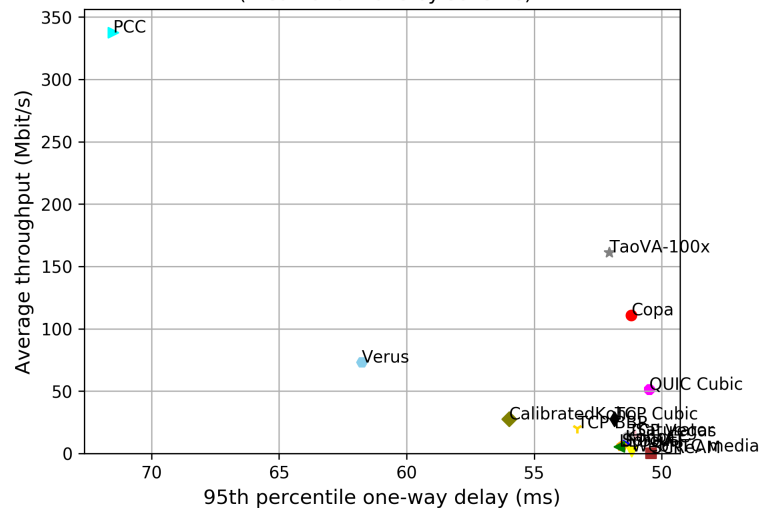


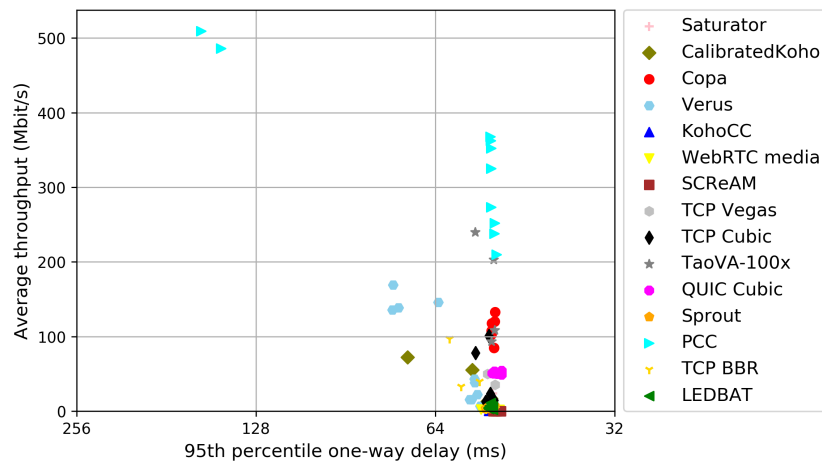
Pantheon Summary (Generated at Sun, 06 Aug 2017 16:52:46 +0000 with
pantheon version a934ee3822380a12762347e6bc8bd1f3e836e73b)
Repeated the test of 15 congestion control schemes 10 times.
Each test lasted for 30 seconds running 1 flow.
Data path: GCE Iowa Ethernet (*local*) → GCE London Ethernet (*remote*).

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

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



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



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	20.31	53.31	28.10
CalibratedKoho	10	27.71	55.98	61.04
Copa	10	111.02	51.19	0.15
TCP Cubic	10	27.64	51.85	1.08
KohoCC	10	9.43	51.44	18.26
LEDBAT	10	5.48	51.67	1.64
PCC	10	337.68	71.50	5.30
QUIC Cubic	10	51.48	50.48	0.00
Saturator	10	14.44	51.04	24.30
SCReAM	10	0.22	50.42	0.00
Sprout	10	6.13	51.57	8.81
TaoVA-100x	10	161.30	52.05	3.24
TCP Vegas	10	13.80	51.32	1.40
Verus	10	73.17	61.76	53.87
WebRTC media	10	1.80	51.18	0.00

Run 1: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 13:51:12 +0000

End at: Sun, 06 Aug 2017 13:51:42 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:36:23 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 51.307 ms

Loss rate: 24.67%

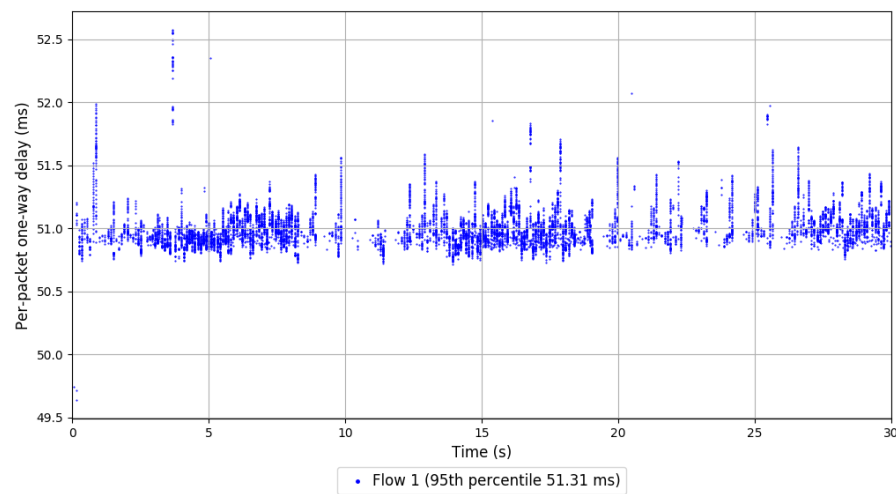
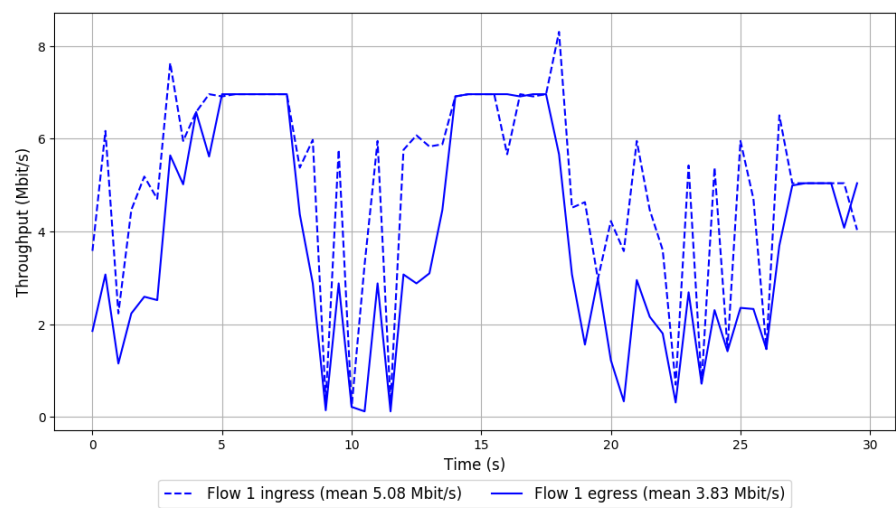
-- Flow 1:

Average throughput: 3.83 Mbit/s

95th percentile per-packet one-way delay: 51.307 ms

Loss rate: 24.67%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 14:01:24 +0000

End at: Sun, 06 Aug 2017 14:01:54 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:36:23 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.31 Mbit/s

95th percentile per-packet one-way delay: 51.431 ms

Loss rate: 32.13%

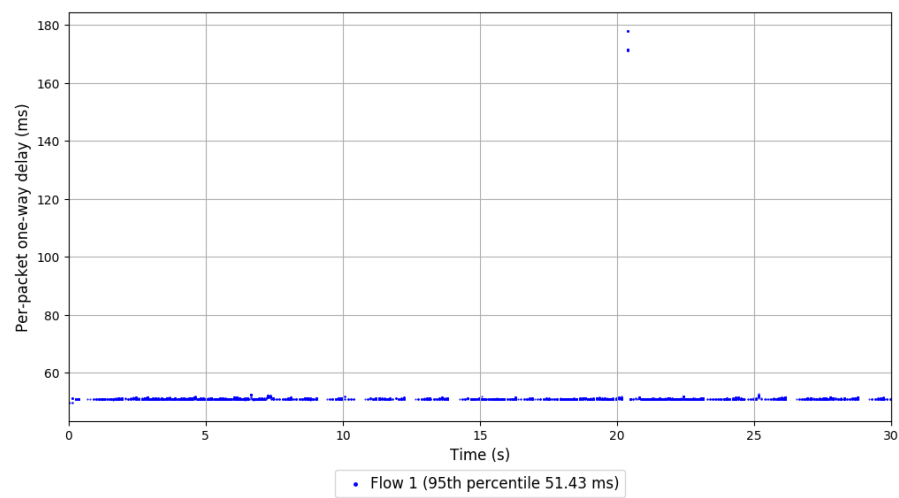
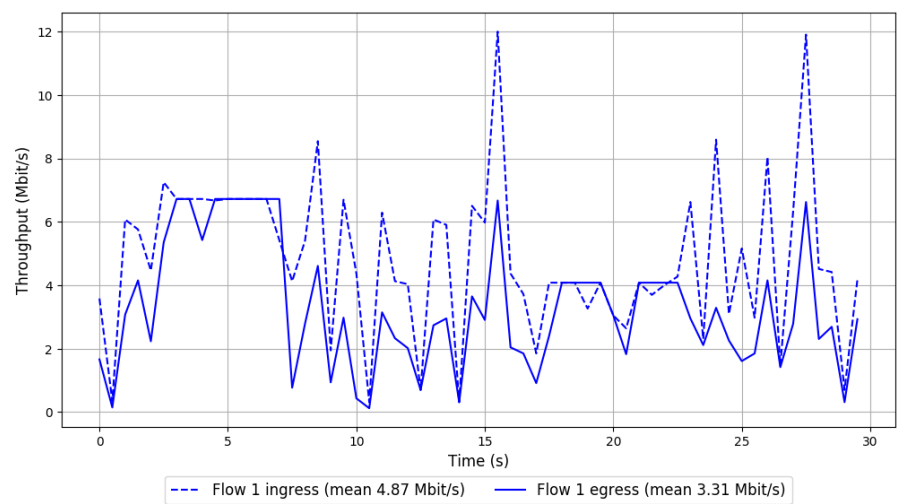
-- Flow 1:

Average throughput: 3.31 Mbit/s

95th percentile per-packet one-way delay: 51.431 ms

Loss rate: 32.13%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 14:11:16 +0000

End at: Sun, 06 Aug 2017 14:11:46 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:36:24 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.42 Mbit/s

95th percentile per-packet one-way delay: 51.240 ms

Loss rate: 34.87%

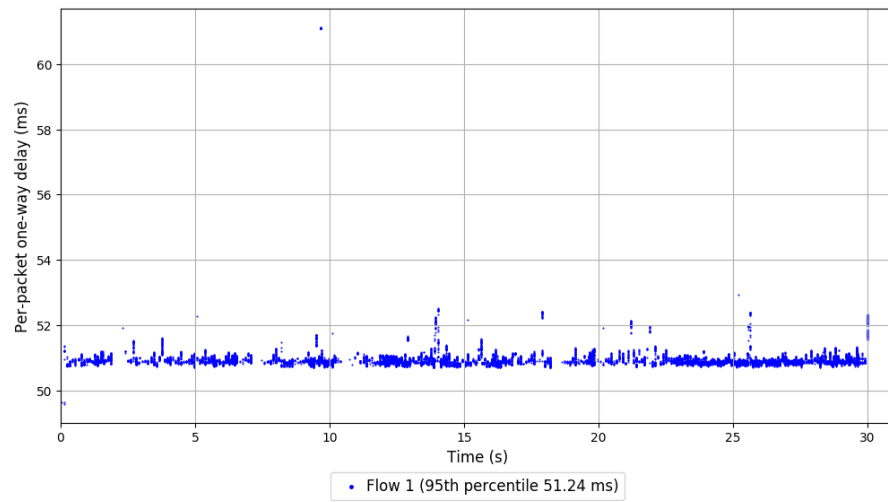
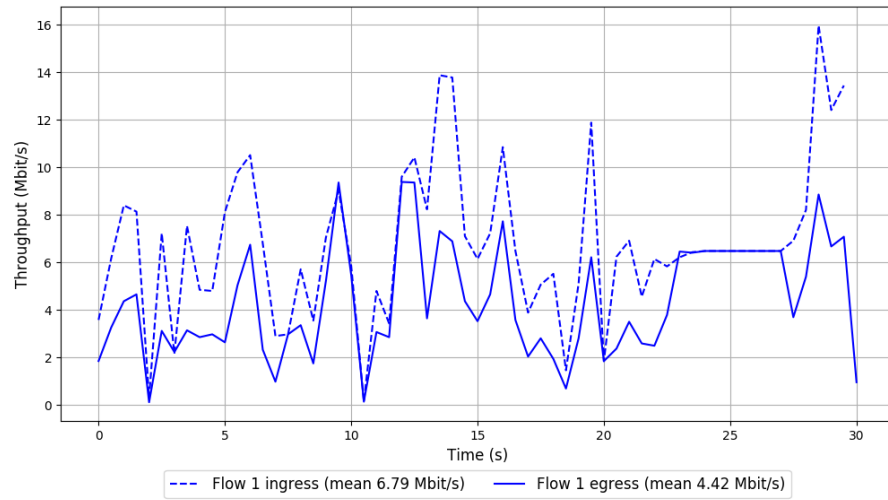
-- Flow 1:

Average throughput: 4.42 Mbit/s

95th percentile per-packet one-way delay: 51.240 ms

Loss rate: 34.87%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 14:21:26 +0000

End at: Sun, 06 Aug 2017 14:21:56 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:36:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.91 Mbit/s

95th percentile per-packet one-way delay: 51.452 ms

Loss rate: 43.23%

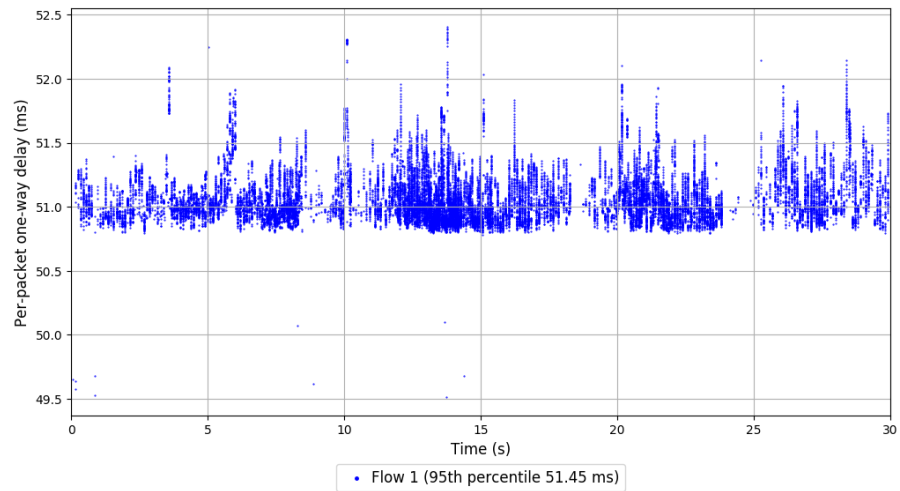
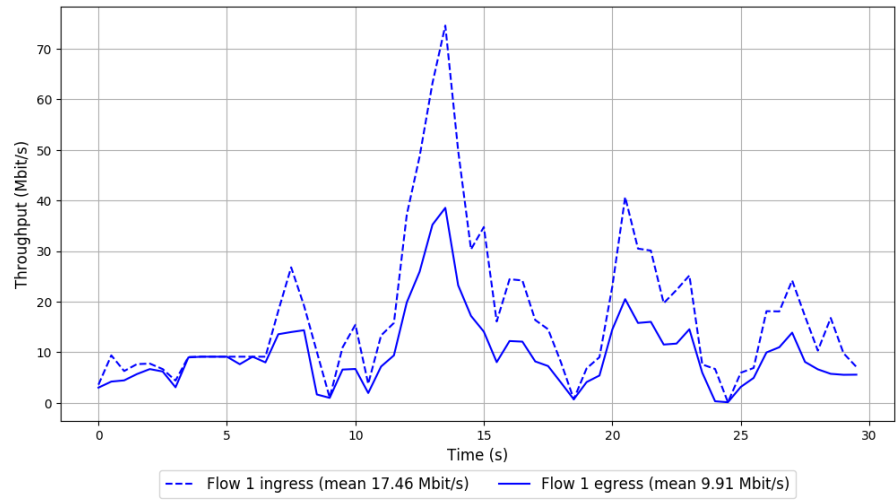
-- Flow 1:

Average throughput: 9.91 Mbit/s

95th percentile per-packet one-way delay: 51.452 ms

Loss rate: 43.23%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 14:31:18 +0000

End at: Sun, 06 Aug 2017 14:31:48 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:36:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.36 Mbit/s

95th percentile per-packet one-way delay: 50.668 ms

Loss rate: 14.59%

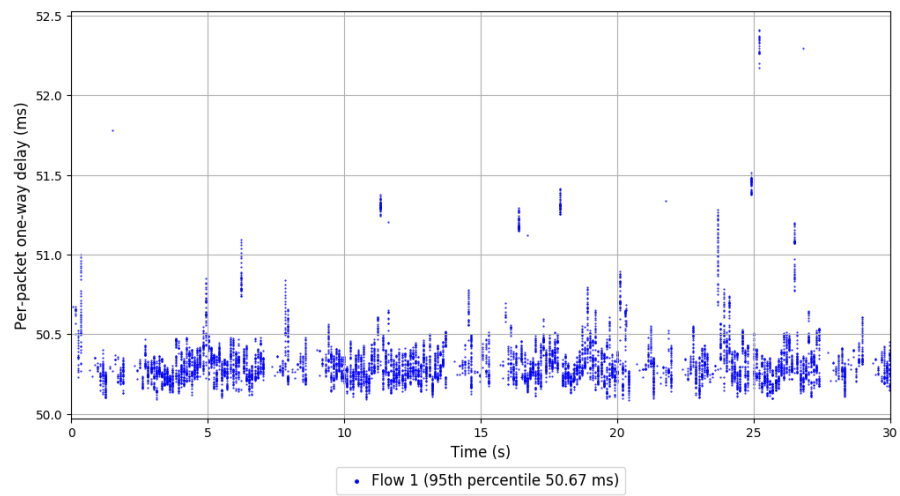
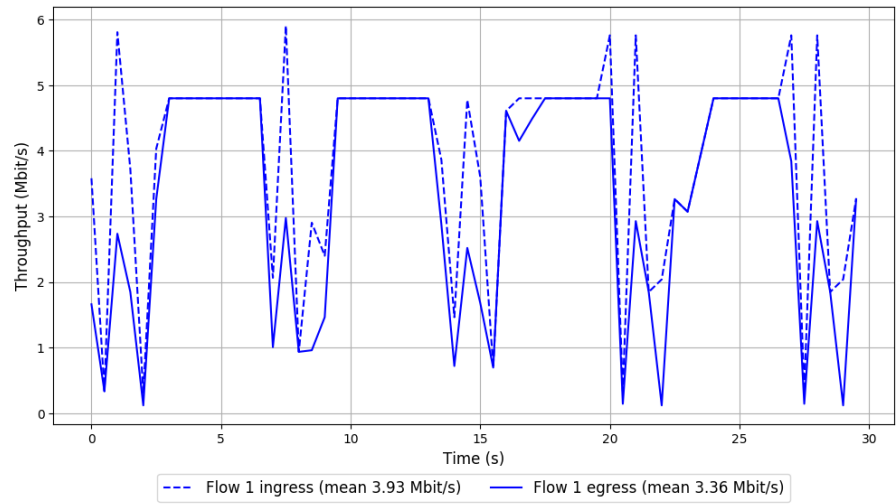
-- Flow 1:

Average throughput: 3.36 Mbit/s

95th percentile per-packet one-way delay: 50.668 ms

Loss rate: 14.59%

Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 14:41:04 +0000

End at: Sun, 06 Aug 2017 14:41:34 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:36:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 39.97 Mbit/s

95th percentile per-packet one-way delay: 53.925 ms

Loss rate: 30.73%

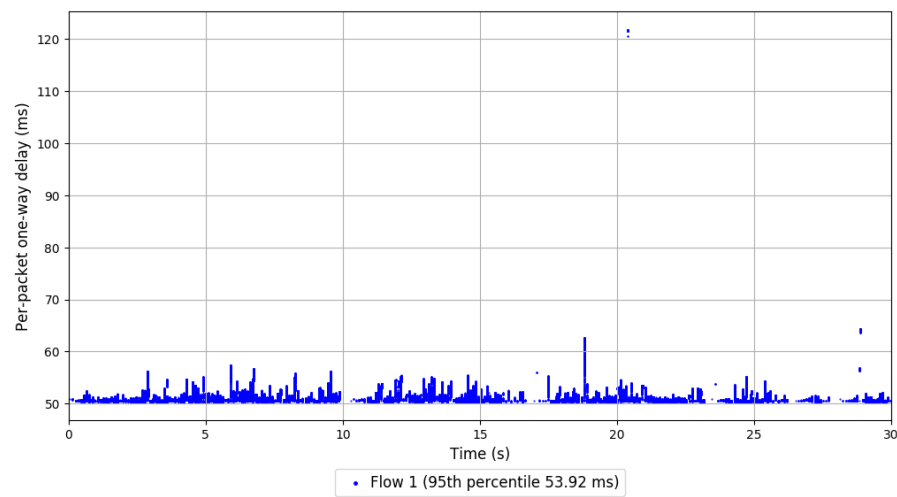
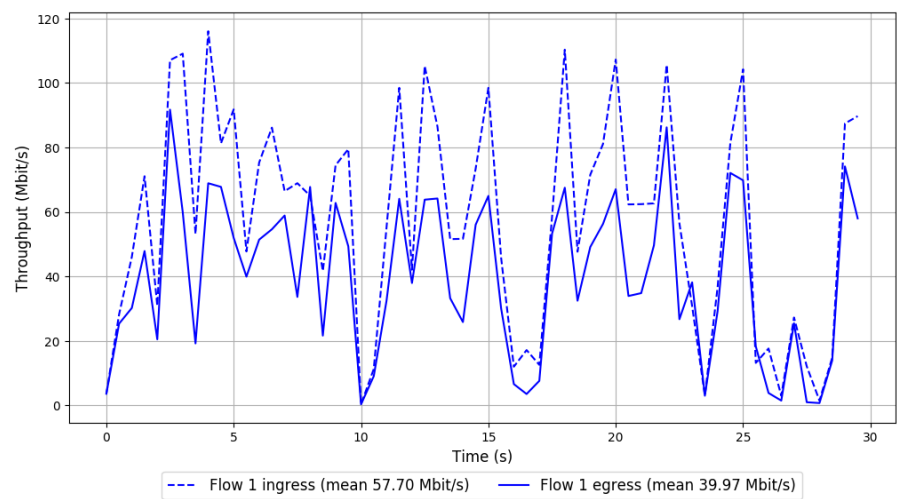
-- Flow 1:

Average throughput: 39.97 Mbit/s

95th percentile per-packet one-way delay: 53.925 ms

Loss rate: 30.73%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 14:51:12 +0000

End at: Sun, 06 Aug 2017 14:51:42 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:36:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.49 Mbit/s

95th percentile per-packet one-way delay: 52.004 ms

Loss rate: 37.57%

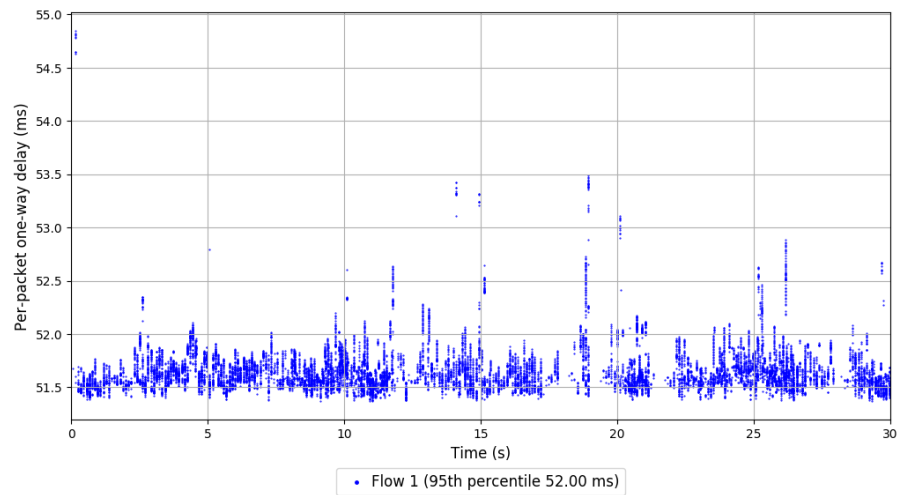
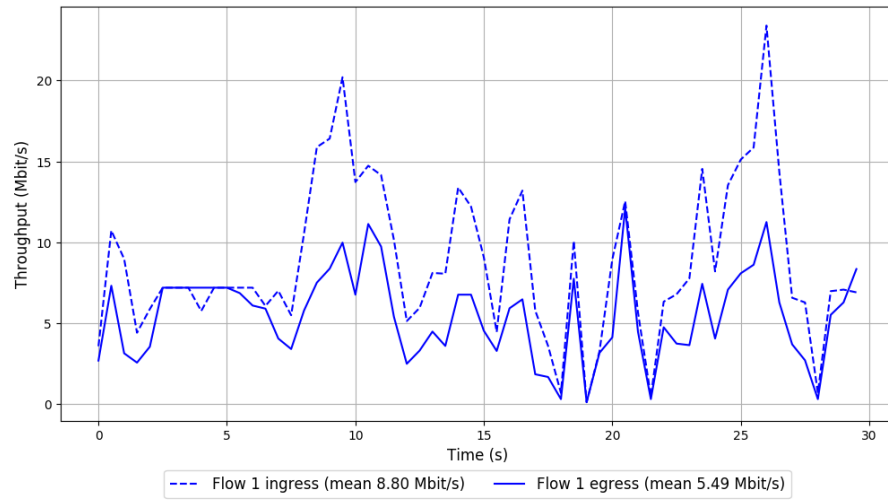
-- Flow 1:

Average throughput: 5.49 Mbit/s

95th percentile per-packet one-way delay: 52.004 ms

Loss rate: 37.57%

Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 15:00:57 +0000

End at: Sun, 06 Aug 2017 15:01:27 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:36:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.57 Mbit/s

95th percentile per-packet one-way delay: 52.574 ms

Loss rate: 33.02%

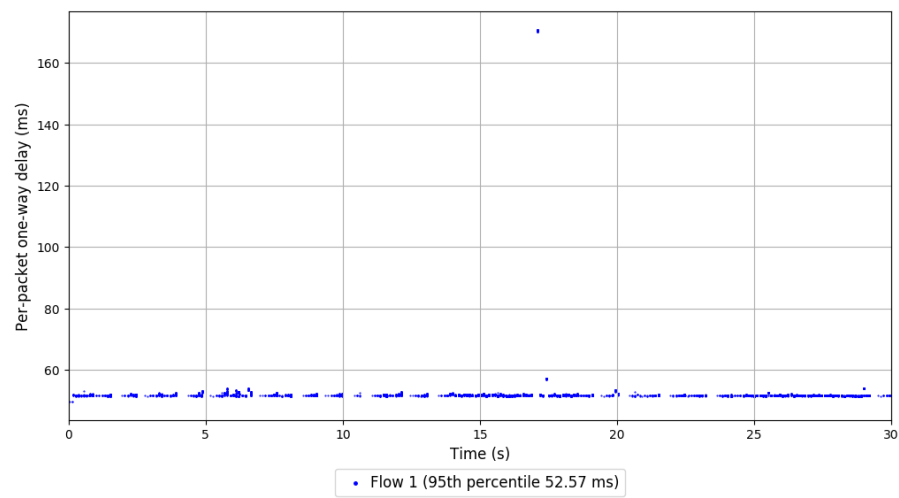
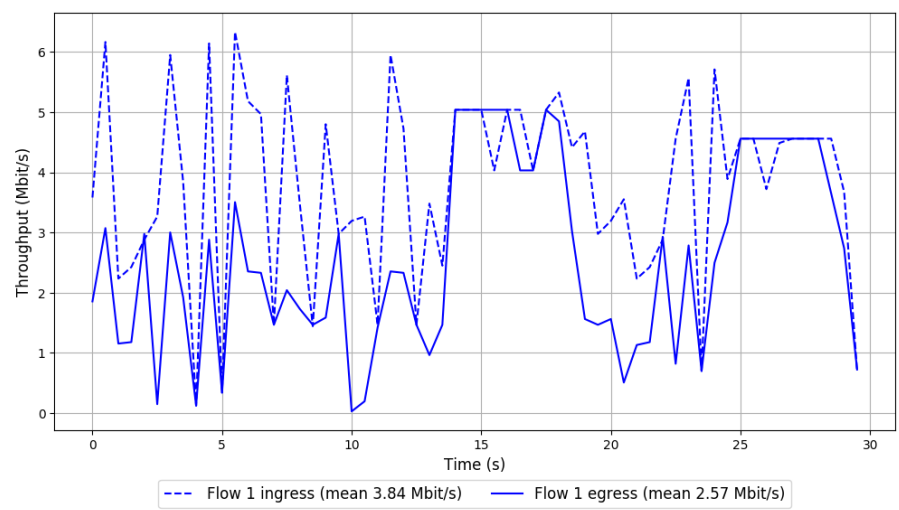
-- Flow 1:

Average throughput: 2.57 Mbit/s

95th percentile per-packet one-way delay: 52.574 ms

Loss rate: 33.02%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 15:11:04 +0000

End at: Sun, 06 Aug 2017 15:11:34 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:36:39 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 33.21 Mbit/s

95th percentile per-packet one-way delay: 57.916 ms

Loss rate: 27.39%

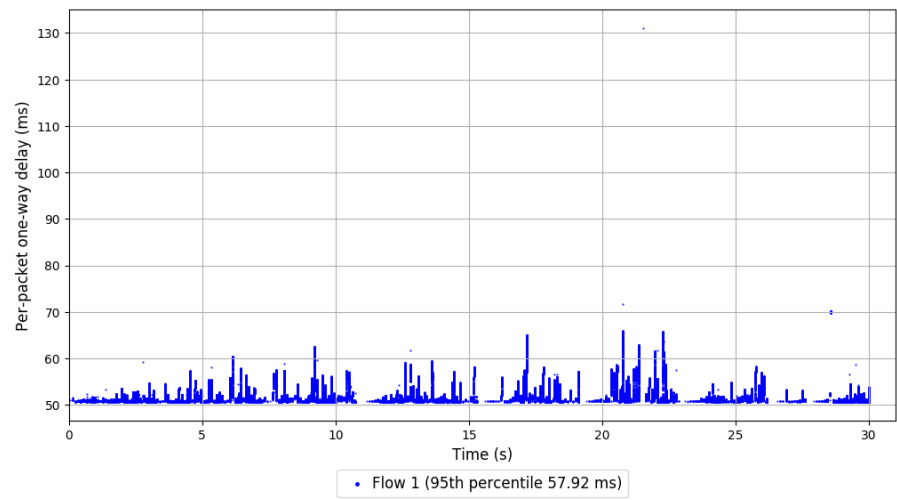
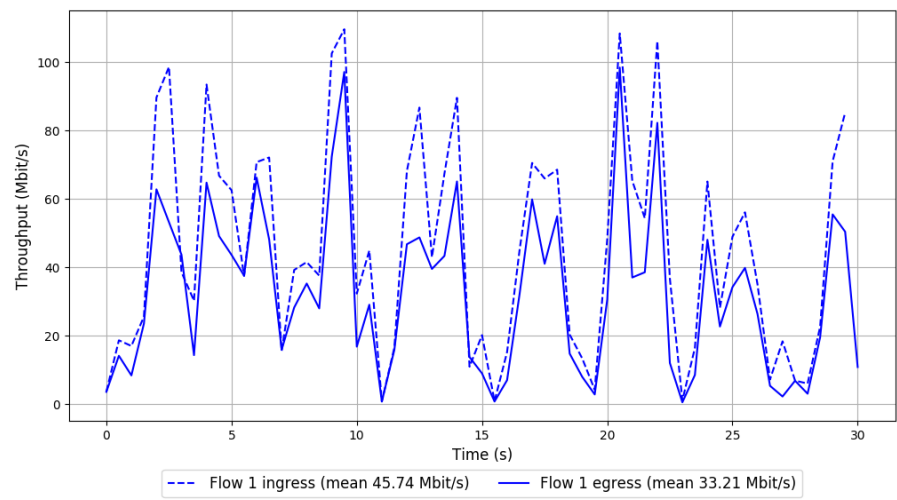
-- Flow 1:

Average throughput: 33.21 Mbit/s

95th percentile per-packet one-way delay: 57.916 ms

Loss rate: 27.39%

Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Sun, 06 Aug 2017 15:20:58 +0000

End at: Sun, 06 Aug 2017 15:21:28 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:37:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 97.03 Mbit/s

95th percentile per-packet one-way delay: 60.557 ms

Loss rate: 2.79%

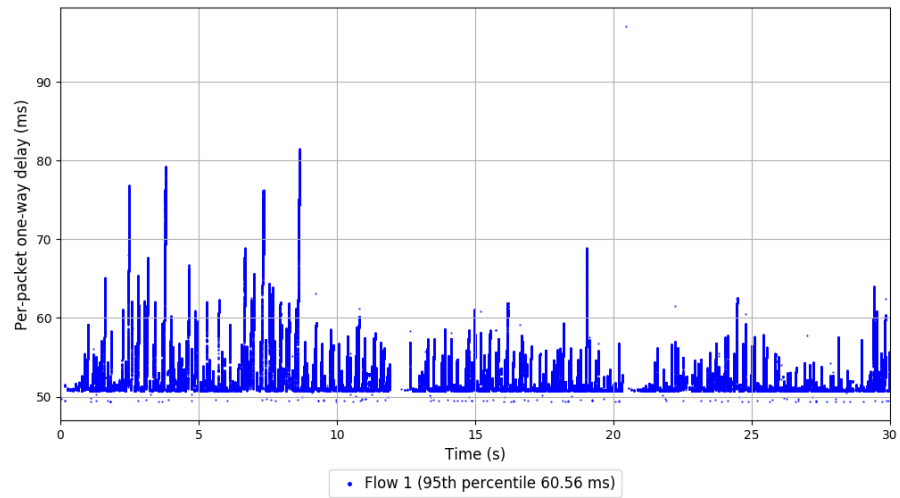
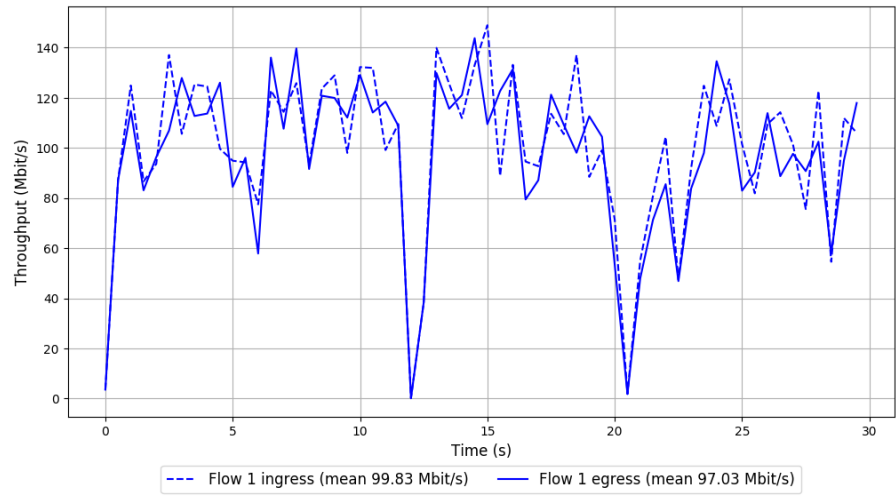
-- Flow 1:

Average throughput: 97.03 Mbit/s

95th percentile per-packet one-way delay: 60.557 ms

Loss rate: 2.79%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 13:56:17 +0000

End at: Sun, 06 Aug 2017 13:56:47 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:37:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.54 Mbit/s

95th percentile per-packet one-way delay: 51.873 ms

Loss rate: 67.05%

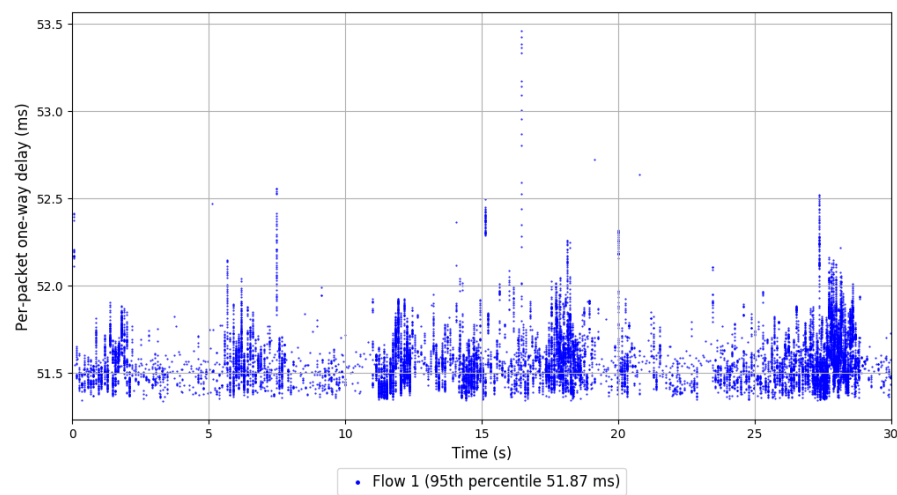
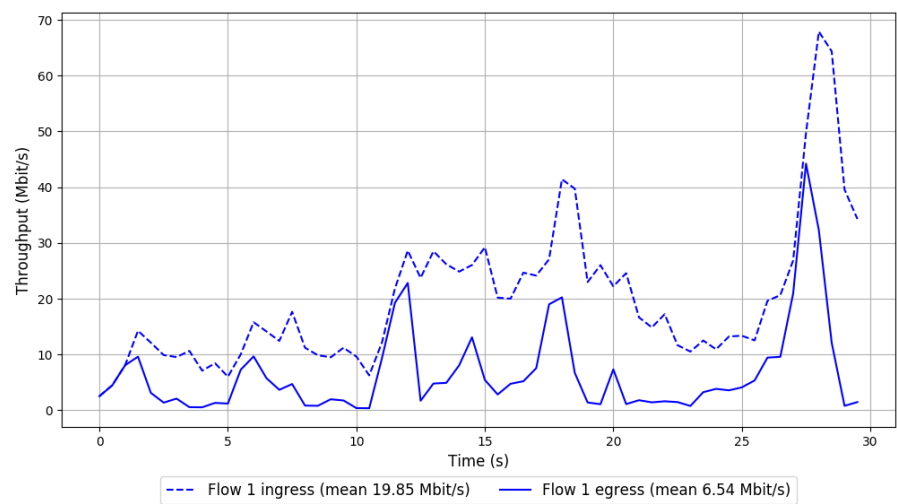
-- Flow 1:

Average throughput: 6.54 Mbit/s

95th percentile per-packet one-way delay: 51.873 ms

Loss rate: 67.05%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

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

End at: Sun, 06 Aug 2017 14:06:35 +0000

Run 2: Report of CalibratedKoho — Data Link

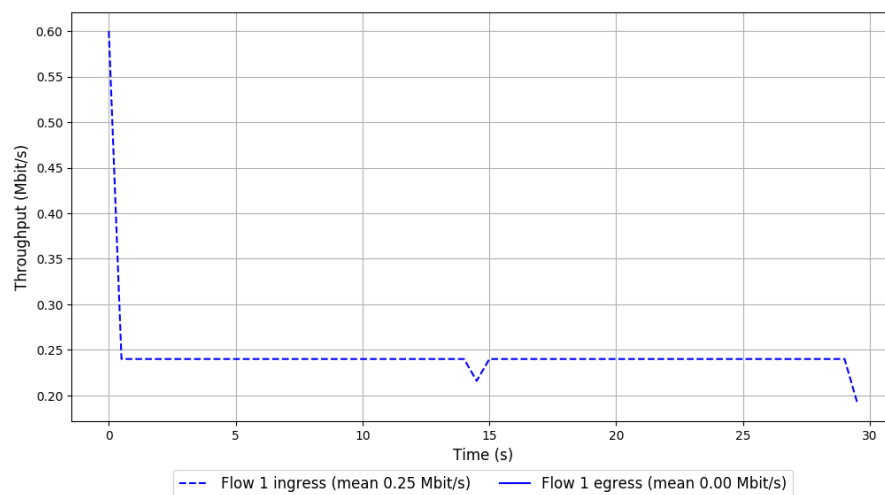


Figure is missing

Run 3: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 14:16:20 +0000

End at: Sun, 06 Aug 2017 14:16:50 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:37:01 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 16.84 Mbit/s

95th percentile per-packet one-way delay: 51.566 ms

Loss rate: 68.97%

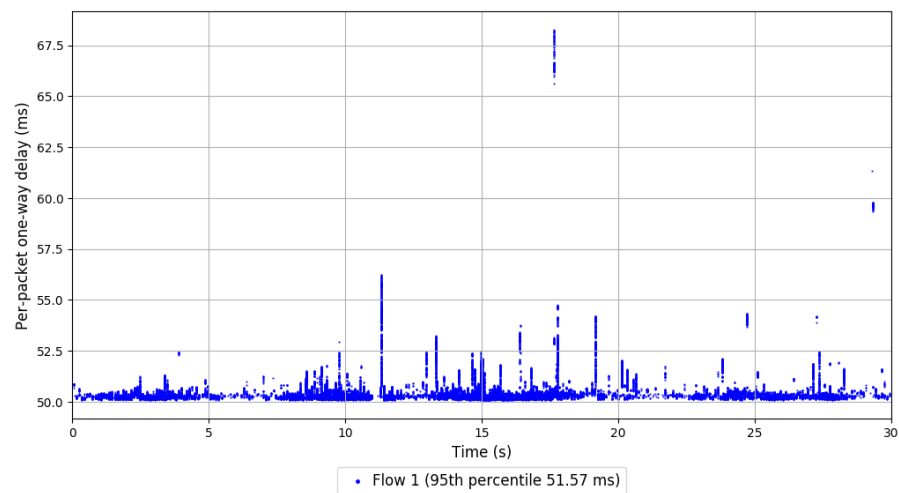
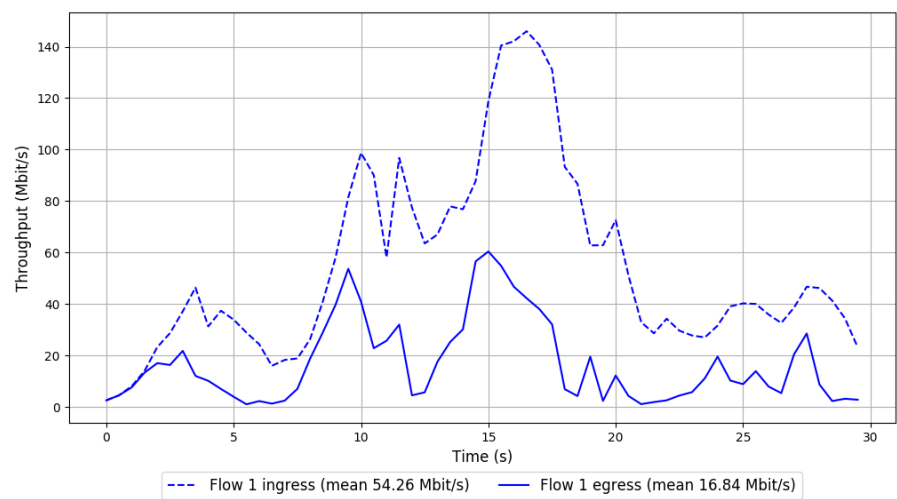
-- Flow 1:

Average throughput: 16.84 Mbit/s

95th percentile per-packet one-way delay: 51.566 ms

Loss rate: 68.97%

Run 3: Report of CalibratedKoho — Data Link

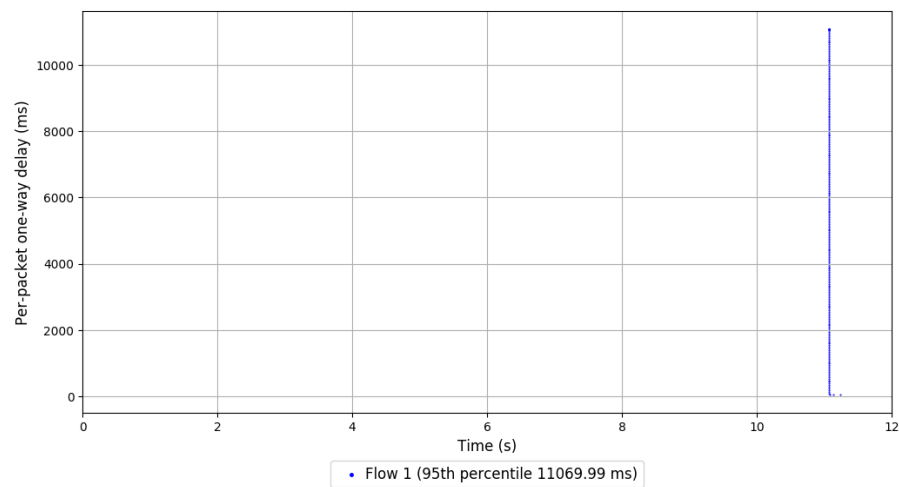
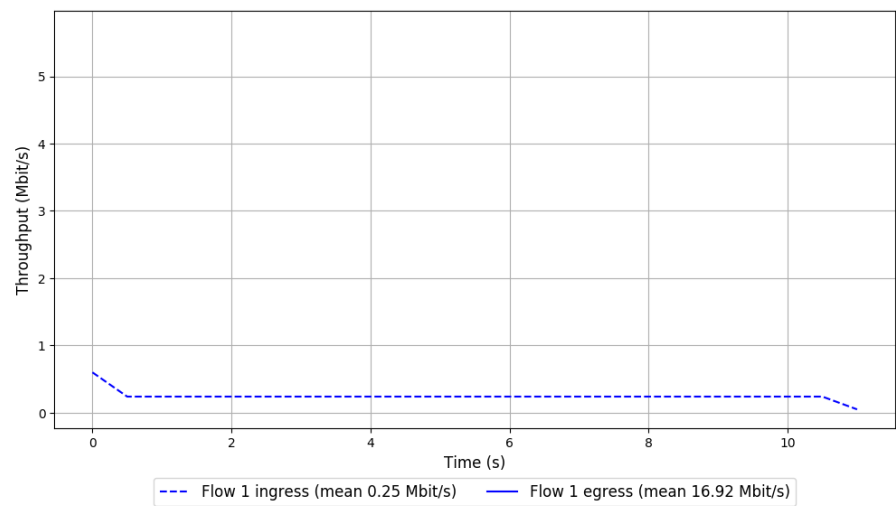


Run 4: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 14:26:12 +0000

End at: Sun, 06 Aug 2017 14:26:42 +0000

Run 4: Report of CalibratedKoho — Data Link

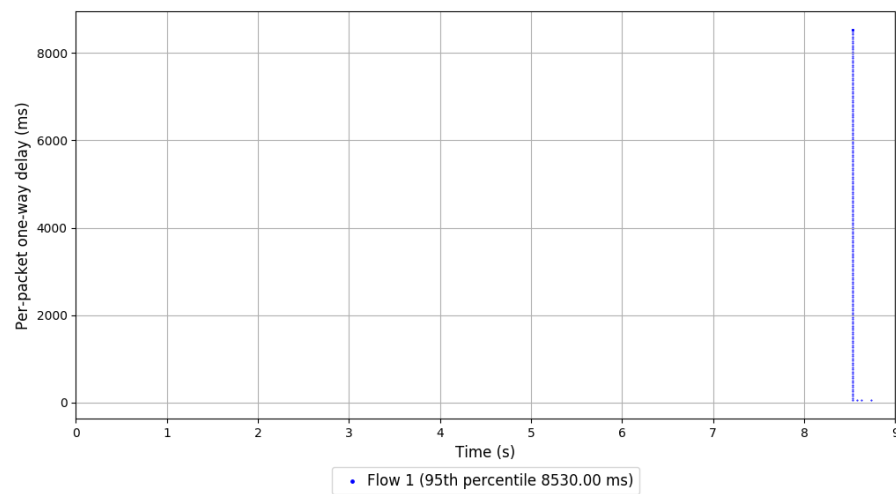
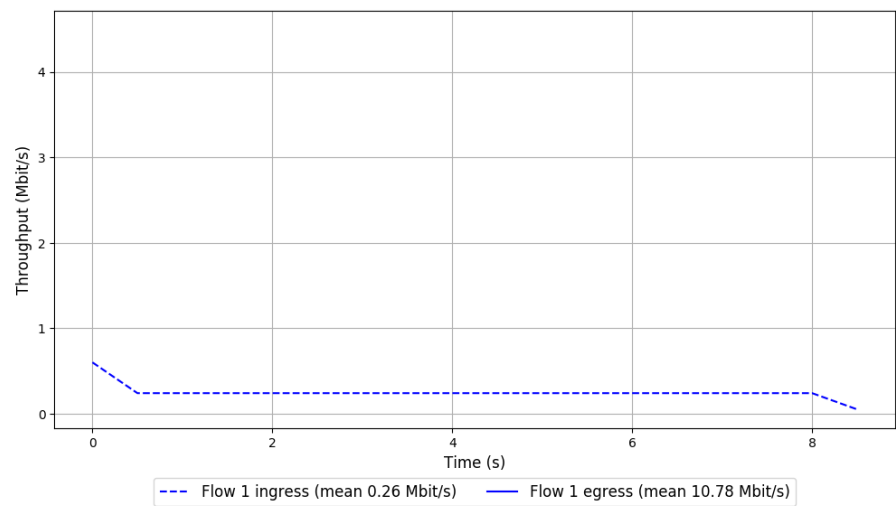


Run 5: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 14:36:01 +0000

End at: Sun, 06 Aug 2017 14:36:31 +0000

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 14:46:03 +0000

End at: Sun, 06 Aug 2017 14:46:33 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:37:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 55.51 Mbit/s

95th percentile per-packet one-way delay: 55.473 ms

Loss rate: 62.84%

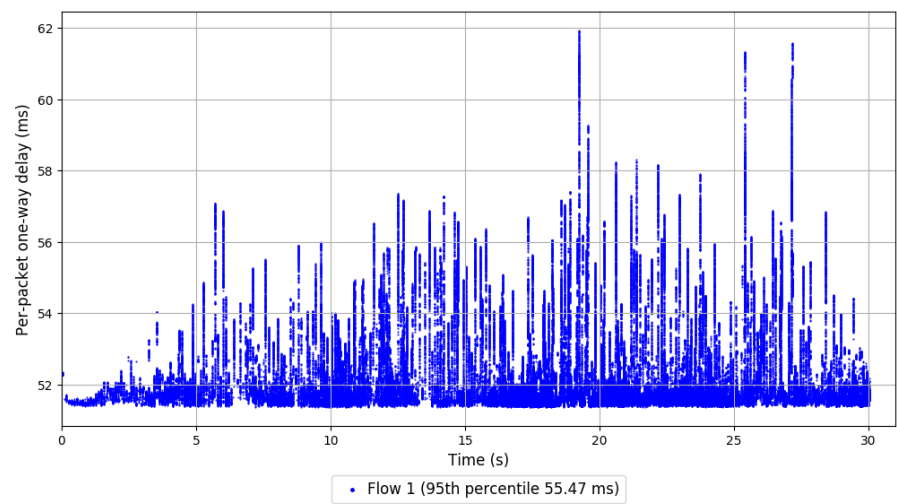
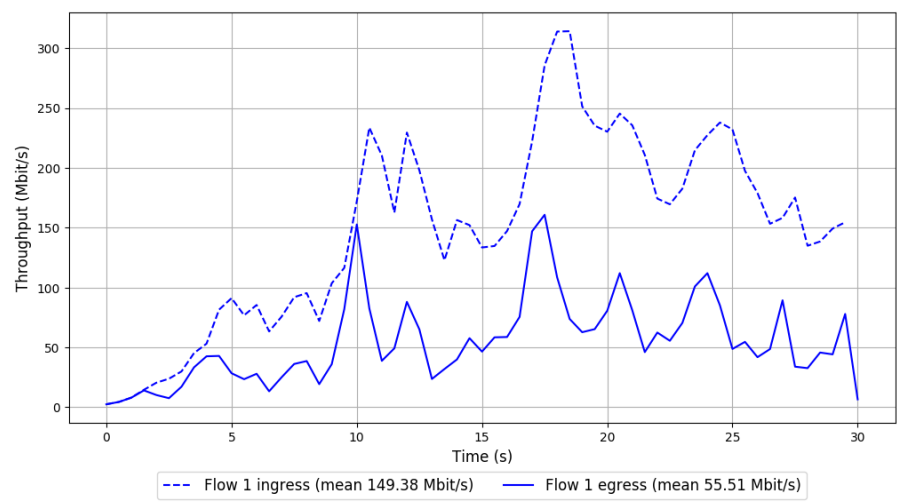
-- Flow 1:

Average throughput: 55.51 Mbit/s

95th percentile per-packet one-way delay: 55.473 ms

Loss rate: 62.84%

Run 6: Report of CalibratedKoho — Data Link

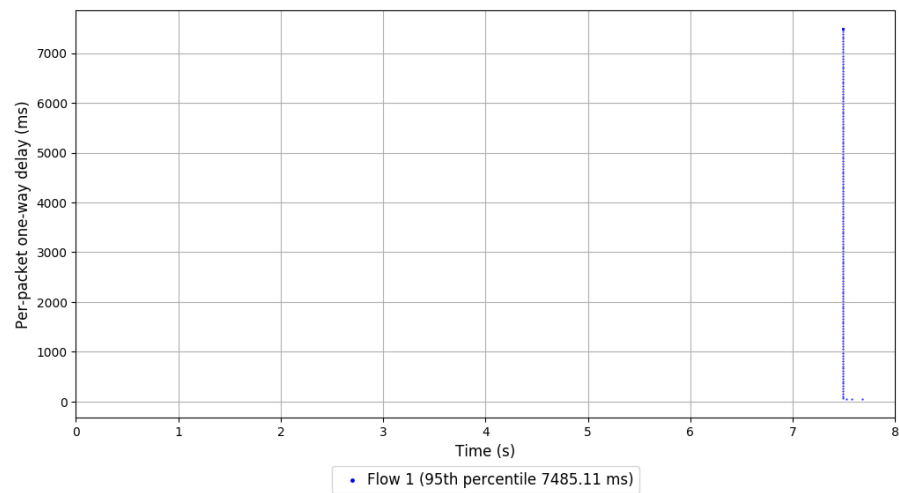
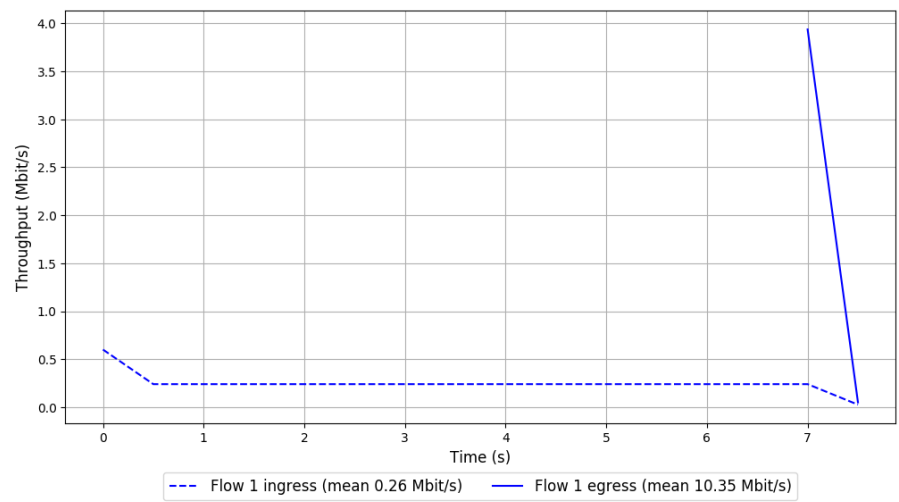


Run 7: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 14:55:53 +0000

End at: Sun, 06 Aug 2017 14:56:23 +0000

Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 15:05:47 +0000

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

Below is generated by plot.py at Sun, 06 Aug 2017 16:37:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.19 Mbit/s

95th percentile per-packet one-way delay: 52.774 ms

Loss rate: 70.38%

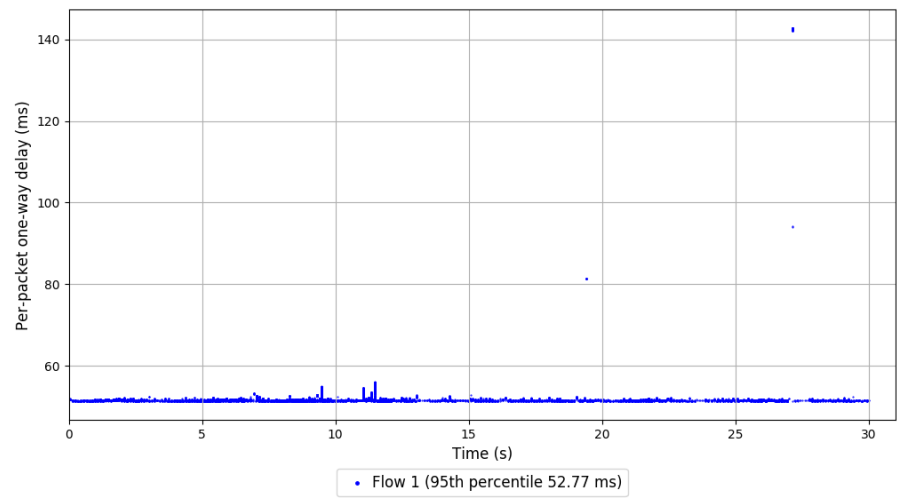
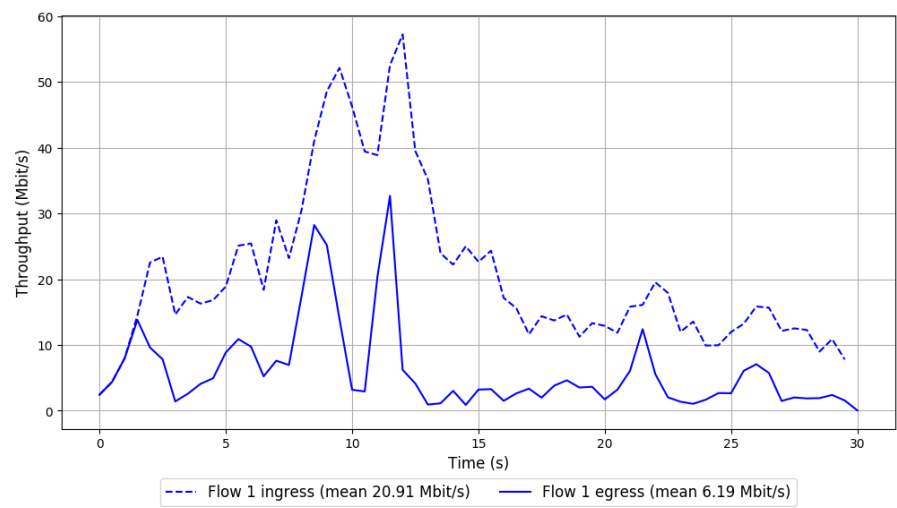
-- Flow 1:

Average throughput: 6.19 Mbit/s

95th percentile per-packet one-way delay: 52.774 ms

Loss rate: 70.38%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 15:15:51 +0000

End at: Sun, 06 Aug 2017 15:16:21 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:37:07 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.86 Mbit/s

95th percentile per-packet one-way delay: 52.955 ms

Loss rate: 70.44%

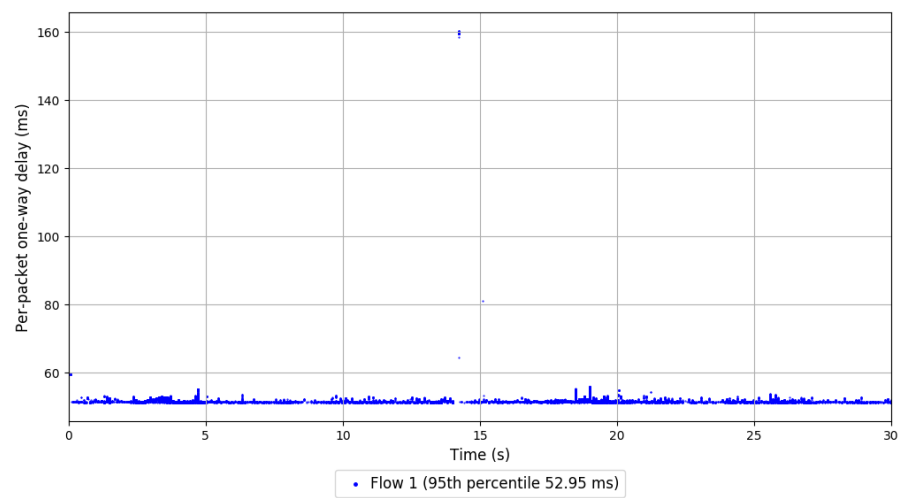
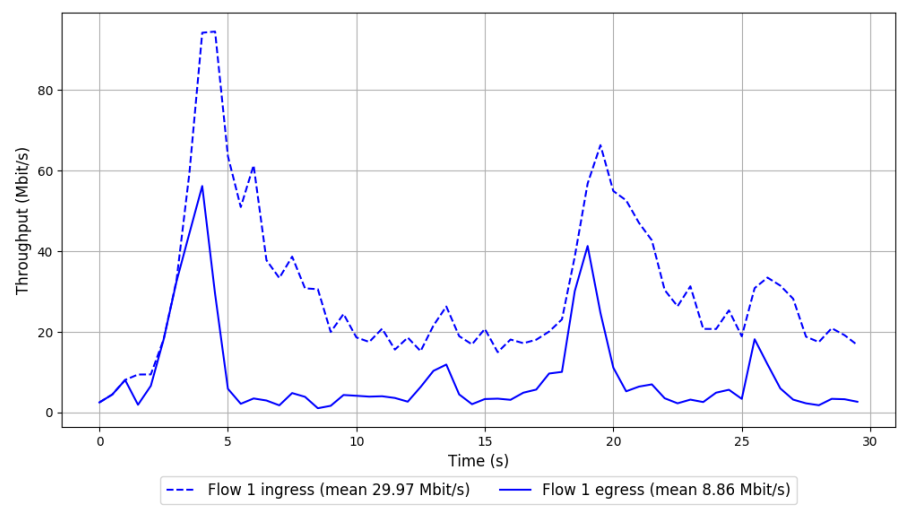
-- Flow 1:

Average throughput: 8.86 Mbit/s

95th percentile per-packet one-way delay: 52.955 ms

Loss rate: 70.44%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Sun, 06 Aug 2017 15:25:43 +0000

End at: Sun, 06 Aug 2017 15:26:13 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:37:19 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 72.30 Mbit/s

95th percentile per-packet one-way delay: 71.257 ms

Loss rate: 26.54%

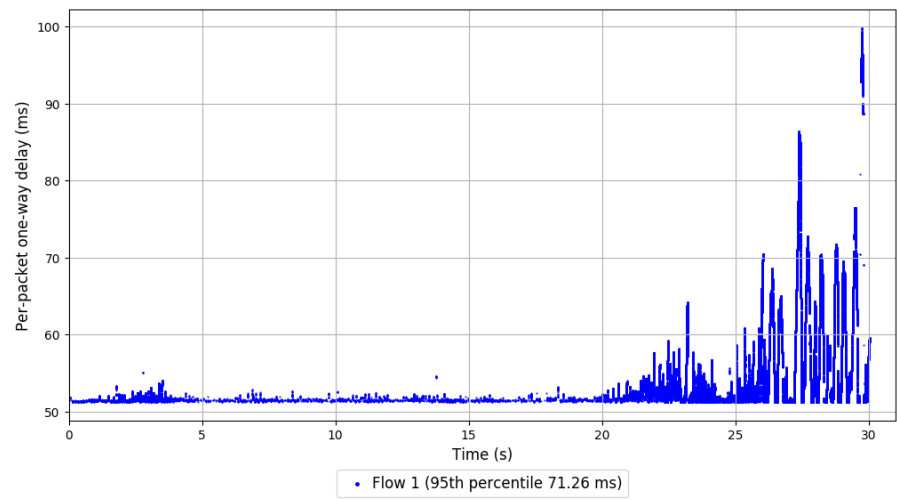
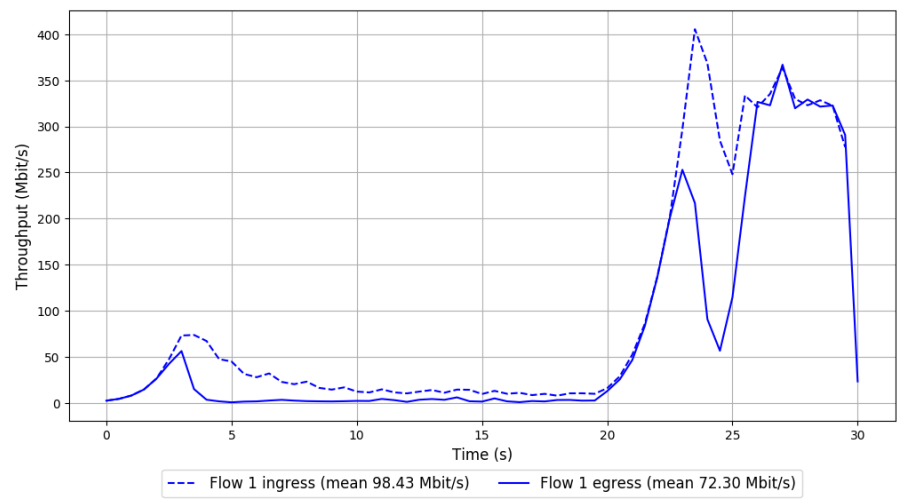
-- Flow 1:

Average throughput: 72.30 Mbit/s

95th percentile per-packet one-way delay: 71.257 ms

Loss rate: 26.54%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Sun, 06 Aug 2017 13:52:26 +0000

End at: Sun, 06 Aug 2017 13:52:56 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:37:49 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 120.33 Mbit/s

95th percentile per-packet one-way delay: 50.878 ms

Loss rate: 0.30%

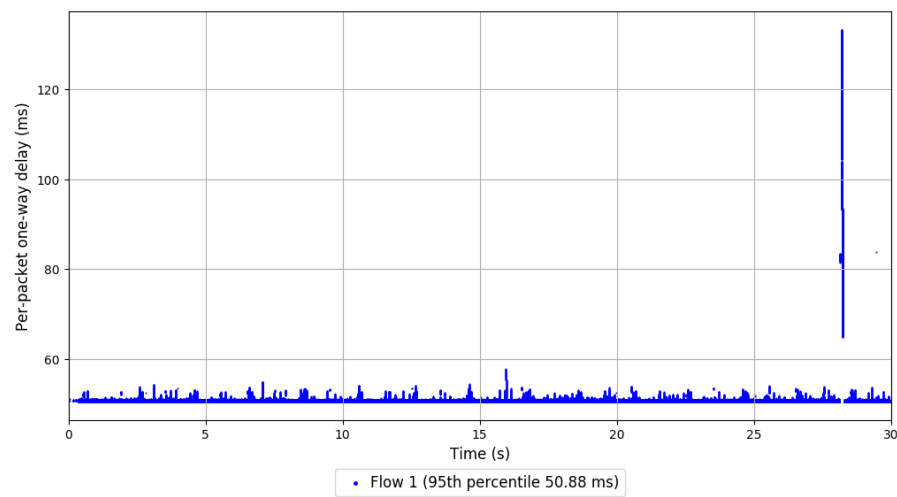
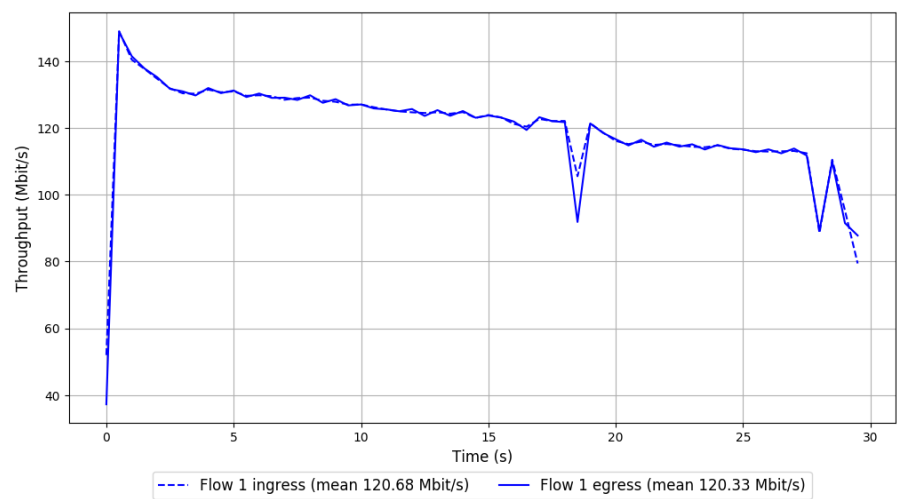
-- Flow 1:

Average throughput: 120.33 Mbit/s

95th percentile per-packet one-way delay: 50.878 ms

Loss rate: 0.30%

Run 1: Report of Copa — Data Link

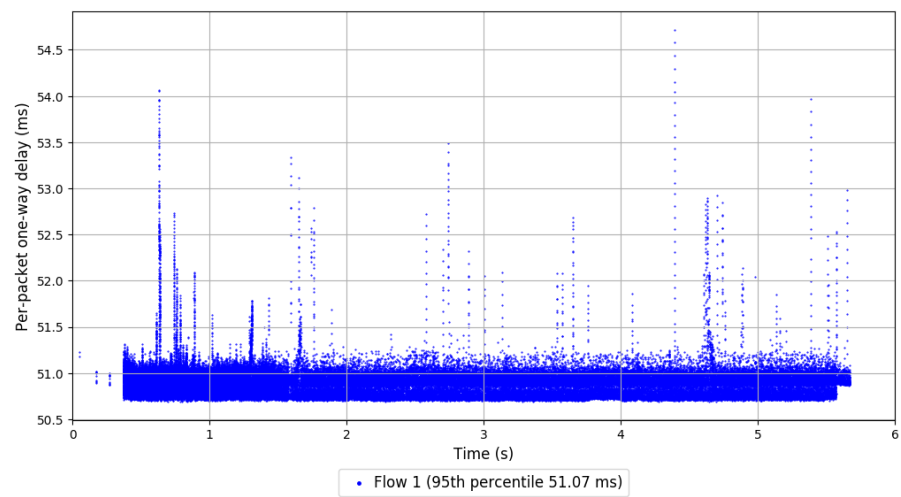
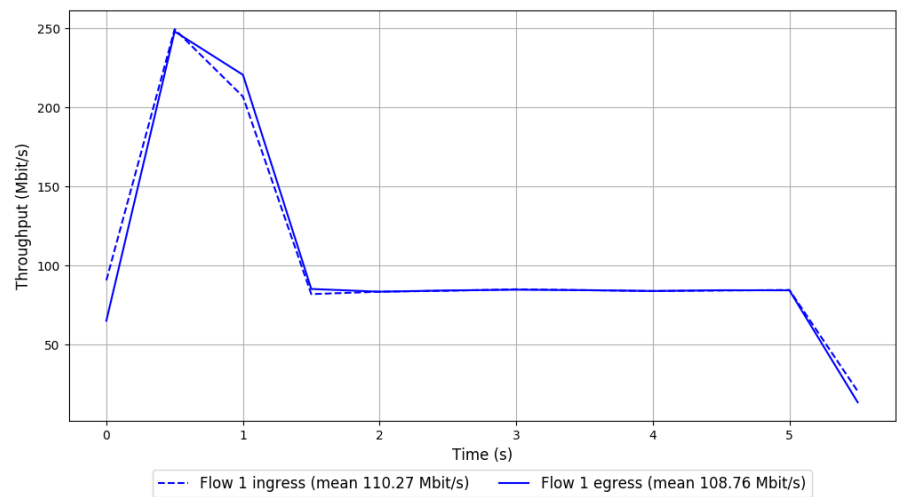


Run 2: Statistics of Copa

Start at: Sun, 06 Aug 2017 14:02:39 +0000

End at: Sun, 06 Aug 2017 14:03:09 +0000

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Sun, 06 Aug 2017 14:12:30 +0000

End at: Sun, 06 Aug 2017 14:13:00 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:38:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 132.84 Mbit/s

95th percentile per-packet one-way delay: 50.804 ms

Loss rate: 0.49%

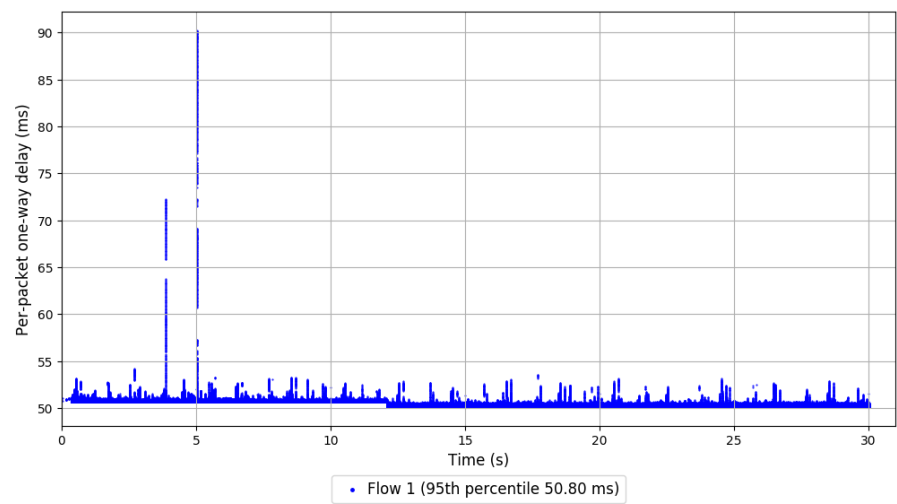
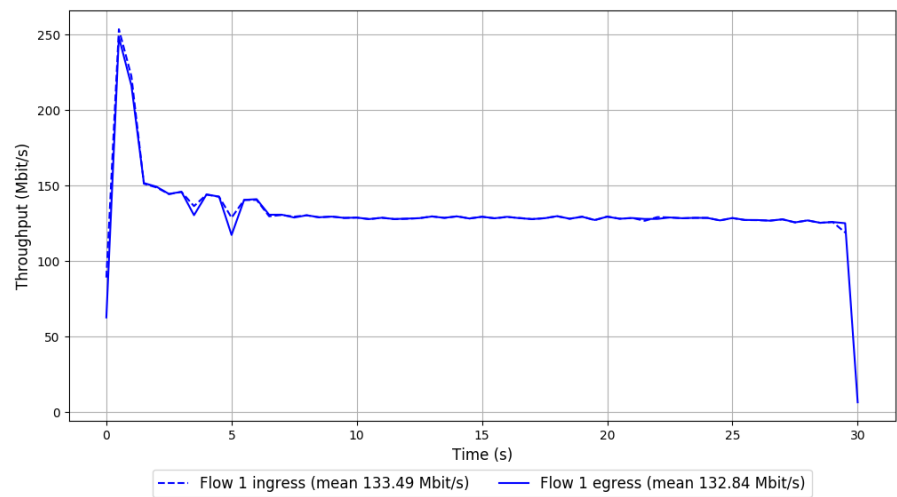
-- Flow 1:

Average throughput: 132.84 Mbit/s

95th percentile per-packet one-way delay: 50.804 ms

Loss rate: 0.49%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Sun, 06 Aug 2017 14:22:41 +0000

End at: Sun, 06 Aug 2017 14:23:11 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:38:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 107.57 Mbit/s

95th percentile per-packet one-way delay: 51.480 ms

Loss rate: 0.00%

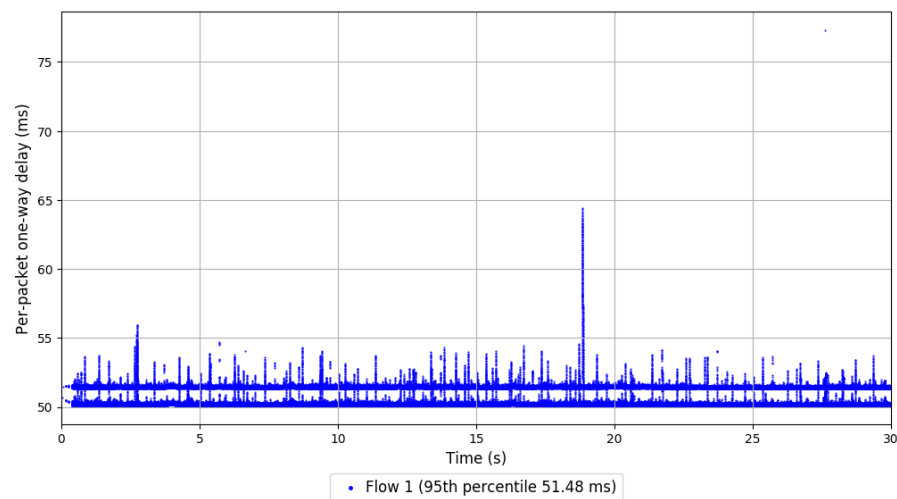
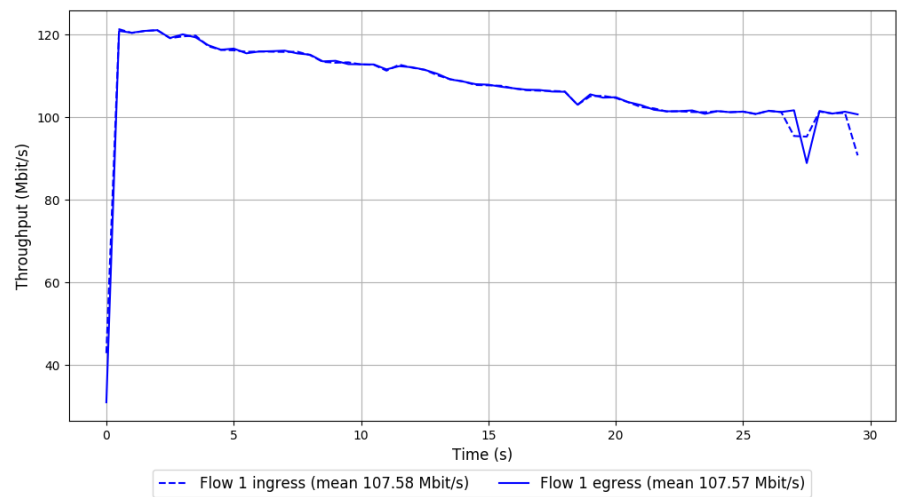
-- Flow 1:

Average throughput: 107.57 Mbit/s

95th percentile per-packet one-way delay: 51.480 ms

Loss rate: 0.00%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Sun, 06 Aug 2017 14:32:32 +0000

End at: Sun, 06 Aug 2017 14:33:02 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:38:53 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 84.80 Mbit/s

95th percentile per-packet one-way delay: 51.005 ms

Loss rate: 0.10%

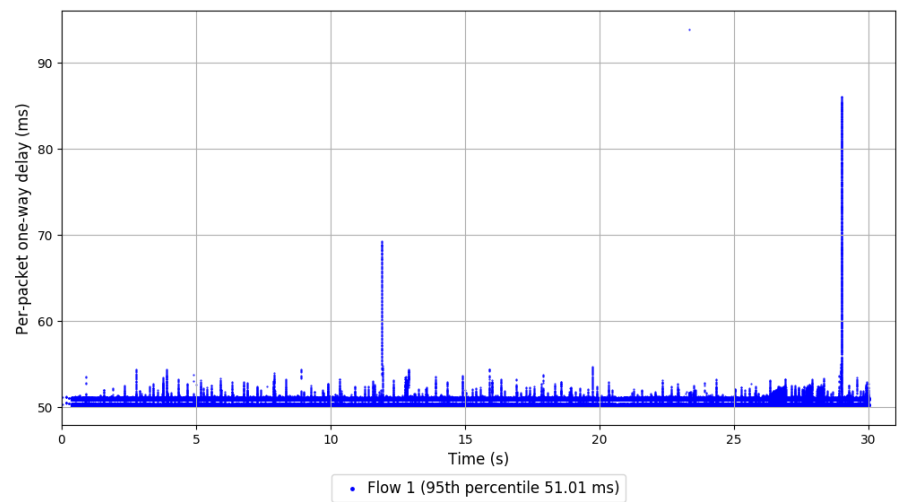
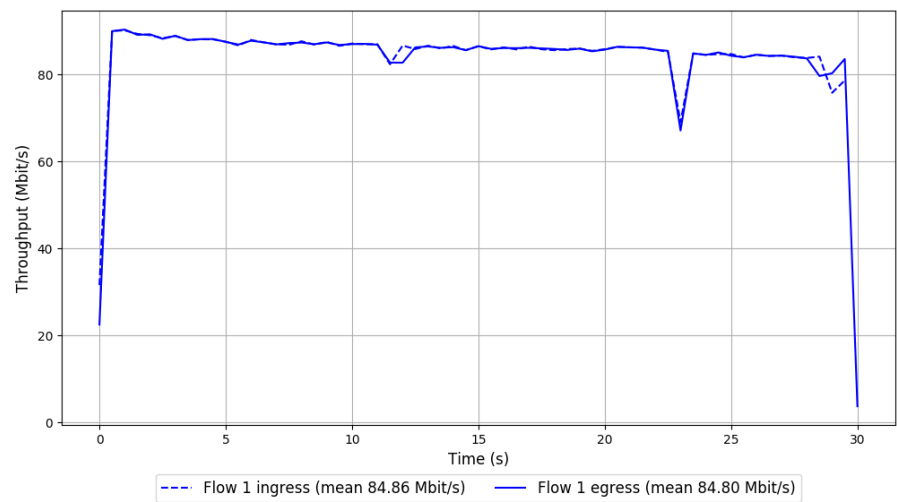
-- Flow 1:

Average throughput: 84.80 Mbit/s

95th percentile per-packet one-way delay: 51.005 ms

Loss rate: 0.10%

Run 5: Report of Copa — Data Link

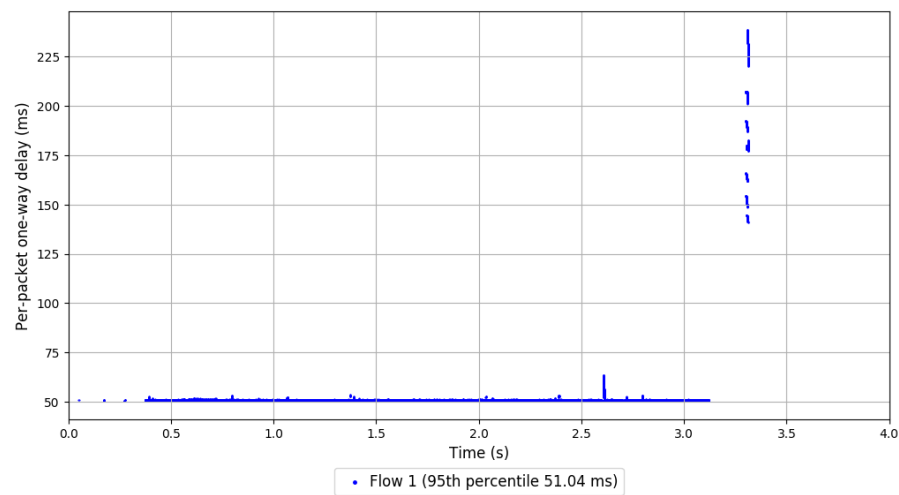
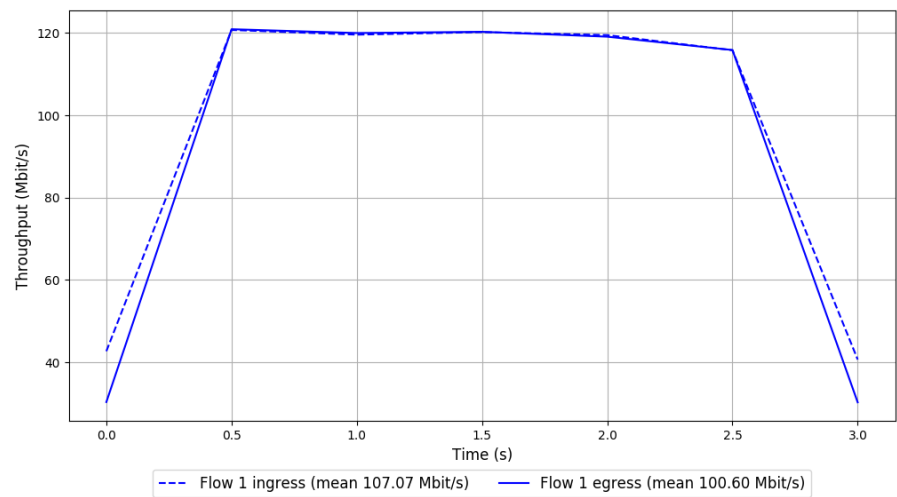


Run 6: Statistics of Copa

Start at: Sun, 06 Aug 2017 14:42:22 +0000

End at: Sun, 06 Aug 2017 14:42:52 +0000

Run 6: Report of Copa — Data Link

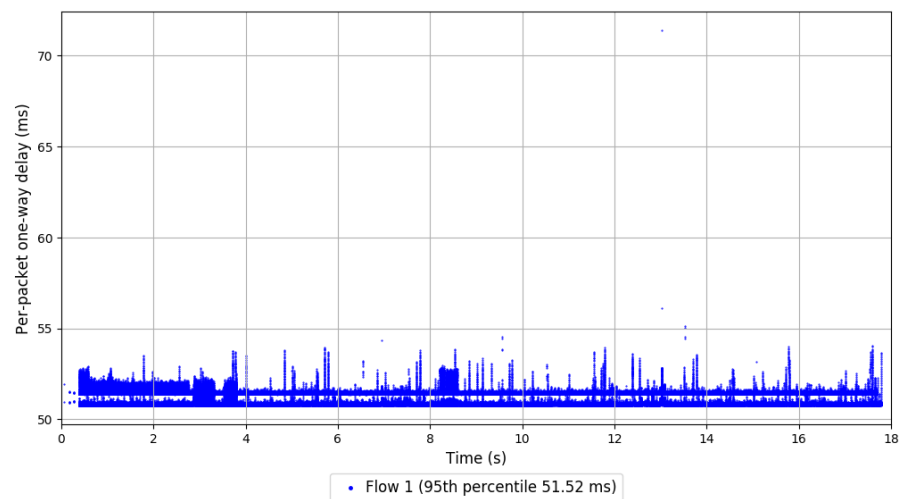
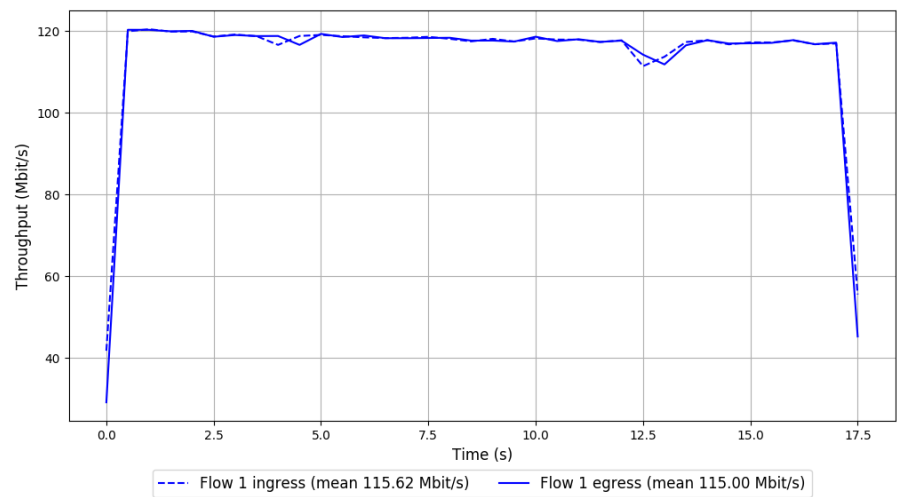


Run 7: Statistics of Copa

Start at: Sun, 06 Aug 2017 14:52:27 +0000

End at: Sun, 06 Aug 2017 14:52:57 +0000

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Sun, 06 Aug 2017 15:02:11 +0000

End at: Sun, 06 Aug 2017 15:02:41 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:39:32 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 102.79 Mbit/s

95th percentile per-packet one-way delay: 51.522 ms

Loss rate: 0.00%

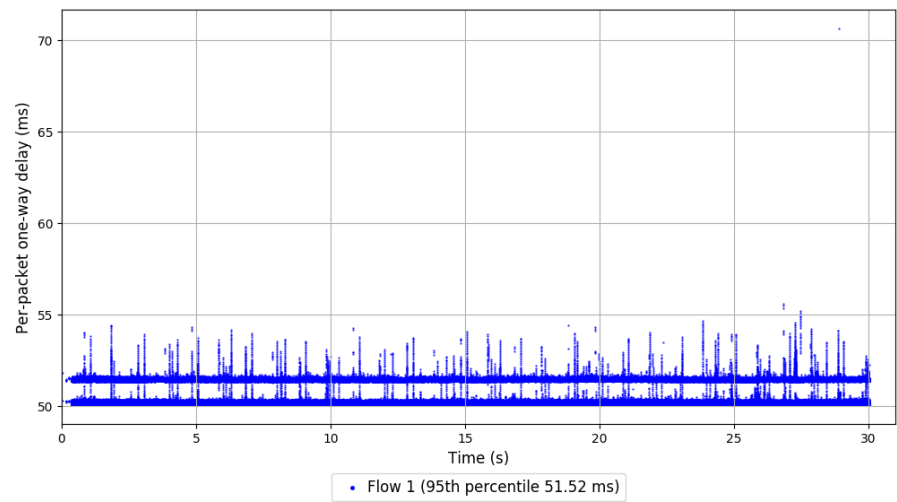
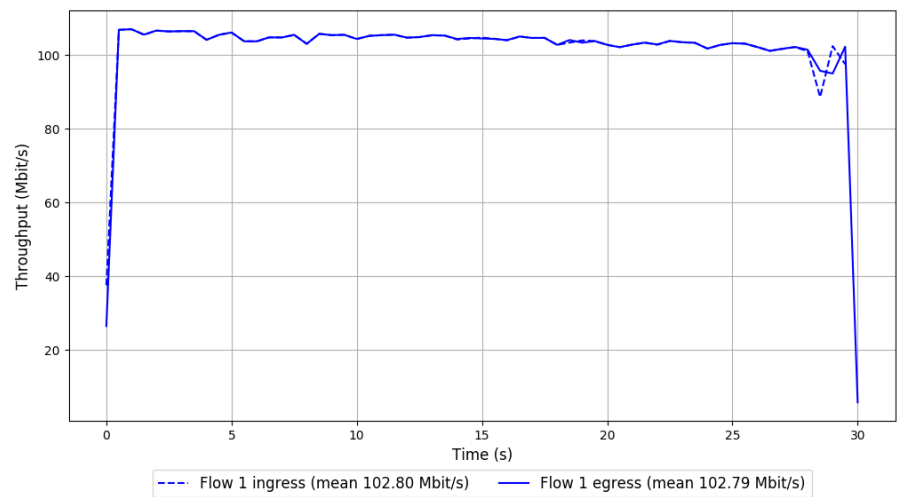
-- Flow 1:

Average throughput: 102.79 Mbit/s

95th percentile per-packet one-way delay: 51.522 ms

Loss rate: 0.00%

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Sun, 06 Aug 2017 15:12:20 +0000

End at: Sun, 06 Aug 2017 15:12:50 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:39:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 117.76 Mbit/s

95th percentile per-packet one-way delay: 51.469 ms

Loss rate: 0.00%

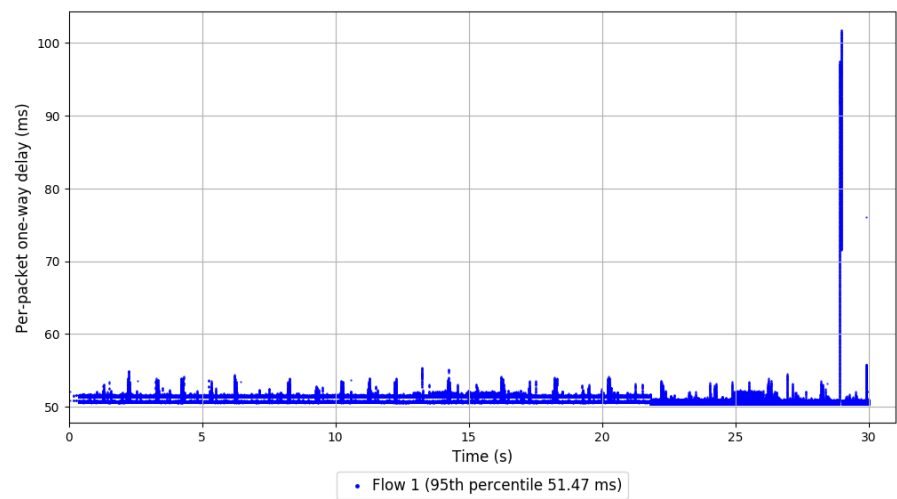
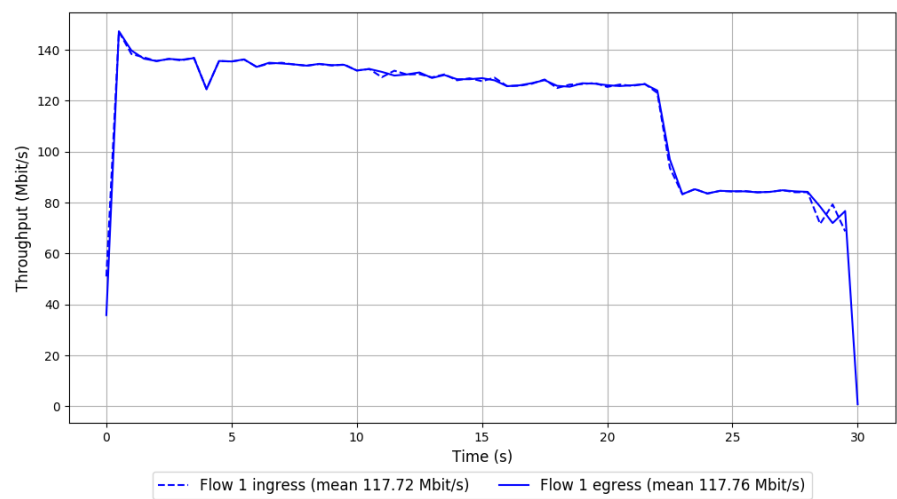
-- Flow 1:

Average throughput: 117.76 Mbit/s

95th percentile per-packet one-way delay: 51.469 ms

Loss rate: 0.00%

Run 9: Report of Copa — Data Link

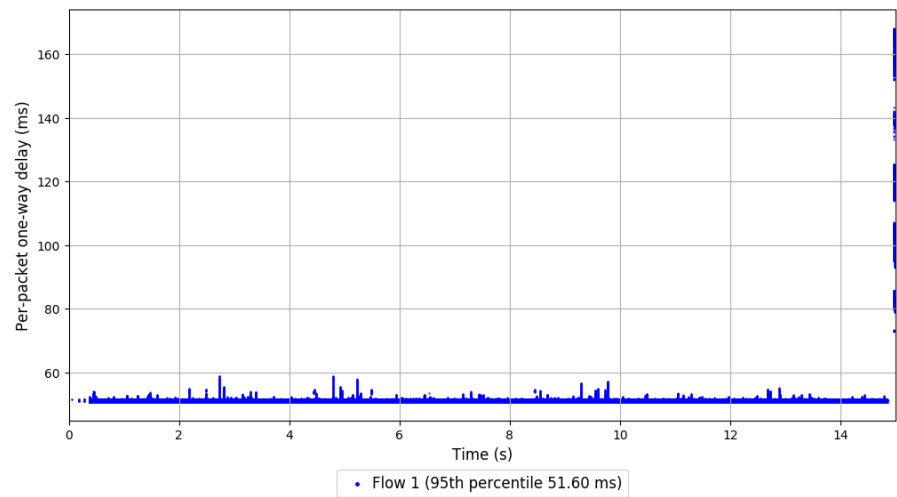
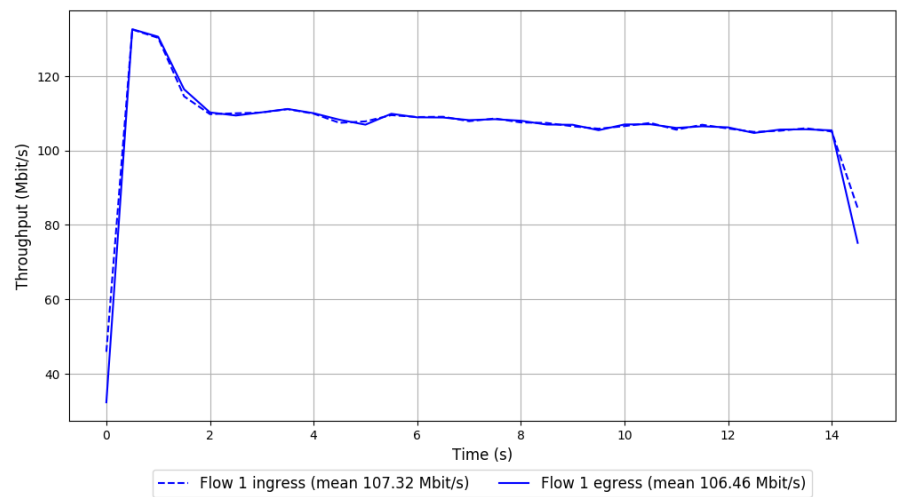


Run 10: Statistics of Copa

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

End at: Sun, 06 Aug 2017 15:22:49 +0000

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 13:48:43 +0000

End at: Sun, 06 Aug 2017 13:49:13 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:39:47 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.20 Mbit/s

95th percentile per-packet one-way delay: 51.184 ms

Loss rate: 1.11%

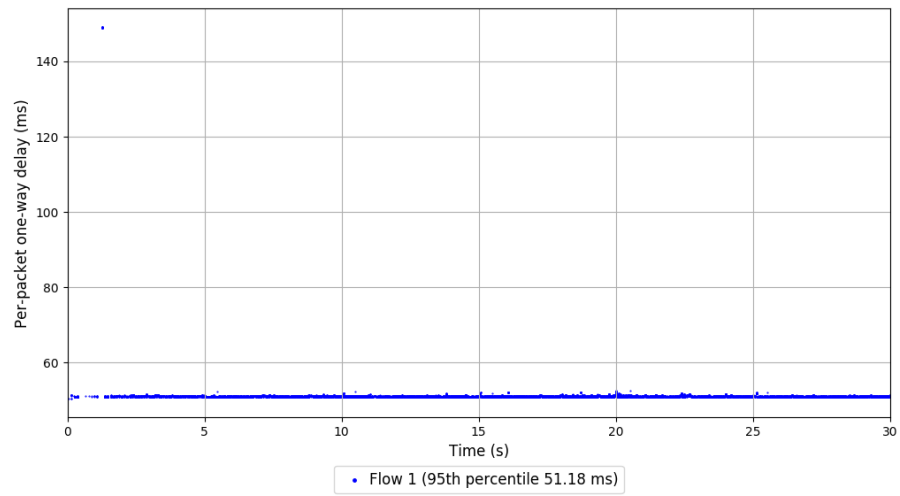
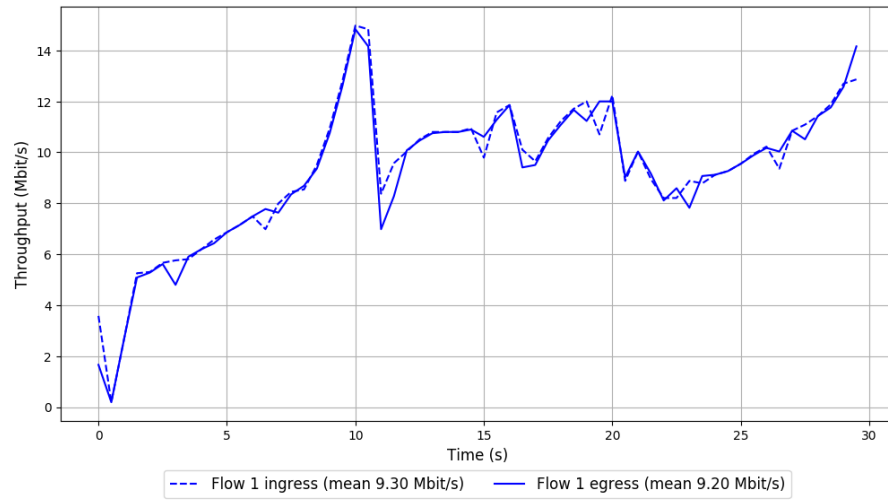
-- Flow 1:

Average throughput: 9.20 Mbit/s

95th percentile per-packet one-way delay: 51.184 ms

Loss rate: 1.11%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 13:58:56 +0000

End at: Sun, 06 Aug 2017 13:59:26 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:39:50 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.31 Mbit/s

95th percentile per-packet one-way delay: 51.123 ms

Loss rate: 1.57%

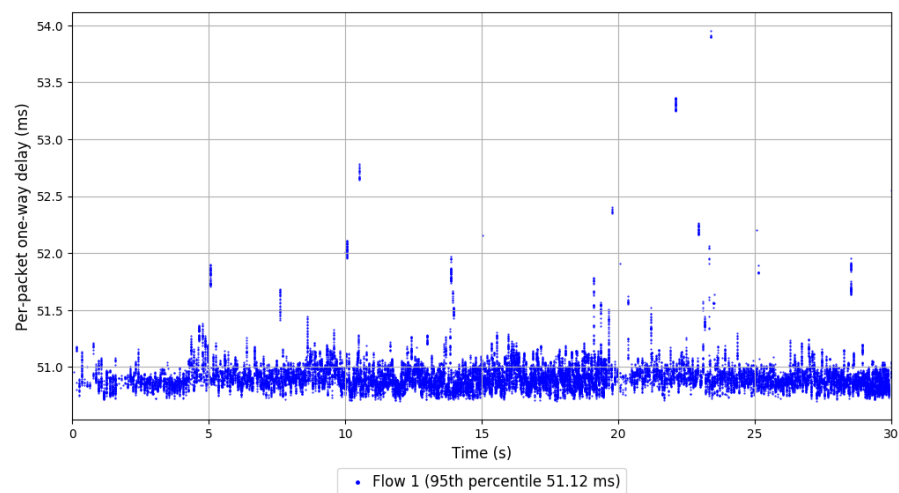
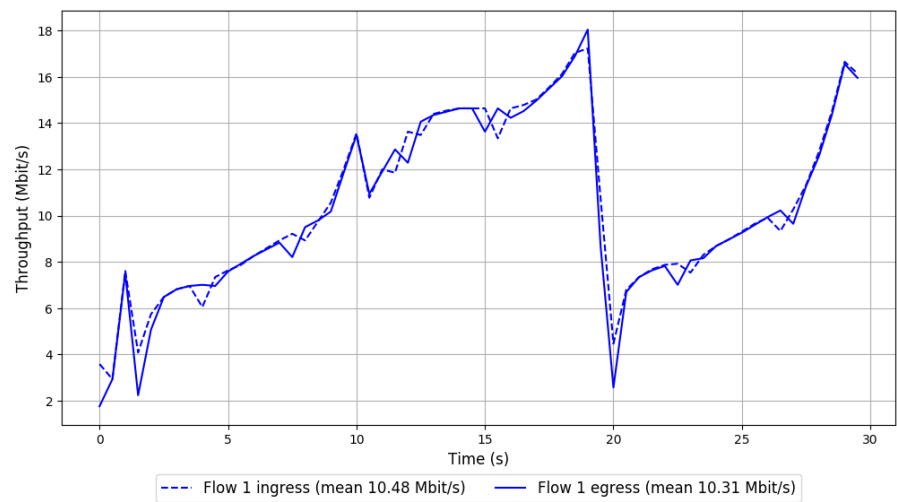
-- Flow 1:

Average throughput: 10.31 Mbit/s

95th percentile per-packet one-way delay: 51.123 ms

Loss rate: 1.57%

Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 14:08:44 +0000

End at: Sun, 06 Aug 2017 14:09:14 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 78.12 Mbit/s

95th percentile per-packet one-way delay: 54.755 ms

Loss rate: 1.04%

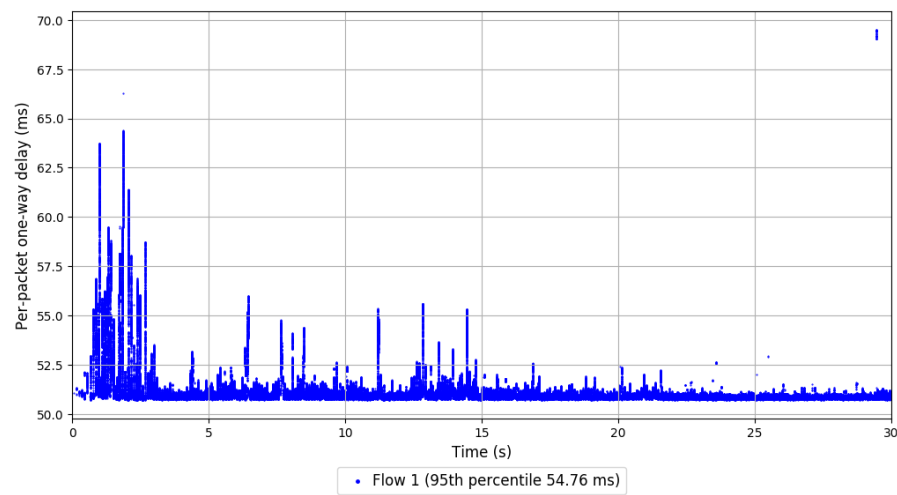
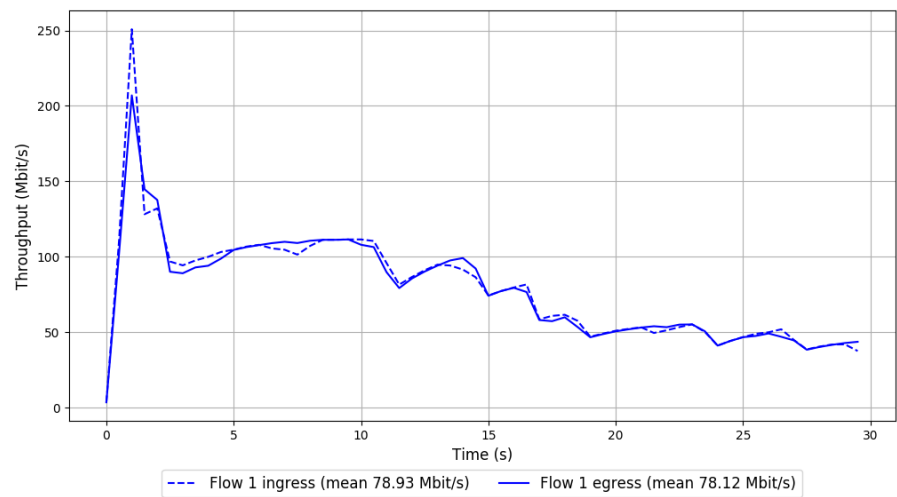
-- Flow 1:

Average throughput: 78.12 Mbit/s

95th percentile per-packet one-way delay: 54.755 ms

Loss rate: 1.04%

Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 14:18:58 +0000

End at: Sun, 06 Aug 2017 14:19:28 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.42 Mbit/s

95th percentile per-packet one-way delay: 51.201 ms

Loss rate: 1.60%

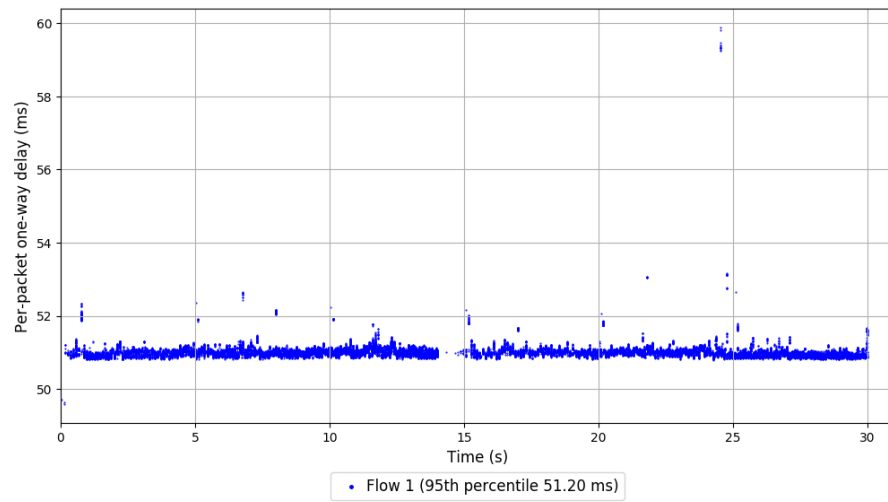
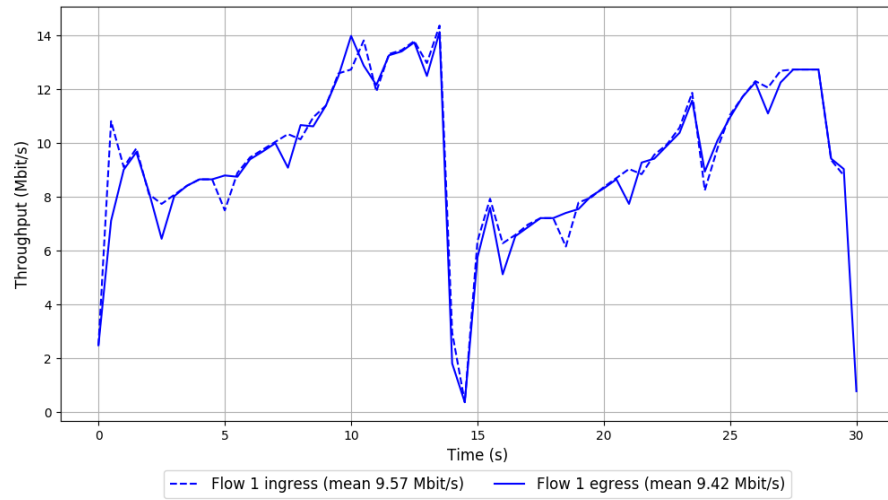
-- Flow 1:

Average throughput: 9.42 Mbit/s

95th percentile per-packet one-way delay: 51.201 ms

Loss rate: 1.60%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 14:28:47 +0000

End at: Sun, 06 Aug 2017 14:29:17 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 14.48 Mbit/s

95th percentile per-packet one-way delay: 51.023 ms

Loss rate: 1.25%

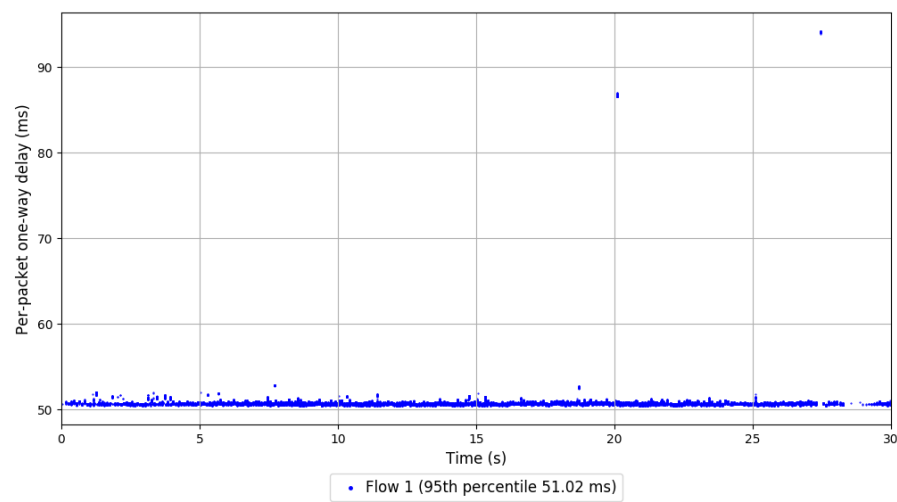
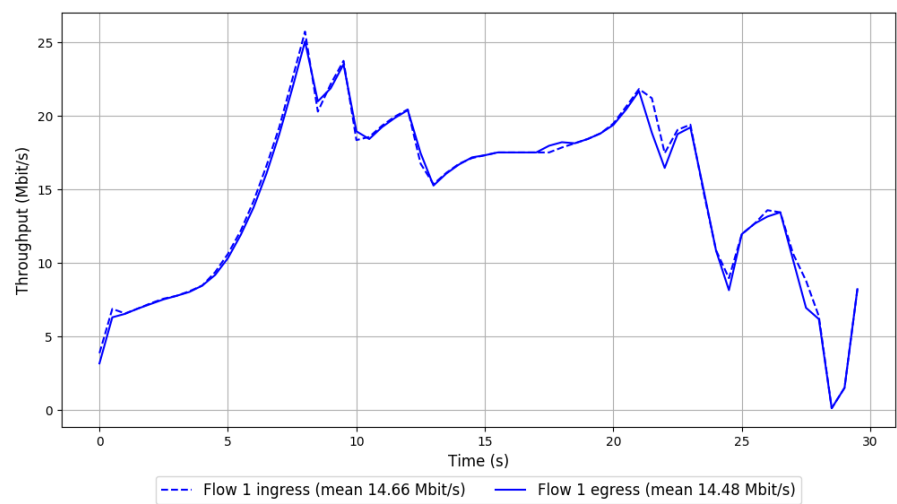
-- Flow 1:

Average throughput: 14.48 Mbit/s

95th percentile per-packet one-way delay: 51.023 ms

Loss rate: 1.25%

Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 14:38:36 +0000

End at: Sun, 06 Aug 2017 14:39:06 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 9.91 Mbit/s

95th percentile per-packet one-way delay: 51.064 ms

Loss rate: 1.05%

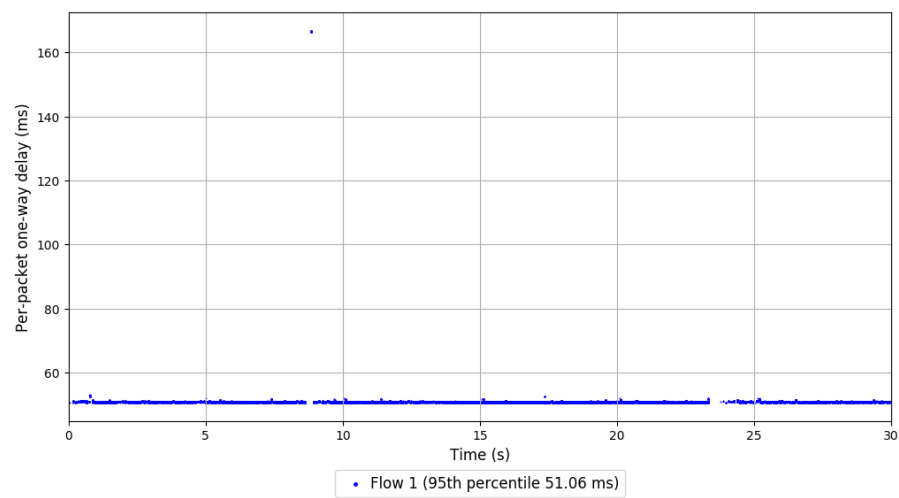
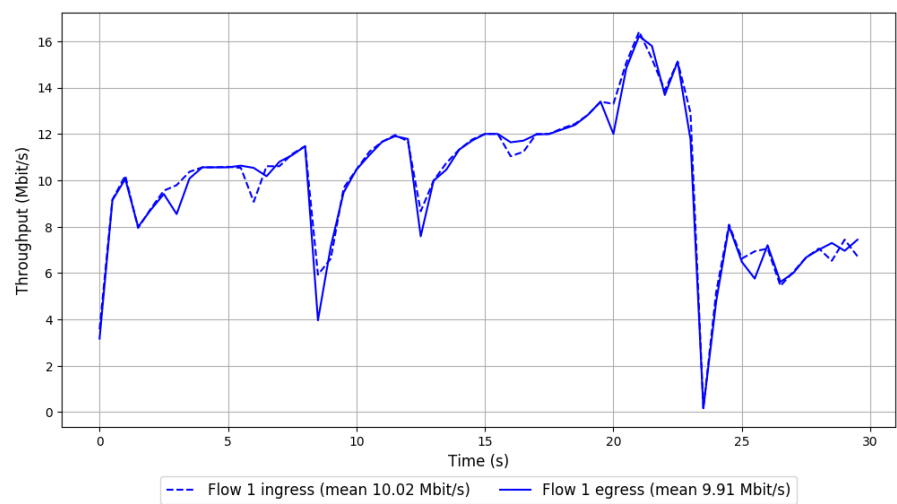
-- Flow 1:

Average throughput: 9.91 Mbit/s

95th percentile per-packet one-way delay: 51.064 ms

Loss rate: 1.05%

Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 14:48:43 +0000

End at: Sun, 06 Aug 2017 14:49:13 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:05 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 12.47 Mbit/s

95th percentile per-packet one-way delay: 52.656 ms

Loss rate: 0.49%

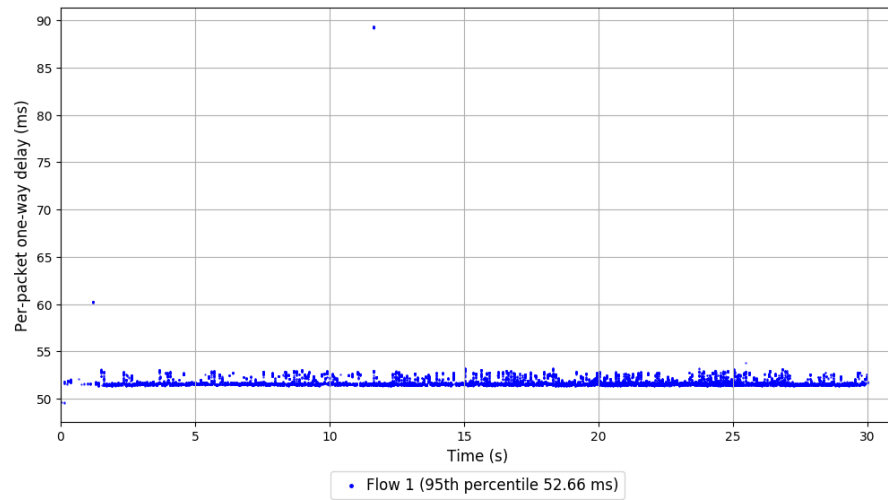
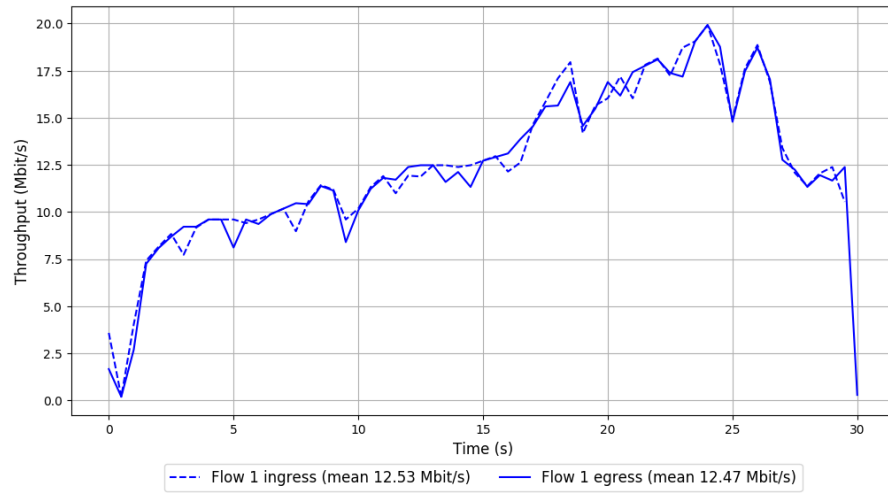
-- Flow 1:

Average throughput: 12.47 Mbit/s

95th percentile per-packet one-way delay: 52.656 ms

Loss rate: 0.49%

Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 14:58:27 +0000

End at: Sun, 06 Aug 2017 14:58:57 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:05 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 8.30 Mbit/s

95th percentile per-packet one-way delay: 51.748 ms

Loss rate: 2.02%

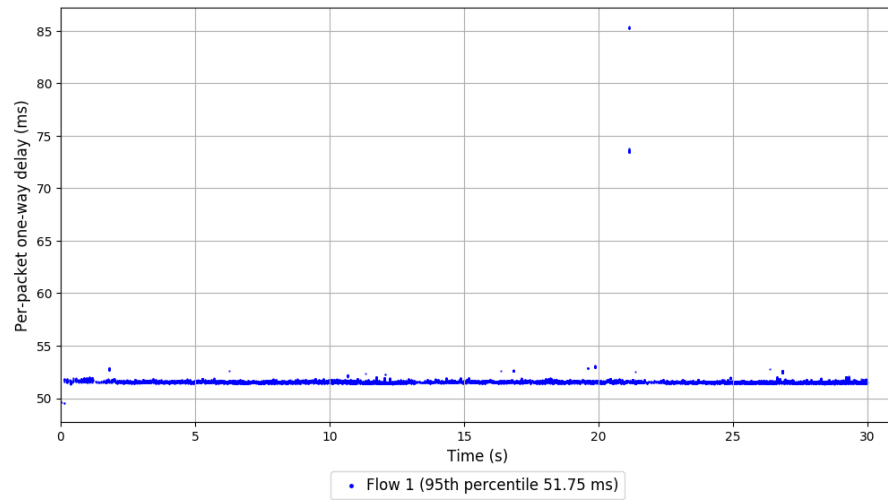
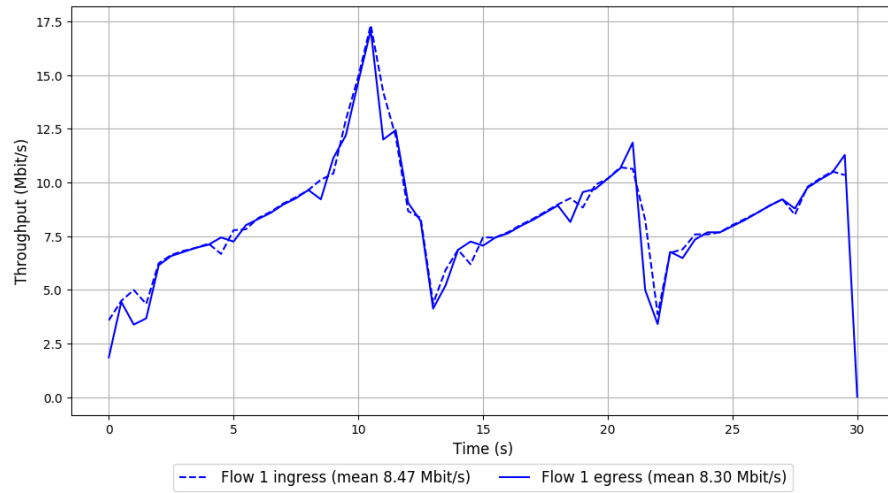
-- Flow 1:

Average throughput: 8.30 Mbit/s

95th percentile per-packet one-way delay: 51.748 ms

Loss rate: 2.02%

Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 15:08:30 +0000

End at: Sun, 06 Aug 2017 15:09:00 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 100.97 Mbit/s

95th percentile per-packet one-way delay: 52.002 ms

Loss rate: 0.16%

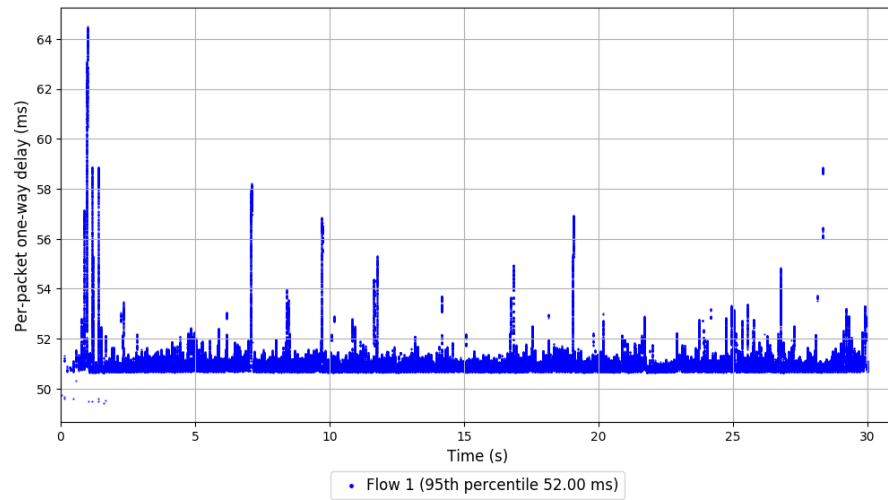
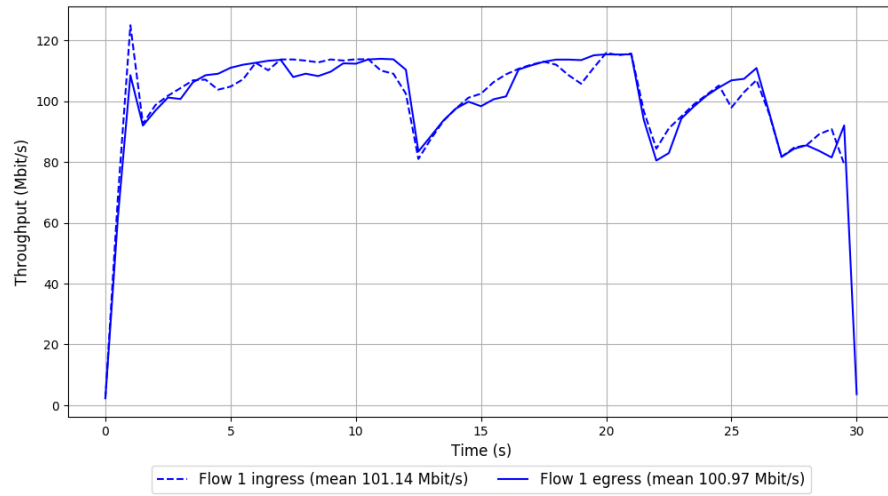
-- Flow 1:

Average throughput: 100.97 Mbit/s

95th percentile per-packet one-way delay: 52.002 ms

Loss rate: 0.16%

Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Sun, 06 Aug 2017 15:18:29 +0000

End at: Sun, 06 Aug 2017 15:18:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.19 Mbit/s

95th percentile per-packet one-way delay: 51.743 ms

Loss rate: 0.51%

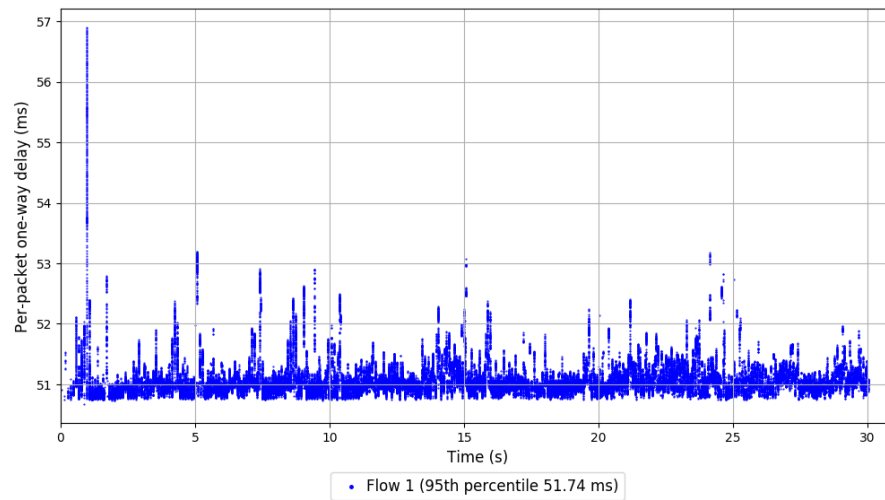
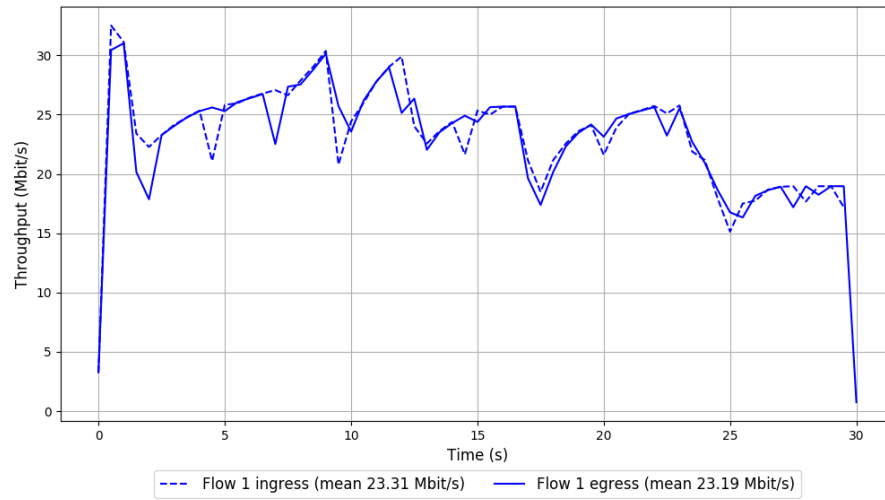
-- Flow 1:

Average throughput: 23.19 Mbit/s

95th percentile per-packet one-way delay: 51.743 ms

Loss rate: 0.51%

Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 13:54:09 +0000

End at: Sun, 06 Aug 2017 13:54:39 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 52.038 ms

Loss rate: 92.84%

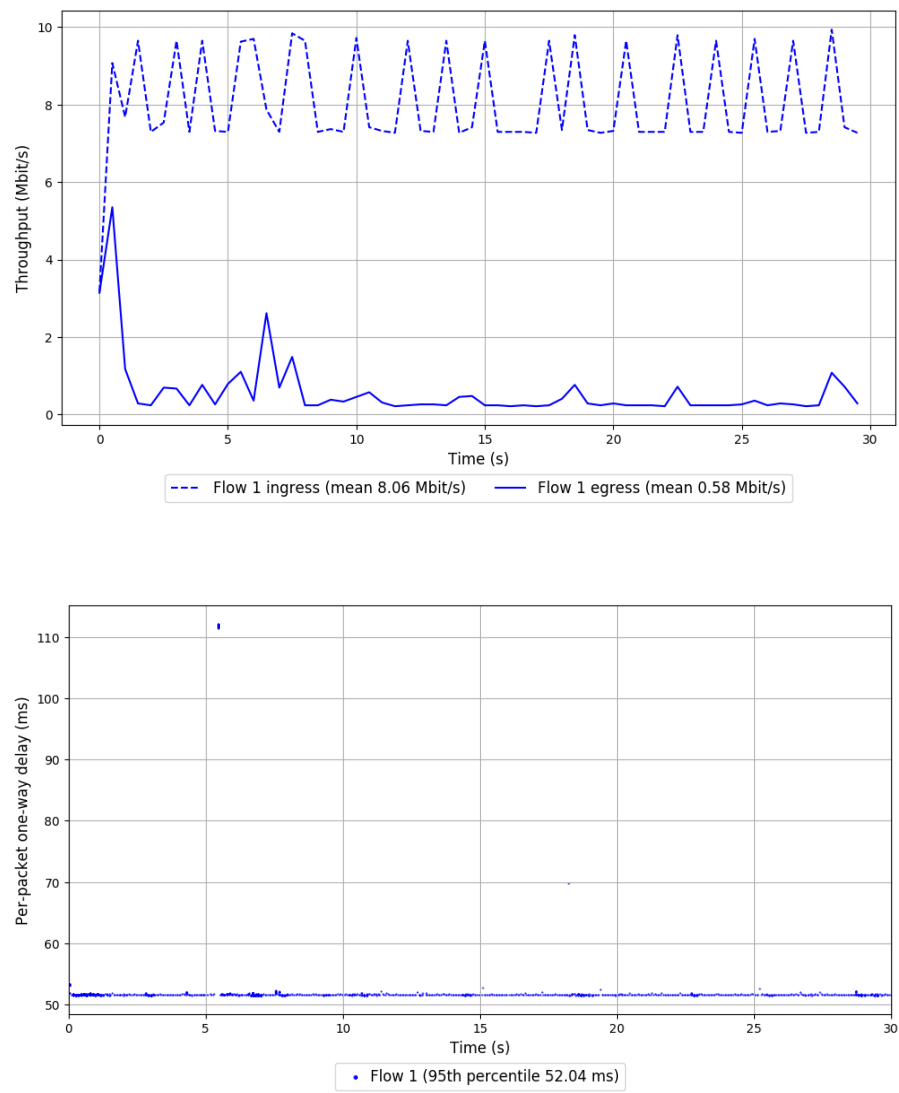
-- Flow 1:

Average throughput: 0.58 Mbit/s

95th percentile per-packet one-way delay: 52.038 ms

Loss rate: 92.84%

Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 14:04:05 +0000

End at: Sun, 06 Aug 2017 14:04:35 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.57 Mbit/s

95th percentile per-packet one-way delay: 51.628 ms

Loss rate: 1.29%

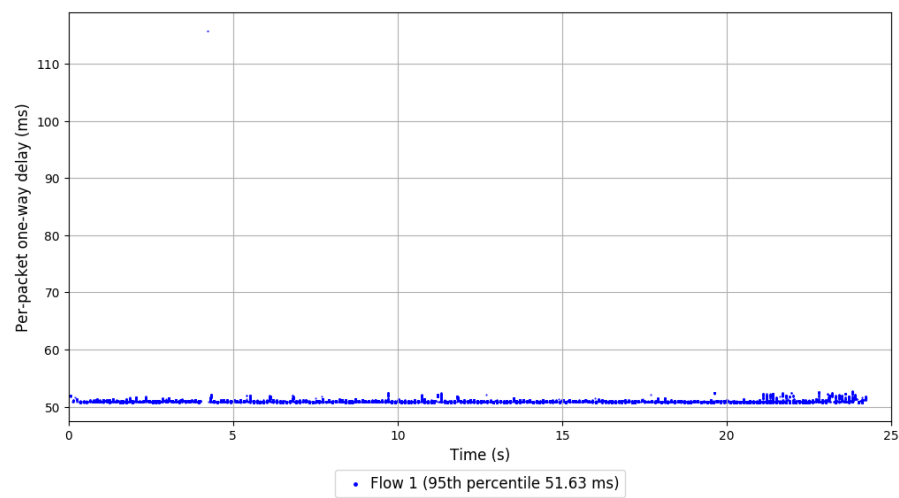
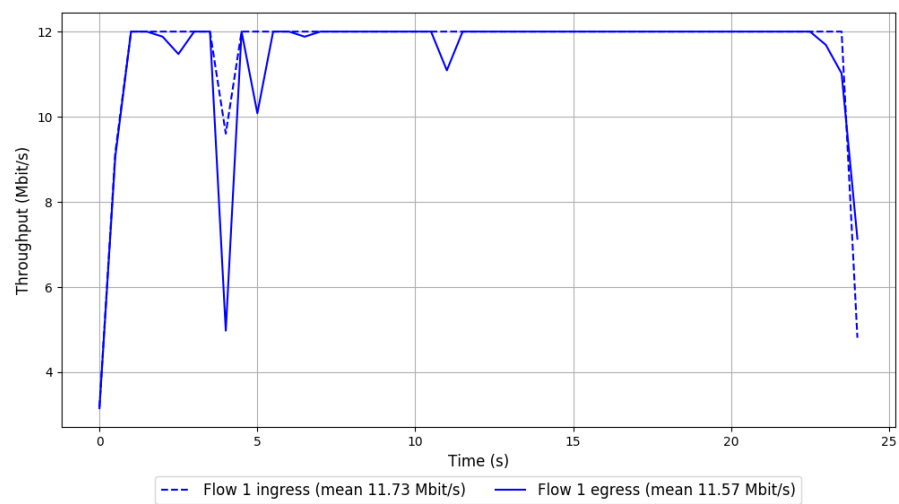
-- Flow 1:

Average throughput: 11.57 Mbit/s

95th percentile per-packet one-way delay: 51.628 ms

Loss rate: 1.29%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 14:14:08 +0000

End at: Sun, 06 Aug 2017 14:14:38 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.34 Mbit/s

95th percentile per-packet one-way delay: 51.038 ms

Loss rate: 2.28%

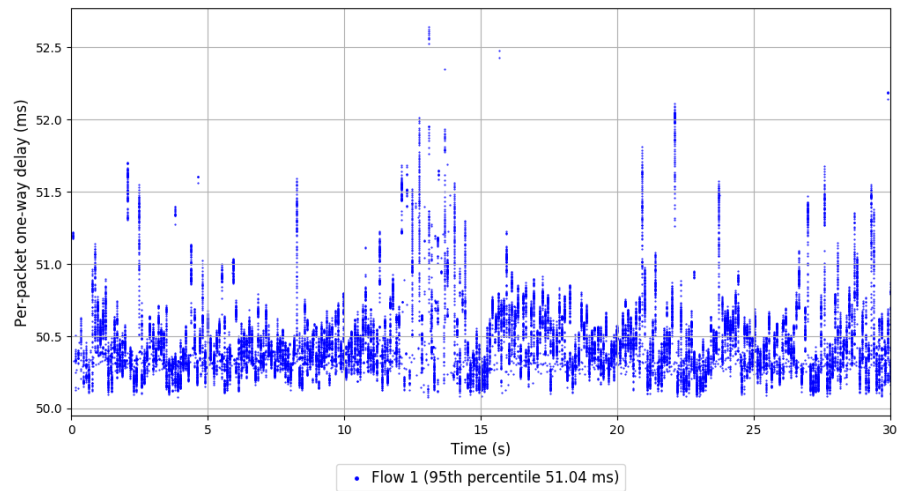
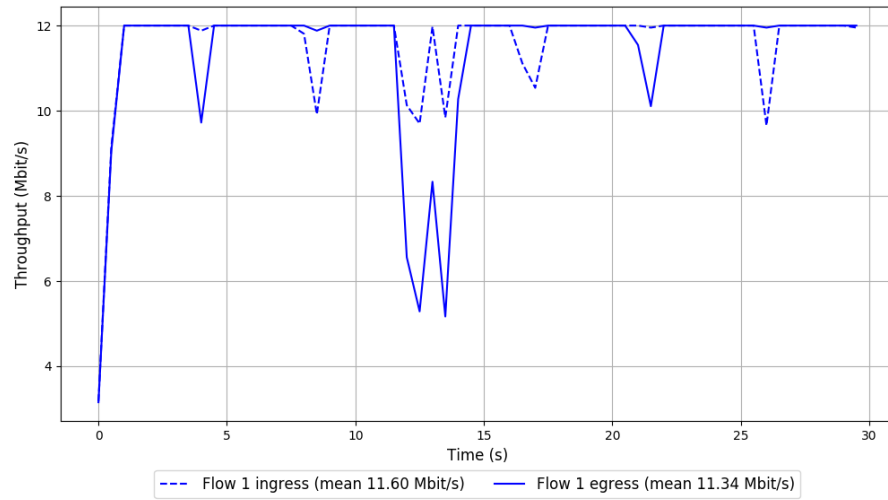
-- Flow 1:

Average throughput: 11.34 Mbit/s

95th percentile per-packet one-way delay: 51.038 ms

Loss rate: 2.28%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 14:24:12 +0000

End at: Sun, 06 Aug 2017 14:24:42 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.44 Mbit/s

95th percentile per-packet one-way delay: 51.106 ms

Loss rate: 1.26%

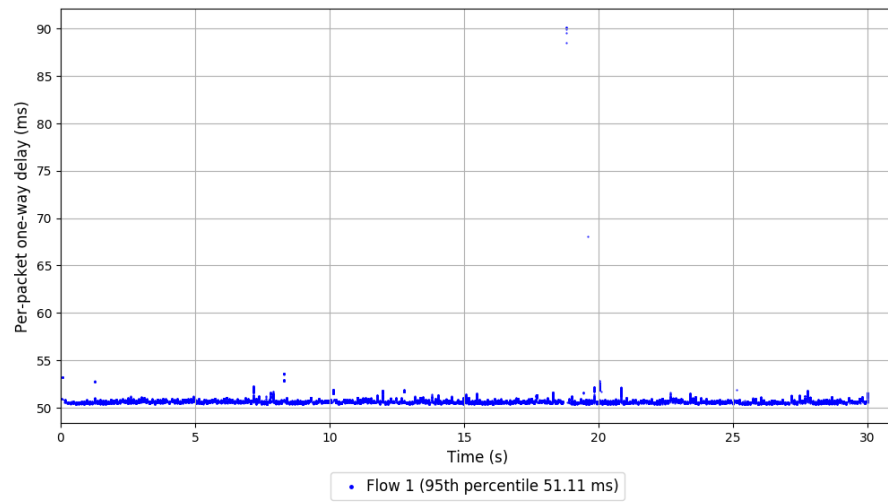
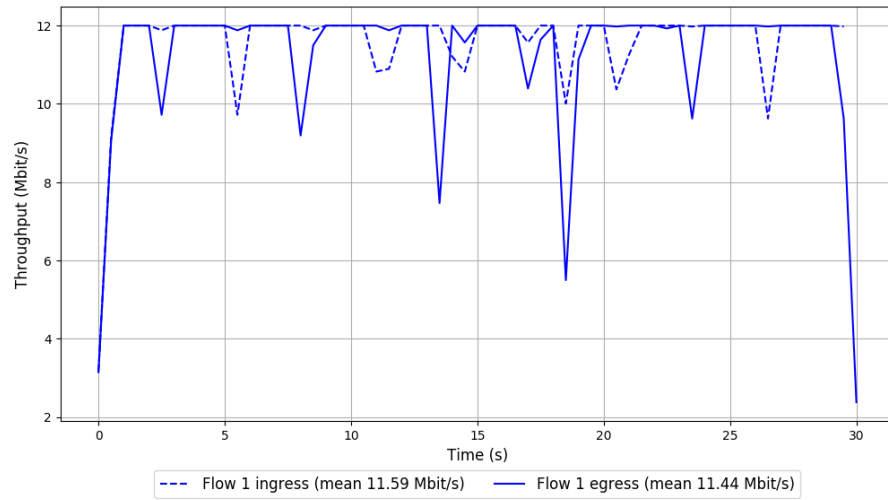
-- Flow 1:

Average throughput: 11.44 Mbit/s

95th percentile per-packet one-way delay: 51.106 ms

Loss rate: 1.26%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 14:33:54 +0000

End at: Sun, 06 Aug 2017 14:34:24 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:27 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.51 Mbit/s

95th percentile per-packet one-way delay: 50.762 ms

Loss rate: 0.68%

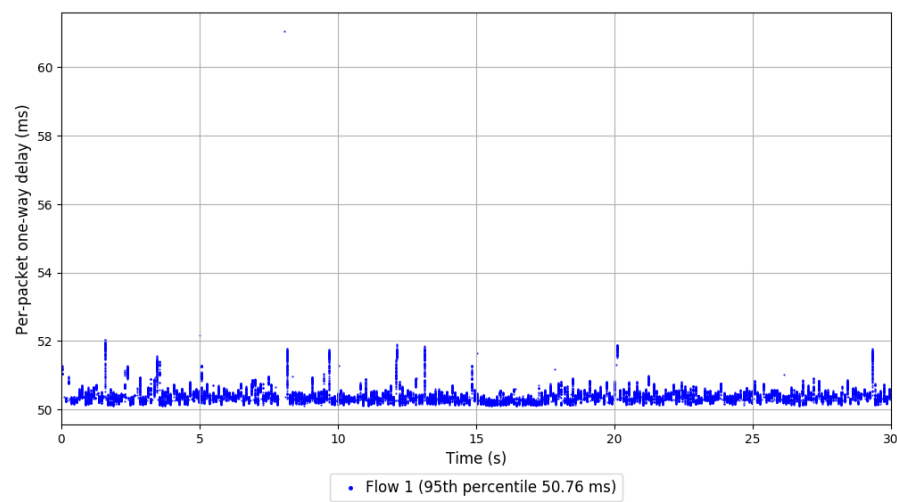
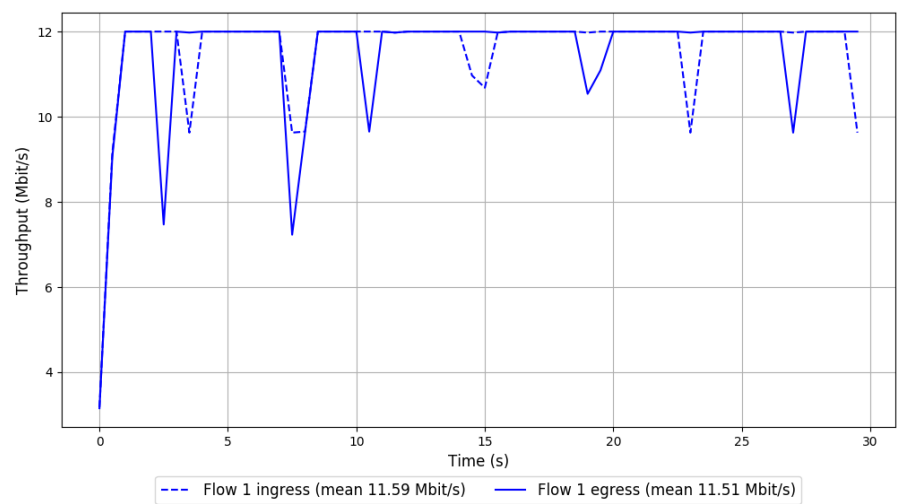
-- Flow 1:

Average throughput: 11.51 Mbit/s

95th percentile per-packet one-way delay: 50.762 ms

Loss rate: 0.68%

Run 5: Report of KohoCC — Data Link

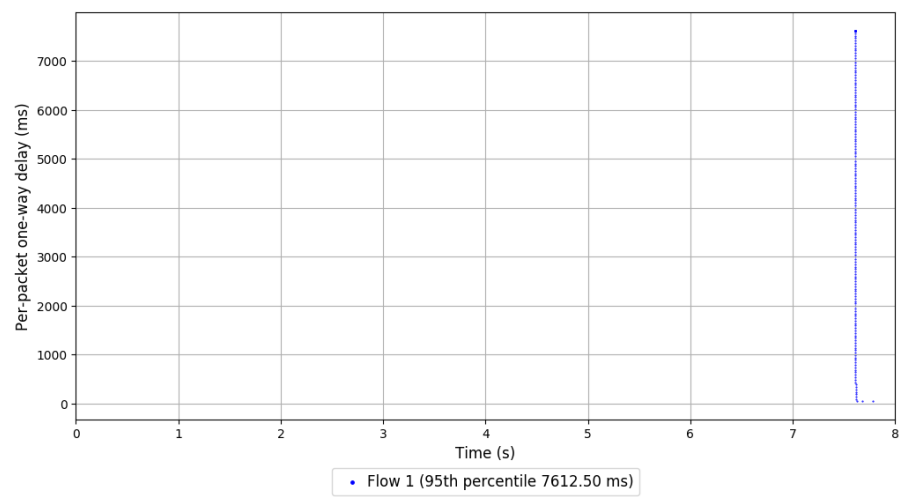
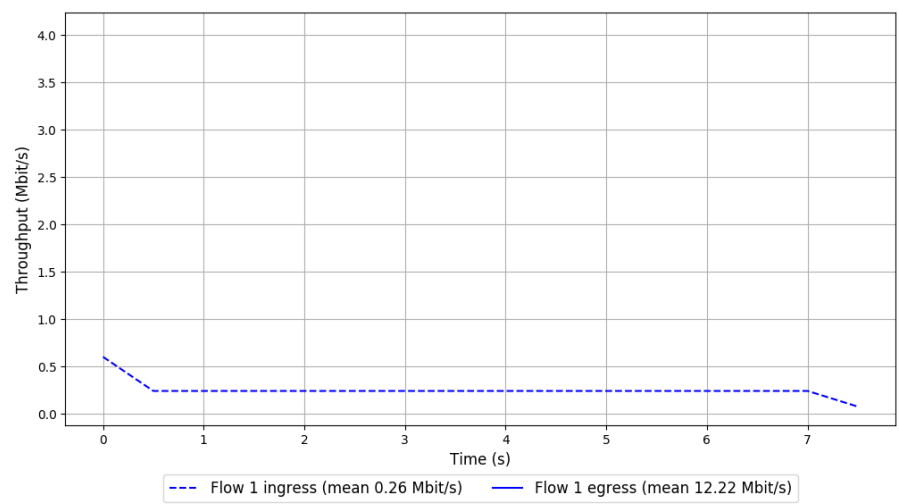


Run 6: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 14:43:58 +0000

End at: Sun, 06 Aug 2017 14:44:29 +0000

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 14:53:50 +0000

End at: Sun, 06 Aug 2017 14:54:20 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:31 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 10.15 Mbit/s

95th percentile per-packet one-way delay: 52.060 ms

Loss rate: 11.20%

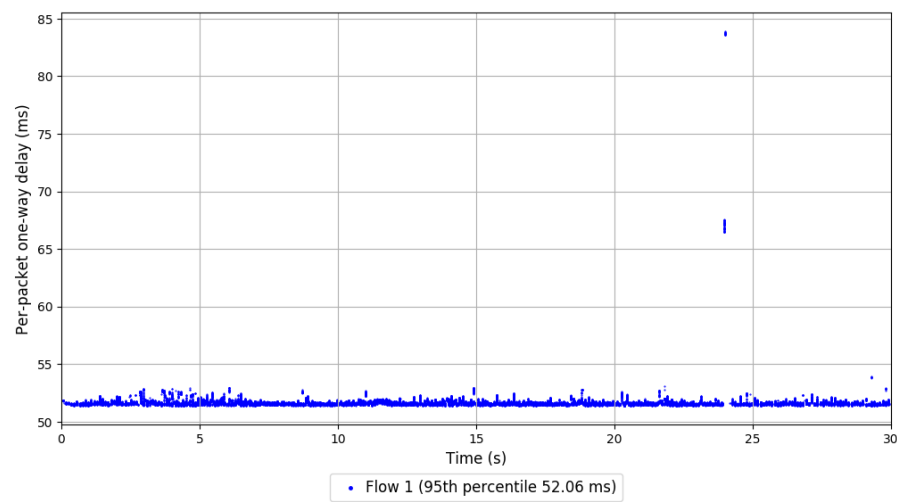
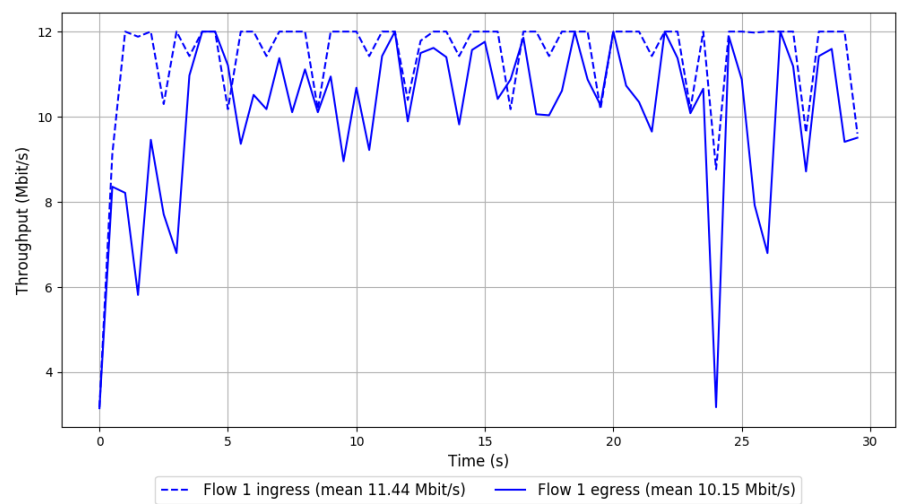
-- Flow 1:

Average throughput: 10.15 Mbit/s

95th percentile per-packet one-way delay: 52.060 ms

Loss rate: 11.20%

Run 7: Report of KohoCC — Data Link

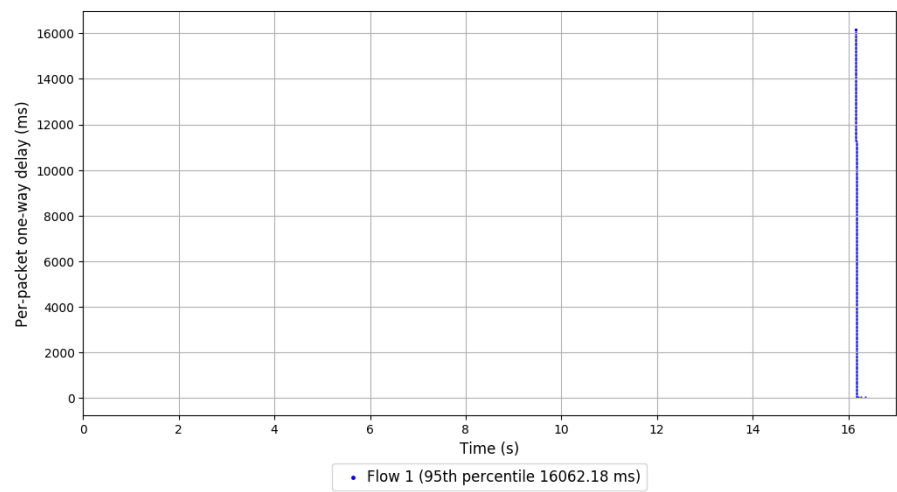
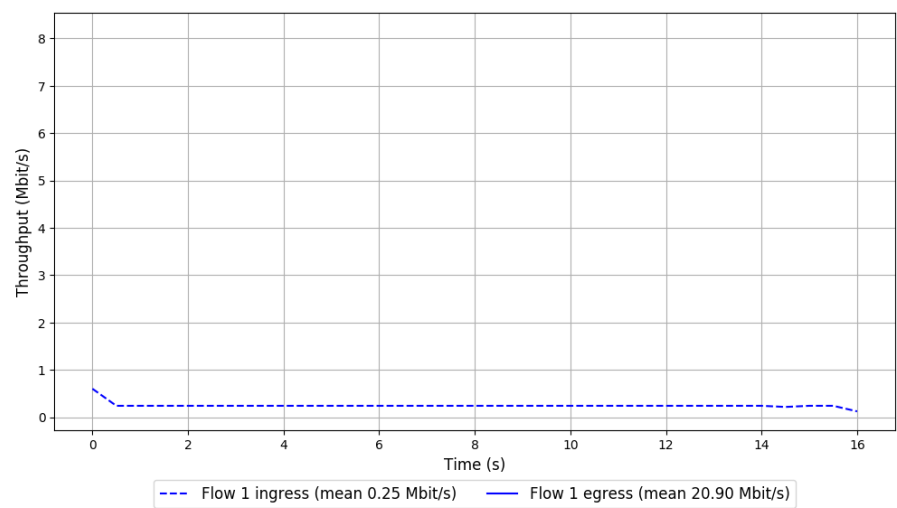


Run 8: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 15:03:44 +0000

End at: Sun, 06 Aug 2017 15:04:14 +0000

Run 8: Report of KohoCC — Data Link

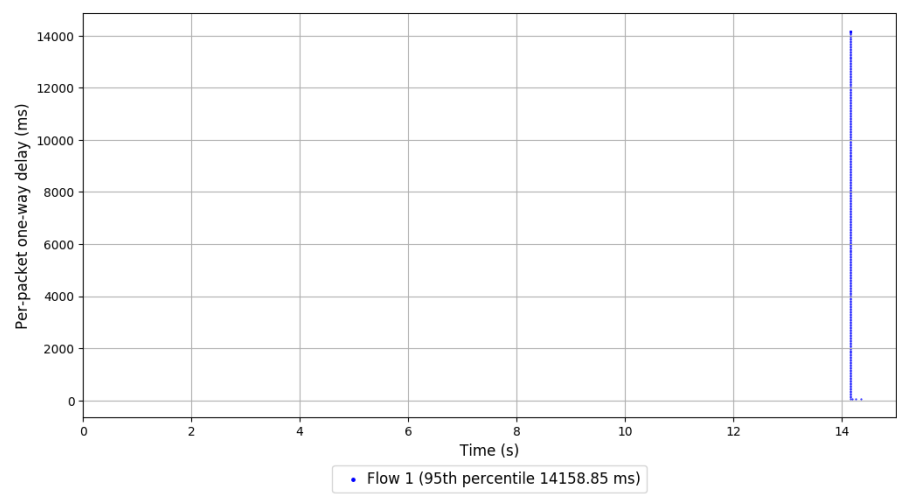
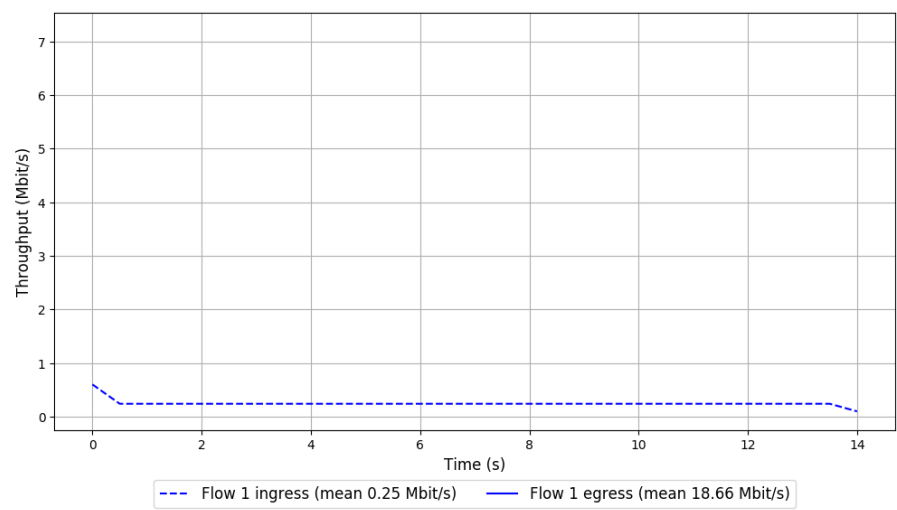


Run 9: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 15:13:52 +0000

End at: Sun, 06 Aug 2017 15:14:22 +0000

Run 9: Report of KohoCC — Data Link

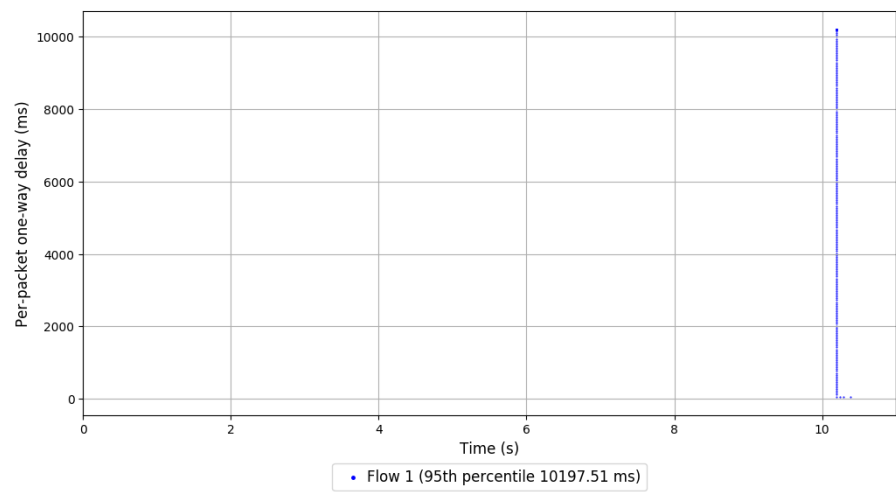
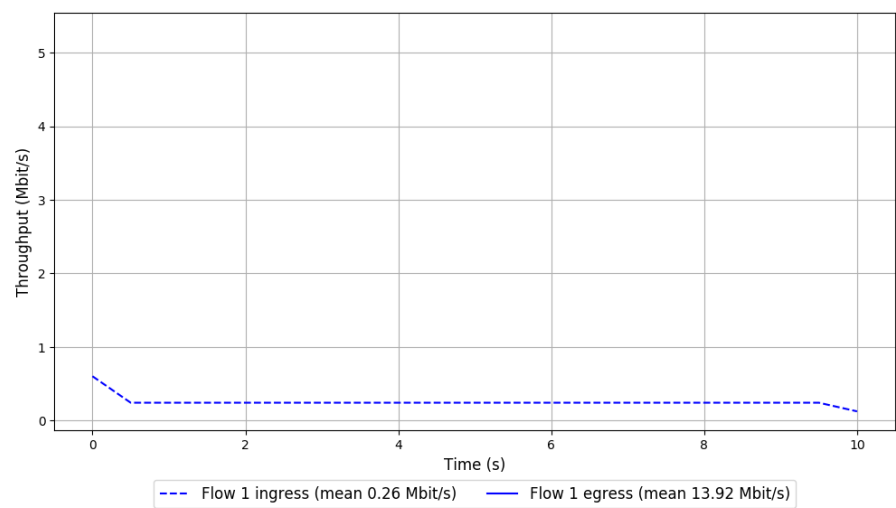


Run 10: Statistics of KohoCC

Start at: Sun, 06 Aug 2017 15:23:40 +0000

End at: Sun, 06 Aug 2017 15:24:10 +0000

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 13:51:49 +0000

End at: Sun, 06 Aug 2017 13:52:19 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:33 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.40 Mbit/s

95th percentile per-packet one-way delay: 52.131 ms

Loss rate: 0.52%

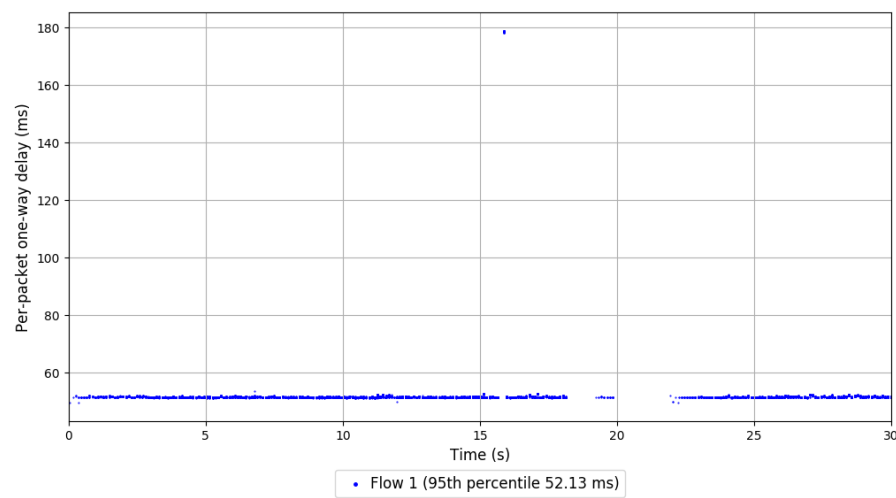
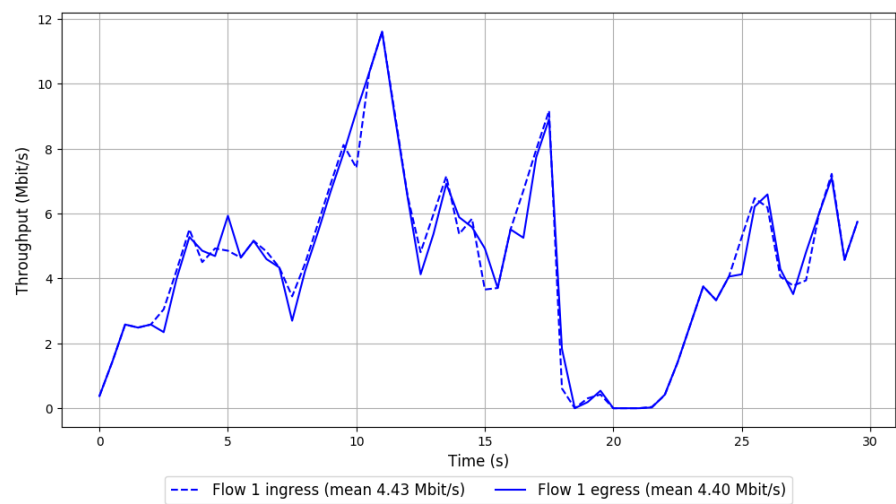
-- Flow 1:

Average throughput: 4.40 Mbit/s

95th percentile per-packet one-way delay: 52.131 ms

Loss rate: 0.52%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 14:02:01 +0000

End at: Sun, 06 Aug 2017 14:02:31 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 11.12 Mbit/s

95th percentile per-packet one-way delay: 51.635 ms

Loss rate: 1.19%

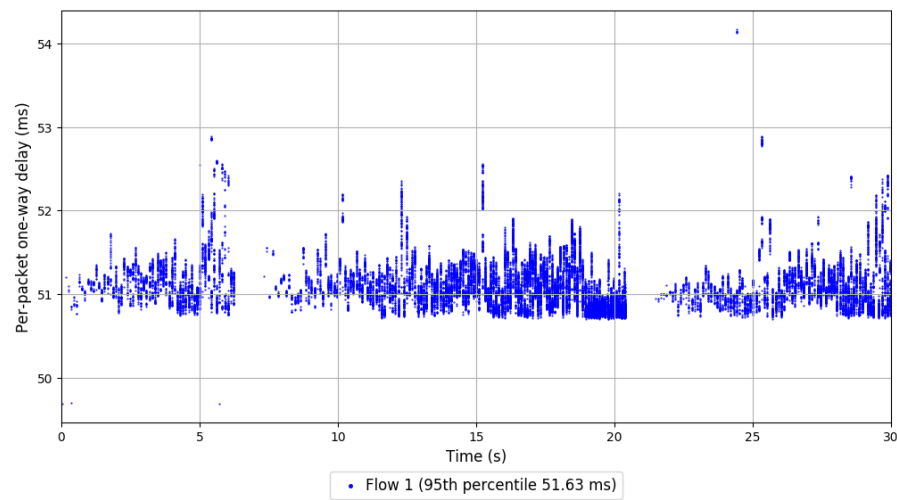
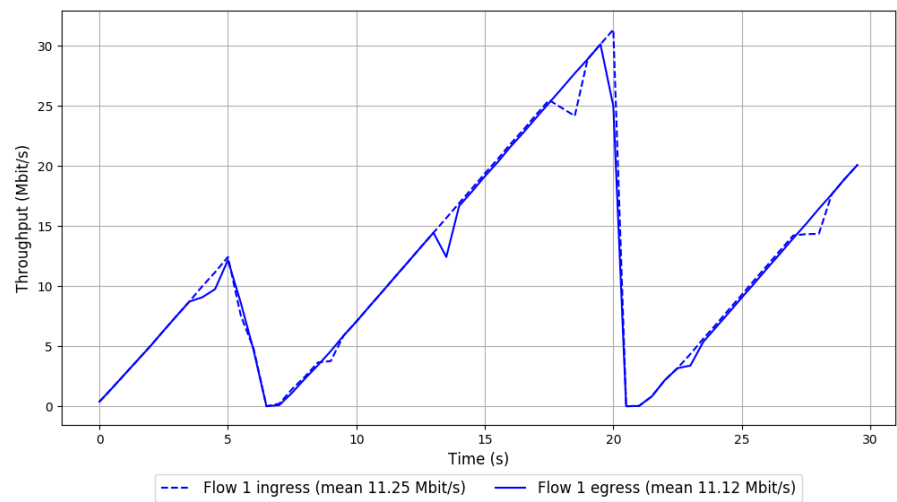
-- Flow 1:

Average throughput: 11.12 Mbit/s

95th percentile per-packet one-way delay: 51.635 ms

Loss rate: 1.19%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 14:11:53 +0000

End at: Sun, 06 Aug 2017 14:12:23 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.16 Mbit/s

95th percentile per-packet one-way delay: 51.527 ms

Loss rate: 4.23%

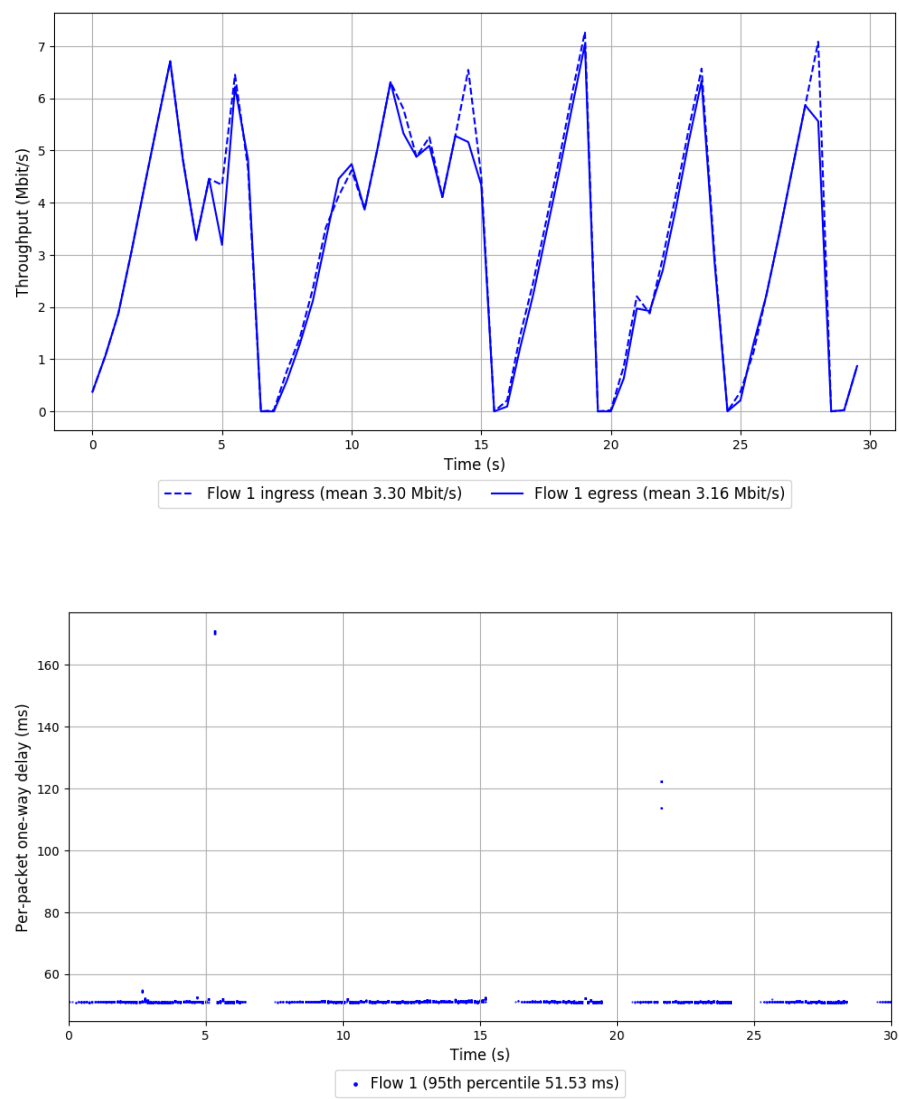
-- Flow 1:

Average throughput: 3.16 Mbit/s

95th percentile per-packet one-way delay: 51.527 ms

Loss rate: 4.23%

Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 14:22:04 +0000

End at: Sun, 06 Aug 2017 14:22:34 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:37 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.49 Mbit/s

95th percentile per-packet one-way delay: 51.187 ms

Loss rate: 0.43%

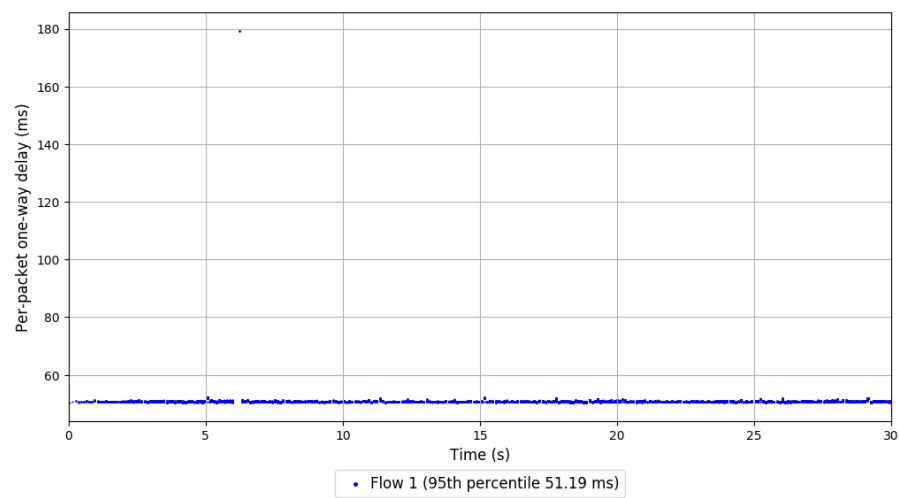
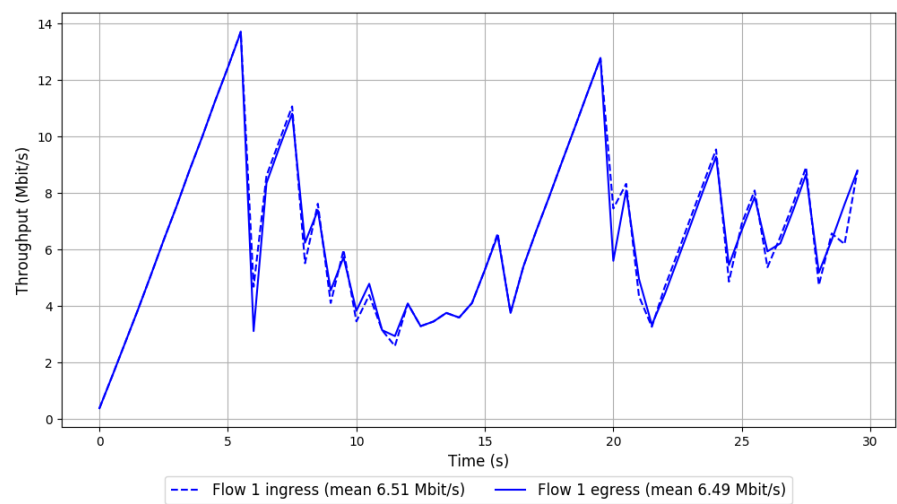
-- Flow 1:

Average throughput: 6.49 Mbit/s

95th percentile per-packet one-way delay: 51.187 ms

Loss rate: 0.43%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 14:31:55 +0000

End at: Sun, 06 Aug 2017 14:32:25 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:39 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.56 Mbit/s

95th percentile per-packet one-way delay: 51.567 ms

Loss rate: 0.55%

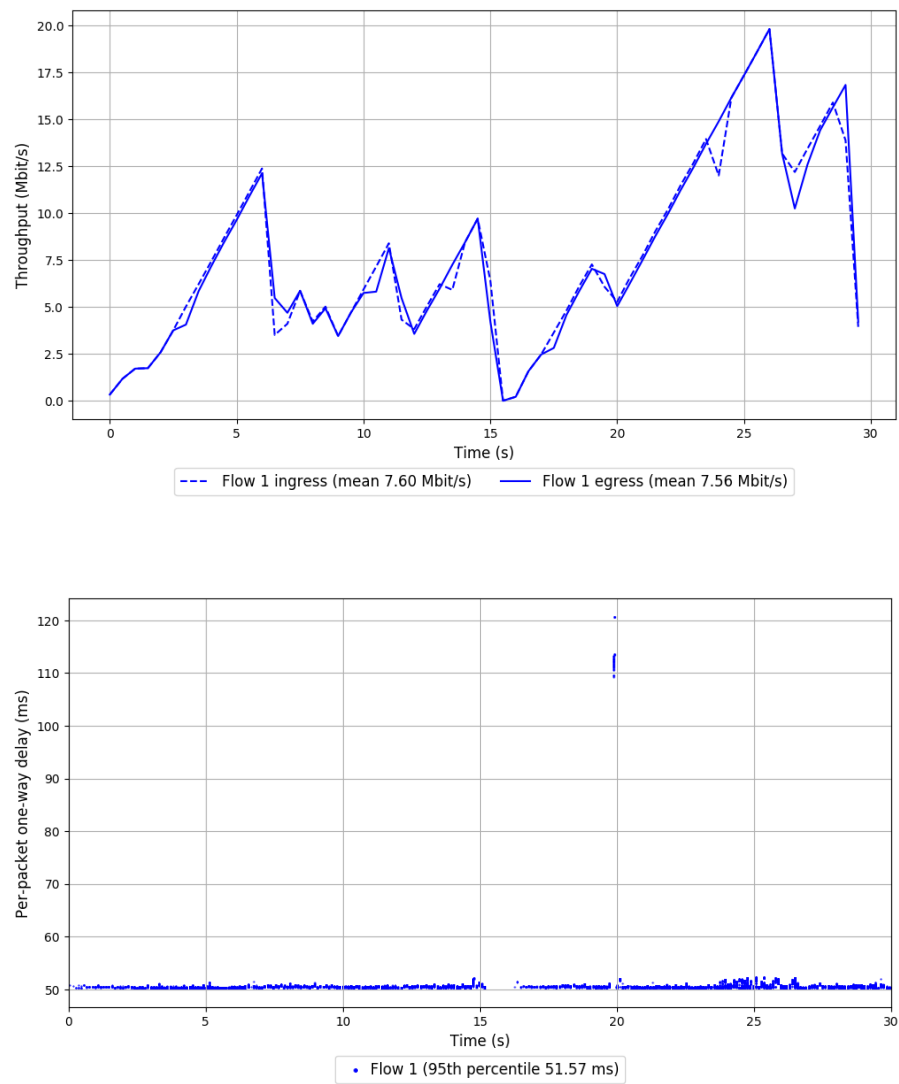
-- Flow 1:

Average throughput: 7.56 Mbit/s

95th percentile per-packet one-way delay: 51.567 ms

Loss rate: 0.55%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 14:41:44 +0000

End at: Sun, 06 Aug 2017 14:42:14 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:39 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 4.04 Mbit/s

95th percentile per-packet one-way delay: 51.475 ms

Loss rate: 1.54%

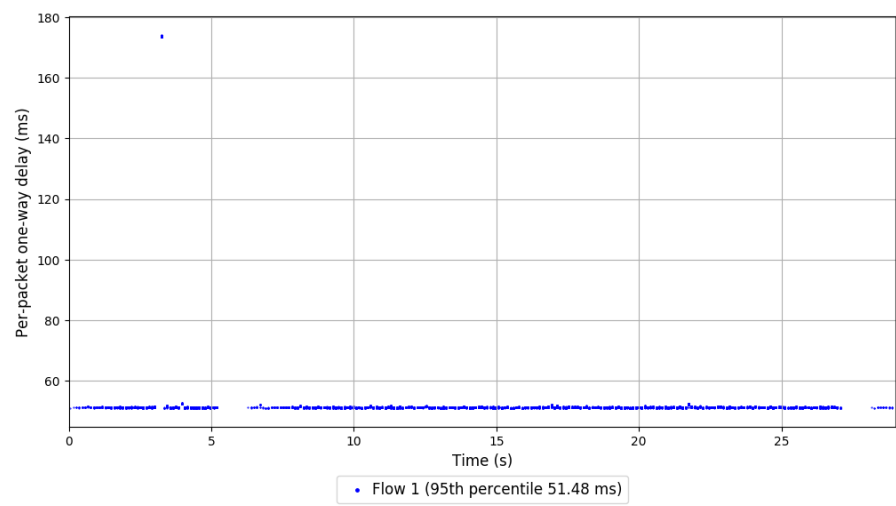
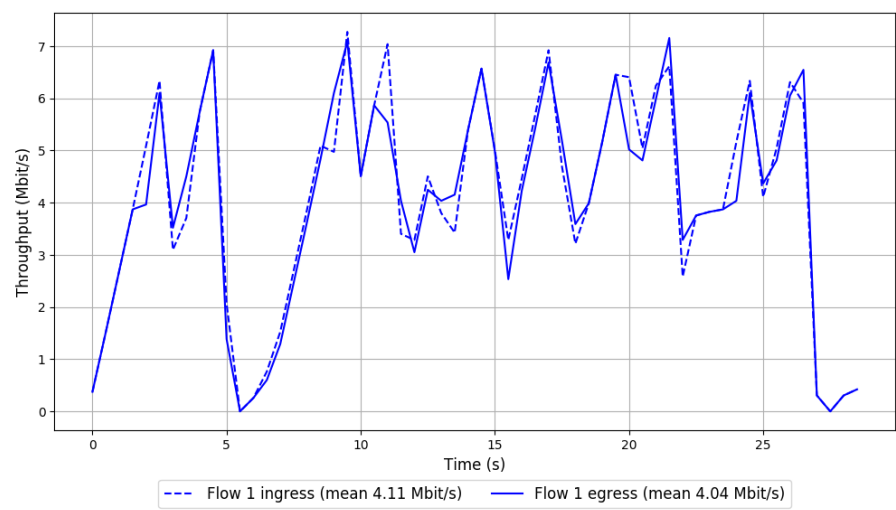
-- Flow 1:

Average throughput: 4.04 Mbit/s

95th percentile per-packet one-way delay: 51.475 ms

Loss rate: 1.54%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 14:51:49 +0000

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

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:41 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.42 Mbit/s

95th percentile per-packet one-way delay: 52.025 ms

Loss rate: 0.56%

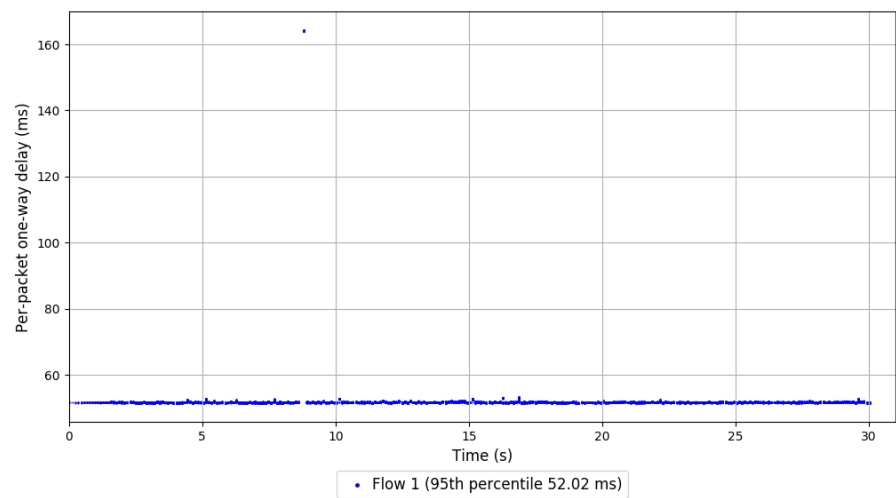
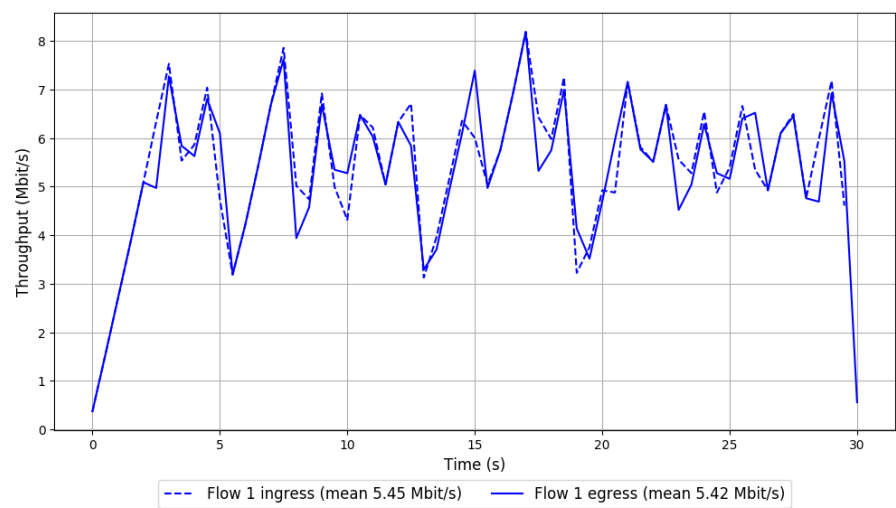
-- Flow 1:

Average throughput: 5.42 Mbit/s

95th percentile per-packet one-way delay: 52.025 ms

Loss rate: 0.56%

Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 15:01:34 +0000

End at: Sun, 06 Aug 2017 15:02:04 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:41 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.98 Mbit/s

95th percentile per-packet one-way delay: 52.036 ms

Loss rate: 5.02%

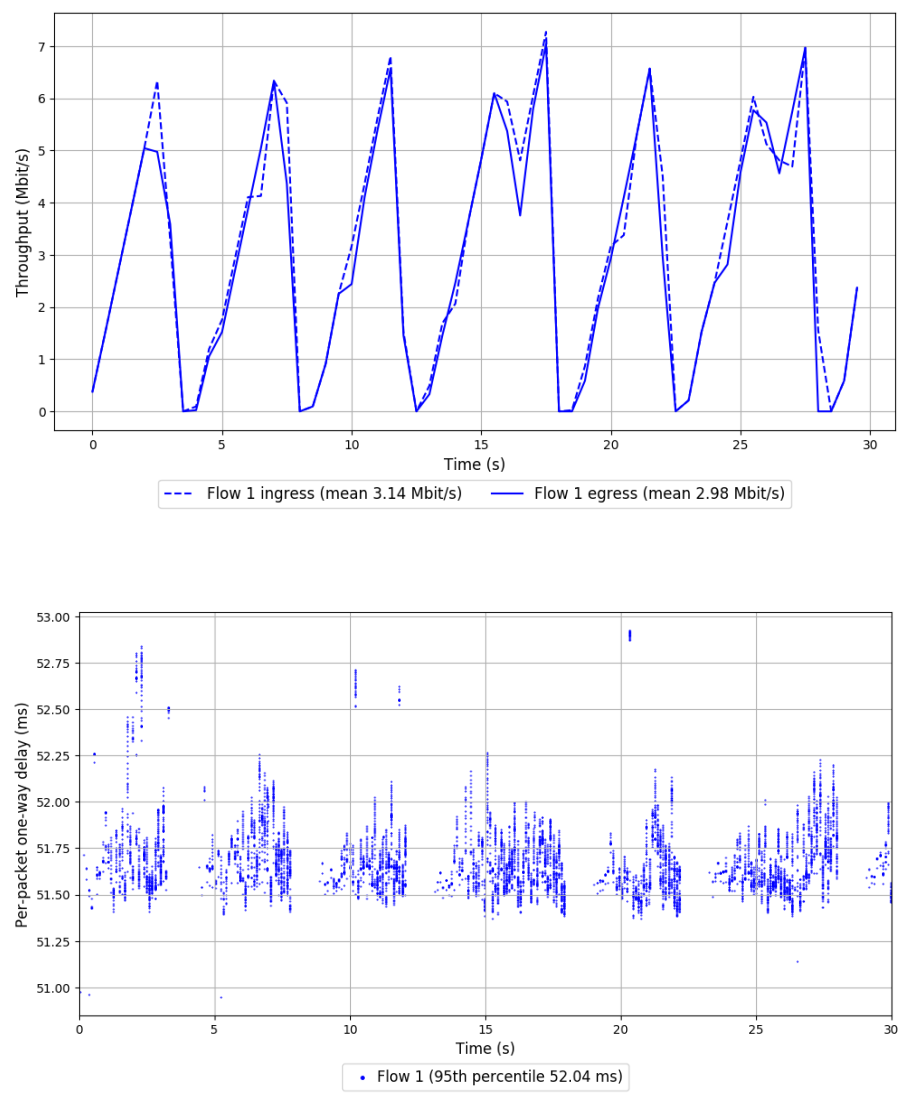
-- Flow 1:

Average throughput: 2.98 Mbit/s

95th percentile per-packet one-way delay: 52.036 ms

Loss rate: 5.02%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 15:11:43 +0000

End at: Sun, 06 Aug 2017 15:12:13 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:42 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 51.252 ms

Loss rate: 2.18%

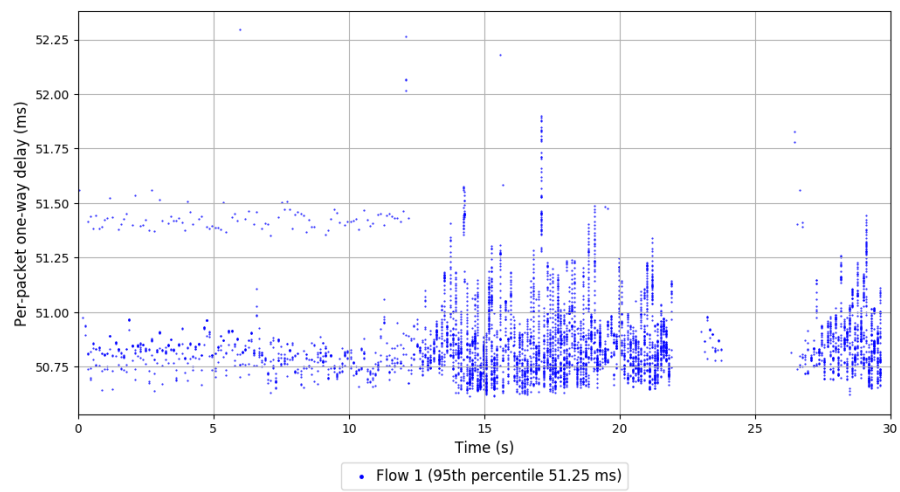
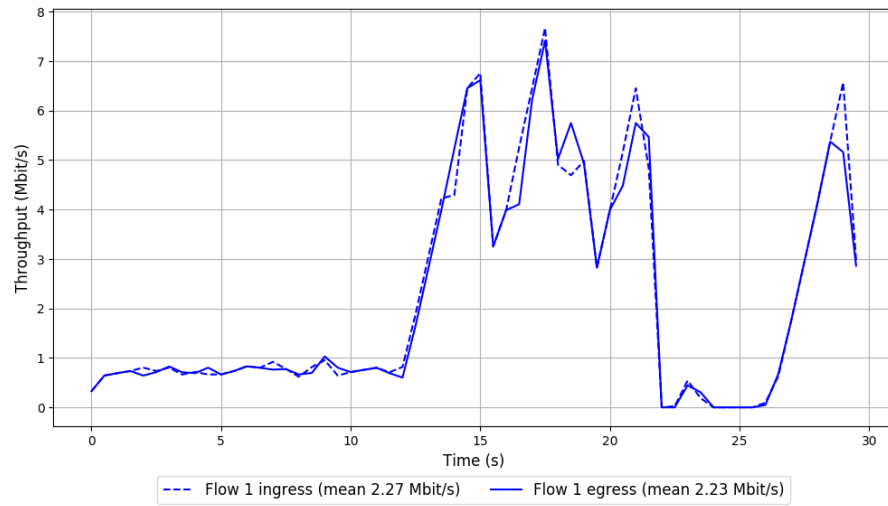
-- Flow 1:

Average throughput: 2.23 Mbit/s

95th percentile per-packet one-way delay: 51.252 ms

Loss rate: 2.18%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Sun, 06 Aug 2017 15:21:42 +0000

End at: Sun, 06 Aug 2017 15:22:12 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:40:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.39 Mbit/s

95th percentile per-packet one-way delay: 51.873 ms

Loss rate: 0.15%

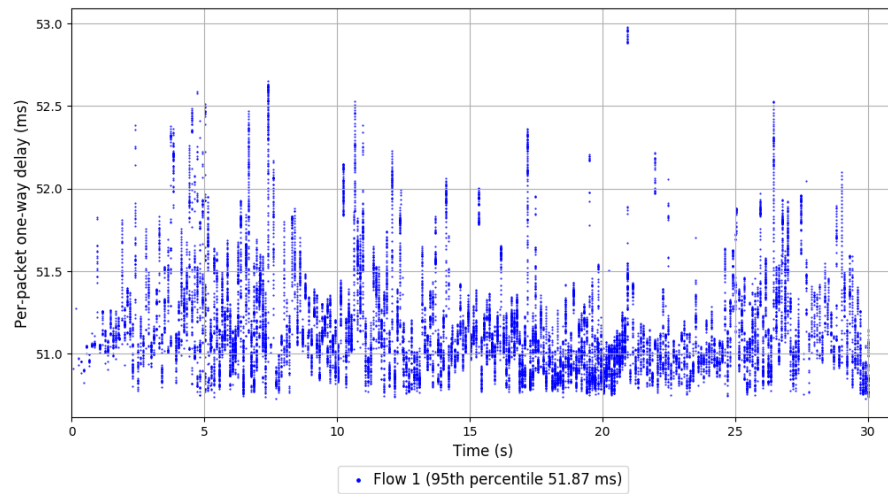
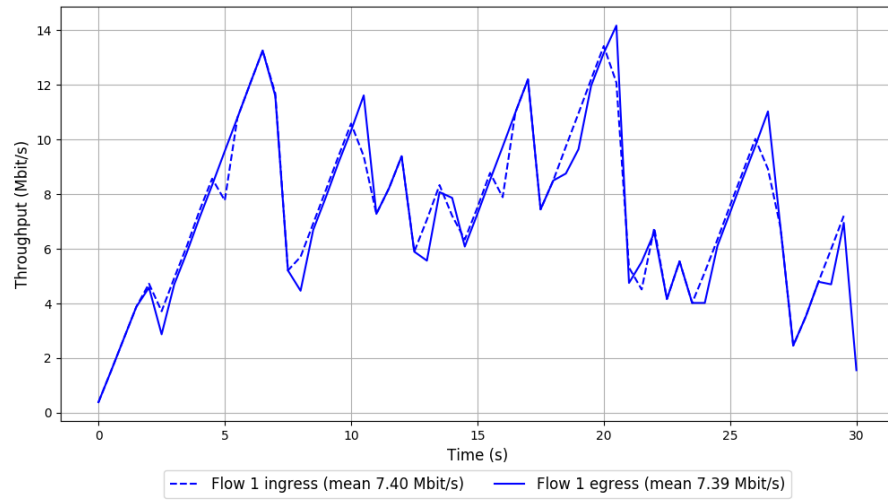
-- Flow 1:

Average throughput: 7.39 Mbit/s

95th percentile per-packet one-way delay: 51.873 ms

Loss rate: 0.15%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Sun, 06 Aug 2017 13:55:22 +0000

End at: Sun, 06 Aug 2017 13:55:52 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:42:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 485.96 Mbit/s

95th percentile per-packet one-way delay: 146.466 ms

Loss rate: 2.04%

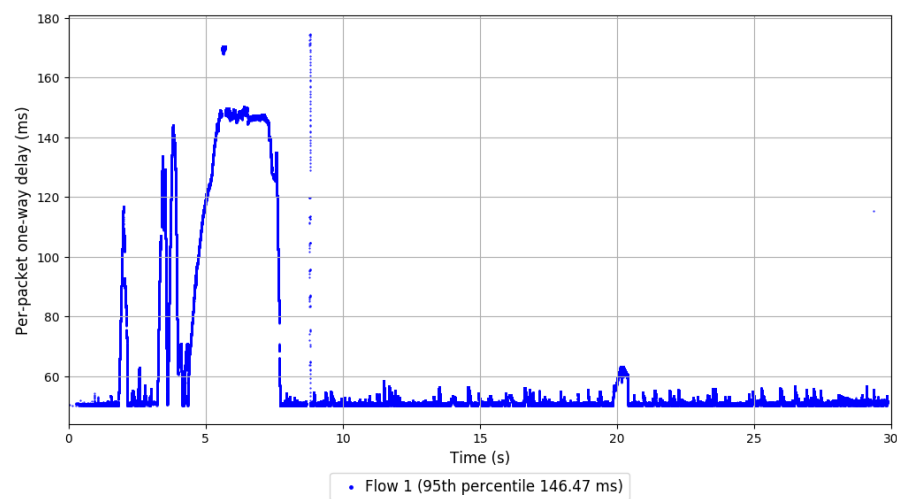
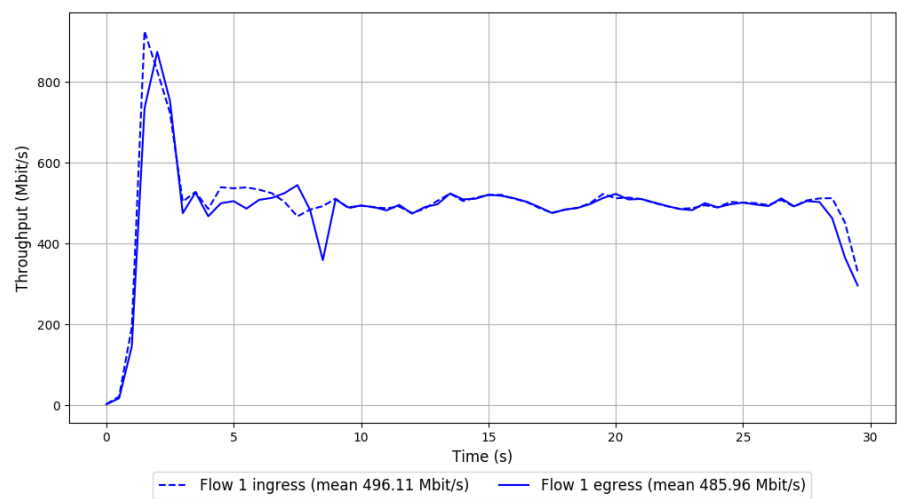
-- Flow 1:

Average throughput: 485.96 Mbit/s

95th percentile per-packet one-way delay: 146.466 ms

Loss rate: 2.04%

Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Sun, 06 Aug 2017 14:05:19 +0000

End at: Sun, 06 Aug 2017 14:05:49 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:42:13 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 252.08 Mbit/s

95th percentile per-packet one-way delay: 50.838 ms

Loss rate: 6.13%

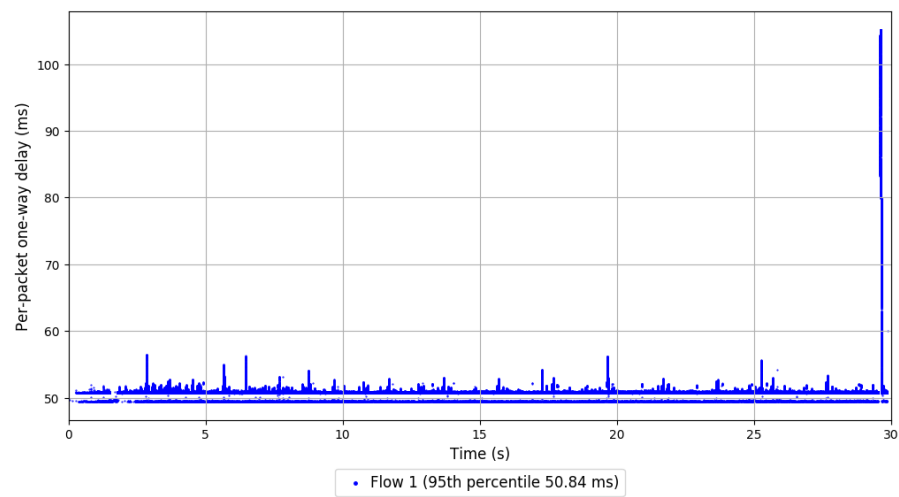
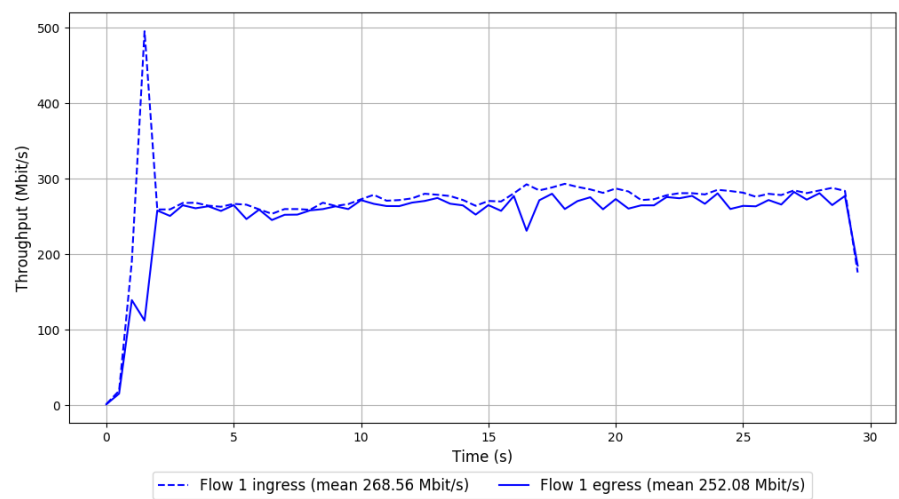
-- Flow 1:

Average throughput: 252.08 Mbit/s

95th percentile per-packet one-way delay: 50.838 ms

Loss rate: 6.13%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Sun, 06 Aug 2017 14:15:23 +0000

End at: Sun, 06 Aug 2017 14:15:53 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:43:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 509.46 Mbit/s

95th percentile per-packet one-way delay: 158.108 ms

Loss rate: 12.55%

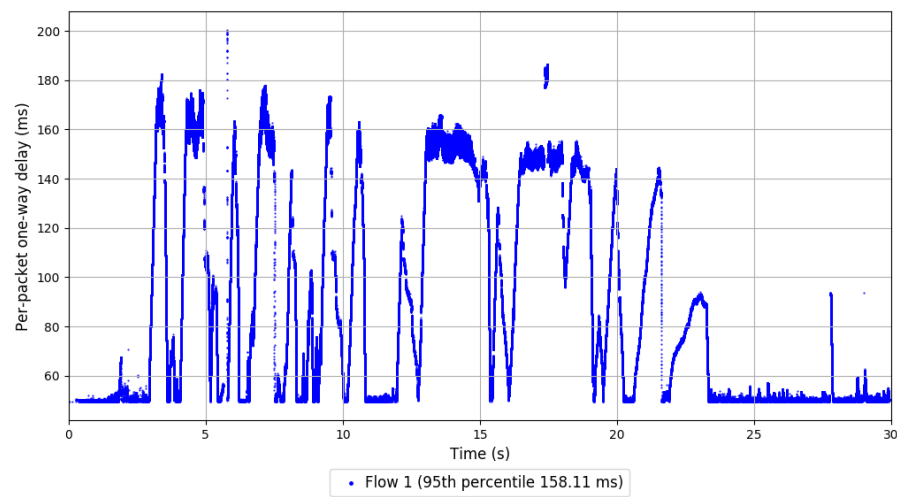
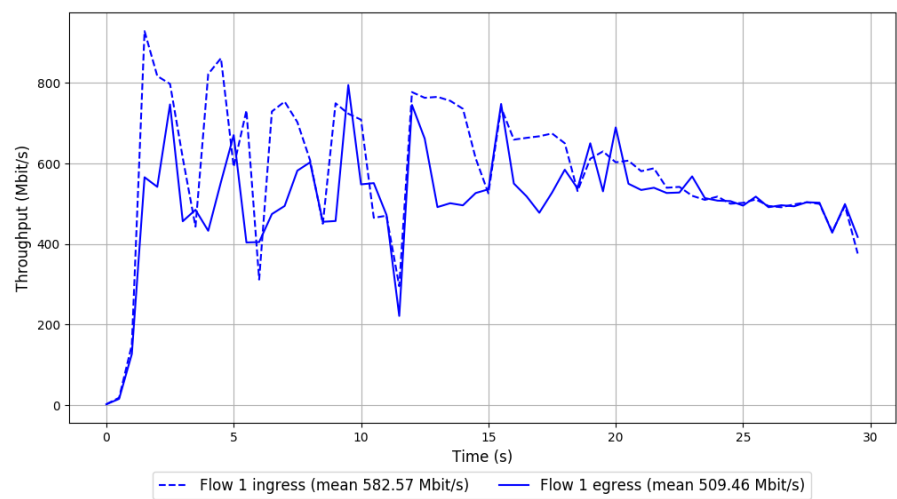
-- Flow 1:

Average throughput: 509.46 Mbit/s

95th percentile per-packet one-way delay: 158.108 ms

Loss rate: 12.55%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Sun, 06 Aug 2017 14:25:27 +0000

End at: Sun, 06 Aug 2017 14:25:57 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:43:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 209.77 Mbit/s

95th percentile per-packet one-way delay: 50.530 ms

Loss rate: 1.76%

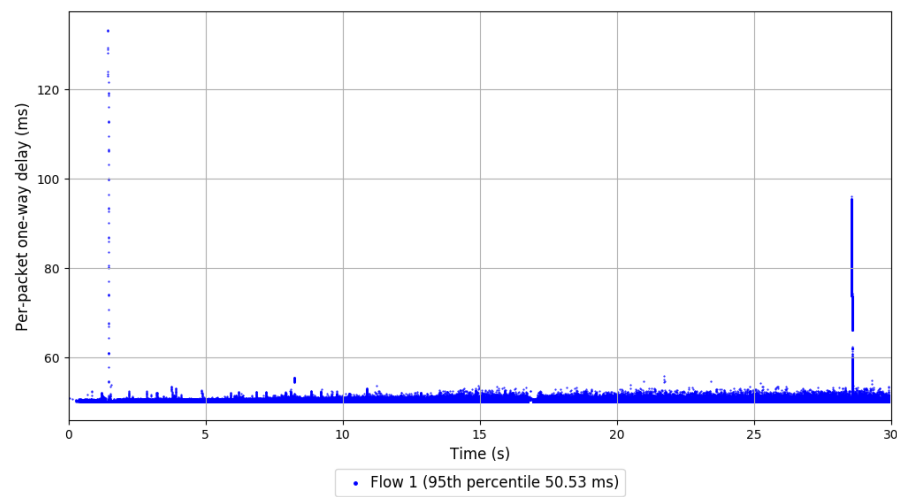
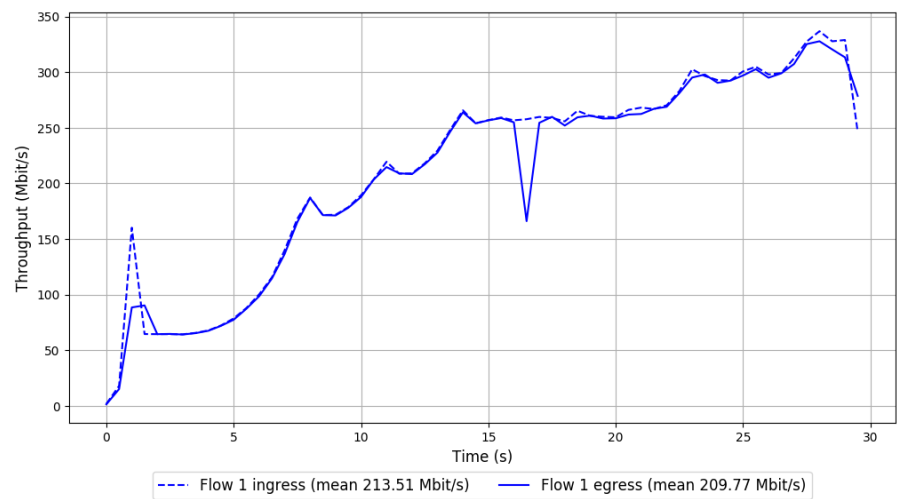
-- Flow 1:

Average throughput: 209.77 Mbit/s

95th percentile per-packet one-way delay: 50.530 ms

Loss rate: 1.76%

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Sun, 06 Aug 2017 14:35:11 +0000

End at: Sun, 06 Aug 2017 14:35:41 +0000

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

Datalink statistics

-- Total of 1 flow:

Average throughput: 352.61 Mbit/s

95th percentile per-packet one-way delay: 51.570 ms

Loss rate: 4.84%

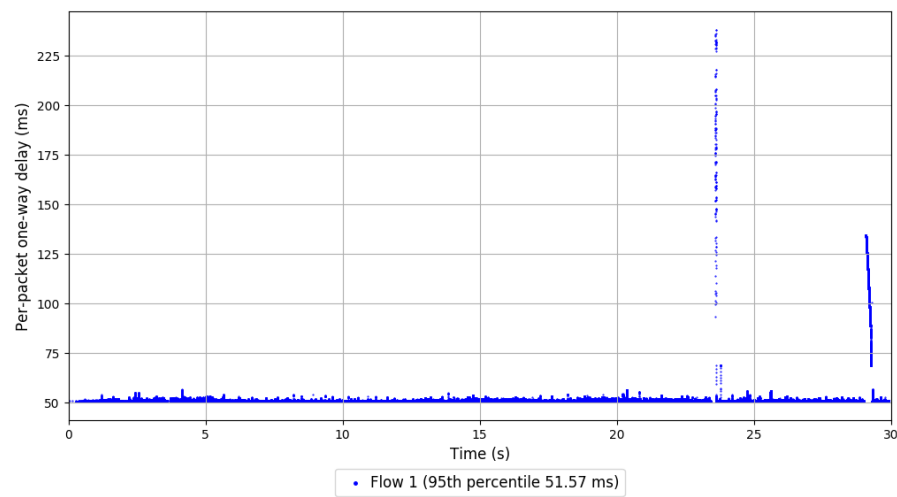
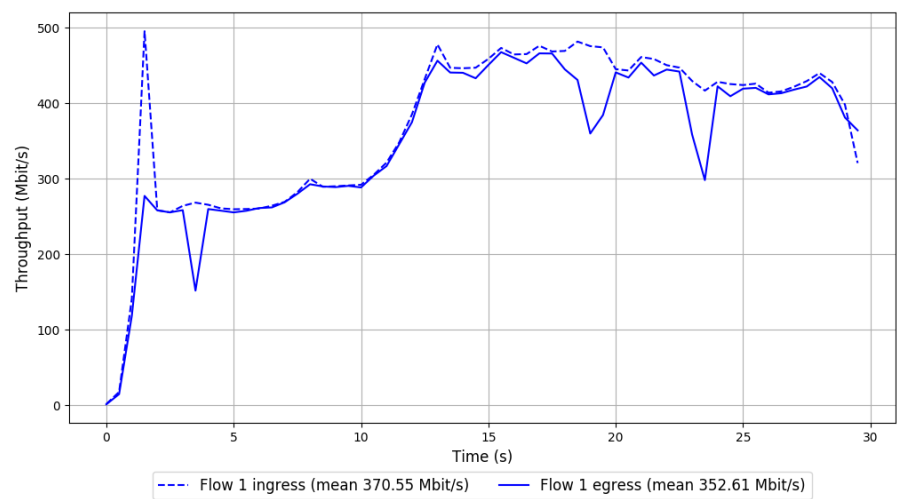
-- Flow 1:

Average throughput: 352.61 Mbit/s

95th percentile per-packet one-way delay: 51.570 ms

Loss rate: 4.84%

Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Sun, 06 Aug 2017 14:45:12 +0000

End at: Sun, 06 Aug 2017 14:45:42 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:44:29 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 368.00 Mbit/s

95th percentile per-packet one-way delay: 51.757 ms

Loss rate: 4.28%

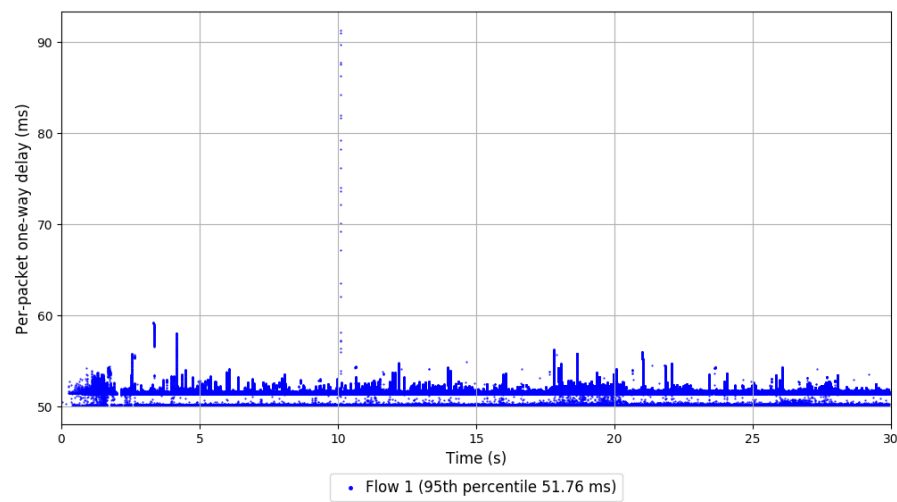
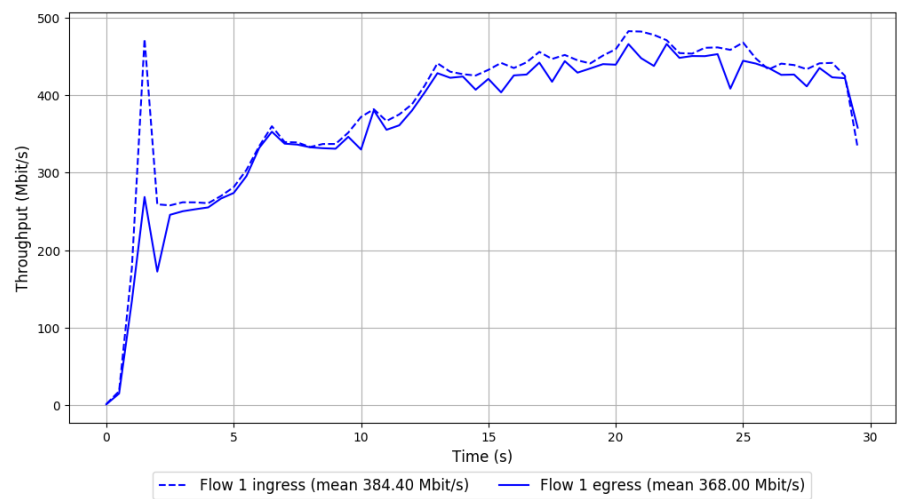
-- Flow 1:

Average throughput: 368.00 Mbit/s

95th percentile per-packet one-way delay: 51.757 ms

Loss rate: 4.28%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Sun, 06 Aug 2017 14:55:06 +0000

End at: Sun, 06 Aug 2017 14:55:36 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:45:18 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 273.29 Mbit/s

95th percentile per-packet one-way delay: 51.551 ms

Loss rate: 5.18%

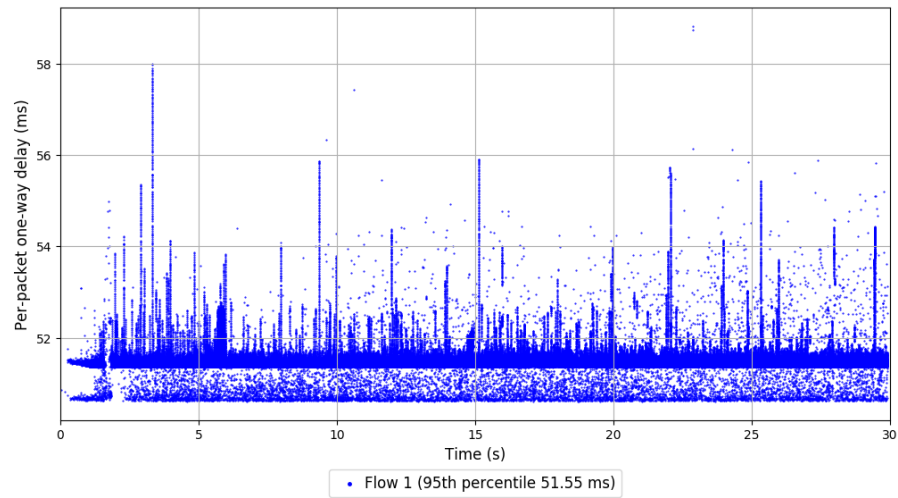
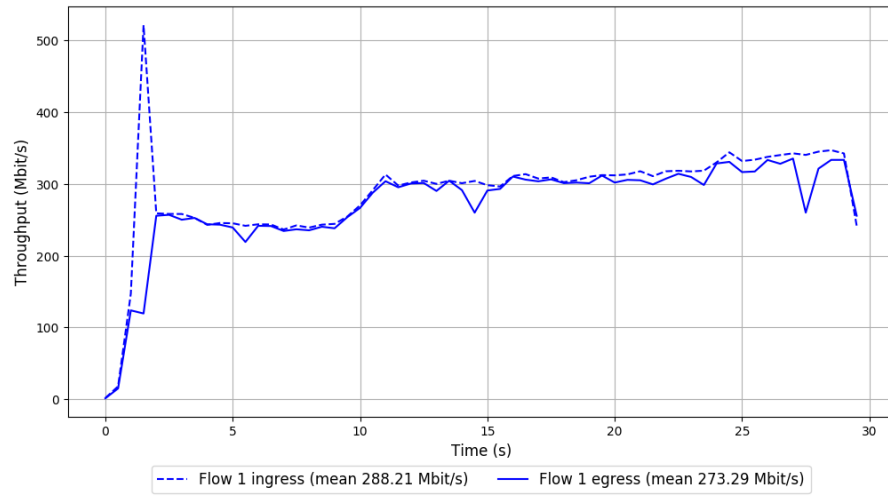
-- Flow 1:

Average throughput: 273.29 Mbit/s

95th percentile per-packet one-way delay: 51.551 ms

Loss rate: 5.18%

Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Sun, 06 Aug 2017 15:04:57 +0000

End at: Sun, 06 Aug 2017 15:05:27 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:45:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 362.50 Mbit/s

95th percentile per-packet one-way delay: 51.672 ms

Loss rate: 6.38%

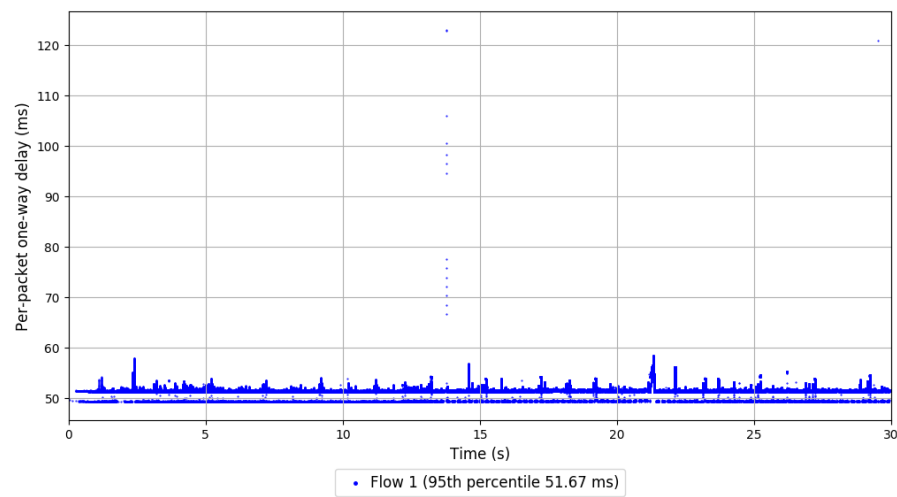
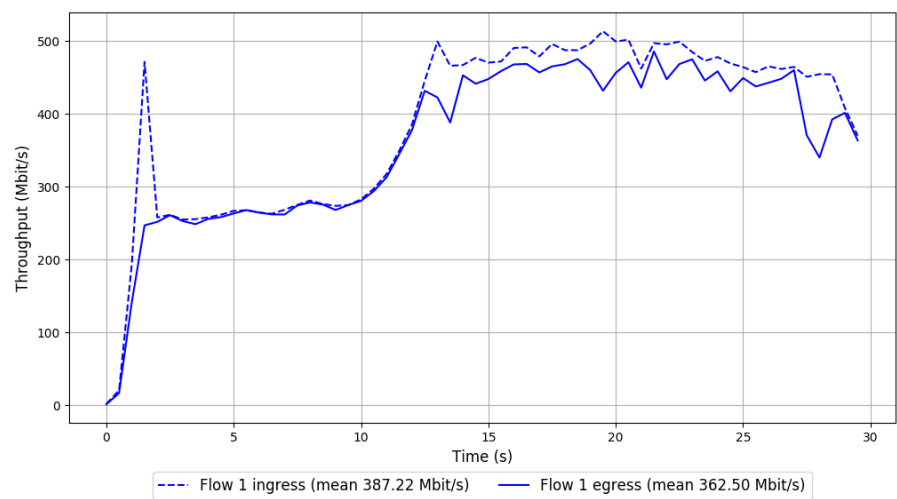
-- Flow 1:

Average throughput: 362.50 Mbit/s

95th percentile per-packet one-way delay: 51.672 ms

Loss rate: 6.38%

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Sun, 06 Aug 2017 15:15:05 +0000

End at: Sun, 06 Aug 2017 15:15:35 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:45:55 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 238.07 Mbit/s

95th percentile per-packet one-way delay: 50.903 ms

Loss rate: 6.79%

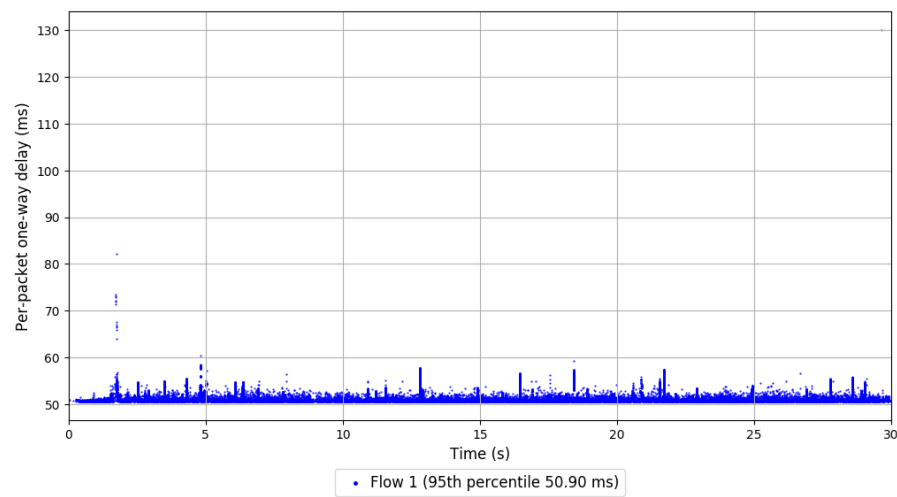
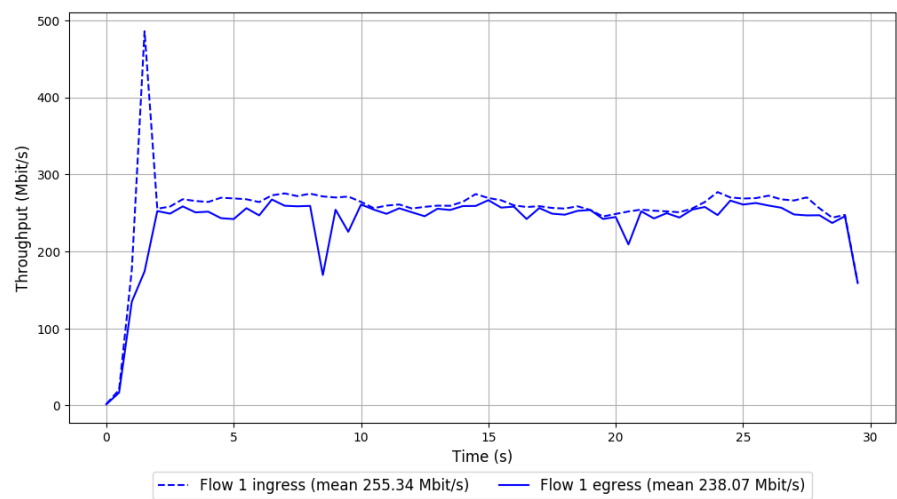
-- Flow 1:

Average throughput: 238.07 Mbit/s

95th percentile per-packet one-way delay: 50.903 ms

Loss rate: 6.79%

Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Sun, 06 Aug 2017 15:24:54 +0000

End at: Sun, 06 Aug 2017 15:25:24 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:46:42 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 325.01 Mbit/s

95th percentile per-packet one-way delay: 51.606 ms

Loss rate: 3.02%

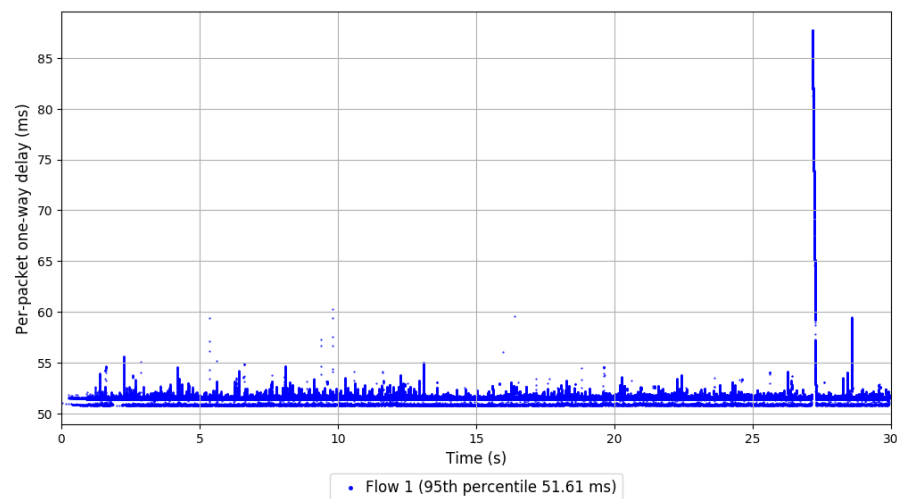
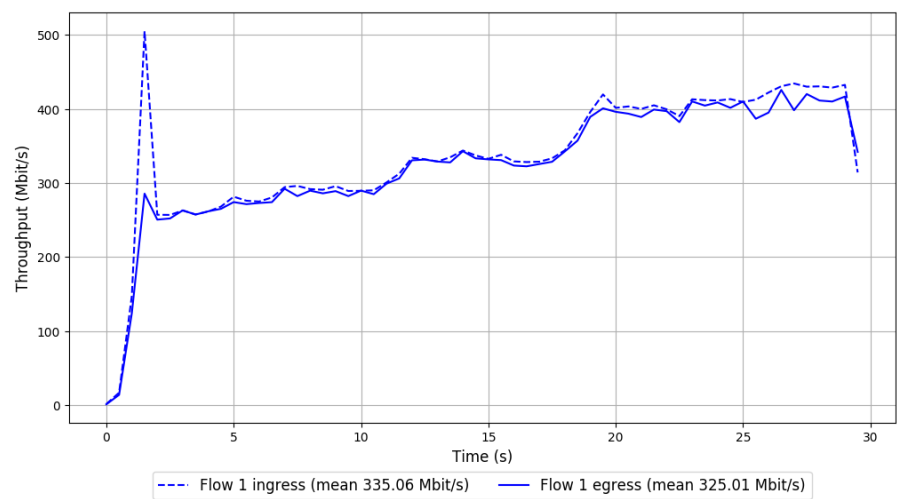
-- Flow 1:

Average throughput: 325.01 Mbit/s

95th percentile per-packet one-way delay: 51.606 ms

Loss rate: 3.02%

Run 10: Report of PCC — Data Link

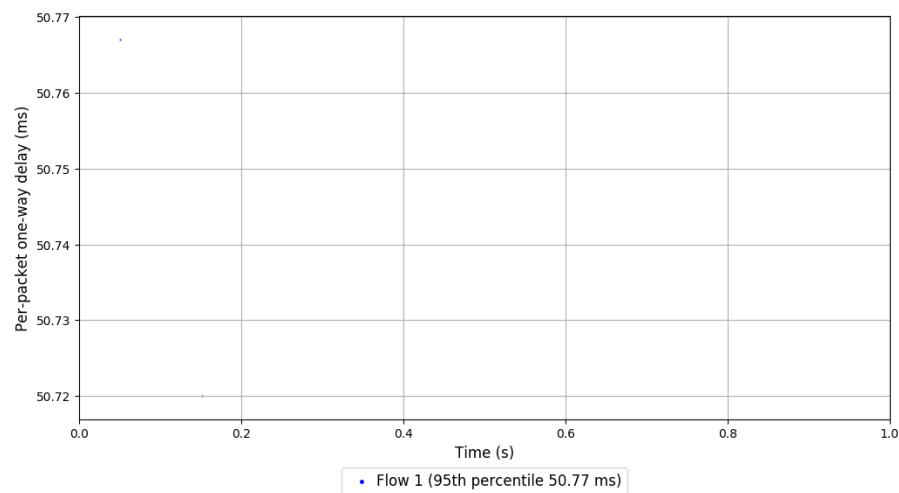
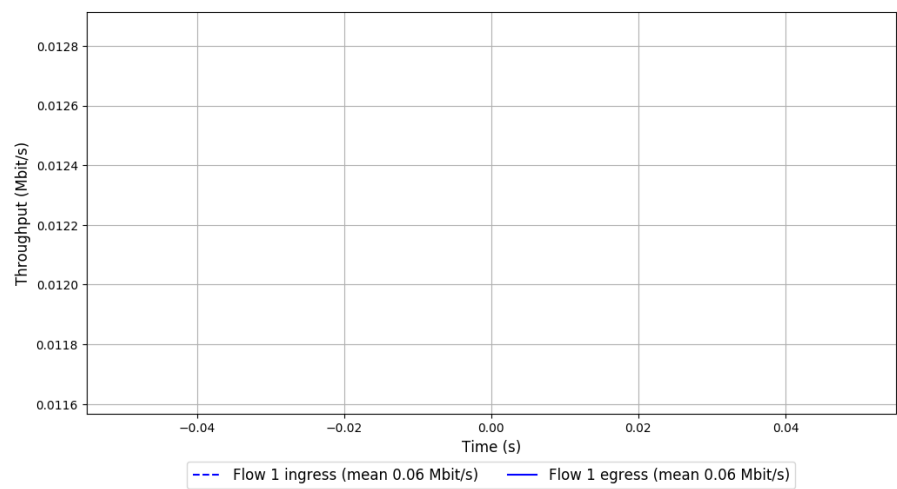


Run 1: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 13:46:45 +0000

End at: Sun, 06 Aug 2017 13:47:15 +0000

Run 1: Report of QUIC Cubic — Data Link

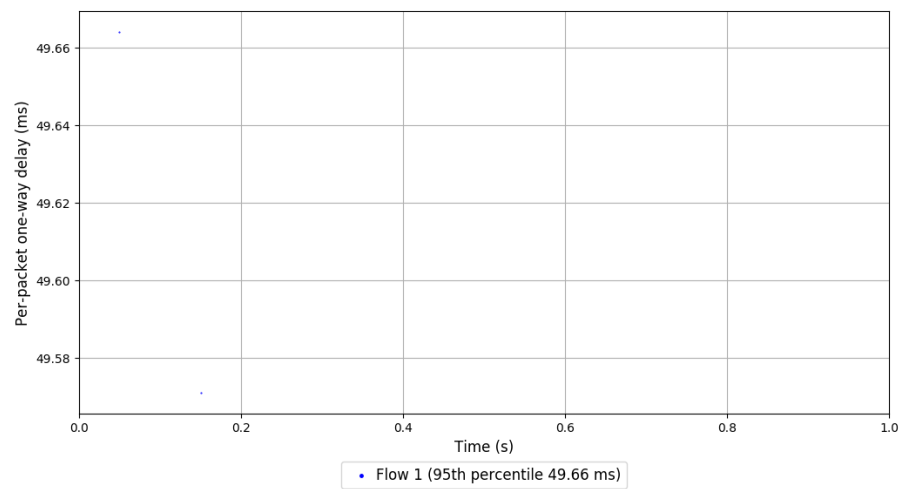
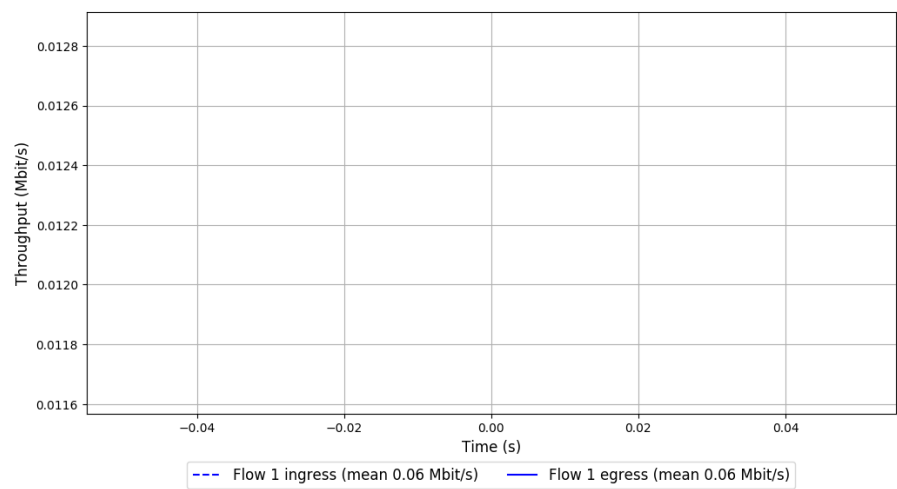


Run 2: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 13:56:55 +0000

End at: Sun, 06 Aug 2017 13:57:25 +0000

Run 2: Report of QUIC Cubic — Data Link

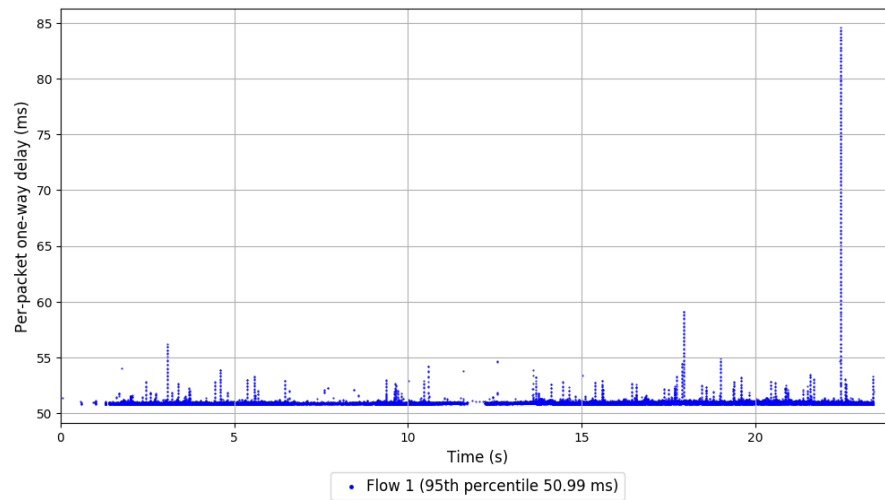
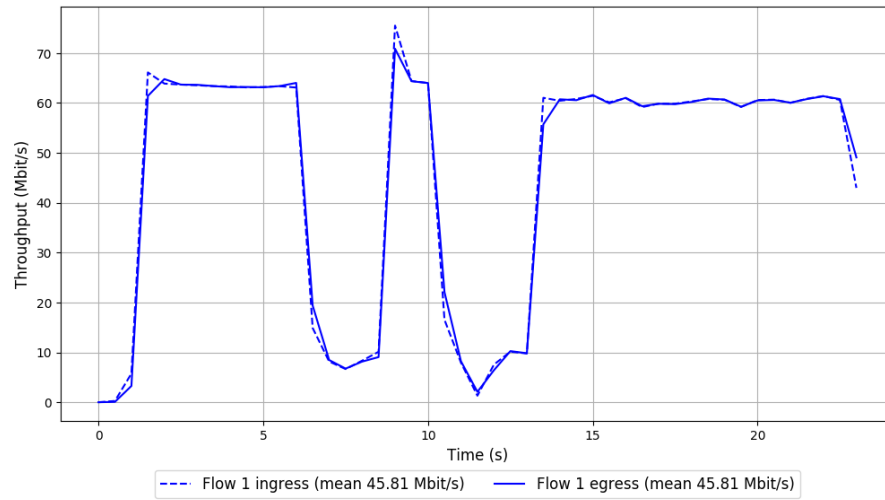


Run 3: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 14:06:41 +0000

End at: Sun, 06 Aug 2017 14:07:11 +0000

Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 14:16:59 +0000

End at: Sun, 06 Aug 2017 14:17:29 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:46:42 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.78 Mbit/s

95th percentile per-packet one-way delay: 50.272 ms

Loss rate: 0.00%

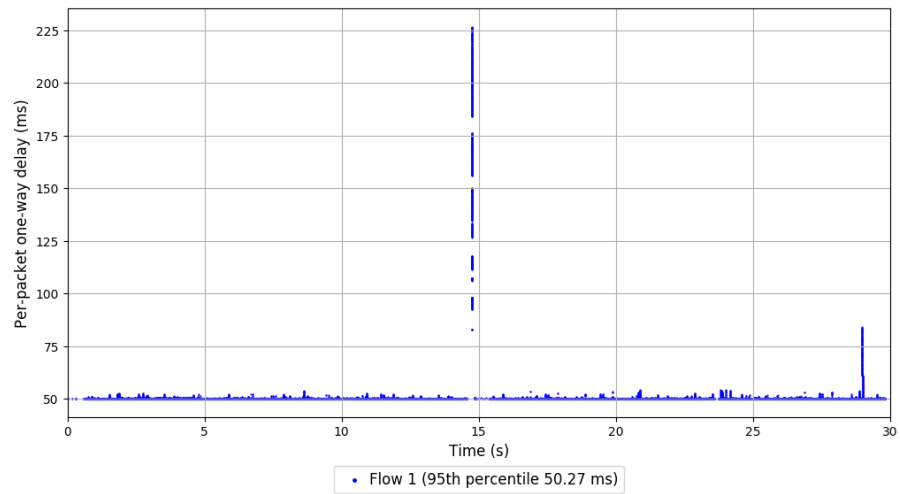
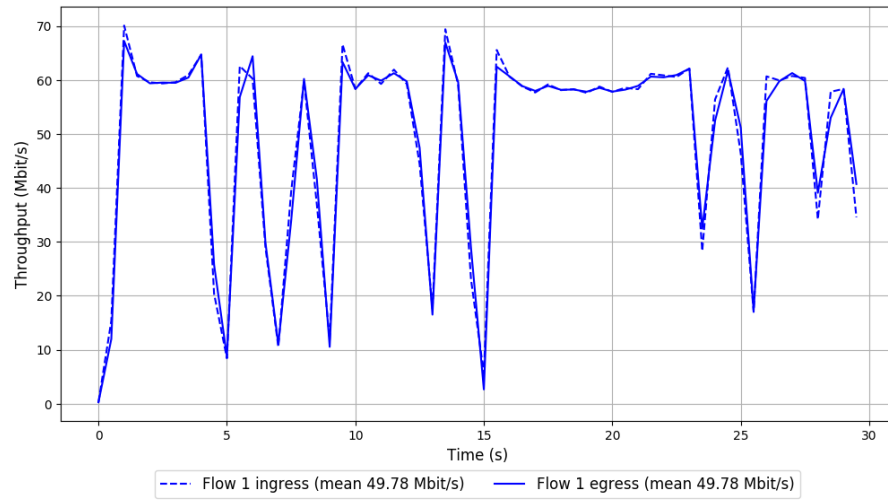
-- Flow 1:

Average throughput: 49.78 Mbit/s

95th percentile per-packet one-way delay: 50.272 ms

Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 14:26:49 +0000

End at: Sun, 06 Aug 2017 14:27:19 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:46:42 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 48.83 Mbit/s

95th percentile per-packet one-way delay: 49.545 ms

Loss rate: 0.00%

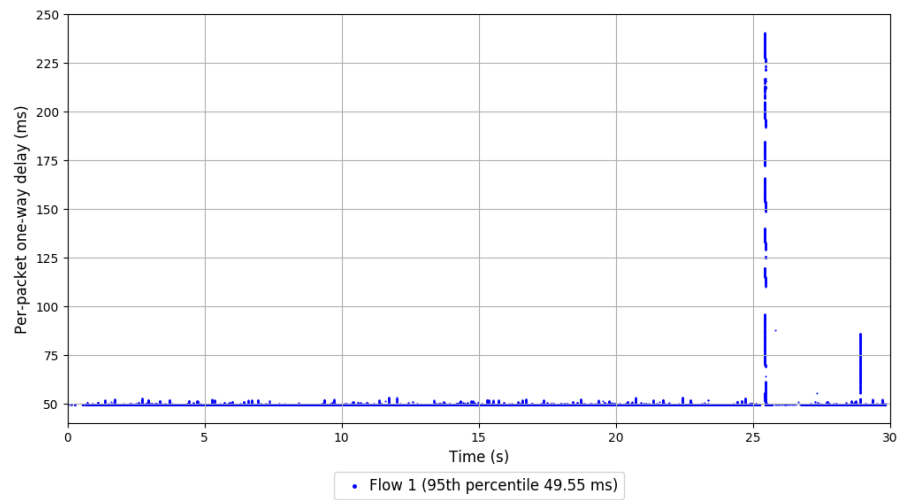
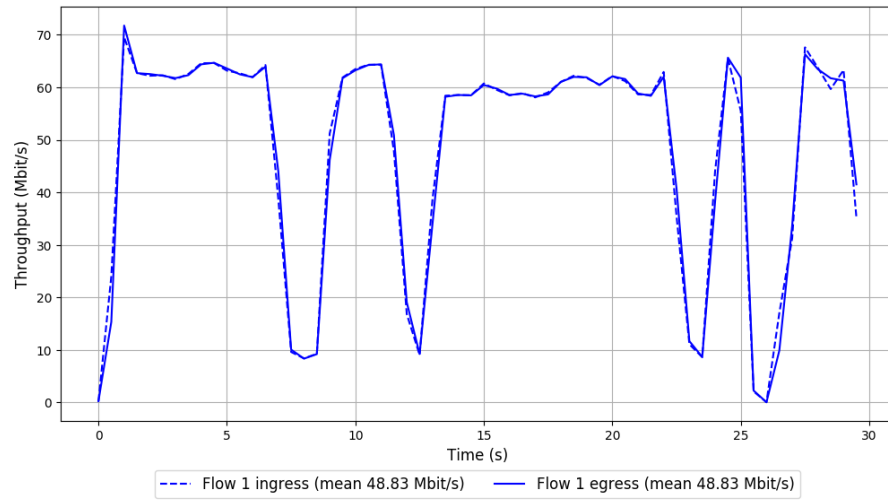
-- Flow 1:

Average throughput: 48.83 Mbit/s

95th percentile per-packet one-way delay: 49.545 ms

Loss rate: 0.00%

Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 14:36:37 +0000

End at: Sun, 06 Aug 2017 14:37:07 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:46:42 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 50.58 Mbit/s

95th percentile per-packet one-way delay: 50.974 ms

Loss rate: 0.00%

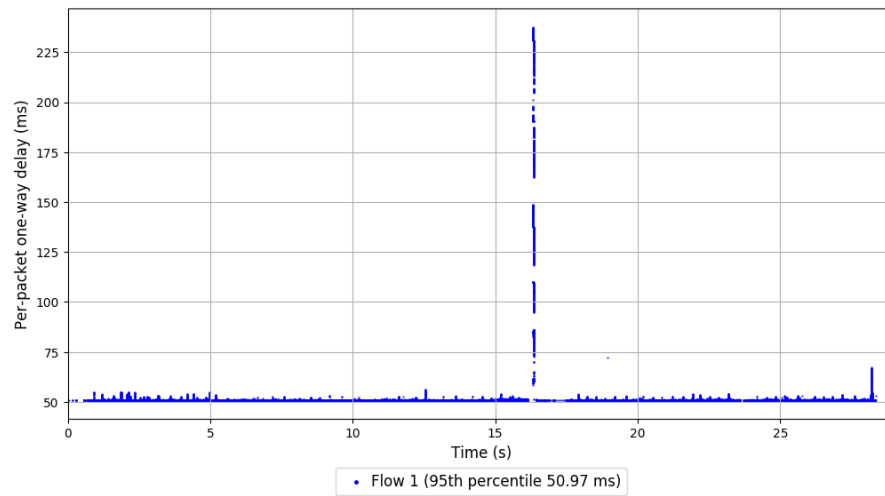
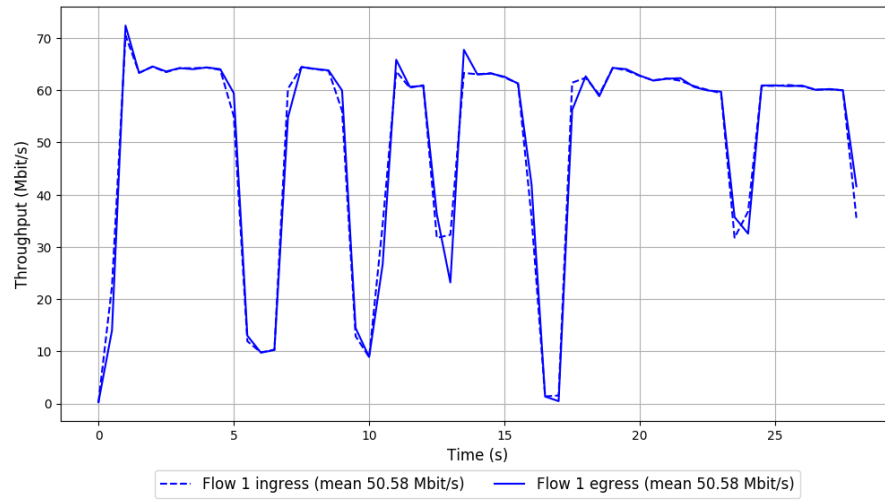
-- Flow 1:

Average throughput: 50.58 Mbit/s

95th percentile per-packet one-way delay: 50.974 ms

Loss rate: 0.00%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 14:46:45 +0000

End at: Sun, 06 Aug 2017 14:47:15 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:46:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 52.60 Mbit/s

95th percentile per-packet one-way delay: 50.756 ms

Loss rate: 0.00%

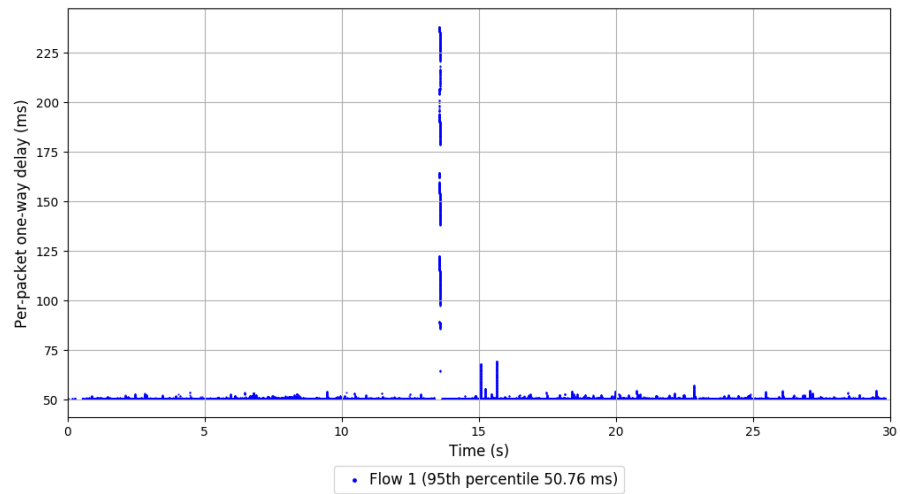
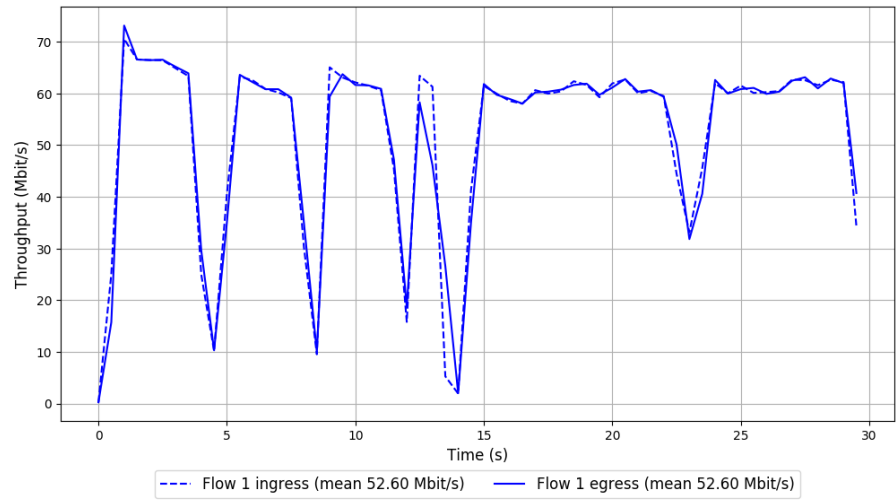
-- Flow 1:

Average throughput: 52.60 Mbit/s

95th percentile per-packet one-way delay: 50.756 ms

Loss rate: 0.00%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 14:56:30 +0000

End at: Sun, 06 Aug 2017 14:57:00 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:46:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 53.15 Mbit/s

95th percentile per-packet one-way delay: 50.947 ms

Loss rate: 0.00%

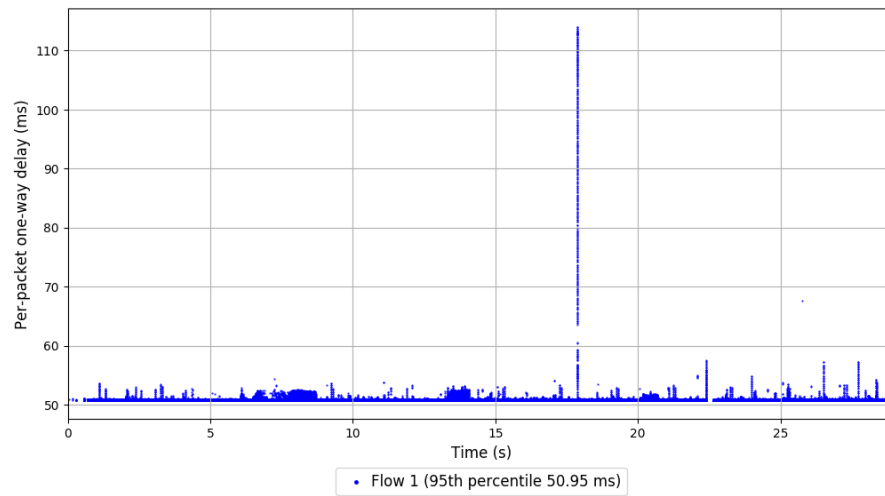
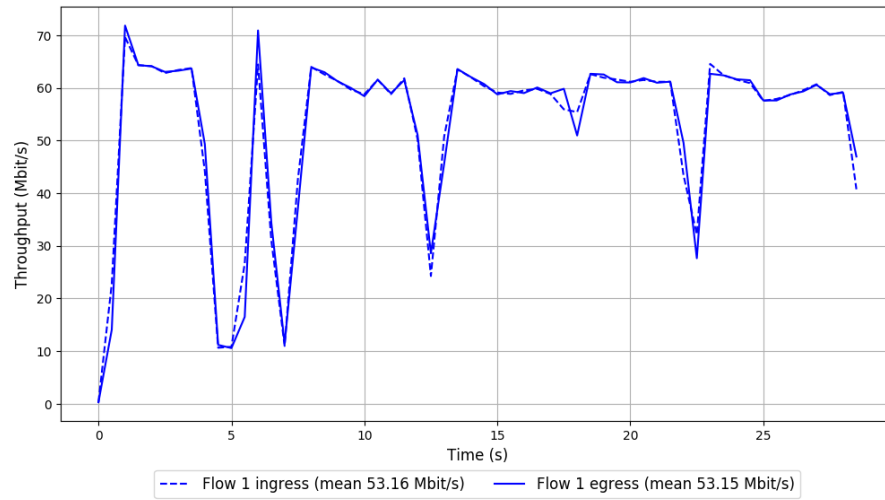
-- Flow 1:

Average throughput: 53.15 Mbit/s

95th percentile per-packet one-way delay: 50.947 ms

Loss rate: 0.00%

Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 15:06:25 +0000

End at: Sun, 06 Aug 2017 15:06:55 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 54.38 Mbit/s

95th percentile per-packet one-way delay: 49.499 ms

Loss rate: 0.00%

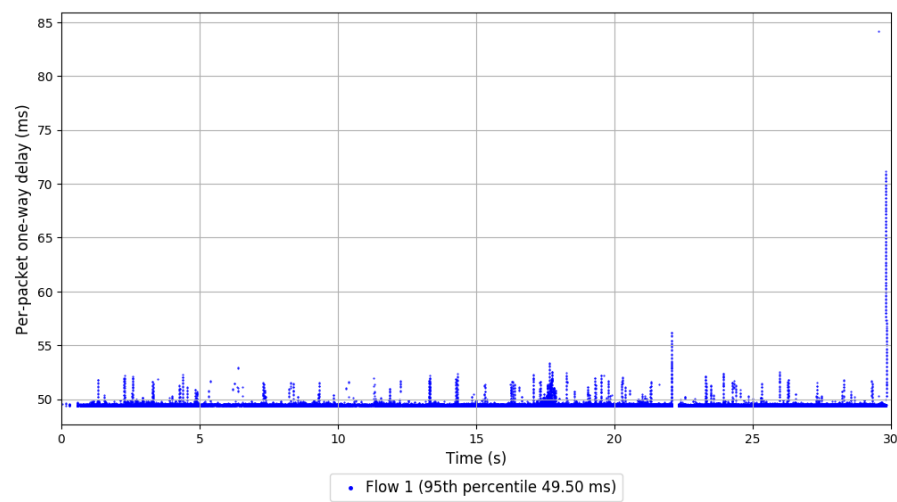
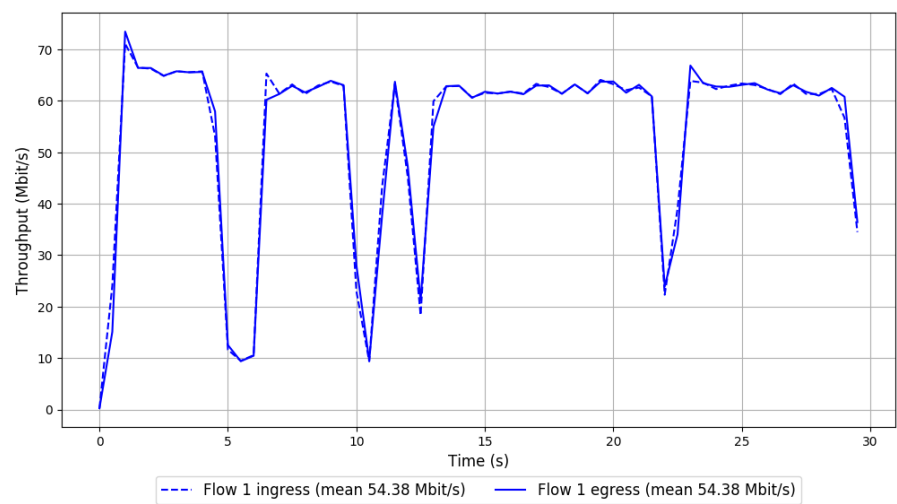
-- Flow 1:

Average throughput: 54.38 Mbit/s

95th percentile per-packet one-way delay: 49.499 ms

Loss rate: 0.00%

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: Sun, 06 Aug 2017 15:16:29 +0000

End at: Sun, 06 Aug 2017 15:16:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:07 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 51.02 Mbit/s

95th percentile per-packet one-way delay: 51.395 ms

Loss rate: 0.00%

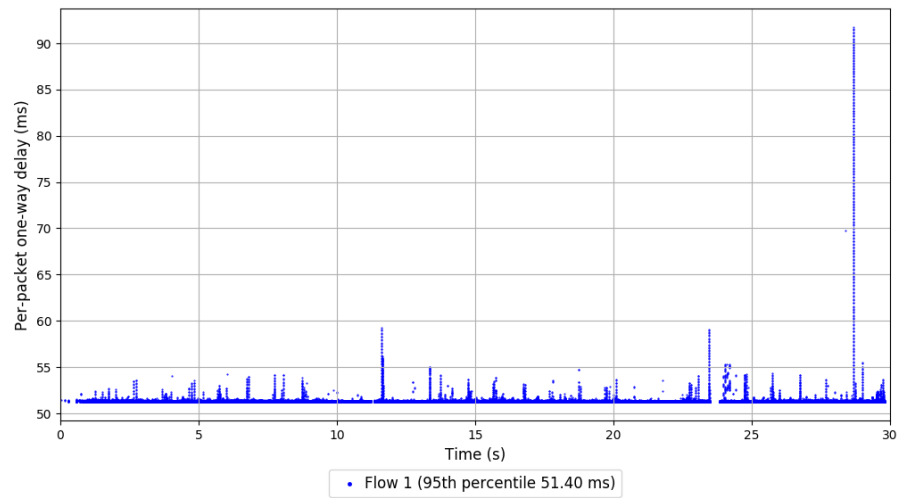
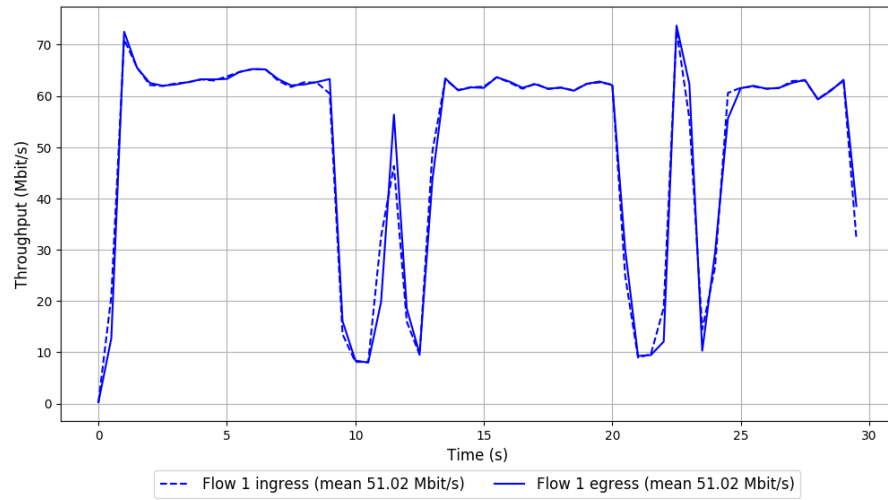
-- Flow 1:

Average throughput: 51.02 Mbit/s

95th percentile per-packet one-way delay: 51.395 ms

Loss rate: 0.00%

Run 10: Report of QUIC Cubic — Data Link

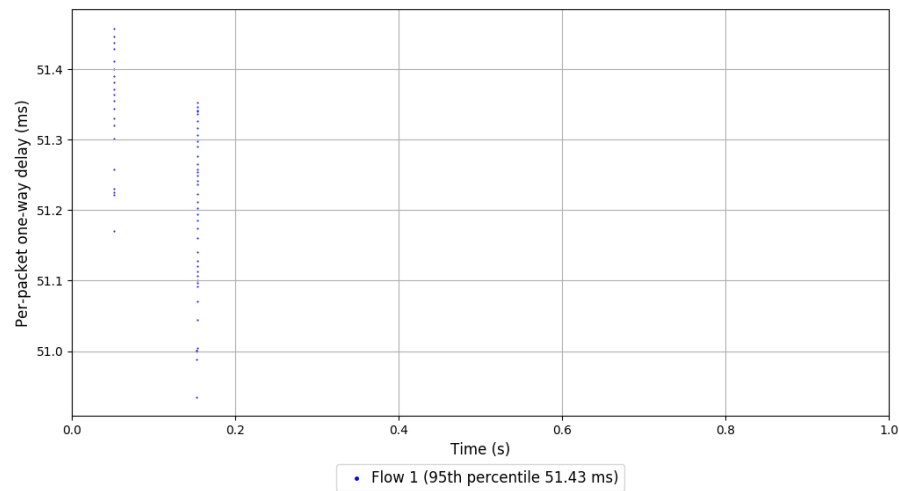
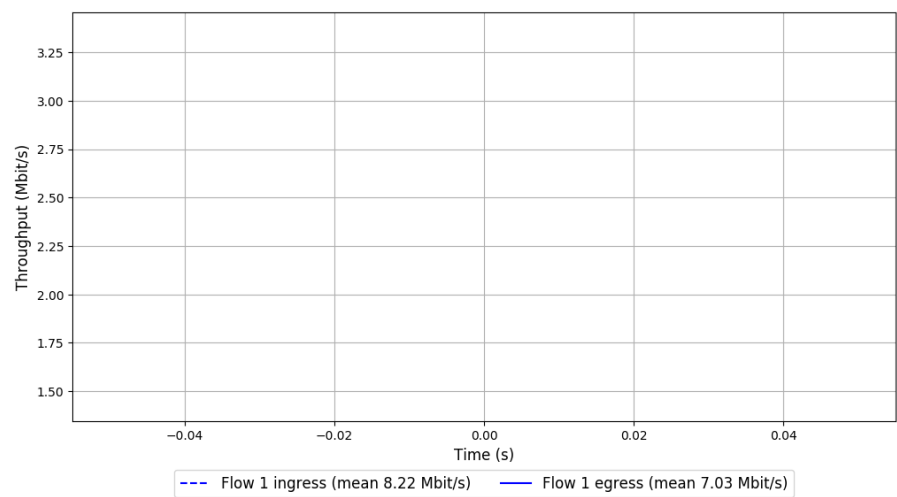


Run 1: Statistics of Saturator

Start at: Sun, 06 Aug 2017 13:54:46 +0000

End at: Sun, 06 Aug 2017 13:55:16 +0000

Run 1: Report of Saturator — Data Link

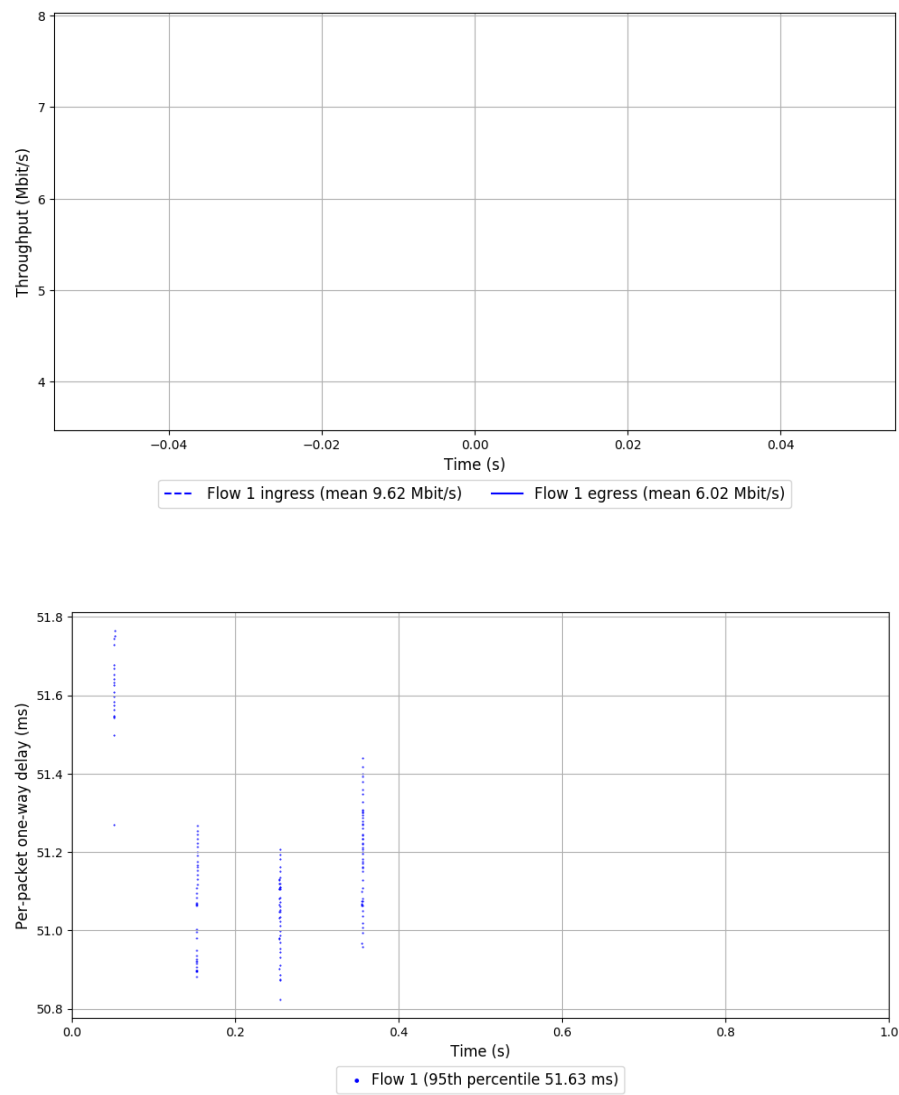


Run 2: Statistics of Saturator

Start at: Sun, 06 Aug 2017 14:04:42 +0000

End at: Sun, 06 Aug 2017 14:05:12 +0000

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Sun, 06 Aug 2017 14:14:45 +0000

End at: Sun, 06 Aug 2017 14:15:15 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:09 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.26 Mbit/s

95th percentile per-packet one-way delay: 50.808 ms

Loss rate: 48.43%

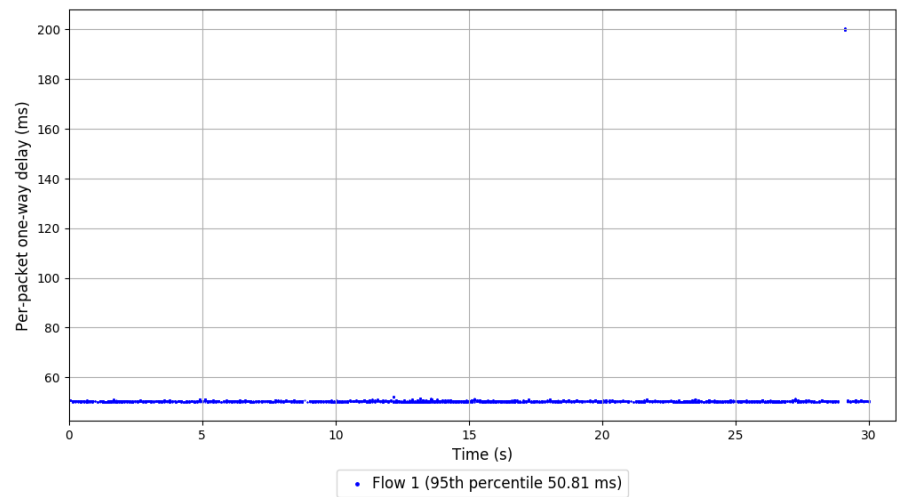
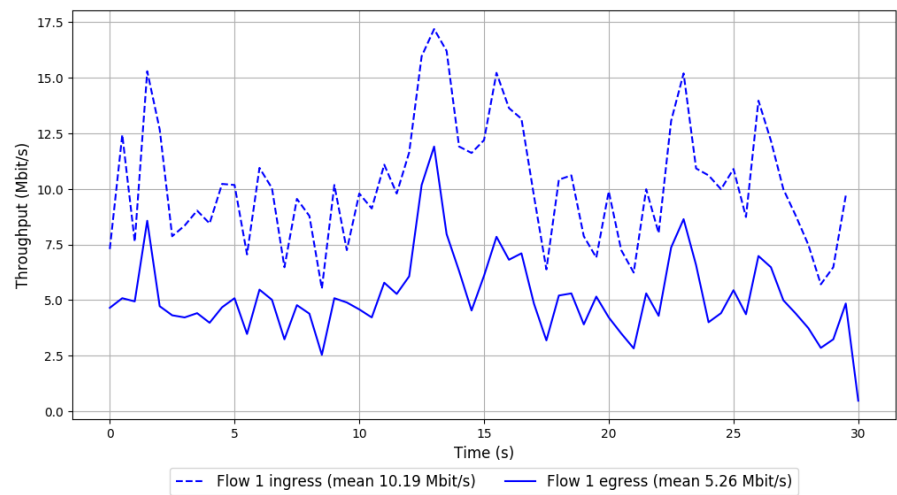
-- Flow 1:

Average throughput: 5.26 Mbit/s

95th percentile per-packet one-way delay: 50.808 ms

Loss rate: 48.43%

Run 3: Report of Saturator — Data Link

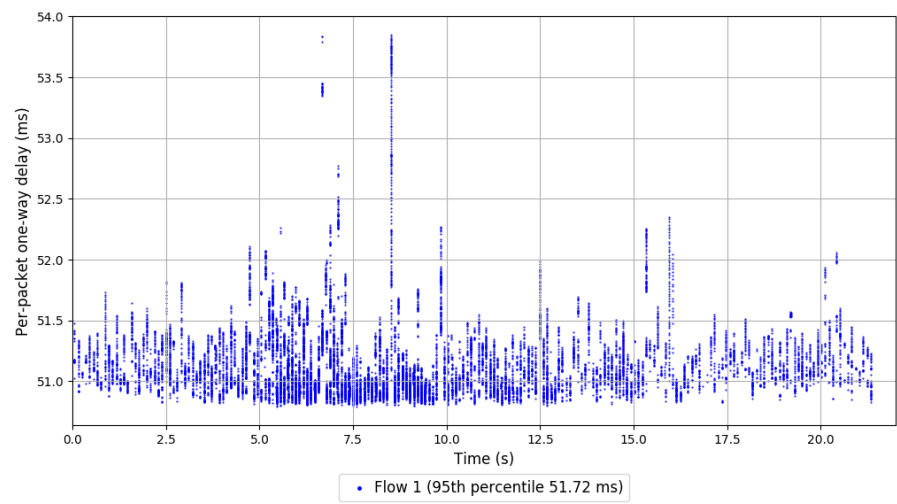
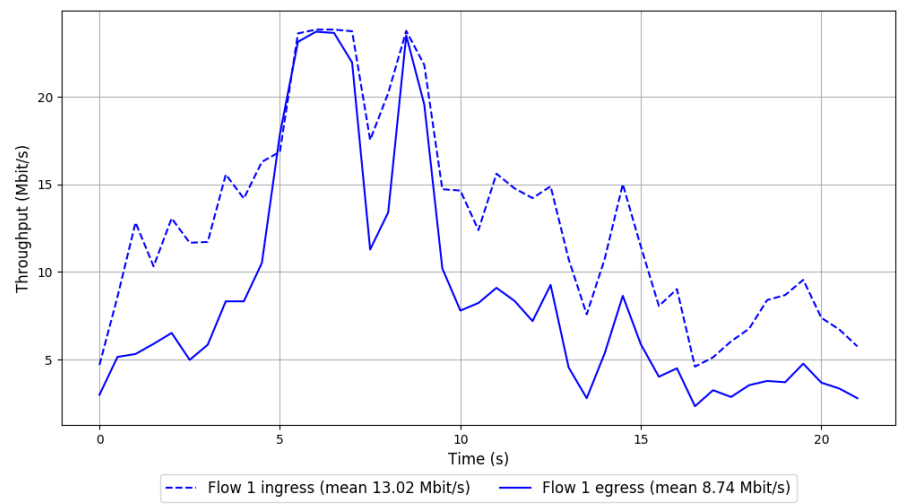


Run 4: Statistics of Saturator

Start at: Sun, 06 Aug 2017 14:24:50 +0000

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

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Sun, 06 Aug 2017 14:34:32 +0000

End at: Sun, 06 Aug 2017 14:35:02 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:16 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 23.62 Mbit/s

95th percentile per-packet one-way delay: 51.278 ms

Loss rate: 0.17%

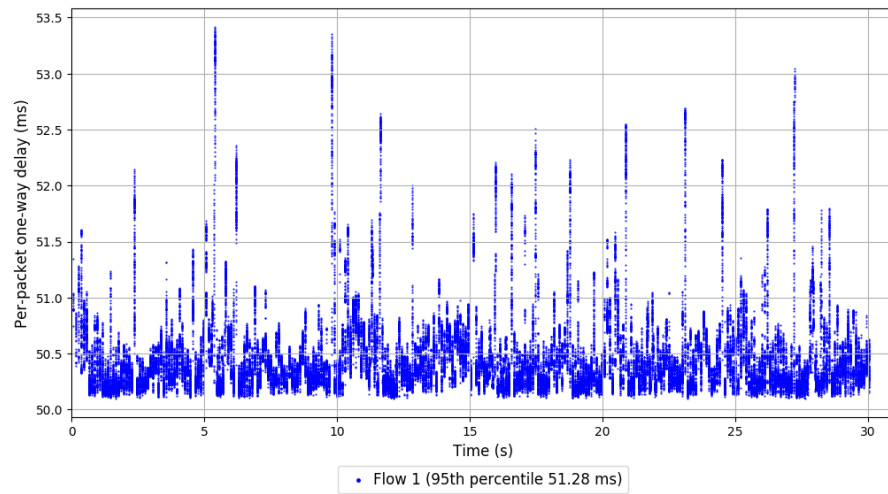
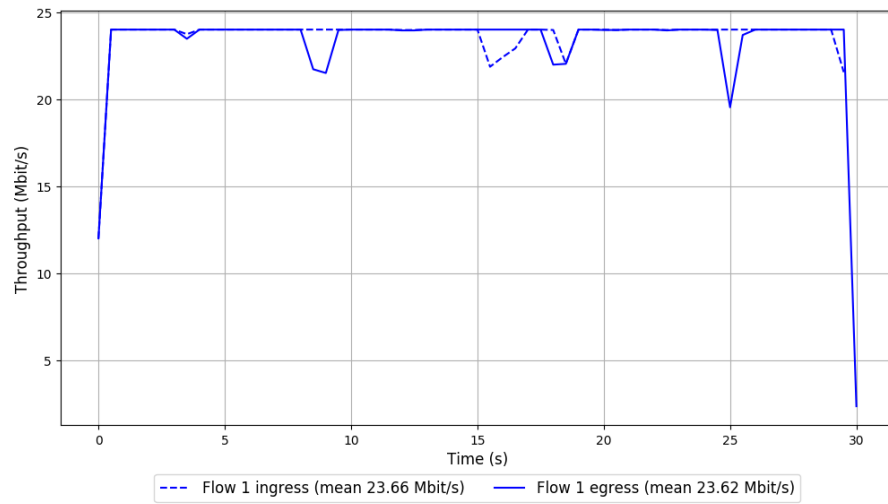
-- Flow 1:

Average throughput: 23.62 Mbit/s

95th percentile per-packet one-way delay: 51.278 ms

Loss rate: 0.17%

Run 5: Report of Saturator — Data Link

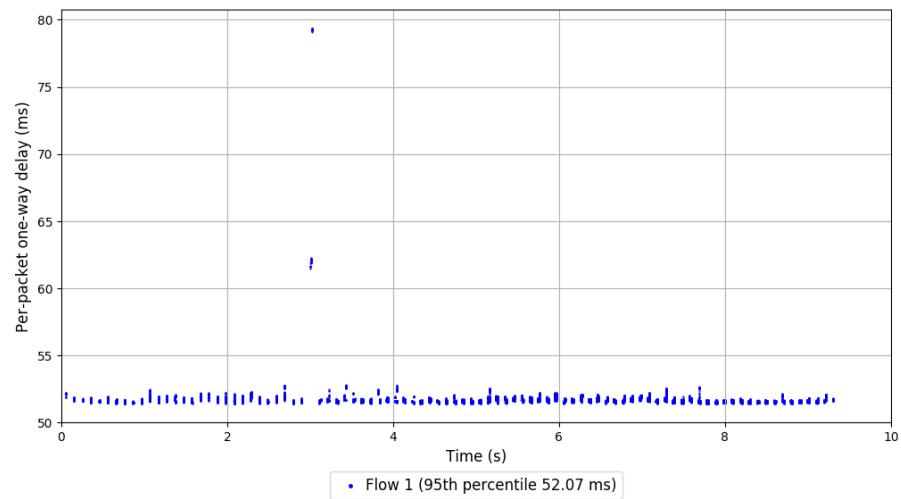
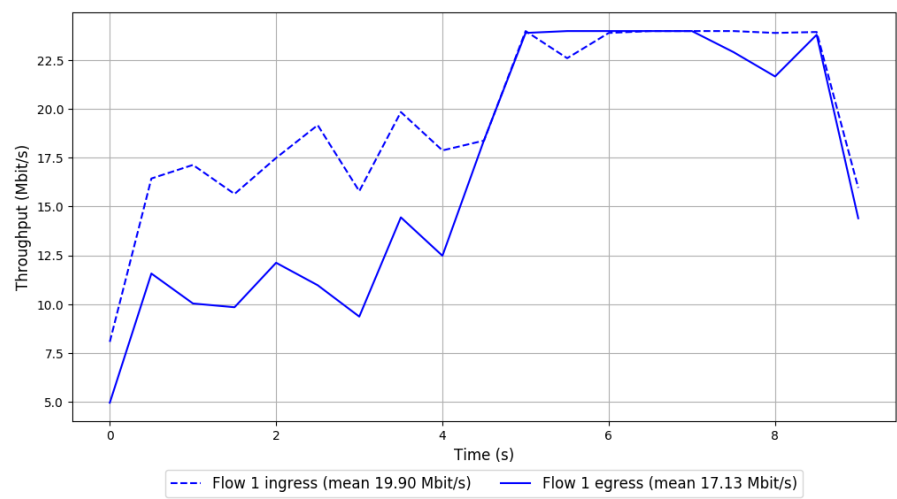


Run 6: Statistics of Saturator

Start at: Sun, 06 Aug 2017 14:44:35 +0000

End at: Sun, 06 Aug 2017 14:45:05 +0000

Run 6: Report of Saturator — Data Link

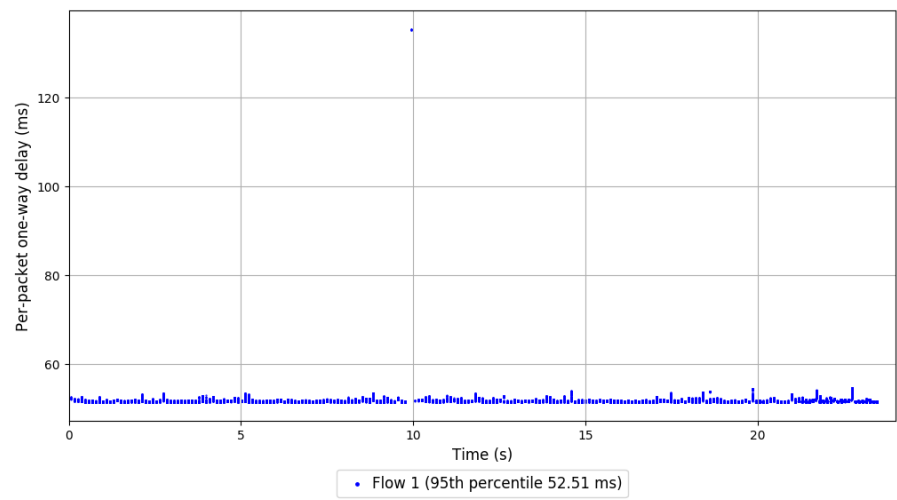
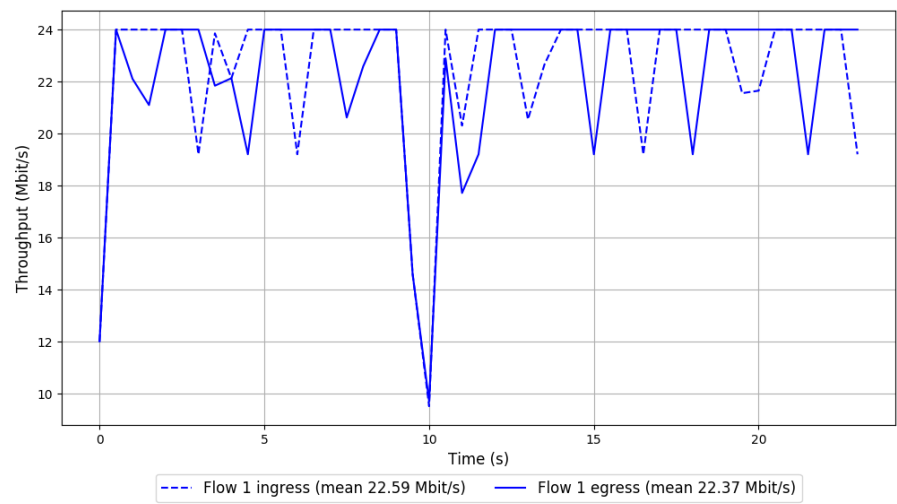


Run 7: Statistics of Saturator

Start at: Sun, 06 Aug 2017 14:54:28 +0000

End at: Sun, 06 Aug 2017 14:54:58 +0000

Run 7: Report of Saturator — Data Link

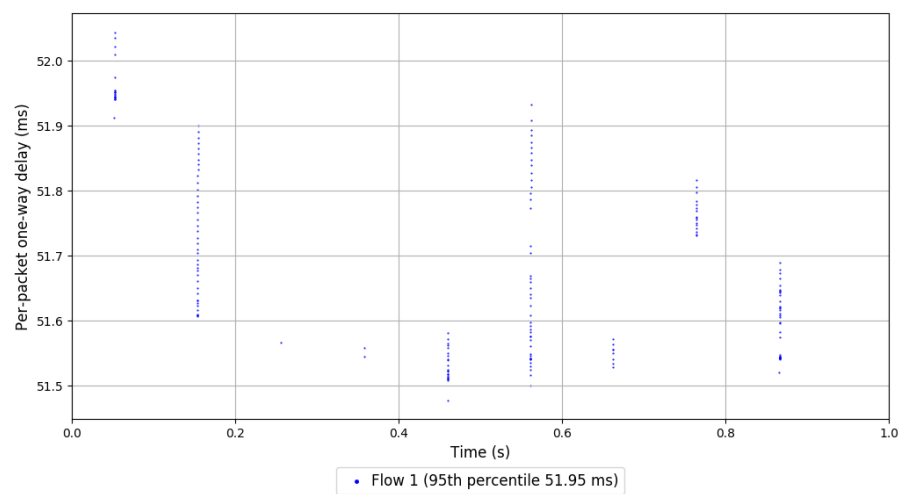
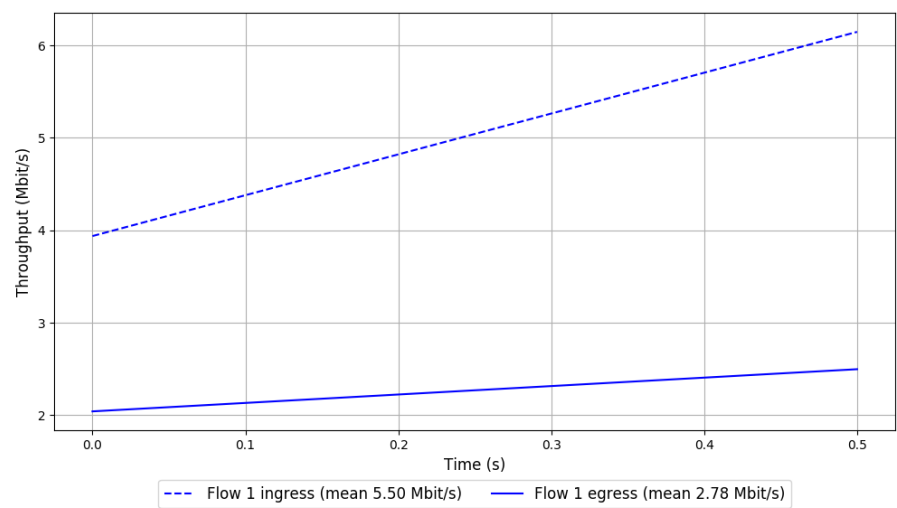


Run 8: Statistics of Saturator

Start at: Sun, 06 Aug 2017 15:04:21 +0000

End at: Sun, 06 Aug 2017 15:04:51 +0000

Run 8: Report of Saturator — Data Link

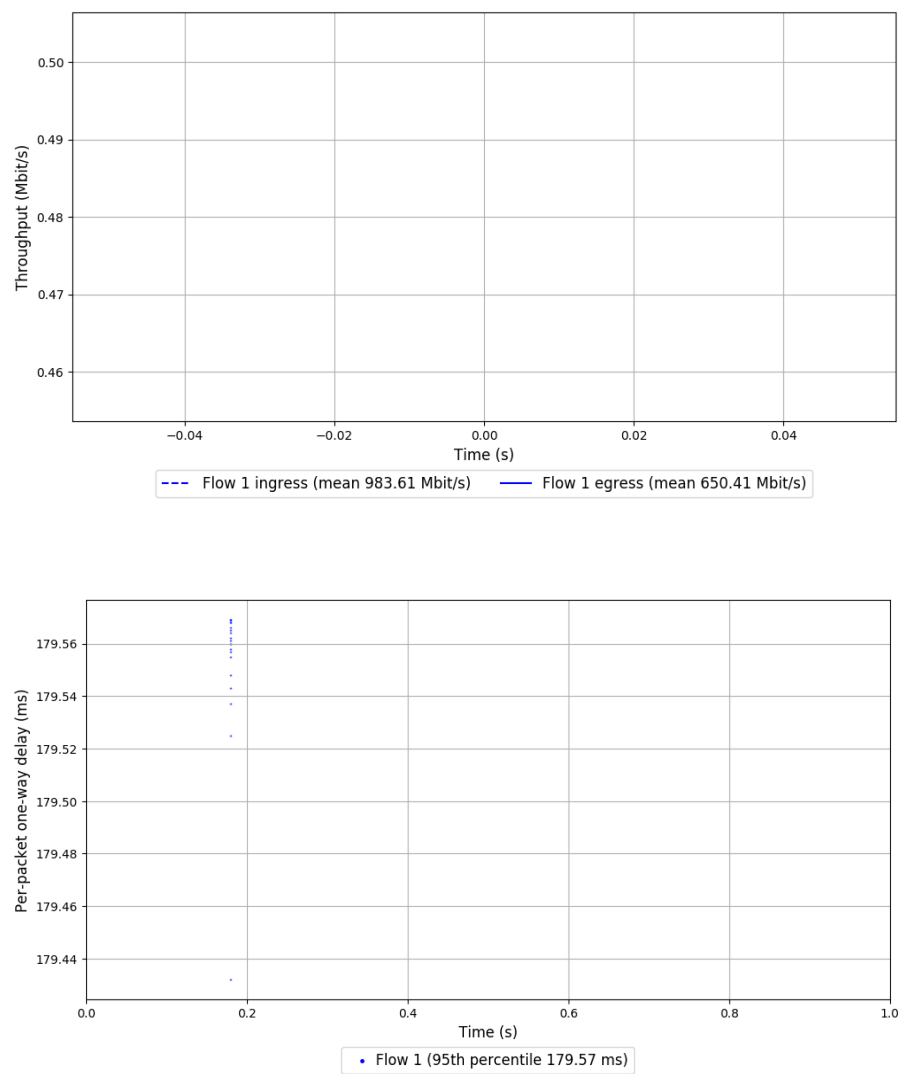


Run 9: Statistics of Saturator

Start at: Sun, 06 Aug 2017 15:14:29 +0000

End at: Sun, 06 Aug 2017 15:14:59 +0000

Run 9: Report of Saturator — Data Link

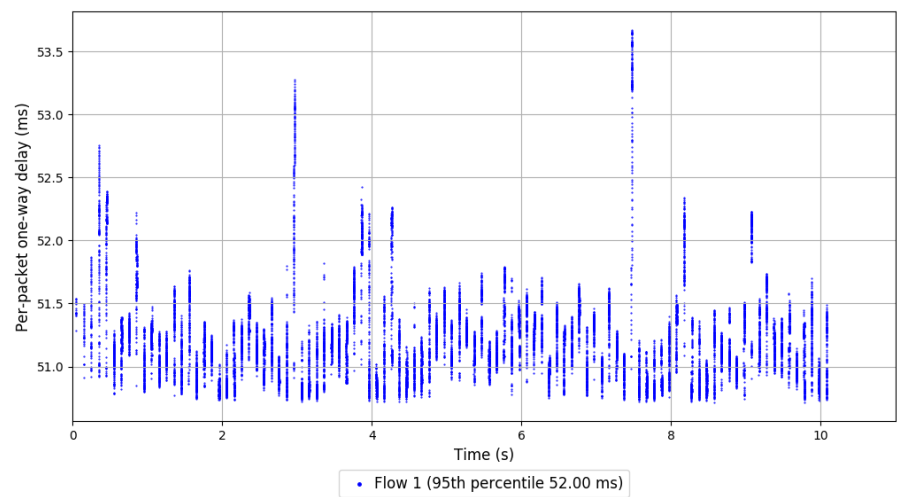
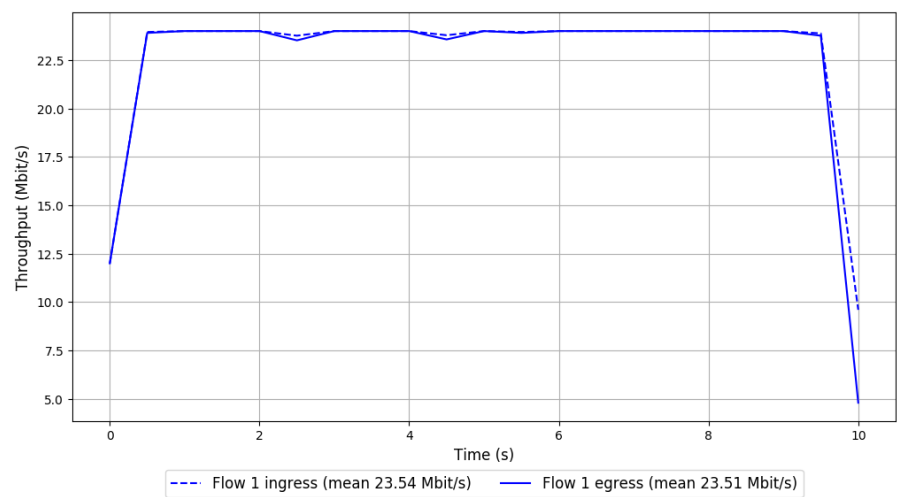


Run 10: Statistics of Saturator

Start at: Sun, 06 Aug 2017 15:24:16 +0000

End at: Sun, 06 Aug 2017 15:24:47 +0000

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 13:49:58 +0000

End at: Sun, 06 Aug 2017 13:50:28 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.015 ms

Loss rate: 0.00%

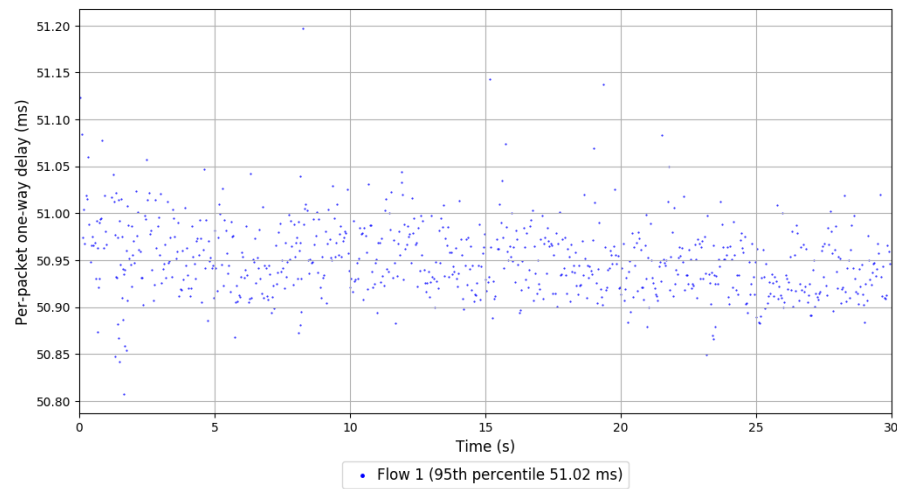
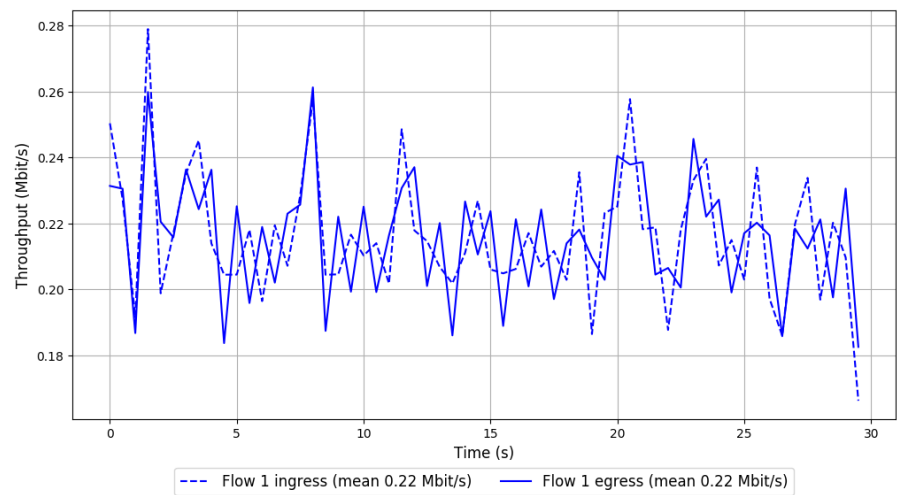
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.015 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 14:00:10 +0000

End at: Sun, 06 Aug 2017 14:00:40 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.686 ms

Loss rate: 0.00%

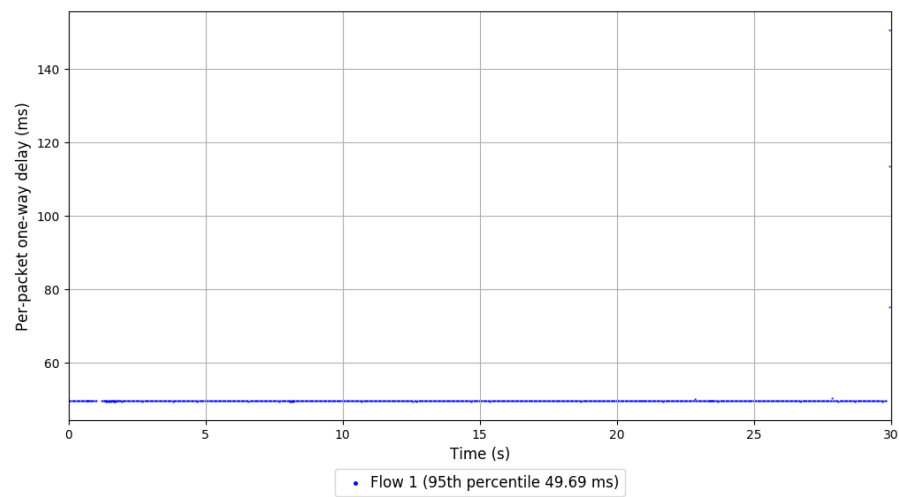
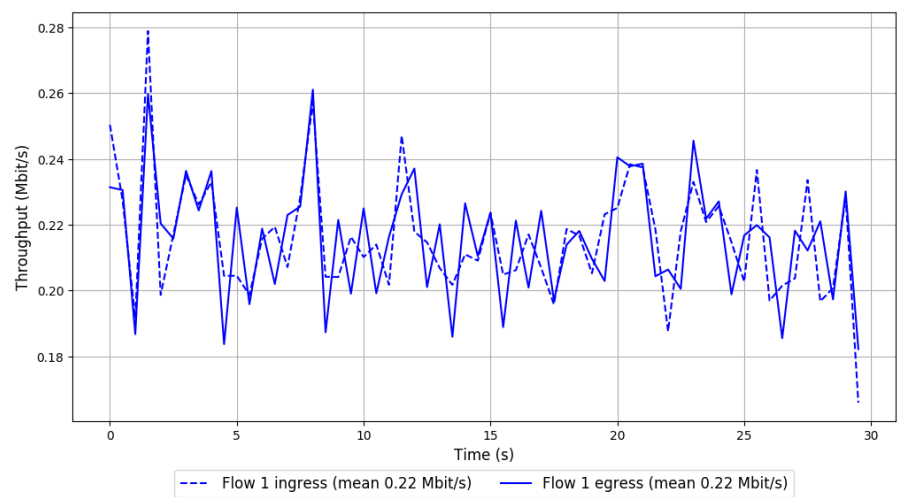
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.686 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 14:10:02 +0000

End at: Sun, 06 Aug 2017 14:10:32 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:21 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.724 ms

Loss rate: 0.00%

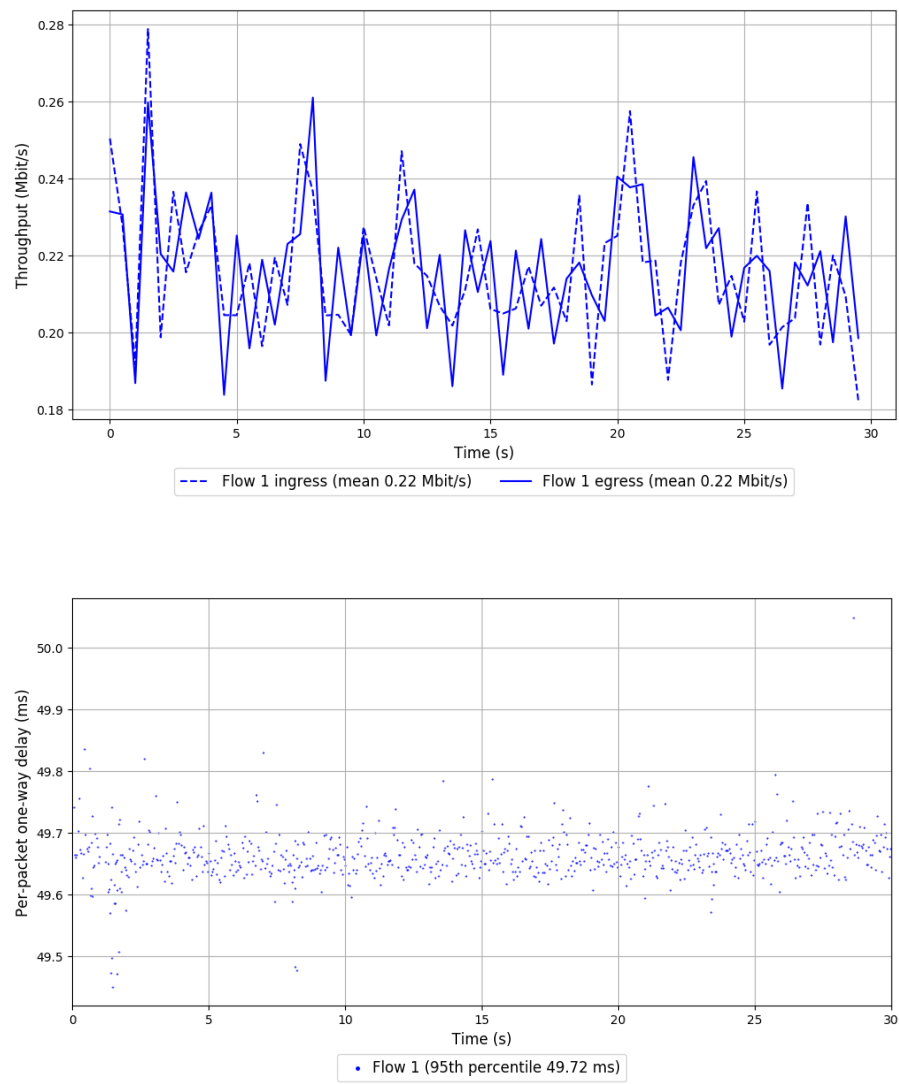
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.724 ms

Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

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

End at: Sun, 06 Aug 2017 14:20:42 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:22 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.695 ms

Loss rate: 0.00%

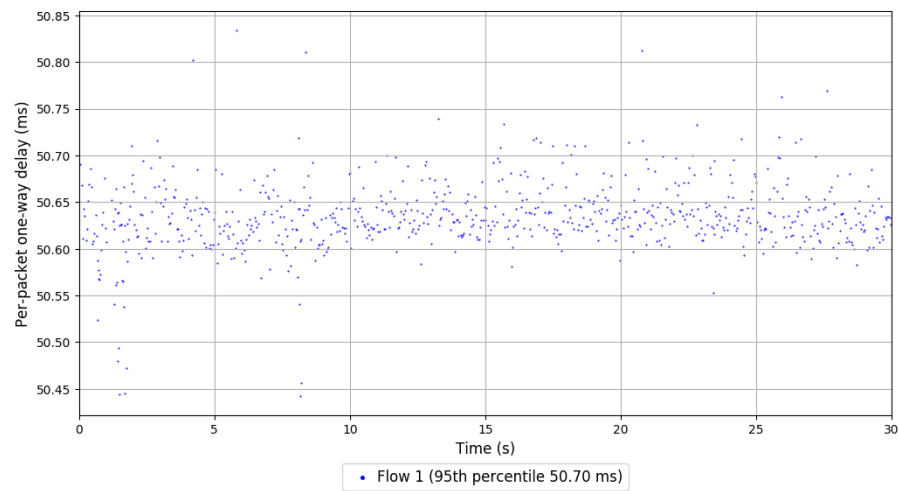
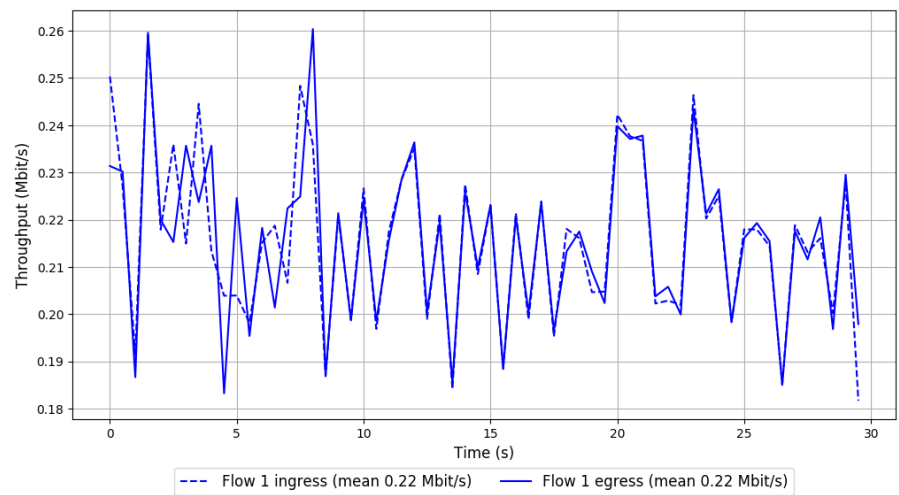
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.695 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 14:30:02 +0000

End at: Sun, 06 Aug 2017 14:30:32 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:23 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.657 ms

Loss rate: 0.00%

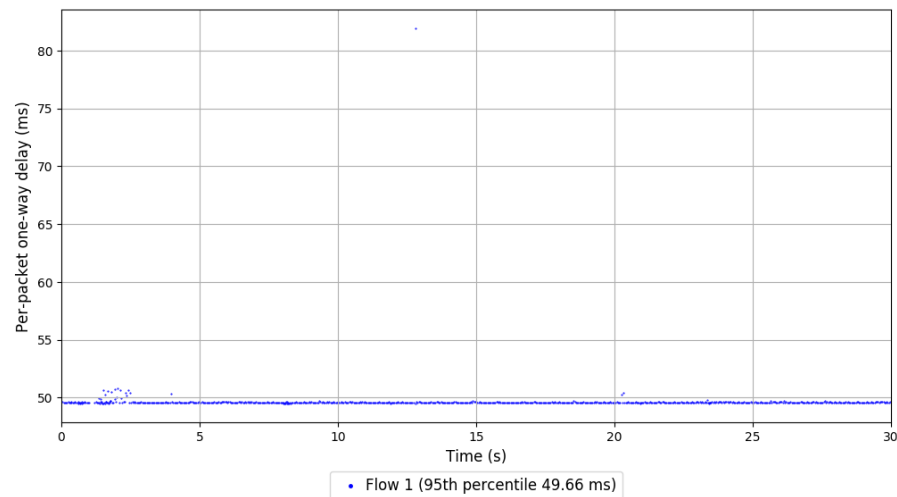
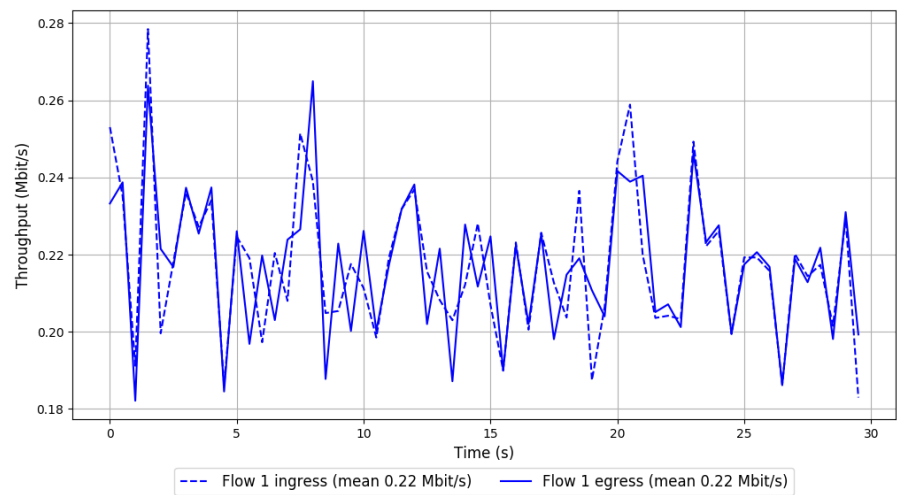
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 49.657 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 14:39:50 +0000

End at: Sun, 06 Aug 2017 14:40:20 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:24 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.431 ms

Loss rate: 0.00%

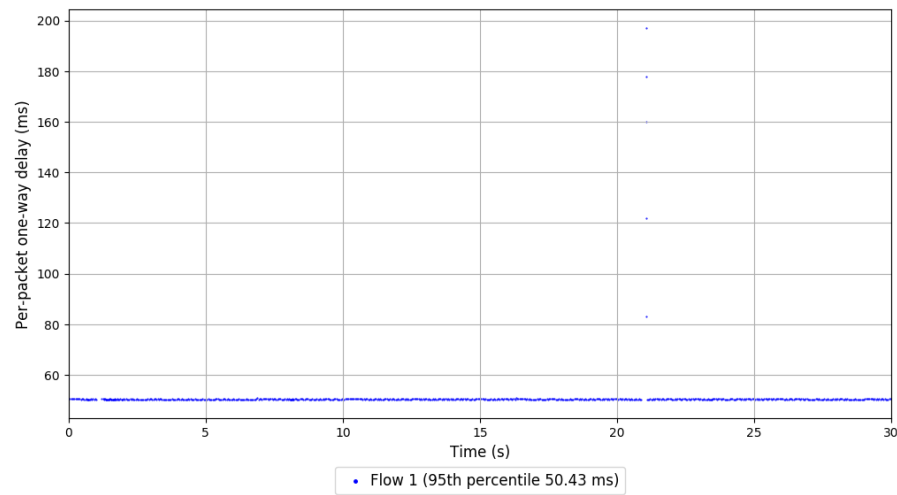
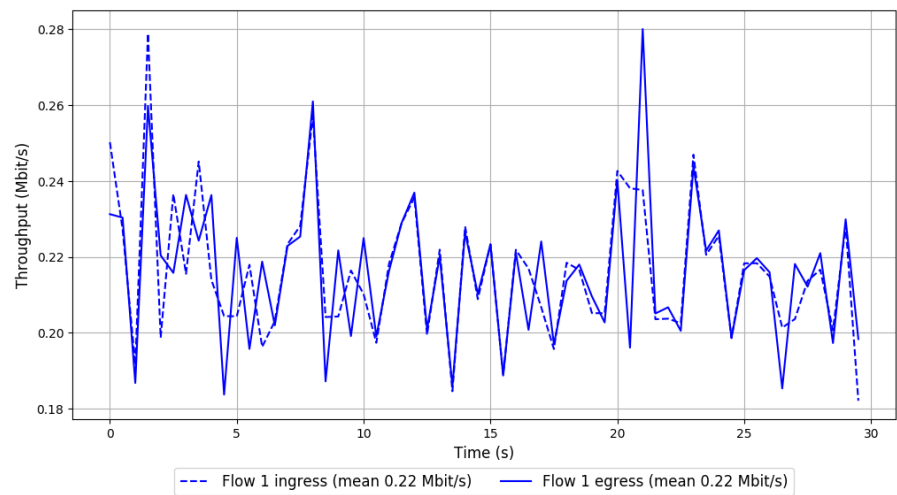
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.431 ms

Loss rate: 0.00%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 14:49:58 +0000

End at: Sun, 06 Aug 2017 14:50:28 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:24 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.784 ms

Loss rate: 0.00%

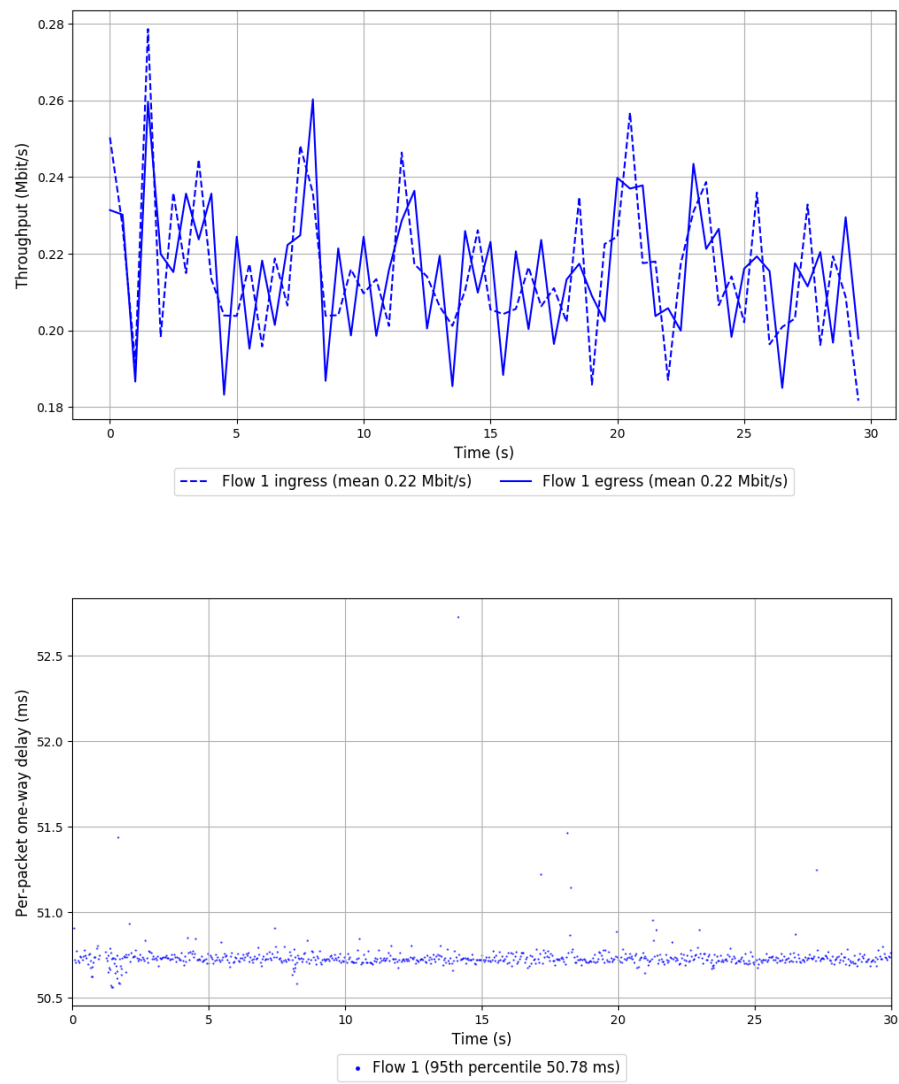
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.784 ms

Loss rate: 0.00%

Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 14:59:41 +0000

End at: Sun, 06 Aug 2017 15:00:11 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:25 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 50.403 ms

Loss rate: 0.00%

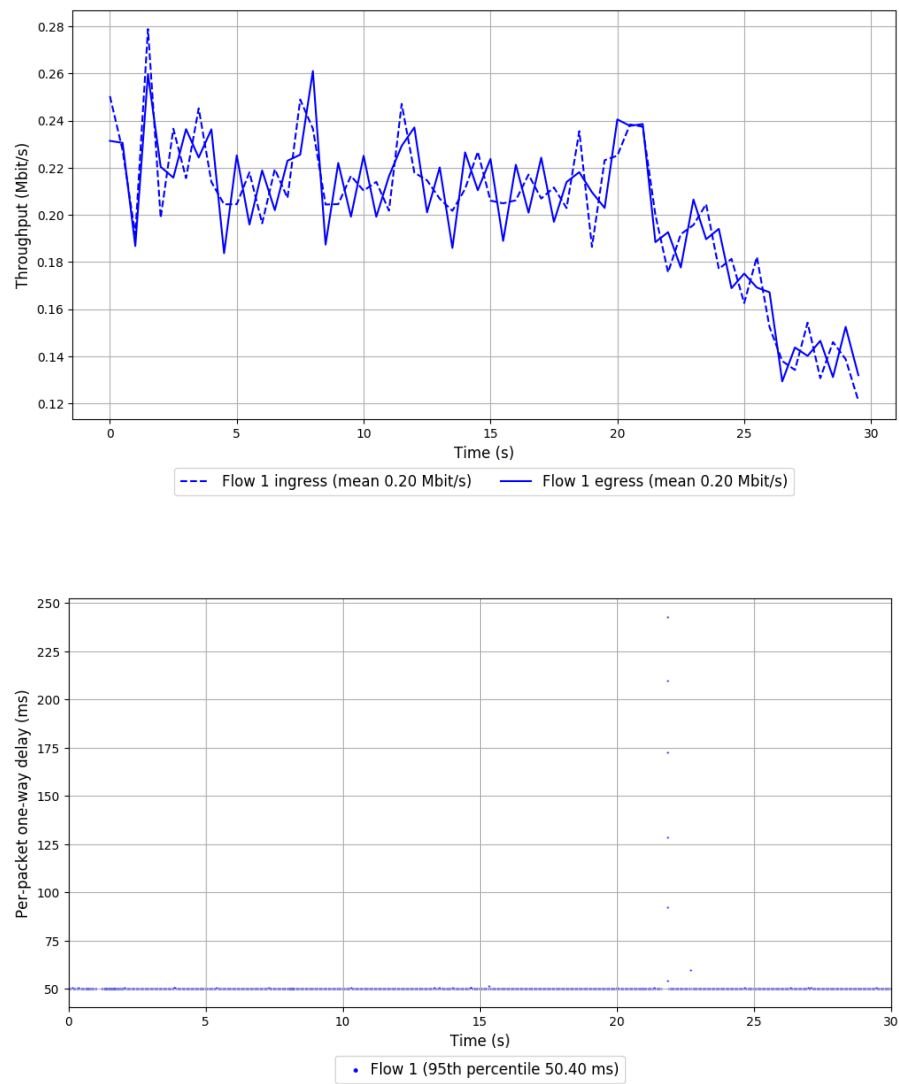
-- Flow 1:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 50.403 ms

Loss rate: 0.00%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Sun, 06 Aug 2017 15:09:50 +0000

End at: Sun, 06 Aug 2017 15:10:20 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.644 ms

Loss rate: 0.00%

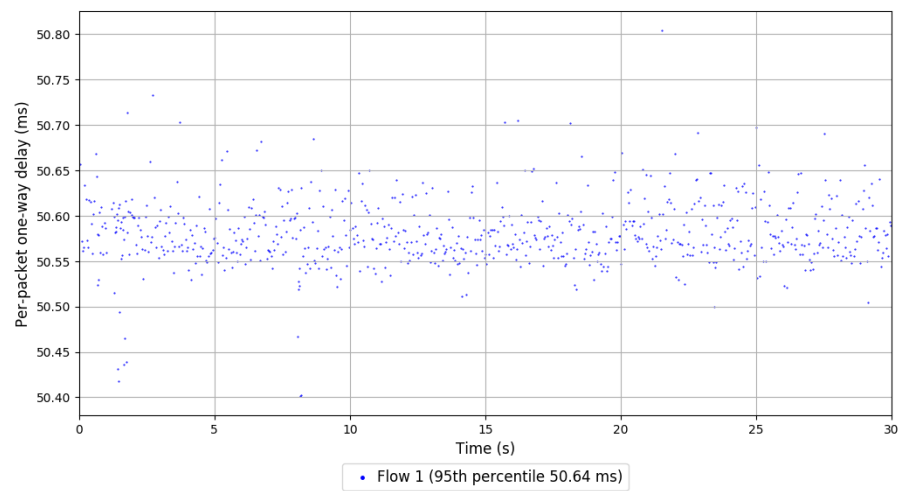
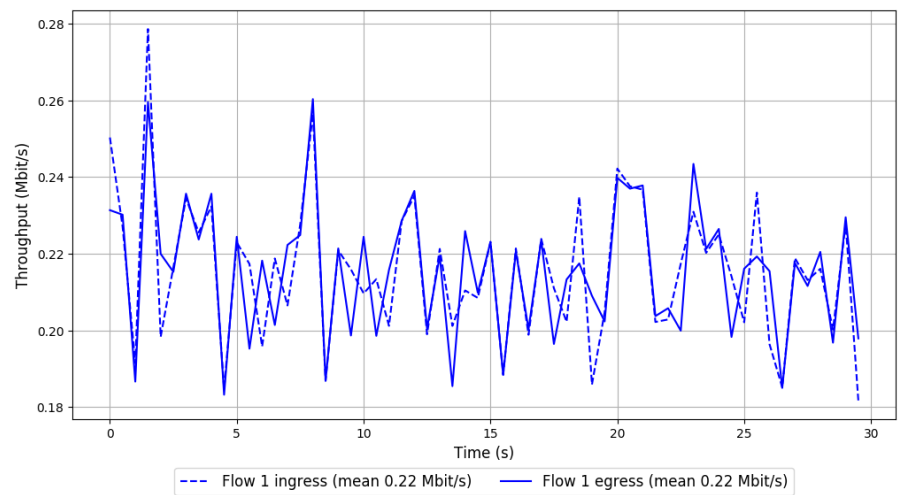
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.644 ms

Loss rate: 0.00%

Run 9: Report of SCReAM — Data Link



Run 10: Statistics of SReAM

Start at: Sun, 06 Aug 2017 15:19:44 +0000

End at: Sun, 06 Aug 2017 15:20:14 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.171 ms

Loss rate: 0.00%

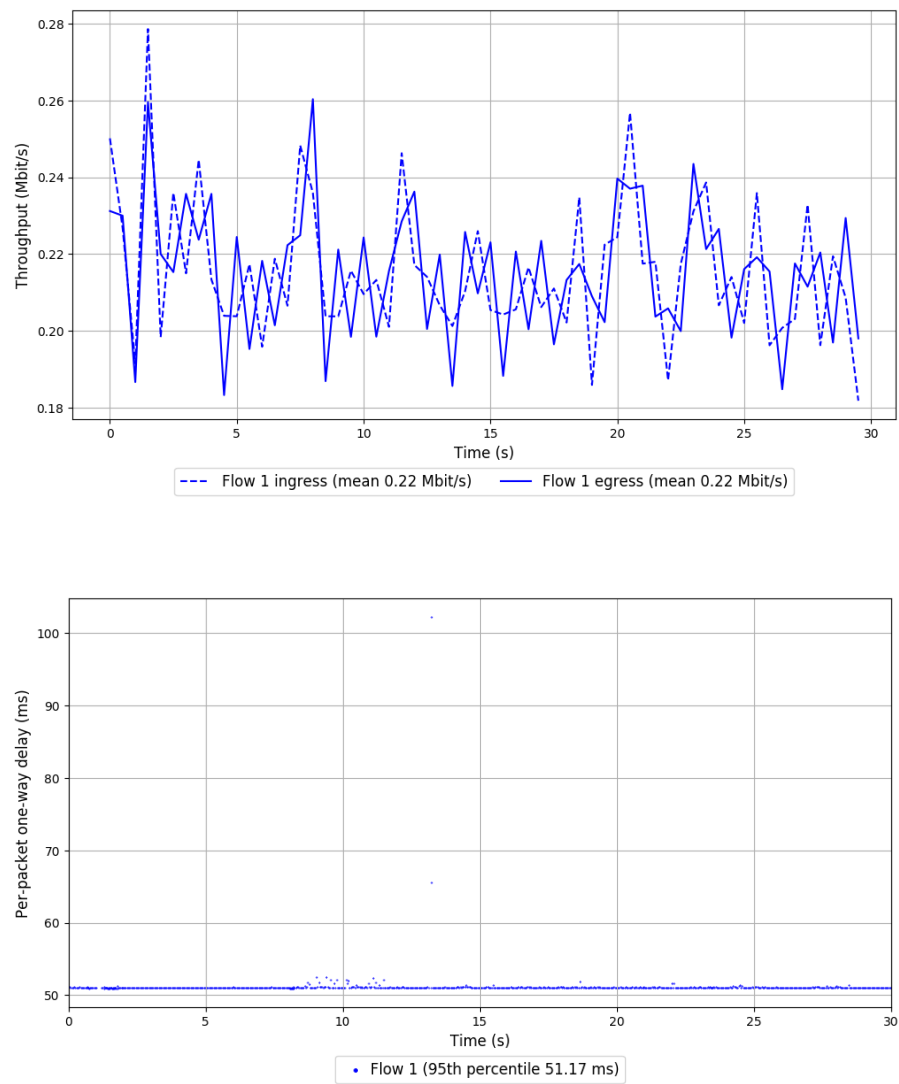
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.171 ms

Loss rate: 0.00%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Sun, 06 Aug 2017 13:47:21 +0000

End at: Sun, 06 Aug 2017 13:47:51 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:29 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.89 Mbit/s

95th percentile per-packet one-way delay: 51.501 ms

Loss rate: 0.12%

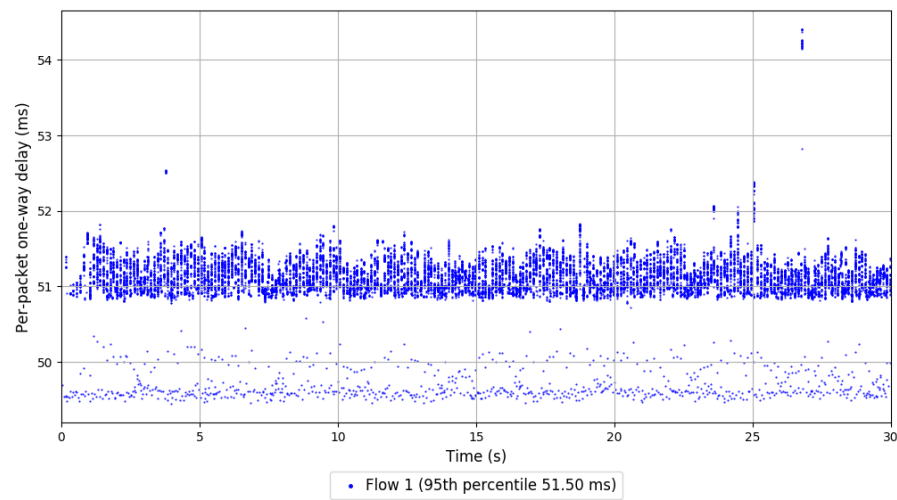
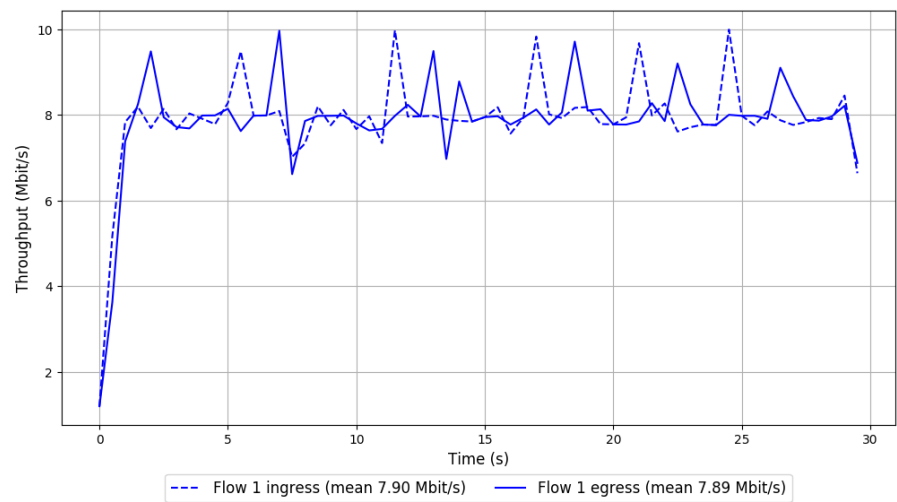
-- Flow 1:

Average throughput: 7.89 Mbit/s

95th percentile per-packet one-way delay: 51.501 ms

Loss rate: 0.12%

Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Sun, 06 Aug 2017 13:57:32 +0000

End at: Sun, 06 Aug 2017 13:58:02 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:29 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.84 Mbit/s

95th percentile per-packet one-way delay: 51.556 ms

Loss rate: 1.00%

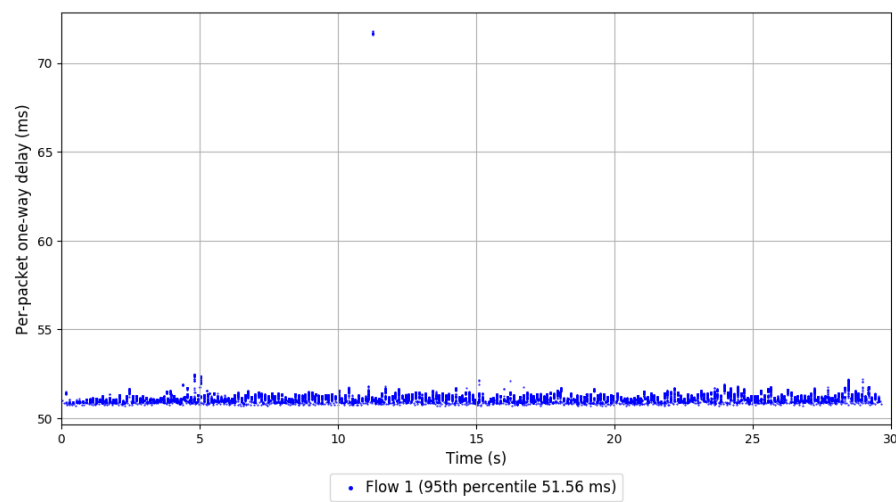
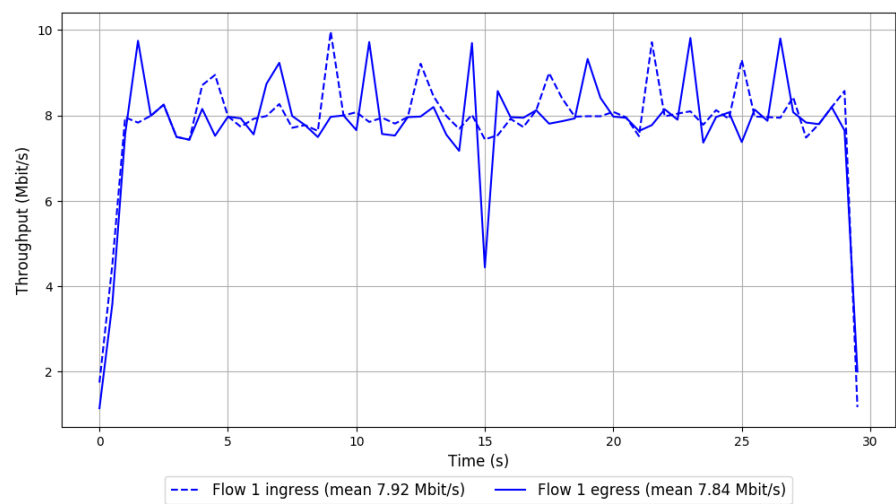
-- Flow 1:

Average throughput: 7.84 Mbit/s

95th percentile per-packet one-way delay: 51.556 ms

Loss rate: 1.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sun, 06 Aug 2017 14:07:21 +0000

End at: Sun, 06 Aug 2017 14:07:51 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:32 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.49 Mbit/s

95th percentile per-packet one-way delay: 51.672 ms

Loss rate: 2.58%

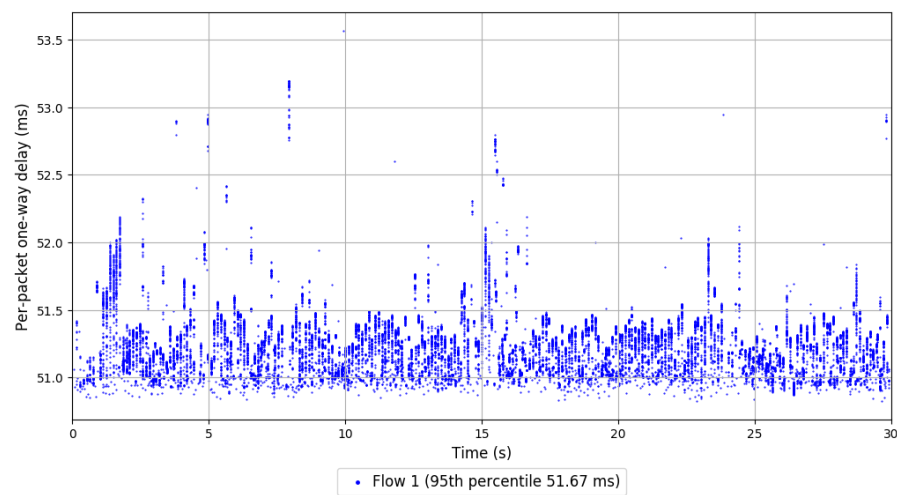
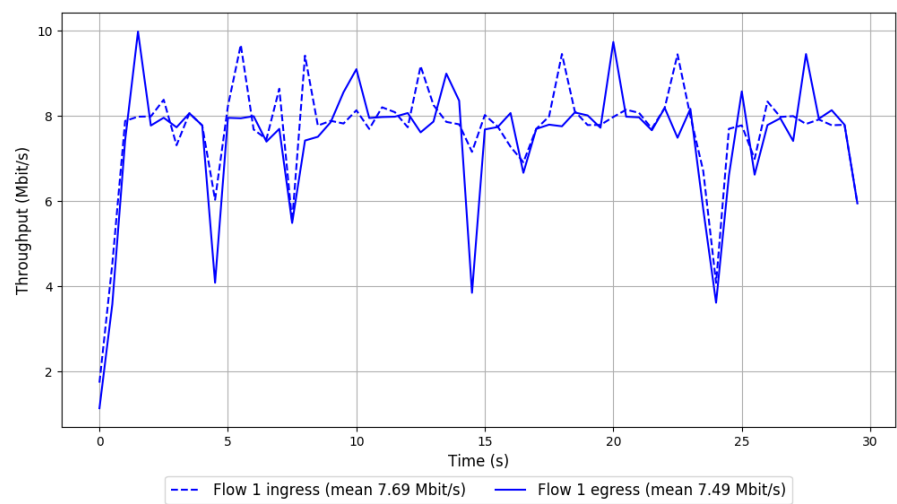
-- Flow 1:

Average throughput: 7.49 Mbit/s

95th percentile per-packet one-way delay: 51.672 ms

Loss rate: 2.58%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Sun, 06 Aug 2017 14:17:38 +0000

End at: Sun, 06 Aug 2017 14:18:08 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:32 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.75 Mbit/s

95th percentile per-packet one-way delay: 50.949 ms

Loss rate: 1.69%

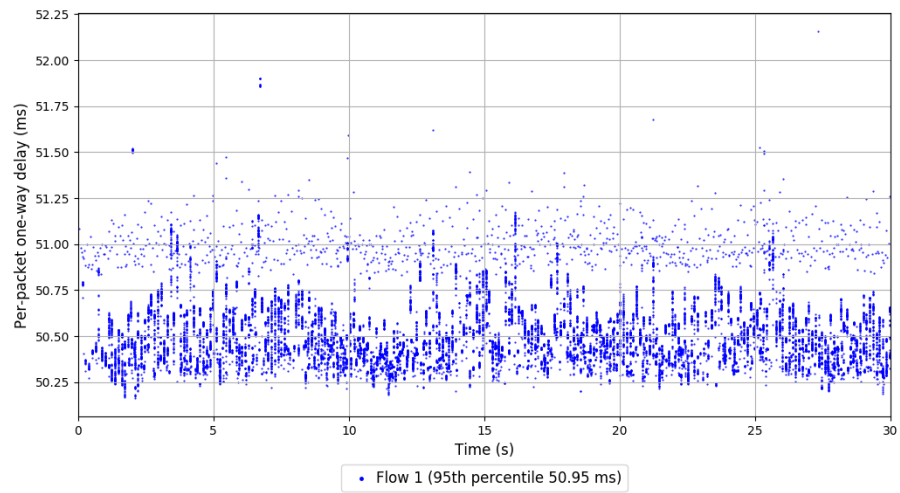
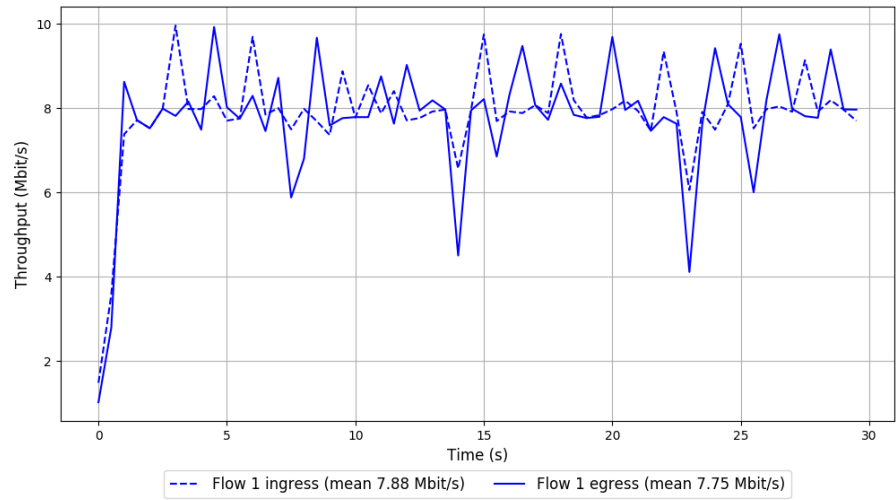
-- Flow 1:

Average throughput: 7.75 Mbit/s

95th percentile per-packet one-way delay: 50.949 ms

Loss rate: 1.69%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Sun, 06 Aug 2017 14:27:29 +0000

End at: Sun, 06 Aug 2017 14:27:59 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:33 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.61 Mbit/s

95th percentile per-packet one-way delay: 50.993 ms

Loss rate: 21.79%

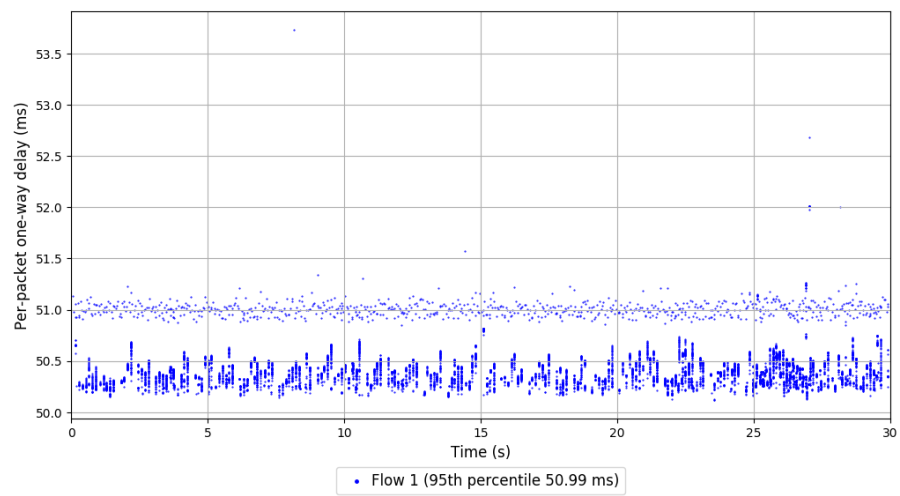
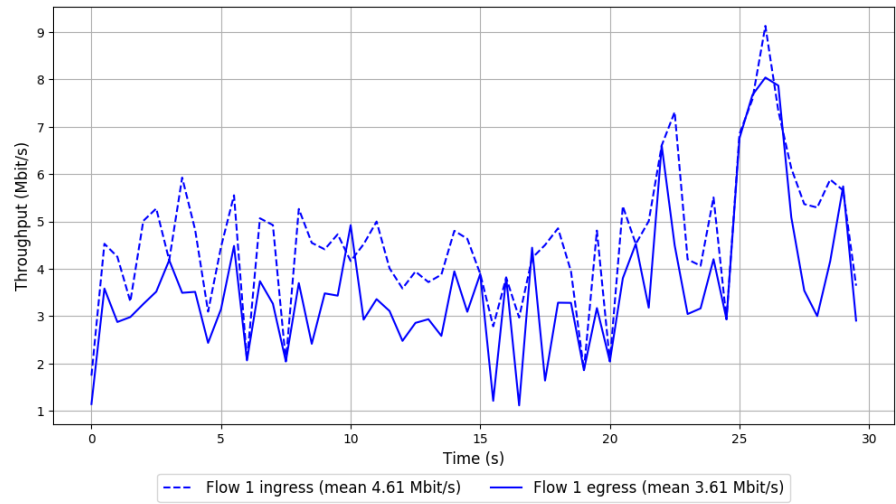
-- Flow 1:

Average throughput: 3.61 Mbit/s

95th percentile per-packet one-way delay: 50.993 ms

Loss rate: 21.79%

Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Sun, 06 Aug 2017 14:37:17 +0000

End at: Sun, 06 Aug 2017 14:37:47 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.74 Mbit/s

95th percentile per-packet one-way delay: 51.142 ms

Loss rate: 11.73%

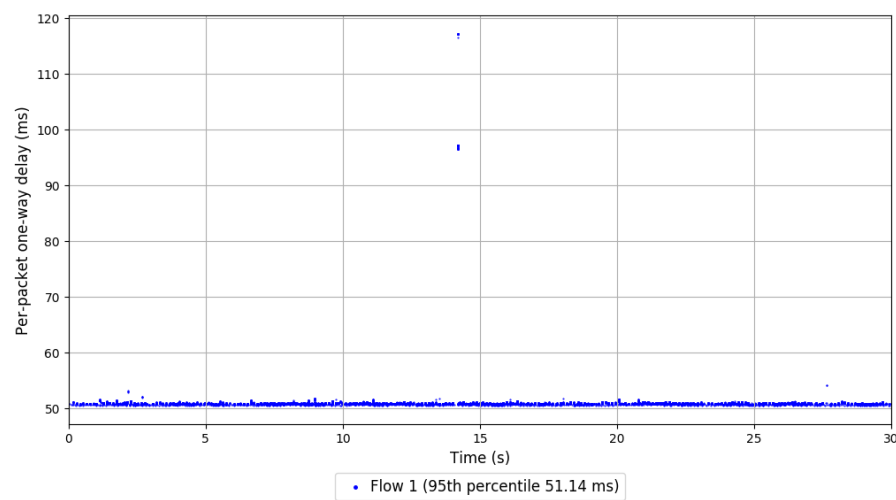
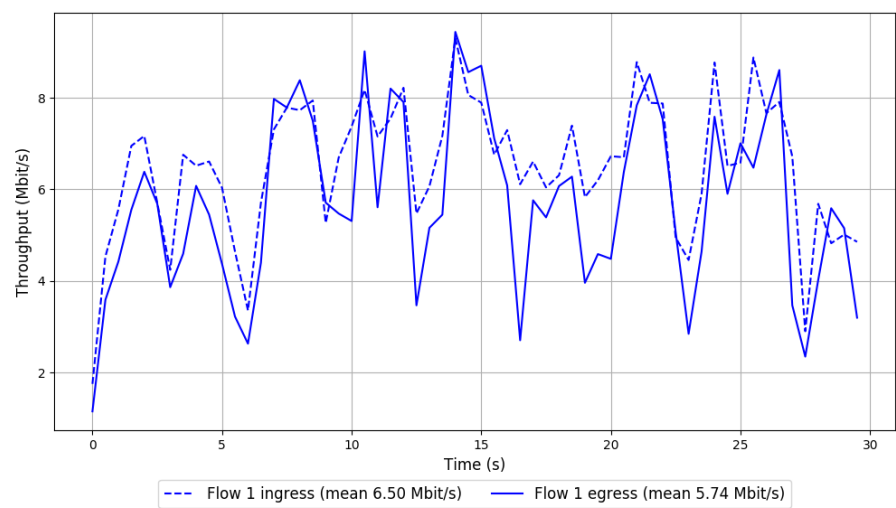
-- Flow 1:

Average throughput: 5.74 Mbit/s

95th percentile per-packet one-way delay: 51.142 ms

Loss rate: 11.73%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Sun, 06 Aug 2017 14:47:25 +0000

End at: Sun, 06 Aug 2017 14:47:55 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.26 Mbit/s

95th percentile per-packet one-way delay: 52.687 ms

Loss rate: 23.20%

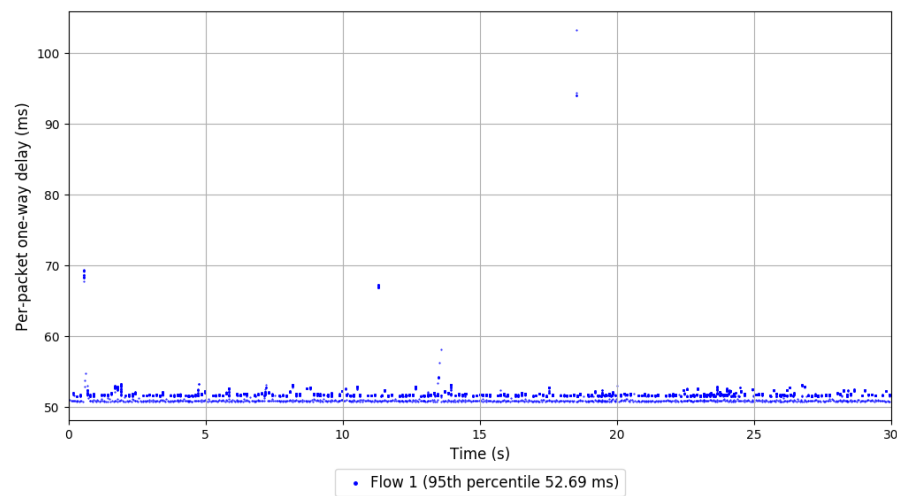
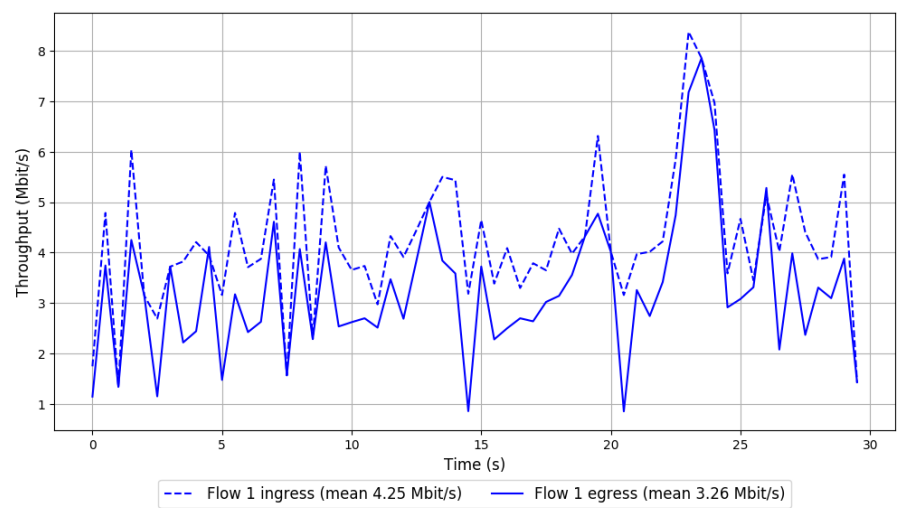
-- Flow 1:

Average throughput: 3.26 Mbit/s

95th percentile per-packet one-way delay: 52.687 ms

Loss rate: 23.20%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Sun, 06 Aug 2017 14:57:10 +0000

End at: Sun, 06 Aug 2017 14:57:40 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.61 Mbit/s

95th percentile per-packet one-way delay: 52.178 ms

Loss rate: 2.37%

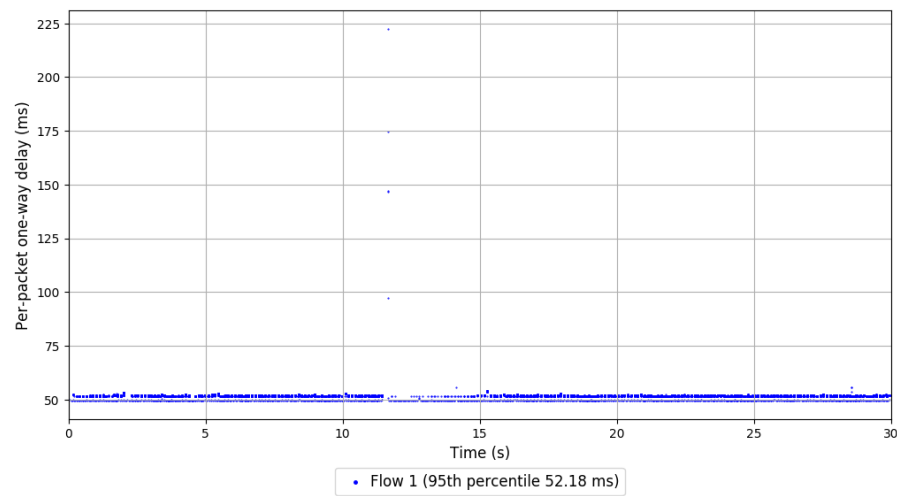
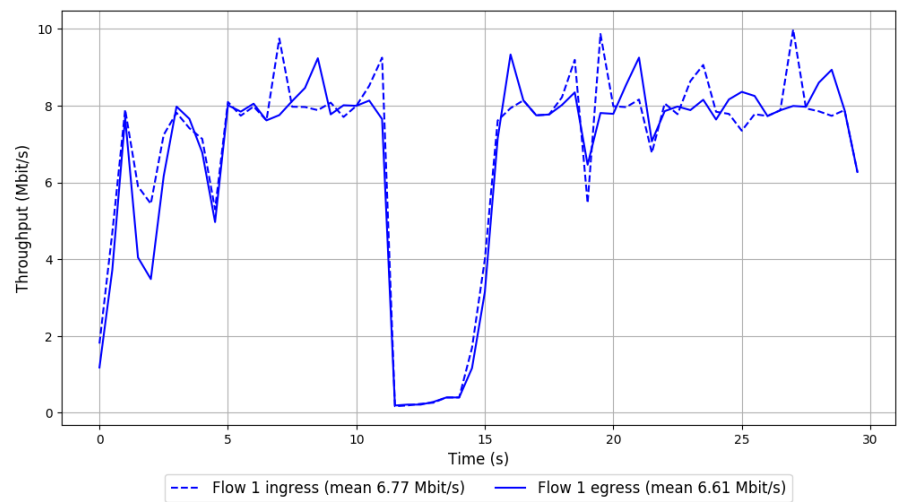
-- Flow 1:

Average throughput: 6.61 Mbit/s

95th percentile per-packet one-way delay: 52.178 ms

Loss rate: 2.37%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Sun, 06 Aug 2017 15:07:05 +0000

End at: Sun, 06 Aug 2017 15:07:35 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:38 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.36 Mbit/s

95th percentile per-packet one-way delay: 51.510 ms

Loss rate: 3.27%

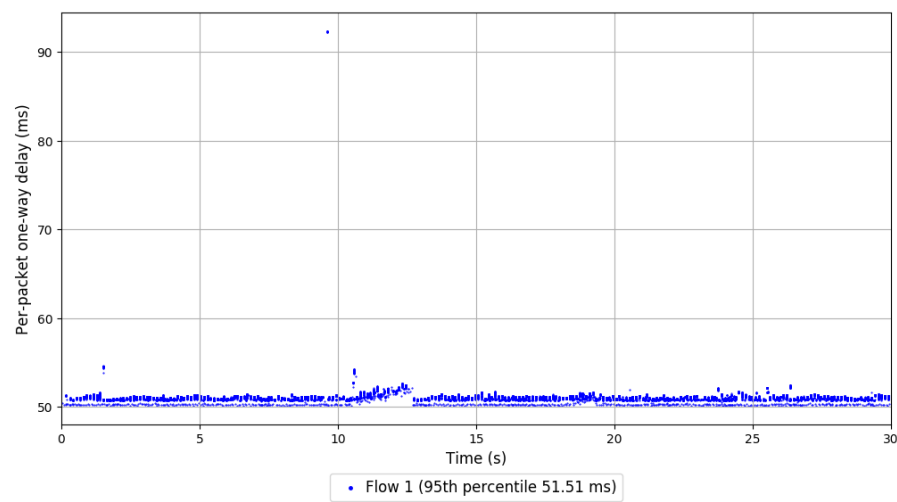
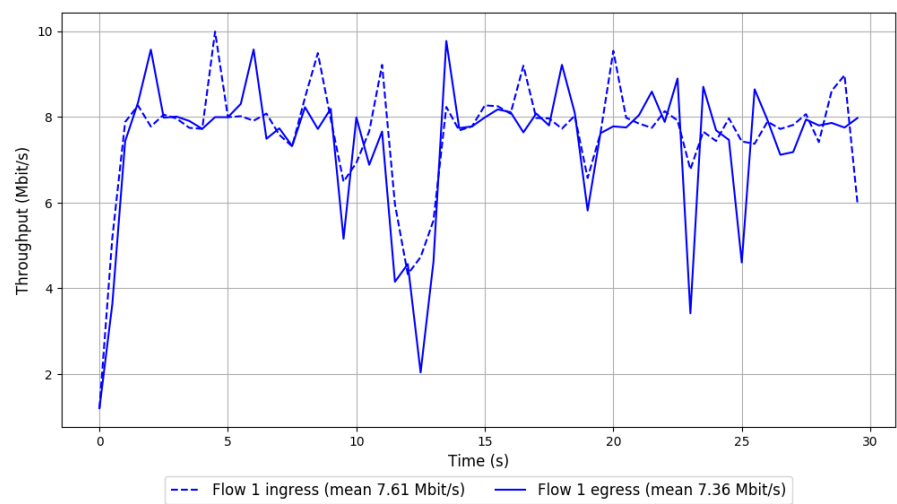
-- Flow 1:

Average throughput: 7.36 Mbit/s

95th percentile per-packet one-way delay: 51.510 ms

Loss rate: 3.27%

Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Sun, 06 Aug 2017 15:17:09 +0000

End at: Sun, 06 Aug 2017 15:17:39 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:47:40 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 3.71 Mbit/s

95th percentile per-packet one-way delay: 51.507 ms

Loss rate: 20.34%

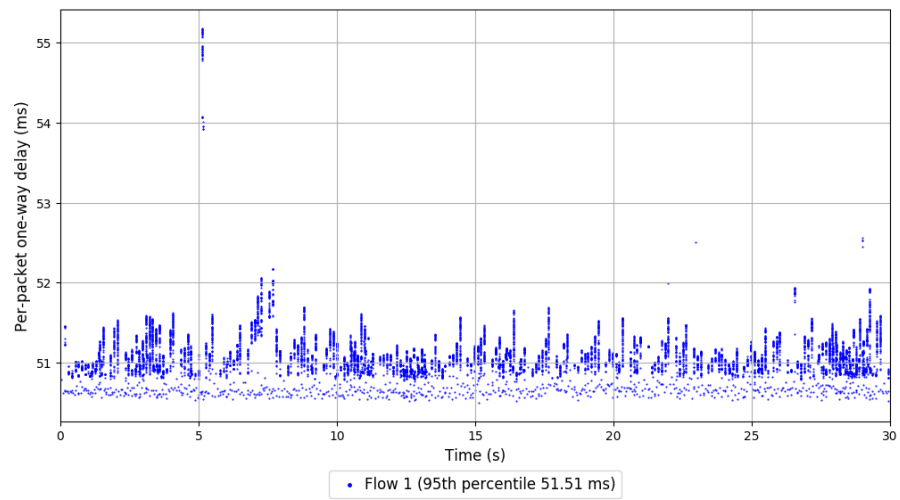
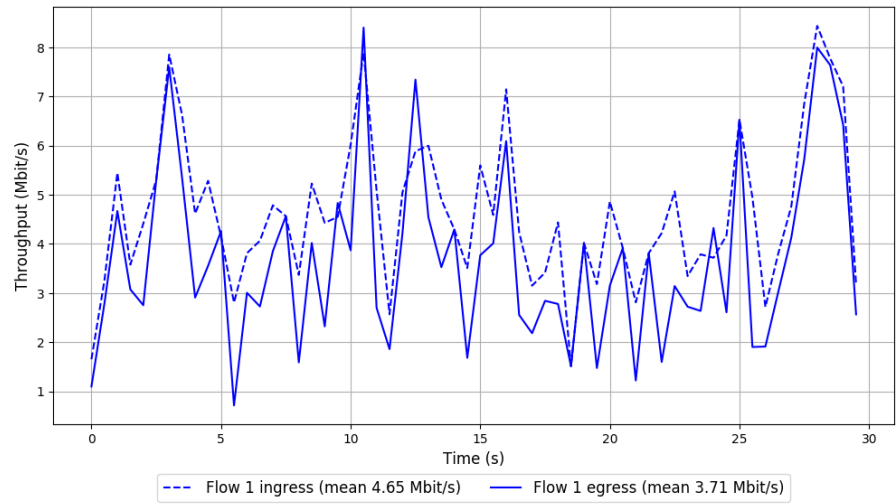
-- Flow 1:

Average throughput: 3.71 Mbit/s

95th percentile per-packet one-way delay: 51.507 ms

Loss rate: 20.34%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 13:53:14 +0000

End at: Sun, 06 Aug 2017 13:53:44 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:48:55 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 203.12 Mbit/s

95th percentile per-packet one-way delay: 51.052 ms

Loss rate: 0.30%

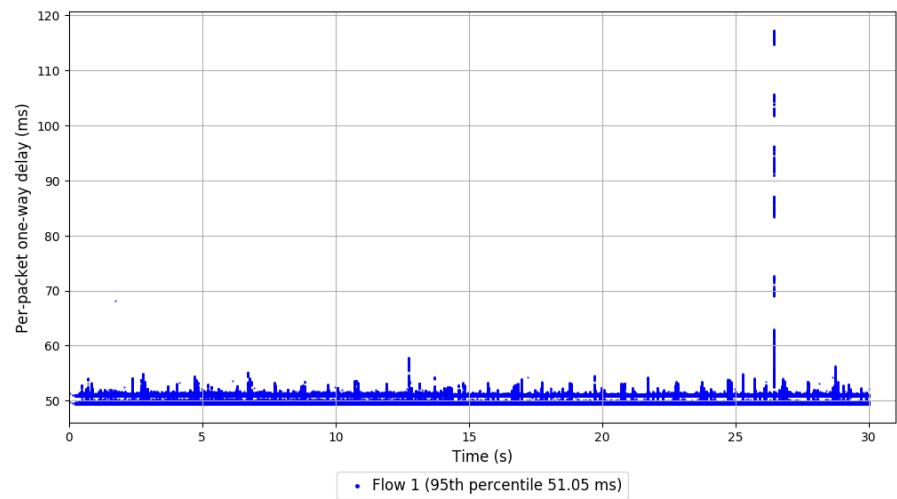
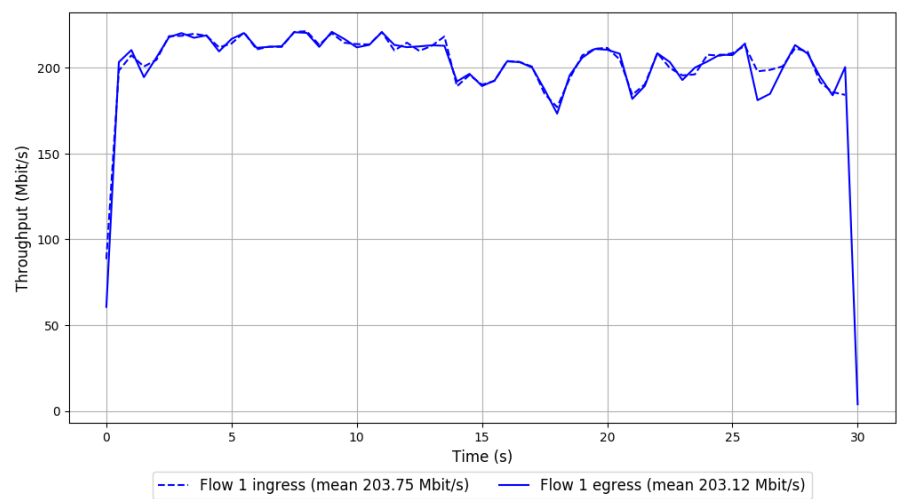
-- Flow 1:

Average throughput: 203.12 Mbit/s

95th percentile per-packet one-way delay: 51.052 ms

Loss rate: 0.30%

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



Run 2: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 14:03:18 +0000

End at: Sun, 06 Aug 2017 14:03:48 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:48:55 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 108.53 Mbit/s

95th percentile per-packet one-way delay: 50.855 ms

Loss rate: 0.10%

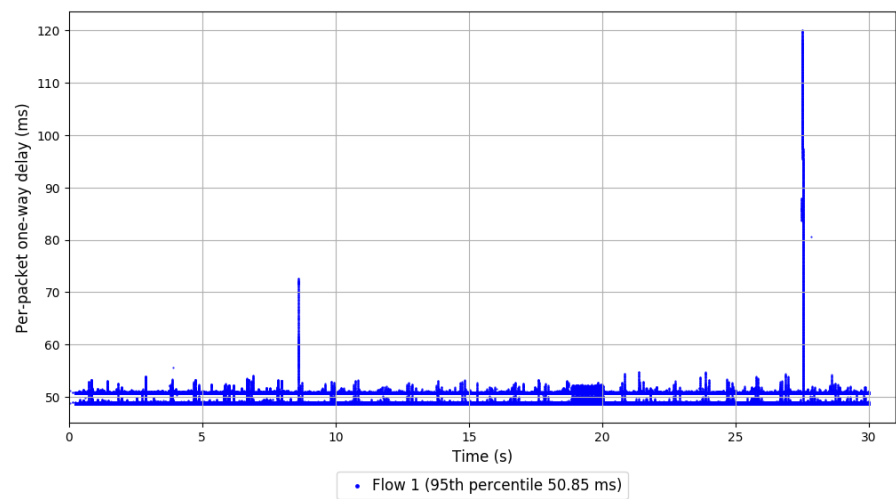
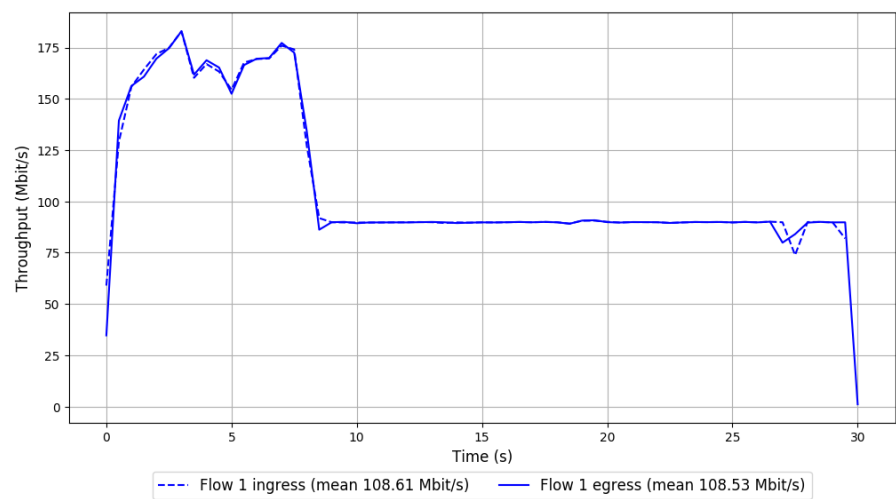
-- Flow 1:

Average throughput: 108.53 Mbit/s

95th percentile per-packet one-way delay: 50.855 ms

Loss rate: 0.10%

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

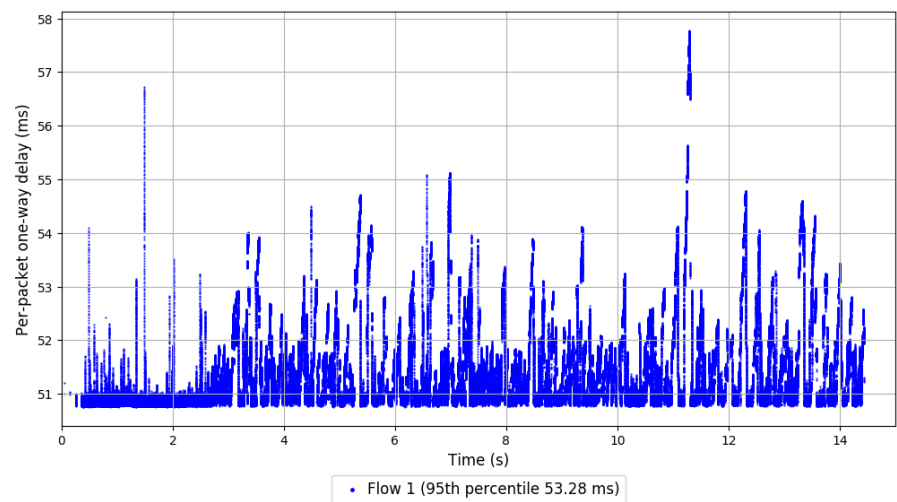
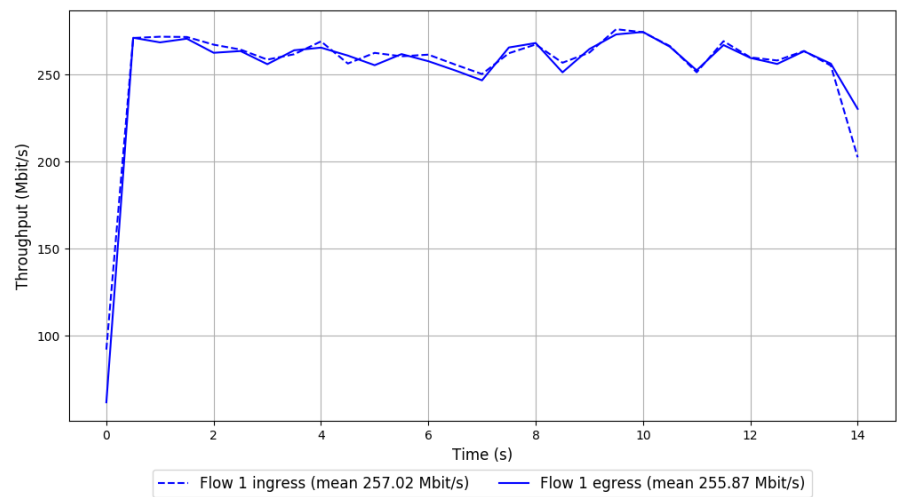


Run 3: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 14:13:19 +0000

End at: Sun, 06 Aug 2017 14:13:49 +0000

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

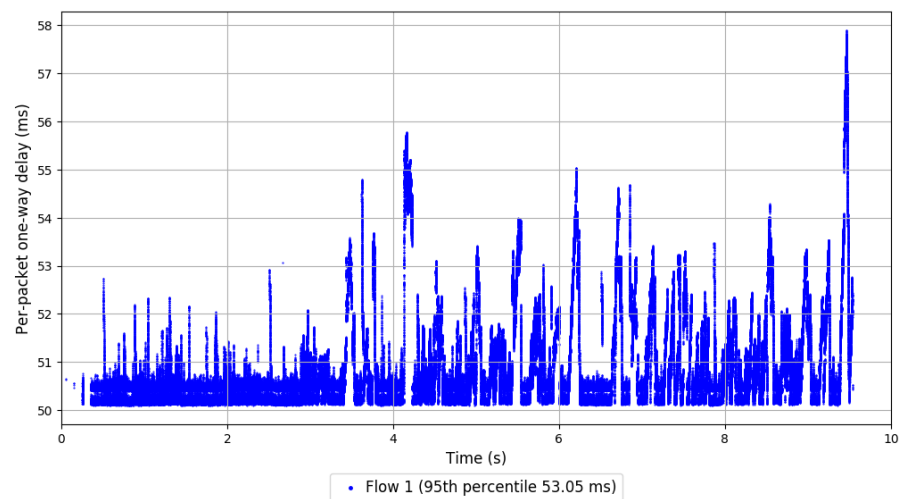
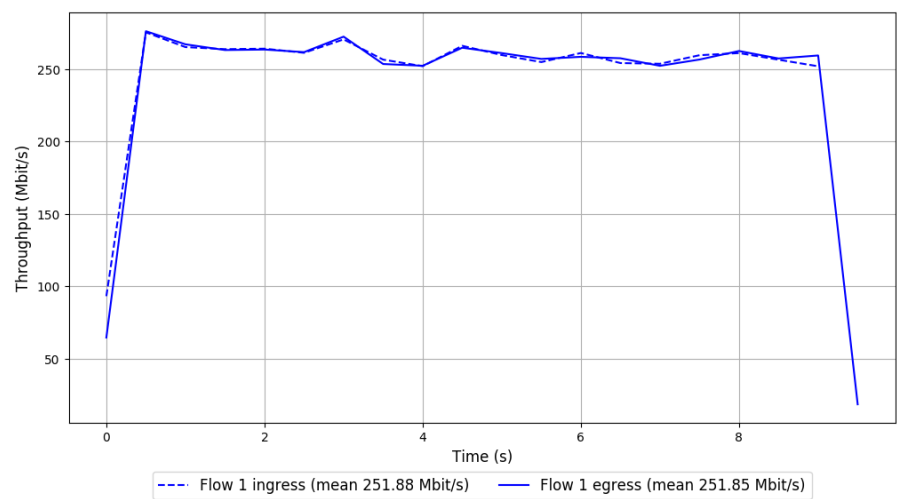


Run 4: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 14:23:28 +0000

End at: Sun, 06 Aug 2017 14:23:58 +0000

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

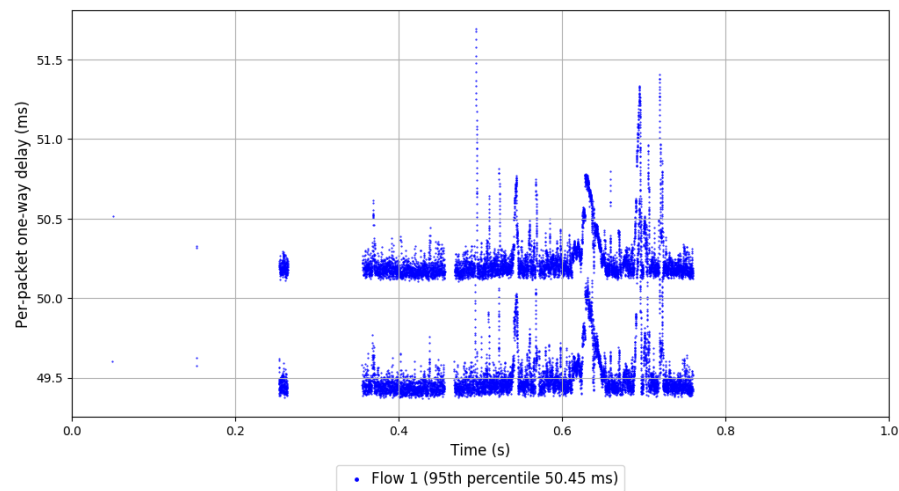
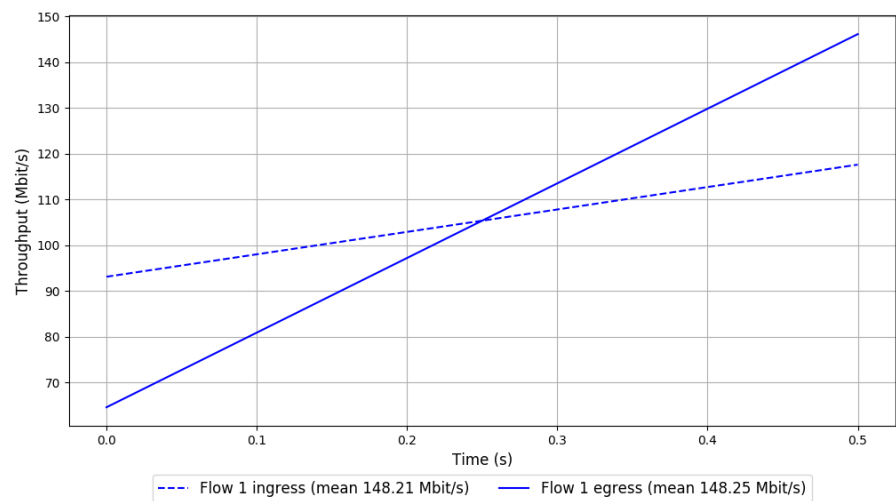


Run 5: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 14:33:17 +0000

End at: Sun, 06 Aug 2017 14:33:47 +0000

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



Run 6: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 14:43:00 +0000

End at: Sun, 06 Aug 2017 14:43:30 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:50:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 239.76 Mbit/s

95th percentile per-packet one-way delay: 54.833 ms

Loss rate: 1.31%

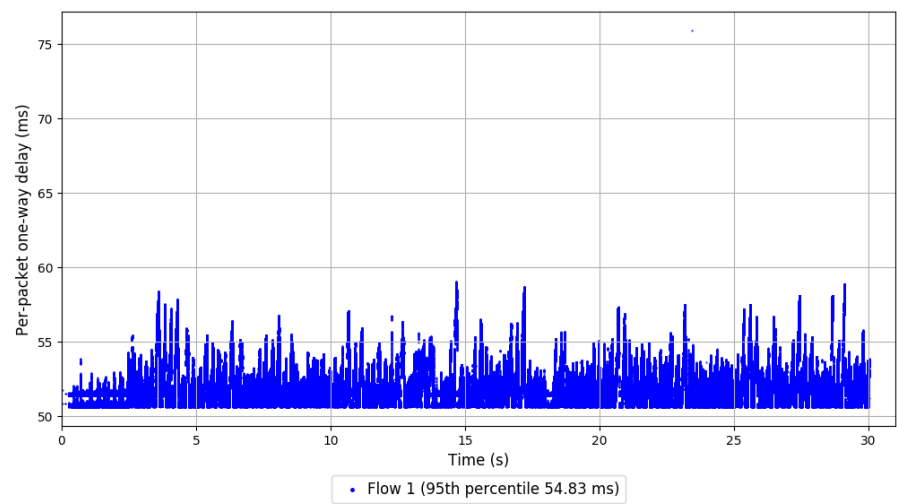
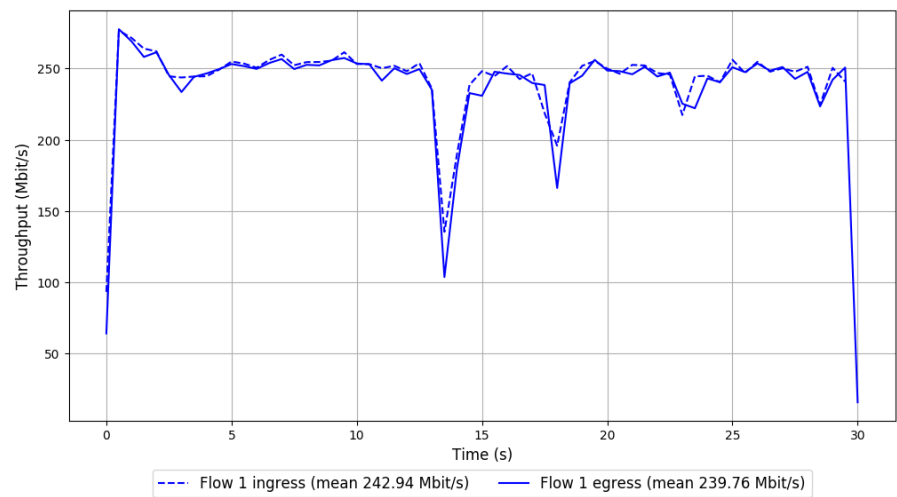
-- Flow 1:

Average throughput: 239.76 Mbit/s

95th percentile per-packet one-way delay: 54.833 ms

Loss rate: 1.31%

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

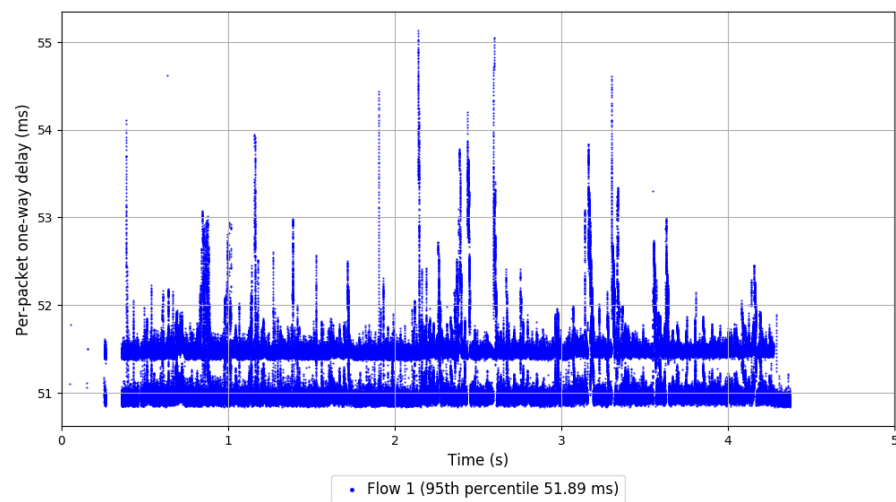
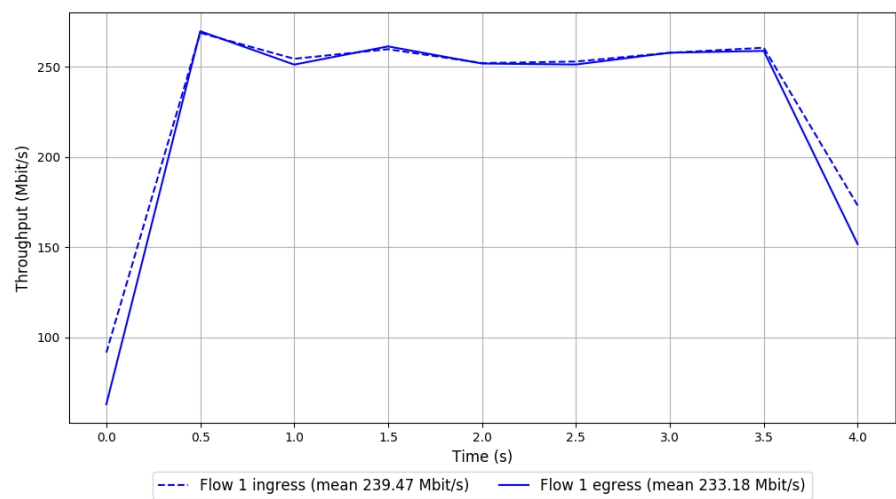


Run 7: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 14:53:10 +0000

End at: Sun, 06 Aug 2017 14:53:40 +0000

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



Run 8: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 15:02:58 +0000

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

Below is generated by plot.py at Sun, 06 Aug 2017 16:50:36 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 93.78 Mbit/s

95th percentile per-packet one-way delay: 51.476 ms

Loss rate: 11.25%

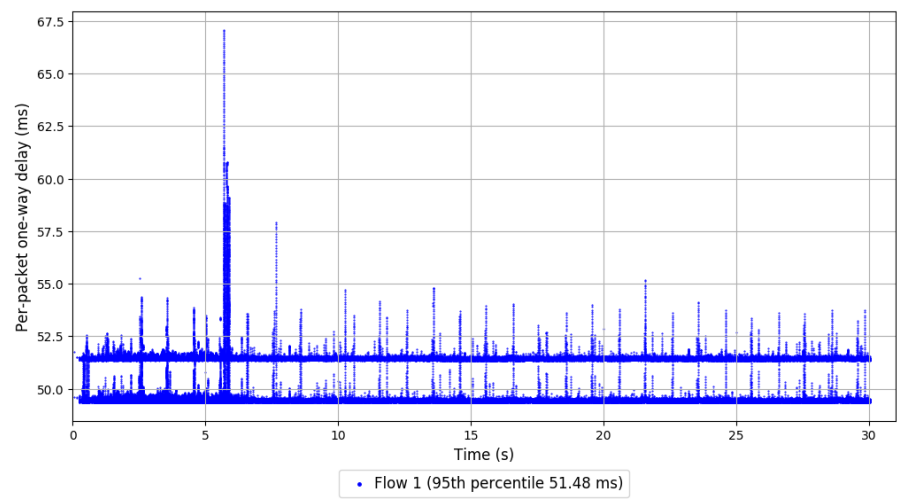
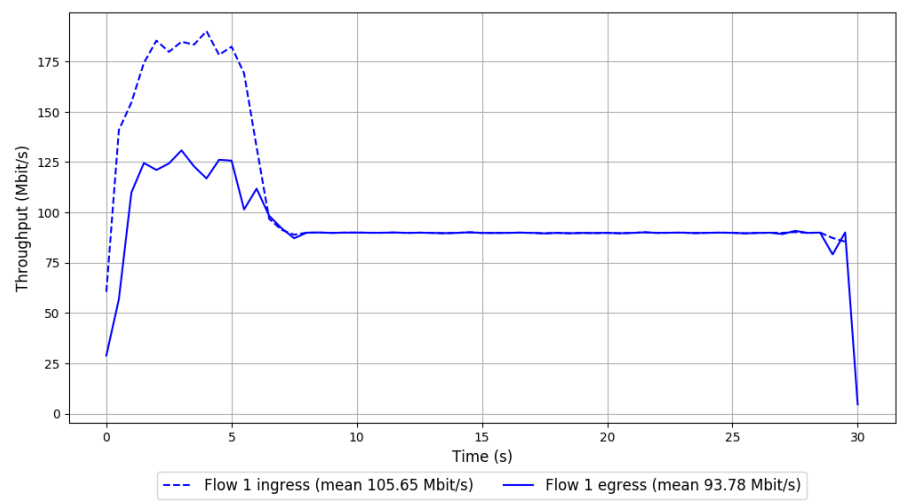
-- Flow 1:

Average throughput: 93.78 Mbit/s

95th percentile per-packet one-way delay: 51.476 ms

Loss rate: 11.25%

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

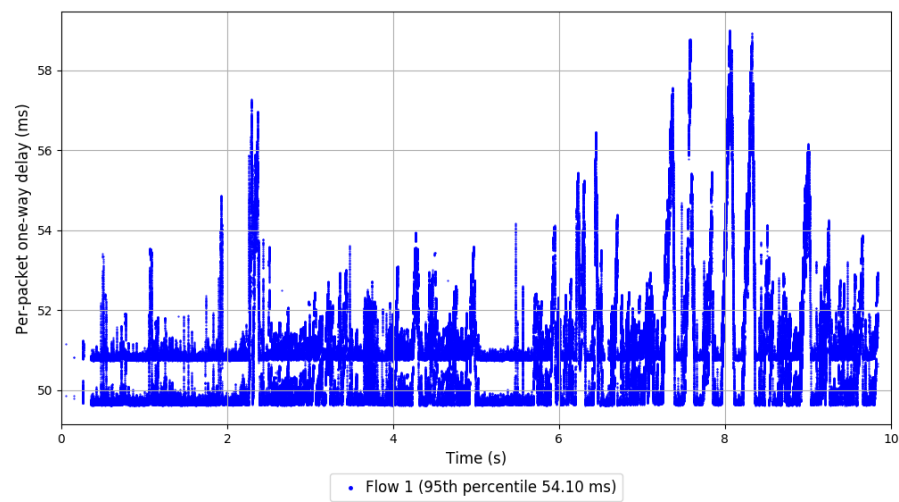
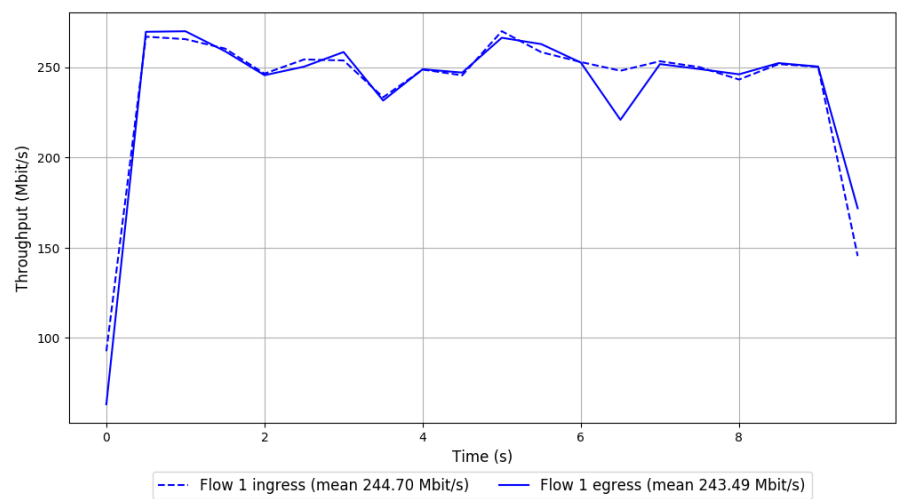


Run 9: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 15:13:08 +0000

End at: Sun, 06 Aug 2017 15:13:38 +0000

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

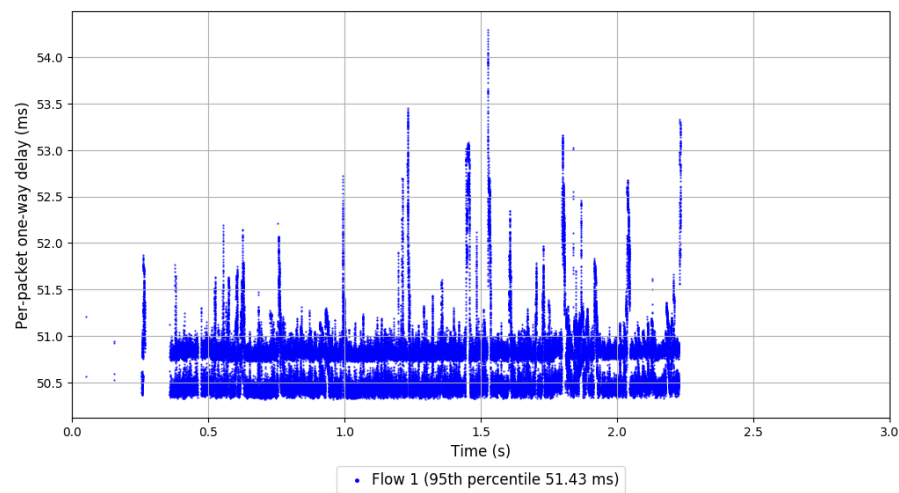
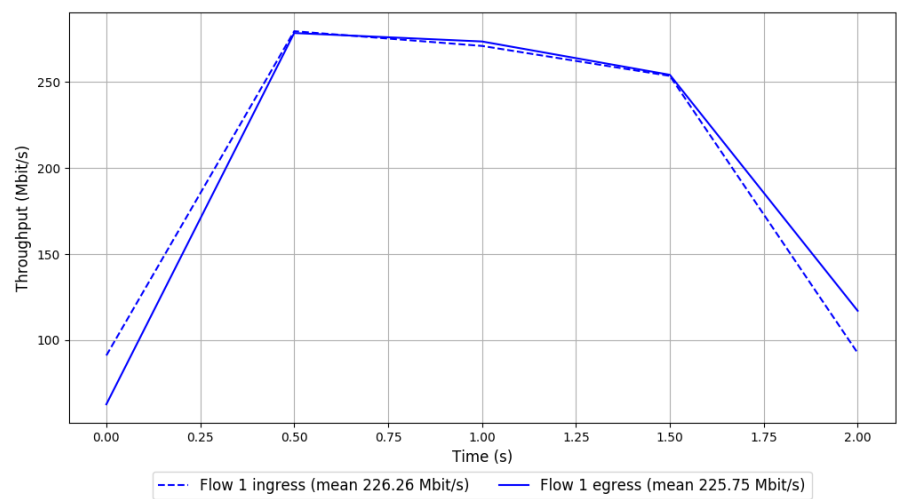


Run 10: Statistics of TaoVA-100x

Start at: Sun, 06 Aug 2017 15:23:01 +0000

End at: Sun, 06 Aug 2017 15:23:31 +0000

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



Run 1: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 13:50:34 +0000

End at: Sun, 06 Aug 2017 13:51:04 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:50:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.33 Mbit/s

95th percentile per-packet one-way delay: 51.098 ms

Loss rate: 2.38%

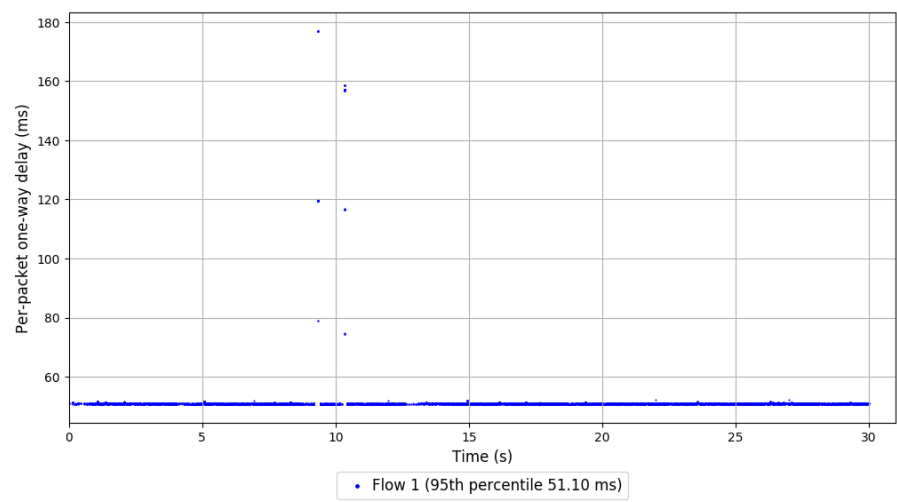
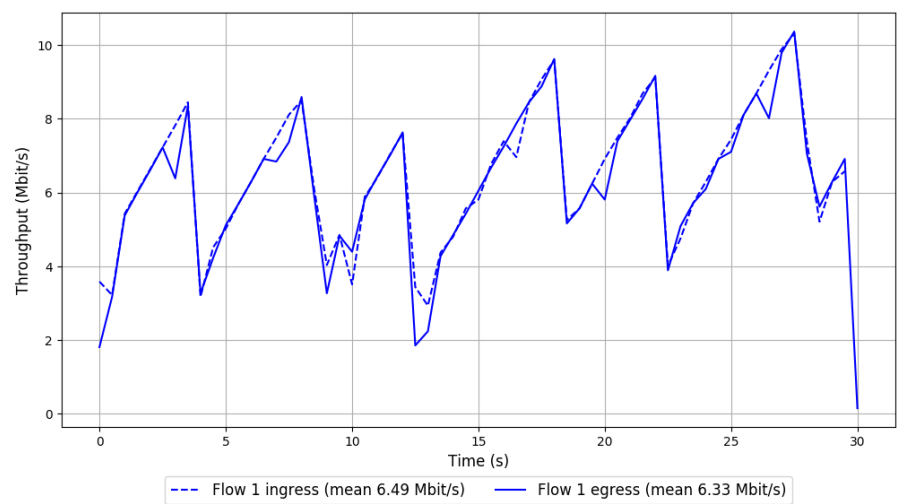
-- Flow 1:

Average throughput: 6.33 Mbit/s

95th percentile per-packet one-way delay: 51.098 ms

Loss rate: 2.38%

Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 14:00:47 +0000

End at: Sun, 06 Aug 2017 14:01:17 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:50:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 51.323 ms

Loss rate: 1.41%

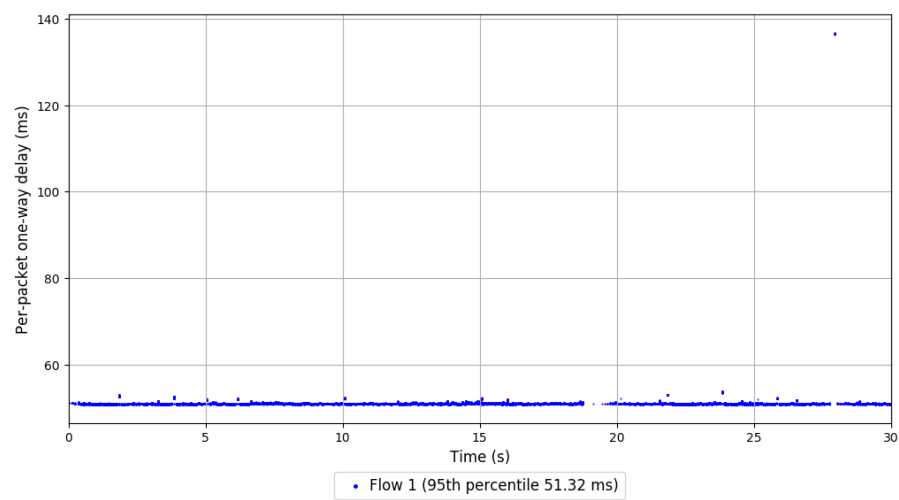
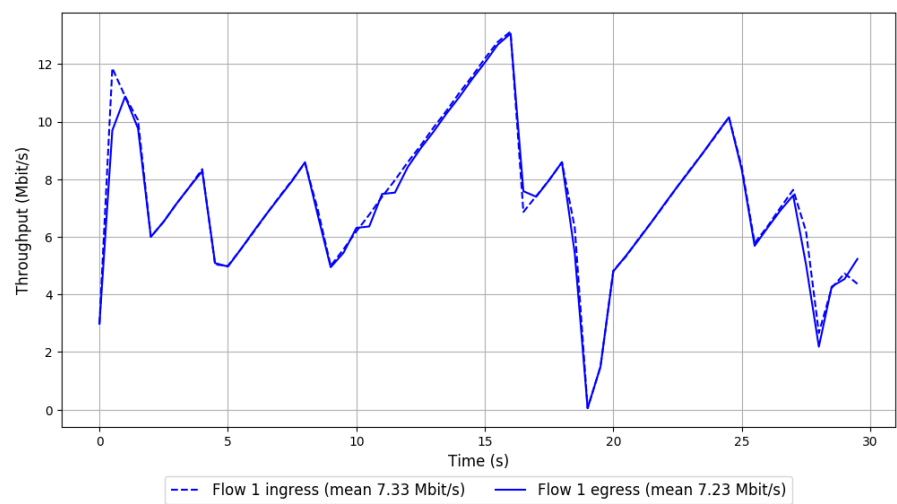
-- Flow 1:

Average throughput: 7.23 Mbit/s

95th percentile per-packet one-way delay: 51.323 ms

Loss rate: 1.41%

Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 14:10:38 +0000

End at: Sun, 06 Aug 2017 14:11:08 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:50:45 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 51.286 ms

Loss rate: 2.29%

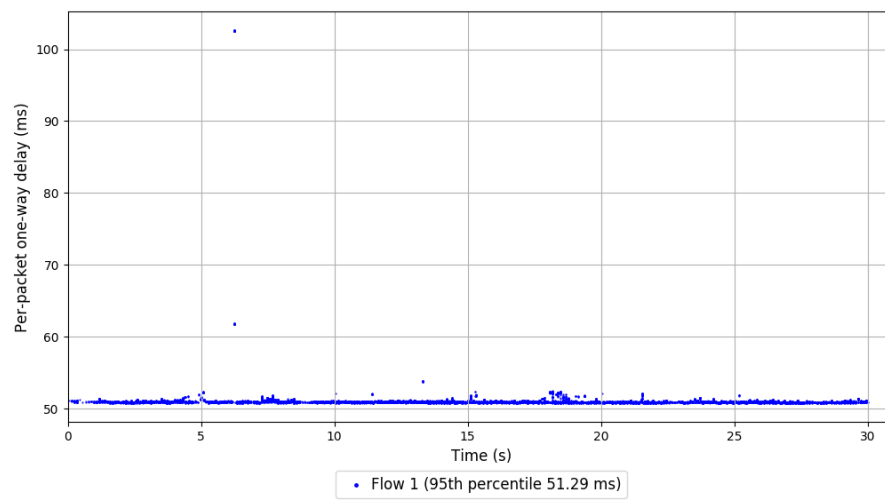
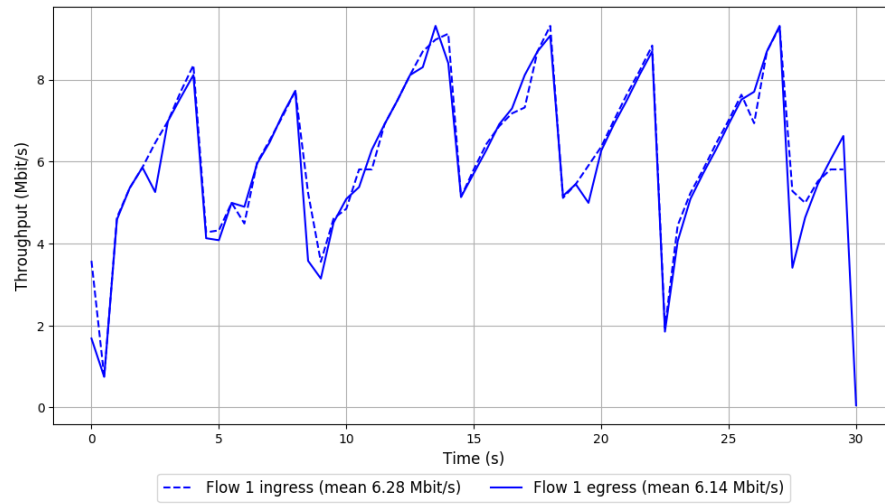
-- Flow 1:

Average throughput: 6.14 Mbit/s

95th percentile per-packet one-way delay: 51.286 ms

Loss rate: 2.29%

Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 14:20:49 +0000

End at: Sun, 06 Aug 2017 14:21:19 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:50:47 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.31 Mbit/s

95th percentile per-packet one-way delay: 51.110 ms

Loss rate: 0.86%

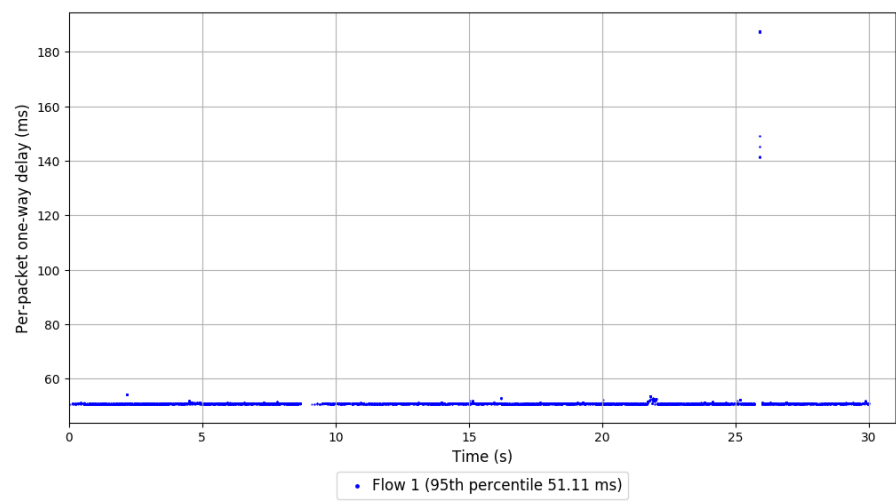
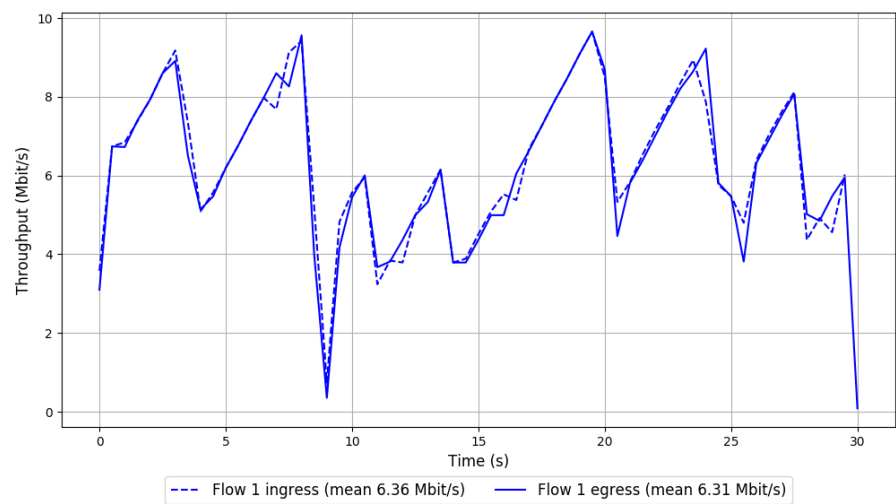
-- Flow 1:

Average throughput: 6.31 Mbit/s

95th percentile per-packet one-way delay: 51.110 ms

Loss rate: 0.86%

Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 14:30:38 +0000

End at: Sun, 06 Aug 2017 14:31:08 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:50:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 35.58 Mbit/s

95th percentile per-packet one-way delay: 50.818 ms

Loss rate: 0.01%

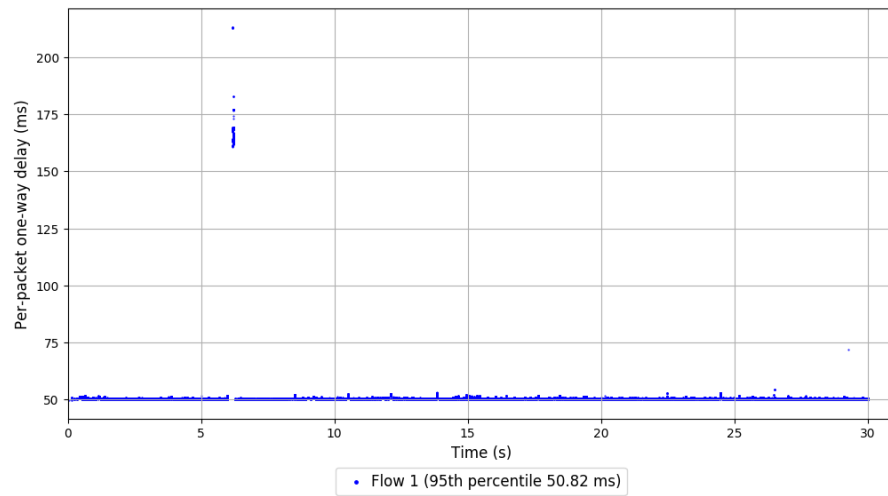
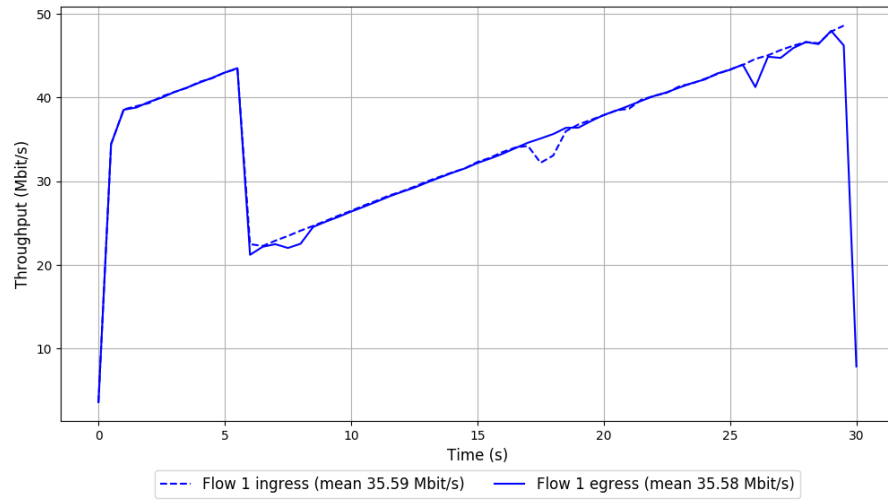
-- Flow 1:

Average throughput: 35.58 Mbit/s

95th percentile per-packet one-way delay: 50.818 ms

Loss rate: 0.01%

Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 14:40:27 +0000

End at: Sun, 06 Aug 2017 14:40:57 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:50:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.77 Mbit/s

95th percentile per-packet one-way delay: 51.078 ms

Loss rate: 0.95%

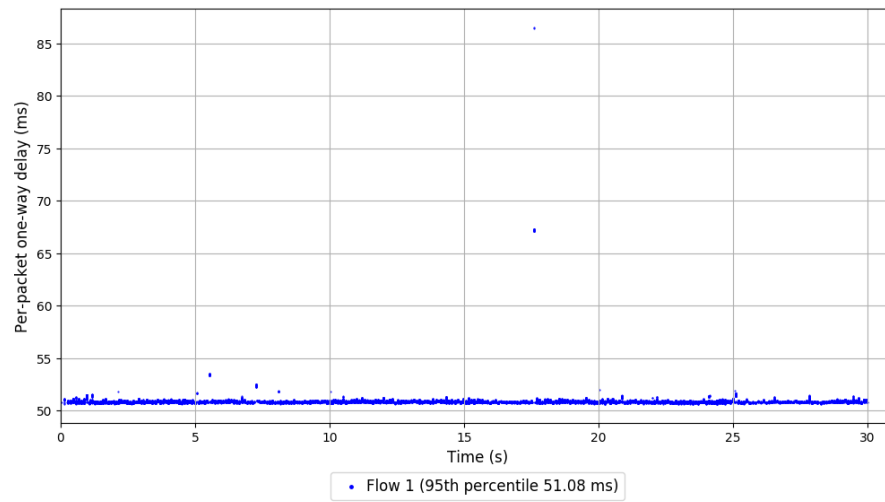
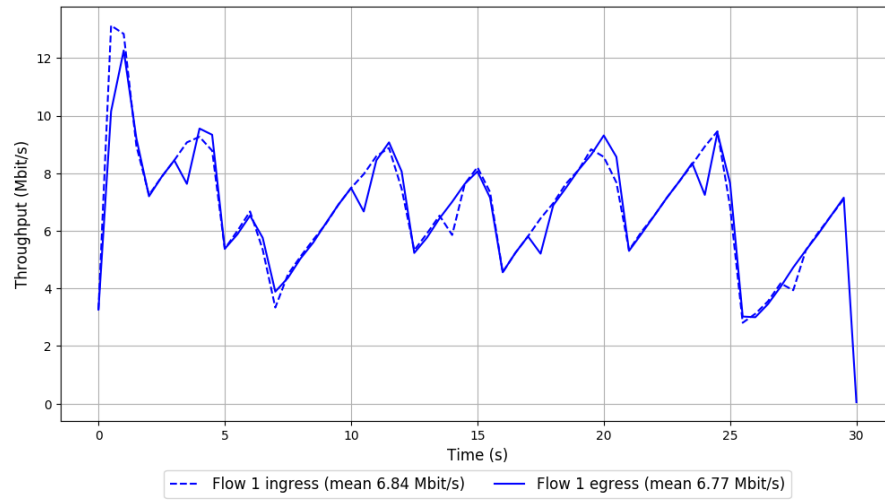
-- Flow 1:

Average throughput: 6.77 Mbit/s

95th percentile per-packet one-way delay: 51.078 ms

Loss rate: 0.95%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 14:50:35 +0000

End at: Sun, 06 Aug 2017 14:51:05 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:50:54 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 5.96 Mbit/s

95th percentile per-packet one-way delay: 51.815 ms

Loss rate: 1.33%

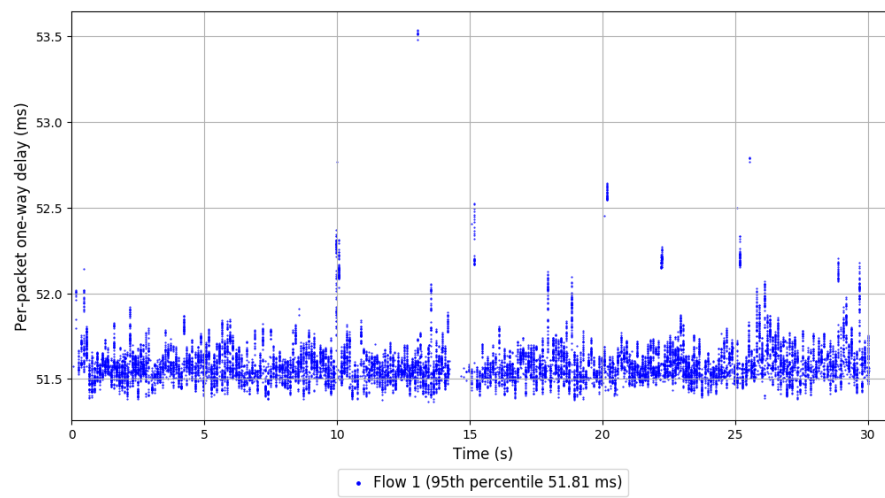
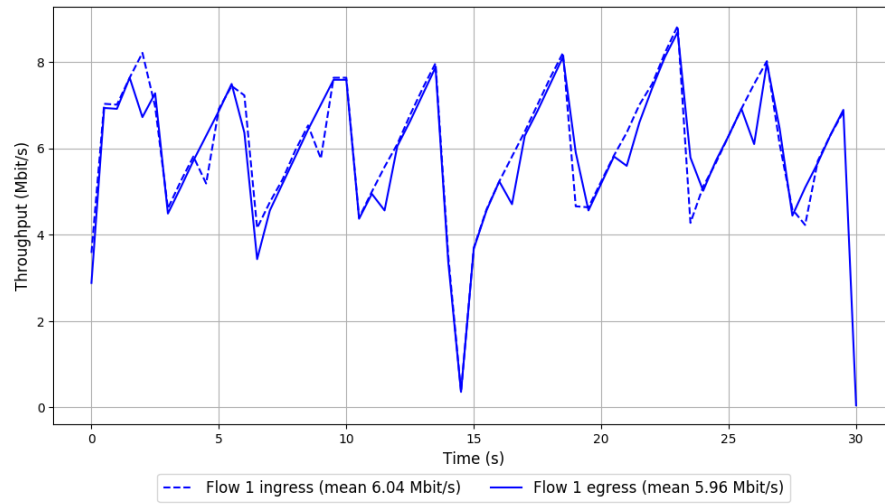
-- Flow 1:

Average throughput: 5.96 Mbit/s

95th percentile per-packet one-way delay: 51.815 ms

Loss rate: 1.33%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 15:00:18 +0000

End at: Sun, 06 Aug 2017 15:00:48 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:51:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 49.94 Mbit/s

95th percentile per-packet one-way delay: 52.285 ms

Loss rate: 0.01%

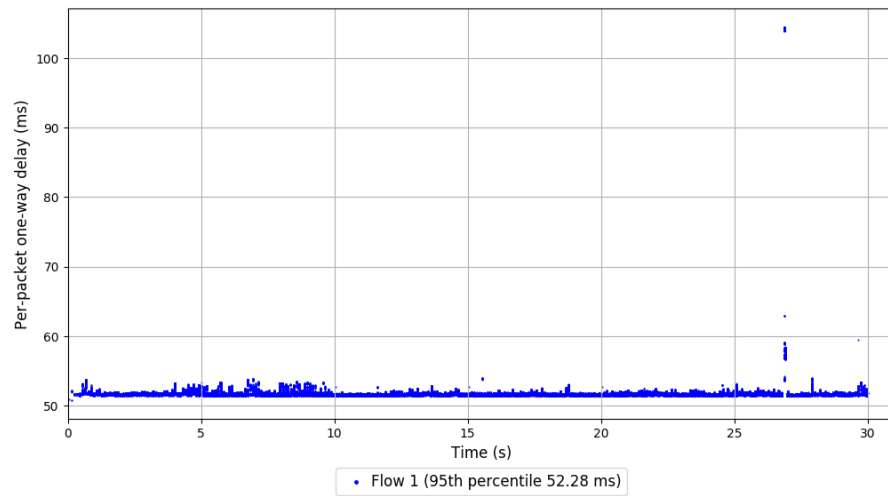
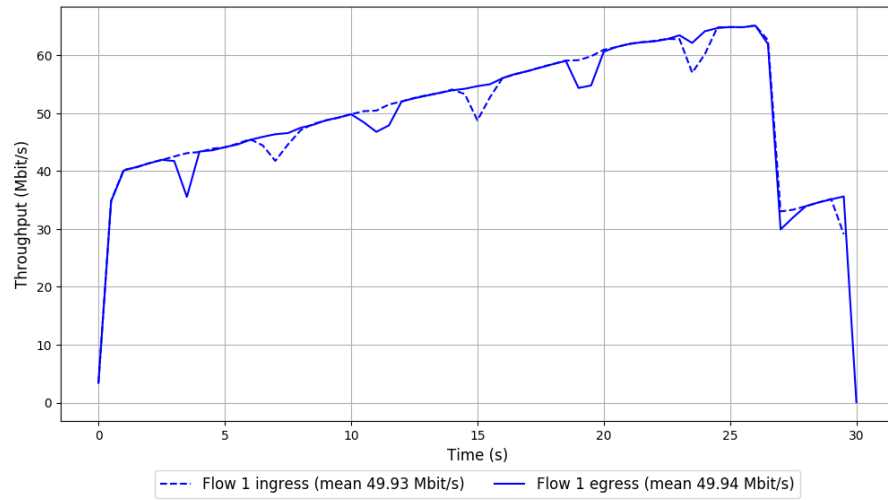
-- Flow 1:

Average throughput: 49.94 Mbit/s

95th percentile per-packet one-way delay: 52.285 ms

Loss rate: 0.01%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 15:10:26 +0000

End at: Sun, 06 Aug 2017 15:10:56 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:51:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.22 Mbit/s

95th percentile per-packet one-way delay: 51.057 ms

Loss rate: 2.57%

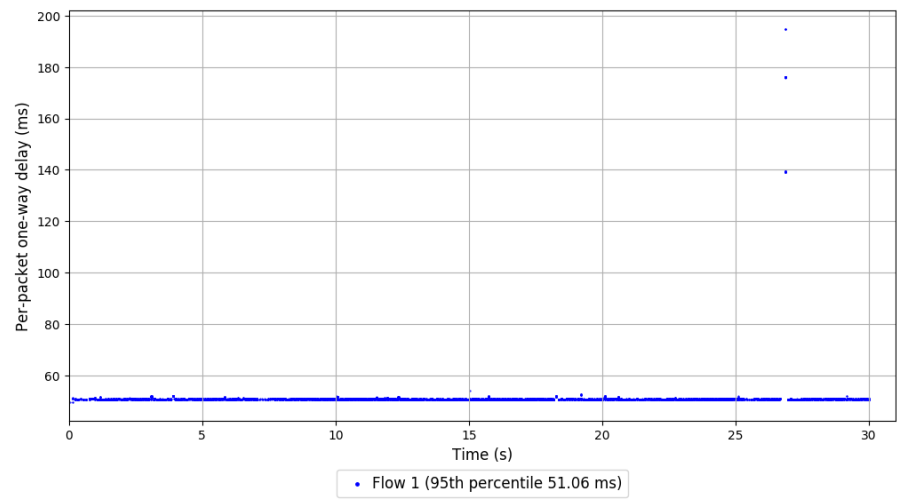
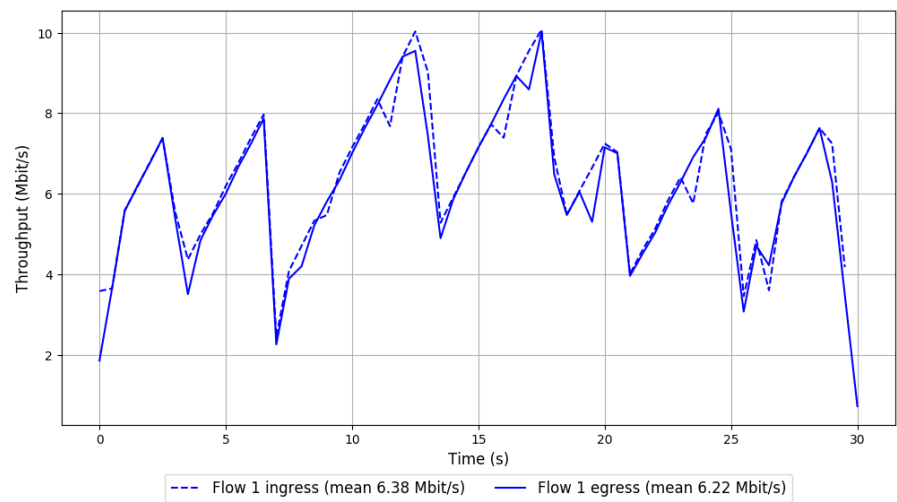
-- Flow 1:

Average throughput: 6.22 Mbit/s

95th percentile per-packet one-way delay: 51.057 ms

Loss rate: 2.57%

Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Sun, 06 Aug 2017 15:20:21 +0000

End at: Sun, 06 Aug 2017 15:20:51 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:51:02 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 7.53 Mbit/s

95th percentile per-packet one-way delay: 51.327 ms

Loss rate: 2.23%

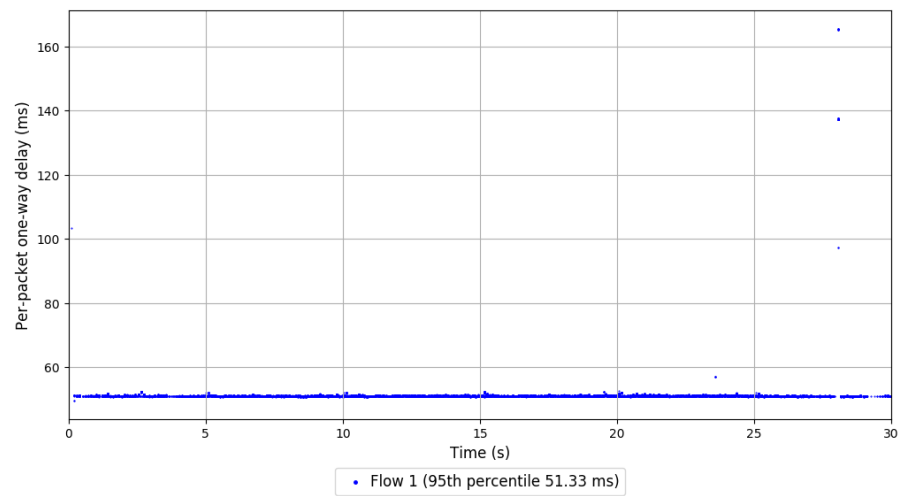
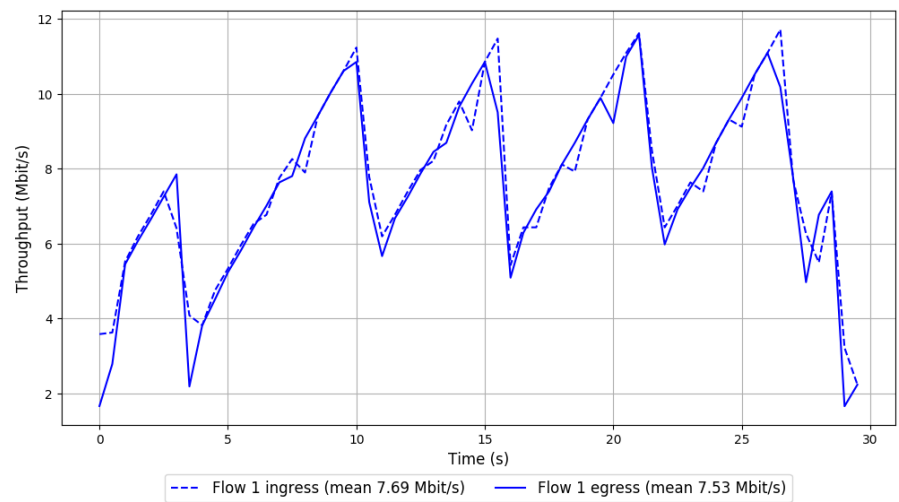
-- Flow 1:

Average throughput: 7.53 Mbit/s

95th percentile per-packet one-way delay: 51.327 ms

Loss rate: 2.23%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Sun, 06 Aug 2017 13:47:59 +0000

End at: Sun, 06 Aug 2017 13:48:29 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:51:26 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 135.85 Mbit/s

95th percentile per-packet one-way delay: 75.521 ms

Loss rate: 1.94%

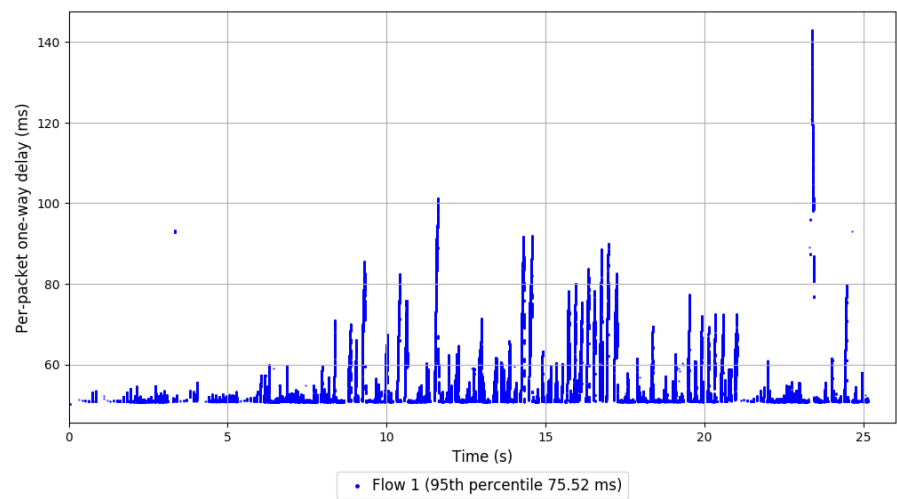
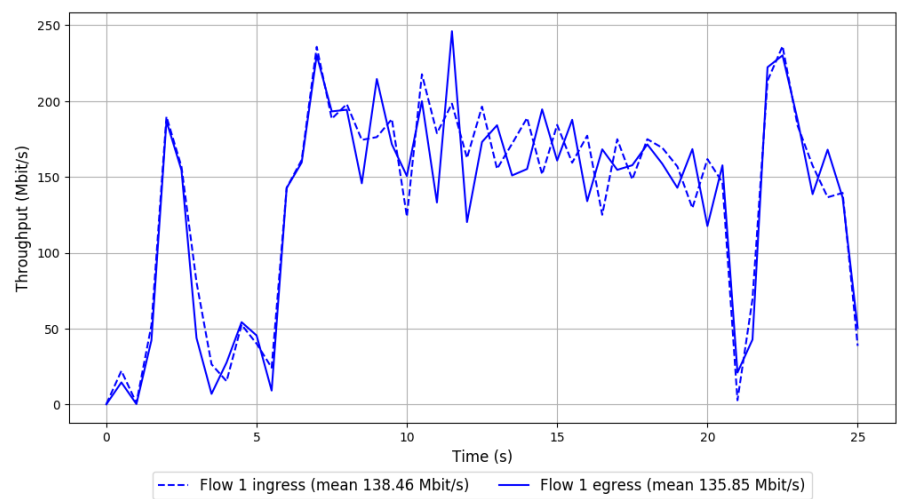
-- Flow 1:

Average throughput: 135.85 Mbit/s

95th percentile per-packet one-way delay: 75.521 ms

Loss rate: 1.94%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sun, 06 Aug 2017 13:58:09 +0000

End at: Sun, 06 Aug 2017 13:58:39 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:51:29 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 146.11 Mbit/s

95th percentile per-packet one-way delay: 63.264 ms

Loss rate: 2.00%

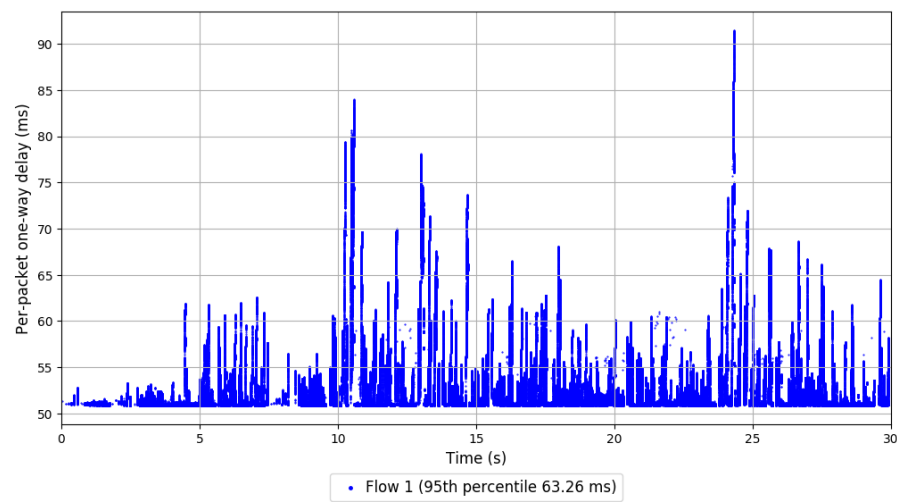
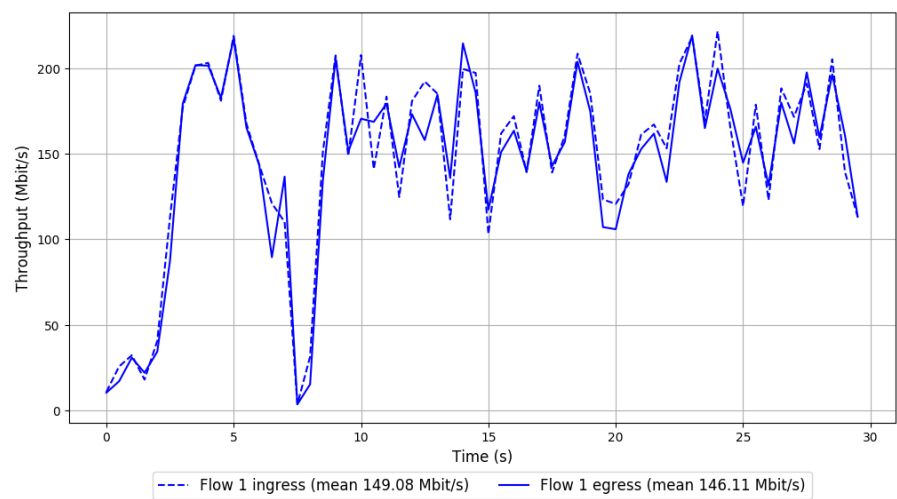
-- Flow 1:

Average throughput: 146.11 Mbit/s

95th percentile per-packet one-way delay: 63.264 ms

Loss rate: 2.00%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sun, 06 Aug 2017 14:07:58 +0000

End at: Sun, 06 Aug 2017 14:08:28 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:51:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 138.74 Mbit/s

95th percentile per-packet one-way delay: 73.810 ms

Loss rate: 4.46%

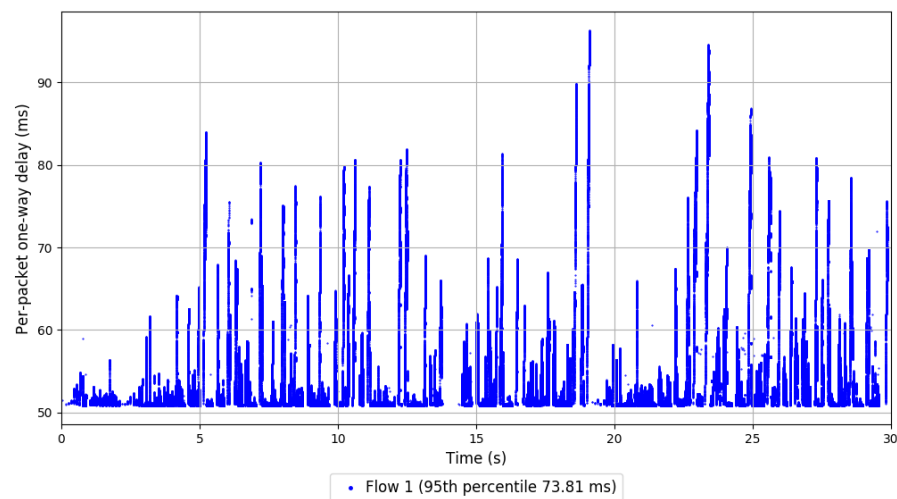
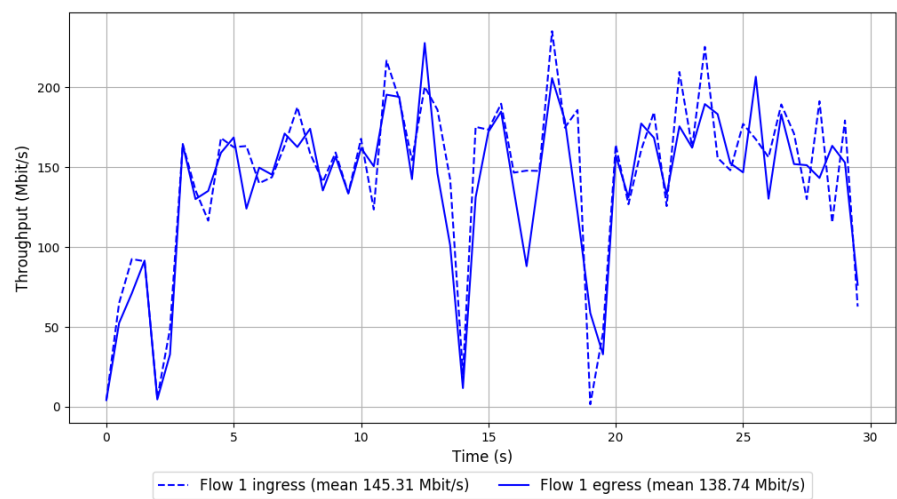
-- Flow 1:

Average throughput: 138.74 Mbit/s

95th percentile per-packet one-way delay: 73.810 ms

Loss rate: 4.46%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Sun, 06 Aug 2017 14:18:15 +0000

End at: Sun, 06 Aug 2017 14:18:45 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:51:52 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 43.35 Mbit/s

95th percentile per-packet one-way delay: 54.981 ms

Loss rate: 77.67%

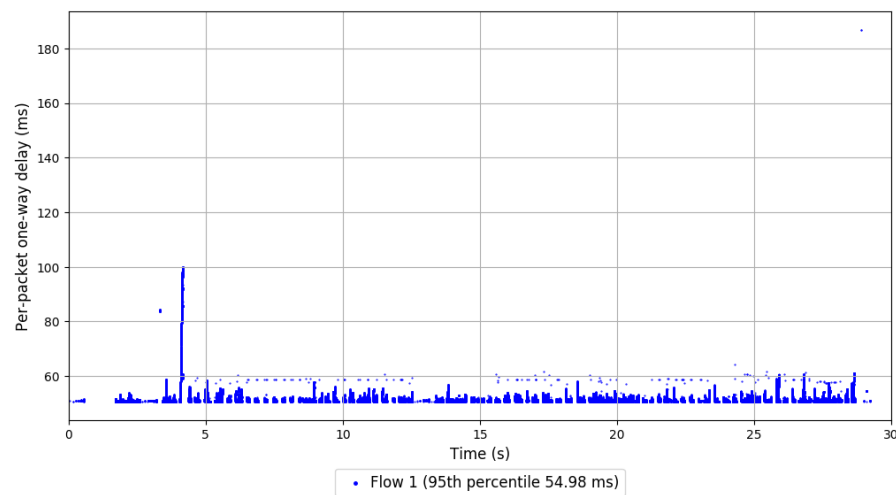
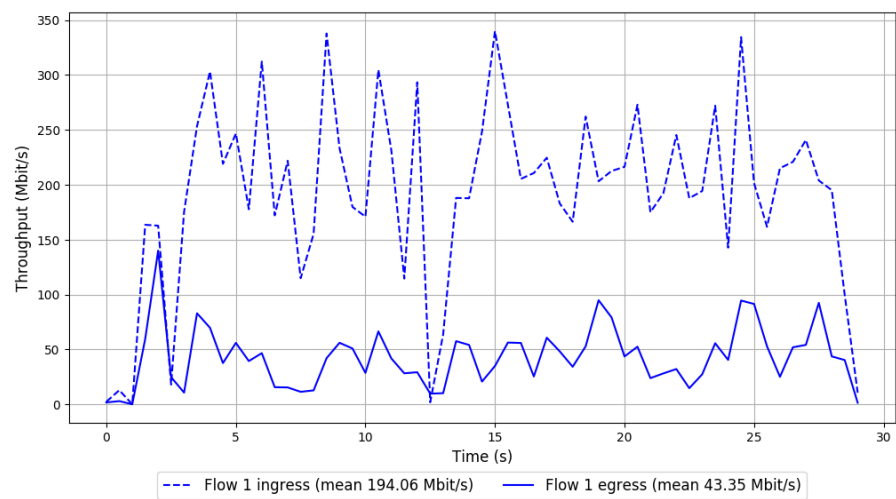
-- Flow 1:

Average throughput: 43.35 Mbit/s

95th percentile per-packet one-way delay: 54.981 ms

Loss rate: 77.67%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Sun, 06 Aug 2017 14:28:06 +0000

End at: Sun, 06 Aug 2017 14:28:36 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:51:57 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.49 Mbit/s

95th percentile per-packet one-way delay: 55.651 ms

Loss rate: 93.11%

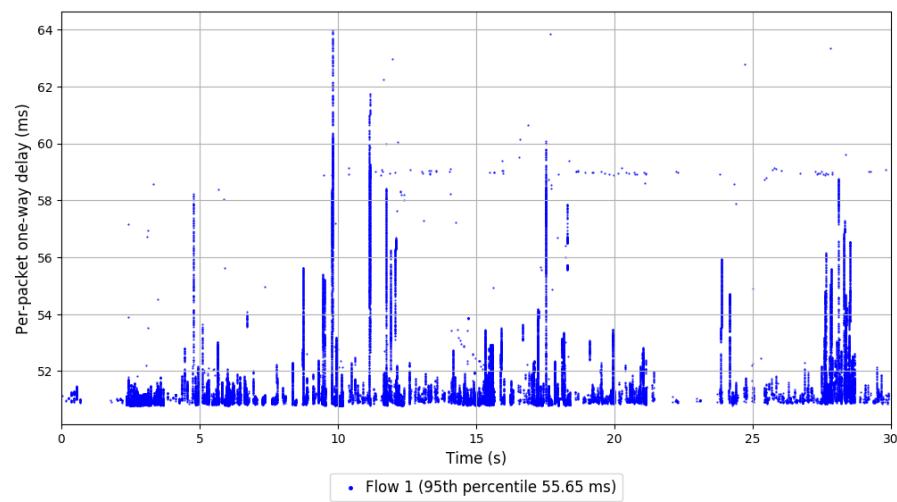
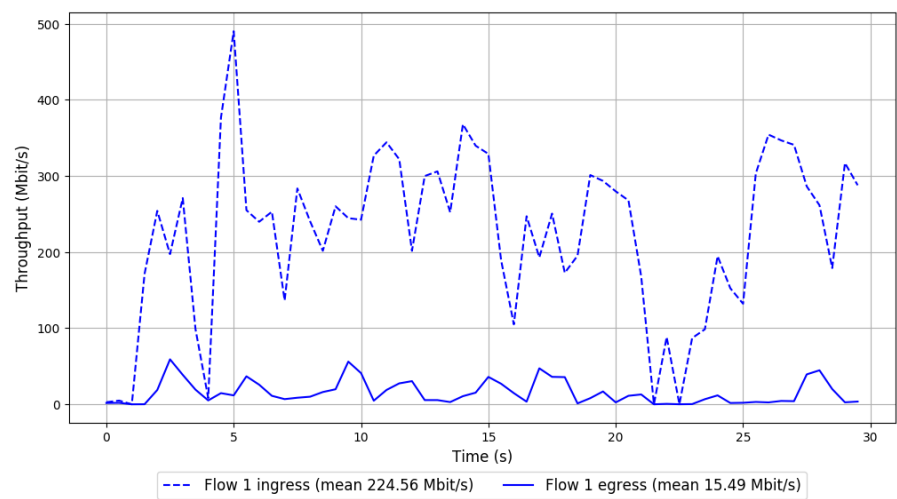
-- Flow 1:

Average throughput: 15.49 Mbit/s

95th percentile per-packet one-way delay: 55.651 ms

Loss rate: 93.11%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Sun, 06 Aug 2017 14:37:54 +0000

End at: Sun, 06 Aug 2017 14:38:24 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:52:04 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 15.51 Mbit/s

95th percentile per-packet one-way delay: 56.009 ms

Loss rate: 93.42%

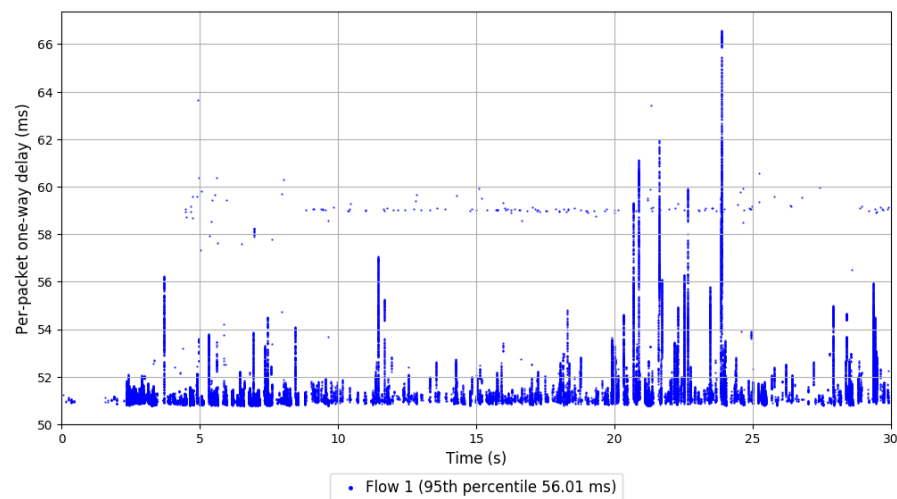
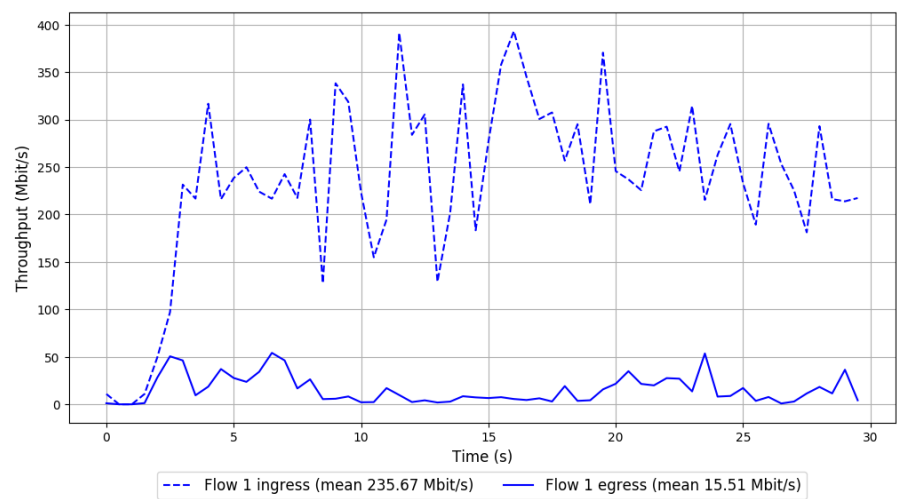
-- Flow 1:

Average throughput: 15.51 Mbit/s

95th percentile per-packet one-way delay: 56.009 ms

Loss rate: 93.42%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Sun, 06 Aug 2017 14:48:02 +0000

End at: Sun, 06 Aug 2017 14:48:32 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:52:08 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 22.42 Mbit/s

95th percentile per-packet one-way delay: 54.393 ms

Loss rate: 88.59%

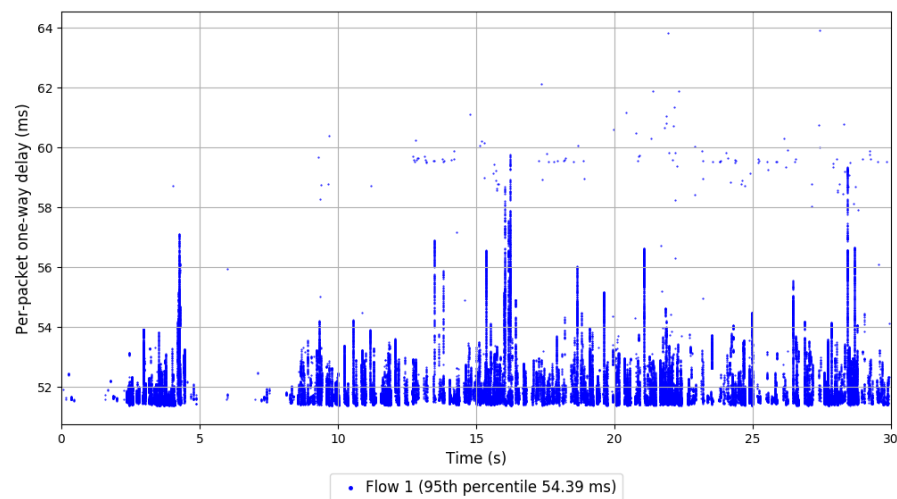
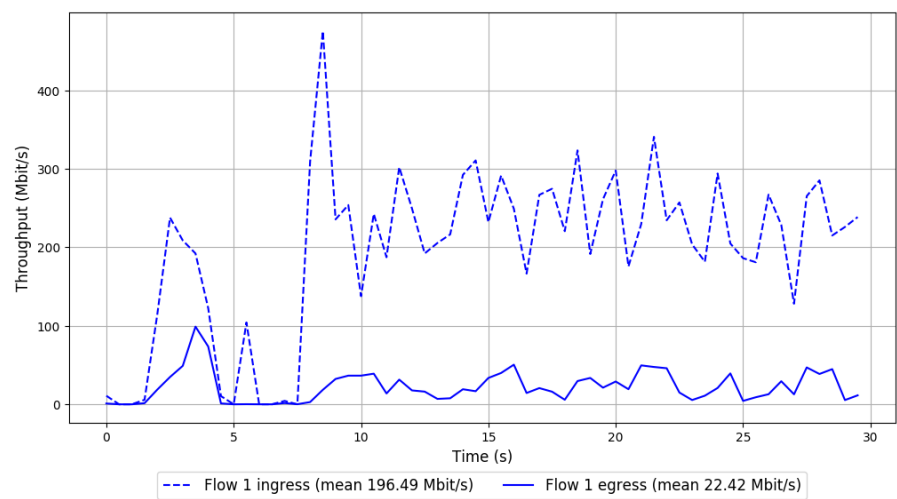
-- Flow 1:

Average throughput: 22.42 Mbit/s

95th percentile per-packet one-way delay: 54.393 ms

Loss rate: 88.59%

Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Sun, 06 Aug 2017 14:57:47 +0000

End at: Sun, 06 Aug 2017 14:58:17 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:52:12 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 6.69 Mbit/s

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

Loss rate: 95.03%

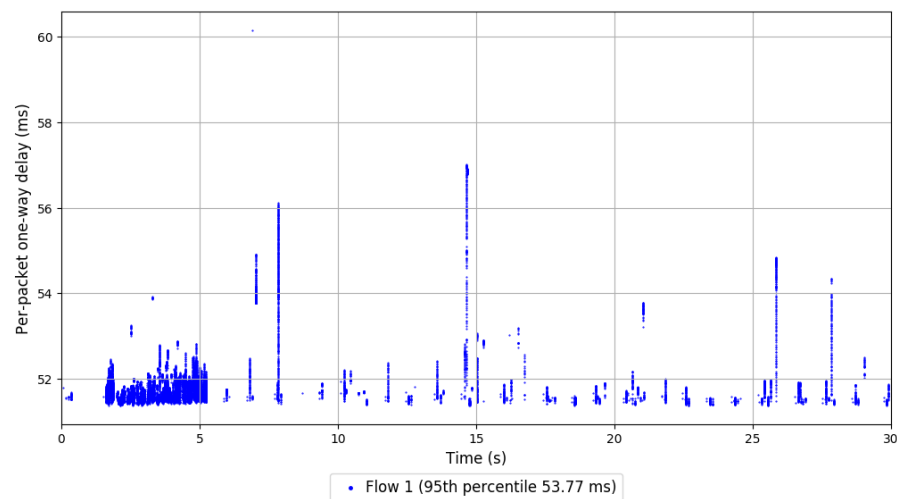
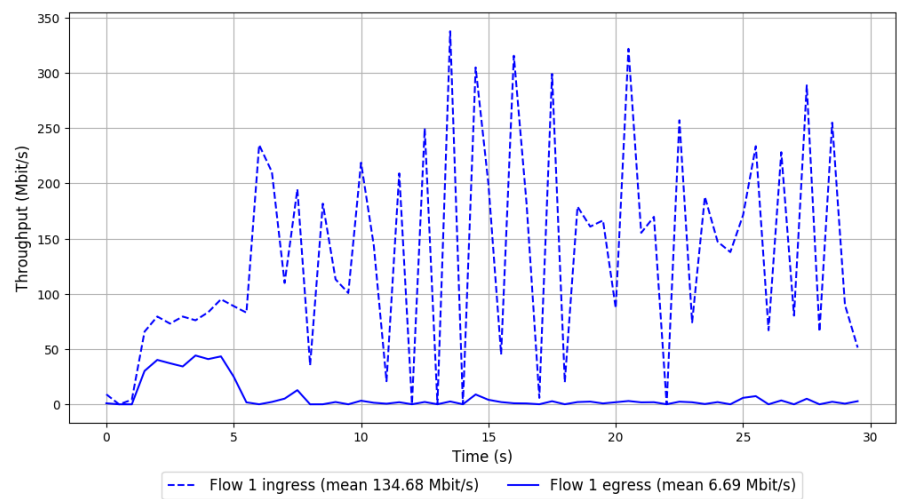
-- Flow 1:

Average throughput: 6.69 Mbit/s

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

Loss rate: 95.03%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Sun, 06 Aug 2017 15:07:42 +0000

End at: Sun, 06 Aug 2017 15:08:12 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:52:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 169.09 Mbit/s

95th percentile per-packet one-way delay: 75.302 ms

Loss rate: 0.59%

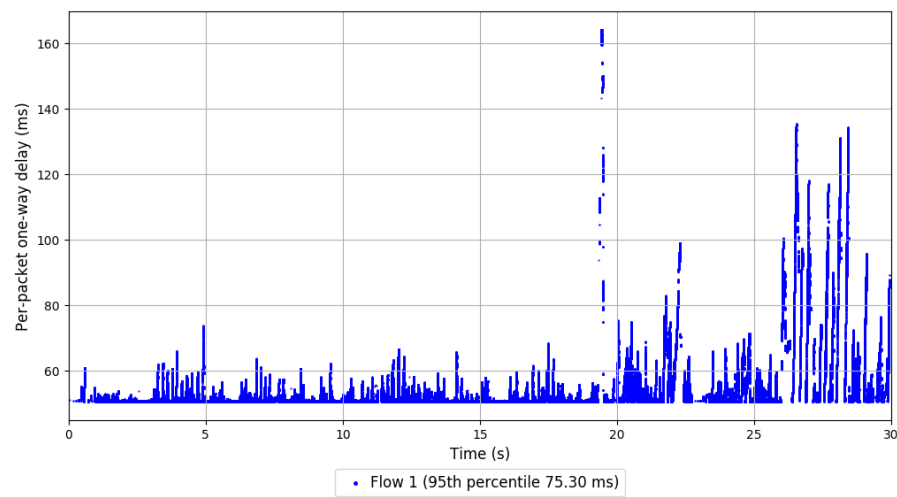
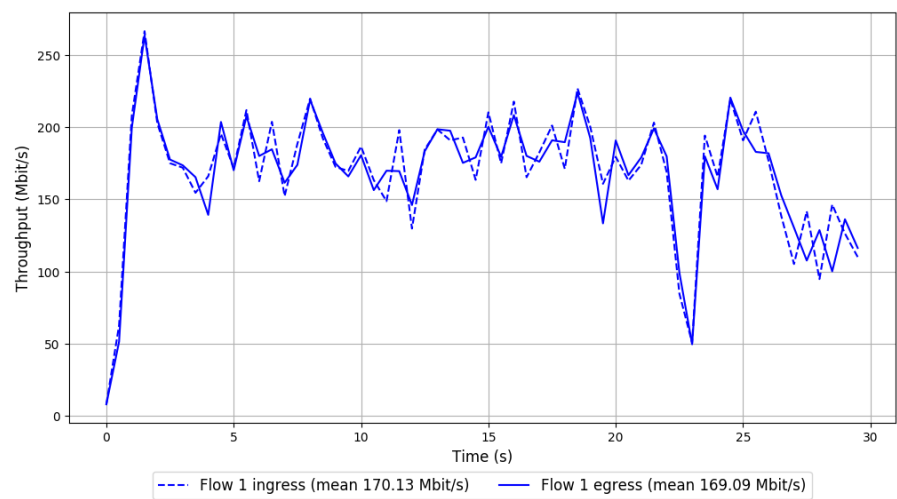
-- Flow 1:

Average throughput: 169.09 Mbit/s

95th percentile per-packet one-way delay: 75.302 ms

Loss rate: 0.59%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Sun, 06 Aug 2017 15:17:47 +0000

End at: Sun, 06 Aug 2017 15:18:17 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:52:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 38.44 Mbit/s

95th percentile per-packet one-way delay: 54.902 ms

Loss rate: 81.86%

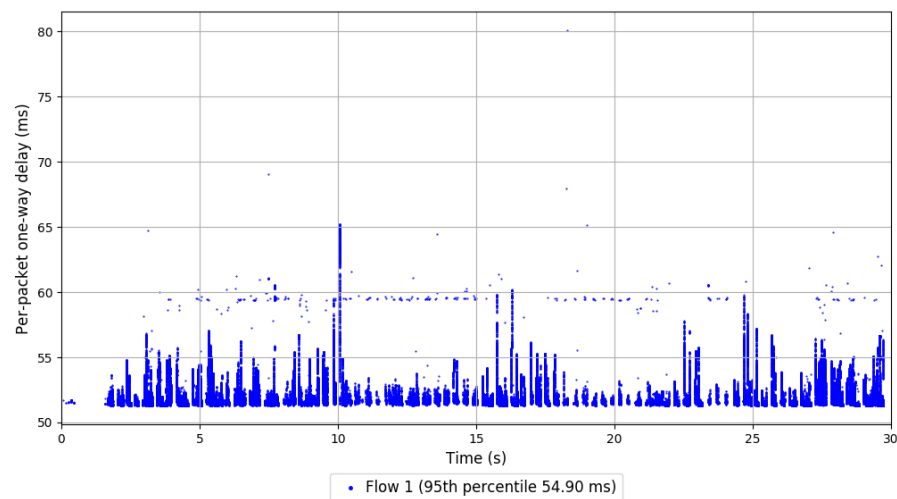
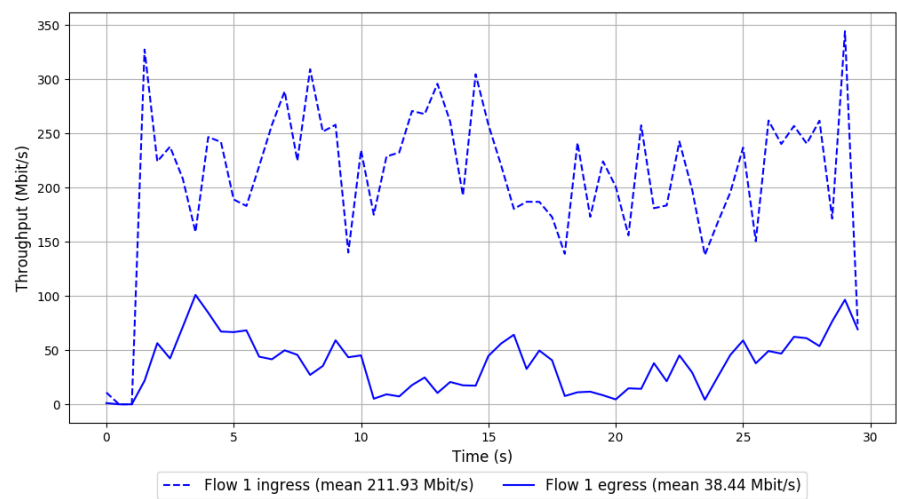
-- Flow 1:

Average throughput: 38.44 Mbit/s

95th percentile per-packet one-way delay: 54.902 ms

Loss rate: 81.86%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Sun, 06 Aug 2017 13:49:21 +0000

End at: Sun, 06 Aug 2017 13:49:51 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:52:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 53.619 ms

Loss rate: 0.00%

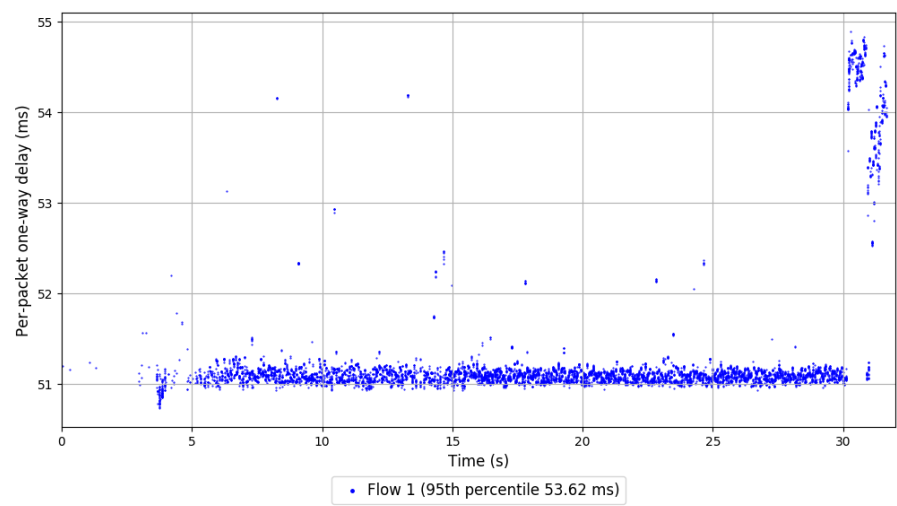
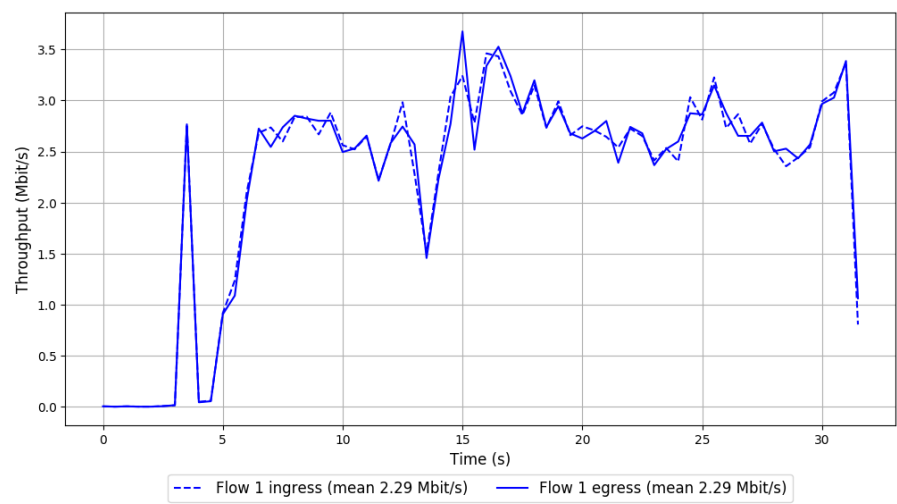
-- Flow 1:

Average throughput: 2.29 Mbit/s

95th percentile per-packet one-way delay: 53.619 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 13:59:33 +0000

End at: Sun, 06 Aug 2017 14:00:03 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:52:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 51.324 ms

Loss rate: 0.00%

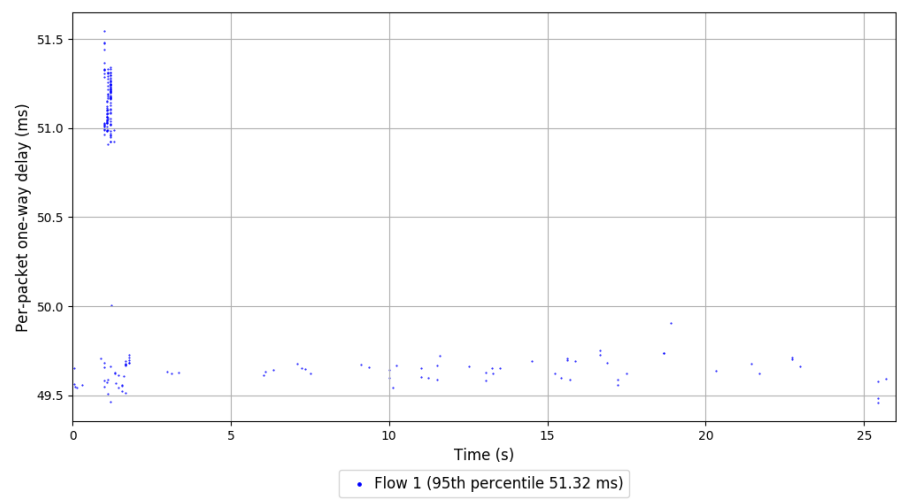
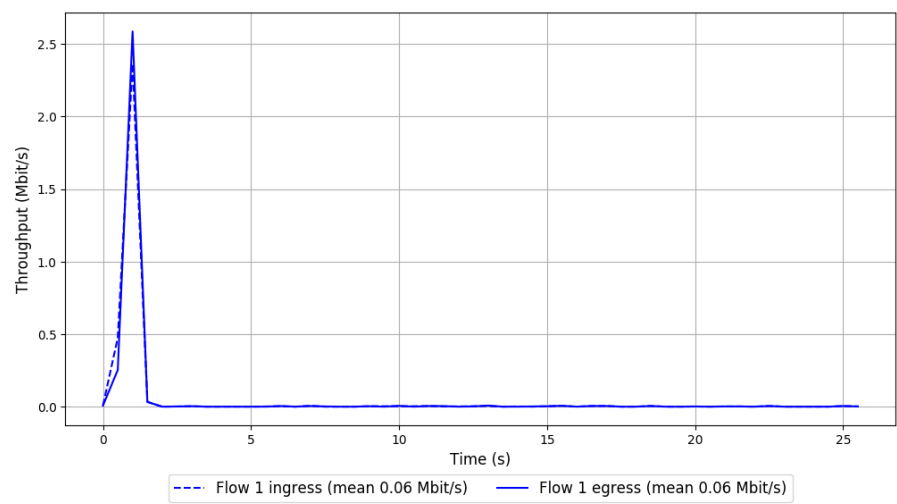
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 51.324 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 14:09:25 +0000

End at: Sun, 06 Aug 2017 14:09:55 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:52:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 51.054 ms

Loss rate: 0.00%

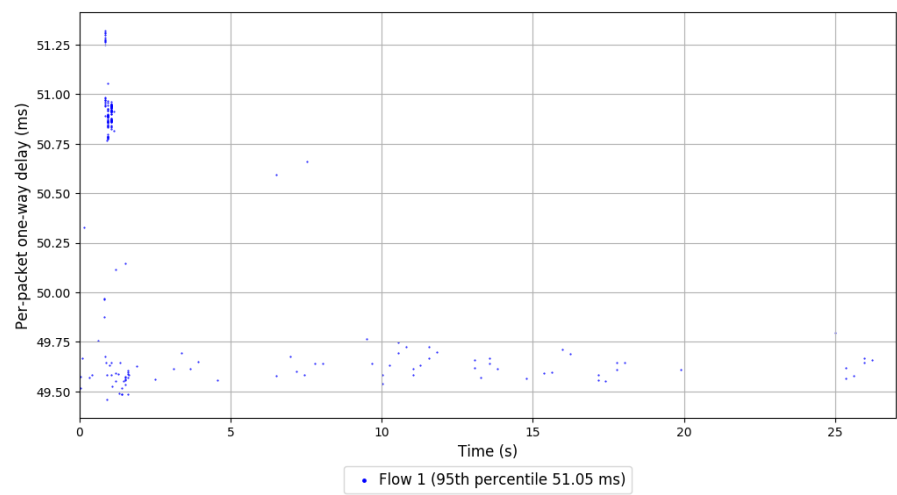
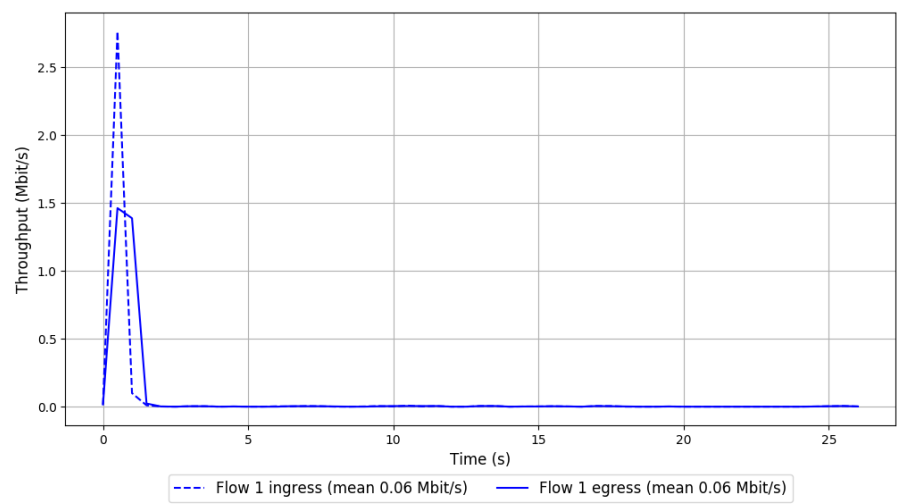
-- Flow 1:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 51.054 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 14:19:35 +0000

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

Below is generated by plot.py at Sun, 06 Aug 2017 16:52:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 51.059 ms

Loss rate: 0.00%

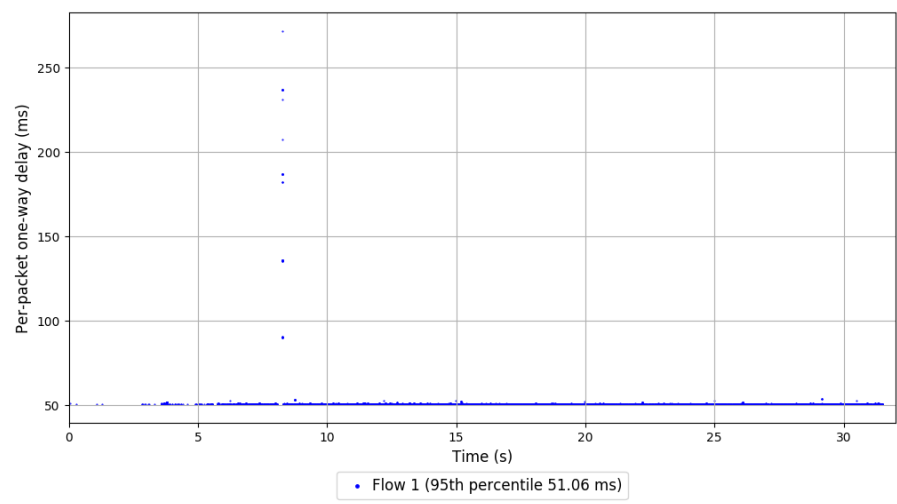
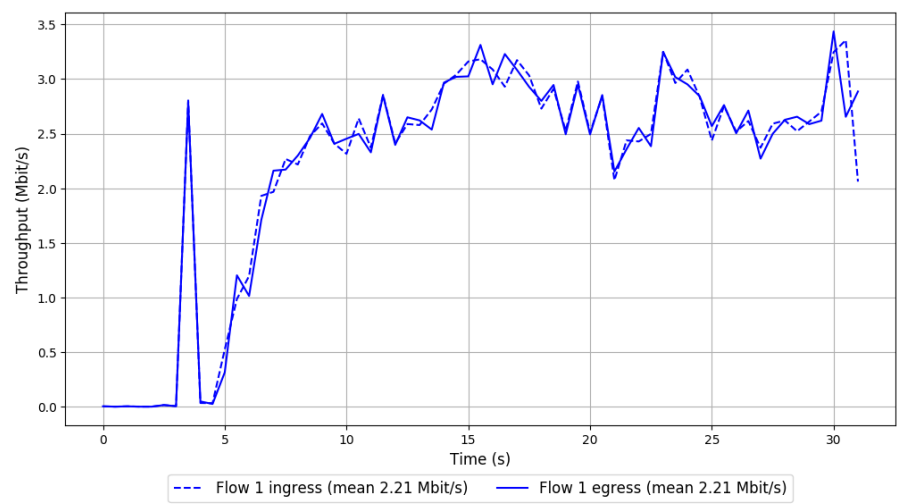
-- Flow 1:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 51.059 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 14:29:25 +0000

End at: Sun, 06 Aug 2017 14:29:55 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:52:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 51.110 ms

Loss rate: 0.00%

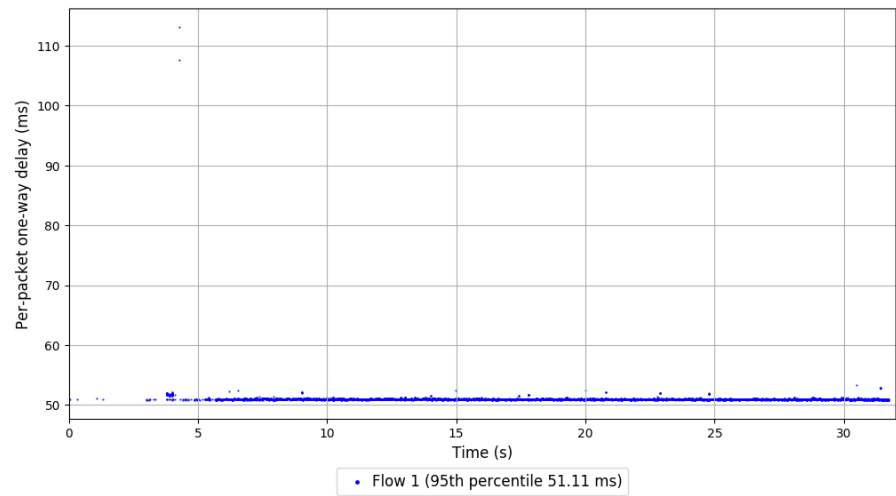
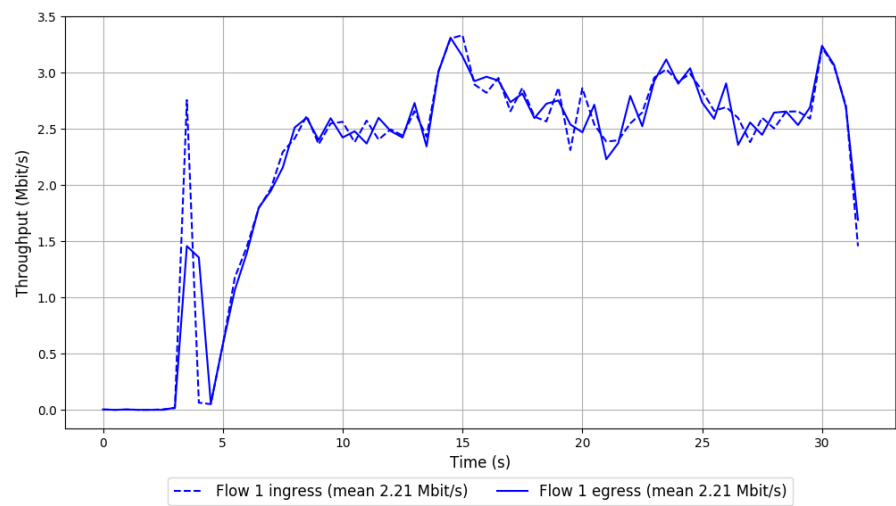
-- Flow 1:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 51.110 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 14:39:13 +0000

End at: Sun, 06 Aug 2017 14:39:43 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:52:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 50.776 ms

Loss rate: 0.00%

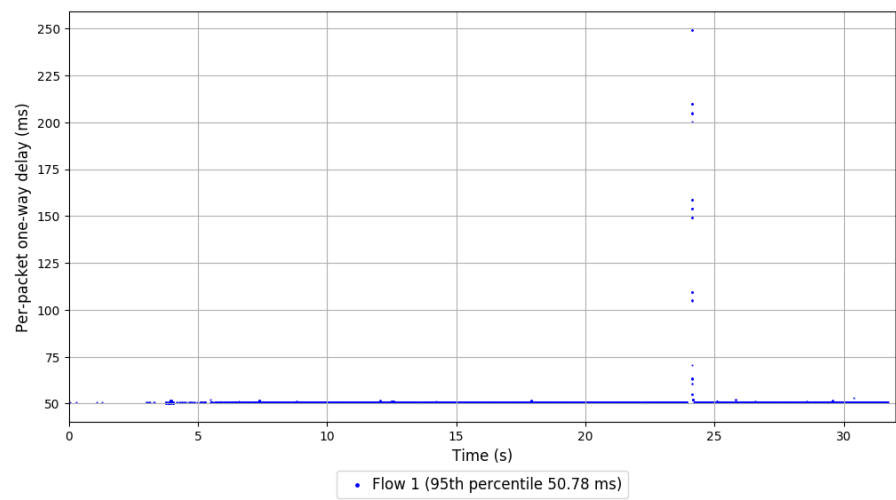
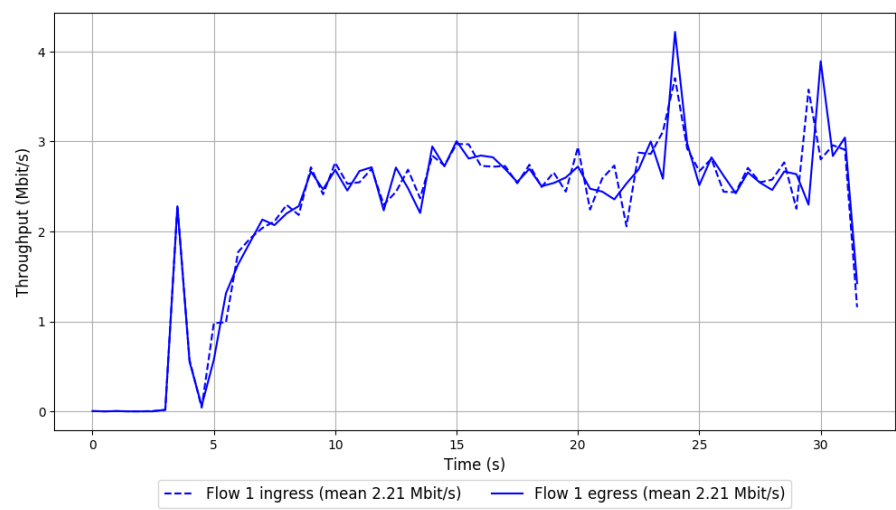
-- Flow 1:

Average throughput: 2.21 Mbit/s

95th percentile per-packet one-way delay: 50.776 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 14:49:21 +0000

End at: Sun, 06 Aug 2017 14:49:51 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:52:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 49.973 ms

Loss rate: 0.00%

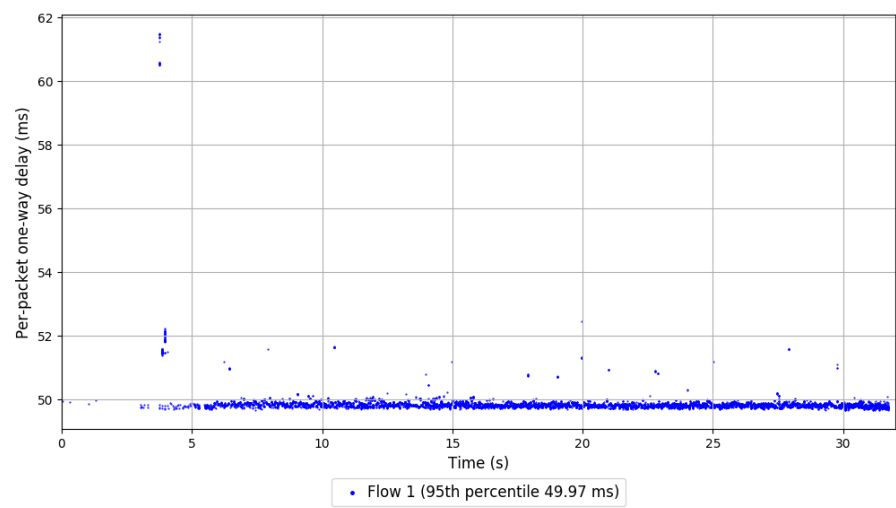
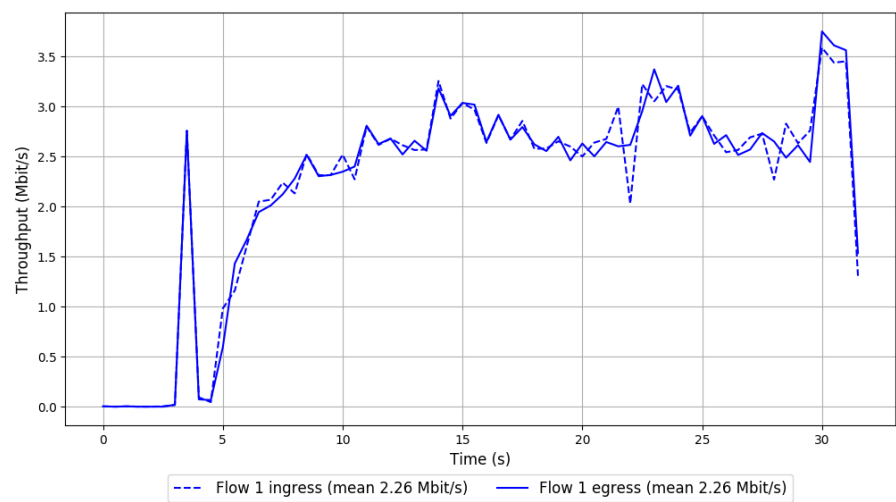
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 49.973 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 14:59:04 +0000

End at: Sun, 06 Aug 2017 14:59:34 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:52:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 51.450 ms

Loss rate: 0.00%

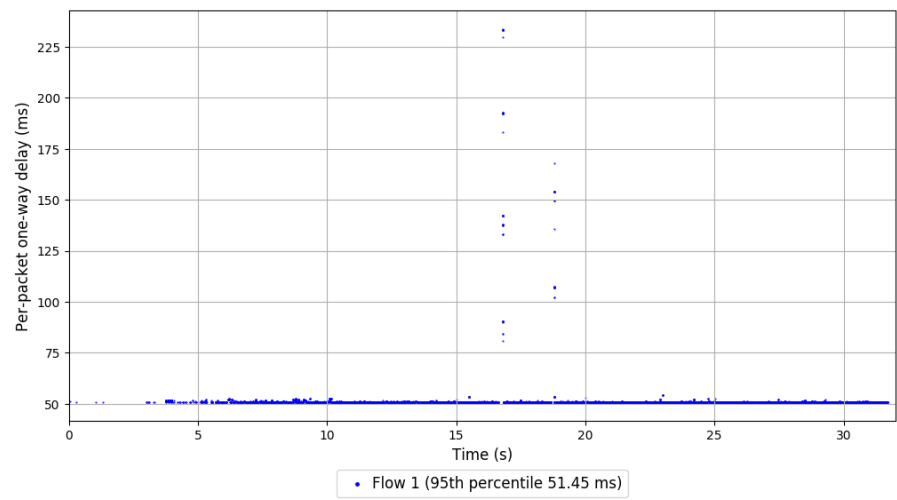
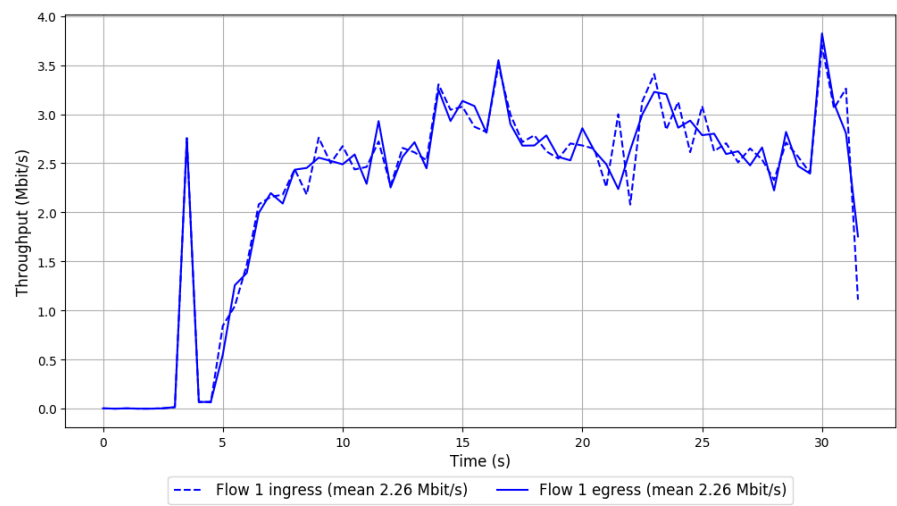
-- Flow 1:

Average throughput: 2.26 Mbit/s

95th percentile per-packet one-way delay: 51.450 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 15:09:13 +0000

End at: Sun, 06 Aug 2017 15:09:43 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:52:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 50.677 ms

Loss rate: 0.00%

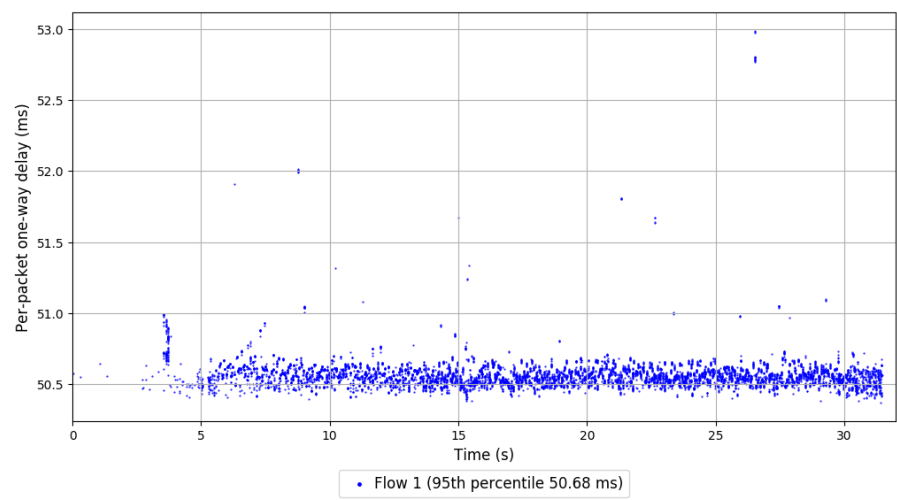
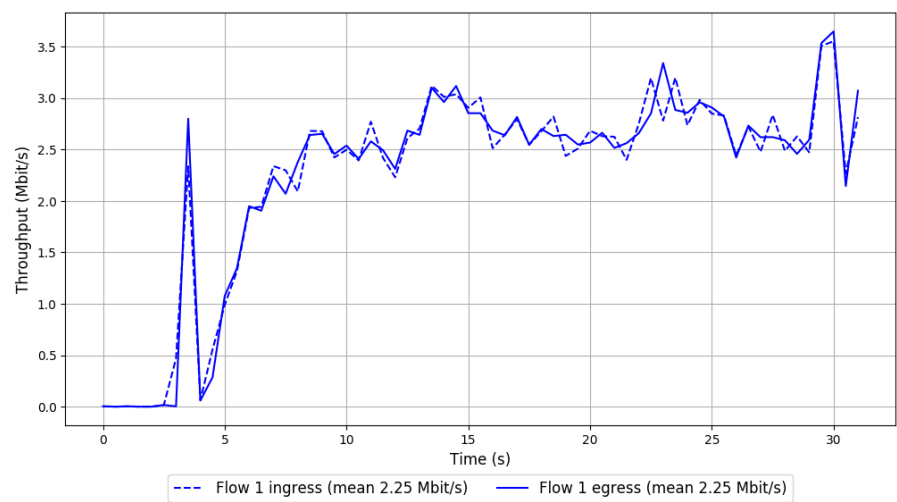
-- Flow 1:

Average throughput: 2.25 Mbit/s

95th percentile per-packet one-way delay: 50.677 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 15:19:07 +0000

End at: Sun, 06 Aug 2017 15:19:37 +0000

Below is generated by plot.py at Sun, 06 Aug 2017 16:52:44 +0000

Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 50.733 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 50.733 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

