

## Pantheon Report

Generated at 2018-04-17 08:49:59 (UTC).

Data path: AWS India 1 Ethernet (*local*) → India Ethernet (*remote*).

Repeated the test of 16 congestion control schemes 10 times.

Each test lasted for 30 seconds running 1 flow.

Increased UDP receive buffer to 16 MB (default) and 32 MB (max).

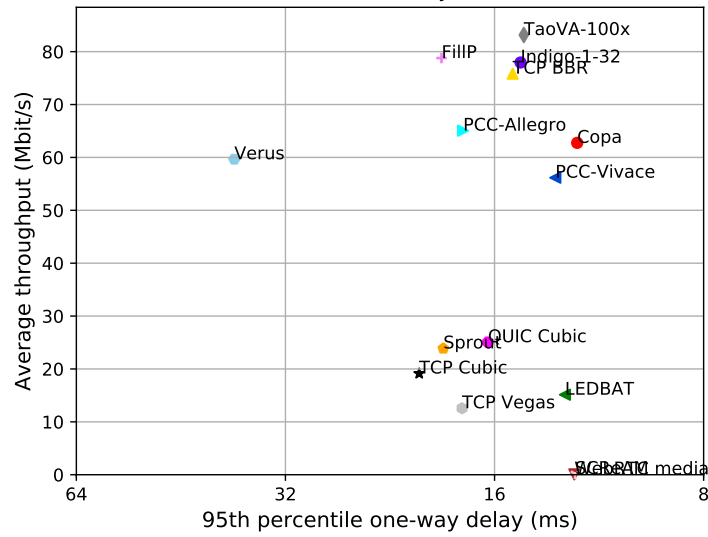
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

NTP offsets were measured against **nets.org.sg** and have been applied to correct the timestamps in logs.

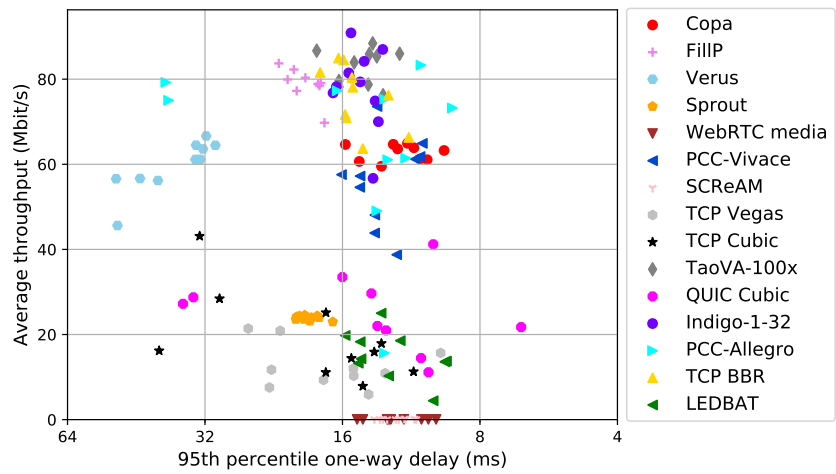
Git summary:

```
branch: master @ b3d6e7098641364fd3a292656a51aa81e316d0b4
third_party/calibrated_koho @ 3cb73c0d1c0322cdfae446ea37a522e53227db50
  M datagrump/sender.cc
third_party/fillp @ 11f8c46a2bf1dc797253db7e8ca04076272b2a44
third_party/genericCC @ d223989828276fa83a807da6e0341dc0c7b89aec
third_party/indigo @ a9b2060d39e4da2e8987e893e3eca2a6c7cd0ab9
third_party/indigo-1-layer-128-unit @ 3ae9e4ef4230db7484501f82ce8b377695f2f66d
third_party/indigo-1-layer-32-unit @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/indigo-1-layer-32-unit-no-calib @ 1f3a7f75b41135ed5b540c0fd3505939528e2a5f
third_party/indigo-no-calib @ 7224f2202e8a044d8306fa0b983ad84360c53d89
third_party/koho_cc @ f0f2e693303aee82ea808e6928eac4f1083a6681
  M datagrump/sender.cc
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ fb1053193c2861da659ba9013db26744ccfcf993
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/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream @ c3370fd7bd17265a79aeb34e4016ad23f5965885
third_party/sourdough @ f1a14bffe749737437f61b1eae30b267cde681
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/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581
```

test from AWS India 1 Ethernet to India Ethernet, 10 runs of 30s each per scheme  
(mean of all runs by scheme)



test from AWS India 1 Ethernet to India 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	75.84	15.07	8.35
TCP Cubic	10	19.14	20.54	0.51
LEDBAT	10	15.13	12.67	1.08
PCC-Allegro	10	65.06	17.76	7.85
QUIC Cubic	10	25.06	16.36	1.19
SCReAM	10	0.15	12.25	0.90
WebRTC media	10	0.06	12.28	0.50
Sprout	10	23.88	18.96	1.68
TaoVA-100x	10	83.15	14.52	8.59
TCP Vegas	10	12.57	17.82	1.21
Verus	10	59.66	37.92	17.48
Copa	10	62.76	12.17	5.31
FillP	10	78.79	19.07	9.55
Indigo-1-32	10	77.95	14.68	8.55
PCC-Vivace	10	56.16	13.08	5.48
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-17 05:03:25

End at: 2018-04-17 05:03:55

Local clock offset: -5.932 ms

Remote clock offset: -8.07 ms

# Below is generated by plot.py at 2018-04-17 08:35:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 66.32 Mbit/s

95th percentile per-packet one-way delay: 11.456 ms

Loss rate: 10.49%

-- Flow 1:

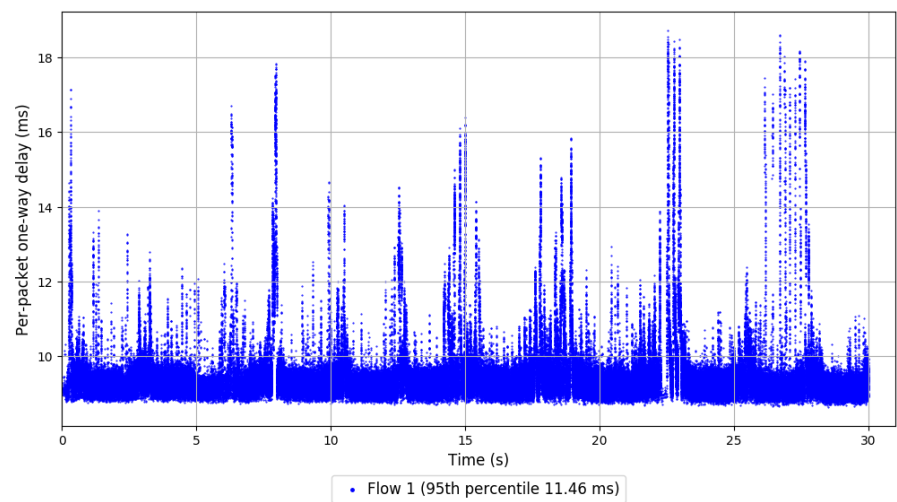
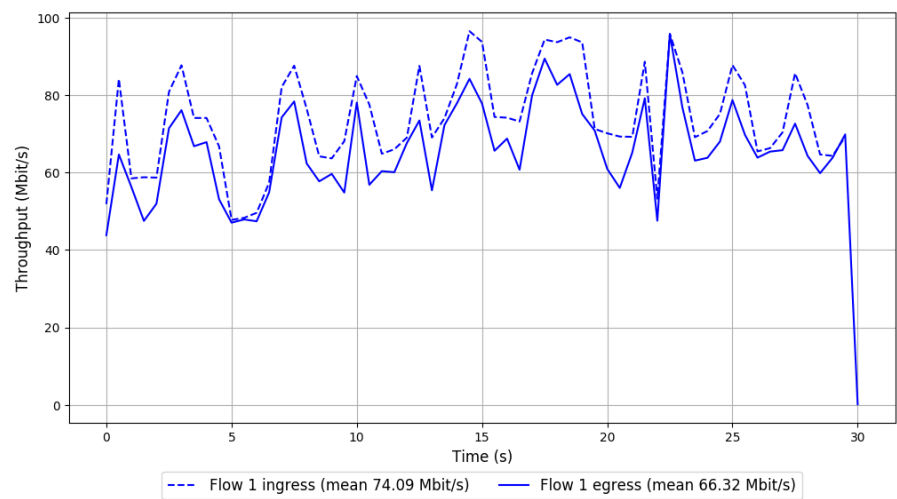
Average throughput: 66.32 Mbit/s

95th percentile per-packet one-way delay: 11.456 ms

Loss rate: 10.49%



Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2018-04-17 05:23:08

End at: 2018-04-17 05:23:38

Local clock offset: -8.149 ms

Remote clock offset: -9.248 ms

# Below is generated by plot.py at 2018-04-17 08:35:01

# Datalink statistics

-- Total of 1 flow:

Average throughput: 63.68 Mbit/s

95th percentile per-packet one-way delay: 14.443 ms

Loss rate: 10.15%

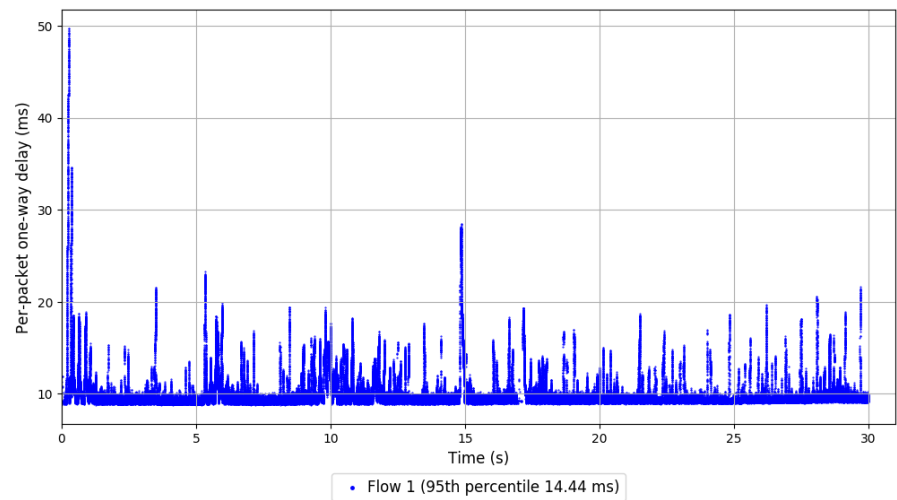
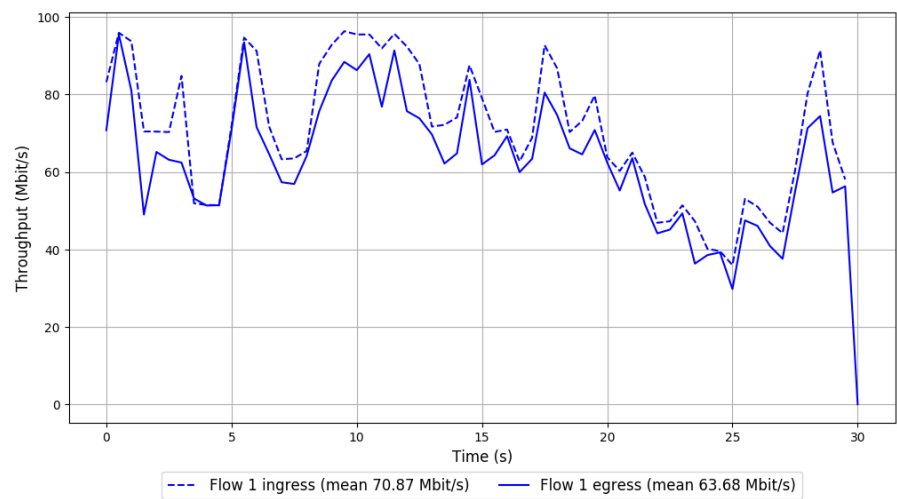
-- Flow 1:

Average throughput: 63.68 Mbit/s

95th percentile per-packet one-way delay: 14.443 ms

Loss rate: 10.15%

Run 2: Report of TCP BBR — Data Link

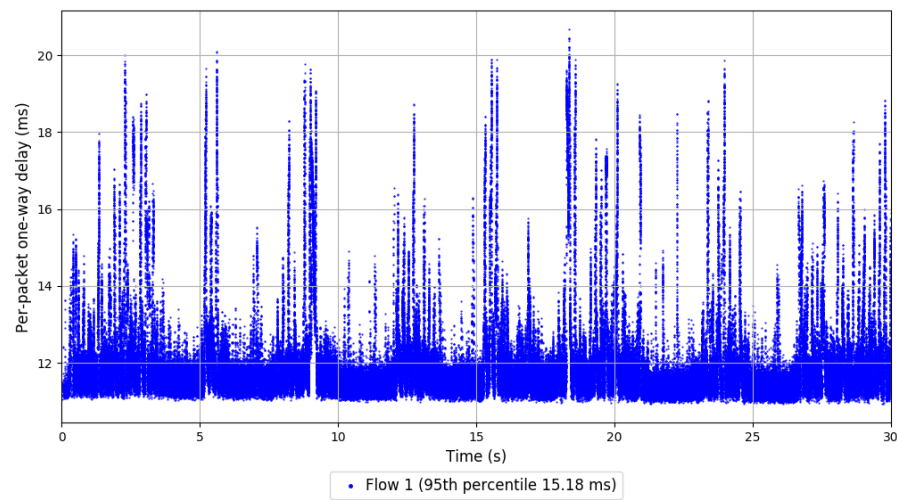
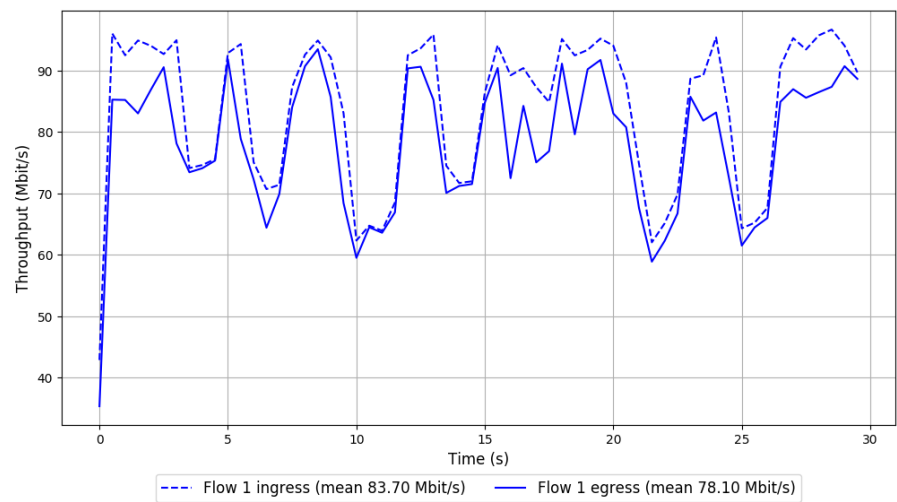


Run 3: Statistics of TCP BBR

Start at: 2018-04-17 05:43:06  
End at: 2018-04-17 05:43:36  
Local clock offset: -4.409 ms  
Remote clock offset: -9.112 ms

# Below is generated by plot.py at 2018-04-17 08:35:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.10 Mbit/s  
95th percentile per-packet one-way delay: 15.184 ms  
Loss rate: 6.68%  
-- Flow 1:  
Average throughput: 78.10 Mbit/s  
95th percentile per-packet one-way delay: 15.184 ms  
Loss rate: 6.68%

Run 3: Report of TCP BBR — Data Link



Run 4: Statistics of TCP BBR

Start at: 2018-04-17 06:02:52

End at: 2018-04-17 06:03:22

Local clock offset: -1.697 ms

Remote clock offset: -5.301 ms

# Below is generated by plot.py at 2018-04-17 08:35:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.24 Mbit/s

95th percentile per-packet one-way delay: 12.692 ms

Loss rate: 10.06%

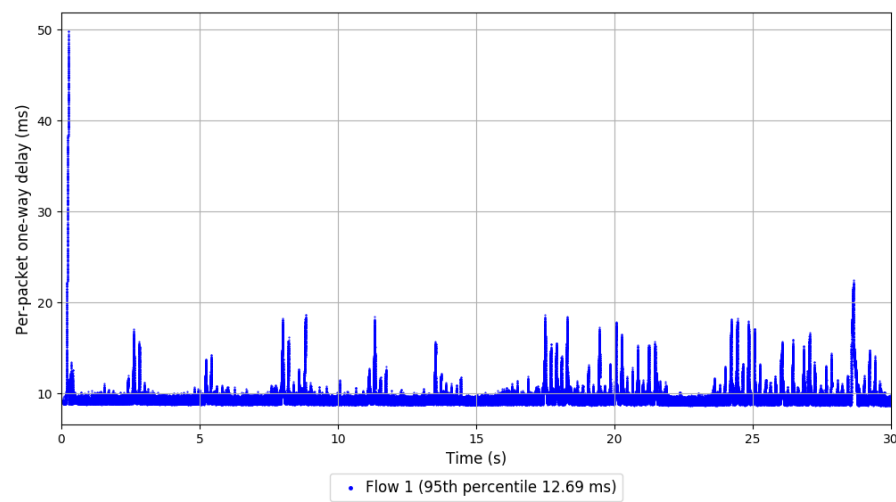
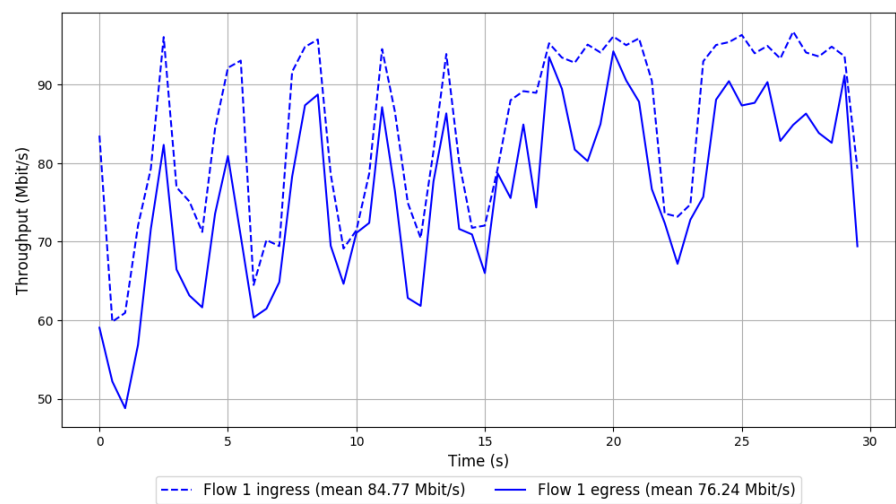
-- Flow 1:

Average throughput: 76.24 Mbit/s

95th percentile per-packet one-way delay: 12.692 ms

Loss rate: 10.06%

Run 4: Report of TCP BBR — Data Link



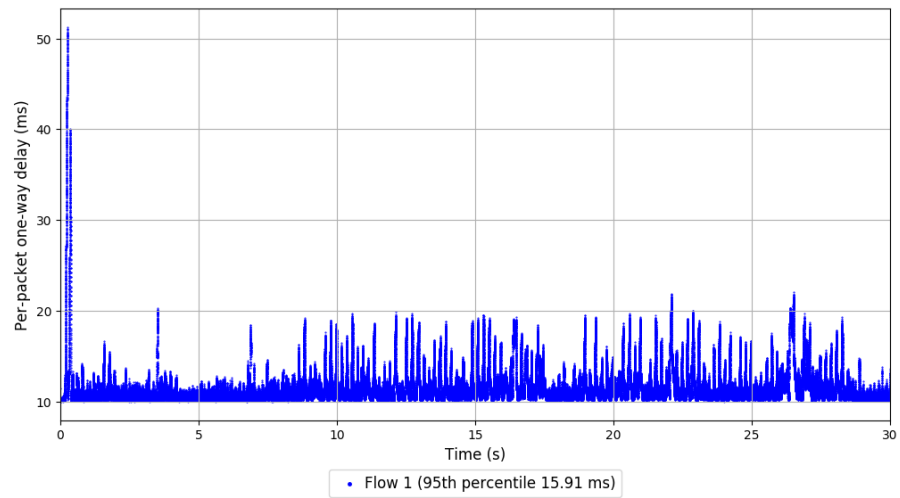
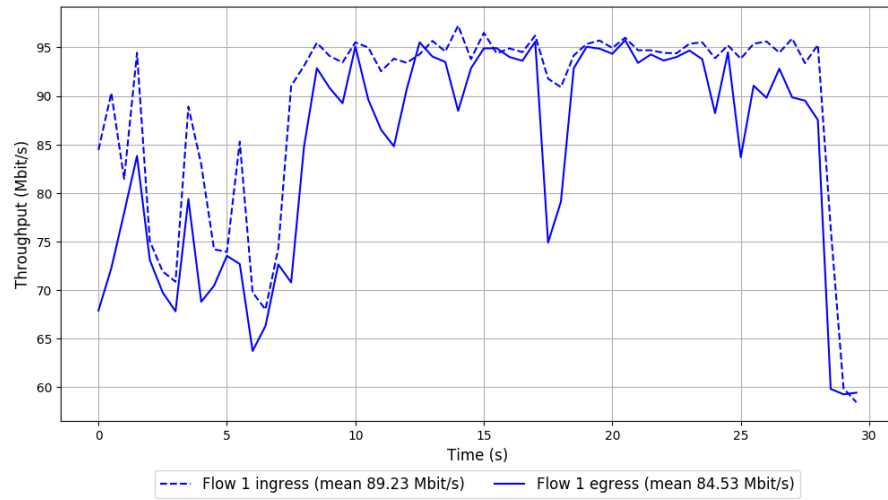
Run 5: Statistics of TCP BBR

Start at: 2018-04-17 06:22:48  
End at: 2018-04-17 06:23:18  
Local clock offset: -4.372 ms  
Remote clock offset: -4.683 ms

# Below is generated by plot.py at 2018-04-17 08:35:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.53 Mbit/s  
95th percentile per-packet one-way delay: 15.907 ms  
Loss rate: 5.27%  
-- Flow 1:  
Average throughput: 84.53 Mbit/s  
95th percentile per-packet one-way delay: 15.907 ms  
Loss rate: 5.27%



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

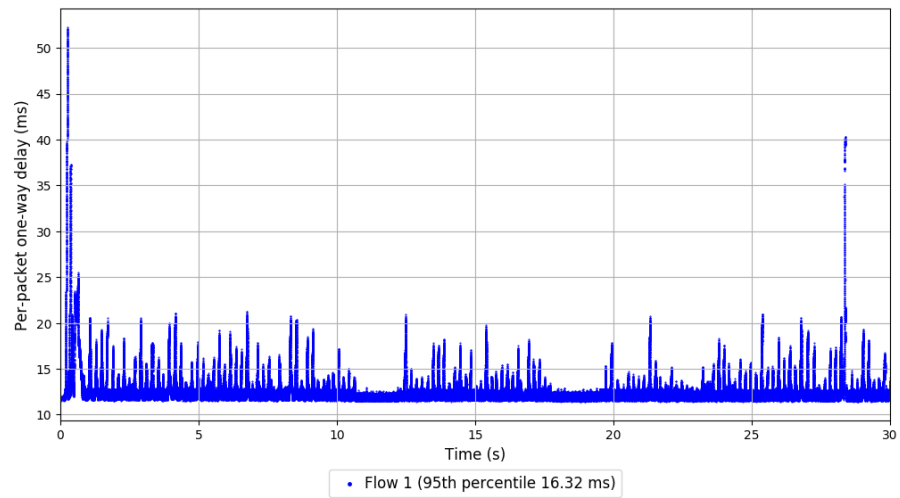
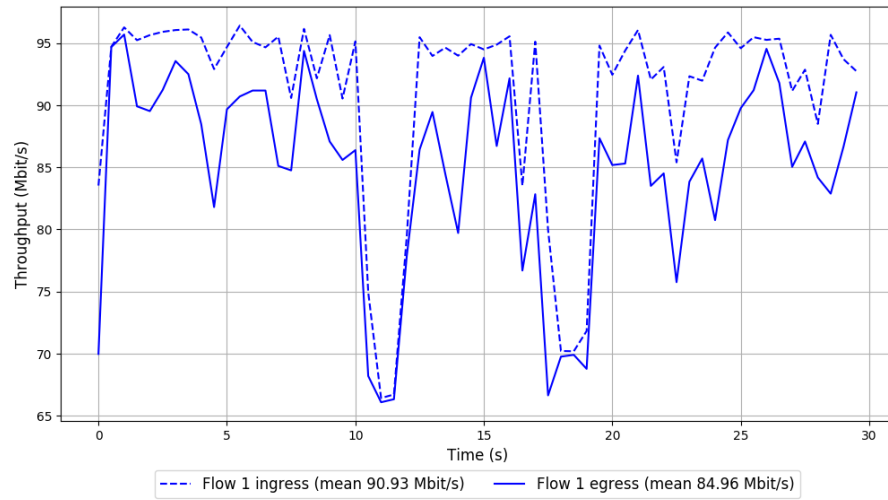


Run 6: Statistics of TCP BBR

Start at: 2018-04-17 06:42:40  
End at: 2018-04-17 06:43:10  
Local clock offset: -9.082 ms  
Remote clock offset: -5.603 ms

# Below is generated by plot.py at 2018-04-17 08:35:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.96 Mbit/s  
95th percentile per-packet one-way delay: 16.321 ms  
Loss rate: 6.55%  
-- Flow 1:  
Average throughput: 84.96 Mbit/s  
95th percentile per-packet one-way delay: 16.321 ms  
Loss rate: 6.55%

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

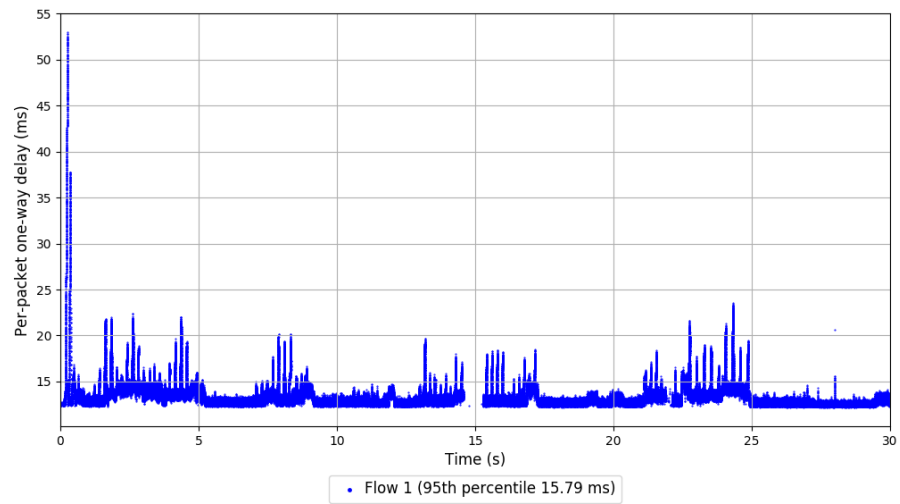
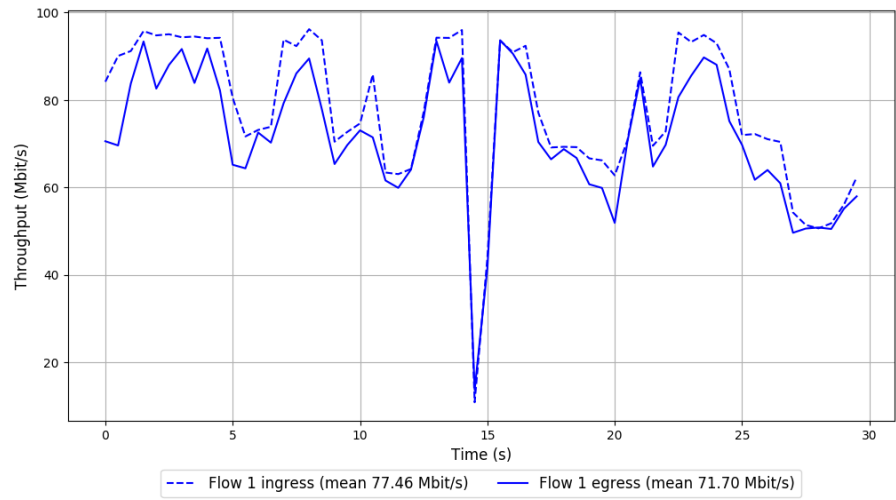


Run 7: Statistics of TCP BBR

Start at: 2018-04-17 07:02:24  
End at: 2018-04-17 07:02:54  
Local clock offset: -12.679 ms  
Remote clock offset: -3.632 ms

# Below is generated by plot.py at 2018-04-17 08:35:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 71.70 Mbit/s  
95th percentile per-packet one-way delay: 15.791 ms  
Loss rate: 7.44%  
-- Flow 1:  
Average throughput: 71.70 Mbit/s  
95th percentile per-packet one-way delay: 15.791 ms  
Loss rate: 7.44%

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



Run 8: Statistics of TCP BBR

Start at: 2018-04-17 07:22:28

End at: 2018-04-17 07:22:58

Local clock offset: -6.282 ms

Remote clock offset: -1.541 ms

# Below is generated by plot.py at 2018-04-17 08:35:16

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.90 Mbit/s

95th percentile per-packet one-way delay: 15.699 ms

Loss rate: 12.45%

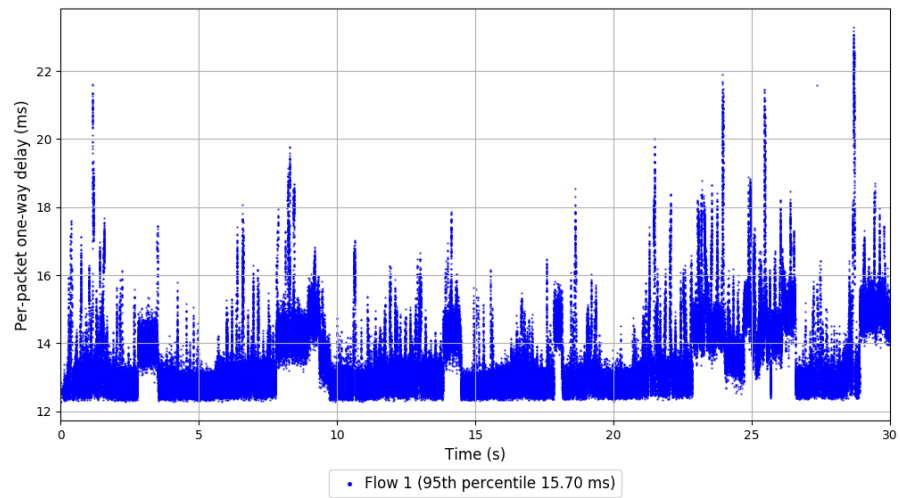
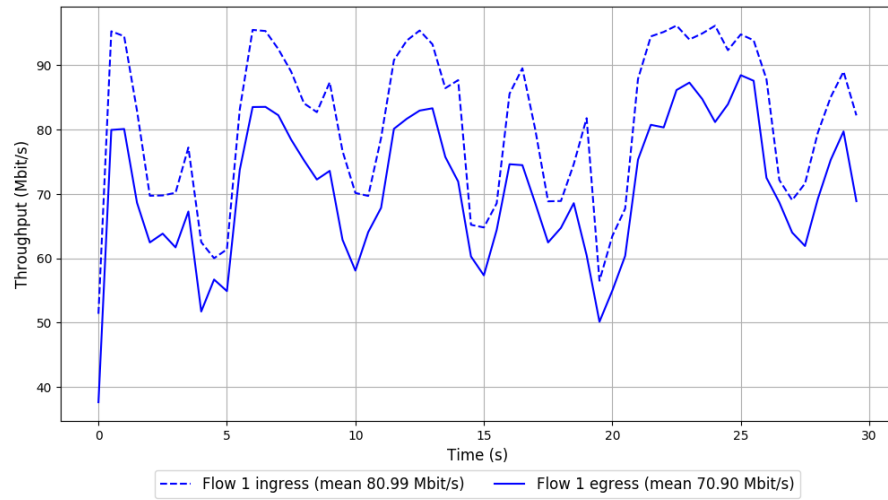
-- Flow 1:

Average throughput: 70.90 Mbit/s

95th percentile per-packet one-way delay: 15.699 ms

Loss rate: 12.45%

# Run 8: Report of TCP BBR — Data Link



Run 9: Statistics of TCP BBR

Start at: 2018-04-17 07:42:08

End at: 2018-04-17 07:42:38

Local clock offset: -4.633 ms

Remote clock offset: -7.67 ms

# Below is generated by plot.py at 2018-04-17 08:36:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 81.56 Mbit/s

95th percentile per-packet one-way delay: 17.911 ms

Loss rate: 6.61%

-- Flow 1:

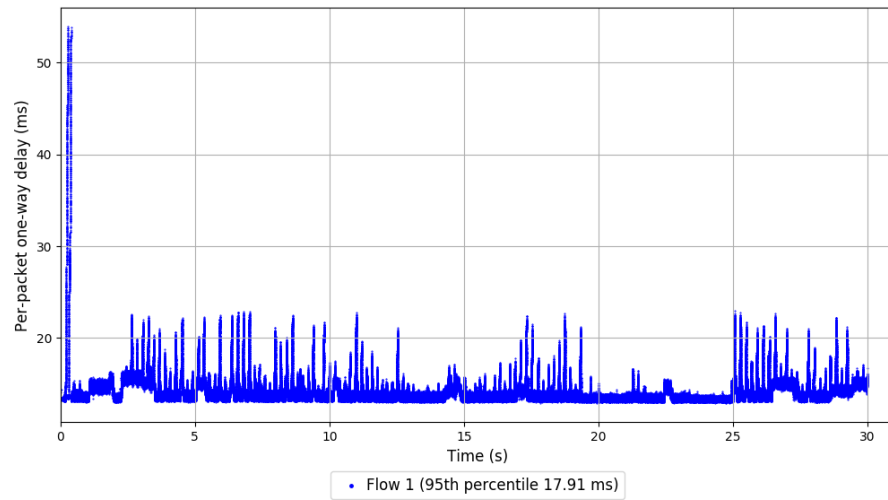
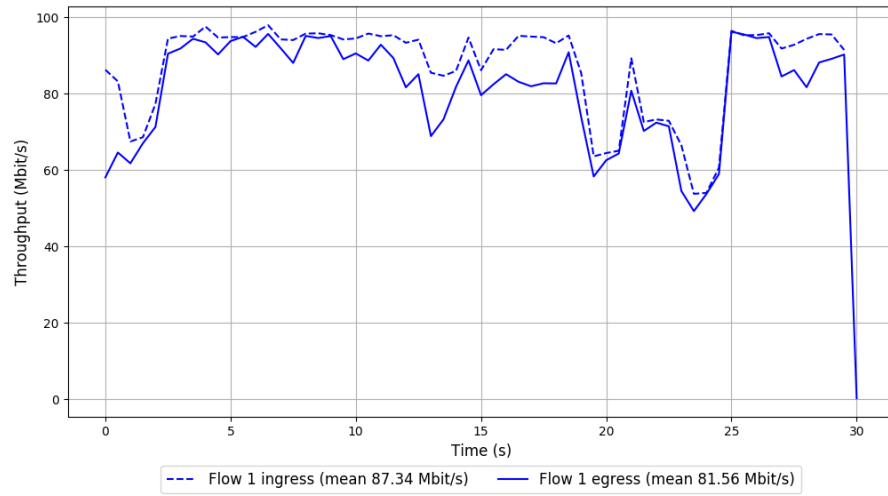
Average throughput: 81.56 Mbit/s

95th percentile per-packet one-way delay: 17.911 ms

Loss rate: 6.61%



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



Run 10: Statistics of TCP BBR

Start at: 2018-04-17 08:02:04

End at: 2018-04-17 08:02:34

Local clock offset: -4.763 ms

Remote clock offset: -9.22 ms

# Below is generated by plot.py at 2018-04-17 08:36:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.39 Mbit/s

95th percentile per-packet one-way delay: 15.255 ms

Loss rate: 7.77%

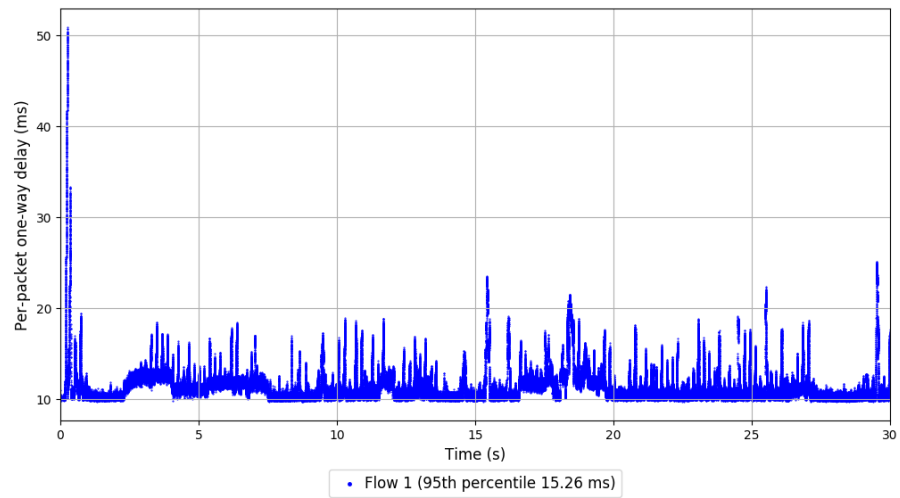
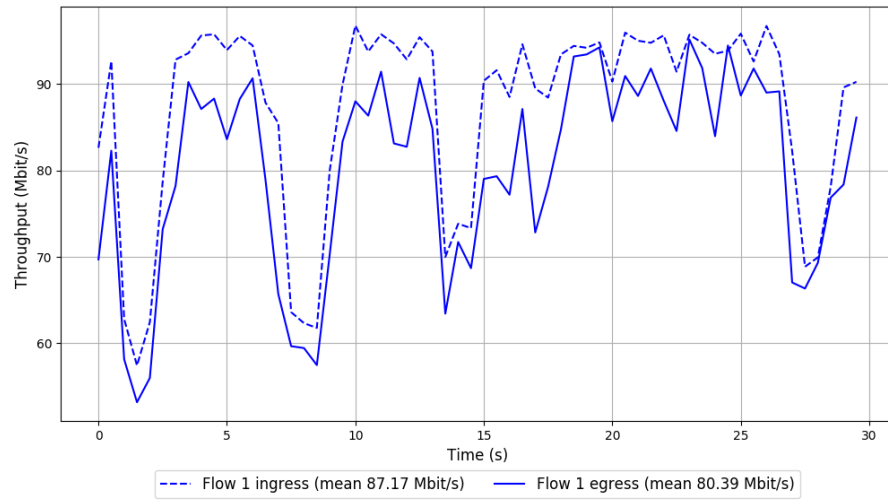
-- Flow 1:

Average throughput: 80.39 Mbit/s

95th percentile per-packet one-way delay: 15.255 ms

Loss rate: 7.77%

# Run 10: Report of TCP BBR — Data Link

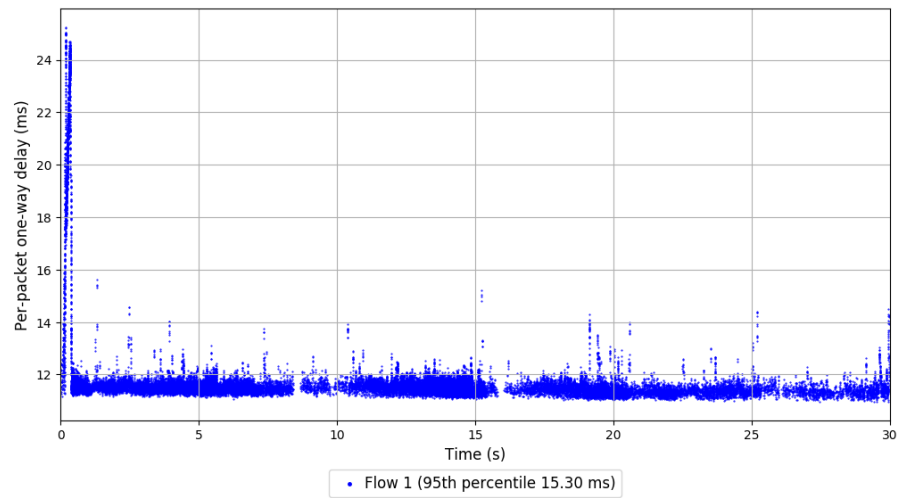
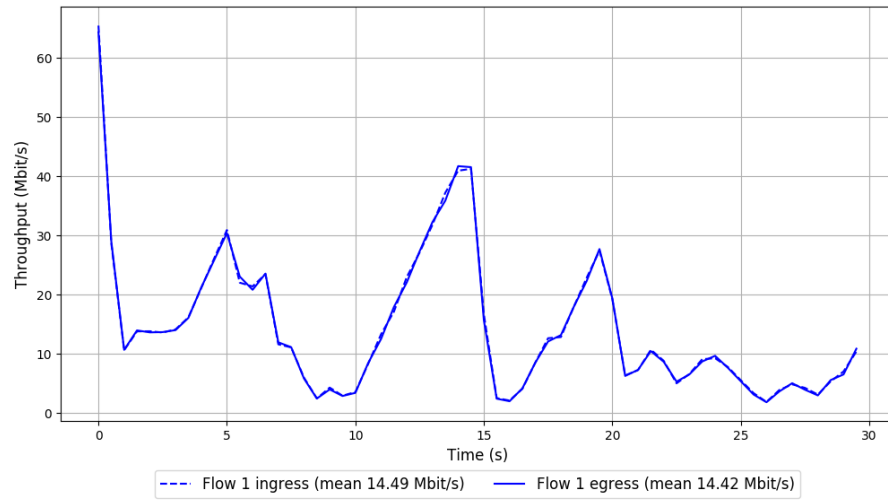


Run 1: Statistics of TCP Cubic

Start at: 2018-04-17 04:49:21  
End at: 2018-04-17 04:49:51  
Local clock offset: -4.188 ms  
Remote clock offset: -8.358 ms

# Below is generated by plot.py at 2018-04-17 08:36:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 14.42 Mbit/s  
95th percentile per-packet one-way delay: 15.299 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 14.42 Mbit/s  
95th percentile per-packet one-way delay: 15.299 ms  
Loss rate: 0.51%

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

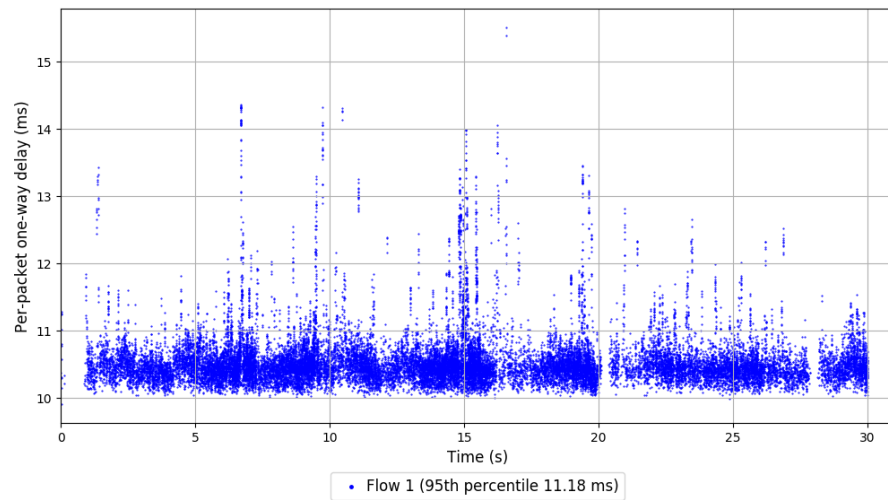
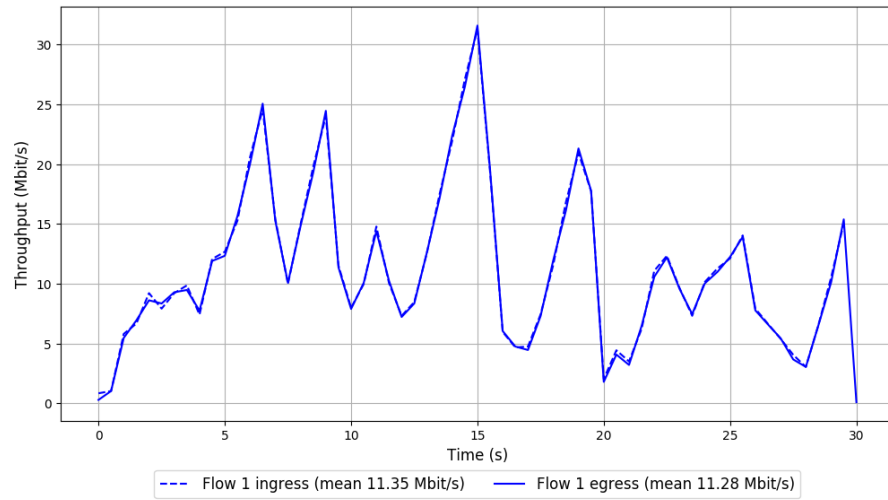


Run 2: Statistics of TCP Cubic

Start at: 2018-04-17 05:09:14  
End at: 2018-04-17 05:09:44  
Local clock offset: -6.931 ms  
Remote clock offset: -7.042 ms

# Below is generated by plot.py at 2018-04-17 08:36:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.28 Mbit/s  
95th percentile per-packet one-way delay: 11.180 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 11.28 Mbit/s  
95th percentile per-packet one-way delay: 11.180 ms  
Loss rate: 0.61%

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



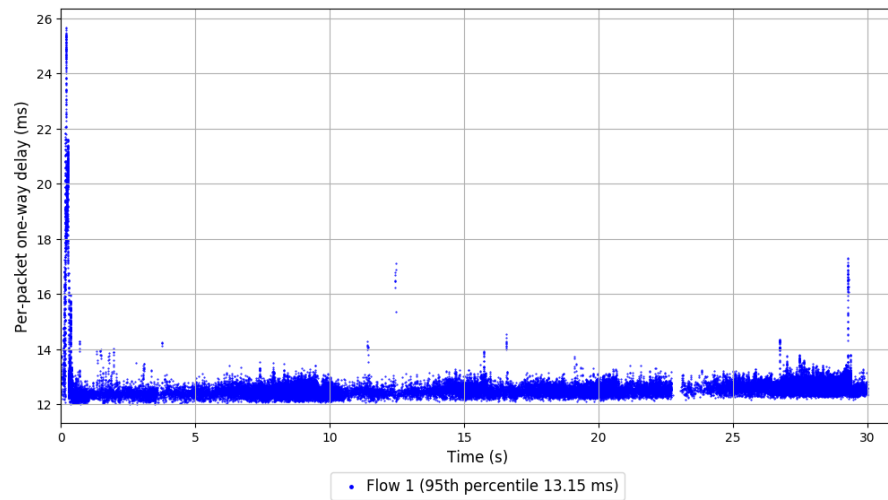
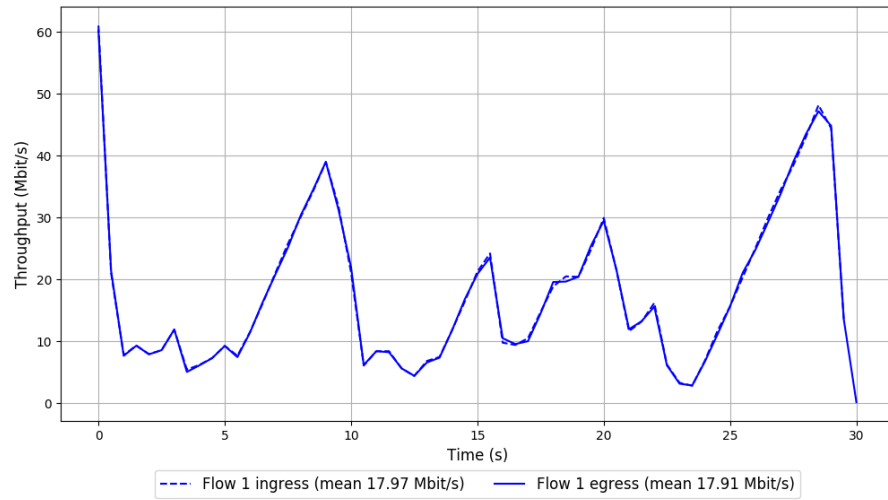
Run 3: Statistics of TCP Cubic

Start at: 2018-04-17 05:29:00  
End at: 2018-04-17 05:29:30  
Local clock offset: -6.312 ms  
Remote clock offset: -7.914 ms

# Below is generated by plot.py at 2018-04-17 08:36:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 17.91 Mbit/s  
95th percentile per-packet one-way delay: 13.147 ms  
Loss rate: 0.35%  
-- Flow 1:  
Average throughput: 17.91 Mbit/s  
95th percentile per-packet one-way delay: 13.147 ms  
Loss rate: 0.35%



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

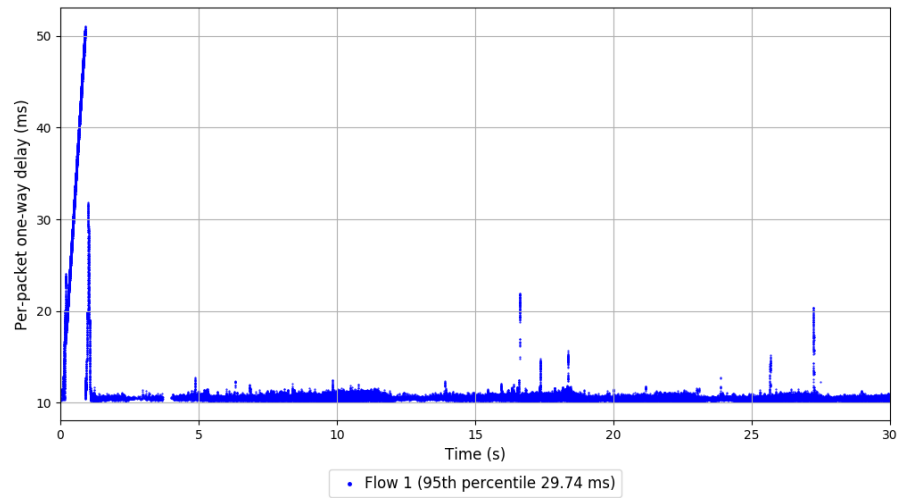
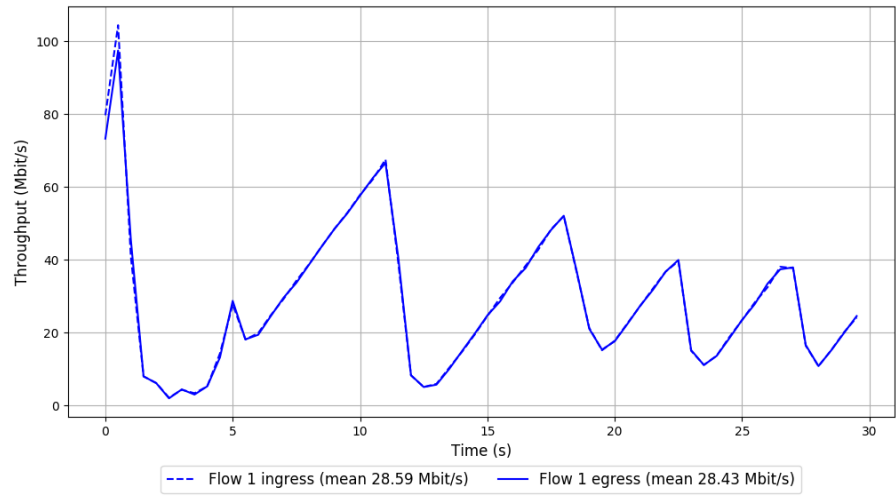


Run 4: Statistics of TCP Cubic

Start at: 2018-04-17 05:48:58  
End at: 2018-04-17 05:49:28  
Local clock offset: -2.637 ms  
Remote clock offset: -7.511 ms

# Below is generated by plot.py at 2018-04-17 08:36:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 28.43 Mbit/s  
95th percentile per-packet one-way delay: 29.738 ms  
Loss rate: 0.59%  
-- Flow 1:  
Average throughput: 28.43 Mbit/s  
95th percentile per-packet one-way delay: 29.738 ms  
Loss rate: 0.59%

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

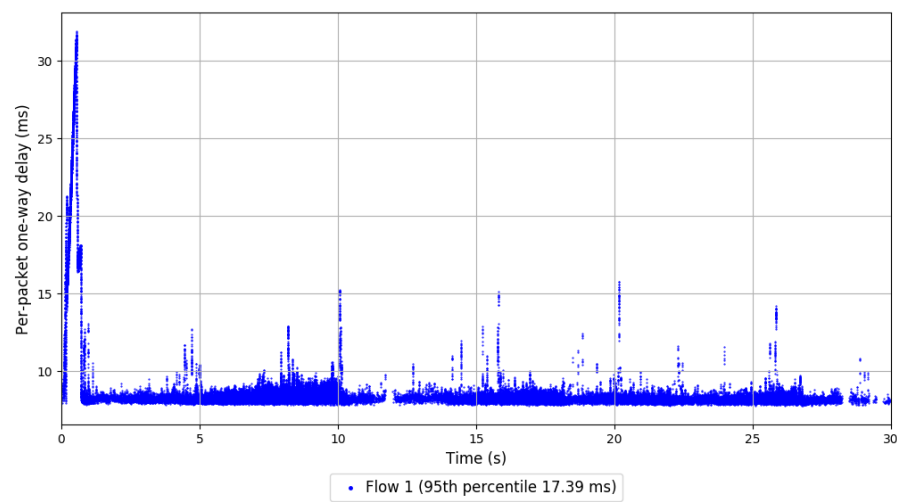
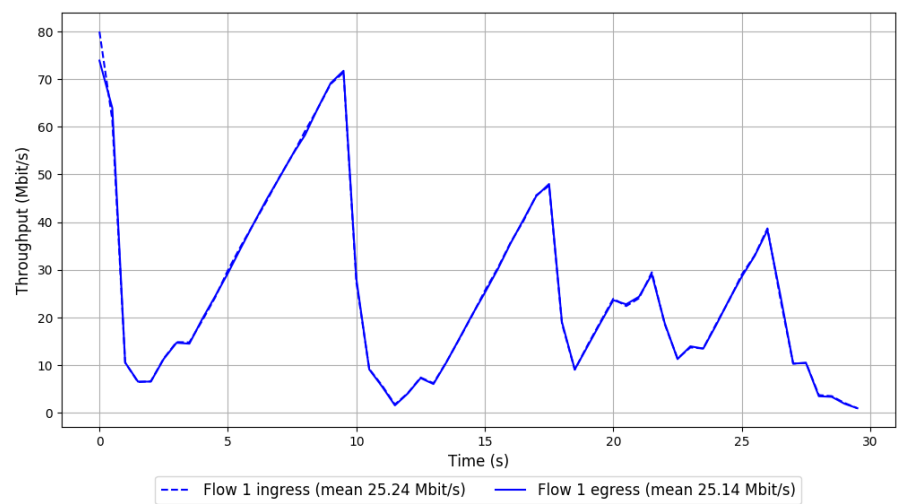


Run 5: Statistics of TCP Cubic

Start at: 2018-04-17 06:08:46  
End at: 2018-04-17 06:09:16  
Local clock offset: -2.632 ms  
Remote clock offset: -5.028 ms

# Below is generated by plot.py at 2018-04-17 08:36:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 25.14 Mbit/s  
95th percentile per-packet one-way delay: 17.390 ms  
Loss rate: 0.37%  
-- Flow 1:  
Average throughput: 25.14 Mbit/s  
95th percentile per-packet one-way delay: 17.390 ms  
Loss rate: 0.37%

Run 5: Report of TCP Cubic — Data Link

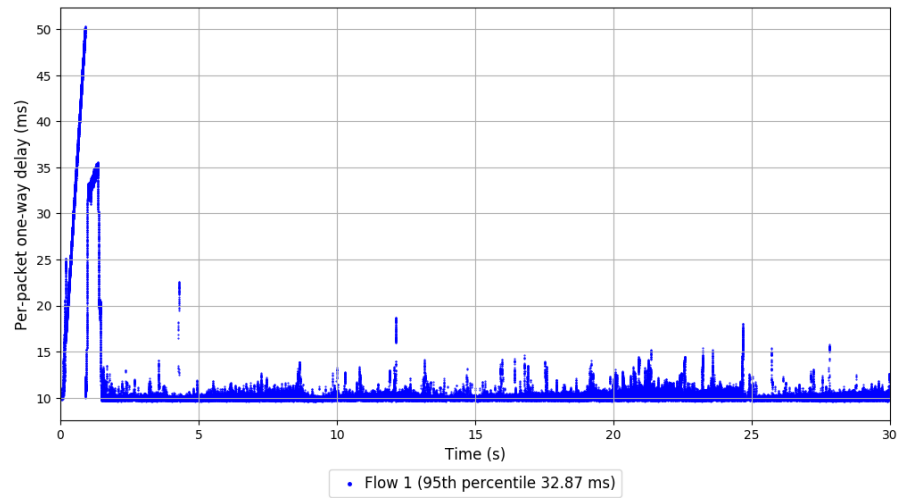
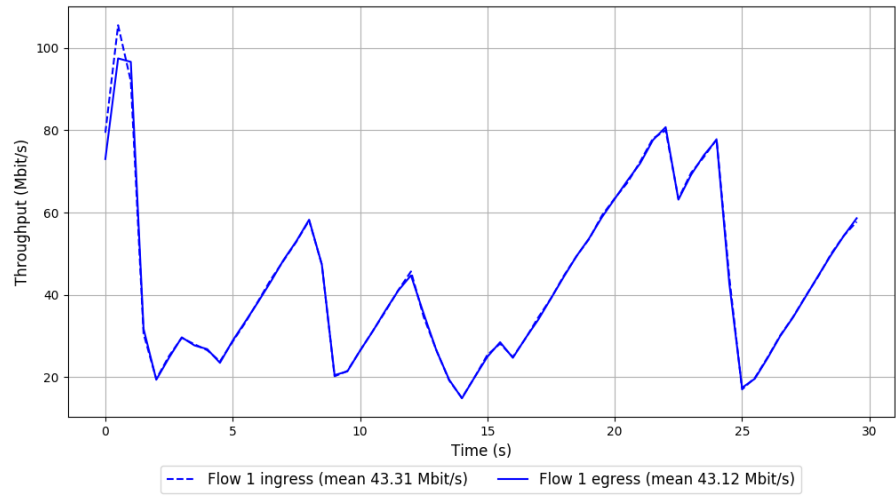


Run 6: Statistics of TCP Cubic

Start at: 2018-04-17 06:28:41  
End at: 2018-04-17 06:29:11  
Local clock offset: -3.704 ms  
Remote clock offset: -4.885 ms

# Below is generated by plot.py at 2018-04-17 08:36:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 43.12 Mbit/s  
95th percentile per-packet one-way delay: 32.874 ms  
Loss rate: 0.44%  
-- Flow 1:  
Average throughput: 43.12 Mbit/s  
95th percentile per-packet one-way delay: 32.874 ms  
Loss rate: 0.44%

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



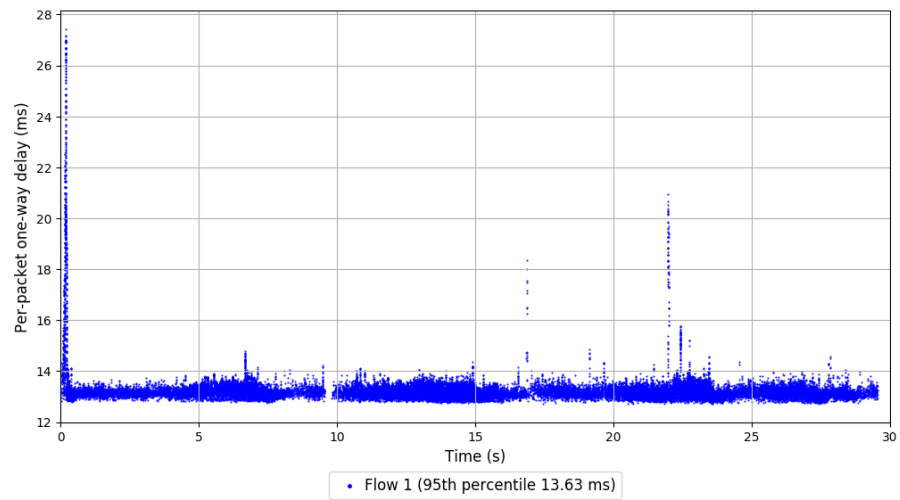
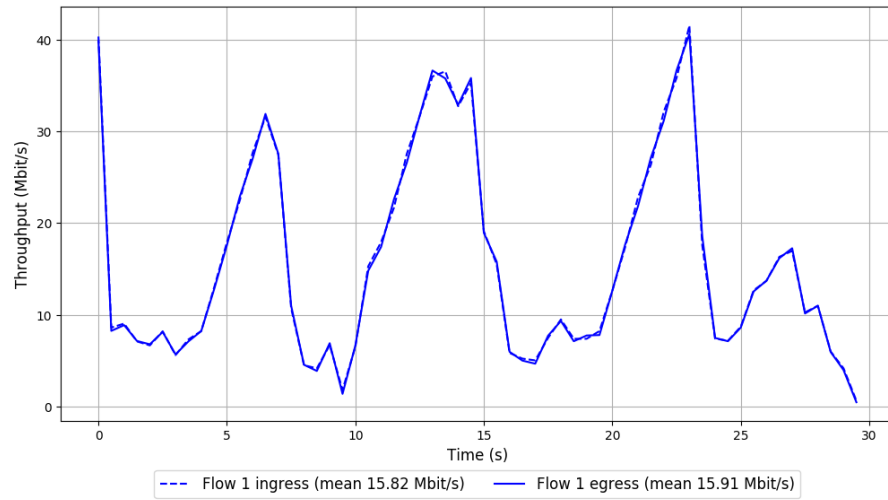
Run 7: Statistics of TCP Cubic

Start at: 2018-04-17 06:48:33  
End at: 2018-04-17 06:49:03  
Local clock offset: -12.085 ms  
Remote clock offset: -6.212 ms

# Below is generated by plot.py at 2018-04-17 08:36:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 15.91 Mbit/s  
95th percentile per-packet one-way delay: 13.631 ms  
Loss rate: 0.32%  
-- Flow 1:  
Average throughput: 15.91 Mbit/s  
95th percentile per-packet one-way delay: 13.631 ms  
Loss rate: 0.32%



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

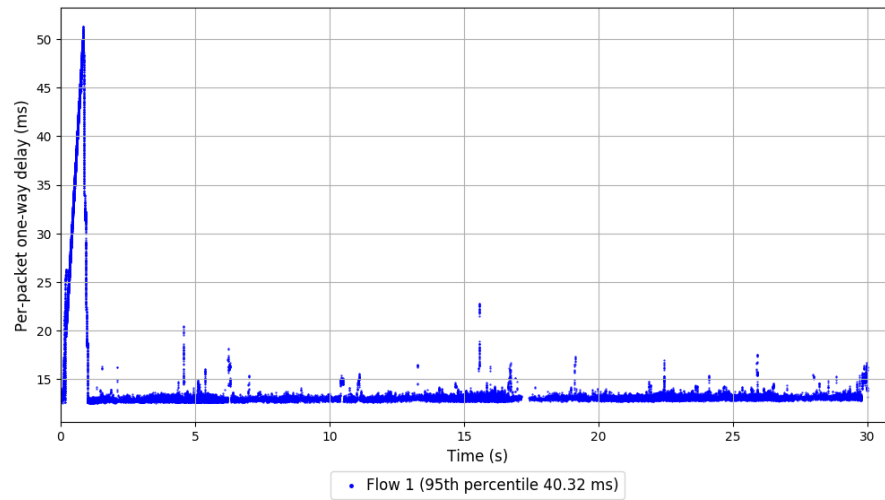
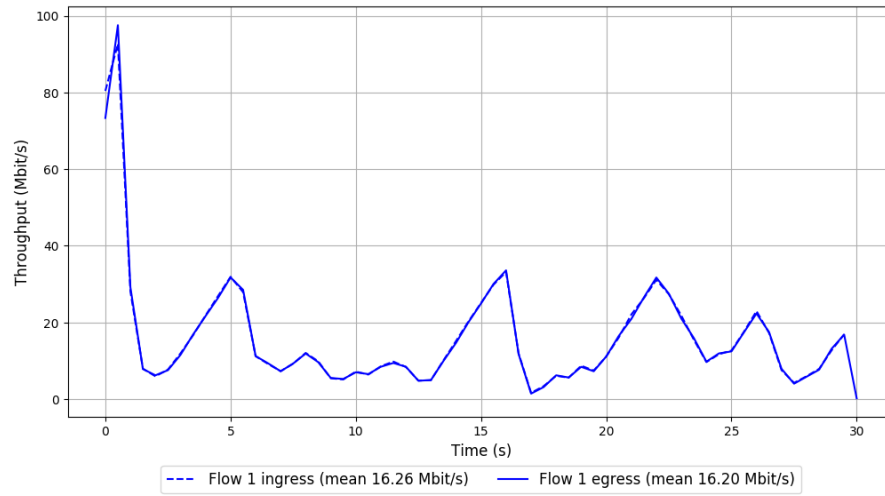


Run 8: Statistics of TCP Cubic

Start at: 2018-04-17 07:08:31  
End at: 2018-04-17 07:09:01  
Local clock offset: -11.087 ms  
Remote clock offset: -1.962 ms

# Below is generated by plot.py at 2018-04-17 08:36:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 16.20 Mbit/s  
95th percentile per-packet one-way delay: 40.317 ms  
Loss rate: 0.36%  
-- Flow 1:  
Average throughput: 16.20 Mbit/s  
95th percentile per-packet one-way delay: 40.317 ms  
Loss rate: 0.36%

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

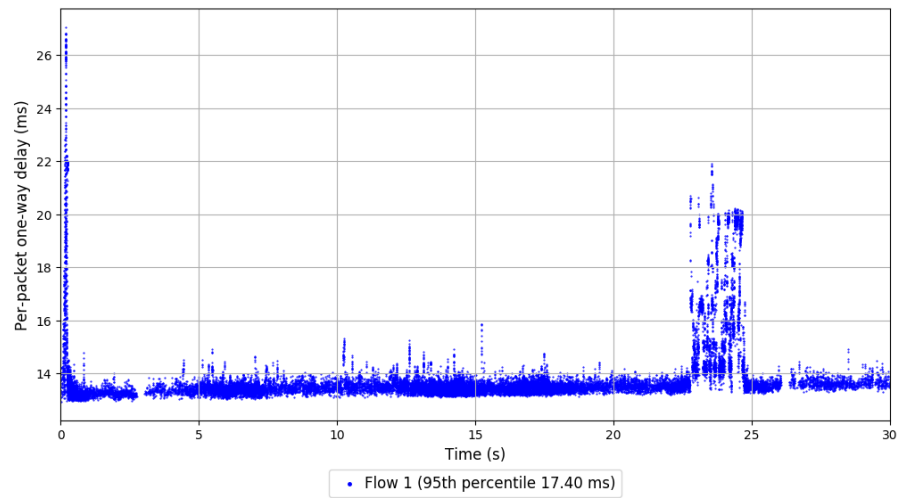
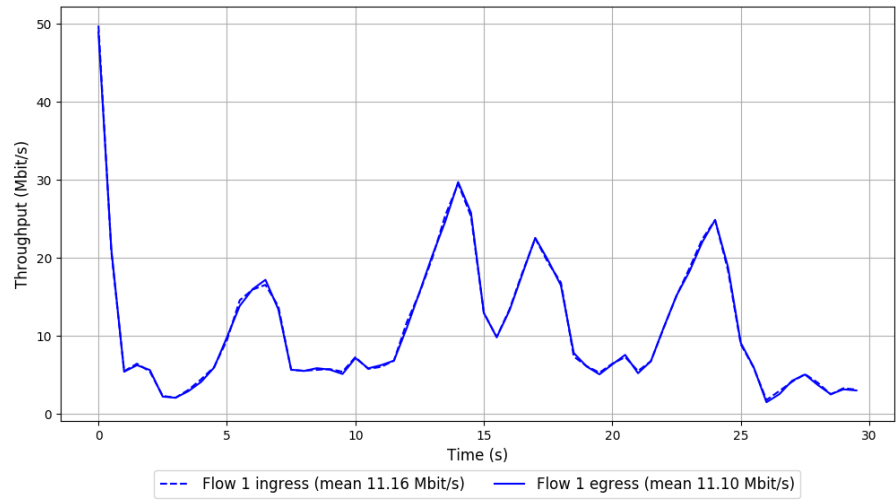


Run 9: Statistics of TCP Cubic

Start at: 2018-04-17 07:28:24  
End at: 2018-04-17 07:28:54  
Local clock offset: -4.977 ms  
Remote clock offset: -3.463 ms

# Below is generated by plot.py at 2018-04-17 08:36:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.10 Mbit/s  
95th percentile per-packet one-way delay: 17.403 ms  
Loss rate: 0.47%  
-- Flow 1:  
Average throughput: 11.10 Mbit/s  
95th percentile per-packet one-way delay: 17.403 ms  
Loss rate: 0.47%

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



Run 10: Statistics of TCP Cubic

Start at: 2018-04-17 07:48:01

End at: 2018-04-17 07:48:31

Local clock offset: -5.972 ms

Remote clock offset: -9.48 ms

# Below is generated by plot.py at 2018-04-17 08:36:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 14.440 ms

Loss rate: 1.13%

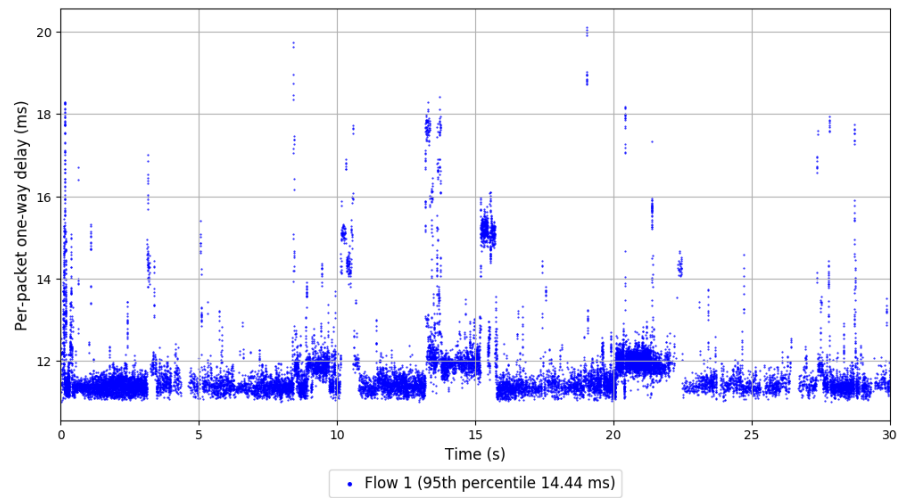
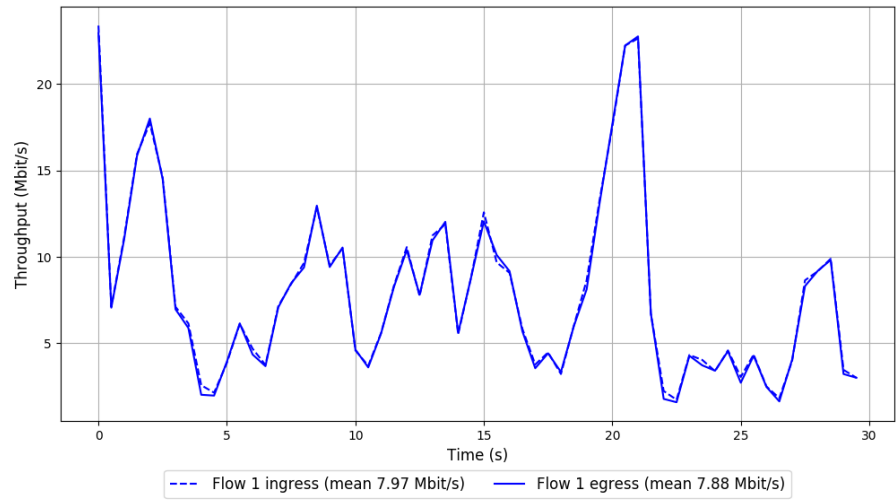
-- Flow 1:

Average throughput: 7.88 Mbit/s

95th percentile per-packet one-way delay: 14.440 ms

Loss rate: 1.13%

# Run 10: Report of TCP Cubic — Data Link



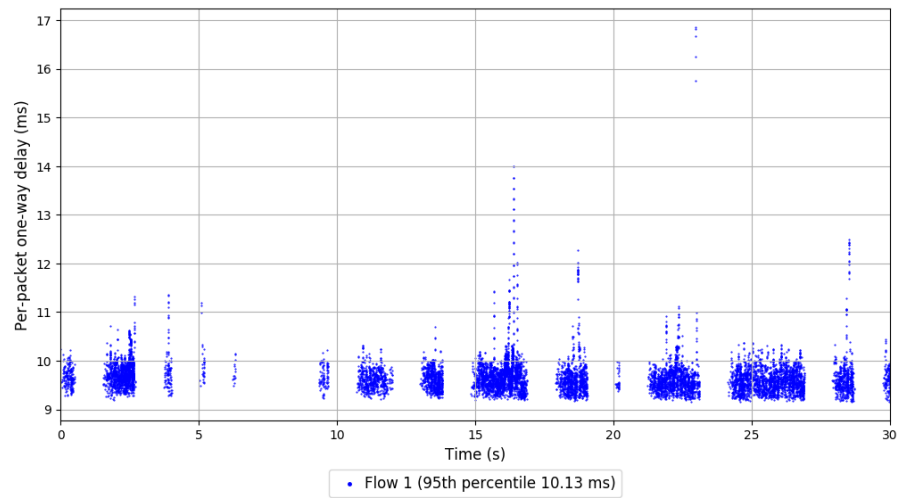
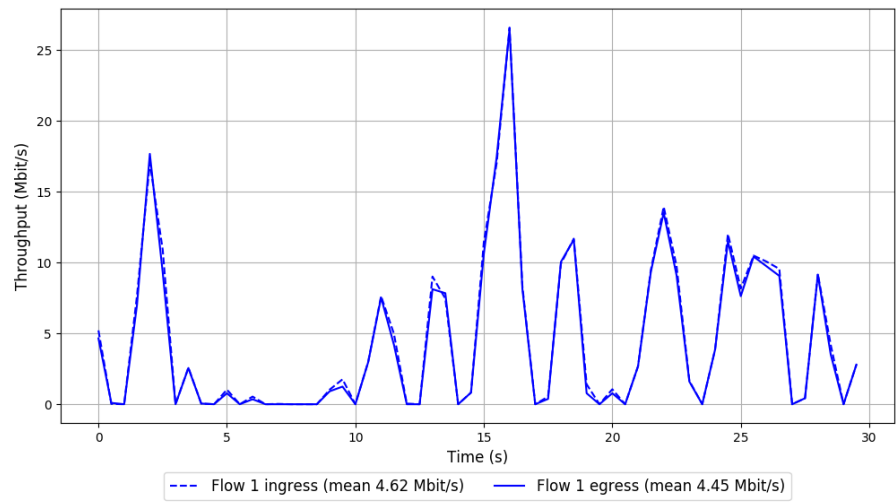
Run 1: Statistics of LEDBAT

Start at: 2018-04-17 05:05:53  
End at: 2018-04-17 05:06:23  
Local clock offset: -6.153 ms  
Remote clock offset: -7.977 ms

# Below is generated by plot.py at 2018-04-17 08:36:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.45 Mbit/s  
95th percentile per-packet one-way delay: 10.129 ms  
Loss rate: 3.74%  
-- Flow 1:  
Average throughput: 4.45 Mbit/s  
95th percentile per-packet one-way delay: 10.129 ms  
Loss rate: 3.74%



### Run 1: Report of LEDBAT — Data Link

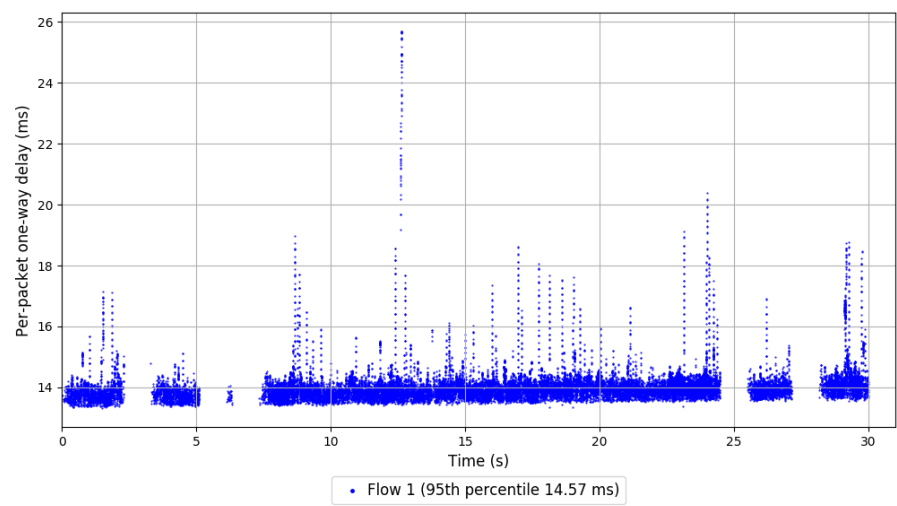
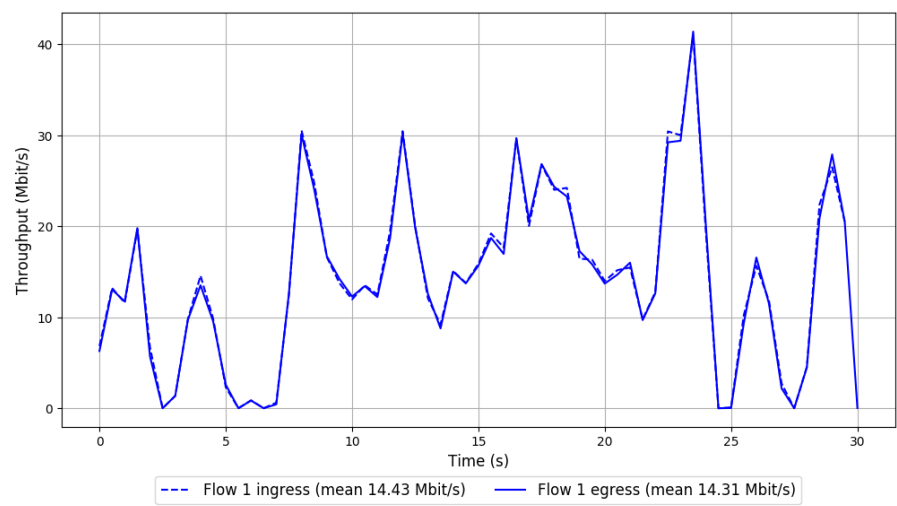


Run 2: Statistics of LEDBAT

Start at: 2018-04-17 05:25:30  
End at: 2018-04-17 05:26:00  
Local clock offset: -10.408 ms  
Remote clock offset: -9.009 ms

# Below is generated by plot.py at 2018-04-17 08:36:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 14.31 Mbit/s  
95th percentile per-packet one-way delay: 14.572 ms  
Loss rate: 0.88%  
-- Flow 1:  
Average throughput: 14.31 Mbit/s  
95th percentile per-packet one-way delay: 14.572 ms  
Loss rate: 0.88%

Run 2: Report of LEDBAT — Data Link

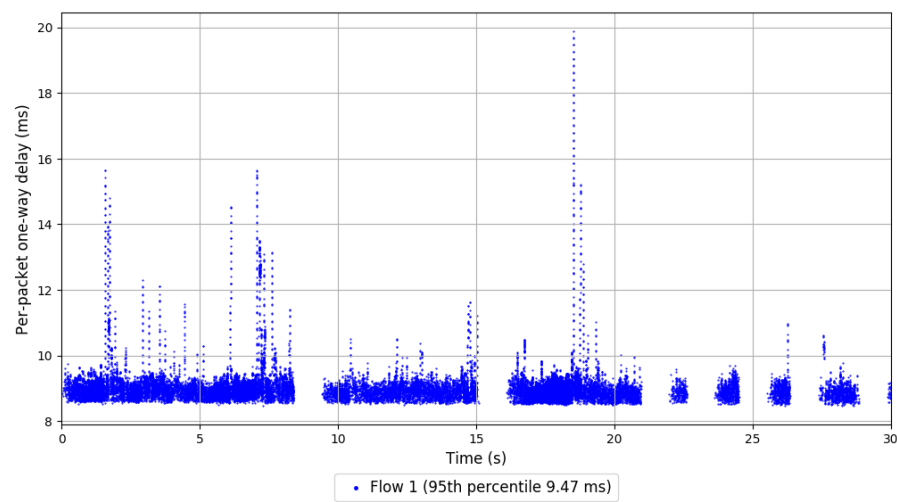
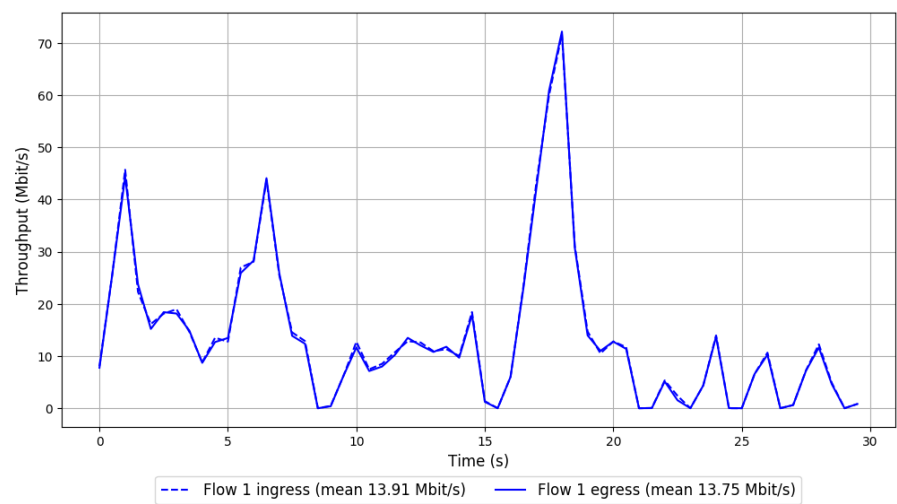


Run 3: Statistics of LEDBAT

Start at: 2018-04-17 05:45:32  
End at: 2018-04-17 05:46:02  
Local clock offset: -1.359 ms  
Remote clock offset: -8.486 ms

# Below is generated by plot.py at 2018-04-17 08:36:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.75 Mbit/s  
95th percentile per-packet one-way delay: 9.473 ms  
Loss rate: 1.16%  
-- Flow 1:  
Average throughput: 13.75 Mbit/s  
95th percentile per-packet one-way delay: 9.473 ms  
Loss rate: 1.16%

Run 3: Report of LEDBAT — Data Link

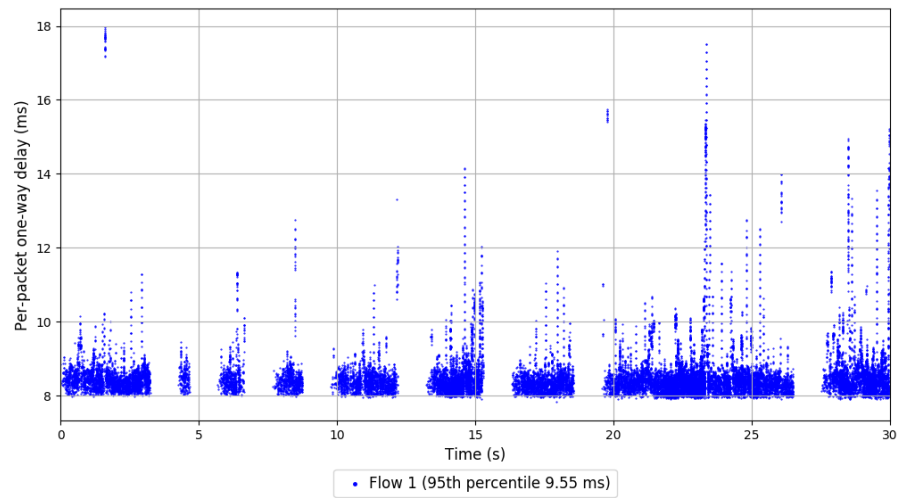
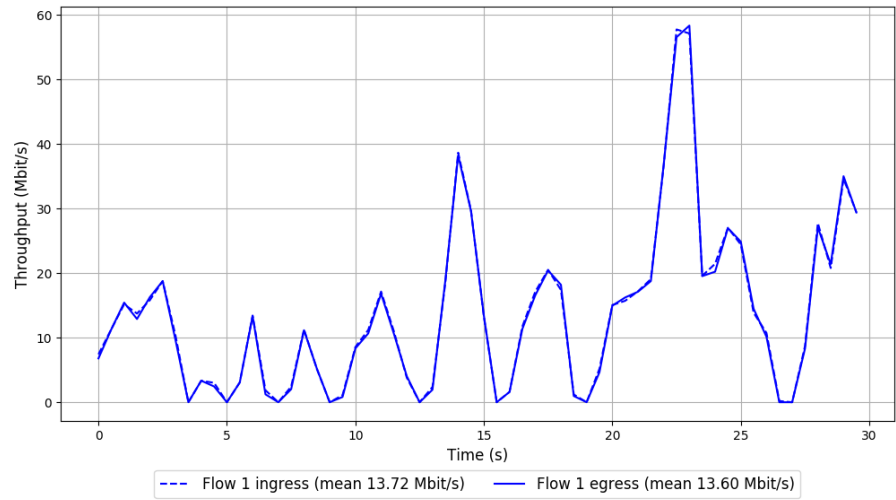


Run 4: Statistics of LEDBAT

Start at: 2018-04-17 06:05:18  
End at: 2018-04-17 06:05:48  
Local clock offset: -2.397 ms  
Remote clock offset: -5.181 ms

# Below is generated by plot.py at 2018-04-17 08:36:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.60 Mbit/s  
95th percentile per-packet one-way delay: 9.553 ms  
Loss rate: 0.87%  
-- Flow 1:  
Average throughput: 13.60 Mbit/s  
95th percentile per-packet one-way delay: 9.553 ms  
Loss rate: 0.87%

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



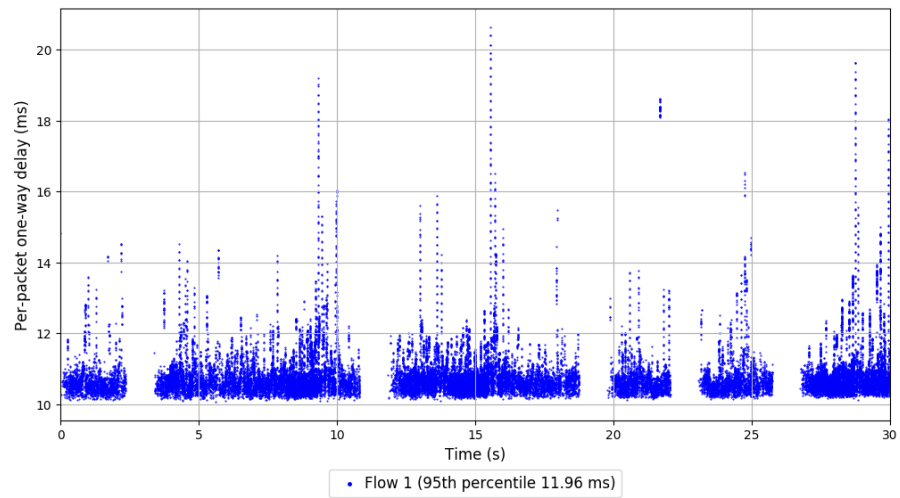
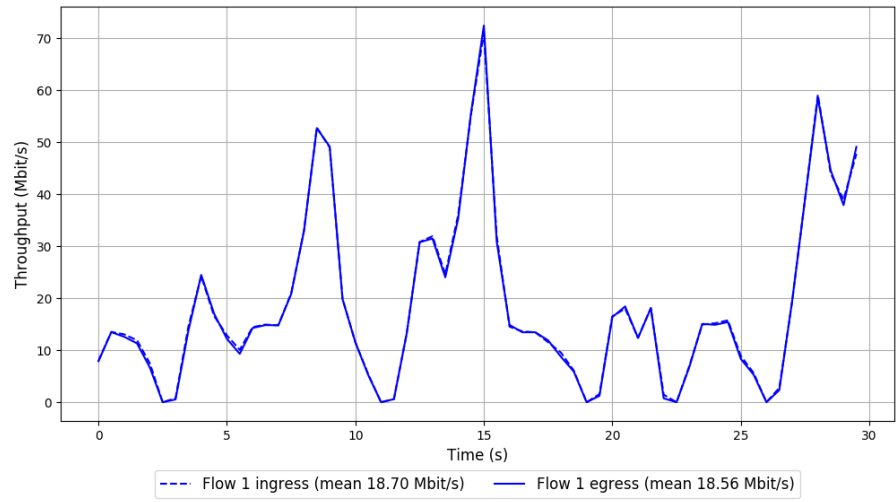
Run 5: Statistics of LEDBAT

Start at: 2018-04-17 06:25:13  
End at: 2018-04-17 06:25:43  
Local clock offset: -4.984 ms  
Remote clock offset: -5.425 ms

# Below is generated by plot.py at 2018-04-17 08:36:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 18.56 Mbit/s  
95th percentile per-packet one-way delay: 11.957 ms  
Loss rate: 0.77%  
-- Flow 1:  
Average throughput: 18.56 Mbit/s  
95th percentile per-packet one-way delay: 11.957 ms  
Loss rate: 0.77%



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

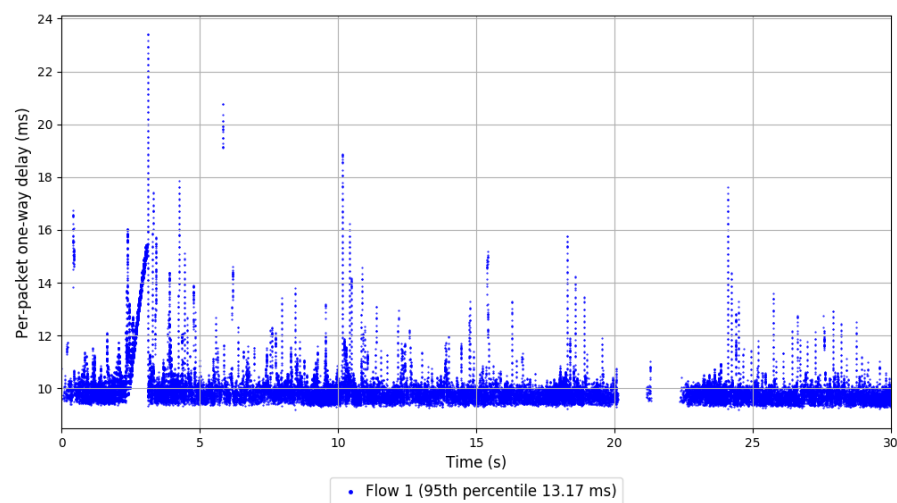
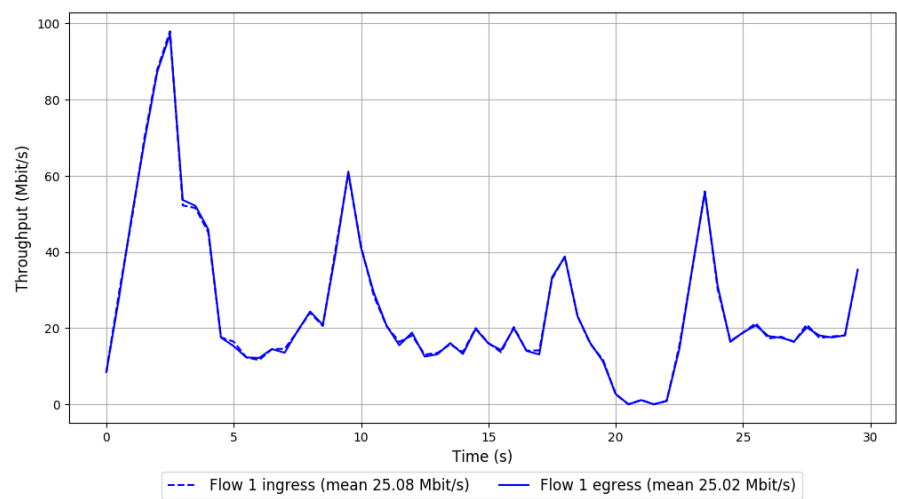


Run 6: Statistics of LEDBAT

Start at: 2018-04-17 06:45:07  
End at: 2018-04-17 06:45:37  
Local clock offset: -8.873 ms  
Remote clock offset: -5.958 ms

# Below is generated by plot.py at 2018-04-17 08:36:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 25.02 Mbit/s  
95th percentile per-packet one-way delay: 13.168 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 25.02 Mbit/s  
95th percentile per-packet one-way delay: 13.168 ms  
Loss rate: 0.27%

Run 6: Report of LEDBAT — Data Link

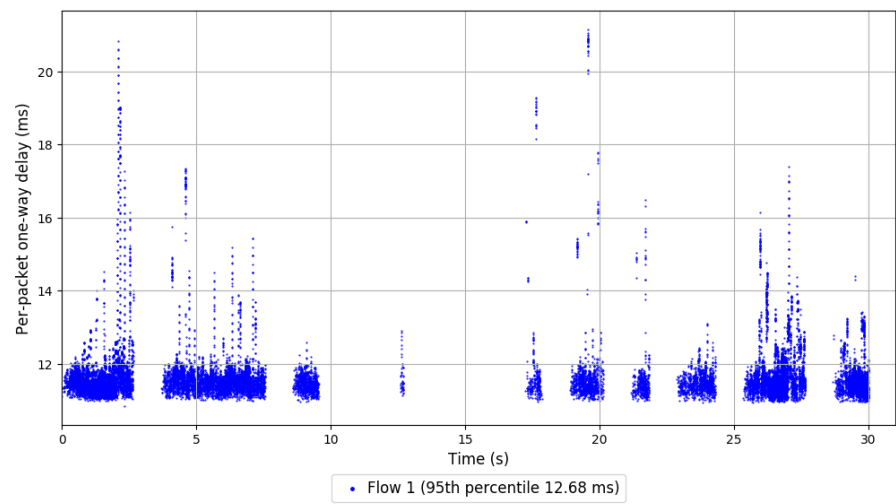
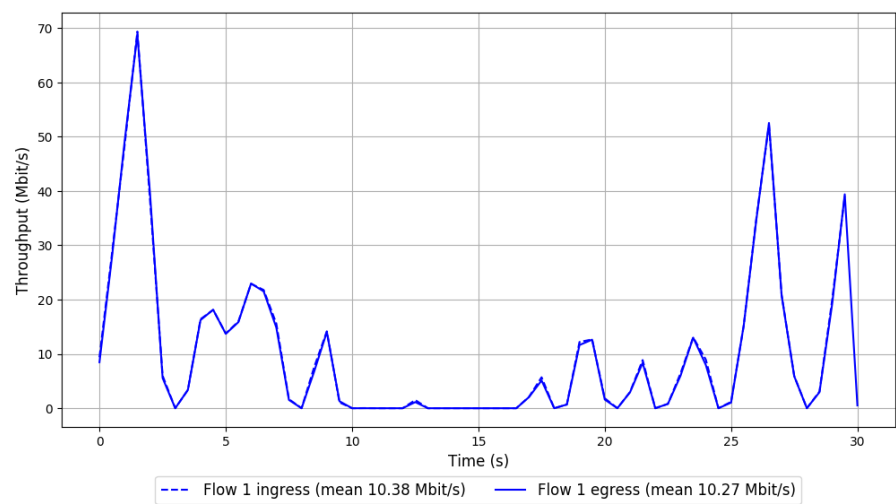


Run 7: Statistics of LEDBAT

Start at: 2018-04-17 07:04:53  
End at: 2018-04-17 07:05:23  
Local clock offset: -13.029 ms  
Remote clock offset: -3.675 ms

# Below is generated by plot.py at 2018-04-17 08:36:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 10.27 Mbit/s  
95th percentile per-packet one-way delay: 12.675 ms  
Loss rate: 1.09%  
-- Flow 1:  
Average throughput: 10.27 Mbit/s  
95th percentile per-packet one-way delay: 12.675 ms  
Loss rate: 1.09%

Run 7: Report of LEDBAT — Data Link

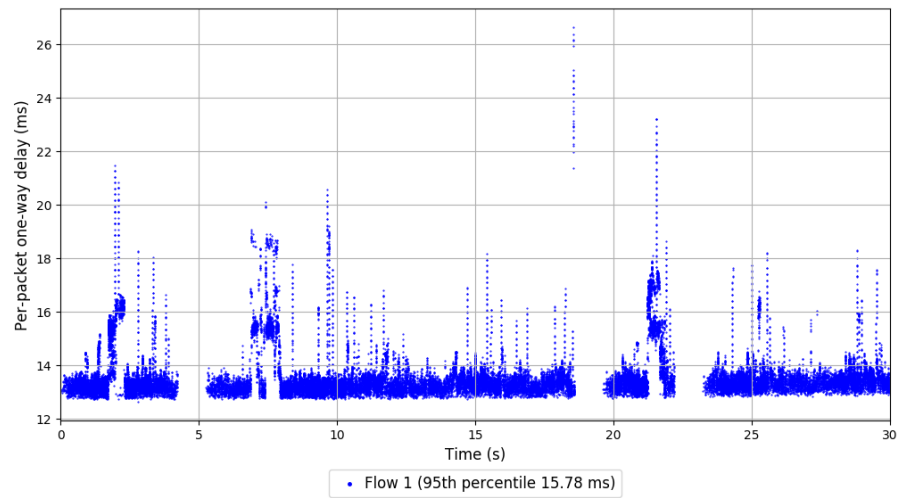
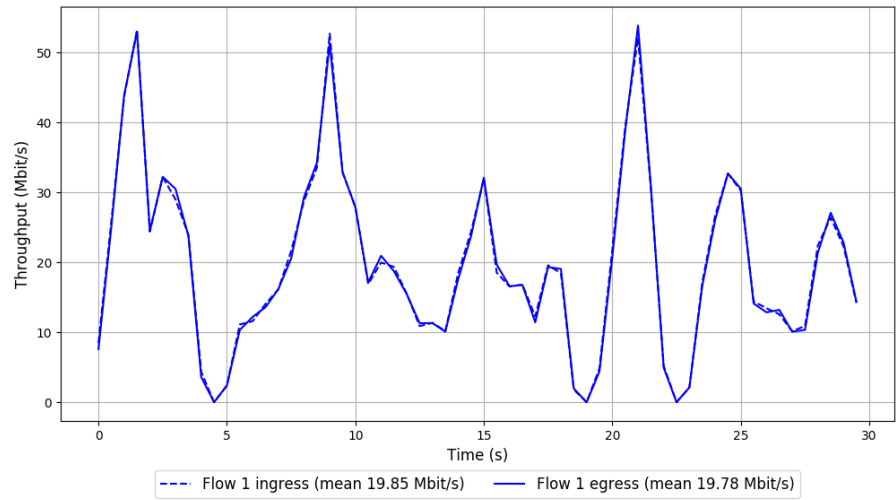


Run 8: Statistics of LEDBAT

Start at: 2018-04-17 07:24:58  
End at: 2018-04-17 07:25:28  
Local clock offset: -5.131 ms  
Remote clock offset: -1.316 ms

# Below is generated by plot.py at 2018-04-17 08:36:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 19.78 Mbit/s  
95th percentile per-packet one-way delay: 15.783 ms  
Loss rate: 0.36%  
-- Flow 1:  
Average throughput: 19.78 Mbit/s  
95th percentile per-packet one-way delay: 15.783 ms  
Loss rate: 0.36%

# Run 8: Report of LEDBAT — Data Link



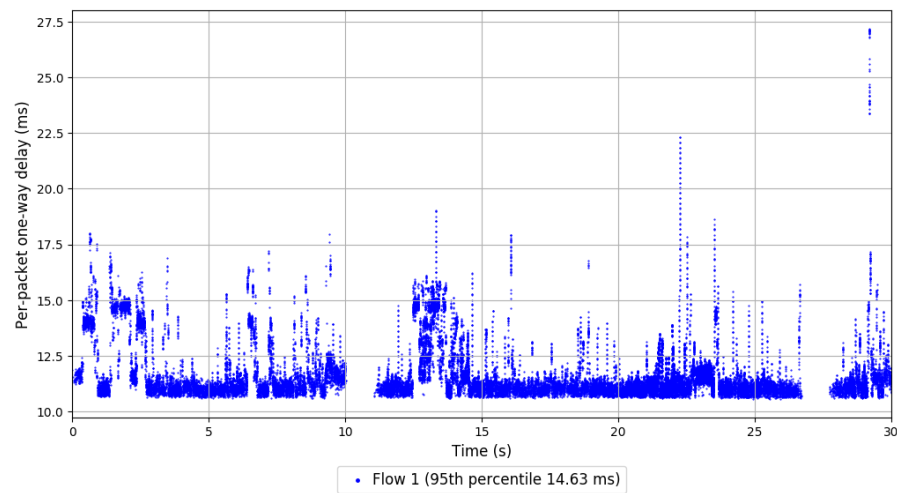
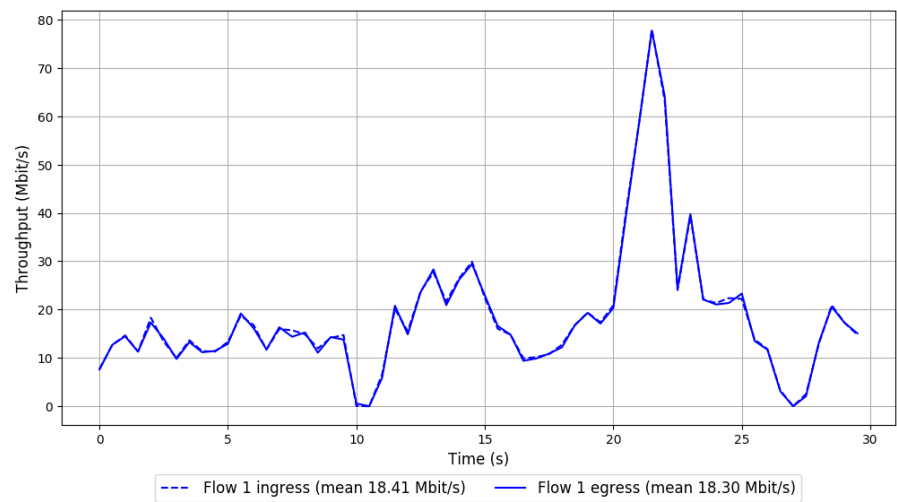
Run 9: Statistics of LEDBAT

Start at: 2018-04-17 07:44:35  
End at: 2018-04-17 07:45:05  
Local clock offset: -3.896 ms  
Remote clock offset: -8.087 ms

# Below is generated by plot.py at 2018-04-17 08:36:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 18.30 Mbit/s  
95th percentile per-packet one-way delay: 14.631 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 18.30 Mbit/s  
95th percentile per-packet one-way delay: 14.631 ms  
Loss rate: 0.62%



Run 9: Report of LEDBAT — Data Link

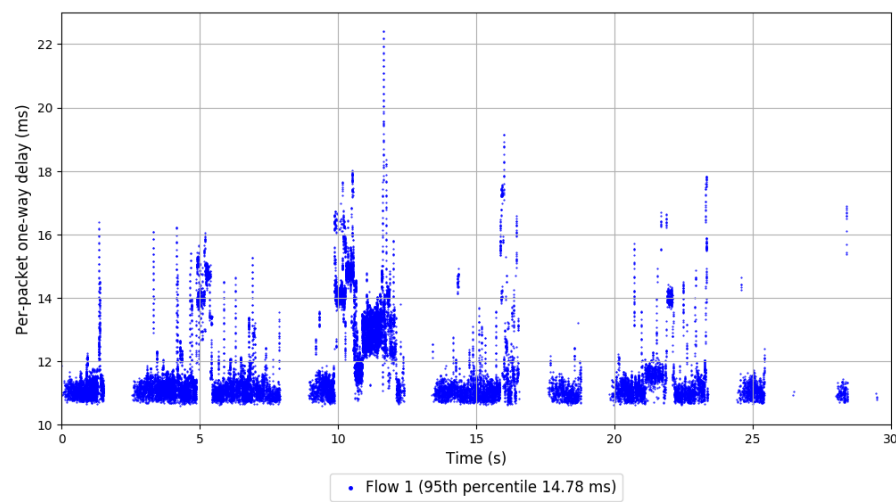
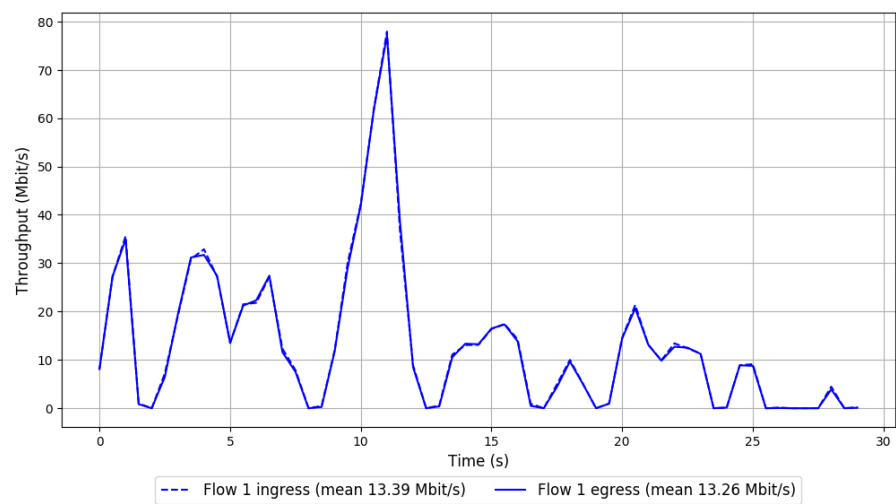


Run 10: Statistics of LEDBAT

Start at: 2018-04-17 08:04:33  
End at: 2018-04-17 08:05:03  
Local clock offset: -6.082 ms  
Remote clock offset: -9.448 ms

# Below is generated by plot.py at 2018-04-17 08:36:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 13.26 Mbit/s  
95th percentile per-packet one-way delay: 14.776 ms  
Loss rate: 1.05%  
-- Flow 1:  
Average throughput: 13.26 Mbit/s  
95th percentile per-packet one-way delay: 14.776 ms  
Loss rate: 1.05%

Run 10: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

Start at: 2018-04-17 04:55:04

End at: 2018-04-17 04:55:34

Local clock offset: -7.724 ms

Remote clock offset: -8.561 ms

# Below is generated by plot.py at 2018-04-17 08:36:23

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.64 Mbit/s

95th percentile per-packet one-way delay: 12.955 ms

Loss rate: 6.14%

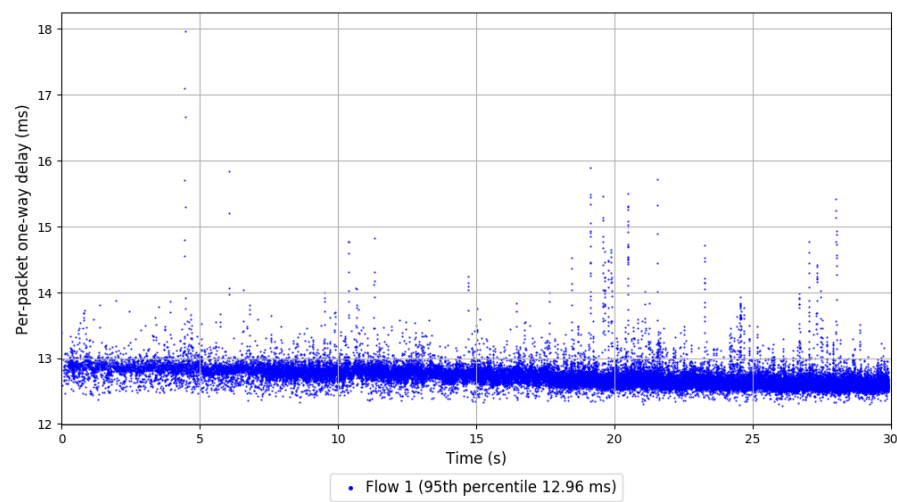
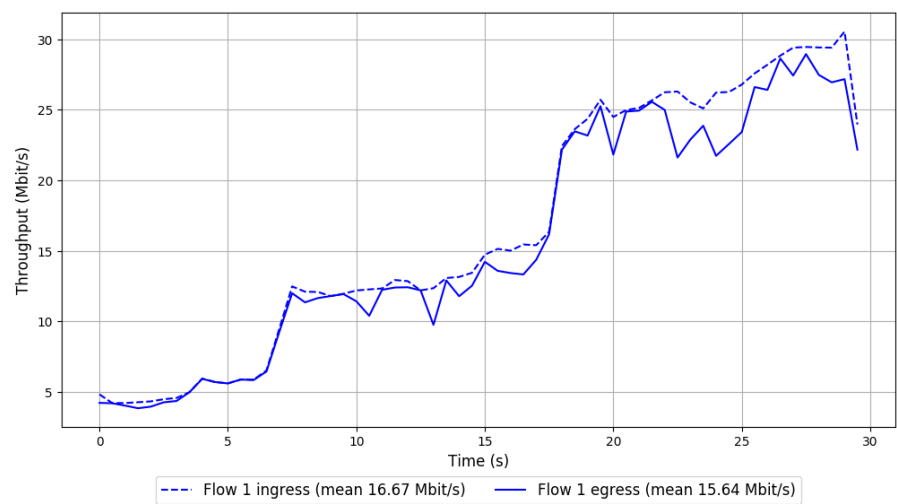
-- Flow 1:

Average throughput: 15.64 Mbit/s

95th percentile per-packet one-way delay: 12.955 ms

Loss rate: 6.14%

Run 1: Report of PCC-Allegro — Data Link



Run 2: Statistics of PCC-Allegro

Start at: 2018-04-17 05:14:55

End at: 2018-04-17 05:15:25

Local clock offset: -7.038 ms

Remote clock offset: -8.937 ms

# Below is generated by plot.py at 2018-04-17 08:37:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 75.30 Mbit/s

95th percentile per-packet one-way delay: 12.937 ms

Loss rate: 10.10%

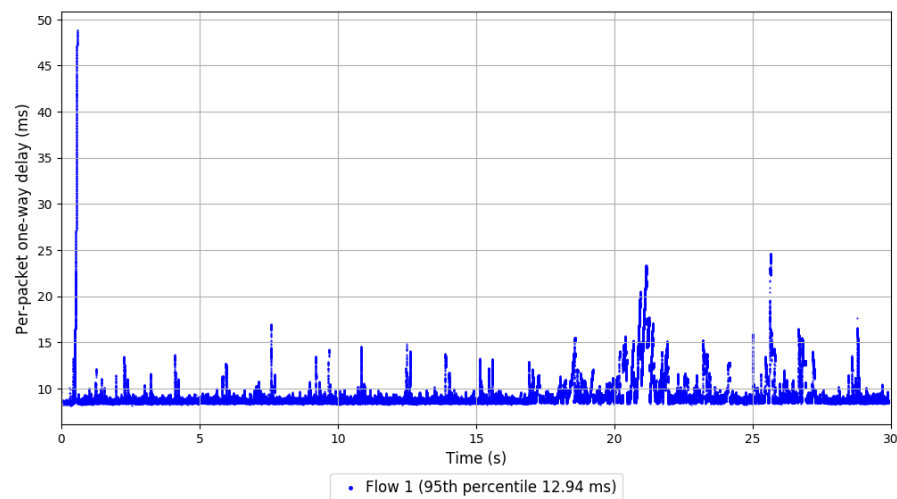
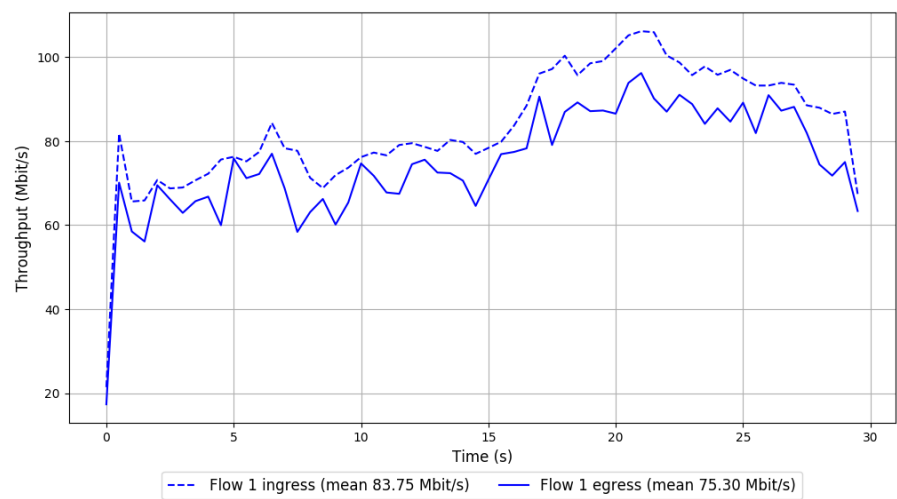
-- Flow 1:

Average throughput: 75.30 Mbit/s

95th percentile per-packet one-way delay: 12.937 ms

Loss rate: 10.10%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2018-04-17 05:34:43

End at: 2018-04-17 05:35:13

Local clock offset: -4.782 ms

Remote clock offset: -8.82 ms

# Below is generated by plot.py at 2018-04-17 08:37:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.44 Mbit/s

95th percentile per-packet one-way delay: 11.637 ms

Loss rate: 7.08%

-- Flow 1:

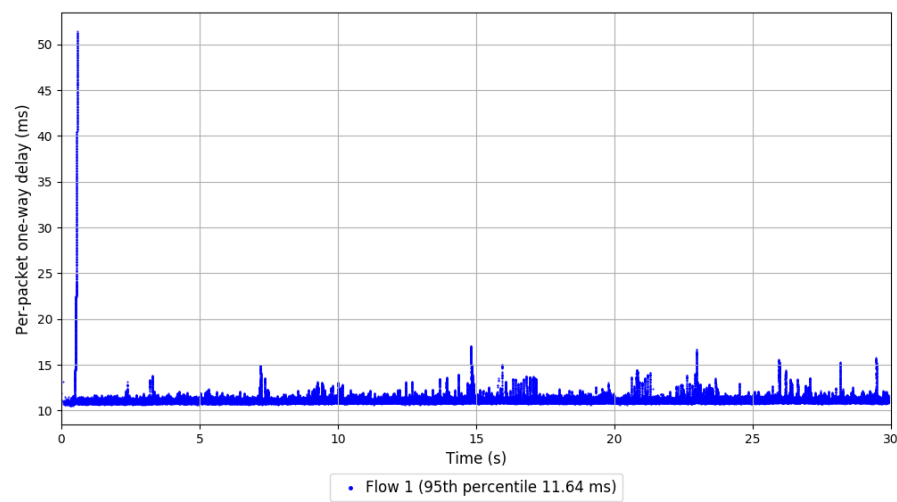
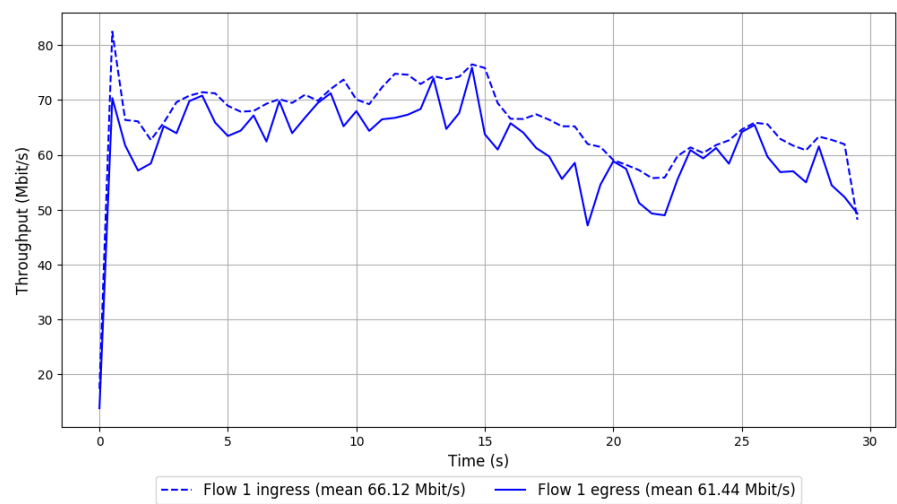
Average throughput: 61.44 Mbit/s

95th percentile per-packet one-way delay: 11.637 ms

Loss rate: 7.08%



Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-17 05:54:36

End at: 2018-04-17 05:55:06

Local clock offset: -0.897 ms

Remote clock offset: -6.224 ms

# Below is generated by plot.py at 2018-04-17 08:37:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.28 Mbit/s

95th percentile per-packet one-way delay: 10.773 ms

Loss rate: 7.11%

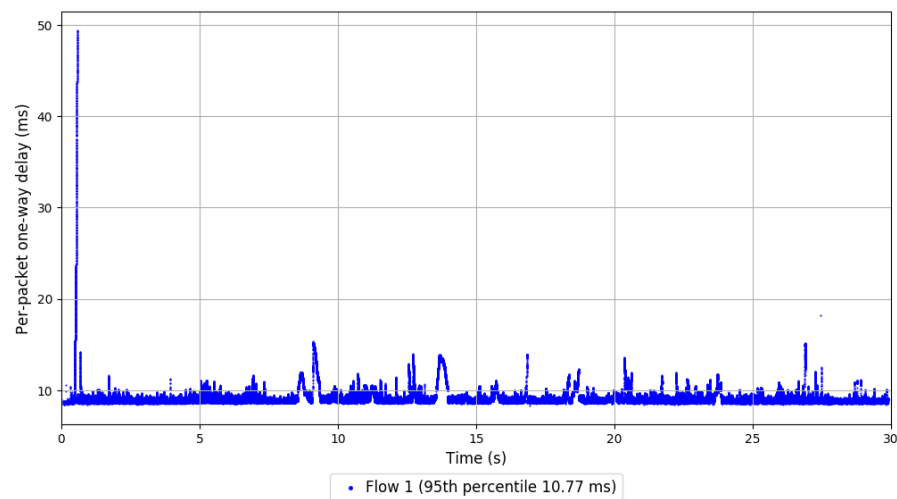
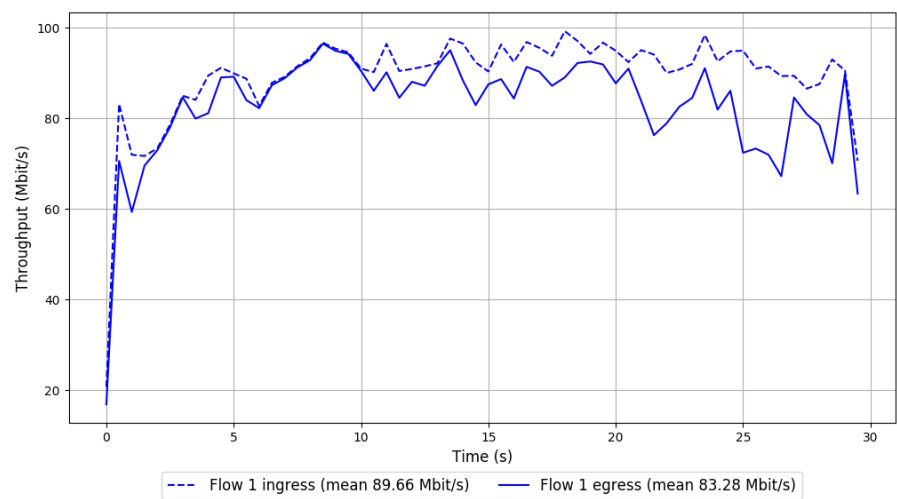
-- Flow 1:

Average throughput: 83.28 Mbit/s

95th percentile per-packet one-way delay: 10.773 ms

Loss rate: 7.11%

Run 4: Report of PCC-Allegro — Data Link

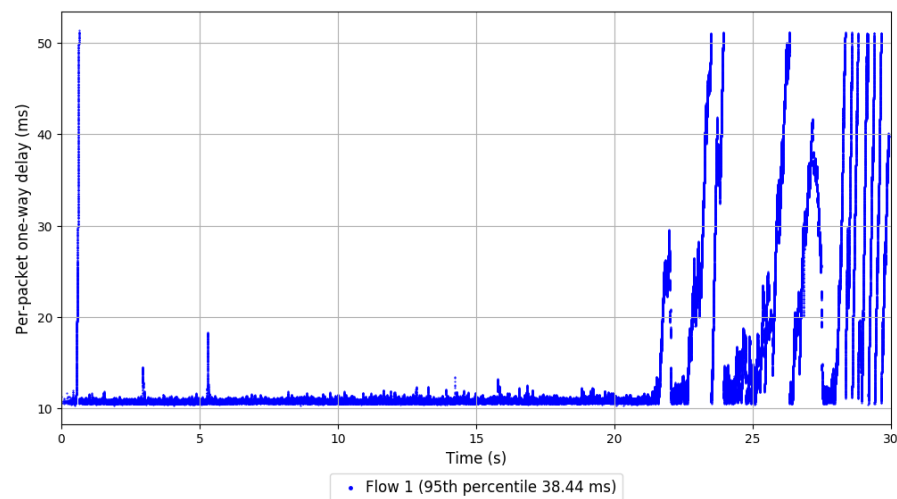
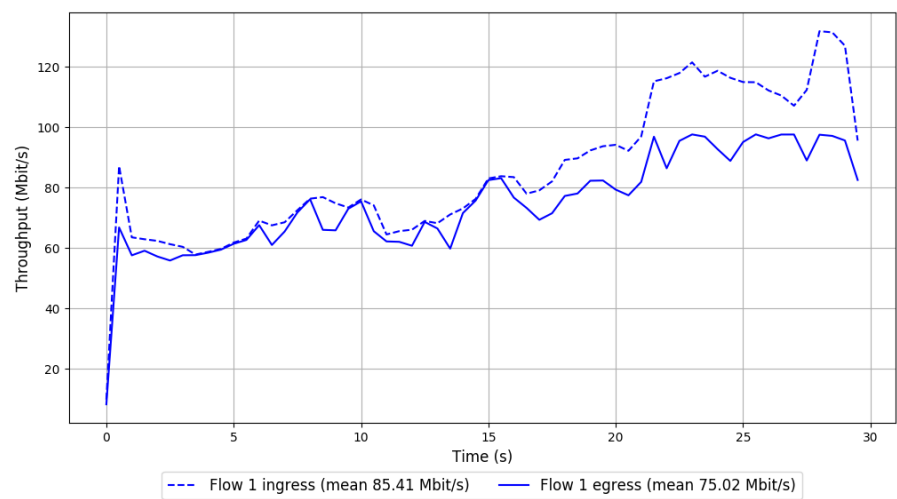


Run 5: Statistics of PCC-Allegro

Start at: 2018-04-17 06:14:41  
End at: 2018-04-17 06:15:11  
Local clock offset: -3.454 ms  
Remote clock offset: -3.537 ms

# Below is generated by plot.py at 2018-04-17 08:37:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 75.02 Mbit/s  
95th percentile per-packet one-way delay: 38.441 ms  
Loss rate: 12.08%  
-- Flow 1:  
Average throughput: 75.02 Mbit/s  
95th percentile per-packet one-way delay: 38.441 ms  
Loss rate: 12.08%

Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-17 06:34:29

End at: 2018-04-17 06:34:59

Local clock offset: -5.704 ms

Remote clock offset: -7.739 ms

# Below is generated by plot.py at 2018-04-17 08:37:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.24 Mbit/s

95th percentile per-packet one-way delay: 9.198 ms

Loss rate: 6.57%

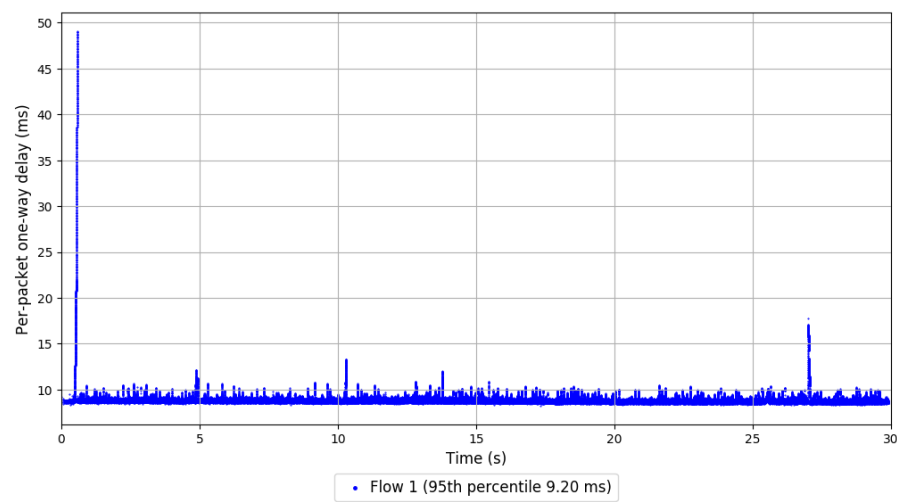
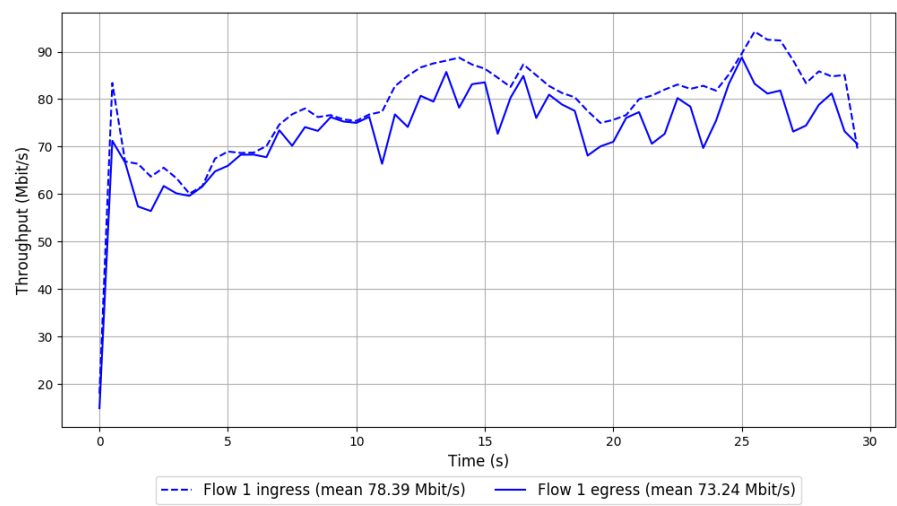
-- Flow 1:

Average throughput: 73.24 Mbit/s

95th percentile per-packet one-way delay: 9.198 ms

Loss rate: 6.57%

Run 6: Report of PCC-Allegro — Data Link



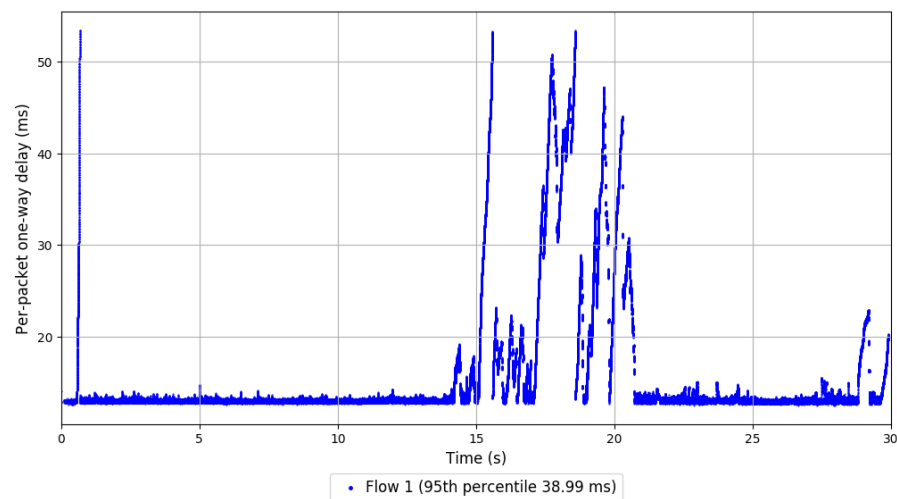
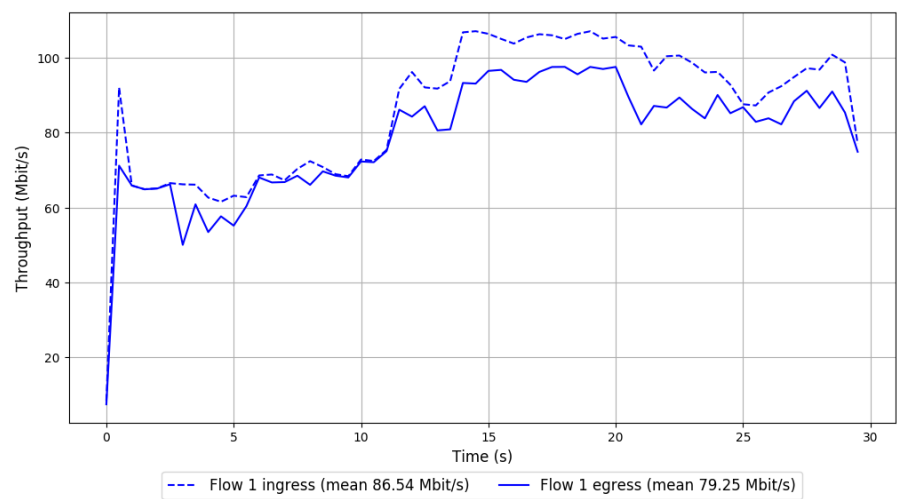
Run 7: Statistics of PCC-Allegro

Start at: 2018-04-17 06:54:15  
End at: 2018-04-17 06:54:45  
Local clock offset: -11.579 ms  
Remote clock offset: -4.259 ms

# Below is generated by plot.py at 2018-04-17 08:37:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.25 Mbit/s  
95th percentile per-packet one-way delay: 38.992 ms  
Loss rate: 8.40%  
-- Flow 1:  
Average throughput: 79.25 Mbit/s  
95th percentile per-packet one-way delay: 38.992 ms  
Loss rate: 8.40%



Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-17 07:14:18

End at: 2018-04-17 07:14:48

Local clock offset: -8.168 ms

Remote clock offset: -6.082 ms

# Below is generated by plot.py at 2018-04-17 08:37:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 77.28 Mbit/s

95th percentile per-packet one-way delay: 16.428 ms

Loss rate: 5.79%

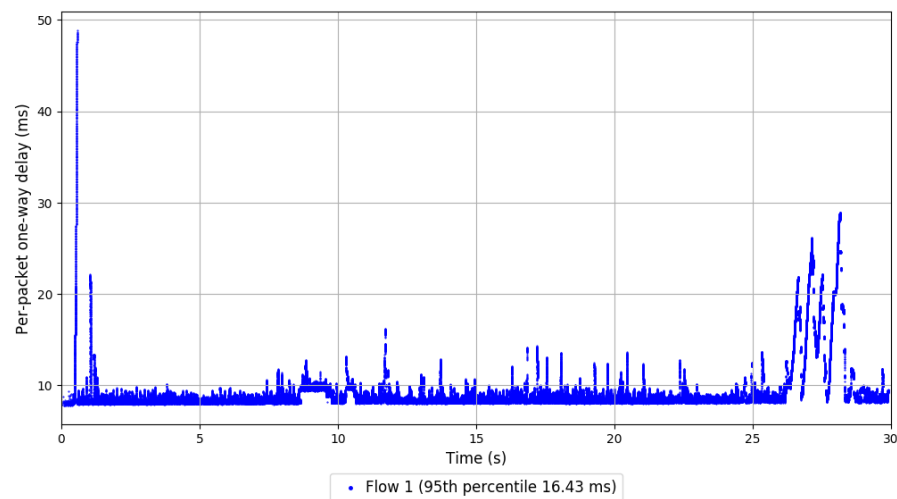
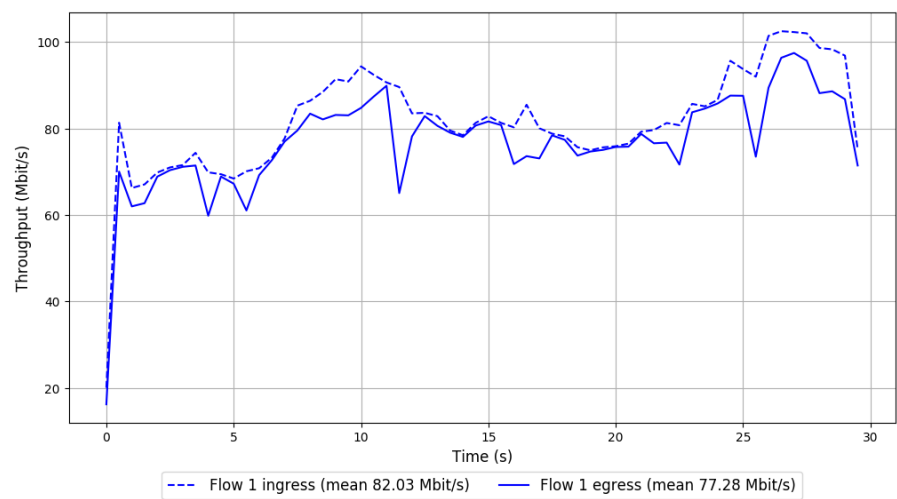
-- Flow 1:

Average throughput: 77.28 Mbit/s

95th percentile per-packet one-way delay: 16.428 ms

Loss rate: 5.79%

Run 8: Report of PCC-Allegro — Data Link

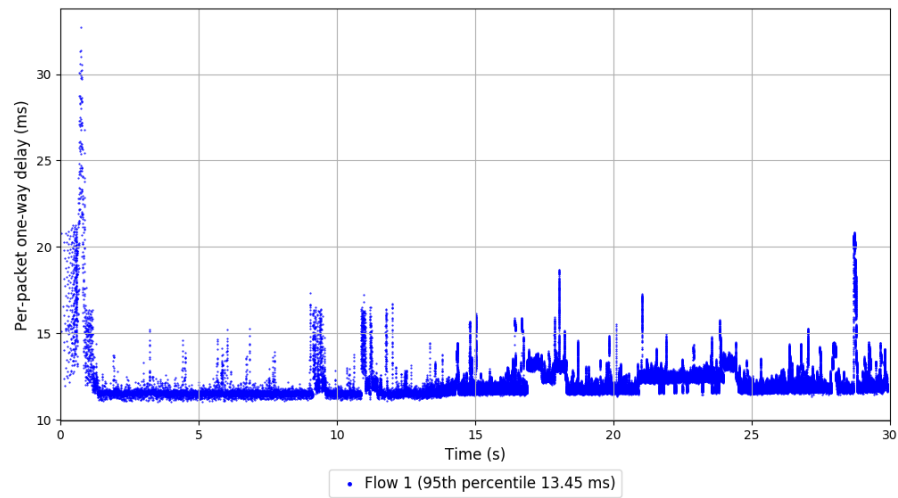
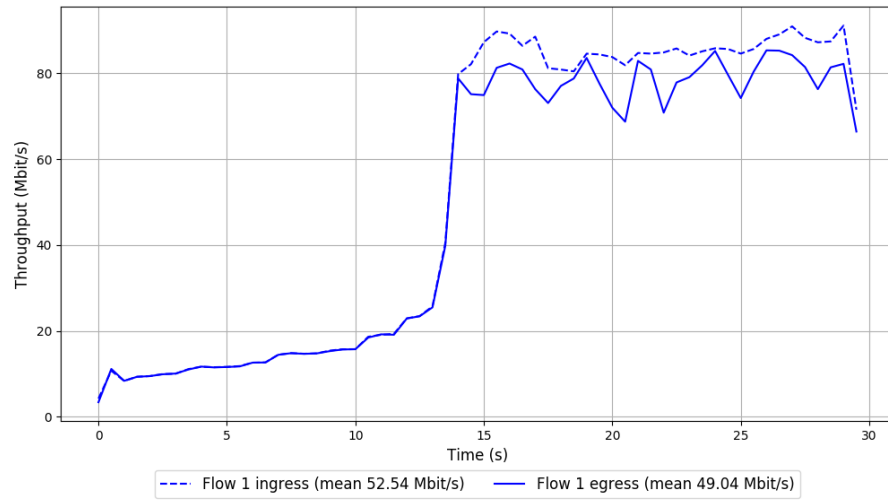


Run 9: Statistics of PCC-Allegro

Start at: 2018-04-17 07:34:01  
End at: 2018-04-17 07:34:31  
Local clock offset: -3.829 ms  
Remote clock offset: -6.266 ms

# Below is generated by plot.py at 2018-04-17 08:37:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 49.04 Mbit/s  
95th percentile per-packet one-way delay: 13.454 ms  
Loss rate: 6.70%  
-- Flow 1:  
Average throughput: 49.04 Mbit/s  
95th percentile per-packet one-way delay: 13.454 ms  
Loss rate: 6.70%

### Run 9: Report of PCC-Allegro — Data Link

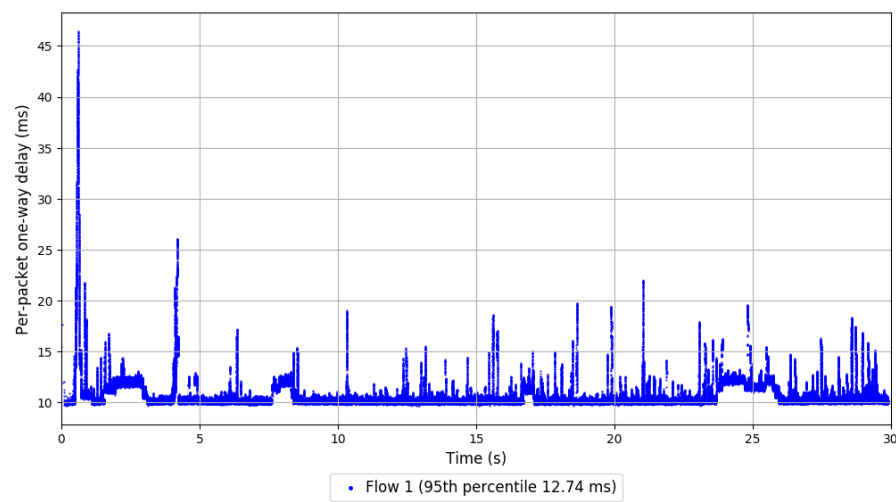
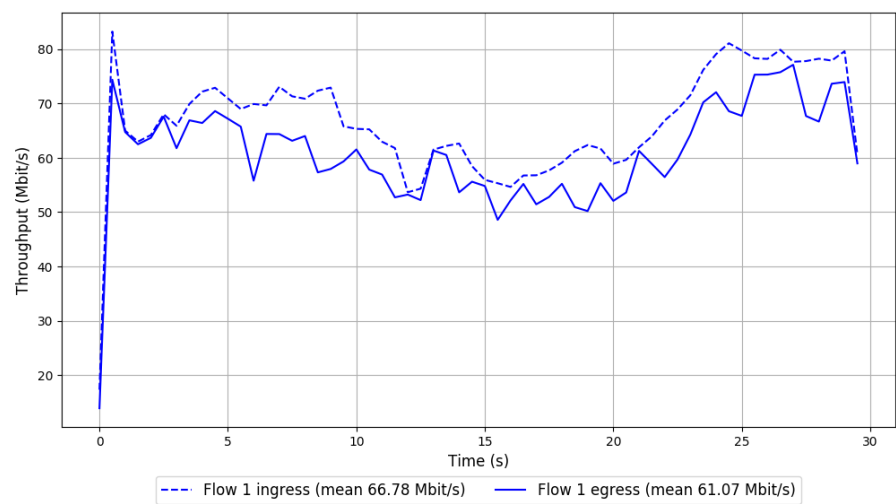


Run 10: Statistics of PCC-Allegro

Start at: 2018-04-17 07:53:39  
End at: 2018-04-17 07:54:09  
Local clock offset: -4.293 ms  
Remote clock offset: -8.936 ms

# Below is generated by plot.py at 2018-04-17 08:38:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 61.07 Mbit/s  
95th percentile per-packet one-way delay: 12.736 ms  
Loss rate: 8.57%  
-- Flow 1:  
Average throughput: 61.07 Mbit/s  
95th percentile per-packet one-way delay: 12.736 ms  
Loss rate: 8.57%

Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-04-17 04:59:59

End at: 2018-04-17 05:00:29

Local clock offset: -6.166 ms

Remote clock offset: -7.936 ms

# Below is generated by plot.py at 2018-04-17 08:38:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 14.46 Mbit/s

95th percentile per-packet one-way delay: 10.767 ms

Loss rate: 2.02%

-- Flow 1:

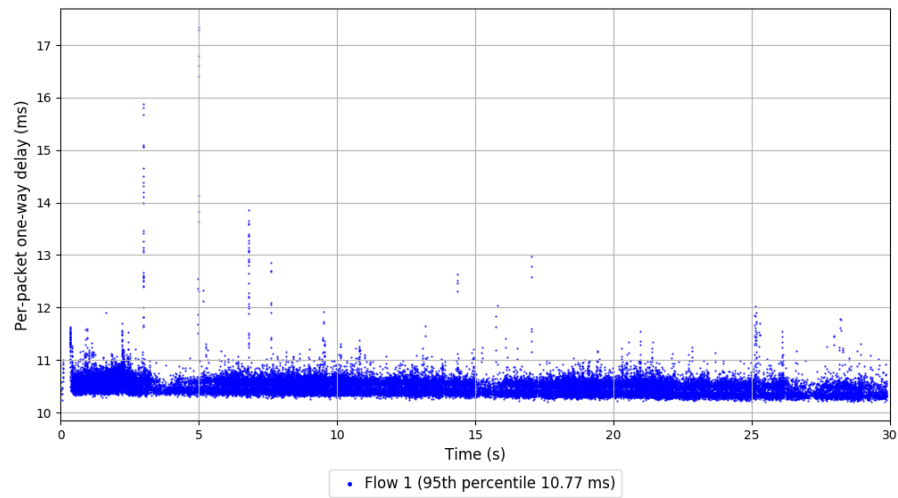
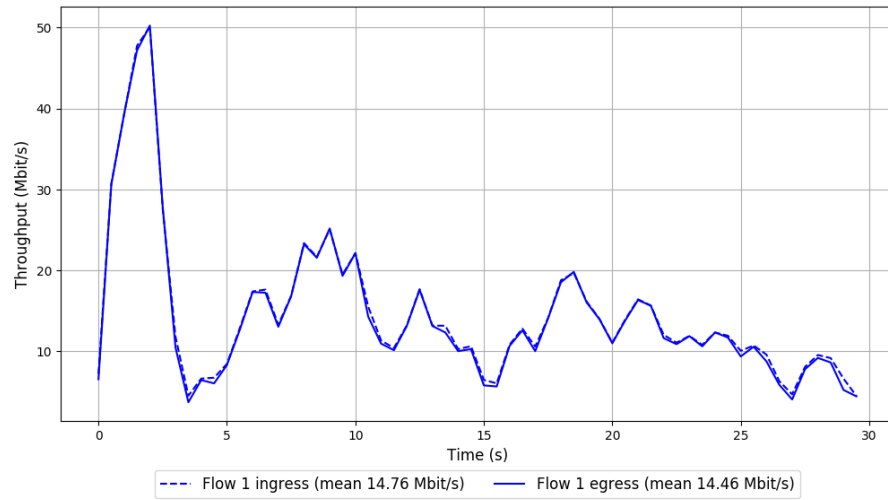
Average throughput: 14.46 Mbit/s

95th percentile per-packet one-way delay: 10.767 ms

Loss rate: 2.02%



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



Run 2: Statistics of QUIC Cubic

Start at: 2018-04-17 05:19:47

End at: 2018-04-17 05:20:17

Local clock offset: -7.951 ms

Remote clock offset: -8.711 ms

# Below is generated by plot.py at 2018-04-17 08:38:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.14 Mbit/s

95th percentile per-packet one-way delay: 10.371 ms

Loss rate: 3.46%

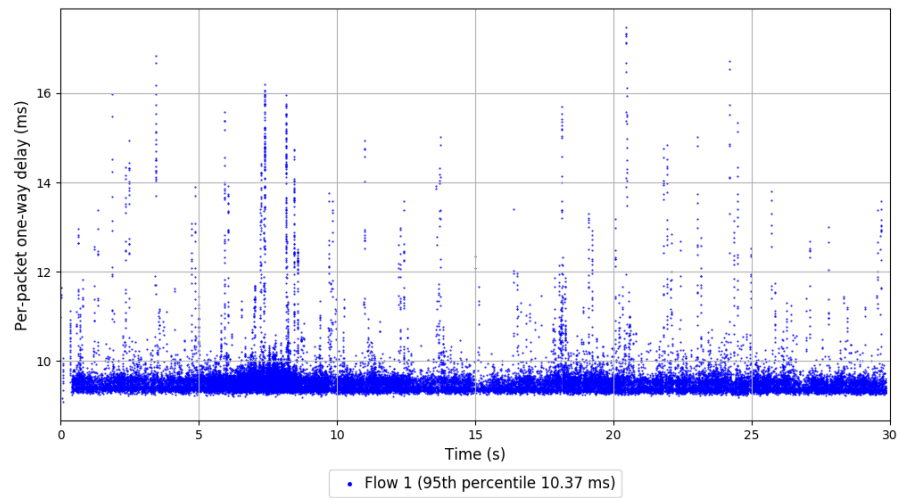
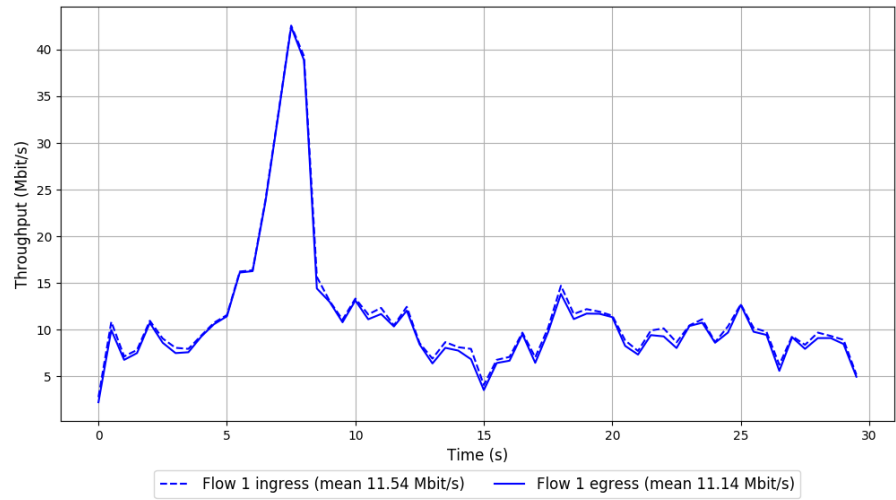
-- Flow 1:

Average throughput: 11.14 Mbit/s

95th percentile per-packet one-way delay: 10.371 ms

Loss rate: 3.46%

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

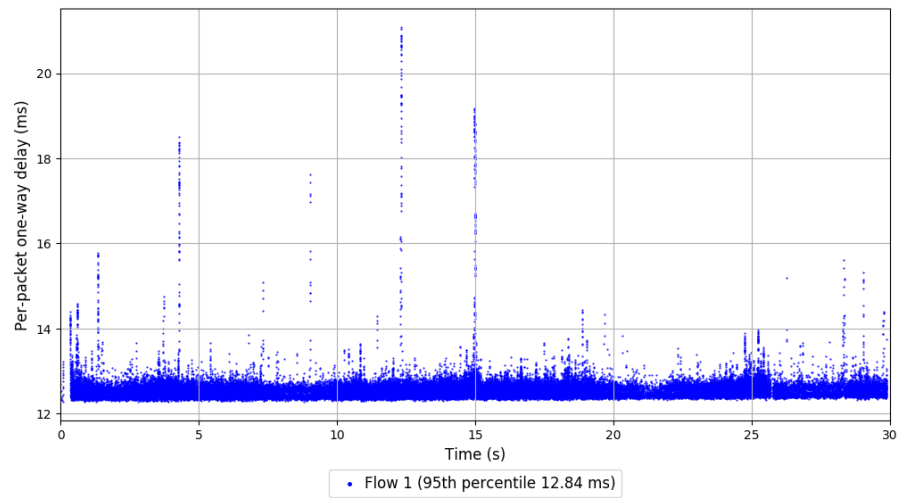
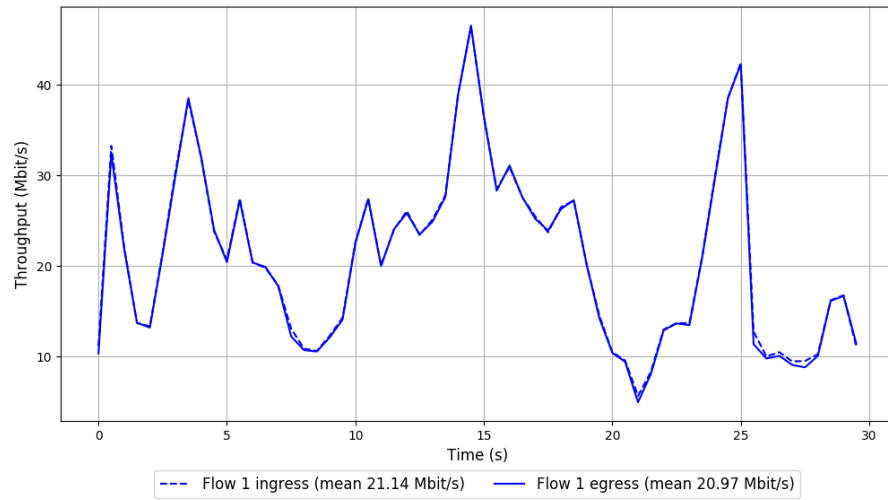


Run 3: Statistics of QUIC Cubic

Start at: 2018-04-17 05:39:41  
End at: 2018-04-17 05:40:11  
Local clock offset: -4.926 ms  
Remote clock offset: -8.591 ms

# Below is generated by plot.py at 2018-04-17 08:38:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 20.97 Mbit/s  
95th percentile per-packet one-way delay: 12.844 ms  
Loss rate: 0.82%  
-- Flow 1:  
Average throughput: 20.97 Mbit/s  
95th percentile per-packet one-way delay: 12.844 ms  
Loss rate: 0.82%

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



Run 4: Statistics of QUIC Cubic

Start at: 2018-04-17 05:59:29

End at: 2018-04-17 05:59:59

Local clock offset: -1.078 ms

Remote clock offset: -7.997 ms

# Below is generated by plot.py at 2018-04-17 08:38:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 21.74 Mbit/s

95th percentile per-packet one-way delay: 6.500 ms

Loss rate: 0.89%

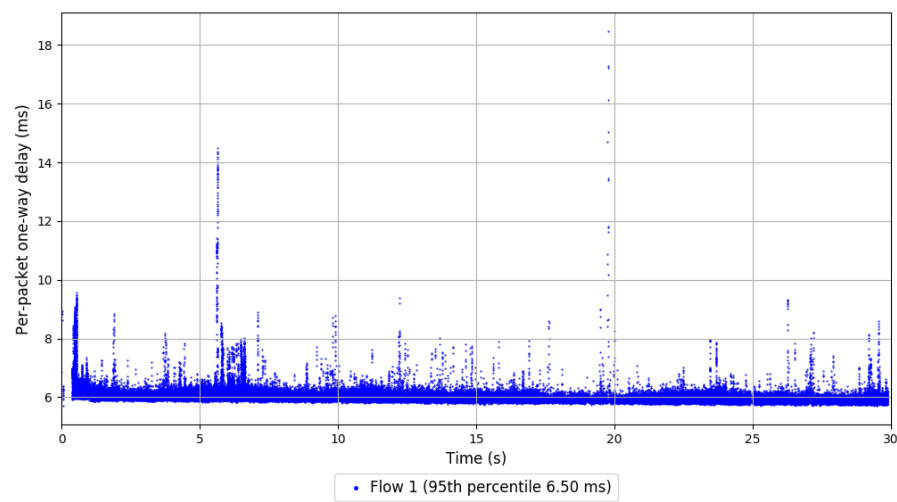
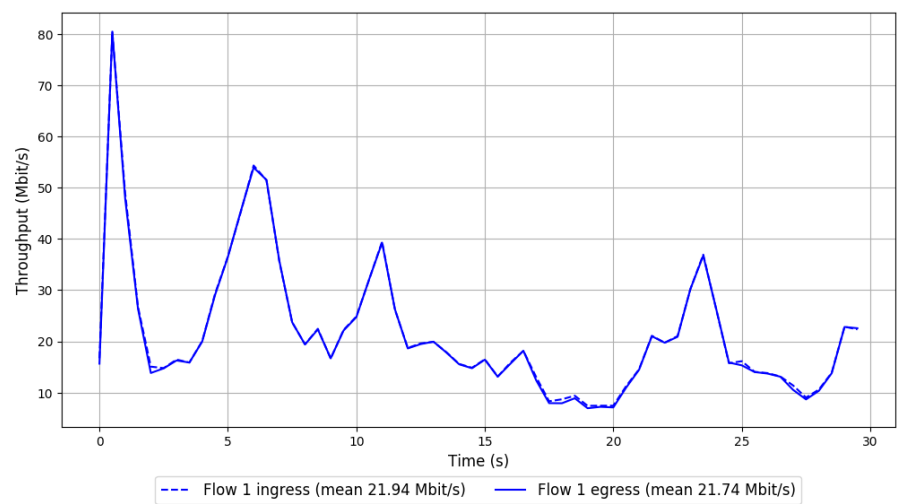
-- Flow 1:

Average throughput: 21.74 Mbit/s

95th percentile per-packet one-way delay: 6.500 ms

Loss rate: 0.89%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2018-04-17 06:19:24

End at: 2018-04-17 06:19:54

Local clock offset: -3.224 ms

Remote clock offset: -5.07 ms

# Below is generated by plot.py at 2018-04-17 08:38:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 41.20 Mbit/s

95th percentile per-packet one-way delay: 10.125 ms

Loss rate: 0.52%

-- Flow 1:

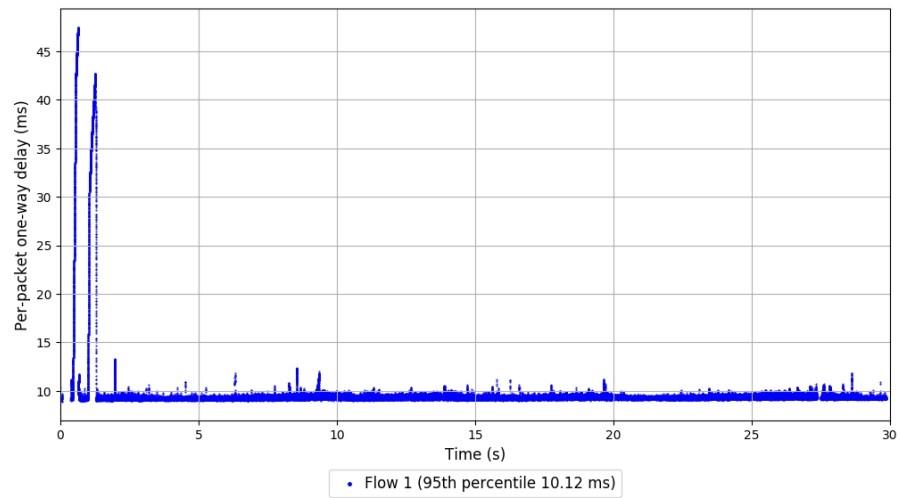
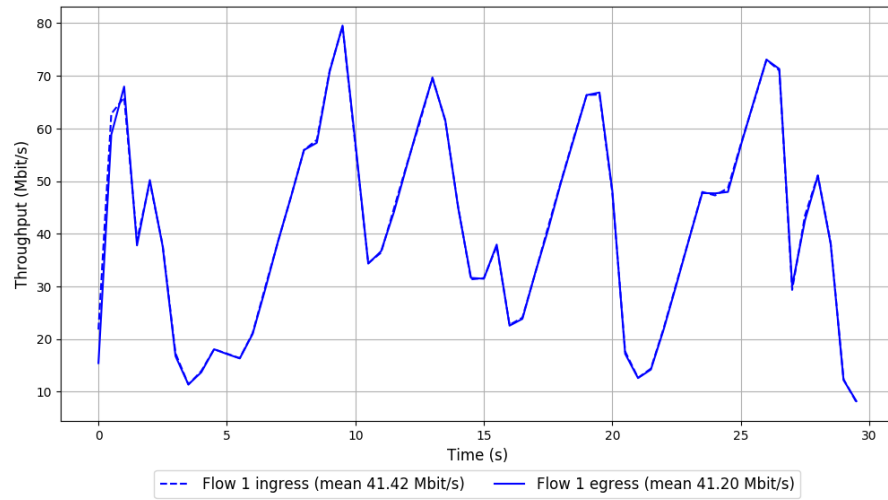
Average throughput: 41.20 Mbit/s

95th percentile per-packet one-way delay: 10.125 ms

Loss rate: 0.52%



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



Run 6: Statistics of QUIC Cubic

Start at: 2018-04-17 06:39:16

End at: 2018-04-17 06:39:46

Local clock offset: -6.999 ms

Remote clock offset: -5.37 ms

# Below is generated by plot.py at 2018-04-17 08:38:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 28.75 Mbit/s

95th percentile per-packet one-way delay: 33.936 ms

Loss rate: 1.16%

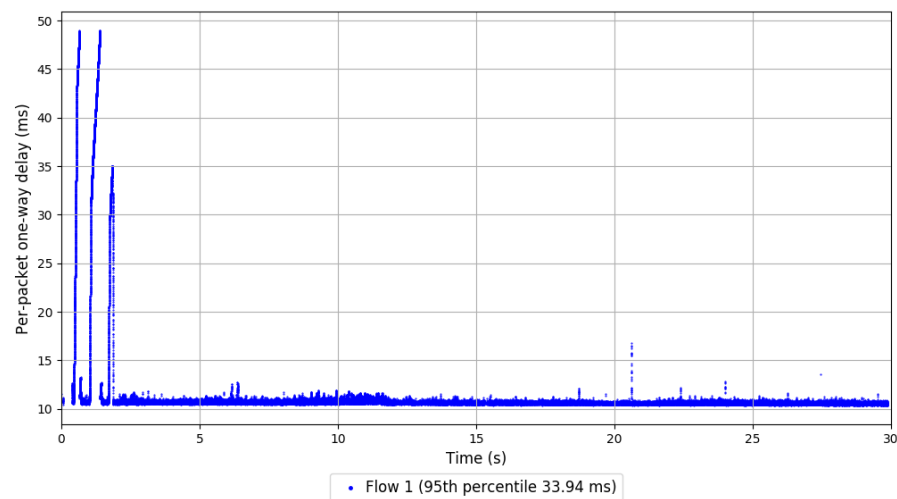
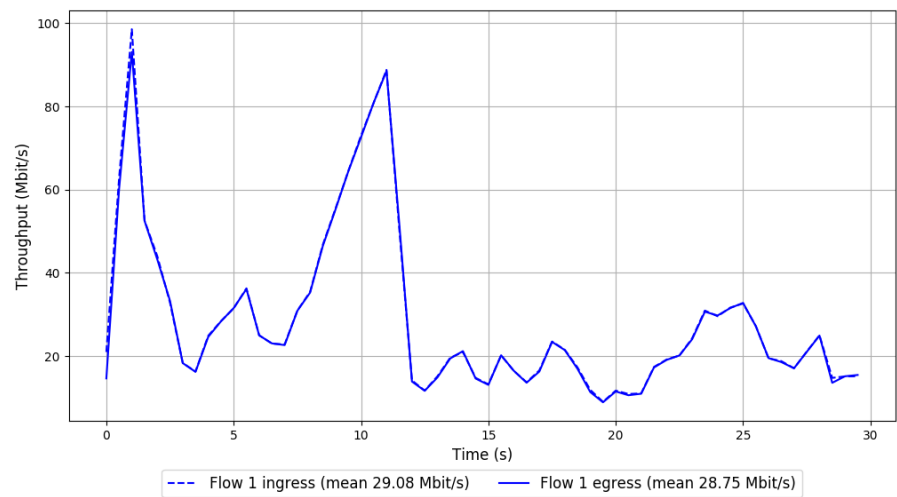
-- Flow 1:

Average throughput: 28.75 Mbit/s

95th percentile per-packet one-way delay: 33.936 ms

Loss rate: 1.16%

Run 6: Report of QUIC Cubic — Data Link

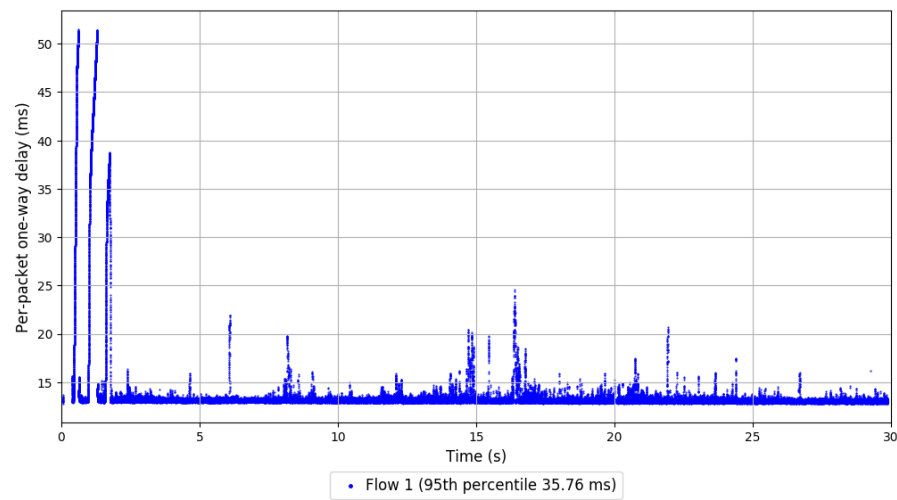
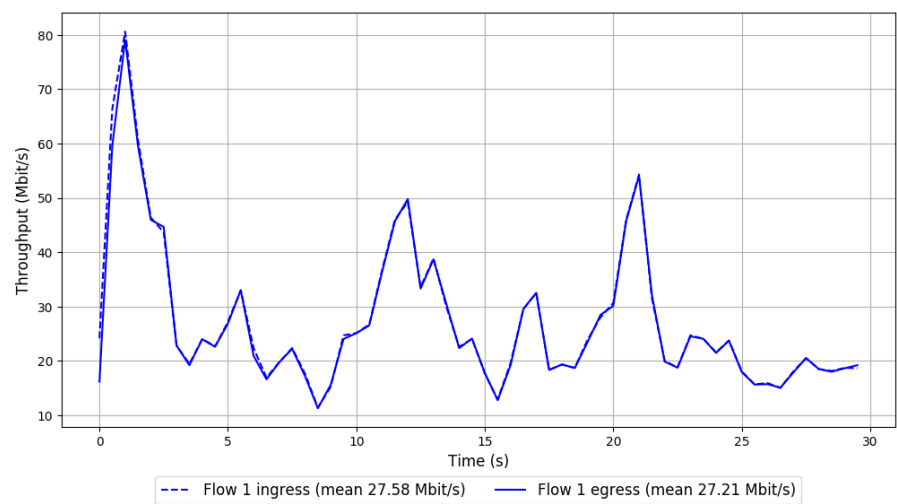


Run 7: Statistics of QUIC Cubic

Start at: 2018-04-17 06:58:58  
End at: 2018-04-17 06:59:28  
Local clock offset: -12.906 ms  
Remote clock offset: -2.95 ms

# Below is generated by plot.py at 2018-04-17 08:38:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 27.21 Mbit/s  
95th percentile per-packet one-way delay: 35.758 ms  
Loss rate: 1.33%  
-- Flow 1:  
Average throughput: 27.21 Mbit/s  
95th percentile per-packet one-way delay: 35.758 ms  
Loss rate: 1.33%

Run 7: Report of QUIC Cubic — Data Link



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-17 07:19:07

End at: 2018-04-17 07:19:37

Local clock offset: -7.245 ms

Remote clock offset: -2.568 ms

# Below is generated by plot.py at 2018-04-17 08:38:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 22.01 Mbit/s

95th percentile per-packet one-way delay: 13.417 ms

Loss rate: 0.80%

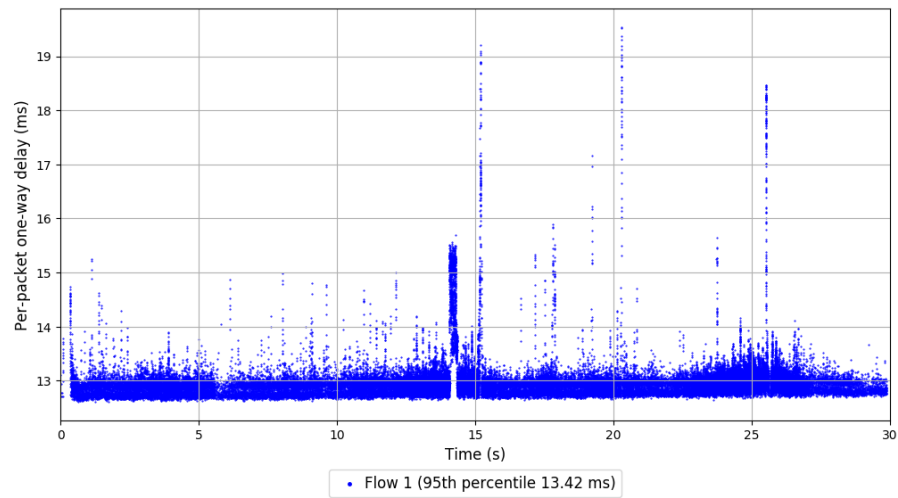
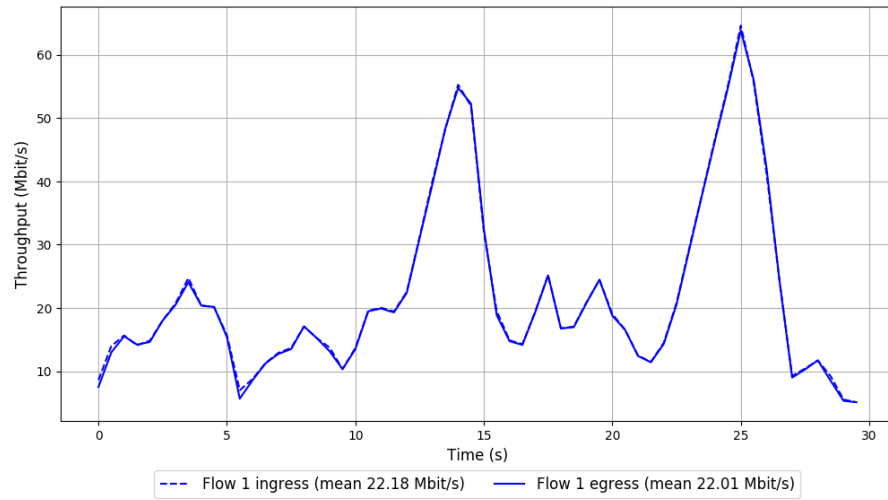
-- Flow 1:

Average throughput: 22.01 Mbit/s

95th percentile per-packet one-way delay: 13.417 ms

Loss rate: 0.80%

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



Run 9: Statistics of QUIC Cubic

Start at: 2018-04-17 07:38:43

End at: 2018-04-17 07:39:13

Local clock offset: -3.509 ms

Remote clock offset: -6.701 ms

# Below is generated by plot.py at 2018-04-17 08:38:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 33.49 Mbit/s

95th percentile per-packet one-way delay: 16.011 ms

Loss rate: 0.58%

-- Flow 1:

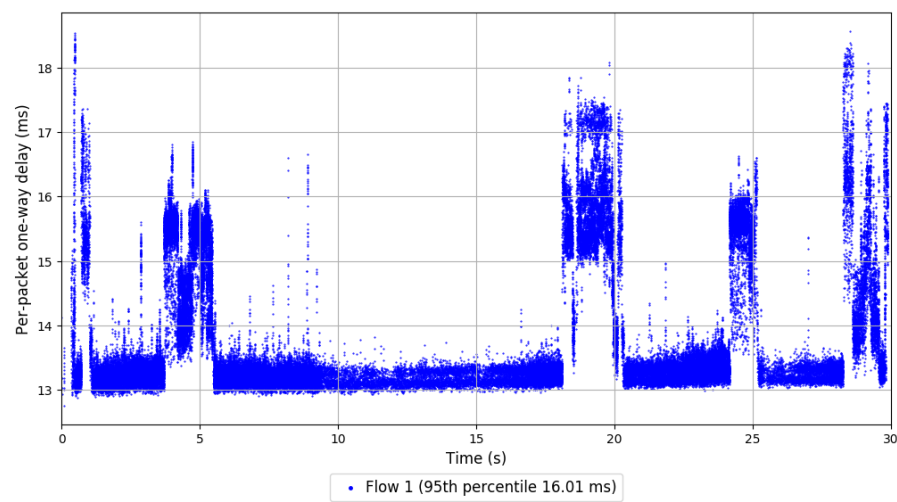
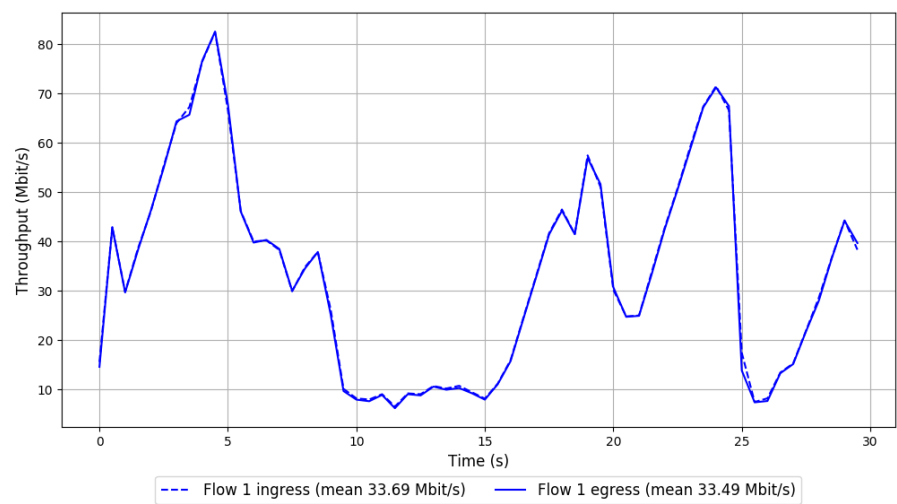
Average throughput: 33.49 Mbit/s

95th percentile per-packet one-way delay: 16.011 ms

Loss rate: 0.58%



Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-17 07:58:26

End at: 2018-04-17 07:58:56

Local clock offset: -6.635 ms

Remote clock offset: -10.334 ms

# Below is generated by plot.py at 2018-04-17 08:38:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 29.66 Mbit/s

95th percentile per-packet one-way delay: 13.830 ms

Loss rate: 0.29%

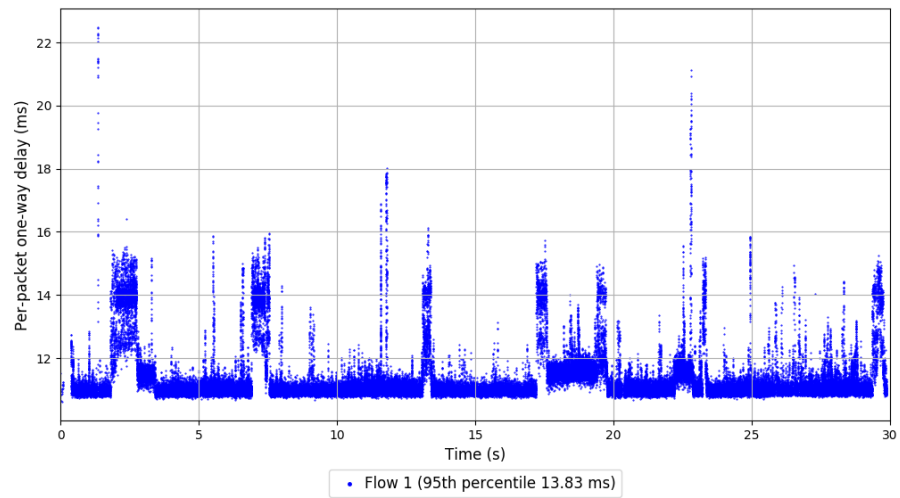
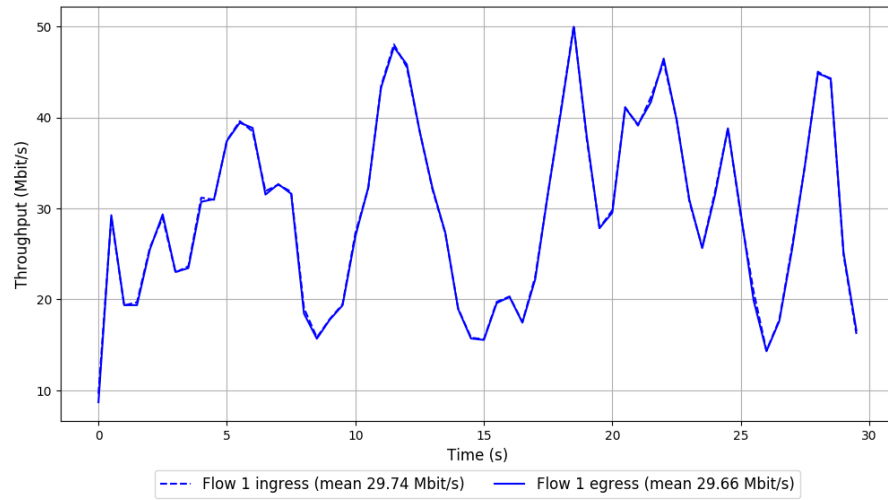
-- Flow 1:

Average throughput: 29.66 Mbit/s

95th percentile per-packet one-way delay: 13.830 ms

Loss rate: 0.29%

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

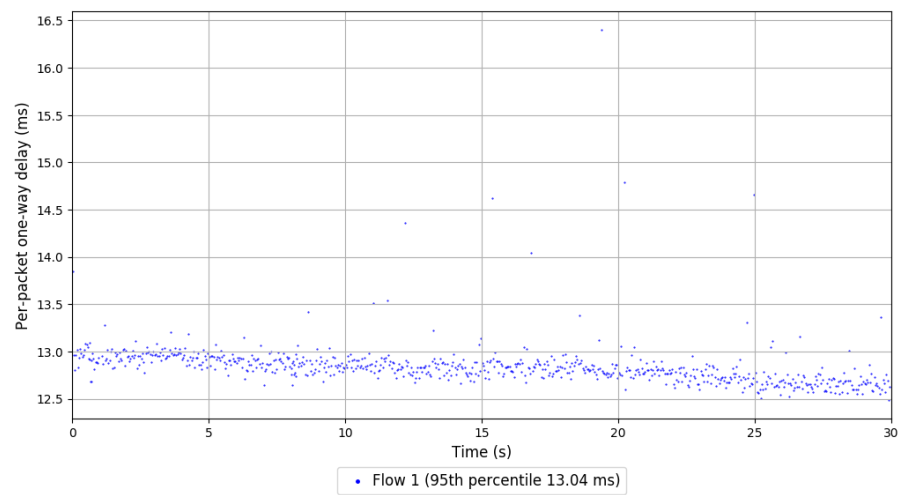
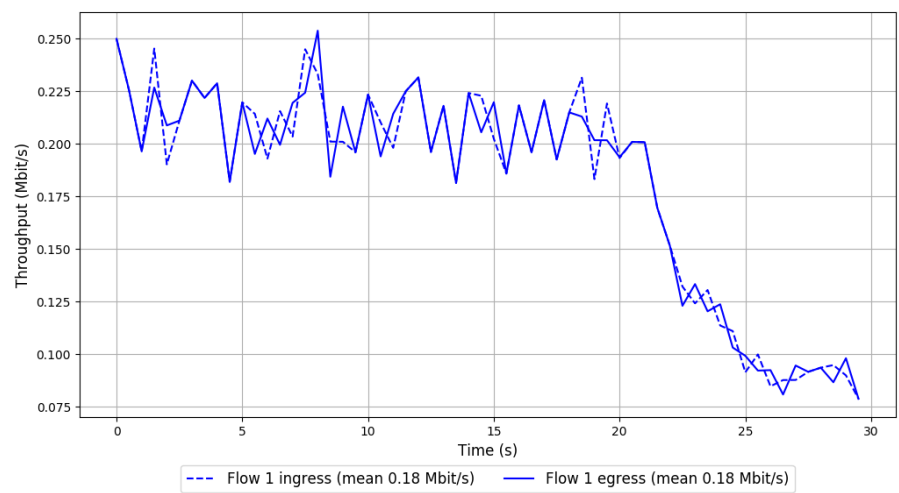


Run 1: Statistics of SCReAM

Start at: 2018-04-17 04:51:34  
End at: 2018-04-17 04:52:04  
Local clock offset: -6.286 ms  
Remote clock offset: -8.355 ms

# Below is generated by plot.py at 2018-04-17 08:38:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.18 Mbit/s  
95th percentile per-packet one-way delay: 13.038 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 0.18 Mbit/s  
95th percentile per-packet one-way delay: 13.038 ms  
Loss rate: 0.16%

Run 1: Report of SReAM — Data Link



Run 2: Statistics of SCReAM

Start at: 2018-04-17 05:11:26

End at: 2018-04-17 05:11:56

Local clock offset: -6.903 ms

Remote clock offset: -8.14 ms

# Below is generated by plot.py at 2018-04-17 08:38:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 12.051 ms

Loss rate: 2.69%

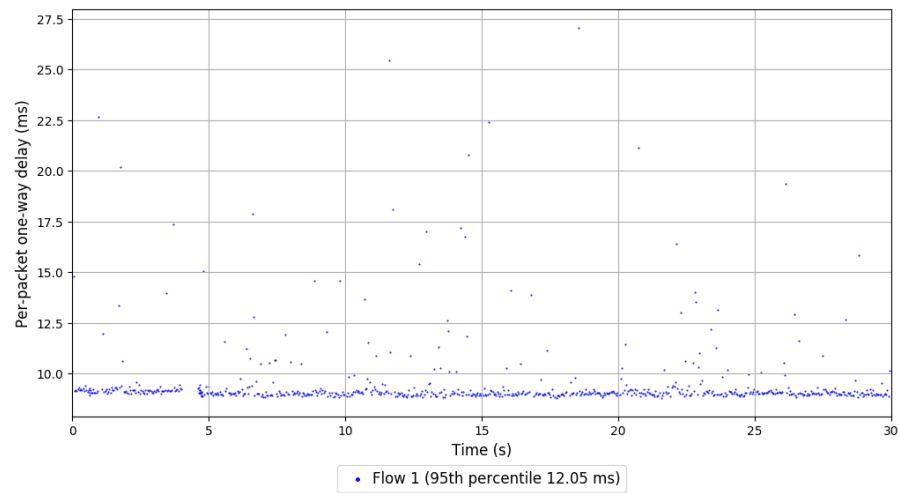
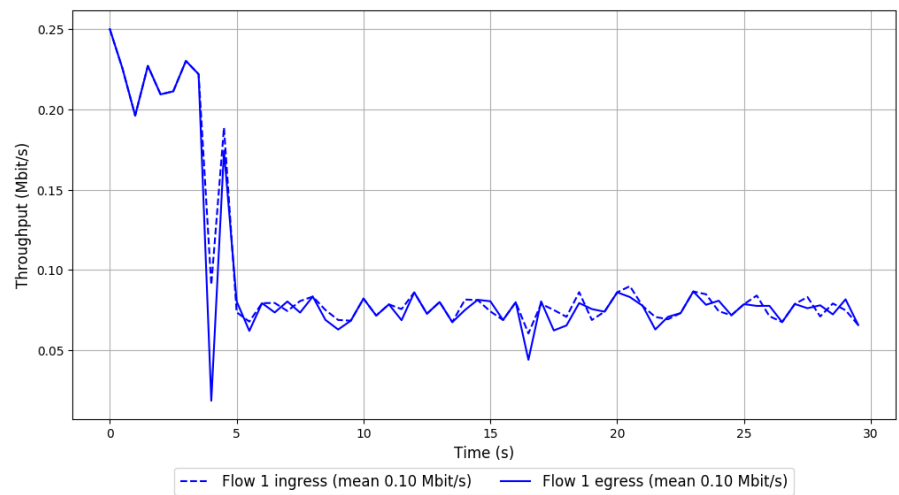
-- Flow 1:

Average throughput: 0.10 Mbit/s

95th percentile per-packet one-way delay: 12.051 ms

Loss rate: 2.69%

Run 2: Report of SReAM — Data Link



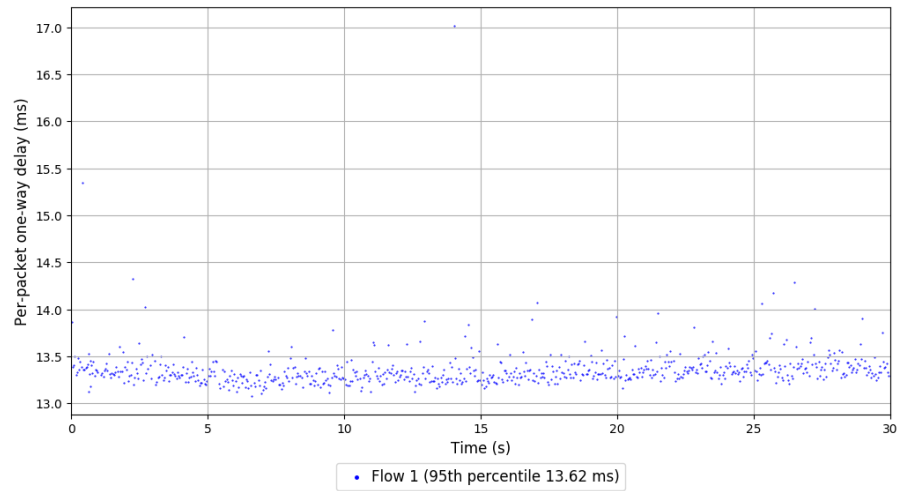
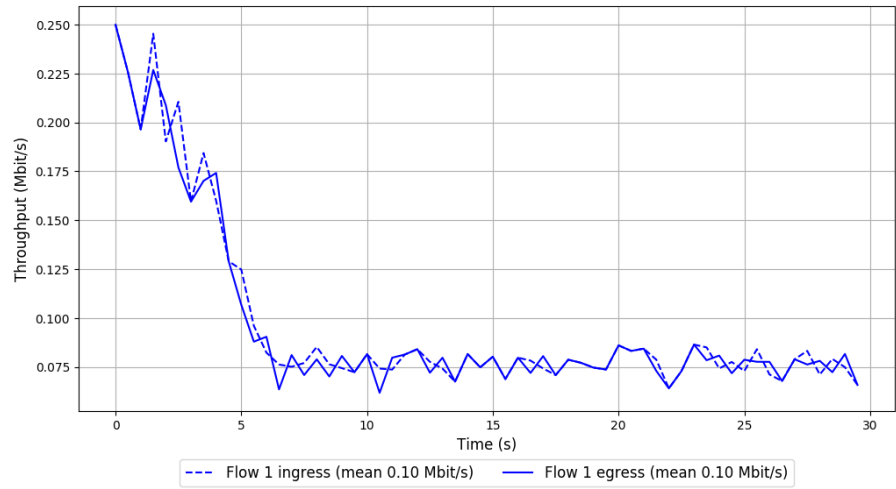
Run 3: Statistics of SCReAM

Start at: 2018-04-17 05:31:12  
End at: 2018-04-17 05:31:42  
Local clock offset: -7.305 ms  
Remote clock offset: -8.568 ms

# Below is generated by plot.py at 2018-04-17 08:38:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.10 Mbit/s  
95th percentile per-packet one-way delay: 13.625 ms  
Loss rate: 1.41%  
-- Flow 1:  
Average throughput: 0.10 Mbit/s  
95th percentile per-packet one-way delay: 13.625 ms  
Loss rate: 1.41%



### Run 3: Report of SReAM — Data Link

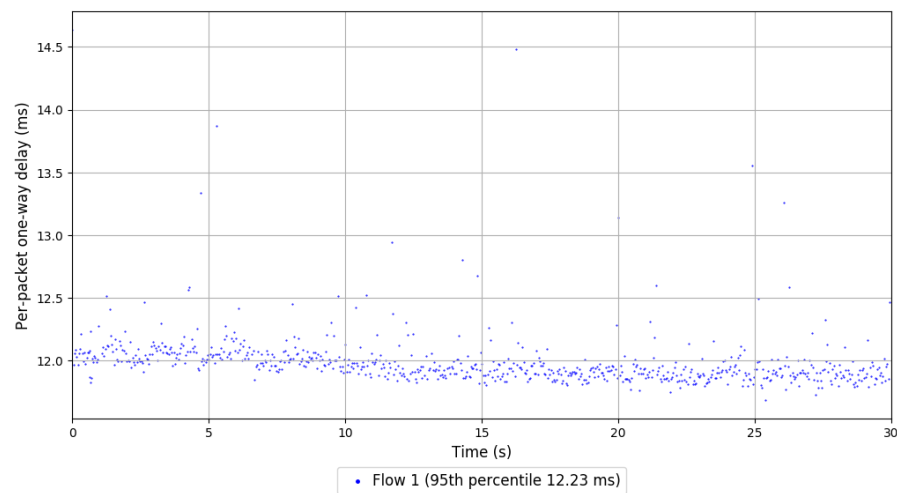
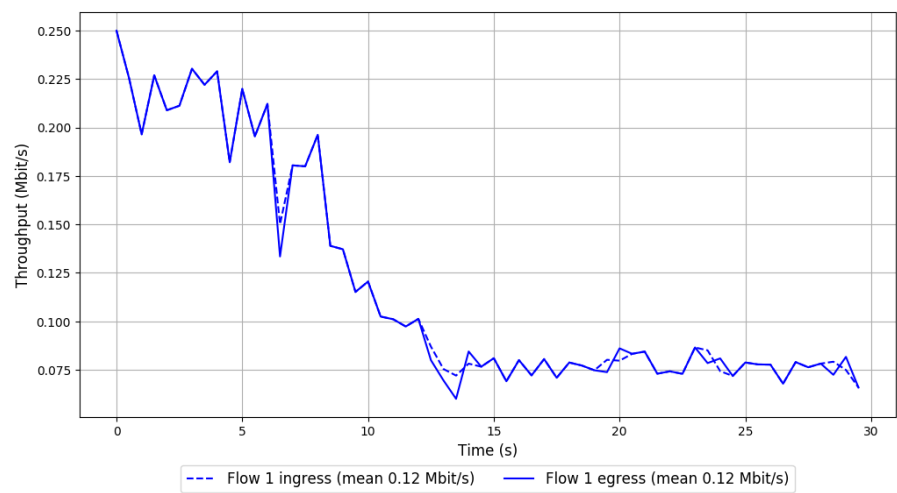


Run 4: Statistics of SCReAM

Start at: 2018-04-17 05:51:10  
End at: 2018-04-17 05:51:40  
Local clock offset: -3.927 ms  
Remote clock offset: -6.794 ms

# Below is generated by plot.py at 2018-04-17 08:38:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.12 Mbit/s  
95th percentile per-packet one-way delay: 12.235 ms  
Loss rate: 0.49%  
-- Flow 1:  
Average throughput: 0.12 Mbit/s  
95th percentile per-packet one-way delay: 12.235 ms  
Loss rate: 0.49%

Run 4: Report of SReAM — Data Link

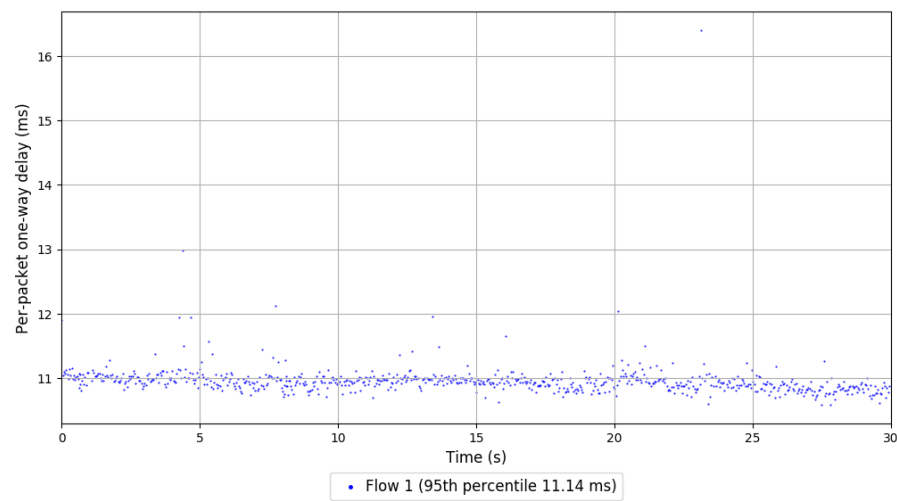
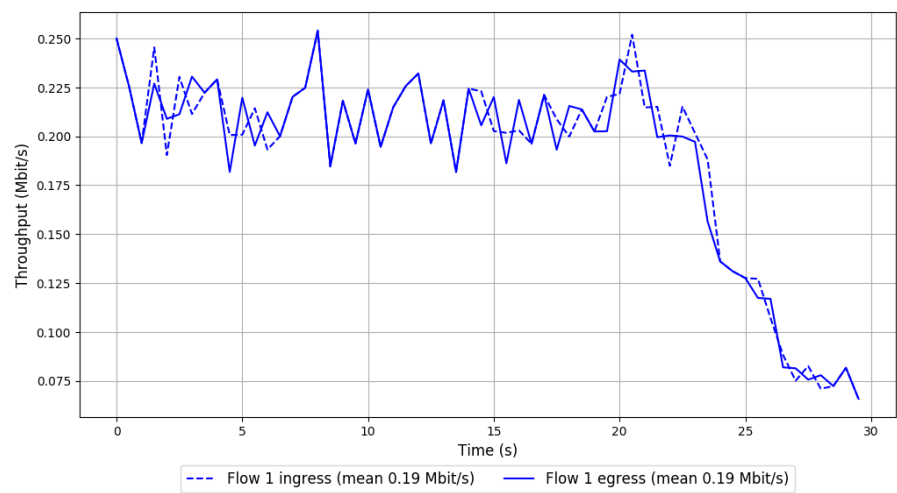


Run 5: Statistics of SCReAM

Start at: 2018-04-17 06:11:03  
End at: 2018-04-17 06:11:33  
Local clock offset: -3.219 ms  
Remote clock offset: -3.467 ms

# Below is generated by plot.py at 2018-04-17 08:38:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.19 Mbit/s  
95th percentile per-packet one-way delay: 11.136 ms  
Loss rate: 0.45%  
-- Flow 1:  
Average throughput: 0.19 Mbit/s  
95th percentile per-packet one-way delay: 11.136 ms  
Loss rate: 0.45%

Run 5: Report of SReAM — Data Link



Run 6: Statistics of SCReAM

Start at: 2018-04-17 06:30:58

End at: 2018-04-17 06:31:28

Local clock offset: -6.241 ms

Remote clock offset: -6.22 ms

# Below is generated by plot.py at 2018-04-17 08:38:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.713 ms

Loss rate: 0.00%

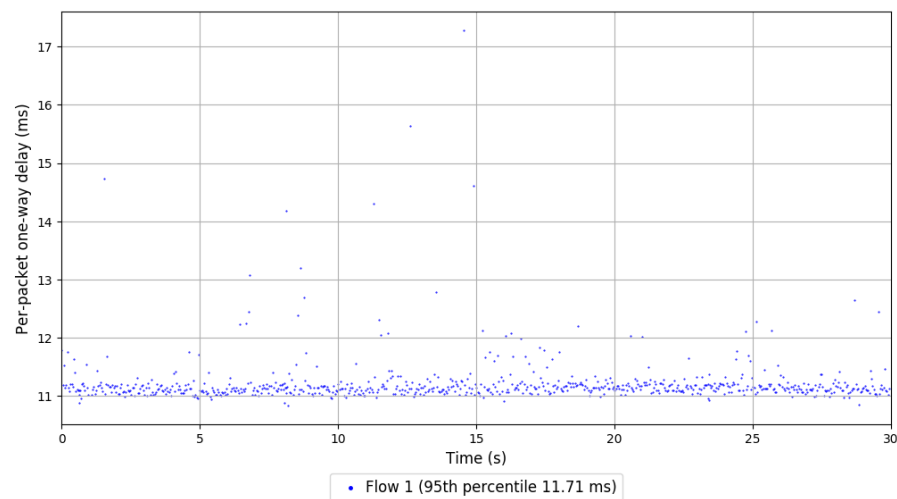
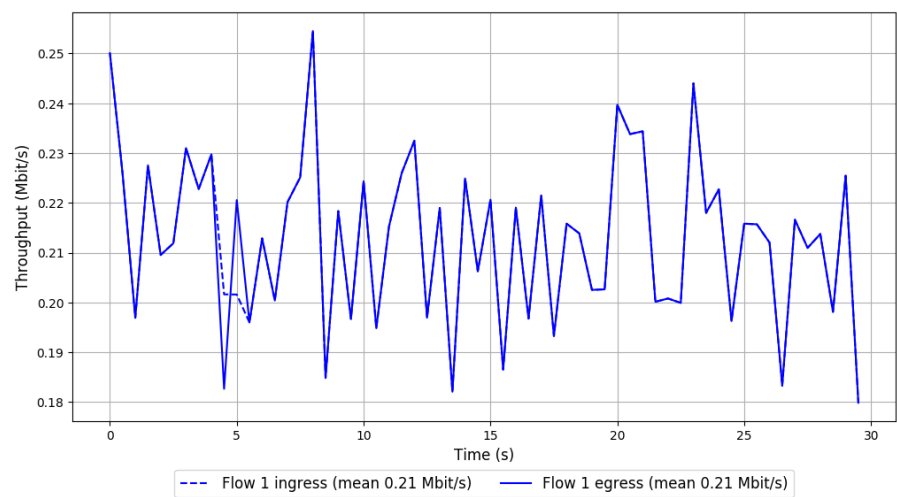
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 11.713 ms

Loss rate: 0.00%

Run 6: Report of SCRaM — Data Link



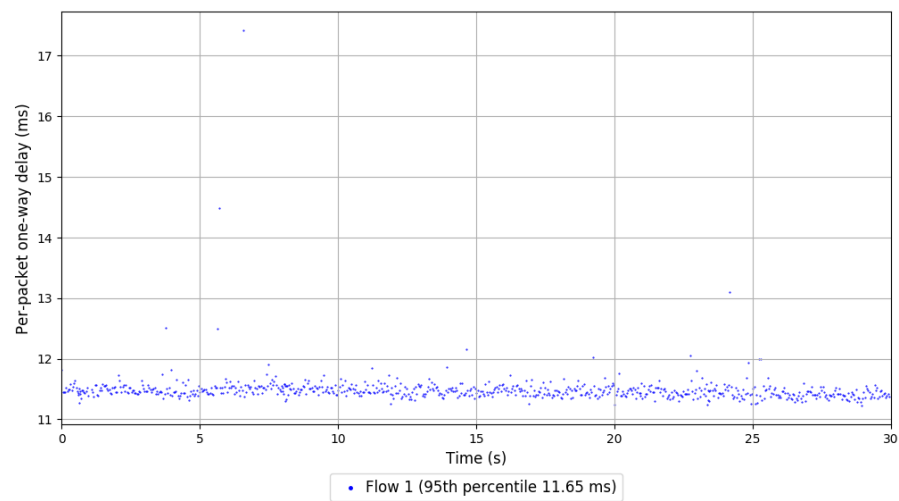
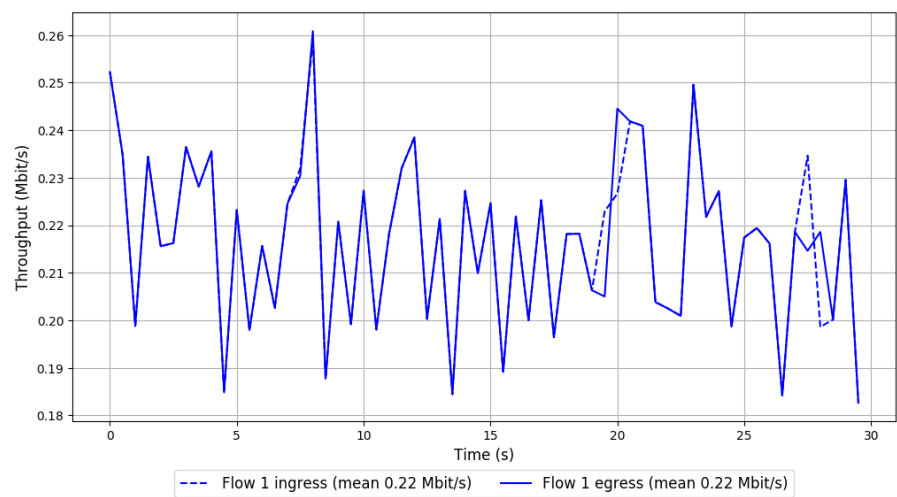
Run 7: Statistics of SCReAM

Start at: 2018-04-17 06:50:46  
End at: 2018-04-17 06:51:16  
Local clock offset: -9.557 ms  
Remote clock offset: -4.879 ms

# Below is generated by plot.py at 2018-04-17 08:38:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 11.650 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 11.650 ms  
Loss rate: 0.00%



Run 7: Report of SReAM — Data Link

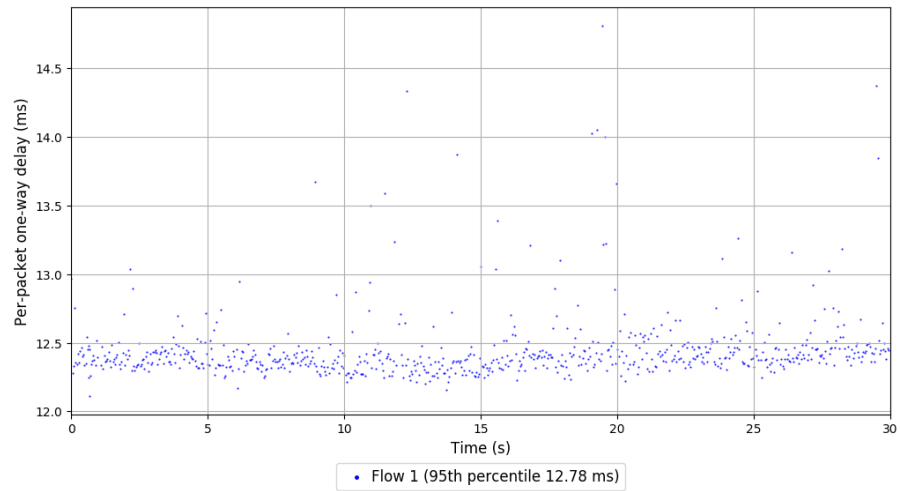
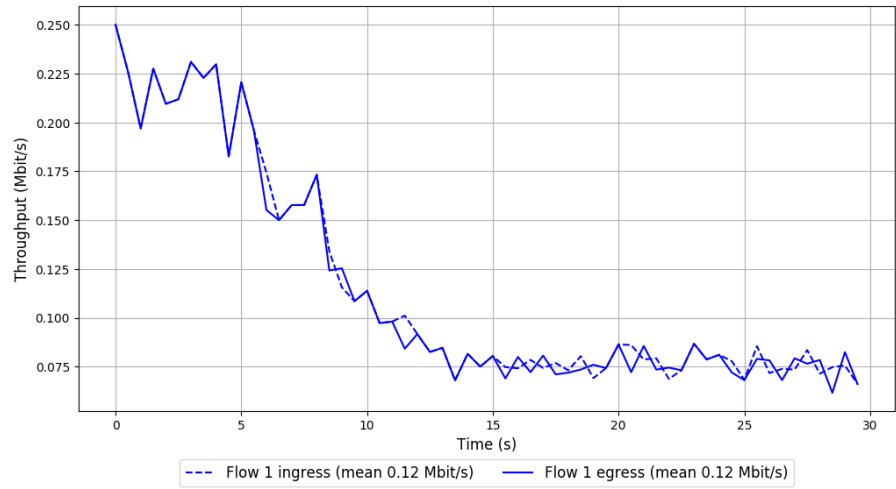


Run 8: Statistics of SCReAM

Start at: 2018-04-17 07:10:45  
End at: 2018-04-17 07:11:15  
Local clock offset: -9.71 ms  
Remote clock offset: -2.035 ms

# Below is generated by plot.py at 2018-04-17 08:38:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.12 Mbit/s  
95th percentile per-packet one-way delay: 12.775 ms  
Loss rate: 0.89%  
-- Flow 1:  
Average throughput: 0.12 Mbit/s  
95th percentile per-packet one-way delay: 12.775 ms  
Loss rate: 0.89%

## Run 8: Report of SReAM — Data Link

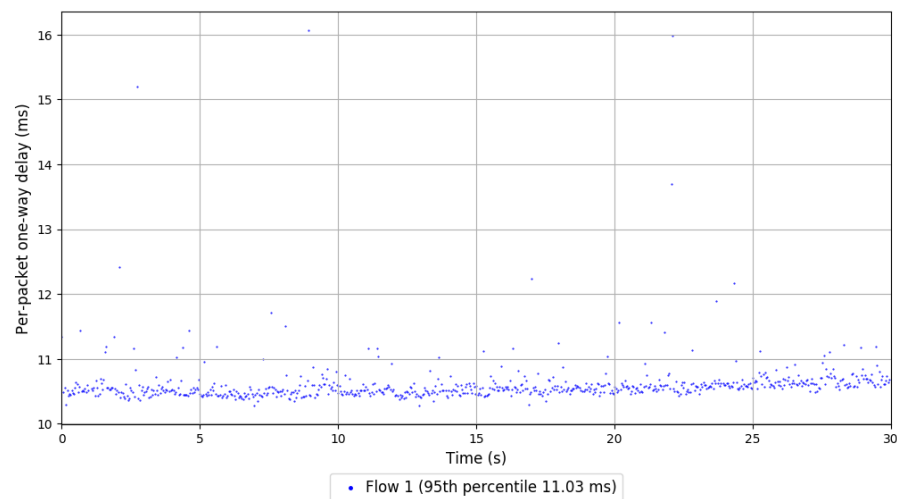
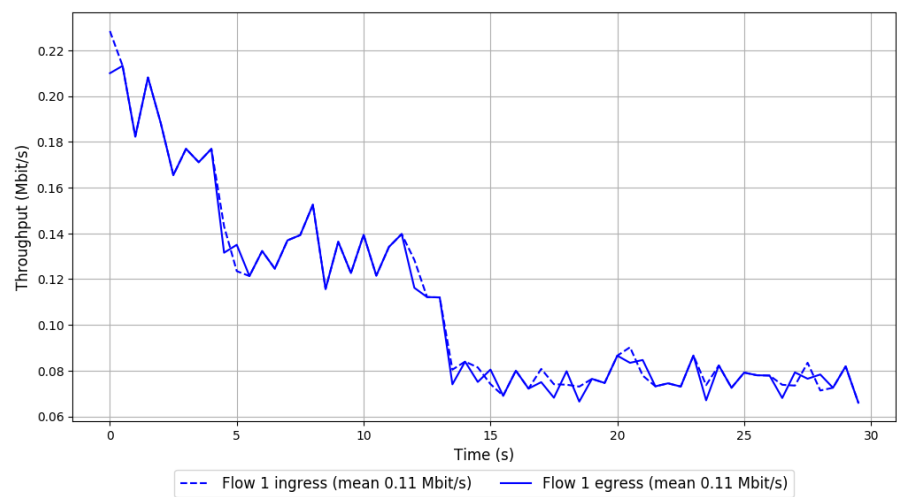


Run 9: Statistics of SCReAM

Start at: 2018-04-17 07:30:35  
End at: 2018-04-17 07:31:05  
Local clock offset: -3.276 ms  
Remote clock offset: -4.692 ms

# Below is generated by plot.py at 2018-04-17 08:38:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.11 Mbit/s  
95th percentile per-packet one-way delay: 11.028 ms  
Loss rate: 0.85%  
-- Flow 1:  
Average throughput: 0.11 Mbit/s  
95th percentile per-packet one-way delay: 11.028 ms  
Loss rate: 0.85%

Run 9: Report of SReAM — Data Link

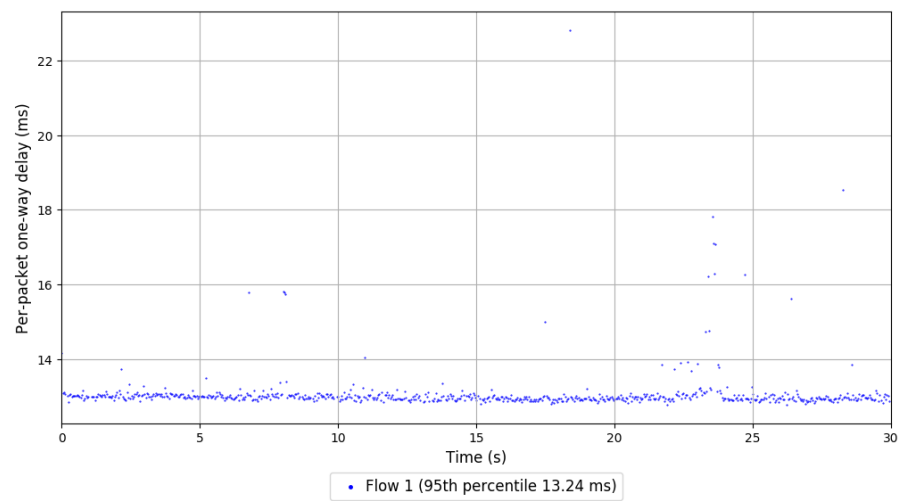
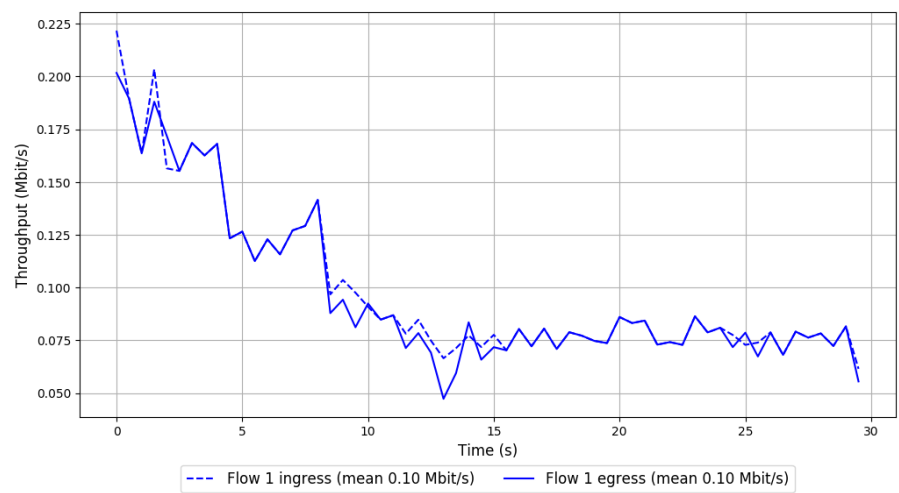


Run 10: Statistics of SReAM

Start at: 2018-04-17 07:50:12  
End at: 2018-04-17 07:50:42  
Local clock offset: -6.134 ms  
Remote clock offset: -8.588 ms

# Below is generated by plot.py at 2018-04-17 08:38:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.10 Mbit/s  
95th percentile per-packet one-way delay: 13.245 ms  
Loss rate: 2.03%  
-- Flow 1:  
Average throughput: 0.10 Mbit/s  
95th percentile per-packet one-way delay: 13.245 ms  
Loss rate: 2.03%

Run 10: Report of SReAM — Data Link



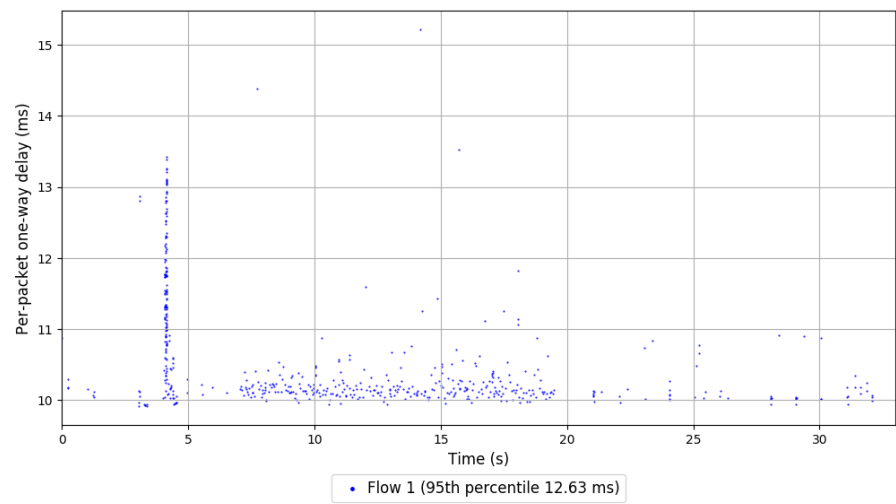
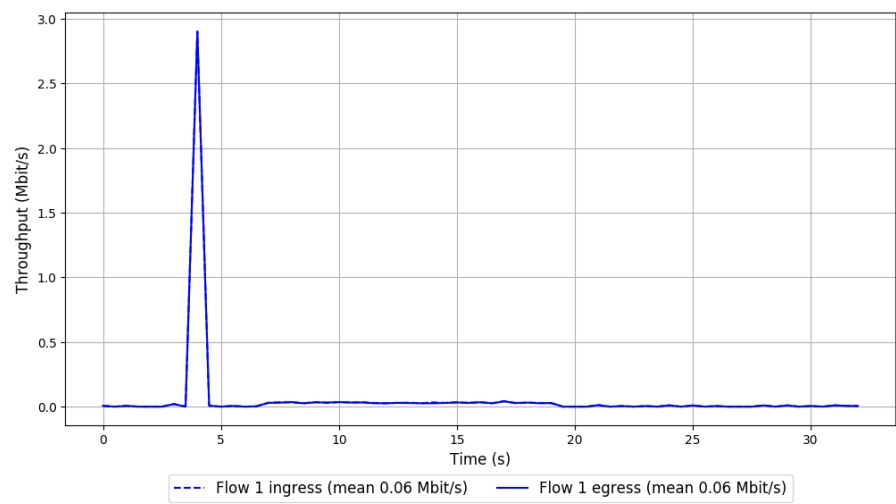
Run 1: Statistics of WebRTC media

Start at: 2018-04-17 04:58:54  
End at: 2018-04-17 04:59:24  
Local clock offset: -5.349 ms  
Remote clock offset: -7.082 ms

# Below is generated by plot.py at 2018-04-17 08:38:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 12.628 ms  
Loss rate: 0.46%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 12.628 ms  
Loss rate: 0.46%



Run 1: Report of WebRTC media — Data Link

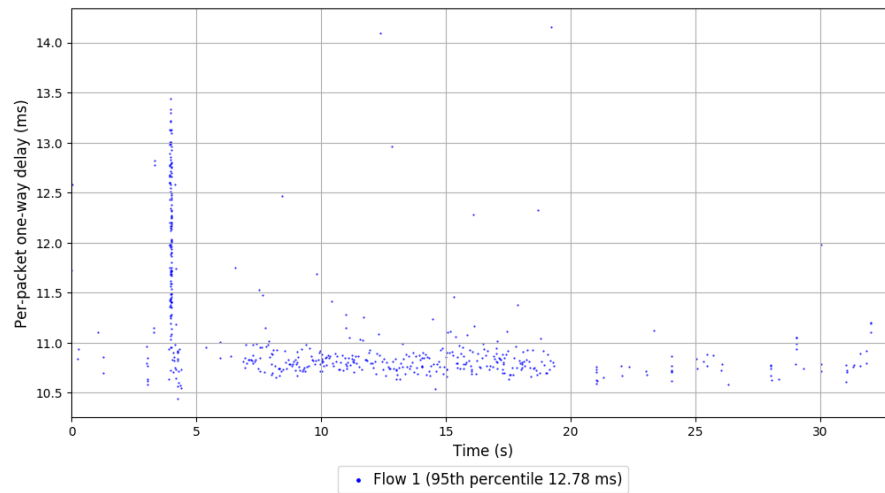
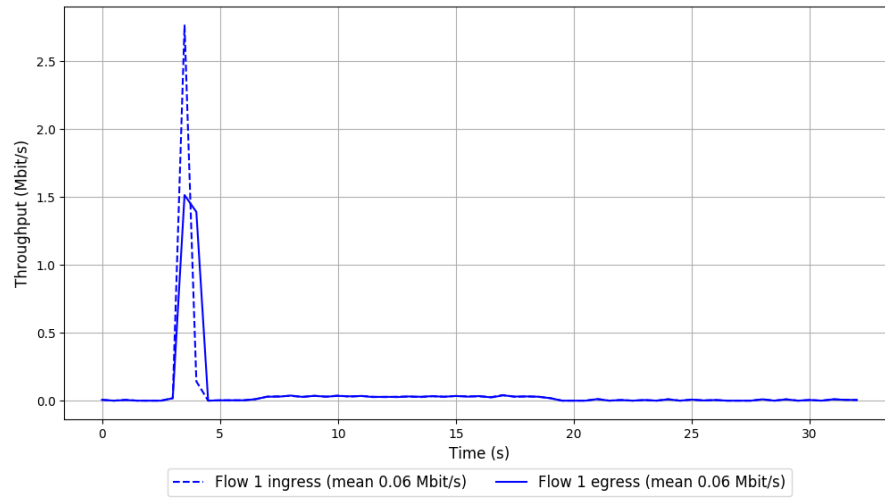


Run 2: Statistics of WebRTC media

Start at: 2018-04-17 05:18:42  
End at: 2018-04-17 05:19:12  
Local clock offset: -9.302 ms  
Remote clock offset: -8.655 ms

# Below is generated by plot.py at 2018-04-17 08:38:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 12.777 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 12.777 ms  
Loss rate: 0.15%

## Run 2: Report of WebRTC media — Data Link

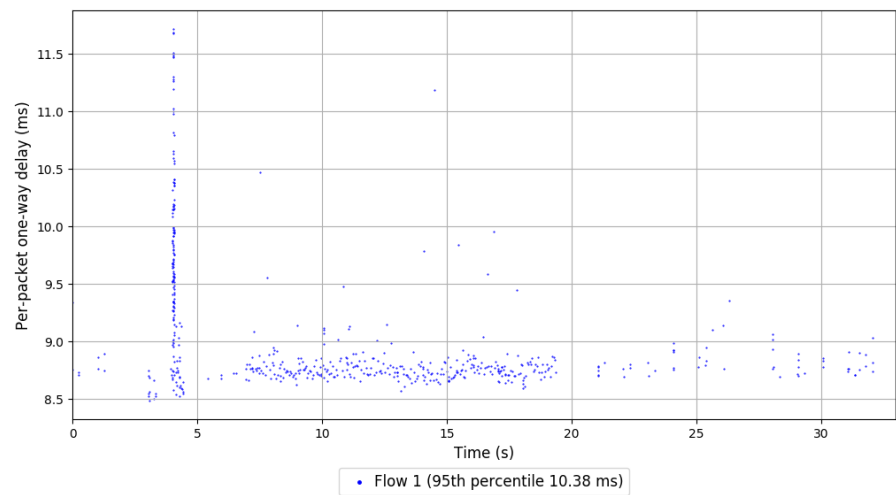
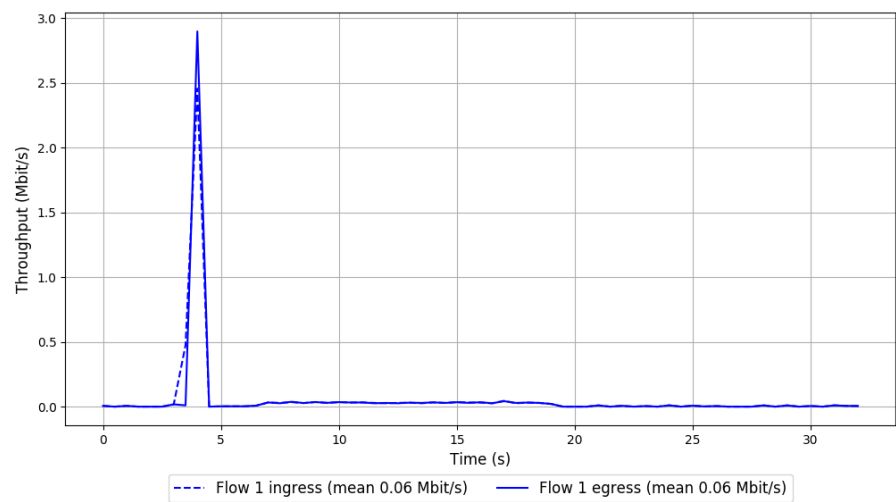


Run 3: Statistics of WebRTC media

Start at: 2018-04-17 05:38:31  
End at: 2018-04-17 05:39:01  
Local clock offset: -2.219 ms  
Remote clock offset: -9.385 ms

# Below is generated by plot.py at 2018-04-17 08:38:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 10.377 ms  
Loss rate: 0.63%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 10.377 ms  
Loss rate: 0.63%

Run 3: Report of WebRTC media — Data Link

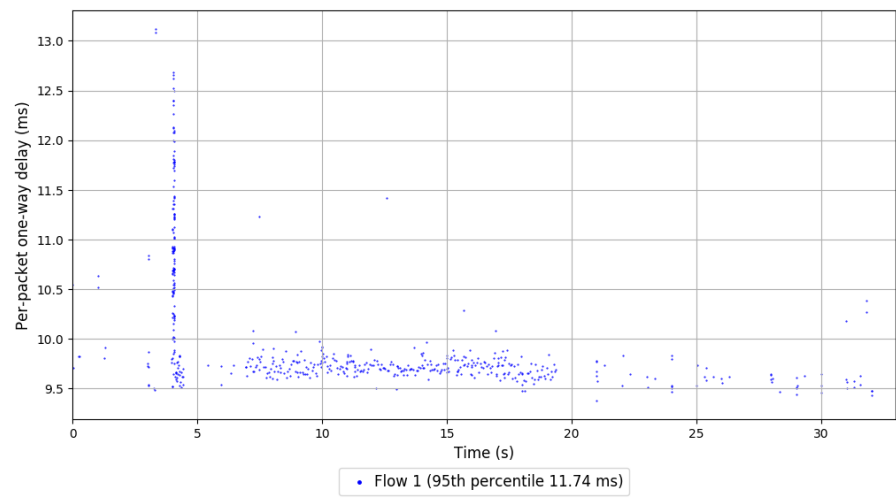
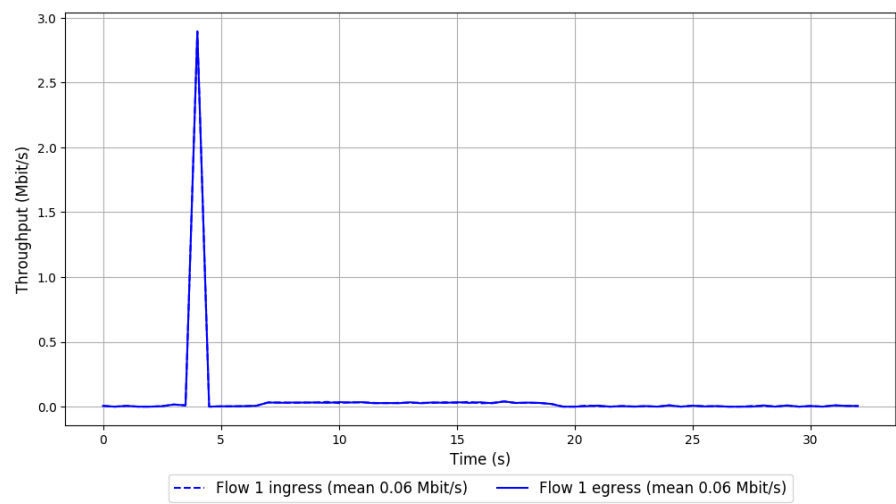


Run 4: Statistics of WebRTC media

Start at: 2018-04-17 05:58:25  
End at: 2018-04-17 05:58:55  
Local clock offset: -1.736 ms  
Remote clock offset: -5.789 ms

# Below is generated by plot.py at 2018-04-17 08:38:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 11.741 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 11.741 ms  
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link



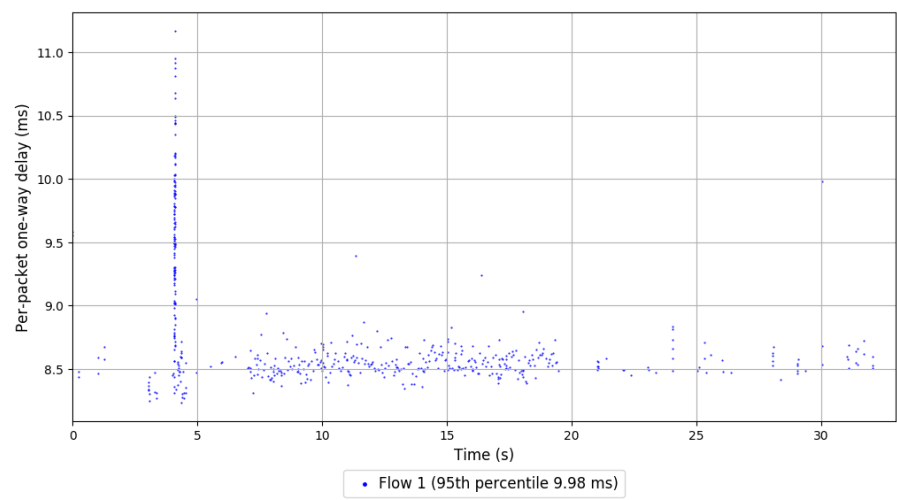
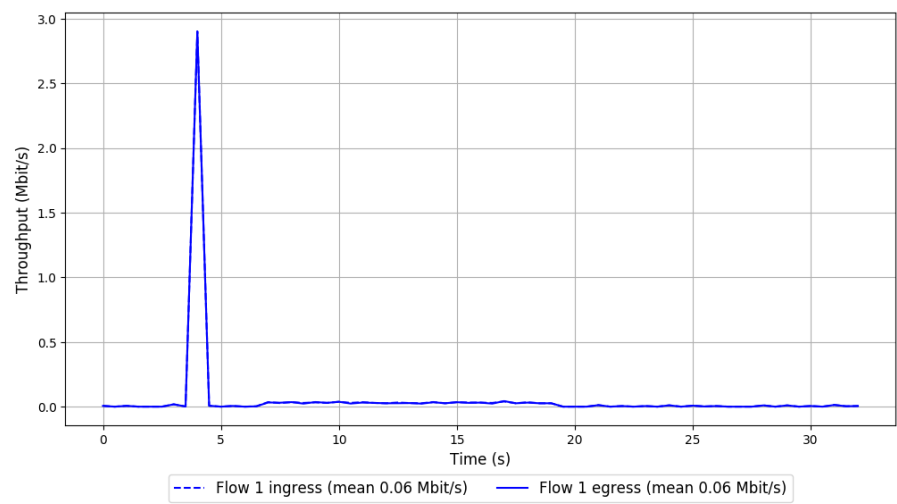
Run 5: Statistics of WebRTC media

Start at: 2018-04-17 06:18:19  
End at: 2018-04-17 06:18:49  
Local clock offset: -3.438 ms  
Remote clock offset: -5.675 ms

# Below is generated by plot.py at 2018-04-17 08:38:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 9.981 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 9.981 ms  
Loss rate: 0.73%



Run 5: Report of WebRTC media — Data Link

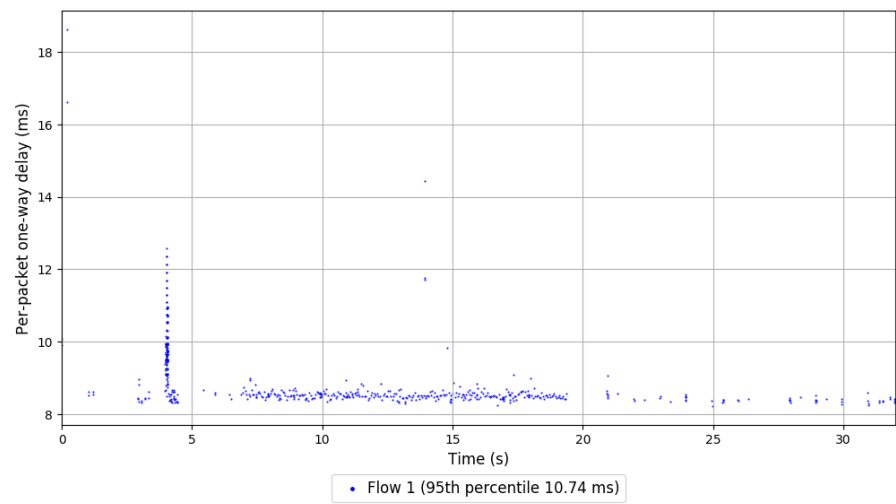
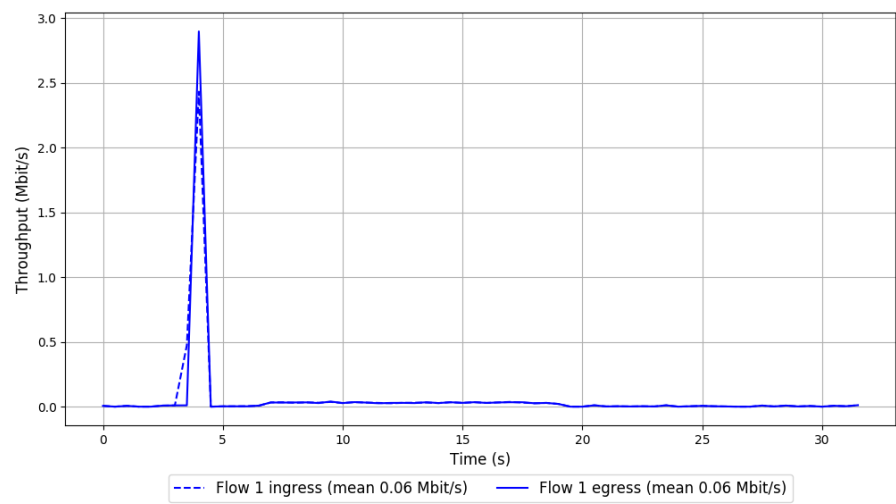


Run 6: Statistics of WebRTC media

Start at: 2018-04-17 06:38:11  
End at: 2018-04-17 06:38:41  
Local clock offset: -6.236 ms  
Remote clock offset: -5.868 ms

# Below is generated by plot.py at 2018-04-17 08:38:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 10.745 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 10.745 ms  
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

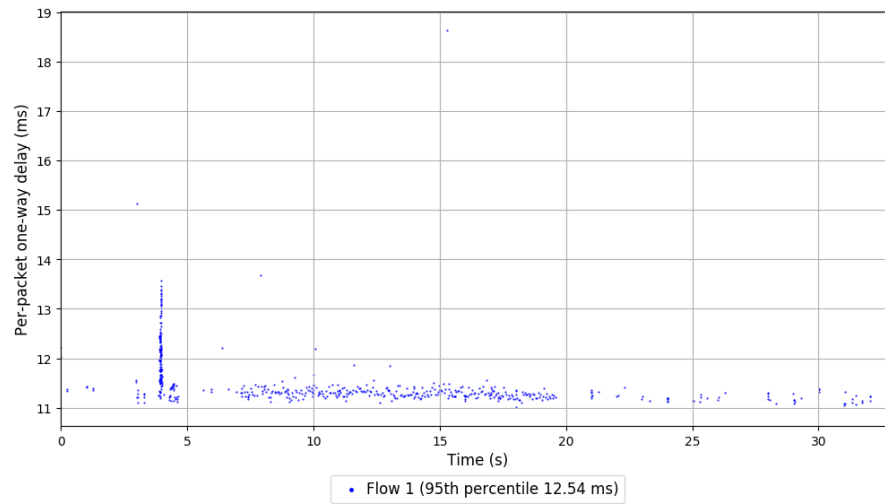
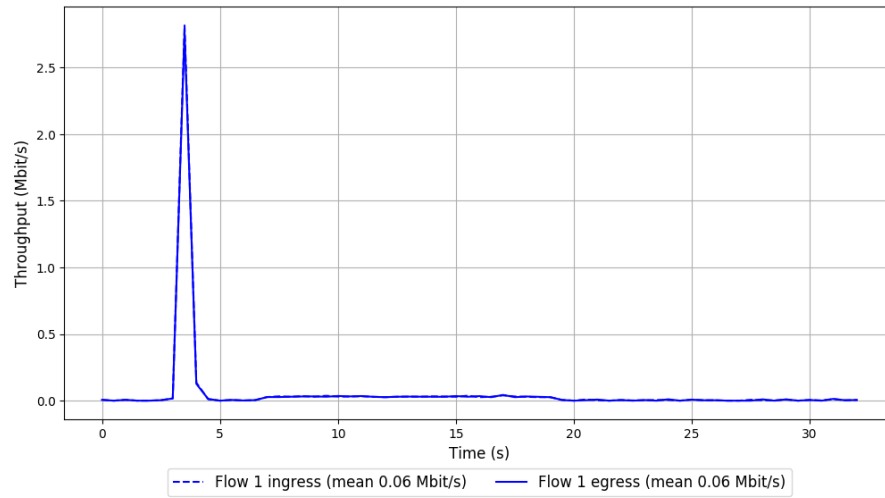


Run 7: Statistics of WebRTC media

Start at: 2018-04-17 06:57:53  
End at: 2018-04-17 06:58:23  
Local clock offset: -10.657 ms  
Remote clock offset: -3.773 ms

# Below is generated by plot.py at 2018-04-17 08:38:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 12.545 ms  
Loss rate: 1.55%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 12.545 ms  
Loss rate: 1.55%

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

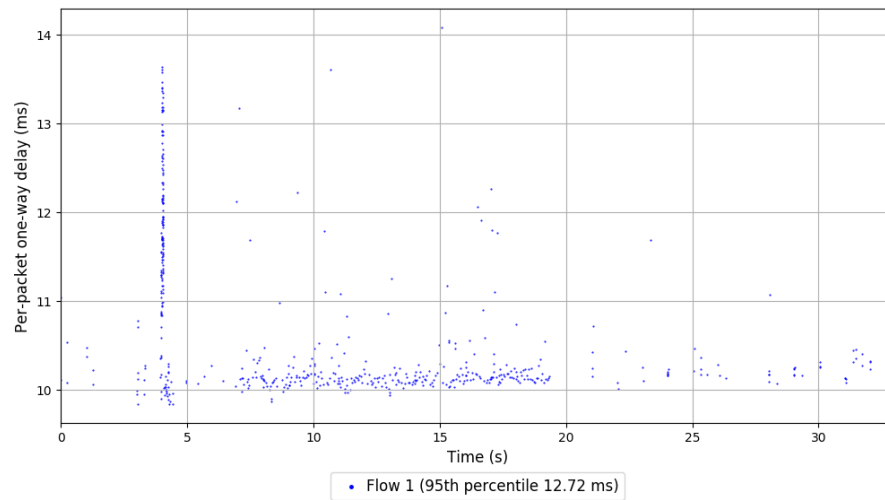
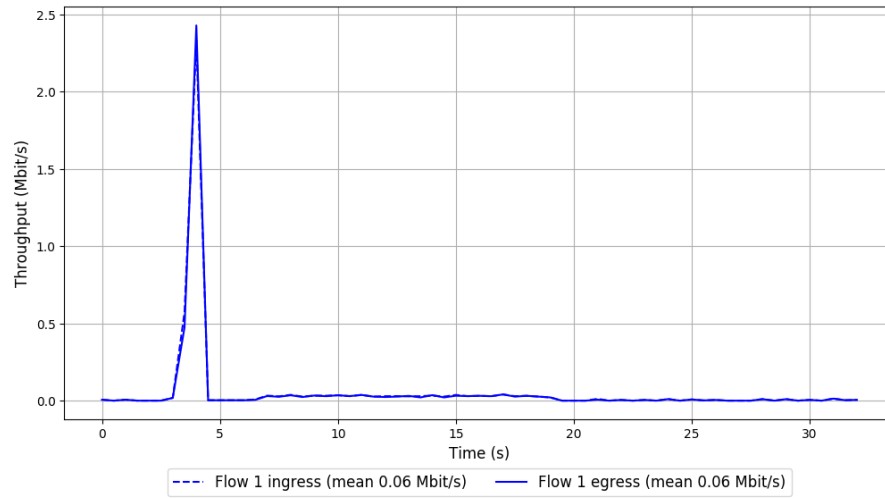


Run 8: Statistics of WebRTC media

Start at: 2018-04-17 07:18:02  
End at: 2018-04-17 07:18:32  
Local clock offset: -5.341 ms  
Remote clock offset: -1.987 ms

# Below is generated by plot.py at 2018-04-17 08:38:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 12.716 ms  
Loss rate: 1.17%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 12.716 ms  
Loss rate: 1.17%

## Run 8: Report of WebRTC media — Data Link



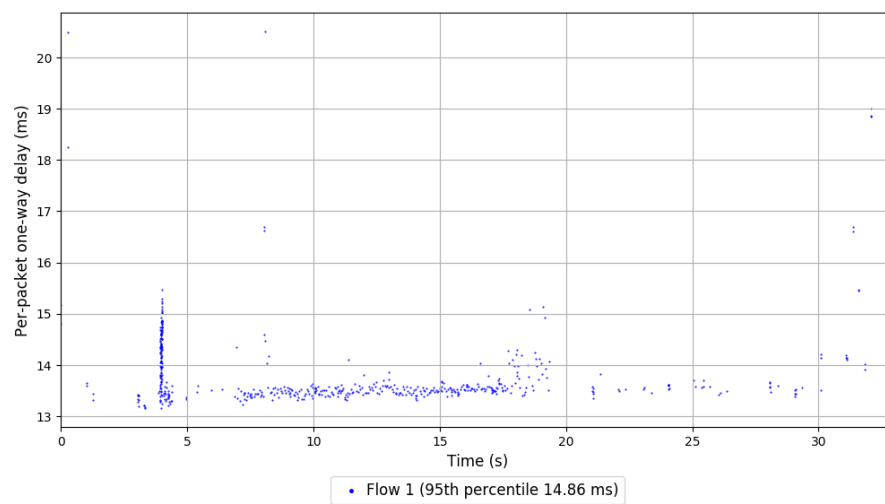
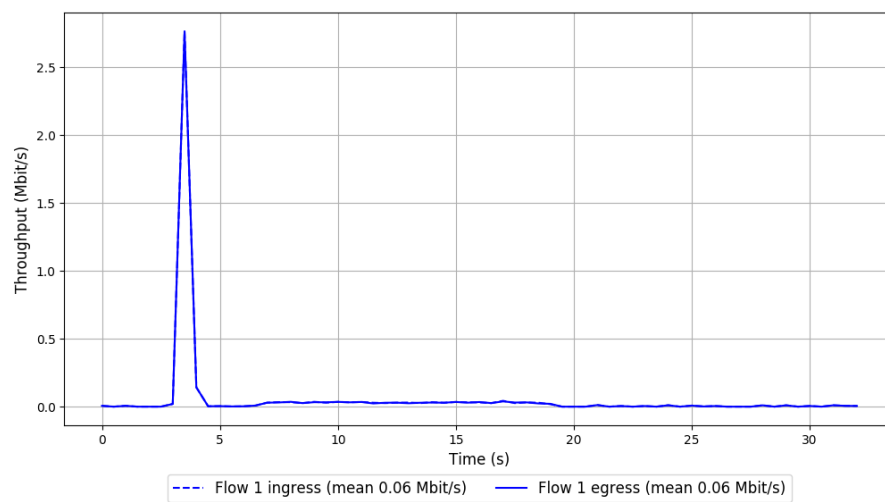
Run 9: Statistics of WebRTC media

Start at: 2018-04-17 07:37:38  
End at: 2018-04-17 07:38:08  
Local clock offset: -4.185 ms  
Remote clock offset: -6.671 ms

# Below is generated by plot.py at 2018-04-17 08:38:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 14.860 ms  
Loss rate: 0.28%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 14.860 ms  
Loss rate: 0.28%



### Run 9: Report of WebRTC media — Data Link

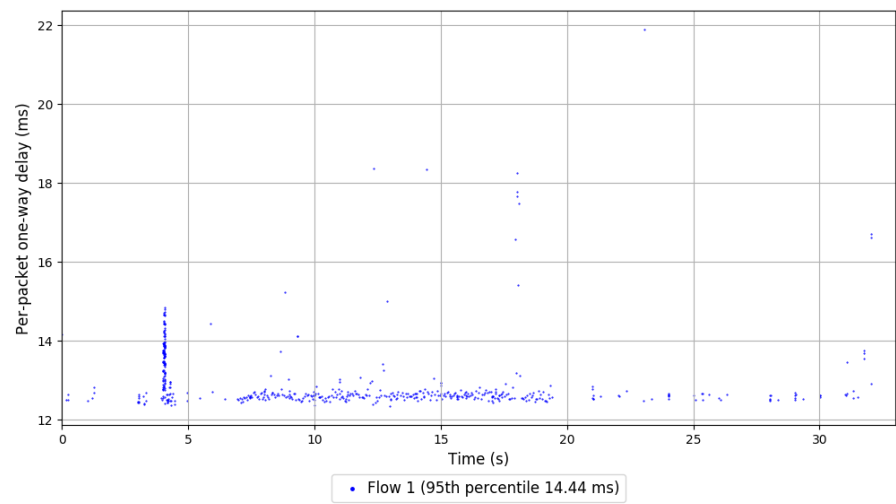
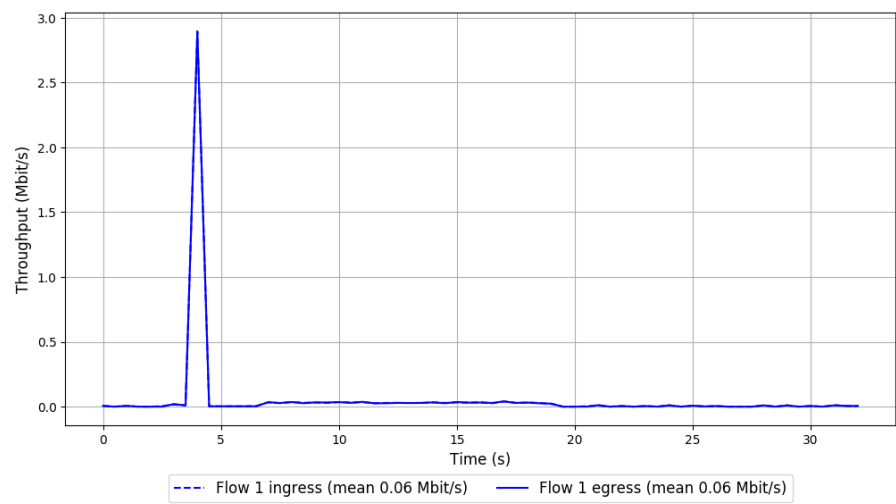


Run 10: Statistics of WebRTC media

Start at: 2018-04-17 07:57:21  
End at: 2018-04-17 07:57:51  
Local clock offset: -6.655 ms  
Remote clock offset: -9.433 ms

# Below is generated by plot.py at 2018-04-17 08:38:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 14.439 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 14.439 ms  
Loss rate: 0.07%

Run 10: Report of WebRTC media — Data Link

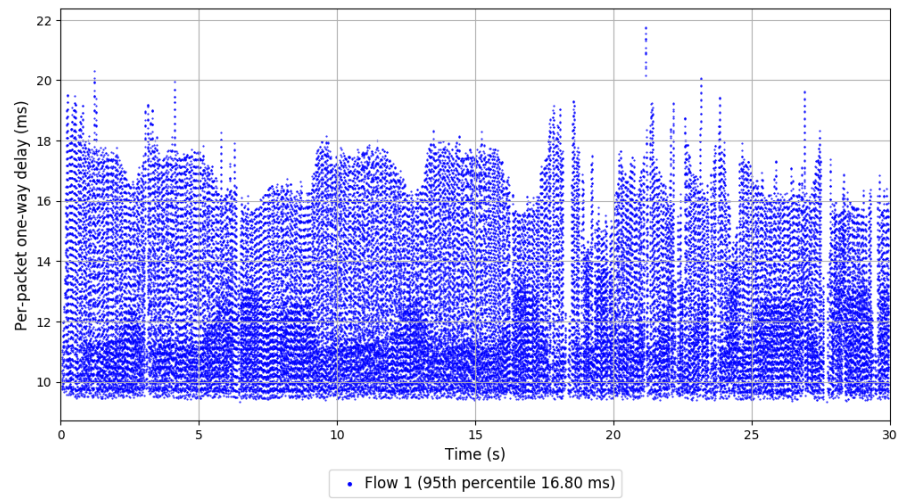
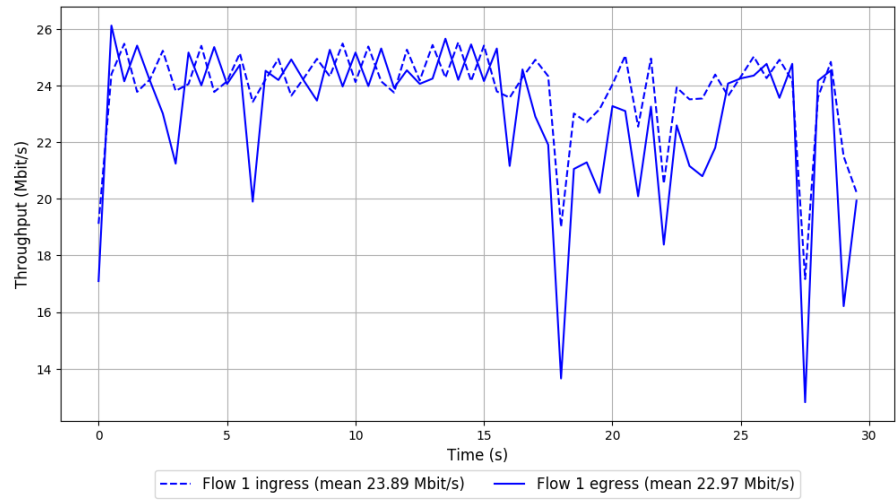


Run 1: Statistics of Sprout

Start at: 2018-04-17 05:06:58  
End at: 2018-04-17 05:07:28  
Local clock offset: -6.865 ms  
Remote clock offset: -7.812 ms

# Below is generated by plot.py at 2018-04-17 08:38:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 22.97 Mbit/s  
95th percentile per-packet one-way delay: 16.800 ms  
Loss rate: 3.83%  
-- Flow 1:  
Average throughput: 22.97 Mbit/s  
95th percentile per-packet one-way delay: 16.800 ms  
Loss rate: 3.83%

# Run 1: Report of Sprout — Data Link



Run 2: Statistics of Sprout

Start at: 2018-04-17 05:26:38

End at: 2018-04-17 05:27:08

Local clock offset: -7.574 ms

Remote clock offset: -9.31 ms

# Below is generated by plot.py at 2018-04-17 08:38:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 23.99 Mbit/s

95th percentile per-packet one-way delay: 18.002 ms

Loss rate: 1.47%

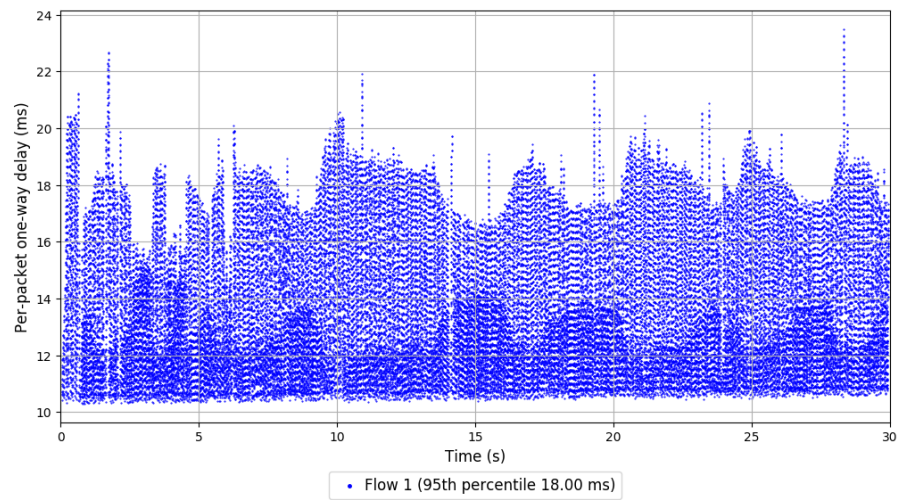
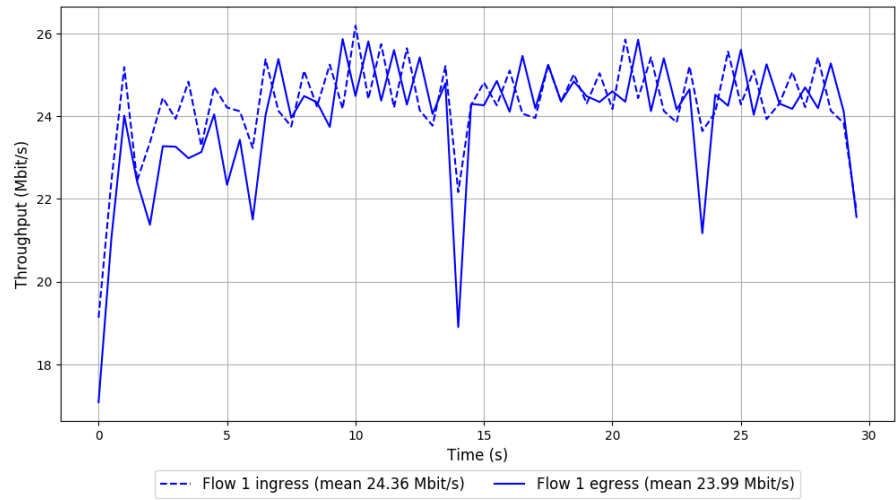
-- Flow 1:

Average throughput: 23.99 Mbit/s

95th percentile per-packet one-way delay: 18.002 ms

Loss rate: 1.47%

## Run 2: Report of Sprout — Data Link



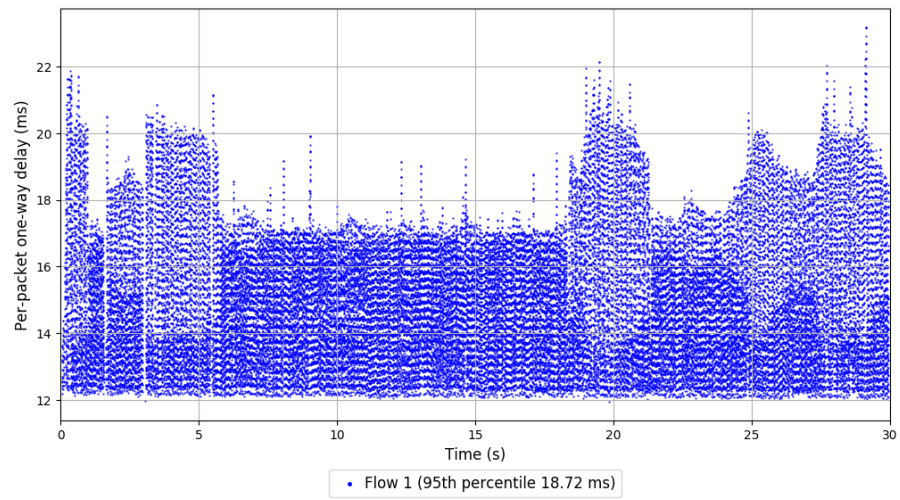
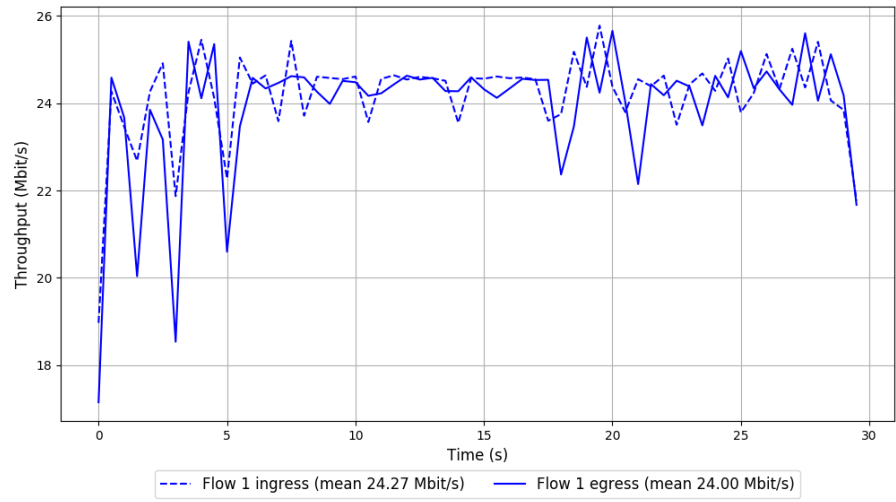
Run 3: Statistics of Sprout

Start at: 2018-04-17 05:46:39  
End at: 2018-04-17 05:47:09  
Local clock offset: -4.666 ms  
Remote clock offset: -7.511 ms

# Below is generated by plot.py at 2018-04-17 08:38:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.00 Mbit/s  
95th percentile per-packet one-way delay: 18.722 ms  
Loss rate: 1.10%  
-- Flow 1:  
Average throughput: 24.00 Mbit/s  
95th percentile per-packet one-way delay: 18.722 ms  
Loss rate: 1.10%



### Run 3: Report of Sprout — Data Link

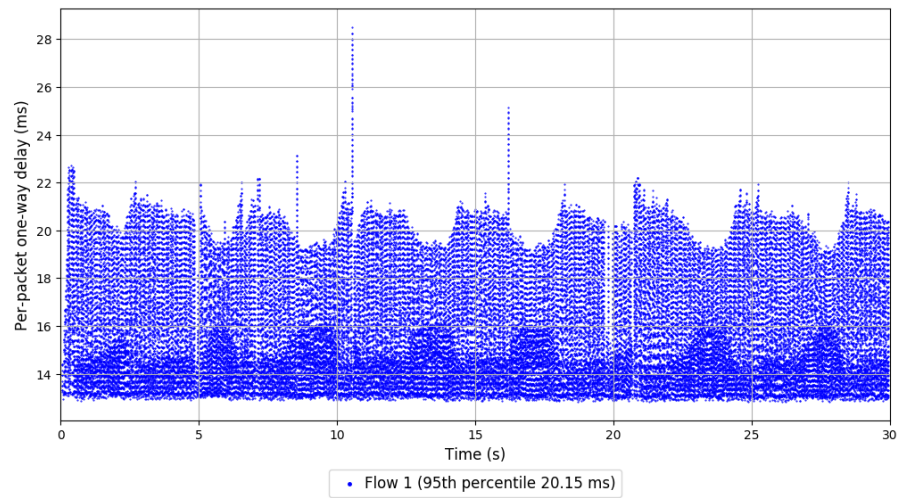
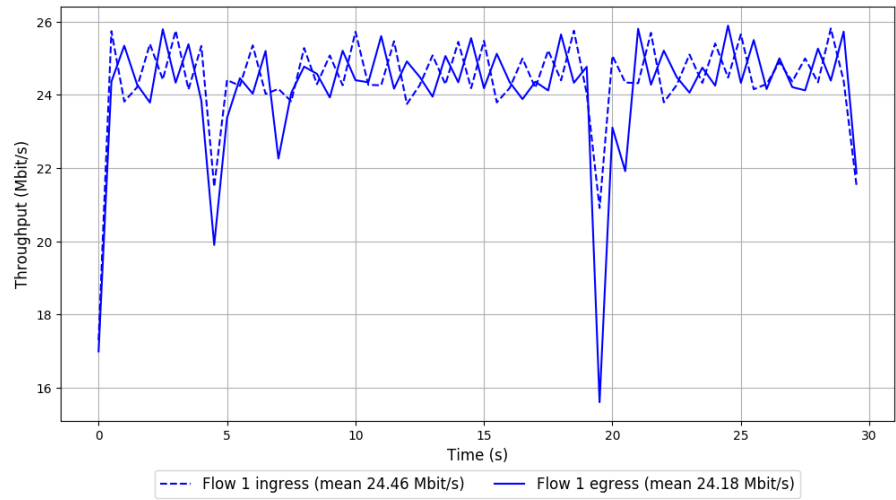


Run 4: Statistics of Sprout

Start at: 2018-04-17 06:06:24  
End at: 2018-04-17 06:06:54  
Local clock offset: -5.308 ms  
Remote clock offset: -4.192 ms

# Below is generated by plot.py at 2018-04-17 08:38:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.18 Mbit/s  
95th percentile per-packet one-way delay: 20.154 ms  
Loss rate: 1.10%  
-- Flow 1:  
Average throughput: 24.18 Mbit/s  
95th percentile per-packet one-way delay: 20.154 ms  
Loss rate: 1.10%

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

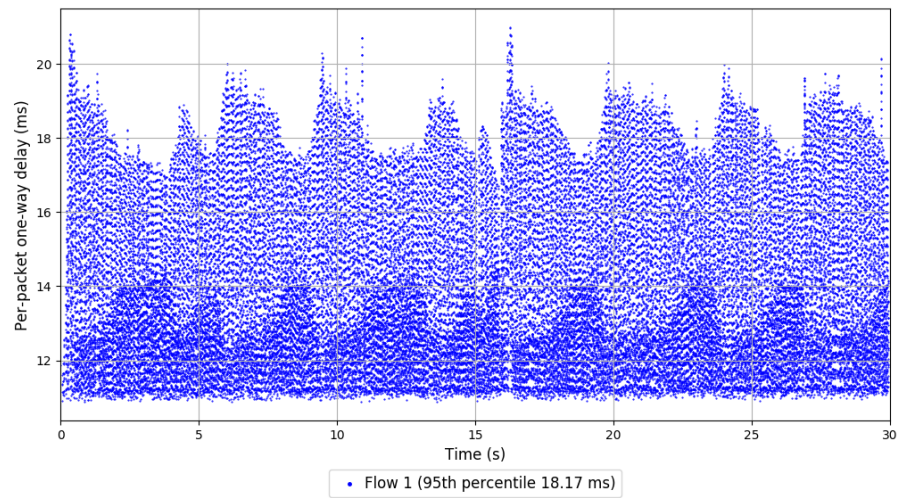
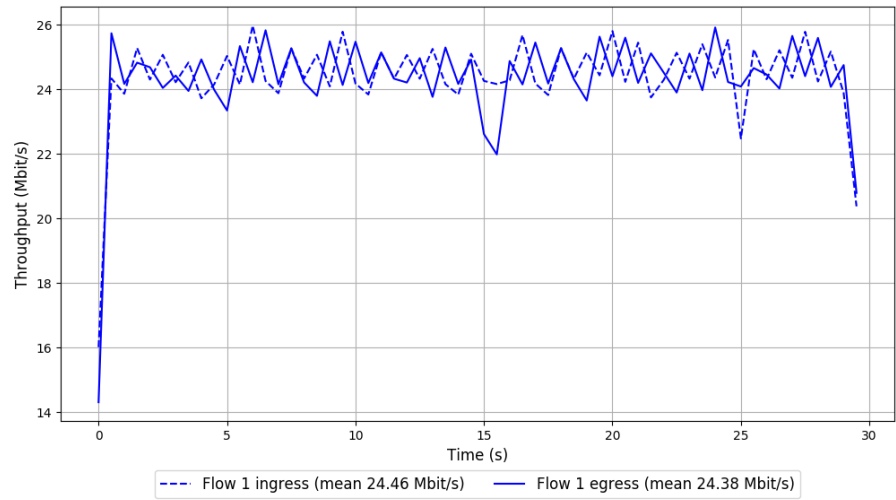


Run 5: Statistics of Sprout

Start at: 2018-04-17 06:26:21  
End at: 2018-04-17 06:26:51  
Local clock offset: -4.998 ms  
Remote clock offset: -5.887 ms

# Below is generated by plot.py at 2018-04-17 08:38:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.38 Mbit/s  
95th percentile per-packet one-way delay: 18.172 ms  
Loss rate: 0.33%  
-- Flow 1:  
Average throughput: 24.38 Mbit/s  
95th percentile per-packet one-way delay: 18.172 ms  
Loss rate: 0.33%

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

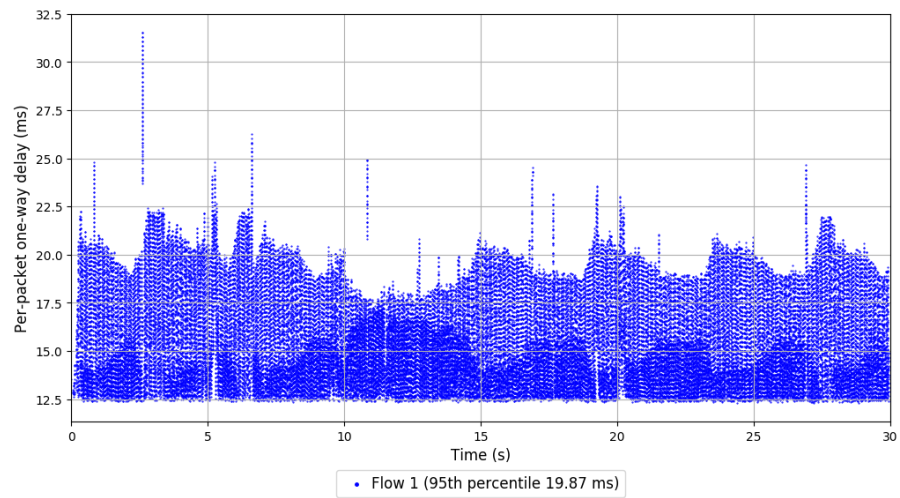
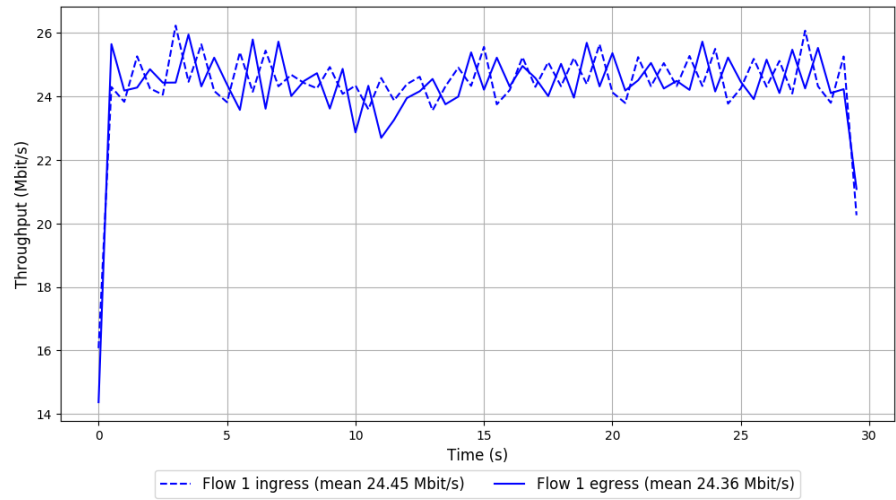


Run 6: Statistics of Sprout

Start at: 2018-04-17 06:46:13  
End at: 2018-04-17 06:46:44  
Local clock offset: -11.724 ms  
Remote clock offset: -5.581 ms

# Below is generated by plot.py at 2018-04-17 08:38:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.36 Mbit/s  
95th percentile per-packet one-way delay: 19.869 ms  
Loss rate: 0.35%  
-- Flow 1:  
Average throughput: 24.36 Mbit/s  
95th percentile per-packet one-way delay: 19.869 ms  
Loss rate: 0.35%

# Run 6: Report of Sprout — Data Link



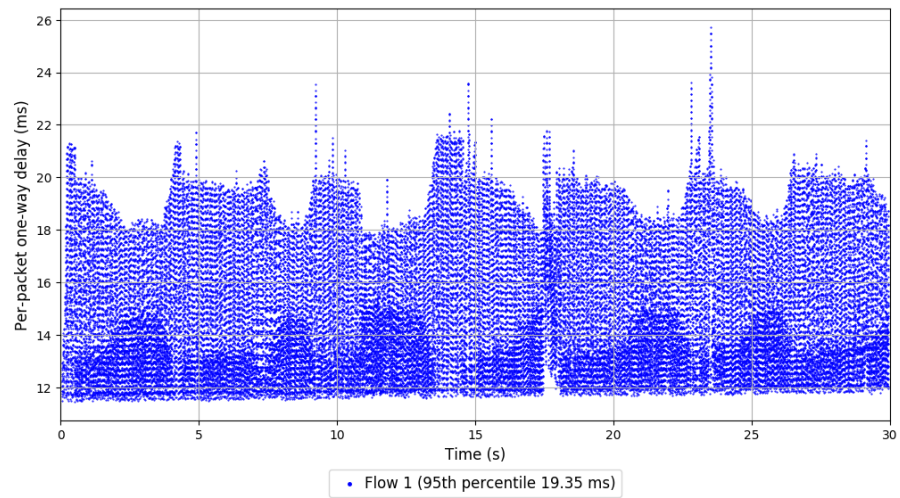
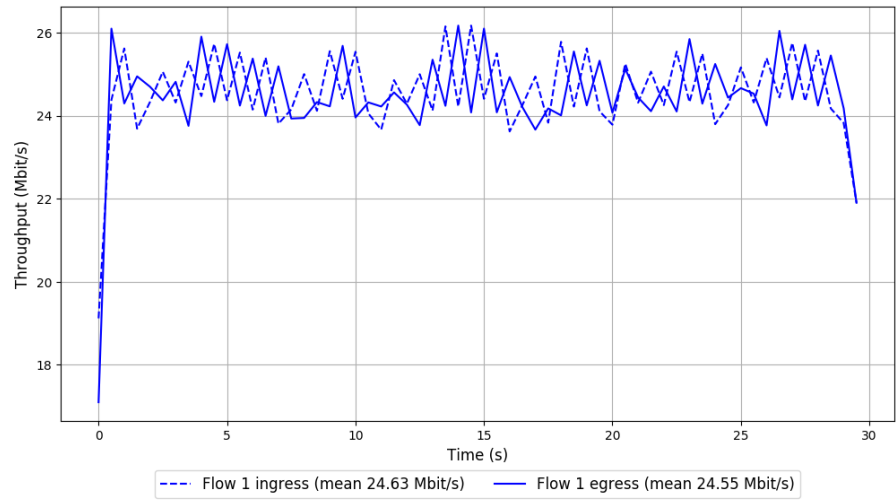
Run 7: Statistics of Sprout

Start at: 2018-04-17 07:06:12  
End at: 2018-04-17 07:06:42  
Local clock offset: -12.493 ms  
Remote clock offset: -2.95 ms

# Below is generated by plot.py at 2018-04-17 08:38:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.55 Mbit/s  
95th percentile per-packet one-way delay: 19.353 ms  
Loss rate: 0.30%  
-- Flow 1:  
Average throughput: 24.55 Mbit/s  
95th percentile per-packet one-way delay: 19.353 ms  
Loss rate: 0.30%



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

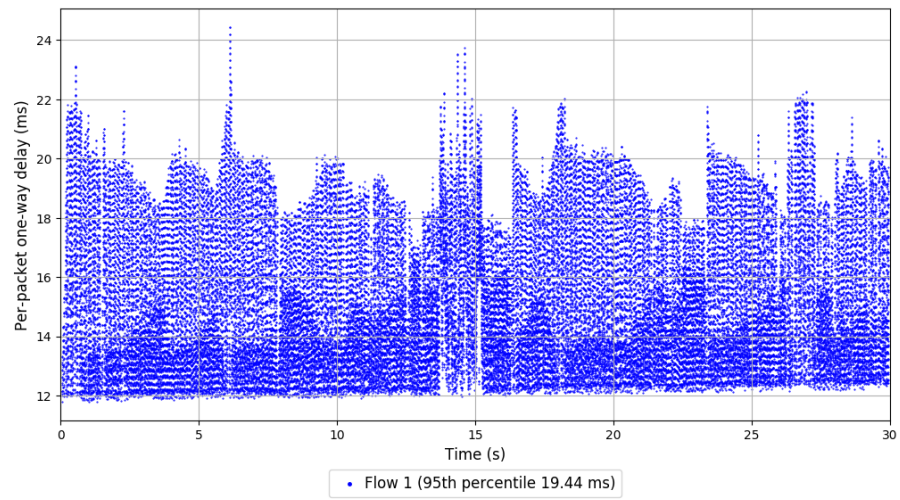
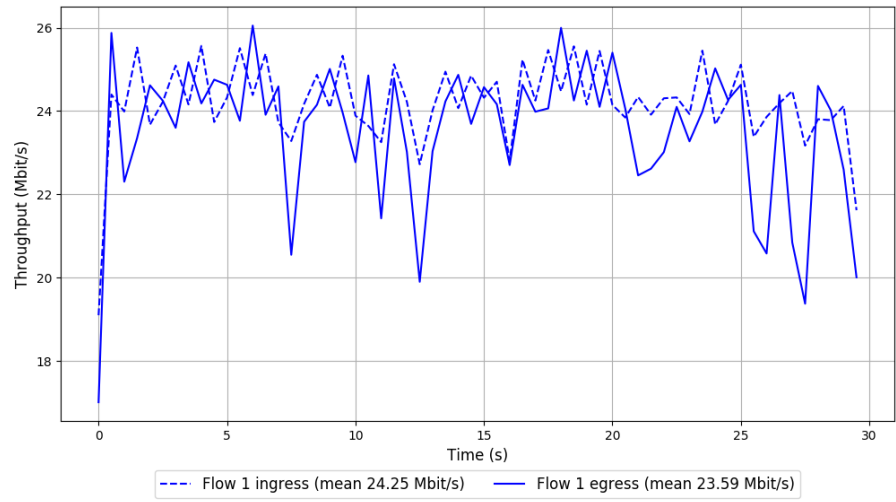


Run 8: Statistics of Sprout

Start at: 2018-04-17 07:26:06  
End at: 2018-04-17 07:26:36  
Local clock offset: -5.133 ms  
Remote clock offset: -1.942 ms

# Below is generated by plot.py at 2018-04-17 08:38:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 23.59 Mbit/s  
95th percentile per-packet one-way delay: 19.438 ms  
Loss rate: 2.69%  
-- Flow 1:  
Average throughput: 23.59 Mbit/s  
95th percentile per-packet one-way delay: 19.438 ms  
Loss rate: 2.69%

# Run 8: Report of Sprout — Data Link

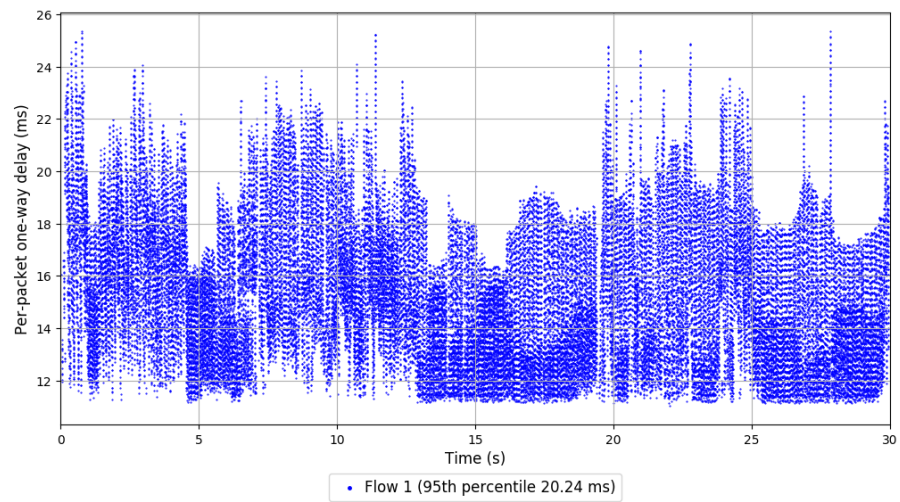
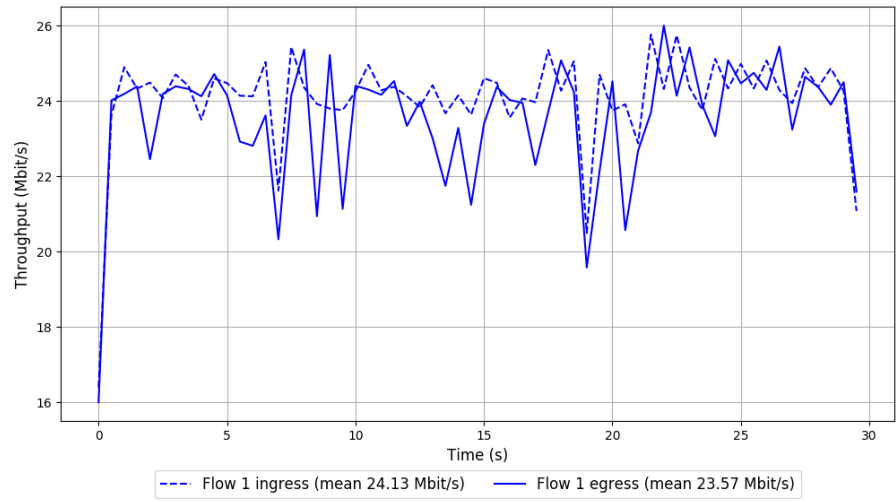


Run 9: Statistics of Sprout

Start at: 2018-04-17 07:45:43  
End at: 2018-04-17 07:46:13  
Local clock offset: -5.406 ms  
Remote clock offset: -8.975 ms

# Below is generated by plot.py at 2018-04-17 08:39:03  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 23.57 Mbit/s  
95th percentile per-packet one-way delay: 20.240 ms  
Loss rate: 2.32%  
-- Flow 1:  
Average throughput: 23.57 Mbit/s  
95th percentile per-packet one-way delay: 20.240 ms  
Loss rate: 2.32%

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

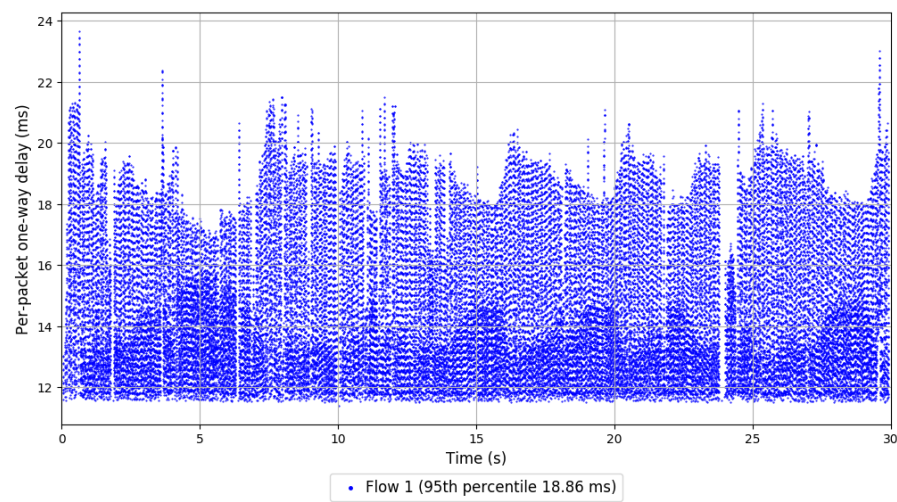
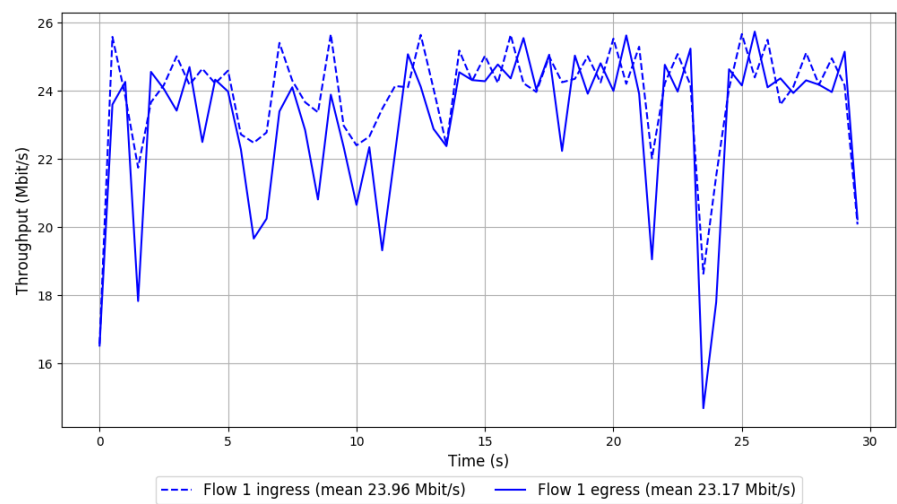


Run 10: Statistics of Sprout

Start at: 2018-04-17 08:05:40  
End at: 2018-04-17 08:06:10  
Local clock offset: -7.189 ms  
Remote clock offset: -9.637 ms

# Below is generated by plot.py at 2018-04-17 08:39:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 23.17 Mbit/s  
95th percentile per-packet one-way delay: 18.863 ms  
Loss rate: 3.31%  
-- Flow 1:  
Average throughput: 23.17 Mbit/s  
95th percentile per-packet one-way delay: 18.863 ms  
Loss rate: 3.31%

Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-04-17 04:56:12

End at: 2018-04-17 04:56:42

Local clock offset: -7.089 ms

Remote clock offset: -8.142 ms

# Below is generated by plot.py at 2018-04-17 08:40:52

# Datalink statistics

-- Total of 1 flow:

Average throughput: 78.73 Mbit/s

95th percentile per-packet one-way delay: 14.051 ms

Loss rate: 10.44%

-- Flow 1:

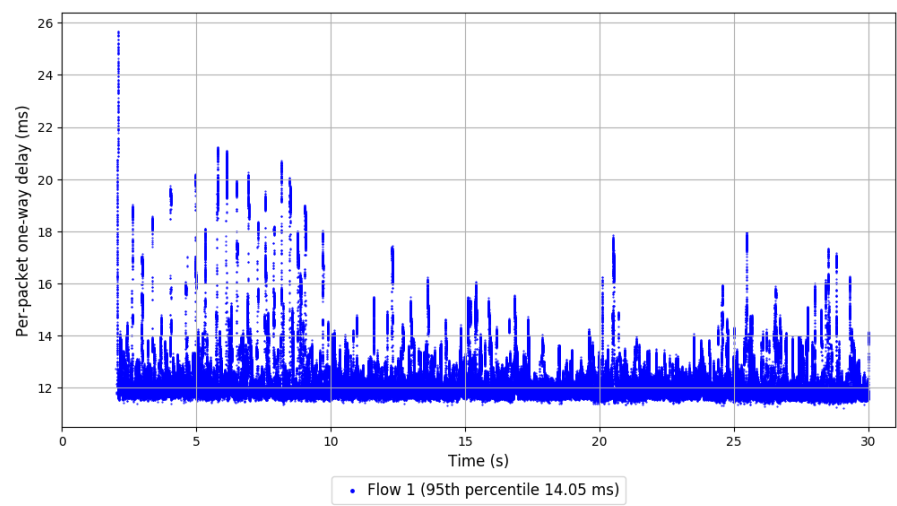
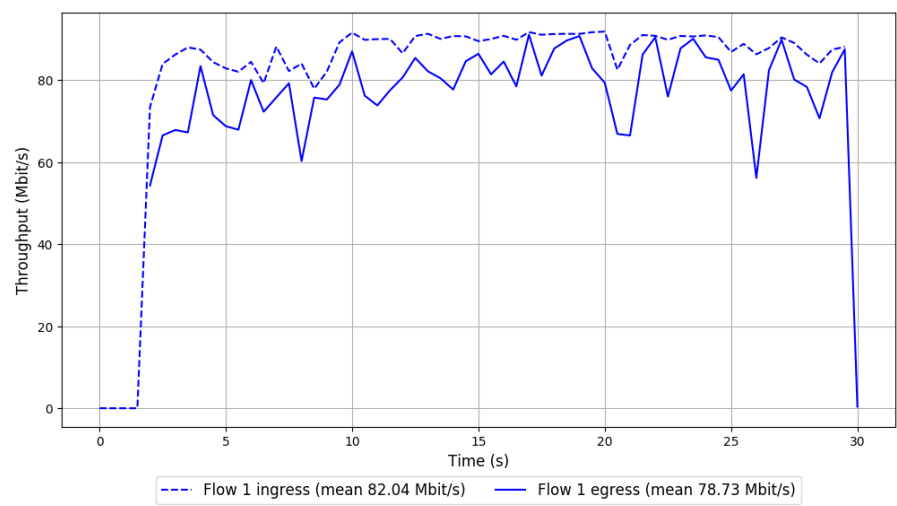
Average throughput: 78.73 Mbit/s

95th percentile per-packet one-way delay: 14.051 ms

Loss rate: 10.44%



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



Run 2: Statistics of TaoVA-100x

Start at: 2018-04-17 05:16:04

End at: 2018-04-17 05:16:34

Local clock offset: -7.266 ms

Remote clock offset: -7.903 ms

# Below is generated by plot.py at 2018-04-17 08:41:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.98 Mbit/s

95th percentile per-packet one-way delay: 11.995 ms

Loss rate: 7.63%

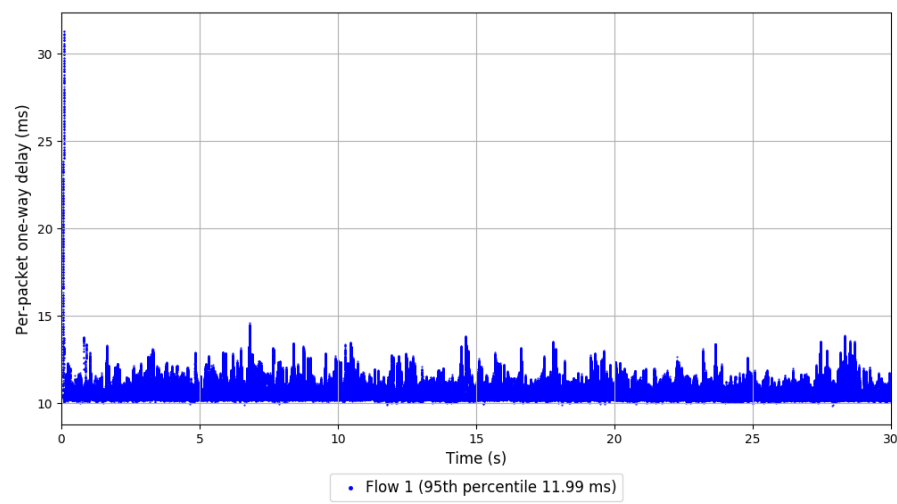
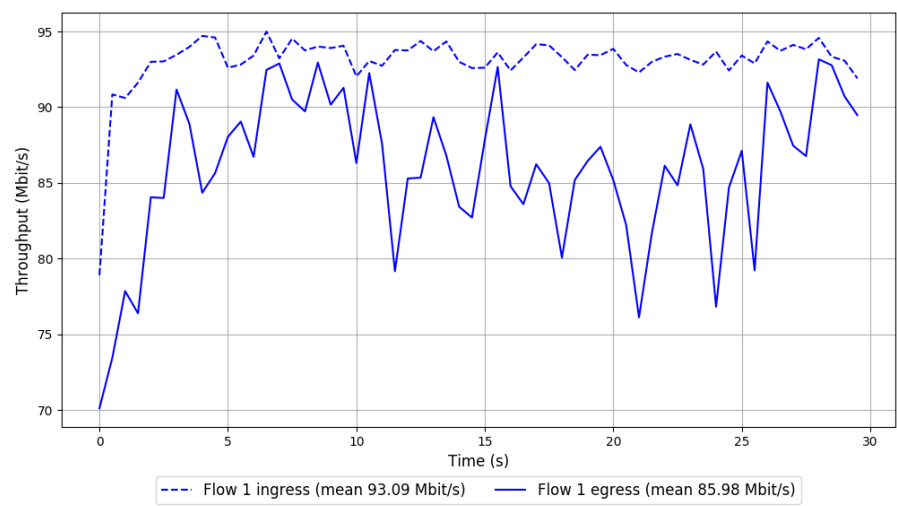
-- Flow 1:

Average throughput: 85.98 Mbit/s

95th percentile per-packet one-way delay: 11.995 ms

Loss rate: 7.63%

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



Run 3: Statistics of TaoVA-100x

Start at: 2018-04-17 05:35:53

End at: 2018-04-17 05:36:23

Local clock offset: -6.465 ms

Remote clock offset: -8.605 ms

# Below is generated by plot.py at 2018-04-17 08:41:10

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.94 Mbit/s

95th percentile per-packet one-way delay: 15.084 ms

Loss rate: 7.98%

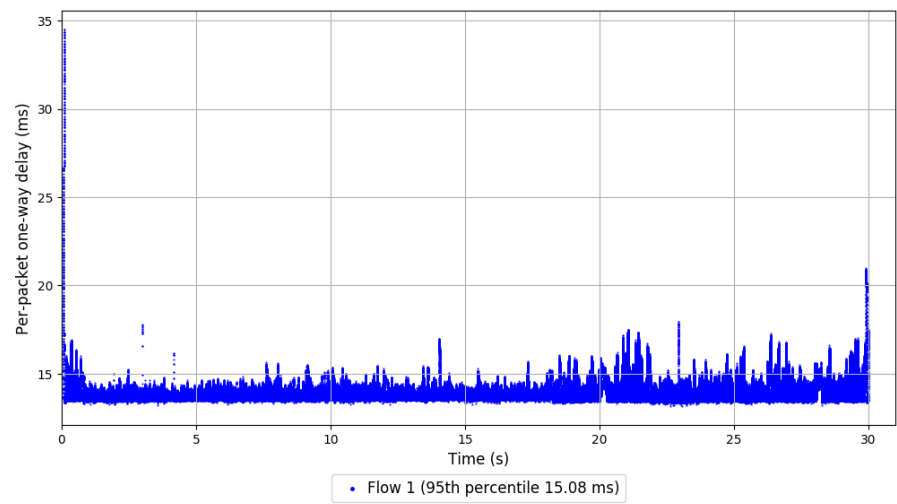
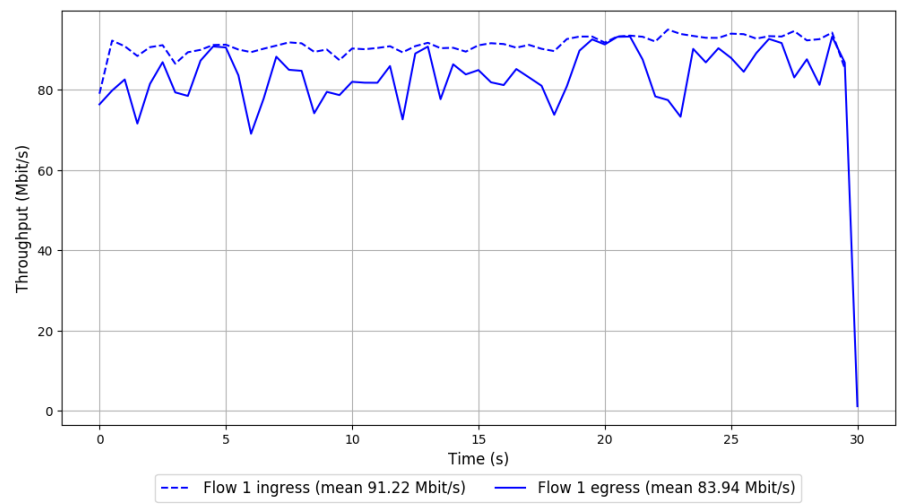
-- Flow 1:

Average throughput: 83.94 Mbit/s

95th percentile per-packet one-way delay: 15.084 ms

Loss rate: 7.98%

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

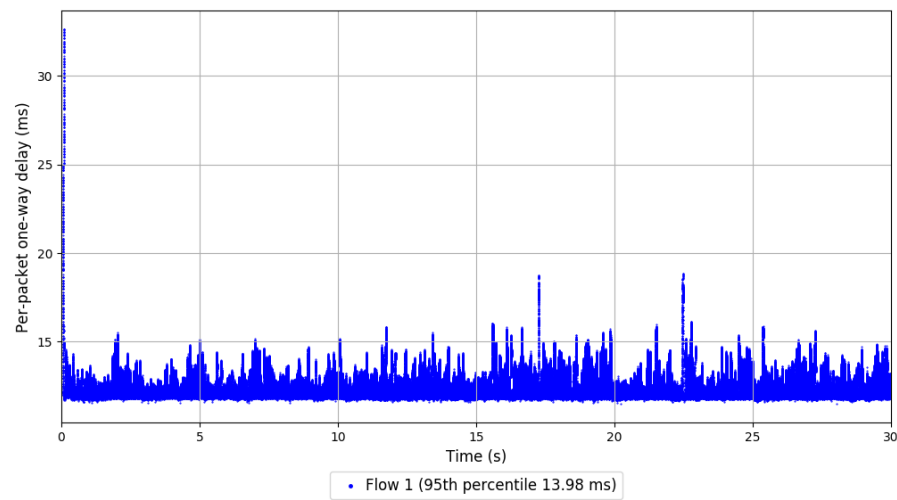
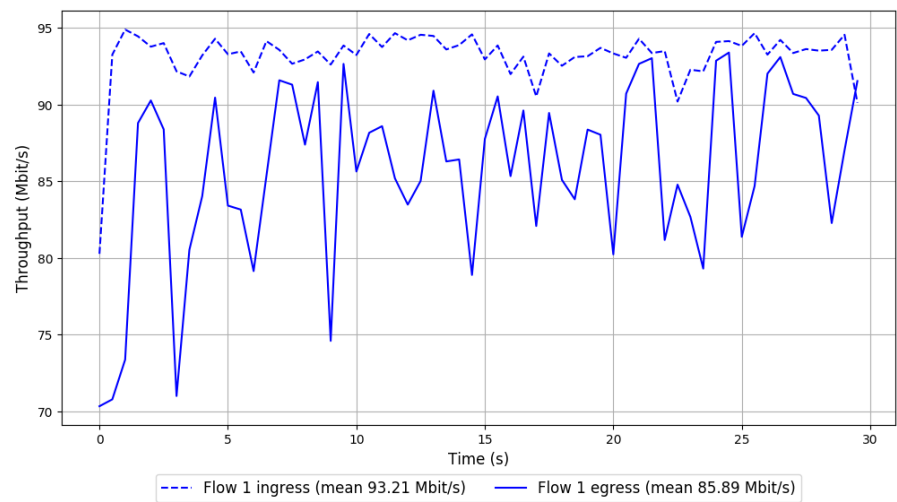


Run 4: Statistics of TaoVA-100x

Start at: 2018-04-17 05:55:46  
End at: 2018-04-17 05:56:16  
Local clock offset: -3.736 ms  
Remote clock offset: -6.295 ms

# Below is generated by plot.py at 2018-04-17 08:41:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.89 Mbit/s  
95th percentile per-packet one-way delay: 13.977 ms  
Loss rate: 7.85%  
-- Flow 1:  
Average throughput: 85.89 Mbit/s  
95th percentile per-packet one-way delay: 13.977 ms  
Loss rate: 7.85%

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



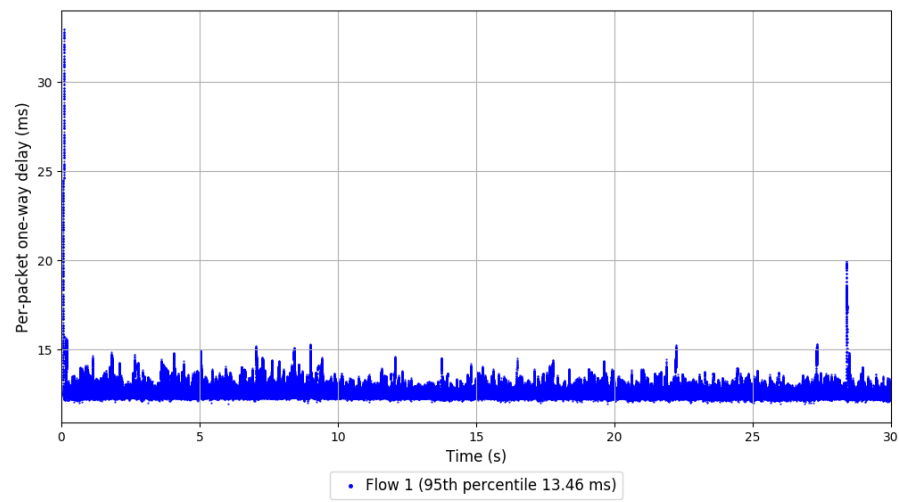
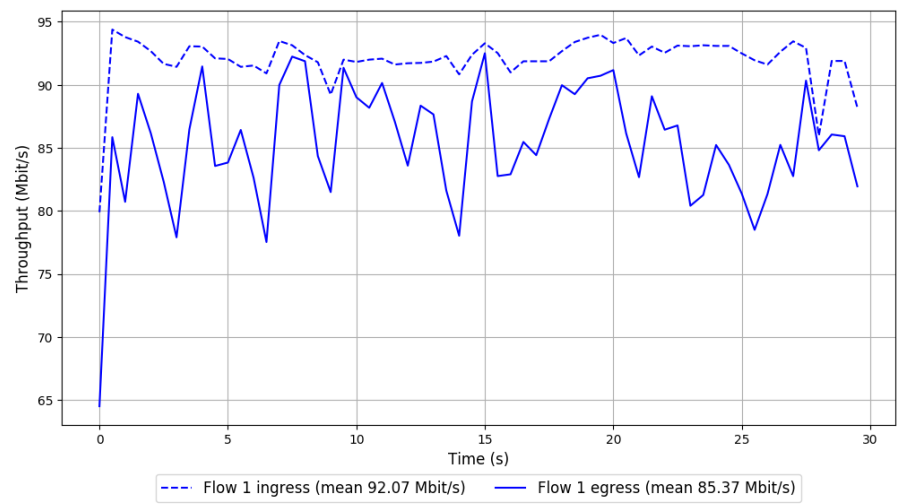
Run 5: Statistics of TaoVA-100x

Start at: 2018-04-17 06:15:51  
End at: 2018-04-17 06:16:21  
Local clock offset: -5.551 ms  
Remote clock offset: -3.827 ms

# Below is generated by plot.py at 2018-04-17 08:41:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.37 Mbit/s  
95th percentile per-packet one-way delay: 13.459 ms  
Loss rate: 7.28%  
-- Flow 1:  
Average throughput: 85.37 Mbit/s  
95th percentile per-packet one-way delay: 13.459 ms  
Loss rate: 7.28%



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

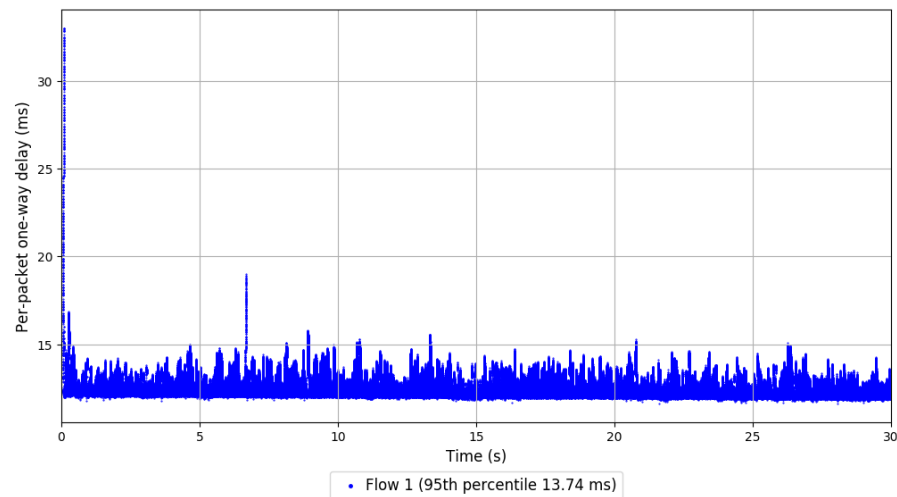
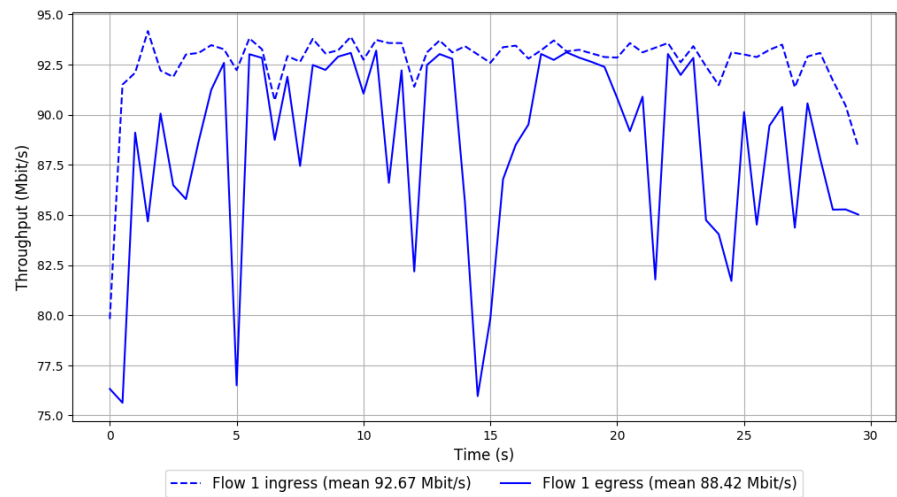


Run 6: Statistics of TaoVA-100x

Start at: 2018-04-17 06:35:37  
End at: 2018-04-17 06:36:07  
Local clock offset: -8.192 ms  
Remote clock offset: -6.343 ms

# Below is generated by plot.py at 2018-04-17 08:41:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.42 Mbit/s  
95th percentile per-packet one-way delay: 13.740 ms  
Loss rate: 4.59%  
-- Flow 1:  
Average throughput: 88.42 Mbit/s  
95th percentile per-packet one-way delay: 13.740 ms  
Loss rate: 4.59%

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

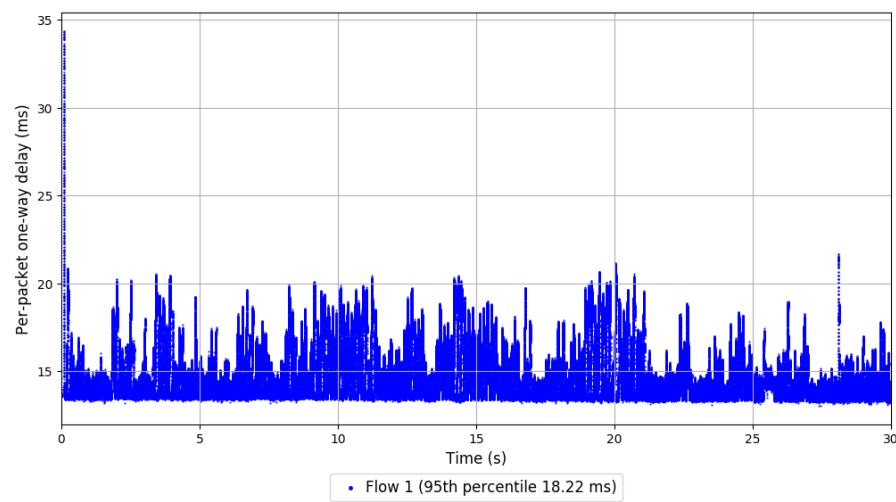
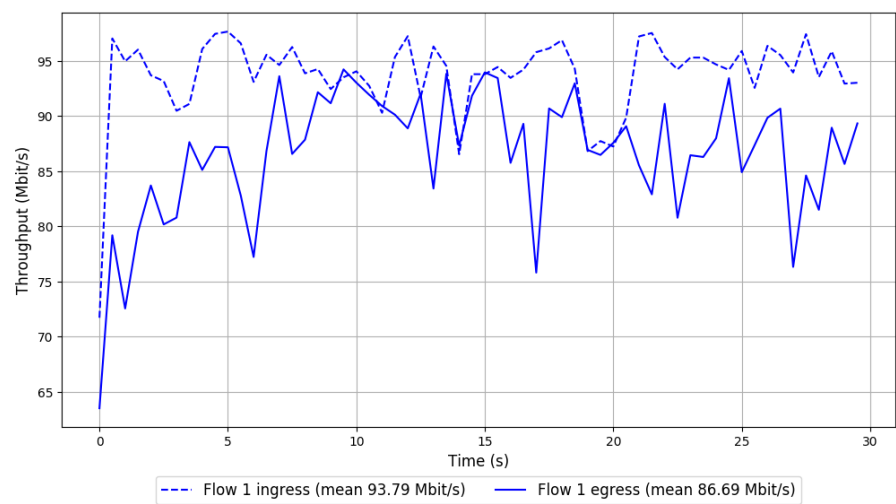


Run 7: Statistics of TaoVA-100x

Start at: 2018-04-17 06:55:24  
End at: 2018-04-17 06:55:54  
Local clock offset: -11.91 ms  
Remote clock offset: -3.595 ms

# Below is generated by plot.py at 2018-04-17 08:41:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.69 Mbit/s  
95th percentile per-packet one-way delay: 18.219 ms  
Loss rate: 7.57%  
-- Flow 1:  
Average throughput: 86.69 Mbit/s  
95th percentile per-packet one-way delay: 18.219 ms  
Loss rate: 7.57%

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



Run 8: Statistics of TaoVA-100x

Start at: 2018-04-17 07:15:28

End at: 2018-04-17 07:15:58

Local clock offset: -7.236 ms

Remote clock offset: -2.903 ms

# Below is generated by plot.py at 2018-04-17 08:41:31

# Datalink statistics

-- Total of 1 flow:

Average throughput: 76.21 Mbit/s

95th percentile per-packet one-way delay: 13.038 ms

Loss rate: 13.61%

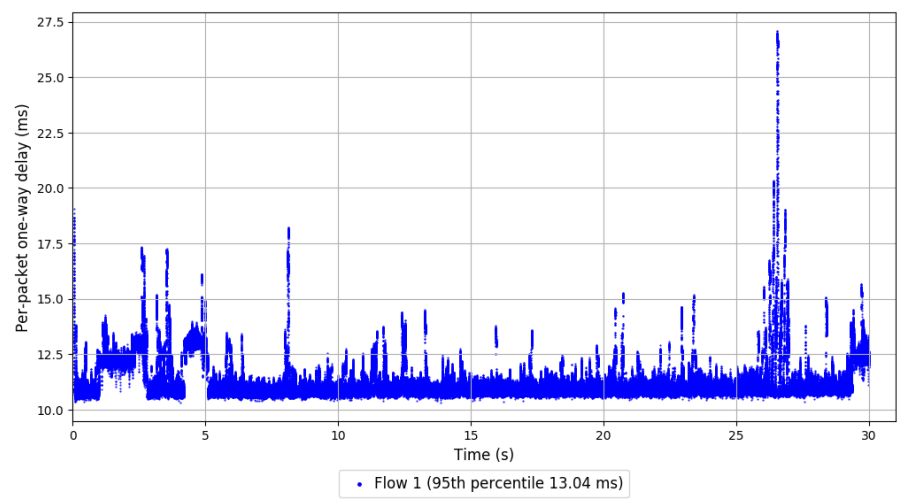
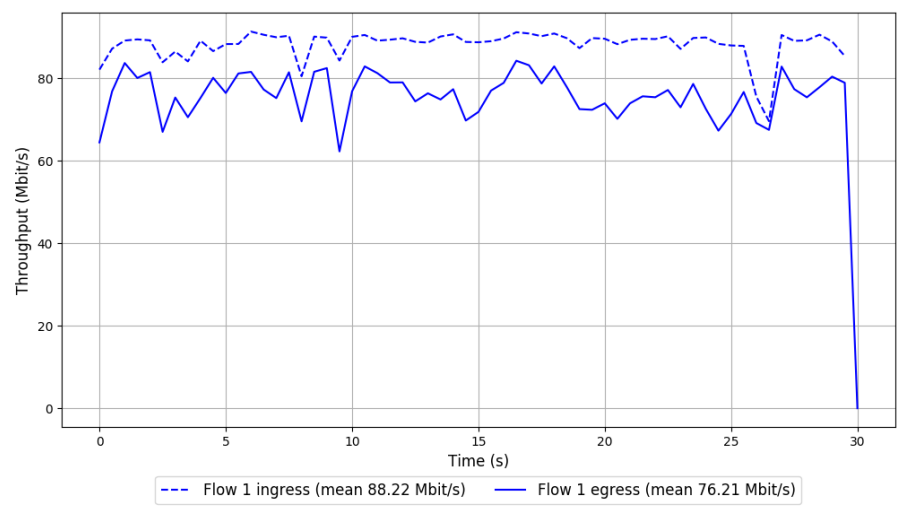
-- Flow 1:

Average throughput: 76.21 Mbit/s

95th percentile per-packet one-way delay: 13.038 ms

Loss rate: 13.61%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-17 07:35:08

End at: 2018-04-17 07:35:38

Local clock offset: -3.979 ms

Remote clock offset: -6.192 ms

# Below is generated by plot.py at 2018-04-17 08:43:09

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.70 Mbit/s

95th percentile per-packet one-way delay: 15.360 ms

Loss rate: 10.90%

-- Flow 1:

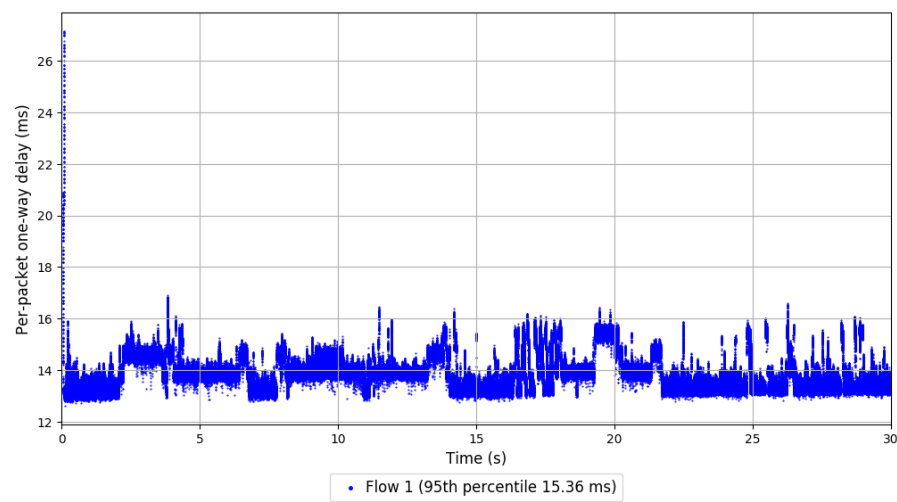
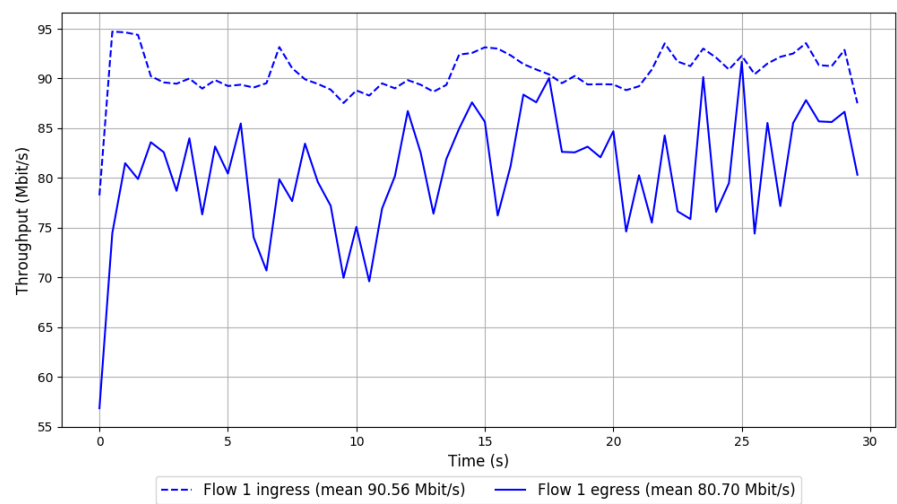
Average throughput: 80.70 Mbit/s

95th percentile per-packet one-way delay: 15.360 ms

Loss rate: 10.90%



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



Run 10: Statistics of TaoVA-100x

Start at: 2018-04-17 07:54:46

End at: 2018-04-17 07:55:16

Local clock offset: -7.169 ms

Remote clock offset: -8.761 ms

# Below is generated by plot.py at 2018-04-17 08:43:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.56 Mbit/s

95th percentile per-packet one-way delay: 16.286 ms

Loss rate: 8.08%

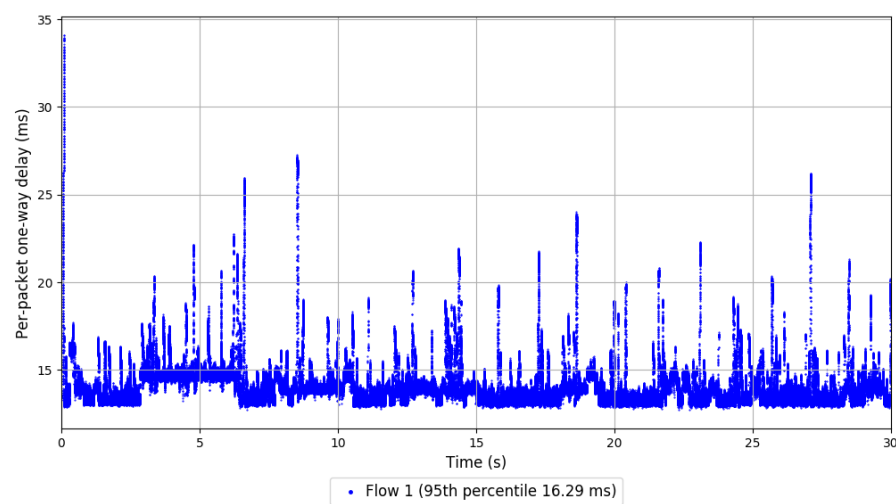
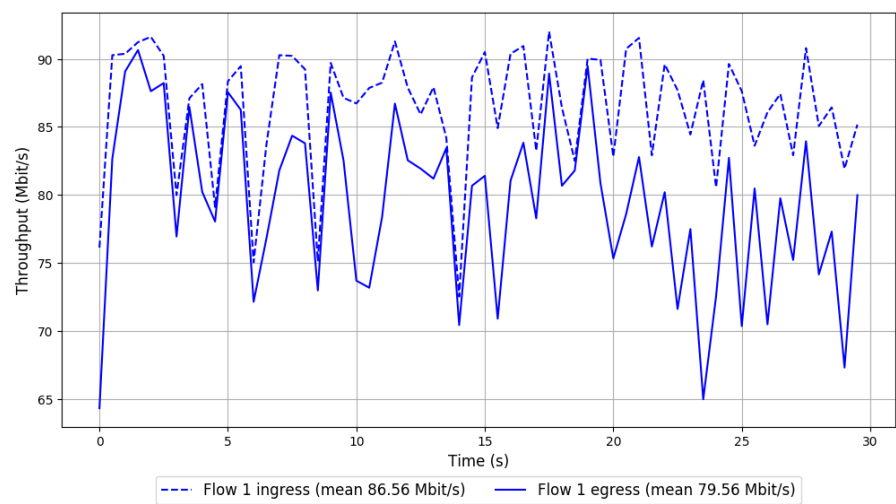
-- Flow 1:

Average throughput: 79.56 Mbit/s

95th percentile per-packet one-way delay: 16.286 ms

Loss rate: 8.08%

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

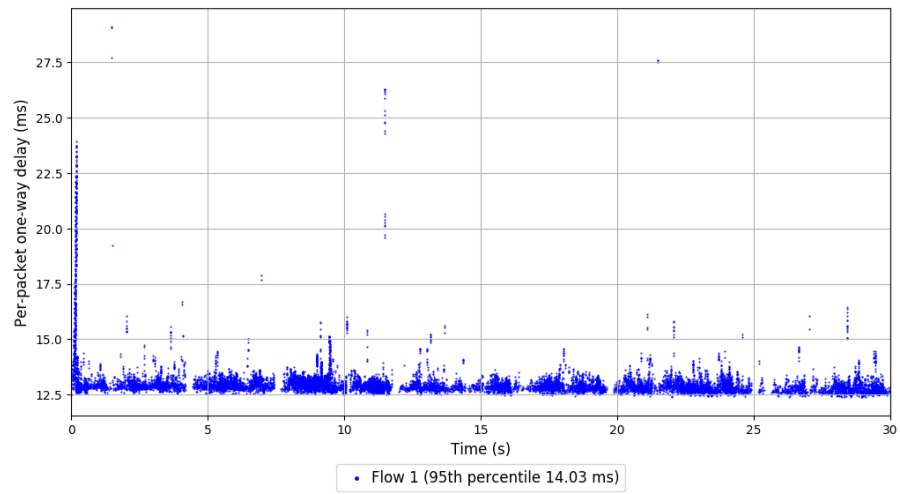
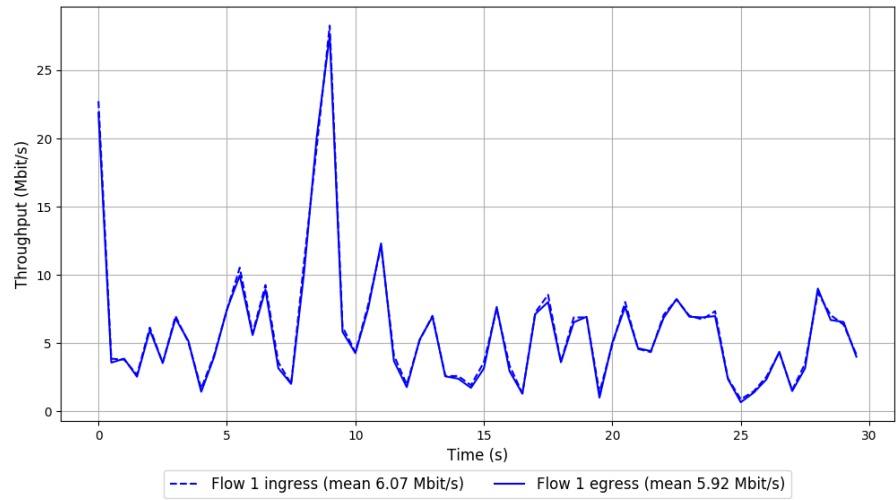


Run 1: Statistics of TCP Vegas

Start at: 2018-04-17 04:50:28  
End at: 2018-04-17 04:50:58  
Local clock offset: -5.68 ms  
Remote clock offset: -7.904 ms

# Below is generated by plot.py at 2018-04-17 08:43:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 5.92 Mbit/s  
95th percentile per-packet one-way delay: 14.026 ms  
Loss rate: 2.54%  
-- Flow 1:  
Average throughput: 5.92 Mbit/s  
95th percentile per-packet one-way delay: 14.026 ms  
Loss rate: 2.54%

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

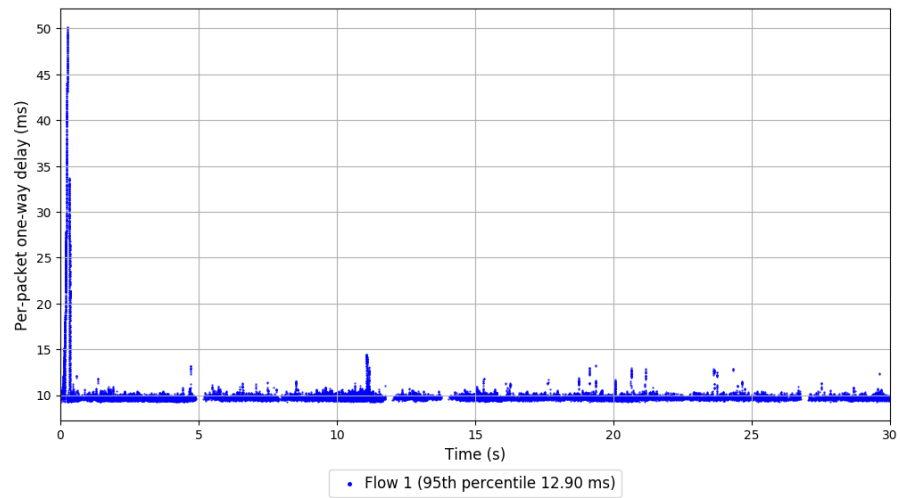
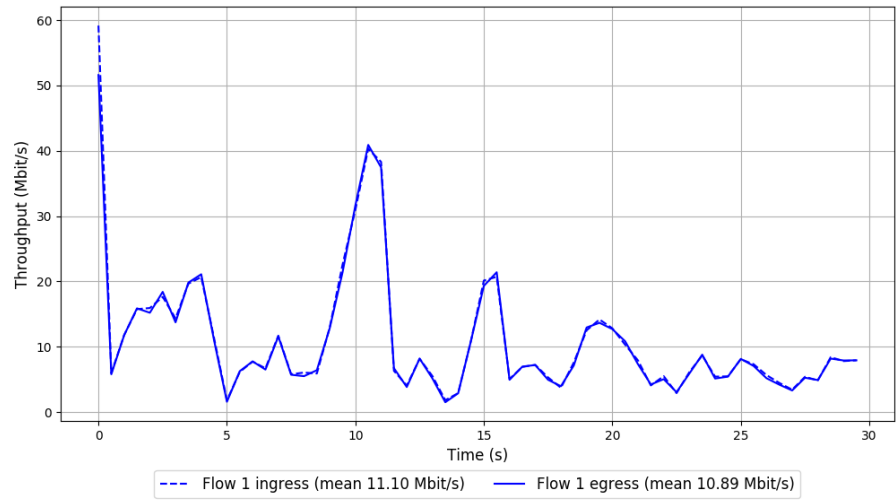


Run 2: Statistics of TCP Vegas

Start at: 2018-04-17 05:10:20  
End at: 2018-04-17 05:10:50  
Local clock offset: -6.971 ms  
Remote clock offset: -7.844 ms

# Below is generated by plot.py at 2018-04-17 08:43:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 10.89 Mbit/s  
95th percentile per-packet one-way delay: 12.905 ms  
Loss rate: 1.91%  
-- Flow 1:  
Average throughput: 10.89 Mbit/s  
95th percentile per-packet one-way delay: 12.905 ms  
Loss rate: 1.91%

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



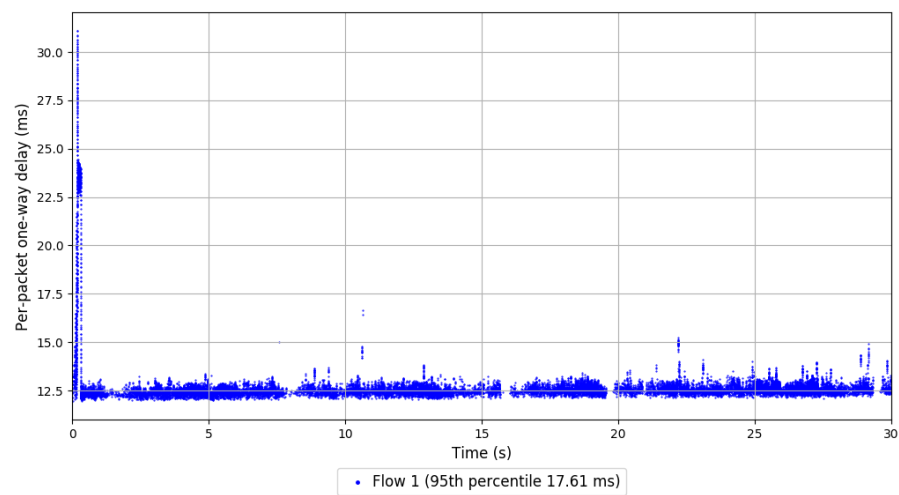
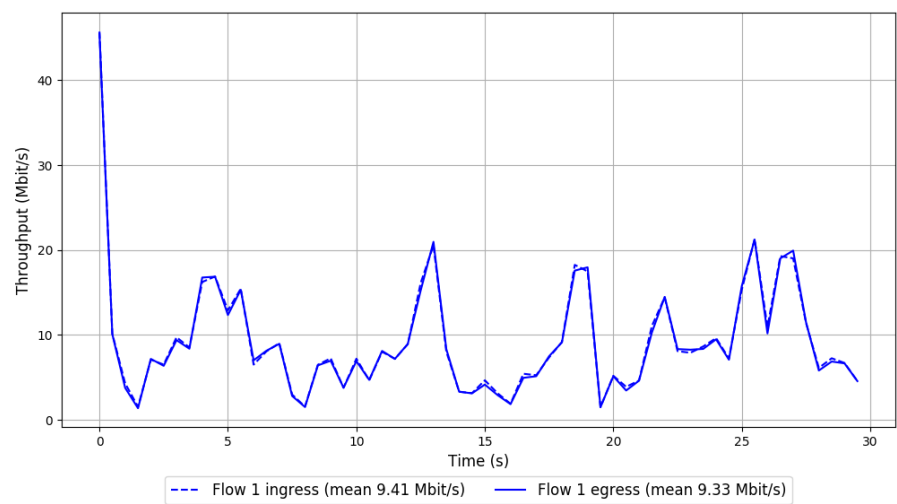
Run 3: Statistics of TCP Vegas

Start at: 2018-04-17 05:30:06  
End at: 2018-04-17 05:30:36  
Local clock offset: -5.92 ms  
Remote clock offset: -7.952 ms

# Below is generated by plot.py at 2018-04-17 08:43:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 9.33 Mbit/s  
95th percentile per-packet one-way delay: 17.605 ms  
Loss rate: 0.91%  
-- Flow 1:  
Average throughput: 9.33 Mbit/s  
95th percentile per-packet one-way delay: 17.605 ms  
Loss rate: 0.91%



Run 3: Report of TCP Vegas — Data Link

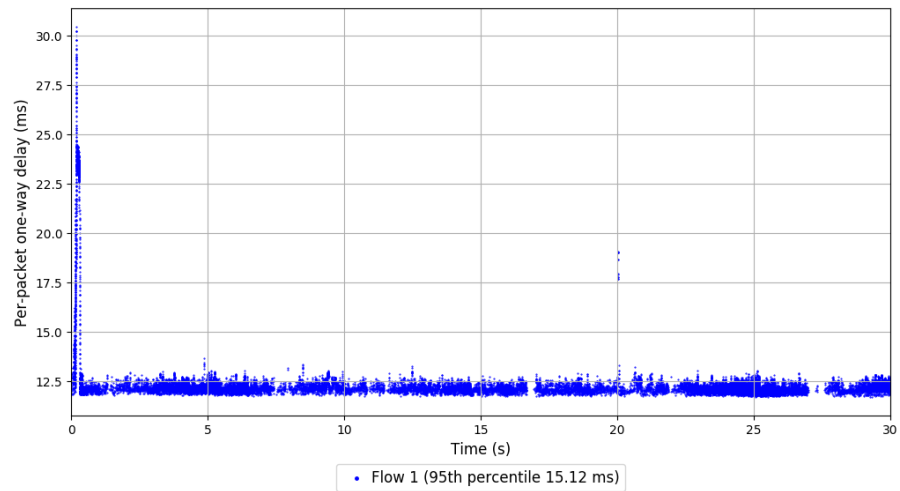
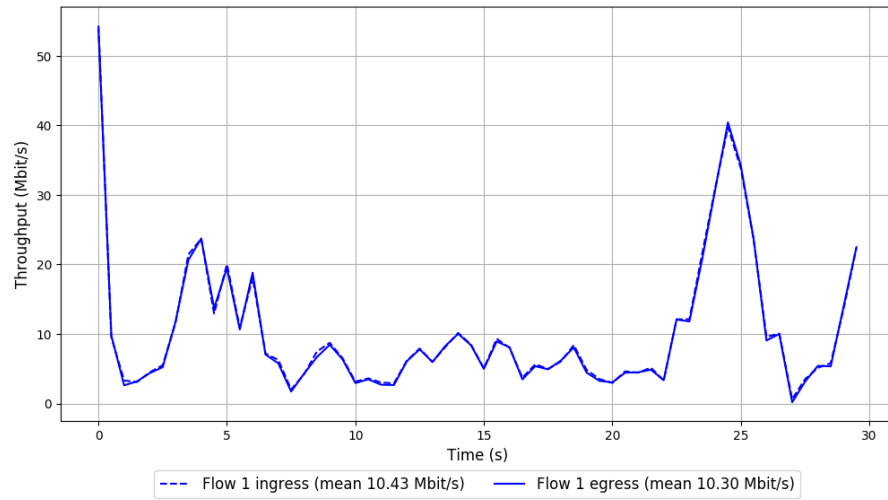


Run 4: Statistics of TCP Vegas

Start at: 2018-04-17 05:50:05  
End at: 2018-04-17 05:50:35  
Local clock offset: -3.996 ms  
Remote clock offset: -7.102 ms

# Below is generated by plot.py at 2018-04-17 08:43:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 10.30 Mbit/s  
95th percentile per-packet one-way delay: 15.116 ms  
Loss rate: 1.24%  
-- Flow 1:  
Average throughput: 10.30 Mbit/s  
95th percentile per-packet one-way delay: 15.116 ms  
Loss rate: 1.24%

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



Run 5: Statistics of TCP Vegas

Start at: 2018-04-17 06:09:56

End at: 2018-04-17 06:10:26

Local clock offset: -2.78 ms

Remote clock offset: -4.664 ms

# Below is generated by plot.py at 2018-04-17 08:43:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 15.67 Mbit/s

95th percentile per-packet one-way delay: 9.754 ms

Loss rate: 0.53%

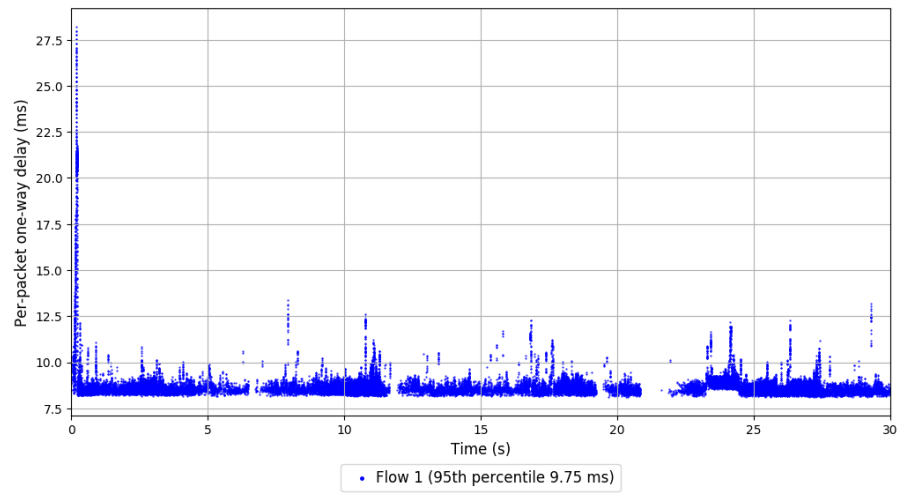
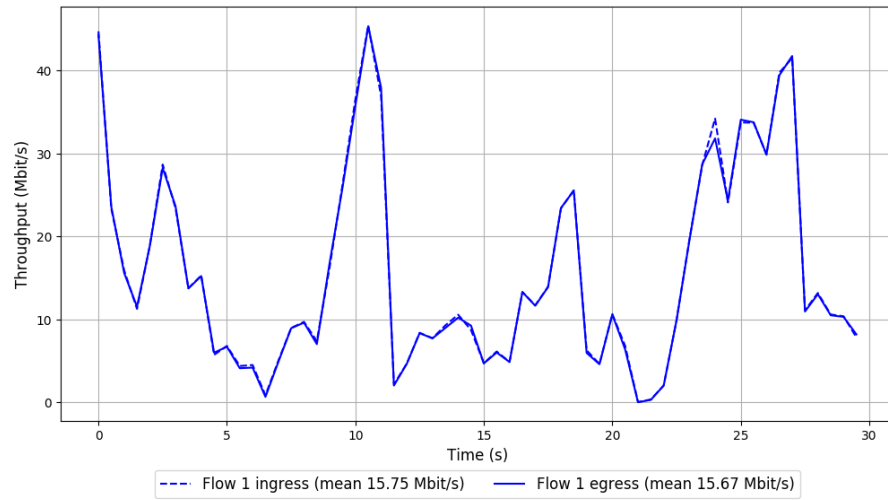
-- Flow 1:

Average throughput: 15.67 Mbit/s

95th percentile per-packet one-way delay: 9.754 ms

Loss rate: 0.53%

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

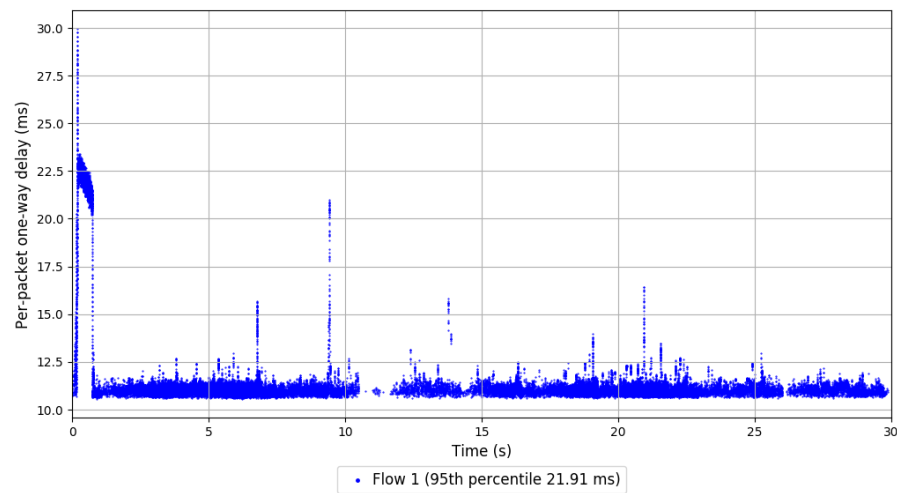
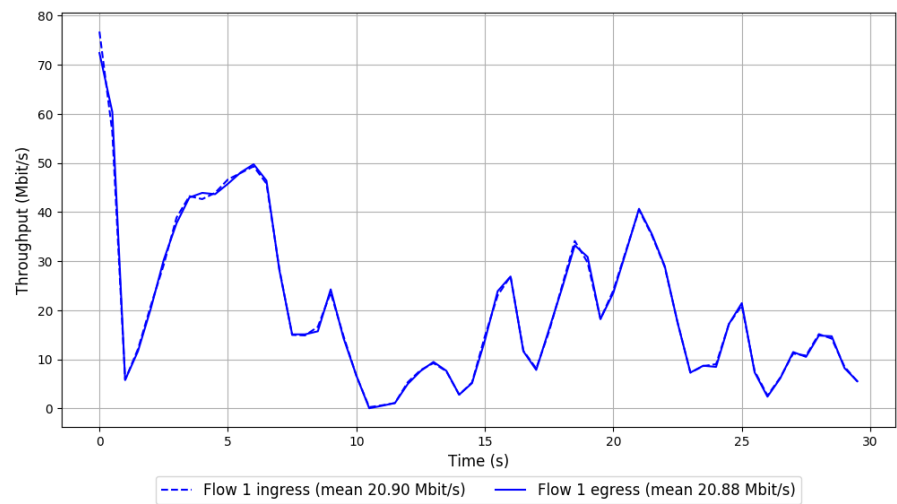


Run 6: Statistics of TCP Vegas

Start at: 2018-04-17 06:29:51  
End at: 2018-04-17 06:30:21  
Local clock offset: -4.705 ms  
Remote clock offset: -6.077 ms

# Below is generated by plot.py at 2018-04-17 08:43:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 20.88 Mbit/s  
95th percentile per-packet one-way delay: 21.905 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 20.88 Mbit/s  
95th percentile per-packet one-way delay: 21.905 ms  
Loss rate: 0.21%

Run 6: Report of TCP Vegas — Data Link



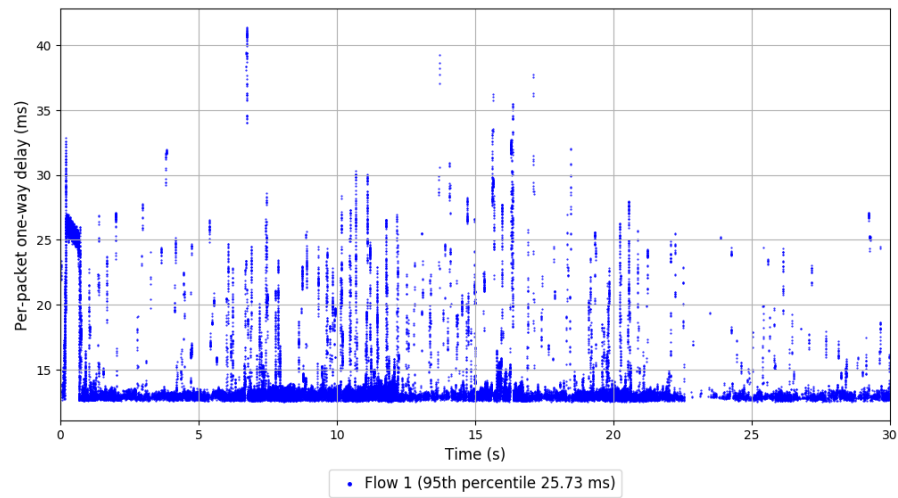
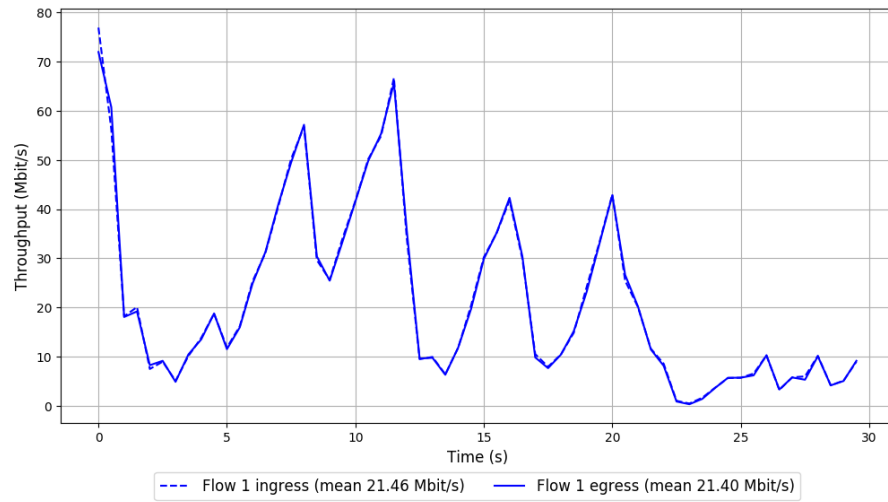
Run 7: Statistics of TCP Vegas

Start at: 2018-04-17 06:49:39  
End at: 2018-04-17 06:50:09  
Local clock offset: -11.866 ms  
Remote clock offset: -4.946 ms

# Below is generated by plot.py at 2018-04-17 08:43:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 21.40 Mbit/s  
95th percentile per-packet one-way delay: 25.731 ms  
Loss rate: 0.31%  
-- Flow 1:  
Average throughput: 21.40 Mbit/s  
95th percentile per-packet one-way delay: 25.731 ms  
Loss rate: 0.31%



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

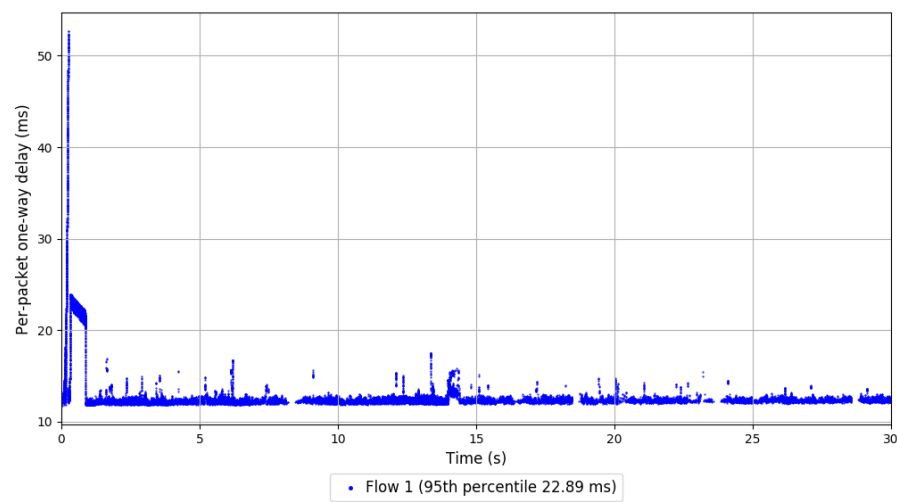
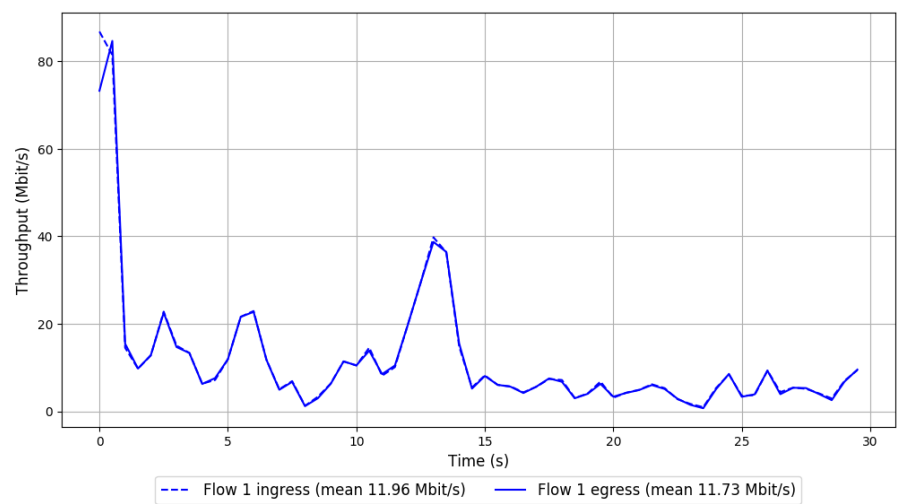


Run 8: Statistics of TCP Vegas

Start at: 2018-04-17 07:09:38  
End at: 2018-04-17 07:10:08  
Local clock offset: -10.277 ms  
Remote clock offset: -2.495 ms

# Below is generated by plot.py at 2018-04-17 08:43:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.73 Mbit/s  
95th percentile per-packet one-way delay: 22.886 ms  
Loss rate: 1.95%  
-- Flow 1:  
Average throughput: 11.73 Mbit/s  
95th percentile per-packet one-way delay: 22.886 ms  
Loss rate: 1.95%

Run 8: Report of TCP Vegas — Data Link

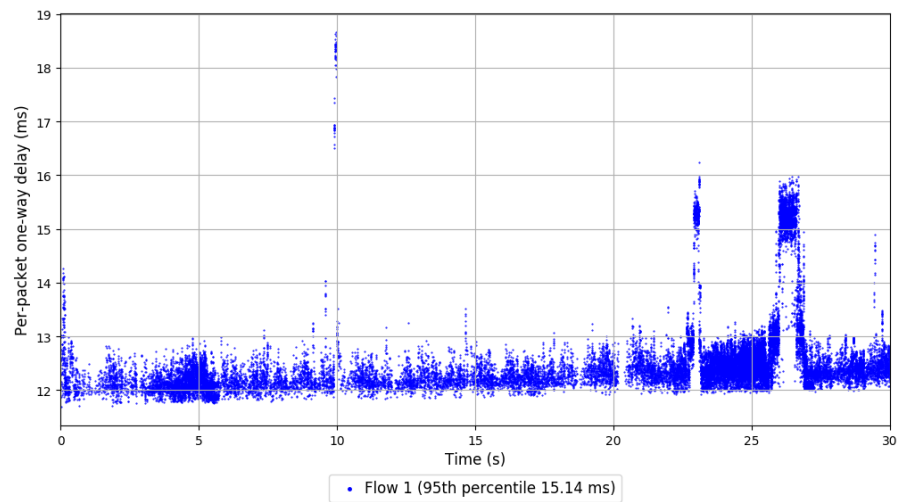
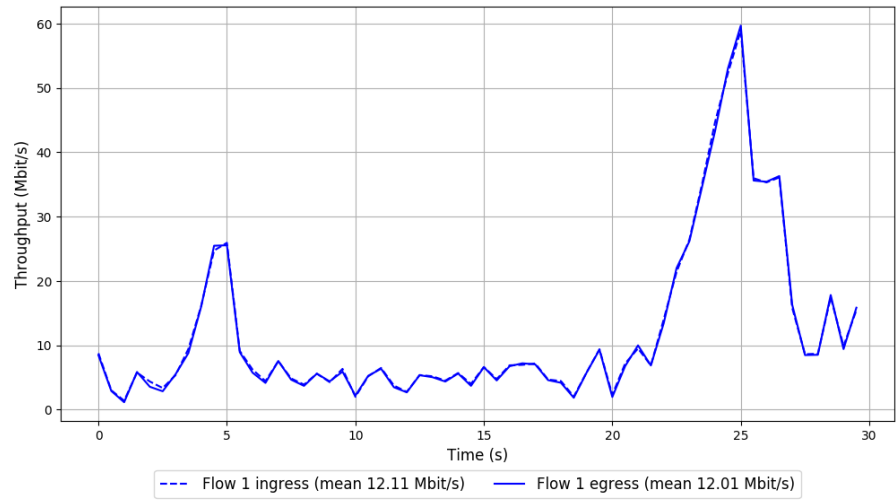


Run 9: Statistics of TCP Vegas

Start at: 2018-04-17 07:29:29  
End at: 2018-04-17 07:29:59  
Local clock offset: -3.434 ms  
Remote clock offset: -3.906 ms

# Below is generated by plot.py at 2018-04-17 08:43:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.01 Mbit/s  
95th percentile per-packet one-way delay: 15.143 ms  
Loss rate: 0.84%  
-- Flow 1:  
Average throughput: 12.01 Mbit/s  
95th percentile per-packet one-way delay: 15.143 ms  
Loss rate: 0.84%

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



Run 10: Statistics of TCP Vegas

Start at: 2018-04-17 07:49:06

End at: 2018-04-17 07:49:36

Local clock offset: -6.0 ms

Remote clock offset: -8.706 ms

# Below is generated by plot.py at 2018-04-17 08:43:27

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.55 Mbit/s

95th percentile per-packet one-way delay: 23.125 ms

Loss rate: 1.62%

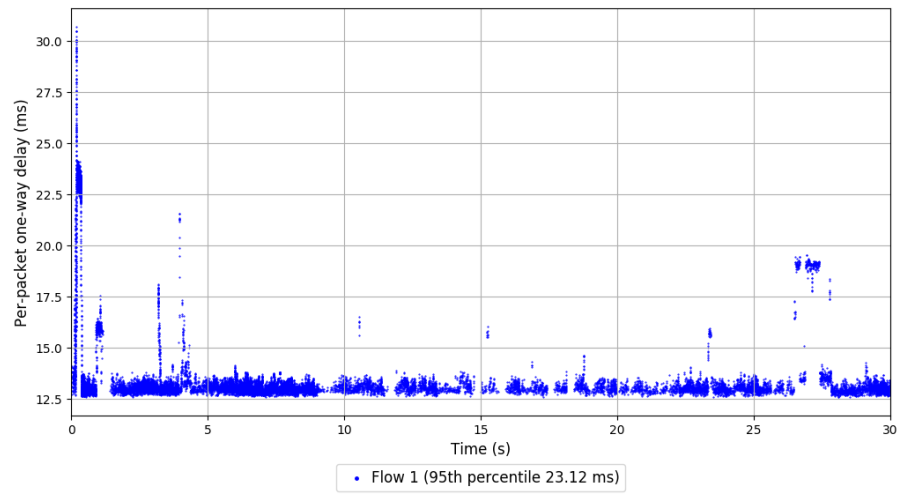
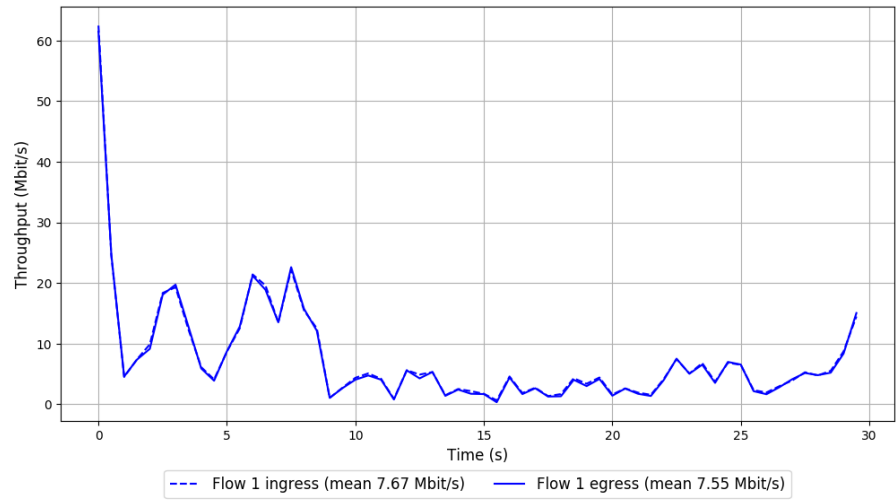
-- Flow 1:

Average throughput: 7.55 Mbit/s

95th percentile per-packet one-way delay: 23.125 ms

Loss rate: 1.62%

# Run 10: Report of TCP Vegas — Data Link



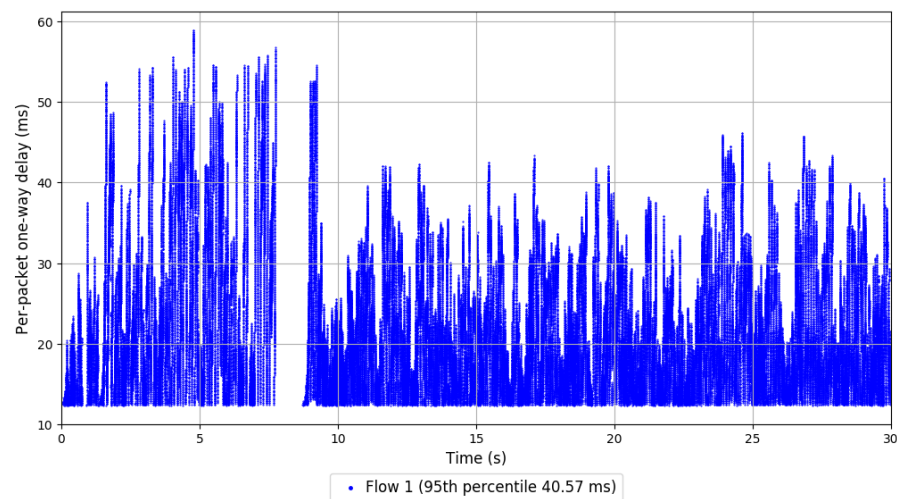
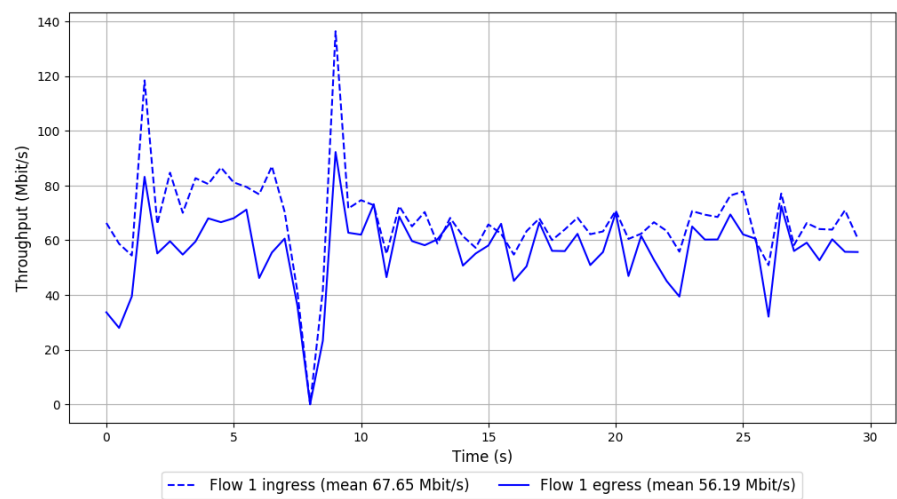
Run 1: Statistics of Verus

Start at: 2018-04-17 04:48:09  
End at: 2018-04-17 04:48:39  
Local clock offset: -4.588 ms  
Remote clock offset: -7.641 ms

# Below is generated by plot.py at 2018-04-17 08:43:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 56.19 Mbit/s  
95th percentile per-packet one-way delay: 40.571 ms  
Loss rate: 16.92%  
-- Flow 1:  
Average throughput: 56.19 Mbit/s  
95th percentile per-packet one-way delay: 40.571 ms  
Loss rate: 16.92%



Run 1: Report of Verus — Data Link

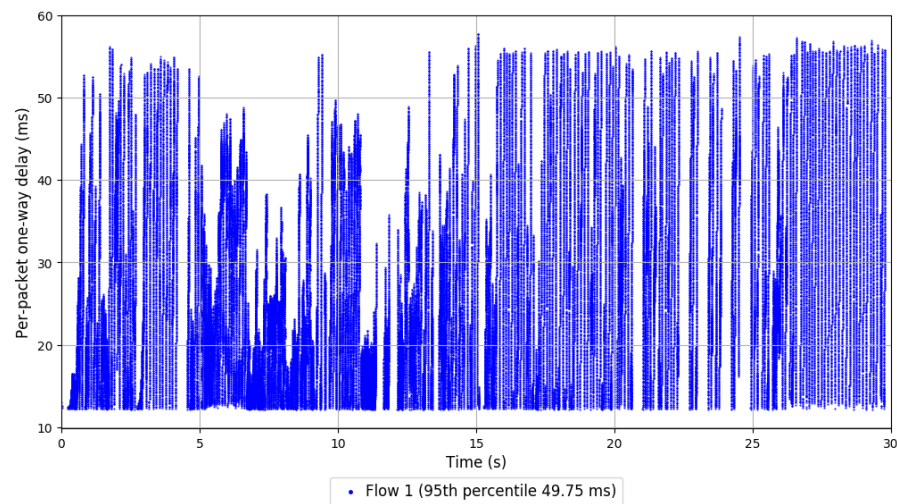
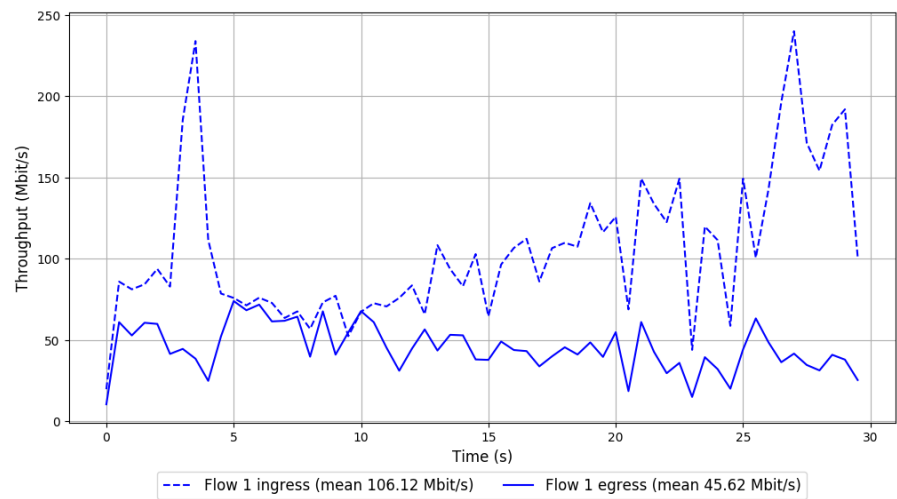


Run 2: Statistics of Verus

Start at: 2018-04-17 05:08:04  
End at: 2018-04-17 05:08:34  
Local clock offset: -9.218 ms  
Remote clock offset: -7.788 ms

# Below is generated by plot.py at 2018-04-17 08:43:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 45.62 Mbit/s  
95th percentile per-packet one-way delay: 49.747 ms  
Loss rate: 56.99%  
-- Flow 1:  
Average throughput: 45.62 Mbit/s  
95th percentile per-packet one-way delay: 49.747 ms  
Loss rate: 56.99%

Run 2: Report of Verus — Data Link

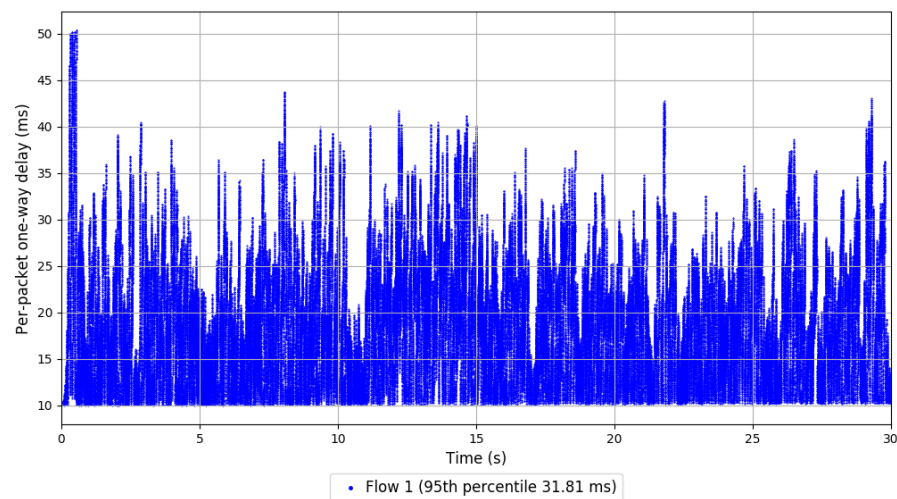
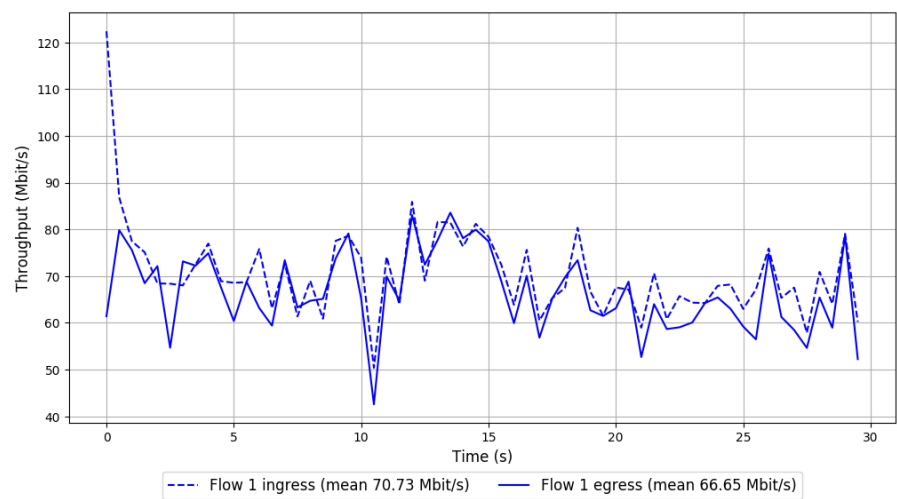


Run 3: Statistics of Verus

Start at: 2018-04-17 05:27:45  
End at: 2018-04-17 05:28:15  
Local clock offset: -5.522 ms  
Remote clock offset: -8.623 ms

# Below is generated by plot.py at 2018-04-17 08:43:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 66.65 Mbit/s  
95th percentile per-packet one-way delay: 31.814 ms  
Loss rate: 5.77%  
-- Flow 1:  
Average throughput: 66.65 Mbit/s  
95th percentile per-packet one-way delay: 31.814 ms  
Loss rate: 5.77%

Run 3: Report of Verus — Data Link

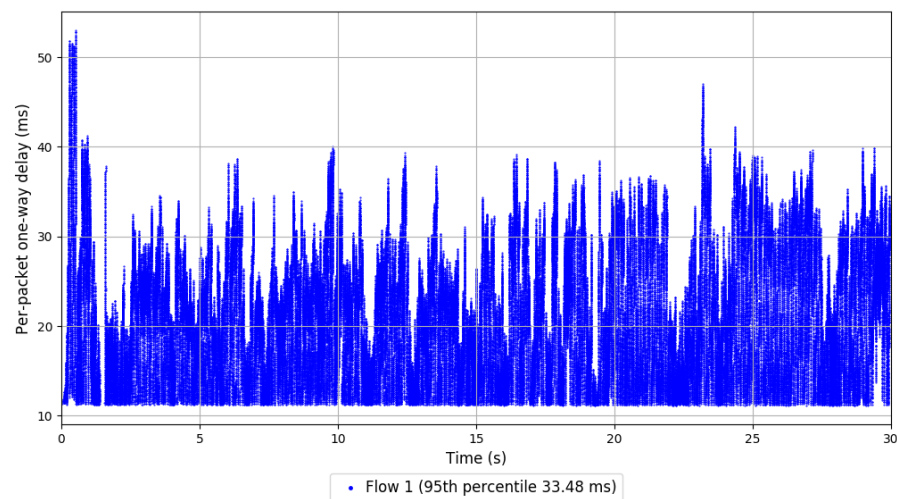
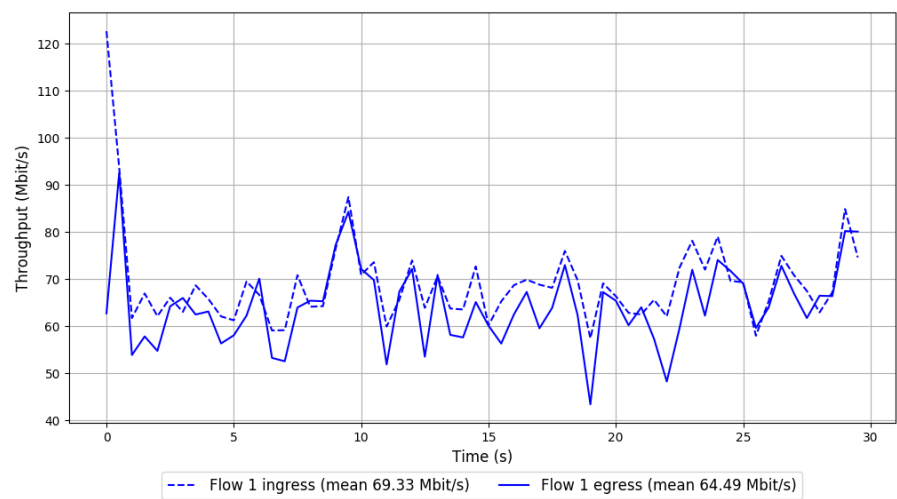


Run 4: Statistics of Verus

Start at: 2018-04-17 05:47:47  
End at: 2018-04-17 05:48:17  
Local clock offset: -3.36 ms  
Remote clock offset: -6.841 ms

# Below is generated by plot.py at 2018-04-17 08:43:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 64.49 Mbit/s  
95th percentile per-packet one-way delay: 33.484 ms  
Loss rate: 6.91%  
-- Flow 1:  
Average throughput: 64.49 Mbit/s  
95th percentile per-packet one-way delay: 33.484 ms  
Loss rate: 6.91%

Run 4: Report of Verus — Data Link



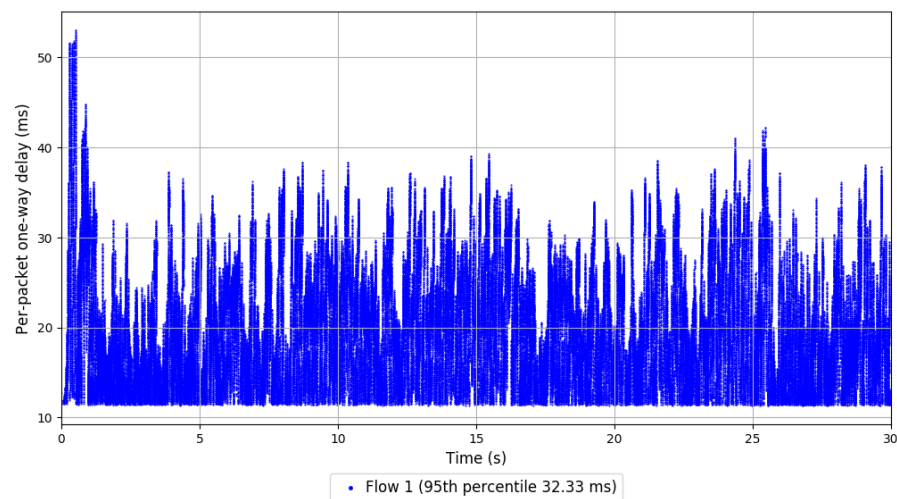
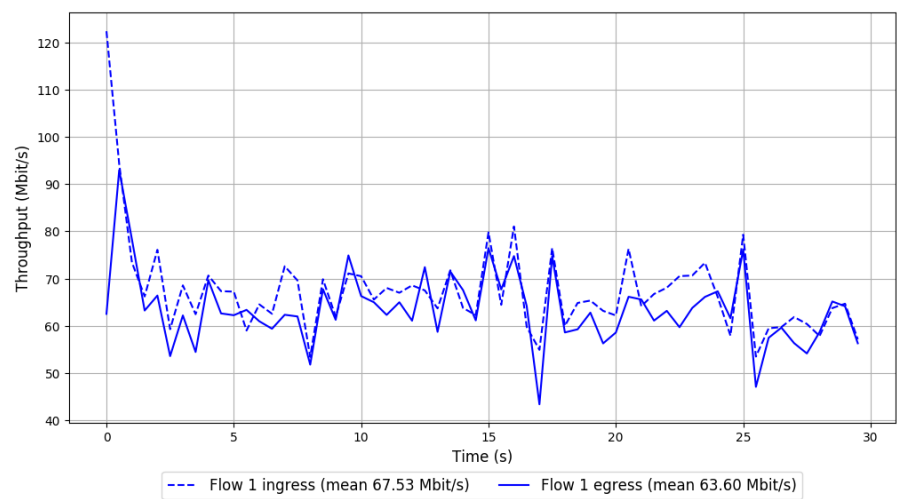
Run 5: Statistics of Verus

Start at: 2018-04-17 06:07:30  
End at: 2018-04-17 06:08:00  
Local clock offset: -5.285 ms  
Remote clock offset: -4.286 ms

# Below is generated by plot.py at 2018-04-17 08:43:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 63.60 Mbit/s  
95th percentile per-packet one-way delay: 32.326 ms  
Loss rate: 5.81%  
-- Flow 1:  
Average throughput: 63.60 Mbit/s  
95th percentile per-packet one-way delay: 32.326 ms  
Loss rate: 5.81%



Run 5: Report of Verus — Data Link

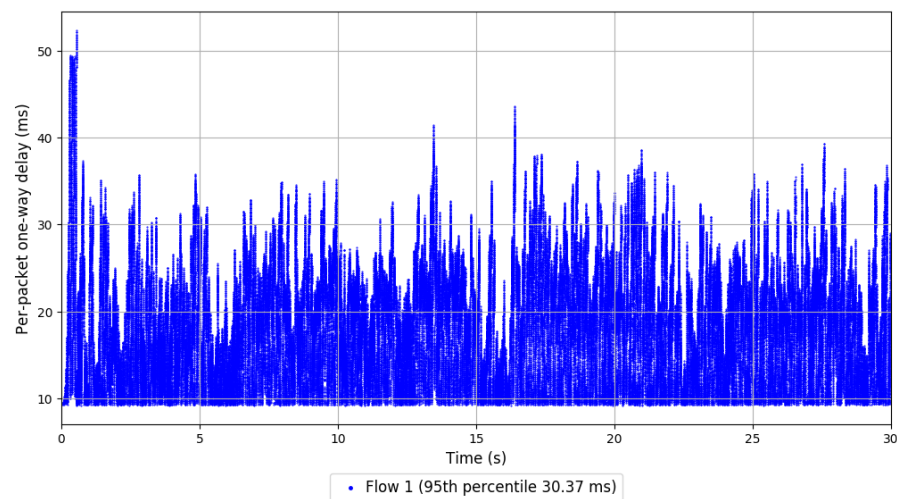
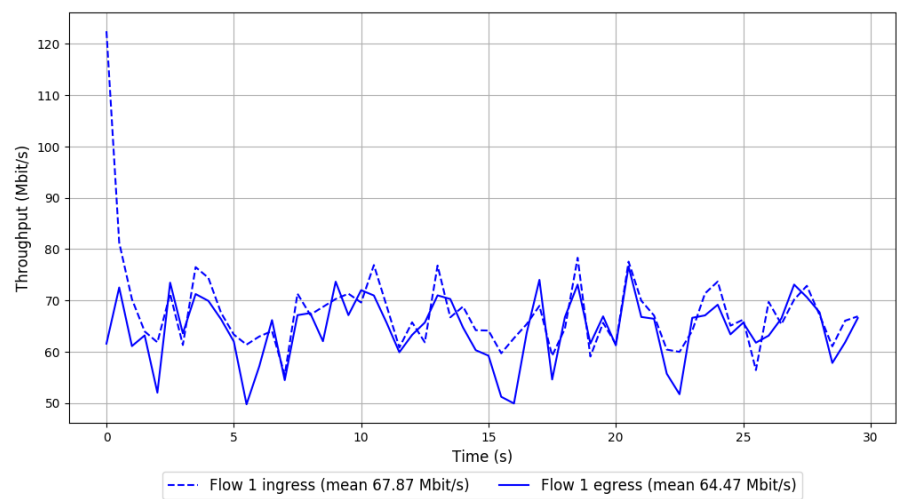


Run 6: Statistics of Verus

Start at: 2018-04-17 06:27:28  
End at: 2018-04-17 06:27:58  
Local clock offset: -3.225 ms  
Remote clock offset: -5.805 ms

# Below is generated by plot.py at 2018-04-17 08:43:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 64.47 Mbit/s  
95th percentile per-packet one-way delay: 30.369 ms  
Loss rate: 4.95%  
-- Flow 1:  
Average throughput: 64.47 Mbit/s  
95th percentile per-packet one-way delay: 30.369 ms  
Loss rate: 4.95%

Run 6: Report of Verus — Data Link

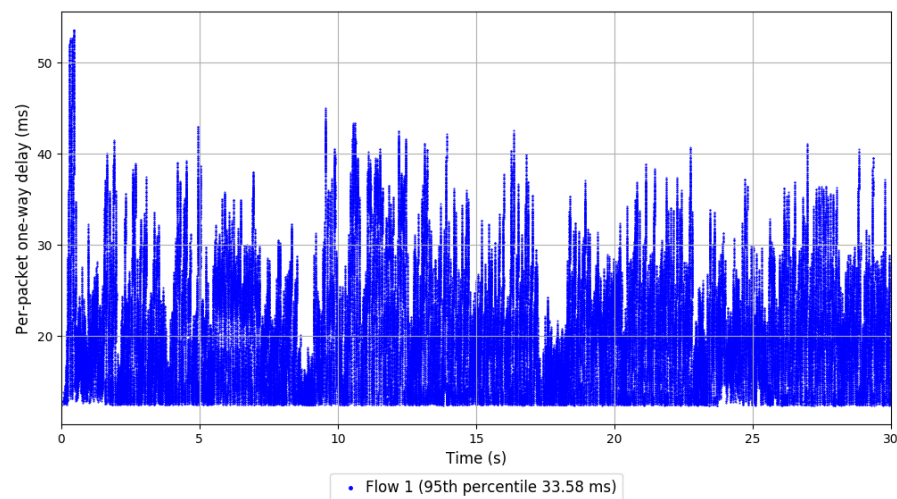
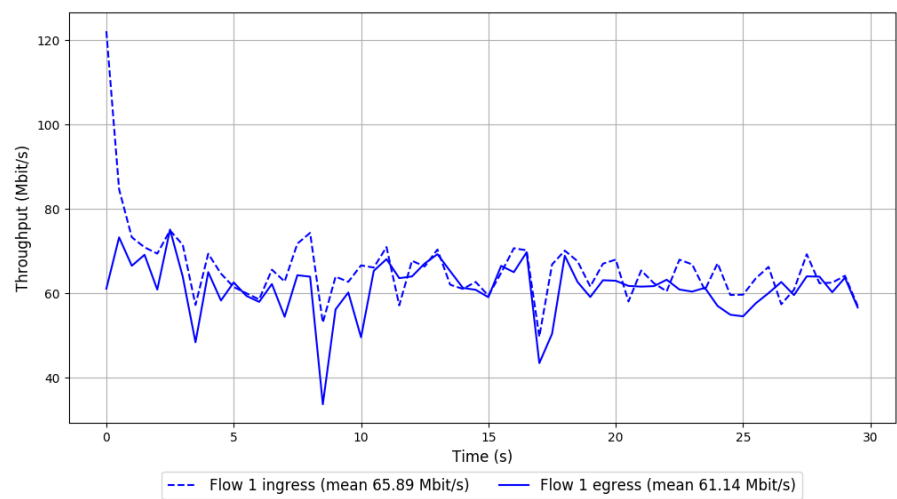


Run 7: Statistics of Verus

Start at: 2018-04-17 06:47:19  
End at: 2018-04-17 06:47:49  
Local clock offset: -11.627 ms  
Remote clock offset: -6.214 ms

# Below is generated by plot.py at 2018-04-17 08:43:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 61.14 Mbit/s  
95th percentile per-packet one-way delay: 33.583 ms  
Loss rate: 7.19%  
-- Flow 1:  
Average throughput: 61.14 Mbit/s  
95th percentile per-packet one-way delay: 33.583 ms  
Loss rate: 7.19%

Run 7: Report of Verus — Data Link

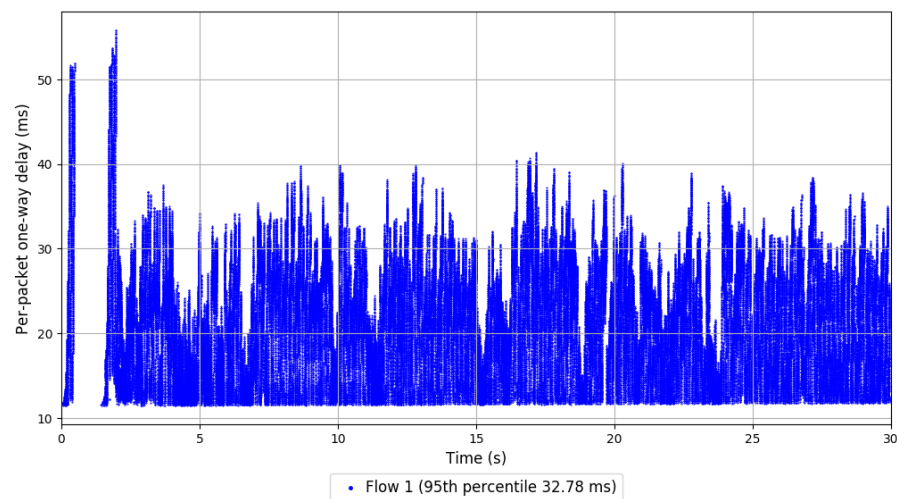
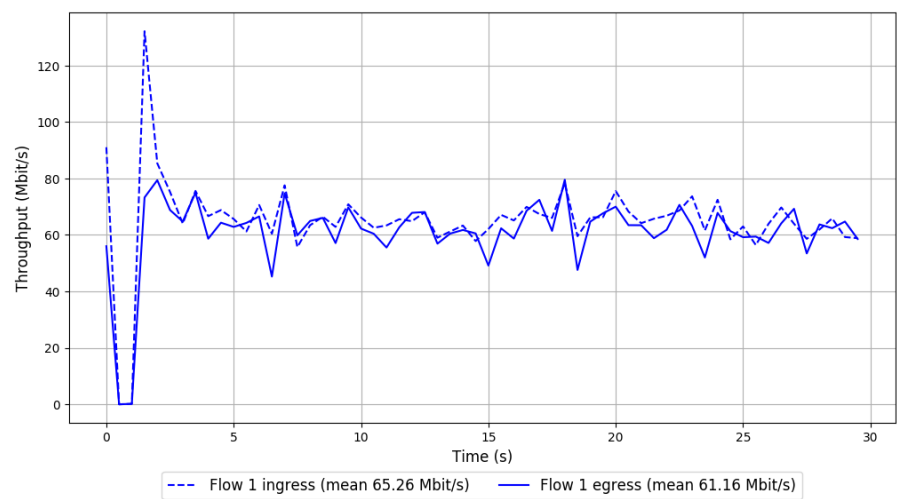


Run 8: Statistics of Verus

Start at: 2018-04-17 07:07:18  
End at: 2018-04-17 07:07:48  
Local clock offset: -10.499 ms  
Remote clock offset: -2.81 ms

# Below is generated by plot.py at 2018-04-17 08:43:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 61.16 Mbit/s  
95th percentile per-packet one-way delay: 32.780 ms  
Loss rate: 6.28%  
-- Flow 1:  
Average throughput: 61.16 Mbit/s  
95th percentile per-packet one-way delay: 32.780 ms  
Loss rate: 6.28%

Run 8: Report of Verus — Data Link



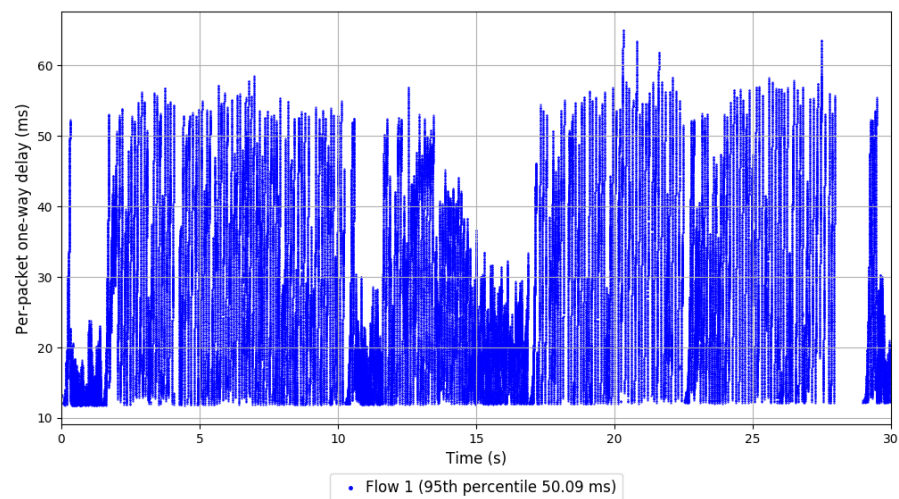
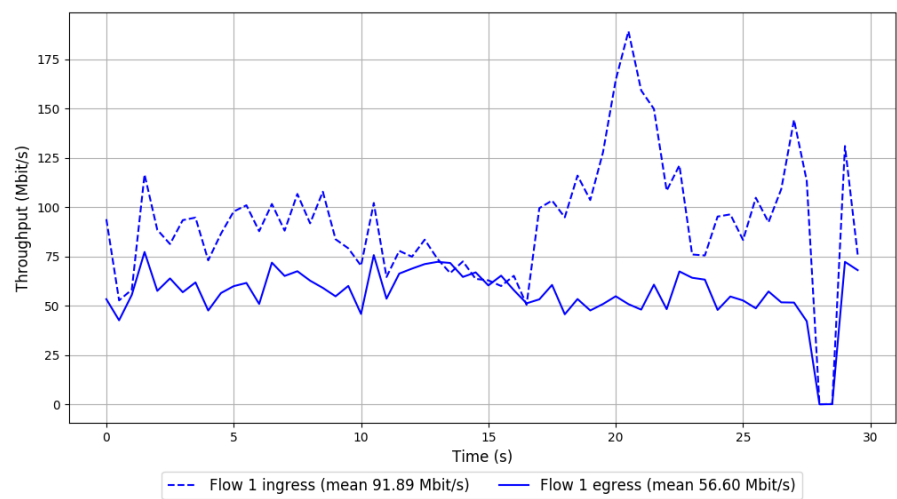
Run 9: Statistics of Verus

Start at: 2018-04-17 07:27:13  
End at: 2018-04-17 07:27:43  
Local clock offset: -4.777 ms  
Remote clock offset: -2.524 ms

# Below is generated by plot.py at 2018-04-17 08:43:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 56.60 Mbit/s  
95th percentile per-packet one-way delay: 50.095 ms  
Loss rate: 38.38%  
-- Flow 1:  
Average throughput: 56.60 Mbit/s  
95th percentile per-packet one-way delay: 50.095 ms  
Loss rate: 38.38%



Run 9: Report of Verus — Data Link

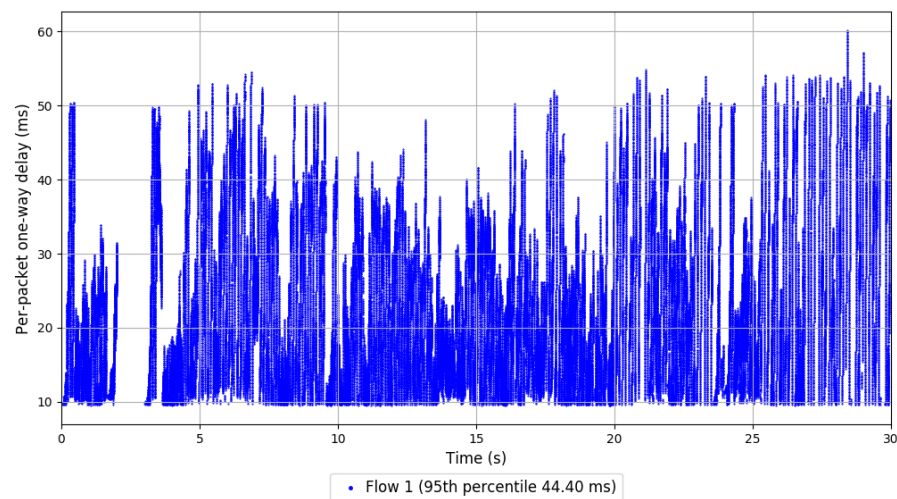
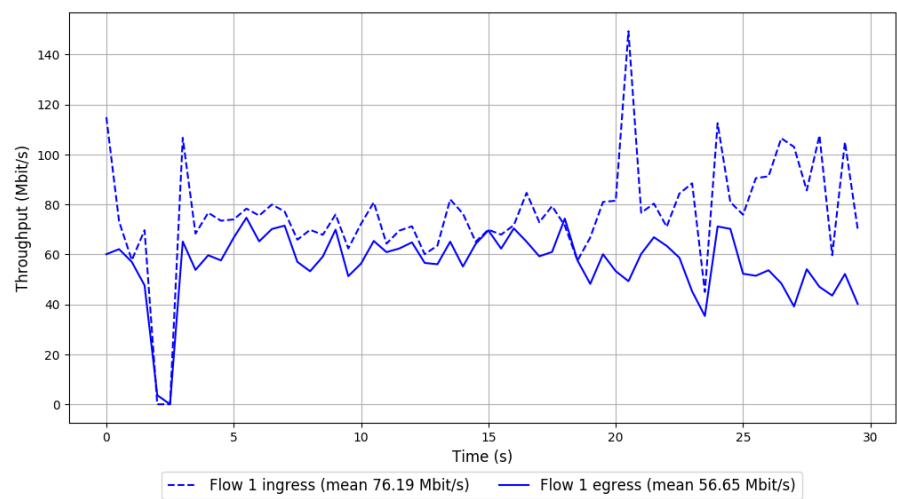


Run 10: Statistics of Verus

Start at: 2018-04-17 07:46:49  
End at: 2018-04-17 07:47:19  
Local clock offset: -3.969 ms  
Remote clock offset: -9.055 ms

# Below is generated by plot.py at 2018-04-17 08:43:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 56.65 Mbit/s  
95th percentile per-packet one-way delay: 44.403 ms  
Loss rate: 25.55%  
-- Flow 1:  
Average throughput: 56.65 Mbit/s  
95th percentile per-packet one-way delay: 44.403 ms  
Loss rate: 25.55%

Run 10: Report of Verus — Data Link

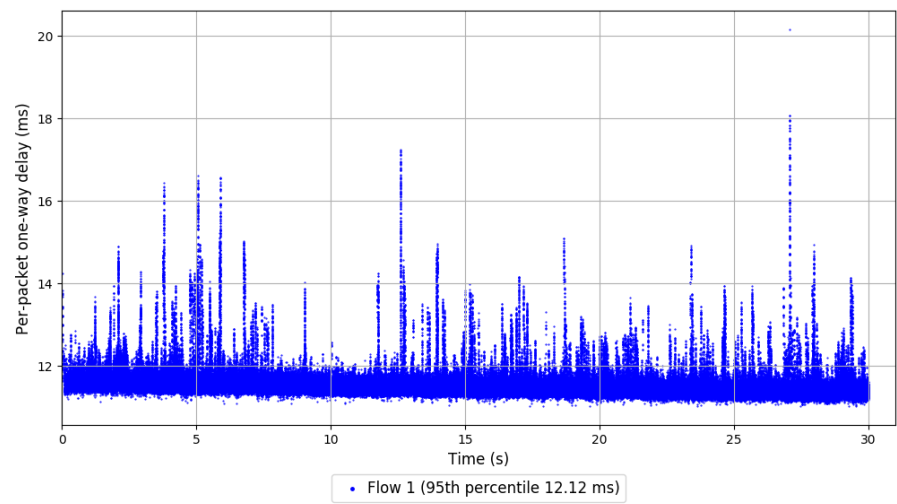
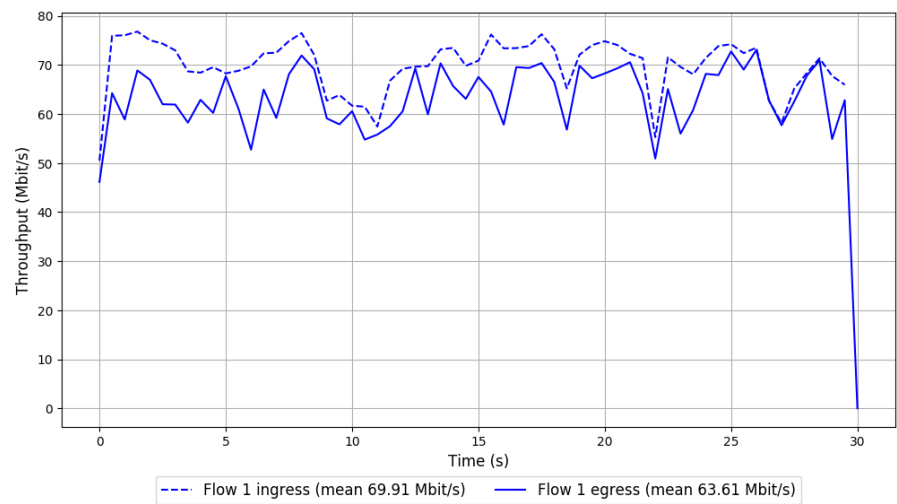


Run 1: Statistics of Copa

Start at: 2018-04-17 04:52:39  
End at: 2018-04-17 04:53:09  
Local clock offset: -6.071 ms  
Remote clock offset: -8.589 ms

# Below is generated by plot.py at 2018-04-17 08:44:26  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 63.61 Mbit/s  
95th percentile per-packet one-way delay: 12.116 ms  
Loss rate: 9.01%  
-- Flow 1:  
Average throughput: 63.61 Mbit/s  
95th percentile per-packet one-way delay: 12.116 ms  
Loss rate: 9.01%

Run 1: Report of Copa — Data Link

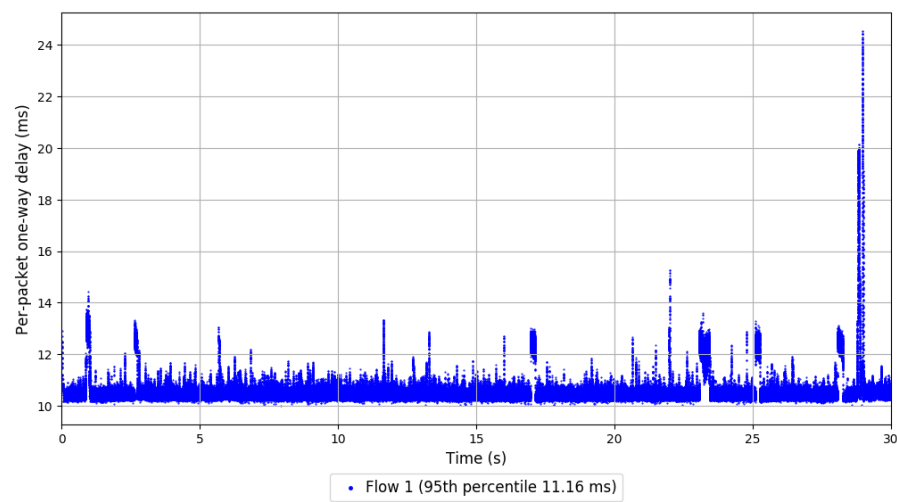
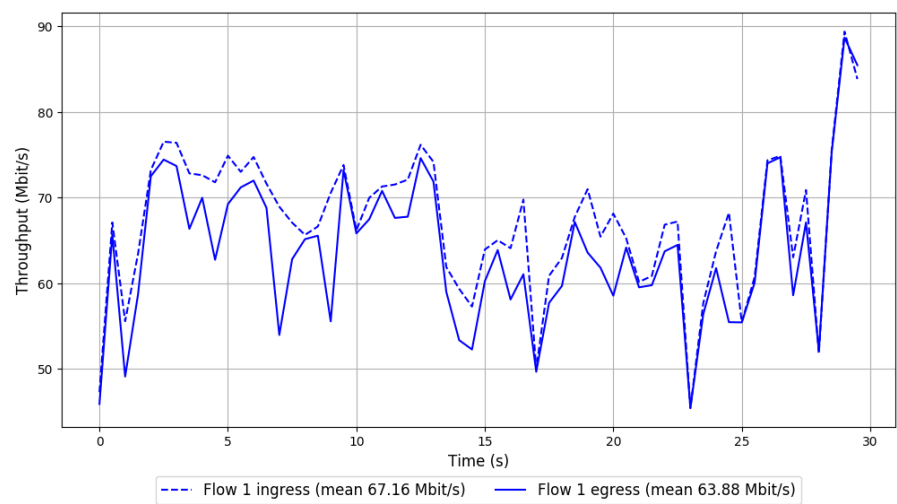


Run 2: Statistics of Copa

Start at: 2018-04-17 05:12:31  
End at: 2018-04-17 05:13:01  
Local clock offset: -7.18 ms  
Remote clock offset: -7.756 ms

# Below is generated by plot.py at 2018-04-17 08:44:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 63.88 Mbit/s  
95th percentile per-packet one-way delay: 11.161 ms  
Loss rate: 4.89%  
-- Flow 1:  
Average throughput: 63.88 Mbit/s  
95th percentile per-packet one-way delay: 11.161 ms  
Loss rate: 4.89%

Run 2: Report of Copa — Data Link



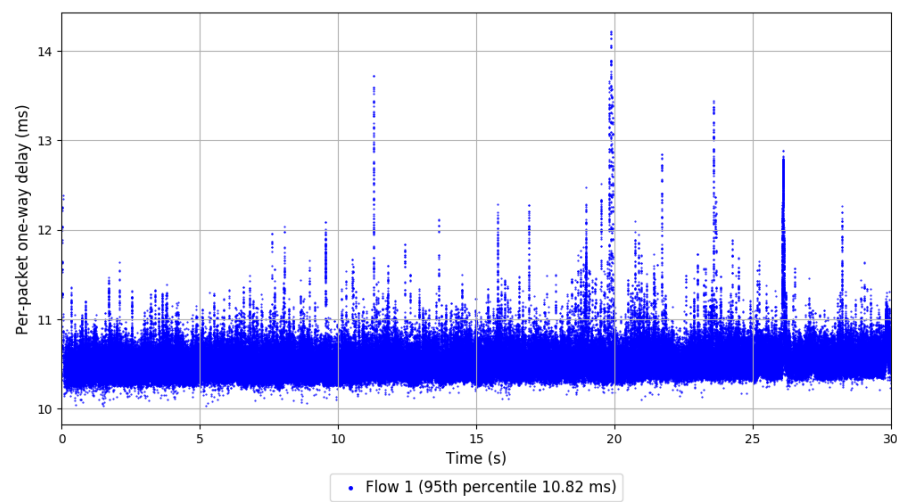
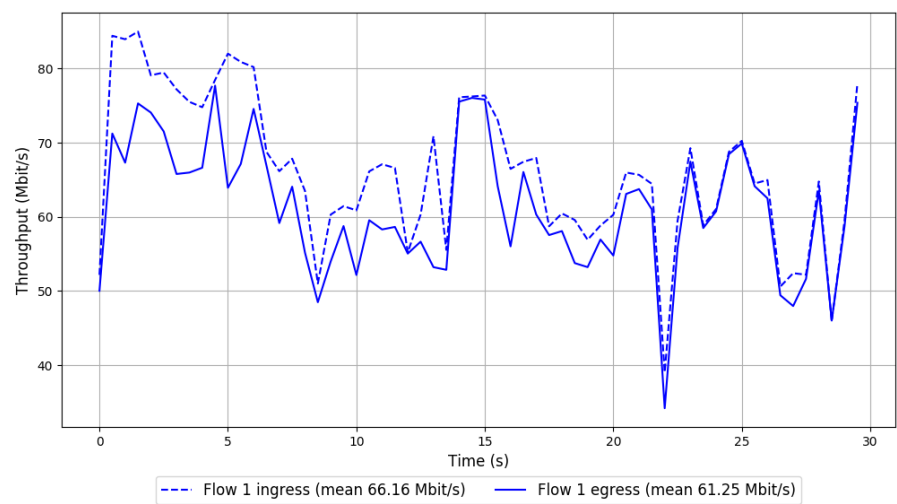
Run 3: Statistics of Copa

Start at: 2018-04-17 05:32:17  
End at: 2018-04-17 05:32:47  
Local clock offset: -3.569 ms  
Remote clock offset: -8.153 ms

# Below is generated by plot.py at 2018-04-17 08:44:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 61.25 Mbit/s  
95th percentile per-packet one-way delay: 10.821 ms  
Loss rate: 7.42%  
-- Flow 1:  
Average throughput: 61.25 Mbit/s  
95th percentile per-packet one-way delay: 10.821 ms  
Loss rate: 7.42%



Run 3: Report of Copa — Data Link

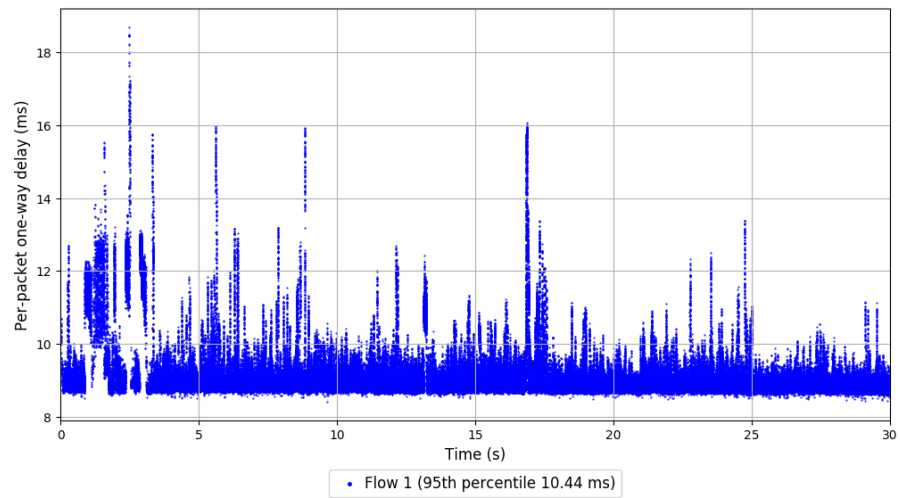
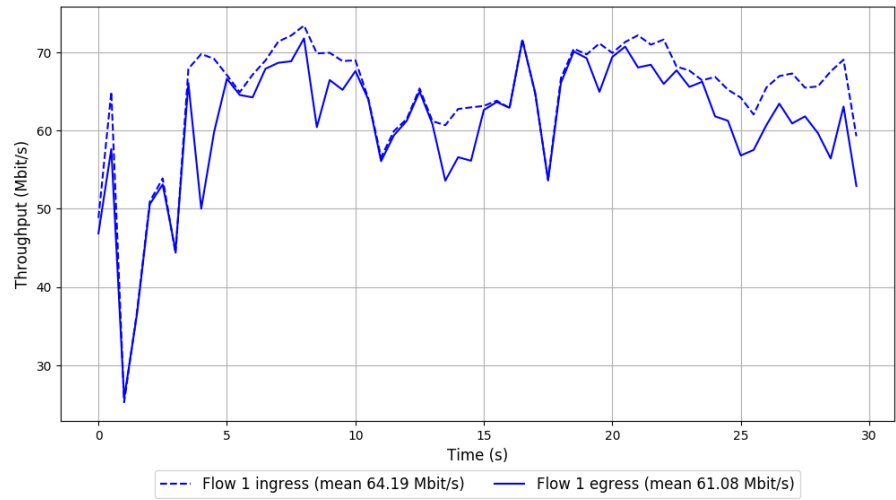


Run 4: Statistics of Copa

Start at: 2018-04-17 05:52:15  
End at: 2018-04-17 05:52:45  
Local clock offset: -0.967 ms  
Remote clock offset: -6.415 ms

# Below is generated by plot.py at 2018-04-17 08:45:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 61.08 Mbit/s  
95th percentile per-packet one-way delay: 10.440 ms  
Loss rate: 4.85%  
-- Flow 1:  
Average throughput: 61.08 Mbit/s  
95th percentile per-packet one-way delay: 10.440 ms  
Loss rate: 4.85%

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

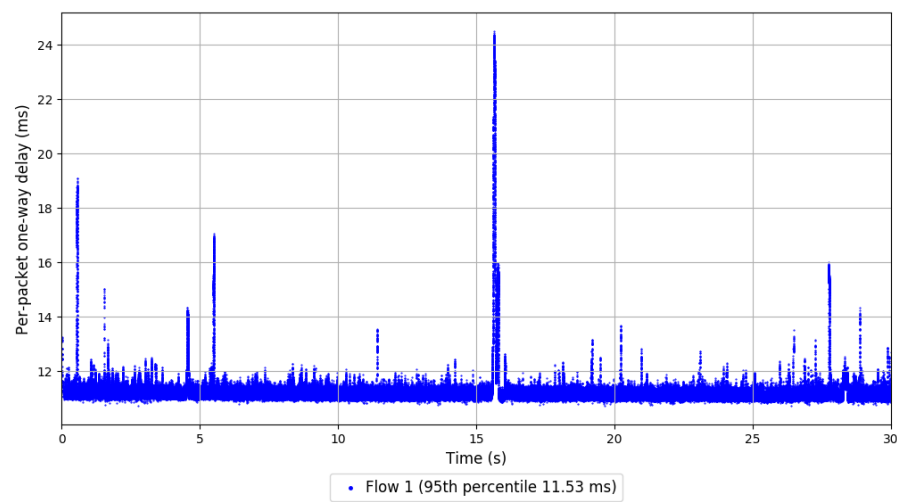
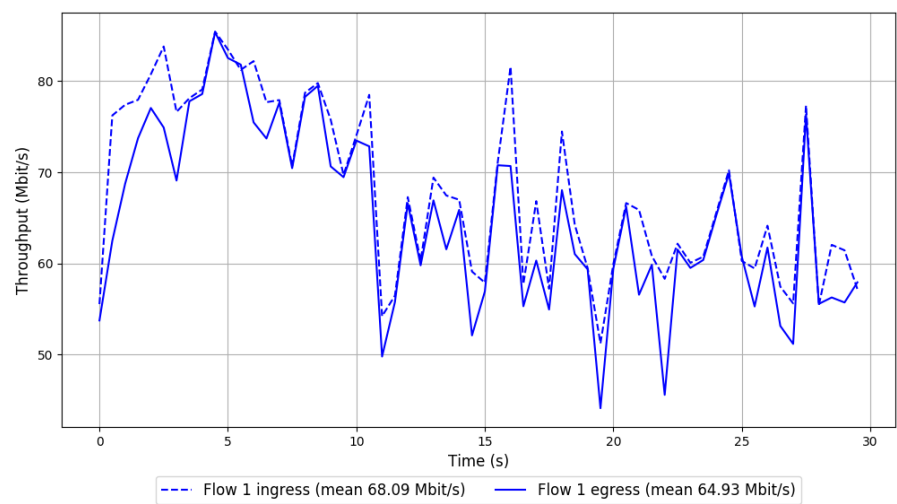


Run 5: Statistics of Copa

Start at: 2018-04-17 06:12:08  
End at: 2018-04-17 06:12:38  
Local clock offset: -3.448 ms  
Remote clock offset: -3.406 ms

# Below is generated by plot.py at 2018-04-17 08:45:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 64.93 Mbit/s  
95th percentile per-packet one-way delay: 11.529 ms  
Loss rate: 4.63%  
-- Flow 1:  
Average throughput: 64.93 Mbit/s  
95th percentile per-packet one-way delay: 11.529 ms  
Loss rate: 4.63%

Run 5: Report of Copa — Data Link

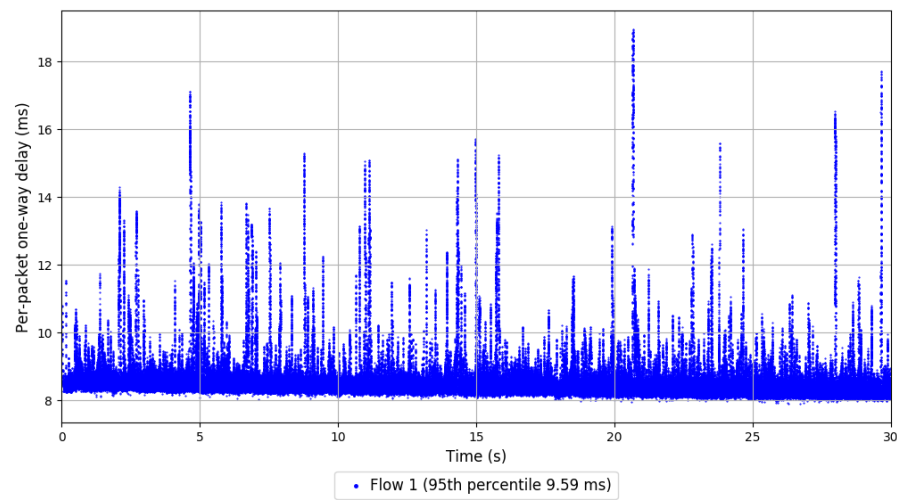
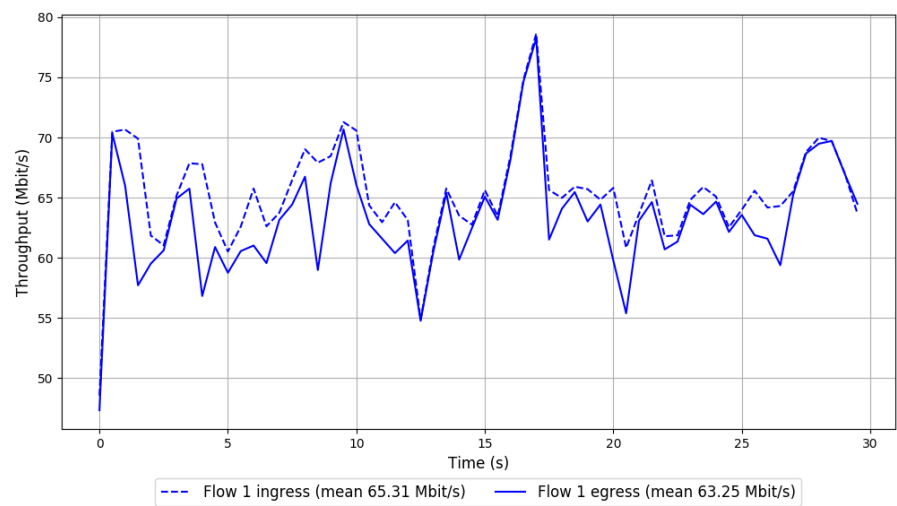


Run 6: Statistics of Copa

Start at: 2018-04-17 06:32:03  
End at: 2018-04-17 06:32:33  
Local clock offset: -3.432 ms  
Remote clock offset: -5.868 ms

# Below is generated by plot.py at 2018-04-17 08:45:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 63.25 Mbit/s  
95th percentile per-packet one-way delay: 9.588 ms  
Loss rate: 3.16%  
-- Flow 1:  
Average throughput: 63.25 Mbit/s  
95th percentile per-packet one-way delay: 9.588 ms  
Loss rate: 3.16%

Run 6: Report of Copa — Data Link



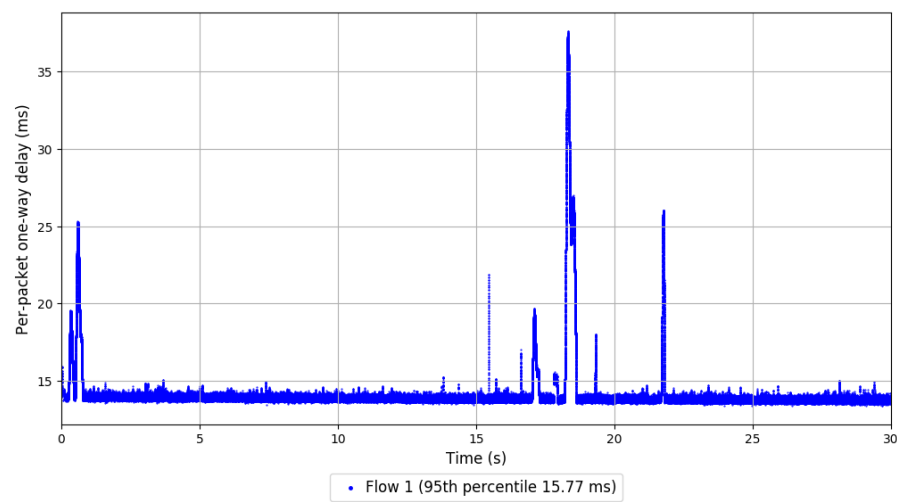
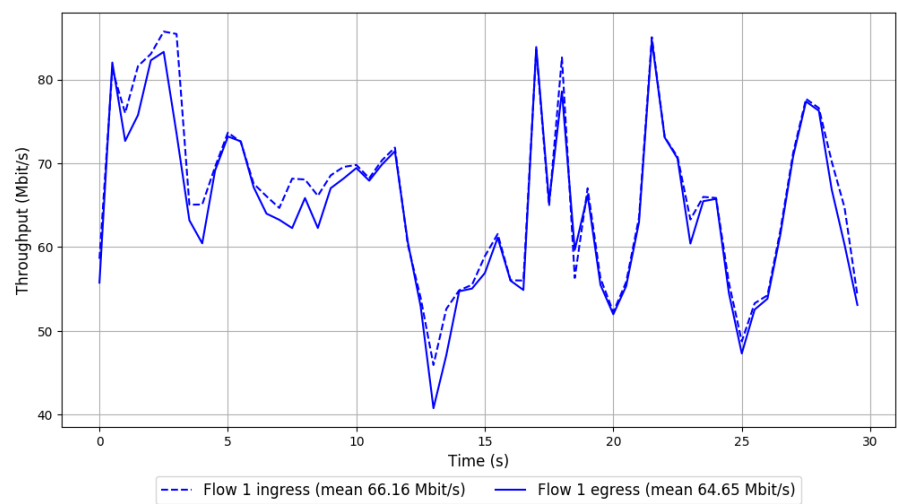
Run 7: Statistics of Copa

Start at: 2018-04-17 06:51:51  
End at: 2018-04-17 06:52:21  
Local clock offset: -11.918 ms  
Remote clock offset: -4.515 ms

# Below is generated by plot.py at 2018-04-17 08:45:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 64.65 Mbit/s  
95th percentile per-packet one-way delay: 15.768 ms  
Loss rate: 2.29%  
-- Flow 1:  
Average throughput: 64.65 Mbit/s  
95th percentile per-packet one-way delay: 15.768 ms  
Loss rate: 2.29%



Run 7: Report of Copa — Data Link

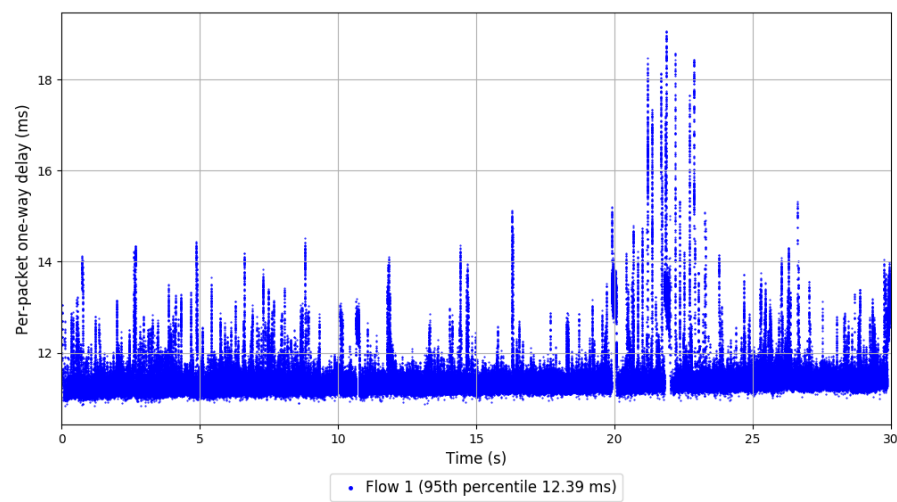
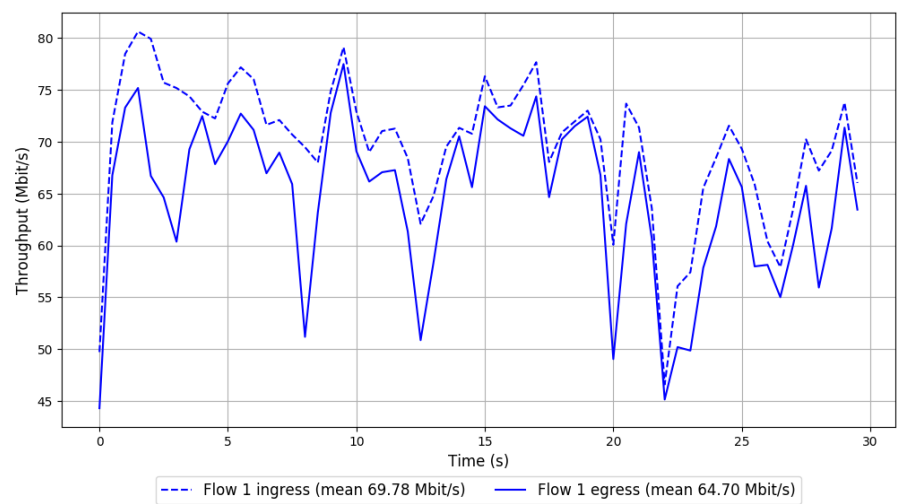


Run 8: Statistics of Copa

Start at: 2018-04-17 07:11:49  
End at: 2018-04-17 07:12:20  
Local clock offset: -9.21 ms  
Remote clock offset: -3.211 ms

# Below is generated by plot.py at 2018-04-17 08:45:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 64.70 Mbit/s  
95th percentile per-packet one-way delay: 12.387 ms  
Loss rate: 7.28%  
-- Flow 1:  
Average throughput: 64.70 Mbit/s  
95th percentile per-packet one-way delay: 12.387 ms  
Loss rate: 7.28%

Run 8: Report of Copa — Data Link

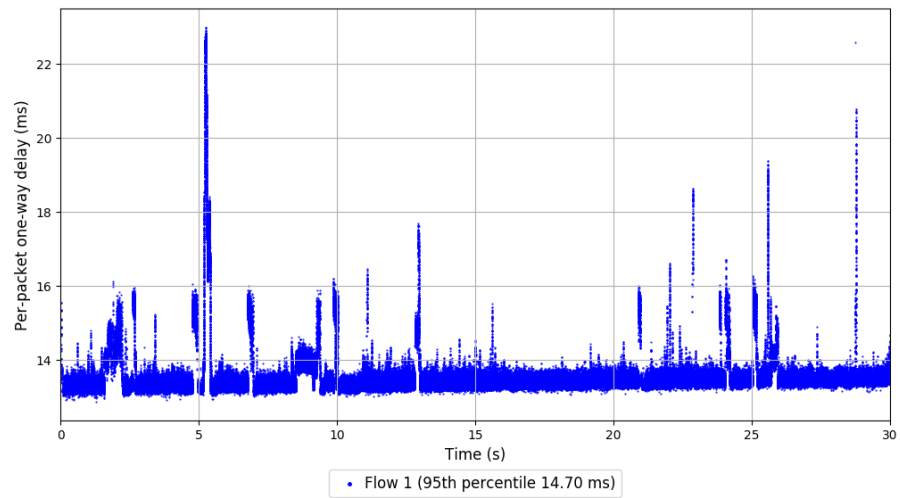
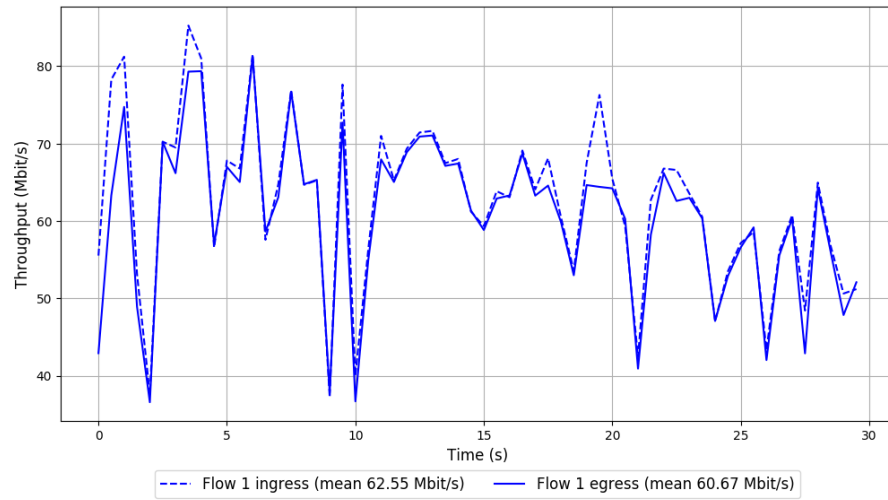


Run 9: Statistics of Copa

Start at: 2018-04-17 07:31:40  
End at: 2018-04-17 07:32:10  
Local clock offset: -4.48 ms  
Remote clock offset: -4.924 ms

# Below is generated by plot.py at 2018-04-17 08:46:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 60.67 Mbit/s  
95th percentile per-packet one-way delay: 14.701 ms  
Loss rate: 3.02%  
-- Flow 1:  
Average throughput: 60.67 Mbit/s  
95th percentile per-packet one-way delay: 14.701 ms  
Loss rate: 3.02%

### Run 9: Report of Copa — Data Link



Run 10: Statistics of Copa

Start at: 2018-04-17 07:51:16

End at: 2018-04-17 07:51:46

Local clock offset: -6.021 ms

Remote clock offset: -8.55 ms

# Below is generated by plot.py at 2018-04-17 08:46:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 59.54 Mbit/s

95th percentile per-packet one-way delay: 13.146 ms

Loss rate: 6.57%

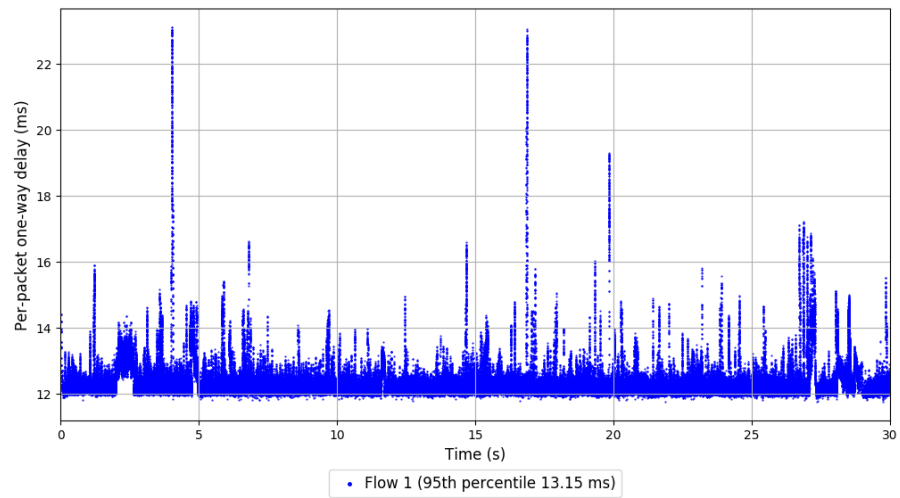
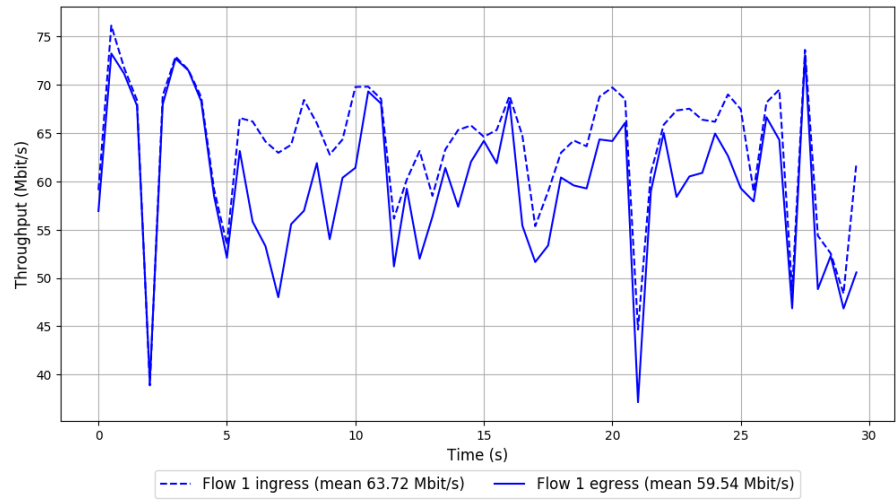
-- Flow 1:

Average throughput: 59.54 Mbit/s

95th percentile per-packet one-way delay: 13.146 ms

Loss rate: 6.57%

### Run 10: Report of Copa — Data Link



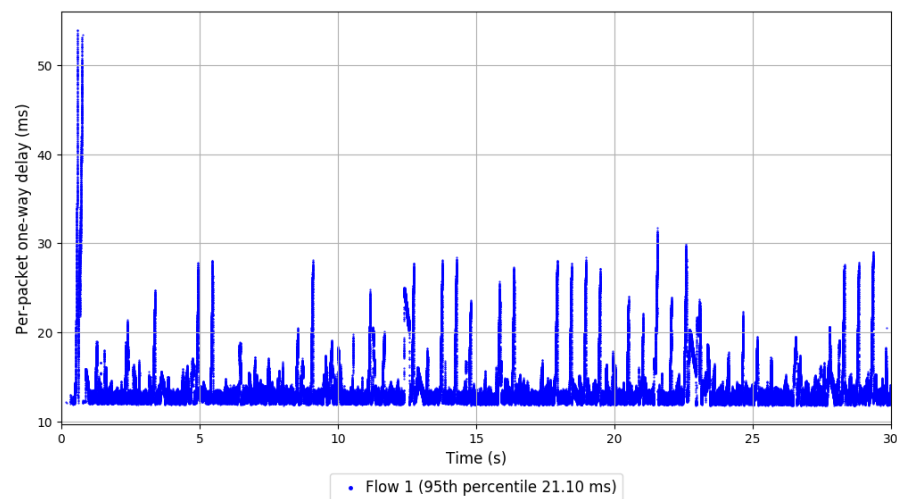
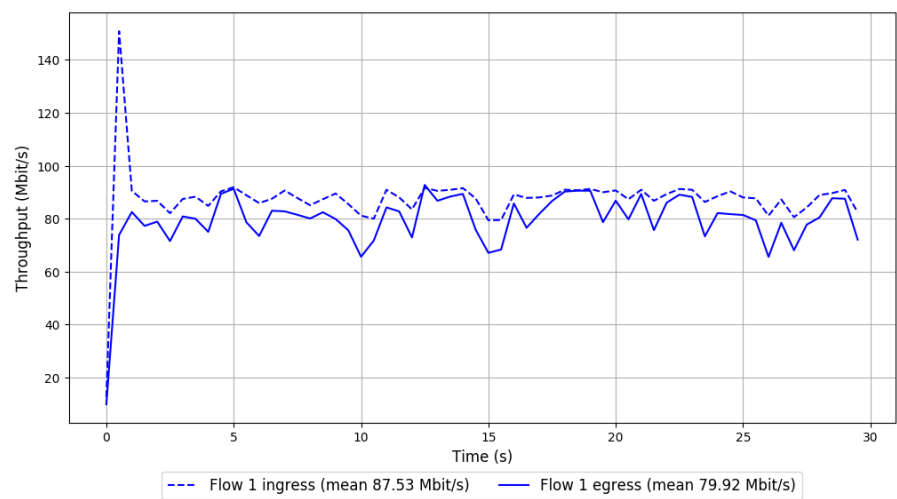
Run 1: Statistics of FillP

Start at: 2018-04-17 04:53:53  
End at: 2018-04-17 04:54:23  
Local clock offset: -6.464 ms  
Remote clock offset: -7.824 ms

# Below is generated by plot.py at 2018-04-17 08:46:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.92 Mbit/s  
95th percentile per-packet one-way delay: 21.101 ms  
Loss rate: 9.15%  
-- Flow 1:  
Average throughput: 79.92 Mbit/s  
95th percentile per-packet one-way delay: 21.101 ms  
Loss rate: 9.15%



Run 1: Report of FillP — Data Link

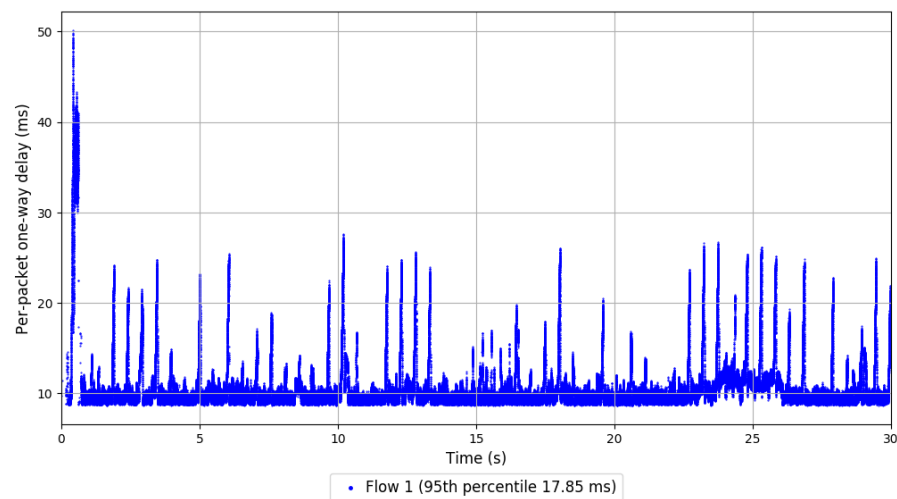
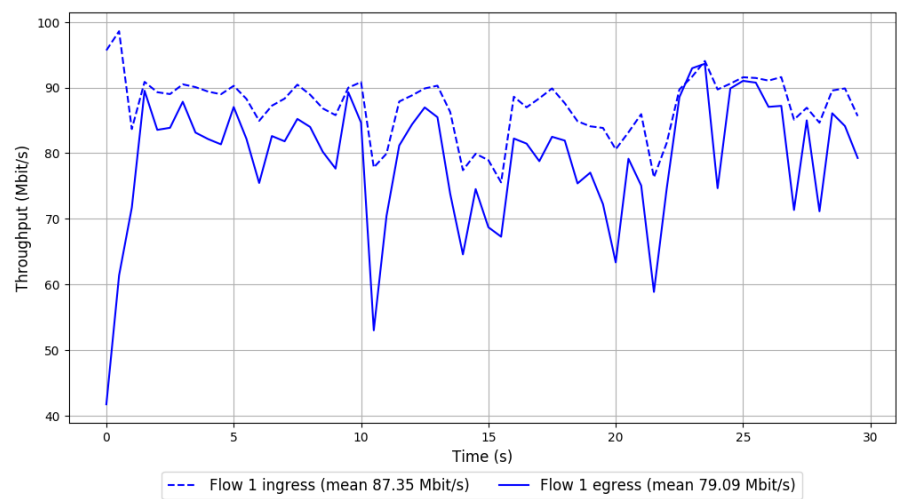


Run 2: Statistics of FillP

Start at: 2018-04-17 05:13:46  
End at: 2018-04-17 05:14:16  
Local clock offset: -7.059 ms  
Remote clock offset: -8.567 ms

# Below is generated by plot.py at 2018-04-17 08:46:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.09 Mbit/s  
95th percentile per-packet one-way delay: 17.851 ms  
Loss rate: 9.44%  
-- Flow 1:  
Average throughput: 79.09 Mbit/s  
95th percentile per-packet one-way delay: 17.851 ms  
Loss rate: 9.44%

Run 2: Report of FillP — Data Link

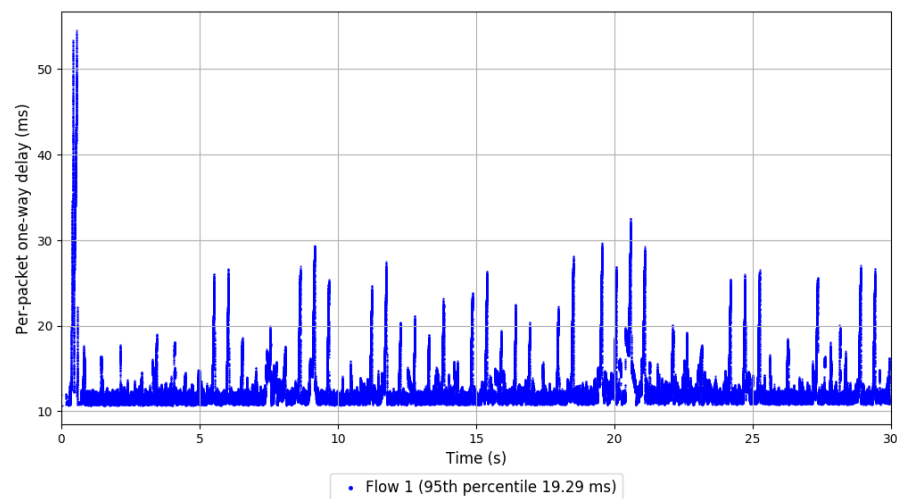
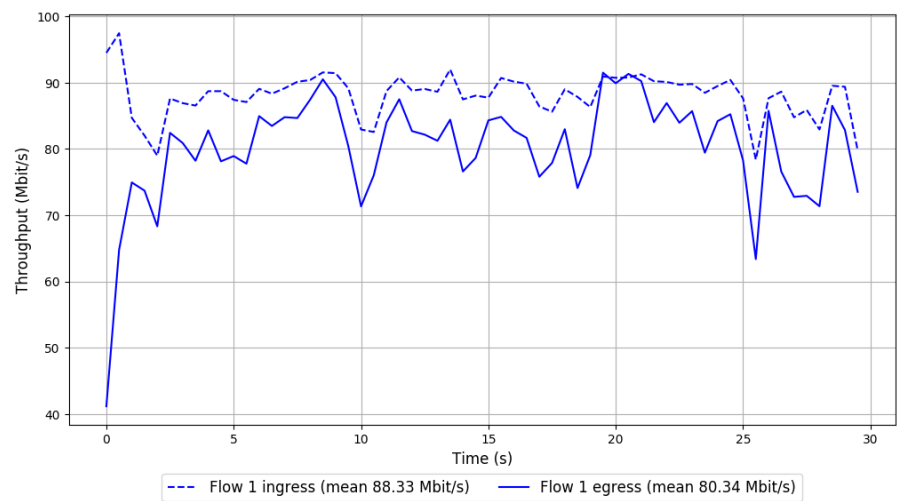


Run 3: Statistics of FillP

Start at: 2018-04-17 05:33:32  
End at: 2018-04-17 05:34:02  
Local clock offset: -5.226 ms  
Remote clock offset: -8.933 ms

# Below is generated by plot.py at 2018-04-17 08:46:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.34 Mbit/s  
95th percentile per-packet one-way delay: 19.293 ms  
Loss rate: 9.05%  
-- Flow 1:  
Average throughput: 80.34 Mbit/s  
95th percentile per-packet one-way delay: 19.293 ms  
Loss rate: 9.05%

Run 3: Report of FillP — Data Link



Run 4: Statistics of FillP

Start at: 2018-04-17 05:53:28

End at: 2018-04-17 05:53:58

Local clock offset: -3.114 ms

Remote clock offset: -6.53 ms

# Below is generated by plot.py at 2018-04-17 08:46:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 82.27 Mbit/s

95th percentile per-packet one-way delay: 20.445 ms

Loss rate: 7.61%

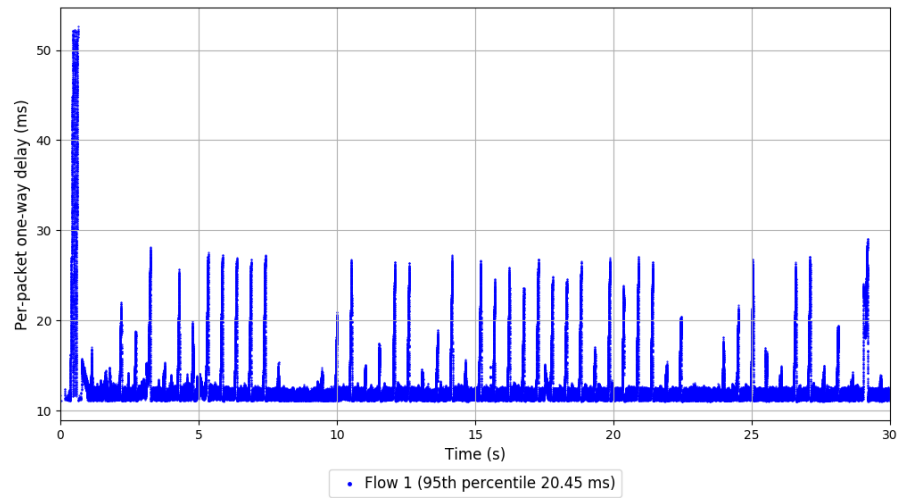
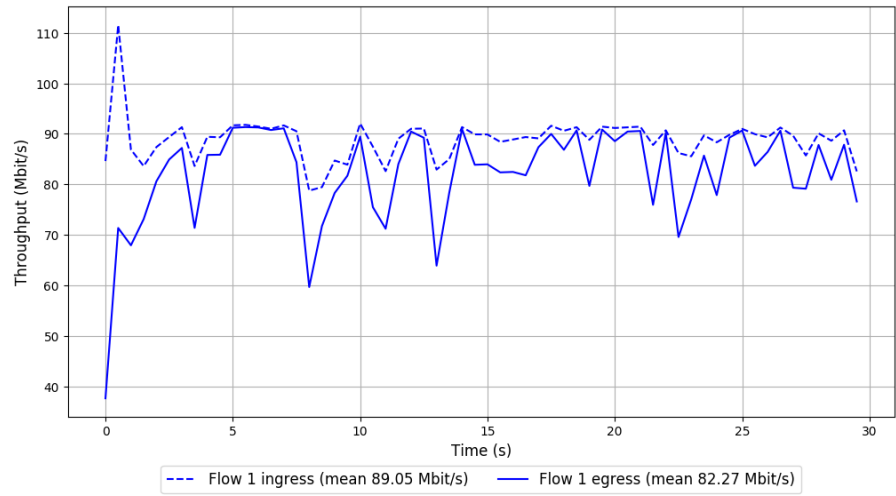
-- Flow 1:

Average throughput: 82.27 Mbit/s

95th percentile per-packet one-way delay: 20.445 ms

Loss rate: 7.61%

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



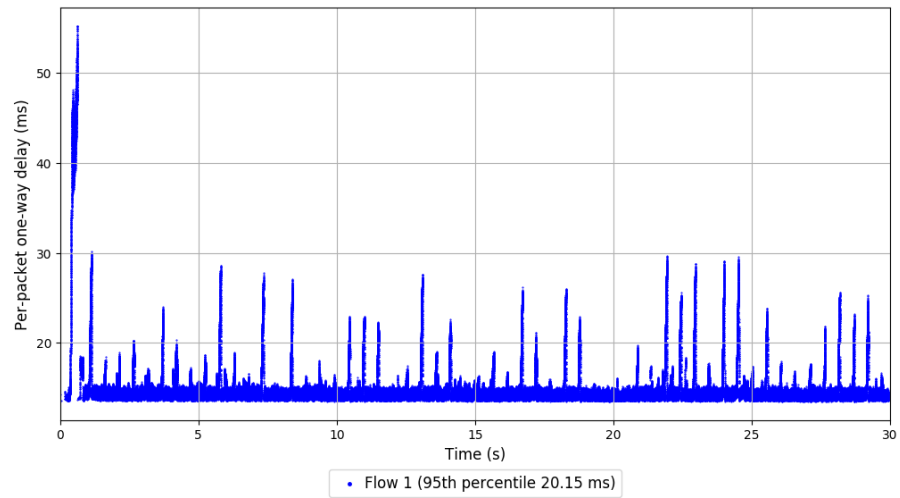
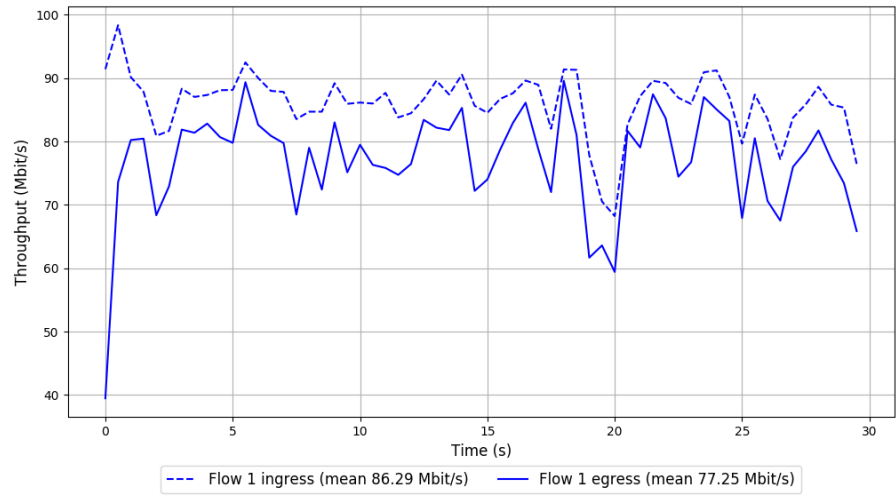
Run 5: Statistics of FillP

Start at: 2018-04-17 06:13:26  
End at: 2018-04-17 06:13:56  
Local clock offset: -5.886 ms  
Remote clock offset: -3.012 ms

# Below is generated by plot.py at 2018-04-17 08:46:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.25 Mbit/s  
95th percentile per-packet one-way delay: 20.152 ms  
Loss rate: 10.48%  
-- Flow 1:  
Average throughput: 77.25 Mbit/s  
95th percentile per-packet one-way delay: 20.152 ms  
Loss rate: 10.48%



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

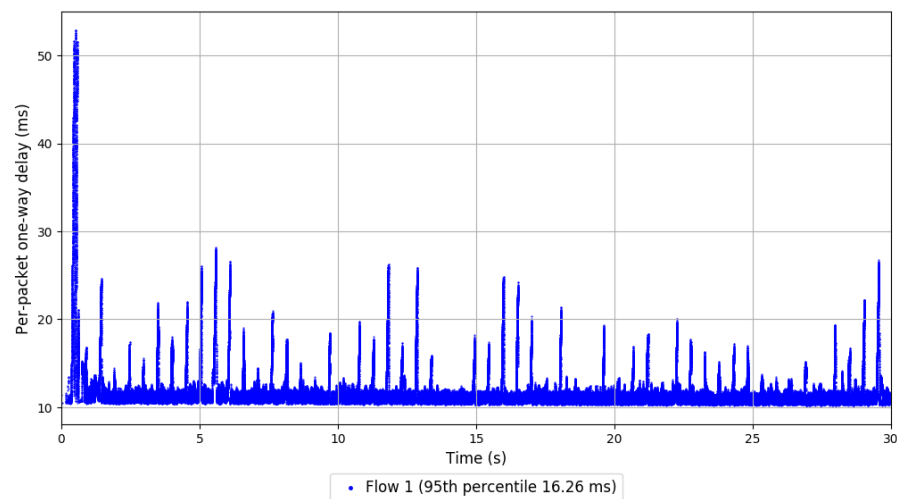
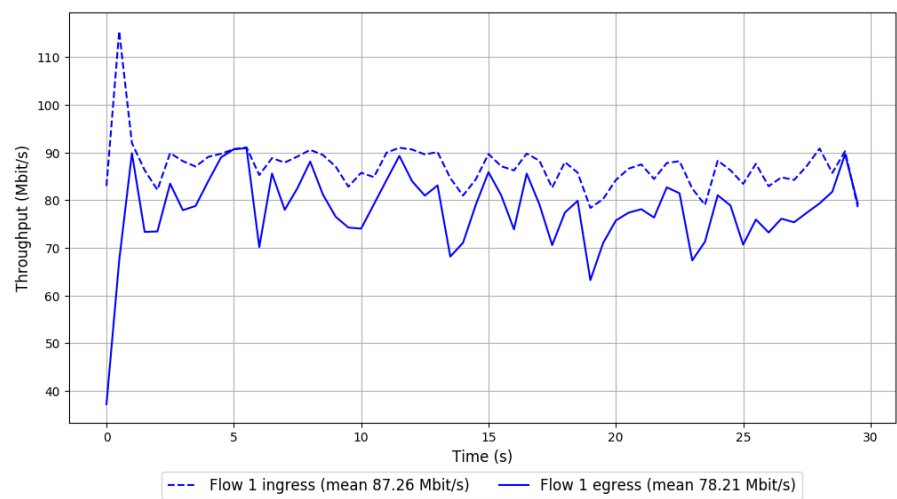


Run 6: Statistics of FillP

Start at: 2018-04-17 06:33:19  
End at: 2018-04-17 06:33:49  
Local clock offset: -5.539 ms  
Remote clock offset: -6.178 ms

# Below is generated by plot.py at 2018-04-17 08:46:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.21 Mbit/s  
95th percentile per-packet one-way delay: 16.258 ms  
Loss rate: 10.38%  
-- Flow 1:  
Average throughput: 78.21 Mbit/s  
95th percentile per-packet one-way delay: 16.258 ms  
Loss rate: 10.38%

Run 6: Report of FillP — Data Link

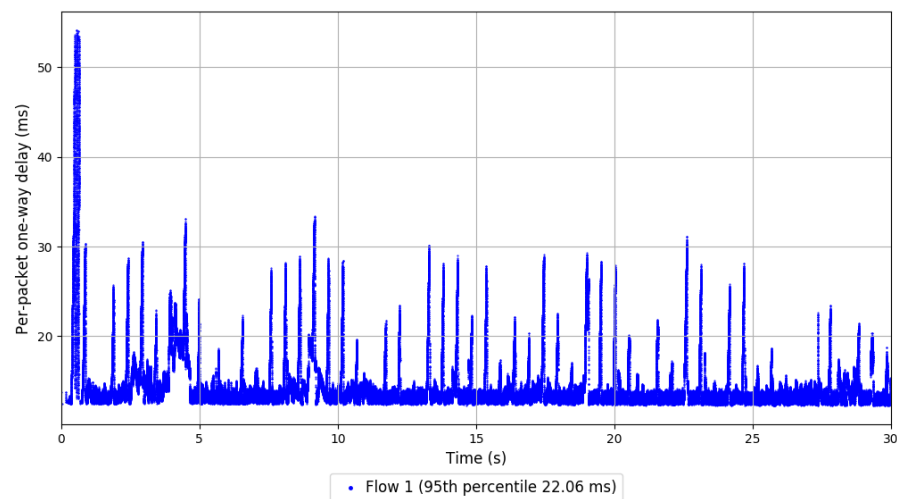
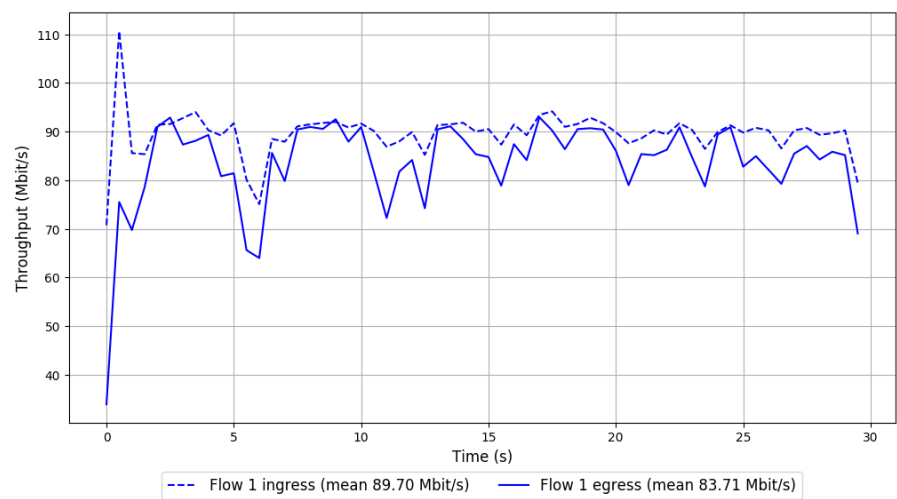


Run 7: Statistics of FillP

Start at: 2018-04-17 06:53:06  
End at: 2018-04-17 06:53:36  
Local clock offset: -11.88 ms  
Remote clock offset: -4.148 ms

# Below is generated by plot.py at 2018-04-17 08:47:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.71 Mbit/s  
95th percentile per-packet one-way delay: 22.057 ms  
Loss rate: 6.68%  
-- Flow 1:  
Average throughput: 83.71 Mbit/s  
95th percentile per-packet one-way delay: 22.057 ms  
Loss rate: 6.68%

Run 7: Report of FillP — Data Link

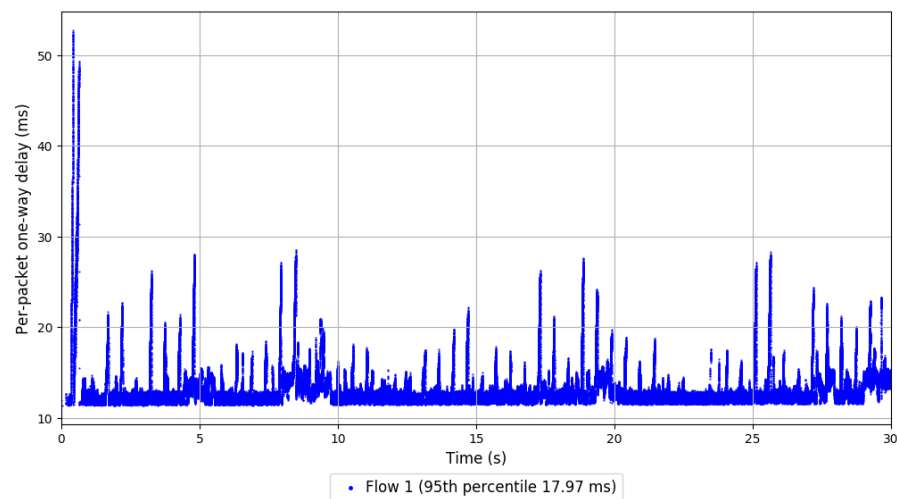
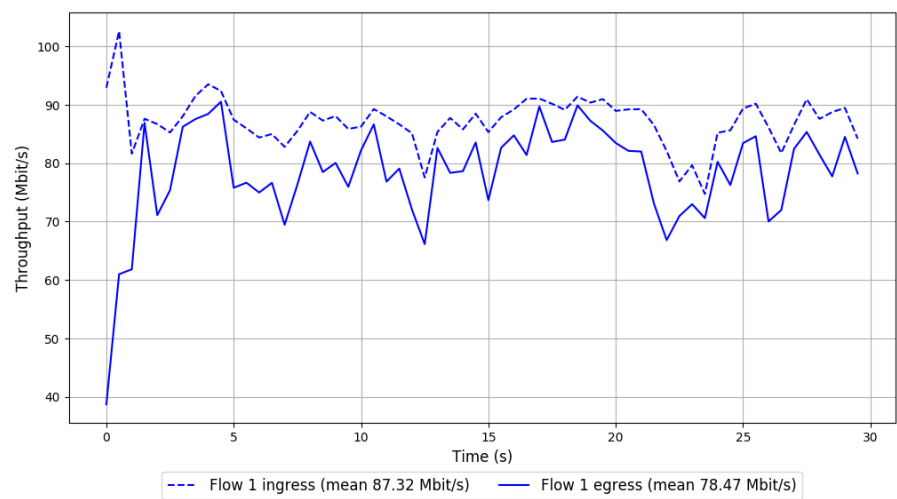


Run 8: Statistics of FillP

Start at: 2018-04-17 07:13:07  
End at: 2018-04-17 07:13:37  
Local clock offset: -8.542 ms  
Remote clock offset: -2.515 ms

# Below is generated by plot.py at 2018-04-17 08:47:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.47 Mbit/s  
95th percentile per-packet one-way delay: 17.967 ms  
Loss rate: 10.13%  
-- Flow 1:  
Average throughput: 78.47 Mbit/s  
95th percentile per-packet one-way delay: 17.967 ms  
Loss rate: 10.13%

Run 8: Report of FillP — Data Link



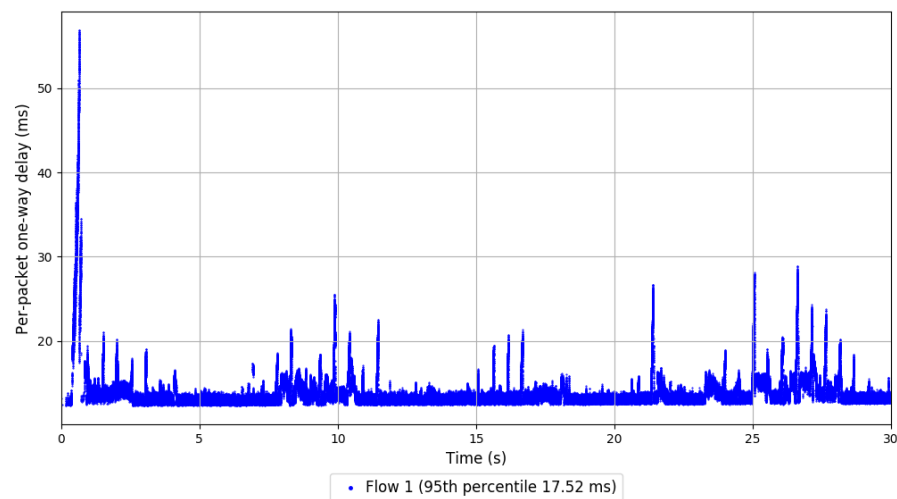
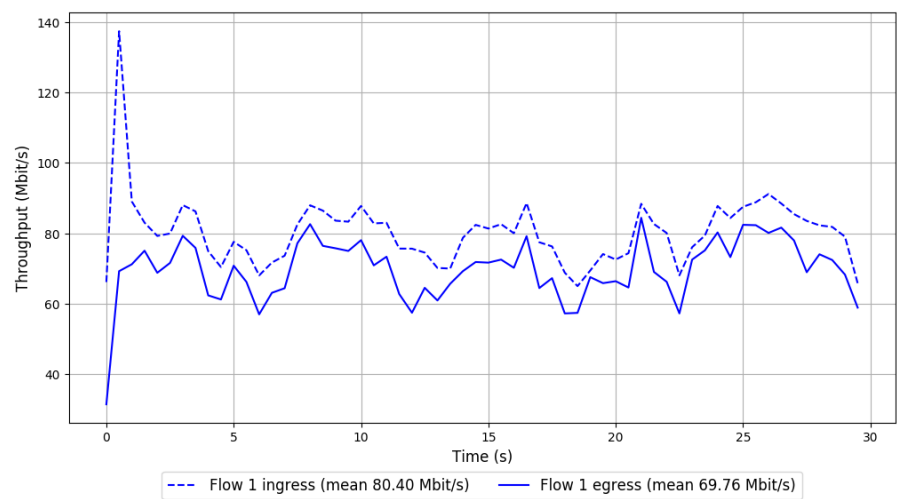
Run 9: Statistics of FillP

Start at: 2018-04-17 07:32:53  
End at: 2018-04-17 07:33:23  
Local clock offset: -4.424 ms  
Remote clock offset: -6.144 ms

# Below is generated by plot.py at 2018-04-17 08:47:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 69.76 Mbit/s  
95th percentile per-packet one-way delay: 17.525 ms  
Loss rate: 13.23%  
-- Flow 1:  
Average throughput: 69.76 Mbit/s  
95th percentile per-packet one-way delay: 17.525 ms  
Loss rate: 13.23%



Run 9: Report of FillP — Data Link

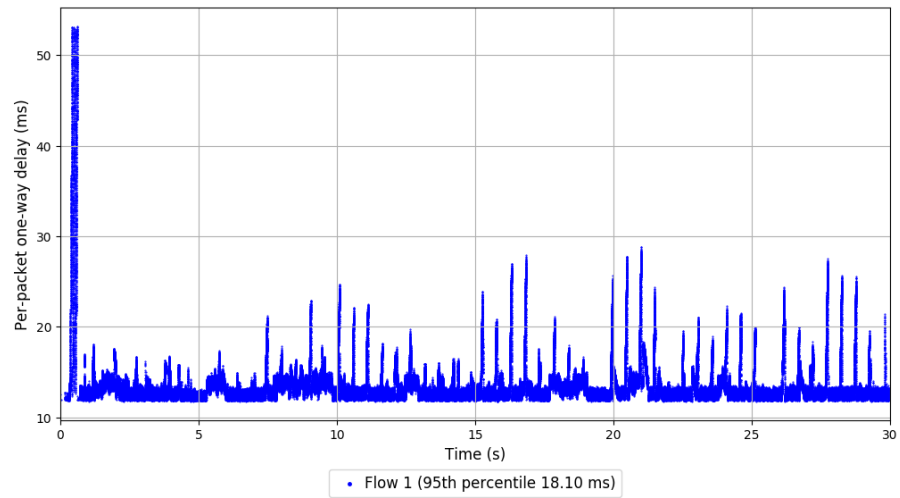
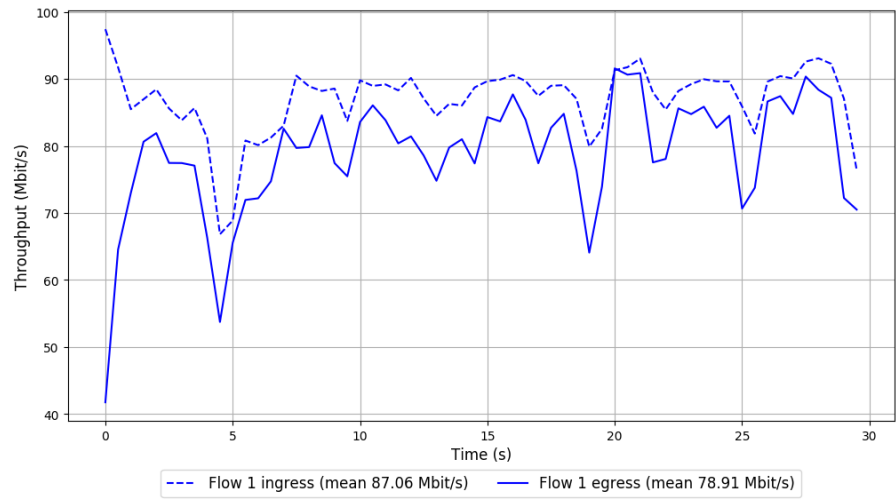


Run 10: Statistics of FillP

Start at: 2018-04-17 07:52:29  
End at: 2018-04-17 07:52:59  
Local clock offset: -6.134 ms  
Remote clock offset: -8.733 ms

# Below is generated by plot.py at 2018-04-17 08:47:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.91 Mbit/s  
95th percentile per-packet one-way delay: 18.098 ms  
Loss rate: 9.37%  
-- Flow 1:  
Average throughput: 78.91 Mbit/s  
95th percentile per-packet one-way delay: 18.098 ms  
Loss rate: 9.37%

### Run 10: Report of FillP — Data Link

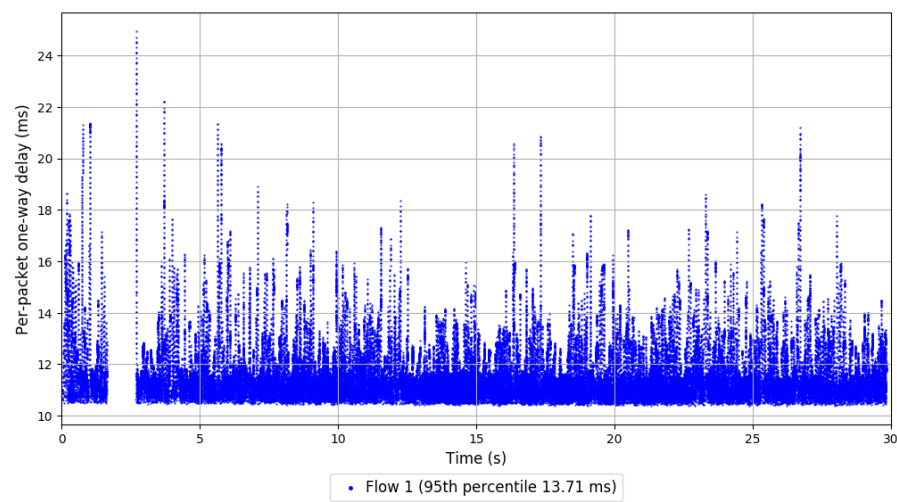
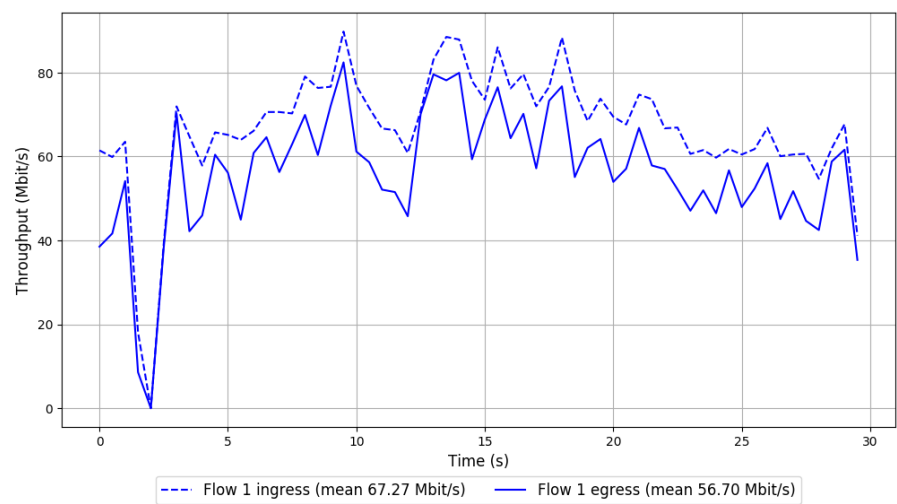


Run 1: Statistics of Indigo-1-32

Start at: 2018-04-17 05:04:37  
End at: 2018-04-17 05:05:07  
Local clock offset: -6.747 ms  
Remote clock offset: -7.509 ms

# Below is generated by plot.py at 2018-04-17 08:47:53  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 56.70 Mbit/s  
95th percentile per-packet one-way delay: 13.714 ms  
Loss rate: 15.70%  
-- Flow 1:  
Average throughput: 56.70 Mbit/s  
95th percentile per-packet one-way delay: 13.714 ms  
Loss rate: 15.70%

Run 1: Report of Indigo-1-32 — Data Link

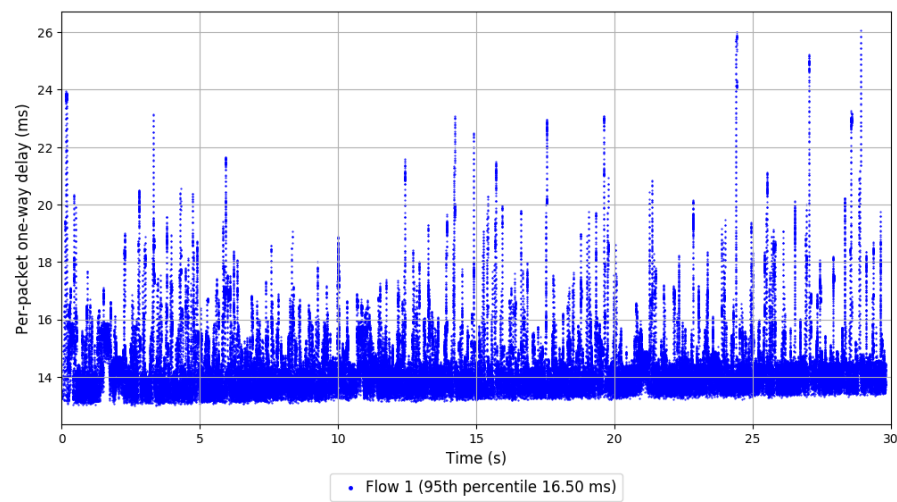
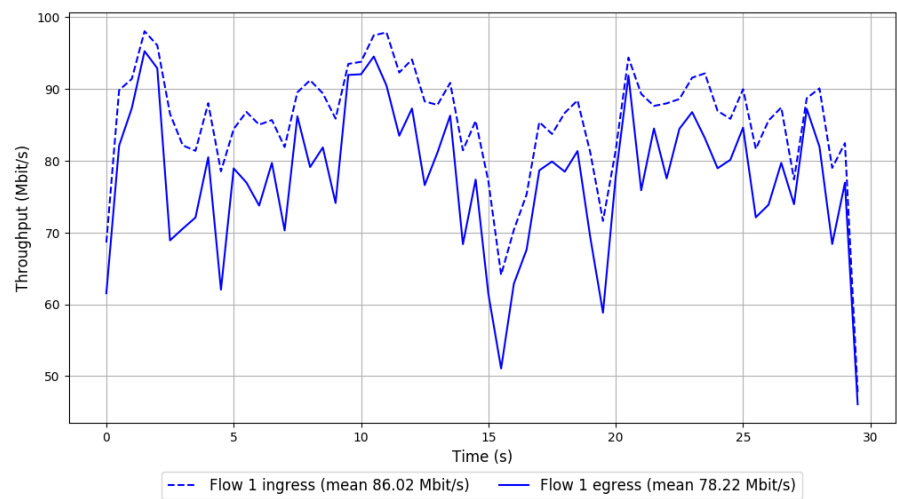


Run 2: Statistics of Indigo-1-32

Start at: 2018-04-17 05:24:18  
End at: 2018-04-17 05:24:48  
Local clock offset: -10.653 ms  
Remote clock offset: -8.81 ms

# Below is generated by plot.py at 2018-04-17 08:47:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.22 Mbit/s  
95th percentile per-packet one-way delay: 16.502 ms  
Loss rate: 9.06%  
-- Flow 1:  
Average throughput: 78.22 Mbit/s  
95th percentile per-packet one-way delay: 16.502 ms  
Loss rate: 9.06%

Run 2: Report of Indigo-1-32 — Data Link



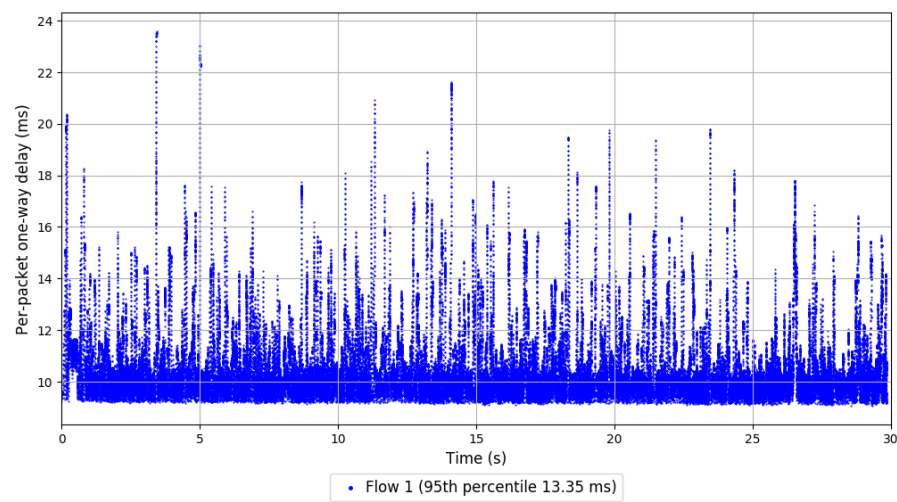
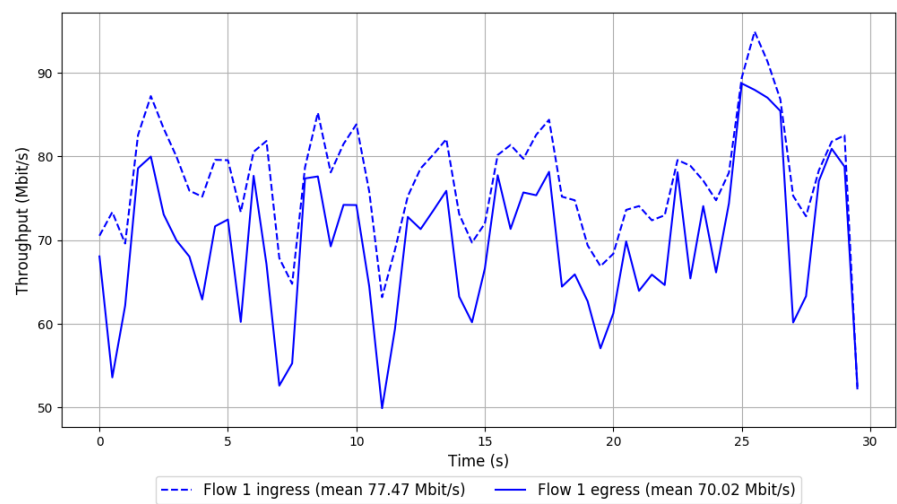
Run 3: Statistics of Indigo-1-32

Start at: 2018-04-17 05:44:17  
End at: 2018-04-17 05:44:47  
Local clock offset: -1.707 ms  
Remote clock offset: -7.924 ms

# Below is generated by plot.py at 2018-04-17 08:47:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.02 Mbit/s  
95th percentile per-packet one-way delay: 13.351 ms  
Loss rate: 9.62%  
-- Flow 1:  
Average throughput: 70.02 Mbit/s  
95th percentile per-packet one-way delay: 13.351 ms  
Loss rate: 9.62%



Run 3: Report of Indigo-1-32 — Data Link



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-17 06:04:04

End at: 2018-04-17 06:04:34

Local clock offset: -2.619 ms

Remote clock offset: -5.169 ms

# Below is generated by plot.py at 2018-04-17 08:48:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 86.99 Mbit/s

95th percentile per-packet one-way delay: 13.060 ms

Loss rate: 6.27%

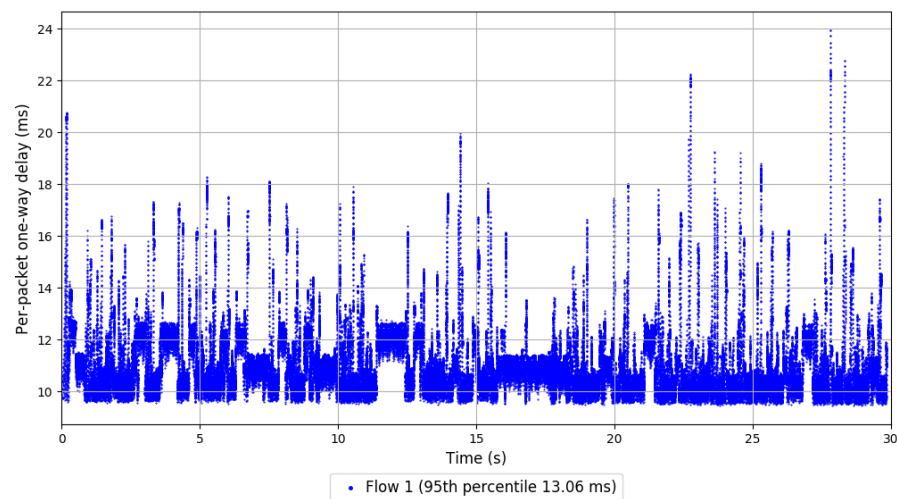
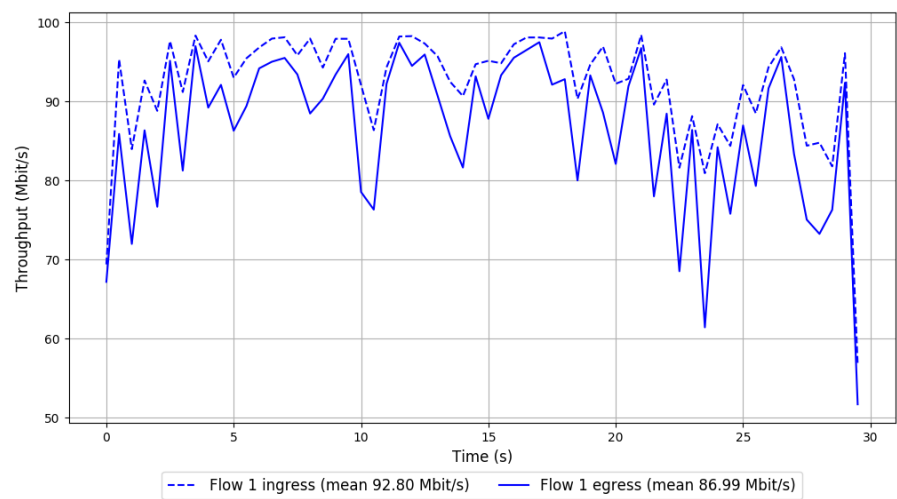
-- Flow 1:

Average throughput: 86.99 Mbit/s

95th percentile per-packet one-way delay: 13.060 ms

Loss rate: 6.27%

Run 4: Report of Indigo-1-32 — Data Link

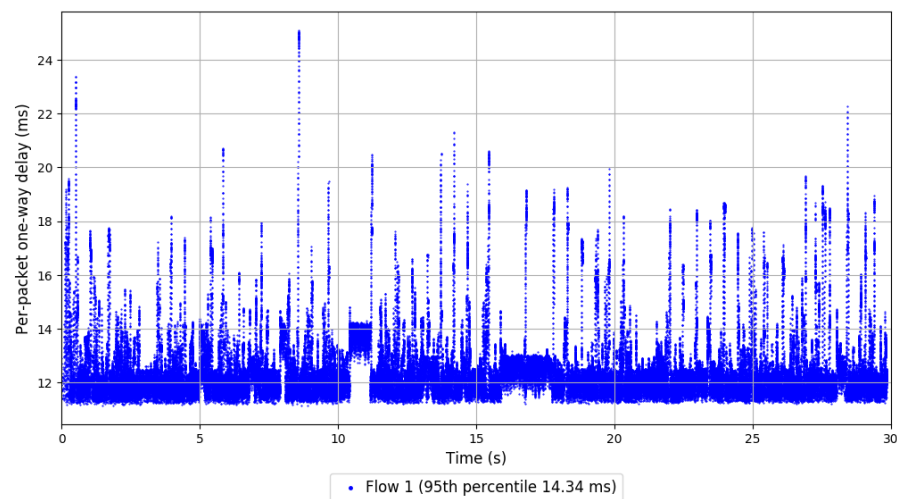
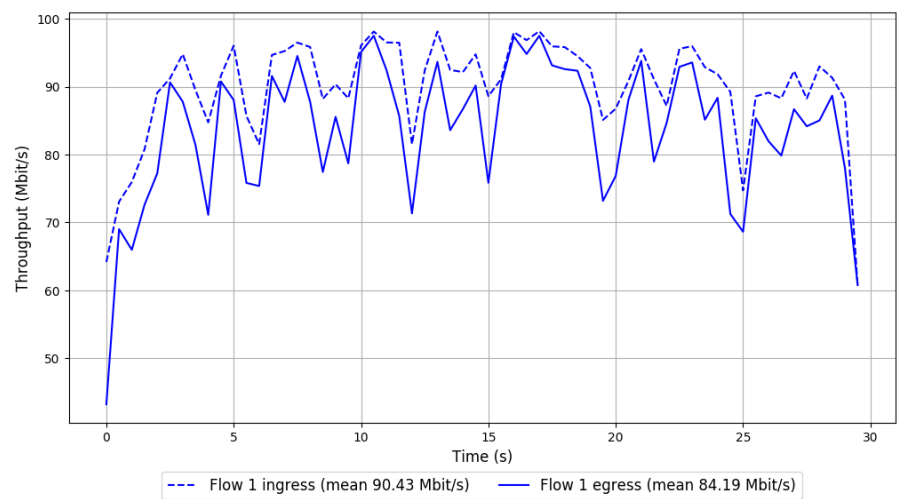


Run 5: Statistics of Indigo-1-32

Start at: 2018-04-17 06:24:00  
End at: 2018-04-17 06:24:30  
Local clock offset: -4.457 ms  
Remote clock offset: -4.838 ms

# Below is generated by plot.py at 2018-04-17 08:48:52  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.19 Mbit/s  
95th percentile per-packet one-way delay: 14.343 ms  
Loss rate: 6.91%  
-- Flow 1:  
Average throughput: 84.19 Mbit/s  
95th percentile per-packet one-way delay: 14.343 ms  
Loss rate: 6.91%

Run 5: Report of Indigo-1-32 — Data Link

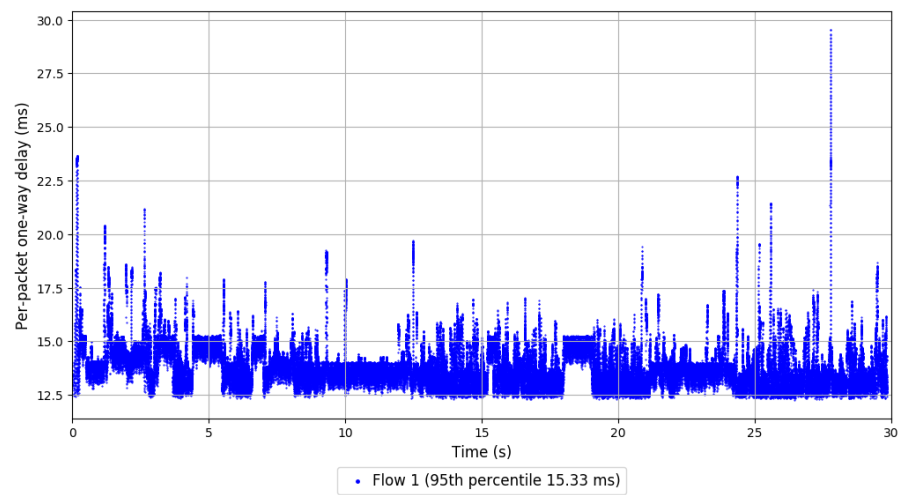
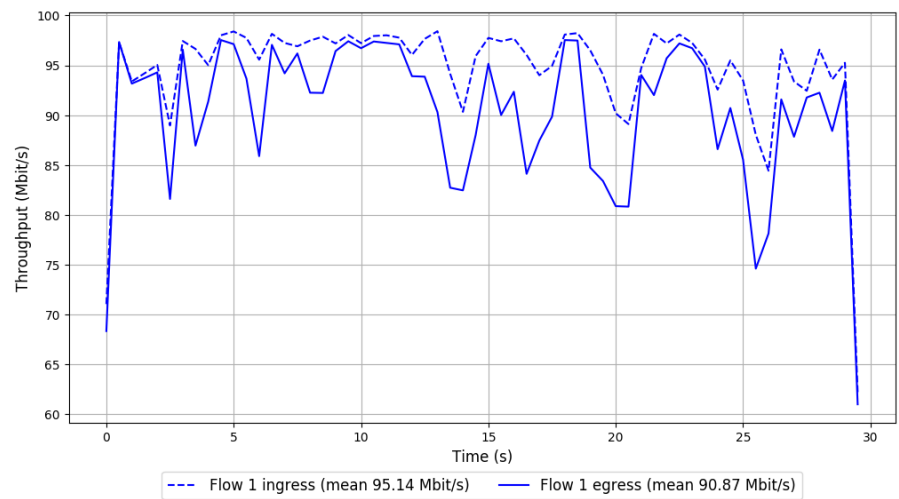


Run 6: Statistics of Indigo-1-32

Start at: 2018-04-17 06:43:52  
End at: 2018-04-17 06:44:22  
Local clock offset: -10.833 ms  
Remote clock offset: -5.126 ms

# Below is generated by plot.py at 2018-04-17 08:49:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.87 Mbit/s  
95th percentile per-packet one-way delay: 15.330 ms  
Loss rate: 4.49%  
-- Flow 1:  
Average throughput: 90.87 Mbit/s  
95th percentile per-packet one-way delay: 15.330 ms  
Loss rate: 4.49%

Run 6: Report of Indigo-1-32 — Data Link



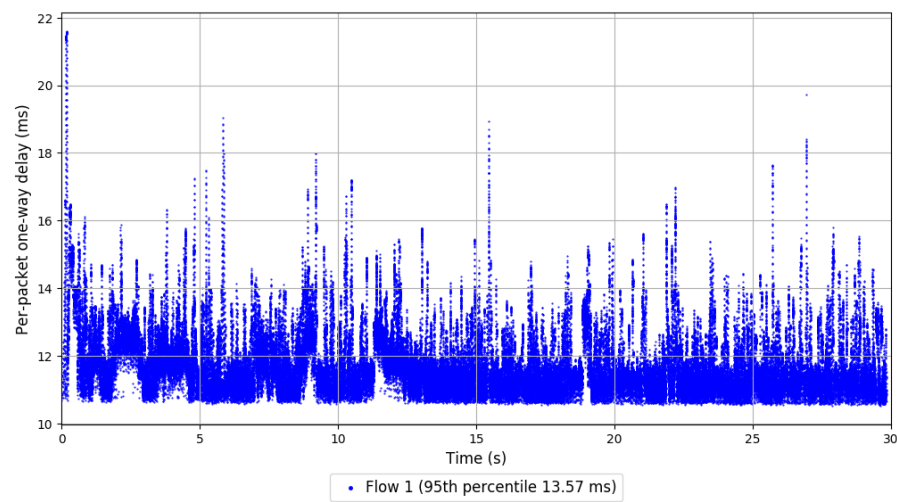
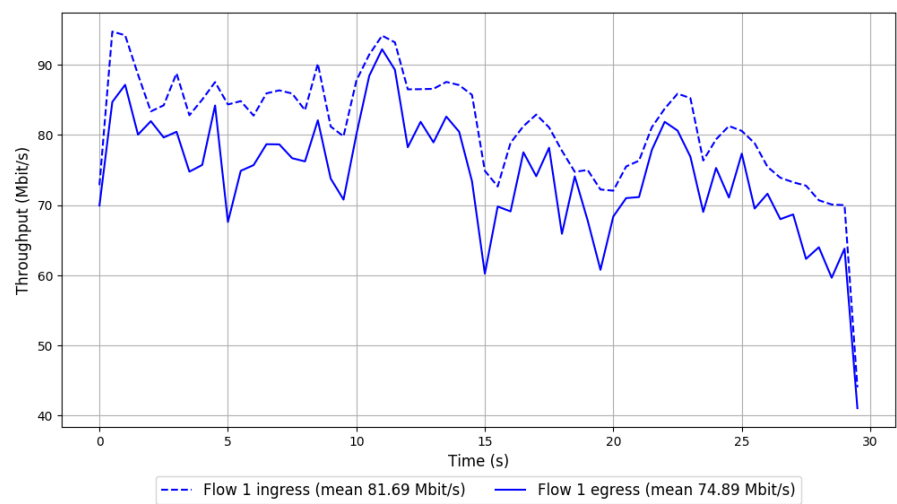
Run 7: Statistics of Indigo-1-32

Start at: 2018-04-17 07:03:36  
End at: 2018-04-17 07:04:06  
Local clock offset: -11.343 ms  
Remote clock offset: -2.619 ms

# Below is generated by plot.py at 2018-04-17 08:49:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.89 Mbit/s  
95th percentile per-packet one-way delay: 13.569 ms  
Loss rate: 8.32%  
-- Flow 1:  
Average throughput: 74.89 Mbit/s  
95th percentile per-packet one-way delay: 13.569 ms  
Loss rate: 8.32%



Run 7: Report of Indigo-1-32 — Data Link



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-17 07:23:43

End at: 2018-04-17 07:24:13

Local clock offset: -5.735 ms

Remote clock offset: -2.609 ms

# Below is generated by plot.py at 2018-04-17 08:49:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.36 Mbit/s

95th percentile per-packet one-way delay: 14.634 ms

Loss rate: 8.74%

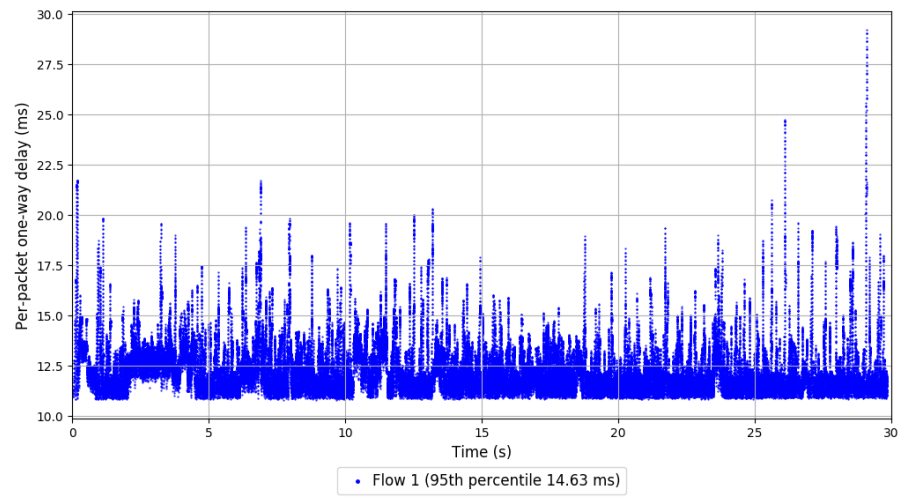
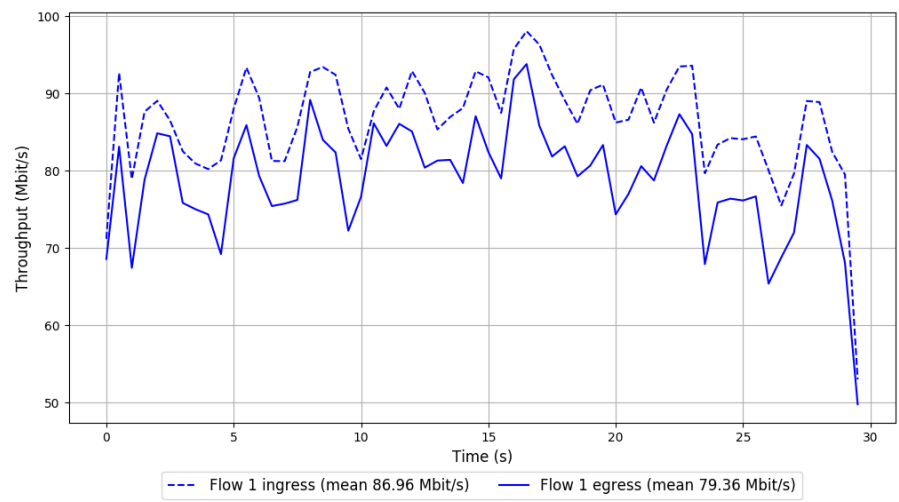
-- Flow 1:

Average throughput: 79.36 Mbit/s

95th percentile per-packet one-way delay: 14.634 ms

Loss rate: 8.74%

Run 8: Report of Indigo-1-32 — Data Link

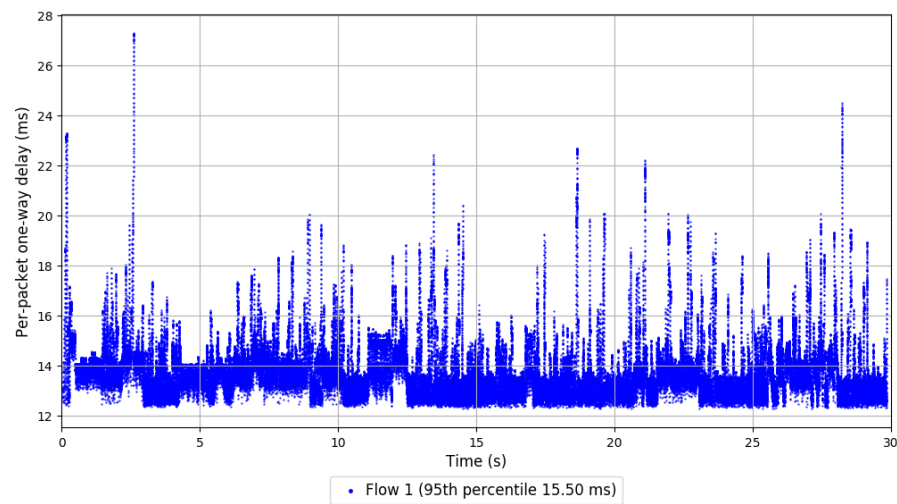
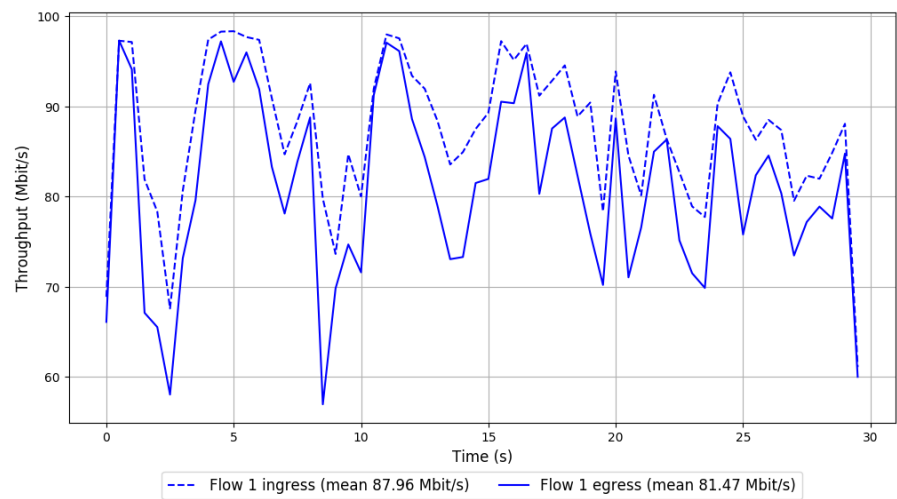


Run 9: Statistics of Indigo-1-32

Start at: 2018-04-17 07:43:22  
End at: 2018-04-17 07:43:52  
Local clock offset: -4.275 ms  
Remote clock offset: -7.734 ms

# Below is generated by plot.py at 2018-04-17 08:49:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.47 Mbit/s  
95th percentile per-packet one-way delay: 15.503 ms  
Loss rate: 7.36%  
-- Flow 1:  
Average throughput: 81.47 Mbit/s  
95th percentile per-packet one-way delay: 15.503 ms  
Loss rate: 7.36%

Run 9: Report of Indigo-1-32 — Data Link

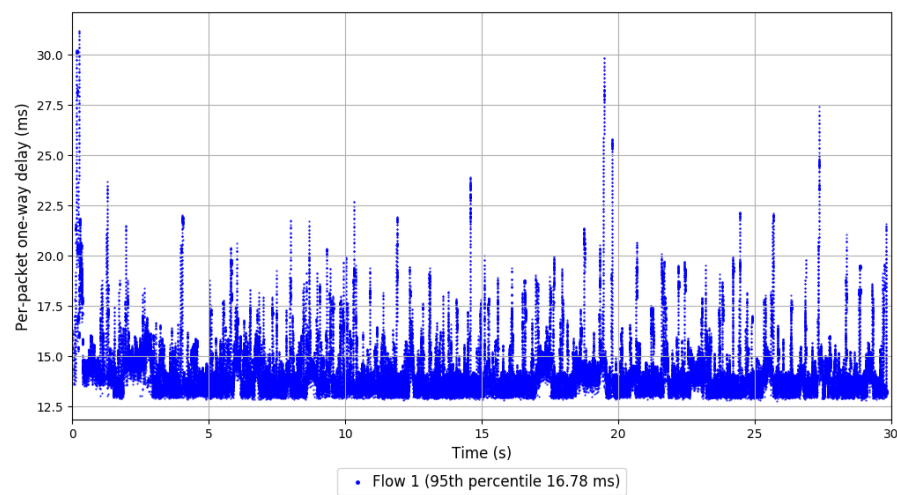
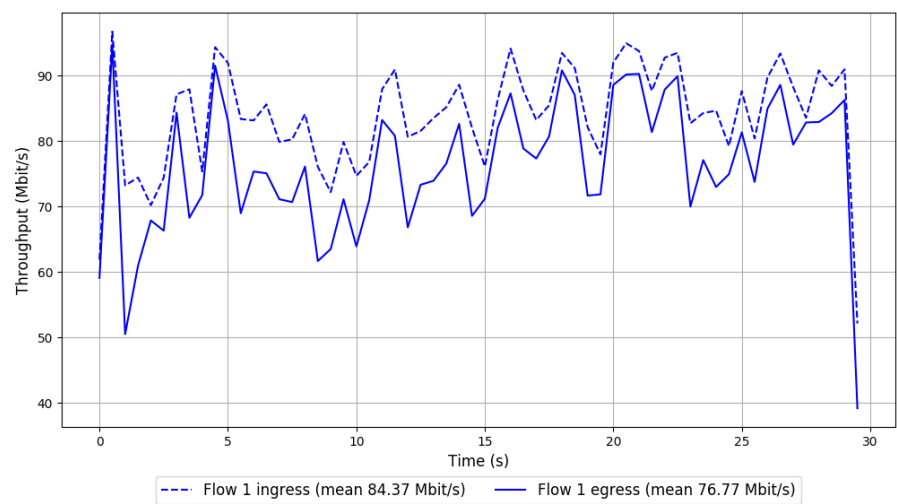


Run 10: Statistics of Indigo-1-32

Start at: 2018-04-17 08:03:19  
End at: 2018-04-17 08:03:49  
Local clock offset: -7.228 ms  
Remote clock offset: -9.297 ms

# Below is generated by plot.py at 2018-04-17 08:49:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 76.77 Mbit/s  
95th percentile per-packet one-way delay: 16.779 ms  
Loss rate: 9.01%  
-- Flow 1:  
Average throughput: 76.77 Mbit/s  
95th percentile per-packet one-way delay: 16.779 ms  
Loss rate: 9.01%

Run 10: Report of Indigo-1-32 — Data Link



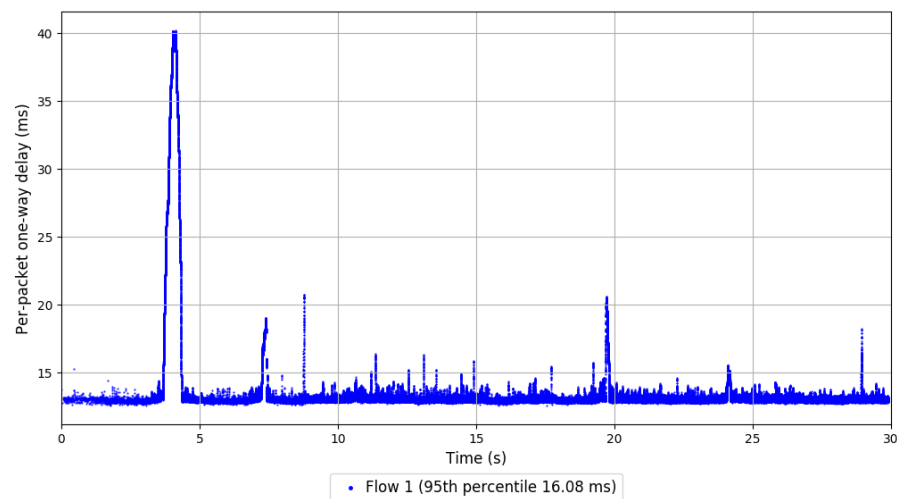
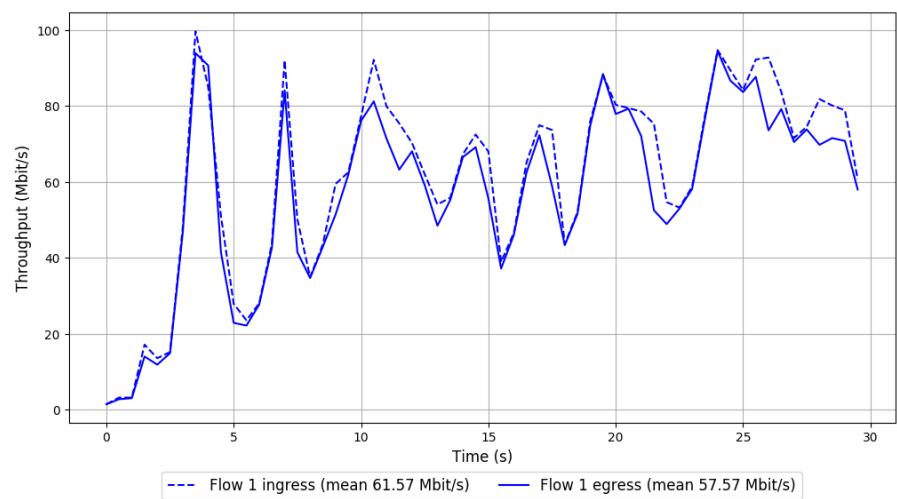
Run 1: Statistics of PCC-Vivace

Start at: 2018-04-17 05:02:10  
End at: 2018-04-17 05:02:40  
Local clock offset: -8.338 ms  
Remote clock offset: -7.244 ms

# Below is generated by plot.py at 2018-04-17 08:49:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 57.57 Mbit/s  
95th percentile per-packet one-way delay: 16.083 ms  
Loss rate: 6.50%  
-- Flow 1:  
Average throughput: 57.57 Mbit/s  
95th percentile per-packet one-way delay: 16.083 ms  
Loss rate: 6.50%



Run 1: Report of PCC-Vivace — Data Link

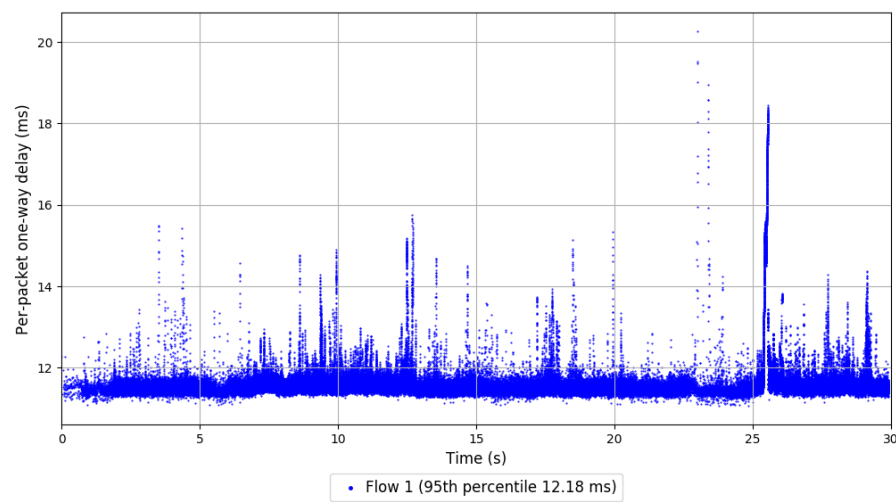
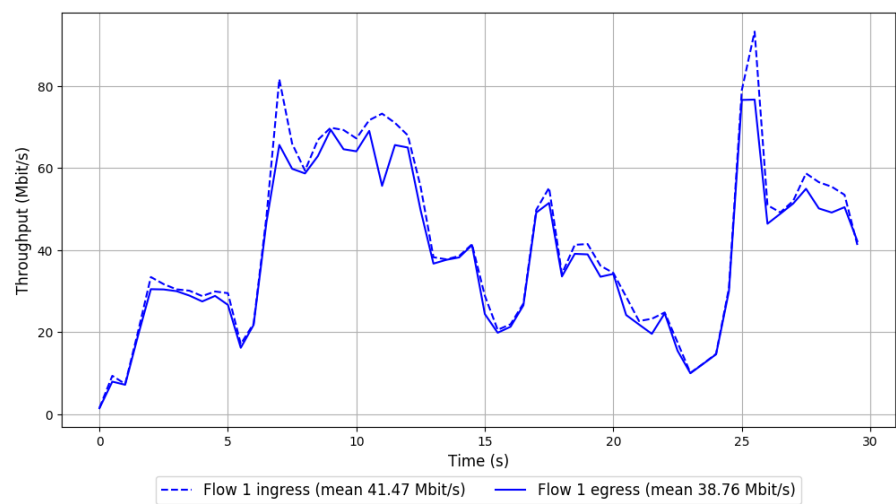


Run 2: Statistics of PCC-Vivace

Start at: 2018-04-17 05:21:59  
End at: 2018-04-17 05:22:29  
Local clock offset: -9.448 ms  
Remote clock offset: -8.116 ms

# Below is generated by plot.py at 2018-04-17 08:49:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 38.76 Mbit/s  
95th percentile per-packet one-way delay: 12.176 ms  
Loss rate: 6.54%  
-- Flow 1:  
Average throughput: 38.76 Mbit/s  
95th percentile per-packet one-way delay: 12.176 ms  
Loss rate: 6.54%

Run 2: Report of PCC-Vivace — Data Link



Run 3: Statistics of PCC-Vivace

Start at: 2018-04-17 05:41:53

End at: 2018-04-17 05:42:23

Local clock offset: -3.69 ms

Remote clock offset: -8.726 ms

# Below is generated by plot.py at 2018-04-17 08:49:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 73.57 Mbit/s

95th percentile per-packet one-way delay: 13.440 ms

Loss rate: 6.51%

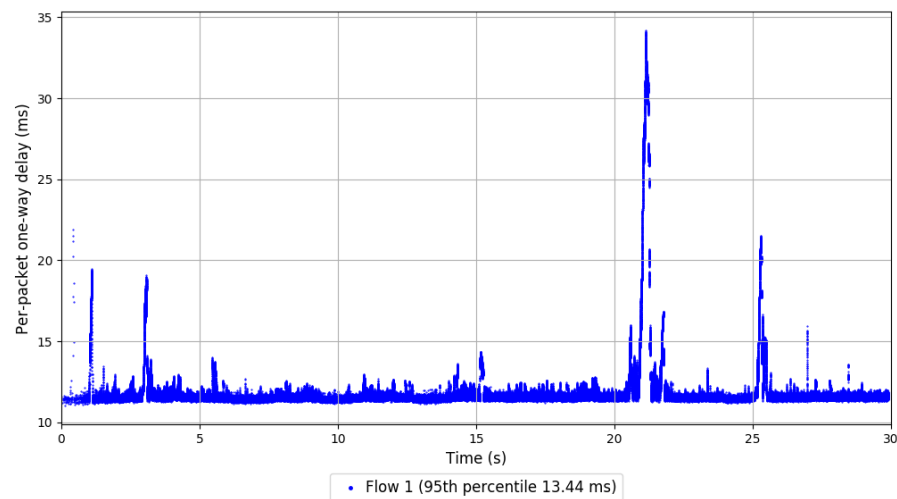
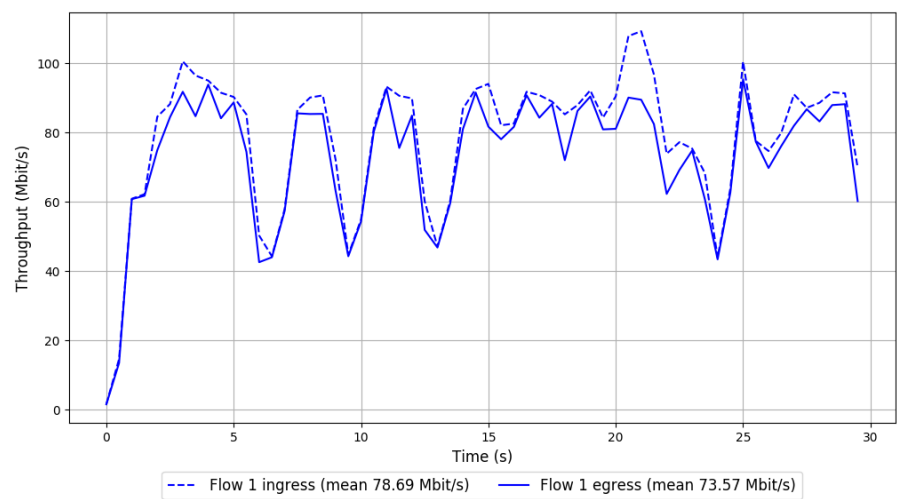
-- Flow 1:

Average throughput: 73.57 Mbit/s

95th percentile per-packet one-way delay: 13.440 ms

Loss rate: 6.51%

Run 3: Report of PCC-Vivace — Data Link

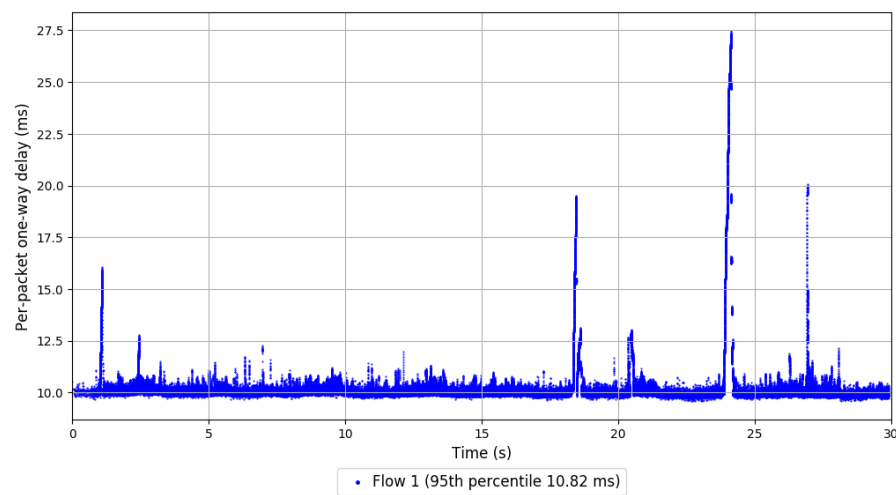
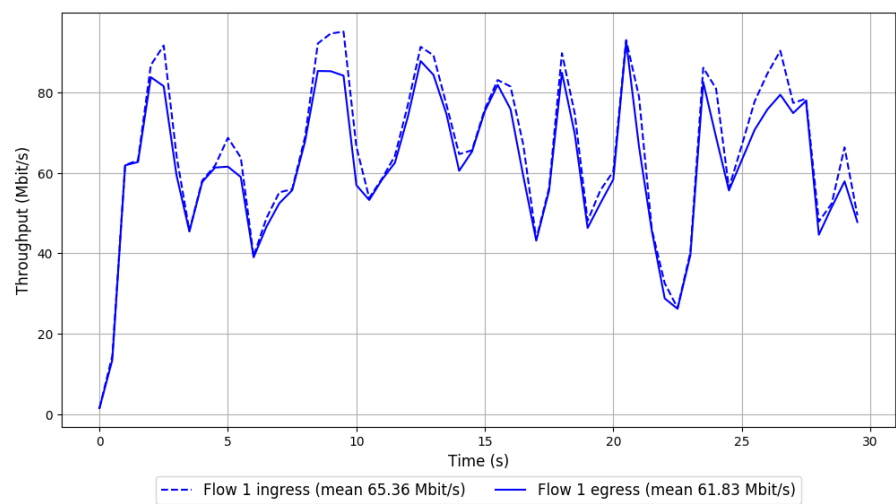


Run 4: Statistics of PCC-Vivace

Start at: 2018-04-17 06:01:42  
End at: 2018-04-17 06:02:12  
Local clock offset: -2.143 ms  
Remote clock offset: -5.009 ms

# Below is generated by plot.py at 2018-04-17 08:49:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 61.83 Mbit/s  
95th percentile per-packet one-way delay: 10.821 ms  
Loss rate: 5.41%  
-- Flow 1:  
Average throughput: 61.83 Mbit/s  
95th percentile per-packet one-way delay: 10.821 ms  
Loss rate: 5.41%

Run 4: Report of PCC-Vivace — Data Link



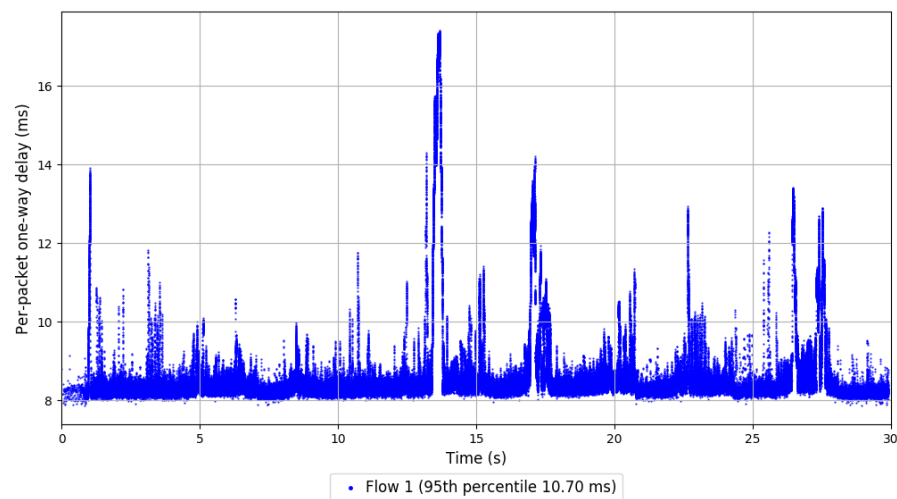
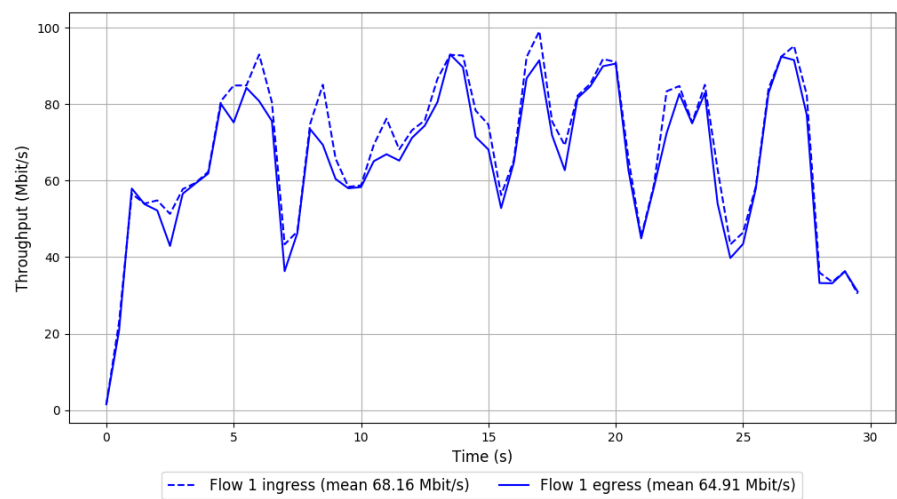
Run 5: Statistics of PCC-Vivace

Start at: 2018-04-17 06:21:36  
End at: 2018-04-17 06:22:06  
Local clock offset: -3.105 ms  
Remote clock offset: -5.219 ms

# Below is generated by plot.py at 2018-04-17 08:49:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 64.91 Mbit/s  
95th percentile per-packet one-way delay: 10.696 ms  
Loss rate: 4.76%  
-- Flow 1:  
Average throughput: 64.91 Mbit/s  
95th percentile per-packet one-way delay: 10.696 ms  
Loss rate: 4.76%



Run 5: Report of PCC-Vivace — Data Link

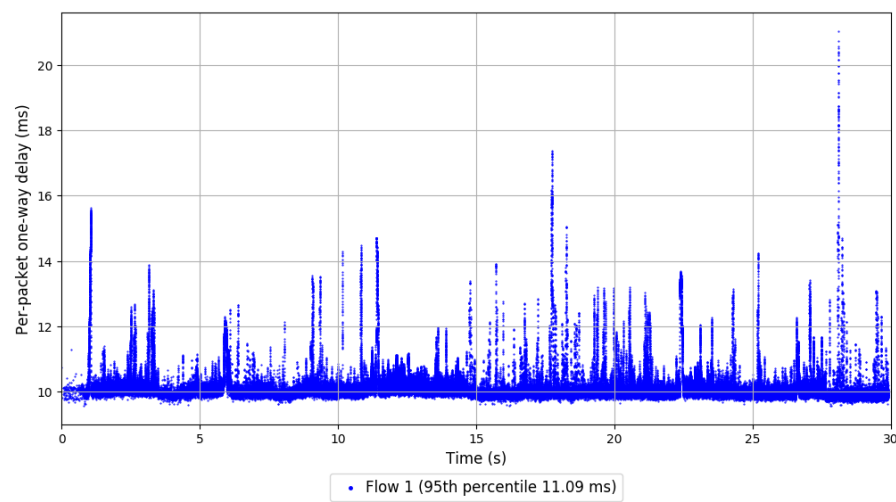
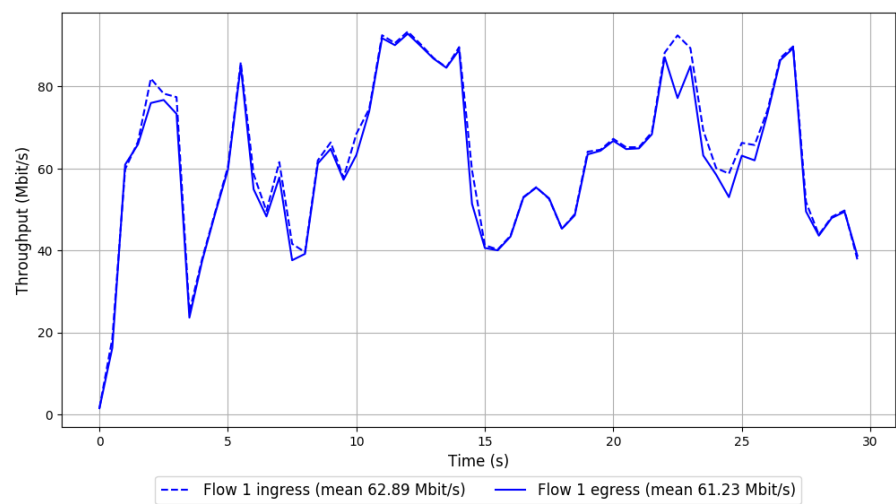


Run 6: Statistics of PCC-Vivace

Start at: 2018-04-17 06:41:29  
End at: 2018-04-17 06:41:59  
Local clock offset: -8.945 ms  
Remote clock offset: -6.344 ms

# Below is generated by plot.py at 2018-04-17 08:49:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 61.23 Mbit/s  
95th percentile per-packet one-way delay: 11.087 ms  
Loss rate: 2.65%  
-- Flow 1:  
Average throughput: 61.23 Mbit/s  
95th percentile per-packet one-way delay: 11.087 ms  
Loss rate: 2.65%

Run 6: Report of PCC-Vivace — Data Link

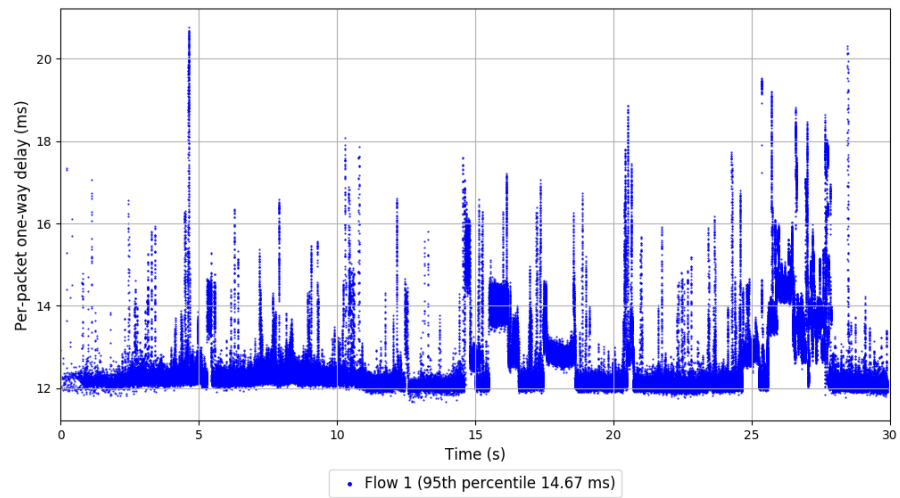
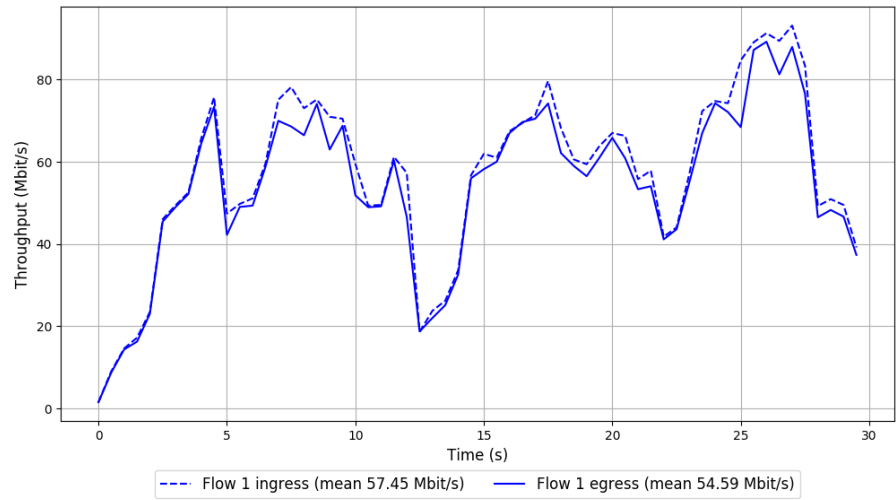


Run 7: Statistics of PCC-Vivace

Start at: 2018-04-17 07:01:12  
End at: 2018-04-17 07:01:42  
Local clock offset: -12.597 ms  
Remote clock offset: -3.045 ms

# Below is generated by plot.py at 2018-04-17 08:49:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 54.59 Mbit/s  
95th percentile per-packet one-way delay: 14.666 ms  
Loss rate: 4.98%  
-- Flow 1:  
Average throughput: 54.59 Mbit/s  
95th percentile per-packet one-way delay: 14.666 ms  
Loss rate: 4.98%

### Run 7: Report of PCC-Vivace — Data Link

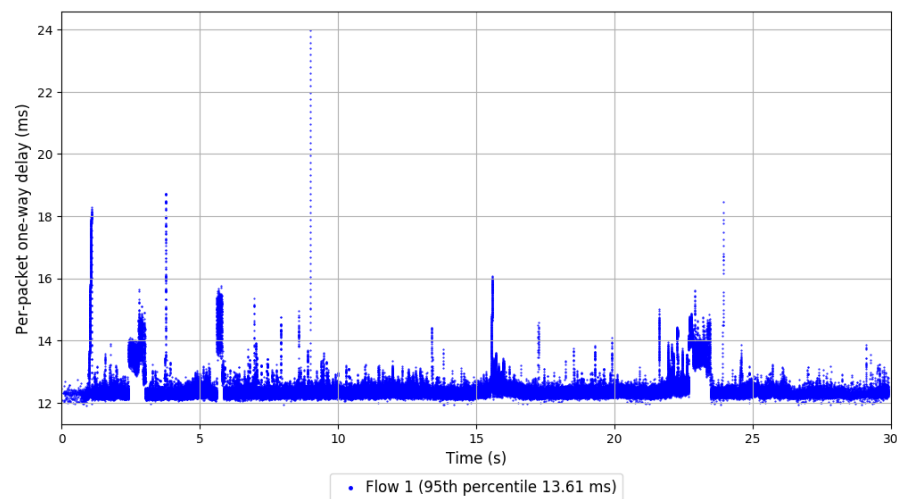
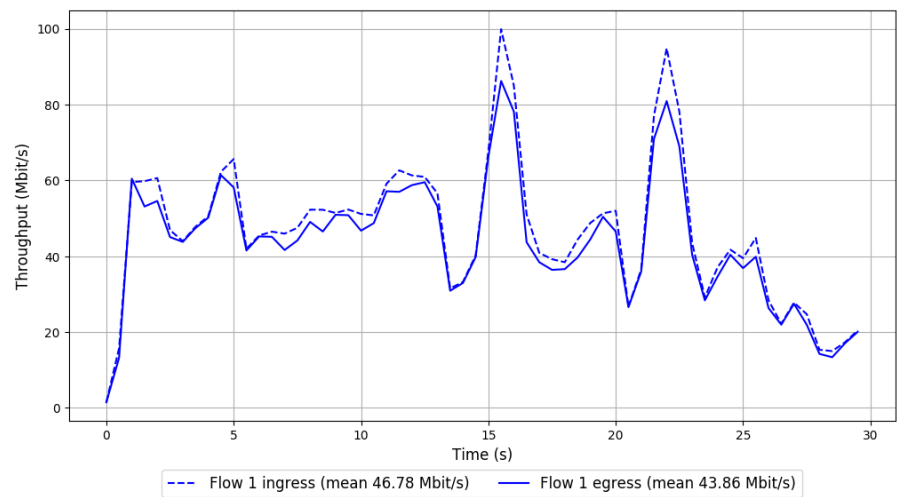


Run 8: Statistics of PCC-Vivace

Start at: 2018-04-17 07:21:19  
End at: 2018-04-17 07:21:49  
Local clock offset: -5.947 ms  
Remote clock offset: -2.341 ms

# Below is generated by plot.py at 2018-04-17 08:49:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 43.86 Mbit/s  
95th percentile per-packet one-way delay: 13.608 ms  
Loss rate: 6.24%  
-- Flow 1:  
Average throughput: 43.86 Mbit/s  
95th percentile per-packet one-way delay: 13.608 ms  
Loss rate: 6.24%

Run 8: Report of PCC-Vivace — Data Link



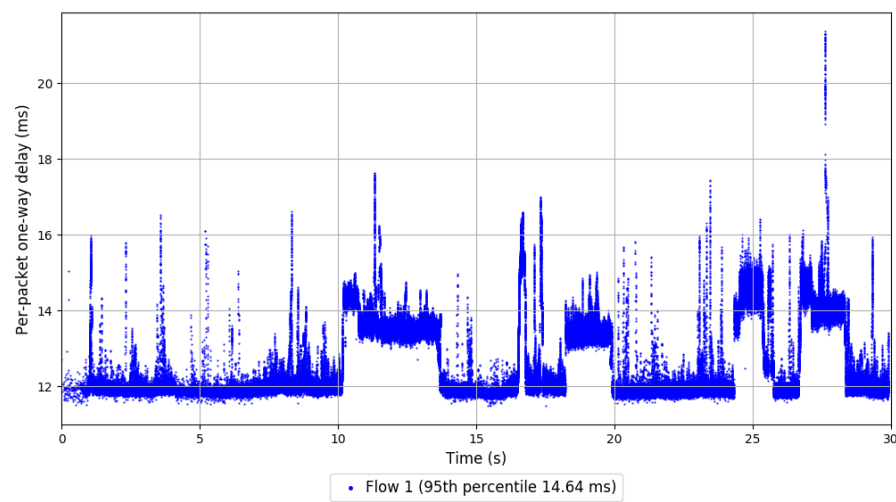
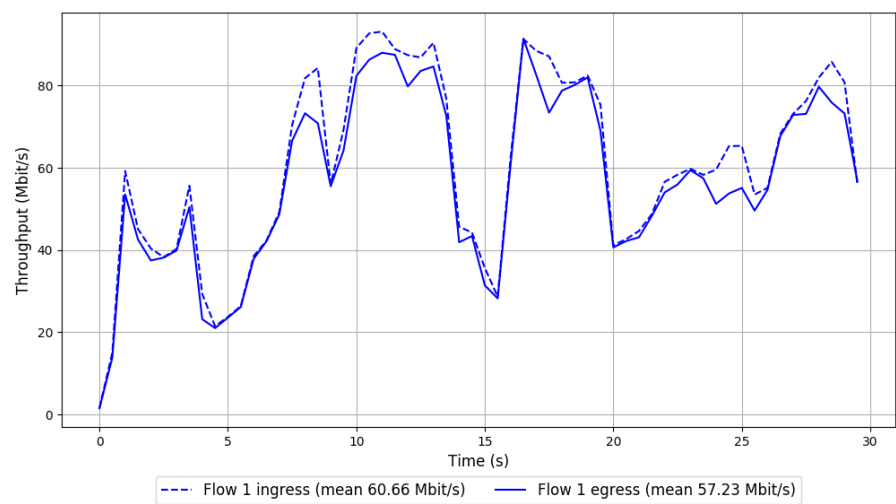
Run 9: Statistics of PCC-Vivace

Start at: 2018-04-17 07:40:56  
End at: 2018-04-17 07:41:26  
Local clock offset: -3.767 ms  
Remote clock offset: -7.416 ms

# Below is generated by plot.py at 2018-04-17 08:49:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 57.23 Mbit/s  
95th percentile per-packet one-way delay: 14.643 ms  
Loss rate: 5.65%  
-- Flow 1:  
Average throughput: 57.23 Mbit/s  
95th percentile per-packet one-way delay: 14.643 ms  
Loss rate: 5.65%



Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-17 08:00:40

End at: 2018-04-17 08:01:10

Local clock offset: -6.835 ms

Remote clock offset: -11.573 ms

# Below is generated by plot.py at 2018-04-17 08:49:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 48.08 Mbit/s

95th percentile per-packet one-way delay: 13.595 ms

Loss rate: 5.53%

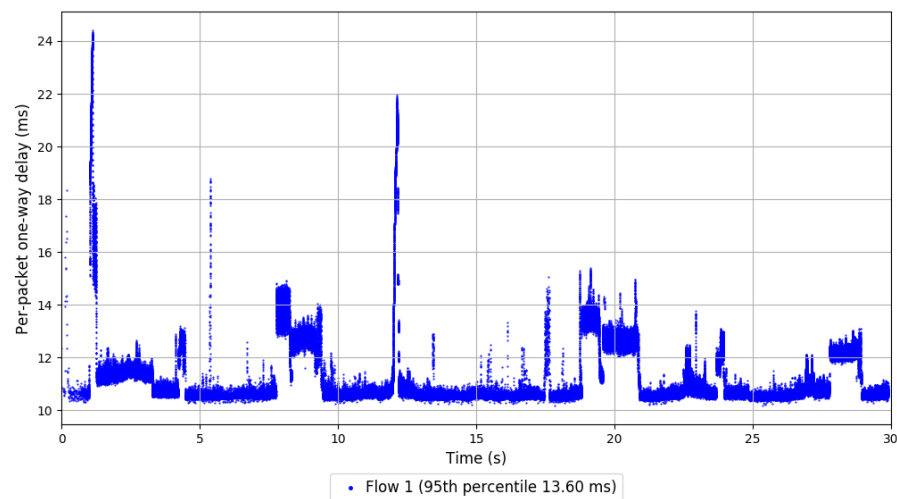
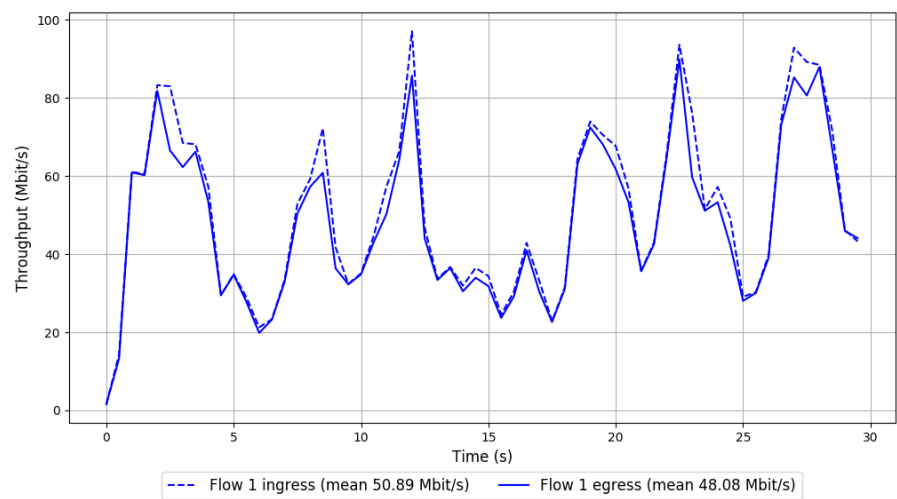
-- Flow 1:

Average throughput: 48.08 Mbit/s

95th percentile per-packet one-way delay: 13.595 ms

Loss rate: 5.53%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-17 05:01:05

End at: 2018-04-17 05:01:35

Local clock offset: -6.014 ms

Remote clock offset: -7.928 ms

Run 1: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of PCC-Expr

Start at: 2018-04-17 05:20:54

End at: 2018-04-17 05:21:24

Local clock offset: -8.679 ms

Remote clock offset: -8.656 ms

Run 2: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of PCC-Expr

Start at: 2018-04-17 05:40:48

End at: 2018-04-17 05:41:18

Local clock offset: -2.789 ms

Remote clock offset: -8.497 ms



Run 3: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of PCC-Expr  
  
Start at: 2018-04-17 06:00:37  
End at: 2018-04-17 06:01:07  
Local clock offset: -8.621 ms  
Remote clock offset: -11.826 ms

Run 4: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of PCC-Expr  
  
Start at: 2018-04-17 06:20:32  
End at: 2018-04-17 06:21:02  
Local clock offset: -3.509 ms  
Remote clock offset: -4.711 ms

Run 5: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 6: Statistics of PCC-Expr

Start at: 2018-04-17 06:40:24

End at: 2018-04-17 06:40:54

Local clock offset: -8.303 ms

Remote clock offset: -5.756 ms

Run 6: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 7: Statistics of PCC-Expr

Start at: 2018-04-17 07:00:08

End at: 2018-04-17 07:00:38

Local clock offset: -11.204 ms

Remote clock offset: -3.777 ms



Run 7: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 8: Statistics of PCC-Expr

Start at: 2018-04-17 07:20:14

End at: 2018-04-17 07:20:44

Local clock offset: -6.335 ms

Remote clock offset: -2.687 ms

Run 8: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 9: Statistics of PCC-Expr

Start at: 2018-04-17 07:39:51

End at: 2018-04-17 07:40:21

Local clock offset: -3.733 ms

Remote clock offset: -7.318 ms

Run 9: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing

Run 10: Statistics of PCC-Expr

Start at: 2018-04-17 07:59:35

End at: 2018-04-17 08:00:05

Local clock offset: -6.328 ms

Remote clock offset: -10.423 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing