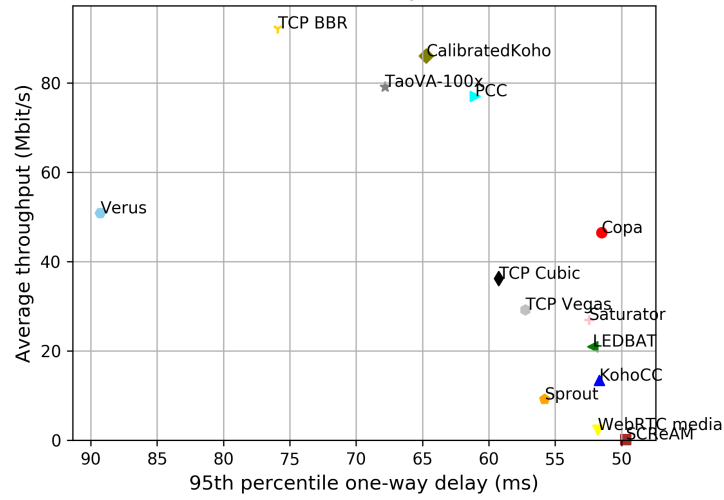


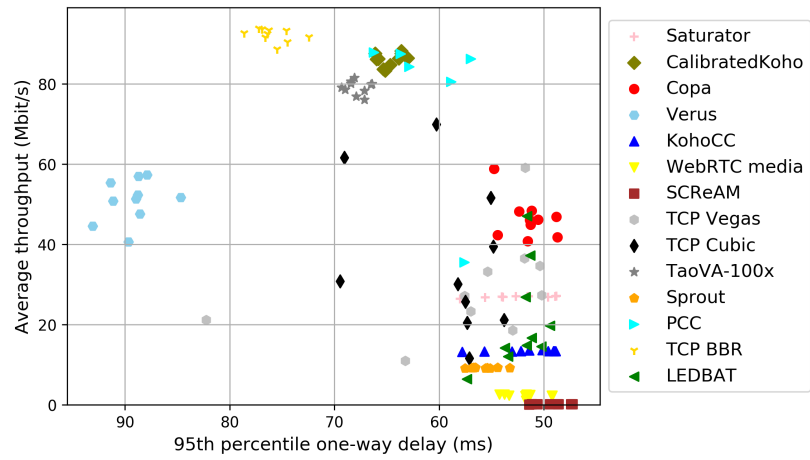
**Pantheon Summary** (Generated at Mon, 17 Jul 2017 02:10:32 +0000 with pantheon version d7b3554d9e52d3442ab19bc1e1c71f4629d4a0ac)  
Repeated the test of 15 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 1 flow.  
Data path: AWS California 2 Ethernet (*local*) → Mexico Ethernet (*remote*).  
NTP offset measured against time.stanford.edu and has been applied to correct the timestamps in logs.

```
git branch: master @ d7b3554d9e52d3442ab19bc1e1c71f4629d4a0ac
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 AWS California 2 Ethernet to Mexico Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from AWS California 2 Ethernet to Mexico 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	92.19	75.91	1.57
CalibratedKoho	10	86.03	64.72	0.46
Copa	10	46.45	51.50	0.13
TCP Cubic	10	36.25	59.27	0.49
KohoCC	10	13.41	51.69	0.19
LEDBAT	10	20.98	52.17	0.18
PCC	10	77.02	61.04	1.00
QUIC Cubic	10	nan	nan	nan
Saturator	10	26.95	52.46	0.18
SCReAM	10	0.20	49.69	0.11
Sprout	10	9.19	55.81	0.25
TaoVA-100x	10	79.11	67.84	0.30
TCP Vegas	10	29.22	57.26	0.98
Verus	10	50.87	89.29	41.96
WebRTC media	10	2.33	51.80	0.11

Run 1: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 19:20:13 +0000

End at: Sun, 16 Jul 2017 19:20:43 +0000

Local clock offset: 0.619 ms

Remote clock offset: 0.034 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:02:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.67 Mbit/s

95th percentile per-packet one-way delay: 76.905 ms

Loss rate: 1.27%

-- Flow 1:

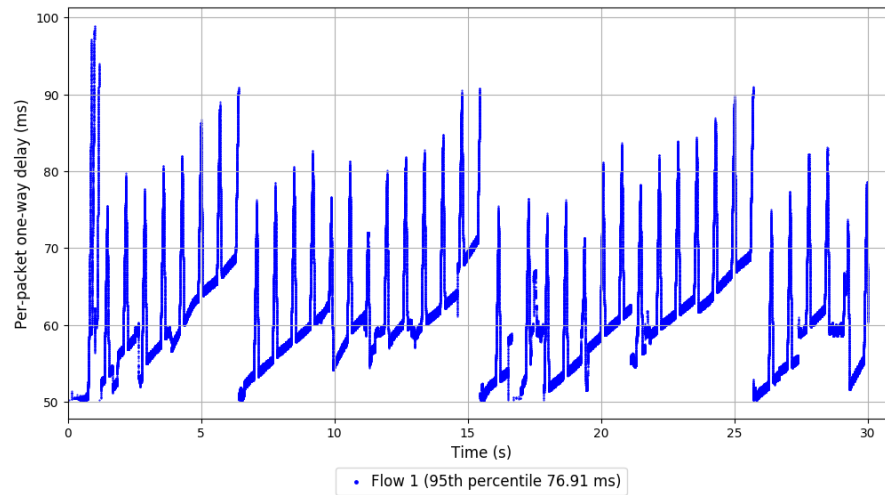
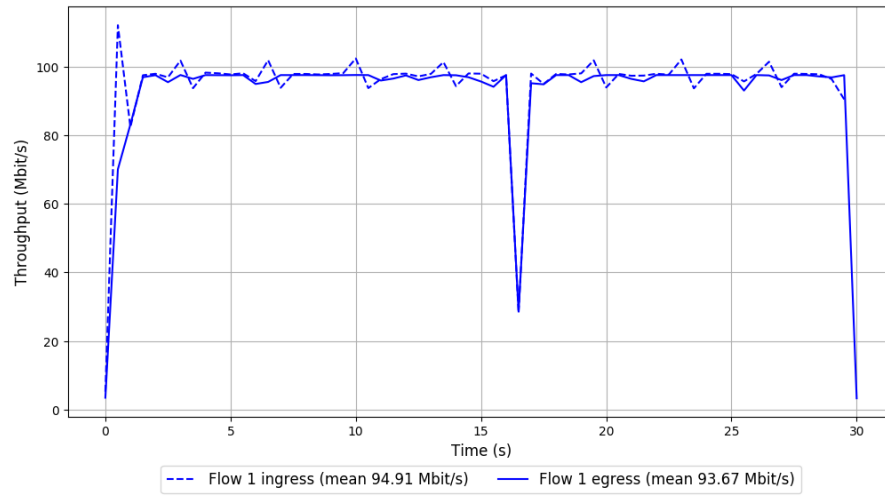
Average throughput: 93.67 Mbit/s

95th percentile per-packet one-way delay: 76.905 ms

Loss rate: 1.27%



# Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 19:39:54 +0000

End at: Sun, 16 Jul 2017 19:40:24 +0000

Local clock offset: 0.618 ms

Remote clock offset: 0.544 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:02:22 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.69 Mbit/s

95th percentile per-packet one-way delay: 78.643 ms

Loss rate: 1.67%

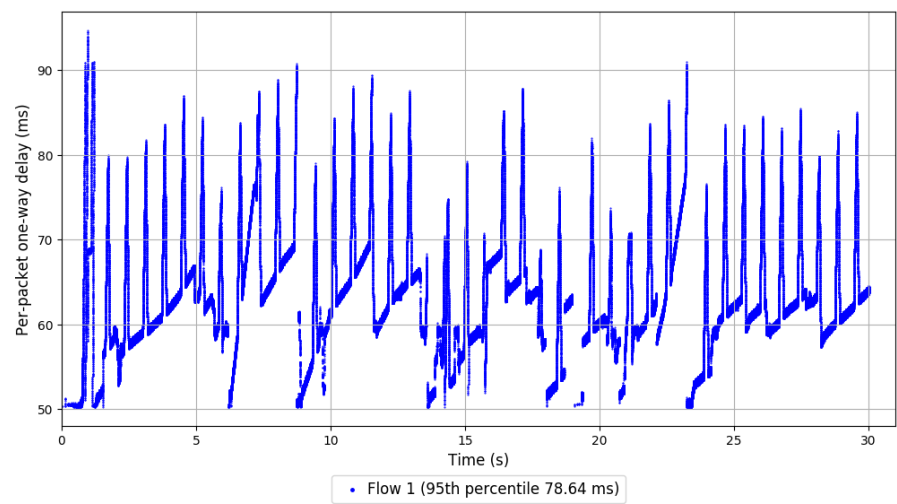
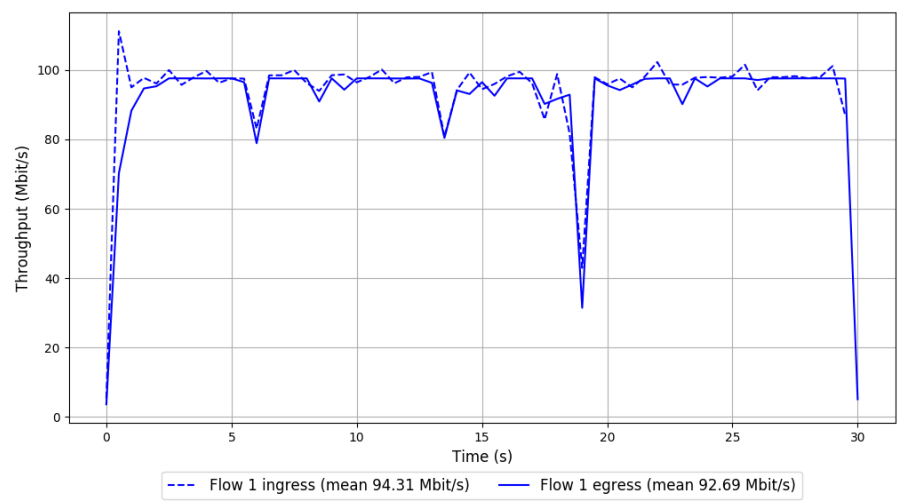
-- Flow 1:

Average throughput: 92.69 Mbit/s

95th percentile per-packet one-way delay: 78.643 ms

Loss rate: 1.67%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 19:59:37 +0000

End at: Sun, 16 Jul 2017 20:00:07 +0000

Local clock offset: 0.443 ms

Remote clock offset: -1.396 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:02:33 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 76.600 ms

Loss rate: 1.86%

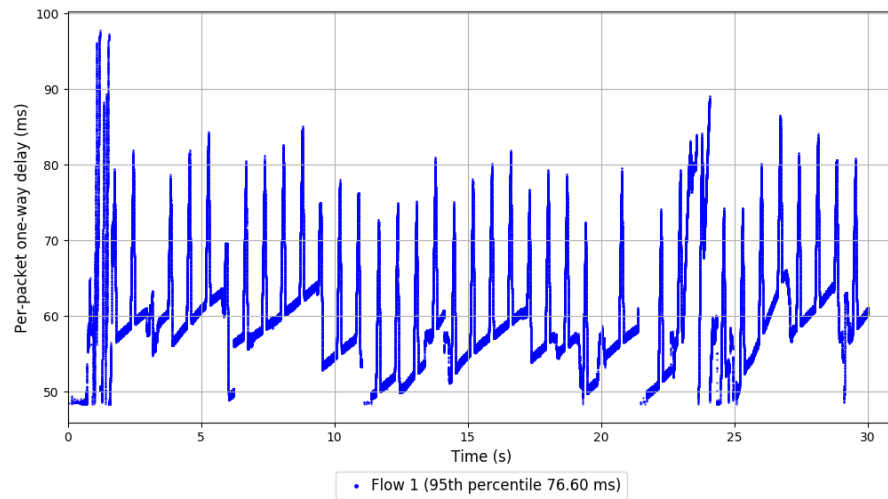
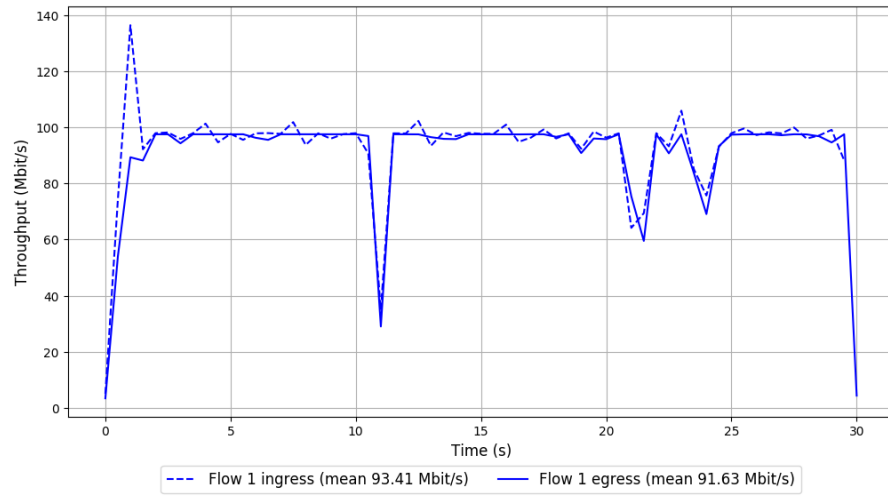
-- Flow 1:

Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 76.600 ms

Loss rate: 1.86%

### Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 20:19:18 +0000

End at: Sun, 16 Jul 2017 20:19:48 +0000

Local clock offset: 0.366 ms

Remote clock offset: -1.431 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:02:34 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.50 Mbit/s

95th percentile per-packet one-way delay: 74.488 ms

Loss rate: 1.87%

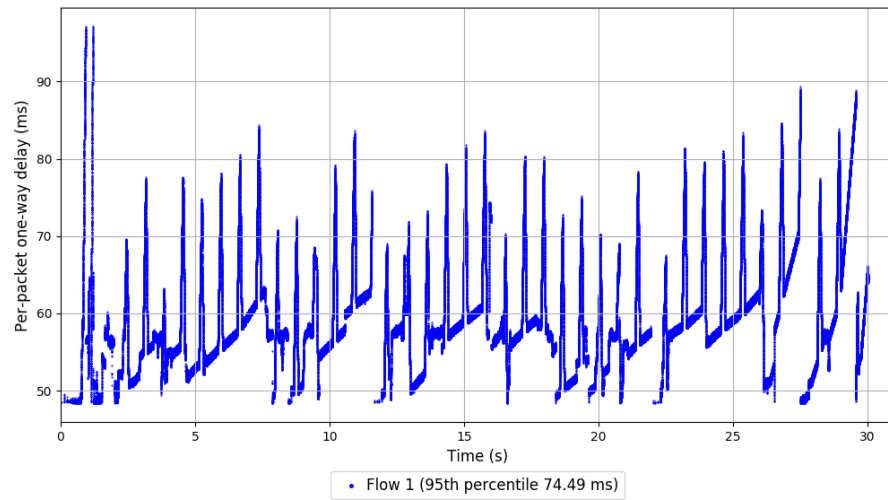
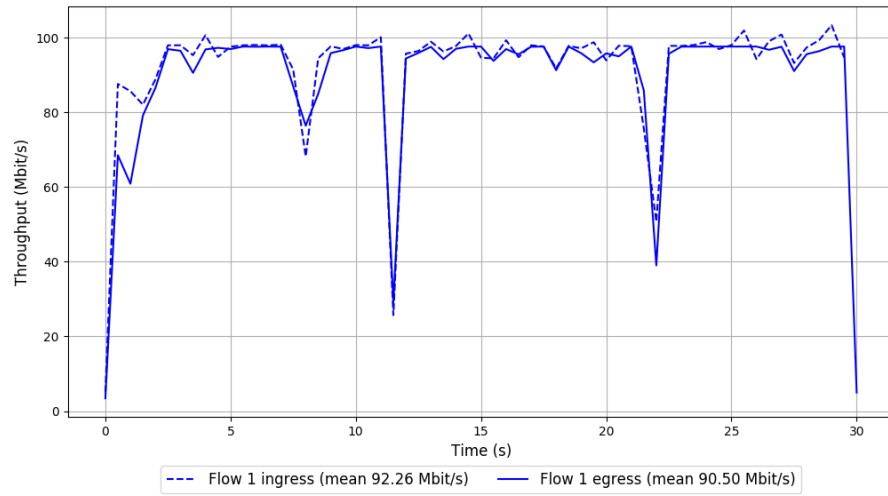
-- Flow 1:

Average throughput: 90.50 Mbit/s

95th percentile per-packet one-way delay: 74.488 ms

Loss rate: 1.87%

#### Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 20:38:49 +0000

End at: Sun, 16 Jul 2017 20:39:19 +0000

Local clock offset: 0.33 ms

Remote clock offset: -1.288 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:02:46 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.52 Mbit/s

95th percentile per-packet one-way delay: 76.399 ms

Loss rate: 1.07%

-- Flow 1:

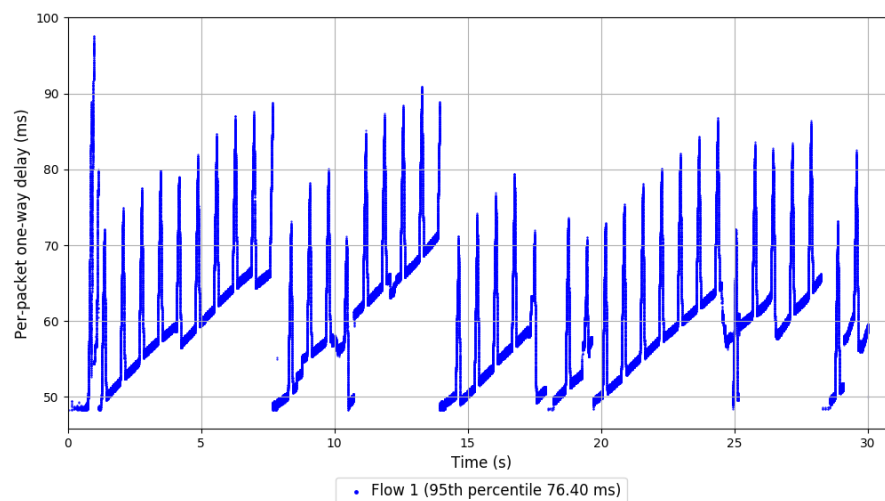
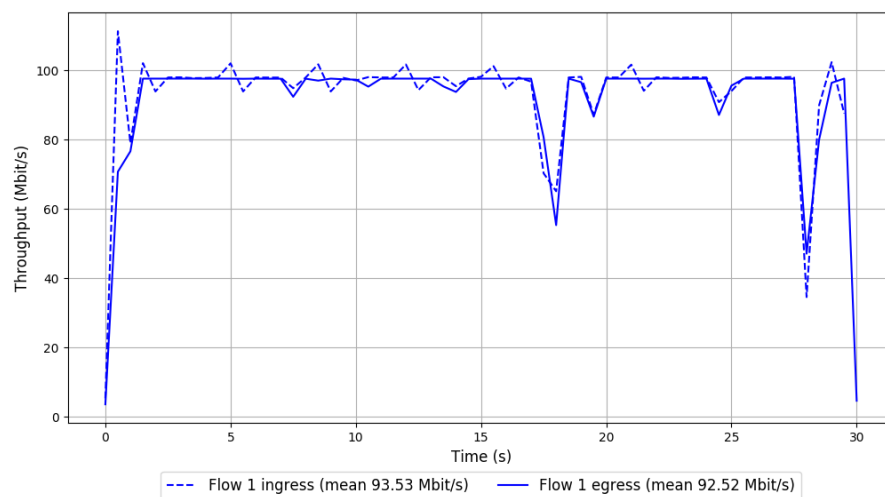
Average throughput: 92.52 Mbit/s

95th percentile per-packet one-way delay: 76.399 ms

Loss rate: 1.07%



### Run 5: Report of TCP BBR — Data Link



Run 6: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 20:58:31 +0000

End at: Sun, 16 Jul 2017 20:59:01 +0000

Local clock offset: 0.383 ms

Remote clock offset: 1.083 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:02:46 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.66 Mbit/s

95th percentile per-packet one-way delay: 75.472 ms

Loss rate: 2.59%

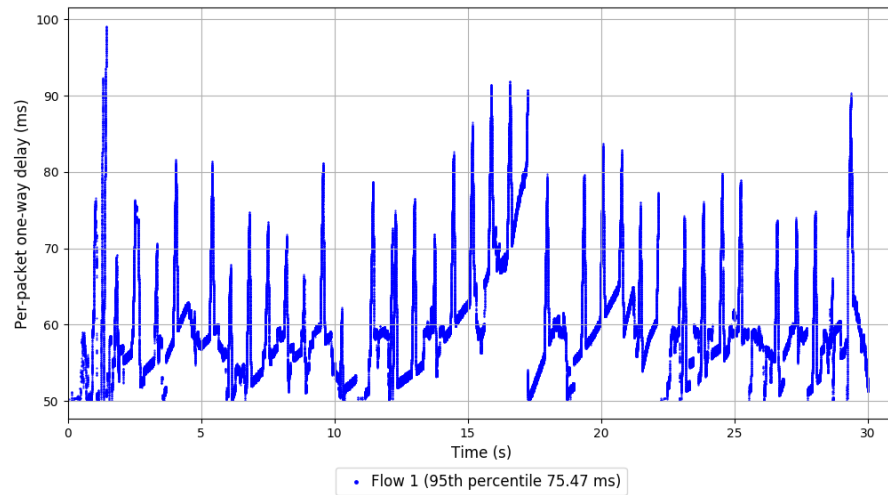
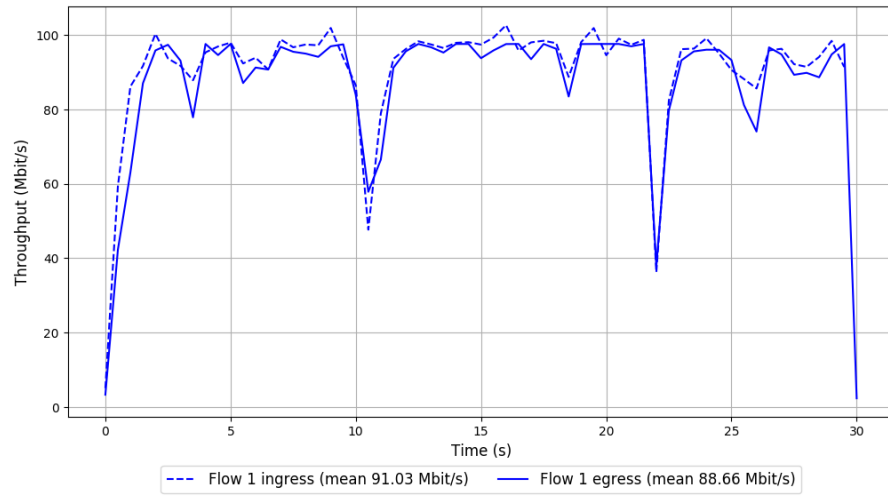
-- Flow 1:

Average throughput: 88.66 Mbit/s

95th percentile per-packet one-way delay: 75.472 ms

Loss rate: 2.59%

# Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 21:18:08 +0000

End at: Sun, 16 Jul 2017 21:18:38 +0000

Local clock offset: 0.344 ms

Remote clock offset: -0.546 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:02:59 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.71 Mbit/s

95th percentile per-packet one-way delay: 72.448 ms

Loss rate: 1.25%

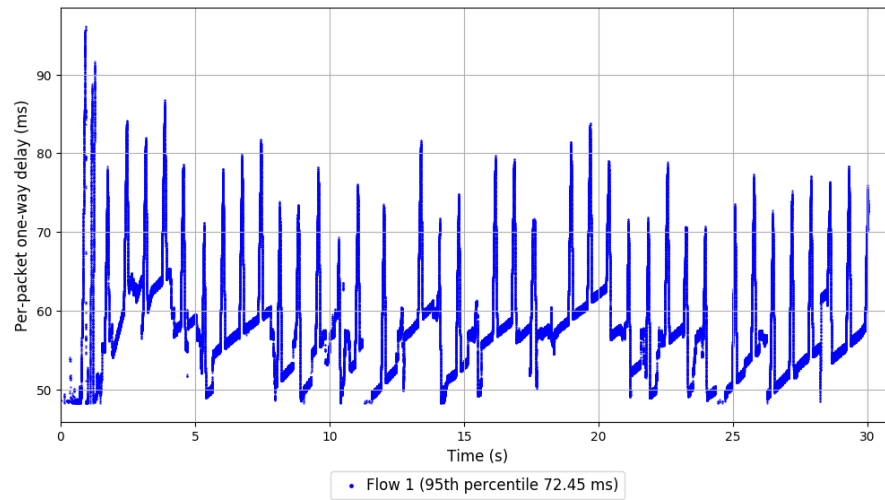
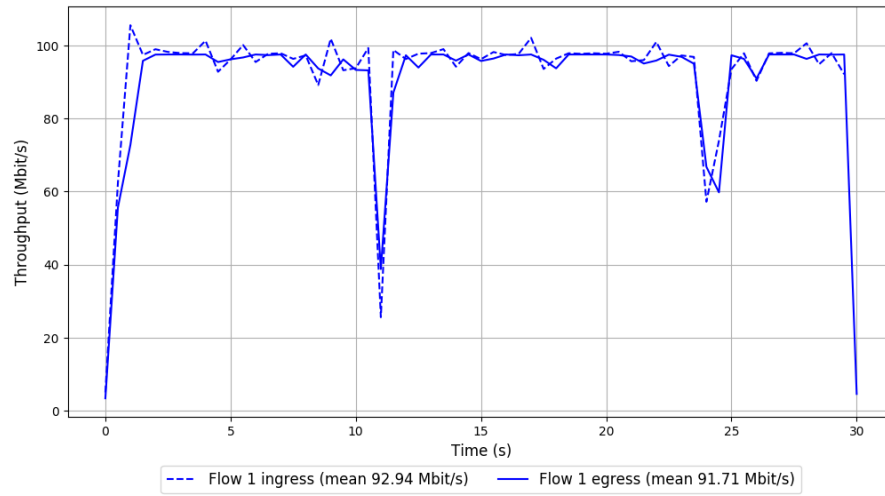
-- Flow 1:

Average throughput: 91.71 Mbit/s

95th percentile per-packet one-way delay: 72.448 ms

Loss rate: 1.25%

## Run 7: Report of TCP BBR — Data Link



Run 8: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 21:37:43 +0000

End at: Sun, 16 Jul 2017 21:38:13 +0000

Local clock offset: 0.519 ms

Remote clock offset: -0.23 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:02:59 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.40 Mbit/s

95th percentile per-packet one-way delay: 76.260 ms

Loss rate: 1.87%

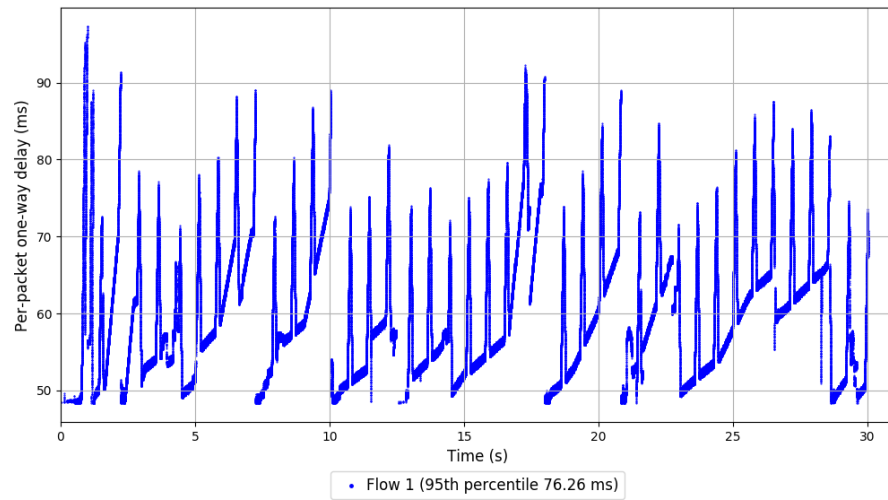
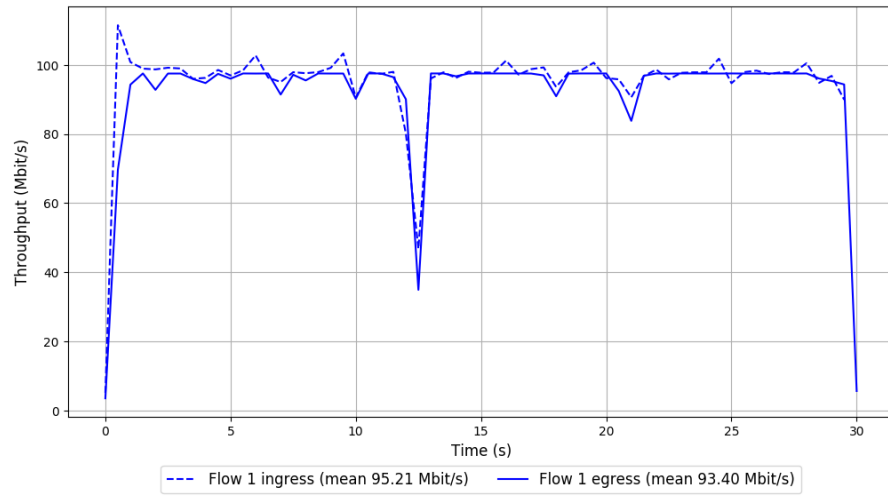
-- Flow 1:

Average throughput: 93.40 Mbit/s

95th percentile per-packet one-way delay: 76.260 ms

Loss rate: 1.87%

## Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 21:57:23 +0000

End at: Sun, 16 Jul 2017 21:57:53 +0000

Local clock offset: 0.747 ms

Remote clock offset: 1.898 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:03:12 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.85 Mbit/s

95th percentile per-packet one-way delay: 77.235 ms

Loss rate: 1.34%

-- Flow 1:

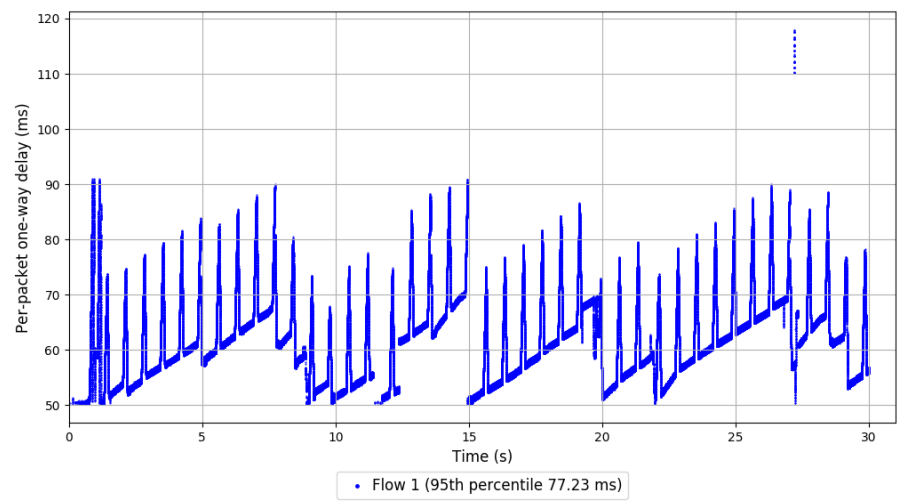
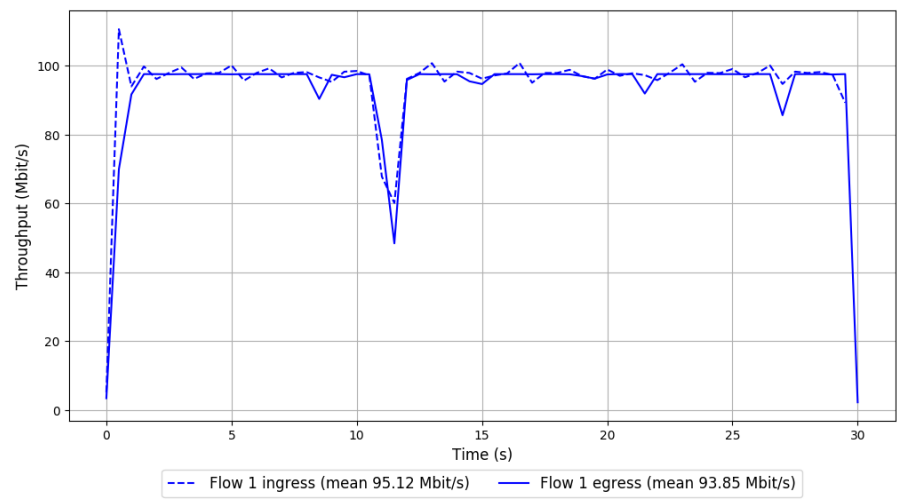
Average throughput: 93.85 Mbit/s

95th percentile per-packet one-way delay: 77.235 ms

Loss rate: 1.34%



Run 9: Report of TCP BBR — Data Link



Run 10: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 22:17:03 +0000

End at: Sun, 16 Jul 2017 22:17:33 +0000

Local clock offset: 0.797 ms

Remote clock offset: -0.377 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:03:12 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.29 Mbit/s

95th percentile per-packet one-way delay: 74.606 ms

Loss rate: 0.90%

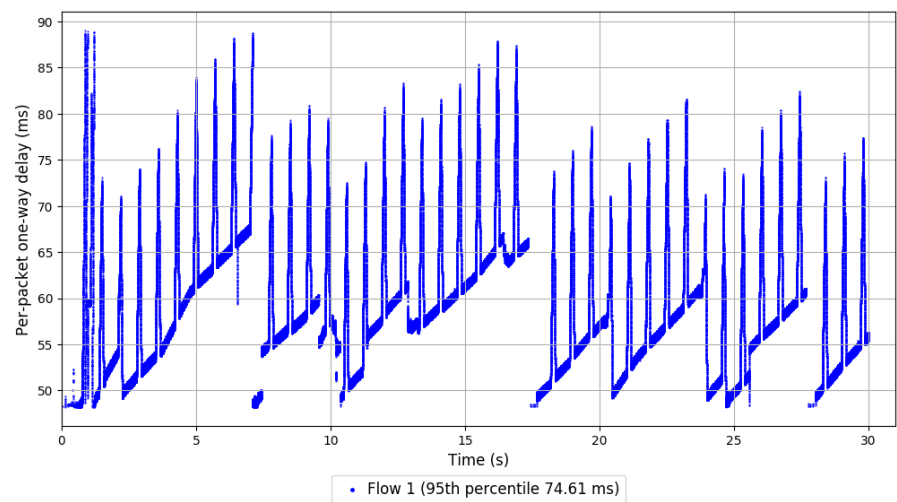
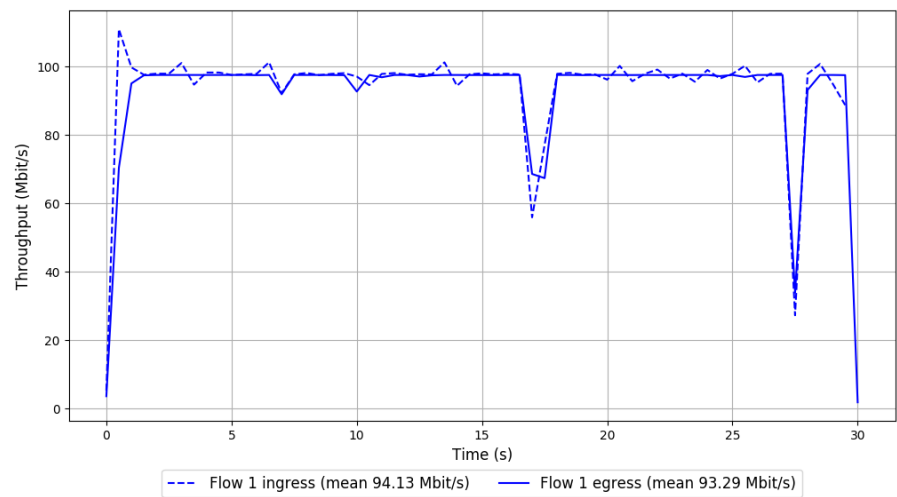
-- Flow 1:

Average throughput: 93.29 Mbit/s

95th percentile per-packet one-way delay: 74.606 ms

Loss rate: 0.90%

Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 19:11:06 +0000

End at: Sun, 16 Jul 2017 19:11:36 +0000

Local clock offset: 0.53 ms

Remote clock offset: -0.197 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:03:24 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.25 Mbit/s

95th percentile per-packet one-way delay: 65.813 ms

Loss rate: 0.21%

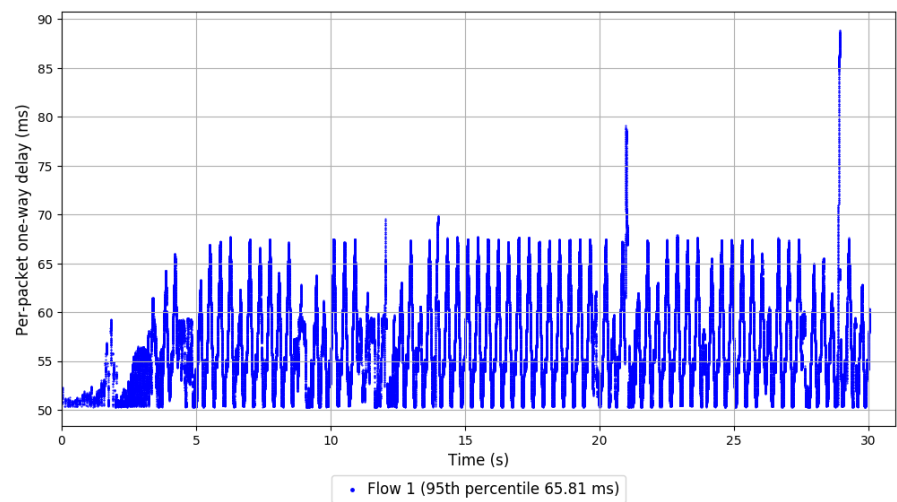
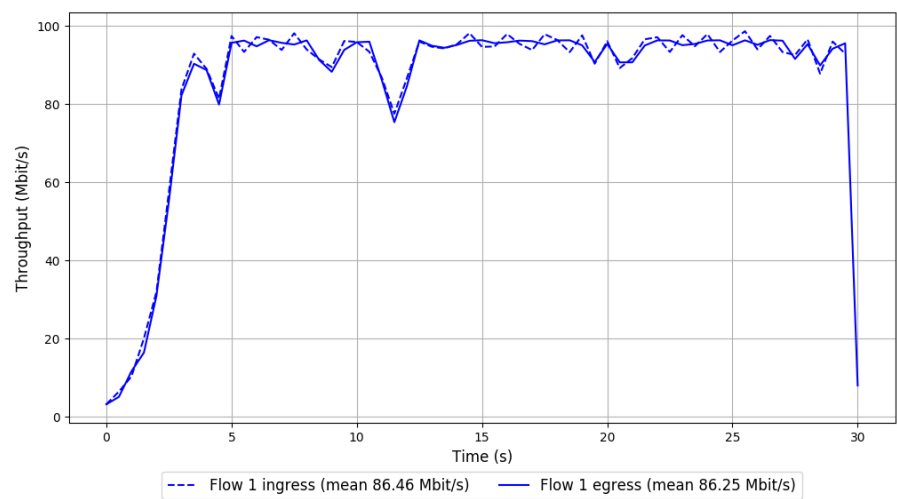
-- Flow 1:

Average throughput: 86.25 Mbit/s

95th percentile per-packet one-way delay: 65.813 ms

Loss rate: 0.21%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 19:30:48 +0000

End at: Sun, 16 Jul 2017 19:31:18 +0000

Local clock offset: 0.558 ms

Remote clock offset: -1.718 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:03:24 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.42 Mbit/s

95th percentile per-packet one-way delay: 63.001 ms

Loss rate: 0.25%

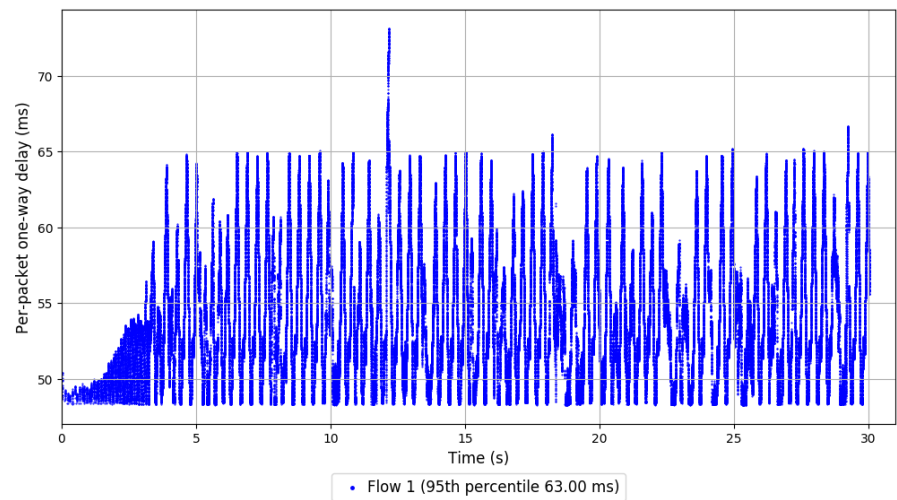
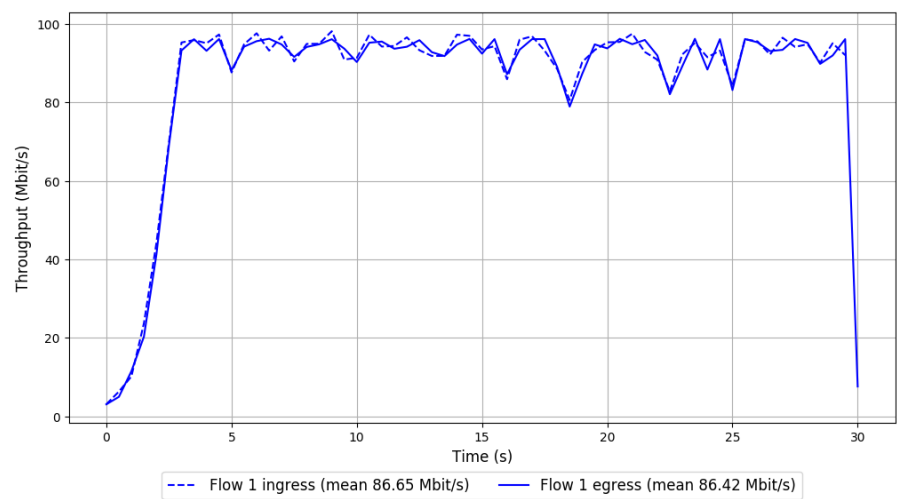
-- Flow 1:

Average throughput: 86.42 Mbit/s

95th percentile per-packet one-way delay: 63.001 ms

Loss rate: 0.25%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 19:50:27 +0000

End at: Sun, 16 Jul 2017 19:50:57 +0000

Local clock offset: 0.477 ms

Remote clock offset: 1.067 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:03:36 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.20 Mbit/s

95th percentile per-packet one-way delay: 65.986 ms

Loss rate: 0.42%

-- Flow 1:

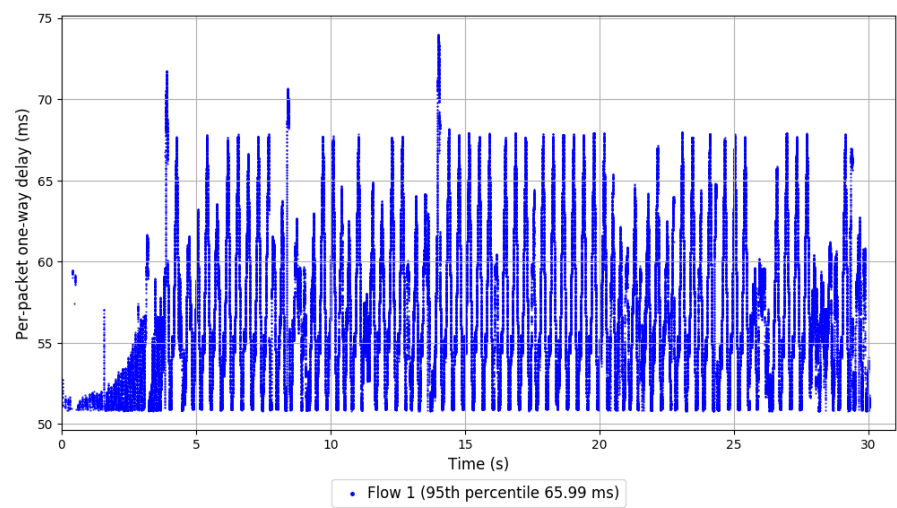
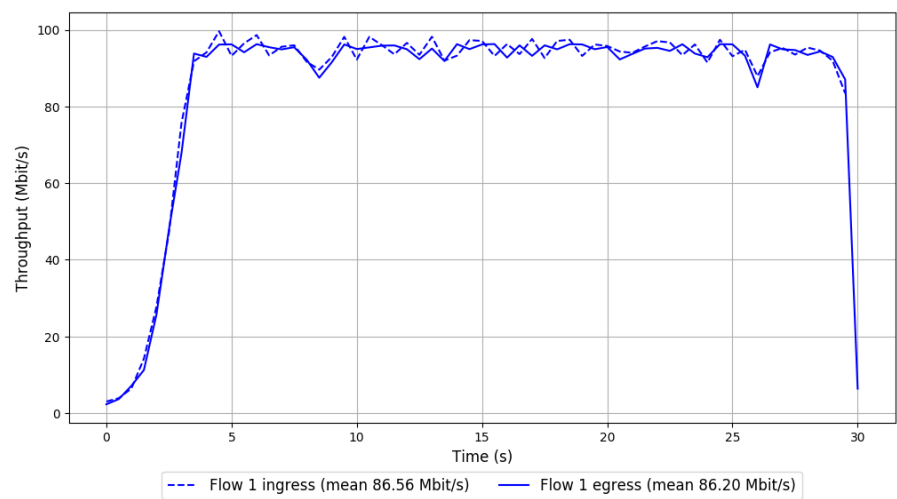
Average throughput: 86.20 Mbit/s

95th percentile per-packet one-way delay: 65.986 ms

Loss rate: 0.42%



Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 20:10:12 +0000

End at: Sun, 16 Jul 2017 20:10:42 +0000

Local clock offset: 0.405 ms

Remote clock offset: 0.501 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:03:36 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.74 Mbit/s

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

Loss rate: 0.56%

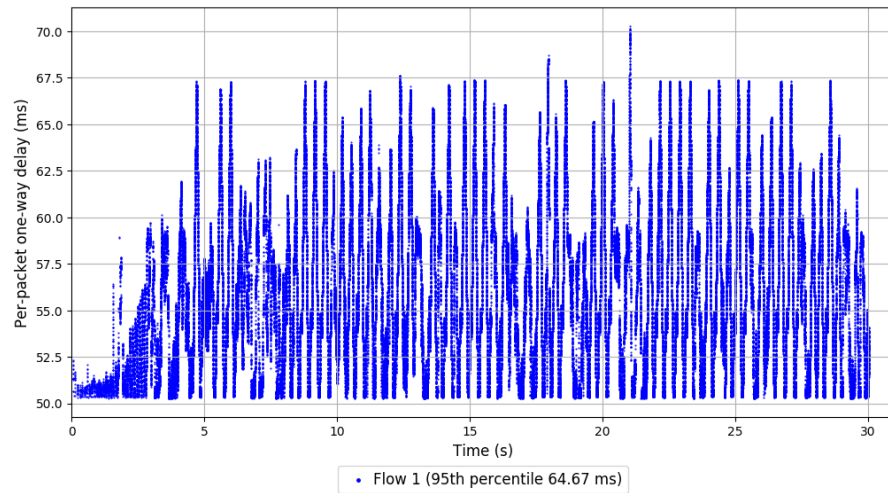
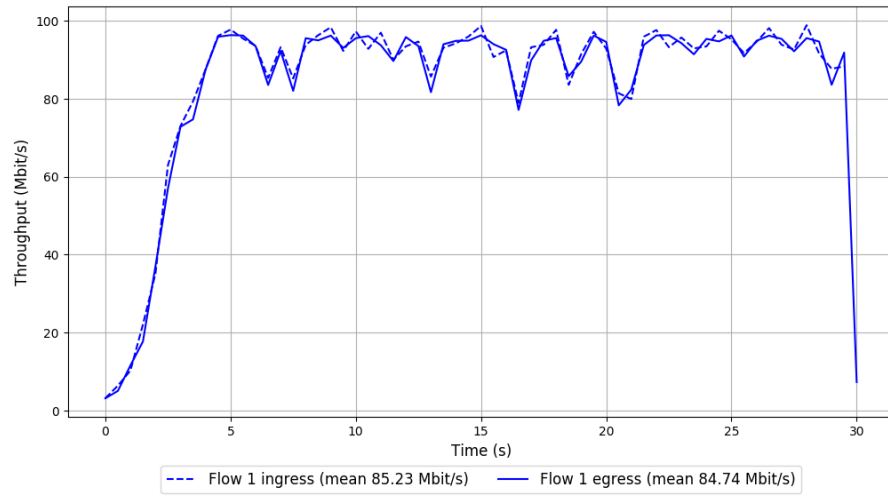
-- Flow 1:

Average throughput: 84.74 Mbit/s

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

Loss rate: 0.56%

#### Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 20:29:45 +0000

End at: Sun, 16 Jul 2017 20:30:15 +0000

Local clock offset: 0.308 ms

Remote clock offset: 0.6 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:03:47 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.30 Mbit/s

95th percentile per-packet one-way delay: 65.143 ms

Loss rate: 1.19%

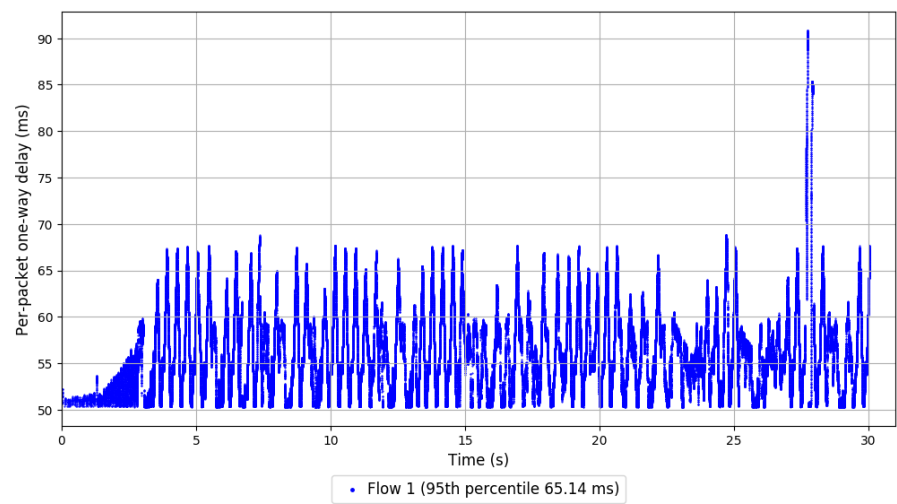
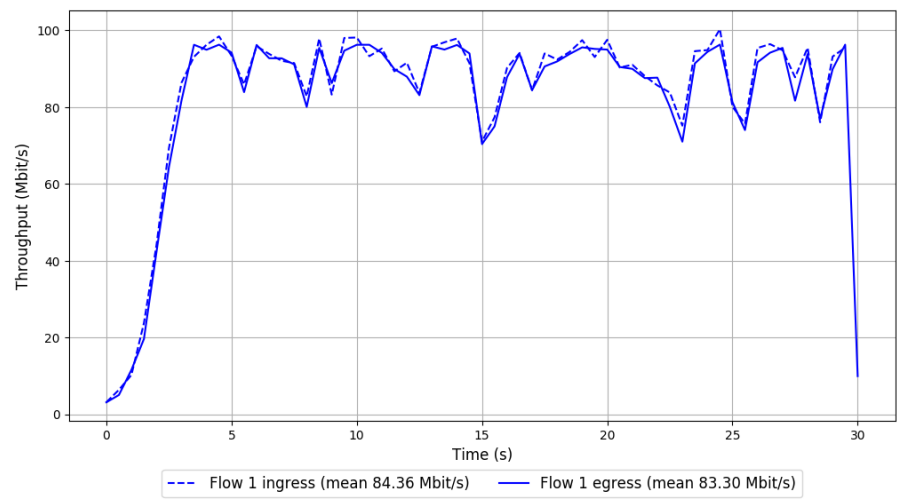
-- Flow 1:

Average throughput: 83.30 Mbit/s

95th percentile per-packet one-way delay: 65.143 ms

Loss rate: 1.19%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 20:49:24 +0000

End at: Sun, 16 Jul 2017 20:49:54 +0000

Local clock offset: 0.393 ms

Remote clock offset: 1.014 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:03:48 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.33 Mbit/s

95th percentile per-packet one-way delay: 63.862 ms

Loss rate: 0.28%

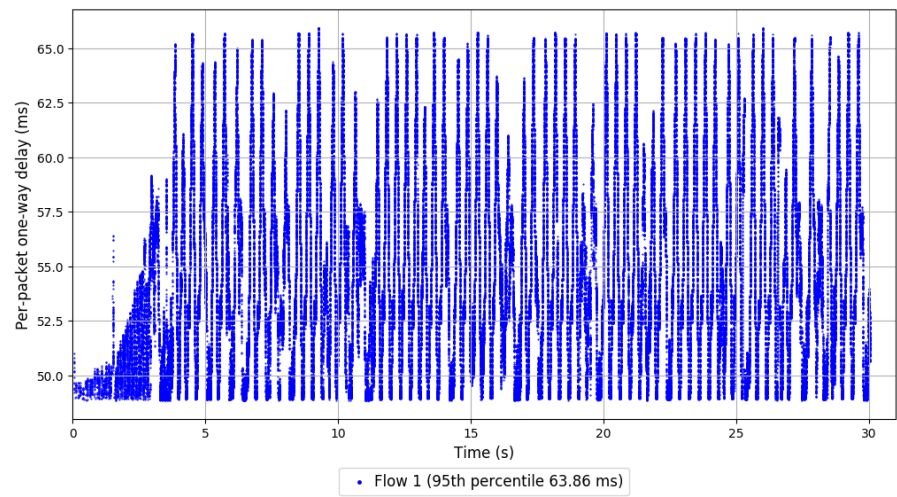
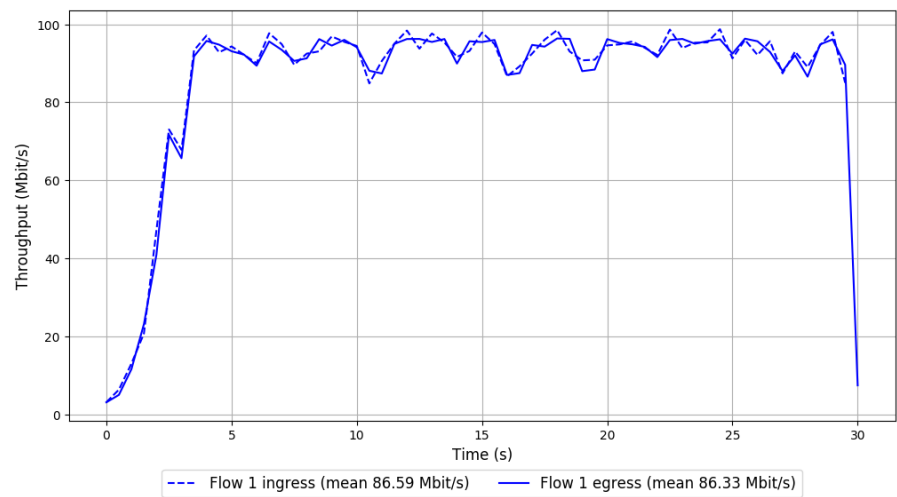
-- Flow 1:

Average throughput: 86.33 Mbit/s

95th percentile per-packet one-way delay: 63.862 ms

Loss rate: 0.28%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 21:09:03 +0000

End at: Sun, 16 Jul 2017 21:09:33 +0000

Local clock offset: 0.309 ms

Remote clock offset: 1.976 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:03:59 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.66 Mbit/s

95th percentile per-packet one-way delay: 65.321 ms

Loss rate: 0.64%

-- Flow 1:

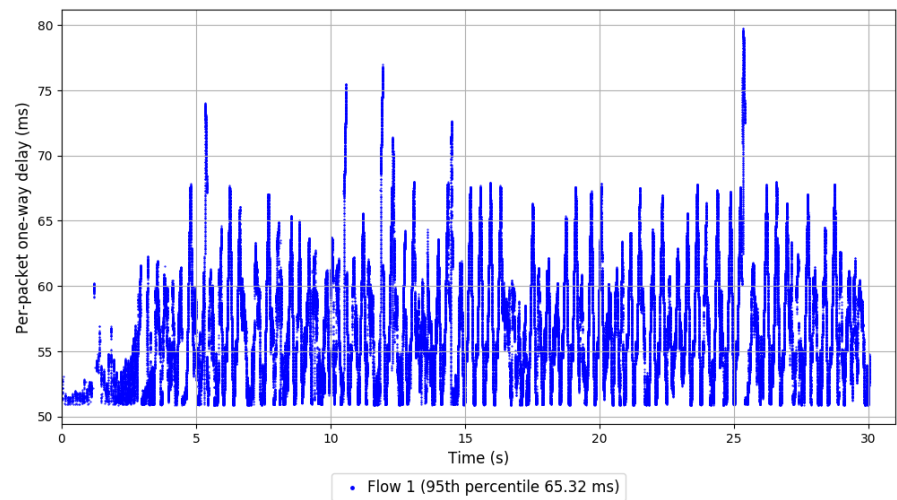
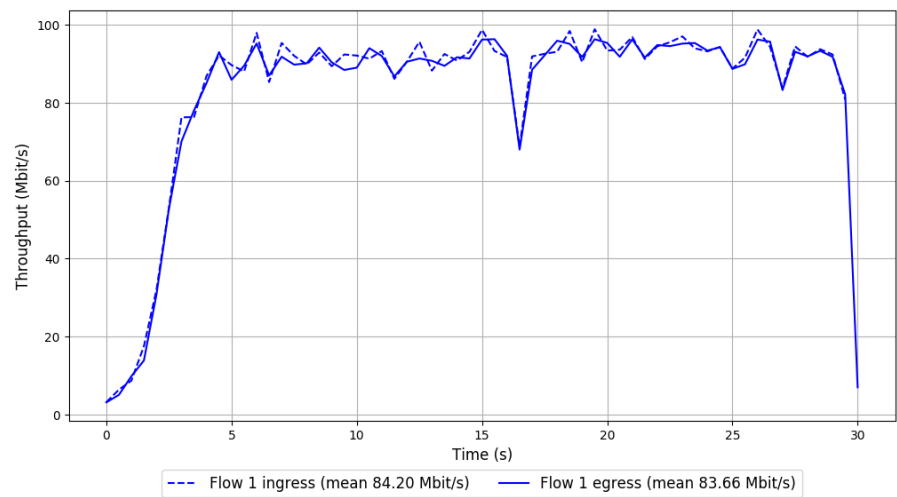
Average throughput: 83.66 Mbit/s

95th percentile per-packet one-way delay: 65.321 ms

Loss rate: 0.64%



Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 21:28:36 +0000

End at: Sun, 16 Jul 2017 21:29:06 +0000

Local clock offset: 0.393 ms

Remote clock offset: 1.614 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:04:00 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.58 Mbit/s

95th percentile per-packet one-way delay: 66.108 ms

Loss rate: 0.39%

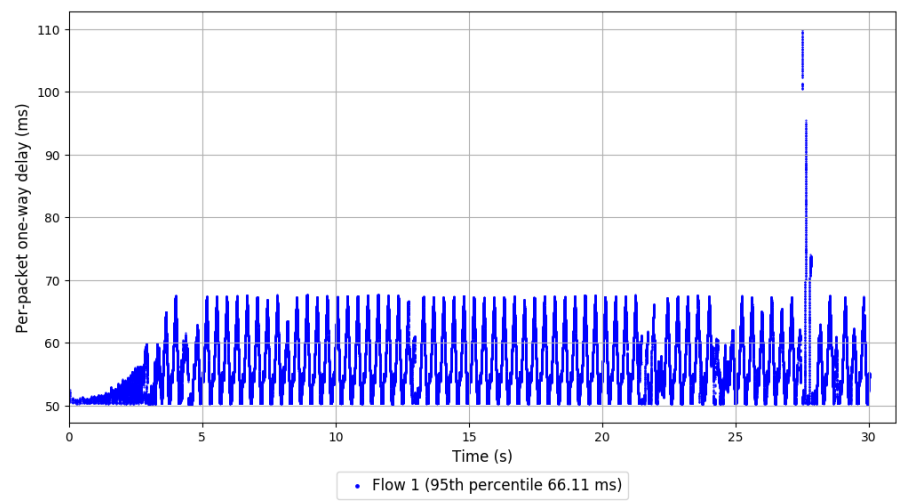
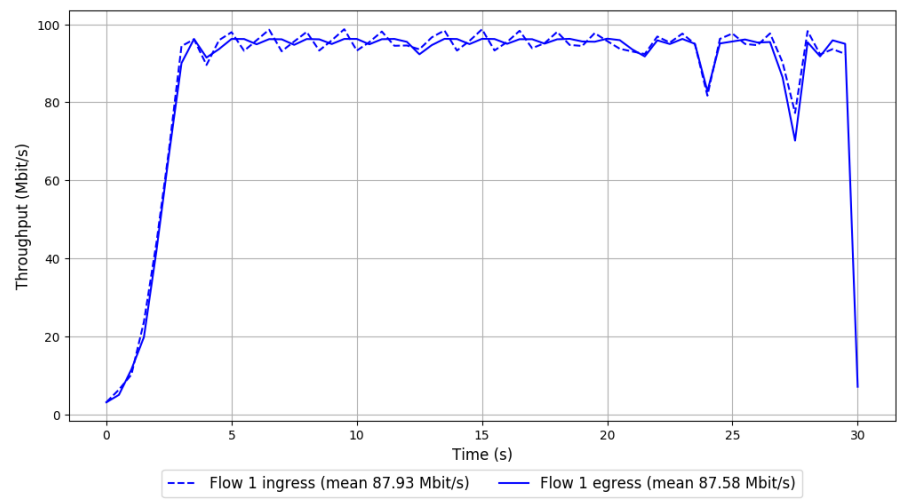
-- Flow 1:

Average throughput: 87.58 Mbit/s

95th percentile per-packet one-way delay: 66.108 ms

Loss rate: 0.39%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 21:48:13 +0000

End at: Sun, 16 Jul 2017 21:48:43 +0000

Local clock offset: 0.628 ms

Remote clock offset: -0.271 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:04:11 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.61 Mbit/s

95th percentile per-packet one-way delay: 63.622 ms

Loss rate: 0.37%

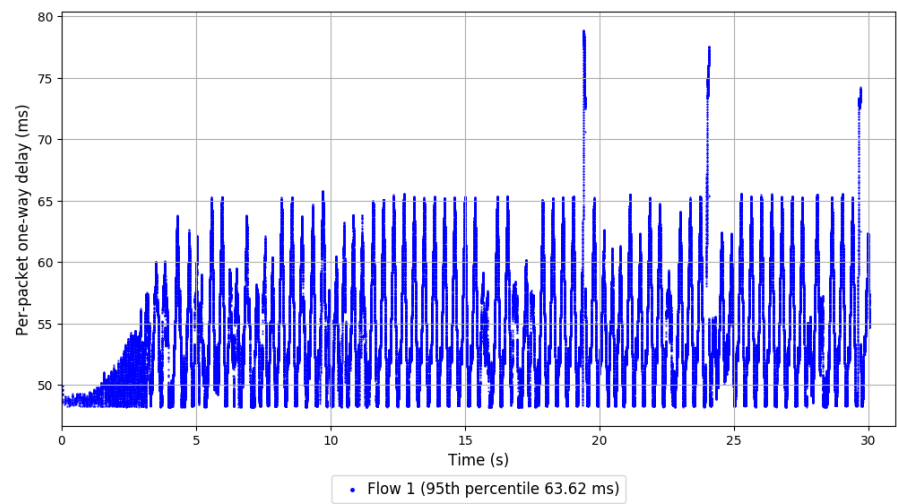
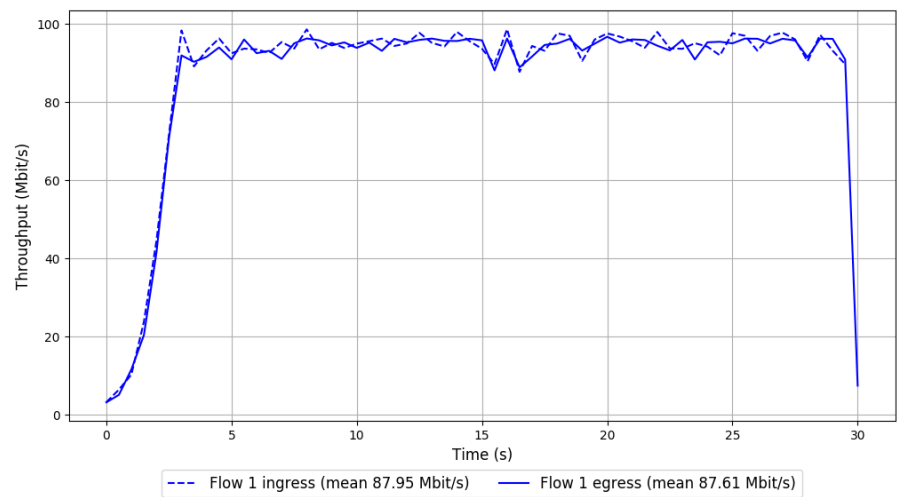
-- Flow 1:

Average throughput: 87.61 Mbit/s

95th percentile per-packet one-way delay: 63.622 ms

Loss rate: 0.37%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 22:07:55 +0000

End at: Sun, 16 Jul 2017 22:08:25 +0000

Local clock offset: 0.772 ms

Remote clock offset: -0.209 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:04:12 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.18 Mbit/s

95th percentile per-packet one-way delay: 63.620 ms

Loss rate: 0.25%

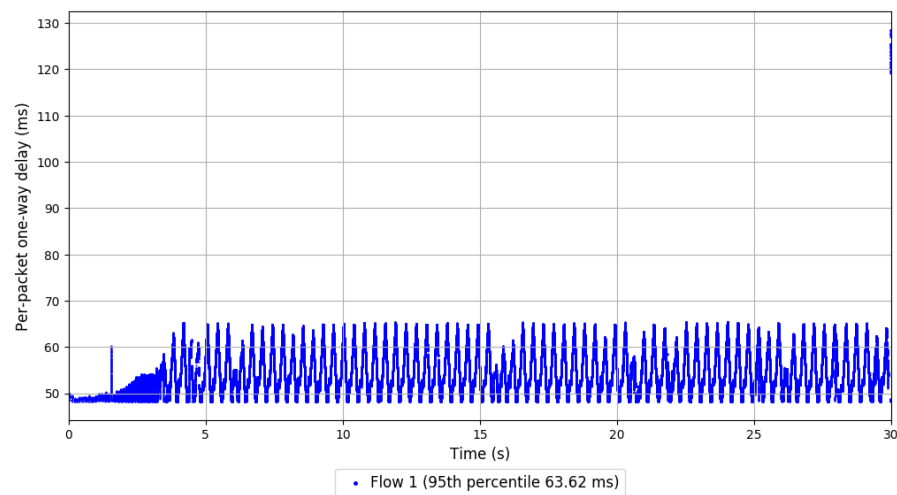
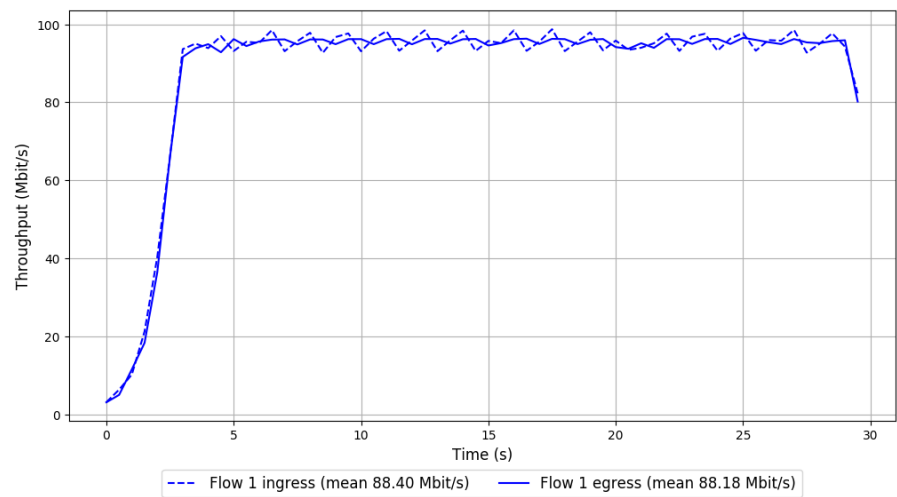
-- Flow 1:

Average throughput: 88.18 Mbit/s

95th percentile per-packet one-way delay: 63.620 ms

Loss rate: 0.25%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Sun, 16 Jul 2017 19:08:22 +0000

End at: Sun, 16 Jul 2017 19:08:52 +0000

Local clock offset: 0.516 ms

Remote clock offset: -2.148 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:04:20 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 44.94 Mbit/s

95th percentile per-packet one-way delay: 51.269 ms

Loss rate: 0.10%

-- Flow 1:

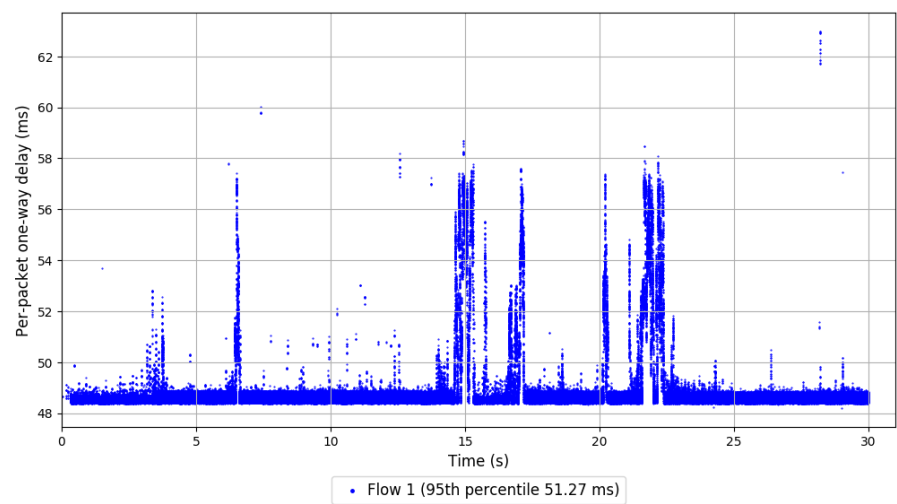
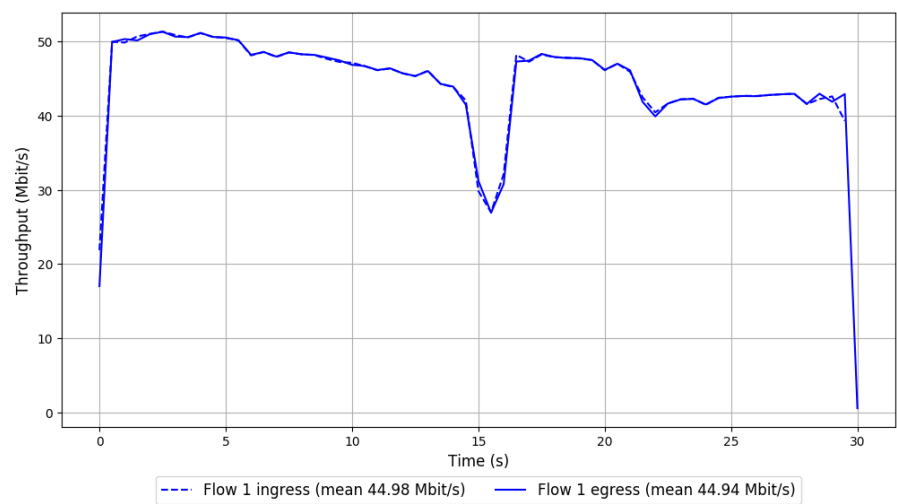
Average throughput: 44.94 Mbit/s

95th percentile per-packet one-way delay: 51.269 ms

Loss rate: 0.10%



Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Sun, 16 Jul 2017 19:28:04 +0000

End at: Sun, 16 Jul 2017 19:28:34 +0000

Local clock offset: 0.564 ms

Remote clock offset: 0.781 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:04:25 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 46.09 Mbit/s

95th percentile per-packet one-way delay: 51.357 ms

Loss rate: 0.04%

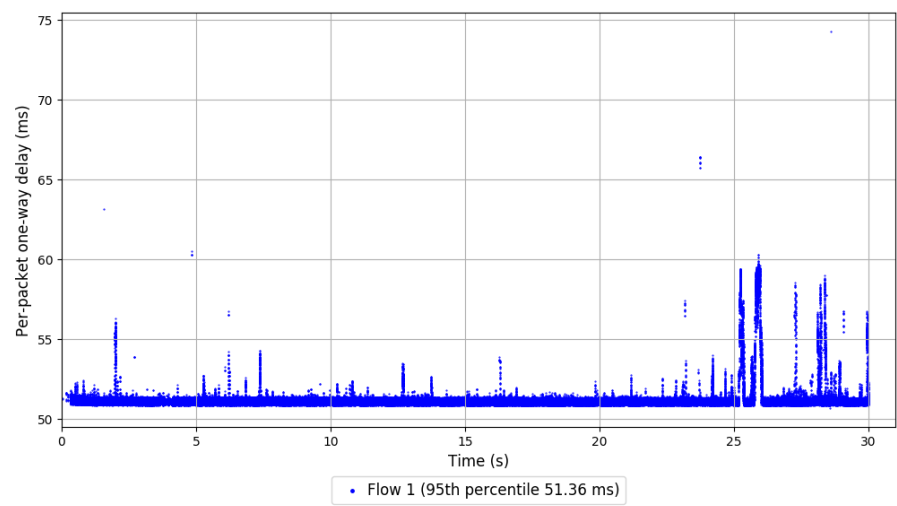
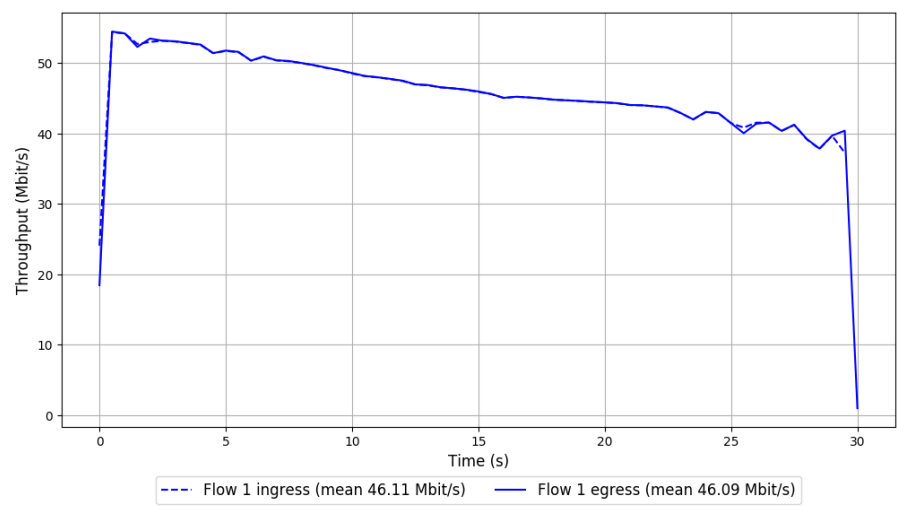
-- Flow 1:

Average throughput: 46.09 Mbit/s

95th percentile per-packet one-way delay: 51.357 ms

Loss rate: 0.04%

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Sun, 16 Jul 2017 19:47:42 +0000

End at: Sun, 16 Jul 2017 19:48:12 +0000

Local clock offset: 0.497 ms

Remote clock offset: 1.093 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:04:31 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.82 Mbit/s

95th percentile per-packet one-way delay: 51.546 ms

Loss rate: 0.05%

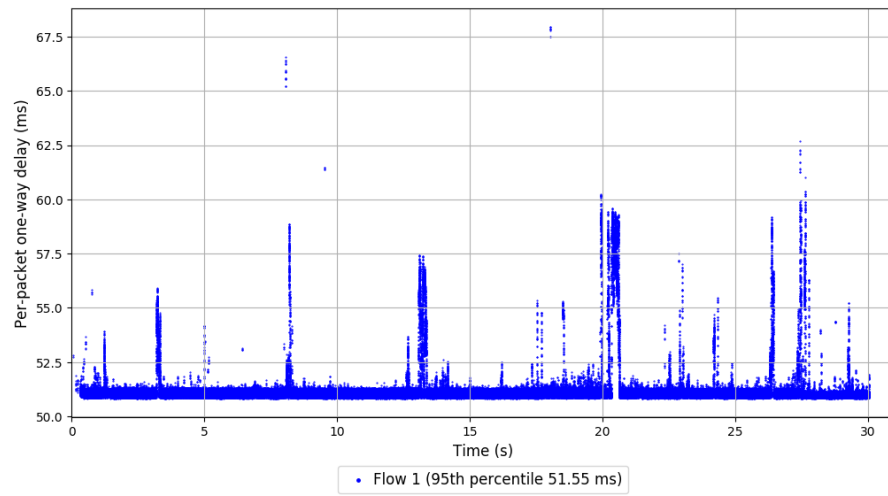
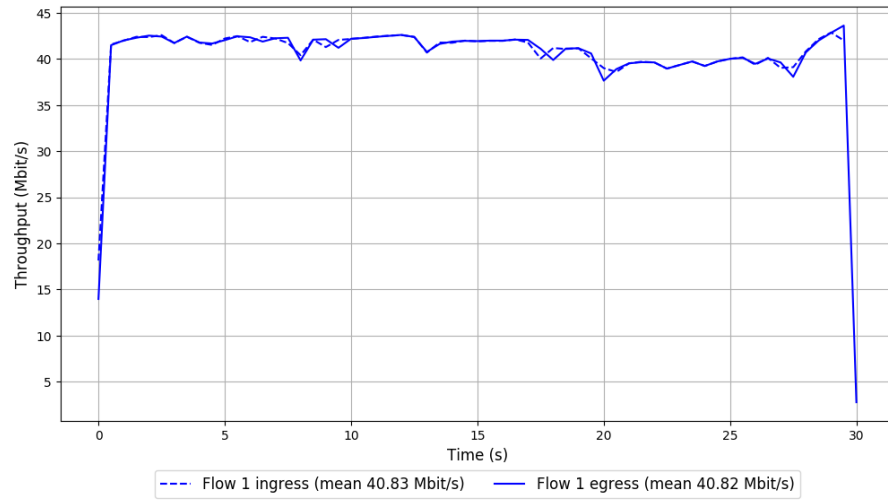
-- Flow 1:

Average throughput: 40.82 Mbit/s

95th percentile per-packet one-way delay: 51.546 ms

Loss rate: 0.05%

### Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Sun, 16 Jul 2017 20:07:27 +0000

End at: Sun, 16 Jul 2017 20:07:57 +0000

Local clock offset: 0.42 ms

Remote clock offset: -1.458 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:04:37 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 48.39 Mbit/s

95th percentile per-packet one-way delay: 51.185 ms

Loss rate: 0.16%

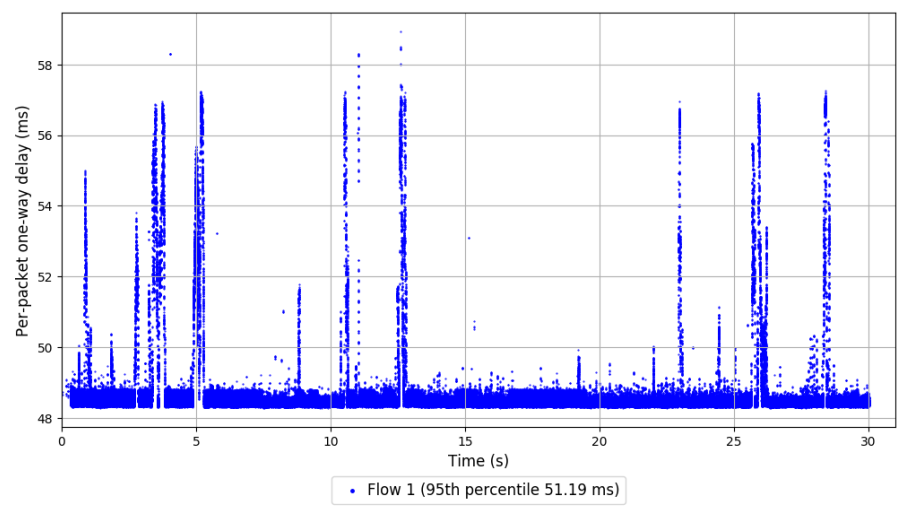
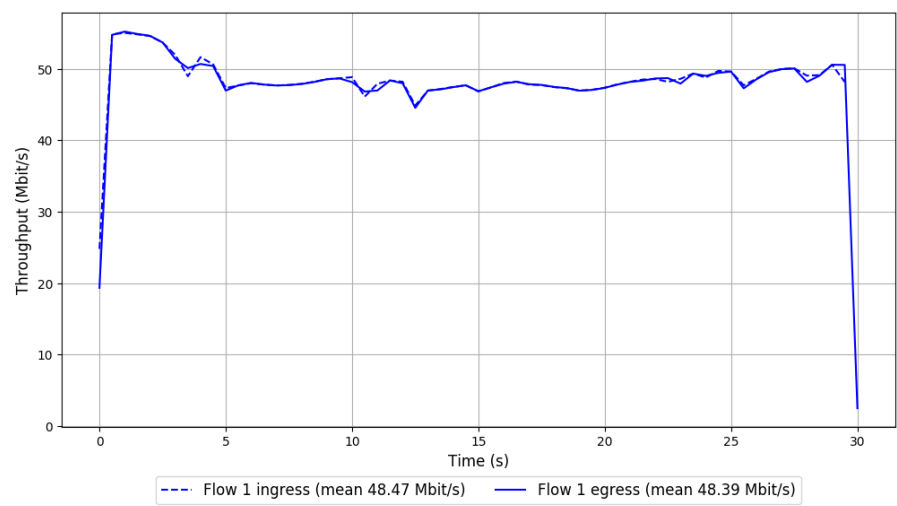
-- Flow 1:

Average throughput: 48.39 Mbit/s

95th percentile per-packet one-way delay: 51.185 ms

Loss rate: 0.16%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Sun, 16 Jul 2017 20:27:01 +0000

End at: Sun, 16 Jul 2017 20:27:31 +0000

Local clock offset: 0.285 ms

Remote clock offset: 0.607 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:04:42 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 42.30 Mbit/s

95th percentile per-packet one-way delay: 54.419 ms

Loss rate: 0.12%

-- Flow 1:

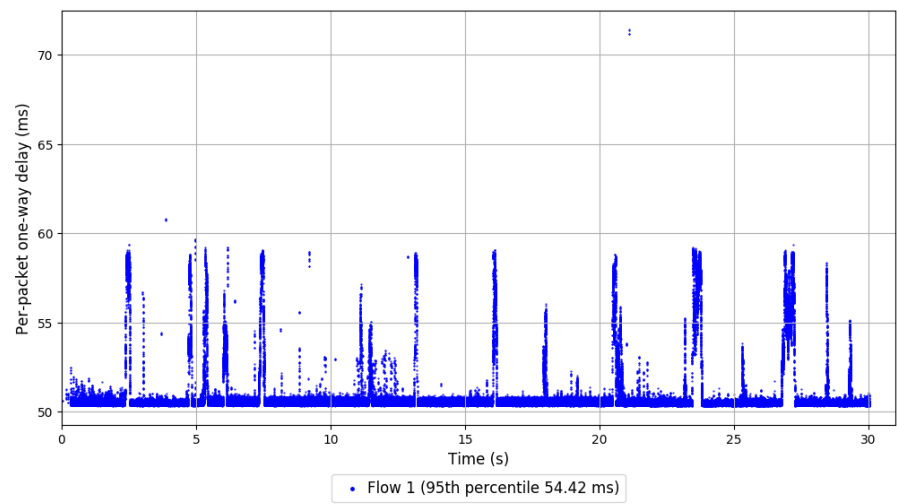
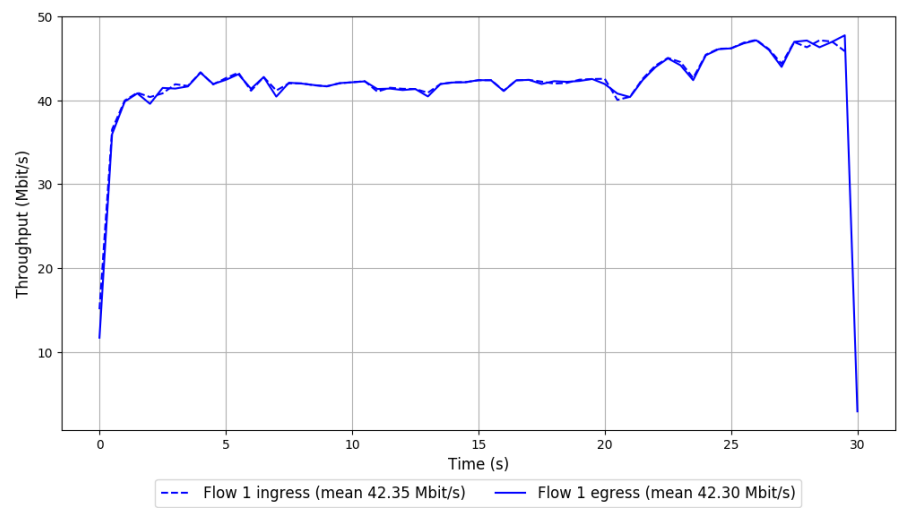
Average throughput: 42.30 Mbit/s

95th percentile per-packet one-way delay: 54.419 ms

Loss rate: 0.12%



Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Sun, 16 Jul 2017 20:46:39 +0000

End at: Sun, 16 Jul 2017 20:47:09 +0000

Local clock offset: 0.317 ms

Remote clock offset: 1.45 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:04:53 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.85 Mbit/s

95th percentile per-packet one-way delay: 54.770 ms

Loss rate: 0.16%

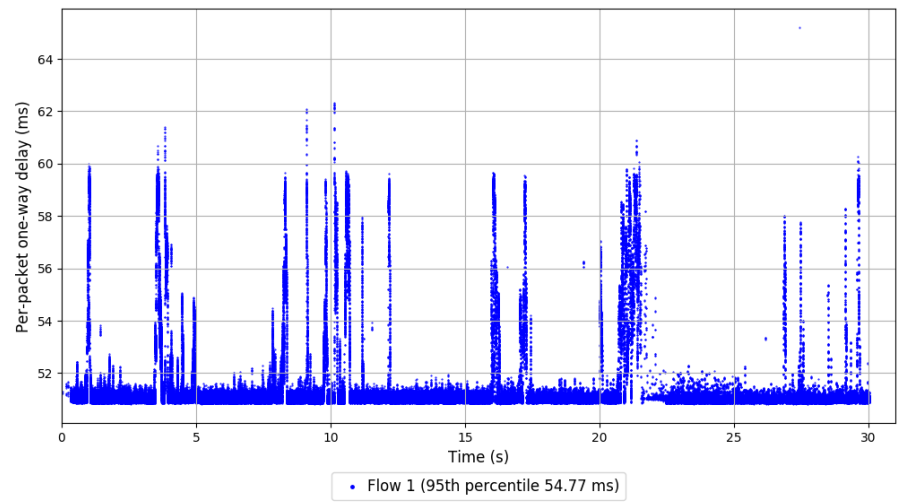
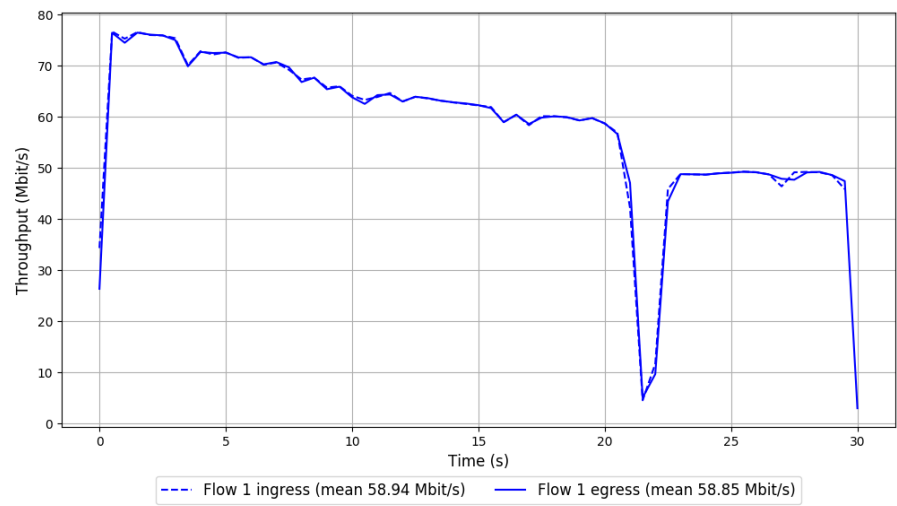
-- Flow 1:

Average throughput: 58.85 Mbit/s

95th percentile per-packet one-way delay: 54.770 ms

Loss rate: 0.16%

Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Sun, 16 Jul 2017 21:06:18 +0000

End at: Sun, 16 Jul 2017 21:06:48 +0000

Local clock offset: 0.302 ms

Remote clock offset: -0.594 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:04:54 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 46.21 Mbit/s

95th percentile per-packet one-way delay: 50.558 ms

Loss rate: 0.28%

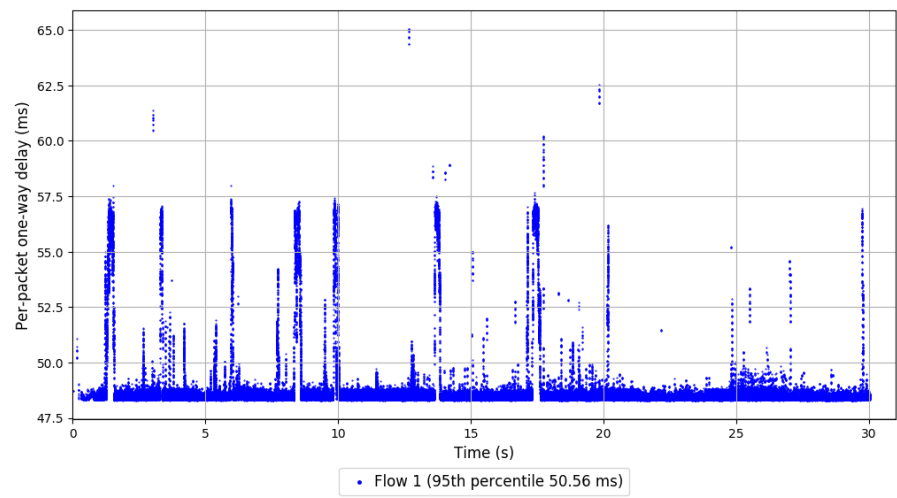
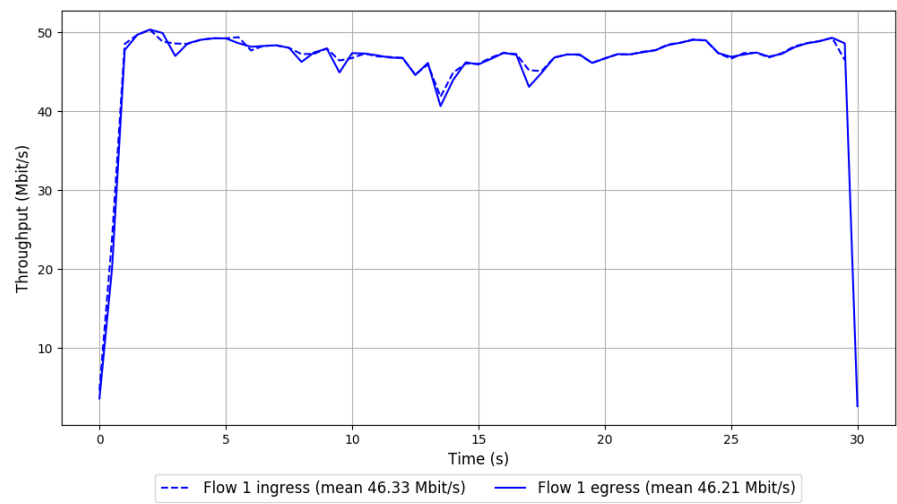
-- Flow 1:

Average throughput: 46.21 Mbit/s

95th percentile per-packet one-way delay: 50.558 ms

Loss rate: 0.28%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Sun, 16 Jul 2017 21:25:52 +0000

End at: Sun, 16 Jul 2017 21:26:22 +0000

Local clock offset: 0.505 ms

Remote clock offset: -0.349 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:01 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 41.77 Mbit/s

95th percentile per-packet one-way delay: 48.698 ms

Loss rate: 0.03%

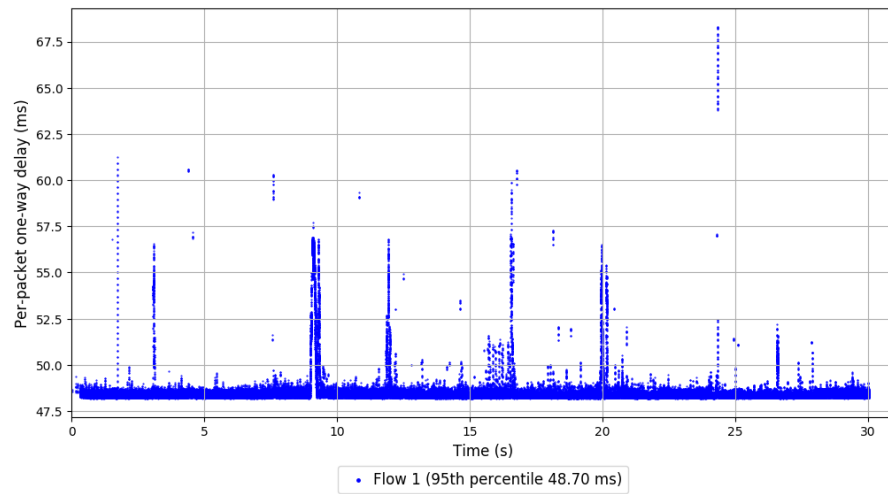
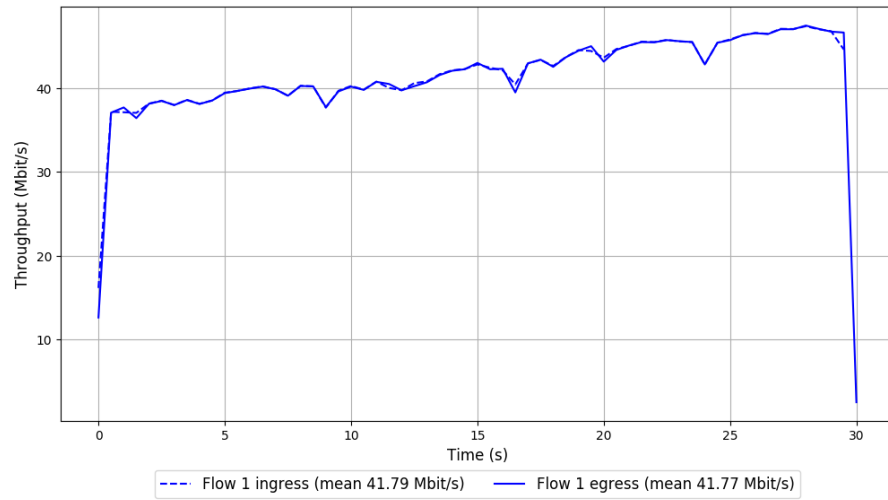
-- Flow 1:

Average throughput: 41.77 Mbit/s

95th percentile per-packet one-way delay: 48.698 ms

Loss rate: 0.03%

## Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Sun, 16 Jul 2017 21:45:28 +0000

End at: Sun, 16 Jul 2017 21:45:58 +0000

Local clock offset: 0.617 ms

Remote clock offset: -0.23 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:07 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 48.26 Mbit/s

95th percentile per-packet one-way delay: 52.354 ms

Loss rate: 0.21%

-- Flow 1:

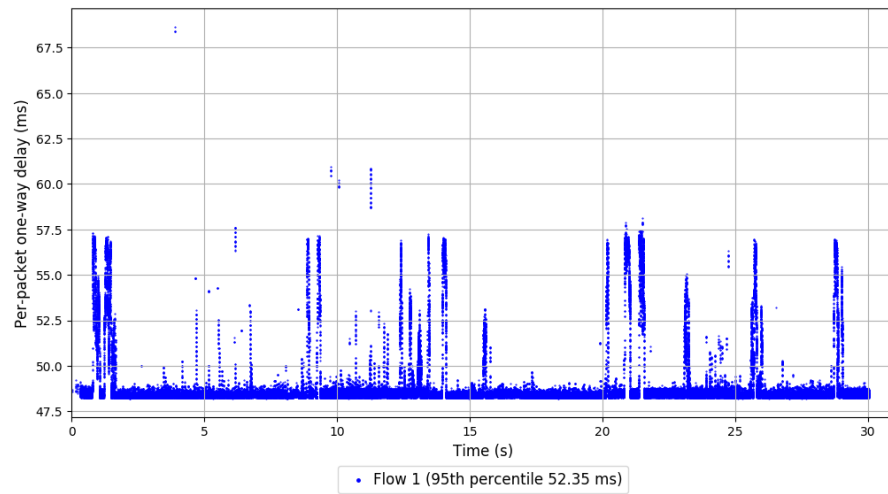
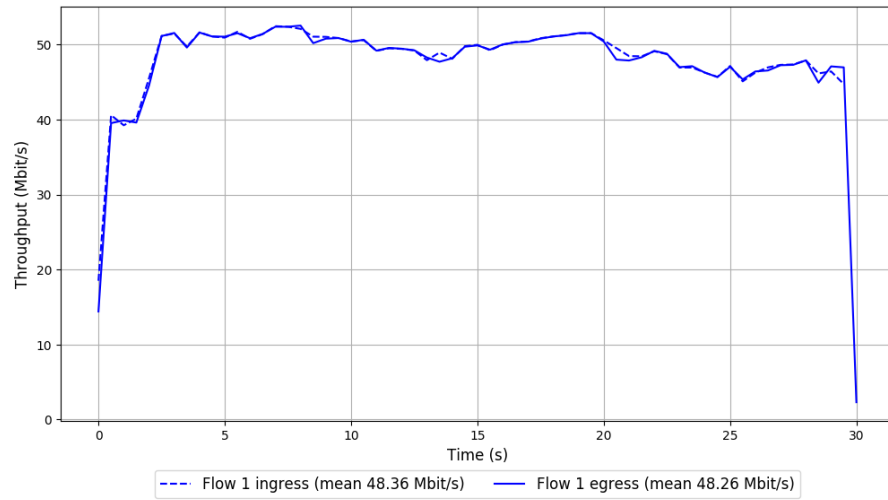
Average throughput: 48.26 Mbit/s

95th percentile per-packet one-way delay: 52.354 ms

Loss rate: 0.21%



### Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Sun, 16 Jul 2017 22:05:10 +0000

End at: Sun, 16 Jul 2017 22:05:40 +0000

Local clock offset: 0.682 ms

Remote clock offset: -0.052 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:16 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 46.87 Mbit/s

95th percentile per-packet one-way delay: 48.814 ms

Loss rate: 0.11%

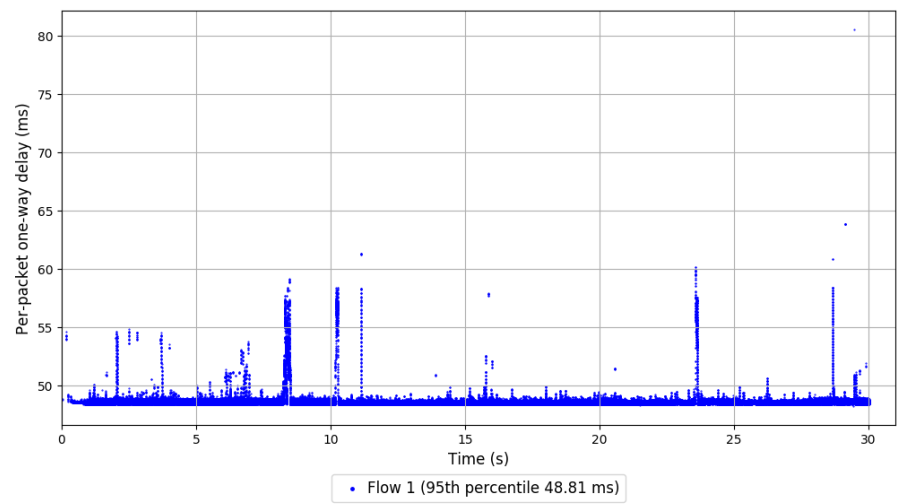
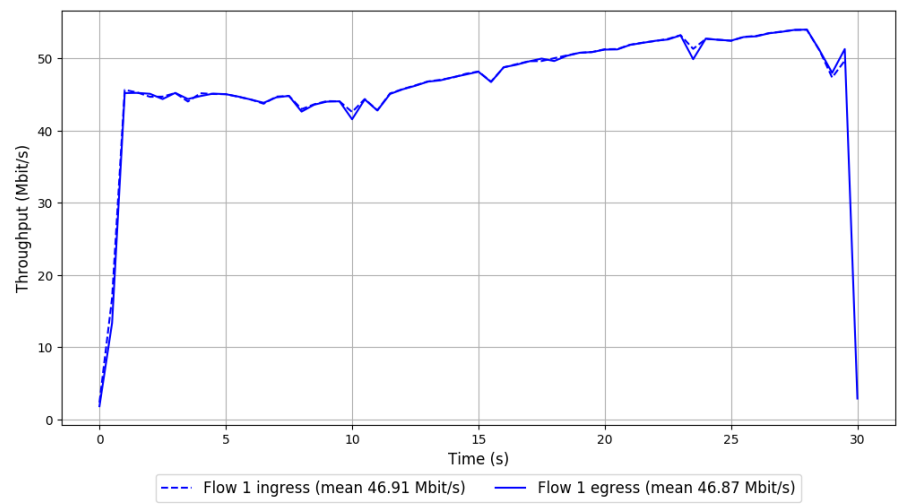
-- Flow 1:

Average throughput: 46.87 Mbit/s

95th percentile per-packet one-way delay: 48.814 ms

Loss rate: 0.11%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 19:22:51 +0000

End at: Sun, 16 Jul 2017 19:23:21 +0000

Local clock offset: 0.53 ms

Remote clock offset: -1.882 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:17 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 69.89 Mbit/s

95th percentile per-packet one-way delay: 60.281 ms

Loss rate: 0.22%

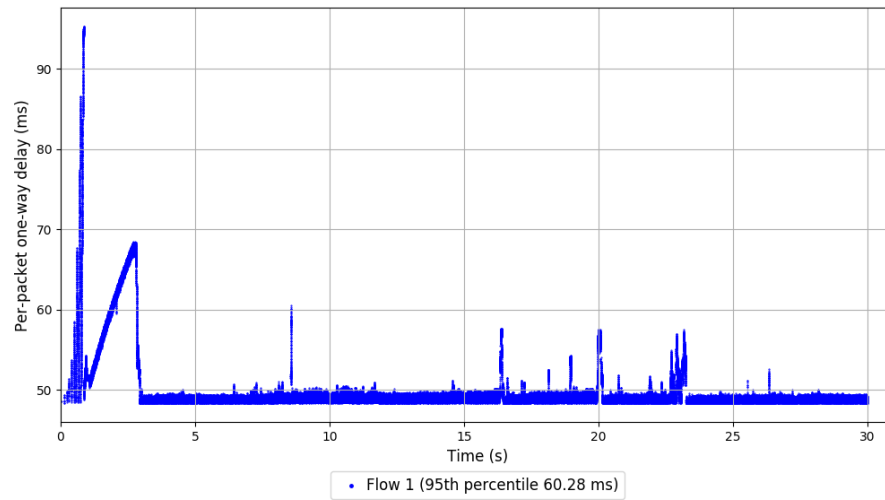
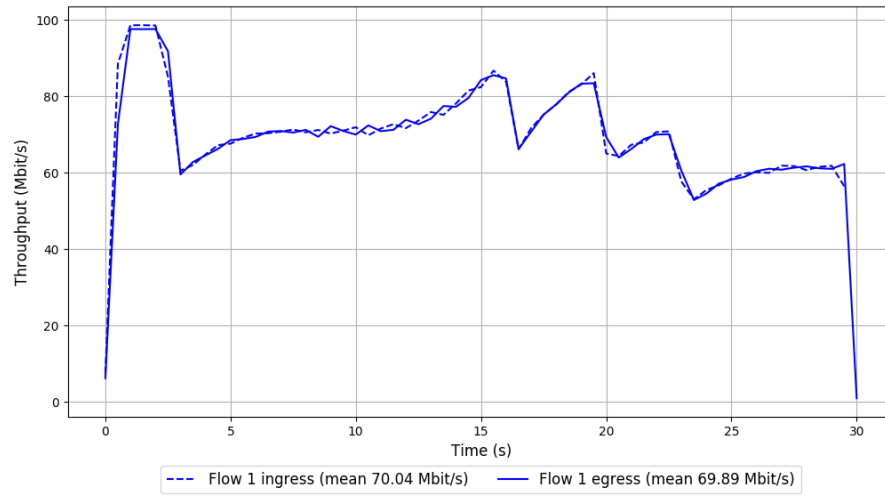
-- Flow 1:

Average throughput: 69.89 Mbit/s

95th percentile per-packet one-way delay: 60.281 ms

Loss rate: 0.22%

### Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 19:42:33 +0000

End at: Sun, 16 Jul 2017 19:43:03 +0000

Local clock offset: 0.519 ms

Remote clock offset: -1.525 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:24 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.58 Mbit/s

95th percentile per-packet one-way delay: 69.038 ms

Loss rate: 0.41%

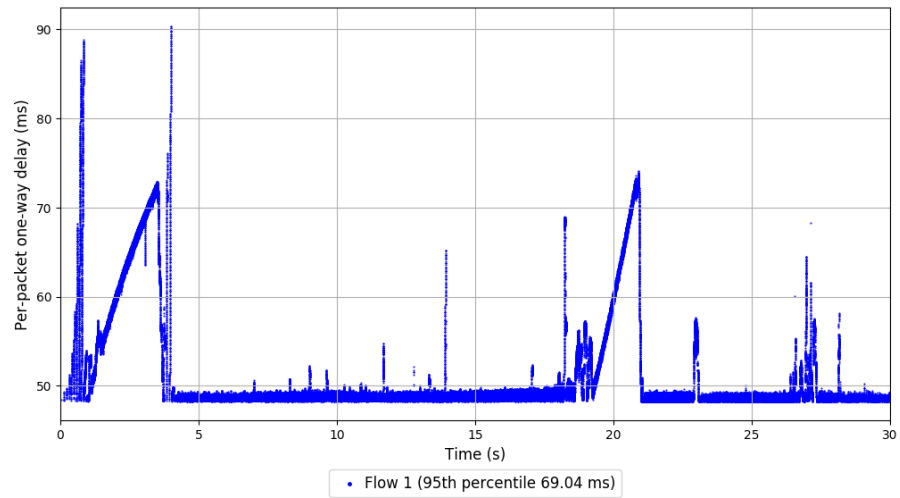
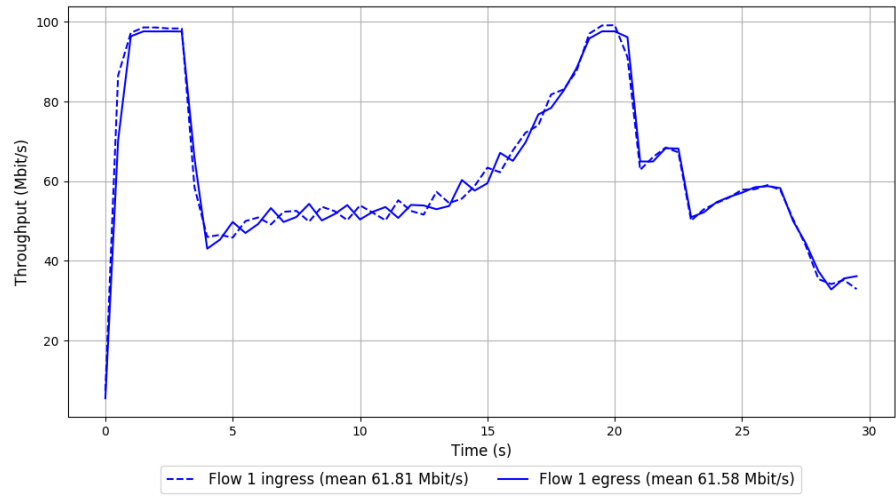
-- Flow 1:

Average throughput: 61.58 Mbit/s

95th percentile per-packet one-way delay: 69.038 ms

Loss rate: 0.41%

## Run 2: Report of TCP Cubic — Data Link



Run 3: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 20:02:16 +0000

End at: Sun, 16 Jul 2017 20:02:46 +0000

Local clock offset: 0.448 ms

Remote clock offset: -1.43 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:24 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 39.47 Mbit/s

95th percentile per-packet one-way delay: 54.841 ms

Loss rate: 0.47%

-- Flow 1:

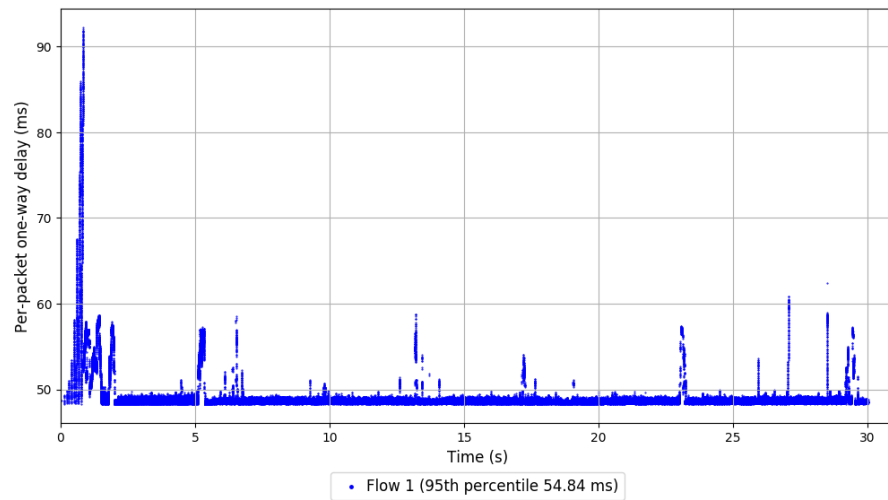
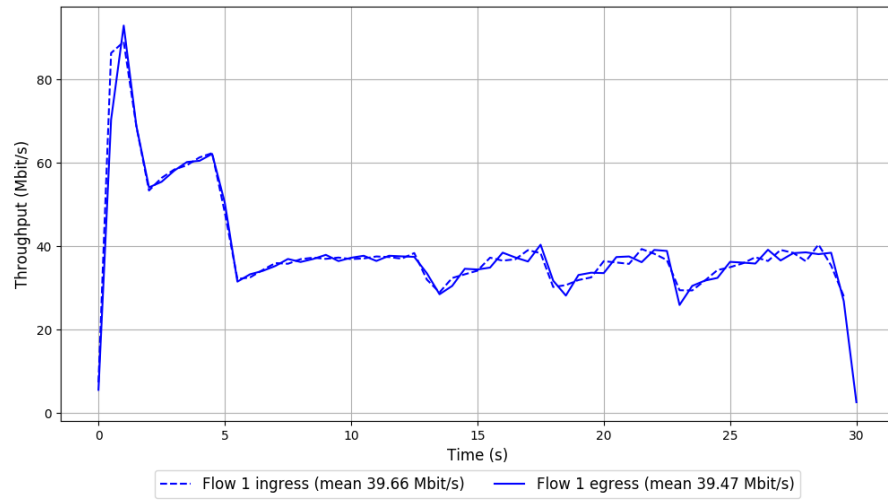
Average throughput: 39.47 Mbit/s

95th percentile per-packet one-way delay: 54.841 ms

Loss rate: 0.47%



### Run 3: Report of TCP Cubic — Data Link



Run 4: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 20:21:56 +0000

End at: Sun, 16 Jul 2017 20:22:26 +0000

Local clock offset: 0.319 ms

Remote clock offset: 0.622 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:25 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.59 Mbit/s

95th percentile per-packet one-way delay: 57.127 ms

Loss rate: 0.78%

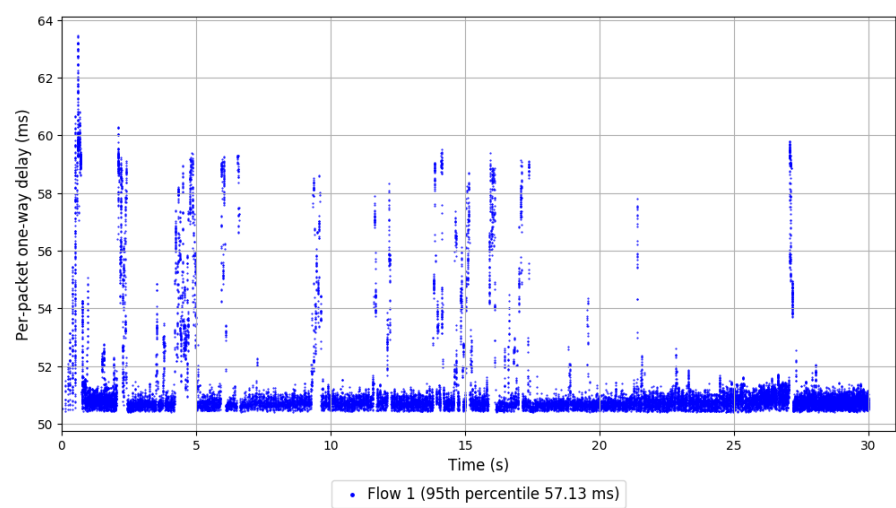
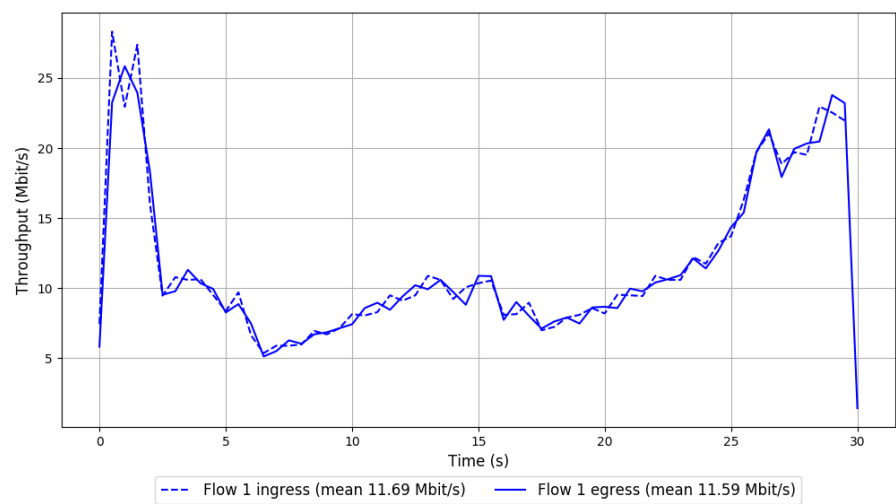
-- Flow 1:

Average throughput: 11.59 Mbit/s

95th percentile per-packet one-way delay: 57.127 ms

Loss rate: 0.78%

Run 4: Report of TCP Cubic — Data Link



Run 5: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 20:41:28 +0000

End at: Sun, 16 Jul 2017 20:41:58 +0000

Local clock offset: 0.338 ms

Remote clock offset: 1.205 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:33 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 51.64 Mbit/s

95th percentile per-packet one-way delay: 55.073 ms

Loss rate: 0.08%

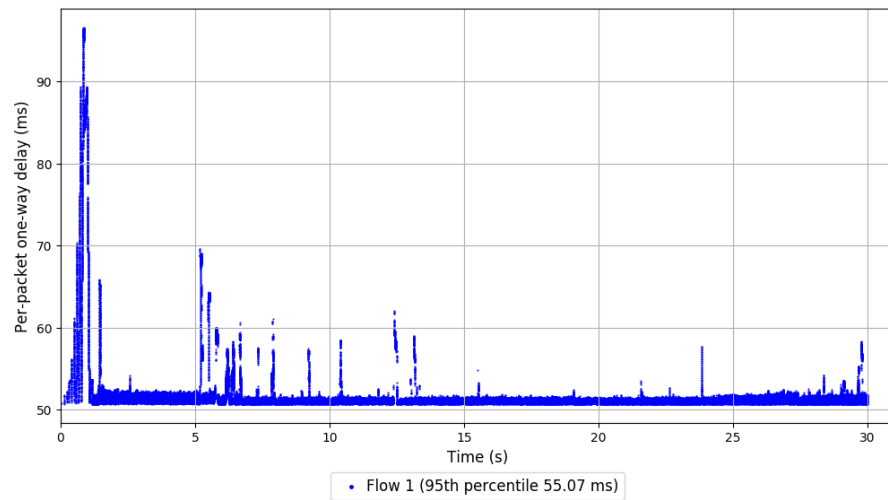
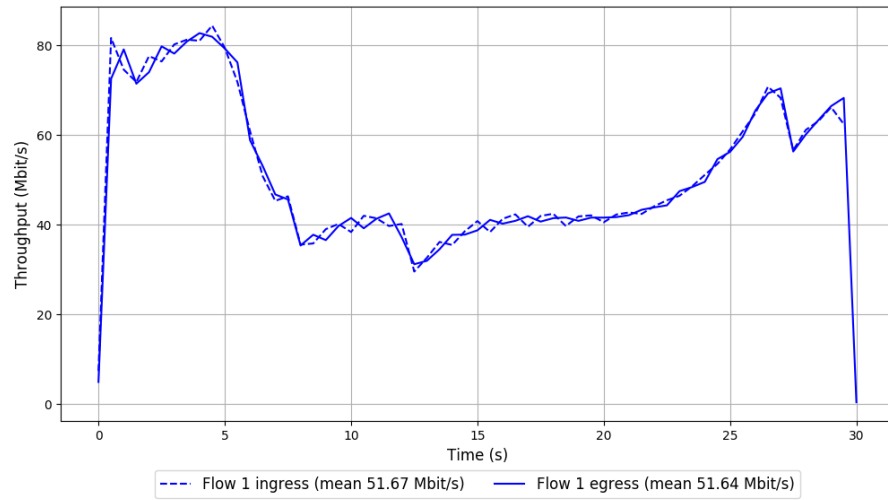
-- Flow 1:

Average throughput: 51.64 Mbit/s

95th percentile per-packet one-way delay: 55.073 ms

Loss rate: 0.08%

### Run 5: Report of TCP Cubic — Data Link



Run 6: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 21:01:09 +0000

End at: Sun, 16 Jul 2017 21:01:39 +0000

Local clock offset: 0.309 ms

Remote clock offset: 1.193 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:33 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 20.47 Mbit/s

95th percentile per-packet one-way delay: 57.324 ms

Loss rate: 0.76%

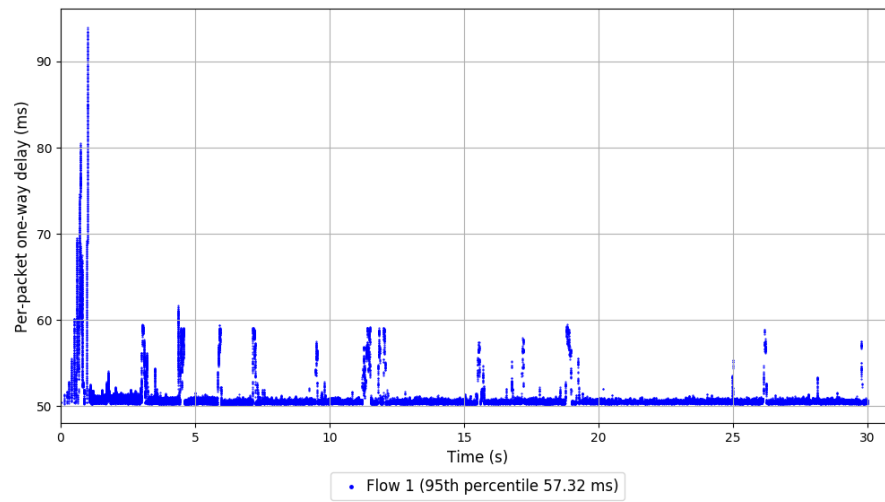
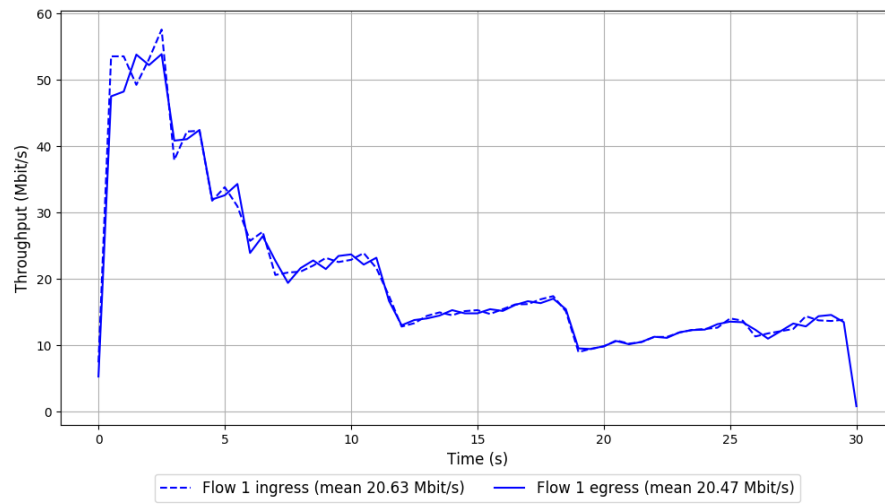
-- Flow 1:

Average throughput: 20.47 Mbit/s

95th percentile per-packet one-way delay: 57.324 ms

Loss rate: 0.76%

## Run 6: Report of TCP Cubic — Data Link



Run 7: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 21:20:45 +0000

End at: Sun, 16 Jul 2017 21:21:15 +0000

Local clock offset: 0.389 ms

Remote clock offset: -0.424 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:33 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 21.22 Mbit/s

95th percentile per-packet one-way delay: 53.802 ms

Loss rate: 0.29%

-- Flow 1:

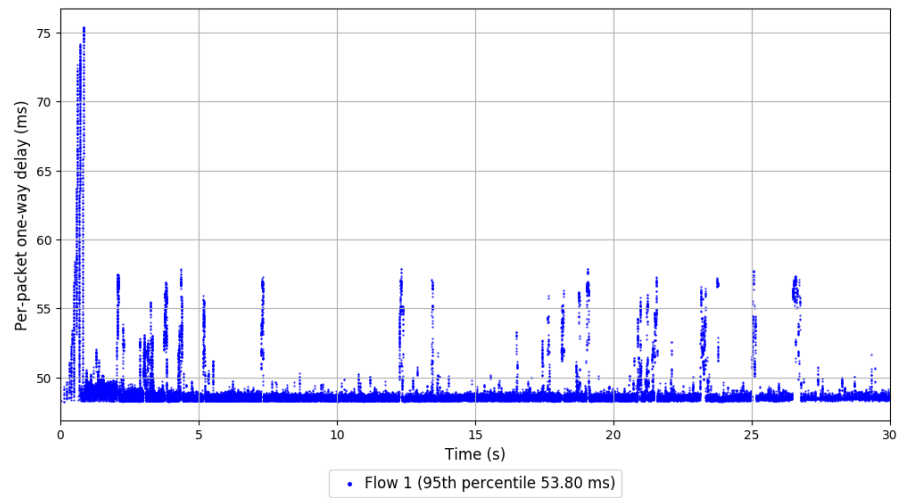
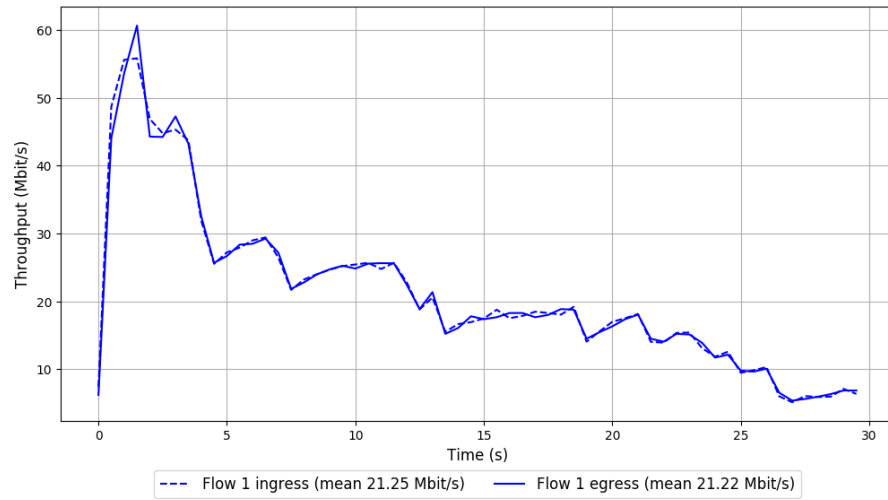
Average throughput: 21.22 Mbit/s

95th percentile per-packet one-way delay: 53.802 ms

Loss rate: 0.29%



### Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 21:40:21 +0000

End at: Sun, 16 Jul 2017 21:40:51 +0000

Local clock offset: 0.476 ms

Remote clock offset: 2.121 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:36 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 30.10 Mbit/s

95th percentile per-packet one-way delay: 58.206 ms

Loss rate: 0.27%

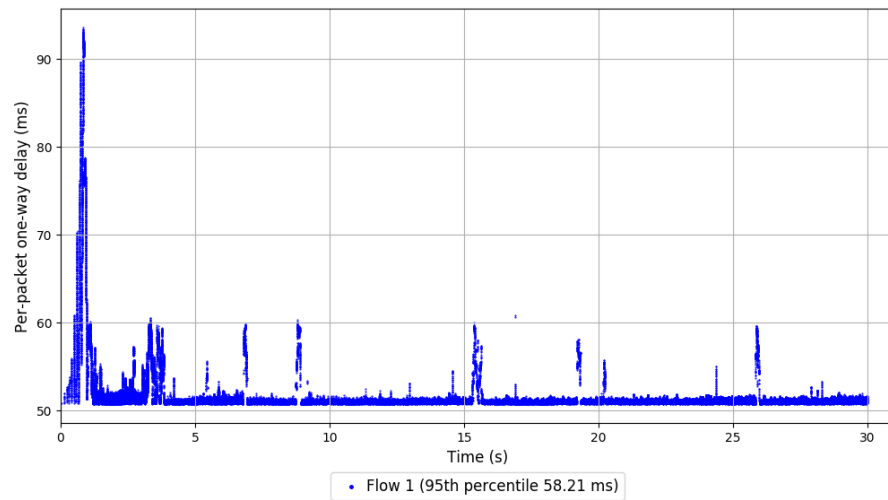
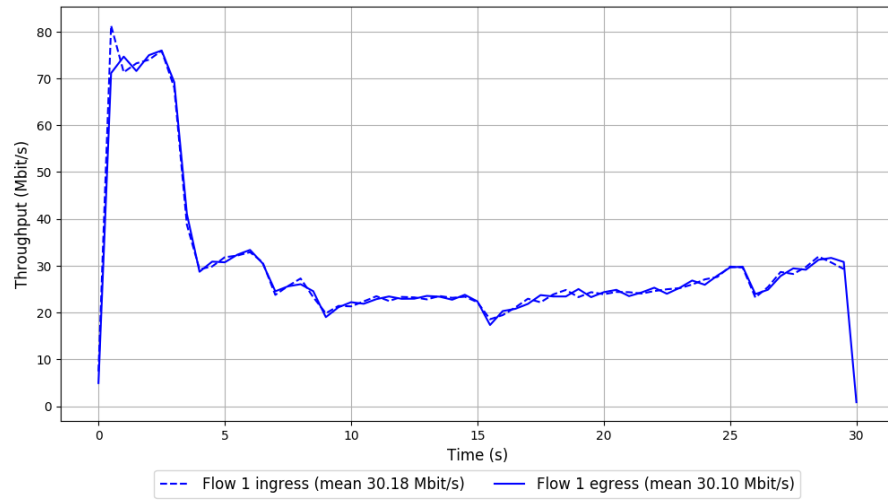
-- Flow 1:

Average throughput: 30.10 Mbit/s

95th percentile per-packet one-way delay: 58.206 ms

Loss rate: 0.27%

### Run 8: Report of TCP Cubic — Data Link



Run 9: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 22:00:01 +0000

End at: Sun, 16 Jul 2017 22:00:31 +0000

Local clock offset: 0.626 ms

Remote clock offset: 2.348 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:37 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 30.78 Mbit/s

95th percentile per-packet one-way delay: 69.462 ms

Loss rate: 0.72%

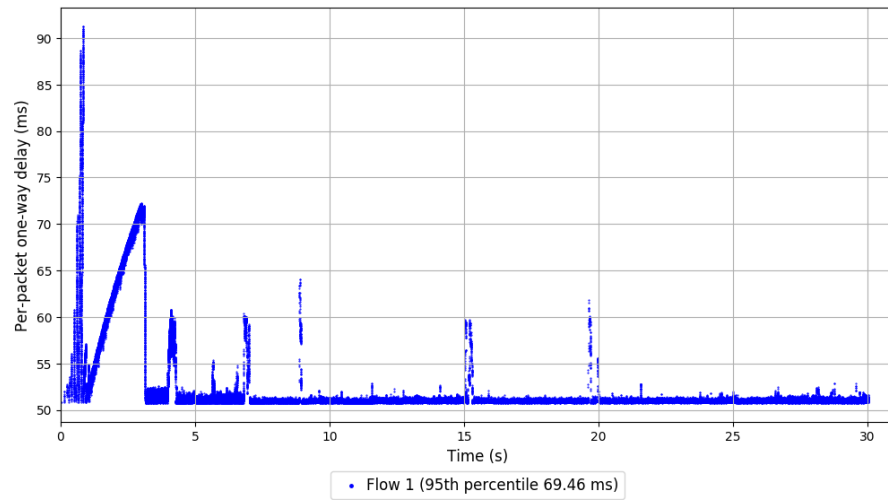
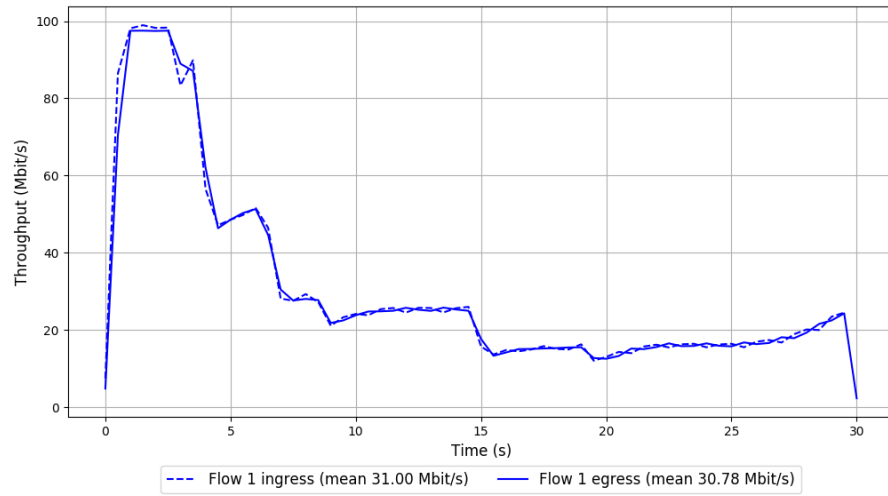
-- Flow 1:

Average throughput: 30.78 Mbit/s

95th percentile per-packet one-way delay: 69.462 ms

Loss rate: 0.72%

### Run 9: Report of TCP Cubic — Data Link



Run 10: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 22:19:41 +0000

End at: Sun, 16 Jul 2017 22:20:11 +0000

Local clock offset: 0.87 ms

Remote clock offset: -0.264 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:41 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 25.75 Mbit/s

95th percentile per-packet one-way delay: 57.504 ms

Loss rate: 0.93%

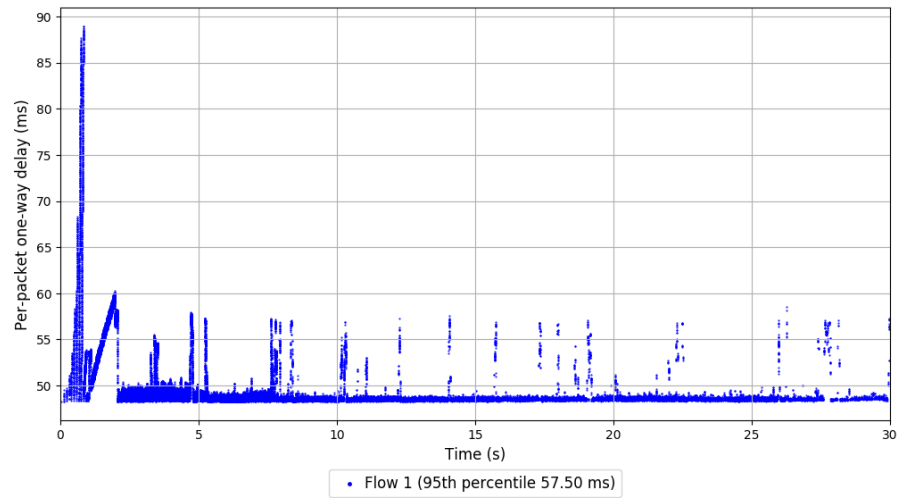
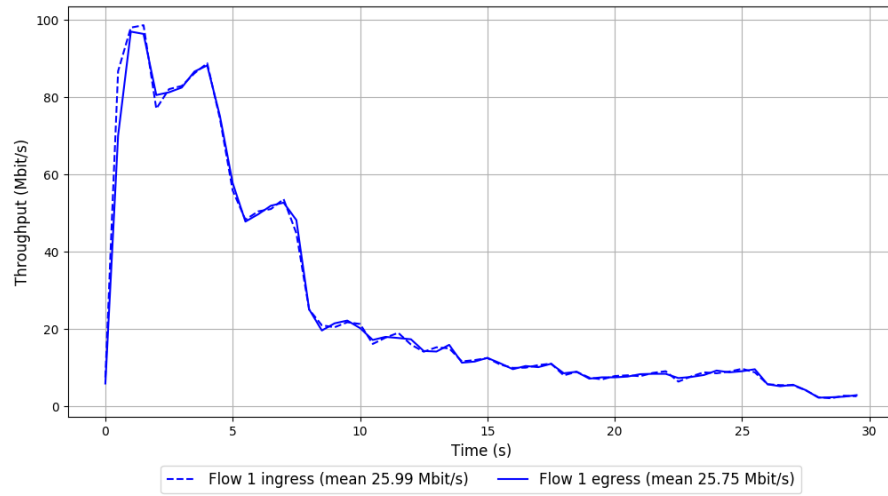
-- Flow 1:

Average throughput: 25.75 Mbit/s

95th percentile per-packet one-way delay: 57.504 ms

Loss rate: 0.93%

### Run 10: Report of TCP Cubic — Data Link



Run 1: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 19:21:34 +0000

End at: Sun, 16 Jul 2017 19:22:04 +0000

Local clock offset: 0.566 ms

Remote clock offset: -1.912 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:41 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.36 Mbit/s

95th percentile per-packet one-way delay: 53.066 ms

Loss rate: 0.06%

-- Flow 1:

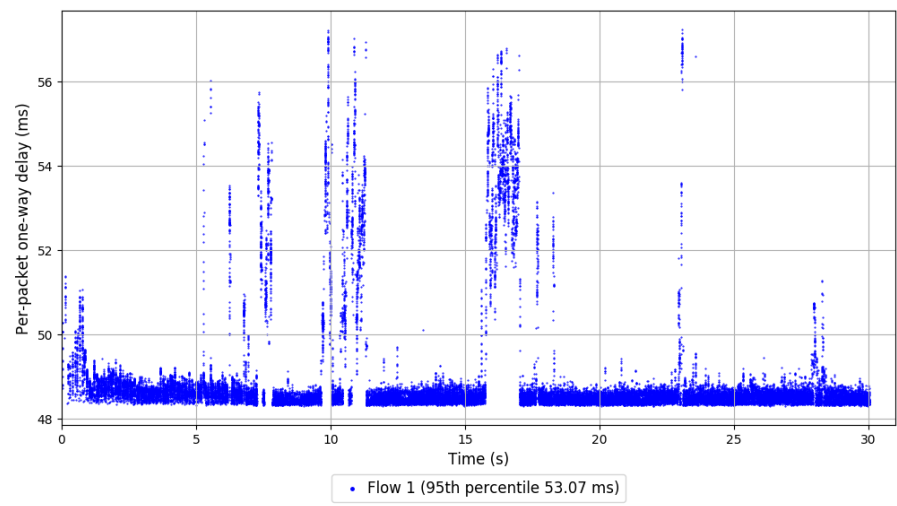
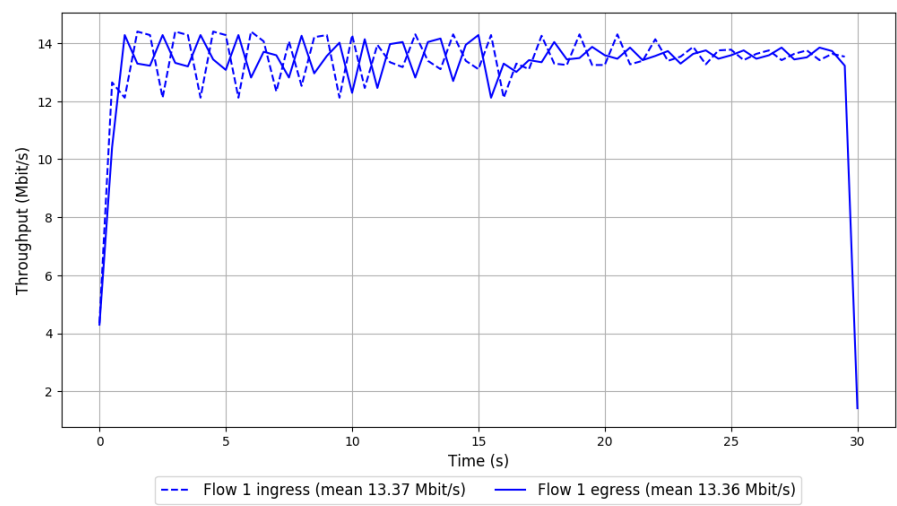
Average throughput: 13.36 Mbit/s

95th percentile per-packet one-way delay: 53.066 ms

Loss rate: 0.06%



Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 19:41:16 +0000

End at: Sun, 16 Jul 2017 19:41:46 +0000

Local clock offset: 0.596 ms

Remote clock offset: -1.504 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:42 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.42 Mbit/s

95th percentile per-packet one-way delay: 48.893 ms

Loss rate: 0.05%

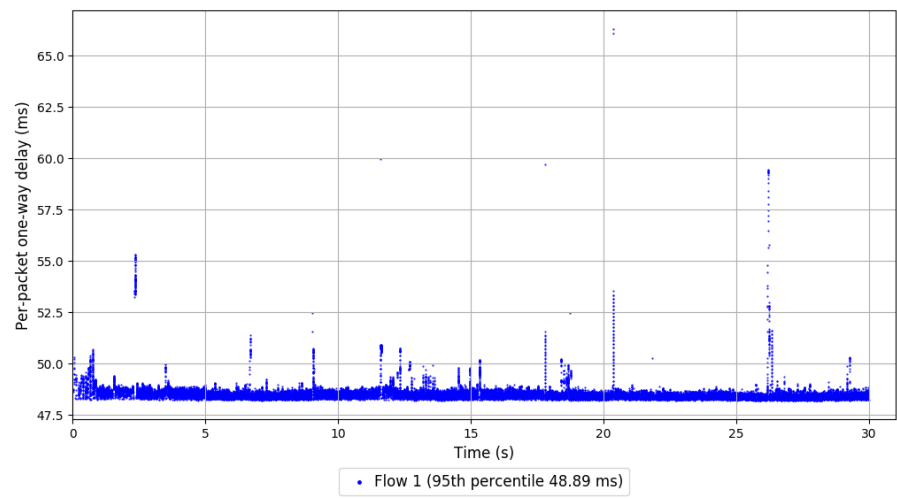
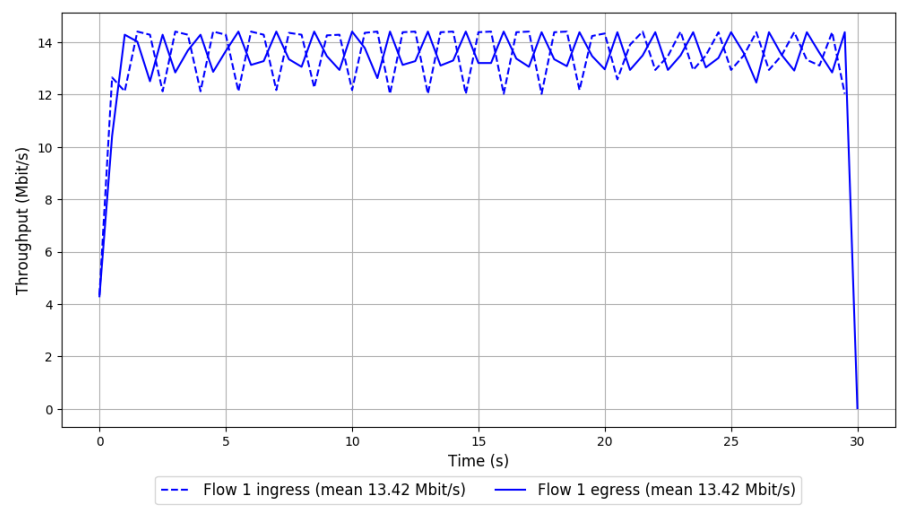
-- Flow 1:

Average throughput: 13.42 Mbit/s

95th percentile per-packet one-way delay: 48.893 ms

Loss rate: 0.05%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 20:00:59 +0000

End at: Sun, 16 Jul 2017 20:01:29 +0000

Local clock offset: 0.541 ms

Remote clock offset: 0.537 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:44 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.38 Mbit/s

95th percentile per-packet one-way delay: 52.183 ms

Loss rate: 0.10%

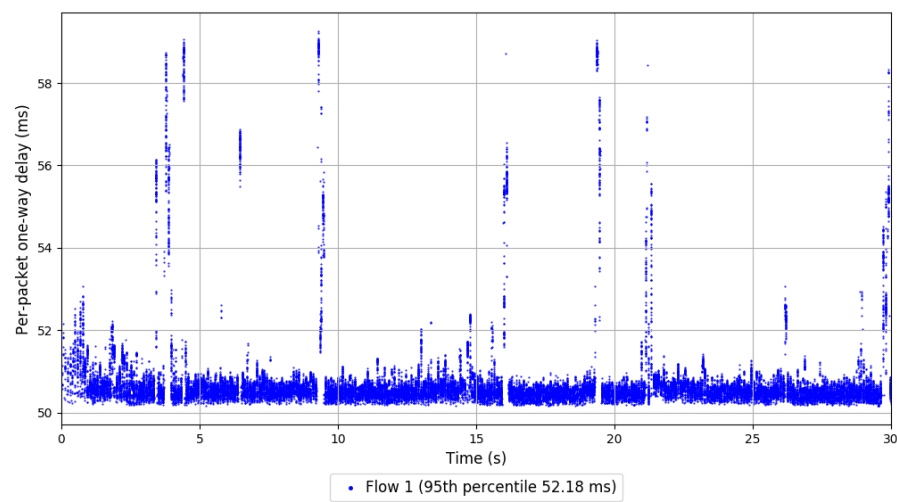
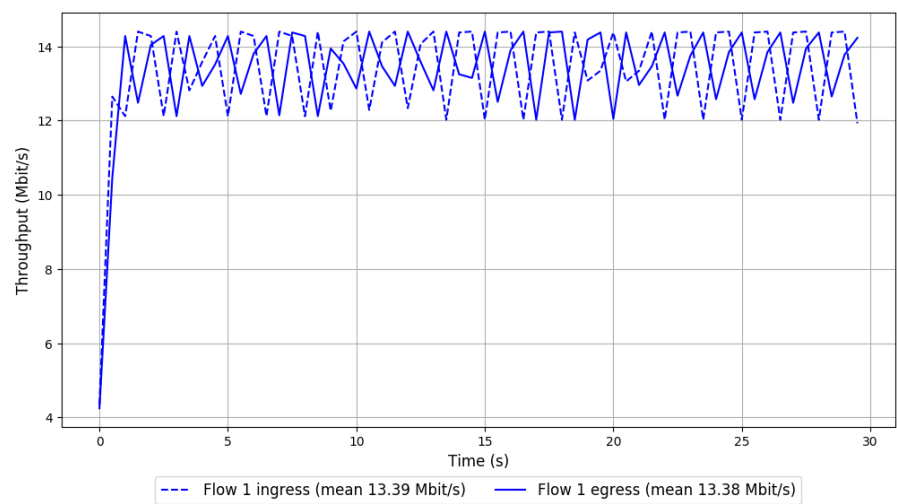
-- Flow 1:

Average throughput: 13.38 Mbit/s

95th percentile per-packet one-way delay: 52.183 ms

Loss rate: 0.10%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 20:20:39 +0000

End at: Sun, 16 Jul 2017 20:21:09 +0000

Local clock offset: 0.436 ms

Remote clock offset: 0.531 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:45 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.56 Mbit/s

95th percentile per-packet one-way delay: 51.398 ms

Loss rate: 0.35%

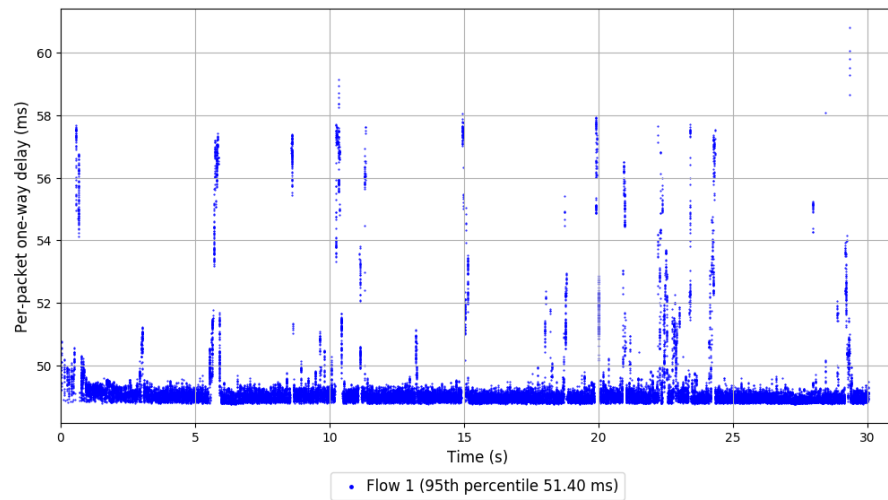
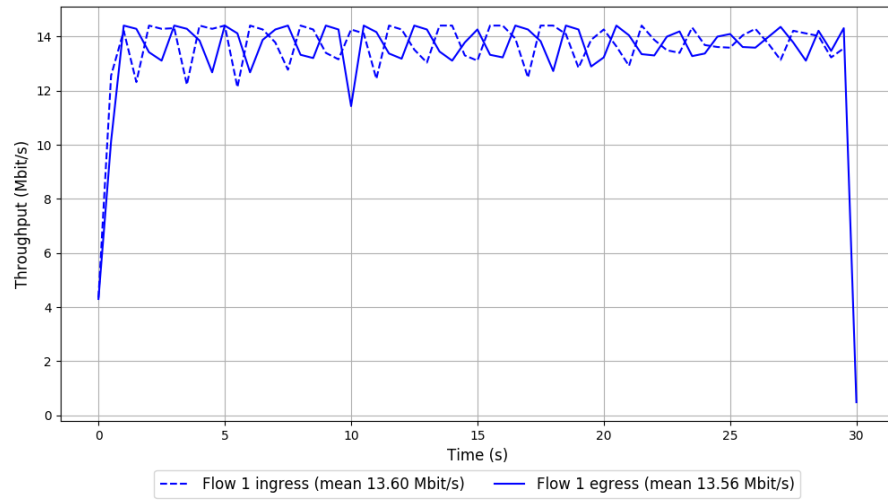
-- Flow 1:

Average throughput: 13.56 Mbit/s

95th percentile per-packet one-way delay: 51.398 ms

Loss rate: 0.35%

#### Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 20:40:11 +0000

End at: Sun, 16 Jul 2017 20:40:41 +0000

Local clock offset: 0.321 ms

Remote clock offset: -1.267 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:46 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.42 Mbit/s

95th percentile per-packet one-way delay: 49.100 ms

Loss rate: 0.01%

-- Flow 1:

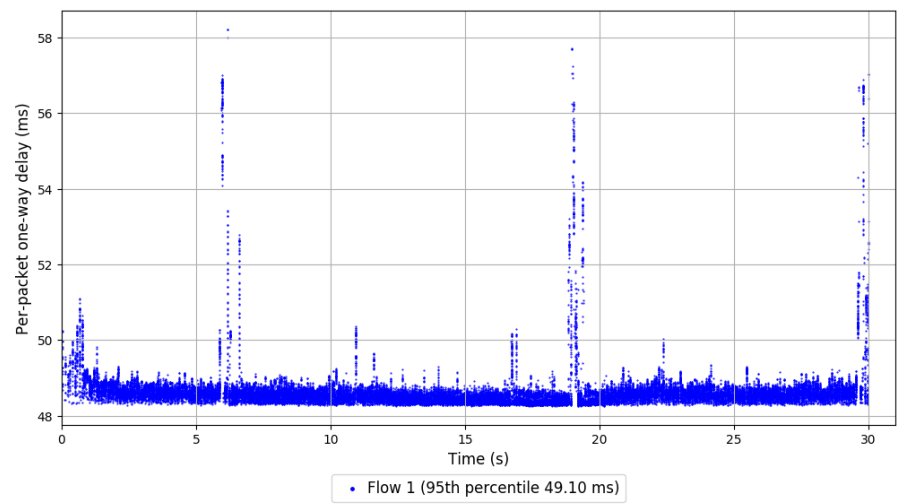
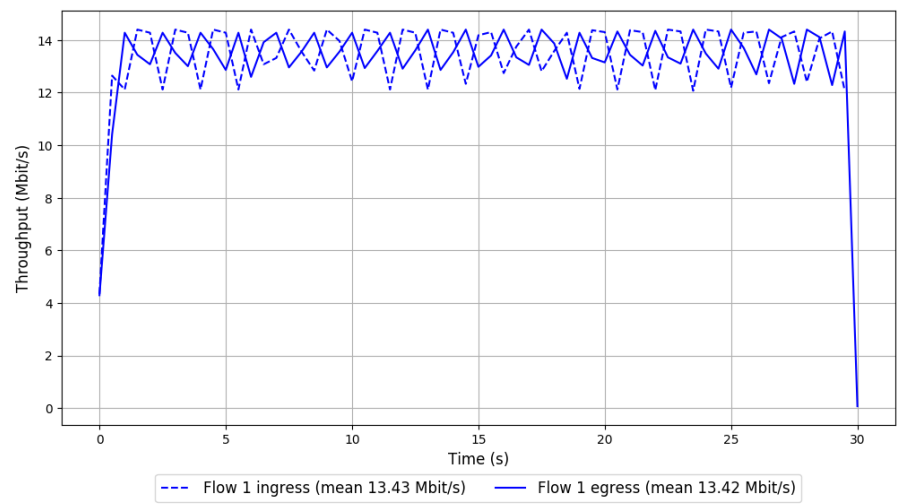
Average throughput: 13.42 Mbit/s

95th percentile per-packet one-way delay: 49.100 ms

Loss rate: 0.01%



Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 20:59:52 +0000

End at: Sun, 16 Jul 2017 21:00:22 +0000

Local clock offset: 0.295 ms

Remote clock offset: 1.281 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:48 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.20 Mbit/s

95th percentile per-packet one-way delay: 57.808 ms

Loss rate: 0.64%

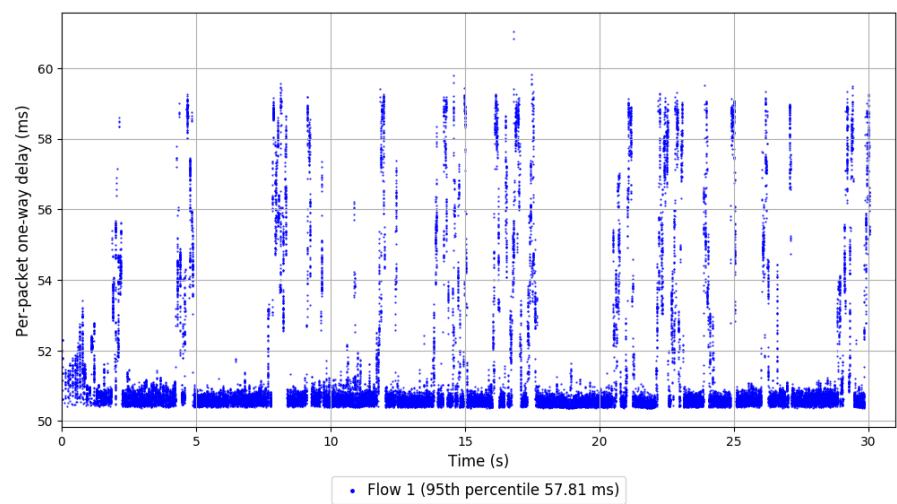
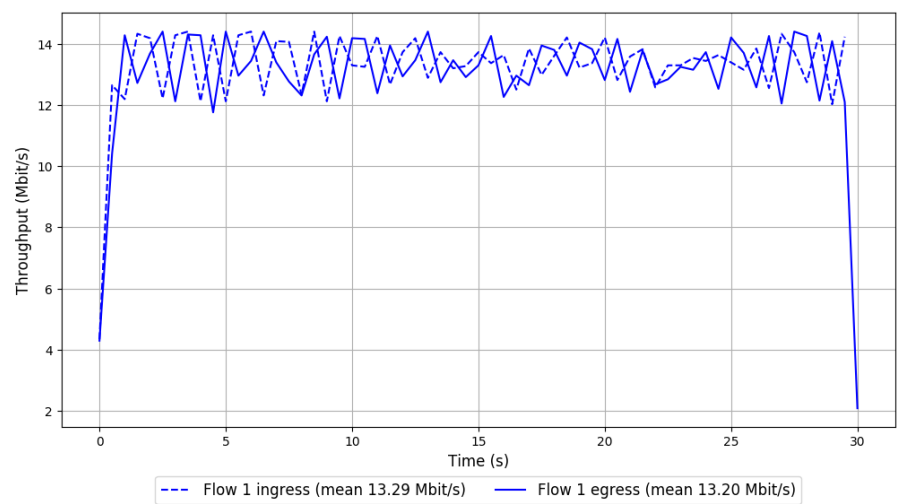
-- Flow 1:

Average throughput: 13.20 Mbit/s

95th percentile per-packet one-way delay: 57.808 ms

Loss rate: 0.64%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 21:19:29 +0000

End at: Sun, 16 Jul 2017 21:19:59 +0000

Local clock offset: 0.448 ms

Remote clock offset: 1.597 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:49 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.30 Mbit/s

95th percentile per-packet one-way delay: 55.700 ms

Loss rate: 0.32%

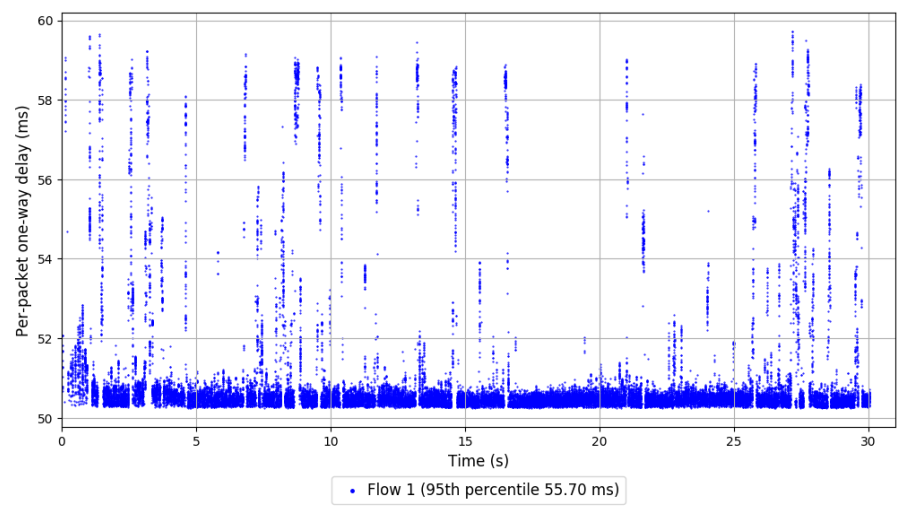
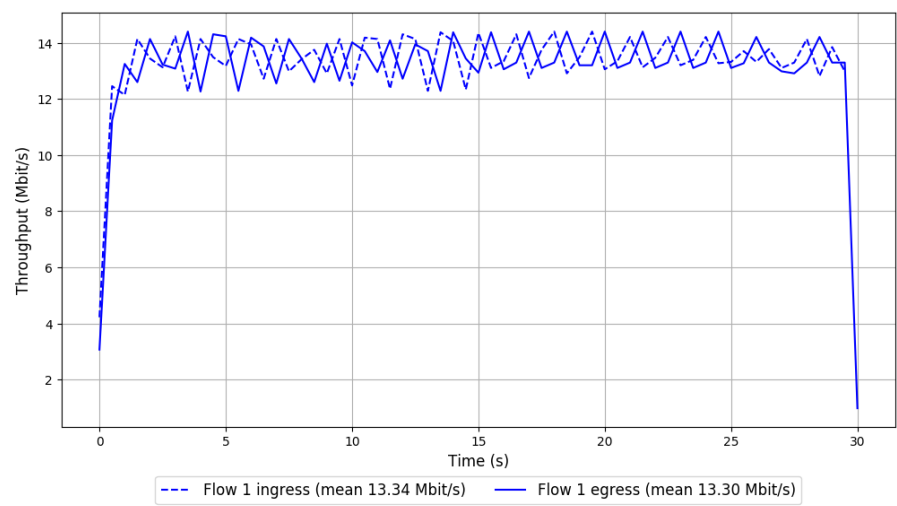
-- Flow 1:

Average throughput: 13.30 Mbit/s

95th percentile per-packet one-way delay: 55.700 ms

Loss rate: 0.32%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 21:39:04 +0000

End at: Sun, 16 Jul 2017 21:39:34 +0000

Local clock offset: 0.537 ms

Remote clock offset: 2.163 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:50 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.64 Mbit/s

95th percentile per-packet one-way delay: 50.158 ms

Loss rate: 0.00%

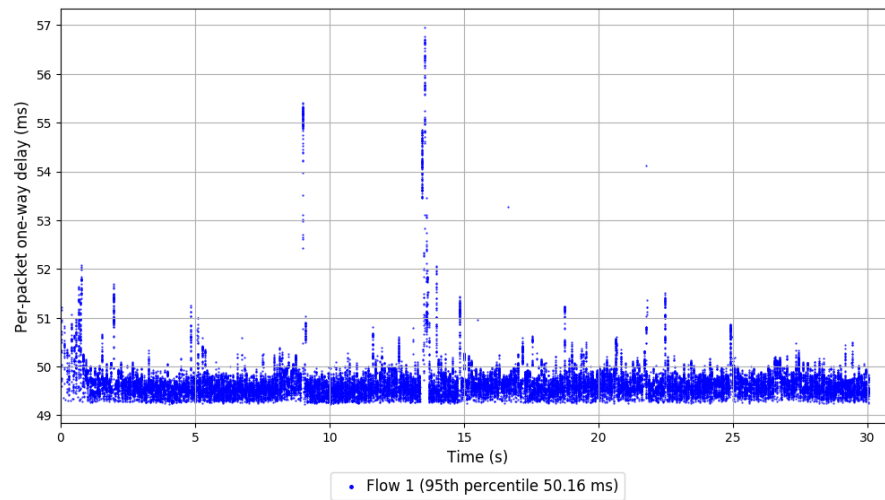
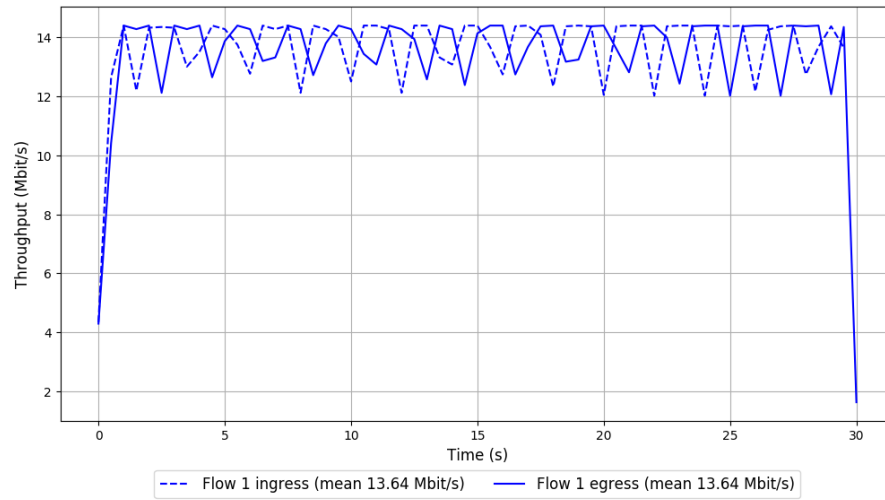
-- Flow 1:

Average throughput: 13.64 Mbit/s

95th percentile per-packet one-way delay: 50.158 ms

Loss rate: 0.00%

# Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 21:58:44 +0000

End at: Sun, 16 Jul 2017 21:59:14 +0000

Local clock offset: 0.63 ms

Remote clock offset: -0.113 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:52 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.41 Mbit/s

95th percentile per-packet one-way delay: 49.581 ms

Loss rate: 0.03%

-- Flow 1:

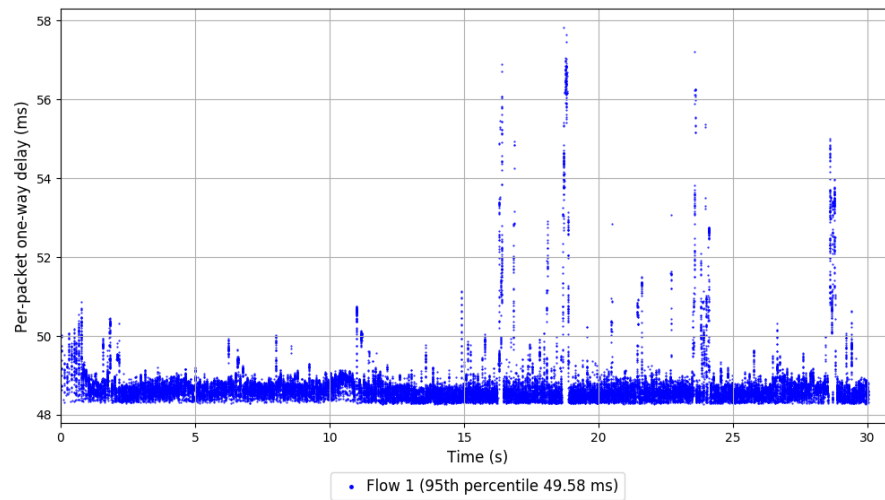
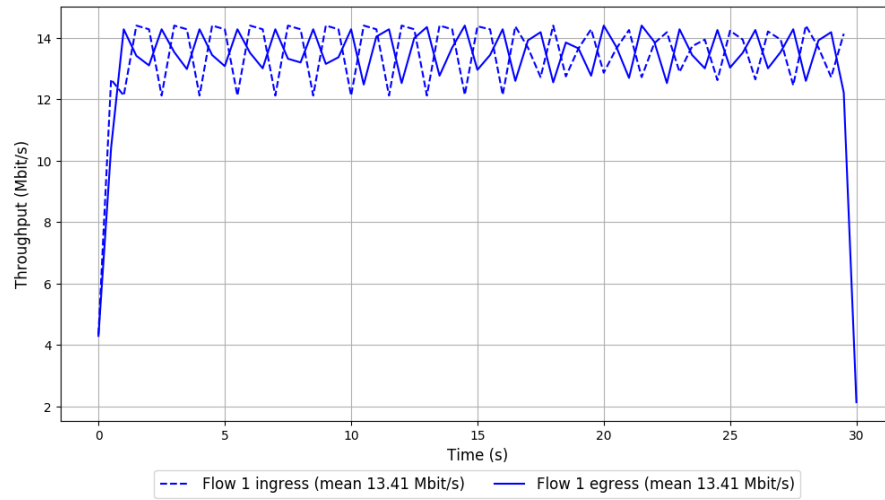
Average throughput: 13.41 Mbit/s

95th percentile per-packet one-way delay: 49.581 ms

Loss rate: 0.03%



### Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 22:18:24 +0000

End at: Sun, 16 Jul 2017 22:18:54 +0000

Local clock offset: 0.901 ms

Remote clock offset: -0.256 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:53 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 13.37 Mbit/s

95th percentile per-packet one-way delay: 49.022 ms

Loss rate: 0.35%

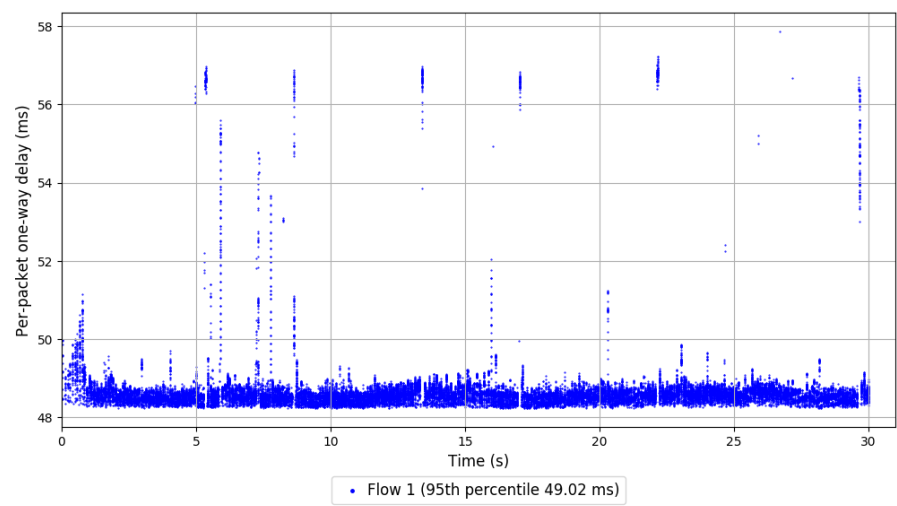
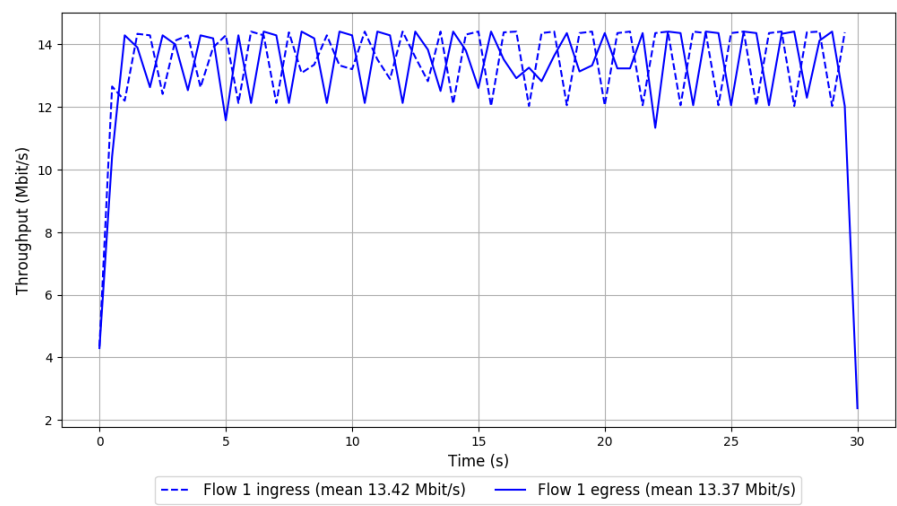
-- Flow 1:

Average throughput: 13.37 Mbit/s

95th percentile per-packet one-way delay: 49.022 ms

Loss rate: 0.35%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 19:15:05 +0000

End at: Sun, 16 Jul 2017 19:15:35 +0000

Local clock offset: 0.535 ms

Remote clock offset: -2.068 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:56 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 14.54 Mbit/s

95th percentile per-packet one-way delay: 50.235 ms

Loss rate: 0.19%

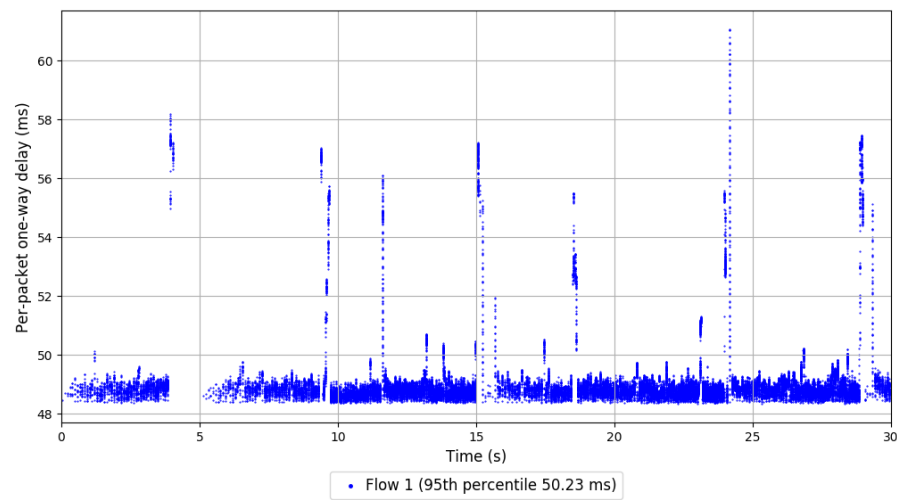
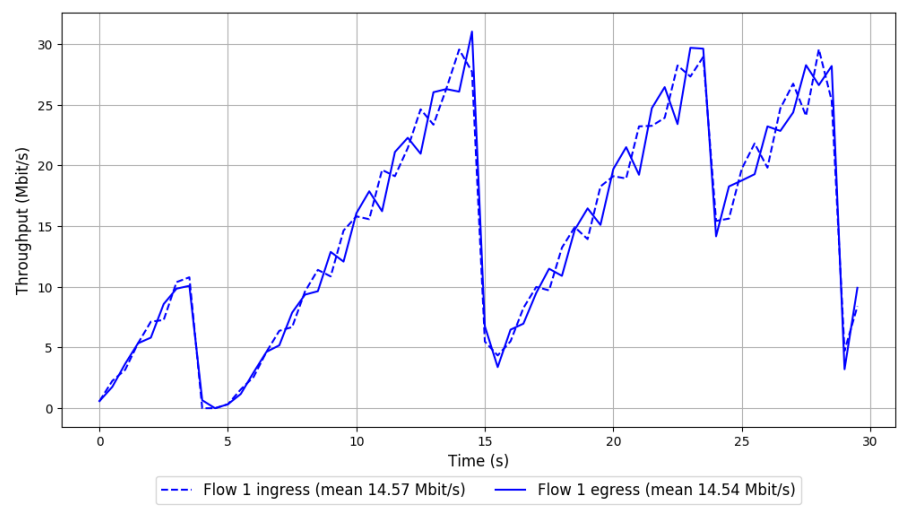
-- Flow 1:

Average throughput: 14.54 Mbit/s

95th percentile per-packet one-way delay: 50.235 ms

Loss rate: 0.19%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 19:34:47 +0000

End at: Sun, 16 Jul 2017 19:35:17 +0000

Local clock offset: 0.555 ms

Remote clock offset: 0.418 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:56 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 14.24 Mbit/s

95th percentile per-packet one-way delay: 53.737 ms

Loss rate: 0.25%

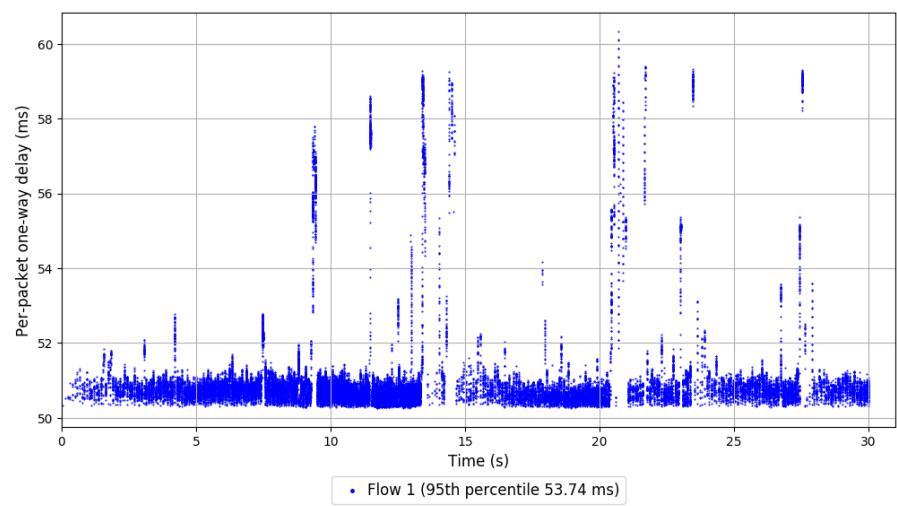
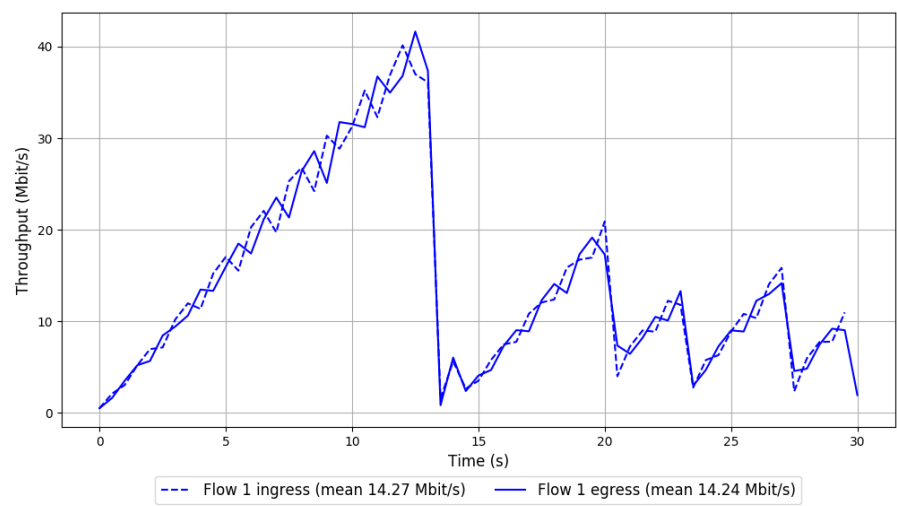
-- Flow 1:

Average throughput: 14.24 Mbit/s

95th percentile per-packet one-way delay: 53.737 ms

Loss rate: 0.25%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 19:54:28 +0000

End at: Sun, 16 Jul 2017 19:54:58 +0000

Local clock offset: 0.479 ms

Remote clock offset: 1.013 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:59 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 16.69 Mbit/s

95th percentile per-packet one-way delay: 51.167 ms

Loss rate: 0.16%

-- Flow 1:

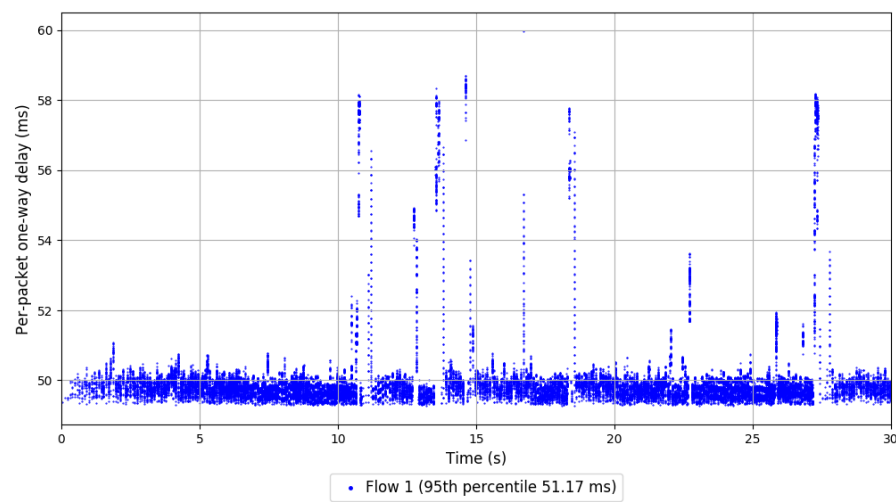
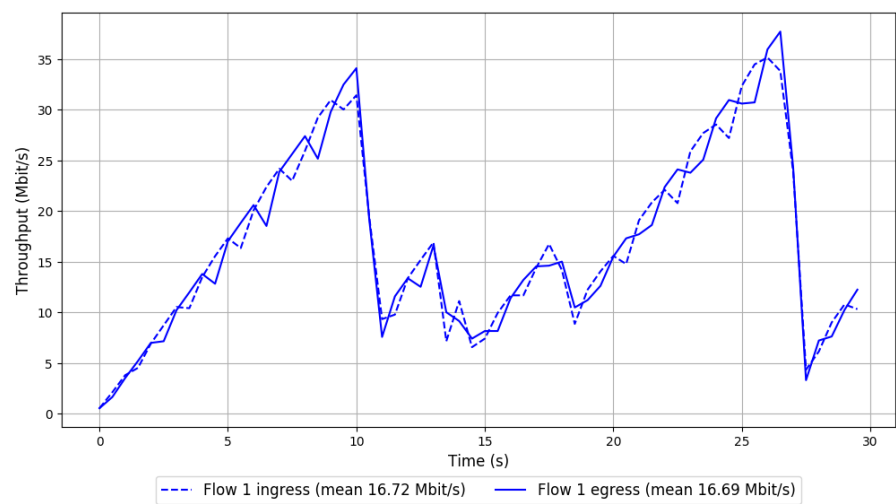
Average throughput: 16.69 Mbit/s

95th percentile per-packet one-way delay: 51.167 ms

Loss rate: 0.16%



Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 20:14:11 +0000

End at: Sun, 16 Jul 2017 20:14:41 +0000

Local clock offset: 0.476 ms

Remote clock offset: -1.456 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:05:59 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.10 Mbit/s

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

Loss rate: 0.25%

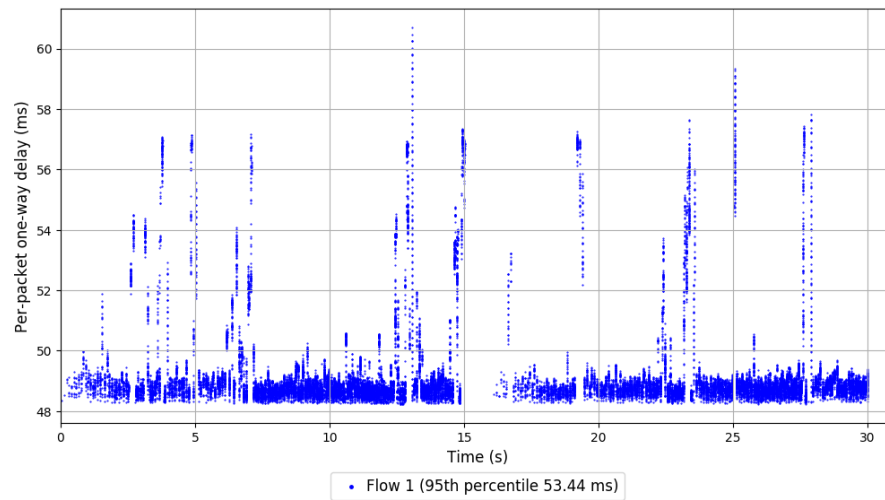
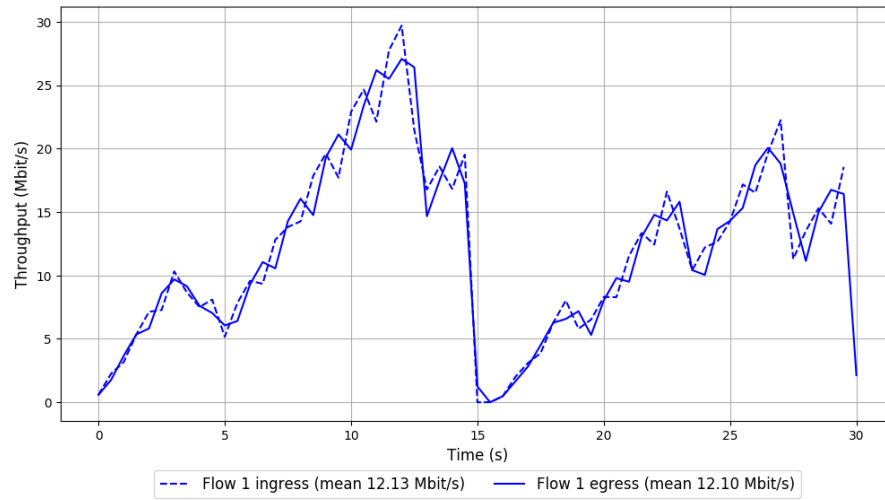
-- Flow 1:

Average throughput: 12.10 Mbit/s

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

Loss rate: 0.25%

#### Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 20:33:43 +0000

End at: Sun, 16 Jul 2017 20:34:13 +0000

Local clock offset: 0.425 ms

Remote clock offset: 0.753 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:06:01 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 14.82 Mbit/s

95th percentile per-packet one-way delay: 51.662 ms

Loss rate: 0.17%

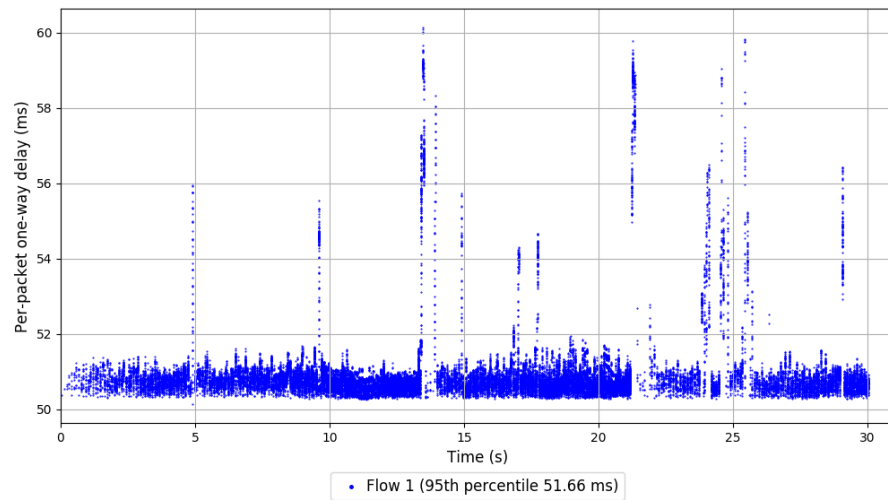
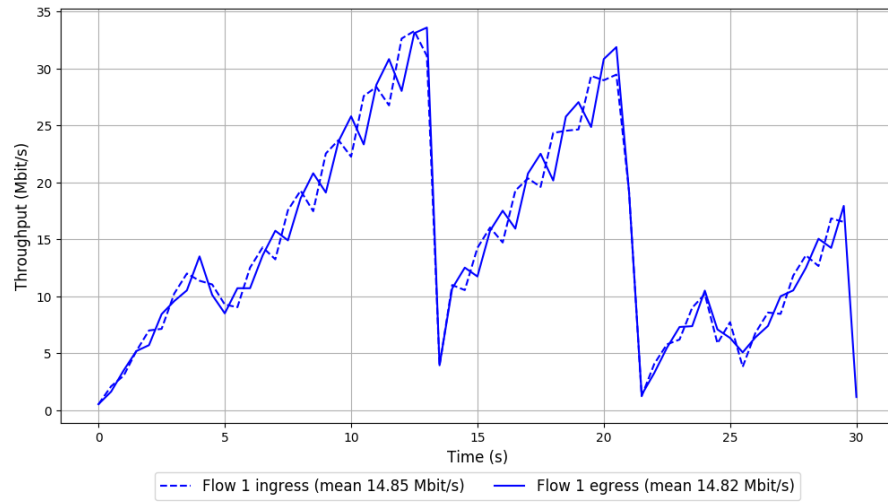
-- Flow 1:

Average throughput: 14.82 Mbit/s

95th percentile per-packet one-way delay: 51.662 ms

Loss rate: 0.17%

### Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 20:53:23 +0000

End at: Sun, 16 Jul 2017 20:53:53 +0000

Local clock offset: 0.392 ms

Remote clock offset: -1.024 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:06:03 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 19.78 Mbit/s

95th percentile per-packet one-way delay: 49.417 ms

Loss rate: 0.12%

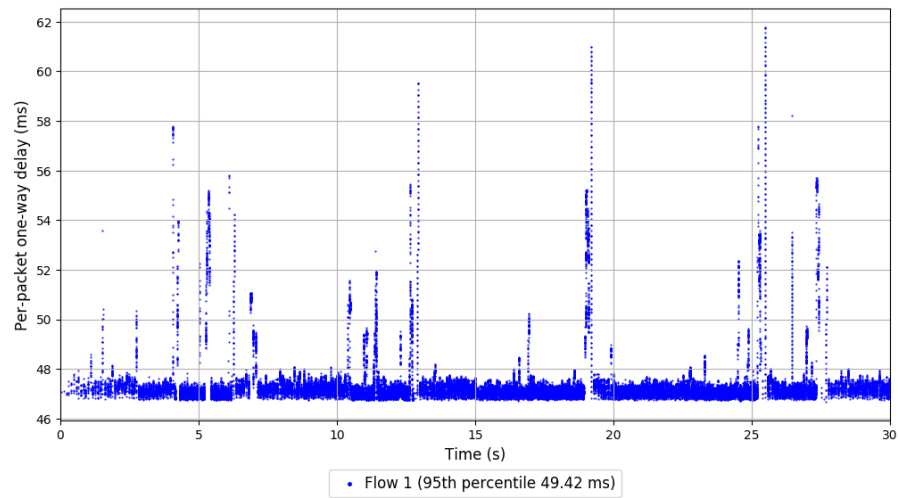
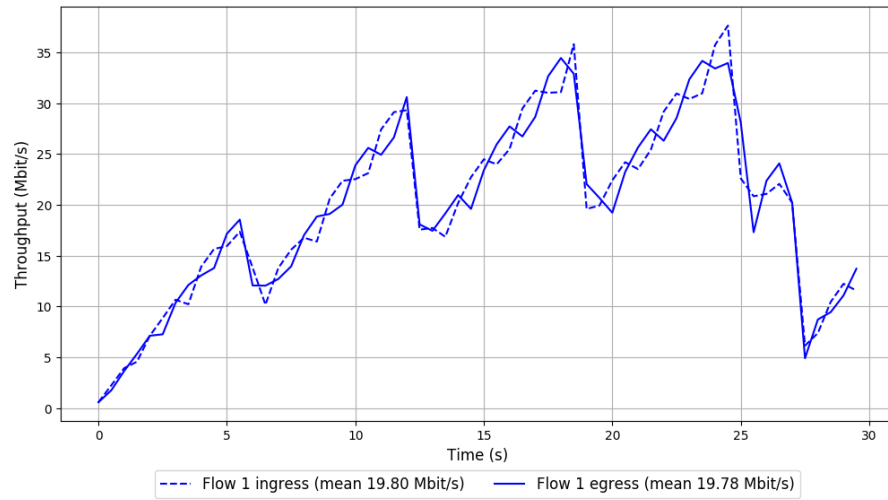
-- Flow 1:

Average throughput: 19.78 Mbit/s

95th percentile per-packet one-way delay: 49.417 ms

Loss rate: 0.12%

## Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 21:13:01 +0000

End at: Sun, 16 Jul 2017 21:13:31 +0000

Local clock offset: 0.41 ms

Remote clock offset: 1.47 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:06:03 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 57.348 ms

Loss rate: 0.57%

-- Flow 1:

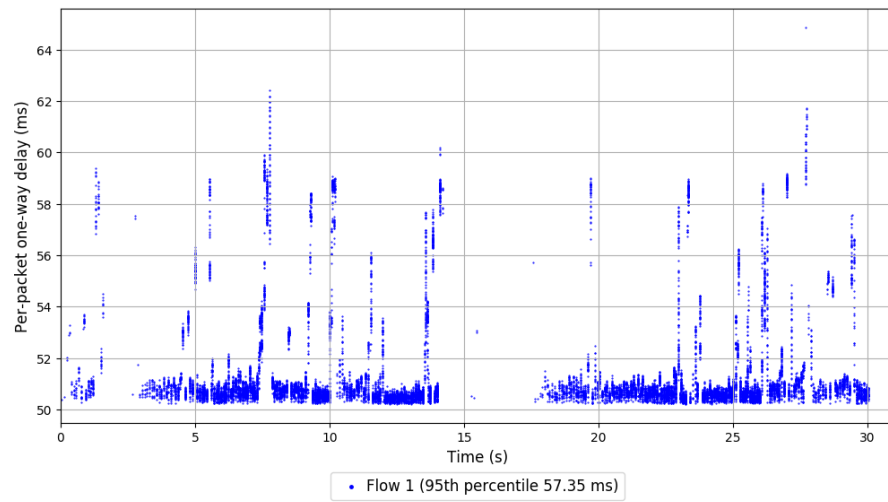
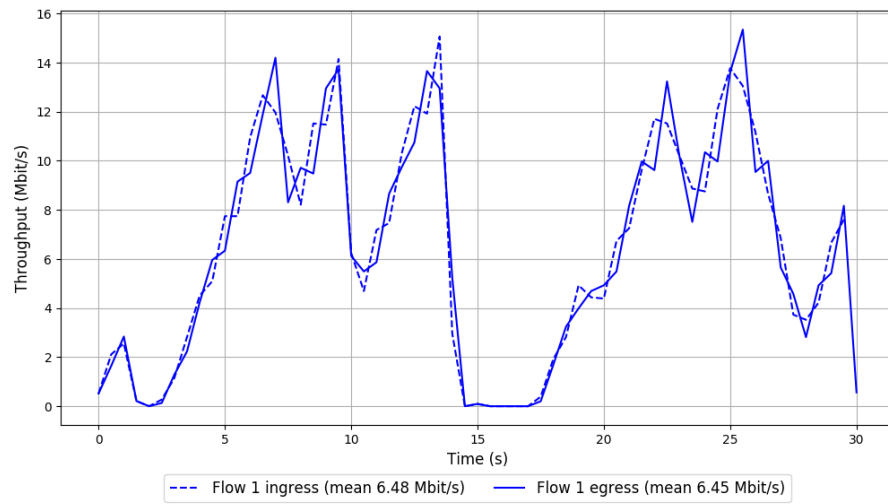
Average throughput: 6.45 Mbit/s

95th percentile per-packet one-way delay: 57.348 ms

Loss rate: 0.57%



## Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 21:32:35 +0000

End at: Sun, 16 Jul 2017 21:33:06 +0000

Local clock offset: 0.399 ms

Remote clock offset: 1.784 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:06:07 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 26.90 Mbit/s

95th percentile per-packet one-way delay: 51.766 ms

Loss rate: 0.09%

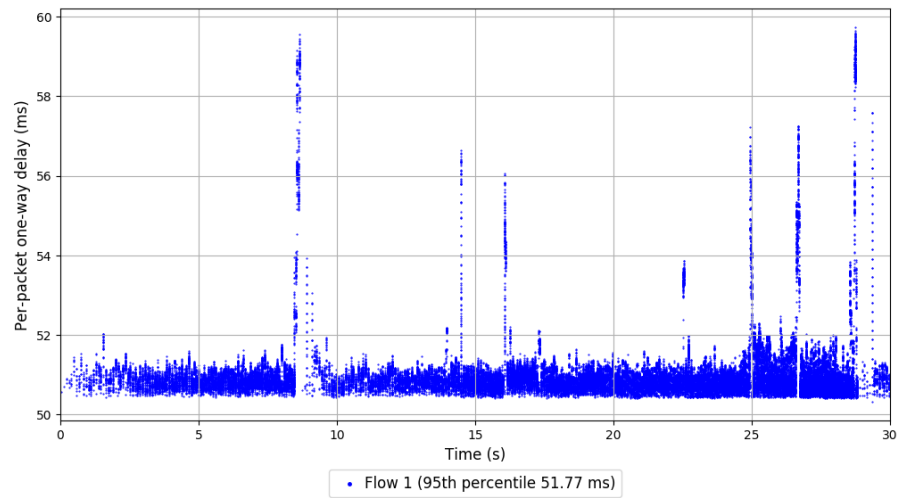
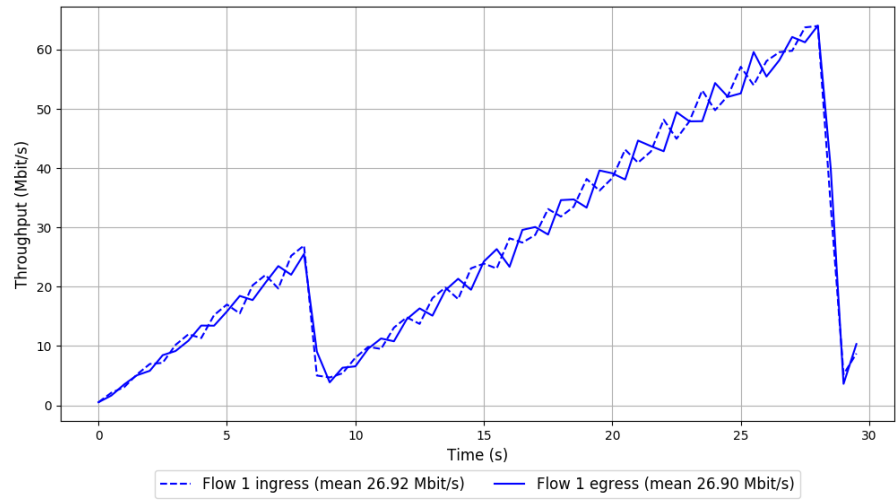
-- Flow 1:

Average throughput: 26.90 Mbit/s

95th percentile per-packet one-way delay: 51.766 ms

Loss rate: 0.09%

## Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 21:52:13 +0000

End at: Sun, 16 Jul 2017 21:52:43 +0000

Local clock offset: 0.69 ms

Remote clock offset: 1.907 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:06:09 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 37.23 Mbit/s

95th percentile per-packet one-way delay: 51.299 ms

Loss rate: 0.01%

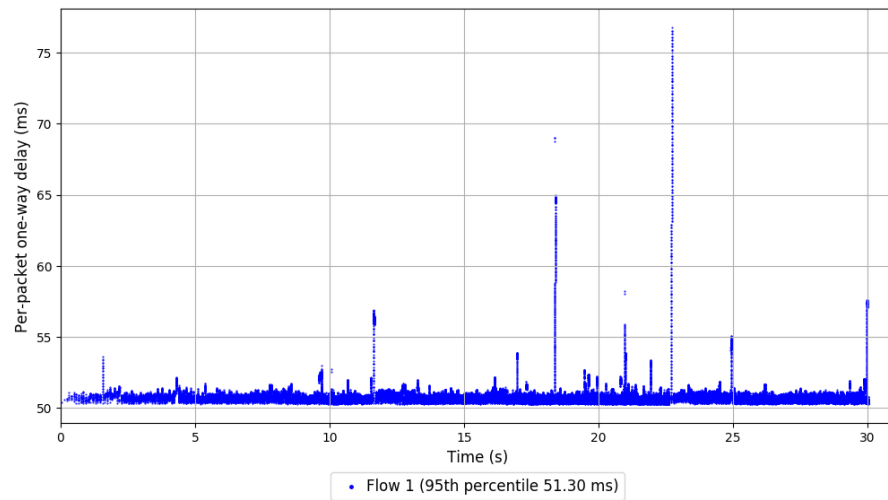
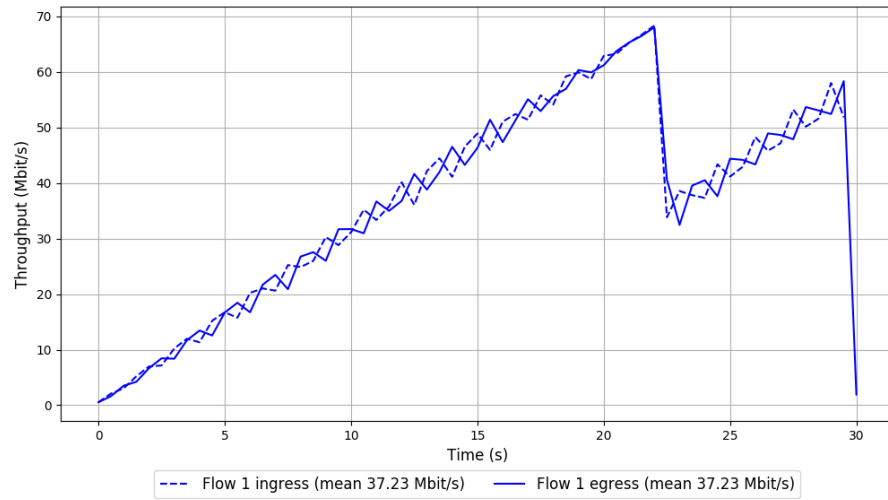
-- Flow 1:

Average throughput: 37.23 Mbit/s

95th percentile per-packet one-way delay: 51.299 ms

Loss rate: 0.01%

### Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 22:11:54 +0000

End at: Sun, 16 Jul 2017 22:12:24 +0000

Local clock offset: 0.725 ms

Remote clock offset: 1.876 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:06:13 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 47.03 Mbit/s

95th percentile per-packet one-way delay: 51.616 ms

Loss rate: 0.01%

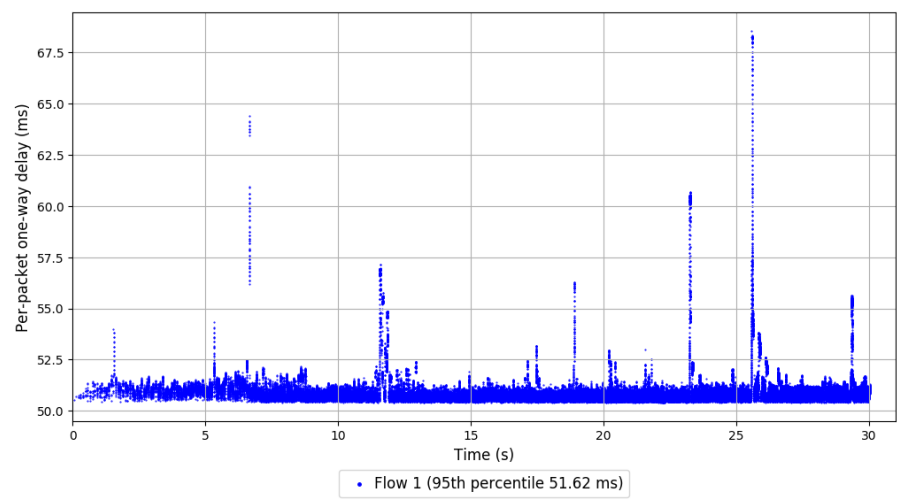
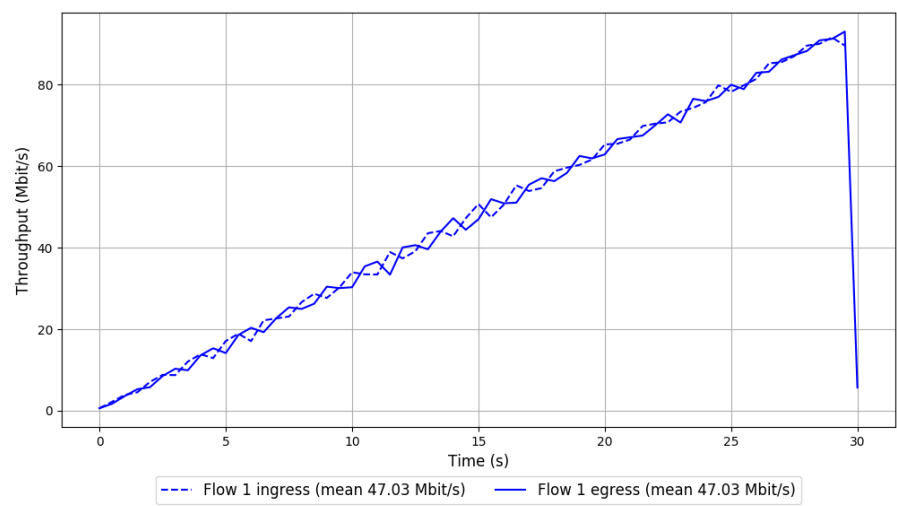
-- Flow 1:

Average throughput: 47.03 Mbit/s

95th percentile per-packet one-way delay: 51.616 ms

Loss rate: 0.01%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Sun, 16 Jul 2017 19:25:27 +0000

End at: Sun, 16 Jul 2017 19:25:57 +0000

Local clock offset: 0.532 ms

Remote clock offset: 0.095 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:06:20 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.51 Mbit/s

95th percentile per-packet one-way delay: 63.682 ms

Loss rate: 0.91%

-- Flow 1:

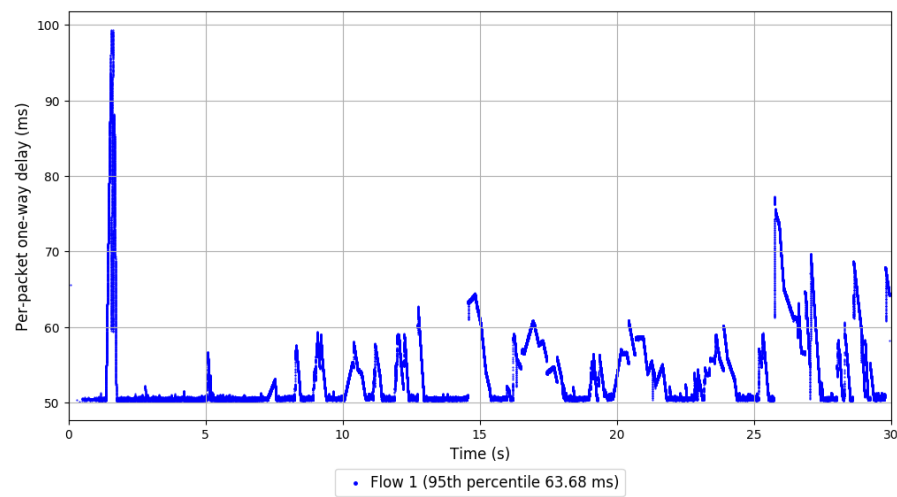
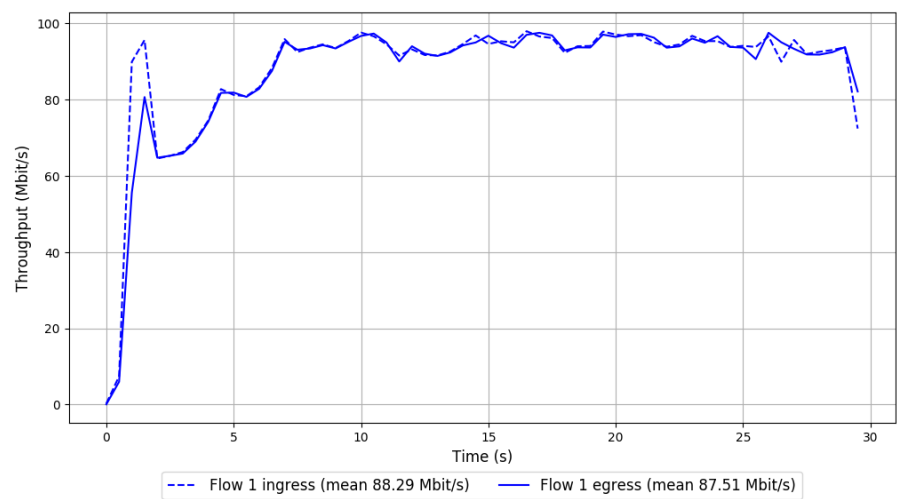
Average throughput: 87.51 Mbit/s

95th percentile per-packet one-way delay: 63.682 ms

Loss rate: 0.91%



Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

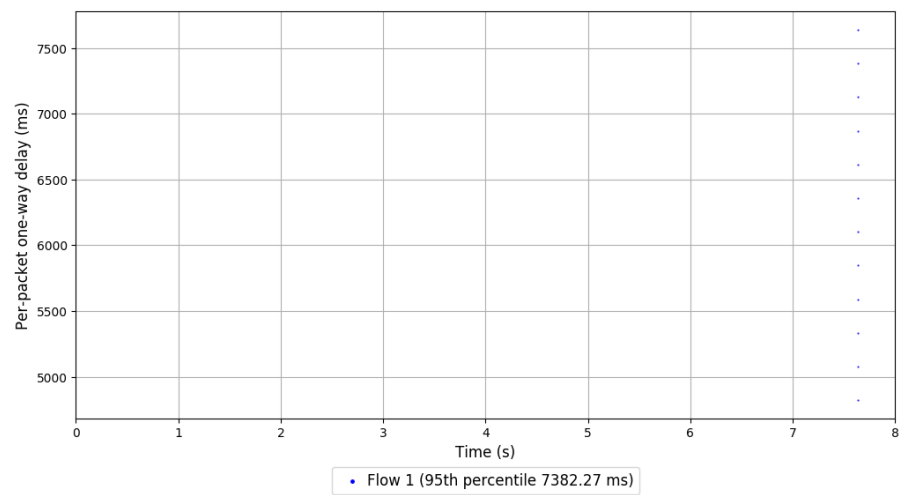
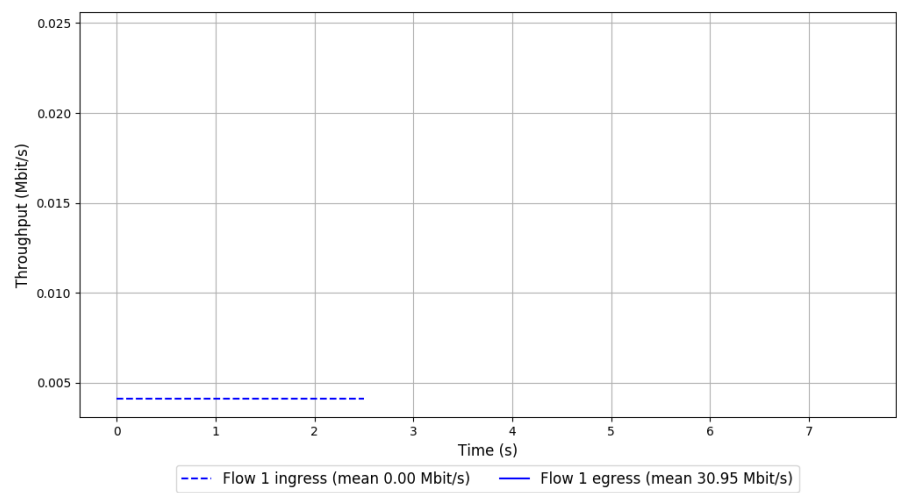
Start at: Sun, 16 Jul 2017 19:45:09 +0000

End at: Sun, 16 Jul 2017 19:45:39 +0000

Local clock offset: 0.503 ms

Remote clock offset: -1.419 ms

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Sun, 16 Jul 2017 20:04:50 +0000

End at: Sun, 16 Jul 2017 20:05:20 +0000

Local clock offset: 0.453 ms

Remote clock offset: 0.482 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:06:26 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.55 Mbit/s

95th percentile per-packet one-way delay: 58.847 ms

Loss rate: 1.62%

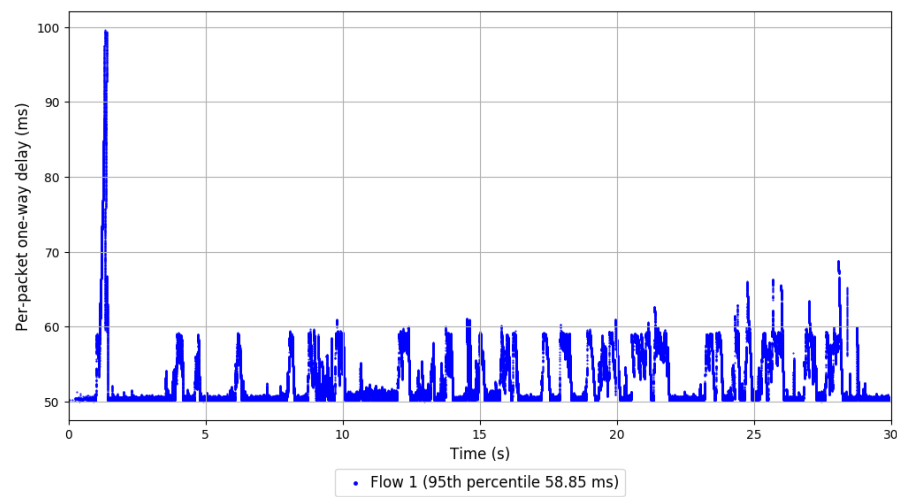
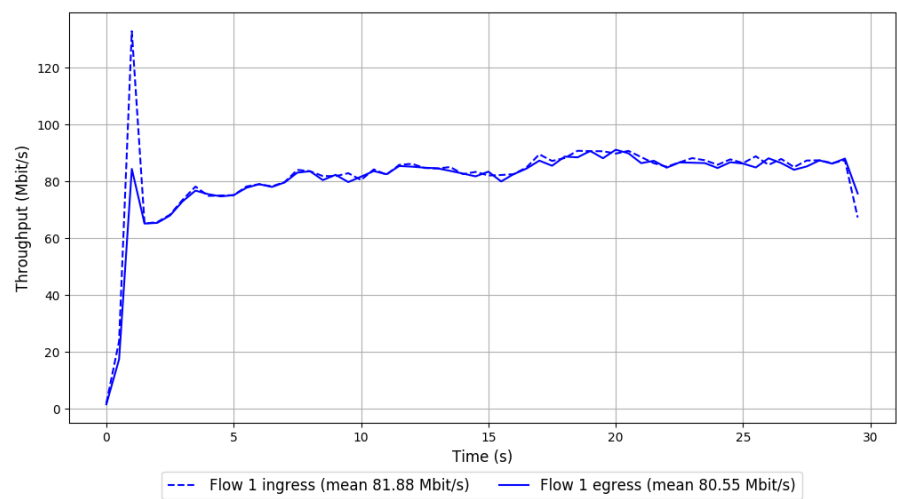
-- Flow 1:

Average throughput: 80.55 Mbit/s

95th percentile per-packet one-way delay: 58.847 ms

Loss rate: 1.62%

Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

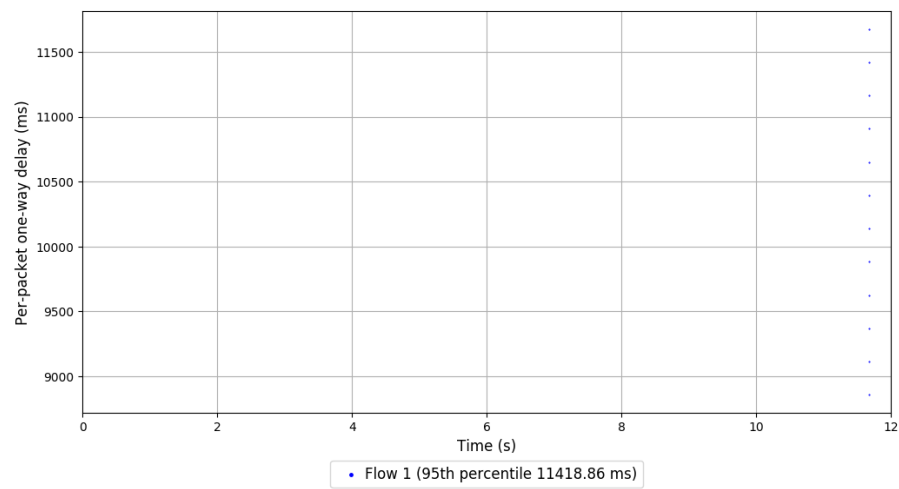
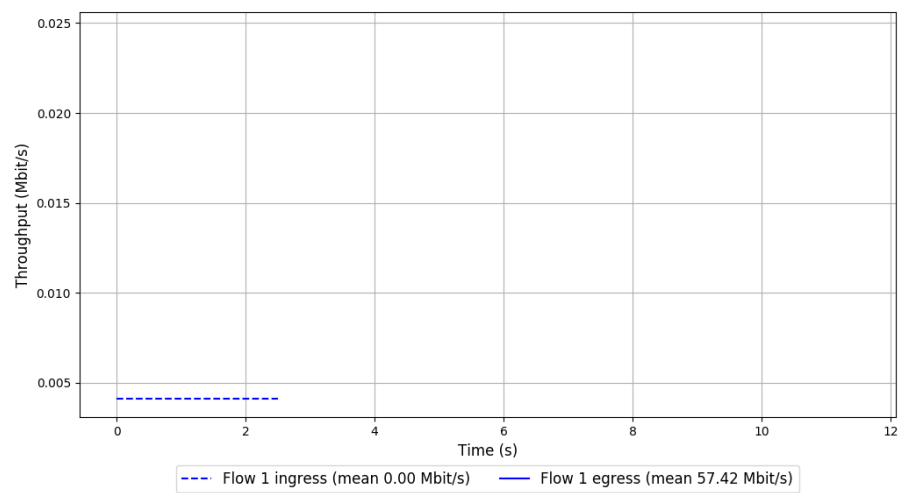
Start at: Sun, 16 Jul 2017 20:24:28 +0000

End at: Sun, 16 Jul 2017 20:24:58 +0000

Local clock offset: 0.321 ms

Remote clock offset: 0.629 ms

Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Sun, 16 Jul 2017 20:44:02 +0000

End at: Sun, 16 Jul 2017 20:44:32 +0000

Local clock offset: 0.382 ms

Remote clock offset: 0.93 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:06:32 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.34 Mbit/s

95th percentile per-packet one-way delay: 62.867 ms

Loss rate: 0.87%

-- Flow 1:

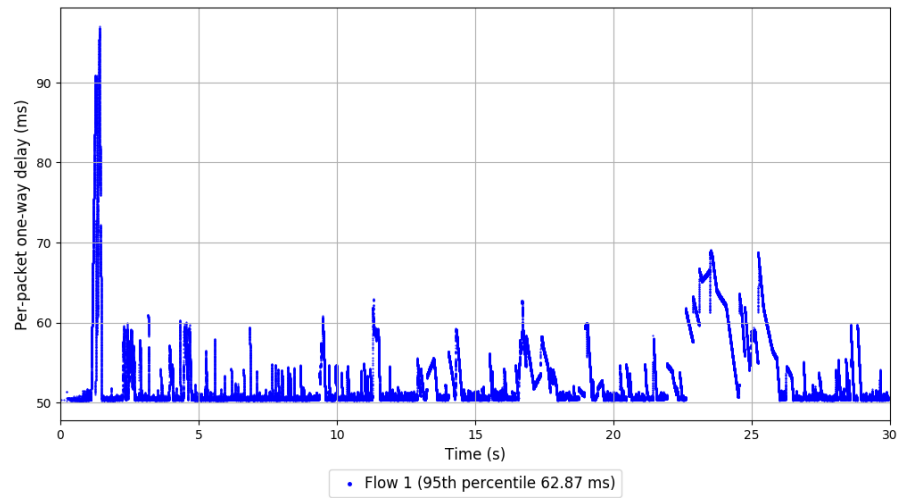
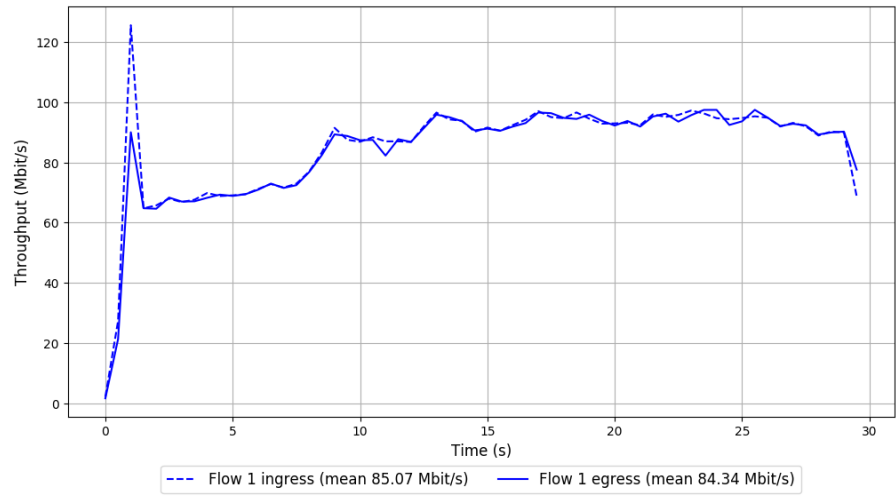
Average throughput: 84.34 Mbit/s

95th percentile per-packet one-way delay: 62.867 ms

Loss rate: 0.87%



## Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Sun, 16 Jul 2017 21:03:42 +0000

End at: Sun, 16 Jul 2017 21:04:12 +0000

Local clock offset: 0.32 ms

Remote clock offset: -0.723 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:06:39 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.28 Mbit/s

95th percentile per-packet one-way delay: 56.973 ms

Loss rate: 1.13%

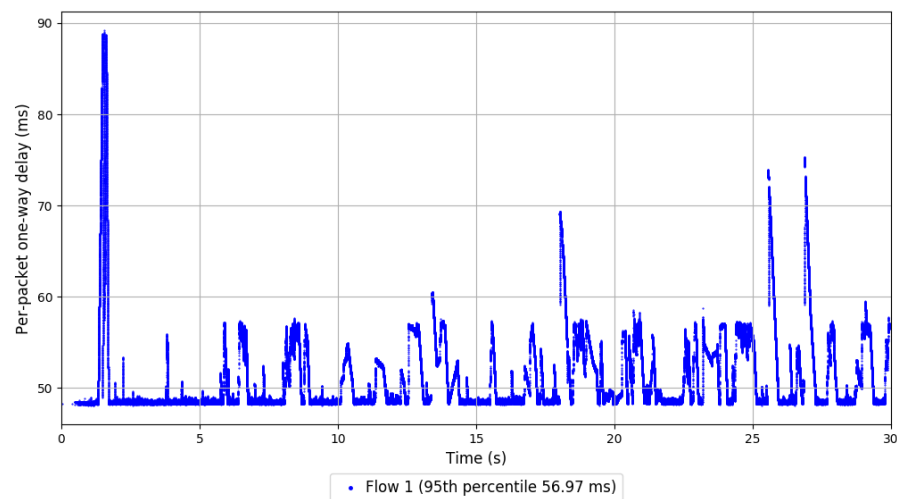
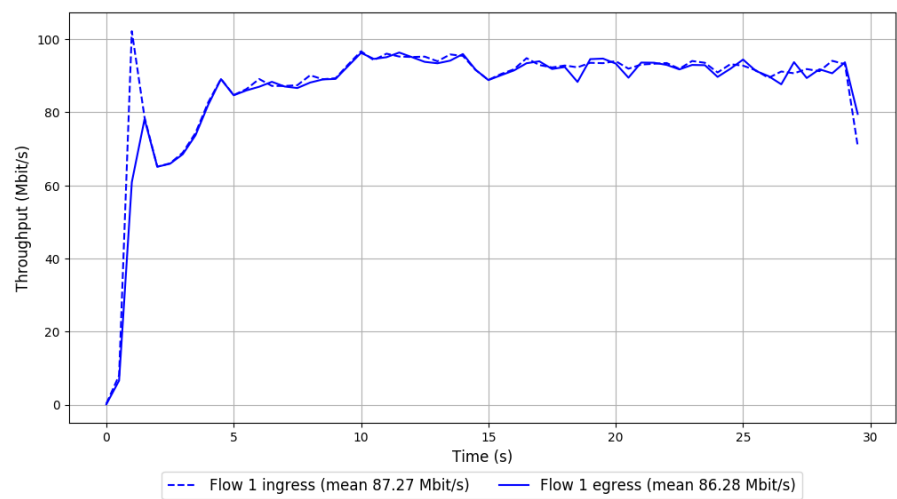
-- Flow 1:

Average throughput: 86.28 Mbit/s

95th percentile per-packet one-way delay: 56.973 ms

Loss rate: 1.13%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Sun, 16 Jul 2017 21:23:17 +0000

End at: Sun, 16 Jul 2017 21:23:47 +0000

Local clock offset: 0.484 ms

Remote clock offset: 2.089 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:06:40 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 35.56 Mbit/s

95th percentile per-packet one-way delay: 57.602 ms

Loss rate: 0.58%

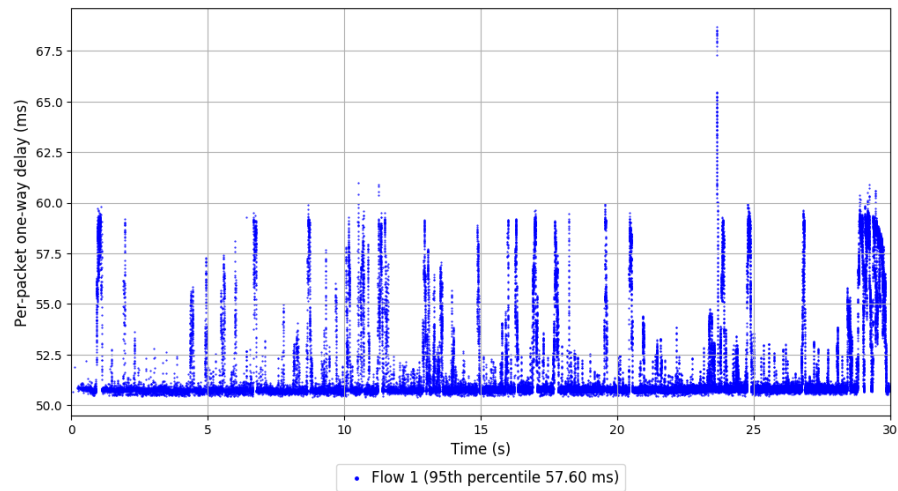
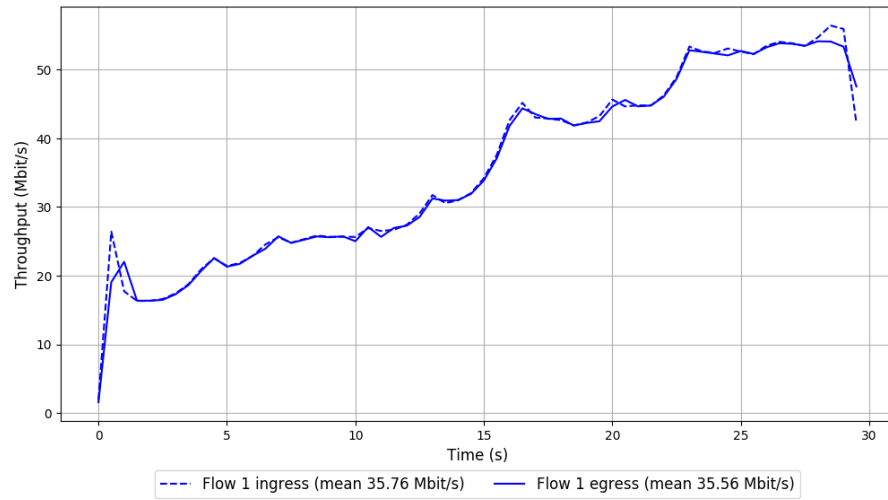
-- Flow 1:

Average throughput: 35.56 Mbit/s

95th percentile per-packet one-way delay: 57.602 ms

Loss rate: 0.58%

## Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

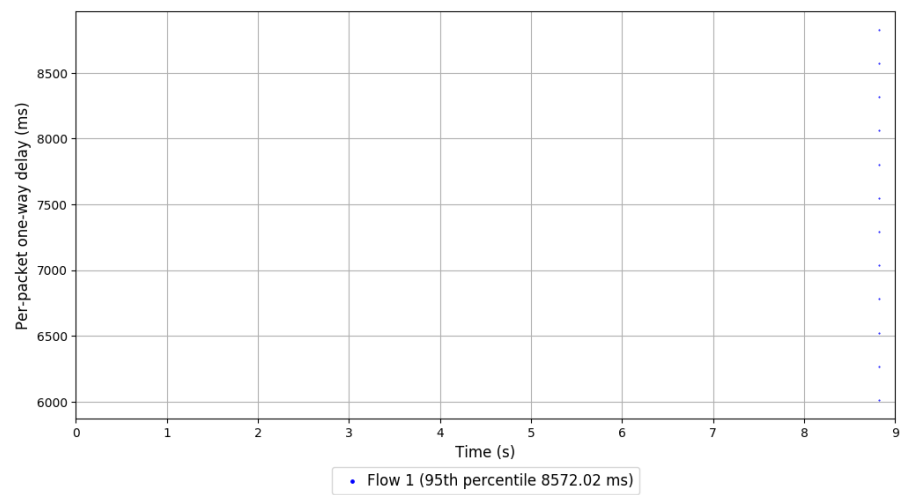
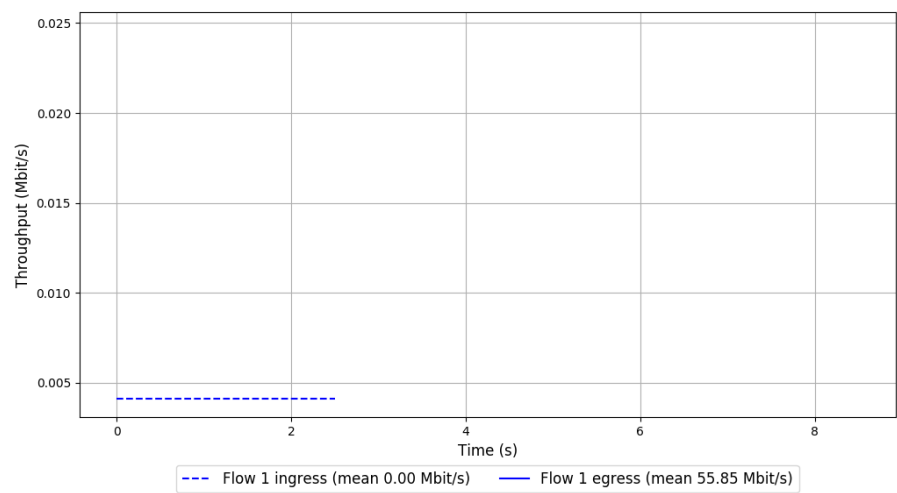
Start at: Sun, 16 Jul 2017 21:42:55 +0000

End at: Sun, 16 Jul 2017 21:43:25 +0000

Local clock offset: 0.487 ms

Remote clock offset: 1.78 ms

Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Sun, 16 Jul 2017 22:02:35 +0000

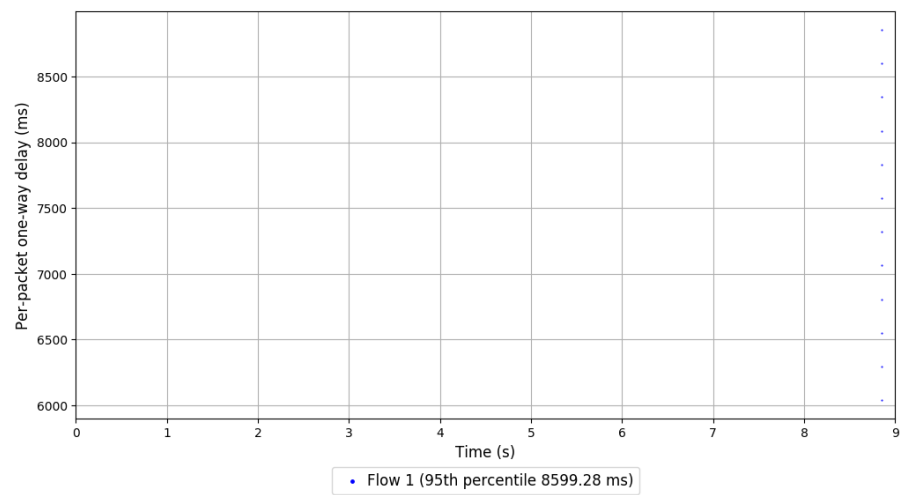
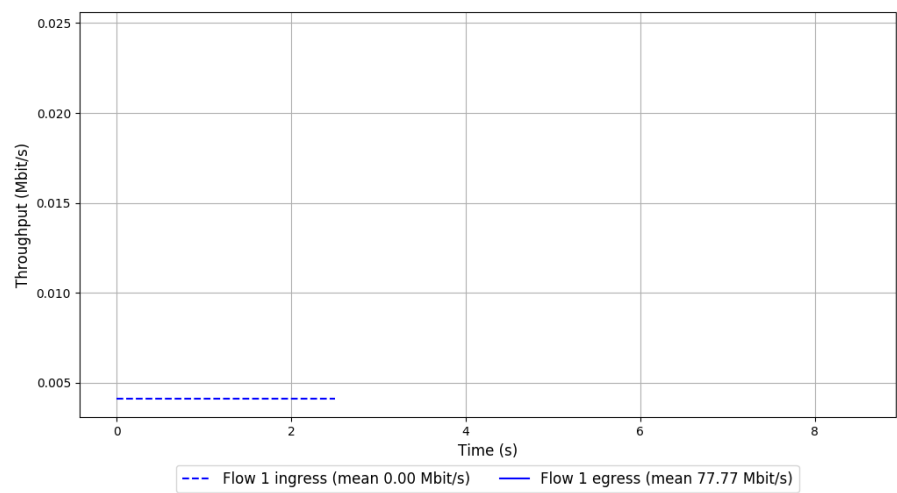
End at: Sun, 16 Jul 2017 22:03:05 +0000

Local clock offset: 0.756 ms

Remote clock offset: 1.914 ms



Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Sun, 16 Jul 2017 22:22:14 +0000

End at: Sun, 16 Jul 2017 22:22:44 +0000

Local clock offset: 0.954 ms

Remote clock offset: -0.432 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:06:52 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.90 Mbit/s

95th percentile per-packet one-way delay: 66.255 ms

Loss rate: 0.91%

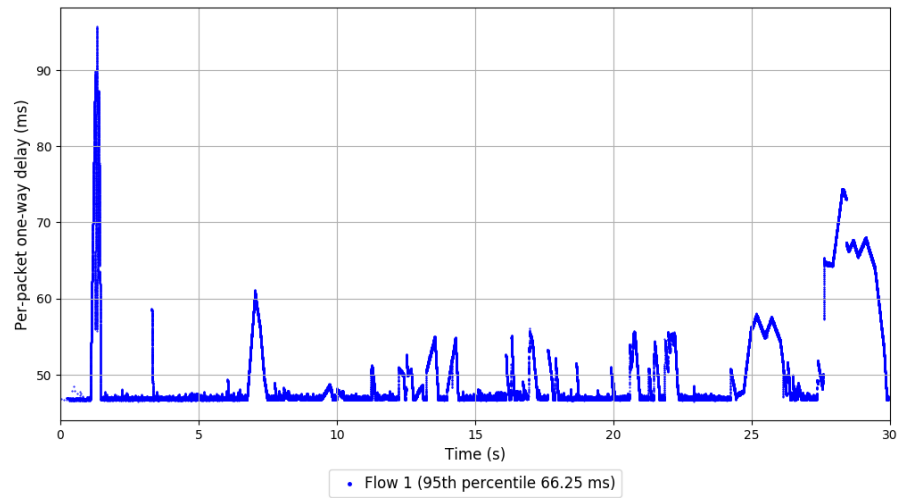
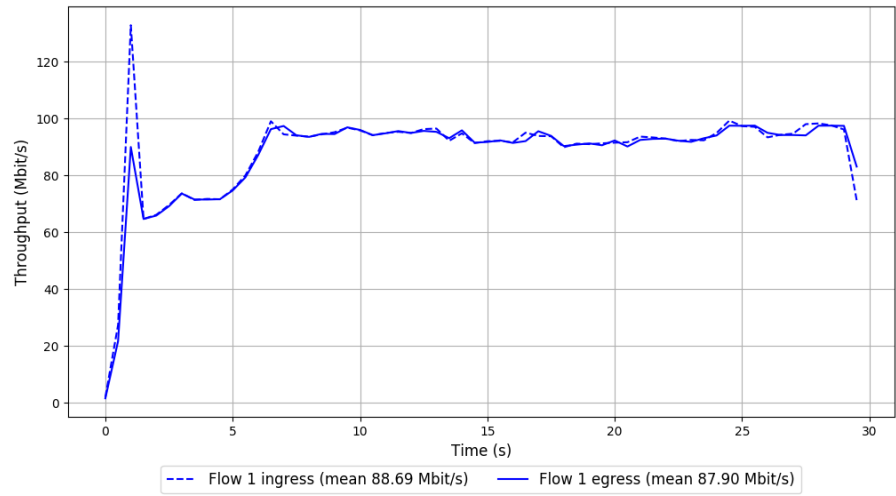
-- Flow 1:

Average throughput: 87.90 Mbit/s

95th percentile per-packet one-way delay: 66.255 ms

Loss rate: 0.91%

### Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

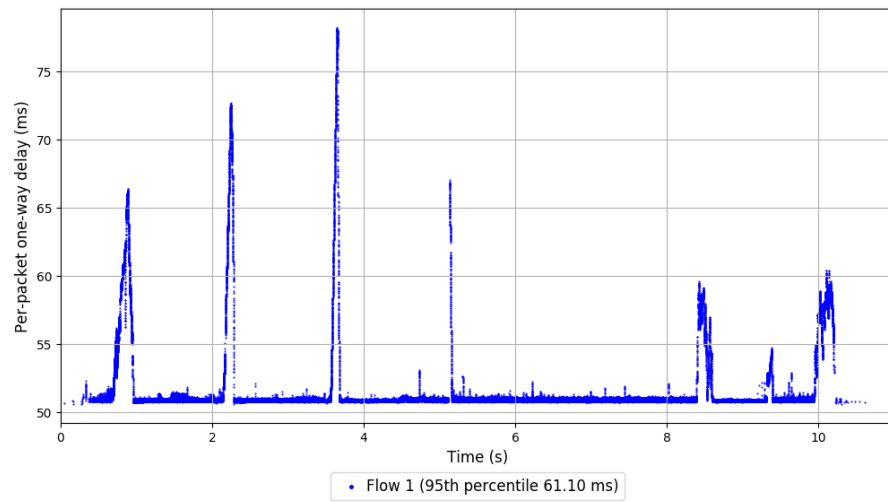
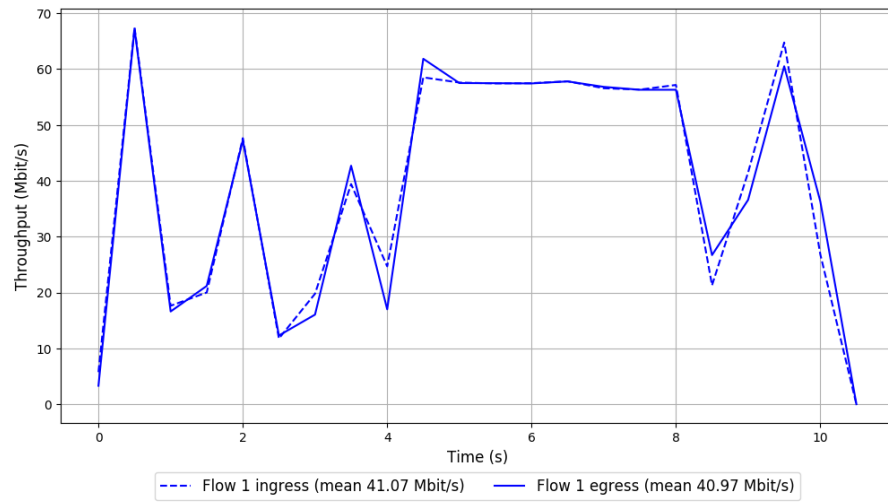
Start at: Sun, 16 Jul 2017 19:16:22 +0000

End at: Sun, 16 Jul 2017 19:16:52 +0000

Local clock offset: 0.62 ms

Remote clock offset: 0.497 ms

### Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

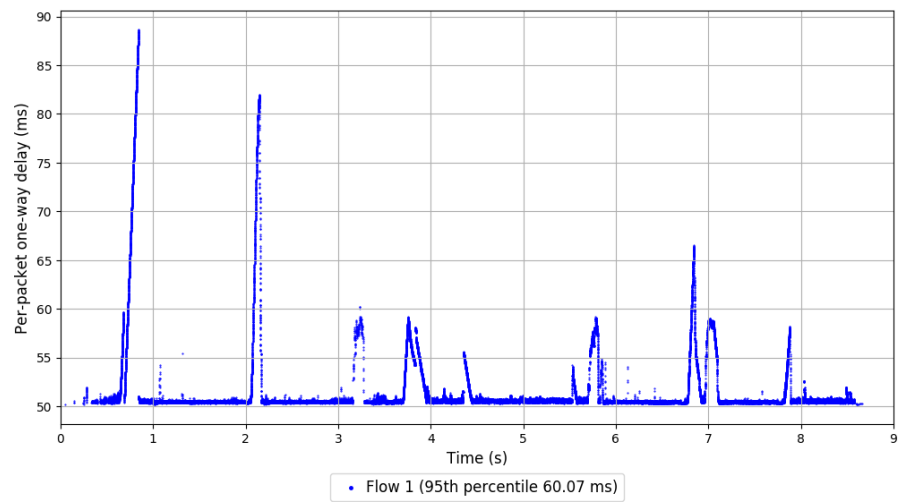
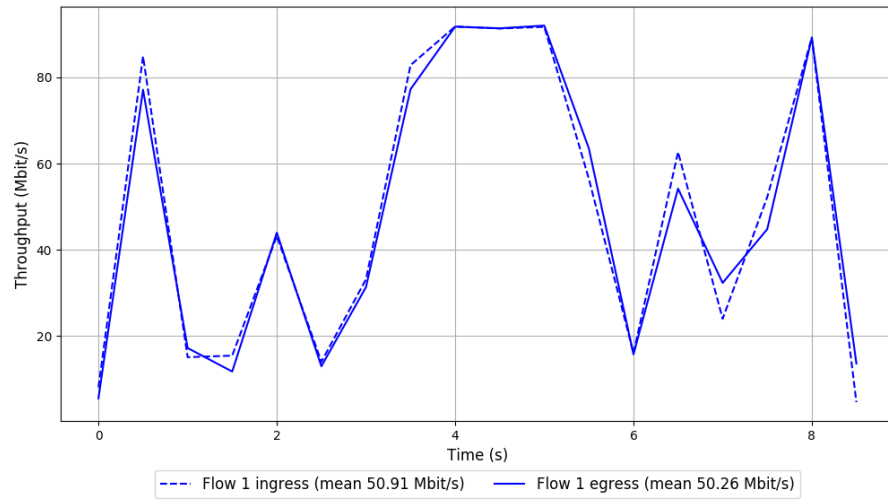
Start at: Sun, 16 Jul 2017 19:36:04 +0000

End at: Sun, 16 Jul 2017 19:36:34 +0000

Local clock offset: 0.542 ms

Remote clock offset: 0.47 ms

## Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: Sun, 16 Jul 2017 19:55:46 +0000

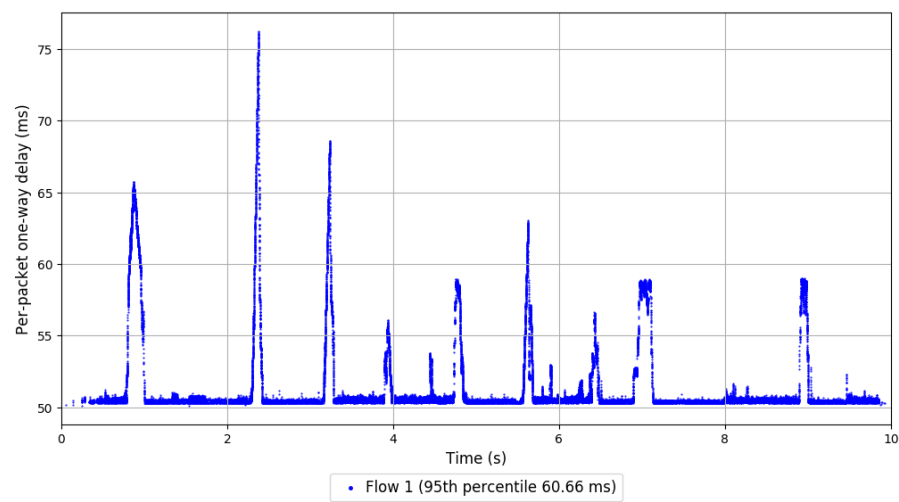
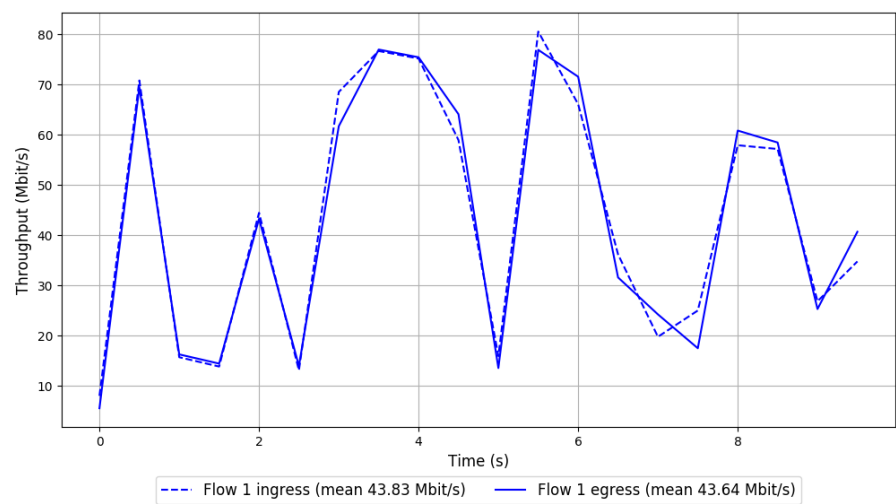
End at: Sun, 16 Jul 2017 19:56:16 +0000

Local clock offset: 0.462 ms

Remote clock offset: 0.581 ms



Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

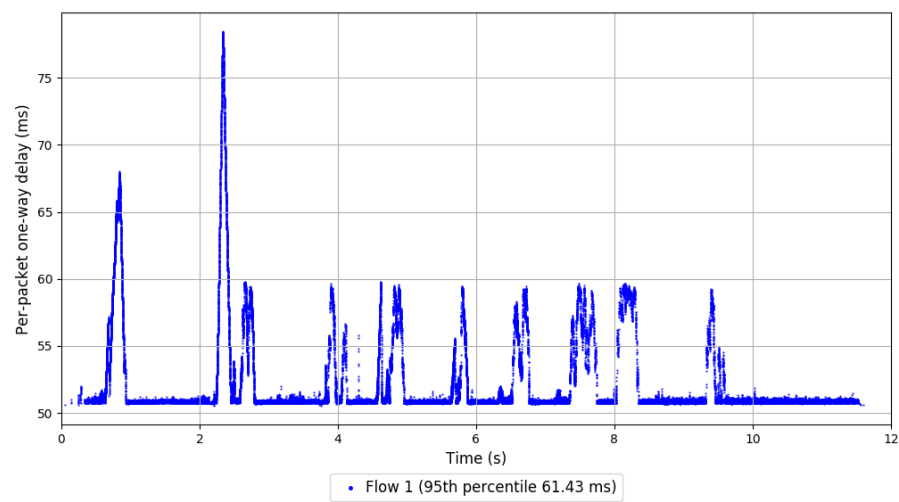
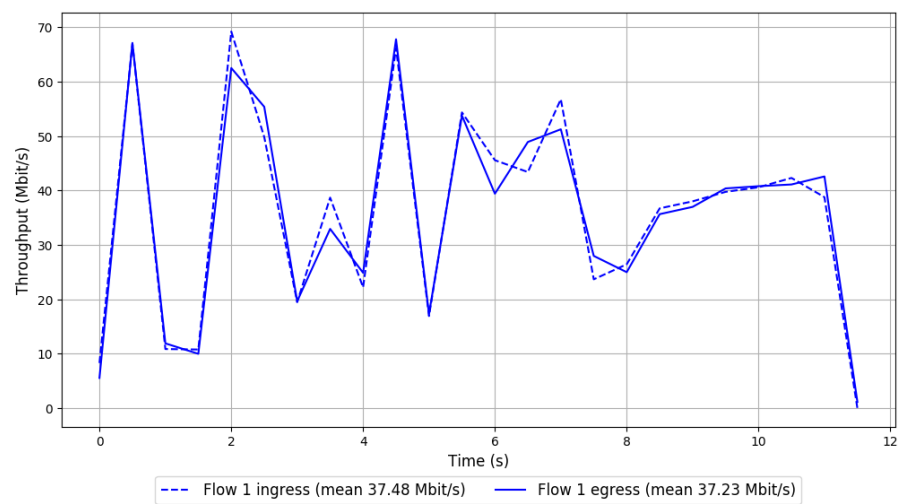
Start at: Sun, 16 Jul 2017 20:15:28 +0000

End at: Sun, 16 Jul 2017 20:15:58 +0000

Local clock offset: 0.491 ms

Remote clock offset: 1.025 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

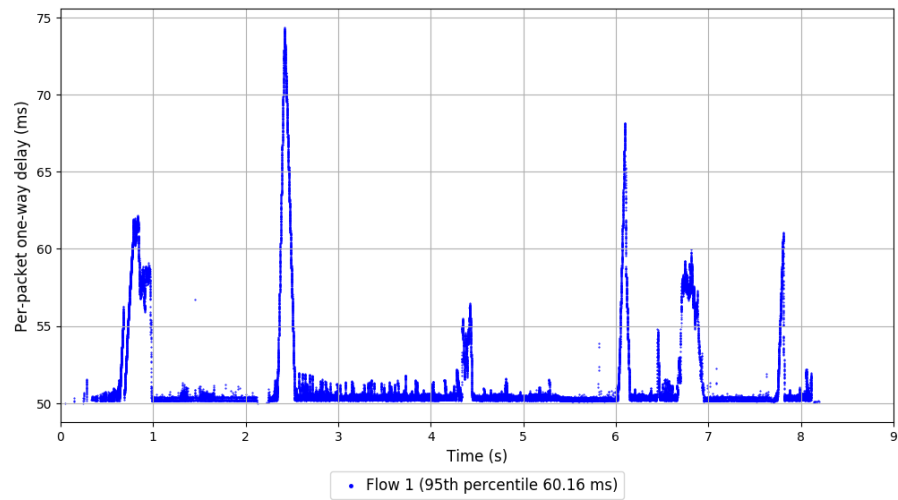
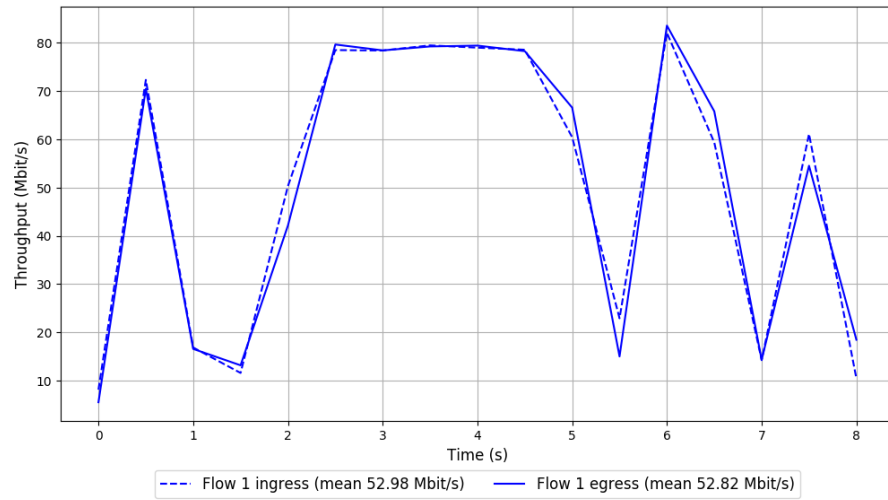
Start at: Sun, 16 Jul 2017 20:34:59 +0000

End at: Sun, 16 Jul 2017 20:35:29 +0000

Local clock offset: 0.43 ms

Remote clock offset: 0.655 ms

### Run 5: Report of QUIC Cubic — Data Link



Run 6: Statistics of QUIC Cubic

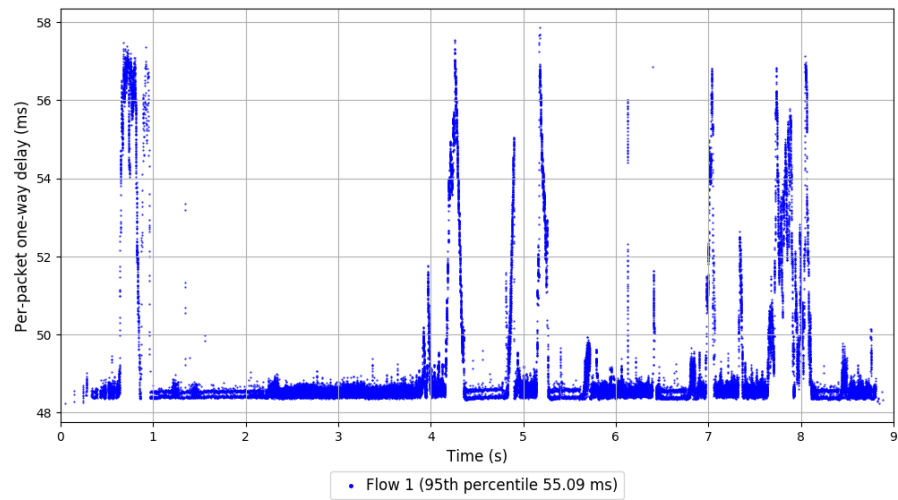
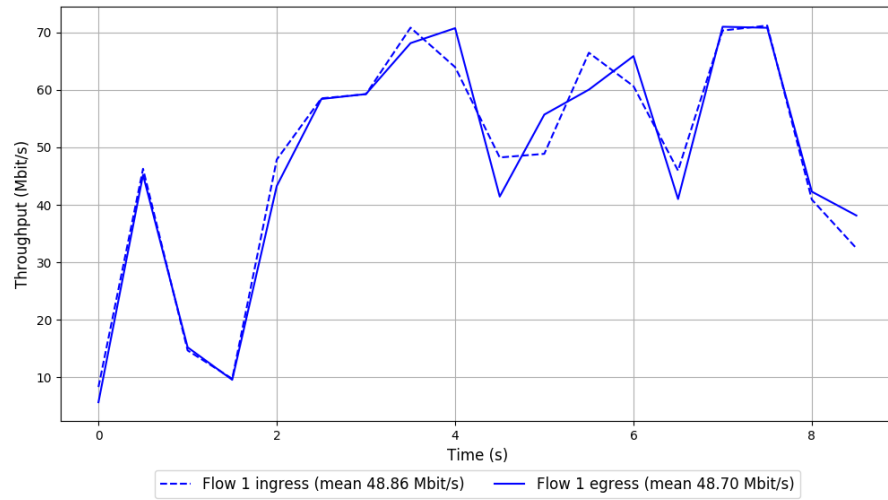
Start at: Sun, 16 Jul 2017 20:54:40 +0000

End at: Sun, 16 Jul 2017 20:55:10 +0000

Local clock offset: 0.3 ms

Remote clock offset: -0.89 ms

## Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: Sun, 16 Jul 2017 21:14:17 +0000

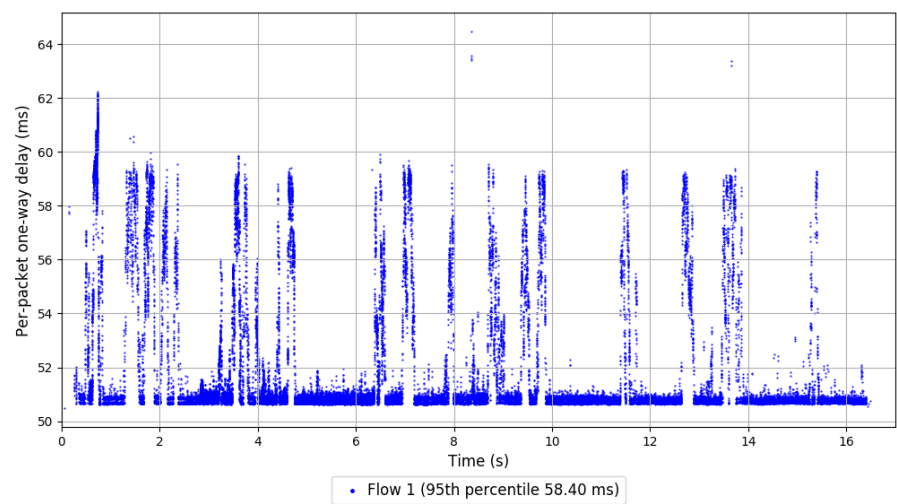
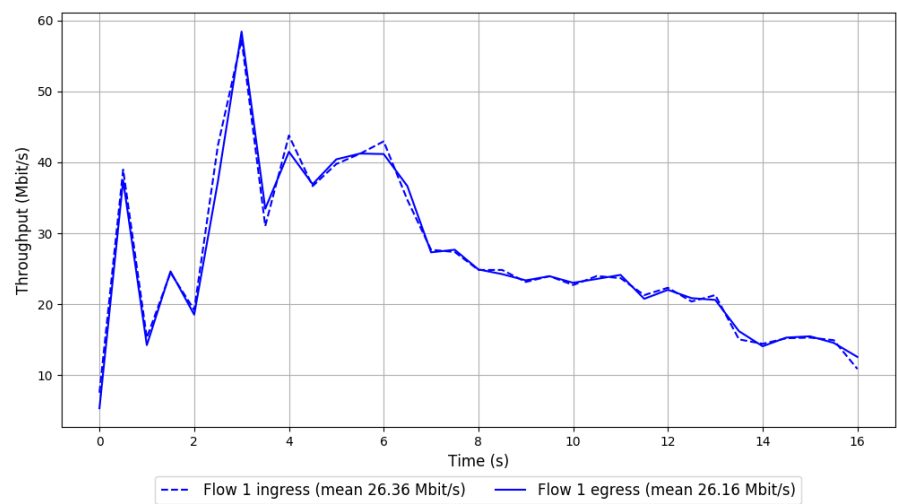
End at: Sun, 16 Jul 2017 21:14:47 +0000

Local clock offset: 0.432 ms

Remote clock offset: 1.931 ms



Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

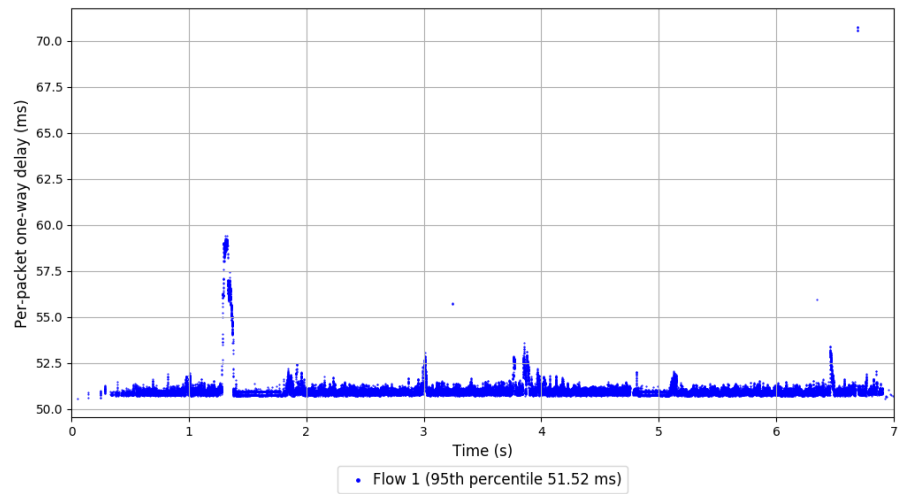
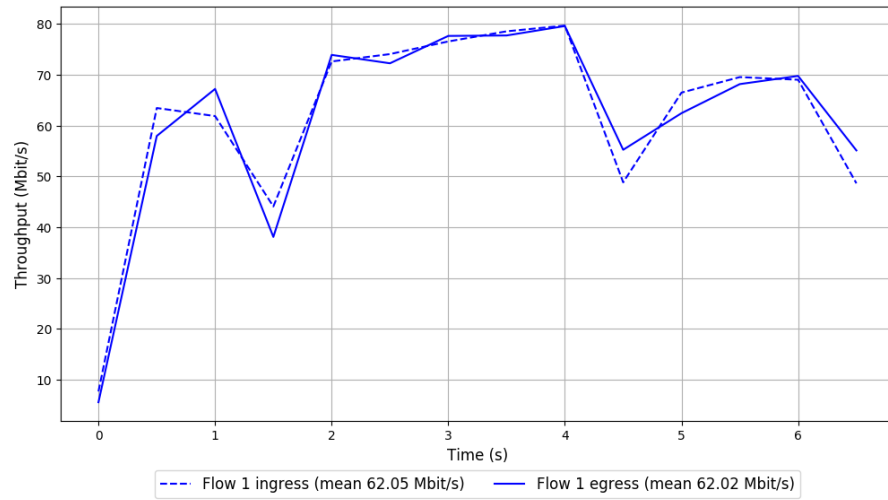
Start at: Sun, 16 Jul 2017 21:33:53 +0000

End at: Sun, 16 Jul 2017 21:34:23 +0000

Local clock offset: 0.432 ms

Remote clock offset: 2.108 ms

### Run 8: Report of QUIC Cubic — Data Link



Run 9: Statistics of QUIC Cubic

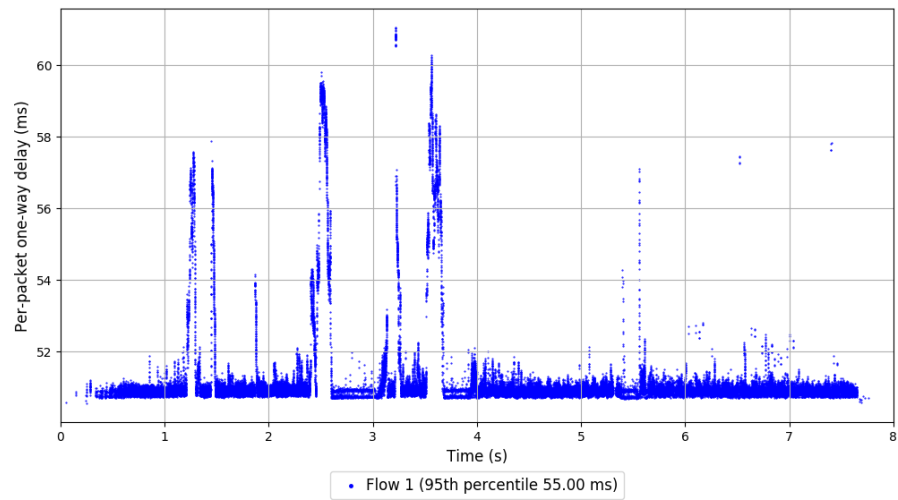
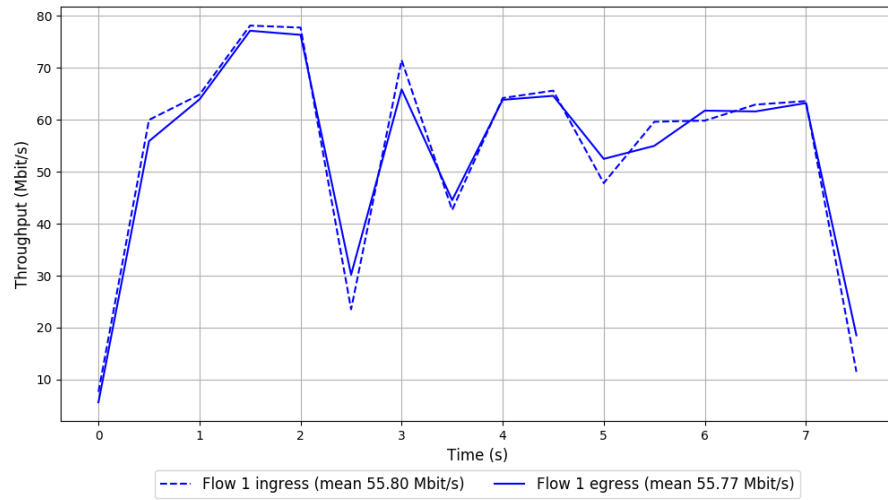
Start at: Sun, 16 Jul 2017 21:53:32 +0000

End at: Sun, 16 Jul 2017 21:54:02 +0000

Local clock offset: 0.588 ms

Remote clock offset: 2.244 ms

### Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

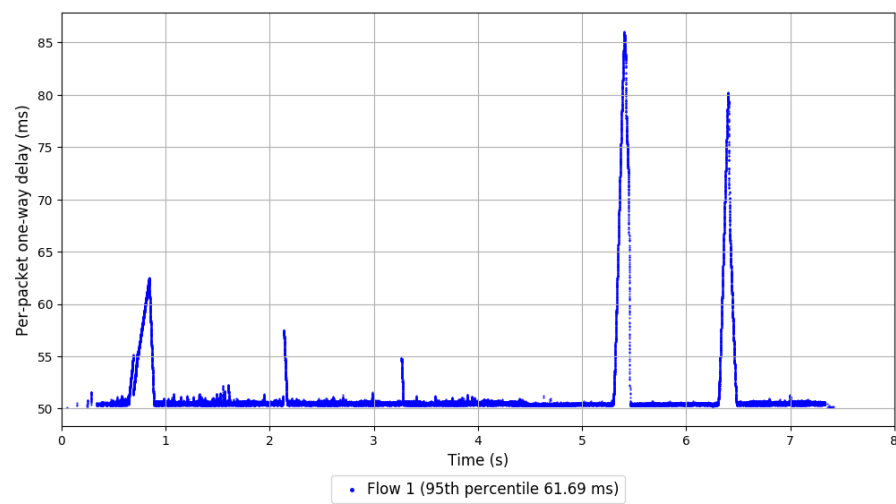
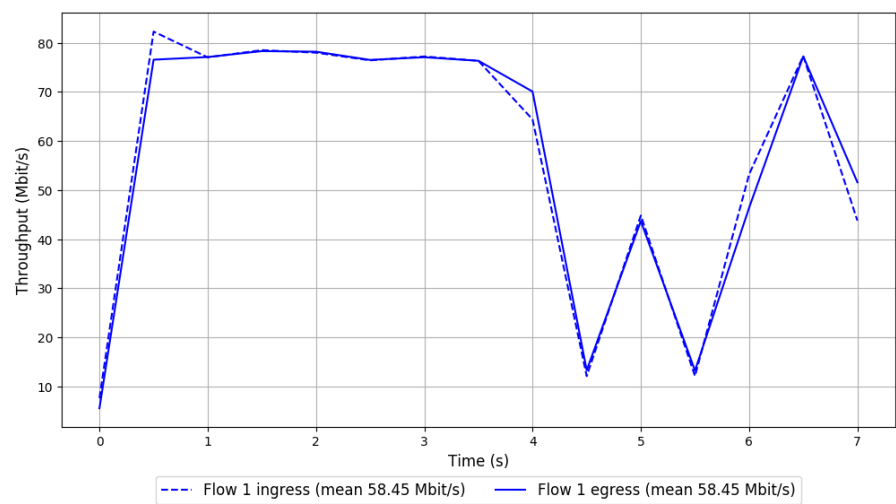
Start at: Sun, 16 Jul 2017 22:13:13 +0000

End at: Sun, 16 Jul 2017 22:13:43 +0000

Local clock offset: 0.722 ms

Remote clock offset: 1.741 ms

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Sun, 16 Jul 2017 19:17:39 +0000

End at: Sun, 16 Jul 2017 19:18:09 +0000

Local clock offset: 0.555 ms

Remote clock offset: -2.134 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:05 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 27.07 Mbit/s

95th percentile per-packet one-way delay: 48.917 ms

Loss rate: 0.00%

-- Flow 1:

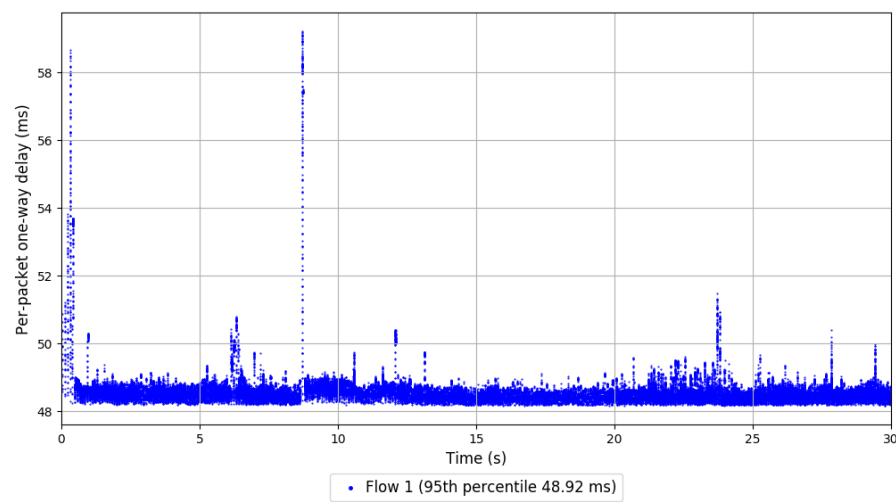
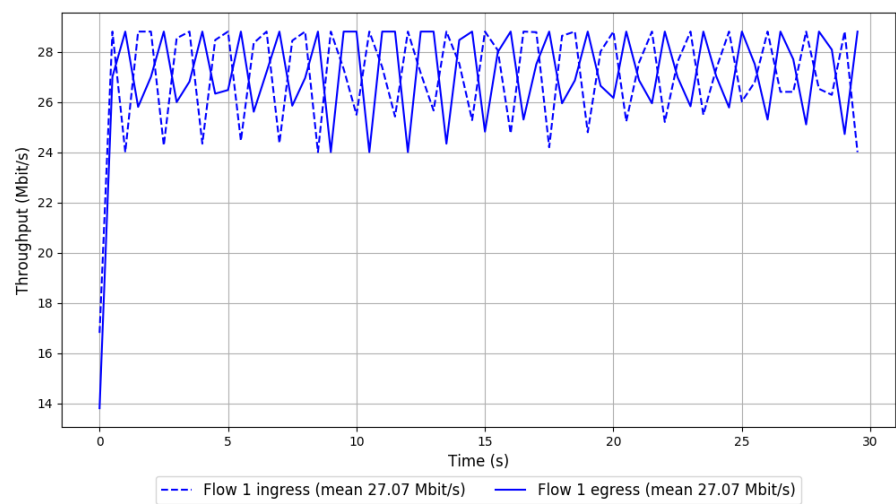
Average throughput: 27.07 Mbit/s

95th percentile per-packet one-way delay: 48.917 ms

Loss rate: 0.00%



Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Sun, 16 Jul 2017 19:37:20 +0000

End at: Sun, 16 Jul 2017 19:37:50 +0000

Local clock offset: 0.623 ms

Remote clock offset: -1.637 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:05 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 27.20 Mbit/s

95th percentile per-packet one-way delay: 48.808 ms

Loss rate: 0.07%

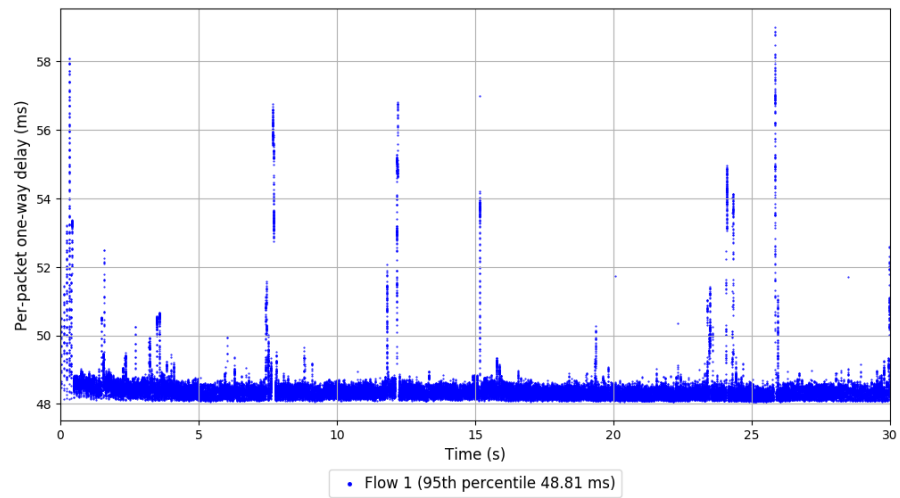
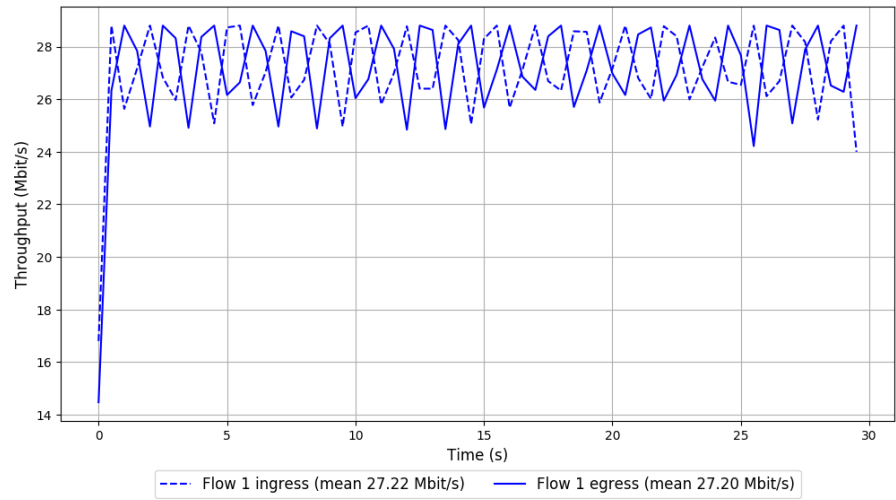
-- Flow 1:

Average throughput: 27.20 Mbit/s

95th percentile per-packet one-way delay: 48.808 ms

Loss rate: 0.07%

## Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Sun, 16 Jul 2017 19:57:03 +0000

End at: Sun, 16 Jul 2017 19:57:33 +0000

Local clock offset: 0.555 ms

Remote clock offset: 1.057 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:09 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 26.90 Mbit/s

95th percentile per-packet one-way delay: 53.921 ms

Loss rate: 0.16%

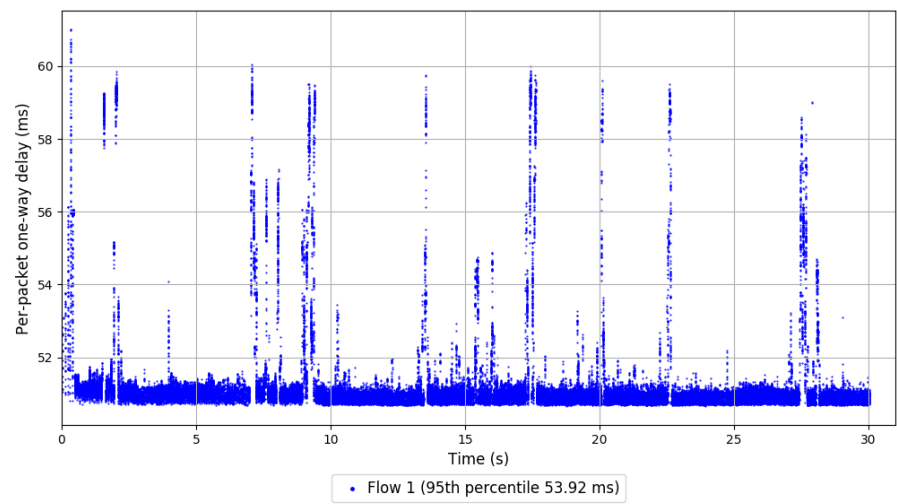
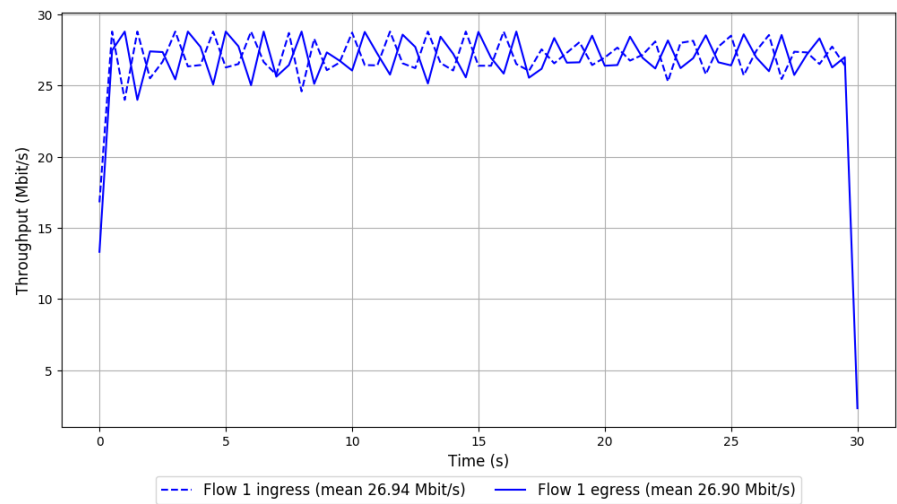
-- Flow 1:

Average throughput: 26.90 Mbit/s

95th percentile per-packet one-way delay: 53.921 ms

Loss rate: 0.16%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Sun, 16 Jul 2017 20:16:44 +0000

End at: Sun, 16 Jul 2017 20:17:14 +0000

Local clock offset: 0.38 ms

Remote clock offset: 0.937 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:10 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 26.94 Mbit/s

95th percentile per-packet one-way delay: 53.991 ms

Loss rate: 0.17%

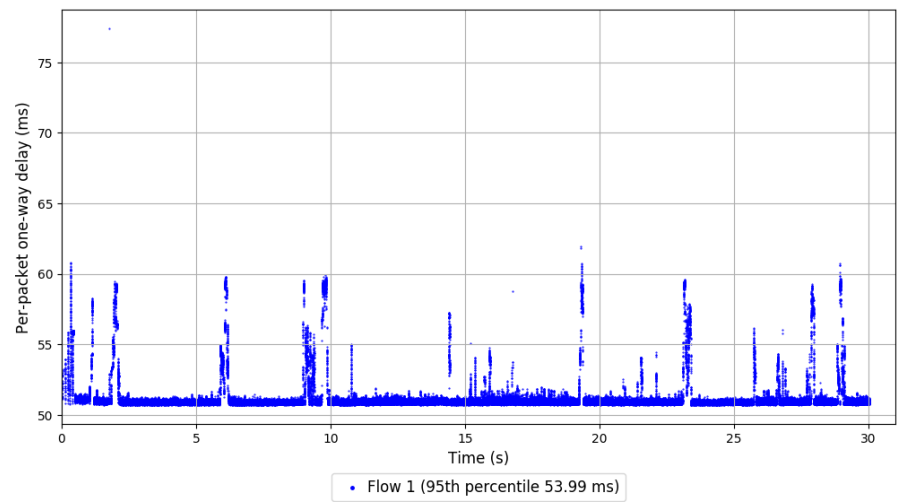
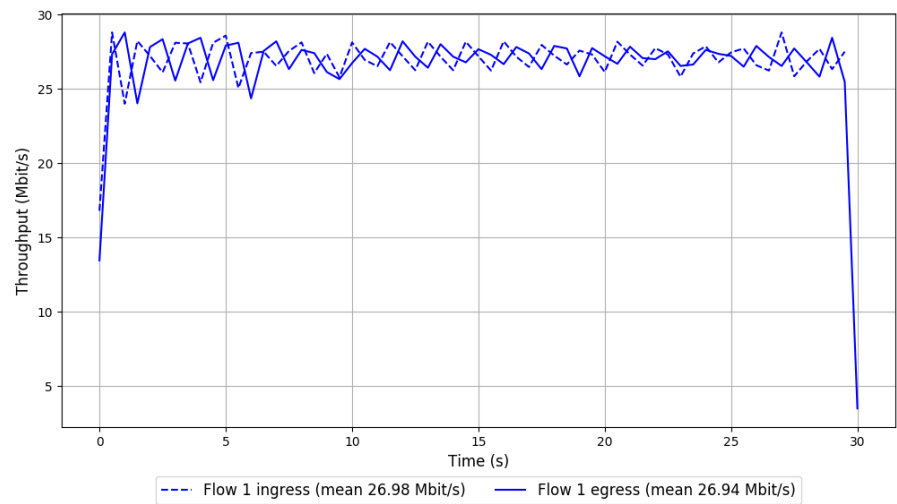
-- Flow 1:

Average throughput: 26.94 Mbit/s

95th percentile per-packet one-way delay: 53.991 ms

Loss rate: 0.17%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Sun, 16 Jul 2017 20:36:16 +0000

End at: Sun, 16 Jul 2017 20:36:46 +0000

Local clock offset: 0.323 ms

Remote clock offset: 1.209 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:14 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 27.07 Mbit/s

95th percentile per-packet one-way delay: 51.491 ms

Loss rate: 0.00%

-- Flow 1:

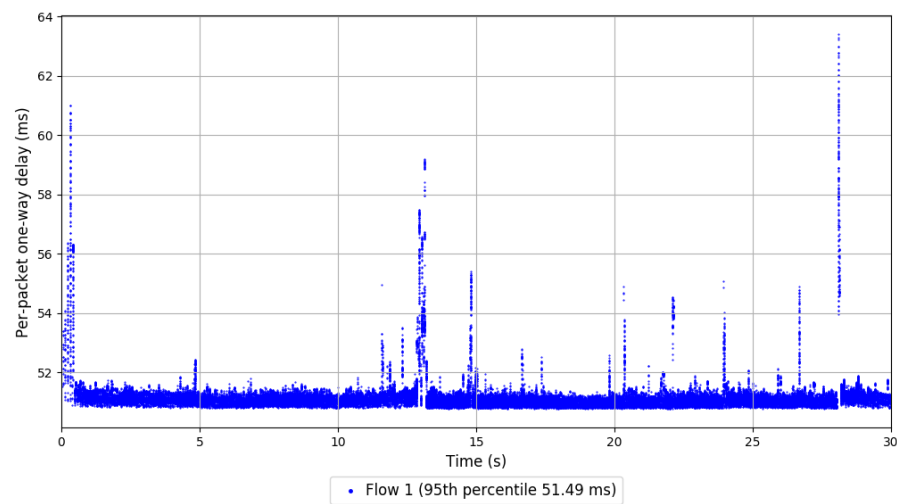
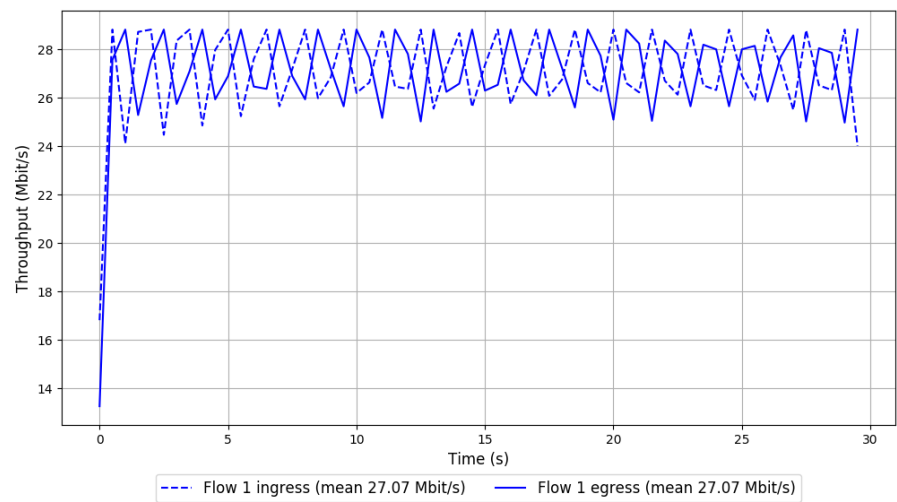
Average throughput: 27.07 Mbit/s

95th percentile per-packet one-way delay: 51.491 ms

Loss rate: 0.00%



Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Sun, 16 Jul 2017 20:55:57 +0000

End at: Sun, 16 Jul 2017 20:56:27 +0000

Local clock offset: 0.401 ms

Remote clock offset: 1.142 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:14 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 26.78 Mbit/s

95th percentile per-packet one-way delay: 55.604 ms

Loss rate: 0.29%

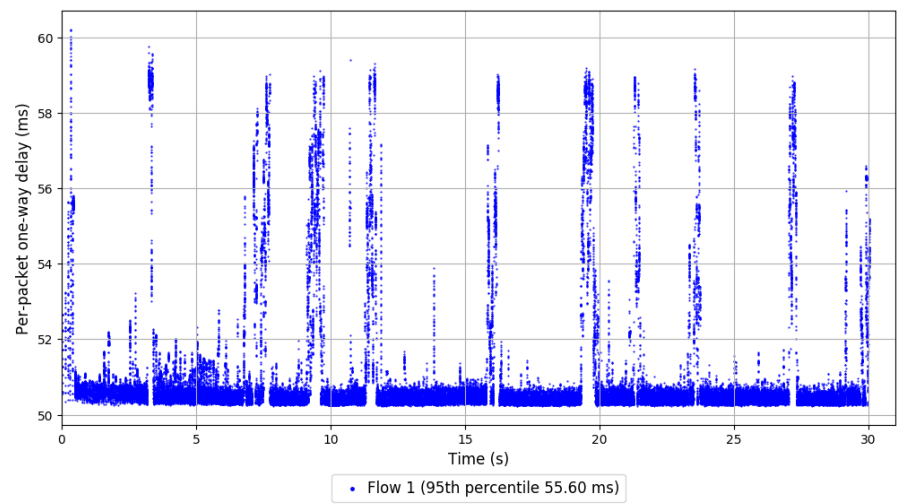
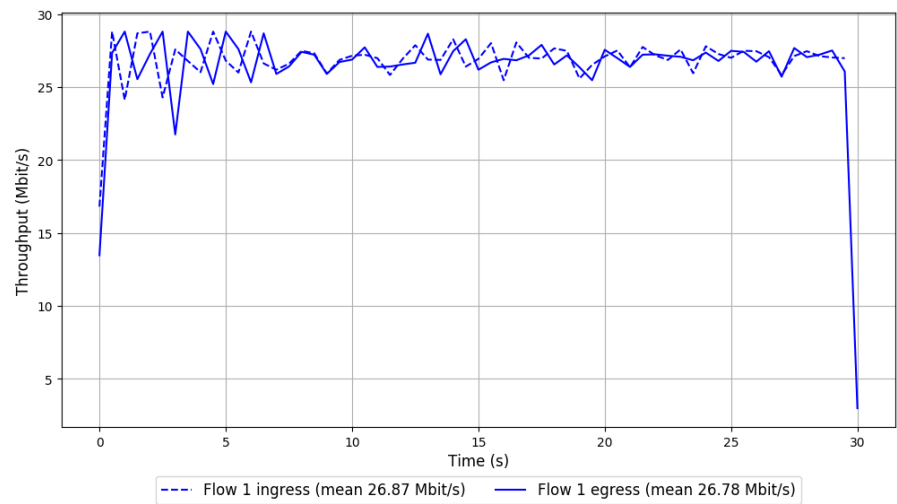
-- Flow 1:

Average throughput: 26.78 Mbit/s

95th percentile per-packet one-way delay: 55.604 ms

Loss rate: 0.29%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Sun, 16 Jul 2017 21:15:34 +0000

End at: Sun, 16 Jul 2017 21:16:04 +0000

Local clock offset: 0.451 ms

Remote clock offset: 1.95 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:18 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 26.43 Mbit/s

95th percentile per-packet one-way delay: 58.019 ms

Loss rate: 0.68%

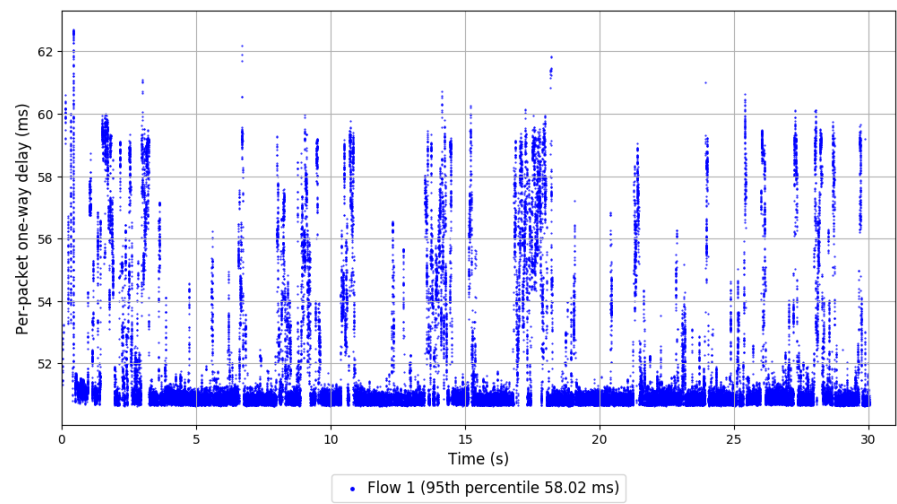
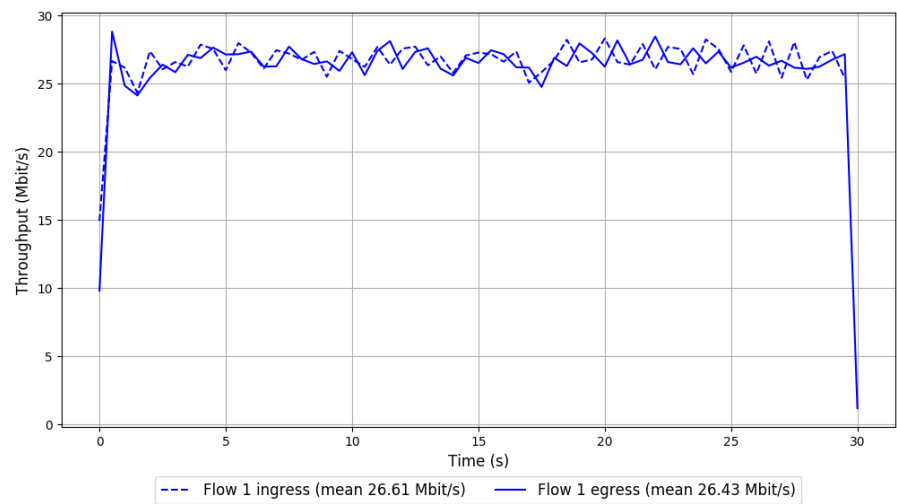
-- Flow 1:

Average throughput: 26.43 Mbit/s

95th percentile per-packet one-way delay: 58.019 ms

Loss rate: 0.68%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Sun, 16 Jul 2017 21:35:09 +0000

End at: Sun, 16 Jul 2017 21:35:39 +0000

Local clock offset: 0.42 ms

Remote clock offset: 2.341 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:19 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 27.11 Mbit/s

95th percentile per-packet one-way delay: 52.676 ms

Loss rate: 0.17%

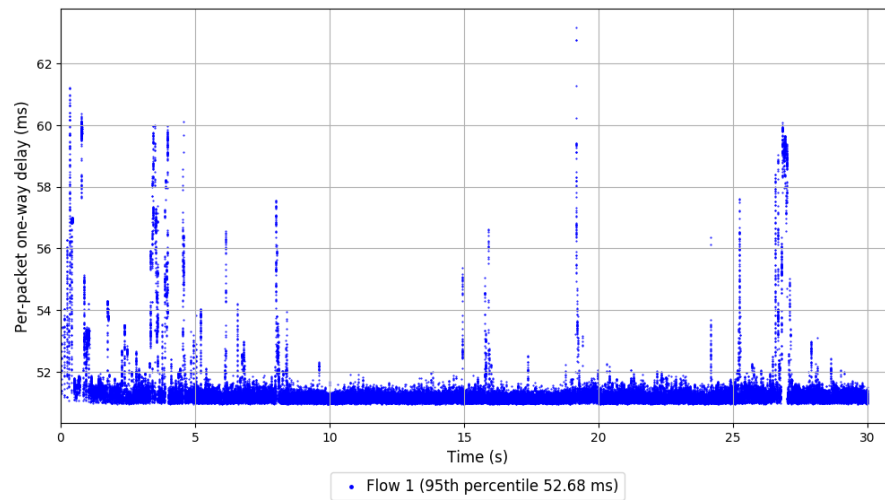
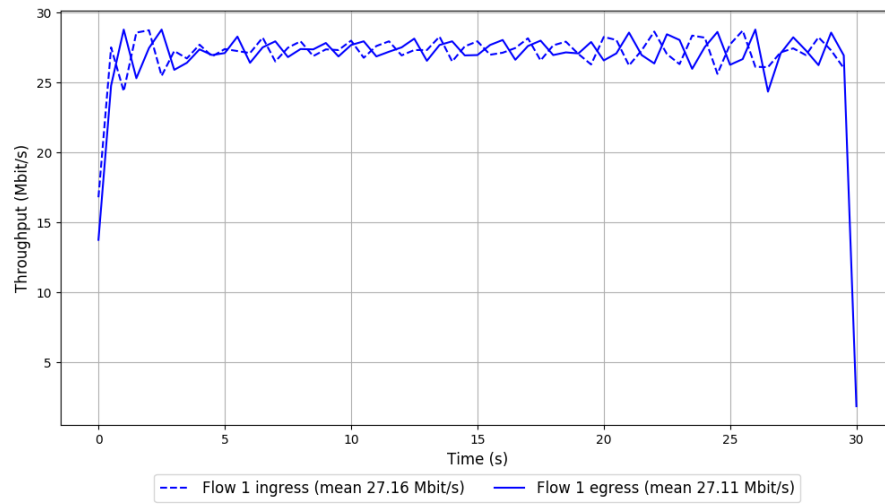
-- Flow 1:

Average throughput: 27.11 Mbit/s

95th percentile per-packet one-way delay: 52.676 ms

Loss rate: 0.17%

### Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Sun, 16 Jul 2017 21:54:48 +0000

End at: Sun, 16 Jul 2017 21:55:18 +0000

Local clock offset: 0.717 ms

Remote clock offset: -0.237 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:23 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 26.92 Mbit/s

95th percentile per-packet one-way delay: 49.605 ms

Loss rate: 0.22%

-- Flow 1:

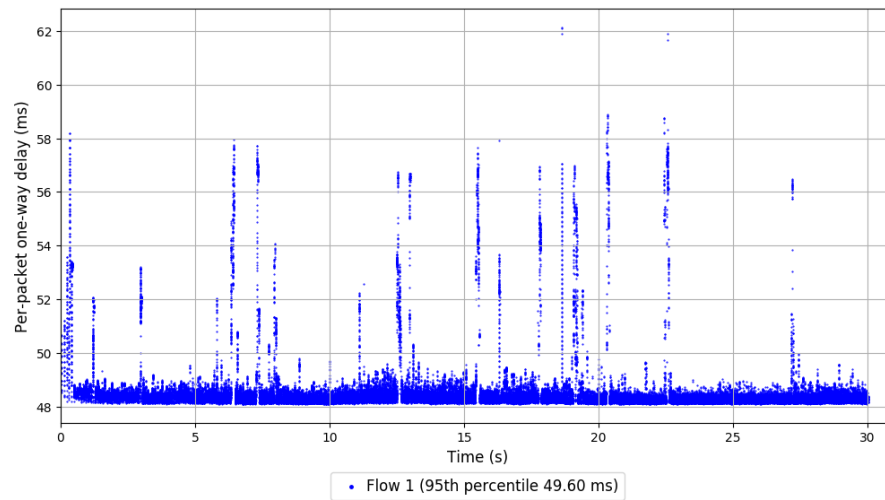
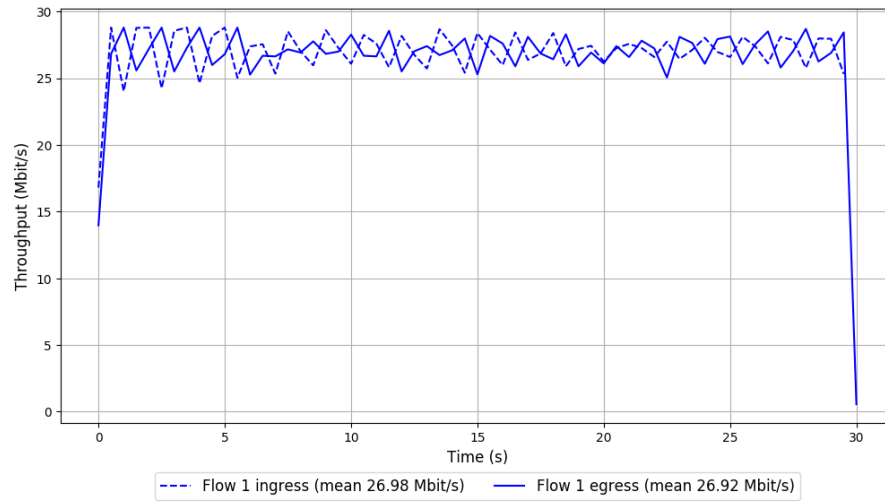
Average throughput: 26.92 Mbit/s

95th percentile per-packet one-way delay: 49.605 ms

Loss rate: 0.22%



### Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Sun, 16 Jul 2017 22:14:30 +0000

End at: Sun, 16 Jul 2017 22:15:00 +0000

Local clock offset: 0.75 ms

Remote clock offset: 2.3 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:24 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 27.06 Mbit/s

95th percentile per-packet one-way delay: 51.537 ms

Loss rate: 0.00%

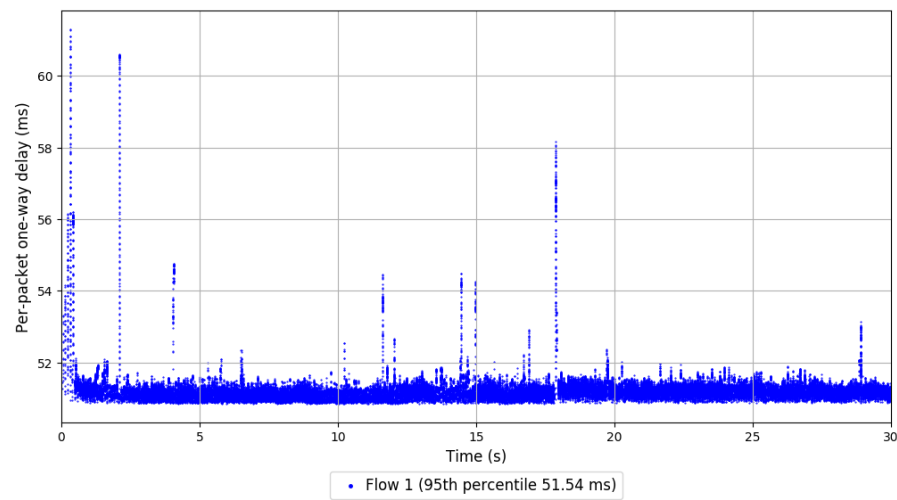
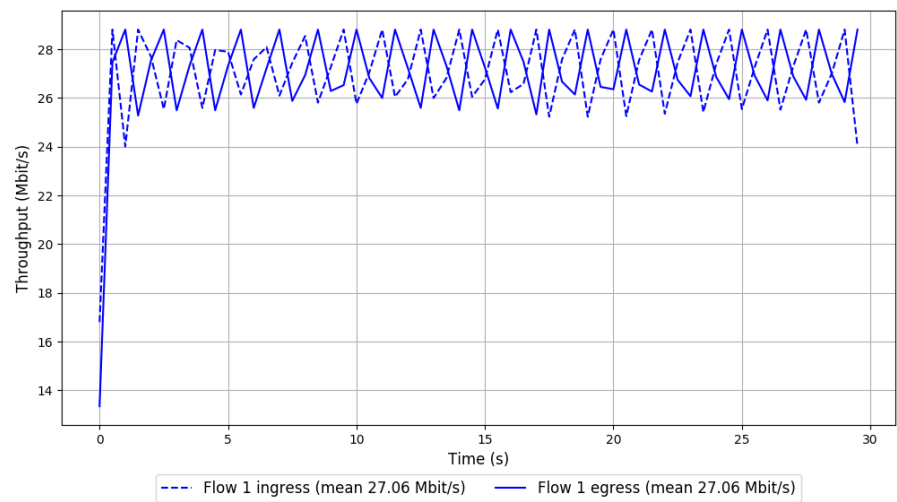
-- Flow 1:

Average throughput: 27.06 Mbit/s

95th percentile per-packet one-way delay: 51.537 ms

Loss rate: 0.00%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 19:24:12 +0000

End at: Sun, 16 Jul 2017 19:24:42 +0000

Local clock offset: 0.615 ms

Remote clock offset: -1.82 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:24 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.262 ms

Loss rate: 0.00%

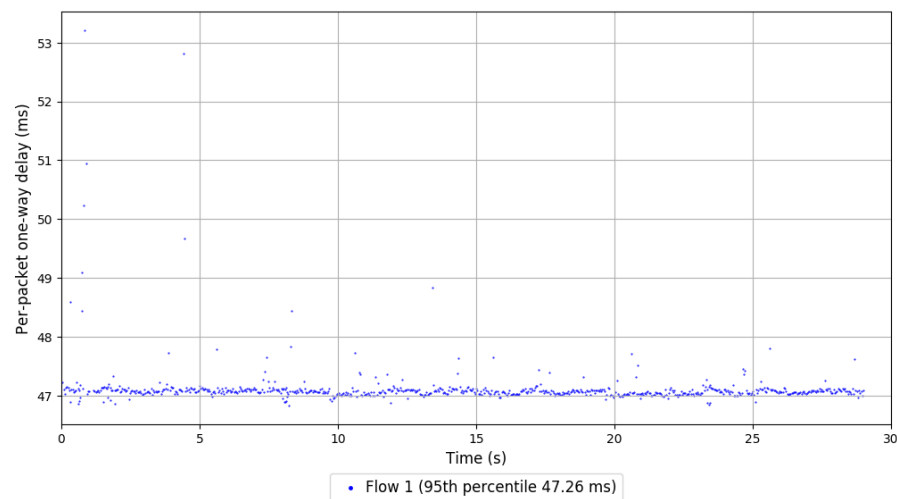
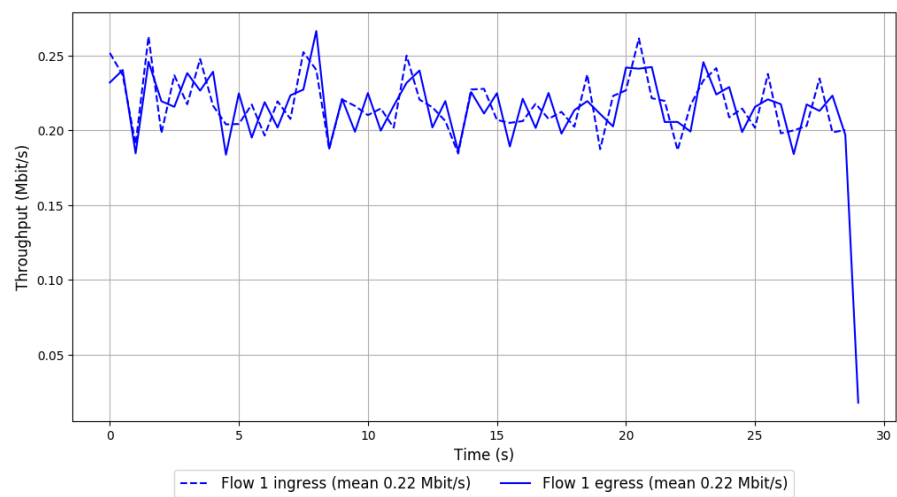
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.262 ms

Loss rate: 0.00%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 19:43:53 +0000

End at: Sun, 16 Jul 2017 19:44:23 +0000

Local clock offset: 0.531 ms

Remote clock offset: -1.476 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:24 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 48.711 ms

Loss rate: 0.00%

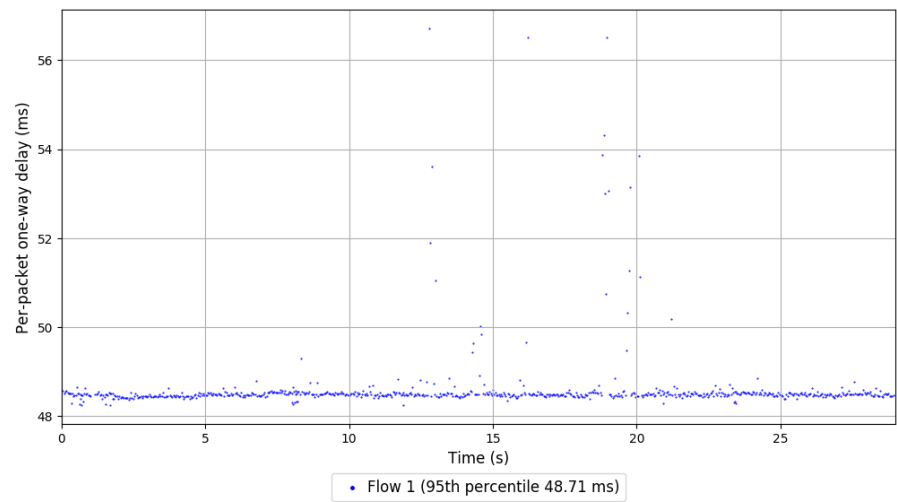
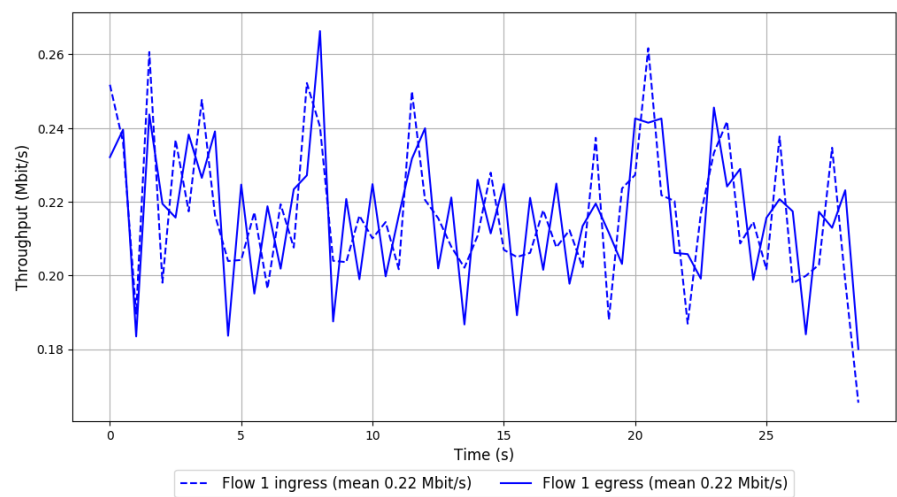
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 48.711 ms

Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 20:03:35 +0000

End at: Sun, 16 Jul 2017 20:04:05 +0000

Local clock offset: 0.548 ms

Remote clock offset: 1.015 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:25 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.156 ms

Loss rate: 0.00%

-- Flow 1:

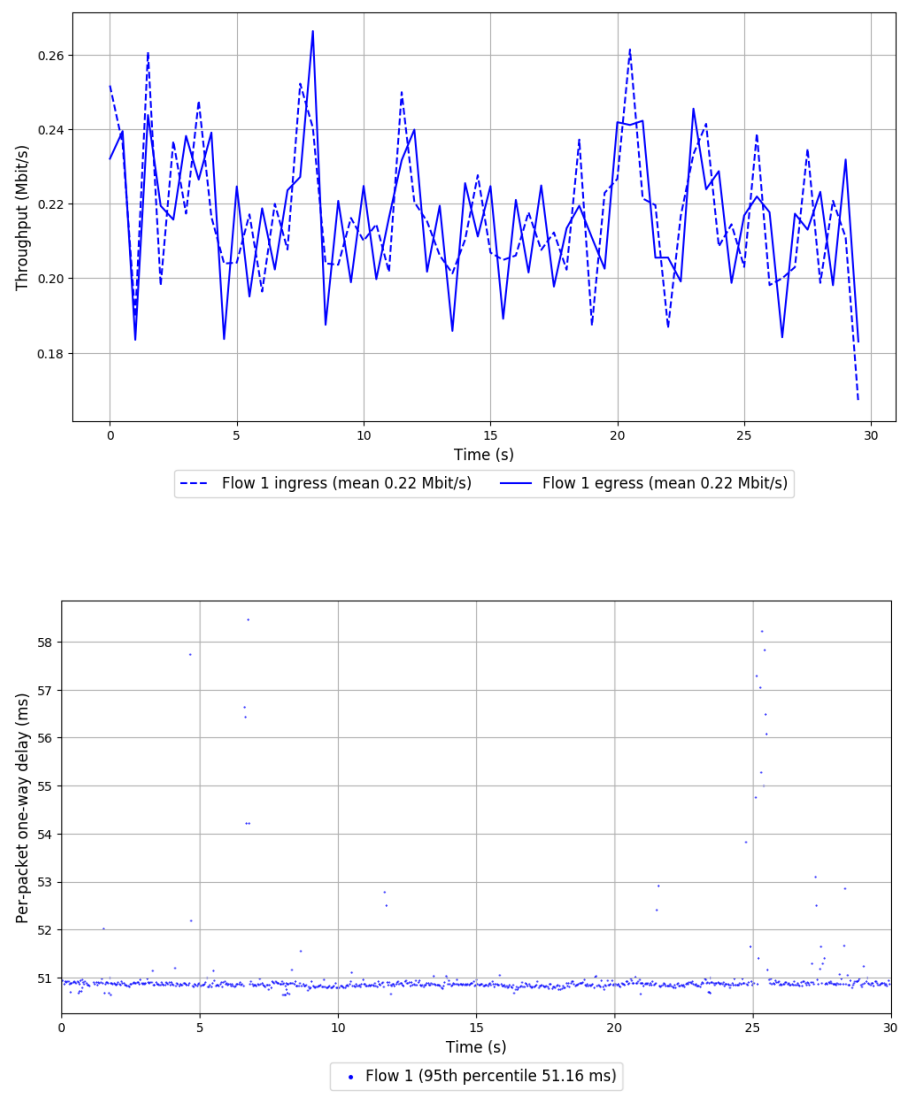
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.156 ms

Loss rate: 0.00%



Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 20:23:13 +0000

End at: Sun, 16 Jul 2017 20:23:43 +0000

Local clock offset: 0.425 ms

Remote clock offset: -1.4 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:25 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.420 ms

Loss rate: 0.00%

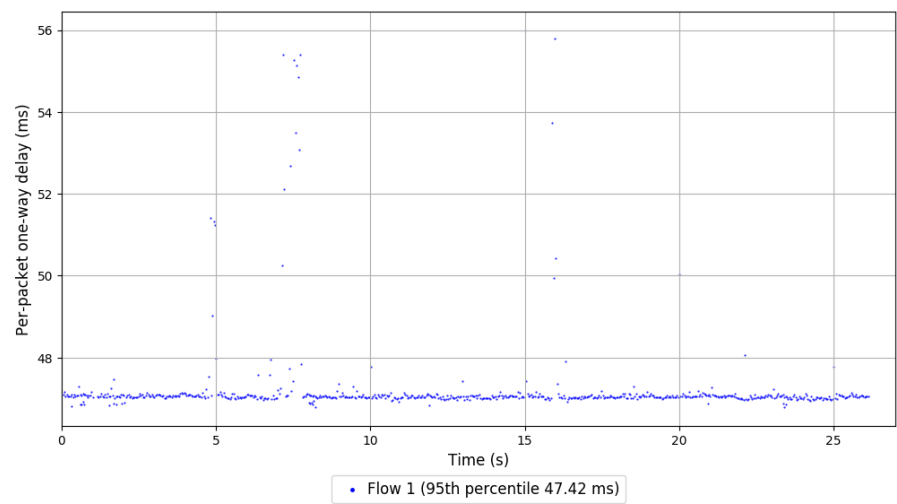
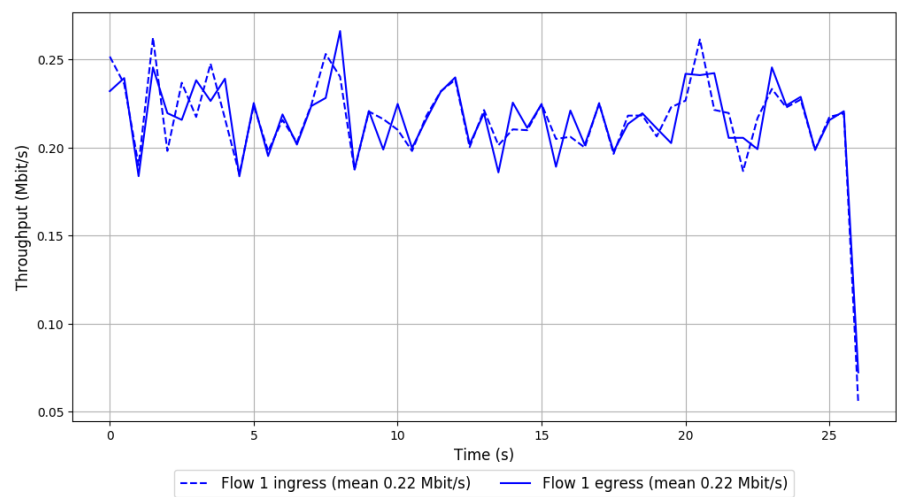
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 47.420 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 20:42:46 +0000

End at: Sun, 16 Jul 2017 20:43:16 +0000

Local clock offset: 0.419 ms

Remote clock offset: 0.887 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:26 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.610 ms

Loss rate: 0.00%

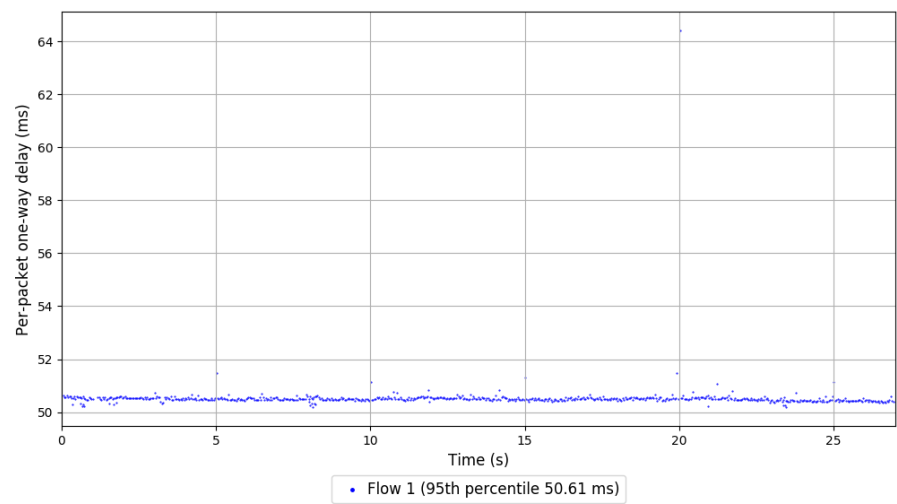
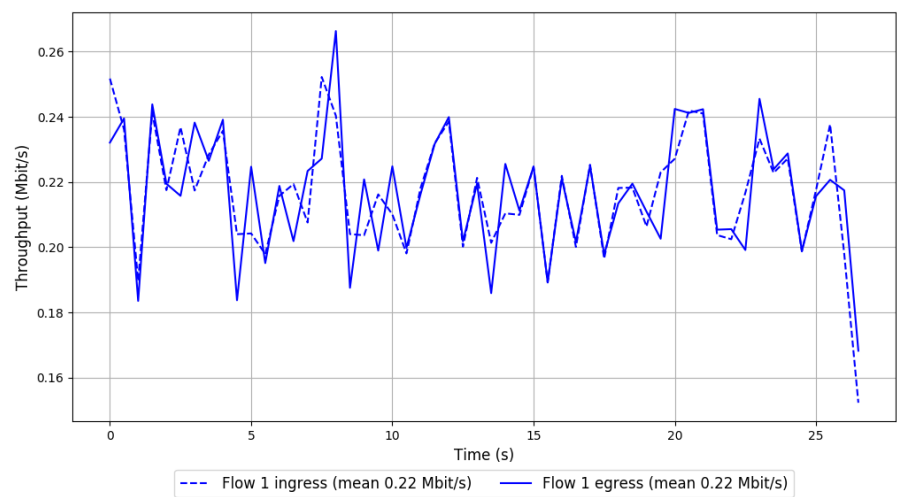
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 50.610 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 21:02:26 +0000

End at: Sun, 16 Jul 2017 21:02:56 +0000

Local clock offset: 0.298 ms

Remote clock offset: 1.246 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:27 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 51.398 ms

Loss rate: 0.54%

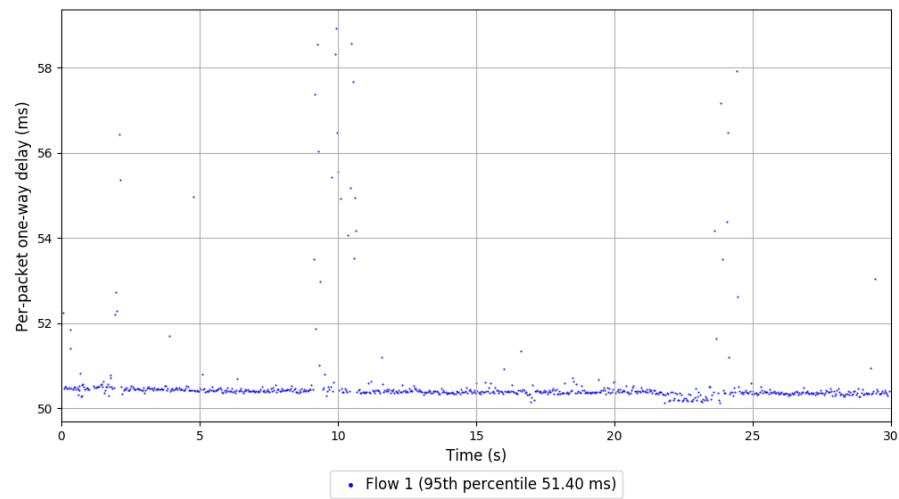
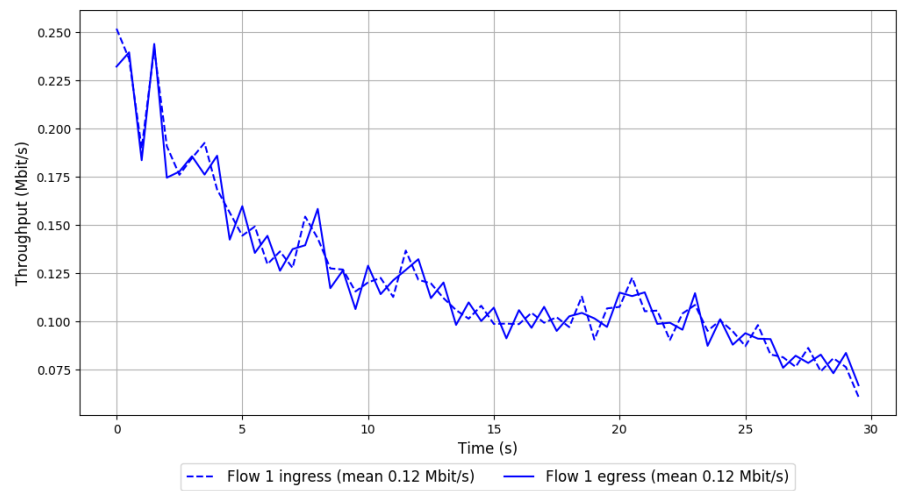
-- Flow 1:

Average throughput: 0.12 Mbit/s

95th percentile per-packet one-way delay: 51.398 ms

Loss rate: 0.54%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 21:22:02 +0000

End at: Sun, 16 Jul 2017 21:22:32 +0000

Local clock offset: 0.367 ms

Remote clock offset: -0.326 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:27 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 49.427 ms

Loss rate: 0.43%

-- Flow 1:

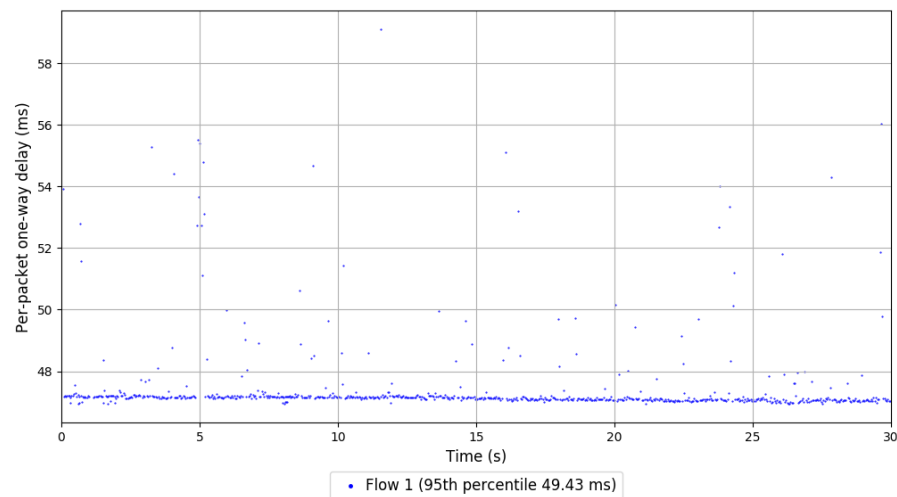
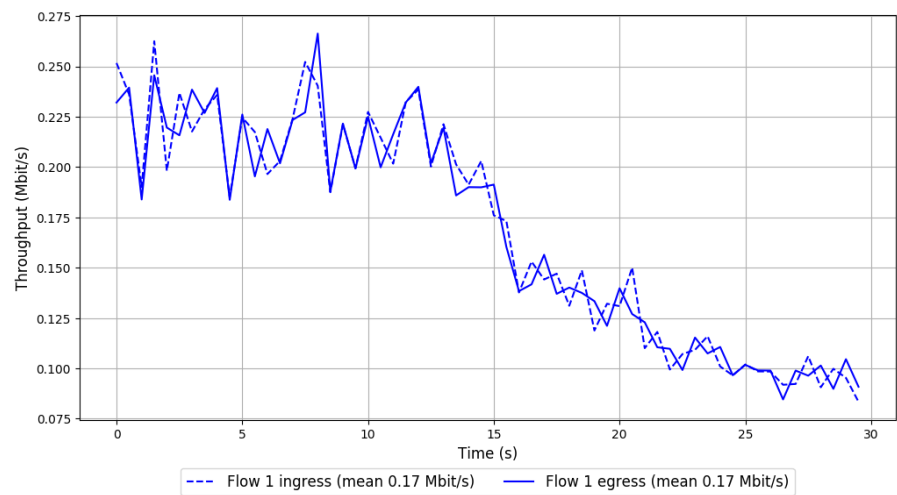
Average throughput: 0.17 Mbit/s

95th percentile per-packet one-way delay: 49.427 ms

Loss rate: 0.43%



Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 21:41:39 +0000

End at: Sun, 16 Jul 2017 21:42:09 +0000

Local clock offset: 0.457 ms

Remote clock offset: 2.174 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:28 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.165 ms

Loss rate: 0.00%

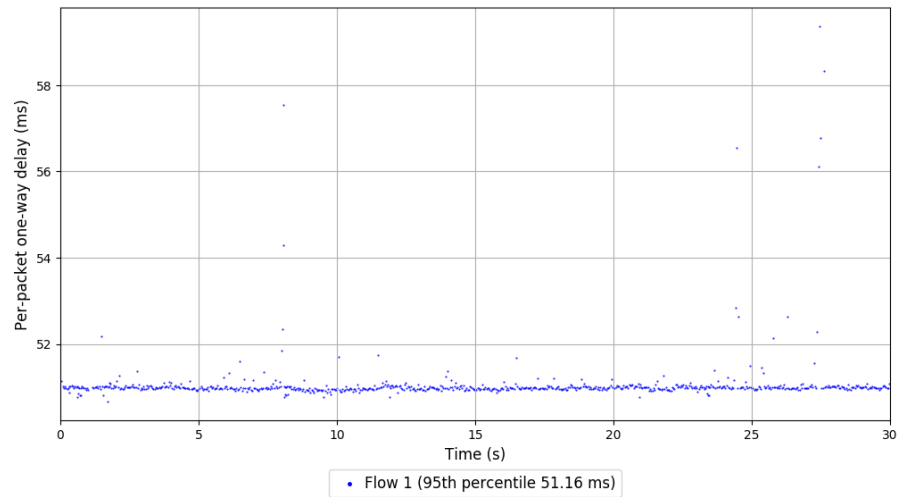
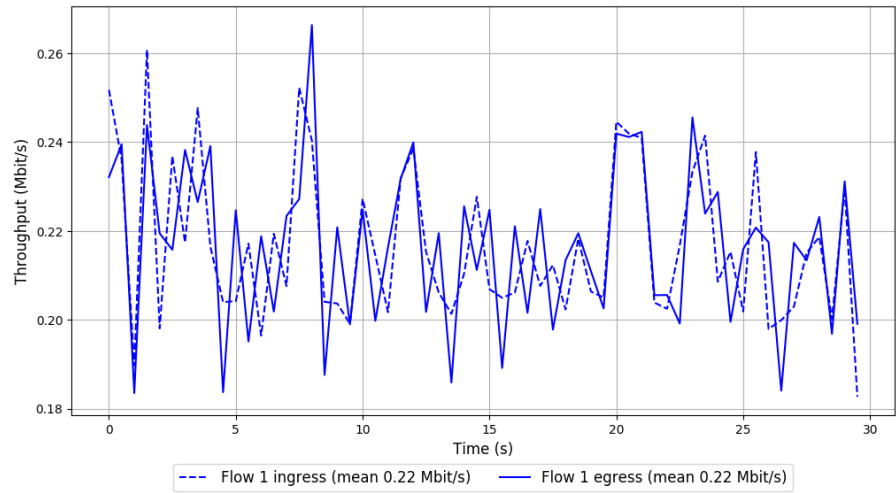
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.165 ms

Loss rate: 0.00%

## Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 22:01:19 +0000

End at: Sun, 16 Jul 2017 22:01:49 +0000

Local clock offset: 0.671 ms

Remote clock offset: 2.424 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:28 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.107 ms

Loss rate: 0.00%

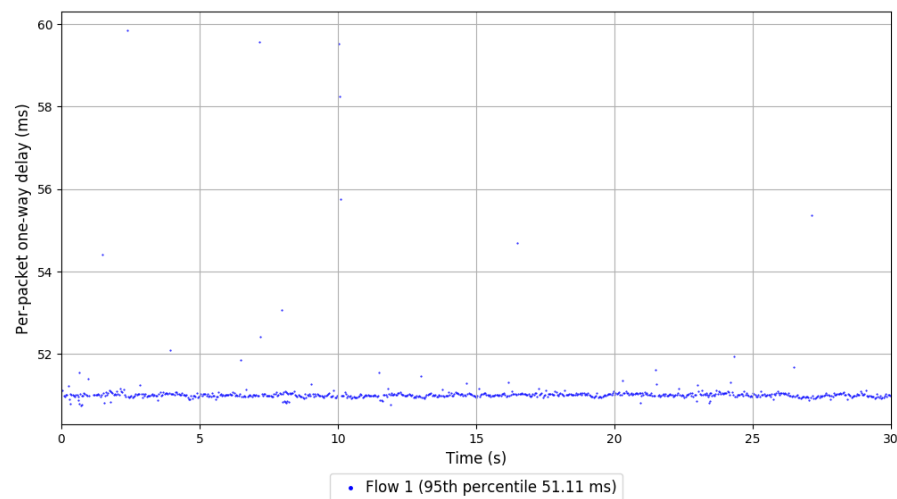
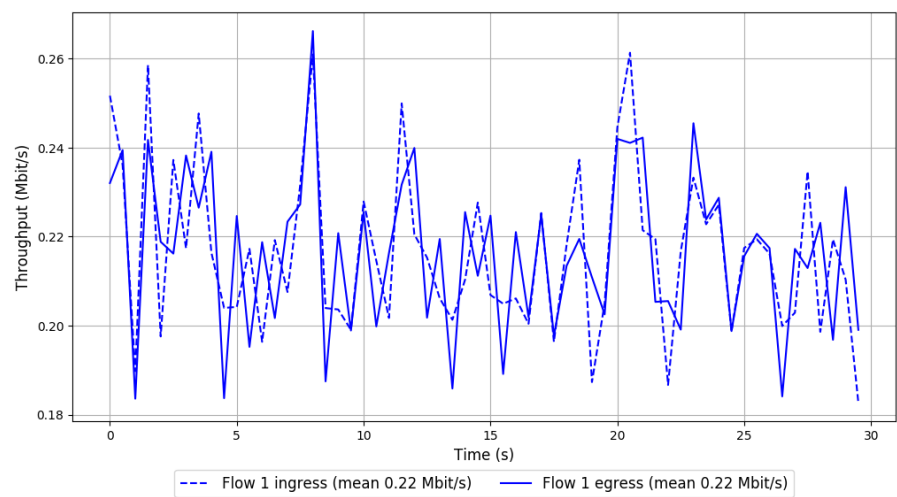
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 51.107 ms

Loss rate: 0.00%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 22:20:58 +0000

End at: Sun, 16 Jul 2017 22:21:28 +0000

Local clock offset: 0.827 ms

Remote clock offset: -0.353 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:28 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 48.602 ms

Loss rate: 0.16%

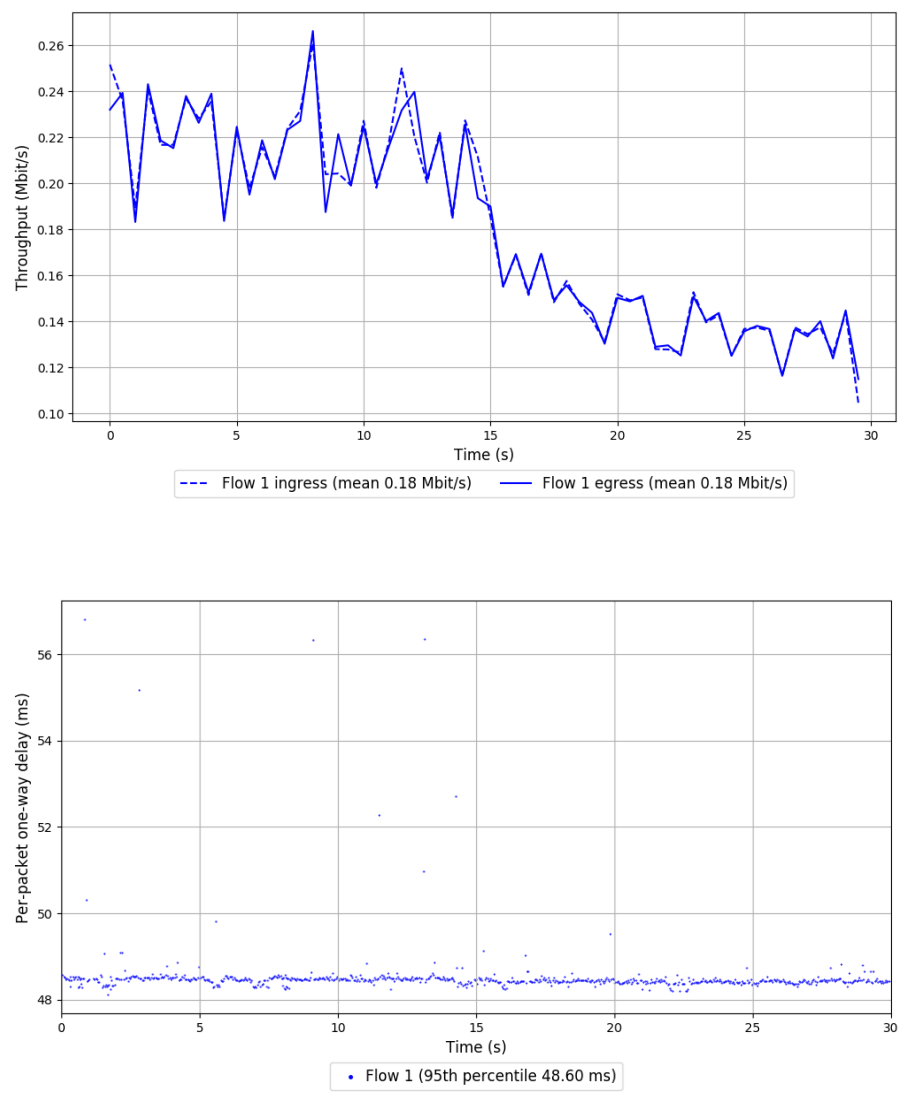
-- Flow 1:

Average throughput: 0.18 Mbit/s

95th percentile per-packet one-way delay: 48.602 ms

Loss rate: 0.16%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Sun, 16 Jul 2017 19:13:48 +0000

End at: Sun, 16 Jul 2017 19:14:18 +0000

Local clock offset: 0.557 ms

Remote clock offset: -2.205 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:30 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.26 Mbit/s

95th percentile per-packet one-way delay: 54.404 ms

Loss rate: 0.00%

-- Flow 1:

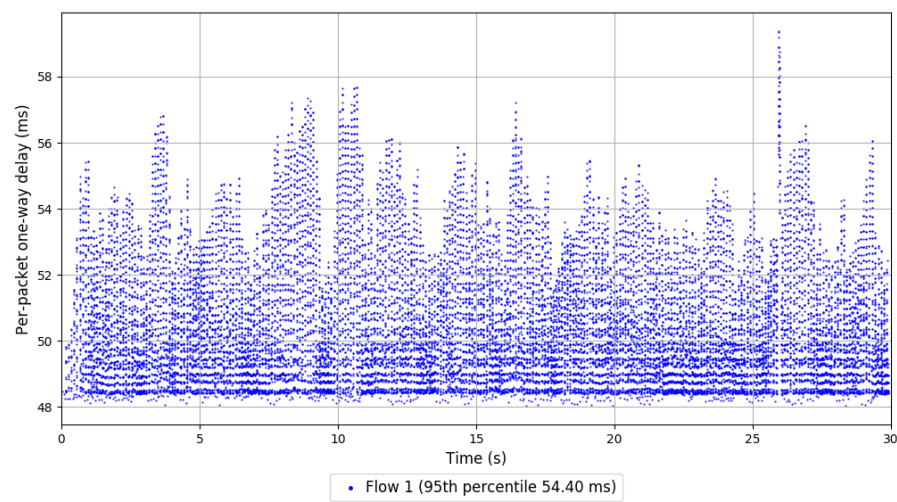
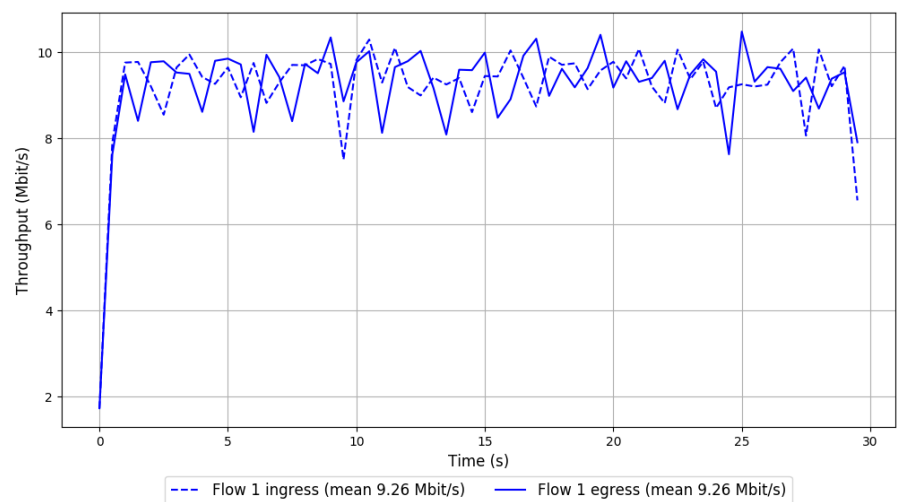
Average throughput: 9.26 Mbit/s

95th percentile per-packet one-way delay: 54.404 ms

Loss rate: 0.00%



Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Sun, 16 Jul 2017 19:33:31 +0000

End at: Sun, 16 Jul 2017 19:34:01 +0000

Local clock offset: 0.546 ms

Remote clock offset: 0.474 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:31 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.19 Mbit/s

95th percentile per-packet one-way delay: 55.405 ms

Loss rate: 0.03%

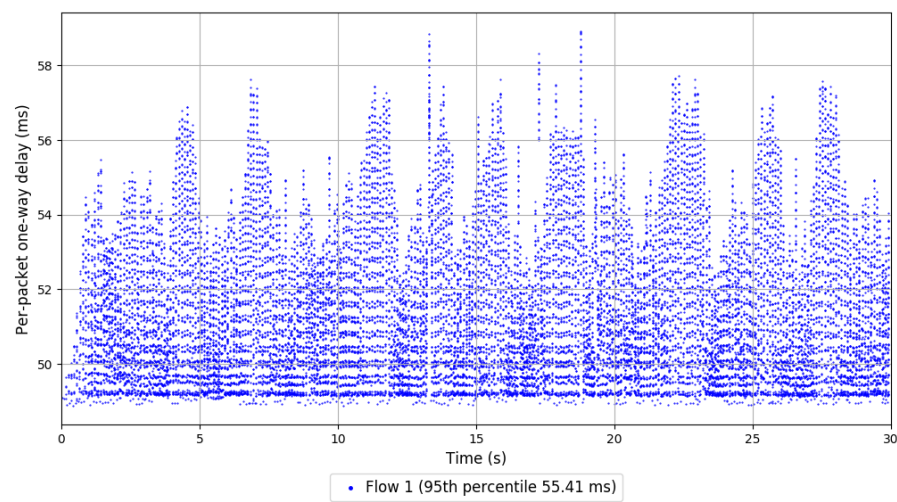
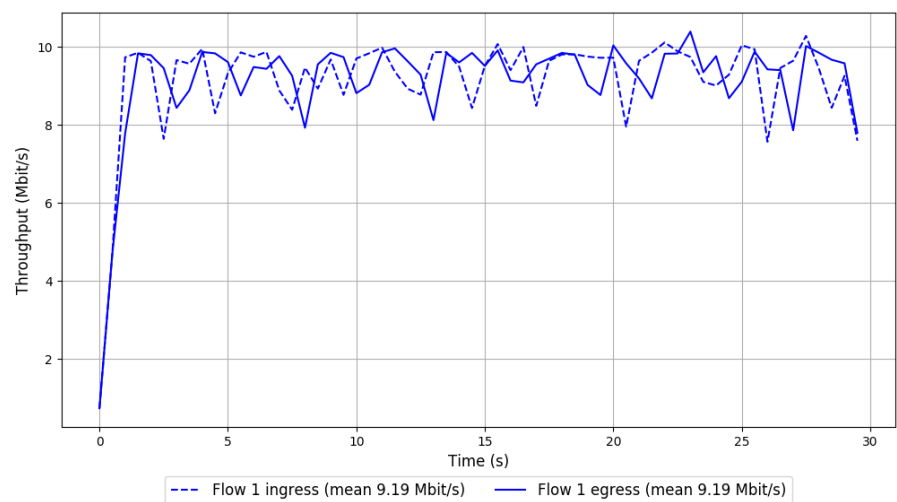
-- Flow 1:

Average throughput: 9.19 Mbit/s

95th percentile per-packet one-way delay: 55.405 ms

Loss rate: 0.03%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sun, 16 Jul 2017 19:53:12 +0000

End at: Sun, 16 Jul 2017 19:53:42 +0000

Local clock offset: 0.482 ms

Remote clock offset: -1.355 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:32 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.12 Mbit/s

95th percentile per-packet one-way delay: 55.129 ms

Loss rate: 0.72%

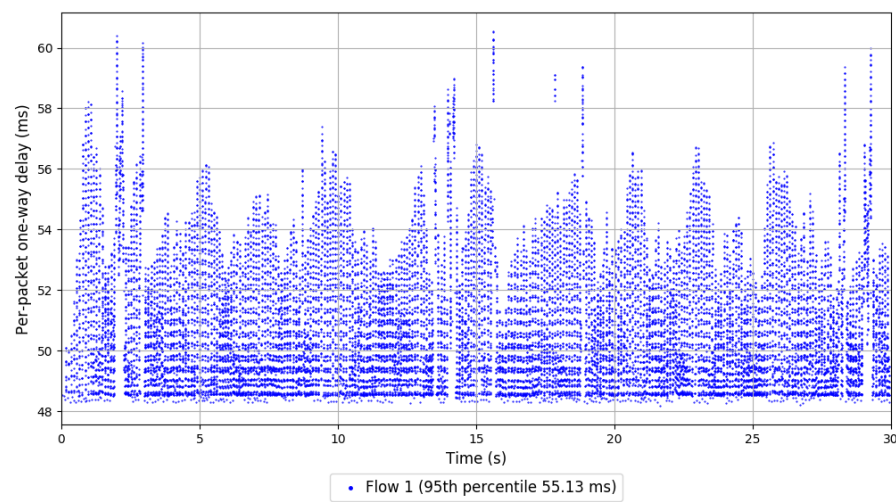
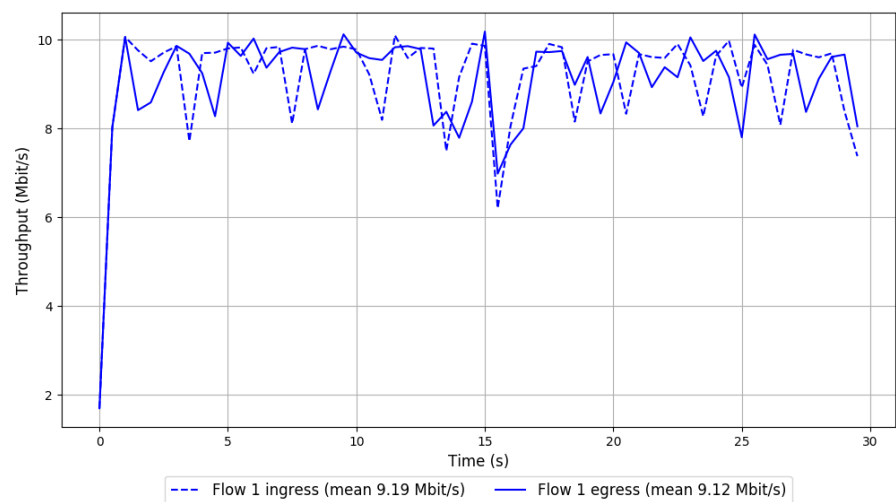
-- Flow 1:

Average throughput: 9.12 Mbit/s

95th percentile per-packet one-way delay: 55.129 ms

Loss rate: 0.72%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Sun, 16 Jul 2017 20:12:55 +0000

End at: Sun, 16 Jul 2017 20:13:25 +0000

Local clock offset: 0.381 ms

Remote clock offset: 0.497 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:33 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.17 Mbit/s

95th percentile per-packet one-way delay: 56.865 ms

Loss rate: 0.22%

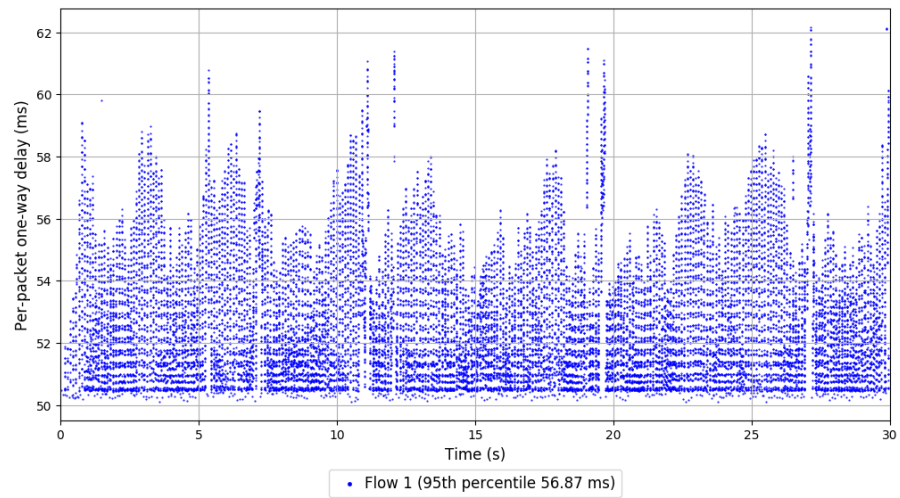
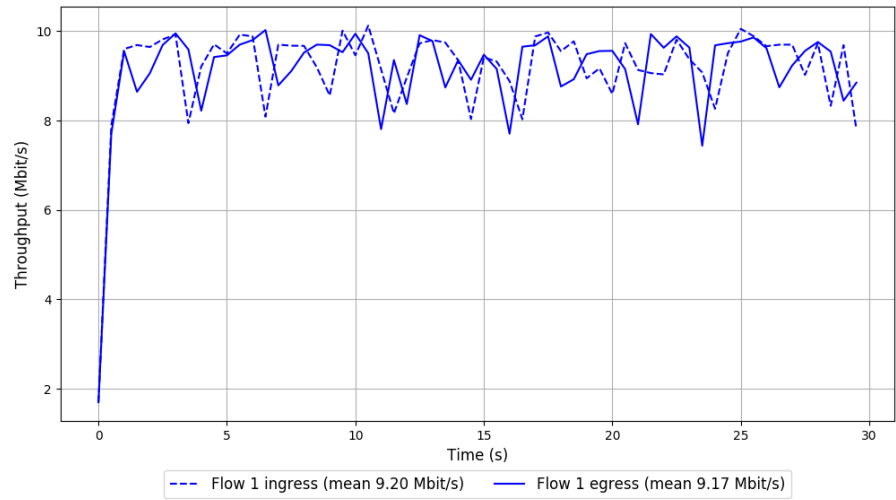
-- Flow 1:

Average throughput: 9.17 Mbit/s

95th percentile per-packet one-way delay: 56.865 ms

Loss rate: 0.22%

#### Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Sun, 16 Jul 2017 20:32:27 +0000

End at: Sun, 16 Jul 2017 20:32:57 +0000

Local clock offset: 0.302 ms

Remote clock offset: 0.617 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:35 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.23 Mbit/s

95th percentile per-packet one-way delay: 56.713 ms

Loss rate: 0.19%

-- Flow 1:

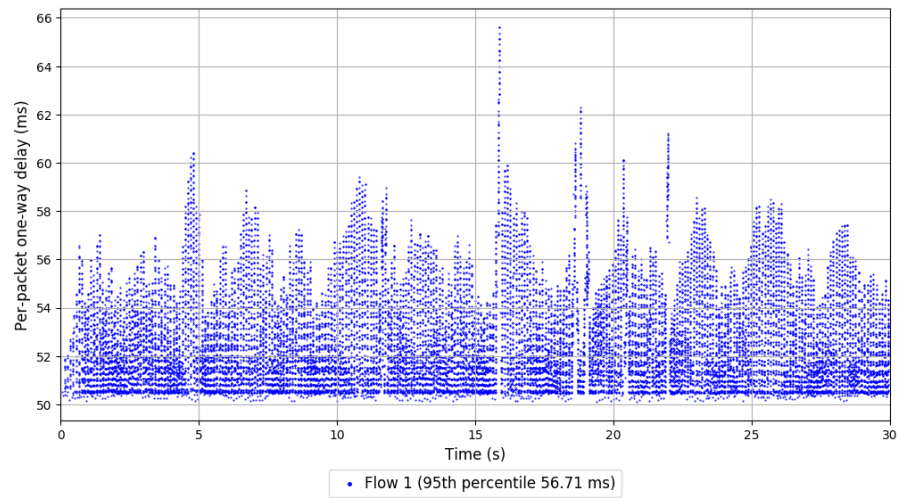
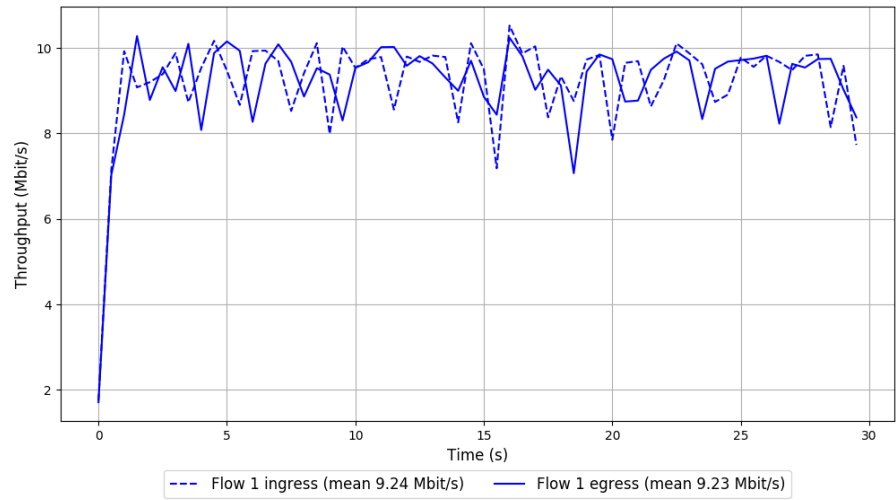
Average throughput: 9.23 Mbit/s

95th percentile per-packet one-way delay: 56.713 ms

Loss rate: 0.19%



## Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Sun, 16 Jul 2017 20:52:07 +0000

End at: Sun, 16 Jul 2017 20:52:37 +0000

Local clock offset: 0.394 ms

Remote clock offset: 1.403 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:35 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.14 Mbit/s

95th percentile per-packet one-way delay: 57.536 ms

Loss rate: 0.35%

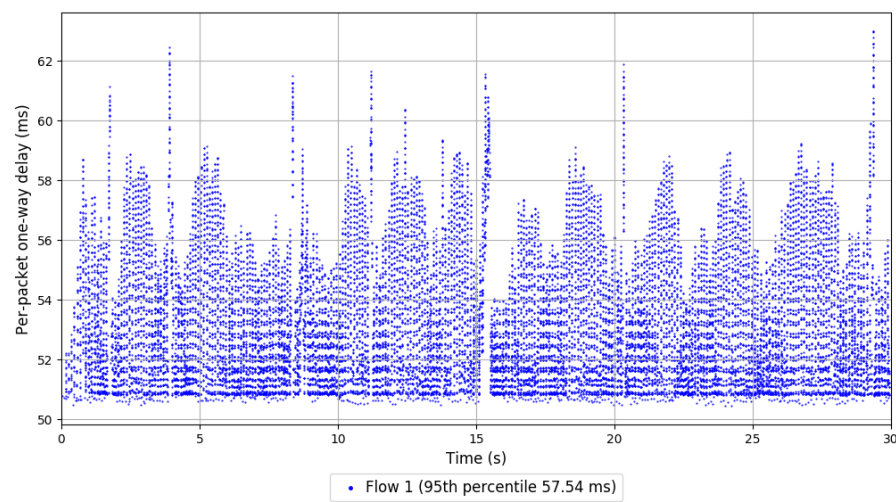
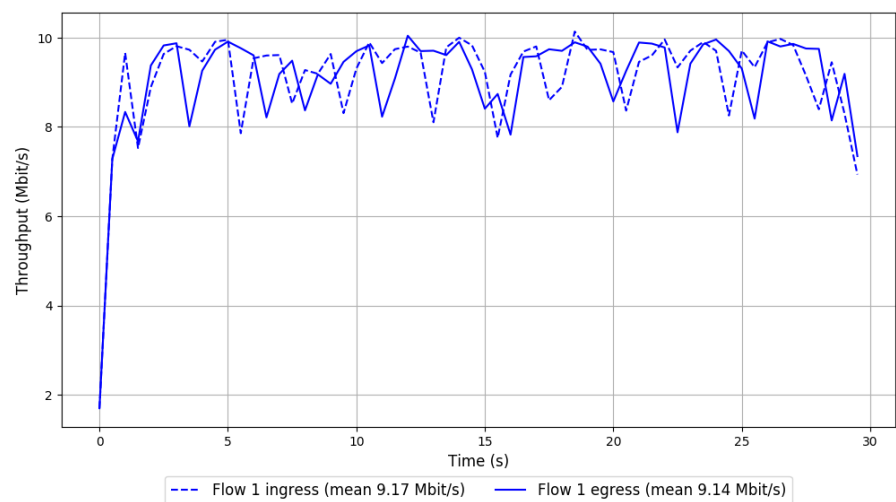
-- Flow 1:

Average throughput: 9.14 Mbit/s

95th percentile per-packet one-way delay: 57.536 ms

Loss rate: 0.35%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Sun, 16 Jul 2017 21:11:44 +0000

End at: Sun, 16 Jul 2017 21:12:14 +0000

Local clock offset: 0.342 ms

Remote clock offset: -0.478 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:38 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.10 Mbit/s

95th percentile per-packet one-way delay: 55.565 ms

Loss rate: 0.49%

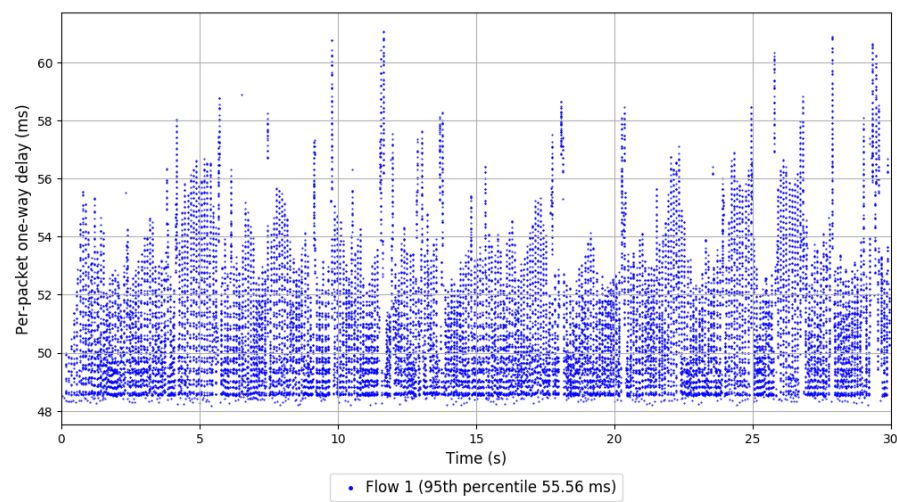
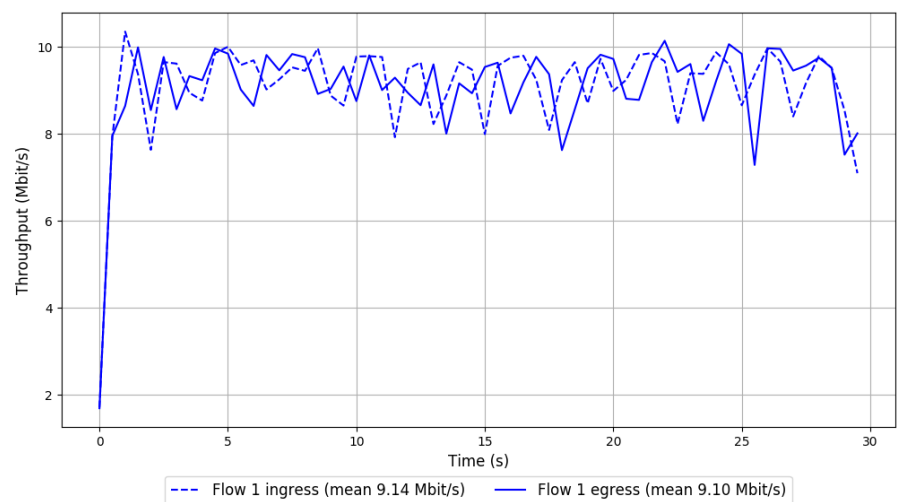
-- Flow 1:

Average throughput: 9.10 Mbit/s

95th percentile per-packet one-way delay: 55.565 ms

Loss rate: 0.49%

Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Sun, 16 Jul 2017 21:31:20 +0000

End at: Sun, 16 Jul 2017 21:31:50 +0000

Local clock offset: 0.399 ms

Remote clock offset: -0.295 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:38 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.20 Mbit/s

95th percentile per-packet one-way delay: 53.264 ms

Loss rate: 0.30%

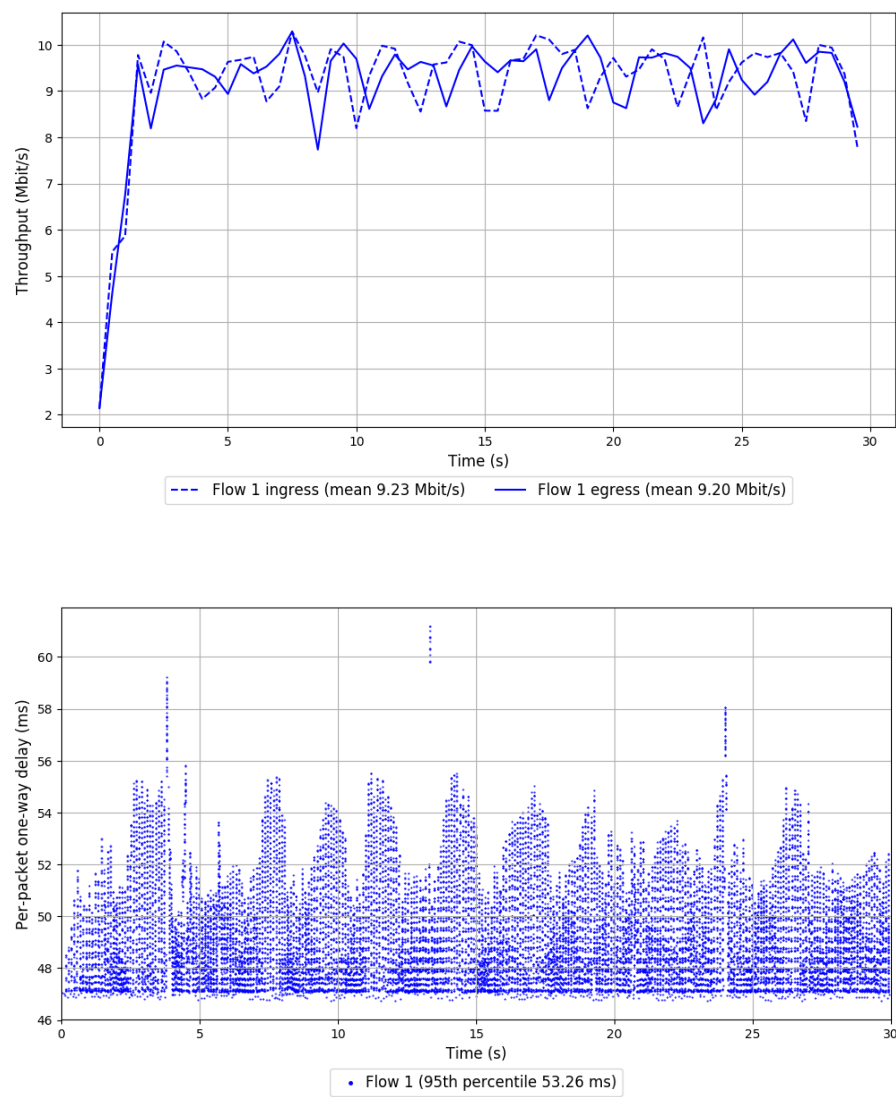
-- Flow 1:

Average throughput: 9.20 Mbit/s

95th percentile per-packet one-way delay: 53.264 ms

Loss rate: 0.30%

Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Sun, 16 Jul 2017 21:50:56 +0000

End at: Sun, 16 Jul 2017 21:51:26 +0000

Local clock offset: 0.673 ms

Remote clock offset: 2.25 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:40 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.26 Mbit/s

95th percentile per-packet one-way delay: 56.700 ms

Loss rate: 0.00%

-- Flow 1:

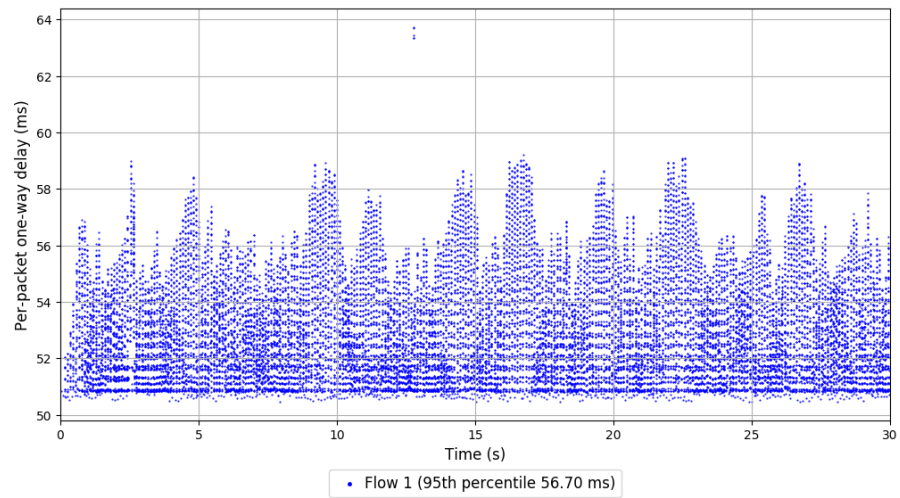
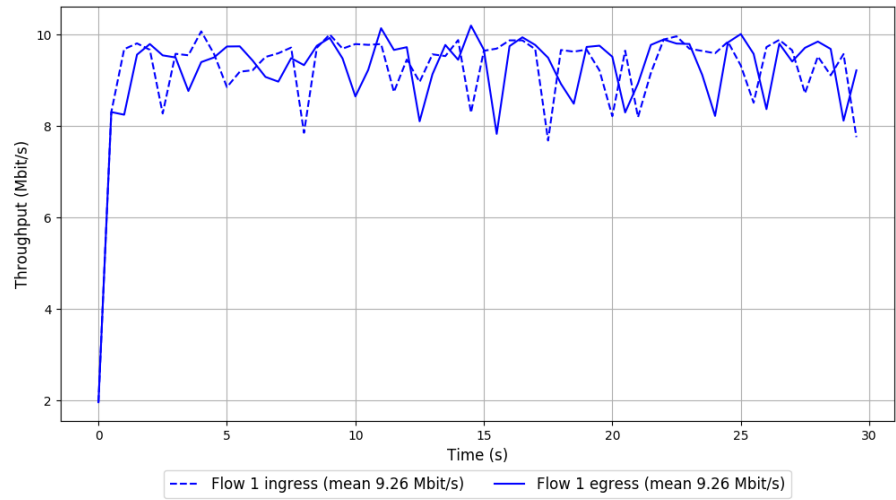
Average throughput: 9.26 Mbit/s

95th percentile per-packet one-way delay: 56.700 ms

Loss rate: 0.00%



### Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Sun, 16 Jul 2017 22:10:38 +0000

End at: Sun, 16 Jul 2017 22:11:08 +0000

Local clock offset: 0.709 ms

Remote clock offset: 1.766 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:40 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.27 Mbit/s

95th percentile per-packet one-way delay: 56.535 ms

Loss rate: 0.21%

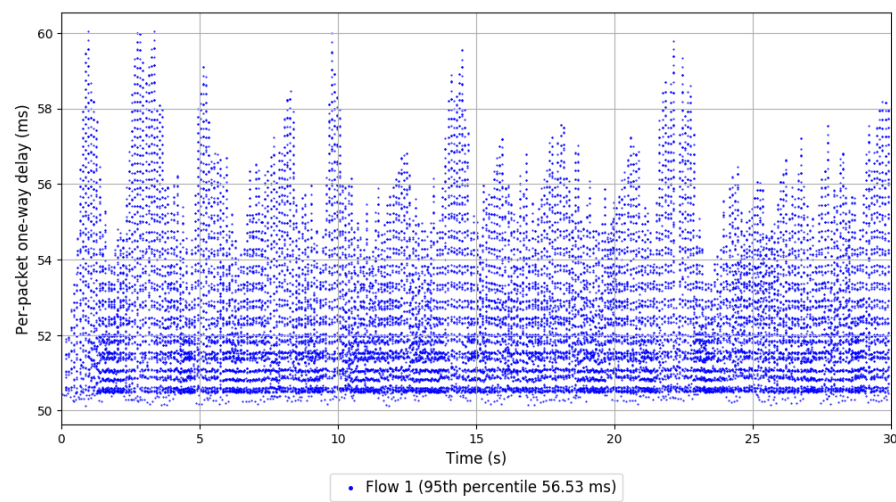
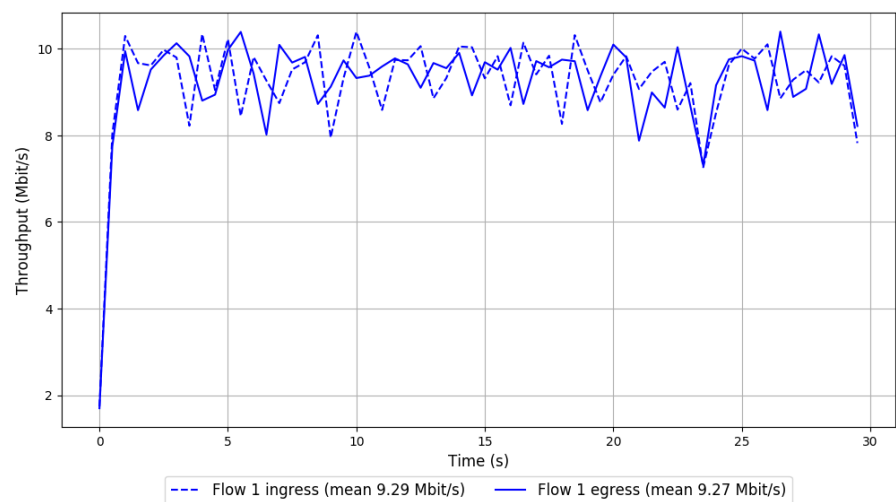
-- Flow 1:

Average throughput: 9.27 Mbit/s

95th percentile per-packet one-way delay: 56.535 ms

Loss rate: 0.21%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 19:09:42 +0000

End at: Sun, 16 Jul 2017 19:10:12 +0000

Local clock offset: 0.645 ms

Remote clock offset: -2.166 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:59 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.83 Mbit/s

95th percentile per-packet one-way delay: 66.519 ms

Loss rate: 0.27%

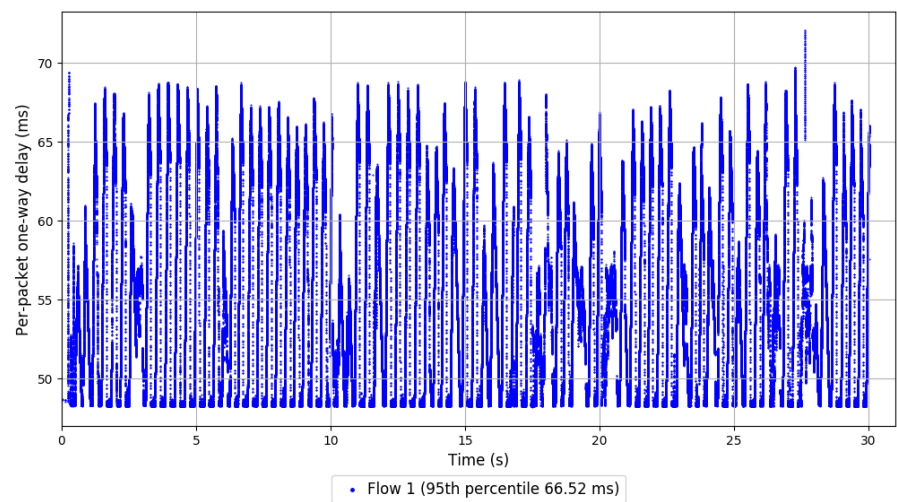
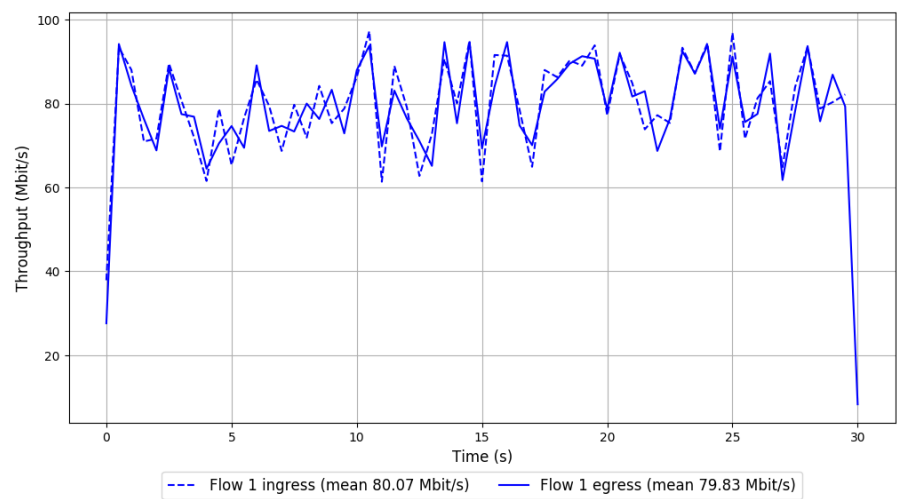
-- Flow 1:

Average throughput: 79.83 Mbit/s

95th percentile per-packet one-way delay: 66.519 ms

Loss rate: 0.27%

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



Run 2: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 19:29:25 +0000

End at: Sun, 16 Jul 2017 19:29:55 +0000

Local clock offset: 0.647 ms

Remote clock offset: 0.705 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:07:59 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.90 Mbit/s

95th percentile per-packet one-way delay: 67.940 ms

Loss rate: 0.19%

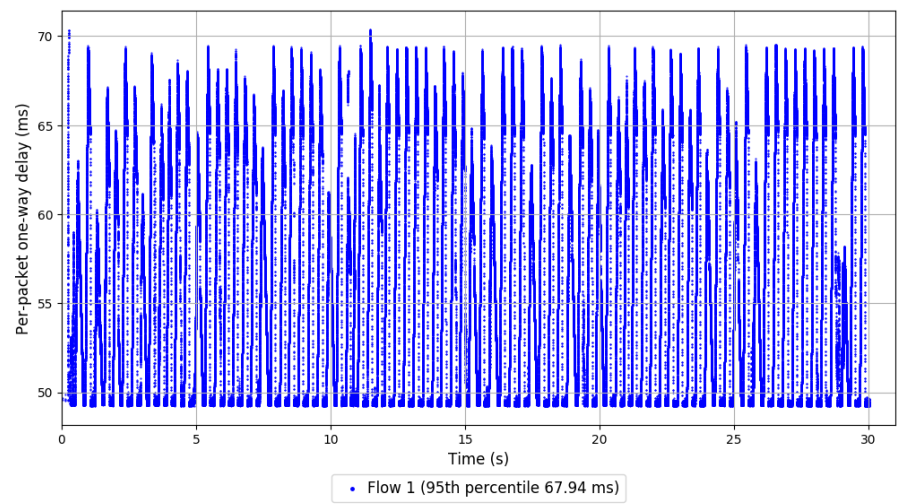
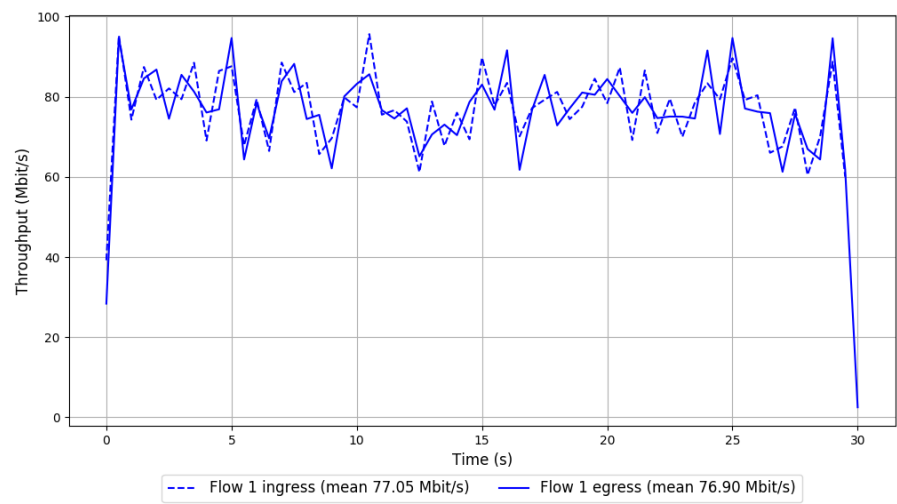
-- Flow 1:

Average throughput: 76.90 Mbit/s

95th percentile per-packet one-way delay: 67.940 ms

Loss rate: 0.19%

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



Run 3: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 19:49:03 +0000

End at: Sun, 16 Jul 2017 19:49:33 +0000

Local clock offset: 0.487 ms

Remote clock offset: -1.462 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:08:19 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.35 Mbit/s

95th percentile per-packet one-way delay: 67.137 ms

Loss rate: 0.26%

-- Flow 1:

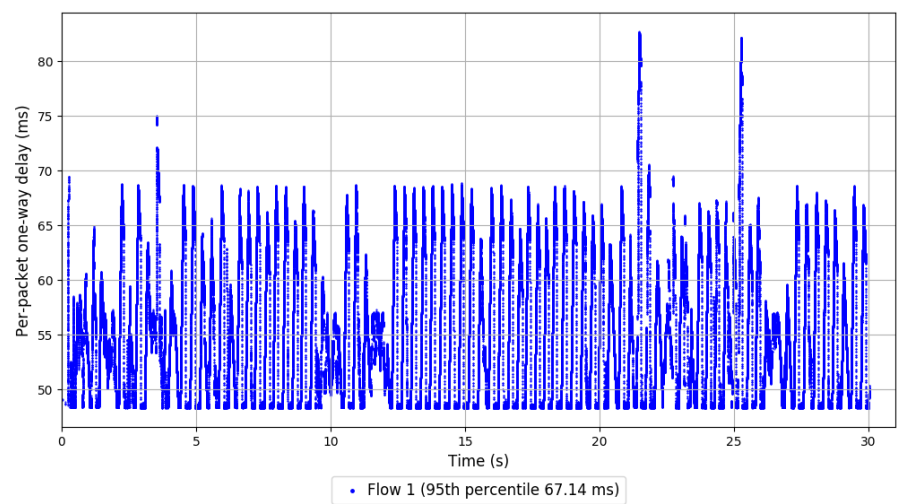
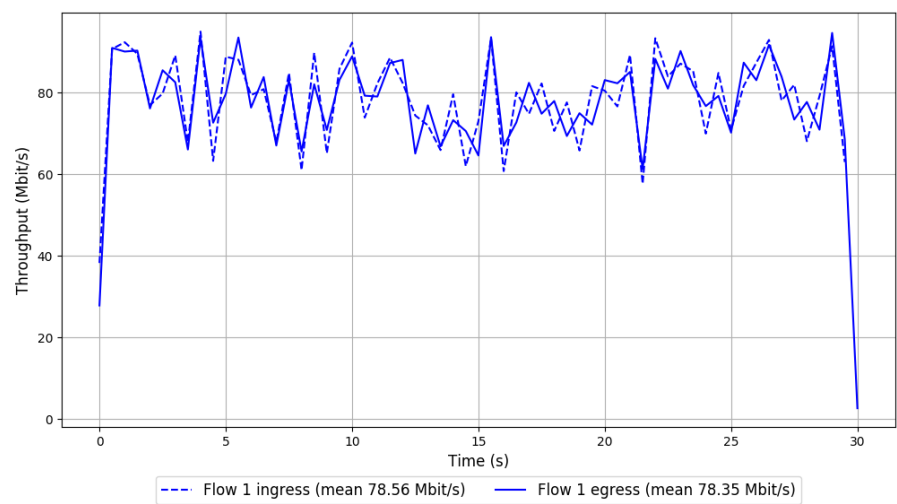
Average throughput: 78.35 Mbit/s

95th percentile per-packet one-way delay: 67.137 ms

Loss rate: 0.26%



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



Run 4: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 20:08:48 +0000

End at: Sun, 16 Jul 2017 20:09:18 +0000

Local clock offset: 0.5 ms

Remote clock offset: 1.078 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:08:19 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.60 Mbit/s

95th percentile per-packet one-way delay: 68.973 ms

Loss rate: 0.38%

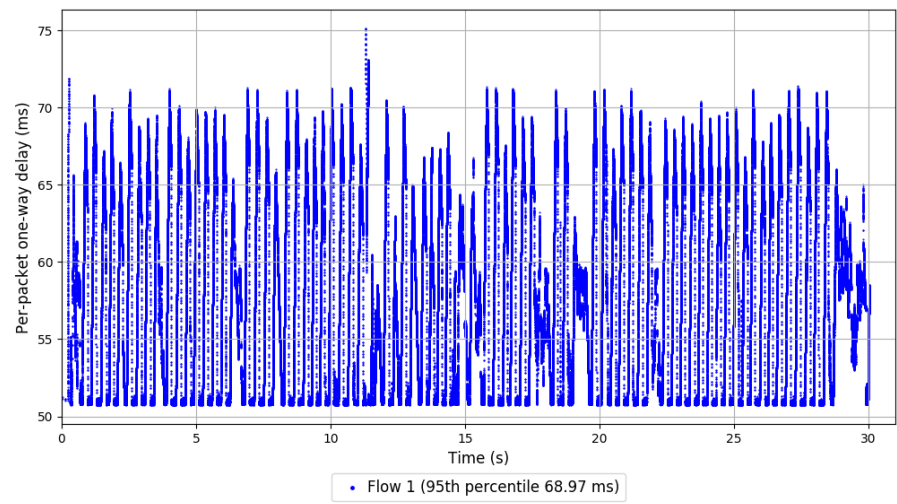
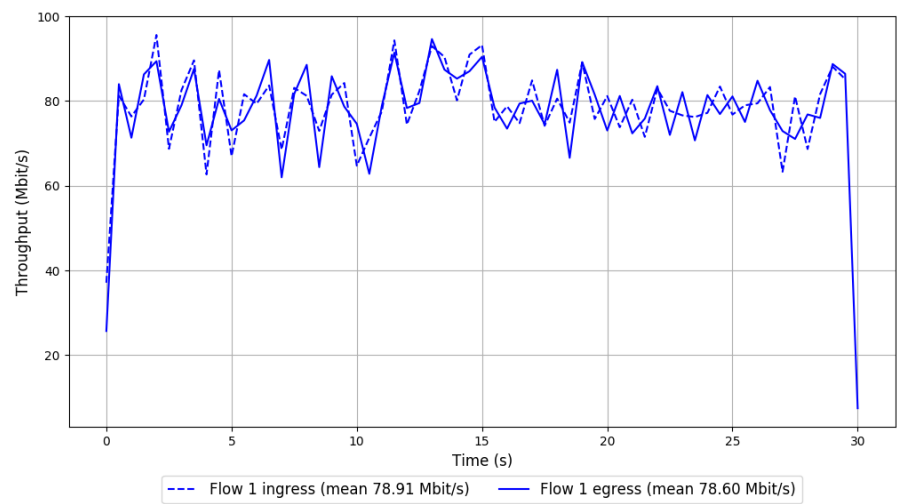
-- Flow 1:

Average throughput: 78.60 Mbit/s

95th percentile per-packet one-way delay: 68.973 ms

Loss rate: 0.38%

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



Run 5: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 20:28:21 +0000

End at: Sun, 16 Jul 2017 20:28:51 +0000

Local clock offset: 0.401 ms

Remote clock offset: -1.459 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:08:38 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.03 Mbit/s

95th percentile per-packet one-way delay: 66.419 ms

Loss rate: 0.58%

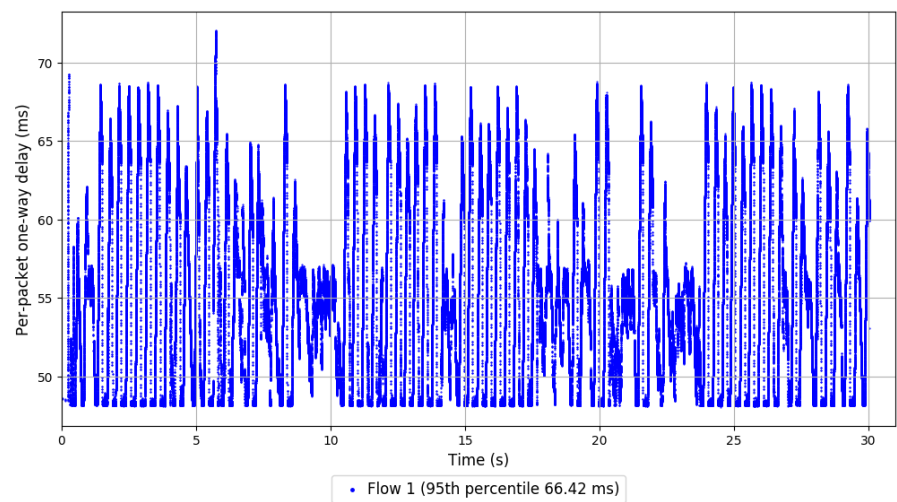
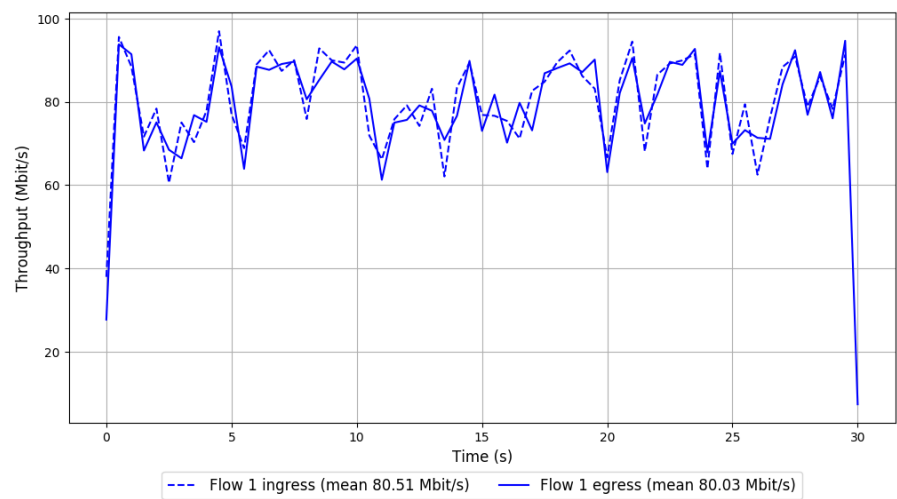
-- Flow 1:

Average throughput: 80.03 Mbit/s

95th percentile per-packet one-way delay: 66.419 ms

Loss rate: 0.58%

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



Run 6: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 20:48:00 +0000

End at: Sun, 16 Jul 2017 20:48:30 +0000

Local clock offset: 0.306 ms

Remote clock offset: 1.355 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:08:38 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.08 Mbit/s

95th percentile per-packet one-way delay: 69.329 ms

Loss rate: 0.19%

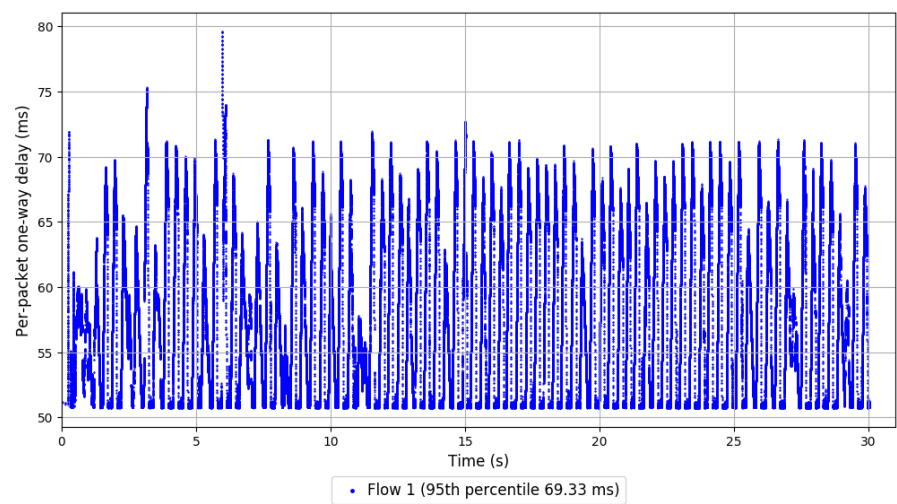
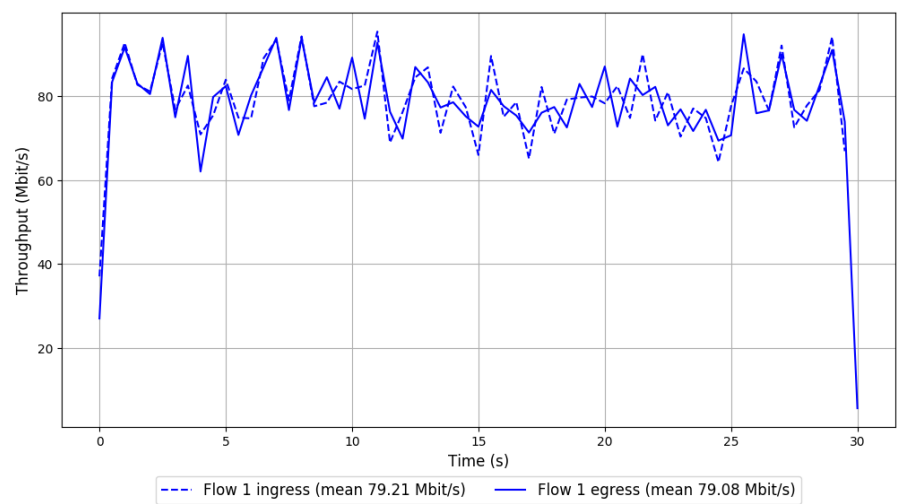
-- Flow 1:

Average throughput: 79.08 Mbit/s

95th percentile per-packet one-way delay: 69.329 ms

Loss rate: 0.19%

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



Run 7: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 21:07:38 +0000

End at: Sun, 16 Jul 2017 21:08:08 +0000

Local clock offset: 0.402 ms

Remote clock offset: 1.417 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:08:58 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 81.53 Mbit/s

95th percentile per-packet one-way delay: 68.097 ms

Loss rate: 0.55%

-- Flow 1:

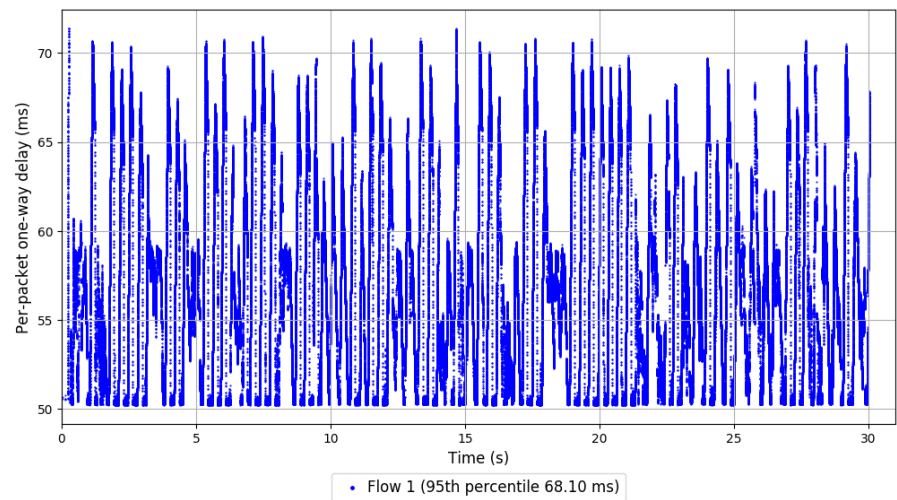
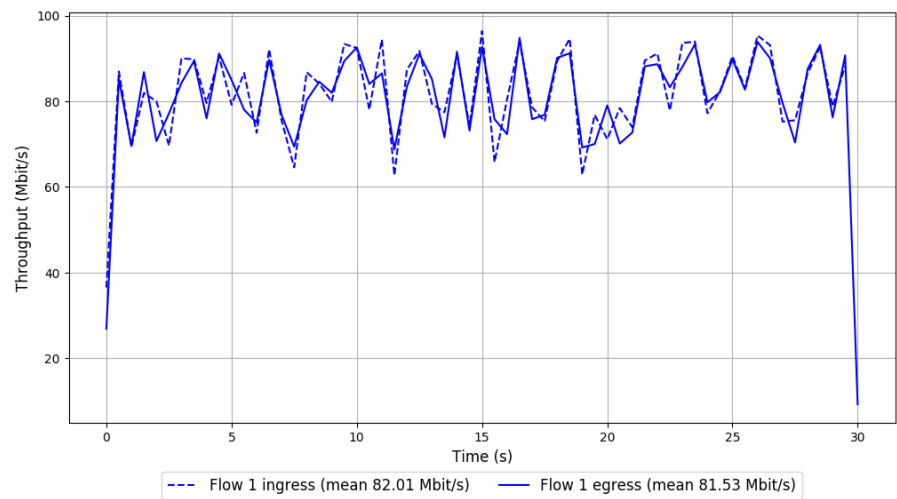
Average throughput: 81.53 Mbit/s

95th percentile per-packet one-way delay: 68.097 ms

Loss rate: 0.55%



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



Run 8: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 21:27:12 +0000

End at: Sun, 16 Jul 2017 21:27:42 +0000

Local clock offset: 0.488 ms

Remote clock offset: -0.342 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:08:58 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.09 Mbit/s

95th percentile per-packet one-way delay: 67.126 ms

Loss rate: 0.04%

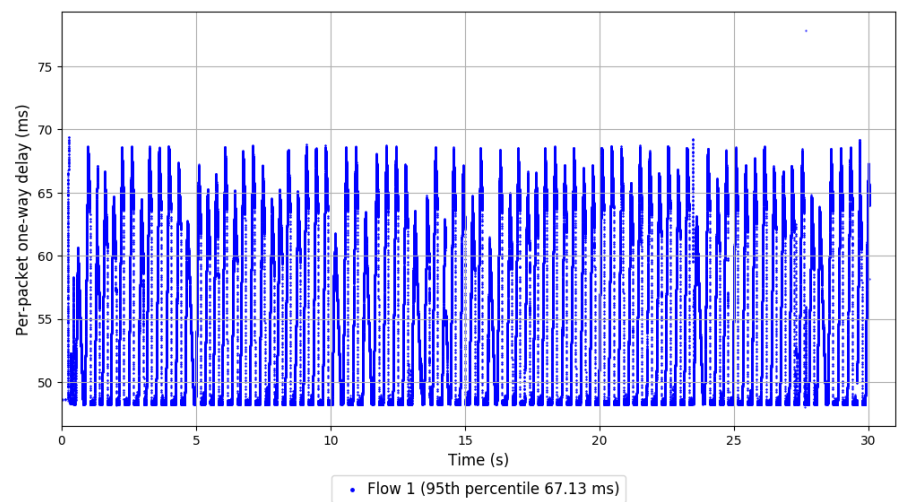
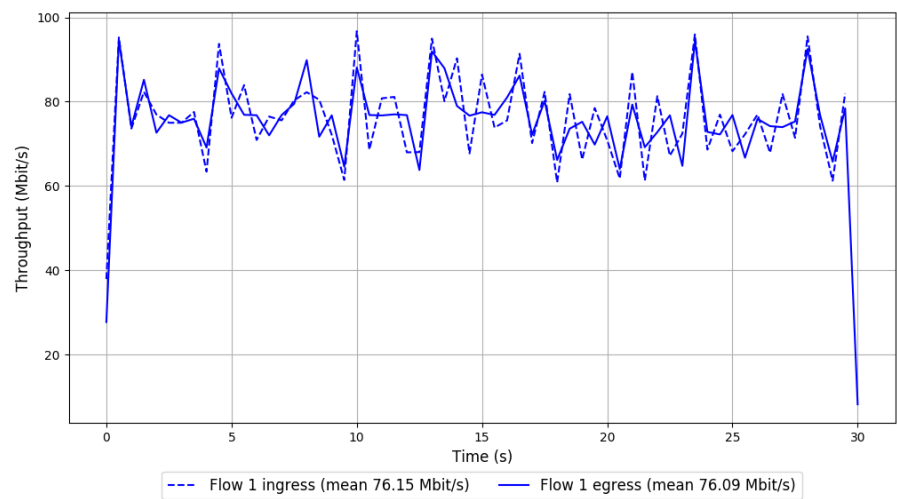
-- Flow 1:

Average throughput: 76.09 Mbit/s

95th percentile per-packet one-way delay: 67.126 ms

Loss rate: 0.04%

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



Run 9: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 21:46:49 +0000

End at: Sun, 16 Jul 2017 21:47:19 +0000

Local clock offset: 0.622 ms

Remote clock offset: 1.84 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:09:17 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.65 Mbit/s

95th percentile per-packet one-way delay: 68.450 ms

Loss rate: 0.29%

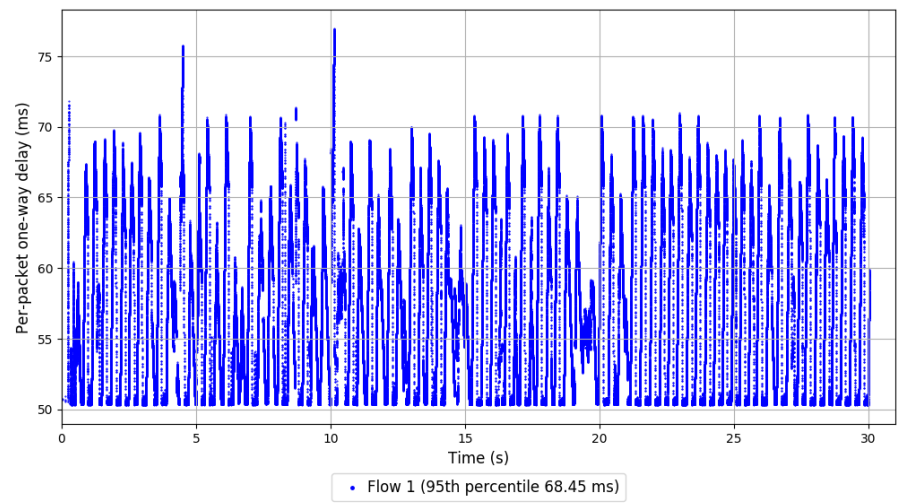
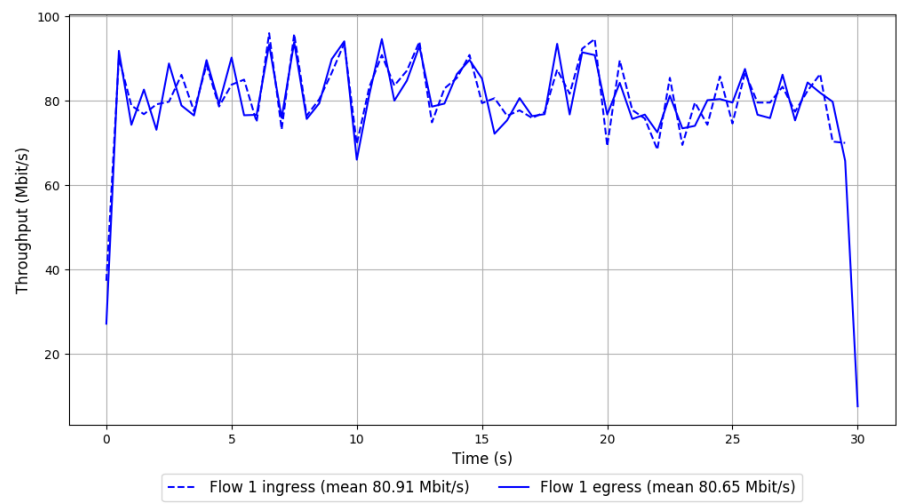
-- Flow 1:

Average throughput: 80.65 Mbit/s

95th percentile per-packet one-way delay: 68.450 ms

Loss rate: 0.29%

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



Run 10: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 22:06:31 +0000

End at: Sun, 16 Jul 2017 22:07:01 +0000

Local clock offset: 0.761 ms

Remote clock offset: 1.948 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:09:17 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.07 Mbit/s

95th percentile per-packet one-way delay: 68.426 ms

Loss rate: 0.25%

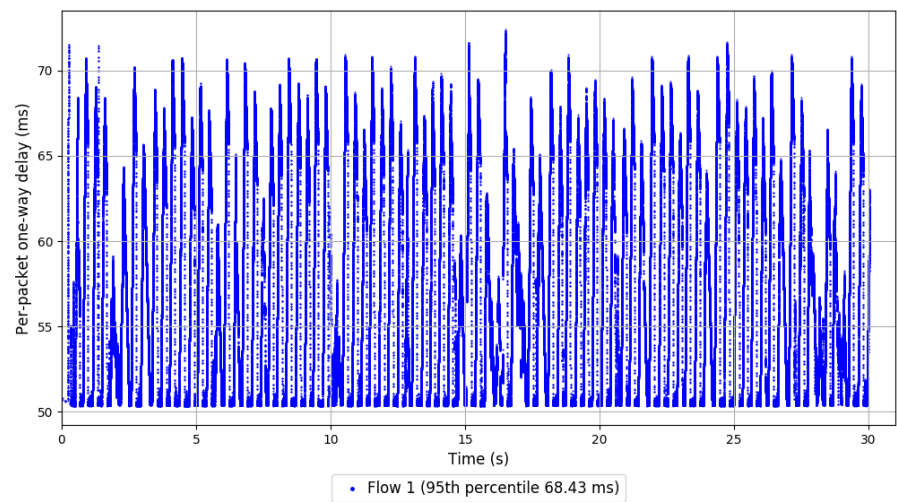
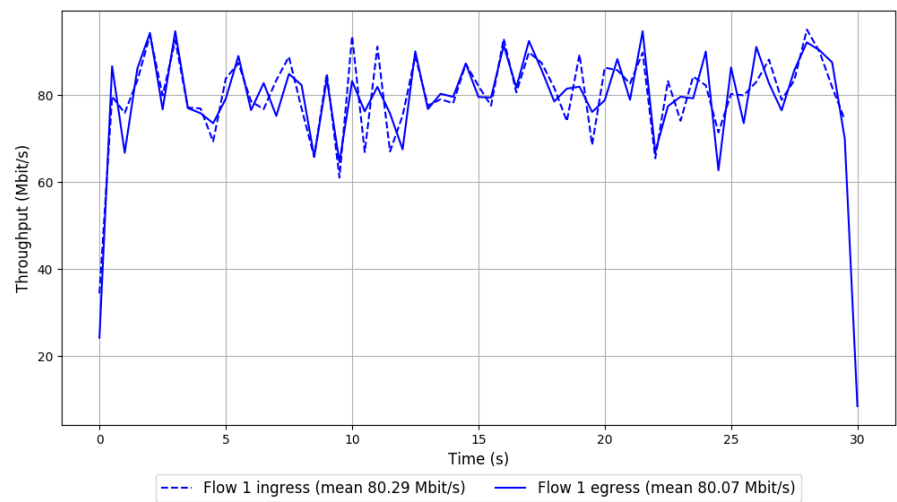
-- Flow 1:

Average throughput: 80.07 Mbit/s

95th percentile per-packet one-way delay: 68.426 ms

Loss rate: 0.25%

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



Run 1: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 19:26:46 +0000

End at: Sun, 16 Jul 2017 19:27:16 +0000

Local clock offset: 0.535 ms

Remote clock offset: 0.698 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:09:22 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 33.24 Mbit/s

95th percentile per-packet one-way delay: 55.365 ms

Loss rate: 0.72%

-- Flow 1:

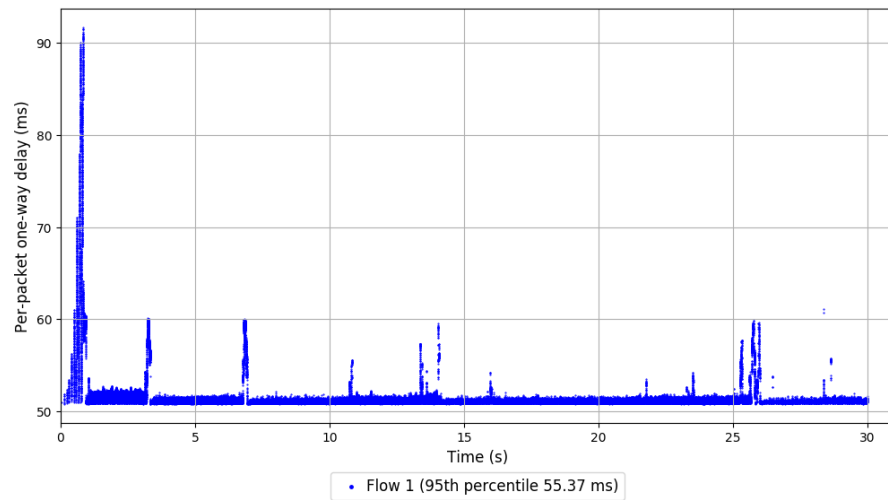
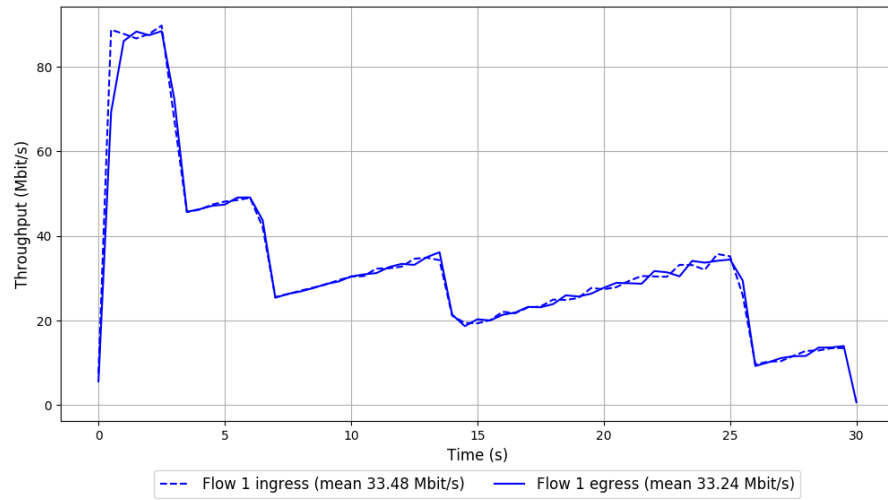
Average throughput: 33.24 Mbit/s

95th percentile per-packet one-way delay: 55.365 ms

Loss rate: 0.72%



### Run 1: Report of TCP Vegas — Data Link



Run 2: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 19:46:24 +0000

End at: Sun, 16 Jul 2017 19:46:54 +0000

Local clock offset: 0.493 ms

Remote clock offset: -1.436 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:09:22 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 27.33 Mbit/s

95th percentile per-packet one-way delay: 50.224 ms

Loss rate: 0.08%

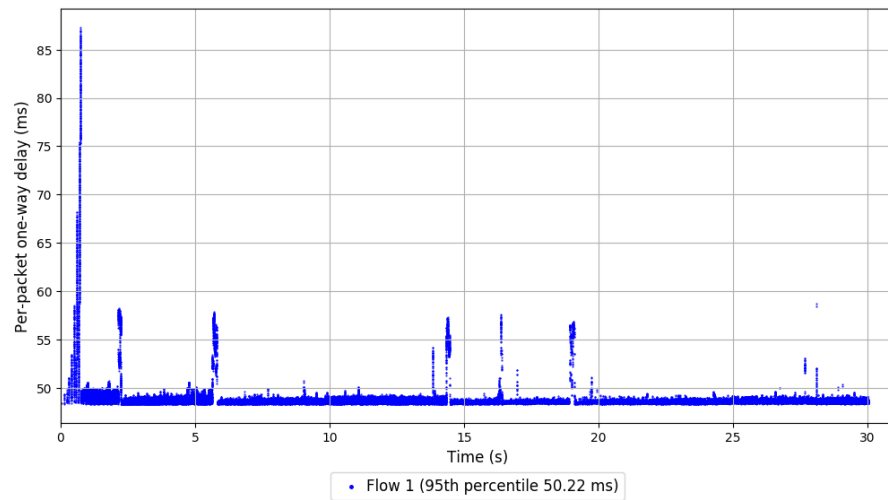
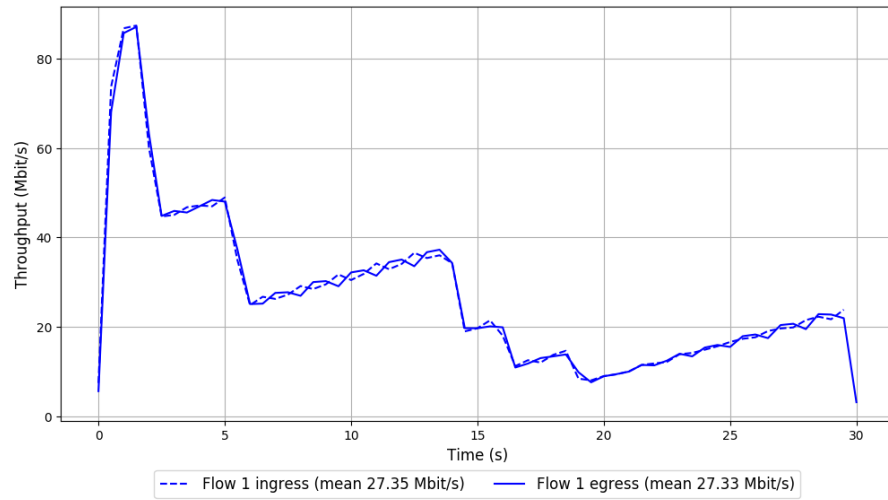
-- Flow 1:

Average throughput: 27.33 Mbit/s

95th percentile per-packet one-way delay: 50.224 ms

Loss rate: 0.08%

## Run 2: Report of TCP Vegas — Data Link



Run 3: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 20:06:10 +0000

End at: Sun, 16 Jul 2017 20:06:40 +0000

Local clock offset: 0.412 ms

Remote clock offset: 0.48 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:09:26 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 27.14 Mbit/s

95th percentile per-packet one-way delay: 57.551 ms

Loss rate: 0.90%

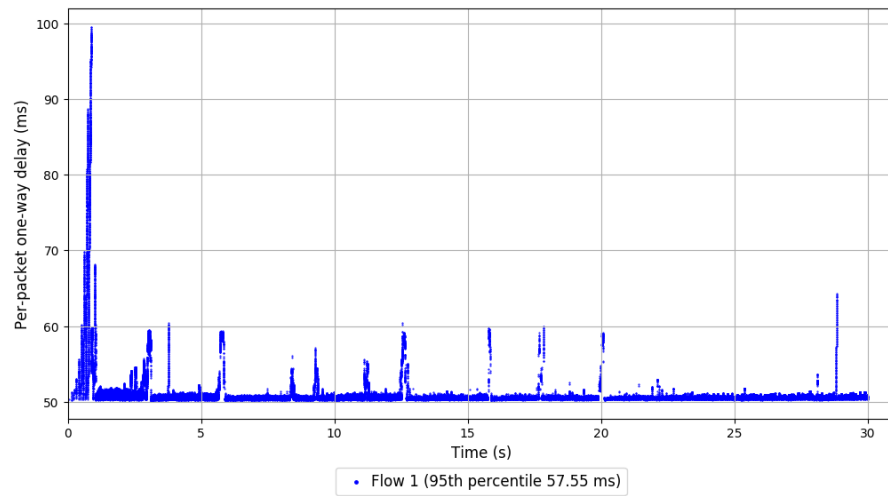
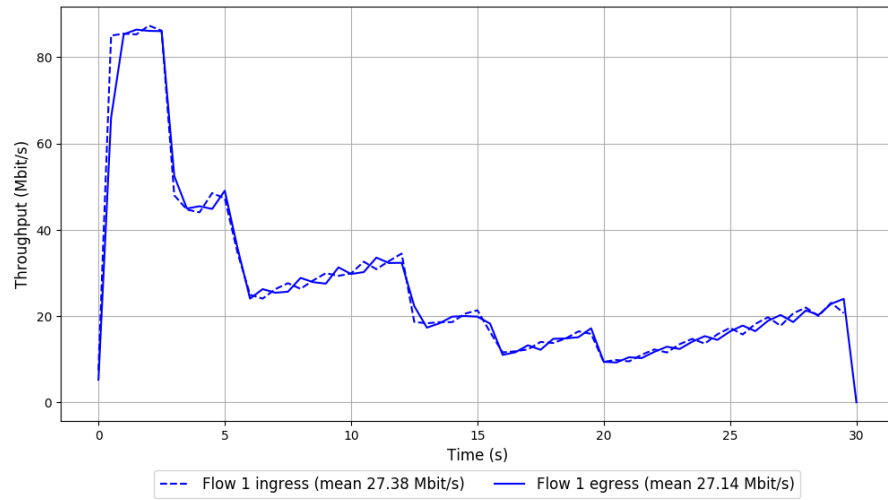
-- Flow 1:

Average throughput: 27.14 Mbit/s

95th percentile per-packet one-way delay: 57.551 ms

Loss rate: 0.90%

### Run 3: Report of TCP Vegas — Data Link



Run 4: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 20:25:44 +0000

End at: Sun, 16 Jul 2017 20:26:14 +0000

Local clock offset: 0.422 ms

Remote clock offset: 0.627 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:09:26 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 23.35 Mbit/s

95th percentile per-packet one-way delay: 56.980 ms

Loss rate: 1.43%

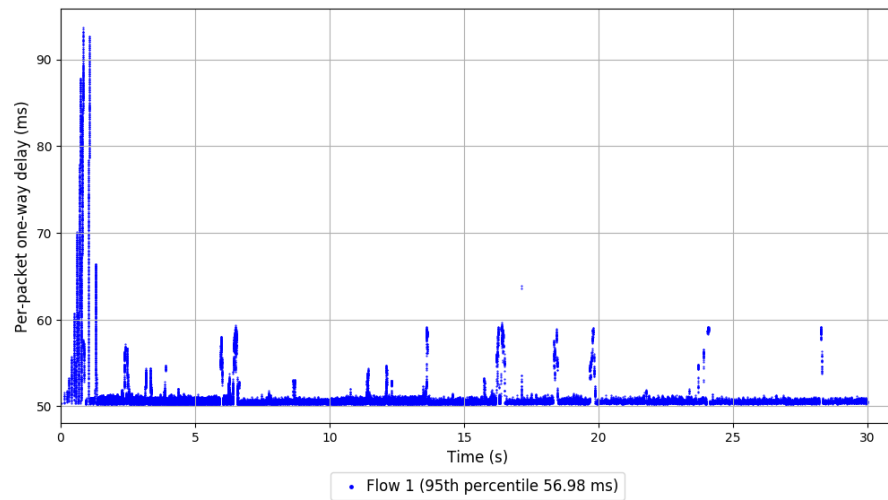
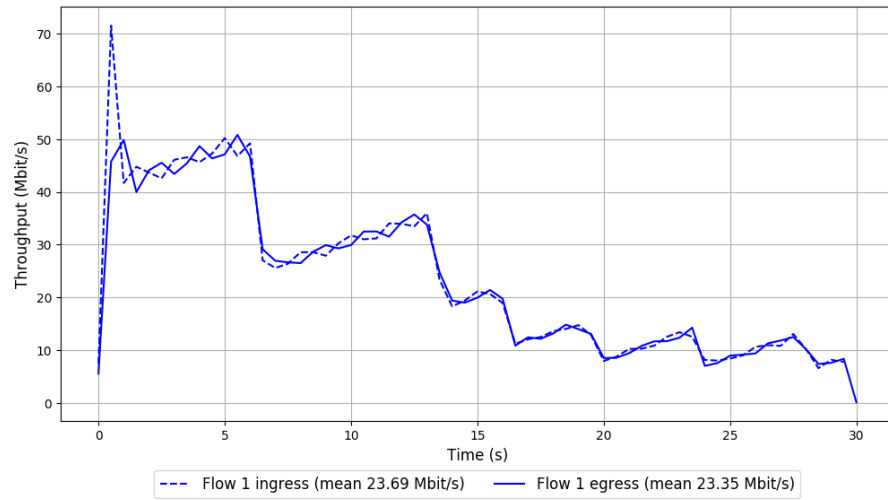
-- Flow 1:

Average throughput: 23.35 Mbit/s

95th percentile per-packet one-way delay: 56.980 ms

Loss rate: 1.43%

#### Run 4: Report of TCP Vegas — Data Link



Run 5: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 20:45:22 +0000

End at: Sun, 16 Jul 2017 20:45:52 +0000

Local clock offset: 0.406 ms

Remote clock offset: -1.192 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:09:29 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 18.61 Mbit/s

95th percentile per-packet one-way delay: 52.996 ms

Loss rate: 0.16%

-- Flow 1:

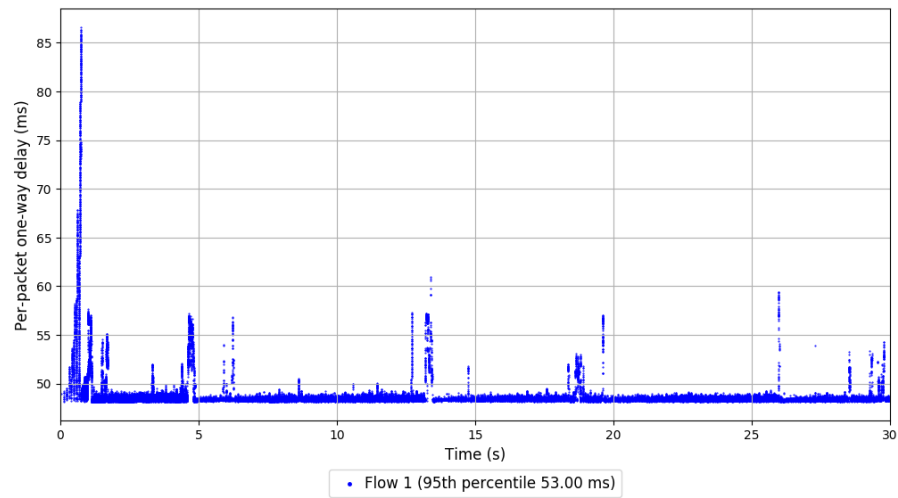
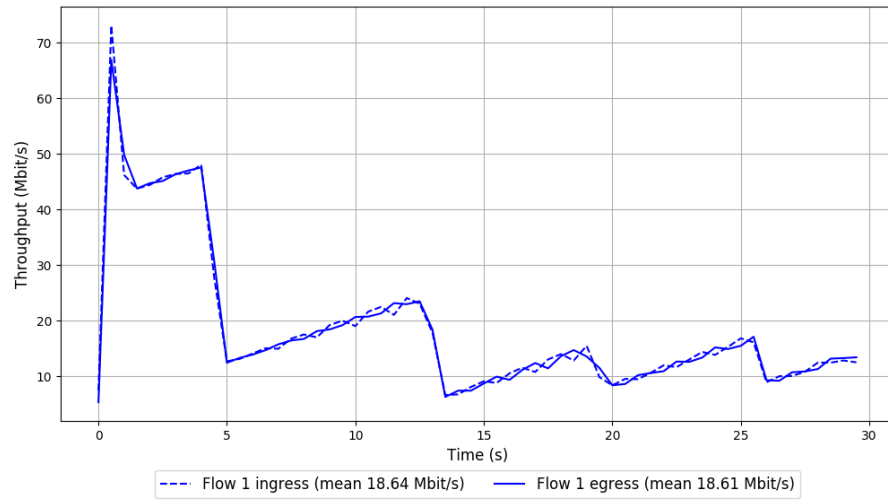
Average throughput: 18.61 Mbit/s

95th percentile per-packet one-way delay: 52.996 ms

Loss rate: 0.16%



### Run 5: Report of TCP Vegas — Data Link



Run 6: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 21:05:01 +0000

End at: Sun, 16 Jul 2017 21:05:31 +0000

Local clock offset: 0.296 ms

Remote clock offset: 1.943 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:09:29 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.04 Mbit/s

95th percentile per-packet one-way delay: 63.223 ms

Loss rate: 2.27%

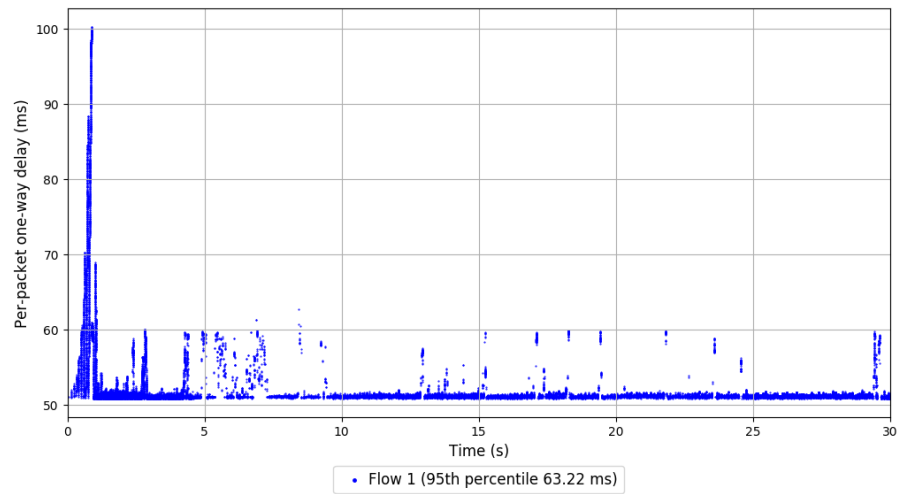
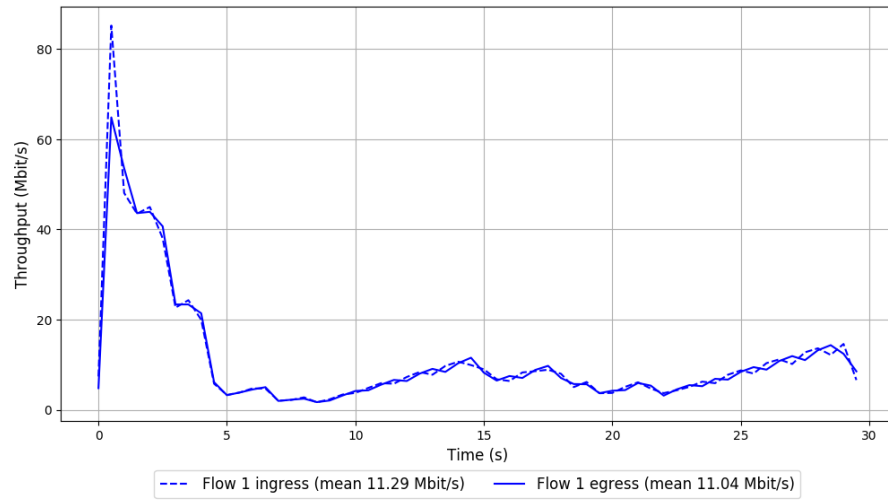
-- Flow 1:

Average throughput: 11.04 Mbit/s

95th percentile per-packet one-way delay: 63.223 ms

Loss rate: 2.27%

## Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 21:24:35 +0000

End at: Sun, 16 Jul 2017 21:25:05 +0000

Local clock offset: 0.486 ms

Remote clock offset: 1.712 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:09:34 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 36.49 Mbit/s

95th percentile per-packet one-way delay: 51.862 ms

Loss rate: 0.79%

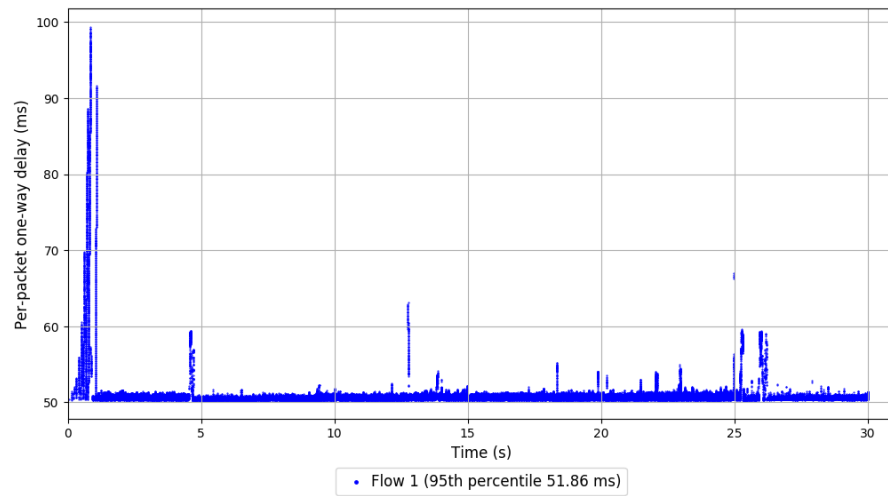
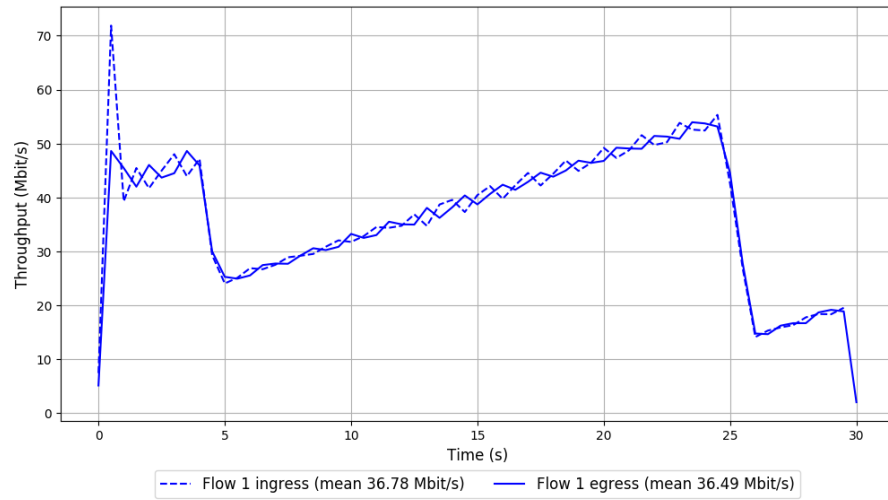
-- Flow 1:

Average throughput: 36.49 Mbit/s

95th percentile per-packet one-way delay: 51.862 ms

Loss rate: 0.79%

### Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 21:44:11 +0000

End at: Sun, 16 Jul 2017 21:44:41 +0000

Local clock offset: 0.521 ms

Remote clock offset: -0.281 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:09:34 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 21.21 Mbit/s

95th percentile per-packet one-way delay: 82.262 ms

Loss rate: 3.30%

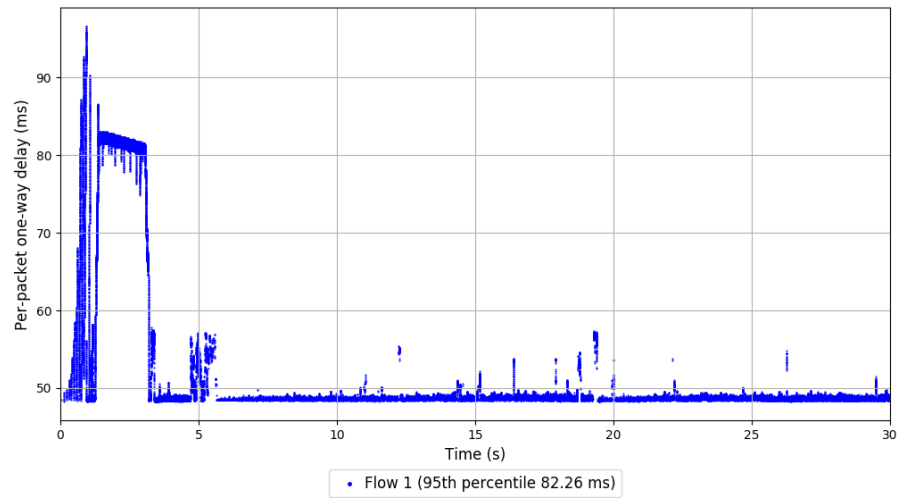
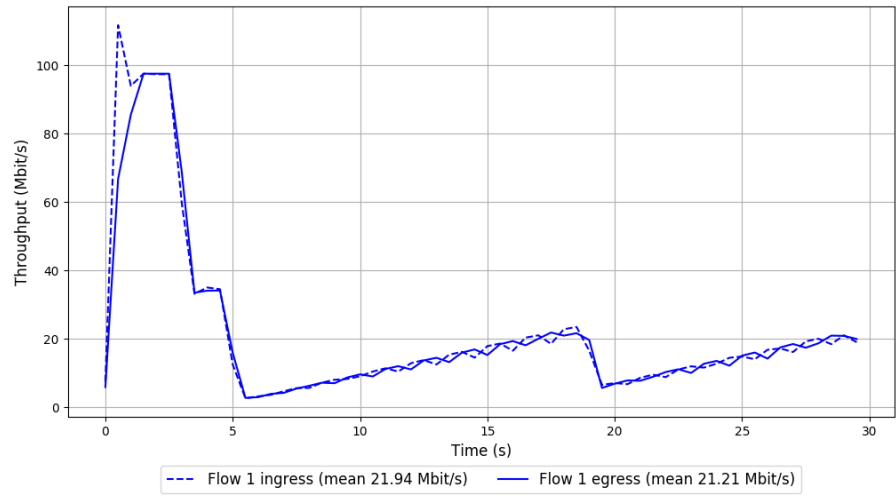
-- Flow 1:

Average throughput: 21.21 Mbit/s

95th percentile per-packet one-way delay: 82.262 ms

Loss rate: 3.30%

### Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 22:03:51 +0000

End at: Sun, 16 Jul 2017 22:04:21 +0000

Local clock offset: 0.636 ms

Remote clock offset: 1.933 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:09:42 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.16 Mbit/s

95th percentile per-packet one-way delay: 51.789 ms

Loss rate: 0.06%

-- Flow 1:

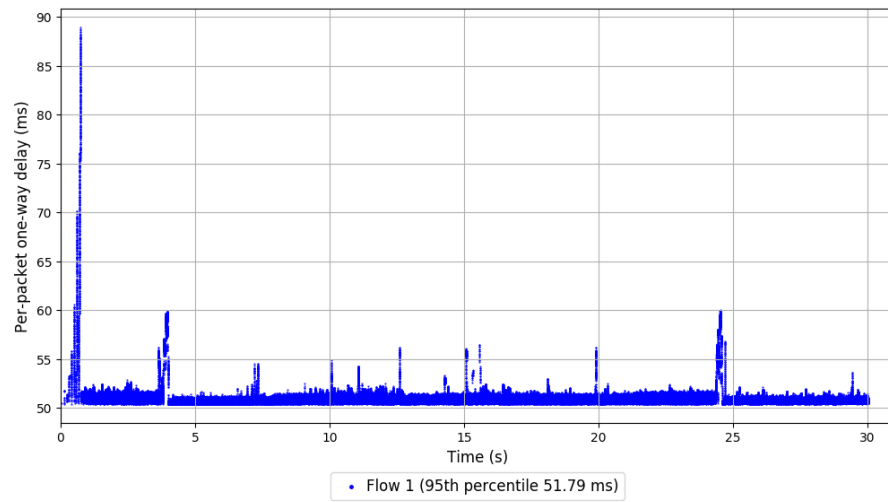
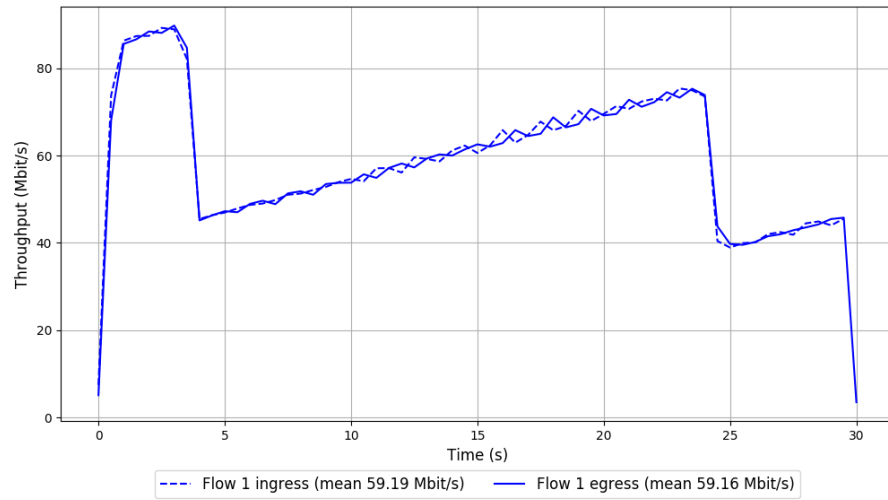
Average throughput: 59.16 Mbit/s

95th percentile per-packet one-way delay: 51.789 ms

Loss rate: 0.06%



### Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 22:23:33 +0000

End at: Sun, 16 Jul 2017 22:24:03 +0000

Local clock offset: 0.952 ms

Remote clock offset: 2.29 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:09:42 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 34.65 Mbit/s

95th percentile per-packet one-way delay: 50.367 ms

Loss rate: 0.12%

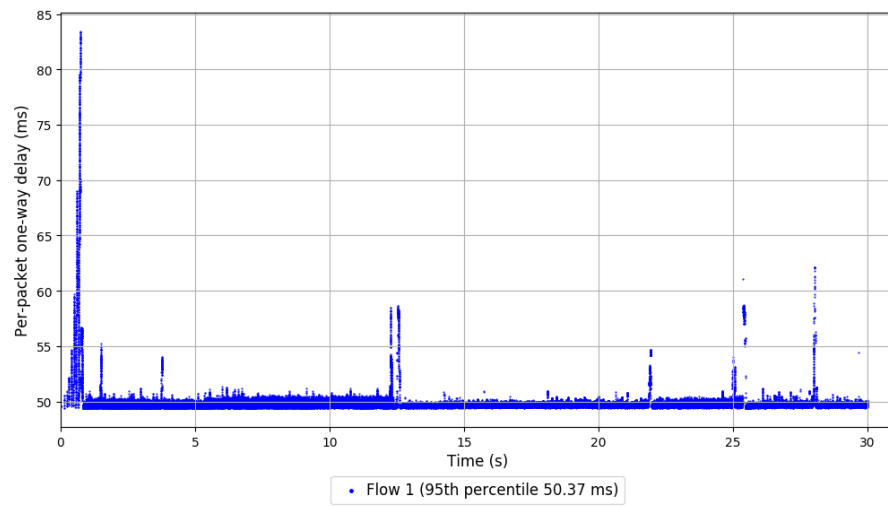
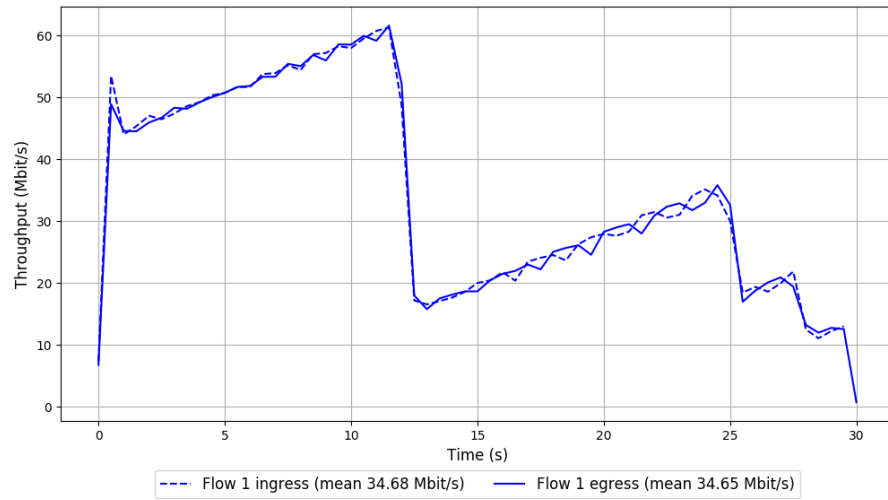
-- Flow 1:

Average throughput: 34.65 Mbit/s

95th percentile per-packet one-way delay: 50.367 ms

Loss rate: 0.12%

### Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Sun, 16 Jul 2017 19:12:29 +0000

End at: Sun, 16 Jul 2017 19:12:59 +0000

Local clock offset: 0.547 ms

Remote clock offset: -2.133 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:09:45 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.66 Mbit/s

95th percentile per-packet one-way delay: 89.666 ms

Loss rate: 61.23%

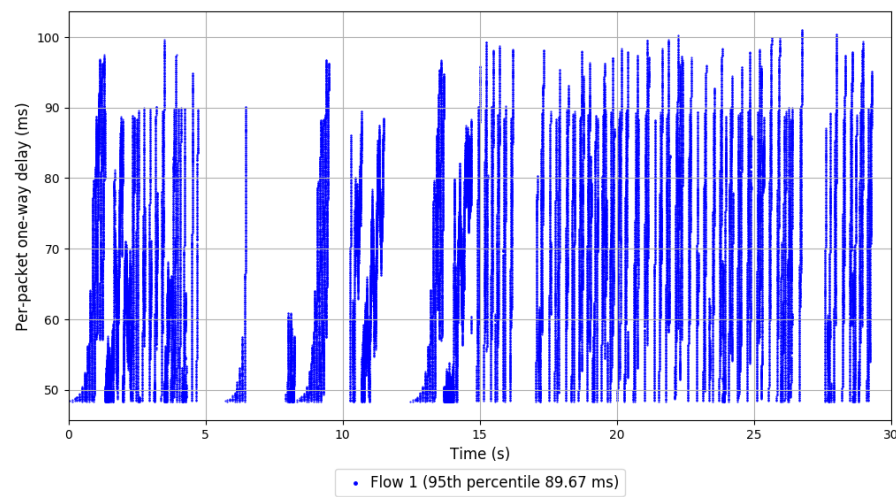
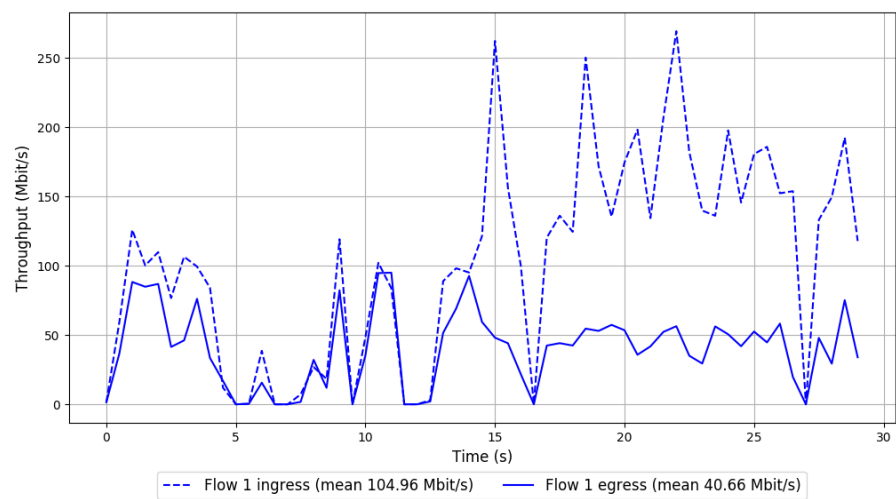
-- Flow 1:

Average throughput: 40.66 Mbit/s

95th percentile per-packet one-way delay: 89.666 ms

Loss rate: 61.23%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sun, 16 Jul 2017 19:32:11 +0000

End at: Sun, 16 Jul 2017 19:32:41 +0000

Local clock offset: 0.543 ms

Remote clock offset: -1.623 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:09:50 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 51.69 Mbit/s

95th percentile per-packet one-way delay: 84.671 ms

Loss rate: 30.83%

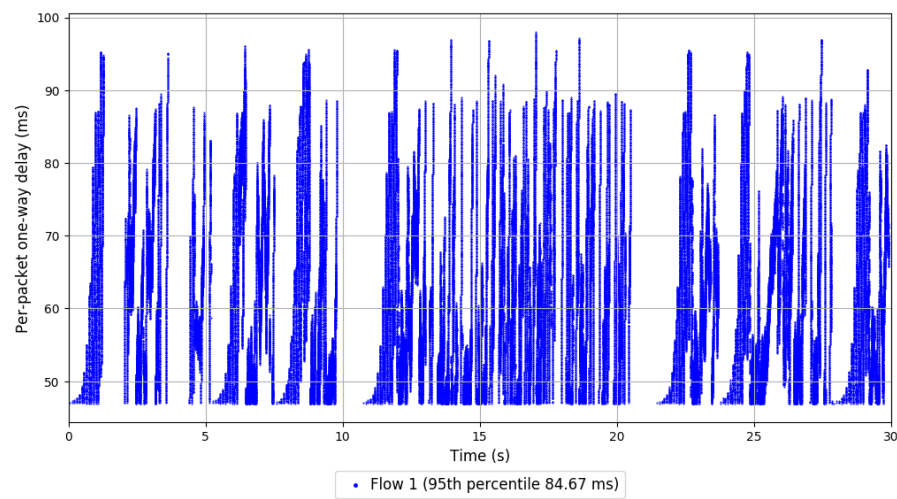
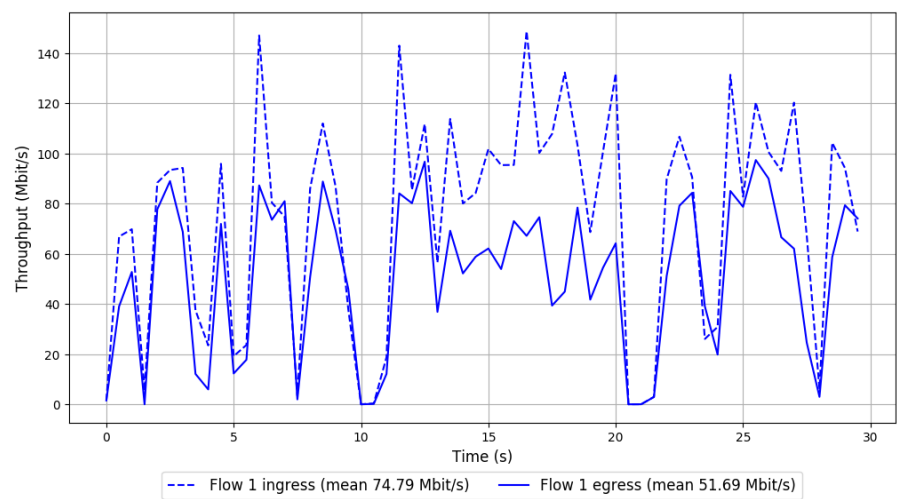
-- Flow 1:

Average throughput: 51.69 Mbit/s

95th percentile per-packet one-way delay: 84.671 ms

Loss rate: 30.83%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sun, 16 Jul 2017 19:51:51 +0000

End at: Sun, 16 Jul 2017 19:52:21 +0000

Local clock offset: 0.54 ms

Remote clock offset: -1.38 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:09:54 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.32 Mbit/s

95th percentile per-packet one-way delay: 88.778 ms

Loss rate: 51.29%

-- Flow 1:

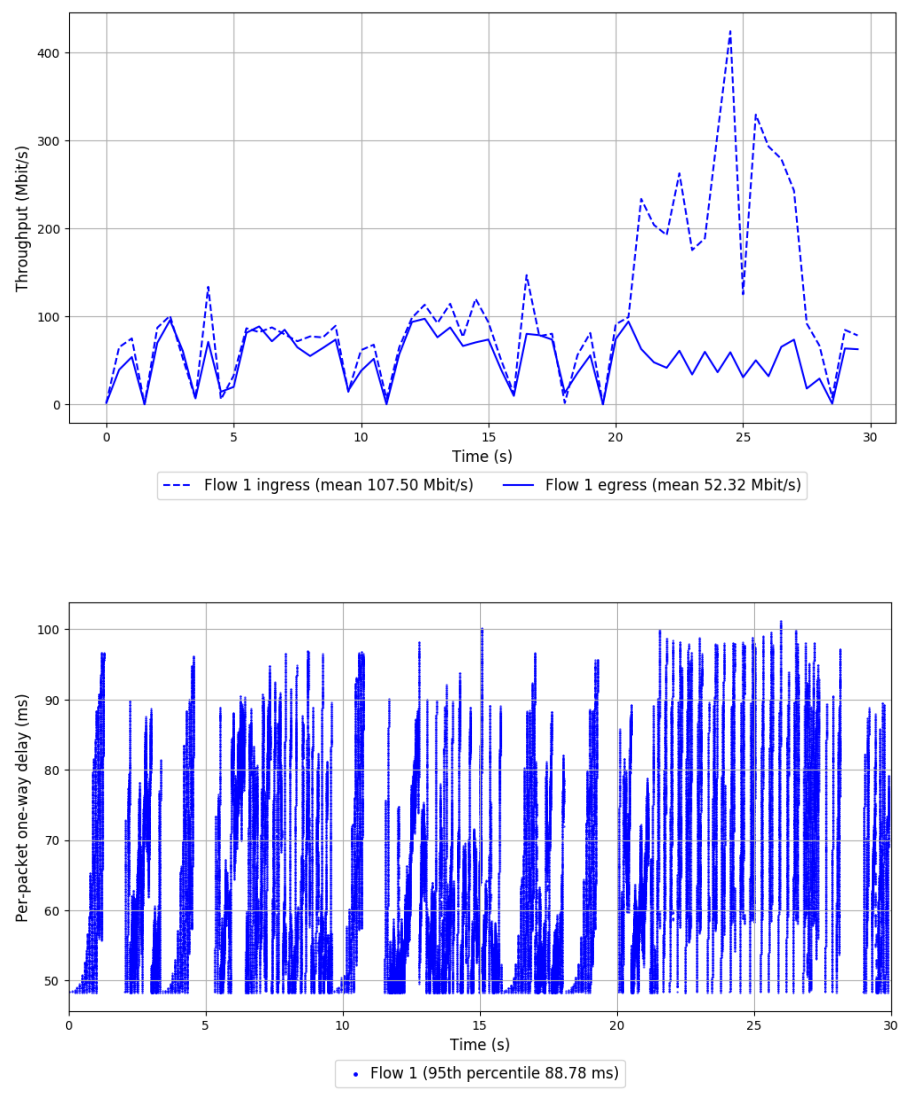
Average throughput: 52.32 Mbit/s

95th percentile per-packet one-way delay: 88.778 ms

Loss rate: 51.29%



Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Sun, 16 Jul 2017 20:11:35 +0000

End at: Sun, 16 Jul 2017 20:12:05 +0000

Local clock offset: 0.381 ms

Remote clock offset: 0.929 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:09:57 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 44.57 Mbit/s

95th percentile per-packet one-way delay: 93.102 ms

Loss rate: 52.48%

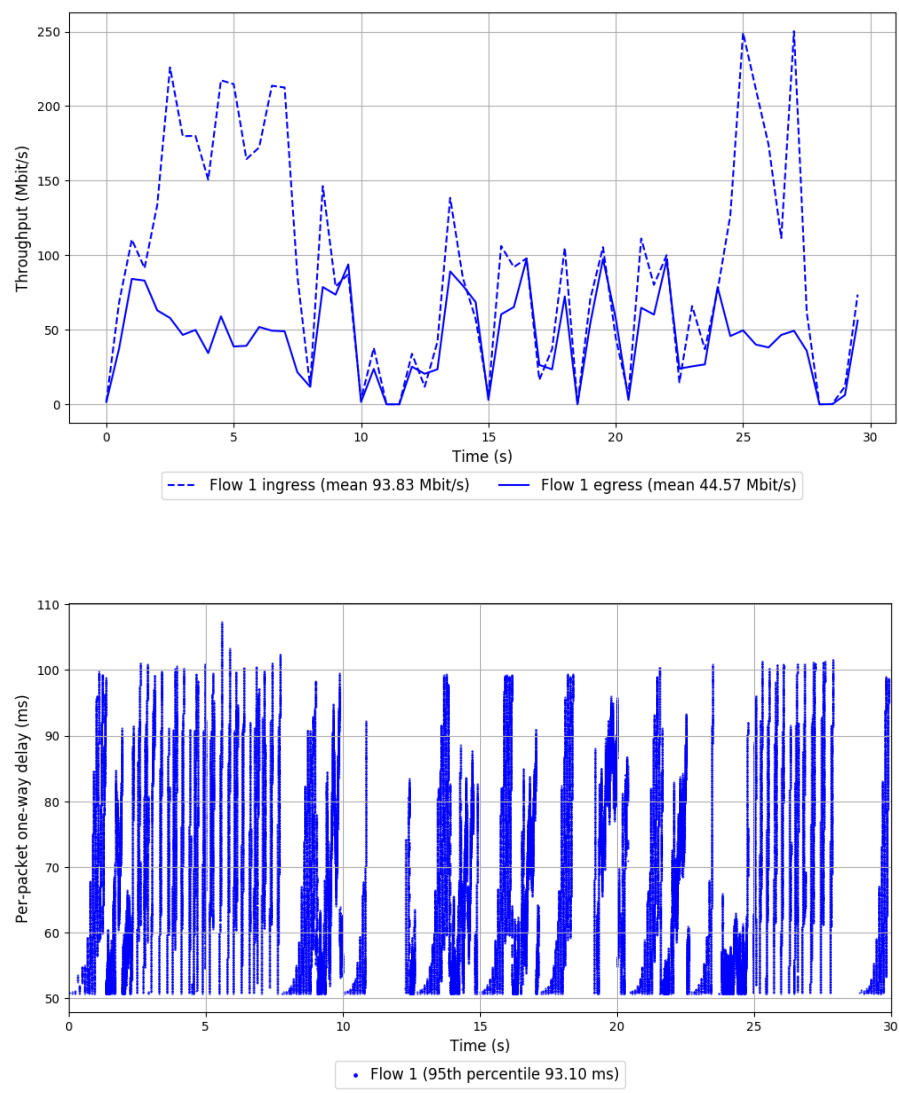
-- Flow 1:

Average throughput: 44.57 Mbit/s

95th percentile per-packet one-way delay: 93.102 ms

Loss rate: 52.48%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Sun, 16 Jul 2017 20:31:07 +0000

End at: Sun, 16 Jul 2017 20:31:37 +0000

Local clock offset: 0.43 ms

Remote clock offset: 1.185 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:10:02 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 56.96 Mbit/s

95th percentile per-packet one-way delay: 88.720 ms

Loss rate: 23.08%

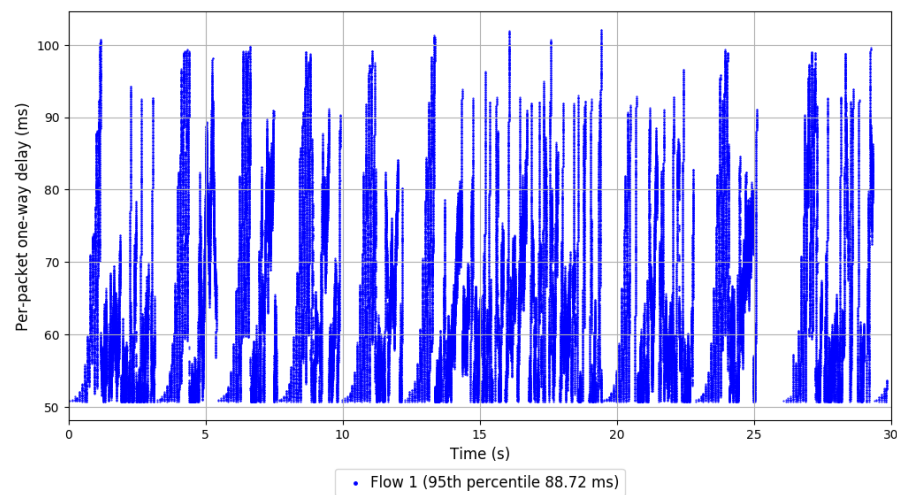
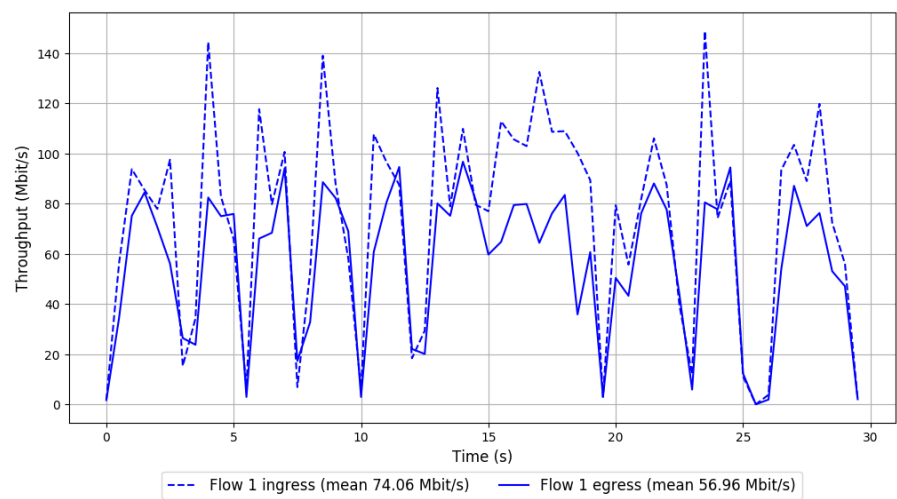
-- Flow 1:

Average throughput: 56.96 Mbit/s

95th percentile per-packet one-way delay: 88.720 ms

Loss rate: 23.08%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Sun, 16 Jul 2017 20:50:47 +0000

End at: Sun, 16 Jul 2017 20:51:17 +0000

Local clock offset: 0.421 ms

Remote clock offset: 0.95 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:10:06 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 51.36 Mbit/s

95th percentile per-packet one-way delay: 88.951 ms

Loss rate: 30.57%

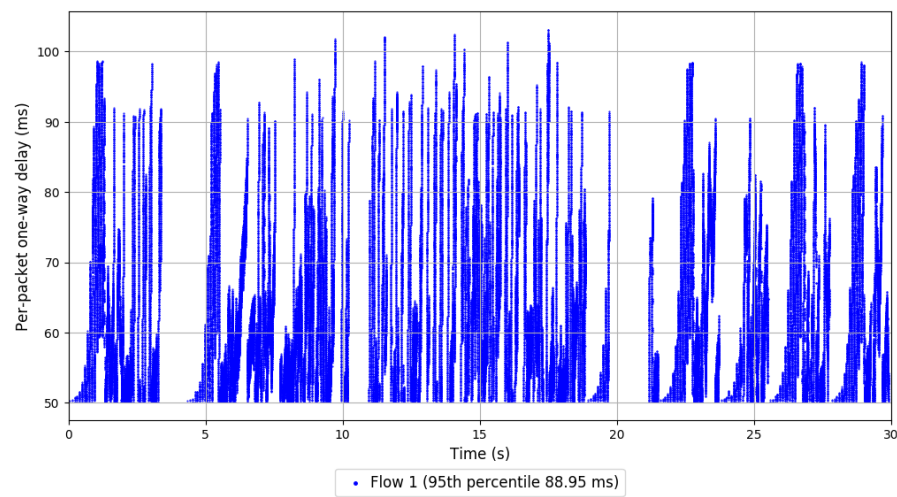
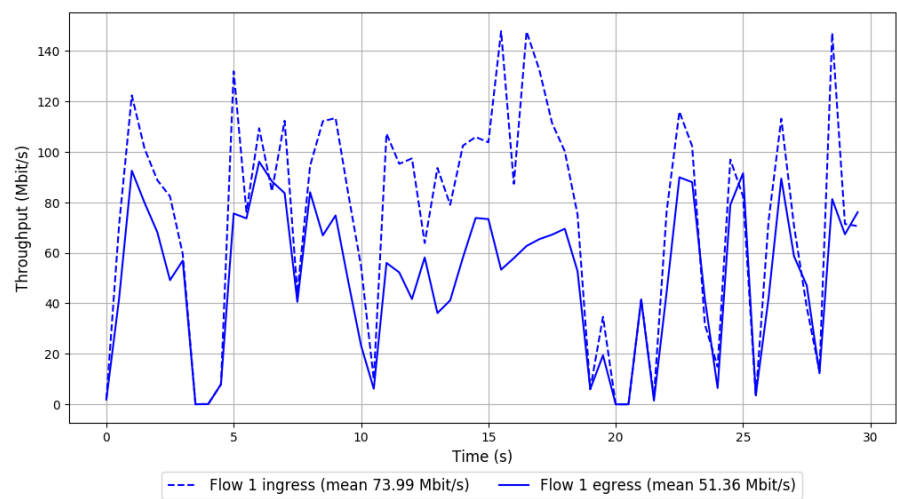
-- Flow 1:

Average throughput: 51.36 Mbit/s

95th percentile per-packet one-way delay: 88.951 ms

Loss rate: 30.57%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Sun, 16 Jul 2017 21:10:24 +0000

End at: Sun, 16 Jul 2017 21:10:54 +0000

Local clock offset: 0.429 ms

Remote clock offset: 2.051 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:10:11 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 57.31 Mbit/s

95th percentile per-packet one-way delay: 87.892 ms

Loss rate: 25.61%

-- Flow 1:

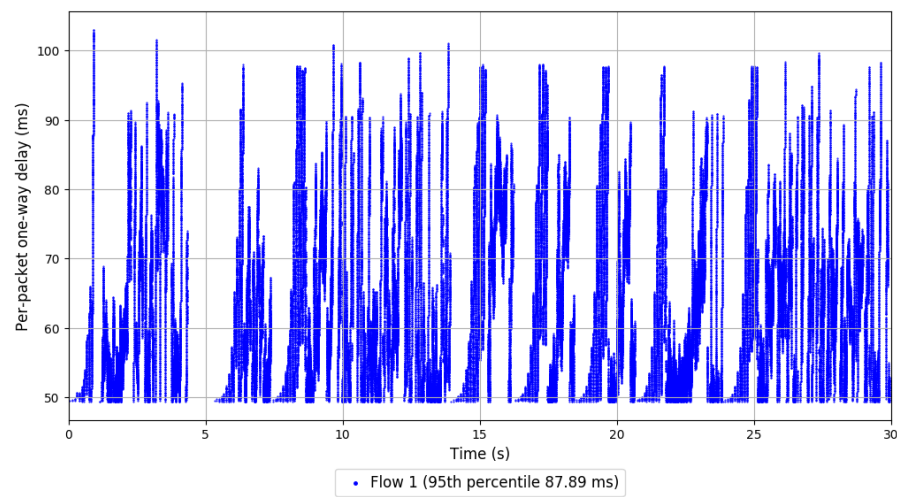
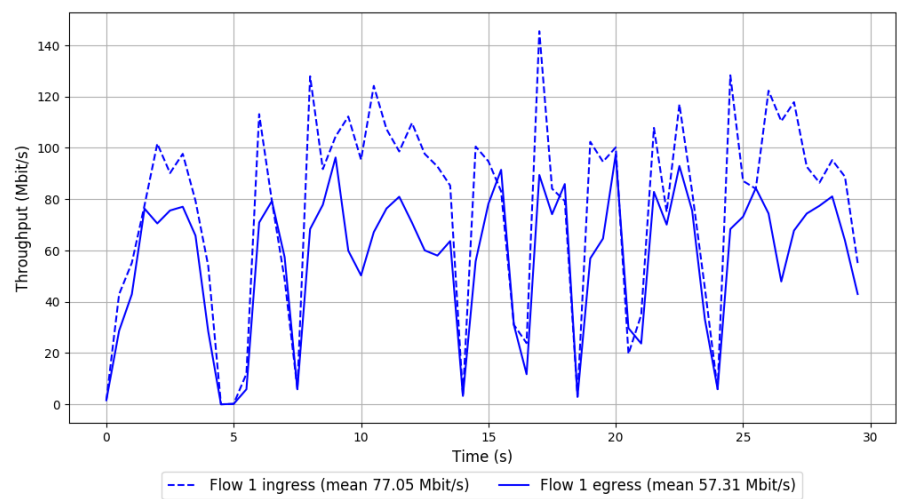
Average throughput: 57.31 Mbit/s

95th percentile per-packet one-way delay: 87.892 ms

Loss rate: 25.61%



Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Sun, 16 Jul 2017 21:29:58 +0000

End at: Sun, 16 Jul 2017 21:30:28 +0000

Local clock offset: 0.393 ms

Remote clock offset: -0.338 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:10:18 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 55.39 Mbit/s

95th percentile per-packet one-way delay: 91.387 ms

Loss rate: 65.20%

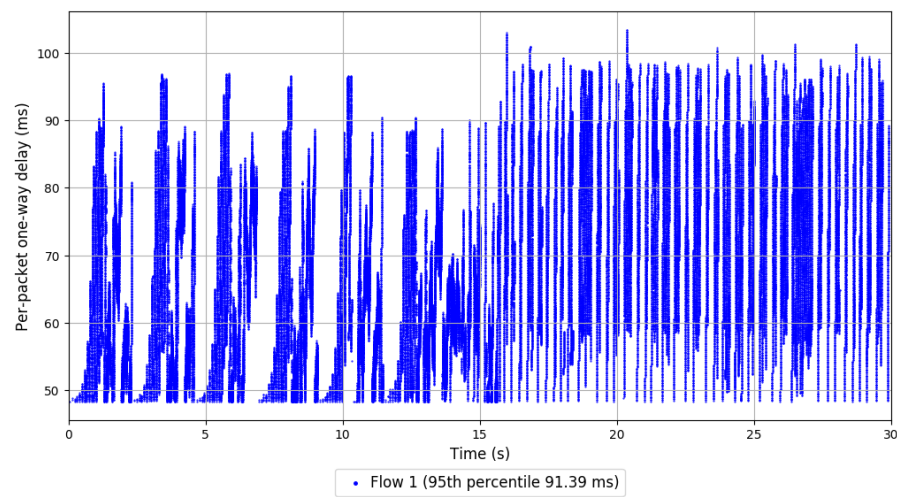
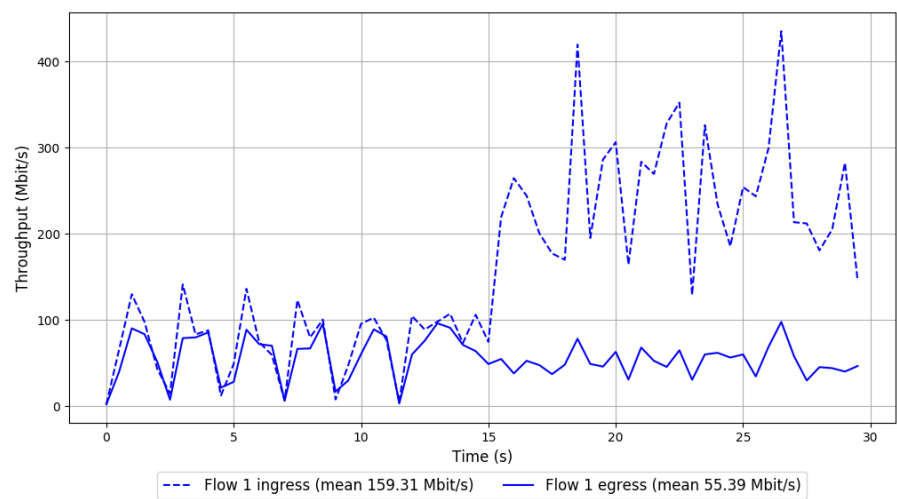
-- Flow 1:

Average throughput: 55.39 Mbit/s

95th percentile per-packet one-way delay: 91.387 ms

Loss rate: 65.20%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Sun, 16 Jul 2017 21:49:36 +0000

End at: Sun, 16 Jul 2017 21:50:06 +0000

Local clock offset: 0.581 ms

Remote clock offset: 2.36 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:10:19 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 47.57 Mbit/s

95th percentile per-packet one-way delay: 88.560 ms

Loss rate: 28.12%

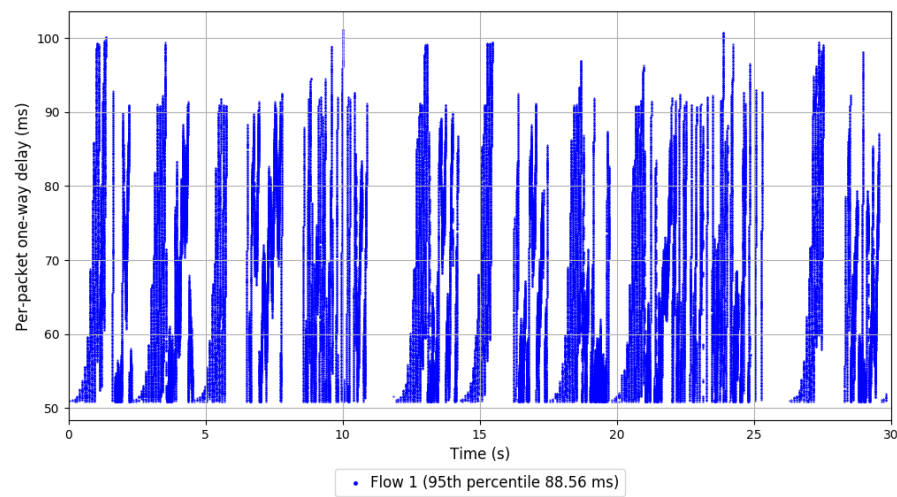
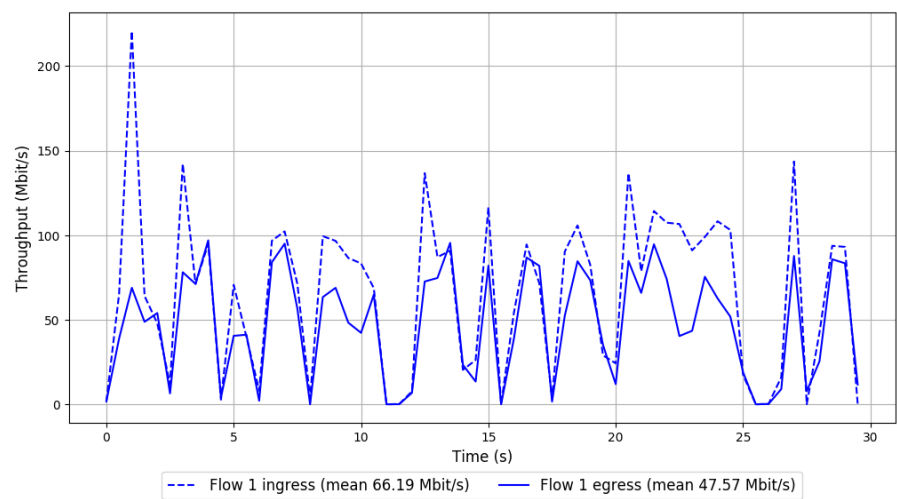
-- Flow 1:

Average throughput: 47.57 Mbit/s

95th percentile per-packet one-way delay: 88.560 ms

Loss rate: 28.12%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Sun, 16 Jul 2017 22:09:17 +0000

End at: Sun, 16 Jul 2017 22:09:47 +0000

Local clock offset: 0.772 ms

Remote clock offset: 2.248 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:10:30 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.85 Mbit/s

95th percentile per-packet one-way delay: 91.143 ms

Loss rate: 51.15%

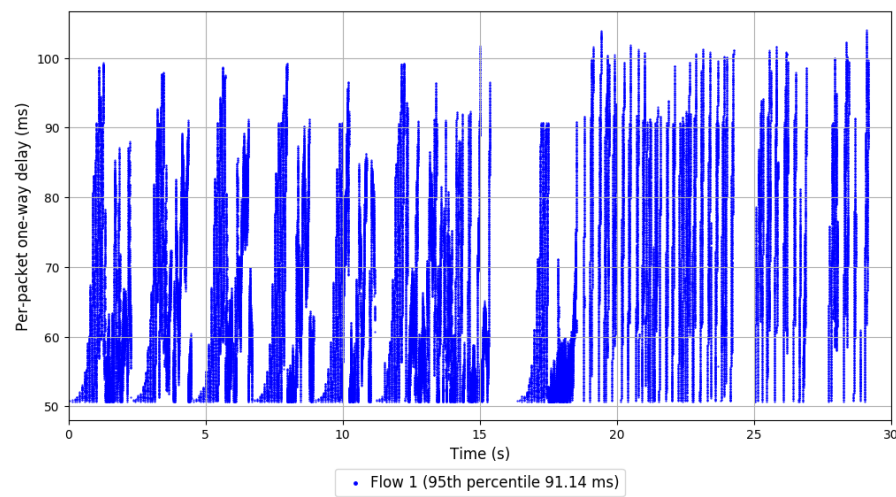
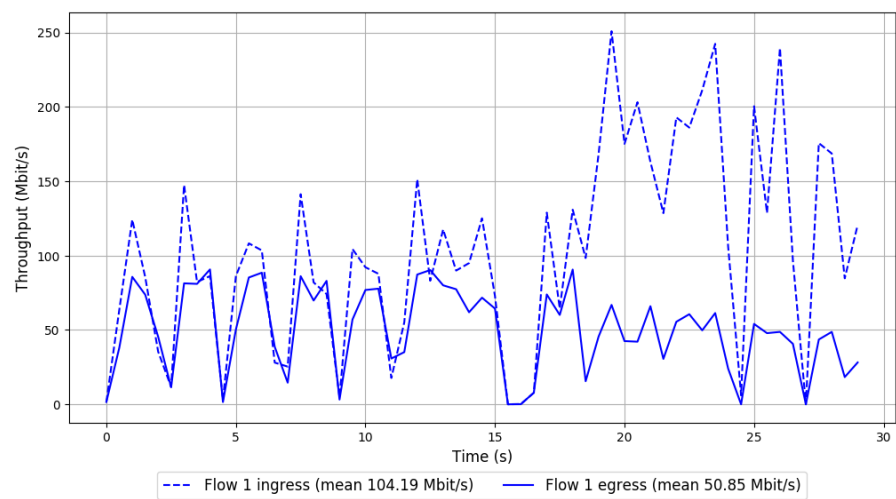
-- Flow 1:

Average throughput: 50.85 Mbit/s

95th percentile per-packet one-way delay: 91.143 ms

Loss rate: 51.15%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 19:18:57 +0000

End at: Sun, 16 Jul 2017 19:19:27 +0000

Local clock offset: 0.615 ms

Remote clock offset: 0.511 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:10:30 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.12 Mbit/s

95th percentile per-packet one-way delay: 51.720 ms

Loss rate: 0.00%

-- Flow 1:

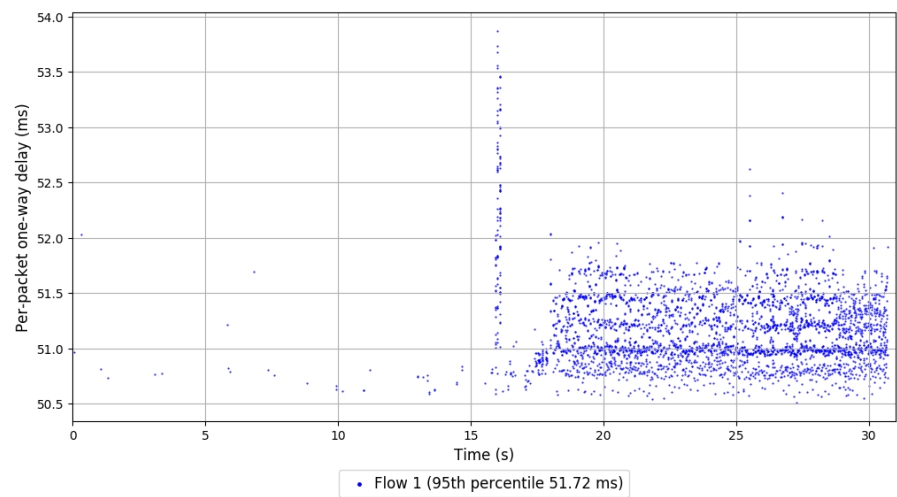
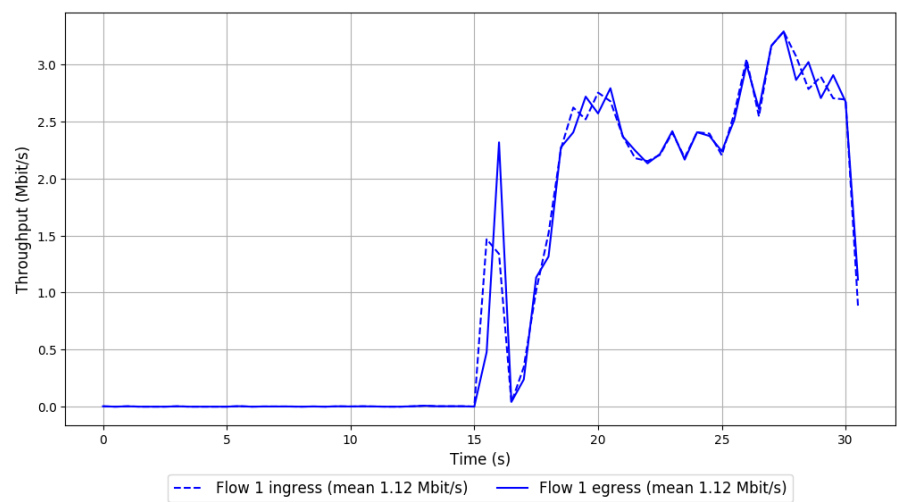
Average throughput: 1.12 Mbit/s

95th percentile per-packet one-way delay: 51.720 ms

Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 19:38:38 +0000

End at: Sun, 16 Jul 2017 19:39:08 +0000

Local clock offset: 0.543 ms

Remote clock offset: -1.462 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:10:30 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 49.253 ms

Loss rate: 0.04%

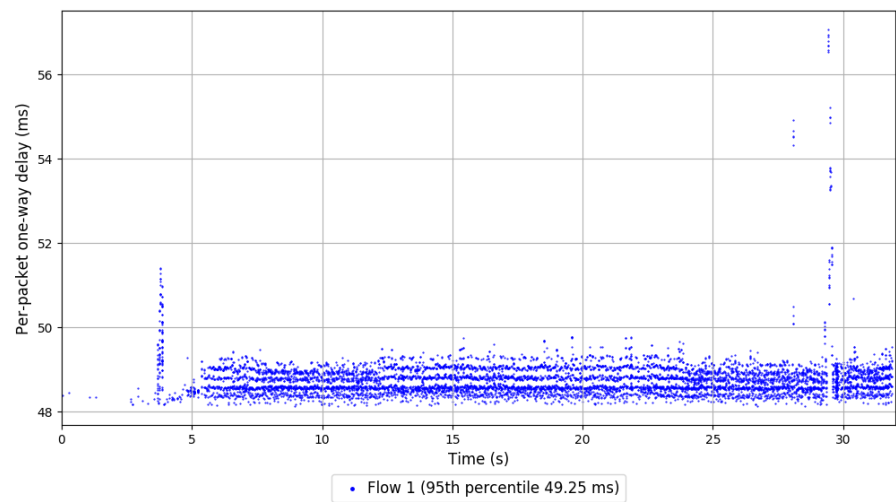
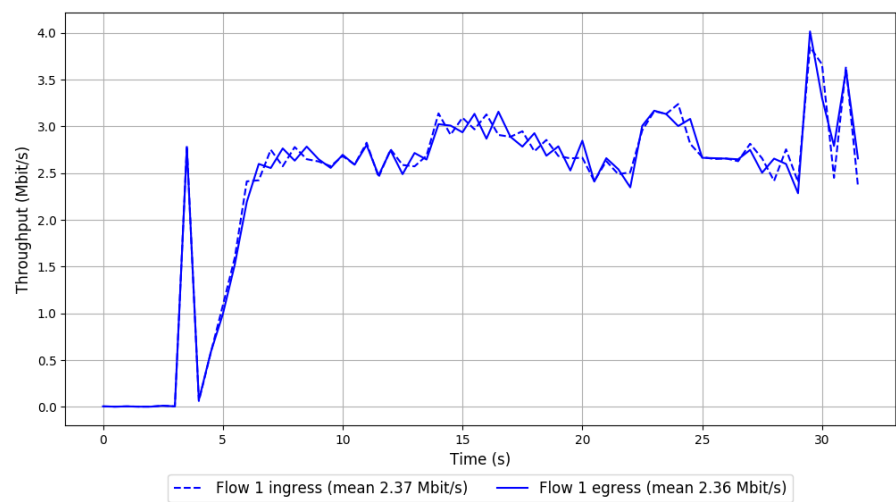
-- Flow 1:

Average throughput: 2.36 Mbit/s

95th percentile per-packet one-way delay: 49.253 ms

Loss rate: 0.04%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 19:58:21 +0000

End at: Sun, 16 Jul 2017 19:58:51 +0000

Local clock offset: 0.562 ms

Remote clock offset: 1.067 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:10:30 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.53 Mbit/s

95th percentile per-packet one-way delay: 51.677 ms

Loss rate: 0.07%

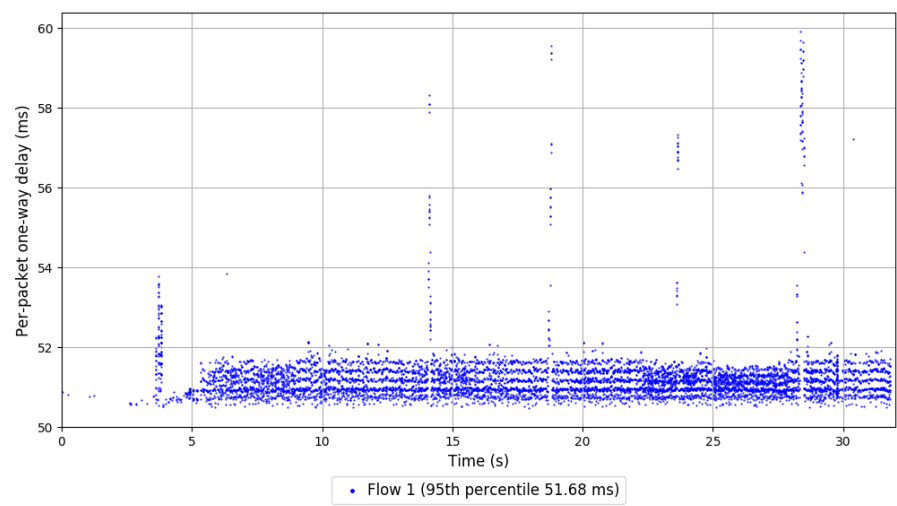
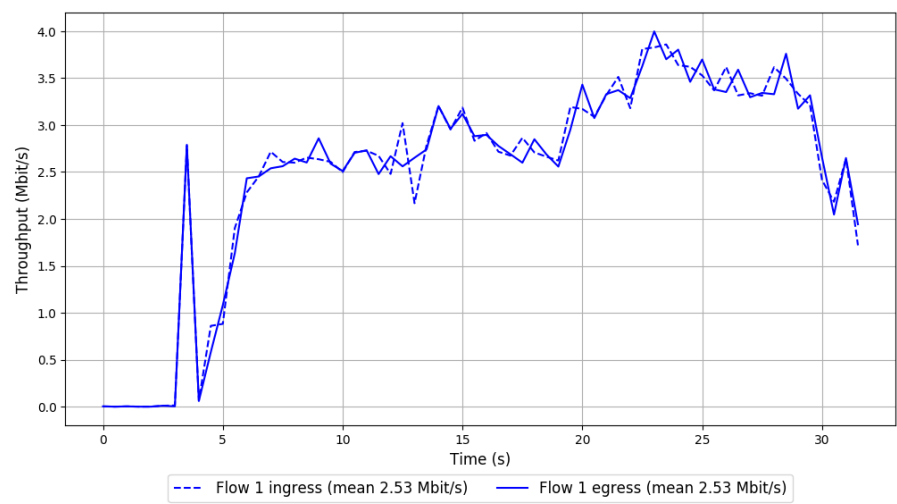
-- Flow 1:

Average throughput: 2.53 Mbit/s

95th percentile per-packet one-way delay: 51.677 ms

Loss rate: 0.07%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 20:18:02 +0000

End at: Sun, 16 Jul 2017 20:18:32 +0000

Local clock offset: 0.364 ms

Remote clock offset: 0.56 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:10:30 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 53.323 ms

Loss rate: 0.05%

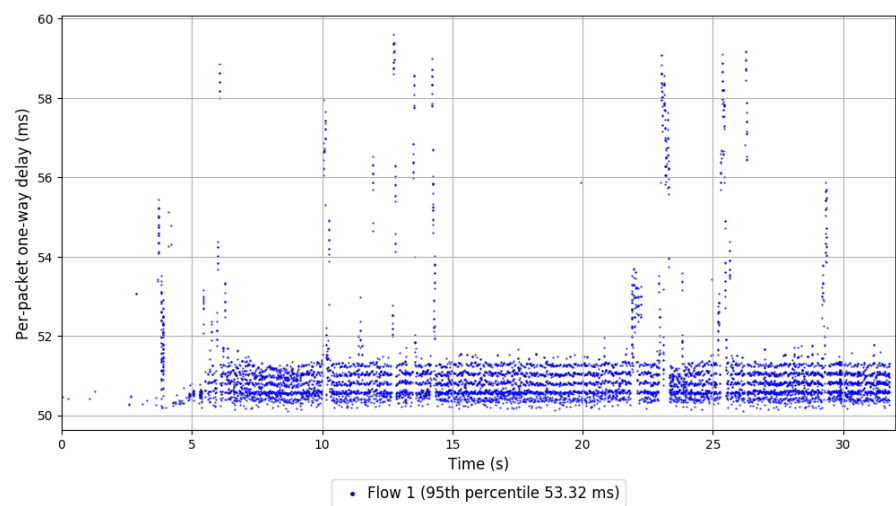
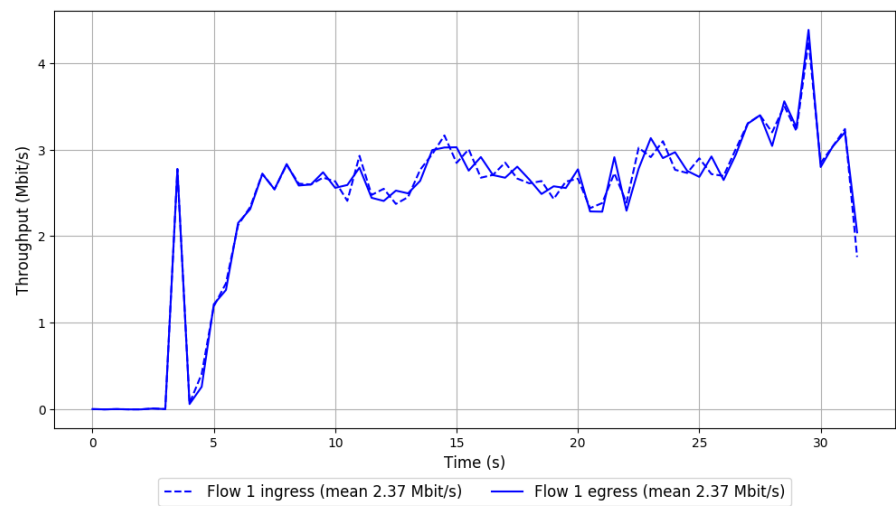
-- Flow 1:

Average throughput: 2.37 Mbit/s

95th percentile per-packet one-way delay: 53.323 ms

Loss rate: 0.05%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 20:37:34 +0000

End at: Sun, 16 Jul 2017 20:38:04 +0000

Local clock offset: 0.334 ms

Remote clock offset: 0.734 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:10:30 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 51.798 ms

Loss rate: 0.04%

-- Flow 1:

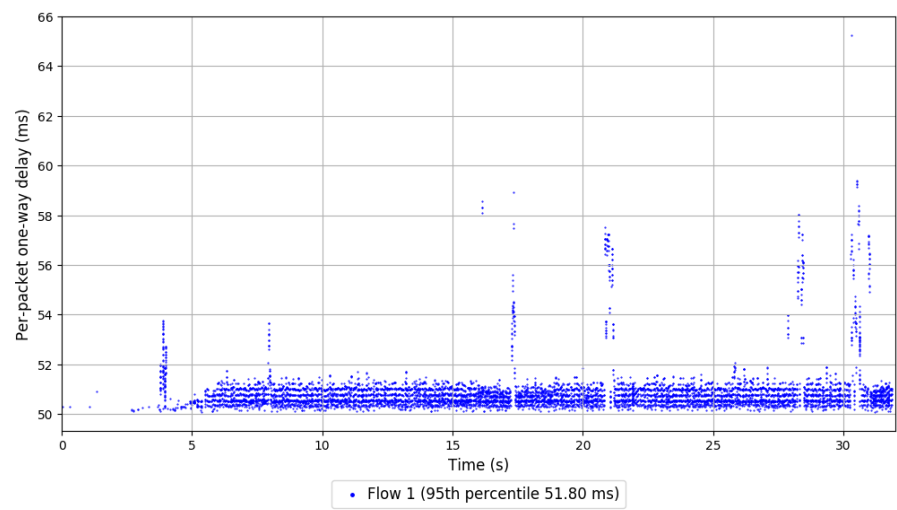
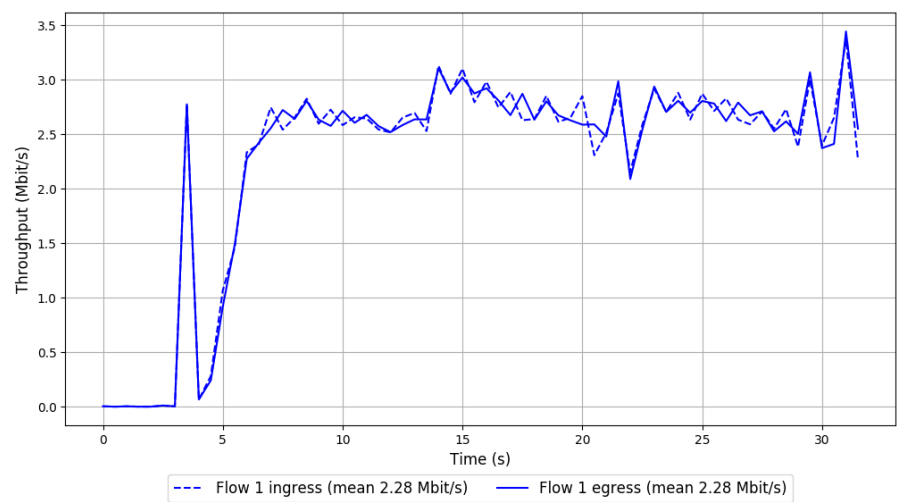
Average throughput: 2.28 Mbit/s

95th percentile per-packet one-way delay: 51.798 ms

Loss rate: 0.04%



Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 20:57:15 +0000

End at: Sun, 16 Jul 2017 20:57:45 +0000

Local clock offset: 0.399 ms

Remote clock offset: 1.053 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:10:30 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.57 Mbit/s

95th percentile per-packet one-way delay: 53.777 ms

Loss rate: 0.57%

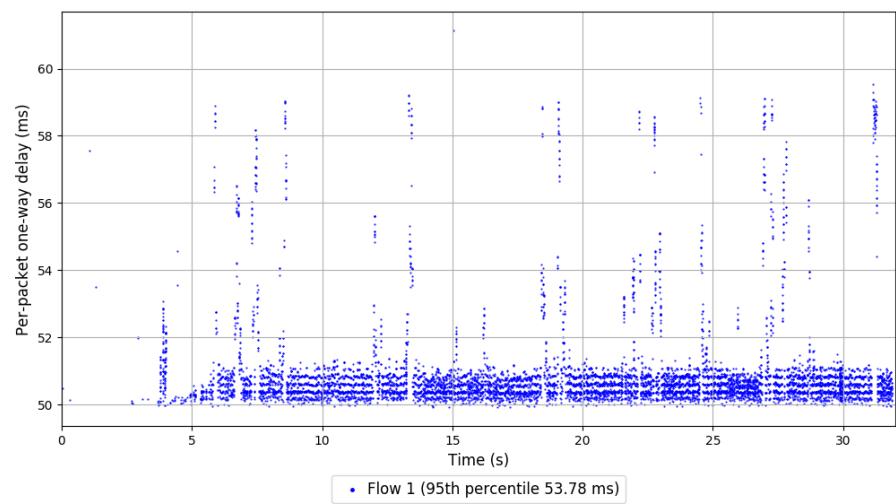
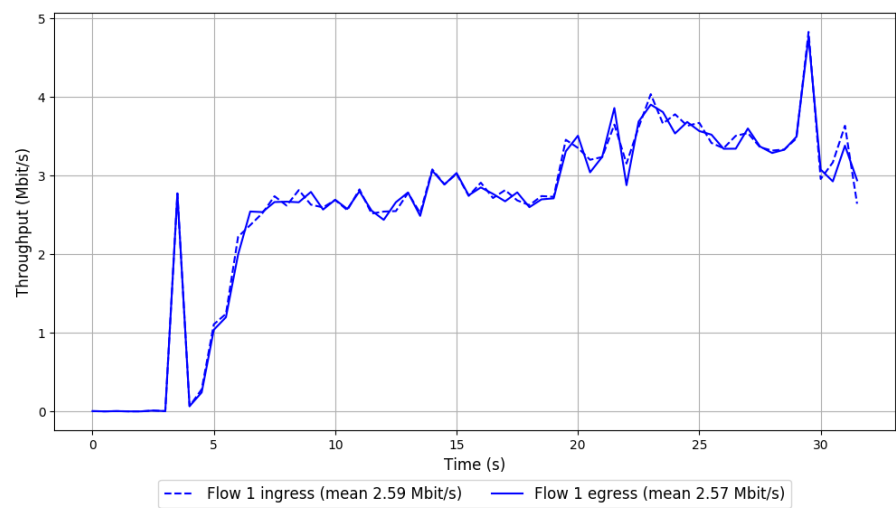
-- Flow 1:

Average throughput: 2.57 Mbit/s

95th percentile per-packet one-way delay: 53.777 ms

Loss rate: 0.57%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 21:16:52 +0000

End at: Sun, 16 Jul 2017 21:17:22 +0000

Local clock offset: 0.439 ms

Remote clock offset: 1.508 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:10:30 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.62 Mbit/s

95th percentile per-packet one-way delay: 54.256 ms

Loss rate: 0.21%

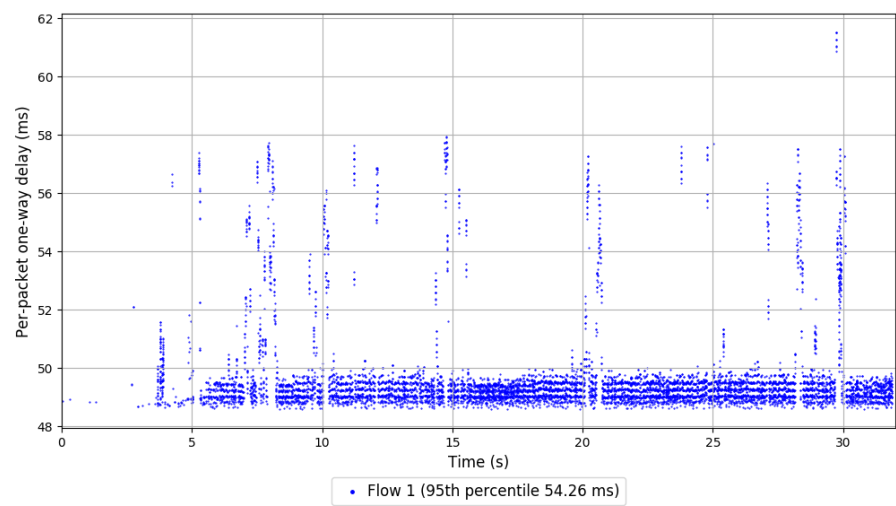
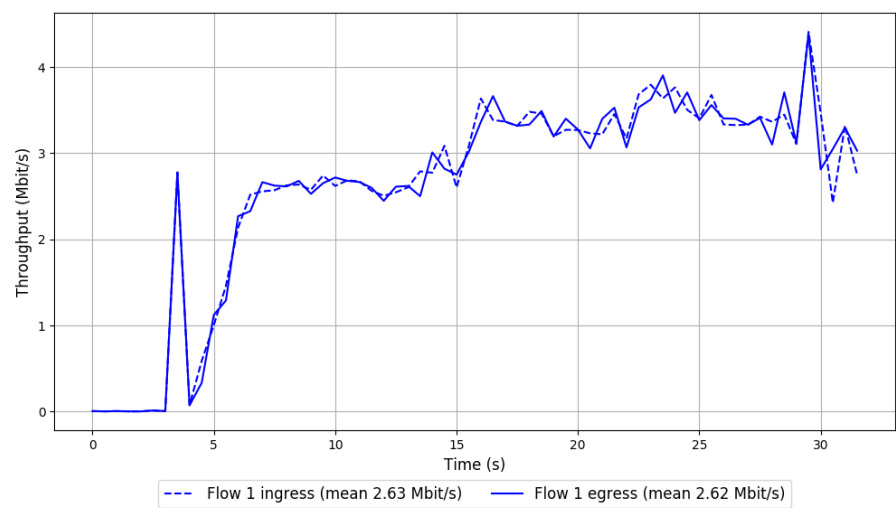
-- Flow 1:

Average throughput: 2.62 Mbit/s

95th percentile per-packet one-way delay: 54.256 ms

Loss rate: 0.21%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 21:36:27 +0000

End at: Sun, 16 Jul 2017 21:36:57 +0000

Local clock offset: 0.533 ms

Remote clock offset: 1.786 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:10:30 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.53 Mbit/s

95th percentile per-packet one-way delay: 51.314 ms

Loss rate: 0.04%

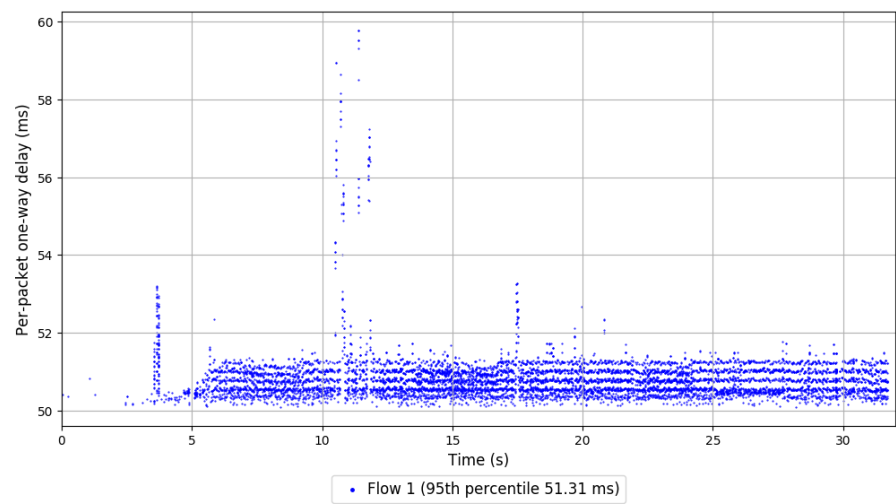
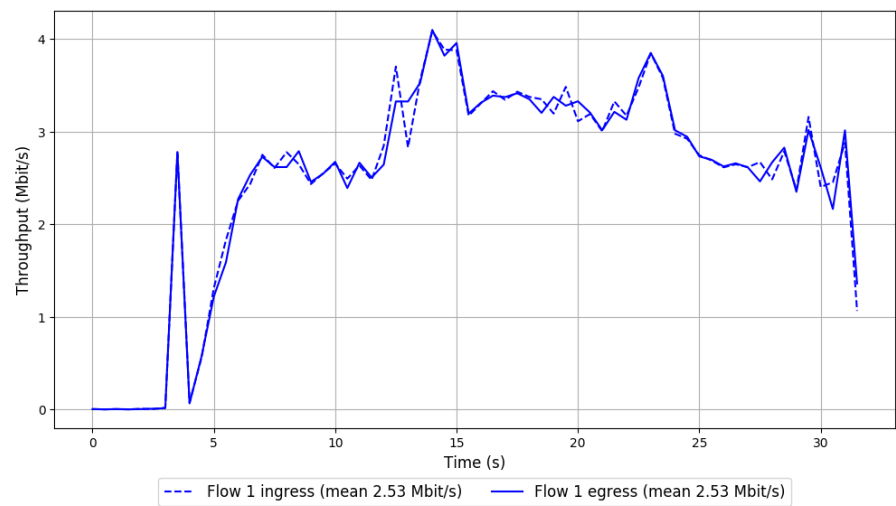
-- Flow 1:

Average throughput: 2.53 Mbit/s

95th percentile per-packet one-way delay: 51.314 ms

Loss rate: 0.04%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 21:56:07 +0000

End at: Sun, 16 Jul 2017 21:56:37 +0000

Local clock offset: 0.714 ms

Remote clock offset: 2.344 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:10:30 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.61 Mbit/s

95th percentile per-packet one-way delay: 51.660 ms

Loss rate: 0.09%

-- Flow 1:

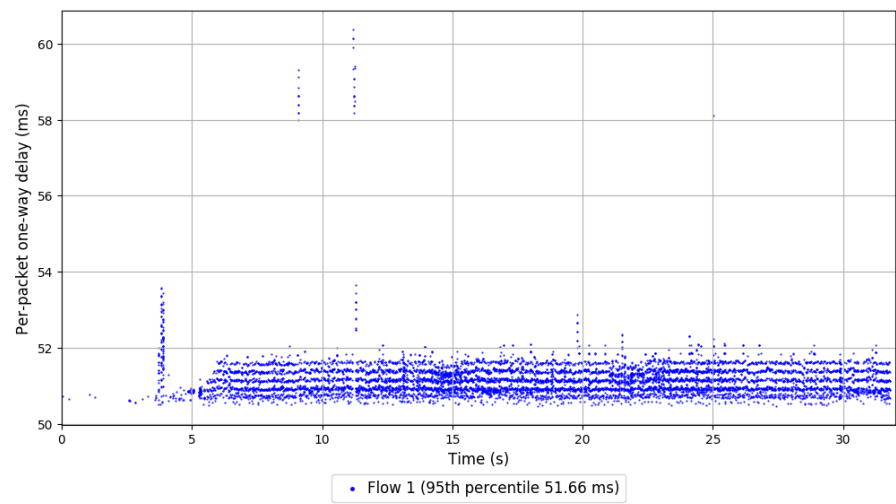
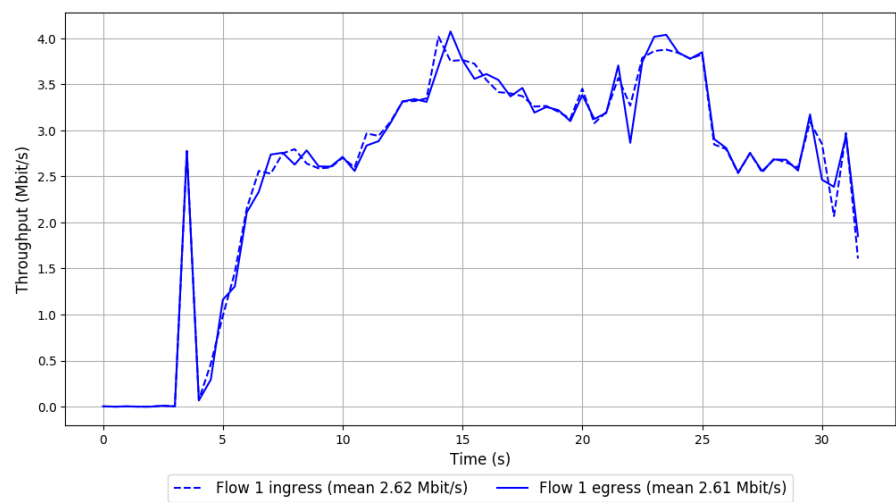
Average throughput: 2.61 Mbit/s

95th percentile per-packet one-way delay: 51.660 ms

Loss rate: 0.09%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 22:15:47 +0000

End at: Sun, 16 Jul 2017 22:16:17 +0000

Local clock offset: 0.763 ms

Remote clock offset: -0.38 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 02:10:30 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 49.183 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 2.30 Mbit/s

95th percentile per-packet one-way delay: 49.183 ms

Loss rate: 0.00%

Run 10: Report of WebRTC media — Data Link

