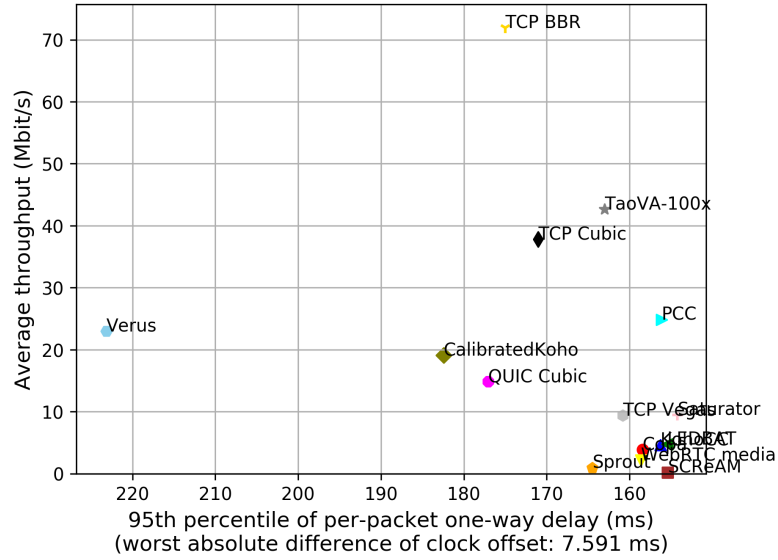


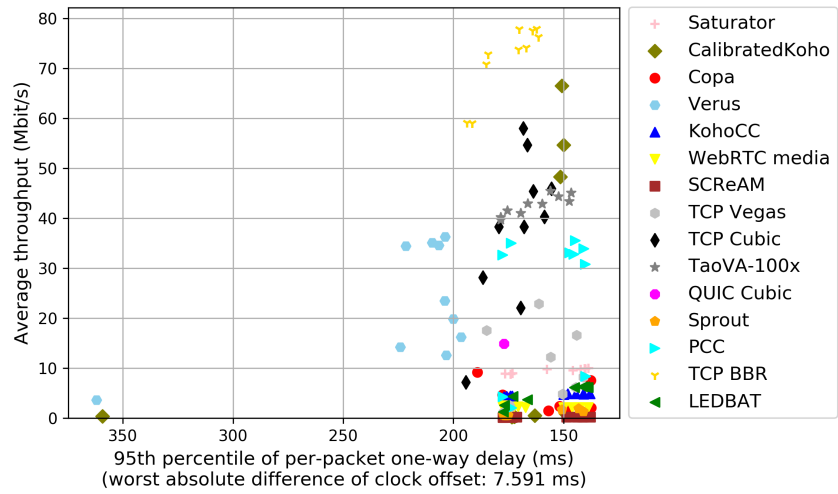
**Pantheon Summary** (Generated at Sun, 09 Jul 2017 09:23:44 +0000 with  
pantheon version c3610718e2bbac84102e8ac47b889a75d4392d79)  
Repeated the test of 15 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 1 flow.  
Data path **from** China Ethernet **to** AWS Korea Ethernet.  
NTP offset measured against ntp.nict.jp.

```
git branch: master @ c3610718e2bbac84102e8ac47b889a75d4392d79
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 @ c792f8e8e0704b1646a0e024766675d8e9a835f1
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-quick @ 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	71.92	174.99	1.30
CalibratedKoho	10	19.09	182.44	1.31
Copa	10	3.86	158.43	0.66
TCP Cubic	10	37.80	171.03	1.17
KohoCC	10	4.64	156.27	0.90
LEDBAT	10	4.74	155.43	1.61
PCC	10	24.85	156.13	1.20
QUIC Cubic	10	14.84	177.08	0.28
Saturator	10	9.48	154.23	0.94
SCReAM	10	0.18	155.38	0.80
Sprout	10	0.95	164.47	0.78
TaoVA-100x	10	42.63	163.02	1.45
TCP Vegas	10	9.41	160.79	0.74
Verus	10	23.01	223.16	38.91
WebRTC media	10	2.17	158.59	0.85

Run 1: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 06:12:49 +0000

End at: Sun, 09 Jul 2017 06:13:19 +0000

Local clock offset: 3.233 ms

Remote clock offset: -0.195 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:19:22 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.87 Mbit/s

95th percentile per-packet one-way delay: 170.160 ms

Loss rate: 1.13%

-- Flow 1:

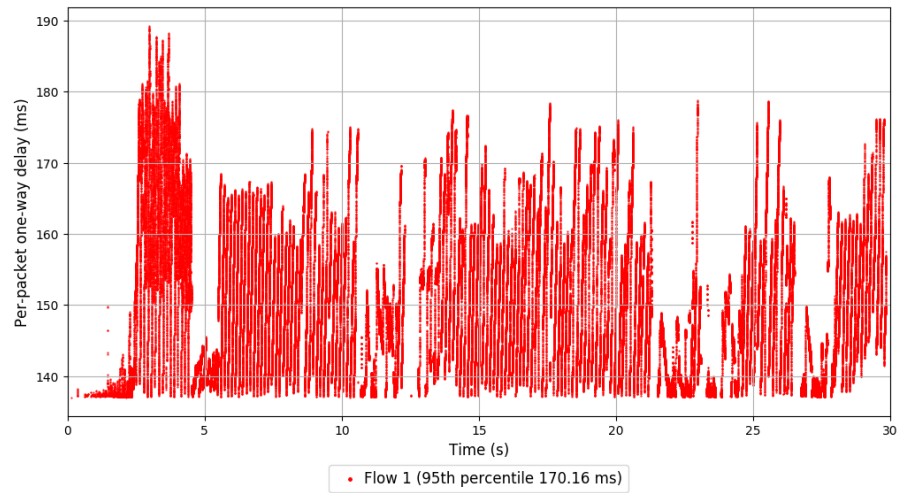
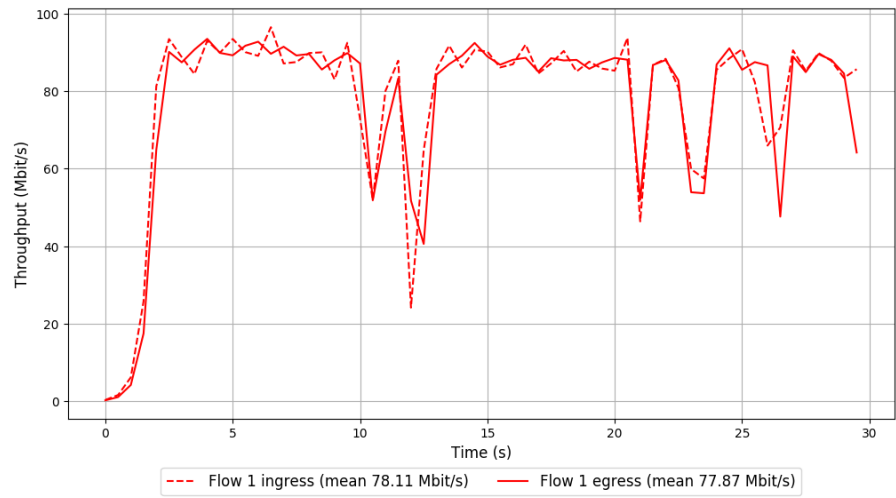
Average throughput: 77.87 Mbit/s

95th percentile per-packet one-way delay: 170.160 ms

Loss rate: 1.13%



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



Run 2: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 06:31:07 +0000

End at: Sun, 09 Jul 2017 06:31:37 +0000

Local clock offset: 3.502 ms

Remote clock offset: -0.221 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:19:23 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.52 Mbit/s

95th percentile per-packet one-way delay: 164.046 ms

Loss rate: 1.03%

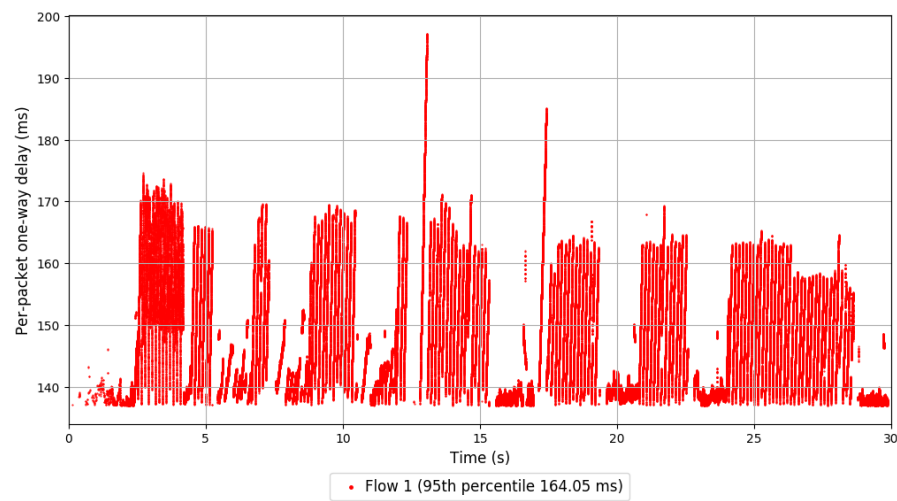
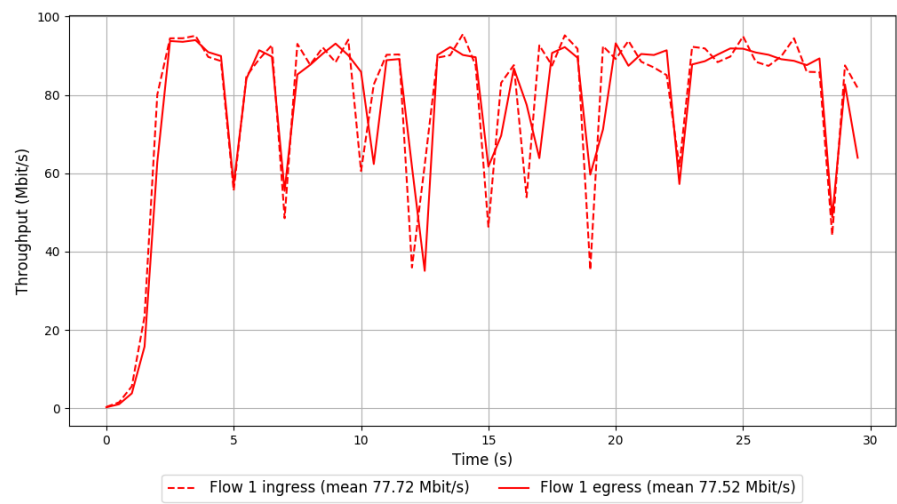
-- Flow 1:

Average throughput: 77.52 Mbit/s

95th percentile per-packet one-way delay: 164.046 ms

Loss rate: 1.03%

Run 2: Report of TCP BBR — Data Link



Run 3: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 06:49:47 +0000

End at: Sun, 09 Jul 2017 06:50:17 +0000

Local clock offset: 3.734 ms

Remote clock offset: -0.15 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:19:28 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.05 Mbit/s

95th percentile per-packet one-way delay: 193.747 ms

Loss rate: 1.50%

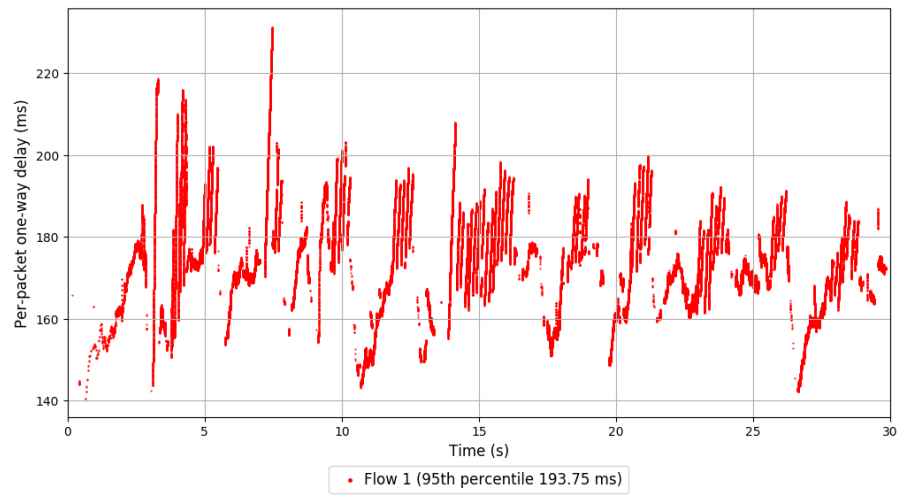
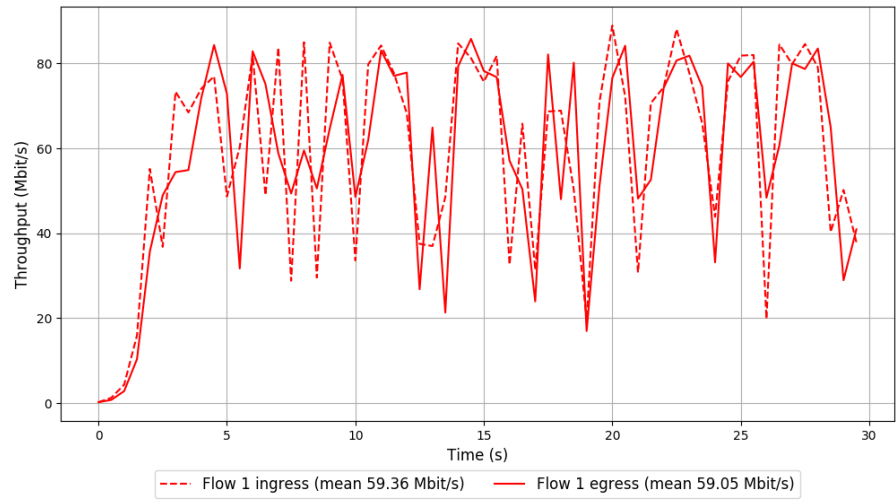
-- Flow 1:

Average throughput: 59.05 Mbit/s

95th percentile per-packet one-way delay: 193.747 ms

Loss rate: 1.50%

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



Run 4: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 07:09:29 +0000

End at: Sun, 09 Jul 2017 07:09:59 +0000

Local clock offset: 4.188 ms

Remote clock offset: -0.391 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:19:32 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 72.81 Mbit/s

95th percentile per-packet one-way delay: 184.309 ms

Loss rate: 1.16%

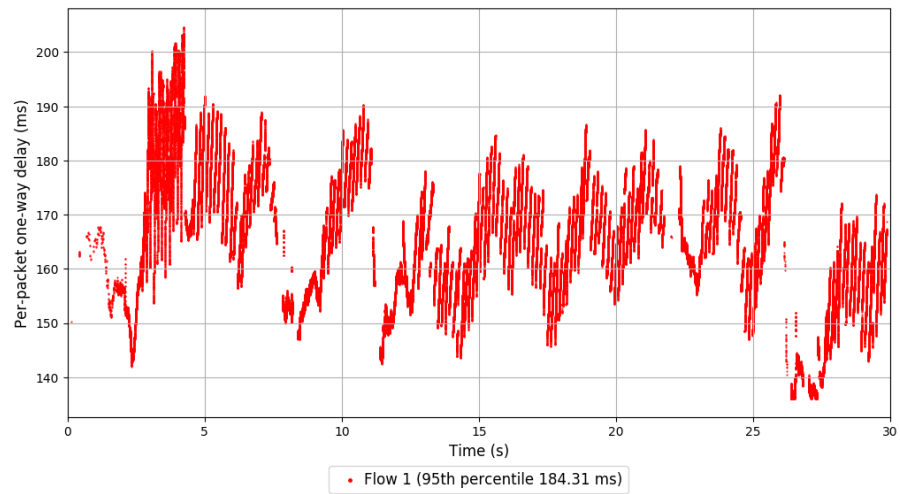
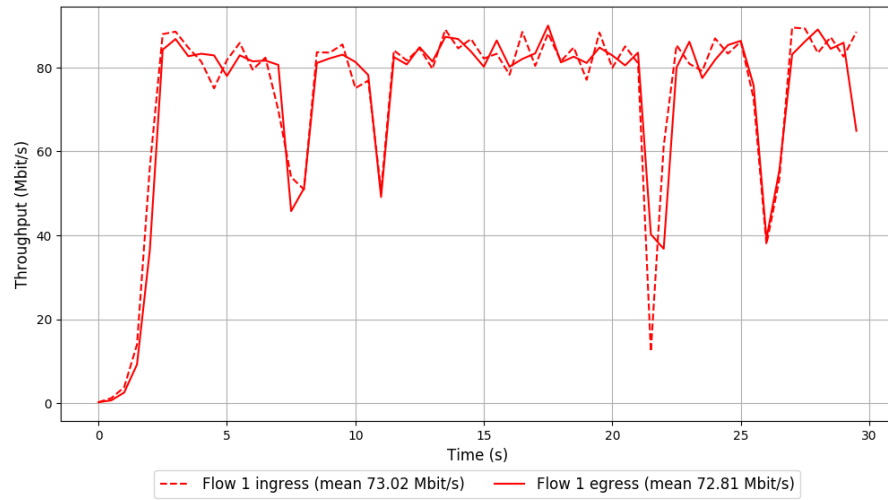
-- Flow 1:

Average throughput: 72.81 Mbit/s

95th percentile per-packet one-way delay: 184.309 ms

Loss rate: 1.16%

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



Run 5: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 07:27:44 +0000

End at: Sun, 09 Jul 2017 07:28:14 +0000

Local clock offset: 5.732 ms

Remote clock offset: -0.512 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:19:41 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.79 Mbit/s

95th percentile per-packet one-way delay: 170.523 ms

Loss rate: 1.11%

-- Flow 1:

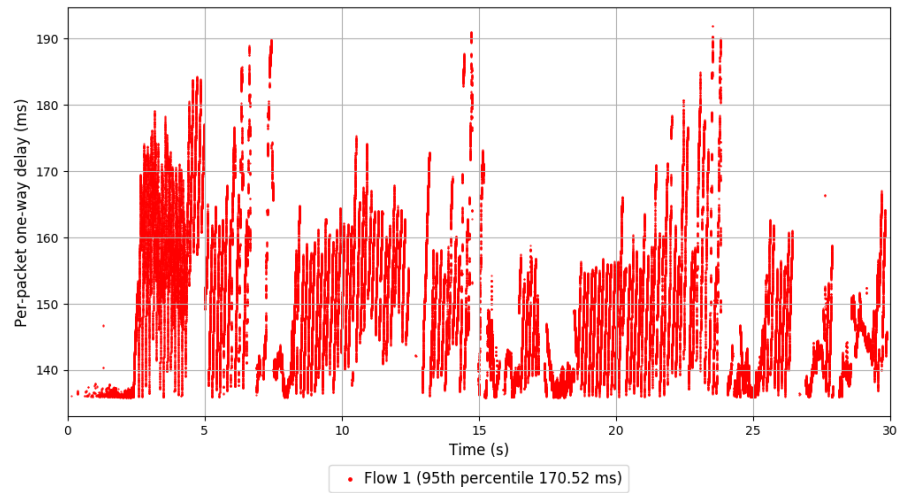
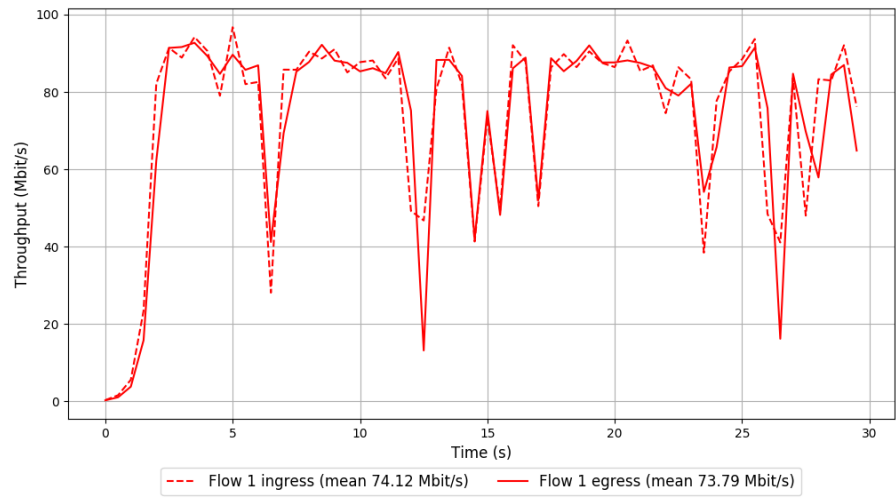
Average throughput: 73.79 Mbit/s

95th percentile per-packet one-way delay: 170.523 ms

Loss rate: 1.11%



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



Run 6: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 07:46:23 +0000

End at: Sun, 09 Jul 2017 07:46:53 +0000

Local clock offset: 4.317 ms

Remote clock offset: -0.478 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:19:42 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.81 Mbit/s

95th percentile per-packet one-way delay: 185.086 ms

Loss rate: 1.10%

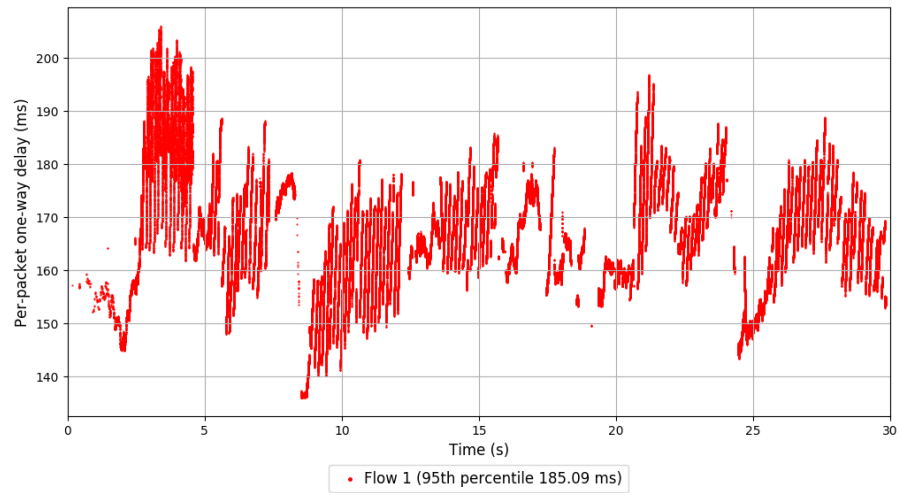
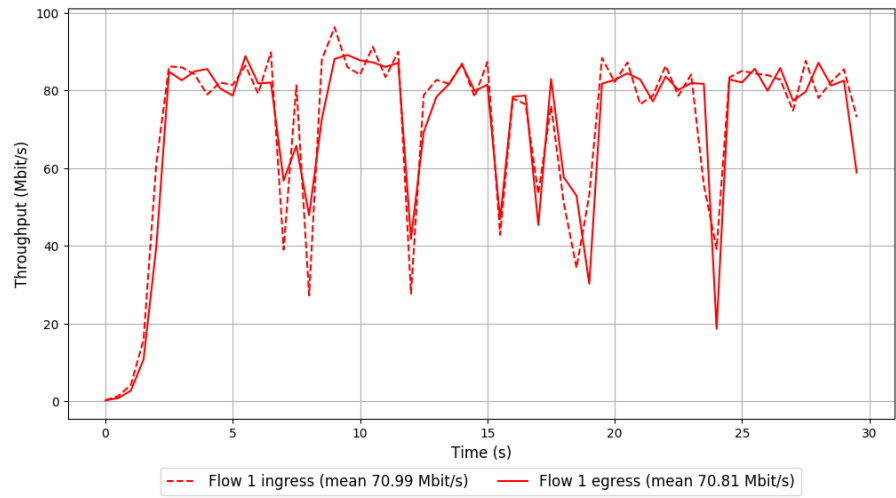
-- Flow 1:

Average throughput: 70.81 Mbit/s

95th percentile per-packet one-way delay: 185.086 ms

Loss rate: 1.10%

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



Run 7: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 08:04:38 +0000

End at: Sun, 09 Jul 2017 08:05:08 +0000

Local clock offset: 5.458 ms

Remote clock offset: -0.444 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:19:51 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 74.12 Mbit/s

95th percentile per-packet one-way delay: 166.950 ms

Loss rate: 1.34%

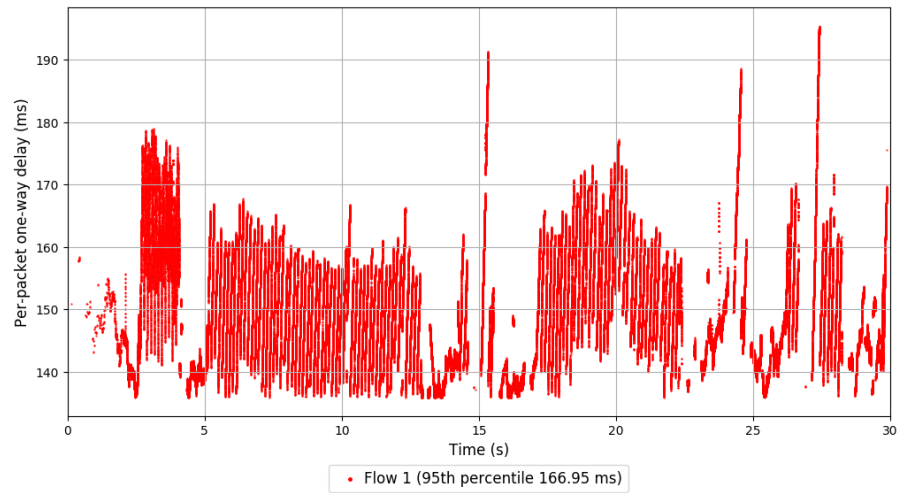
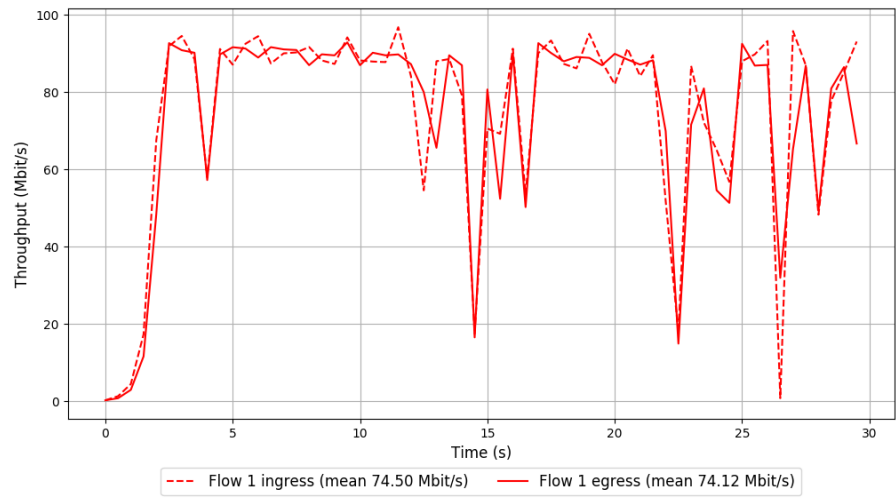
-- Flow 1:

Average throughput: 74.12 Mbit/s

95th percentile per-packet one-way delay: 166.950 ms

Loss rate: 1.34%

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



Run 8: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 08:23:02 +0000

End at: Sun, 09 Jul 2017 08:23:32 +0000

Local clock offset: 6.049 ms

Remote clock offset: -0.266 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:19:52 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.91 Mbit/s

95th percentile per-packet one-way delay: 162.271 ms

Loss rate: 1.16%

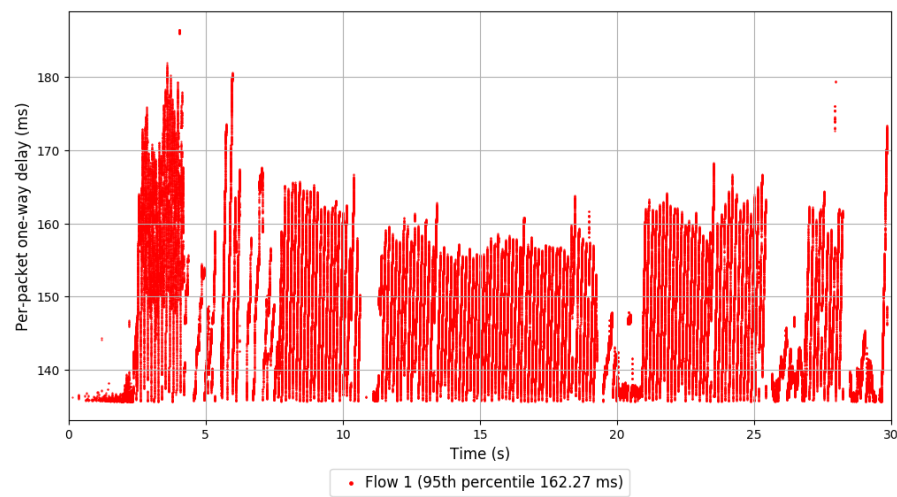
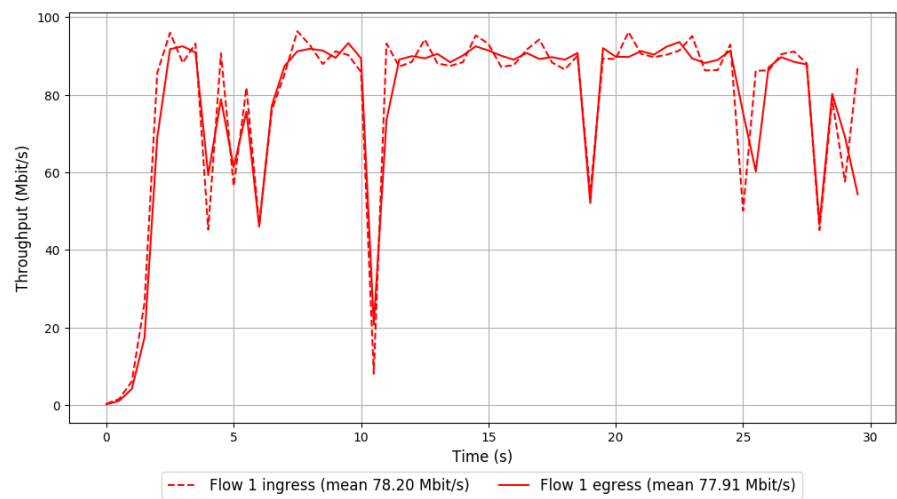
-- Flow 1:

Average throughput: 77.91 Mbit/s

95th percentile per-packet one-way delay: 162.271 ms

Loss rate: 1.16%

Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 08:42:18 +0000

End at: Sun, 09 Jul 2017 08:42:48 +0000

Local clock offset: 5.833 ms

Remote clock offset: -0.187 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:19:57 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.03 Mbit/s

95th percentile per-packet one-way delay: 191.479 ms

Loss rate: 2.12%

-- Flow 1:

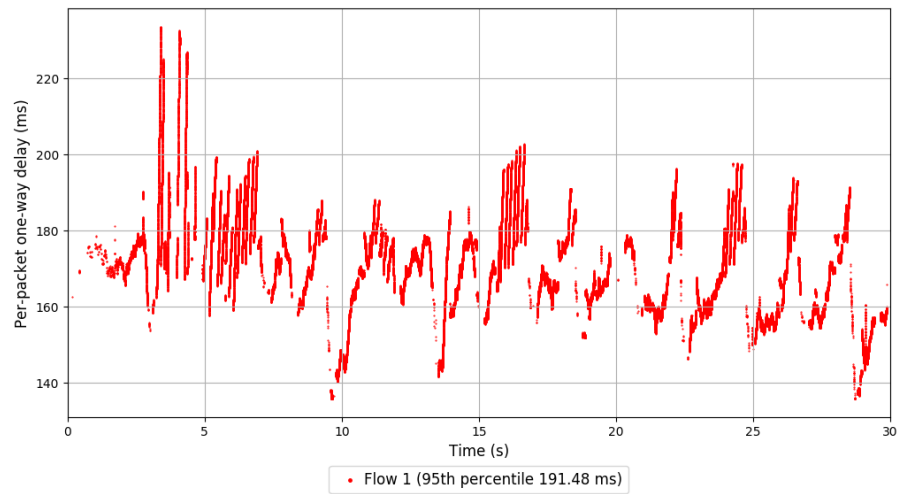
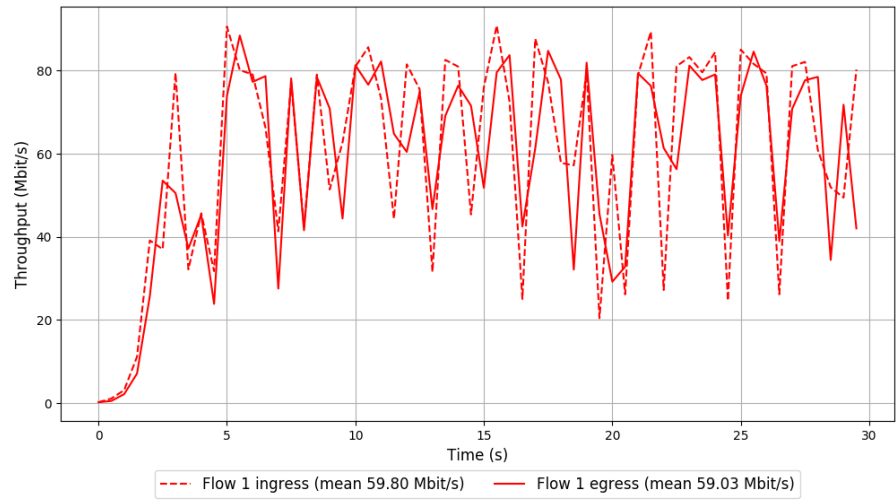
Average throughput: 59.03 Mbit/s

95th percentile per-packet one-way delay: 191.479 ms

Loss rate: 2.12%



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



Run 10: Statistics of TCP BBR

Start at: Sun, 09 Jul 2017 09:01:30 +0000

End at: Sun, 09 Jul 2017 09:02:00 +0000

Local clock offset: 4.67 ms

Remote clock offset: 0.015 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:02 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.31 Mbit/s

95th percentile per-packet one-way delay: 161.375 ms

Loss rate: 1.31%

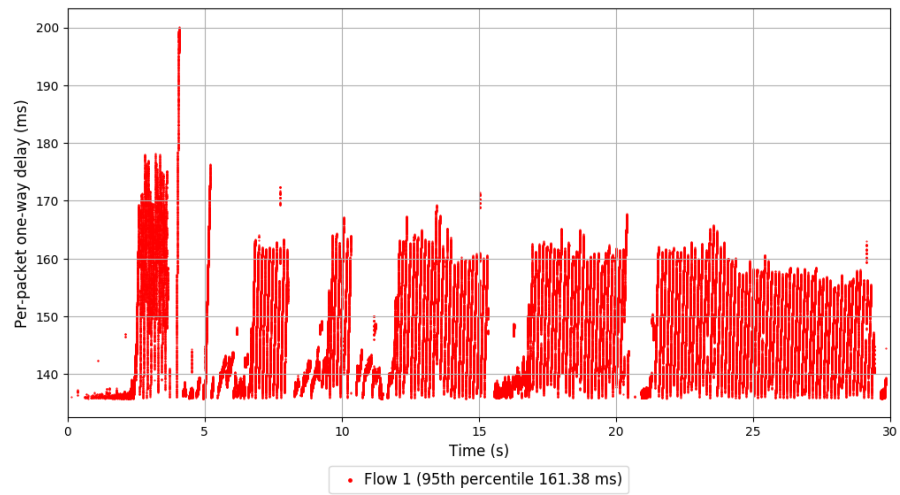
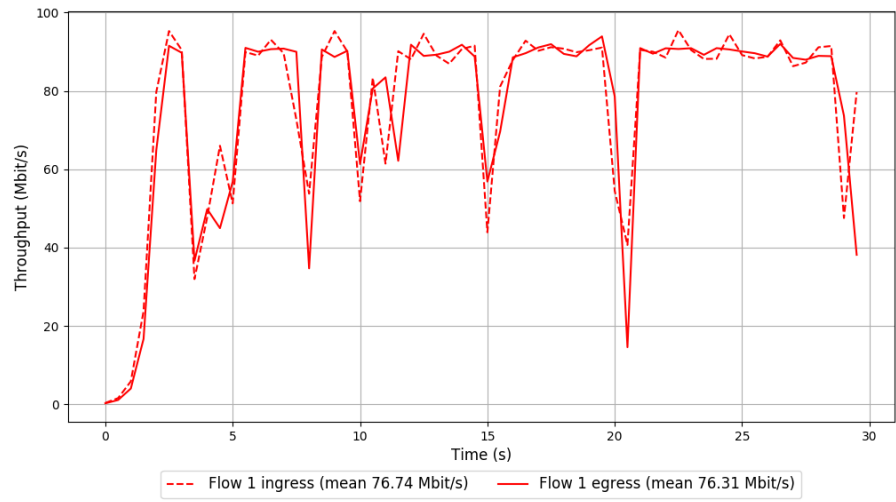
-- Flow 1:

Average throughput: 76.31 Mbit/s

95th percentile per-packet one-way delay: 161.375 ms

Loss rate: 1.31%

# Run 10: Report of TCP BBR — Data Link



Run 1: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 06:01:52 +0000

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

Local clock offset: 3.204 ms

Remote clock offset: -0.02 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:02 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 173.548 ms

Loss rate: 0.77%

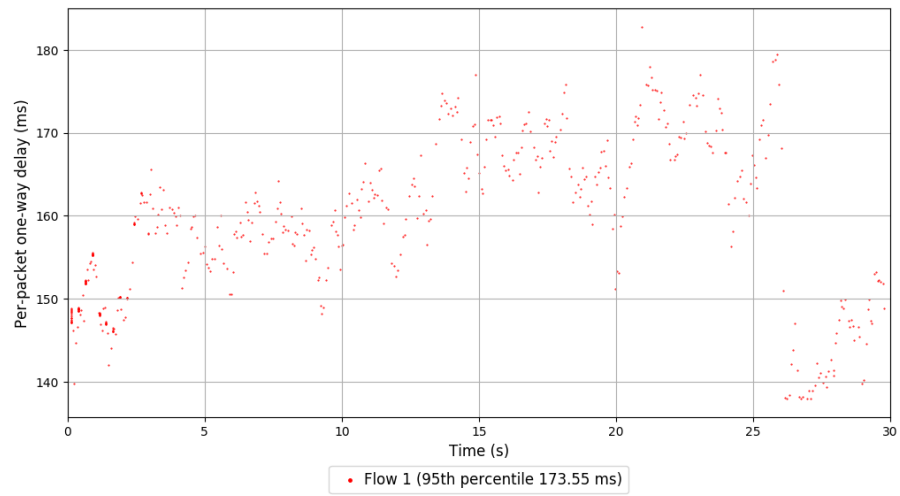
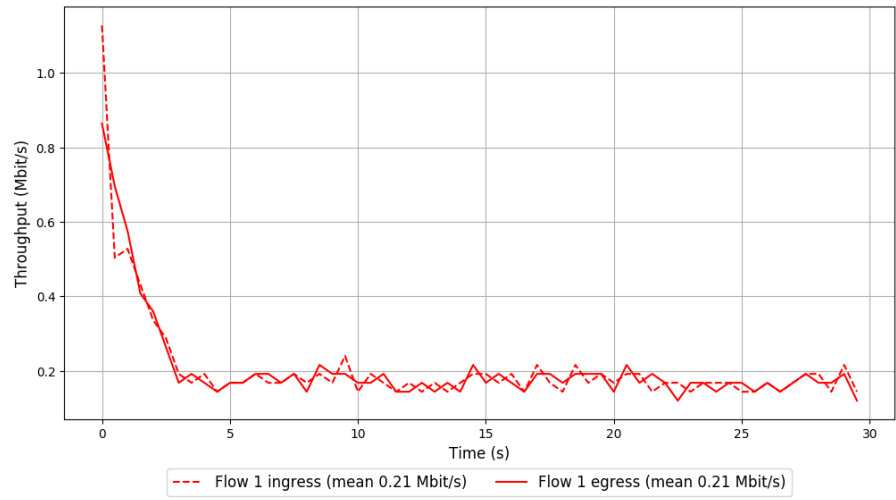
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 173.548 ms

Loss rate: 0.77%

# Run 1: Report of CalibratedKoho — Data Link



Run 2: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 06:20:08 +0000

End at: Sun, 09 Jul 2017 06:20:38 +0000

Local clock offset: 3.438 ms

Remote clock offset: -0.186 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:09 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 66.49 Mbit/s

95th percentile per-packet one-way delay: 150.864 ms

Loss rate: 1.33%

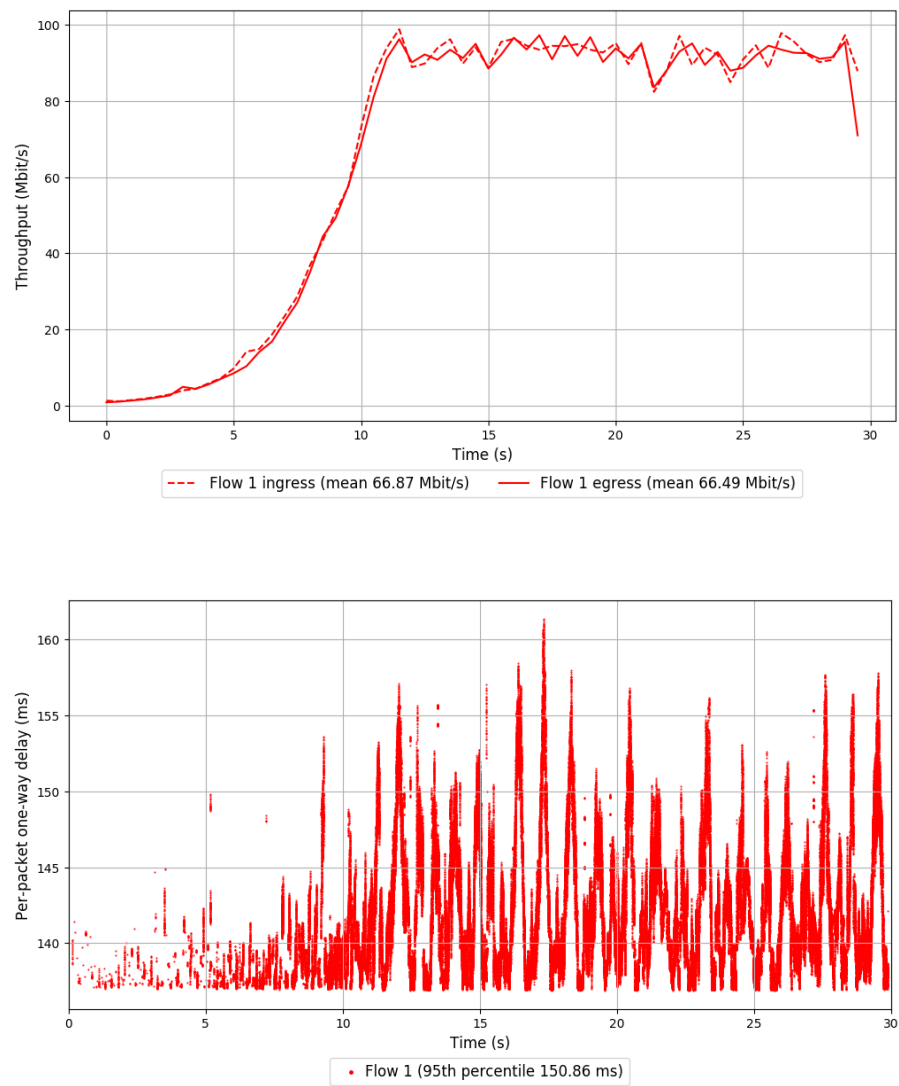
-- Flow 1:

Average throughput: 66.49 Mbit/s

95th percentile per-packet one-way delay: 150.864 ms

Loss rate: 1.33%

Run 2: Report of CalibratedKoho — Data Link



Run 3: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 06:38:46 +0000

End at: Sun, 09 Jul 2017 06:39:16 +0000

Local clock offset: 4.602 ms

Remote clock offset: -0.177 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:09 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.82 Mbit/s

95th percentile per-packet one-way delay: 148.910 ms

Loss rate: 4.47%

-- Flow 1:

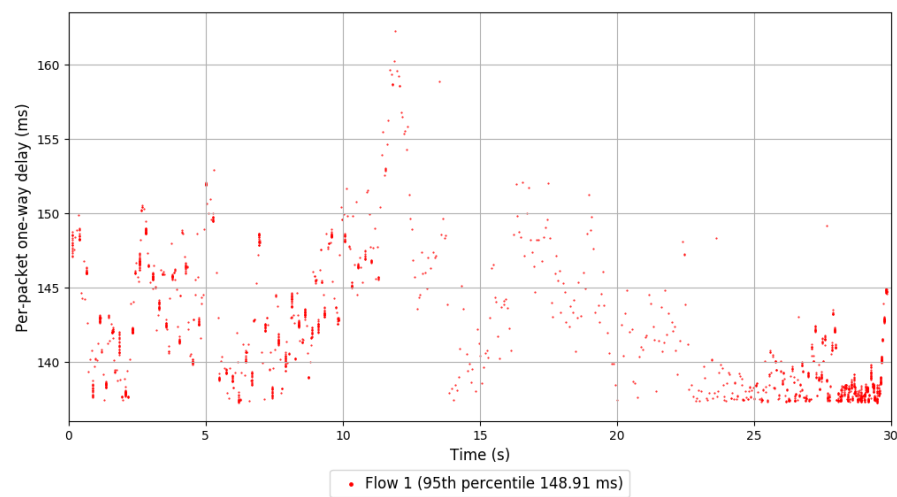
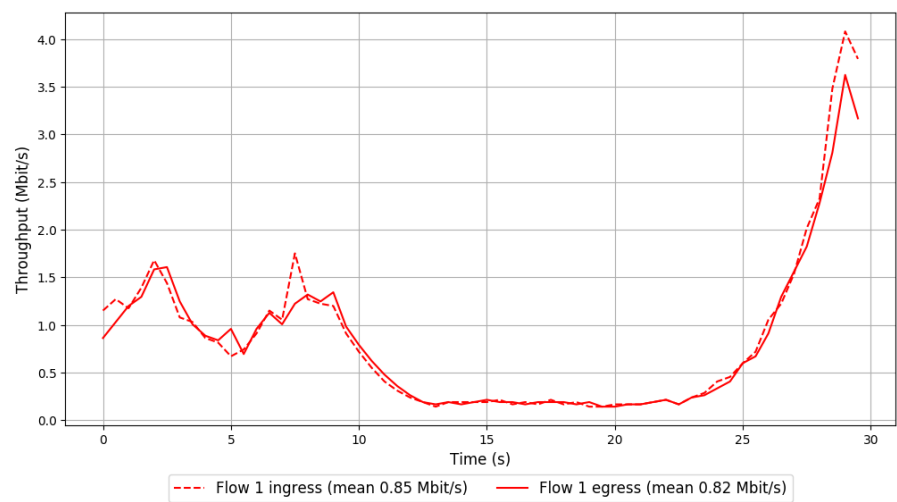
Average throughput: 0.82 Mbit/s

95th percentile per-packet one-way delay: 148.910 ms

Loss rate: 4.47%



Run 3: Report of CalibratedKoho — Data Link



Run 4: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 06:58:28 +0000

End at: Sun, 09 Jul 2017 06:58:58 +0000

Local clock offset: 5.226 ms

Remote clock offset: -0.271 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:09 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 172.265 ms

Loss rate: 0.57%

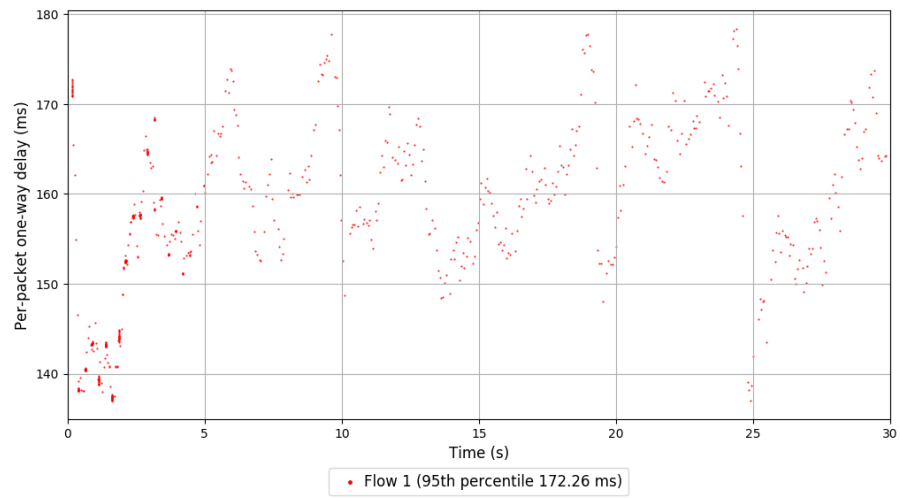
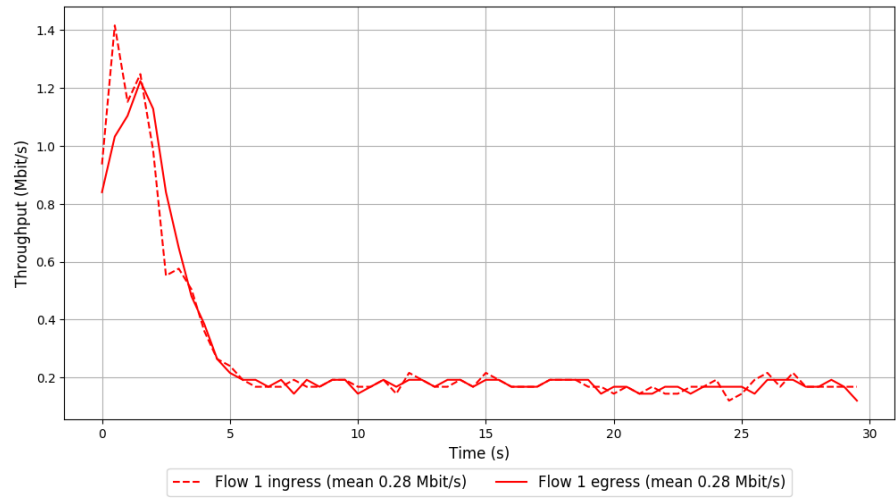
-- Flow 1:

Average throughput: 0.28 Mbit/s

95th percentile per-packet one-way delay: 172.265 ms

Loss rate: 0.57%

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



Run 5: Statistics of CalibratedKoho

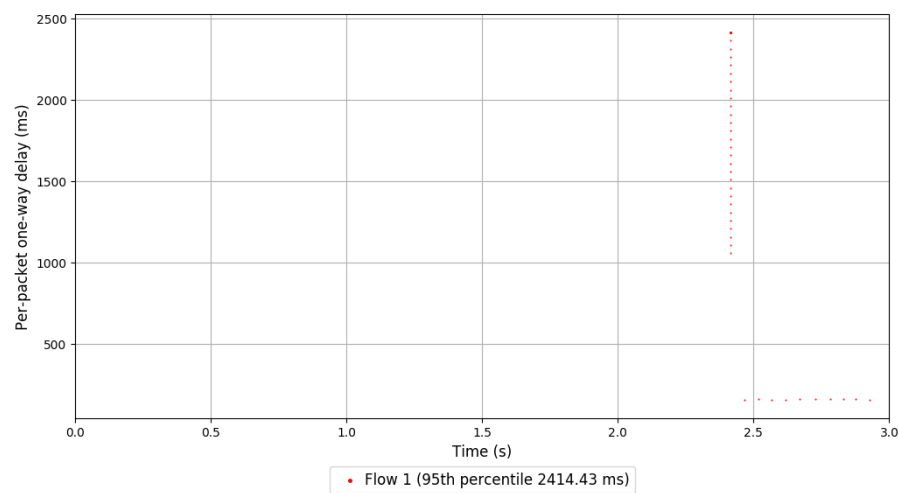
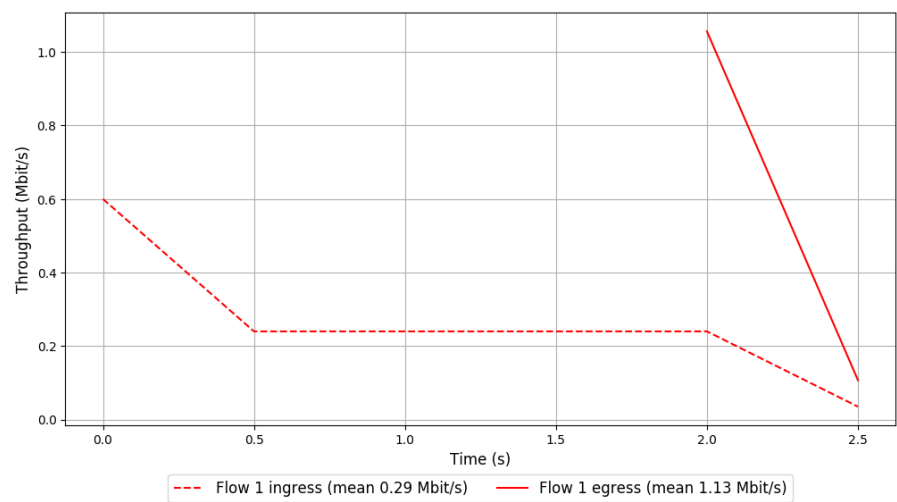
Start at: Sun, 09 Jul 2017 07:16:51 +0000

End at: Sun, 09 Jul 2017 07:17:21 +0000

Local clock offset: 5.341 ms

Remote clock offset: -0.444 ms

Run 5: Report of CalibratedKoho — Data Link



Run 6: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 07:35:17 +0000

End at: Sun, 09 Jul 2017 07:35:47 +0000

Local clock offset: 4.267 ms

Remote clock offset: -0.483 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:09 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 172.586 ms

Loss rate: 0.45%

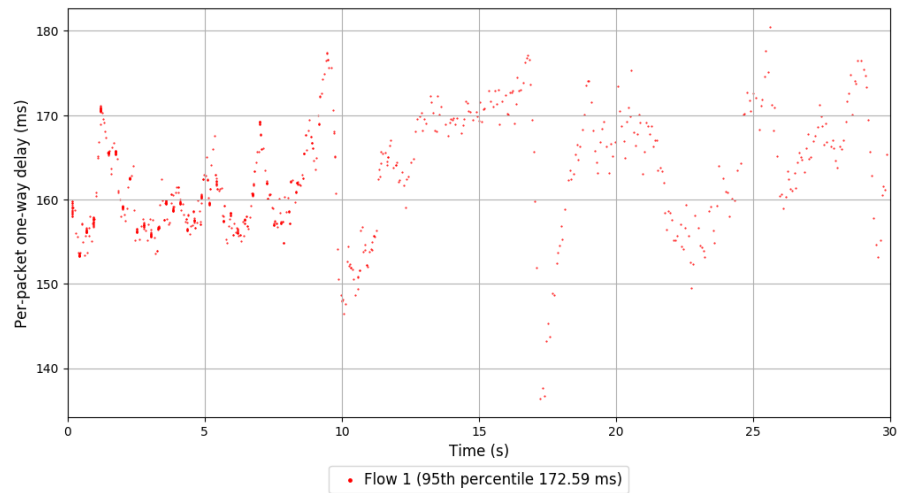
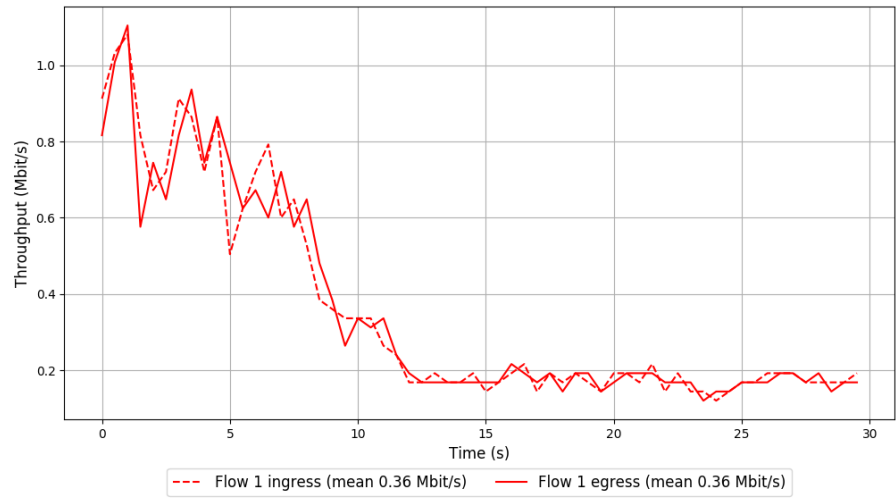
-- Flow 1:

Average throughput: 0.36 Mbit/s

95th percentile per-packet one-way delay: 172.586 ms

Loss rate: 0.45%

## Run 6: Report of CalibratedKoho — Data Link



Run 7: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 07:53:44 +0000

End at: Sun, 09 Jul 2017 07:54:14 +0000

Local clock offset: 4.226 ms

Remote clock offset: -0.42 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:13 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 54.63 Mbit/s

95th percentile per-packet one-way delay: 150.010 ms

Loss rate: 1.15%

-- Flow 1:

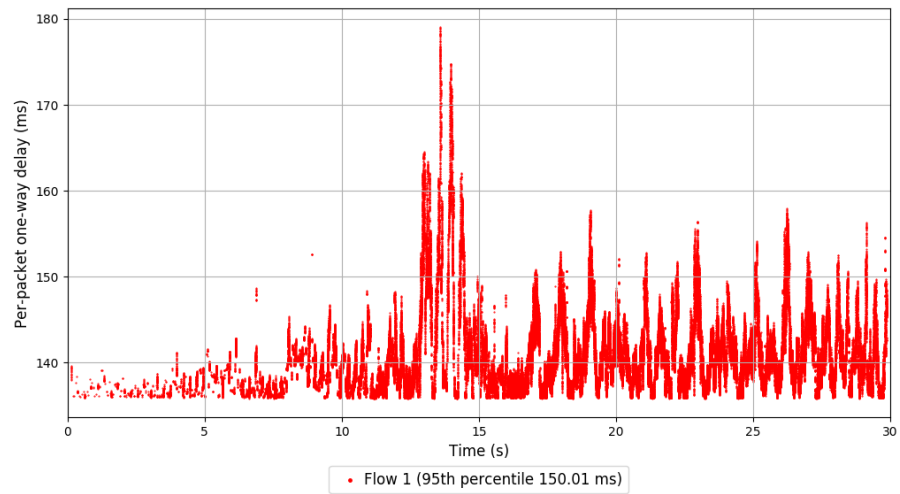
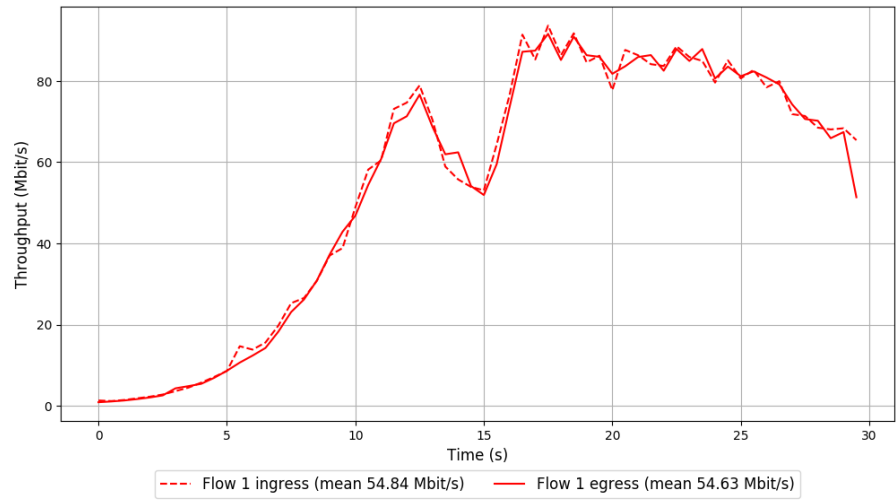
Average throughput: 54.63 Mbit/s

95th percentile per-packet one-way delay: 150.010 ms

Loss rate: 1.15%



## Run 7: Report of CalibratedKoho — Data Link



Run 8: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 08:11:58 +0000

End at: Sun, 09 Jul 2017 08:12:28 +0000

Local clock offset: 4.435 ms

Remote clock offset: -0.394 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:19 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 48.27 Mbit/s

95th percentile per-packet one-way delay: 151.528 ms

Loss rate: 1.61%

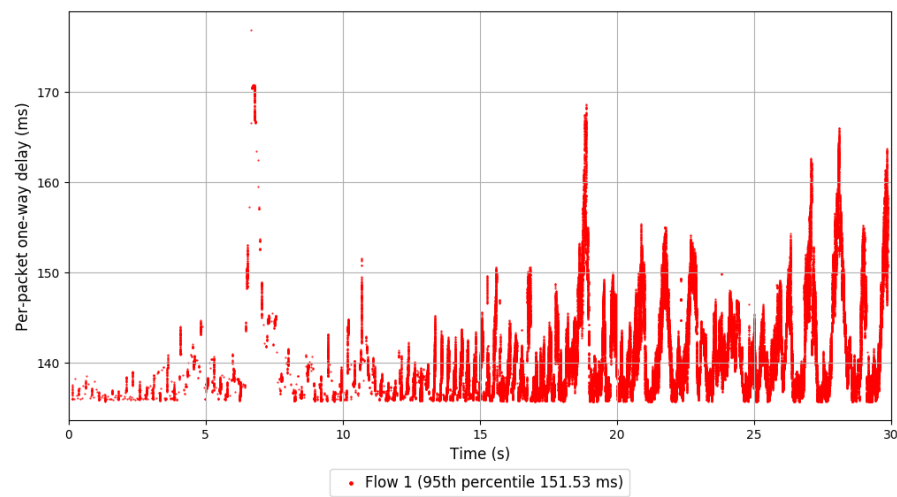
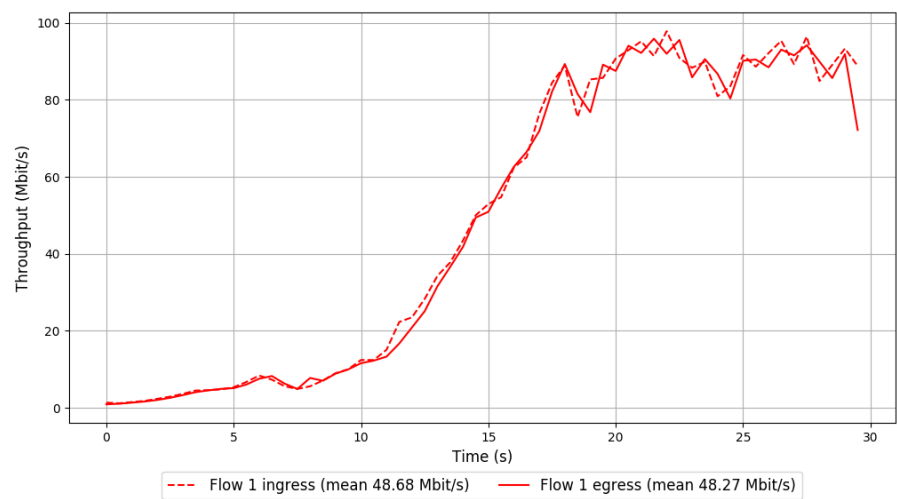
-- Flow 1:

Average throughput: 48.27 Mbit/s

95th percentile per-packet one-way delay: 151.528 ms

Loss rate: 1.61%

Run 8: Report of CalibratedKoho — Data Link



Run 9: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 08:30:23 +0000

End at: Sun, 09 Jul 2017 08:30:53 +0000

Local clock offset: 5.767 ms

Remote clock offset: -0.315 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:19 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 359.280 ms

Loss rate: 1.04%

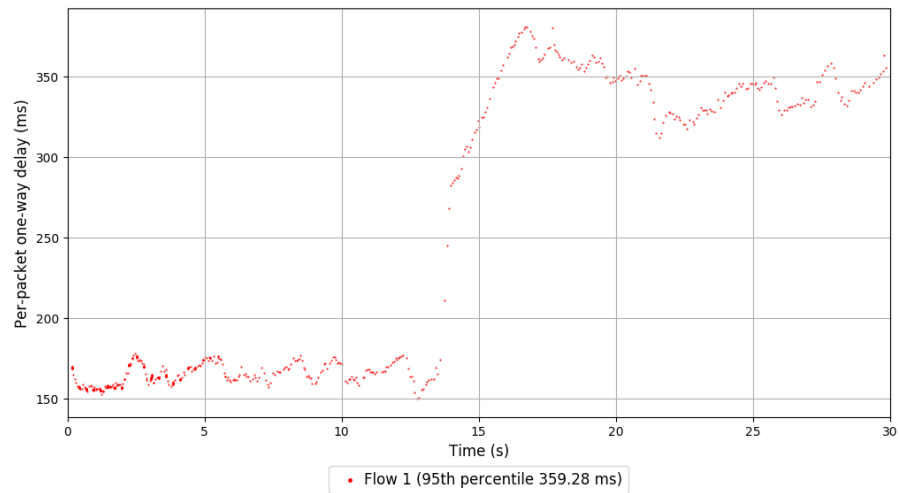
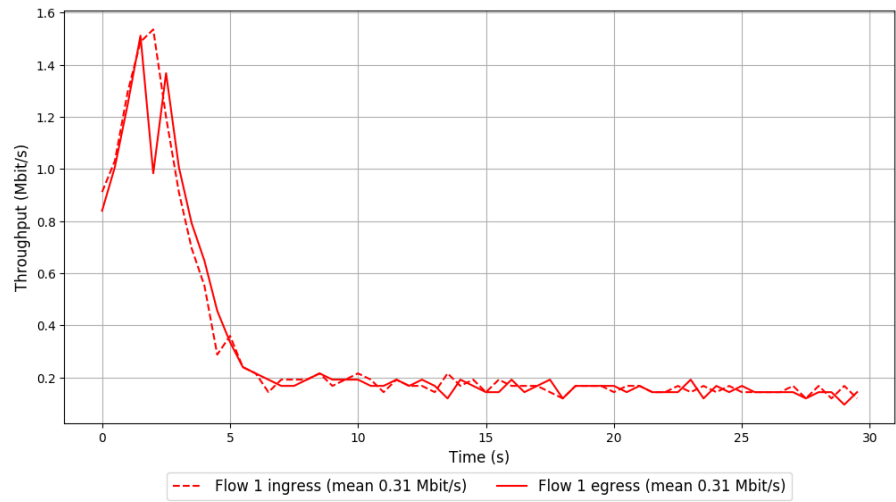
-- Flow 1:

Average throughput: 0.31 Mbit/s

95th percentile per-packet one-way delay: 359.280 ms

Loss rate: 1.04%

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



Run 10: Statistics of CalibratedKoho

Start at: Sun, 09 Jul 2017 08:50:40 +0000

End at: Sun, 09 Jul 2017 08:51:10 +0000

Local clock offset: 4.759 ms

Remote clock offset: -0.116 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:19 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 162.988 ms

Loss rate: 0.36%

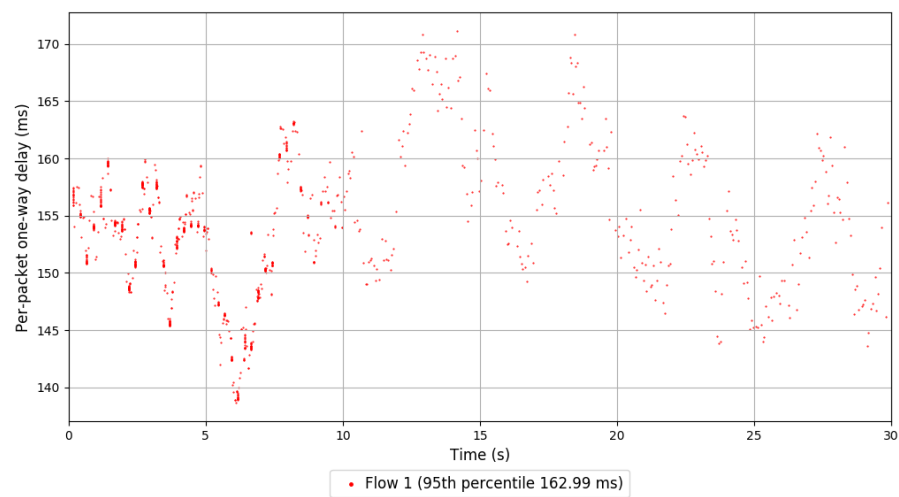
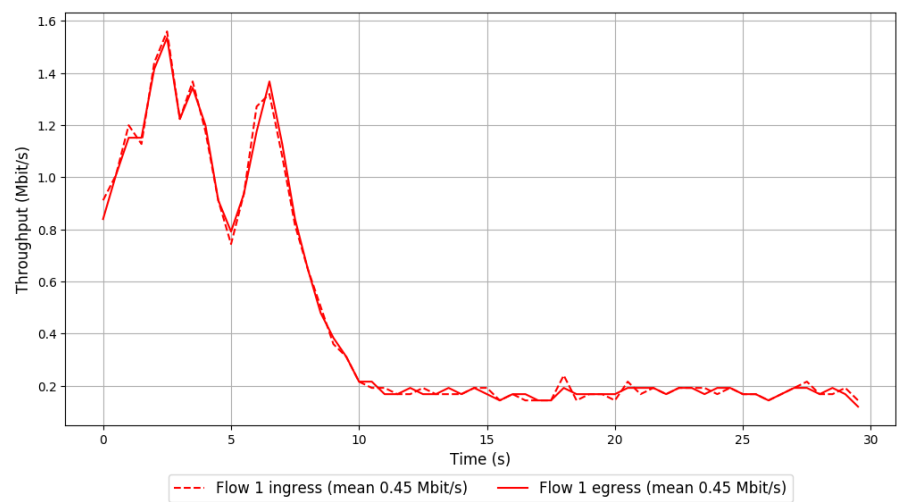
-- Flow 1:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 162.988 ms

Loss rate: 0.36%

Run 10: Report of CalibratedKoho — Data Link



Run 1: Statistics of Copa

Start at: Sun, 09 Jul 2017 06:15:18 +0000

End at: Sun, 09 Jul 2017 06:15:48 +0000

Local clock offset: 3.497 ms

Remote clock offset: -0.297 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:19 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.19 Mbit/s

95th percentile per-packet one-way delay: 148.195 ms

Loss rate: 0.62%

-- Flow 1:

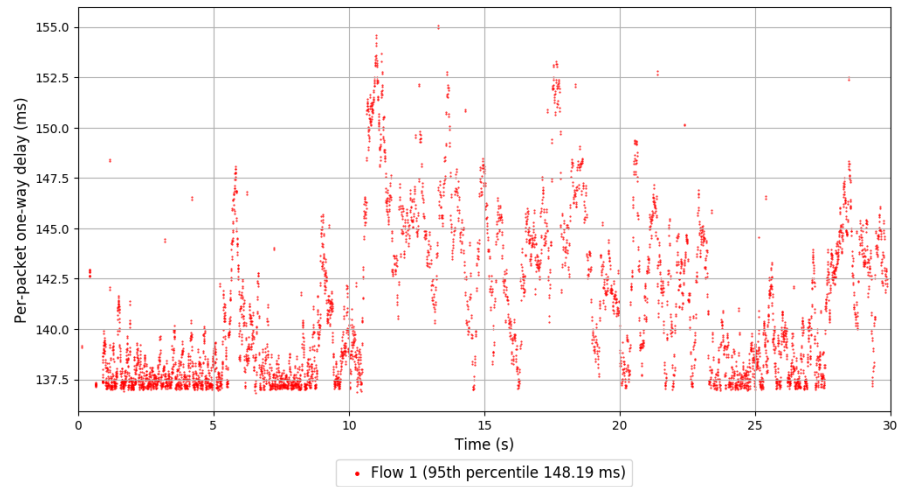
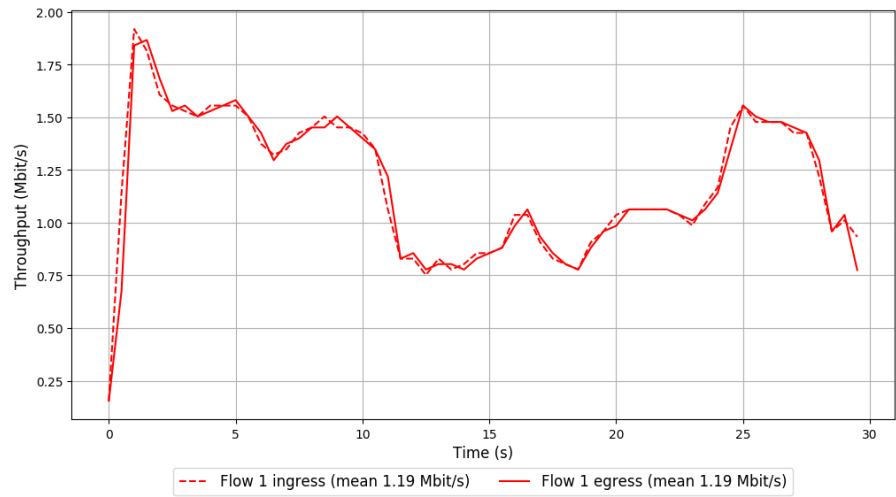
Average throughput: 1.19 Mbit/s

95th percentile per-packet one-way delay: 148.195 ms

Loss rate: 0.62%



## Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: Sun, 09 Jul 2017 06:33:45 +0000

End at: Sun, 09 Jul 2017 06:34:15 +0000

Local clock offset: 4.507 ms

Remote clock offset: -0.234 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:19 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 150.175 ms

Loss rate: 0.35%

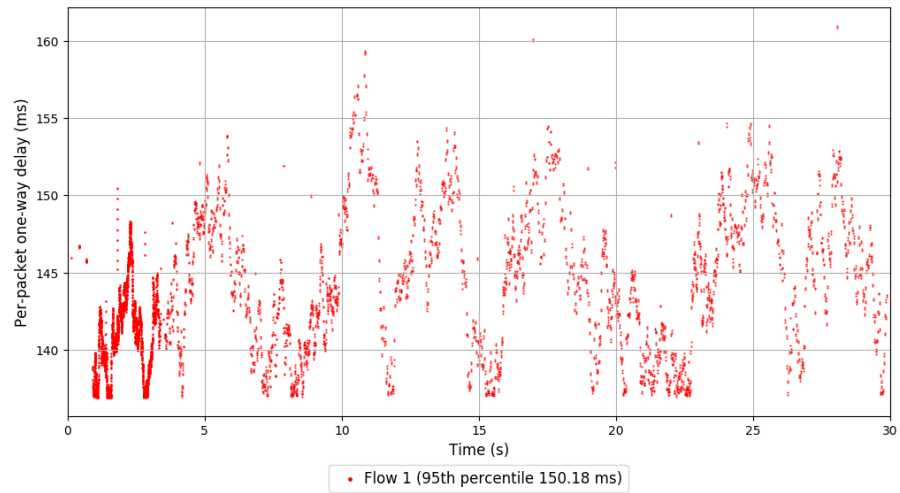
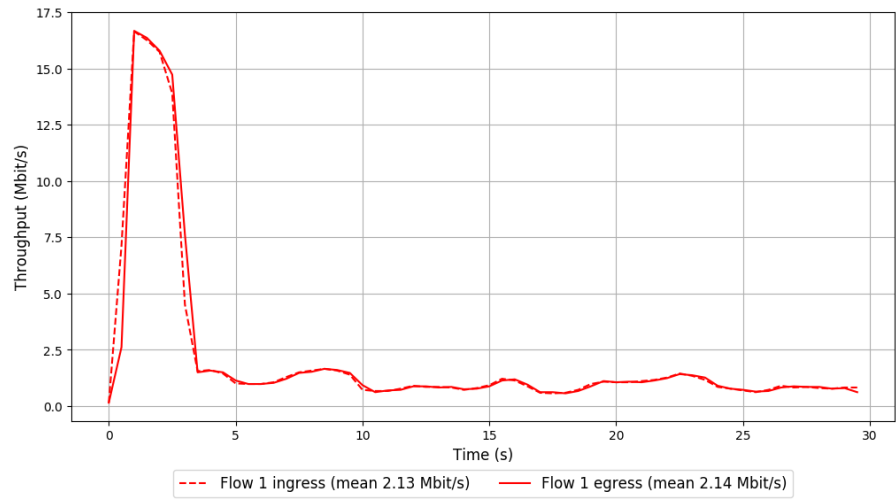
-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 150.175 ms

Loss rate: 0.35%

## Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: Sun, 09 Jul 2017 06:52:38 +0000

End at: Sun, 09 Jul 2017 06:53:08 +0000

Local clock offset: 5.081 ms

Remote clock offset: -0.231 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:20 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.60 Mbit/s

95th percentile per-packet one-way delay: 177.708 ms

Loss rate: 0.56%

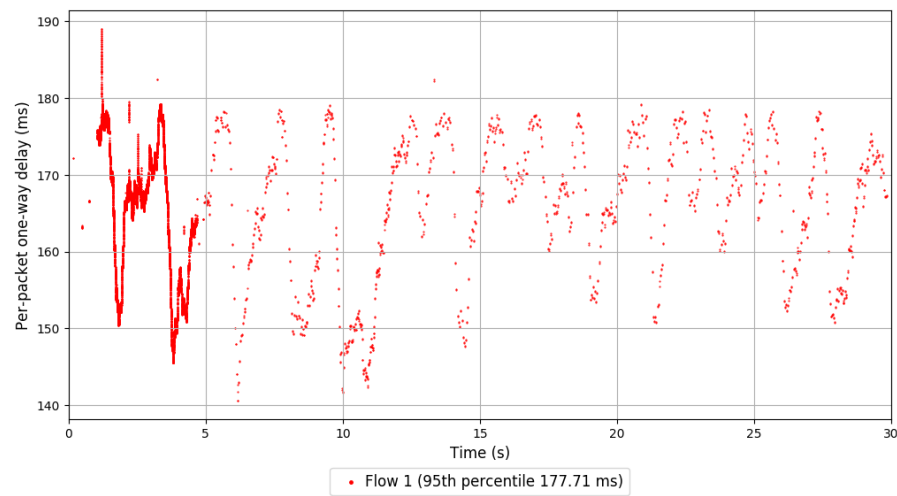
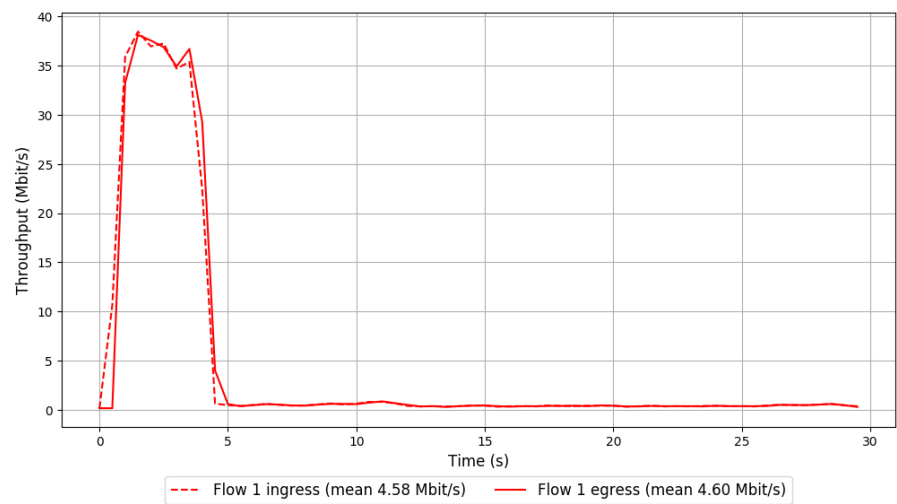
-- Flow 1:

Average throughput: 4.60 Mbit/s

95th percentile per-packet one-way delay: 177.708 ms

Loss rate: 0.56%

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: Sun, 09 Jul 2017 07:11:58 +0000

End at: Sun, 09 Jul 2017 07:12:28 +0000

Local clock offset: 5.324 ms

Remote clock offset: -0.361 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:23 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.14 Mbit/s

95th percentile per-packet one-way delay: 189.140 ms

Loss rate: 0.66%

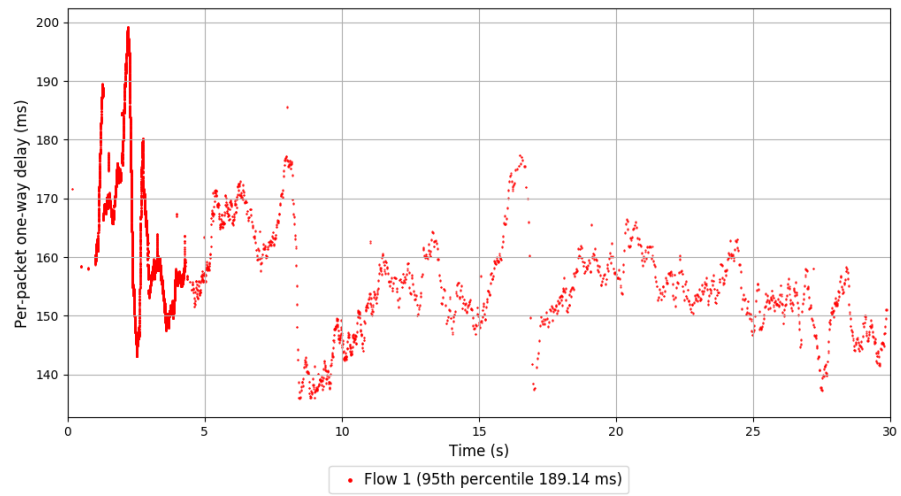
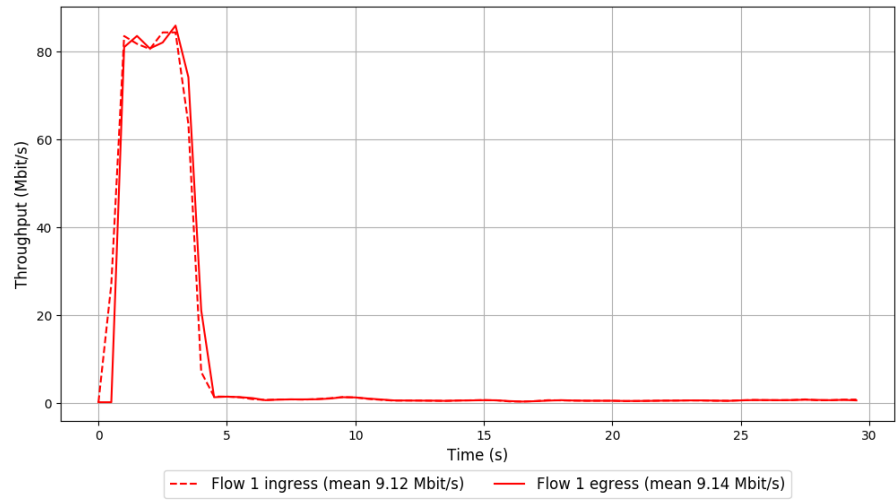
-- Flow 1:

Average throughput: 9.14 Mbit/s

95th percentile per-packet one-way delay: 189.140 ms

Loss rate: 0.66%

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



Run 5: Statistics of Copa

Start at: Sun, 09 Jul 2017 07:30:17 +0000

End at: Sun, 09 Jul 2017 07:30:47 +0000

Local clock offset: 5.396 ms

Remote clock offset: -0.503 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:23 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 151.845 ms

Loss rate: 0.81%

-- Flow 1:

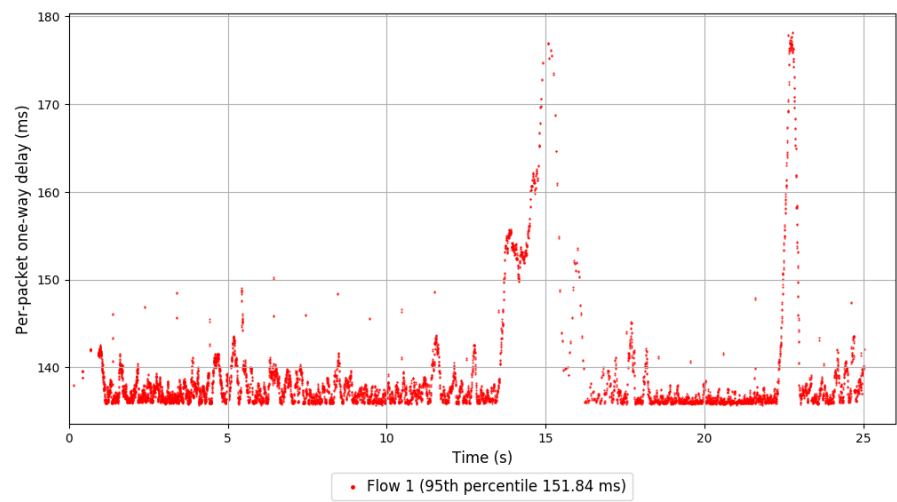
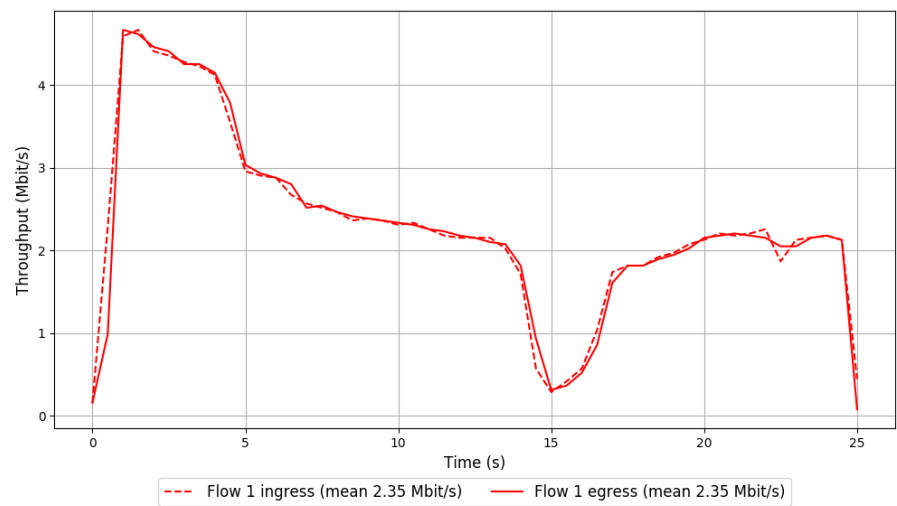
Average throughput: 2.35 Mbit/s

95th percentile per-packet one-way delay: 151.845 ms

Loss rate: 0.81%



Run 5: Report of Copa — Data Link



Run 6: Statistics of Copa

Start at: Sun, 09 Jul 2017 07:48:53 +0000

End at: Sun, 09 Jul 2017 07:49:23 +0000

Local clock offset: 5.238 ms

Remote clock offset: -0.413 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:23 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 156.878 ms

Loss rate: 0.81%

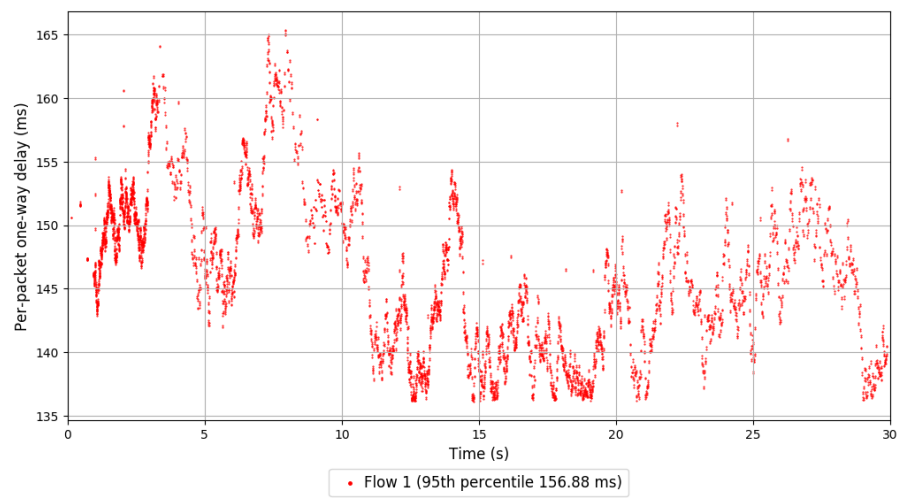
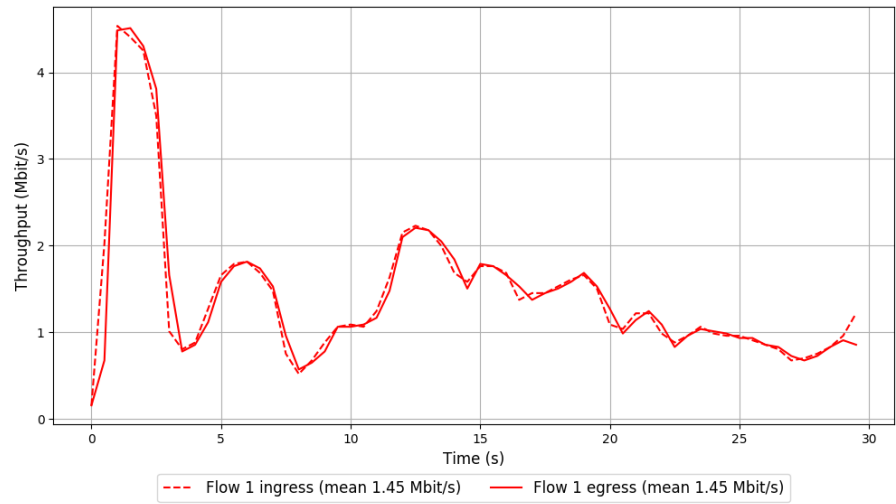
-- Flow 1:

Average throughput: 1.45 Mbit/s

95th percentile per-packet one-way delay: 156.878 ms

Loss rate: 0.81%

## Run 6: Report of Copa — Data Link



Run 7: Statistics of Copa

Start at: Sun, 09 Jul 2017 08:07:05 +0000

End at: Sun, 09 Jul 2017 08:07:35 +0000

Local clock offset: 4.38 ms

Remote clock offset: -0.409 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:25 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.49 Mbit/s

95th percentile per-packet one-way delay: 137.668 ms

Loss rate: 0.94%

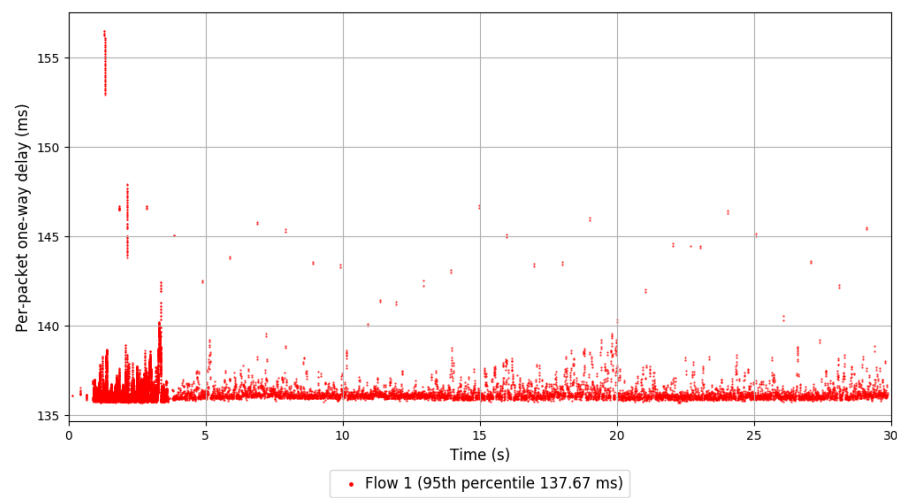
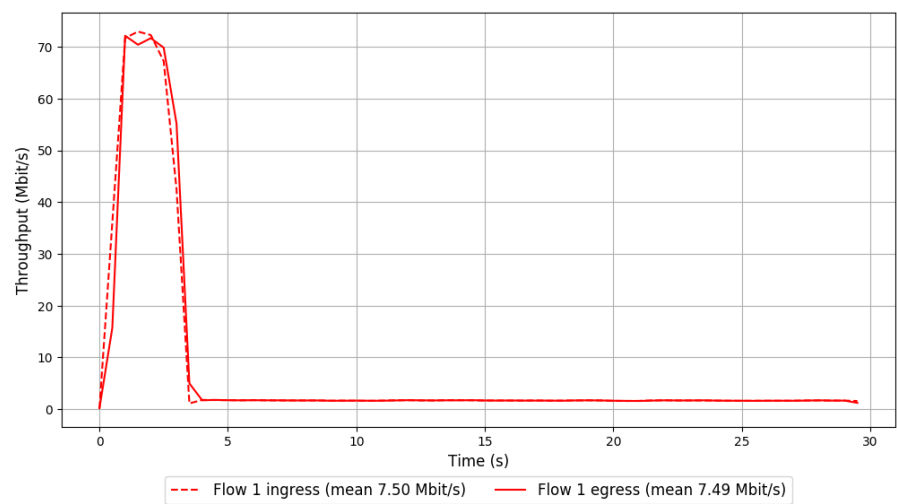
-- Flow 1:

Average throughput: 7.49 Mbit/s

95th percentile per-packet one-way delay: 137.668 ms

Loss rate: 0.94%

Run 7: Report of Copa — Data Link



Run 8: Statistics of Copa

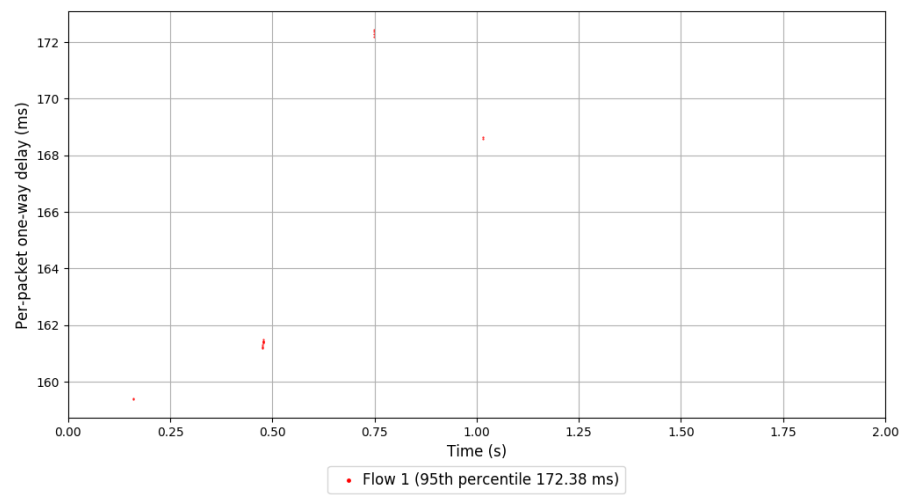
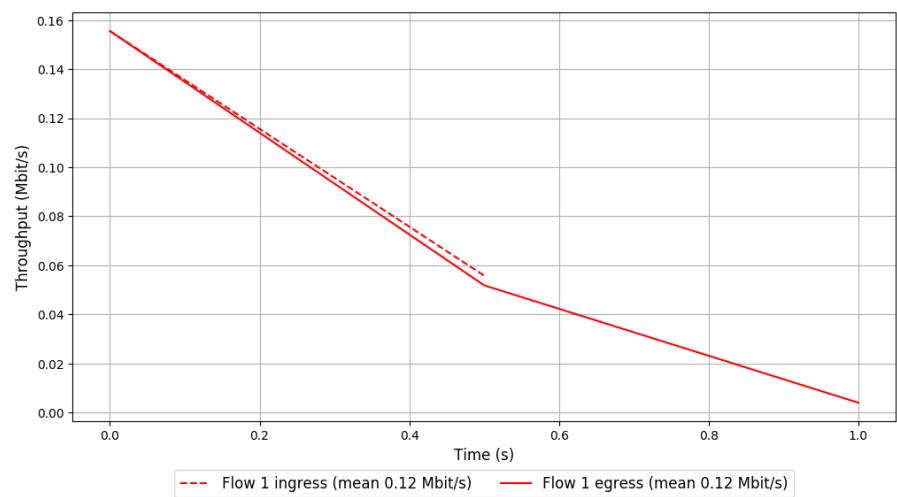
Start at: Sun, 09 Jul 2017 08:25:32 +0000

End at: Sun, 09 Jul 2017 08:26:02 +0000

Local clock offset: 4.637 ms

Remote clock offset: -0.29 ms

Run 8: Report of Copa — Data Link



Run 9: Statistics of Copa

Start at: Sun, 09 Jul 2017 08:45:05 +0000

End at: Sun, 09 Jul 2017 08:45:35 +0000

Local clock offset: 5.906 ms

Remote clock offset: -0.153 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:26 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 176.786 ms

Loss rate: 0.48%

-- Flow 1:

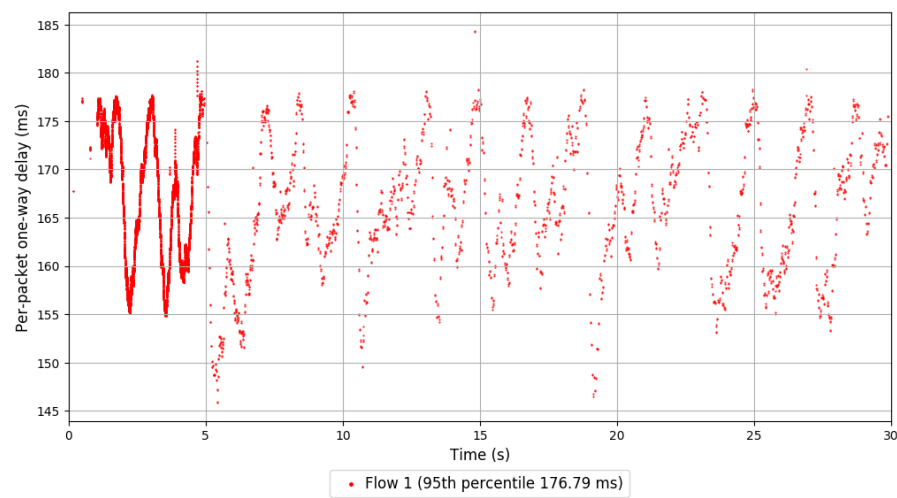
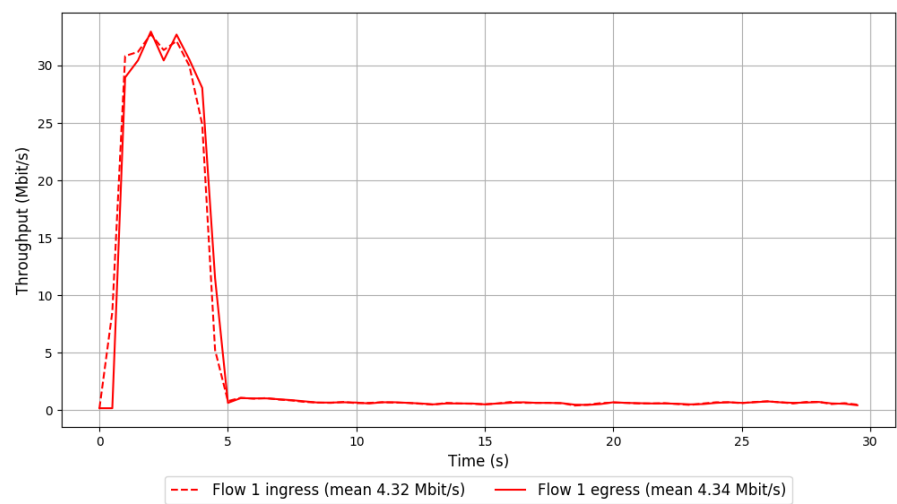
Average throughput: 4.34 Mbit/s

95th percentile per-packet one-way delay: 176.786 ms

Loss rate: 0.48%



Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: Sun, 09 Jul 2017 09:04:03 +0000

End at: Sun, 09 Jul 2017 09:04:33 +0000

Local clock offset: 5.934 ms

Remote clock offset: -0.011 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:26 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.07 Mbit/s

95th percentile per-packet one-way delay: 137.454 ms

Loss rate: 0.73%

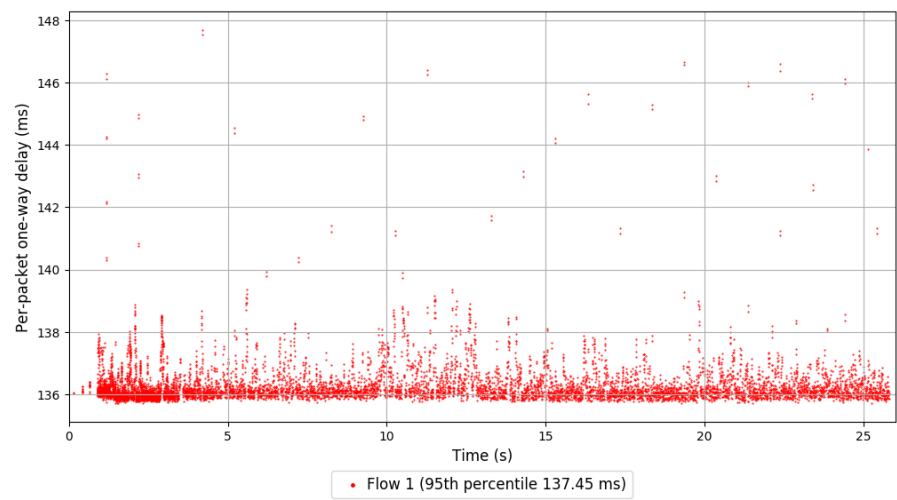
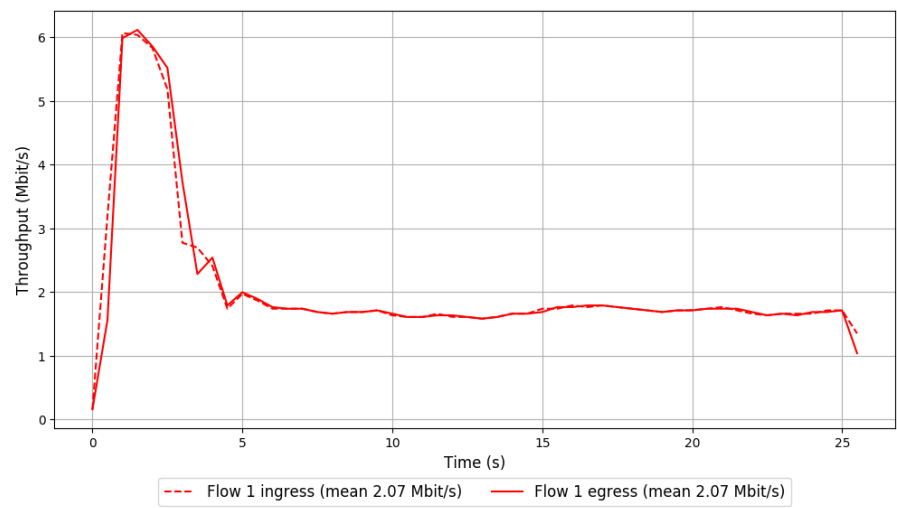
-- Flow 1:

Average throughput: 2.07 Mbit/s

95th percentile per-packet one-way delay: 137.454 ms

Loss rate: 0.73%

Run 10: Report of Copa — Data Link



Run 1: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 06:04:19 +0000

End at: Sun, 09 Jul 2017 06:04:49 +0000

Local clock offset: 3.249 ms

Remote clock offset: -0.132 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:32 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 38.27 Mbit/s

95th percentile per-packet one-way delay: 167.885 ms

Loss rate: 1.08%

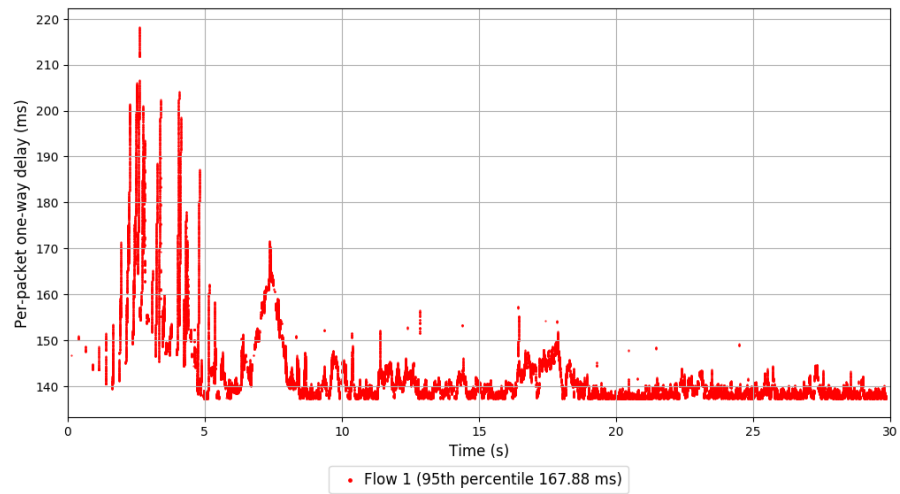
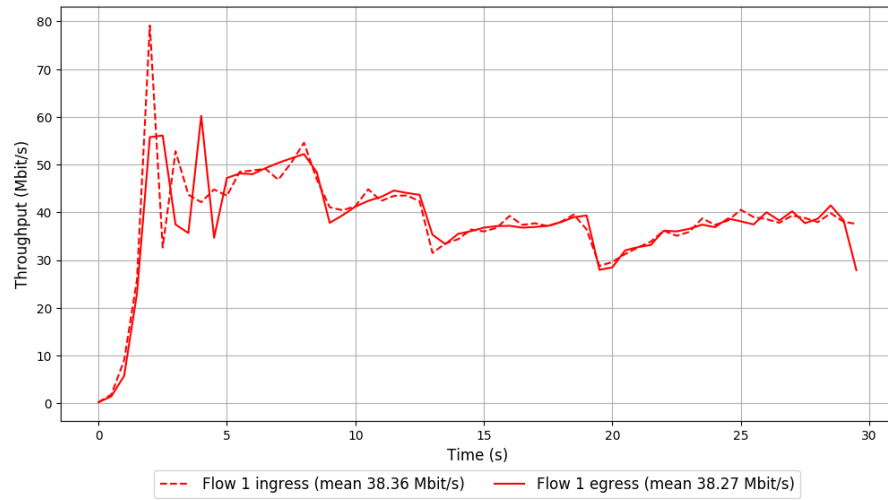
-- Flow 1:

Average throughput: 38.27 Mbit/s

95th percentile per-packet one-way delay: 167.885 ms

Loss rate: 1.08%

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



Run 2: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 06:22:39 +0000

End at: Sun, 09 Jul 2017 06:23:09 +0000

Local clock offset: 3.274 ms

Remote clock offset: -0.207 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:32 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.26 Mbit/s

95th percentile per-packet one-way delay: 158.740 ms

Loss rate: 1.71%

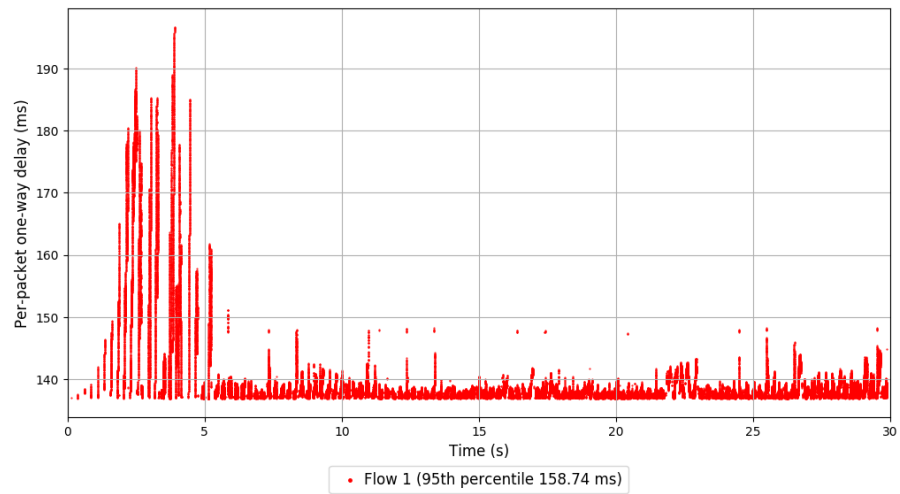
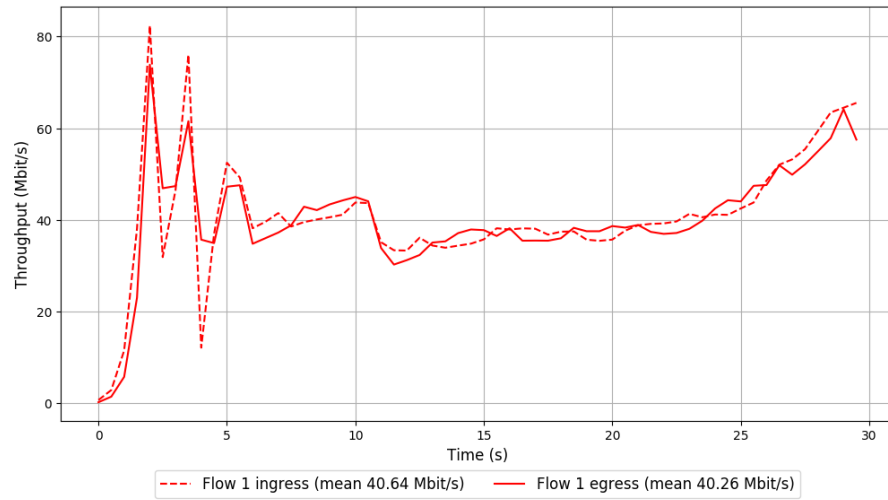
-- Flow 1:

Average throughput: 40.26 Mbit/s

95th percentile per-packet one-way delay: 158.740 ms

Loss rate: 1.71%

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



Run 3: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 06:41:12 +0000

End at: Sun, 09 Jul 2017 06:41:42 +0000

Local clock offset: 3.566 ms

Remote clock offset: -0.202 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:38 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 45.36 Mbit/s

95th percentile per-packet one-way delay: 163.792 ms

Loss rate: 1.40%

-- Flow 1:

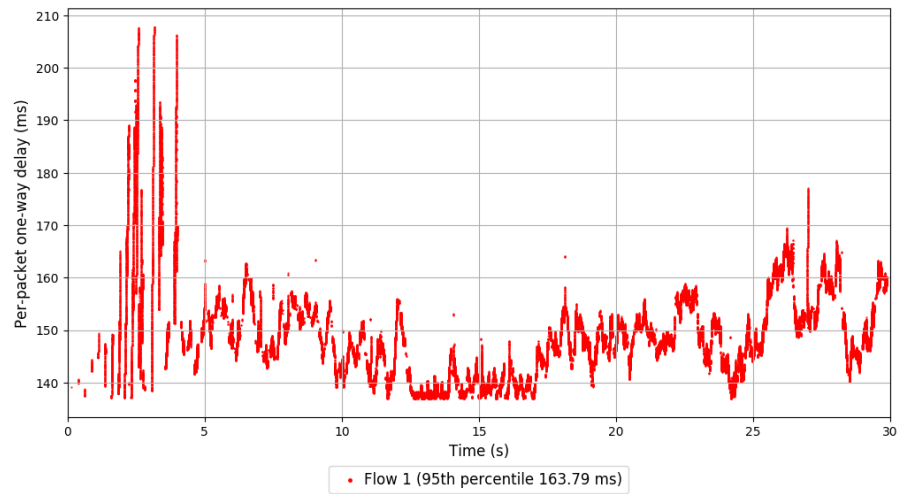
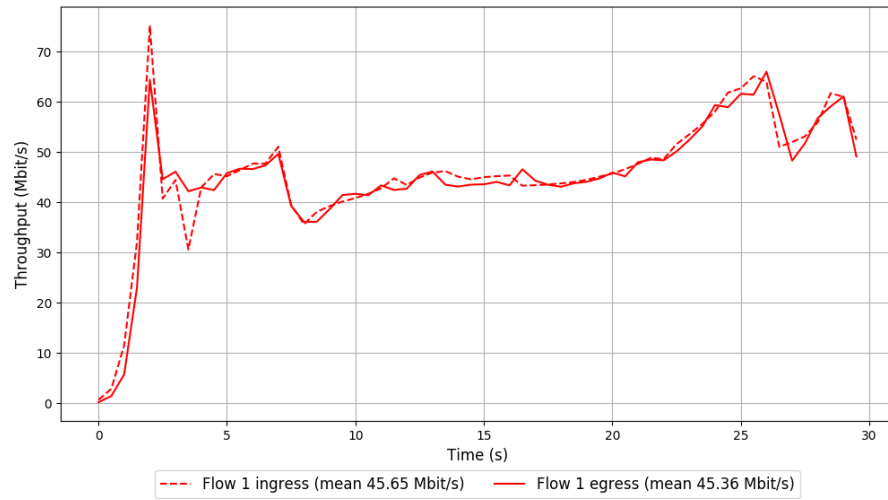
Average throughput: 45.36 Mbit/s

95th percentile per-packet one-way delay: 163.792 ms

Loss rate: 1.40%



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



Run 4: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 07:01:00 +0000

End at: Sun, 09 Jul 2017 07:01:30 +0000

Local clock offset: 3.997 ms

Remote clock offset: -0.215 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:38 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 38.26 Mbit/s

95th percentile per-packet one-way delay: 179.439 ms

Loss rate: 1.22%

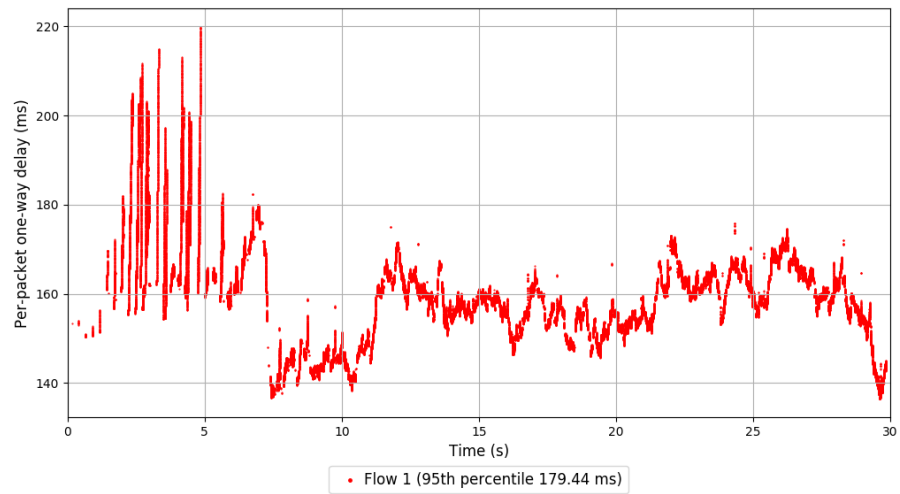
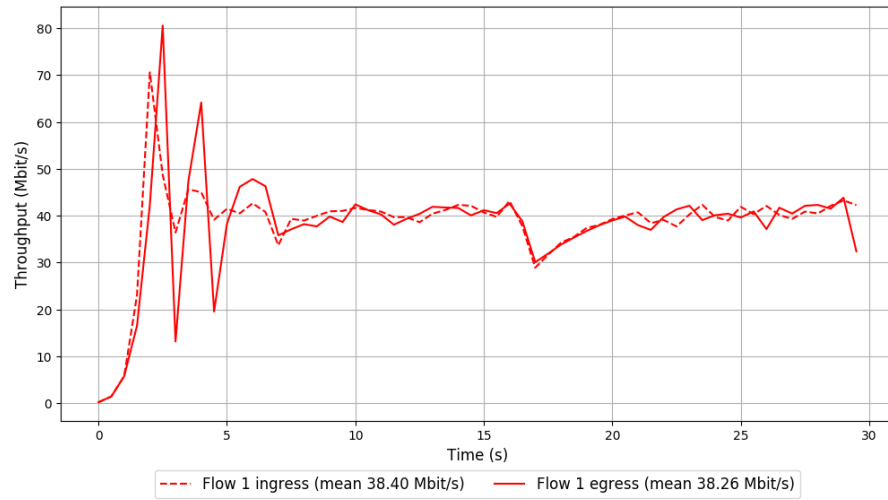
-- Flow 1:

Average throughput: 38.26 Mbit/s

95th percentile per-packet one-way delay: 179.439 ms

Loss rate: 1.22%

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



Run 5: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 07:19:15 +0000

End at: Sun, 09 Jul 2017 07:19:45 +0000

Local clock offset: 5.719 ms

Remote clock offset: -0.527 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:41 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.02 Mbit/s

95th percentile per-packet one-way delay: 169.412 ms

Loss rate: 1.02%

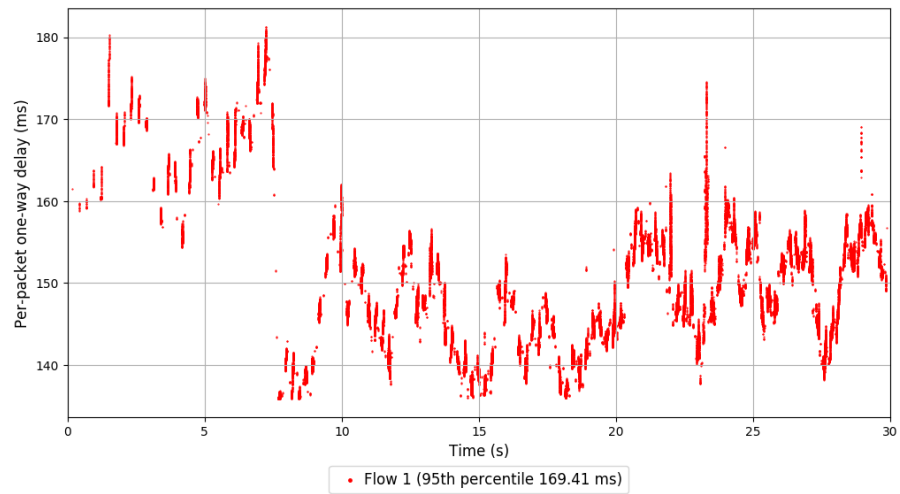
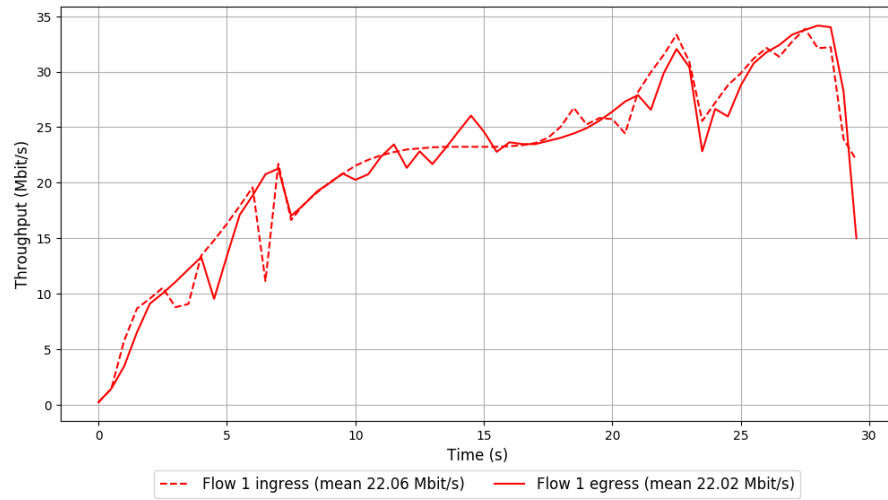
-- Flow 1:

Average throughput: 22.02 Mbit/s

95th percentile per-packet one-way delay: 169.412 ms

Loss rate: 1.02%

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



Run 6: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 07:37:54 +0000

End at: Sun, 09 Jul 2017 07:38:24 +0000

Local clock offset: 3.751 ms

Remote clock offset: -0.524 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:43 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 28.15 Mbit/s

95th percentile per-packet one-way delay: 186.589 ms

Loss rate: 1.16%

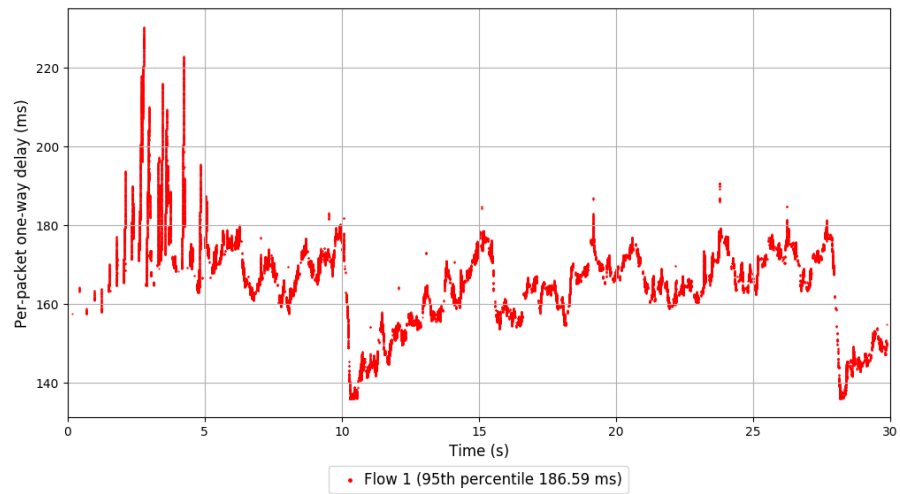
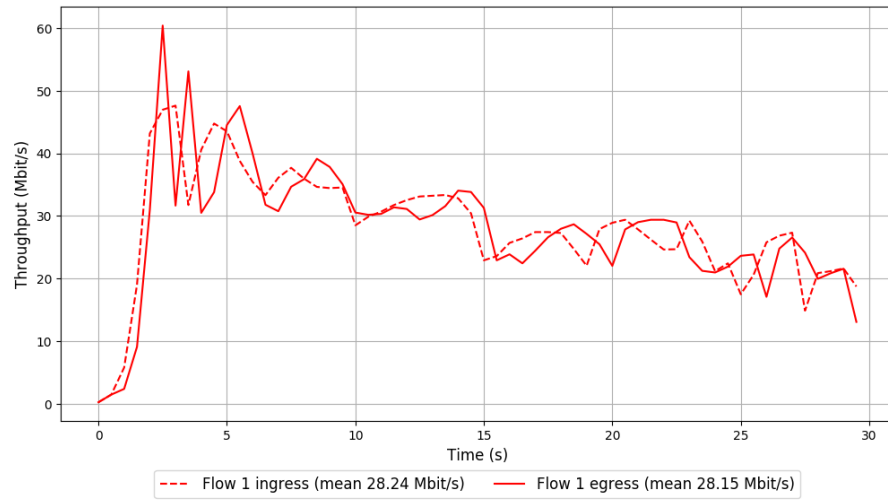
-- Flow 1:

Average throughput: 28.15 Mbit/s

95th percentile per-packet one-way delay: 186.589 ms

Loss rate: 1.16%

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



Run 7: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 07:56:14 +0000

End at: Sun, 09 Jul 2017 07:56:44 +0000

Local clock offset: 4.298 ms

Remote clock offset: -0.394 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:47 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 45.93 Mbit/s

95th percentile per-packet one-way delay: 155.455 ms

Loss rate: 1.35%

-- Flow 1:

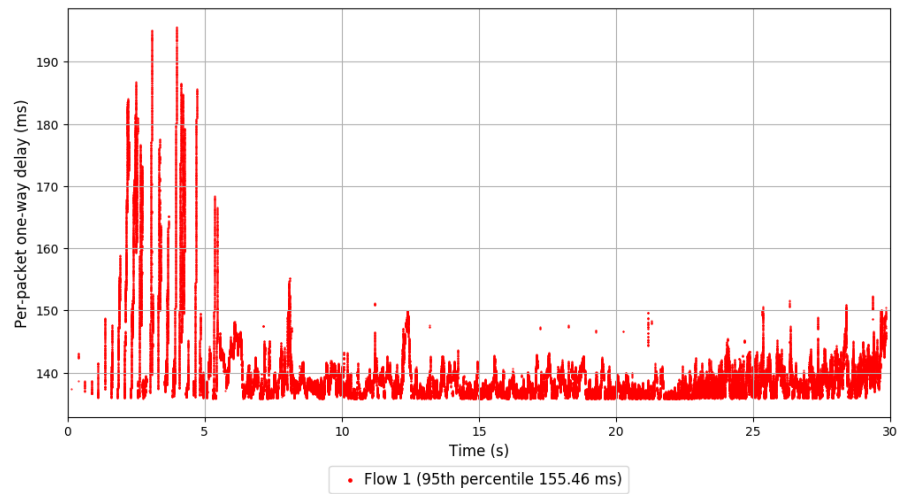
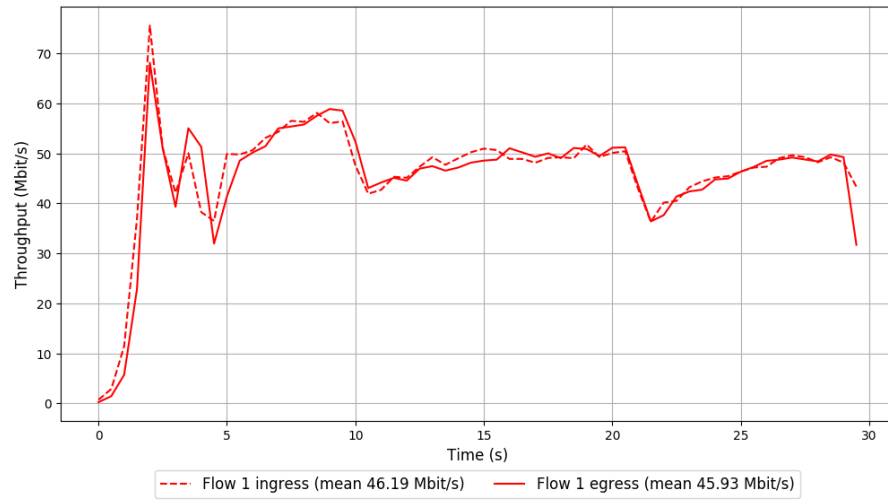
Average throughput: 45.93 Mbit/s

95th percentile per-packet one-way delay: 155.455 ms

Loss rate: 1.35%



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



Run 8: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 08:14:32 +0000

End at: Sun, 09 Jul 2017 08:15:02 +0000

Local clock offset: 5.603 ms

Remote clock offset: -0.377 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:51 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 54.61 Mbit/s

95th percentile per-packet one-way delay: 166.445 ms

Loss rate: 1.07%

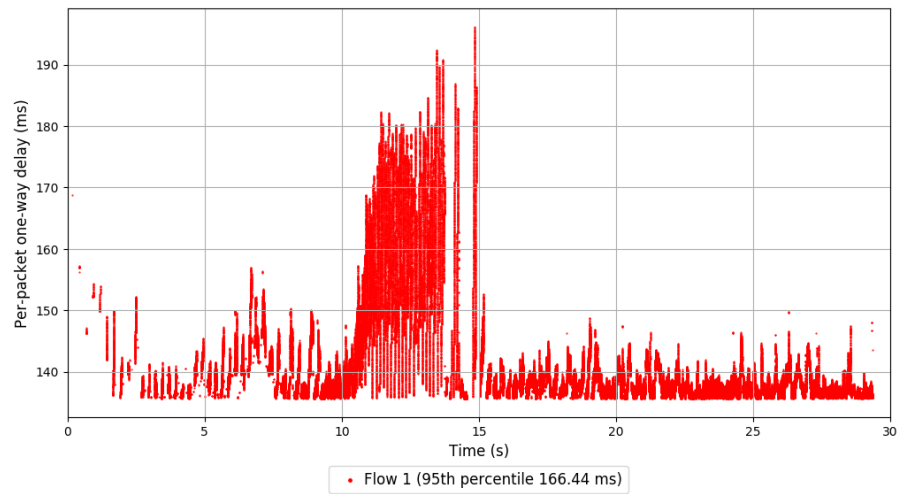
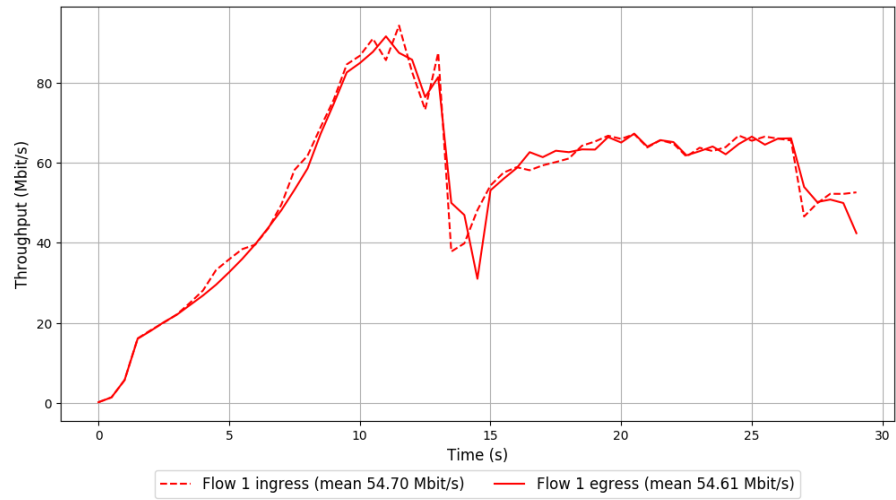
-- Flow 1:

Average throughput: 54.61 Mbit/s

95th percentile per-packet one-way delay: 166.445 ms

Loss rate: 1.07%

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



Run 9: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 08:33:31 +0000

End at: Sun, 09 Jul 2017 08:34:01 +0000

Local clock offset: 4.604 ms

Remote clock offset: -0.214 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:20:51 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 194.257 ms

Loss rate: 0.71%

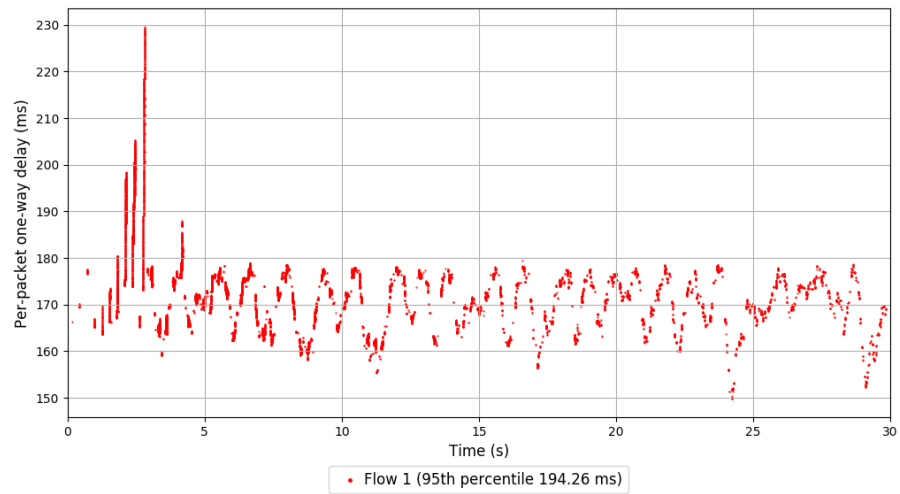
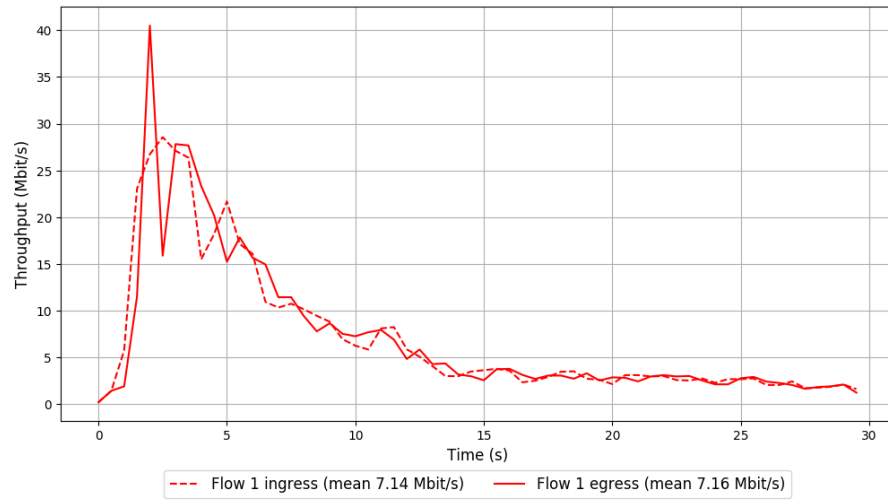
-- Flow 1:

Average throughput: 7.16 Mbit/s

95th percentile per-packet one-way delay: 194.257 ms

Loss rate: 0.71%

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



Run 10: Statistics of TCP Cubic

Start at: Sun, 09 Jul 2017 08:53:05 +0000

End at: Sun, 09 Jul 2017 08:53:35 +0000

Local clock offset: 5.857 ms

Remote clock offset: -0.071 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:00 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 57.95 Mbit/s

95th percentile per-packet one-way delay: 168.293 ms

Loss rate: 1.03%

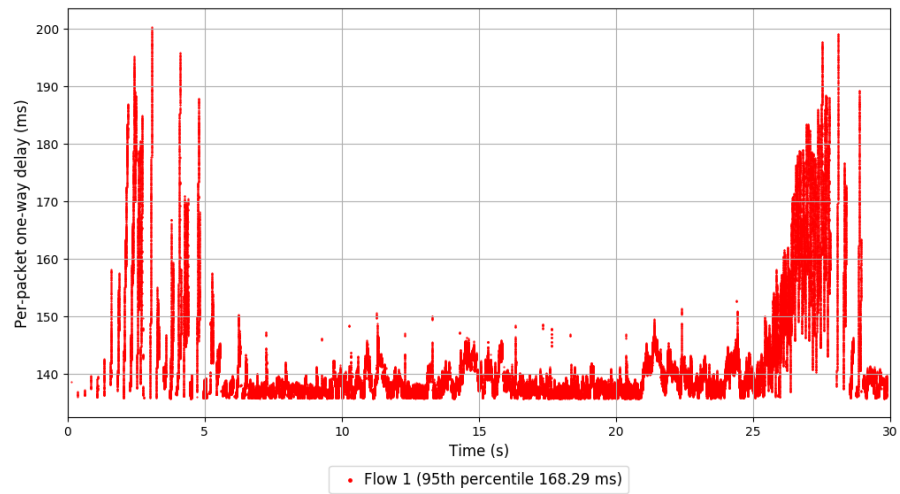
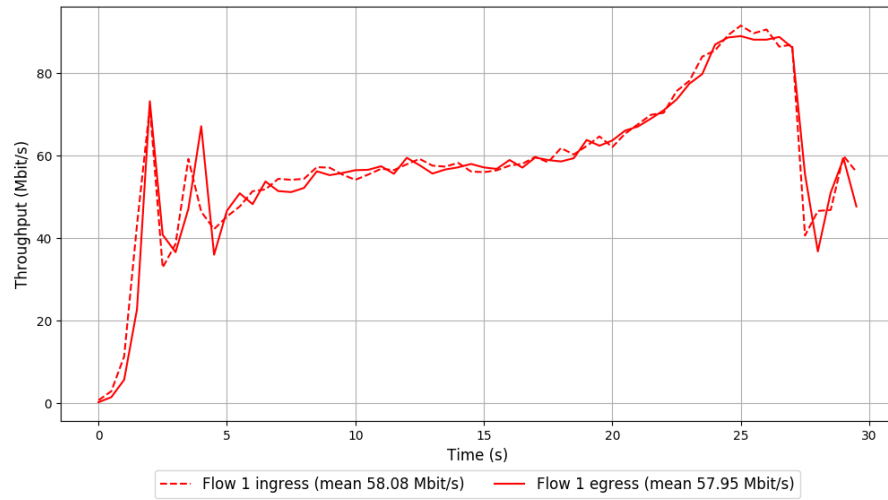
-- Flow 1:

Average throughput: 57.95 Mbit/s

95th percentile per-packet one-way delay: 168.293 ms

Loss rate: 1.03%

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



Run 1: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 06:06:50 +0000

End at: Sun, 09 Jul 2017 06:07:20 +0000

Local clock offset: 4.578 ms

Remote clock offset: -0.196 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:00 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 144.442 ms

Loss rate: 0.83%

-- Flow 1:

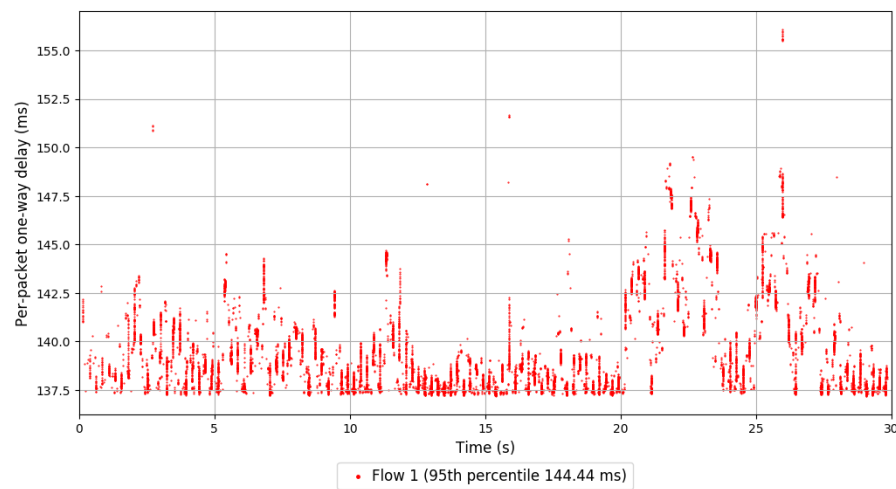
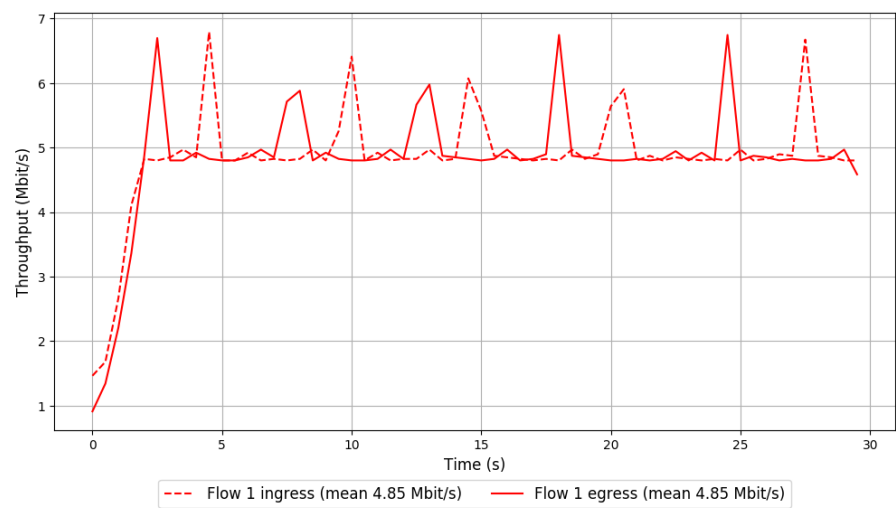
Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 144.442 ms

Loss rate: 0.83%



Run 1: Report of KohoCC — Data Link



Run 2: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 06:25:09 +0000

End at: Sun, 09 Jul 2017 06:25:39 +0000

Local clock offset: 3.427 ms

Remote clock offset: -0.199 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:00 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.86 Mbit/s

95th percentile per-packet one-way delay: 140.969 ms

Loss rate: 0.83%

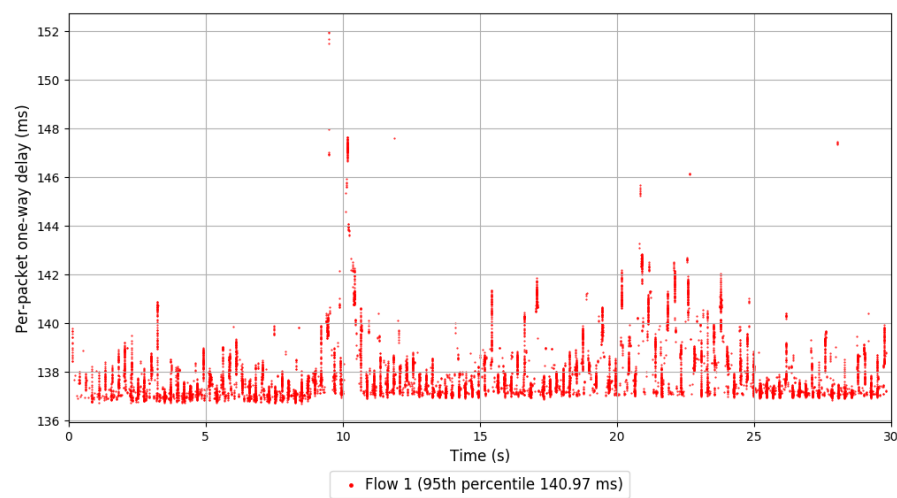
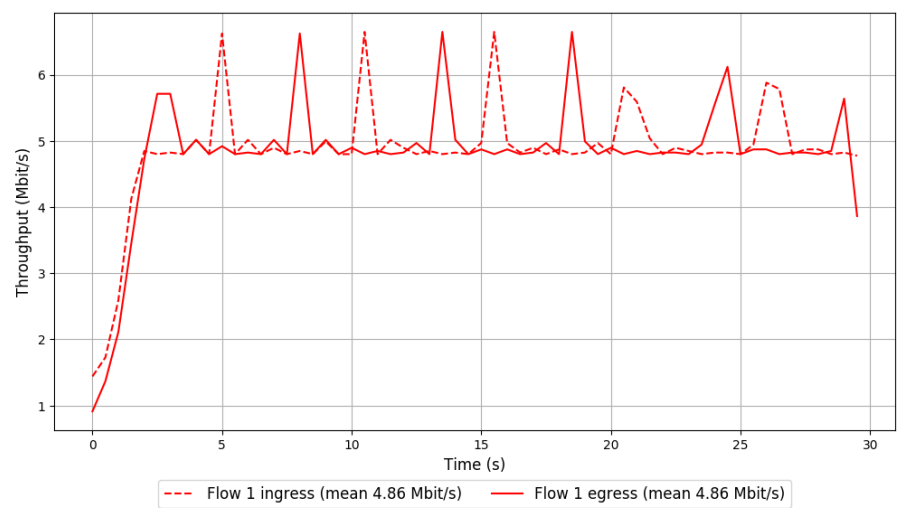
-- Flow 1:

Average throughput: 4.86 Mbit/s

95th percentile per-packet one-way delay: 140.969 ms

Loss rate: 0.83%

Run 2: Report of KohoCC — Data Link



Run 3: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 06:43:39 +0000

End at: Sun, 09 Jul 2017 06:44:09 +0000

Local clock offset: 3.593 ms

Remote clock offset: -0.114 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:00 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.36 Mbit/s

95th percentile per-packet one-way delay: 175.795 ms

Loss rate: 0.92%

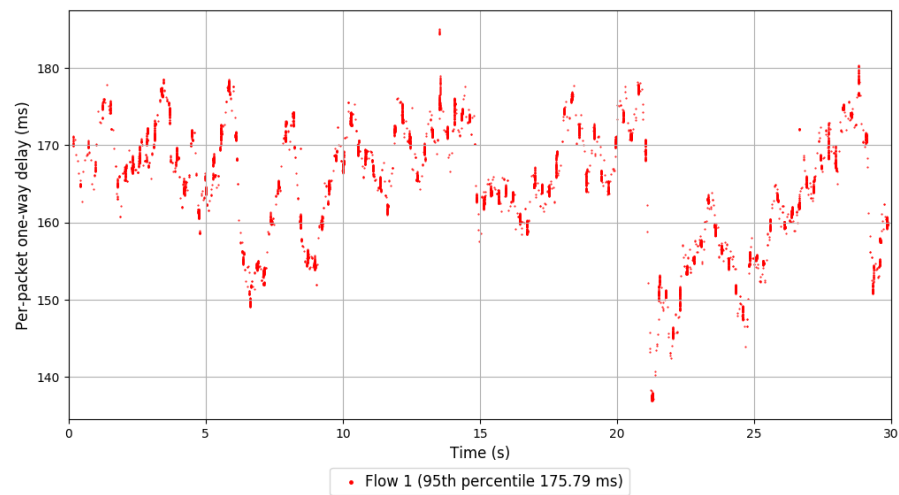
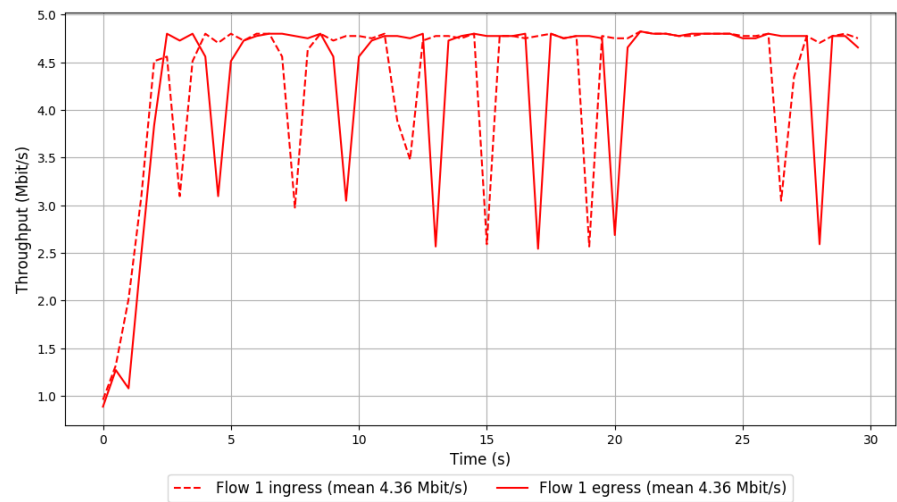
-- Flow 1:

Average throughput: 4.36 Mbit/s

95th percentile per-packet one-way delay: 175.795 ms

Loss rate: 0.92%

Run 3: Report of KohoCC — Data Link



Run 4: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 07:03:26 +0000

End at: Sun, 09 Jul 2017 07:03:56 +0000

Local clock offset: 3.231 ms

Remote clock offset: -0.26 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:00 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.41 Mbit/s

95th percentile per-packet one-way delay: 174.109 ms

Loss rate: 0.93%

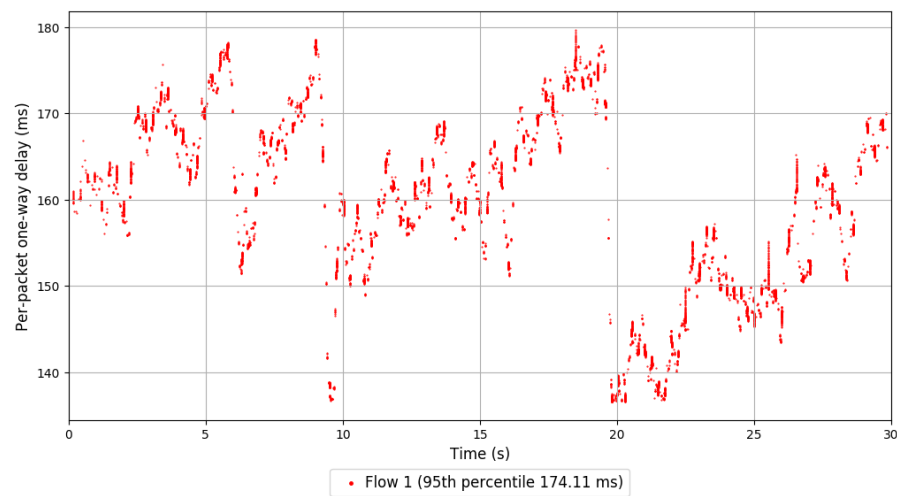
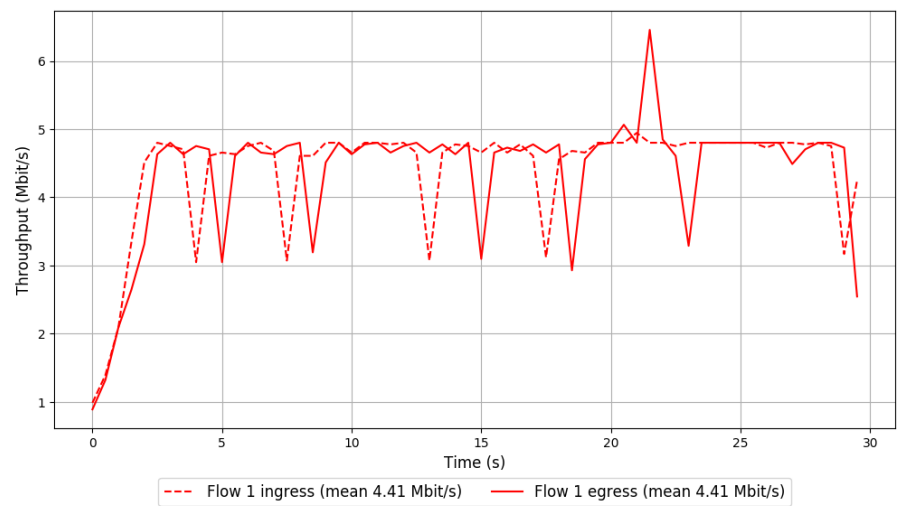
-- Flow 1:

Average throughput: 4.41 Mbit/s

95th percentile per-packet one-way delay: 174.109 ms

Loss rate: 0.93%

Run 4: Report of KohoCC — Data Link



Run 5: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 07:21:39 +0000

End at: Sun, 09 Jul 2017 07:22:09 +0000

Local clock offset: 5.366 ms

Remote clock offset: -0.537 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:00 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.74 Mbit/s

95th percentile per-packet one-way delay: 149.970 ms

Loss rate: 0.85%

-- Flow 1:

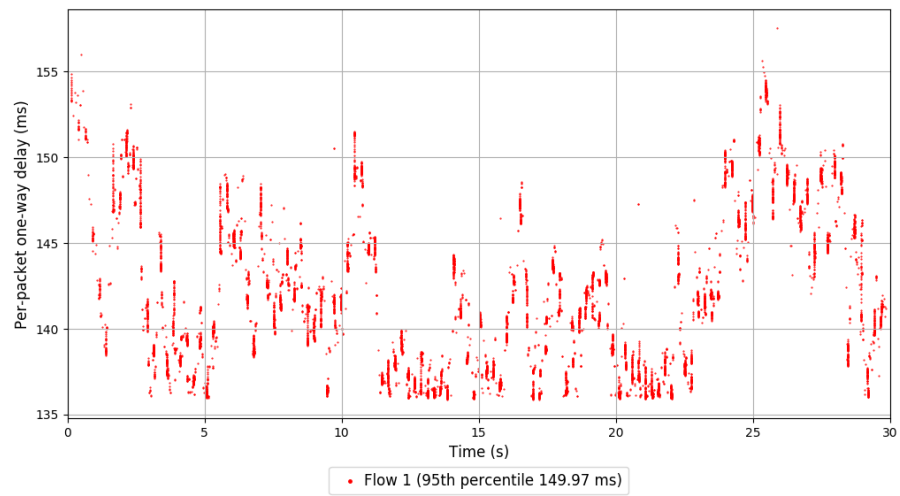
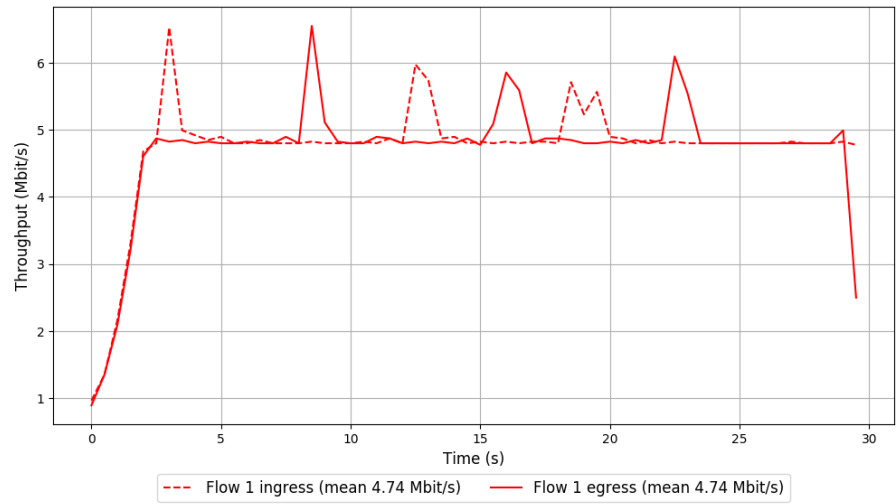
Average throughput: 4.74 Mbit/s

95th percentile per-packet one-way delay: 149.970 ms

Loss rate: 0.85%



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



Run 6: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 07:40:21 +0000

End at: Sun, 09 Jul 2017 07:40:51 +0000

Local clock offset: 3.475 ms

Remote clock offset: -0.442 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:00 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.40 Mbit/s

95th percentile per-packet one-way delay: 173.247 ms

Loss rate: 0.89%

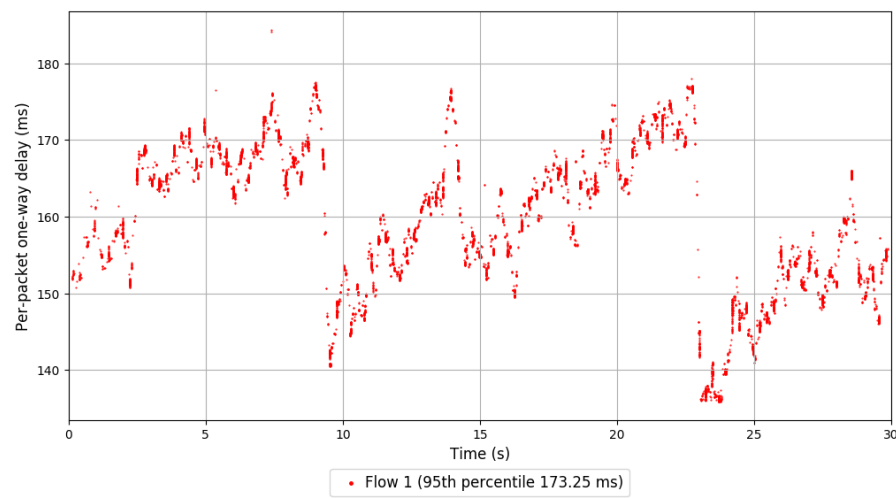
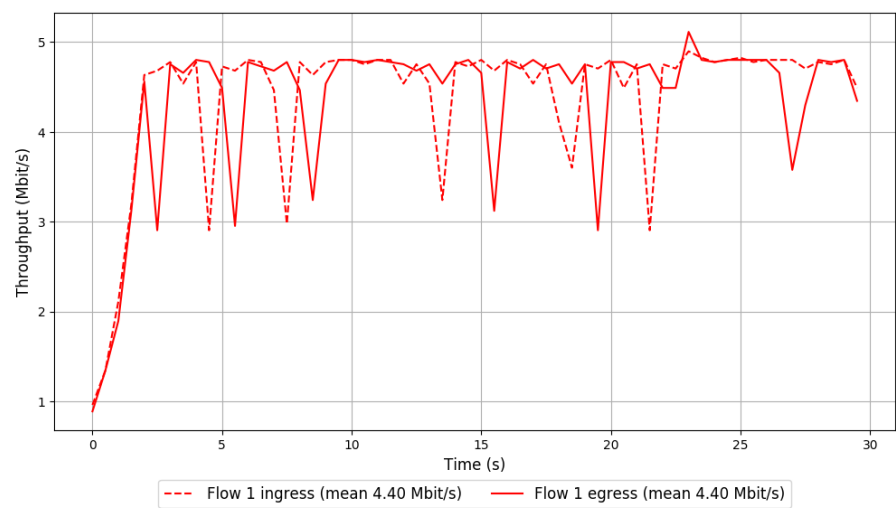
-- Flow 1:

Average throughput: 4.40 Mbit/s

95th percentile per-packet one-way delay: 173.247 ms

Loss rate: 0.89%

Run 6: Report of KohoCC — Data Link



Run 7: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 07:58:39 +0000

End at: Sun, 09 Jul 2017 07:59:09 +0000

Local clock offset: 5.39 ms

Remote clock offset: -0.404 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:01 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.81 Mbit/s

95th percentile per-packet one-way delay: 140.903 ms

Loss rate: 0.83%

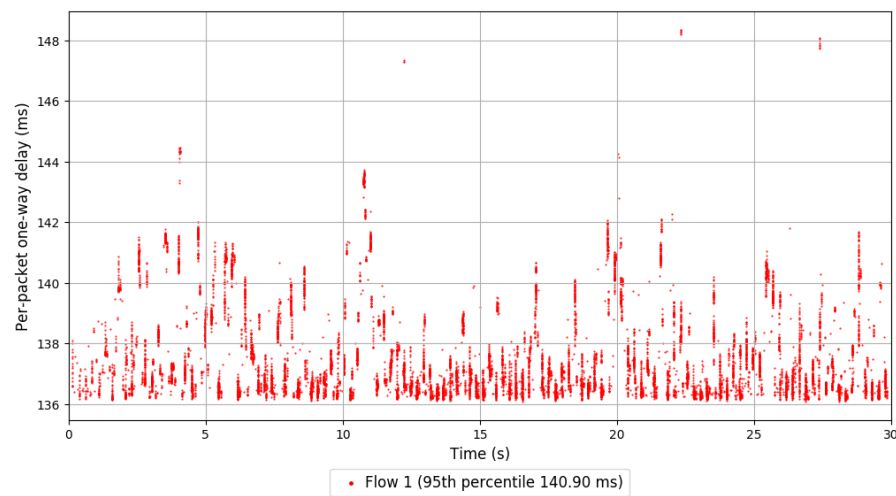
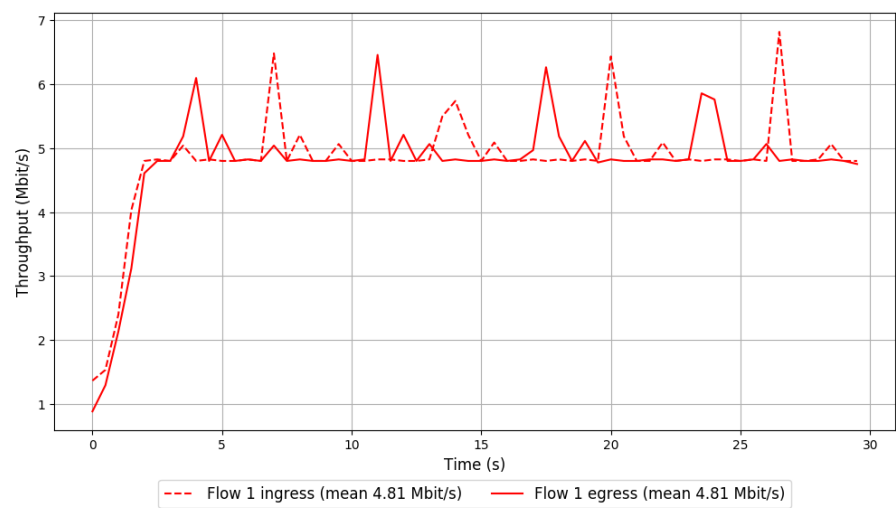
-- Flow 1:

Average throughput: 4.81 Mbit/s

95th percentile per-packet one-way delay: 140.903 ms

Loss rate: 0.83%

Run 7: Report of KohoCC — Data Link



Run 8: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 08:17:00 +0000

End at: Sun, 09 Jul 2017 08:17:30 +0000

Local clock offset: 4.454 ms

Remote clock offset: -0.371 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:01 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 138.013 ms

Loss rate: 0.83%

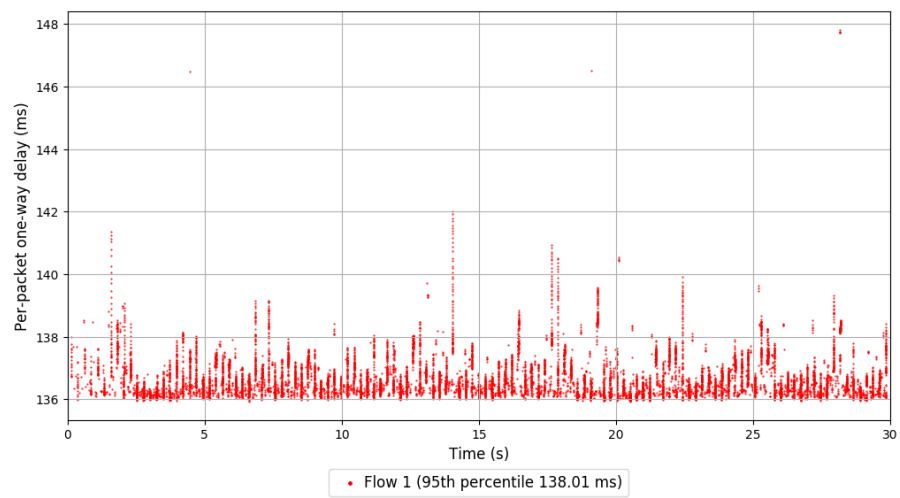
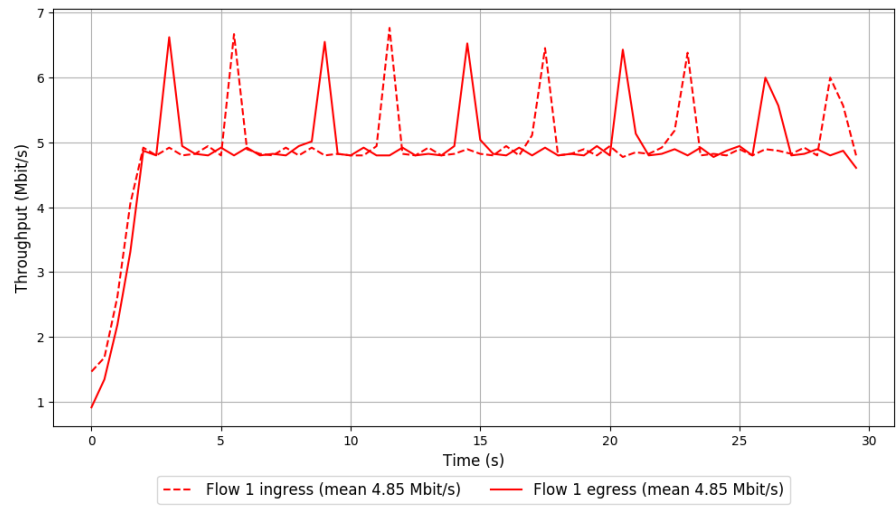
-- Flow 1:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 138.013 ms

Loss rate: 0.83%

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



Run 9: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 08:36:04 +0000

End at: Sun, 09 Jul 2017 08:36:34 +0000

Local clock offset: 5.849 ms

Remote clock offset: -0.192 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:02 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.28 Mbit/s

95th percentile per-packet one-way delay: 177.099 ms

Loss rate: 1.26%

-- Flow 1:

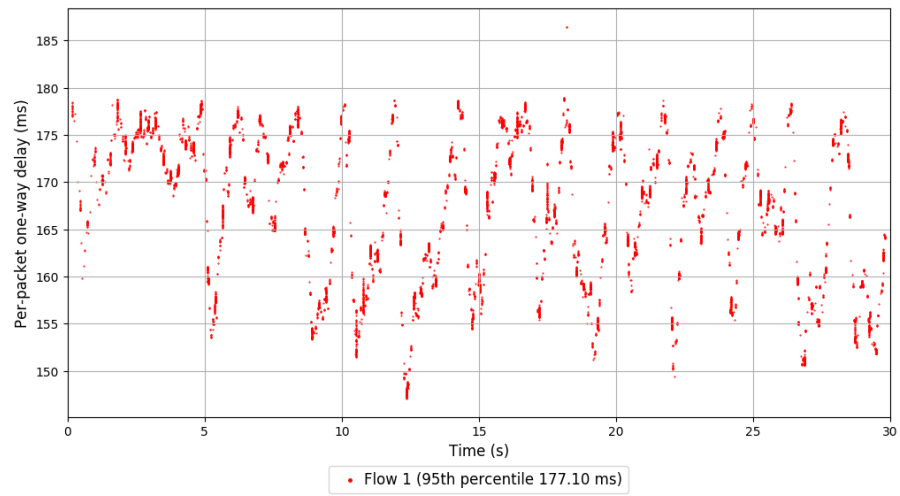
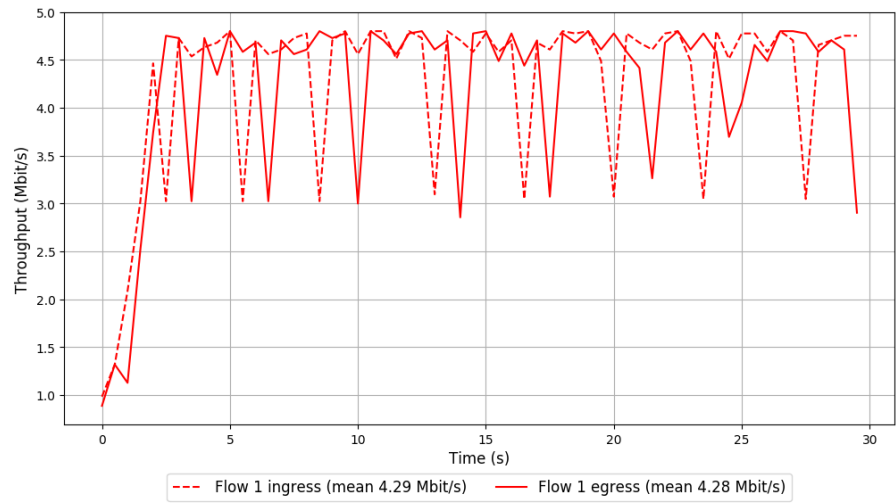
Average throughput: 4.28 Mbit/s

95th percentile per-packet one-way delay: 177.099 ms

Loss rate: 1.26%



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



Run 10: Statistics of KohoCC

Start at: Sun, 09 Jul 2017 08:55:32 +0000

End at: Sun, 09 Jul 2017 08:56:02 +0000

Local clock offset: 4.836 ms

Remote clock offset: -0.118 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:03 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 148.152 ms

Loss rate: 0.82%

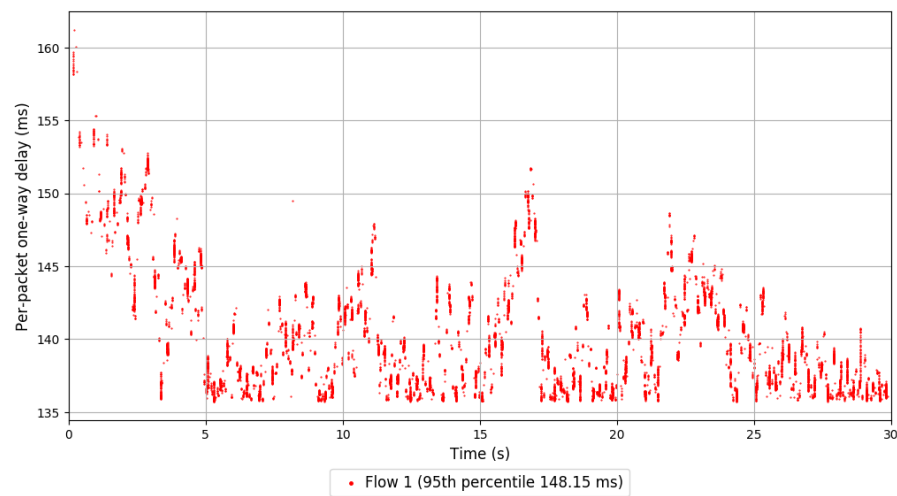
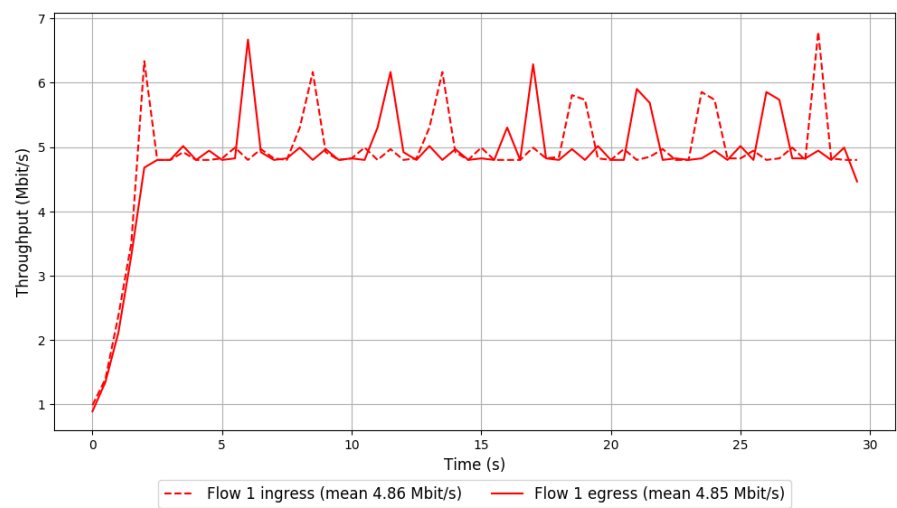
-- Flow 1:

Average throughput: 4.85 Mbit/s

95th percentile per-packet one-way delay: 148.152 ms

Loss rate: 0.82%

Run 10: Report of KohoCC — Data Link



Run 1: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 06:11:38 +0000

End at: Sun, 09 Jul 2017 06:12:08 +0000

Local clock offset: 3.314 ms

Remote clock offset: -0.177 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:04 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.27 Mbit/s

95th percentile per-packet one-way delay: 141.400 ms

Loss rate: 1.59%

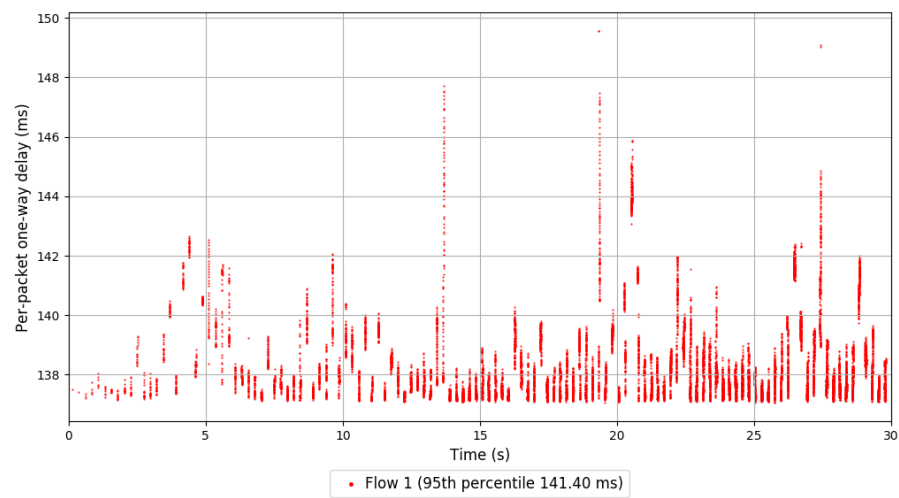
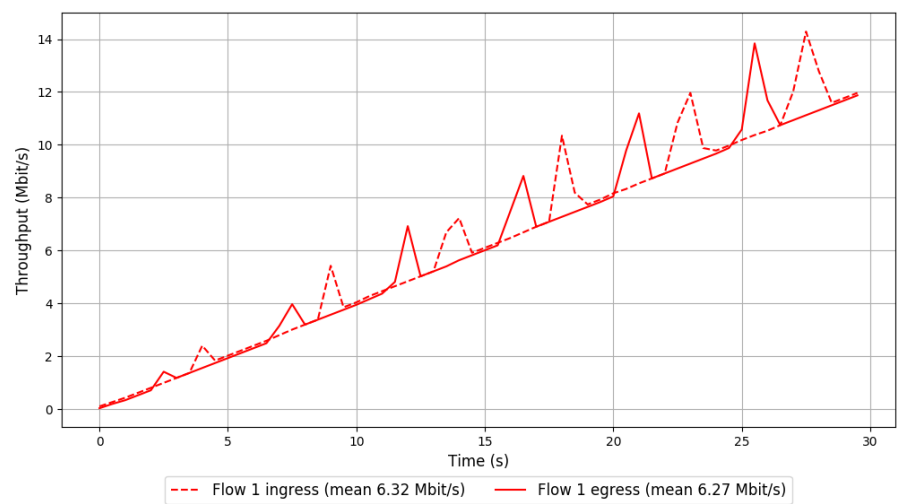
-- Flow 1:

Average throughput: 6.27 Mbit/s

95th percentile per-packet one-way delay: 141.400 ms

Loss rate: 1.59%

Run 1: Report of LEDBAT — Data Link



Run 2: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 06:29:55 +0000

End at: Sun, 09 Jul 2017 06:30:25 +0000

Local clock offset: 2.722 ms

Remote clock offset: -0.21 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:05 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.08 Mbit/s

95th percentile per-packet one-way delay: 145.093 ms

Loss rate: 1.61%

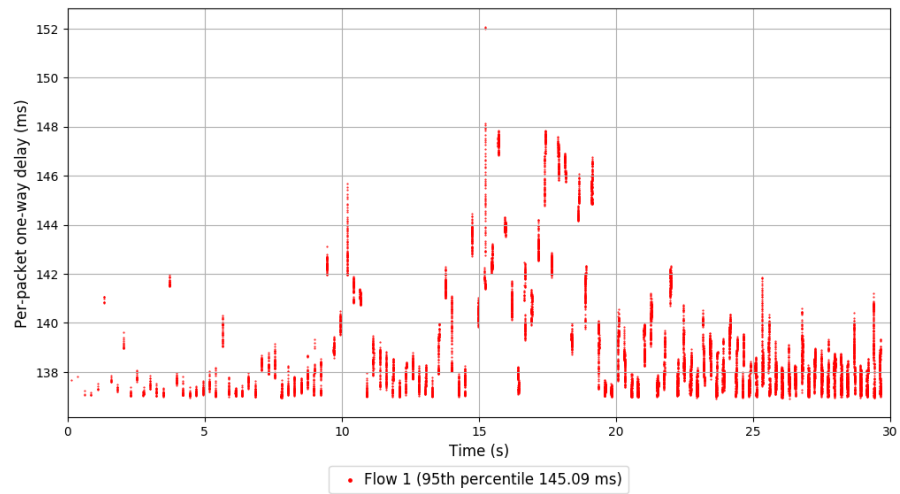
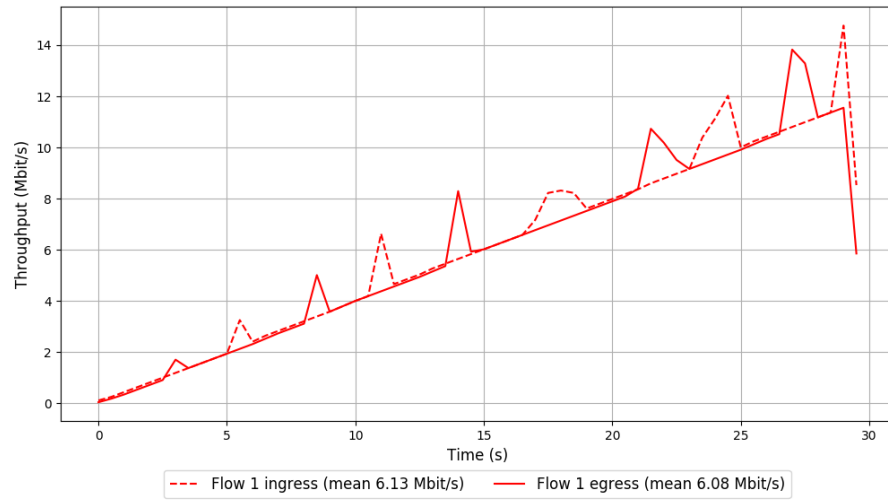
-- Flow 1:

Average throughput: 6.08 Mbit/s

95th percentile per-packet one-way delay: 145.093 ms

Loss rate: 1.61%

## Run 2: Report of LEDBAT — Data Link



Run 3: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 06:48:35 +0000

End at: Sun, 09 Jul 2017 06:49:05 +0000

Local clock offset: 5.032 ms

Remote clock offset: -0.26 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:05 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.57 Mbit/s

95th percentile per-packet one-way delay: 176.869 ms

Loss rate: 2.02%

-- Flow 1:

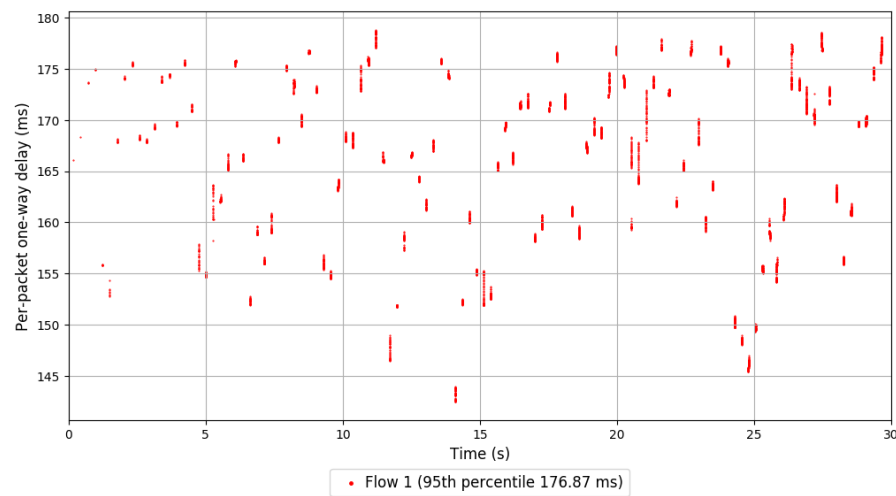
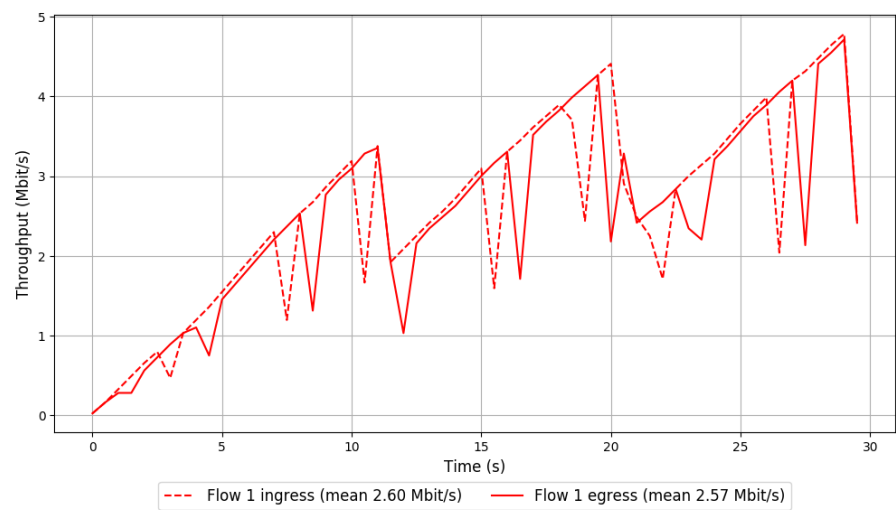
Average throughput: 2.57 Mbit/s

95th percentile per-packet one-way delay: 176.869 ms

Loss rate: 2.02%



Run 3: Report of LEDBAT — Data Link



Run 4: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 07:08:17 +0000

End at: Sun, 09 Jul 2017 07:08:47 +0000

Local clock offset: 5.19 ms

Remote clock offset: -0.417 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:06 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.69 Mbit/s

95th percentile per-packet one-way delay: 166.471 ms

Loss rate: 0.89%

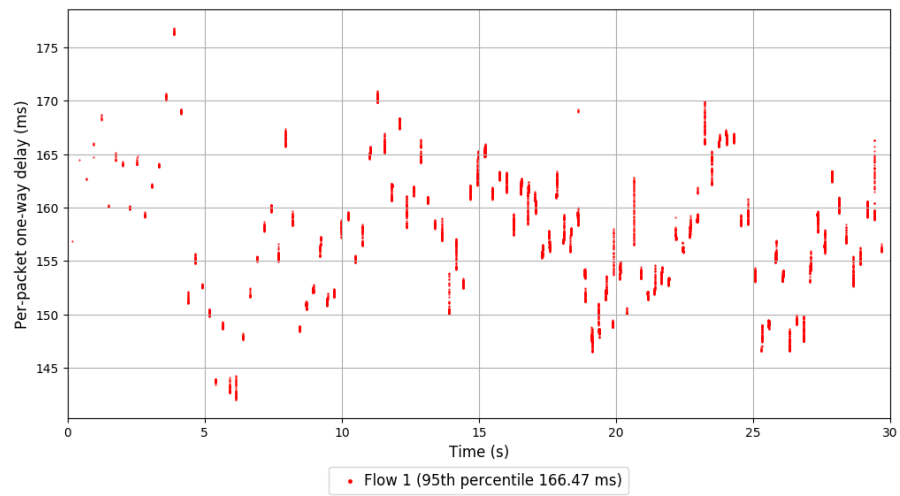
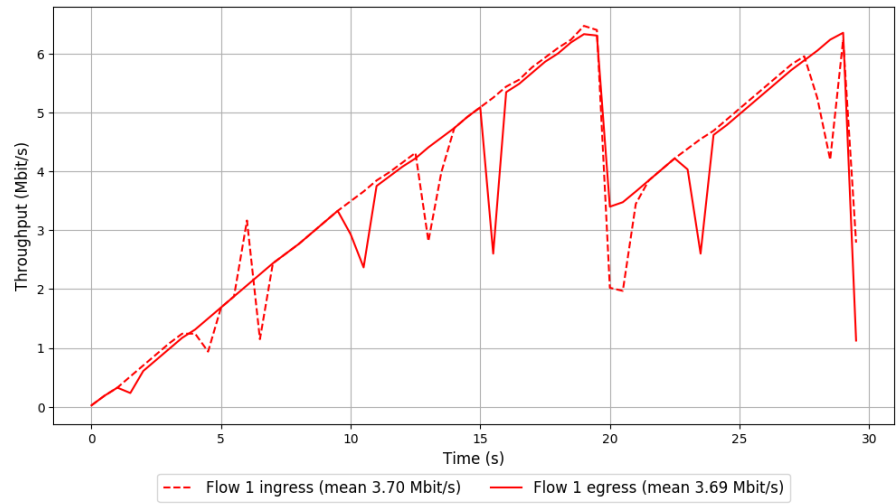
-- Flow 1:

Average throughput: 3.69 Mbit/s

95th percentile per-packet one-way delay: 166.471 ms

Loss rate: 0.89%

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



Run 5: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 07:26:32 +0000

End at: Sun, 09 Jul 2017 07:27:02 +0000

Local clock offset: 3.741 ms

Remote clock offset: -0.453 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:07 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.09 Mbit/s

95th percentile per-packet one-way delay: 138.924 ms

Loss rate: 1.61%

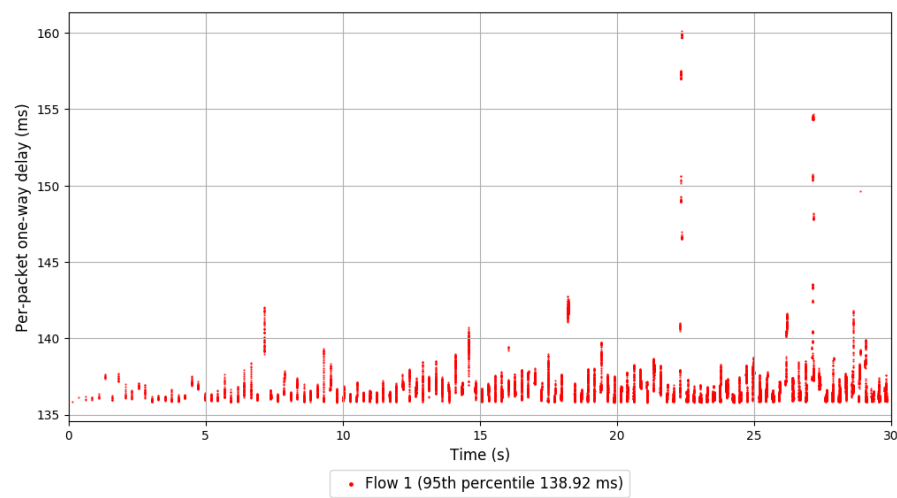
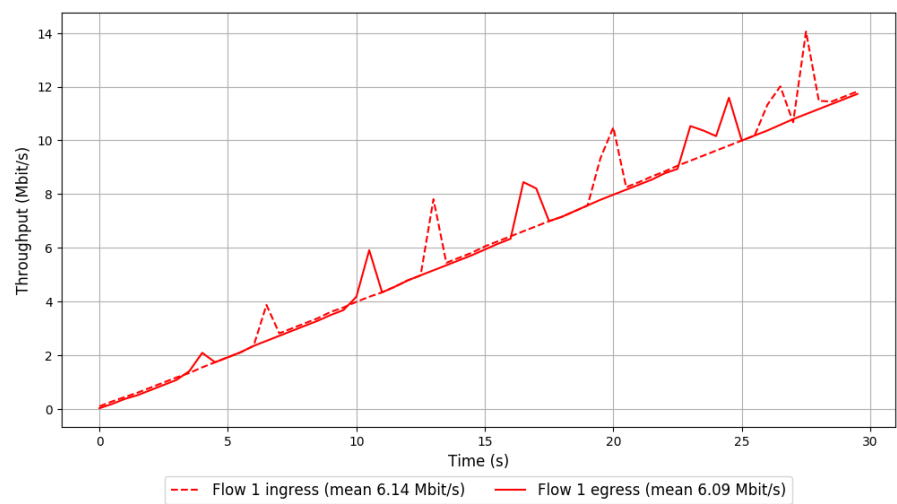
-- Flow 1:

Average throughput: 6.09 Mbit/s

95th percentile per-packet one-way delay: 138.924 ms

Loss rate: 1.61%

Run 5: Report of LEDBAT — Data Link



Run 6: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 07:45:12 +0000

End at: Sun, 09 Jul 2017 07:45:42 +0000

Local clock offset: 5.699 ms

Remote clock offset: -0.49 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:08 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.35 Mbit/s

95th percentile per-packet one-way delay: 172.945 ms

Loss rate: 1.68%

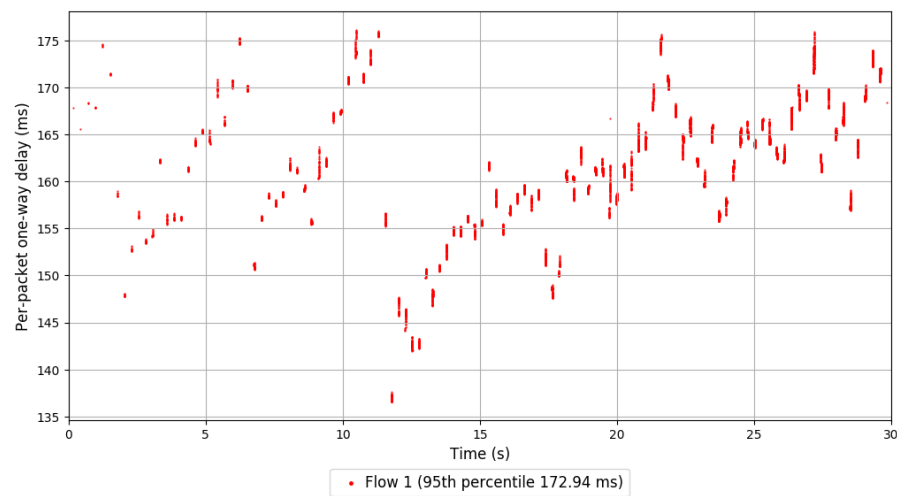
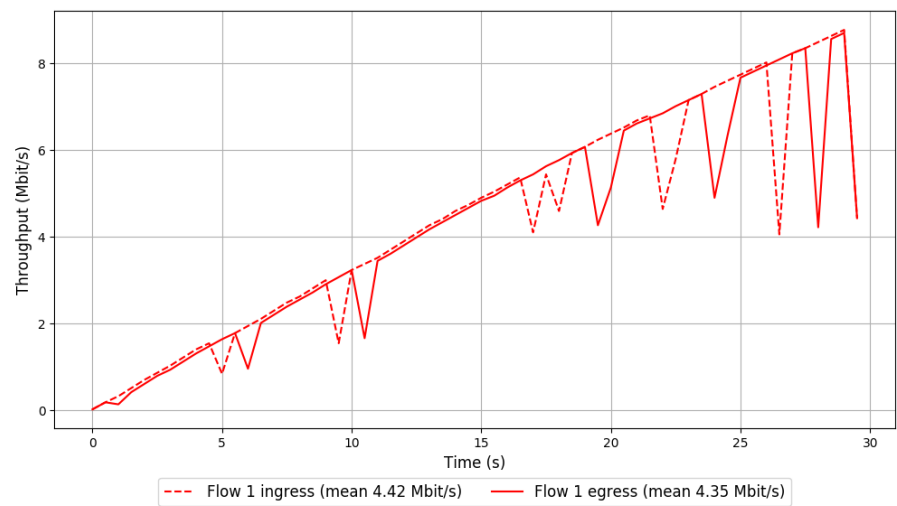
-- Flow 1:

Average throughput: 4.35 Mbit/s

95th percentile per-packet one-way delay: 172.945 ms

Loss rate: 1.68%

Run 6: Report of LEDBAT — Data Link



Run 7: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 08:03:27 +0000

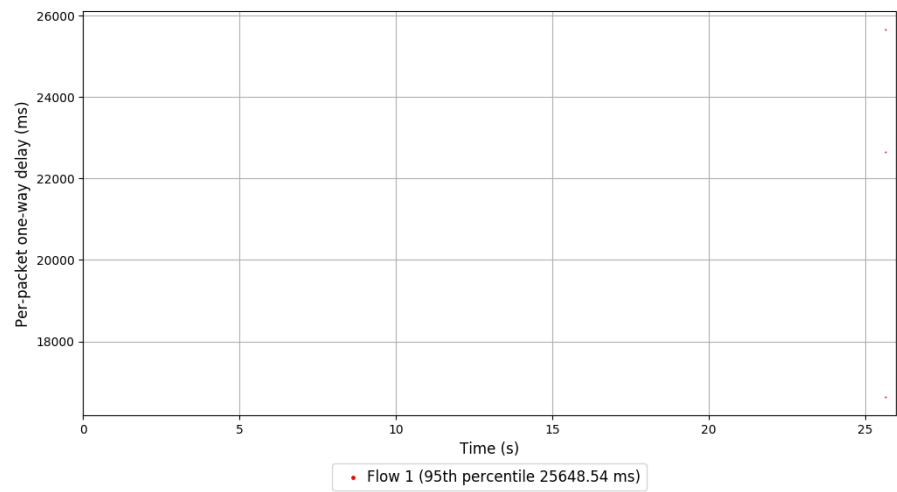
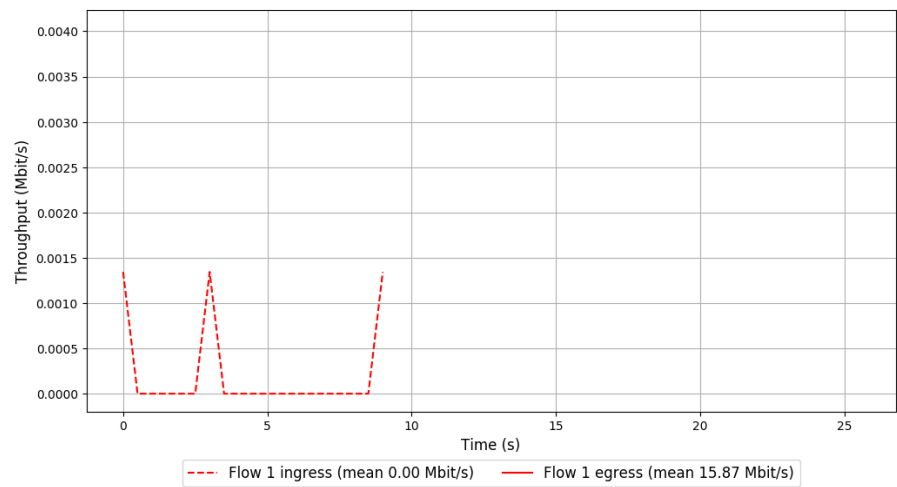
End at: Sun, 09 Jul 2017 08:03:57 +0000

Local clock offset: 5.488 ms

Remote clock offset: -0.341 ms



Run 7: Report of LEDBAT — Data Link



Run 8: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 08:21:51 +0000

End at: Sun, 09 Jul 2017 08:22:21 +0000

Local clock offset: 5.776 ms

Remote clock offset: -0.341 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:10 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.29 Mbit/s

95th percentile per-packet one-way delay: 140.386 ms

Loss rate: 1.59%

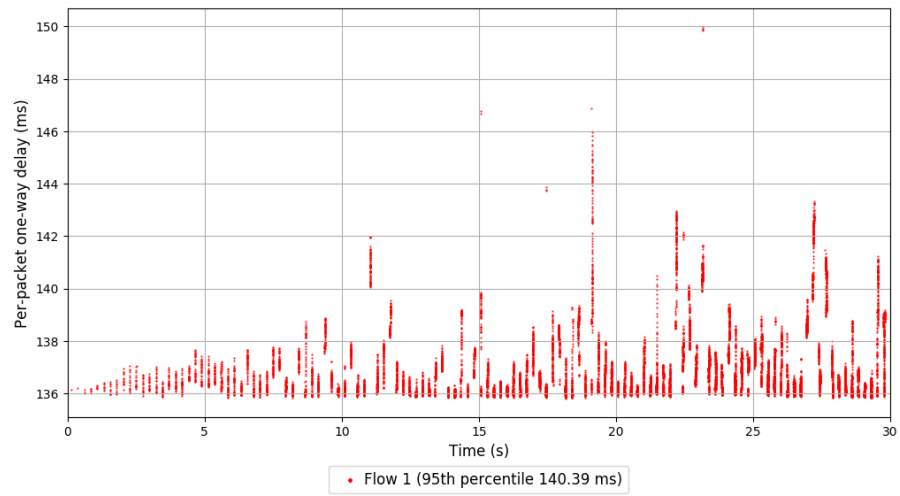
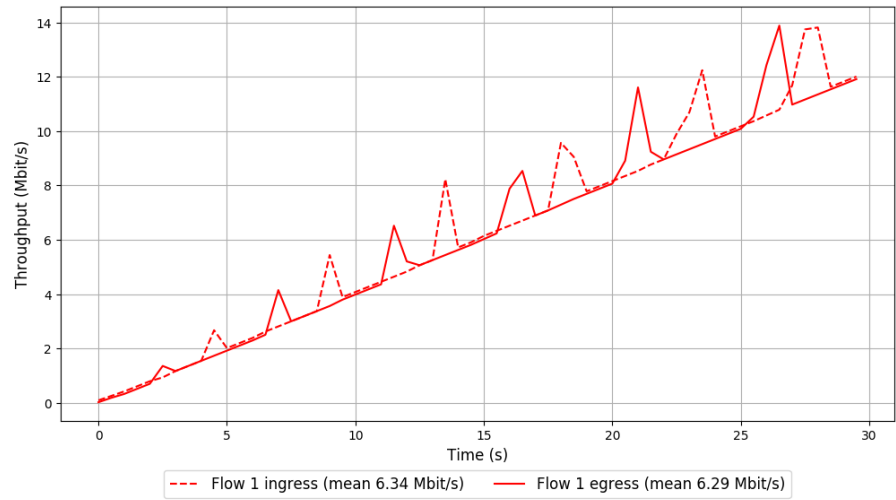
-- Flow 1:

Average throughput: 6.29 Mbit/s

95th percentile per-packet one-way delay: 140.386 ms

Loss rate: 1.59%

## Run 8: Report of LEDBAT — Data Link



Run 9: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 08:41:07 +0000

End at: Sun, 09 Jul 2017 08:41:37 +0000

Local clock offset: 5.84 ms

Remote clock offset: -0.126 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:10 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.22 Mbit/s

95th percentile per-packet one-way delay: 177.335 ms

Loss rate: 2.32%

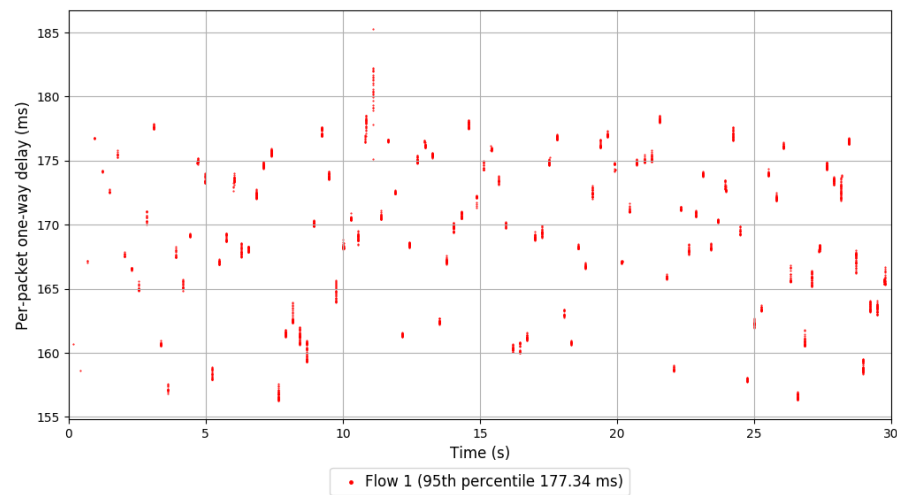
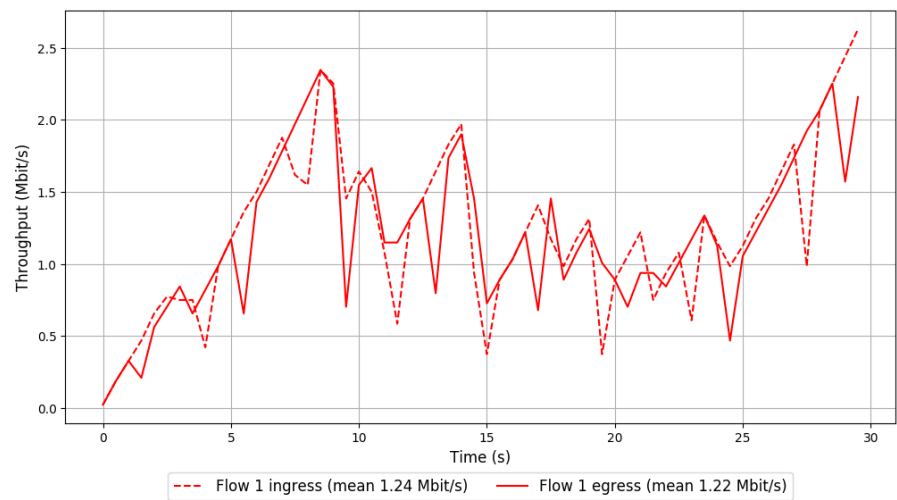
-- Flow 1:

Average throughput: 1.22 Mbit/s

95th percentile per-packet one-way delay: 177.335 ms

Loss rate: 2.32%

Run 9: Report of LEDBAT — Data Link



Run 10: Statistics of LEDBAT

Start at: Sun, 09 Jul 2017 09:00:19 +0000

End at: Sun, 09 Jul 2017 09:00:49 +0000

Local clock offset: 5.938 ms

Remote clock offset: -0.07 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:11 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.11 Mbit/s

95th percentile per-packet one-way delay: 139.455 ms

Loss rate: 1.15%

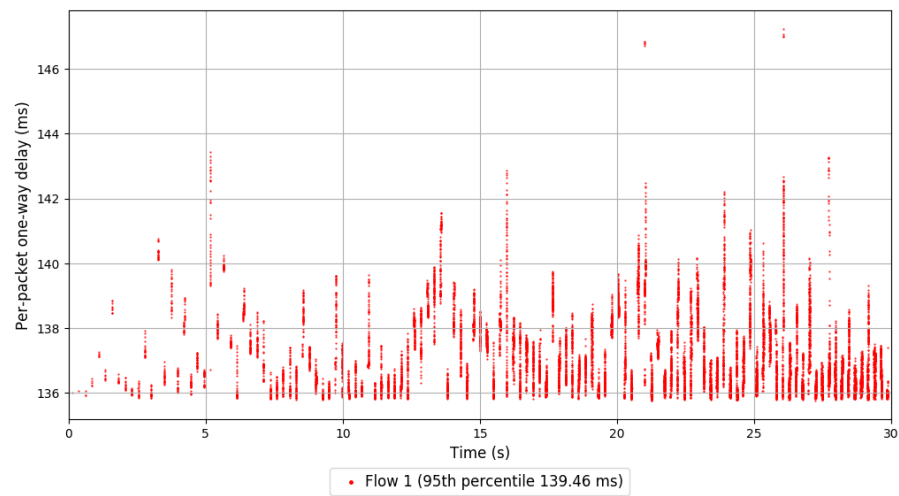
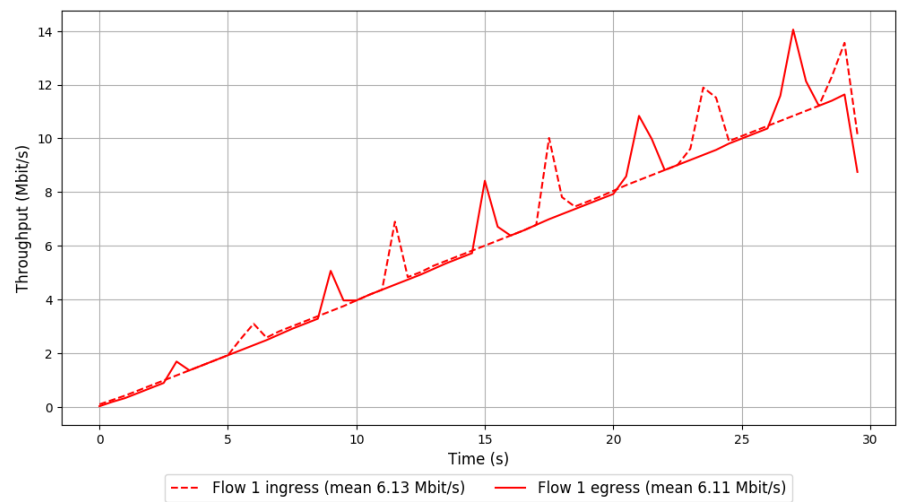
-- Flow 1:

Average throughput: 6.11 Mbit/s

95th percentile per-packet one-way delay: 139.455 ms

Loss rate: 1.15%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC

Start at: Sun, 09 Jul 2017 06:10:26 +0000

End at: Sun, 09 Jul 2017 06:10:56 +0000

Local clock offset: 3.319 ms

Remote clock offset: -0.206 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:12 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 8.37 Mbit/s

95th percentile per-packet one-way delay: 140.099 ms

Loss rate: 0.83%

-- Flow 1:

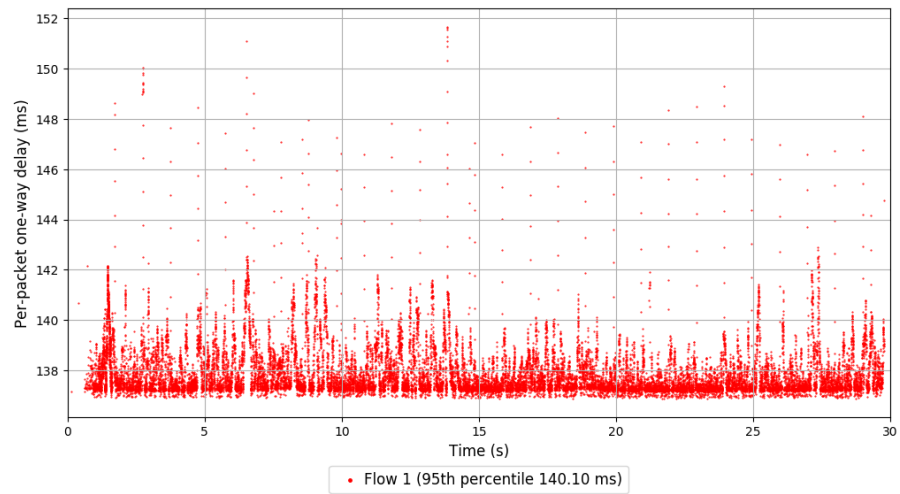
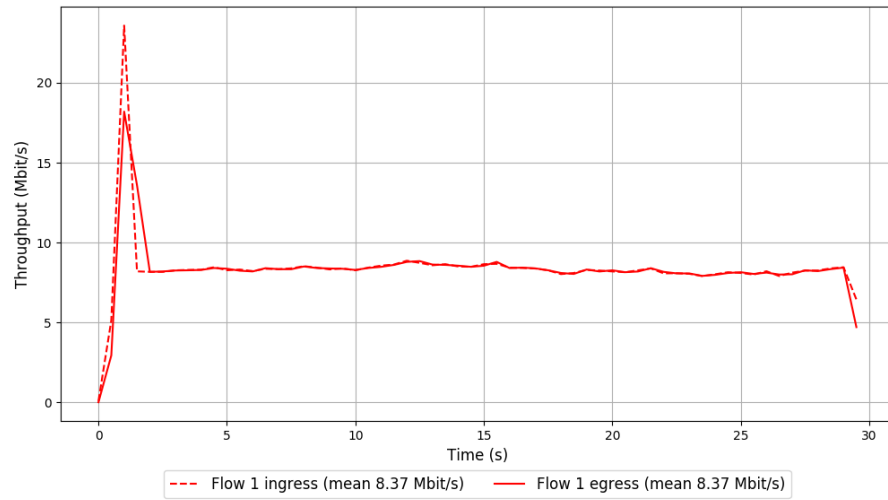
Average throughput: 8.37 Mbit/s

95th percentile per-packet one-way delay: 140.099 ms

Loss rate: 0.83%



### Run 1: Report of PCC — Data Link



Run 2: Statistics of PCC

Start at: Sun, 09 Jul 2017 06:28:43 +0000

End at: Sun, 09 Jul 2017 06:29:13 +0000

Local clock offset: 3.47 ms

Remote clock offset: -0.229 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:17 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 33.12 Mbit/s

95th percentile per-packet one-way delay: 147.342 ms

Loss rate: 1.16%

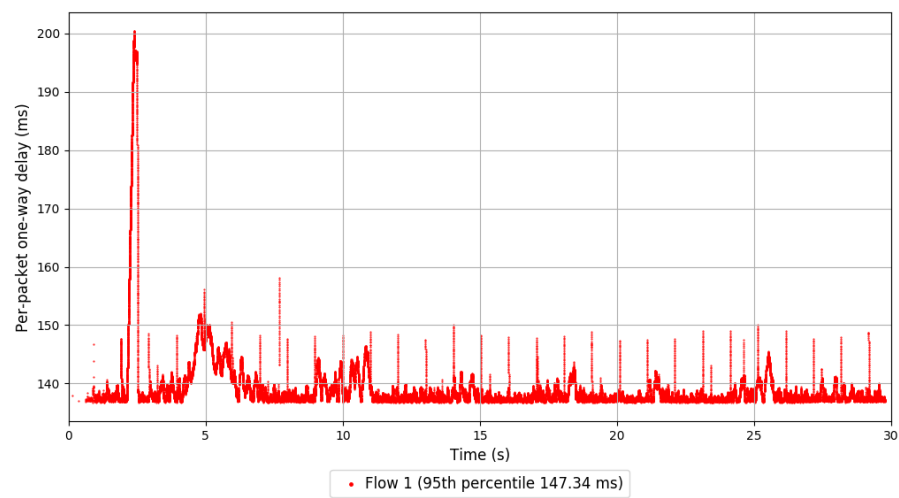
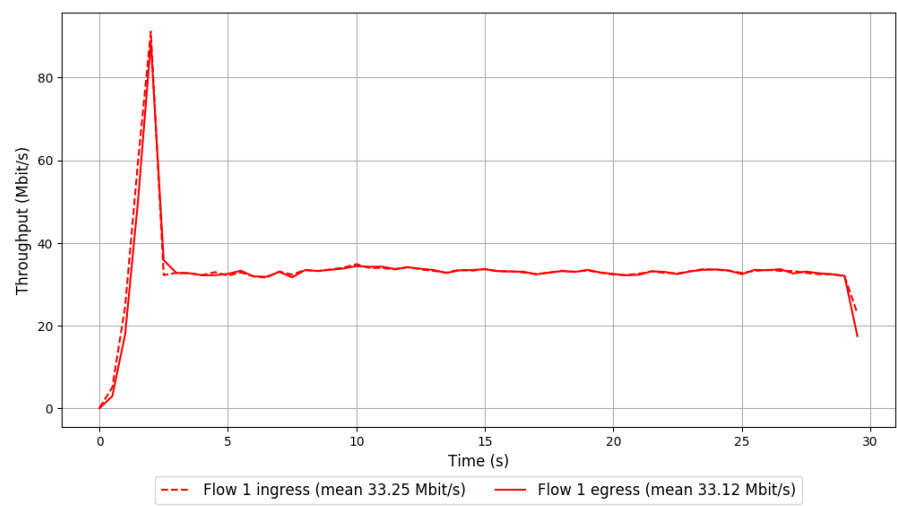
-- Flow 1:

Average throughput: 33.12 Mbit/s

95th percentile per-packet one-way delay: 147.342 ms

Loss rate: 1.16%

Run 2: Report of PCC — Data Link



Run 3: Statistics of PCC

Start at: Sun, 09 Jul 2017 06:47:23 +0000

End at: Sun, 09 Jul 2017 06:47:53 +0000

Local clock offset: 5.062 ms

Remote clock offset: -0.225 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:17 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.27 Mbit/s

95th percentile per-packet one-way delay: 177.515 ms

Loss rate: 1.12%

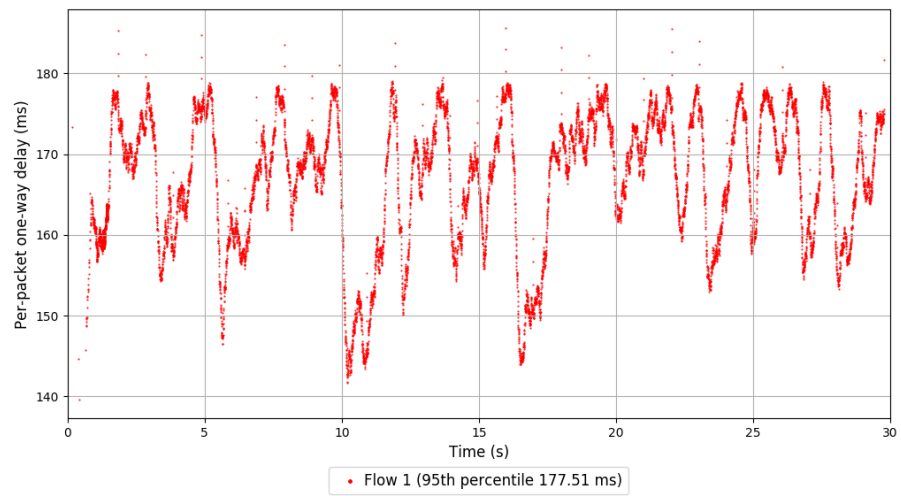
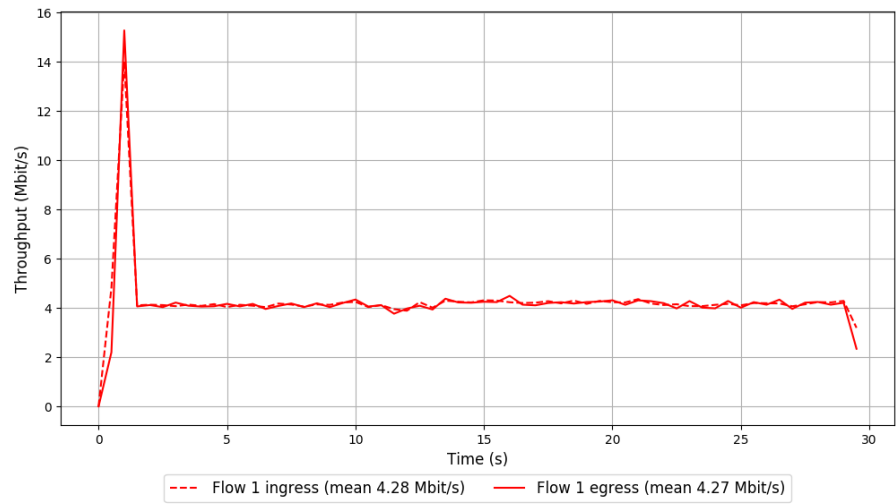
-- Flow 1:

Average throughput: 4.27 Mbit/s

95th percentile per-packet one-way delay: 177.515 ms

Loss rate: 1.12%

### Run 3: Report of PCC — Data Link



Run 4: Statistics of PCC

Start at: Sun, 09 Jul 2017 07:07:01 +0000

End at: Sun, 09 Jul 2017 07:07:31 +0000

Local clock offset: 4.112 ms

Remote clock offset: -0.357 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:17 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 173.592 ms

Loss rate: 0.93%

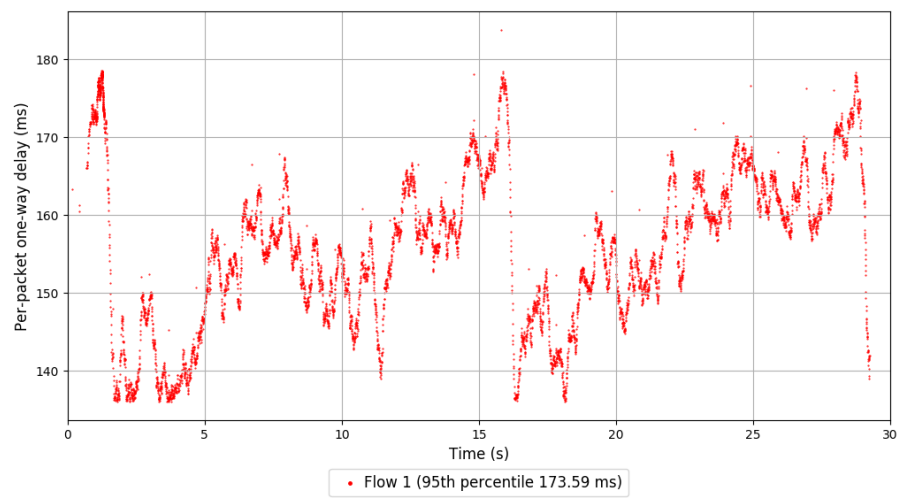
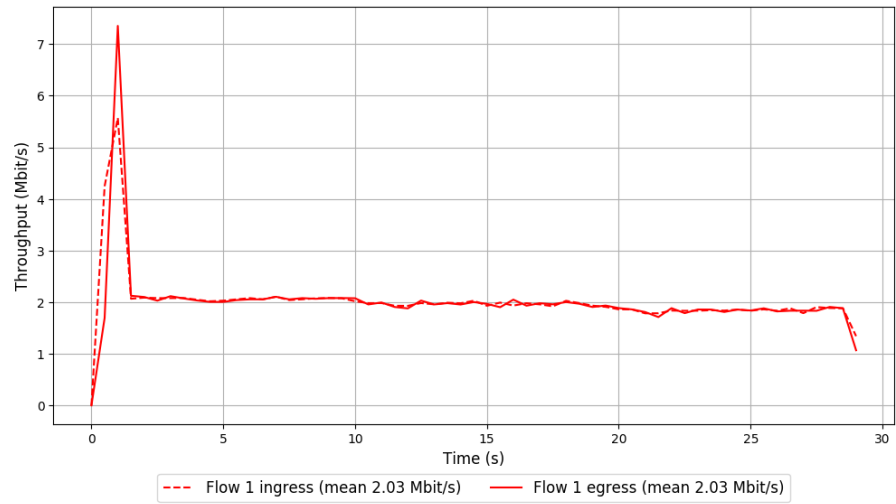
-- Flow 1:

Average throughput: 2.03 Mbit/s

95th percentile per-packet one-way delay: 173.592 ms

Loss rate: 0.93%

#### Run 4: Report of PCC — Data Link



Run 5: Statistics of PCC

Start at: Sun, 09 Jul 2017 07:25:19 +0000

End at: Sun, 09 Jul 2017 07:25:49 +0000

Local clock offset: 4.27 ms

Remote clock offset: -0.613 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:19 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 32.77 Mbit/s

95th percentile per-packet one-way delay: 145.350 ms

Loss rate: 1.25%

-- Flow 1:

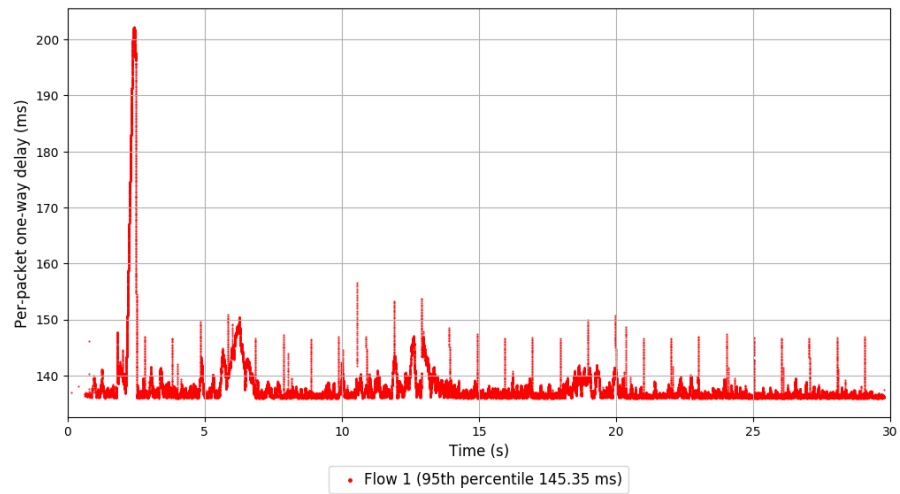
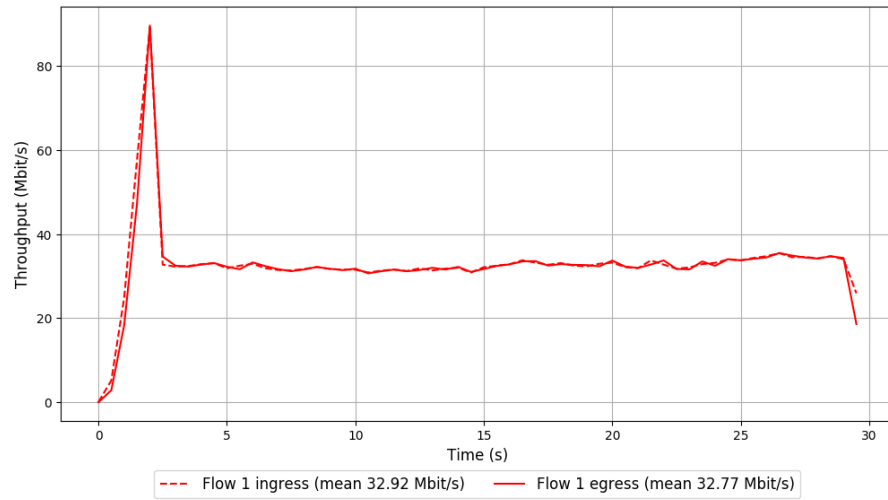
Average throughput: 32.77 Mbit/s

95th percentile per-packet one-way delay: 145.350 ms

Loss rate: 1.25%



### Run 5: Report of PCC — Data Link



Run 6: Statistics of PCC

Start at: Sun, 09 Jul 2017 07:43:58 +0000

End at: Sun, 09 Jul 2017 07:44:28 +0000

Local clock offset: 4.148 ms

Remote clock offset: -0.51 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:22 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 35.03 Mbit/s

95th percentile per-packet one-way delay: 173.802 ms

Loss rate: 1.38%

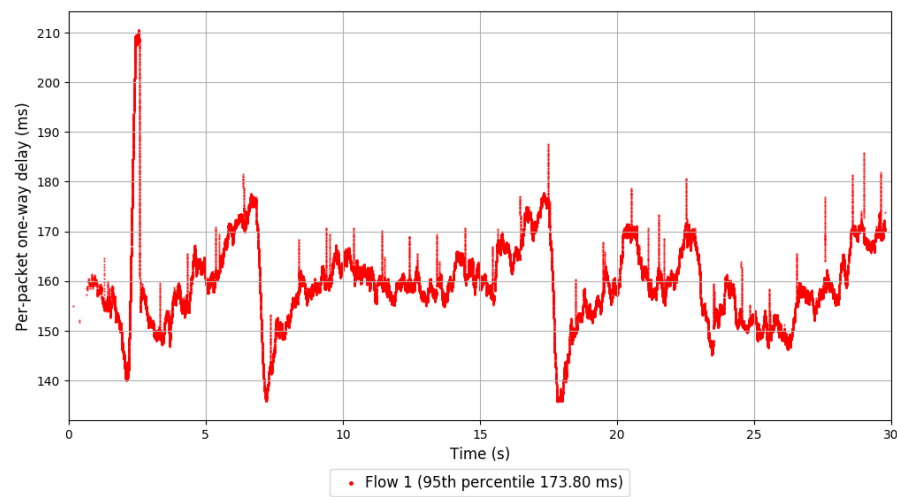
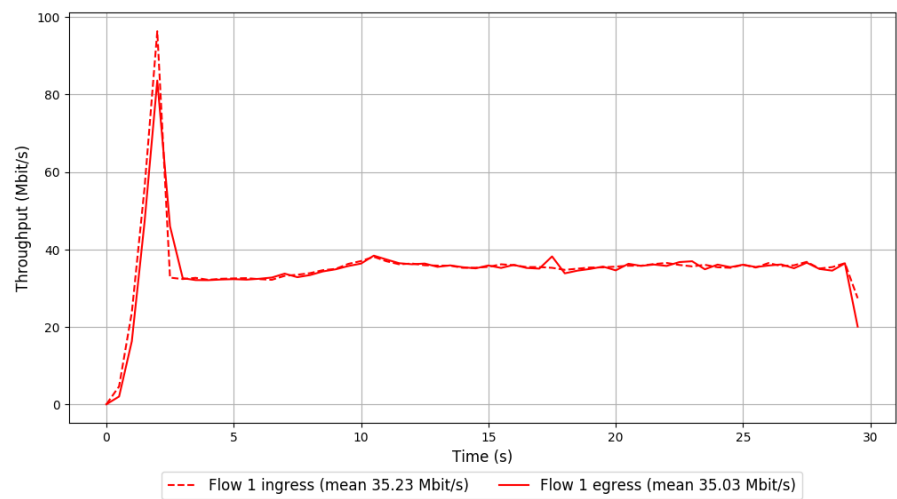
-- Flow 1:

Average throughput: 35.03 Mbit/s

95th percentile per-packet one-way delay: 173.802 ms

Loss rate: 1.38%

Run 6: Report of PCC — Data Link



Run 7: Statistics of PCC

Start at: Sun, 09 Jul 2017 08:02:14 +0000

End at: Sun, 09 Jul 2017 08:02:44 +0000

Local clock offset: 5.499 ms

Remote clock offset: -0.436 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:25 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 35.51 Mbit/s

95th percentile per-packet one-way delay: 144.808 ms

Loss rate: 1.26%

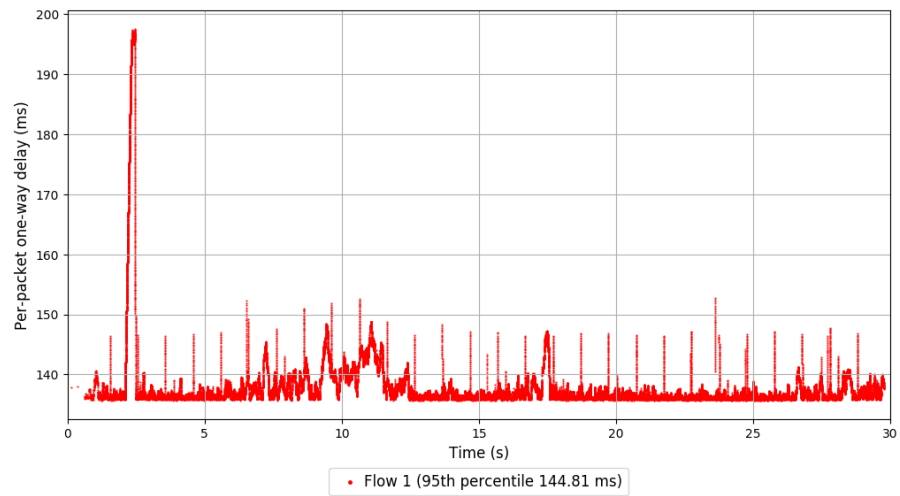
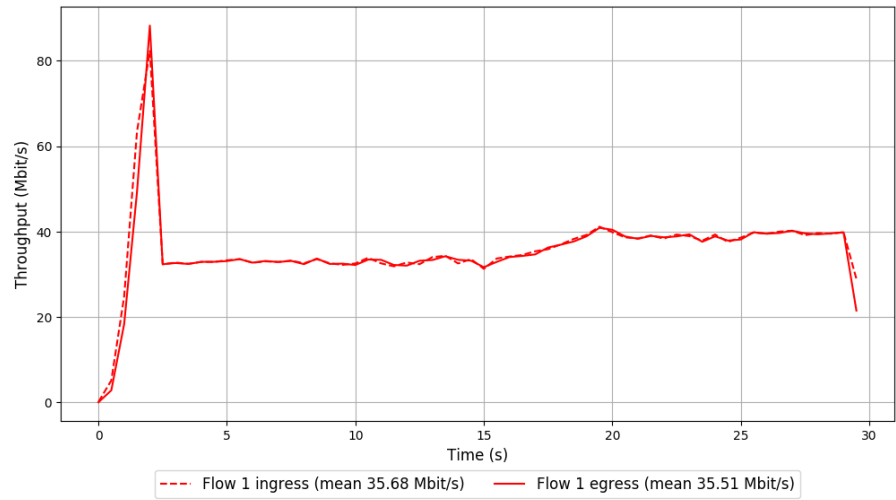
-- Flow 1:

Average throughput: 35.51 Mbit/s

95th percentile per-packet one-way delay: 144.808 ms

Loss rate: 1.26%

### Run 7: Report of PCC — Data Link



Run 8: Statistics of PCC

Start at: Sun, 09 Jul 2017 08:20:34 +0000

End at: Sun, 09 Jul 2017 08:21:04 +0000

Local clock offset: 4.639 ms

Remote clock offset: -0.271 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:27 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 30.82 Mbit/s

95th percentile per-packet one-way delay: 140.199 ms

Loss rate: 1.14%

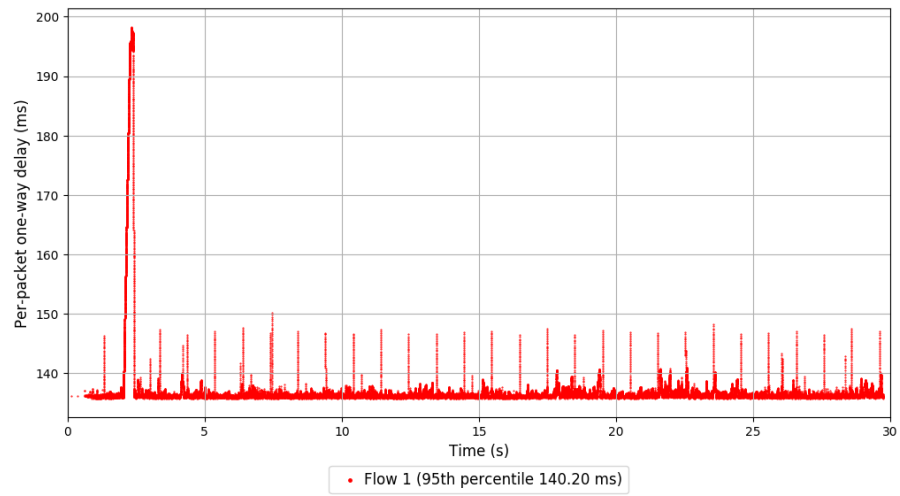
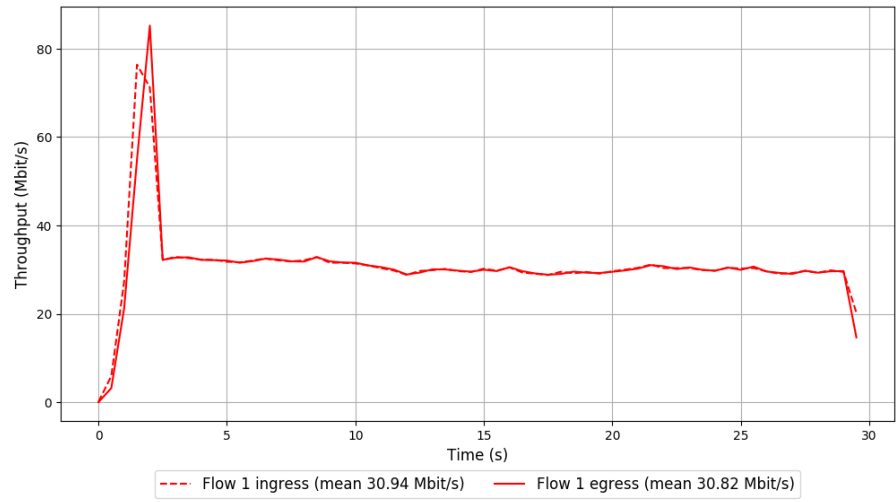
-- Flow 1:

Average throughput: 30.82 Mbit/s

95th percentile per-packet one-way delay: 140.199 ms

Loss rate: 1.14%

## Run 8: Report of PCC — Data Link



Run 9: Statistics of PCC

Start at: Sun, 09 Jul 2017 08:39:41 +0000

End at: Sun, 09 Jul 2017 08:40:11 +0000

Local clock offset: 4.696 ms

Remote clock offset: -0.234 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:30 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 32.67 Mbit/s

95th percentile per-packet one-way delay: 177.732 ms

Loss rate: 1.68%

-- Flow 1:

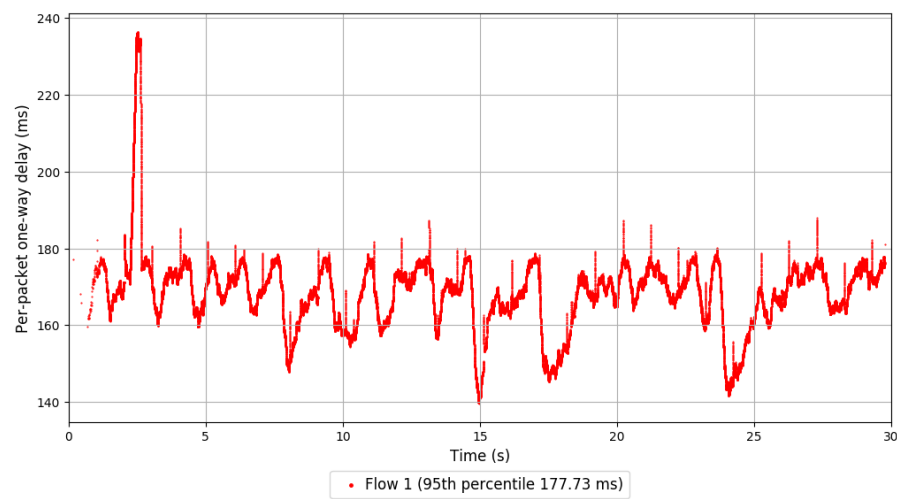
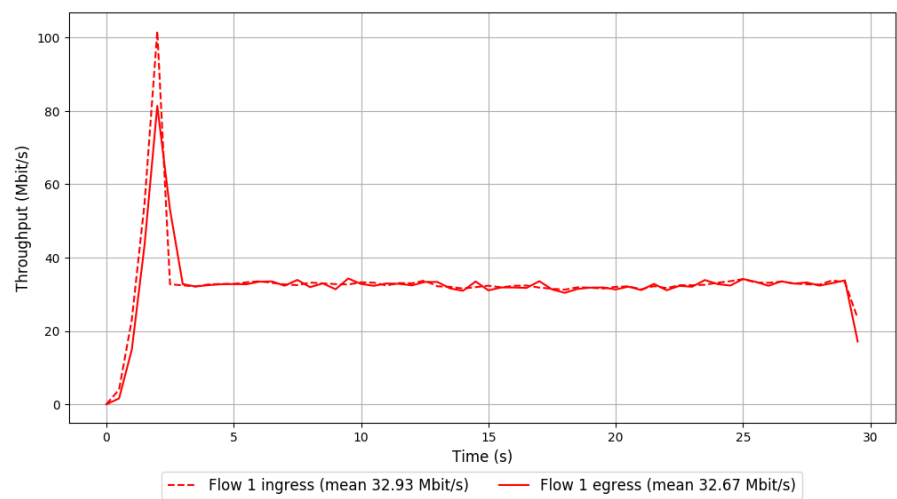
Average throughput: 32.67 Mbit/s

95th percentile per-packet one-way delay: 177.732 ms

Loss rate: 1.68%



Run 9: Report of PCC — Data Link



Run 10: Statistics of PCC

Start at: Sun, 09 Jul 2017 08:59:06 +0000

End at: Sun, 09 Jul 2017 08:59:36 +0000

Local clock offset: 4.785 ms

Remote clock offset: -0.052 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:32 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 33.93 Mbit/s

95th percentile per-packet one-way delay: 140.847 ms

Loss rate: 1.22%

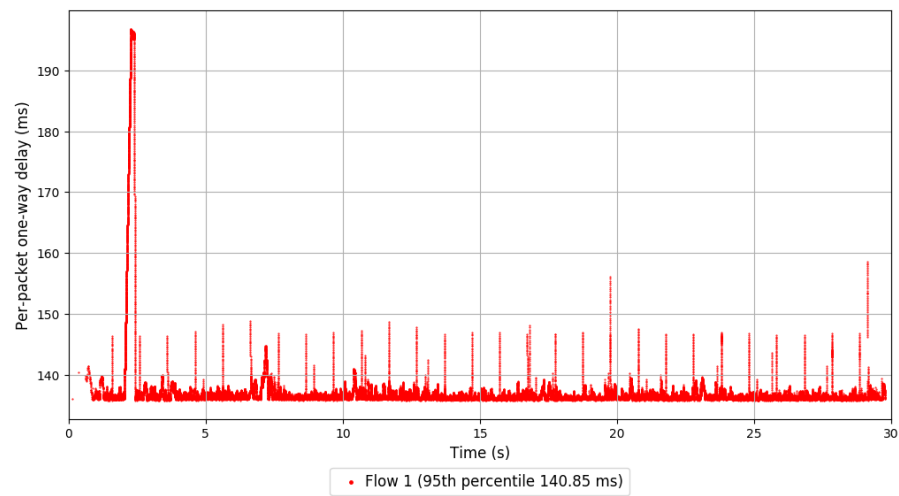
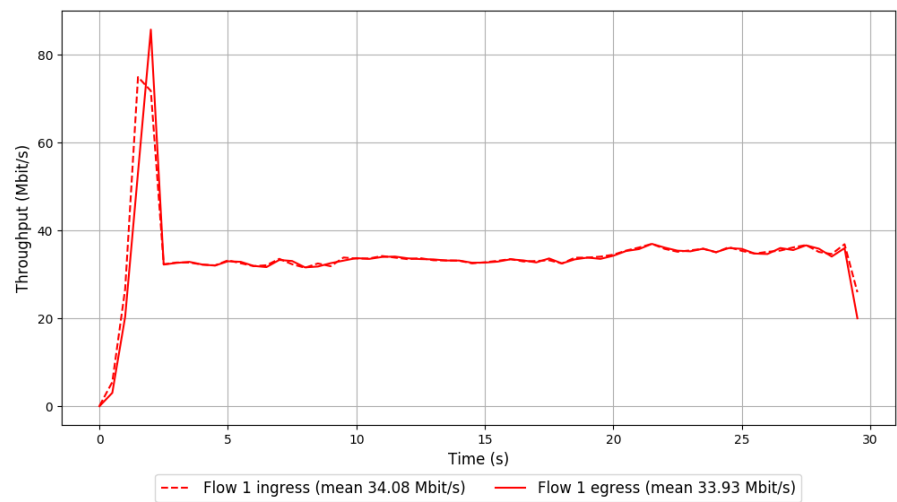
-- Flow 1:

Average throughput: 33.93 Mbit/s

95th percentile per-packet one-way delay: 140.847 ms

Loss rate: 1.22%

Run 10: Report of PCC — Data Link



Run 1: Statistics of QUIC Cubic

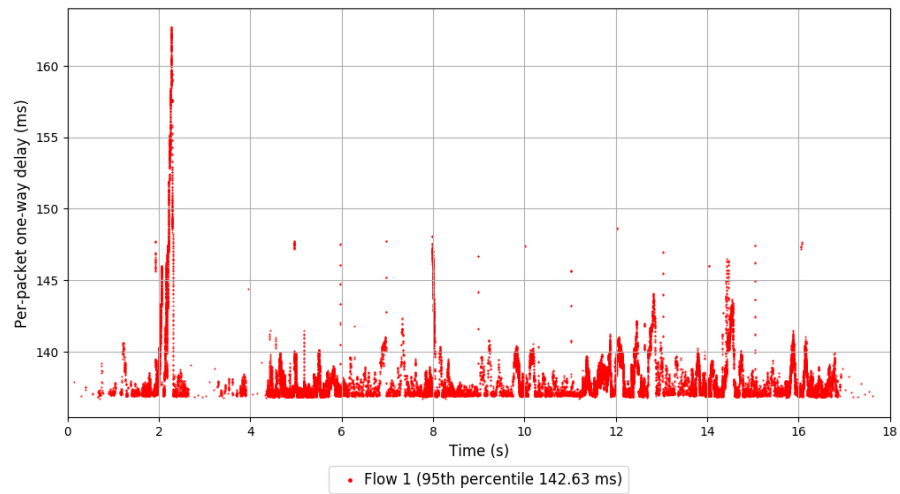
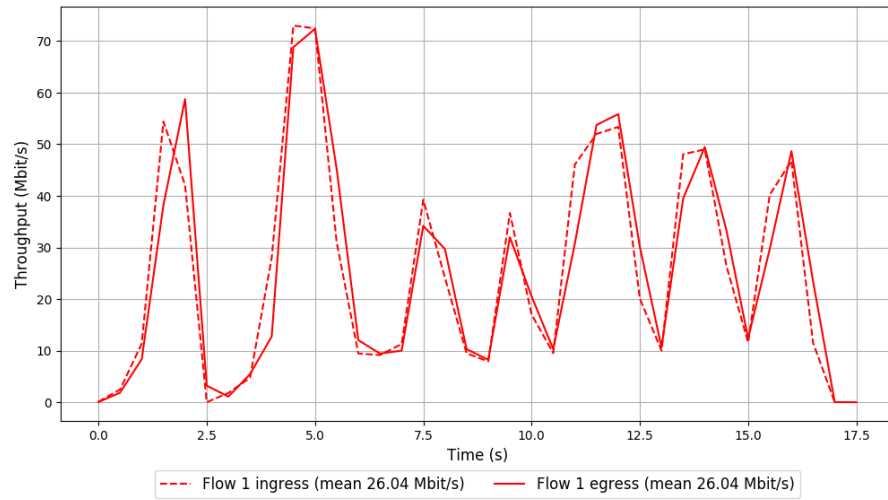
Start at: Sun, 09 Jul 2017 06:17:45 +0000

End at: Sun, 09 Jul 2017 06:18:15 +0000

Local clock offset: 3.351 ms

Remote clock offset: -0.252 ms

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



Run 2: Statistics of QUIC Cubic

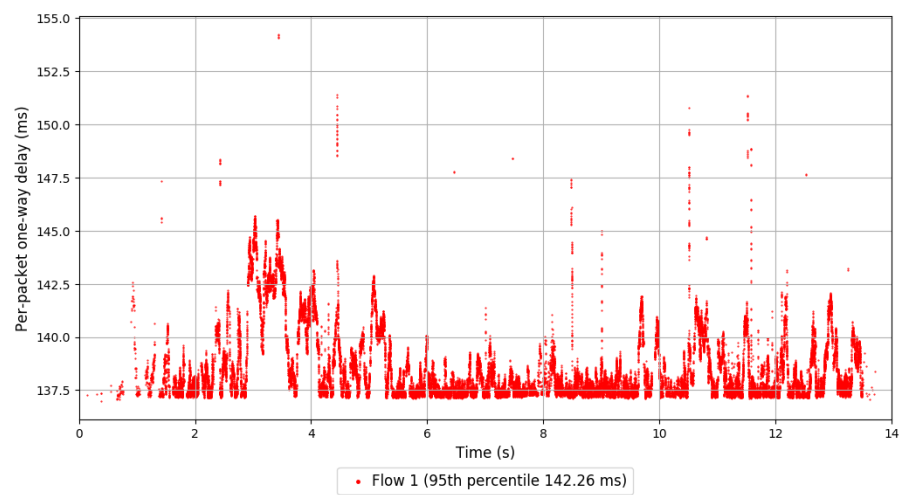
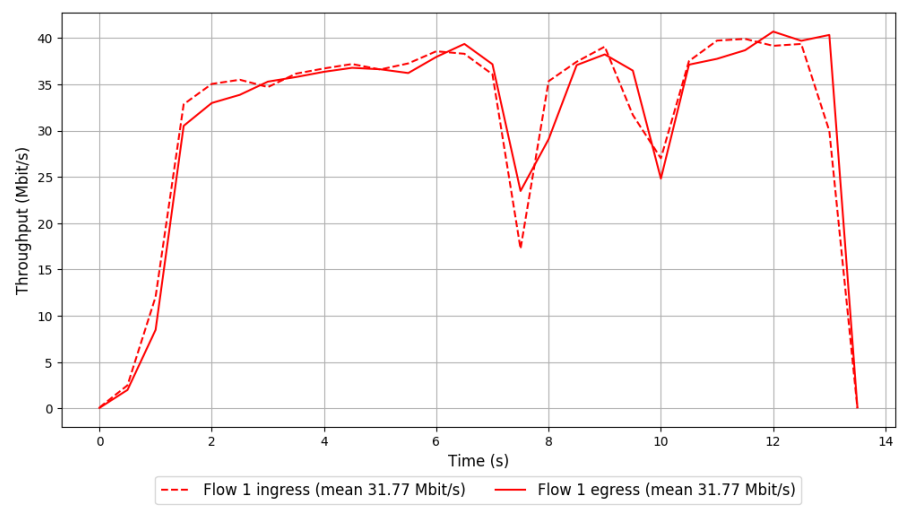
Start at: Sun, 09 Jul 2017 06:36:24 +0000

End at: Sun, 09 Jul 2017 06:36:54 +0000

Local clock offset: 3.518 ms

Remote clock offset: -0.197 ms

Run 2: Report of QUIC Cubic — Data Link



Run 3: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 06:55:25 +0000

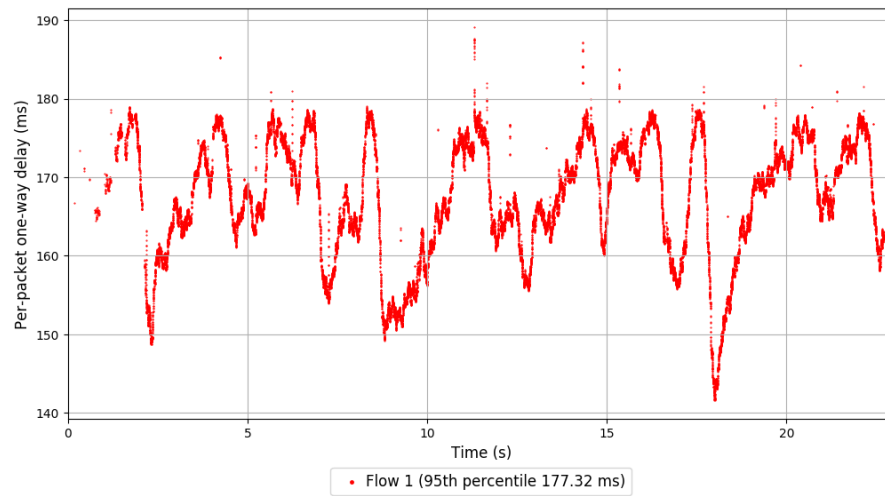
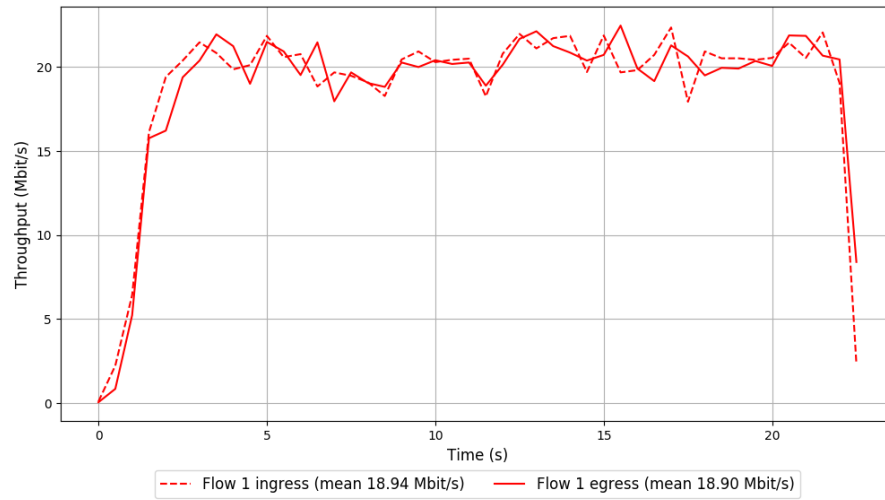
End at: Sun, 09 Jul 2017 06:55:55 +0000

Local clock offset: 4.903 ms

Remote clock offset: -0.274 ms



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



Run 4: Statistics of QUIC Cubic

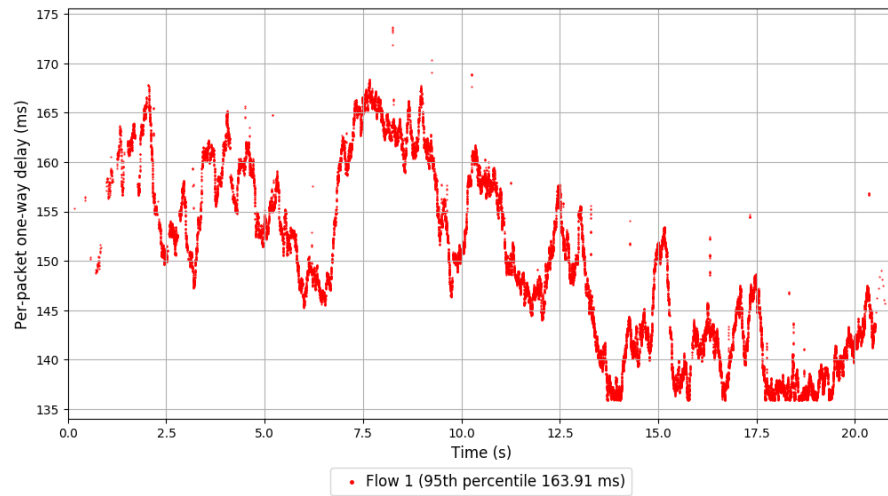
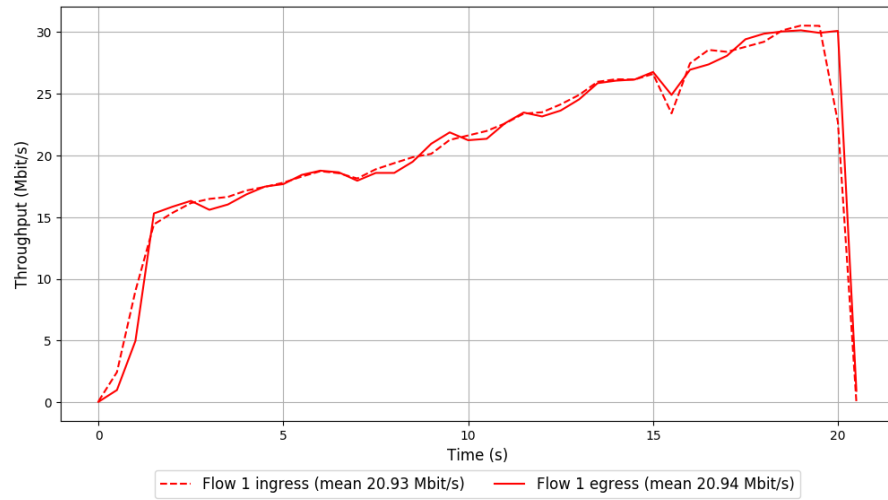
Start at: Sun, 09 Jul 2017 07:14:28 +0000

End at: Sun, 09 Jul 2017 07:14:58 +0000

Local clock offset: 4.068 ms

Remote clock offset: -0.395 ms

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



Run 5: Statistics of QUIC Cubic

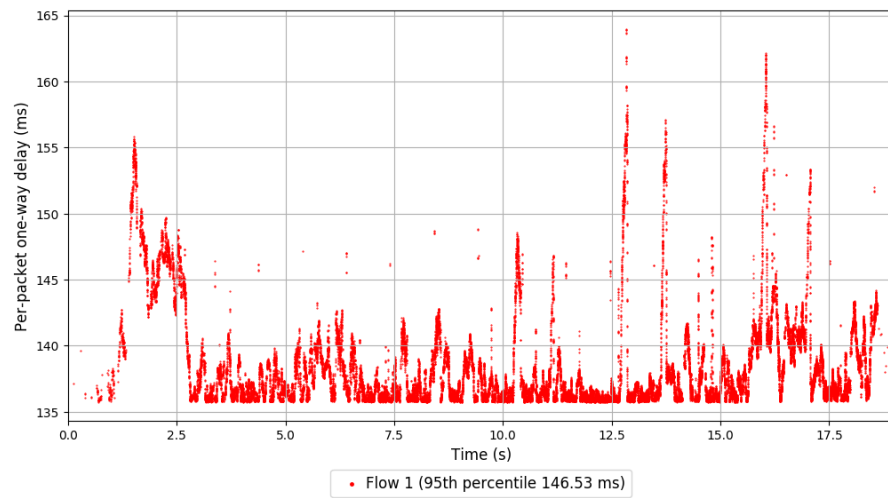
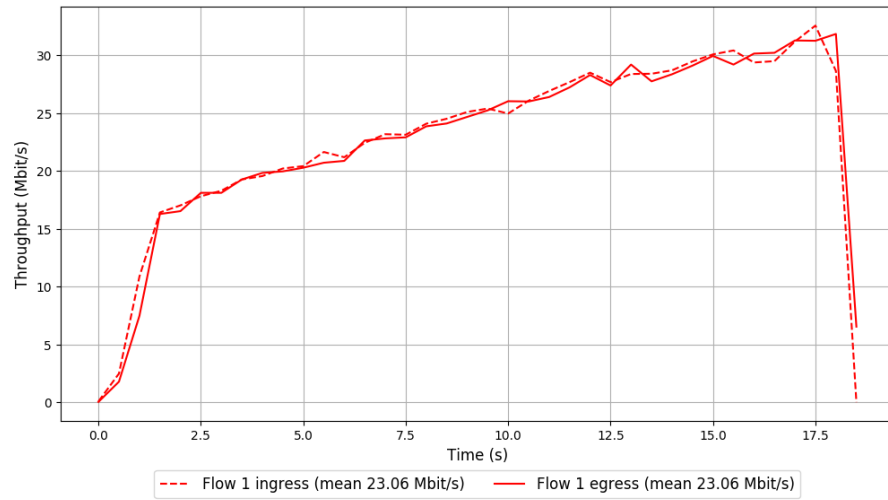
Start at: Sun, 09 Jul 2017 07:32:53 +0000

End at: Sun, 09 Jul 2017 07:33:23 +0000

Local clock offset: 5.734 ms

Remote clock offset: -0.405 ms

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



Run 6: Statistics of QUIC Cubic

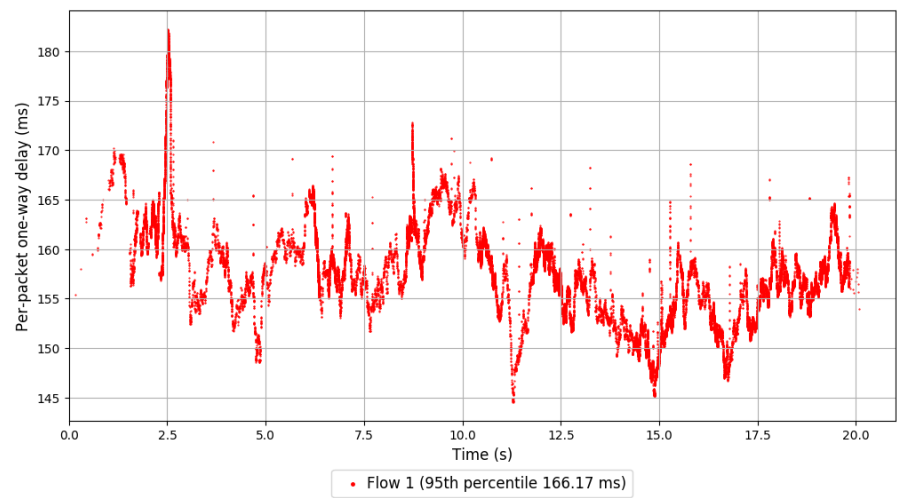
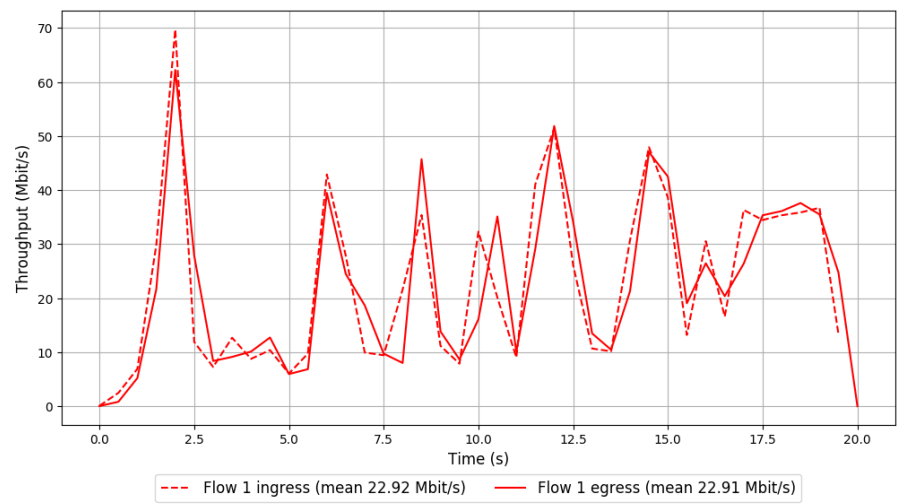
Start at: Sun, 09 Jul 2017 07:51:22 +0000

End at: Sun, 09 Jul 2017 07:51:52 +0000

Local clock offset: 4.323 ms

Remote clock offset: -0.49 ms

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 08:09:34 +0000

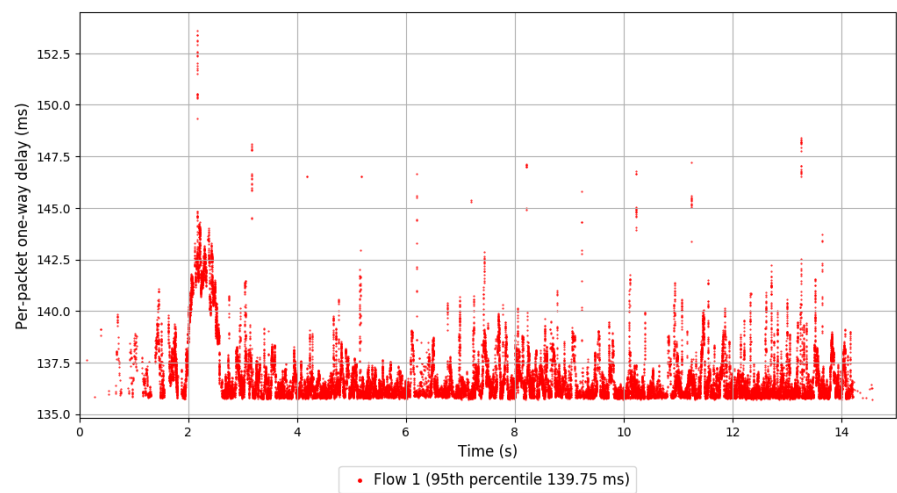
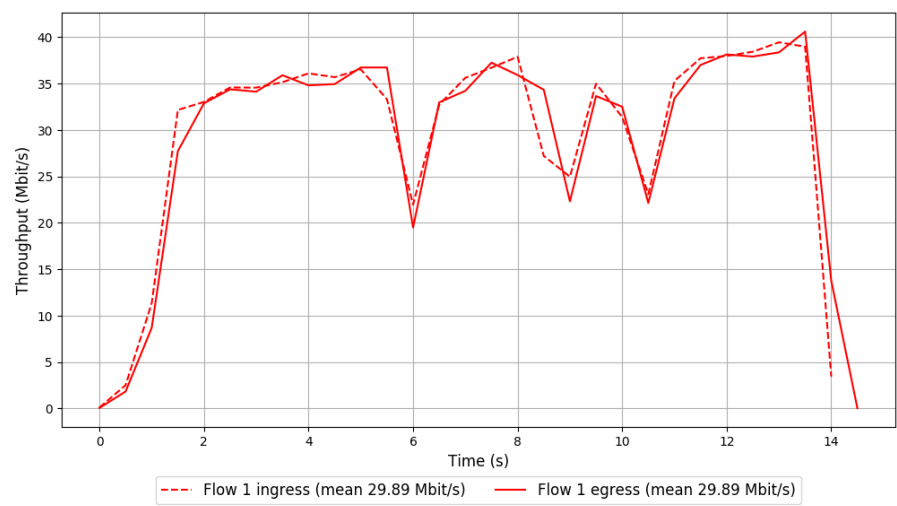
End at: Sun, 09 Jul 2017 08:10:04 +0000

Local clock offset: 5.634 ms

Remote clock offset: -0.412 ms



Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

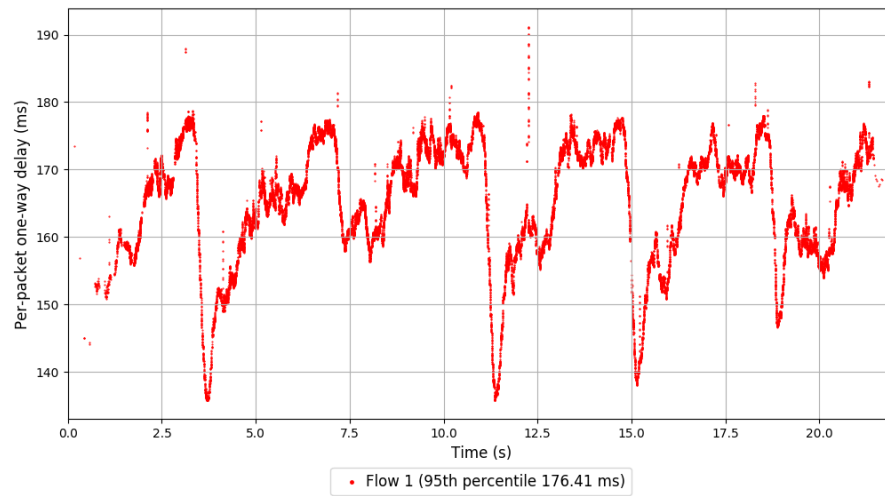
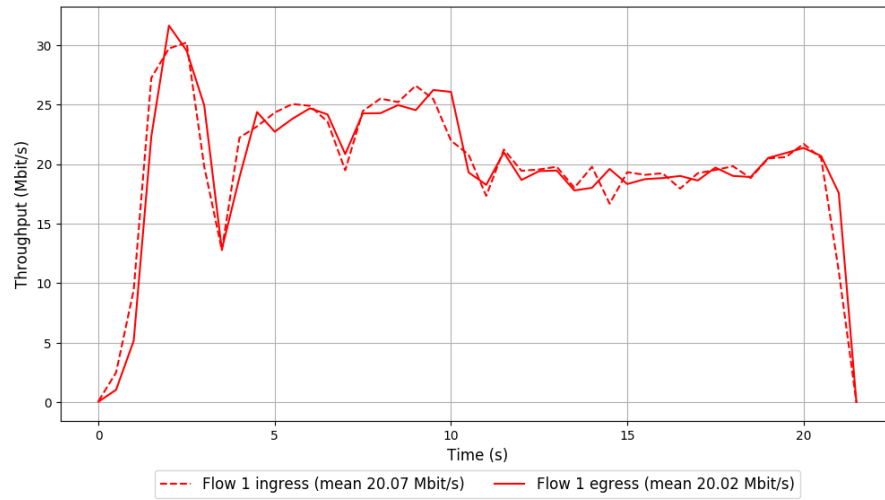
Start at: Sun, 09 Jul 2017 08:27:59 +0000

End at: Sun, 09 Jul 2017 08:28:29 +0000

Local clock offset: 4.685 ms

Remote clock offset: -0.239 ms

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



Run 9: Statistics of QUIC Cubic

Start at: Sun, 09 Jul 2017 08:48:13 +0000

End at: Sun, 09 Jul 2017 08:48:43 +0000

Local clock offset: 4.768 ms

Remote clock offset: -0.083 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:46 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 14.84 Mbit/s

95th percentile per-packet one-way delay: 177.079 ms

Loss rate: 0.28%

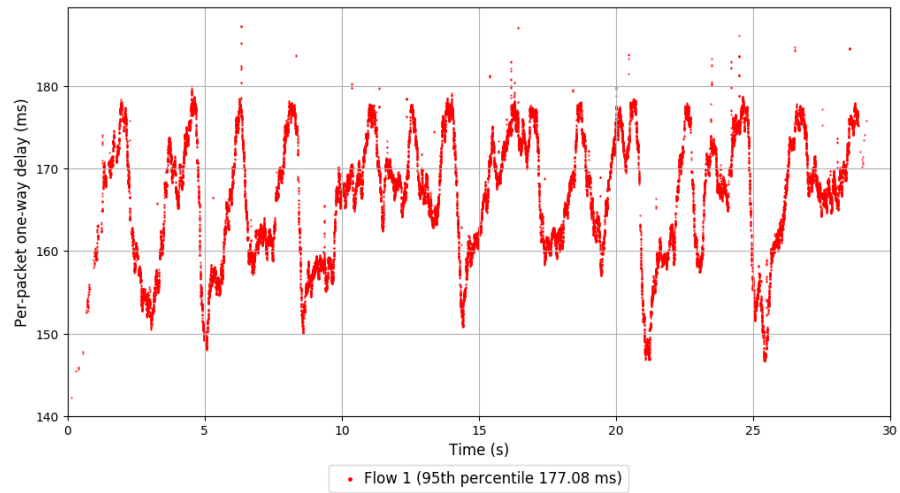
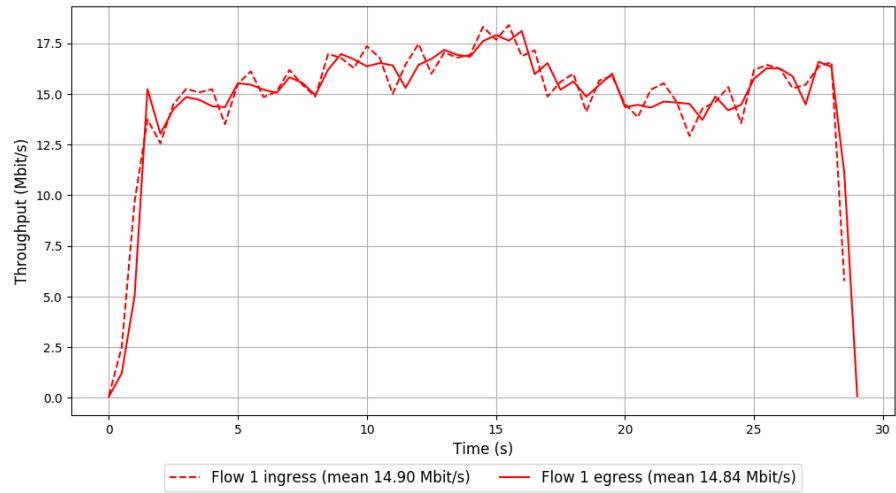
-- Flow 1:

Average throughput: 14.84 Mbit/s

95th percentile per-packet one-way delay: 177.079 ms

Loss rate: 0.28%

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



Run 10: Statistics of QUIC Cubic

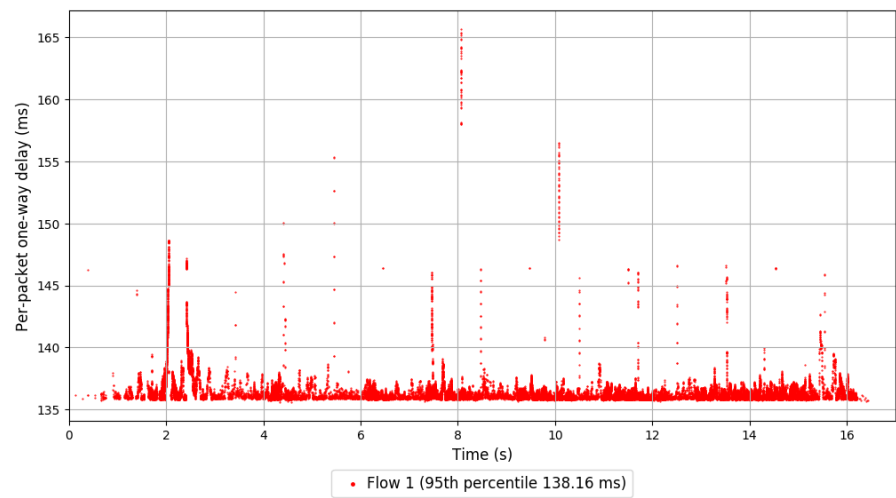
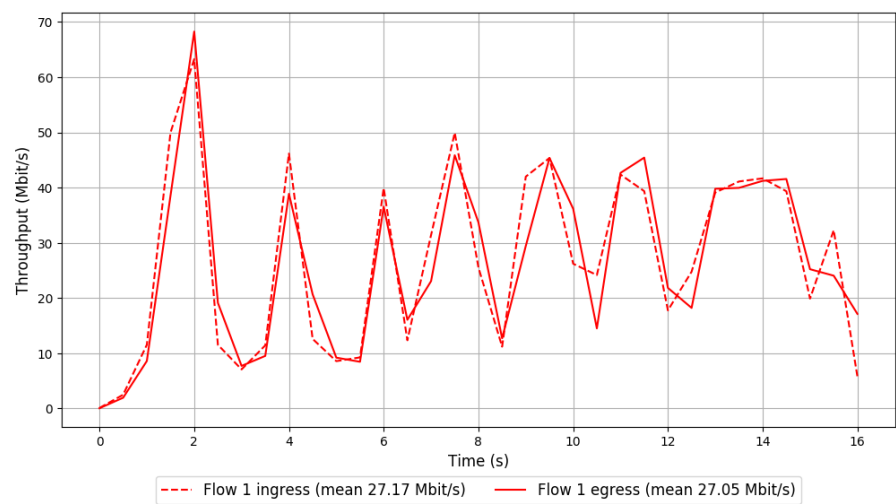
Start at: Sun, 09 Jul 2017 09:06:30 +0000

End at: Sun, 09 Jul 2017 09:07:00 +0000

Local clock offset: 4.799 ms

Remote clock offset: -0.018 ms

Run 10: Report of QUIC Cubic — Data Link



Run 1: Statistics of Saturator

Start at: Sun, 09 Jul 2017 06:08:02 +0000

End at: Sun, 09 Jul 2017 06:08:32 +0000

Local clock offset: 3.141 ms

Remote clock offset: -0.2 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:48 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.72 Mbit/s

95th percentile per-packet one-way delay: 157.433 ms

Loss rate: 0.83%

-- Flow 1:

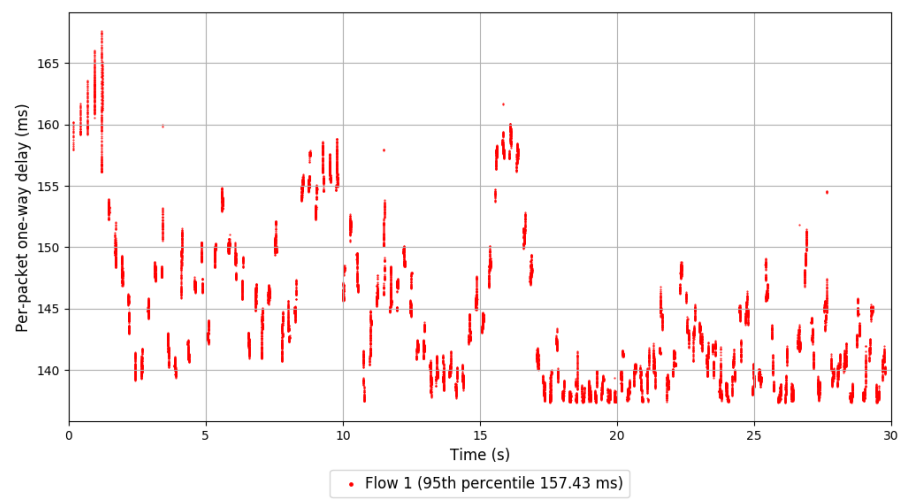
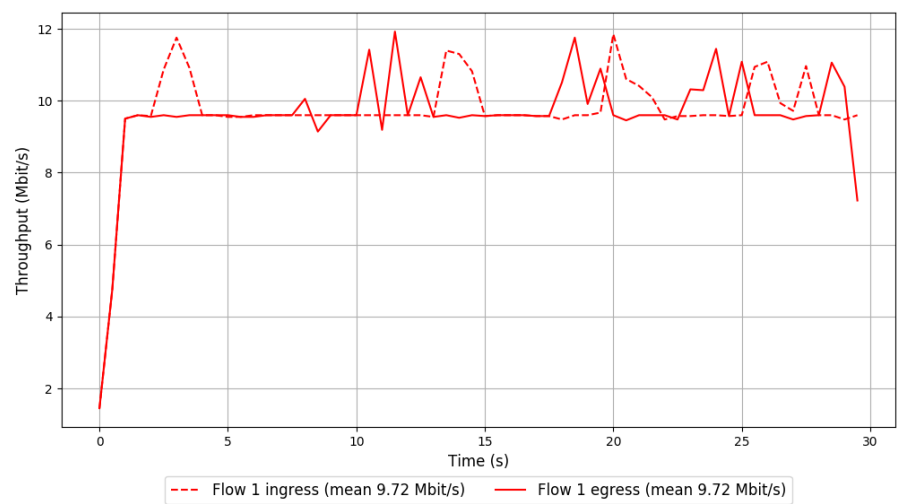
Average throughput: 9.72 Mbit/s

95th percentile per-packet one-way delay: 157.433 ms

Loss rate: 0.83%



Run 1: Report of Saturator — Data Link



Run 2: Statistics of Saturator

Start at: Sun, 09 Jul 2017 06:26:20 +0000

End at: Sun, 09 Jul 2017 06:26:50 +0000

Local clock offset: 4.432 ms

Remote clock offset: -0.171 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:49 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.84 Mbit/s

95th percentile per-packet one-way delay: 139.952 ms

Loss rate: 0.81%

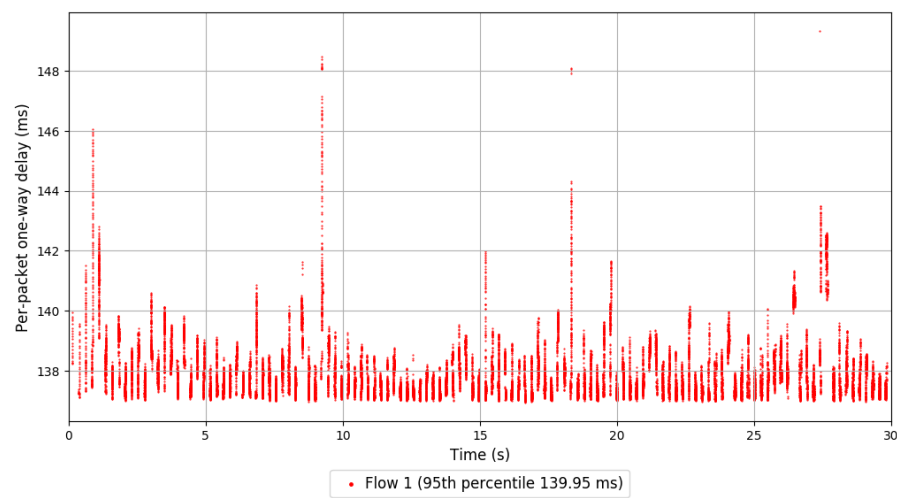
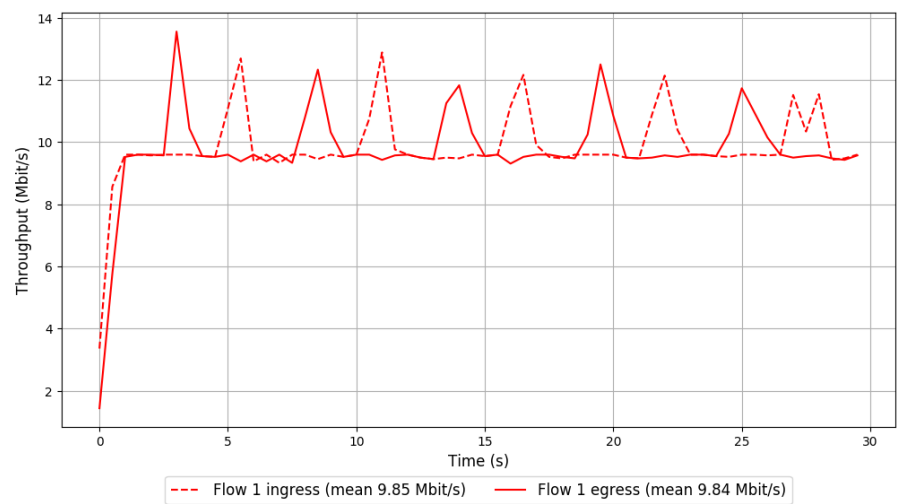
-- Flow 1:

Average throughput: 9.84 Mbit/s

95th percentile per-packet one-way delay: 139.952 ms

Loss rate: 0.81%

Run 2: Report of Saturator — Data Link



Run 3: Statistics of Saturator

Start at: Sun, 09 Jul 2017 06:44:52 +0000

End at: Sun, 09 Jul 2017 06:45:22 +0000

Local clock offset: 4.882 ms

Remote clock offset: -0.145 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:50 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 8.83 Mbit/s

95th percentile per-packet one-way delay: 176.558 ms

Loss rate: 1.01%

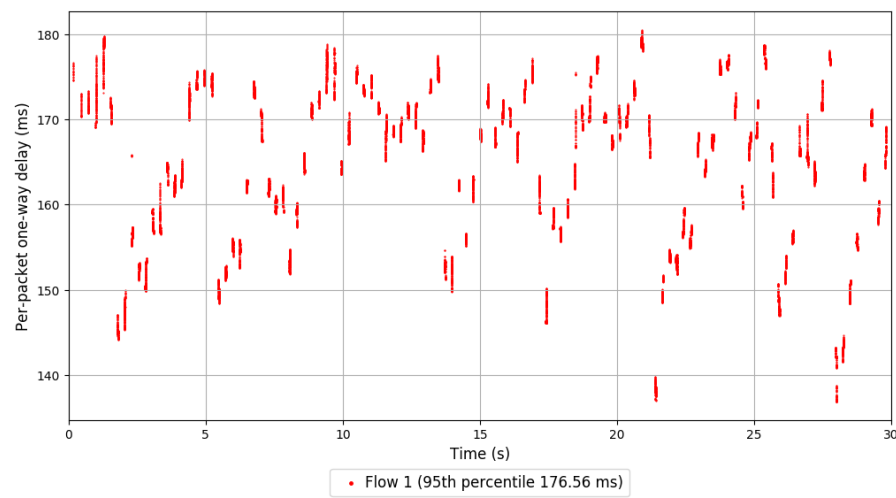
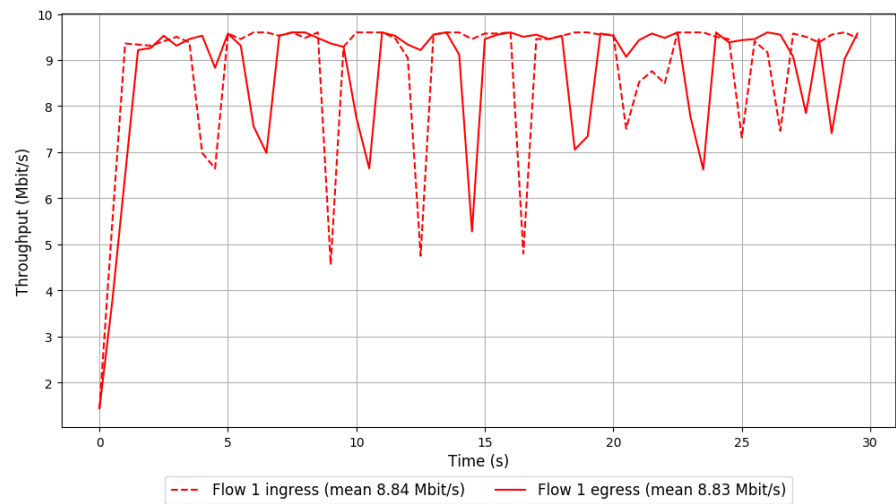
-- Flow 1:

Average throughput: 8.83 Mbit/s

95th percentile per-packet one-way delay: 176.558 ms

Loss rate: 1.01%

Run 3: Report of Saturator — Data Link



Run 4: Statistics of Saturator

Start at: Sun, 09 Jul 2017 07:04:38 +0000

End at: Sun, 09 Jul 2017 07:05:08 +0000

Local clock offset: 4.849 ms

Remote clock offset: -0.279 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:52 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 8.79 Mbit/s

95th percentile per-packet one-way delay: 174.029 ms

Loss rate: 1.13%

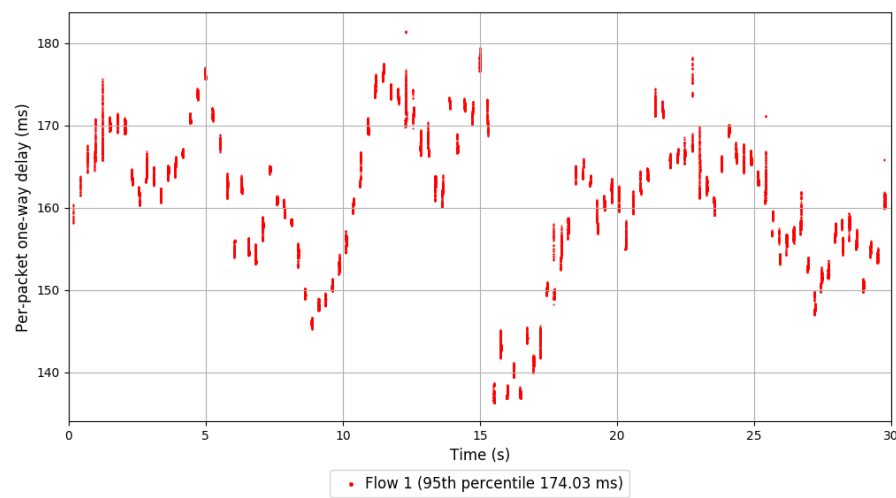
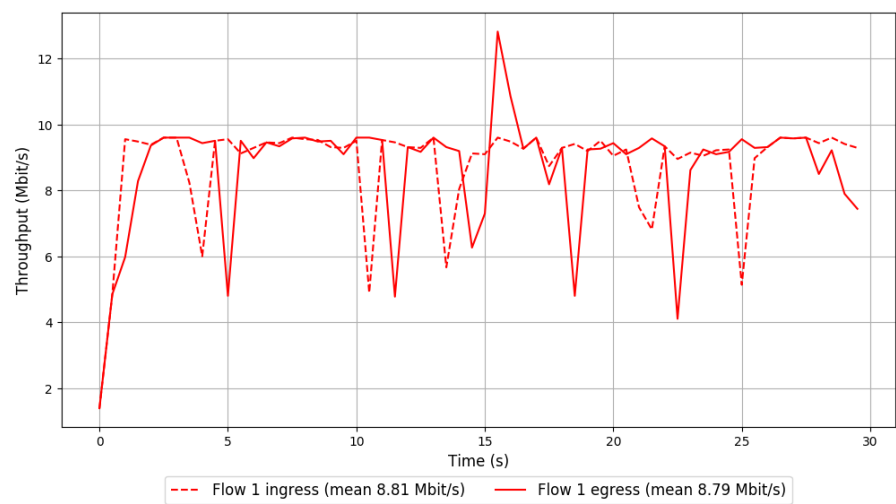
-- Flow 1:

Average throughput: 8.79 Mbit/s

95th percentile per-packet one-way delay: 174.029 ms

Loss rate: 1.13%

Run 4: Report of Saturator — Data Link



Run 5: Statistics of Saturator

Start at: Sun, 09 Jul 2017 07:22:56 +0000

End at: Sun, 09 Jul 2017 07:23:26 +0000

Local clock offset: 4.239 ms

Remote clock offset: -0.538 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:53 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.56 Mbit/s

95th percentile per-packet one-way delay: 145.769 ms

Loss rate: 1.03%

-- Flow 1:

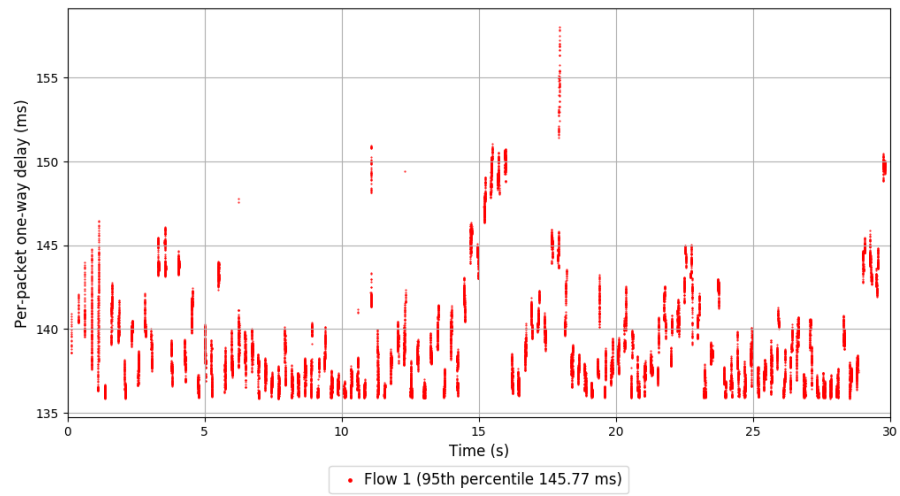
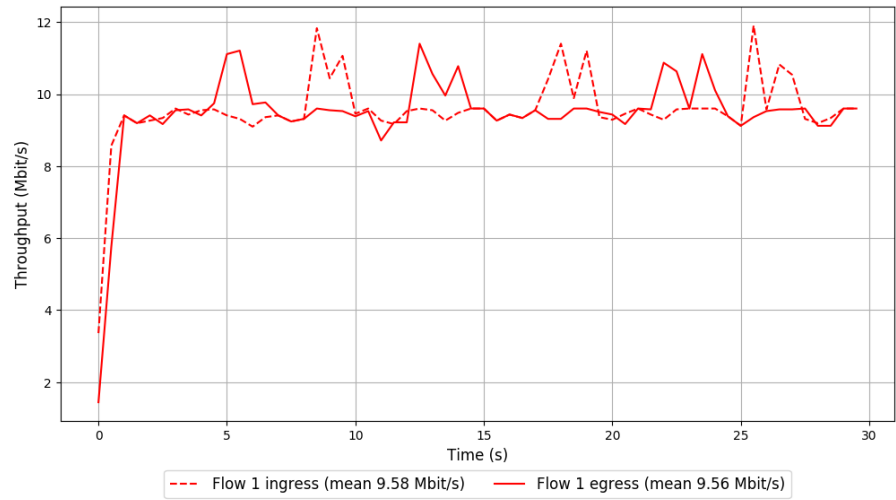
Average throughput: 9.56 Mbit/s

95th percentile per-packet one-way delay: 145.769 ms

Loss rate: 1.03%



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



Run 6: Statistics of Saturator

Start at: Sun, 09 Jul 2017 07:41:33 +0000

End at: Sun, 09 Jul 2017 07:42:03 +0000

Local clock offset: 4.299 ms

Remote clock offset: -0.55 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:54 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 8.95 Mbit/s

95th percentile per-packet one-way delay: 173.070 ms

Loss rate: 1.12%

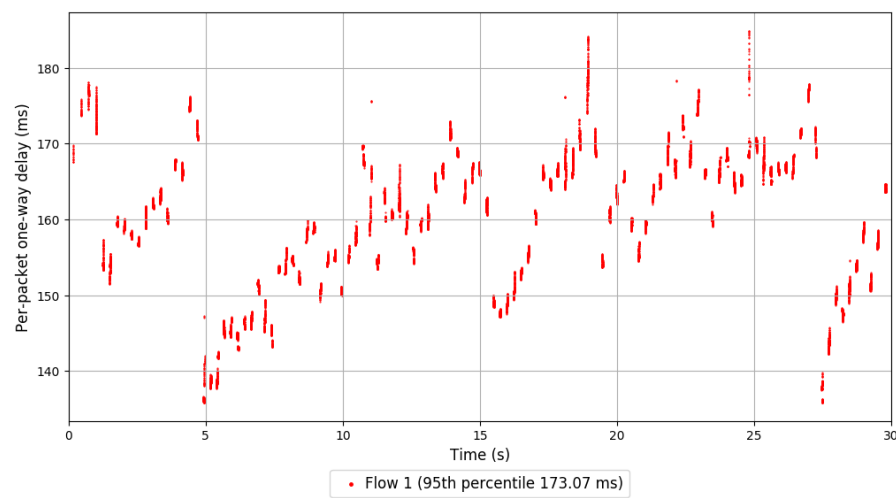
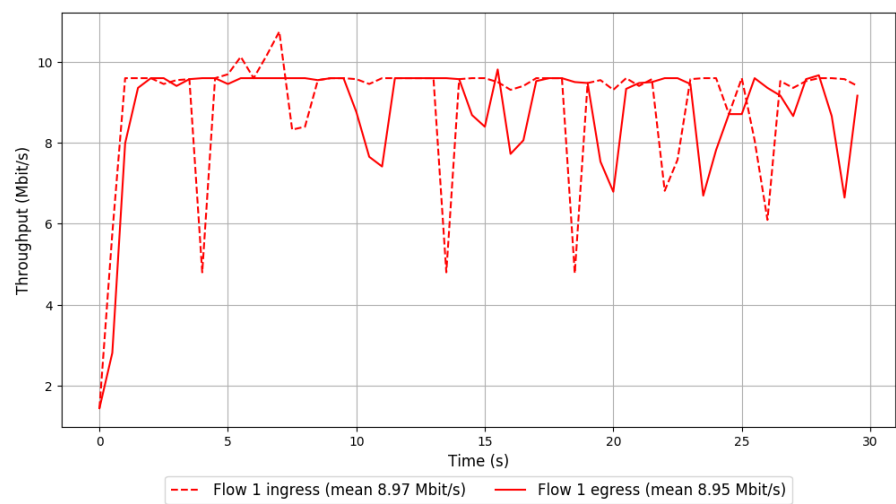
-- Flow 1:

Average throughput: 8.95 Mbit/s

95th percentile per-packet one-way delay: 173.070 ms

Loss rate: 1.12%

Run 6: Report of Saturator — Data Link



Run 7: Statistics of Saturator

Start at: Sun, 09 Jul 2017 07:59:51 +0000

End at: Sun, 09 Jul 2017 08:00:21 +0000

Local clock offset: 5.693 ms

Remote clock offset: -0.383 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:55 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.74 Mbit/s

95th percentile per-packet one-way delay: 142.183 ms

Loss rate: 0.92%

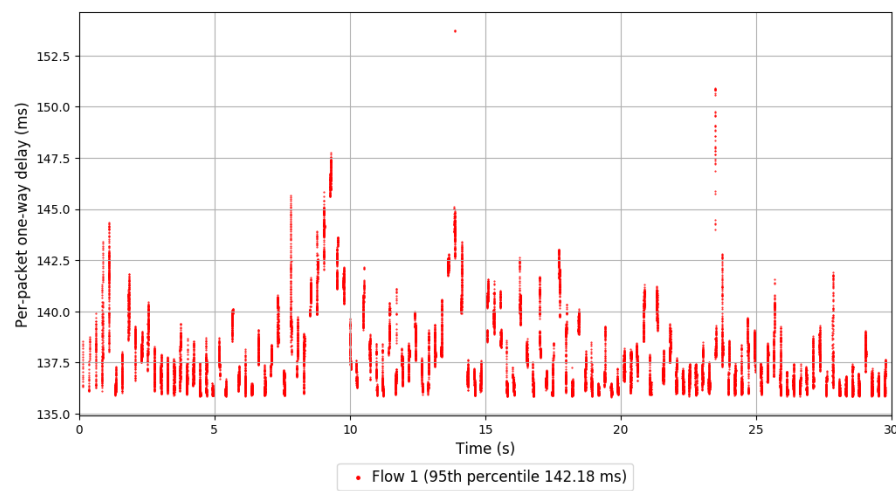
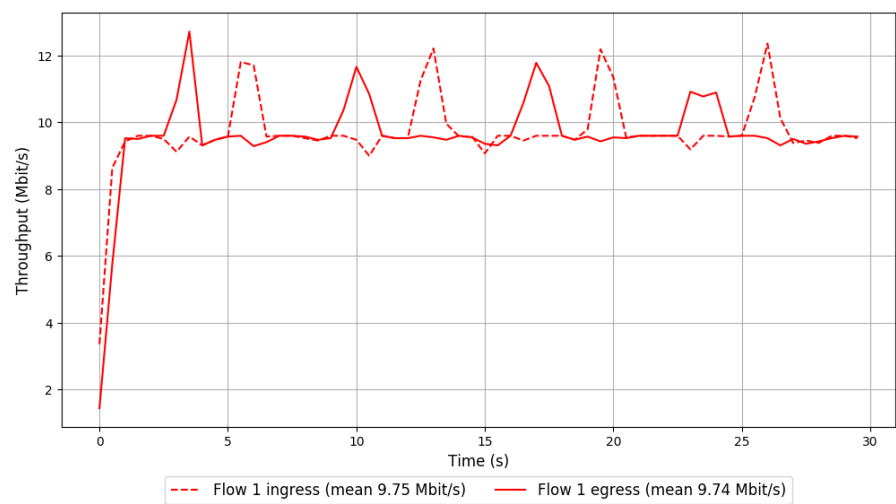
-- Flow 1:

Average throughput: 9.74 Mbit/s

95th percentile per-packet one-way delay: 142.183 ms

Loss rate: 0.92%

Run 7: Report of Saturator — Data Link



Run 8: Statistics of Saturator

Start at: Sun, 09 Jul 2017 08:18:12 +0000

End at: Sun, 09 Jul 2017 08:18:42 +0000

Local clock offset: 4.682 ms

Remote clock offset: -0.482 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:56 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.97 Mbit/s

95th percentile per-packet one-way delay: 138.628 ms

Loss rate: 0.81%

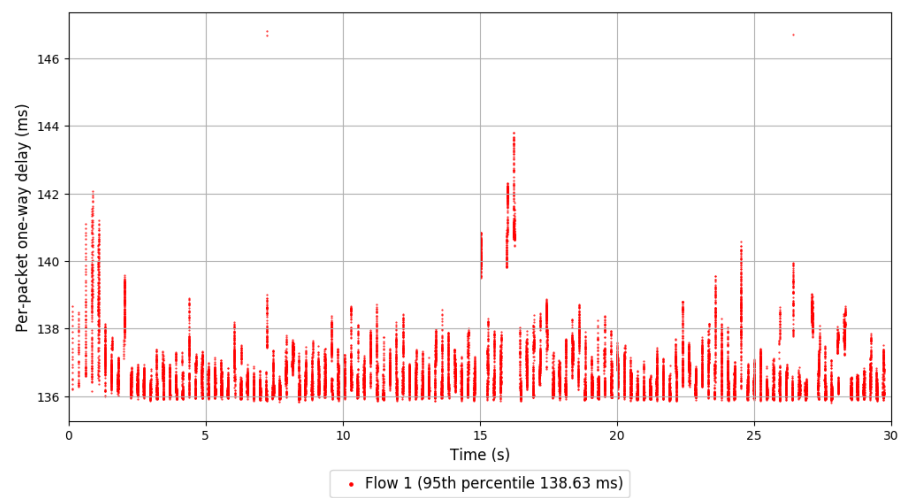
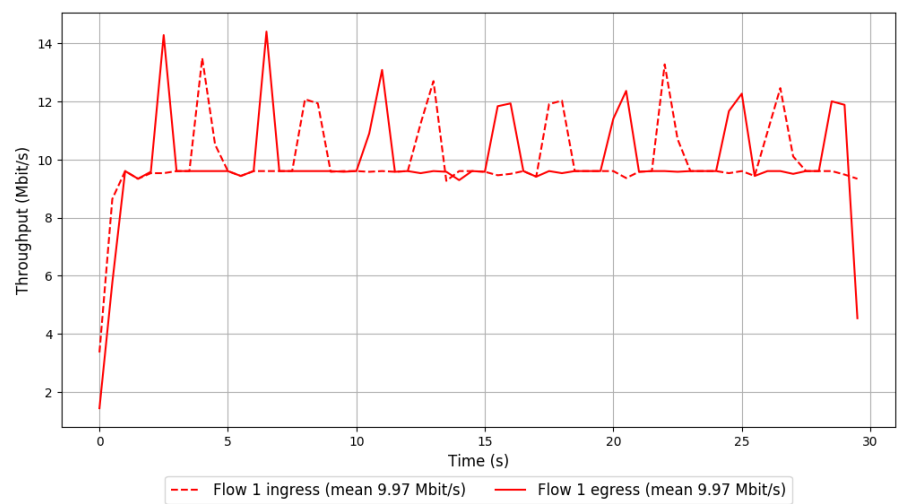
-- Flow 1:

Average throughput: 9.97 Mbit/s

95th percentile per-packet one-way delay: 138.628 ms

Loss rate: 0.81%

Run 8: Report of Saturator — Data Link



Run 9: Statistics of Saturator

Start at: Sun, 09 Jul 2017 08:37:20 +0000

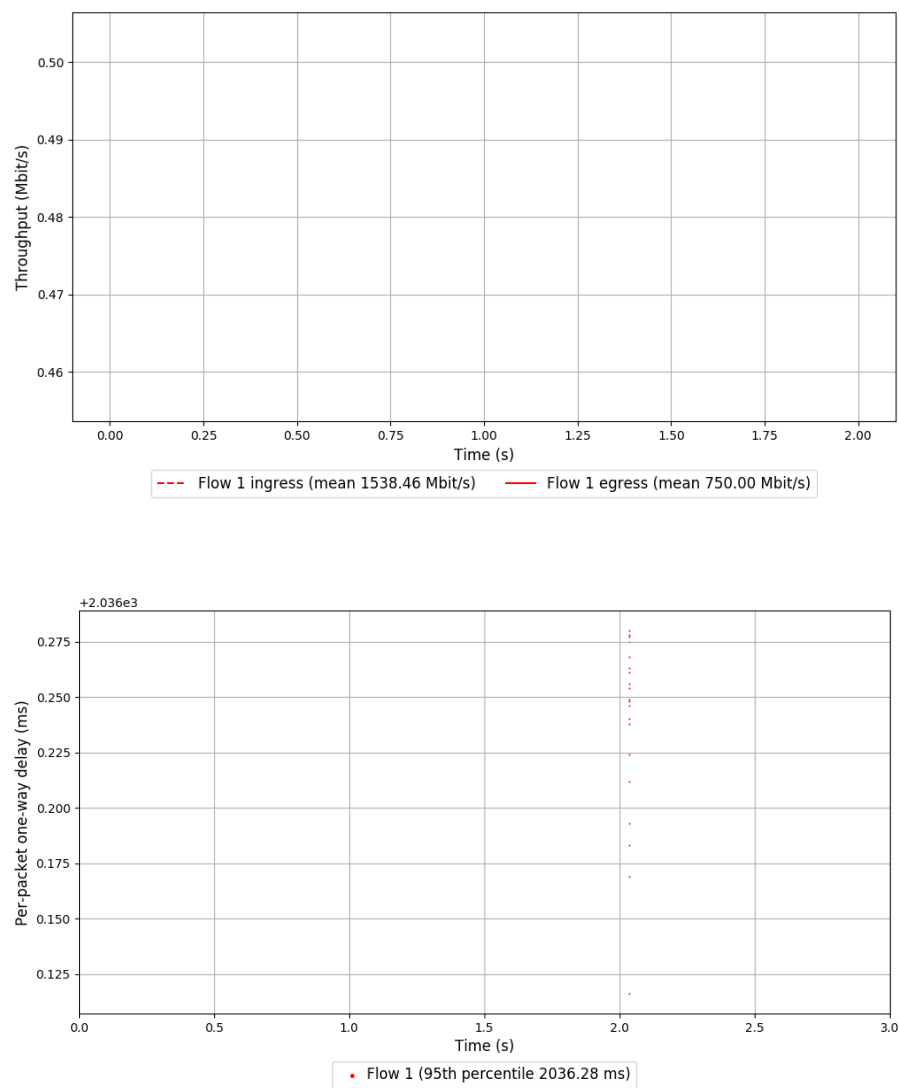
End at: Sun, 09 Jul 2017 08:37:50 +0000

Local clock offset: 4.724 ms

Remote clock offset: -0.223 ms



Run 9: Report of Saturator — Data Link



Run 10: Statistics of Saturator

Start at: Sun, 09 Jul 2017 08:56:43 +0000

End at: Sun, 09 Jul 2017 08:57:13 +0000

Local clock offset: 4.783 ms

Remote clock offset: 0.029 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:59 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 9.89 Mbit/s

95th percentile per-packet one-way delay: 140.405 ms

Loss rate: 0.82%

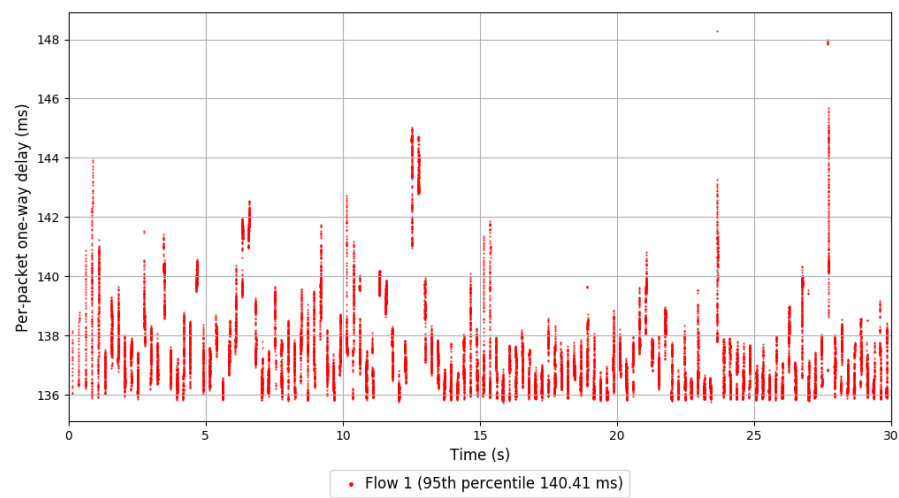
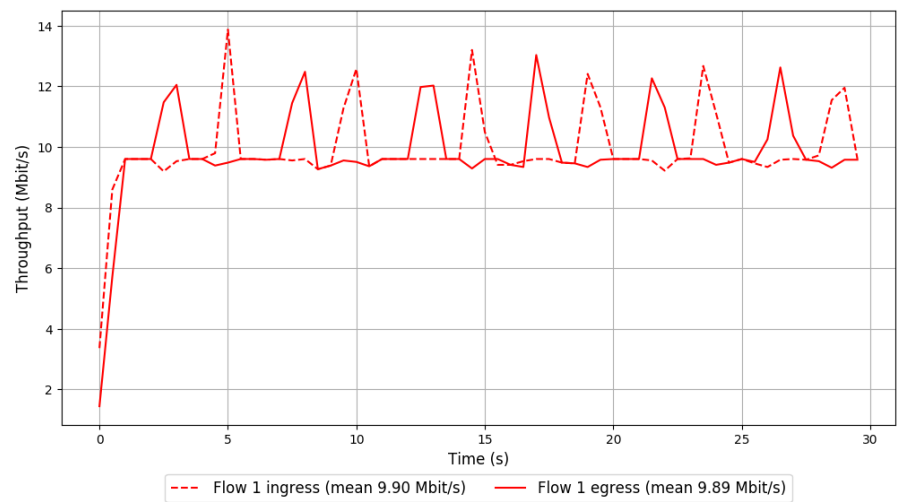
-- Flow 1:

Average throughput: 9.89 Mbit/s

95th percentile per-packet one-way delay: 140.405 ms

Loss rate: 0.82%

Run 10: Report of Saturator — Data Link



Run 1: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 06:09:16 +0000

End at: Sun, 09 Jul 2017 06:09:46 +0000

Local clock offset: 3.19 ms

Remote clock offset: -0.185 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:59 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 141.424 ms

Loss rate: 0.77%

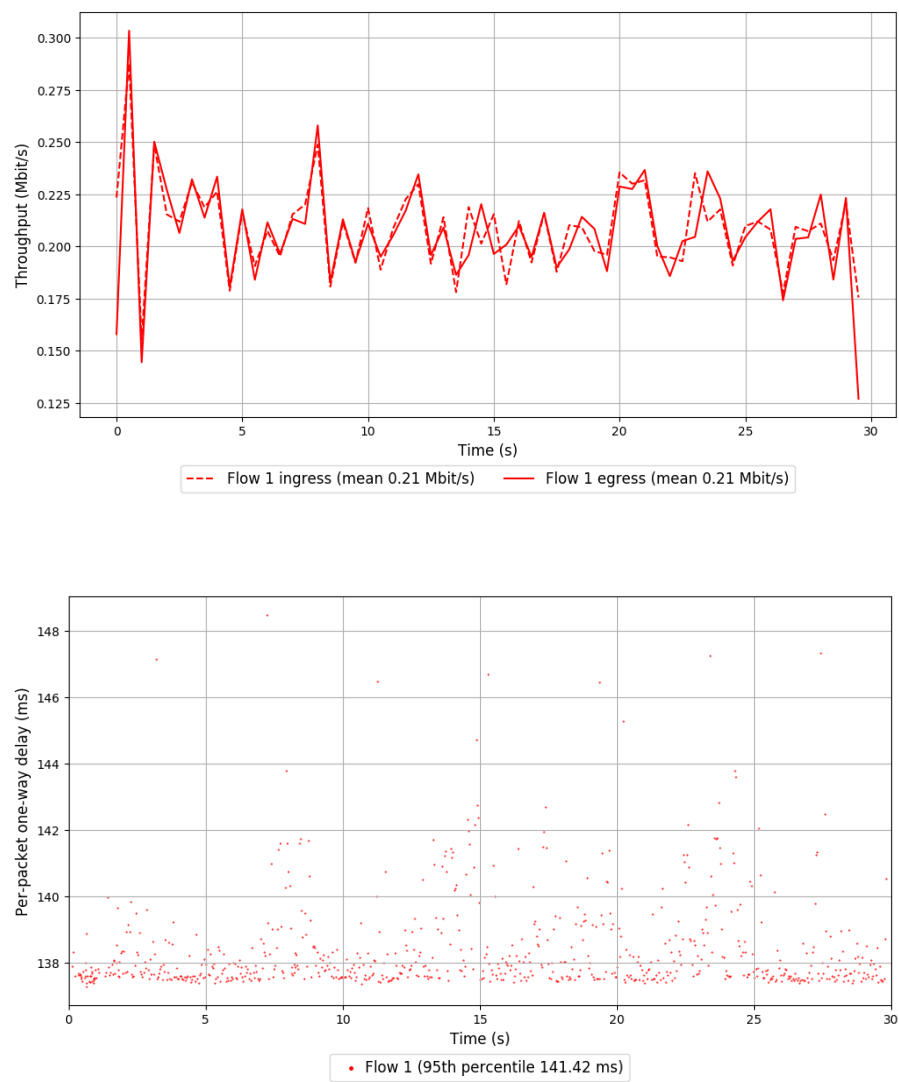
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 141.424 ms

Loss rate: 0.77%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 06:27:33 +0000

End at: Sun, 09 Jul 2017 06:28:03 +0000

Local clock offset: 3.368 ms

Remote clock offset: -0.164 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:59 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 141.648 ms

Loss rate: 0.77%

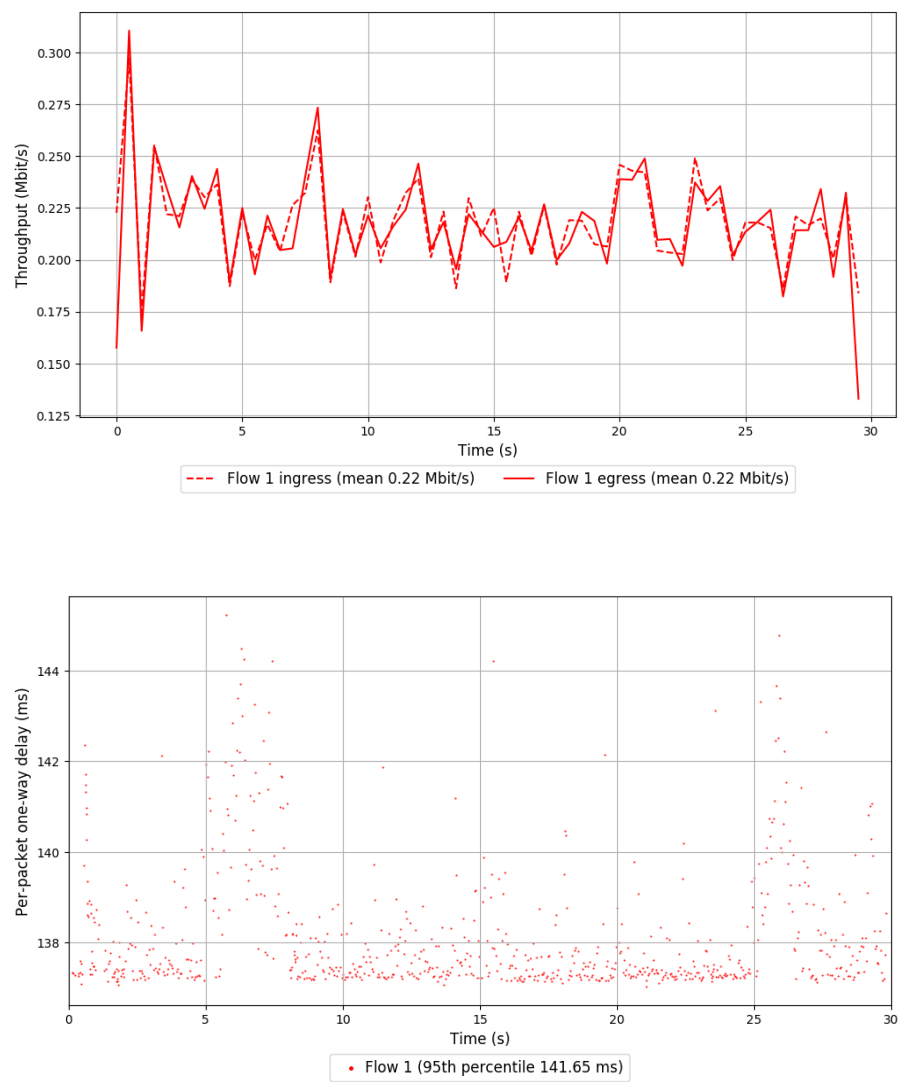
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 141.648 ms

Loss rate: 0.77%

Run 2: Report of SReAM — Data Link



Run 3: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 06:46:07 +0000

End at: Sun, 09 Jul 2017 06:46:37 +0000

Local clock offset: 3.531 ms

Remote clock offset: -0.179 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:21:59 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 177.471 ms

Loss rate: 0.92%

-- Flow 1:

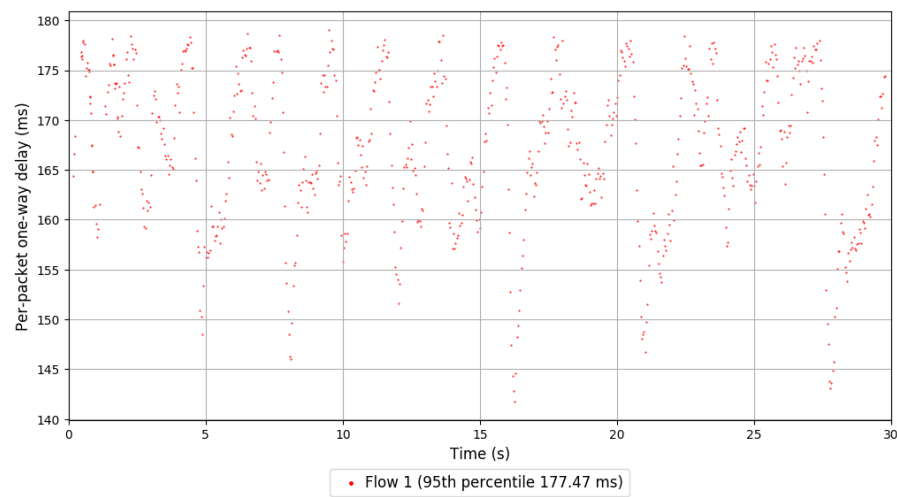
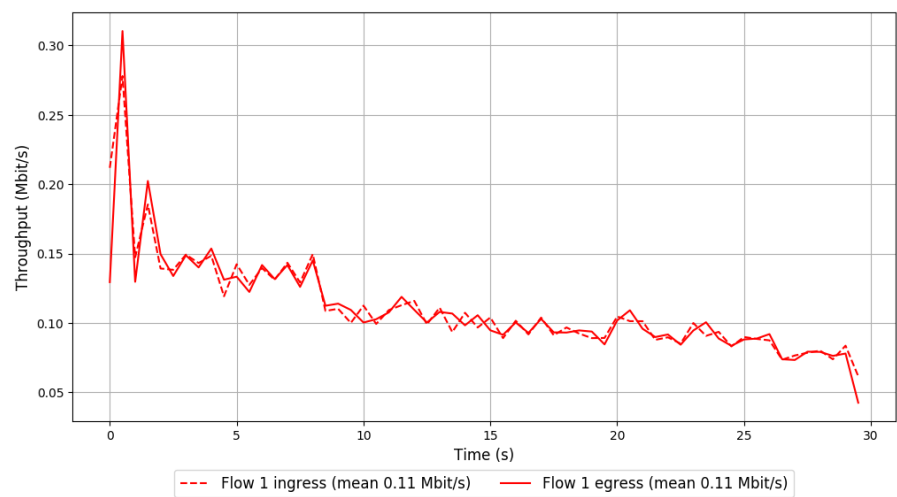
Average throughput: 0.11 Mbit/s

95th percentile per-packet one-way delay: 177.471 ms

Loss rate: 0.92%



Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 07:05:50 +0000

End at: Sun, 09 Jul 2017 07:06:20 +0000

Local clock offset: 5.169 ms

Remote clock offset: -0.312 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:22:00 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 171.280 ms

Loss rate: 0.77%

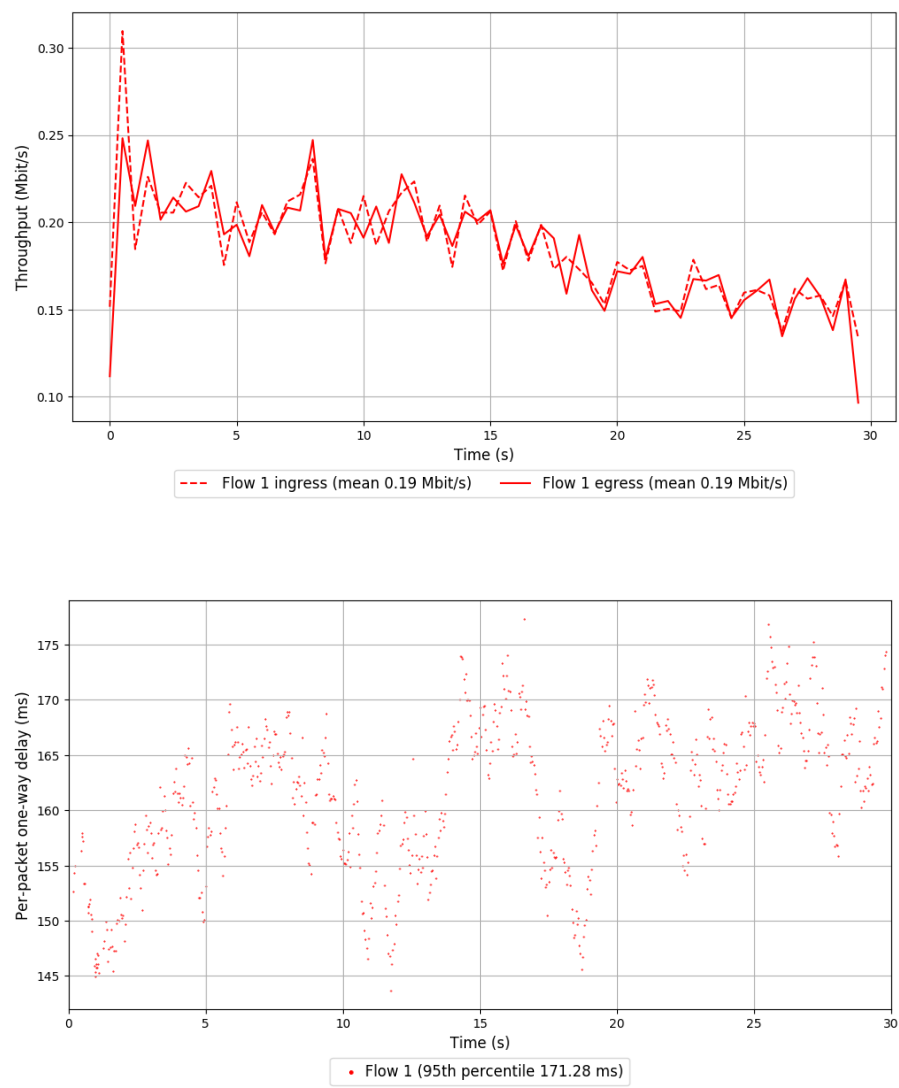
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 171.280 ms

Loss rate: 0.77%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 07:24:08 +0000

End at: Sun, 09 Jul 2017 07:24:38 +0000

Local clock offset: 4.245 ms

Remote clock offset: -0.456 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:22:00 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 143.968 ms

Loss rate: 0.76%

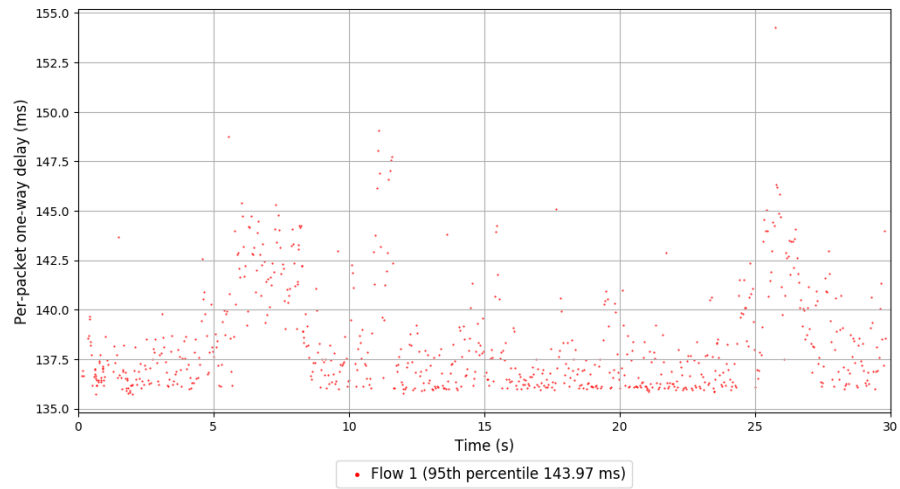
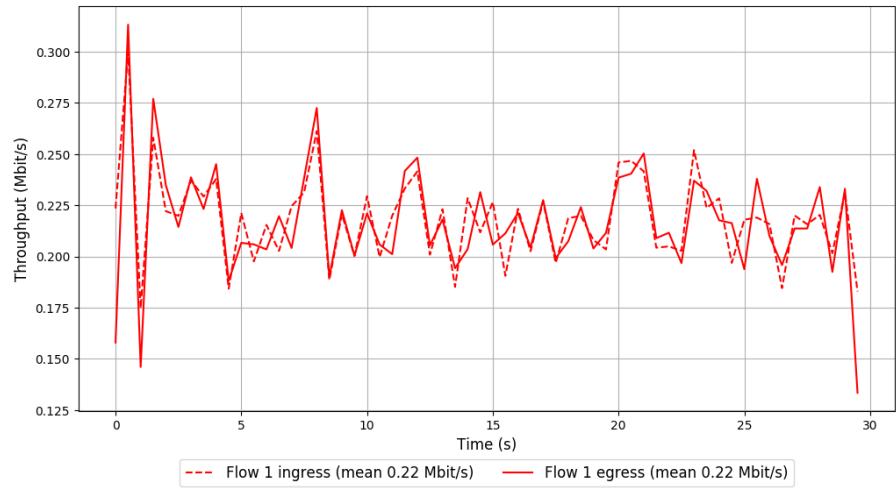
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 143.968 ms

Loss rate: 0.76%

## Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 07:42:46 +0000

End at: Sun, 09 Jul 2017 07:43:16 +0000

Local clock offset: 5.368 ms

Remote clock offset: -0.4 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:22:01 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 173.326 ms

Loss rate: 0.71%

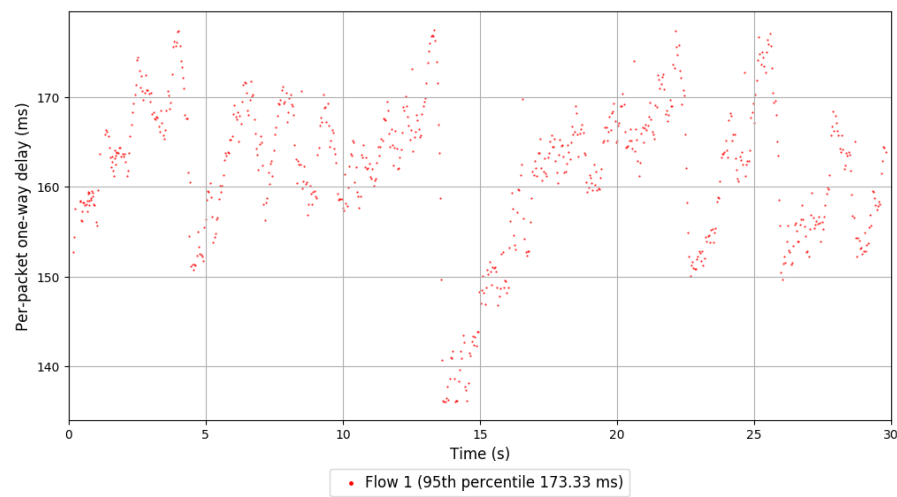
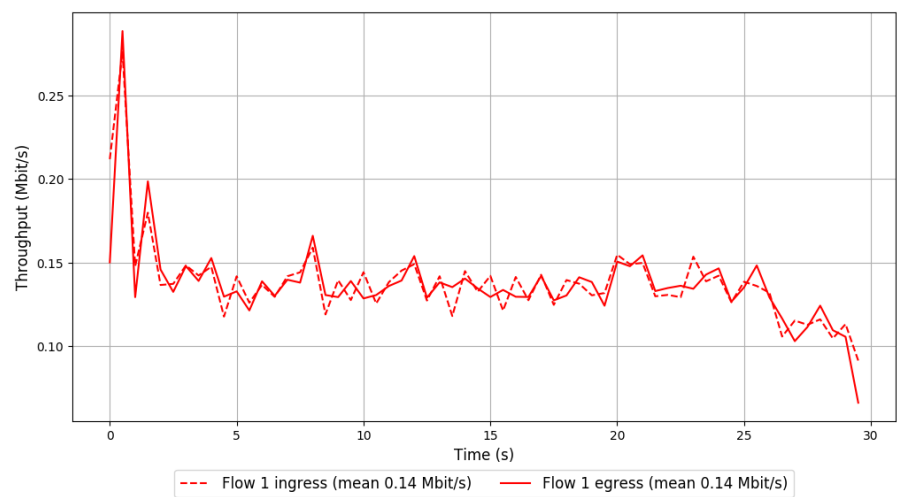
-- Flow 1:

Average throughput: 0.14 Mbit/s

95th percentile per-packet one-way delay: 173.326 ms

Loss rate: 0.71%

Run 6: Report of SReAM — Data Link



Run 7: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 08:01:03 +0000

End at: Sun, 09 Jul 2017 08:01:33 +0000

Local clock offset: 4.178 ms

Remote clock offset: -0.357 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:22:01 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 140.815 ms

Loss rate: 0.76%

-- Flow 1:

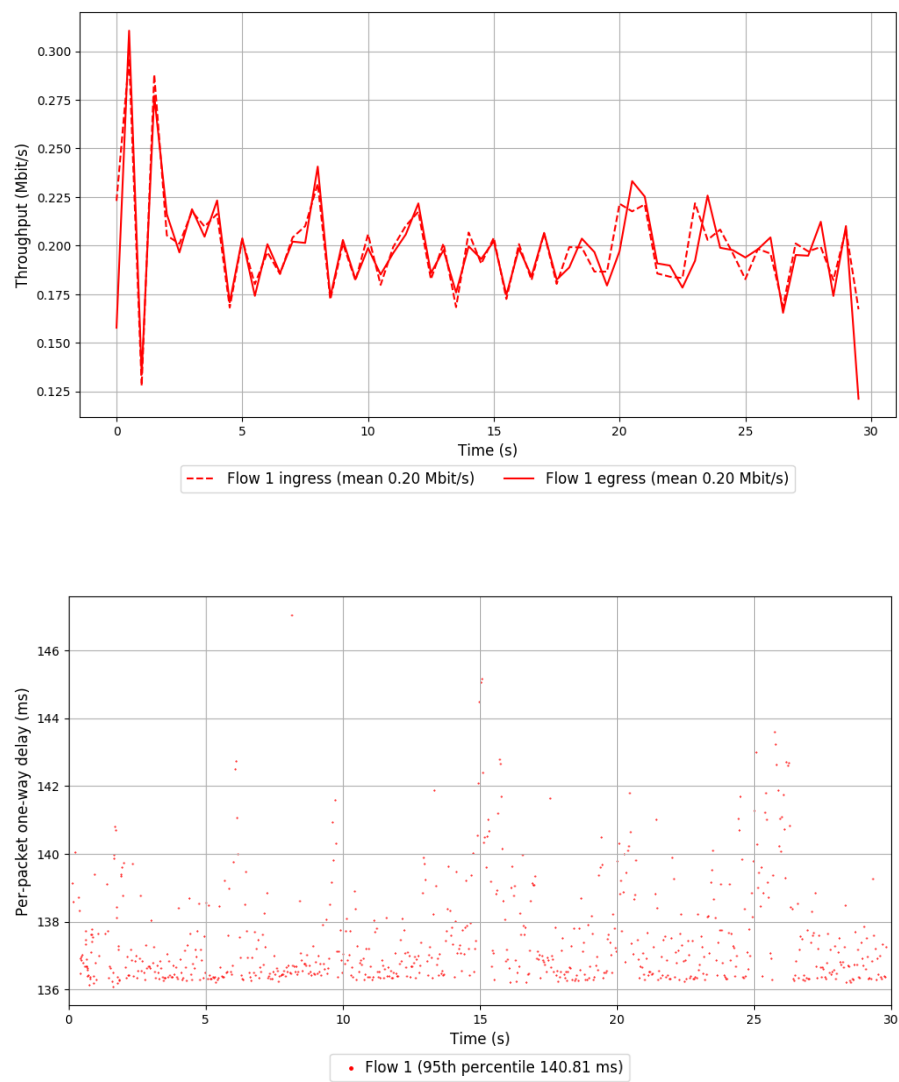
Average throughput: 0.20 Mbit/s

95th percentile per-packet one-way delay: 140.815 ms

Loss rate: 0.76%



Run 7: Report of SReAM — Data Link



Run 8: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 08:19:23 +0000

End at: Sun, 09 Jul 2017 08:19:54 +0000

Local clock offset: 4.589 ms

Remote clock offset: -0.355 ms

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

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.914 ms

Loss rate: 0.77%

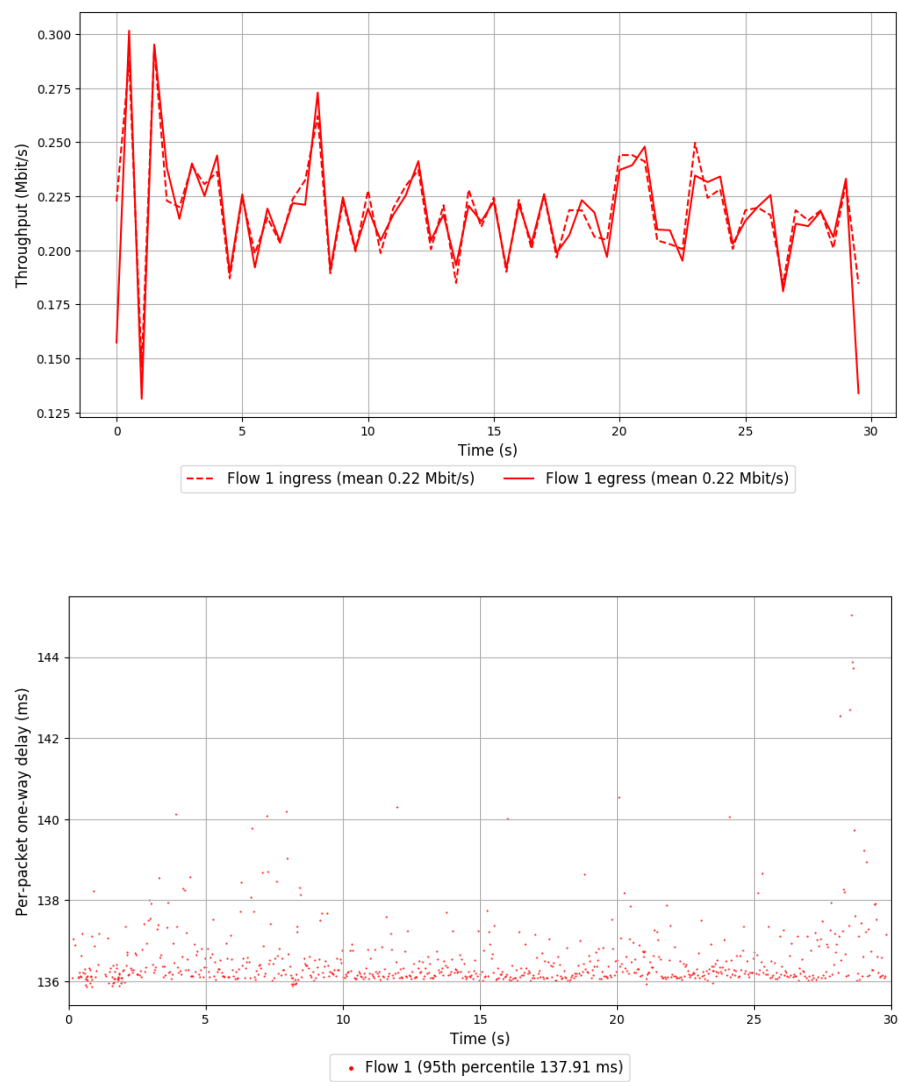
-- Flow 1:

Average throughput: 0.22 Mbit/s

95th percentile per-packet one-way delay: 137.914 ms

Loss rate: 0.77%

Run 8: Report of SReAM — Data Link



Run 9: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 08:38:30 +0000

End at: Sun, 09 Jul 2017 08:39:00 +0000

Local clock offset: 4.618 ms

Remote clock offset: -0.174 ms

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

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 177.362 ms

Loss rate: 1.04%

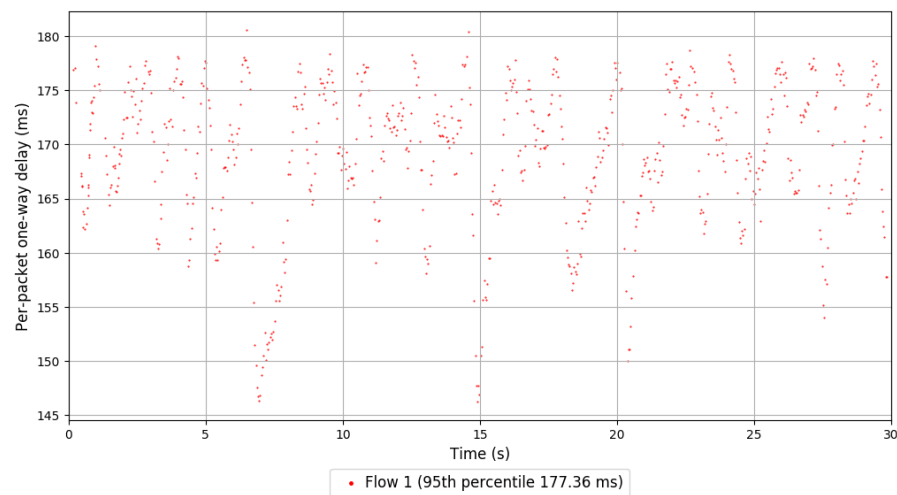
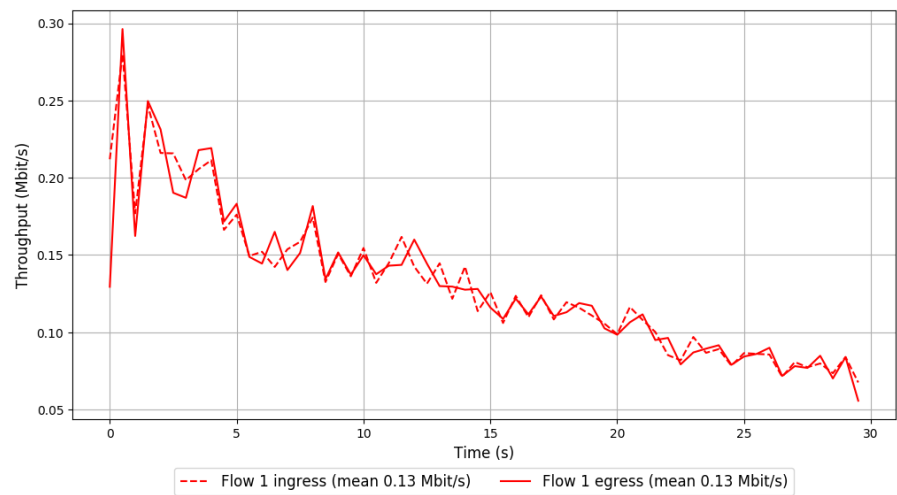
-- Flow 1:

Average throughput: 0.13 Mbit/s

95th percentile per-packet one-way delay: 177.362 ms

Loss rate: 1.04%

Run 9: Report of SReAM — Data Link



Run 10: Statistics of SCReAM

Start at: Sun, 09 Jul 2017 08:57:56 +0000

End at: Sun, 09 Jul 2017 08:58:26 +0000

Local clock offset: 4.772 ms

Remote clock offset: -2.819 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:22:03 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 148.574 ms

Loss rate: 0.72%

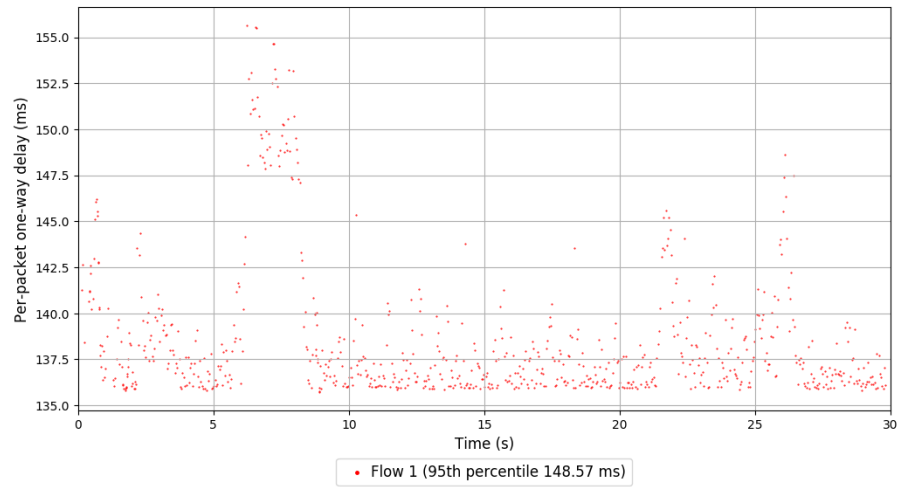
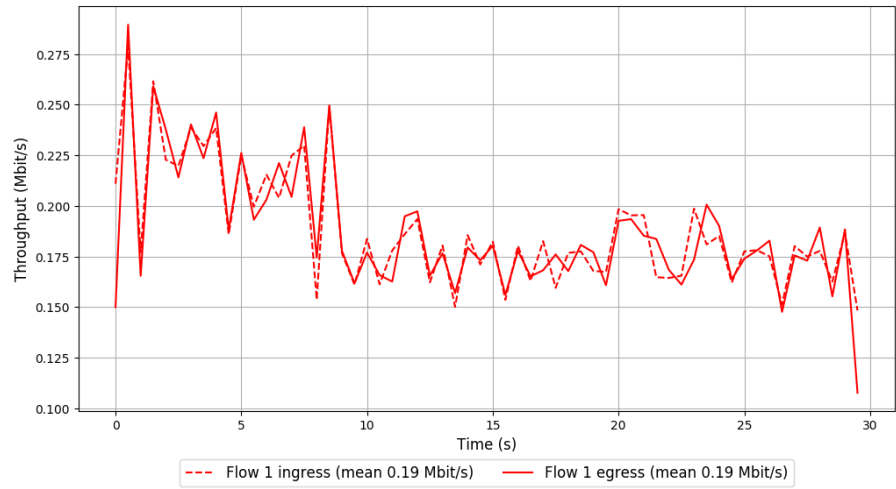
-- Flow 1:

Average throughput: 0.19 Mbit/s

95th percentile per-packet one-way delay: 148.574 ms

Loss rate: 0.72%

## Run 10: Report of SReAM — Data Link



Run 1: Statistics of Sprout

Start at: Sun, 09 Jul 2017 06:00:41 +0000

End at: Sun, 09 Jul 2017 06:01:11 +0000

Local clock offset: 3.185 ms

Remote clock offset: -0.093 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:22:03 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 175.201 ms

Loss rate: 0.10%

-- Flow 1:

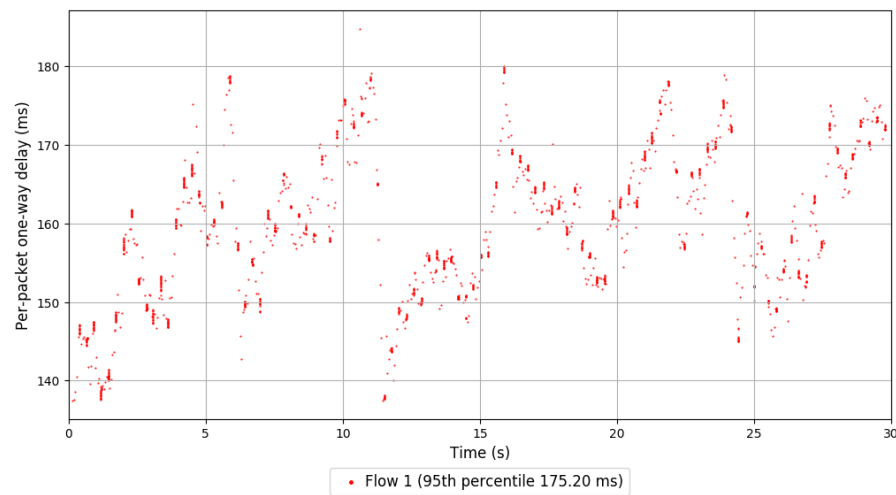
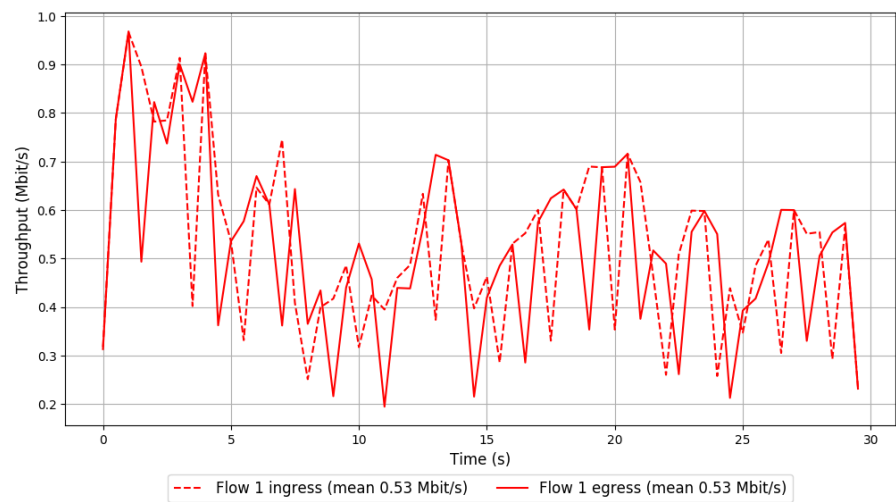
Average throughput: 0.53 Mbit/s

95th percentile per-packet one-way delay: 175.201 ms

Loss rate: 0.10%



Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: Sun, 09 Jul 2017 06:18:57 +0000

End at: Sun, 09 Jul 2017 06:19:27 +0000

Local clock offset: 3.306 ms

Remote clock offset: -0.229 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:22:05 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 143.223 ms

Loss rate: 1.07%

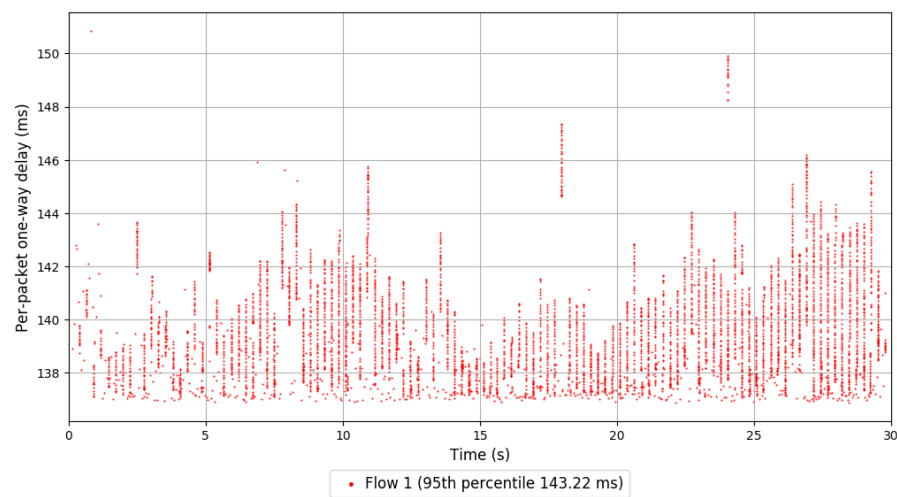
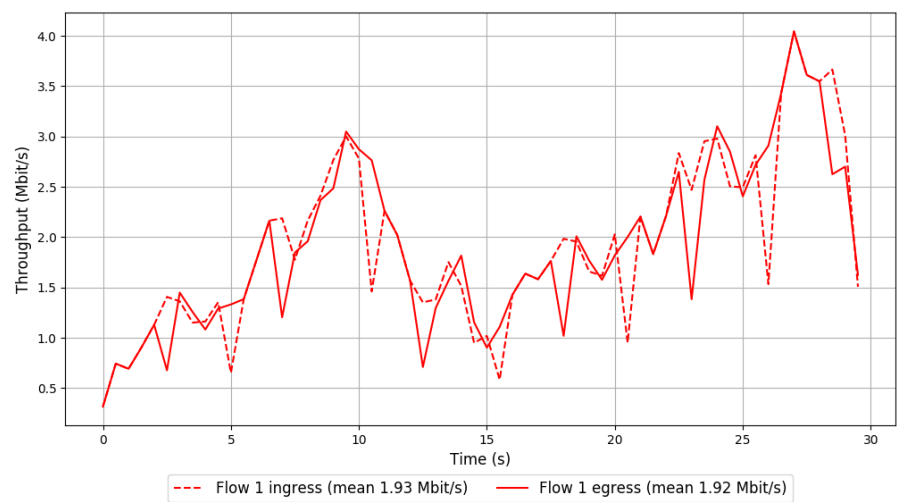
-- Flow 1:

Average throughput: 1.92 Mbit/s

95th percentile per-packet one-way delay: 143.223 ms

Loss rate: 1.07%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: Sun, 09 Jul 2017 06:37:36 +0000

End at: Sun, 09 Jul 2017 06:38:06 +0000

Local clock offset: 3.44 ms

Remote clock offset: -0.217 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:22:05 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.67 Mbit/s

95th percentile per-packet one-way delay: 150.830 ms

Loss rate: 0.89%

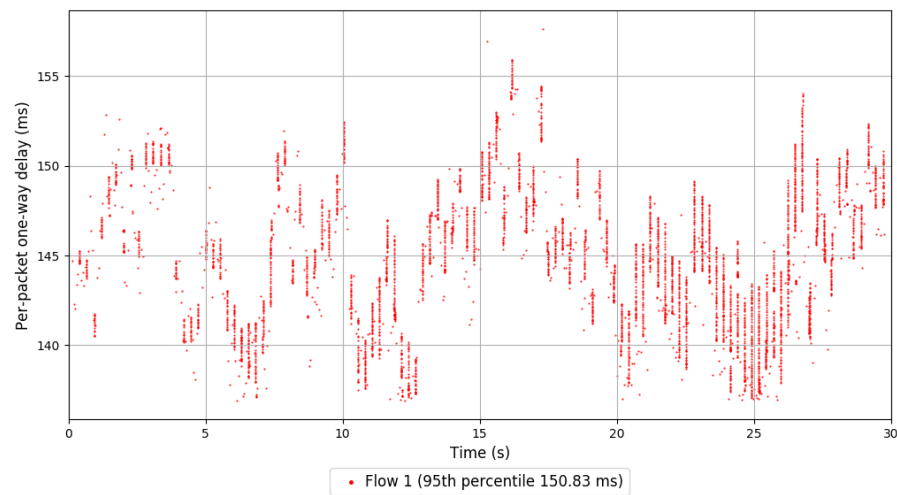
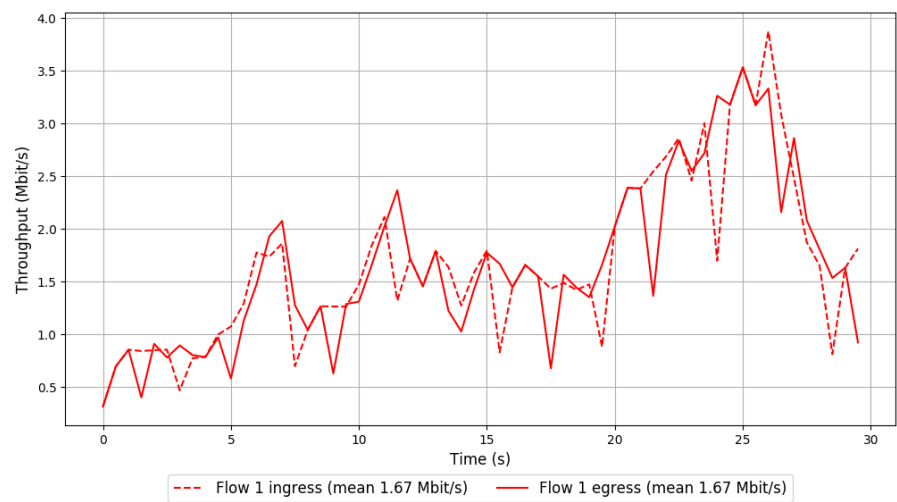
-- Flow 1:

Average throughput: 1.67 Mbit/s

95th percentile per-packet one-way delay: 150.830 ms

Loss rate: 0.89%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: Sun, 09 Jul 2017 06:57:13 +0000

End at: Sun, 09 Jul 2017 06:57:43 +0000

Local clock offset: 3.863 ms

Remote clock offset: -0.215 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:22:06 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 177.288 ms

Loss rate: 1.45%

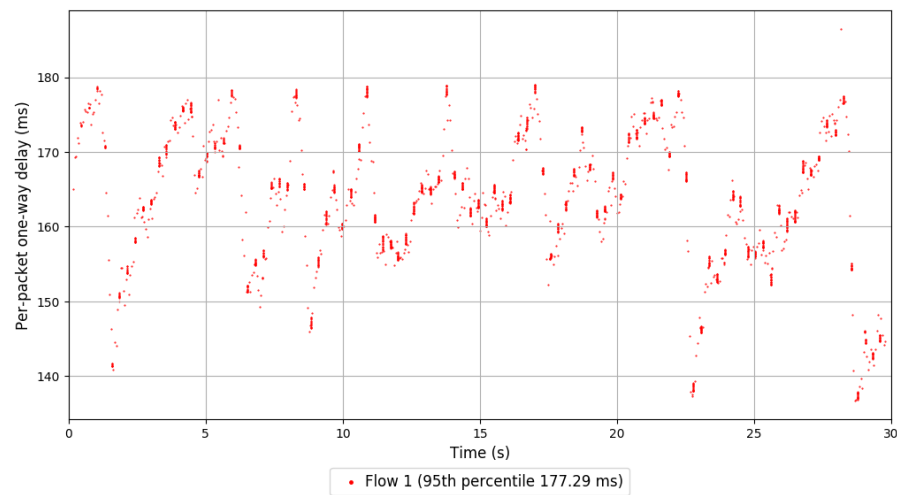
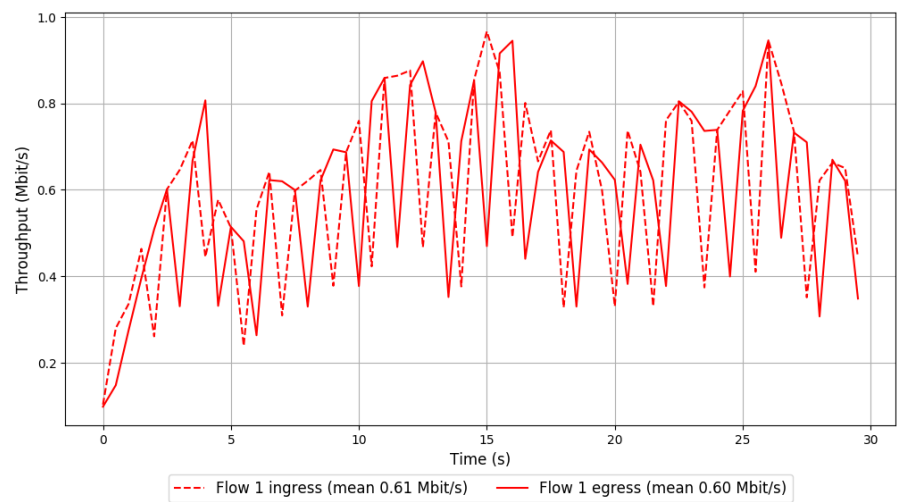
-- Flow 1:

Average throughput: 0.60 Mbit/s

95th percentile per-packet one-way delay: 177.288 ms

Loss rate: 1.45%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: Sun, 09 Jul 2017 07:15:41 +0000

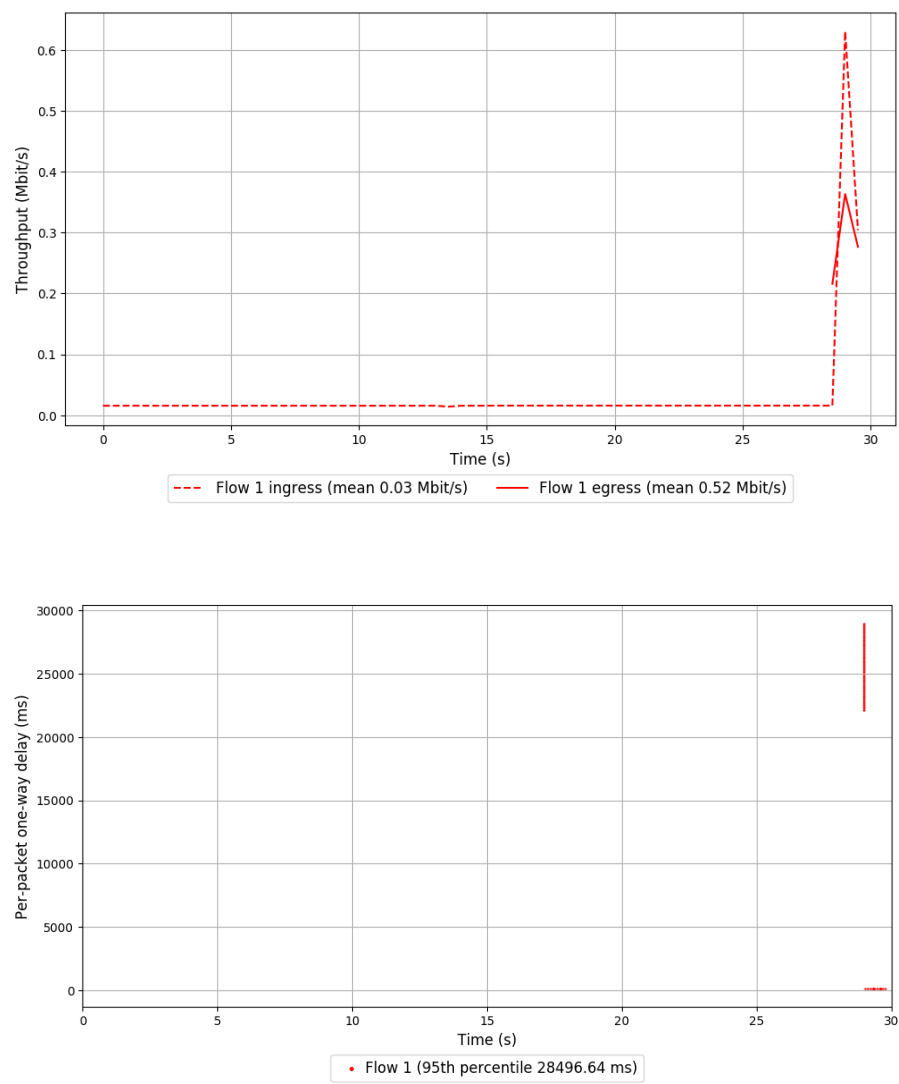
End at: Sun, 09 Jul 2017 07:16:11 +0000

Local clock offset: 4.215 ms

Remote clock offset: -0.423 ms



Run 5: Report of Sprout — Data Link



Run 6: Statistics of Sprout

Start at: Sun, 09 Jul 2017 07:34:06 +0000

End at: Sun, 09 Jul 2017 07:34:36 +0000

Local clock offset: 5.589 ms

Remote clock offset: -0.483 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:22:07 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 175.760 ms

Loss rate: 0.48%

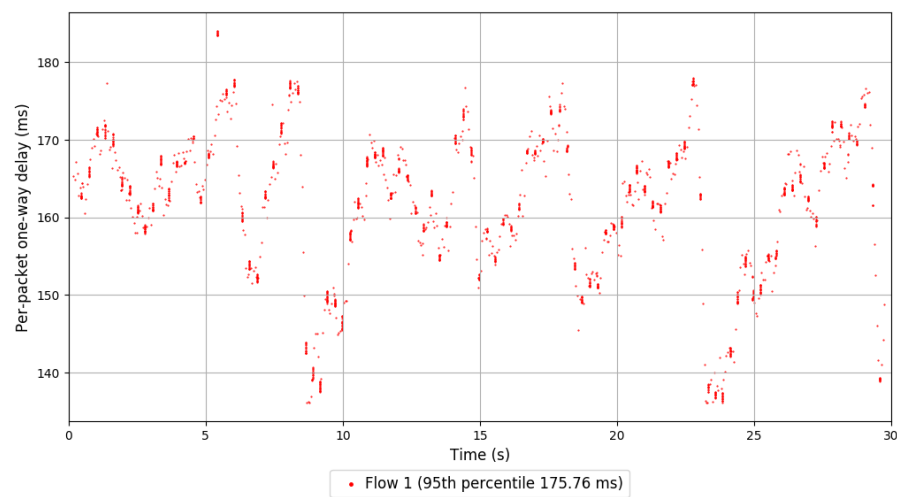
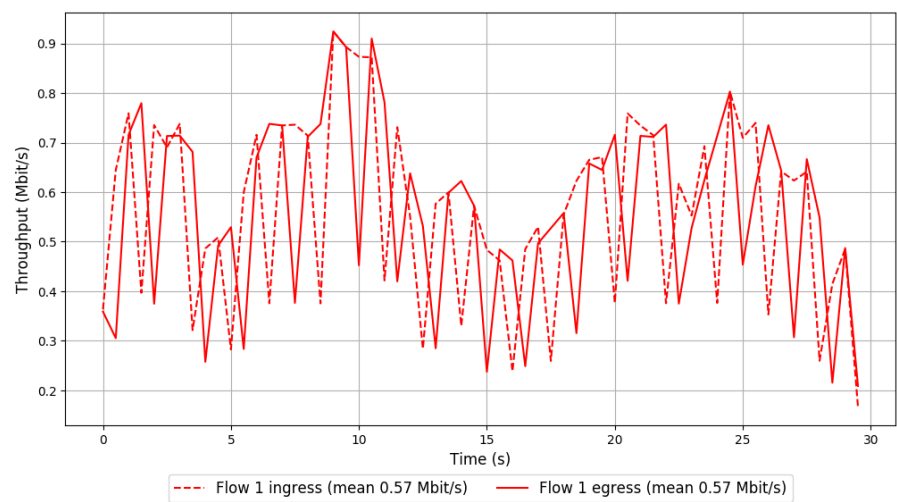
-- Flow 1:

Average throughput: 0.57 Mbit/s

95th percentile per-packet one-way delay: 175.760 ms

Loss rate: 0.48%

Run 6: Report of Sprout — Data Link



Run 7: Statistics of Sprout

Start at: Sun, 09 Jul 2017 07:52:34 +0000

End at: Sun, 09 Jul 2017 07:53:04 +0000

Local clock offset: 4.288 ms

Remote clock offset: -0.44 ms

### Run 7: Report of Sprout — Data Link

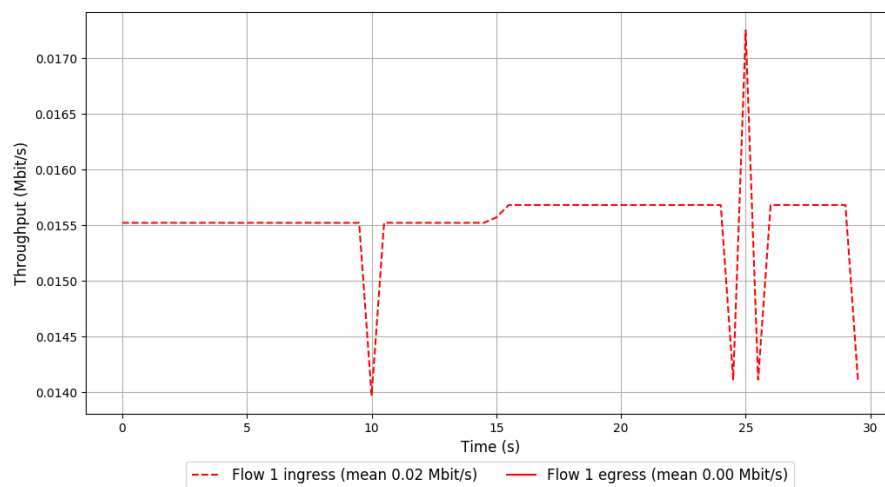


Figure is missing

Run 8: Statistics of Sprout

Start at: Sun, 09 Jul 2017 08:10:47 +0000

End at: Sun, 09 Jul 2017 08:11:17 +0000

Local clock offset: 4.541 ms

Remote clock offset: -0.407 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:22:08 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 141.069 ms

Loss rate: 1.34%

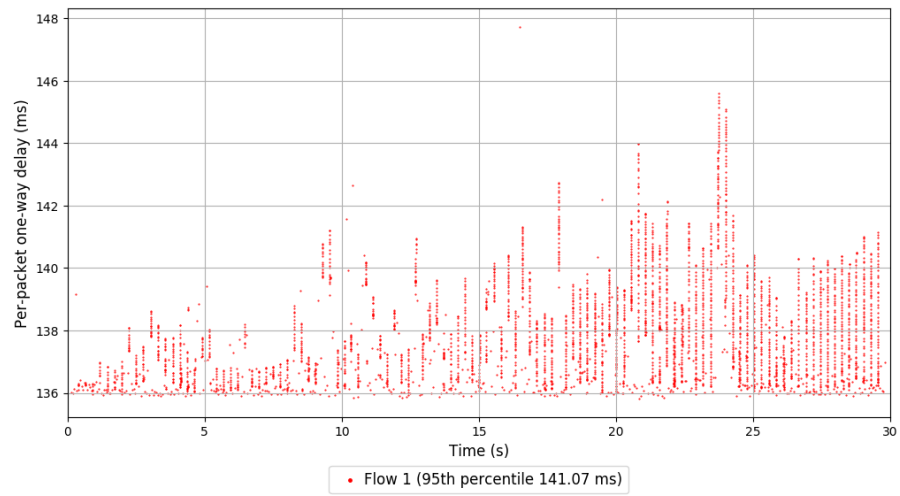
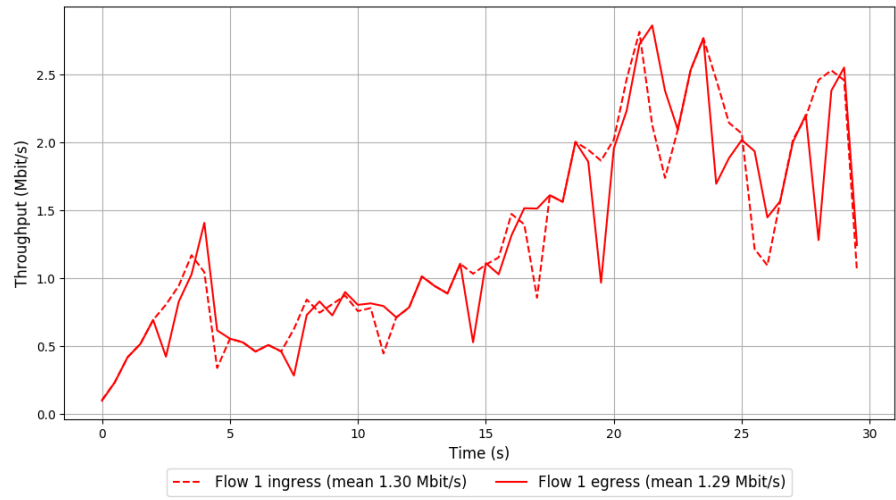
-- Flow 1:

Average throughput: 1.29 Mbit/s

95th percentile per-packet one-way delay: 141.069 ms

Loss rate: 1.34%

## Run 8: Report of Sprout — Data Link



Run 9: Statistics of Sprout

Start at: Sun, 09 Jul 2017 08:29:12 +0000

End at: Sun, 09 Jul 2017 08:29:42 +0000

Local clock offset: 4.693 ms

Remote clock offset: -0.259 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:22:08 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 176.561 ms

Loss rate: 0.79%

-- Flow 1:

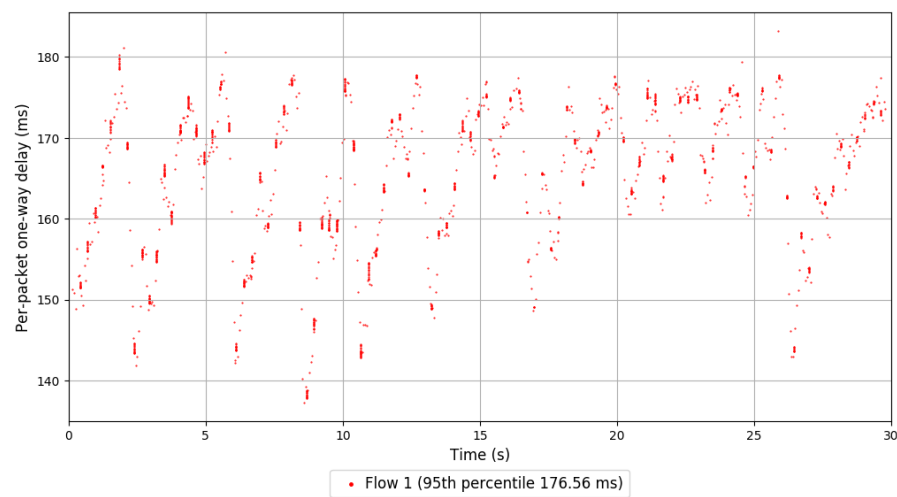
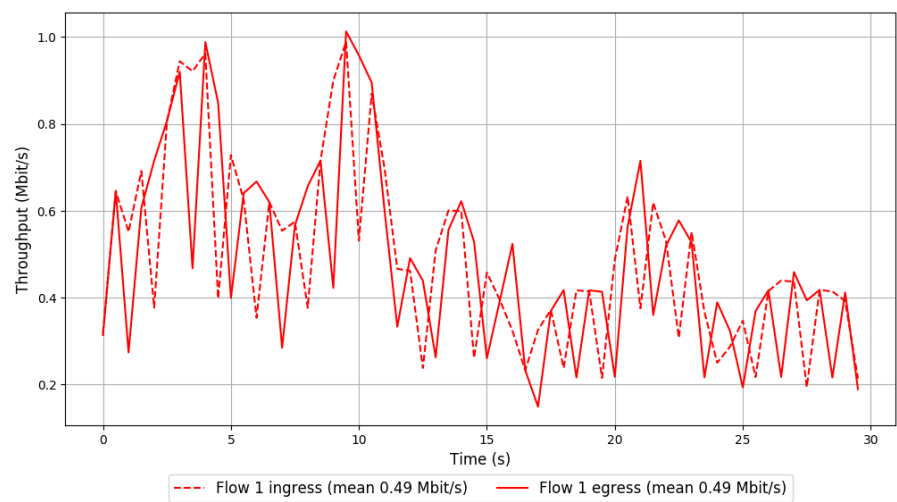
Average throughput: 0.49 Mbit/s

95th percentile per-packet one-way delay: 176.561 ms

Loss rate: 0.79%



Run 9: Report of Sprout — Data Link



Run 10: Statistics of Sprout

Start at: Sun, 09 Jul 2017 08:49:30 +0000

End at: Sun, 09 Jul 2017 08:50:00 +0000

Local clock offset: 4.802 ms

Remote clock offset: -0.063 ms

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

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 175.841 ms

Loss rate: 0.14%

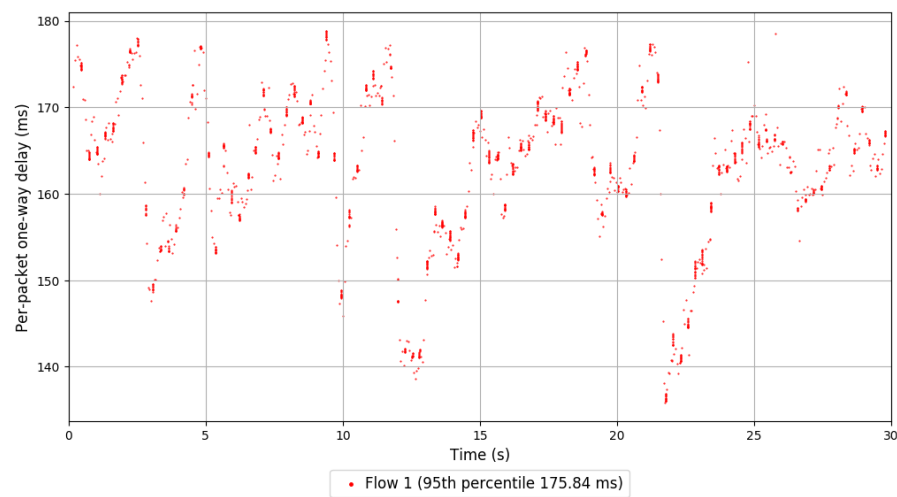
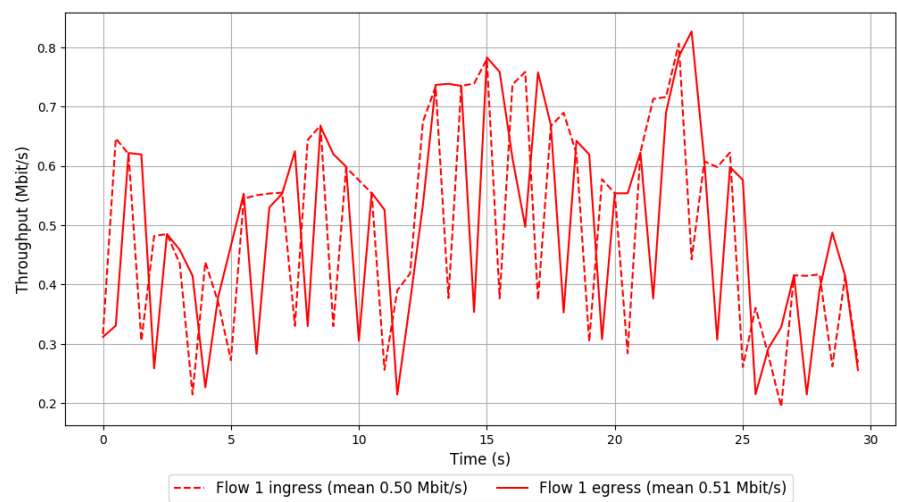
-- Flow 1:

Average throughput: 0.51 Mbit/s

95th percentile per-packet one-way delay: 175.841 ms

Loss rate: 0.14%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 06:16:28 +0000

End at: Sun, 09 Jul 2017 06:16:58 +0000

Local clock offset: 3.464 ms

Remote clock offset: -0.216 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:22:20 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 44.31 Mbit/s

95th percentile per-packet one-way delay: 152.238 ms

Loss rate: 1.19%

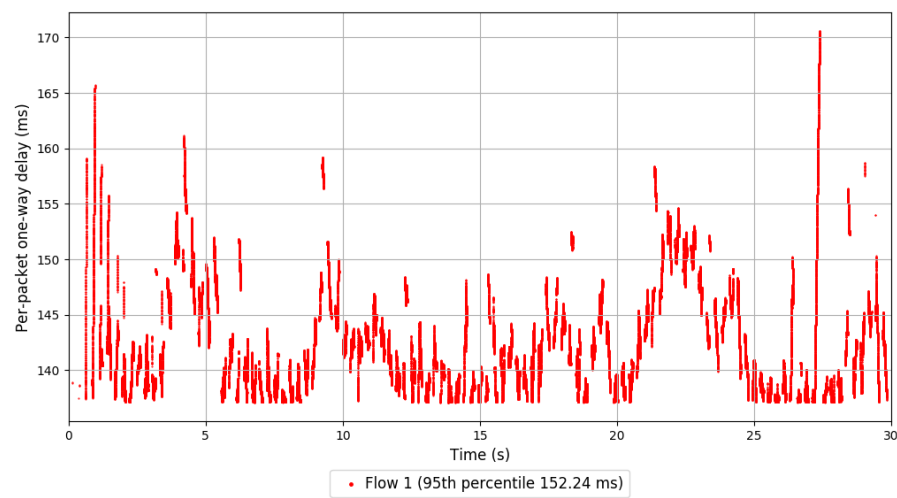
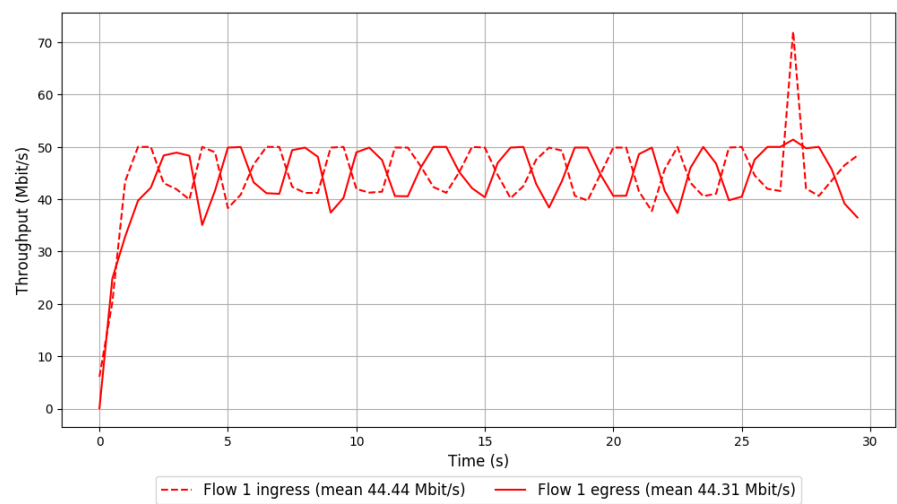
-- Flow 1:

Average throughput: 44.31 Mbit/s

95th percentile per-packet one-way delay: 152.238 ms

Loss rate: 1.19%

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



Run 2: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 06:35:02 +0000

End at: Sun, 09 Jul 2017 06:35:32 +0000

Local clock offset: 4.004 ms

Remote clock offset: -0.181 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:22:20 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 45.43 Mbit/s

95th percentile per-packet one-way delay: 156.042 ms

Loss rate: 1.66%

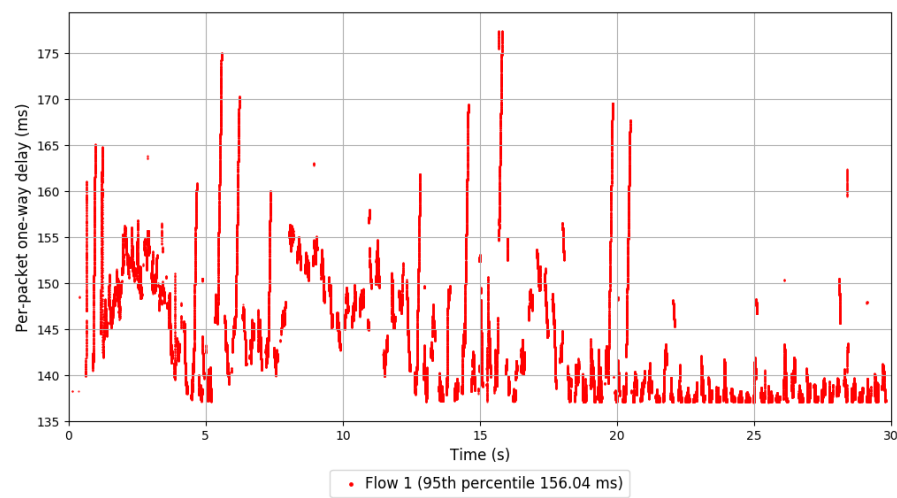
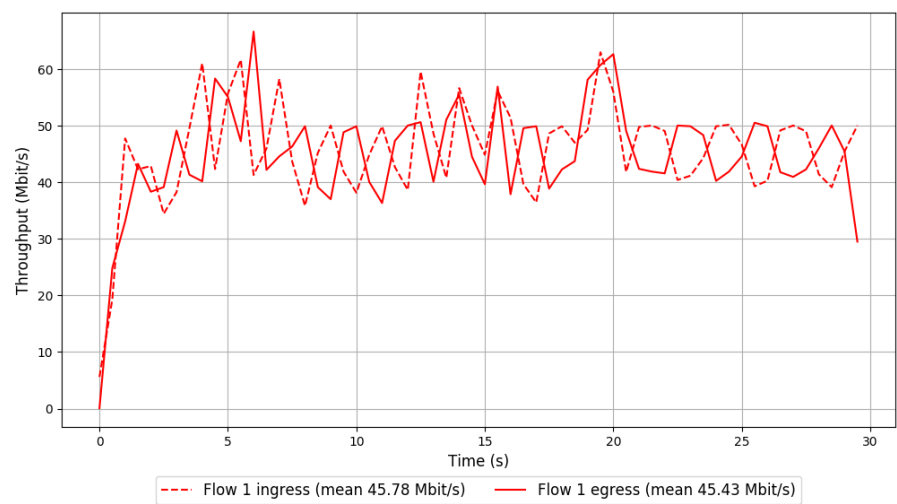
-- Flow 1:

Average throughput: 45.43 Mbit/s

95th percentile per-packet one-way delay: 156.042 ms

Loss rate: 1.66%

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



Run 3: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 06:53:52 +0000

End at: Sun, 09 Jul 2017 06:54:22 +0000

Local clock offset: 3.641 ms

Remote clock offset: -0.214 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:22:29 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.18 Mbit/s

95th percentile per-packet one-way delay: 178.475 ms

Loss rate: 1.42%

-- Flow 1:

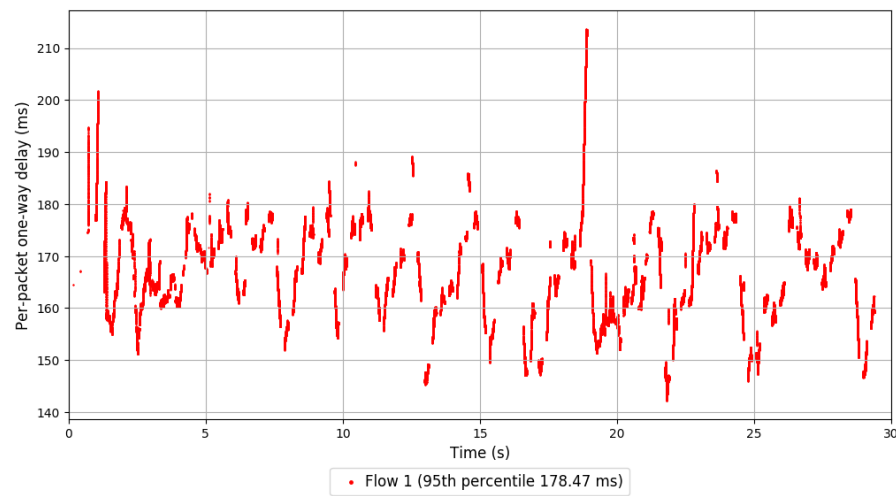
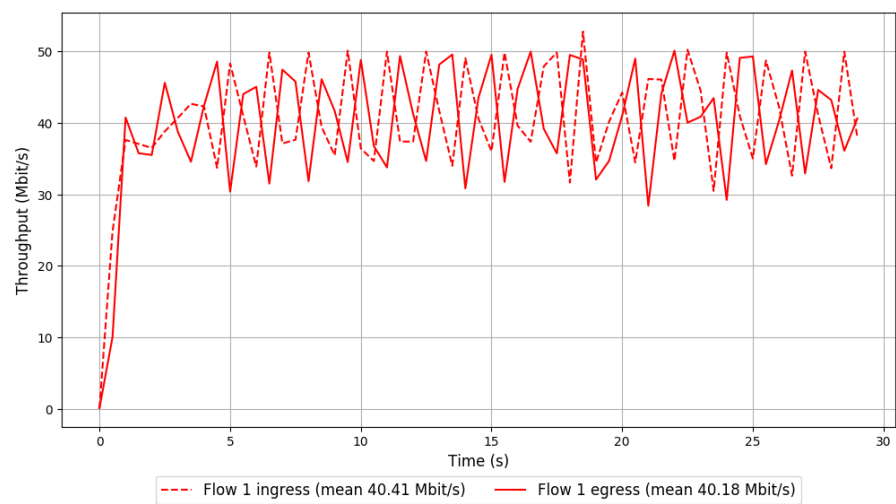
Average throughput: 40.18 Mbit/s

95th percentile per-packet one-way delay: 178.475 ms

Loss rate: 1.42%



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



Run 4: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 07:13:11 +0000

End at: Sun, 09 Jul 2017 07:13:41 +0000

Local clock offset: 4.274 ms

Remote clock offset: -0.412 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:22:30 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 40.99 Mbit/s

95th percentile per-packet one-way delay: 169.528 ms

Loss rate: 1.64%

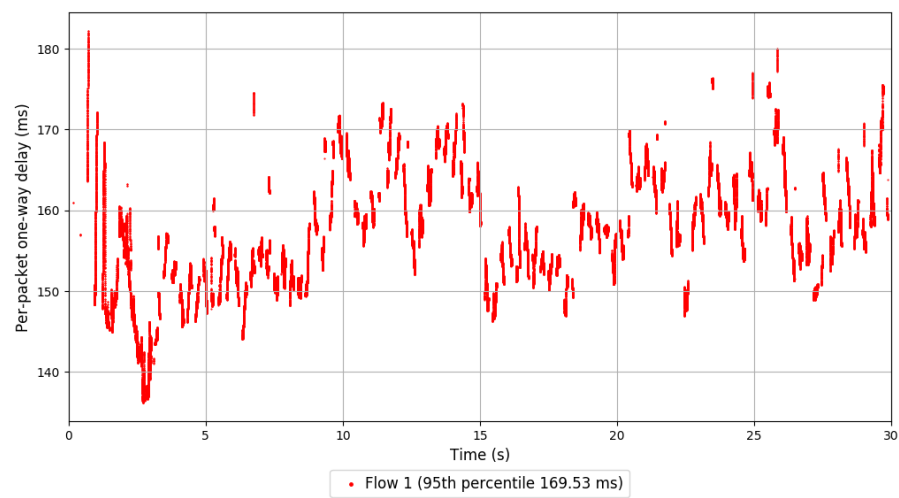
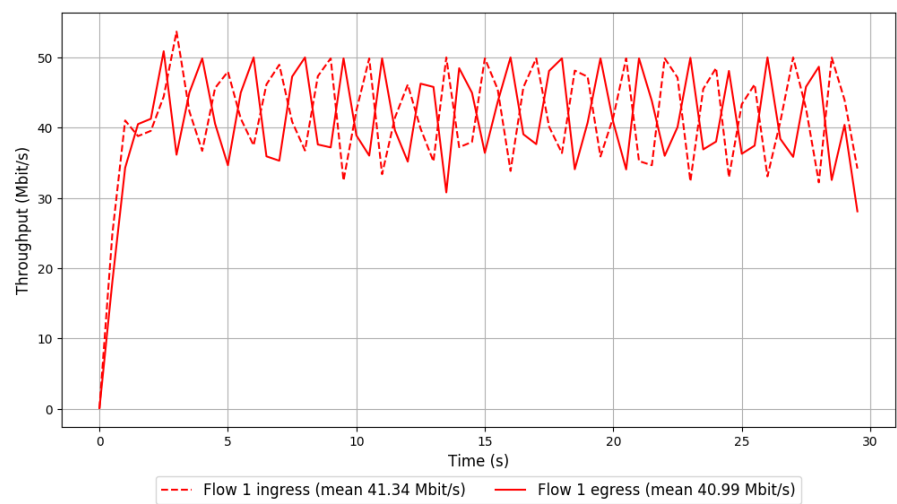
-- Flow 1:

Average throughput: 40.99 Mbit/s

95th percentile per-packet one-way delay: 169.528 ms

Loss rate: 1.64%

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



Run 5: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 07:31:29 +0000

End at: Sun, 09 Jul 2017 07:31:59 +0000

Local clock offset: 5.745 ms

Remote clock offset: -0.492 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:22:40 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 42.91 Mbit/s

95th percentile per-packet one-way delay: 166.310 ms

Loss rate: 1.18%

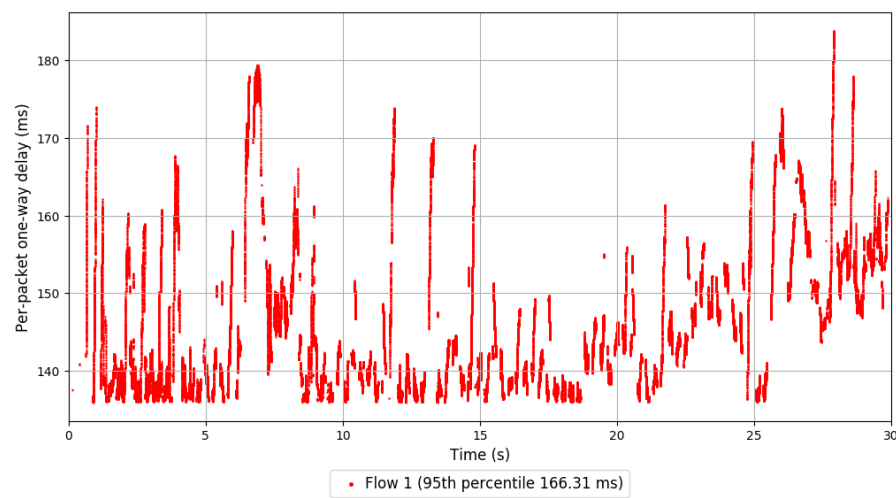
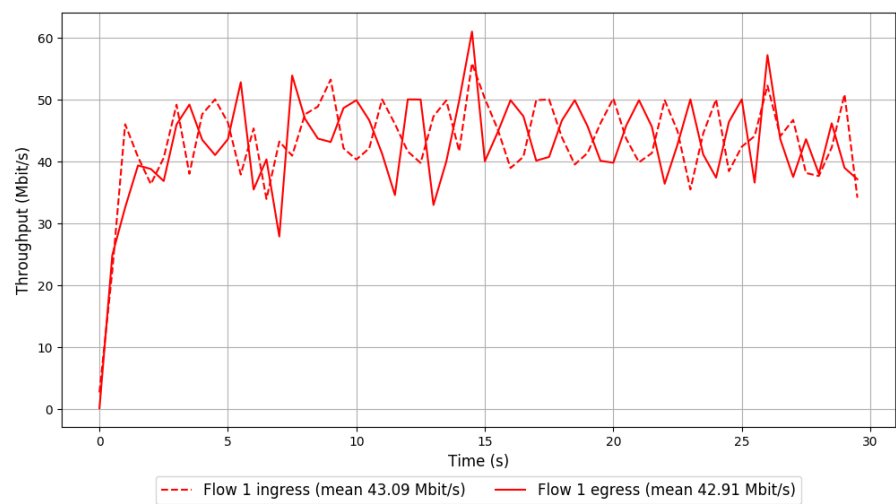
-- Flow 1:

Average throughput: 42.91 Mbit/s

95th percentile per-packet one-way delay: 166.310 ms

Loss rate: 1.18%

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



Run 6: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 07:50:05 +0000

End at: Sun, 09 Jul 2017 07:50:35 +0000

Local clock offset: 4.199 ms

Remote clock offset: -0.412 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:22:41 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 42.89 Mbit/s

95th percentile per-packet one-way delay: 159.695 ms

Loss rate: 1.05%

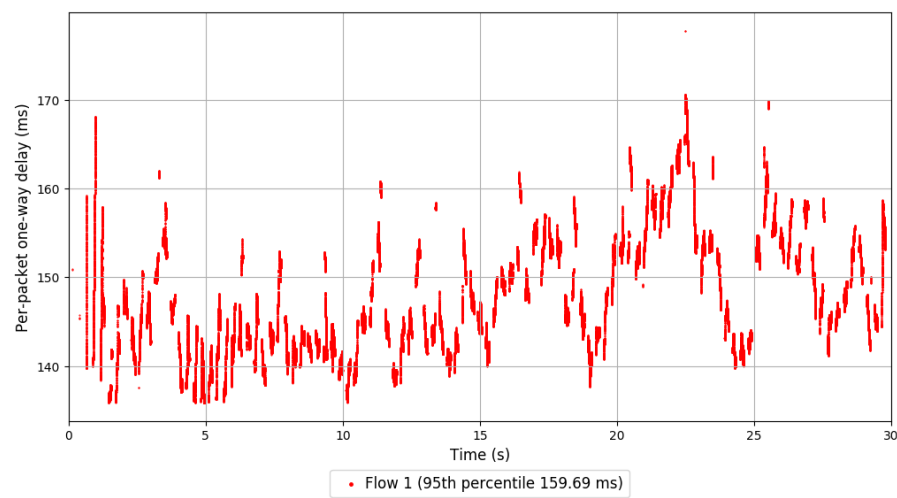
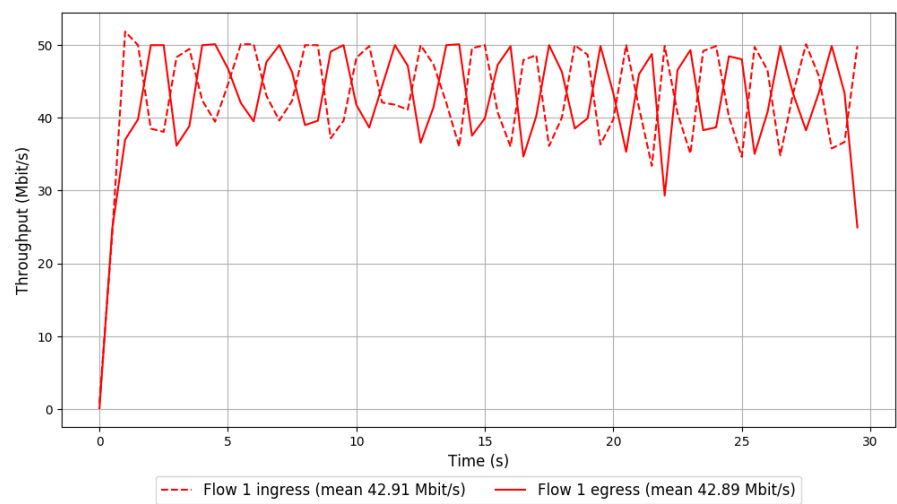
-- Flow 1:

Average throughput: 42.89 Mbit/s

95th percentile per-packet one-way delay: 159.695 ms

Loss rate: 1.05%

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



Run 7: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 08:08:17 +0000

End at: Sun, 09 Jul 2017 08:08:48 +0000

Local clock offset: 4.421 ms

Remote clock offset: -0.486 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:22:51 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 45.06 Mbit/s

95th percentile per-packet one-way delay: 146.644 ms

Loss rate: 0.90%

-- Flow 1:

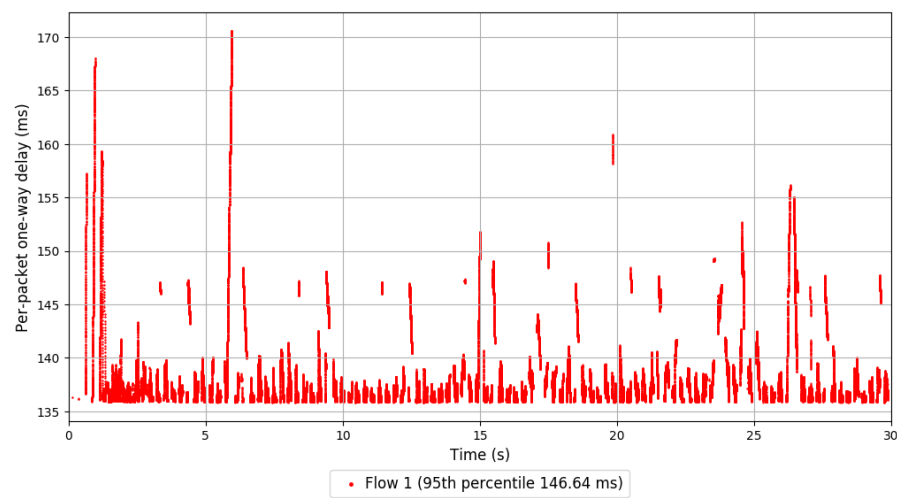
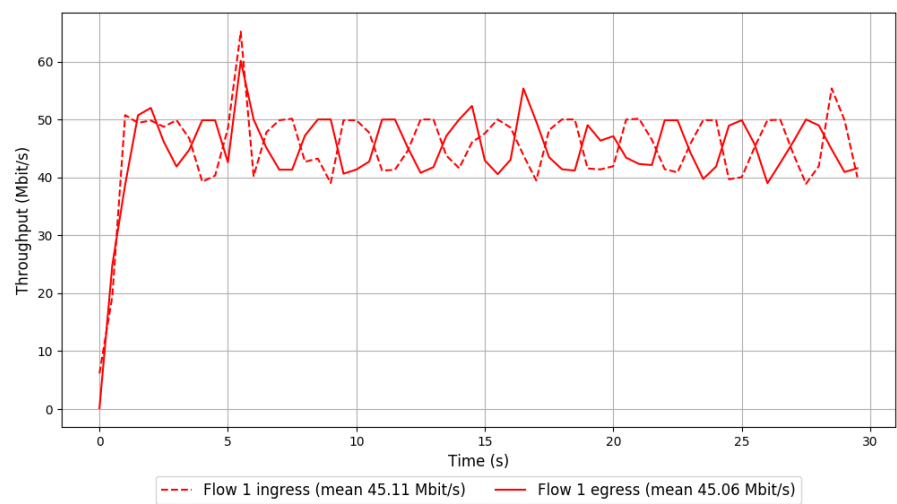
Average throughput: 45.06 Mbit/s

95th percentile per-packet one-way delay: 146.644 ms

Loss rate: 0.90%



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



Run 8: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 08:26:42 +0000

End at: Sun, 09 Jul 2017 08:27:12 +0000

Local clock offset: 5.717 ms

Remote clock offset: -0.29 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:22:52 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 41.55 Mbit/s

95th percentile per-packet one-way delay: 175.429 ms

Loss rate: 1.08%

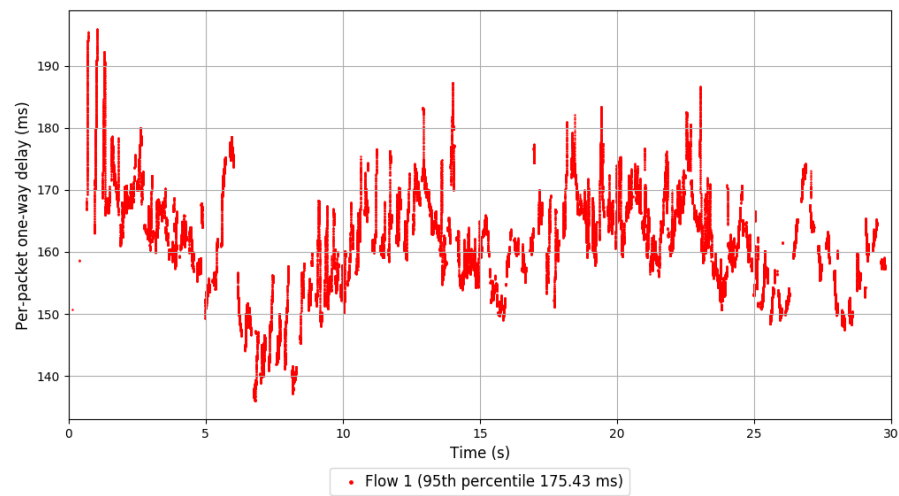
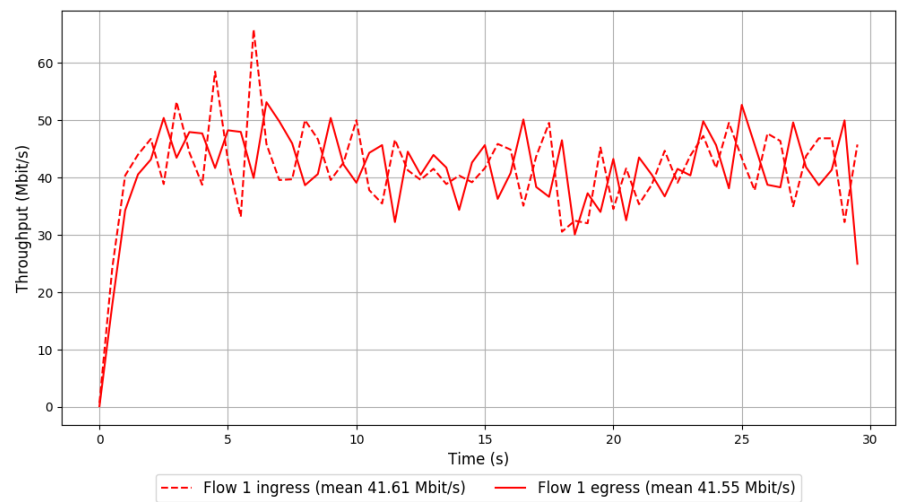
-- Flow 1:

Average throughput: 41.55 Mbit/s

95th percentile per-packet one-way delay: 175.429 ms

Loss rate: 1.08%

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



Run 9: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 08:46:25 +0000

End at: Sun, 09 Jul 2017 08:46:55 +0000

Local clock offset: 5.812 ms

Remote clock offset: -0.156 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:22:58 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 39.65 Mbit/s

95th percentile per-packet one-way delay: 178.455 ms

Loss rate: 2.11%

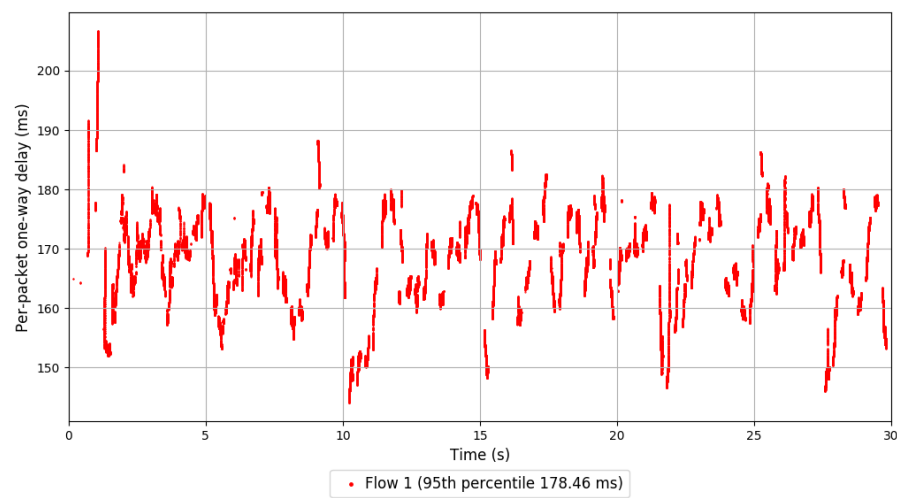
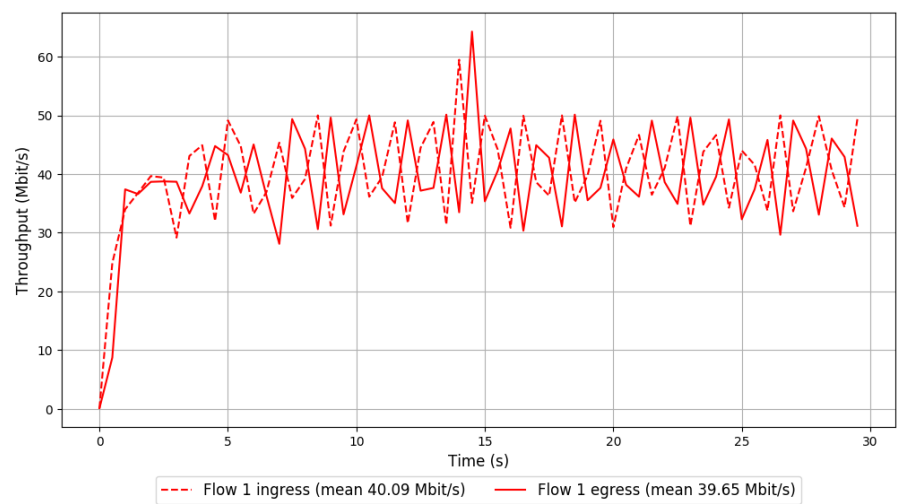
-- Flow 1:

Average throughput: 39.65 Mbit/s

95th percentile per-packet one-way delay: 178.455 ms

Loss rate: 2.11%

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



Run 10: Statistics of TaoVA-100x

Start at: Sun, 09 Jul 2017 09:05:13 +0000

End at: Sun, 09 Jul 2017 09:05:43 +0000

Local clock offset: 5.87 ms

Remote clock offset: -0.01 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:04 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 43.35 Mbit/s

95th percentile per-packet one-way delay: 147.371 ms

Loss rate: 2.29%

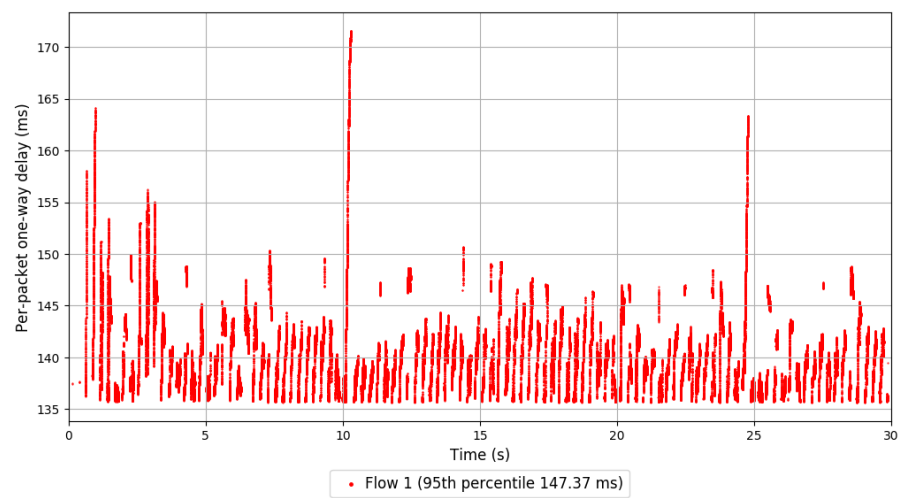
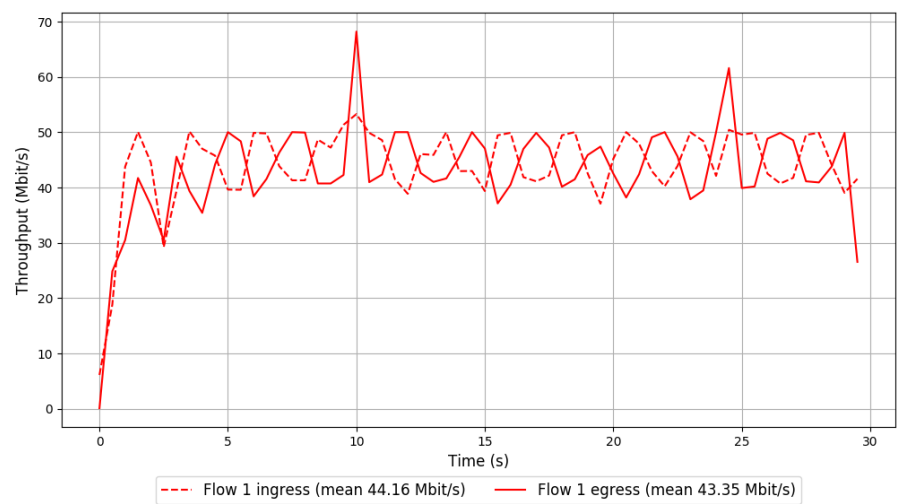
-- Flow 1:

Average throughput: 43.35 Mbit/s

95th percentile per-packet one-way delay: 147.371 ms

Loss rate: 2.29%

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



Run 1: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 06:05:33 +0000

End at: Sun, 09 Jul 2017 06:06:03 +0000

Local clock offset: 3.267 ms

Remote clock offset: -0.09 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:04 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 16.57 Mbit/s

95th percentile per-packet one-way delay: 144.022 ms

Loss rate: 0.55%

-- Flow 1:

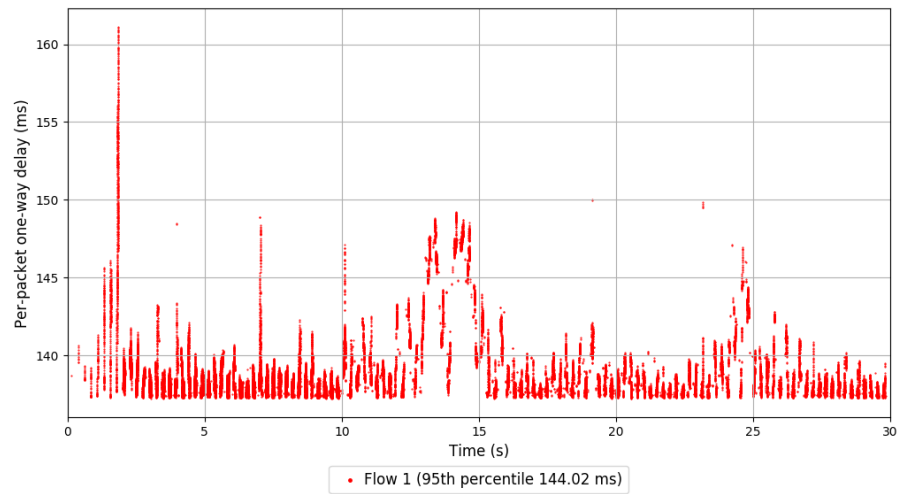
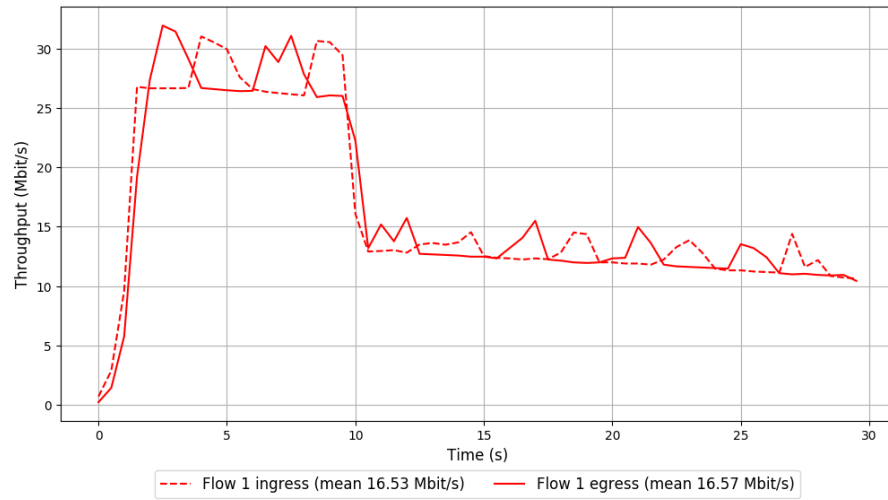
Average throughput: 16.57 Mbit/s

95th percentile per-packet one-way delay: 144.022 ms

Loss rate: 0.55%



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



Run 2: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 06:23:53 +0000

End at: Sun, 09 Jul 2017 06:24:23 +0000

Local clock offset: 3.292 ms

Remote clock offset: -0.205 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:05 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 8.22 Mbit/s

95th percentile per-packet one-way delay: 141.094 ms

Loss rate: 0.82%

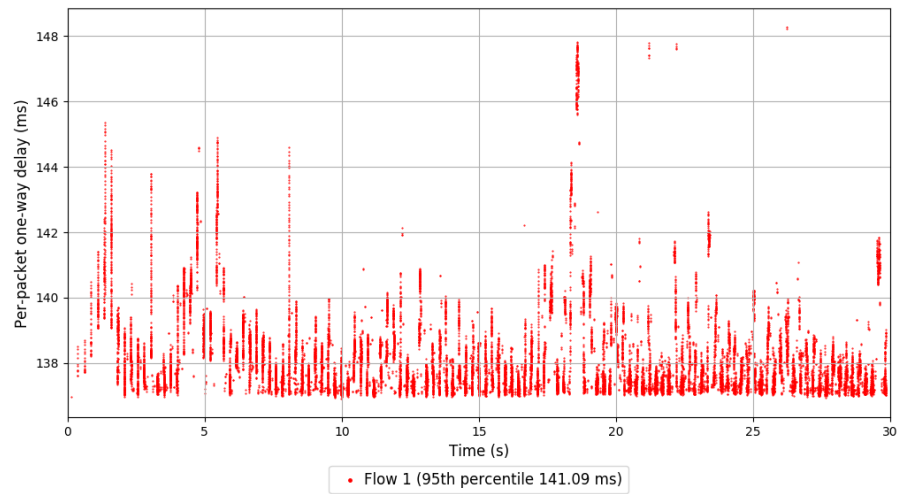
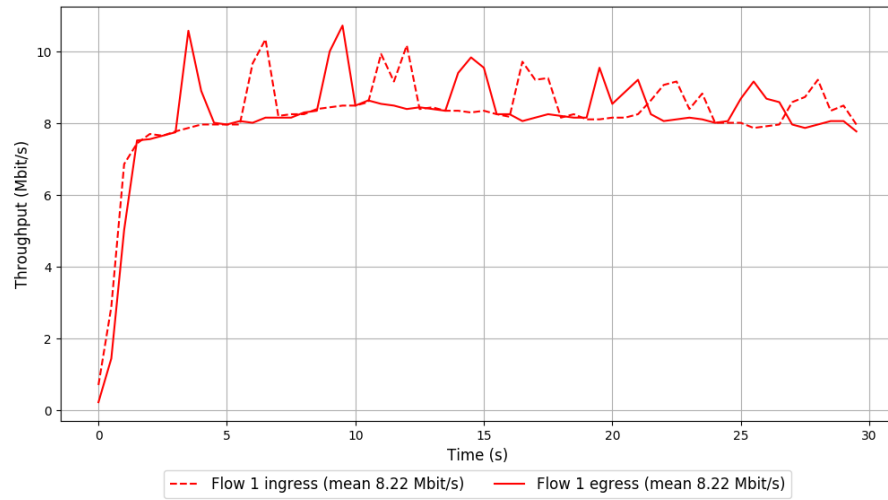
-- Flow 1:

Average throughput: 8.22 Mbit/s

95th percentile per-packet one-way delay: 141.094 ms

Loss rate: 0.82%

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



Run 3: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 06:42:27 +0000

End at: Sun, 09 Jul 2017 06:42:57 +0000

Local clock offset: 4.656 ms

Remote clock offset: -0.154 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:05 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 174.094 ms

Loss rate: 0.43%

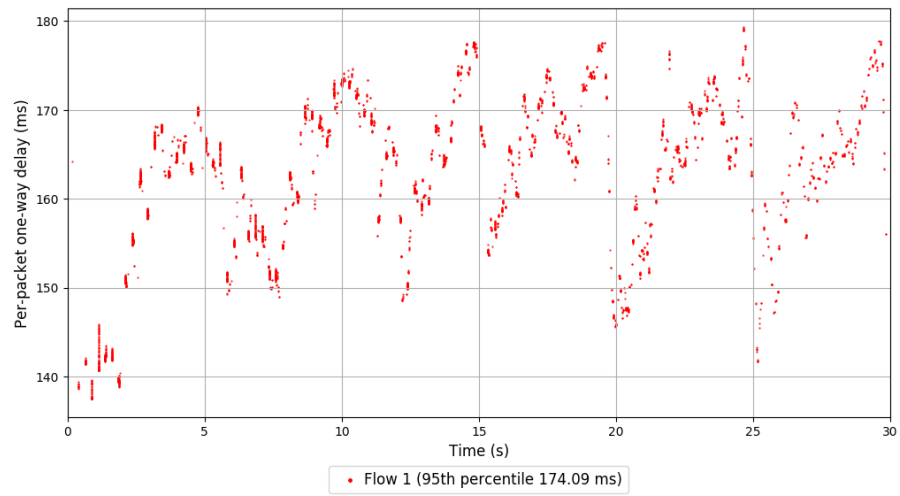
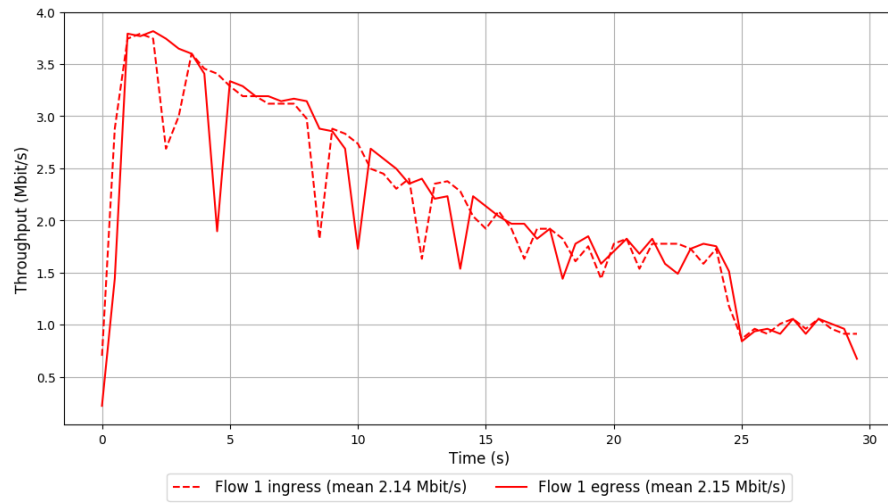
-- Flow 1:

Average throughput: 2.15 Mbit/s

95th percentile per-packet one-way delay: 174.094 ms

Loss rate: 0.43%

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



Run 4: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 07:02:15 +0000

End at: Sun, 09 Jul 2017 07:02:45 +0000

Local clock offset: 3.986 ms

Remote clock offset: -0.261 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:06 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.56 Mbit/s

95th percentile per-packet one-way delay: 174.632 ms

Loss rate: 0.78%

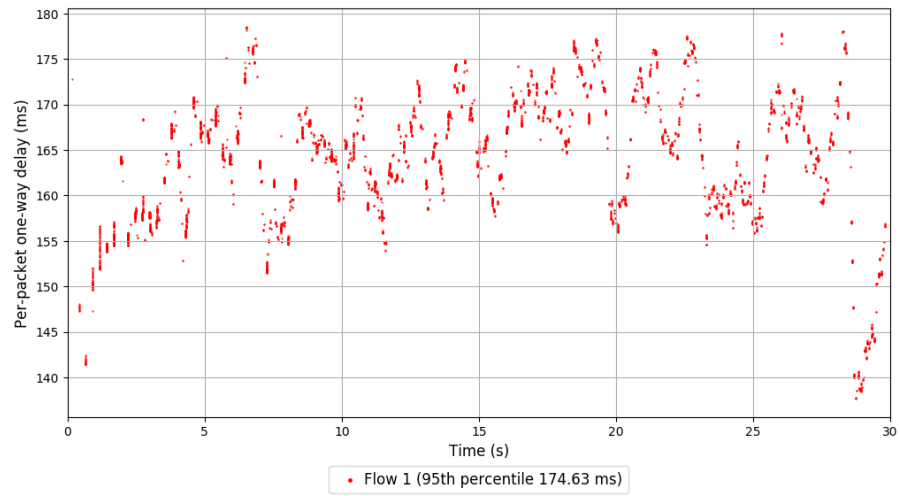
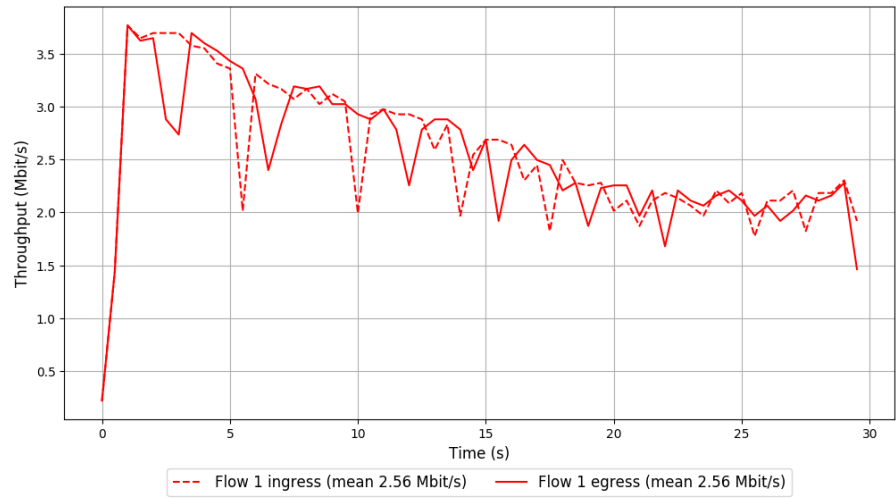
-- Flow 1:

Average throughput: 2.56 Mbit/s

95th percentile per-packet one-way delay: 174.632 ms

Loss rate: 0.78%

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



Run 5: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 07:20:28 +0000

End at: Sun, 09 Jul 2017 07:20:58 +0000

Local clock offset: 5.27 ms

Remote clock offset: -0.531 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:07 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.20 Mbit/s

95th percentile per-packet one-way delay: 155.864 ms

Loss rate: 0.51%

-- Flow 1:

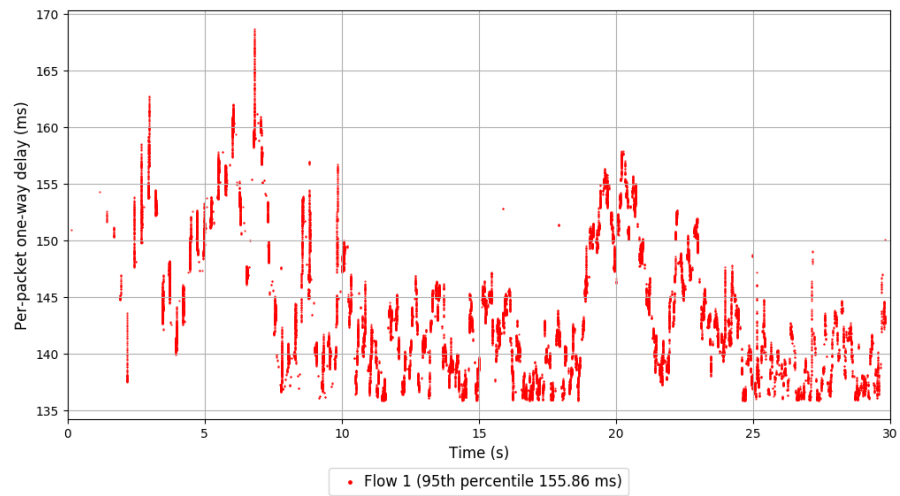
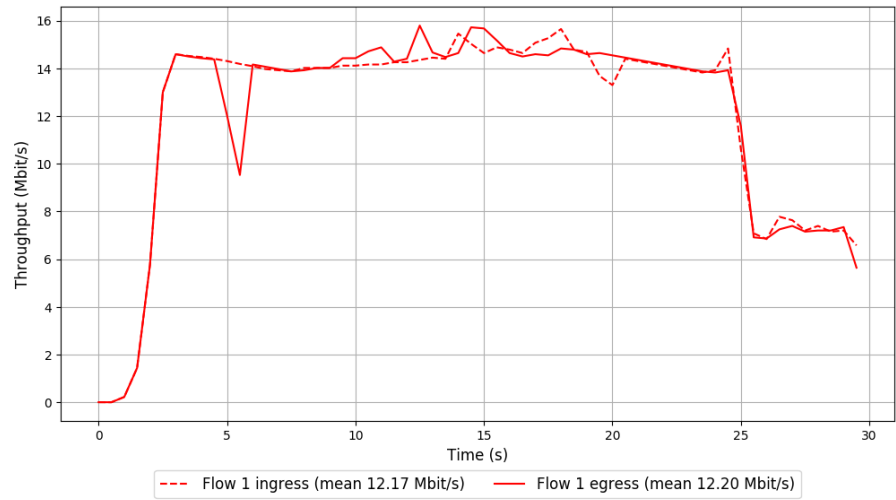
Average throughput: 12.20 Mbit/s

95th percentile per-packet one-way delay: 155.864 ms

Loss rate: 0.51%



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



Run 6: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 07:39:08 +0000

End at: Sun, 09 Jul 2017 07:39:38 +0000

Local clock offset: 5.378 ms

Remote clock offset: -0.482 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:10 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 17.56 Mbit/s

95th percentile per-packet one-way delay: 184.925 ms

Loss rate: 0.71%

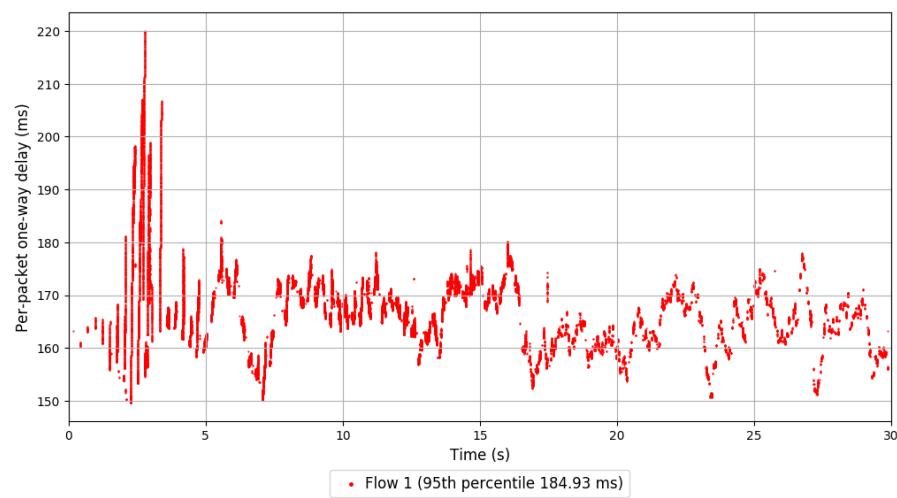
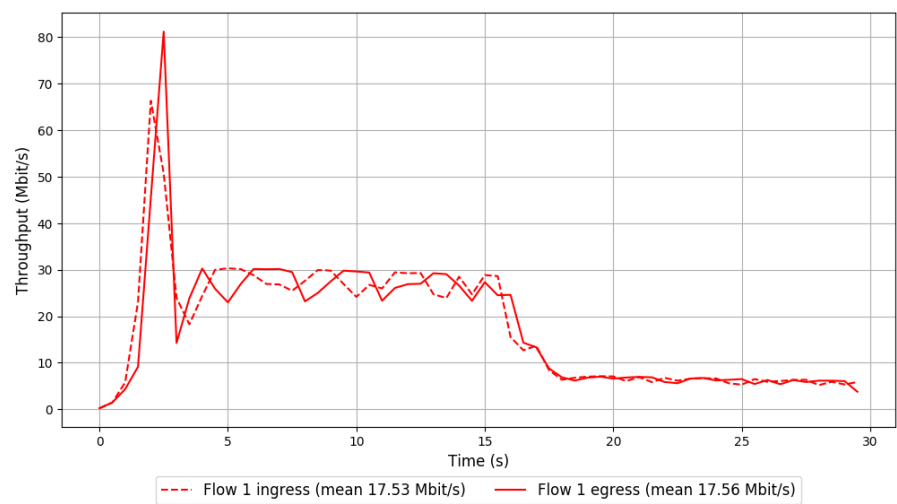
-- Flow 1:

Average throughput: 17.56 Mbit/s

95th percentile per-packet one-way delay: 184.925 ms

Loss rate: 0.71%

Run 6: Report of TCP Vegas — Data Link



Run 7: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 07:57:28 +0000

End at: Sun, 09 Jul 2017 07:57:58 +0000

Local clock offset: 5.456 ms

Remote clock offset: -0.415 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:10 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.81 Mbit/s

95th percentile per-packet one-way delay: 150.473 ms

Loss rate: 0.90%

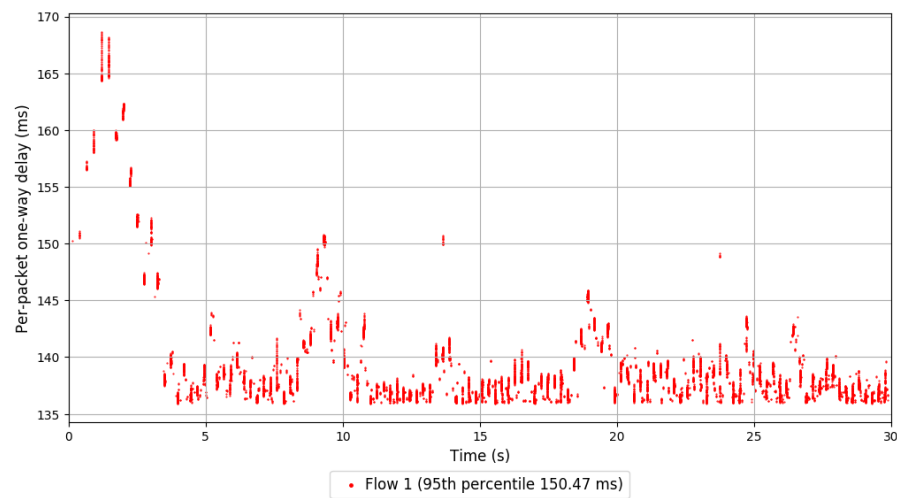
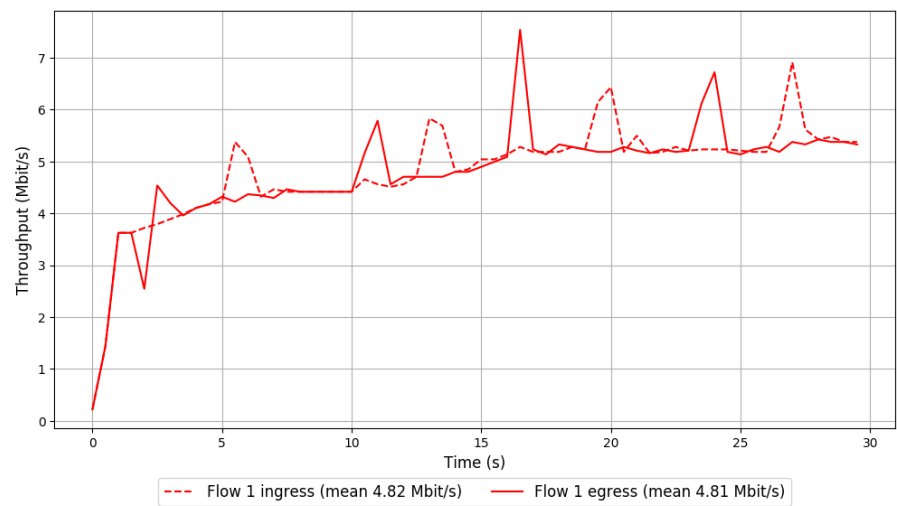
-- Flow 1:

Average throughput: 4.81 Mbit/s

95th percentile per-packet one-way delay: 150.473 ms

Loss rate: 0.90%

Run 7: Report of TCP Vegas — Data Link



Run 8: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 08:15:48 +0000

End at: Sun, 09 Jul 2017 08:16:18 +0000

Local clock offset: 4.579 ms

Remote clock offset: -0.395 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:13 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.85 Mbit/s

95th percentile per-packet one-way delay: 161.135 ms

Loss rate: 1.03%

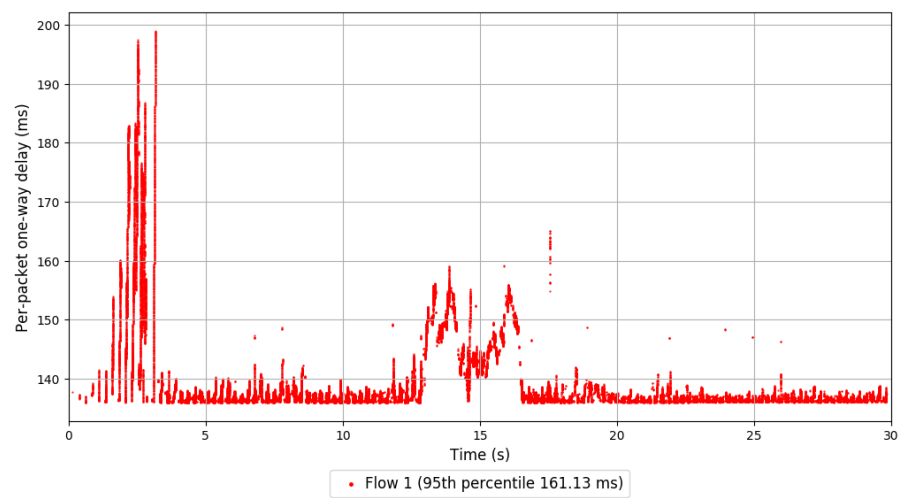
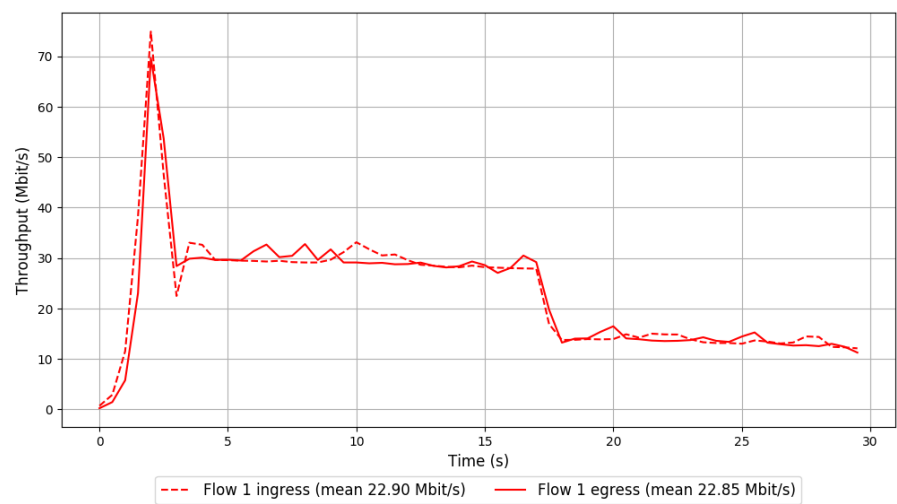
-- Flow 1:

Average throughput: 22.85 Mbit/s

95th percentile per-packet one-way delay: 161.135 ms

Loss rate: 1.03%

Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 08:34:51 +0000

End at: Sun, 09 Jul 2017 08:35:21 +0000

Local clock offset: 3.884 ms

Remote clock offset: -0.214 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:13 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 177.356 ms

Loss rate: 1.25%

-- Flow 1:

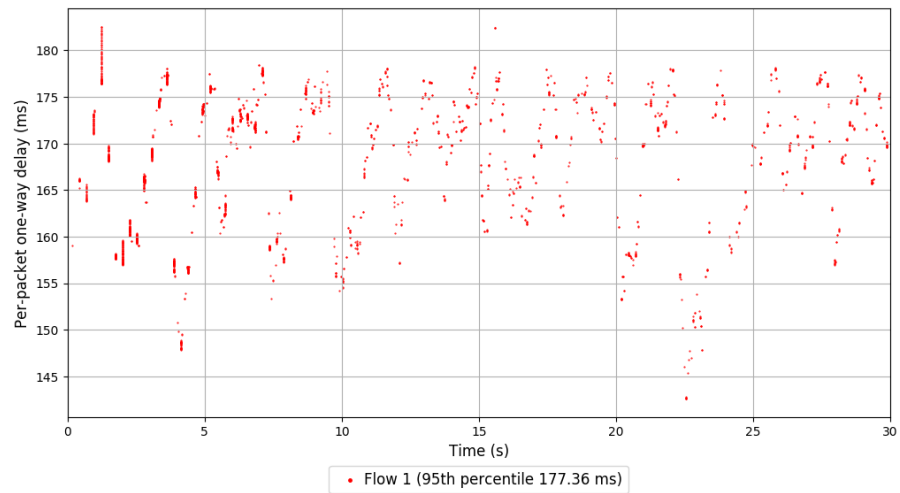
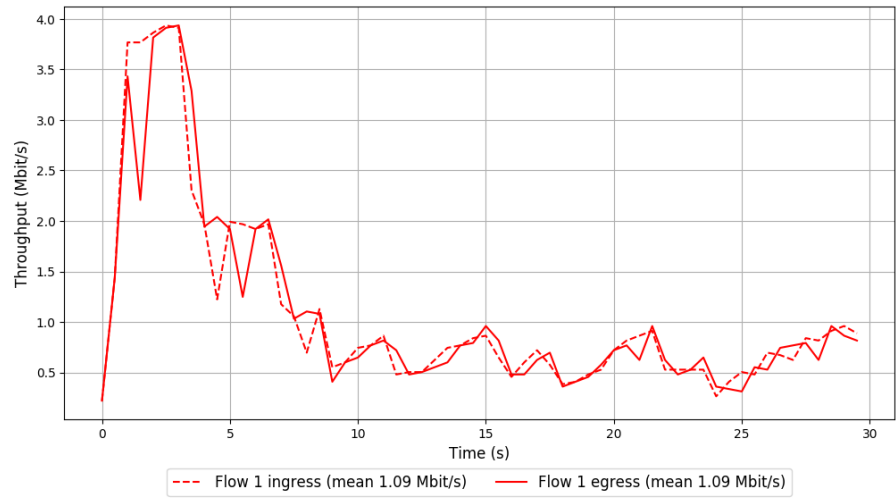
Average throughput: 1.09 Mbit/s

95th percentile per-packet one-way delay: 177.356 ms

Loss rate: 1.25%



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



Run 10: Statistics of TCP Vegas

Start at: Sun, 09 Jul 2017 08:54:20 +0000

End at: Sun, 09 Jul 2017 08:54:50 +0000

Local clock offset: 5.926 ms

Remote clock offset: -0.086 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:13 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 6.10 Mbit/s

95th percentile per-packet one-way delay: 144.325 ms

Loss rate: 0.38%

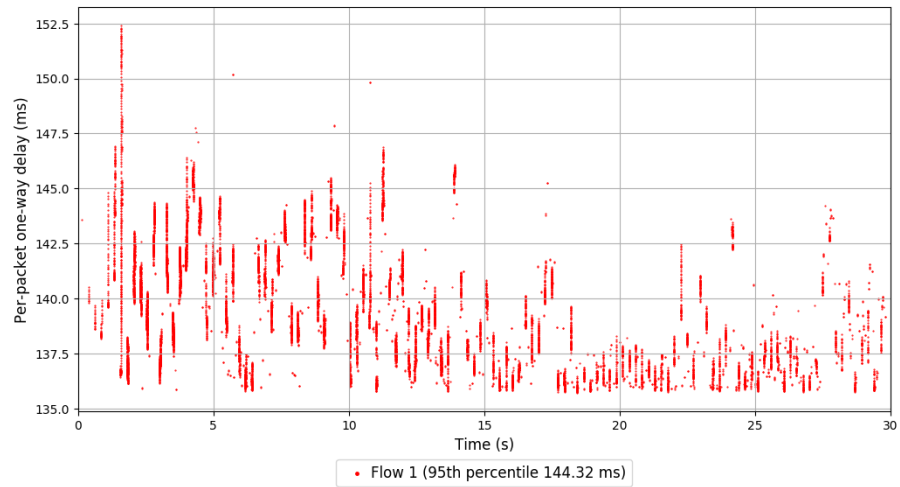
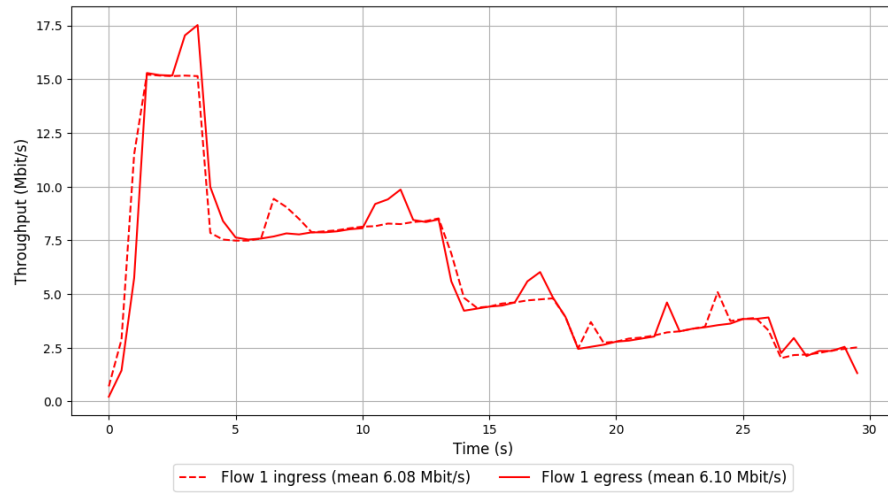
-- Flow 1:

Average throughput: 6.10 Mbit/s

95th percentile per-packet one-way delay: 144.325 ms

Loss rate: 0.38%

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



Run 1: Statistics of Verus

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

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

Local clock offset: 3.032 ms

Remote clock offset: -0.063 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:19 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 35.09 Mbit/s

95th percentile per-packet one-way delay: 209.690 ms

Loss rate: 57.06%

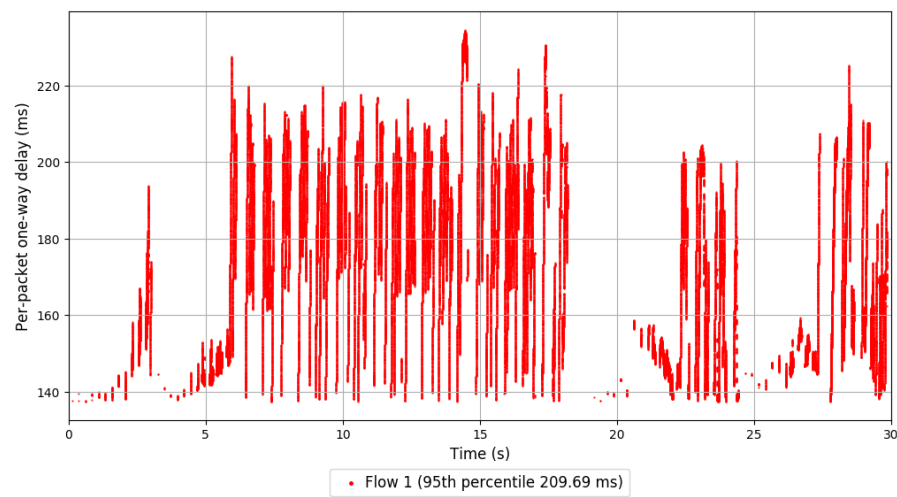
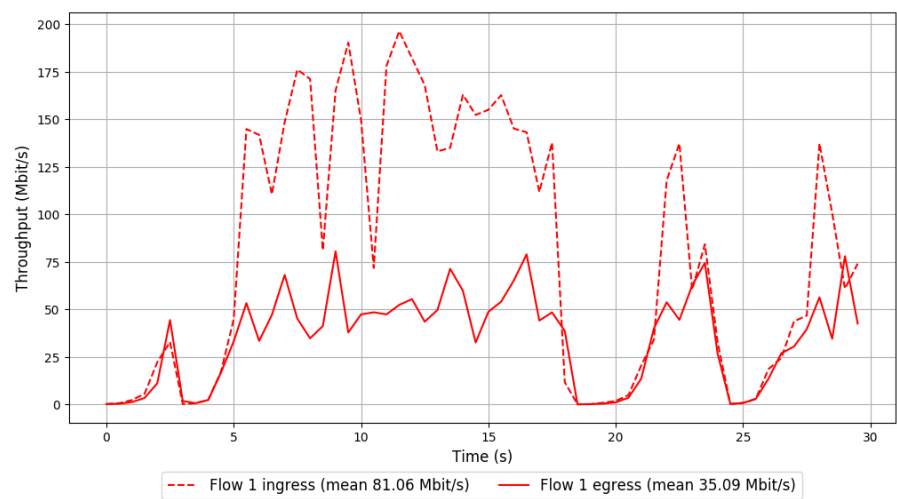
-- Flow 1:

Average throughput: 35.09 Mbit/s

95th percentile per-packet one-way delay: 209.690 ms

Loss rate: 57.06%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: Sun, 09 Jul 2017 06:21:25 +0000

End at: Sun, 09 Jul 2017 06:21:55 +0000

Local clock offset: 3.288 ms

Remote clock offset: -0.197 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:19 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 19.80 Mbit/s

95th percentile per-packet one-way delay: 200.015 ms

Loss rate: 48.43%

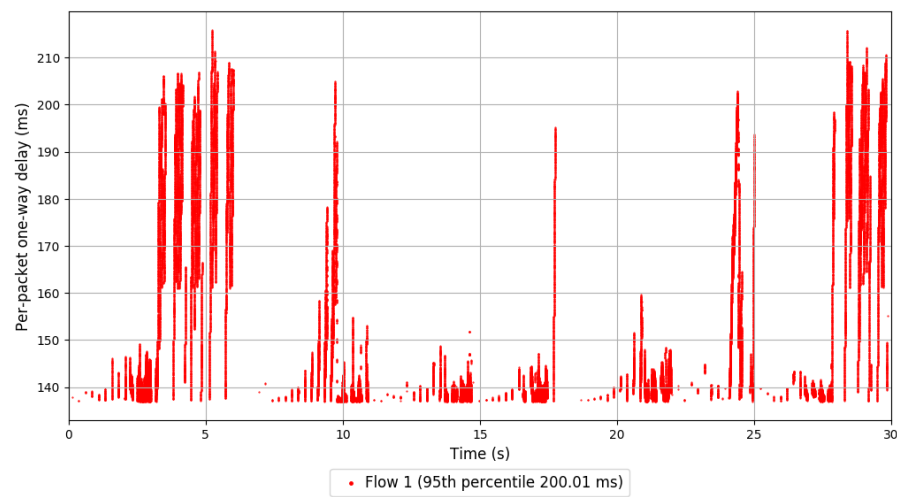
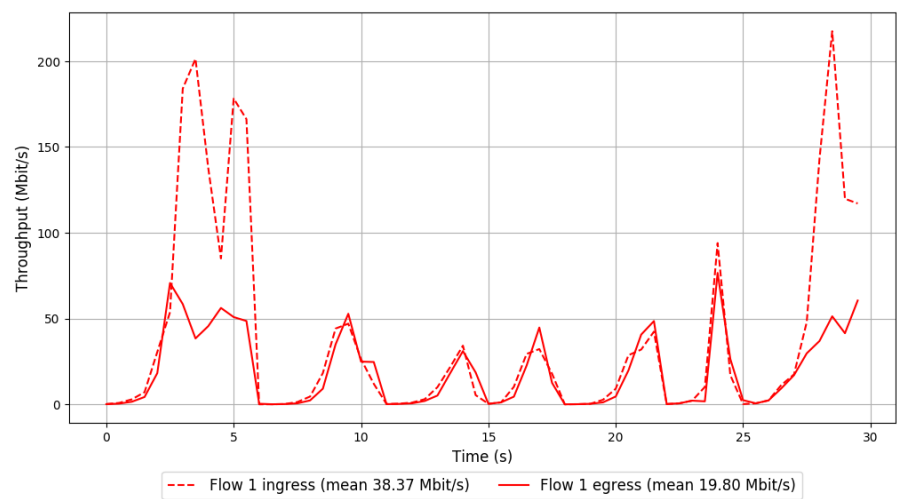
-- Flow 1:

Average throughput: 19.80 Mbit/s

95th percentile per-packet one-way delay: 200.015 ms

Loss rate: 48.43%

Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: Sun, 09 Jul 2017 06:39:57 +0000

End at: Sun, 09 Jul 2017 06:40:27 +0000

Local clock offset: 3.028 ms

Remote clock offset: -0.214 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:24 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 34.58 Mbit/s

95th percentile per-packet one-way delay: 206.654 ms

Loss rate: 52.61%

-- Flow 1:

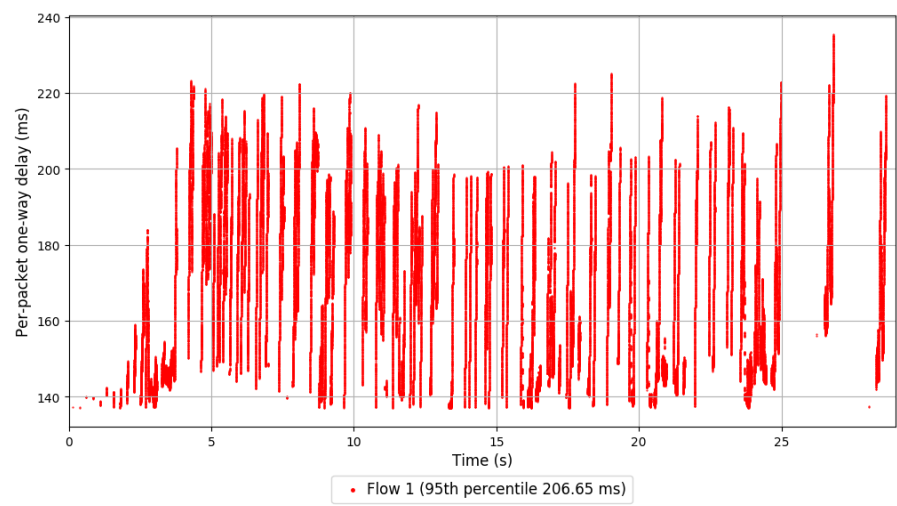
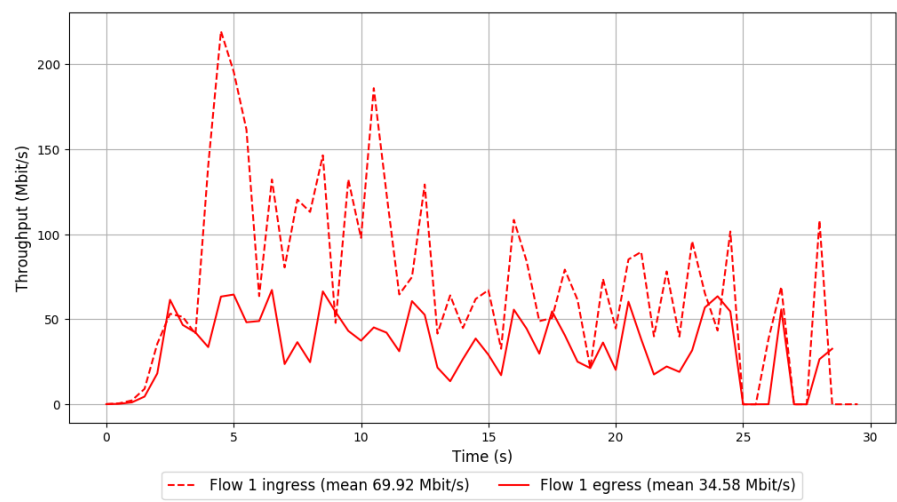
Average throughput: 34.58 Mbit/s

95th percentile per-packet one-way delay: 206.654 ms

Loss rate: 52.61%



Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: Sun, 09 Jul 2017 06:59:40 +0000

End at: Sun, 09 Jul 2017 07:00:10 +0000

Local clock offset: 5.203 ms

Remote clock offset: -0.242 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:24 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 14.18 Mbit/s

95th percentile per-packet one-way delay: 224.145 ms

Loss rate: 58.12%

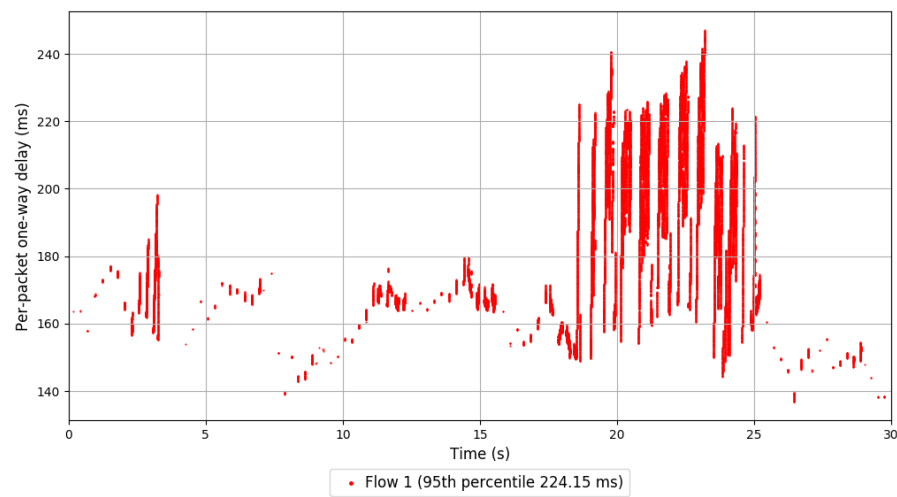
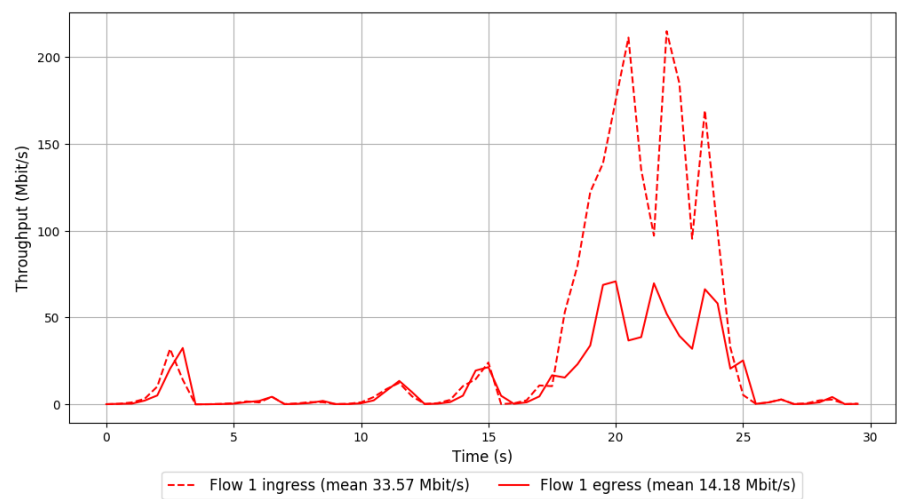
-- Flow 1:

Average throughput: 14.18 Mbit/s

95th percentile per-packet one-way delay: 224.145 ms

Loss rate: 58.12%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: Sun, 09 Jul 2017 07:18:01 +0000

End at: Sun, 09 Jul 2017 07:18:31 +0000

Local clock offset: 4.329 ms

Remote clock offset: -0.495 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:24 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.55 Mbit/s

95th percentile per-packet one-way delay: 203.284 ms

Loss rate: 7.86%

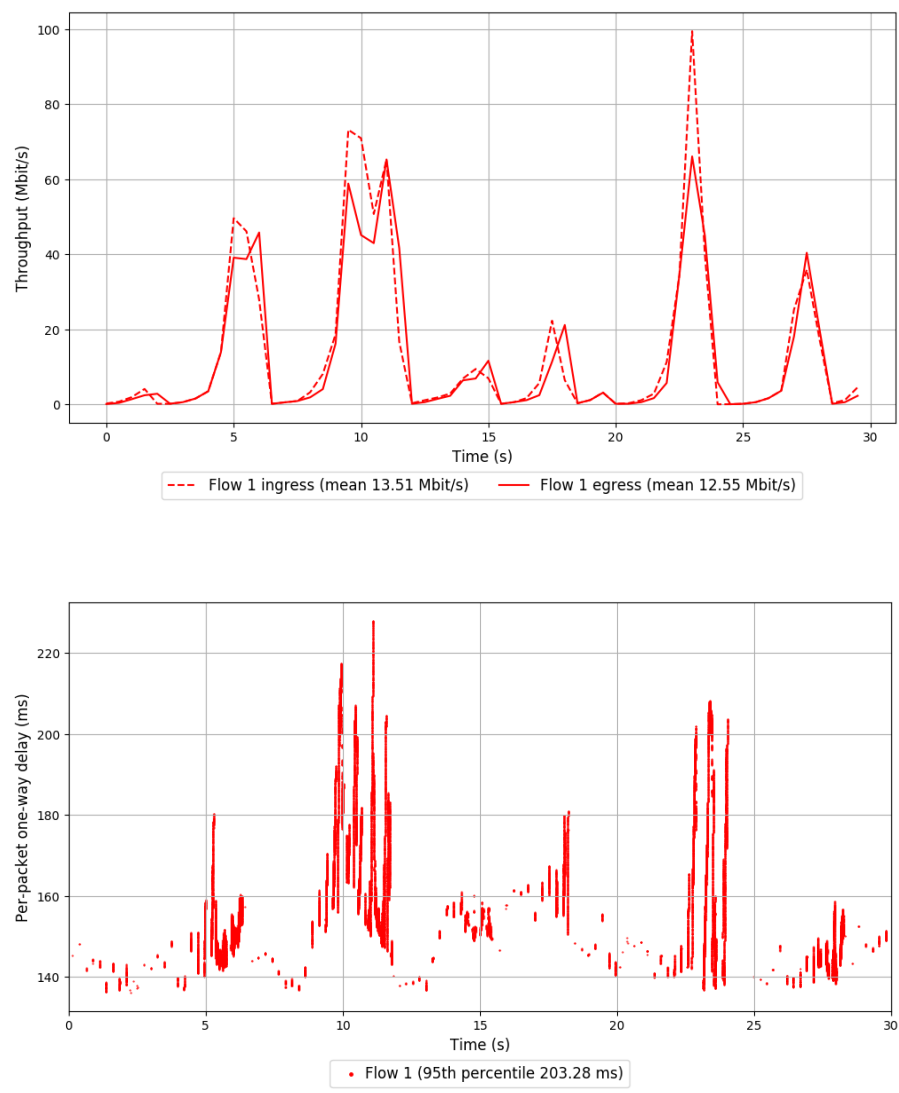
-- Flow 1:

Average throughput: 12.55 Mbit/s

95th percentile per-packet one-way delay: 203.284 ms

Loss rate: 7.86%

Run 5: Report of Verus — Data Link



Run 6: Statistics of Verus

Start at: Sun, 09 Jul 2017 07:36:27 +0000

End at: Sun, 09 Jul 2017 07:36:57 +0000

Local clock offset: 5.368 ms

Remote clock offset: -0.463 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:29 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 34.44 Mbit/s

95th percentile per-packet one-way delay: 221.597 ms

Loss rate: 38.82%

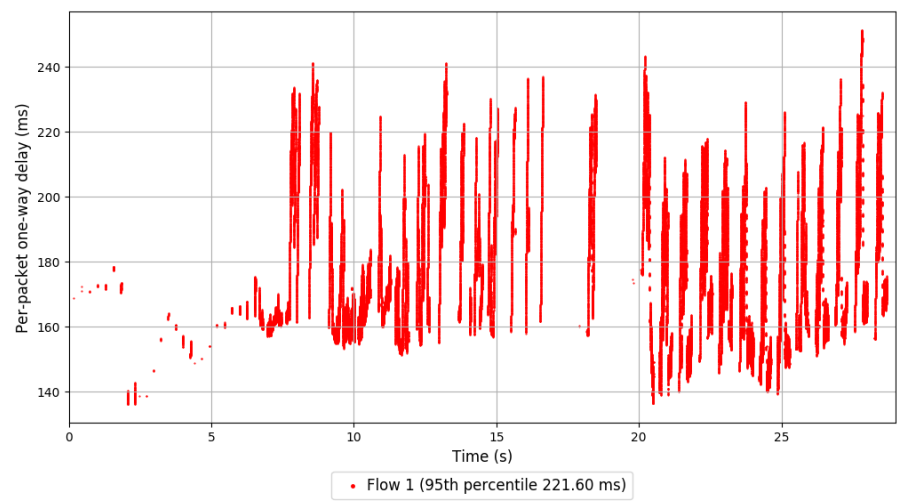
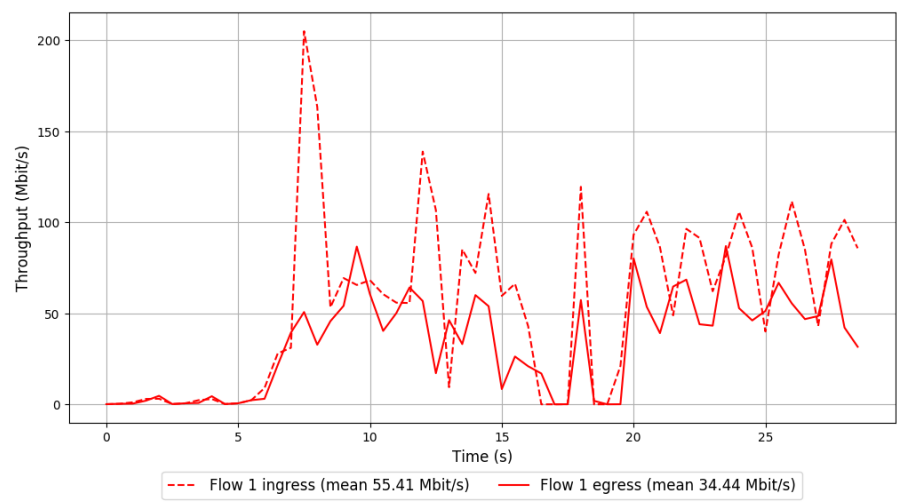
-- Flow 1:

Average throughput: 34.44 Mbit/s

95th percentile per-packet one-way delay: 221.597 ms

Loss rate: 38.82%

Run 6: Report of Verus — Data Link



Run 7: Statistics of Verus

Start at: Sun, 09 Jul 2017 07:55:01 +0000

End at: Sun, 09 Jul 2017 07:55:31 +0000

Local clock offset: 3.013 ms

Remote clock offset: -0.414 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:29 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 16.17 Mbit/s

95th percentile per-packet one-way delay: 196.528 ms

Loss rate: 21.55%

-- Flow 1:

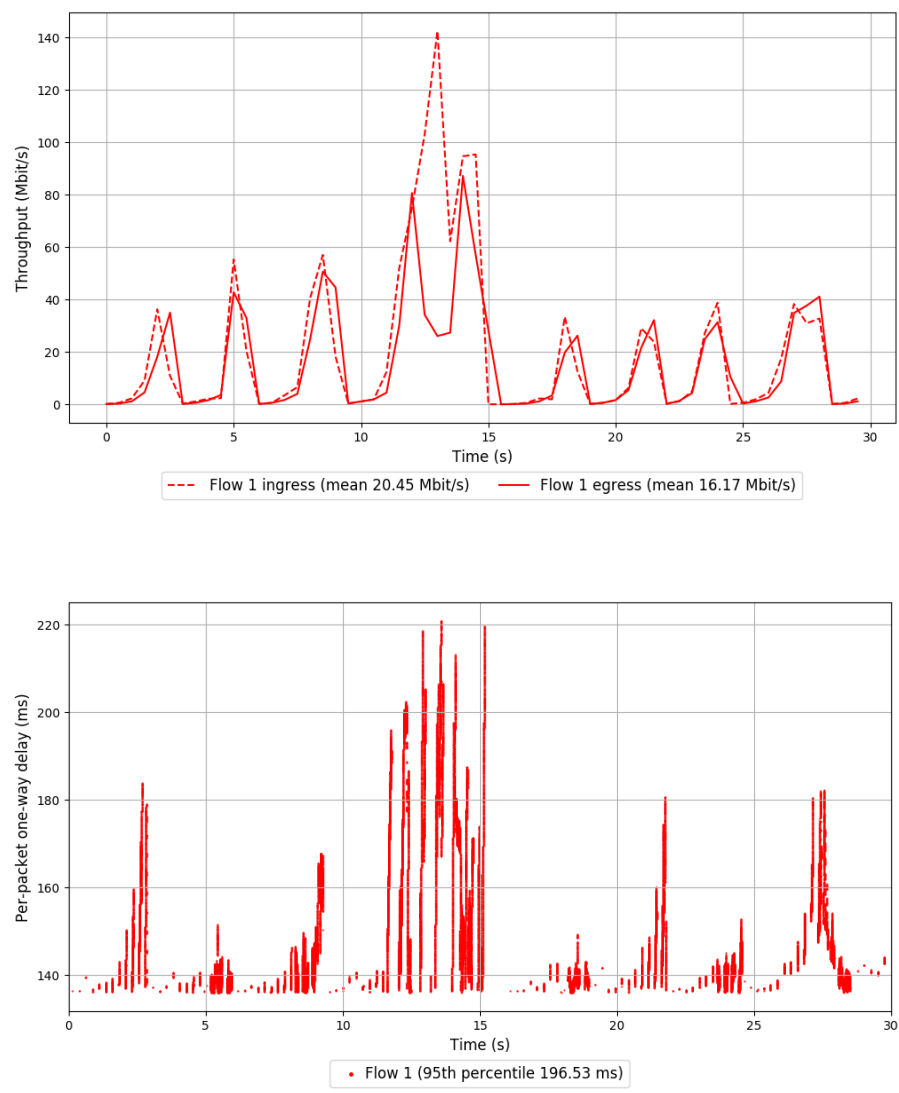
Average throughput: 16.17 Mbit/s

95th percentile per-packet one-way delay: 196.528 ms

Loss rate: 21.55%



Run 7: Report of Verus — Data Link



Run 8: Statistics of Verus

Start at: Sun, 09 Jul 2017 08:13:15 +0000

End at: Sun, 09 Jul 2017 08:13:45 +0000

Local clock offset: 4.507 ms

Remote clock offset: -0.413 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:35 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 36.30 Mbit/s

95th percentile per-packet one-way delay: 203.724 ms

Loss rate: 57.48%

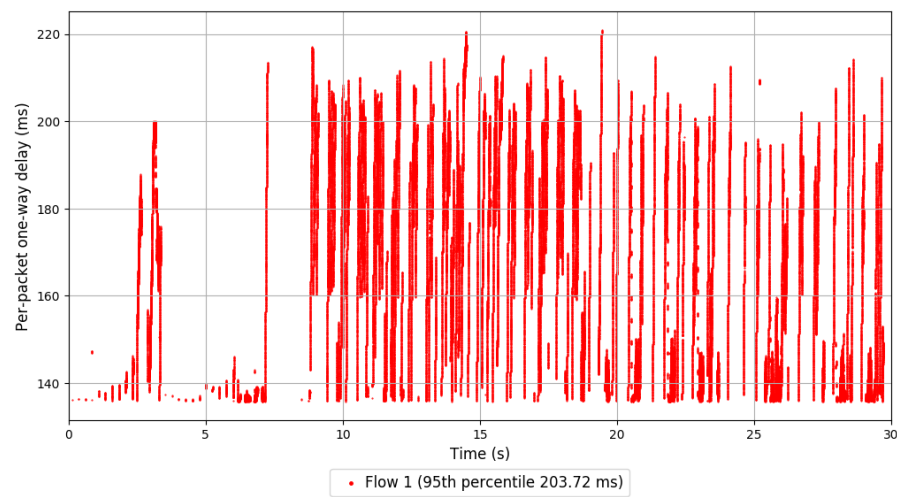
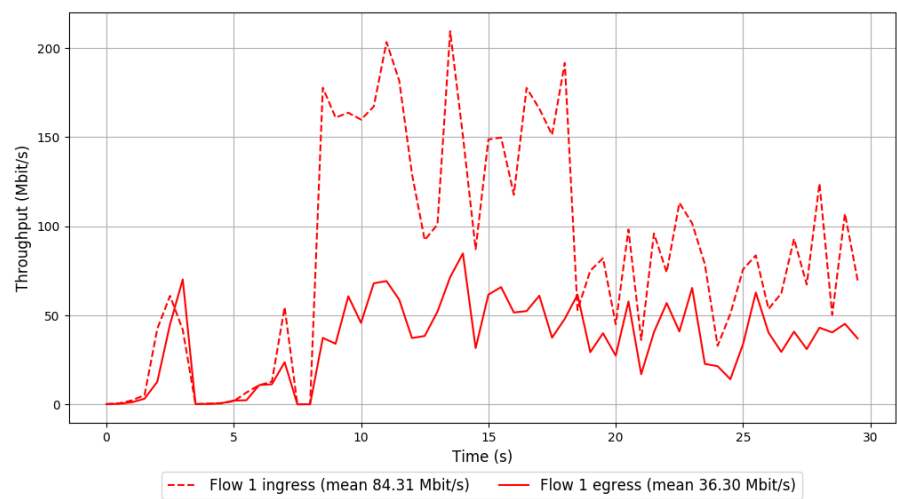
-- Flow 1:

Average throughput: 36.30 Mbit/s

95th percentile per-packet one-way delay: 203.724 ms

Loss rate: 57.48%

Run 8: Report of Verus — Data Link



Run 9: Statistics of Verus

Start at: Sun, 09 Jul 2017 08:31:45 +0000

End at: Sun, 09 Jul 2017 08:32:15 +0000

Local clock offset: 4.733 ms

Remote clock offset: -0.227 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:35 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.58 Mbit/s

95th percentile per-packet one-way delay: 361.926 ms

Loss rate: 21.77%

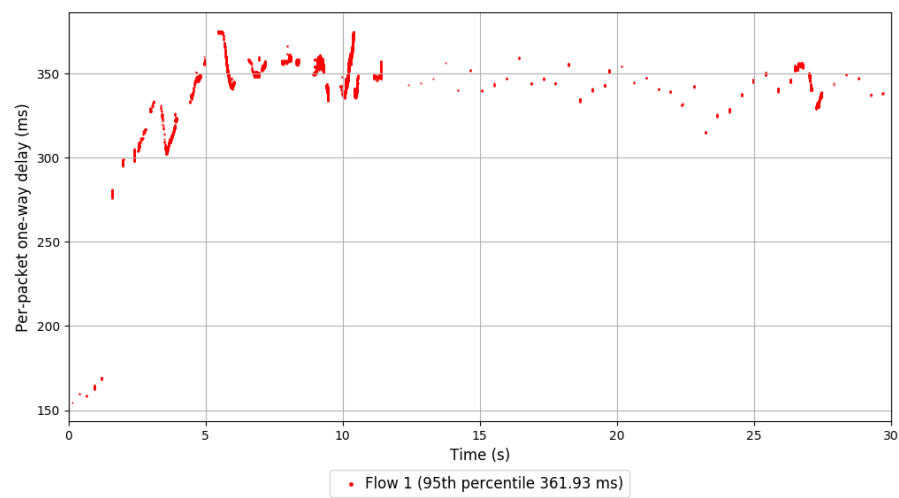
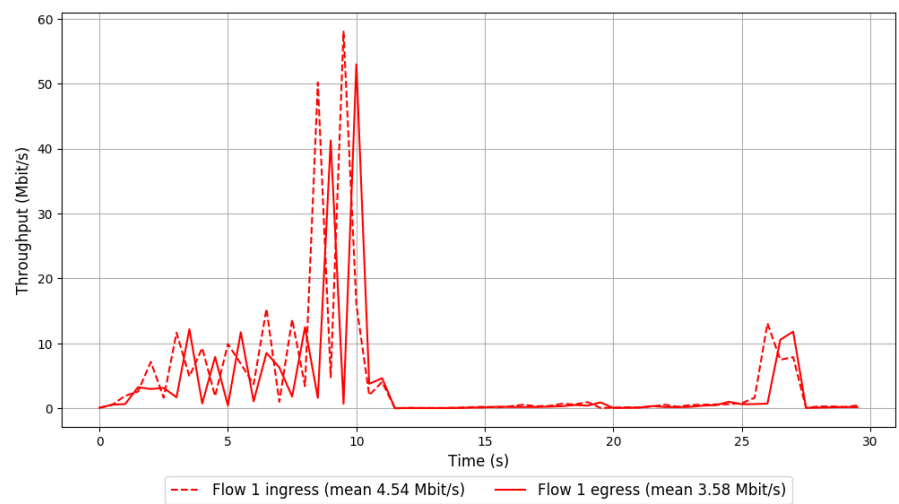
-- Flow 1:

Average throughput: 3.58 Mbit/s

95th percentile per-packet one-way delay: 361.926 ms

Loss rate: 21.77%

Run 9: Report of Verus — Data Link



Run 10: Statistics of Verus

Start at: Sun, 09 Jul 2017 08:51:51 +0000

End at: Sun, 09 Jul 2017 08:52:21 +0000

Local clock offset: 4.799 ms

Remote clock offset: -0.083 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:35 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 23.44 Mbit/s

95th percentile per-packet one-way delay: 203.988 ms

Loss rate: 25.45%

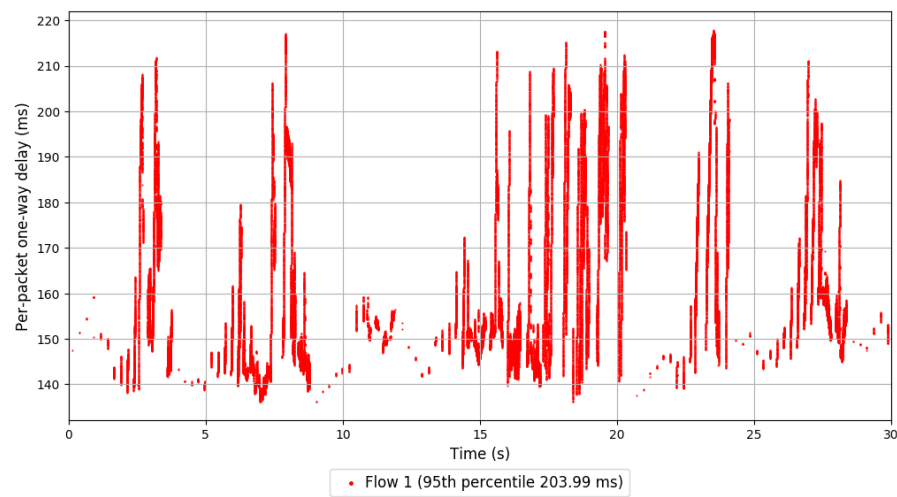
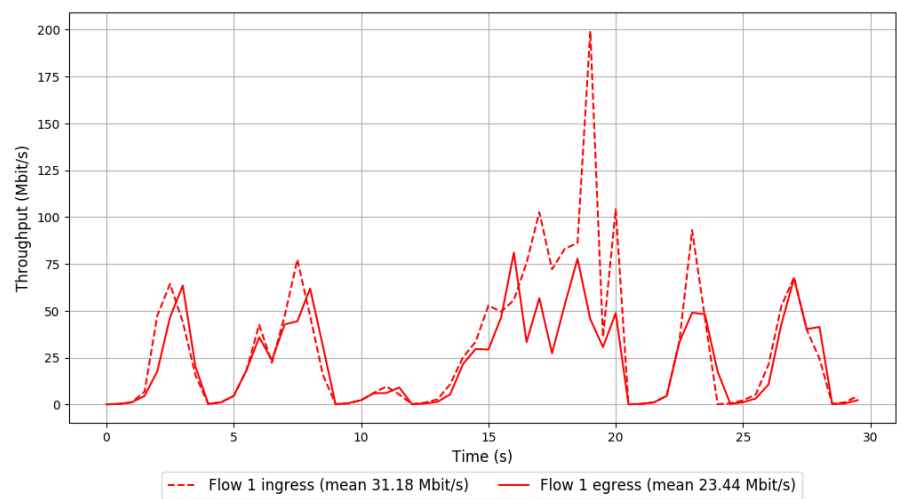
-- Flow 1:

Average throughput: 23.44 Mbit/s

95th percentile per-packet one-way delay: 203.988 ms

Loss rate: 25.45%

Run 10: Report of Verus — Data Link



Run 1: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 06:14:07 +0000

End at: Sun, 09 Jul 2017 06:14:37 +0000

Local clock offset: 4.452 ms

Remote clock offset: -0.236 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:35 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 142.764 ms

Loss rate: 0.63%

-- Flow 1:

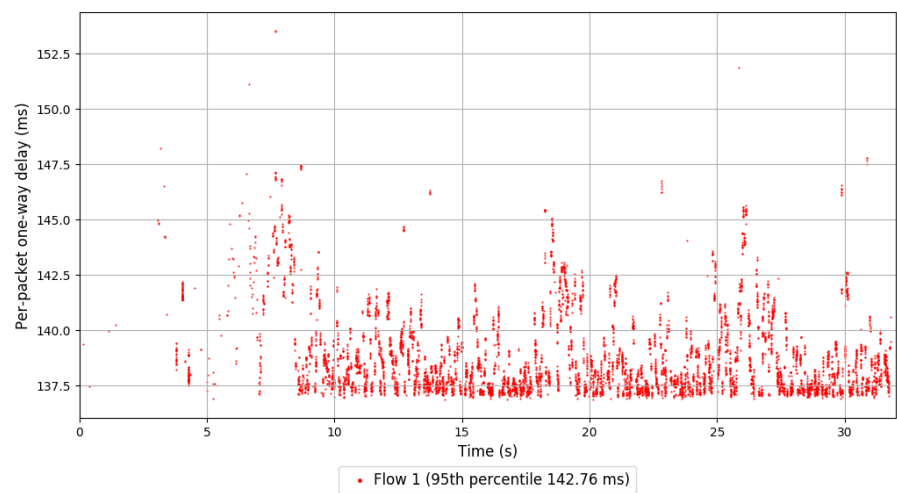
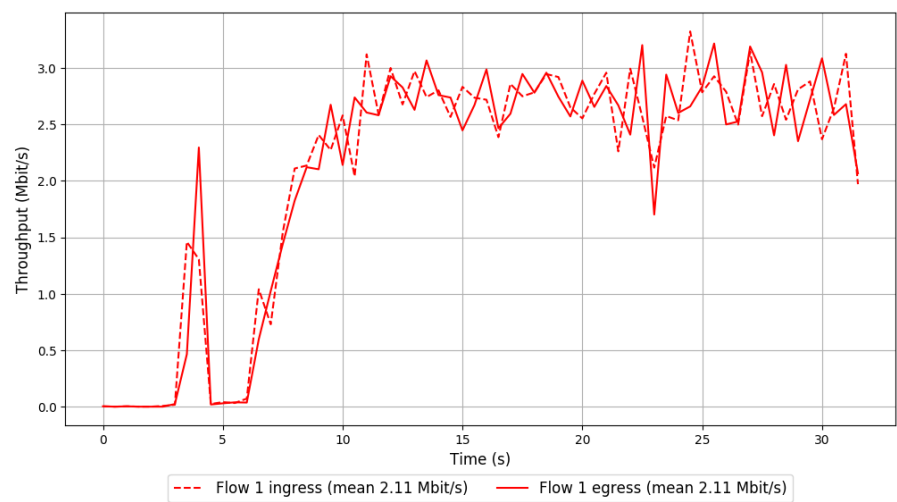
Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 142.764 ms

Loss rate: 0.63%



Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 06:32:29 +0000

End at: Sun, 09 Jul 2017 06:32:59 +0000

Local clock offset: 4.875 ms

Remote clock offset: -0.236 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:37 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 149.870 ms

Loss rate: 0.56%

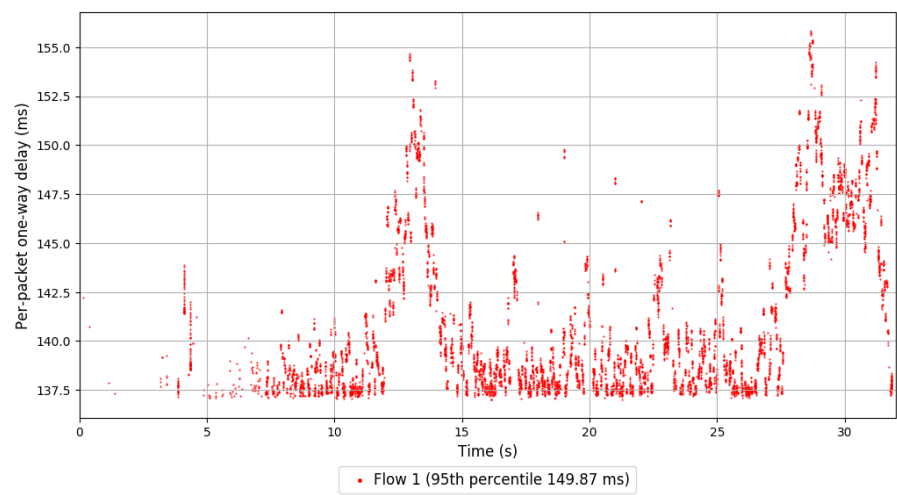
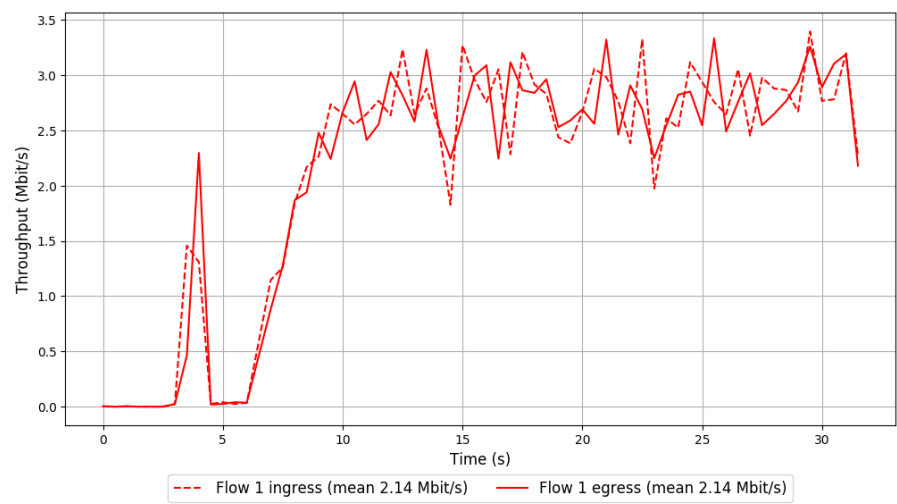
-- Flow 1:

Average throughput: 2.14 Mbit/s

95th percentile per-packet one-way delay: 149.870 ms

Loss rate: 0.56%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 06:51:26 +0000

End at: Sun, 09 Jul 2017 06:51:56 +0000

Local clock offset: 4.689 ms

Remote clock offset: -0.266 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:37 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 177.552 ms

Loss rate: 0.64%

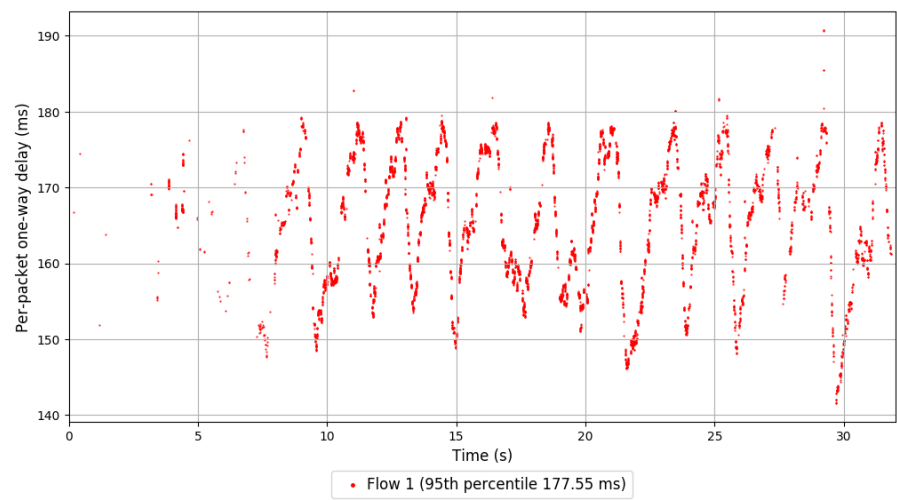
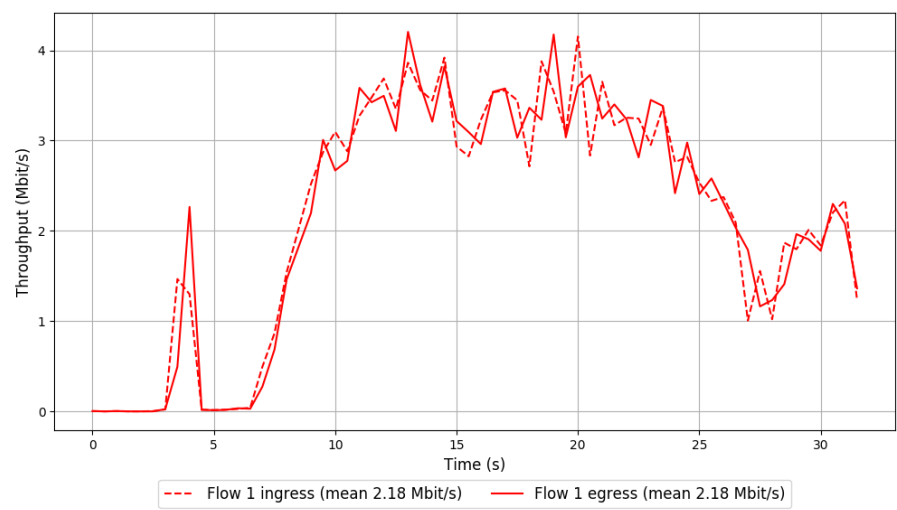
-- Flow 1:

Average throughput: 2.18 Mbit/s

95th percentile per-packet one-way delay: 177.552 ms

Loss rate: 0.64%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 07:10:46 +0000

End at: Sun, 09 Jul 2017 07:11:16 +0000

Local clock offset: 5.559 ms

Remote clock offset: -0.405 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:38 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 170.639 ms

Loss rate: 1.11%

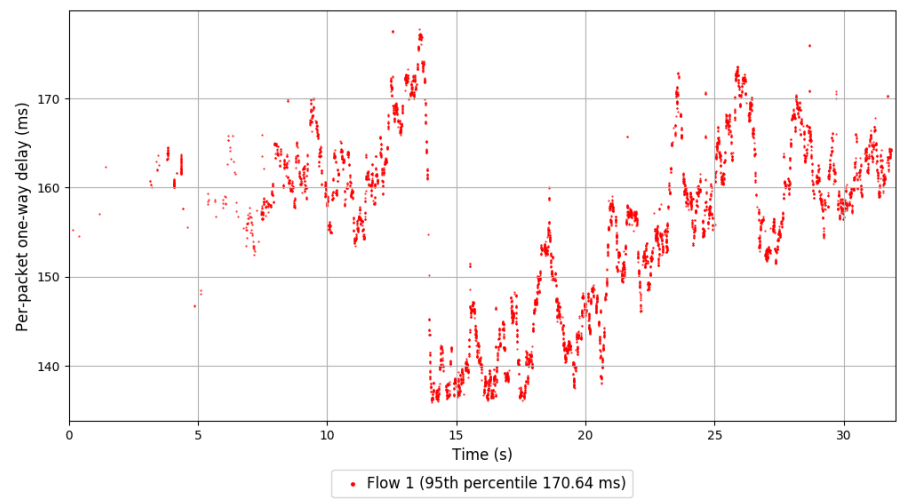
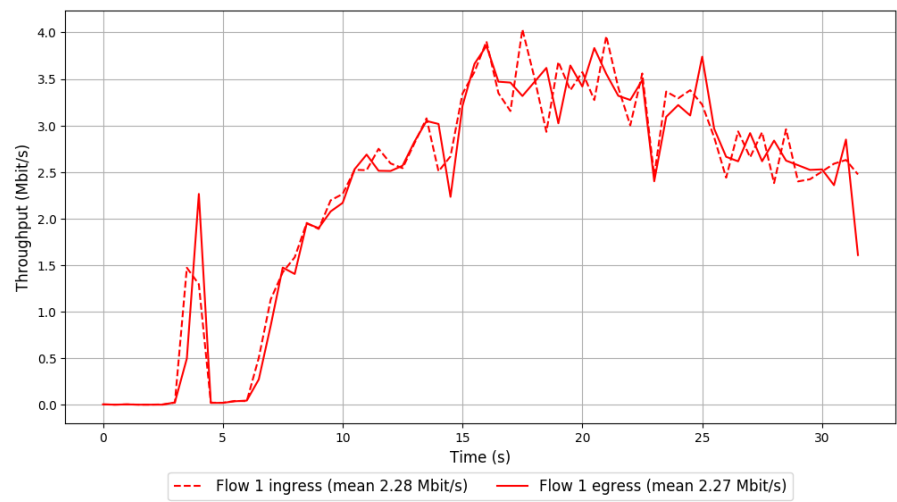
-- Flow 1:

Average throughput: 2.27 Mbit/s

95th percentile per-packet one-way delay: 170.639 ms

Loss rate: 1.11%

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 07:29:06 +0000

End at: Sun, 09 Jul 2017 07:29:36 +0000

Local clock offset: 5.385 ms

Remote clock offset: -0.519 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:38 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 146.093 ms

Loss rate: 0.52%

-- Flow 1:

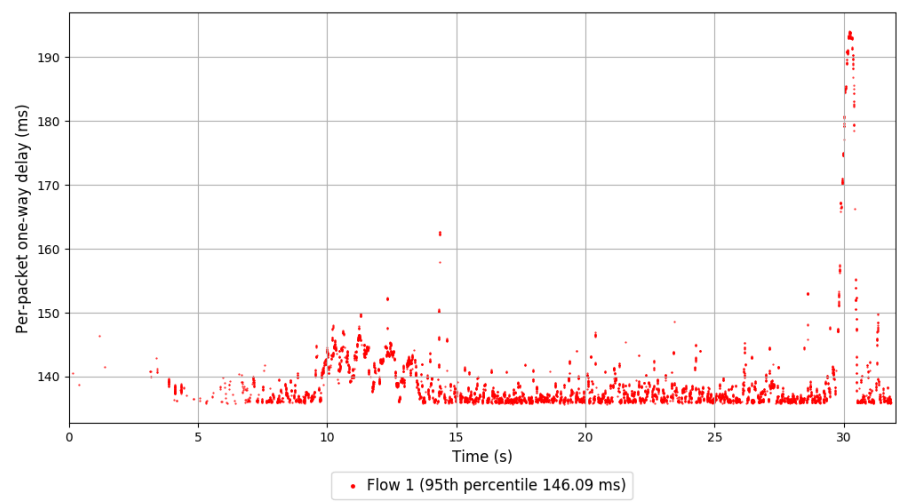
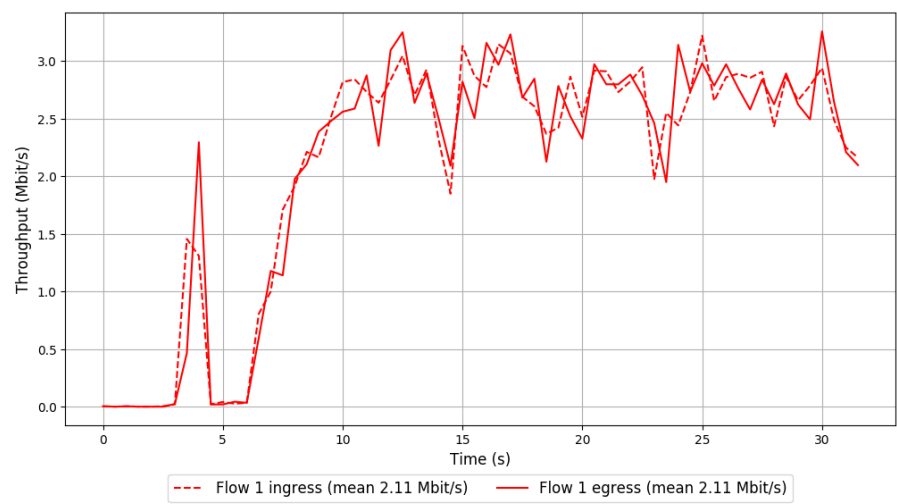
Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 146.093 ms

Loss rate: 0.52%



Run 5: Report of WebRTC media — Data Link



Run 6: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 07:47:42 +0000

End at: Sun, 09 Jul 2017 07:48:12 +0000

Local clock offset: 4.157 ms

Remote clock offset: -0.445 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:39 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 167.301 ms

Loss rate: 1.12%

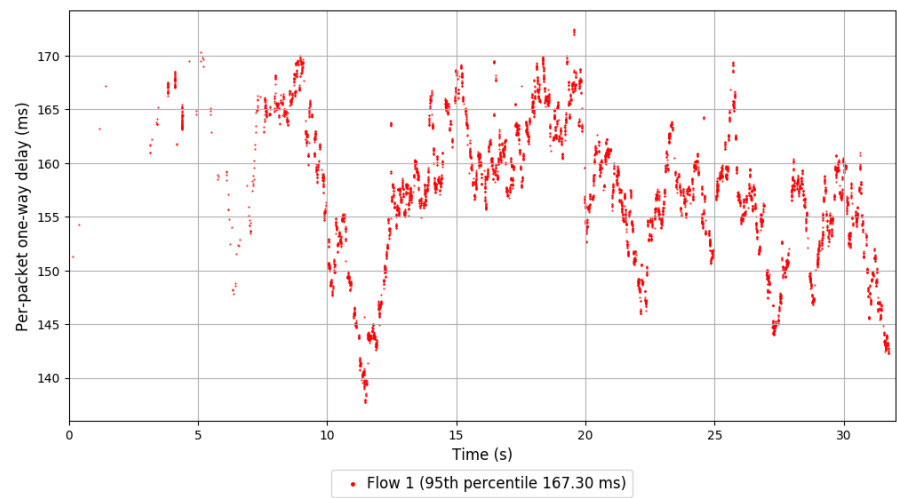
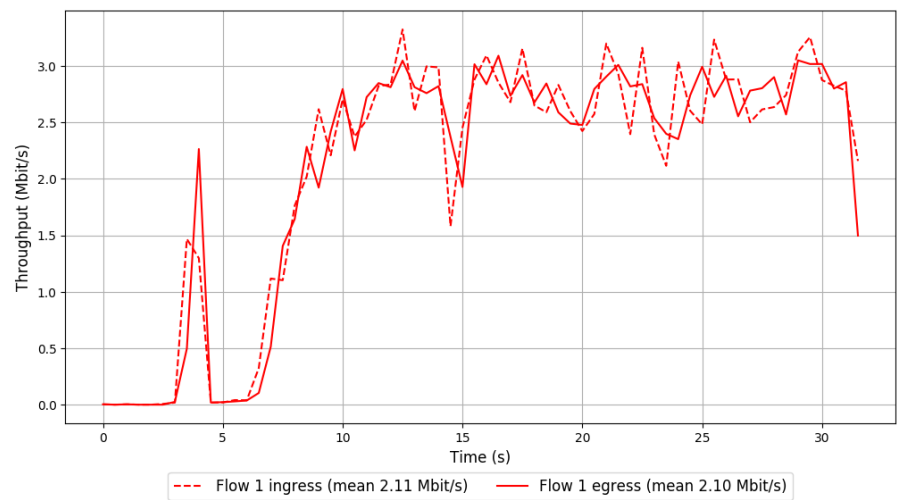
-- Flow 1:

Average throughput: 2.10 Mbit/s

95th percentile per-packet one-way delay: 167.301 ms

Loss rate: 1.12%

Run 6: Report of WebRTC media — Data Link



Run 7: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 08:05:55 +0000

End at: Sun, 09 Jul 2017 08:06:25 +0000

Local clock offset: 5.669 ms

Remote clock offset: -0.422 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:40 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 143.291 ms

Loss rate: 1.28%

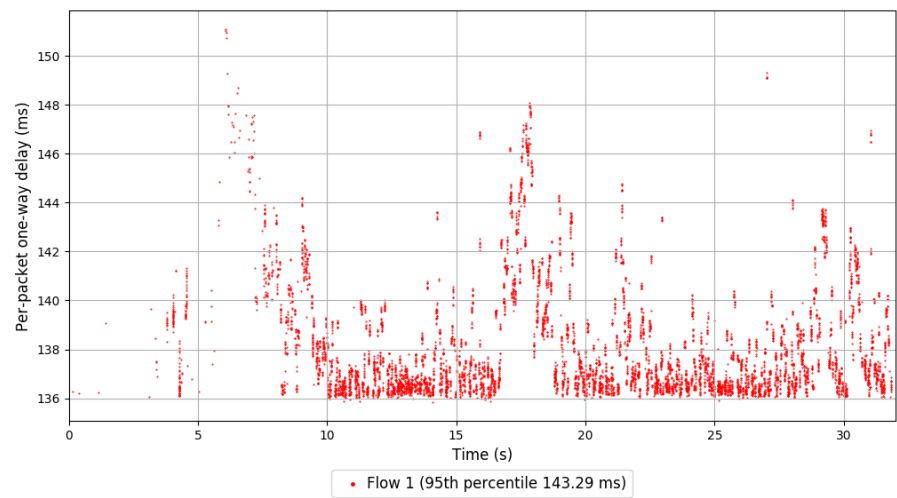
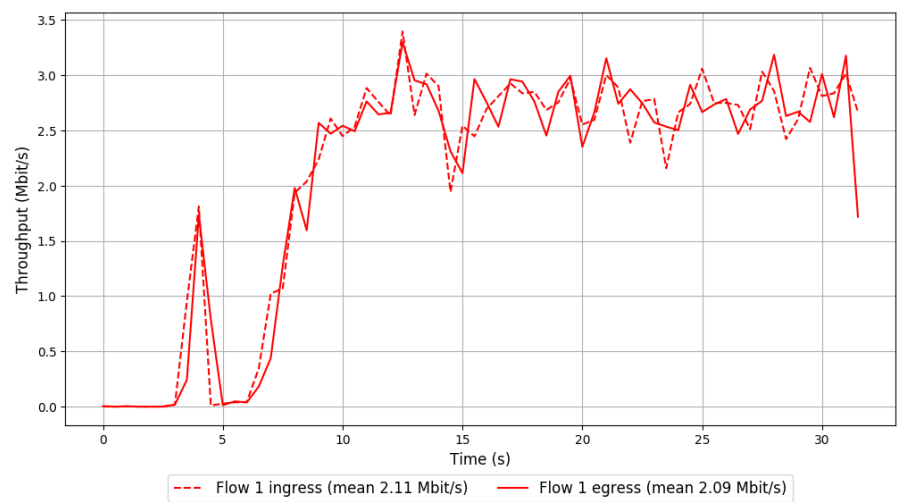
-- Flow 1:

Average throughput: 2.09 Mbit/s

95th percentile per-packet one-way delay: 143.291 ms

Loss rate: 1.28%

Run 7: Report of WebRTC media — Data Link



Run 8: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 08:24:20 +0000

End at: Sun, 09 Jul 2017 08:24:50 +0000

Local clock offset: 4.507 ms

Remote clock offset: -0.317 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:40 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 172.595 ms

Loss rate: 0.62%

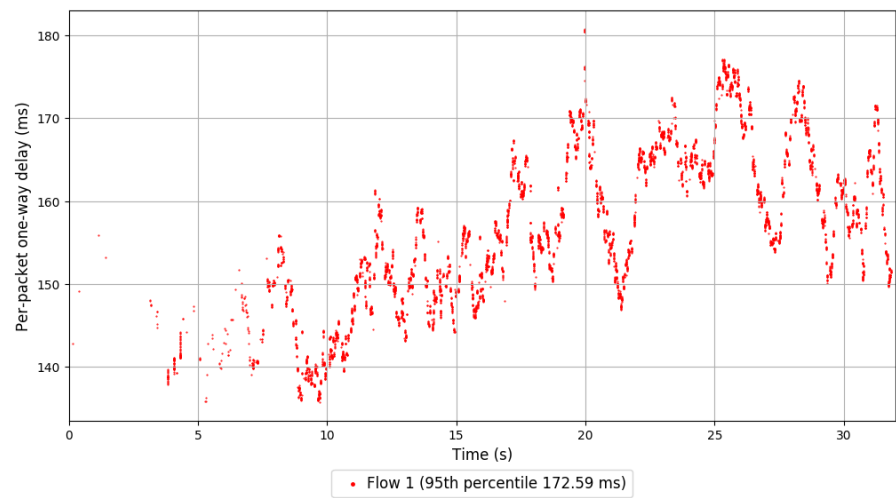
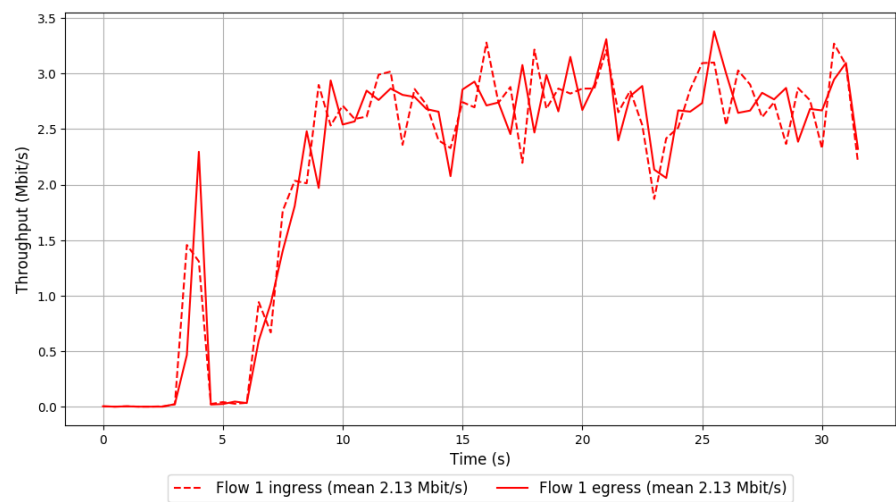
-- Flow 1:

Average throughput: 2.13 Mbit/s

95th percentile per-packet one-way delay: 172.595 ms

Loss rate: 0.62%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 08:43:54 +0000

End at: Sun, 09 Jul 2017 08:44:24 +0000

Local clock offset: 4.779 ms

Remote clock offset: -0.174 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:42 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.51 Mbit/s

95th percentile per-packet one-way delay: 177.011 ms

Loss rate: 1.30%

-- Flow 1:

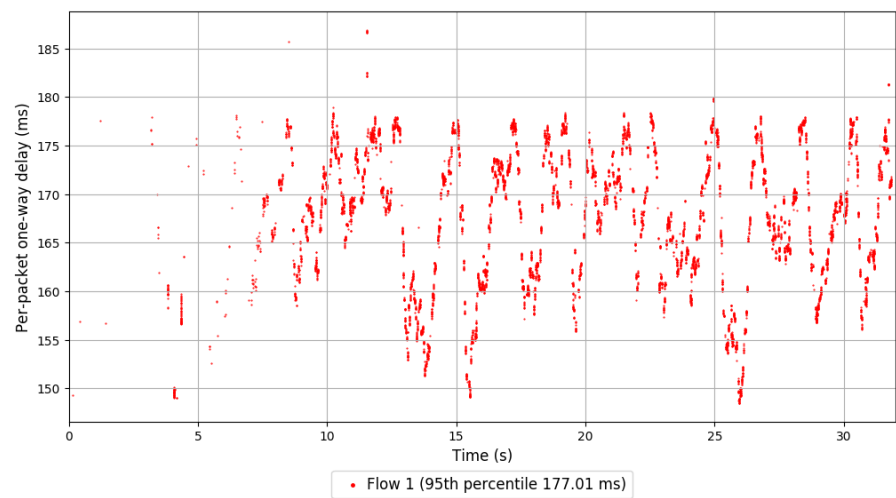
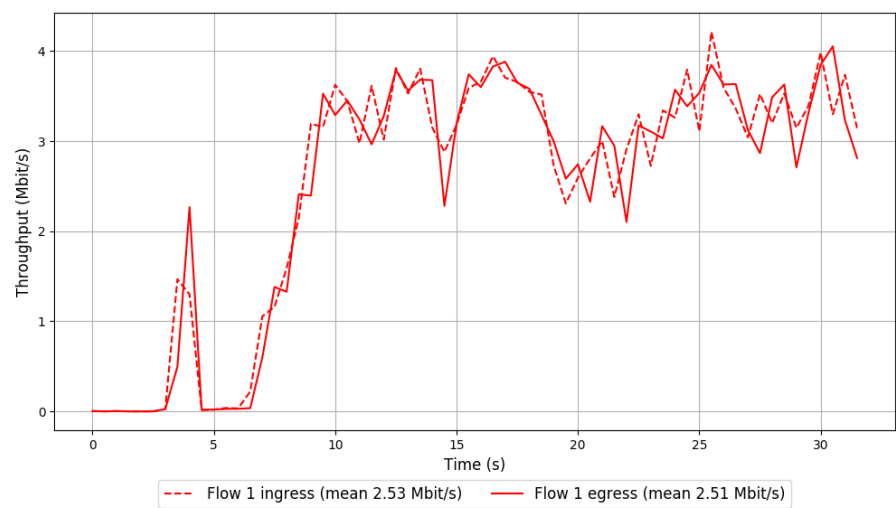
Average throughput: 2.51 Mbit/s

95th percentile per-packet one-way delay: 177.011 ms

Loss rate: 1.30%



Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

Start at: Sun, 09 Jul 2017 09:02:52 +0000

End at: Sun, 09 Jul 2017 09:03:22 +0000

Local clock offset: 4.846 ms

Remote clock offset: -0.008 ms

# Below is generated by plot.py at Sun, 09 Jul 2017 09:23:42 +0000

# Datalink statistics

-- Total of 1 flow:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 138.806 ms

Loss rate: 0.69%

-- Flow 1:

Average throughput: 2.11 Mbit/s

95th percentile per-packet one-way delay: 138.806 ms

Loss rate: 0.69%

## Run 10: Report of WebRTC media — Data Link

