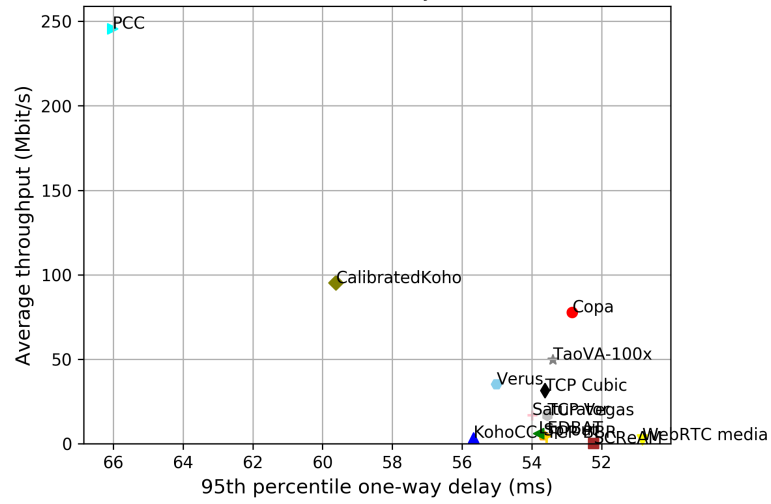


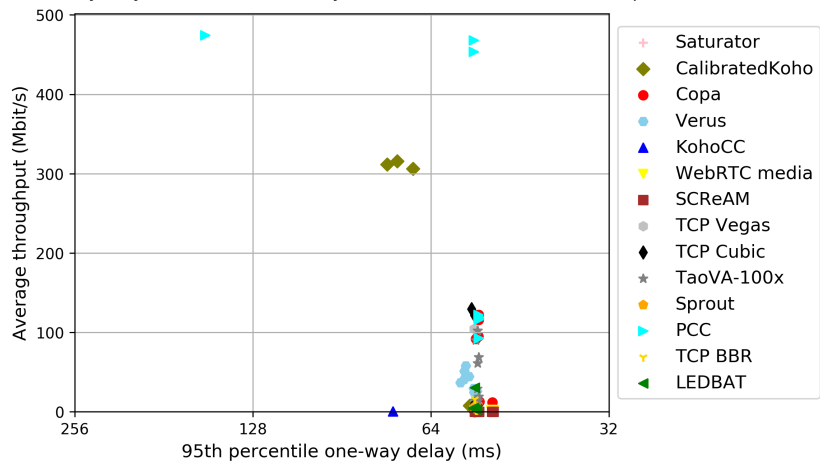
Pantheon Summary (Generated at Sun, 06 Aug 2017 04:56:11 +0000 with
pantheon version 33c7b8d34ce04c76596315aa973f0b30d6129d55)
Repeated the test of 15 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Data path: GCE Sydney Ethernet (*local*) → GCE Tokyo Ethernet (*remote*).

```
git branch: master @ 33c7b8d34ce04c76596315aa973f0b30d6129d55
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 Tokyo Ethernet, 10 runs of 30s each per scheme
(mean of all runs by scheme)



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	3.49	53.58	40.46
CalibratedKoho	10	95.24	59.62	48.70
Copa	10	77.79	52.84	25.23
TCP Cubic	10	31.60	53.63	1.99
KohoCC	10	3.62	55.67	66.21
LEDBAT	10	6.18	53.81	2.97
PCC	10	245.63	66.03	5.93
QUIC Cubic	10	nan	nan	nan
Saturator	10	16.91	53.99	16.31
SCReAM	10	0.21	52.23	0.00
Sprout	10	5.02	53.67	11.99
TaoVA-100x	10	49.74	53.39	3.80
TCP Vegas	10	16.90	53.56	1.37
Verus	10	35.29	55.01	67.59
WebRTC media	10	2.35	50.83	0.00

Run 1: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 02:08:41 +0000

End at: Sun, 06 Aug 2017 02:09:12 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:44:11 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 53.674 ms

Loss rate: 51.42%

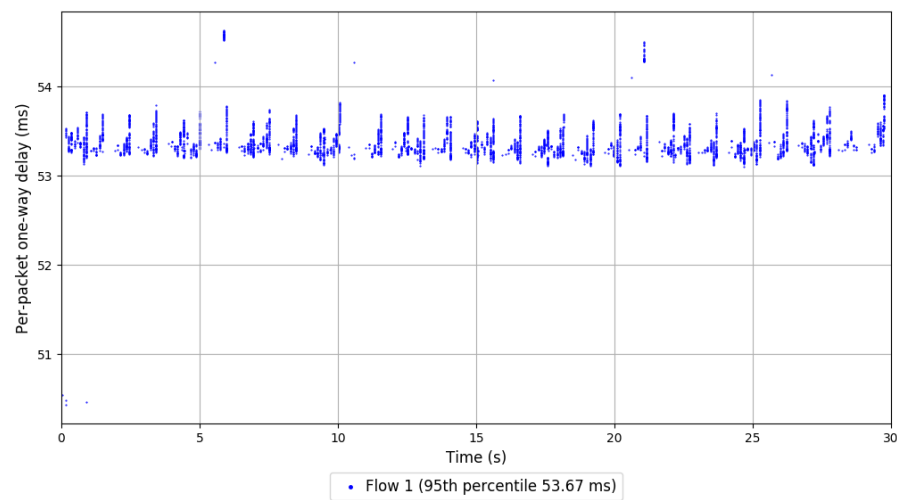
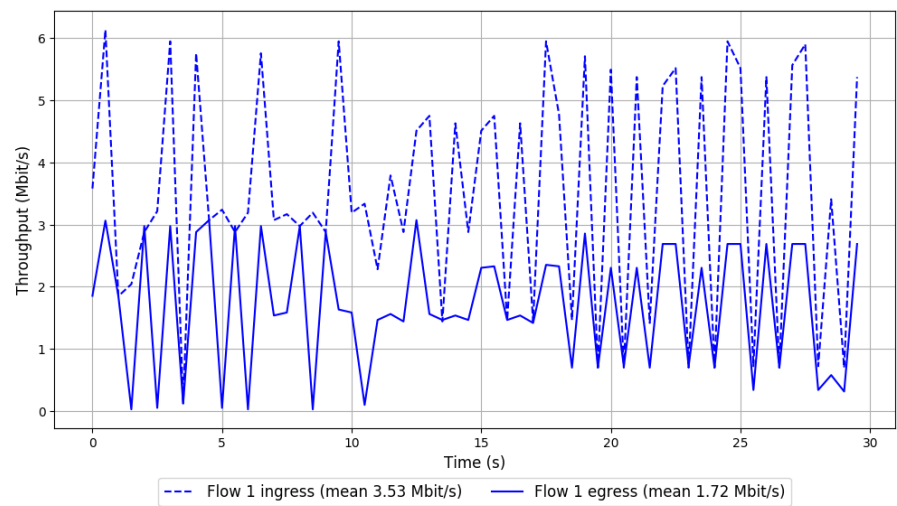
-- Flow 1:

Average throughput: 1.72 Mbit/s

95th percentile per-packet one-way delay: 53.674 ms

Loss rate: 51.42%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 02:18:31 +0000

End at: Sun, 06 Aug 2017 02:19:01 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:44:11 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 53.493 ms

Loss rate: 51.33%

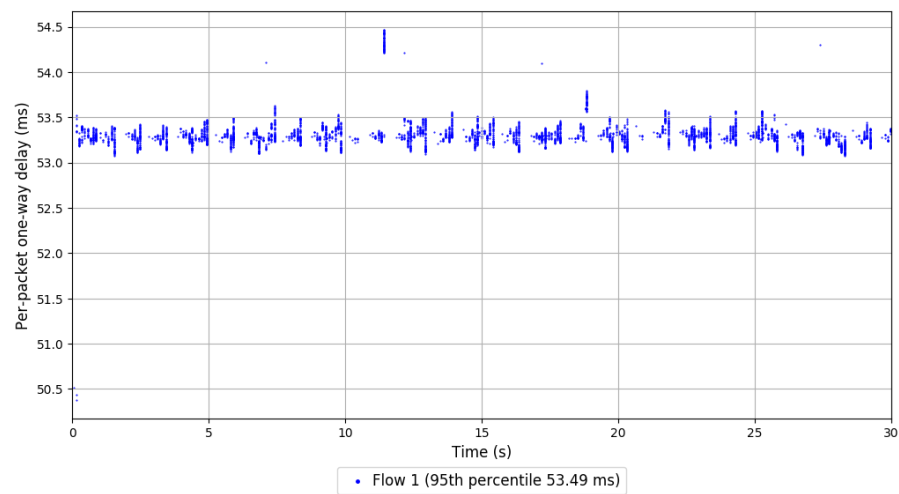
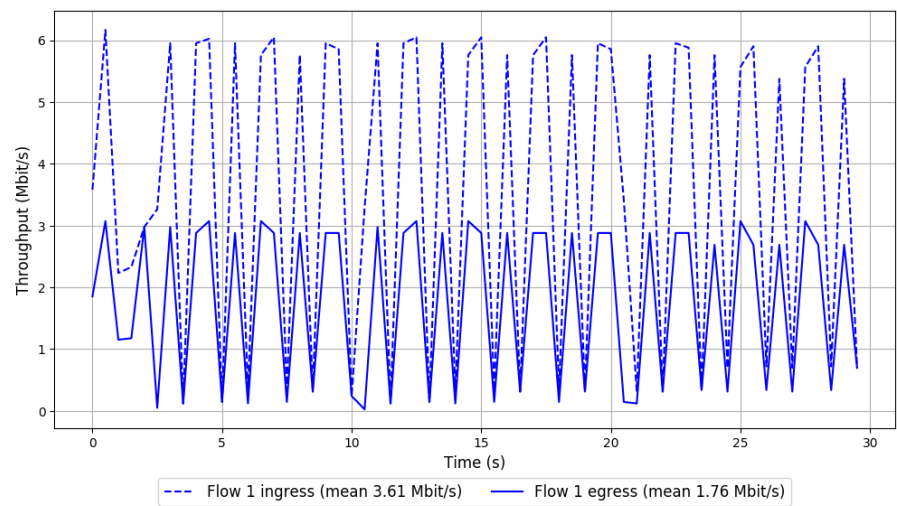
-- Flow 1:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 53.493 ms

Loss rate: 51.33%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 02:28:03 +0000

End at: Sun, 06 Aug 2017 02:28:33 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:44:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.59 Mbit/s

95th percentile per-packet one-way delay: 53.454 ms

Loss rate: 30.69%

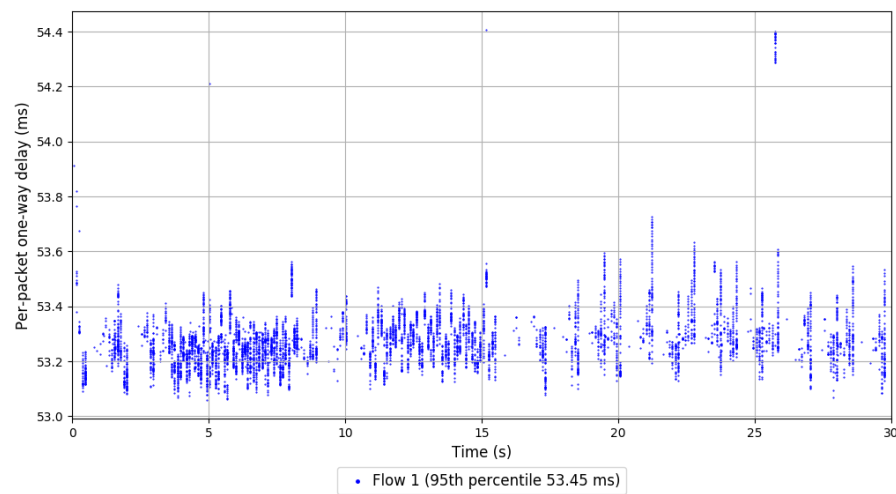
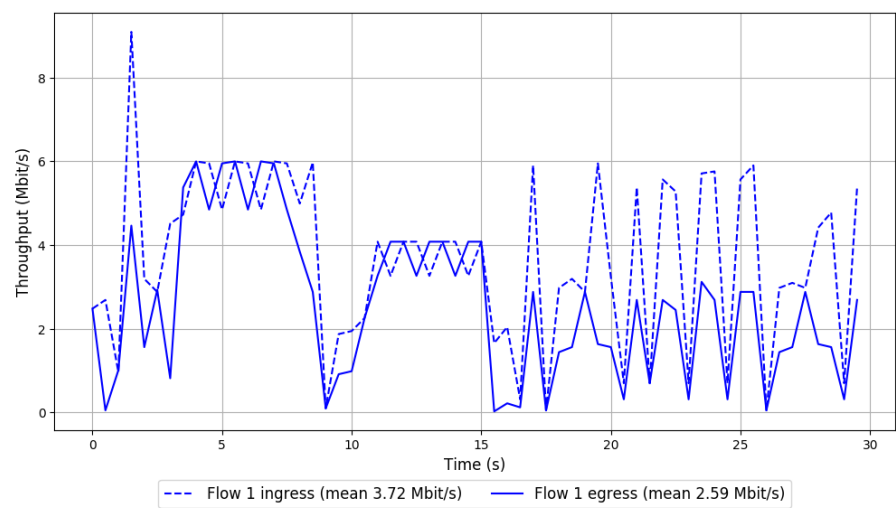
-- Flow 1:

Average throughput: 2.59 Mbit/s

95th percentile per-packet one-way delay: 53.454 ms

Loss rate: 30.69%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 02:37:42 +0000

End at: Sun, 06 Aug 2017 02:38:12 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:44:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.73 Mbit/s

95th percentile per-packet one-way delay: 53.427 ms

Loss rate: 23.39%

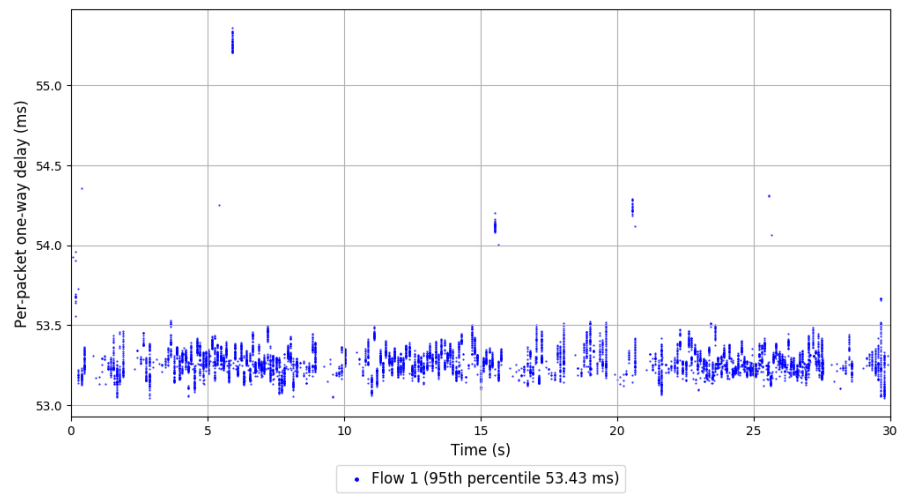
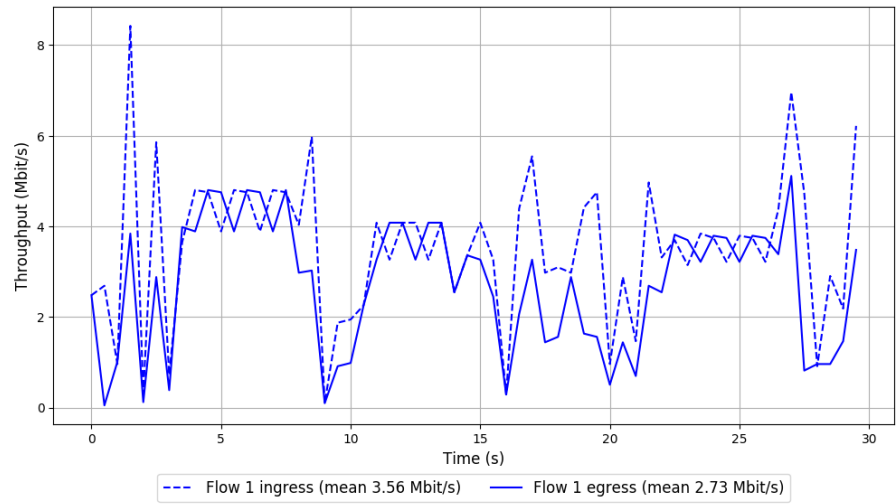
-- Flow 1:

Average throughput: 2.73 Mbit/s

95th percentile per-packet one-way delay: 53.427 ms

Loss rate: 23.39%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 02:47:21 +0000

End at: Sun, 06 Aug 2017 02:47:51 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:44:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 53.581 ms

Loss rate: 38.55%

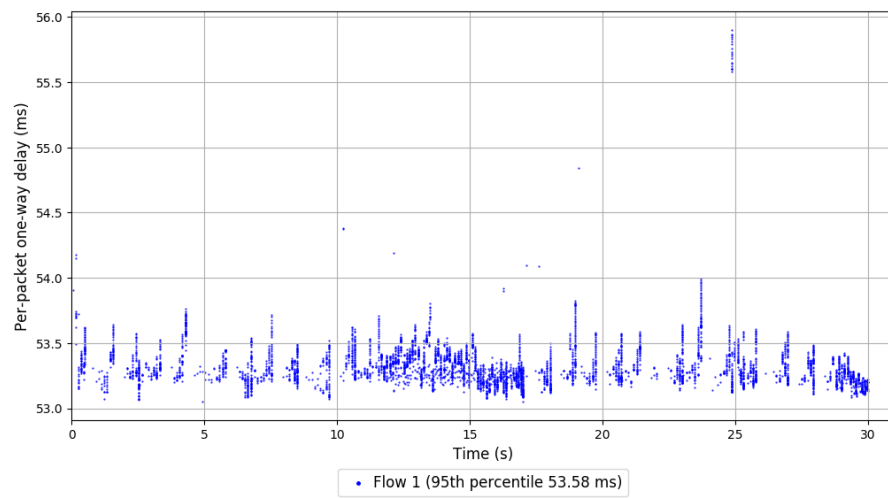
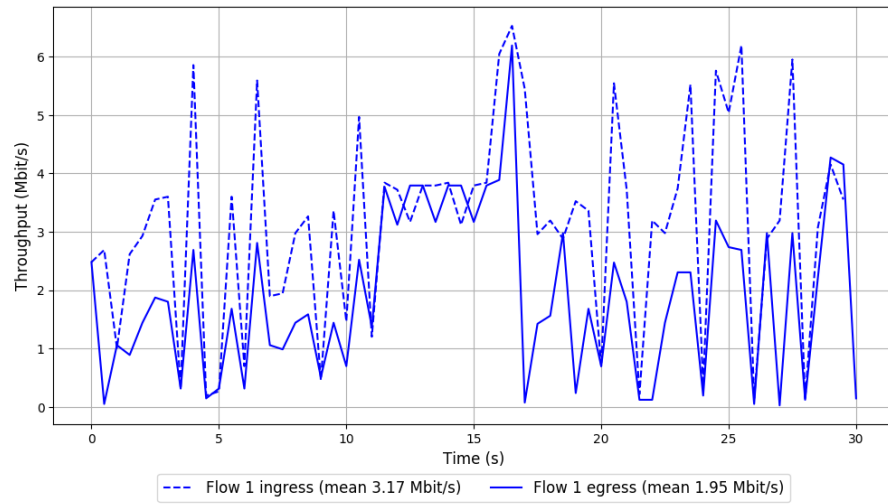
-- Flow 1:

Average throughput: 1.95 Mbit/s

95th percentile per-packet one-way delay: 53.581 ms

Loss rate: 38.55%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 02:57:33 +0000

End at: Sun, 06 Aug 2017 02:58:03 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:44:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 53.598 ms

Loss rate: 49.88%

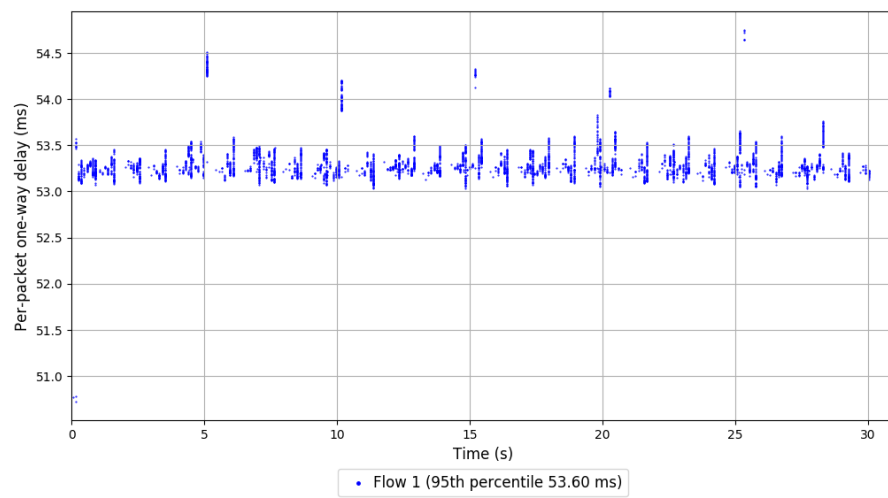
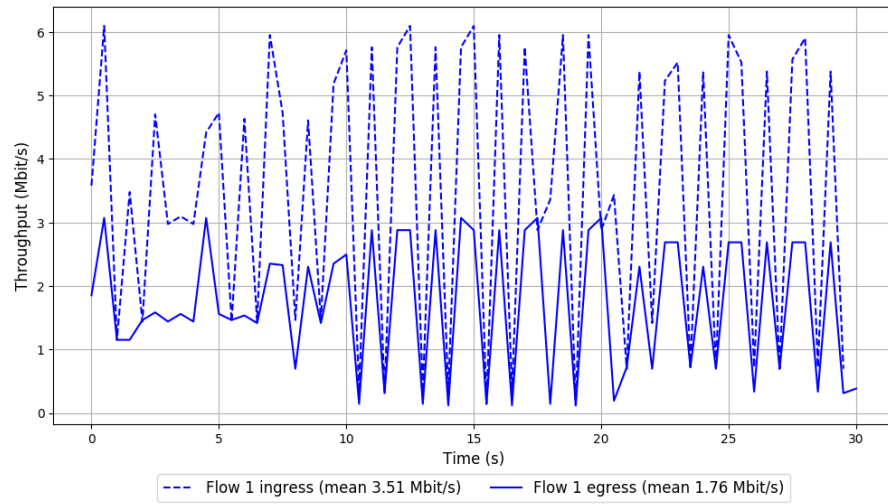
-- Flow 1:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 53.598 ms

Loss rate: 49.88%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 03:07:09 +0000

End at: Sun, 06 Aug 2017 03:07:39 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:44:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 53.719 ms

Loss rate: 50.52%

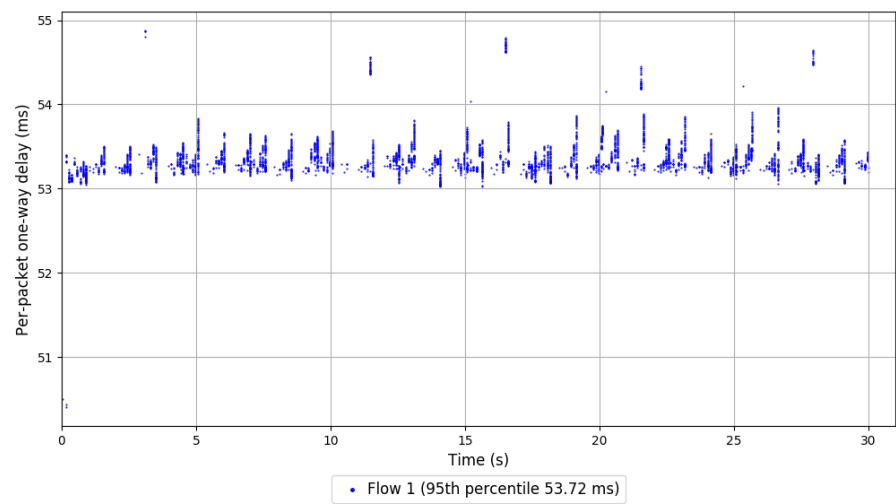
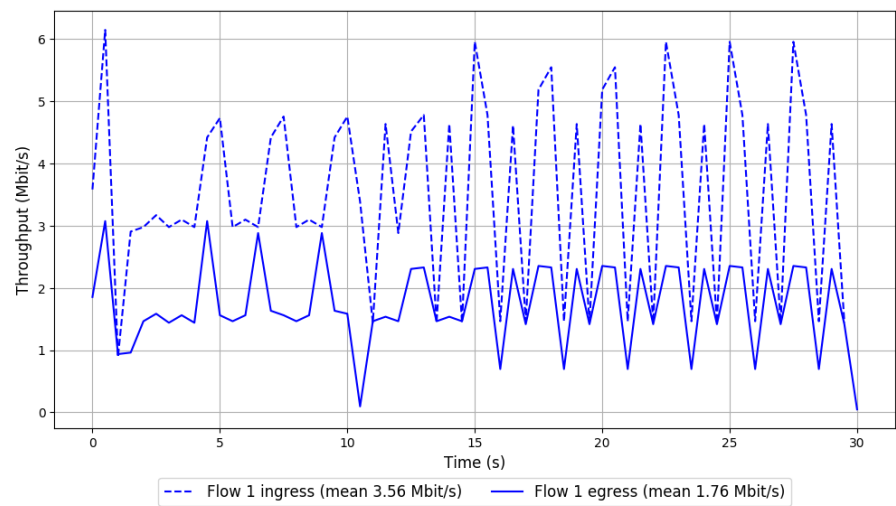
-- Flow 1:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 53.719 ms

Loss rate: 50.52%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 03:16:50 +0000

End at: Sun, 06 Aug 2017 03:17:20 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:44:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.87 Mbit/s

95th percentile per-packet one-way delay: 53.942 ms

Loss rate: 36.01%

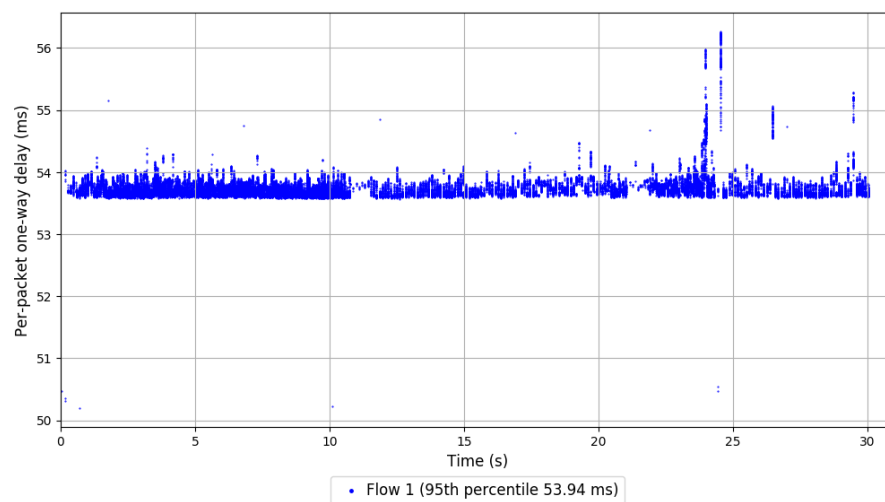
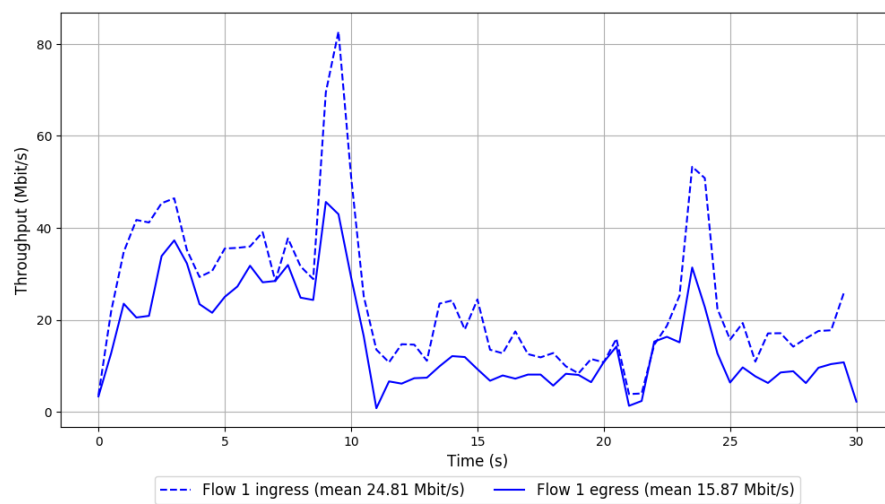
-- Flow 1:

Average throughput: 15.87 Mbit/s

95th percentile per-packet one-way delay: 53.942 ms

Loss rate: 36.01%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 03:26:49 +0000

End at: Sun, 06 Aug 2017 03:27:19 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:44:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 53.536 ms

Loss rate: 42.46%

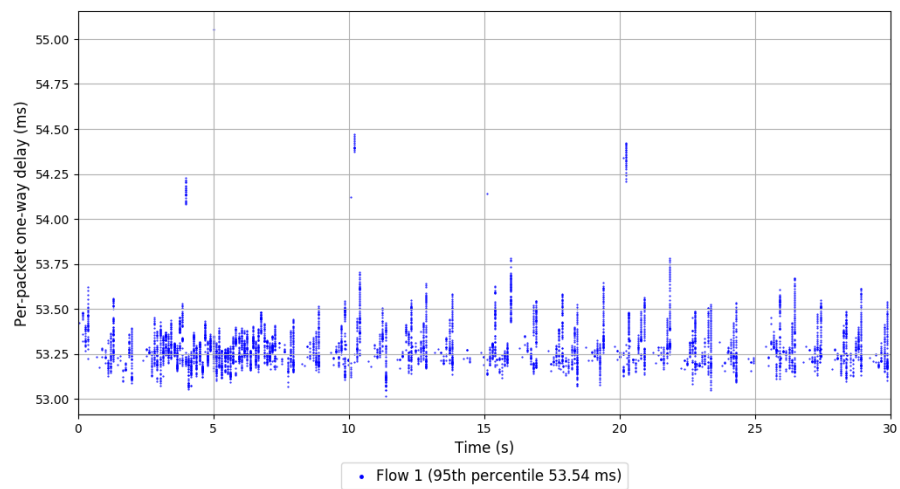
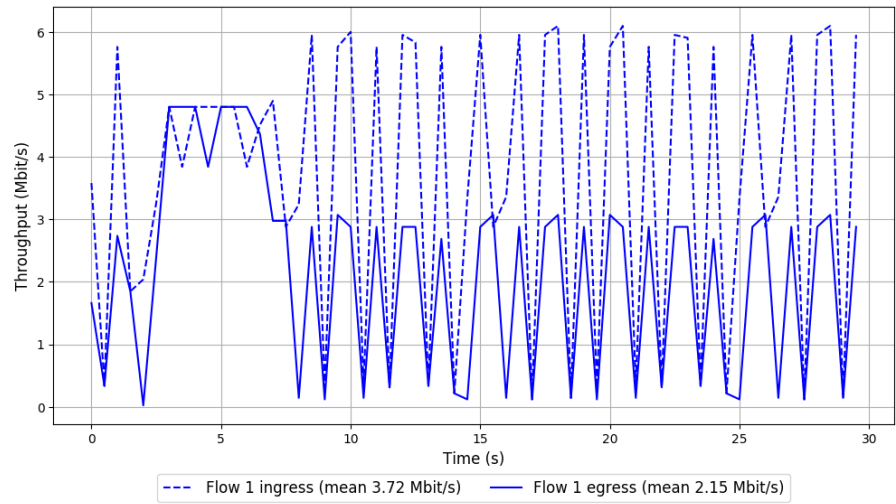
-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 53.536 ms

Loss rate: 42.46%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 03:36:59 +0000

End at: Sun, 06 Aug 2017 03:37:29 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:44:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.58 Mbit/s

95th percentile per-packet one-way delay: 53.419 ms

Loss rate: 30.31%

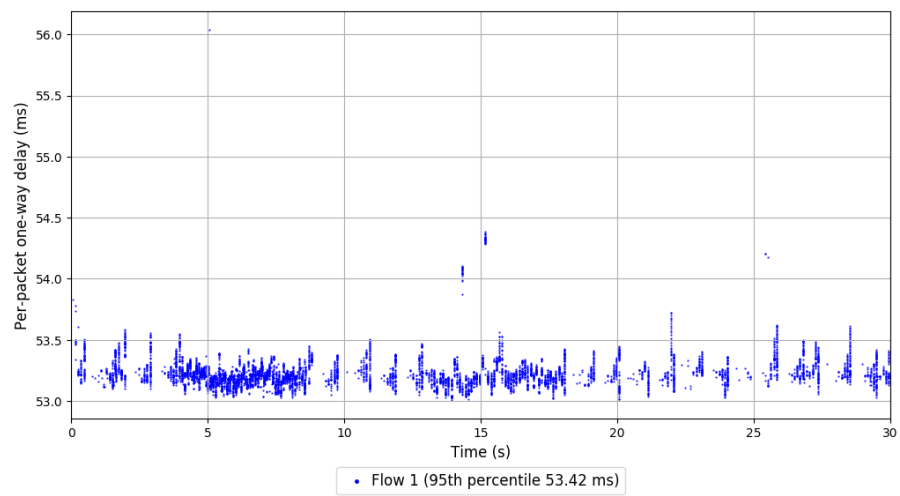
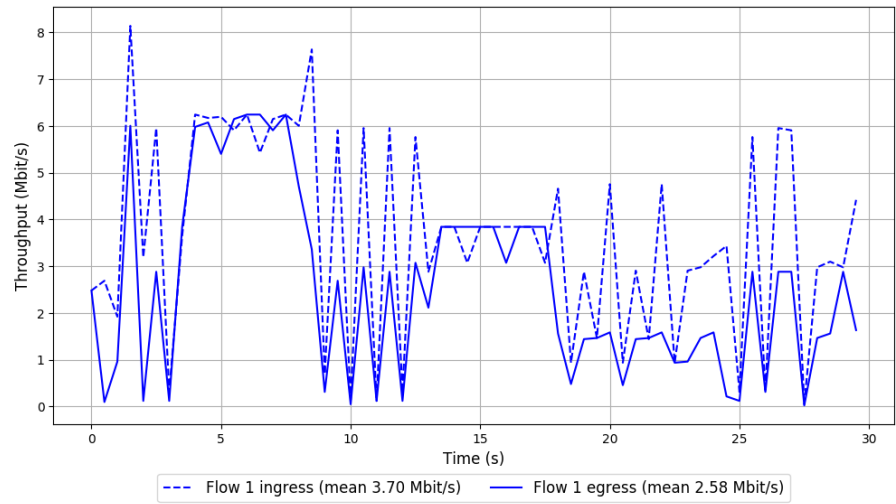
-- Flow 1:

Average throughput: 2.58 Mbit/s

95th percentile per-packet one-way delay: 53.419 ms

Loss rate: 30.31%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 02:13:07 +0000

End at: Sun, 06 Aug 2017 02:13:37 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:44:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 54.076 ms

Loss rate: 68.96%

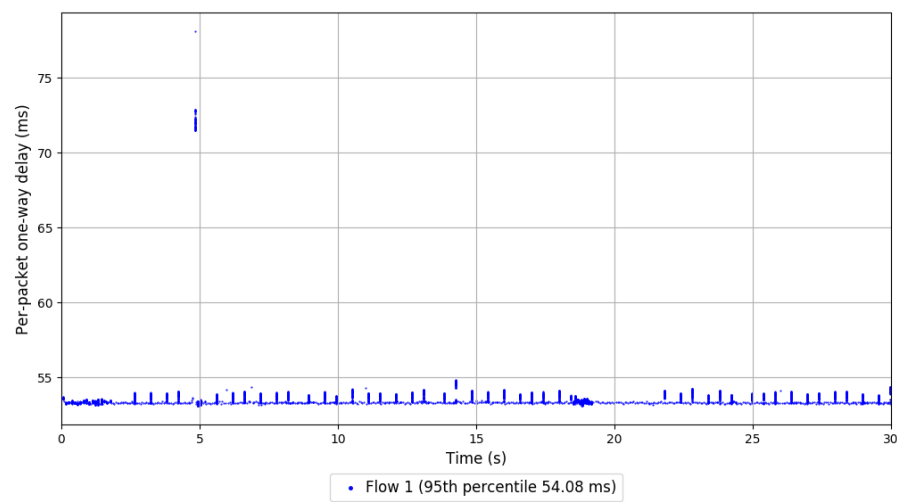
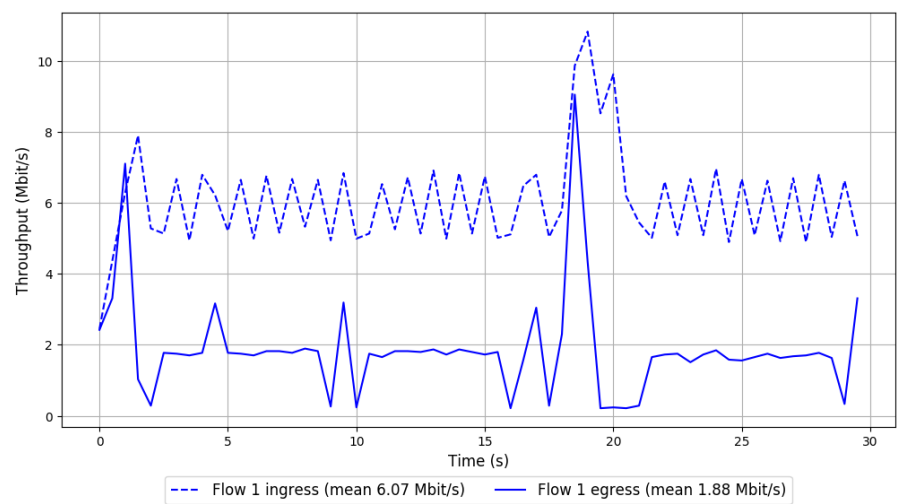
-- Flow 1:

Average throughput: 1.88 Mbit/s

95th percentile per-packet one-way delay: 54.076 ms

Loss rate: 68.96%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 02:22:59 +0000

End at: Sun, 06 Aug 2017 02:23:29 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:44:23 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 53.992 ms

Loss rate: 69.58%

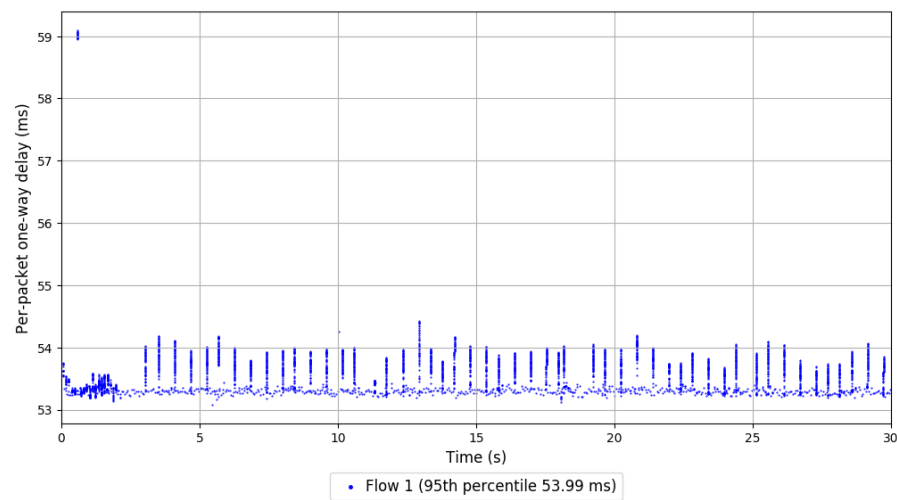
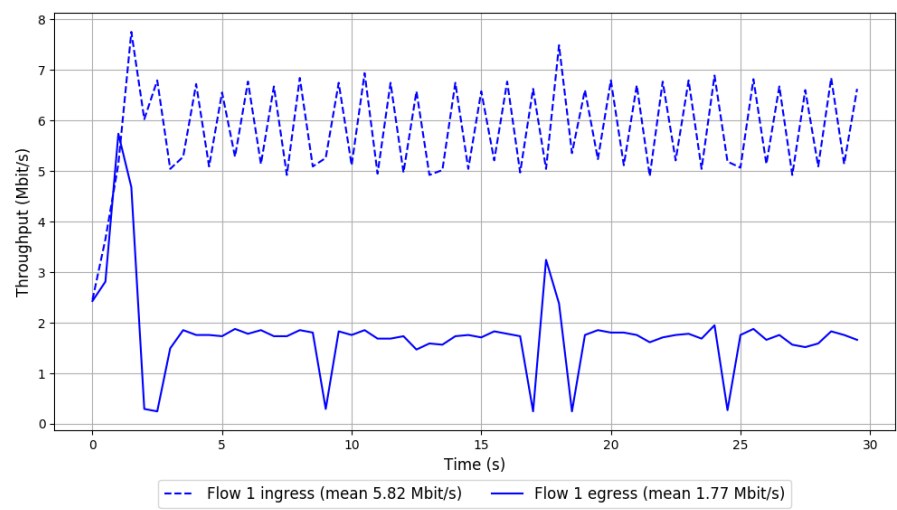
-- Flow 1:

Average throughput: 1.77 Mbit/s

95th percentile per-packet one-way delay: 53.992 ms

Loss rate: 69.58%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 02:32:29 +0000

End at: Sun, 06 Aug 2017 02:32:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:44:24 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 54.031 ms

Loss rate: 69.59%

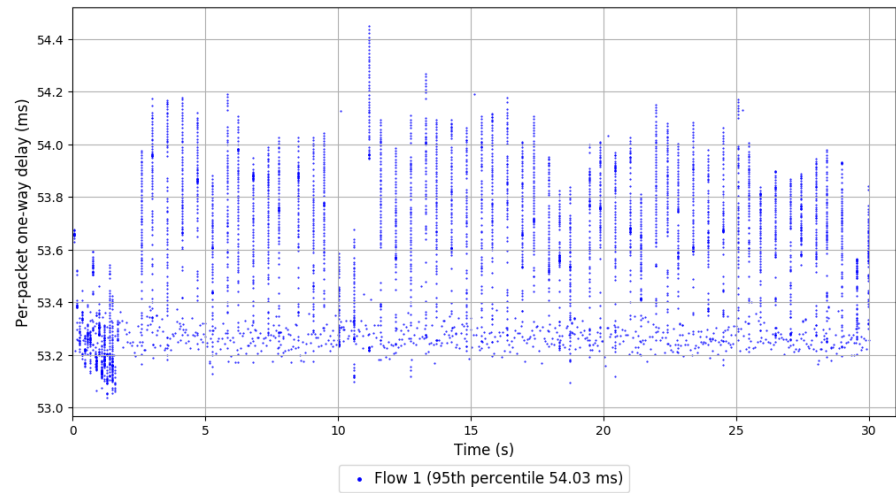
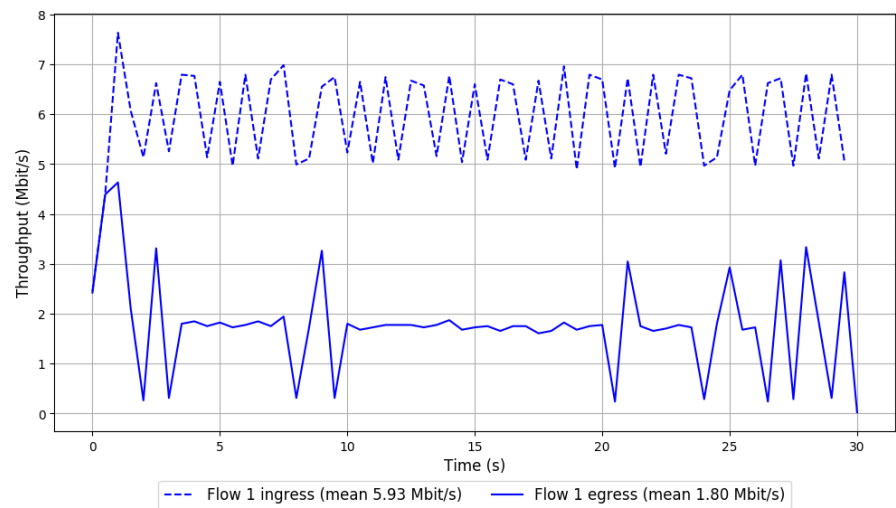
-- Flow 1:

Average throughput: 1.80 Mbit/s

95th percentile per-packet one-way delay: 54.031 ms

Loss rate: 69.59%

Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 02:42:05 +0000

End at: Sun, 06 Aug 2017 02:42:35 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:44:25 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 53.954 ms

Loss rate: 68.66%

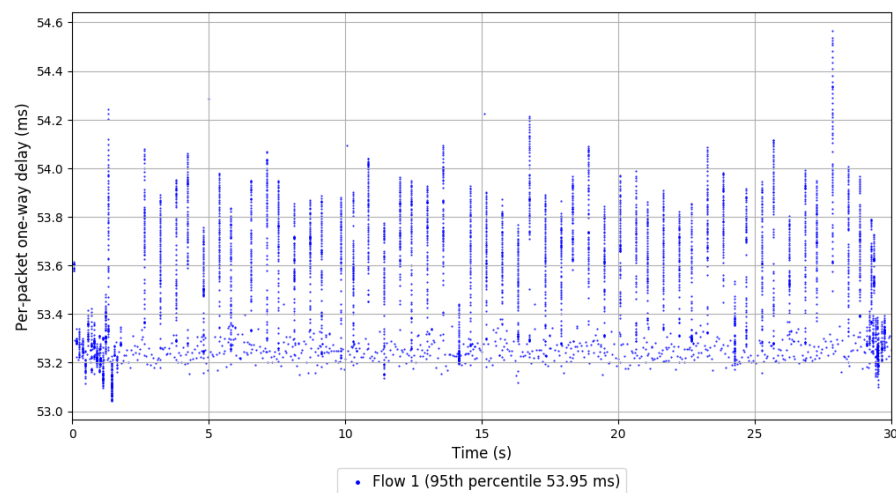
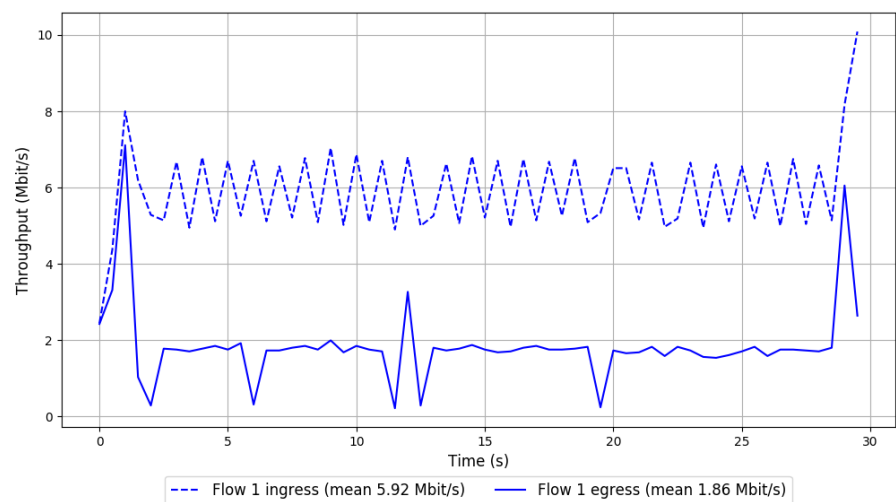
-- Flow 1:

Average throughput: 1.86 Mbit/s

95th percentile per-packet one-way delay: 53.954 ms

Loss rate: 68.66%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 02:51:48 +0000

End at: Sun, 06 Aug 2017 02:52:18 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:45:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 306.41 Mbit/s

95th percentile per-packet one-way delay: 68.573 ms

Loss rate: 0.00%

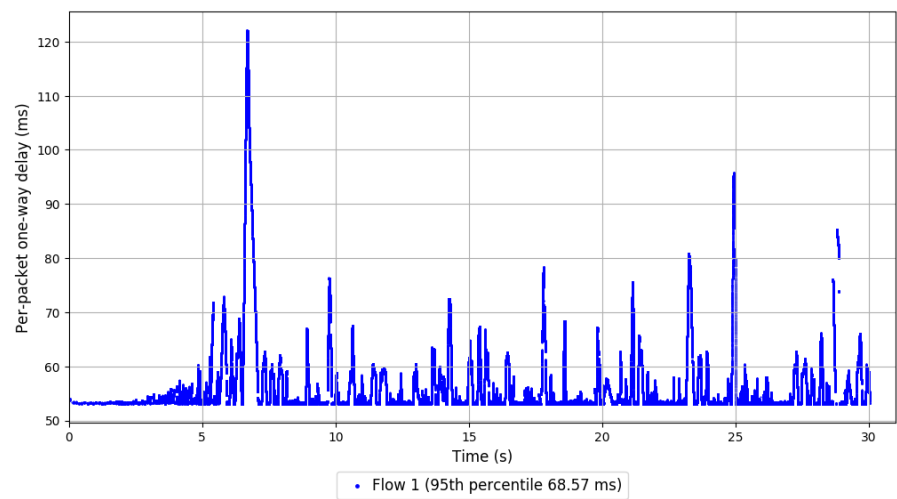
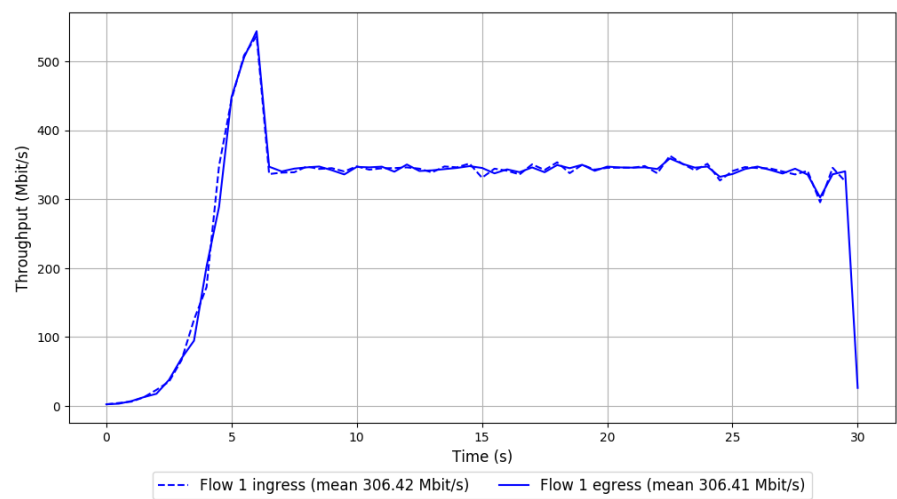
-- Flow 1:

Average throughput: 306.41 Mbit/s

95th percentile per-packet one-way delay: 68.573 ms

Loss rate: 0.00%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 03:01:59 +0000

End at: Sun, 06 Aug 2017 03:02:29 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:45:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.75 Mbit/s

95th percentile per-packet one-way delay: 53.881 ms

Loss rate: 69.89%

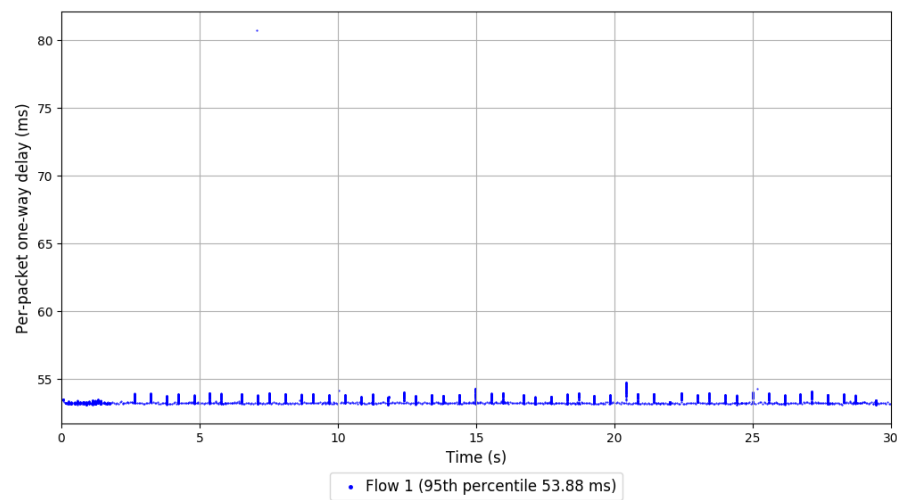
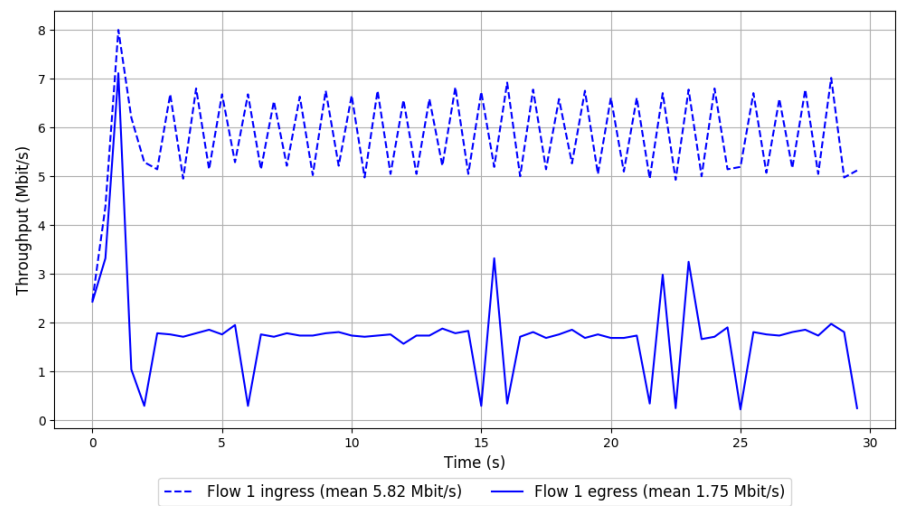
-- Flow 1:

Average throughput: 1.75 Mbit/s

95th percentile per-packet one-way delay: 53.881 ms

Loss rate: 69.89%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 03:11:33 +0000

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

Below is generated by plot.py at Sun, 06 Aug 2017 04:45:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 53.855 ms

Loss rate: 69.60%

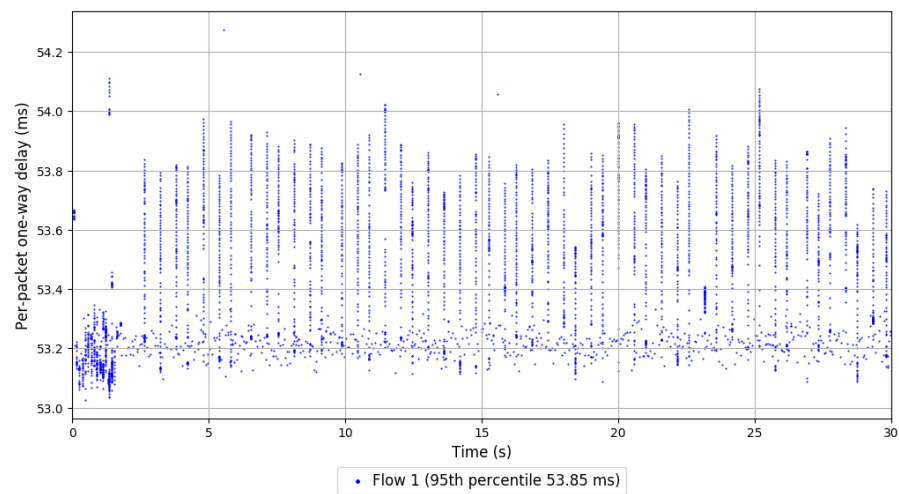
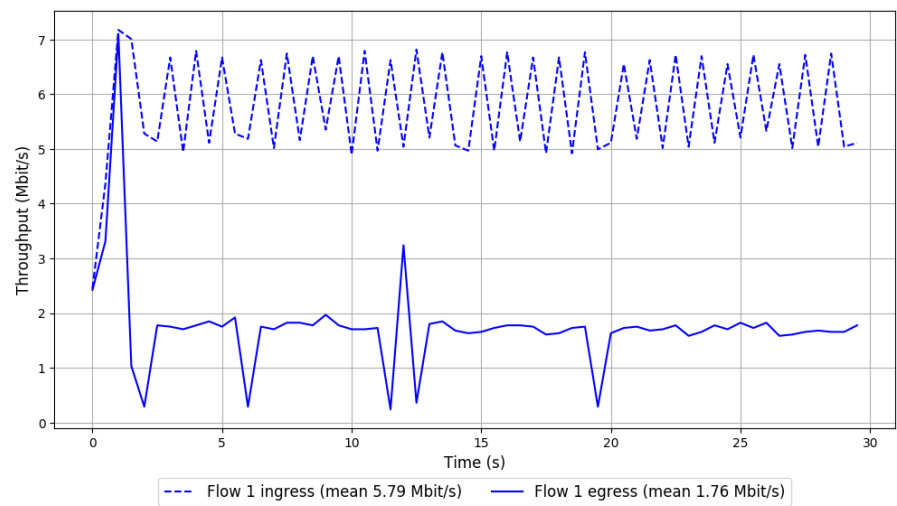
-- Flow 1:

Average throughput: 1.76 Mbit/s

95th percentile per-packet one-way delay: 53.855 ms

Loss rate: 69.60%

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 03:21:14 +0000

End at: Sun, 06 Aug 2017 03:21:44 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:45:32 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 311.52 Mbit/s

95th percentile per-packet one-way delay: 75.881 ms

Loss rate: 0.02%

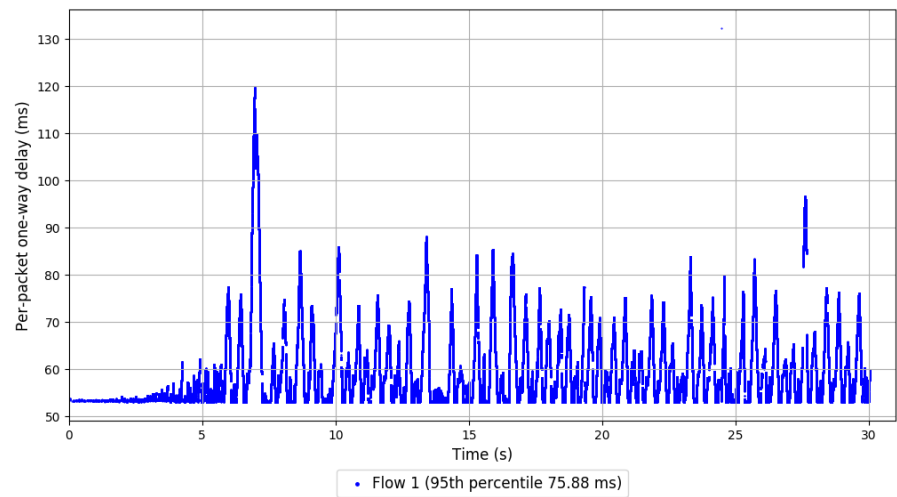
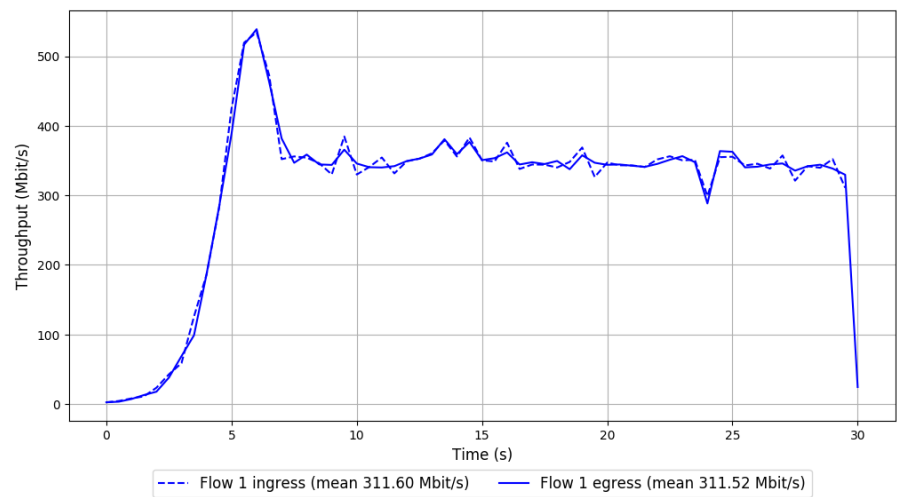
-- Flow 1:

Average throughput: 311.52 Mbit/s

95th percentile per-packet one-way delay: 75.881 ms

Loss rate: 0.02%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 03:31:15 +0000

End at: Sun, 06 Aug 2017 03:31:45 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:46:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 315.78 Mbit/s

95th percentile per-packet one-way delay: 72.931 ms

Loss rate: 0.03%

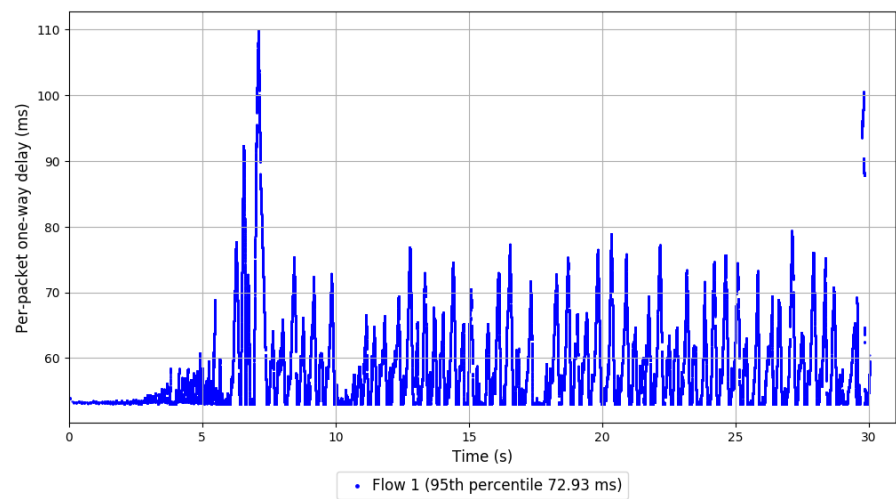
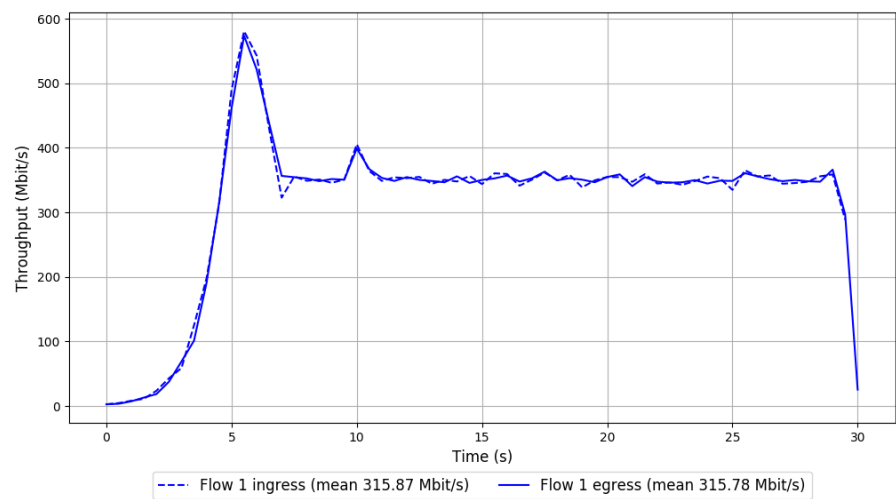
-- Flow 1:

Average throughput: 315.78 Mbit/s

95th percentile per-packet one-way delay: 72.931 ms

Loss rate: 0.03%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 03:41:24 +0000

End at: Sun, 06 Aug 2017 03:41:54 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:46:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.84 Mbit/s

95th percentile per-packet one-way delay: 54.983 ms

Loss rate: 70.64%

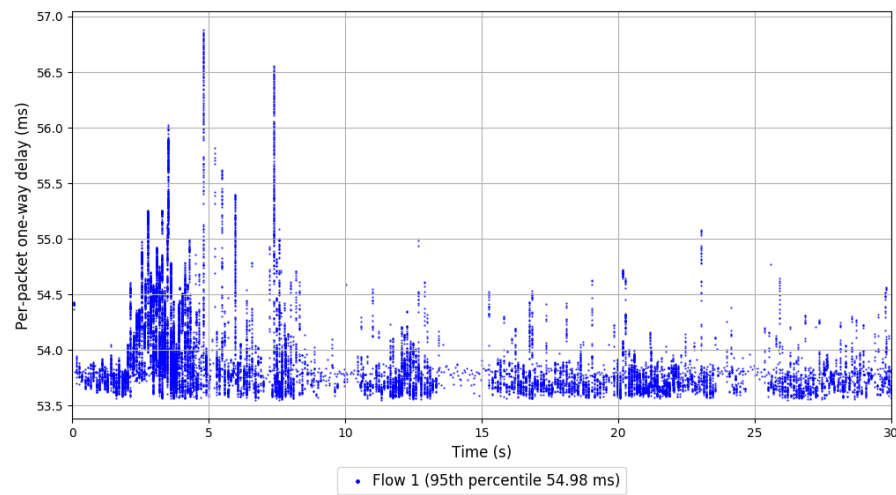
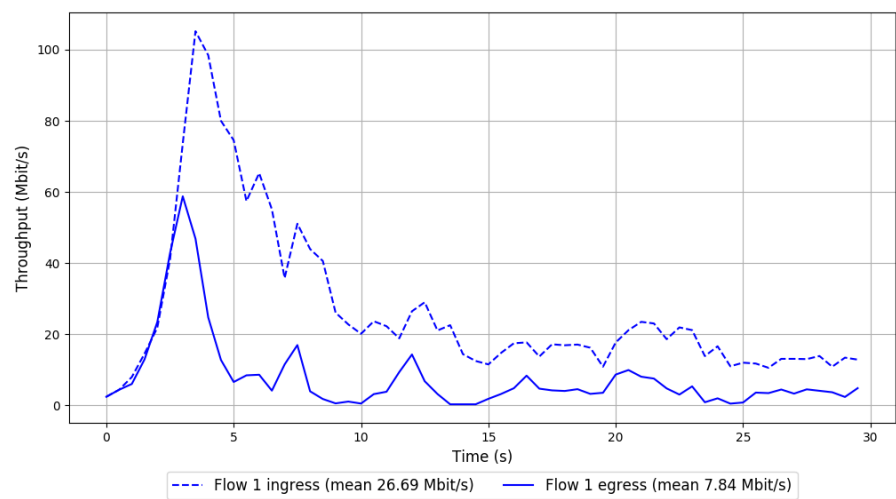
-- Flow 1:

Average throughput: 7.84 Mbit/s

95th percentile per-packet one-way delay: 54.983 ms

Loss rate: 70.64%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Sun, 06 Aug 2017 02:15:00 +0000

End at: Sun, 06 Aug 2017 02:15:30 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:46:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 53.221 ms

Loss rate: 0.00%

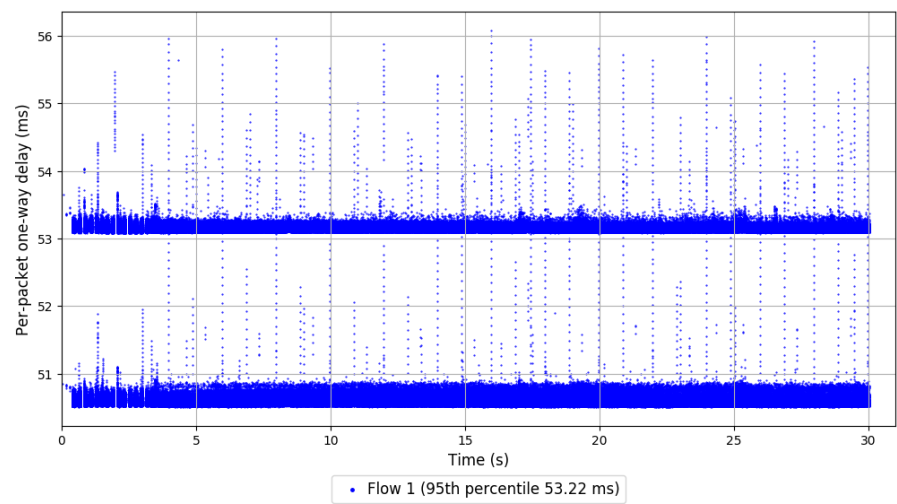
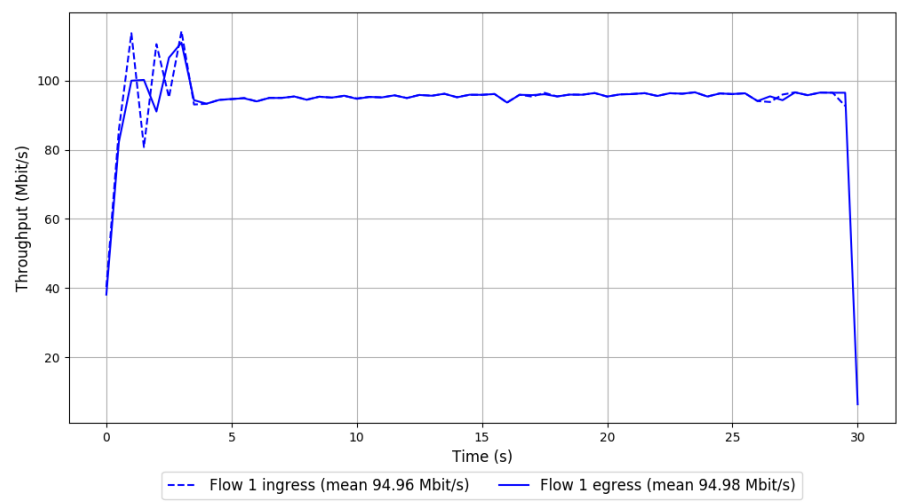
-- Flow 1:

Average throughput: 94.98 Mbit/s

95th percentile per-packet one-way delay: 53.221 ms

Loss rate: 0.00%

Run 1: Report of Copa — Data Link

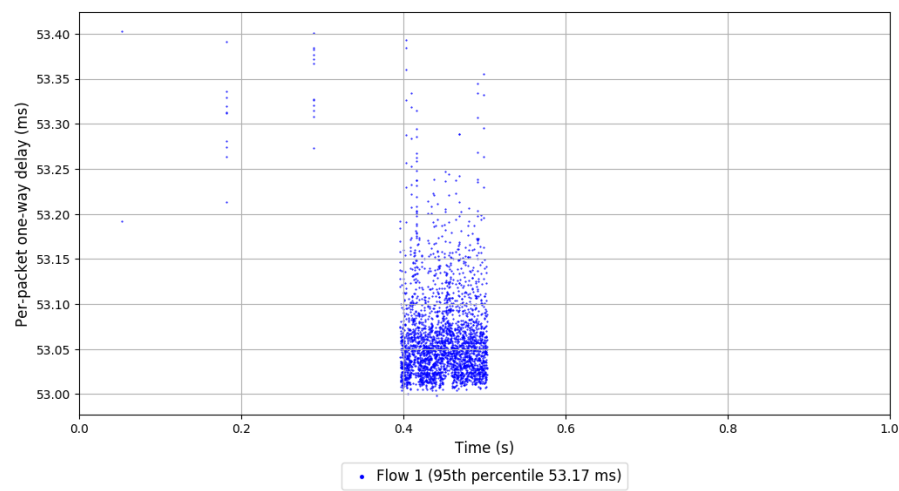
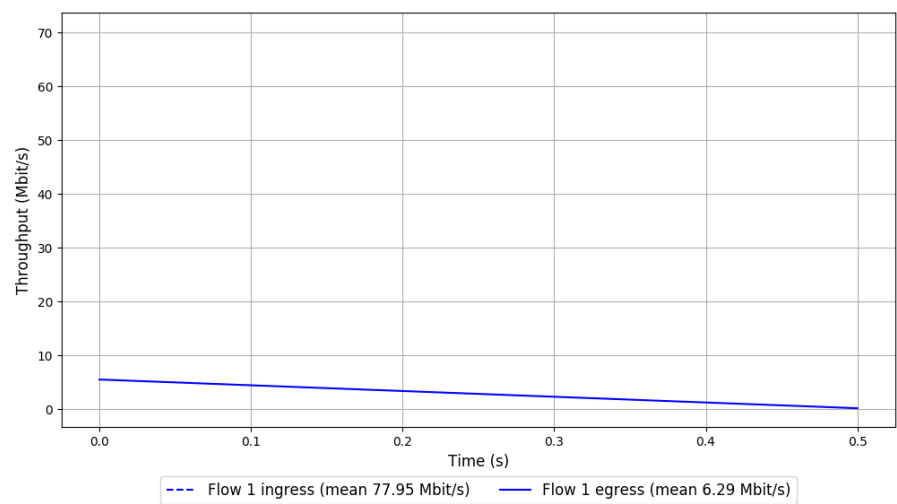


Run 2: Statistics of Copa

Start at: Sun, 06 Aug 2017 02:24:52 +0000

End at: Sun, 06 Aug 2017 02:25:22 +0000

Run 2: Report of Copa — Data Link

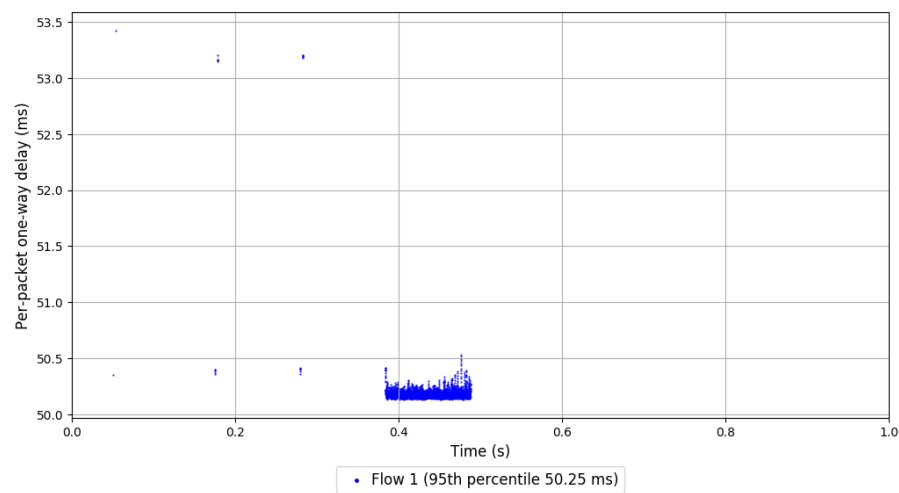
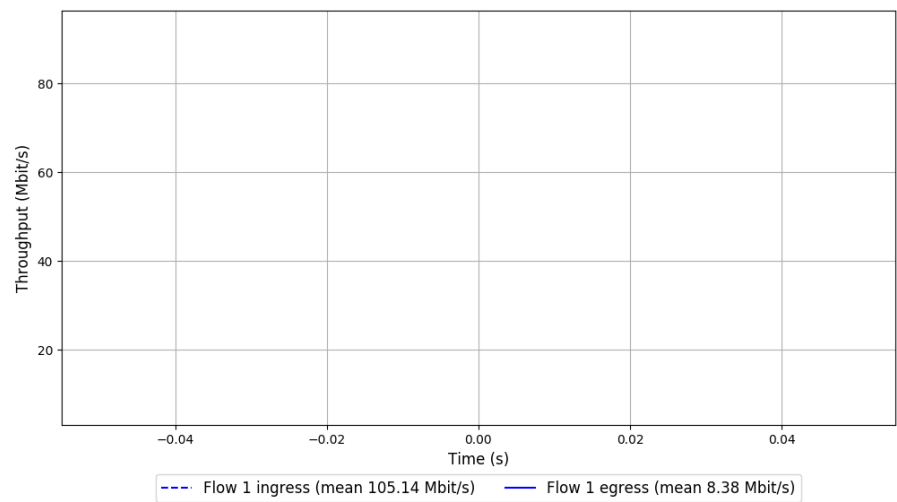


Run 3: Statistics of Copa

Start at: Sun, 06 Aug 2017 02:34:31 +0000

End at: Sun, 06 Aug 2017 02:35:01 +0000

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Sun, 06 Aug 2017 02:43:59 +0000

End at: Sun, 06 Aug 2017 02:44:29 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:46:53 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 91.94 Mbit/s

95th percentile per-packet one-way delay: 53.713 ms

Loss rate: 0.04%

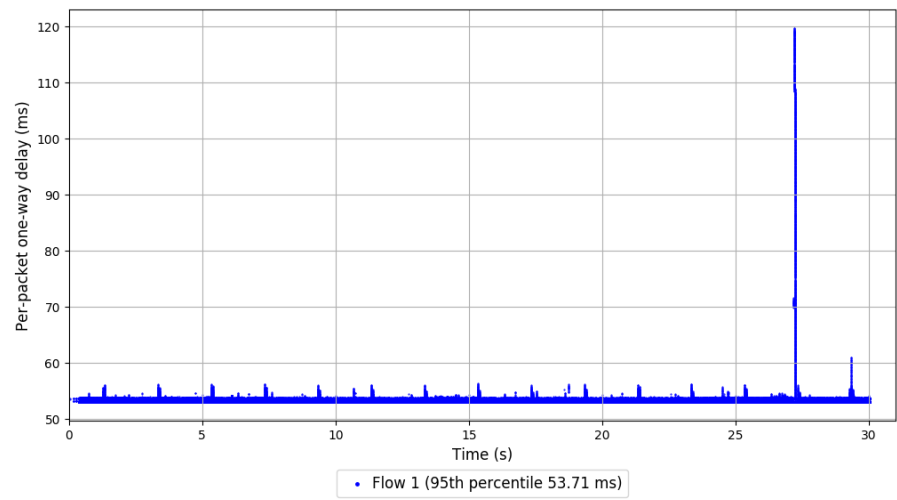
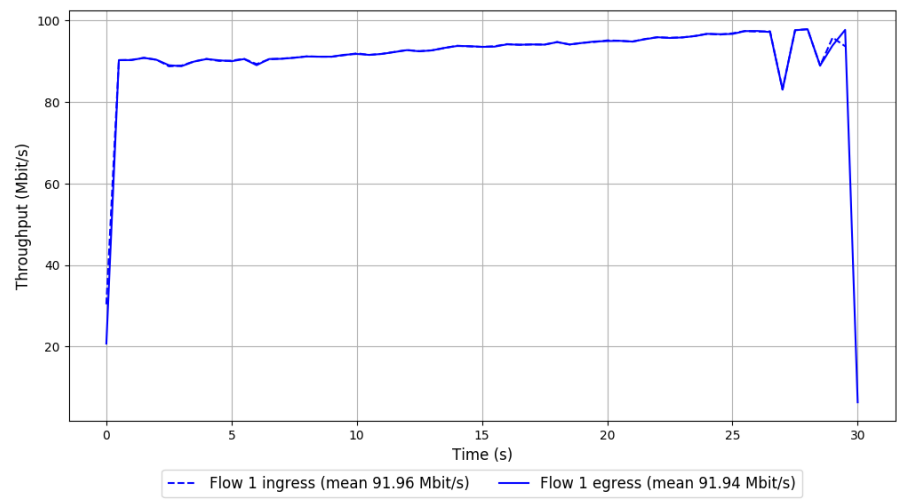
-- Flow 1:

Average throughput: 91.94 Mbit/s

95th percentile per-packet one-way delay: 53.713 ms

Loss rate: 0.04%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Sun, 06 Aug 2017 02:54:07 +0000

End at: Sun, 06 Aug 2017 02:54:37 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:47:15 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 94.70 Mbit/s

95th percentile per-packet one-way delay: 53.382 ms

Loss rate: 0.06%

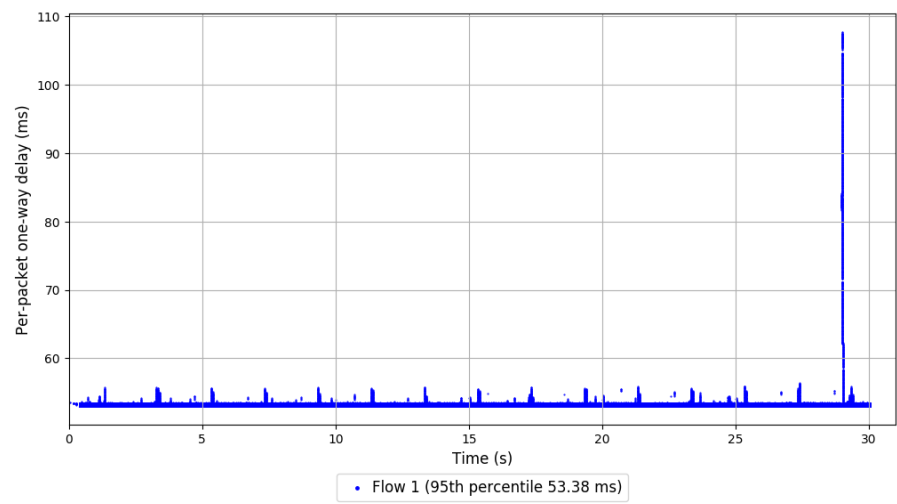
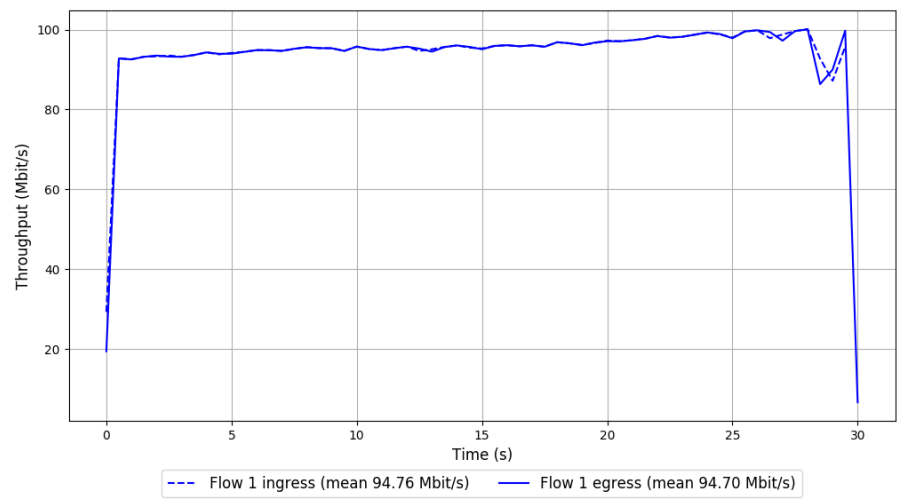
-- Flow 1:

Average throughput: 94.70 Mbit/s

95th percentile per-packet one-way delay: 53.382 ms

Loss rate: 0.06%

Run 5: Report of Copa — Data Link

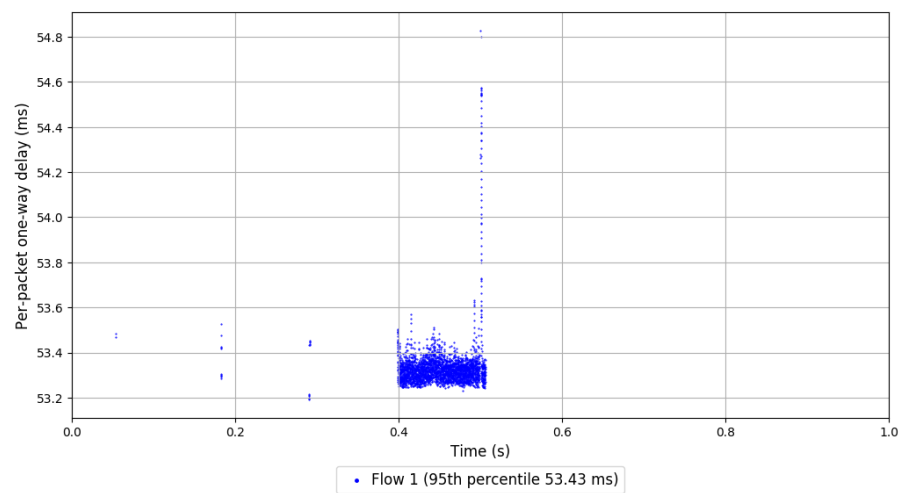
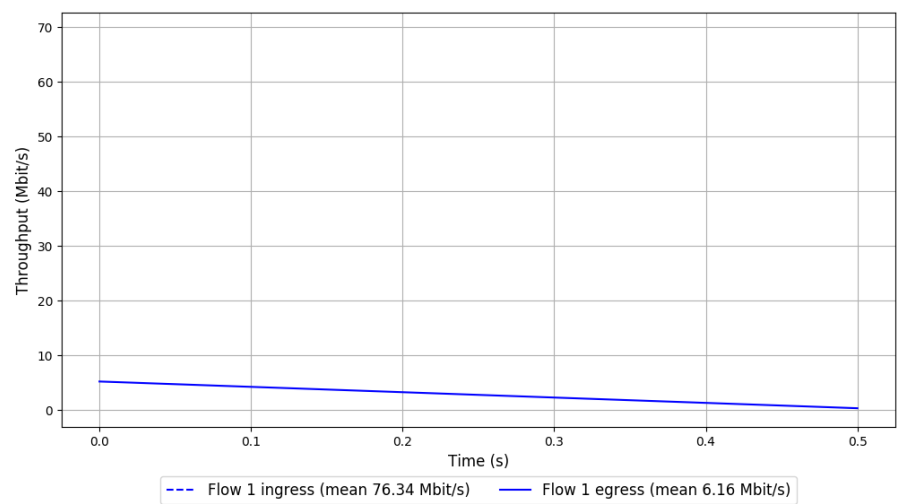


Run 6: Statistics of Copa

Start at: Sun, 06 Aug 2017 03:03:59 +0000

End at: Sun, 06 Aug 2017 03:04:29 +0000

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Sun, 06 Aug 2017 03:13:31 +0000

End at: Sun, 06 Aug 2017 03:14:01 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:47:30 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 116.01 Mbit/s

95th percentile per-packet one-way delay: 53.110 ms

Loss rate: 0.00%

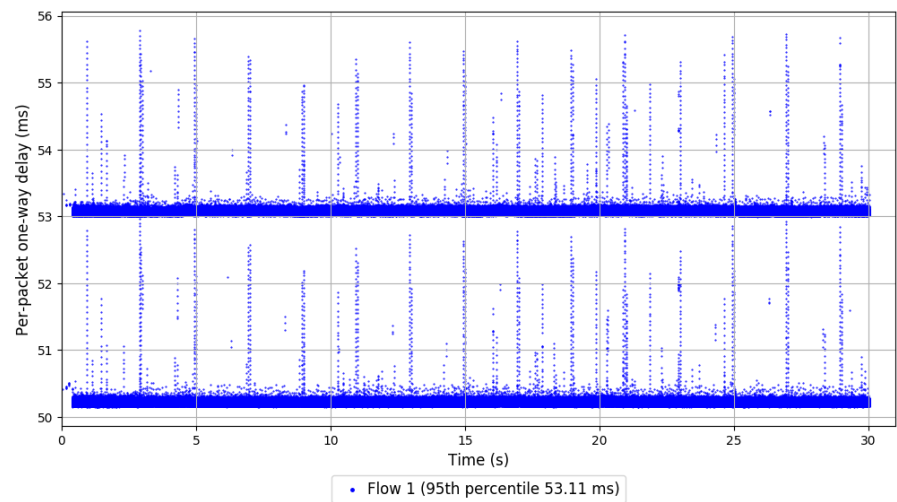
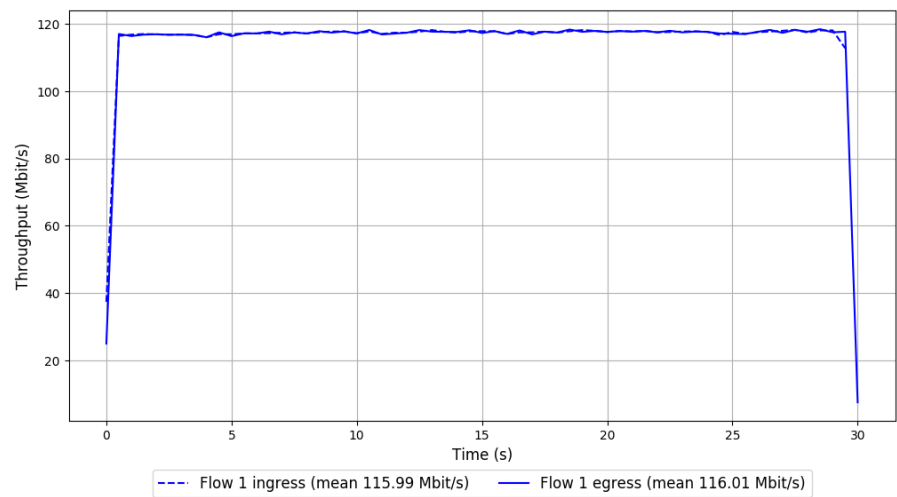
-- Flow 1:

Average throughput: 116.01 Mbit/s

95th percentile per-packet one-way delay: 53.110 ms

Loss rate: 0.00%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Sun, 06 Aug 2017 03:23:32 +0000

End at: Sun, 06 Aug 2017 03:24:02 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:47:32 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.67 Mbit/s

95th percentile per-packet one-way delay: 50.366 ms

Loss rate: 88.88%

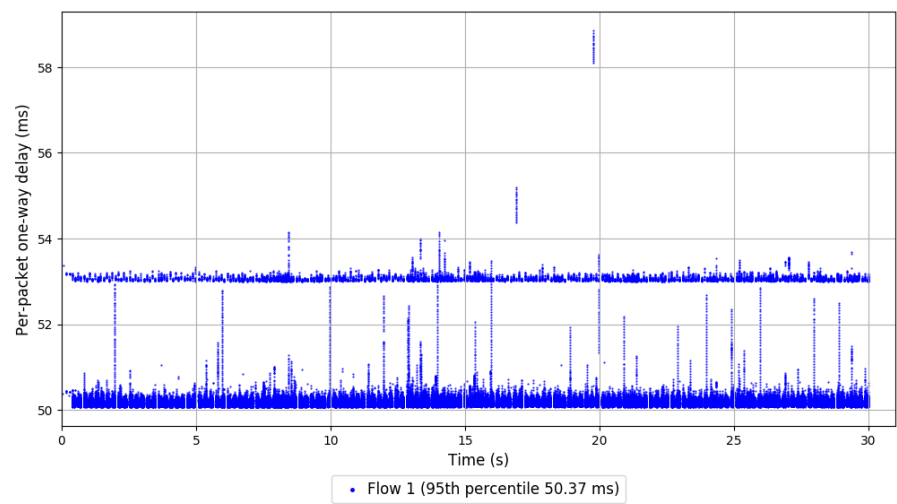
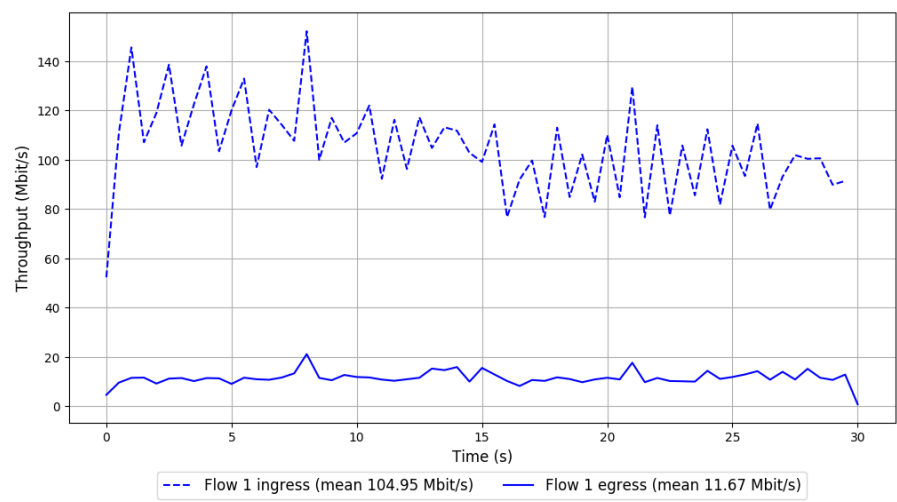
-- Flow 1:

Average throughput: 11.67 Mbit/s

95th percentile per-packet one-way delay: 50.366 ms

Loss rate: 88.88%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Sun, 06 Aug 2017 03:33:31 +0000

End at: Sun, 06 Aug 2017 03:34:01 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:47:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.94 Mbit/s

95th percentile per-packet one-way delay: 52.994 ms

Loss rate: 87.48%

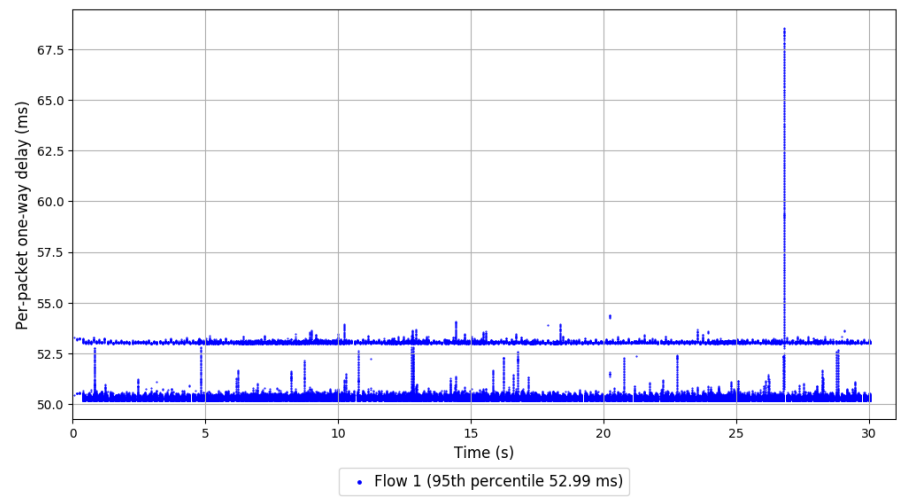
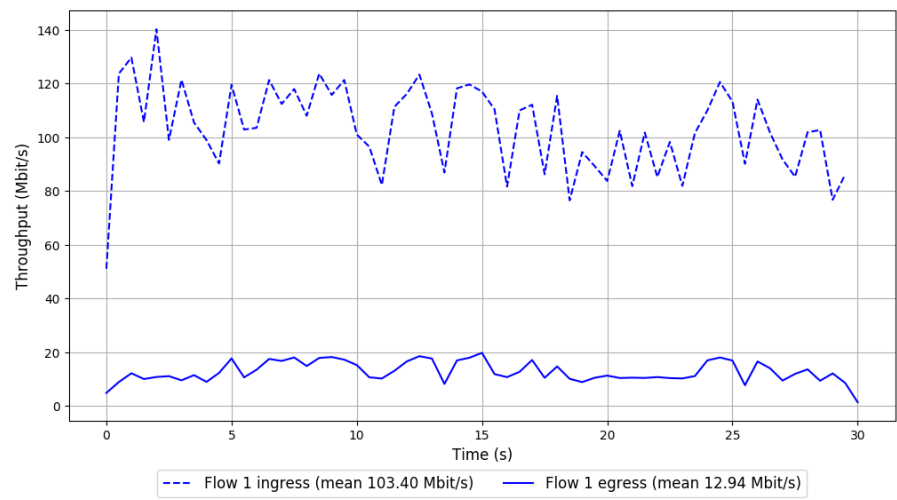
-- Flow 1:

Average throughput: 12.94 Mbit/s

95th percentile per-packet one-way delay: 52.994 ms

Loss rate: 87.48%

Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Sun, 06 Aug 2017 03:43:19 +0000

End at: Sun, 06 Aug 2017 03:43:49 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.30 Mbit/s

95th percentile per-packet one-way delay: 53.093 ms

Loss rate: 0.14%

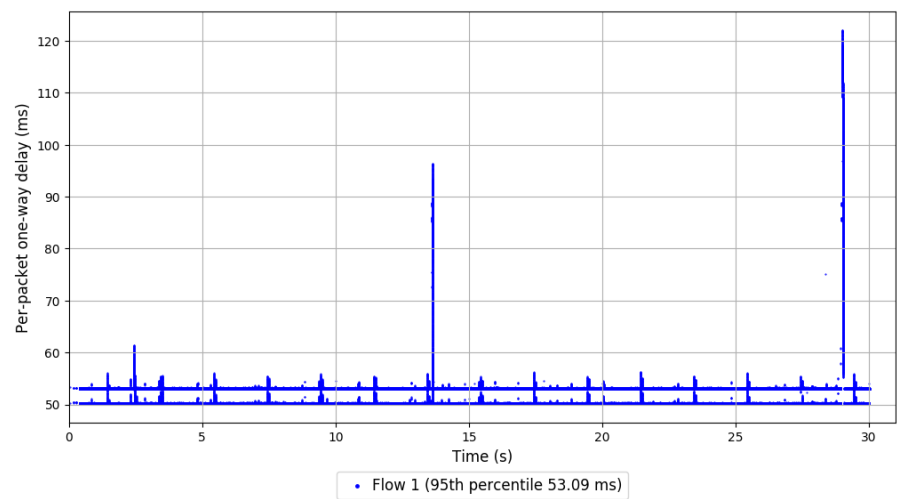
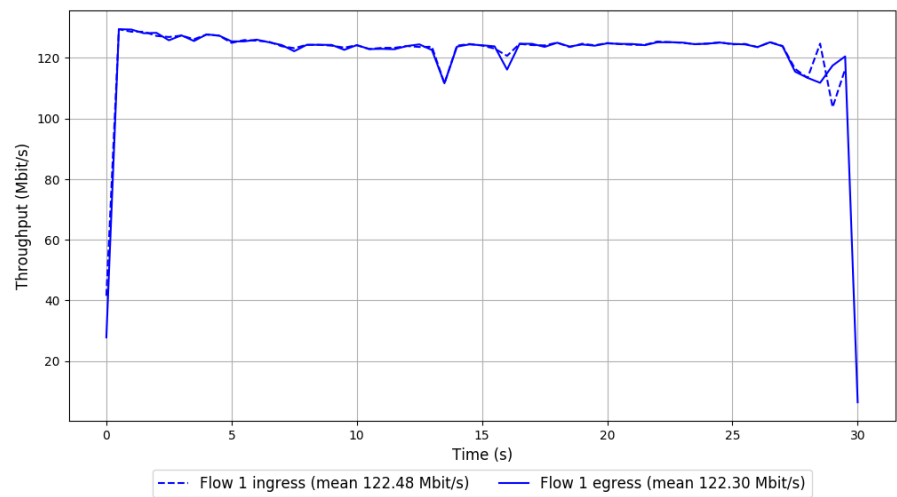
-- Flow 1:

Average throughput: 122.30 Mbit/s

95th percentile per-packet one-way delay: 53.093 ms

Loss rate: 0.14%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 02:16:39 +0000

End at: Sun, 06 Aug 2017 02:17:09 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.74 Mbit/s

95th percentile per-packet one-way delay: 53.412 ms

Loss rate: 2.39%

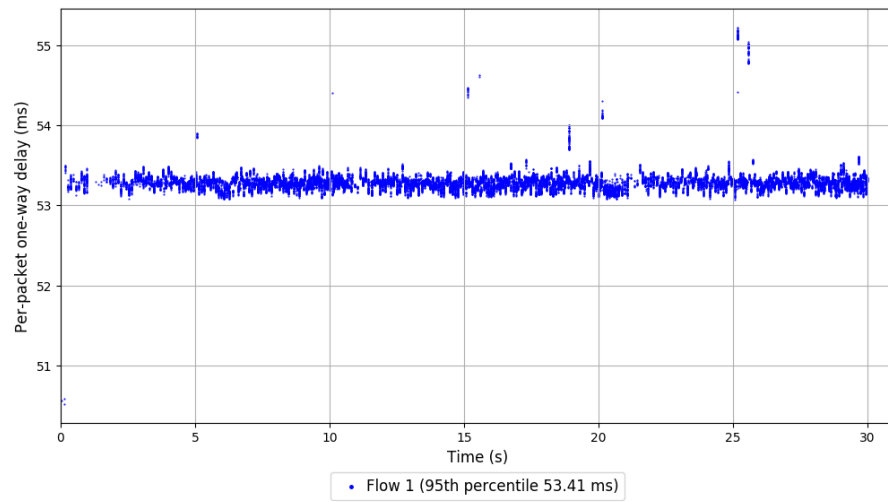
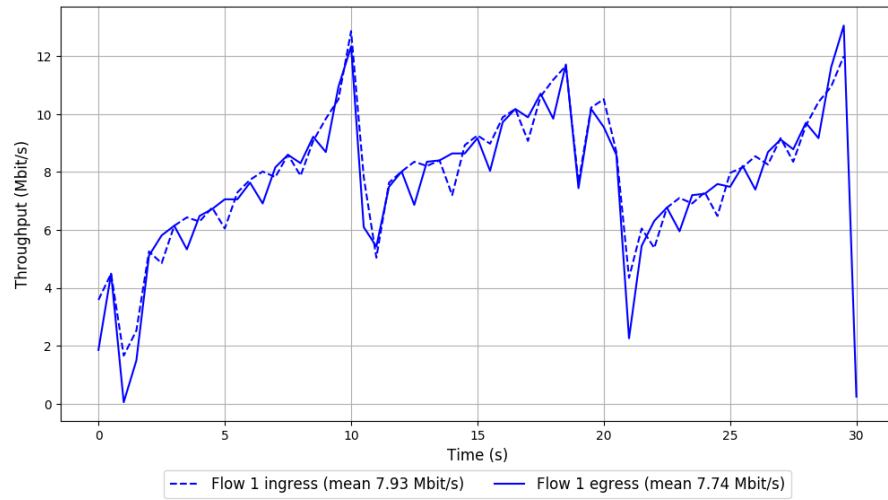
-- Flow 1:

Average throughput: 7.74 Mbit/s

95th percentile per-packet one-way delay: 53.412 ms

Loss rate: 2.39%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 02:26:11 +0000

End at: Sun, 06 Aug 2017 02:26:41 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.53 Mbit/s

95th percentile per-packet one-way delay: 53.448 ms

Loss rate: 2.92%

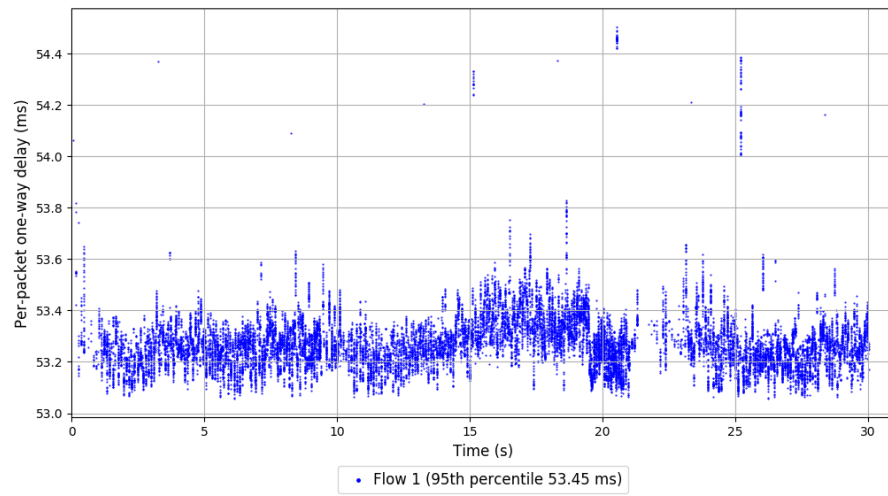
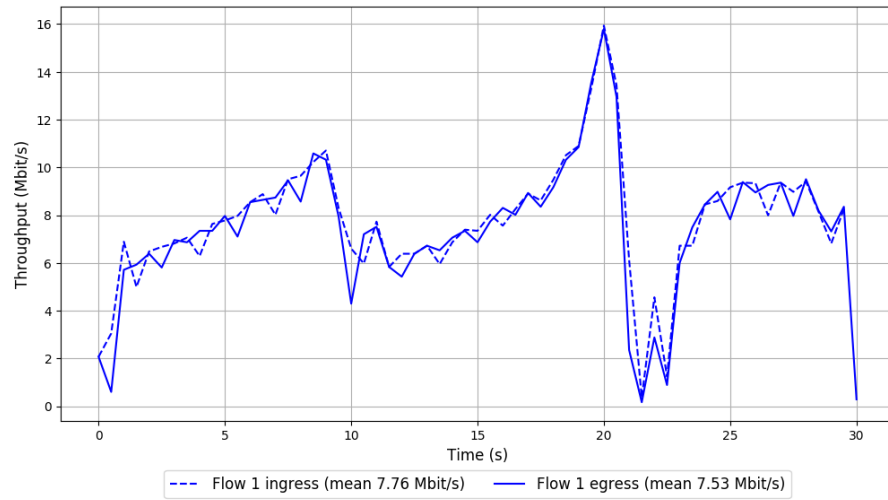
-- Flow 1:

Average throughput: 7.53 Mbit/s

95th percentile per-packet one-way delay: 53.448 ms

Loss rate: 2.92%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 02:35:50 +0000

End at: Sun, 06 Aug 2017 02:36:20 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.22 Mbit/s

95th percentile per-packet one-way delay: 54.022 ms

Loss rate: 0.48%

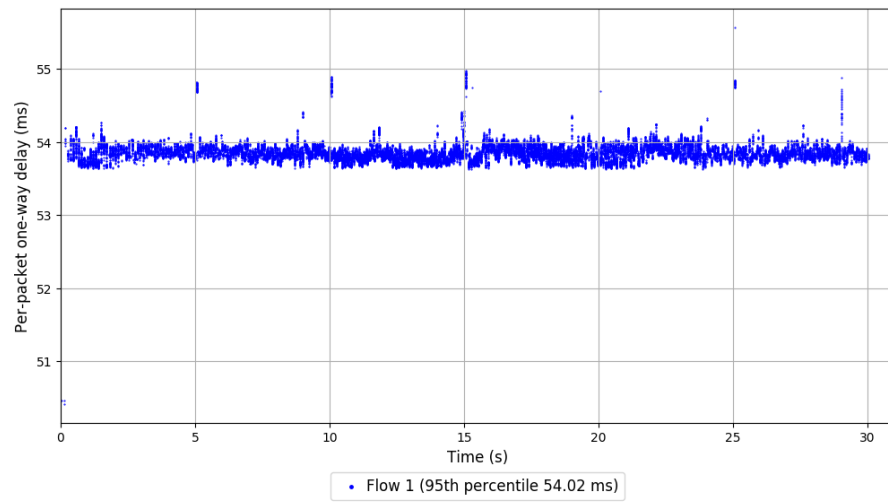
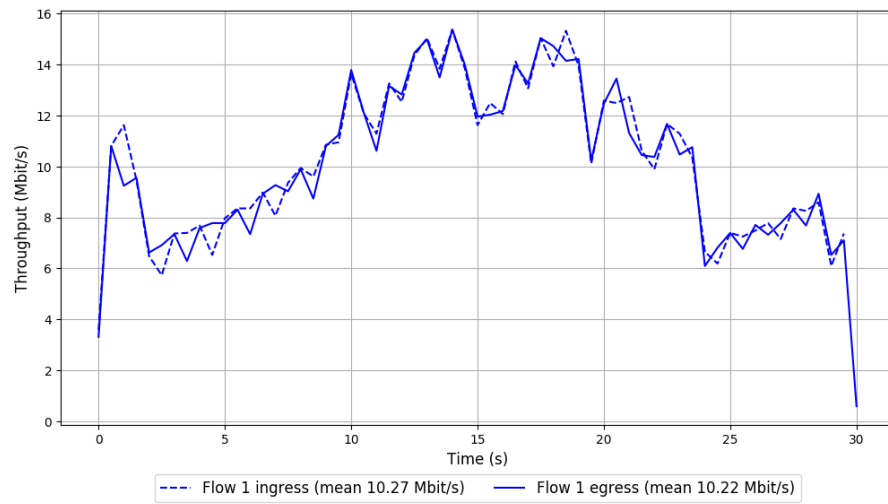
-- Flow 1:

Average throughput: 10.22 Mbit/s

95th percentile per-packet one-way delay: 54.022 ms

Loss rate: 0.48%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 02:45:23 +0000

End at: Sun, 06 Aug 2017 02:45:53 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 121.66 Mbit/s

95th percentile per-packet one-way delay: 54.038 ms

Loss rate: 0.01%

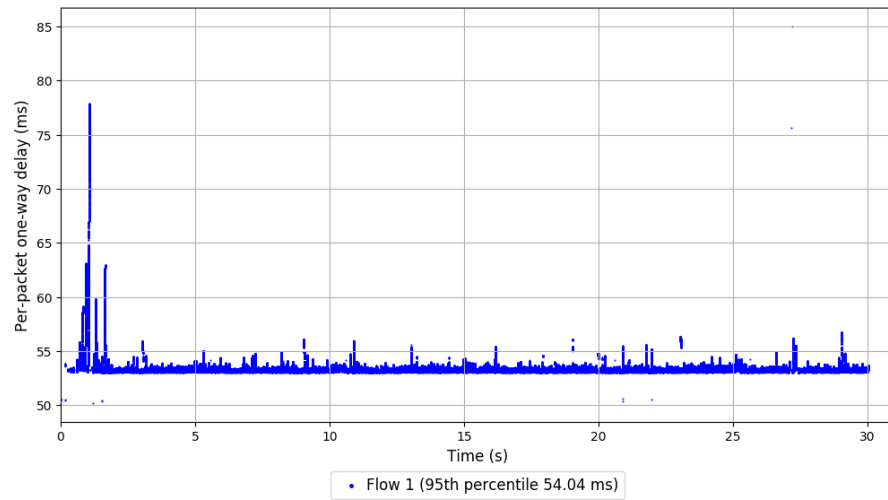
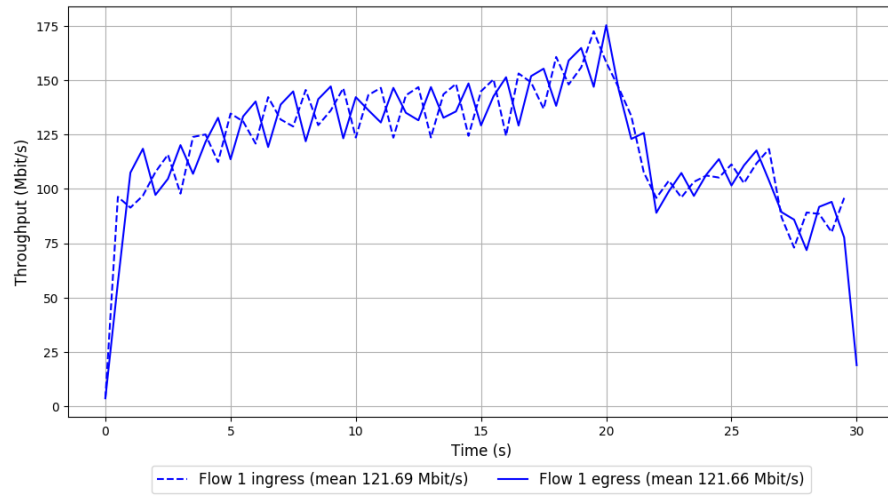
-- Flow 1:

Average throughput: 121.66 Mbit/s

95th percentile per-packet one-way delay: 54.038 ms

Loss rate: 0.01%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 02:55:35 +0000

End at: Sun, 06 Aug 2017 02:56:05 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 129.32 Mbit/s

95th percentile per-packet one-way delay: 54.602 ms

Loss rate: 0.06%

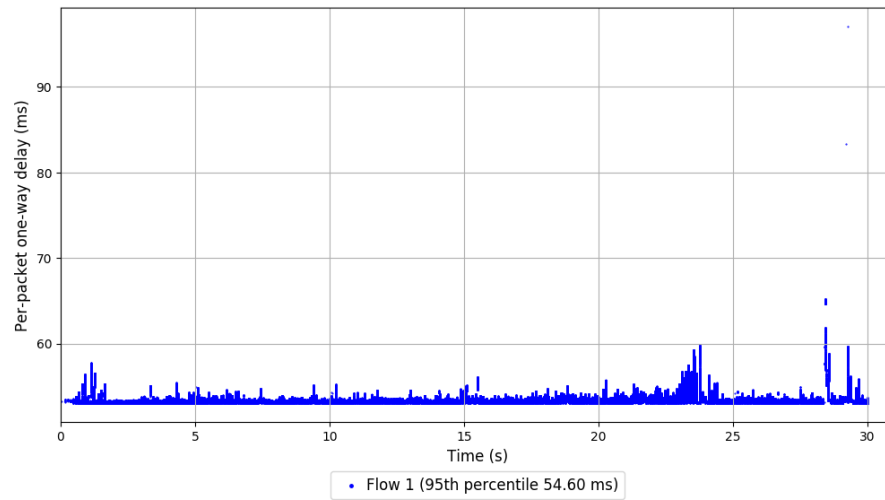
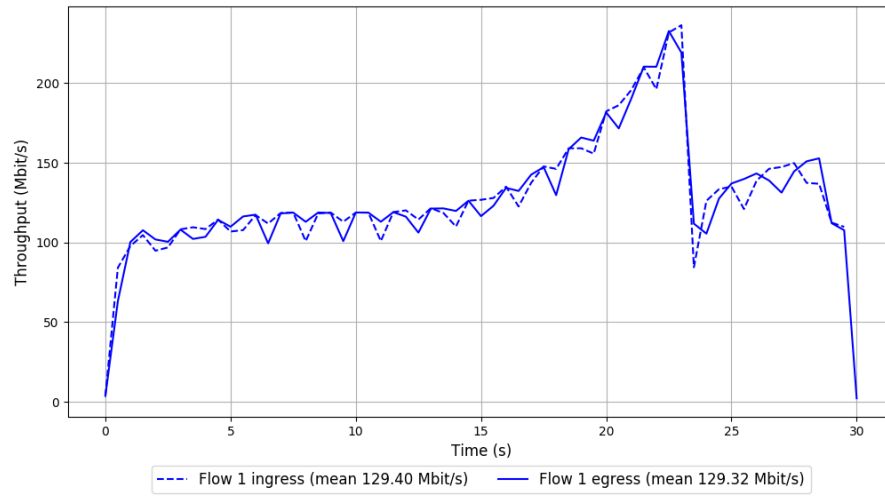
-- Flow 1:

Average throughput: 129.32 Mbit/s

95th percentile per-packet one-way delay: 54.602 ms

Loss rate: 0.06%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 03:05:17 +0000

End at: Sun, 06 Aug 2017 03:05:47 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.64 Mbit/s

95th percentile per-packet one-way delay: 53.294 ms

Loss rate: 2.55%

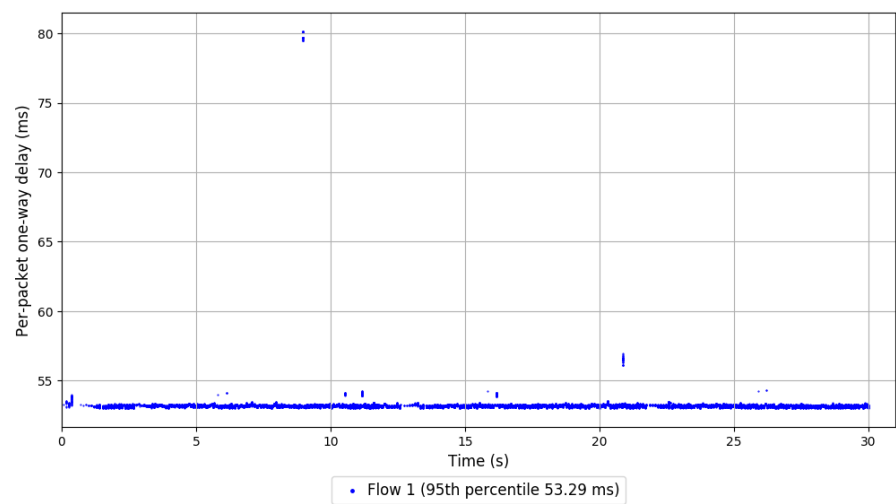
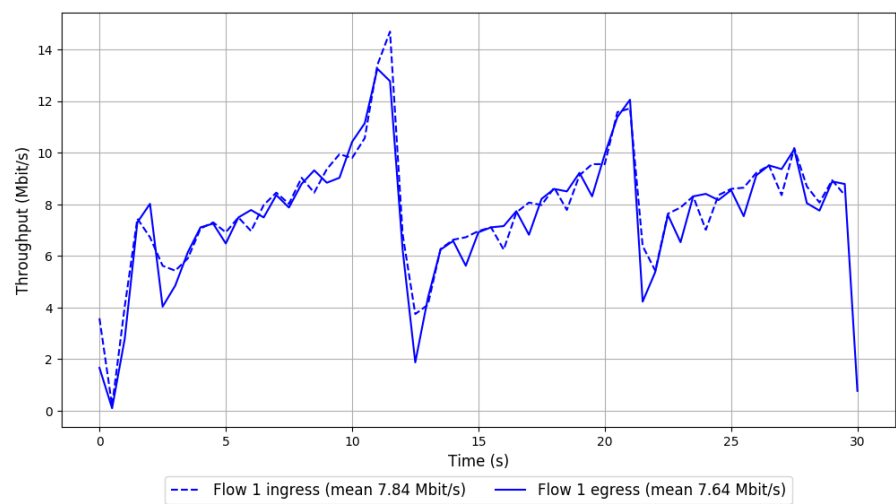
-- Flow 1:

Average throughput: 7.64 Mbit/s

95th percentile per-packet one-way delay: 53.294 ms

Loss rate: 2.55%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 03:14:58 +0000

End at: Sun, 06 Aug 2017 03:15:28 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.32 Mbit/s

95th percentile per-packet one-way delay: 53.333 ms

Loss rate: 2.77%

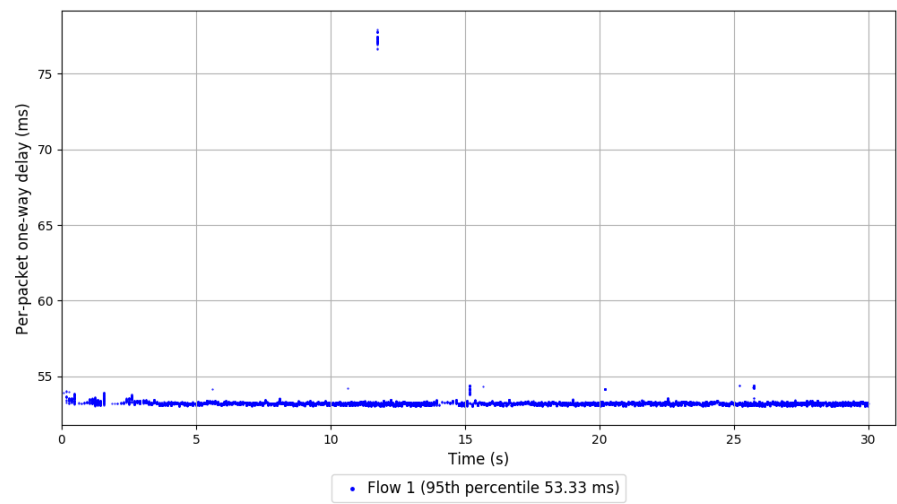
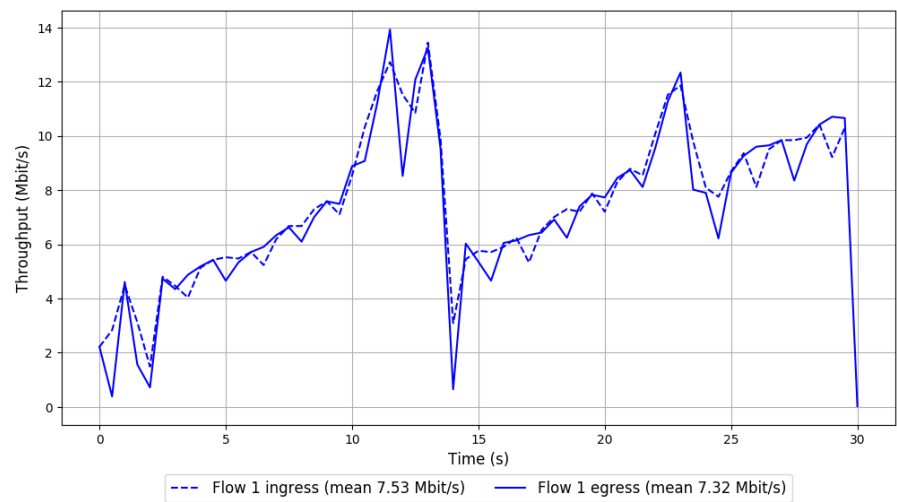
-- Flow 1:

Average throughput: 7.32 Mbit/s

95th percentile per-packet one-way delay: 53.333 ms

Loss rate: 2.77%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 03:24:55 +0000

End at: Sun, 06 Aug 2017 03:25:25 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.63 Mbit/s

95th percentile per-packet one-way delay: 53.425 ms

Loss rate: 2.52%

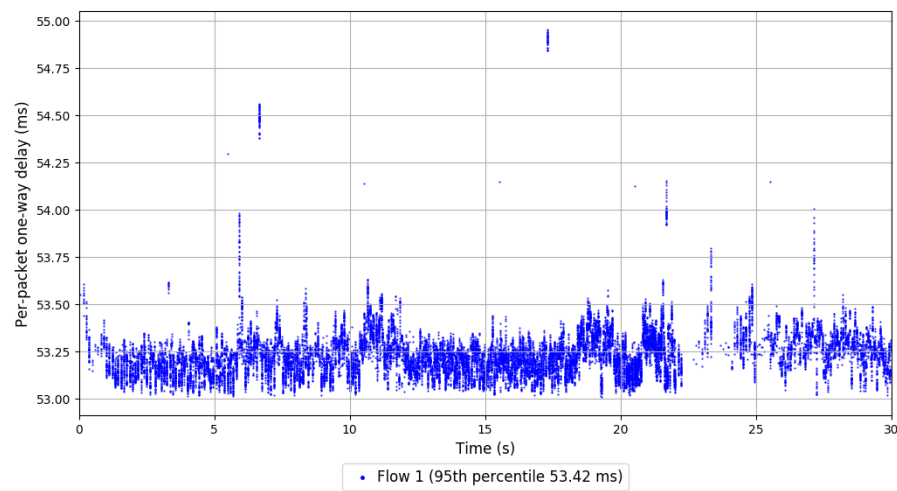
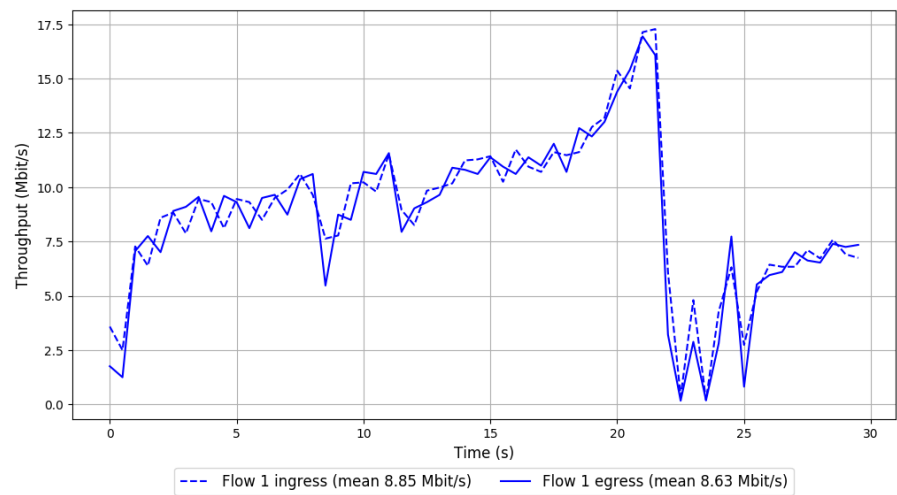
-- Flow 1:

Average throughput: 8.63 Mbit/s

95th percentile per-packet one-way delay: 53.425 ms

Loss rate: 2.52%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 03:35:07 +0000

End at: Sun, 06 Aug 2017 03:35:37 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.58 Mbit/s

95th percentile per-packet one-way delay: 53.369 ms

Loss rate: 2.98%

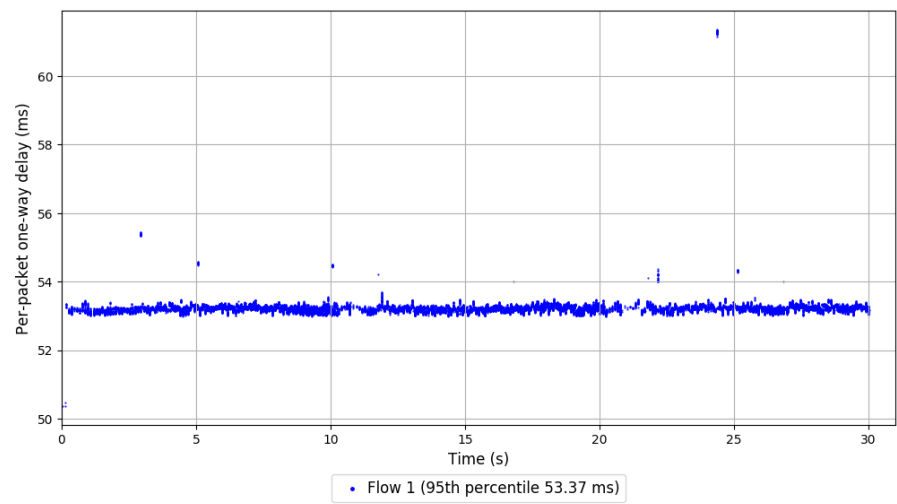
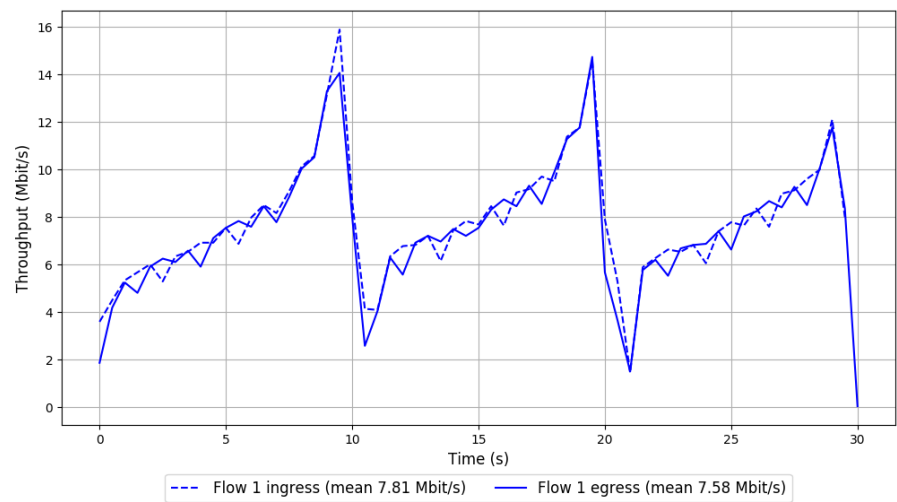
-- Flow 1:

Average throughput: 7.58 Mbit/s

95th percentile per-packet one-way delay: 53.369 ms

Loss rate: 2.98%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 03:45:01 +0000

End at: Sun, 06 Aug 2017 03:45:31 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.39 Mbit/s

95th percentile per-packet one-way delay: 53.317 ms

Loss rate: 3.20%

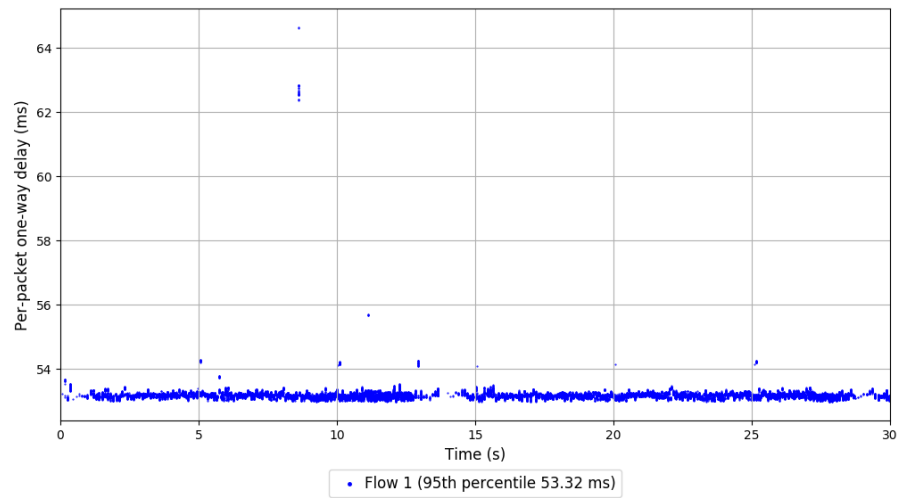
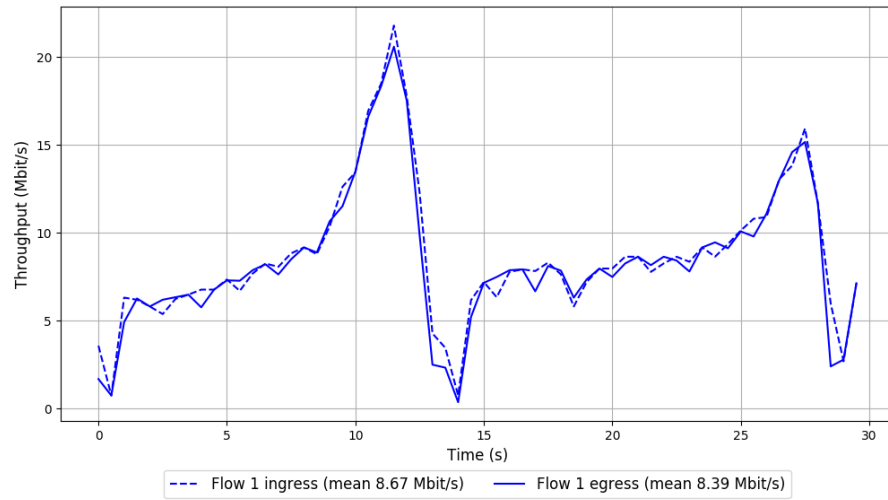
-- Flow 1:

Average throughput: 8.39 Mbit/s

95th percentile per-packet one-way delay: 53.317 ms

Loss rate: 3.20%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 02:09:19 +0000

End at: Sun, 06 Aug 2017 02:09:49 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:46 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.03 Mbit/s

95th percentile per-packet one-way delay: 54.148 ms

Loss rate: 0.05%

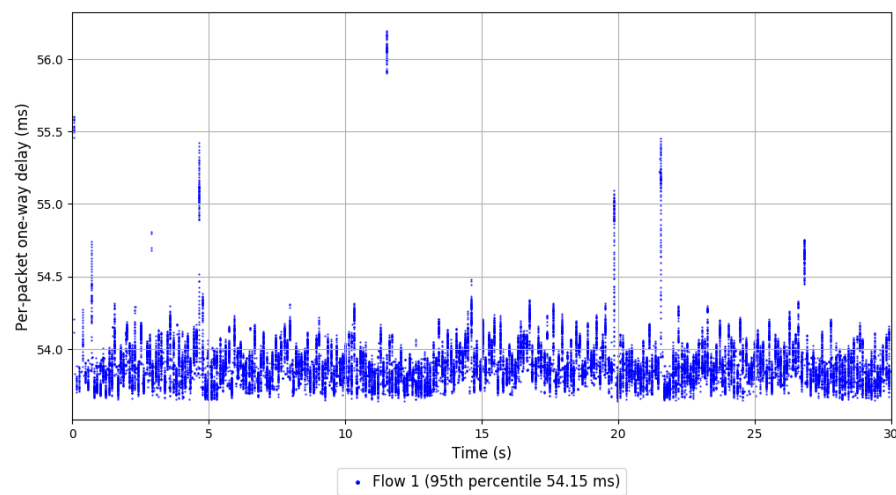
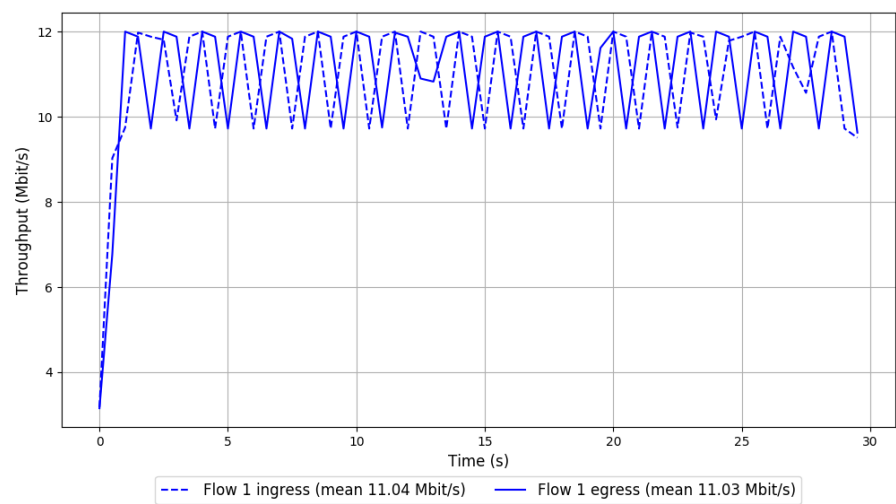
-- Flow 1:

Average throughput: 11.03 Mbit/s

95th percentile per-packet one-way delay: 54.148 ms

Loss rate: 0.05%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

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

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

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:47 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 53.432 ms

Loss rate: 95.59%

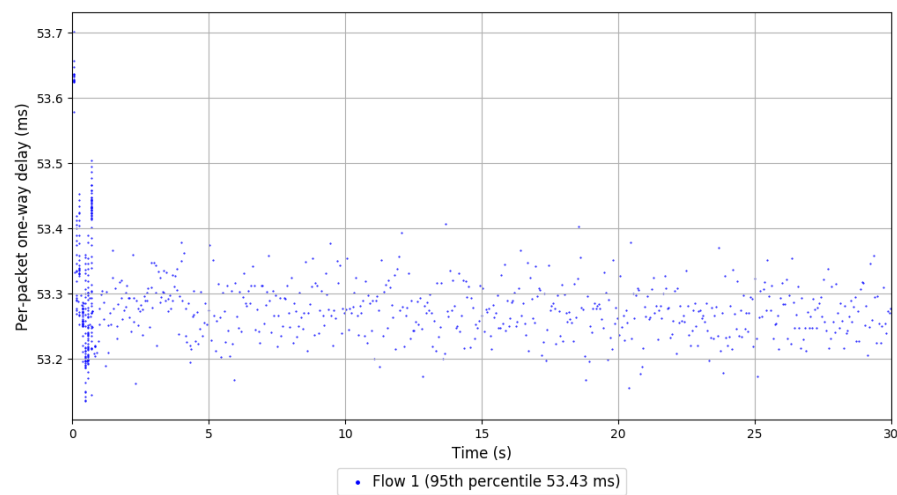
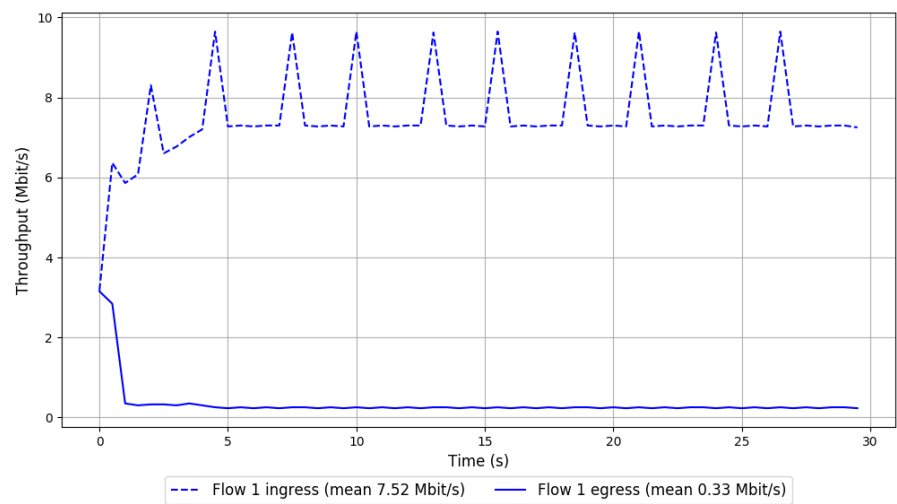
-- Flow 1:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 53.432 ms

Loss rate: 95.59%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 02:28:40 +0000

End at: Sun, 06 Aug 2017 02:29:10 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:48 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 1.04 Mbit/s

95th percentile per-packet one-way delay: 53.522 ms

Loss rate: 86.65%

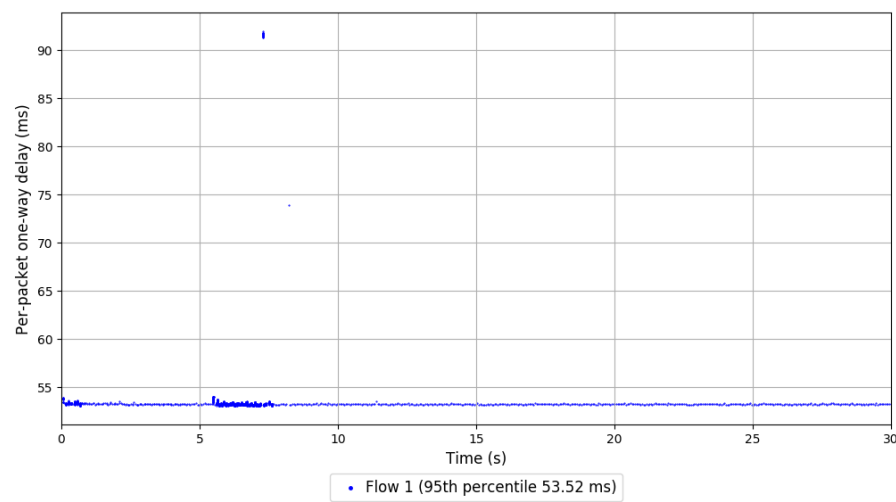
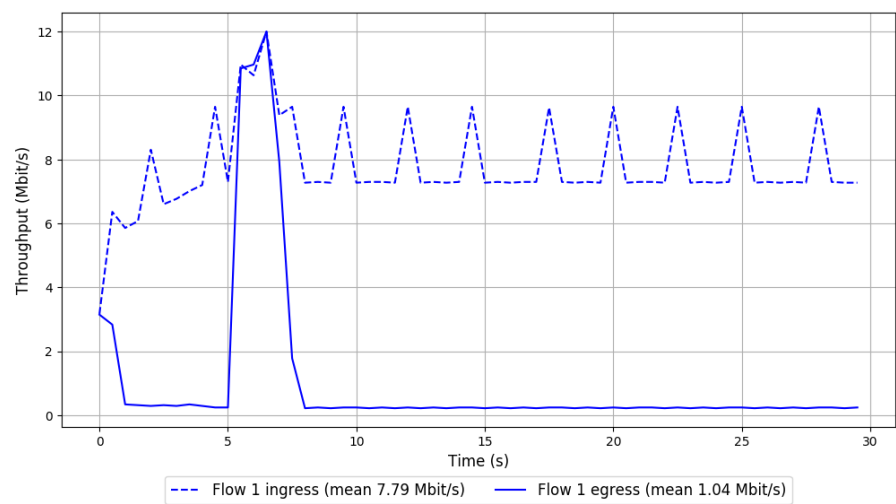
-- Flow 1:

Average throughput: 1.04 Mbit/s

95th percentile per-packet one-way delay: 53.522 ms

Loss rate: 86.65%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

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

End at: Sun, 06 Aug 2017 02:38:49 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 53.435 ms

Loss rate: 95.63%

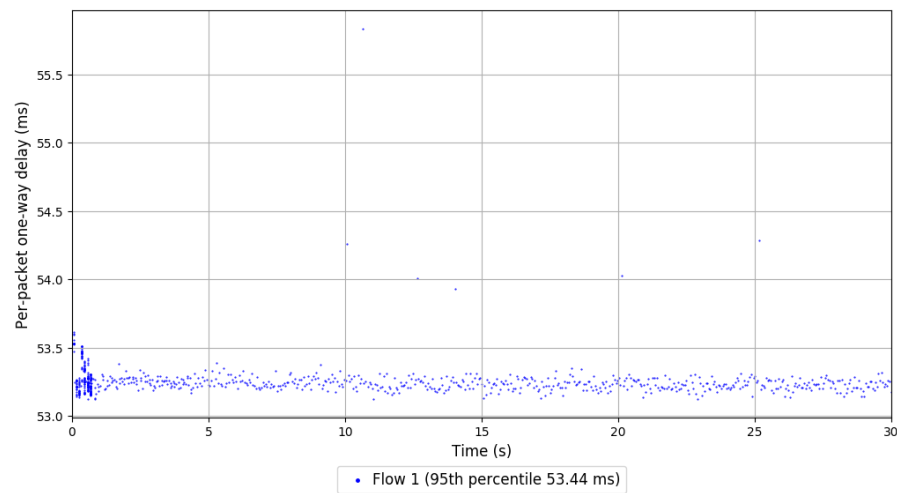
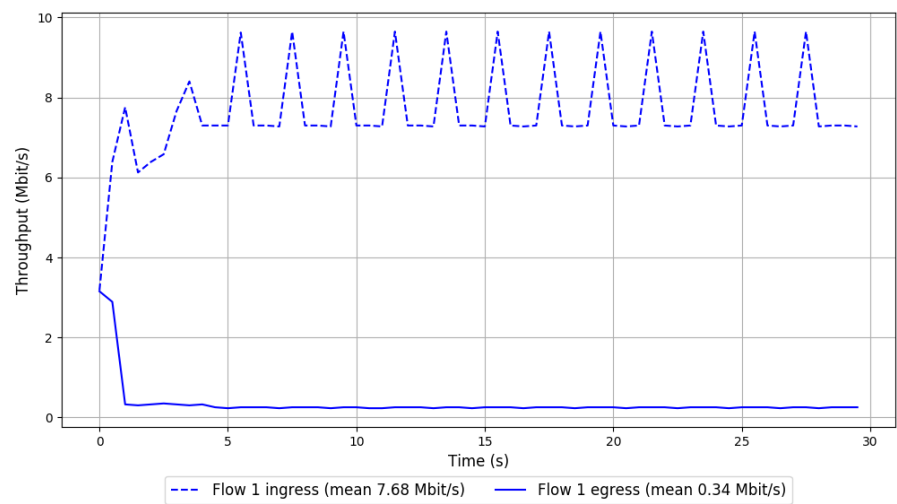
-- Flow 1:

Average throughput: 0.34 Mbit/s

95th percentile per-packet one-way delay: 53.435 ms

Loss rate: 95.63%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 02:47:59 +0000

End at: Sun, 06 Aug 2017 02:48:29 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.21 Mbit/s

95th percentile per-packet one-way delay: 53.930 ms

Loss rate: 1.18%

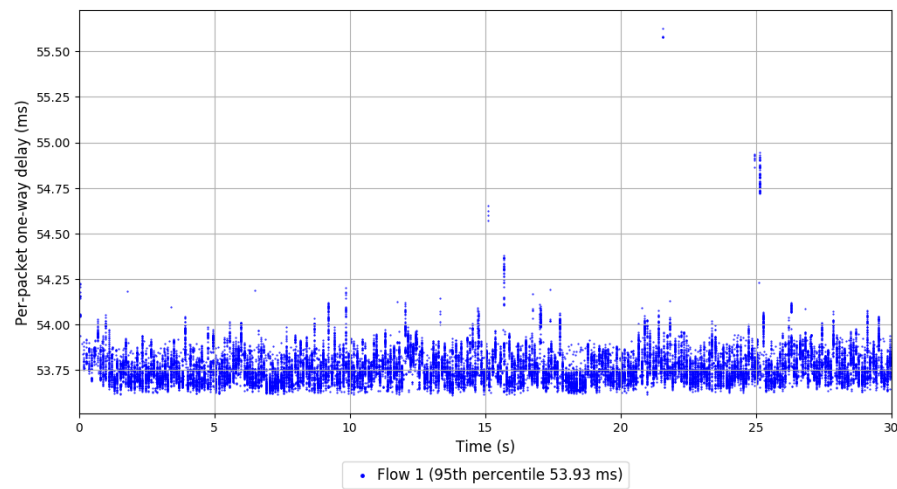
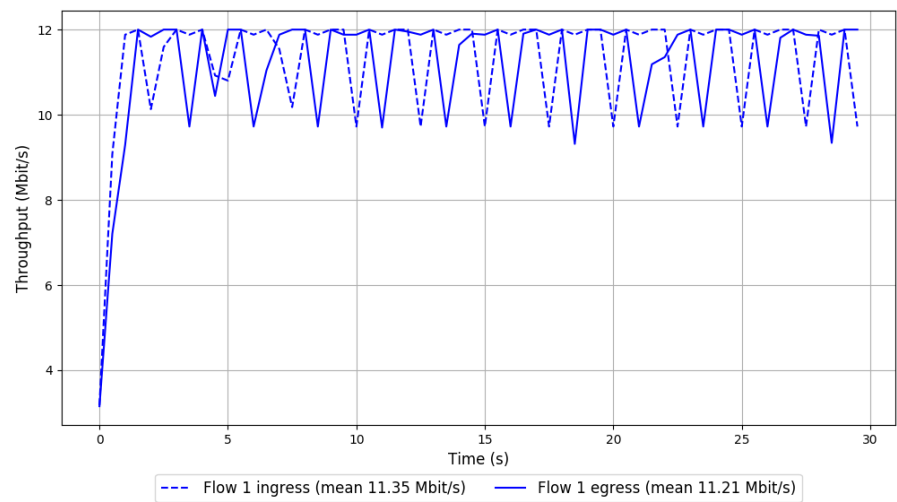
-- Flow 1:

Average throughput: 11.21 Mbit/s

95th percentile per-packet one-way delay: 53.930 ms

Loss rate: 1.18%

Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 02:58:10 +0000

End at: Sun, 06 Aug 2017 02:58:40 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 53.371 ms

Loss rate: 95.43%

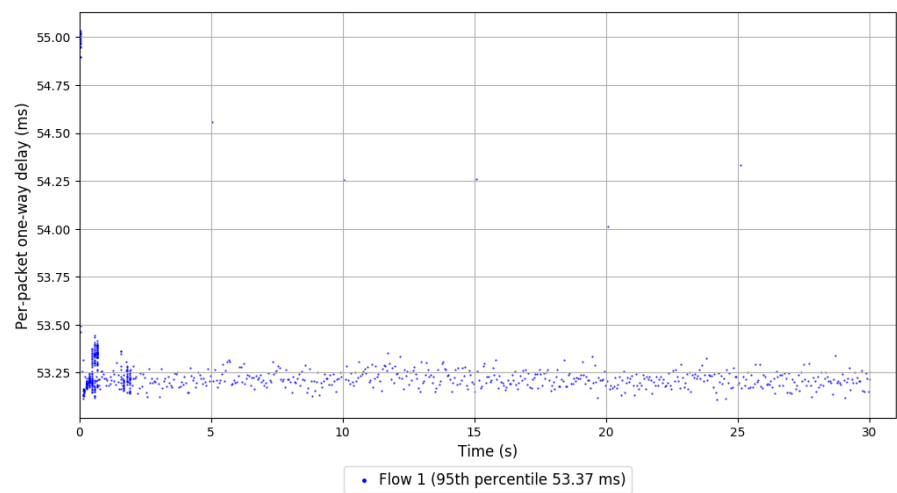
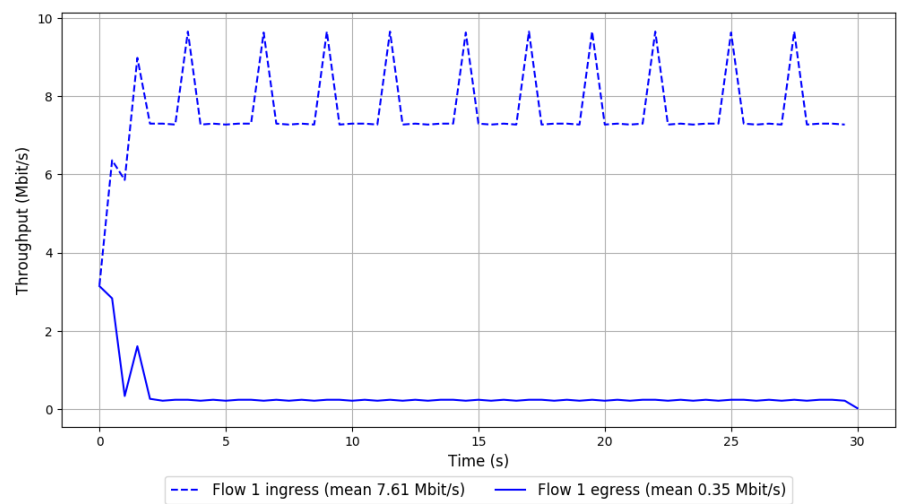
-- Flow 1:

Average throughput: 0.35 Mbit/s

95th percentile per-packet one-way delay: 53.371 ms

Loss rate: 95.43%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 03:07:46 +0000

End at: Sun, 06 Aug 2017 03:08:16 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 74.153 ms

Loss rate: 94.97%

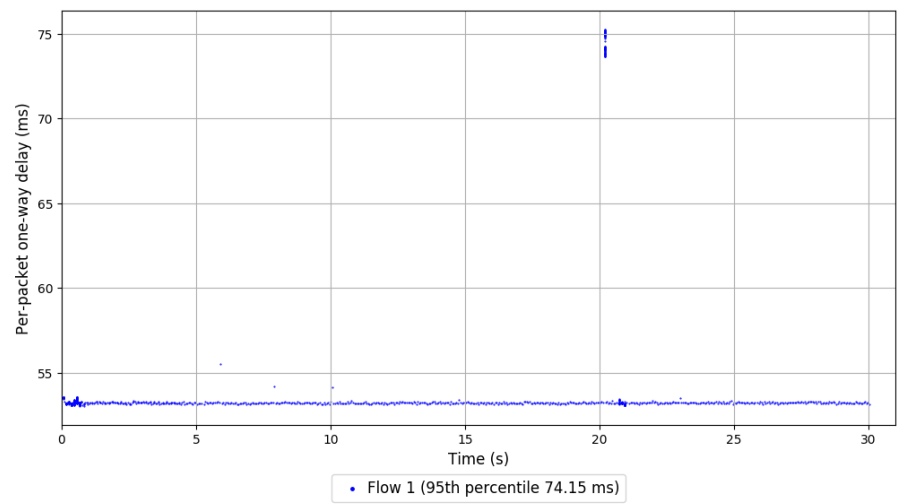
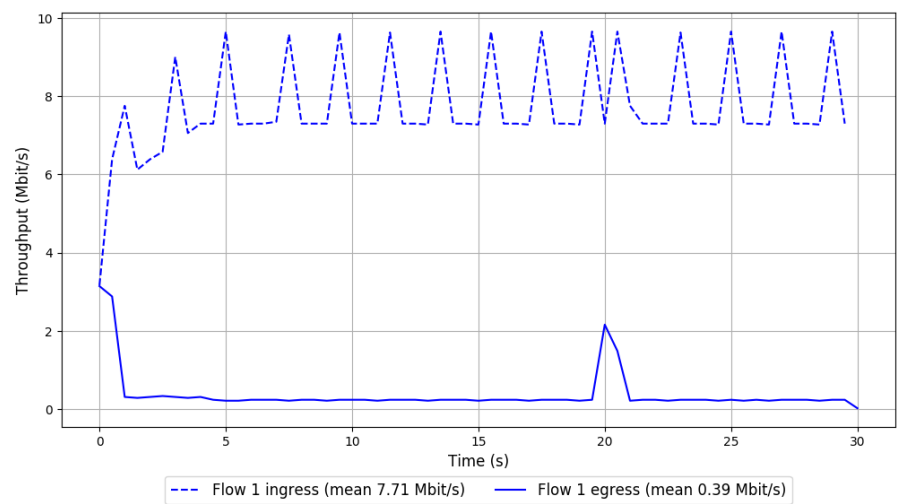
-- Flow 1:

Average throughput: 0.39 Mbit/s

95th percentile per-packet one-way delay: 74.153 ms

Loss rate: 94.97%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 03:17:29 +0000

End at: Sun, 06 Aug 2017 03:17:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 53.546 ms

Loss rate: 95.61%

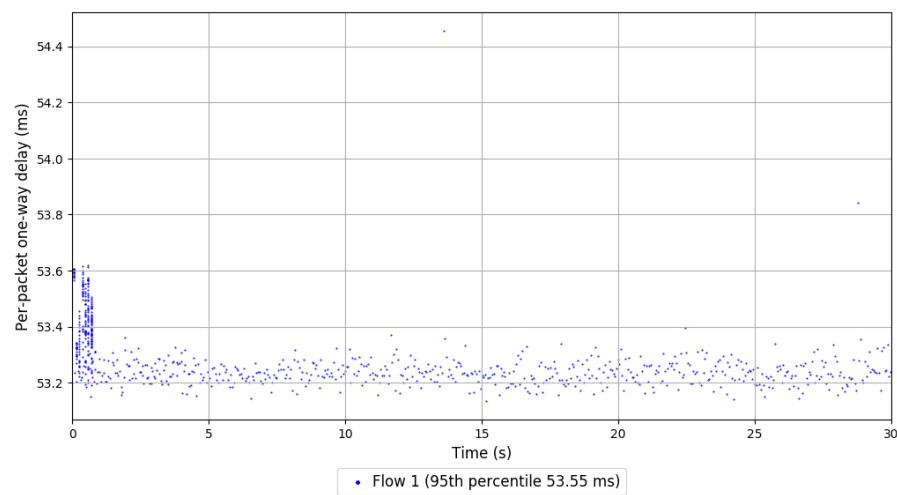
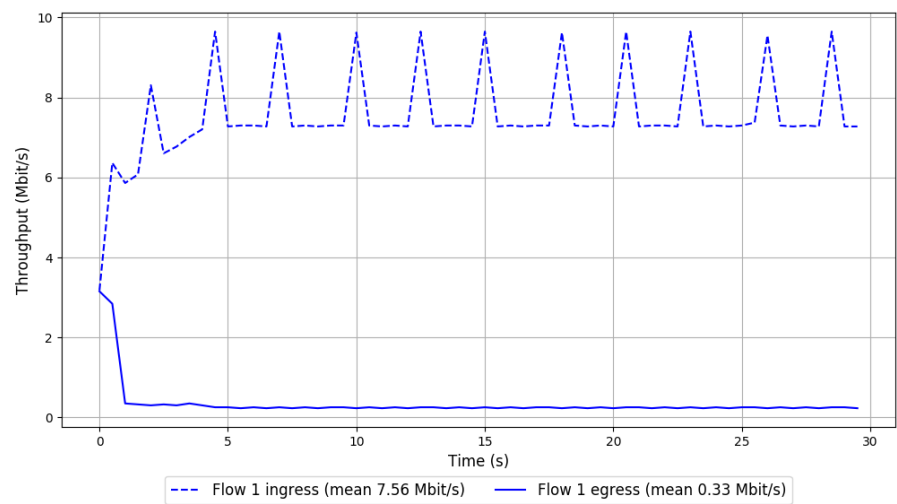
-- Flow 1:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 53.546 ms

Loss rate: 95.61%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 03:27:26 +0000

End at: Sun, 06 Aug 2017 03:27:56 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:55 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 53.338 ms

Loss rate: 95.64%

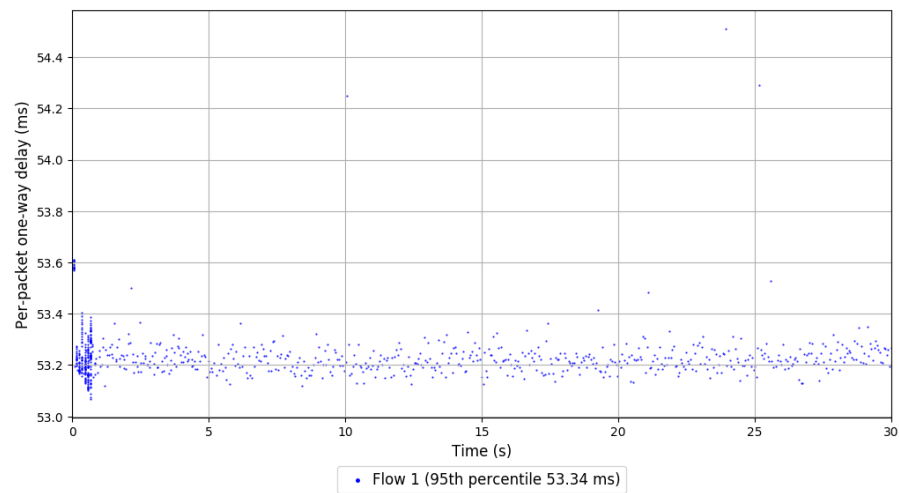
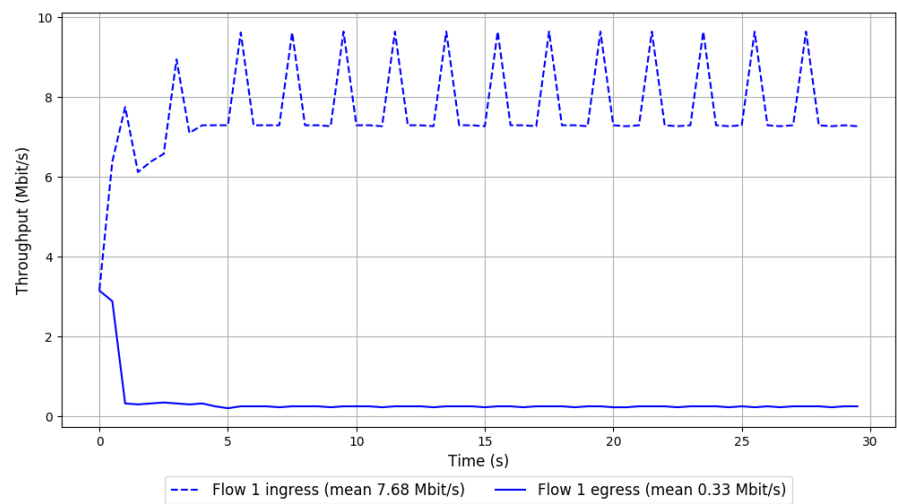
-- Flow 1:

Average throughput: 0.33 Mbit/s

95th percentile per-packet one-way delay: 53.338 ms

Loss rate: 95.64%

Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 03:37:36 +0000

End at: Sun, 06 Aug 2017 03:38:06 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.83 Mbit/s

95th percentile per-packet one-way delay: 53.875 ms

Loss rate: 1.39%

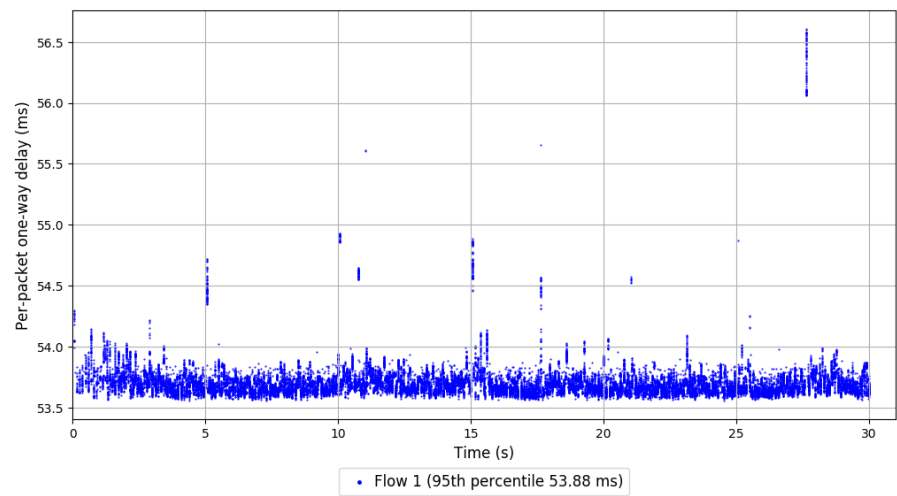
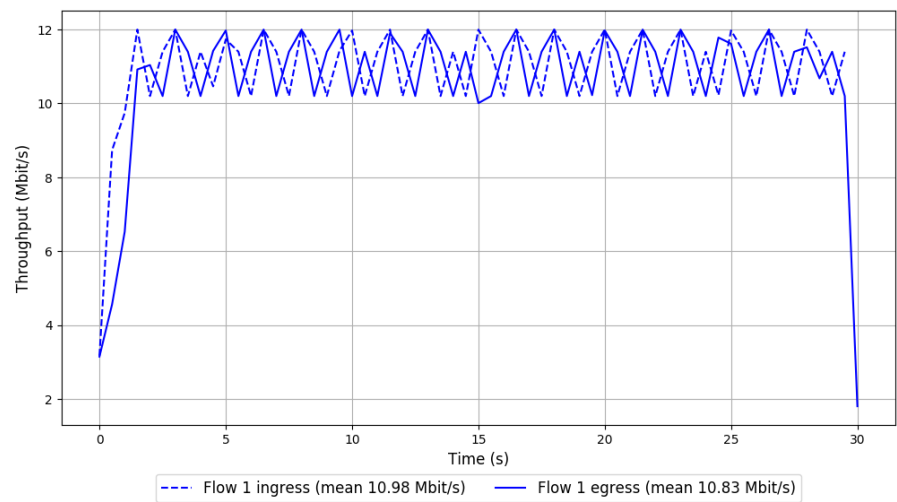
-- Flow 1:

Average throughput: 10.83 Mbit/s

95th percentile per-packet one-way delay: 53.875 ms

Loss rate: 1.39%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 02:14:23 +0000

End at: Sun, 06 Aug 2017 02:14:53 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.00 Mbit/s

95th percentile per-packet one-way delay: 53.560 ms

Loss rate: 3.63%

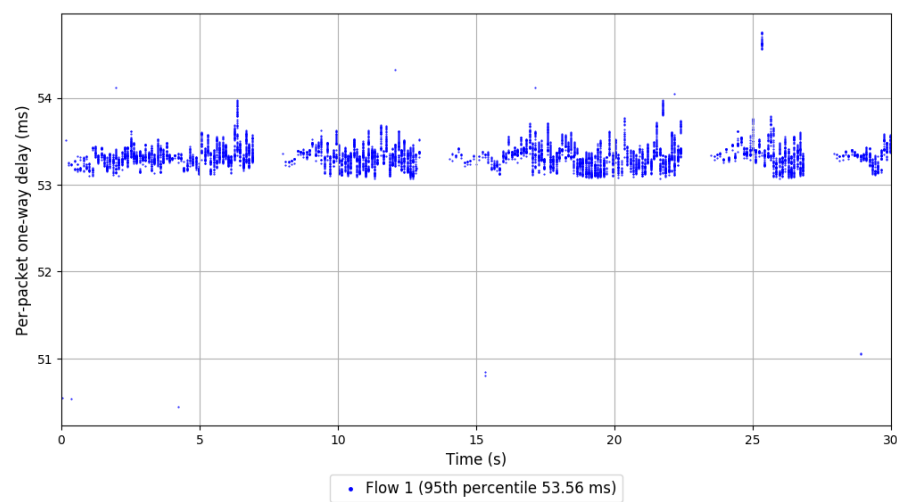
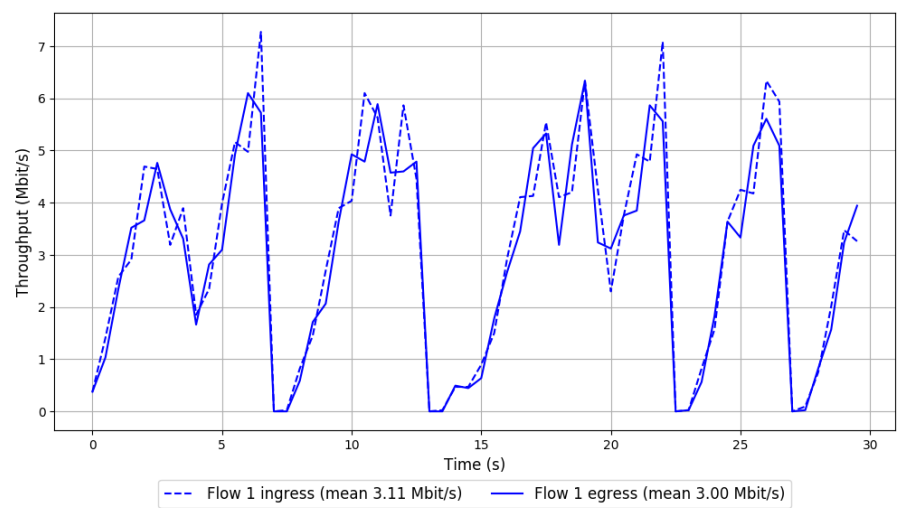
-- Flow 1:

Average throughput: 3.00 Mbit/s

95th percentile per-packet one-way delay: 53.560 ms

Loss rate: 3.63%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 02:24:15 +0000

End at: Sun, 06 Aug 2017 02:24:45 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:48:59 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.33 Mbit/s

95th percentile per-packet one-way delay: 54.282 ms

Loss rate: 1.62%

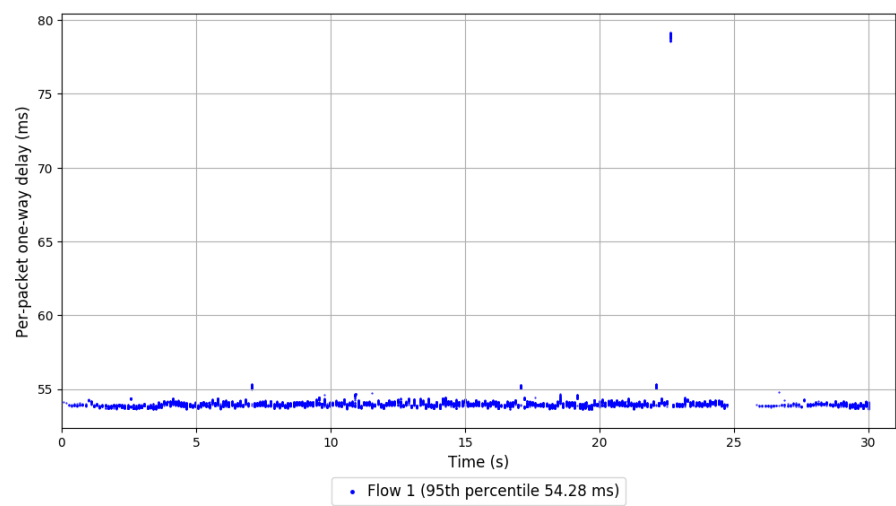
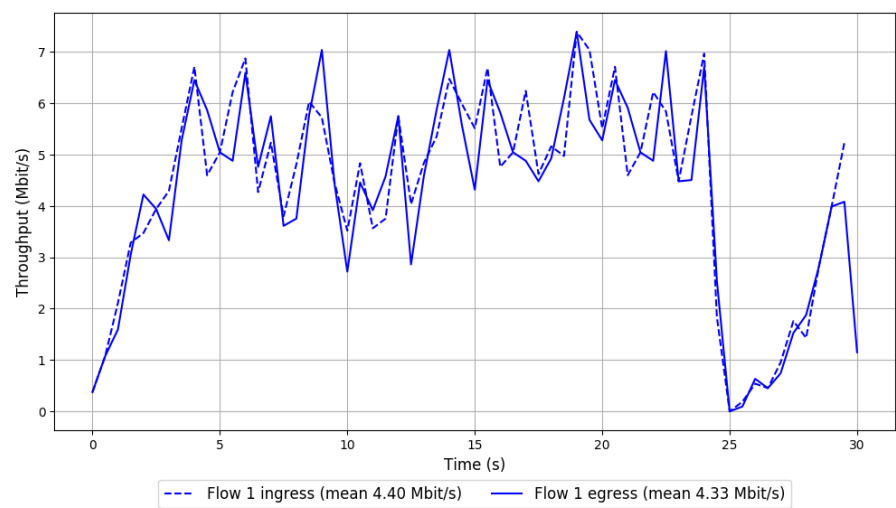
-- Flow 1:

Average throughput: 4.33 Mbit/s

95th percentile per-packet one-way delay: 54.282 ms

Loss rate: 1.62%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 02:33:53 +0000

End at: Sun, 06 Aug 2017 02:34:23 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.43 Mbit/s

95th percentile per-packet one-way delay: 54.083 ms

Loss rate: 1.40%

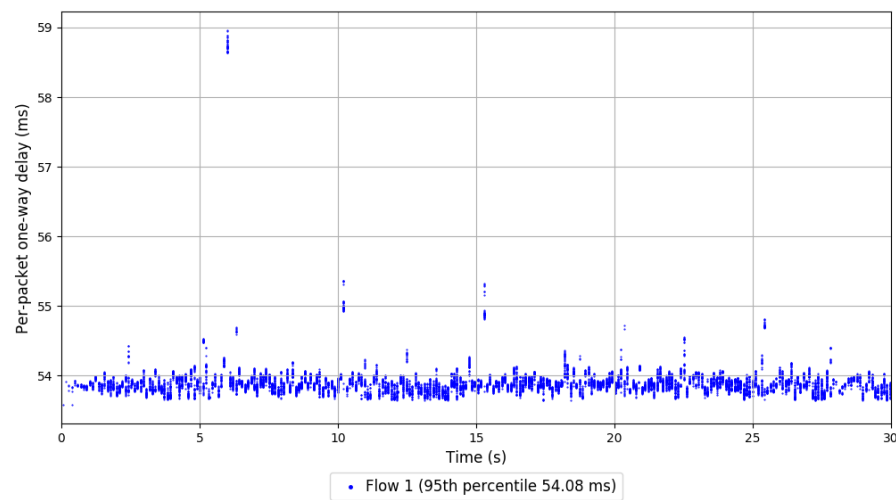
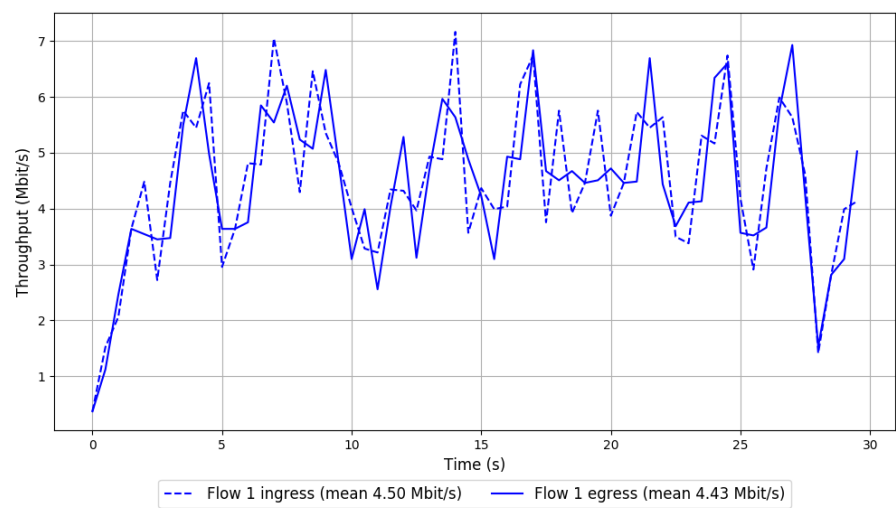
-- Flow 1:

Average throughput: 4.43 Mbit/s

95th percentile per-packet one-way delay: 54.083 ms

Loss rate: 1.40%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 02:43:20 +0000

End at: Sun, 06 Aug 2017 02:43:50 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:09 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 30.24 Mbit/s

95th percentile per-packet one-way delay: 53.933 ms

Loss rate: 0.00%

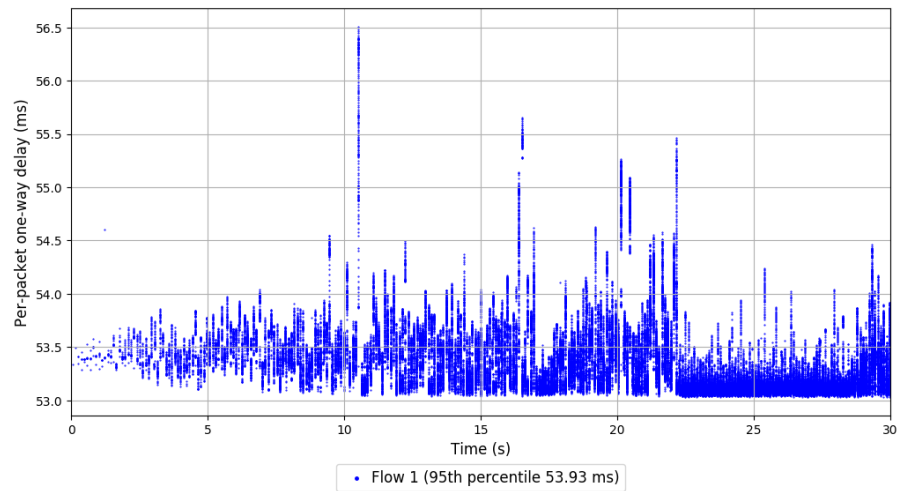
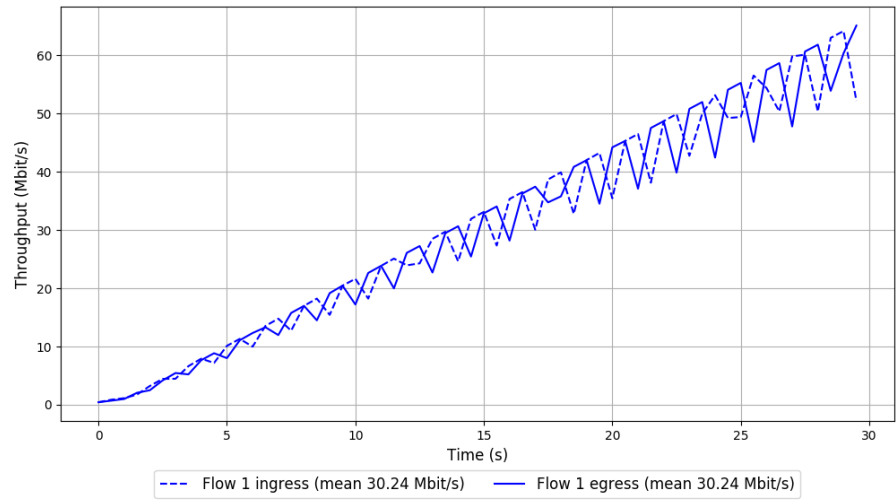
-- Flow 1:

Average throughput: 30.24 Mbit/s

95th percentile per-packet one-way delay: 53.933 ms

Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 02:53:29 +0000

End at: Sun, 06 Aug 2017 02:53:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:09 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.94 Mbit/s

95th percentile per-packet one-way delay: 53.498 ms

Loss rate: 5.15%

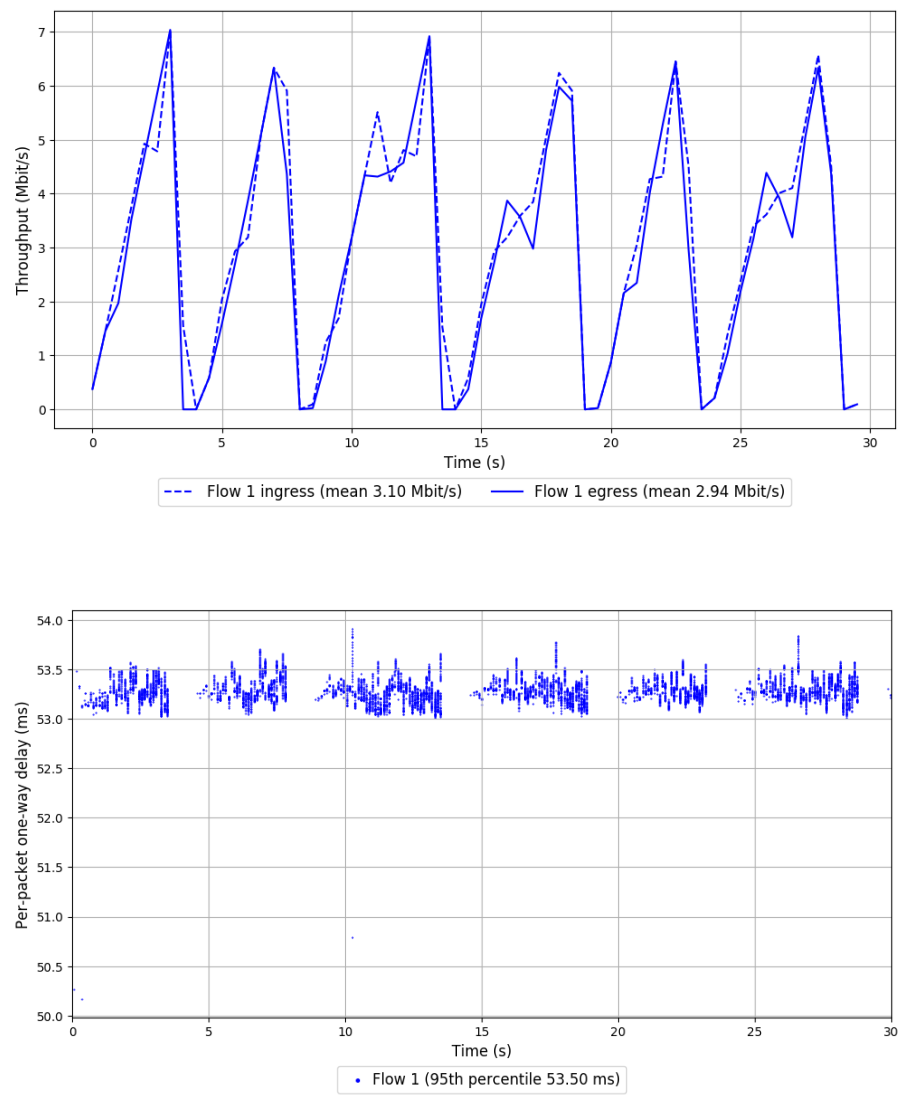
-- Flow 1:

Average throughput: 2.94 Mbit/s

95th percentile per-packet one-way delay: 53.498 ms

Loss rate: 5.15%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 03:03:21 +0000

End at: Sun, 06 Aug 2017 03:03:51 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:09 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.80 Mbit/s

95th percentile per-packet one-way delay: 53.503 ms

Loss rate: 4.75%

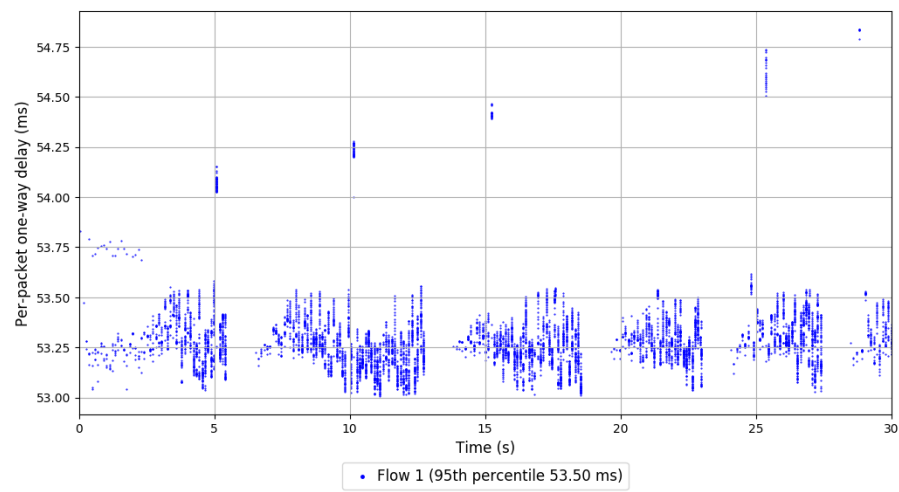
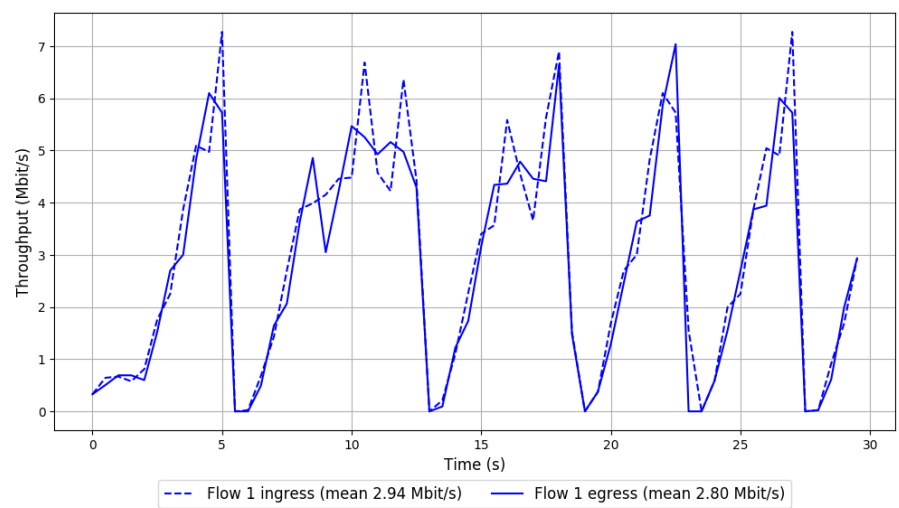
-- Flow 1:

Average throughput: 2.80 Mbit/s

95th percentile per-packet one-way delay: 53.503 ms

Loss rate: 4.75%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 03:12:54 +0000

End at: Sun, 06 Aug 2017 03:13:24 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:09 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.81 Mbit/s

95th percentile per-packet one-way delay: 53.526 ms

Loss rate: 5.42%

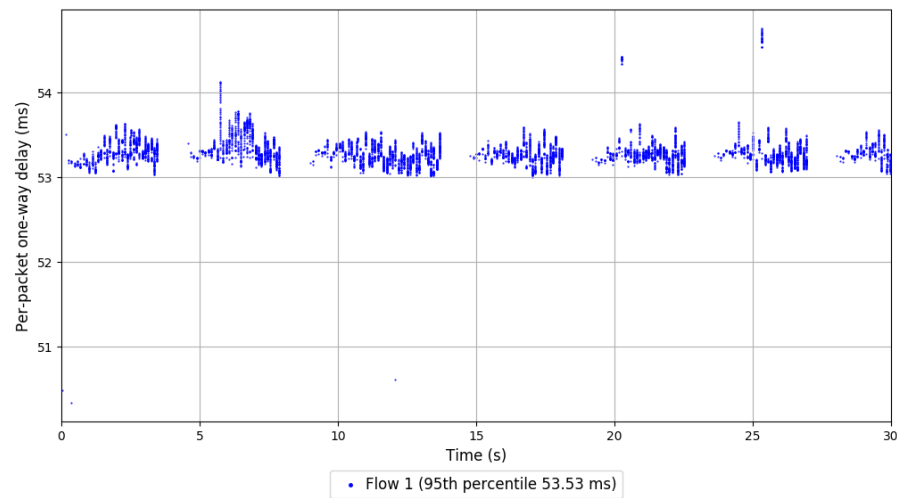
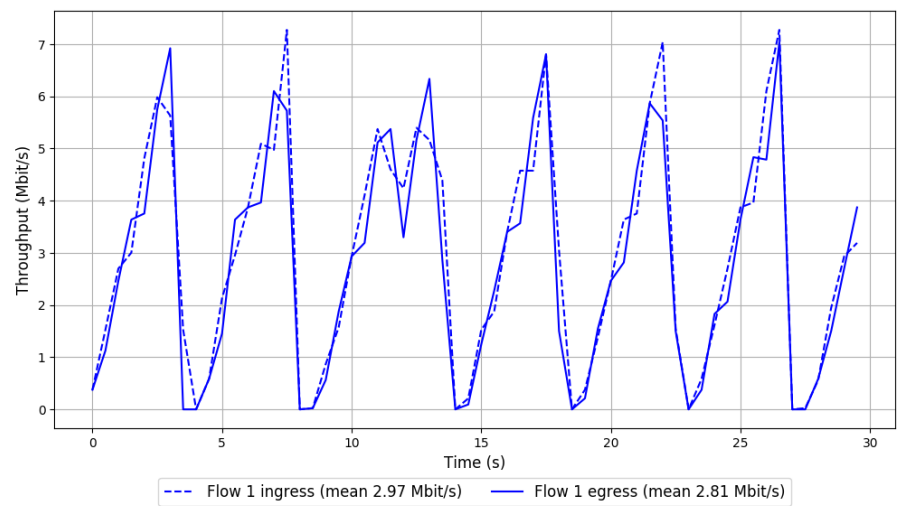
-- Flow 1:

Average throughput: 2.81 Mbit/s

95th percentile per-packet one-way delay: 53.526 ms

Loss rate: 5.42%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 03:22:55 +0000

End at: Sun, 06 Aug 2017 03:23:25 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:09 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.03 Mbit/s

95th percentile per-packet one-way delay: 54.177 ms

Loss rate: 0.88%

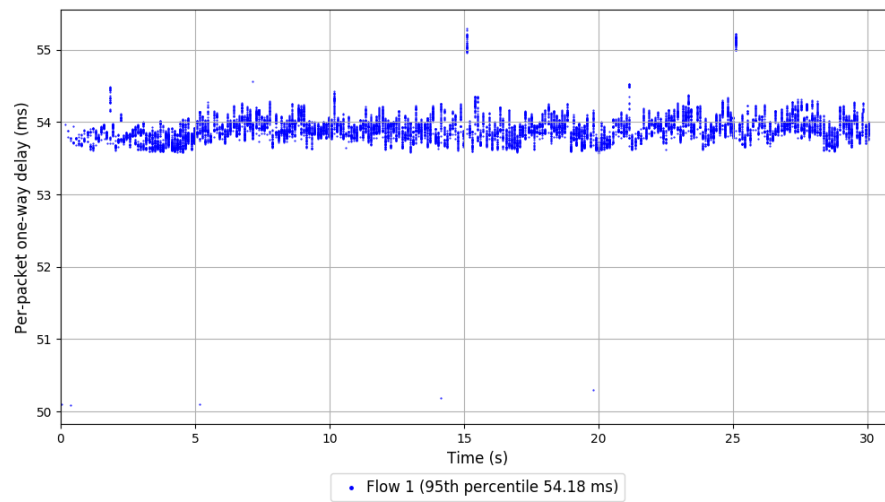
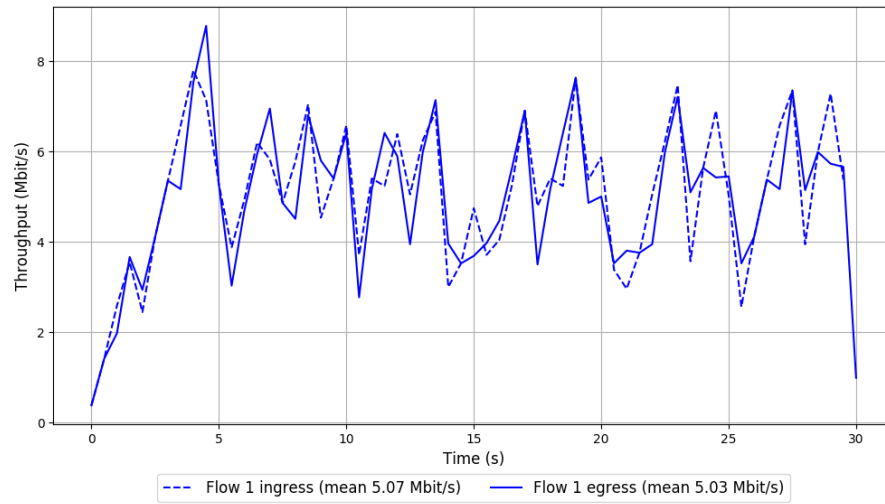
-- Flow 1:

Average throughput: 5.03 Mbit/s

95th percentile per-packet one-way delay: 54.177 ms

Loss rate: 0.88%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 03:32:54 +0000

End at: Sun, 06 Aug 2017 03:33:24 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:10 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.57 Mbit/s

95th percentile per-packet one-way delay: 54.047 ms

Loss rate: 1.31%

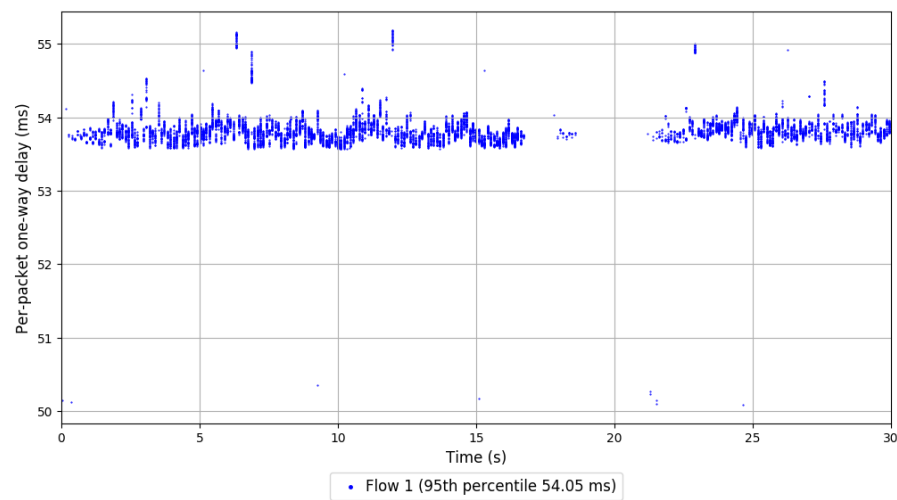
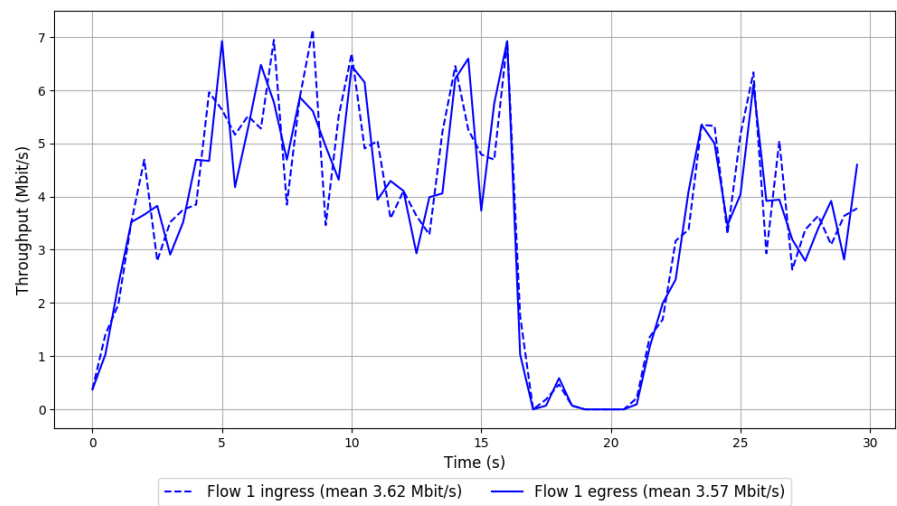
-- Flow 1:

Average throughput: 3.57 Mbit/s

95th percentile per-packet one-way delay: 54.047 ms

Loss rate: 1.31%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 03:42:41 +0000

End at: Sun, 06 Aug 2017 03:43:11 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:49:11 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.68 Mbit/s

95th percentile per-packet one-way delay: 53.471 ms

Loss rate: 5.53%

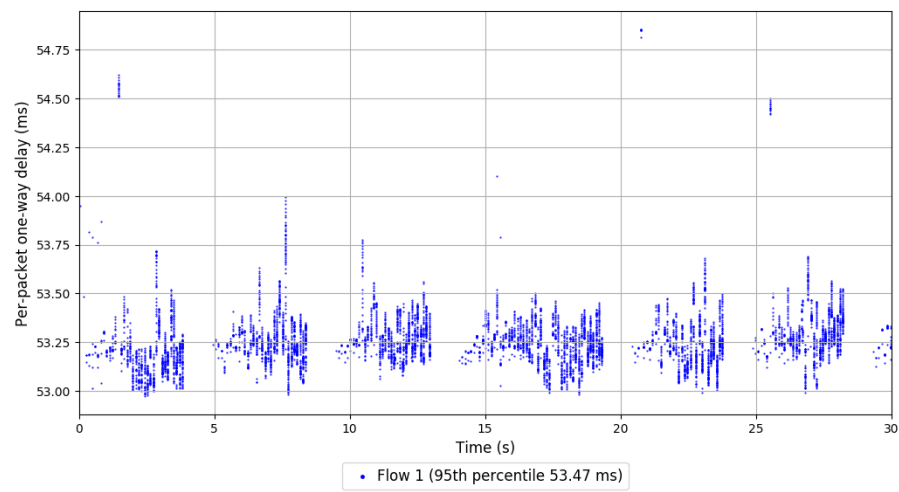
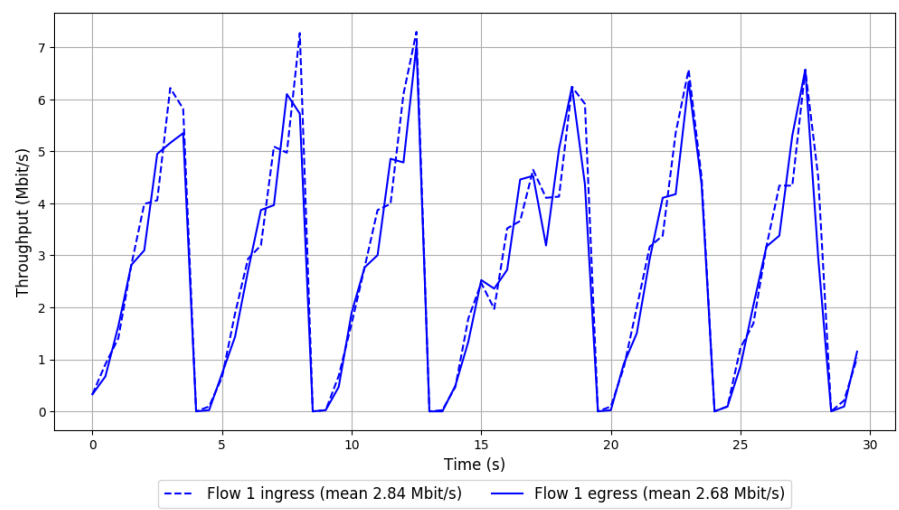
-- Flow 1:

Average throughput: 2.68 Mbit/s

95th percentile per-packet one-way delay: 53.471 ms

Loss rate: 5.53%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Sun, 06 Aug 2017 02:15:46 +0000

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

Below is generated by plot.py at Sun, 06 Aug 2017 04:50:31 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 467.95 Mbit/s

95th percentile per-packet one-way delay: 54.168 ms

Loss rate: 4.97%

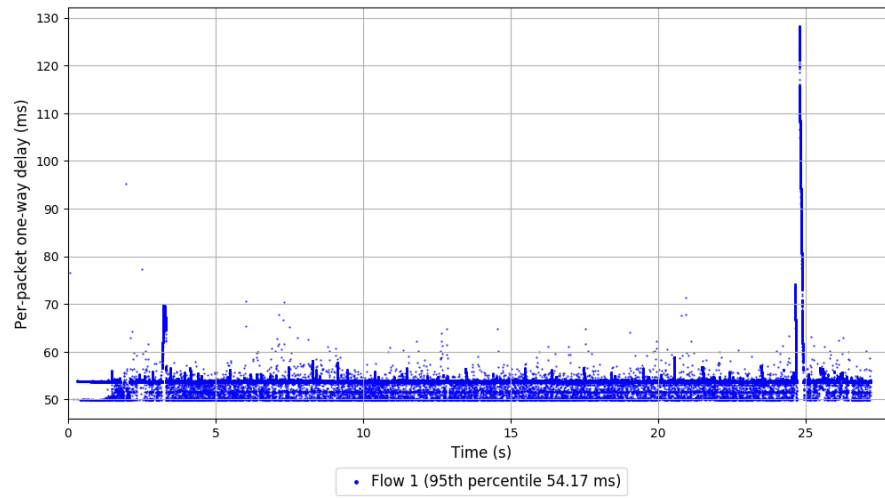
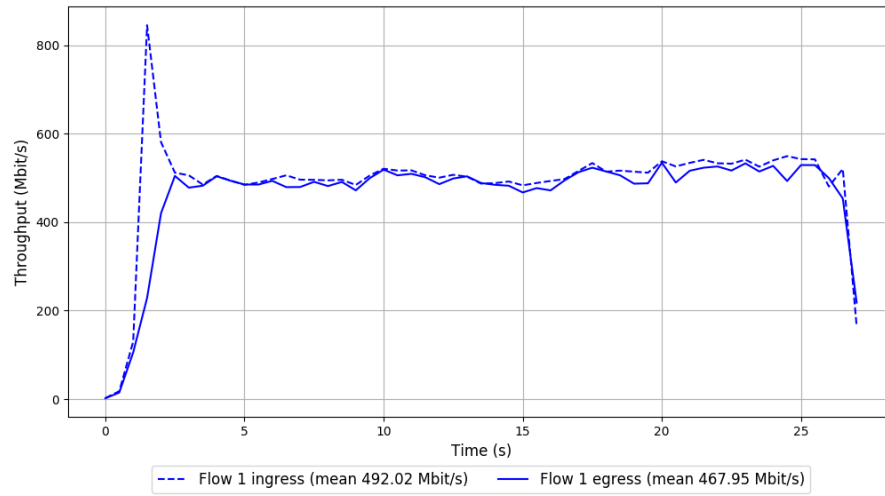
-- Flow 1:

Average throughput: 467.95 Mbit/s

95th percentile per-packet one-way delay: 54.168 ms

Loss rate: 4.97%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Sun, 06 Aug 2017 02:25:29 +0000

End at: Sun, 06 Aug 2017 02:25:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:50:31 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 122.22 Mbit/s

95th percentile per-packet one-way delay: 53.167 ms

Loss rate: 7.02%

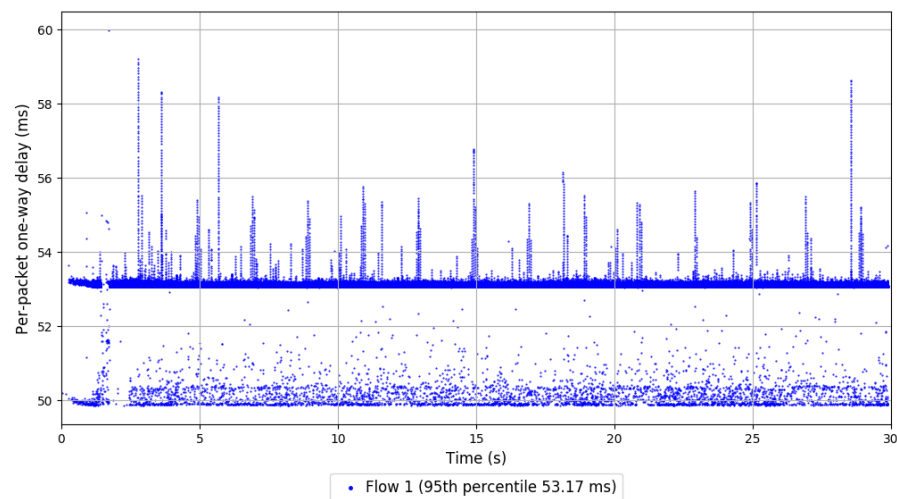
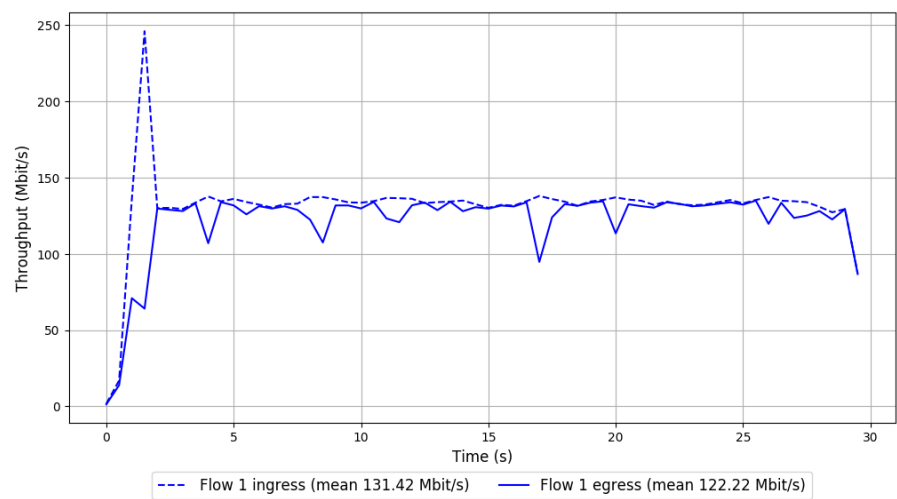
-- Flow 1:

Average throughput: 122.22 Mbit/s

95th percentile per-packet one-way delay: 53.167 ms

Loss rate: 7.02%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Sun, 06 Aug 2017 02:35:08 +0000

End at: Sun, 06 Aug 2017 02:35:38 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:50:31 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 118.21 Mbit/s

95th percentile per-packet one-way delay: 53.169 ms

Loss rate: 8.41%

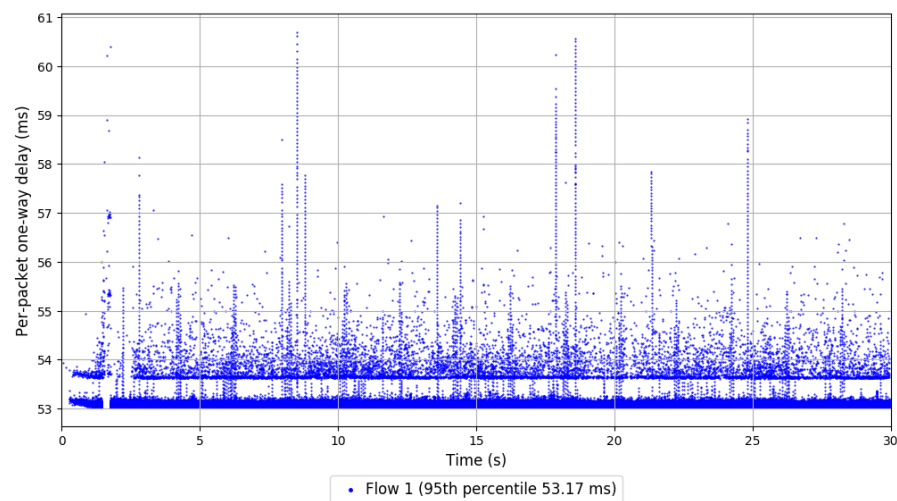
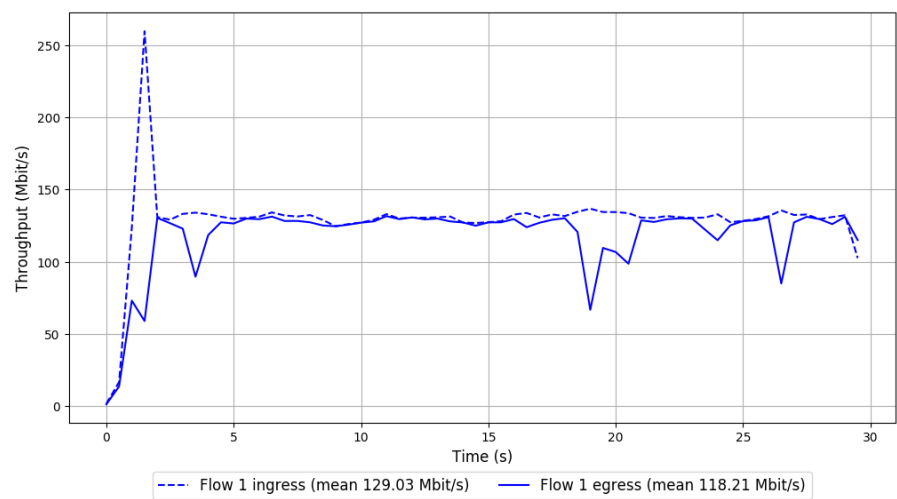
-- Flow 1:

Average throughput: 118.21 Mbit/s

95th percentile per-packet one-way delay: 53.169 ms

Loss rate: 8.41%

Run 3: Report of PCC — Data Link

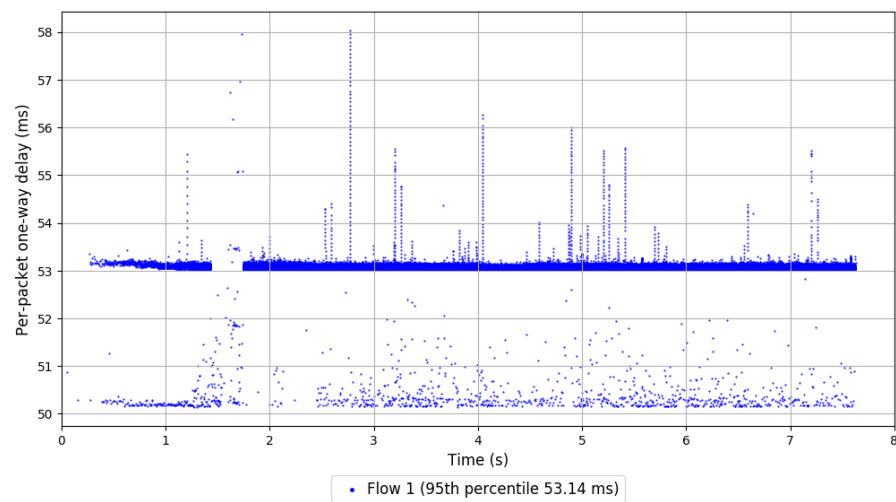
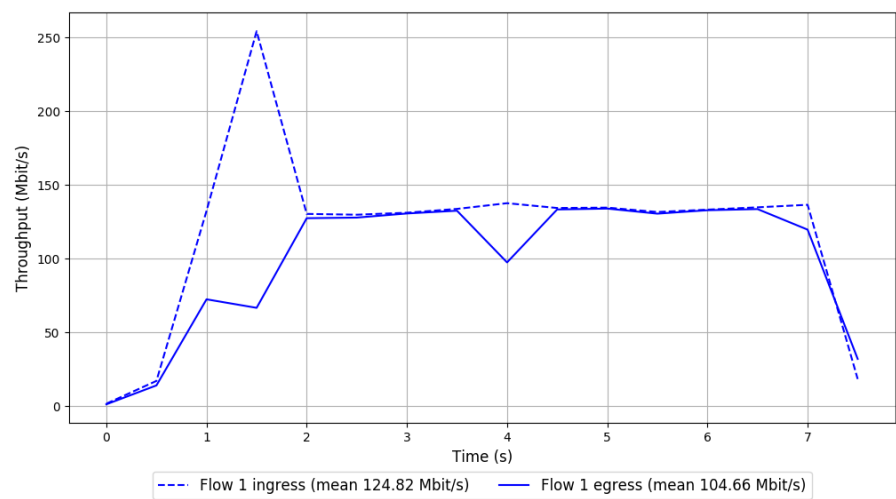


Run 4: Statistics of PCC

Start at: Sun, 06 Aug 2017 02:44:44 +0000

End at: Sun, 06 Aug 2017 02:45:15 +0000

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Sun, 06 Aug 2017 02:54:53 +0000

End at: Sun, 06 Aug 2017 02:55:23 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:50:35 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 116.23 Mbit/s

95th percentile per-packet one-way delay: 53.127 ms

Loss rate: 7.78%

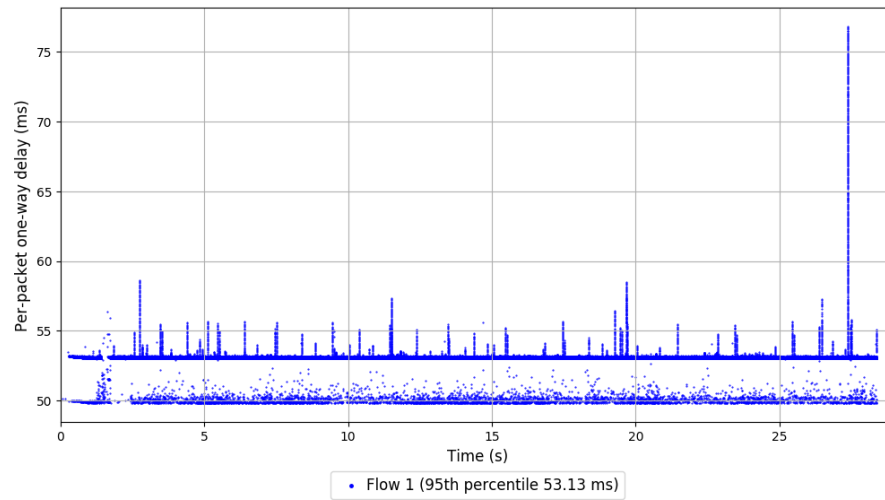
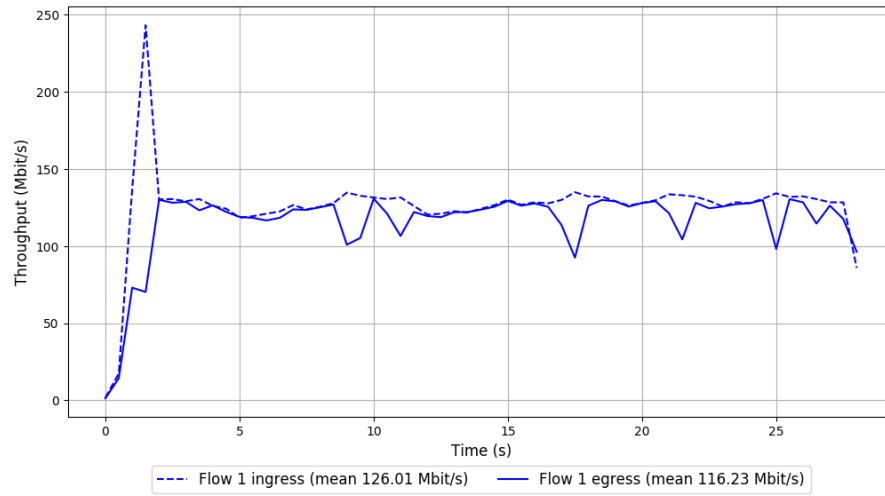
-- Flow 1:

Average throughput: 116.23 Mbit/s

95th percentile per-packet one-way delay: 53.127 ms

Loss rate: 7.78%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Sun, 06 Aug 2017 03:04:36 +0000

End at: Sun, 06 Aug 2017 03:05:06 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:50:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 119.44 Mbit/s

95th percentile per-packet one-way delay: 53.142 ms

Loss rate: 6.37%

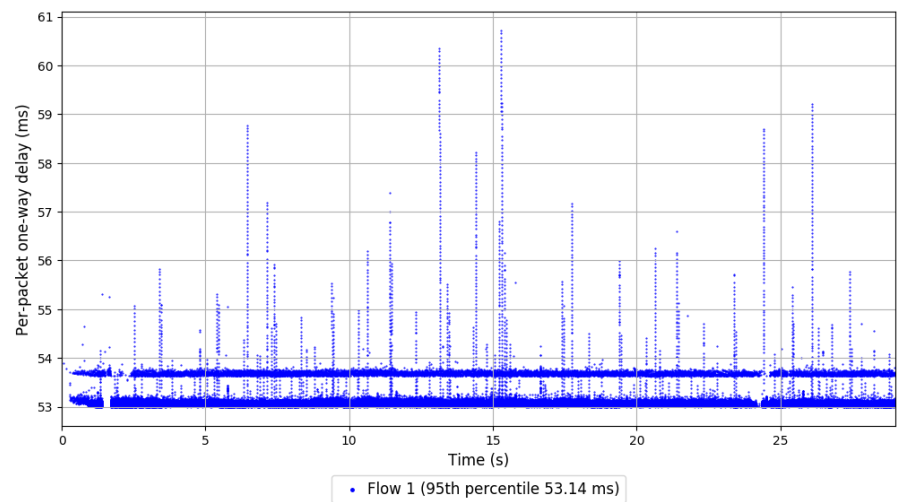
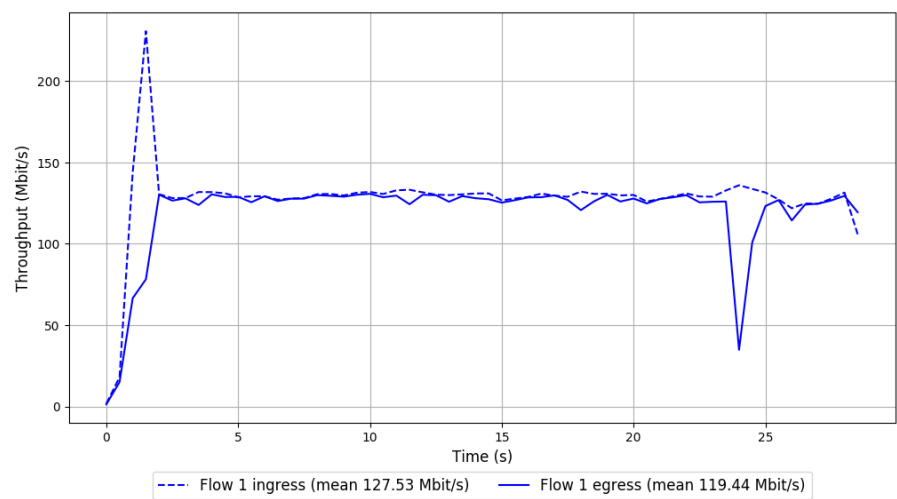
-- Flow 1:

Average throughput: 119.44 Mbit/s

95th percentile per-packet one-way delay: 53.142 ms

Loss rate: 6.37%

Run 6: Report of PCC — Data Link

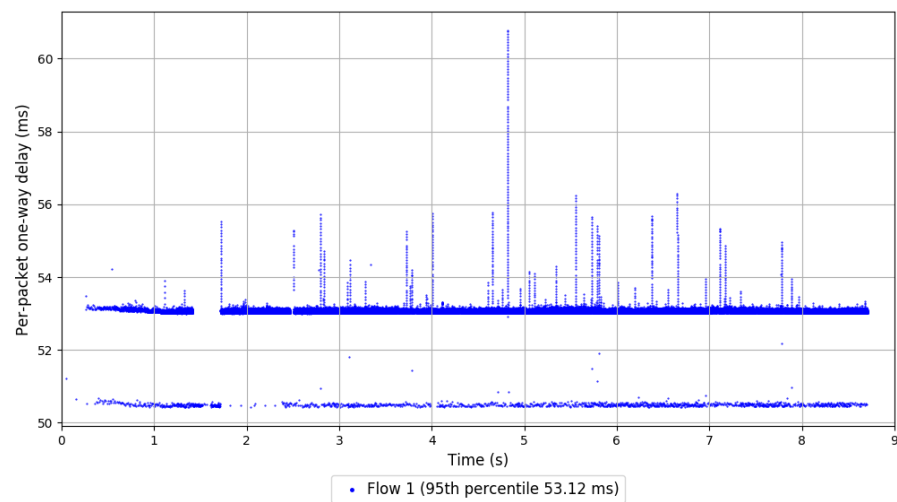
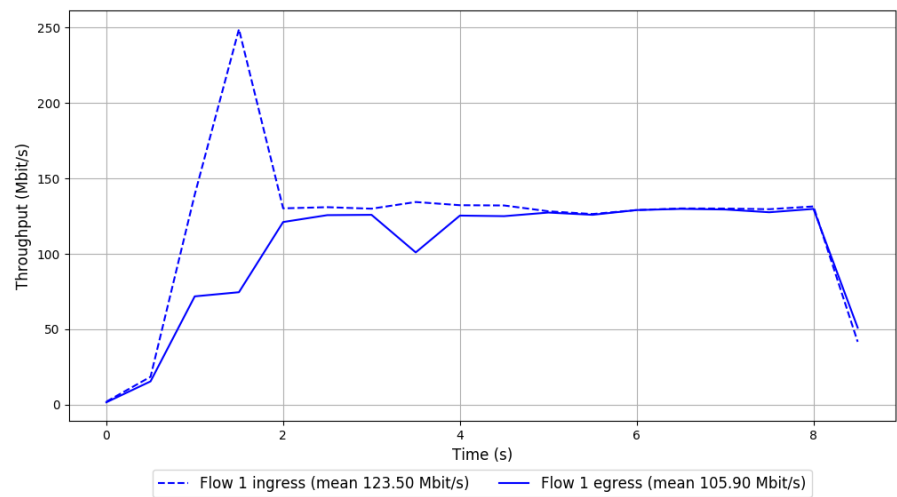


Run 7: Statistics of PCC

Start at: Sun, 06 Aug 2017 03:14:19 +0000

End at: Sun, 06 Aug 2017 03:14:49 +0000

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Sun, 06 Aug 2017 03:24:15 +0000

End at: Sun, 06 Aug 2017 03:24:45 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:50:59 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 92.75 Mbit/s

95th percentile per-packet one-way delay: 53.118 ms

Loss rate: 5.43%

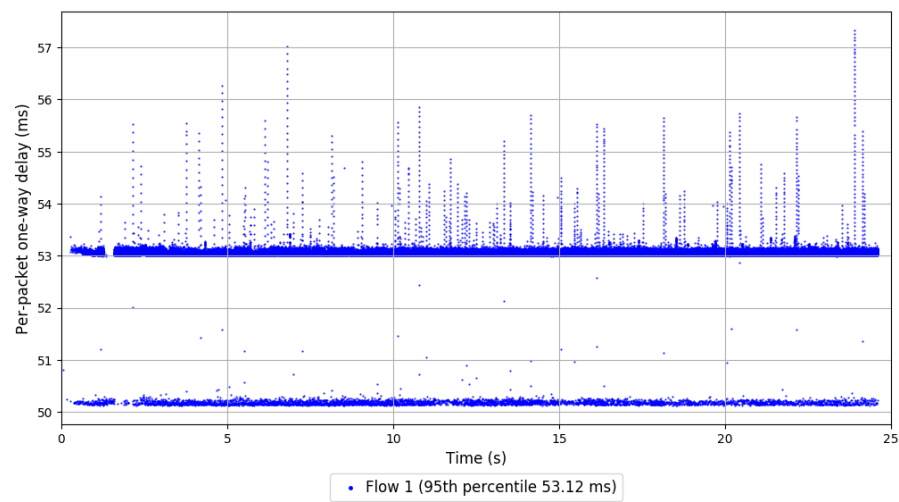
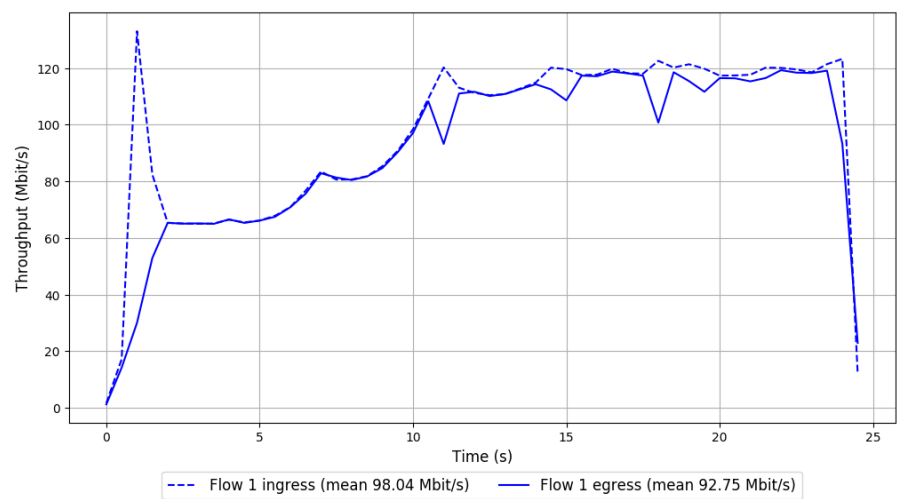
-- Flow 1:

Average throughput: 92.75 Mbit/s

95th percentile per-packet one-way delay: 53.118 ms

Loss rate: 5.43%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Sun, 06 Aug 2017 03:34:14 +0000

End at: Sun, 06 Aug 2017 03:34:44 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 474.54 Mbit/s

95th percentile per-packet one-way delay: 154.162 ms

Loss rate: 2.14%

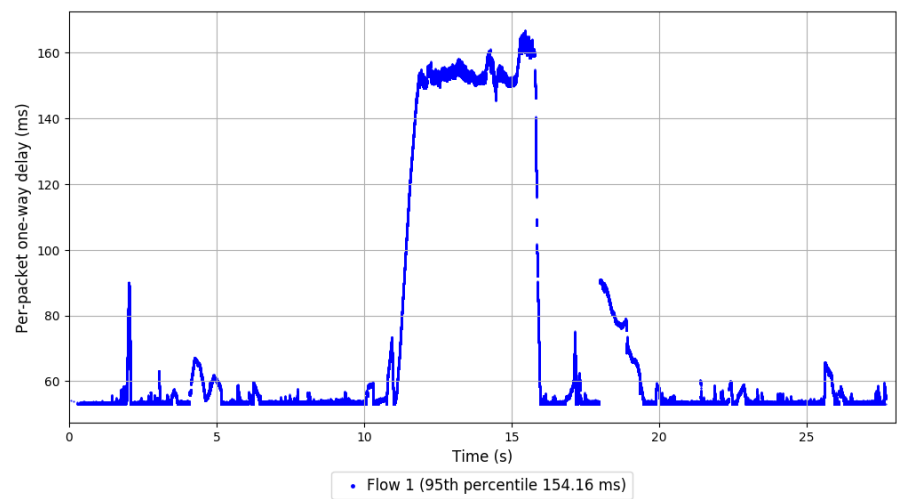
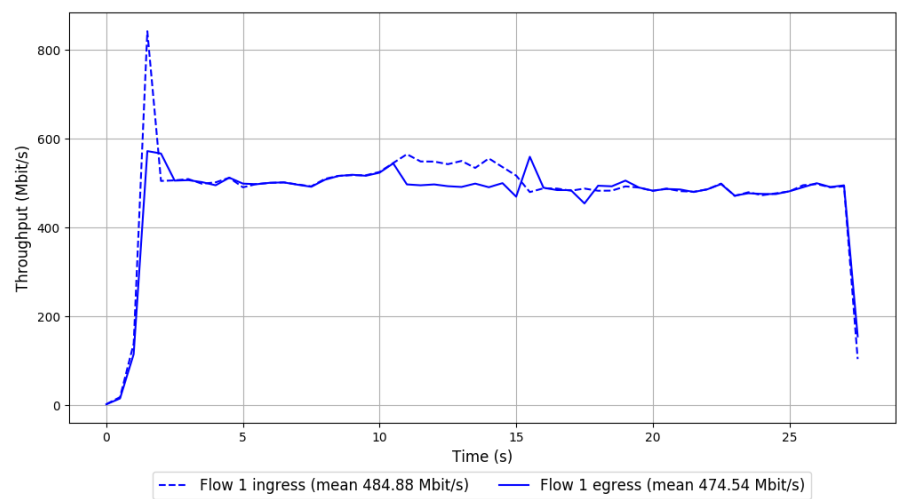
-- Flow 1:

Average throughput: 474.54 Mbit/s

95th percentile per-packet one-way delay: 154.162 ms

Loss rate: 2.14%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Sun, 06 Aug 2017 03:44:07 +0000

End at: Sun, 06 Aug 2017 03:44:37 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 453.69 Mbit/s

95th percentile per-packet one-way delay: 54.170 ms

Loss rate: 5.30%

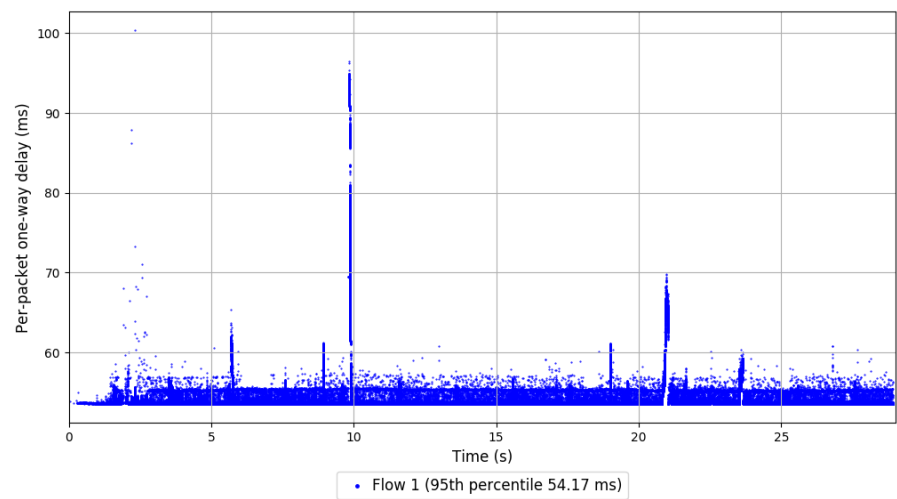
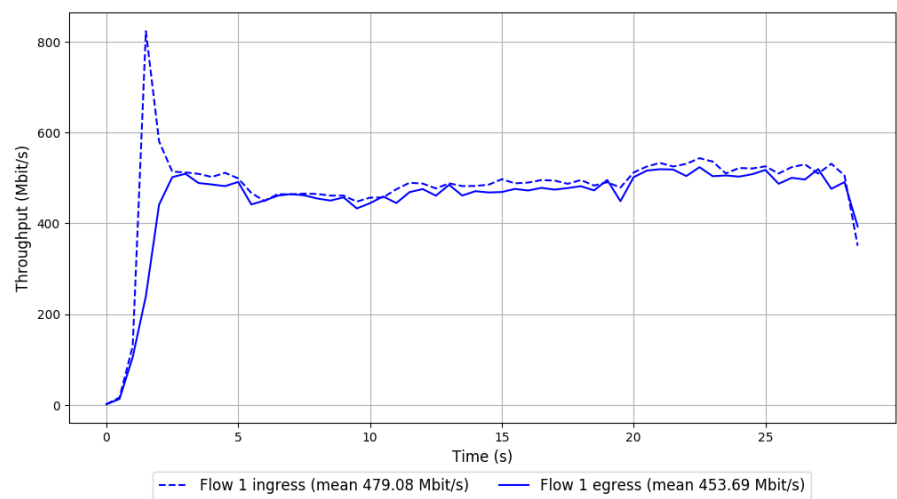
-- Flow 1:

Average throughput: 453.69 Mbit/s

95th percentile per-packet one-way delay: 54.170 ms

Loss rate: 5.30%

Run 10: Report of PCC — Data Link

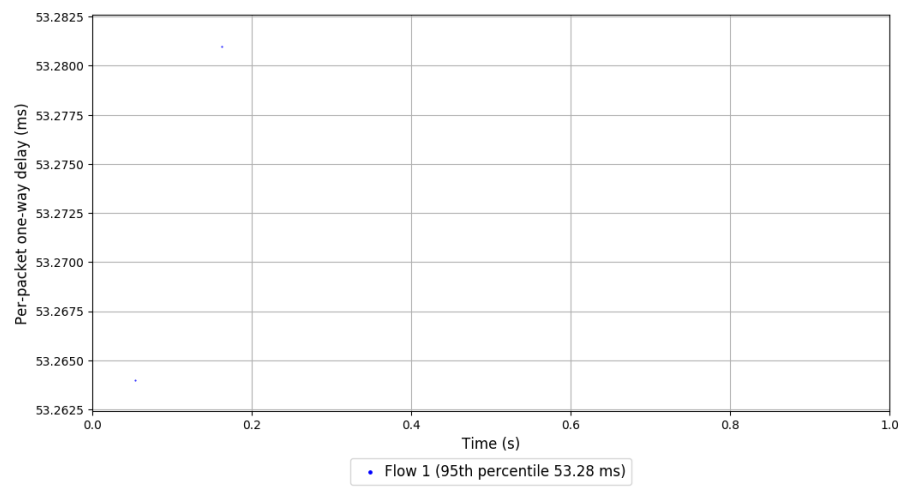
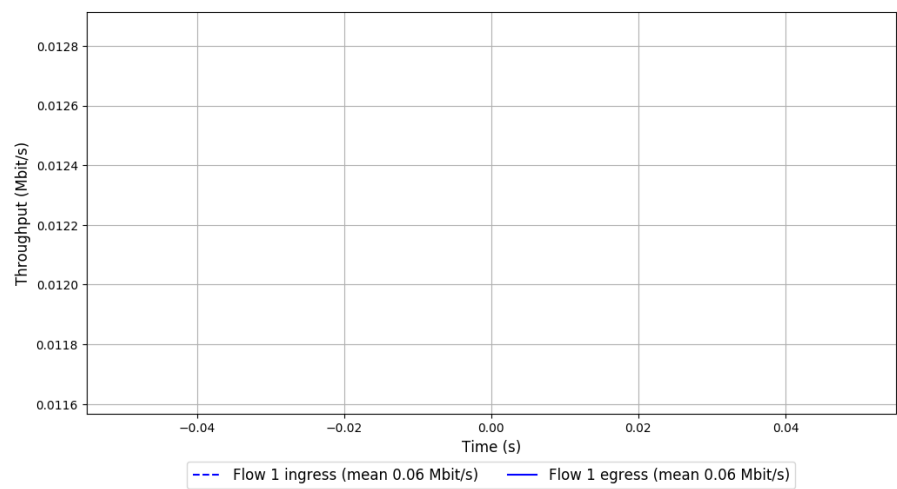


Run 1: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 02:08:04 +0000

End at: Sun, 06 Aug 2017 02:08:34 +0000

Run 1: Report of QUIC Cubic — Data Link

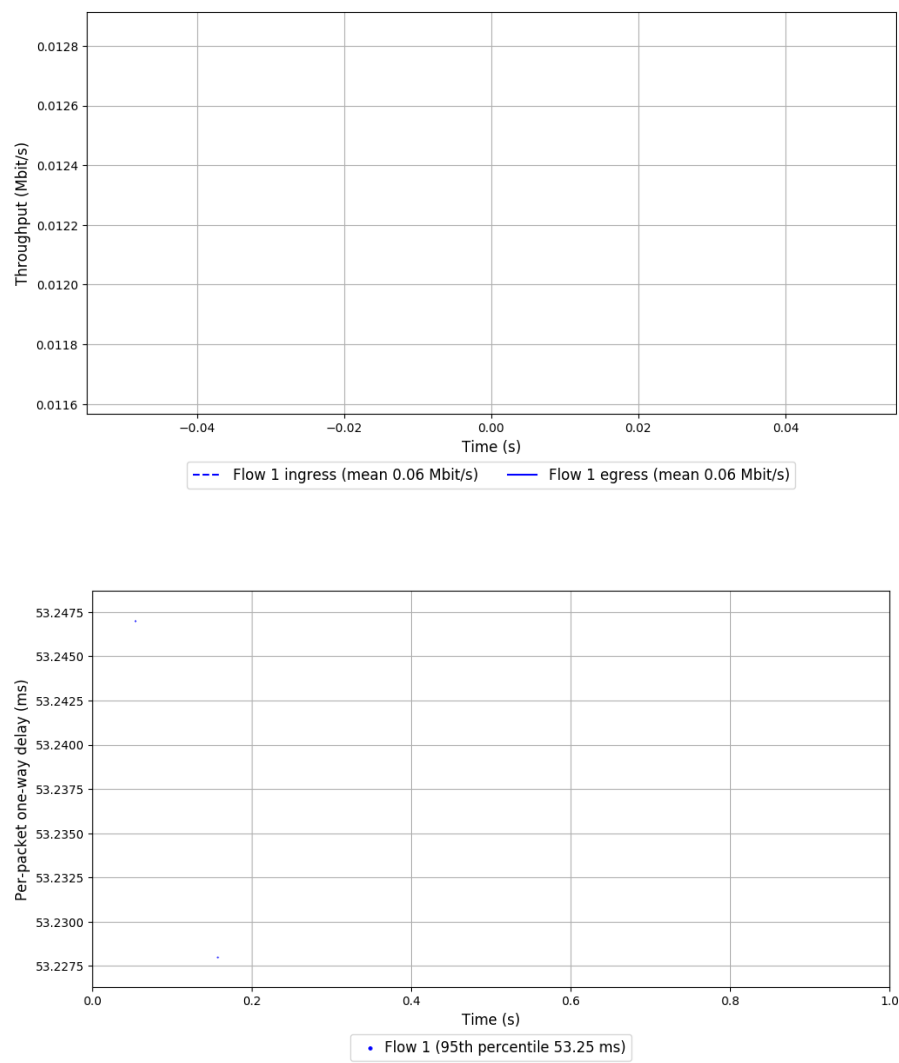


Run 2: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 02:17:53 +0000

End at: Sun, 06 Aug 2017 02:18:23 +0000

Run 2: Report of QUIC Cubic — Data Link

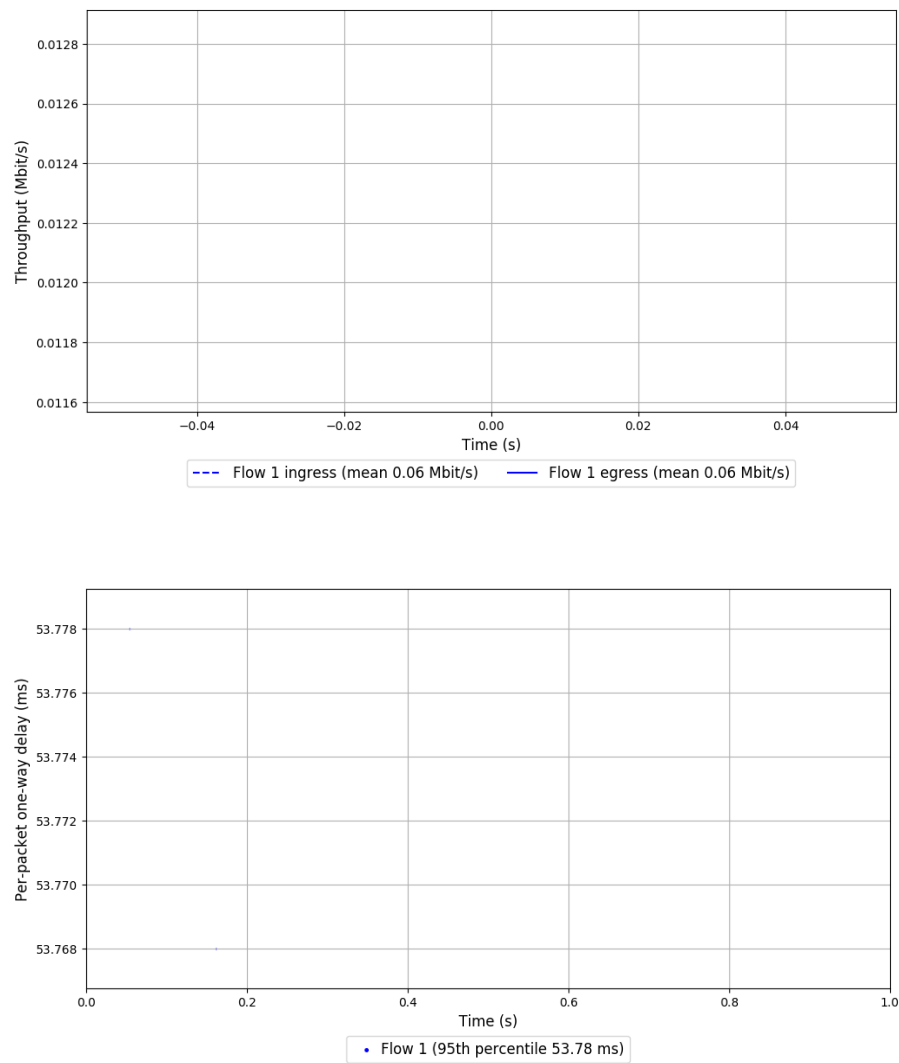


Run 3: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 02:27:25 +0000

End at: Sun, 06 Aug 2017 02:27:55 +0000

Run 3: Report of QUIC Cubic — Data Link

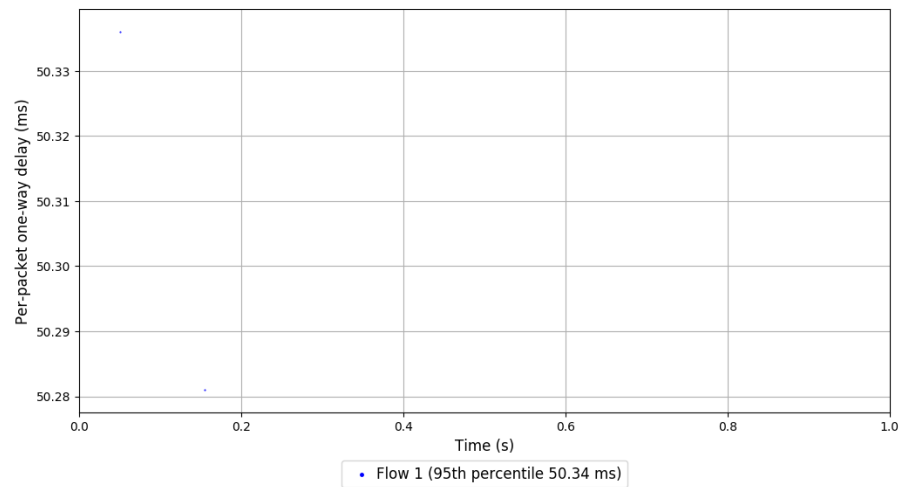
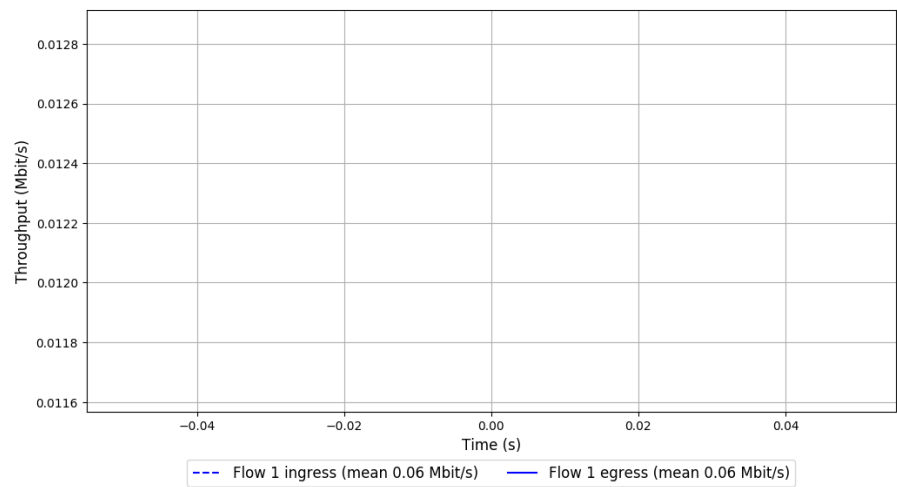


Run 4: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 02:37:05 +0000

End at: Sun, 06 Aug 2017 02:37:35 +0000

Run 4: Report of QUIC Cubic — Data Link

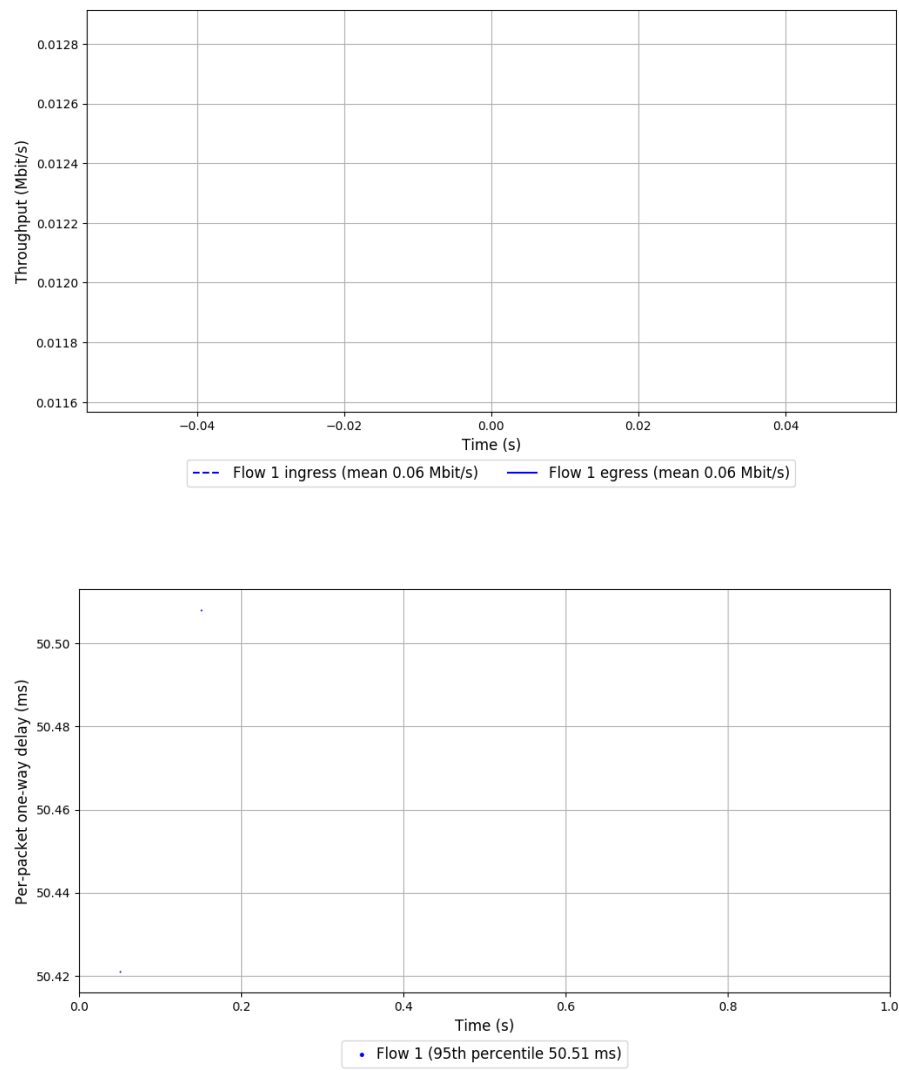


Run 5: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 02:46:43 +0000

End at: Sun, 06 Aug 2017 02:47:13 +0000

Run 5: Report of QUIC Cubic — Data Link

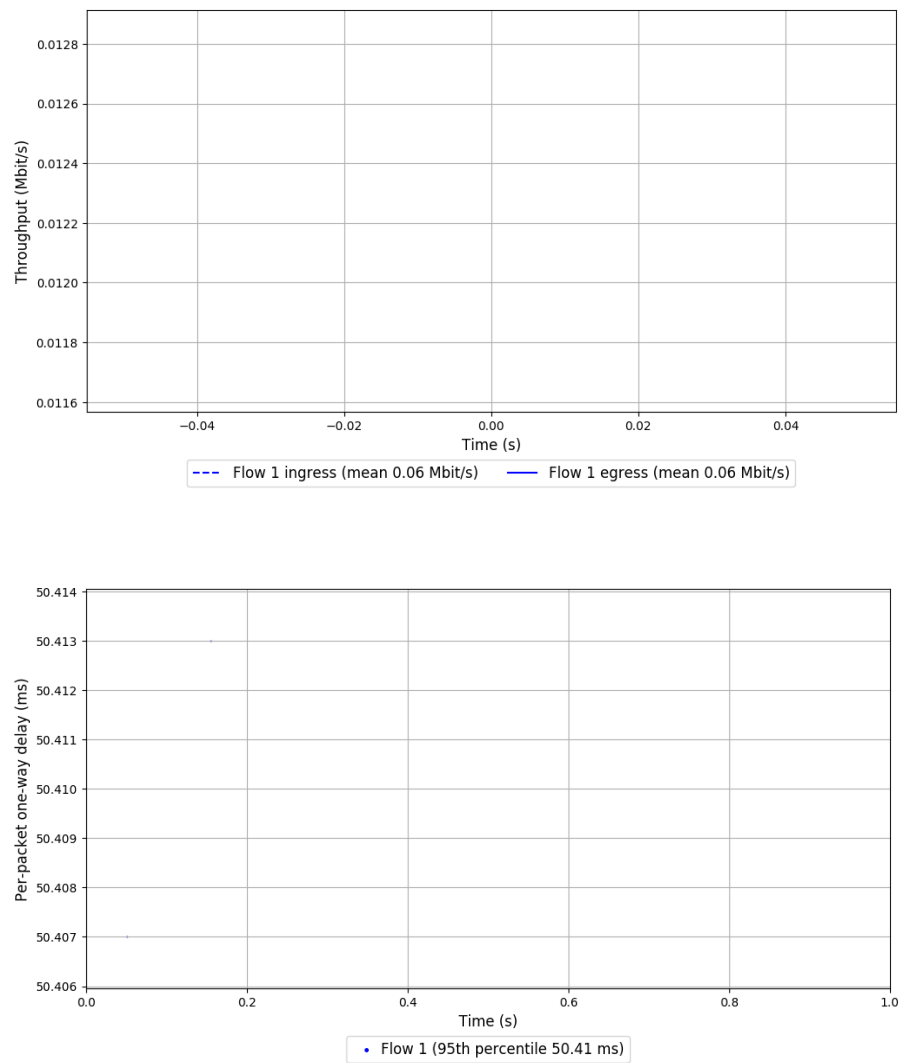


Run 6: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 02:56:55 +0000

End at: Sun, 06 Aug 2017 02:57:25 +0000

Run 6: Report of QUIC Cubic — Data Link

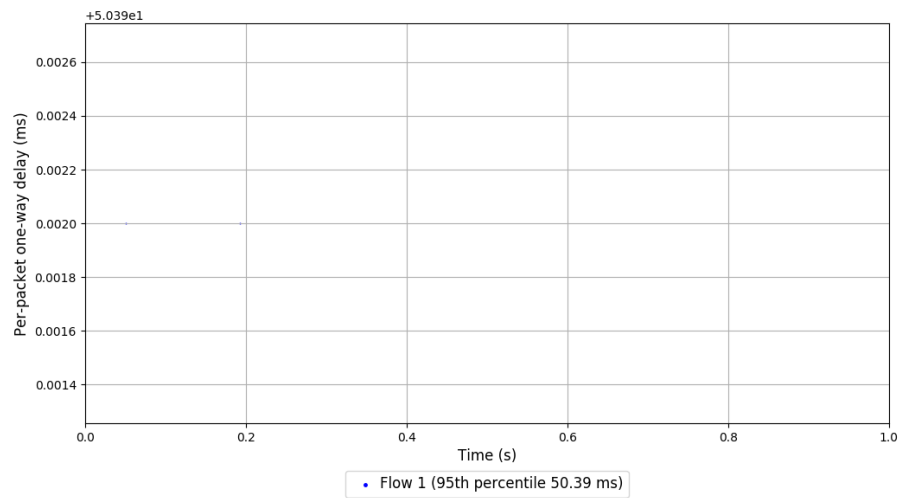
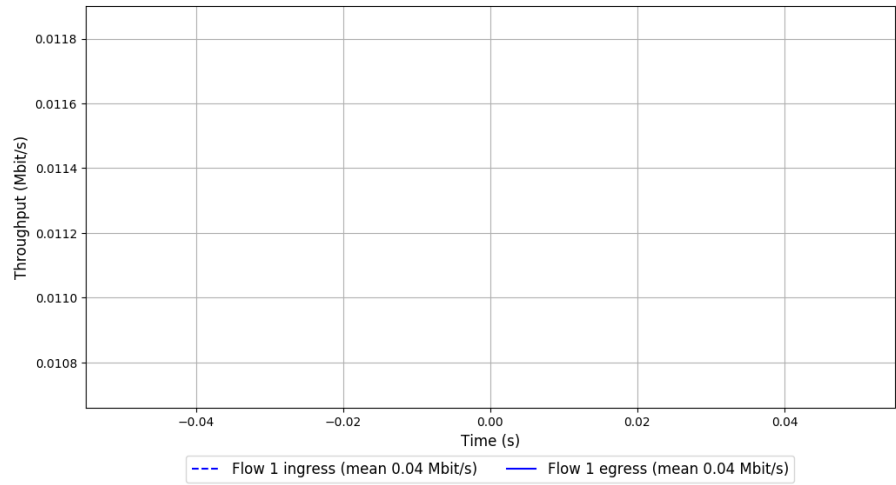


Run 7: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 03:06:32 +0000

End at: Sun, 06 Aug 2017 03:07:02 +0000

Run 7: Report of QUIC Cubic — Data Link

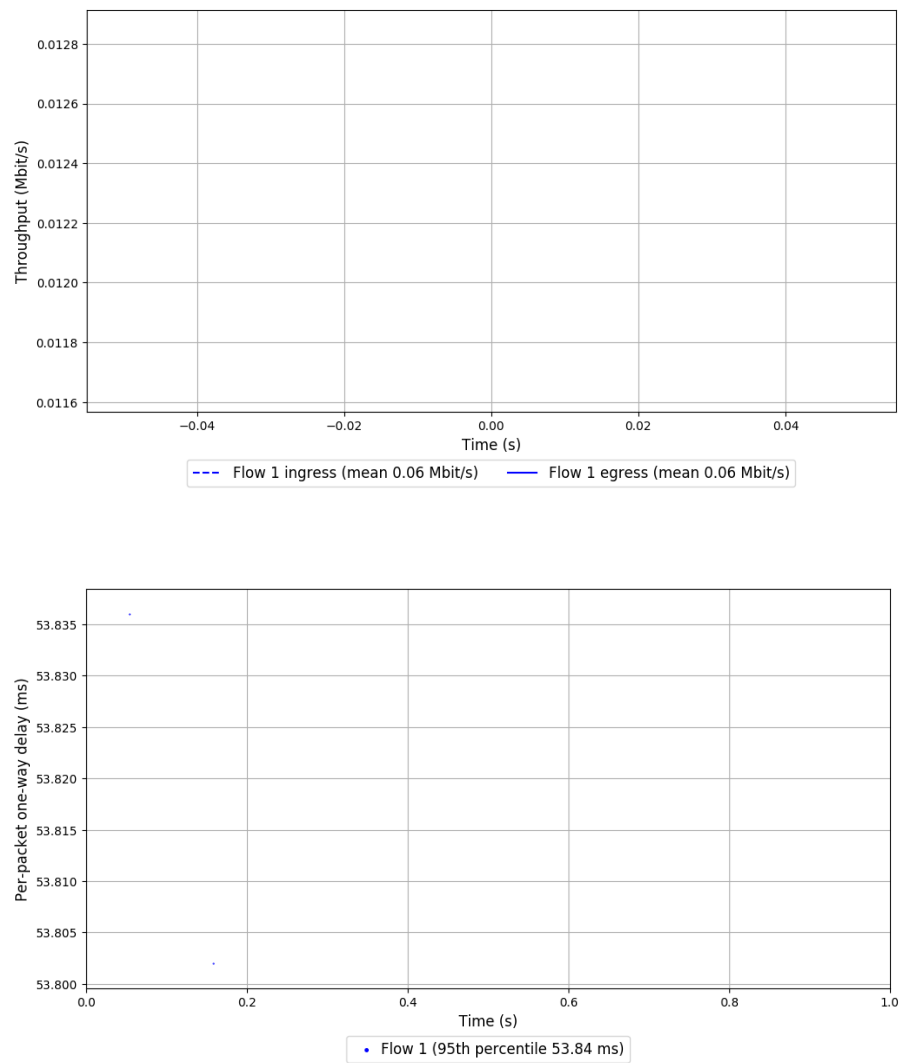


Run 8: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 03:16:12 +0000

End at: Sun, 06 Aug 2017 03:16:42 +0000

Run 8: Report of QUIC Cubic — Data Link

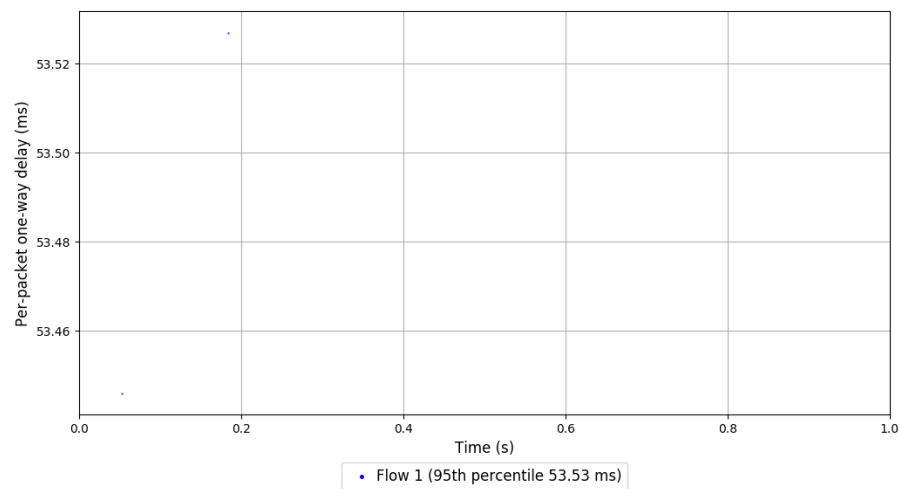
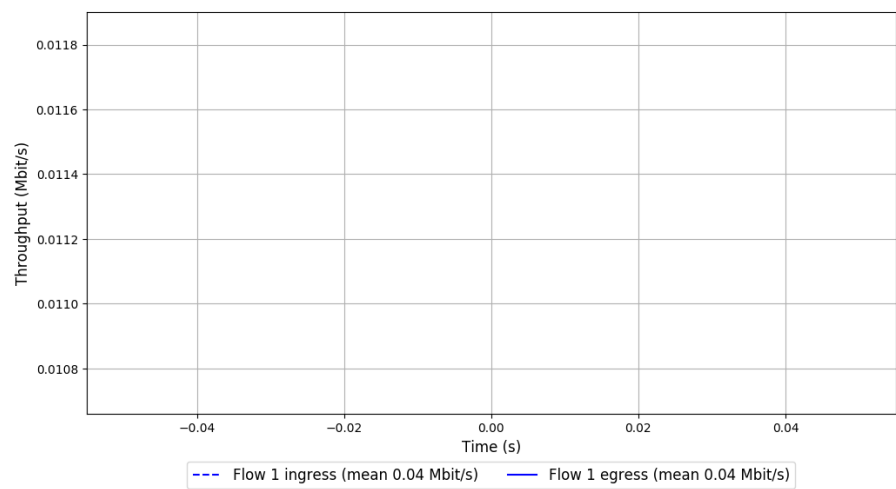


Run 9: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 03:26:11 +0000

End at: Sun, 06 Aug 2017 03:26:41 +0000

Run 9: Report of QUIC Cubic — Data Link

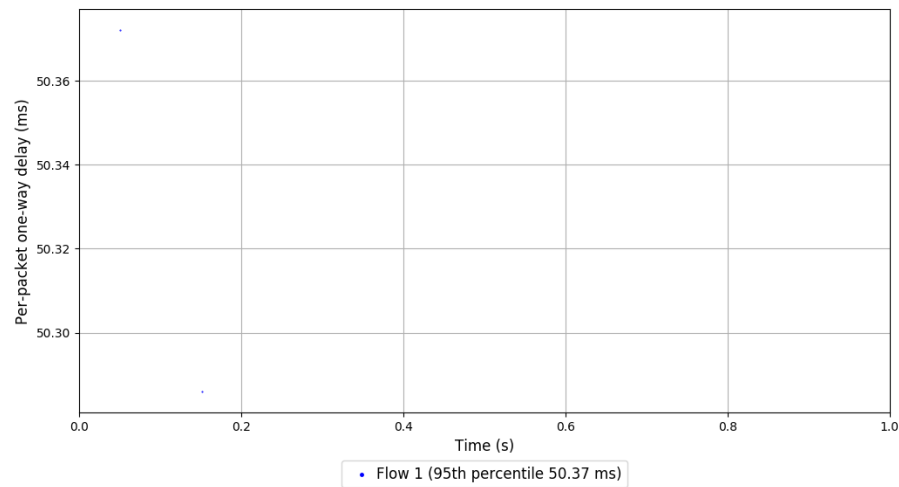
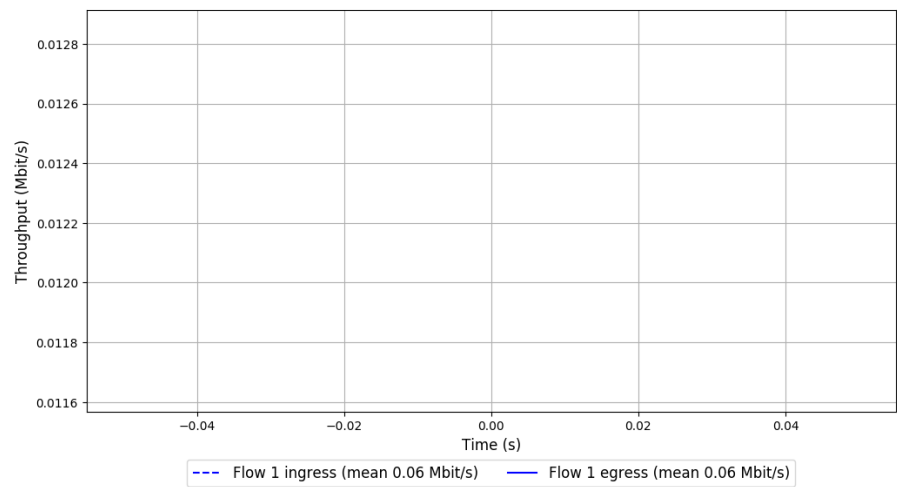


Run 10: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 03:36:22 +0000

End at: Sun, 06 Aug 2017 03:36:52 +0000

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Sun, 06 Aug 2017 02:07:25 +0000

End at: Sun, 06 Aug 2017 02:07:55 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.03 Mbit/s

95th percentile per-packet one-way delay: 53.722 ms

Loss rate: 0.05%

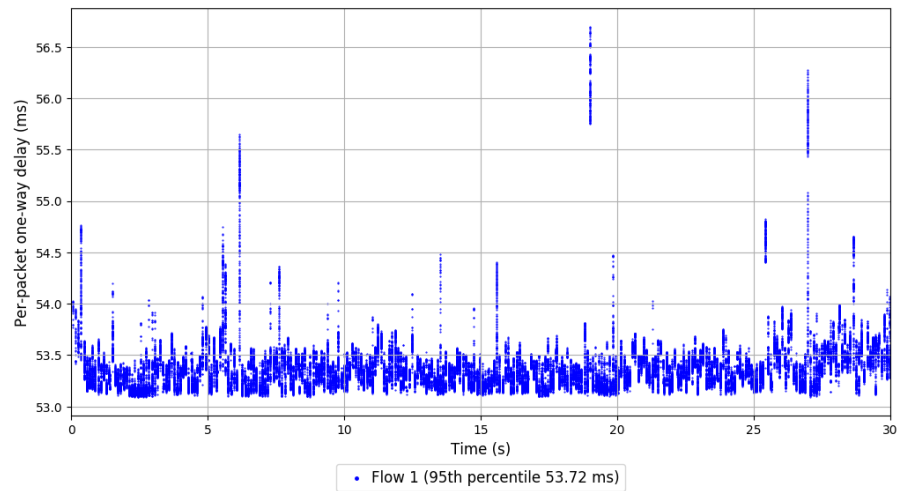
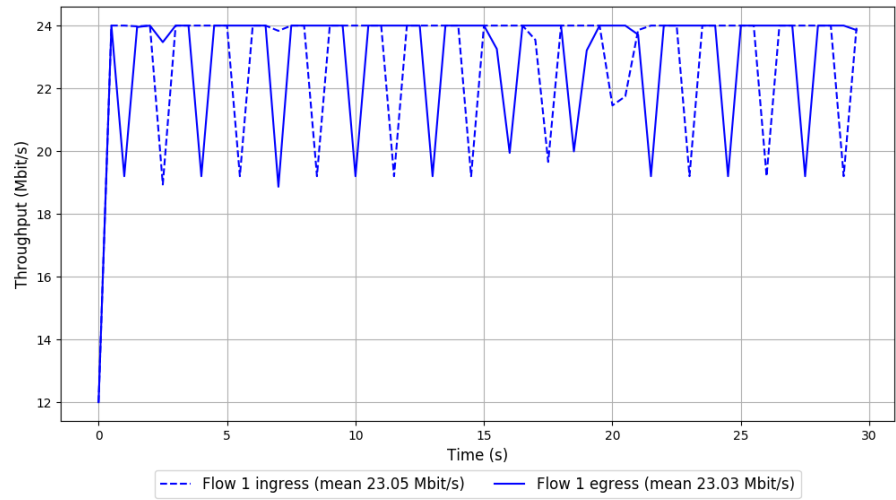
-- Flow 1:

Average throughput: 23.03 Mbit/s

95th percentile per-packet one-way delay: 53.722 ms

Loss rate: 0.05%

Run 1: Report of Saturator — Data Link

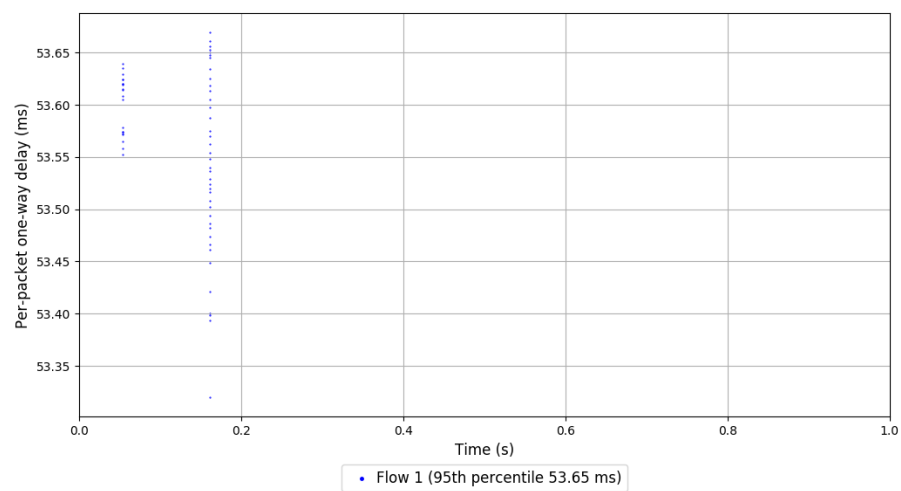
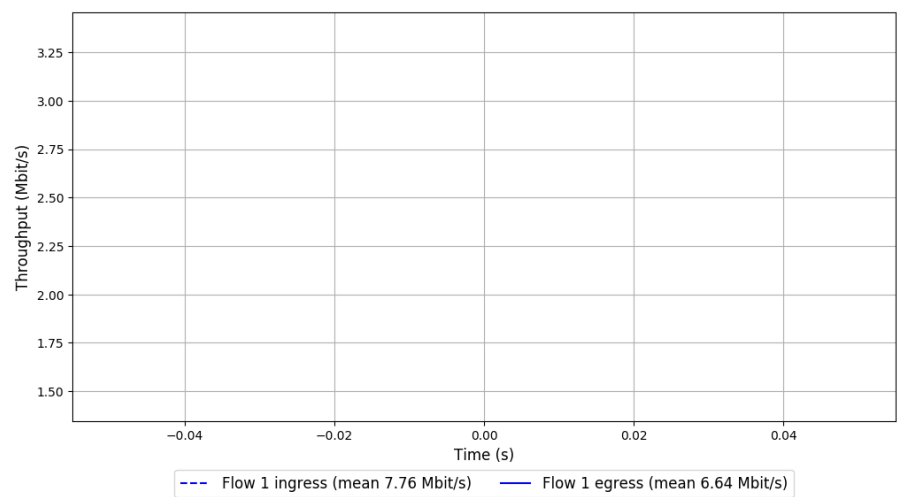


Run 2: Statistics of Saturator

Start at: Sun, 06 Aug 2017 02:17:16 +0000

End at: Sun, 06 Aug 2017 02:17:46 +0000

Run 2: Report of Saturator — Data Link

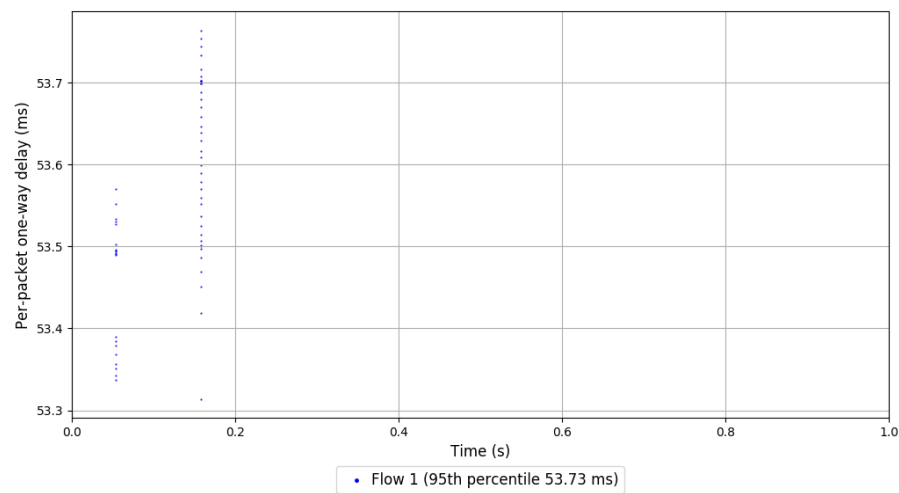
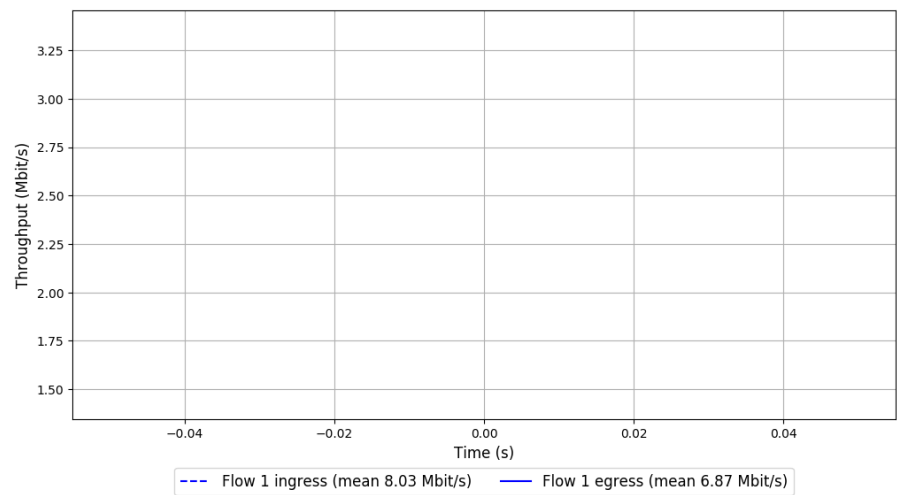


Run 3: Statistics of Saturator

Start at: Sun, 06 Aug 2017 02:26:49 +0000

End at: Sun, 06 Aug 2017 02:27:19 +0000

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Sun, 06 Aug 2017 02:36:28 +0000

End at: Sun, 06 Aug 2017 02:36:58 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:41 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.86 Mbit/s

95th percentile per-packet one-way delay: 54.273 ms

Loss rate: 48.84%

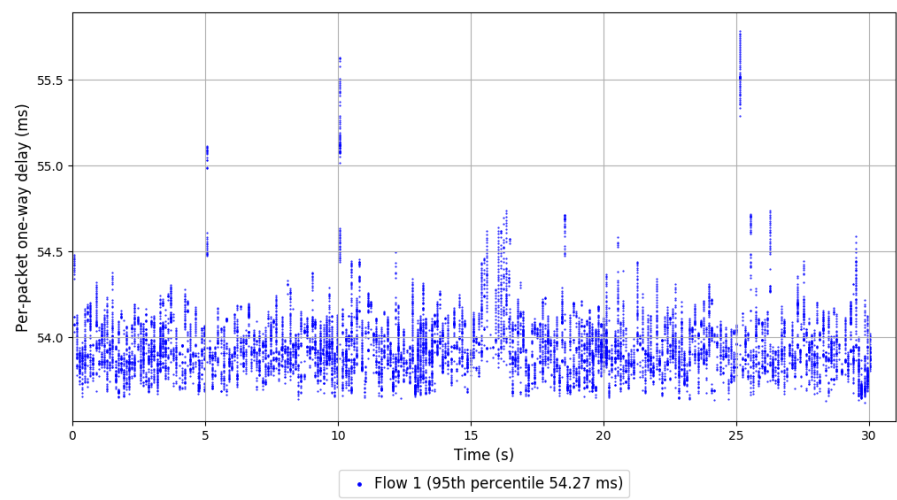
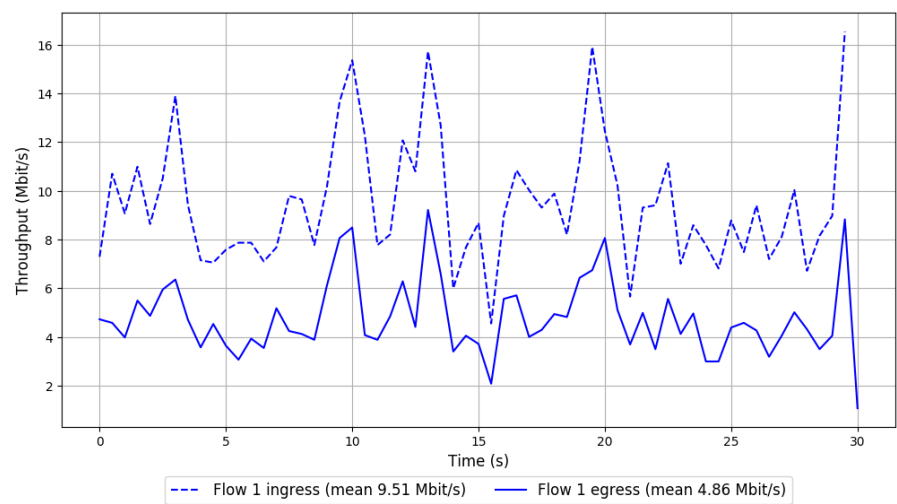
-- Flow 1:

Average throughput: 4.86 Mbit/s

95th percentile per-packet one-way delay: 54.273 ms

Loss rate: 48.84%

Run 4: Report of Saturator — Data Link

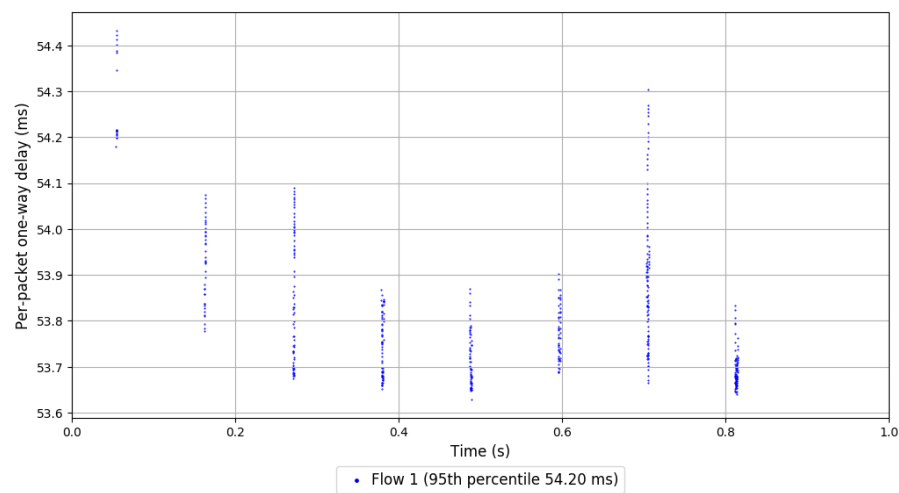
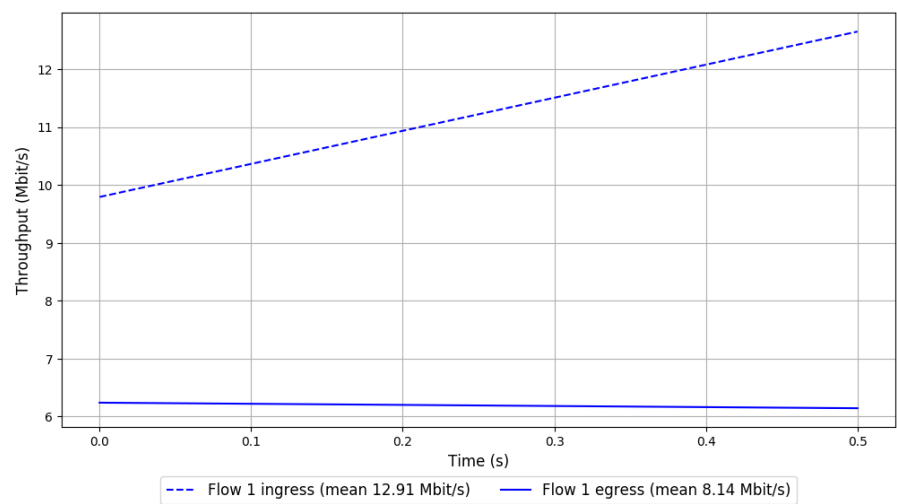


Run 5: Statistics of Saturator

Start at: Sun, 06 Aug 2017 02:46:06 +0000

End at: Sun, 06 Aug 2017 02:46:36 +0000

Run 5: Report of Saturator — Data Link

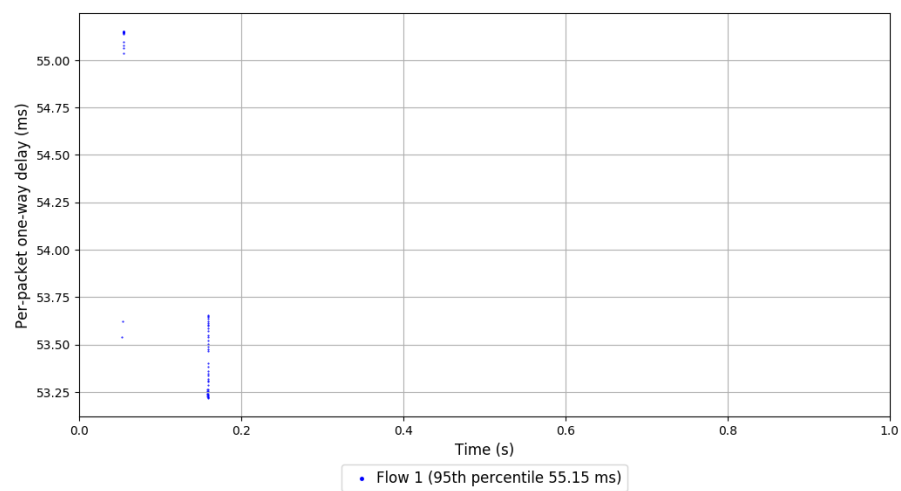
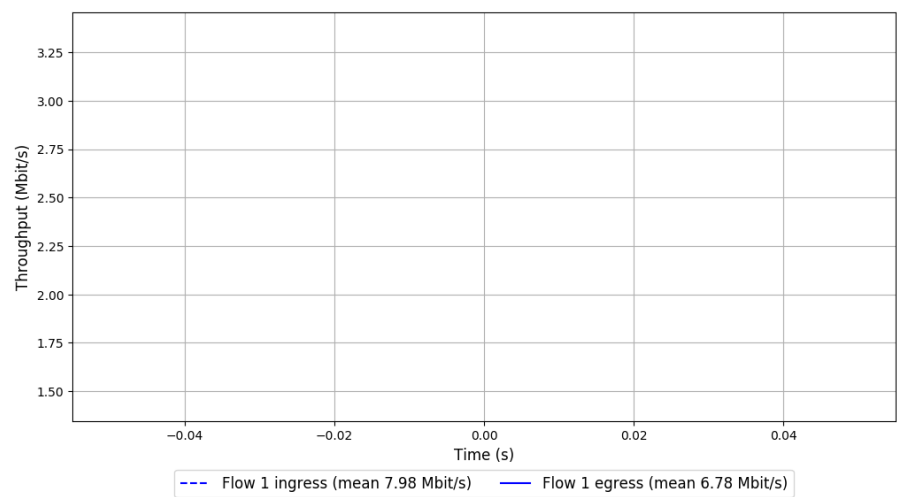


Run 6: Statistics of Saturator

Start at: Sun, 06 Aug 2017 02:56:19 +0000

End at: Sun, 06 Aug 2017 02:56:49 +0000

Run 6: Report of Saturator — Data Link

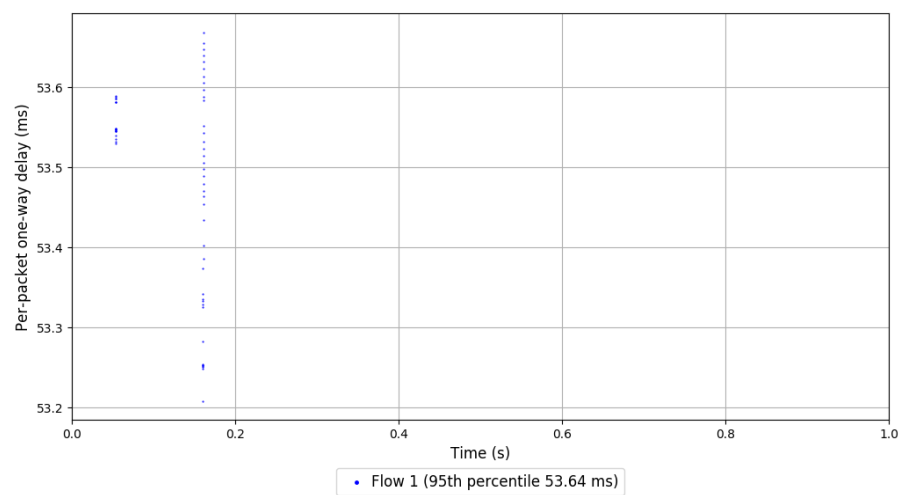
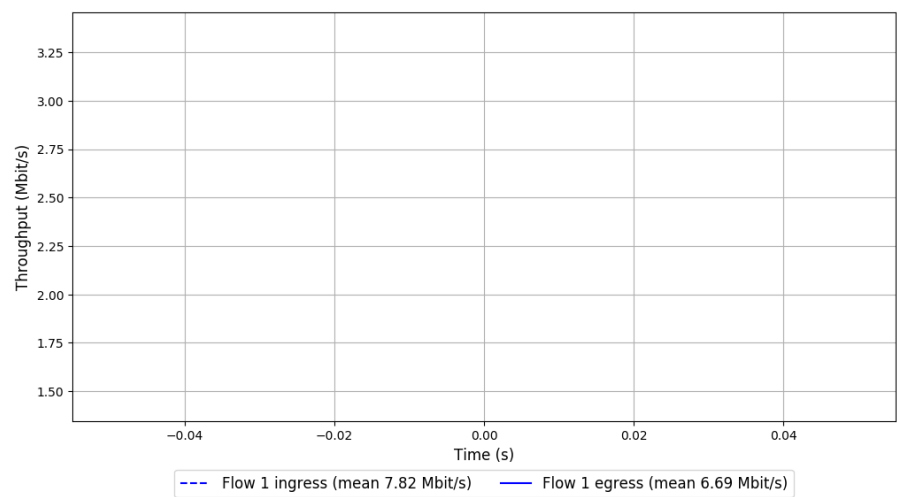


Run 7: Statistics of Saturator

Start at: Sun, 06 Aug 2017 03:05:55 +0000

End at: Sun, 06 Aug 2017 03:06:25 +0000

Run 7: Report of Saturator — Data Link

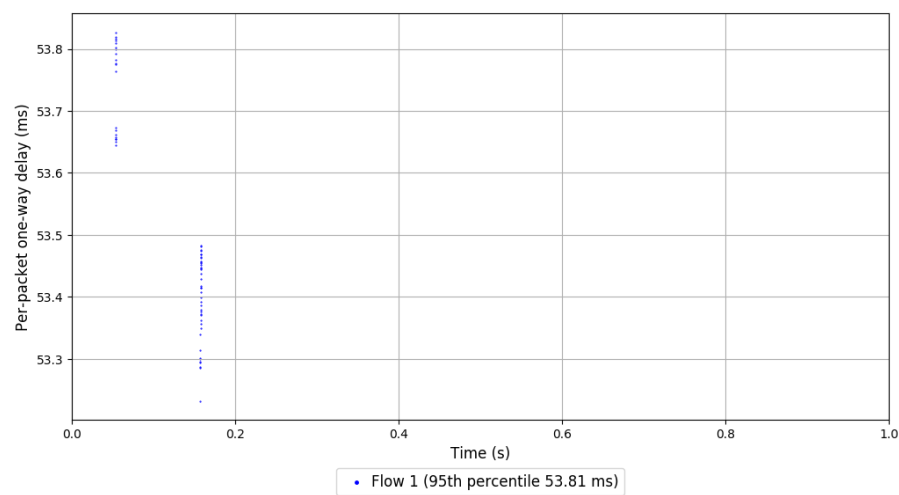
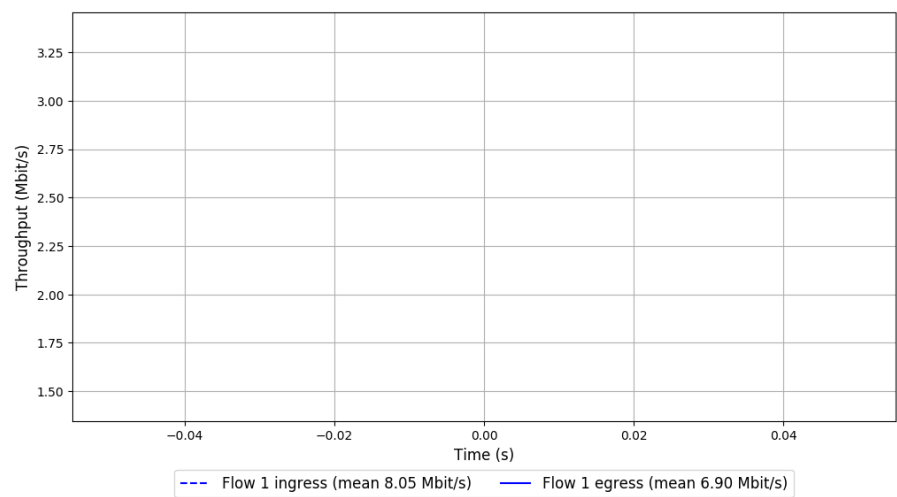


Run 8: Statistics of Saturator

Start at: Sun, 06 Aug 2017 03:15:35 +0000

End at: Sun, 06 Aug 2017 03:16:05 +0000

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Sun, 06 Aug 2017 03:25:33 +0000

End at: Sun, 06 Aug 2017 03:26:03 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.85 Mbit/s

95th percentile per-packet one-way delay: 53.978 ms

Loss rate: 0.04%

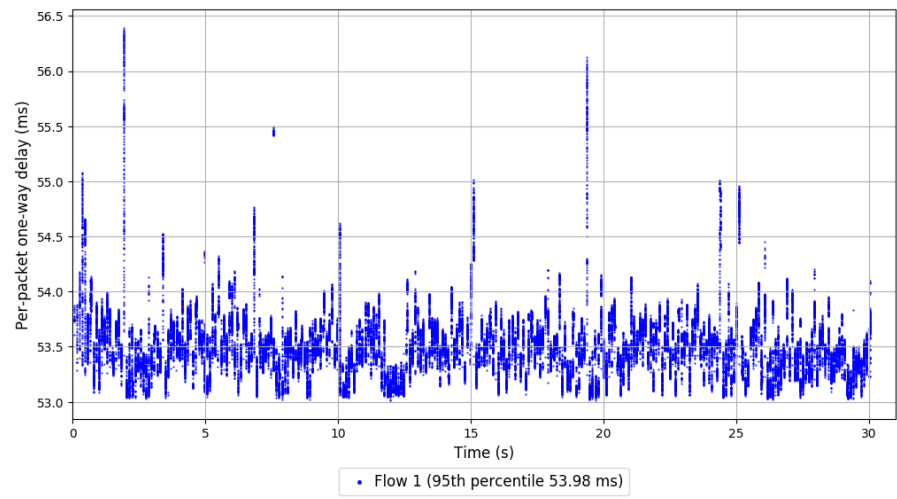
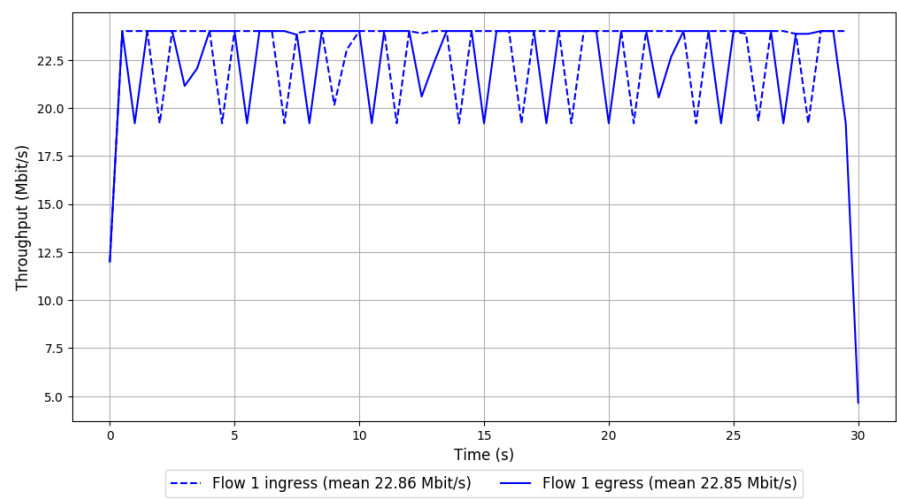
-- Flow 1:

Average throughput: 22.85 Mbit/s

95th percentile per-packet one-way delay: 53.978 ms

Loss rate: 0.04%

Run 9: Report of Saturator — Data Link

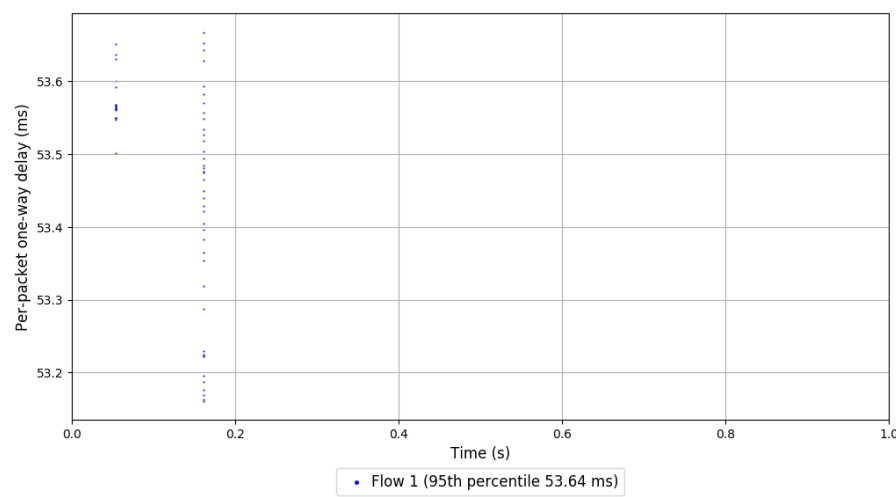
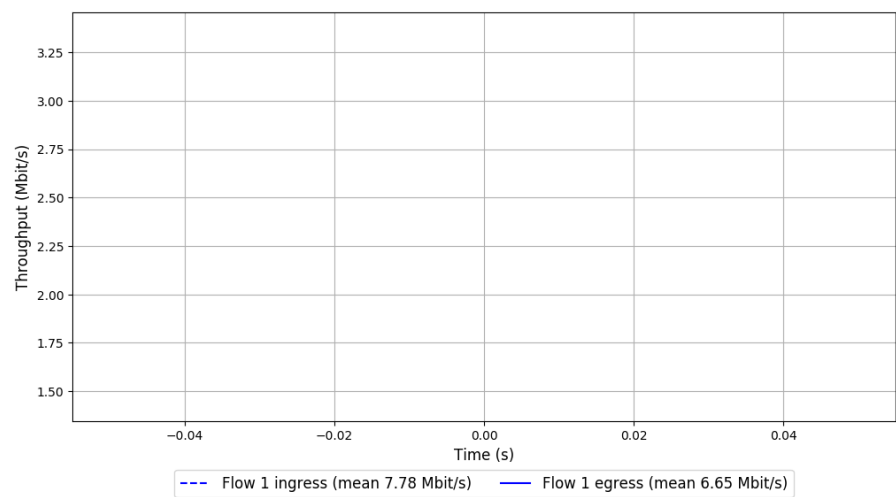


Run 10: Statistics of Saturator

Start at: Sun, 06 Aug 2017 03:35:45 +0000

End at: Sun, 06 Aug 2017 03:36:15 +0000

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 02:11:16 +0000

End at: Sun, 06 Aug 2017 02:11:46 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.041 ms

Loss rate: 0.00%

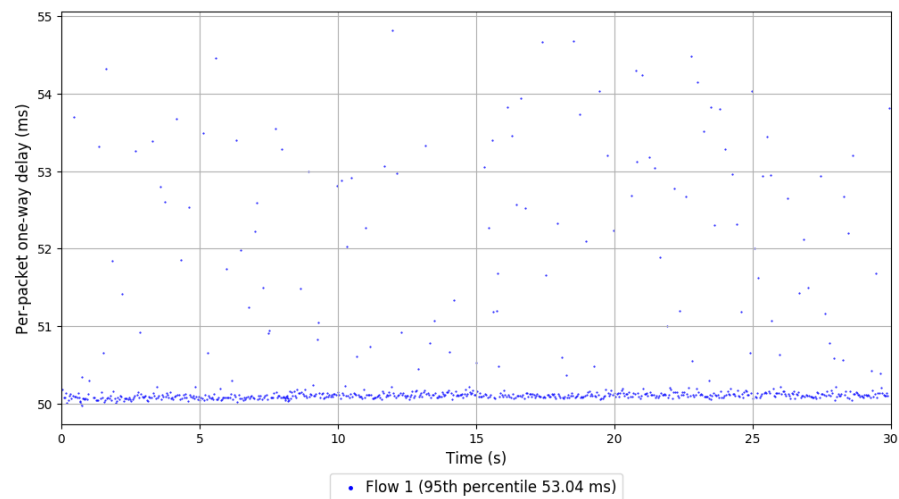
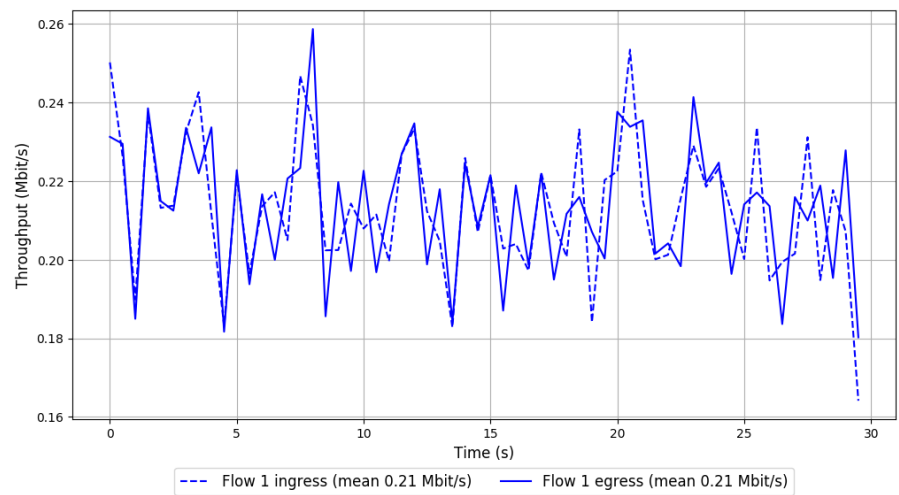
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.041 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 02:21:02 +0000

End at: Sun, 06 Aug 2017 02:21:32 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:51 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.591 ms

Loss rate: 0.00%

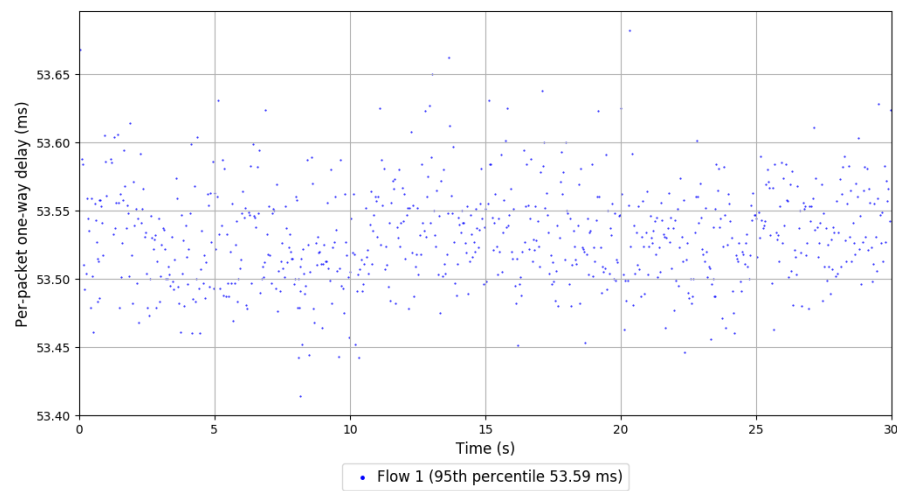
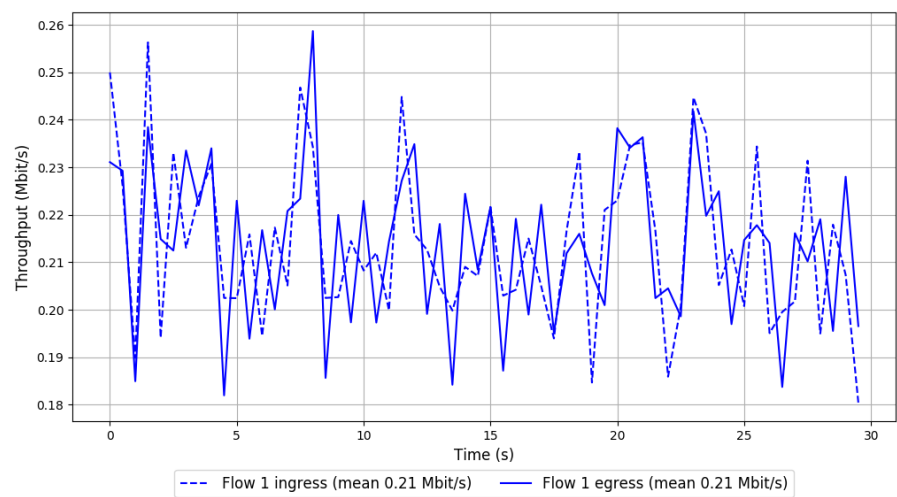
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.591 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 02:30:37 +0000

End at: Sun, 06 Aug 2017 02:31:07 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.173 ms

Loss rate: 0.00%

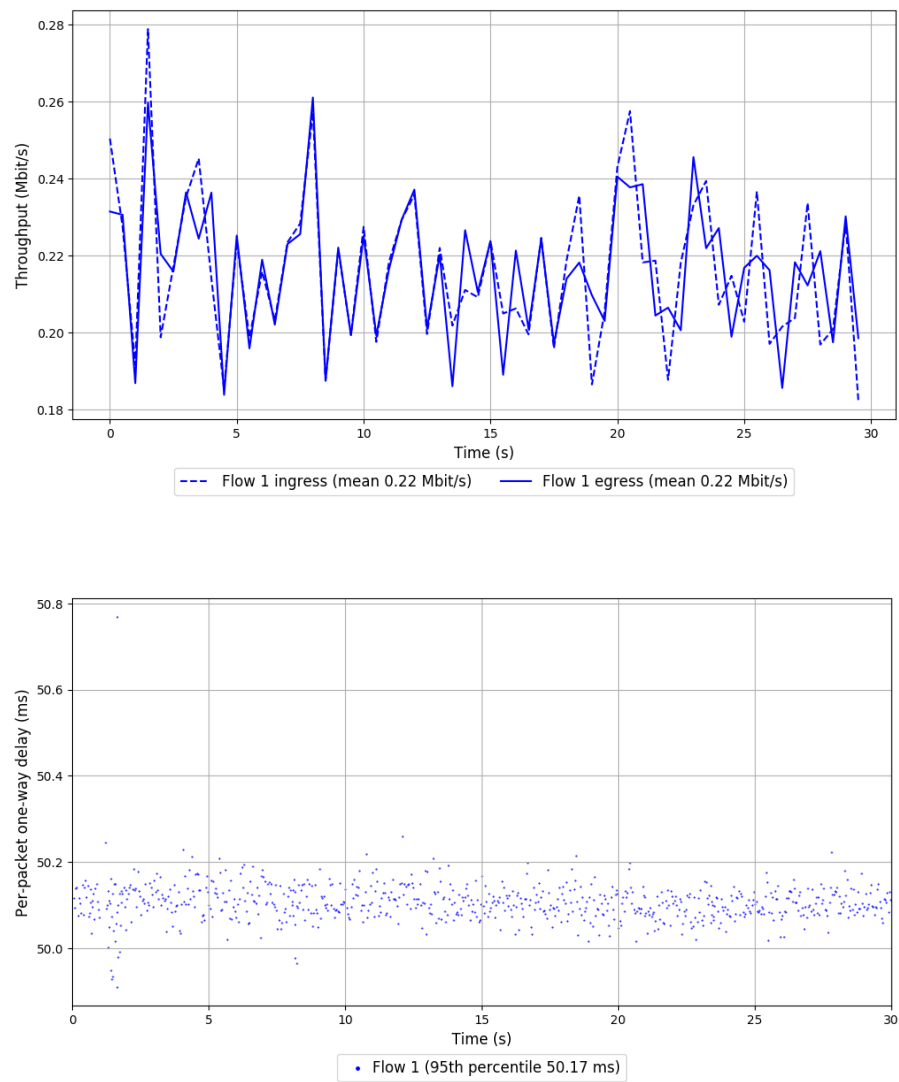
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.173 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 02:40:13 +0000

End at: Sun, 06 Aug 2017 02:40:43 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.531 ms

Loss rate: 0.00%

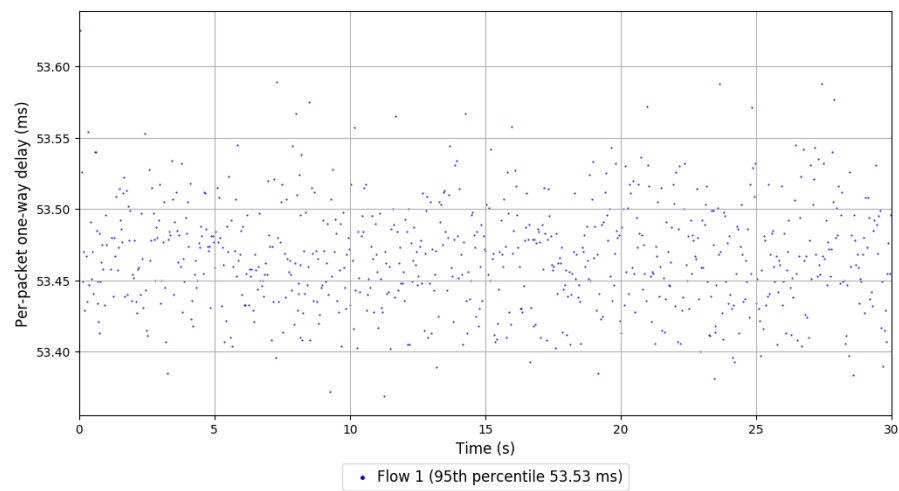
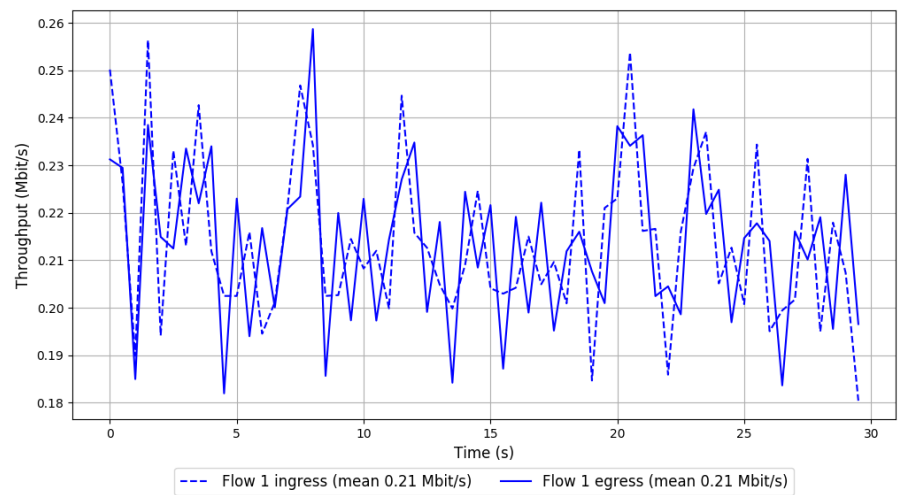
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.531 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 02:49:56 +0000

End at: Sun, 06 Aug 2017 02:50:26 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.276 ms

Loss rate: 0.00%

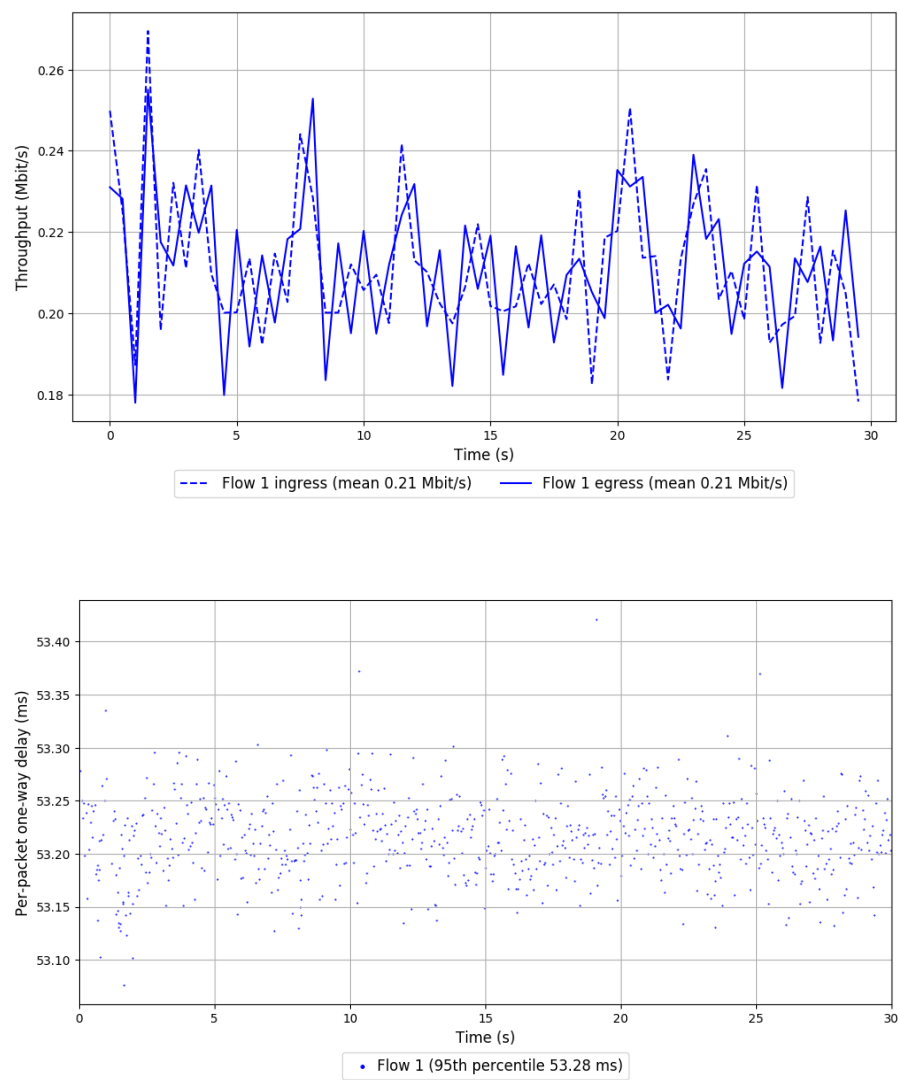
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.276 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 03:00:07 +0000

End at: Sun, 06 Aug 2017 03:00:37 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.155 ms

Loss rate: 0.00%

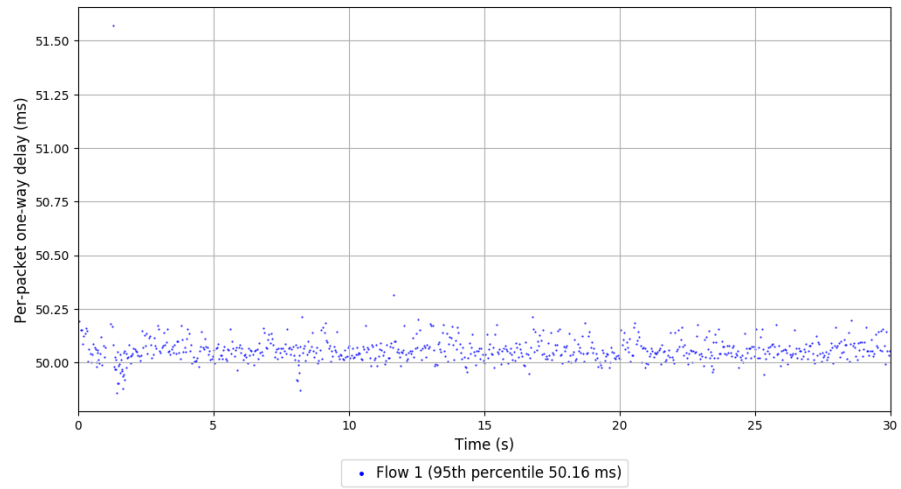
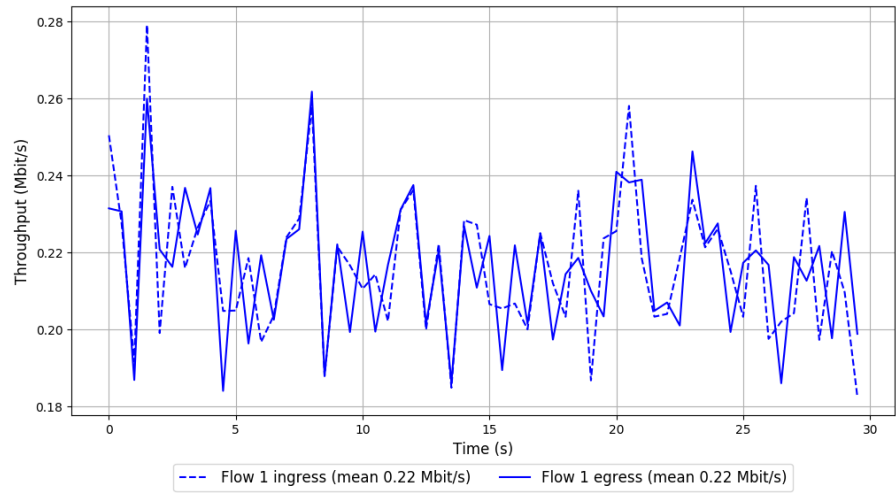
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.155 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 03:09:41 +0000

End at: Sun, 06 Aug 2017 03:10:11 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.945 ms

Loss rate: 0.00%

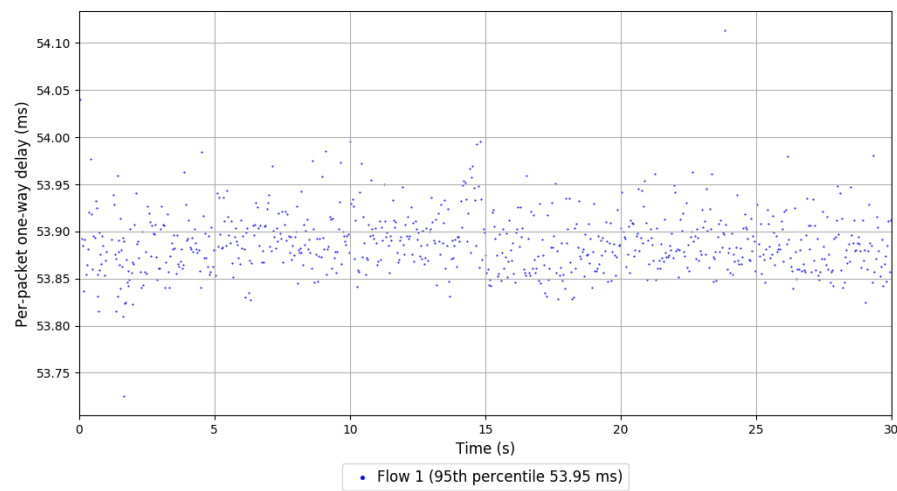
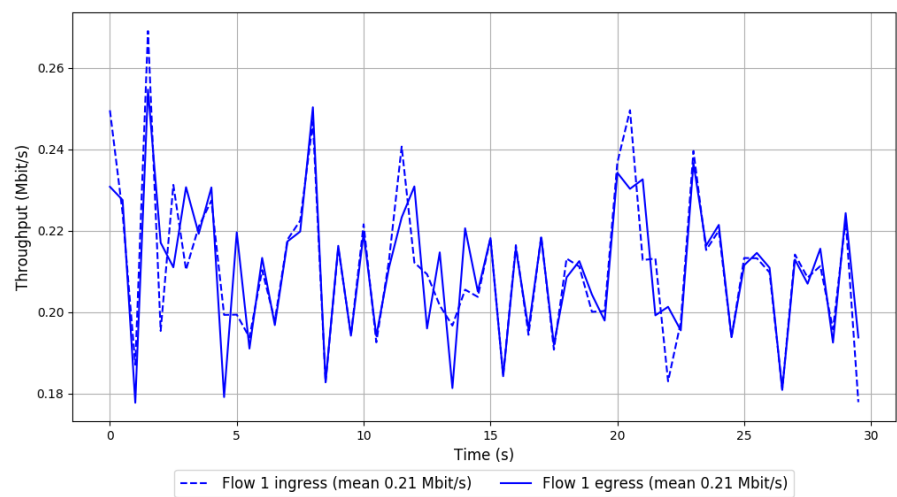
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.945 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 03:19:22 +0000

End at: Sun, 06 Aug 2017 03:19:52 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.946 ms

Loss rate: 0.00%

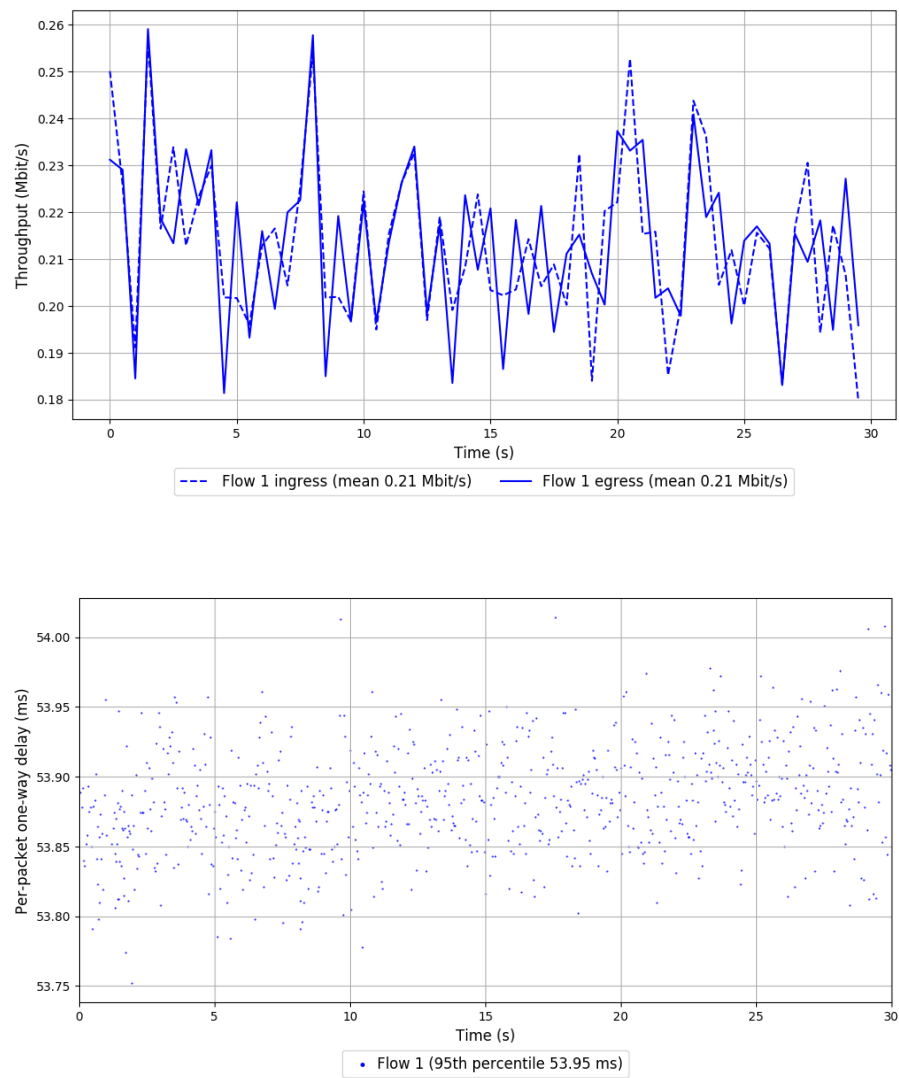
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 53.946 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 03:29:23 +0000

End at: Sun, 06 Aug 2017 03:29:53 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:53 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.168 ms

Loss rate: 0.00%

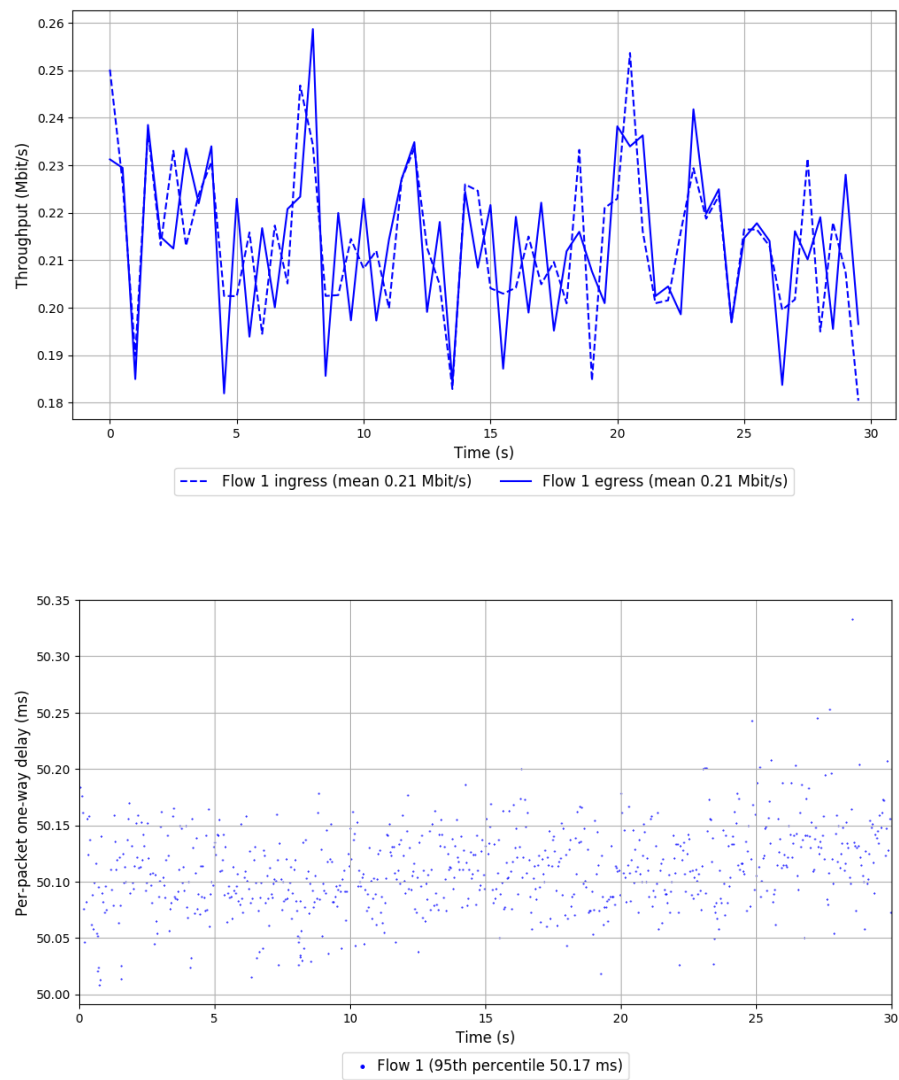
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.168 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: Sun, 06 Aug 2017 03:39:32 +0000

End at: Sun, 06 Aug 2017 03:40:02 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:53 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.477 ms

Loss rate: 0.00%

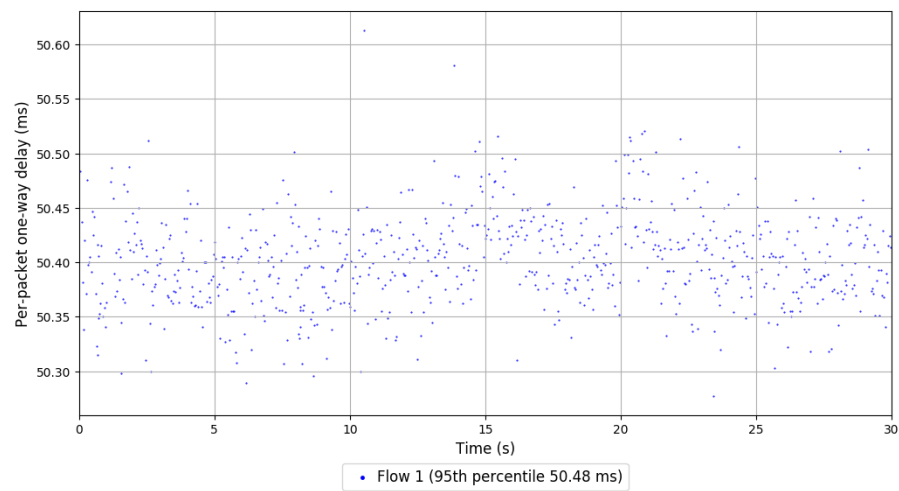
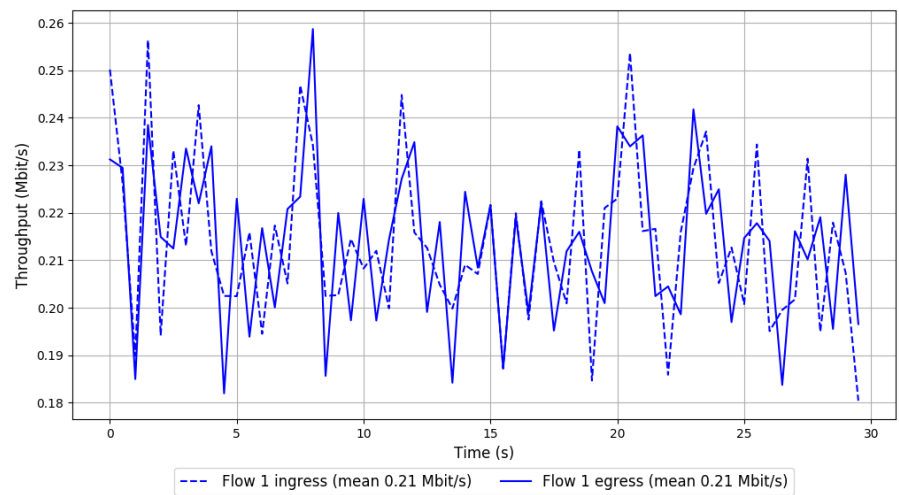
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 50.477 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Sun, 06 Aug 2017 02:10:38 +0000

End at: Sun, 06 Aug 2017 02:11:08 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:55 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.68 Mbit/s

95th percentile per-packet one-way delay: 53.684 ms

Loss rate: 19.67%

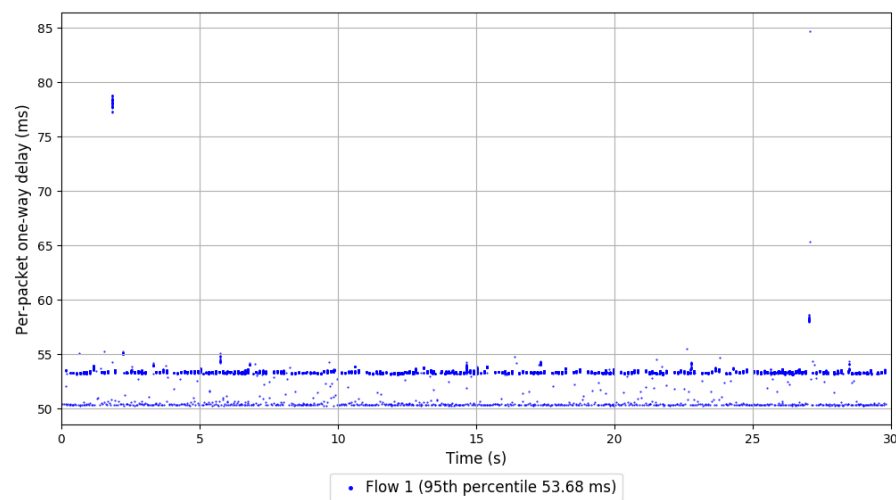
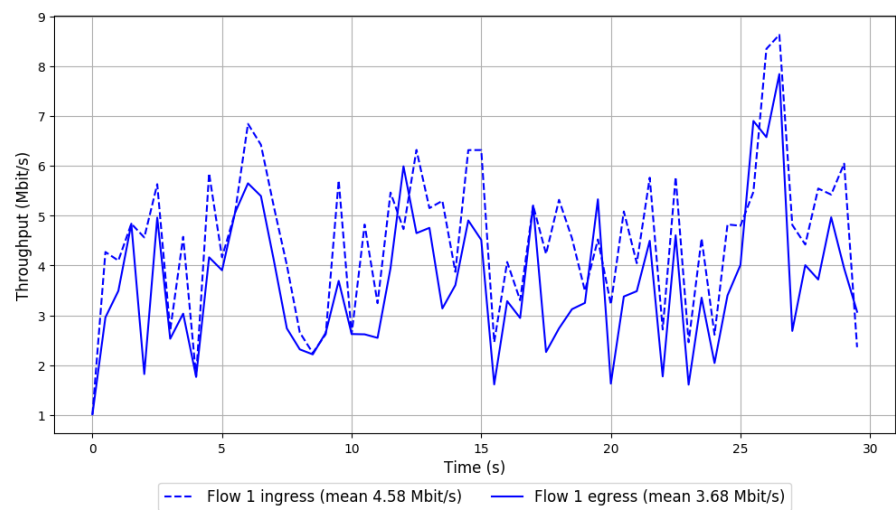
-- Flow 1:

Average throughput: 3.68 Mbit/s

95th percentile per-packet one-way delay: 53.684 ms

Loss rate: 19.67%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

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

End at: Sun, 06 Aug 2017 02:20:55 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:56 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.31 Mbit/s

95th percentile per-packet one-way delay: 54.194 ms

Loss rate: 9.36%

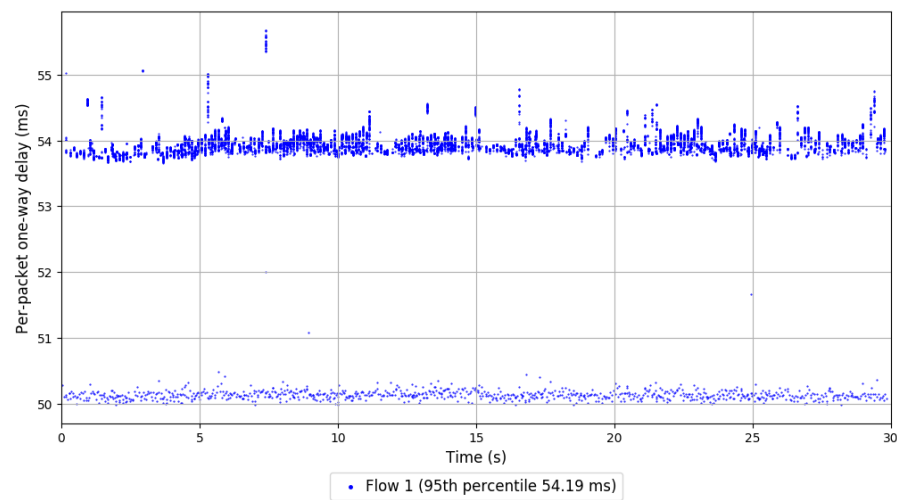
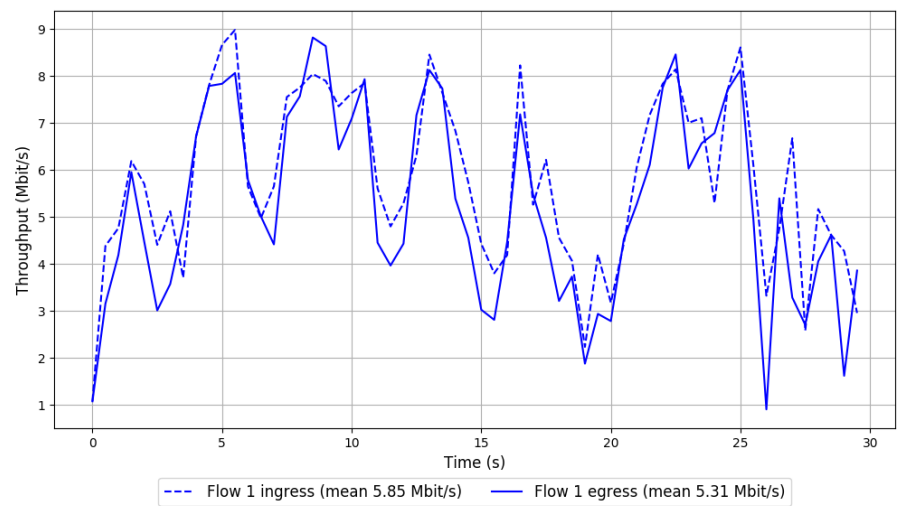
-- Flow 1:

Average throughput: 5.31 Mbit/s

95th percentile per-packet one-way delay: 54.194 ms

Loss rate: 9.36%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sun, 06 Aug 2017 02:30:00 +0000

End at: Sun, 06 Aug 2017 02:30:30 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.39 Mbit/s

95th percentile per-packet one-way delay: 53.424 ms

Loss rate: 20.64%

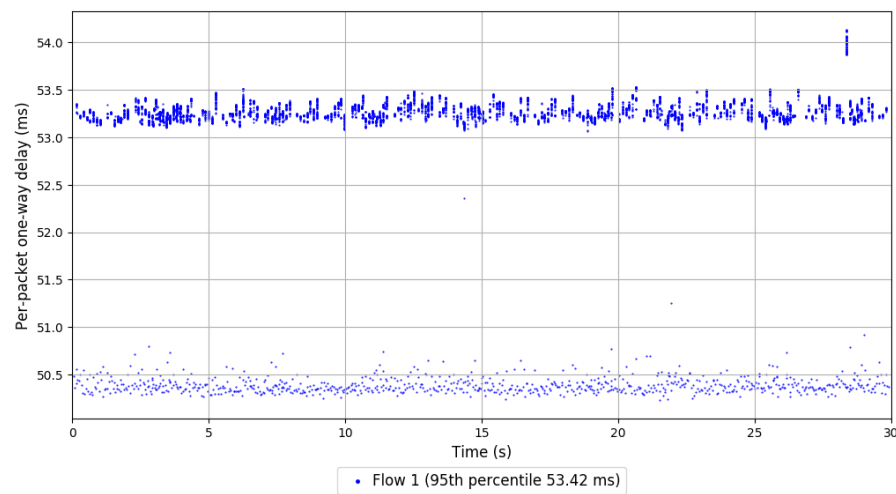
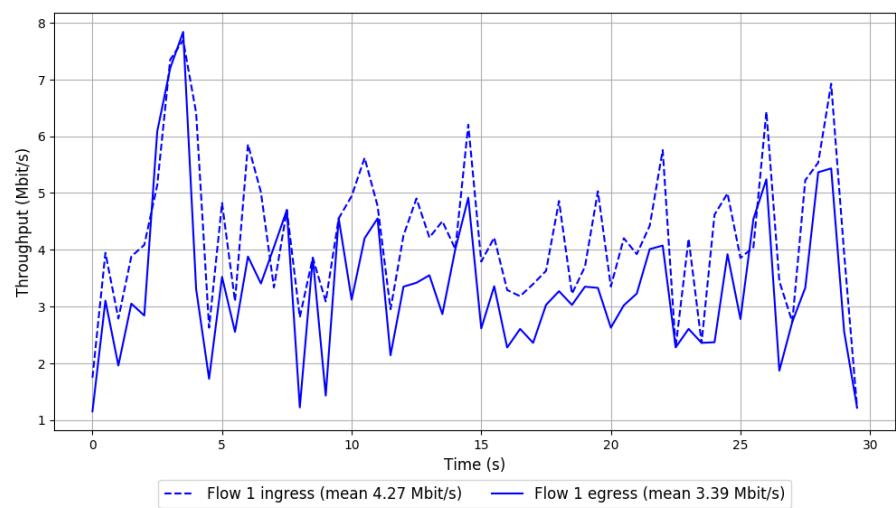
-- Flow 1:

Average throughput: 3.39 Mbit/s

95th percentile per-packet one-way delay: 53.424 ms

Loss rate: 20.64%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Sun, 06 Aug 2017 02:39:36 +0000

End at: Sun, 06 Aug 2017 02:40:06 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:52:58 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.49 Mbit/s

95th percentile per-packet one-way delay: 53.458 ms

Loss rate: 19.67%

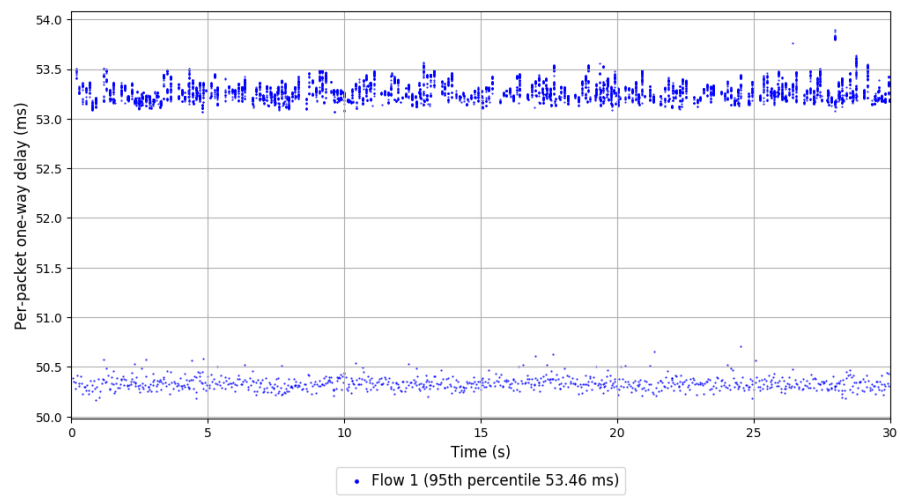
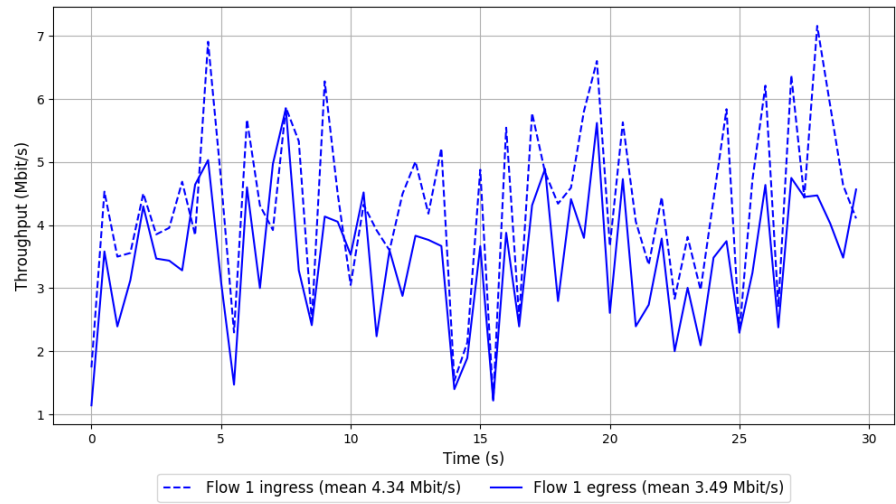
-- Flow 1:

Average throughput: 3.49 Mbit/s

95th percentile per-packet one-way delay: 53.458 ms

Loss rate: 19.67%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Sun, 06 Aug 2017 02:49:19 +0000

End at: Sun, 06 Aug 2017 02:49:49 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:00 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.07 Mbit/s

95th percentile per-packet one-way delay: 53.418 ms

Loss rate: 12.76%

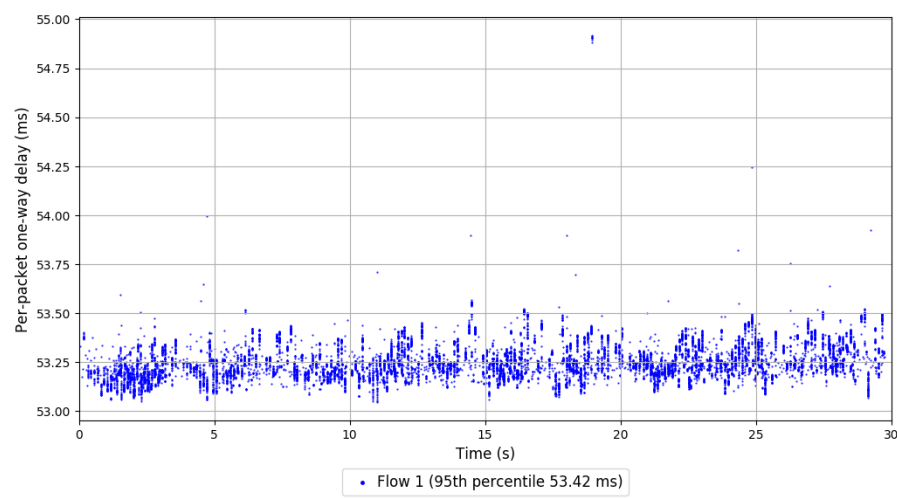
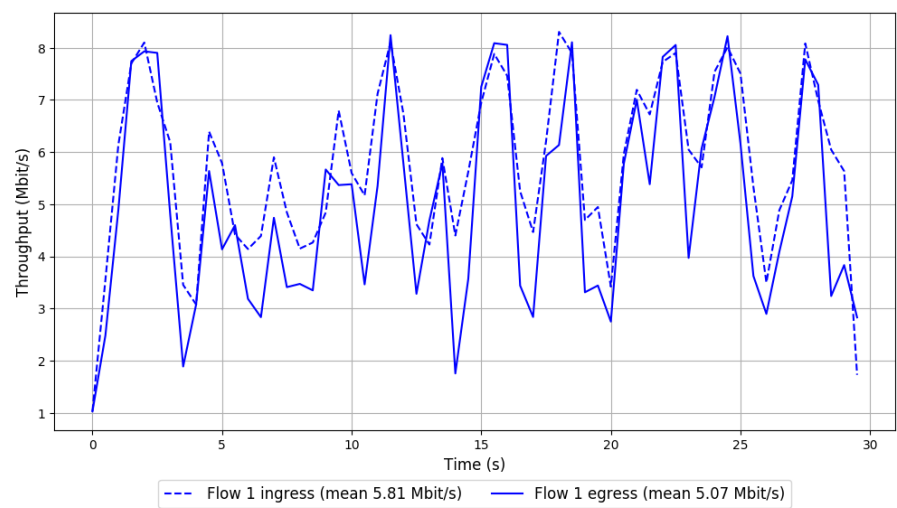
-- Flow 1:

Average throughput: 5.07 Mbit/s

95th percentile per-packet one-way delay: 53.418 ms

Loss rate: 12.76%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Sun, 06 Aug 2017 02:59:29 +0000

End at: Sun, 06 Aug 2017 02:59:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.54 Mbit/s

95th percentile per-packet one-way delay: 54.038 ms

Loss rate: 9.23%

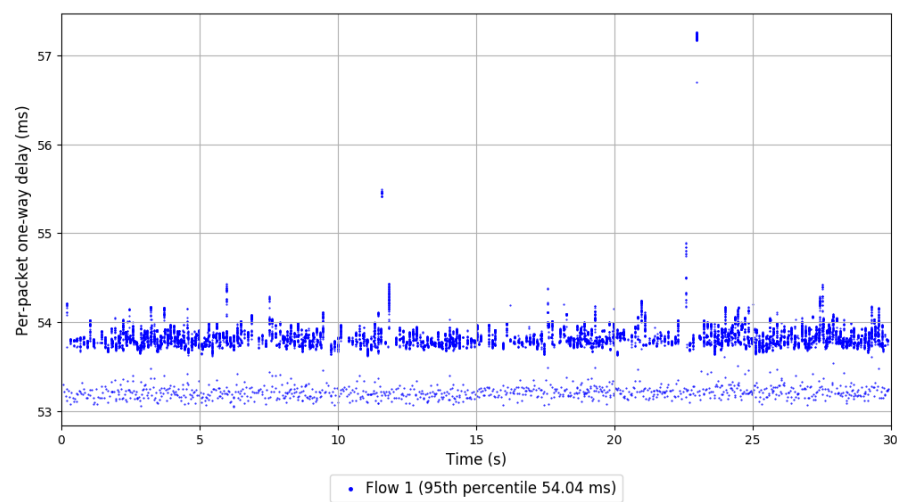
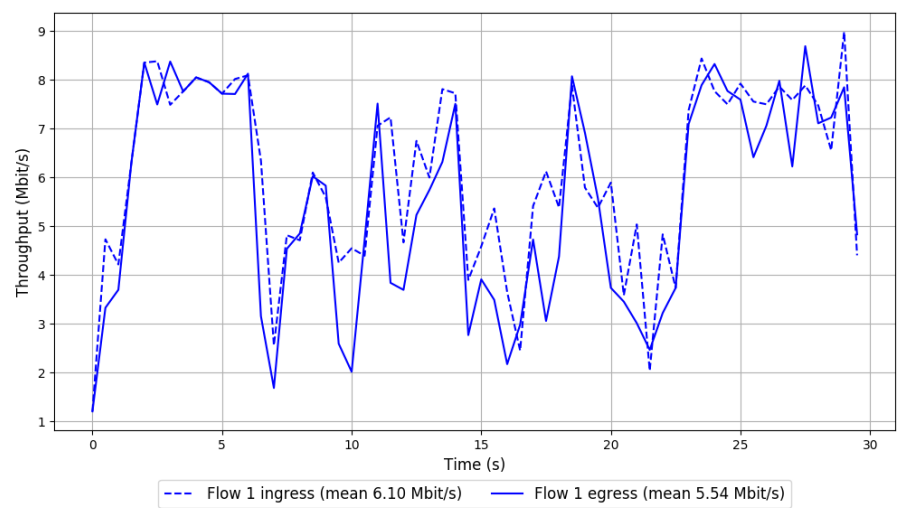
-- Flow 1:

Average throughput: 5.54 Mbit/s

95th percentile per-packet one-way delay: 54.038 ms

Loss rate: 9.23%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Sun, 06 Aug 2017 03:09:03 +0000

End at: Sun, 06 Aug 2017 03:09:33 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.54 Mbit/s

95th percentile per-packet one-way delay: 53.819 ms

Loss rate: 0.44%

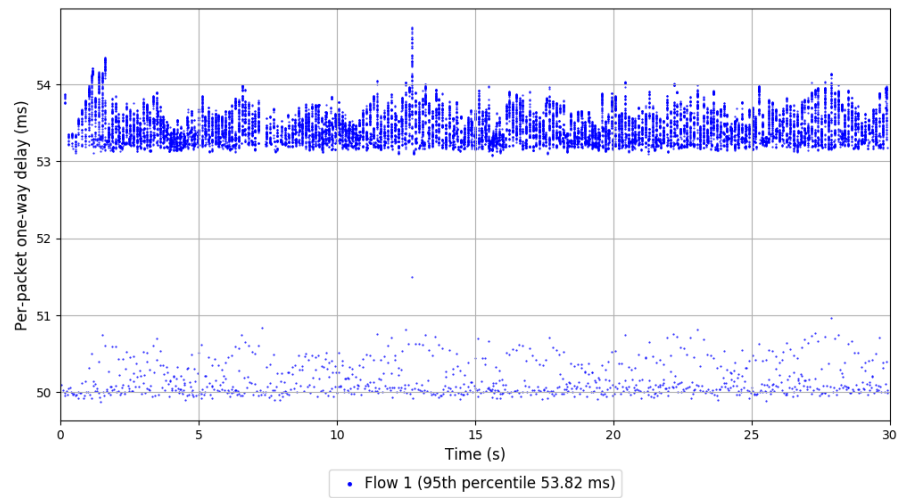
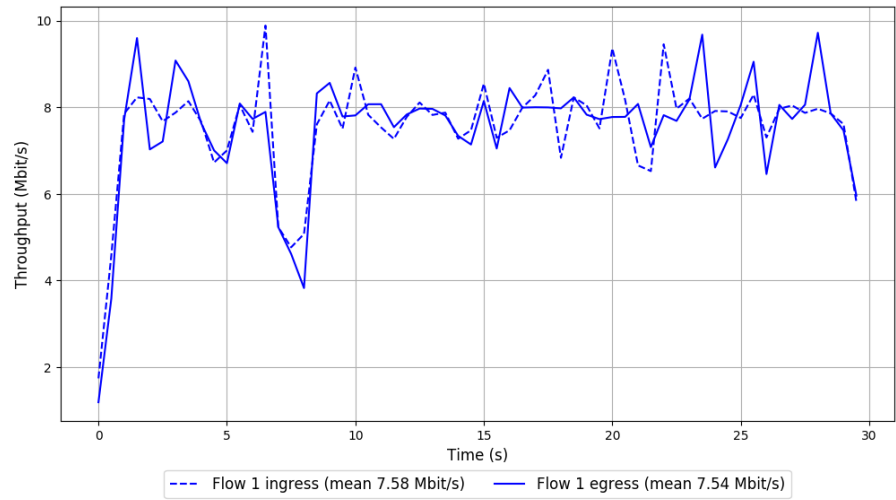
-- Flow 1:

Average throughput: 7.54 Mbit/s

95th percentile per-packet one-way delay: 53.819 ms

Loss rate: 0.44%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Sun, 06 Aug 2017 03:18:45 +0000

End at: Sun, 06 Aug 2017 03:19:15 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.67 Mbit/s

95th percentile per-packet one-way delay: 53.436 ms

Loss rate: 11.73%

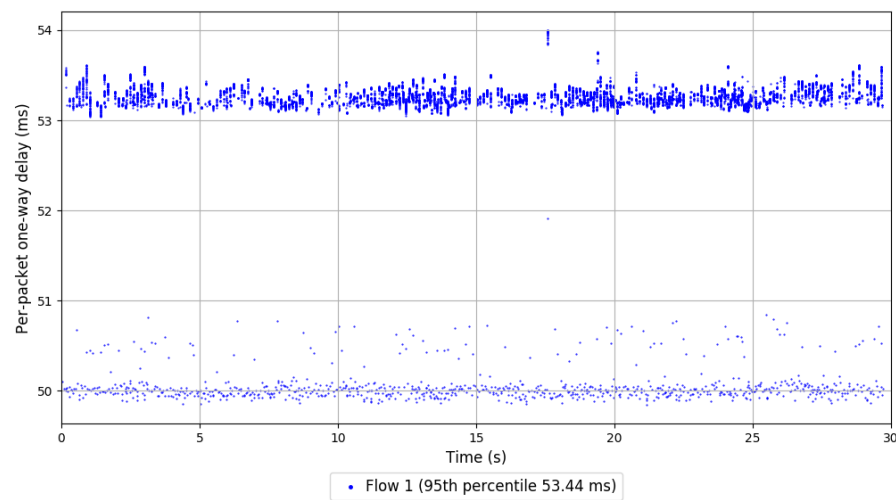
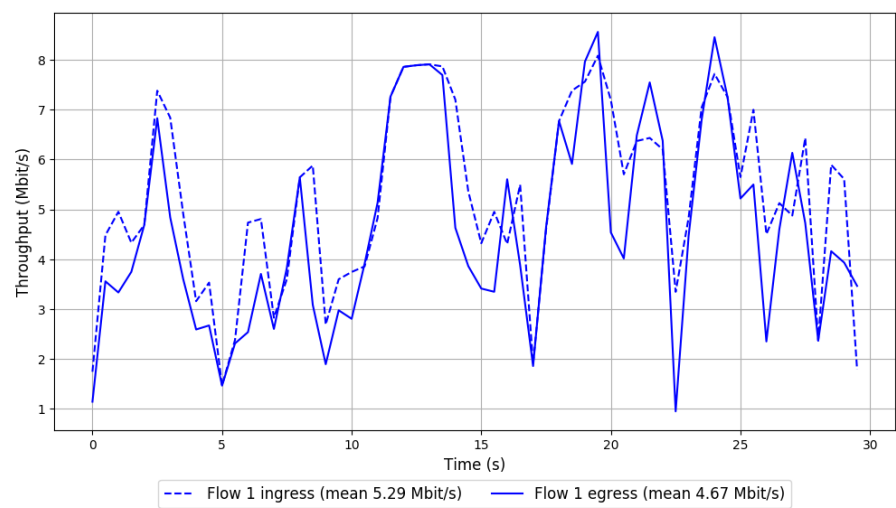
-- Flow 1:

Average throughput: 4.67 Mbit/s

95th percentile per-packet one-way delay: 53.436 ms

Loss rate: 11.73%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Sun, 06 Aug 2017 03:28:45 +0000

End at: Sun, 06 Aug 2017 03:29:15 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.58 Mbit/s

95th percentile per-packet one-way delay: 53.797 ms

Loss rate: 0.05%

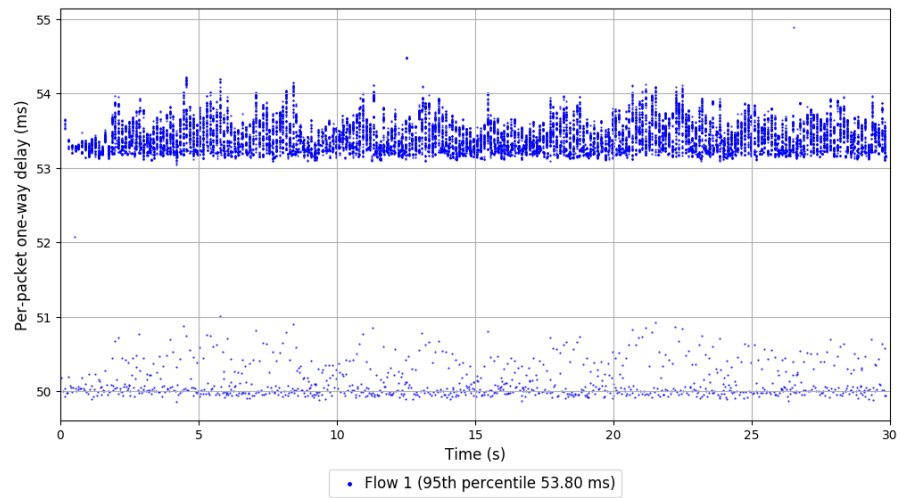
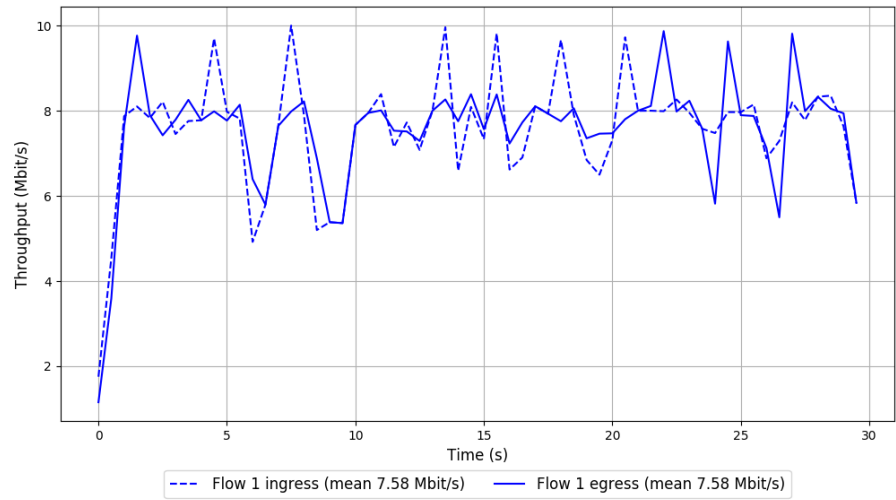
-- Flow 1:

Average throughput: 7.58 Mbit/s

95th percentile per-packet one-way delay: 53.797 ms

Loss rate: 0.05%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Sun, 06 Aug 2017 03:38:55 +0000

End at: Sun, 06 Aug 2017 03:39:25 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 53.432 ms

Loss rate: 16.33%

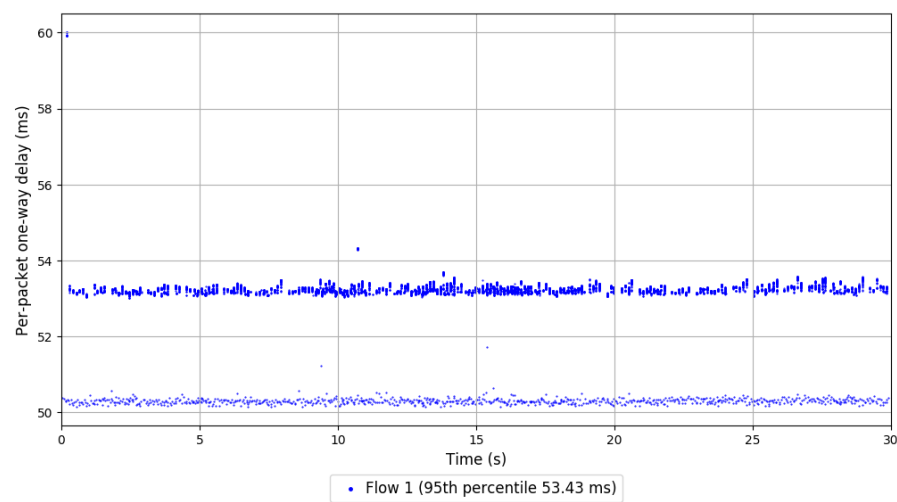
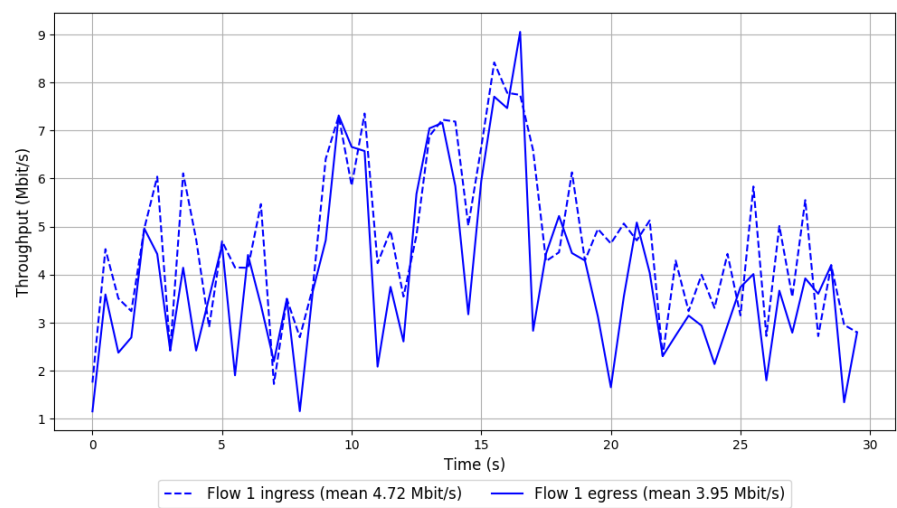
-- Flow 1:

Average throughput: 3.95 Mbit/s

95th percentile per-packet one-way delay: 53.432 ms

Loss rate: 16.33%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 02:13:44 +0000

End at: Sun, 06 Aug 2017 02:14:14 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.13 Mbit/s

95th percentile per-packet one-way delay: 53.798 ms

Loss rate: 0.00%

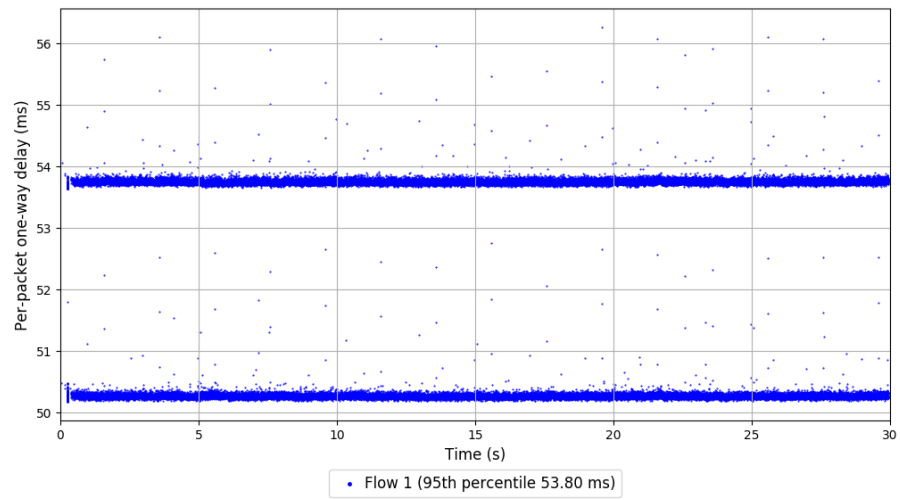
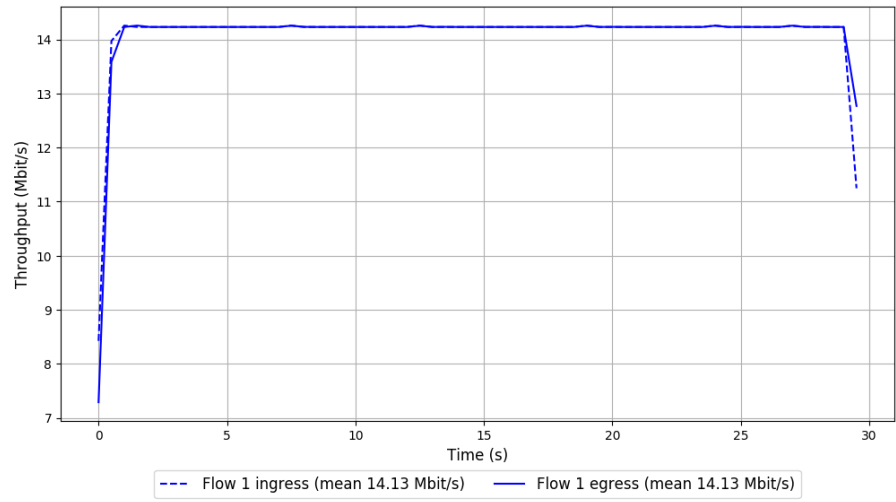
-- Flow 1:

Average throughput: 14.13 Mbit/s

95th percentile per-packet one-way delay: 53.798 ms

Loss rate: 0.00%

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



Run 2: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 02:23:36 +0000

End at: Sun, 06 Aug 2017 02:24:06 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.12 Mbit/s

95th percentile per-packet one-way delay: 53.247 ms

Loss rate: 0.00%

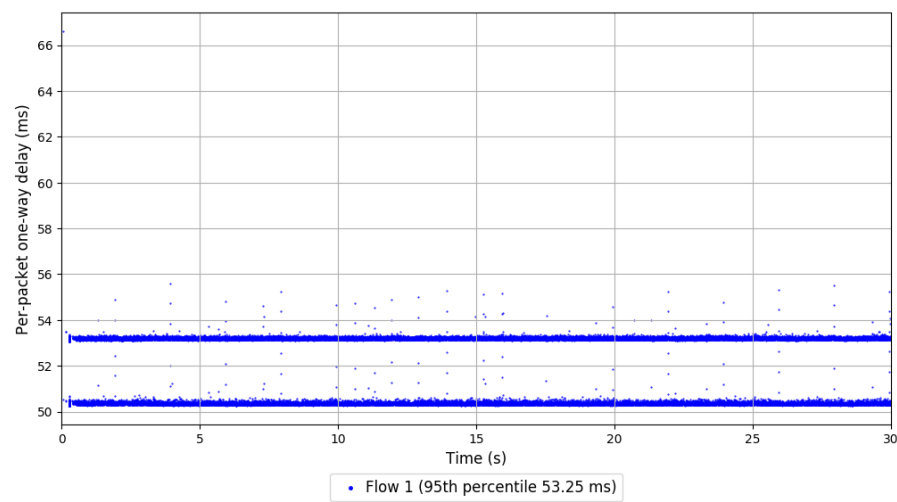
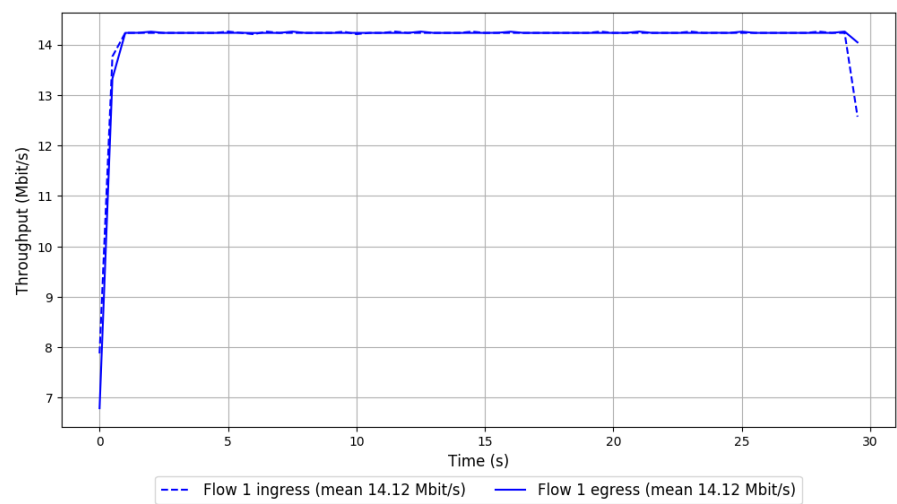
-- Flow 1:

Average throughput: 14.12 Mbit/s

95th percentile per-packet one-way delay: 53.247 ms

Loss rate: 0.00%

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



Run 3: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 02:33:06 +0000

End at: Sun, 06 Aug 2017 02:33:36 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:59 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.06 Mbit/s

95th percentile per-packet one-way delay: 53.383 ms

Loss rate: 3.21%

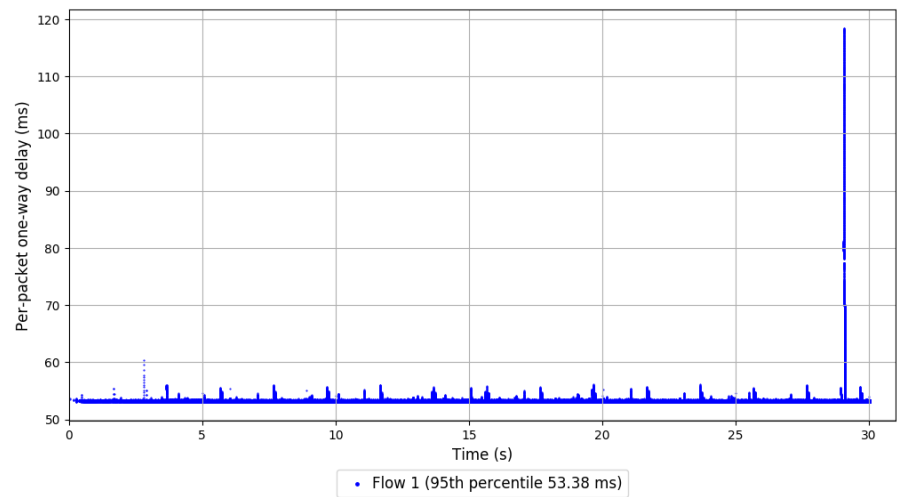
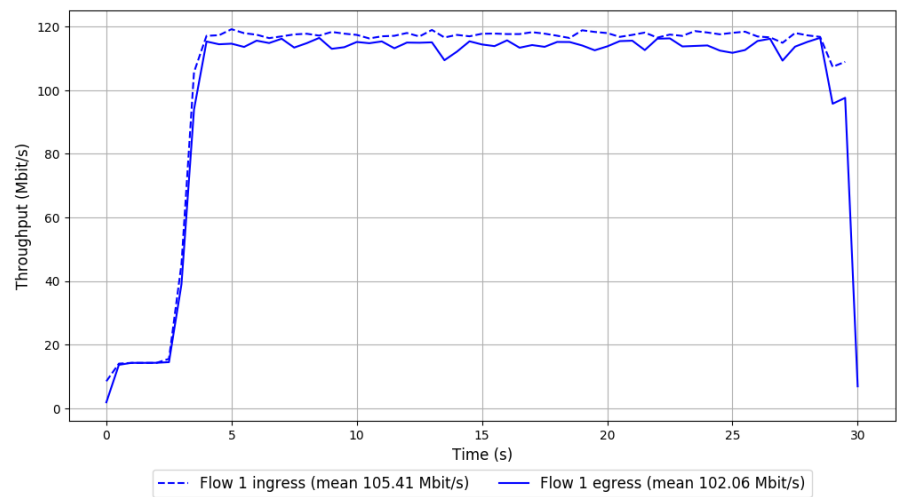
-- Flow 1:

Average throughput: 102.06 Mbit/s

95th percentile per-packet one-way delay: 53.383 ms

Loss rate: 3.21%

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

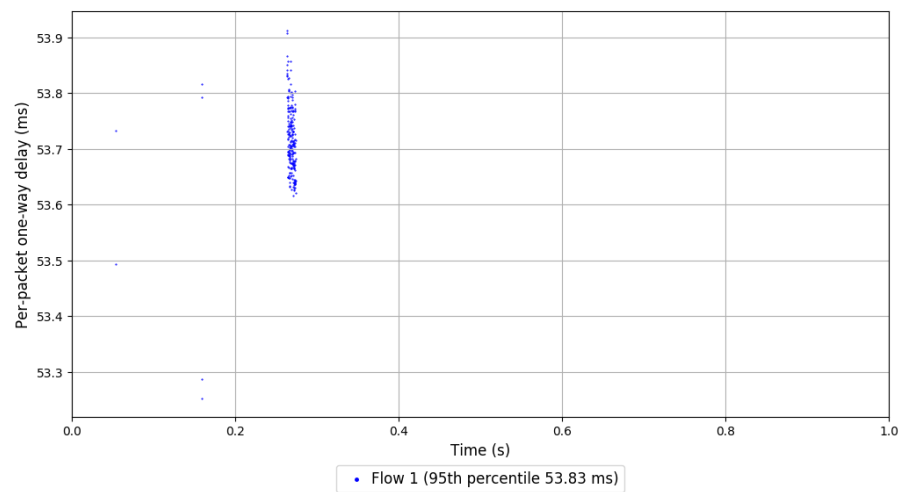
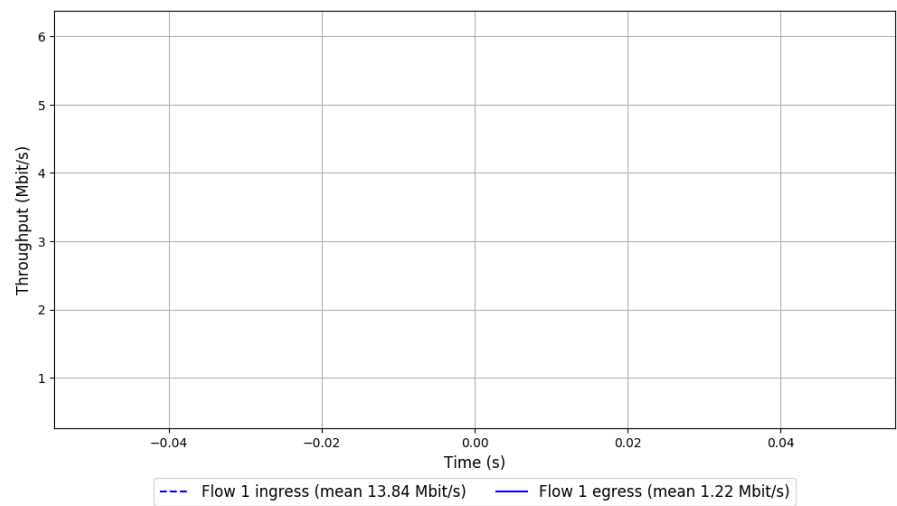


Run 4: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 02:42:43 +0000

End at: Sun, 06 Aug 2017 02:43:13 +0000

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



Run 5: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 02:52:46 +0000

End at: Sun, 06 Aug 2017 02:53:16 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:53:59 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 61.02 Mbit/s

95th percentile per-packet one-way delay: 53.327 ms

Loss rate: 2.86%

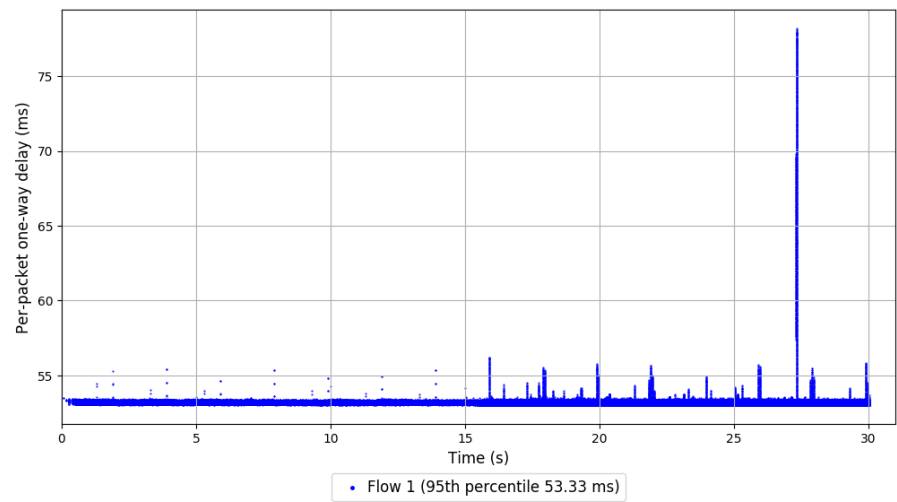
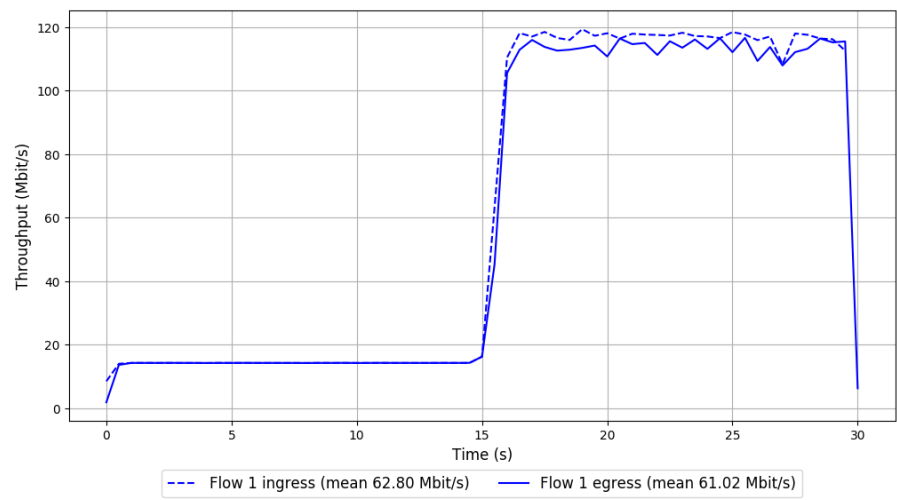
-- Flow 1:

Average throughput: 61.02 Mbit/s

95th percentile per-packet one-way delay: 53.327 ms

Loss rate: 2.86%

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



Run 6: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 03:02:36 +0000

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

Below is generated by plot.py at Sun, 06 Aug 2017 04:54:07 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 89.88 Mbit/s

95th percentile per-packet one-way delay: 53.711 ms

Loss rate: 0.00%

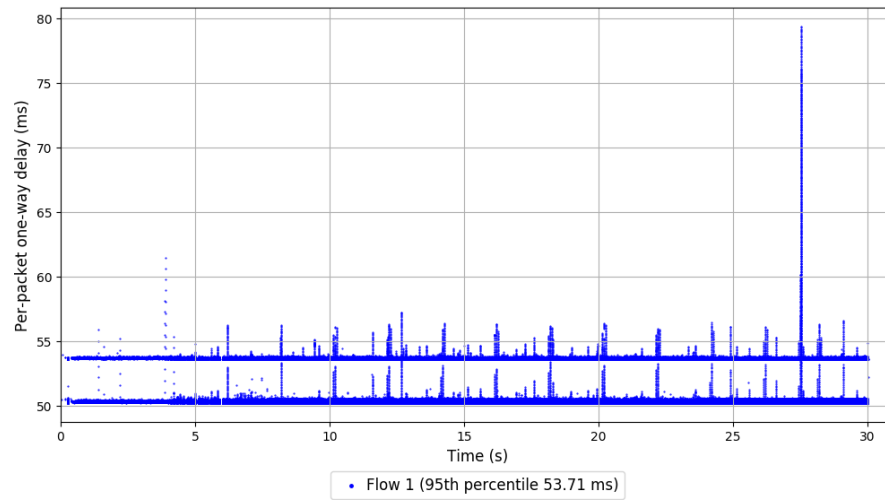
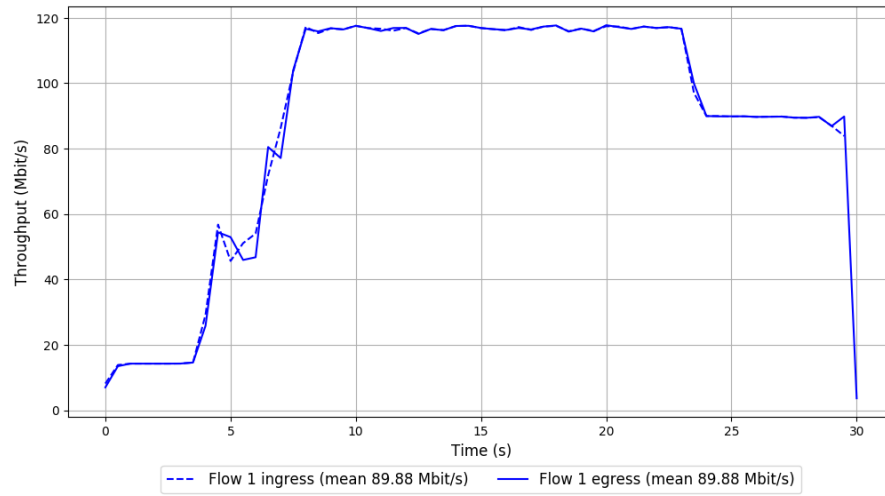
-- Flow 1:

Average throughput: 89.88 Mbit/s

95th percentile per-packet one-way delay: 53.711 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 03:12:10 +0000

End at: Sun, 06 Aug 2017 03:12:40 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:54:24 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 68.67 Mbit/s

95th percentile per-packet one-way delay: 53.152 ms

Loss rate: 0.00%

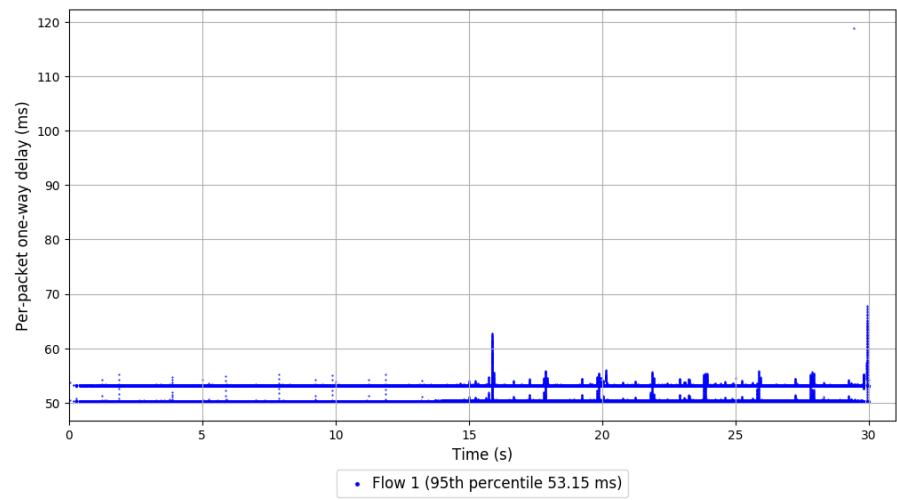
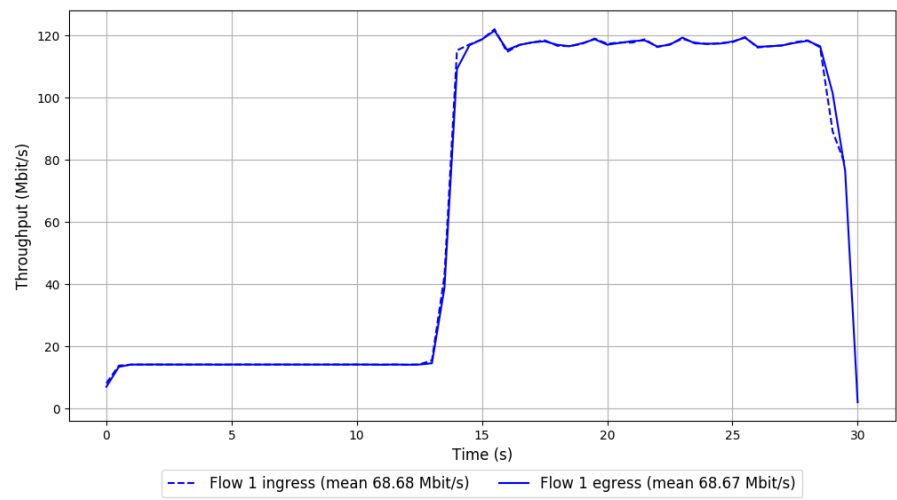
-- Flow 1:

Average throughput: 68.67 Mbit/s

95th percentile per-packet one-way delay: 53.152 ms

Loss rate: 0.00%

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

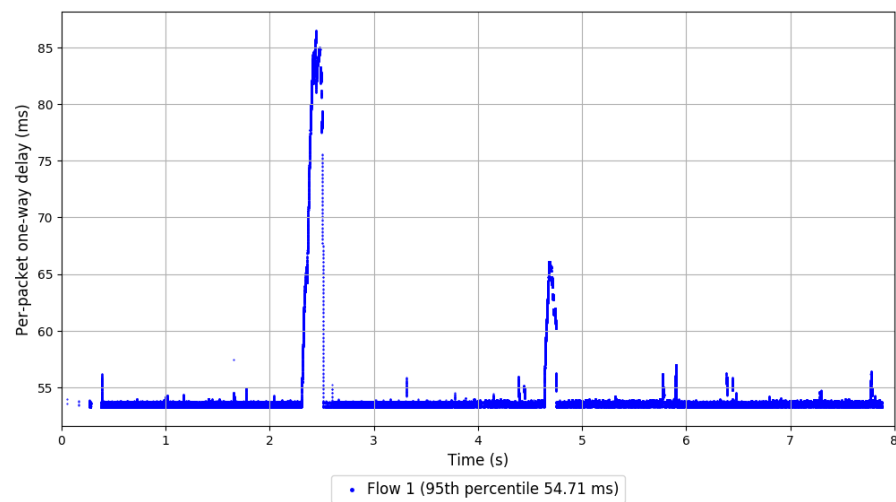
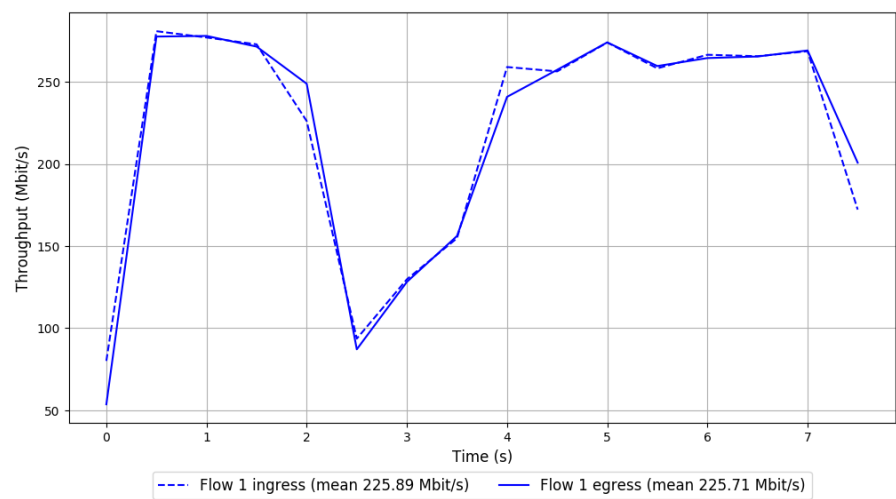


Run 8: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 03:22:12 +0000

End at: Sun, 06 Aug 2017 03:22:42 +0000

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



Run 9: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 03:32:13 +0000

End at: Sun, 06 Aug 2017 03:32:43 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:54:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.13 Mbit/s

95th percentile per-packet one-way delay: 53.425 ms

Loss rate: 22.53%

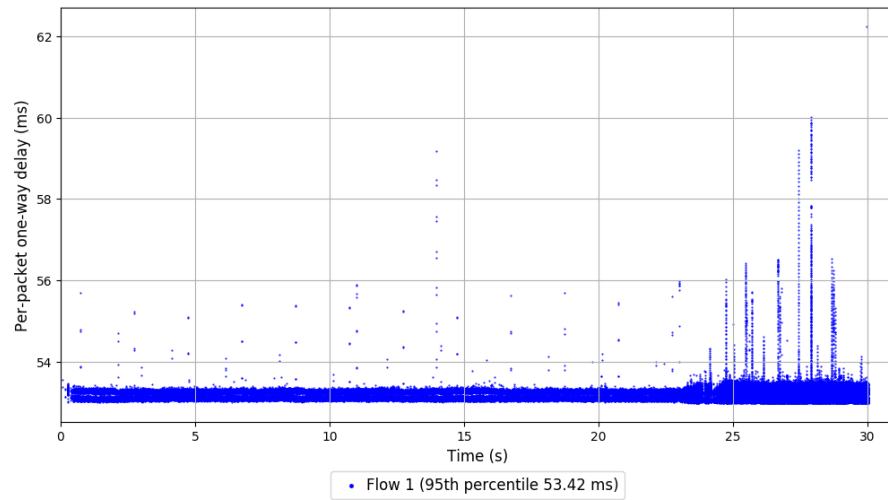
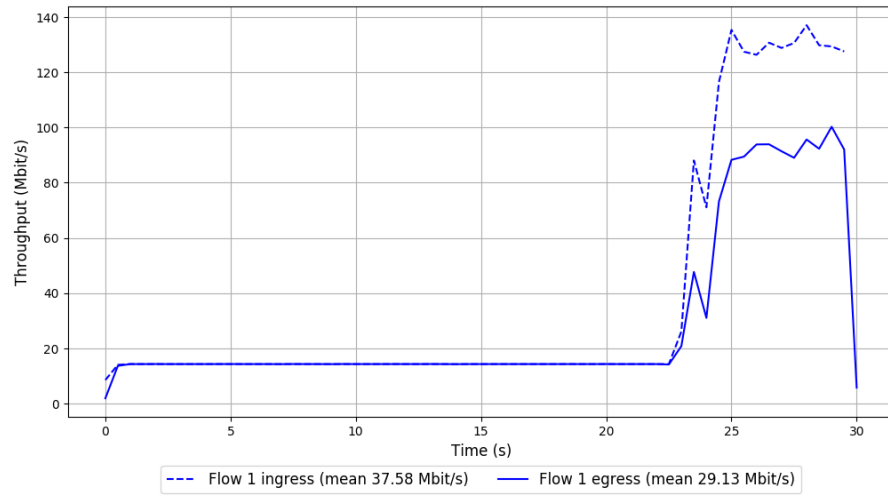
-- Flow 1:

Average throughput: 29.13 Mbit/s

95th percentile per-packet one-way delay: 53.425 ms

Loss rate: 22.53%

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



Run 10: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 03:42:02 +0000

End at: Sun, 06 Aug 2017 03:42:32 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:54:39 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 18.90 Mbit/s

95th percentile per-packet one-way delay: 53.104 ms

Loss rate: 1.82%

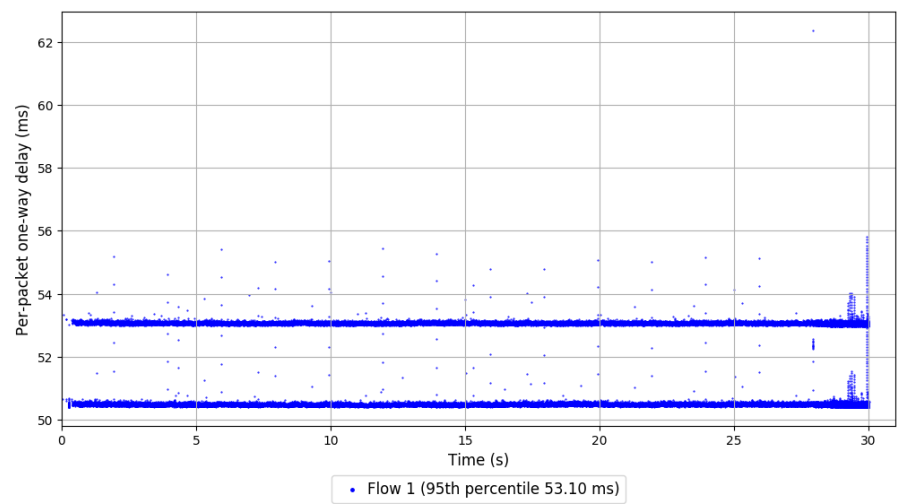
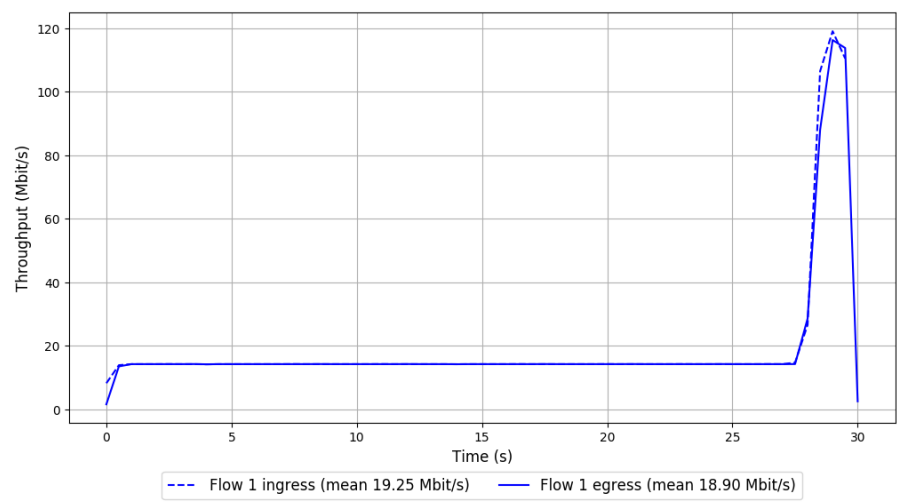
-- Flow 1:

Average throughput: 18.90 Mbit/s

95th percentile per-packet one-way delay: 53.104 ms

Loss rate: 1.82%

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



Run 1: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 02:12:30 +0000

End at: Sun, 06 Aug 2017 02:13:00 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:54:39 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 54.046 ms

Loss rate: 0.51%

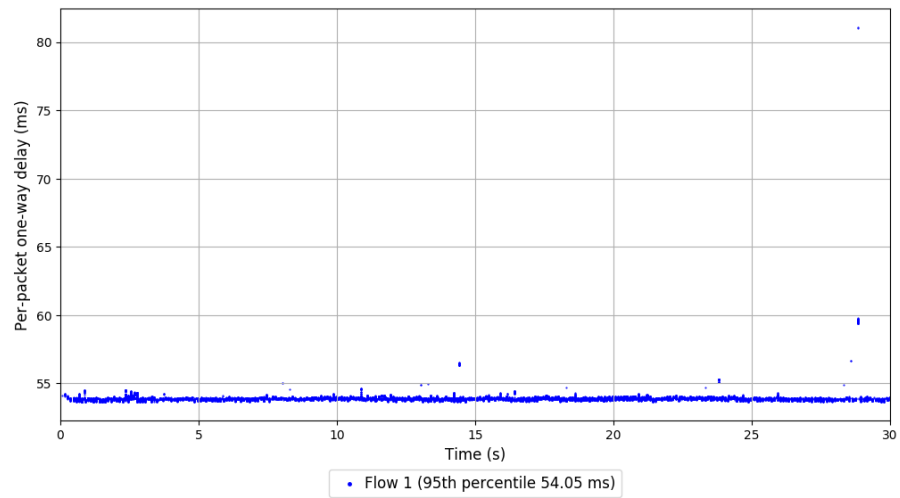
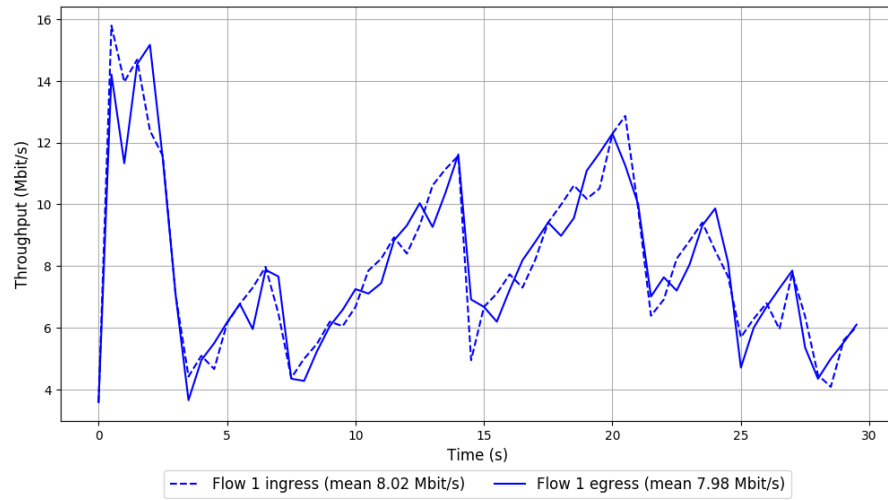
-- Flow 1:

Average throughput: 7.98 Mbit/s

95th percentile per-packet one-way delay: 54.046 ms

Loss rate: 0.51%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 02:22:16 +0000

End at: Sun, 06 Aug 2017 02:22:46 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:55:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 104.62 Mbit/s

95th percentile per-packet one-way delay: 54.096 ms

Loss rate: 0.01%

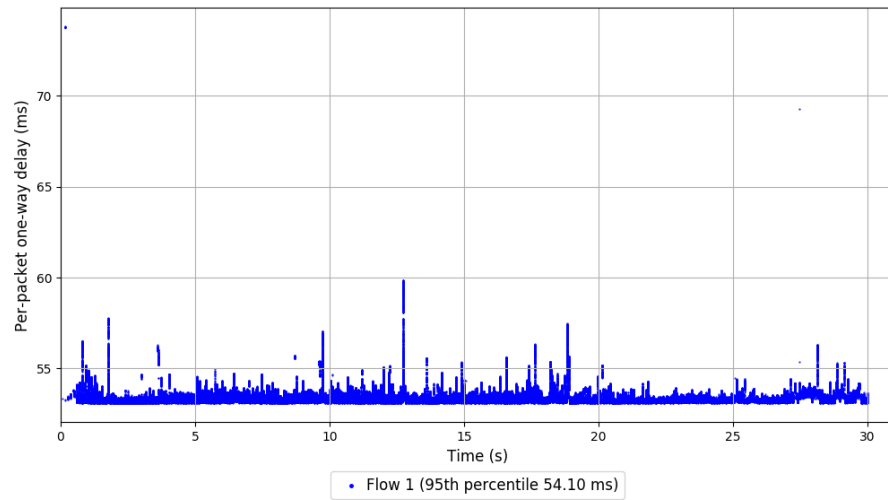
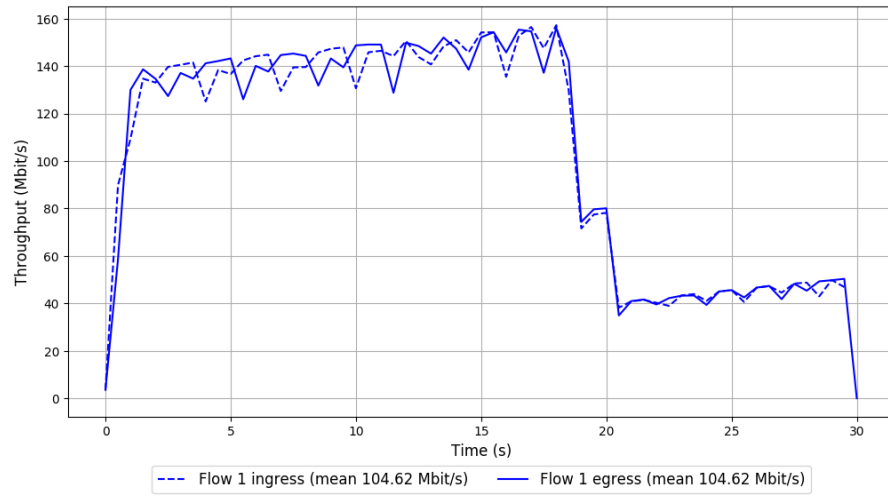
-- Flow 1:

Average throughput: 104.62 Mbit/s

95th percentile per-packet one-way delay: 54.096 ms

Loss rate: 0.01%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 02:31:51 +0000

End at: Sun, 06 Aug 2017 02:32:21 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:55:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.04 Mbit/s

95th percentile per-packet one-way delay: 53.505 ms

Loss rate: 1.01%

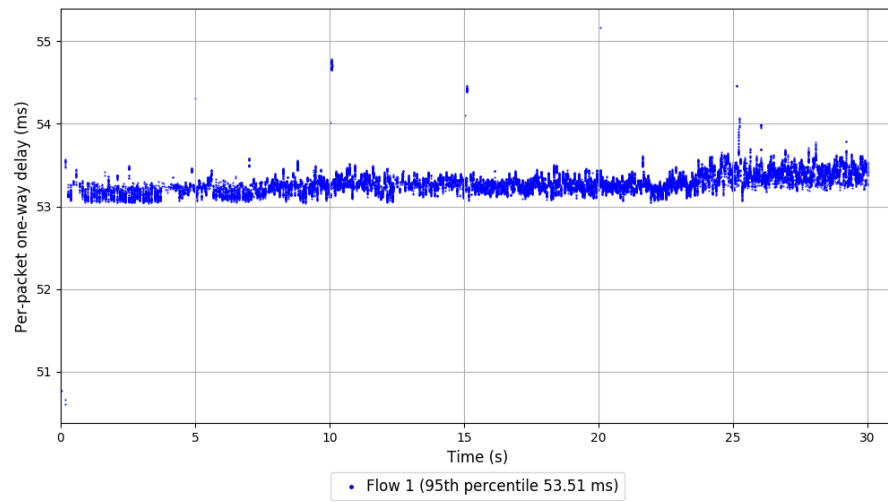
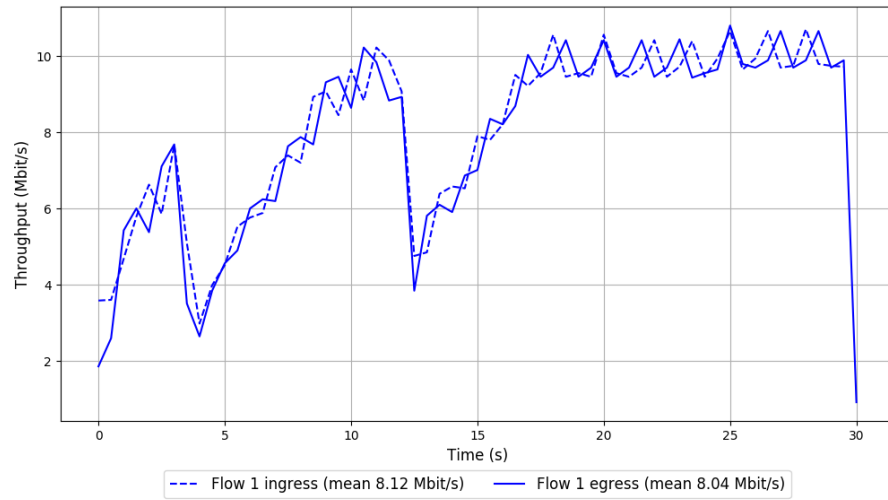
-- Flow 1:

Average throughput: 8.04 Mbit/s

95th percentile per-packet one-way delay: 53.505 ms

Loss rate: 1.01%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 02:41:28 +0000

End at: Sun, 06 Aug 2017 02:41:58 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:55:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 53.624 ms

Loss rate: 0.39%

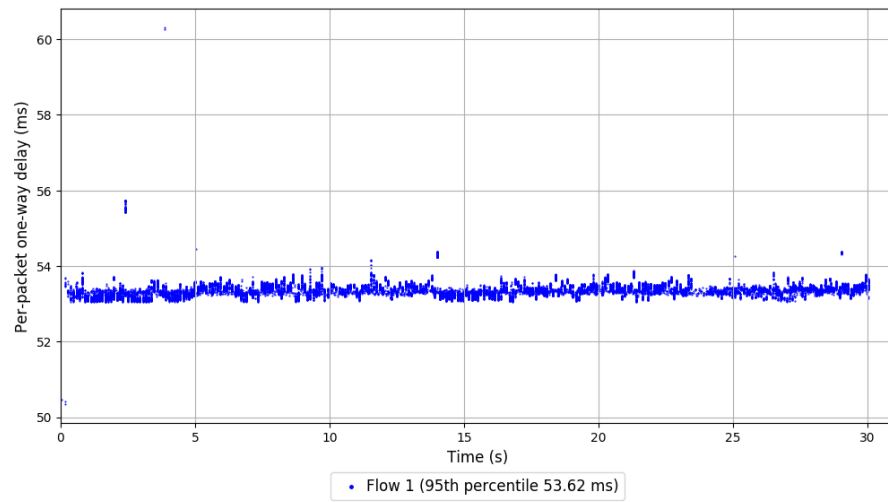
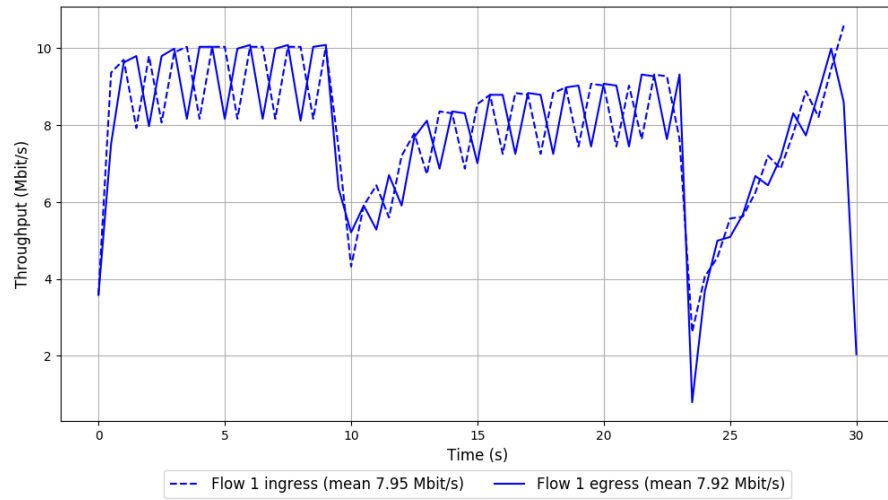
-- Flow 1:

Average throughput: 7.92 Mbit/s

95th percentile per-packet one-way delay: 53.624 ms

Loss rate: 0.39%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 02:51:11 +0000

End at: Sun, 06 Aug 2017 02:51:41 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:55:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 53.400 ms

Loss rate: 2.52%

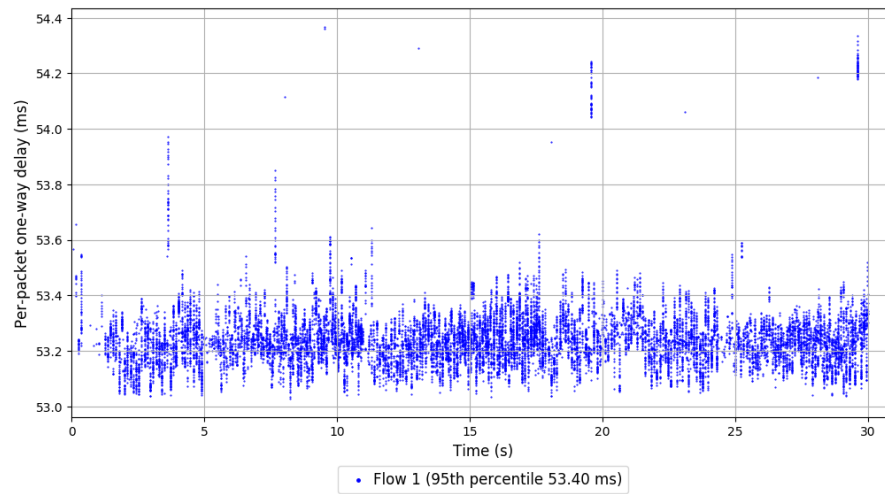
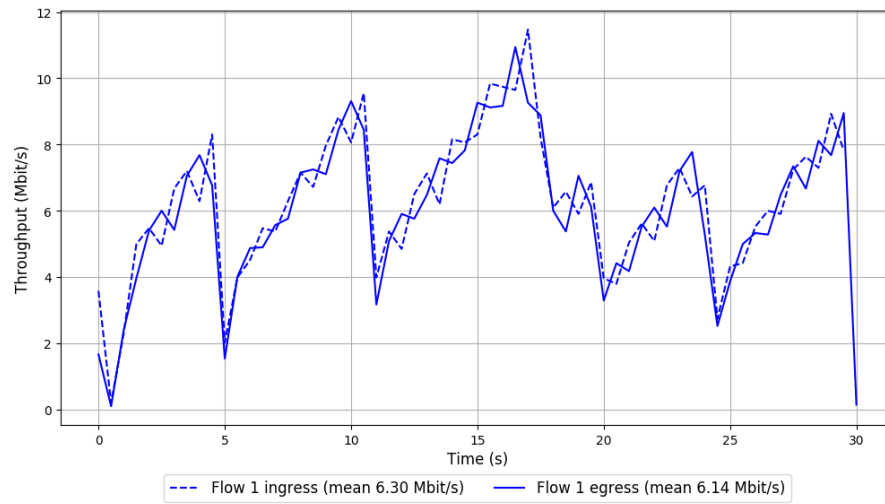
-- Flow 1:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 53.400 ms

Loss rate: 2.52%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 03:01:21 +0000

End at: Sun, 06 Aug 2017 03:01:51 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:55:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.87 Mbit/s

95th percentile per-packet one-way delay: 53.386 ms

Loss rate: 3.15%

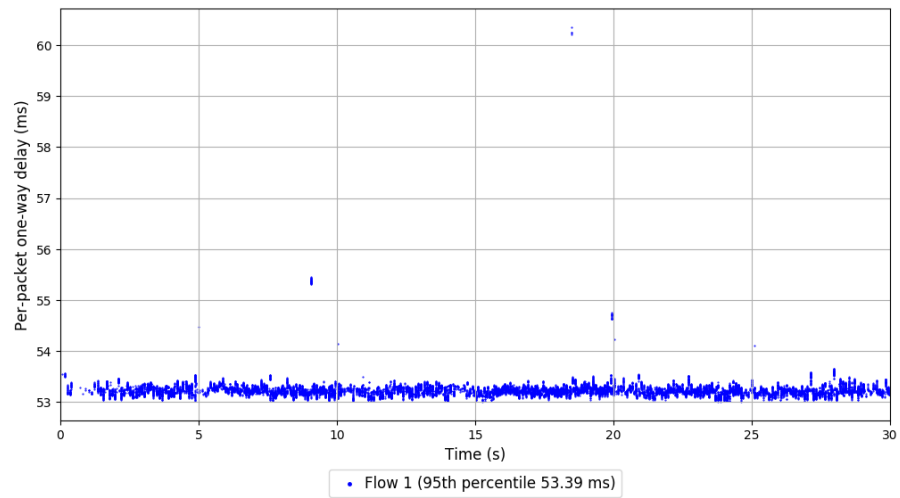
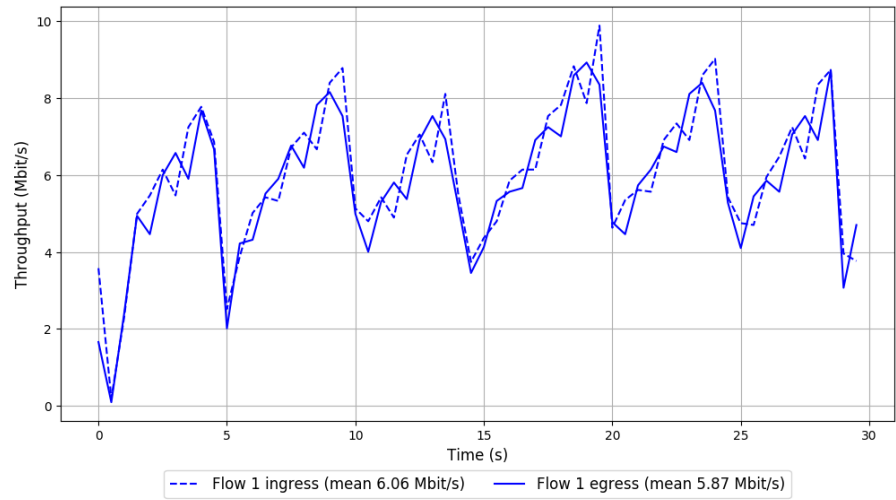
-- Flow 1:

Average throughput: 5.87 Mbit/s

95th percentile per-packet one-way delay: 53.386 ms

Loss rate: 3.15%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 03:10:55 +0000

End at: Sun, 06 Aug 2017 03:11:25 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:55:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.20 Mbit/s

95th percentile per-packet one-way delay: 53.358 ms

Loss rate: 0.67%

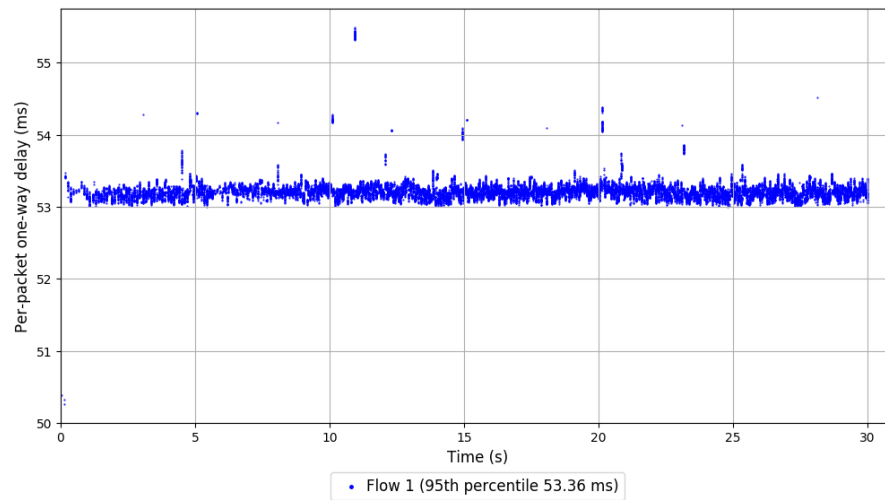
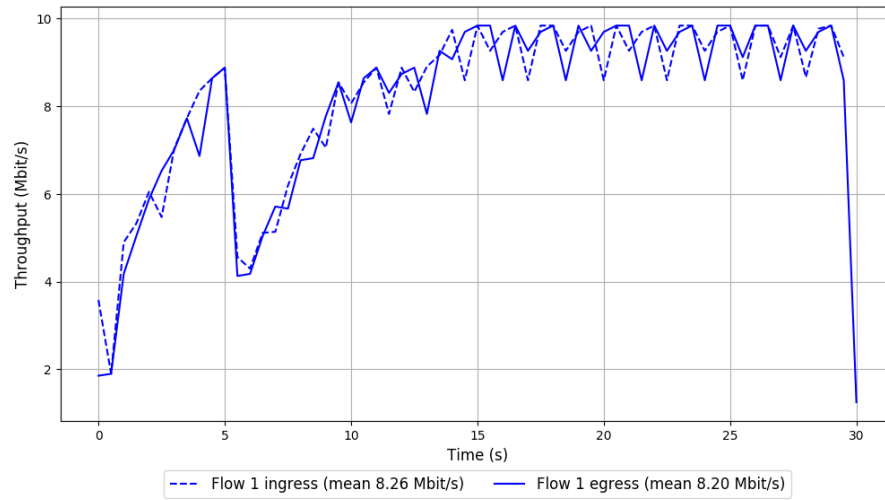
-- Flow 1:

Average throughput: 8.20 Mbit/s

95th percentile per-packet one-way delay: 53.358 ms

Loss rate: 0.67%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 03:20:37 +0000

End at: Sun, 06 Aug 2017 03:21:07 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:55:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.76 Mbit/s

95th percentile per-packet one-way delay: 53.420 ms

Loss rate: 2.88%

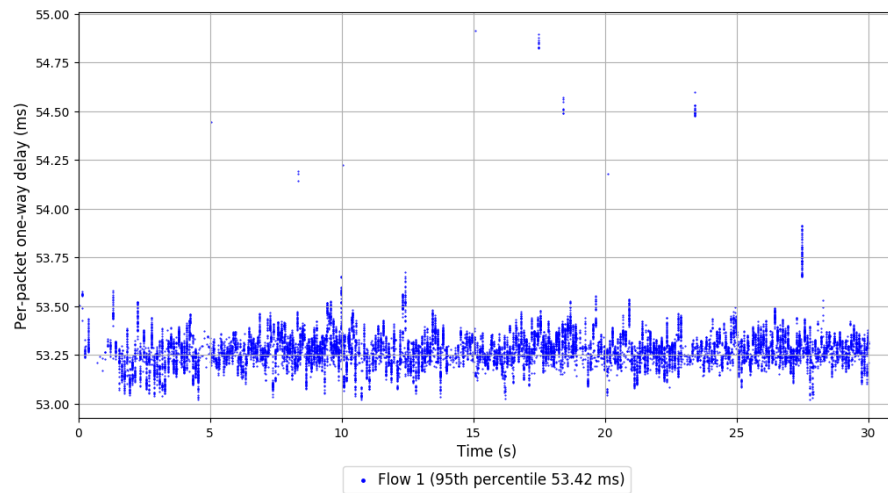
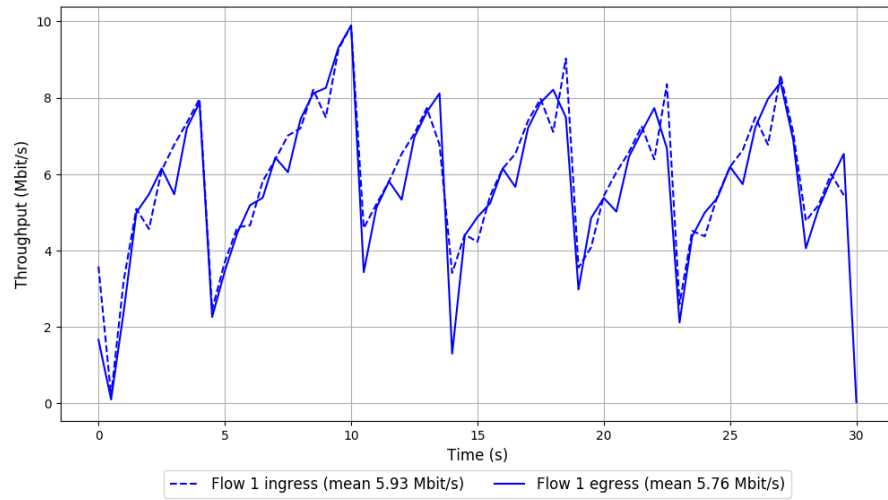
-- Flow 1:

Average throughput: 5.76 Mbit/s

95th percentile per-packet one-way delay: 53.420 ms

Loss rate: 2.88%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 03:30:37 +0000

End at: Sun, 06 Aug 2017 03:31:07 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:55:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.87 Mbit/s

95th percentile per-packet one-way delay: 53.366 ms

Loss rate: 0.37%

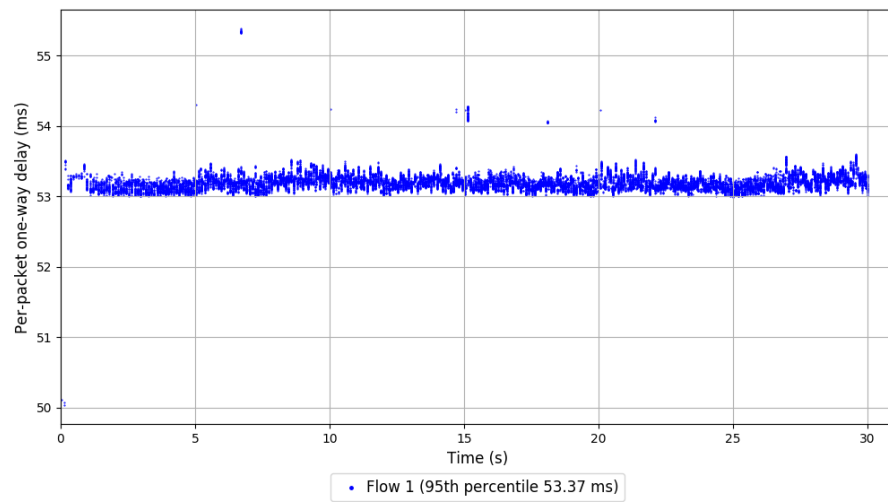
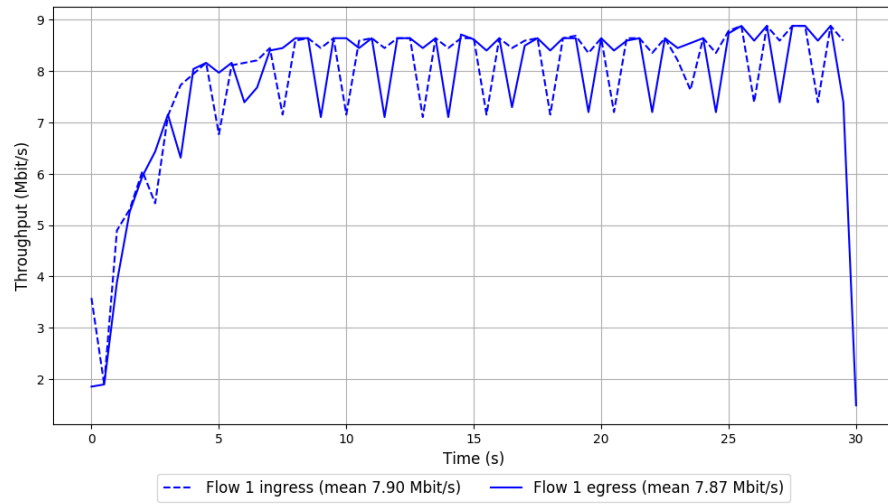
-- Flow 1:

Average throughput: 7.87 Mbit/s

95th percentile per-packet one-way delay: 53.366 ms

Loss rate: 0.37%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 03:40:46 +0000

End at: Sun, 06 Aug 2017 03:41:16 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:55:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.61 Mbit/s

95th percentile per-packet one-way delay: 53.393 ms

Loss rate: 2.19%

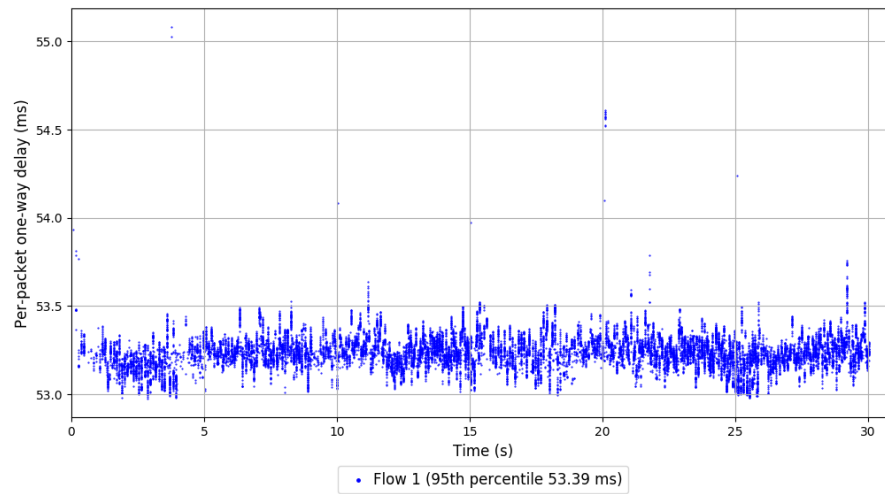
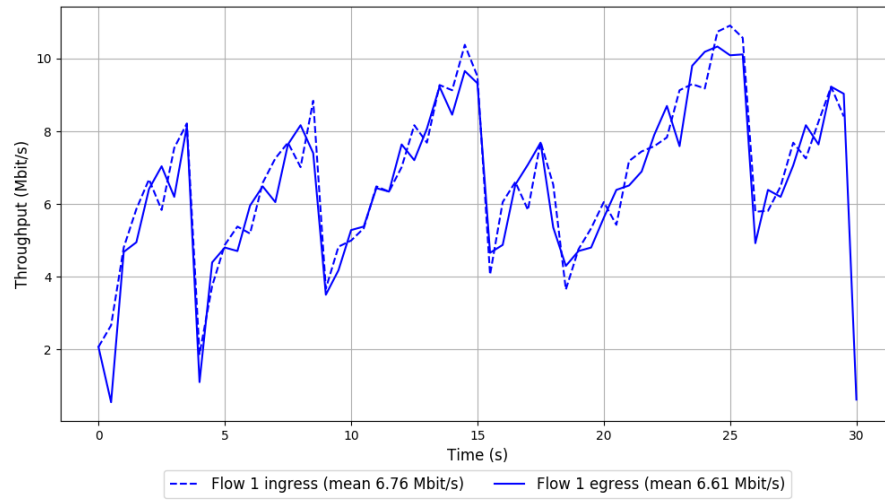
-- Flow 1:

Average throughput: 6.61 Mbit/s

95th percentile per-packet one-way delay: 53.393 ms

Loss rate: 2.19%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Sun, 06 Aug 2017 02:09:56 +0000

End at: Sun, 06 Aug 2017 02:10:26 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:55:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 36.55 Mbit/s

95th percentile per-packet one-way delay: 57.017 ms

Loss rate: 78.30%

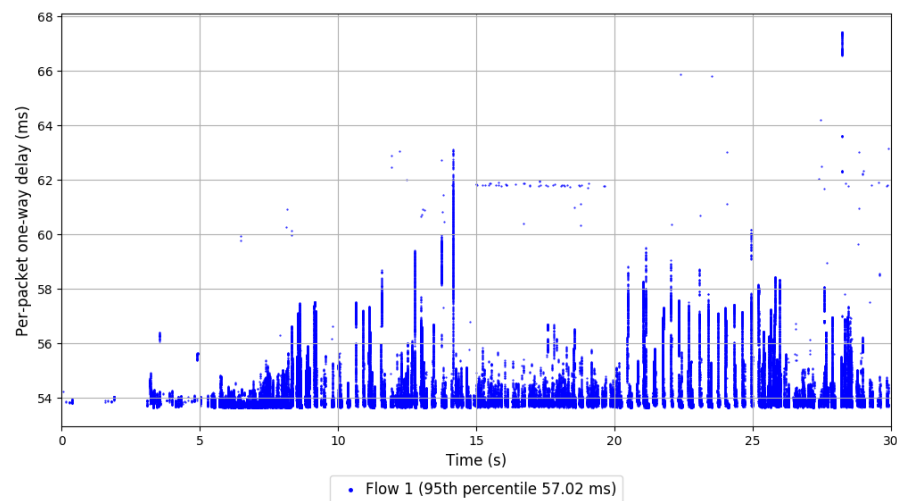
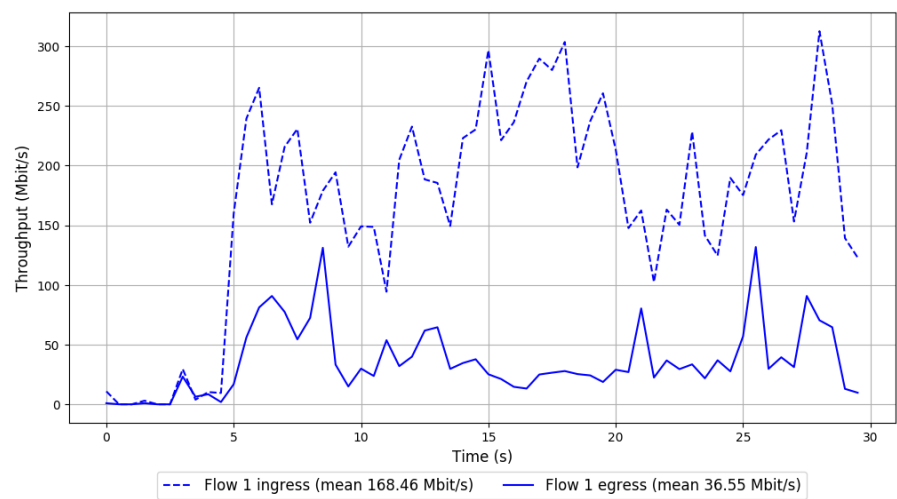
-- Flow 1:

Average throughput: 36.55 Mbit/s

95th percentile per-packet one-way delay: 57.017 ms

Loss rate: 78.30%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sun, 06 Aug 2017 02:19:45 +0000

End at: Sun, 06 Aug 2017 02:20:15 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:55:14 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 29.68 Mbit/s

95th percentile per-packet one-way delay: 54.164 ms

Loss rate: 66.35%

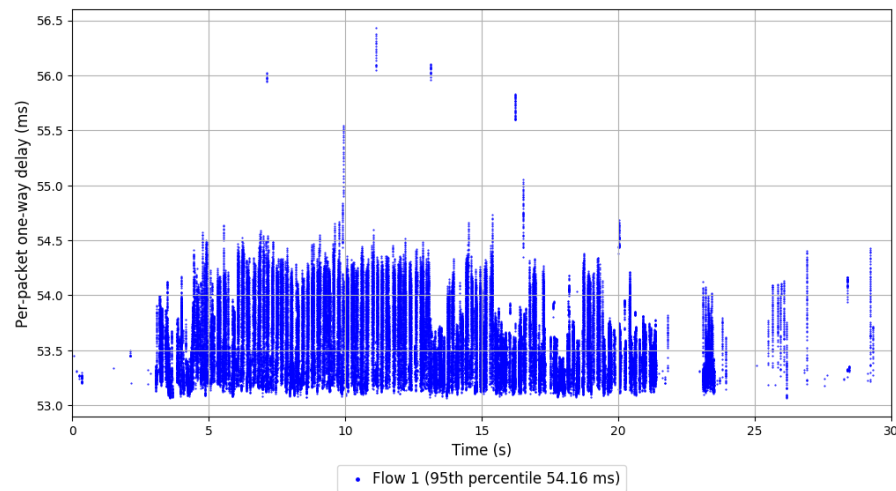
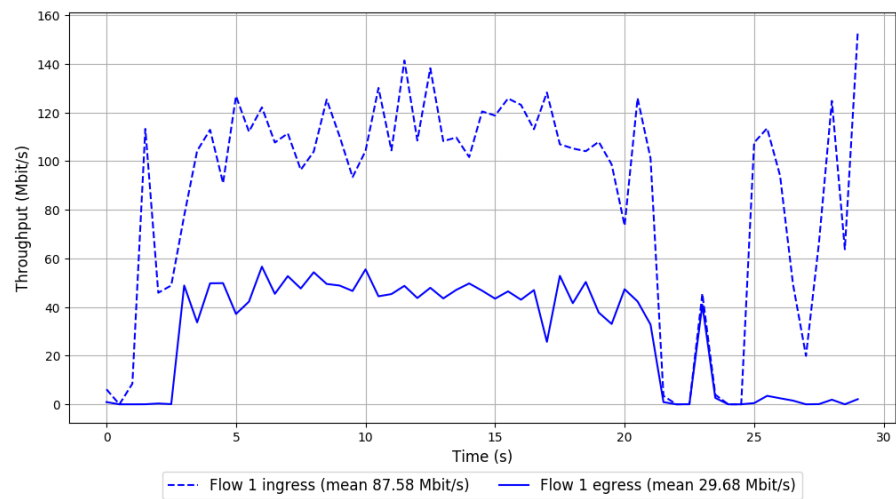
-- Flow 1:

Average throughput: 29.68 Mbit/s

95th percentile per-packet one-way delay: 54.164 ms

Loss rate: 66.35%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sun, 06 Aug 2017 02:29:17 +0000

End at: Sun, 06 Aug 2017 02:29:47 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:55:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.02 Mbit/s

95th percentile per-packet one-way delay: 56.202 ms

Loss rate: 67.76%

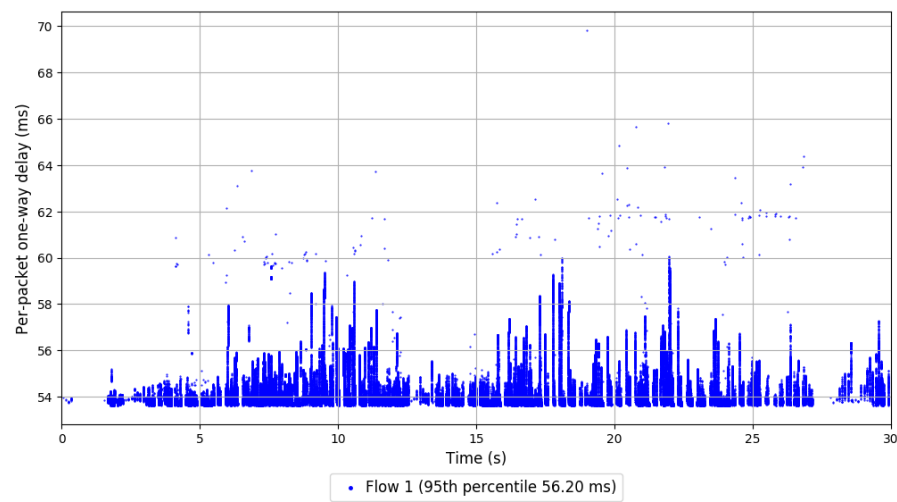
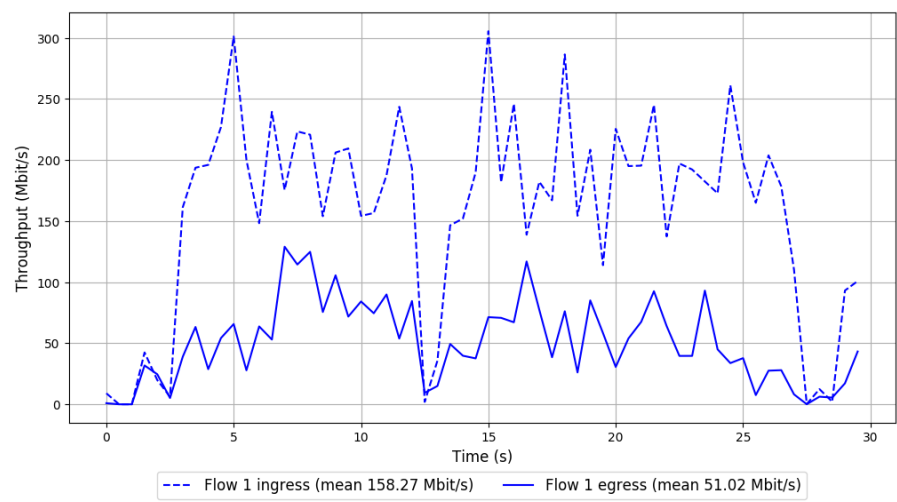
-- Flow 1:

Average throughput: 51.02 Mbit/s

95th percentile per-packet one-way delay: 56.202 ms

Loss rate: 67.76%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Sun, 06 Aug 2017 02:38:57 +0000

End at: Sun, 06 Aug 2017 02:39:27 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:55:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 25.63 Mbit/s

95th percentile per-packet one-way delay: 53.528 ms

Loss rate: 51.63%

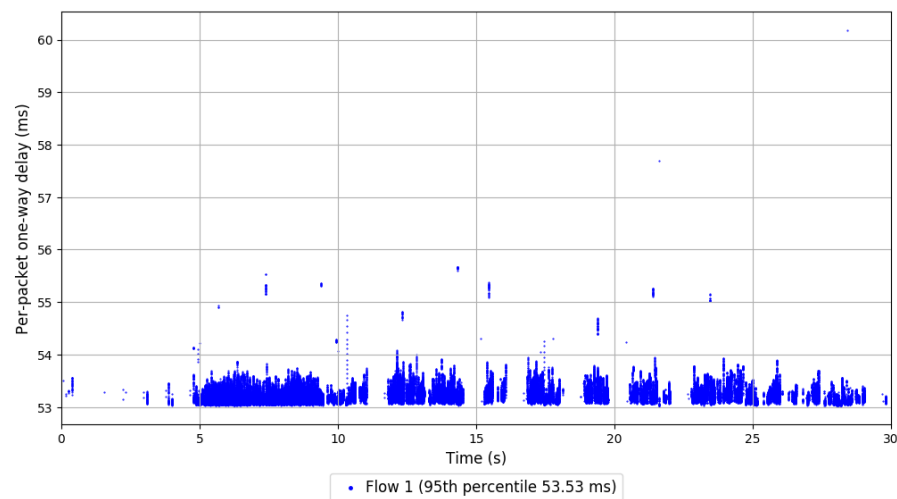
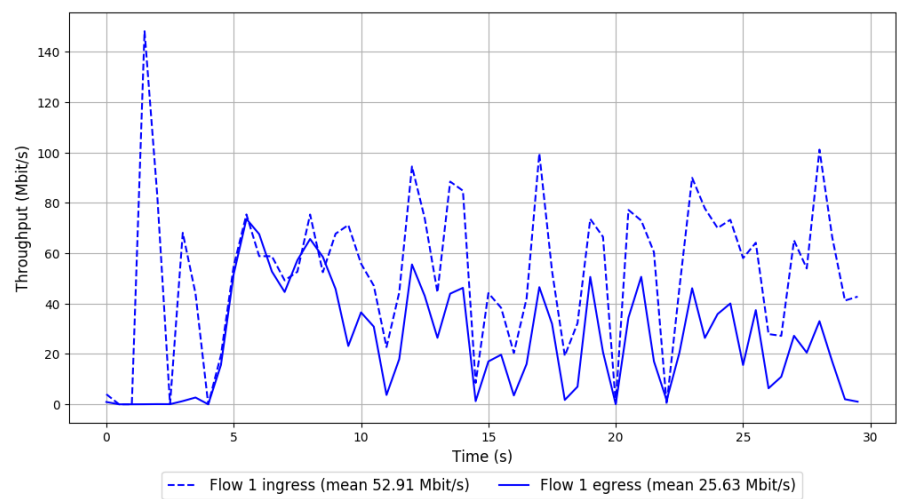
-- Flow 1:

Average throughput: 25.63 Mbit/s

95th percentile per-packet one-way delay: 53.528 ms

Loss rate: 51.63%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Sun, 06 Aug 2017 02:48:37 +0000

End at: Sun, 06 Aug 2017 02:49:07 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:55:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 40.94 Mbit/s

95th percentile per-packet one-way delay: 56.262 ms

Loss rate: 75.82%

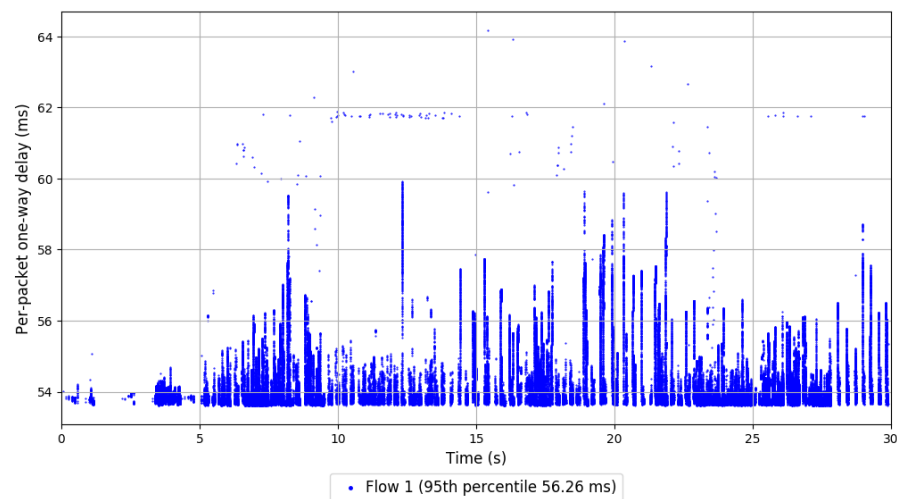
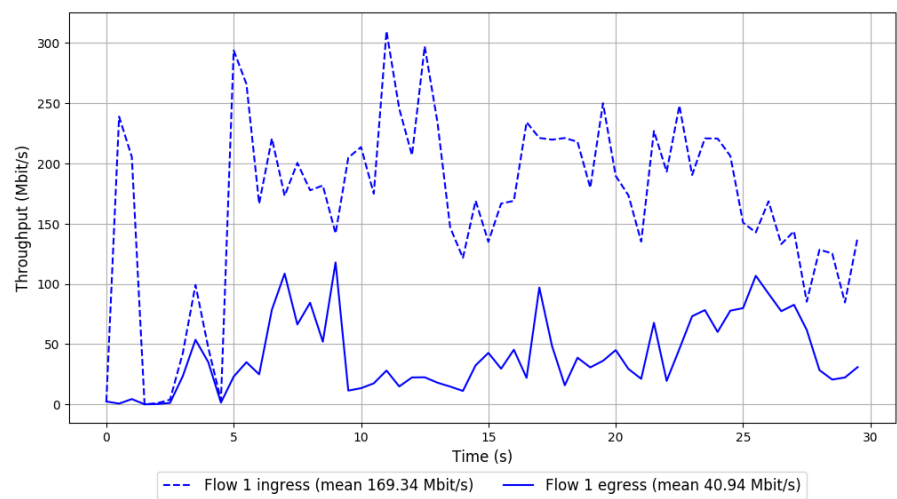
-- Flow 1:

Average throughput: 40.94 Mbit/s

95th percentile per-packet one-way delay: 56.262 ms

Loss rate: 75.82%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Sun, 06 Aug 2017 02:58:47 +0000

End at: Sun, 06 Aug 2017 02:59:17 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:55:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 57.91 Mbit/s

95th percentile per-packet one-way delay: 55.908 ms

Loss rate: 49.92%

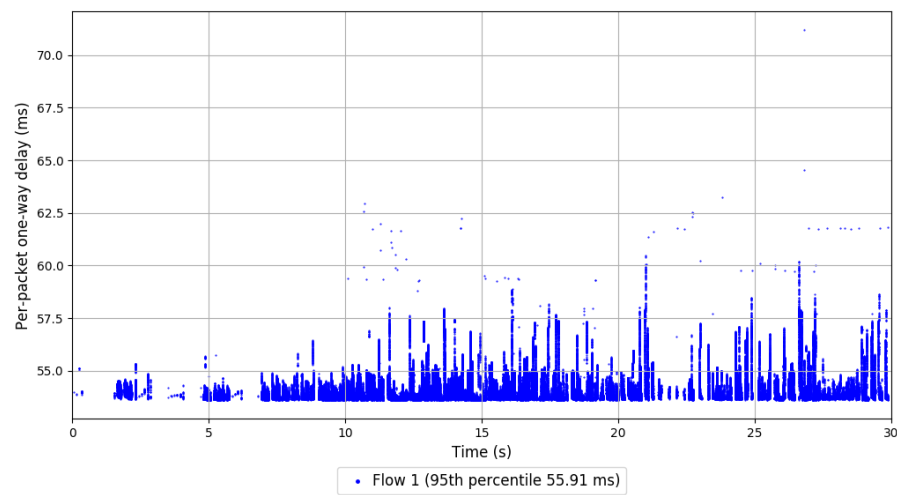
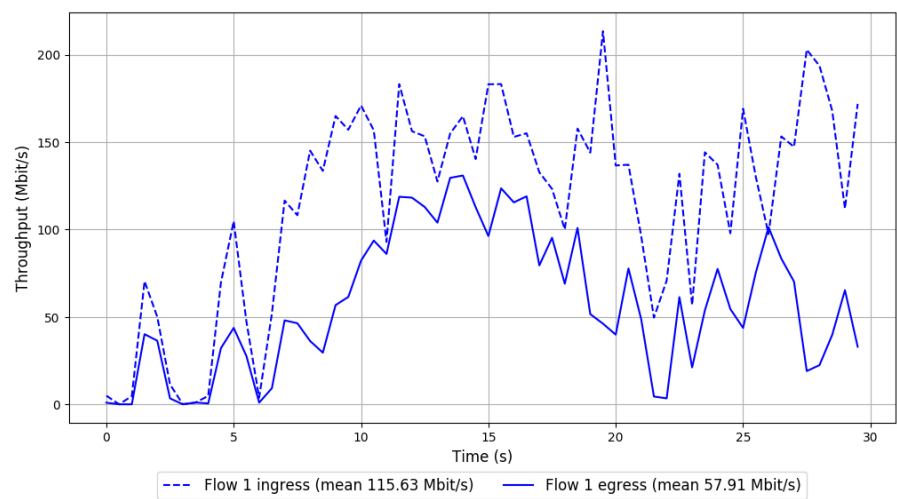
-- Flow 1:

Average throughput: 57.91 Mbit/s

95th percentile per-packet one-way delay: 55.908 ms

Loss rate: 49.92%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Sun, 06 Aug 2017 03:08:23 +0000

End at: Sun, 06 Aug 2017 03:08:53 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:55:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 24.32 Mbit/s

95th percentile per-packet one-way delay: 54.128 ms

Loss rate: 73.05%

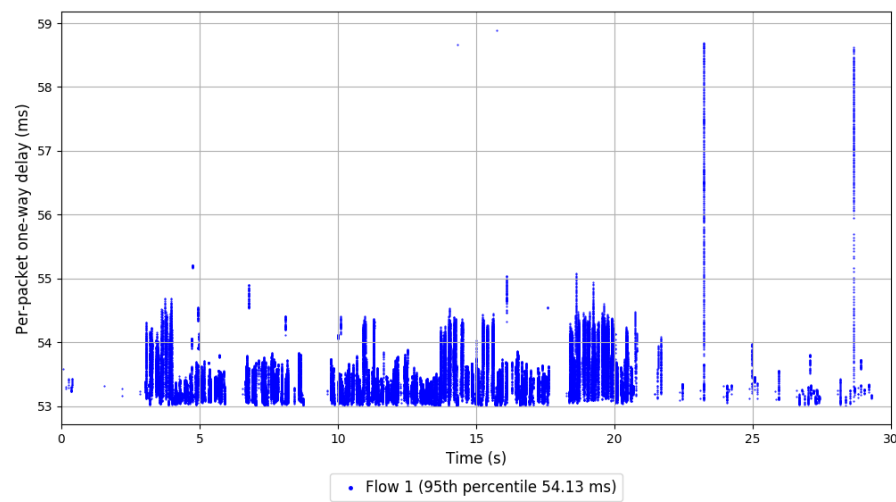
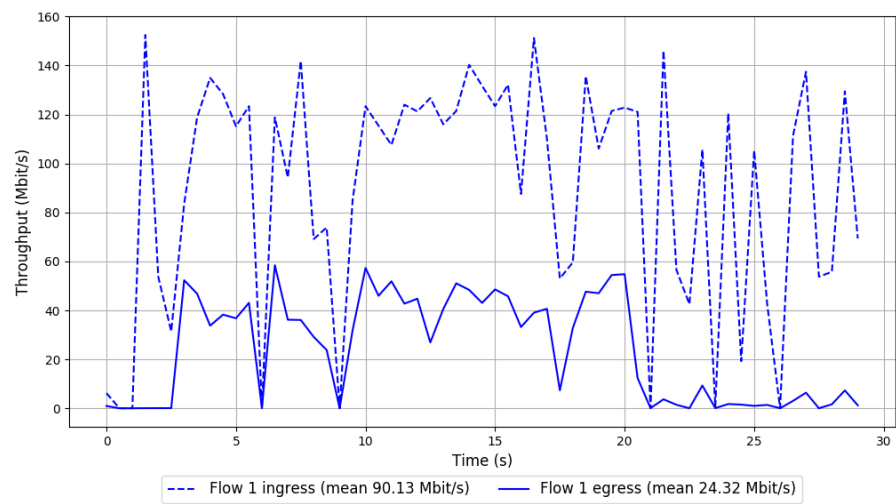
-- Flow 1:

Average throughput: 24.32 Mbit/s

95th percentile per-packet one-way delay: 54.128 ms

Loss rate: 73.05%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

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

End at: Sun, 06 Aug 2017 03:18:36 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:55:47 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 13.63 Mbit/s

95th percentile per-packet one-way delay: 53.773 ms

Loss rate: 80.01%

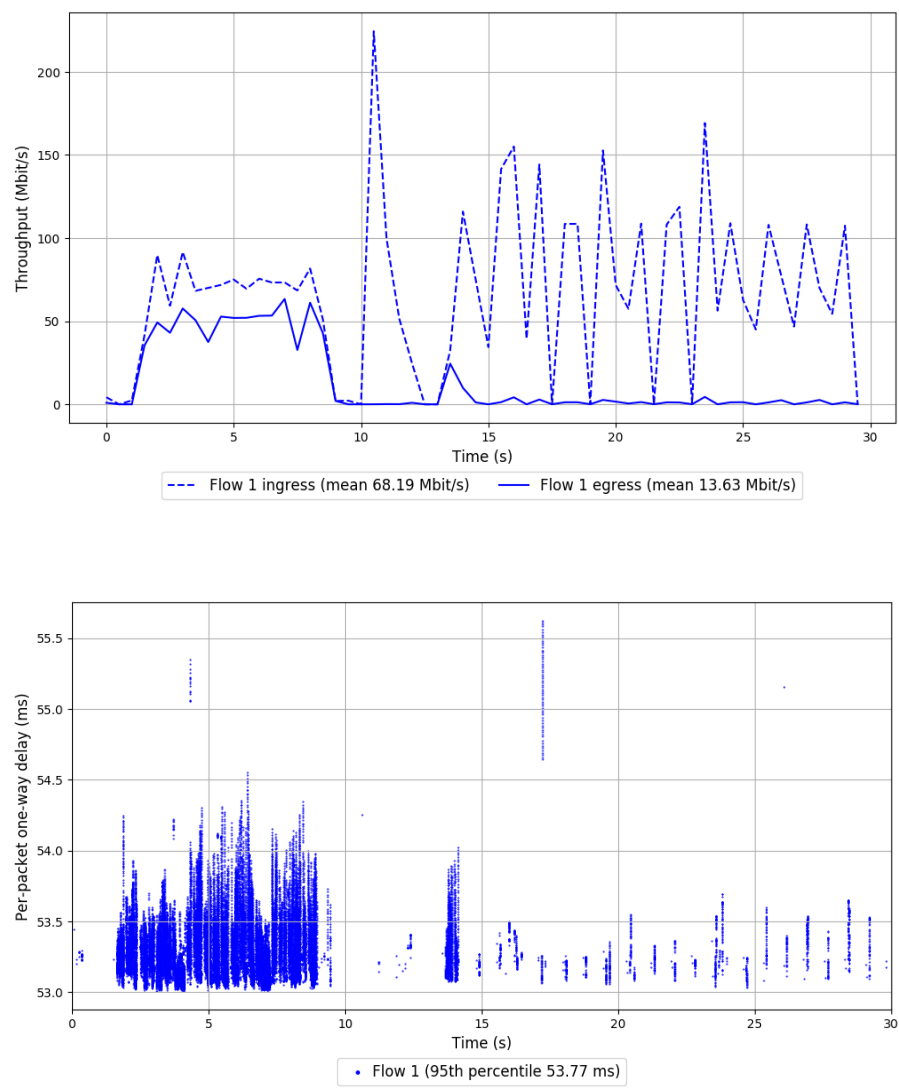
-- Flow 1:

Average throughput: 13.63 Mbit/s

95th percentile per-packet one-way delay: 53.773 ms

Loss rate: 80.01%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Sun, 06 Aug 2017 03:28:03 +0000

End at: Sun, 06 Aug 2017 03:28:33 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:56:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 44.60 Mbit/s

95th percentile per-packet one-way delay: 55.166 ms

Loss rate: 70.41%

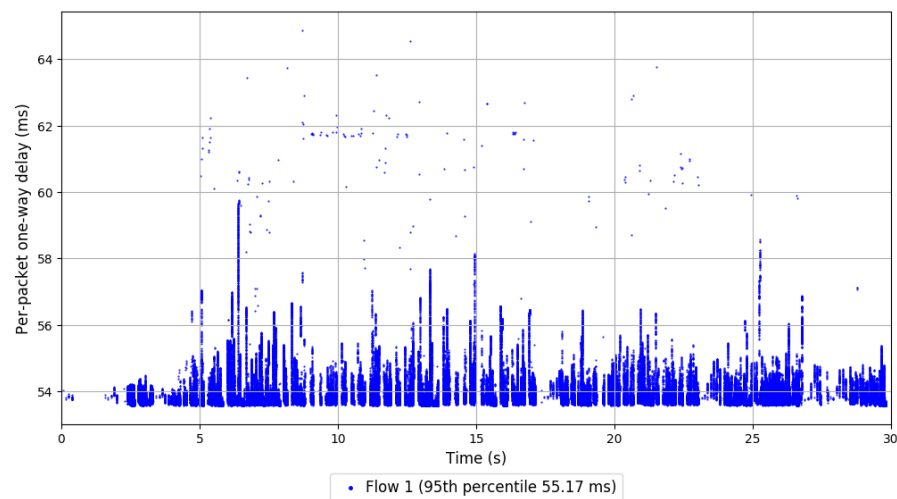
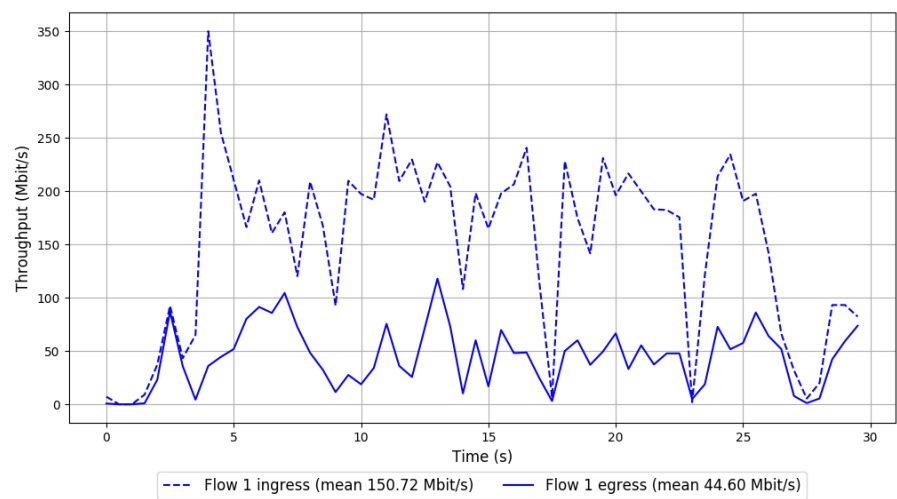
-- Flow 1:

Average throughput: 44.60 Mbit/s

95th percentile per-packet one-way delay: 55.166 ms

Loss rate: 70.41%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Sun, 06 Aug 2017 03:38:15 +0000

End at: Sun, 06 Aug 2017 03:38:45 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:56:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 28.63 Mbit/s

95th percentile per-packet one-way delay: 53.977 ms

Loss rate: 62.63%

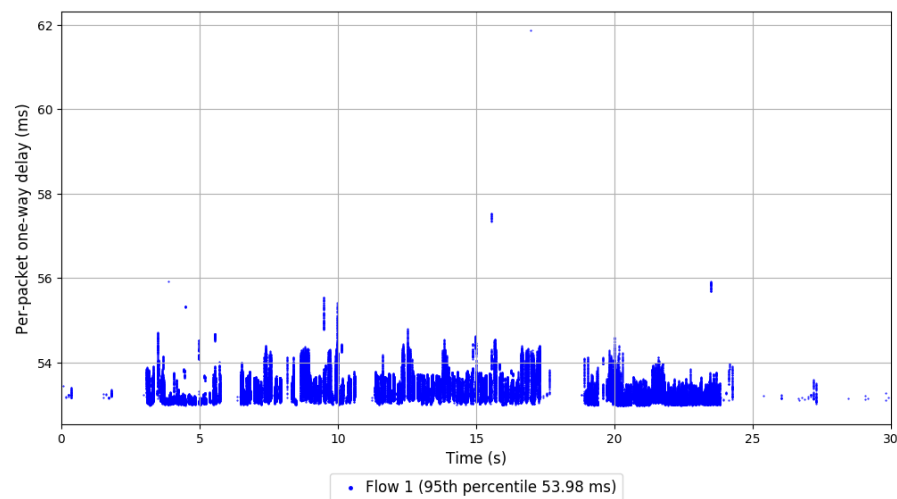
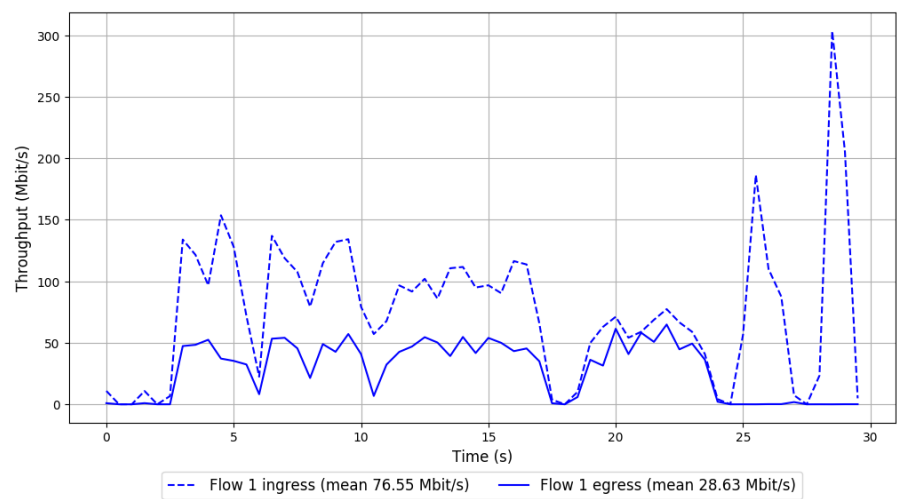
-- Flow 1:

Average throughput: 28.63 Mbit/s

95th percentile per-packet one-way delay: 53.977 ms

Loss rate: 62.63%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 02:11:52 +0000

End at: Sun, 06 Aug 2017 02:12:23 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:56:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 50.539 ms

Loss rate: 0.00%

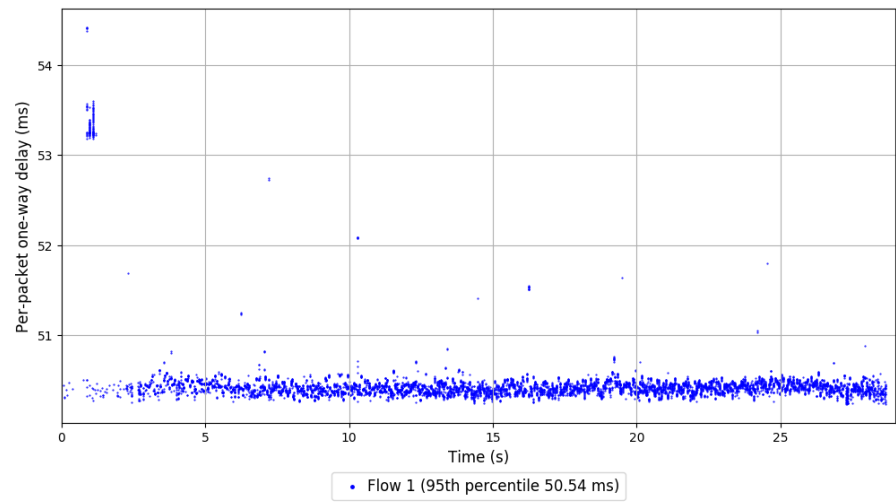
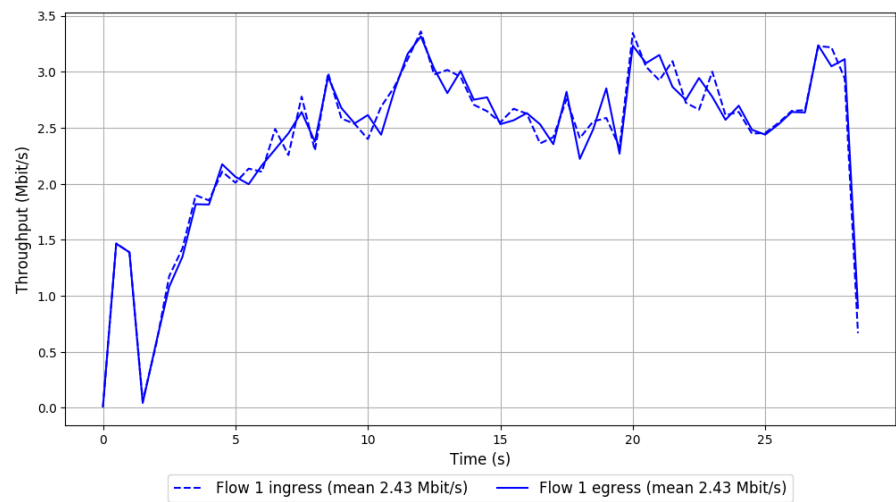
-- Flow 1:

Average throughput: 2.43 Mbit/s

95th percentile per-packet one-way delay: 50.539 ms

Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 02:21:39 +0000

End at: Sun, 06 Aug 2017 02:22:09 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:56:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 50.521 ms

Loss rate: 0.00%

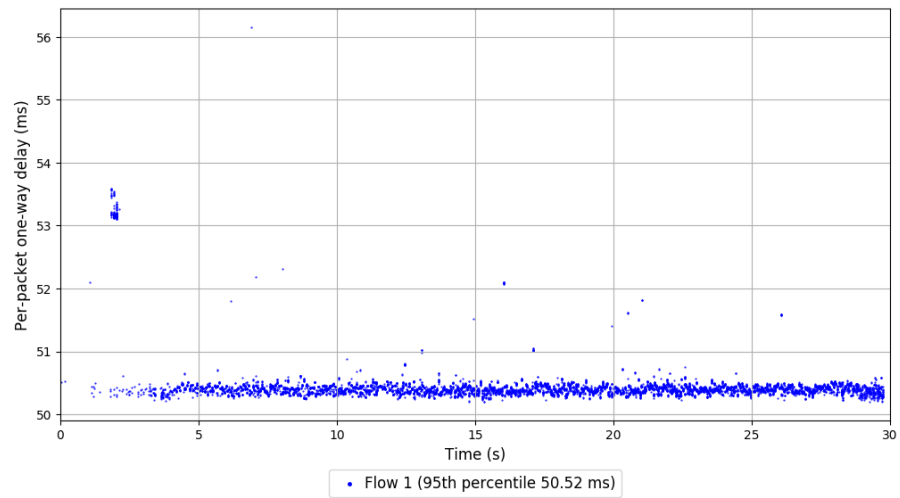
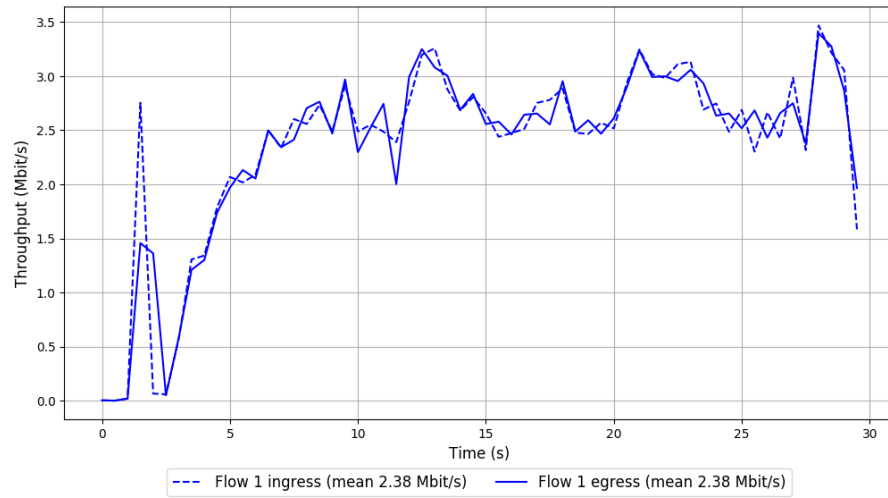
-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 50.521 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 02:31:14 +0000

End at: Sun, 06 Aug 2017 02:31:44 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:56:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 50.490 ms

Loss rate: 0.00%

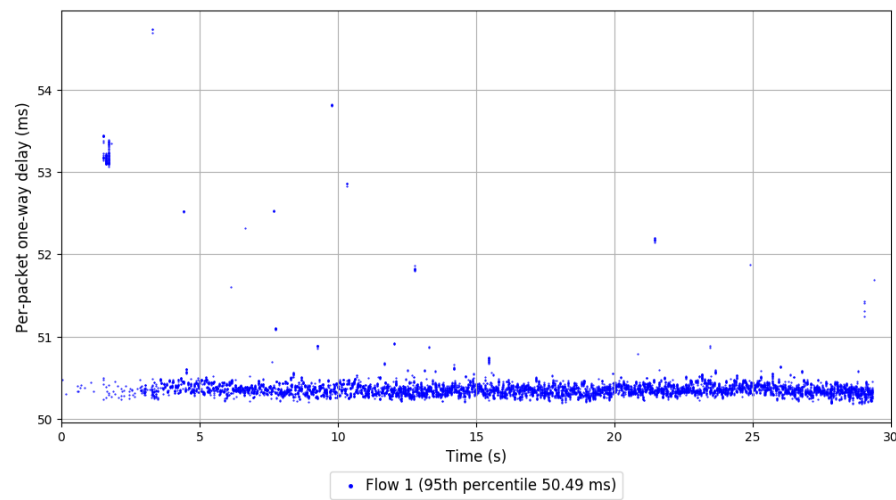
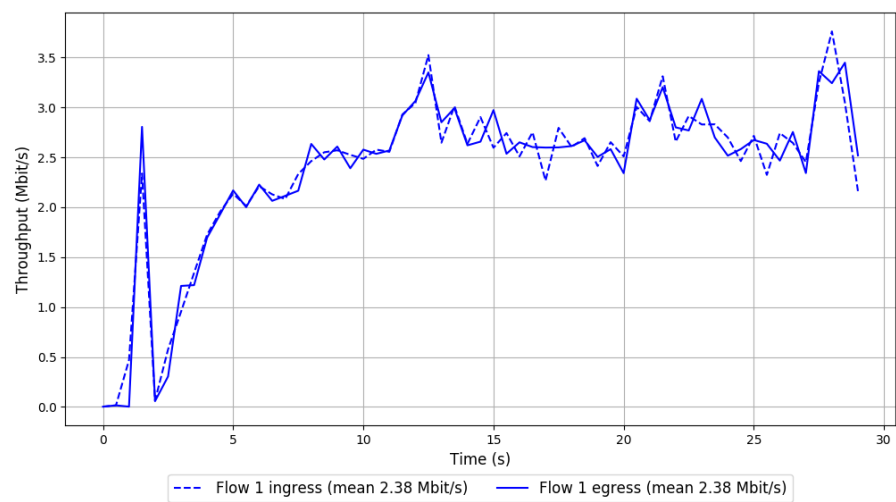
-- Flow 1:

Average throughput: 2.38 Mbit/s

95th percentile per-packet one-way delay: 50.490 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 02:40:50 +0000

End at: Sun, 06 Aug 2017 02:41:20 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:56:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 50.563 ms

Loss rate: 0.00%

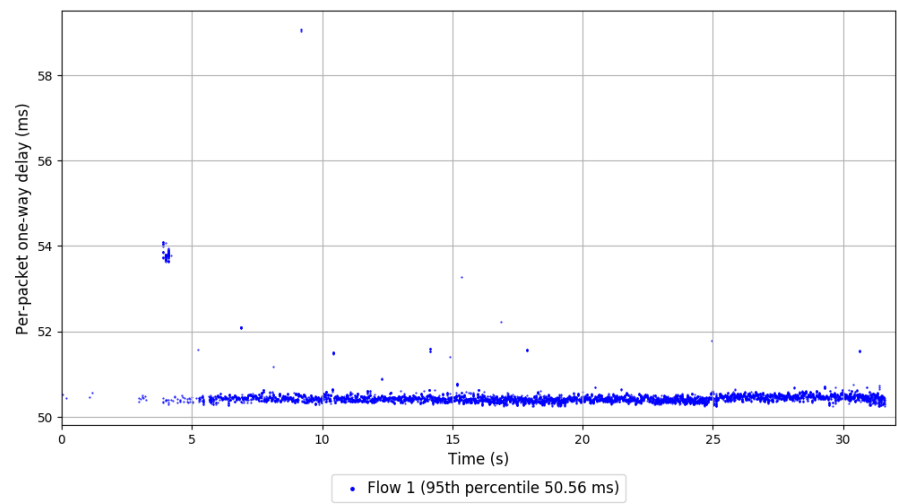
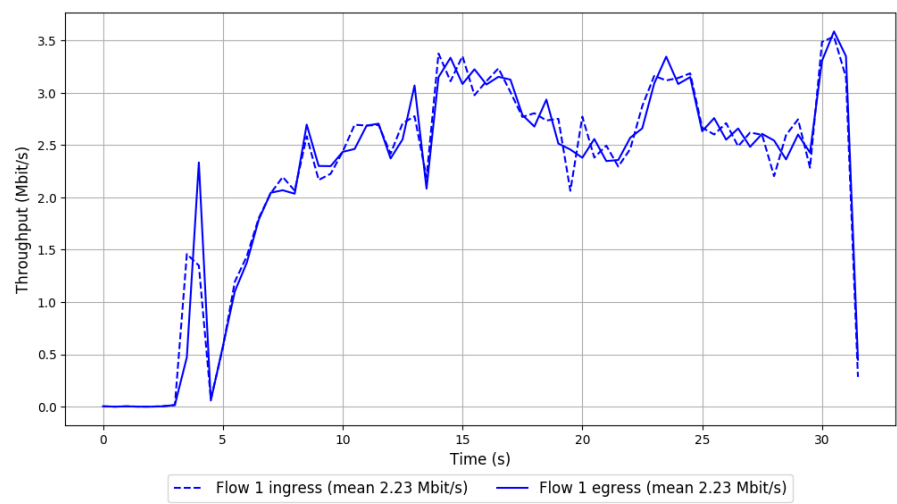
-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 50.563 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 02:50:34 +0000

End at: Sun, 06 Aug 2017 02:51:04 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:56:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 53.920 ms

Loss rate: 0.00%

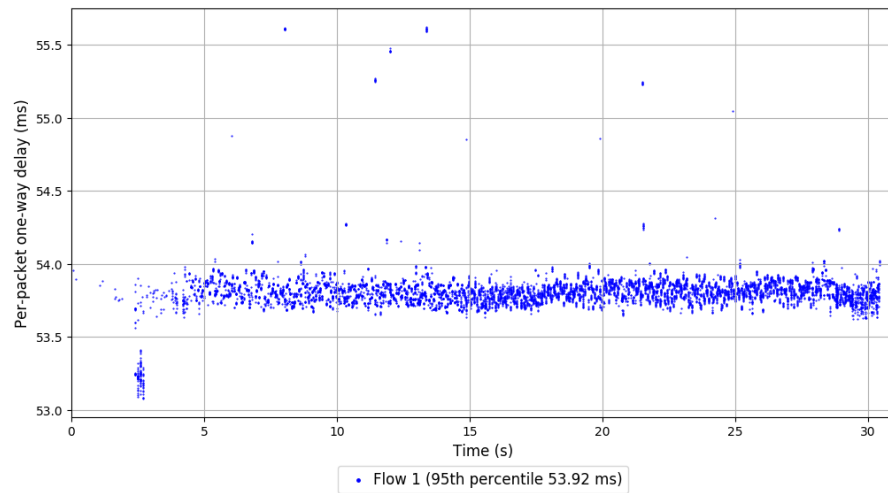
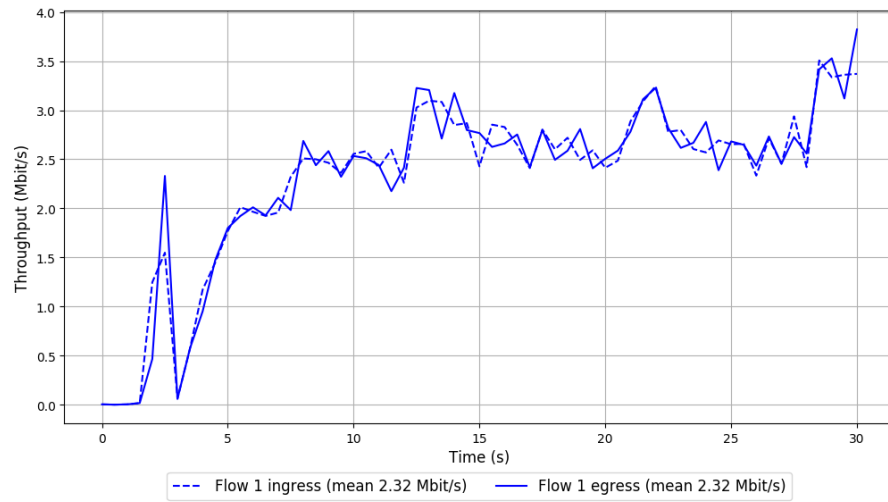
-- Flow 1:

Average throughput: 2.32 Mbit/s

95th percentile per-packet one-way delay: 53.920 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 03:00:44 +0000

End at: Sun, 06 Aug 2017 03:01:14 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:56:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.46 Mbit/s

95th percentile per-packet one-way delay: 50.497 ms

Loss rate: 0.00%

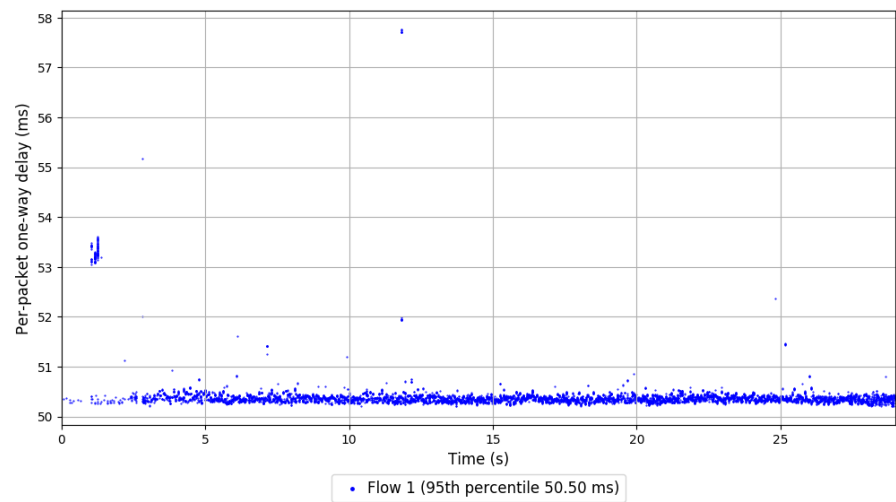
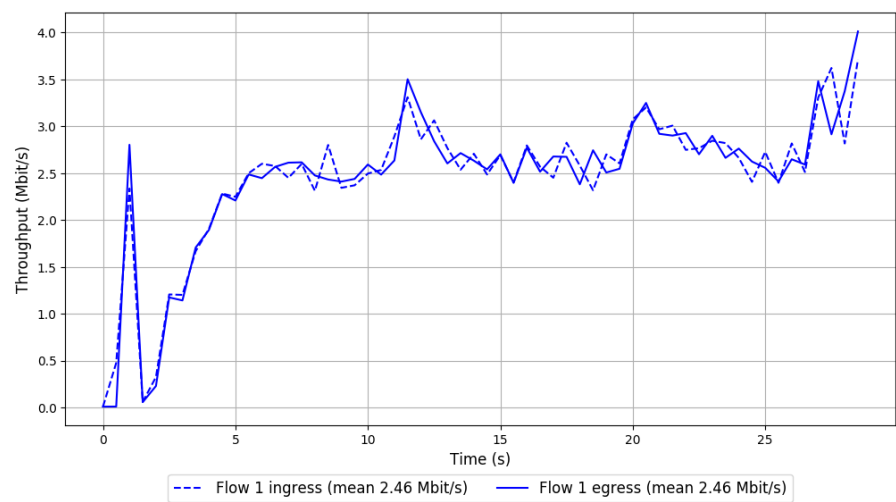
-- Flow 1:

Average throughput: 2.46 Mbit/s

95th percentile per-packet one-way delay: 50.497 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 03:10:18 +0000

End at: Sun, 06 Aug 2017 03:10:48 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:56:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 50.464 ms

Loss rate: 0.00%

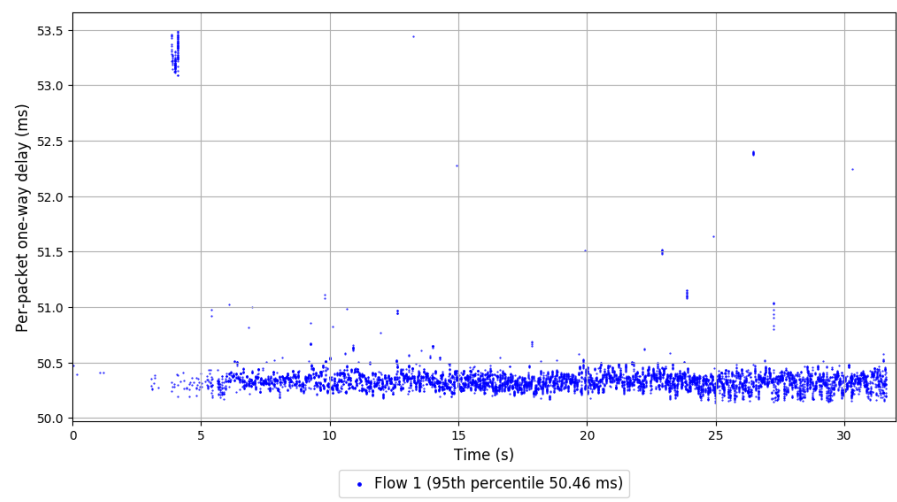
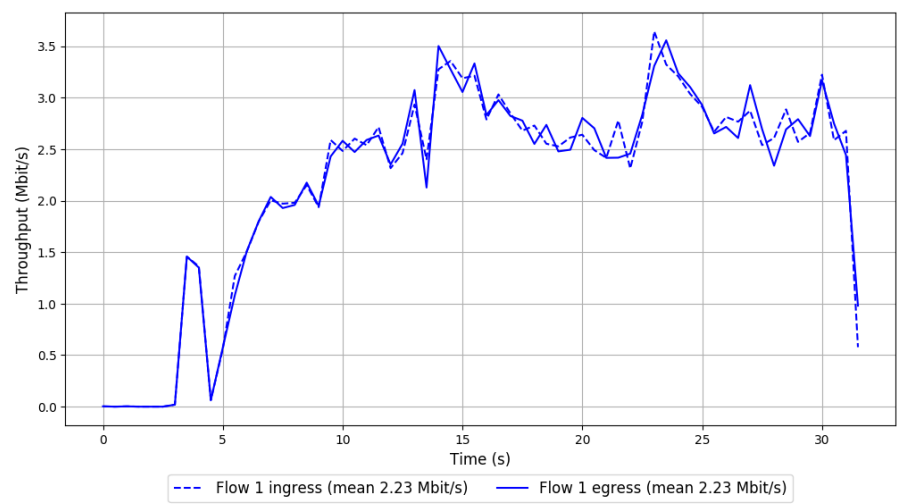
-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 50.464 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 03:19:59 +0000

End at: Sun, 06 Aug 2017 03:20:29 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:56:06 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 50.753 ms

Loss rate: 0.00%

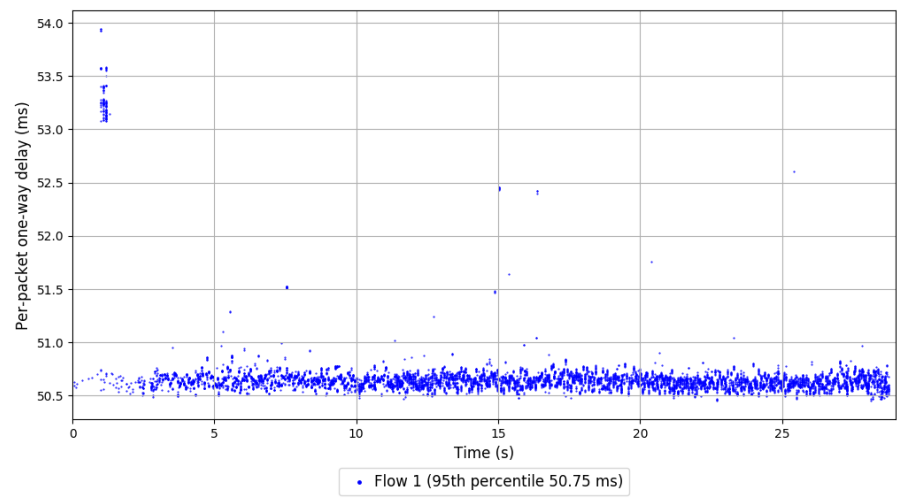
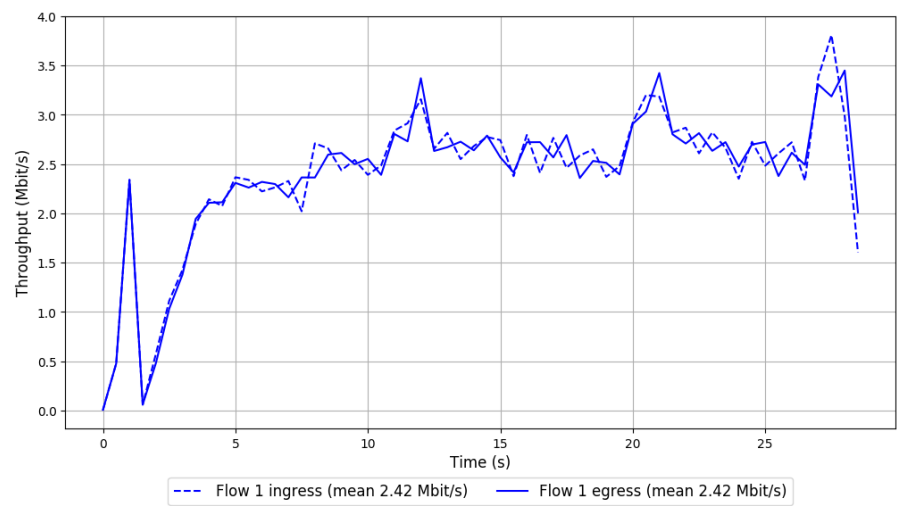
-- Flow 1:

Average throughput: 2.42 Mbit/s

95th percentile per-packet one-way delay: 50.753 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 03:30:00 +0000

End at: Sun, 06 Aug 2017 03:30:30 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:56:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 50.435 ms

Loss rate: 0.00%

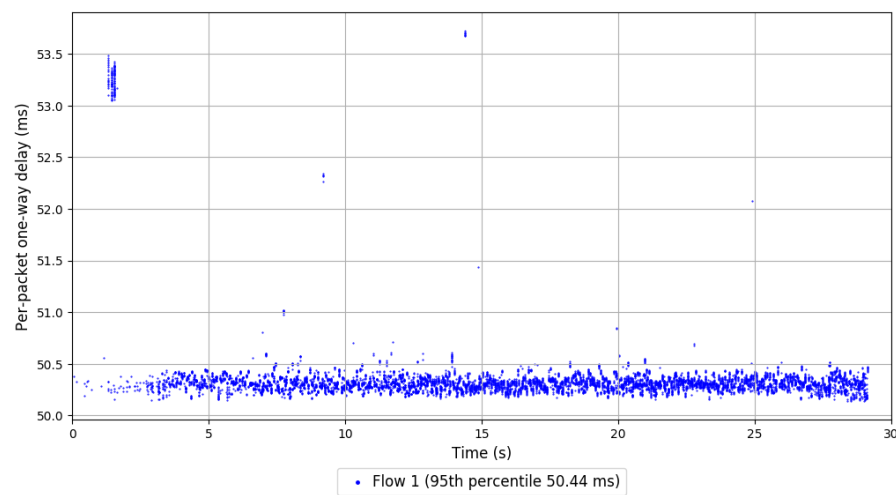
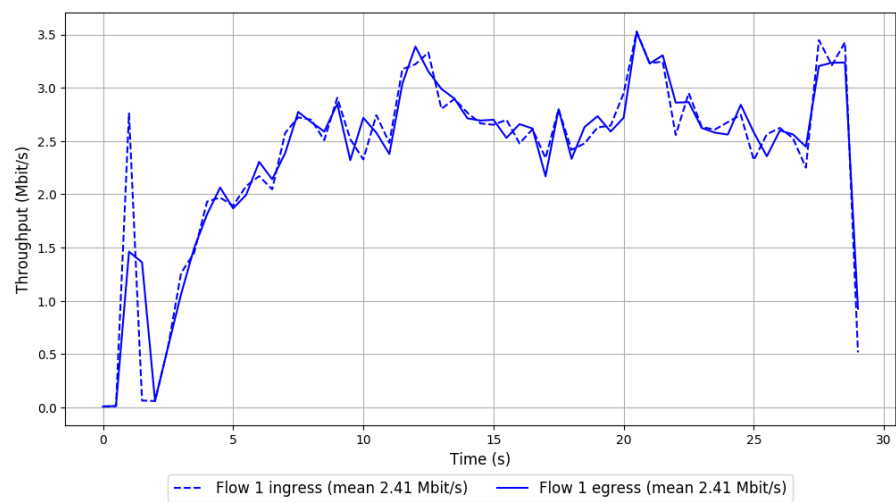
-- Flow 1:

Average throughput: 2.41 Mbit/s

95th percentile per-packet one-way delay: 50.435 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 03:40:09 +0000

End at: Sun, 06 Aug 2017 03:40:39 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 04:56:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 50.100 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 50.100 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

