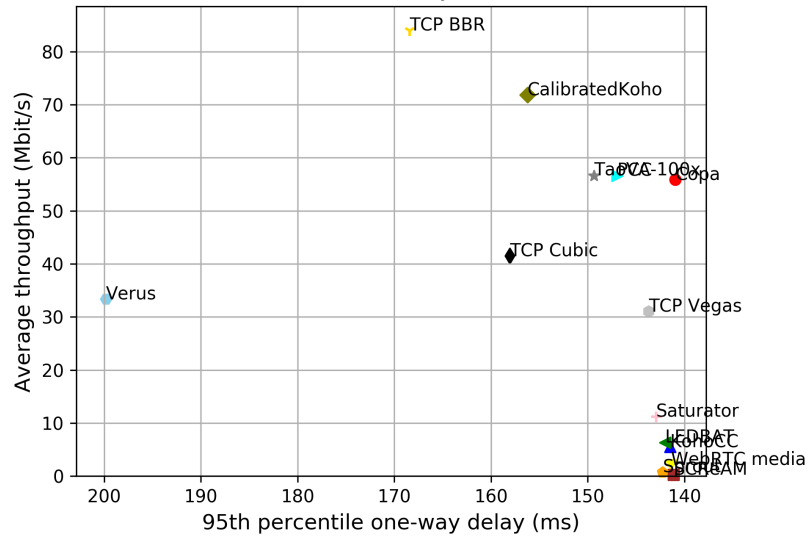


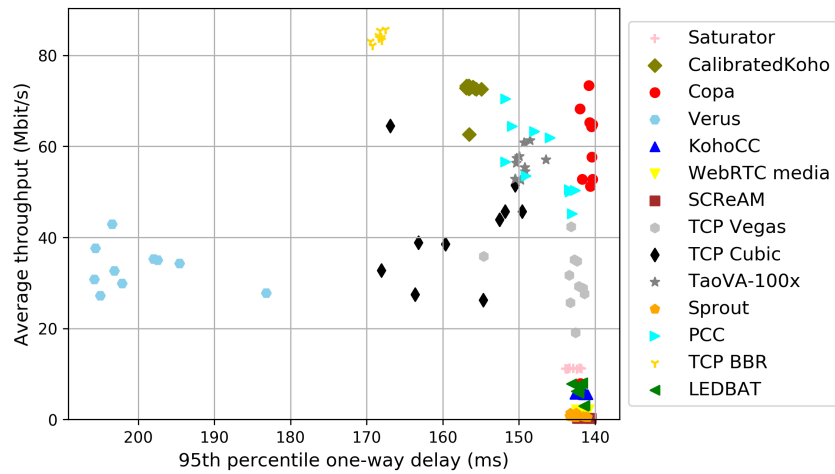
**Pantheon Summary** (Generated at Mon, 17 Jul 2017 01:41:02 +0000 with pantheon version d7b3554d9e52d3442ab19bc1e1c71f4629d4a0ac)  
 Repeated the test of 15 congestion control schemes 10 times.  
 Each test lasted for 30 seconds running 1 flow.  
 Data path: China Ethernet (*remote*) → AWS Korea Ethernet (*local*).  
 NTP offset measured against ntp.nict.jp 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 China Ethernet to AWS Korea Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from China Ethernet to AWS Korea 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	83.93	168.44	1.40
CalibratedKoho	10	71.82	156.24	1.10
Copa	10	55.85	140.94	0.69
TCP Cubic	10	41.50	158.06	1.18
KohoCC	10	5.50	141.47	0.74
LEDBAT	10	6.31	141.99	1.32
PCC	10	56.60	146.97	1.29
QUIC Cubic	10	nan	nan	nan
Saturator	10	11.19	142.94	0.80
SCReAM	10	0.22	141.13	0.69
Sprout	10	0.76	142.25	0.72
TaoVA-100x	10	56.61	149.37	1.35
TCP Vegas	10	31.02	143.73	0.65
Verus	10	33.34	199.83	37.70
WebRTC media	10	2.12	141.40	0.68

Run 1: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 22:24:39 +0000

End at: Sun, 16 Jul 2017 22:25:09 +0000

Local clock offset: -0.519 ms

Remote clock offset: -0.278 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:34:13 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.33 Mbit/s

95th percentile per-packet one-way delay: 167.995 ms

Loss rate: 1.56%

-- Flow 1:

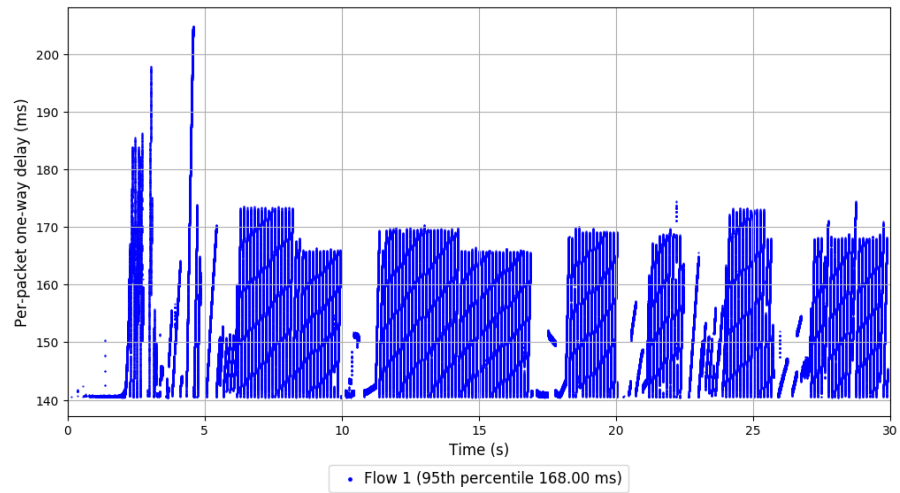
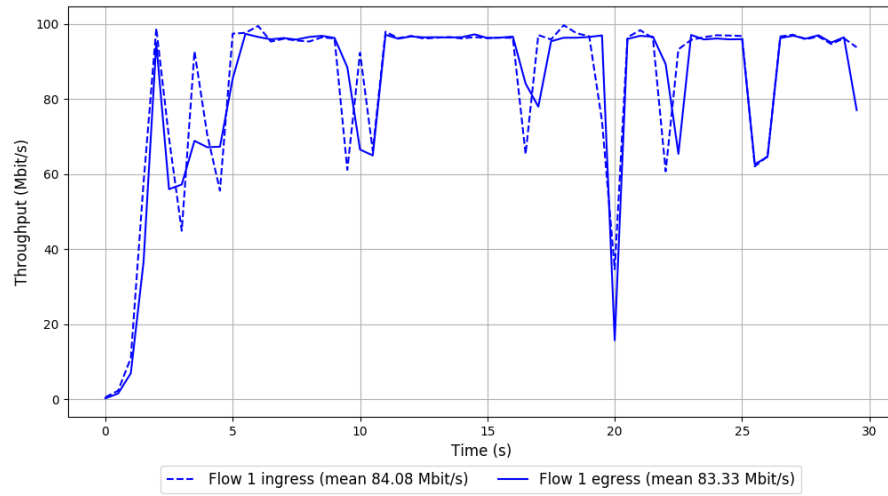
Average throughput: 83.33 Mbit/s

95th percentile per-packet one-way delay: 167.995 ms

Loss rate: 1.56%



# Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 22:43:05 +0000

End at: Sun, 16 Jul 2017 22:43:35 +0000

Local clock offset: -0.428 ms

Remote clock offset: -0.193 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:34:14 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.42 Mbit/s

95th percentile per-packet one-way delay: 168.247 ms

Loss rate: 1.44%

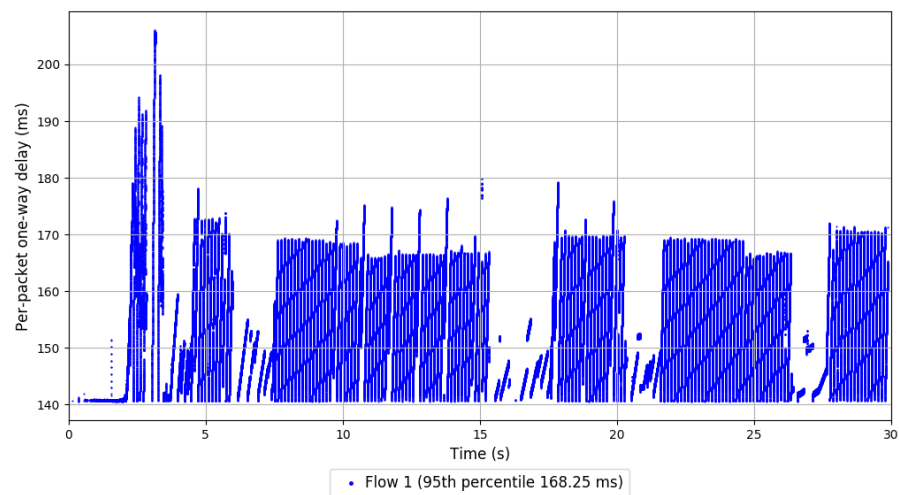
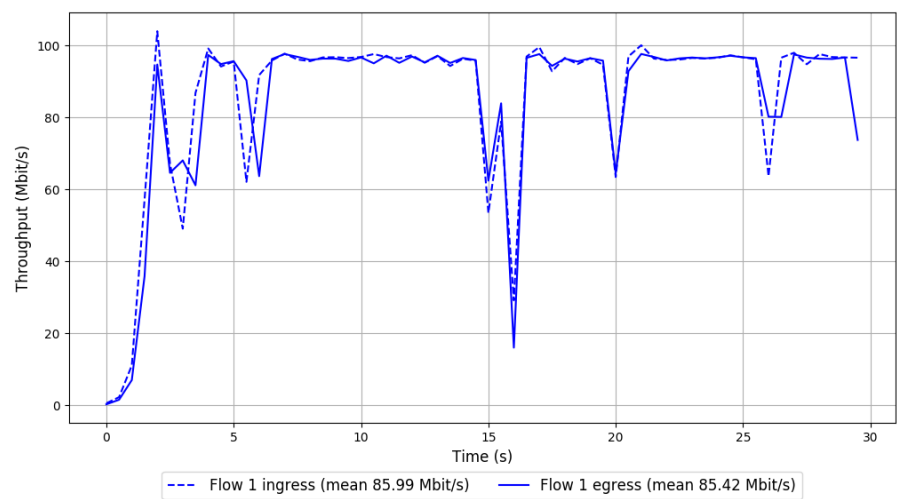
-- Flow 1:

Average throughput: 85.42 Mbit/s

95th percentile per-packet one-way delay: 168.247 ms

Loss rate: 1.44%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 23:01:24 +0000

End at: Sun, 16 Jul 2017 23:01:54 +0000

Local clock offset: -0.289 ms

Remote clock offset: 0.87 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:34:25 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.86 Mbit/s

95th percentile per-packet one-way delay: 168.085 ms

Loss rate: 1.30%

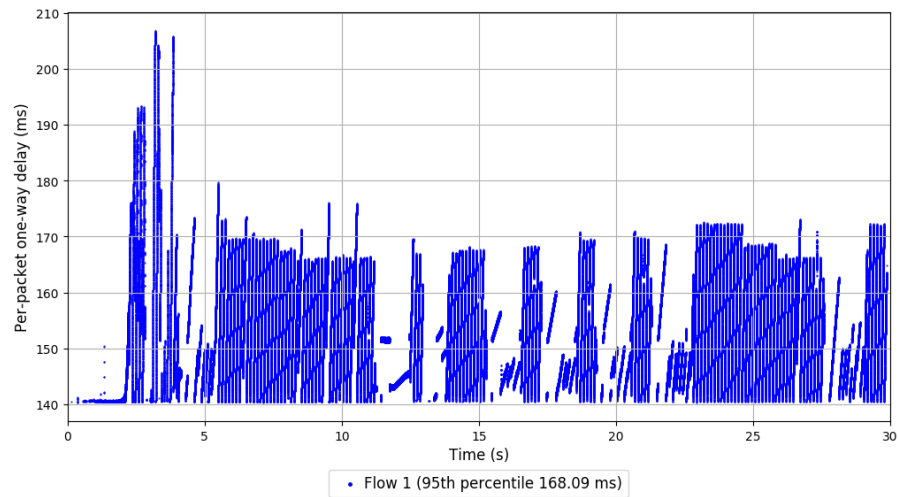
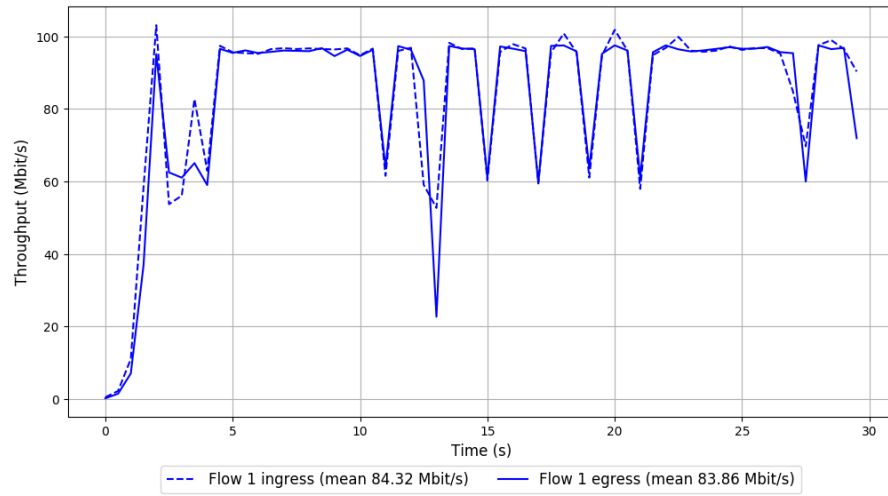
-- Flow 1:

Average throughput: 83.86 Mbit/s

95th percentile per-packet one-way delay: 168.085 ms

Loss rate: 1.30%

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



Run 4: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 23:19:50 +0000

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

Local clock offset: -0.141 ms

Remote clock offset: 2.105 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:34:25 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.15 Mbit/s

95th percentile per-packet one-way delay: 169.248 ms

Loss rate: 1.77%

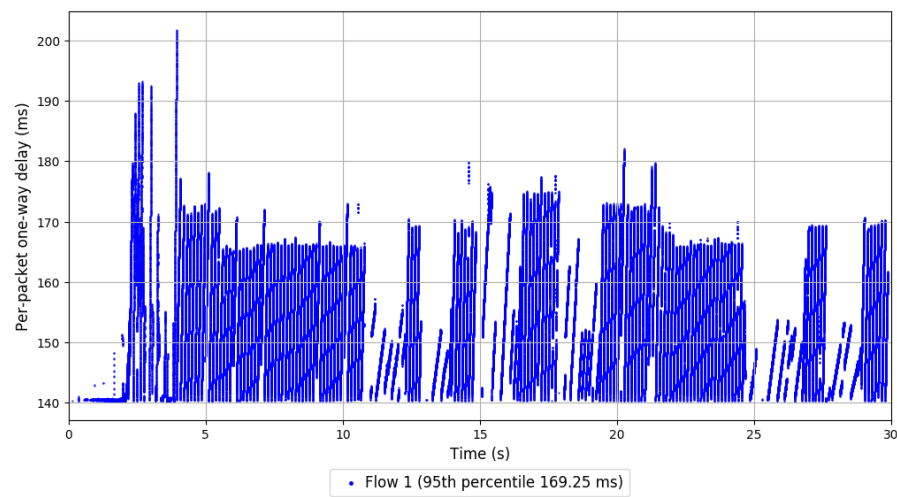
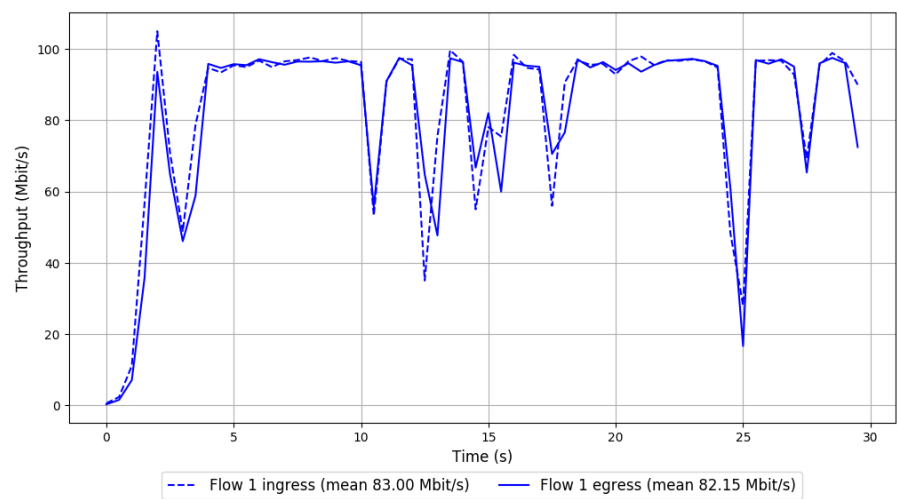
-- Flow 1:

Average throughput: 82.15 Mbit/s

95th percentile per-packet one-way delay: 169.248 ms

Loss rate: 1.77%

Run 4: Report of TCP BBR — Data Link



Run 5: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 23:38:26 +0000

End at: Sun, 16 Jul 2017 23:38:56 +0000

Local clock offset: -0.262 ms

Remote clock offset: 1.435 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:34:36 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.62 Mbit/s

95th percentile per-packet one-way delay: 167.527 ms

Loss rate: 1.26%

-- Flow 1:

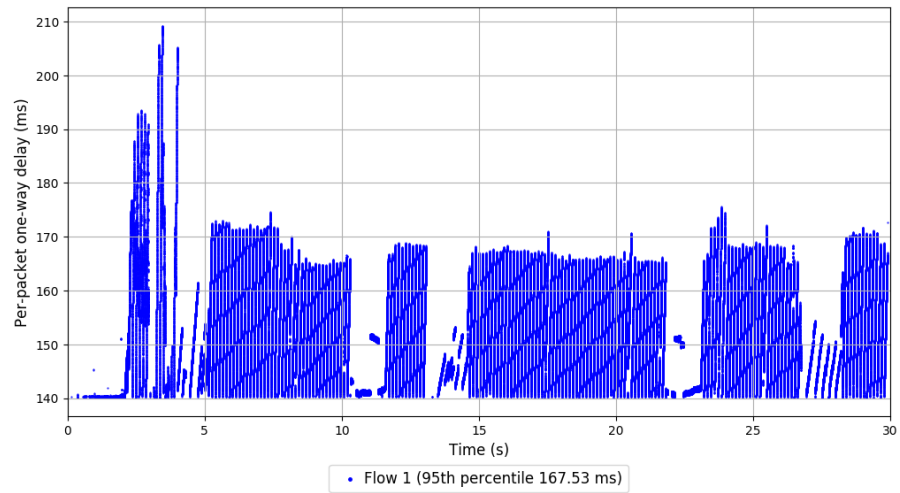
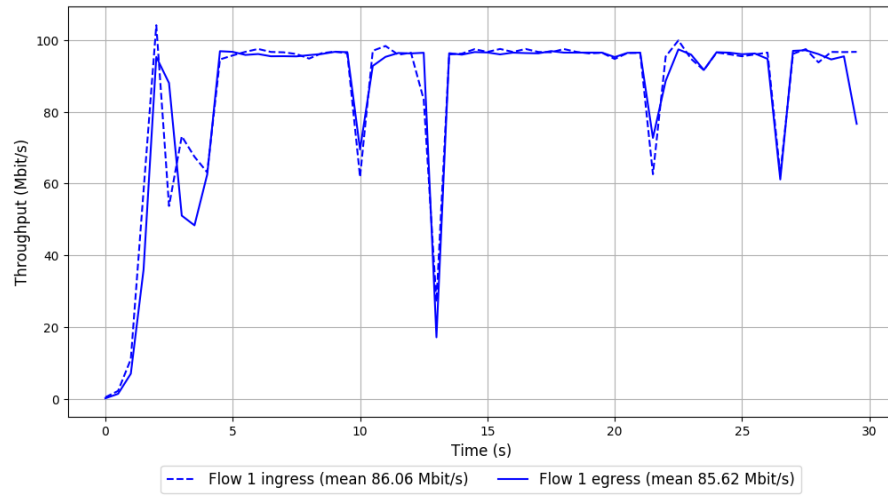
Average throughput: 85.62 Mbit/s

95th percentile per-packet one-way delay: 167.527 ms

Loss rate: 1.26%



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



Run 6: Statistics of TCP BBR

Start at: Sun, 16 Jul 2017 23:56:53 +0000

End at: Sun, 16 Jul 2017 23:57:23 +0000

Local clock offset: -0.047 ms

Remote clock offset: 0.802 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:34:37 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 84.24 Mbit/s

95th percentile per-packet one-way delay: 168.449 ms

Loss rate: 1.23%

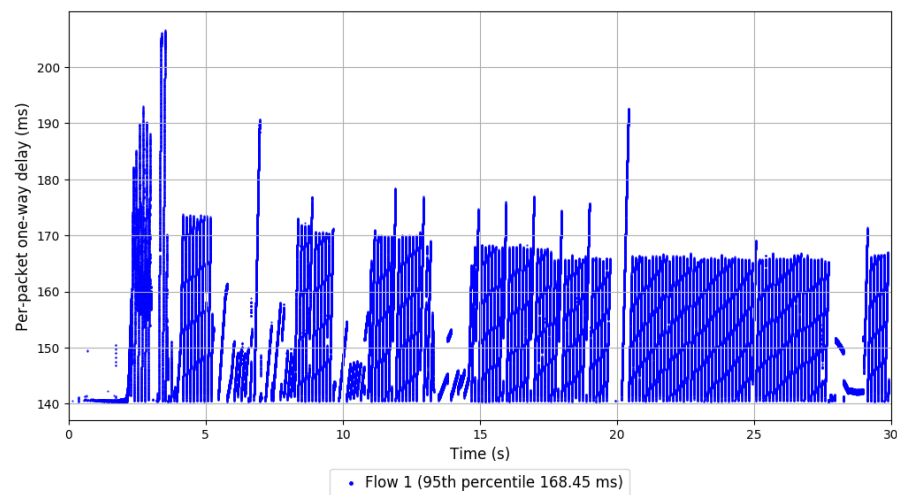
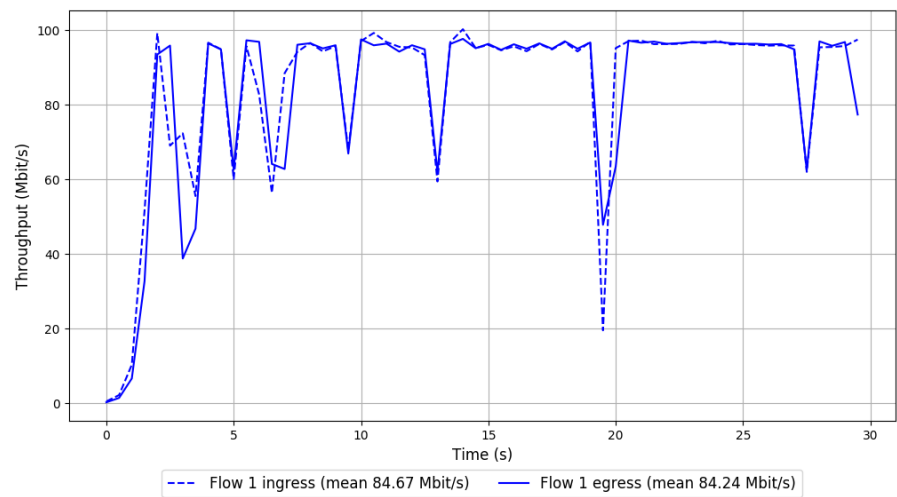
-- Flow 1:

Average throughput: 84.24 Mbit/s

95th percentile per-packet one-way delay: 168.449 ms

Loss rate: 1.23%

Run 6: Report of TCP BBR — Data Link



Run 7: Statistics of TCP BBR

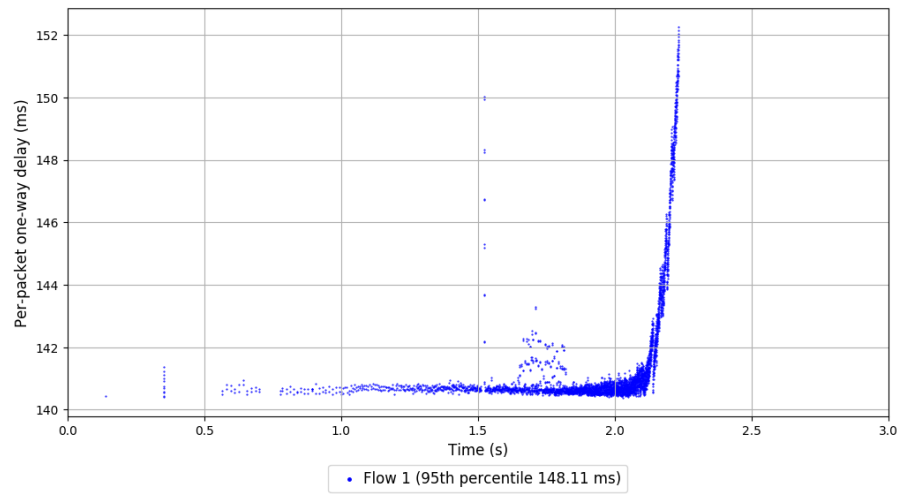
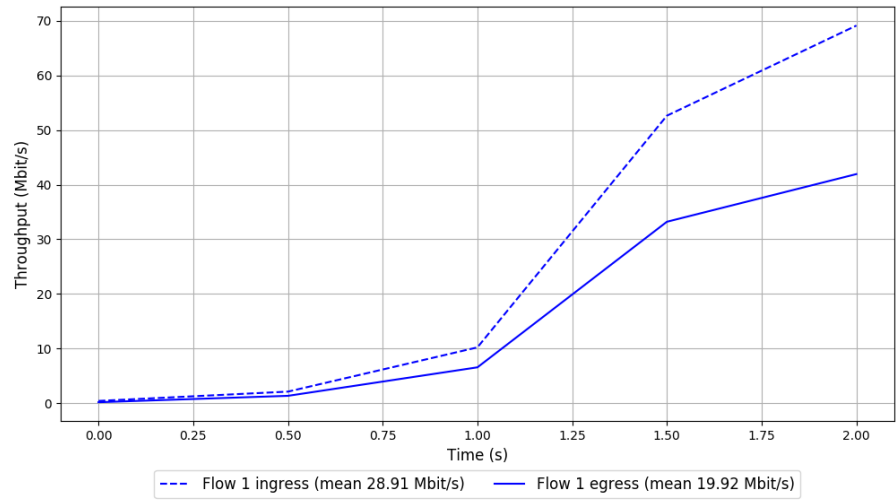
Start at: Mon, 17 Jul 2017 00:15:25 +0000

End at: Mon, 17 Jul 2017 00:15:55 +0000

Local clock offset: -0.184 ms

Remote clock offset: 1.581 ms

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



Run 8: Statistics of TCP BBR

Start at: Mon, 17 Jul 2017 00:33:34 +0000

End at: Mon, 17 Jul 2017 00:34:04 +0000

Local clock offset: -0.205 ms

Remote clock offset: 1.725 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:34:49 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.78 Mbit/s

95th percentile per-packet one-way delay: 168.431 ms

Loss rate: 1.19%

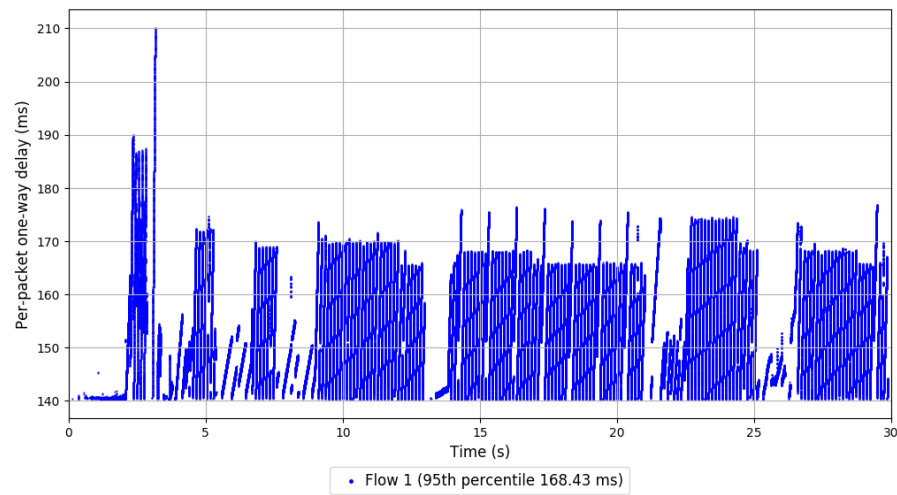
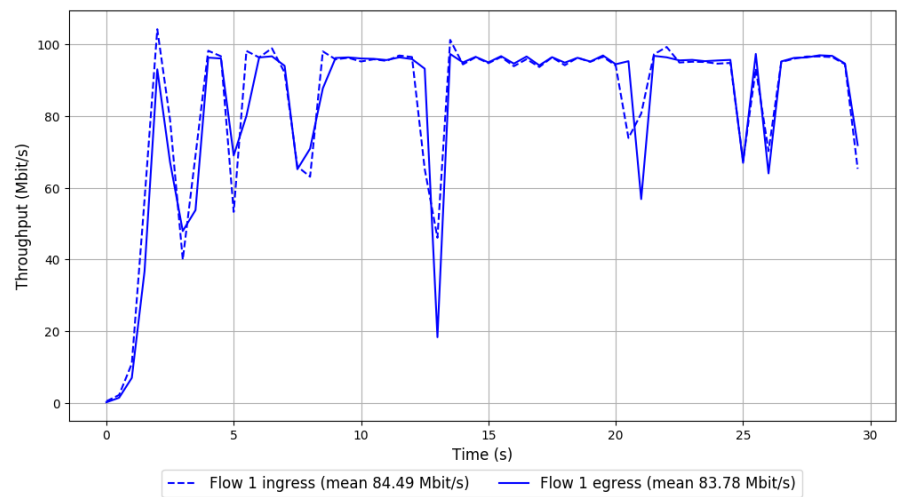
-- Flow 1:

Average throughput: 83.78 Mbit/s

95th percentile per-packet one-way delay: 168.431 ms

Loss rate: 1.19%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Mon, 17 Jul 2017 00:51:50 +0000

End at: Mon, 17 Jul 2017 00:52:20 +0000

Local clock offset: 1.307 ms

Remote clock offset: 1.391 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:34:49 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.04 Mbit/s

95th percentile per-packet one-way delay: 169.509 ms

Loss rate: 1.41%

-- Flow 1:

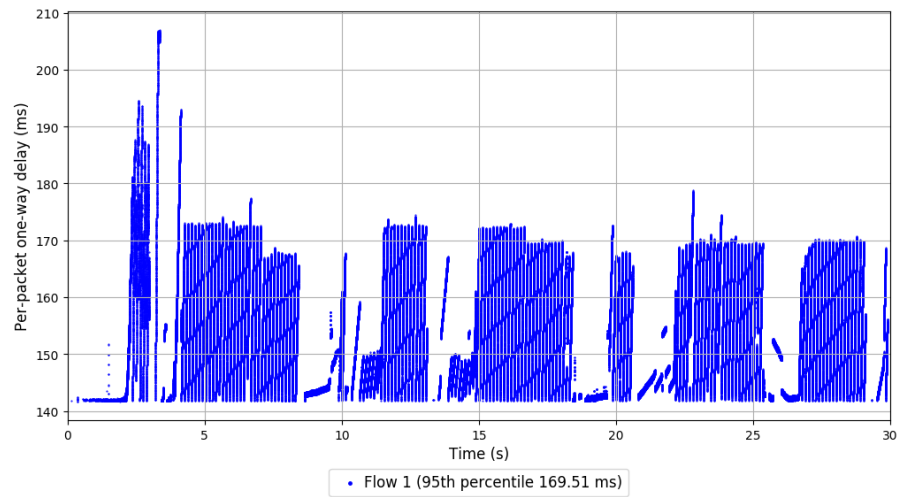
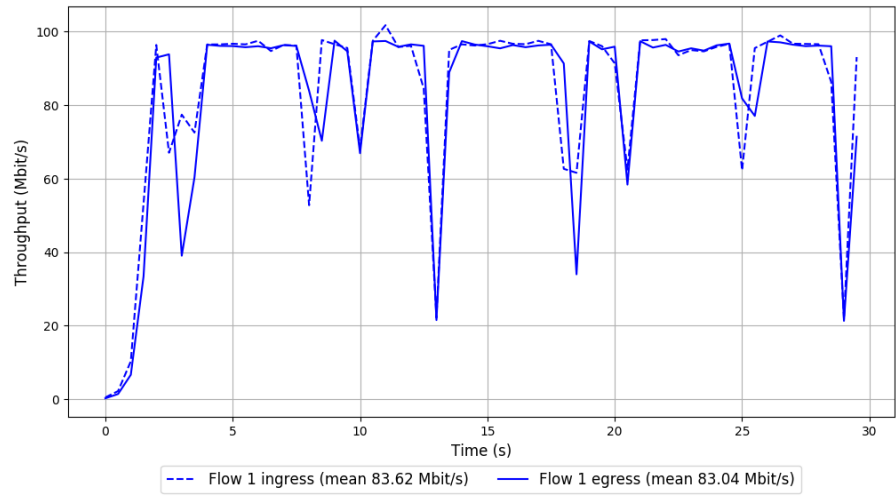
Average throughput: 83.04 Mbit/s

95th percentile per-packet one-way delay: 169.509 ms

Loss rate: 1.41%



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



Run 10: Statistics of TCP BBR

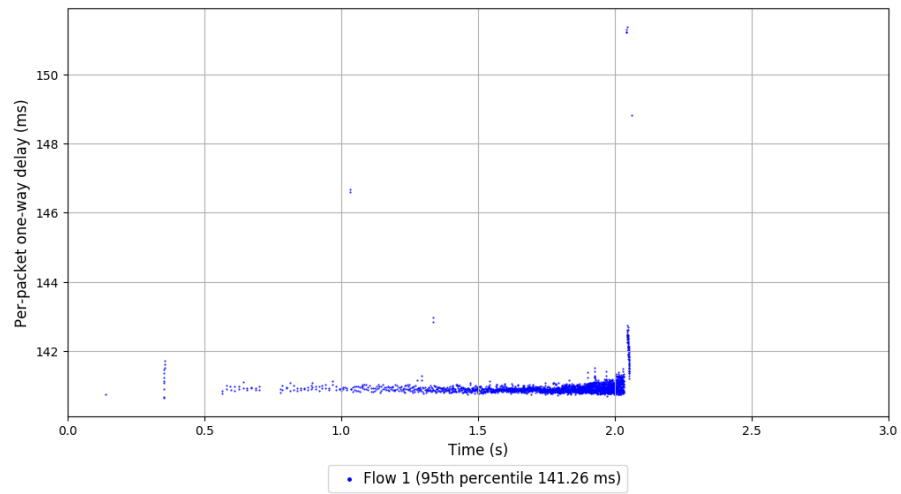
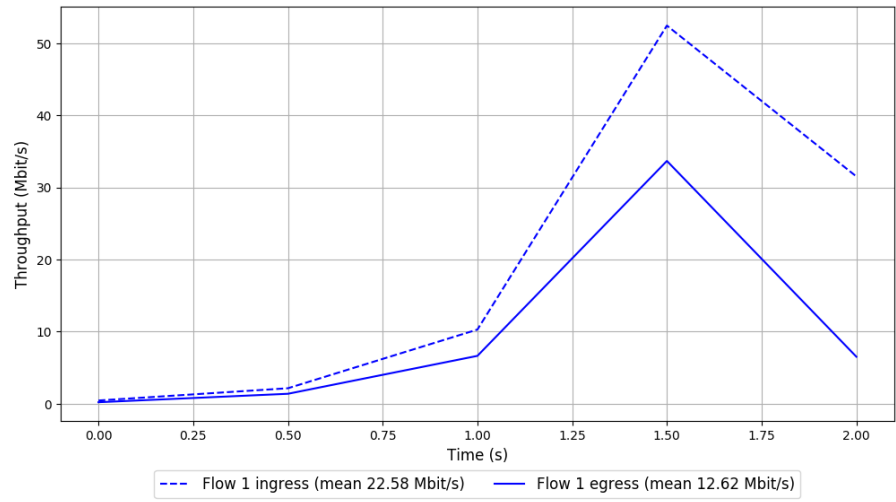
Start at: Mon, 17 Jul 2017 01:10:08 +0000

End at: Mon, 17 Jul 2017 01:10:38 +0000

Local clock offset: -0.133 ms

Remote clock offset: 1.499 ms

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



Run 1: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 22:20:55 +0000

End at: Sun, 16 Jul 2017 22:21:25 +0000

Local clock offset: 0.84 ms

Remote clock offset: -0.243 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:34:59 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.55 Mbit/s

95th percentile per-packet one-way delay: 155.600 ms

Loss rate: 0.98%

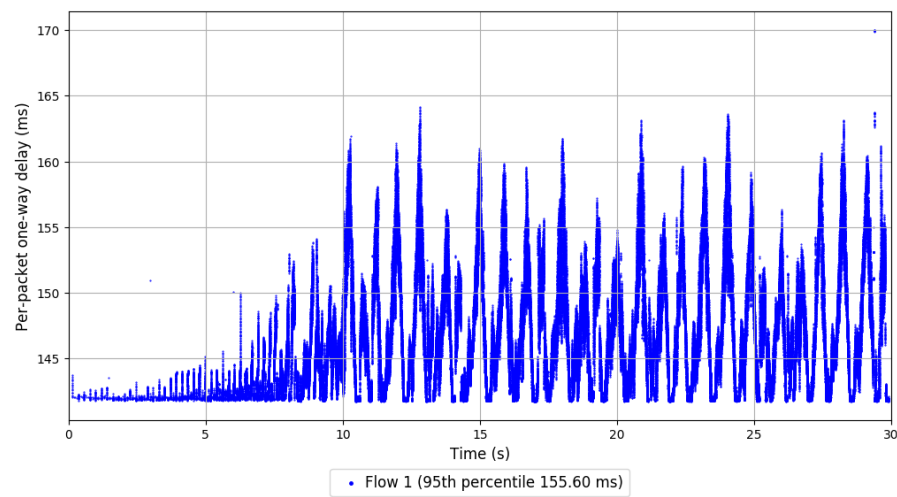
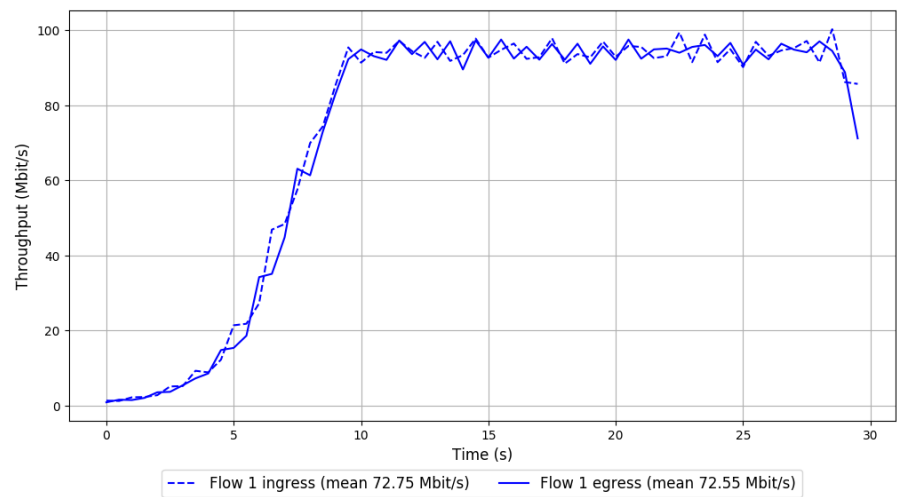
-- Flow 1:

Average throughput: 72.55 Mbit/s

95th percentile per-packet one-way delay: 155.600 ms

Loss rate: 0.98%

Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 22:39:20 +0000

End at: Sun, 16 Jul 2017 22:39:50 +0000

Local clock offset: 0.827 ms

Remote clock offset: -0.37 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:00 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.66 Mbit/s

95th percentile per-packet one-way delay: 156.570 ms

Loss rate: 1.14%

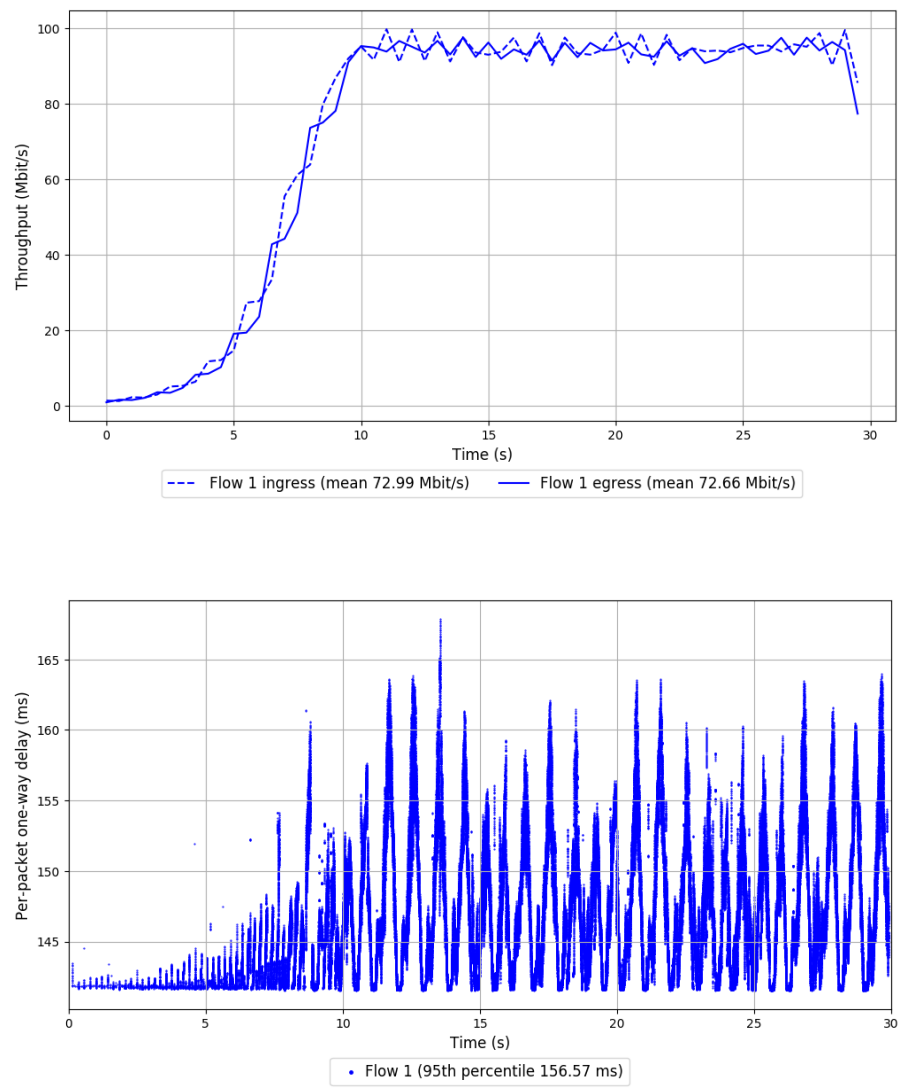
-- Flow 1:

Average throughput: 72.66 Mbit/s

95th percentile per-packet one-way delay: 156.570 ms

Loss rate: 1.14%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 22:57:41 +0000

End at: Sun, 16 Jul 2017 22:58:11 +0000

Local clock offset: 1.024 ms

Remote clock offset: 0.427 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:09 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.28 Mbit/s

95th percentile per-packet one-way delay: 156.870 ms

Loss rate: 1.20%

-- Flow 1:

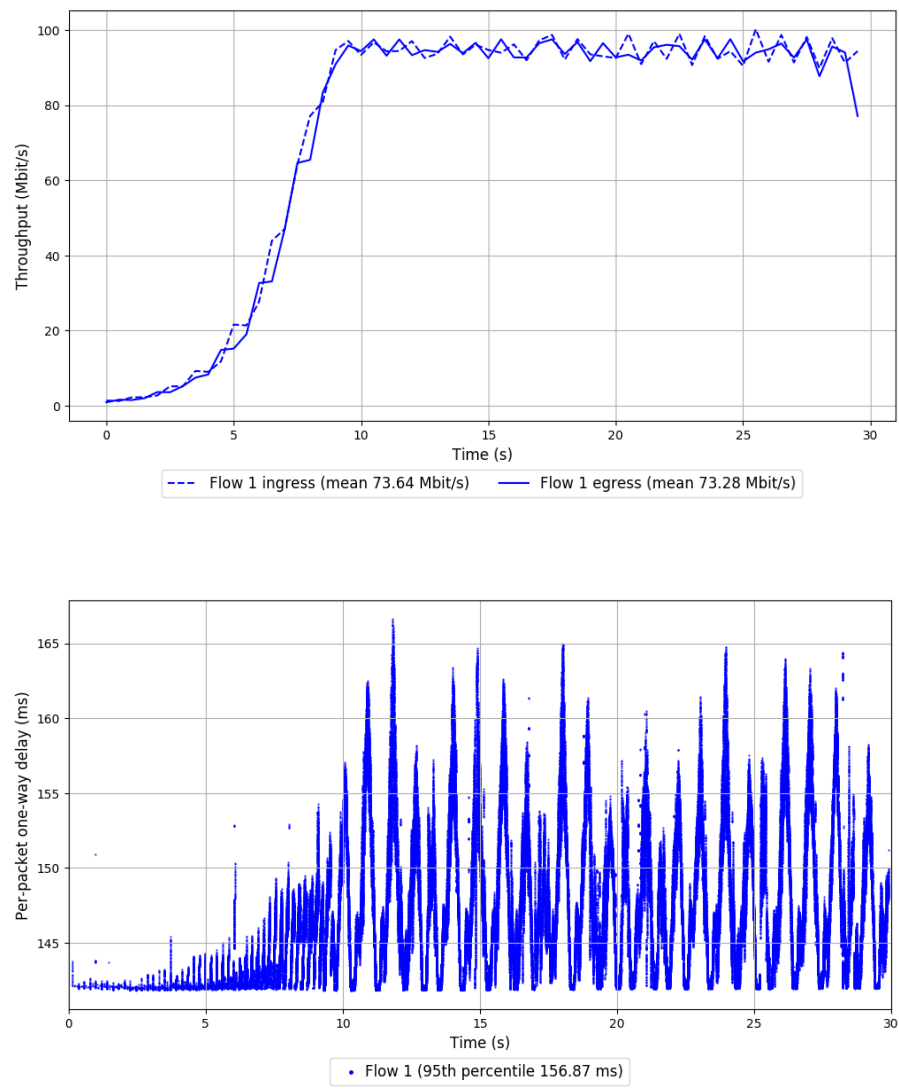
Average throughput: 73.28 Mbit/s

95th percentile per-packet one-way delay: 156.870 ms

Loss rate: 1.20%



Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 23:16:05 +0000

End at: Sun, 16 Jul 2017 23:16:35 +0000

Local clock offset: 1.065 ms

Remote clock offset: 1.887 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:10 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.77 Mbit/s

95th percentile per-packet one-way delay: 156.456 ms

Loss rate: 1.07%

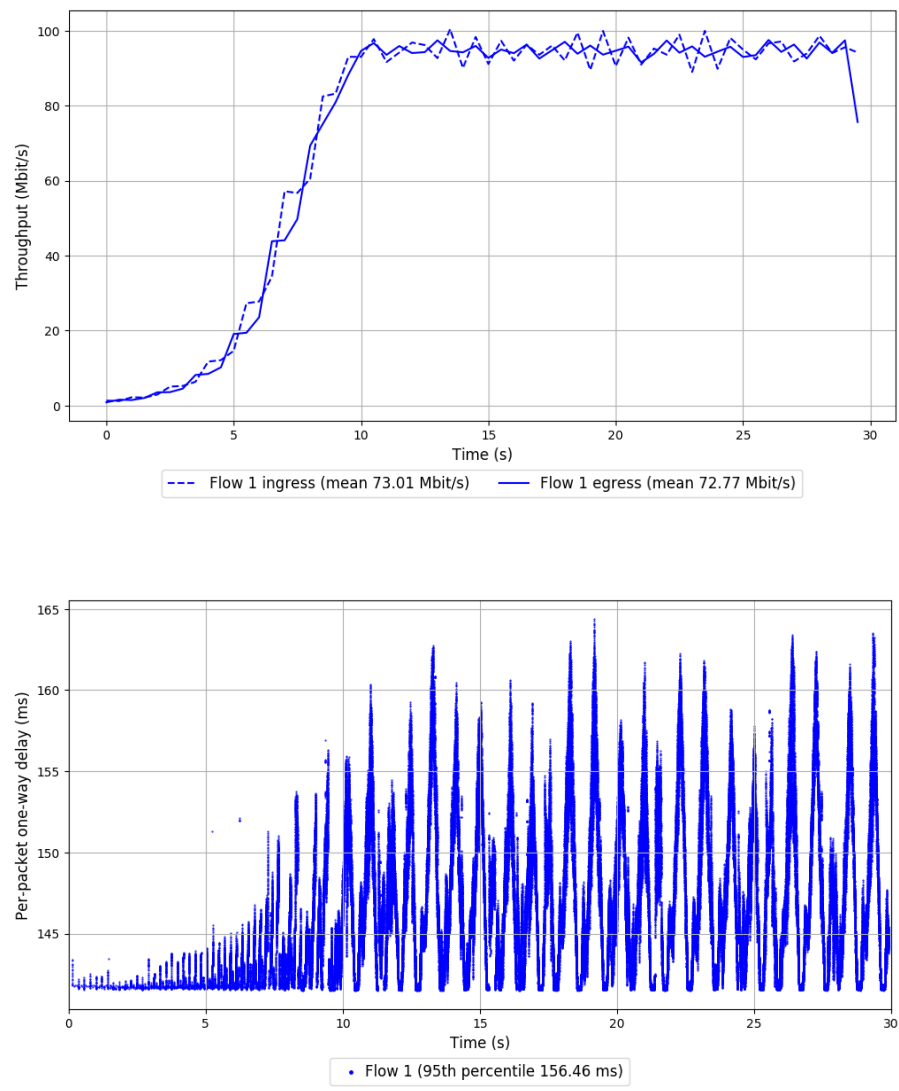
-- Flow 1:

Average throughput: 72.77 Mbit/s

95th percentile per-packet one-way delay: 156.456 ms

Loss rate: 1.07%

Run 4: Report of CalibratedKoho — Data Link



Run 5: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 23:34:33 +0000

End at: Sun, 16 Jul 2017 23:35:03 +0000

Local clock offset: 1.342 ms

Remote clock offset: 1.246 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:19 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 62.64 Mbit/s

95th percentile per-packet one-way delay: 156.554 ms

Loss rate: 1.23%

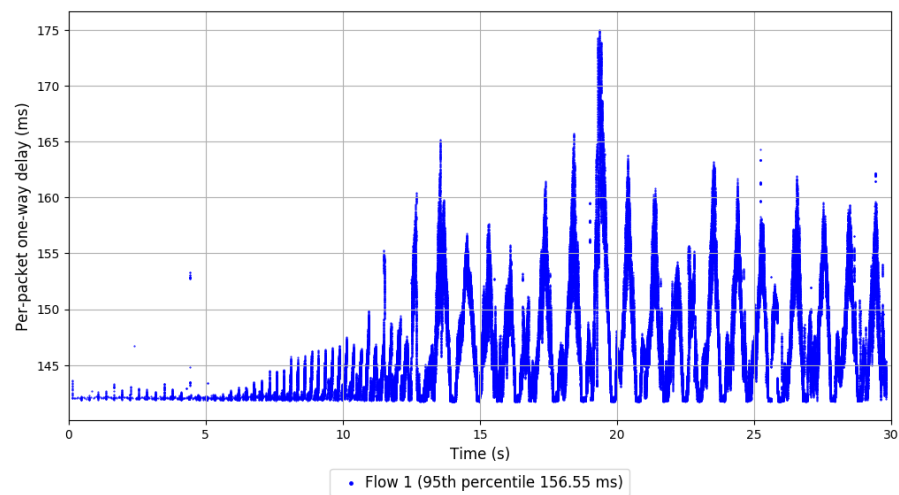
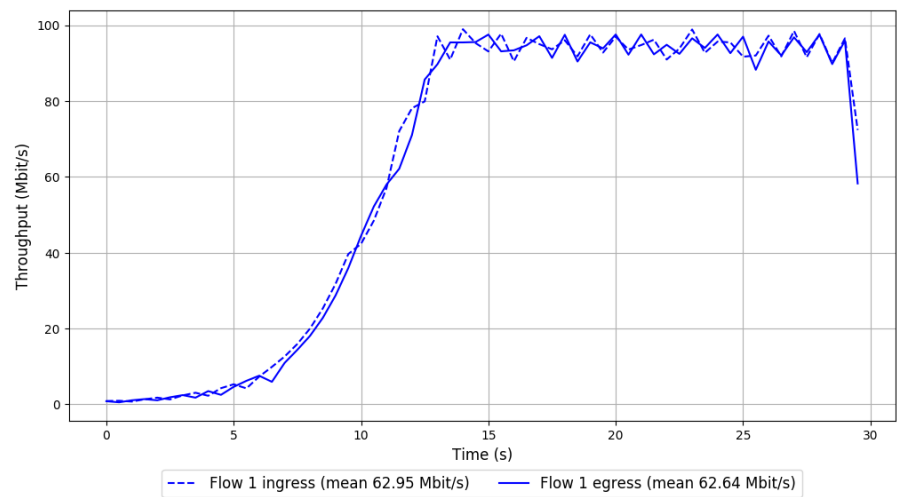
-- Flow 1:

Average throughput: 62.64 Mbit/s

95th percentile per-packet one-way delay: 156.554 ms

Loss rate: 1.23%

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Sun, 16 Jul 2017 23:53:09 +0000

End at: Sun, 16 Jul 2017 23:53:39 +0000

Local clock offset: 1.295 ms

Remote clock offset: 0.797 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:19 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.77 Mbit/s

95th percentile per-packet one-way delay: 156.927 ms

Loss rate: 1.10%

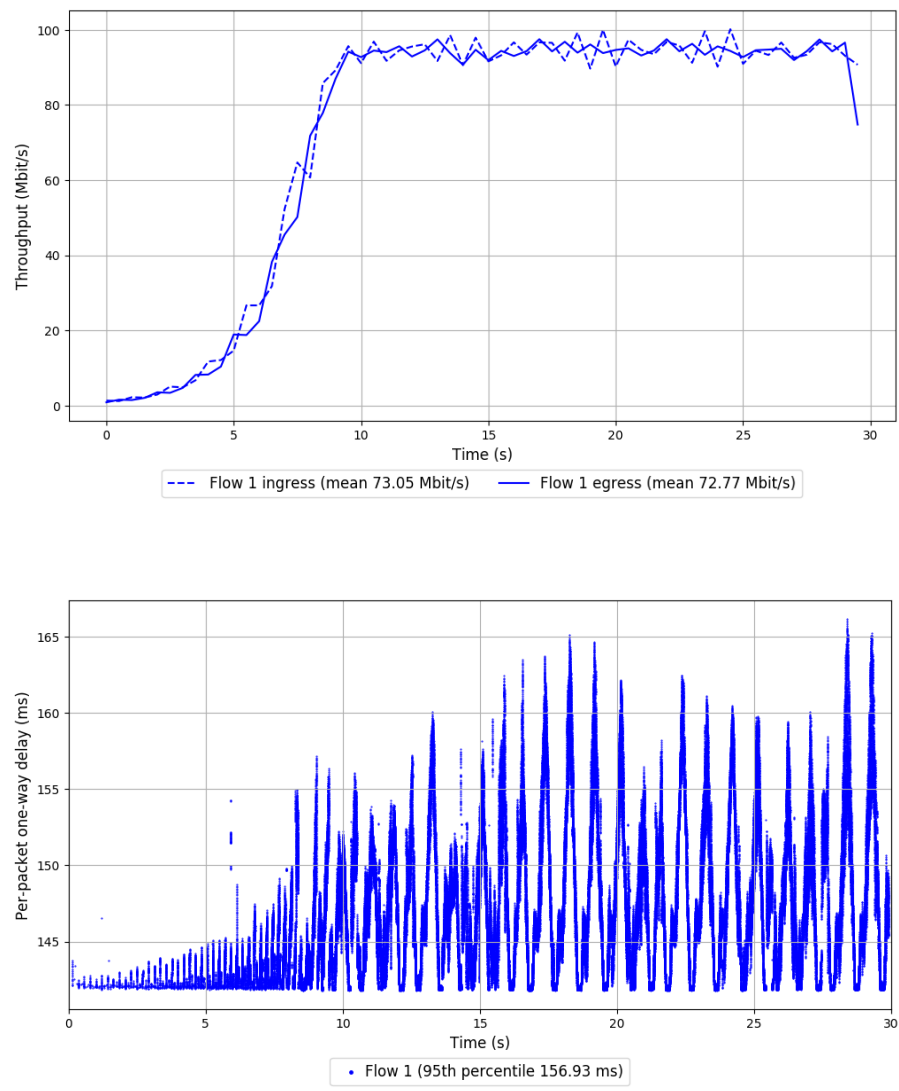
-- Flow 1:

Average throughput: 72.77 Mbit/s

95th percentile per-packet one-way delay: 156.927 ms

Loss rate: 1.10%

Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Mon, 17 Jul 2017 00:11:39 +0000

End at: Mon, 17 Jul 2017 00:12:09 +0000

Local clock offset: -0.202 ms

Remote clock offset: 1.439 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:29 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.01 Mbit/s

95th percentile per-packet one-way delay: 156.051 ms

Loss rate: 1.03%

-- Flow 1:

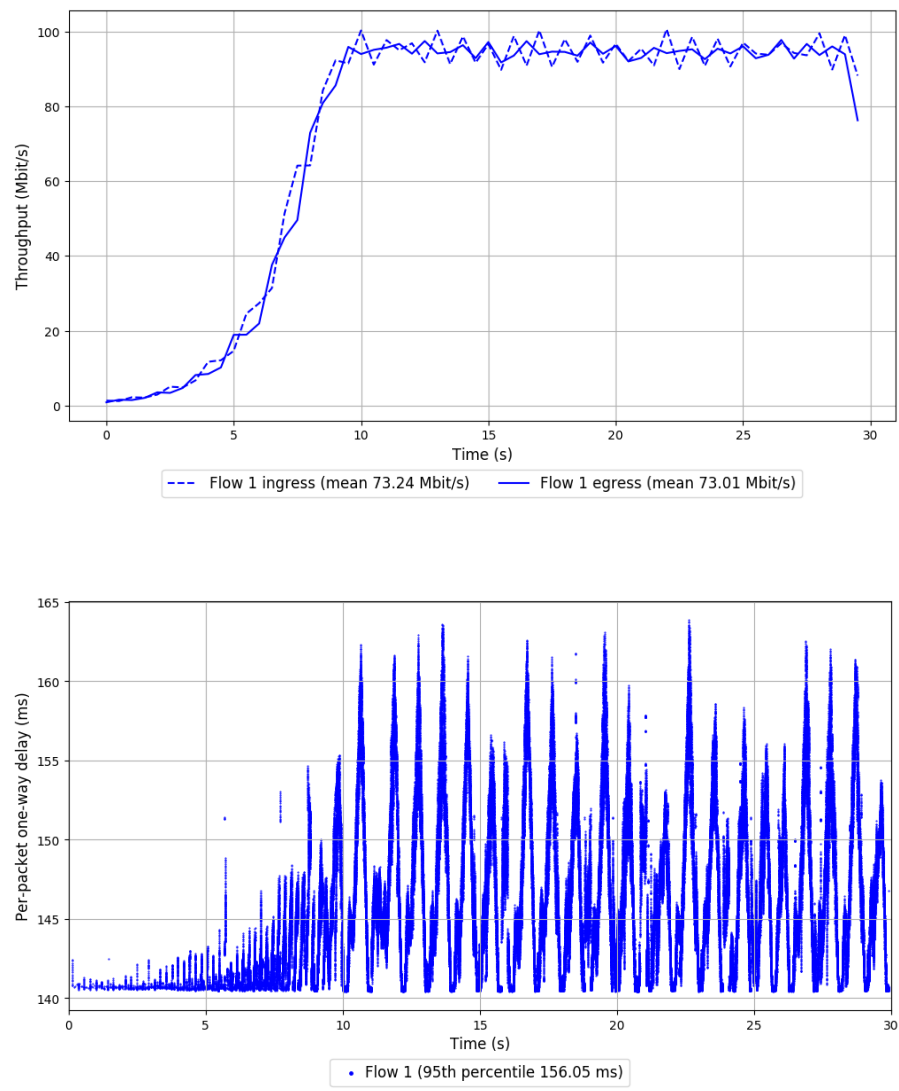
Average throughput: 73.01 Mbit/s

95th percentile per-packet one-way delay: 156.051 ms

Loss rate: 1.03%



Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Mon, 17 Jul 2017 00:29:50 +0000

End at: Mon, 17 Jul 2017 00:30:20 +0000

Local clock offset: 1.307 ms

Remote clock offset: 1.784 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:29 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.28 Mbit/s

95th percentile per-packet one-way delay: 156.581 ms

Loss rate: 1.19%

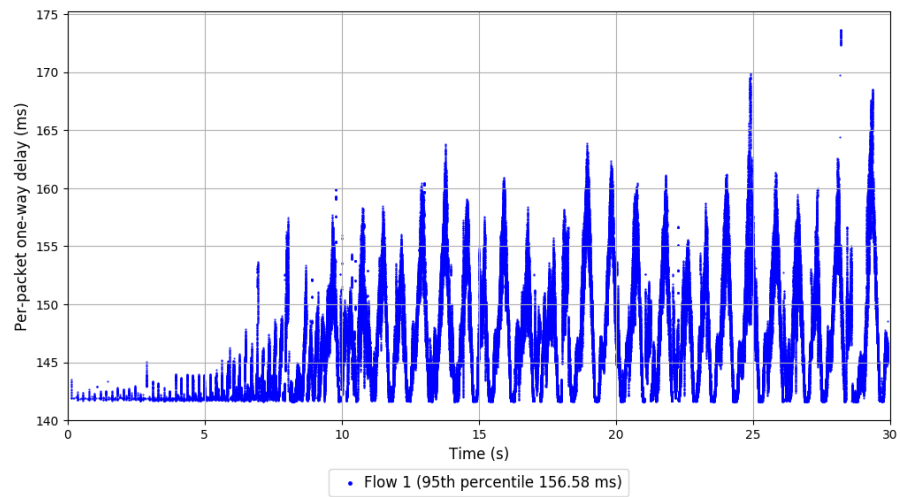
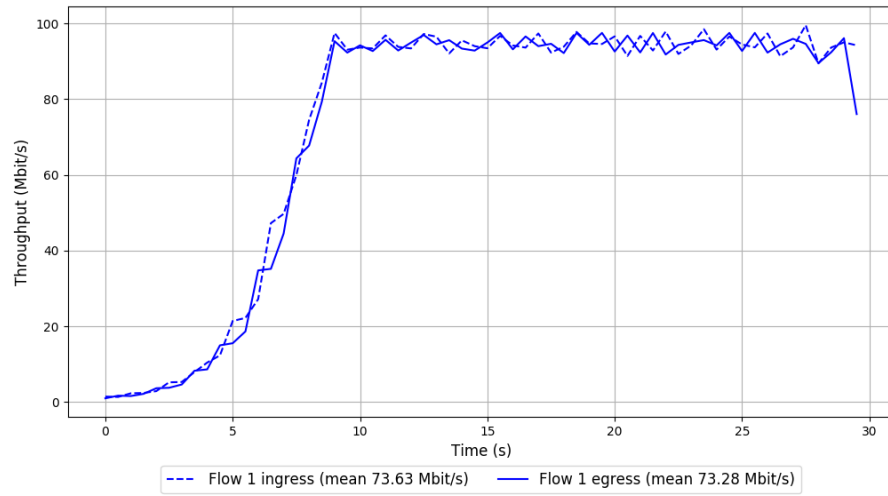
-- Flow 1:

Average throughput: 73.28 Mbit/s

95th percentile per-packet one-way delay: 156.581 ms

Loss rate: 1.19%

## Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Mon, 17 Jul 2017 00:48:05 +0000

End at: Mon, 17 Jul 2017 00:48:35 +0000

Local clock offset: -0.274 ms

Remote clock offset: 1.293 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:38 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.52 Mbit/s

95th percentile per-packet one-way delay: 154.934 ms

Loss rate: 0.94%

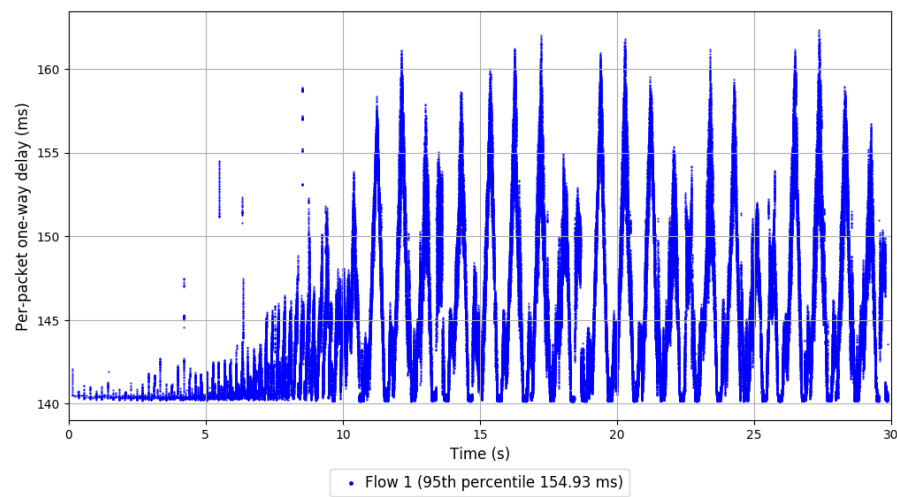
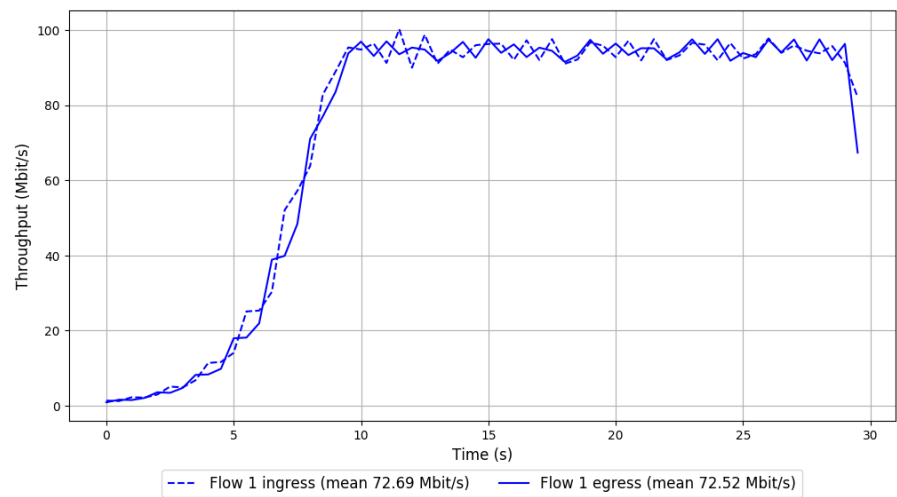
-- Flow 1:

Average throughput: 72.52 Mbit/s

95th percentile per-packet one-way delay: 154.934 ms

Loss rate: 0.94%

Run 9: Report of CalibratedKoho — Data Link



Run 10: Statistics of CalibratedKoho

Start at: Mon, 17 Jul 2017 01:06:23 +0000

End at: Mon, 17 Jul 2017 01:06:53 +0000

Local clock offset: -0.307 ms

Remote clock offset: 1.418 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:40 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.75 Mbit/s

95th percentile per-packet one-way delay: 155.809 ms

Loss rate: 1.10%

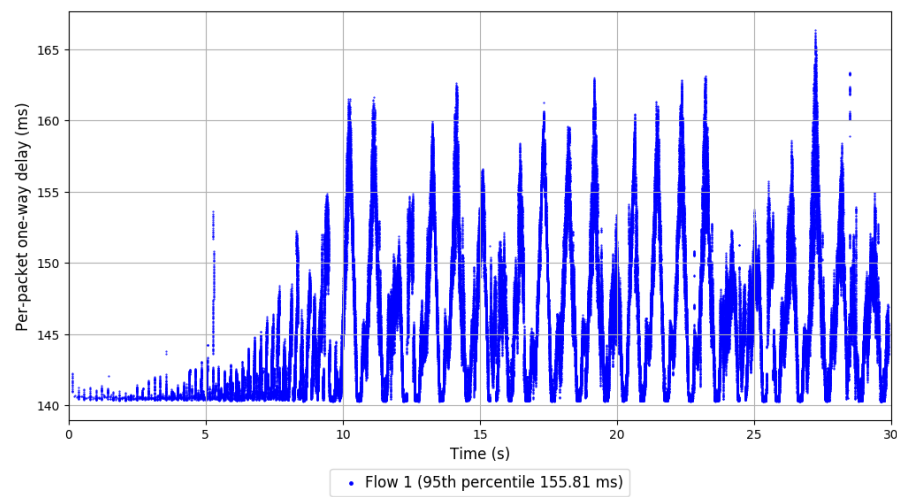
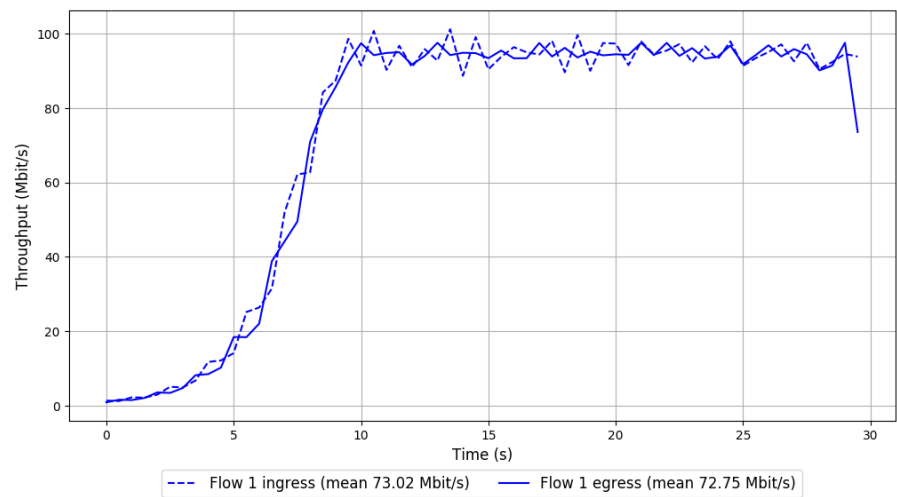
-- Flow 1:

Average throughput: 72.75 Mbit/s

95th percentile per-packet one-way delay: 155.809 ms

Loss rate: 1.10%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Sun, 16 Jul 2017 22:17:19 +0000

End at: Sun, 16 Jul 2017 22:17:49 +0000

Local clock offset: -0.775 ms

Remote clock offset: -0.308 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:49 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.78 Mbit/s

95th percentile per-packet one-way delay: 140.350 ms

Loss rate: 0.76%

-- Flow 1:

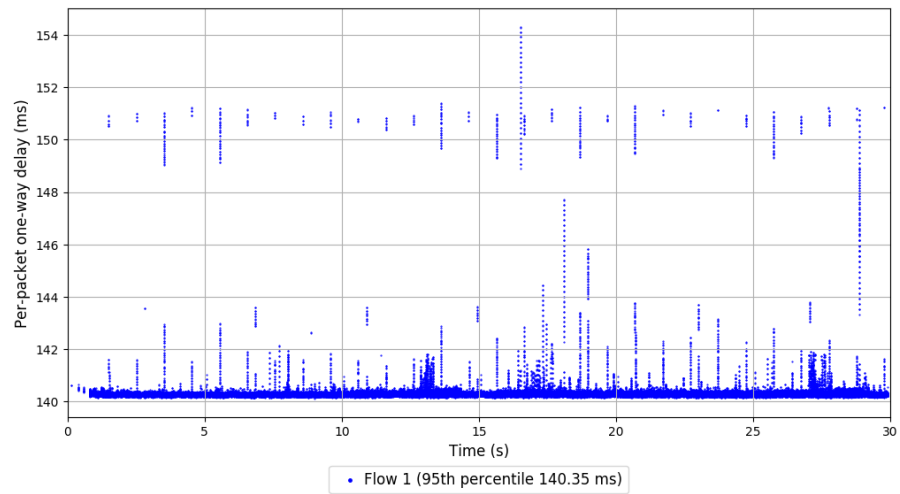
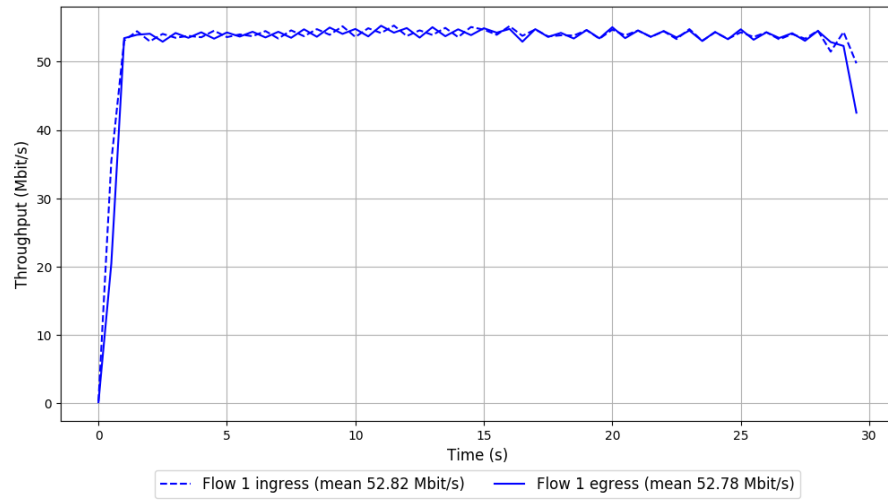
Average throughput: 52.78 Mbit/s

95th percentile per-packet one-way delay: 140.350 ms

Loss rate: 0.76%



### Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Sun, 16 Jul 2017 22:35:36 +0000

End at: Sun, 16 Jul 2017 22:36:06 +0000

Local clock offset: 0.937 ms

Remote clock offset: -0.324 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:35:55 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 68.25 Mbit/s

95th percentile per-packet one-way delay: 141.992 ms

Loss rate: 0.72%

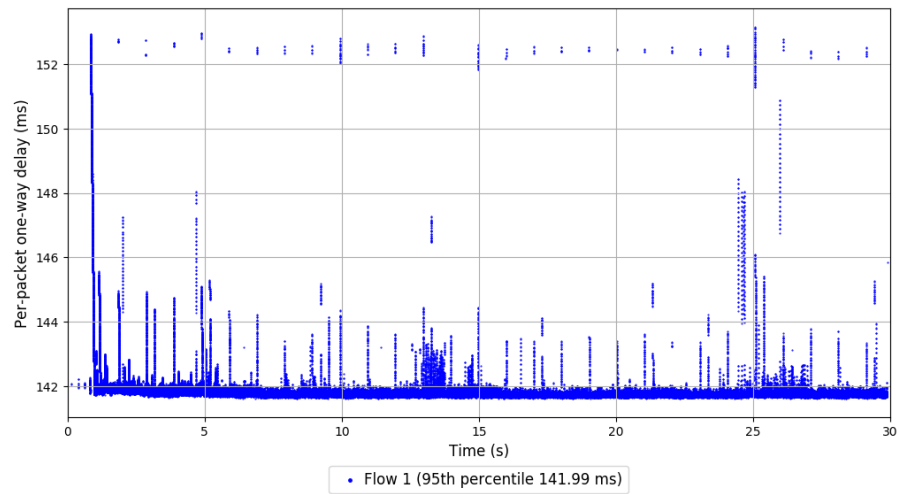
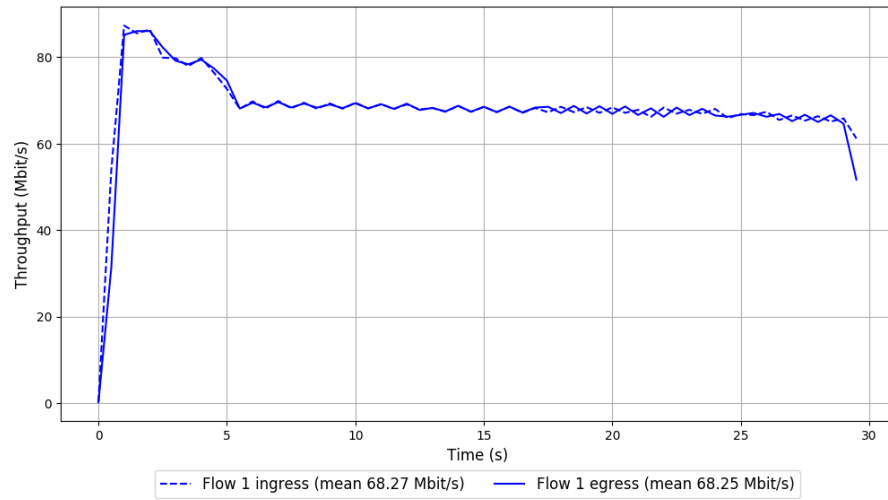
-- Flow 1:

Average throughput: 68.25 Mbit/s

95th percentile per-packet one-way delay: 141.992 ms

Loss rate: 0.72%

## Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Sun, 16 Jul 2017 22:54:01 +0000

End at: Sun, 16 Jul 2017 22:54:31 +0000

Local clock offset: -0.401 ms

Remote clock offset: -1.652 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:36:10 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.39 Mbit/s

95th percentile per-packet one-way delay: 140.805 ms

Loss rate: 0.63%

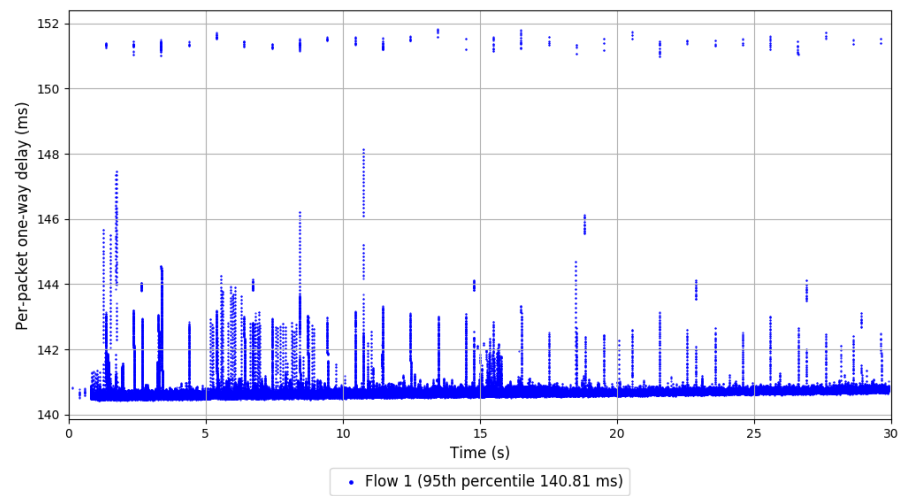
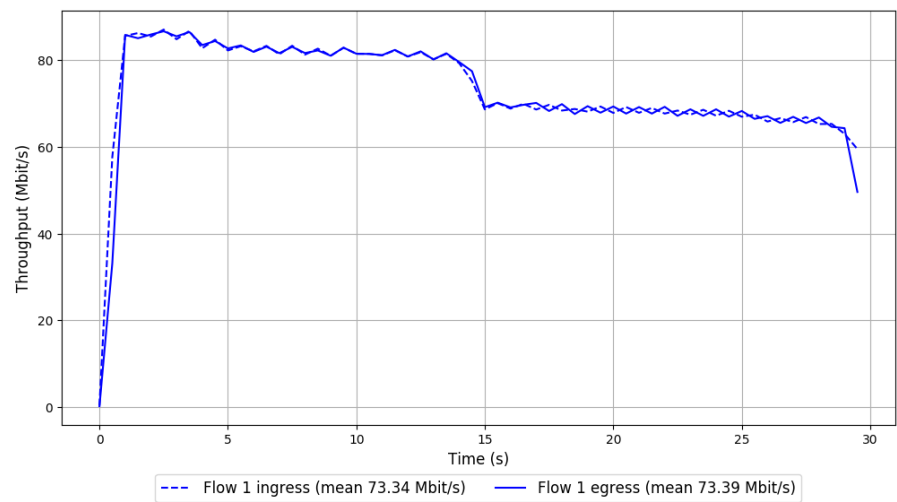
-- Flow 1:

Average throughput: 73.39 Mbit/s

95th percentile per-packet one-way delay: 140.805 ms

Loss rate: 0.63%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Sun, 16 Jul 2017 23:12:27 +0000

End at: Sun, 16 Jul 2017 23:12:57 +0000

Local clock offset: -0.23 ms

Remote clock offset: 1.548 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:36:10 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 57.66 Mbit/s

95th percentile per-packet one-way delay: 140.434 ms

Loss rate: 0.76%

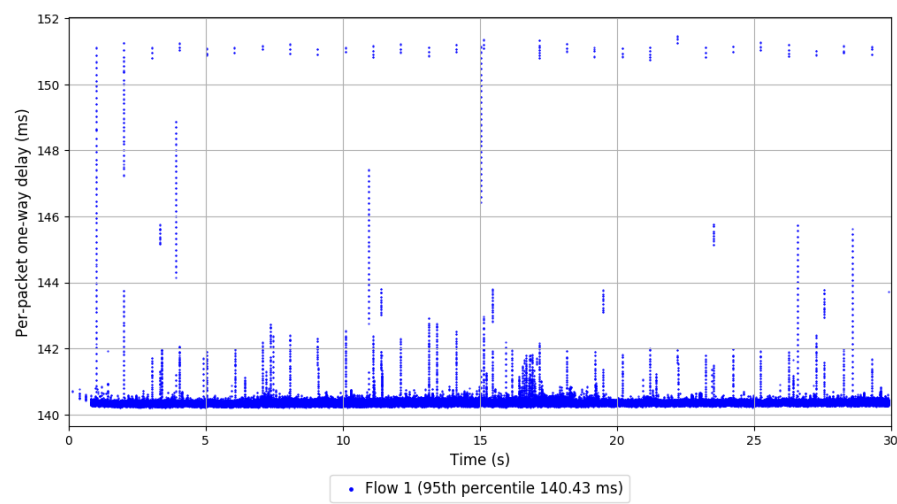
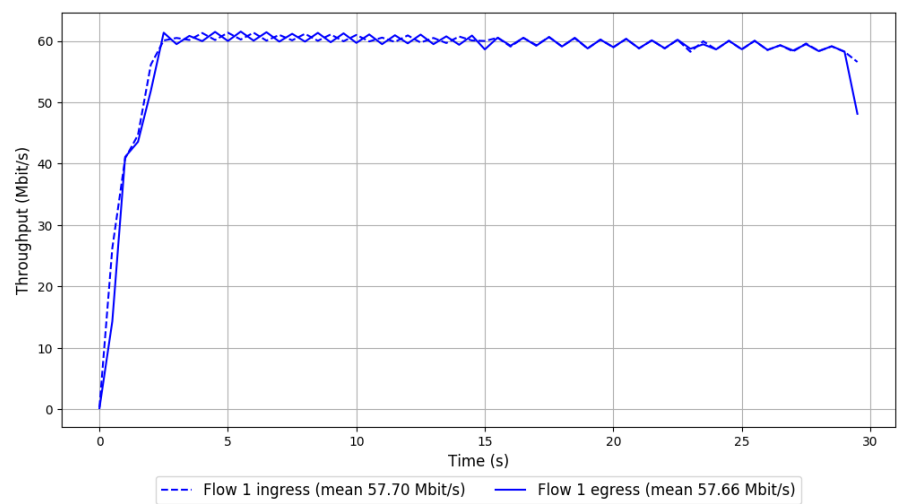
-- Flow 1:

Average throughput: 57.66 Mbit/s

95th percentile per-packet one-way delay: 140.434 ms

Loss rate: 0.76%

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: Sun, 16 Jul 2017 23:30:52 +0000

End at: Sun, 16 Jul 2017 23:31:22 +0000

Local clock offset: 1.277 ms

Remote clock offset: 1.264 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:36:12 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 141.951 ms

Loss rate: 0.15%

-- Flow 1:

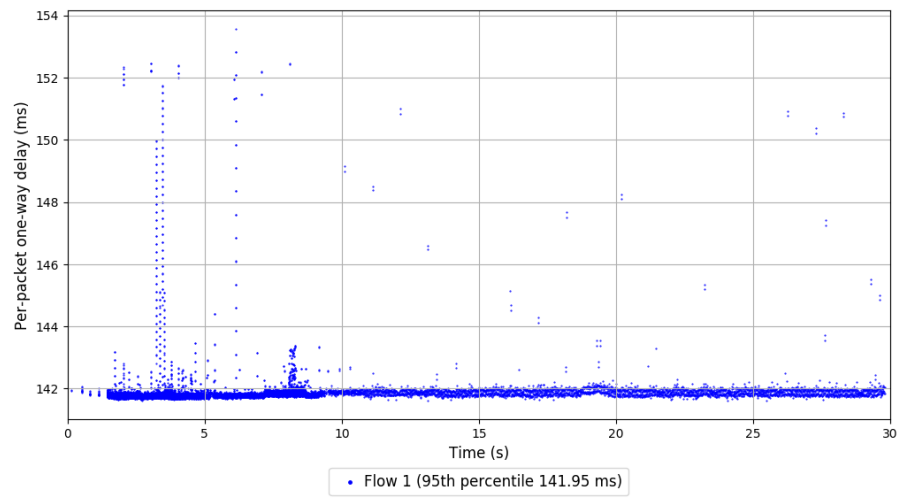
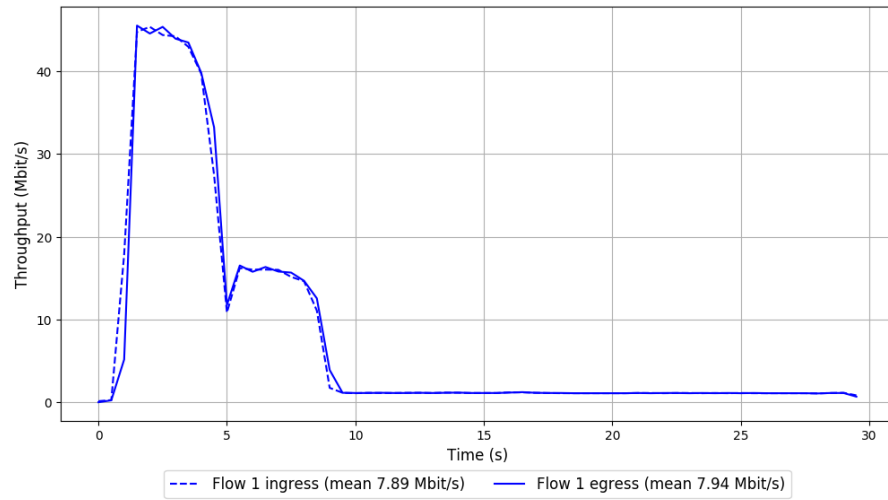
Average throughput: 7.94 Mbit/s

95th percentile per-packet one-way delay: 141.951 ms

Loss rate: 0.15%



### Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Sun, 16 Jul 2017 23:49:28 +0000

End at: Sun, 16 Jul 2017 23:49:58 +0000

Local clock offset: 1.135 ms

Remote clock offset: 0.756 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:36:20 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.81 Mbit/s

95th percentile per-packet one-way delay: 141.677 ms

Loss rate: 0.79%

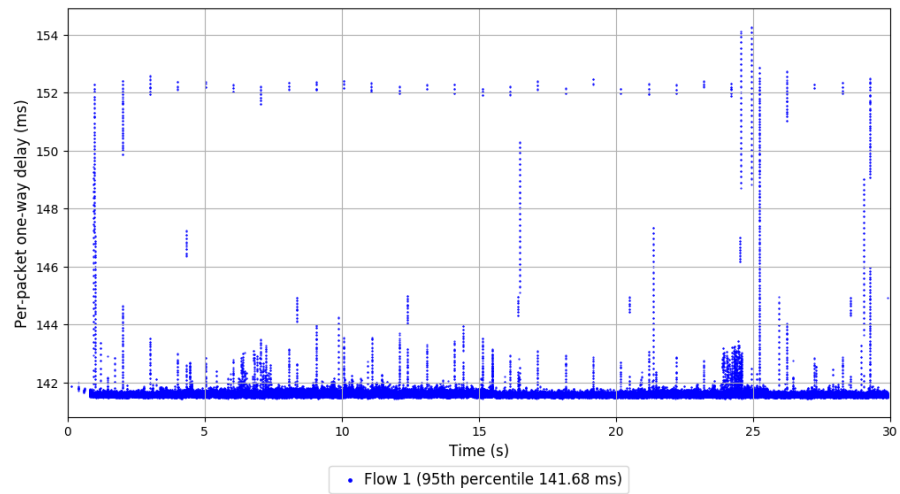
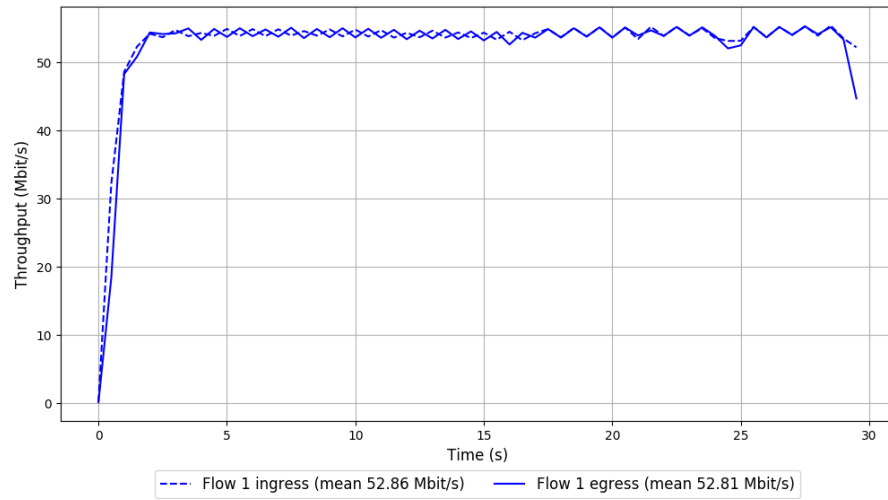
-- Flow 1:

Average throughput: 52.81 Mbit/s

95th percentile per-packet one-way delay: 141.677 ms

Loss rate: 0.79%

## Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Mon, 17 Jul 2017 00:08:00 +0000

End at: Mon, 17 Jul 2017 00:08:30 +0000

Local clock offset: -0.189 ms

Remote clock offset: 1.28 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:36:27 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 64.85 Mbit/s

95th percentile per-packet one-way delay: 140.356 ms

Loss rate: 0.77%

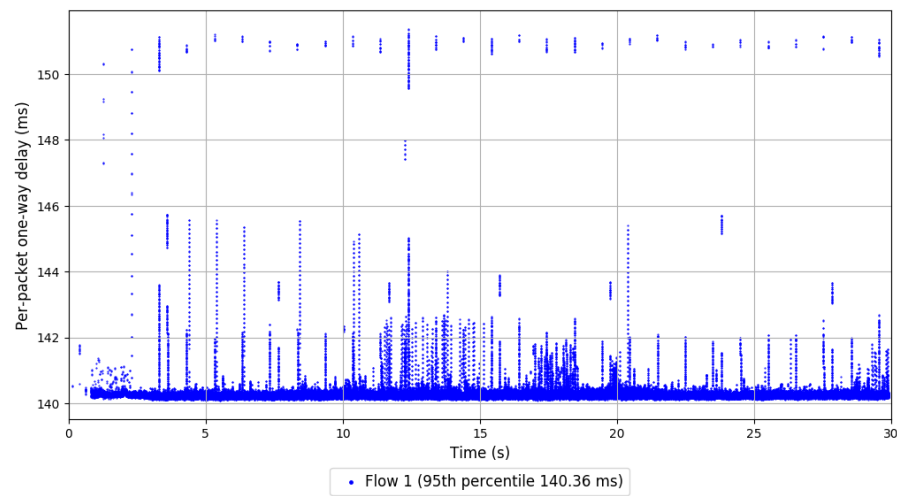
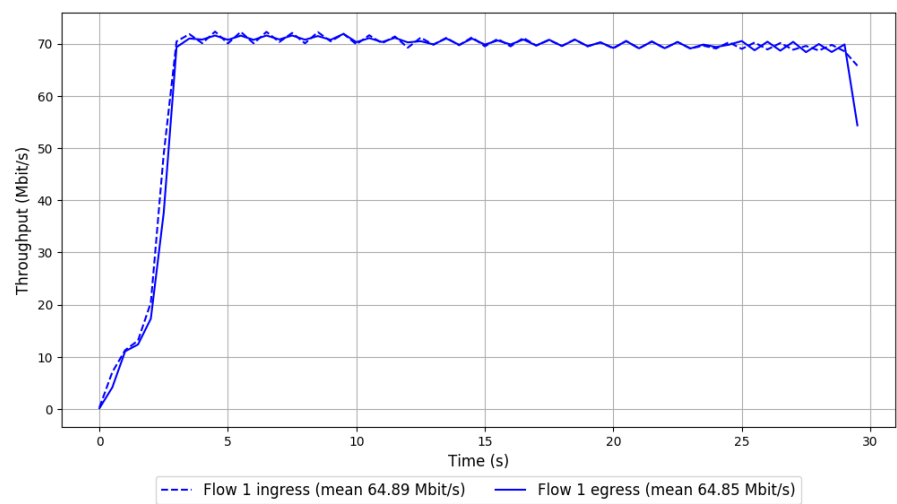
-- Flow 1:

Average throughput: 64.85 Mbit/s

95th percentile per-packet one-way delay: 140.356 ms

Loss rate: 0.77%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

Start at: Mon, 17 Jul 2017 00:26:12 +0000

End at: Mon, 17 Jul 2017 00:26:42 +0000

Local clock offset: -0.17 ms

Remote clock offset: 1.717 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:36:36 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 64.33 Mbit/s

95th percentile per-packet one-way delay: 140.485 ms

Loss rate: 0.76%

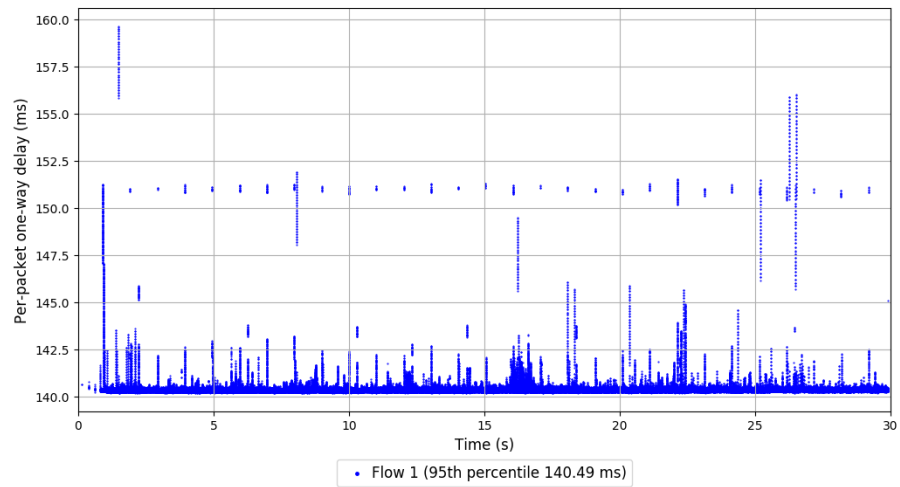
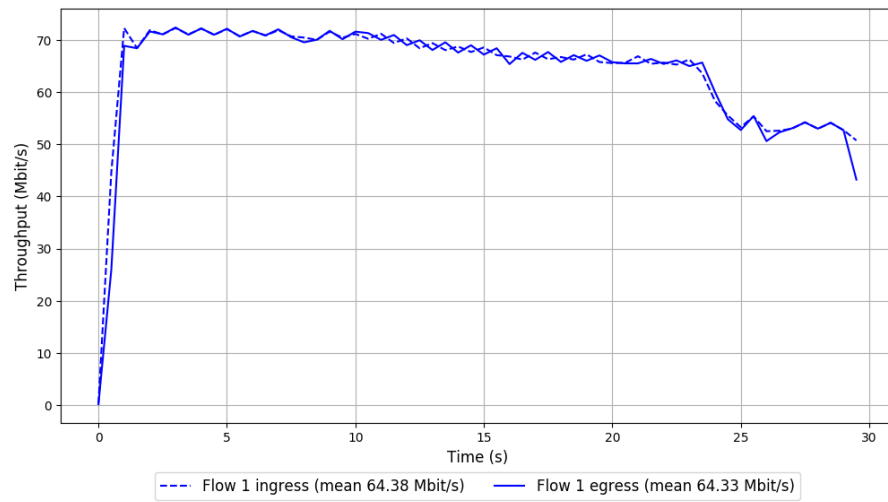
-- Flow 1:

Average throughput: 64.33 Mbit/s

95th percentile per-packet one-way delay: 140.485 ms

Loss rate: 0.76%

### Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Mon, 17 Jul 2017 00:44:26 +0000

End at: Mon, 17 Jul 2017 00:44:56 +0000

Local clock offset: -0.137 ms

Remote clock offset: 1.506 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:36:43 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 65.23 Mbit/s

95th percentile per-packet one-way delay: 140.720 ms

Loss rate: 0.70%

-- Flow 1:

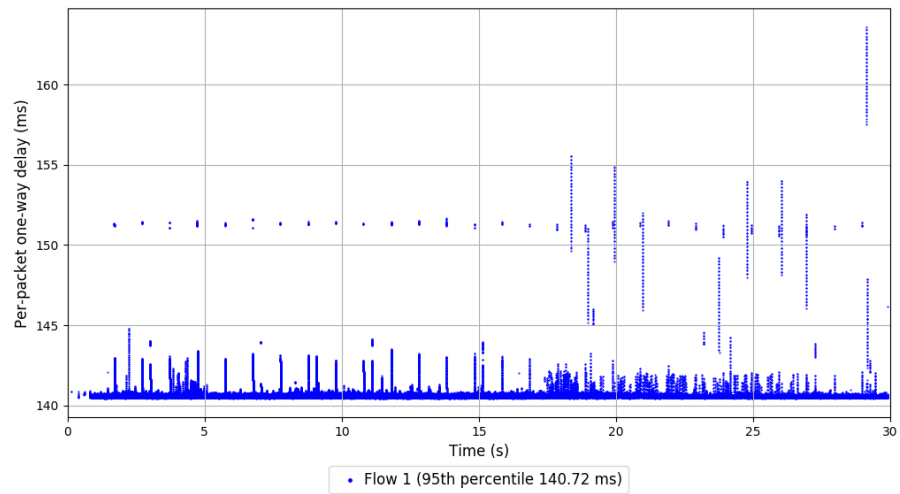
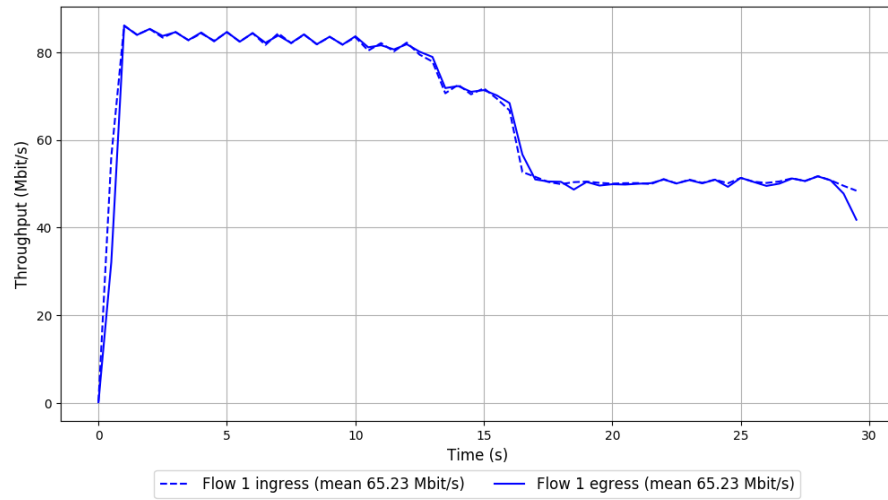
Average throughput: 65.23 Mbit/s

95th percentile per-packet one-way delay: 140.720 ms

Loss rate: 0.70%



### Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Mon, 17 Jul 2017 01:02:46 +0000

End at: Mon, 17 Jul 2017 01:03:16 +0000

Local clock offset: -0.095 ms

Remote clock offset: 1.388 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:36:50 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 51.21 Mbit/s

95th percentile per-packet one-way delay: 140.605 ms

Loss rate: 0.83%

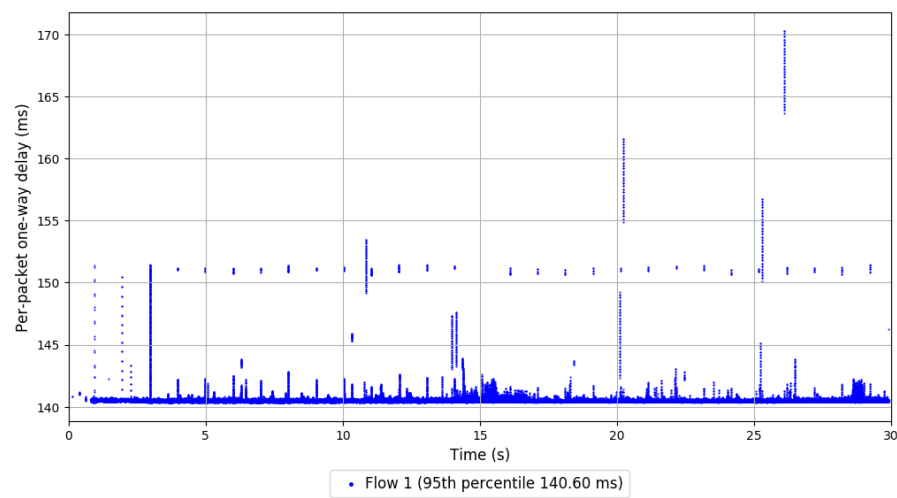
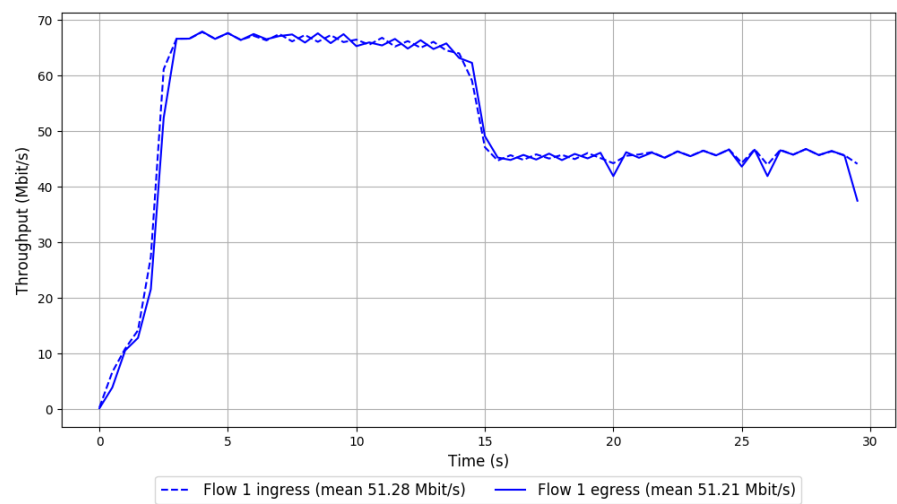
-- Flow 1:

Average throughput: 51.21 Mbit/s

95th percentile per-packet one-way delay: 140.605 ms

Loss rate: 0.83%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

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

End at: Sun, 16 Jul 2017 22:14:13 +0000

Local clock offset: -0.6 ms

Remote clock offset: -0.194 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:36:50 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 26.23 Mbit/s

95th percentile per-packet one-way delay: 154.664 ms

Loss rate: 0.96%

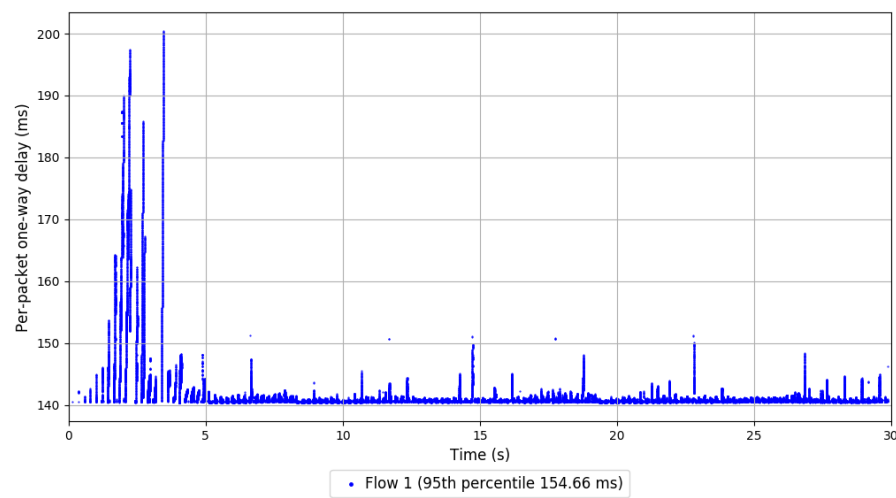
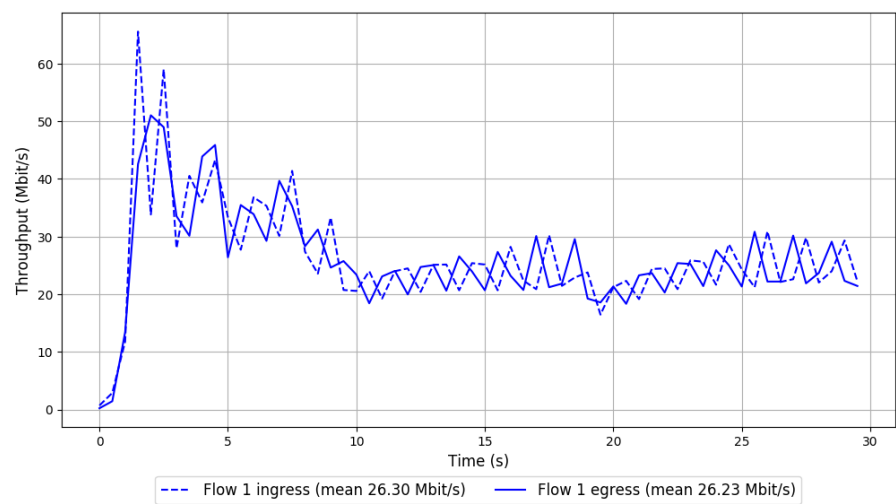
-- Flow 1:

Average throughput: 26.23 Mbit/s

95th percentile per-packet one-way delay: 154.664 ms

Loss rate: 0.96%

Run 1: Report of TCP Cubic — Data Link



Run 2: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 22:31:54 +0000

End at: Sun, 16 Jul 2017 22:32:24 +0000

Local clock offset: 0.848 ms

Remote clock offset: -0.277 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:36:53 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 38.86 Mbit/s

95th percentile per-packet one-way delay: 163.212 ms

Loss rate: 1.03%

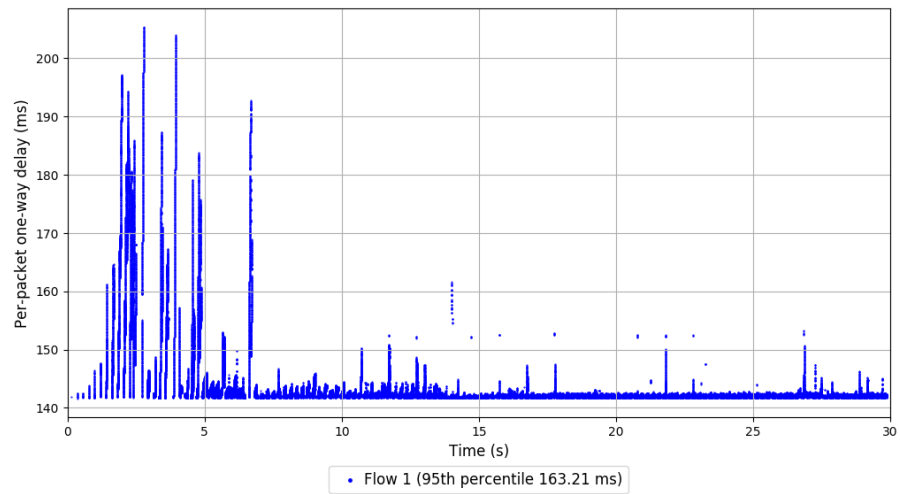
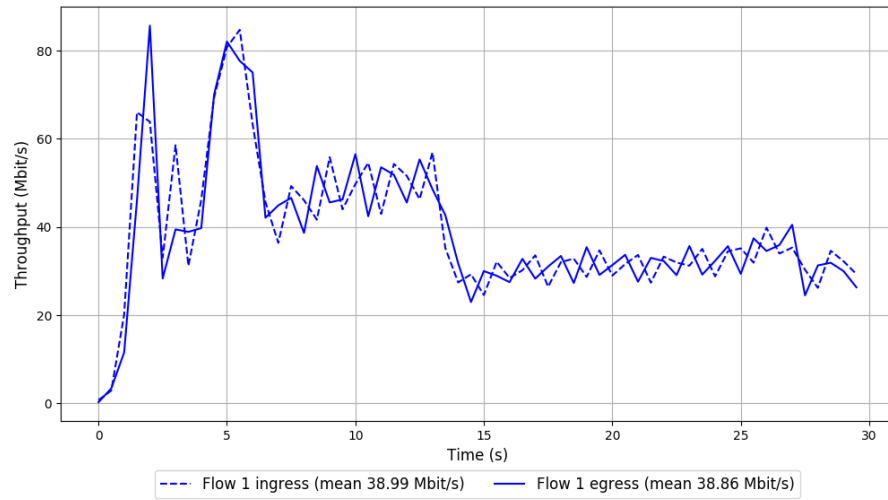
-- Flow 1:

Average throughput: 38.86 Mbit/s

95th percentile per-packet one-way delay: 163.212 ms

Loss rate: 1.03%

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



Run 3: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 22:50:24 +0000

End at: Sun, 16 Jul 2017 22:50:54 +0000

Local clock offset: -0.366 ms

Remote clock offset: -3.125 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:36:57 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 45.71 Mbit/s

95th percentile per-packet one-way delay: 151.837 ms

Loss rate: 0.81%

-- Flow 1:

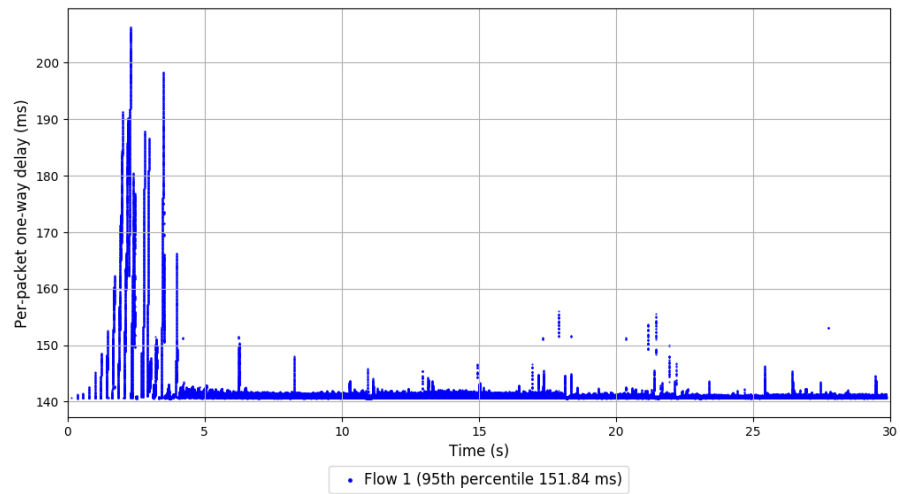
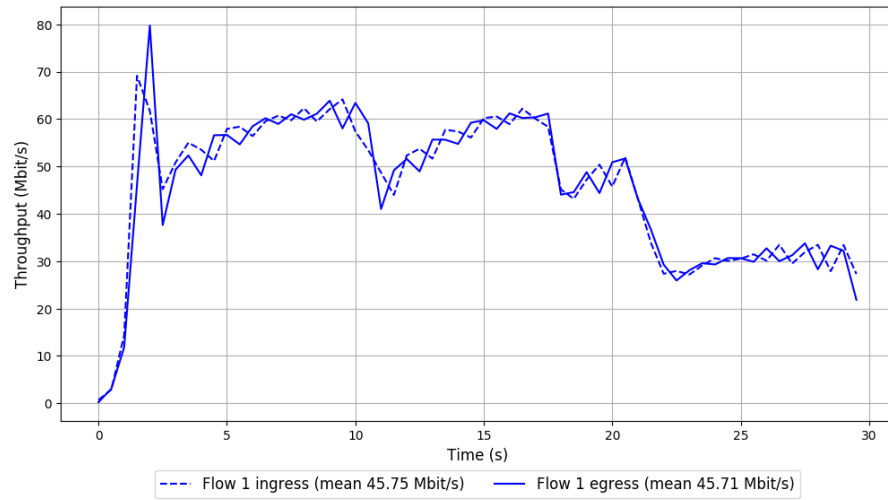
Average throughput: 45.71 Mbit/s

95th percentile per-packet one-way delay: 151.837 ms

Loss rate: 0.81%



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



Run 4: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 23:08:45 +0000

End at: Sun, 16 Jul 2017 23:09:15 +0000

Local clock offset: -0.227 ms

Remote clock offset: 1.263 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:00 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 51.45 Mbit/s

95th percentile per-packet one-way delay: 150.503 ms

Loss rate: 1.15%

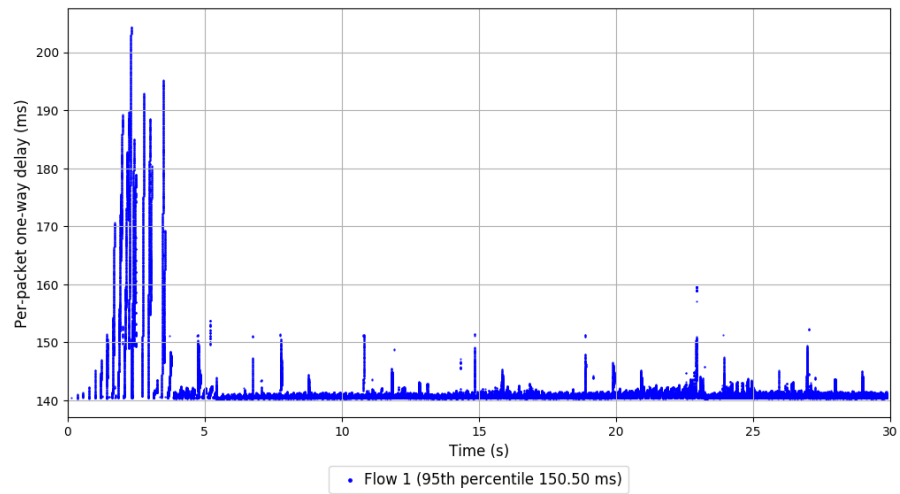
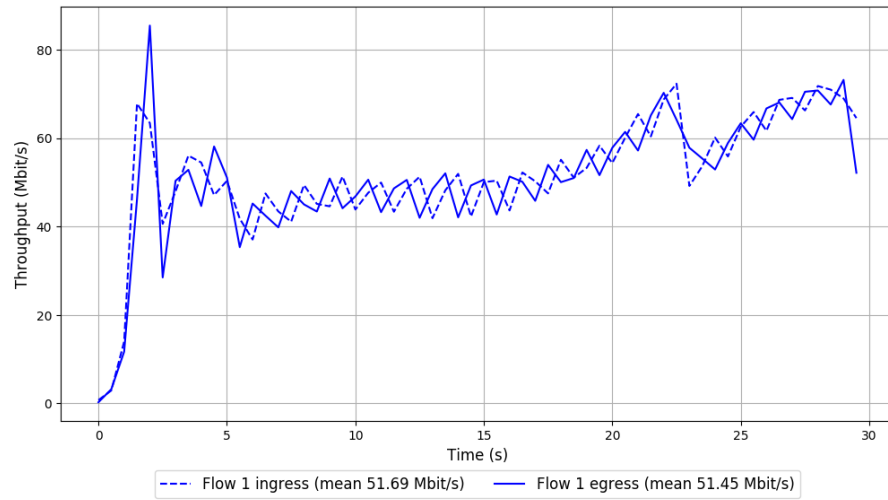
-- Flow 1:

Average throughput: 51.45 Mbit/s

95th percentile per-packet one-way delay: 150.503 ms

Loss rate: 1.15%

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



Run 5: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 23:27:06 +0000

End at: Sun, 16 Jul 2017 23:27:36 +0000

Local clock offset: 1.293 ms

Remote clock offset: 1.353 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:03 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 38.53 Mbit/s

95th percentile per-packet one-way delay: 159.674 ms

Loss rate: 1.47%

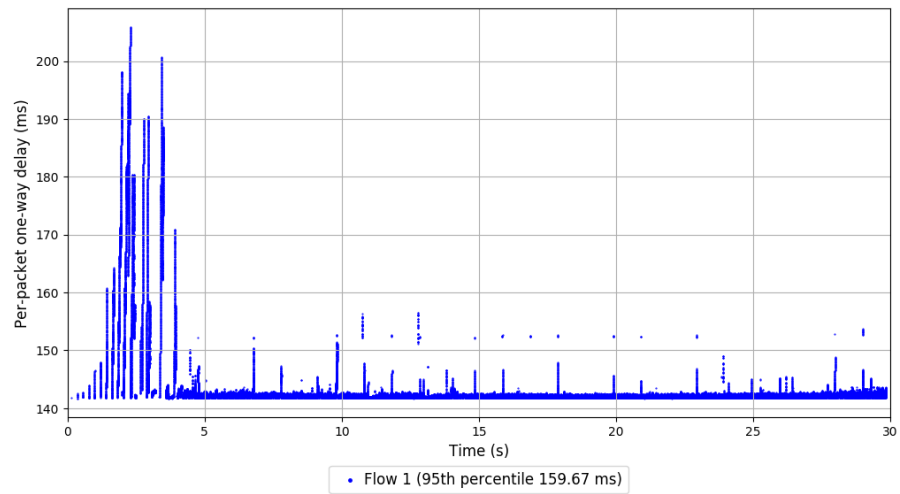
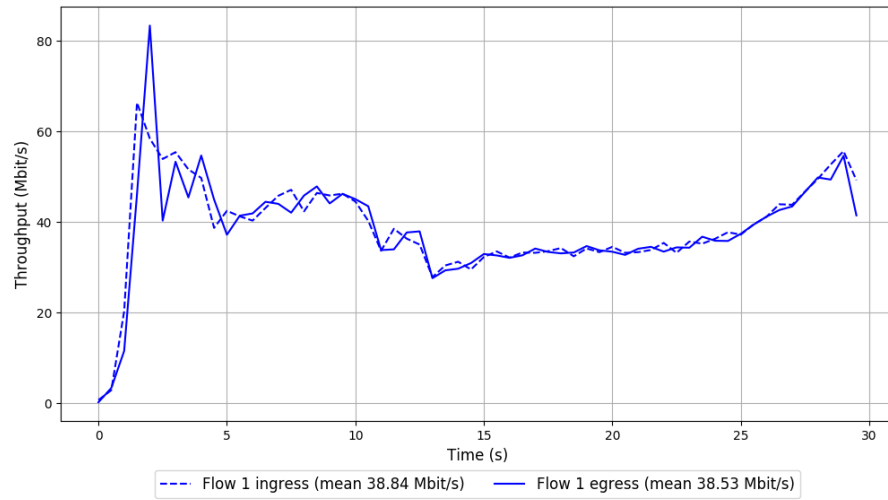
-- Flow 1:

Average throughput: 38.53 Mbit/s

95th percentile per-packet one-way delay: 159.674 ms

Loss rate: 1.47%

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



Run 6: Statistics of TCP Cubic

Start at: Sun, 16 Jul 2017 23:45:48 +0000

End at: Sun, 16 Jul 2017 23:46:19 +0000

Local clock offset: 1.292 ms

Remote clock offset: 0.868 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:05 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 27.49 Mbit/s

95th percentile per-packet one-way delay: 163.658 ms

Loss rate: 1.47%

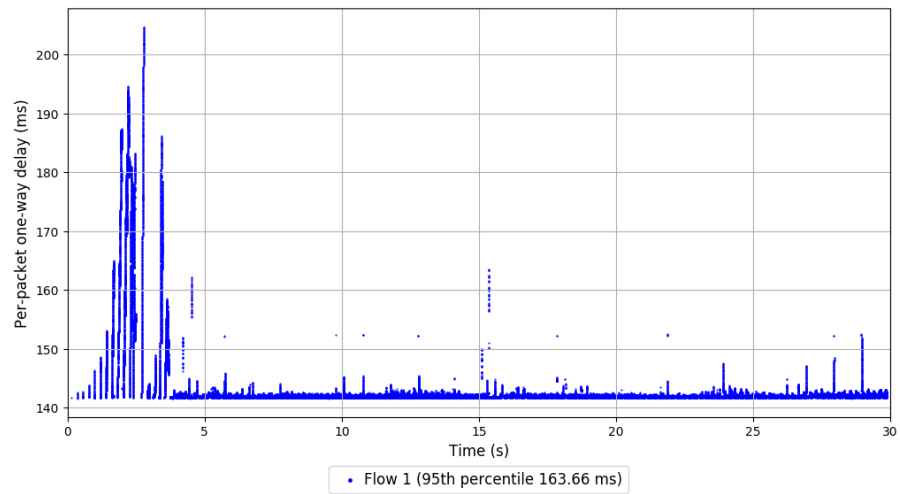
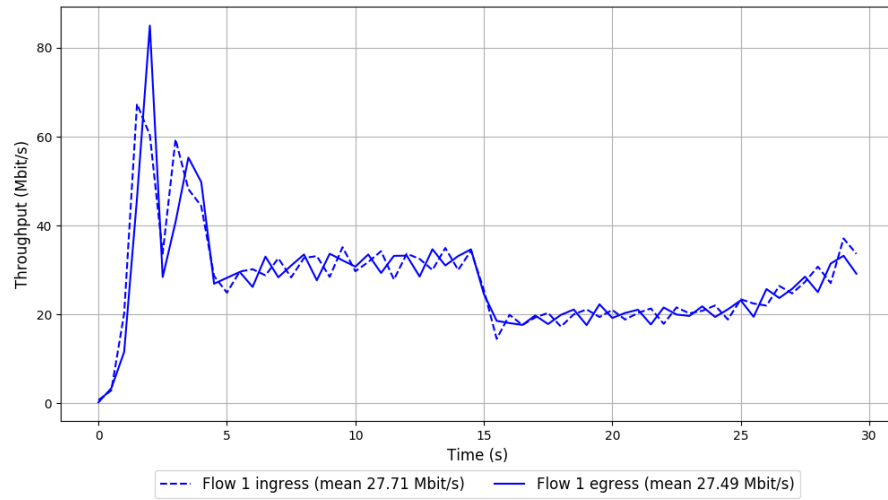
-- Flow 1:

Average throughput: 27.49 Mbit/s

95th percentile per-packet one-way delay: 163.658 ms

Loss rate: 1.47%

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



Run 7: Statistics of TCP Cubic

Start at: Mon, 17 Jul 2017 00:04:20 +0000

End at: Mon, 17 Jul 2017 00:04:50 +0000

Local clock offset: 1.319 ms

Remote clock offset: 1.114 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:12 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 64.49 Mbit/s

95th percentile per-packet one-way delay: 166.908 ms

Loss rate: 1.01%

-- Flow 1:

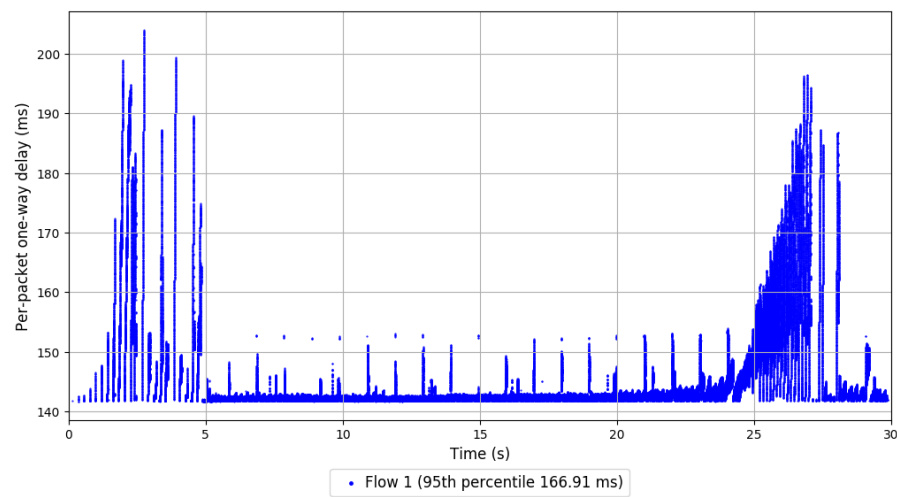
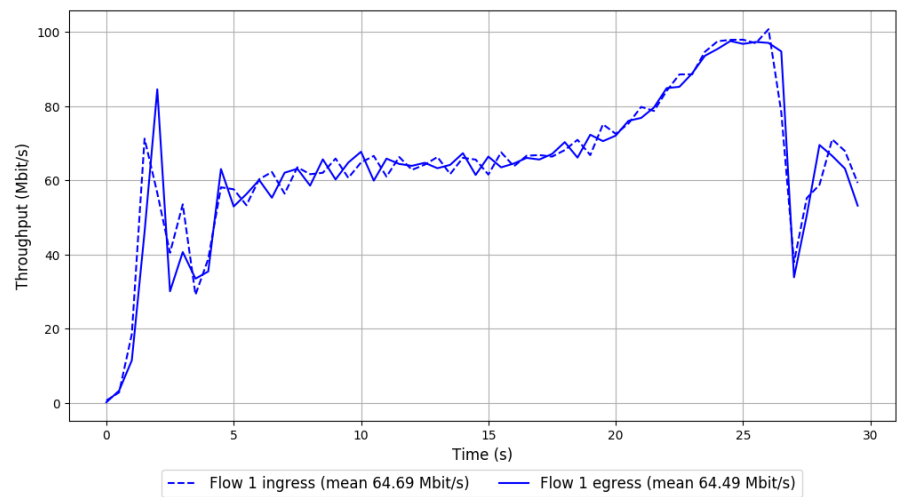
Average throughput: 64.49 Mbit/s

95th percentile per-packet one-way delay: 166.908 ms

Loss rate: 1.01%



Run 7: Report of TCP Cubic — Data Link



Run 8: Statistics of TCP Cubic

Start at: Mon, 17 Jul 2017 00:22:36 +0000

End at: Mon, 17 Jul 2017 00:23:06 +0000

Local clock offset: 1.383 ms

Remote clock offset: 1.723 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:12 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 45.67 Mbit/s

95th percentile per-packet one-way delay: 149.560 ms

Loss rate: 1.31%

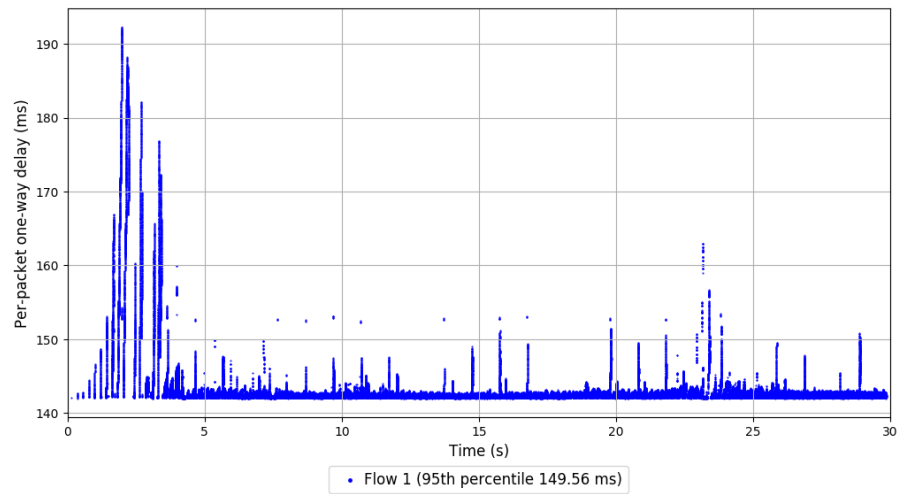
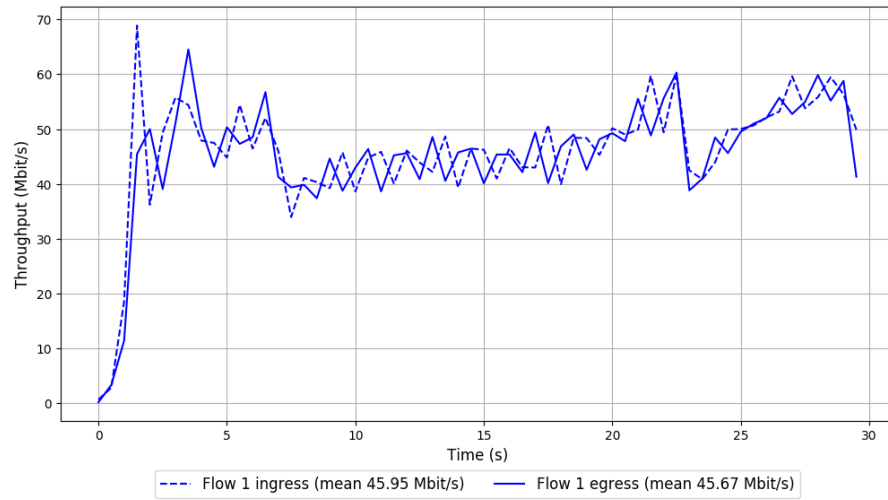
-- Flow 1:

Average throughput: 45.67 Mbit/s

95th percentile per-packet one-way delay: 149.560 ms

Loss rate: 1.31%

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



Run 9: Statistics of TCP Cubic

Start at: Mon, 17 Jul 2017 00:40:51 +0000

End at: Mon, 17 Jul 2017 00:41:21 +0000

Local clock offset: 1.362 ms

Remote clock offset: 1.547 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:16 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 32.75 Mbit/s

95th percentile per-packet one-way delay: 168.046 ms

Loss rate: 1.47%

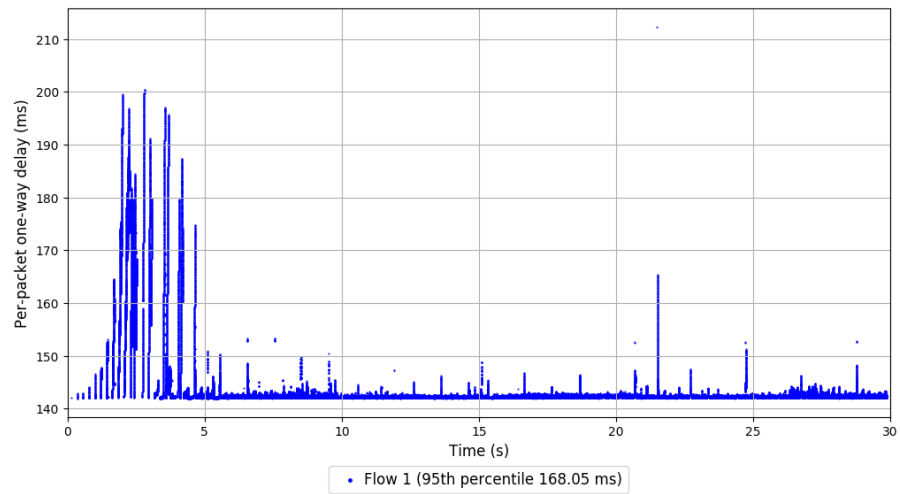
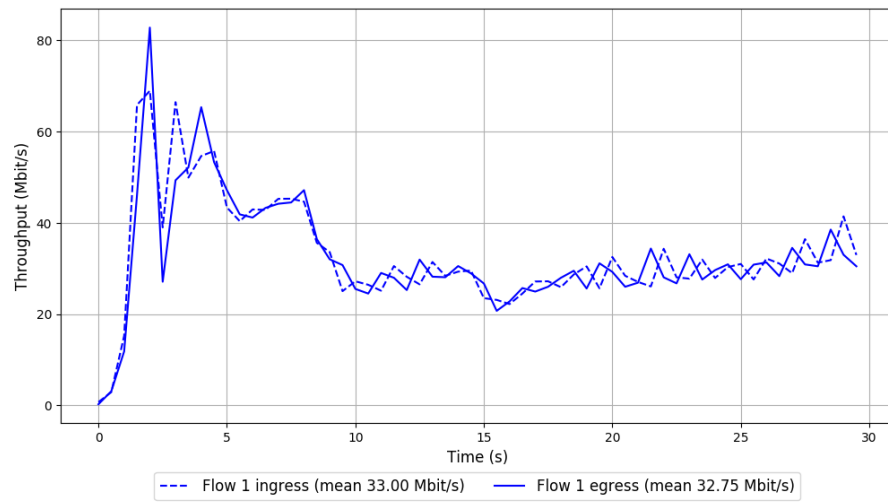
-- Flow 1:

Average throughput: 32.75 Mbit/s

95th percentile per-packet one-way delay: 168.046 ms

Loss rate: 1.47%

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



Run 10: Statistics of TCP Cubic

Start at: Mon, 17 Jul 2017 00:59:07 +0000

End at: Mon, 17 Jul 2017 00:59:37 +0000

Local clock offset: -0.254 ms

Remote clock offset: 1.371 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:19 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 43.86 Mbit/s

95th percentile per-packet one-way delay: 152.532 ms

Loss rate: 1.13%

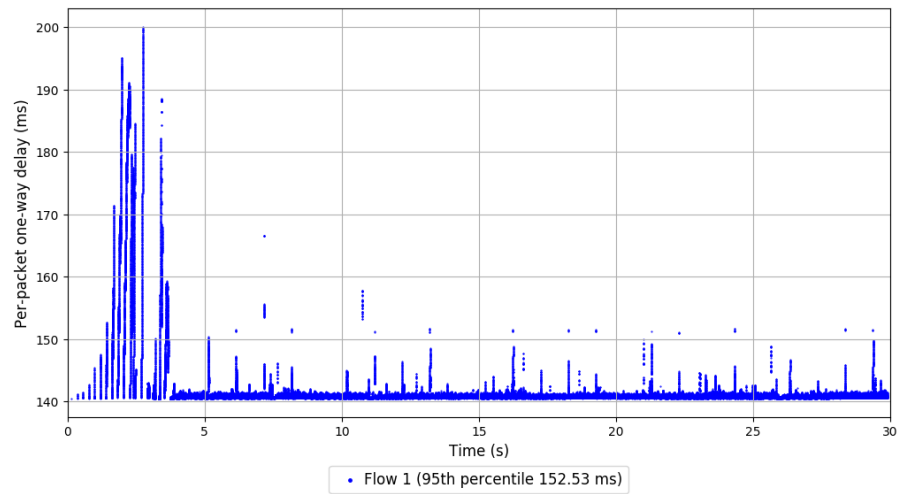
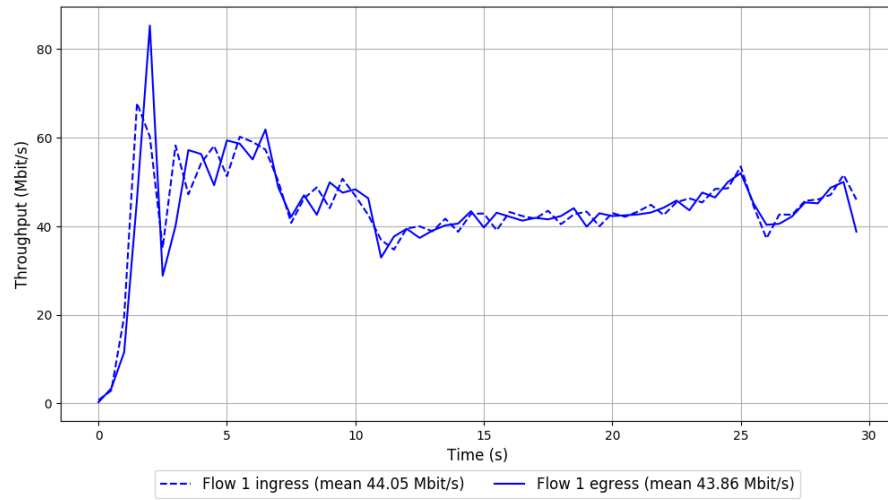
-- Flow 1:

Average throughput: 43.86 Mbit/s

95th percentile per-packet one-way delay: 152.532 ms

Loss rate: 1.13%

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



Run 1: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 22:14:55 +0000

End at: Sun, 16 Jul 2017 22:15:25 +0000

Local clock offset: -0.788 ms

Remote clock offset: -0.244 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:19 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 141.131 ms

Loss rate: 0.73%

-- Flow 1:

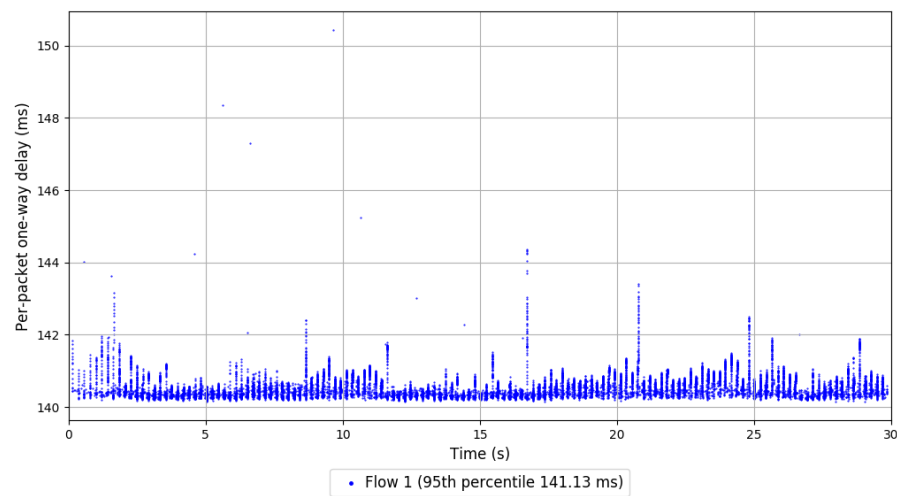
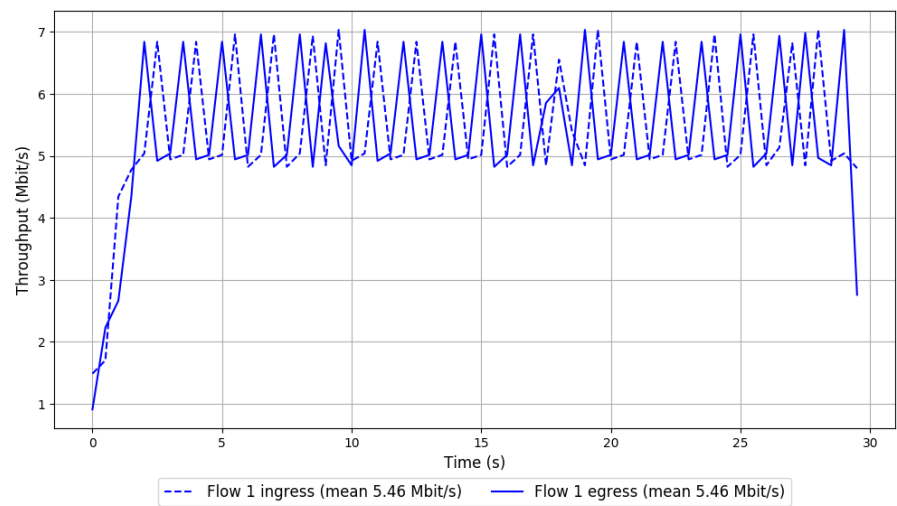
Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 141.131 ms

Loss rate: 0.73%



Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 22:33:07 +0000

End at: Sun, 16 Jul 2017 22:33:37 +0000

Local clock offset: -0.478 ms

Remote clock offset: -0.24 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:20 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 141.443 ms

Loss rate: 0.73%

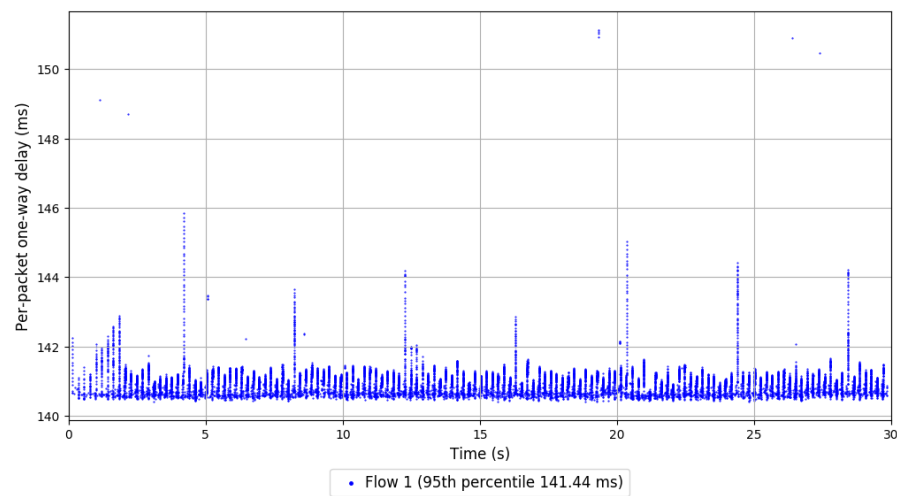
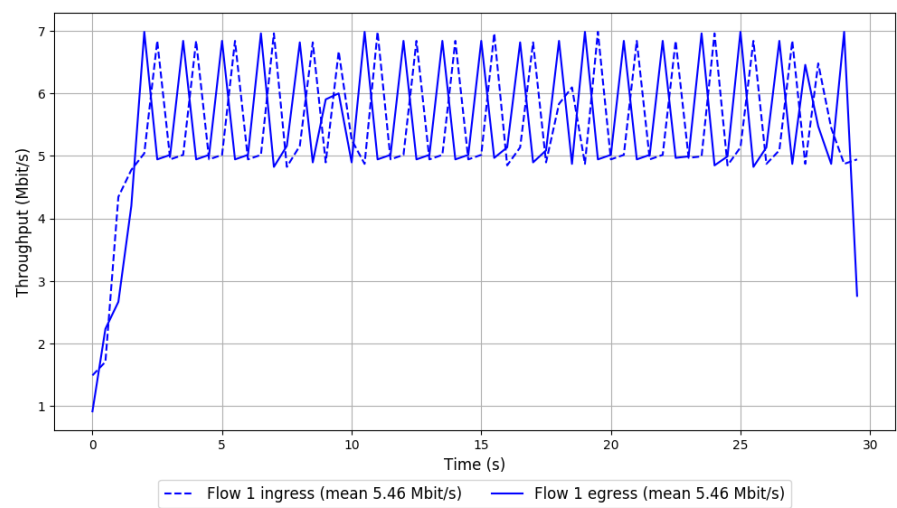
-- Flow 1:

Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 141.443 ms

Loss rate: 0.73%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 22:51:38 +0000

End at: Sun, 16 Jul 2017 22:52:08 +0000

Local clock offset: -0.492 ms

Remote clock offset: -3.061 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.54 Mbit/s

95th percentile per-packet one-way delay: 141.390 ms

Loss rate: 0.72%

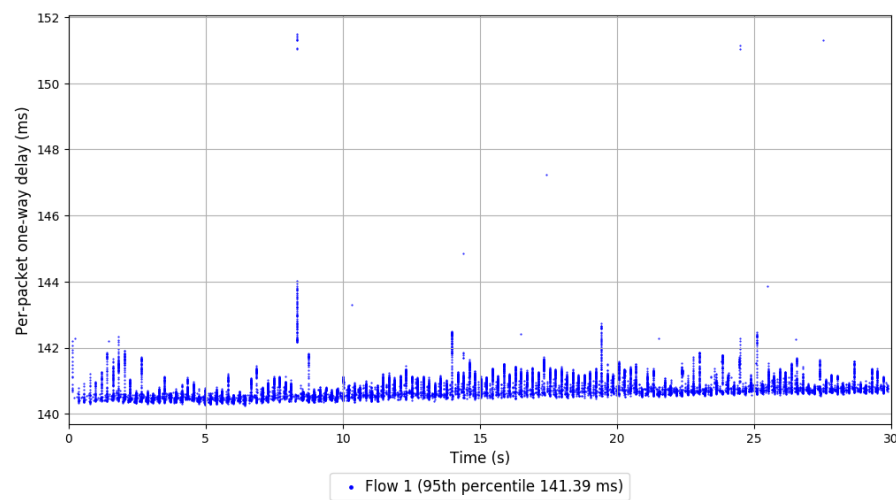
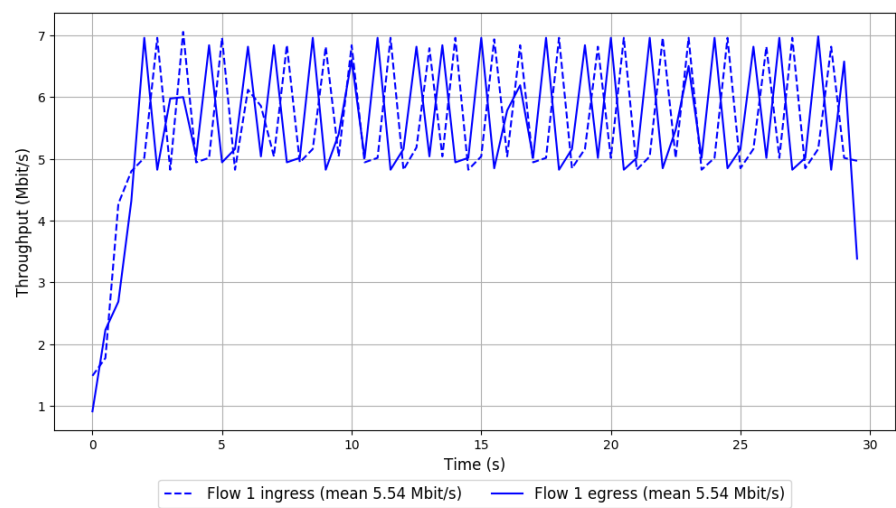
-- Flow 1:

Average throughput: 5.54 Mbit/s

95th percentile per-packet one-way delay: 141.390 ms

Loss rate: 0.72%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 23:09:59 +0000

End at: Sun, 16 Jul 2017 23:10:29 +0000

Local clock offset: -0.261 ms

Remote clock offset: 1.331 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.57 Mbit/s

95th percentile per-packet one-way delay: 141.323 ms

Loss rate: 0.72%

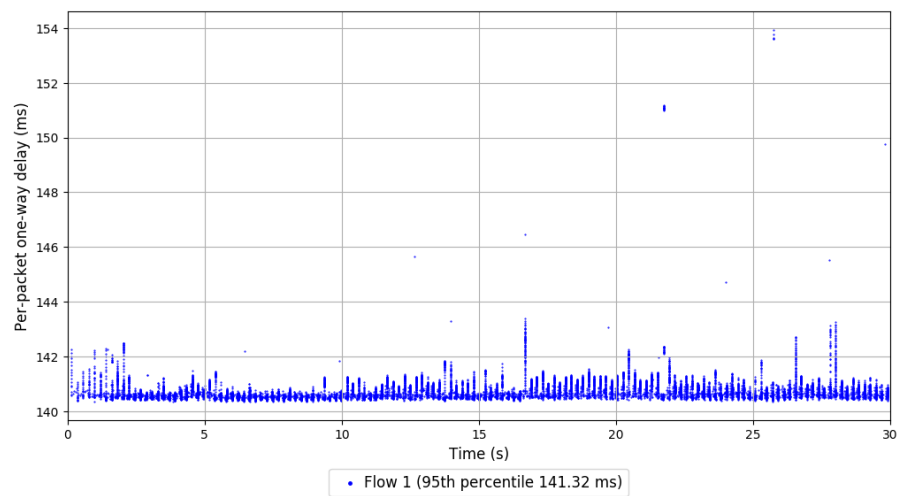
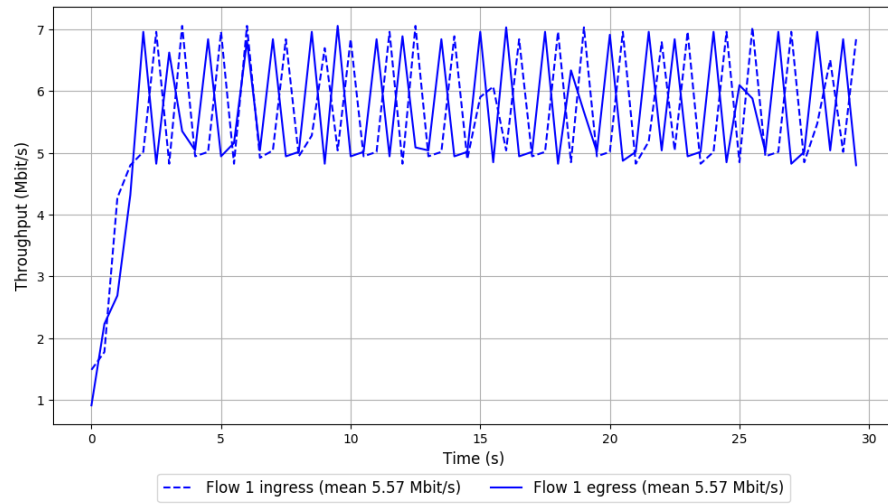
-- Flow 1:

Average throughput: 5.57 Mbit/s

95th percentile per-packet one-way delay: 141.323 ms

Loss rate: 0.72%

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



Run 5: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 23:28:24 +0000

End at: Sun, 16 Jul 2017 23:28:54 +0000

Local clock offset: -0.048 ms

Remote clock offset: 1.325 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:23 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 141.374 ms

Loss rate: 0.73%

-- Flow 1:

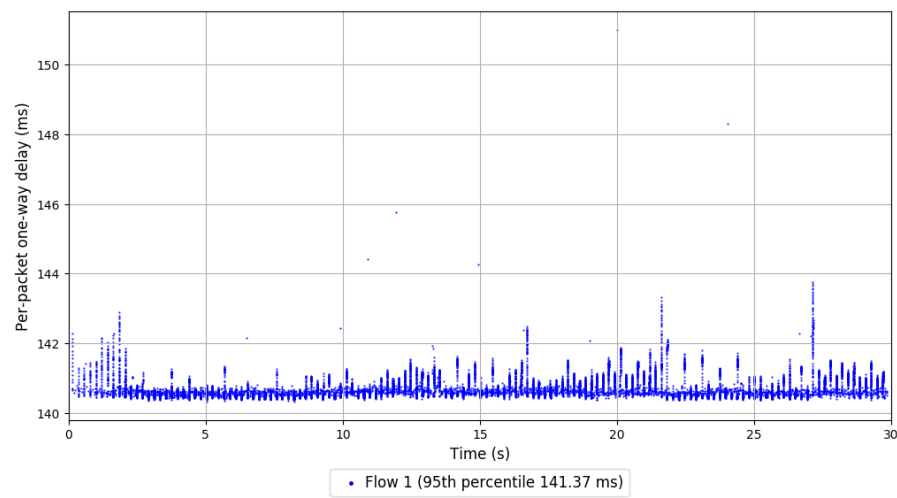
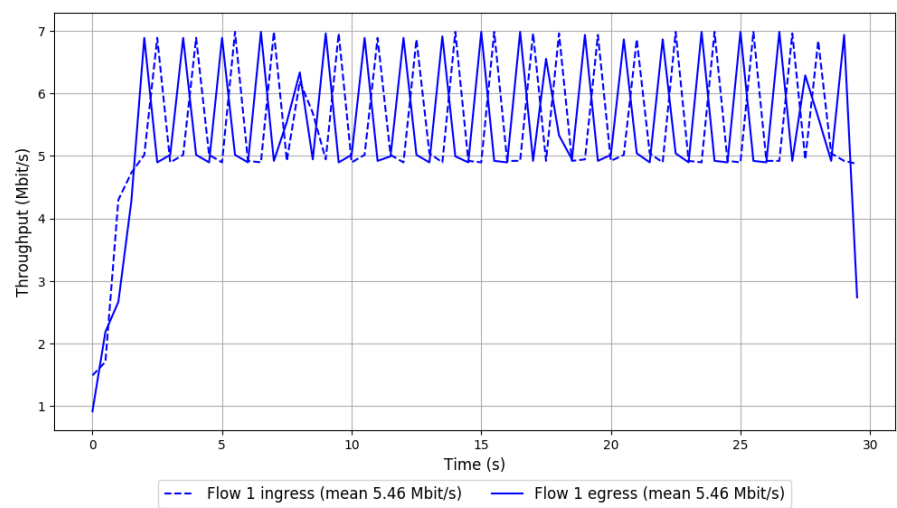
Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 141.374 ms

Loss rate: 0.73%



Run 5: Report of KohoCC — Data Link



Run 6: Statistics of KohoCC

Start at: Sun, 16 Jul 2017 23:47:01 +0000

End at: Sun, 16 Jul 2017 23:47:31 +0000

Local clock offset: -0.289 ms

Remote clock offset: 0.869 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:23 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 140.948 ms

Loss rate: 0.73%

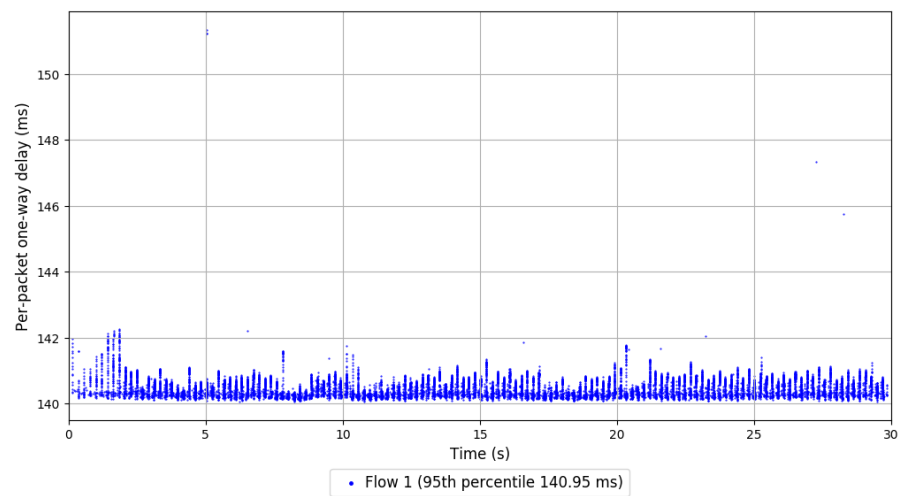
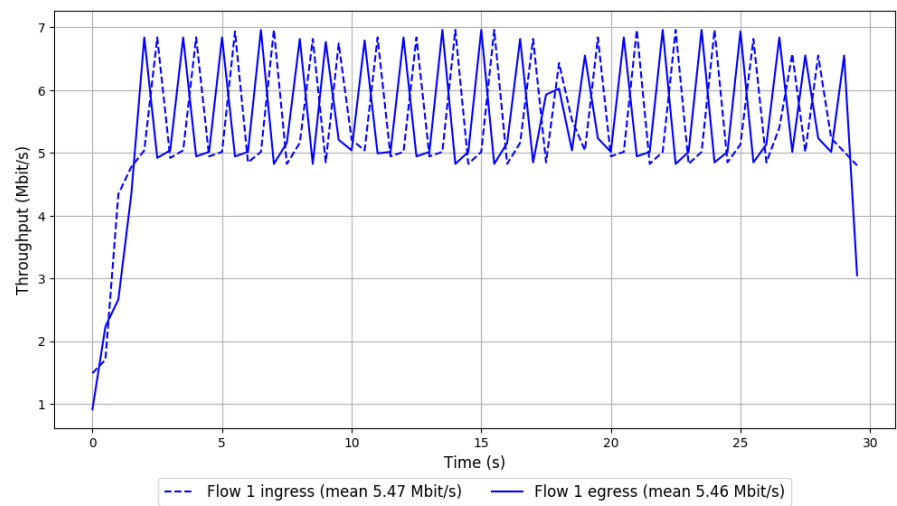
-- Flow 1:

Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 140.948 ms

Loss rate: 0.73%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Mon, 17 Jul 2017 00:05:35 +0000

End at: Mon, 17 Jul 2017 00:06:05 +0000

Local clock offset: -0.181 ms

Remote clock offset: 1.149 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:24 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.54 Mbit/s

95th percentile per-packet one-way delay: 141.275 ms

Loss rate: 0.72%

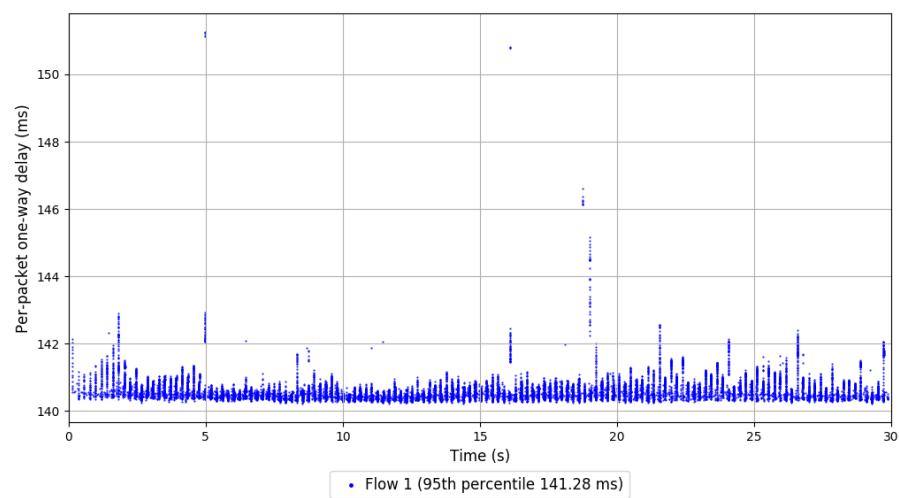
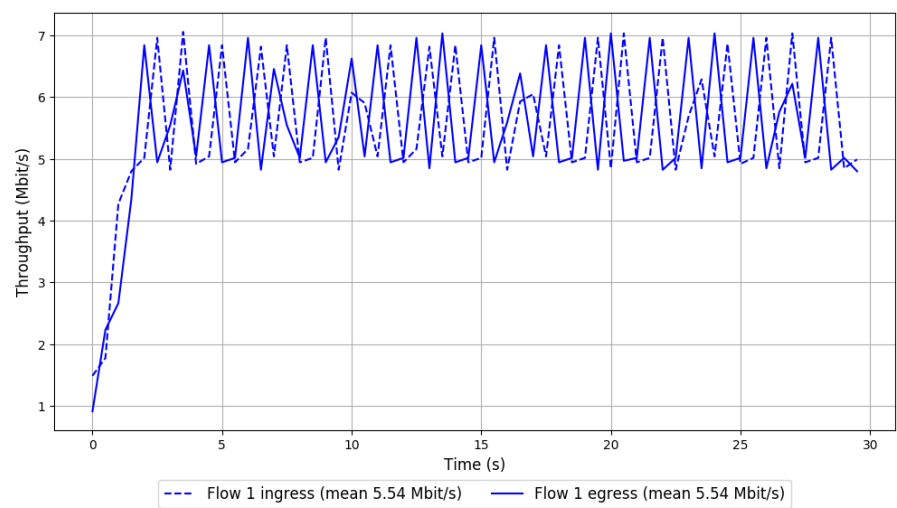
-- Flow 1:

Average throughput: 5.54 Mbit/s

95th percentile per-packet one-way delay: 141.275 ms

Loss rate: 0.72%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Mon, 17 Jul 2017 00:23:50 +0000

End at: Mon, 17 Jul 2017 00:24:20 +0000

Local clock offset: -0.042 ms

Remote clock offset: 1.677 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:25 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.47 Mbit/s

95th percentile per-packet one-way delay: 141.567 ms

Loss rate: 0.73%

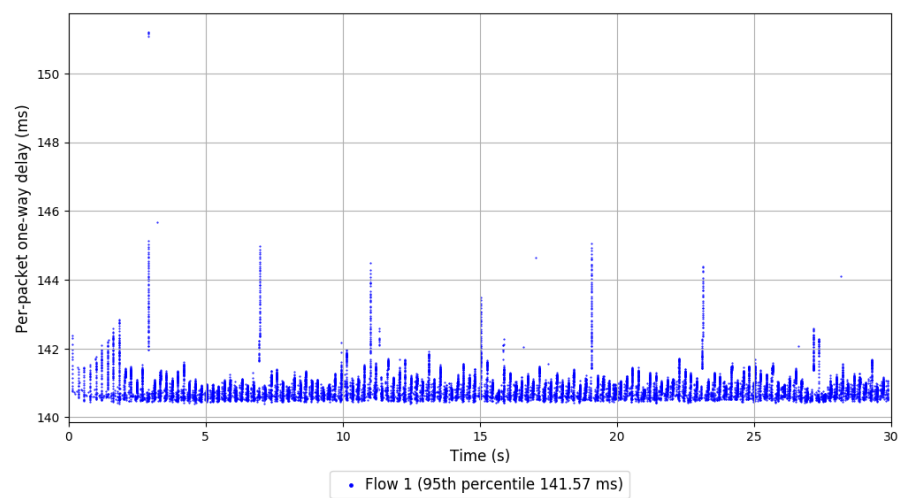
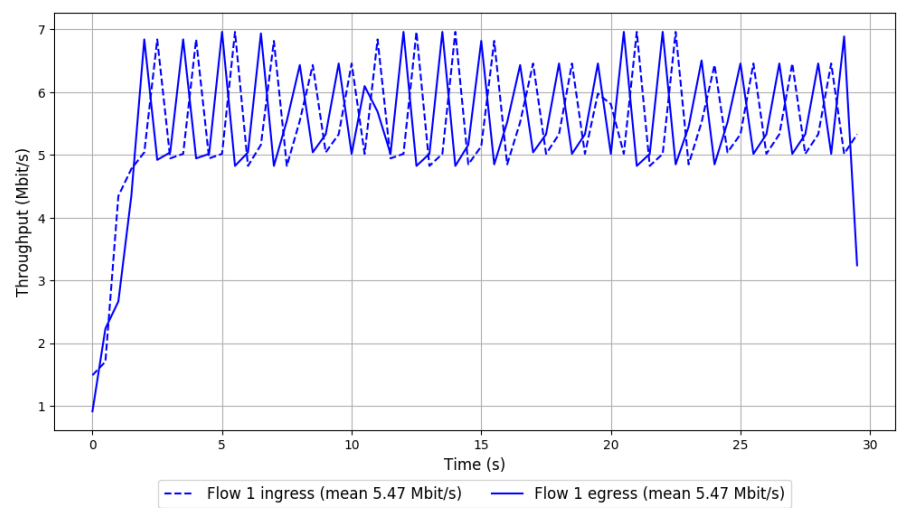
-- Flow 1:

Average throughput: 5.47 Mbit/s

95th percentile per-packet one-way delay: 141.567 ms

Loss rate: 0.73%

Run 8: Report of KohoCC — Data Link



Run 9: Statistics of KohoCC

Start at: Mon, 17 Jul 2017 00:42:04 +0000

End at: Mon, 17 Jul 2017 00:42:34 +0000

Local clock offset: 1.293 ms

Remote clock offset: 1.535 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:26 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.53 Mbit/s

95th percentile per-packet one-way delay: 142.652 ms

Loss rate: 0.90%

-- Flow 1:

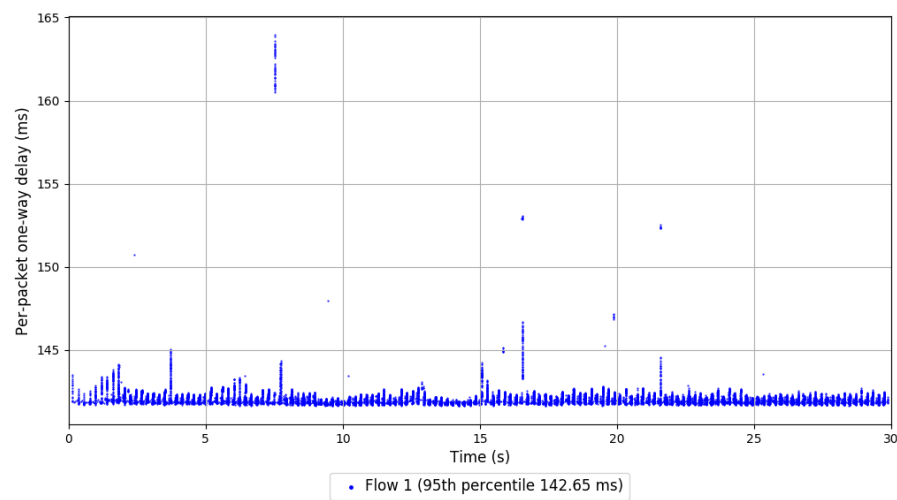
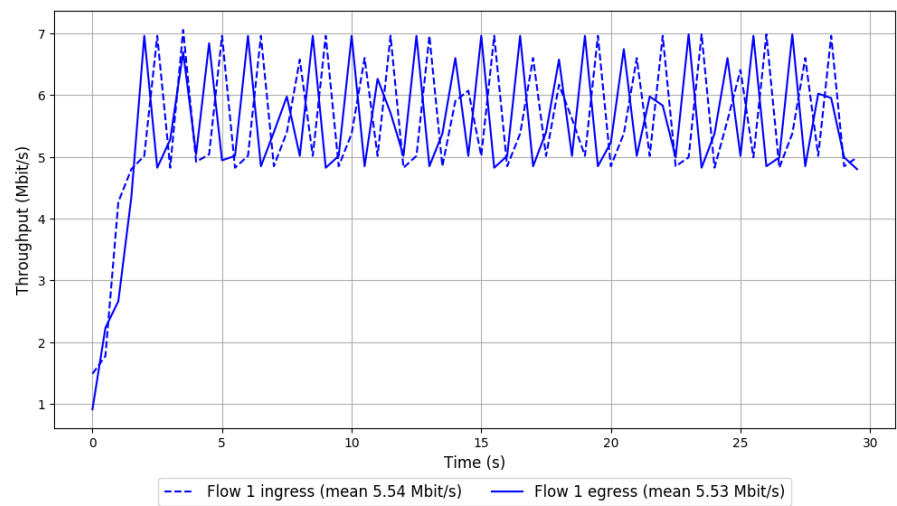
Average throughput: 5.53 Mbit/s

95th percentile per-packet one-way delay: 142.652 ms

Loss rate: 0.90%



Run 9: Report of KohoCC — Data Link



Run 10: Statistics of KohoCC

Start at: Mon, 17 Jul 2017 01:00:20 +0000

End at: Mon, 17 Jul 2017 01:00:50 +0000

Local clock offset: -0.137 ms

Remote clock offset: 1.383 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:27 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 141.548 ms

Loss rate: 0.73%

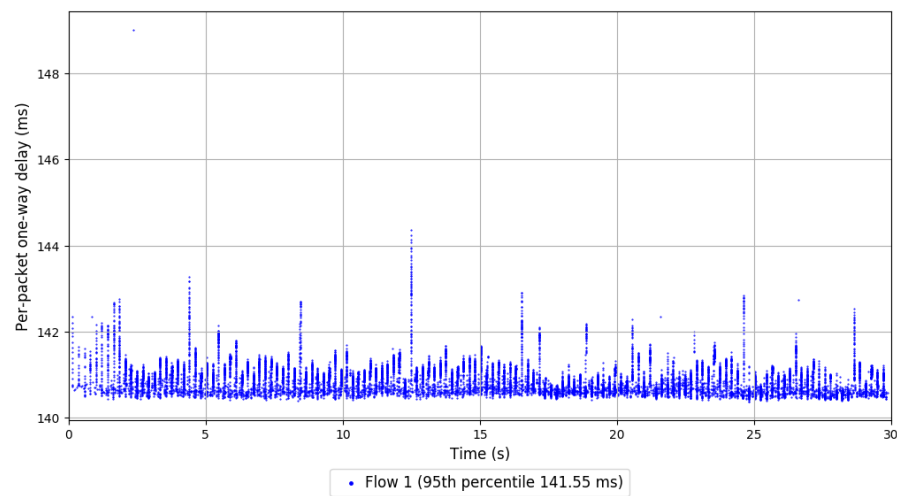
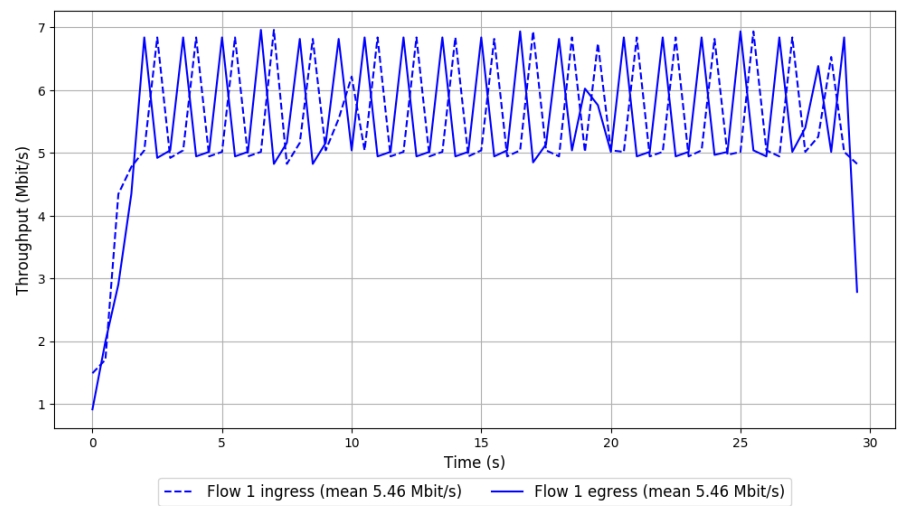
-- Flow 1:

Average throughput: 5.46 Mbit/s

95th percentile per-packet one-way delay: 141.548 ms

Loss rate: 0.73%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

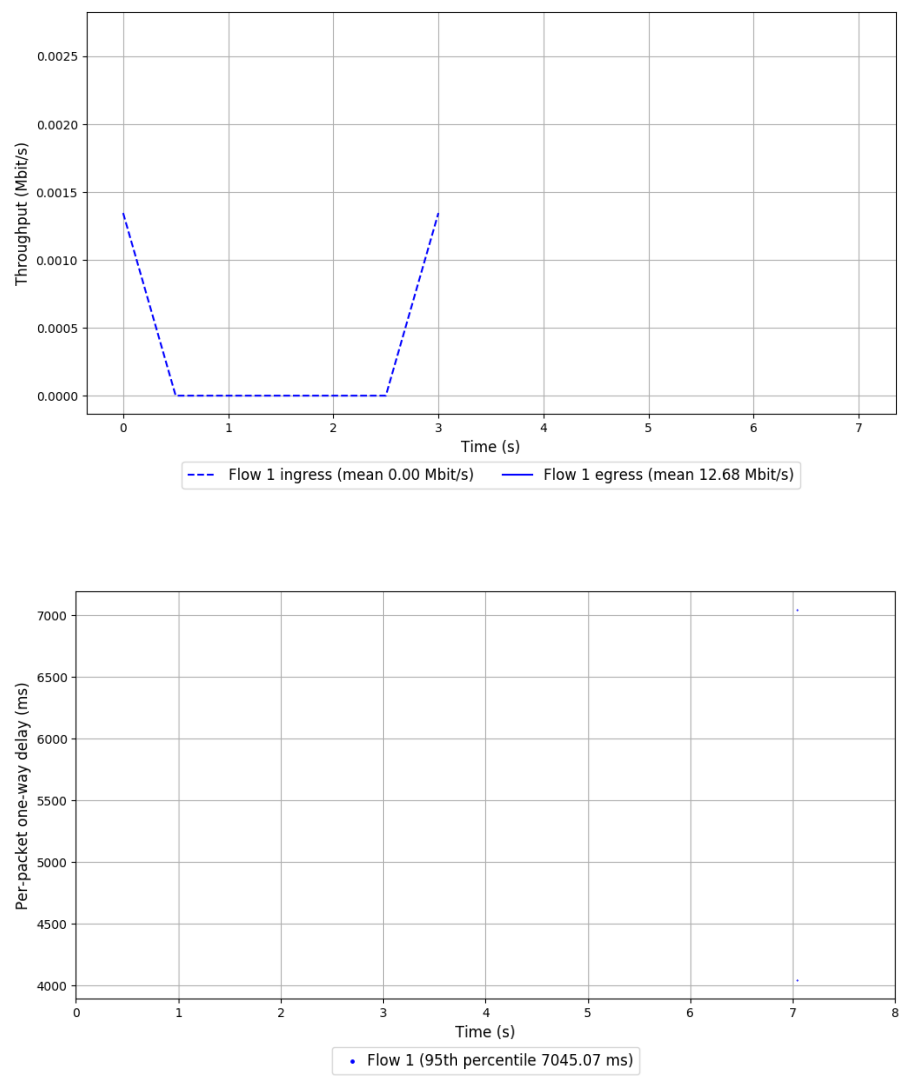
Start at: Sun, 16 Jul 2017 22:11:17 +0000

End at: Sun, 16 Jul 2017 22:11:47 +0000

Local clock offset: -0.668 ms

Remote clock offset: -0.231 ms

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 22:29:26 +0000

End at: Sun, 16 Jul 2017 22:29:56 +0000

Local clock offset: -0.644 ms

Remote clock offset: -0.232 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:28 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.81 Mbit/s

95th percentile per-packet one-way delay: 142.140 ms

Loss rate: 0.91%

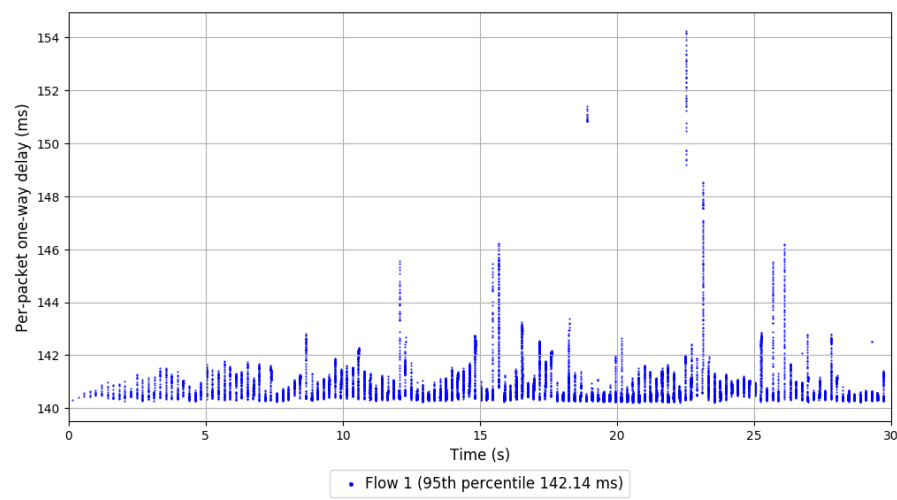
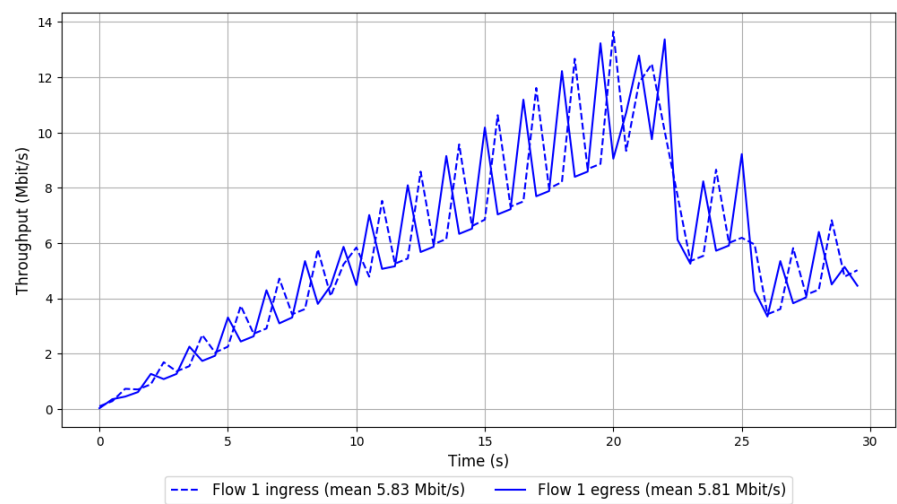
-- Flow 1:

Average throughput: 5.81 Mbit/s

95th percentile per-packet one-way delay: 142.140 ms

Loss rate: 0.91%

Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 22:47:55 +0000

End at: Sun, 16 Jul 2017 22:48:25 +0000

Local clock offset: -0.386 ms

Remote clock offset: -3.342 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:29 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.89 Mbit/s

95th percentile per-packet one-way delay: 141.915 ms

Loss rate: 0.84%

-- Flow 1:

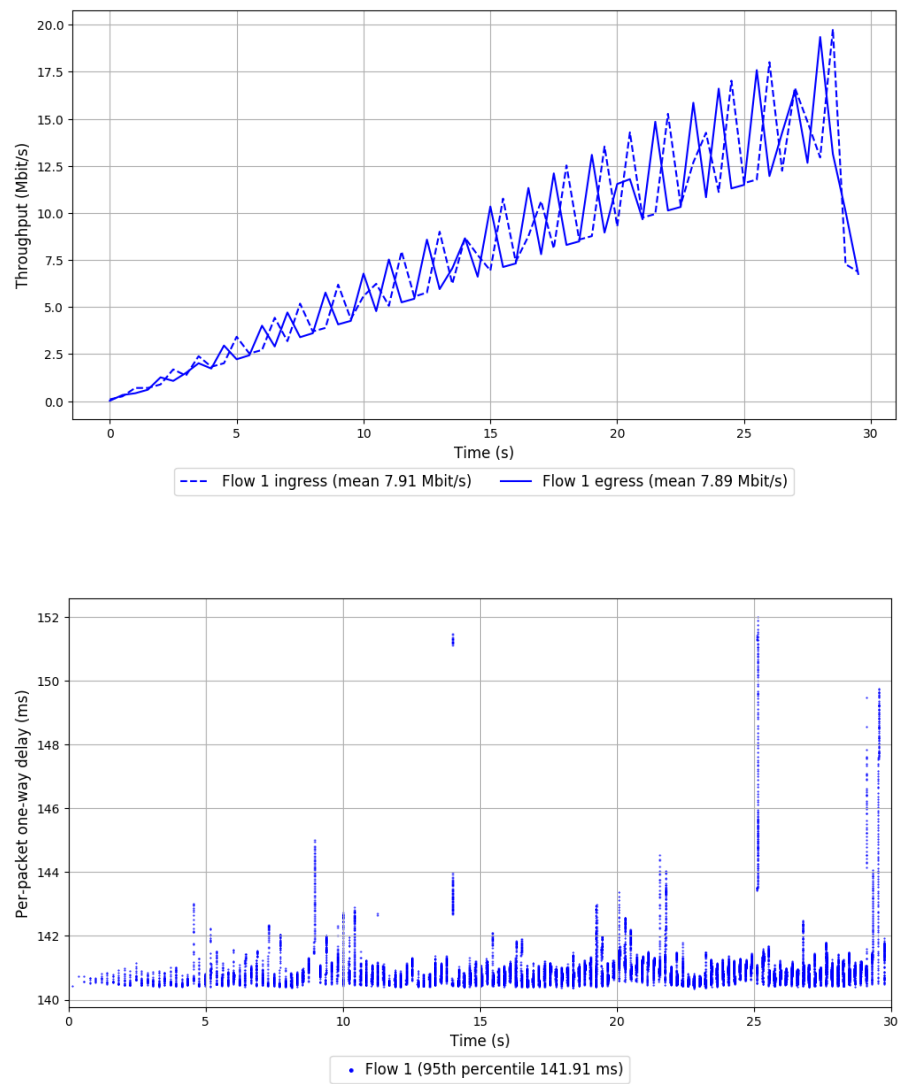
Average throughput: 7.89 Mbit/s

95th percentile per-packet one-way delay: 141.915 ms

Loss rate: 0.84%



Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 23:06:17 +0000

End at: Sun, 16 Jul 2017 23:06:48 +0000

Local clock offset: -0.246 ms

Remote clock offset: 1.113 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:30 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.17 Mbit/s

95th percentile per-packet one-way delay: 142.486 ms

Loss rate: 1.55%

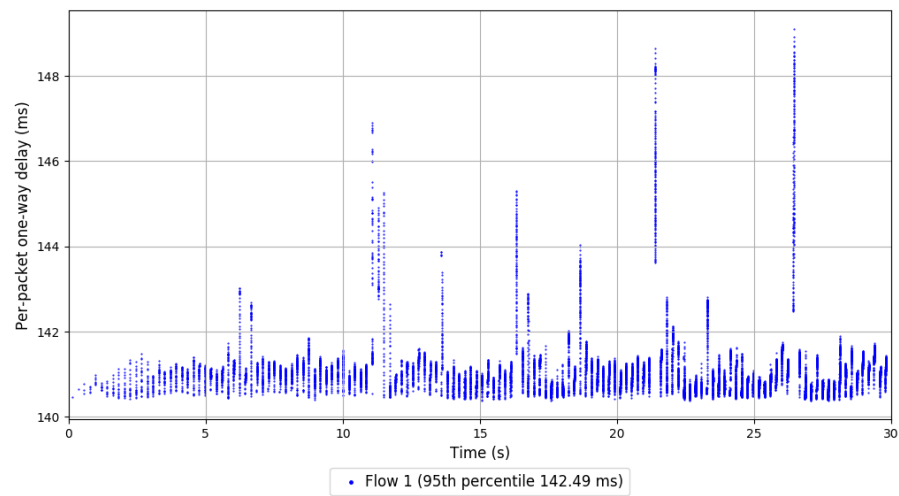
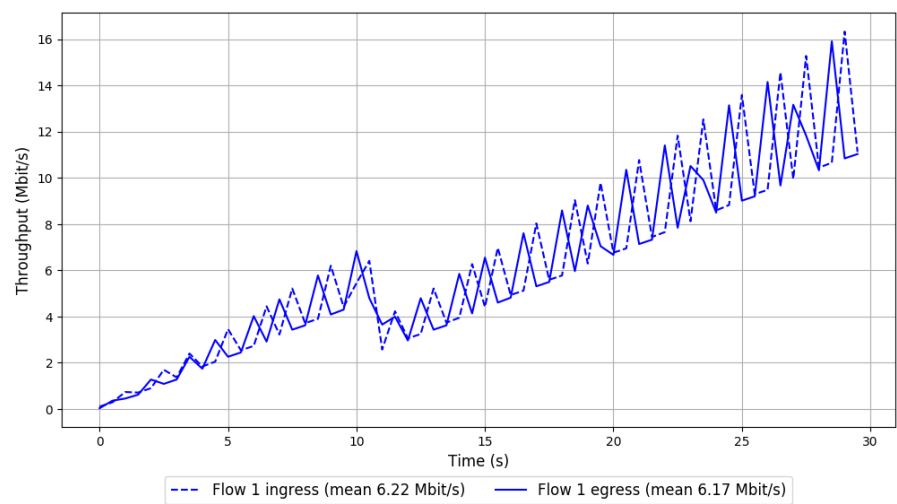
-- Flow 1:

Average throughput: 6.17 Mbit/s

95th percentile per-packet one-way delay: 142.486 ms

Loss rate: 1.55%

Run 4: Report of LEDBAT — Data Link



Run 5: Statistics of LEDBAT

Start at: Sun, 16 Jul 2017 23:24:39 +0000

End at: Sun, 16 Jul 2017 23:25:09 +0000

Local clock offset: -0.408 ms

Remote clock offset: 1.554 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:30 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 141.372 ms

Loss rate: 2.22%

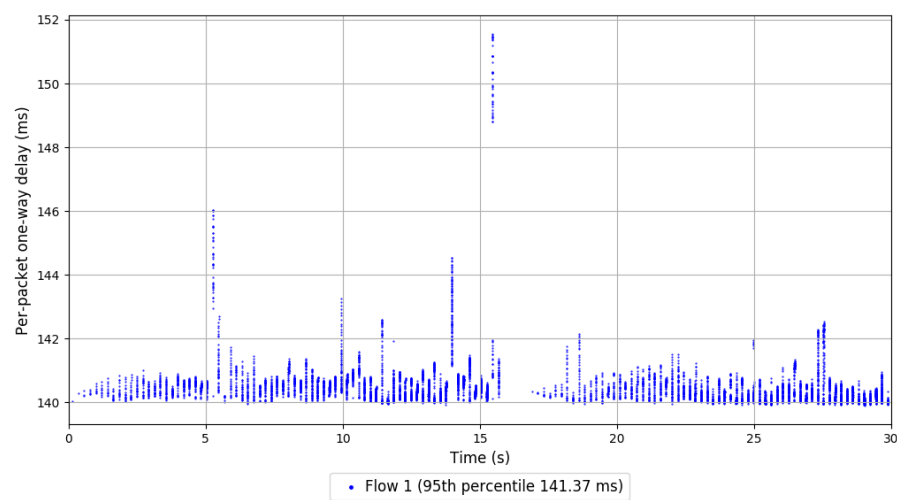
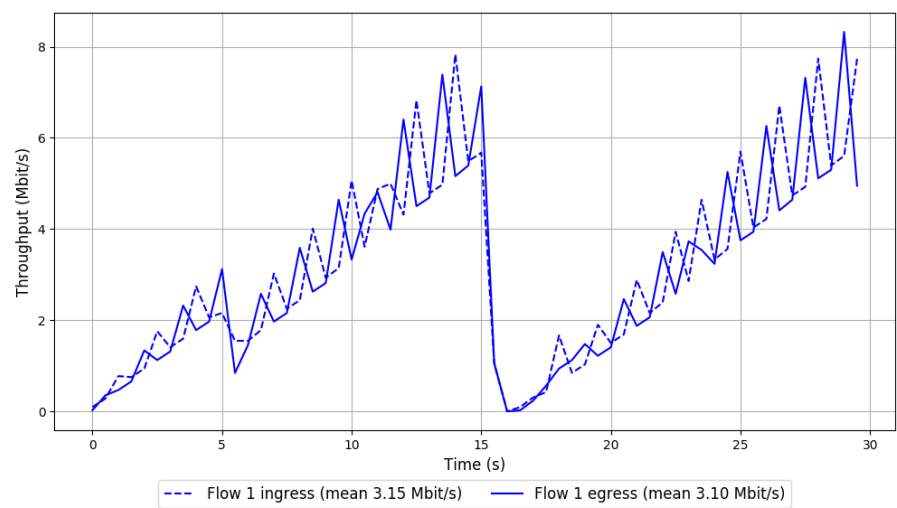
-- Flow 1:

Average throughput: 3.10 Mbit/s

95th percentile per-packet one-way delay: 141.372 ms

Loss rate: 2.22%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

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

End at: Sun, 16 Jul 2017 23:43:50 +0000

Local clock offset: -0.093 ms

Remote clock offset: 1.045 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:31 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.97 Mbit/s

95th percentile per-packet one-way delay: 141.499 ms

Loss rate: 1.17%

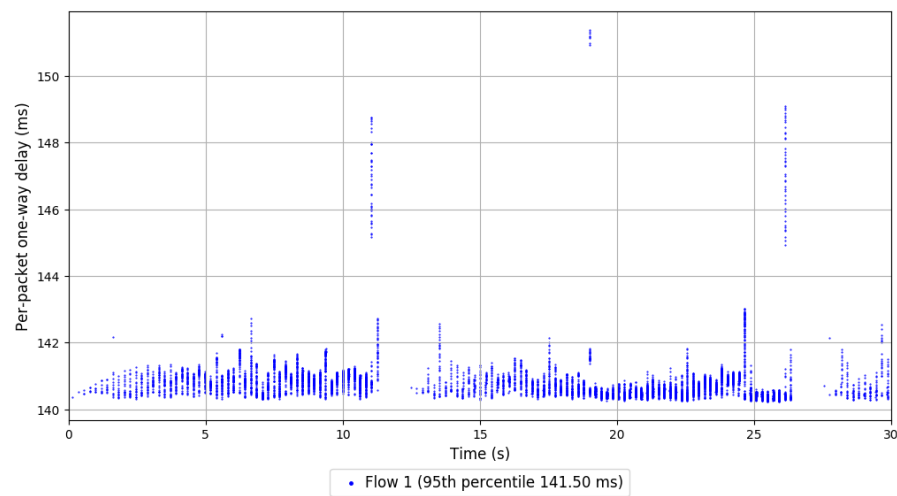
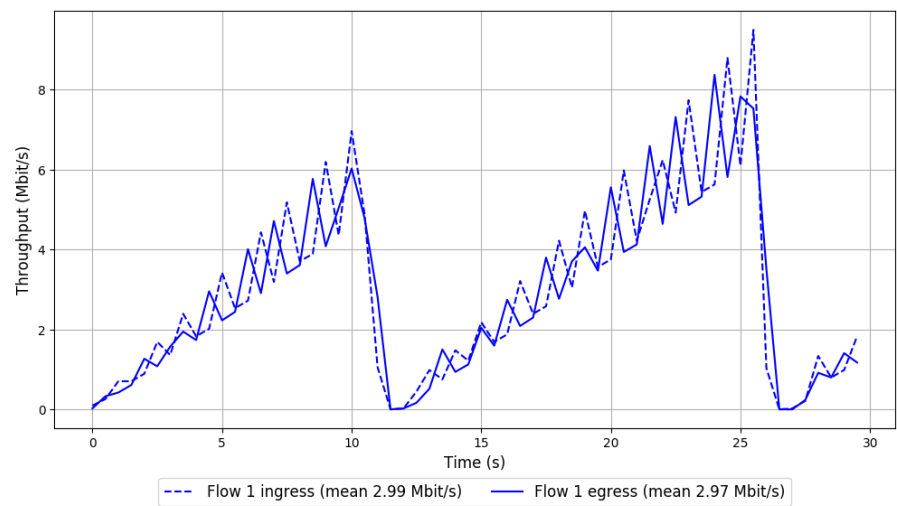
-- Flow 1:

Average throughput: 2.97 Mbit/s

95th percentile per-packet one-way delay: 141.499 ms

Loss rate: 1.17%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Mon, 17 Jul 2017 00:01:52 +0000

End at: Mon, 17 Jul 2017 00:02:22 +0000

Local clock offset: -0.02 ms

Remote clock offset: 0.989 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:32 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 8.06 Mbit/s

95th percentile per-packet one-way delay: 141.665 ms

Loss rate: 1.41%

-- Flow 1:

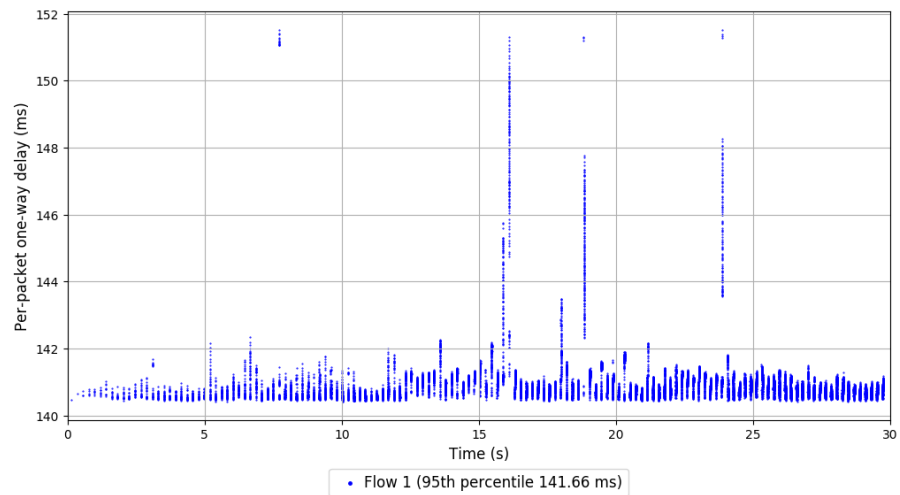
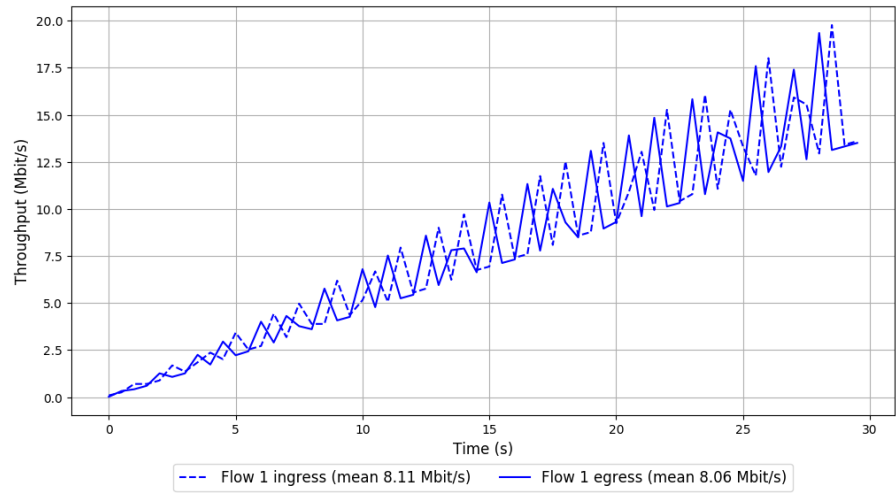
Average throughput: 8.06 Mbit/s

95th percentile per-packet one-way delay: 141.665 ms

Loss rate: 1.41%



## Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Mon, 17 Jul 2017 00:20:08 +0000

End at: Mon, 17 Jul 2017 00:20:38 +0000

Local clock offset: -0.205 ms

Remote clock offset: 1.645 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:33 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.07 Mbit/s

95th percentile per-packet one-way delay: 142.087 ms

Loss rate: 0.93%

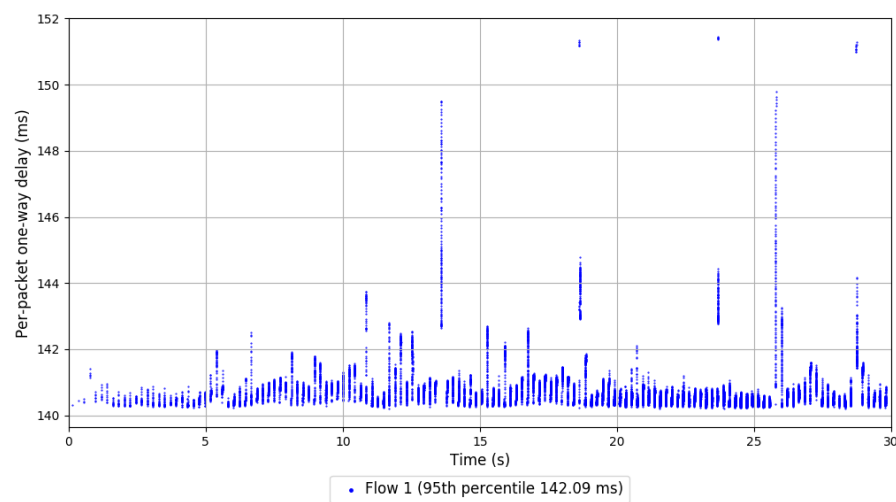
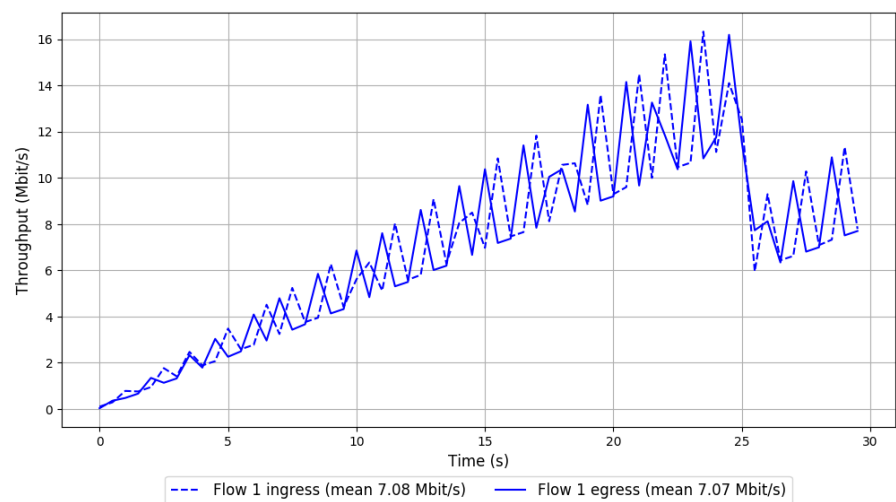
-- Flow 1:

Average throughput: 7.07 Mbit/s

95th percentile per-packet one-way delay: 142.087 ms

Loss rate: 0.93%

Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Mon, 17 Jul 2017 00:38:23 +0000

End at: Mon, 17 Jul 2017 00:38:53 +0000

Local clock offset: -0.189 ms

Remote clock offset: 1.6 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:34 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.89 Mbit/s

95th percentile per-packet one-way delay: 141.637 ms

Loss rate: 1.43%

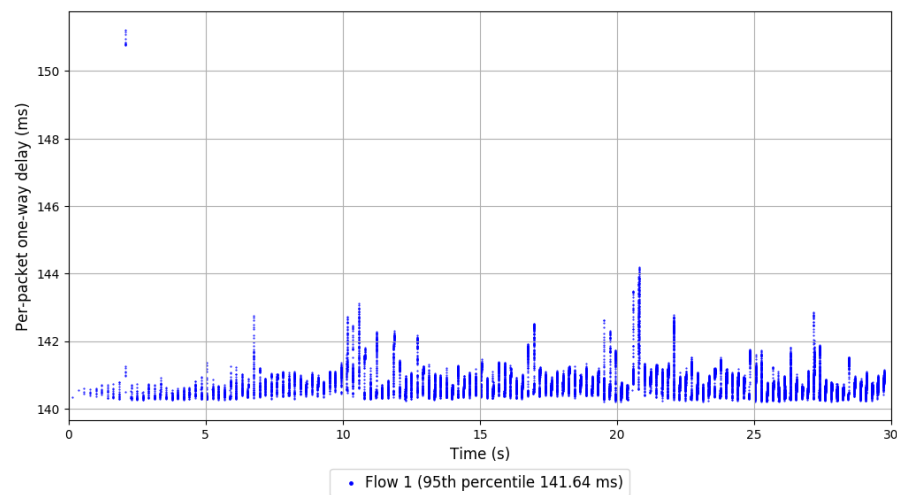
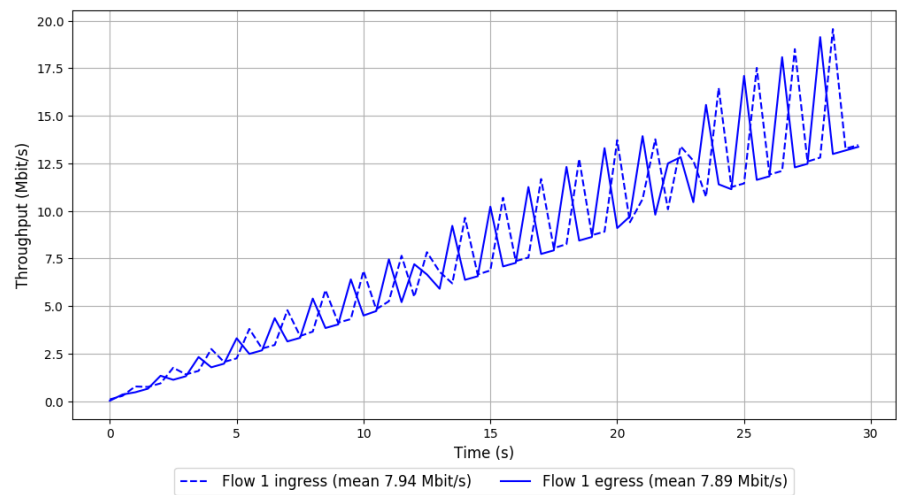
-- Flow 1:

Average throughput: 7.89 Mbit/s

95th percentile per-packet one-way delay: 141.637 ms

Loss rate: 1.43%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Mon, 17 Jul 2017 00:56:39 +0000

End at: Mon, 17 Jul 2017 00:57:09 +0000

Local clock offset: 1.116 ms

Remote clock offset: 1.399 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:35 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.83 Mbit/s

95th percentile per-packet one-way delay: 143.115 ms

Loss rate: 1.43%

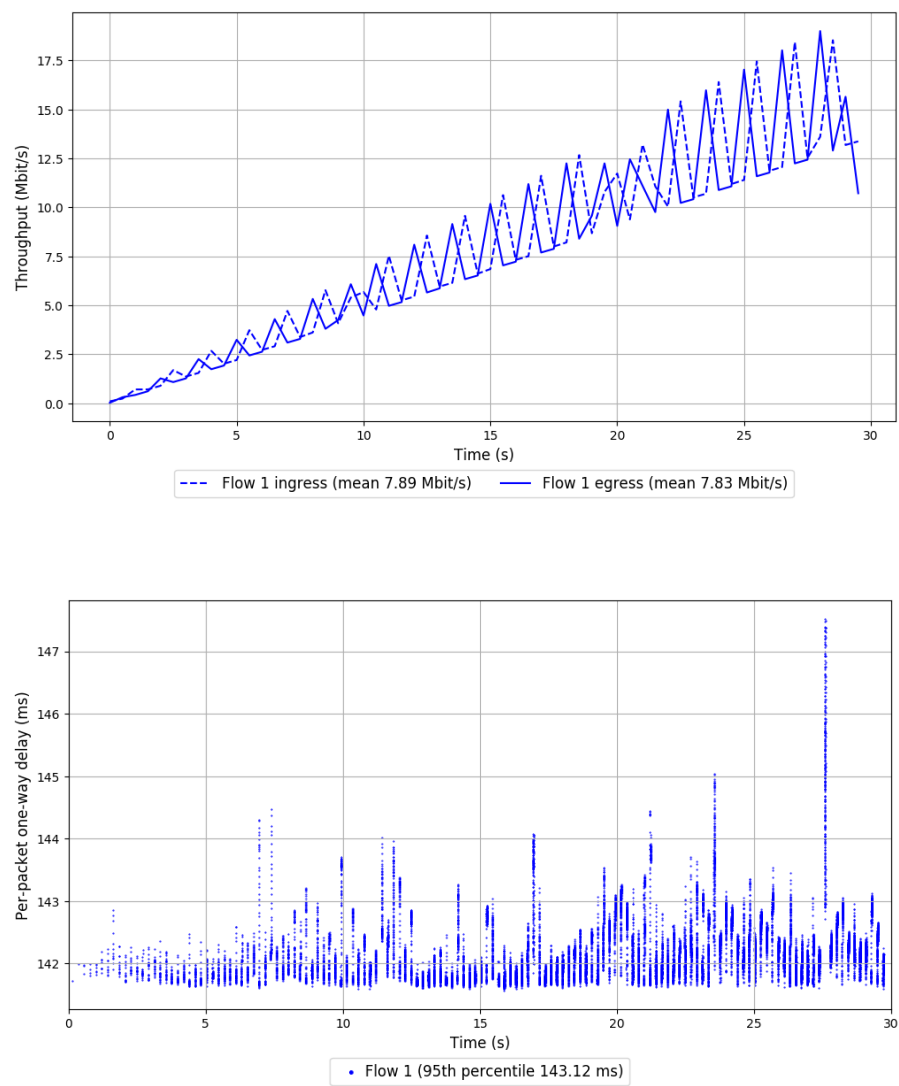
-- Flow 1:

Average throughput: 7.83 Mbit/s

95th percentile per-packet one-way delay: 143.115 ms

Loss rate: 1.43%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Sun, 16 Jul 2017 22:22:12 +0000

End at: Sun, 16 Jul 2017 22:22:42 +0000

Local clock offset: 0.782 ms

Remote clock offset: -0.308 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:40 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.52 Mbit/s

95th percentile per-packet one-way delay: 143.399 ms

Loss rate: 1.37%

-- Flow 1:

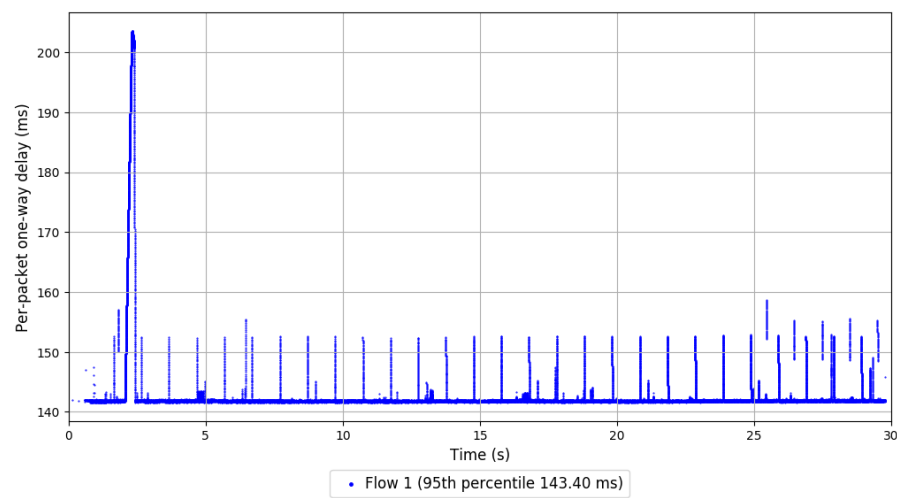
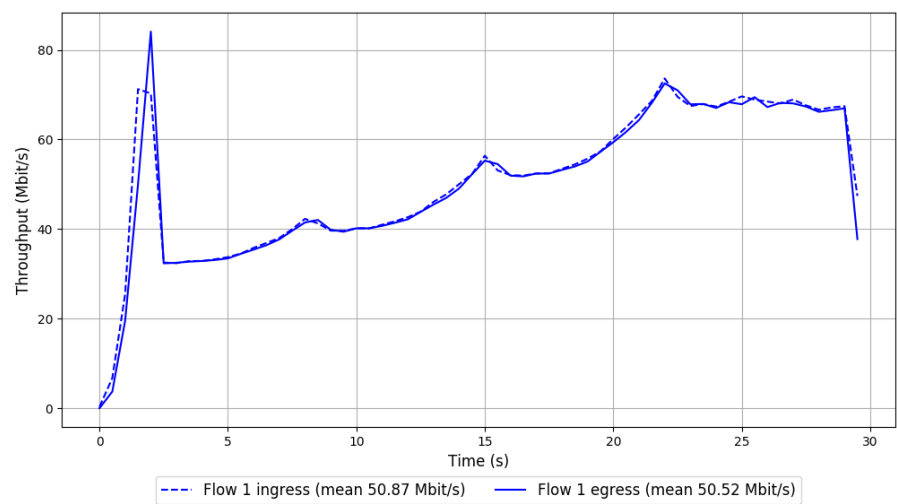
Average throughput: 50.52 Mbit/s

95th percentile per-packet one-way delay: 143.399 ms

Loss rate: 1.37%



Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Sun, 16 Jul 2017 22:40:37 +0000

End at: Sun, 16 Jul 2017 22:41:07 +0000

Local clock offset: 1.014 ms

Remote clock offset: 0.25 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:44 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.40 Mbit/s

95th percentile per-packet one-way delay: 151.783 ms

Loss rate: 1.29%

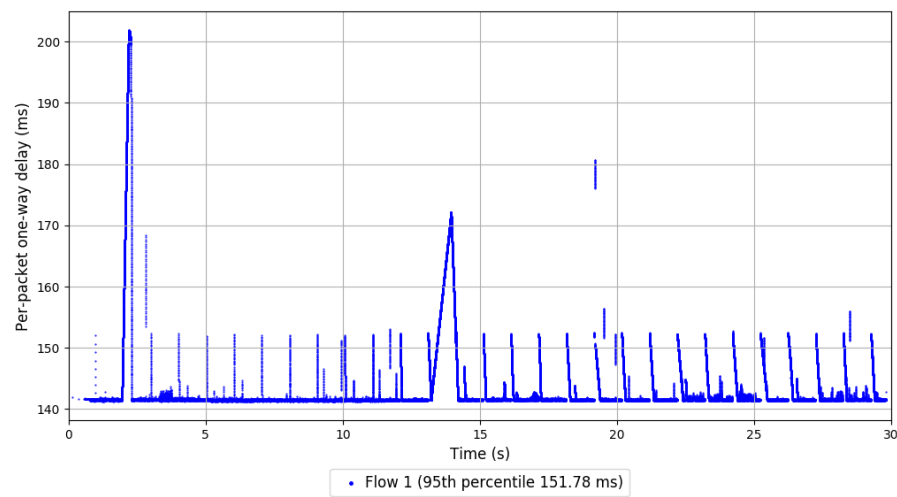
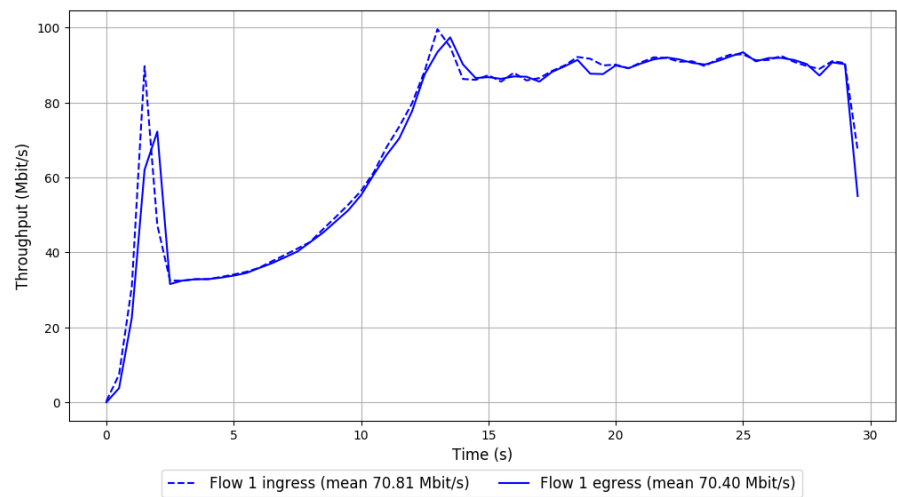
-- Flow 1:

Average throughput: 70.40 Mbit/s

95th percentile per-packet one-way delay: 151.783 ms

Loss rate: 1.29%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

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

End at: Sun, 16 Jul 2017 22:59:28 +0000

Local clock offset: 1.068 ms

Remote clock offset: 0.745 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:49 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 56.63 Mbit/s

95th percentile per-packet one-way delay: 151.784 ms

Loss rate: 1.26%

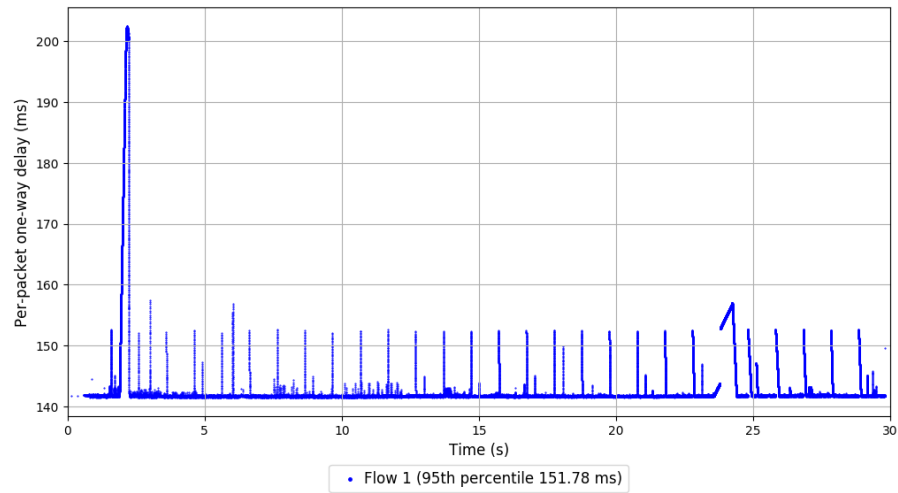
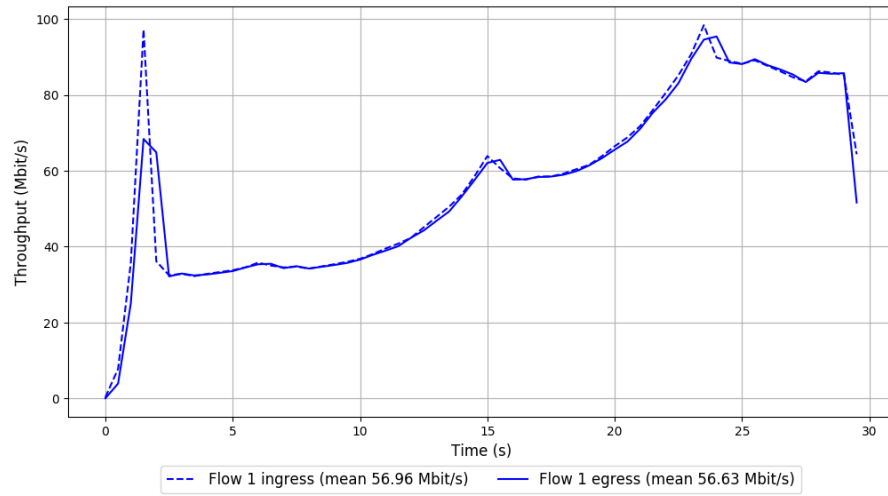
-- Flow 1:

Average throughput: 56.63 Mbit/s

95th percentile per-packet one-way delay: 151.784 ms

Loss rate: 1.26%

### Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

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

End at: Sun, 16 Jul 2017 23:17:53 +0000

Local clock offset: 1.181 ms

Remote clock offset: 1.945 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:52 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 50.30 Mbit/s

95th percentile per-packet one-way delay: 142.615 ms

Loss rate: 1.20%

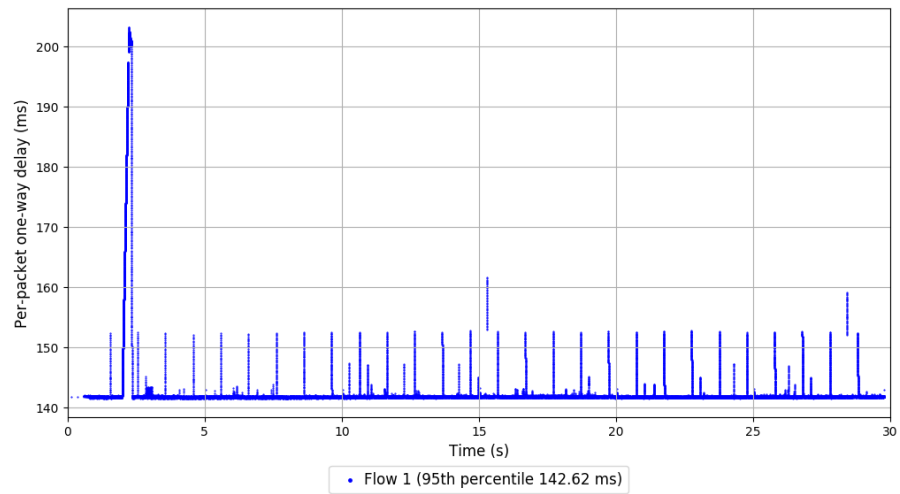
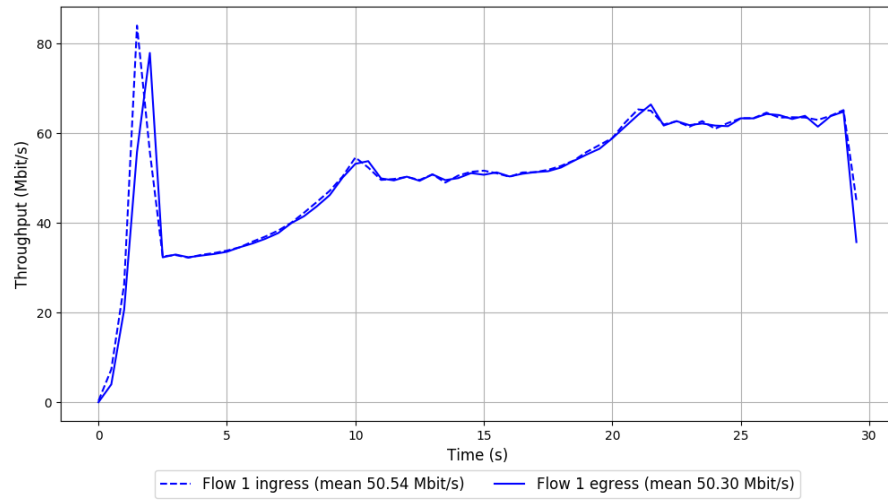
-- Flow 1:

Average throughput: 50.30 Mbit/s

95th percentile per-packet one-way delay: 142.615 ms

Loss rate: 1.20%

#### Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Sun, 16 Jul 2017 23:35:49 +0000

End at: Sun, 16 Jul 2017 23:36:19 +0000

Local clock offset: 1.346 ms

Remote clock offset: 1.313 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:56 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 49.97 Mbit/s

95th percentile per-packet one-way delay: 143.283 ms

Loss rate: 1.07%

-- Flow 1:

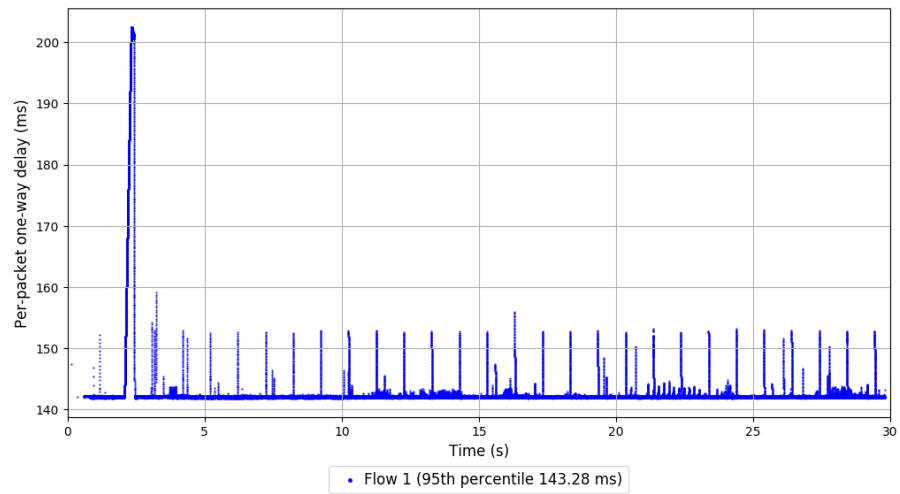
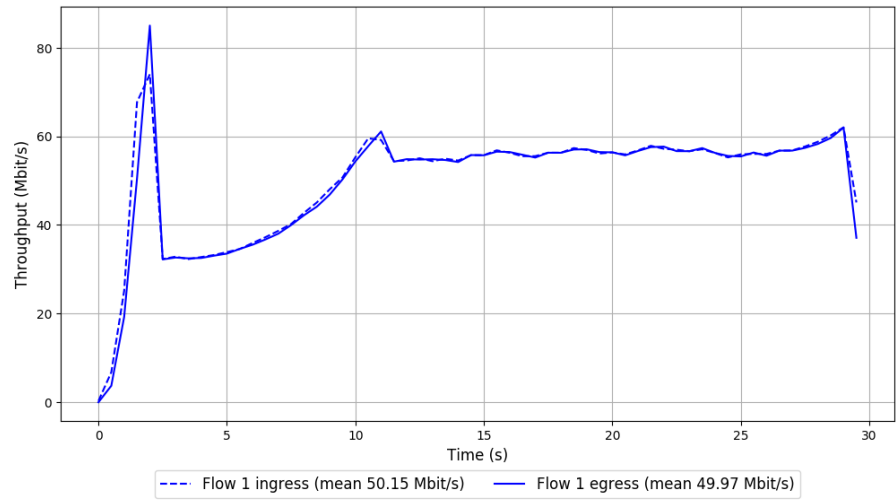
Average throughput: 49.97 Mbit/s

95th percentile per-packet one-way delay: 143.283 ms

Loss rate: 1.07%



### Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Sun, 16 Jul 2017 23:54:26 +0000

End at: Sun, 16 Jul 2017 23:54:56 +0000

Local clock offset: 1.373 ms

Remote clock offset: 0.774 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:37:59 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.48 Mbit/s

95th percentile per-packet one-way delay: 149.071 ms

Loss rate: 1.50%

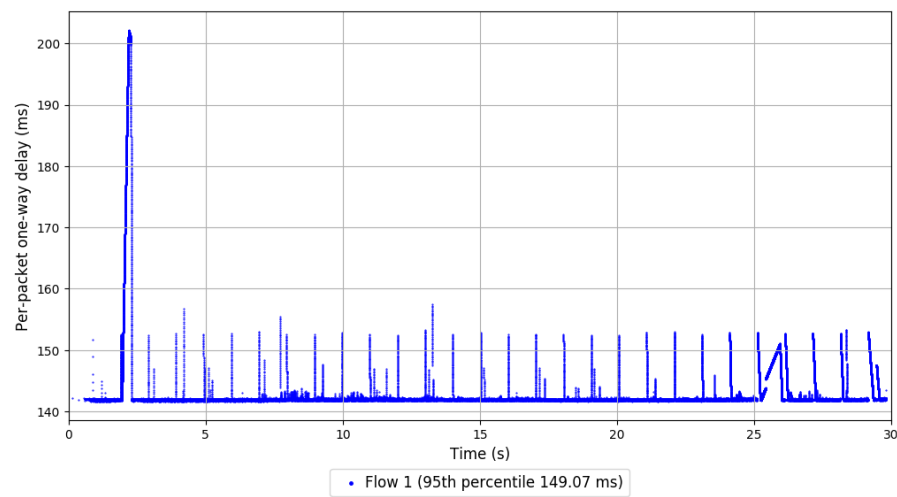
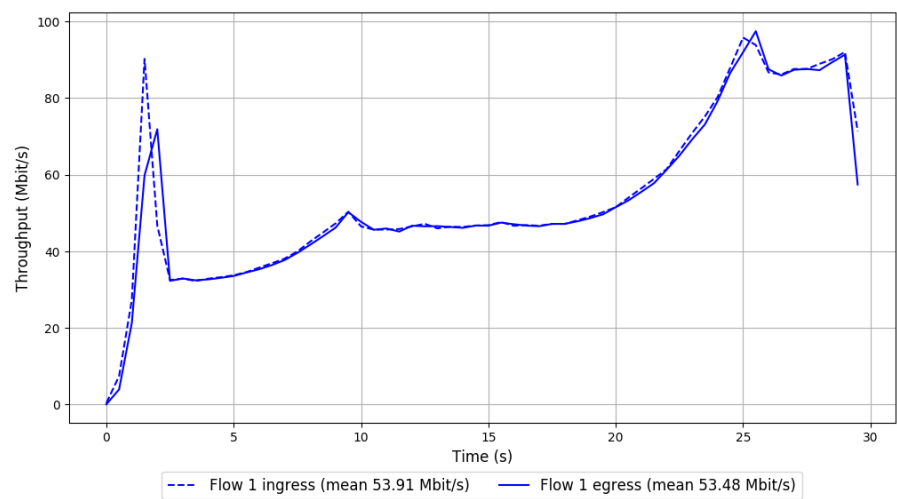
-- Flow 1:

Average throughput: 53.48 Mbit/s

95th percentile per-packet one-way delay: 149.071 ms

Loss rate: 1.50%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Mon, 17 Jul 2017 00:12:56 +0000

End at: Mon, 17 Jul 2017 00:13:26 +0000

Local clock offset: -0.055 ms

Remote clock offset: 1.441 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:04 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 63.29 Mbit/s

95th percentile per-packet one-way delay: 147.950 ms

Loss rate: 1.25%

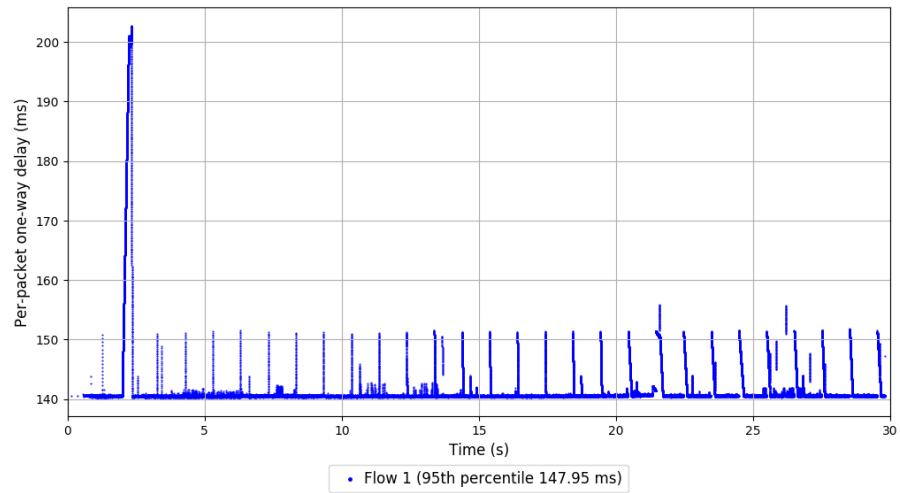
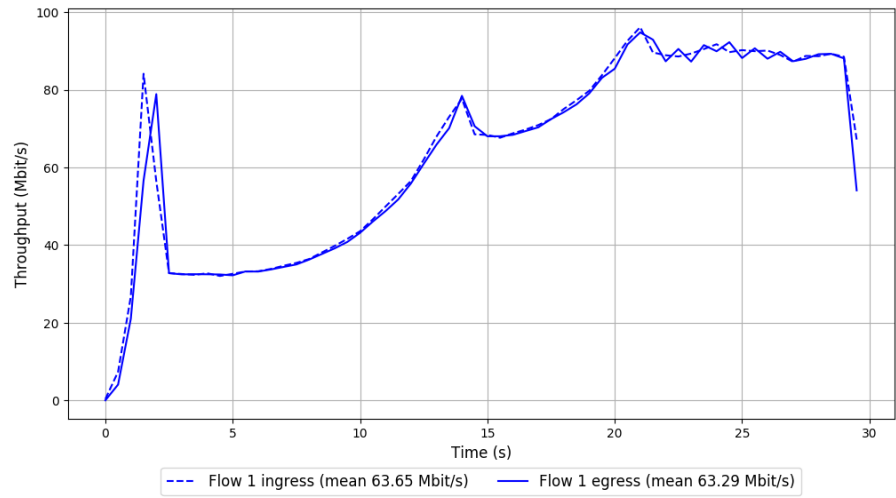
-- Flow 1:

Average throughput: 63.29 Mbit/s

95th percentile per-packet one-way delay: 147.950 ms

Loss rate: 1.25%

## Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Mon, 17 Jul 2017 00:31:08 +0000

End at: Mon, 17 Jul 2017 00:31:38 +0000

Local clock offset: -0.061 ms

Remote clock offset: 1.807 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:08 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.88 Mbit/s

95th percentile per-packet one-way delay: 145.914 ms

Loss rate: 1.19%

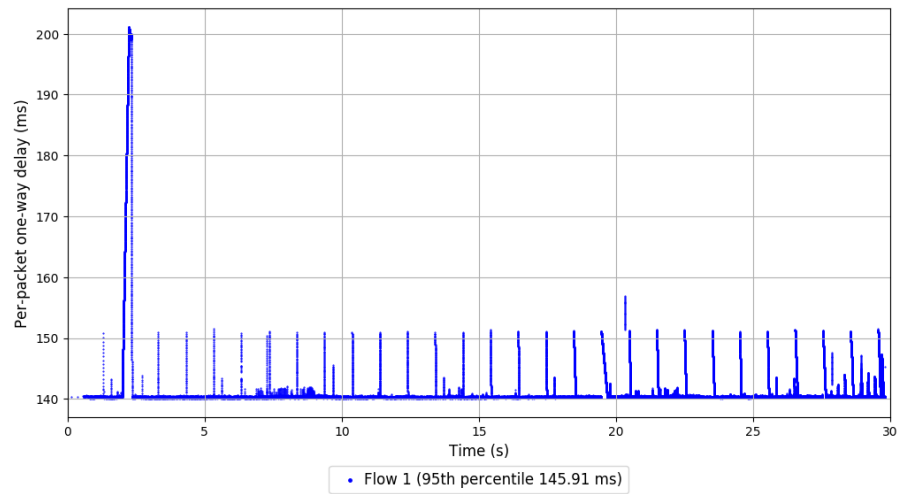
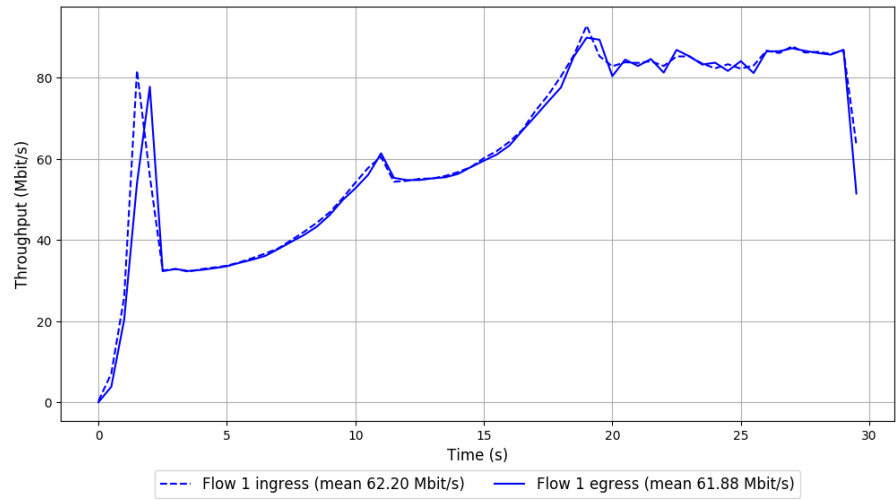
-- Flow 1:

Average throughput: 61.88 Mbit/s

95th percentile per-packet one-way delay: 145.914 ms

Loss rate: 1.19%

### Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Mon, 17 Jul 2017 00:49:22 +0000

End at: Mon, 17 Jul 2017 00:49:52 +0000

Local clock offset: 1.278 ms

Remote clock offset: 1.346 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:12 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 45.19 Mbit/s

95th percentile per-packet one-way delay: 143.021 ms

Loss rate: 1.46%

-- Flow 1:

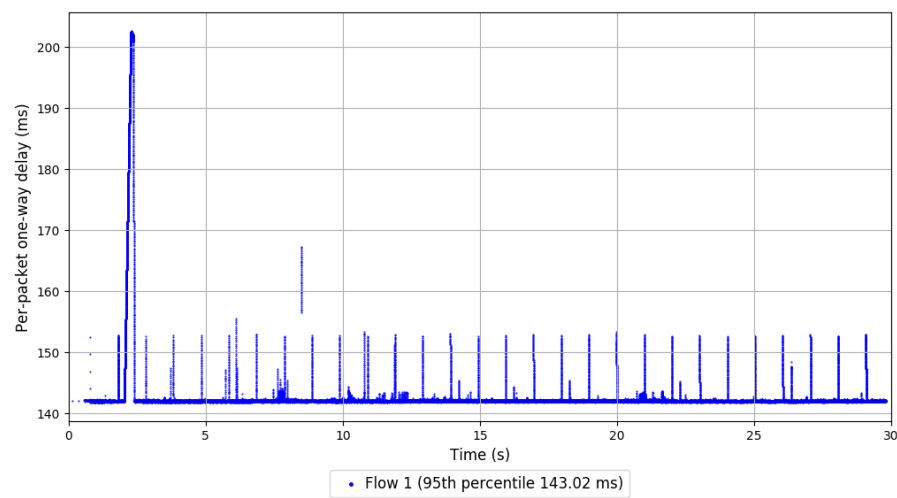
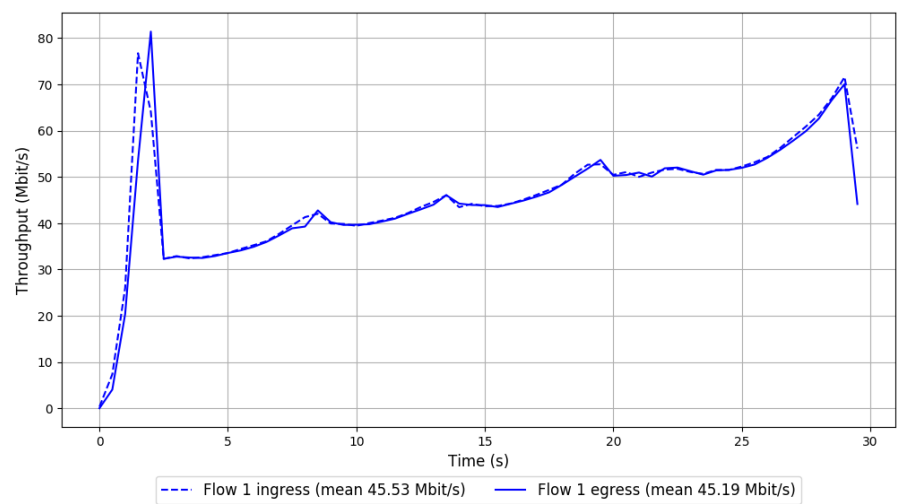
Average throughput: 45.19 Mbit/s

95th percentile per-packet one-way delay: 143.021 ms

Loss rate: 1.46%



Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Mon, 17 Jul 2017 01:07:40 +0000

End at: Mon, 17 Jul 2017 01:08:10 +0000

Local clock offset: -0.344 ms

Remote clock offset: 1.51 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:18 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 64.38 Mbit/s

95th percentile per-packet one-way delay: 150.884 ms

Loss rate: 1.34%

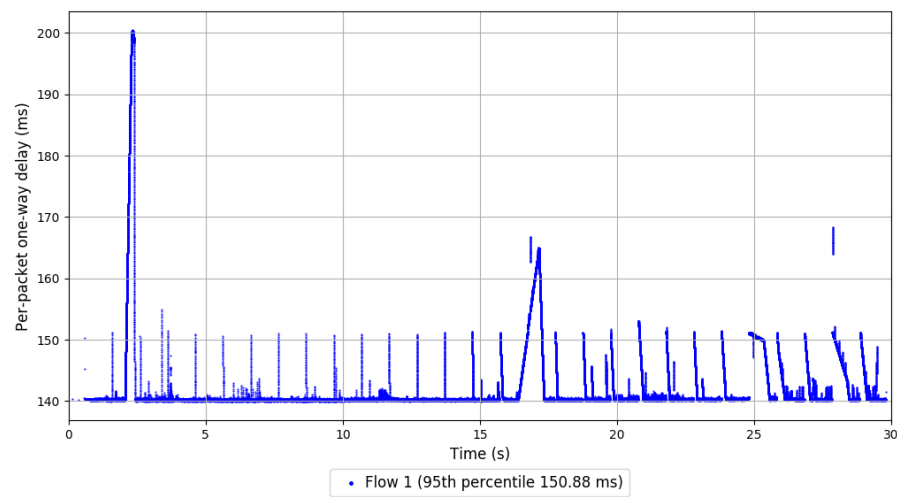
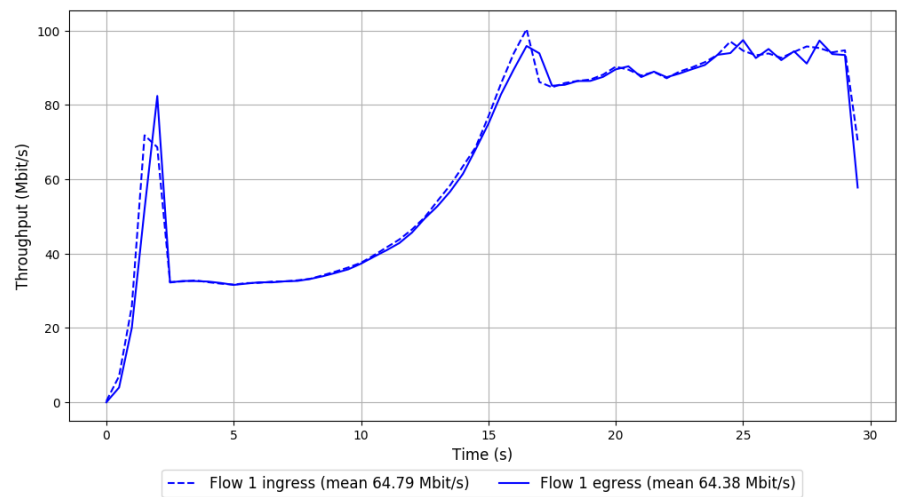
-- Flow 1:

Average throughput: 64.38 Mbit/s

95th percentile per-packet one-way delay: 150.884 ms

Loss rate: 1.34%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

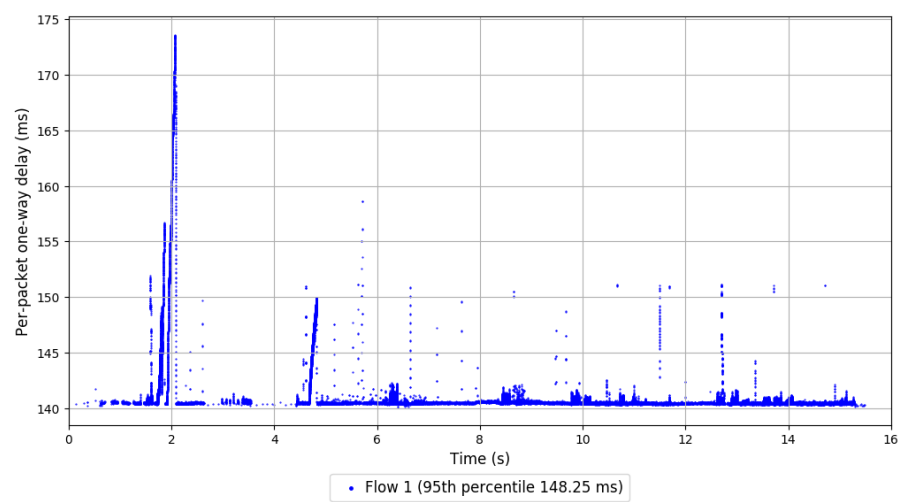
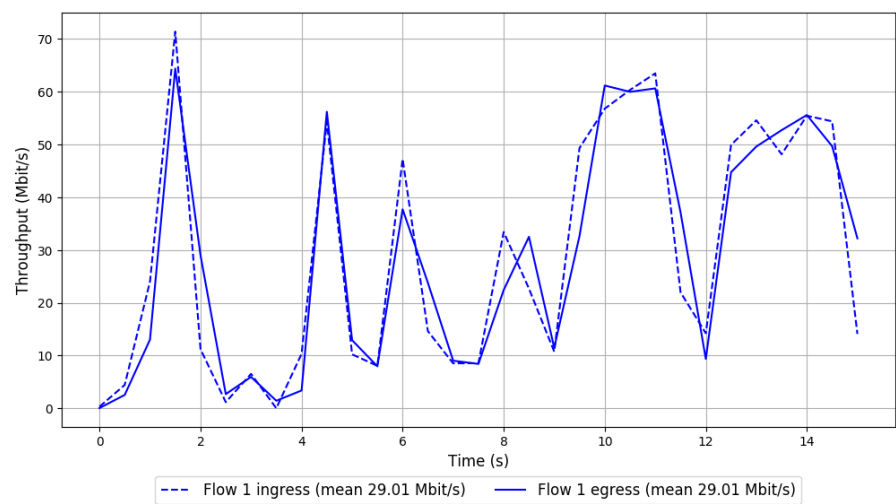
Start at: Sun, 16 Jul 2017 22:25:55 +0000

End at: Sun, 16 Jul 2017 22:26:25 +0000

Local clock offset: -0.558 ms

Remote clock offset: -0.246 ms

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

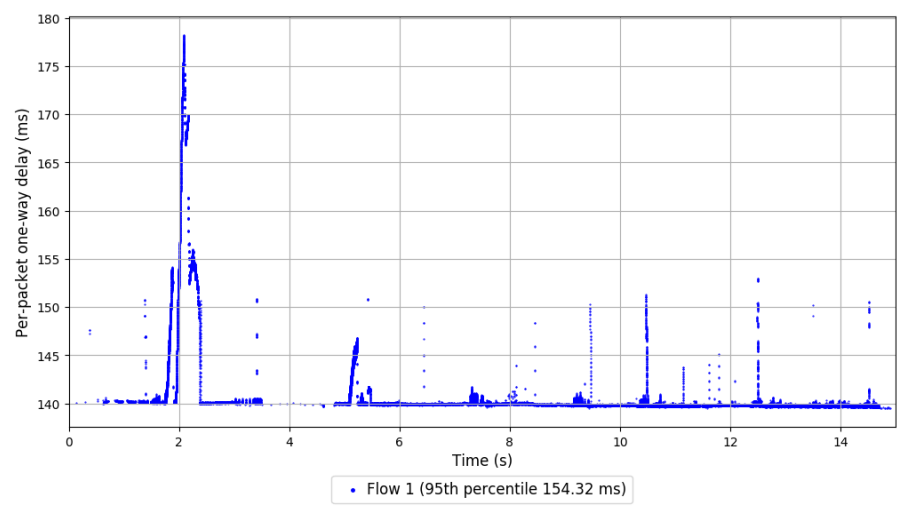
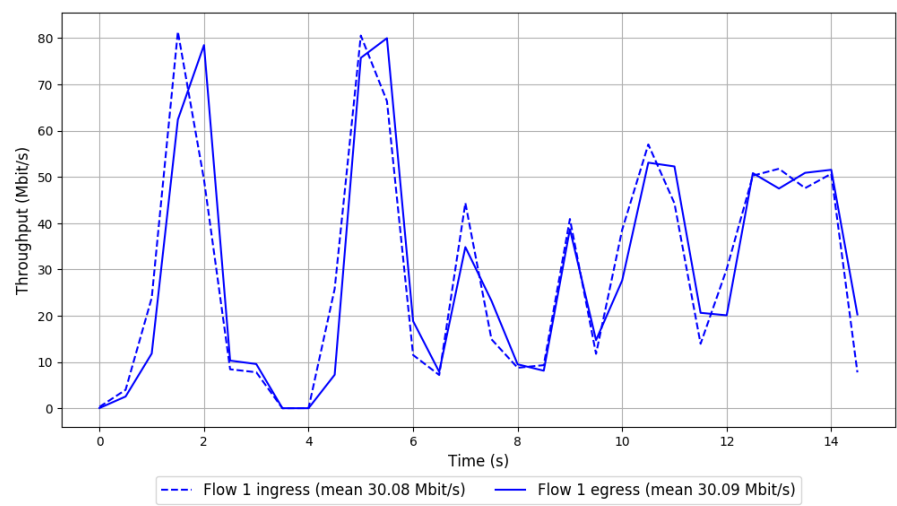
Start at: Sun, 16 Jul 2017 22:44:22 +0000

End at: Sun, 16 Jul 2017 22:44:52 +0000

Local clock offset: -0.429 ms

Remote clock offset: -2.285 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: Sun, 16 Jul 2017 23:02:45 +0000

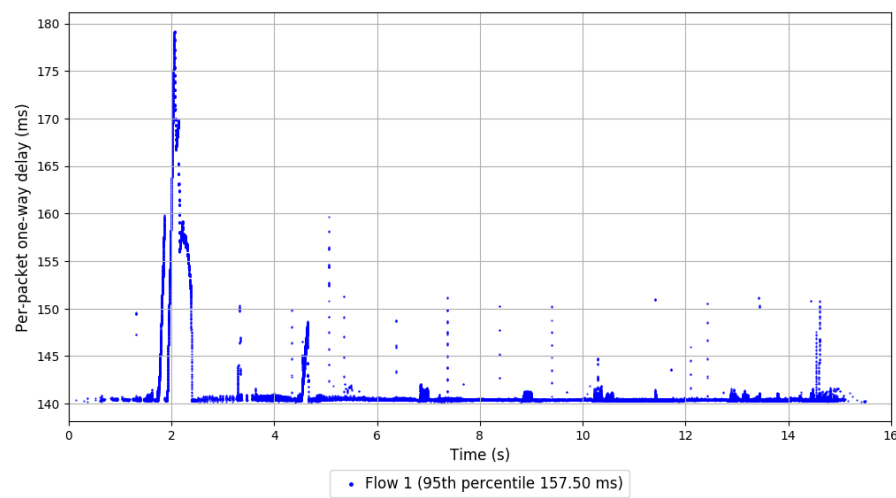
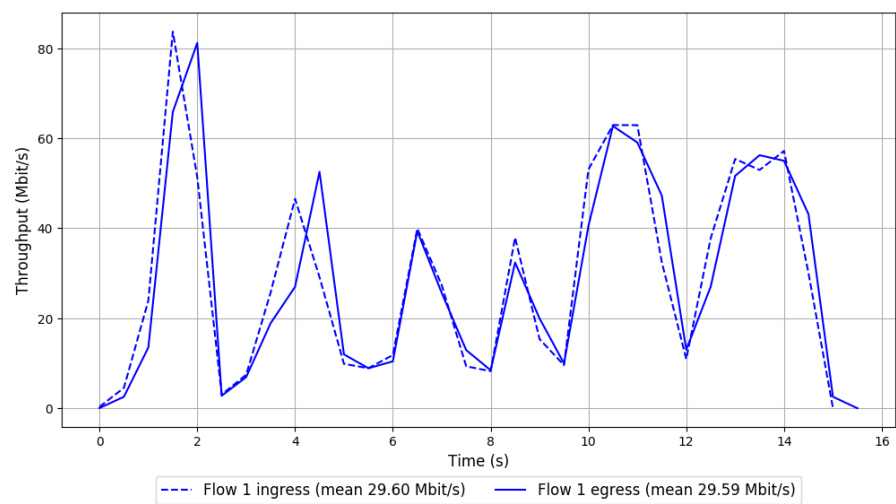
End at: Sun, 16 Jul 2017 23:03:15 +0000

Local clock offset: -0.324 ms

Remote clock offset: 0.947 ms



Run 3: Report of QUIC Cubic — Data Link



Run 4: Statistics of QUIC Cubic

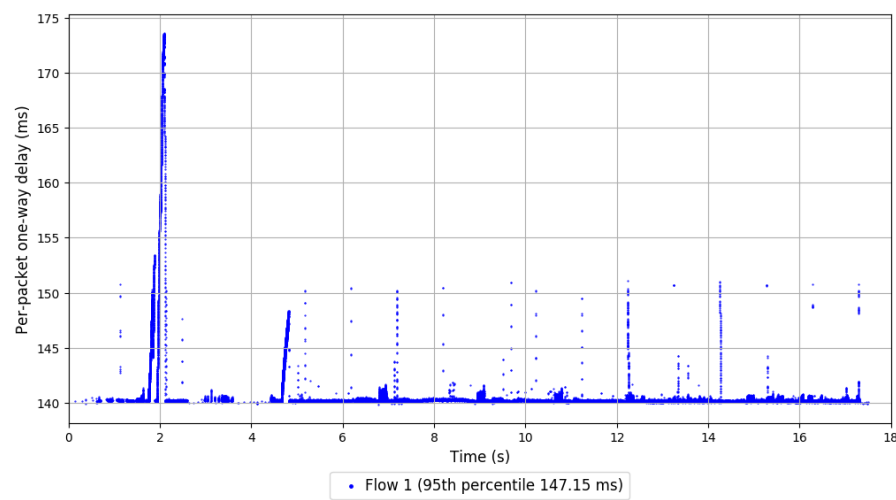
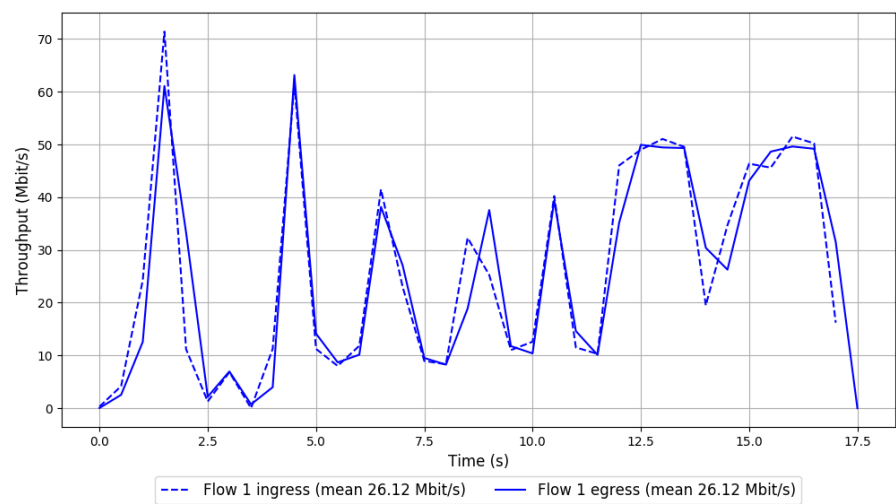
Start at: Sun, 16 Jul 2017 23:21:06 +0000

End at: Sun, 16 Jul 2017 23:21:36 +0000

Local clock offset: -0.31 ms

Remote clock offset: 1.96 ms

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

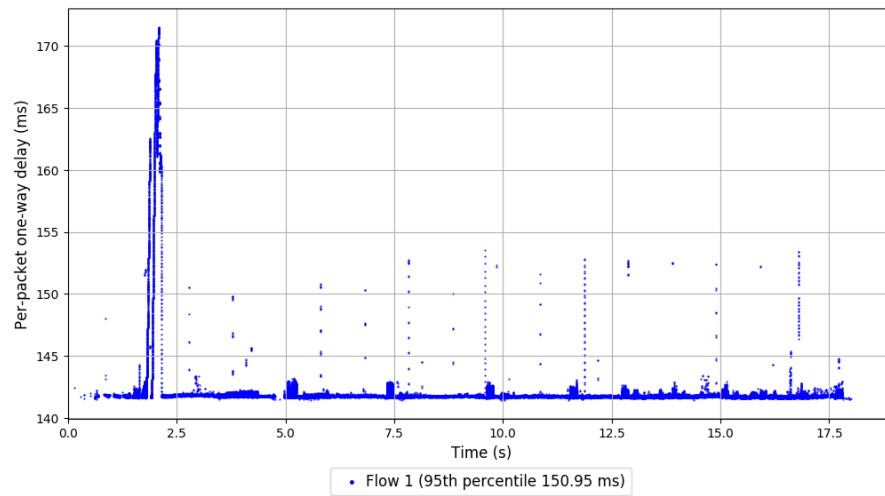
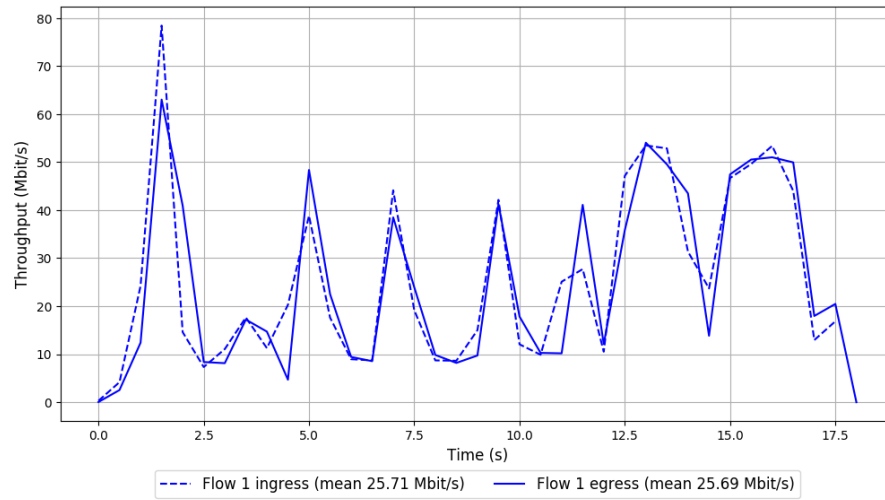
Start at: Sun, 16 Jul 2017 23:39:43 +0000

End at: Sun, 16 Jul 2017 23:40:13 +0000

Local clock offset: 1.333 ms

Remote clock offset: 1.381 ms

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



Run 6: Statistics of QUIC Cubic

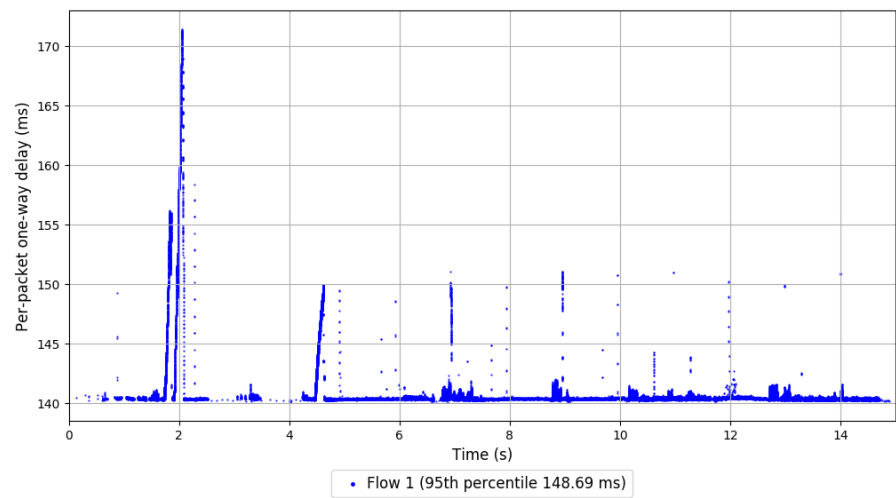
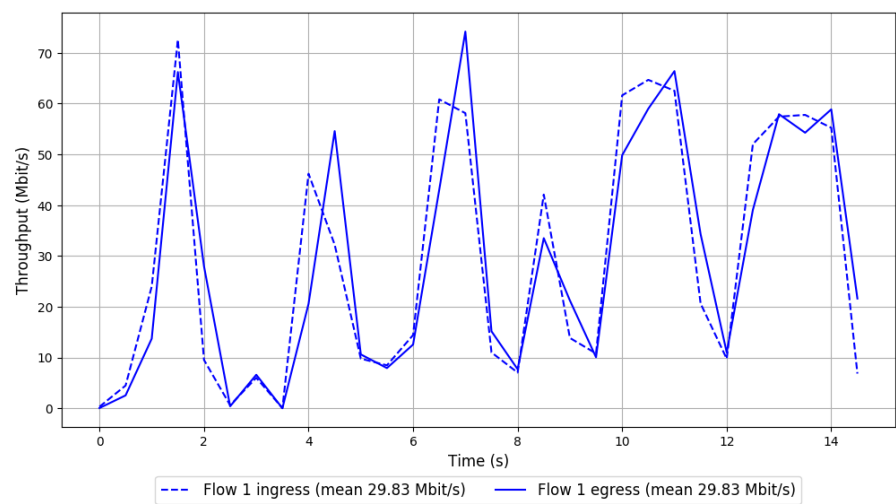
Start at: Sun, 16 Jul 2017 23:58:15 +0000

End at: Sun, 16 Jul 2017 23:58:45 +0000

Local clock offset: -0.034 ms

Remote clock offset: 0.937 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: Mon, 17 Jul 2017 00:16:35 +0000

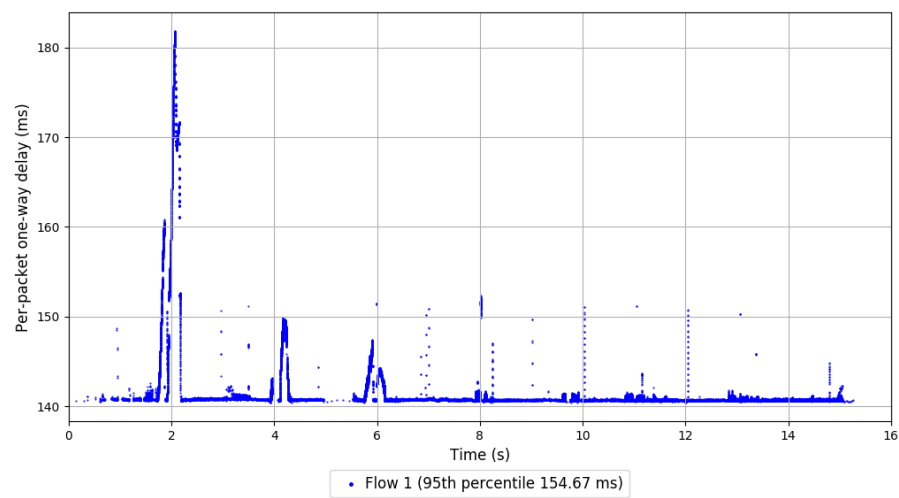
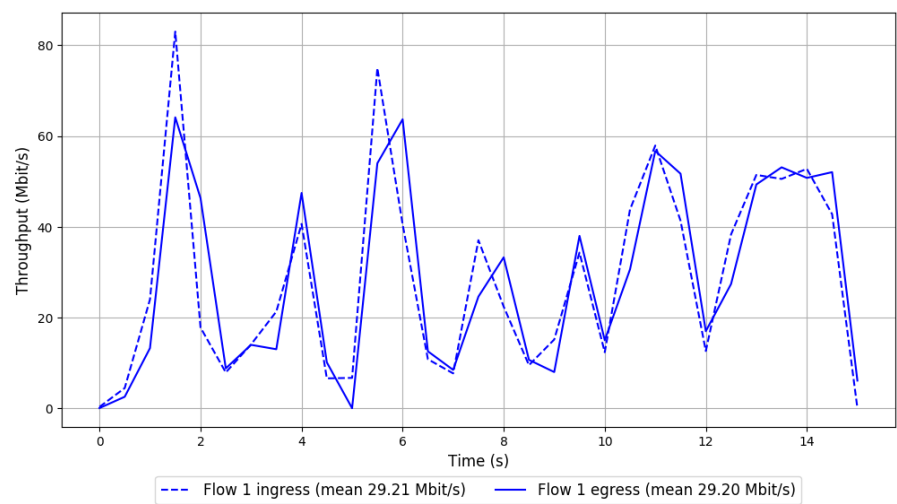
End at: Mon, 17 Jul 2017 00:17:05 +0000

Local clock offset: -0.081 ms

Remote clock offset: 1.604 ms



Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

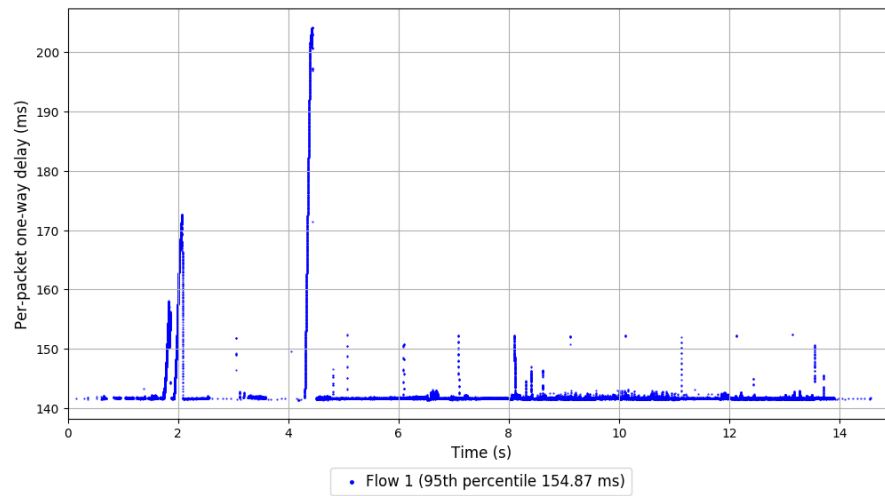
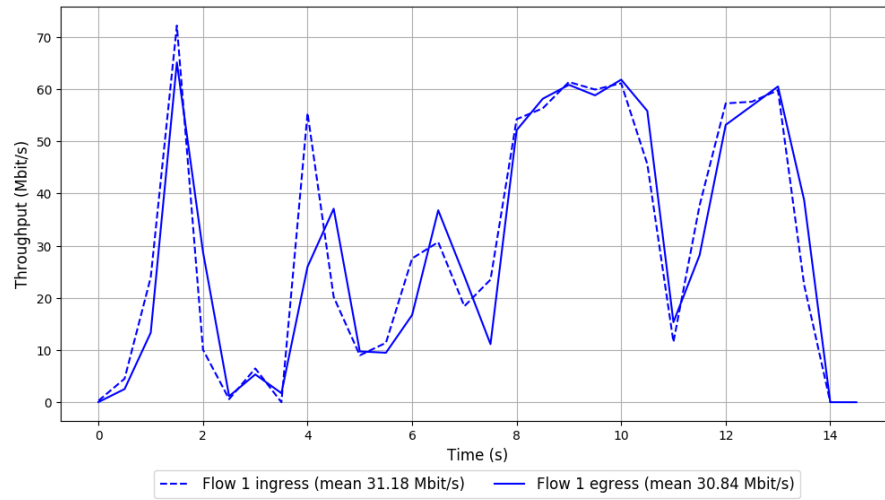
Start at: Mon, 17 Jul 2017 00:34:51 +0000

End at: Mon, 17 Jul 2017 00:35:21 +0000

Local clock offset: 1.103 ms

Remote clock offset: 1.675 ms

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



Run 9: Statistics of QUIC Cubic

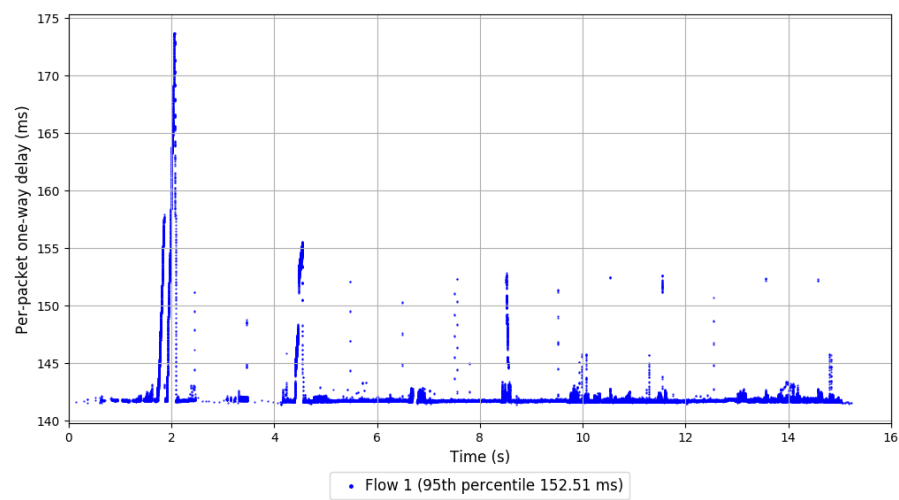
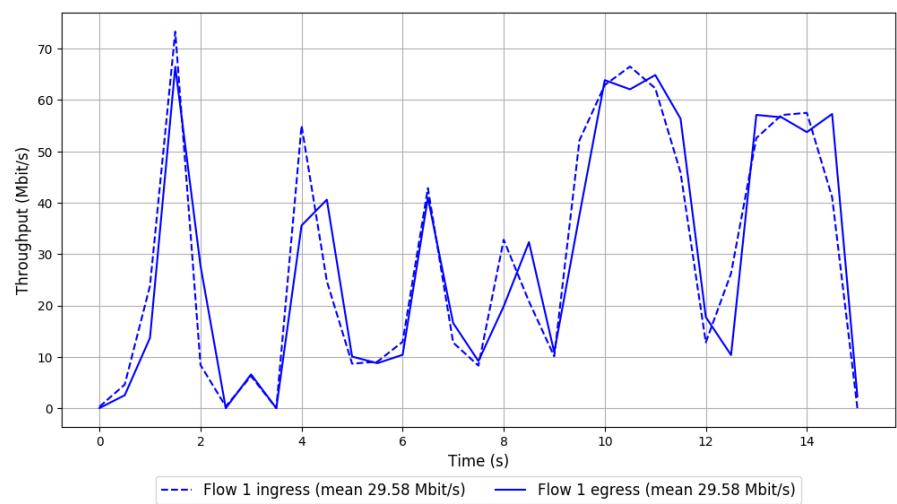
Start at: Mon, 17 Jul 2017 00:53:07 +0000

End at: Mon, 17 Jul 2017 00:53:37 +0000

Local clock offset: 1.164 ms

Remote clock offset: 1.413 ms

Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

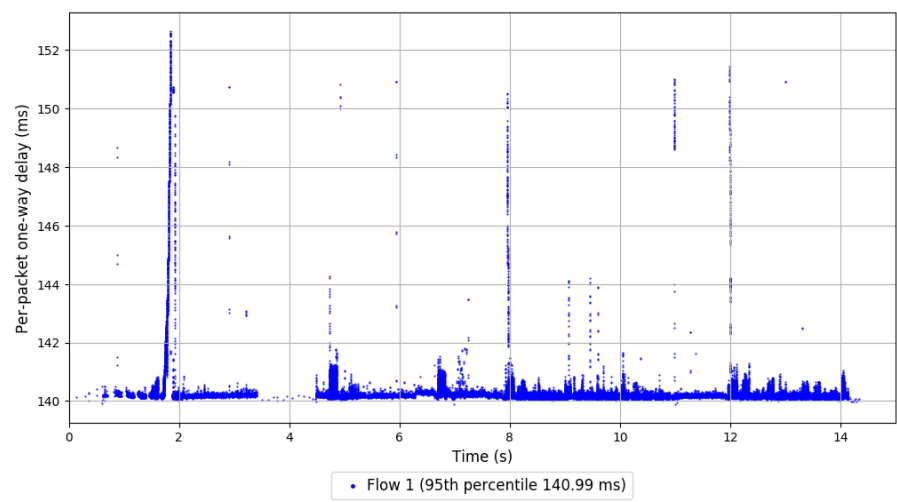
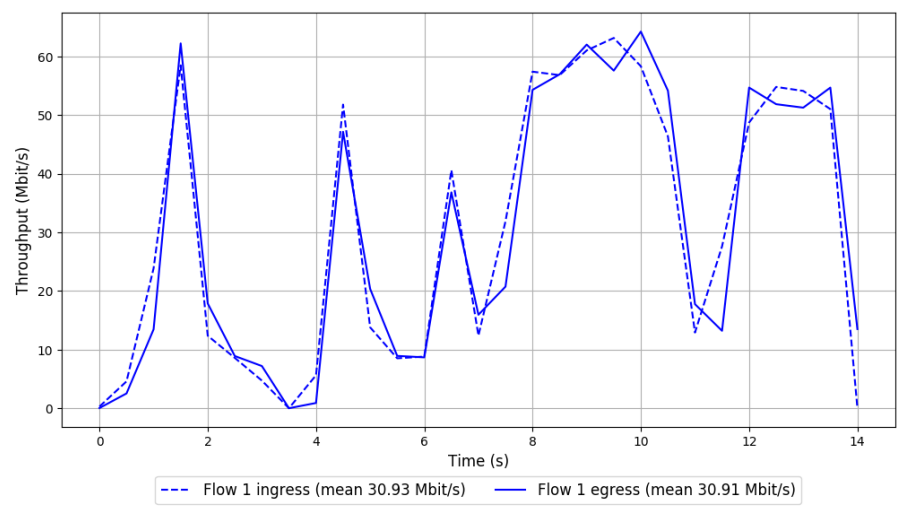
Start at: Mon, 17 Jul 2017 01:11:18 +0000

End at: Mon, 17 Jul 2017 01:11:48 +0000

Local clock offset: -0.385 ms

Remote clock offset: 1.584 ms

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Sun, 16 Jul 2017 22:27:06 +0000

End at: Sun, 16 Jul 2017 22:27:36 +0000

Local clock offset: 0.842 ms

Remote clock offset: -0.201 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:32 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.13 Mbit/s

95th percentile per-packet one-way delay: 143.539 ms

Loss rate: 0.81%

-- Flow 1:

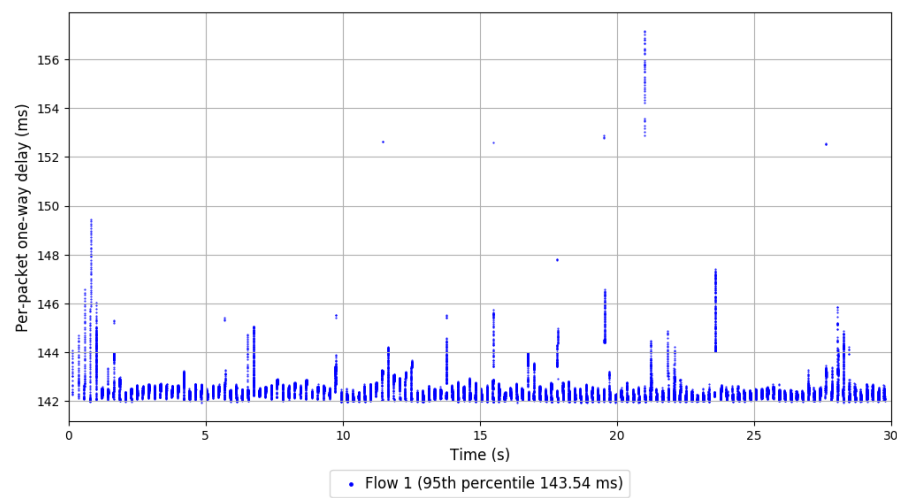
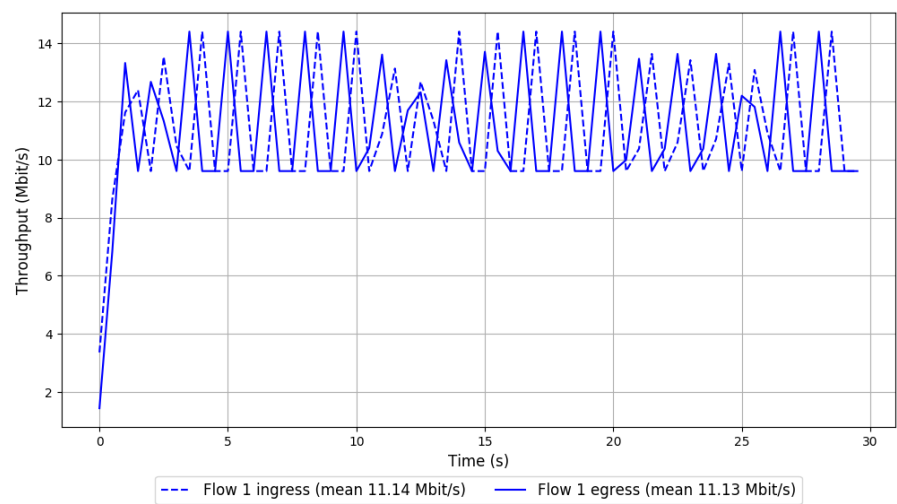
Average throughput: 11.13 Mbit/s

95th percentile per-packet one-way delay: 143.539 ms

Loss rate: 0.81%



Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Sun, 16 Jul 2017 22:45:34 +0000

End at: Sun, 16 Jul 2017 22:46:04 +0000

Local clock offset: 0.948 ms

Remote clock offset: -3.439 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:34 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.26 Mbit/s

95th percentile per-packet one-way delay: 142.879 ms

Loss rate: 0.84%

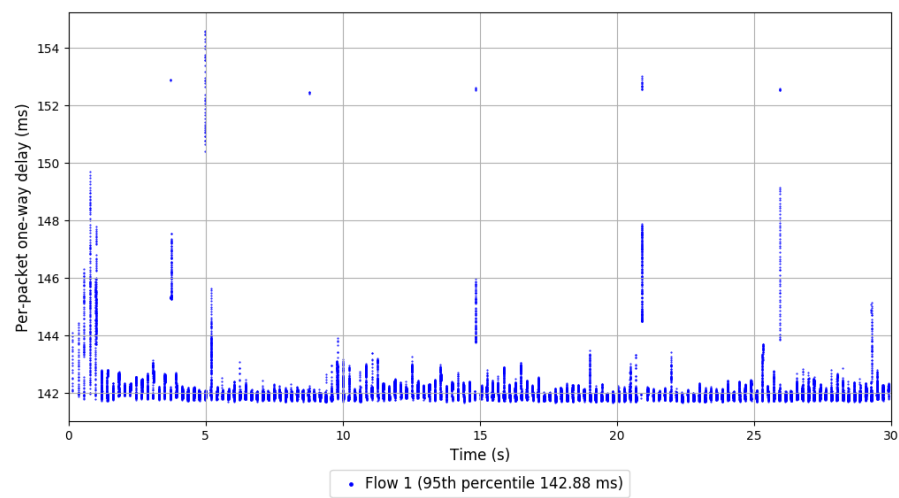
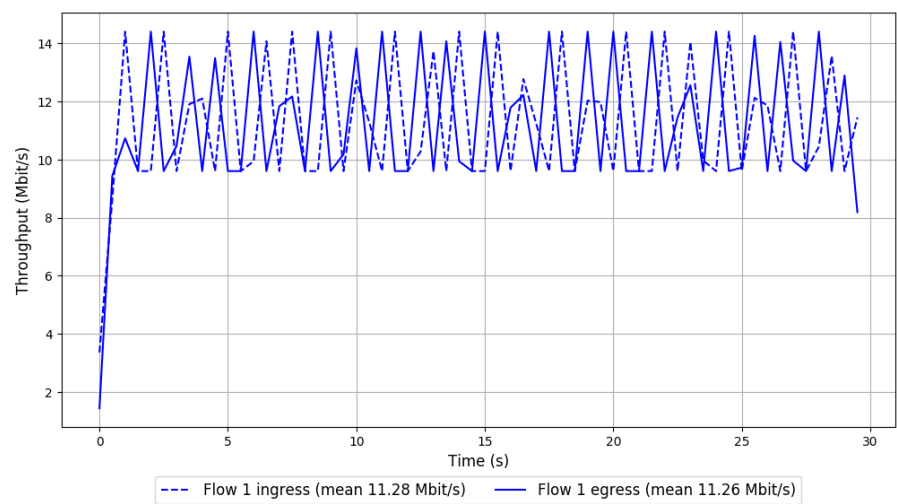
-- Flow 1:

Average throughput: 11.26 Mbit/s

95th percentile per-packet one-way delay: 142.879 ms

Loss rate: 0.84%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Sun, 16 Jul 2017 23:03:57 +0000

End at: Sun, 16 Jul 2017 23:04:27 +0000

Local clock offset: -0.354 ms

Remote clock offset: 0.994 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:34 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.13 Mbit/s

95th percentile per-packet one-way delay: 141.795 ms

Loss rate: 0.87%

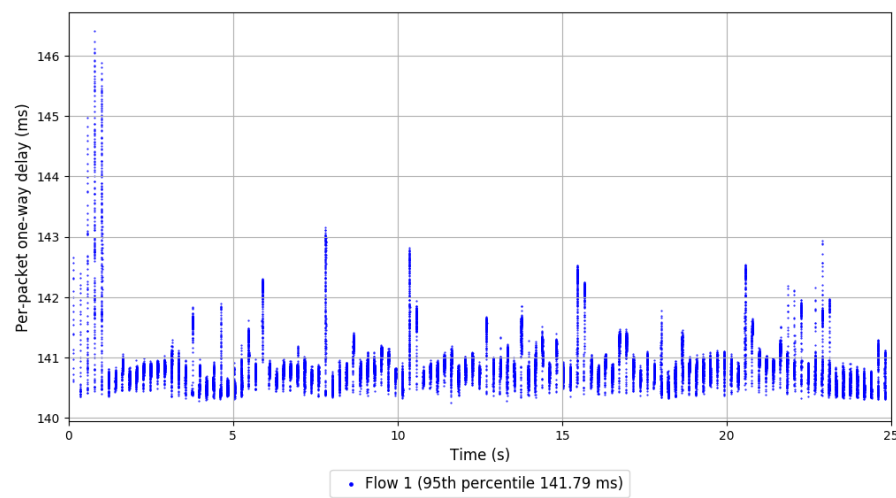
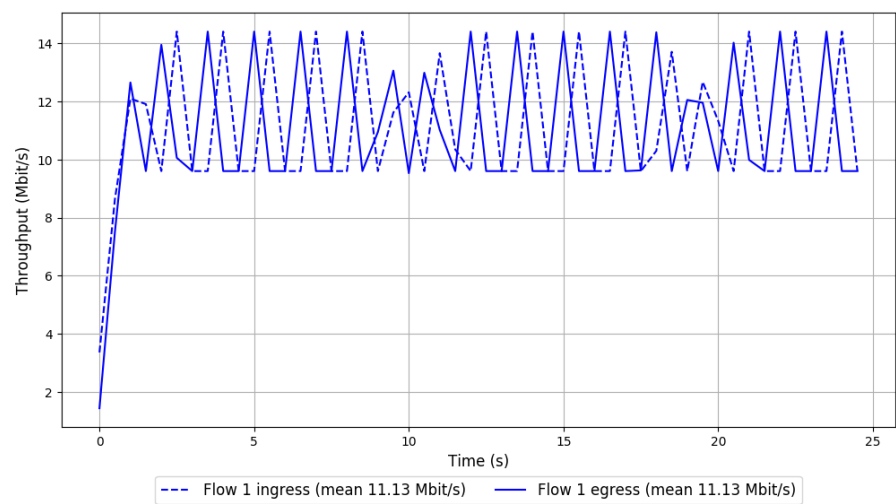
-- Flow 1:

Average throughput: 11.13 Mbit/s

95th percentile per-packet one-way delay: 141.795 ms

Loss rate: 0.87%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Sun, 16 Jul 2017 23:22:18 +0000

End at: Sun, 16 Jul 2017 23:22:48 +0000

Local clock offset: -0.061 ms

Remote clock offset: 1.77 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:36 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.11 Mbit/s

95th percentile per-packet one-way delay: 142.376 ms

Loss rate: 0.94%

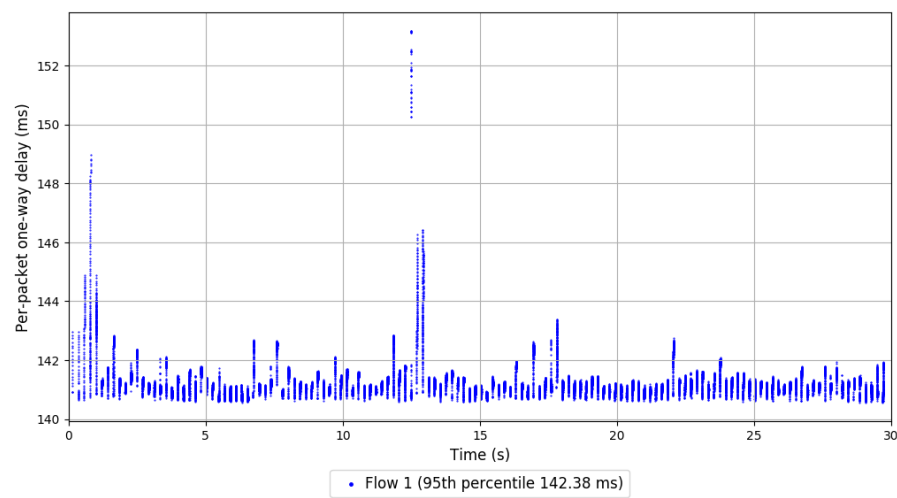
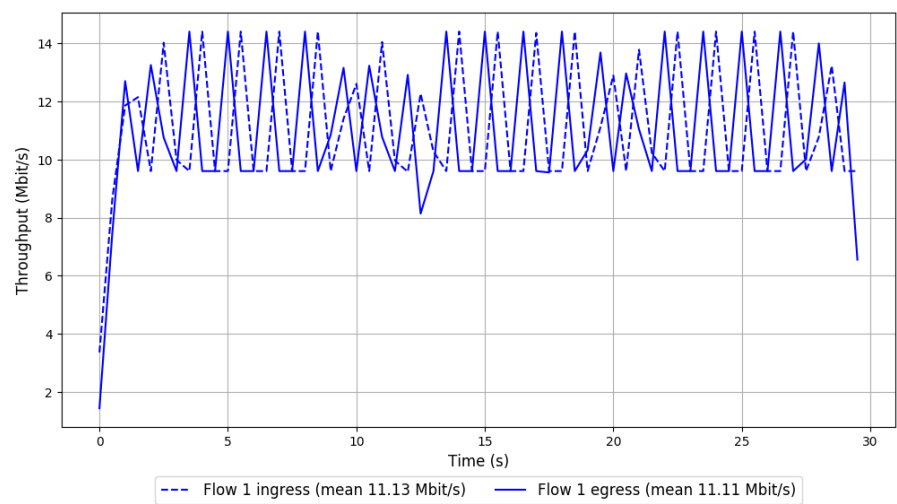
-- Flow 1:

Average throughput: 11.11 Mbit/s

95th percentile per-packet one-way delay: 142.376 ms

Loss rate: 0.94%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Sun, 16 Jul 2017 23:40:54 +0000

End at: Sun, 16 Jul 2017 23:41:24 +0000

Local clock offset: 1.352 ms

Remote clock offset: 1.223 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:36 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.31 Mbit/s

95th percentile per-packet one-way delay: 143.350 ms

Loss rate: 0.71%

-- Flow 1:

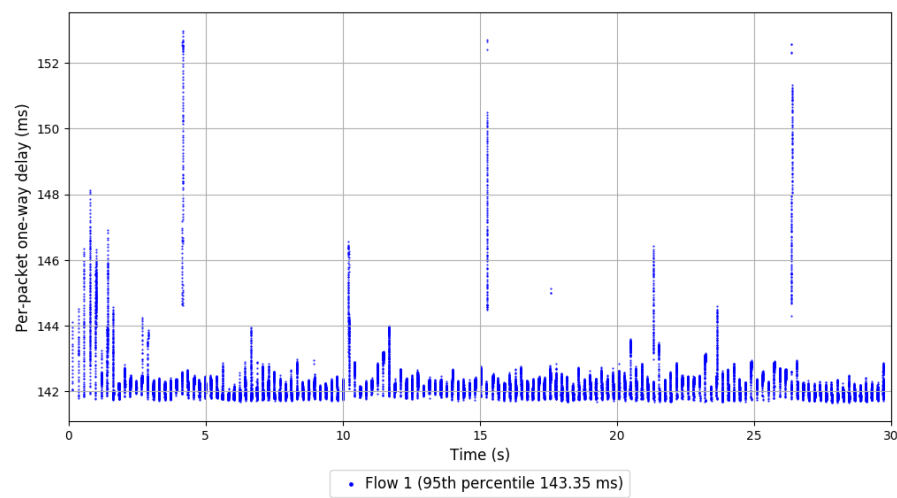
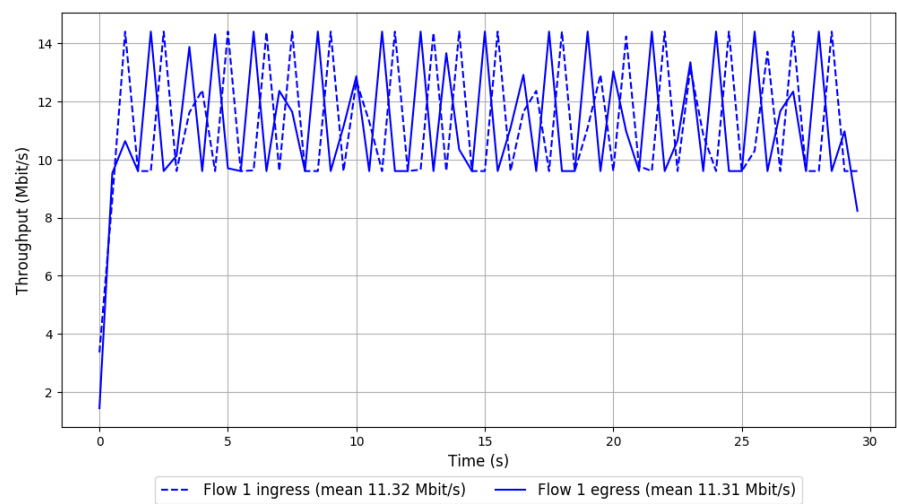
Average throughput: 11.31 Mbit/s

95th percentile per-packet one-way delay: 143.350 ms

Loss rate: 0.71%



Run 5: Report of Saturator — Data Link



Run 6: Statistics of Saturator

Start at: Sun, 16 Jul 2017 23:59:26 +0000

End at: Sun, 16 Jul 2017 23:59:56 +0000

Local clock offset: 1.298 ms

Remote clock offset: 0.973 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:39 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.14 Mbit/s

95th percentile per-packet one-way delay: 143.896 ms

Loss rate: 0.77%

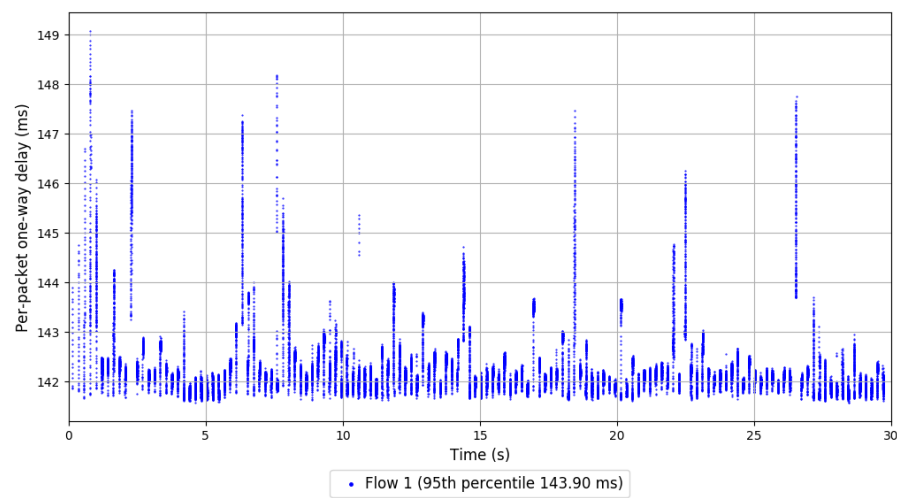
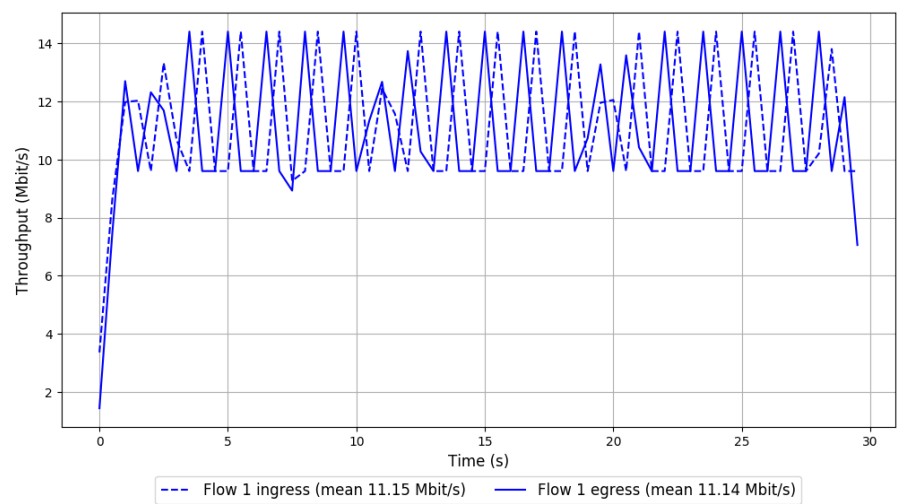
-- Flow 1:

Average throughput: 11.14 Mbit/s

95th percentile per-packet one-way delay: 143.896 ms

Loss rate: 0.77%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Mon, 17 Jul 2017 00:17:47 +0000

End at: Mon, 17 Jul 2017 00:18:17 +0000

Local clock offset: 1.264 ms

Remote clock offset: 1.613 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:39 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.13 Mbit/s

95th percentile per-packet one-way delay: 143.627 ms

Loss rate: 0.78%

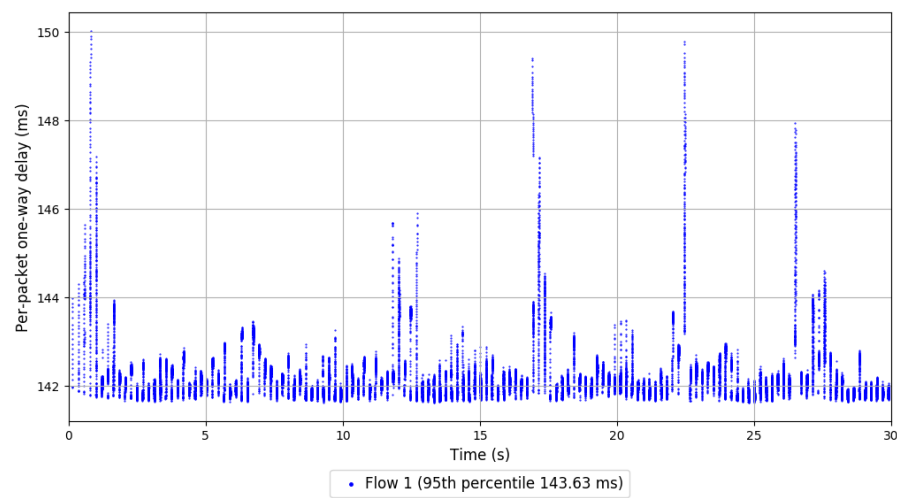
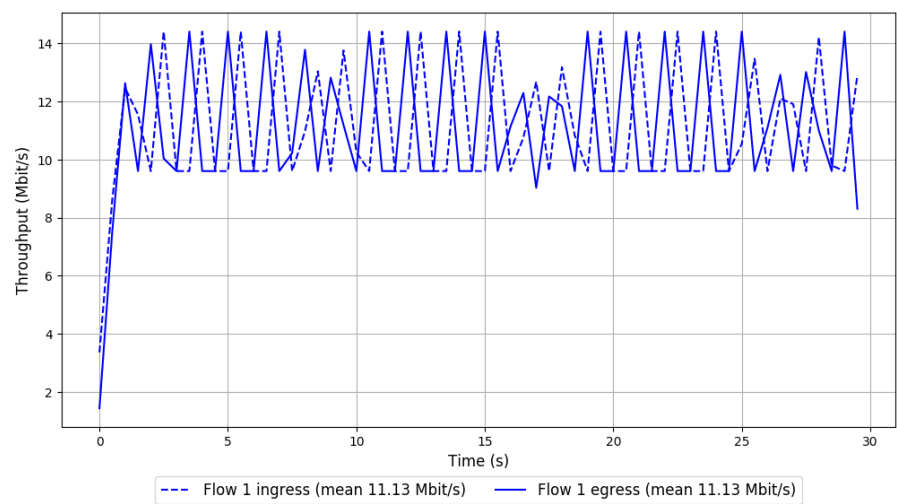
-- Flow 1:

Average throughput: 11.13 Mbit/s

95th percentile per-packet one-way delay: 143.627 ms

Loss rate: 0.78%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

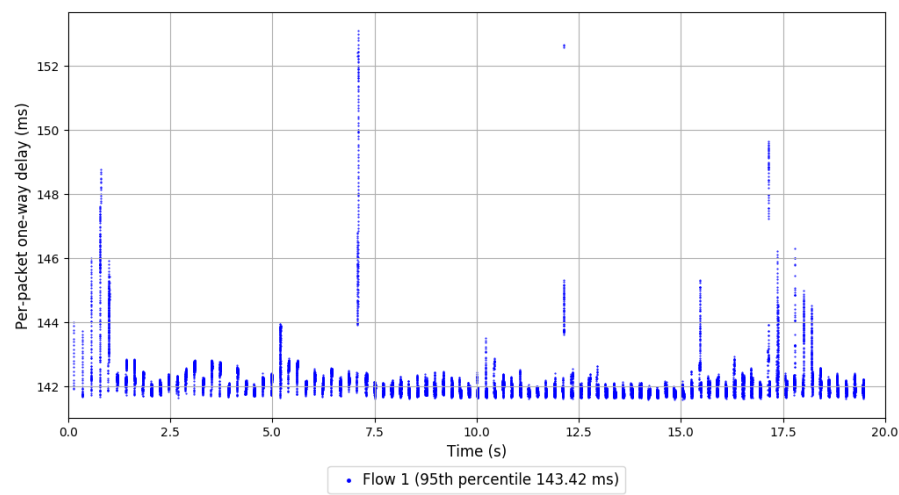
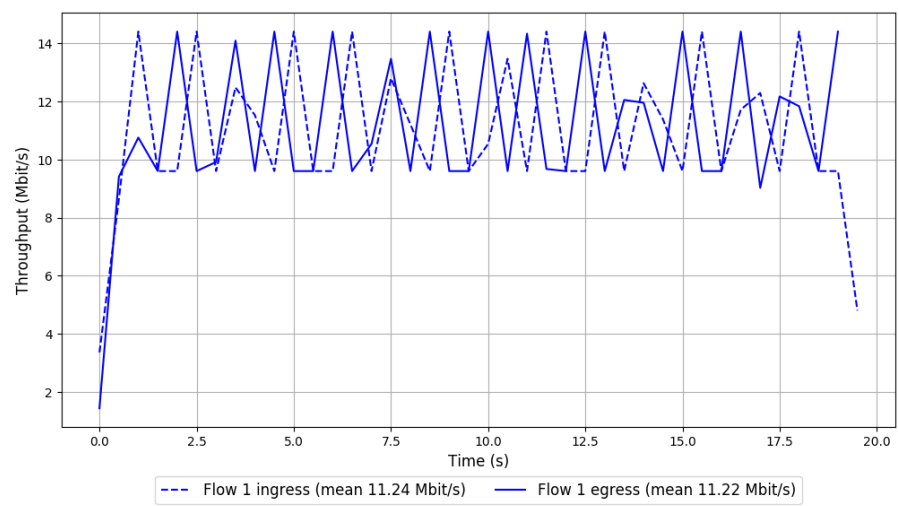
Start at: Mon, 17 Jul 2017 00:36:03 +0000

End at: Mon, 17 Jul 2017 00:36:33 +0000

Local clock offset: 1.244 ms

Remote clock offset: 1.645 ms

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Mon, 17 Jul 2017 00:54:18 +0000

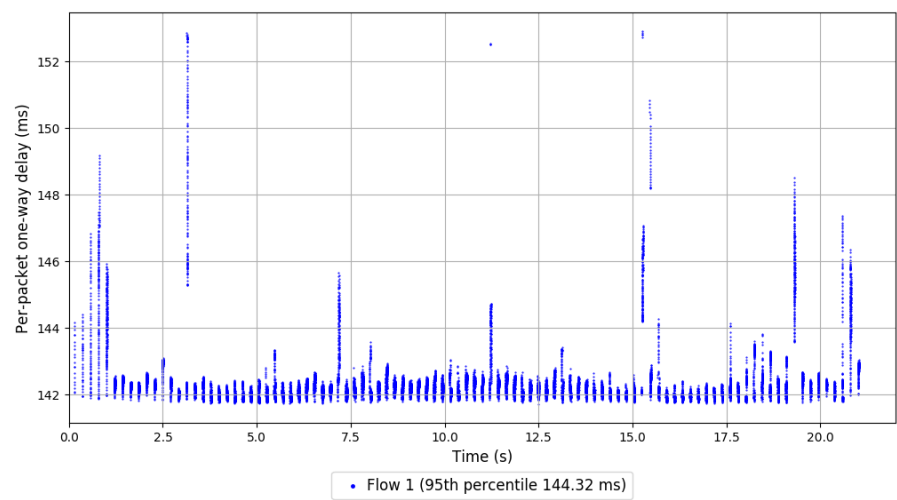
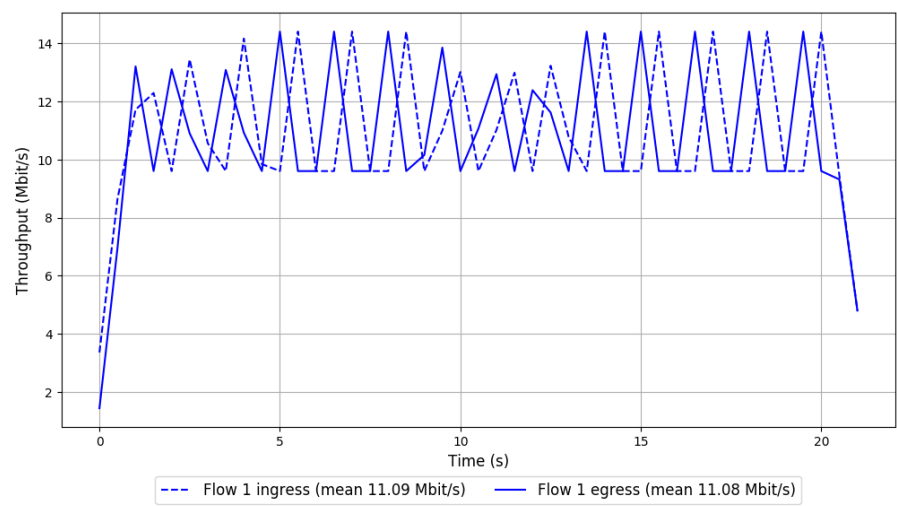
End at: Mon, 17 Jul 2017 00:54:48 +0000

Local clock offset: 1.271 ms

Remote clock offset: 1.376 ms



Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Mon, 17 Jul 2017 01:12:29 +0000

End at: Mon, 17 Jul 2017 01:12:59 +0000

Local clock offset: -0.107 ms

Remote clock offset: 1.601 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:44 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.31 Mbit/s

95th percentile per-packet one-way delay: 142.035 ms

Loss rate: 0.71%

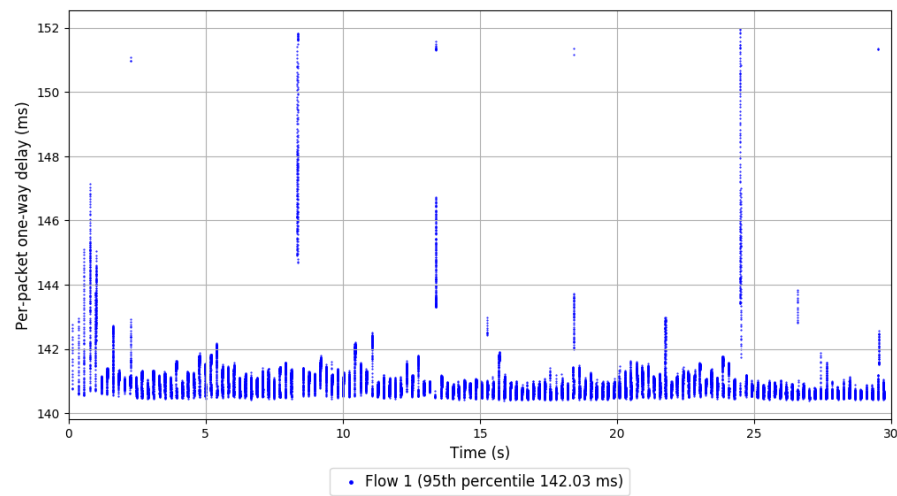
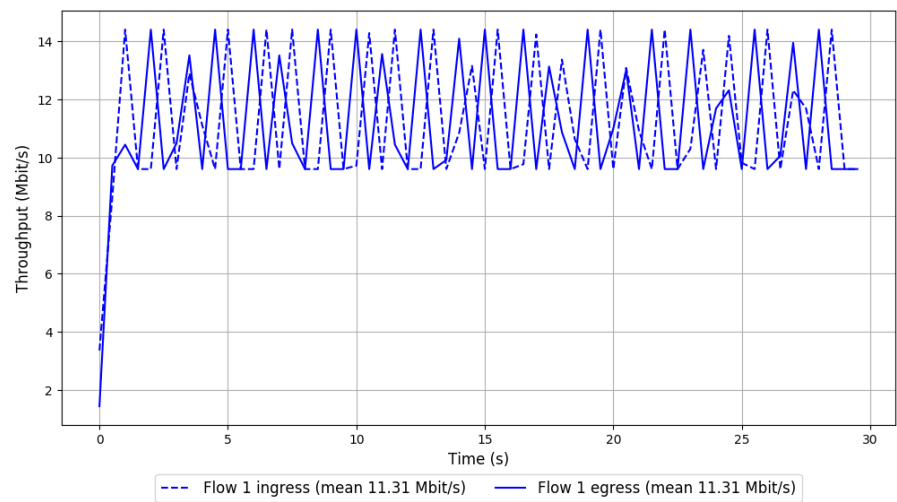
-- Flow 1:

Average throughput: 11.31 Mbit/s

95th percentile per-packet one-way delay: 142.035 ms

Loss rate: 0.71%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 22:18:36 +0000

End at: Sun, 16 Jul 2017 22:19:06 +0000

Local clock offset: -0.701 ms

Remote clock offset: -0.273 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:44 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.843 ms

Loss rate: 0.77%

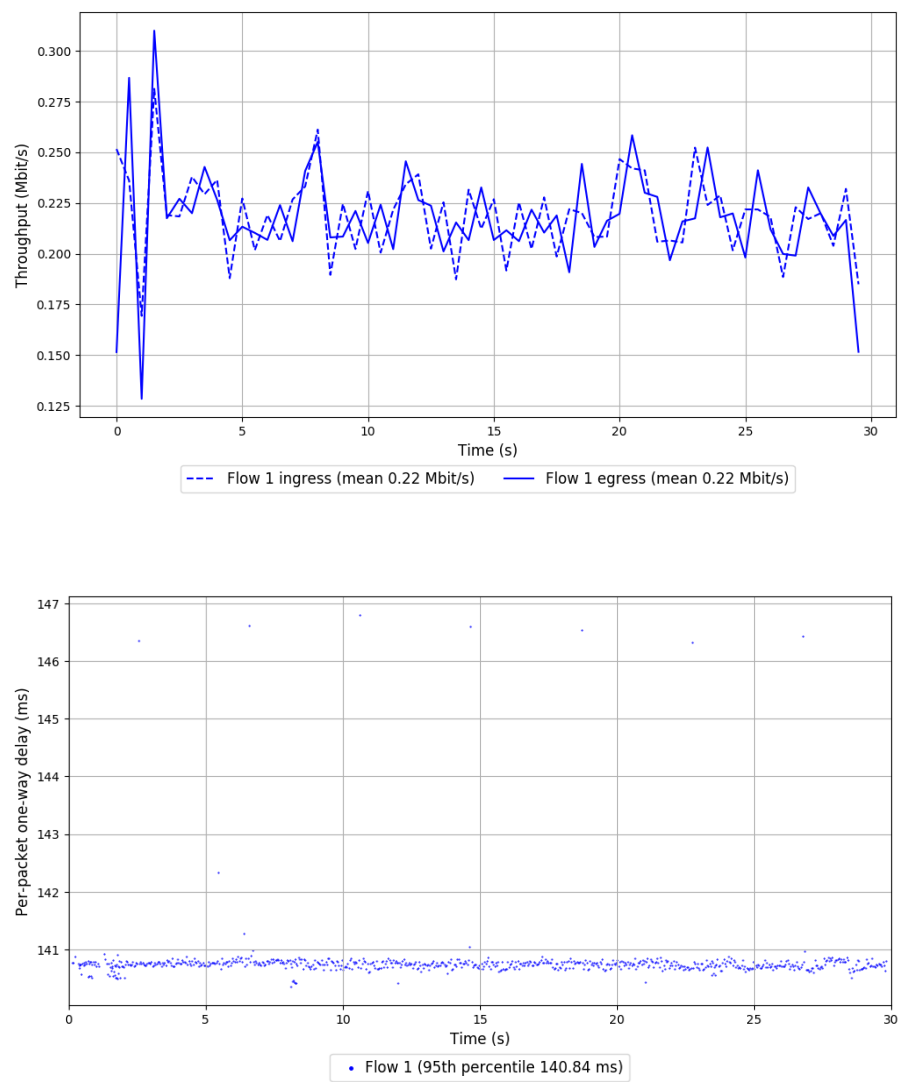
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.843 ms

Loss rate: 0.77%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 22:36:55 +0000

End at: Sun, 16 Jul 2017 22:37:25 +0000

Local clock offset: -0.611 ms

Remote clock offset: -0.366 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:44 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.629 ms

Loss rate: 0.64%

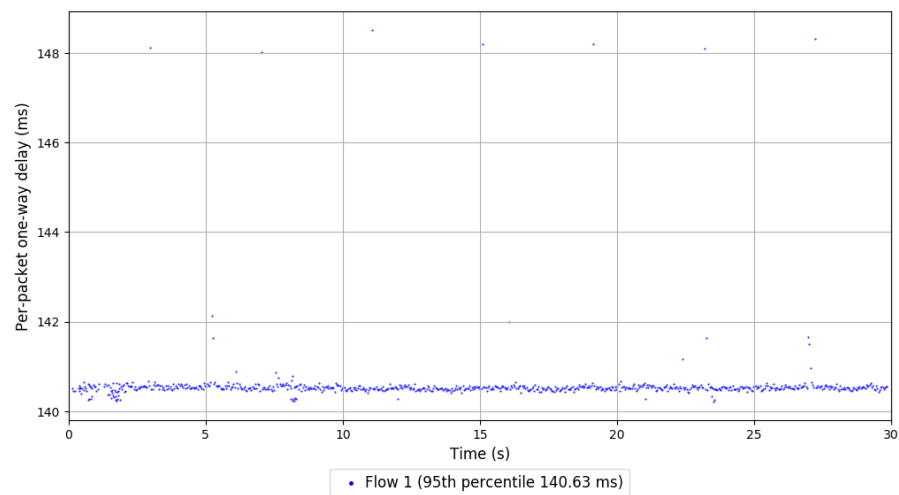
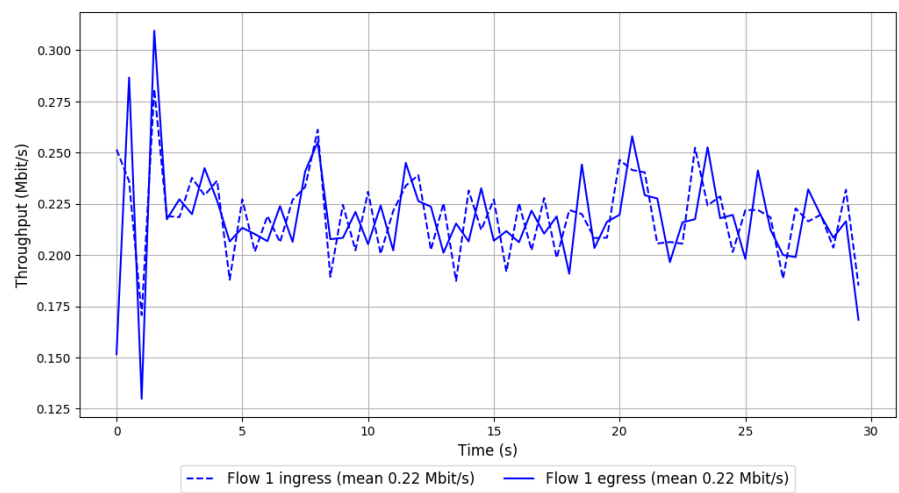
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.629 ms

Loss rate: 0.64%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 22:55:21 +0000

End at: Sun, 16 Jul 2017 22:55:51 +0000

Local clock offset: 0.859 ms

Remote clock offset: -1.047 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:44 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 142.185 ms

Loss rate: 0.77%

-- Flow 1:

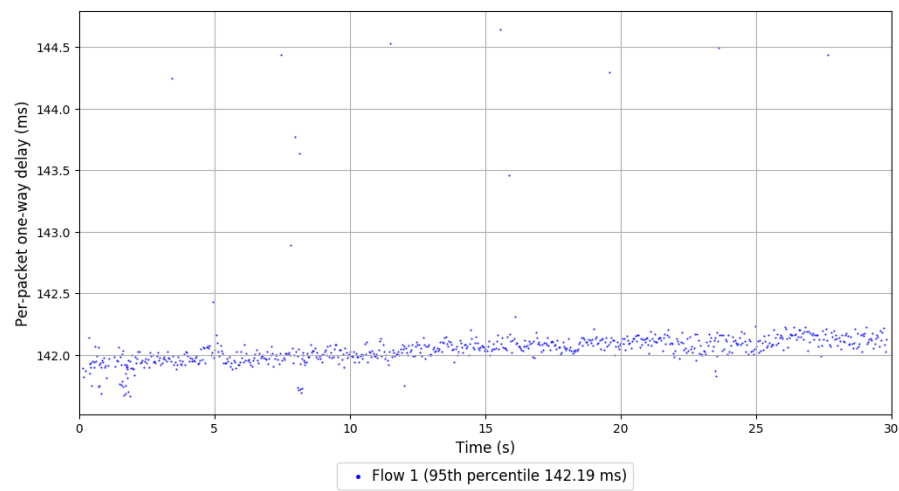
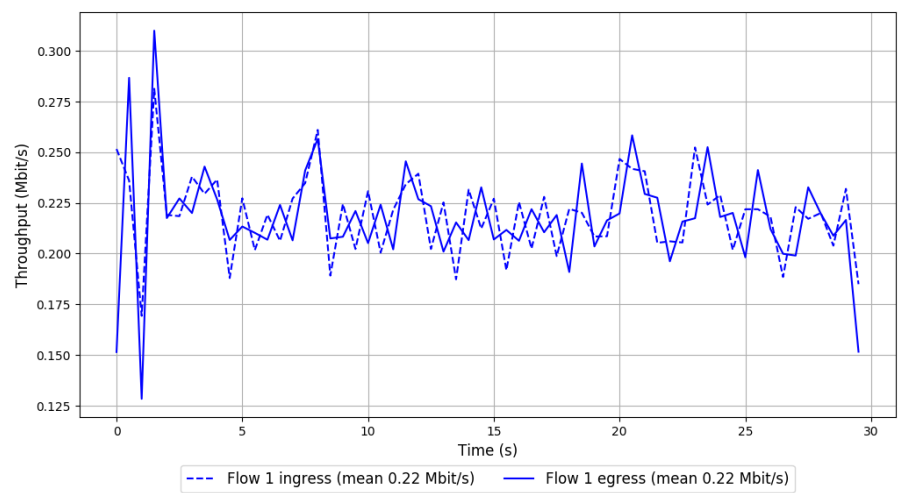
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 142.185 ms

Loss rate: 0.77%



Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 23:13:45 +0000

End at: Sun, 16 Jul 2017 23:14:16 +0000

Local clock offset: -0.195 ms

Remote clock offset: 1.625 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:45 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.749 ms

Loss rate: 0.64%

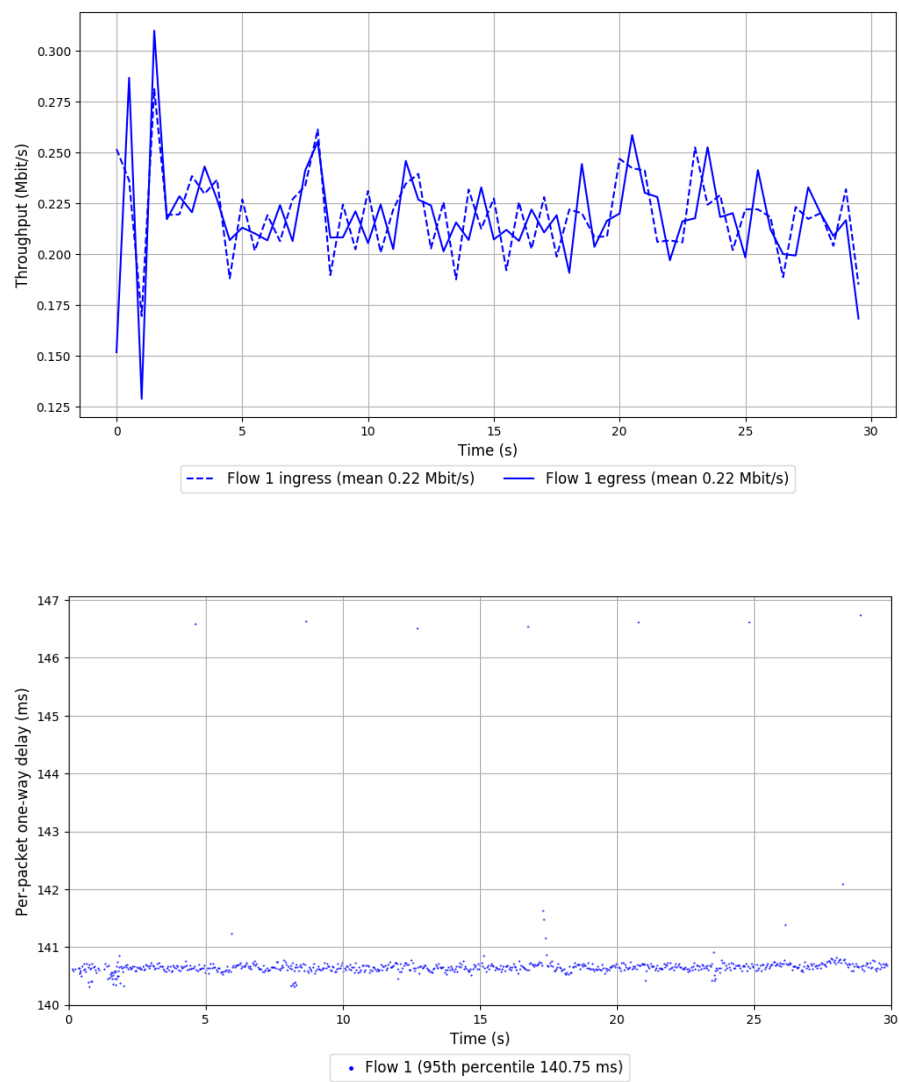
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.749 ms

Loss rate: 0.64%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 23:32:08 +0000

End at: Sun, 16 Jul 2017 23:32:38 +0000

Local clock offset: -0.107 ms

Remote clock offset: 1.261 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:45 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.632 ms

Loss rate: 0.90%

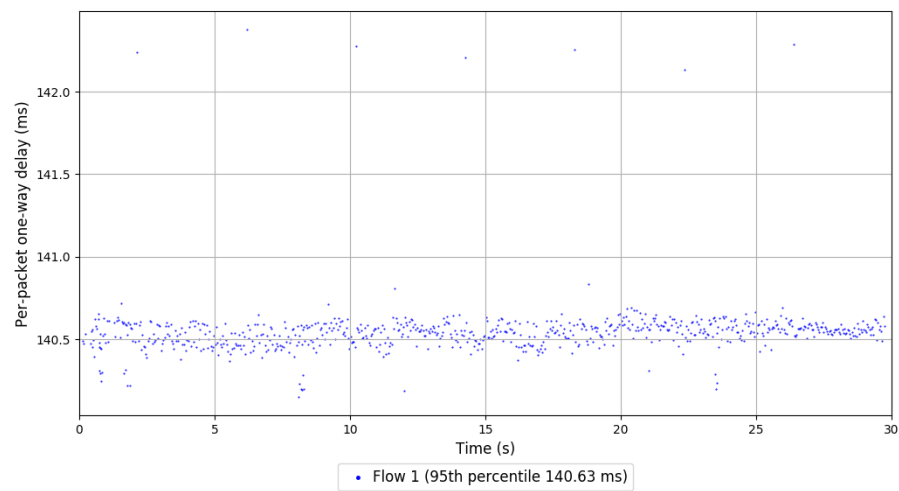
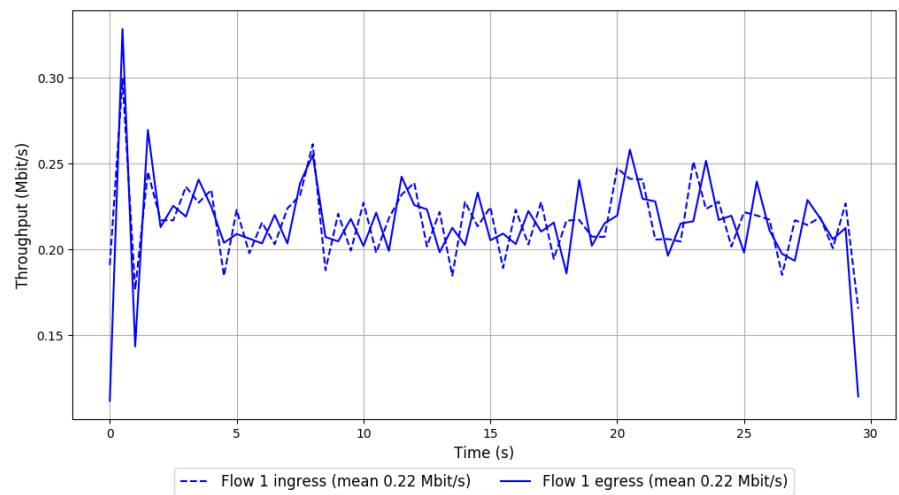
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.632 ms

Loss rate: 0.90%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Sun, 16 Jul 2017 23:50:45 +0000

End at: Sun, 16 Jul 2017 23:51:15 +0000

Local clock offset: -0.179 ms

Remote clock offset: 0.744 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:46 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.541 ms

Loss rate: 0.65%

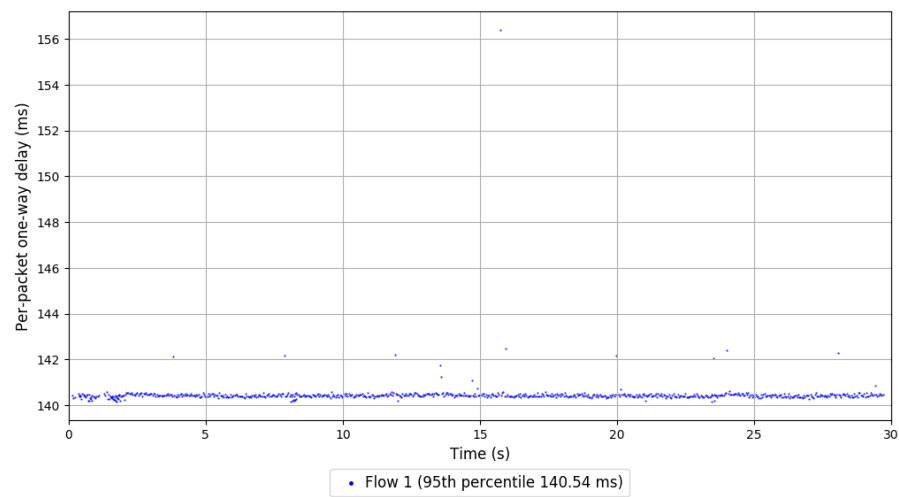
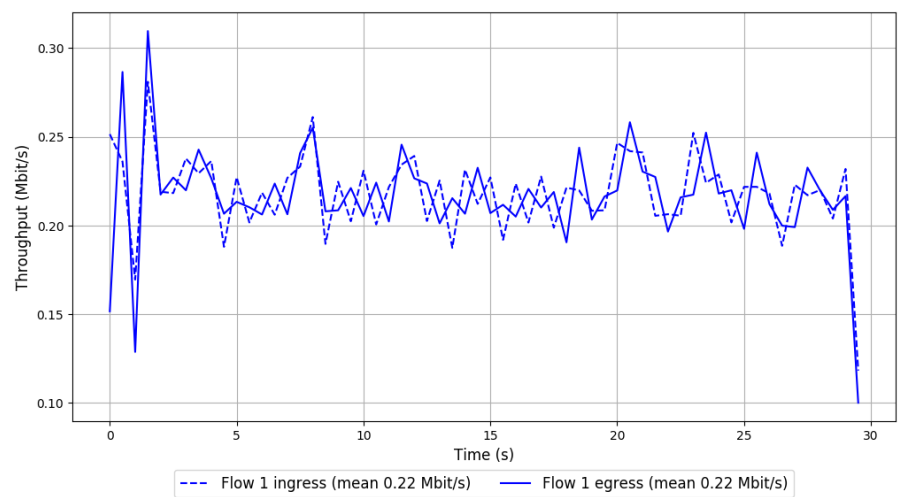
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.541 ms

Loss rate: 0.65%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Mon, 17 Jul 2017 00:09:19 +0000

End at: Mon, 17 Jul 2017 00:09:49 +0000

Local clock offset: -0.055 ms

Remote clock offset: 1.282 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:46 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.759 ms

Loss rate: 0.64%

-- Flow 1:

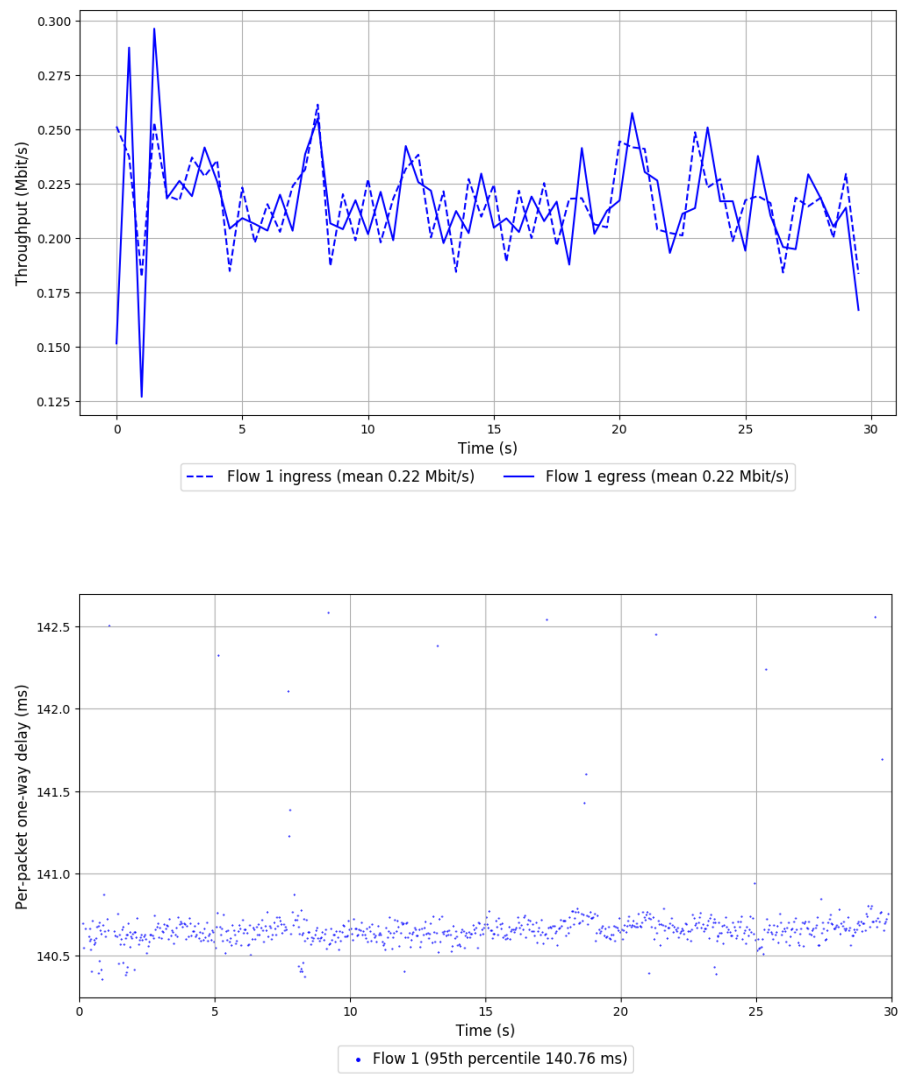
Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.759 ms

Loss rate: 0.64%



Run 7: Report of SCRaM — Data Link



Run 8: Statistics of SCReAM

Start at: Mon, 17 Jul 2017 00:27:31 +0000

End at: Mon, 17 Jul 2017 00:28:01 +0000

Local clock offset: 1.259 ms

Remote clock offset: 1.769 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:47 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 142.309 ms

Loss rate: 0.64%

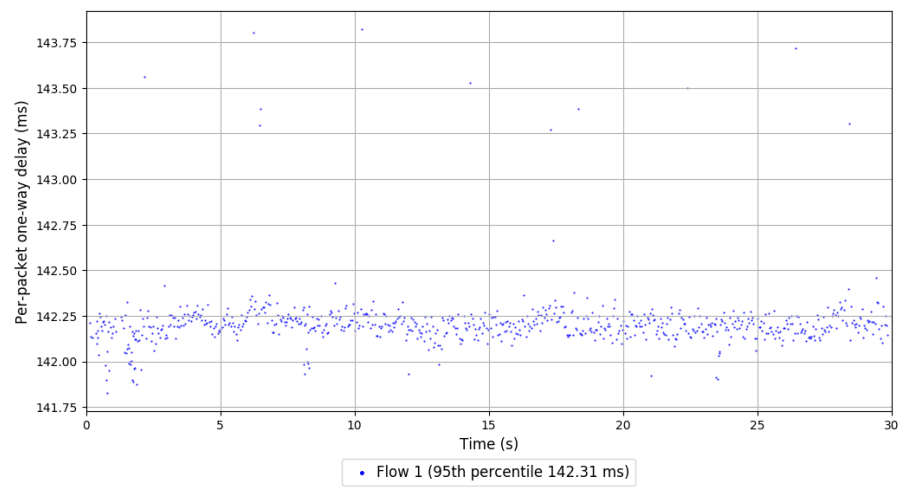
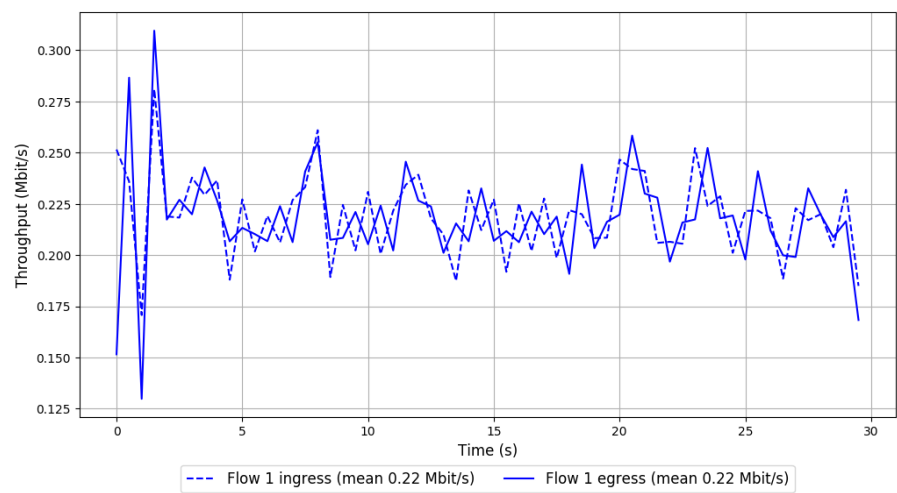
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 142.309 ms

Loss rate: 0.64%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Mon, 17 Jul 2017 00:45:45 +0000

End at: Mon, 17 Jul 2017 00:46:15 +0000

Local clock offset: 1.298 ms

Remote clock offset: 1.495 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:47 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 142.104 ms

Loss rate: 0.64%

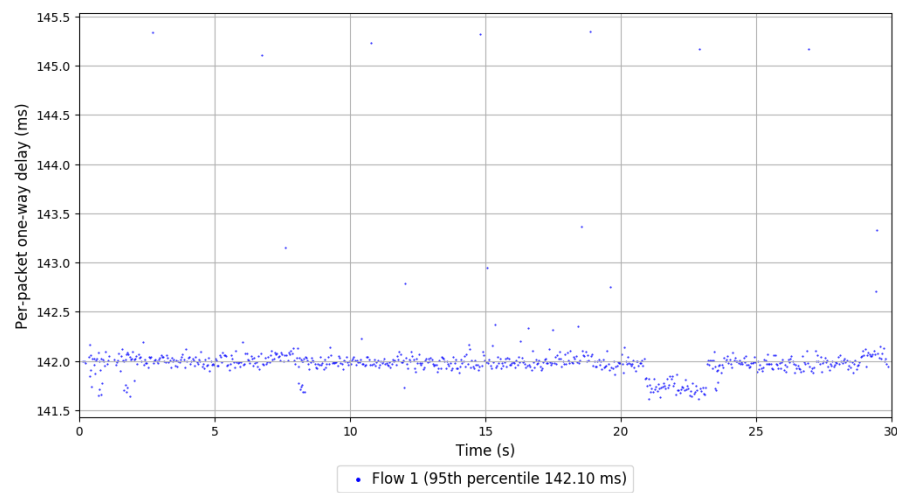
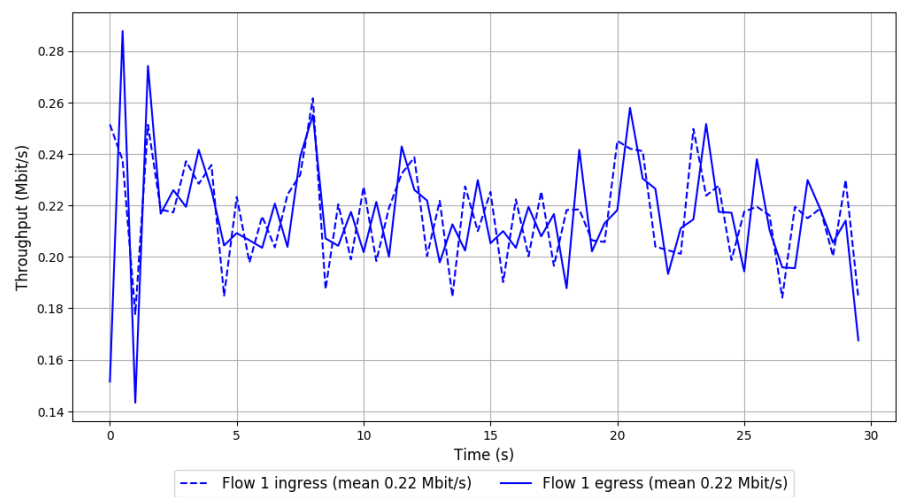
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 142.104 ms

Loss rate: 0.64%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SReAM

Start at: Mon, 17 Jul 2017 01:04:03 +0000

End at: Mon, 17 Jul 2017 01:04:33 +0000

Local clock offset: -0.317 ms

Remote clock offset: 1.432 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:48 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.525 ms

Loss rate: 0.64%

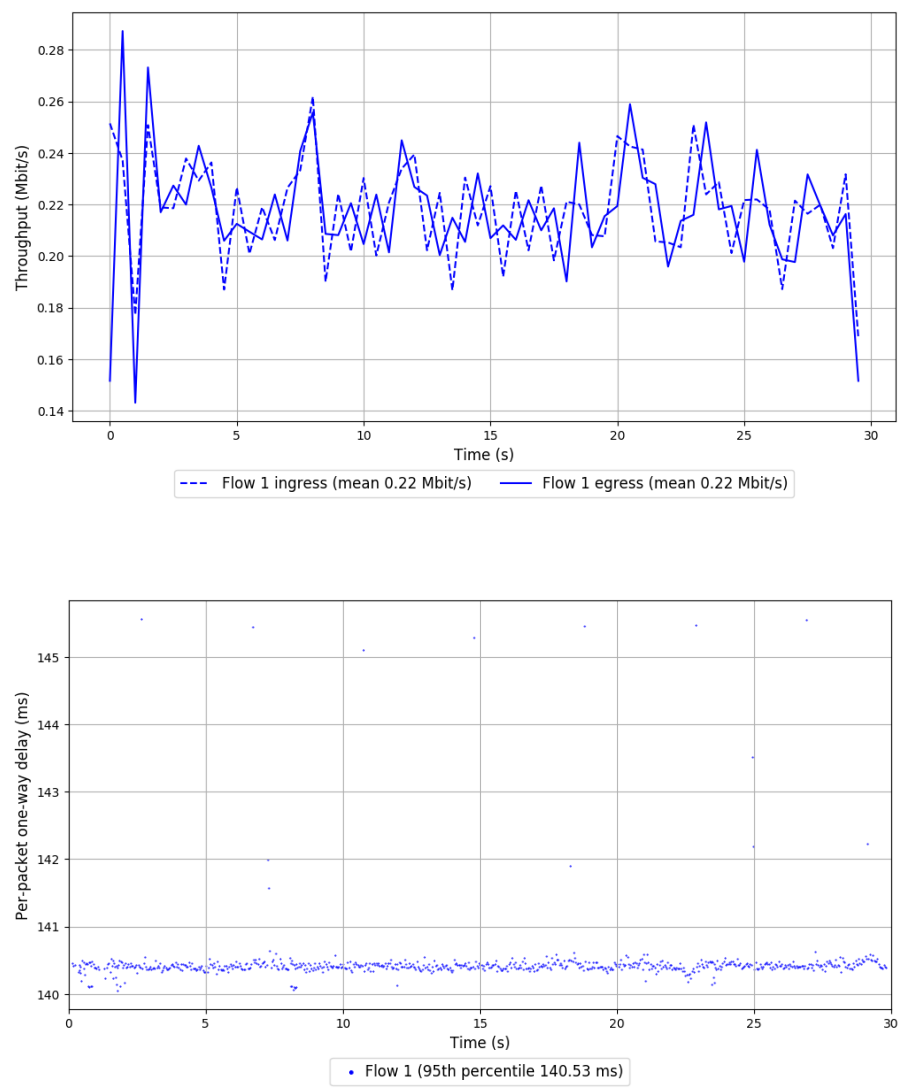
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 140.525 ms

Loss rate: 0.64%

Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Sun, 16 Jul 2017 22:10:07 +0000

End at: Sun, 16 Jul 2017 22:10:37 +0000

Local clock offset: 0.758 ms

Remote clock offset: -0.157 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:48 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.70 Mbit/s

95th percentile per-packet one-way delay: 143.134 ms

Loss rate: 0.66%

-- Flow 1:

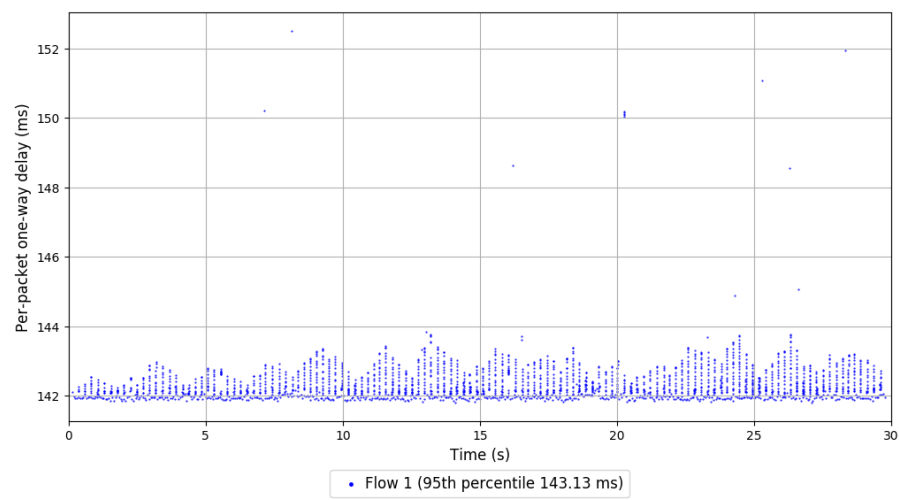
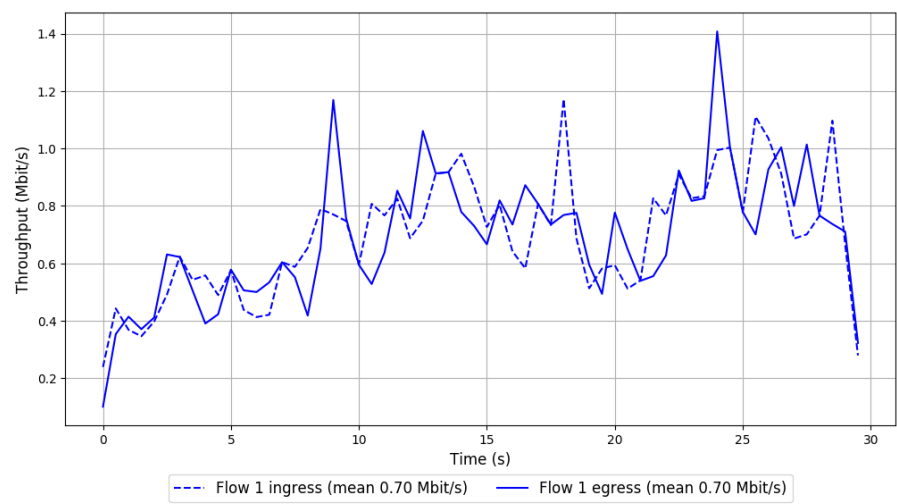
Average throughput: 0.70 Mbit/s

95th percentile per-packet one-way delay: 143.134 ms

Loss rate: 0.66%



Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Sun, 16 Jul 2017 22:28:17 +0000

End at: Sun, 16 Jul 2017 22:28:47 +0000

Local clock offset: -0.669 ms

Remote clock offset: -0.128 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:49 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 141.027 ms

Loss rate: 0.74%

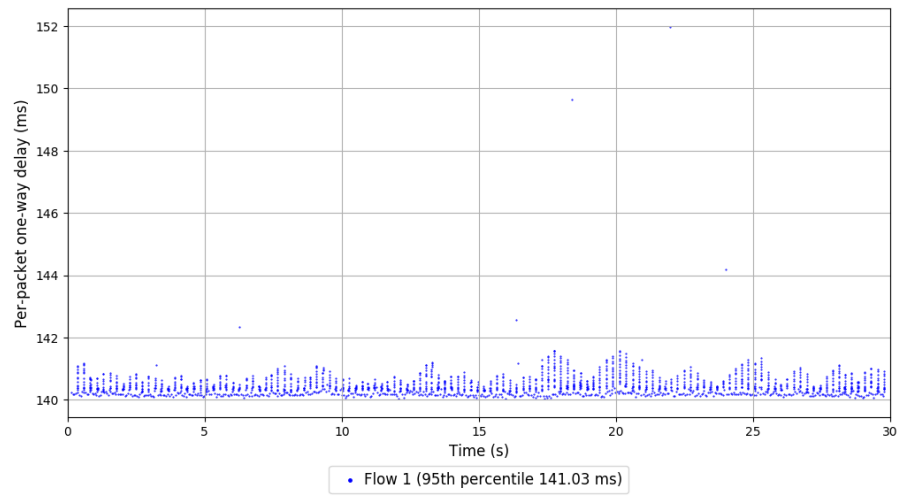
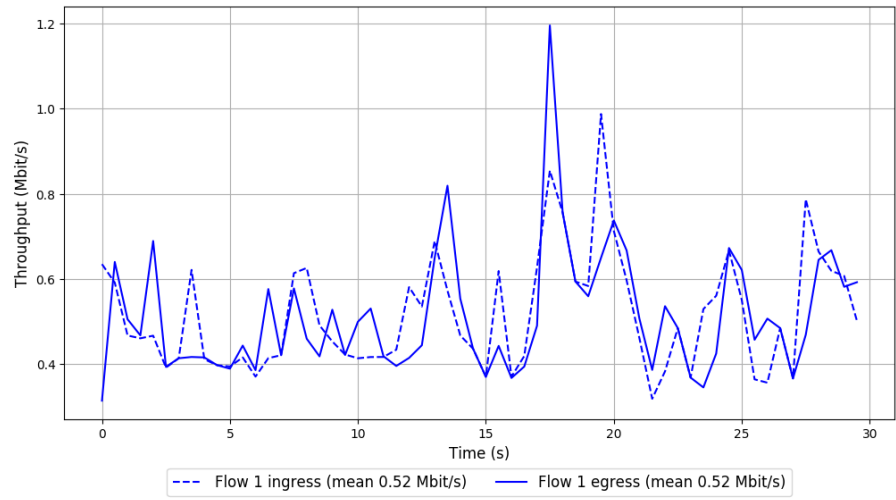
-- Flow 1:

Average throughput: 0.52 Mbit/s

95th percentile per-packet one-way delay: 141.027 ms

Loss rate: 0.74%

## Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sun, 16 Jul 2017 22:46:45 +0000

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

Local clock offset: -0.518 ms

Remote clock offset: -3.302 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:50 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.38 Mbit/s

95th percentile per-packet one-way delay: 142.453 ms

Loss rate: 0.82%

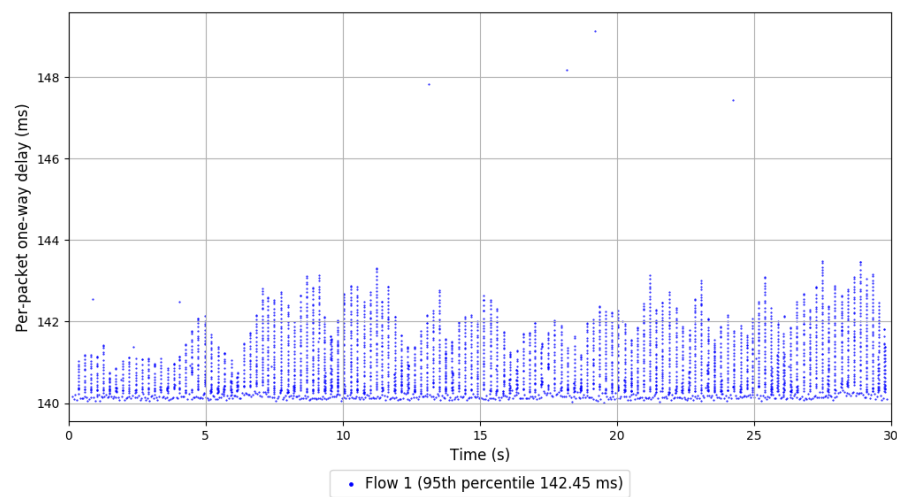
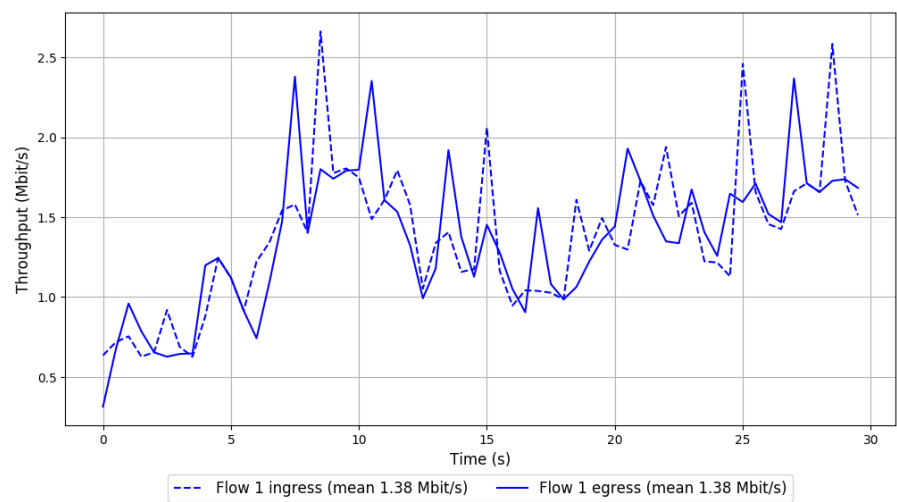
-- Flow 1:

Average throughput: 1.38 Mbit/s

95th percentile per-packet one-way delay: 142.453 ms

Loss rate: 0.82%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Sun, 16 Jul 2017 23:05:08 +0000

End at: Sun, 16 Jul 2017 23:05:38 +0000

Local clock offset: 0.899 ms

Remote clock offset: 1.034 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:50 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 142.525 ms

Loss rate: 0.51%

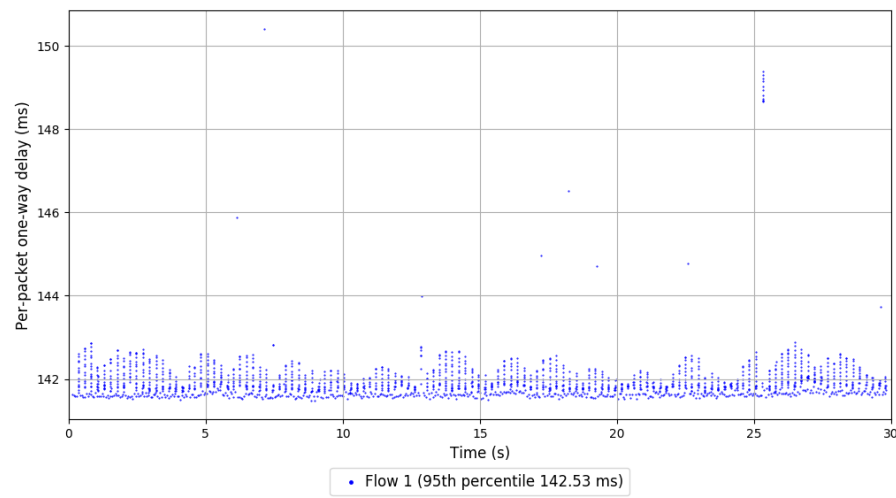
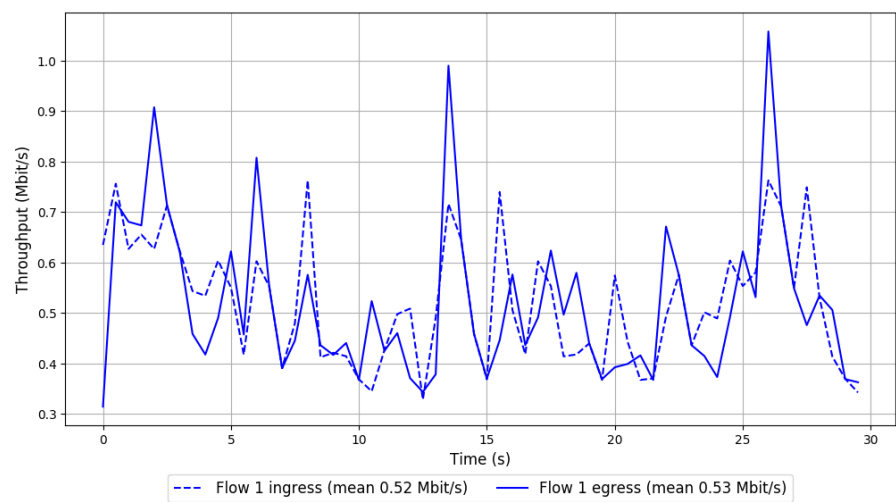
-- Flow 1:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 142.525 ms

Loss rate: 0.51%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Sun, 16 Jul 2017 23:23:29 +0000

End at: Sun, 16 Jul 2017 23:23:59 +0000

Local clock offset: -0.12 ms

Remote clock offset: 1.599 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:51 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.65 Mbit/s

95th percentile per-packet one-way delay: 141.555 ms

Loss rate: 0.54%

-- Flow 1:

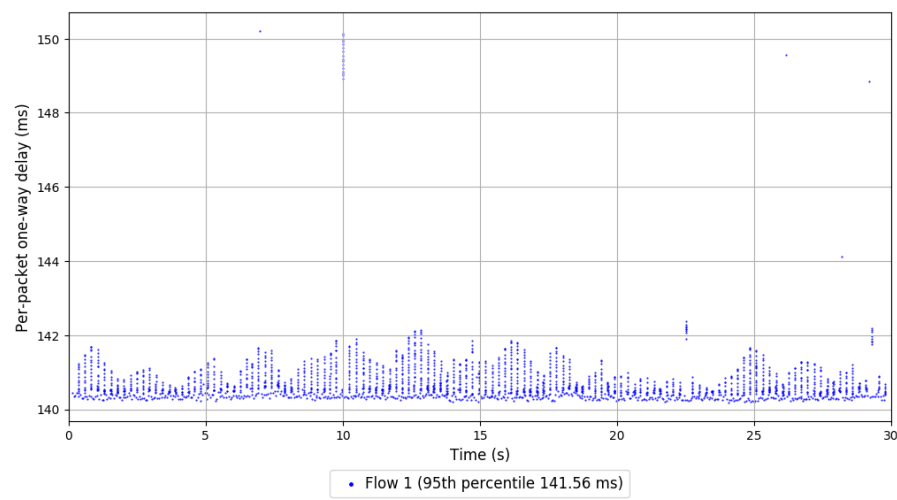
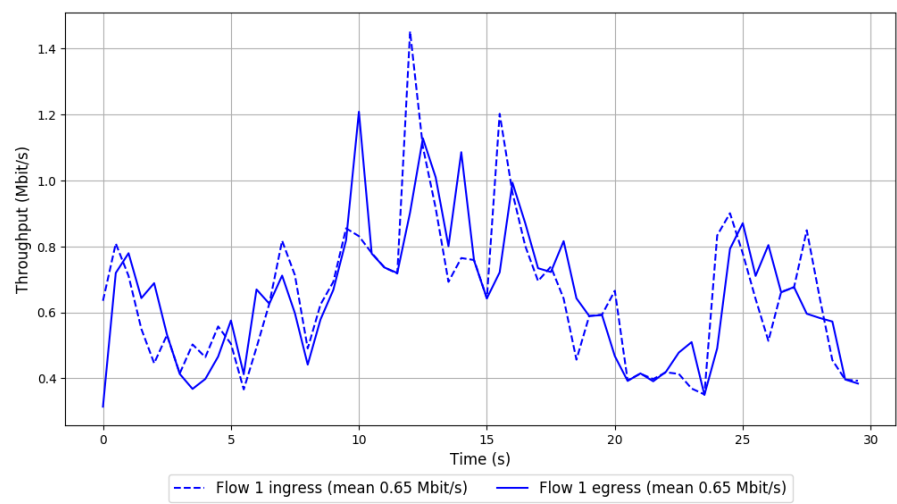
Average throughput: 0.65 Mbit/s

95th percentile per-packet one-way delay: 141.555 ms

Loss rate: 0.54%



Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Sun, 16 Jul 2017 23:42:06 +0000

End at: Sun, 16 Jul 2017 23:42:36 +0000

Local clock offset: -0.077 ms

Remote clock offset: 1.127 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:51 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.36 Mbit/s

95th percentile per-packet one-way delay: 143.245 ms

Loss rate: 0.32%

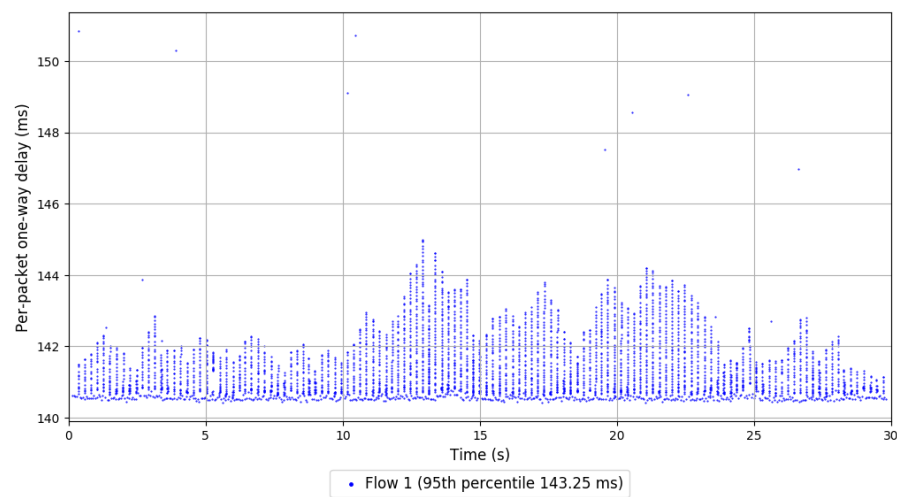
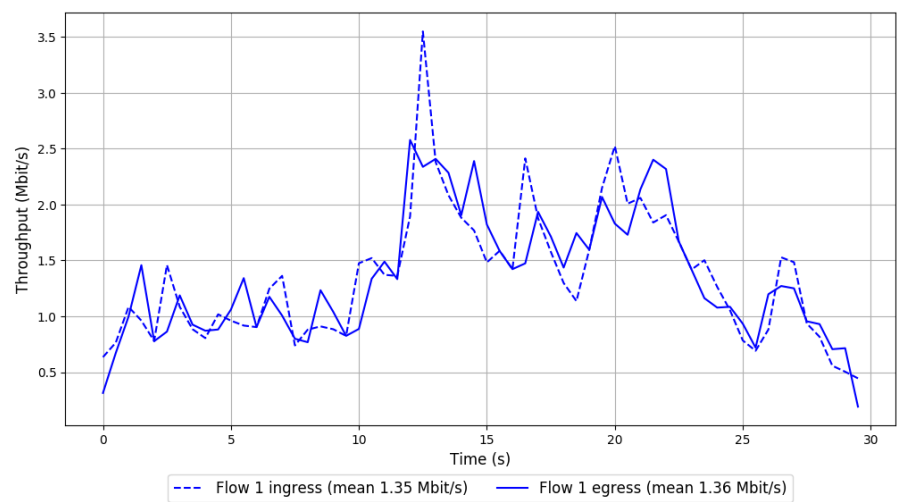
-- Flow 1:

Average throughput: 1.36 Mbit/s

95th percentile per-packet one-way delay: 143.245 ms

Loss rate: 0.32%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Mon, 17 Jul 2017 00:00:42 +0000

End at: Mon, 17 Jul 2017 00:01:12 +0000

Local clock offset: -0.203 ms

Remote clock offset: 0.964 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:52 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 141.255 ms

Loss rate: 0.76%

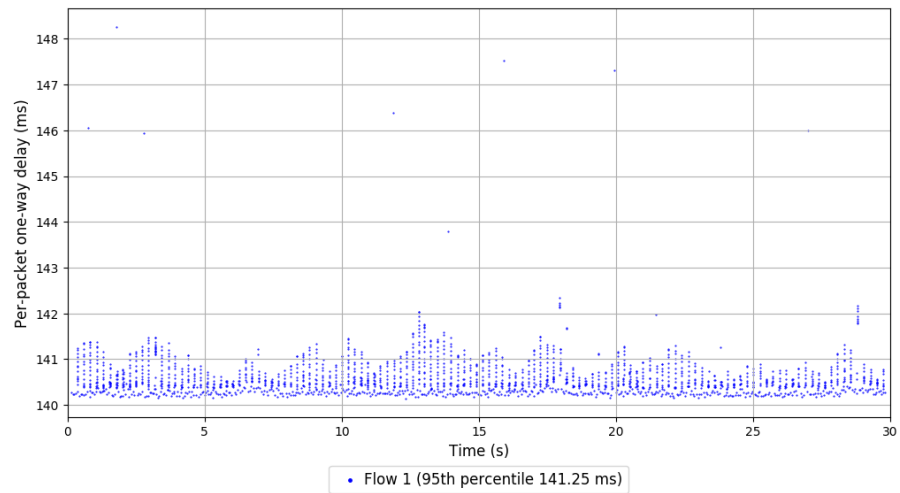
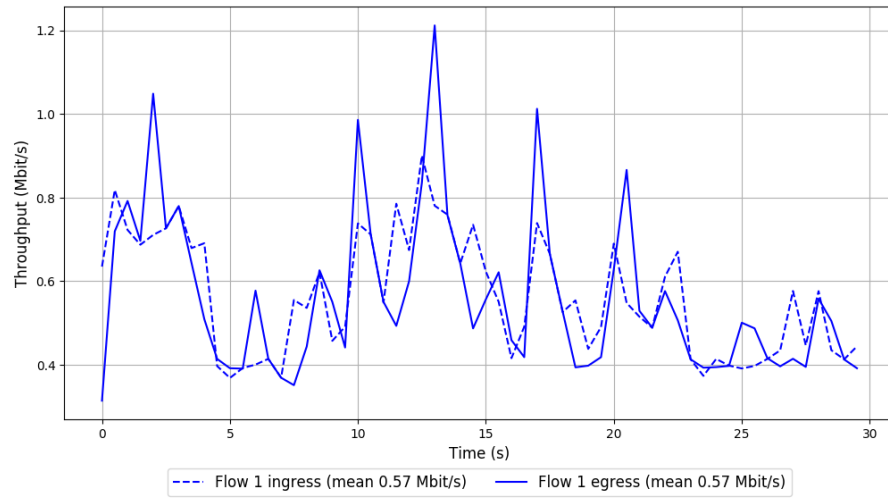
-- Flow 1:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 141.255 ms

Loss rate: 0.76%

## Run 7: Report of Sprout — Data Link



Run 8: Statistics of Sprout

Start at: Mon, 17 Jul 2017 00:18:58 +0000

End at: Mon, 17 Jul 2017 00:19:28 +0000

Local clock offset: 1.344 ms

Remote clock offset: 1.622 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:52 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 142.776 ms

Loss rate: 1.01%

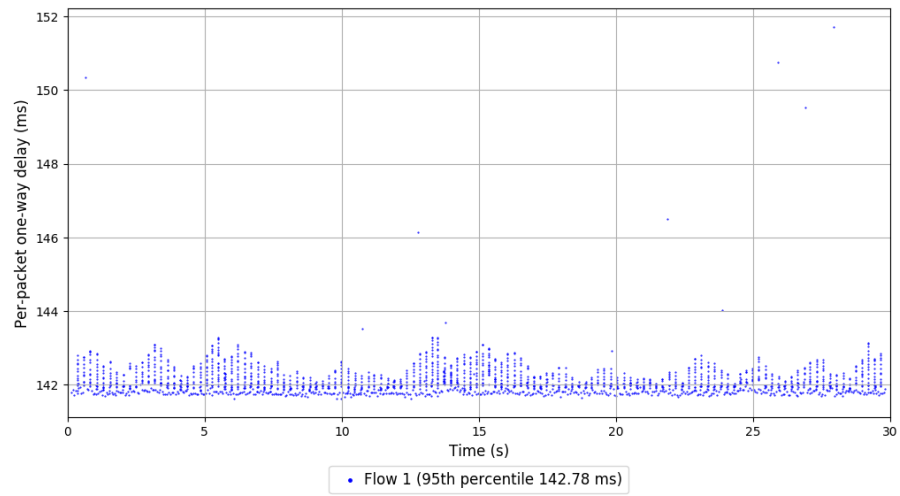
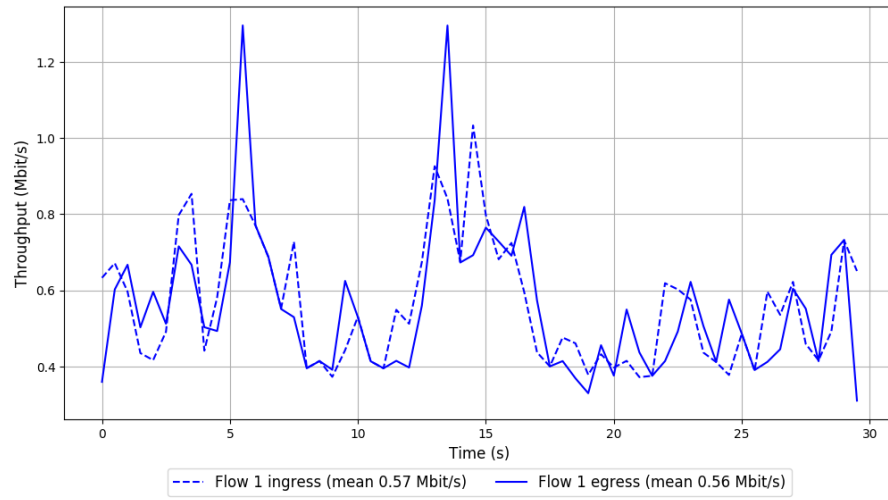
-- Flow 1:

Average throughput: 0.56 Mbit/s

95th percentile per-packet one-way delay: 142.776 ms

Loss rate: 1.01%

## Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Mon, 17 Jul 2017 00:37:13 +0000

End at: Mon, 17 Jul 2017 00:37:43 +0000

Local clock offset: -0.093 ms

Remote clock offset: 1.69 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:53 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 141.222 ms

Loss rate: 0.62%

-- Flow 1:

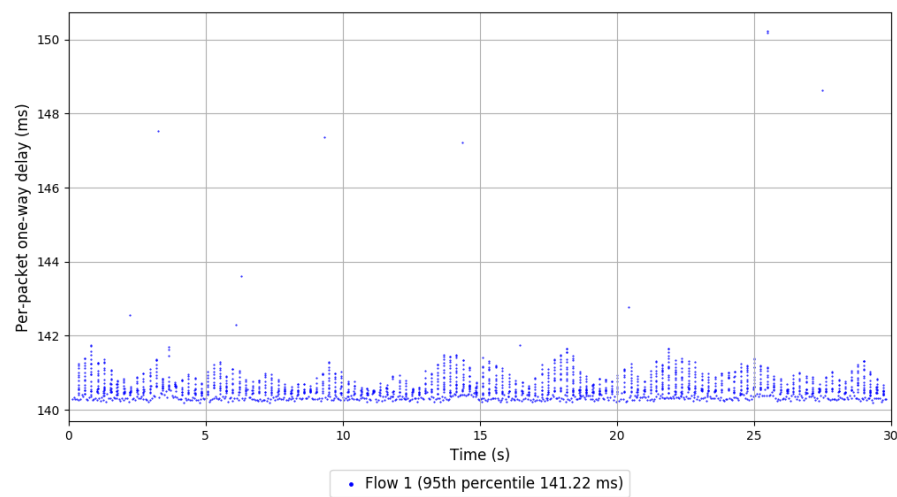
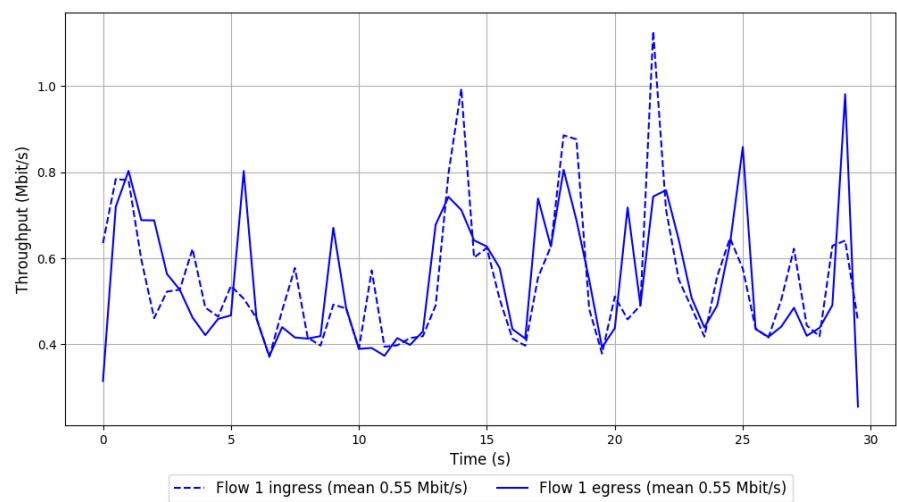
Average throughput: 0.55 Mbit/s

95th percentile per-packet one-way delay: 141.222 ms

Loss rate: 0.62%



Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Mon, 17 Jul 2017 00:55:29 +0000

End at: Mon, 17 Jul 2017 00:55:59 +0000

Local clock offset: 1.289 ms

Remote clock offset: 1.378 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:38:53 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.78 Mbit/s

95th percentile per-packet one-way delay: 143.353 ms

Loss rate: 1.24%

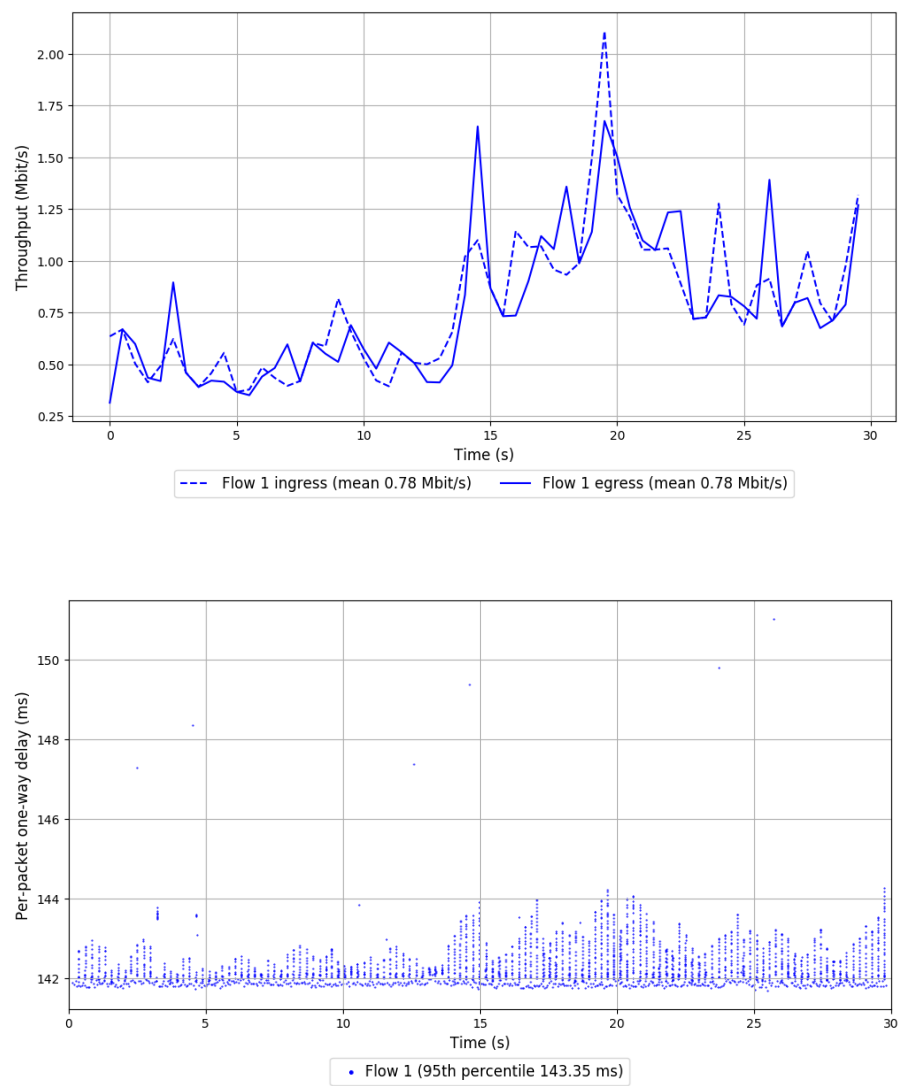
-- Flow 1:

Average throughput: 0.78 Mbit/s

95th percentile per-packet one-way delay: 143.353 ms

Loss rate: 1.24%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 22:12:26 +0000

End at: Sun, 16 Jul 2017 22:12:56 +0000

Local clock offset: 0.753 ms

Remote clock offset: -0.193 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:39:08 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.81 Mbit/s

95th percentile per-packet one-way delay: 149.349 ms

Loss rate: 0.91%

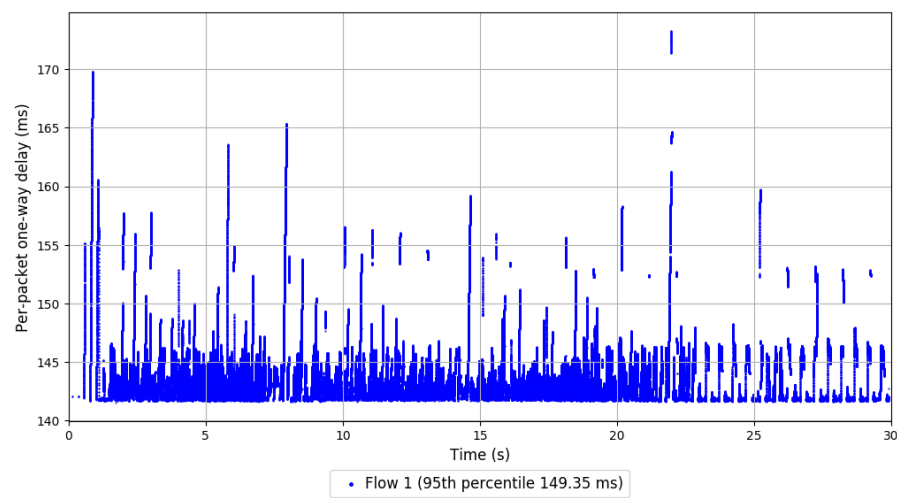
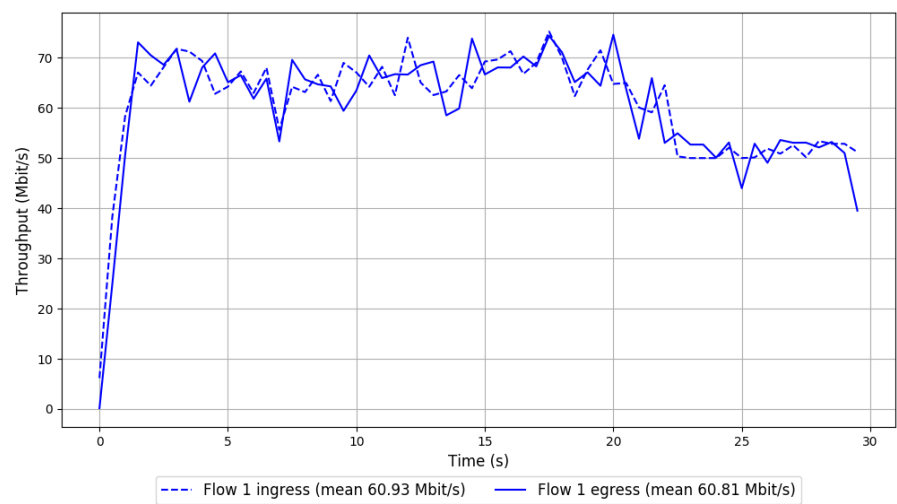
-- Flow 1:

Average throughput: 60.81 Mbit/s

95th percentile per-packet one-way delay: 149.349 ms

Loss rate: 0.91%

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



Run 2: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 22:30:37 +0000

End at: Sun, 16 Jul 2017 22:31:07 +0000

Local clock offset: 0.82 ms

Remote clock offset: -0.215 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:39:08 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.88 Mbit/s

95th percentile per-packet one-way delay: 150.525 ms

Loss rate: 0.92%

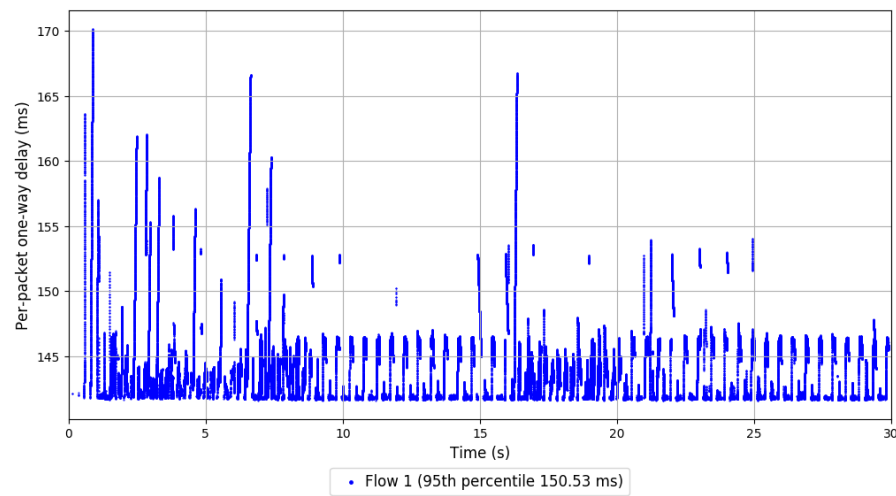
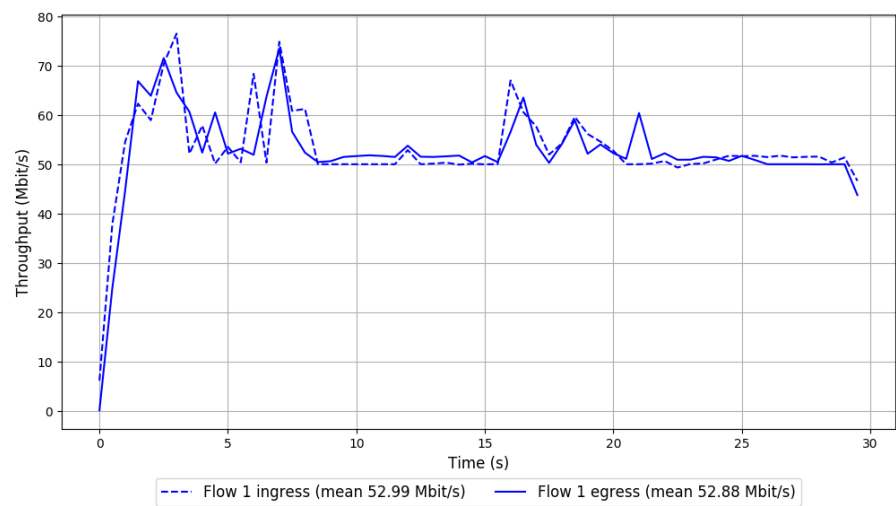
-- Flow 1:

Average throughput: 52.88 Mbit/s

95th percentile per-packet one-way delay: 150.525 ms

Loss rate: 0.92%

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



Run 3: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 22:49:06 +0000

End at: Sun, 16 Jul 2017 22:49:36 +0000

Local clock offset: -0.402 ms

Remote clock offset: -3.213 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:39:20 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 57.45 Mbit/s

95th percentile per-packet one-way delay: 150.290 ms

Loss rate: 1.29%

-- Flow 1:

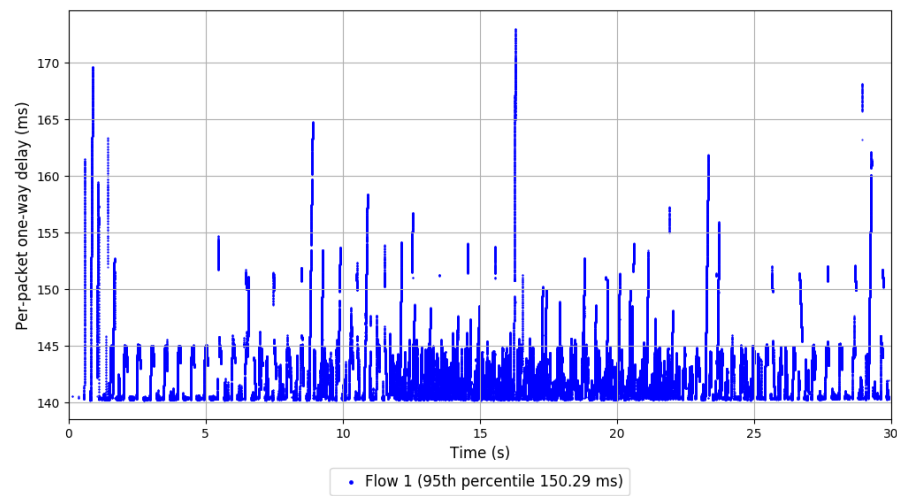
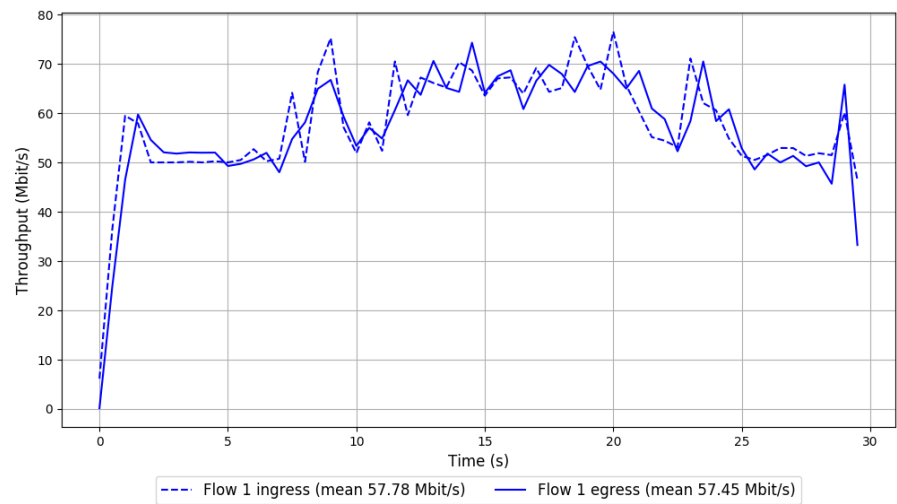
Average throughput: 57.45 Mbit/s

95th percentile per-packet one-way delay: 150.290 ms

Loss rate: 1.29%



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



Run 4: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 23:07:28 +0000

End at: Sun, 16 Jul 2017 23:07:58 +0000

Local clock offset: 1.128 ms

Remote clock offset: 1.157 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:39:22 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 57.83 Mbit/s

95th percentile per-packet one-way delay: 149.957 ms

Loss rate: 1.69%

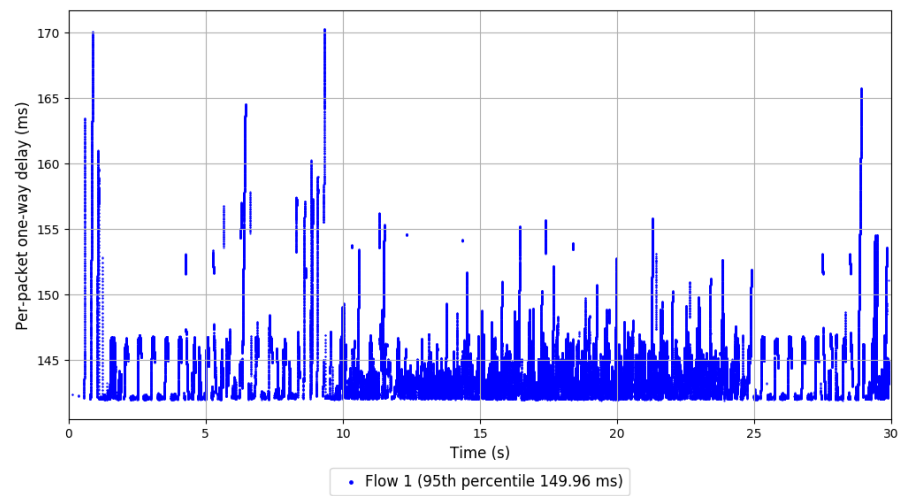
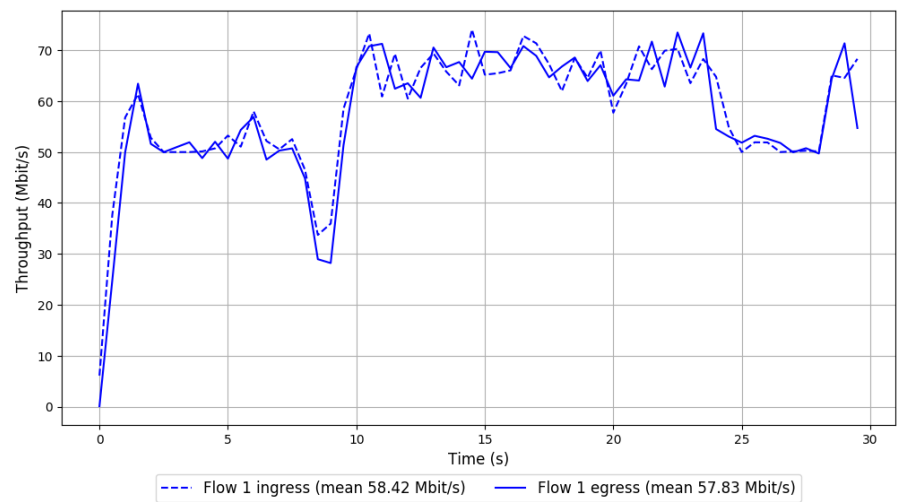
-- Flow 1:

Average throughput: 57.83 Mbit/s

95th percentile per-packet one-way delay: 149.957 ms

Loss rate: 1.69%

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



Run 5: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 23:25:49 +0000

End at: Sun, 16 Jul 2017 23:26:19 +0000

Local clock offset: 1.367 ms

Remote clock offset: 1.469 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:39:31 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 55.36 Mbit/s

95th percentile per-packet one-way delay: 149.261 ms

Loss rate: 1.30%

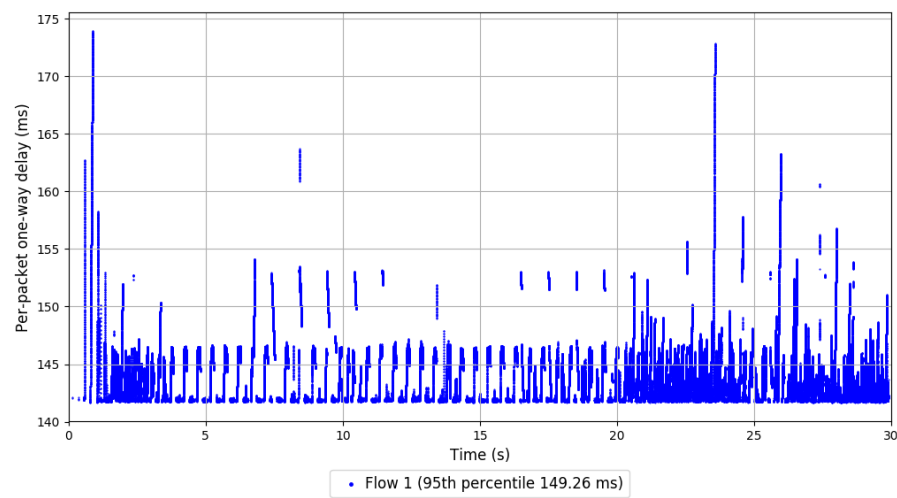
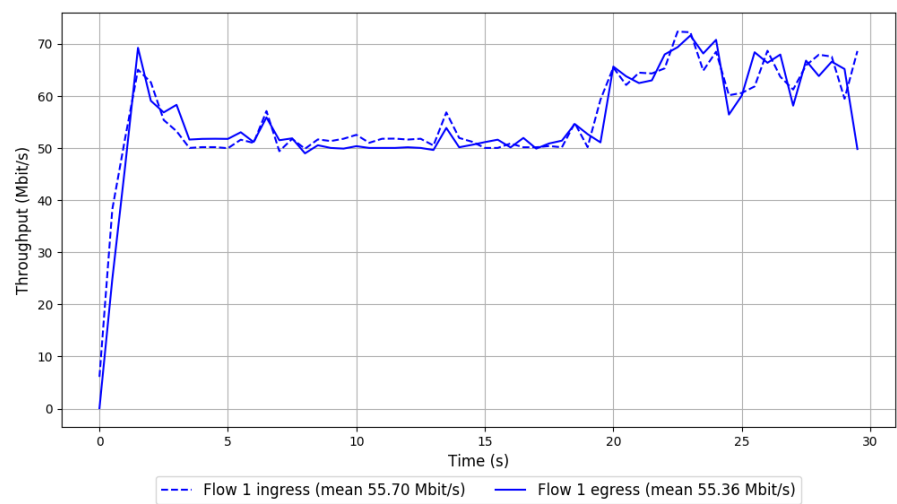
-- Flow 1:

Average throughput: 55.36 Mbit/s

95th percentile per-packet one-way delay: 149.261 ms

Loss rate: 1.30%

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



Run 6: Statistics of TaoVA-100x

Start at: Sun, 16 Jul 2017 23:44:30 +0000

End at: Sun, 16 Jul 2017 23:45:00 +0000

Local clock offset: -0.24 ms

Remote clock offset: 0.961 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:39:36 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.29 Mbit/s

95th percentile per-packet one-way delay: 148.567 ms

Loss rate: 1.47%

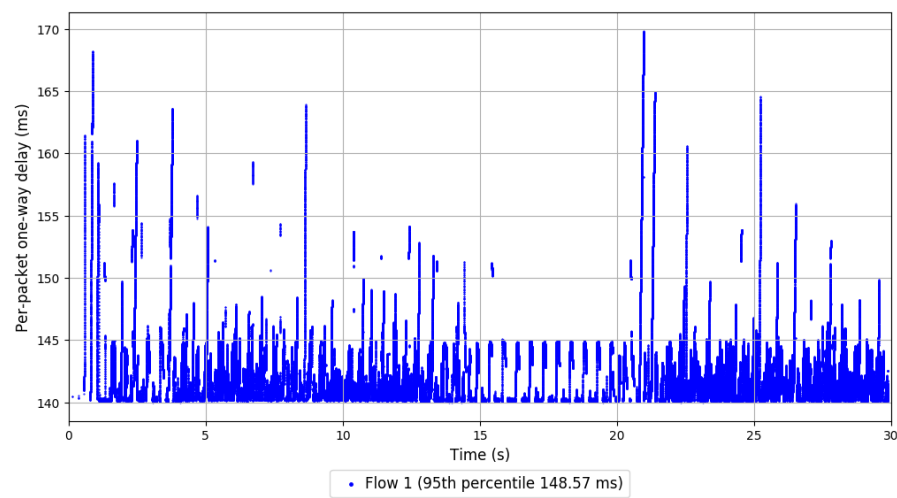
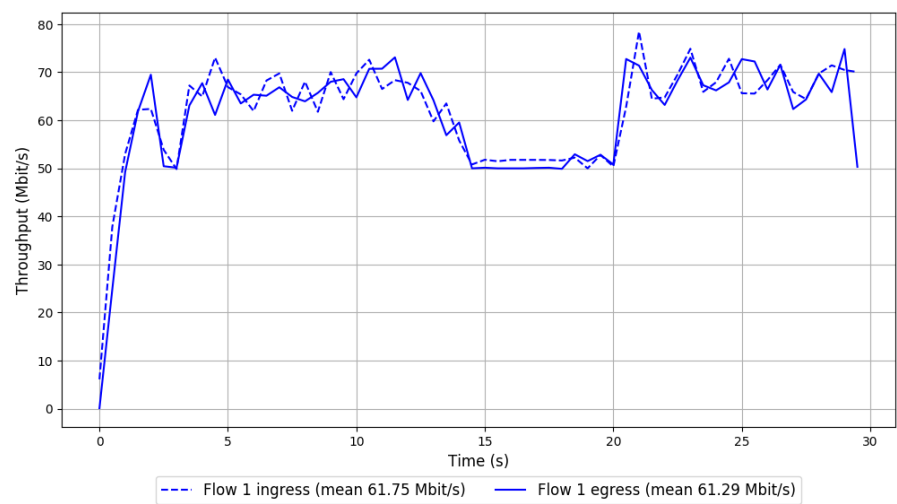
-- Flow 1:

Average throughput: 61.29 Mbit/s

95th percentile per-packet one-way delay: 148.567 ms

Loss rate: 1.47%

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



Run 7: Statistics of TaoVA-100x

Start at: Mon, 17 Jul 2017 00:03:03 +0000

End at: Mon, 17 Jul 2017 00:03:33 +0000

Local clock offset: -0.055 ms

Remote clock offset: 1.1 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:39:45 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 57.08 Mbit/s

95th percentile per-packet one-way delay: 146.482 ms

Loss rate: 1.06%

-- Flow 1:

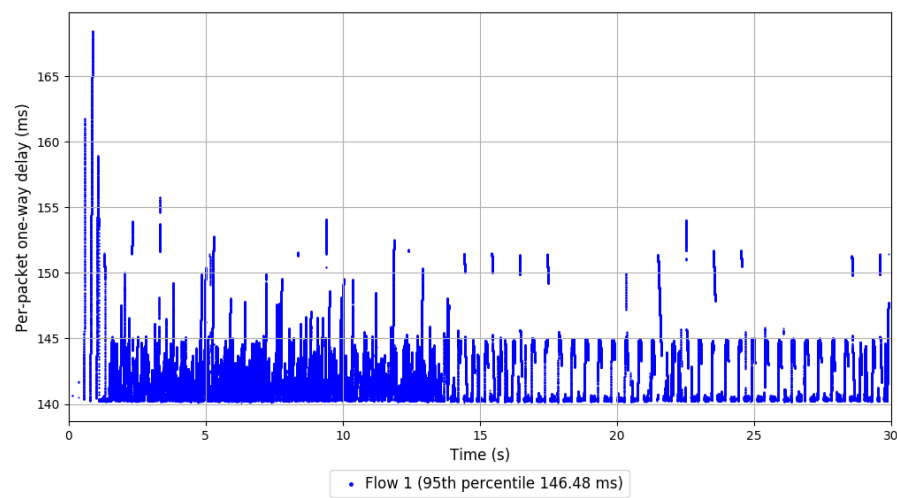
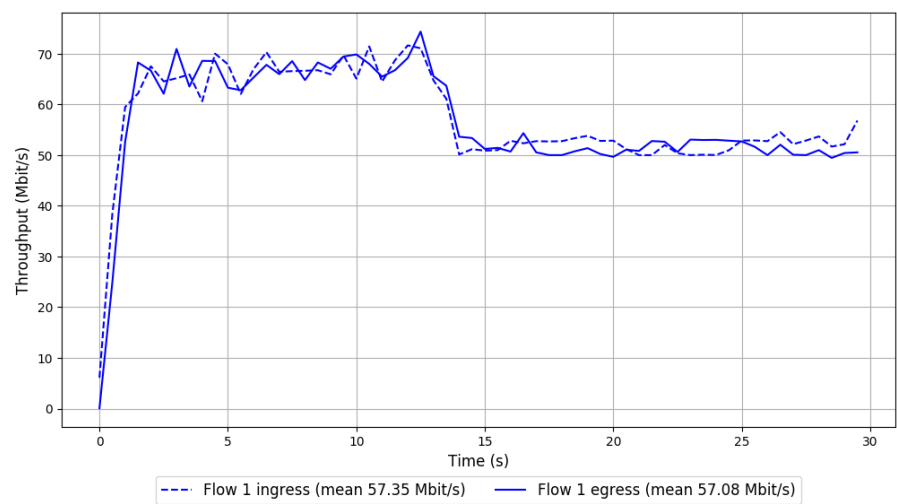
Average throughput: 57.08 Mbit/s

95th percentile per-packet one-way delay: 146.482 ms

Loss rate: 1.06%



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



Run 8: Statistics of TaoVA-100x

Start at: Mon, 17 Jul 2017 00:21:19 +0000

End at: Mon, 17 Jul 2017 00:21:49 +0000

Local clock offset: -0.013 ms

Remote clock offset: 1.66 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:39:50 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 56.34 Mbit/s

95th percentile per-packet one-way delay: 150.335 ms

Loss rate: 2.18%

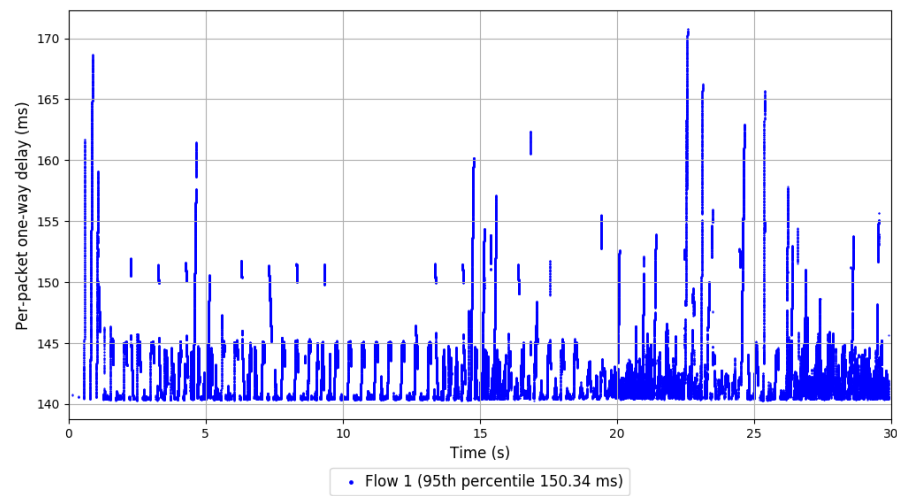
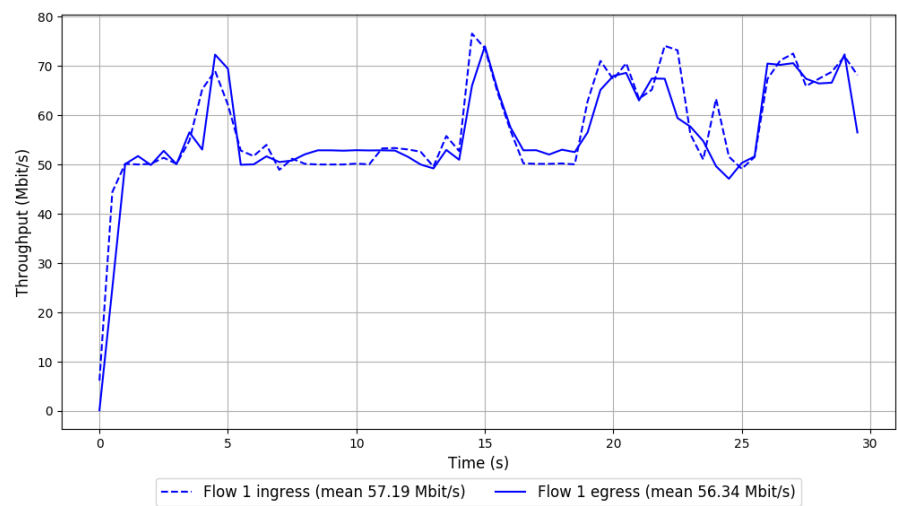
-- Flow 1:

Average throughput: 56.34 Mbit/s

95th percentile per-packet one-way delay: 150.335 ms

Loss rate: 2.18%

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



Run 9: Statistics of TaoVA-100x

Start at: Mon, 17 Jul 2017 00:39:34 +0000

End at: Mon, 17 Jul 2017 00:40:04 +0000

Local clock offset: -0.119 ms

Remote clock offset: 1.59 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:39:59 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 54.45 Mbit/s

95th percentile per-packet one-way delay: 149.177 ms

Loss rate: 1.53%

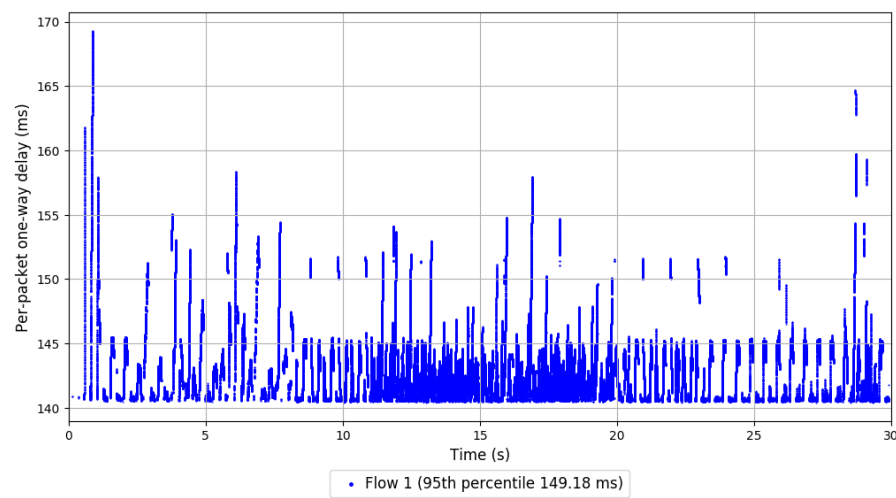
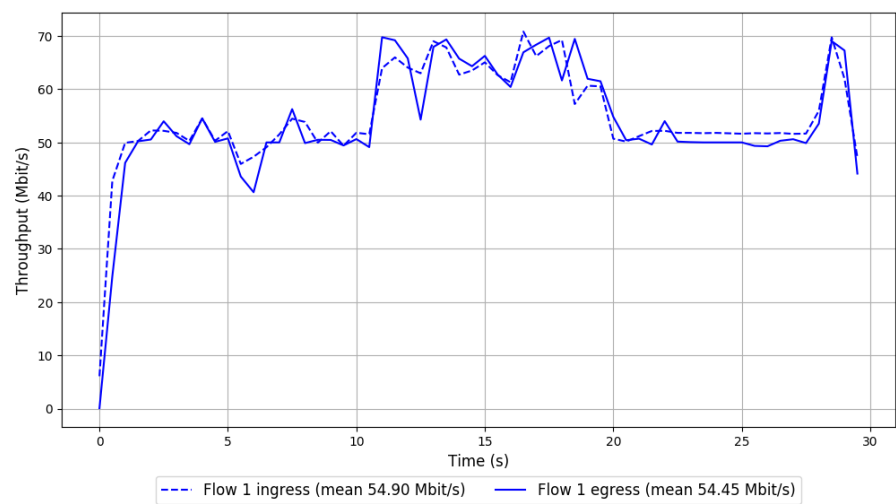
-- Flow 1:

Average throughput: 54.45 Mbit/s

95th percentile per-packet one-way delay: 149.177 ms

Loss rate: 1.53%

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



Run 10: Statistics of TaoVA-100x

Start at: Mon, 17 Jul 2017 00:57:50 +0000

End at: Mon, 17 Jul 2017 00:58:20 +0000

Local clock offset: 1.17 ms

Remote clock offset: 1.396 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:03 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 52.65 Mbit/s

95th percentile per-packet one-way delay: 149.751 ms

Loss rate: 1.19%

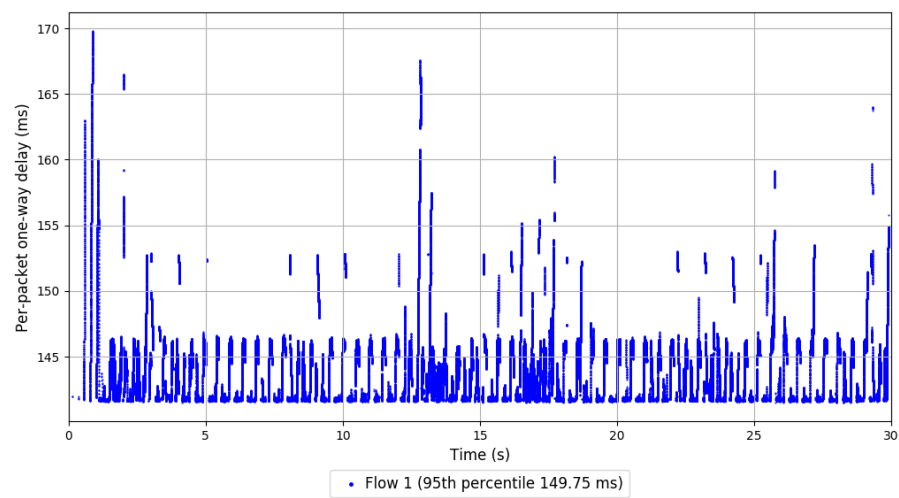
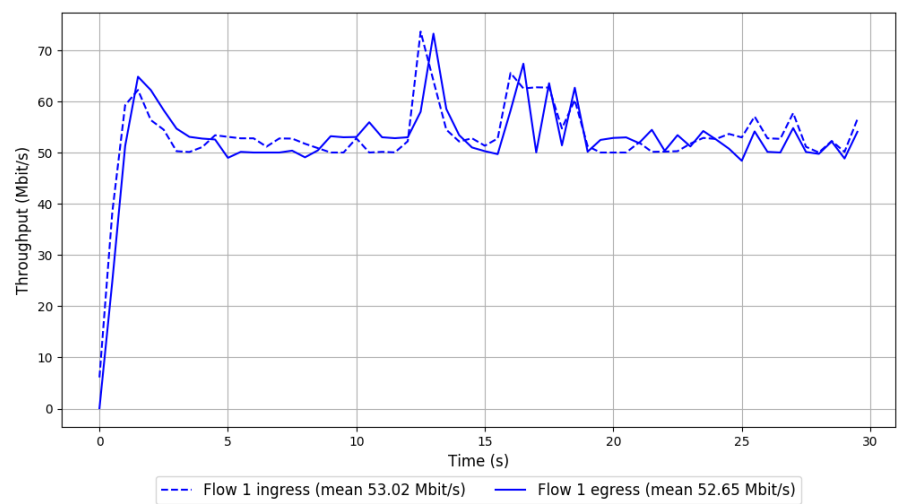
-- Flow 1:

Average throughput: 52.65 Mbit/s

95th percentile per-packet one-way delay: 149.751 ms

Loss rate: 1.19%

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



Run 1: Statistics of TCP Vegas

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

End at: Sun, 16 Jul 2017 22:16:35 +0000

Local clock offset: -0.635 ms

Remote clock offset: -0.268 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:06 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 34.81 Mbit/s

95th percentile per-packet one-way delay: 142.393 ms

Loss rate: 0.52%

-- Flow 1:

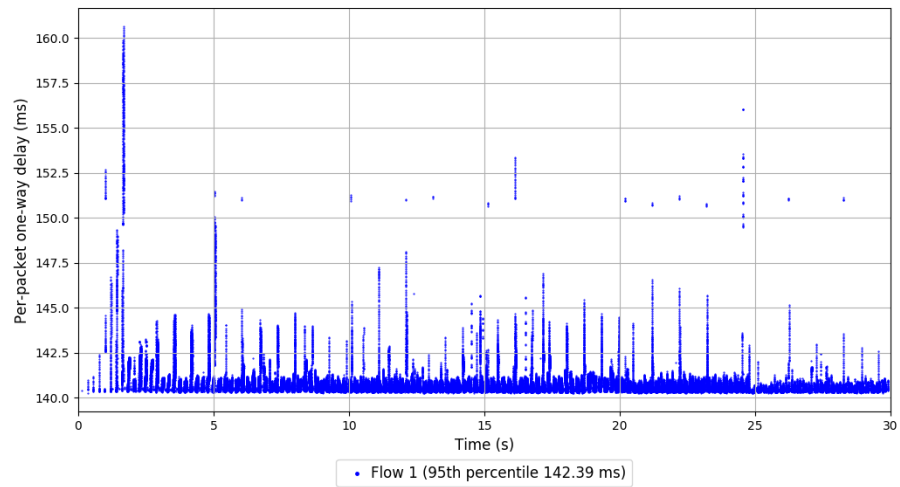
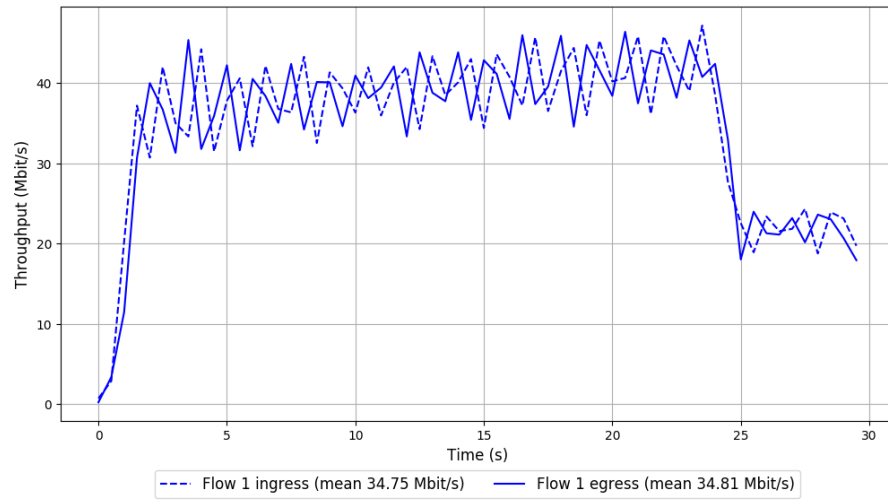
Average throughput: 34.81 Mbit/s

95th percentile per-packet one-way delay: 142.393 ms

Loss rate: 0.52%



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



Run 2: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 22:34:22 +0000

End at: Sun, 16 Jul 2017 22:34:52 +0000

Local clock offset: -0.703 ms

Remote clock offset: -0.294 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:08 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 27.64 Mbit/s

95th percentile per-packet one-way delay: 141.409 ms

Loss rate: 0.67%

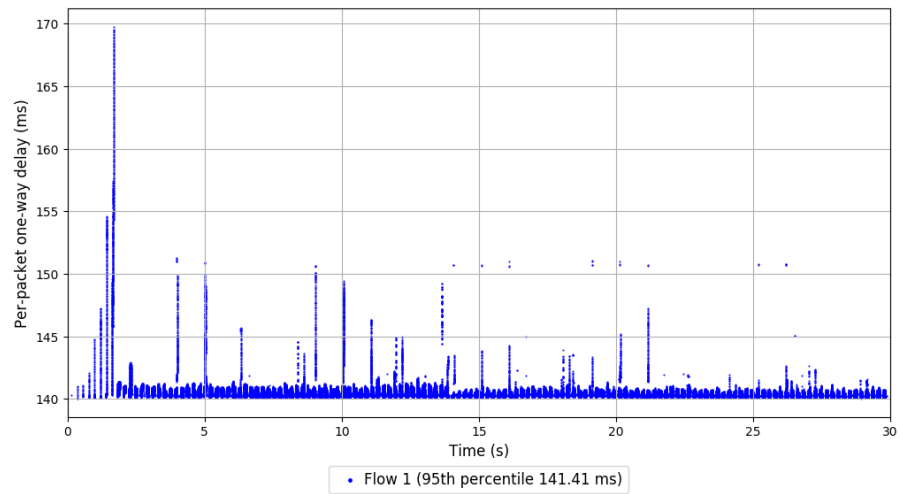
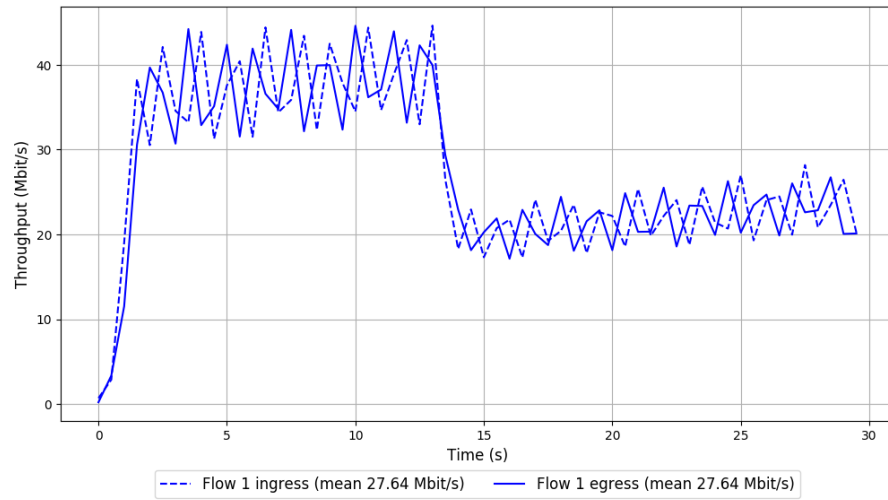
-- Flow 1:

Average throughput: 27.64 Mbit/s

95th percentile per-packet one-way delay: 141.409 ms

Loss rate: 0.67%

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



Run 3: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 22:52:48 +0000

End at: Sun, 16 Jul 2017 22:53:18 +0000

Local clock offset: -0.374 ms

Remote clock offset: -2.374 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:11 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 35.10 Mbit/s

95th percentile per-packet one-way delay: 142.715 ms

Loss rate: 0.48%

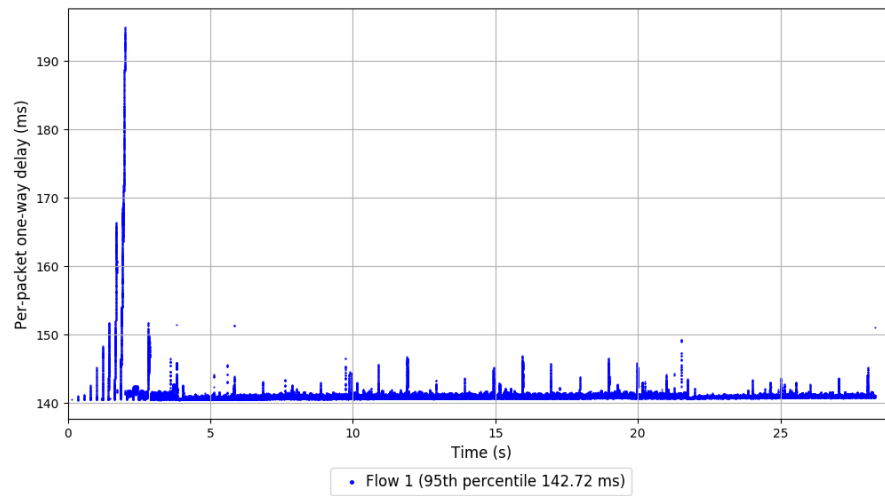
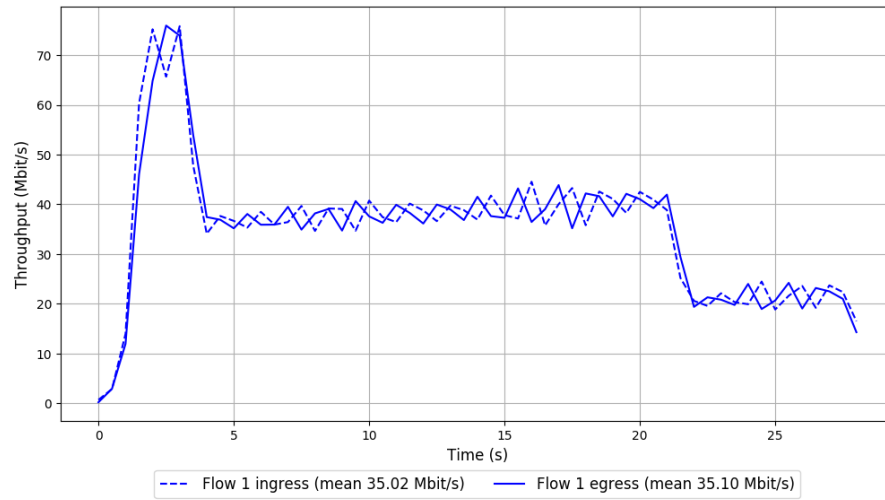
-- Flow 1:

Average throughput: 35.10 Mbit/s

95th percentile per-packet one-way delay: 142.715 ms

Loss rate: 0.48%

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



Run 4: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 23:11:10 +0000

End at: Sun, 16 Jul 2017 23:11:40 +0000

Local clock offset: -0.219 ms

Remote clock offset: 1.424 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:13 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 35.82 Mbit/s

95th percentile per-packet one-way delay: 154.621 ms

Loss rate: 0.65%

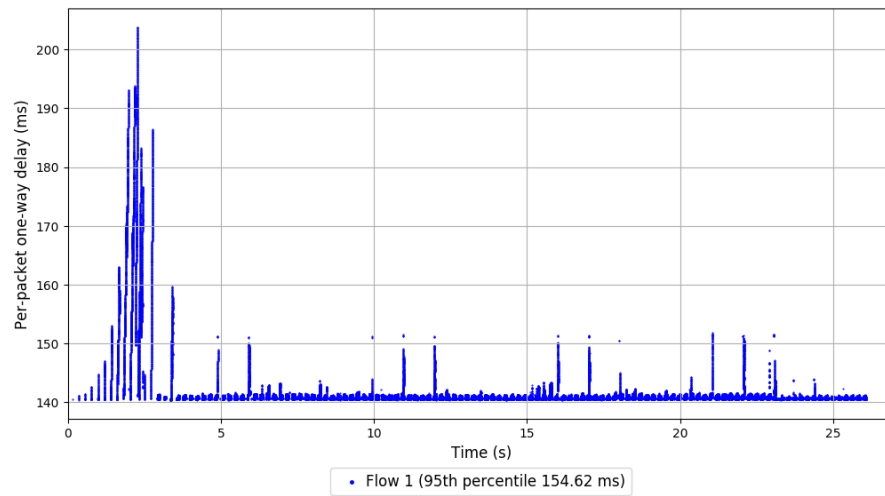
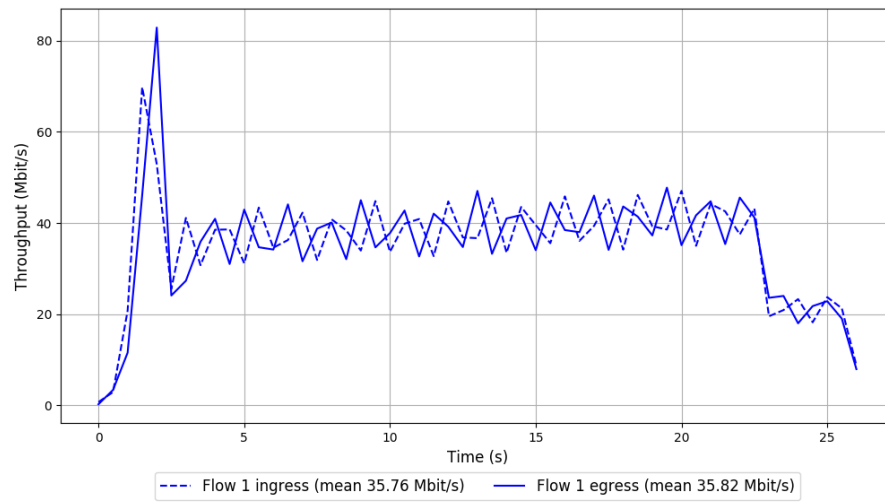
-- Flow 1:

Average throughput: 35.82 Mbit/s

95th percentile per-packet one-way delay: 154.621 ms

Loss rate: 0.65%

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



Run 5: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 23:29:35 +0000

End at: Sun, 16 Jul 2017 23:30:05 +0000

Local clock offset: -0.121 ms

Remote clock offset: 1.369 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:15 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 28.85 Mbit/s

95th percentile per-packet one-way delay: 141.603 ms

Loss rate: 0.59%

-- Flow 1:

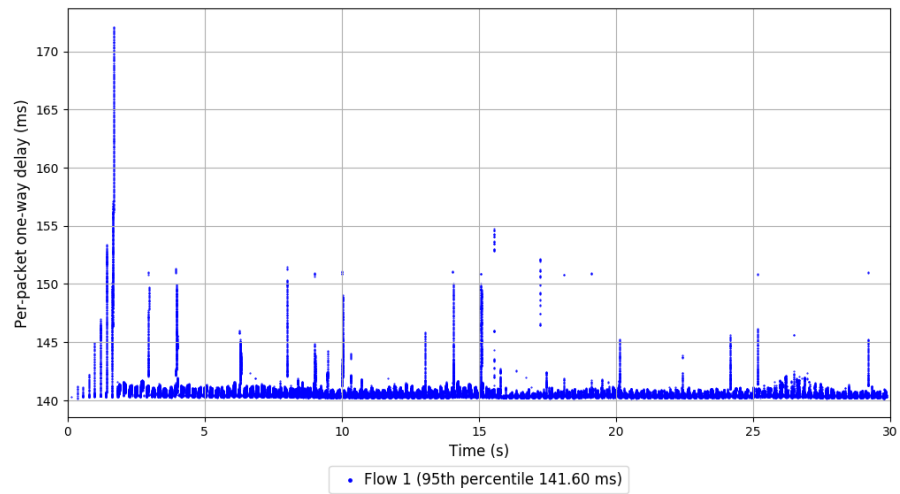
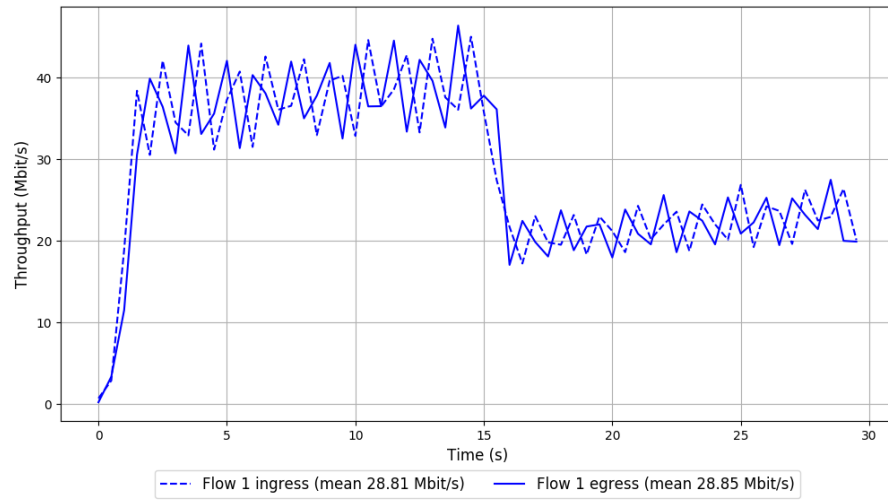
Average throughput: 28.85 Mbit/s

95th percentile per-packet one-way delay: 141.603 ms

Loss rate: 0.59%



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



Run 6: Statistics of TCP Vegas

Start at: Sun, 16 Jul 2017 23:48:16 +0000

End at: Sun, 16 Jul 2017 23:48:46 +0000

Local clock offset: -0.21 ms

Remote clock offset: 0.807 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:17 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 29.22 Mbit/s

95th percentile per-packet one-way delay: 142.130 ms

Loss rate: 0.75%

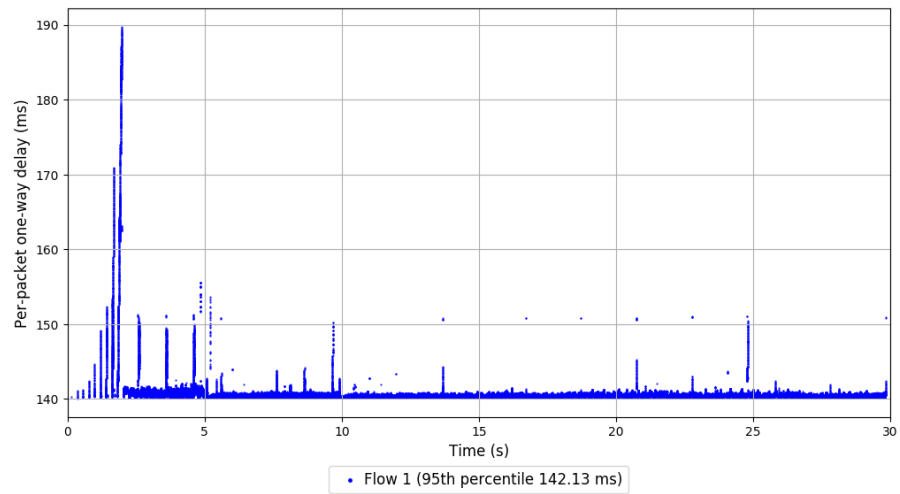
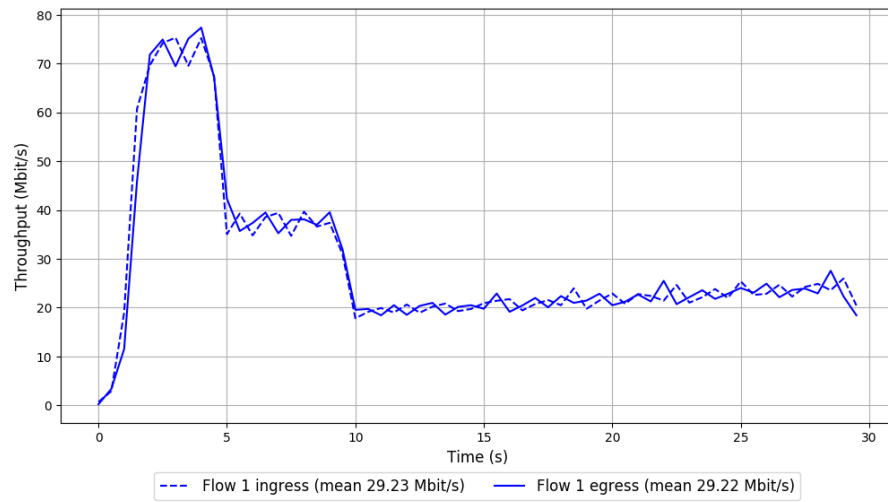
-- Flow 1:

Average throughput: 29.22 Mbit/s

95th percentile per-packet one-way delay: 142.130 ms

Loss rate: 0.75%

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



Run 7: Statistics of TCP Vegas

Start at: Mon, 17 Jul 2017 00:06:46 +0000

End at: Mon, 17 Jul 2017 00:07:16 +0000

Local clock offset: -0.079 ms

Remote clock offset: 1.307 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 31.69 Mbit/s

95th percentile per-packet one-way delay: 143.384 ms

Loss rate: 0.64%

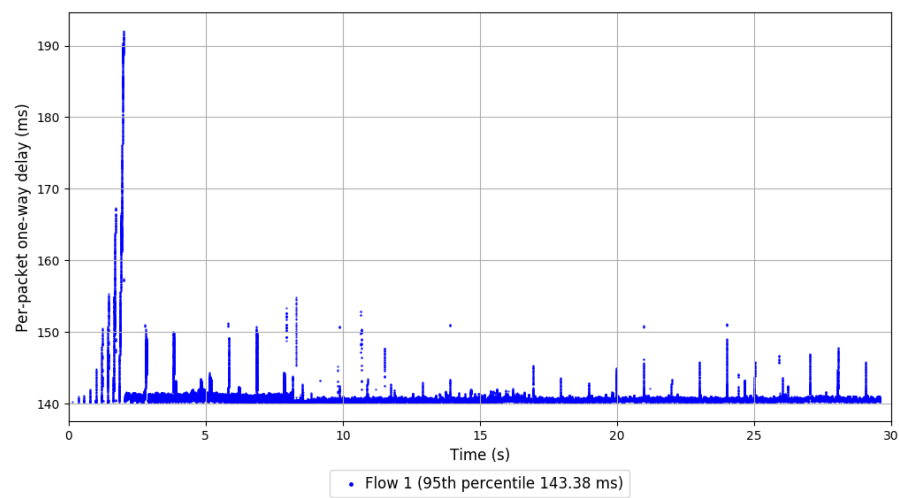
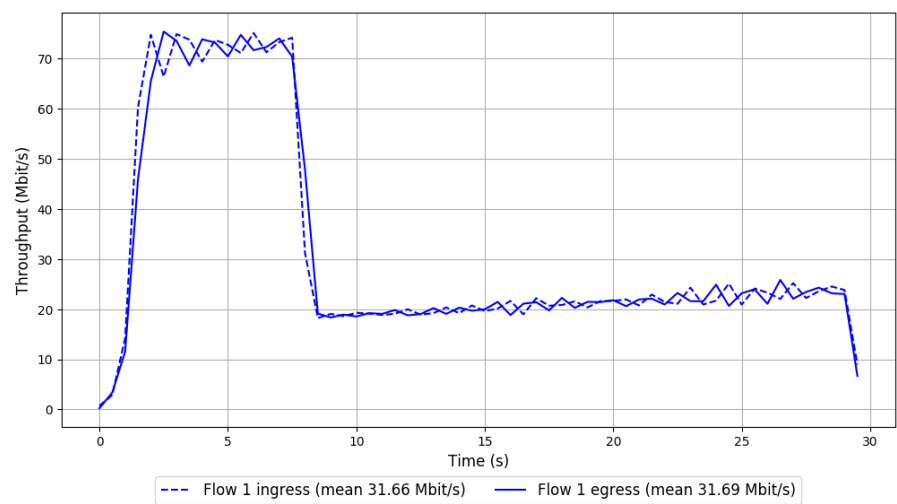
-- Flow 1:

Average throughput: 31.69 Mbit/s

95th percentile per-packet one-way delay: 143.384 ms

Loss rate: 0.64%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Mon, 17 Jul 2017 00:25:00 +0000

End at: Mon, 17 Jul 2017 00:25:30 +0000

Local clock offset: -0.211 ms

Remote clock offset: 1.719 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:21 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 25.67 Mbit/s

95th percentile per-packet one-way delay: 143.272 ms

Loss rate: 0.95%

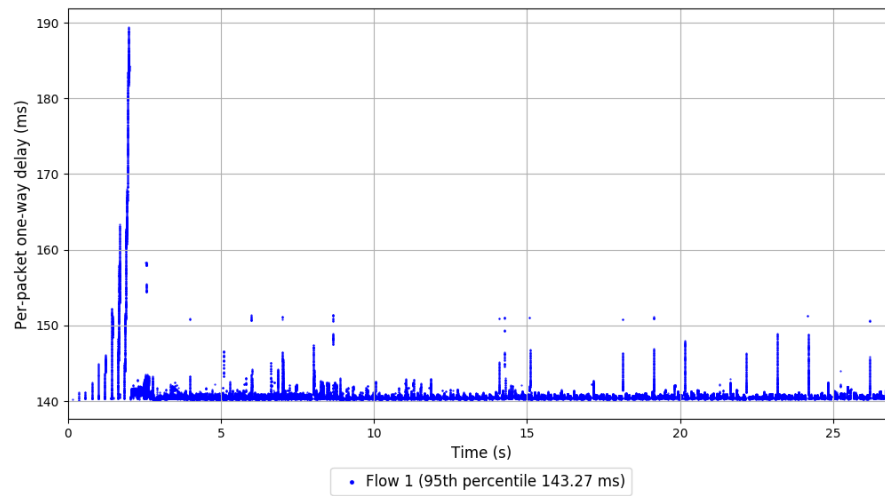
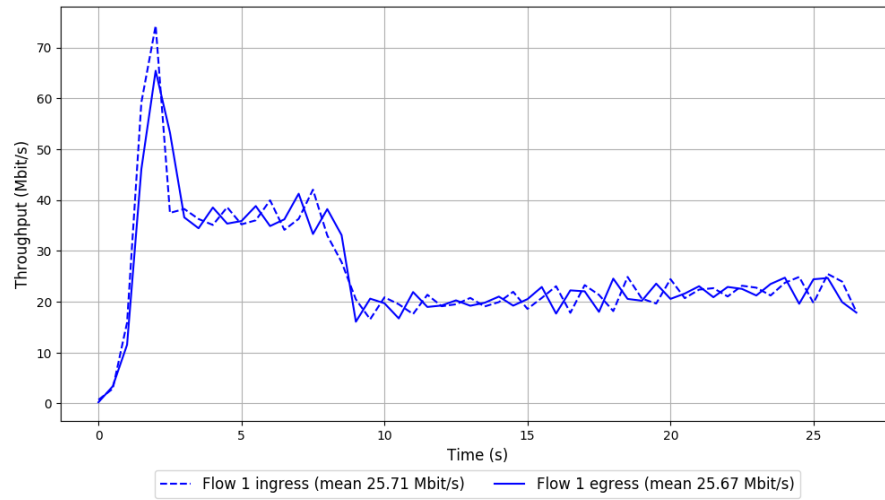
-- Flow 1:

Average throughput: 25.67 Mbit/s

95th percentile per-packet one-way delay: 143.272 ms

Loss rate: 0.95%

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



Run 9: Statistics of TCP Vegas

Start at: Mon, 17 Jul 2017 00:43:15 +0000

End at: Mon, 17 Jul 2017 00:43:45 +0000

Local clock offset: -0.094 ms

Remote clock offset: 1.518 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:23 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 19.04 Mbit/s

95th percentile per-packet one-way delay: 142.553 ms

Loss rate: 0.75%

-- Flow 1:

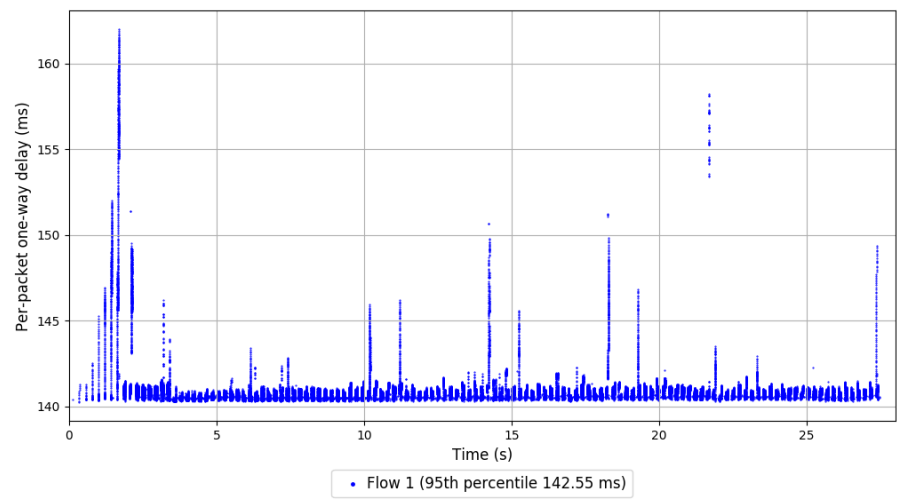
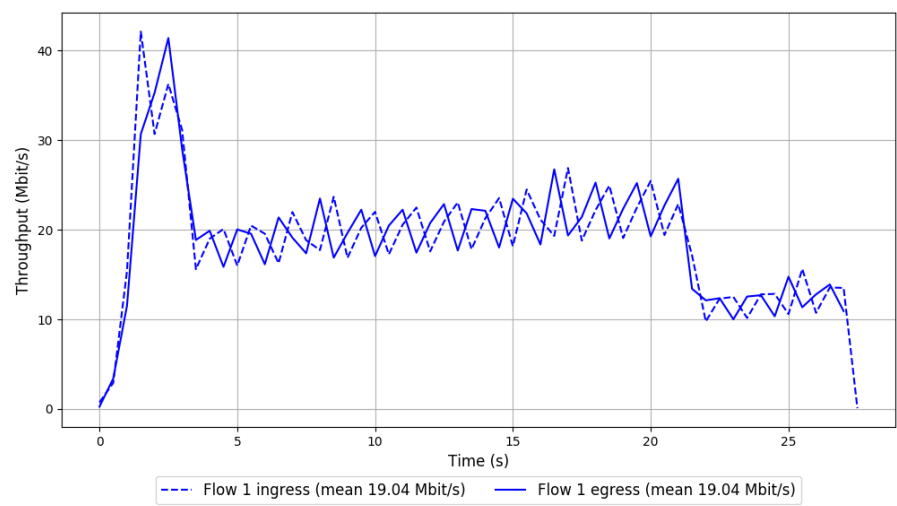
Average throughput: 19.04 Mbit/s

95th percentile per-packet one-way delay: 142.553 ms

Loss rate: 0.75%



Run 9: Report of TCP Vegas — Data Link



Run 10: Statistics of TCP Vegas

Start at: Mon, 17 Jul 2017 01:01:31 +0000

End at: Mon, 17 Jul 2017 01:02:01 +0000

Local clock offset: -0.119 ms

Remote clock offset: 1.379 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:26 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 42.38 Mbit/s

95th percentile per-packet one-way delay: 143.172 ms

Loss rate: 0.54%

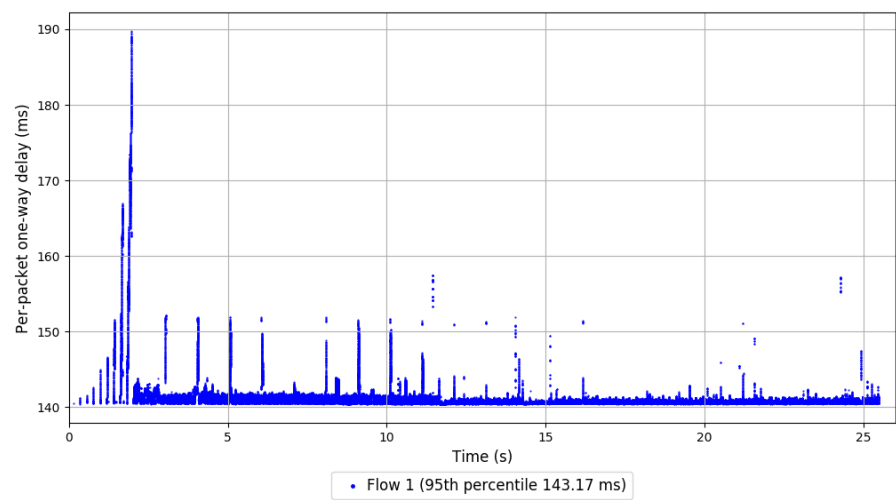
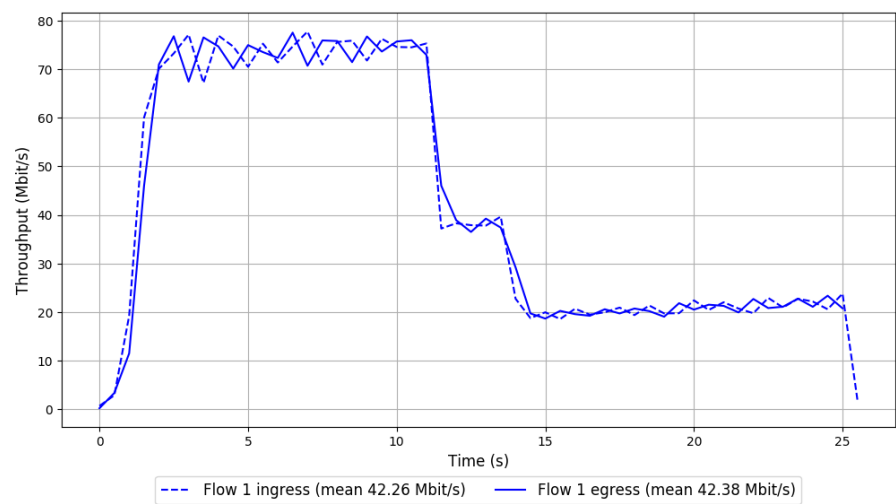
-- Flow 1:

Average throughput: 42.38 Mbit/s

95th percentile per-packet one-way delay: 143.172 ms

Loss rate: 0.54%

Run 10: Report of TCP Vegas — Data Link



Run 1: Statistics of Verus

Start at: Sun, 16 Jul 2017 22:23:24 +0000

End at: Sun, 16 Jul 2017 22:23:54 +0000

Local clock offset: -0.575 ms

Remote clock offset: -0.229 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:29 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 30.76 Mbit/s

95th percentile per-packet one-way delay: 205.791 ms

Loss rate: 45.16%

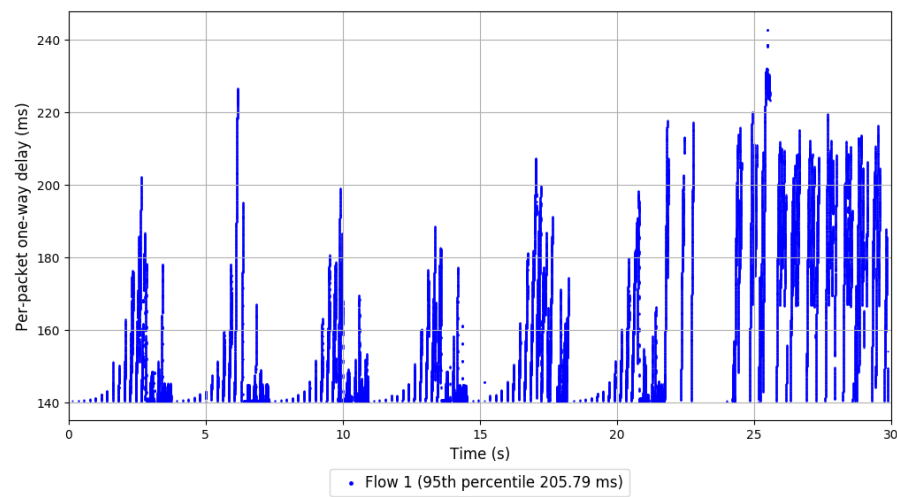
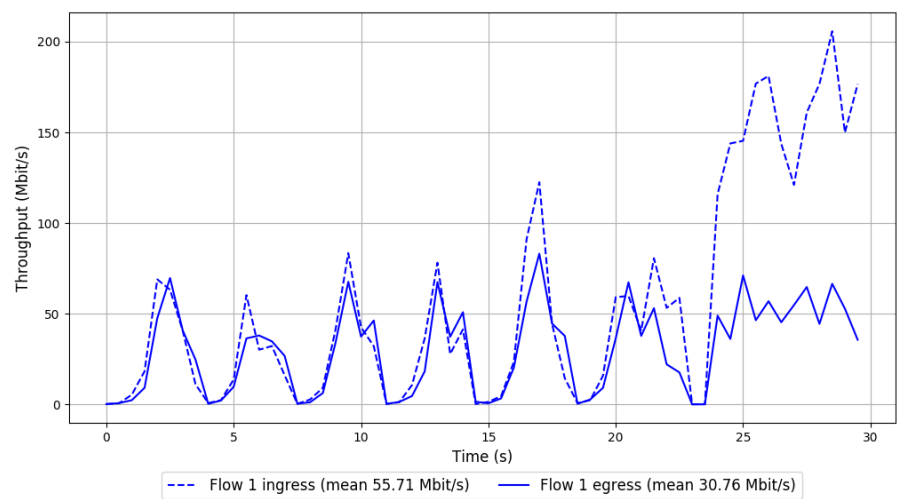
-- Flow 1:

Average throughput: 30.76 Mbit/s

95th percentile per-packet one-way delay: 205.791 ms

Loss rate: 45.16%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sun, 16 Jul 2017 22:41:51 +0000

End at: Sun, 16 Jul 2017 22:42:21 +0000

Local clock offset: 0.952 ms

Remote clock offset: -0.173 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:31 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 32.66 Mbit/s

95th percentile per-packet one-way delay: 203.152 ms

Loss rate: 40.59%

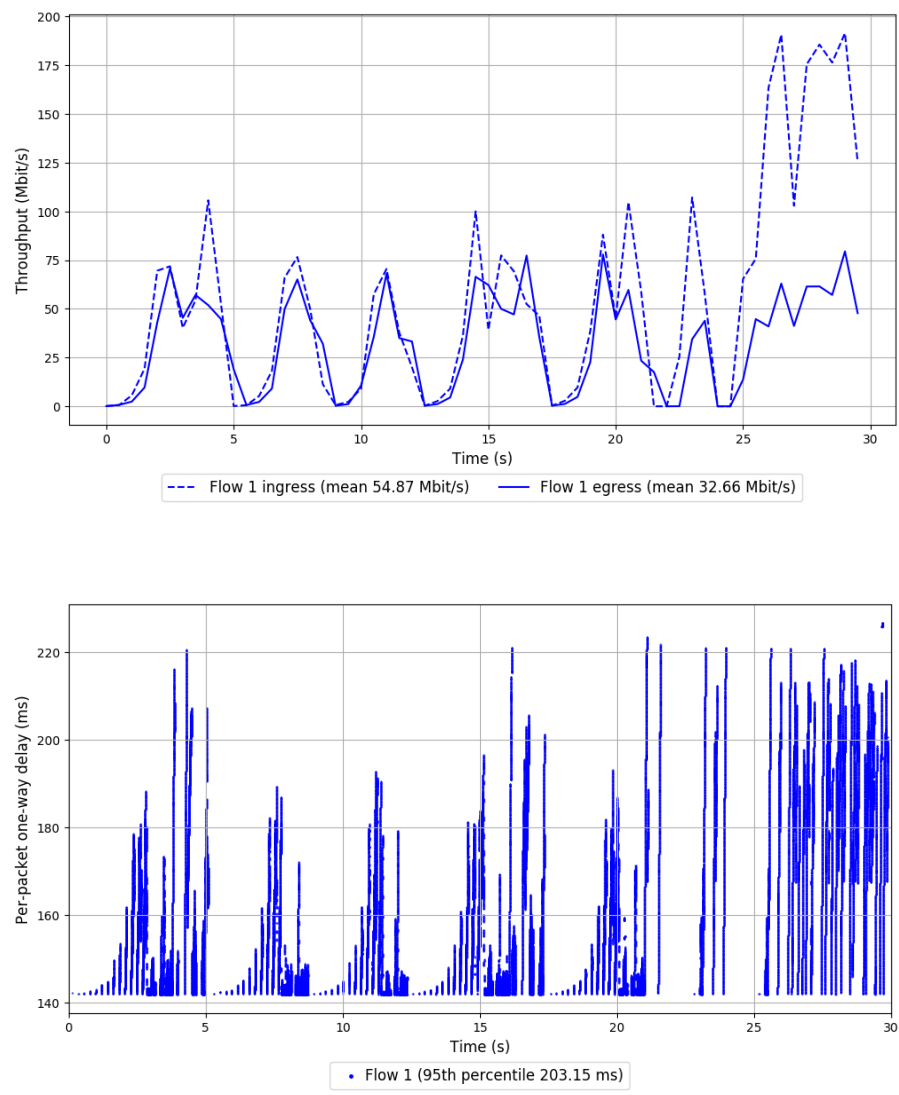
-- Flow 1:

Average throughput: 32.66 Mbit/s

95th percentile per-packet one-way delay: 203.152 ms

Loss rate: 40.59%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sun, 16 Jul 2017 23:00:11 +0000

End at: Sun, 16 Jul 2017 23:00:41 +0000

Local clock offset: -0.254 ms

Remote clock offset: 0.775 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:34 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 27.17 Mbit/s

95th percentile per-packet one-way delay: 204.983 ms

Loss rate: 47.37%

-- Flow 1:

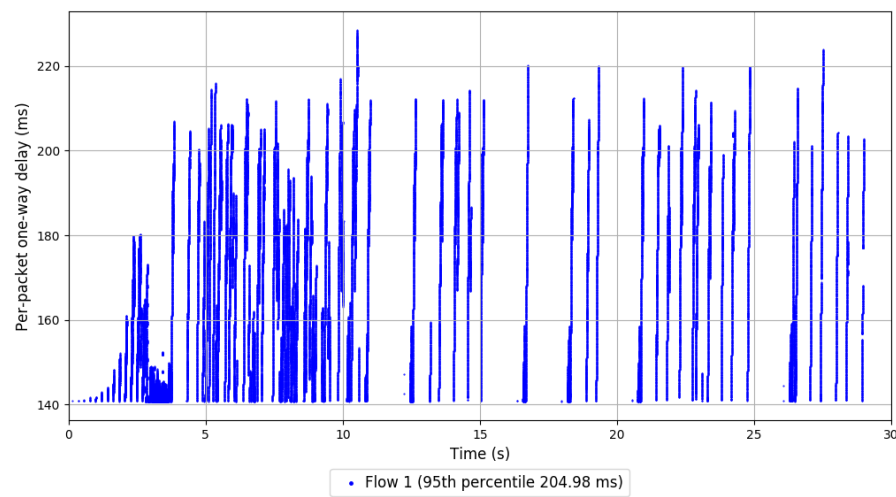
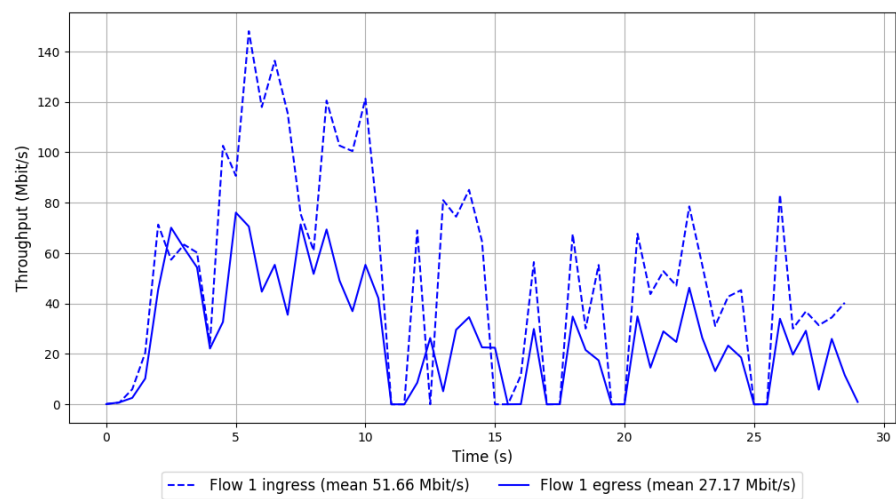
Average throughput: 27.17 Mbit/s

95th percentile per-packet one-way delay: 204.983 ms

Loss rate: 47.37%



Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Sun, 16 Jul 2017 23:18:36 +0000

End at: Sun, 16 Jul 2017 23:19:06 +0000

Local clock offset: -0.348 ms

Remote clock offset: 2.105 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:37 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 35.29 Mbit/s

95th percentile per-packet one-way delay: 198.010 ms

Loss rate: 34.49%

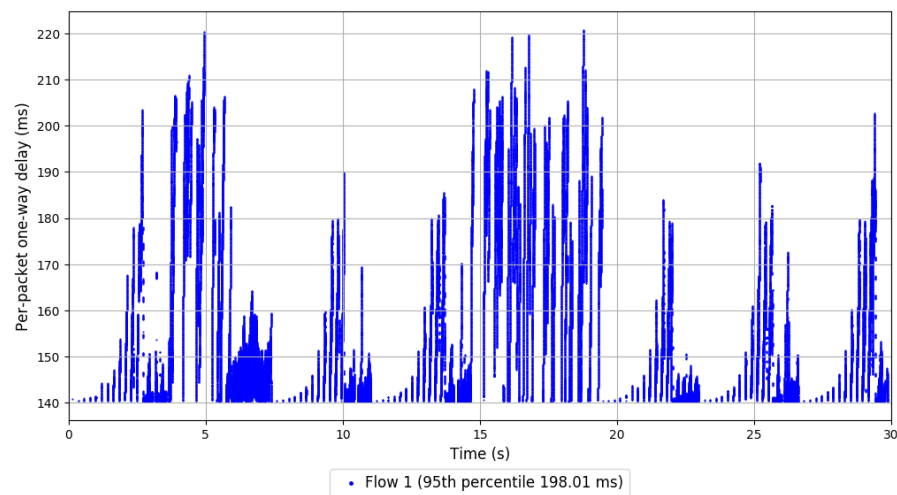
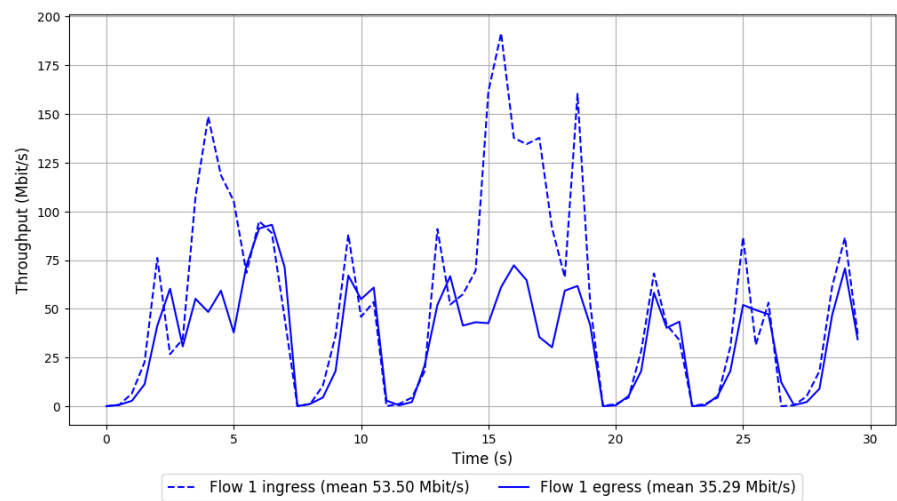
-- Flow 1:

Average throughput: 35.29 Mbit/s

95th percentile per-packet one-way delay: 198.010 ms

Loss rate: 34.49%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Sun, 16 Jul 2017 23:37:07 +0000

End at: Sun, 16 Jul 2017 23:37:37 +0000

Local clock offset: -0.074 ms

Remote clock offset: 1.308 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:40 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 34.99 Mbit/s

95th percentile per-packet one-way delay: 197.446 ms

Loss rate: 36.34%

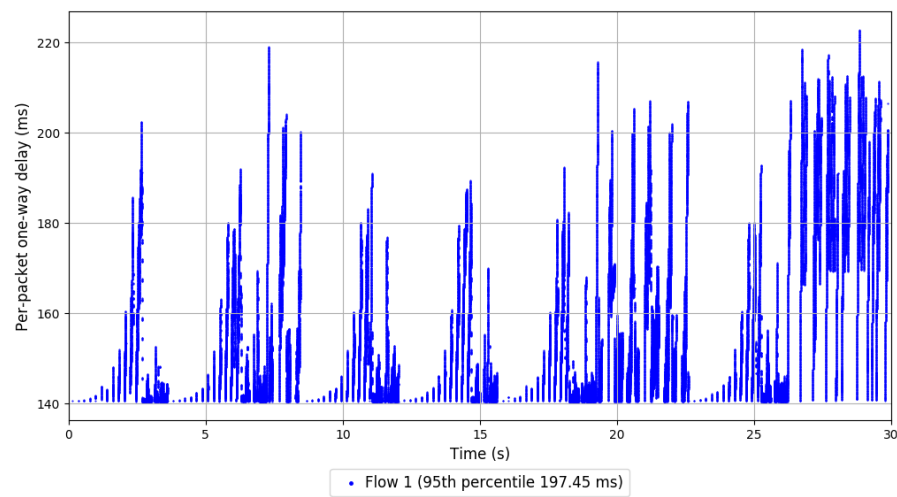
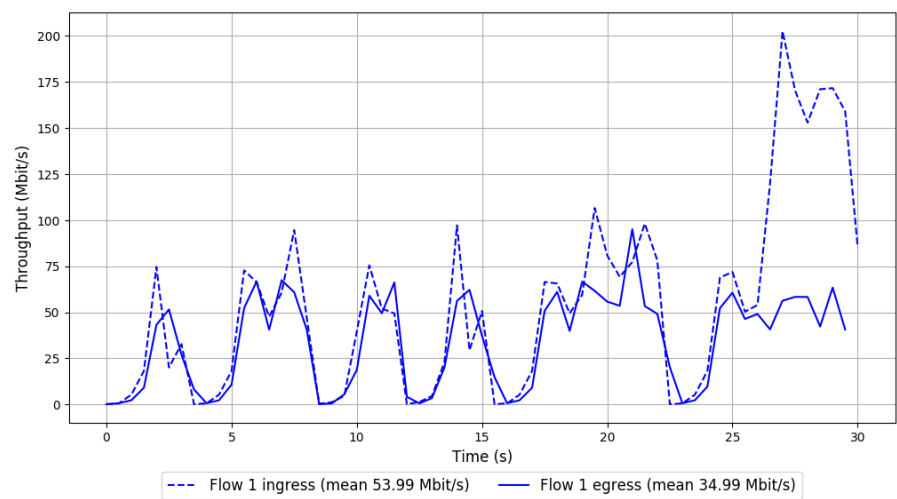
-- Flow 1:

Average throughput: 34.99 Mbit/s

95th percentile per-packet one-way delay: 197.446 ms

Loss rate: 36.34%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Sun, 16 Jul 2017 23:55:40 +0000

End at: Sun, 16 Jul 2017 23:56:10 +0000

Local clock offset: -0.19 ms

Remote clock offset: 0.821 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:42 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 29.91 Mbit/s

95th percentile per-packet one-way delay: 202.125 ms

Loss rate: 38.62%

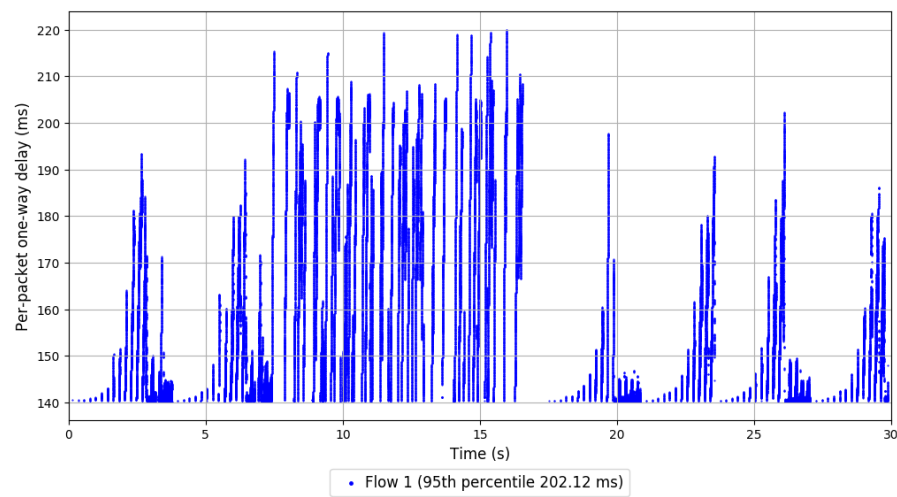
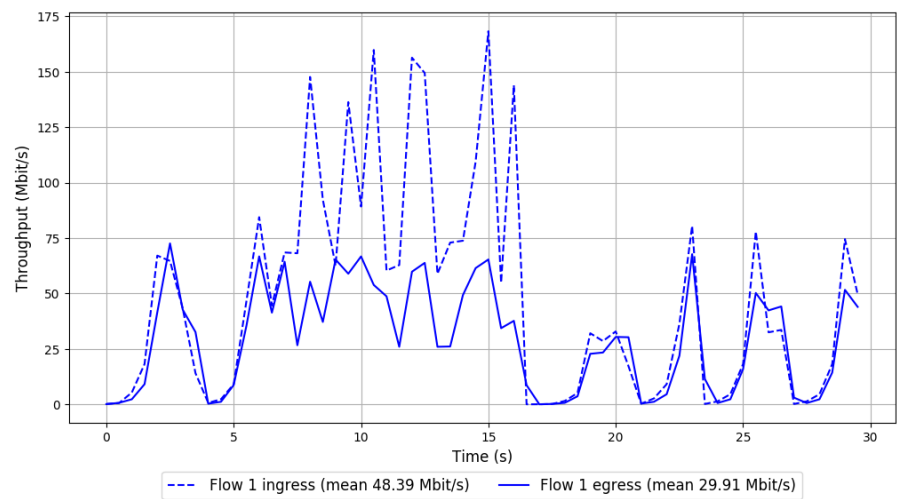
-- Flow 1:

Average throughput: 29.91 Mbit/s

95th percentile per-packet one-way delay: 202.125 ms

Loss rate: 38.62%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Mon, 17 Jul 2017 00:14:10 +0000

End at: Mon, 17 Jul 2017 00:14:40 +0000

Local clock offset: -0.048 ms

Remote clock offset: 1.541 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:47 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 42.90 Mbit/s

95th percentile per-packet one-way delay: 203.417 ms

Loss rate: 44.10%

-- Flow 1:

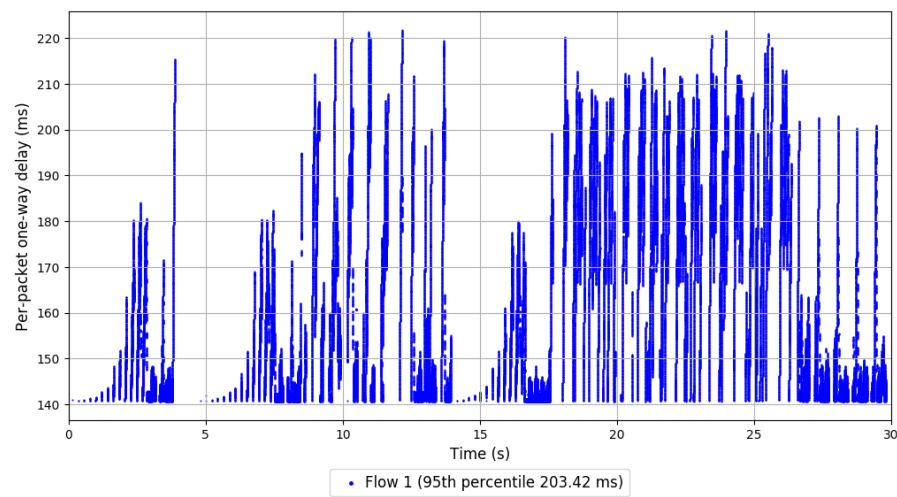
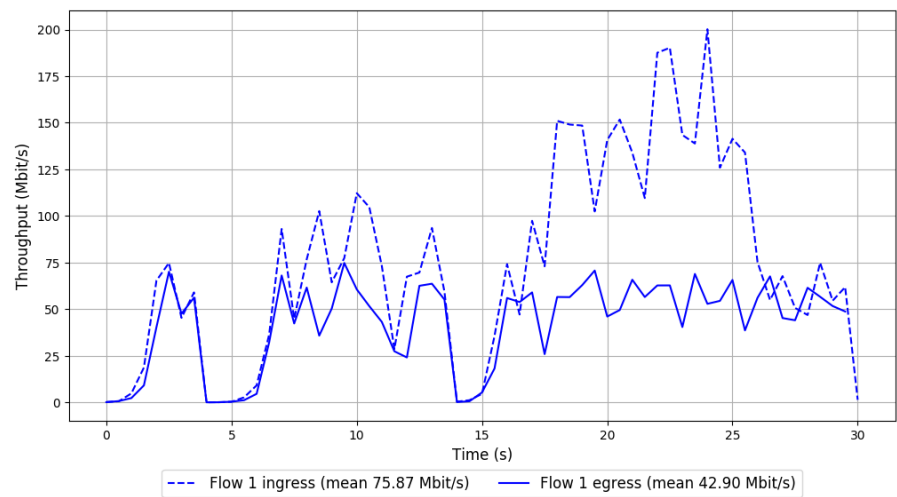
Average throughput: 42.90 Mbit/s

95th percentile per-packet one-way delay: 203.417 ms

Loss rate: 44.10%



Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Mon, 17 Jul 2017 00:32:21 +0000

End at: Mon, 17 Jul 2017 00:32:51 +0000

Local clock offset: -0.036 ms

Remote clock offset: 1.764 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:47 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 27.75 Mbit/s

95th percentile per-packet one-way delay: 183.220 ms

Loss rate: 11.03%

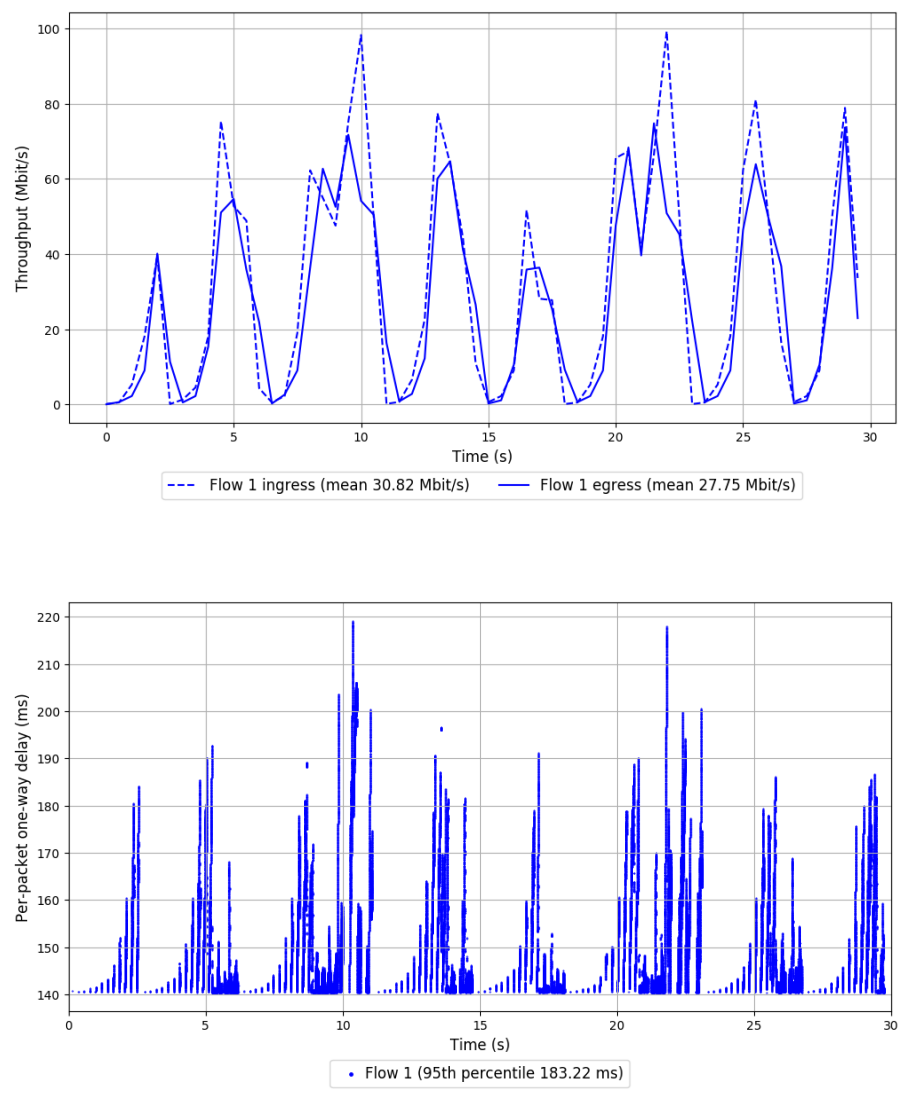
-- Flow 1:

Average throughput: 27.75 Mbit/s

95th percentile per-packet one-way delay: 183.220 ms

Loss rate: 11.03%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Mon, 17 Jul 2017 00:50:35 +0000

End at: Mon, 17 Jul 2017 00:51:05 +0000

Local clock offset: 1.124 ms

Remote clock offset: 1.351 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:55 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 37.60 Mbit/s

95th percentile per-packet one-way delay: 205.615 ms

Loss rate: 54.93%

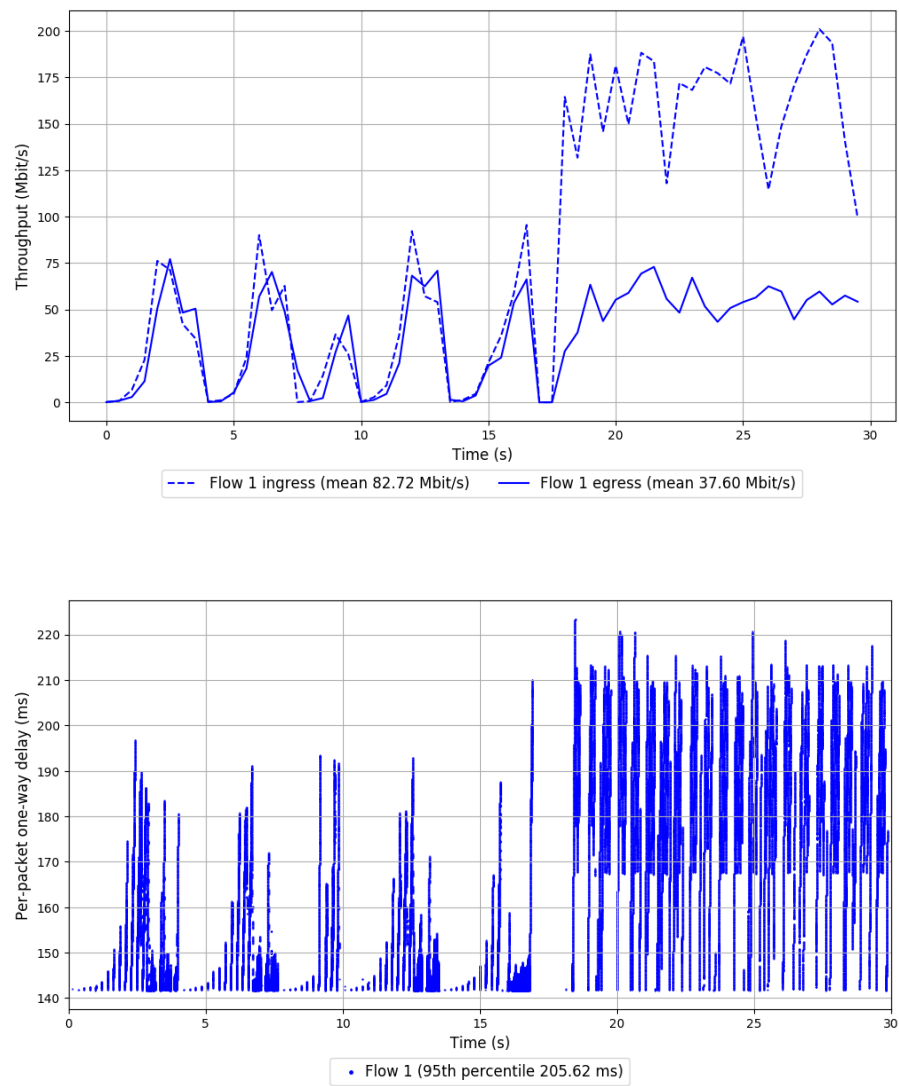
-- Flow 1:

Average throughput: 37.60 Mbit/s

95th percentile per-packet one-way delay: 205.615 ms

Loss rate: 54.93%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Mon, 17 Jul 2017 01:08:54 +0000

End at: Mon, 17 Jul 2017 01:09:24 +0000

Local clock offset: -0.124 ms

Remote clock offset: 1.513 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:55 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 34.32 Mbit/s

95th percentile per-packet one-way delay: 194.565 ms

Loss rate: 24.39%

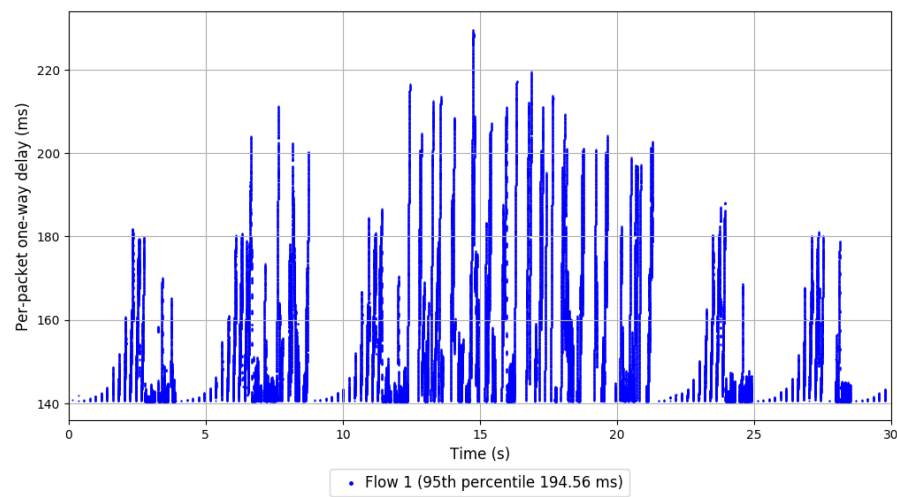
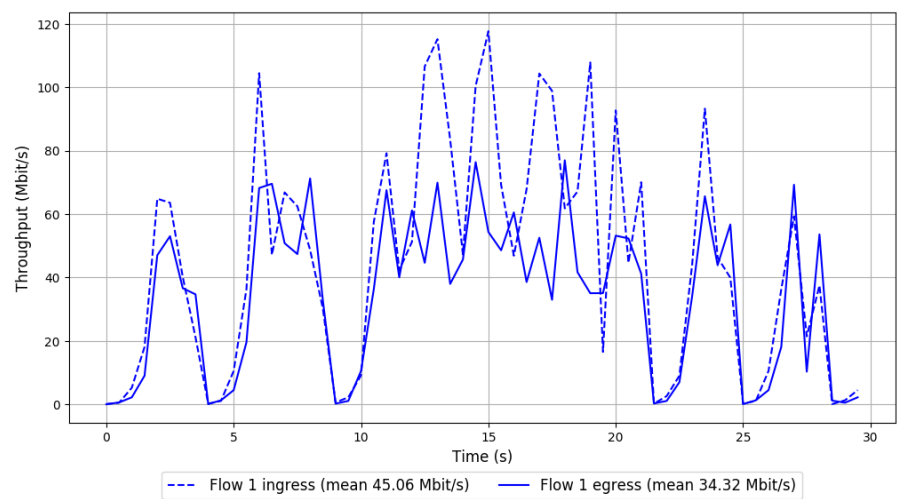
-- Flow 1:

Average throughput: 34.32 Mbit/s

95th percentile per-packet one-way delay: 194.565 ms

Loss rate: 24.39%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 22:19:45 +0000

End at: Sun, 16 Jul 2017 22:20:15 +0000

Local clock offset: -0.779 ms

Remote clock offset: -0.241 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:55 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 140.831 ms

Loss rate: 0.71%

-- Flow 1:

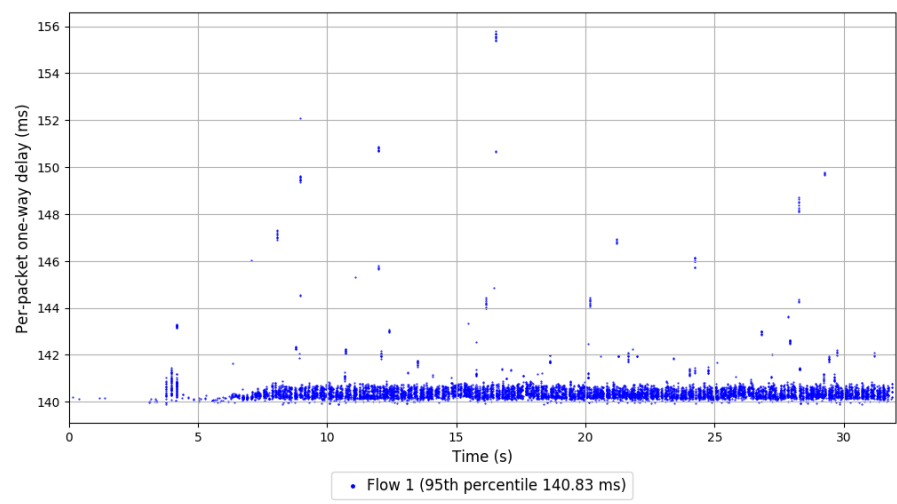
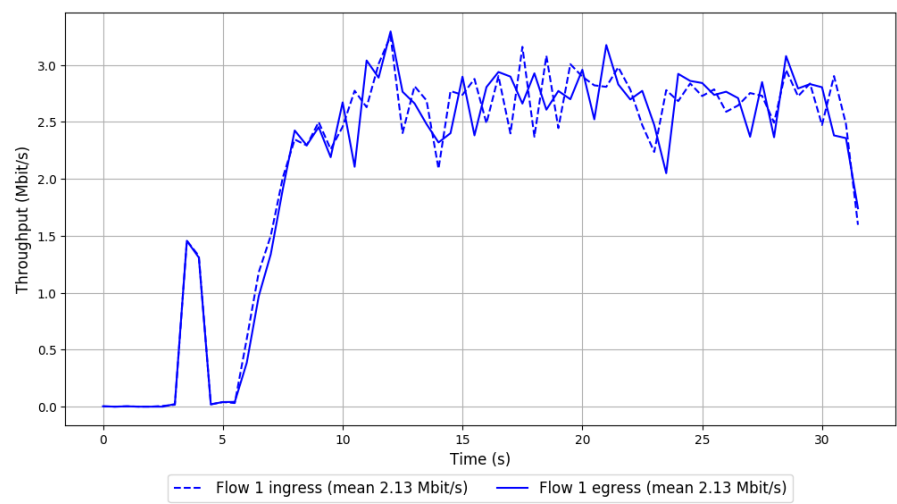
Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 140.831 ms

Loss rate: 0.71%



Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

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

End at: Sun, 16 Jul 2017 22:38:40 +0000

Local clock offset: -0.447 ms

Remote clock offset: -0.339 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:55 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 141.134 ms

Loss rate: 0.59%

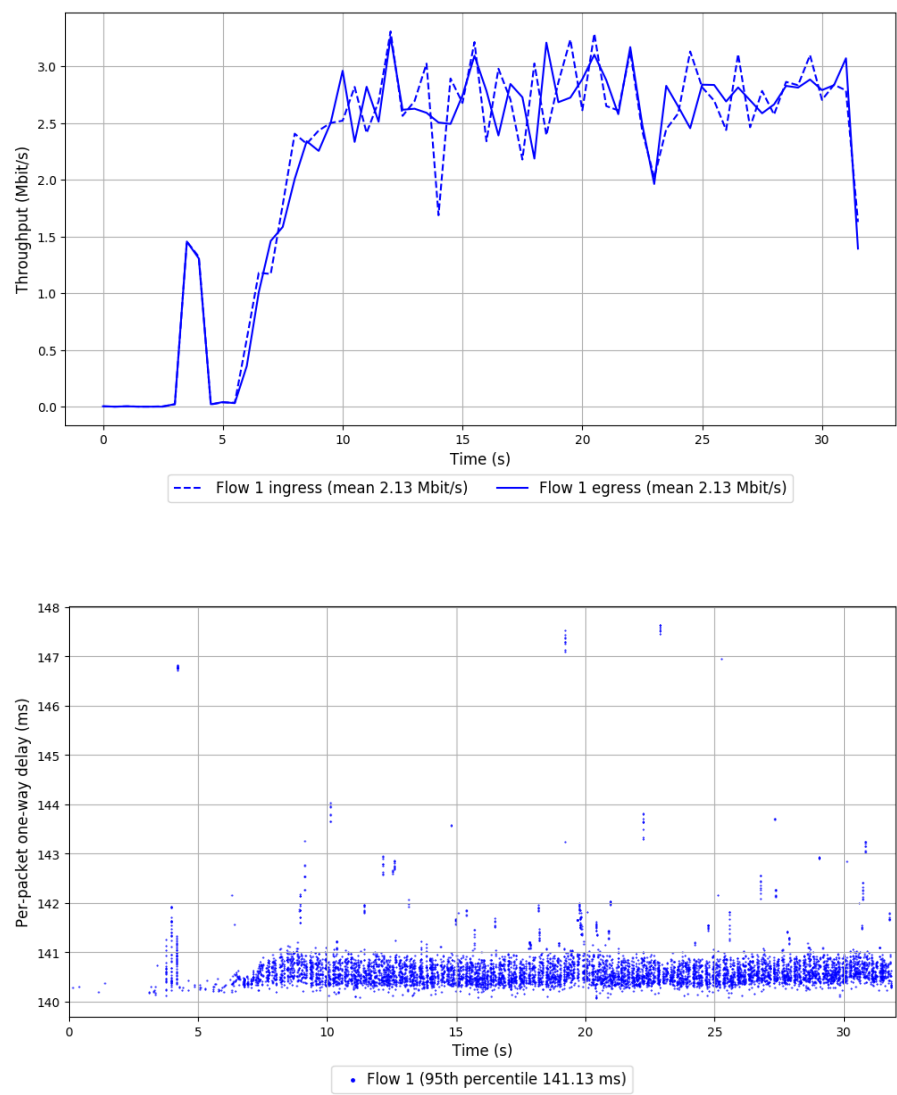
-- Flow 1:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 141.134 ms

Loss rate: 0.59%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 22:56:30 +0000

End at: Sun, 16 Jul 2017 22:57:00 +0000

Local clock offset: -0.337 ms

Remote clock offset: -0.426 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:56 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 141.529 ms

Loss rate: 0.57%

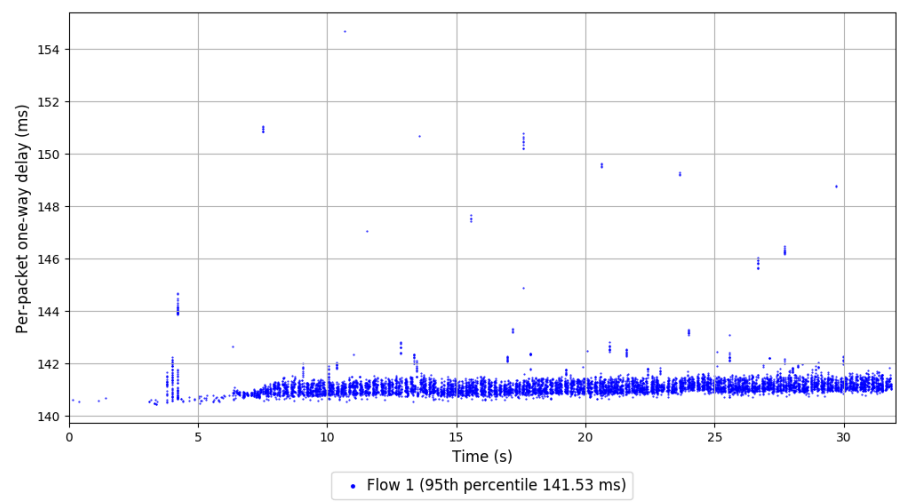
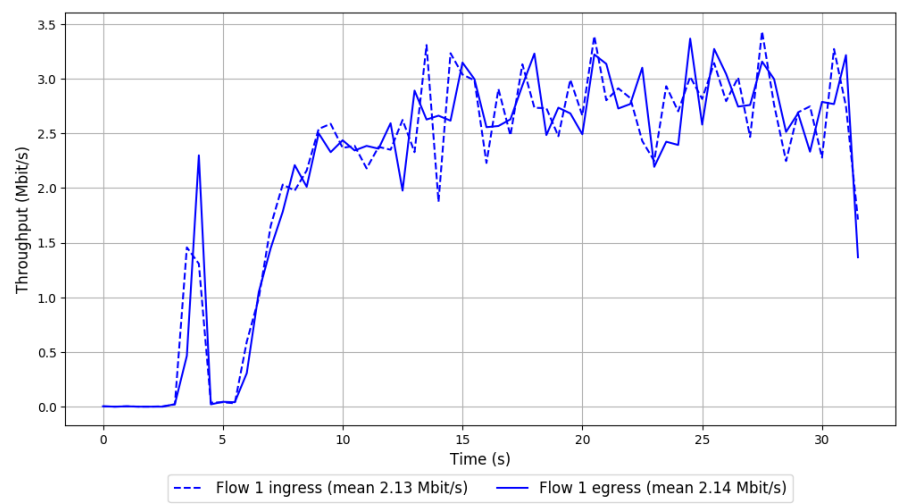
-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 141.529 ms

Loss rate: 0.57%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 23:14:55 +0000

End at: Sun, 16 Jul 2017 23:15:25 +0000

Local clock offset: -0.167 ms

Remote clock offset: 1.697 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:56 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 141.251 ms

Loss rate: 0.67%

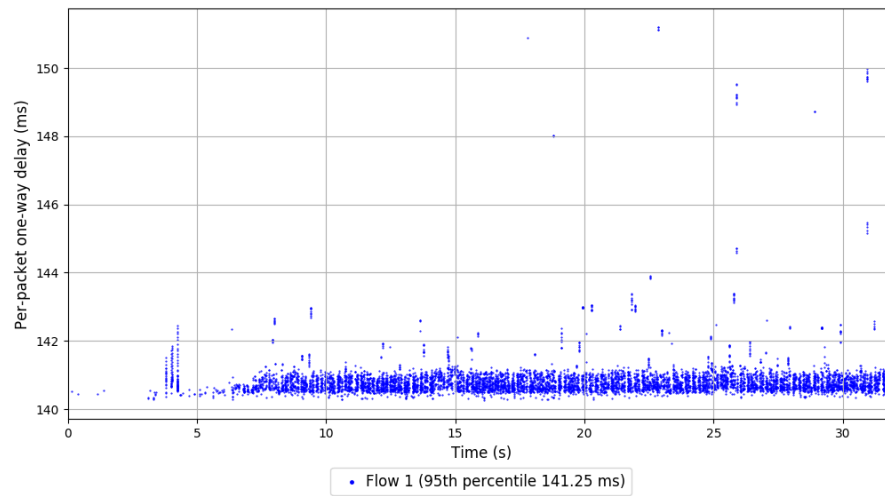
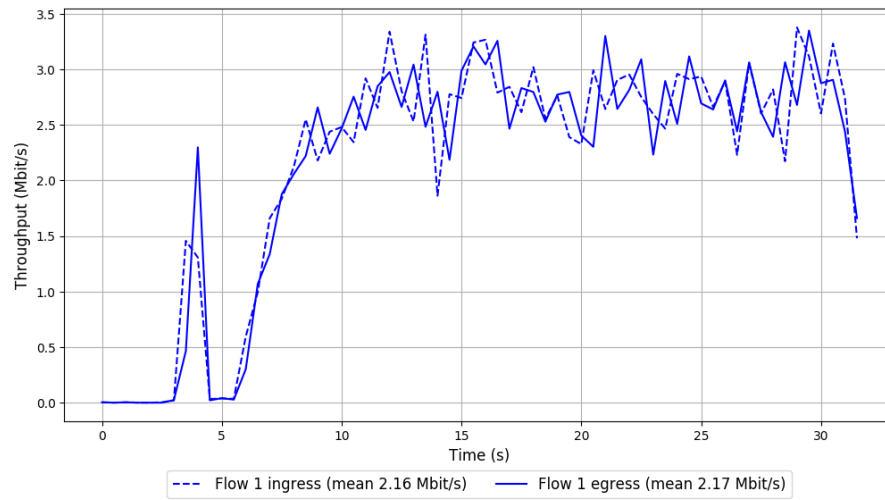
-- Flow 1:

Average throughput: 2.17 Mbit/s

95th percentile per-packet one-way delay: 141.251 ms

Loss rate: 0.67%

#### Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 23:33:21 +0000

End at: Sun, 16 Jul 2017 23:33:51 +0000

Local clock offset: -0.023 ms

Remote clock offset: 1.262 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:58 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 141.071 ms

Loss rate: 1.16%

-- Flow 1:

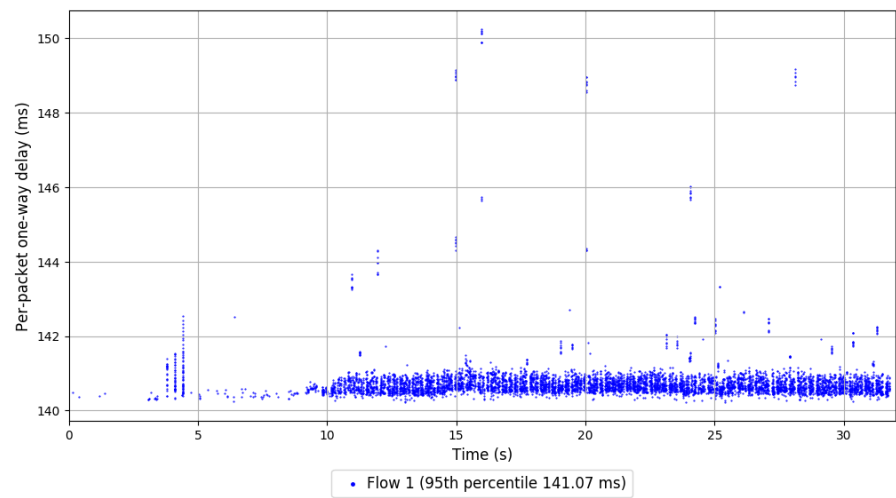
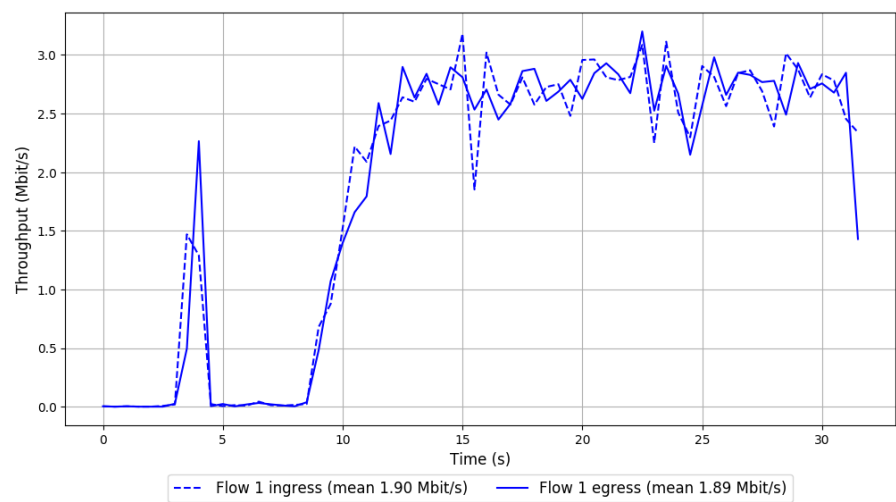
Average throughput: 1.89 Mbit/s

95th percentile per-packet one-way delay: 141.071 ms

Loss rate: 1.16%



Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Sun, 16 Jul 2017 23:51:55 +0000

End at: Sun, 16 Jul 2017 23:52:25 +0000

Local clock offset: -0.031 ms

Remote clock offset: 0.757 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:58 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 141.291 ms

Loss rate: 0.61%

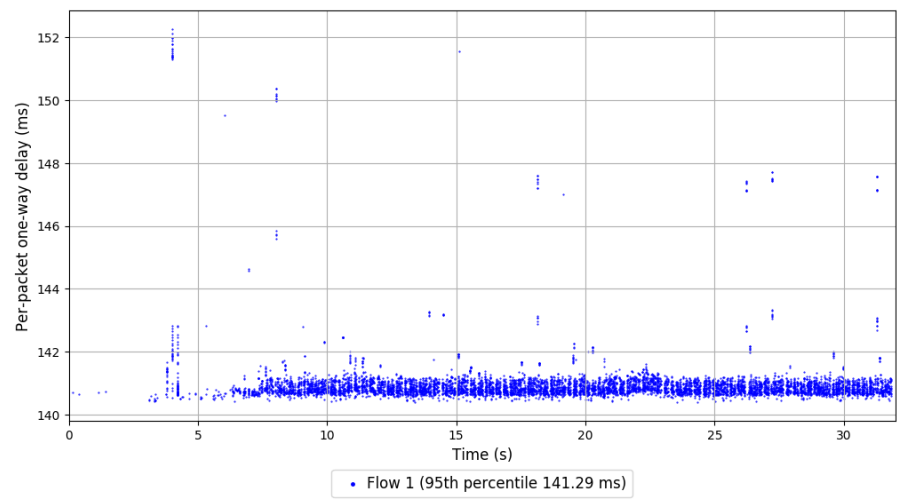
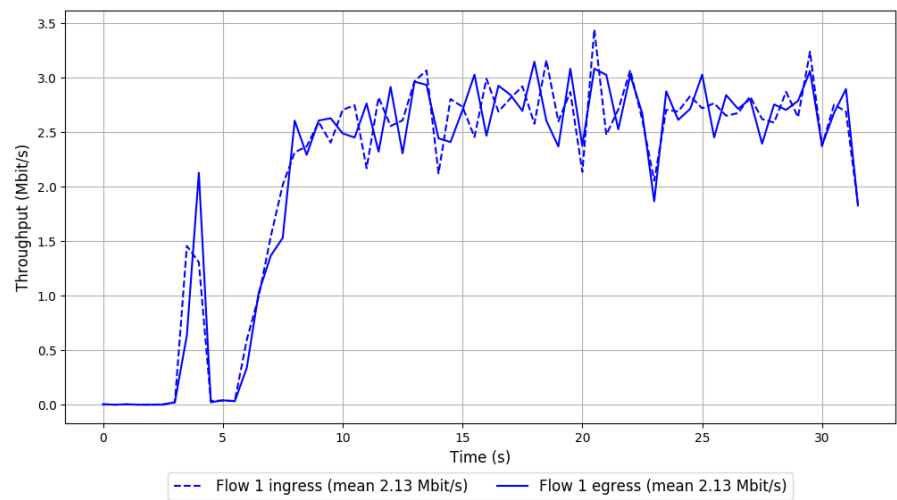
-- Flow 1:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 141.291 ms

Loss rate: 0.61%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Mon, 17 Jul 2017 00:10:29 +0000

End at: Mon, 17 Jul 2017 00:10:59 +0000

Local clock offset: -0.165 ms

Remote clock offset: 1.392 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:59 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 140.923 ms

Loss rate: 0.76%

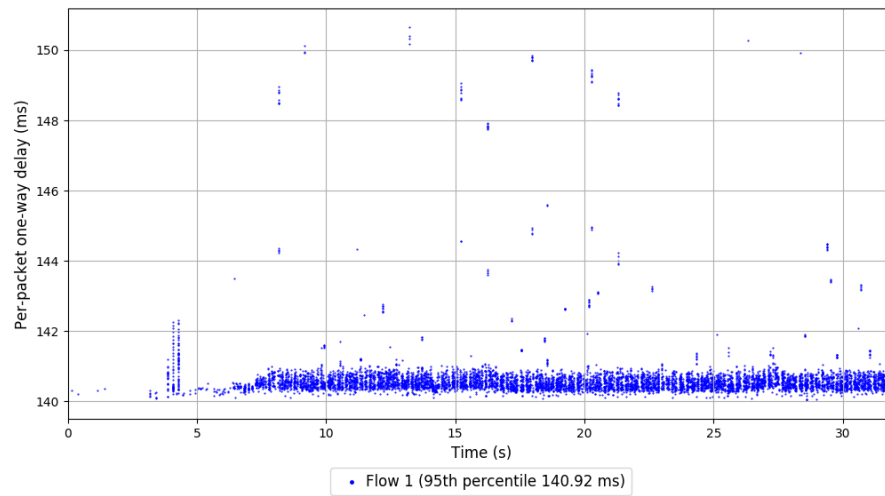
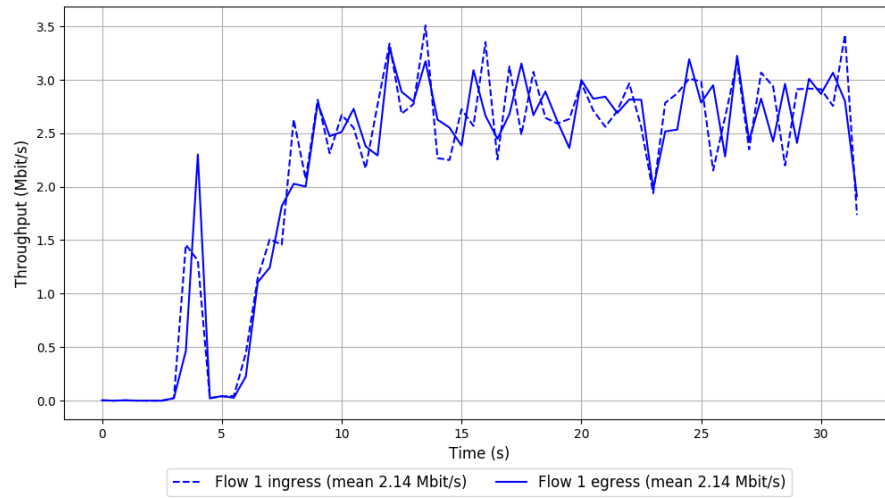
-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 140.923 ms

Loss rate: 0.76%

## Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Mon, 17 Jul 2017 00:28:40 +0000

End at: Mon, 17 Jul 2017 00:29:10 +0000

Local clock offset: 1.179 ms

Remote clock offset: 1.757 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:40:59 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 142.345 ms

Loss rate: 0.67%

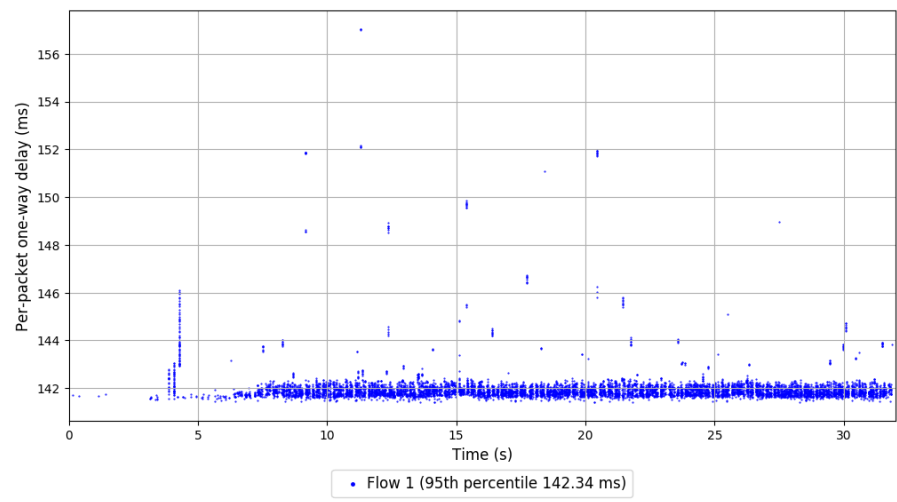
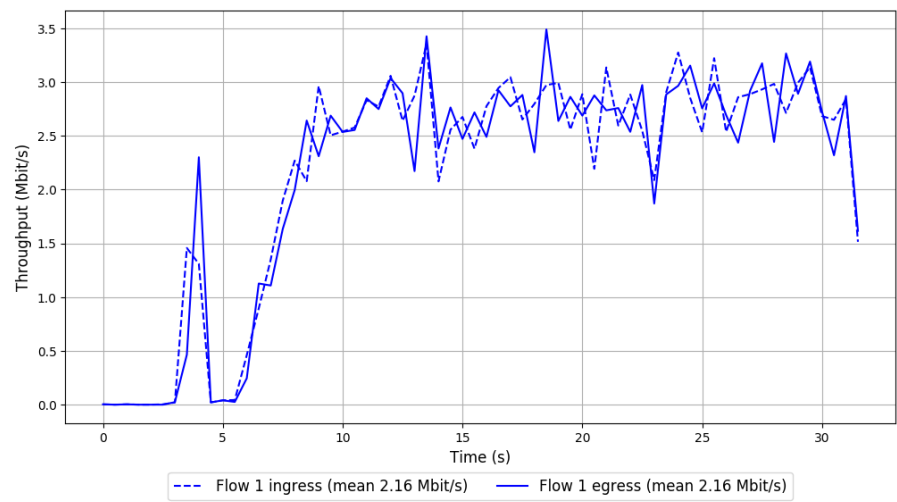
-- Flow 1:

Average throughput: 2.16 Mbit/s

95th percentile per-packet one-way delay: 142.345 ms

Loss rate: 0.67%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Mon, 17 Jul 2017 00:46:55 +0000

End at: Mon, 17 Jul 2017 00:47:25 +0000

Local clock offset: 1.212 ms

Remote clock offset: 1.436 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:41:00 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 142.481 ms

Loss rate: 0.53%

-- Flow 1:

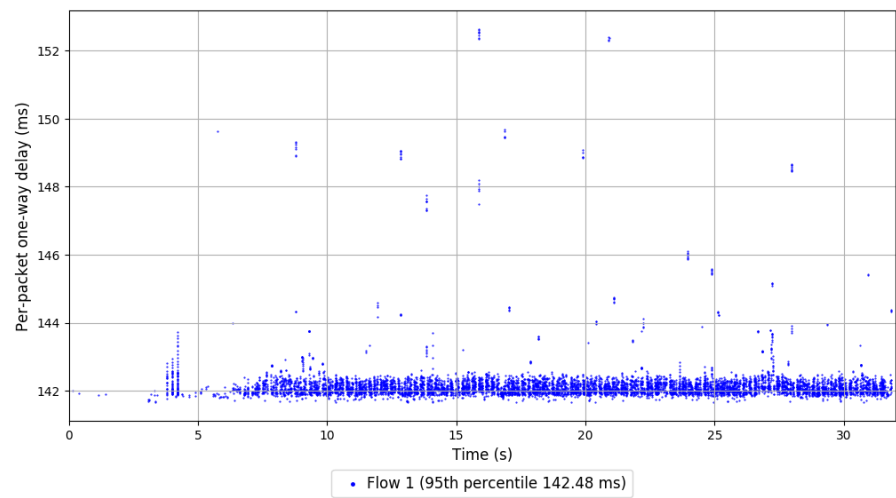
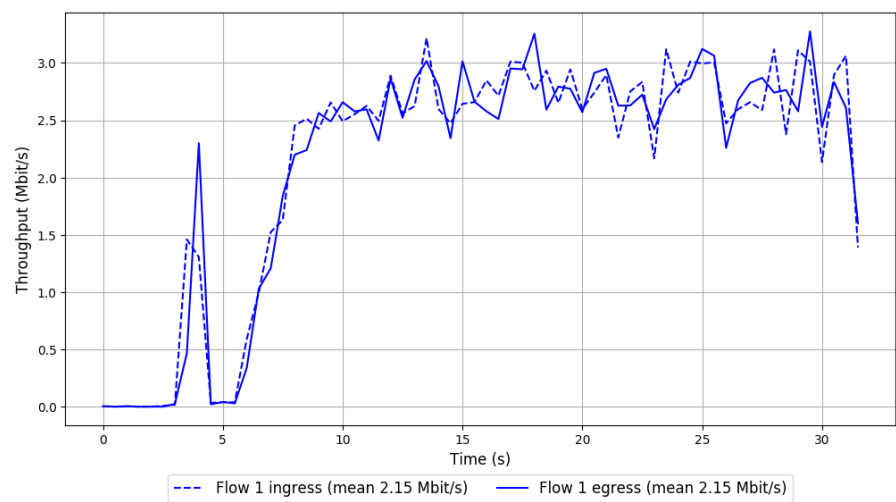
Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 142.481 ms

Loss rate: 0.53%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Mon, 17 Jul 2017 01:05:13 +0000

End at: Mon, 17 Jul 2017 01:05:43 +0000

Local clock offset: -0.1 ms

Remote clock offset: 1.439 ms

# Below is generated by plot.py at Mon, 17 Jul 2017 01:41:01 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 141.127 ms

Loss rate: 0.53%

-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 141.127 ms

Loss rate: 0.53%

Run 10: Report of WebRTC media — Data Link

