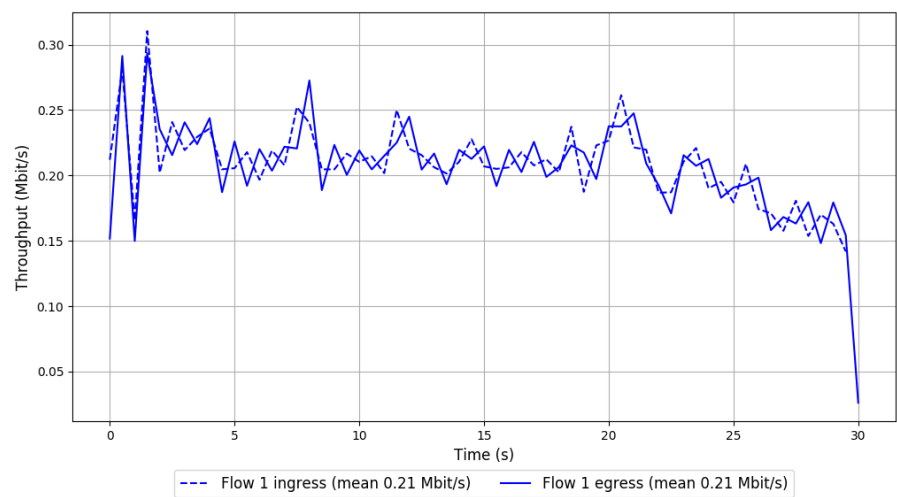
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 135.407 ms

Loss rate: 0.13%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 20:08:48 +0000

End at: Sun, 06 Aug 2017 20:09:18 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:53:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.124 ms

Loss rate: 0.00%

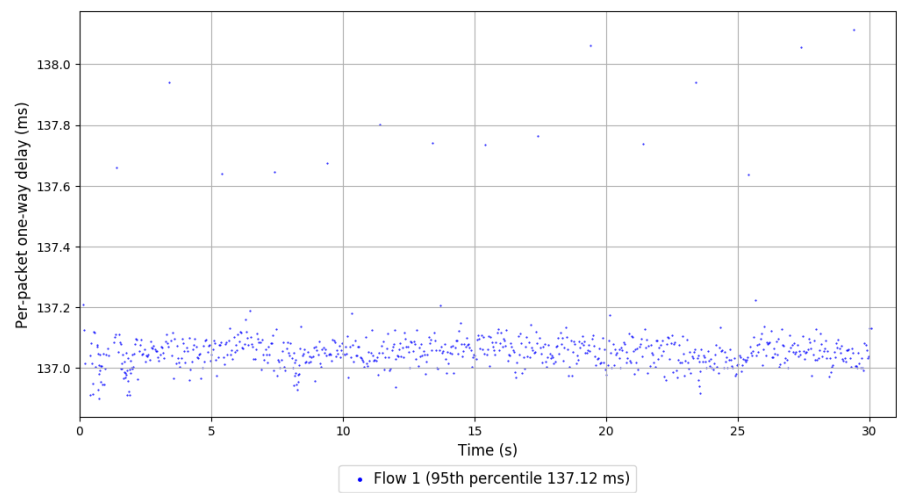
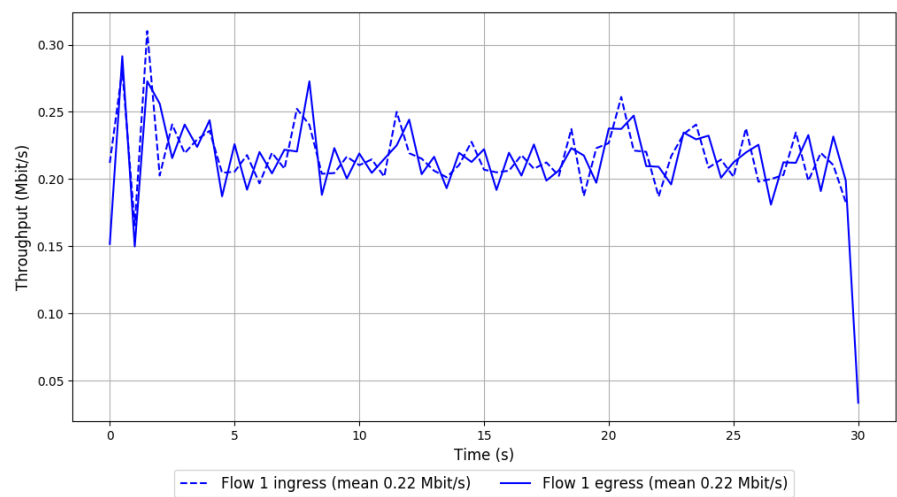
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.124 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

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

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

Below is generated by plot.py at Sun, 06 Aug 2017 21:53:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.500 ms

Loss rate: 0.00%

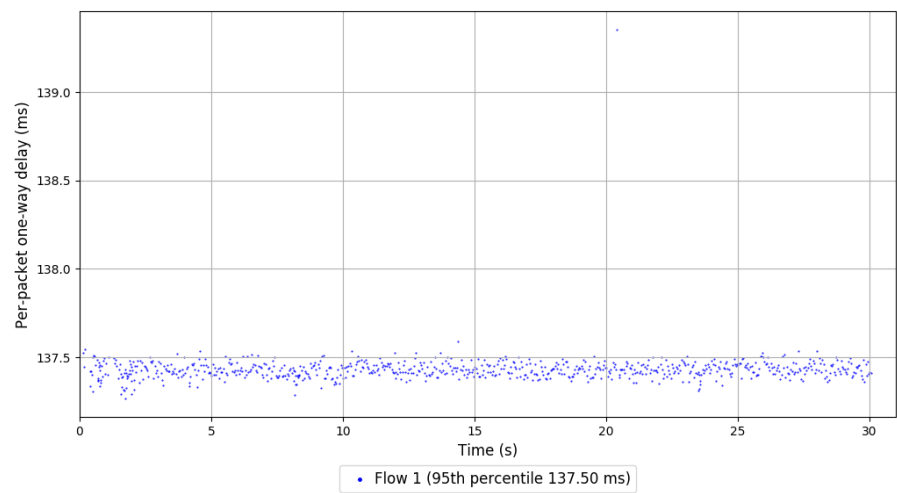
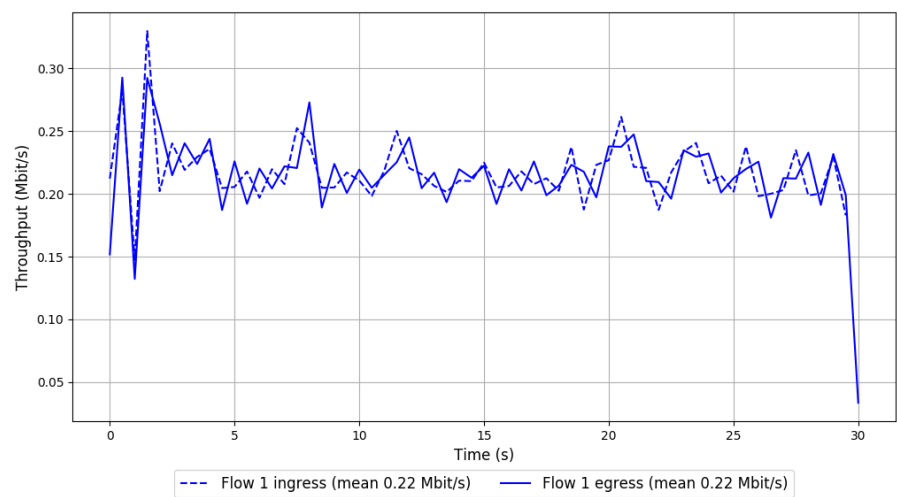
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.500 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 20:31:19 +0000

End at: Sun, 06 Aug 2017 20:31:49 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:53:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.500 ms

Loss rate: 0.00%

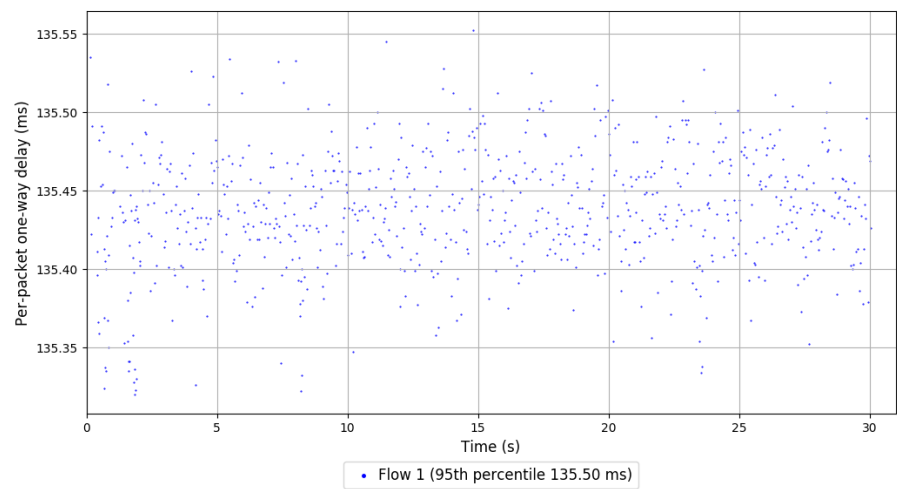
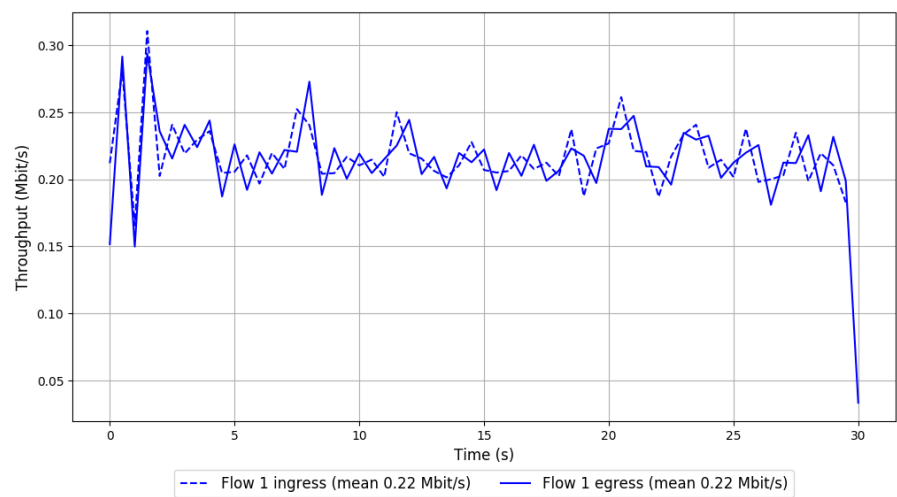
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 135.500 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: Sun, 06 Aug 2017 20:42:44 +0000

End at: Sun, 06 Aug 2017 20:43:14 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:53:57 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.344 ms

Loss rate: 0.00%

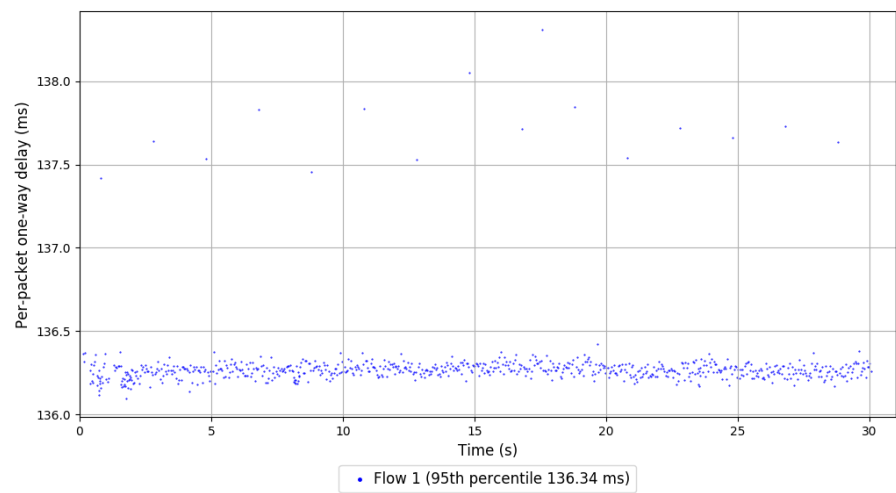
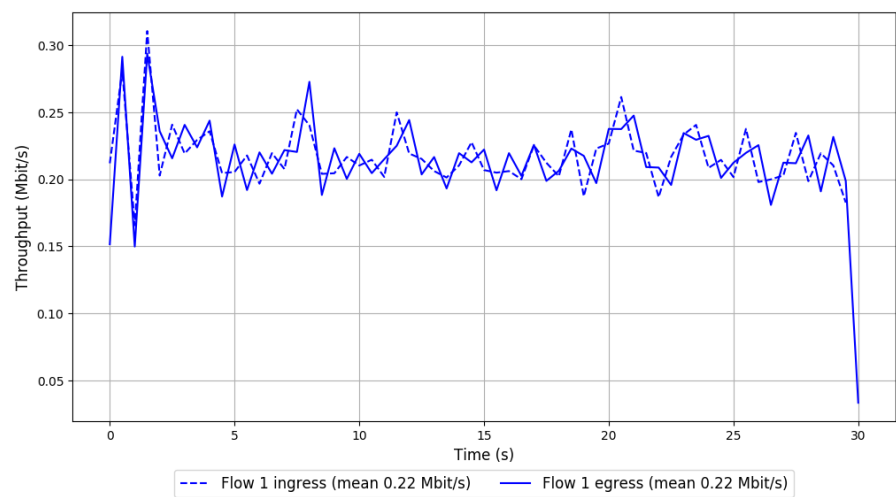
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 136.344 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Sun, 06 Aug 2017 18:57:36 +0000

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

Below is generated by plot.py at Sun, 06 Aug 2017 21:53:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 136.709 ms

Loss rate: 0.00%

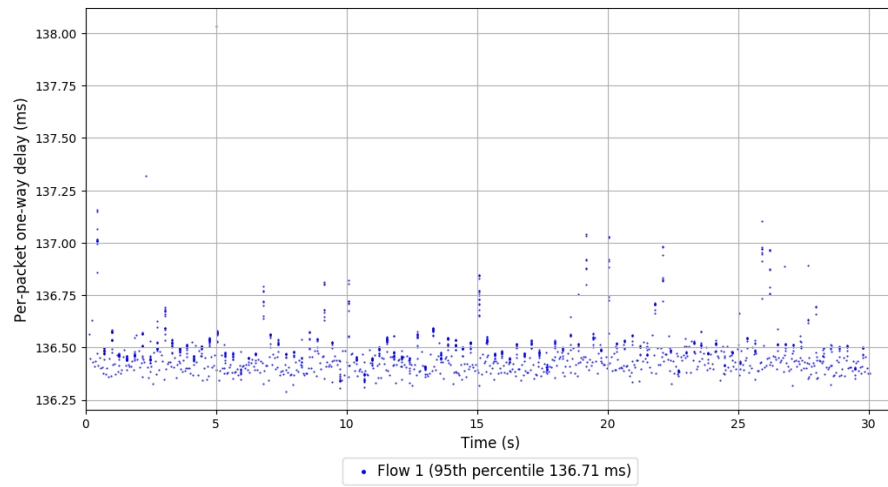
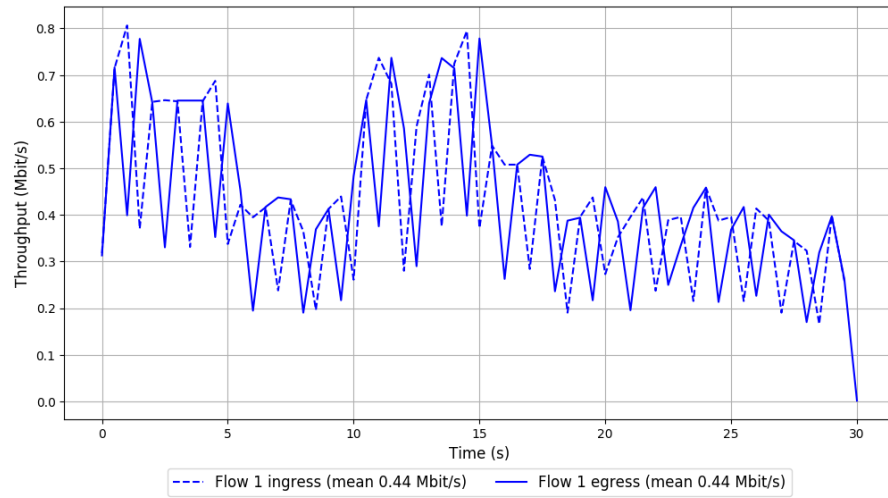
-- Flow 1:

Average throughput: 0.44 Mbit/s

95th percentile per-packet one-way delay: 136.709 ms

Loss rate: 0.00%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

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

End at: Sun, 06 Aug 2017 19:09:41 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:53:59 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 137.652 ms

Loss rate: 0.00%

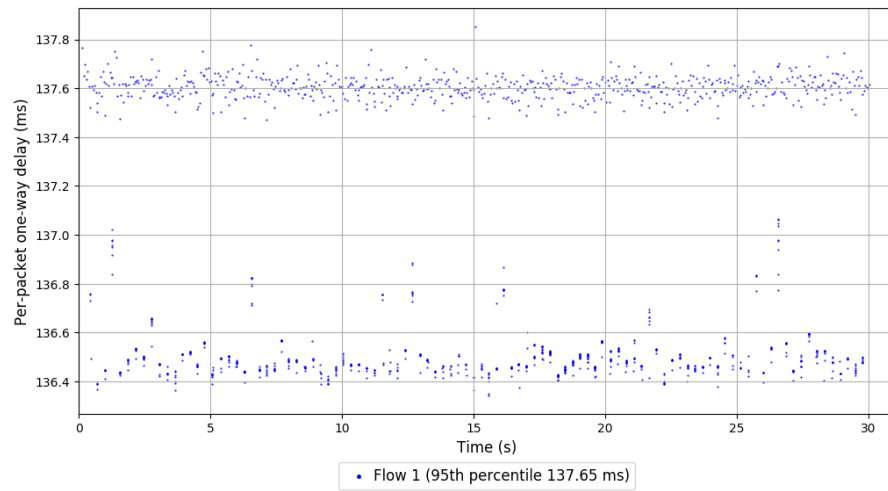
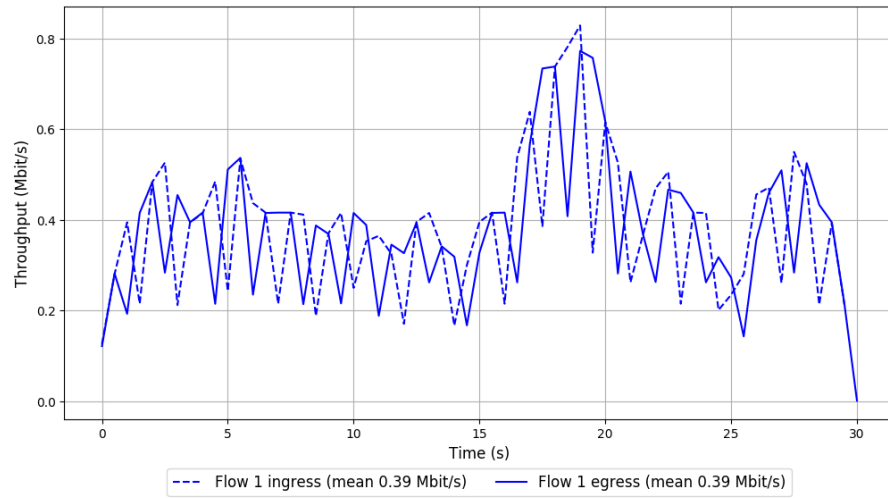
-- Flow 1:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 137.652 ms

Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

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 21:53:59 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 137.224 ms

Loss rate: 0.00%

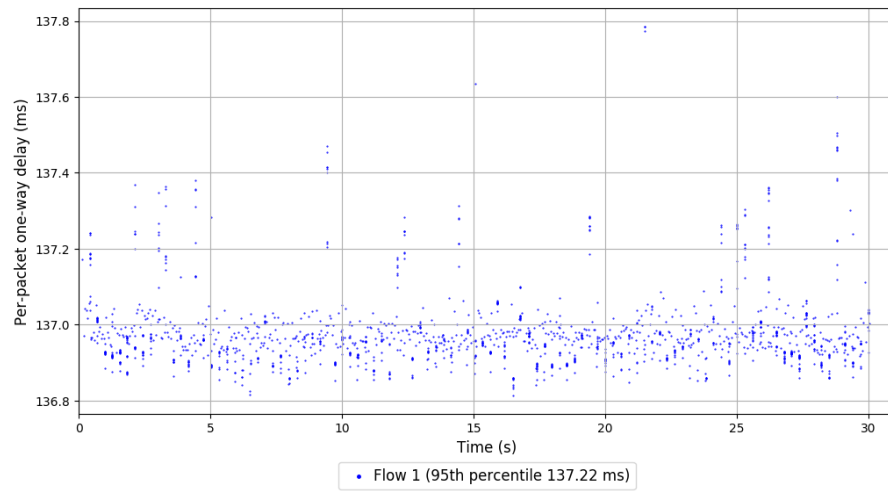
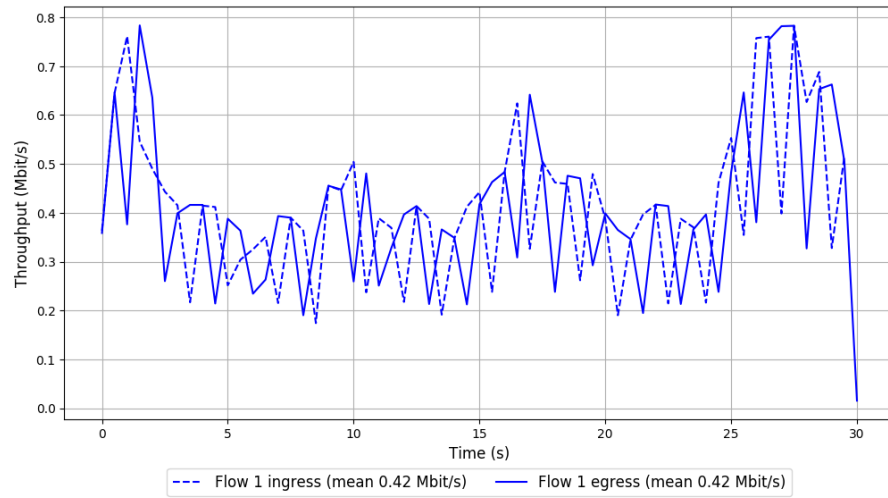
-- Flow 1:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 137.224 ms

Loss rate: 0.00%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Sun, 06 Aug 2017 19:32:35 +0000

End at: Sun, 06 Aug 2017 19:33:05 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:54:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 136.037 ms

Loss rate: 0.00%

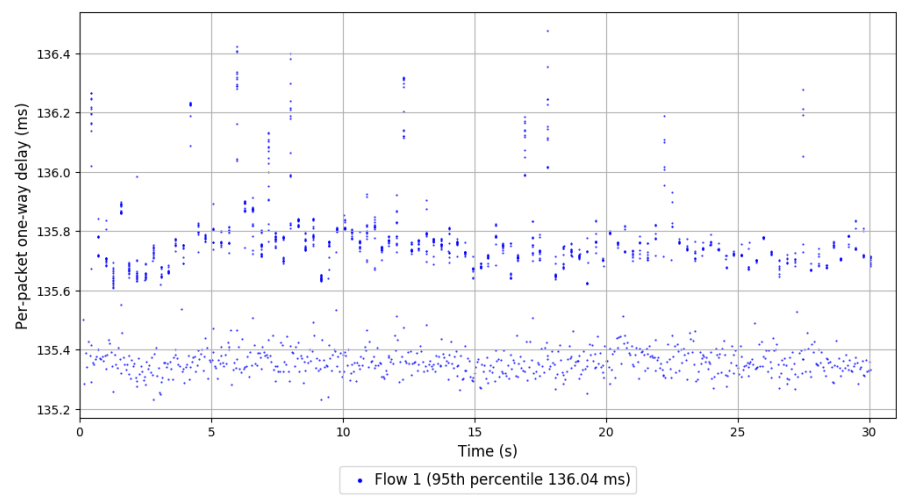
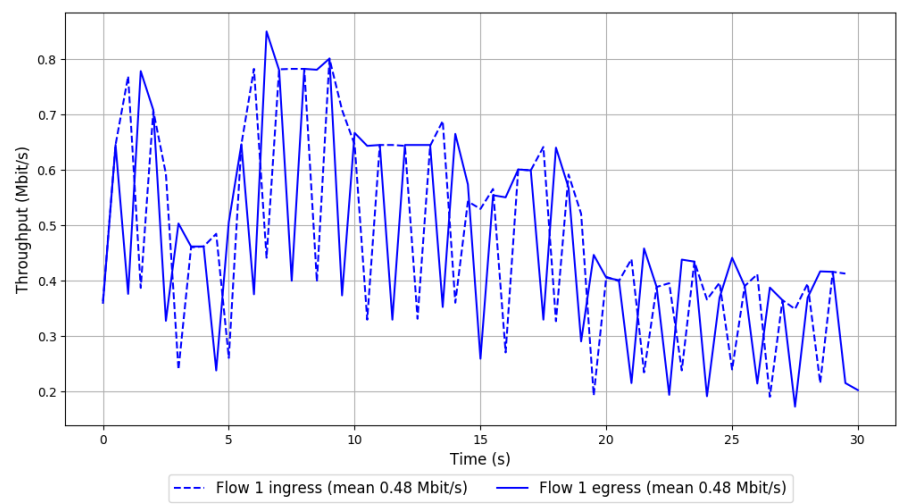
-- Flow 1:

Average throughput: 0.48 Mbit/s

95th percentile per-packet one-way delay: 136.037 ms

Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Sun, 06 Aug 2017 19:44:03 +0000

End at: Sun, 06 Aug 2017 19:44:33 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:54:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 137.302 ms

Loss rate: 0.06%

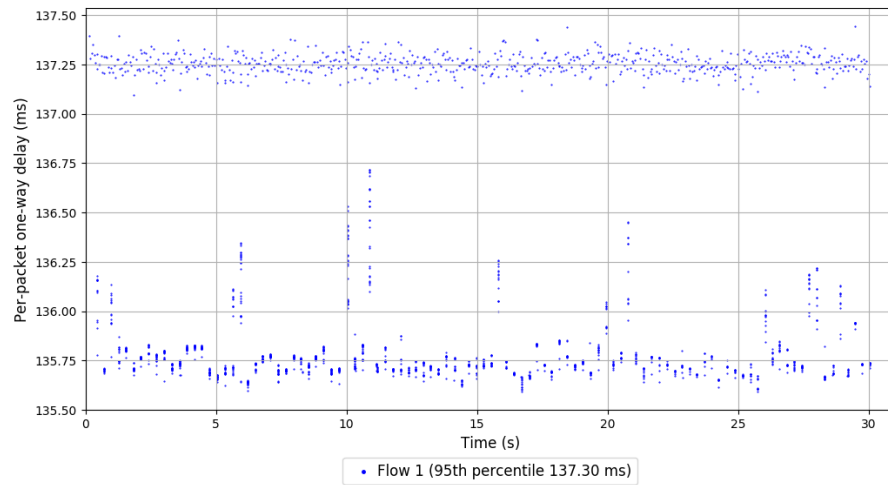
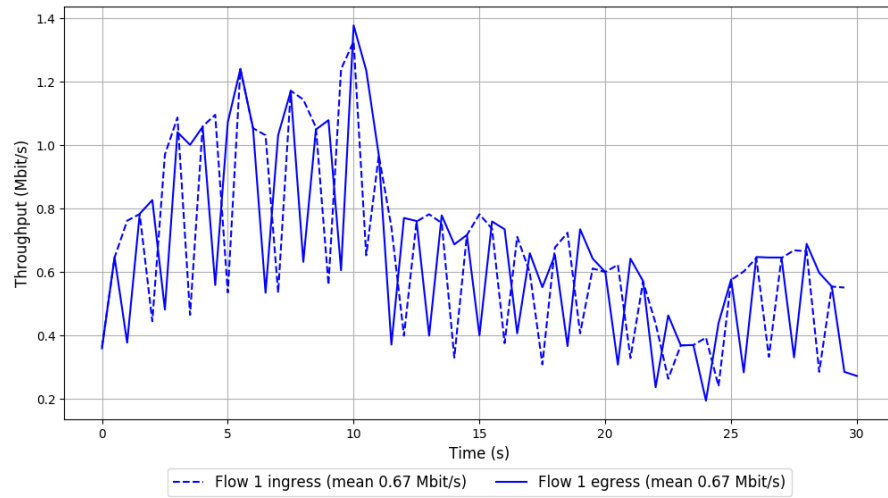
-- Flow 1:

Average throughput: 0.67 Mbit/s

95th percentile per-packet one-way delay: 137.302 ms

Loss rate: 0.06%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Sun, 06 Aug 2017 19:55:21 +0000

End at: Sun, 06 Aug 2017 19:55:51 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:54:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 135.839 ms

Loss rate: 0.00%

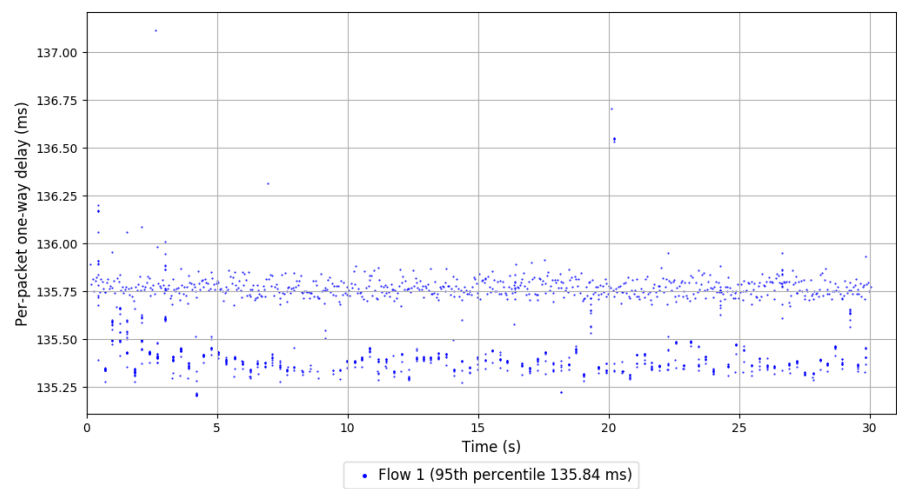
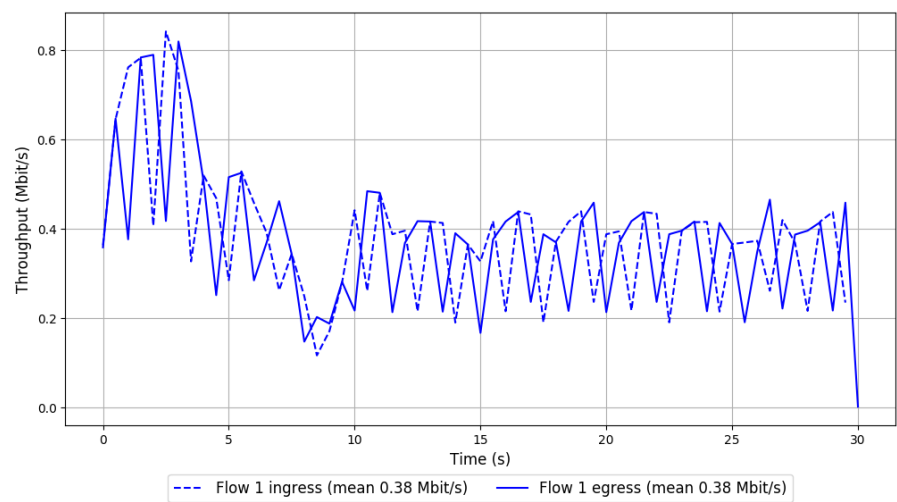
-- Flow 1:

Average throughput: 0.38 Mbit/s

95th percentile per-packet one-way delay: 135.839 ms

Loss rate: 0.00%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Sun, 06 Aug 2017 20:06:41 +0000

End at: Sun, 06 Aug 2017 20:07:11 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:54:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 137.765 ms

Loss rate: 0.00%

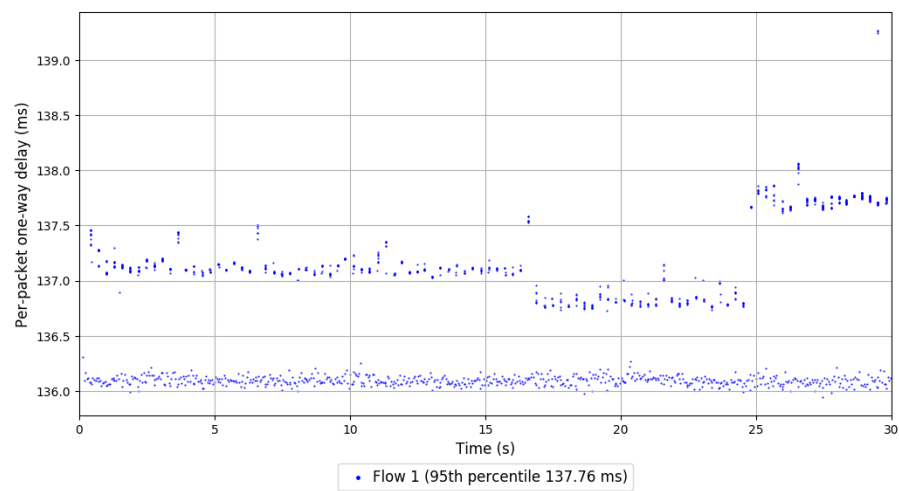
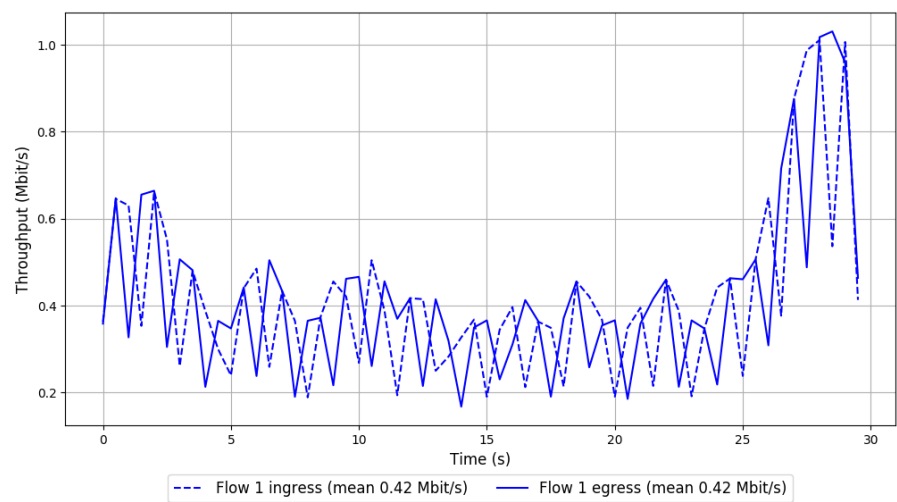
-- Flow 1:

Average throughput: 0.42 Mbit/s

95th percentile per-packet one-way delay: 137.765 ms

Loss rate: 0.00%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Sun, 06 Aug 2017 20:18:10 +0000

End at: Sun, 06 Aug 2017 20:18:40 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:54:03 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 135.985 ms

Loss rate: 0.00%

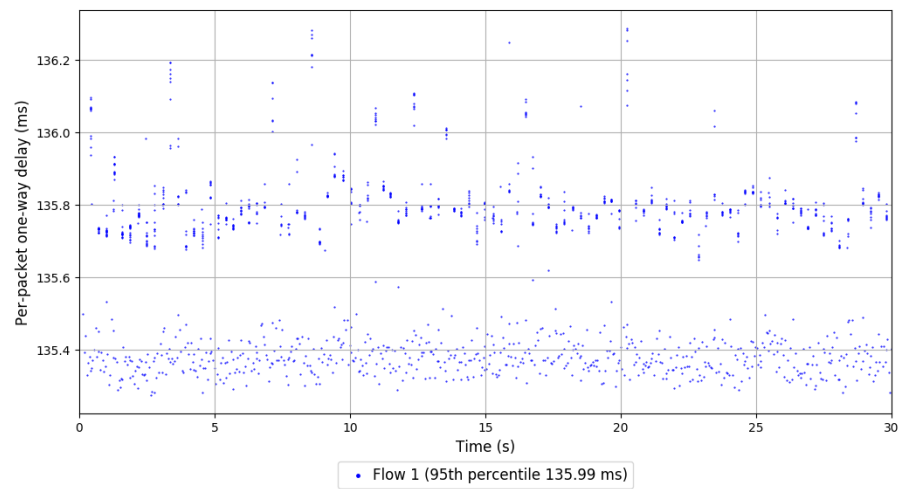
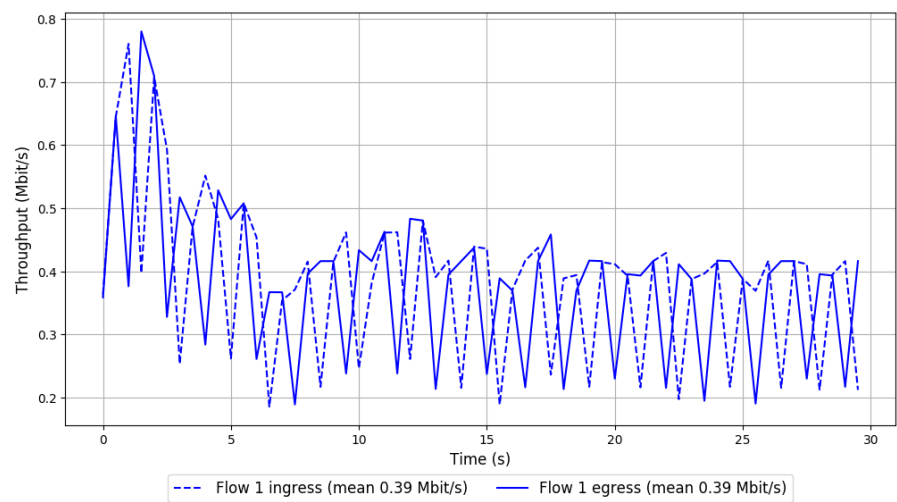
-- Flow 1:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 135.985 ms

Loss rate: 0.00%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Sun, 06 Aug 2017 20:29:11 +0000

End at: Sun, 06 Aug 2017 20:29:41 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:54:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 137.771 ms

Loss rate: 0.00%

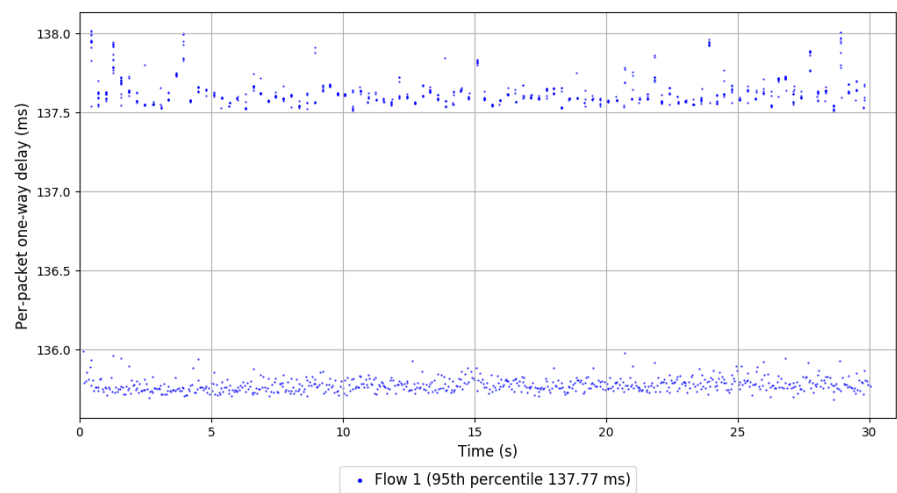
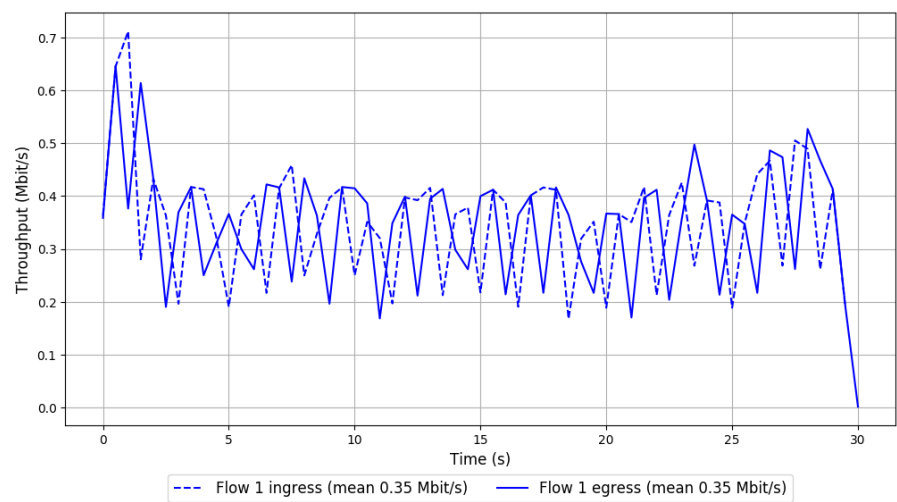
-- Flow 1:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 137.771 ms

Loss rate: 0.00%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Sun, 06 Aug 2017 20:40:35 +0000

End at: Sun, 06 Aug 2017 20:41:05 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:54:05 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 137.880 ms

Loss rate: 0.00%

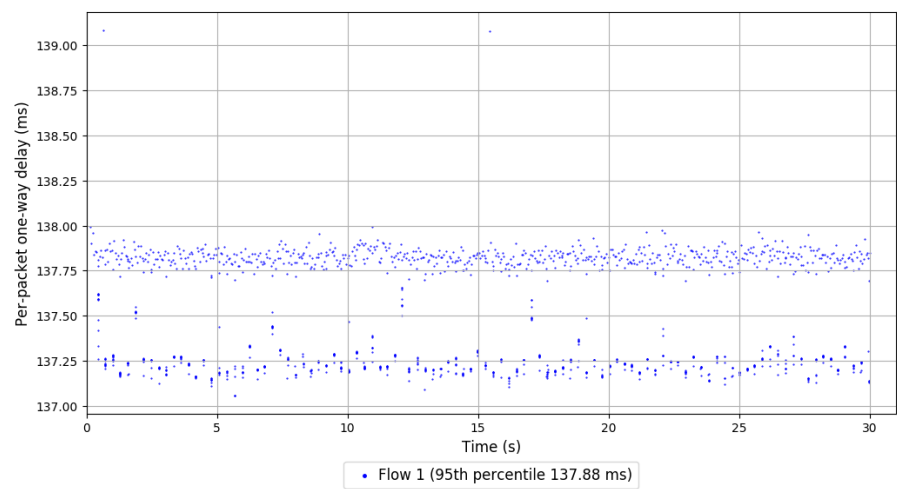
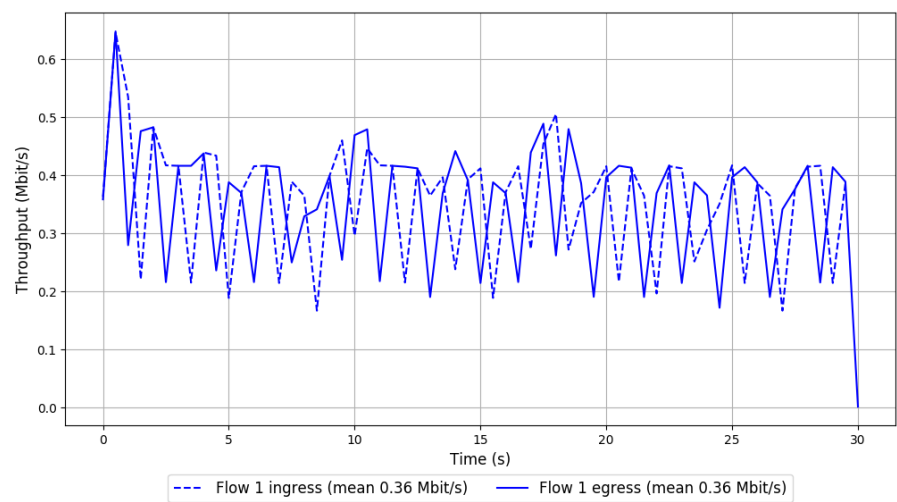
-- Flow 1:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 137.880 ms

Loss rate: 0.00%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 18:55:00 +0000

End at: Sun, 06 Aug 2017 18:55:30 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:55:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 215.40 Mbit/s

95th percentile per-packet one-way delay: 138.159 ms

Loss rate: 0.06%

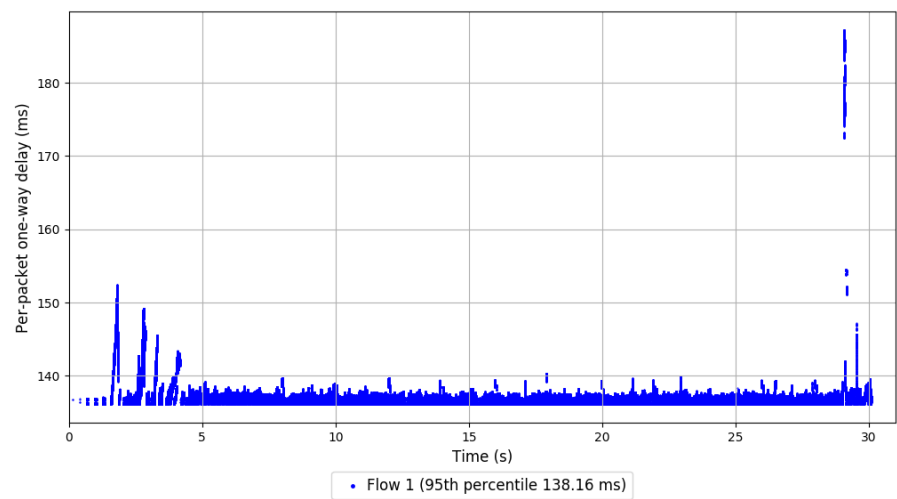
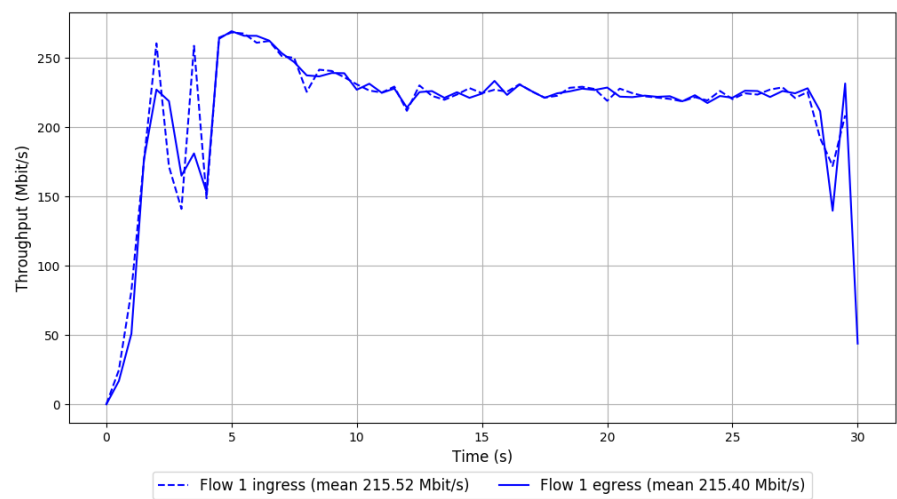
-- Flow 1:

Average throughput: 215.40 Mbit/s

95th percentile per-packet one-way delay: 138.159 ms

Loss rate: 0.06%

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

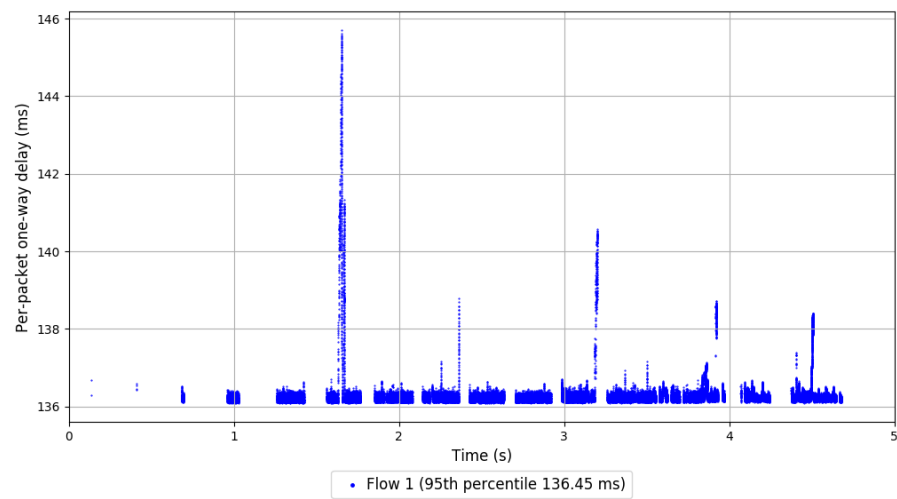
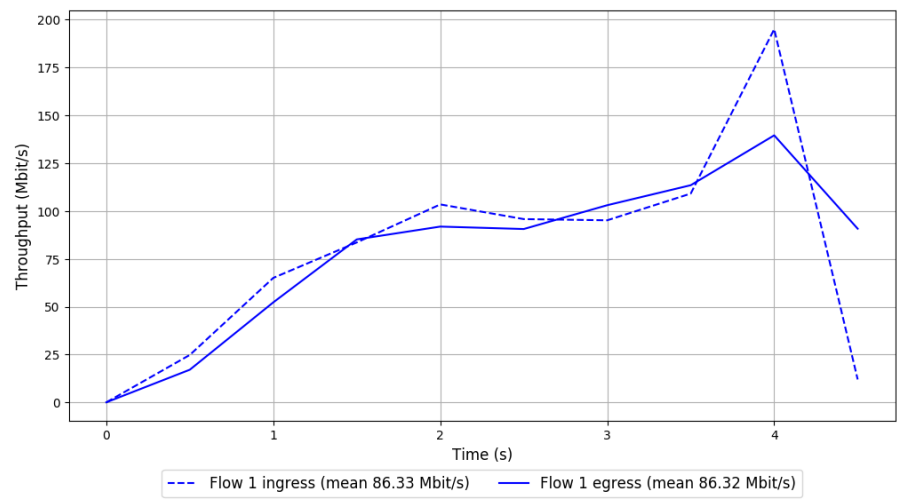


Run 2: Statistics of TaoVA-100x

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

End at: Sun, 06 Aug 2017 19:07:28 +0000

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



Run 3: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 19:18:33 +0000

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

Below is generated by plot.py at Sun, 06 Aug 2017 21:55:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.20 Mbit/s

95th percentile per-packet one-way delay: 140.537 ms

Loss rate: 0.04%

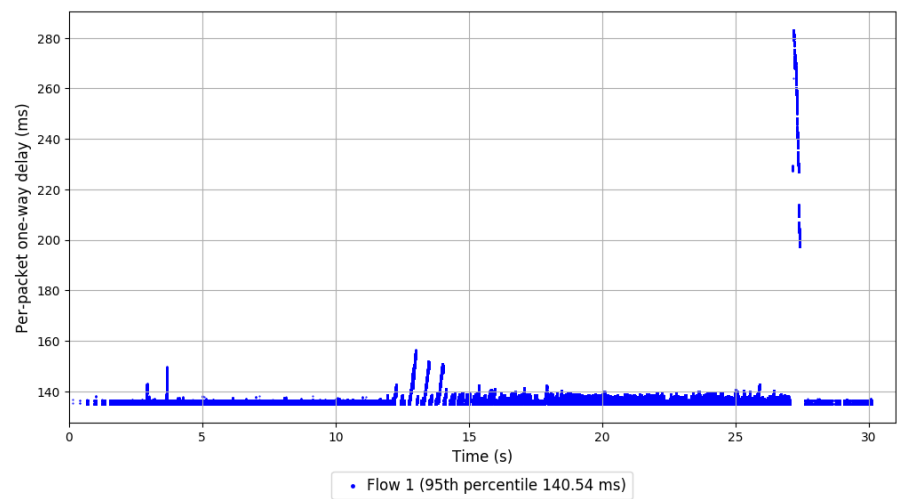
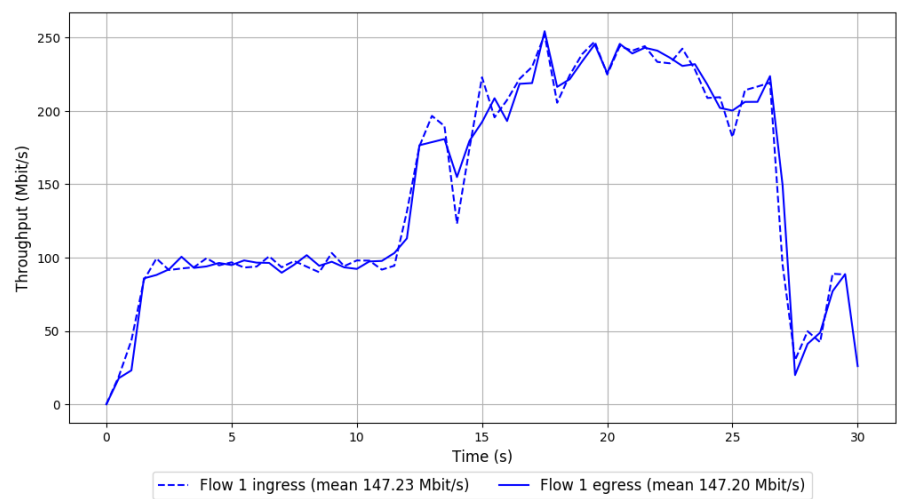
-- Flow 1:

Average throughput: 147.20 Mbit/s

95th percentile per-packet one-way delay: 140.537 ms

Loss rate: 0.04%

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



Run 4: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 19:30:00 +0000

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

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 226.03 Mbit/s

95th percentile per-packet one-way delay: 136.834 ms

Loss rate: 0.50%

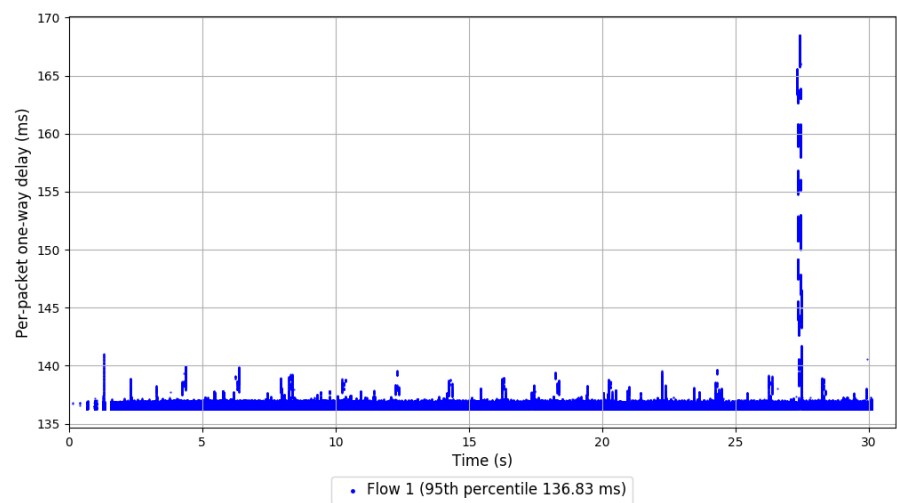
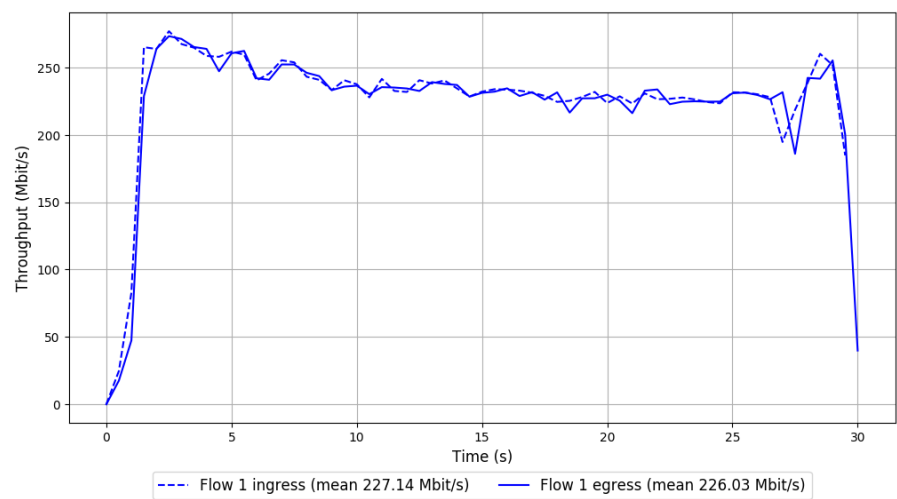
-- Flow 1:

Average throughput: 226.03 Mbit/s

95th percentile per-packet one-way delay: 136.834 ms

Loss rate: 0.50%

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



Run 5: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 19:41:29 +0000

End at: Sun, 06 Aug 2017 19:41:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:56:43 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 217.23 Mbit/s

95th percentile per-packet one-way delay: 138.072 ms

Loss rate: 0.10%

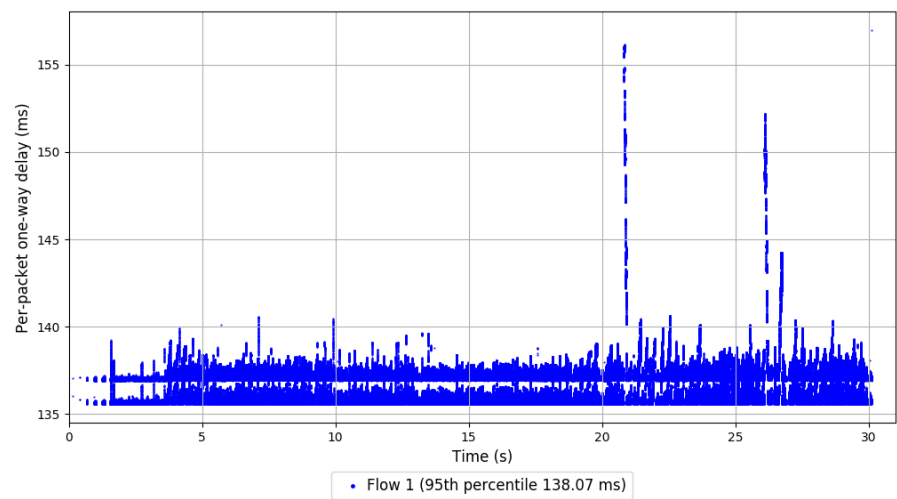
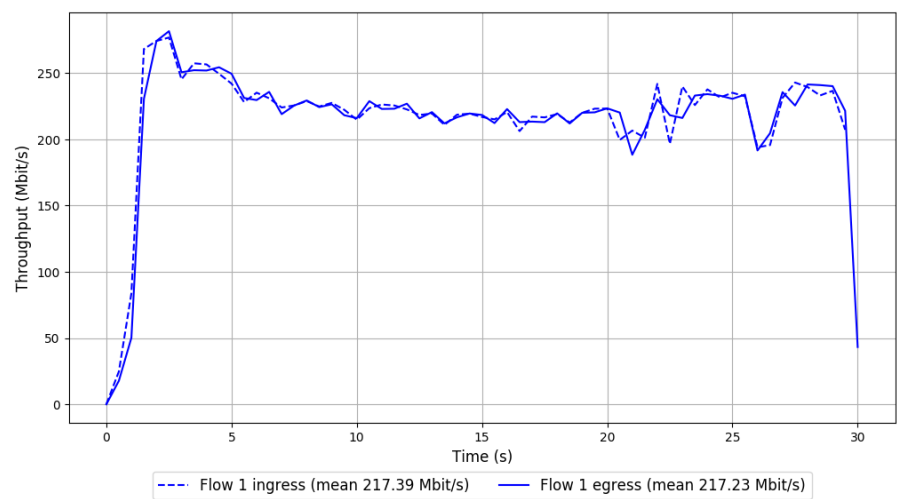
-- Flow 1:

Average throughput: 217.23 Mbit/s

95th percentile per-packet one-way delay: 138.072 ms

Loss rate: 0.10%

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



Run 6: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 19:53:12 +0000

End at: Sun, 06 Aug 2017 19:53:42 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:56:43 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.07 Mbit/s

95th percentile per-packet one-way delay: 137.258 ms

Loss rate: 0.00%

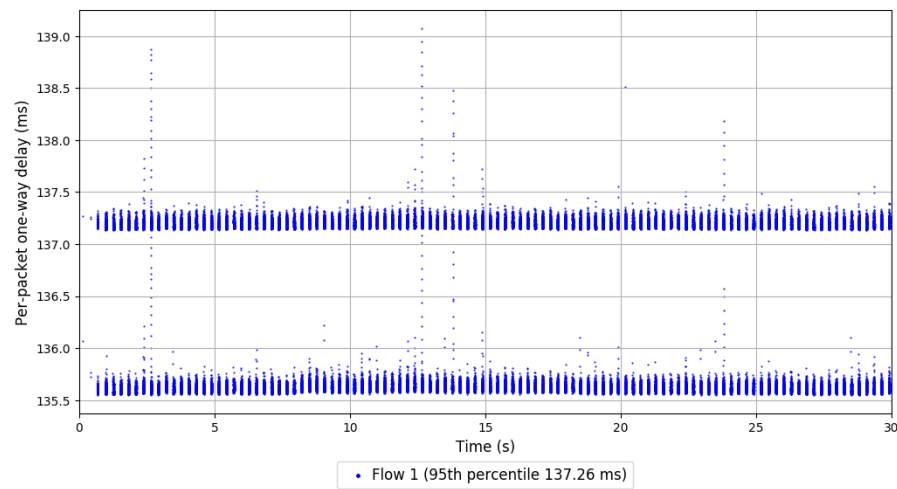
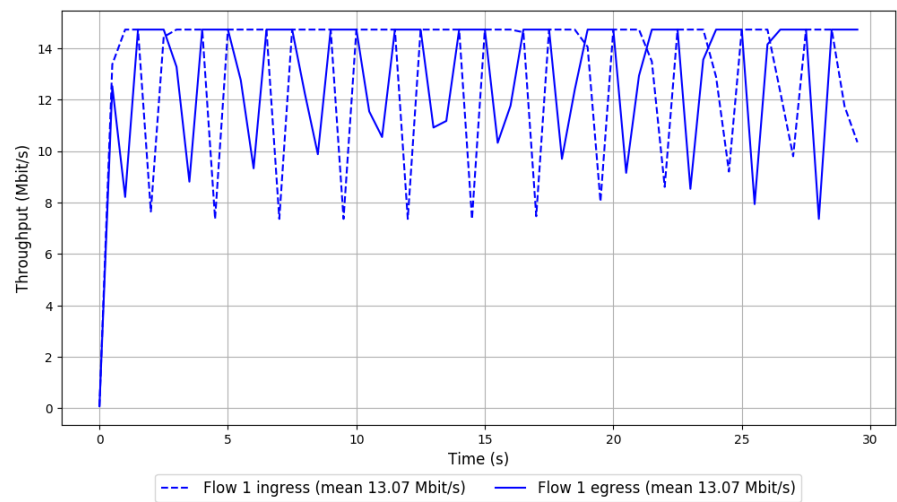
-- Flow 1:

Average throughput: 13.07 Mbit/s

95th percentile per-packet one-way delay: 137.258 ms

Loss rate: 0.00%

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



Run 7: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 20:04:29 +0000

End at: Sun, 06 Aug 2017 20:04:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:56:43 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.99 Mbit/s

95th percentile per-packet one-way delay: 137.072 ms

Loss rate: 0.56%

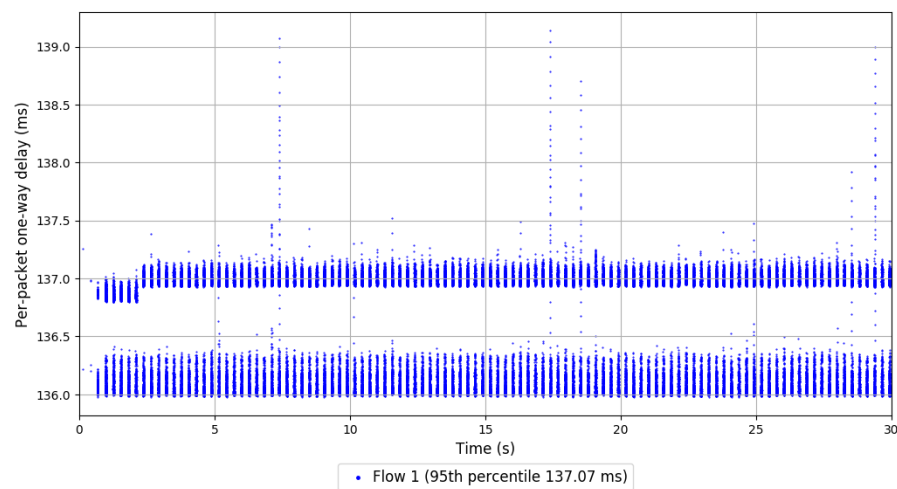
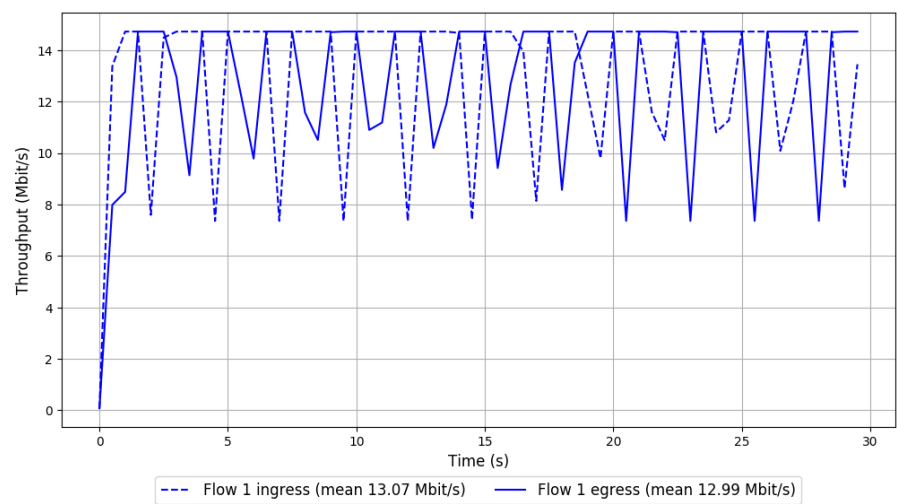
-- Flow 1:

Average throughput: 12.99 Mbit/s

95th percentile per-packet one-way delay: 137.072 ms

Loss rate: 0.56%

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



Run 8: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 20:16:00 +0000

End at: Sun, 06 Aug 2017 20:16:30 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:56:43 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.14 Mbit/s

95th percentile per-packet one-way delay: 136.789 ms

Loss rate: 0.02%

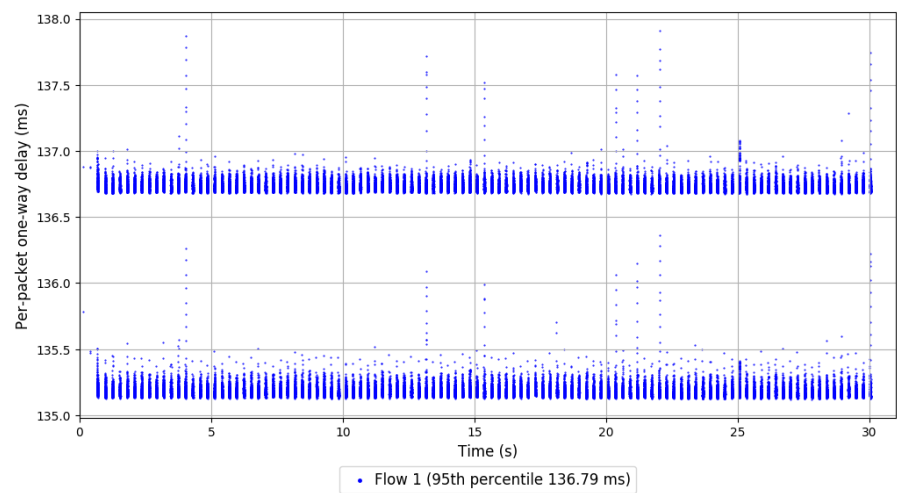
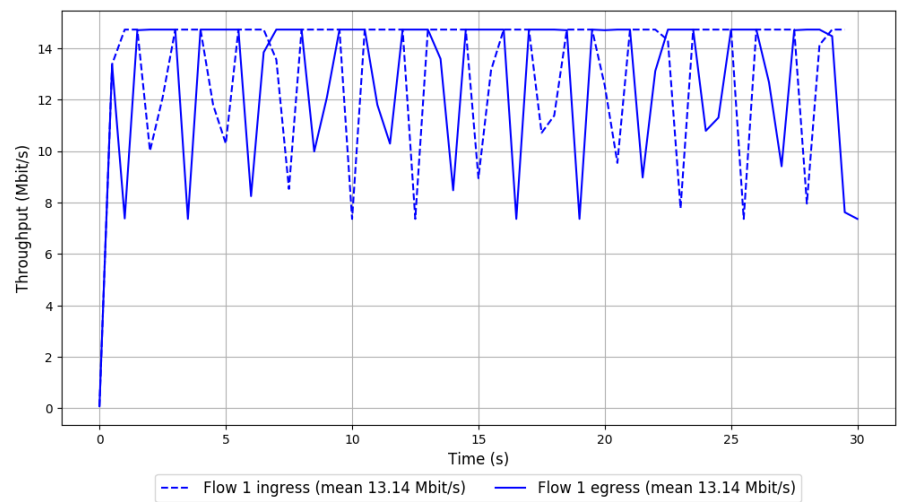
-- Flow 1:

Average throughput: 13.14 Mbit/s

95th percentile per-packet one-way delay: 136.789 ms

Loss rate: 0.02%

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



Run 9: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 20:27:02 +0000

End at: Sun, 06 Aug 2017 20:27:32 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:56:43 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.98 Mbit/s

95th percentile per-packet one-way delay: 137.704 ms

Loss rate: 0.58%

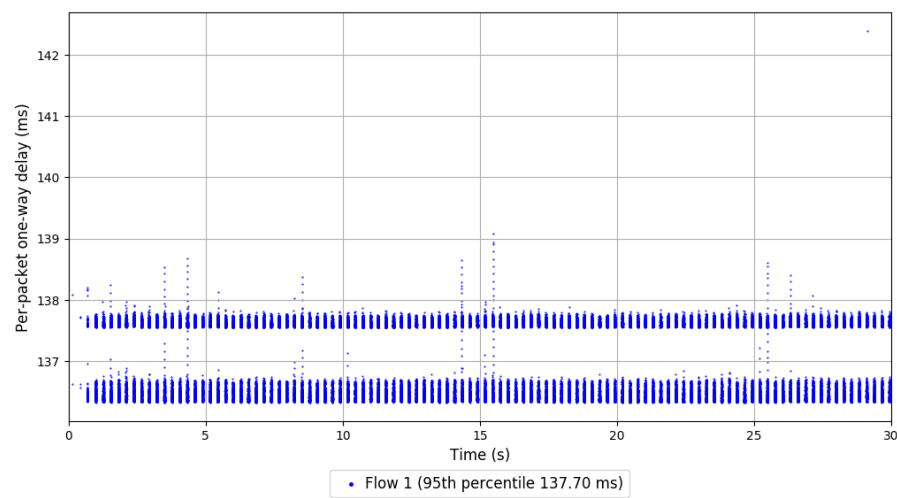
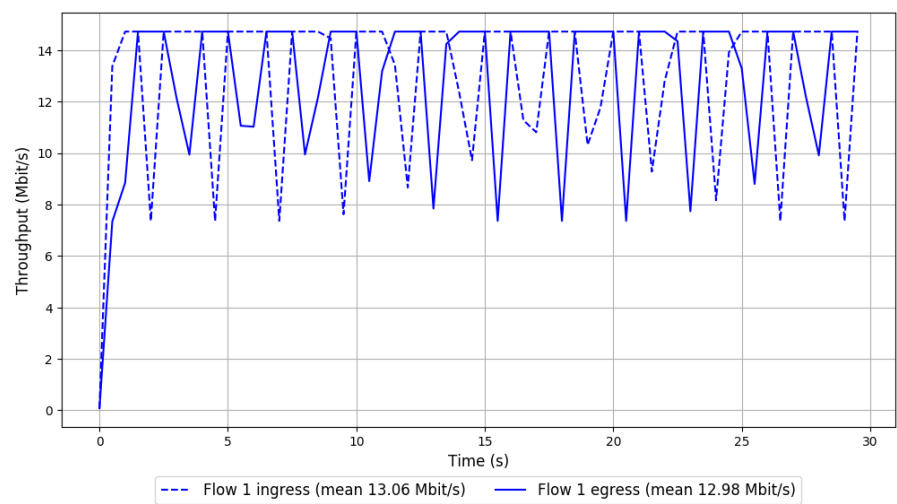
-- Flow 1:

Average throughput: 12.98 Mbit/s

95th percentile per-packet one-way delay: 137.704 ms

Loss rate: 0.58%

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

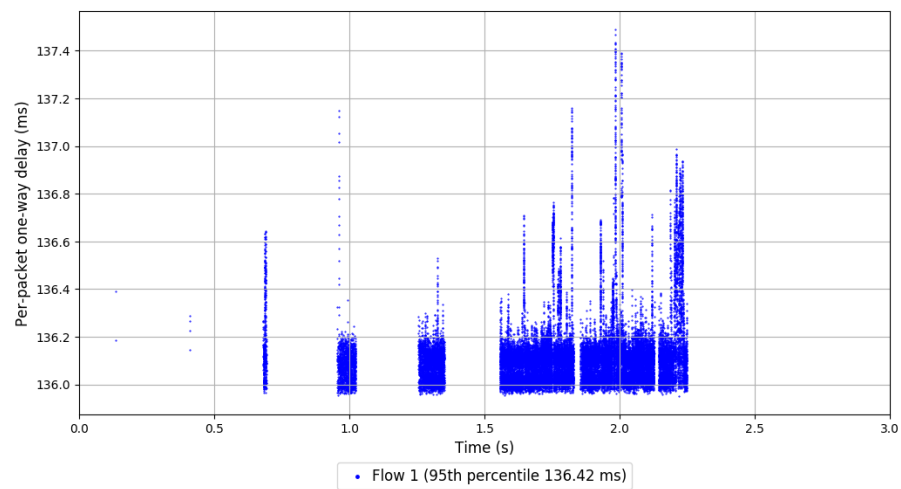
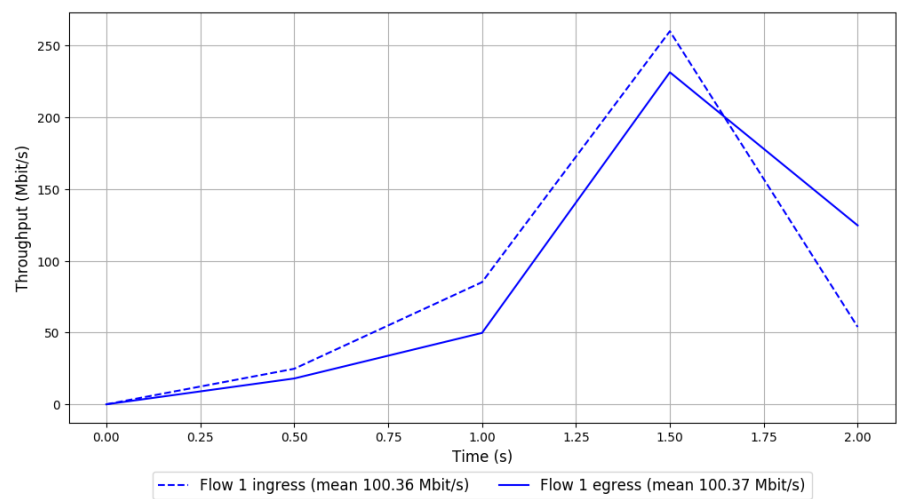


Run 10: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 20:38:25 +0000

End at: Sun, 06 Aug 2017 20:38:55 +0000

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

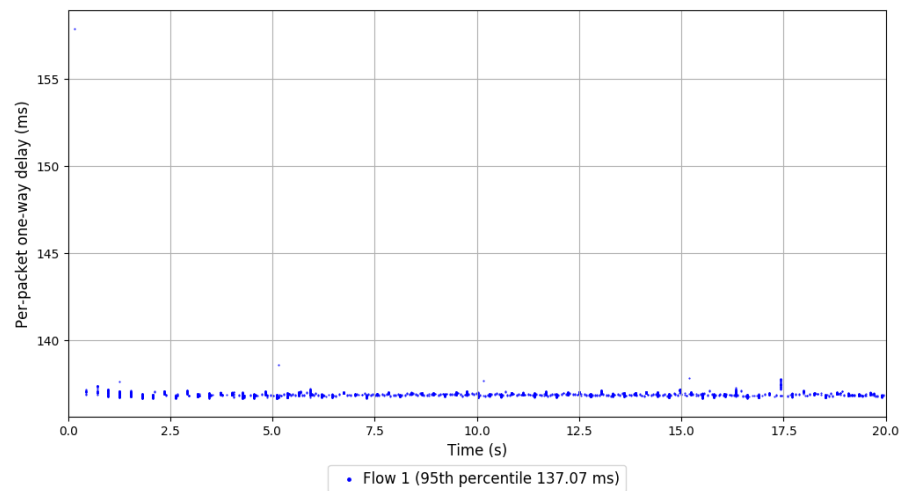
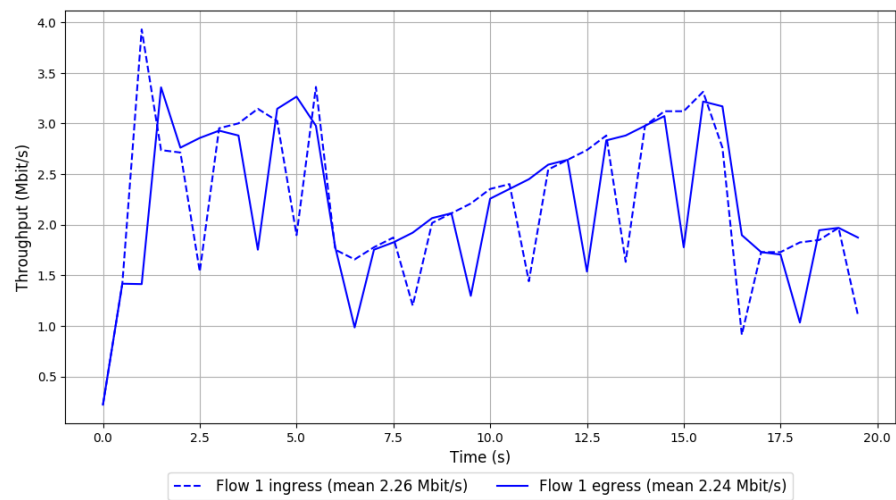


Run 1: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 18:59:00 +0000

End at: Sun, 06 Aug 2017 18:59:30 +0000

Run 1: Report of TCP Vegas — Data Link

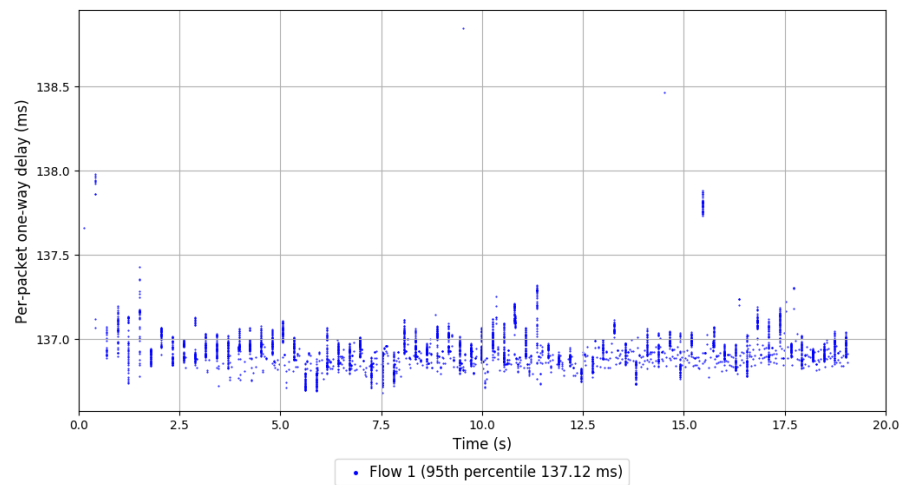
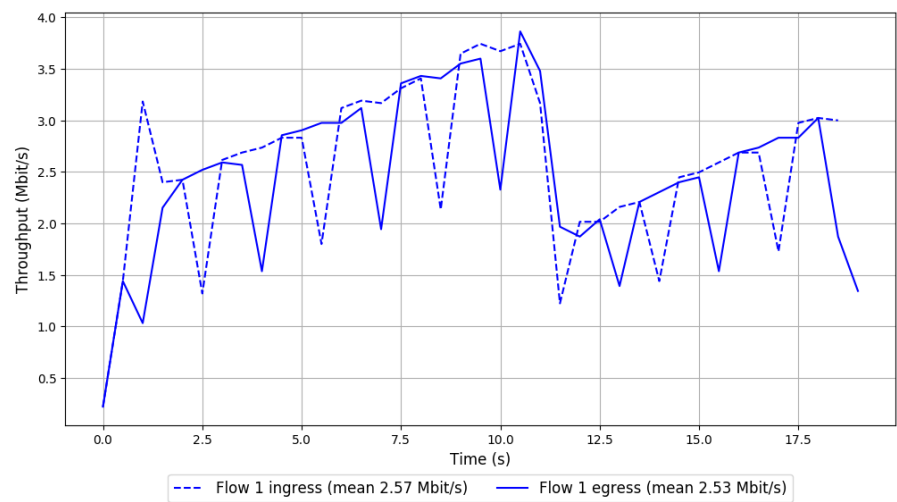


Run 2: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 19:10:36 +0000

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

Run 2: Report of TCP Vegas — Data Link

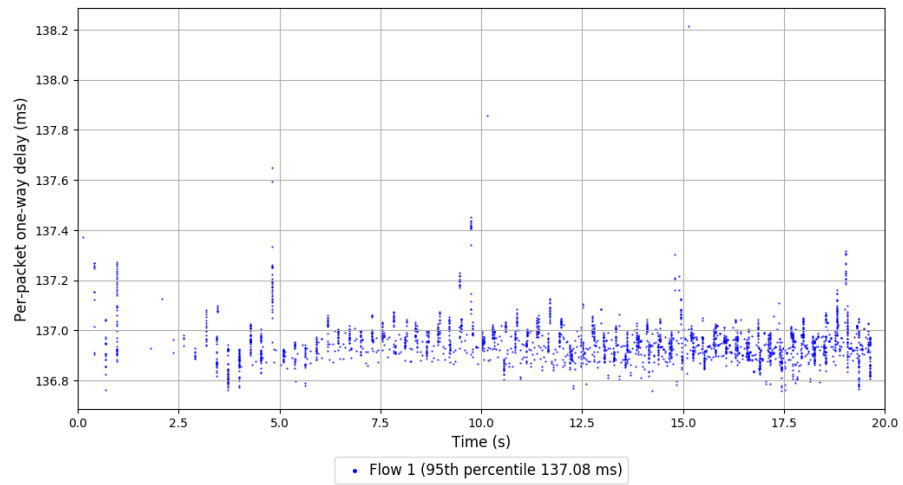
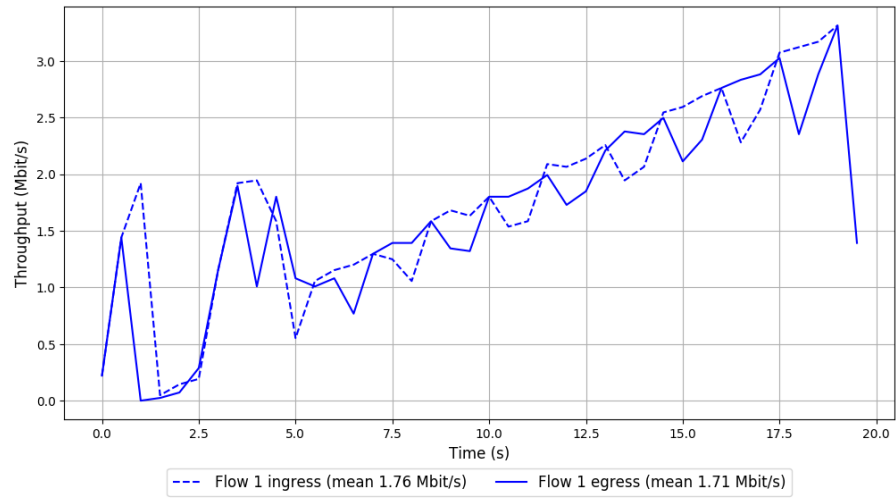


Run 3: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 19:22:25 +0000

End at: Sun, 06 Aug 2017 19:22:55 +0000

Run 3: Report of TCP Vegas — Data Link

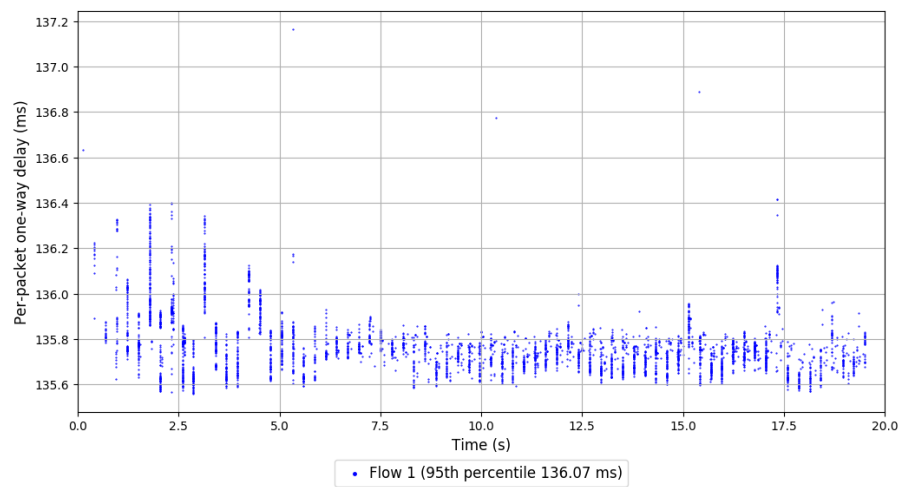
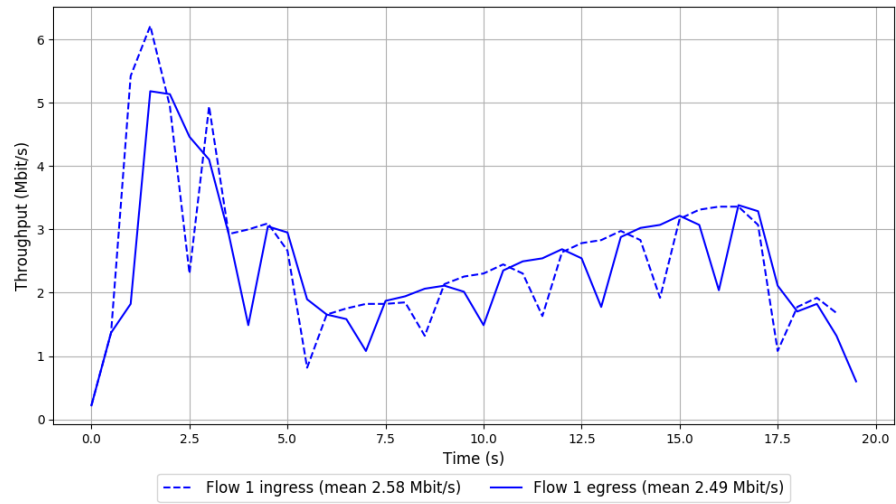


Run 4: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 19:33:59 +0000

End at: Sun, 06 Aug 2017 19:34:29 +0000

Run 4: Report of TCP Vegas — Data Link

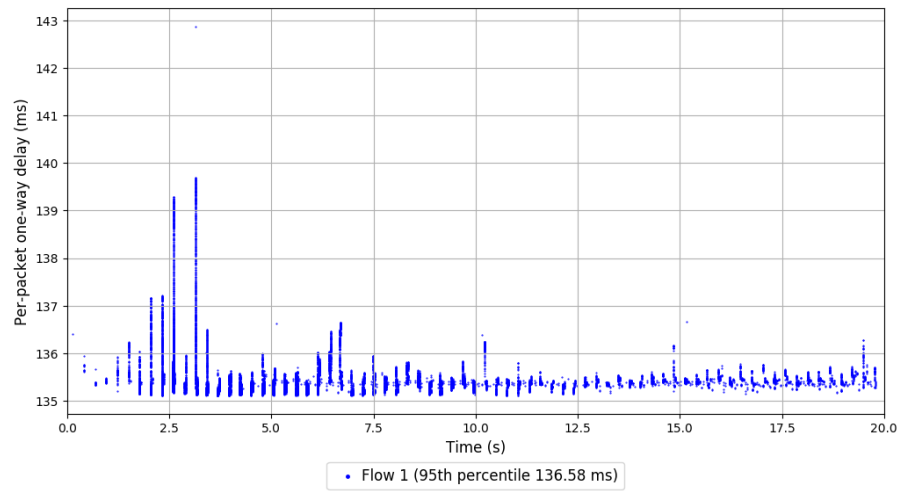
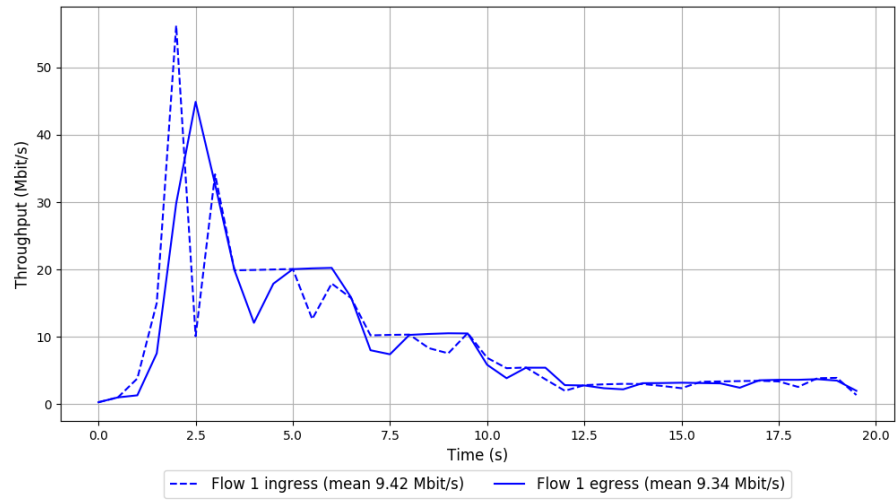


Run 5: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 19:45:28 +0000

End at: Sun, 06 Aug 2017 19:45:58 +0000

Run 5: Report of TCP Vegas — Data Link

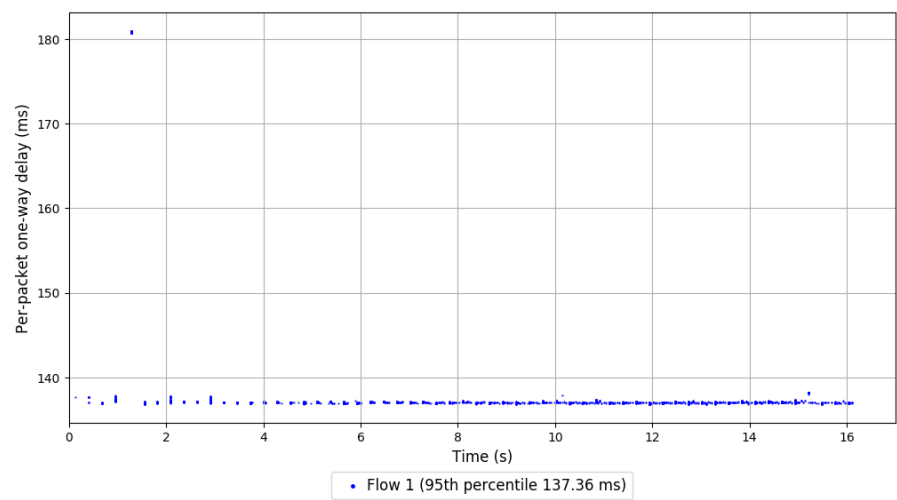
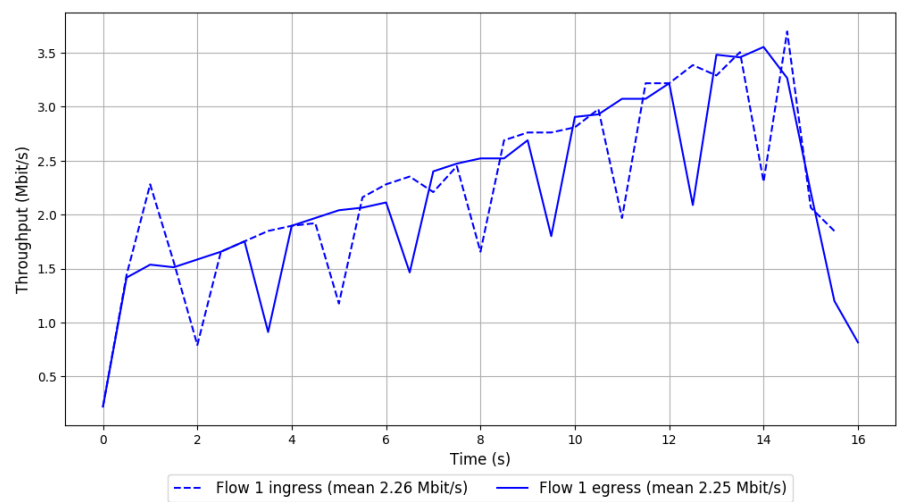


Run 6: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 19:56:46 +0000

End at: Sun, 06 Aug 2017 19:57:16 +0000

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 20:08:05 +0000

End at: Sun, 06 Aug 2017 20:08:35 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:56:53 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.54 Mbit/s

95th percentile per-packet one-way delay: 136.039 ms

Loss rate: 0.71%

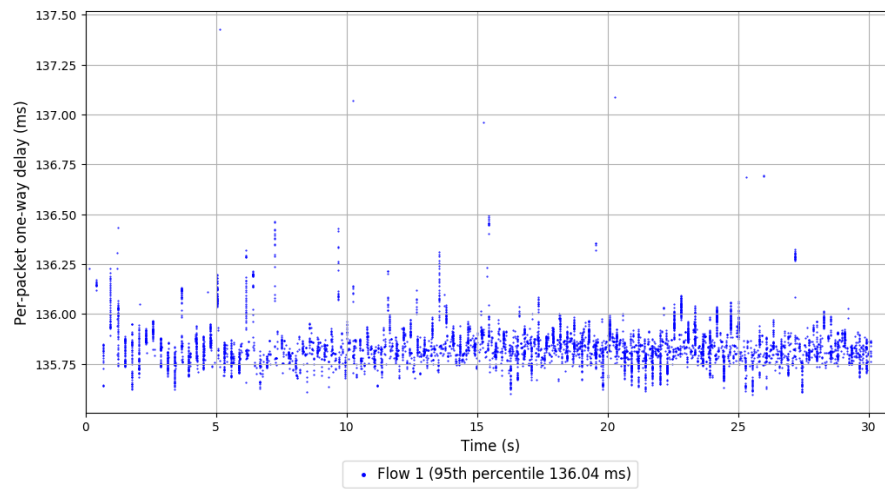
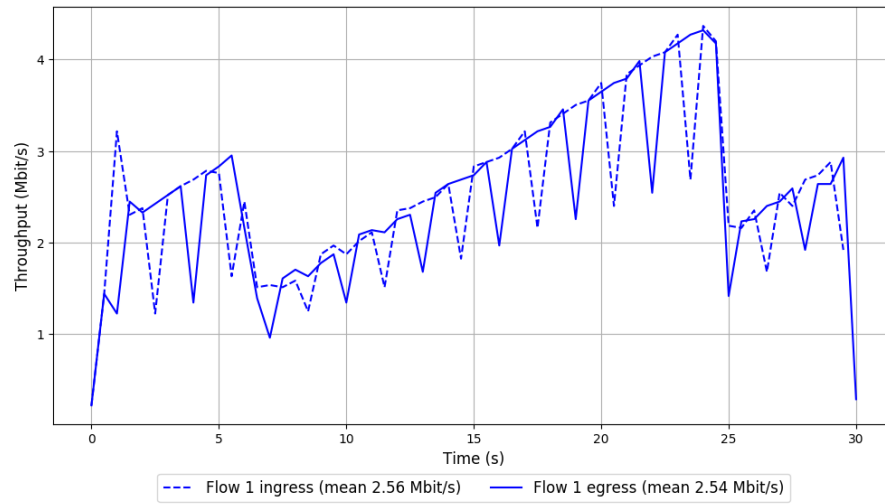
-- Flow 1:

Average throughput: 2.54 Mbit/s

95th percentile per-packet one-way delay: 136.039 ms

Loss rate: 0.71%

Run 7: Report of TCP Vegas — Data Link

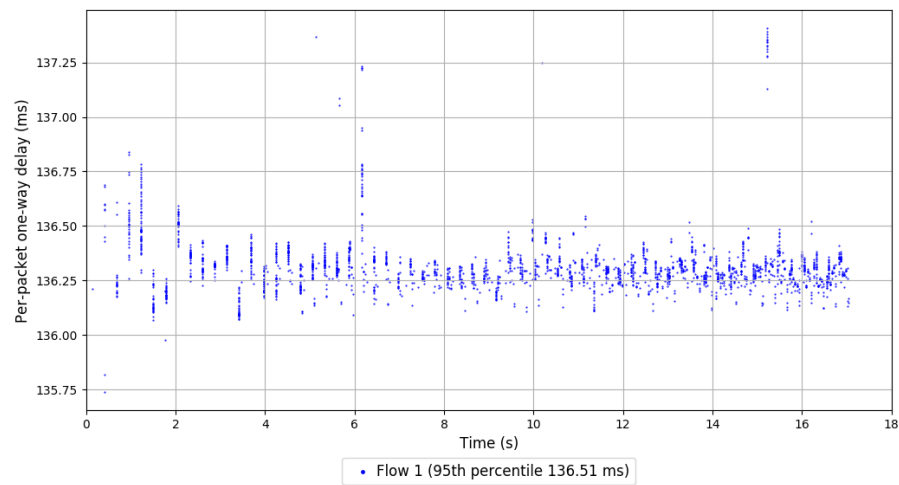
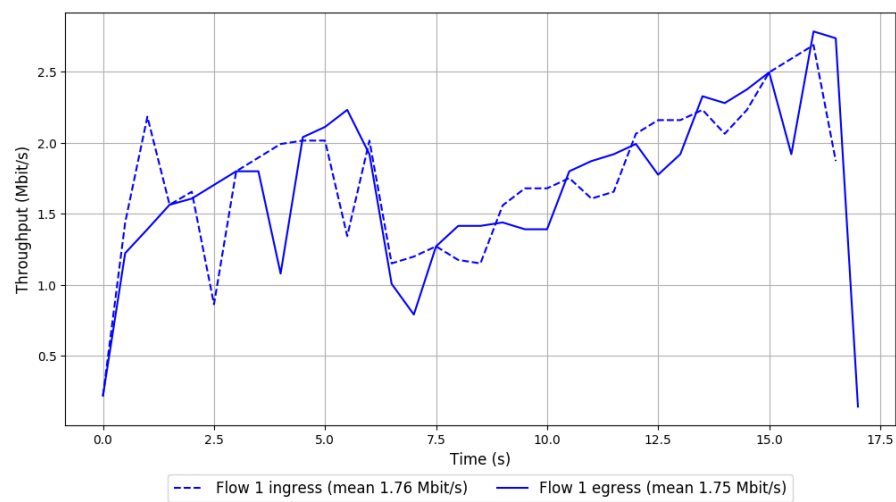


Run 8: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 20:19:35 +0000

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

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 20:30:36 +0000

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

Below is generated by plot.py at Sun, 06 Aug 2017 21:56:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 137.849 ms

Loss rate: 1.84%

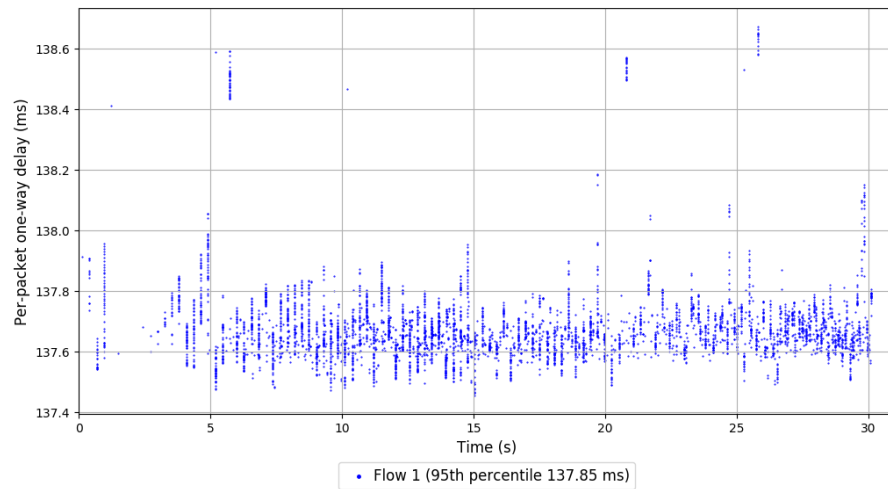
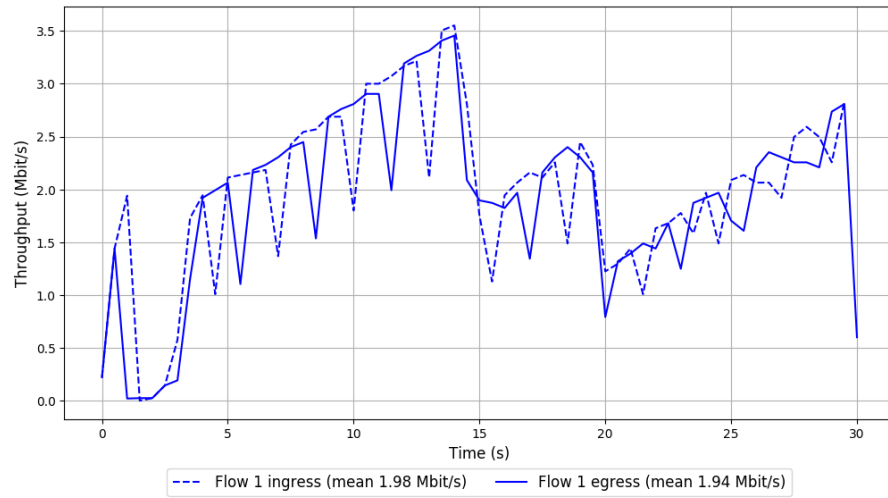
-- Flow 1:

Average throughput: 1.94 Mbit/s

95th percentile per-packet one-way delay: 137.849 ms

Loss rate: 1.84%

Run 9: Report of TCP Vegas — Data Link

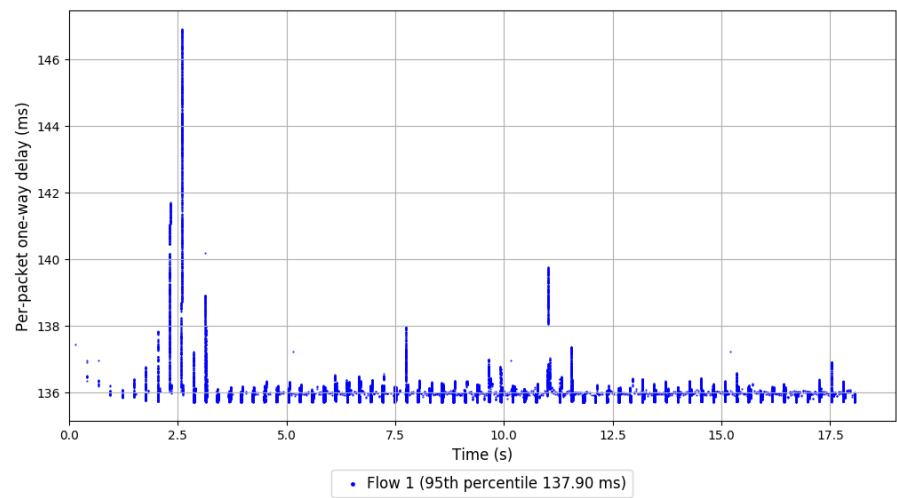
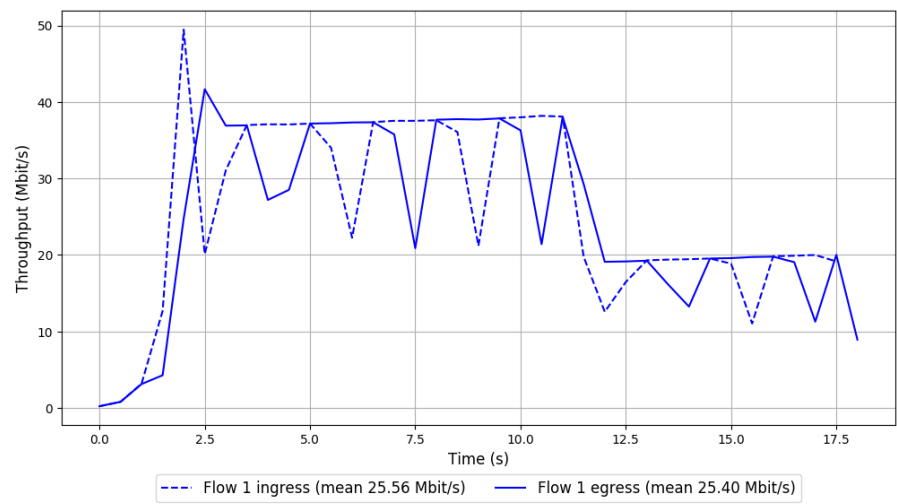


Run 10: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 20:41:59 +0000

End at: Sun, 06 Aug 2017 20:42:29 +0000

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Sun, 06 Aug 2017 19:02:08 +0000

End at: Sun, 06 Aug 2017 19:02:38 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:57:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.15 Mbit/s

95th percentile per-packet one-way delay: 141.190 ms

Loss rate: 0.03%

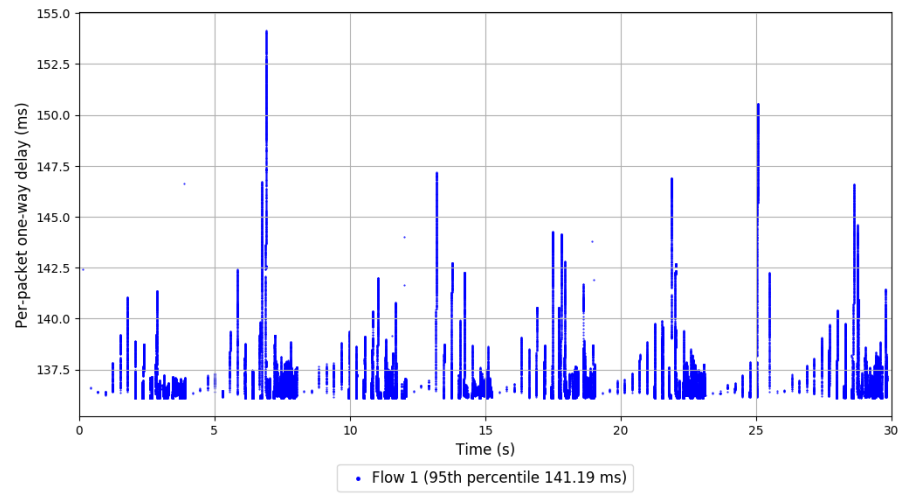
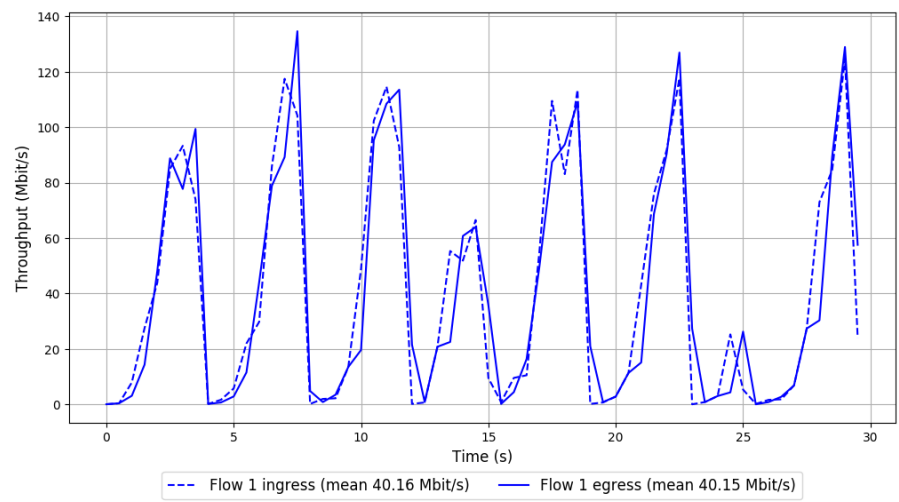
-- Flow 1:

Average throughput: 40.15 Mbit/s

95th percentile per-packet one-way delay: 141.190 ms

Loss rate: 0.03%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sun, 06 Aug 2017 19:13:41 +0000

End at: Sun, 06 Aug 2017 19:14:11 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:57:12 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.17 Mbit/s

95th percentile per-packet one-way delay: 137.869 ms

Loss rate: 6.14%

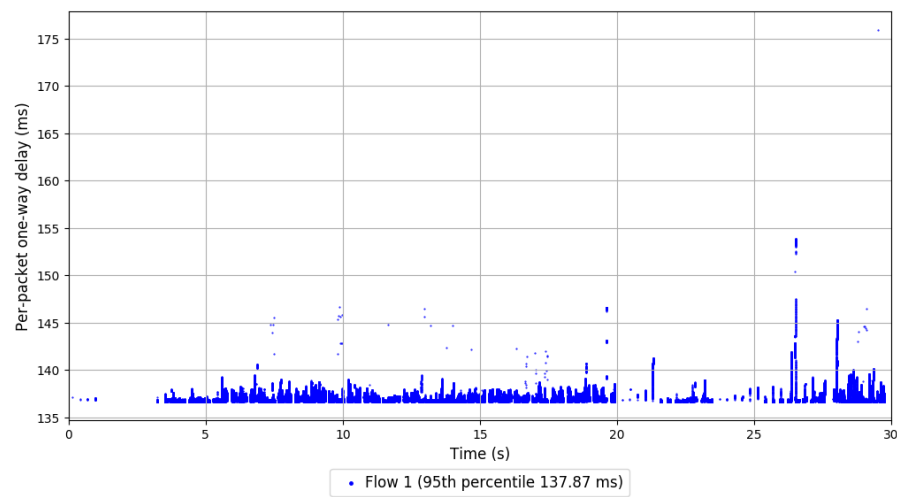
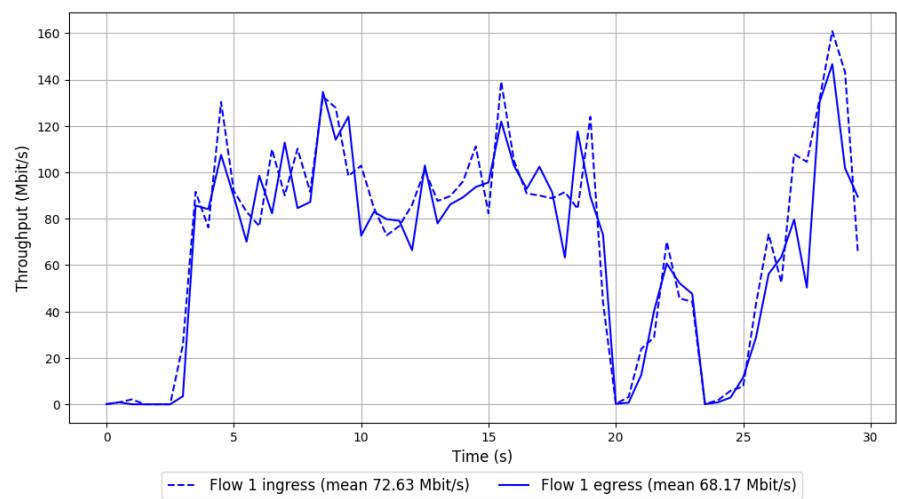
-- Flow 1:

Average throughput: 68.17 Mbit/s

95th percentile per-packet one-way delay: 137.869 ms

Loss rate: 6.14%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sun, 06 Aug 2017 19:25:14 +0000

End at: Sun, 06 Aug 2017 19:25:44 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:57:12 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.70 Mbit/s

95th percentile per-packet one-way delay: 136.640 ms

Loss rate: 67.89%

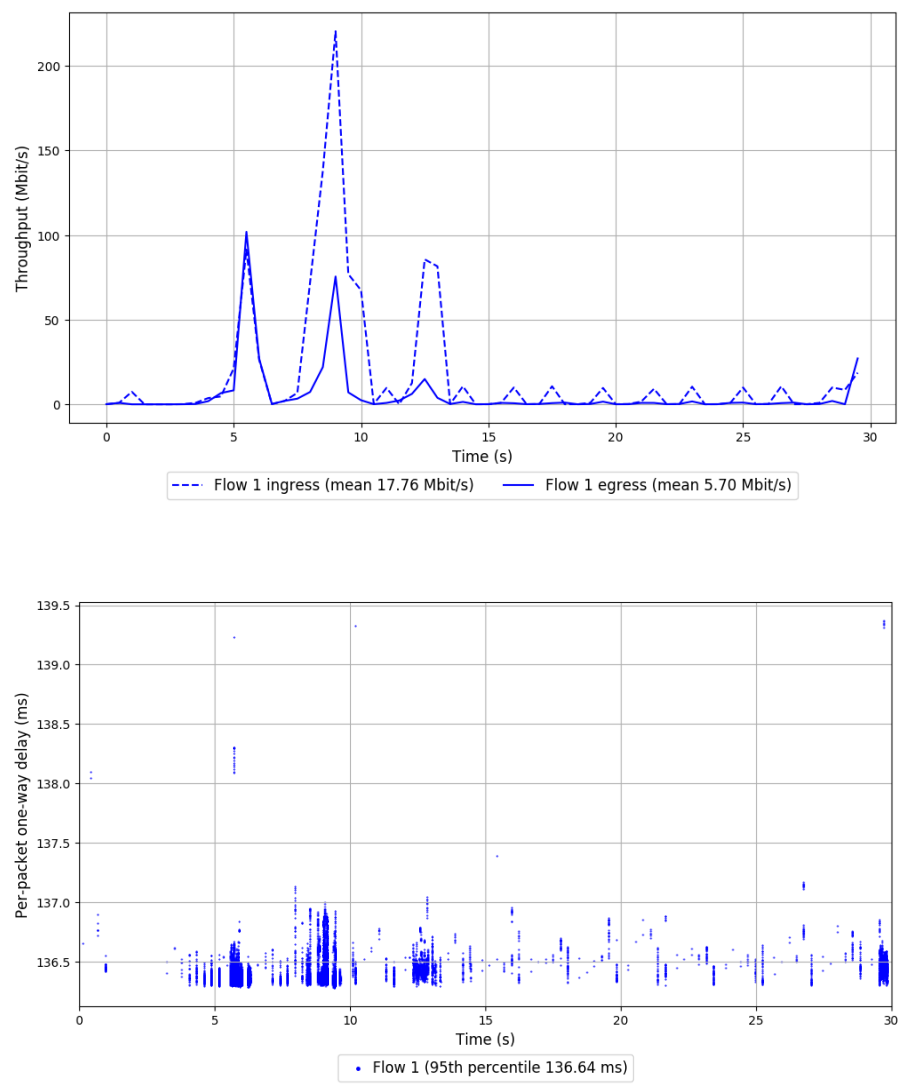
-- Flow 1:

Average throughput: 5.70 Mbit/s

95th percentile per-packet one-way delay: 136.640 ms

Loss rate: 67.89%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Sun, 06 Aug 2017 19:36:50 +0000

End at: Sun, 06 Aug 2017 19:37:20 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:57:12 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.41 Mbit/s

95th percentile per-packet one-way delay: 137.241 ms

Loss rate: 87.03%

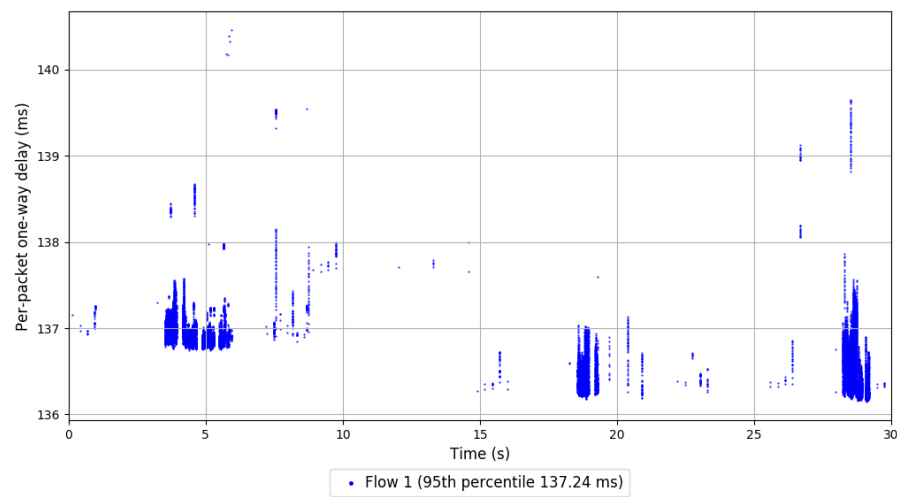
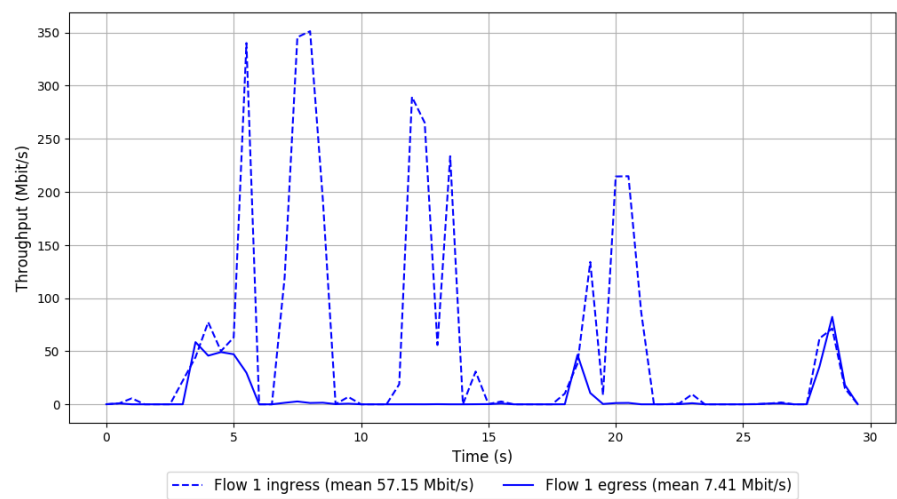
-- Flow 1:

Average throughput: 7.41 Mbit/s

95th percentile per-packet one-way delay: 137.241 ms

Loss rate: 87.03%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Sun, 06 Aug 2017 19:48:33 +0000

End at: Sun, 06 Aug 2017 19:49:03 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:57:31 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 101.78 Mbit/s

95th percentile per-packet one-way delay: 155.036 ms

Loss rate: 0.14%

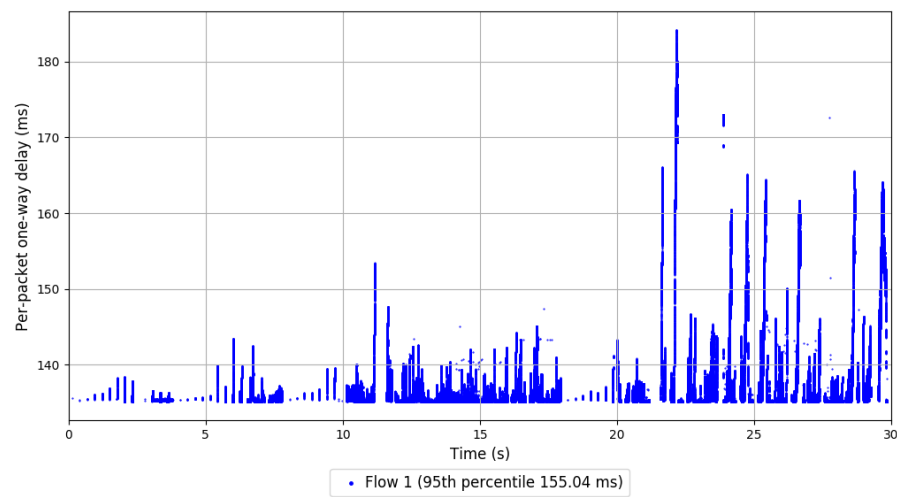
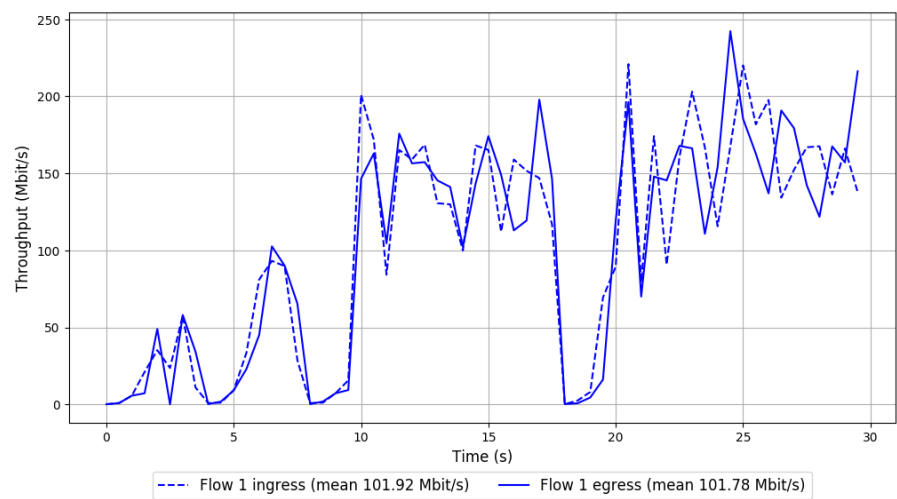
-- Flow 1:

Average throughput: 101.78 Mbit/s

95th percentile per-packet one-way delay: 155.036 ms

Loss rate: 0.14%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Sun, 06 Aug 2017 19:59:41 +0000

End at: Sun, 06 Aug 2017 20:00:11 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:57:31 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.74 Mbit/s

95th percentile per-packet one-way delay: 136.640 ms

Loss rate: 83.70%

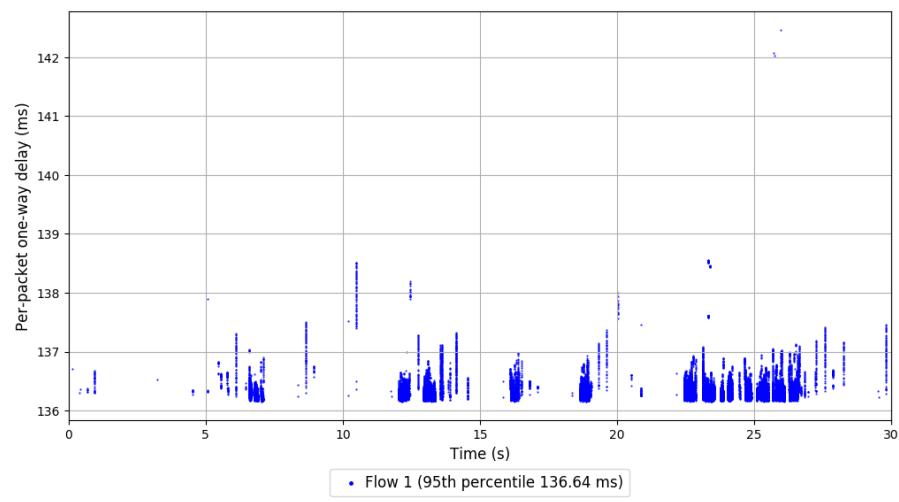
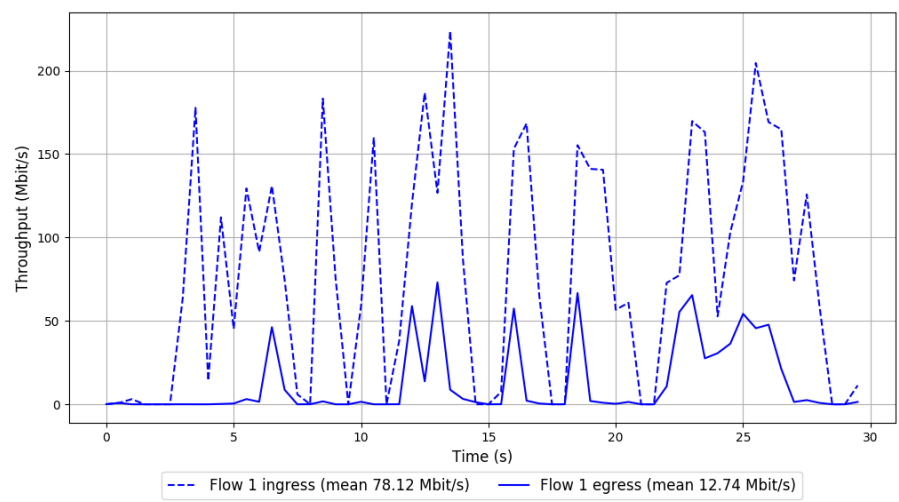
-- Flow 1:

Average throughput: 12.74 Mbit/s

95th percentile per-packet one-way delay: 136.640 ms

Loss rate: 83.70%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Sun, 06 Aug 2017 20:11:08 +0000

End at: Sun, 06 Aug 2017 20:11:38 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:57:31 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.56 Mbit/s

95th percentile per-packet one-way delay: 143.106 ms

Loss rate: 0.69%

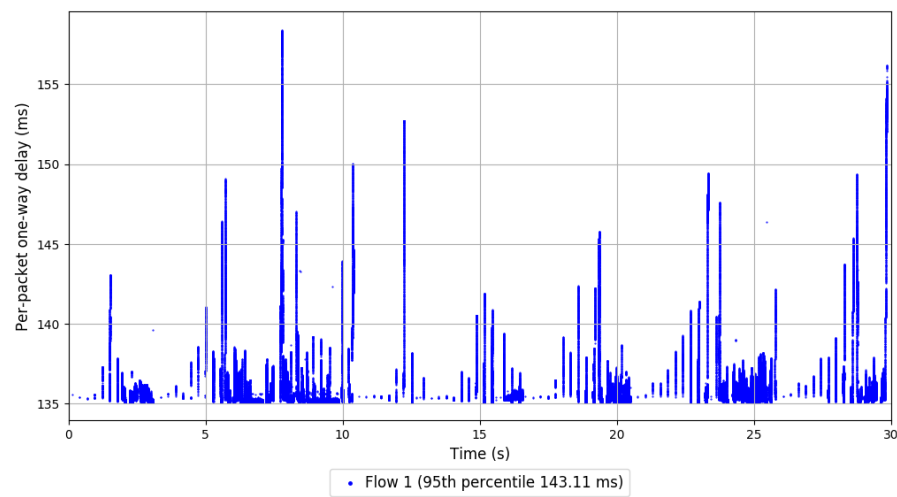
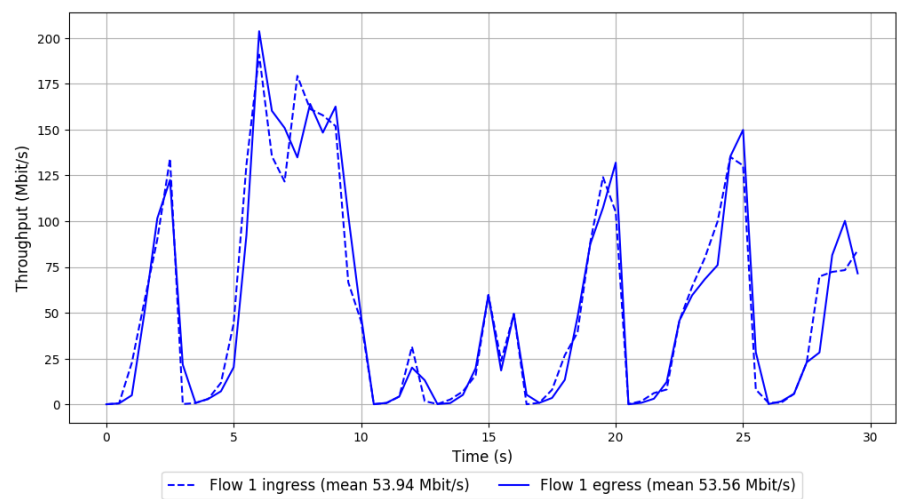
-- Flow 1:

Average throughput: 53.56 Mbit/s

95th percentile per-packet one-way delay: 143.106 ms

Loss rate: 0.69%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Sun, 06 Aug 2017 20:22:26 +0000

End at: Sun, 06 Aug 2017 20:22:56 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:57:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 117.07 Mbit/s

95th percentile per-packet one-way delay: 188.680 ms

Loss rate: 0.37%

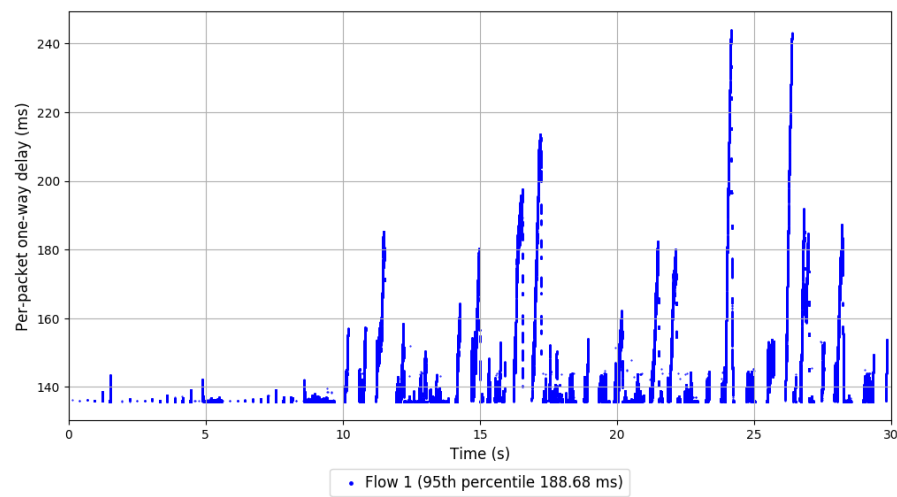
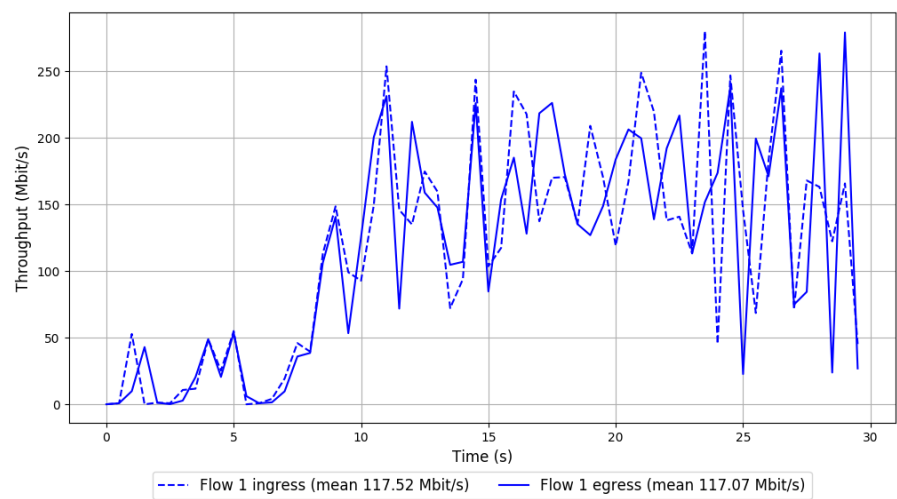
-- Flow 1:

Average throughput: 117.07 Mbit/s

95th percentile per-packet one-way delay: 188.680 ms

Loss rate: 0.37%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Sun, 06 Aug 2017 20:33:41 +0000

End at: Sun, 06 Aug 2017 20:34:11 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:57:55 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 105.54 Mbit/s

95th percentile per-packet one-way delay: 145.050 ms

Loss rate: 0.04%

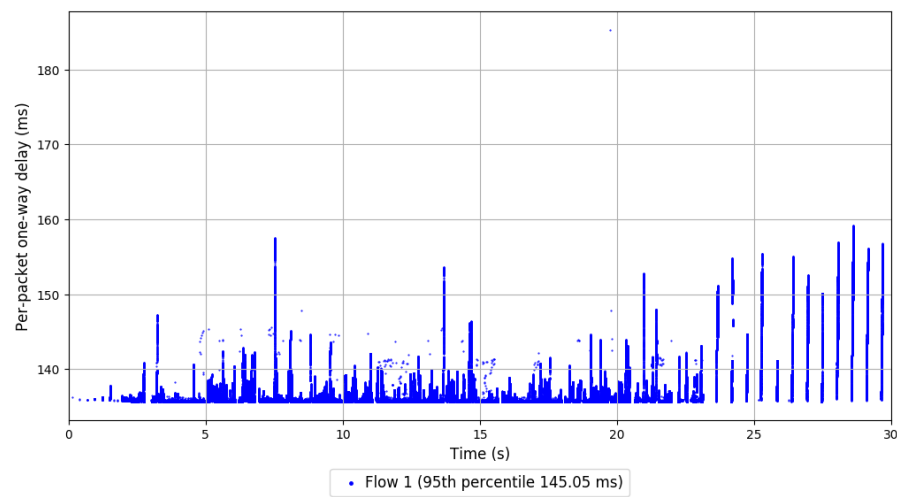
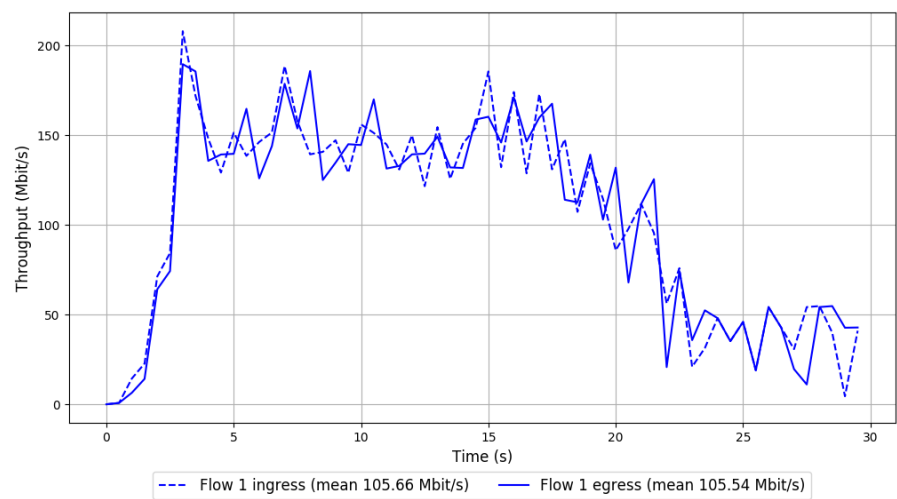
-- Flow 1:

Average throughput: 105.54 Mbit/s

95th percentile per-packet one-way delay: 145.050 ms

Loss rate: 0.04%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Sun, 06 Aug 2017 20:44:51 +0000

End at: Sun, 06 Aug 2017 20:45:21 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:58:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 147.04 Mbit/s

95th percentile per-packet one-way delay: 213.172 ms

Loss rate: 1.68%

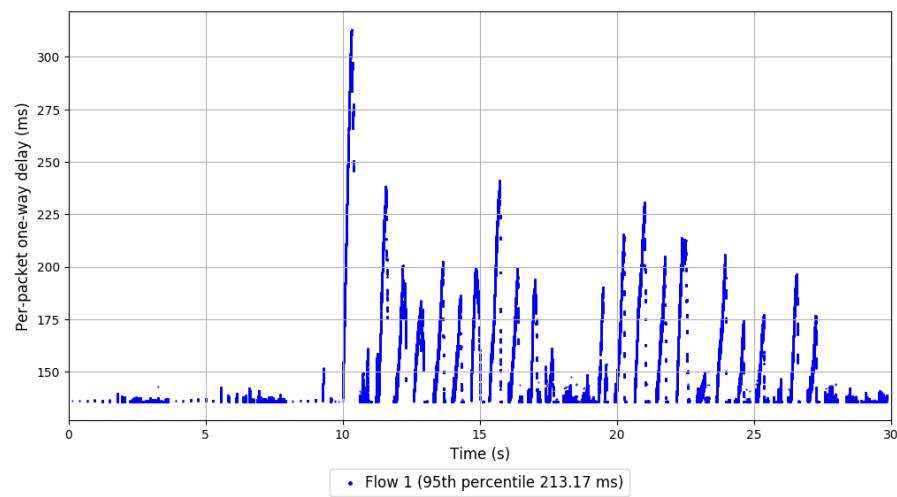
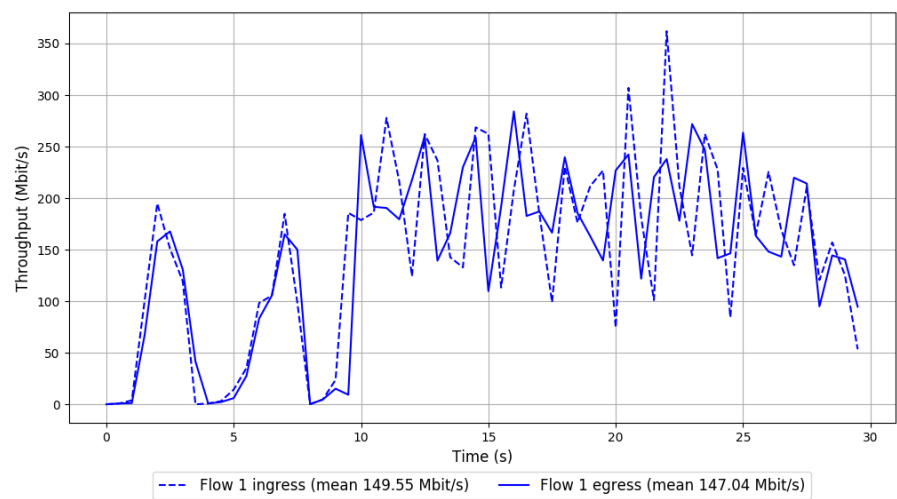
-- Flow 1:

Average throughput: 147.04 Mbit/s

95th percentile per-packet one-way delay: 213.172 ms

Loss rate: 1.68%

Run 10: Report of Verus — Data Link

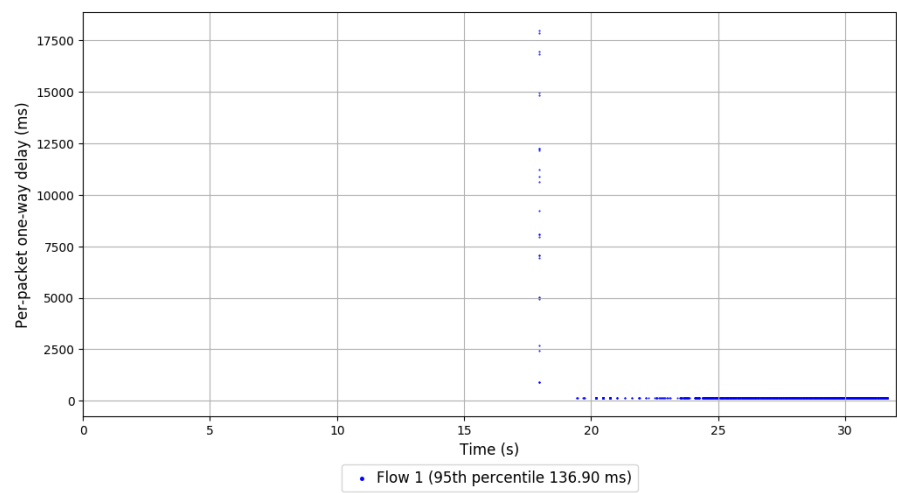
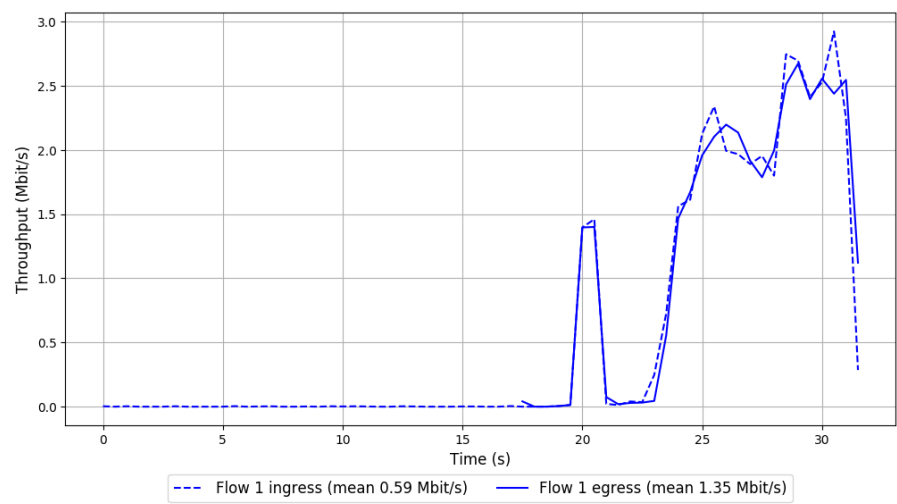


Run 1: Statistics of WebRTC media

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

End at: Sun, 06 Aug 2017 18:54:48 +0000

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

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

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

Below is generated by plot.py at Sun, 06 Aug 2017 21:58:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 137.517 ms

Loss rate: 0.00%

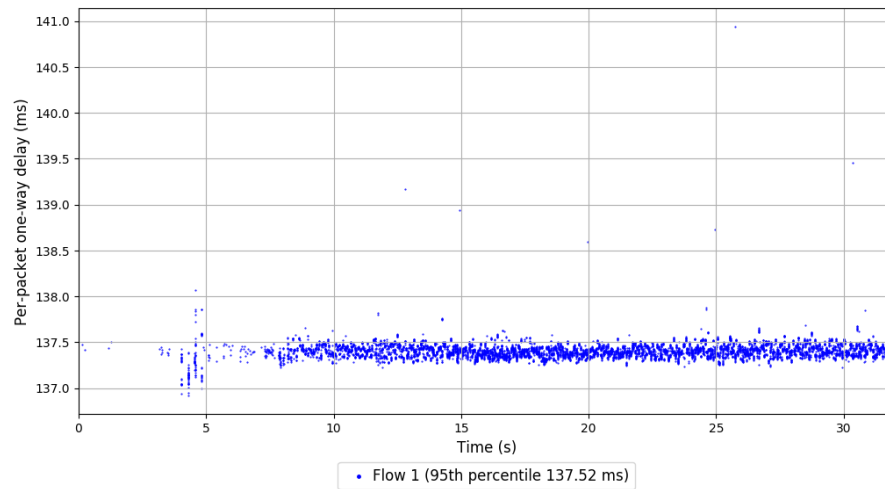
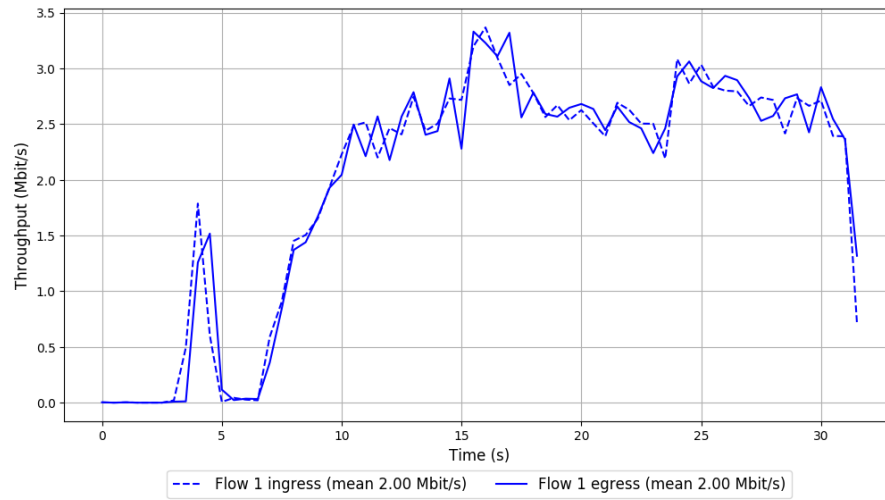
-- Flow 1:

Average throughput: 2.00 Mbit/s

95th percentile per-packet one-way delay: 137.517 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 19:17:51 +0000

End at: Sun, 06 Aug 2017 19:18:21 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:58:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.462 ms

Loss rate: 0.01%

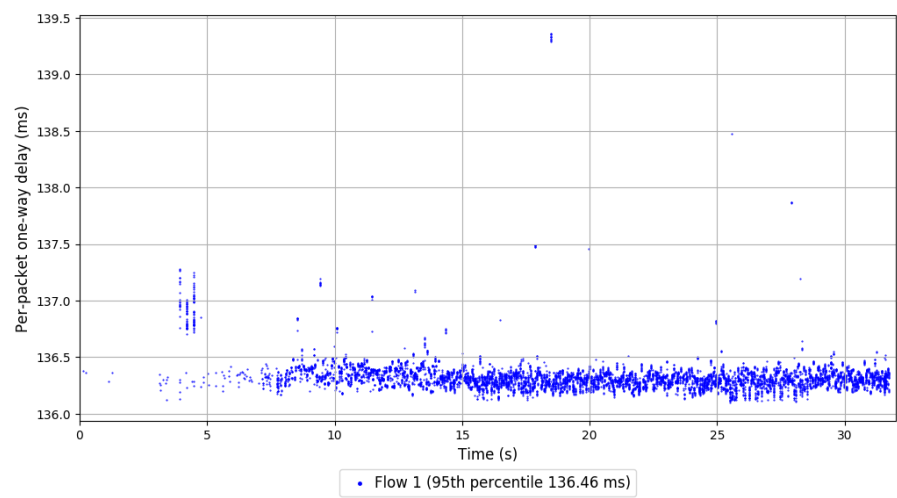
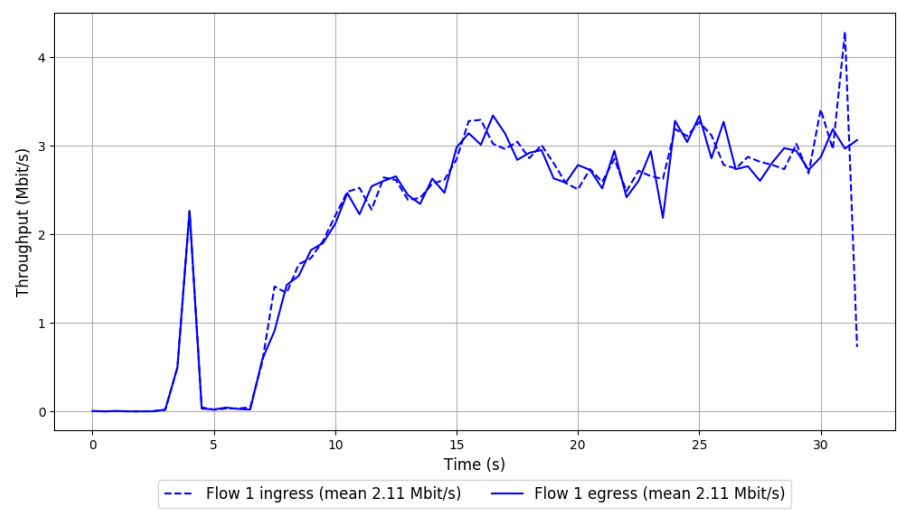
-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 136.462 ms

Loss rate: 0.01%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 19:29:17 +0000

End at: Sun, 06 Aug 2017 19:29:47 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:58:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 135.796 ms

Loss rate: 0.01%

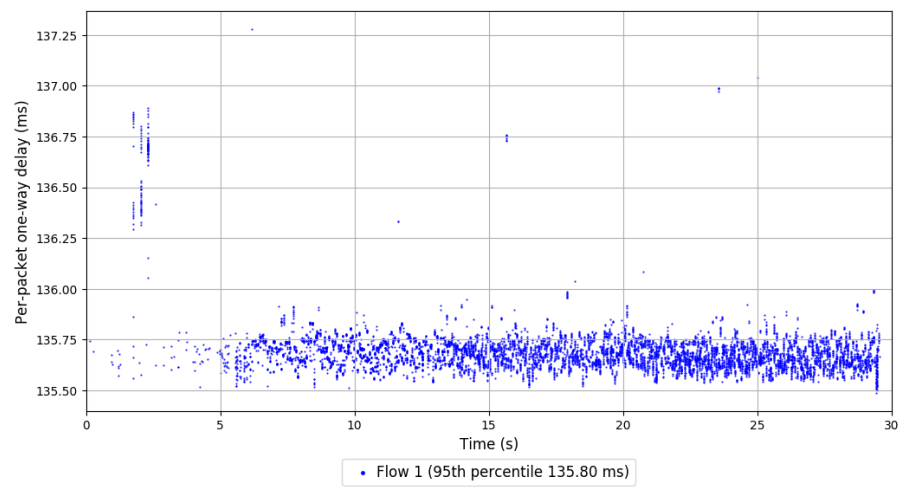
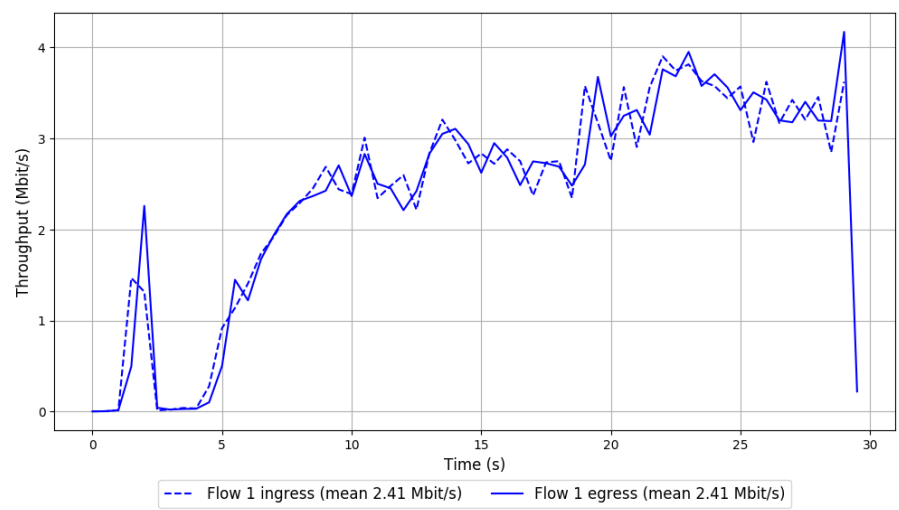
-- Flow 1:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 135.796 ms

Loss rate: 0.01%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 19:40:46 +0000

End at: Sun, 06 Aug 2017 19:41:16 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:58:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 136.946 ms

Loss rate: 0.00%

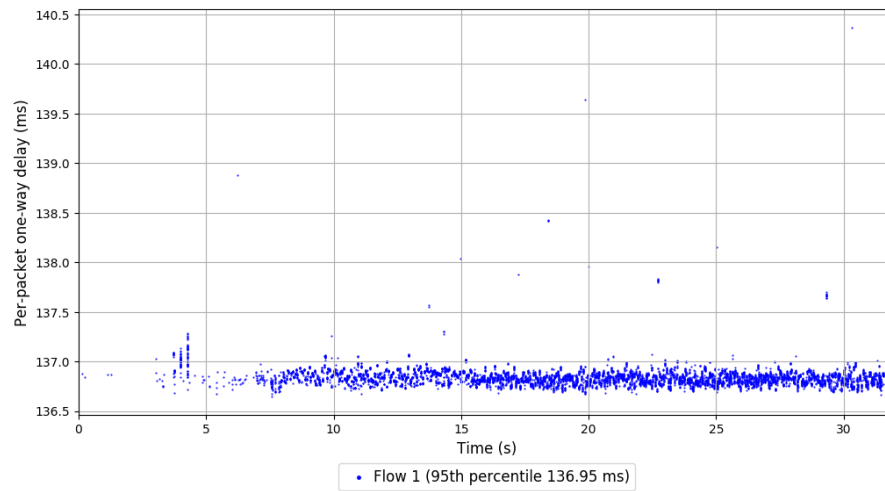
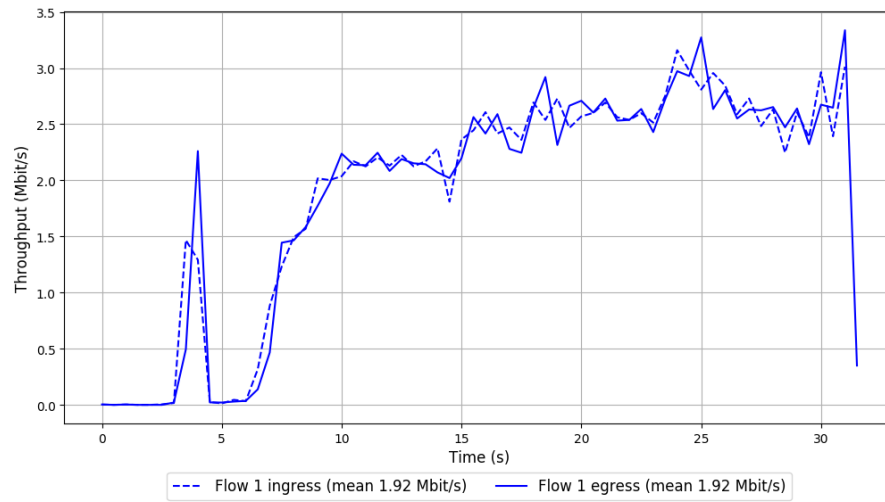
-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 136.946 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 19:52:29 +0000

End at: Sun, 06 Aug 2017 19:52:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:58:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 136.567 ms

Loss rate: 0.00%

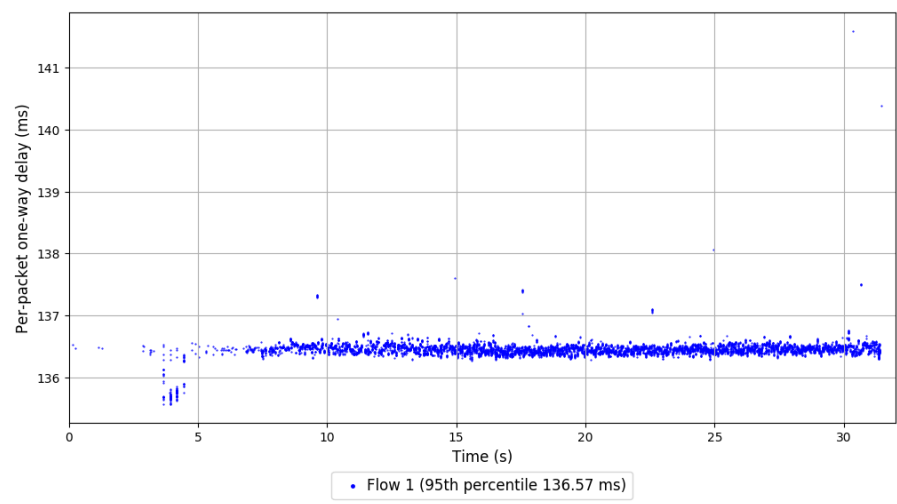
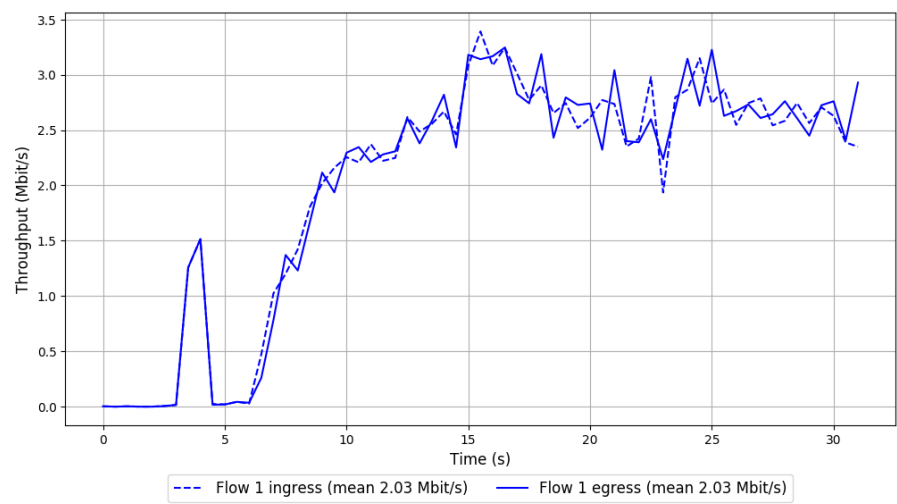
-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 136.567 ms

Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 20:03:46 +0000

End at: Sun, 06 Aug 2017 20:04:16 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:58:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 136.443 ms

Loss rate: 0.00%

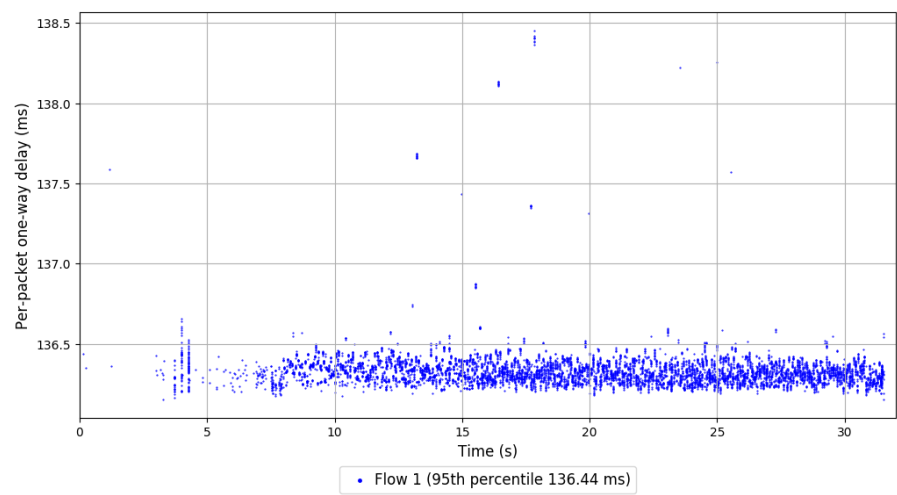
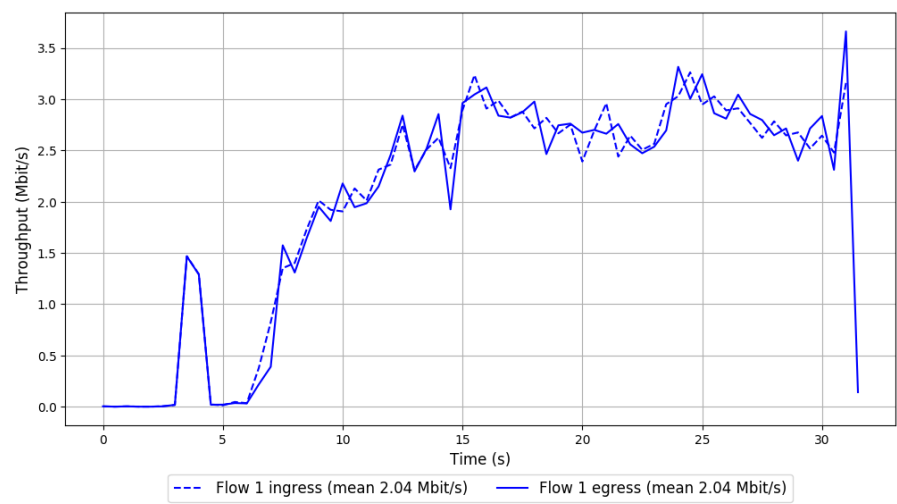
-- Flow 1:

Average throughput: 2.04 Mbit/s

95th percentile per-packet one-way delay: 136.443 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 20:15:18 +0000

End at: Sun, 06 Aug 2017 20:15:48 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:58:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 136.567 ms

Loss rate: 0.00%

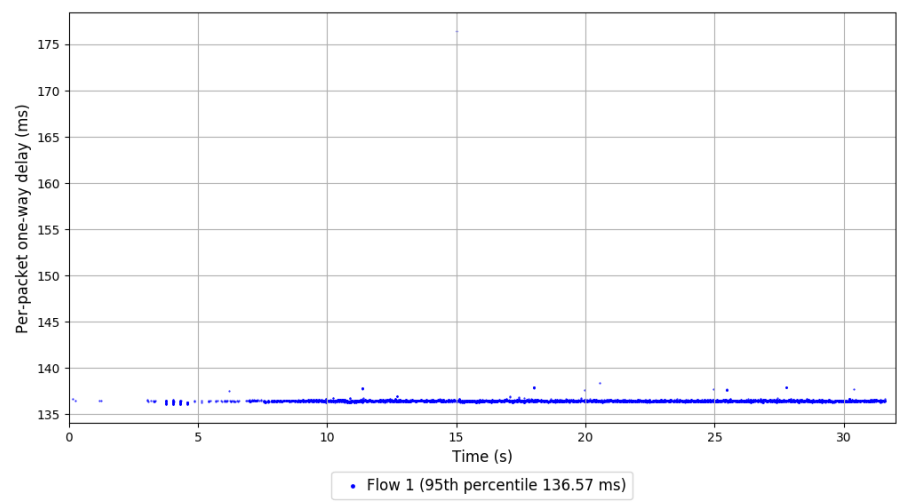
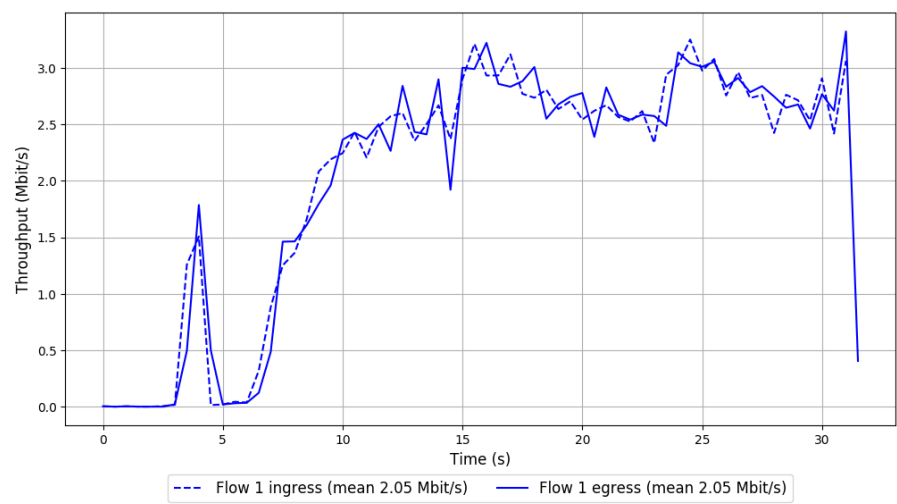
-- Flow 1:

Average throughput: 2.05 Mbit/s

95th percentile per-packet one-way delay: 136.567 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 20:26:19 +0000

End at: Sun, 06 Aug 2017 20:26:49 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:58:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 135.802 ms

Loss rate: 0.00%

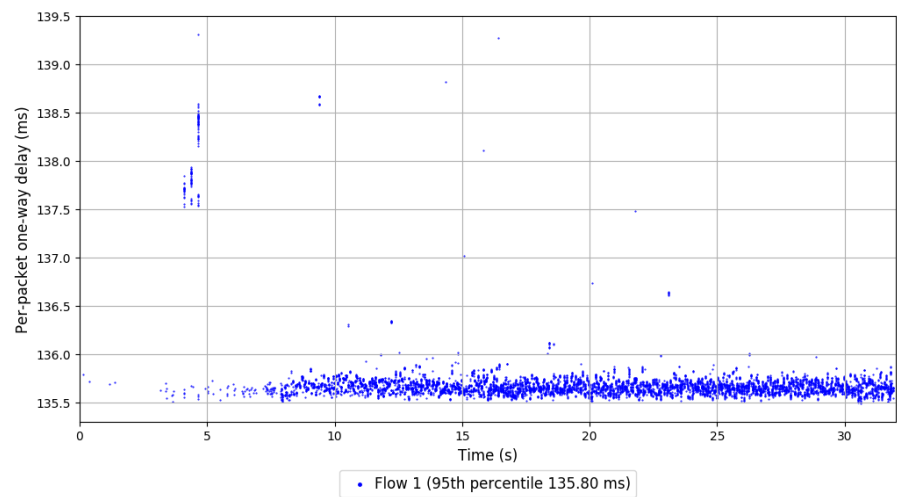
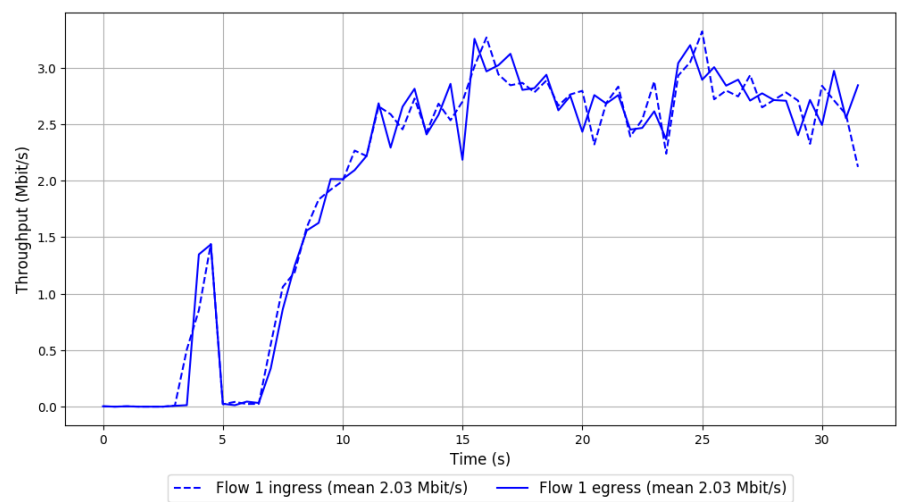
-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 135.802 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 20:37:42 +0000

End at: Sun, 06 Aug 2017 20:38:12 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 21:58:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 137.329 ms

Loss rate: 0.02%

-- Flow 1:

Average throughput: 2.01 Mbit/s

95th percentile per-packet one-way delay: 137.329 ms

Loss rate: 0.02%

Run 10: Report of WebRTC media — Data Link

