

## Pantheon Report

Generated at 2018-04-17 08:33:31 (UTC).

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

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).

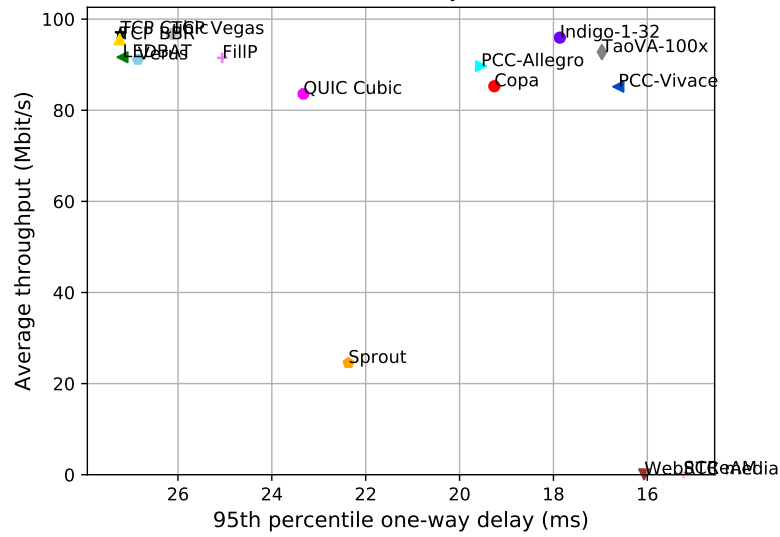
Tested BBR with qdisc of Fair Queuing (**fq**), and other schemes with the default Linux qdisc (**pfifo\_fast**).

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

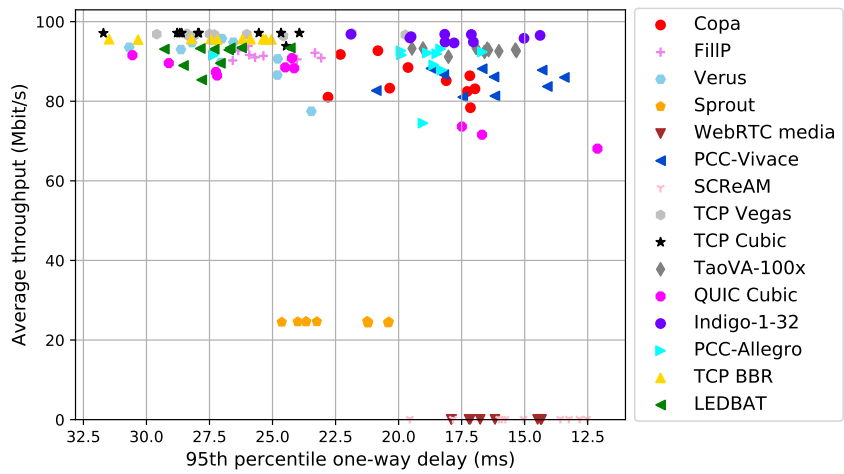
Git summary:

```
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 @ f1a14bffe749737437f61b1eaeab30b267cde681
third_party/sprout @ 6f2efe6e088d91066a9f023df375eee2665089ce
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 7a4ba531e75b4a6f66f5c4580192120401784ce3
third_party/webrtc @ f271183af822eee5d0031620f4bebf38aedc5581
```

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



test from India Ethernet to AWS India 1 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	95.57	27.24	0.13
TCP Cubic	10	96.81	27.23	0.12
LEDBAT	10	91.64	27.18	0.13
PCC-Allegro	10	89.68	19.54	0.10
QUIC Cubic	10	83.59	23.33	0.10
SCReAM	10	0.21	15.23	0.12
WebRTC media	10	0.06	16.07	0.01
Sprout	10	24.53	22.37	0.10
TaoVA-100x	10	92.77	16.97	0.09
TCP Vegas	10	96.74	26.14	0.09
Verus	10	91.16	26.86	0.12
Copa	10	85.28	19.26	0.09
FillP	10	91.49	25.06	0.10
Indigo-1-32	10	95.93	17.86	0.09
PCC-Vivace	10	85.18	16.62	0.09
PCC-Expr	0	N/A	N/A	N/A

Run 1: Statistics of TCP BBR

Start at: 2018-04-17 01:23:42

End at: 2018-04-17 01:24:12

Local clock offset: -4.142 ms

Remote clock offset: -4.353 ms

# Below is generated by plot.py at 2018-04-17 08:10:05

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.49 Mbit/s

95th percentile per-packet one-way delay: 30.332 ms

Loss rate: 0.13%

-- Flow 1:

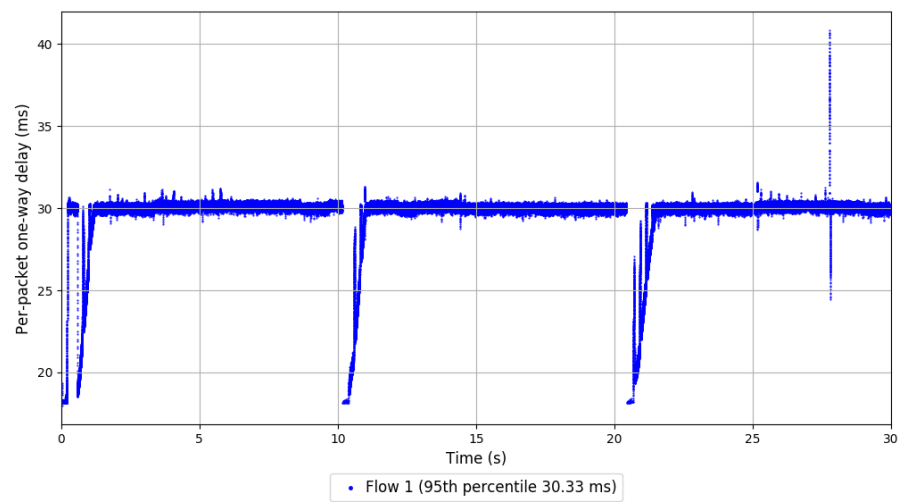
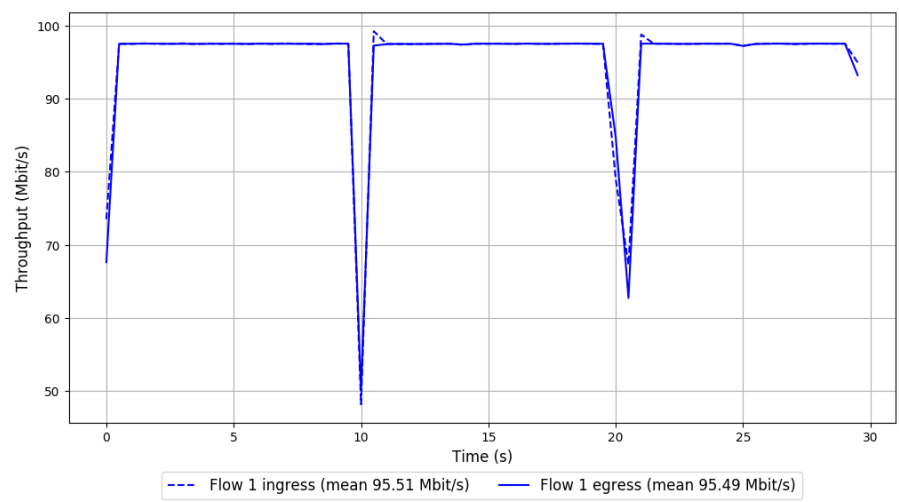
Average throughput: 95.49 Mbit/s

95th percentile per-packet one-way delay: 30.332 ms

Loss rate: 0.13%



Run 1: Report of TCP BBR — Data Link

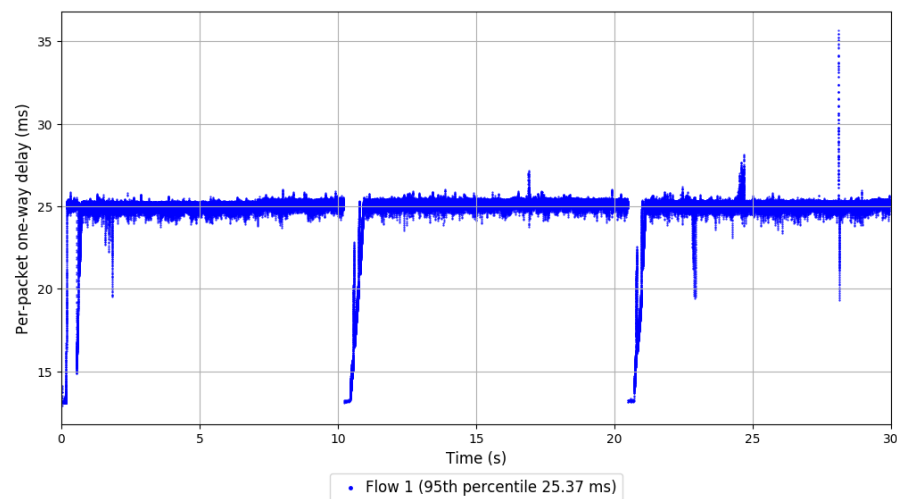
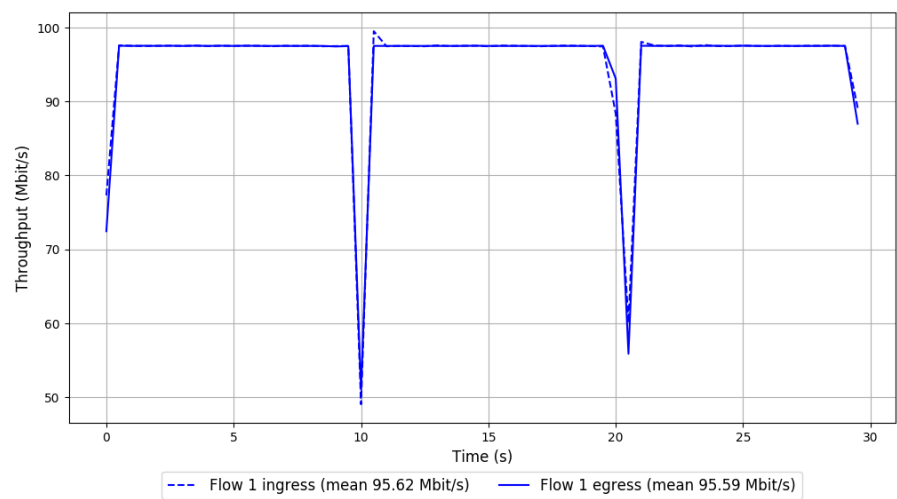


Run 2: Statistics of TCP BBR

Start at: 2018-04-17 01:43:30  
End at: 2018-04-17 01:44:00  
Local clock offset: -13.632 ms  
Remote clock offset: -3.913 ms

# Below is generated by plot.py at 2018-04-17 08:10:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.59 Mbit/s  
95th percentile per-packet one-way delay: 25.372 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 95.59 Mbit/s  
95th percentile per-packet one-way delay: 25.372 ms  
Loss rate: 0.12%

Run 2: Report of TCP BBR — Data Link

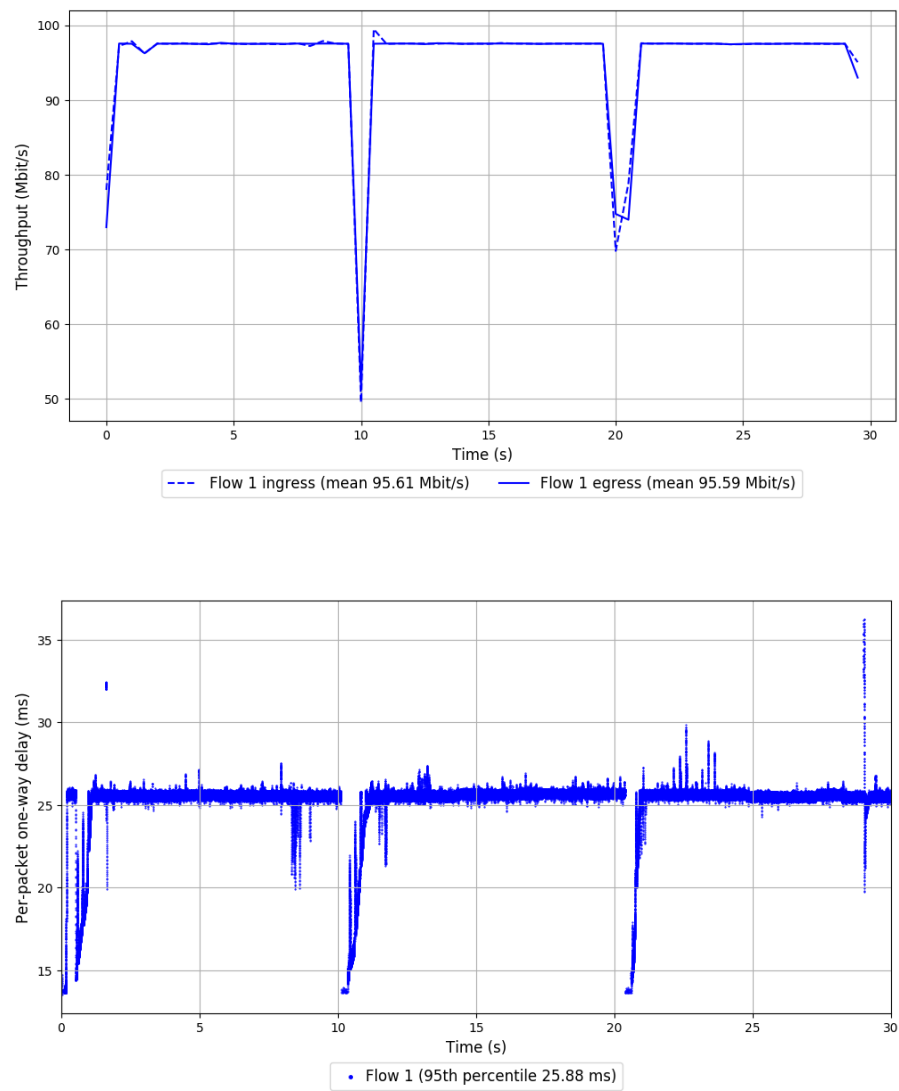


Run 3: Statistics of TCP BBR

Start at: 2018-04-17 02:03:45  
End at: 2018-04-17 02:04:15  
Local clock offset: -12.529 ms  
Remote clock offset: -8.542 ms

# Below is generated by plot.py at 2018-04-17 08:10:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.59 Mbit/s  
95th percentile per-packet one-way delay: 25.877 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 95.59 Mbit/s  
95th percentile per-packet one-way delay: 25.877 ms  
Loss rate: 0.12%

Run 3: Report of TCP BBR — Data Link

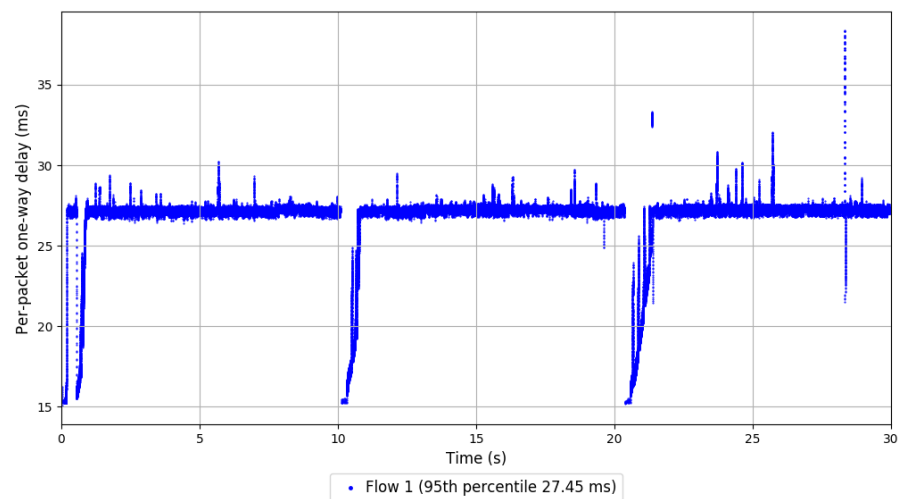
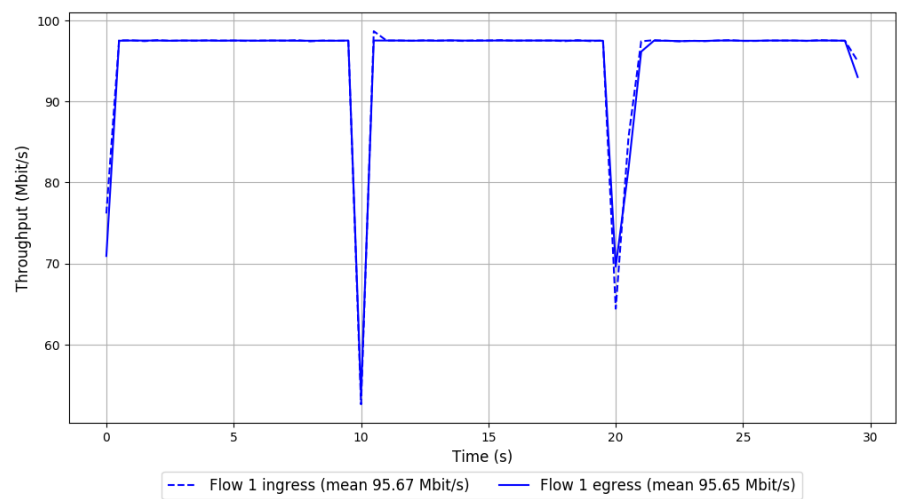


Run 4: Statistics of TCP BBR

Start at: 2018-04-17 02:23:38  
End at: 2018-04-17 02:24:08  
Local clock offset: -14.684 ms  
Remote clock offset: -14.713 ms

# Below is generated by plot.py at 2018-04-17 08:10:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.65 Mbit/s  
95th percentile per-packet one-way delay: 27.451 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 95.65 Mbit/s  
95th percentile per-packet one-way delay: 27.451 ms  
Loss rate: 0.13%

Run 4: Report of TCP BBR — Data Link



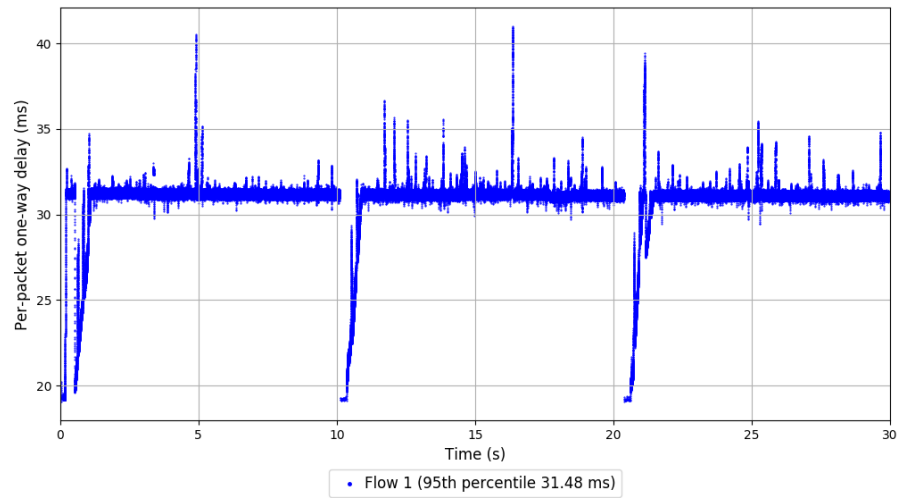
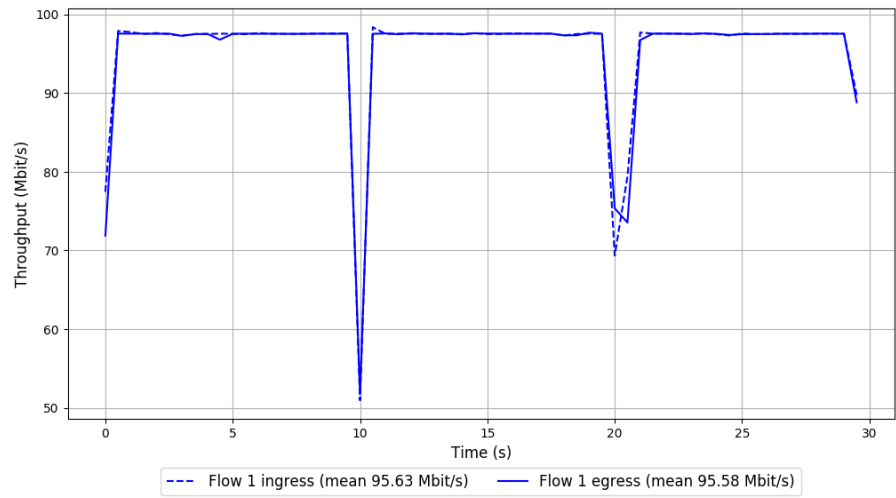
Run 5: Statistics of TCP BBR

Start at: 2018-04-17 02:43:55  
End at: 2018-04-17 02:44:25  
Local clock offset: -8.583 ms  
Remote clock offset: -17.811 ms

# Below is generated by plot.py at 2018-04-17 08:10:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.58 Mbit/s  
95th percentile per-packet one-way delay: 31.481 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 95.58 Mbit/s  
95th percentile per-packet one-way delay: 31.481 ms  
Loss rate: 0.15%



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

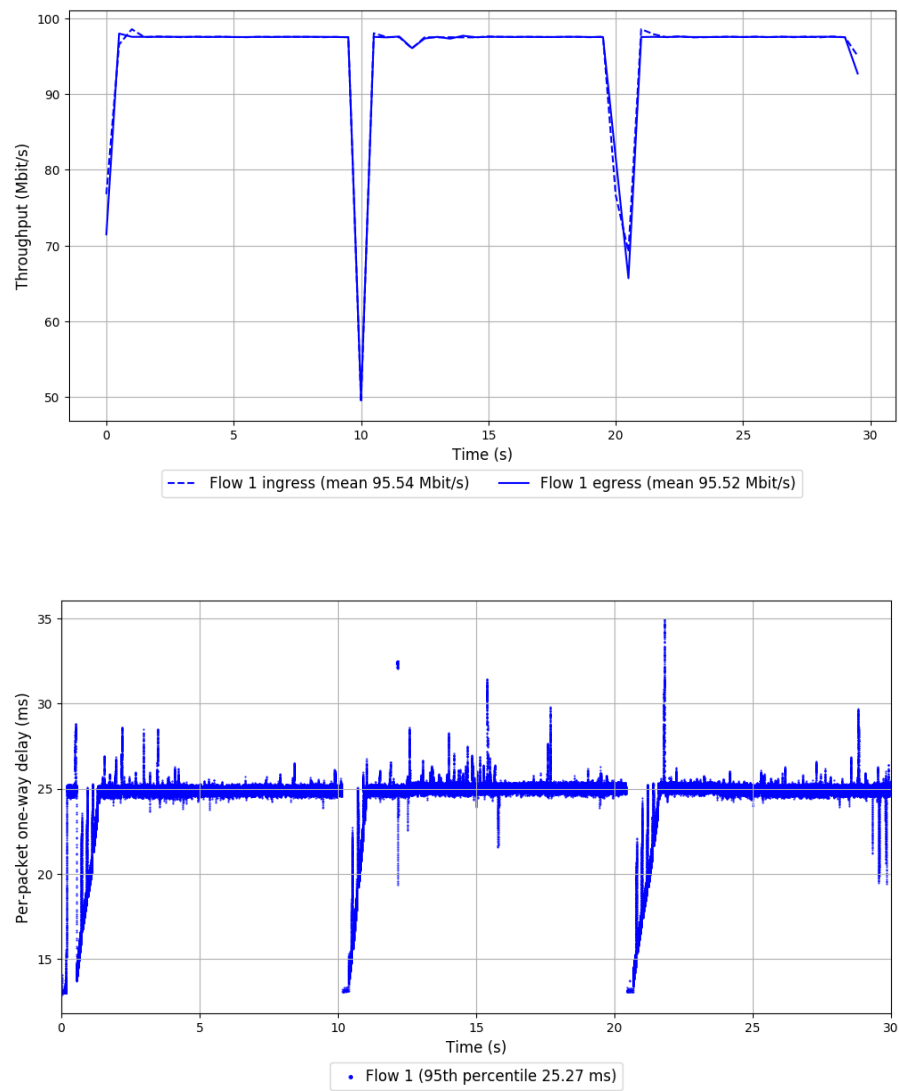


Run 6: Statistics of TCP BBR

Start at: 2018-04-17 03:04:33  
End at: 2018-04-17 03:05:03  
Local clock offset: -9.638 ms  
Remote clock offset: -11.579 ms

# Below is generated by plot.py at 2018-04-17 08:10:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.52 Mbit/s  
95th percentile per-packet one-way delay: 25.268 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 95.52 Mbit/s  
95th percentile per-packet one-way delay: 25.268 ms  
Loss rate: 0.13%

Run 6: Report of TCP BBR — Data Link

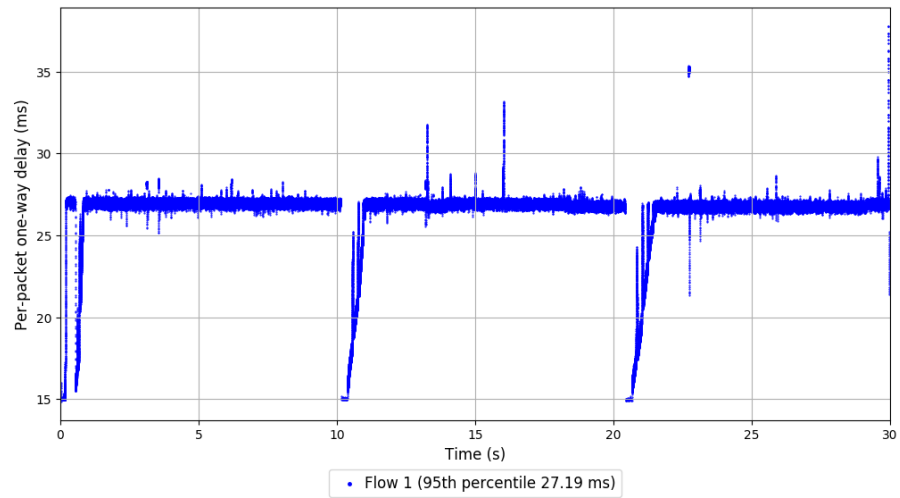
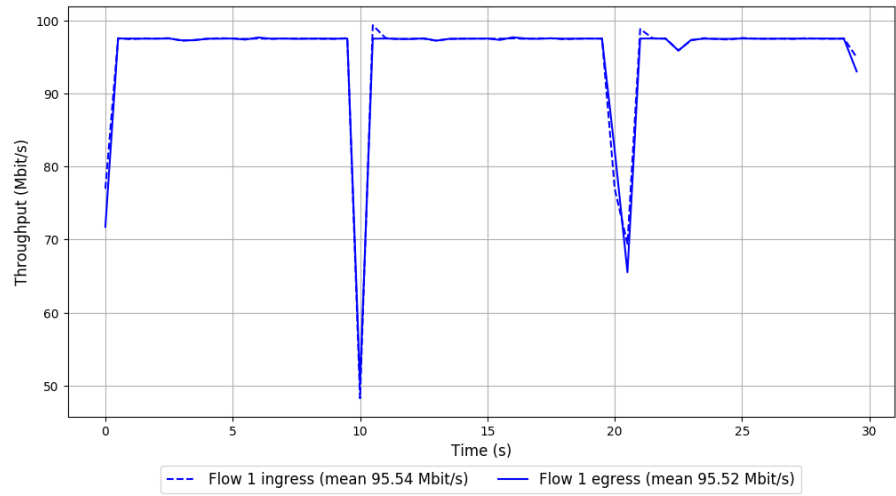


Run 7: Statistics of TCP BBR

Start at: 2018-04-17 03:25:07  
End at: 2018-04-17 03:25:37  
Local clock offset: -1.056 ms  
Remote clock offset: -10.748 ms

# Below is generated by plot.py at 2018-04-17 08:10:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.52 Mbit/s  
95th percentile per-packet one-way delay: 27.189 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 95.52 Mbit/s  
95th percentile per-packet one-way delay: 27.189 ms  
Loss rate: 0.13%

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

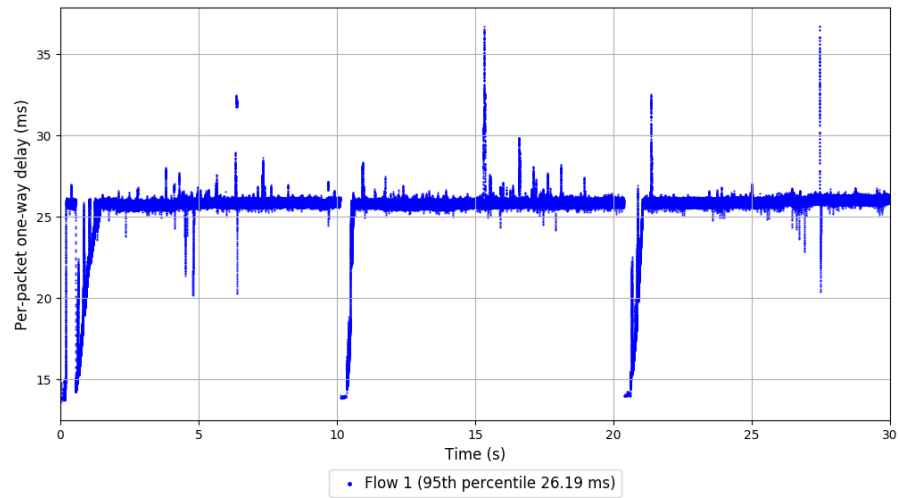
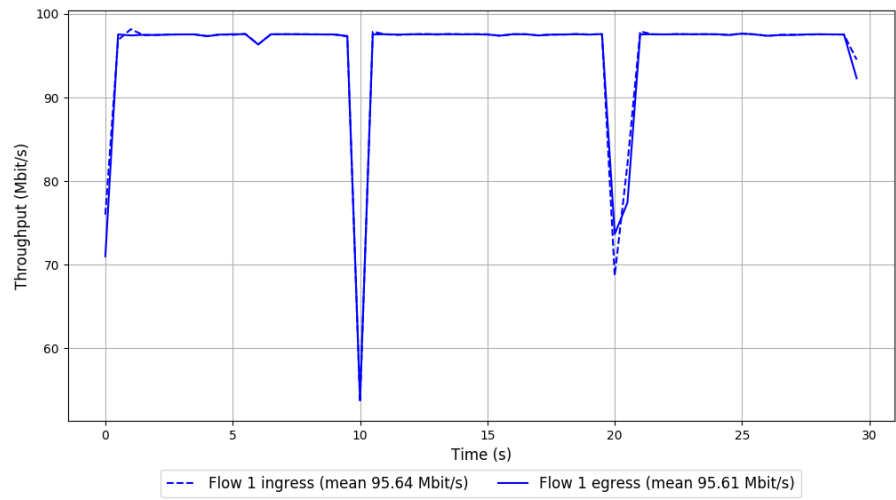


Run 8: Statistics of TCP BBR

Start at: 2018-04-17 03:46:02  
End at: 2018-04-17 03:46:33  
Local clock offset: -3.882 ms  
Remote clock offset: -11.274 ms

# Below is generated by plot.py at 2018-04-17 08:10:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.61 Mbit/s  
95th percentile per-packet one-way delay: 26.192 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 95.61 Mbit/s  
95th percentile per-packet one-way delay: 26.192 ms  
Loss rate: 0.13%

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



Run 9: Statistics of TCP BBR

Start at: 2018-04-17 04:06:45

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

Local clock offset: -8.95 ms

Remote clock offset: -9.823 ms

# Below is generated by plot.py at 2018-04-17 08:11:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.53 Mbit/s

95th percentile per-packet one-way delay: 25.041 ms

Loss rate: 0.13%

-- Flow 1:

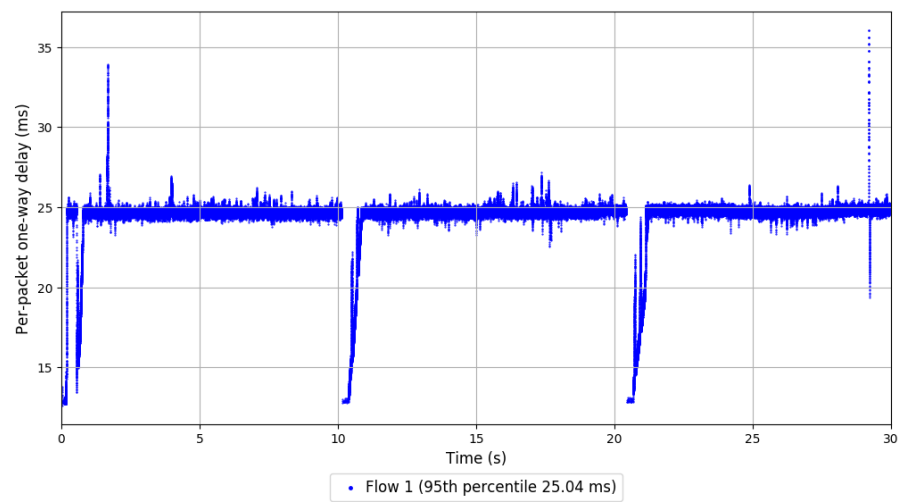
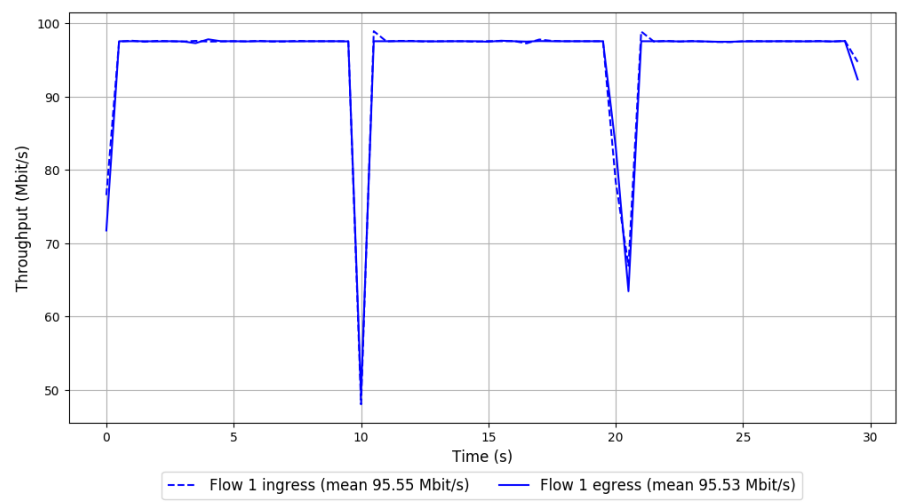
Average throughput: 95.53 Mbit/s

95th percentile per-packet one-way delay: 25.041 ms

Loss rate: 0.13%



Run 9: Report of TCP BBR — Data Link

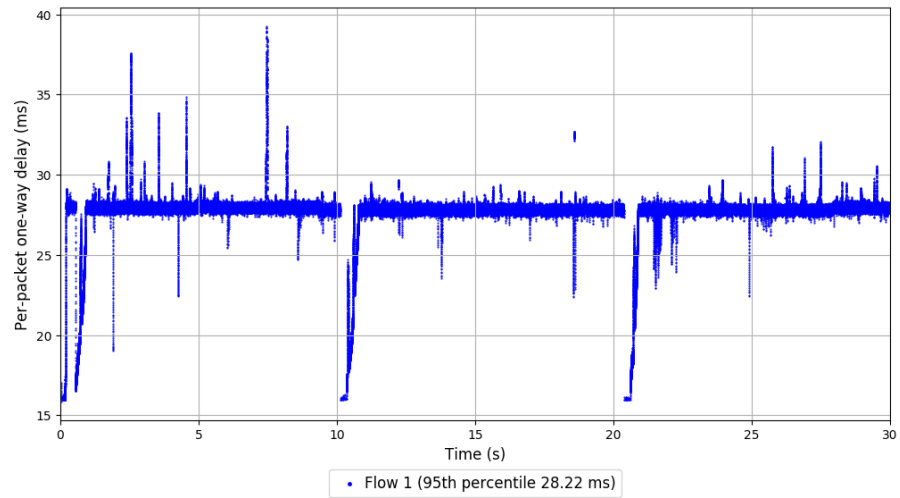
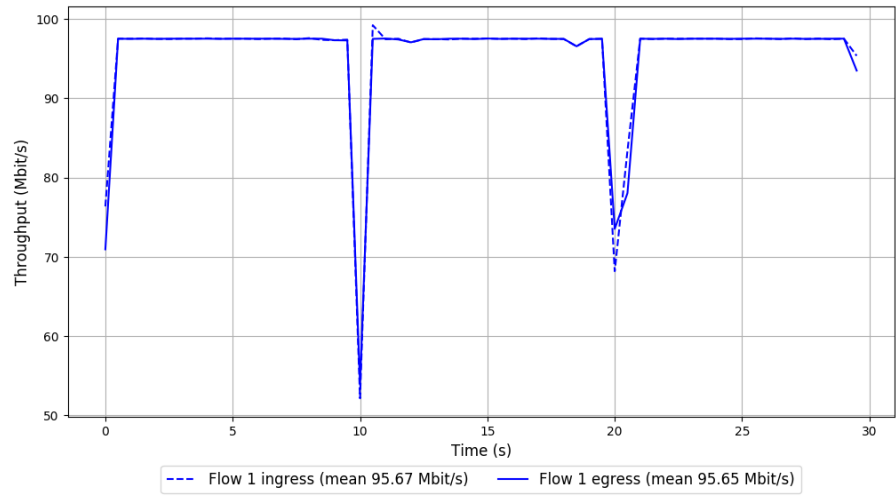


Run 10: Statistics of TCP BBR

Start at: 2018-04-17 04:27:38  
End at: 2018-04-17 04:28:08  
Local clock offset: -3.829 ms  
Remote clock offset: -8.305 ms

# Below is generated by plot.py at 2018-04-17 08:11:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.65 Mbit/s  
95th percentile per-packet one-way delay: 28.217 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 95.65 Mbit/s  
95th percentile per-packet one-way delay: 28.217 ms  
Loss rate: 0.13%

# Run 10: Report of TCP BBR — Data Link

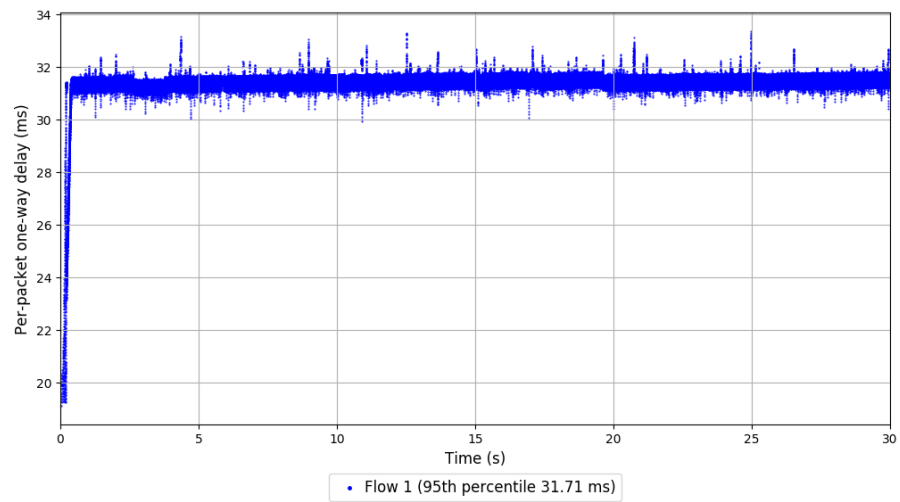
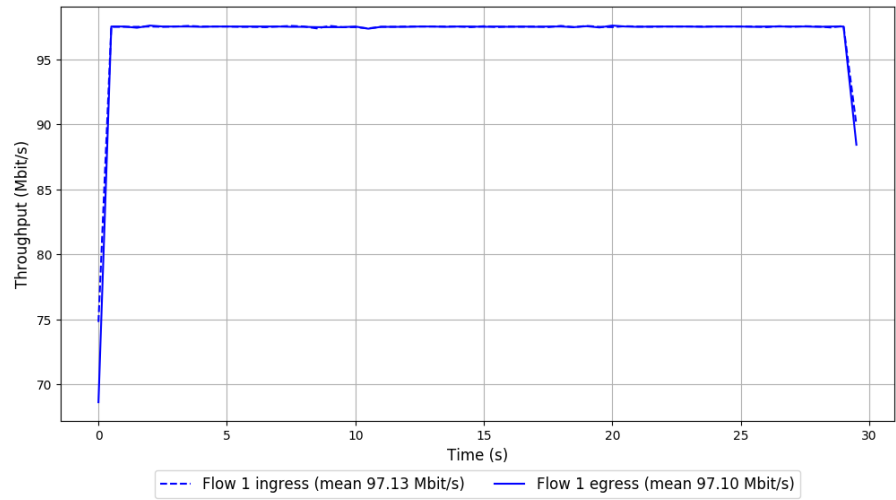


Run 1: Statistics of TCP Cubic

Start at: 2018-04-17 01:27:14  
End at: 2018-04-17 01:27:44  
Local clock offset: -5.868 ms  
Remote clock offset: -4.977 ms

# Below is generated by plot.py at 2018-04-17 08:11:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.10 Mbit/s  
95th percentile per-packet one-way delay: 31.706 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 97.10 Mbit/s  
95th percentile per-packet one-way delay: 31.706 ms  
Loss rate: 0.13%

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

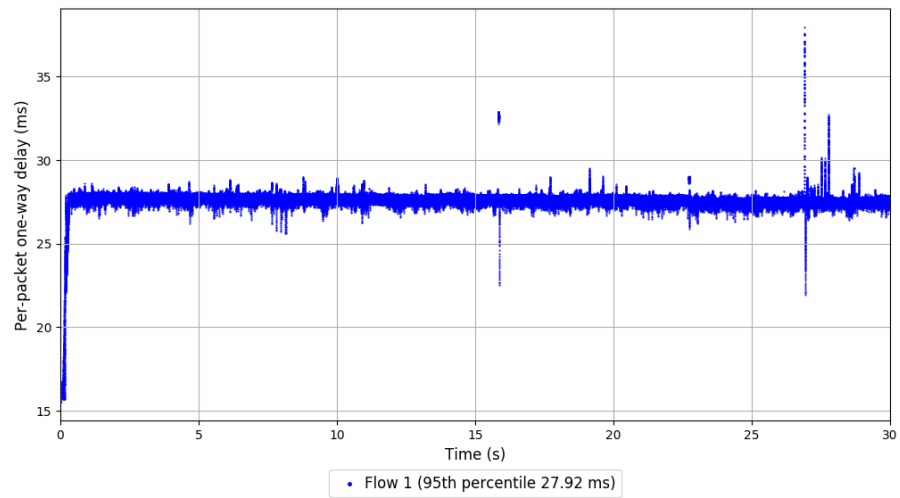
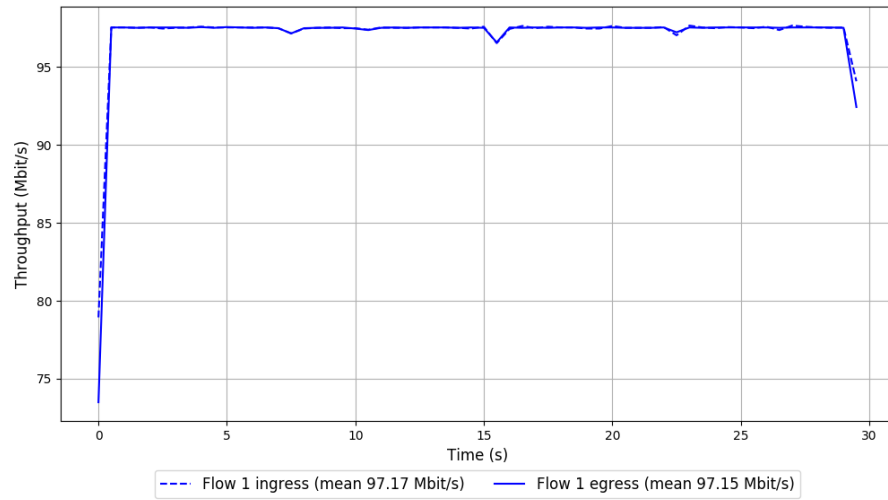


Run 2: Statistics of TCP Cubic

Start at: 2018-04-17 01:46:58  
End at: 2018-04-17 01:47:28  
Local clock offset: -11.34 ms  
Remote clock offset: -5.503 ms

# Below is generated by plot.py at 2018-04-17 08:11:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.15 Mbit/s  
95th percentile per-packet one-way delay: 27.922 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 97.15 Mbit/s  
95th percentile per-packet one-way delay: 27.922 ms  
Loss rate: 0.12%

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



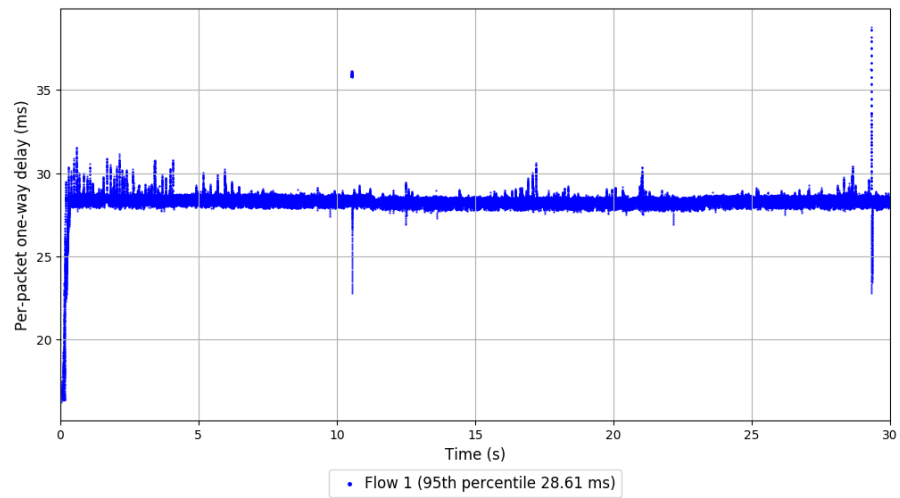
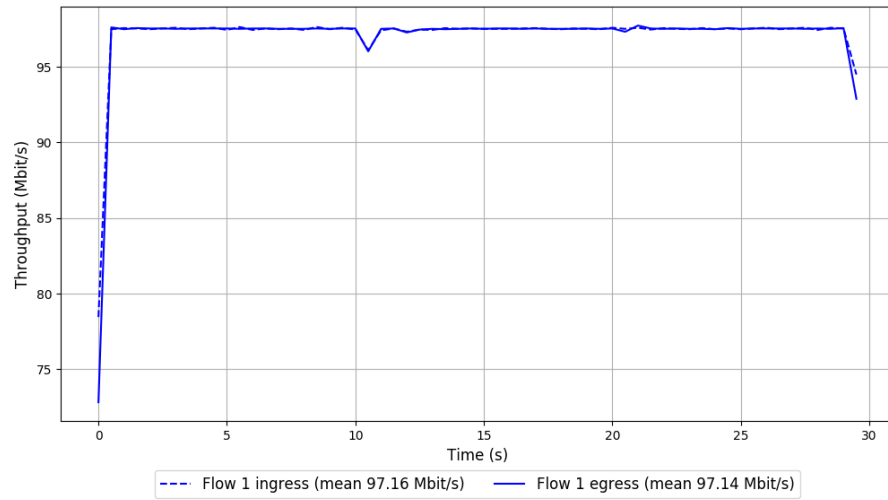
Run 3: Statistics of TCP Cubic

Start at: 2018-04-17 02:07:19  
End at: 2018-04-17 02:07:49  
Local clock offset: -11.565 ms  
Remote clock offset: -10.951 ms

# Below is generated by plot.py at 2018-04-17 08:11:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.14 Mbit/s  
95th percentile per-packet one-way delay: 28.606 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 97.14 Mbit/s  
95th percentile per-packet one-way delay: 28.606 ms  
Loss rate: 0.12%



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

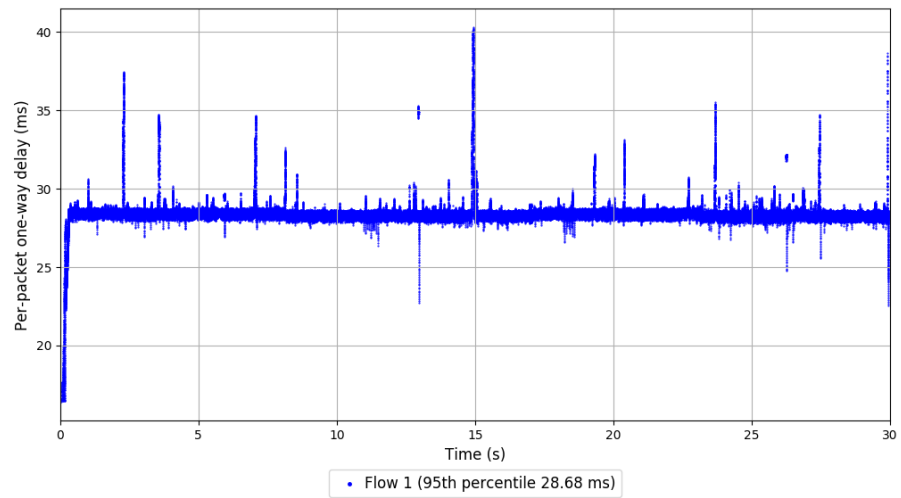
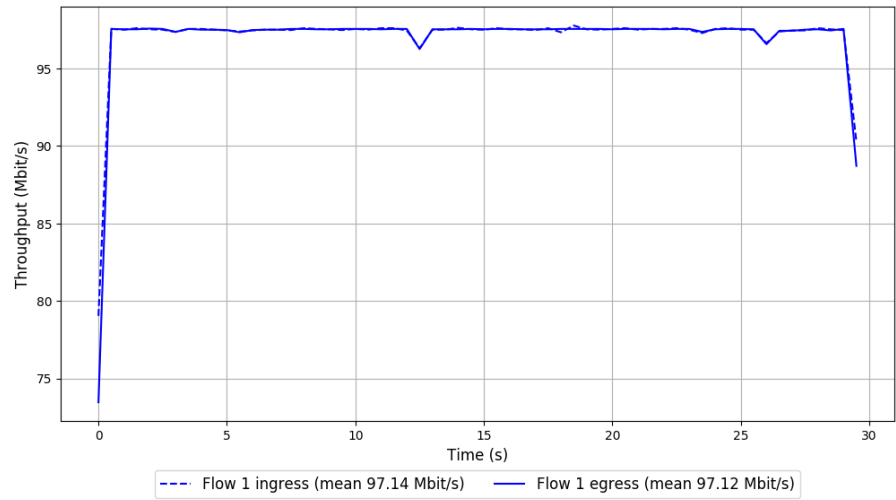


Run 4: Statistics of TCP Cubic

Start at: 2018-04-17 02:27:12  
End at: 2018-04-17 02:27:42  
Local clock offset: -12.51 ms  
Remote clock offset: -14.063 ms

# Below is generated by plot.py at 2018-04-17 08:11:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.12 Mbit/s  
95th percentile per-packet one-way delay: 28.683 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 97.12 Mbit/s  
95th percentile per-packet one-way delay: 28.683 ms  
Loss rate: 0.12%

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

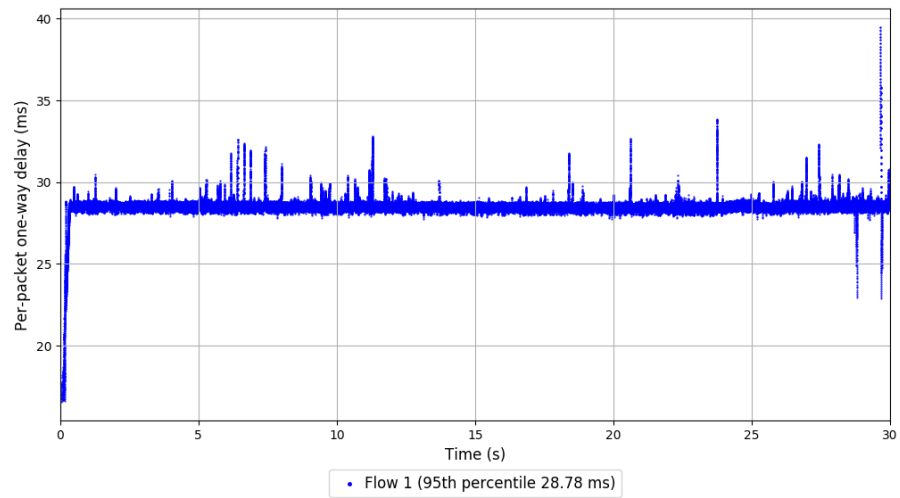
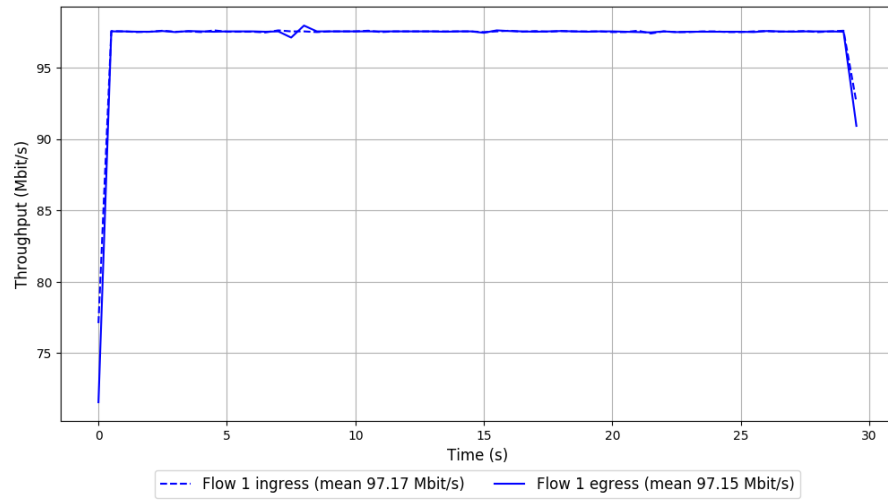


Run 5: Statistics of TCP Cubic

Start at: 2018-04-17 02:47:36  
End at: 2018-04-17 02:48:06  
Local clock offset: -7.98 ms  
Remote clock offset: -15.59 ms

# Below is generated by plot.py at 2018-04-17 08:11:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.15 Mbit/s  
95th percentile per-packet one-way delay: 28.781 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 97.15 Mbit/s  
95th percentile per-packet one-way delay: 28.781 ms  
Loss rate: 0.12%

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

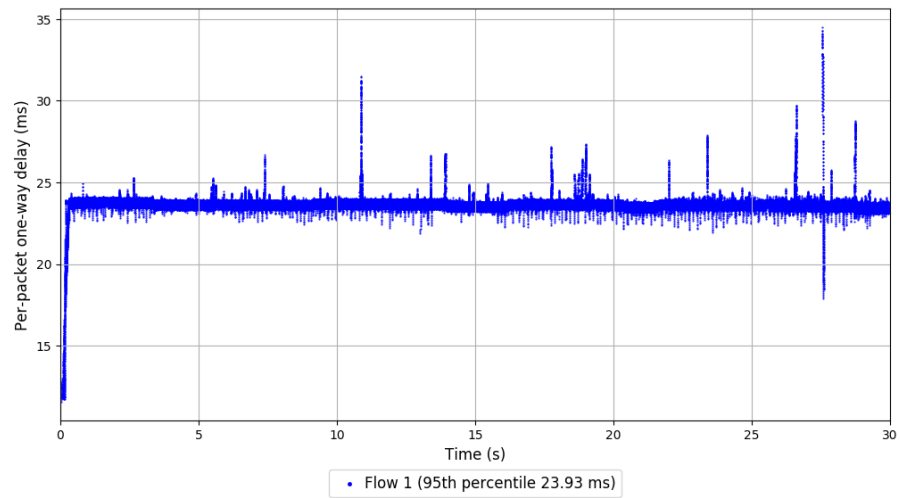
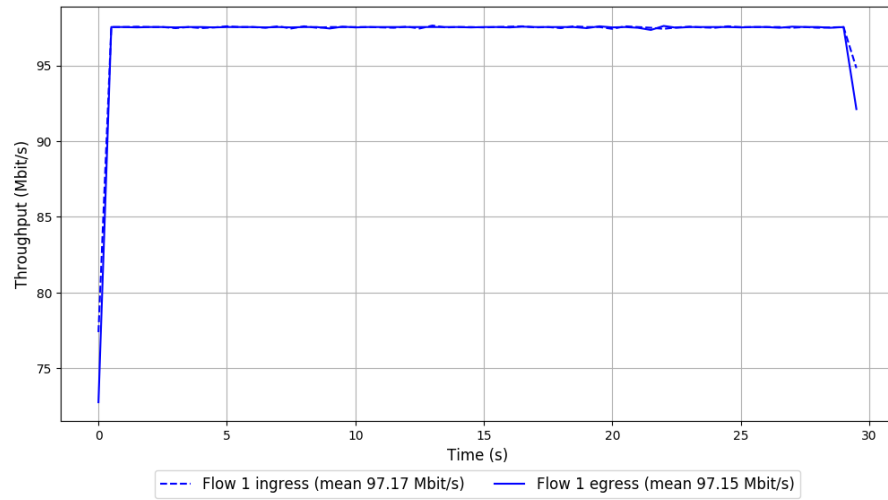


Run 6: Statistics of TCP Cubic

Start at: 2018-04-17 03:08:10  
End at: 2018-04-17 03:08:40  
Local clock offset: -9.279 ms  
Remote clock offset: -10.589 ms

# Below is generated by plot.py at 2018-04-17 08:11:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.15 Mbit/s  
95th percentile per-packet one-way delay: 23.935 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 97.15 Mbit/s  
95th percentile per-packet one-way delay: 23.935 ms  
Loss rate: 0.13%

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



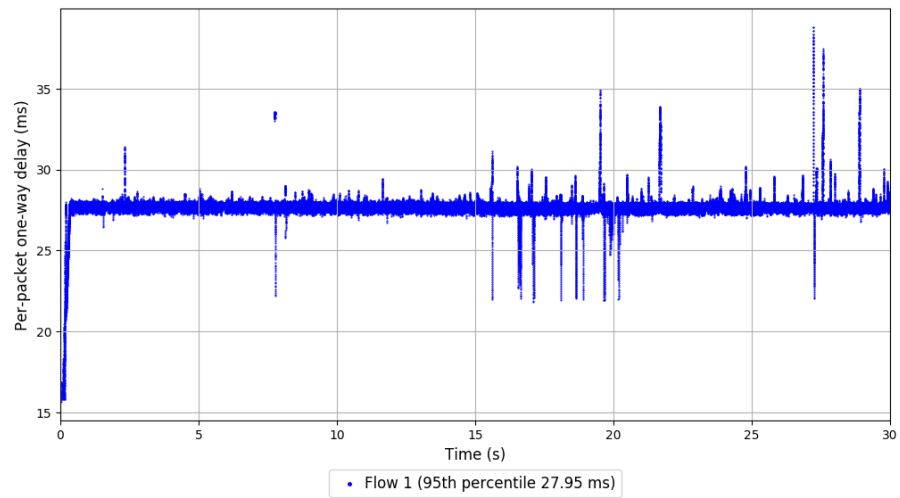
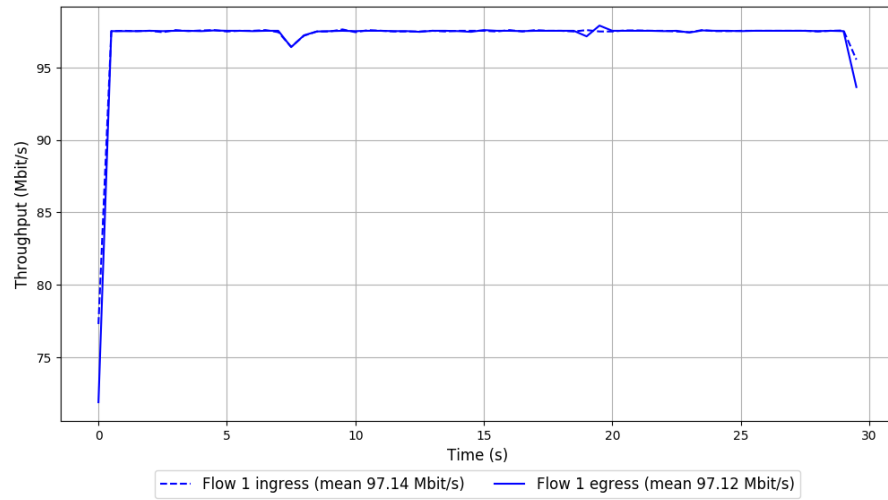
Run 7: Statistics of TCP Cubic

Start at: 2018-04-17 03:28:40  
End at: 2018-04-17 03:29:10  
Local clock offset: -0.16 ms  
Remote clock offset: -11.313 ms

# Below is generated by plot.py at 2018-04-17 08:12:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.12 Mbit/s  
95th percentile per-packet one-way delay: 27.953 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 97.12 Mbit/s  
95th percentile per-packet one-way delay: 27.953 ms  
Loss rate: 0.13%



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

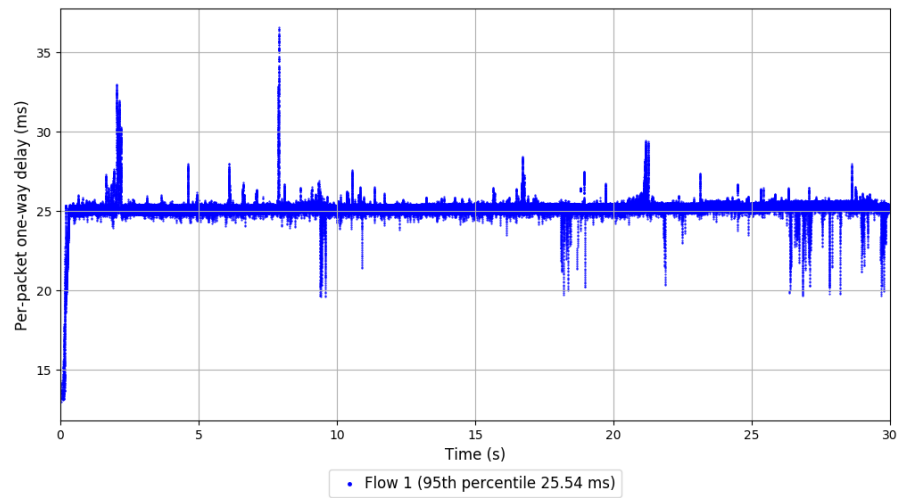
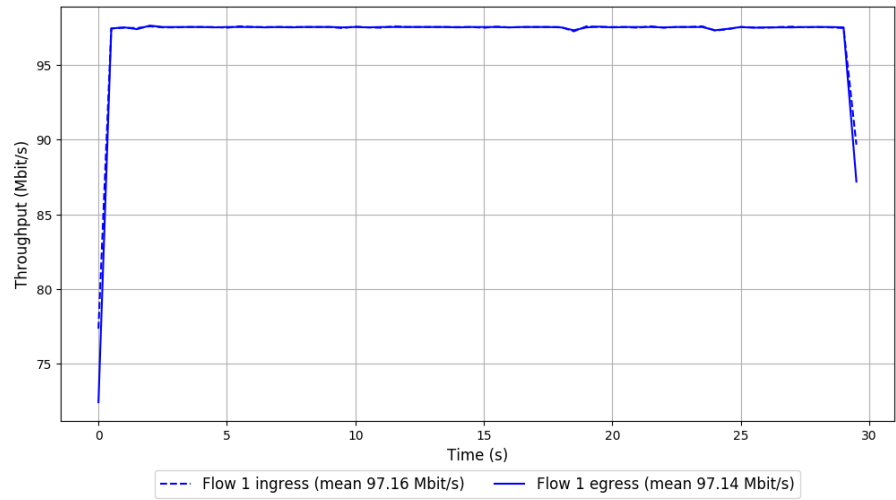


Run 8: Statistics of TCP Cubic

Start at: 2018-04-17 03:49:35  
End at: 2018-04-17 03:50:05  
Local clock offset: -5.875 ms  
Remote clock offset: -11.064 ms

# Below is generated by plot.py at 2018-04-17 08:13:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.14 Mbit/s  
95th percentile per-packet one-way delay: 25.543 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 97.14 Mbit/s  
95th percentile per-packet one-way delay: 25.543 ms  
Loss rate: 0.13%

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

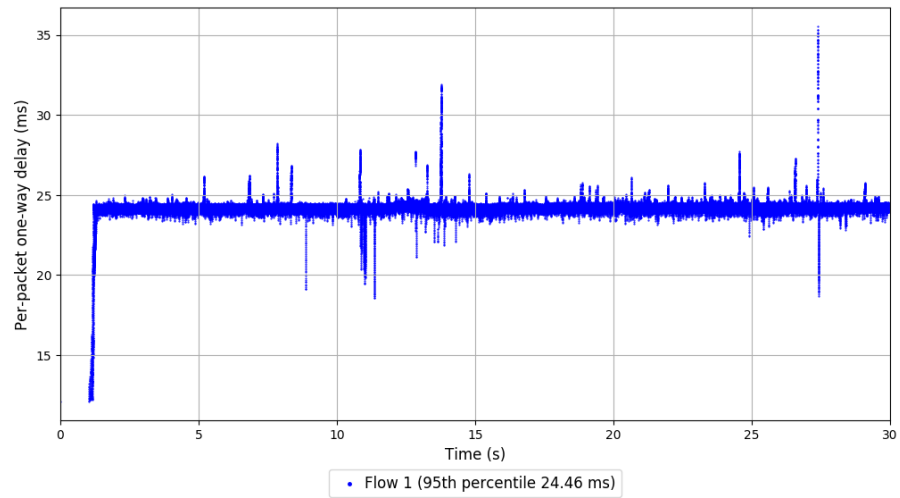
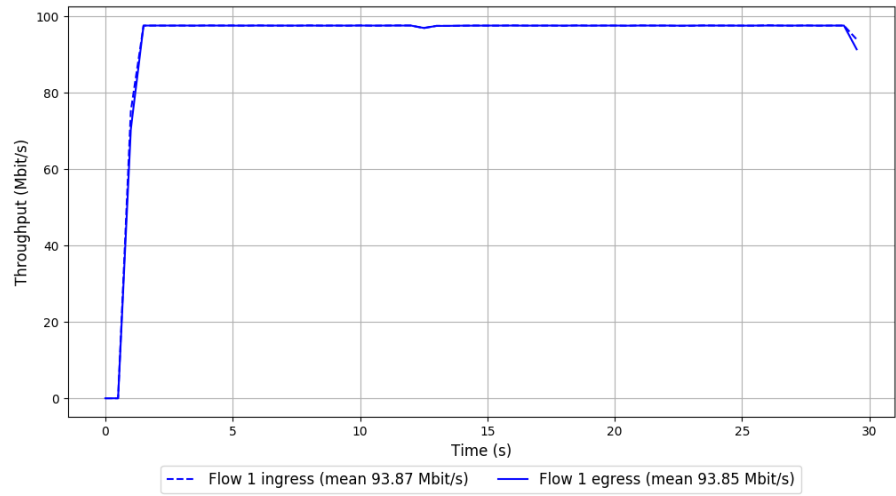


Run 9: Statistics of TCP Cubic

Start at: 2018-04-17 04:10:17  
End at: 2018-04-17 04:10:47  
Local clock offset: -9.498 ms  
Remote clock offset: -9.149 ms

# Below is generated by plot.py at 2018-04-17 08:13:02  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.85 Mbit/s  
95th percentile per-packet one-way delay: 24.460 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 93.85 Mbit/s  
95th percentile per-packet one-way delay: 24.460 ms  
Loss rate: 0.13%

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



Run 10: Statistics of TCP Cubic

Start at: 2018-04-17 04:31:08

End at: 2018-04-17 04:31:38

Local clock offset: -6.225 ms

Remote clock offset: -7.286 ms

# Below is generated by plot.py at 2018-04-17 08:13:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 97.15 Mbit/s

95th percentile per-packet one-way delay: 24.663 ms

Loss rate: 0.12%

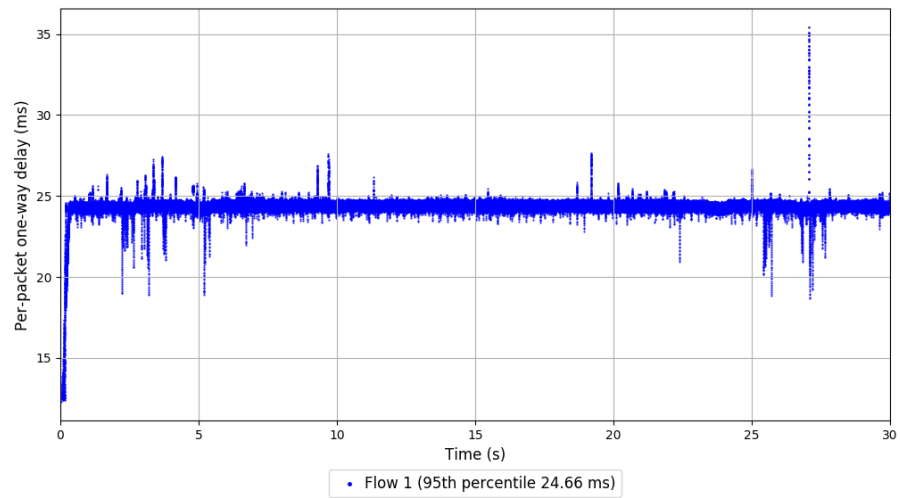
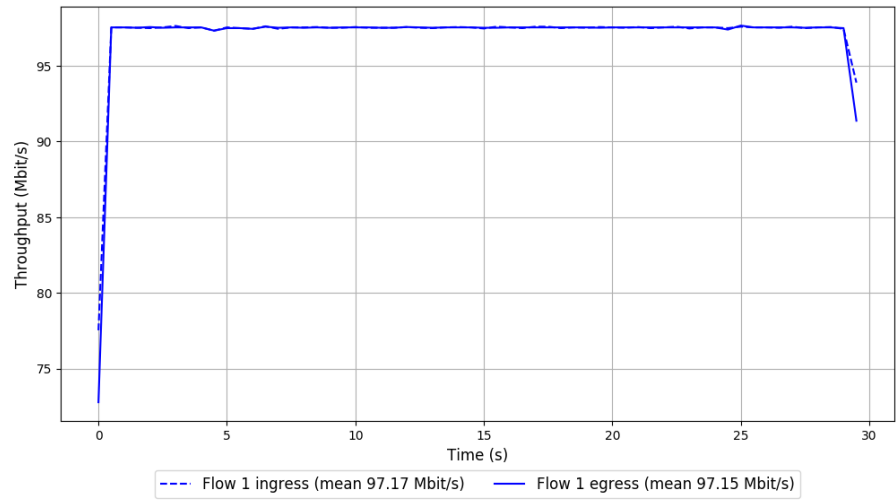
-- Flow 1:

Average throughput: 97.15 Mbit/s

95th percentile per-packet one-way delay: 24.663 ms

Loss rate: 0.12%

# Run 10: Report of TCP Cubic — Data Link



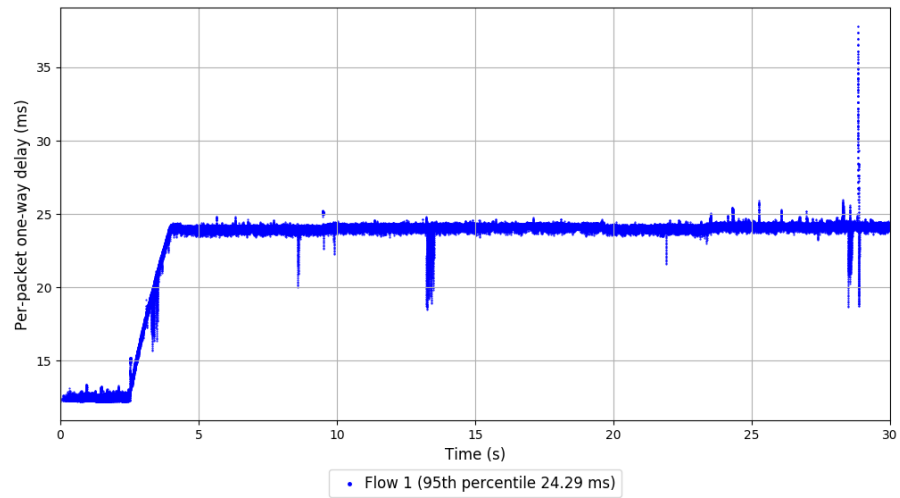
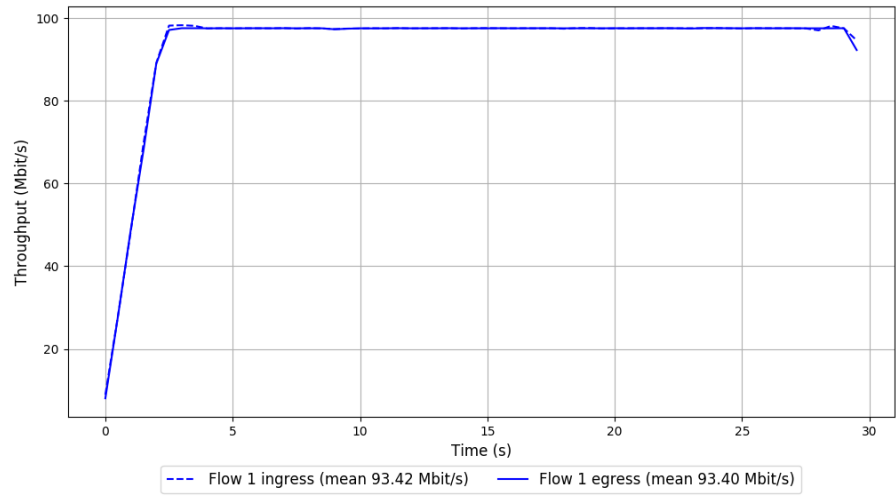
```
Run 1: Statistics of LEDBAT

Start at: 2018-04-17 01:40:04
End at: 2018-04-17 01:40:34
Local clock offset: -13.602 ms
Remote clock offset: -3.711 ms

# Below is generated by plot.py at 2018-04-17 08:13:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.40 Mbit/s
95th percentile per-packet one-way delay: 24.294 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 93.40 Mbit/s
95th percentile per-packet one-way delay: 24.294 ms
Loss rate: 0.13%
```



# Run 1: Report of LEDBAT — Data Link

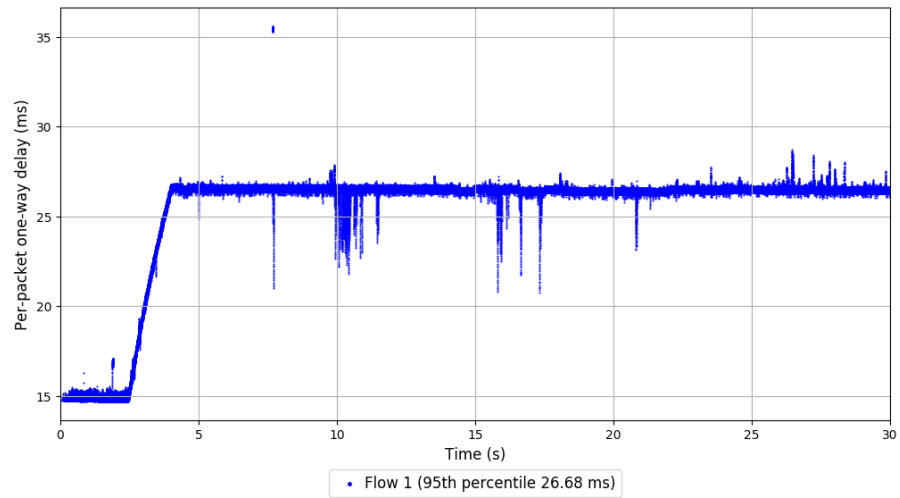
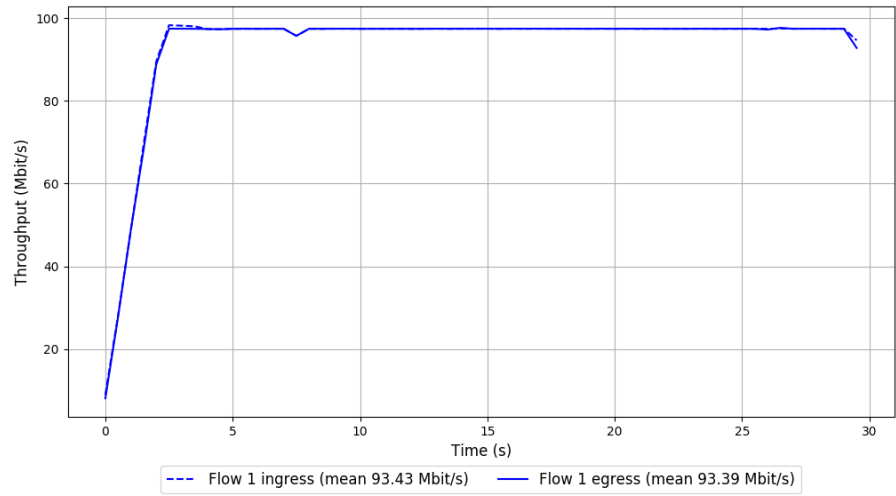


Run 2: Statistics of LEDBAT

Start at: 2018-04-17 02:00:12  
End at: 2018-04-17 02:00:42  
Local clock offset: -13.489 ms  
Remote clock offset: -9.67 ms

# Below is generated by plot.py at 2018-04-17 08:13:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.39 Mbit/s  
95th percentile per-packet one-way delay: 26.677 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 93.39 Mbit/s  
95th percentile per-packet one-way delay: 26.677 ms  
Loss rate: 0.13%

## Run 2: Report of LEDBAT — Data Link

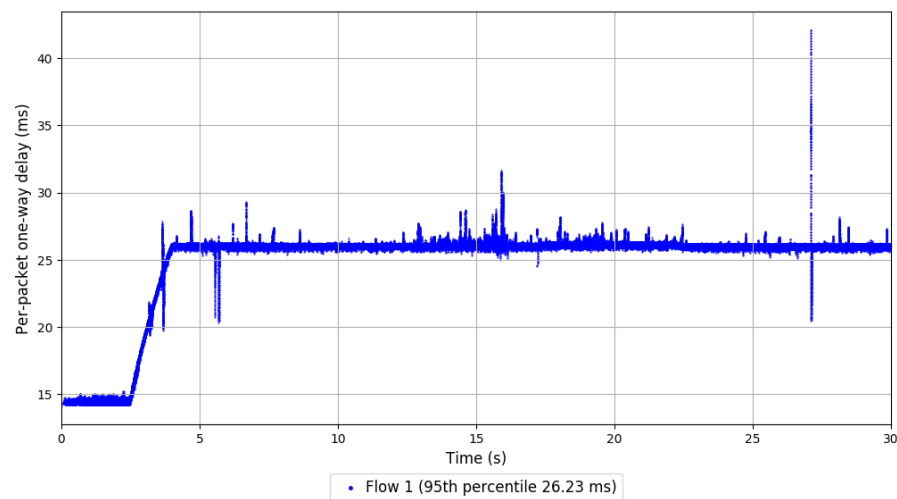
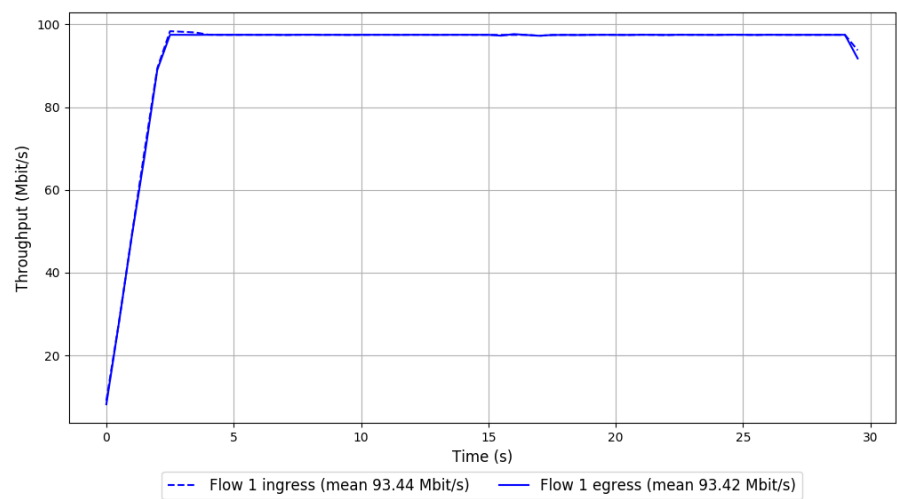


Run 3: Statistics of LEDBAT

Start at: 2018-04-17 02:20:10  
End at: 2018-04-17 02:20:40  
Local clock offset: -12.604 ms  
Remote clock offset: -11.357 ms

# Below is generated by plot.py at 2018-04-17 08:13:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.42 Mbit/s  
95th percentile per-packet one-way delay: 26.229 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 93.42 Mbit/s  
95th percentile per-packet one-way delay: 26.229 ms  
Loss rate: 0.13%

Run 3: Report of LEDBAT — Data Link

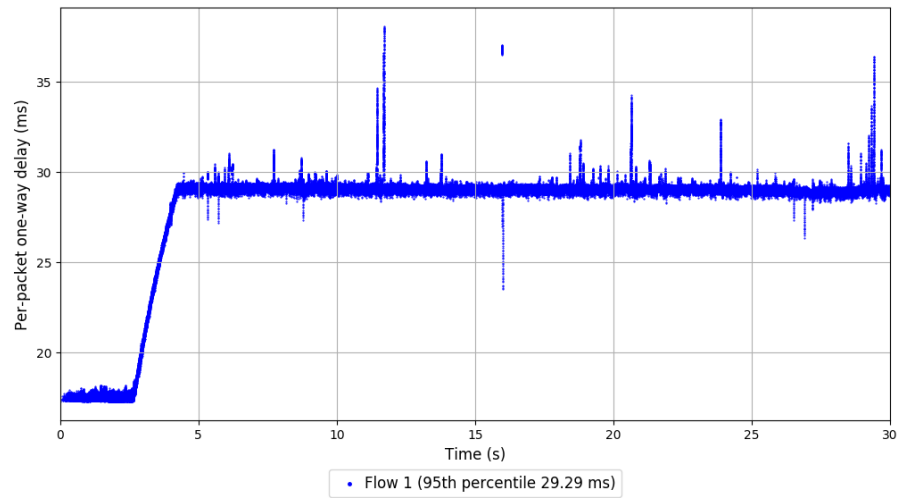
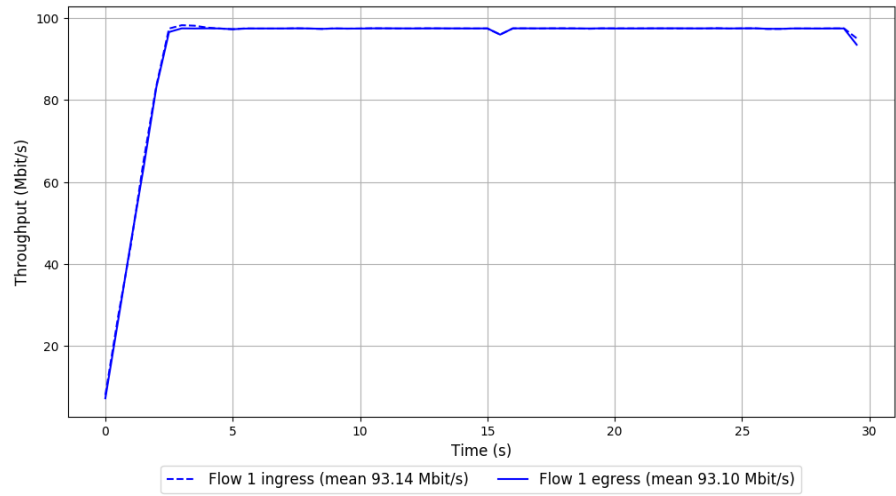


Run 4: Statistics of LEDBAT

Start at: 2018-04-17 02:40:15  
End at: 2018-04-17 02:40:45  
Local clock offset: -10.685 ms  
Remote clock offset: -16.957 ms

# Below is generated by plot.py at 2018-04-17 08:13:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.10 Mbit/s  
95th percentile per-packet one-way delay: 29.290 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 93.10 Mbit/s  
95th percentile per-packet one-way delay: 29.290 ms  
Loss rate: 0.13%

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



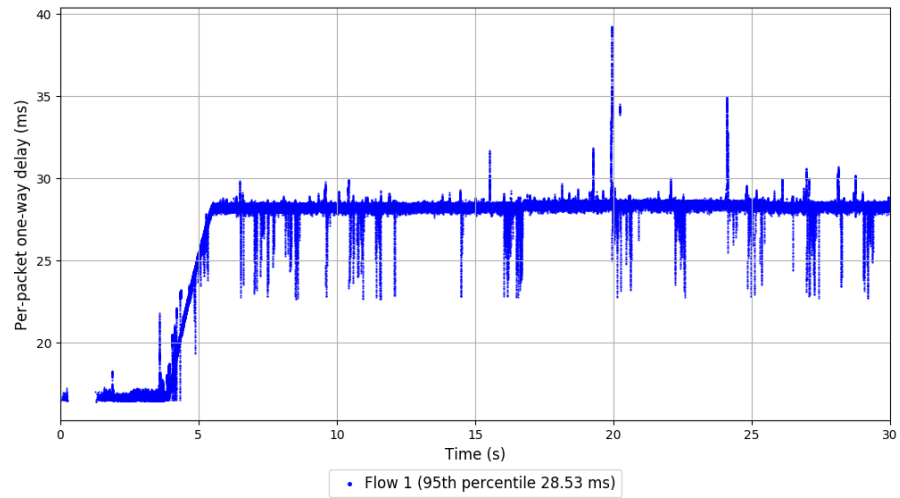
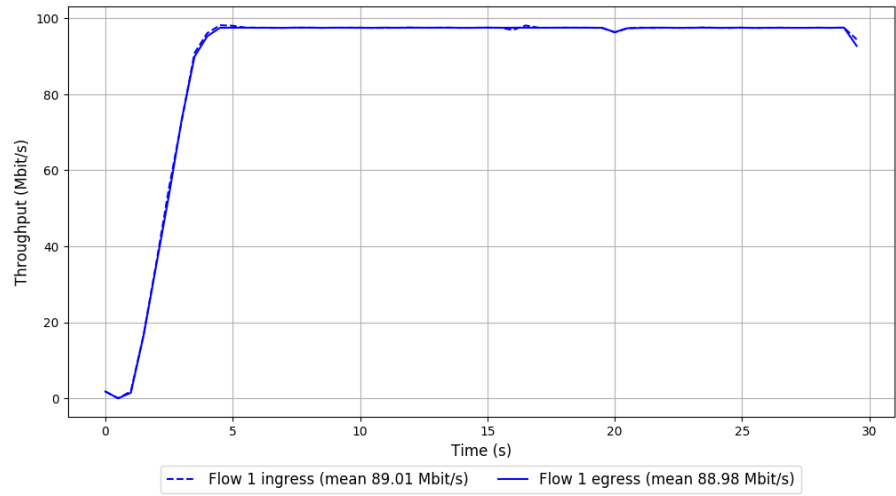
Run 5: Statistics of LEDBAT

Start at: 2018-04-17 03:00:58  
End at: 2018-04-17 03:01:28  
Local clock offset: -7.401 ms  
Remote clock offset: -13.231 ms

# Below is generated by plot.py at 2018-04-17 08:14:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.98 Mbit/s  
95th percentile per-packet one-way delay: 28.532 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 88.98 Mbit/s  
95th percentile per-packet one-way delay: 28.532 ms  
Loss rate: 0.14%



## Run 5: Report of LEDBAT — Data Link

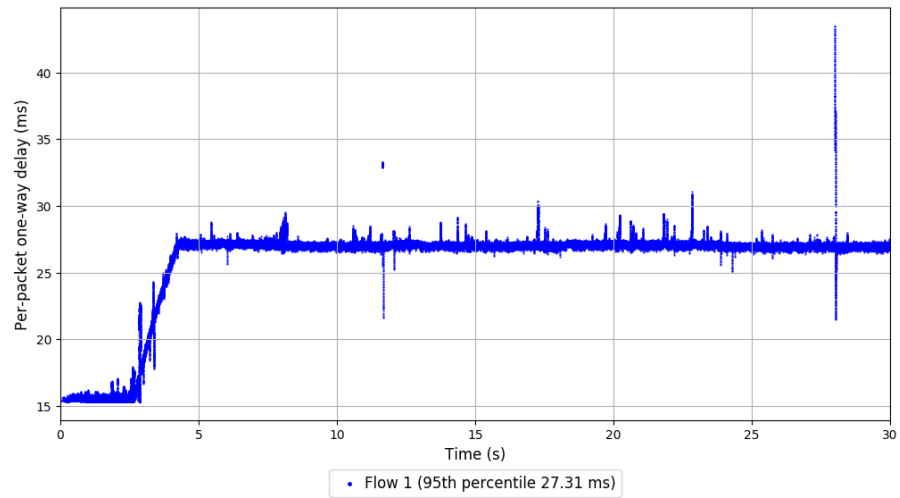
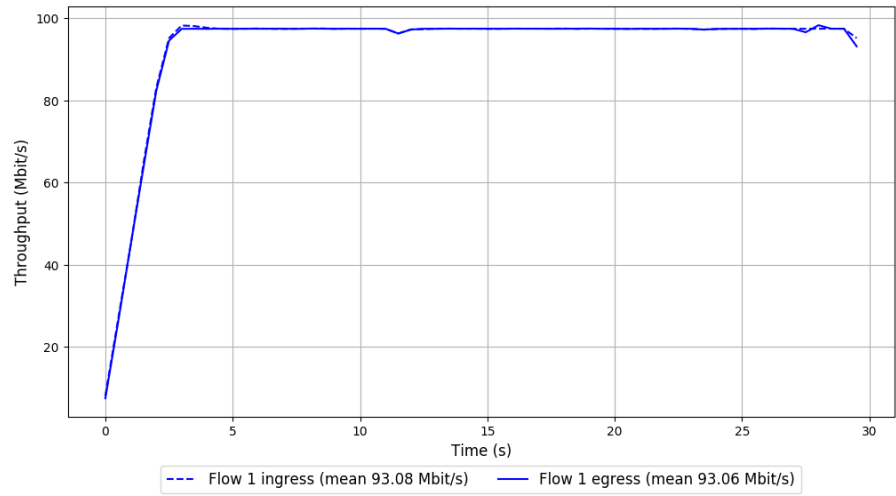


Run 6: Statistics of LEDBAT

Start at: 2018-04-17 03:21:29  
End at: 2018-04-17 03:21:59  
Local clock offset: -2.297 ms  
Remote clock offset: -11.653 ms

# Below is generated by plot.py at 2018-04-17 08:14:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.06 Mbit/s  
95th percentile per-packet one-way delay: 27.313 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 93.06 Mbit/s  
95th percentile per-packet one-way delay: 27.313 ms  
Loss rate: 0.13%

## Run 6: Report of LEDBAT — Data Link

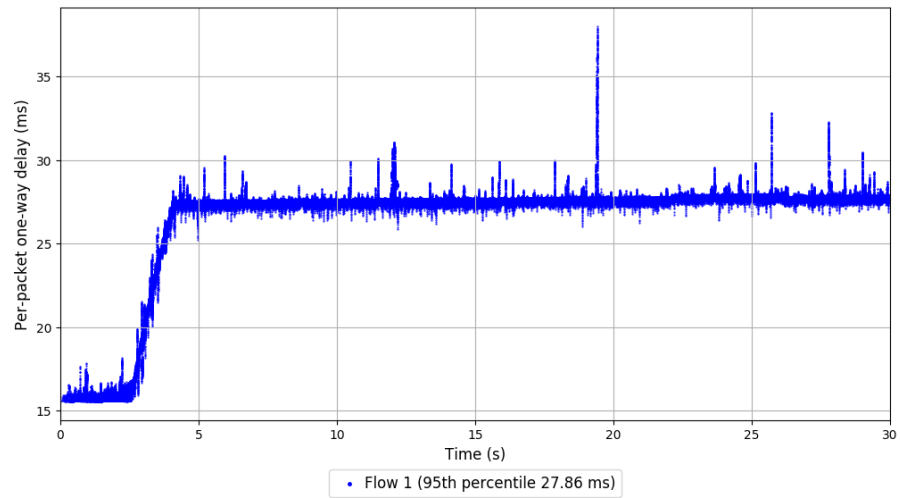
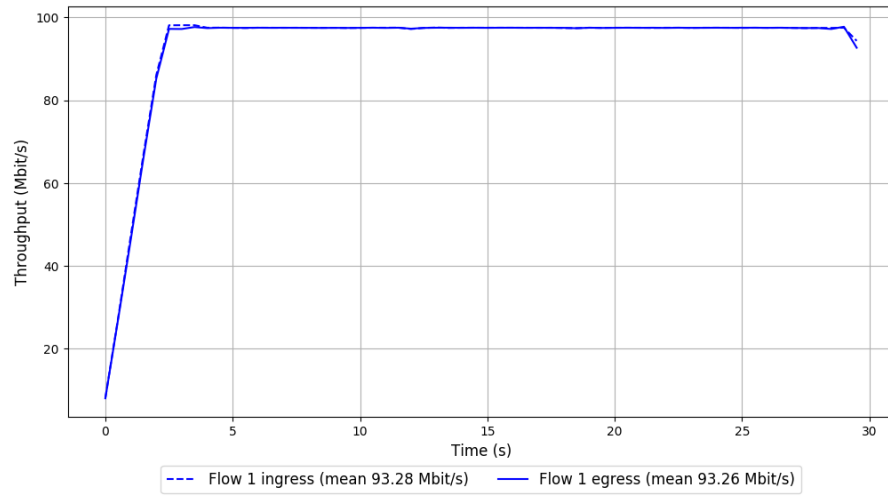


Run 7: Statistics of LEDBAT

Start at: 2018-04-17 03:42:27  
End at: 2018-04-17 03:42:57  
Local clock offset: 0.291 ms  
Remote clock offset: -11.154 ms

# Below is generated by plot.py at 2018-04-17 08:14:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.26 Mbit/s  
95th percentile per-packet one-way delay: 27.865 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 93.26 Mbit/s  
95th percentile per-packet one-way delay: 27.865 ms  
Loss rate: 0.13%

## Run 7: Report of LEDBAT — Data Link

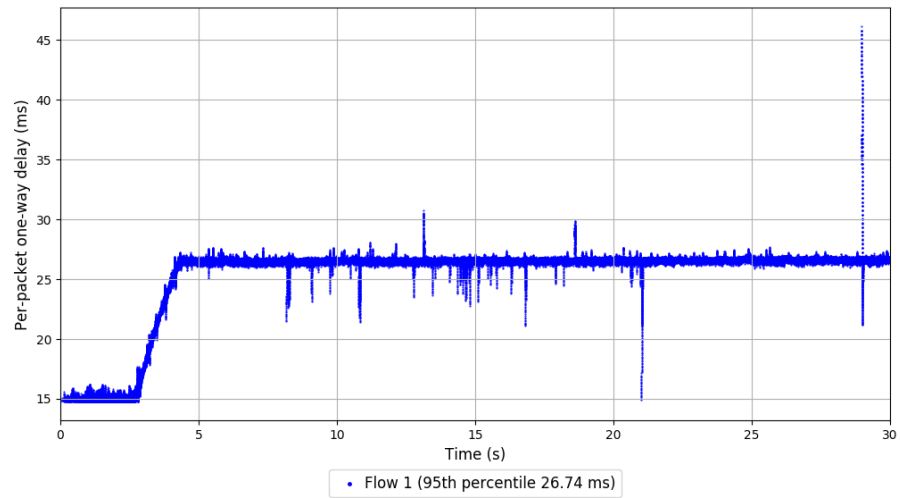
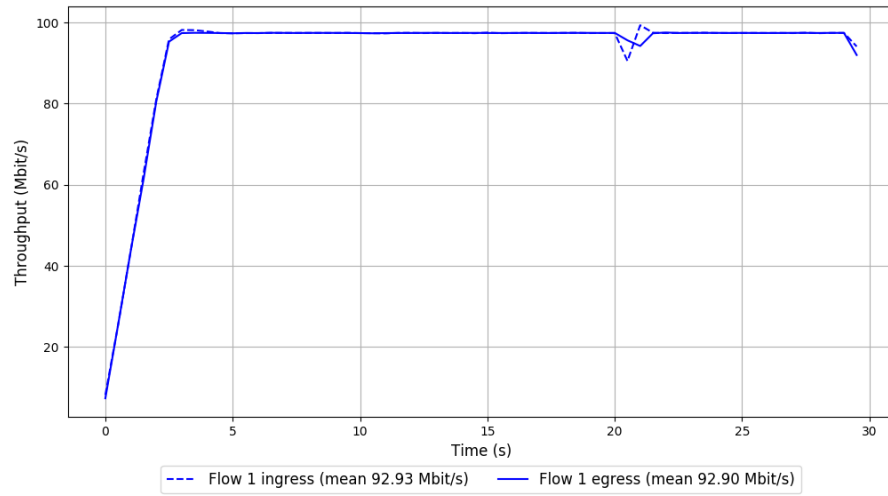


Run 8: Statistics of LEDBAT

Start at: 2018-04-17 04:03:10  
End at: 2018-04-17 04:03:40  
Local clock offset: -5.951 ms  
Remote clock offset: -9.819 ms

# Below is generated by plot.py at 2018-04-17 08:14:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.90 Mbit/s  
95th percentile per-packet one-way delay: 26.741 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 92.90 Mbit/s  
95th percentile per-packet one-way delay: 26.741 ms  
Loss rate: 0.13%

## Run 8: Report of LEDBAT — Data Link



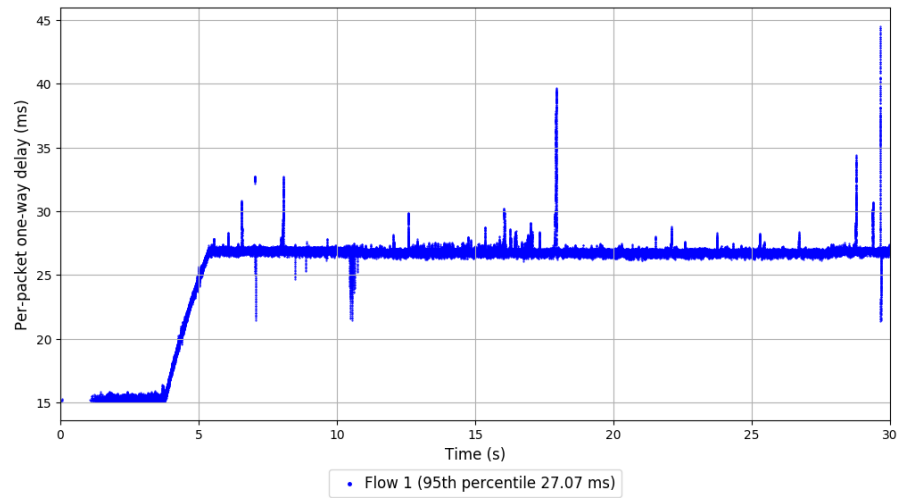
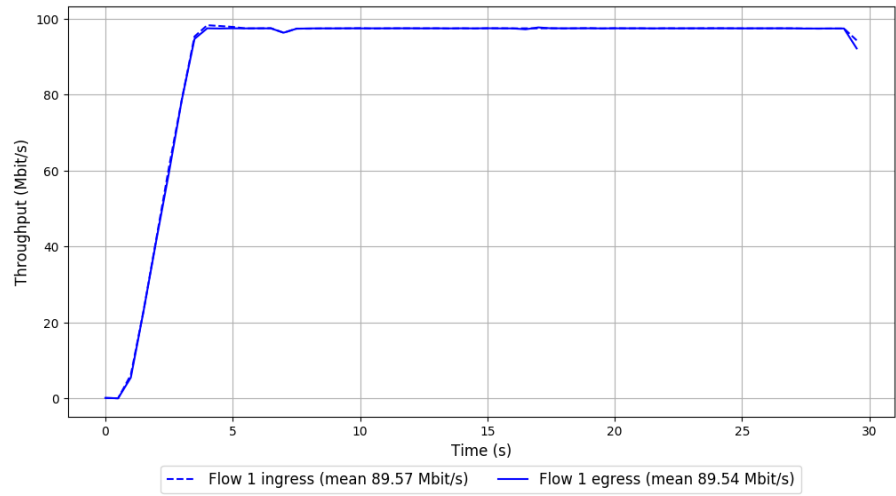
Run 9: Statistics of LEDBAT

Start at: 2018-04-17 04:23:59  
End at: 2018-04-17 04:24:29  
Local clock offset: -4.188 ms  
Remote clock offset: -7.545 ms

# Below is generated by plot.py at 2018-04-17 08:14:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.54 Mbit/s  
95th percentile per-packet one-way delay: 27.068 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 89.54 Mbit/s  
95th percentile per-packet one-way delay: 27.068 ms  
Loss rate: 0.14%



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

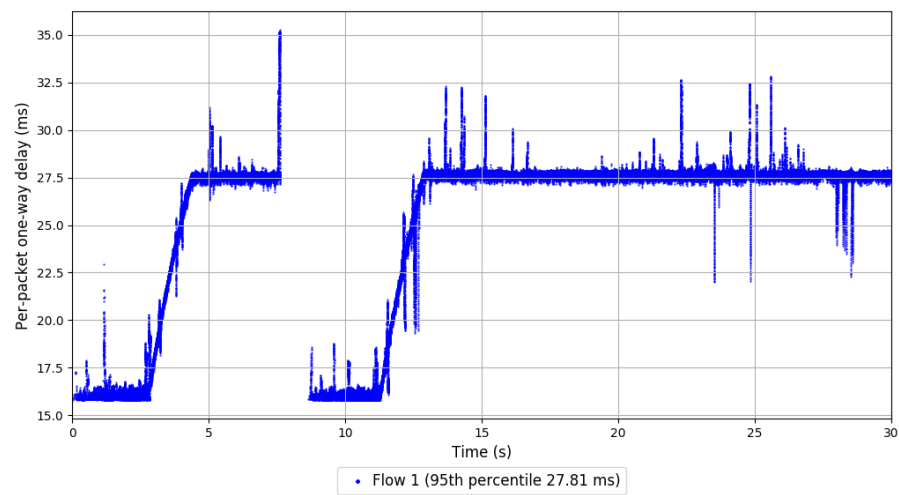
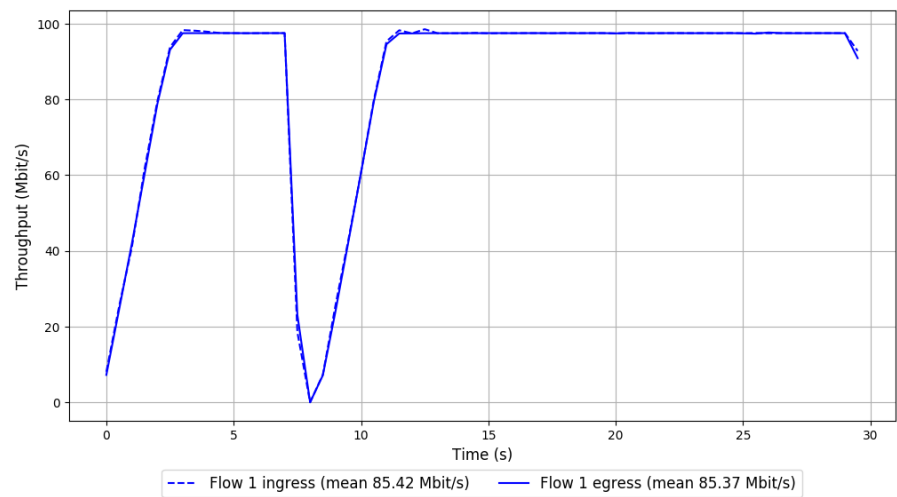


Run 10: Statistics of LEDBAT

Start at: 2018-04-17 04:44:34  
End at: 2018-04-17 04:45:04  
Local clock offset: -2.479 ms  
Remote clock offset: -8.452 ms

# Below is generated by plot.py at 2018-04-17 08:14:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.37 Mbit/s  
95th percentile per-packet one-way delay: 27.810 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 85.37 Mbit/s  
95th percentile per-packet one-way delay: 27.810 ms  
Loss rate: 0.16%

Run 10: Report of LEDBAT — Data Link

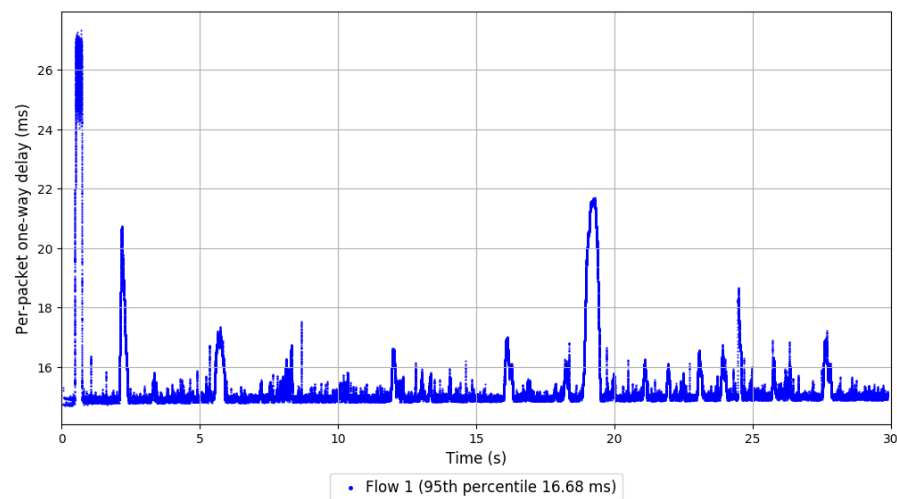
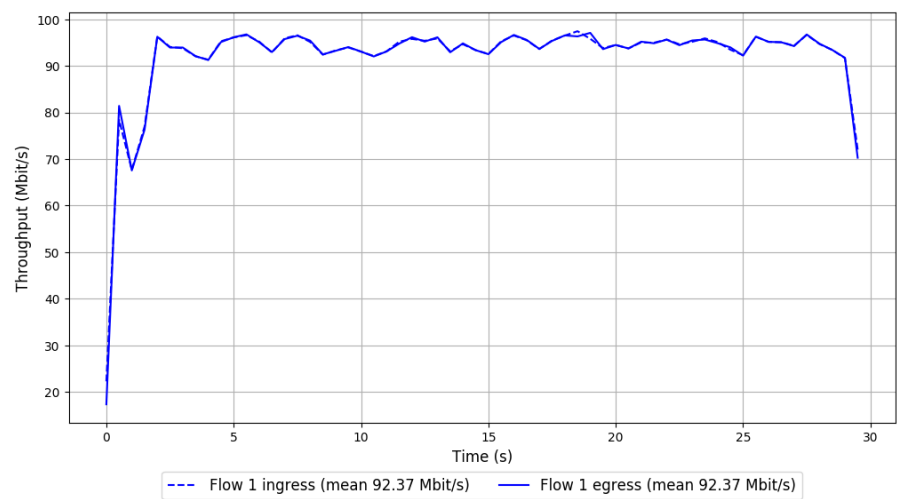


Run 1: Statistics of PCC-Allegro

Start at: 2018-04-17 01:38:55  
End at: 2018-04-17 01:39:25  
Local clock offset: -10.981 ms  
Remote clock offset: -3.995 ms

# Below is generated by plot.py at 2018-04-17 08:14:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.37 Mbit/s  
95th percentile per-packet one-way delay: 16.678 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 92.37 Mbit/s  
95th percentile per-packet one-way delay: 16.678 ms  
Loss rate: 0.08%

Run 1: Report of PCC-Allegro — Data Link

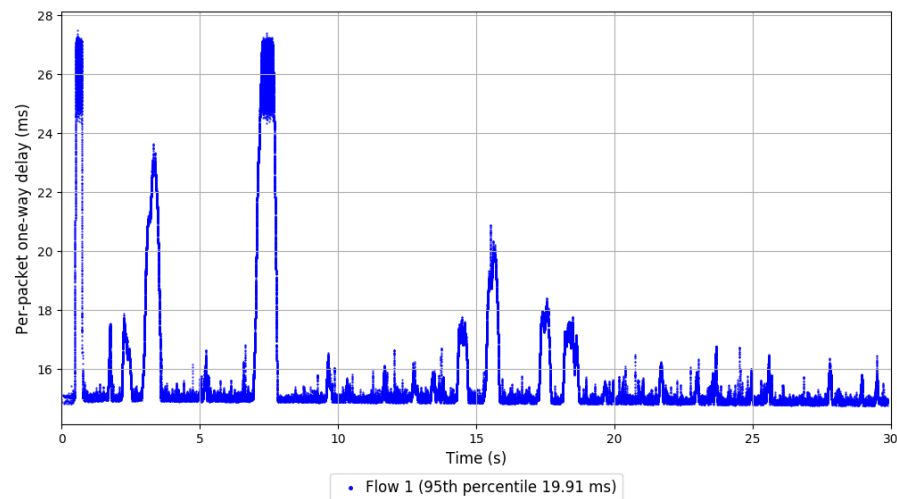
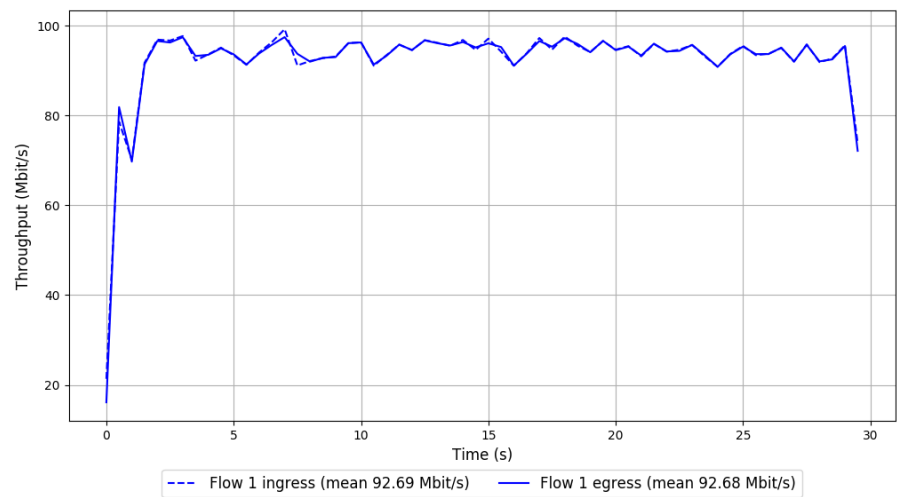


Run 2: Statistics of PCC-Allegro

Start at: 2018-04-17 01:59:01  
End at: 2018-04-17 01:59:31  
Local clock offset: -13.363 ms  
Remote clock offset: -9.505 ms

# Below is generated by plot.py at 2018-04-17 08:14:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.68 Mbit/s  
95th percentile per-packet one-way delay: 19.908 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 92.68 Mbit/s  
95th percentile per-packet one-way delay: 19.908 ms  
Loss rate: 0.08%

Run 2: Report of PCC-Allegro — Data Link



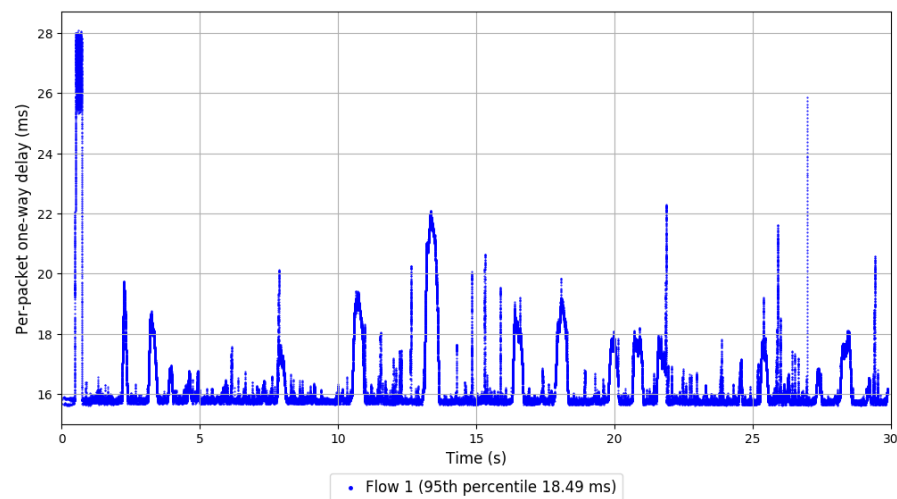
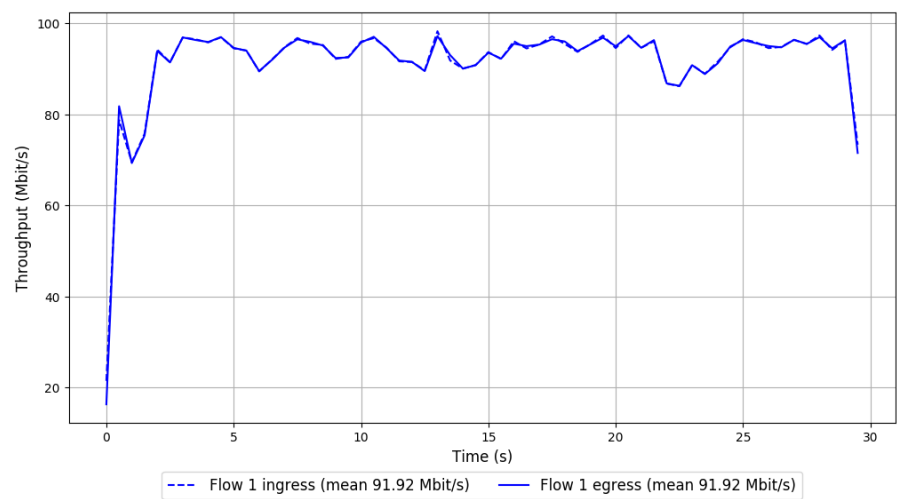
Run 3: Statistics of PCC-Allegro

Start at: 2018-04-17 02:18:58  
End at: 2018-04-17 02:19:28  
Local clock offset: -12.367 ms  
Remote clock offset: -12.568 ms

# Below is generated by plot.py at 2018-04-17 08:15:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.92 Mbit/s  
95th percentile per-packet one-way delay: 18.486 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 91.92 Mbit/s  
95th percentile per-packet one-way delay: 18.486 ms  
Loss rate: 0.09%



Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2018-04-17 02:39:05

End at: 2018-04-17 02:39:35

Local clock offset: -10.581 ms

Remote clock offset: -14.735 ms

# Below is generated by plot.py at 2018-04-17 08:15:51

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.14 Mbit/s

95th percentile per-packet one-way delay: 18.332 ms

Loss rate: 0.10%

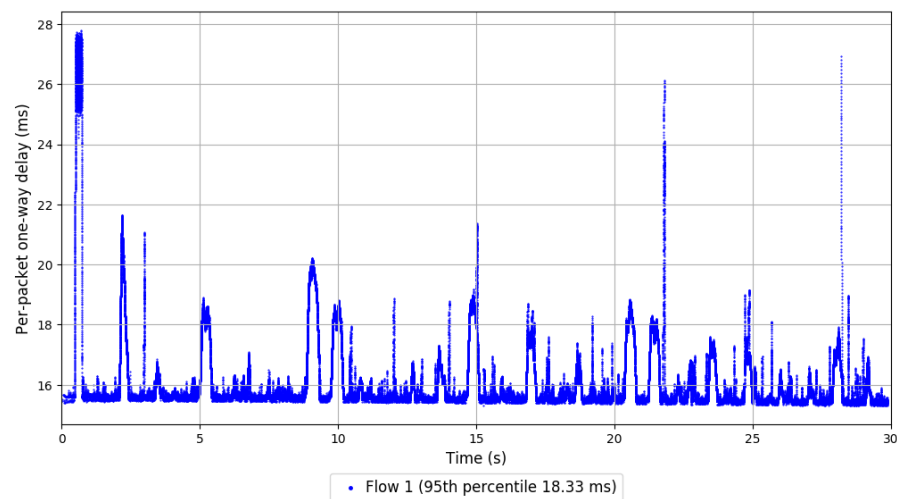
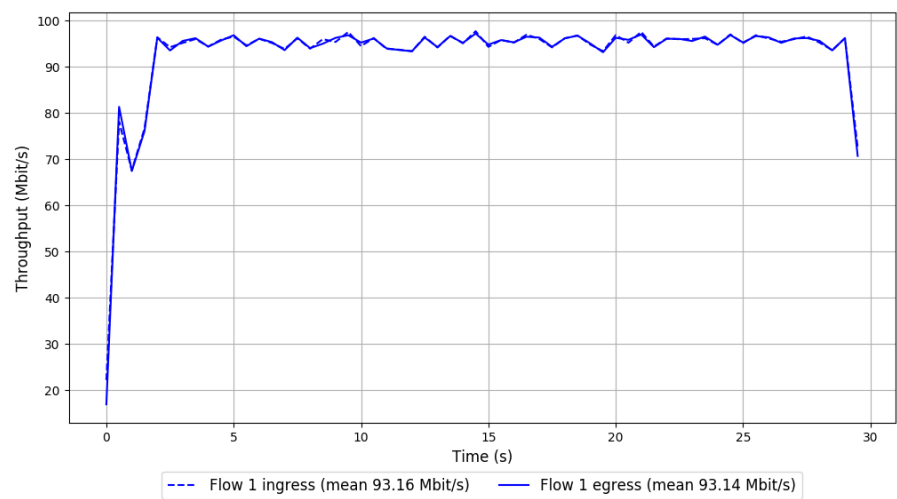
-- Flow 1:

Average throughput: 93.14 Mbit/s

95th percentile per-packet one-way delay: 18.332 ms

Loss rate: 0.10%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2018-04-17 02:59:46

End at: 2018-04-17 03:00:16

Local clock offset: -8.082 ms

Remote clock offset: -11.929 ms

# Below is generated by plot.py at 2018-04-17 08:15:51

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 19.885 ms

Loss rate: 0.09%

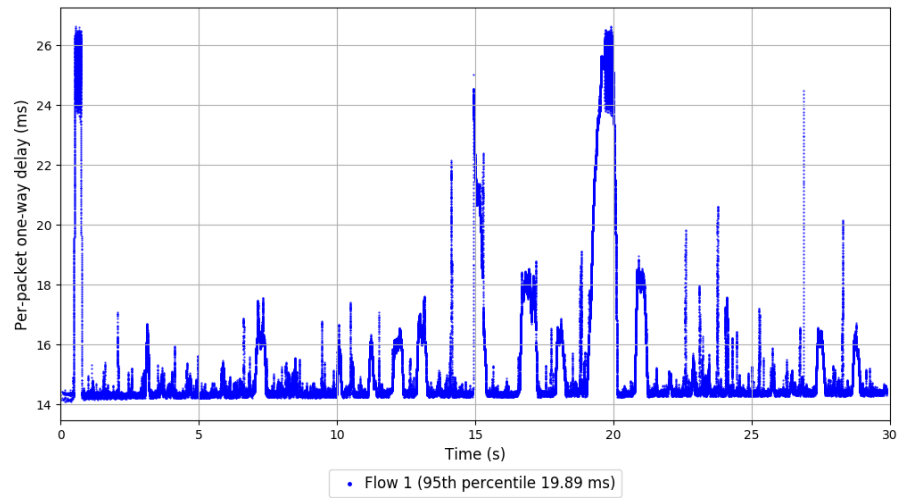
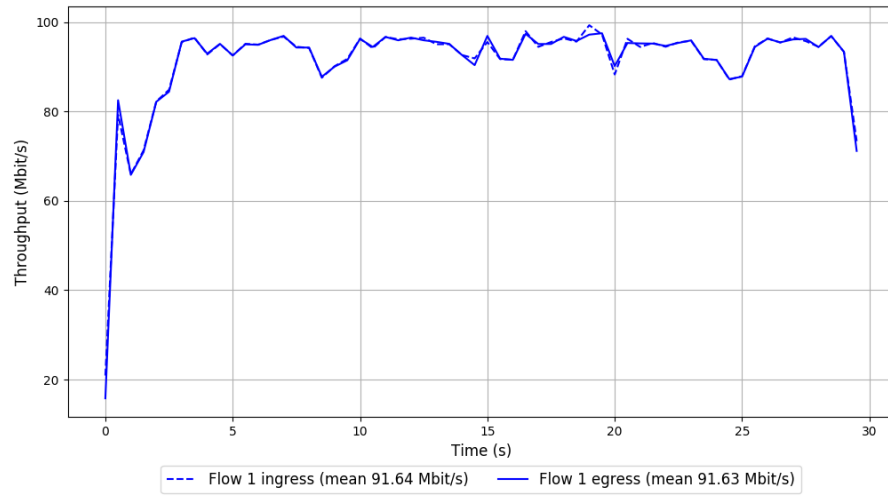
-- Flow 1:

Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 19.885 ms

Loss rate: 0.09%

### Run 5: Report of PCC-Allegro — Data Link



Run 6: Statistics of PCC-Allegro

Start at: 2018-04-17 03:20:18

End at: 2018-04-17 03:20:48

Local clock offset: -1.954 ms

Remote clock offset: -10.966 ms

# Below is generated by plot.py at 2018-04-17 08:15:51

# Datalink statistics

-- Total of 1 flow:

Average throughput: 89.13 Mbit/s

95th percentile per-packet one-way delay: 18.608 ms

Loss rate: 0.09%

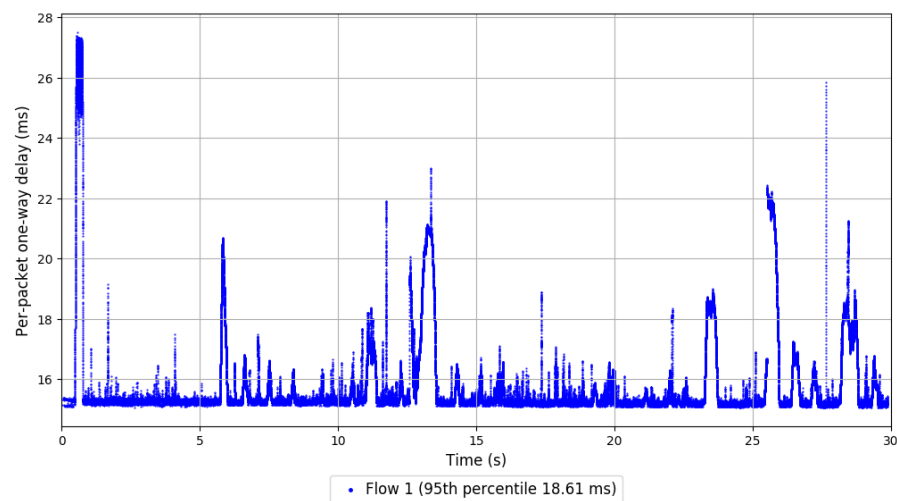
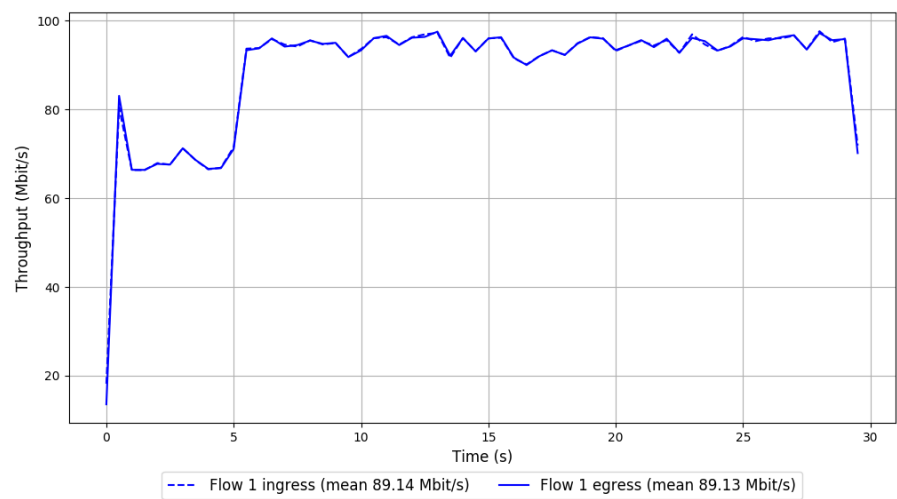
-- Flow 1:

Average throughput: 89.13 Mbit/s

95th percentile per-packet one-way delay: 18.608 ms

Loss rate: 0.09%

Run 6: Report of PCC-Allegro — Data Link



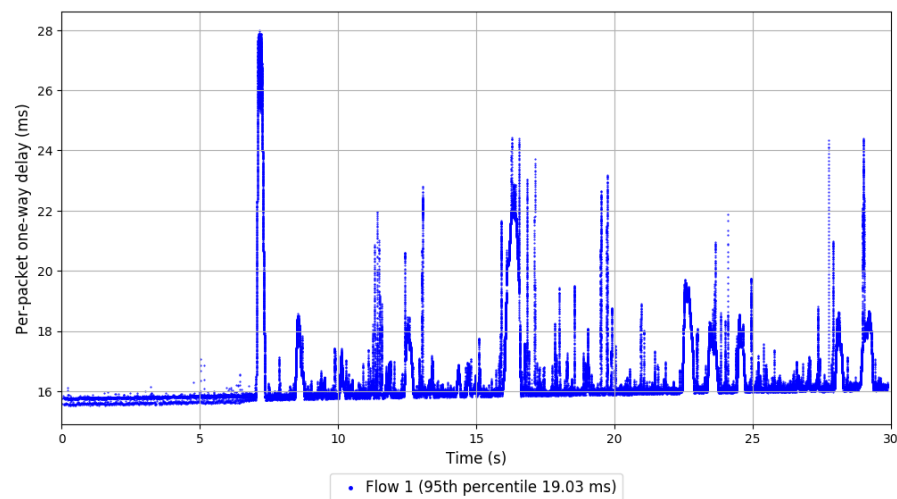
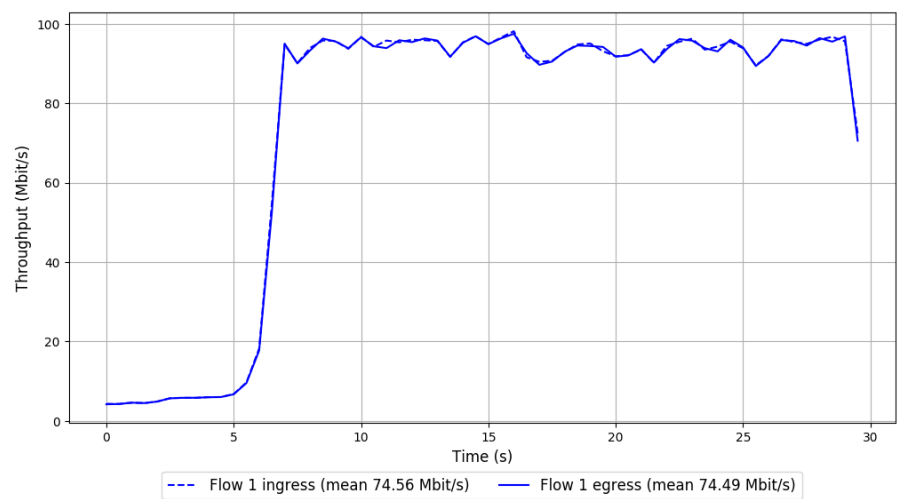
Run 7: Statistics of PCC-Allegro

Start at: 2018-04-17 03:41:18  
End at: 2018-04-17 03:41:48  
Local clock offset: 2.207 ms  
Remote clock offset: -10.323 ms

# Below is generated by plot.py at 2018-04-17 08:15:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.49 Mbit/s  
95th percentile per-packet one-way delay: 19.033 ms  
Loss rate: 0.18%  
-- Flow 1:  
Average throughput: 74.49 Mbit/s  
95th percentile per-packet one-way delay: 19.033 ms  
Loss rate: 0.18%



Run 7: Report of PCC-Allegro — Data Link



Run 8: Statistics of PCC-Allegro

Start at: 2018-04-17 04:02:00

End at: 2018-04-17 04:02:30

Local clock offset: -4.931 ms

Remote clock offset: -10.714 ms

# Below is generated by plot.py at 2018-04-17 08:15:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 18.857 ms

Loss rate: 0.09%

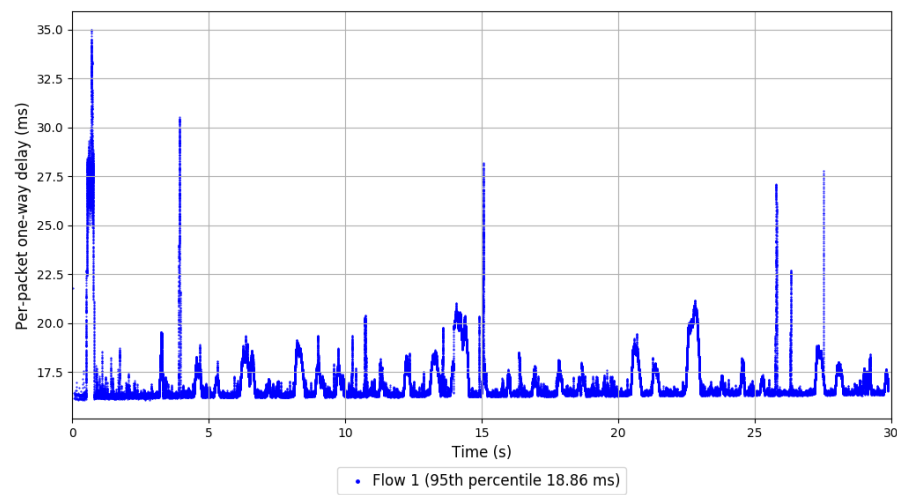
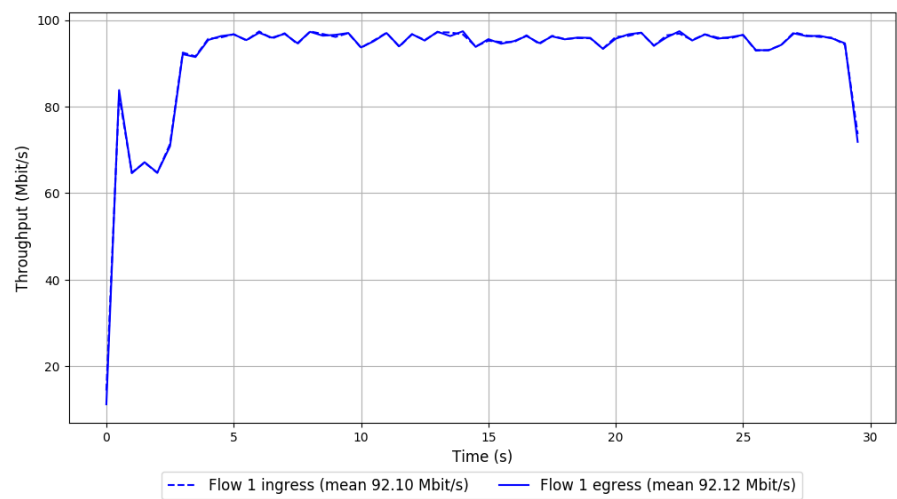
-- Flow 1:

Average throughput: 92.12 Mbit/s

95th percentile per-packet one-way delay: 18.857 ms

Loss rate: 0.09%

Run 8: Report of PCC-Allegro — Data Link



Run 9: Statistics of PCC-Allegro

Start at: 2018-04-17 04:22:49

End at: 2018-04-17 04:23:19

Local clock offset: -4.211 ms

Remote clock offset: -7.794 ms

# Below is generated by plot.py at 2018-04-17 08:15:56

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.81 Mbit/s

95th percentile per-packet one-way delay: 18.284 ms

Loss rate: 0.11%

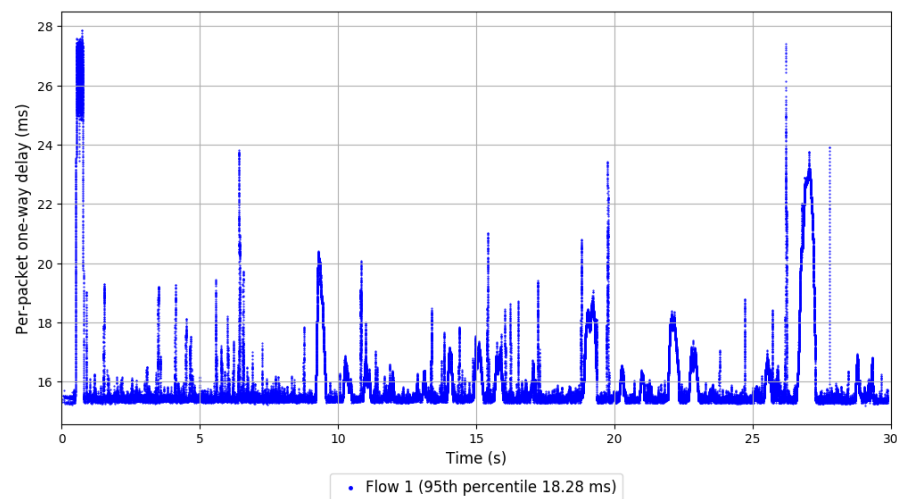
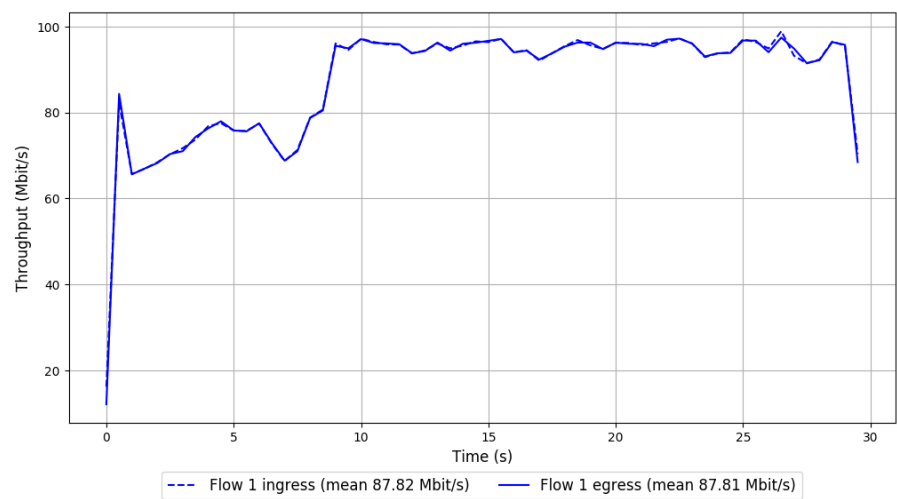
-- Flow 1:

Average throughput: 87.81 Mbit/s

95th percentile per-packet one-way delay: 18.284 ms

Loss rate: 0.11%

Run 9: Report of PCC-Allegro — Data Link

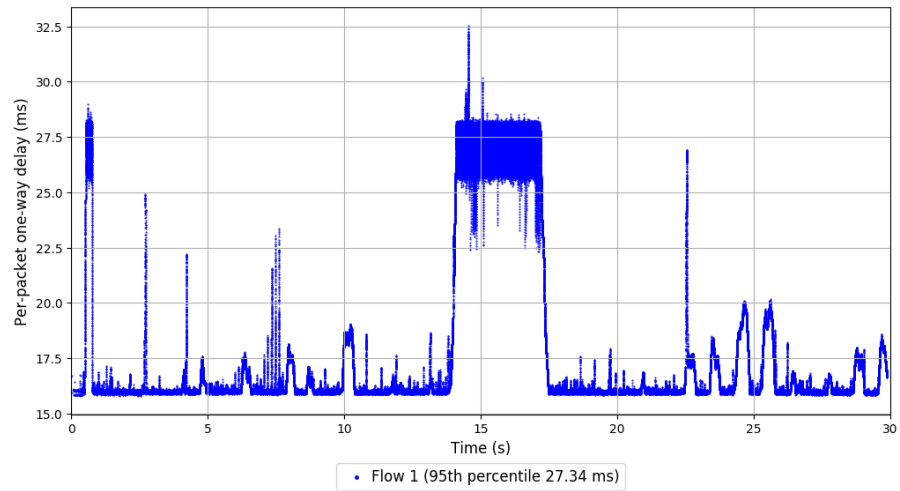
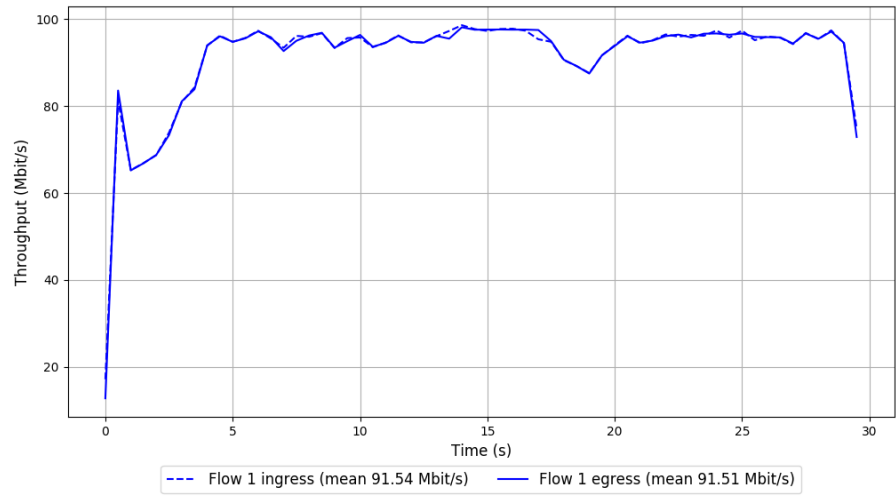


Run 10: Statistics of PCC-Allegro

Start at: 2018-04-17 04:43:21  
End at: 2018-04-17 04:43:51  
Local clock offset: -2.405 ms  
Remote clock offset: -8.456 ms

# Below is generated by plot.py at 2018-04-17 08:16:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.51 Mbit/s  
95th percentile per-packet one-way delay: 27.345 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 91.51 Mbit/s  
95th percentile per-packet one-way delay: 27.345 ms  
Loss rate: 0.12%

### Run 10: Report of PCC-Allegro — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2018-04-17 01:34:16

End at: 2018-04-17 01:34:46

Local clock offset: -8.904 ms

Remote clock offset: -4.313 ms

# Below is generated by plot.py at 2018-04-17 08:17:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.56 Mbit/s

95th percentile per-packet one-way delay: 30.557 ms

Loss rate: 0.14%

-- Flow 1:

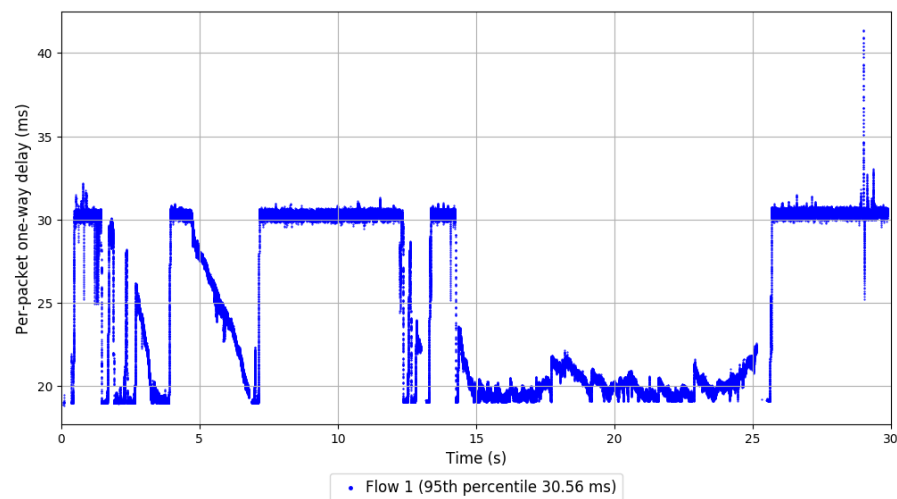
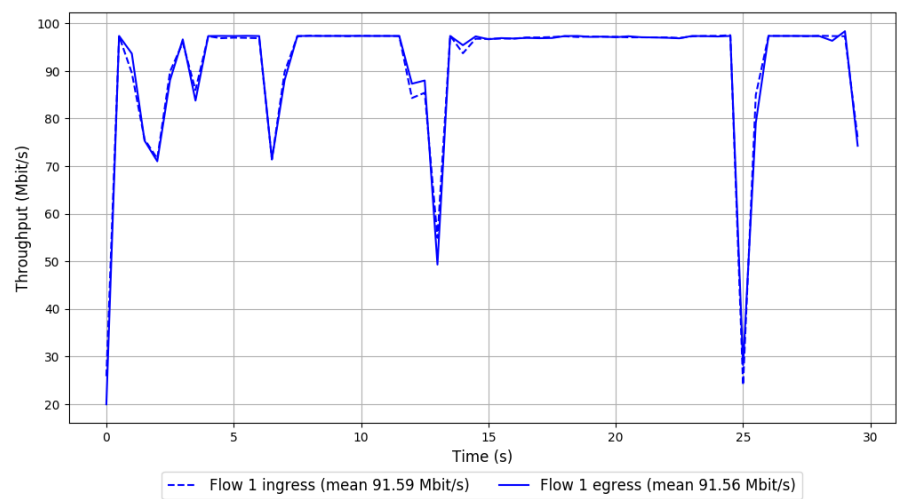
Average throughput: 91.56 Mbit/s

95th percentile per-packet one-way delay: 30.557 ms

Loss rate: 0.14%



Run 1: Report of QUIC Cubic — Data Link

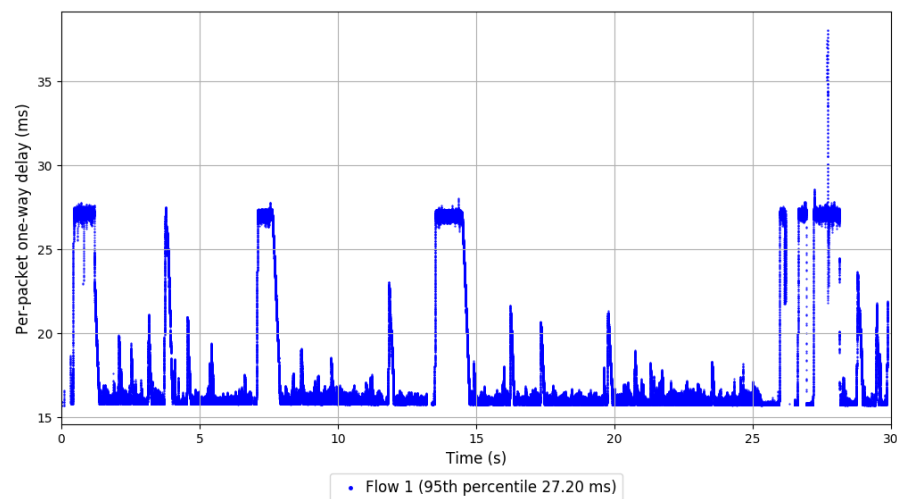
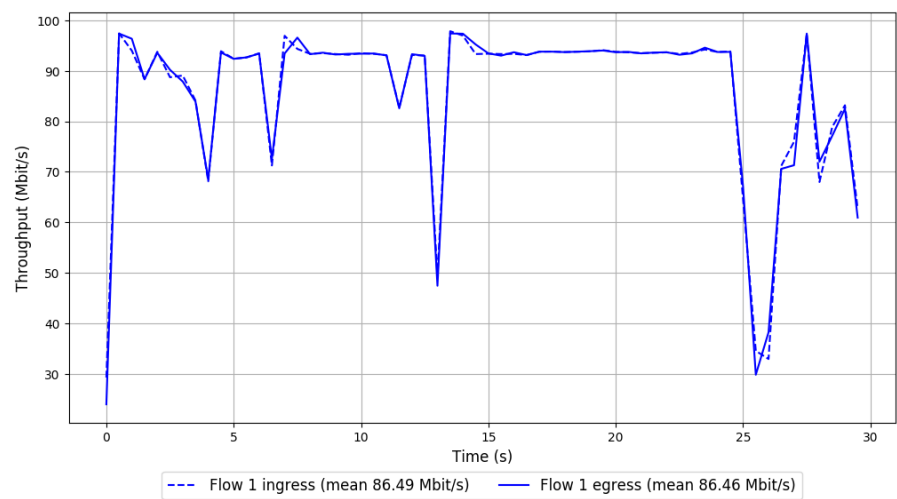


Run 2: Statistics of QUIC Cubic

Start at: 2018-04-17 01:54:12  
End at: 2018-04-17 01:54:42  
Local clock offset: -12.636 ms  
Remote clock offset: -8.785 ms

# Below is generated by plot.py at 2018-04-17 08:17:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.46 Mbit/s  
95th percentile per-packet one-way delay: 27.199 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 86.46 Mbit/s  
95th percentile per-packet one-way delay: 27.199 ms  
Loss rate: 0.11%

Run 2: Report of QUIC Cubic — Data Link

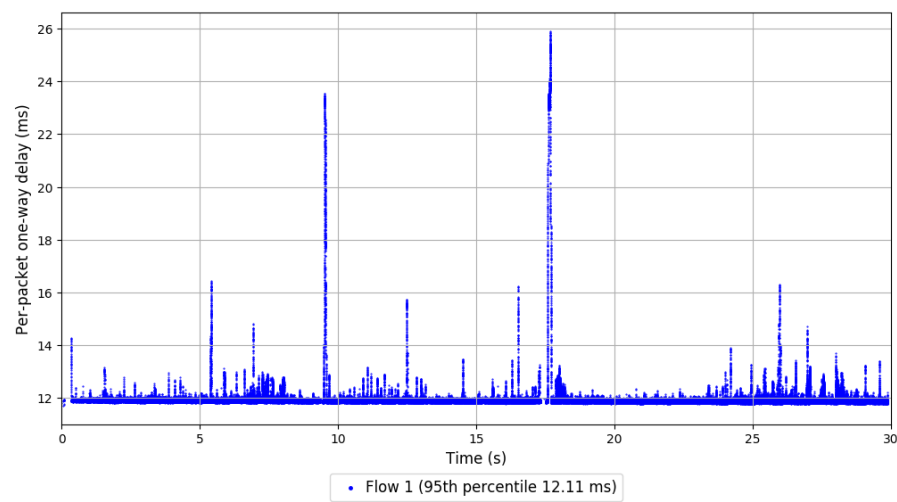
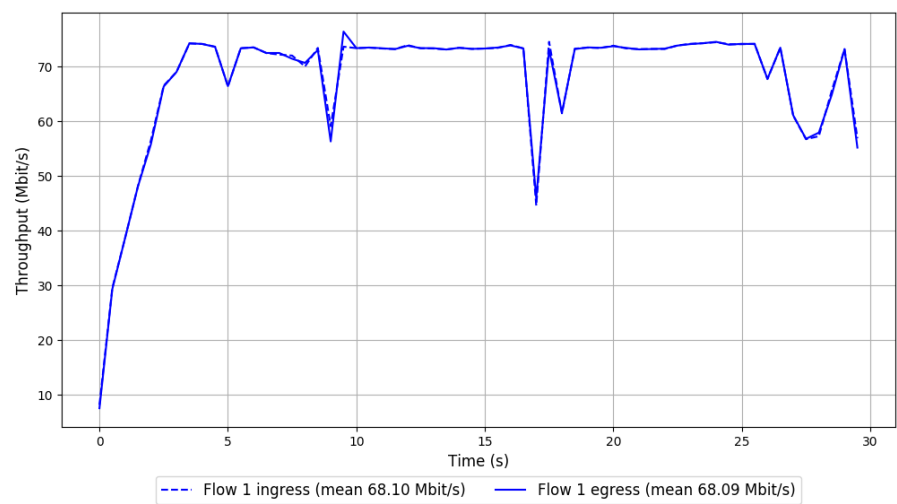


Run 3: Statistics of QUIC Cubic

Start at: 2018-04-17 02:14:22  
End at: 2018-04-17 02:14:52  
Local clock offset: -14.888 ms  
Remote clock offset: -10.691 ms

# Below is generated by plot.py at 2018-04-17 08:17:14  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 68.09 Mbit/s  
95th percentile per-packet one-way delay: 12.114 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 68.09 Mbit/s  
95th percentile per-packet one-way delay: 12.114 ms  
Loss rate: 0.09%

Run 3: Report of QUIC Cubic — Data Link

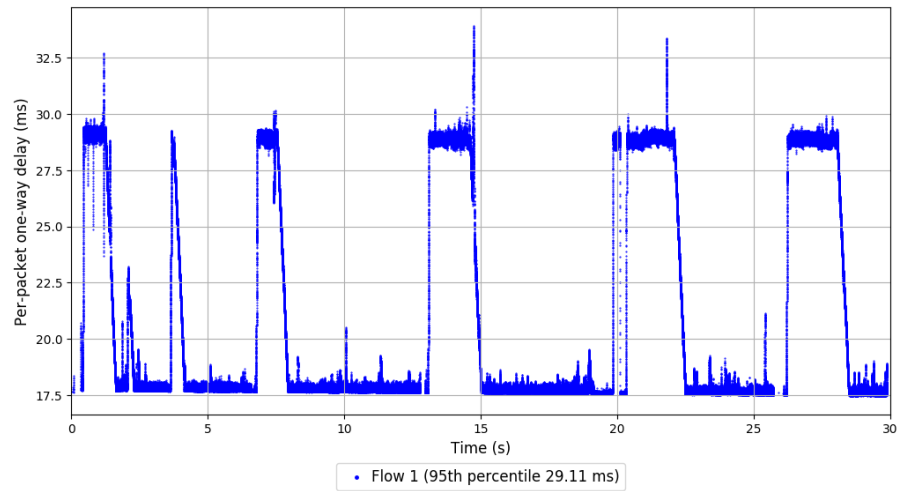
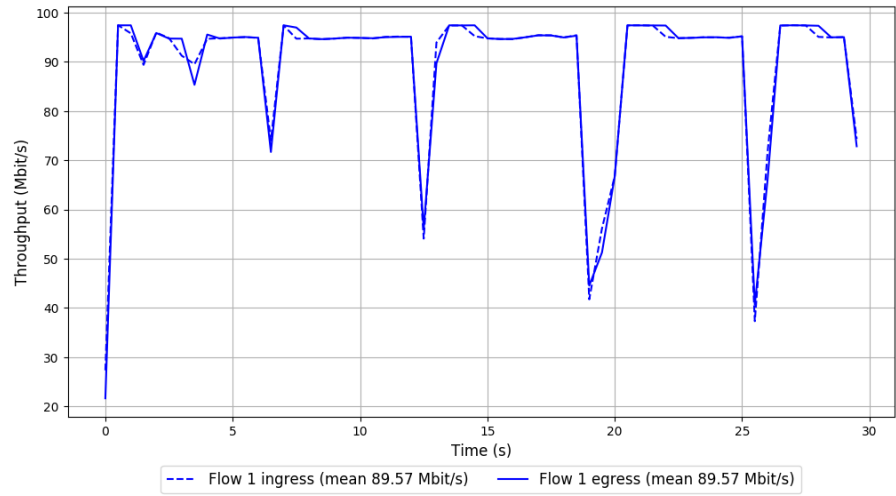


Run 4: Statistics of QUIC Cubic

Start at: 2018-04-17 02:34:21  
End at: 2018-04-17 02:34:51  
Local clock offset: -11.768 ms  
Remote clock offset: -16.045 ms

# Below is generated by plot.py at 2018-04-17 08:17:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.57 Mbit/s  
95th percentile per-packet one-way delay: 29.113 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 89.57 Mbit/s  
95th percentile per-packet one-way delay: 29.113 ms  
Loss rate: 0.09%

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



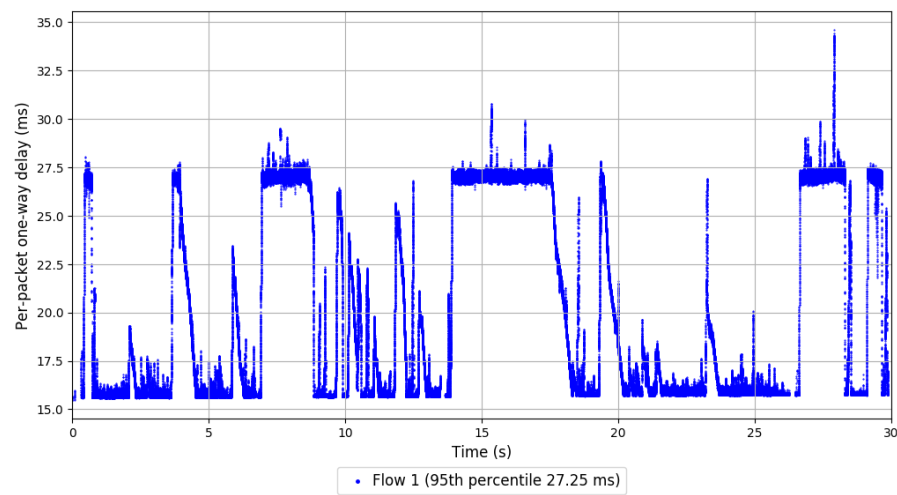
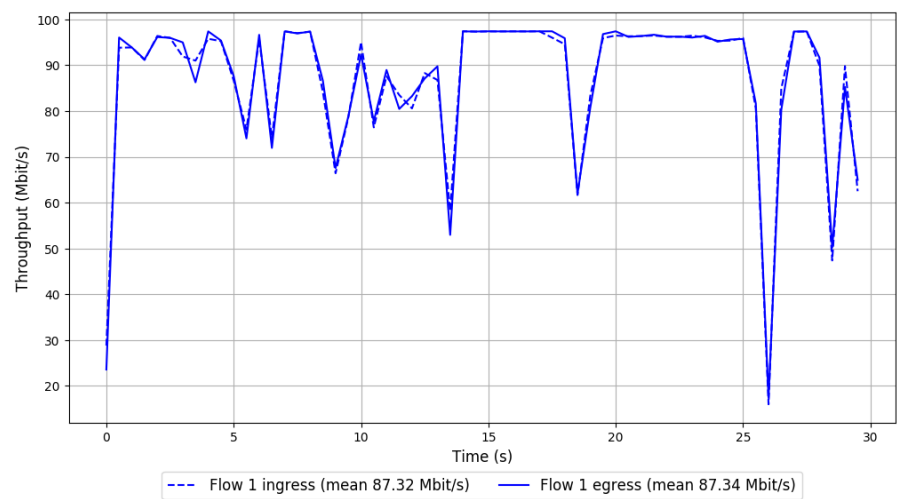
Run 5: Statistics of QUIC Cubic

Start at: 2018-04-17 02:55:05  
End at: 2018-04-17 02:55:35  
Local clock offset: -8.187 ms  
Remote clock offset: -14.532 ms

# Below is generated by plot.py at 2018-04-17 08:17:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.34 Mbit/s  
95th percentile per-packet one-way delay: 27.246 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 87.34 Mbit/s  
95th percentile per-packet one-way delay: 27.246 ms  
Loss rate: 0.05%



Run 5: Report of QUIC Cubic — Data Link

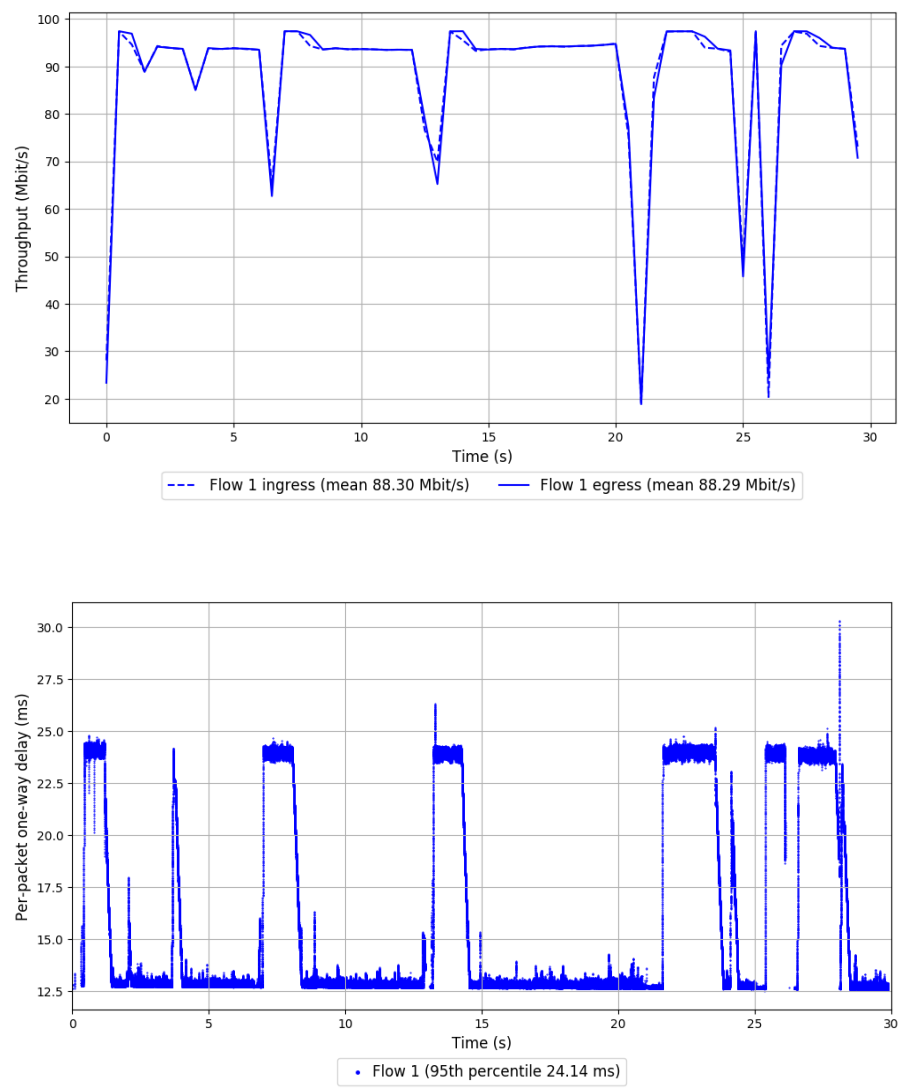


Run 6: Statistics of QUIC Cubic

Start at: 2018-04-17 03:15:35  
End at: 2018-04-17 03:16:05  
Local clock offset: -5.639 ms  
Remote clock offset: -10.898 ms

# Below is generated by plot.py at 2018-04-17 08:17:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.29 Mbit/s  
95th percentile per-packet one-way delay: 24.141 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 88.29 Mbit/s  
95th percentile per-packet one-way delay: 24.141 ms  
Loss rate: 0.09%

Run 6: Report of QUIC Cubic — Data Link



Run 7: Statistics of QUIC Cubic

Start at: 2018-04-17 03:36:25

End at: 2018-04-17 03:36:55

Local clock offset: 0.989 ms

Remote clock offset: -10.89 ms

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

# Datalink statistics

-- Total of 1 flow:

Average throughput: 71.58 Mbit/s

95th percentile per-packet one-way delay: 16.692 ms

Loss rate: 0.11%

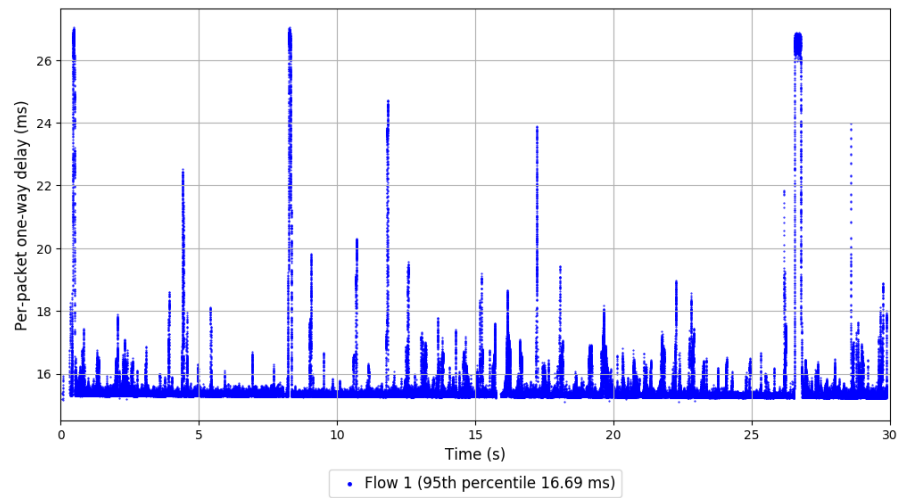
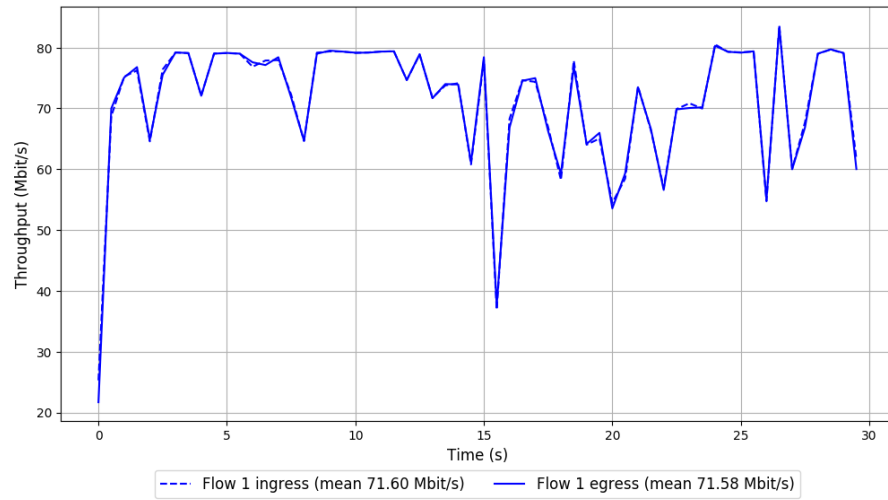
-- Flow 1:

Average throughput: 71.58 Mbit/s

95th percentile per-packet one-way delay: 16.692 ms

Loss rate: 0.11%

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



Run 8: Statistics of QUIC Cubic

Start at: 2018-04-17 03:57:03

End at: 2018-04-17 03:57:33

Local clock offset: -7.316 ms

Remote clock offset: -10.76 ms

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

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.84 Mbit/s

95th percentile per-packet one-way delay: 24.227 ms

Loss rate: 0.13%

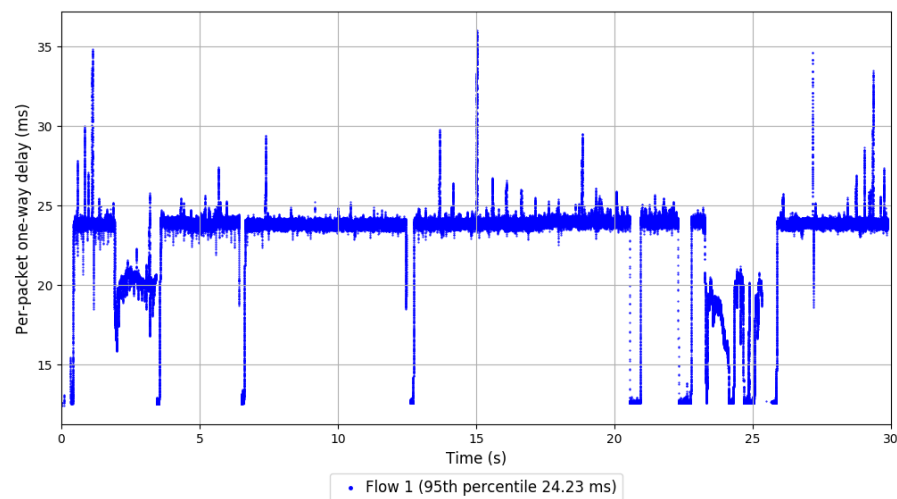
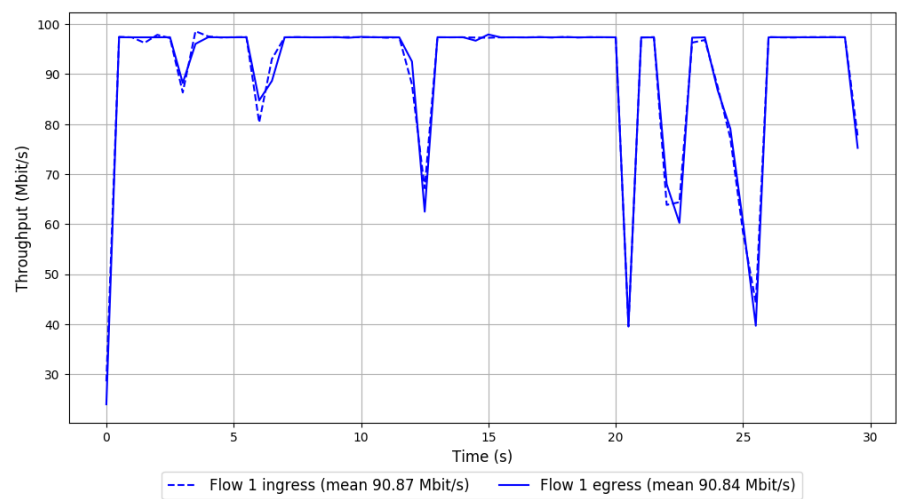
-- Flow 1:

Average throughput: 90.84 Mbit/s

95th percentile per-packet one-way delay: 24.227 ms

Loss rate: 0.13%

Run 8: Report of QUIC Cubic — Data Link



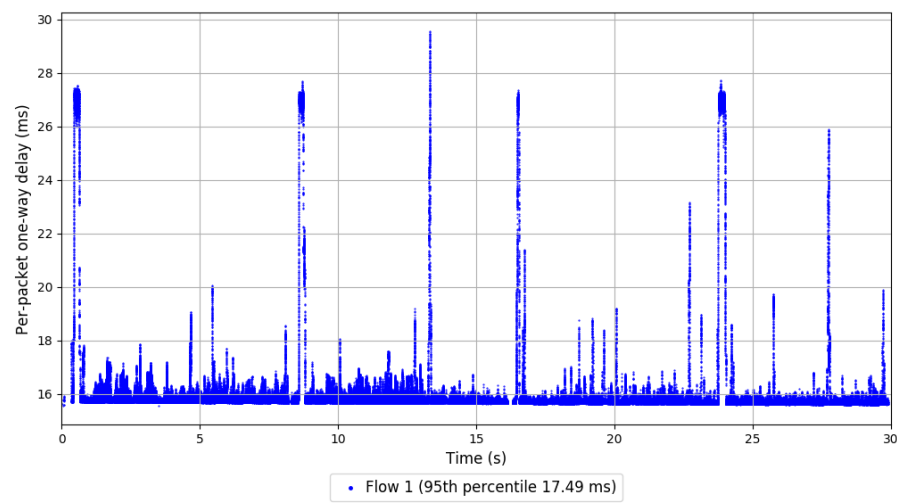
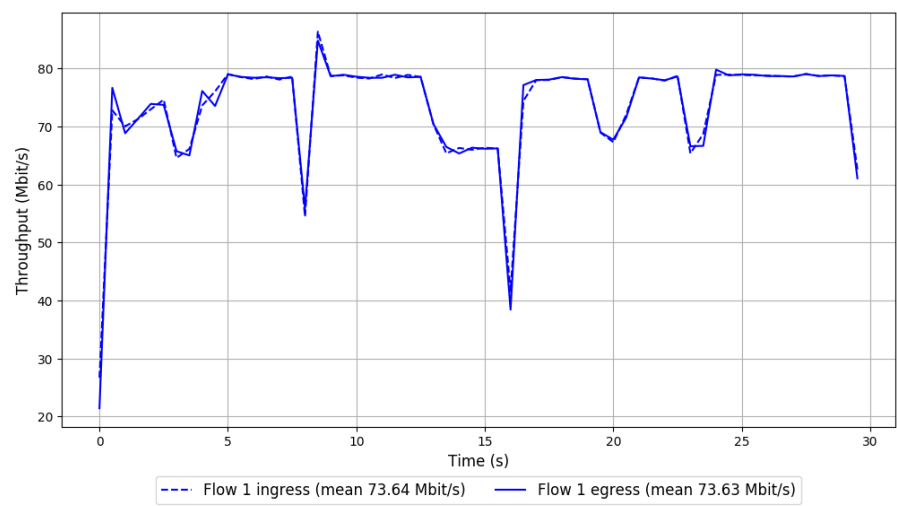
Run 9: Statistics of QUIC Cubic

Start at: 2018-04-17 04:17:47  
End at: 2018-04-17 04:18:17  
Local clock offset: -5.696 ms  
Remote clock offset: -8.838 ms

# Below is generated by plot.py at 2018-04-17 08:18:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 73.63 Mbit/s  
95th percentile per-packet one-way delay: 17.491 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 73.63 Mbit/s  
95th percentile per-packet one-way delay: 17.491 ms  
Loss rate: 0.09%



Run 9: Report of QUIC Cubic — Data Link



Run 10: Statistics of QUIC Cubic

Start at: 2018-04-17 04:38:28

End at: 2018-04-17 04:38:58

Local clock offset: -5.654 ms

Remote clock offset: -7.966 ms

# Below is generated by plot.py at 2018-04-17 08:18:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 88.51 Mbit/s

95th percentile per-packet one-way delay: 24.496 ms

Loss rate: 0.13%

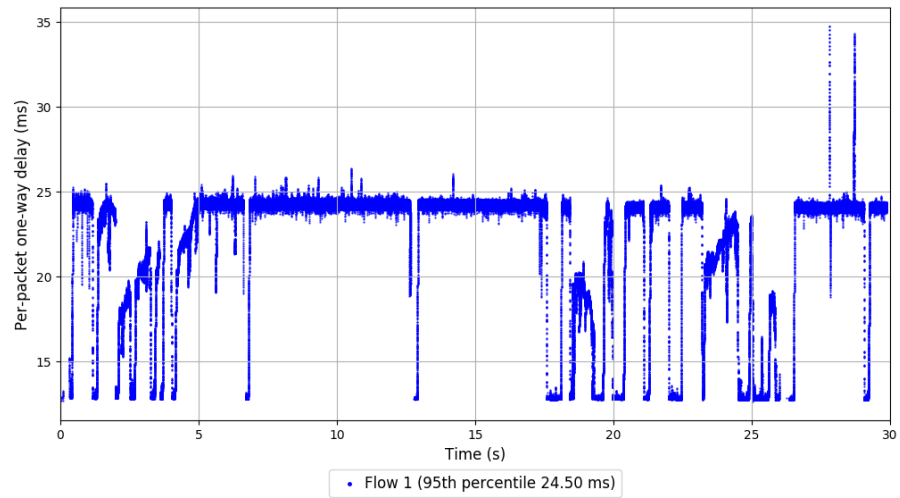
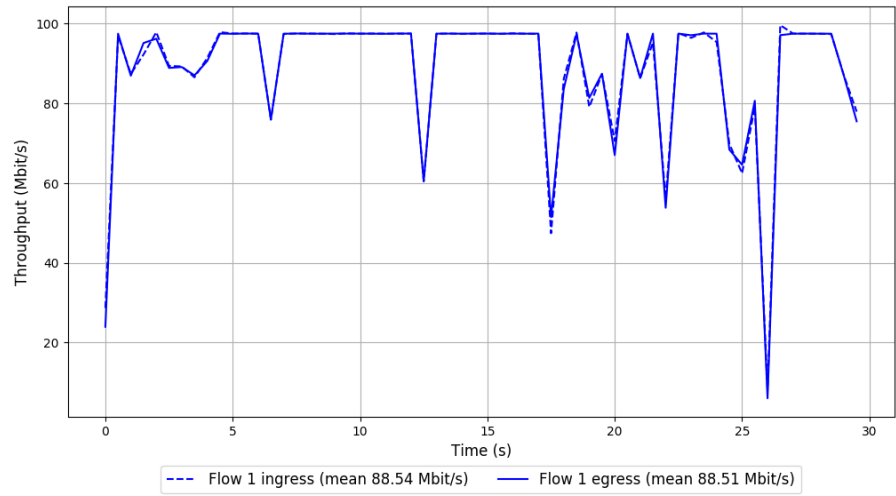
-- Flow 1:

Average throughput: 88.51 Mbit/s

95th percentile per-packet one-way delay: 24.496 ms

Loss rate: 0.13%

# Run 10: Report of QUIC Cubic — Data Link

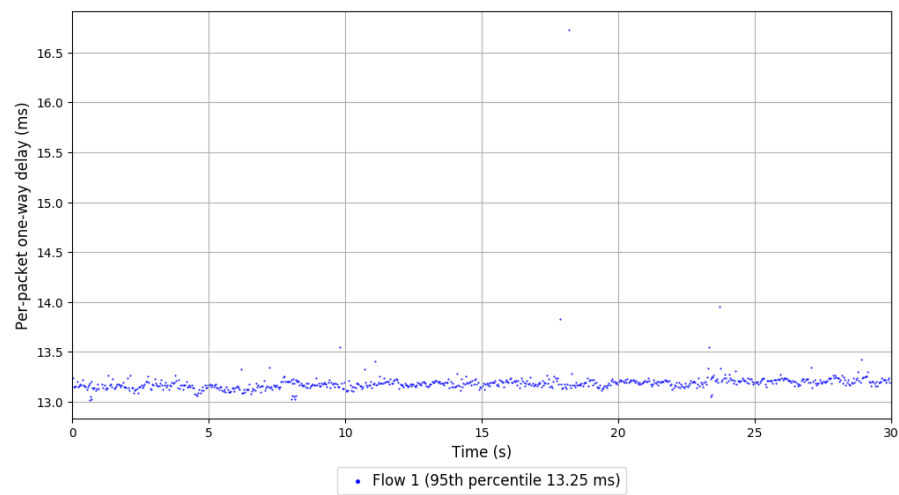
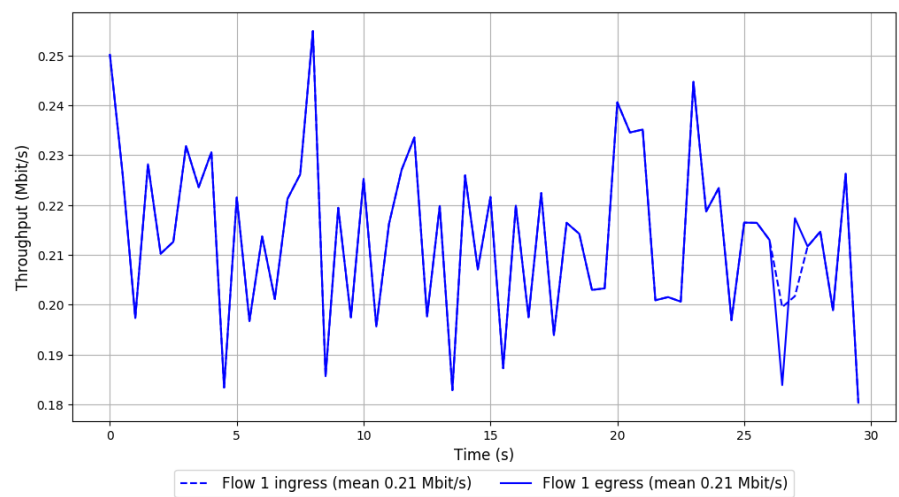


Run 1: Statistics of SCReAM

Start at: 2018-04-17 01:41:15  
End at: 2018-04-17 01:41:45  
Local clock offset: -13.665 ms  
Remote clock offset: -4.388 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 13.248 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 13.248 ms  
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

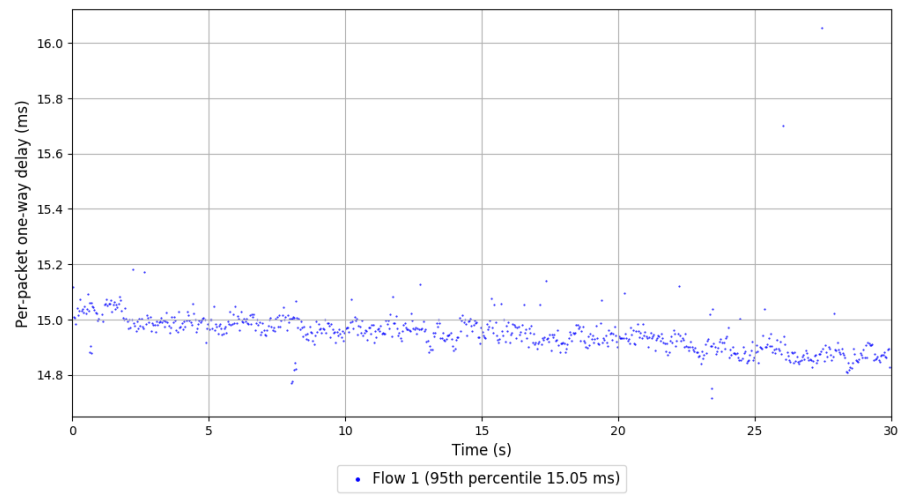
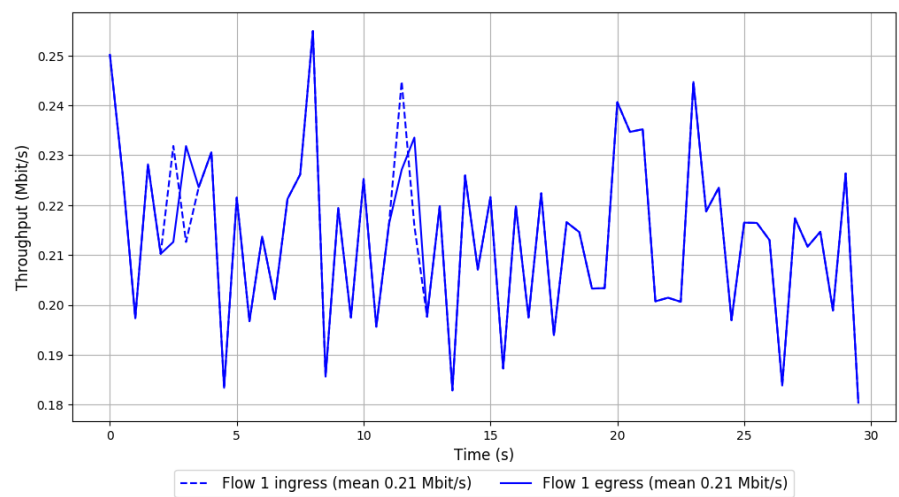


Run 2: Statistics of SCReAM

Start at: 2018-04-17 02:01:29  
End at: 2018-04-17 02:01:59  
Local clock offset: -12.962 ms  
Remote clock offset: -9.769 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 15.046 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 15.046 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



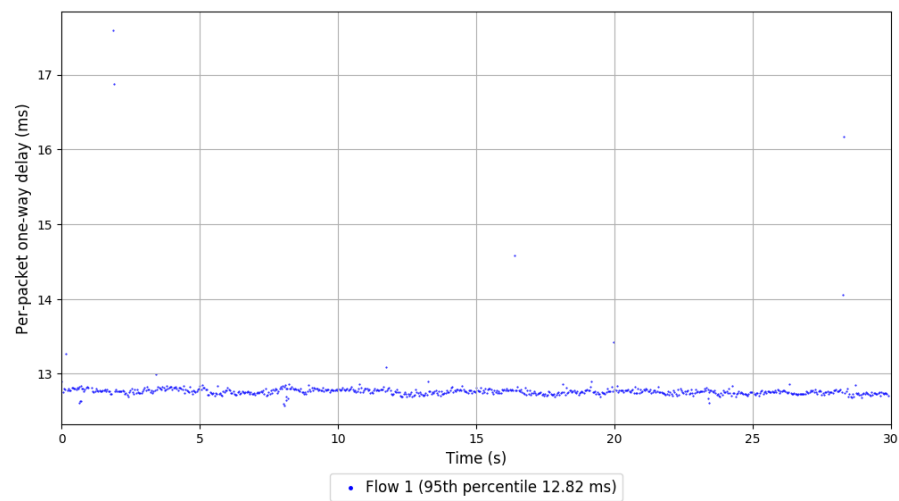
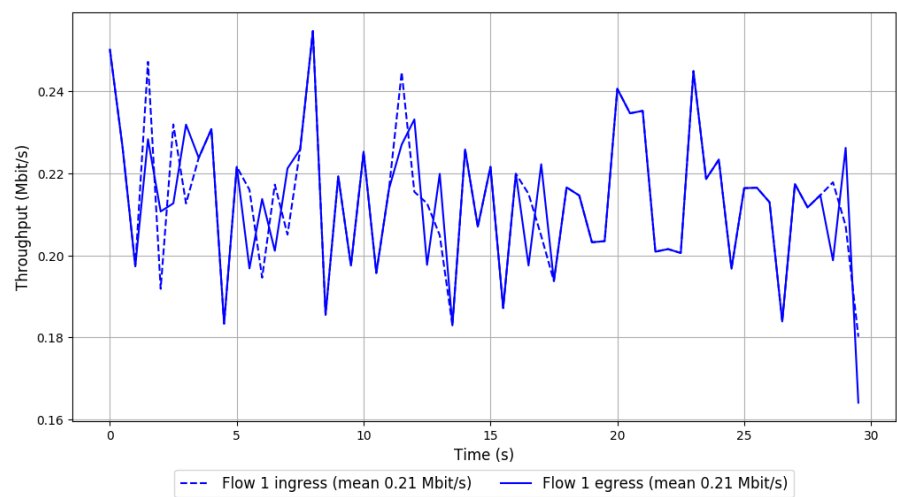
Run 3: Statistics of SCReAM

Start at: 2018-04-17 02:21:23  
End at: 2018-04-17 02:21:53  
Local clock offset: -14.371 ms  
Remote clock offset: -11.747 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 12.824 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 12.824 ms  
Loss rate: 0.13%



Run 3: Report of SReAM — Data Link

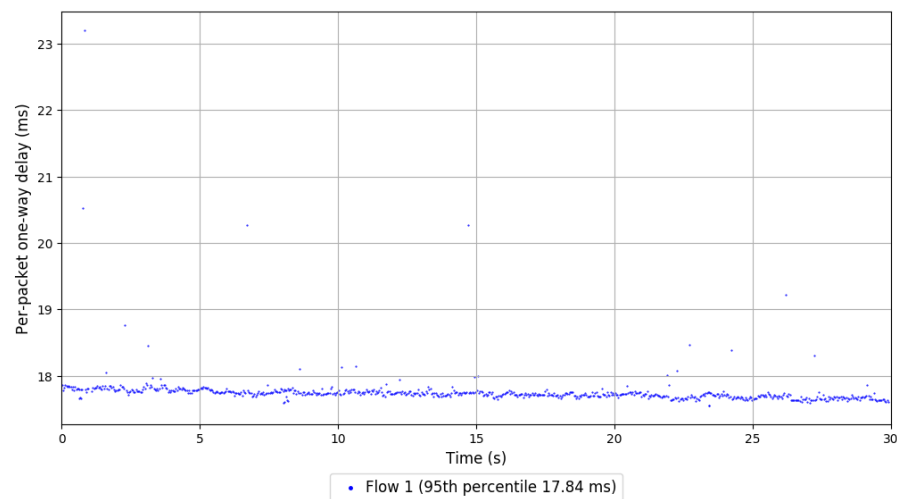
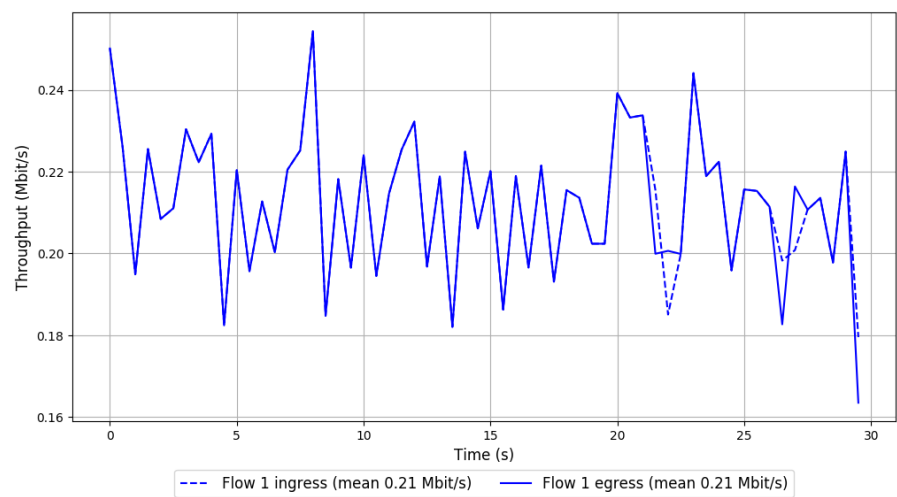


Run 4: Statistics of SCReAM

Start at: 2018-04-17 02:41:31  
End at: 2018-04-17 02:42:01  
Local clock offset: -9.746 ms  
Remote clock offset: -16.874 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 17.845 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 17.845 ms  
Loss rate: 0.13%

Run 4: Report of SReAM — Data Link

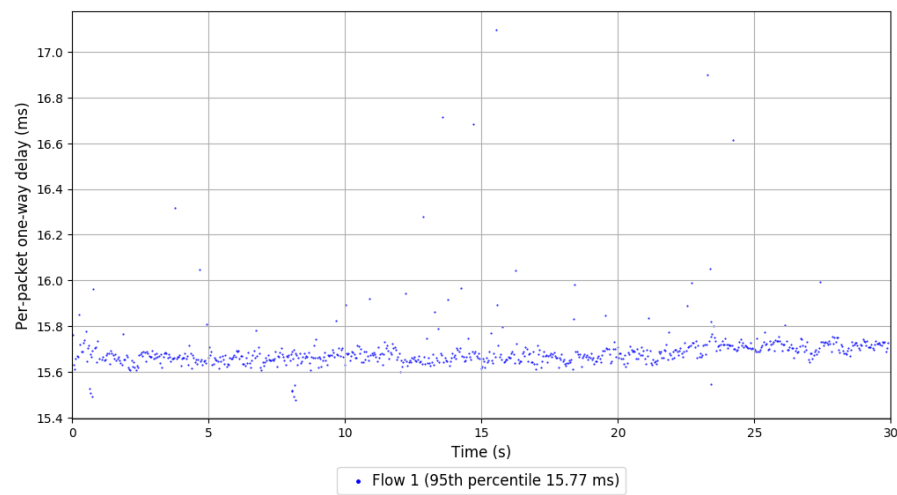
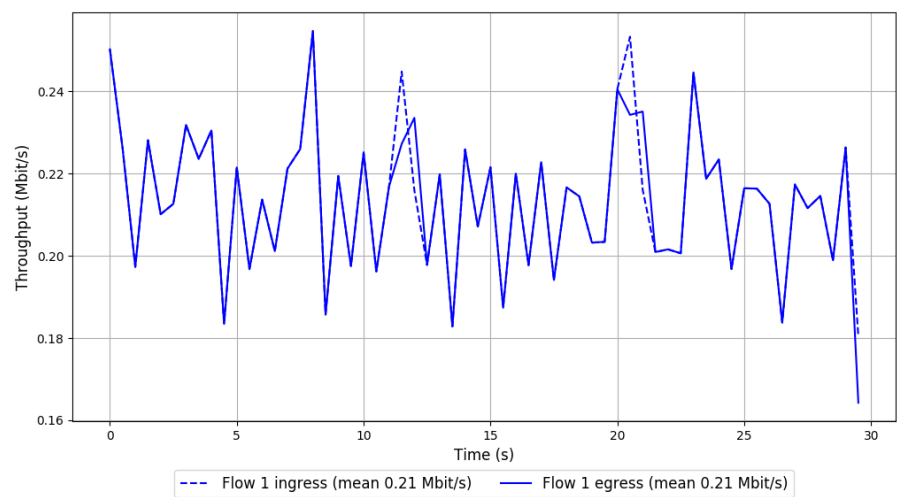


Run 5: Statistics of SCReAM

Start at: 2018-04-17 03:02:13  
End at: 2018-04-17 03:02:43  
Local clock offset: -7.964 ms  
Remote clock offset: -12.726 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 15.767 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 15.767 ms  
Loss rate: 0.13%

Run 5: Report of SReAM — Data Link

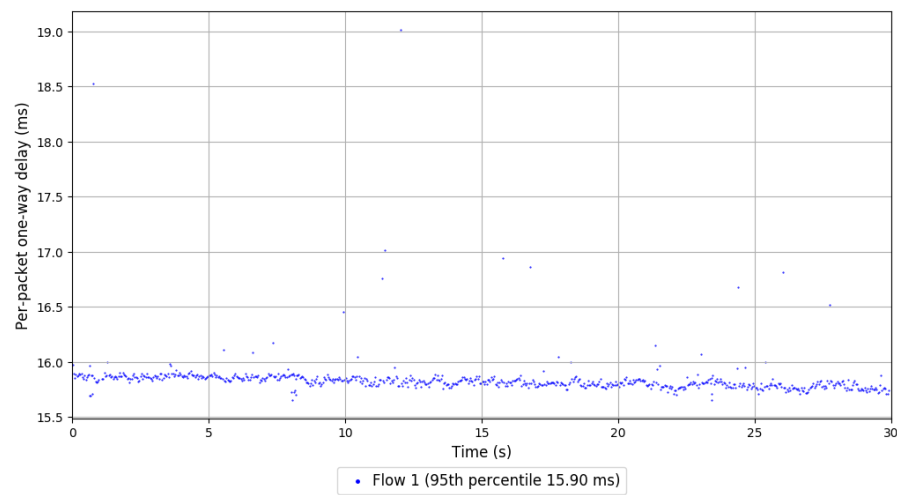
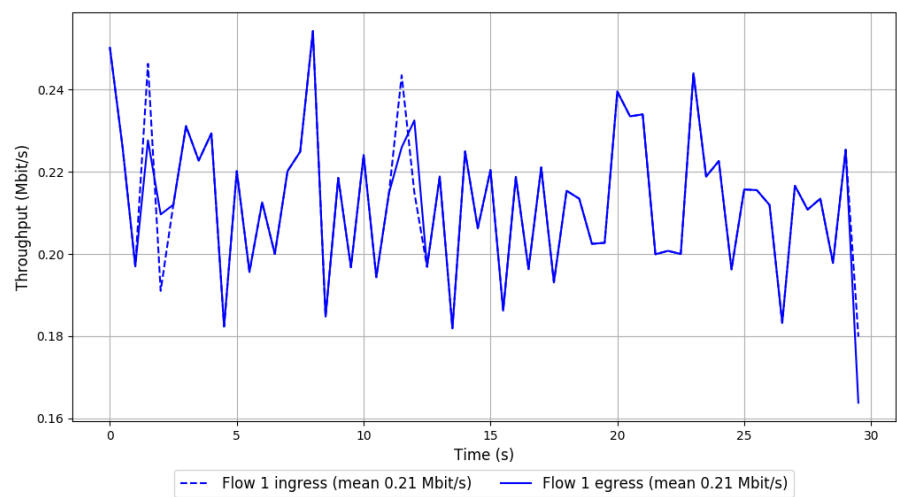


Run 6: Statistics of SCReAM

Start at: 2018-04-17 03:22:48  
End at: 2018-04-17 03:23:18  
Local clock offset: -0.607 ms  
Remote clock offset: -10.701 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 15.899 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 15.899 ms  
Loss rate: 0.13%

Run 6: Report of SReAM — Data Link



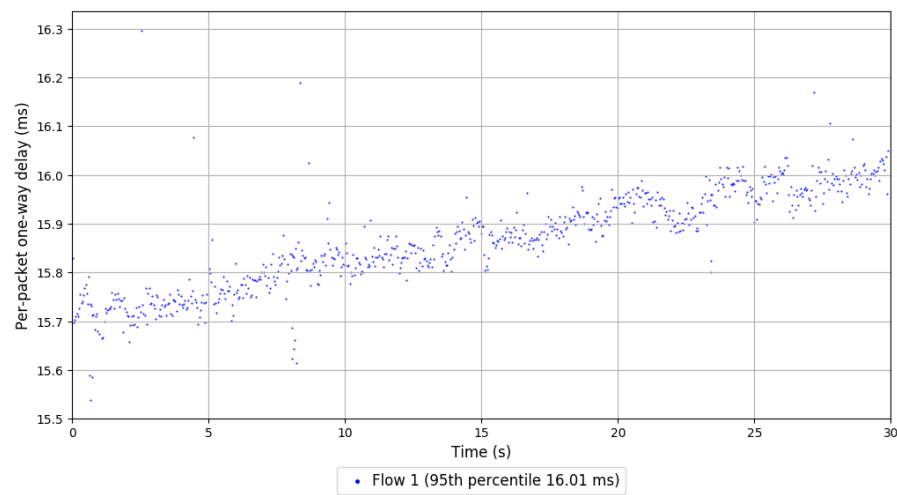
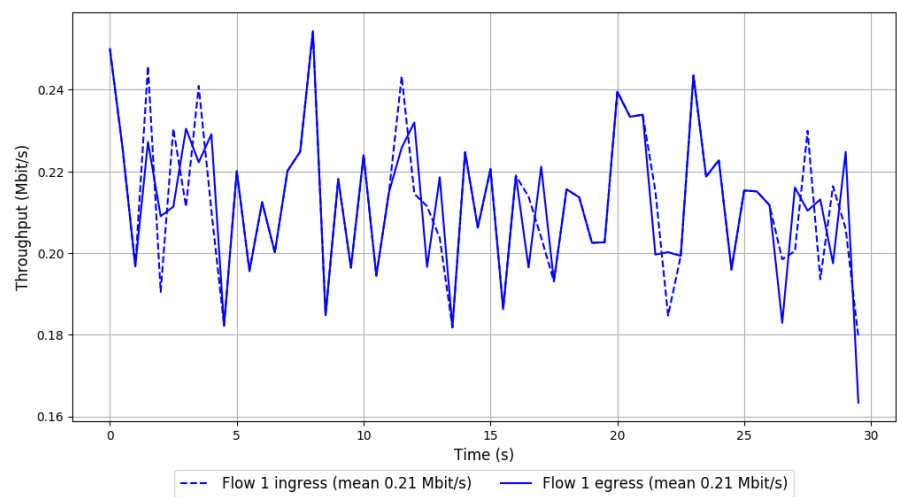
Run 7: Statistics of SCReAM

Start at: 2018-04-17 03:43:43  
End at: 2018-04-17 03:44:13  
Local clock offset: -0.462 ms  
Remote clock offset: -11.113 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 16.008 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 16.008 ms  
Loss rate: 0.13%



Run 7: Report of SReAM — Data Link

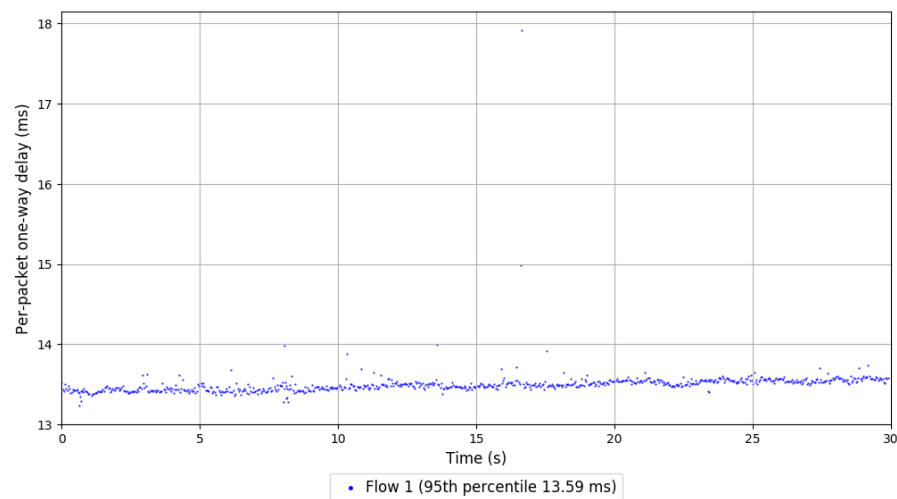
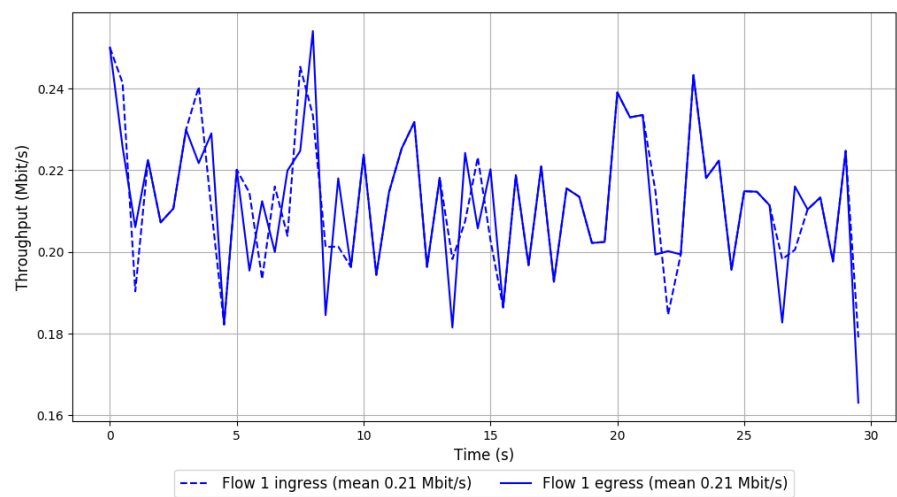


Run 8: Statistics of SCReAM

Start at: 2018-04-17 04:04:27  
End at: 2018-04-17 04:04:57  
Local clock offset: -8.264 ms  
Remote clock offset: -10.381 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 13.586 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 13.586 ms  
Loss rate: 0.13%

Run 8: Report of SReAM — Data Link

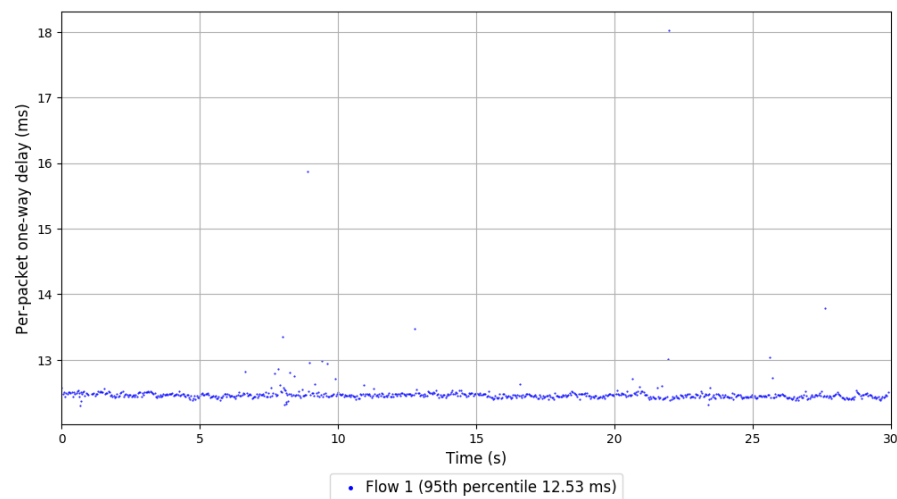
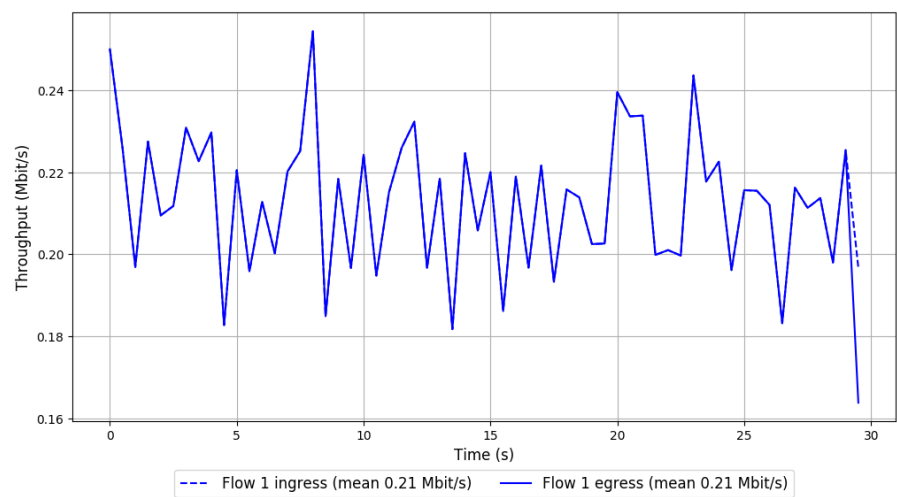


Run 9: Statistics of SCReAM

Start at: 2018-04-17 04:25:14  
End at: 2018-04-17 04:25:44  
Local clock offset: -6.971 ms  
Remote clock offset: -7.778 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 12.532 ms  
Loss rate: 0.26%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 12.532 ms  
Loss rate: 0.26%

Run 9: Report of SReAM — Data Link

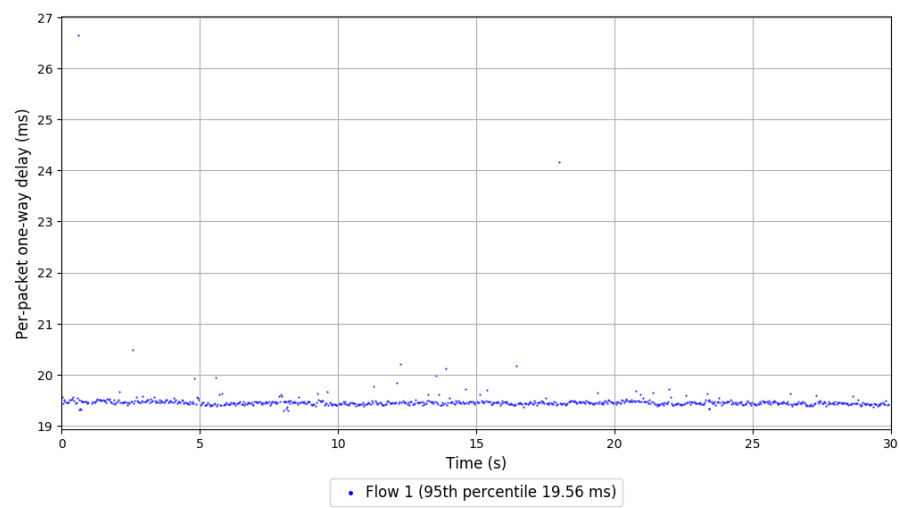
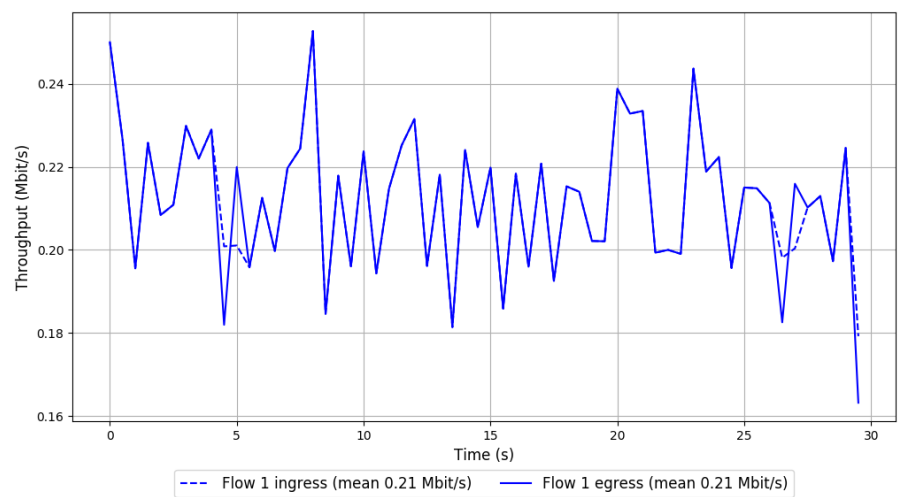


Run 10: Statistics of SReAM

Start at: 2018-04-17 04:45:48  
End at: 2018-04-17 04:46:18  
Local clock offset: -3.524 ms  
Remote clock offset: -13.193 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 19.556 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 19.556 ms  
Loss rate: 0.13%

Run 10: Report of SReAM — Data Link



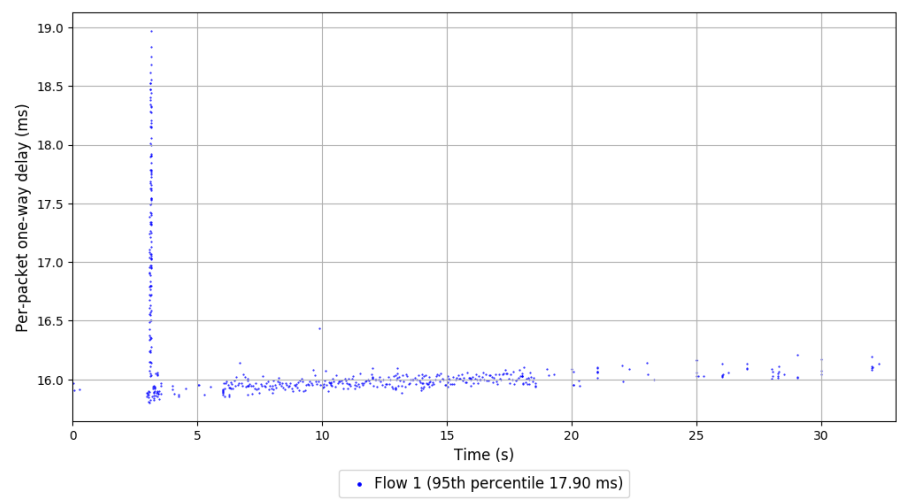
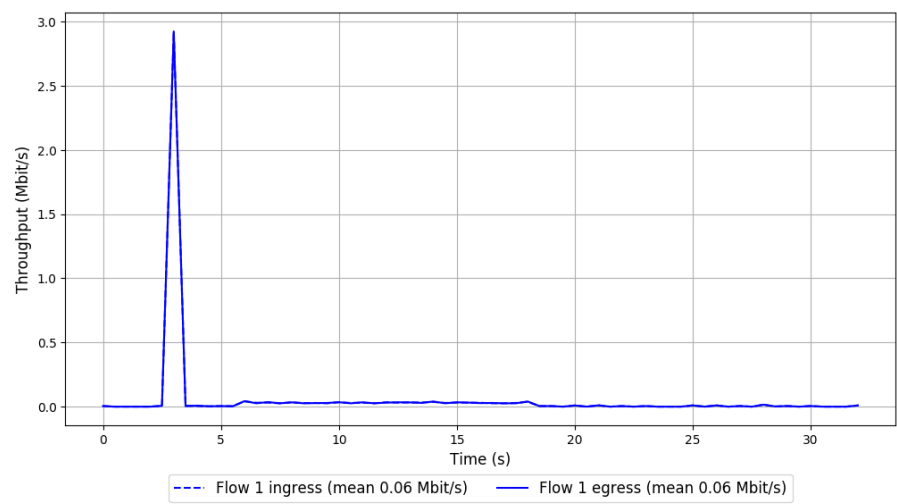
Run 1: Statistics of WebRTC media

Start at: 2018-04-17 01:32:03  
End at: 2018-04-17 01:32:33  
Local clock offset: -10.966 ms  
Remote clock offset: -4.236 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 17.904 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 17.904 ms  
Loss rate: 0.00%



Run 1: Report of WebRTC media — Data Link

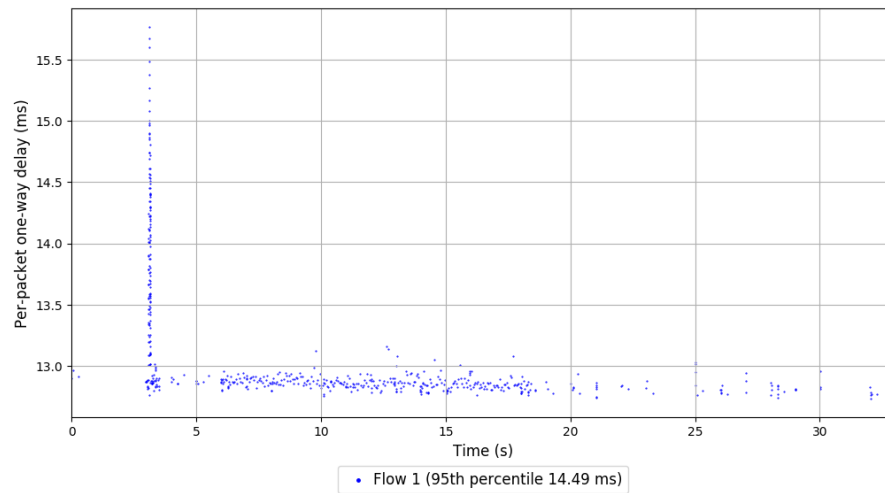
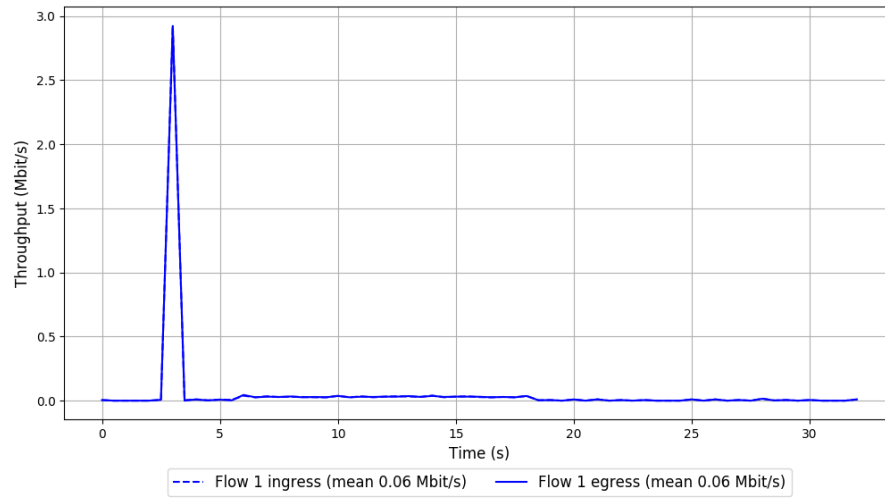


Run 2: Statistics of WebRTC media

Start at: 2018-04-17 01:51:57  
End at: 2018-04-17 01:52:27  
Local clock offset: -14.859 ms  
Remote clock offset: -7.714 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 14.488 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 14.488 ms  
Loss rate: 0.00%

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

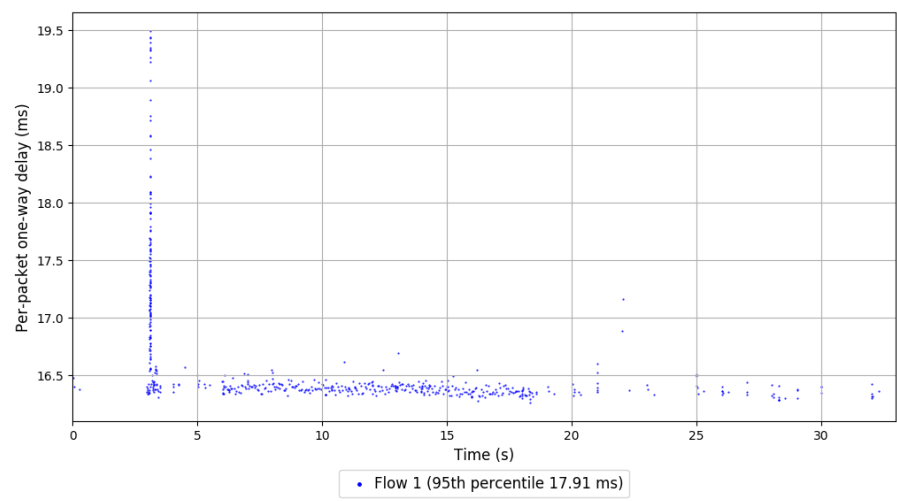
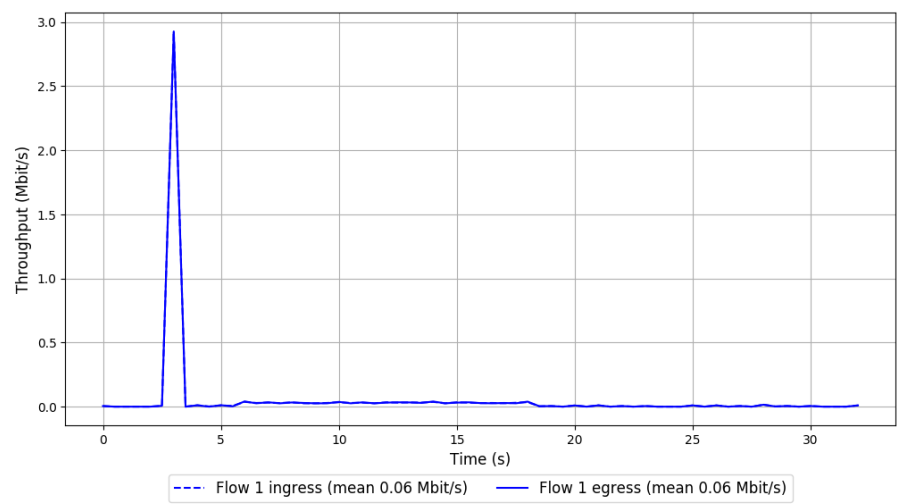


Run 3: Statistics of WebRTC media

Start at: 2018-04-17 02:12:09  
End at: 2018-04-17 02:12:39  
Local clock offset: -11.304 ms  
Remote clock offset: -11.477 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 17.911 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 17.911 ms  
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

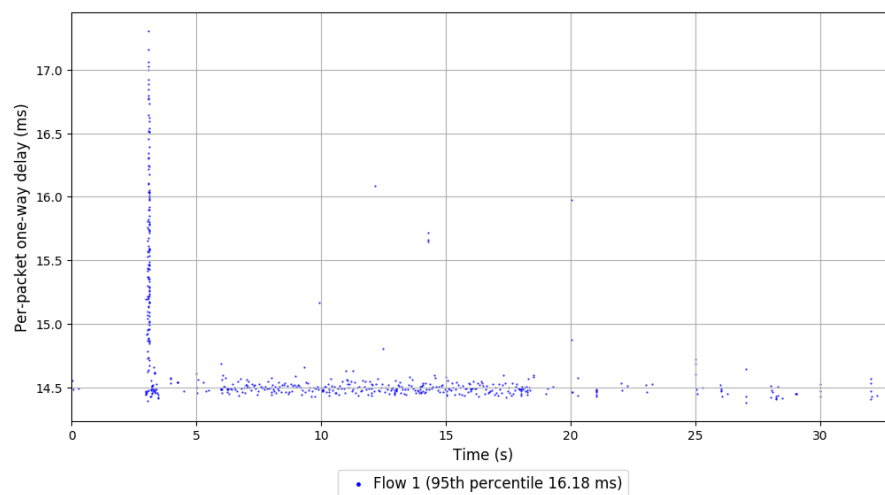
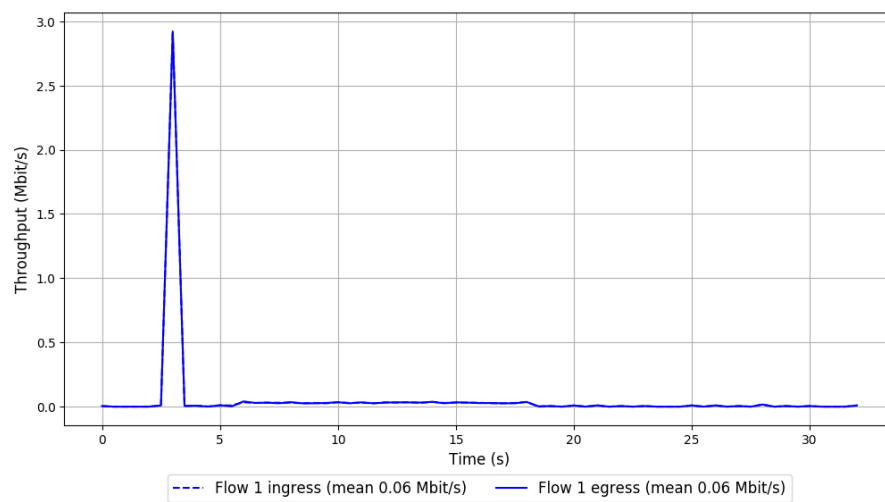


Run 4: Statistics of WebRTC media

Start at: 2018-04-17 02:32:08  
End at: 2018-04-17 02:32:38  
Local clock offset: -13.338 ms  
Remote clock offset: -13.476 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 16.178 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 16.178 ms  
Loss rate: 0.00%

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



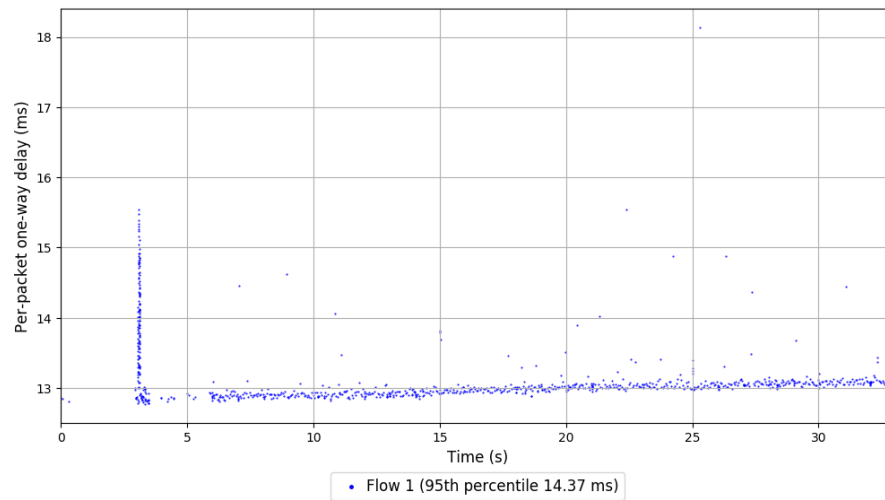
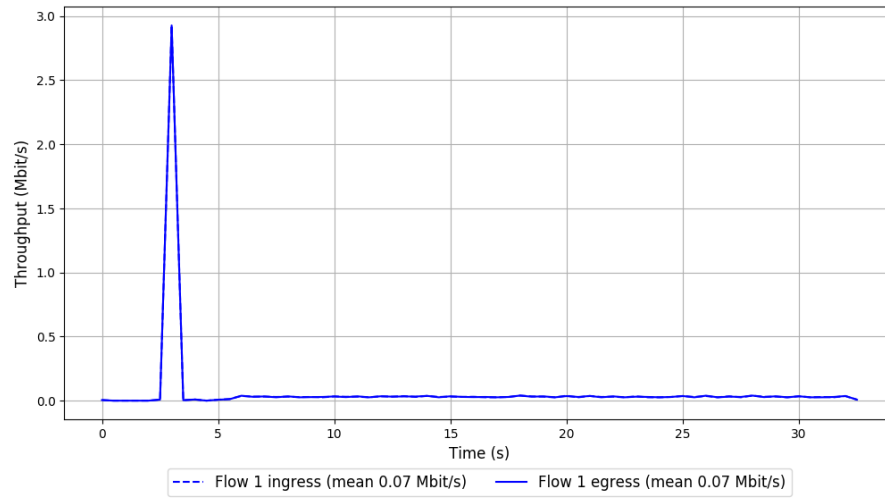
Run 5: Statistics of WebRTC media

Start at: 2018-04-17 02:52:45  
End at: 2018-04-17 02:53:15  
Local clock offset: -10.523 ms  
Remote clock offset: -15.188 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.07 Mbit/s  
95th percentile per-packet one-way delay: 14.365 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.07 Mbit/s  
95th percentile per-packet one-way delay: 14.365 ms  
Loss rate: 0.00%



## Run 5: Report of WebRTC media — Data Link

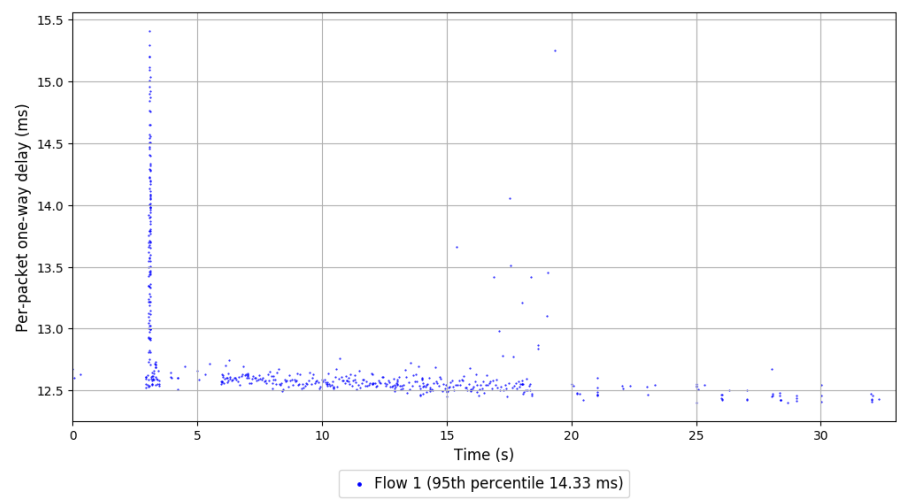
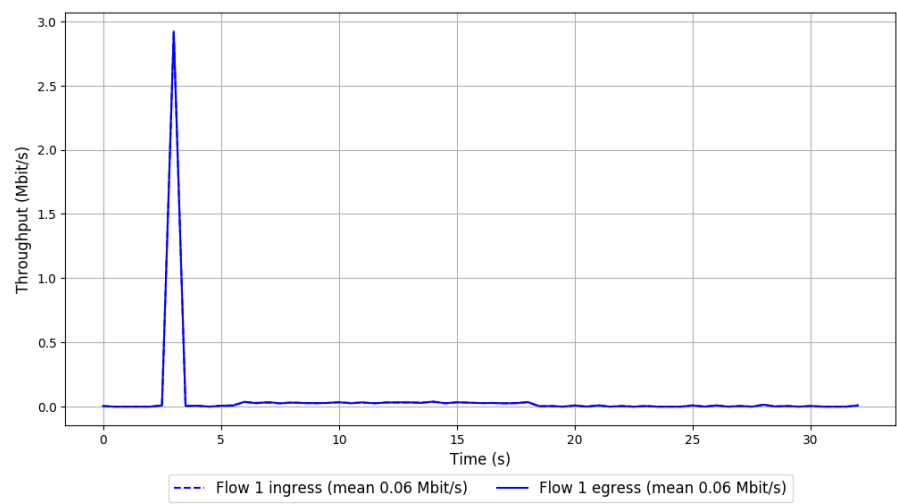


Run 6: Statistics of WebRTC media

Start at: 2018-04-17 03:13:20  
End at: 2018-04-17 03:13:50  
Local clock offset: -6.861 ms  
Remote clock offset: -11.355 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 14.332 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 14.332 ms  
Loss rate: 0.00%

Run 6: Report of WebRTC media — Data Link

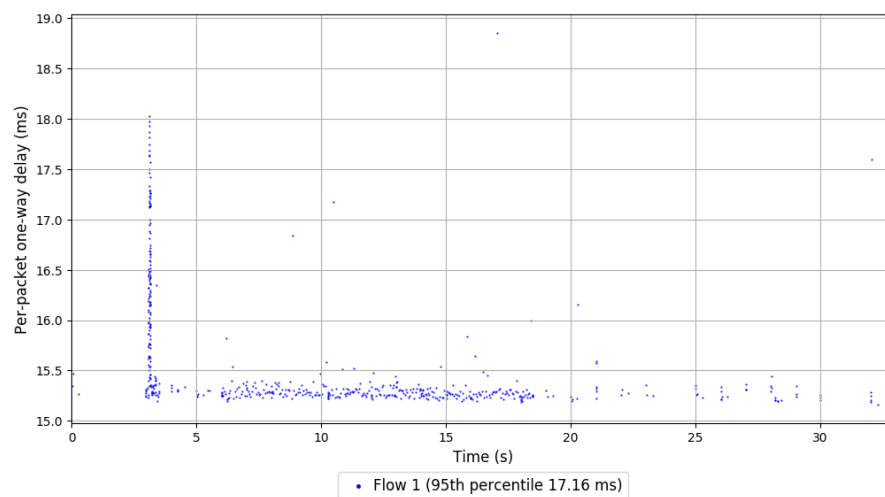
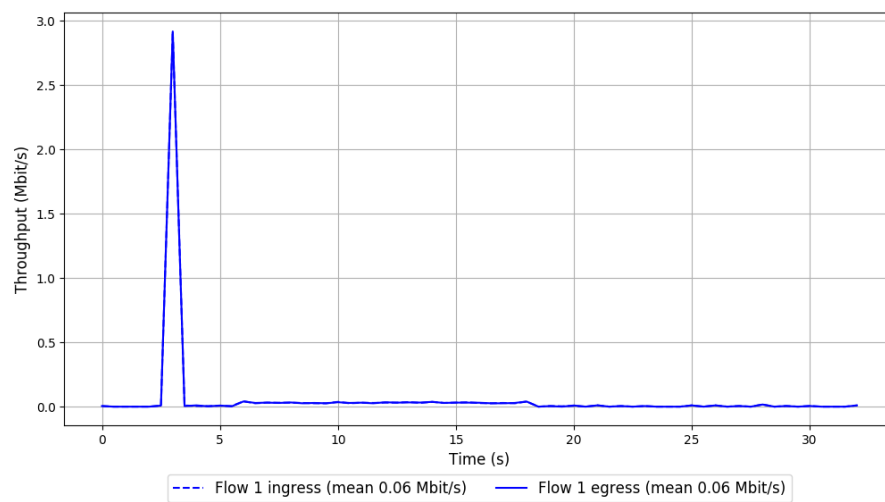


Run 7: Statistics of WebRTC media

Start at: 2018-04-17 03:34:03  
End at: 2018-04-17 03:34:33  
Local clock offset: 0.442 ms  
Remote clock offset: -11.145 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 17.160 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.06 Mbit/s  
95th percentile per-packet one-way delay: 17.160 ms  
Loss rate: 0.00%

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

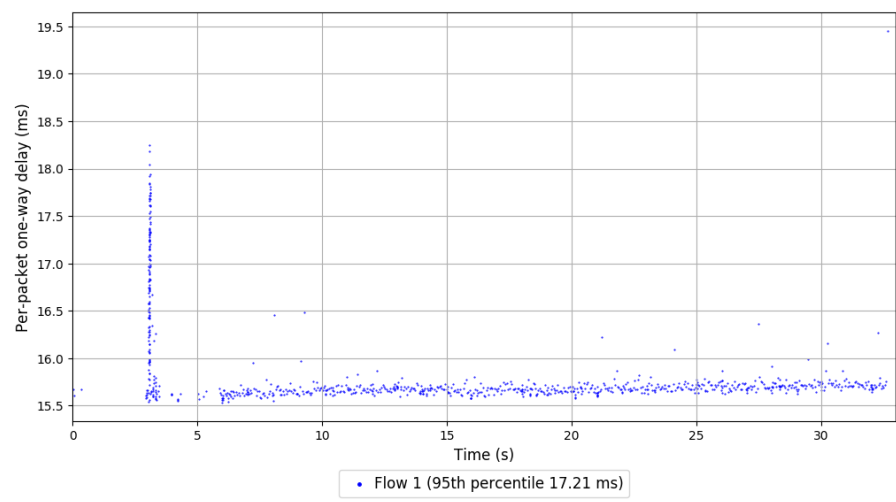
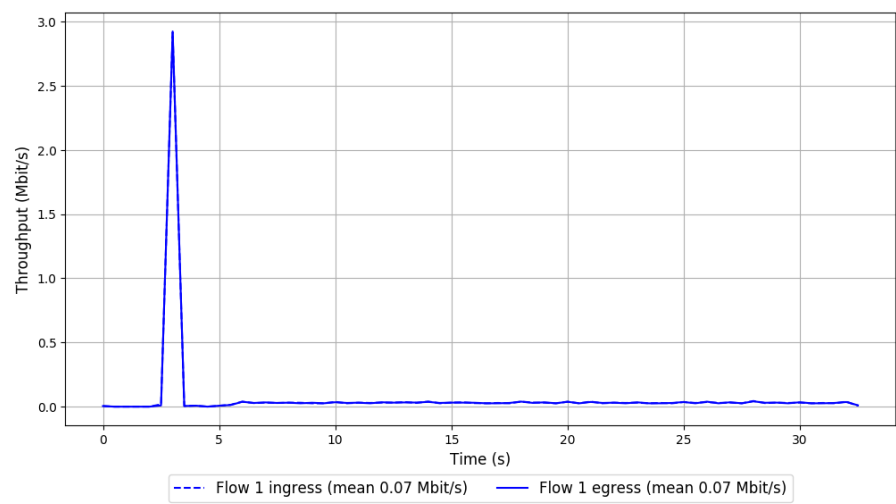


Run 8: Statistics of WebRTC media

Start at: 2018-04-17 03:54:45  
End at: 2018-04-17 03:55:15  
Local clock offset: -3.9 ms  
Remote clock offset: -10.839 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.07 Mbit/s  
95th percentile per-packet one-way delay: 17.206 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.07 Mbit/s  
95th percentile per-packet one-way delay: 17.206 ms  
Loss rate: 0.00%

Run 8: Report of WebRTC media — Data Link



Run 9: Statistics of WebRTC media

Start at: 2018-04-17 04:15:27

End at: 2018-04-17 04:15:57

Local clock offset: -6.809 ms

Remote clock offset: -8.71 ms

# Below is generated by plot.py at 2018-04-17 08:18:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 16.765 ms

Loss rate: 0.00%

-- Flow 1:

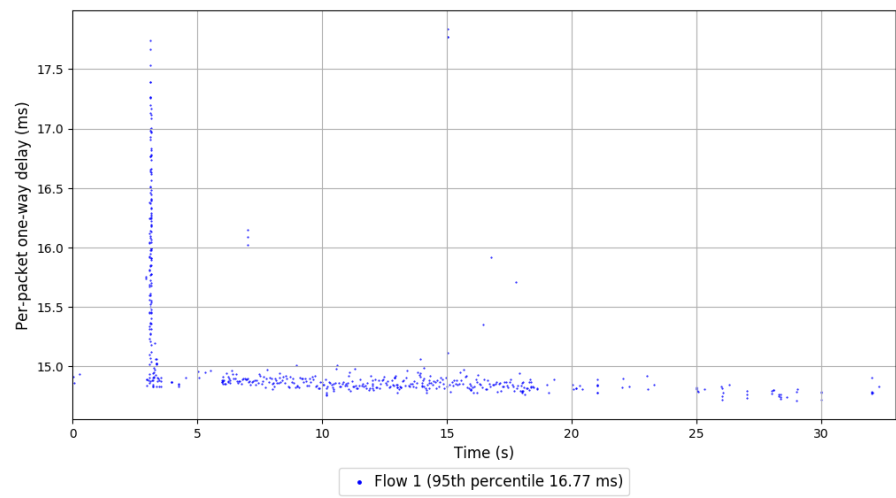
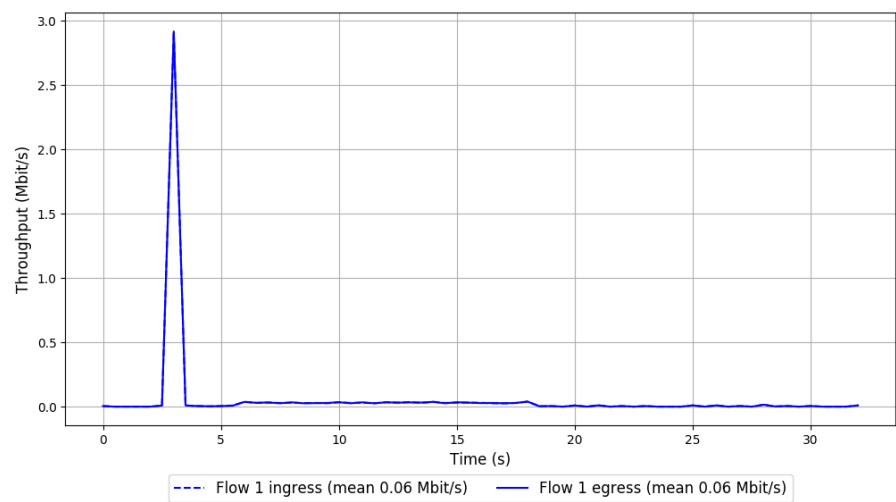
Average throughput: 0.06 Mbit/s

95th percentile per-packet one-way delay: 16.765 ms

Loss rate: 0.00%



Run 9: Report of WebRTC media — Data Link

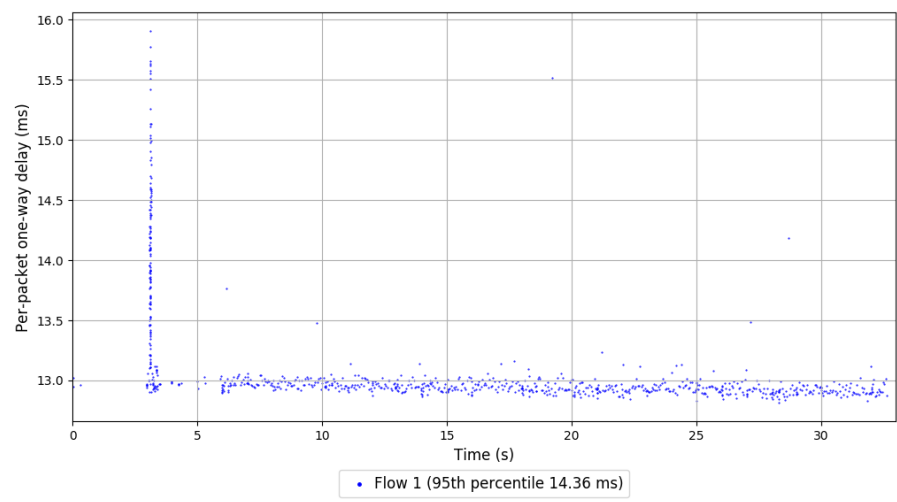
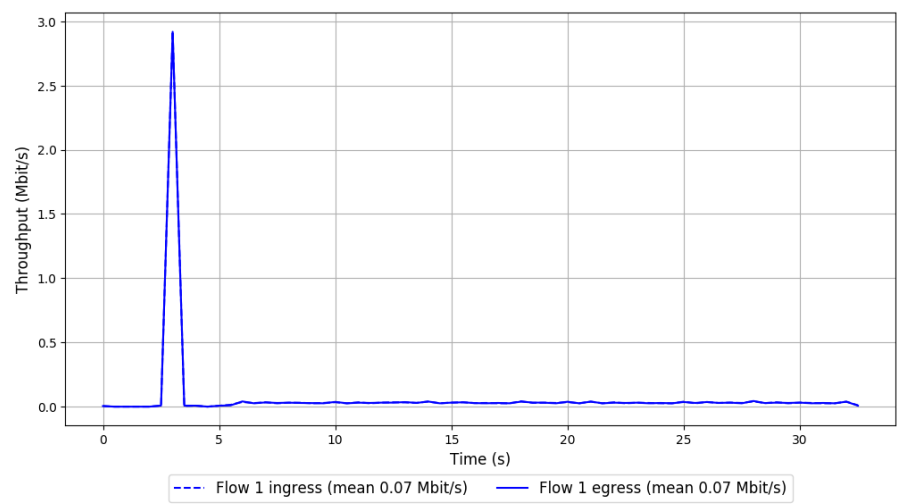


Run 10: Statistics of WebRTC media

Start at: 2018-04-17 04:36:13  
End at: 2018-04-17 04:36:43  
Local clock offset: -5.801 ms  
Remote clock offset: -7.989 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.07 Mbit/s  
95th percentile per-packet one-way delay: 14.355 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 0.07 Mbit/s  
95th percentile per-packet one-way delay: 14.355 ms  
Loss rate: 0.06%

Run 10: Report of WebRTC media — Data Link

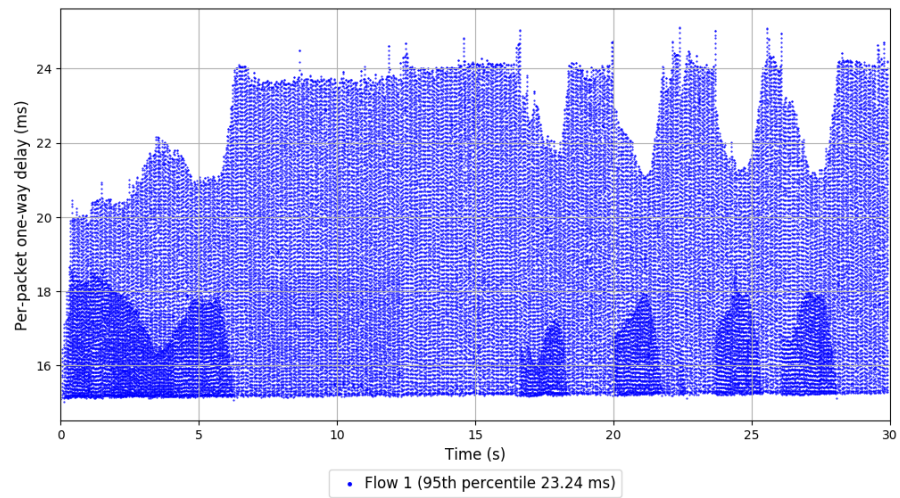
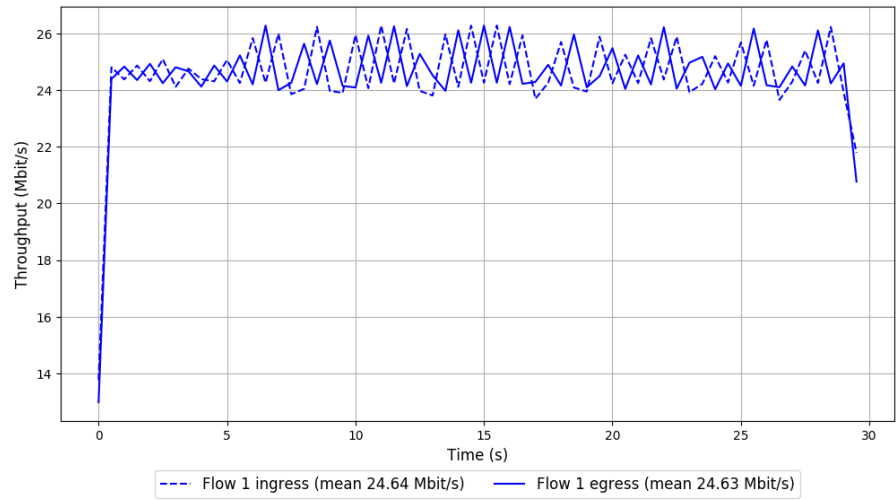


Run 1: Statistics of Sprout

Start at: 2018-04-17 01:37:49  
End at: 2018-04-17 01:38:19  
Local clock offset: -10.618 ms  
Remote clock offset: -4.095 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.63 Mbit/s  
95th percentile per-packet one-way delay: 23.243 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 24.63 Mbit/s  
95th percentile per-packet one-way delay: 23.243 ms  
Loss rate: 0.14%

# Run 1: Report of Sprout — Data Link

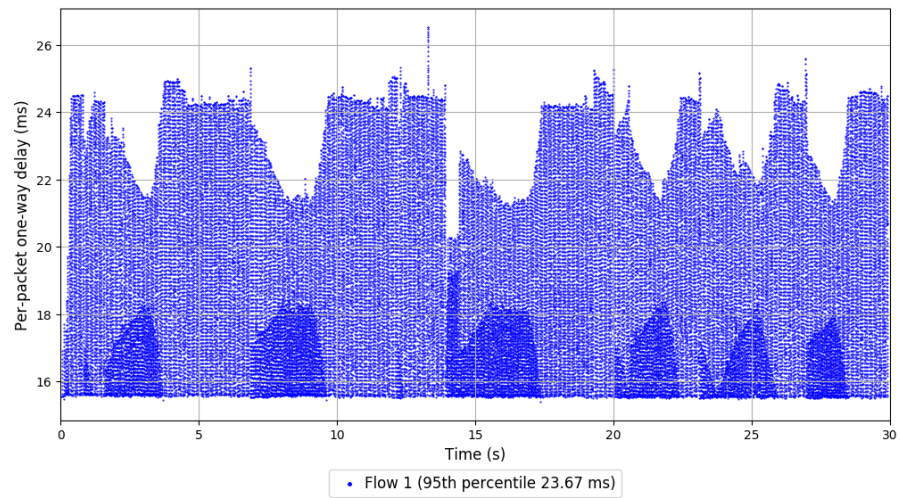
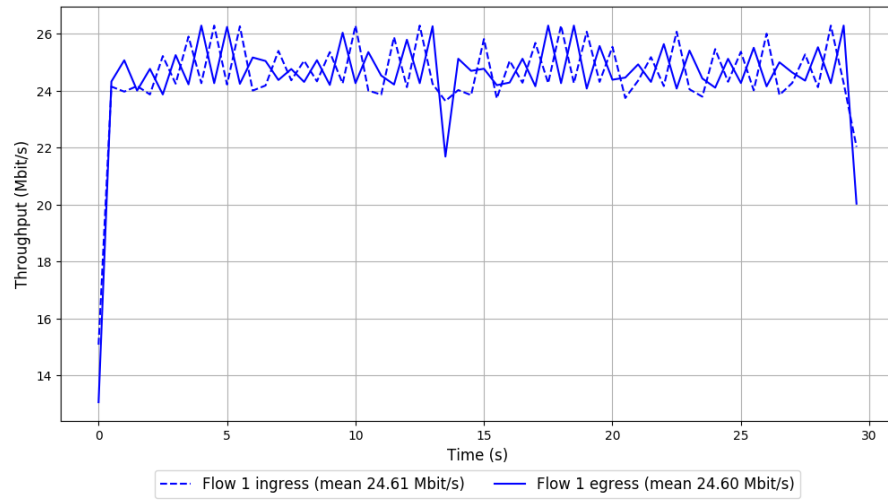


Run 2: Statistics of Sprout

Start at: 2018-04-17 01:57:54  
End at: 2018-04-17 01:58:24  
Local clock offset: -12.747 ms  
Remote clock offset: -9.11 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.60 Mbit/s  
95th percentile per-packet one-way delay: 23.667 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 24.60 Mbit/s  
95th percentile per-packet one-way delay: 23.667 ms  
Loss rate: 0.14%

## Run 2: Report of Sprout — Data Link



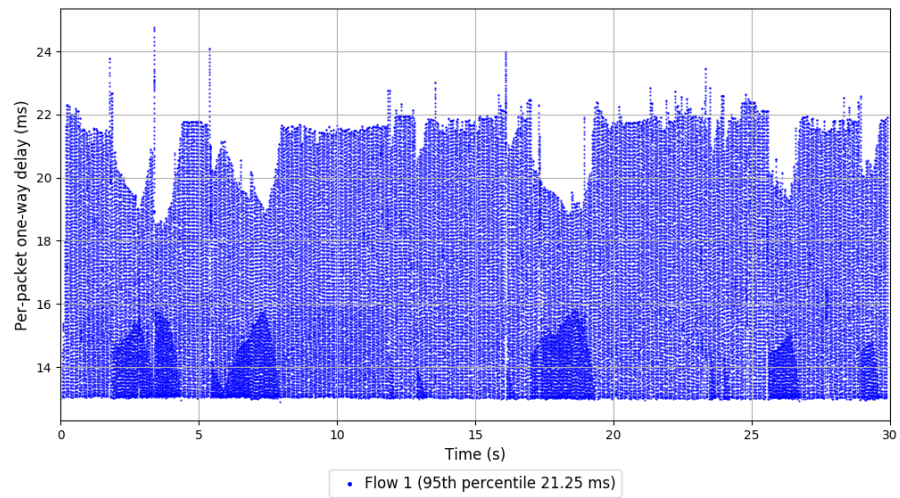
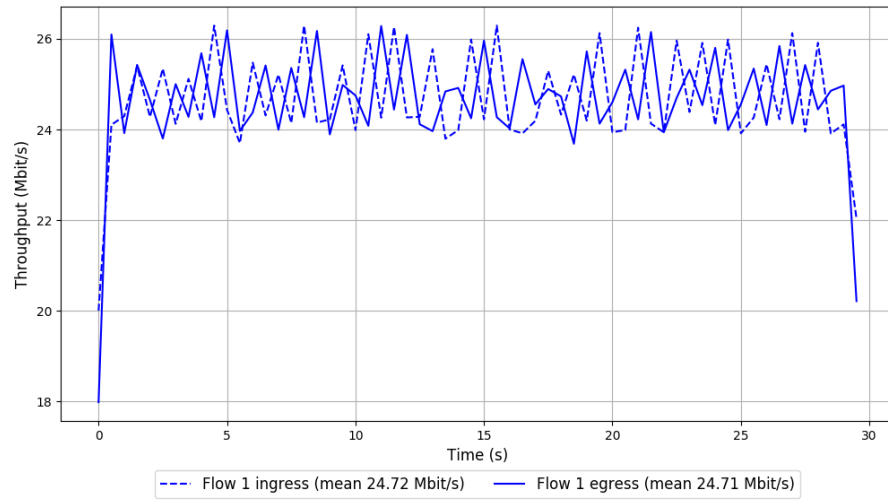
Run 3: Statistics of Sprout

Start at: 2018-04-17 02:17:52  
End at: 2018-04-17 02:18:22  
Local clock offset: -17.993 ms  
Remote clock offset: -15.29 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.71 Mbit/s  
95th percentile per-packet one-way delay: 21.245 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 24.71 Mbit/s  
95th percentile per-packet one-way delay: 21.245 ms  
Loss rate: 0.14%



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

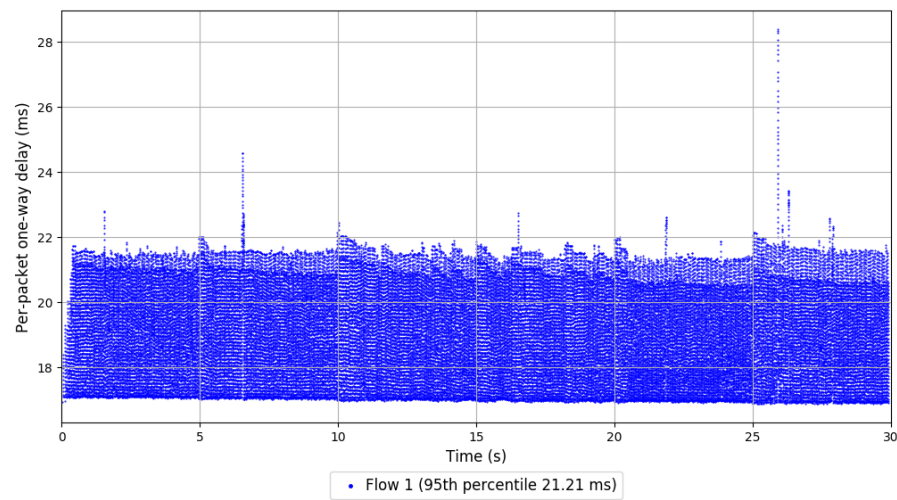
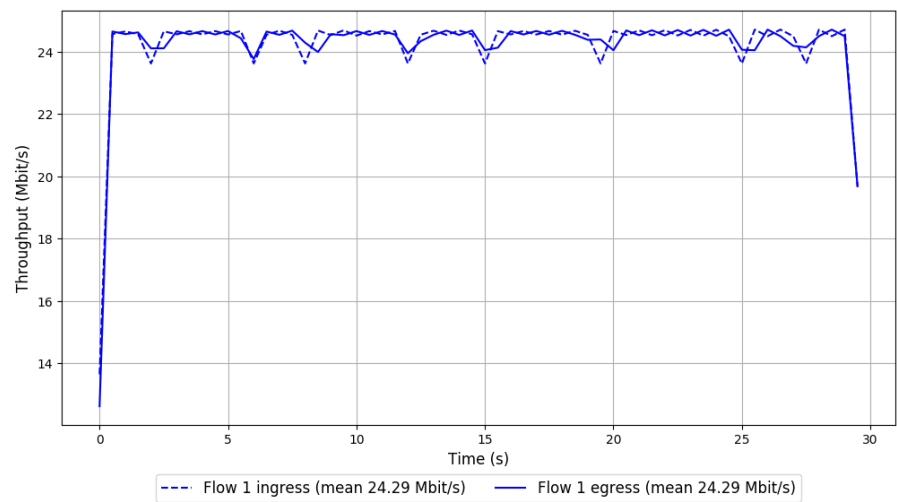


Run 4: Statistics of Sprout

Start at: 2018-04-17 02:37:59  
End at: 2018-04-17 02:38:30  
Local clock offset: -10.868 ms  
Remote clock offset: -16.037 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.29 Mbit/s  
95th percentile per-packet one-way delay: 21.215 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 24.29 Mbit/s  
95th percentile per-packet one-way delay: 21.215 ms  
Loss rate: 0.08%

Run 4: Report of Sprout — Data Link

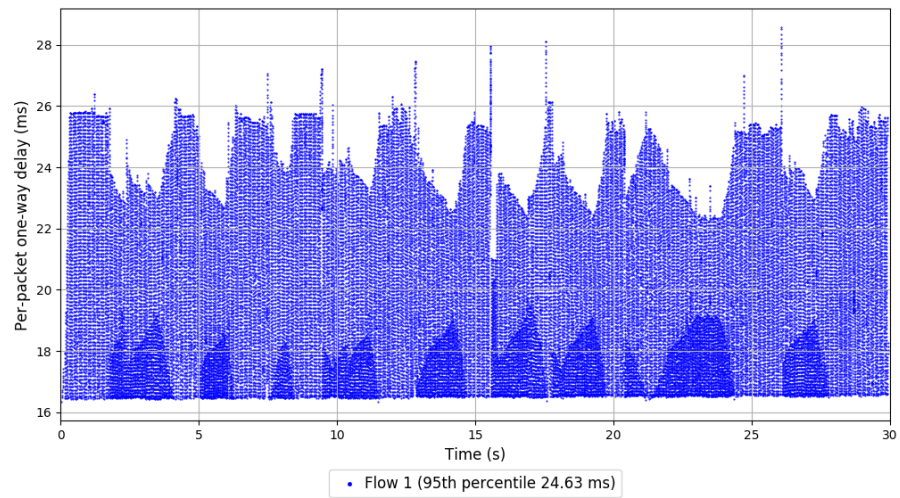
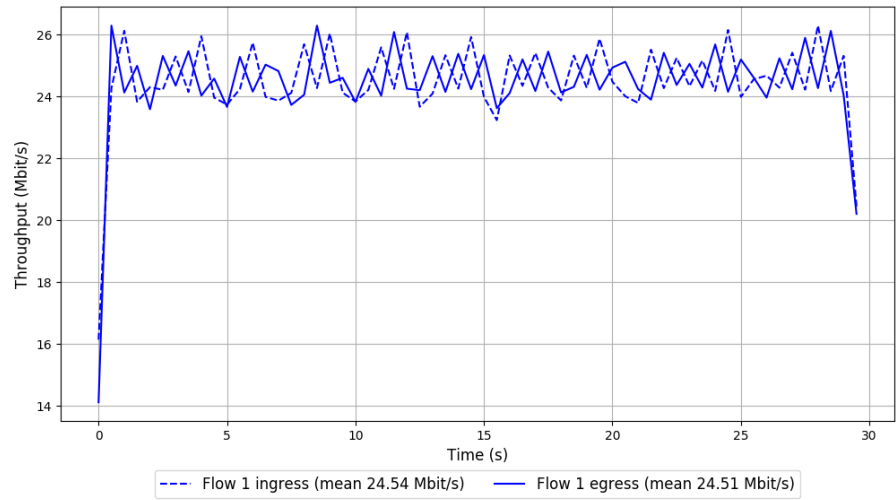


Run 5: Statistics of Sprout

Start at: 2018-04-17 02:58:39  
End at: 2018-04-17 02:59:09  
Local clock offset: -7.465 ms  
Remote clock offset: -13.615 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.51 Mbit/s  
95th percentile per-packet one-way delay: 24.634 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 24.51 Mbit/s  
95th percentile per-packet one-way delay: 24.634 ms  
Loss rate: 0.11%

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



Run 6: Statistics of Sprout

Start at: 2018-04-17 03:19:11

End at: 2018-04-17 03:19:41

Local clock offset: -2.74 ms

Remote clock offset: -11.738 ms

# Below is generated by plot.py at 2018-04-17 08:18:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 24.63 Mbit/s

95th percentile per-packet one-way delay: 23.674 ms

Loss rate: 0.00%

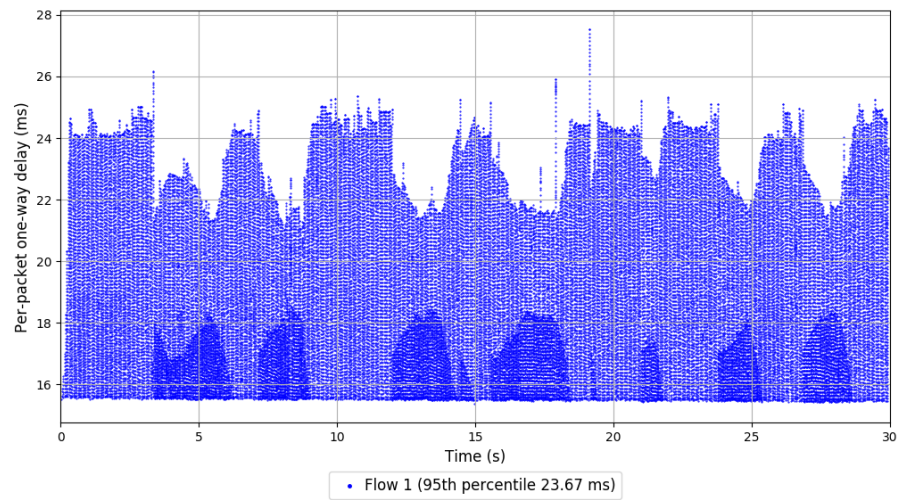
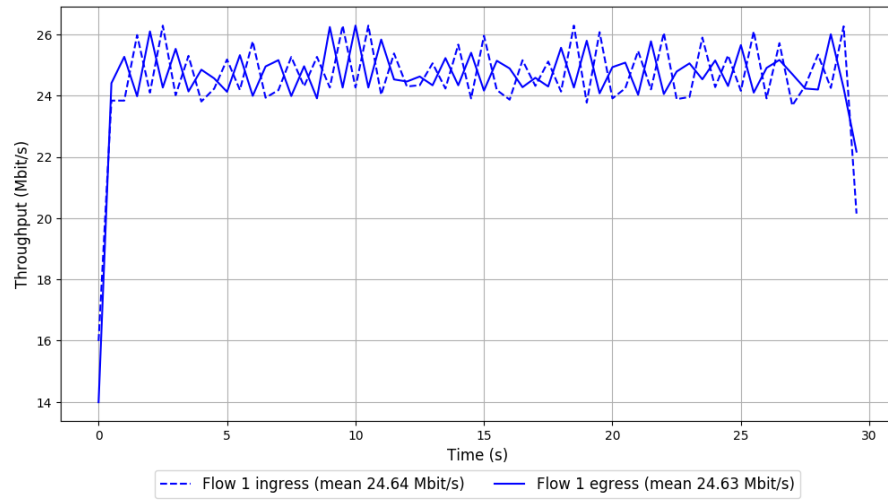
-- Flow 1:

Average throughput: 24.63 Mbit/s

95th percentile per-packet one-way delay: 23.674 ms

Loss rate: 0.00%

## Run 6: Report of Sprout — Data Link



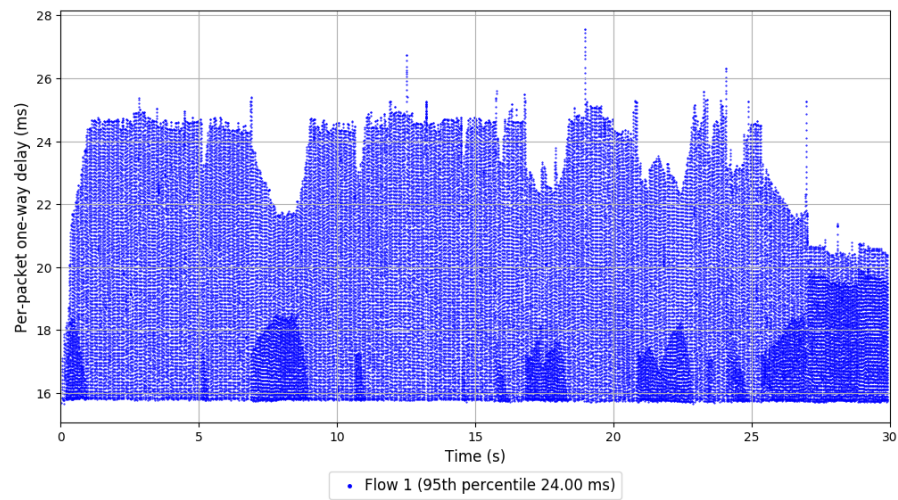
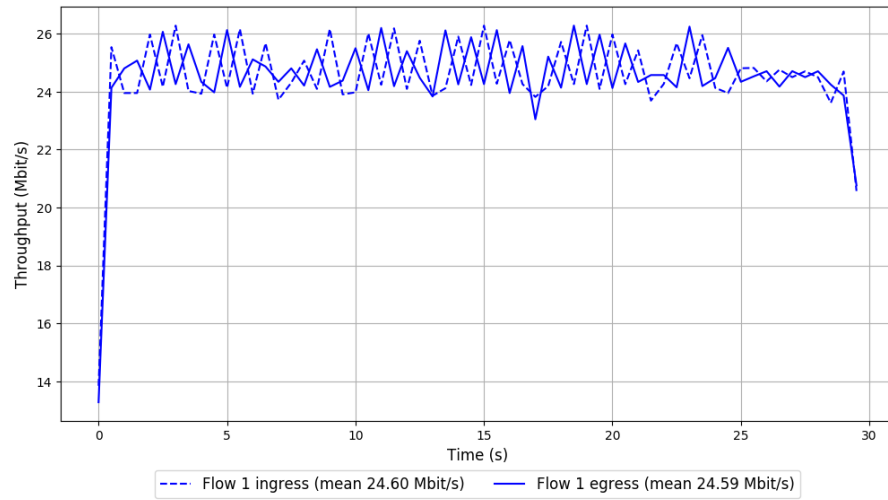
Run 7: Statistics of Sprout

Start at: 2018-04-17 03:40:11  
End at: 2018-04-17 03:40:41  
Local clock offset: 1.536 ms  
Remote clock offset: -11.305 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.59 Mbit/s  
95th percentile per-packet one-way delay: 24.000 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 24.59 Mbit/s  
95th percentile per-packet one-way delay: 24.000 ms  
Loss rate: 0.06%



## Run 7: Report of Sprout — Data Link

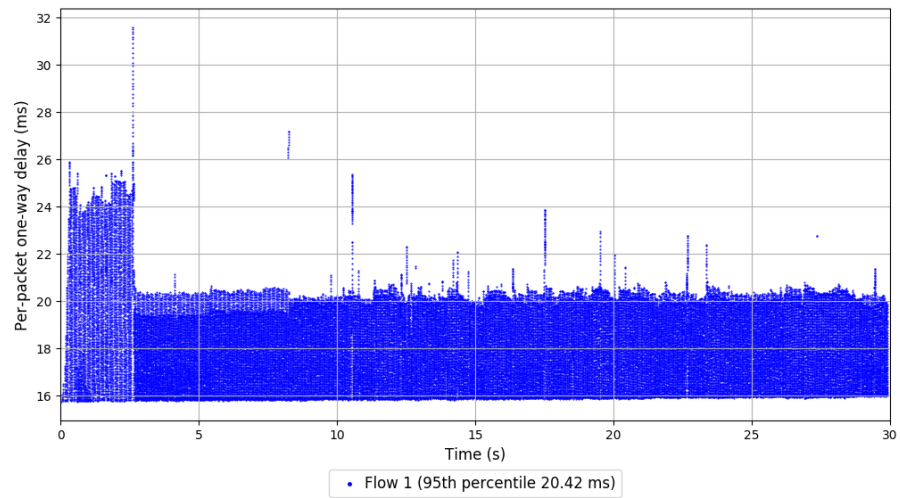
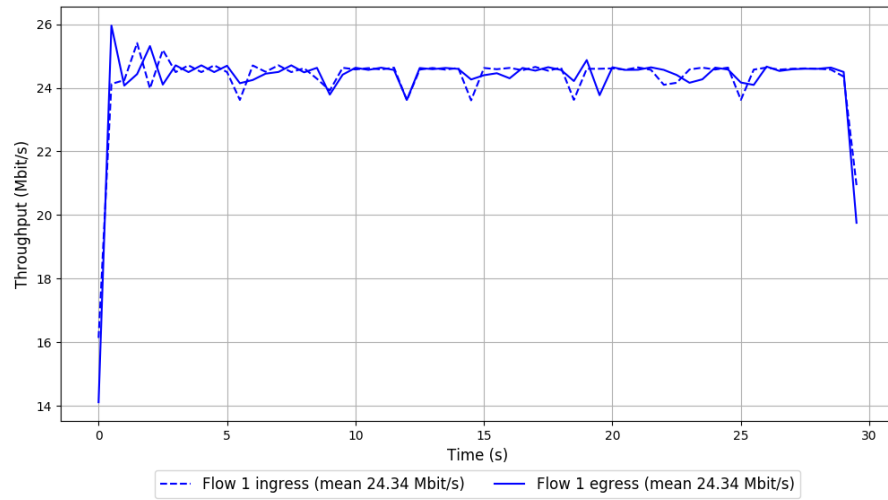


Run 8: Statistics of Sprout

Start at: 2018-04-17 04:00:53  
End at: 2018-04-17 04:01:23  
Local clock offset: -5.551 ms  
Remote clock offset: -11.617 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.34 Mbit/s  
95th percentile per-packet one-way delay: 20.417 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 24.34 Mbit/s  
95th percentile per-packet one-way delay: 20.417 ms  
Loss rate: 0.14%

# Run 8: Report of Sprout — Data Link

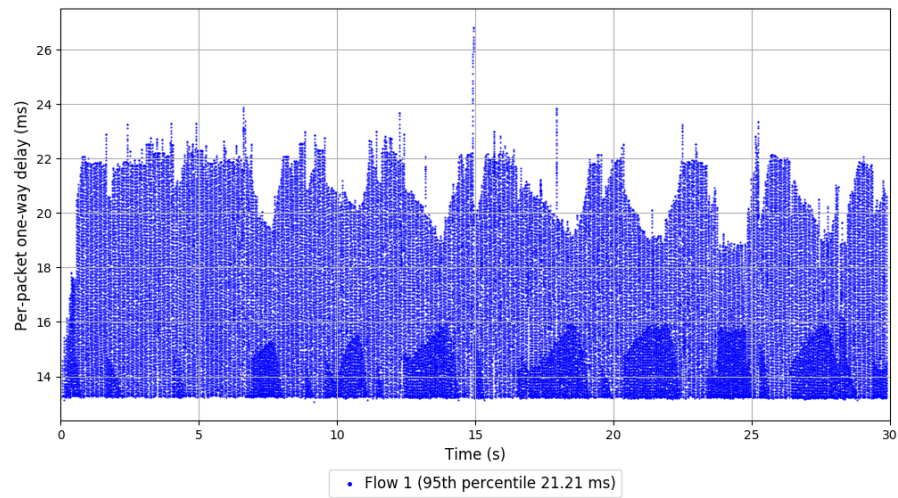
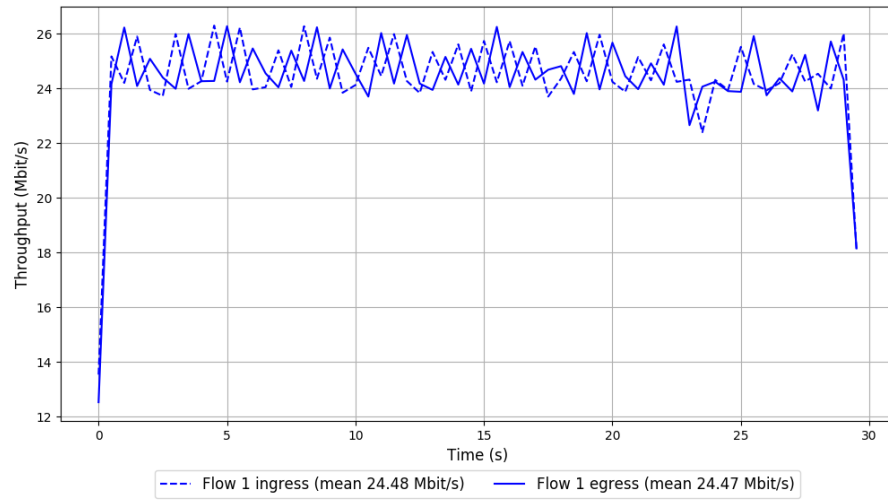


Run 9: Statistics of Sprout

Start at: 2018-04-17 04:21:42  
End at: 2018-04-17 04:22:12  
Local clock offset: -6.943 ms  
Remote clock offset: -8.177 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.47 Mbit/s  
95th percentile per-packet one-way delay: 21.210 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 24.47 Mbit/s  
95th percentile per-packet one-way delay: 21.210 ms  
Loss rate: 0.11%

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

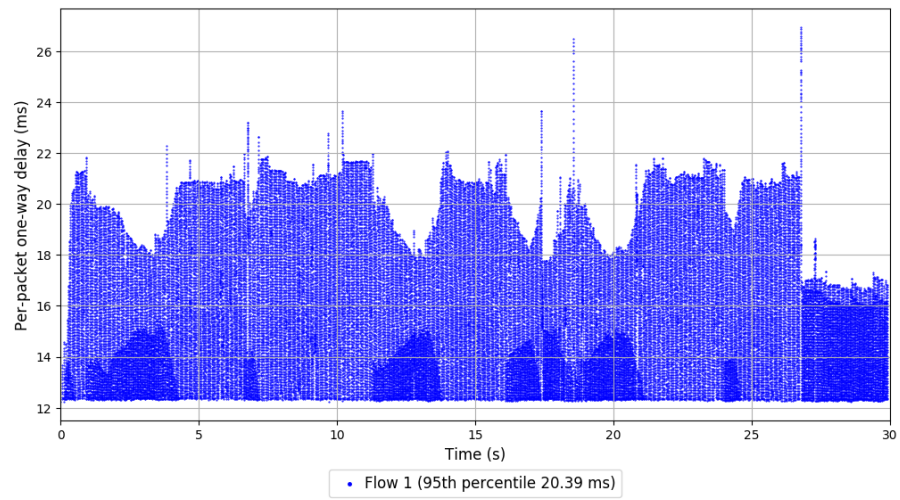
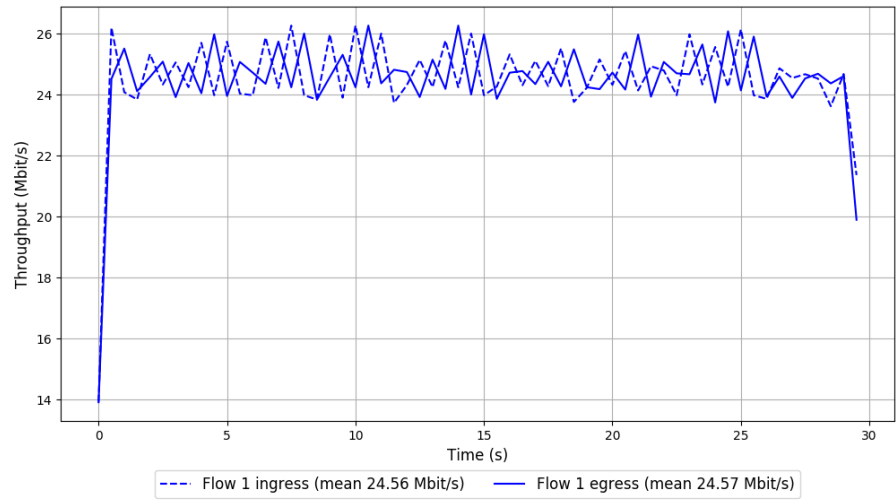


Run 10: Statistics of Sprout

Start at: 2018-04-17 04:42:14  
End at: 2018-04-17 04:42:44  
Local clock offset: -5.306 ms  
Remote clock offset: -7.548 ms

# Below is generated by plot.py at 2018-04-17 08:18:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 24.57 Mbit/s  
95th percentile per-packet one-way delay: 20.388 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 24.57 Mbit/s  
95th percentile per-packet one-way delay: 20.388 ms  
Loss rate: 0.12%

# Run 10: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2018-04-17 01:30:49

End at: 2018-04-17 01:31:20

Local clock offset: -8.822 ms

Remote clock offset: -4.046 ms

# Below is generated by plot.py at 2018-04-17 08:20:32

# Datalink statistics

-- Total of 1 flow:

Average throughput: 93.26 Mbit/s

95th percentile per-packet one-way delay: 19.468 ms

Loss rate: 0.09%

-- Flow 1:

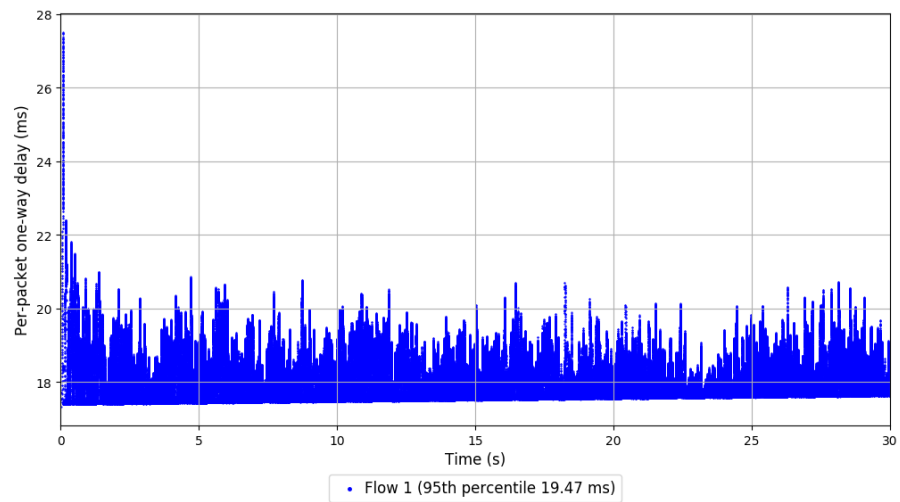
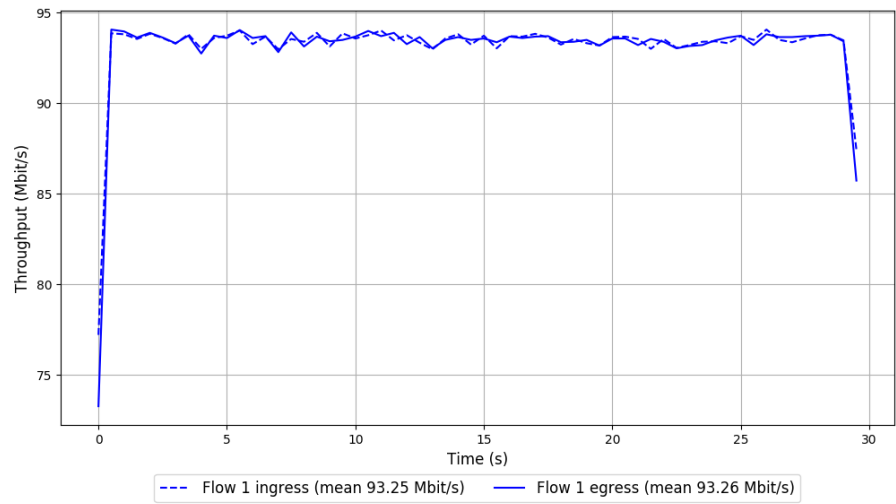
Average throughput: 93.26 Mbit/s

95th percentile per-packet one-way delay: 19.468 ms

Loss rate: 0.09%



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

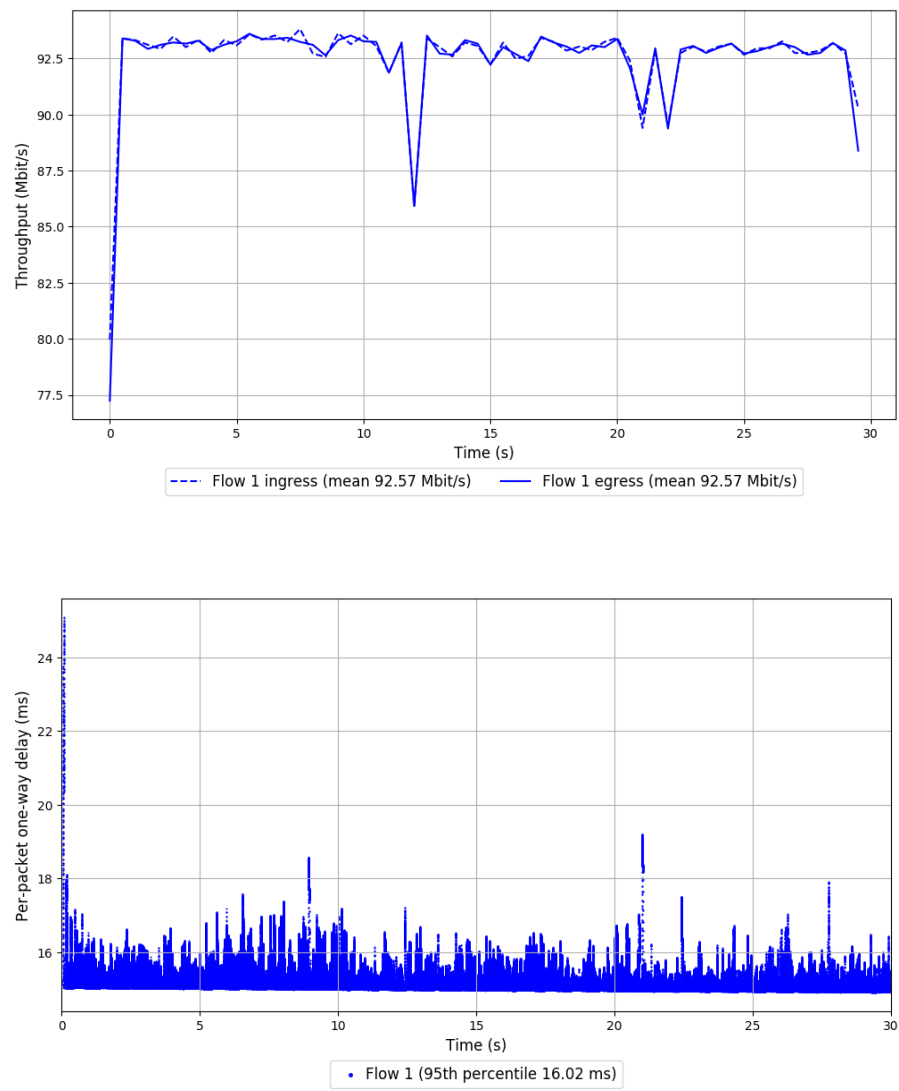


Run 2: Statistics of TaoVA-100x

Start at: 2018-04-17 01:50:38  
End at: 2018-04-17 01:51:08  
Local clock offset: -11.774 ms  
Remote clock offset: -6.408 ms

# Below is generated by plot.py at 2018-04-17 08:20:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.57 Mbit/s  
95th percentile per-packet one-way delay: 16.023 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 92.57 Mbit/s  
95th percentile per-packet one-way delay: 16.023 ms  
Loss rate: 0.08%

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

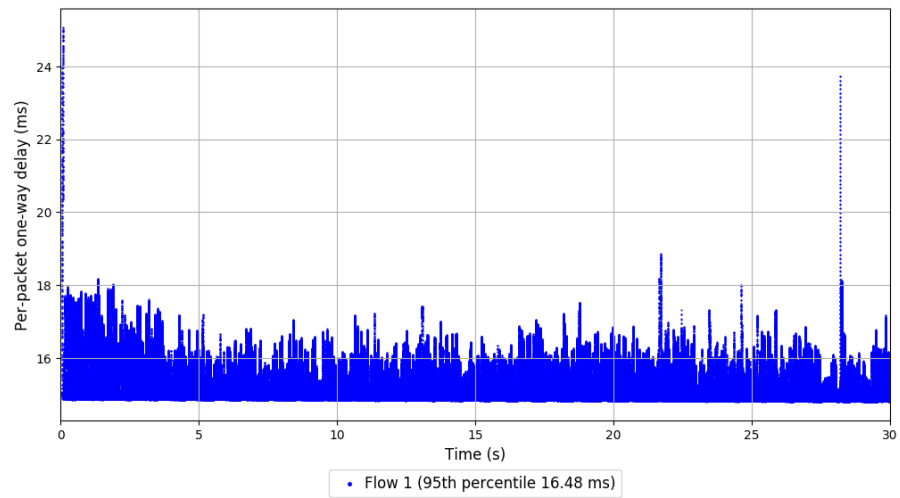
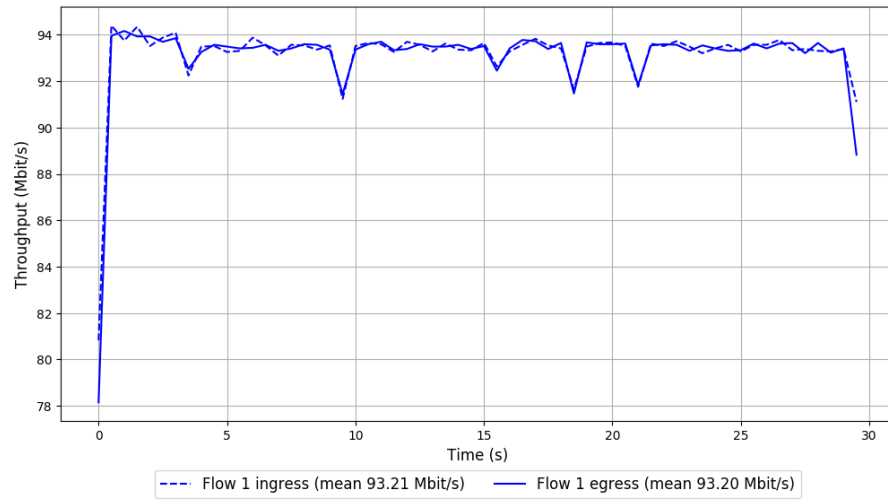


Run 3: Statistics of TaoVA-100x

Start at: 2018-04-17 02:10:56  
End at: 2018-04-17 02:11:26  
Local clock offset: -12.526 ms  
Remote clock offset: -10.937 ms

# Below is generated by plot.py at 2018-04-17 08:20:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.20 Mbit/s  
95th percentile per-packet one-way delay: 16.482 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 93.20 Mbit/s  
95th percentile per-packet one-way delay: 16.482 ms  
Loss rate: 0.09%

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

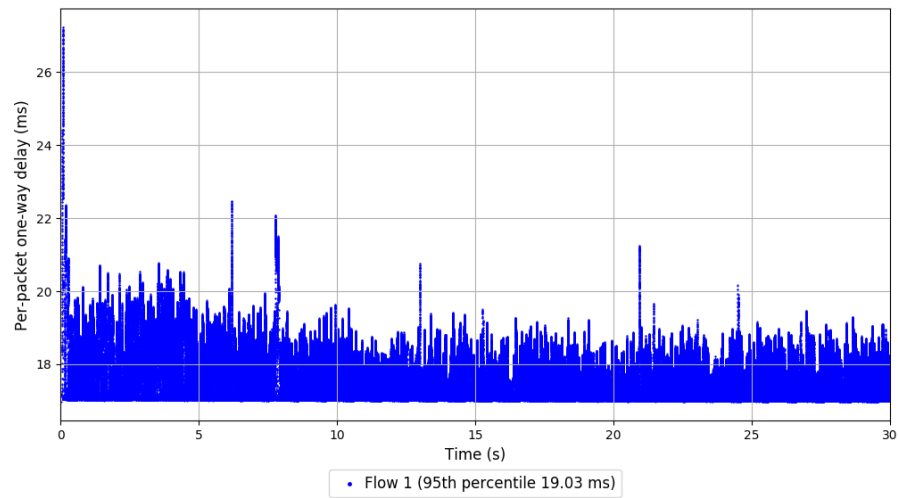
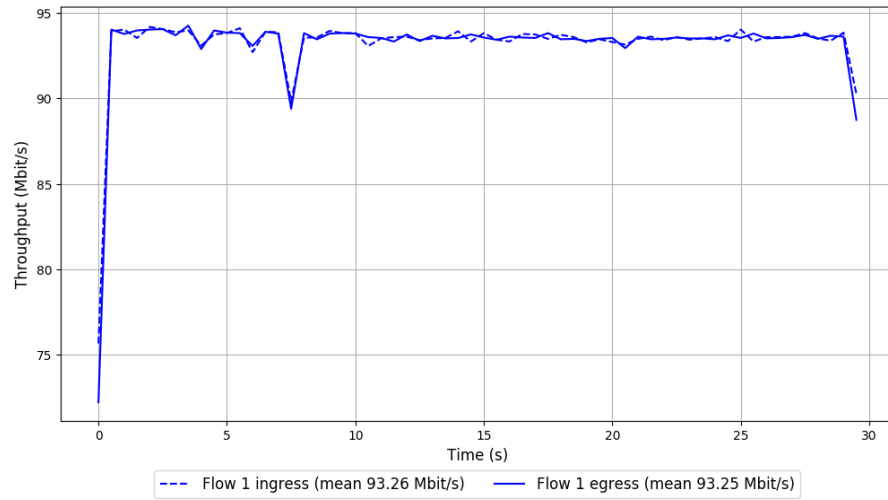


Run 4: Statistics of TaoVA-100x

Start at: 2018-04-17 02:30:52  
End at: 2018-04-17 02:31:22  
Local clock offset: -12.628 ms  
Remote clock offset: -15.096 ms

# Below is generated by plot.py at 2018-04-17 08:20:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.25 Mbit/s  
95th percentile per-packet one-way delay: 19.030 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 93.25 Mbit/s  
95th percentile per-packet one-way delay: 19.030 ms  
Loss rate: 0.09%

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



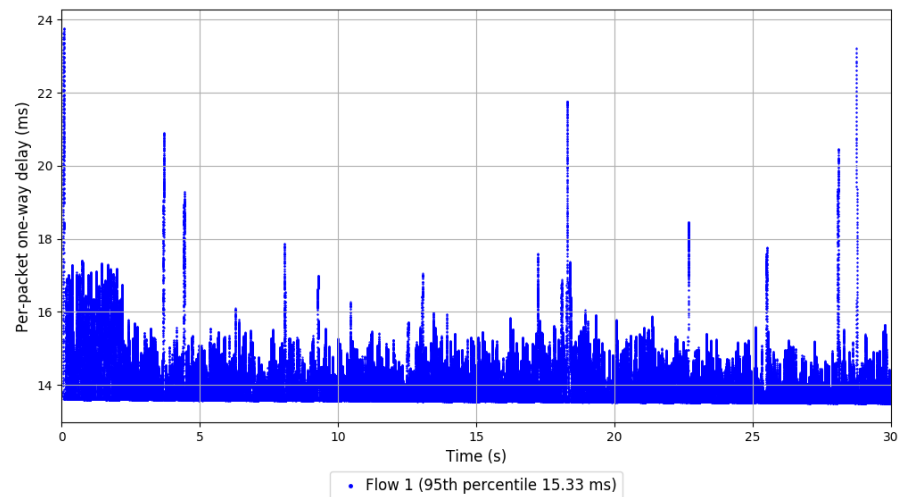
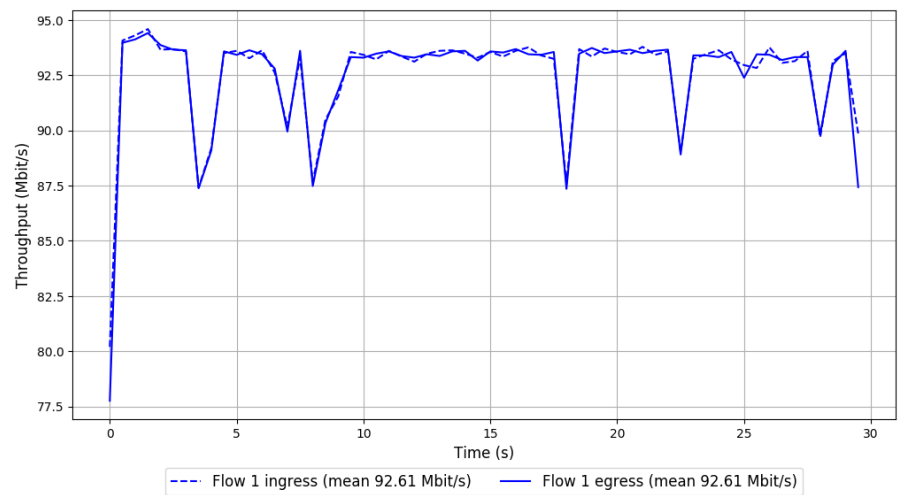
Run 5: Statistics of TaoVA-100x

Start at: 2018-04-17 02:51:27  
End at: 2018-04-17 02:51:57  
Local clock offset: -10.508 ms  
Remote clock offset: -15.952 ms

# Below is generated by plot.py at 2018-04-17 08:20:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.61 Mbit/s  
95th percentile per-packet one-way delay: 15.328 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 92.61 Mbit/s  
95th percentile per-packet one-way delay: 15.328 ms  
Loss rate: 0.09%



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

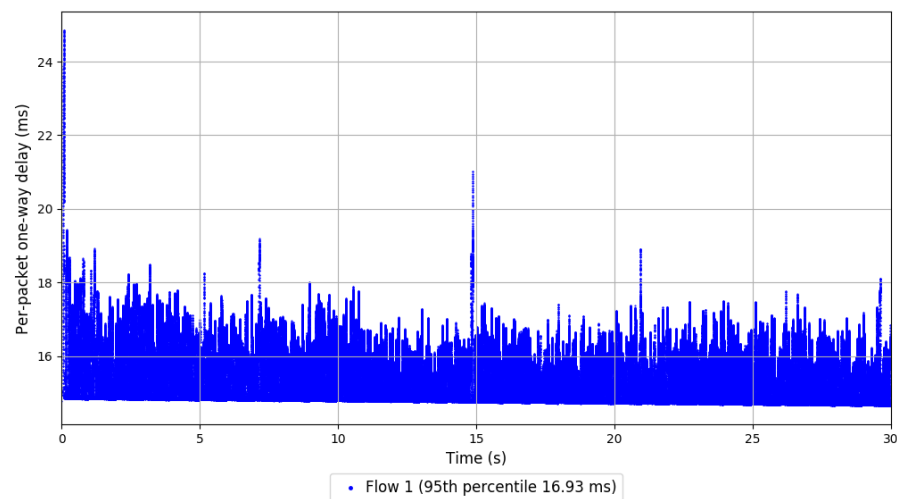
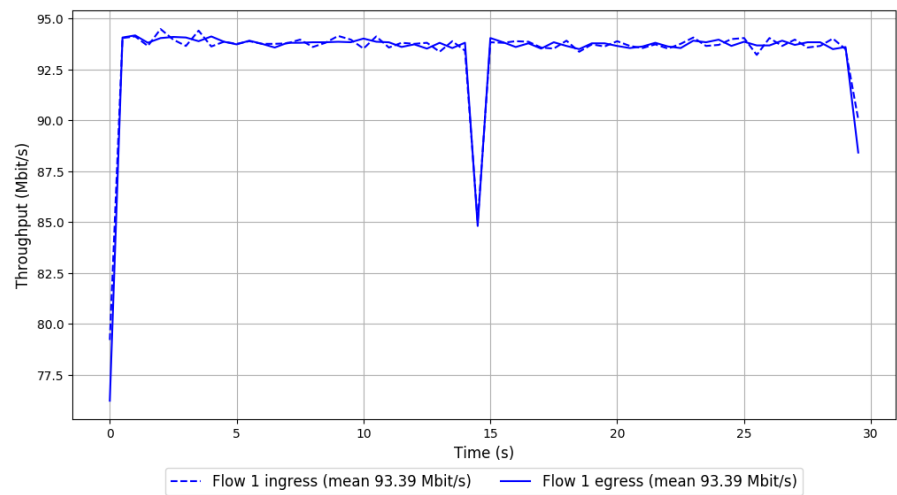


Run 6: Statistics of TaoVA-100x

Start at: 2018-04-17 03:12:03  
End at: 2018-04-17 03:12:33  
Local clock offset: -5.147 ms  
Remote clock offset: -11.332 ms

# Below is generated by plot.py at 2018-04-17 08:20:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.39 Mbit/s  
95th percentile per-packet one-way delay: 16.930 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 93.39 Mbit/s  
95th percentile per-packet one-way delay: 16.930 ms  
Loss rate: 0.08%

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

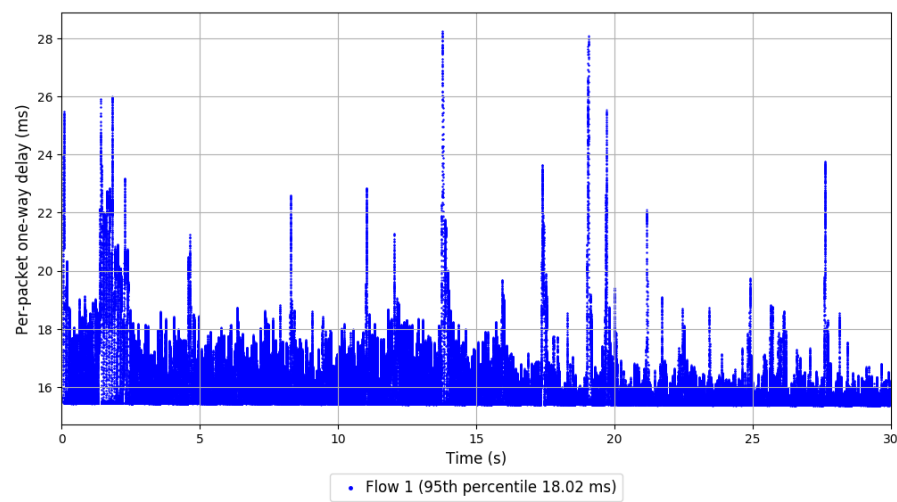
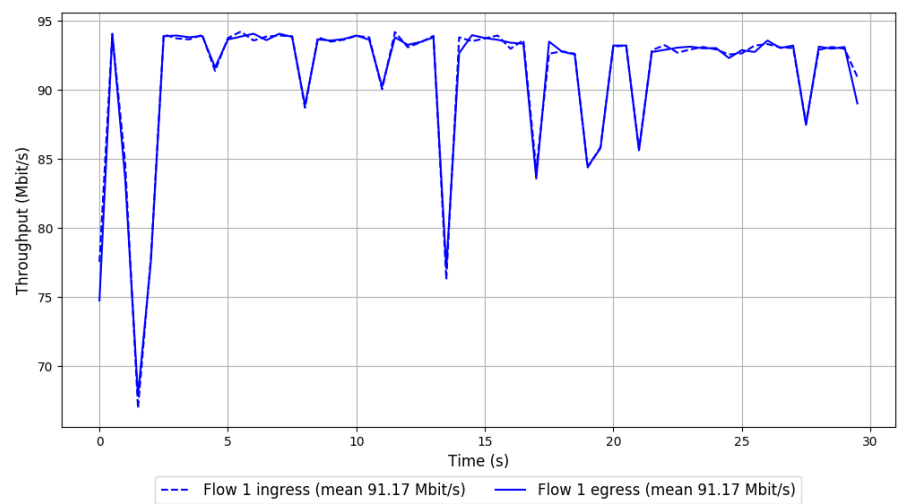


Run 7: Statistics of TaoVA-100x

Start at: 2018-04-17 03:32:38  
End at: 2018-04-17 03:33:08  
Local clock offset: 0.415 ms  
Remote clock offset: -11.034 ms

# Below is generated by plot.py at 2018-04-17 08:20:56  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.17 Mbit/s  
95th percentile per-packet one-way delay: 18.023 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 91.17 Mbit/s  
95th percentile per-packet one-way delay: 18.023 ms  
Loss rate: 0.09%

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

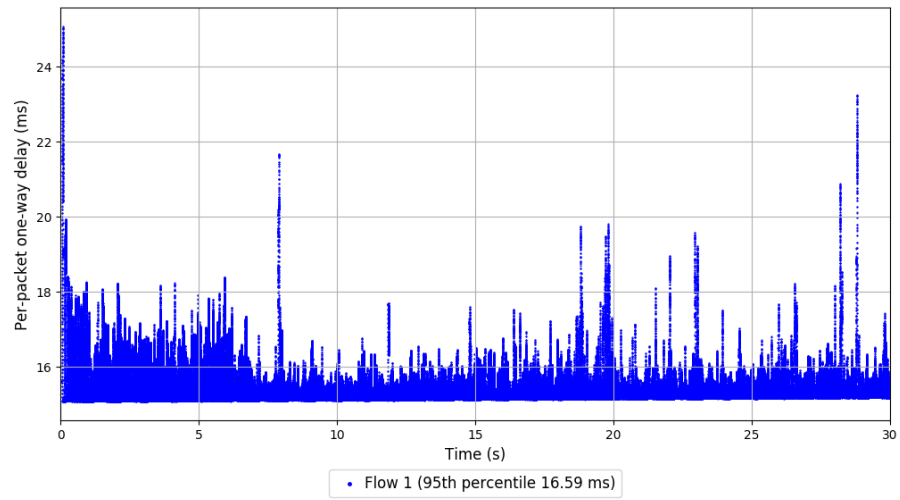
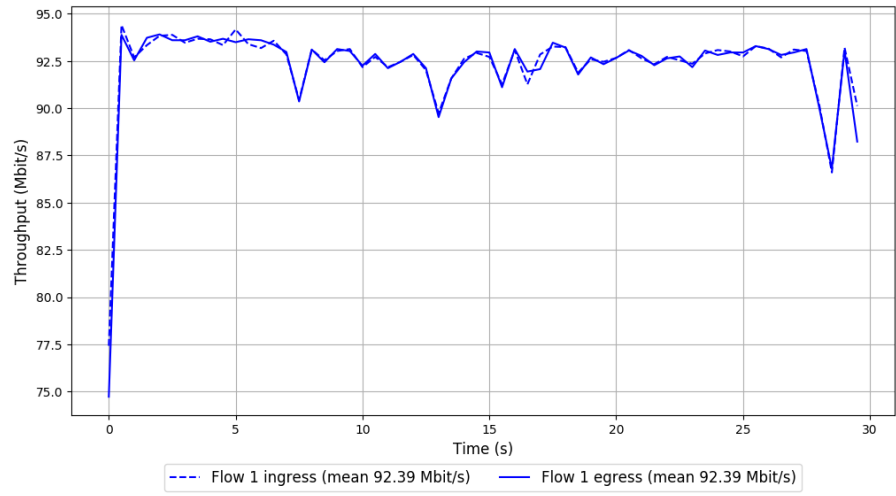


Run 8: Statistics of TaoVA-100x

Start at: 2018-04-17 03:53:20  
End at: 2018-04-17 03:53:50  
Local clock offset: -5.211 ms  
Remote clock offset: -11.796 ms

# Below is generated by plot.py at 2018-04-17 08:21:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.39 Mbit/s  
95th percentile per-packet one-way delay: 16.594 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 92.39 Mbit/s  
95th percentile per-packet one-way delay: 16.594 ms  
Loss rate: 0.09%

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



Run 9: Statistics of TaoVA-100x

Start at: 2018-04-17 04:14:06

End at: 2018-04-17 04:14:36

Local clock offset: -6.87 ms

Remote clock offset: -8.649 ms

# Below is generated by plot.py at 2018-04-17 08:22:57

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.86 Mbit/s

95th percentile per-packet one-way delay: 16.430 ms

Loss rate: 0.09%

-- Flow 1:

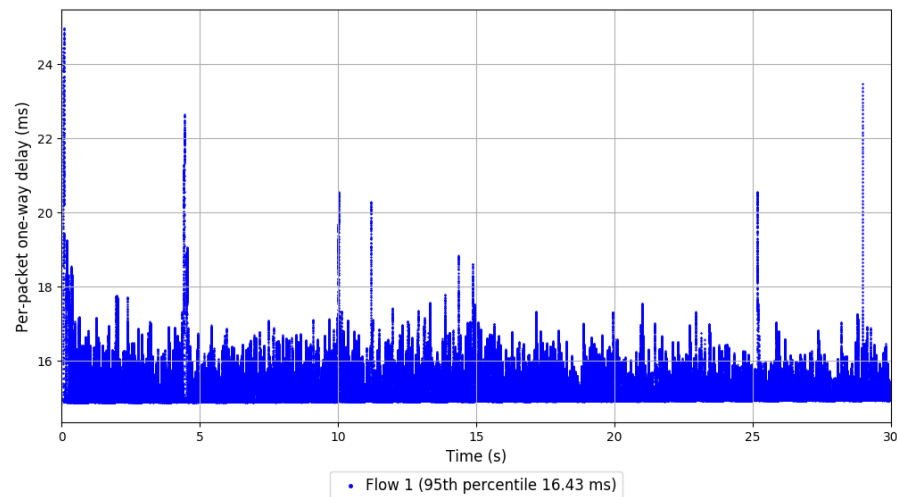
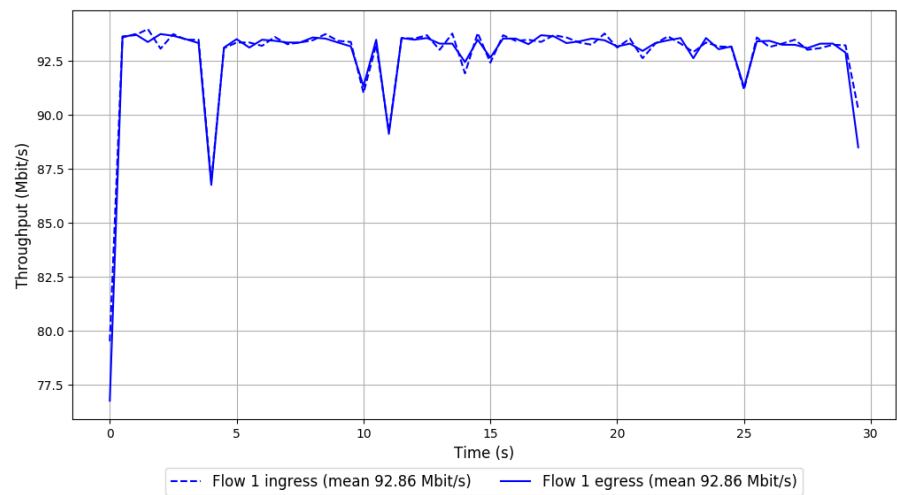
Average throughput: 92.86 Mbit/s

95th percentile per-packet one-way delay: 16.430 ms

Loss rate: 0.09%



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



Run 10: Statistics of TaoVA-100x

Start at: 2018-04-17 04:34:53

End at: 2018-04-17 04:35:24

Local clock offset: -5.466 ms

Remote clock offset: -7.859 ms

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

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.98 Mbit/s

95th percentile per-packet one-way delay: 15.369 ms

Loss rate: 0.09%

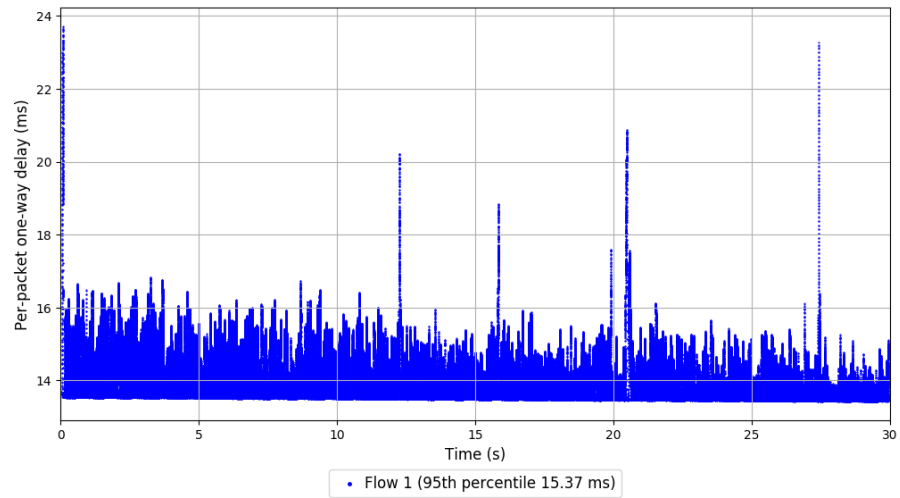
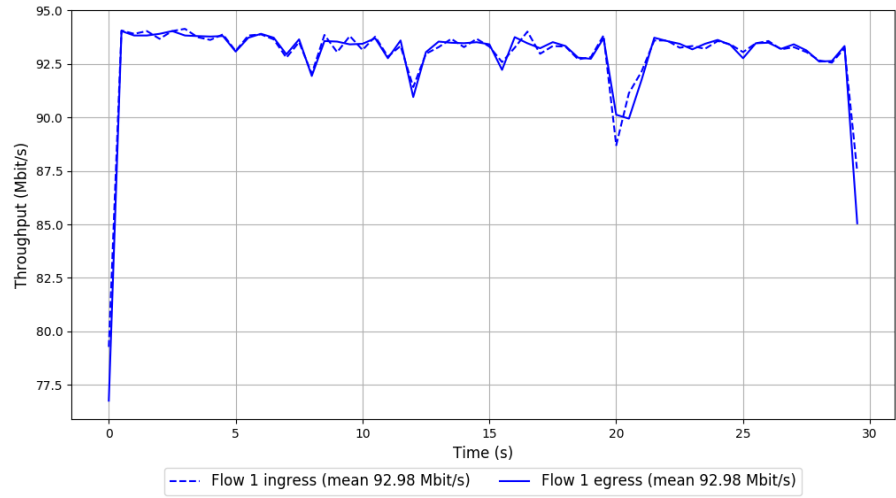
-- Flow 1:

Average throughput: 92.98 Mbit/s

95th percentile per-packet one-way delay: 15.369 ms

Loss rate: 0.09%

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



Run 1: Statistics of TCP Vegas

Start at: 2018-04-17 01:42:20  
End at: 2018-04-17 01:42:50  
Local clock offset: -13.472 ms  
Remote clock offset: -4.801 ms

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

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.84 Mbit/s

95th percentile per-packet one-way delay: 26.019 ms

Loss rate: 0.08%

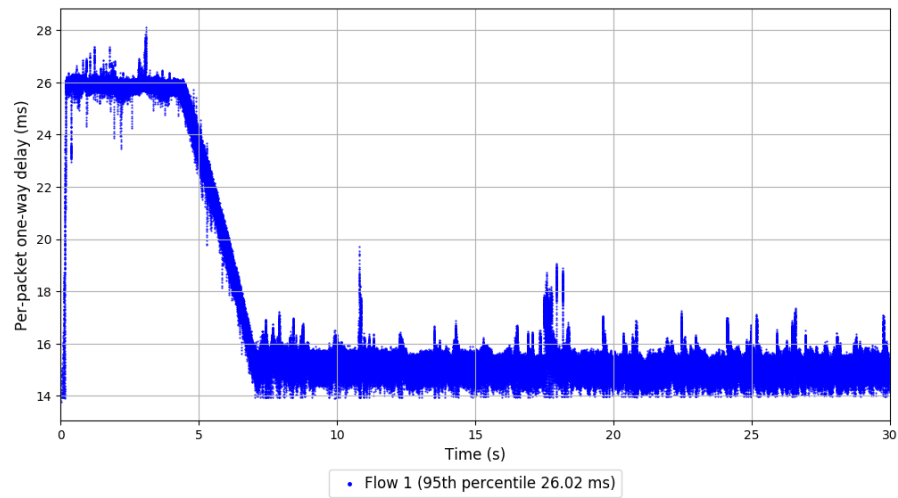
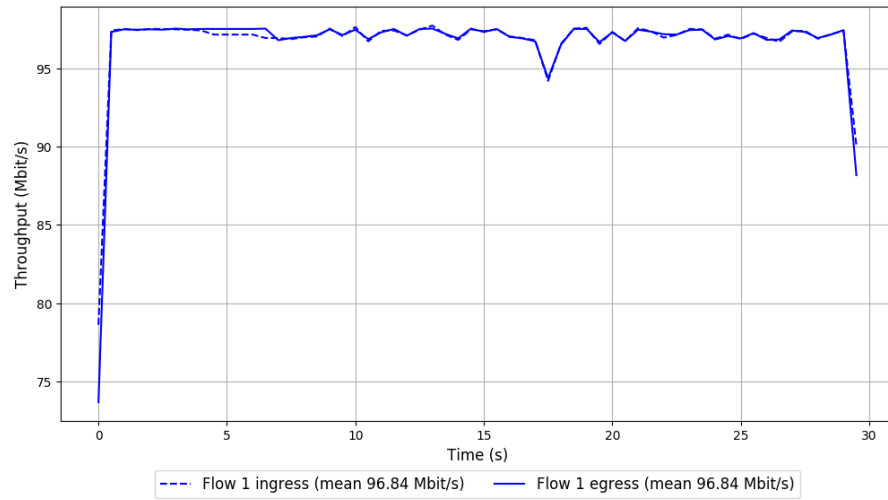
-- Flow 1:

Average throughput: 96.84 Mbit/s

95th percentile per-packet one-way delay: 26.019 ms

Loss rate: 0.08%

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

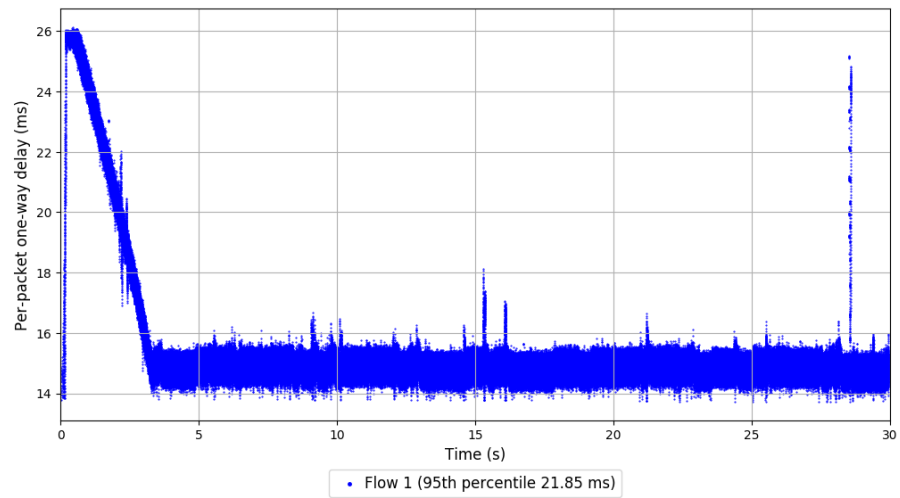
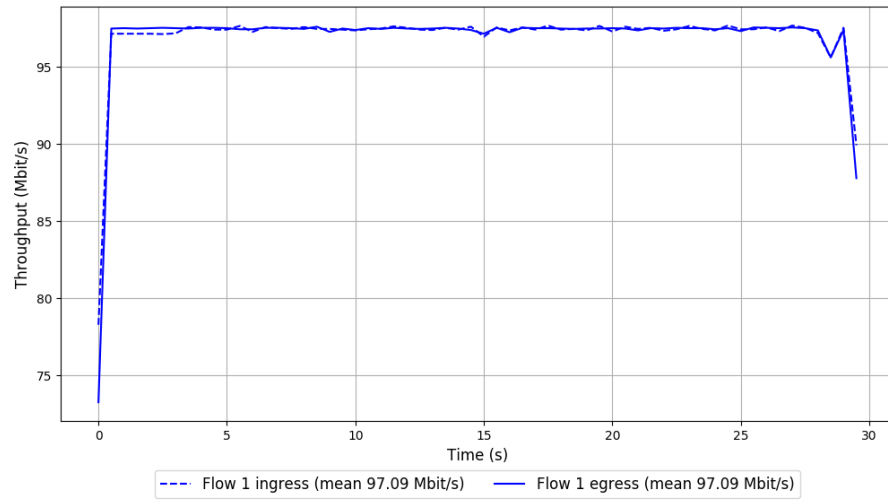


Run 2: Statistics of TCP Vegas

Start at: 2018-04-17 02:02:33  
End at: 2018-04-17 02:03:03  
Local clock offset: -13.296 ms  
Remote clock offset: -9.21 ms

# Below is generated by plot.py at 2018-04-17 08:23:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 97.09 Mbit/s  
95th percentile per-packet one-way delay: 21.849 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 97.09 Mbit/s  
95th percentile per-packet one-way delay: 21.849 ms  
Loss rate: 0.09%

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



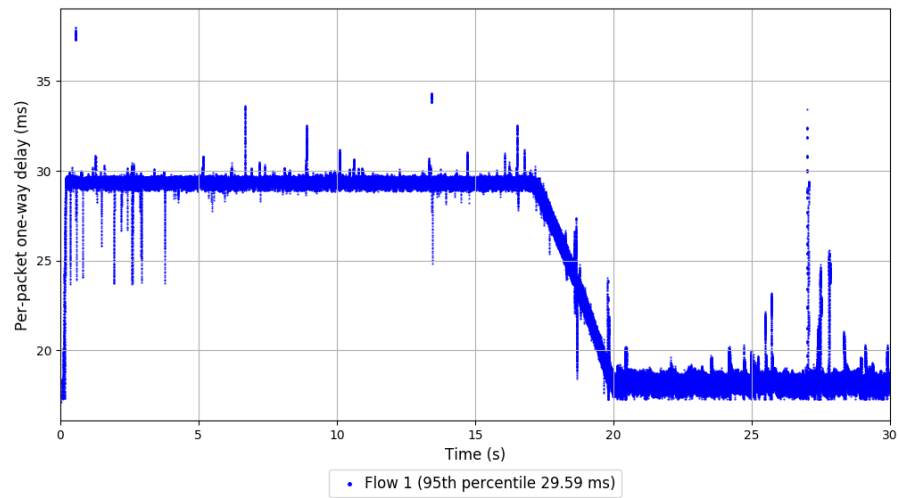
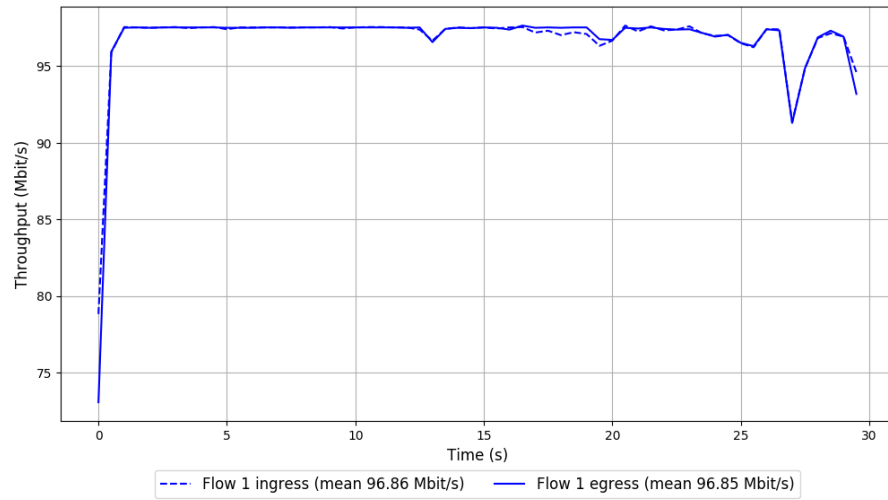
Run 3: Statistics of TCP Vegas

Start at: 2018-04-17 02:22:28  
End at: 2018-04-17 02:22:58  
Local clock offset: -12.769 ms  
Remote clock offset: -14.821 ms

# Below is generated by plot.py at 2018-04-17 08:23:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.85 Mbit/s  
95th percentile per-packet one-way delay: 29.591 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 96.85 Mbit/s  
95th percentile per-packet one-way delay: 29.591 ms  
Loss rate: 0.08%



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

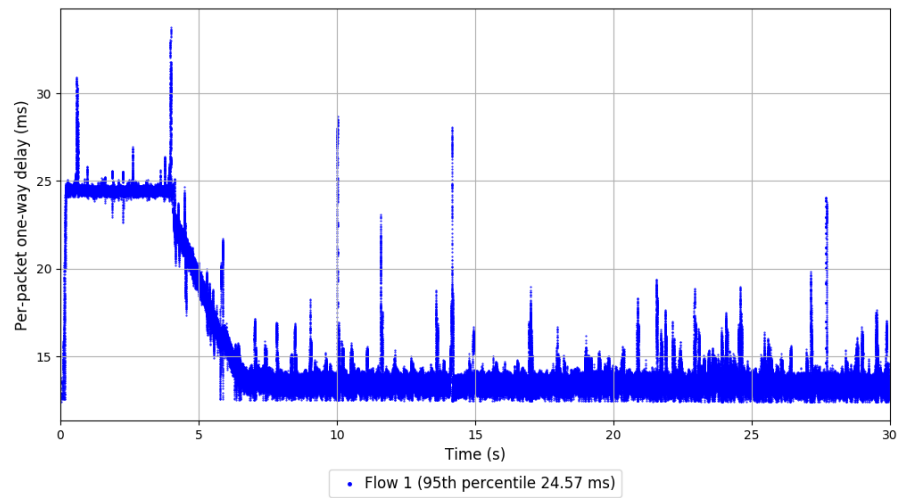
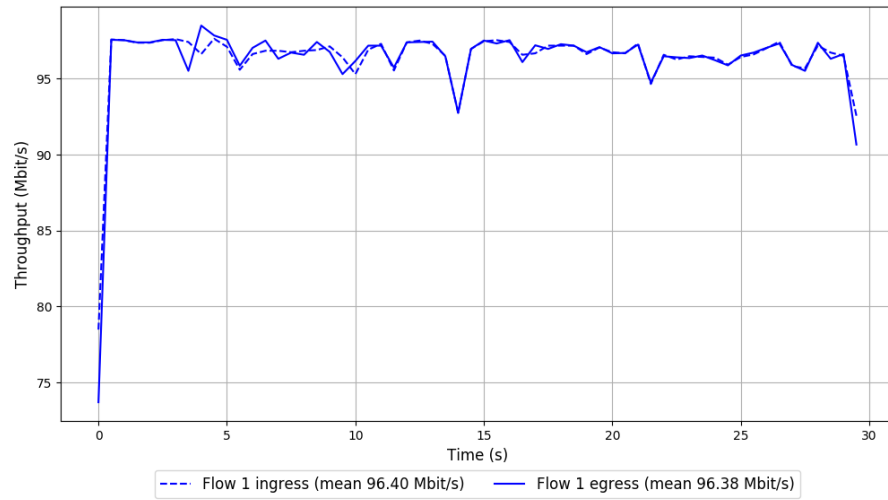


Run 4: Statistics of TCP Vegas

Start at: 2018-04-17 02:42:36  
End at: 2018-04-17 02:43:06  
Local clock offset: -12.691 ms  
Remote clock offset: -14.891 ms

# Below is generated by plot.py at 2018-04-17 08:23:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.38 Mbit/s  
95th percentile per-packet one-way delay: 24.571 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 96.38 Mbit/s  
95th percentile per-packet one-way delay: 24.571 ms  
Loss rate: 0.10%

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

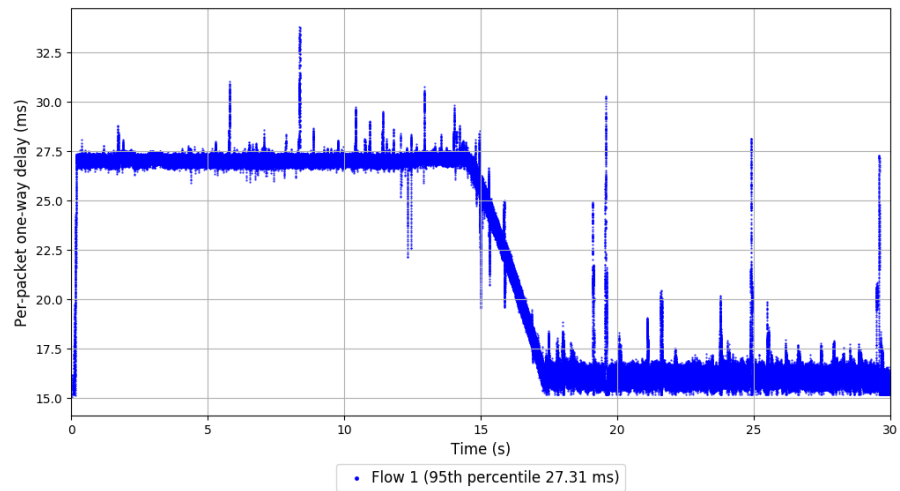
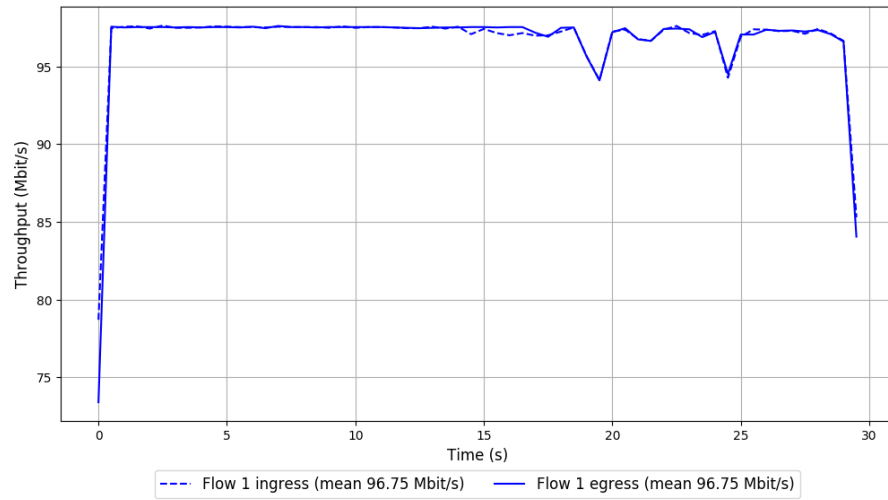


Run 5: Statistics of TCP Vegas

Start at: 2018-04-17 03:03:18  
End at: 2018-04-17 03:03:48  
Local clock offset: -8.392 ms  
Remote clock offset: -12.558 ms

# Below is generated by plot.py at 2018-04-17 08:23:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.75 Mbit/s  
95th percentile per-packet one-way delay: 27.306 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 96.75 Mbit/s  
95th percentile per-packet one-way delay: 27.306 ms  
Loss rate: 0.08%

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

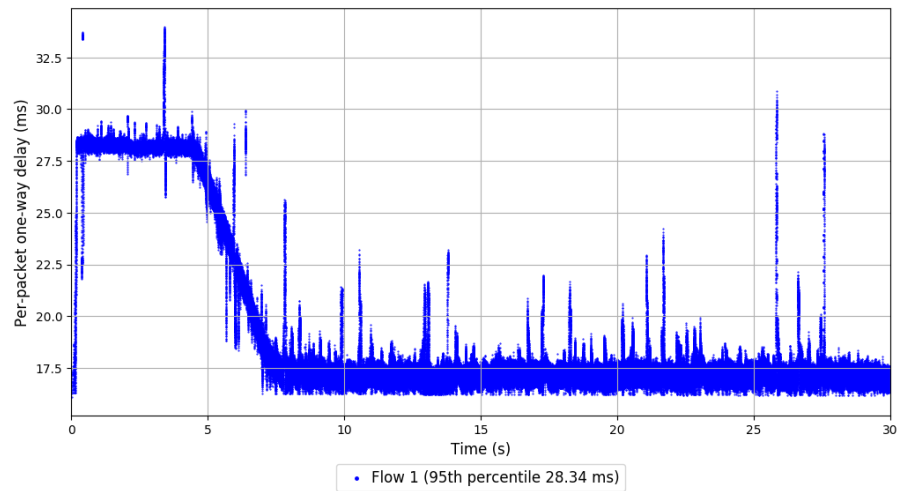
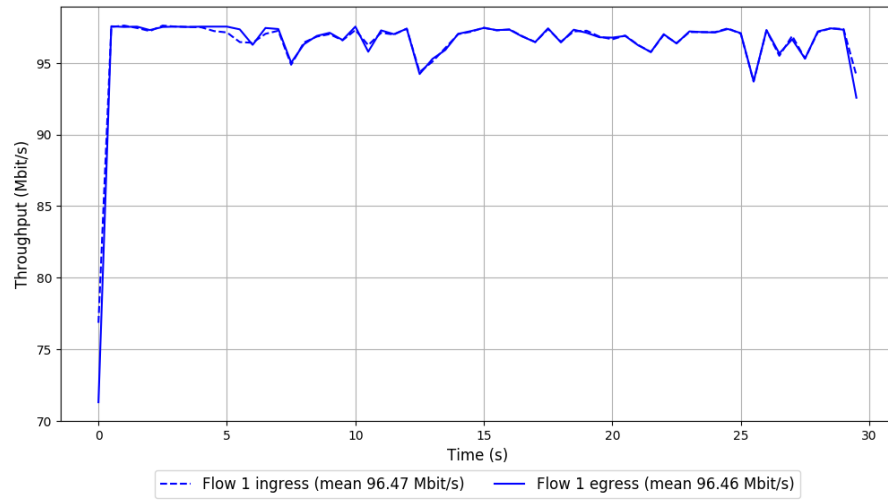


Run 6: Statistics of TCP Vegas

Start at: 2018-04-17 03:23:53  
End at: 2018-04-17 03:24:23  
Local clock offset: -0.865 ms  
Remote clock offset: -11.63 ms

# Below is generated by plot.py at 2018-04-17 08:23:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.46 Mbit/s  
95th percentile per-packet one-way delay: 28.342 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 96.46 Mbit/s  
95th percentile per-packet one-way delay: 28.342 ms  
Loss rate: 0.09%

# Run 6: Report of TCP Vegas — Data Link



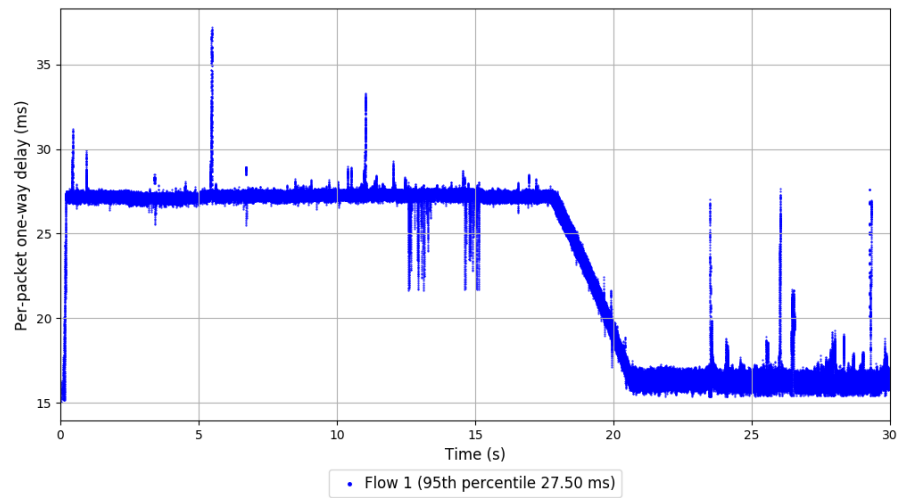
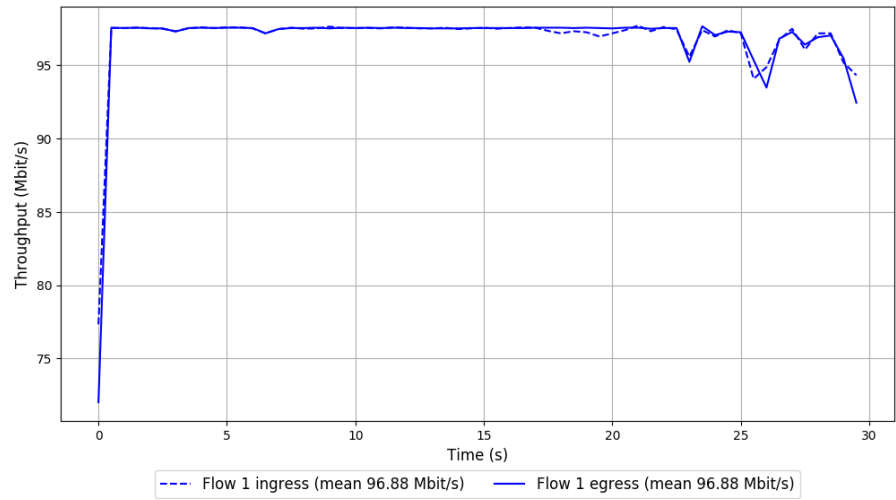
Run 7: Statistics of TCP Vegas

Start at: 2018-04-17 03:44:48  
End at: 2018-04-17 03:45:18  
Local clock offset: -1.368 ms  
Remote clock offset: -10.851 ms

# Below is generated by plot.py at 2018-04-17 08:23:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.88 Mbit/s  
95th percentile per-packet one-way delay: 27.495 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 96.88 Mbit/s  
95th percentile per-packet one-way delay: 27.495 ms  
Loss rate: 0.09%



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

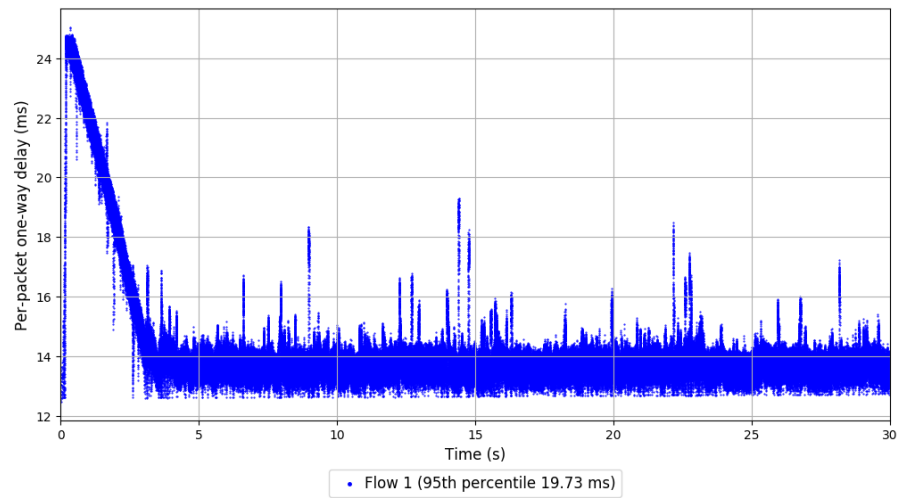
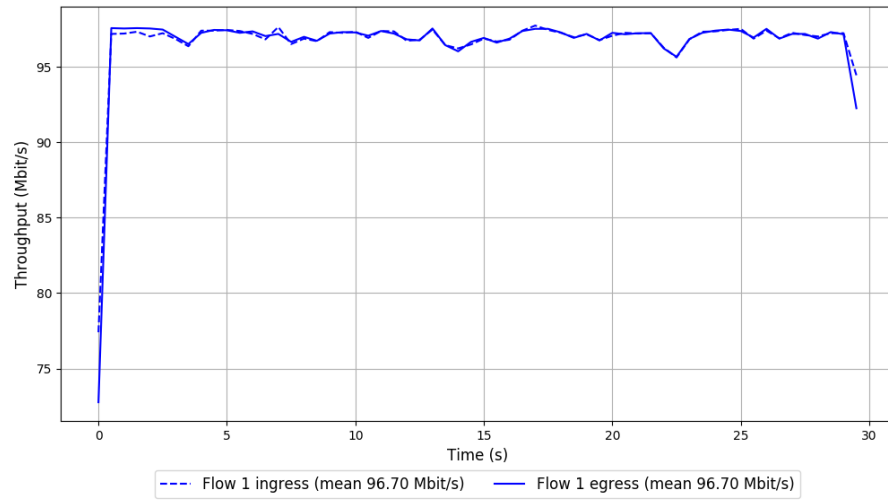


Run 8: Statistics of TCP Vegas

Start at: 2018-04-17 04:05:32  
End at: 2018-04-17 04:06:02  
Local clock offset: -8.784 ms  
Remote clock offset: -9.815 ms

# Below is generated by plot.py at 2018-04-17 08:23:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.70 Mbit/s  
95th percentile per-packet one-way delay: 19.735 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 96.70 Mbit/s  
95th percentile per-packet one-way delay: 19.735 ms  
Loss rate: 0.09%

# Run 8: Report of TCP Vegas — Data Link



Run 9: Statistics of TCP Vegas

Start at: 2018-04-17 04:26:19

End at: 2018-04-17 04:26:49

Local clock offset: -3.794 ms

Remote clock offset: -8.11 ms

# Below is generated by plot.py at 2018-04-17 08:23:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.48 Mbit/s

95th percentile per-packet one-way delay: 28.113 ms

Loss rate: 0.09%

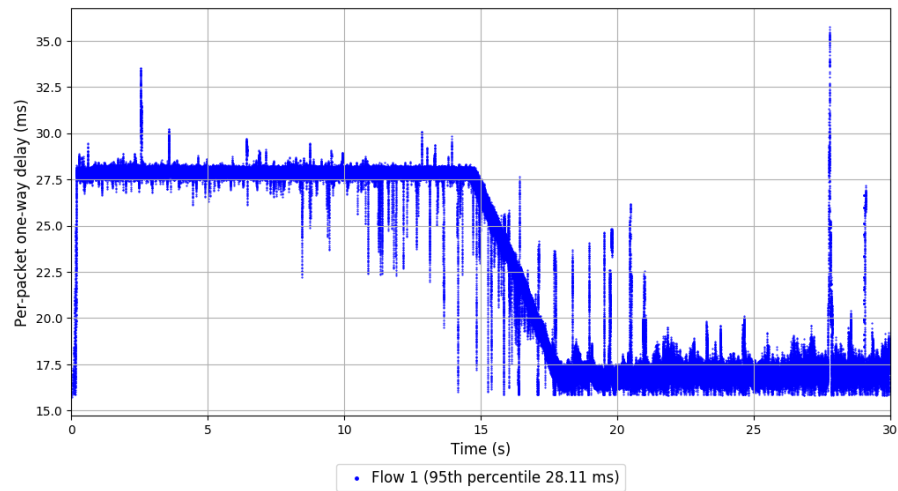
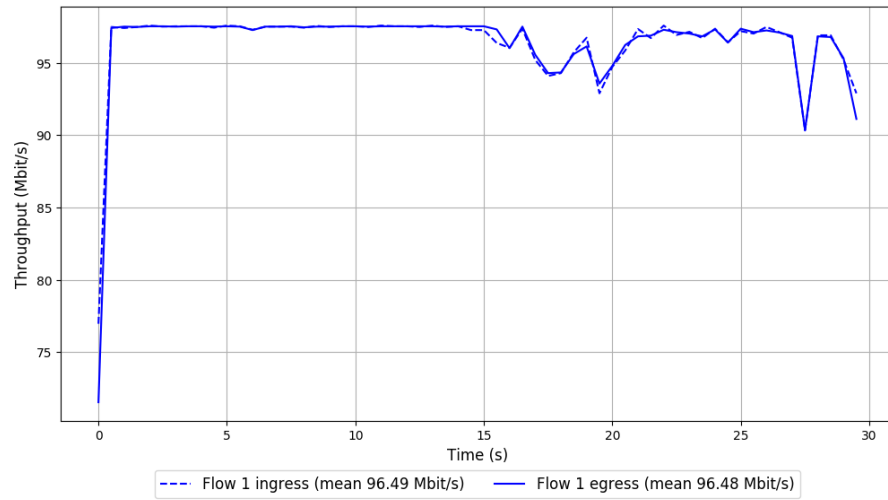
-- Flow 1:

Average throughput: 96.48 Mbit/s

95th percentile per-packet one-way delay: 28.113 ms

Loss rate: 0.09%

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

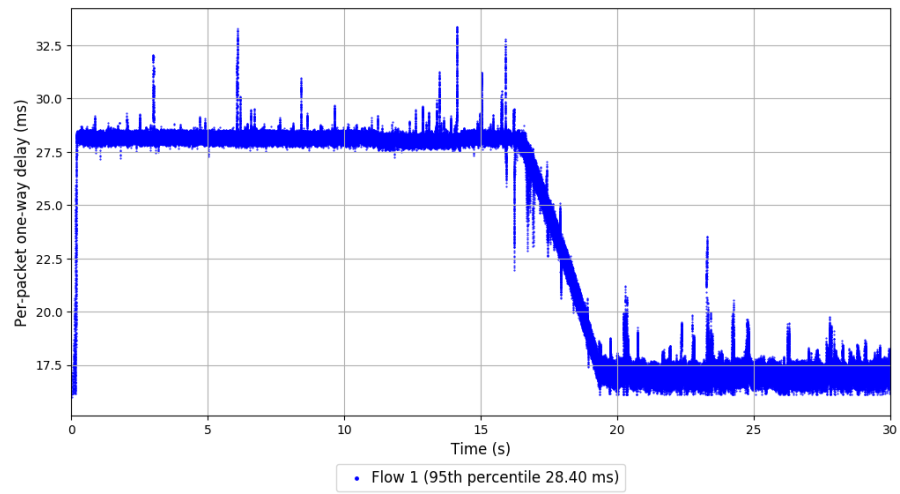
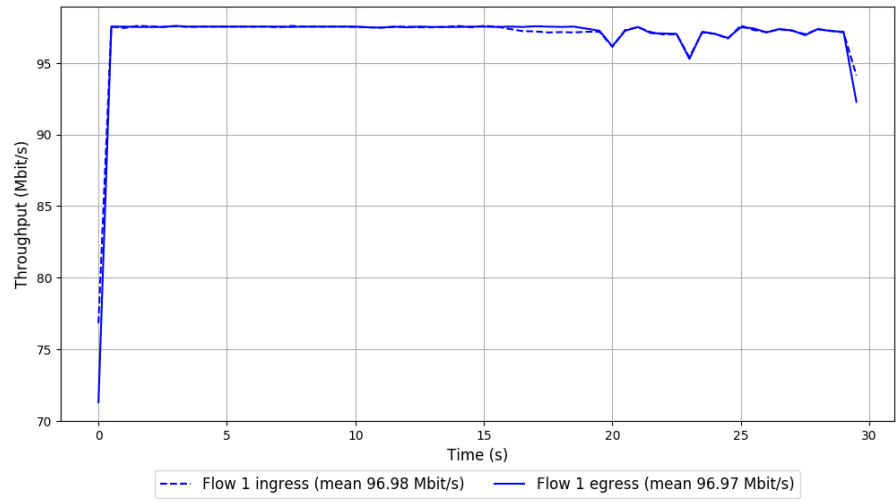


Run 10: Statistics of TCP Vegas

Start at: 2018-04-17 04:46:53  
End at: 2018-04-17 04:47:23  
Local clock offset: -2.068 ms  
Remote clock offset: -8.532 ms

# Below is generated by plot.py at 2018-04-17 08:23:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.97 Mbit/s  
95th percentile per-packet one-way delay: 28.396 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 96.97 Mbit/s  
95th percentile per-packet one-way delay: 28.396 ms  
Loss rate: 0.09%

# Run 10: Report of TCP Vegas — Data Link



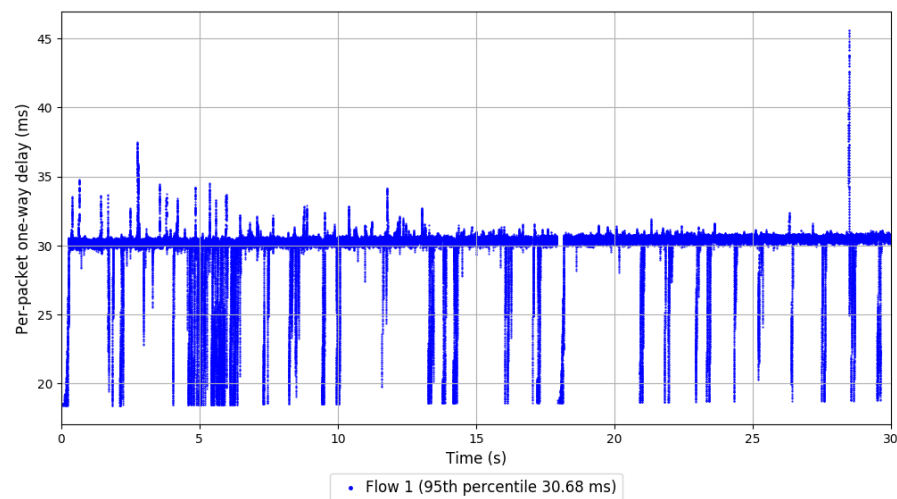
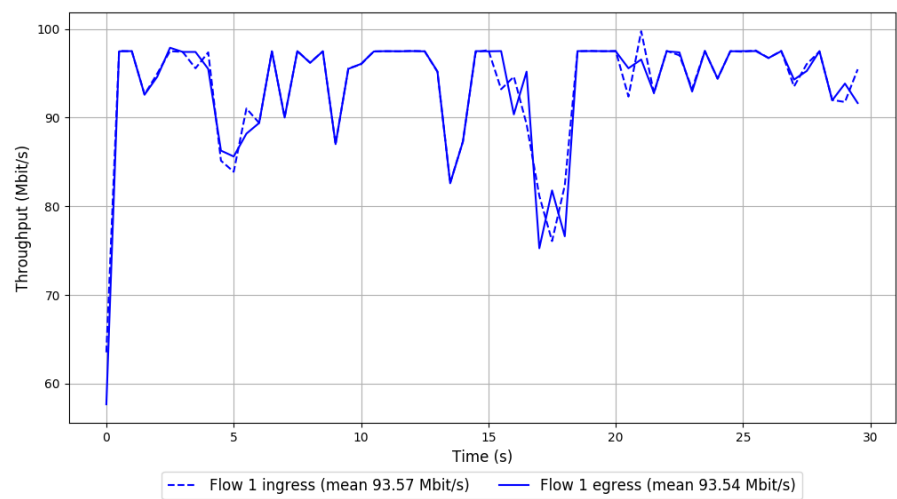
Run 1: Statistics of Verus

Start at: 2018-04-17 01:26:00  
End at: 2018-04-17 01:26:30  
Local clock offset: -5.254 ms  
Remote clock offset: -4.388 ms

# Below is generated by plot.py at 2018-04-17 08:23:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.54 Mbit/s  
95th percentile per-packet one-way delay: 30.684 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 93.54 Mbit/s  
95th percentile per-packet one-way delay: 30.684 ms  
Loss rate: 0.14%



Run 1: Report of Verus — Data Link

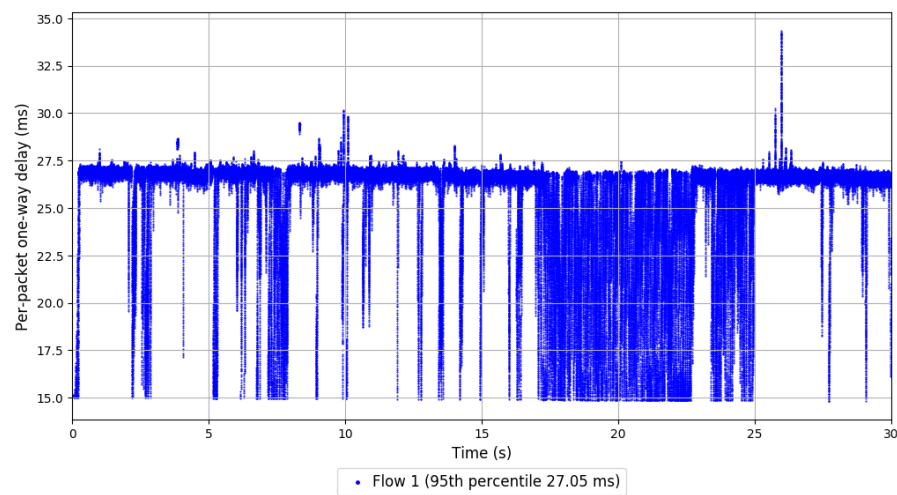
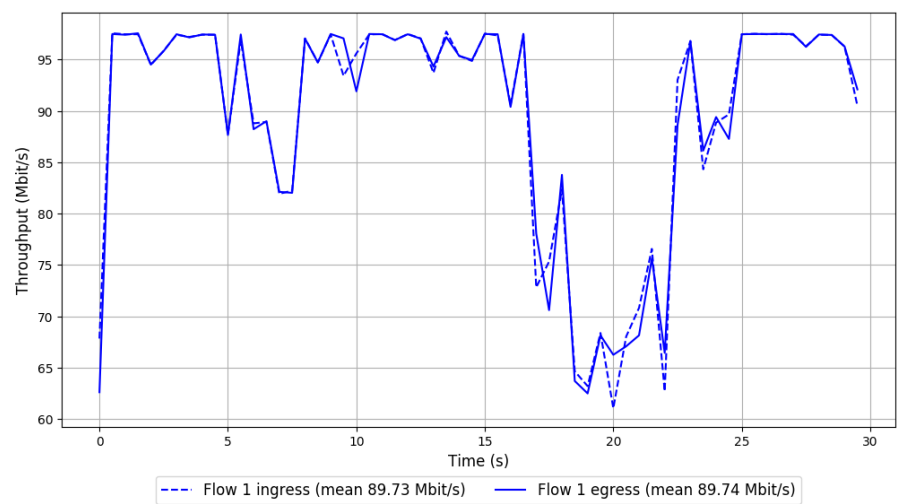


Run 2: Statistics of Verus

Start at: 2018-04-17 01:45:47  
End at: 2018-04-17 01:46:17  
Local clock offset: -11.961 ms  
Remote clock offset: -4.989 ms

# Below is generated by plot.py at 2018-04-17 08:24:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.74 Mbit/s  
95th percentile per-packet one-way delay: 27.053 ms  
Loss rate: 0.07%  
-- Flow 1:  
Average throughput: 89.74 Mbit/s  
95th percentile per-packet one-way delay: 27.053 ms  
Loss rate: 0.07%

Run 2: Report of Verus — Data Link

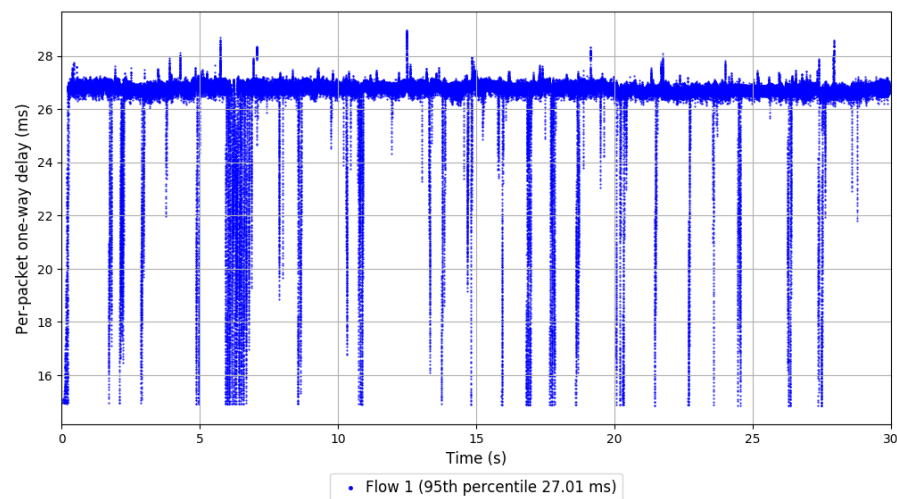
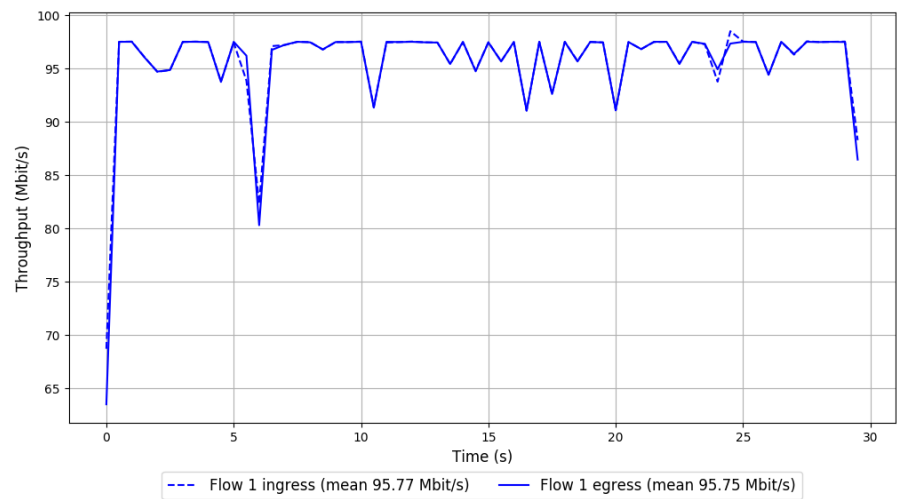


Run 3: Statistics of Verus

Start at: 2018-04-17 02:06:00  
End at: 2018-04-17 02:06:30  
Local clock offset: -12.926 ms  
Remote clock offset: -10.652 ms

# Below is generated by plot.py at 2018-04-17 08:24:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.75 Mbit/s  
95th percentile per-packet one-way delay: 27.007 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 95.75 Mbit/s  
95th percentile per-packet one-way delay: 27.007 ms  
Loss rate: 0.12%

Run 3: Report of Verus — Data Link

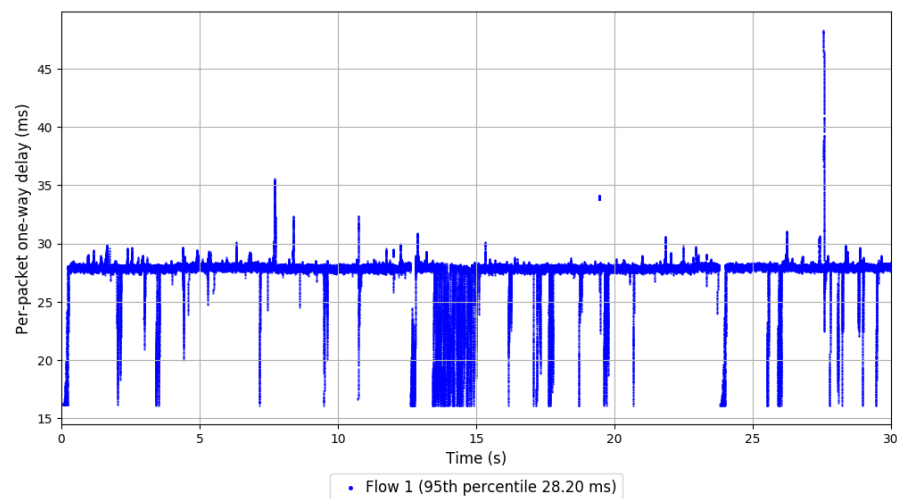
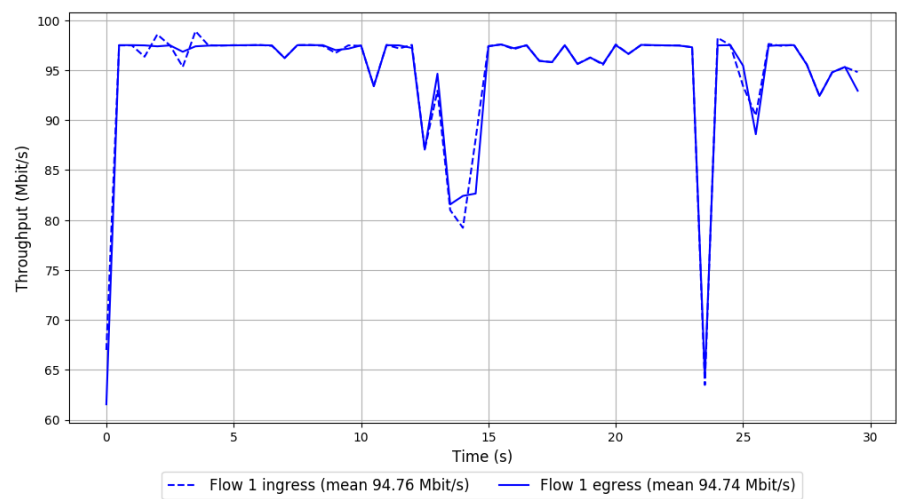


Run 4: Statistics of Verus

Start at: 2018-04-17 02:25:57  
End at: 2018-04-17 02:26:27  
Local clock offset: -12.791 ms  
Remote clock offset: -13.933 ms

# Below is generated by plot.py at 2018-04-17 08:24:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.74 Mbit/s  
95th percentile per-packet one-way delay: 28.196 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 94.74 Mbit/s  
95th percentile per-packet one-way delay: 28.196 ms  
Loss rate: 0.13%

Run 4: Report of Verus — Data Link



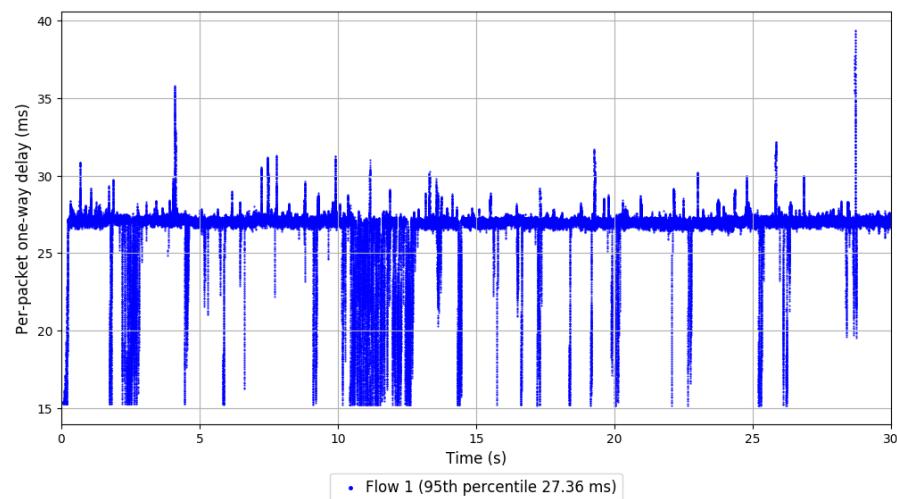
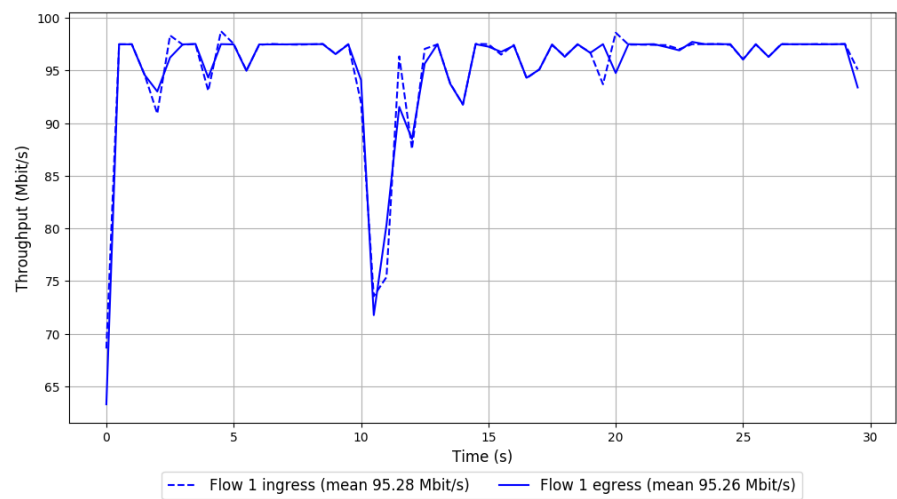
Run 5: Statistics of Verus

Start at: 2018-04-17 02:46:15  
End at: 2018-04-17 02:46:45  
Local clock offset: -8.251 ms  
Remote clock offset: -14.189 ms

# Below is generated by plot.py at 2018-04-17 08:25:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.26 Mbit/s  
95th percentile per-packet one-way delay: 27.365 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 95.26 Mbit/s  
95th percentile per-packet one-way delay: 27.365 ms  
Loss rate: 0.12%



Run 5: Report of Verus — Data Link

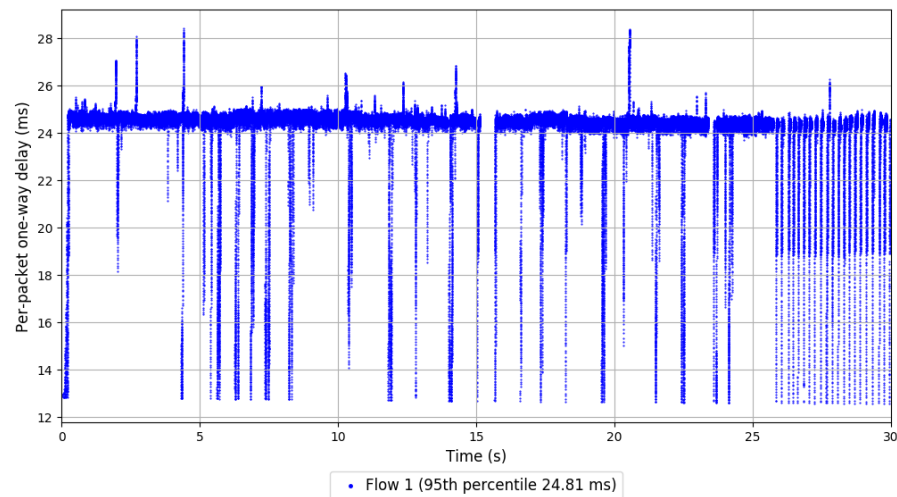
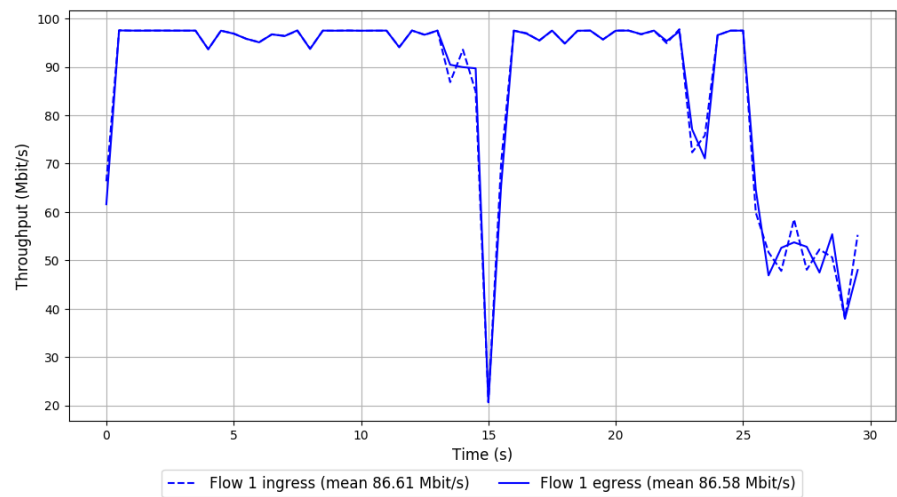


Run 6: Statistics of Verus

Start at: 2018-04-17 03:06:53  
End at: 2018-04-17 03:07:23  
Local clock offset: -9.732 ms  
Remote clock offset: -11.441 ms

# Below is generated by plot.py at 2018-04-17 08:25:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.58 Mbit/s  
95th percentile per-packet one-way delay: 24.807 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 86.58 Mbit/s  
95th percentile per-packet one-way delay: 24.807 ms  
Loss rate: 0.14%

Run 6: Report of Verus — Data Link

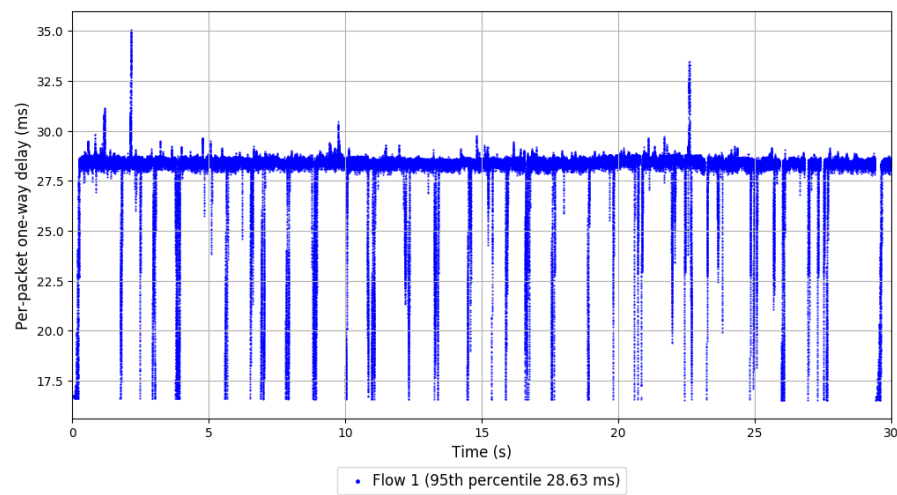
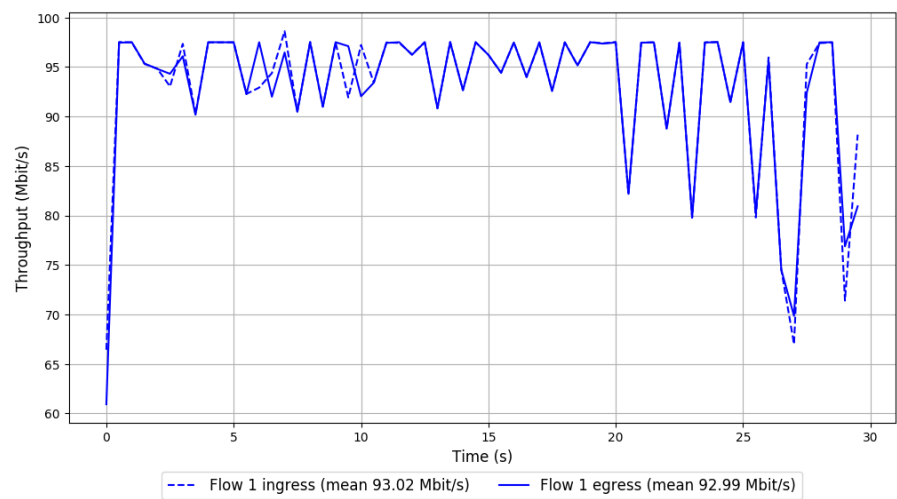


Run 7: Statistics of Verus

Start at: 2018-04-17 03:27:24  
End at: 2018-04-17 03:27:54  
Local clock offset: 0.269 ms  
Remote clock offset: -11.479 ms

# Below is generated by plot.py at 2018-04-17 08:25:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.99 Mbit/s  
95th percentile per-packet one-way delay: 28.632 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 92.99 Mbit/s  
95th percentile per-packet one-way delay: 28.632 ms  
Loss rate: 0.13%

Run 7: Report of Verus — Data Link

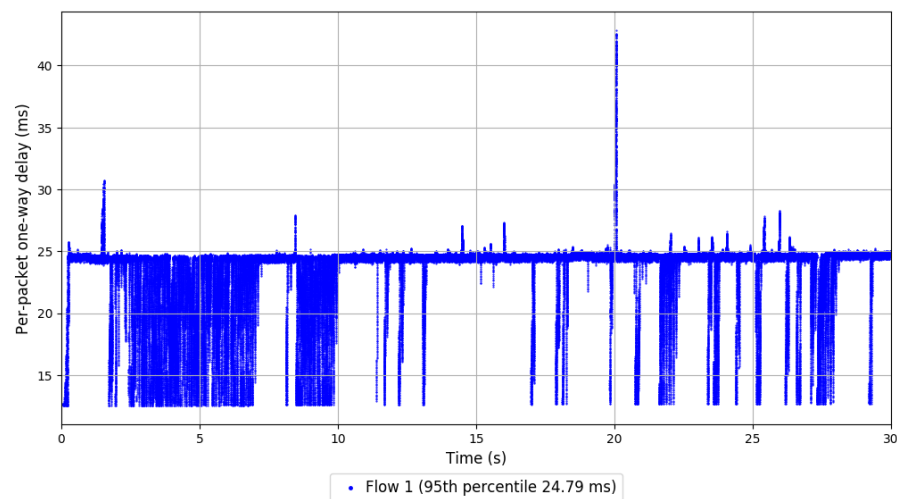
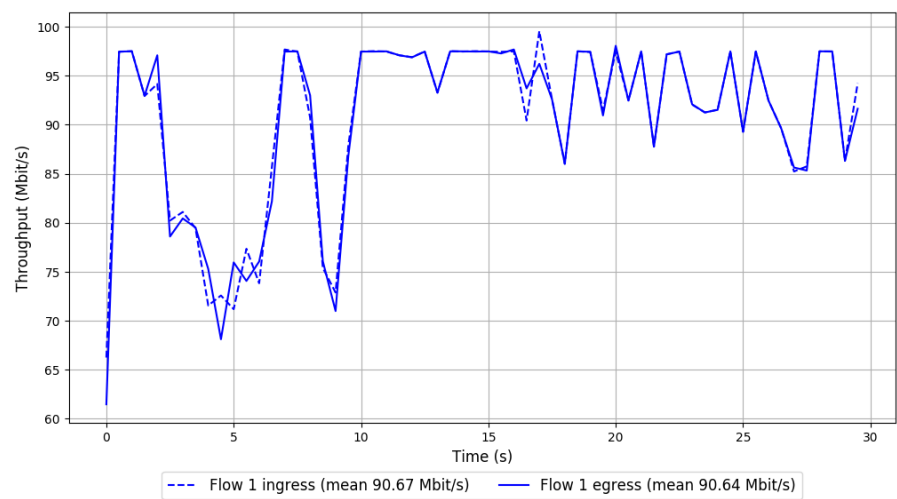


Run 8: Statistics of Verus

Start at: 2018-04-17 03:48:18  
End at: 2018-04-17 03:48:48  
Local clock offset: -5.335 ms  
Remote clock offset: -10.394 ms

# Below is generated by plot.py at 2018-04-17 08:25:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.64 Mbit/s  
95th percentile per-packet one-way delay: 24.794 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 90.64 Mbit/s  
95th percentile per-packet one-way delay: 24.794 ms  
Loss rate: 0.14%

Run 8: Report of Verus — Data Link



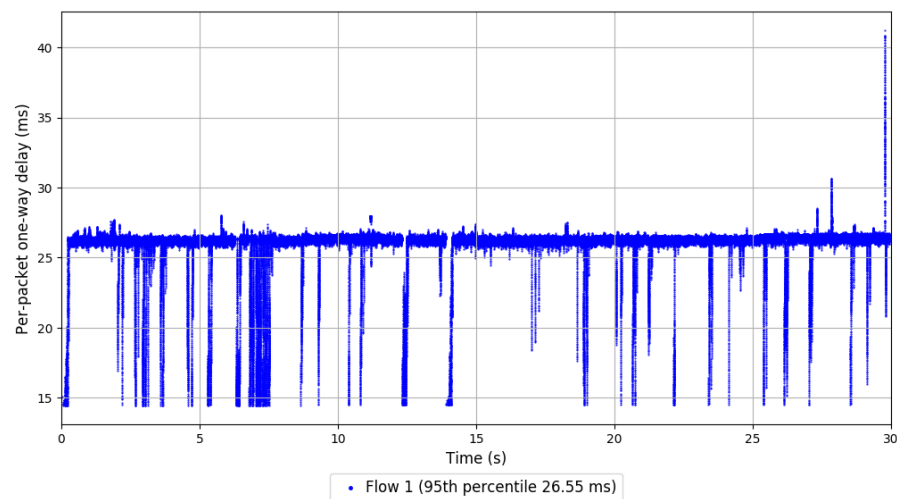
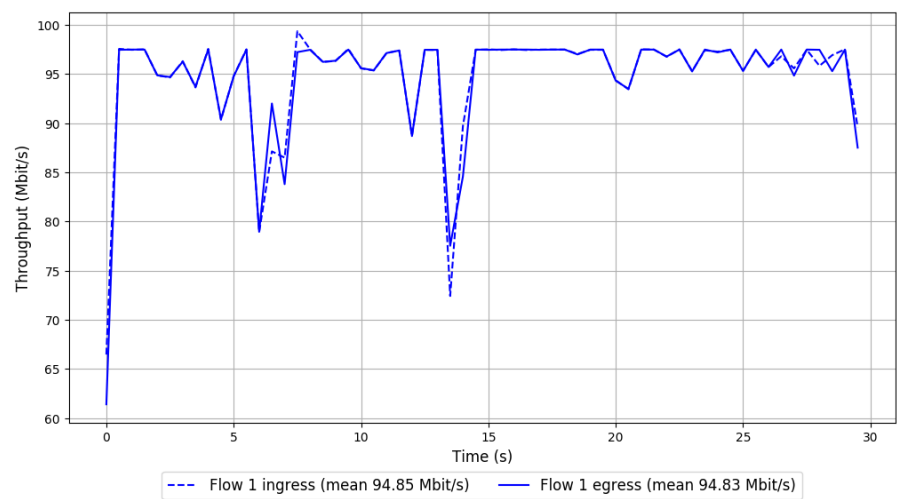
Run 9: Statistics of Verus

Start at: 2018-04-17 04:09:03  
End at: 2018-04-17 04:09:33  
Local clock offset: -6.498 ms  
Remote clock offset: -8.605 ms

# Below is generated by plot.py at 2018-04-17 08:25:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.83 Mbit/s  
95th percentile per-packet one-way delay: 26.554 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 94.83 Mbit/s  
95th percentile per-packet one-way delay: 26.554 ms  
Loss rate: 0.13%



Run 9: Report of Verus — Data Link

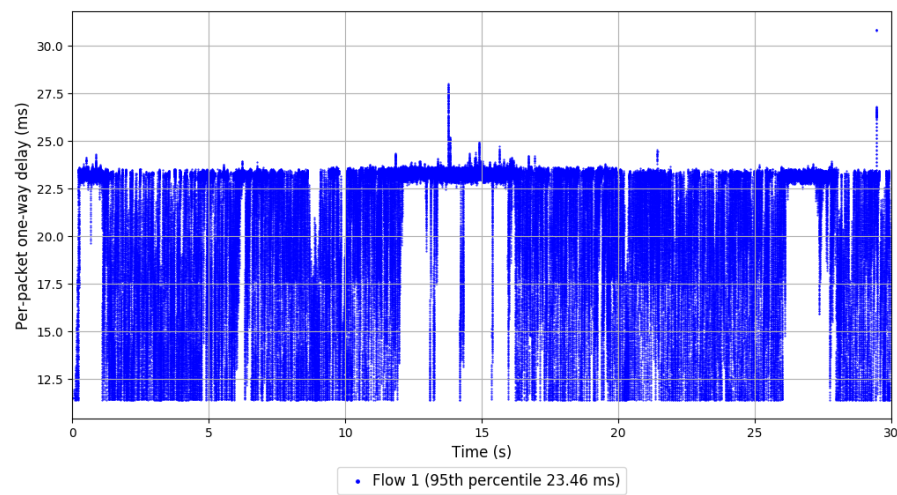
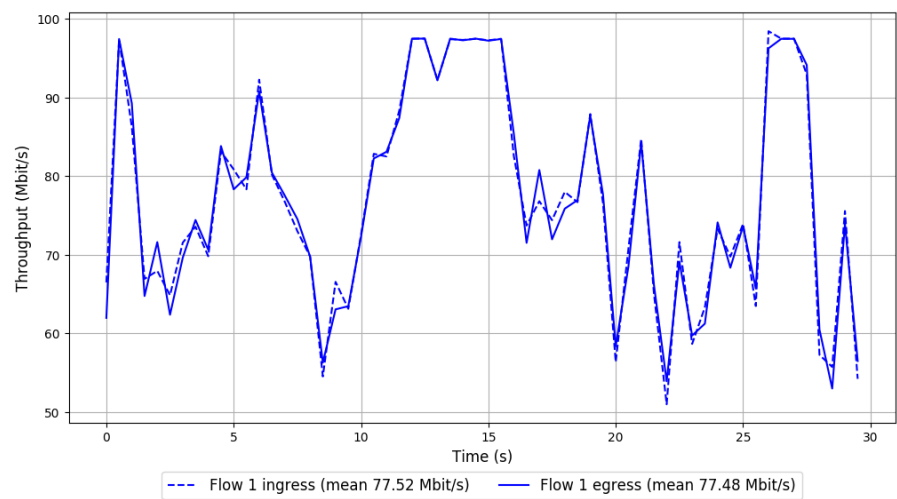


Run 10: Statistics of Verus

Start at: 2018-04-17 04:29:54  
End at: 2018-04-17 04:30:24  
Local clock offset: -6.749 ms  
Remote clock offset: -6.822 ms

# Below is generated by plot.py at 2018-04-17 08:25:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 77.48 Mbit/s  
95th percentile per-packet one-way delay: 23.460 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 77.48 Mbit/s  
95th percentile per-packet one-way delay: 23.460 ms  
Loss rate: 0.05%

Run 10: Report of Verus — Data Link

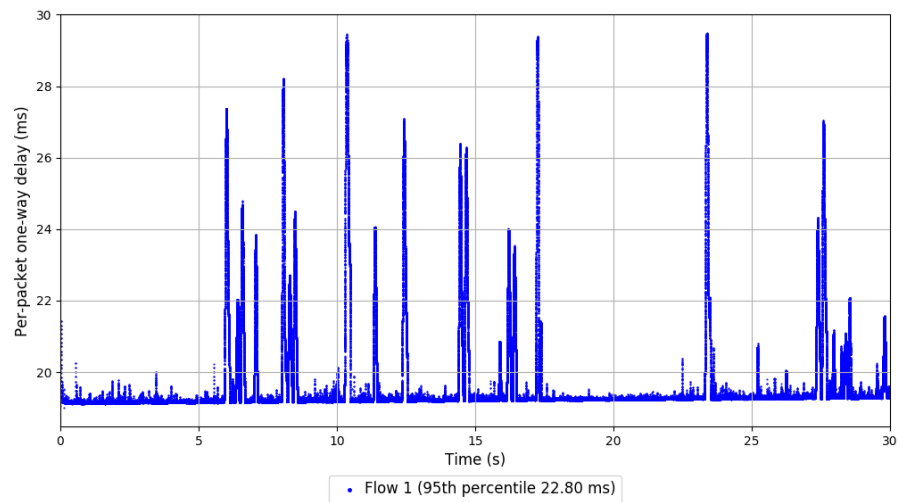
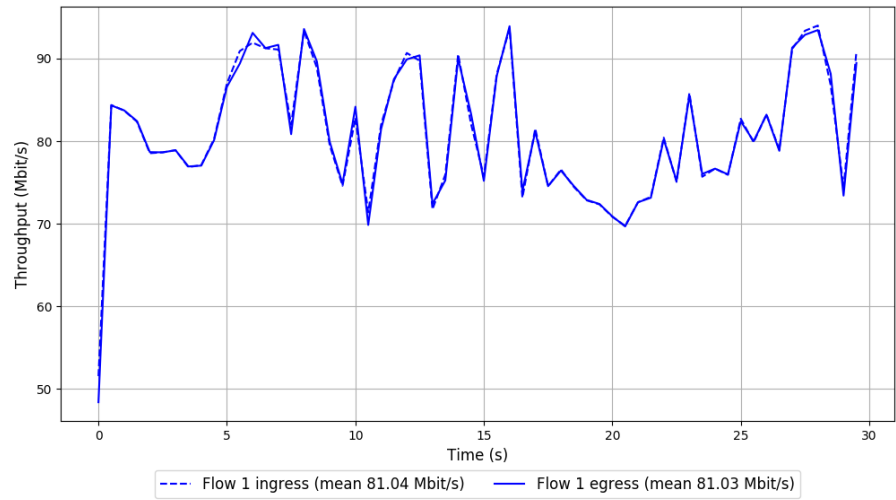


Run 1: Statistics of Copa

Start at: 2018-04-17 01:35:25  
End at: 2018-04-17 01:35:55  
Local clock offset: -8.93 ms  
Remote clock offset: -4.101 ms

# Below is generated by plot.py at 2018-04-17 08:26:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.03 Mbit/s  
95th percentile per-packet one-way delay: 22.799 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 81.03 Mbit/s  
95th percentile per-packet one-way delay: 22.799 ms  
Loss rate: 0.10%

### Run 1: Report of Copa — Data Link

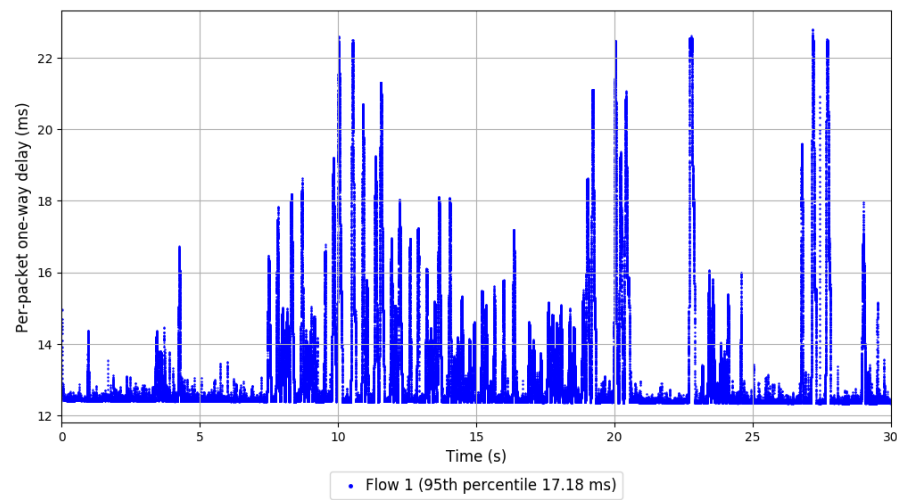
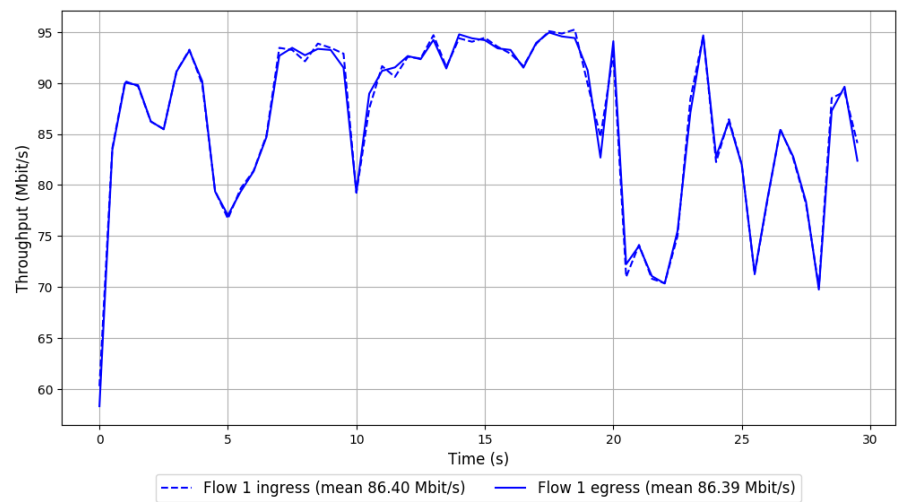


Run 2: Statistics of Copa

Start at: 2018-04-17 01:55:24  
End at: 2018-04-17 01:55:54  
Local clock offset: -14.969 ms  
Remote clock offset: -7.897 ms

# Below is generated by plot.py at 2018-04-17 08:27:16  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.39 Mbit/s  
95th percentile per-packet one-way delay: 17.176 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 86.39 Mbit/s  
95th percentile per-packet one-way delay: 17.176 ms  
Loss rate: 0.08%

Run 2: Report of Copa — Data Link



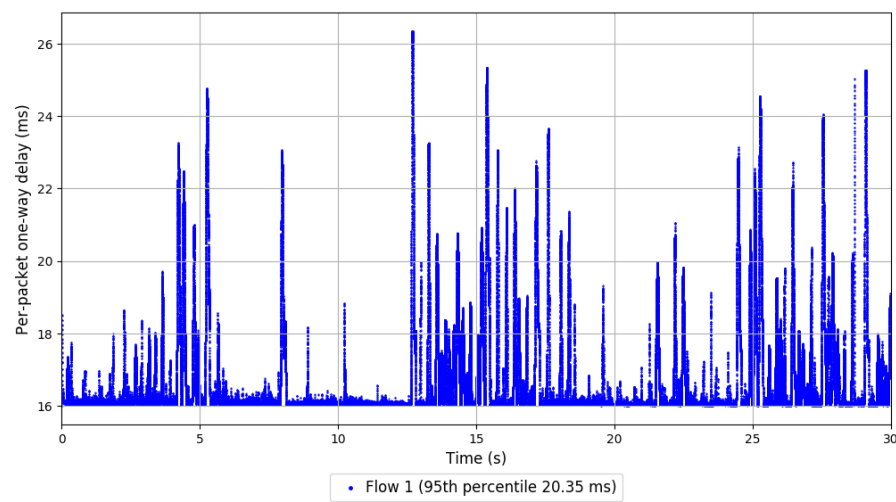
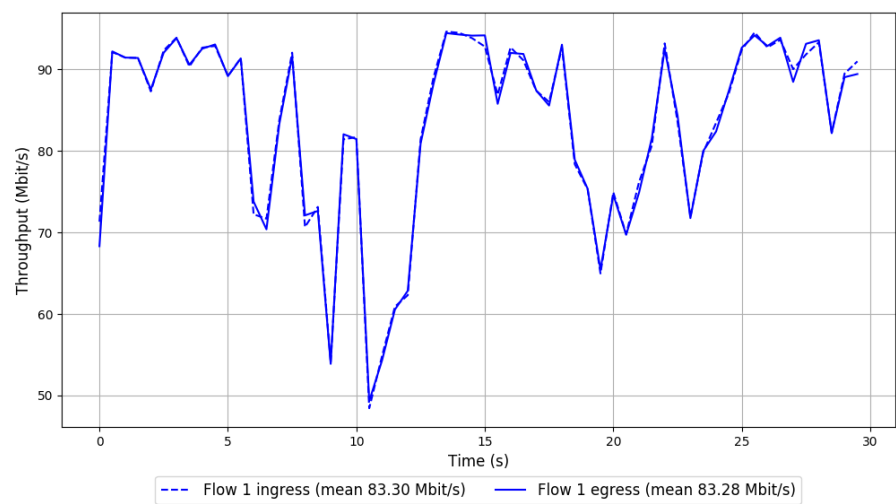
Run 3: Statistics of Copa

Start at: 2018-04-17 02:15:32  
End at: 2018-04-17 02:16:02  
Local clock offset: -11.509 ms  
Remote clock offset: -11.631 ms

# Below is generated by plot.py at 2018-04-17 08:27:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.28 Mbit/s  
95th percentile per-packet one-way delay: 20.353 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 83.28 Mbit/s  
95th percentile per-packet one-way delay: 20.353 ms  
Loss rate: 0.10%



Run 3: Report of Copa — Data Link

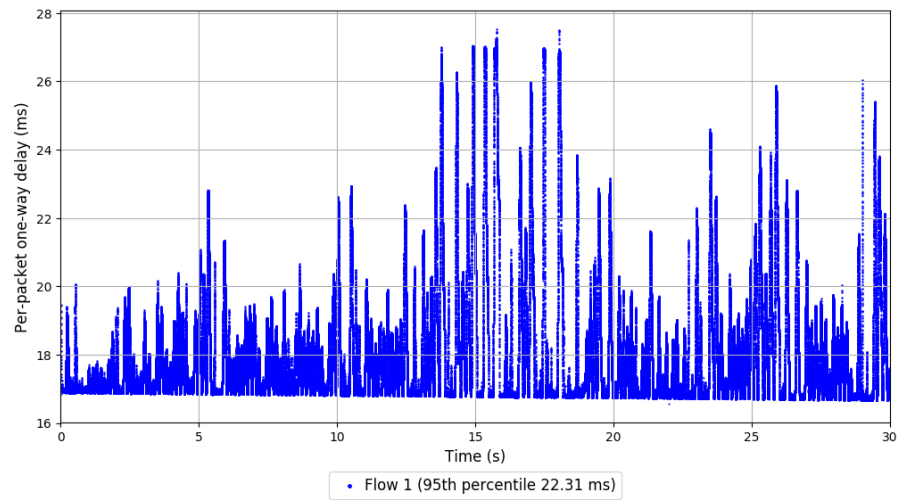
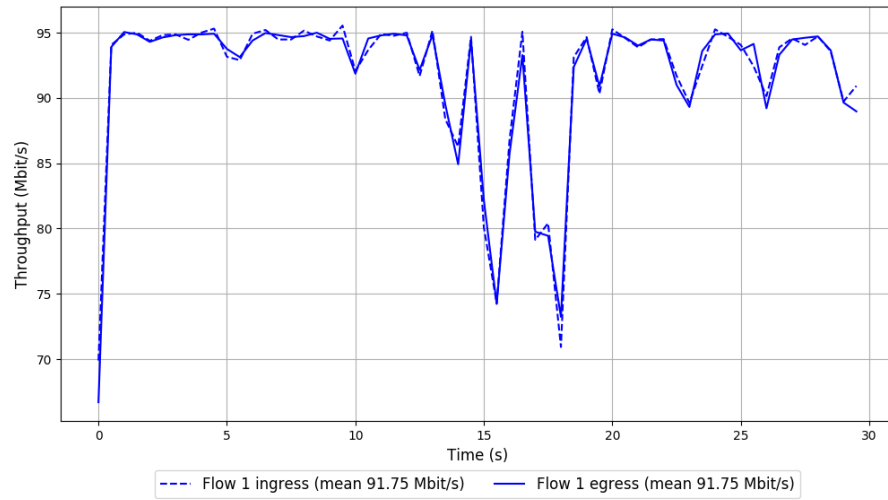


Run 4: Statistics of Copa

Start at: 2018-04-17 02:35:35  
End at: 2018-04-17 02:36:05  
Local clock offset: -12.178 ms  
Remote clock offset: -16.194 ms

# Below is generated by plot.py at 2018-04-17 08:27:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.75 Mbit/s  
95th percentile per-packet one-way delay: 22.309 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 91.75 Mbit/s  
95th percentile per-packet one-way delay: 22.309 ms  
Loss rate: 0.09%

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

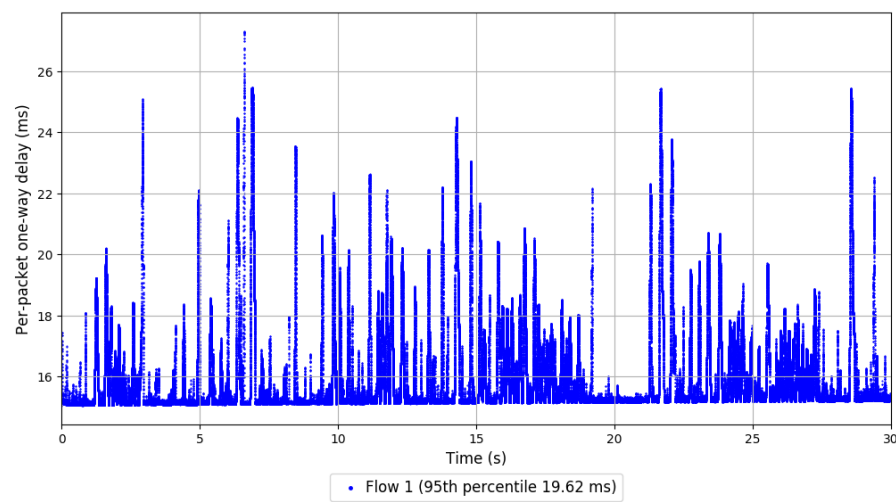
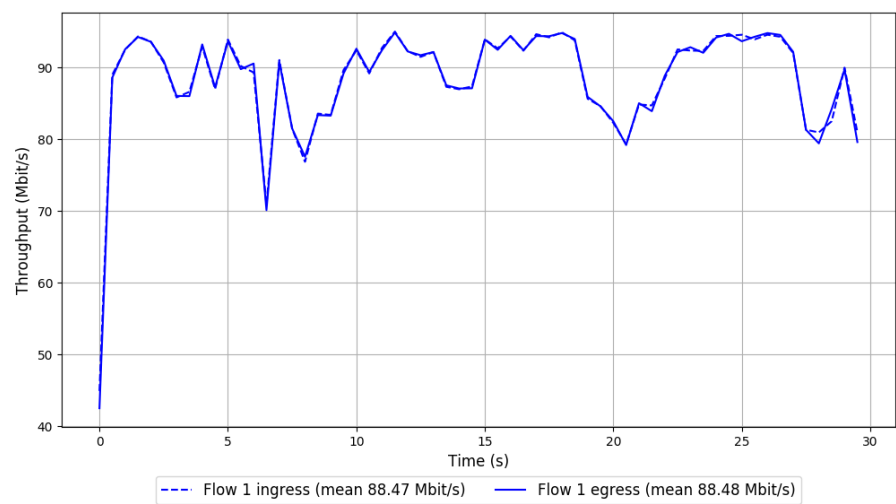


Run 5: Statistics of Copa

Start at: 2018-04-17 02:56:17  
End at: 2018-04-17 02:56:47  
Local clock offset: -8.595 ms  
Remote clock offset: -14.023 ms

# Below is generated by plot.py at 2018-04-17 08:27:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.48 Mbit/s  
95th percentile per-packet one-way delay: 19.625 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 88.48 Mbit/s  
95th percentile per-packet one-way delay: 19.625 ms  
Loss rate: 0.08%

Run 5: Report of Copa — Data Link

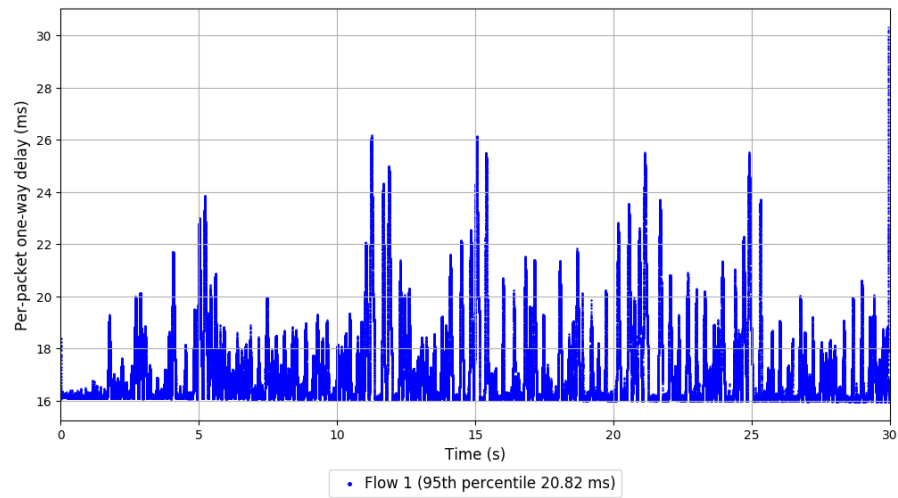
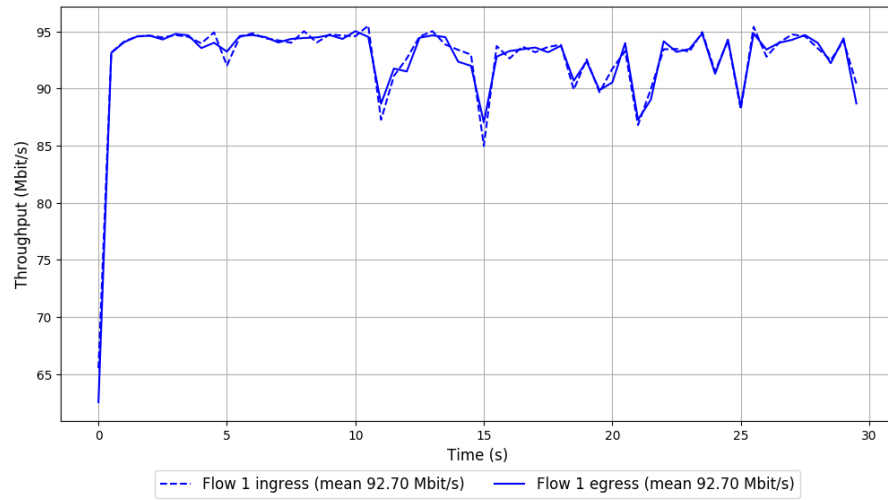


Run 6: Statistics of Copa

Start at: 2018-04-17 03:16:45  
End at: 2018-04-17 03:17:15  
Local clock offset: -2.145 ms  
Remote clock offset: -11.117 ms

# Below is generated by plot.py at 2018-04-17 08:27:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.70 Mbit/s  
95th percentile per-packet one-way delay: 20.821 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 92.70 Mbit/s  
95th percentile per-packet one-way delay: 20.821 ms  
Loss rate: 0.08%

## Run 6: Report of Copa — Data Link



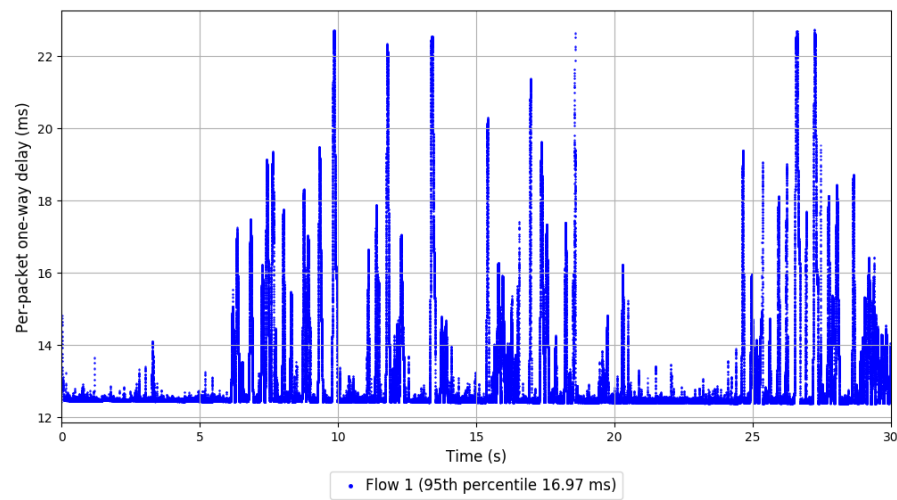
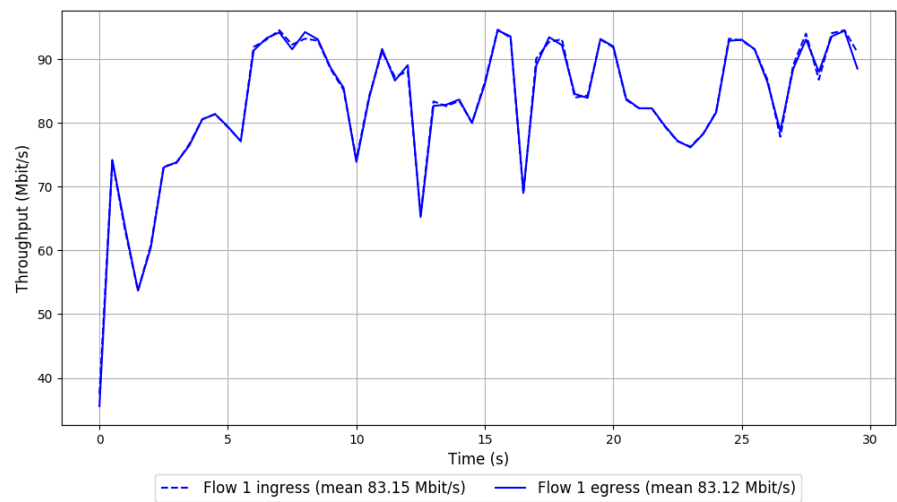
Run 7: Statistics of Copa

Start at: 2018-04-17 03:37:38  
End at: 2018-04-17 03:38:08  
Local clock offset: -1.654 ms  
Remote clock offset: -10.863 ms

# Below is generated by plot.py at 2018-04-17 08:27:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.12 Mbit/s  
95th percentile per-packet one-way delay: 16.971 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 83.12 Mbit/s  
95th percentile per-packet one-way delay: 16.971 ms  
Loss rate: 0.12%



Run 7: Report of Copa — Data Link

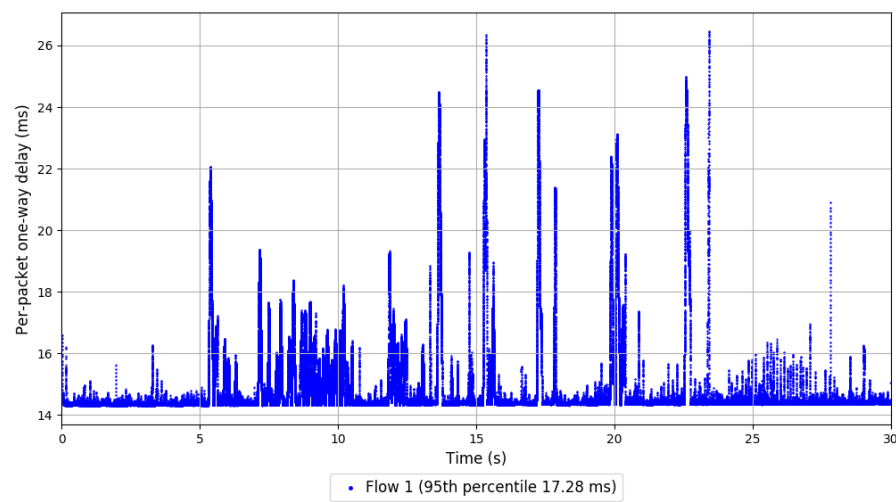
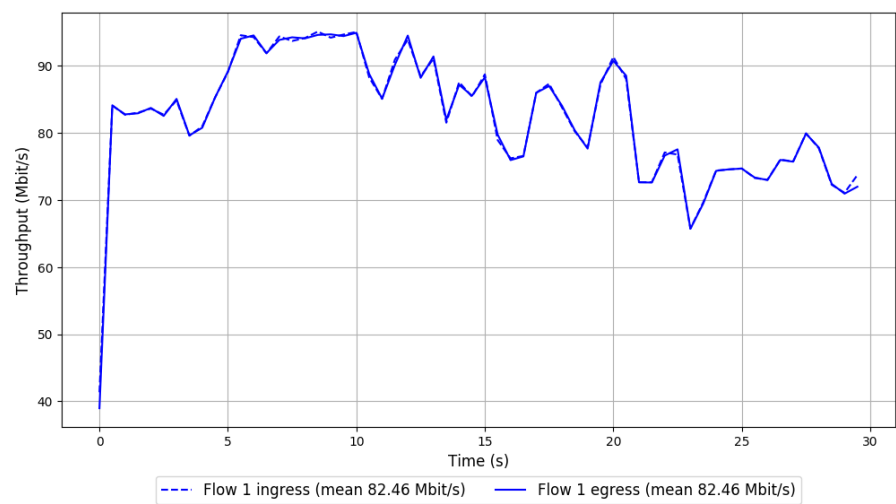


Run 8: Statistics of Copa

Start at: 2018-04-17 03:58:19  
End at: 2018-04-17 03:58:49  
Local clock offset: -5.815 ms  
Remote clock offset: -10.861 ms

# Below is generated by plot.py at 2018-04-17 08:27:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.46 Mbit/s  
95th percentile per-packet one-way delay: 17.278 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 82.46 Mbit/s  
95th percentile per-packet one-way delay: 17.278 ms  
Loss rate: 0.08%

Run 8: Report of Copa — Data Link

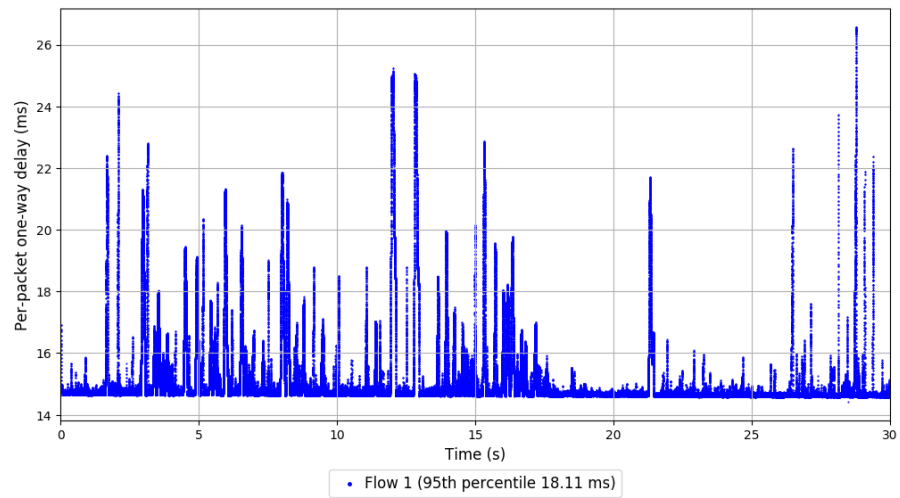
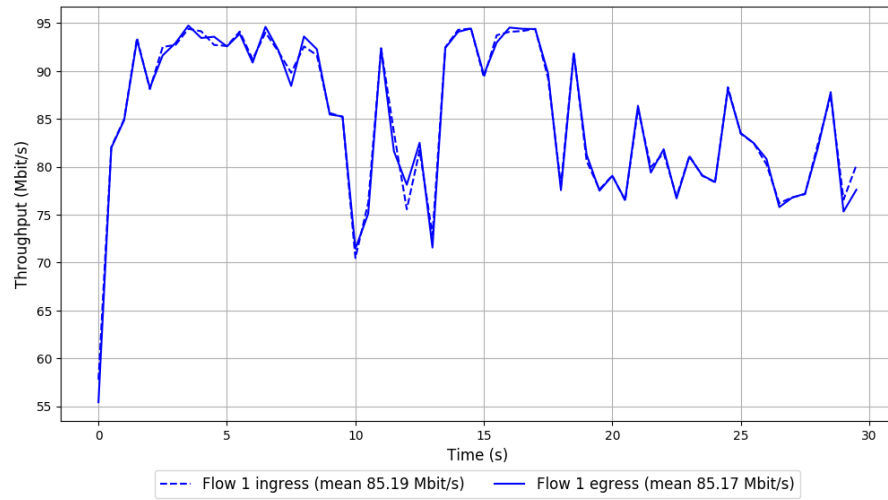


Run 9: Statistics of Copa

Start at: 2018-04-17 04:19:04  
End at: 2018-04-17 04:19:34  
Local clock offset: -5.911 ms  
Remote clock offset: -8.228 ms

# Below is generated by plot.py at 2018-04-17 08:29:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.17 Mbit/s  
95th percentile per-packet one-way delay: 18.111 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 85.17 Mbit/s  
95th percentile per-packet one-way delay: 18.111 ms  
Loss rate: 0.12%

### Run 9: Report of Copa — Data Link

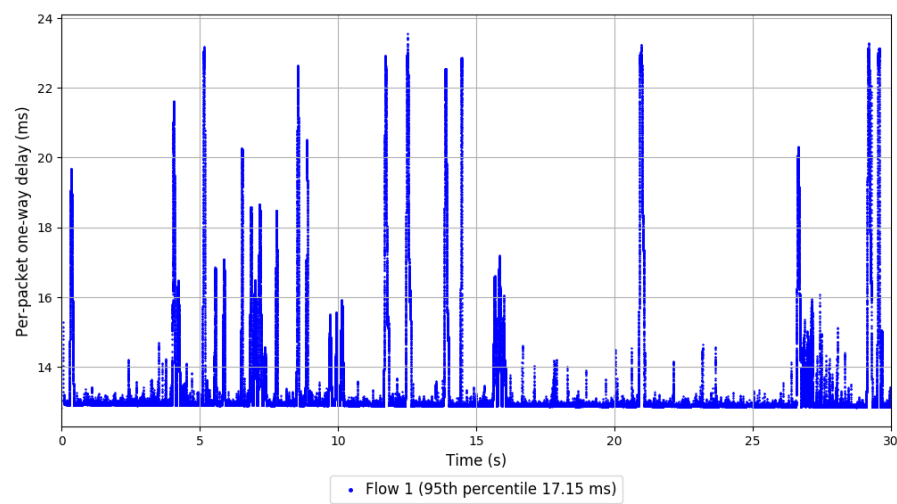
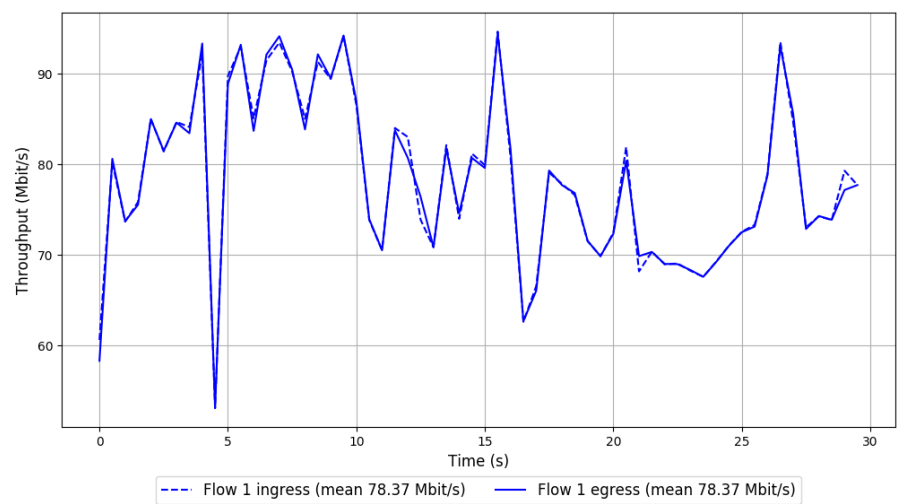


Run 10: Statistics of Copa

Start at: 2018-04-17 04:39:38  
End at: 2018-04-17 04:40:08  
Local clock offset: -5.959 ms  
Remote clock offset: -8.501 ms

# Below is generated by plot.py at 2018-04-17 08:29:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.37 Mbit/s  
95th percentile per-packet one-way delay: 17.151 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 78.37 Mbit/s  
95th percentile per-packet one-way delay: 17.151 ms  
Loss rate: 0.09%

Run 10: Report of Copa — Data Link



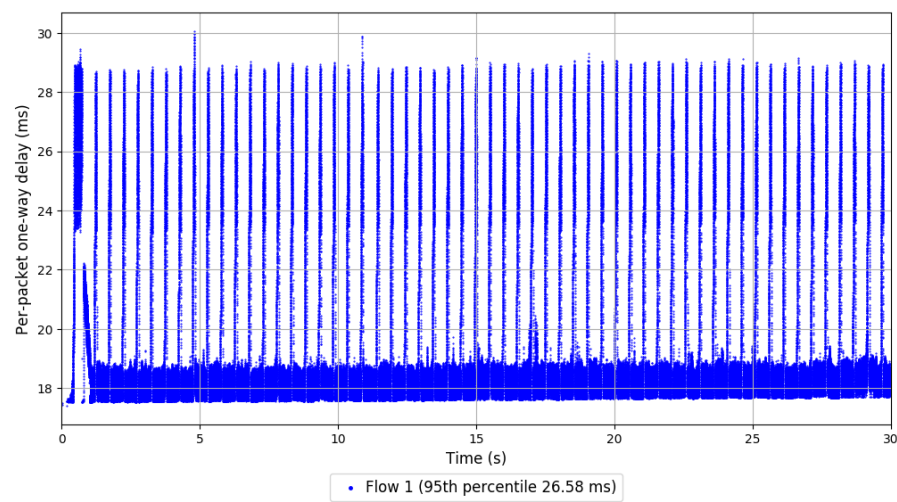
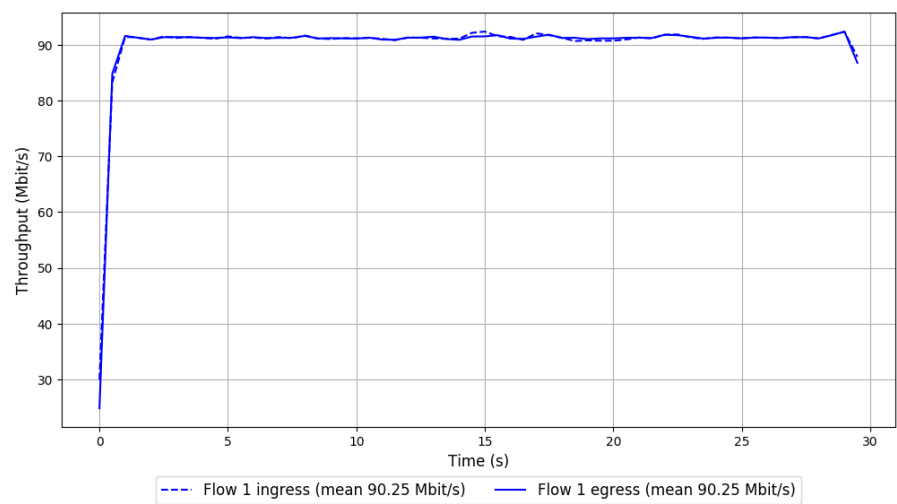
Run 1: Statistics of FillP

Start at: 2018-04-17 01:33:08  
End at: 2018-04-17 01:33:38  
Local clock offset: -9.807 ms  
Remote clock offset: -4.166 ms

# Below is generated by plot.py at 2018-04-17 08:29:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.25 Mbit/s  
95th percentile per-packet one-way delay: 26.578 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 90.25 Mbit/s  
95th percentile per-packet one-way delay: 26.578 ms  
Loss rate: 0.08%



Run 1: Report of FillP — Data Link

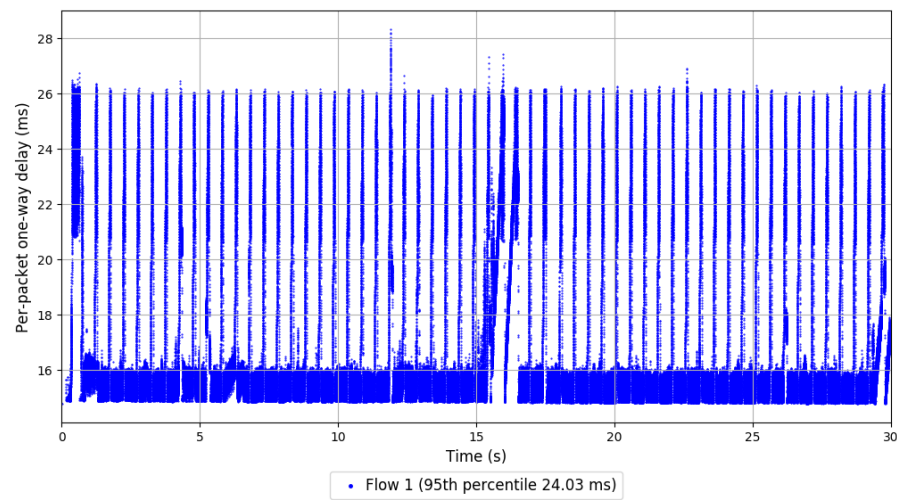
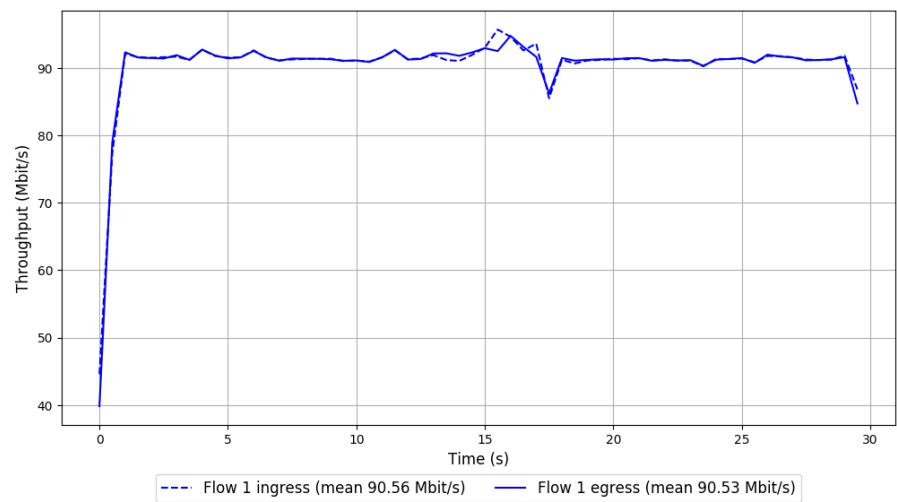


Run 2: Statistics of FillP

Start at: 2018-04-17 01:53:02  
End at: 2018-04-17 01:53:32  
Local clock offset: -12.745 ms  
Remote clock offset: -7.743 ms

# Below is generated by plot.py at 2018-04-17 08:29:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.53 Mbit/s  
95th percentile per-packet one-way delay: 24.031 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 90.53 Mbit/s  
95th percentile per-packet one-way delay: 24.031 ms  
Loss rate: 0.11%

Run 2: Report of FillP — Data Link

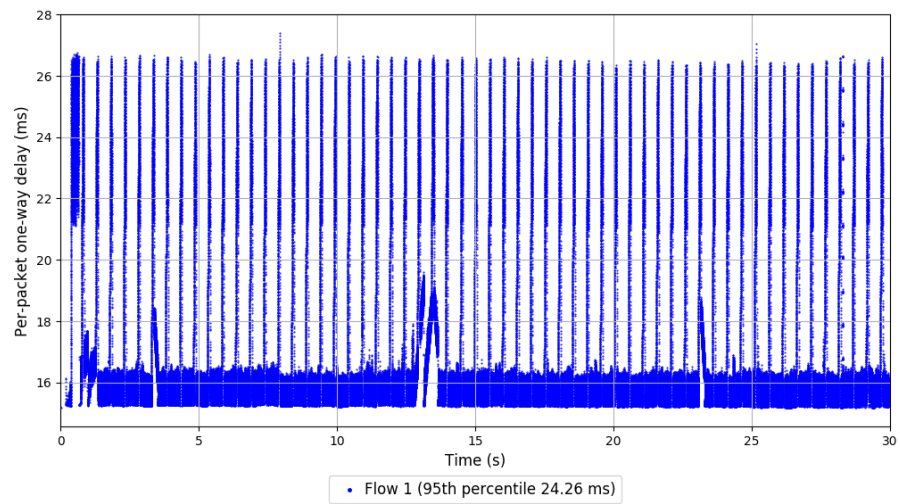
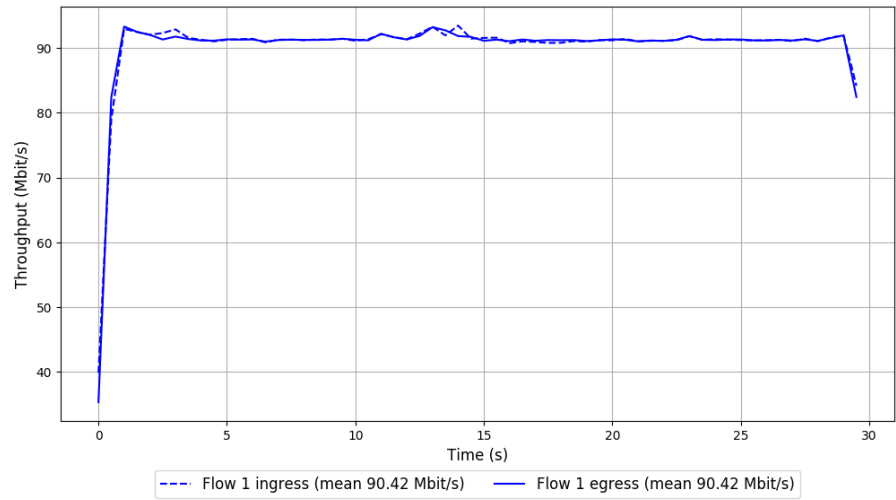


Run 3: Statistics of FillP

Start at: 2018-04-17 02:13:14  
End at: 2018-04-17 02:13:44  
Local clock offset: -12.936 ms  
Remote clock offset: -12.0 ms

# Below is generated by plot.py at 2018-04-17 08:29:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.42 Mbit/s  
95th percentile per-packet one-way delay: 24.264 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 90.42 Mbit/s  
95th percentile per-packet one-way delay: 24.264 ms  
Loss rate: 0.09%

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

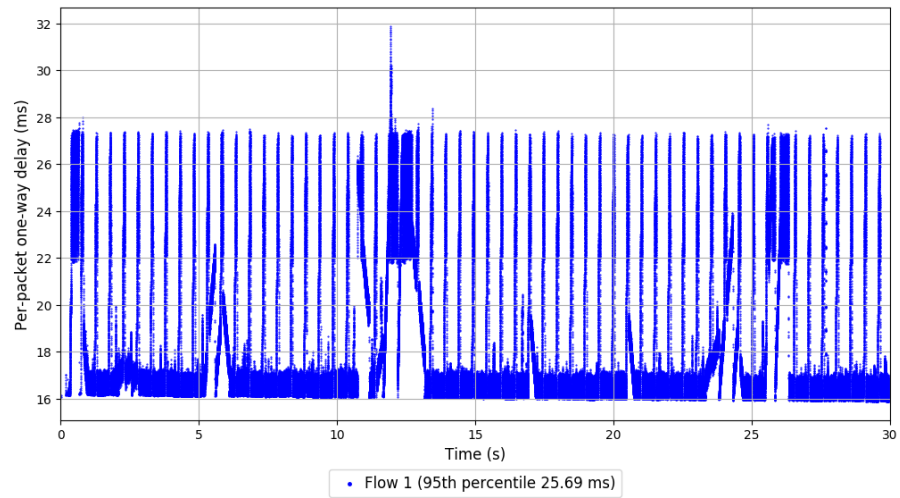
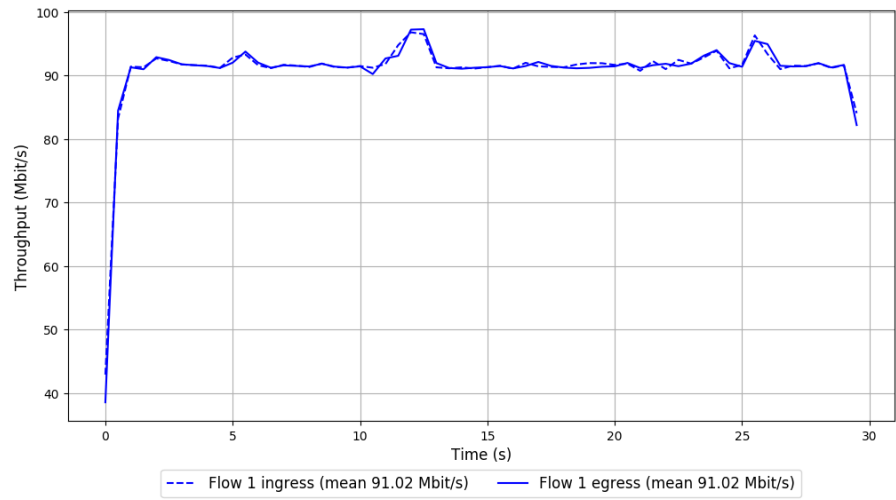


Run 4: Statistics of FillP

Start at: 2018-04-17 02:33:13  
End at: 2018-04-17 02:33:43  
Local clock offset: -13.309 ms  
Remote clock offset: -15.403 ms

# Below is generated by plot.py at 2018-04-17 08:29:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.02 Mbit/s  
95th percentile per-packet one-way delay: 25.691 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 91.02 Mbit/s  
95th percentile per-packet one-way delay: 25.691 ms  
Loss rate: 0.09%

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



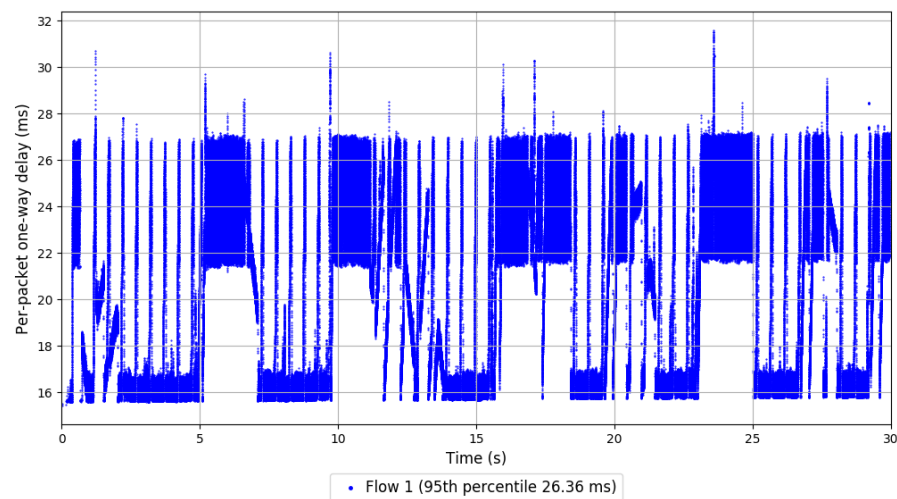
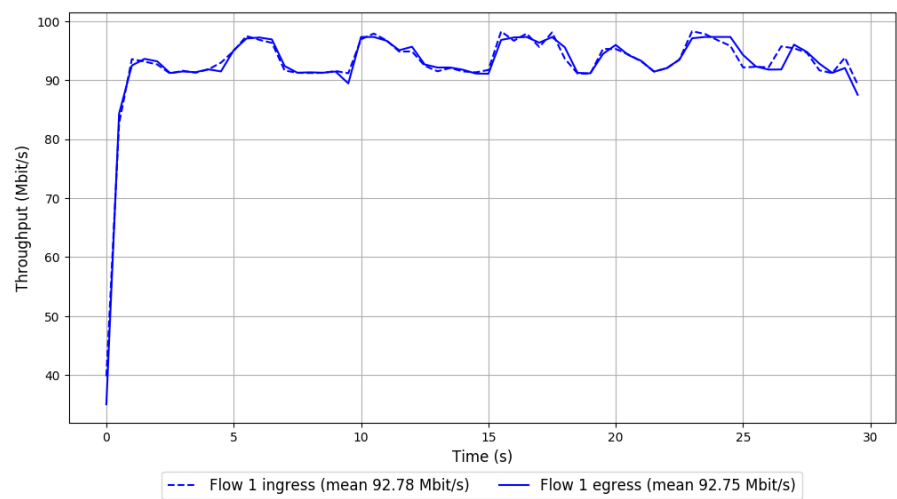
Run 5: Statistics of FillP

Start at: 2018-04-17 02:53:50  
End at: 2018-04-17 02:54:20  
Local clock offset: -7.964 ms  
Remote clock offset: -14.781 ms

# Below is generated by plot.py at 2018-04-17 08:29:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.75 Mbit/s  
95th percentile per-packet one-way delay: 26.361 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 92.75 Mbit/s  
95th percentile per-packet one-way delay: 26.361 ms  
Loss rate: 0.12%



Run 5: Report of FillP — Data Link

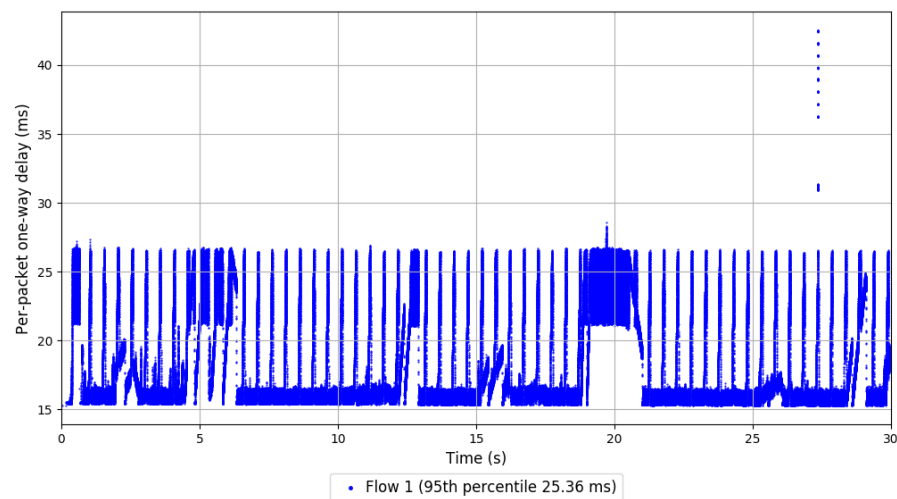
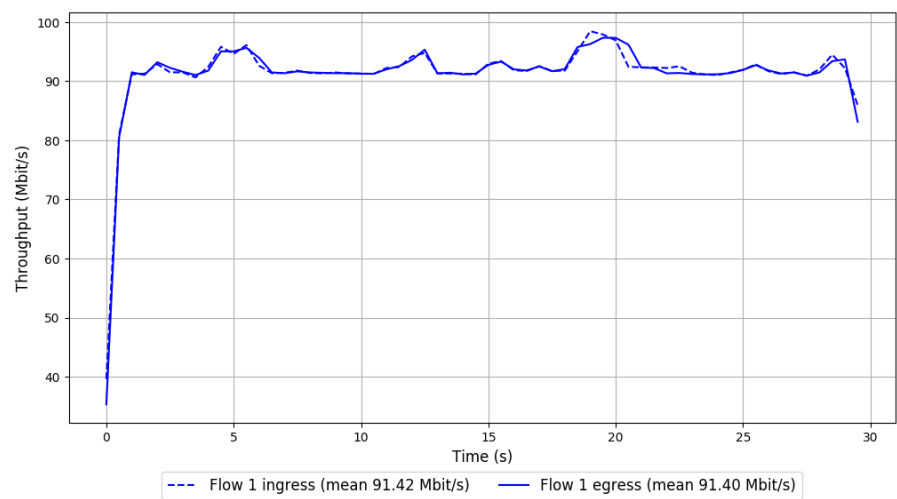


Run 6: Statistics of FillP

Start at: 2018-04-17 03:14:25  
End at: 2018-04-17 03:14:55  
Local clock offset: -3.424 ms  
Remote clock offset: -10.991 ms

# Below is generated by plot.py at 2018-04-17 08:29:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.40 Mbit/s  
95th percentile per-packet one-way delay: 25.362 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 91.40 Mbit/s  
95th percentile per-packet one-way delay: 25.362 ms  
Loss rate: 0.11%

Run 6: Report of FillP — Data Link

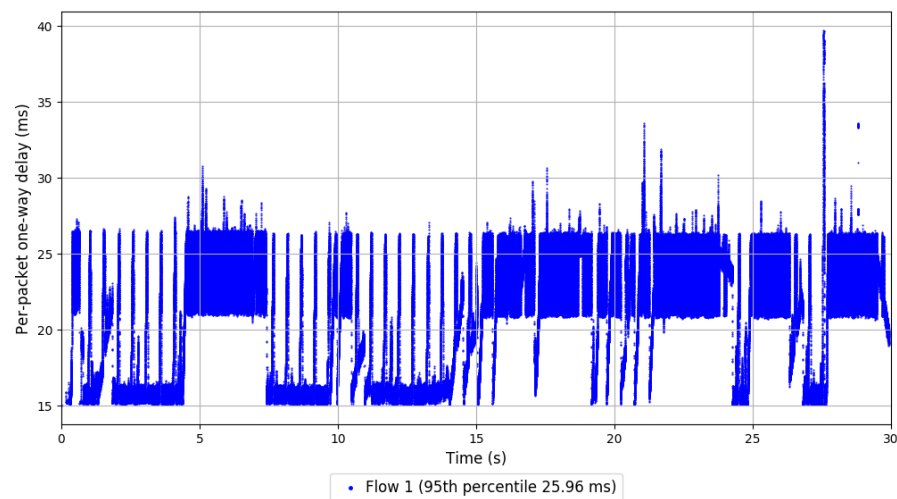
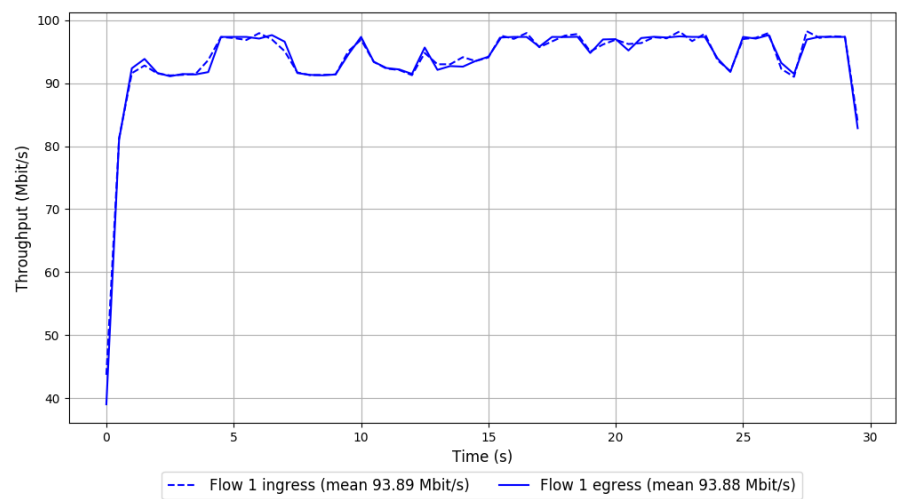


Run 7: Statistics of FillP

Start at: 2018-04-17 03:35:08  
End at: 2018-04-17 03:35:38  
Local clock offset: 0.091 ms  
Remote clock offset: -11.424 ms

# Below is generated by plot.py at 2018-04-17 08:30:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.88 Mbit/s  
95th percentile per-packet one-way delay: 25.965 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 93.88 Mbit/s  
95th percentile per-packet one-way delay: 25.965 ms  
Loss rate: 0.10%

Run 7: Report of FillP — Data Link

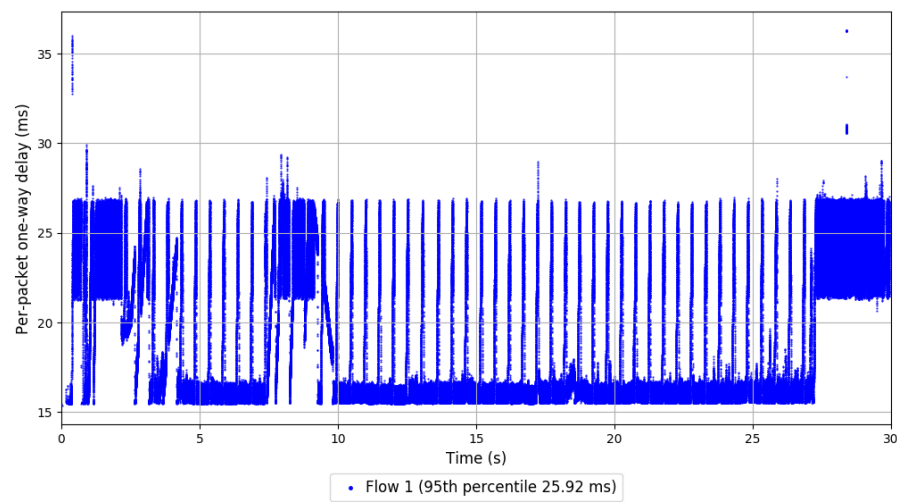
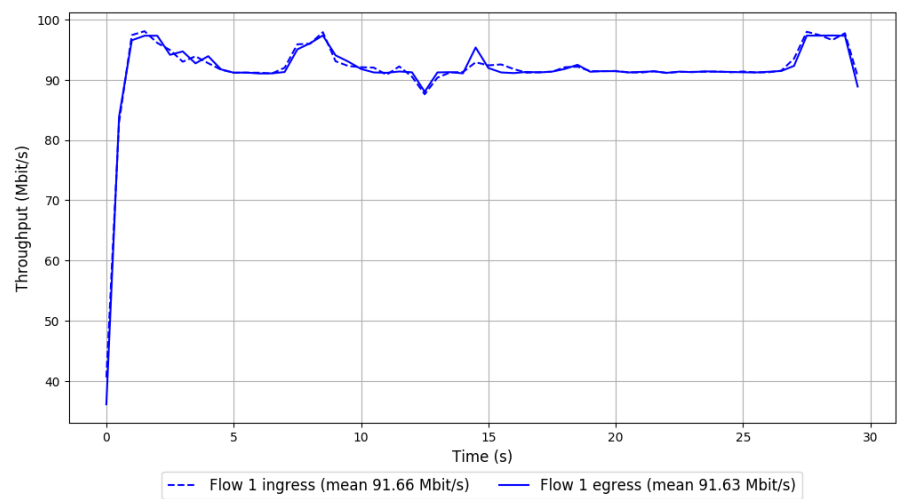


Run 8: Statistics of FillP

Start at: 2018-04-17 03:55:50  
End at: 2018-04-17 03:56:20  
Local clock offset: -4.299 ms  
Remote clock offset: -10.807 ms

# Below is generated by plot.py at 2018-04-17 08:30:35  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.63 Mbit/s  
95th percentile per-packet one-way delay: 25.919 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 91.63 Mbit/s  
95th percentile per-packet one-way delay: 25.919 ms  
Loss rate: 0.12%

Run 8: Report of FillP — Data Link



Run 9: Statistics of FillP

Start at: 2018-04-17 04:16:32

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

Local clock offset: -9.161 ms

Remote clock offset: -9.19 ms

# Below is generated by plot.py at 2018-04-17 08:30:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.17 Mbit/s

95th percentile per-packet one-way delay: 23.316 ms

Loss rate: 0.07%

-- Flow 1:

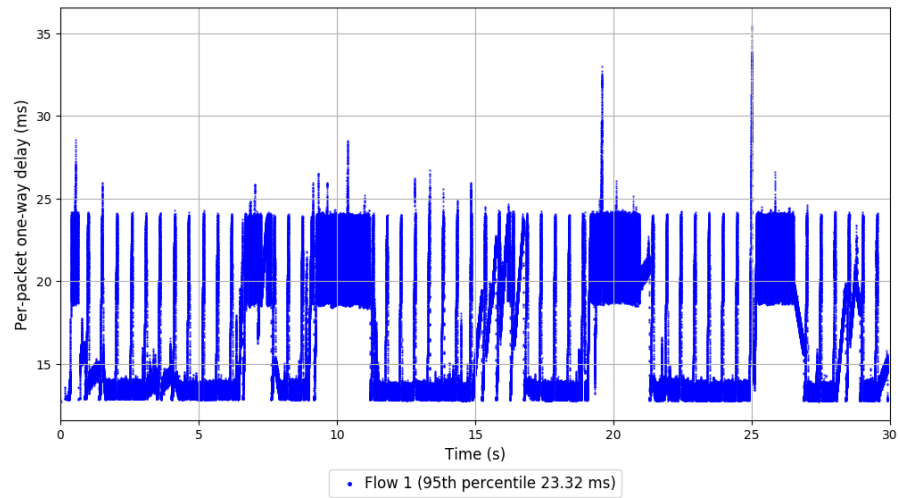
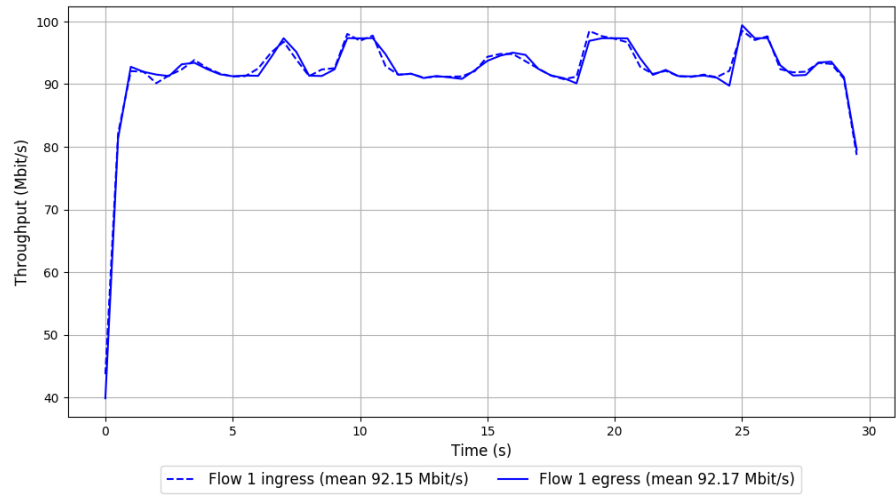
Average throughput: 92.17 Mbit/s

95th percentile per-packet one-way delay: 23.316 ms

Loss rate: 0.07%



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

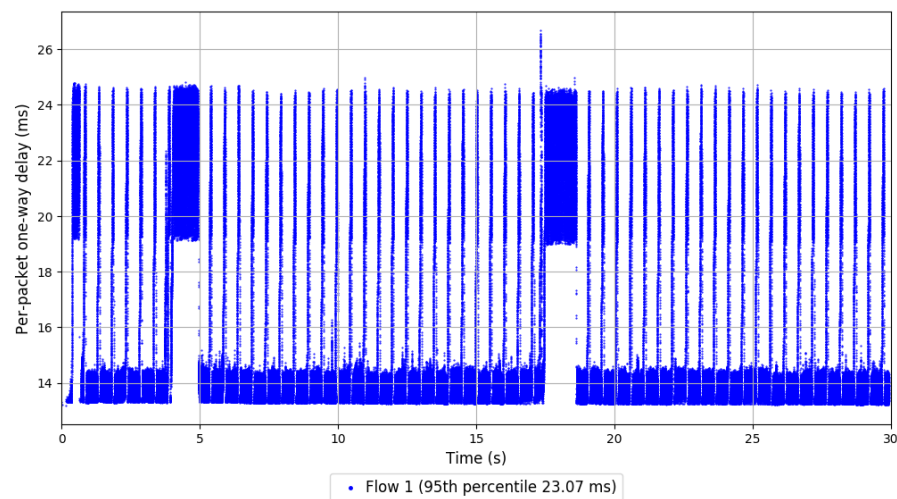
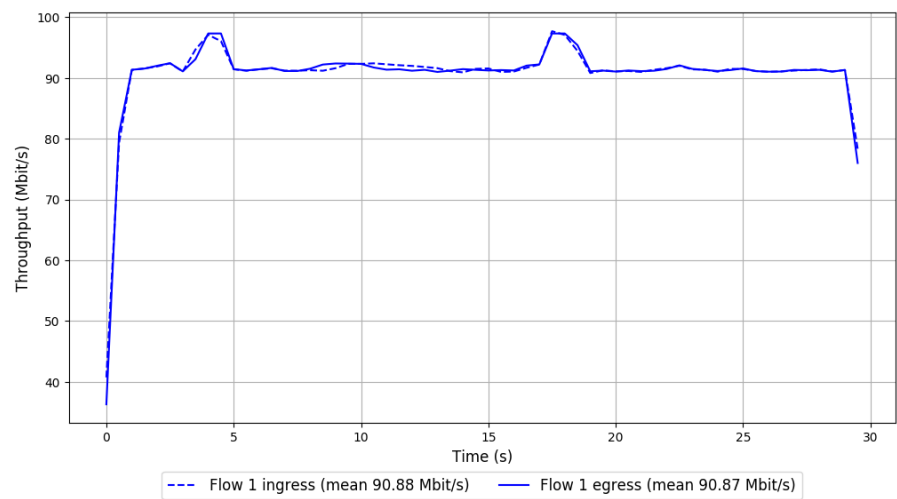


Run 10: Statistics of FillP

Start at: 2018-04-17 04:37:18  
End at: 2018-04-17 04:37:48  
Local clock offset: -5.283 ms  
Remote clock offset: -7.891 ms

# Below is generated by plot.py at 2018-04-17 08:30:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.87 Mbit/s  
95th percentile per-packet one-way delay: 23.071 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 90.87 Mbit/s  
95th percentile per-packet one-way delay: 23.071 ms  
Loss rate: 0.09%

Run 10: Report of FillP — Data Link

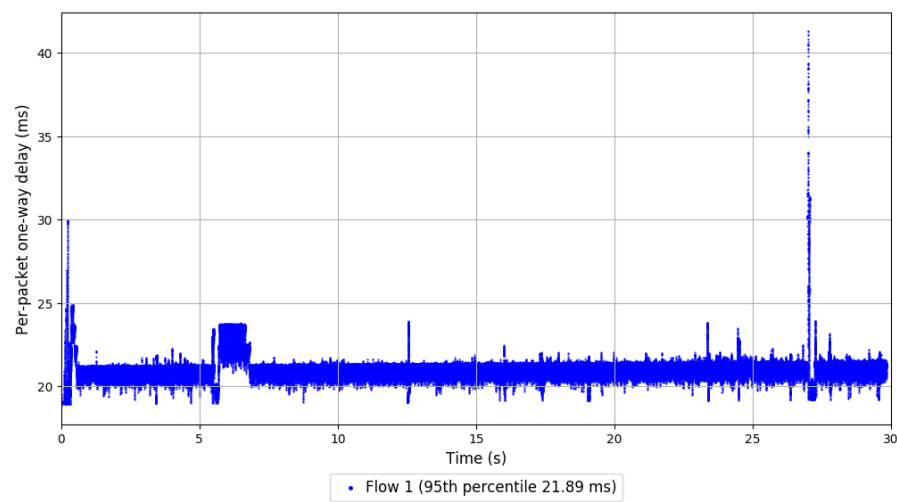
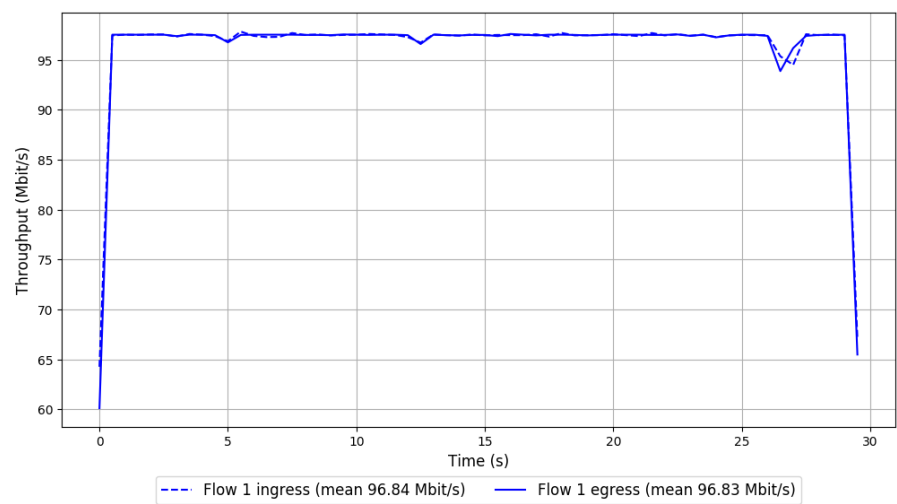


```
Run 1: Statistics of Indigo-1-32

Start at: 2018-04-17 01:28:24
End at: 2018-04-17 01:28:54
Local clock offset: -6.486 ms
Remote clock offset: -4.524 ms

# Below is generated by plot.py at 2018-04-17 08:30:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 21.891 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 21.891 ms
Loss rate: 0.10%
```

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

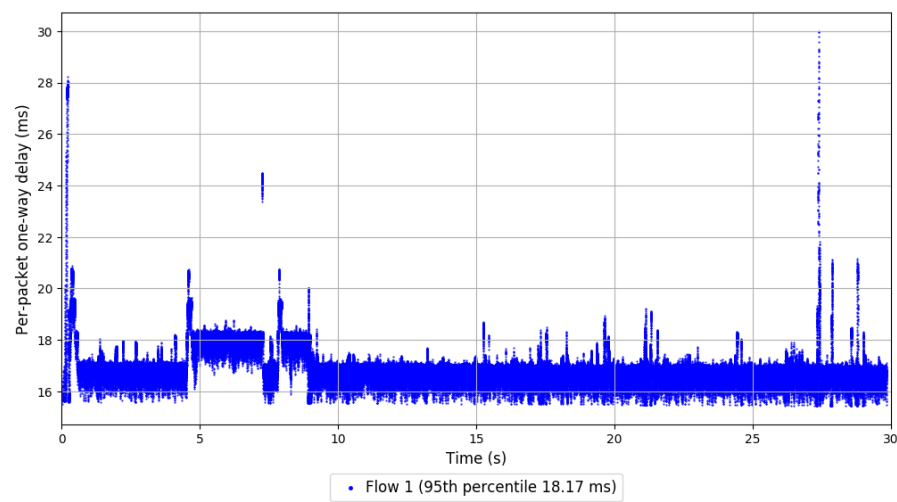
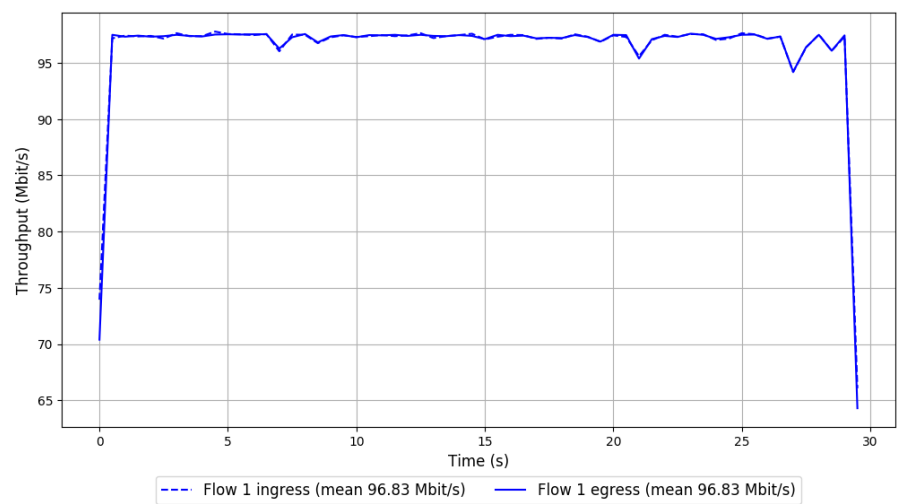


Run 2: Statistics of Indigo-1-32

Start at: 2018-04-17 01:48:09  
End at: 2018-04-17 01:48:39  
Local clock offset: -12.143 ms  
Remote clock offset: -6.641 ms

# Below is generated by plot.py at 2018-04-17 08:30:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.83 Mbit/s  
95th percentile per-packet one-way delay: 18.171 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 96.83 Mbit/s  
95th percentile per-packet one-way delay: 18.171 ms  
Loss rate: 0.08%

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



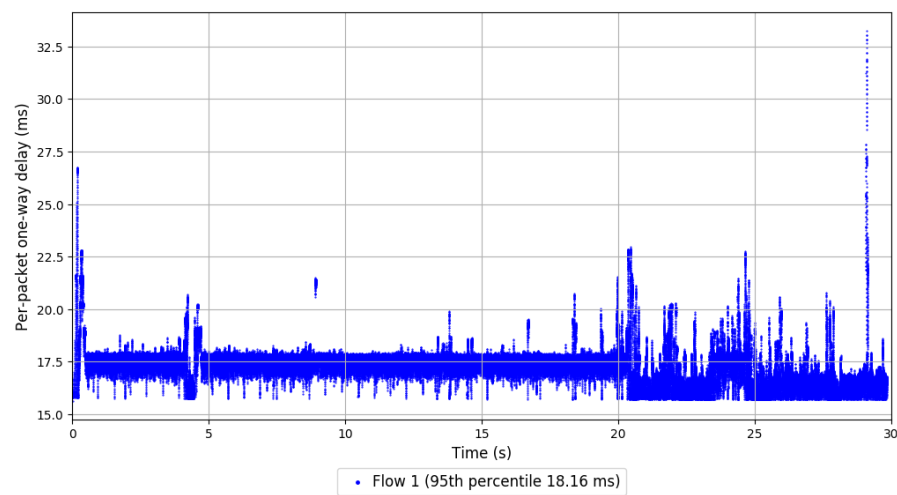
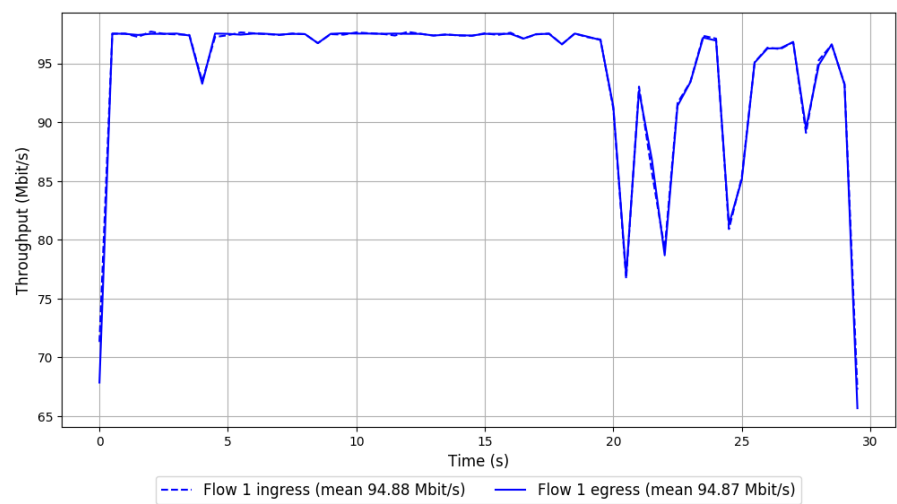
Run 3: Statistics of Indigo-1-32

Start at: 2018-04-17 02:08:31  
End at: 2018-04-17 02:09:01  
Local clock offset: -12.245 ms  
Remote clock offset: -11.22 ms

# Below is generated by plot.py at 2018-04-17 08:30:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.87 Mbit/s  
95th percentile per-packet one-way delay: 18.159 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 94.87 Mbit/s  
95th percentile per-packet one-way delay: 18.159 ms  
Loss rate: 0.08%



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



Run 4: Statistics of Indigo-1-32

Start at: 2018-04-17 02:28:24

End at: 2018-04-17 02:28:54

Local clock offset: -12.077 ms

Remote clock offset: -14.717 ms

# Below is generated by plot.py at 2018-04-17 08:30:50

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.21 Mbit/s

95th percentile per-packet one-way delay: 19.505 ms

Loss rate: 0.08%

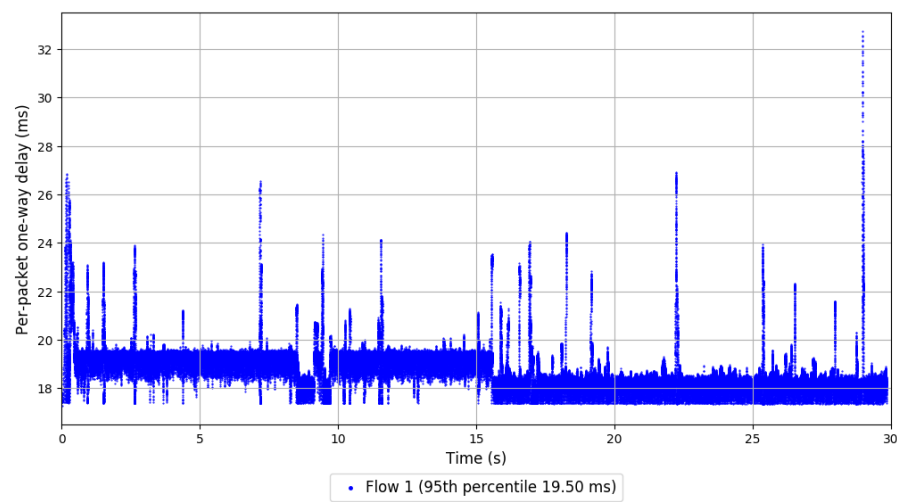
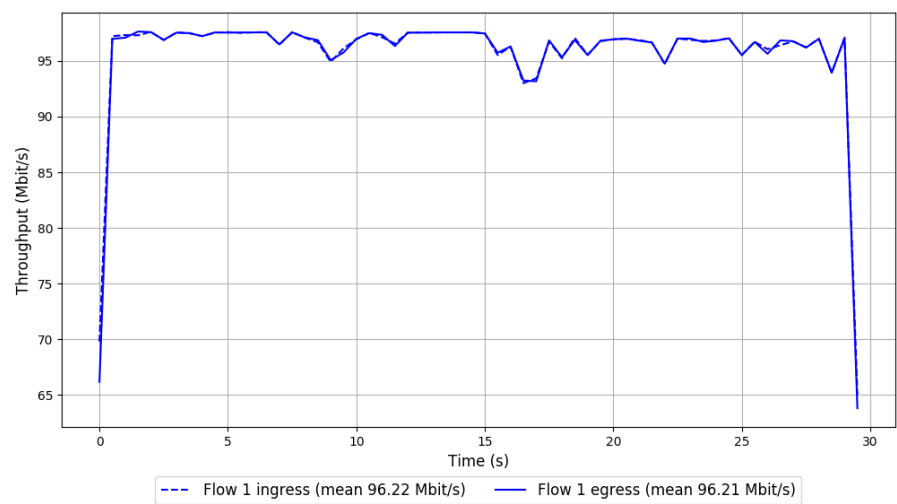
-- Flow 1:

Average throughput: 96.21 Mbit/s

95th percentile per-packet one-way delay: 19.505 ms

Loss rate: 0.08%

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

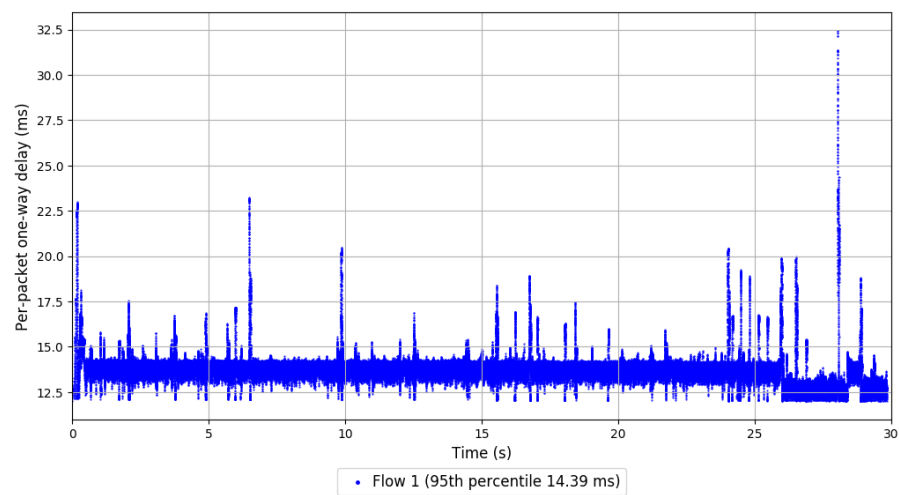
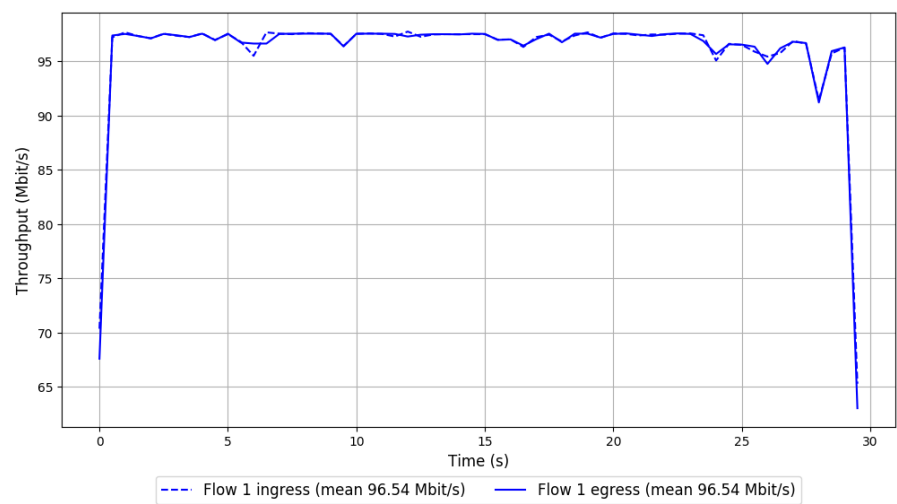


Run 5: Statistics of Indigo-1-32

Start at: 2018-04-17 02:48:49  
End at: 2018-04-17 02:49:19  
Local clock offset: -11.813 ms  
Remote clock offset: -15.201 ms

# Below is generated by plot.py at 2018-04-17 08:31:57  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.54 Mbit/s  
95th percentile per-packet one-way delay: 14.389 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 96.54 Mbit/s  
95th percentile per-packet one-way delay: 14.389 ms  
Loss rate: 0.08%

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



Run 6: Statistics of Indigo-1-32

Start at: 2018-04-17 03:09:22

End at: 2018-04-17 03:09:52

Local clock offset: -6.831 ms

Remote clock offset: -11.096 ms

# Below is generated by plot.py at 2018-04-17 08:32:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.77 Mbit/s

95th percentile per-packet one-way delay: 17.115 ms

Loss rate: 0.09%

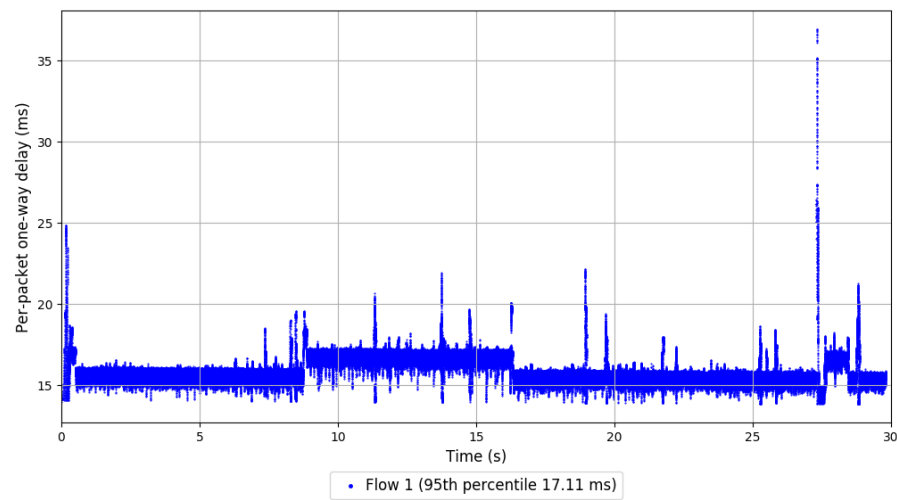
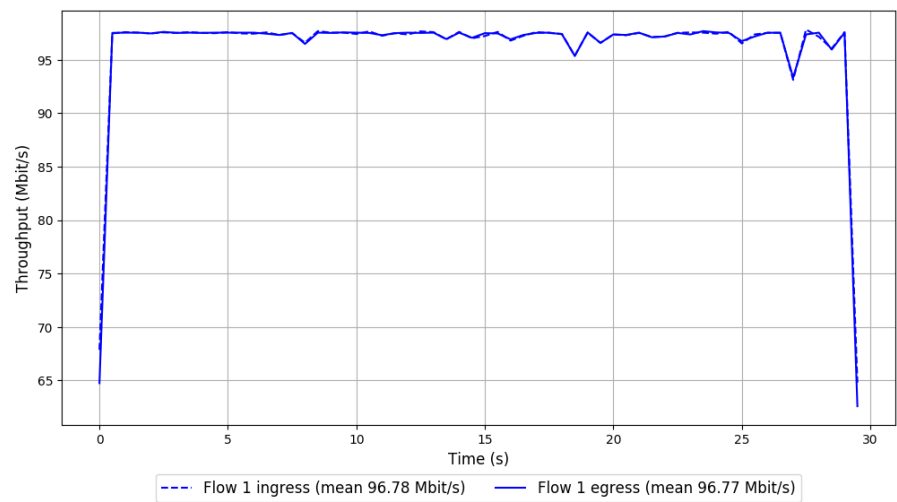
-- Flow 1:

Average throughput: 96.77 Mbit/s

95th percentile per-packet one-way delay: 17.115 ms

Loss rate: 0.09%

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



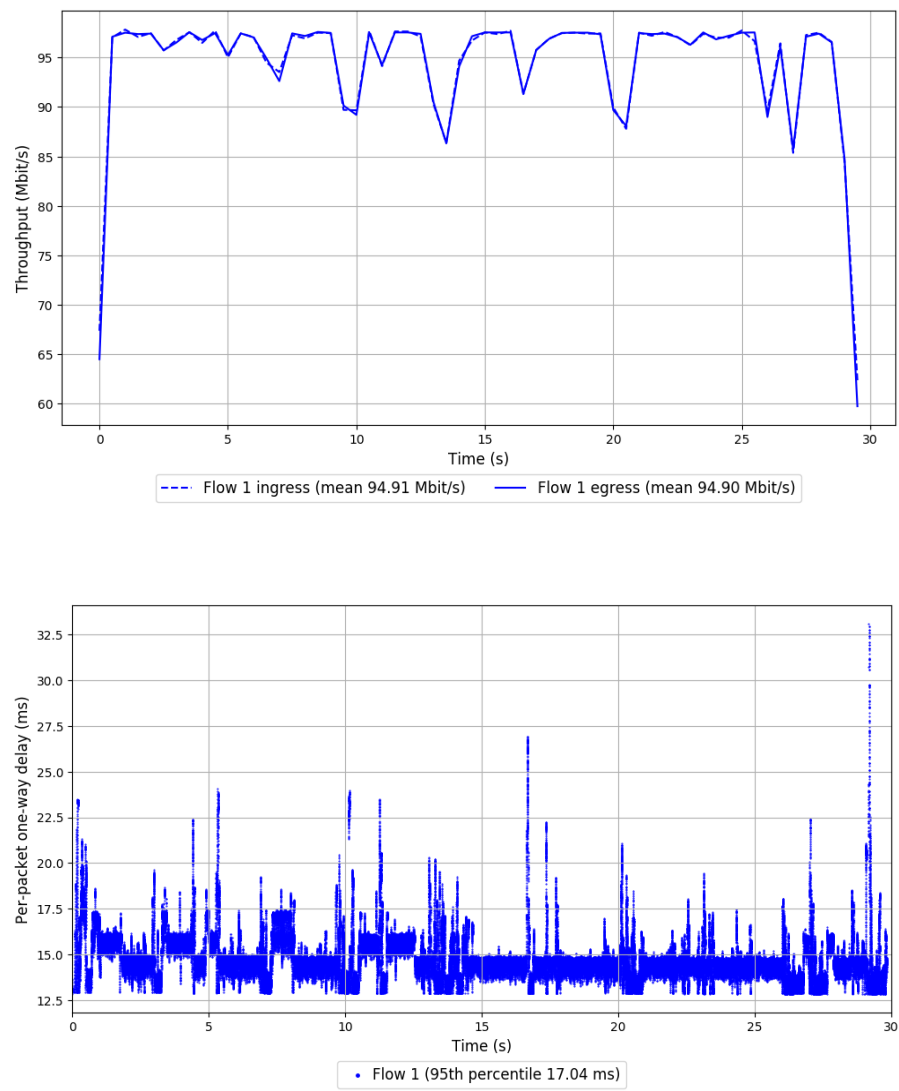
Run 7: Statistics of Indigo-1-32

Start at: 2018-04-17 03:29:55  
End at: 2018-04-17 03:30:25  
Local clock offset: -2.518 ms  
Remote clock offset: -11.006 ms

# Below is generated by plot.py at 2018-04-17 08:32:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.90 Mbit/s  
95th percentile per-packet one-way delay: 17.036 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 94.90 Mbit/s  
95th percentile per-packet one-way delay: 17.036 ms  
Loss rate: 0.09%



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



Run 8: Statistics of Indigo-1-32

Start at: 2018-04-17 03:50:46

End at: 2018-04-17 03:51:16

Local clock offset: -3.207 ms

Remote clock offset: -11.062 ms

# Below is generated by plot.py at 2018-04-17 08:32:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.92 Mbit/s

95th percentile per-packet one-way delay: 19.550 ms

Loss rate: 0.09%

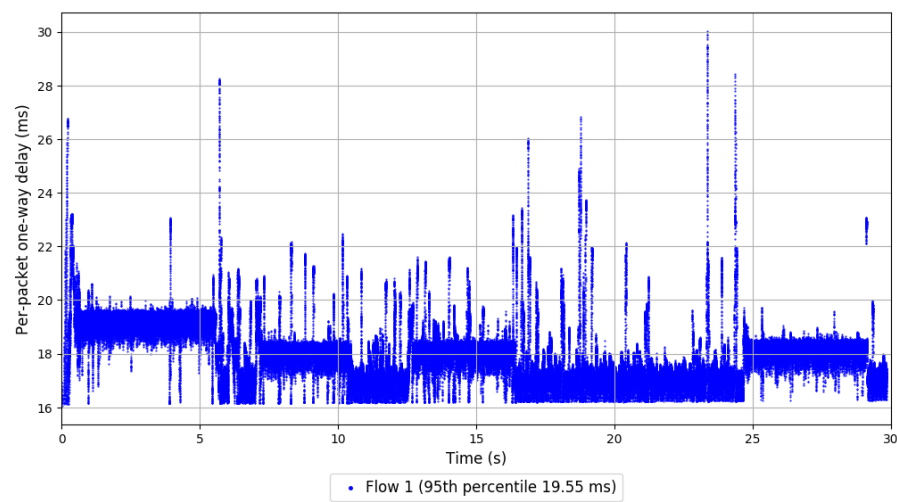
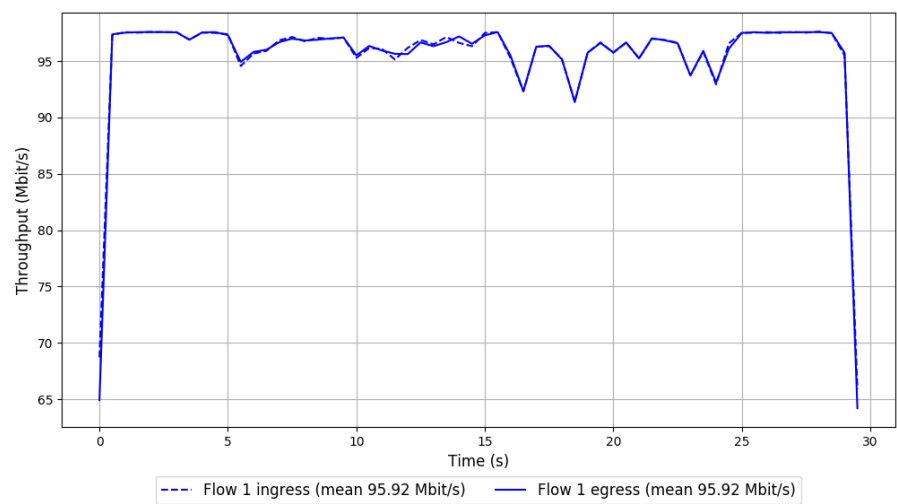
-- Flow 1:

Average throughput: 95.92 Mbit/s

95th percentile per-packet one-way delay: 19.550 ms

Loss rate: 0.09%

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

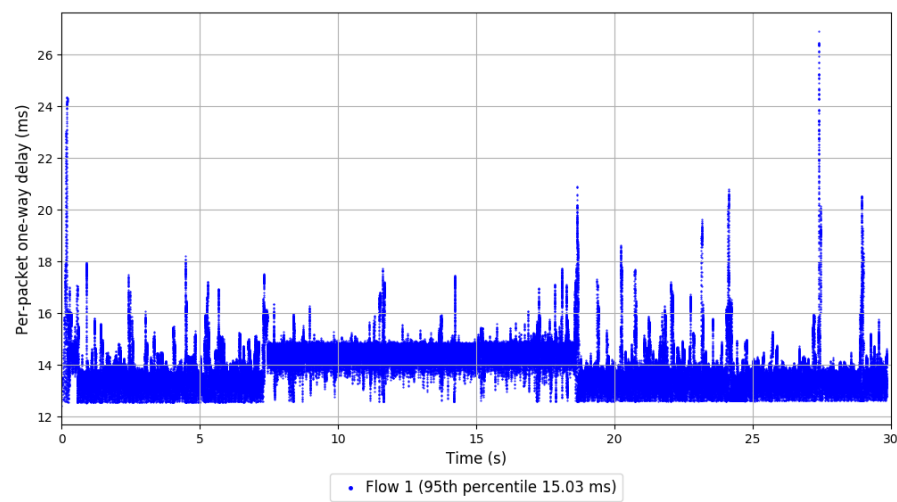
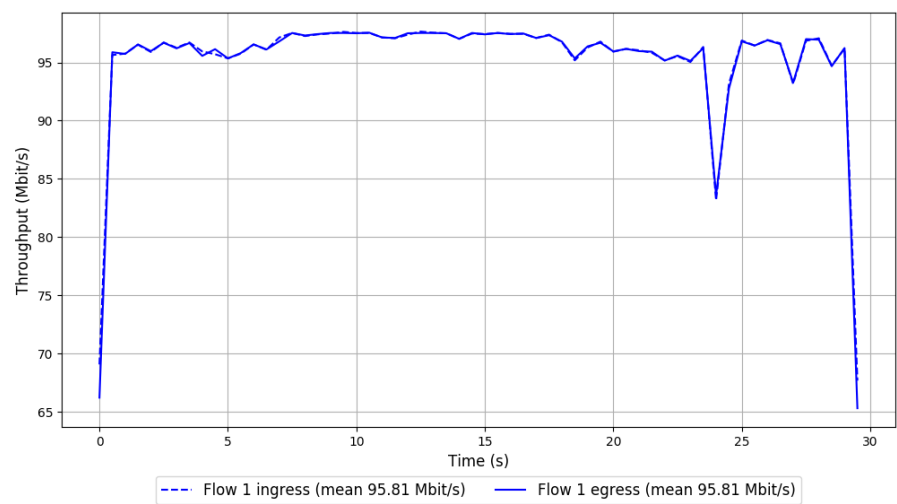


Run 9: Statistics of Indigo-1-32

Start at: 2018-04-17 04:11:29  
End at: 2018-04-17 04:11:59  
Local clock offset: -9.025 ms  
Remote clock offset: -8.856 ms

# Below is generated by plot.py at 2018-04-17 08:32:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.81 Mbit/s  
95th percentile per-packet one-way delay: 15.026 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 95.81 Mbit/s  
95th percentile per-packet one-way delay: 15.026 ms  
Loss rate: 0.09%

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

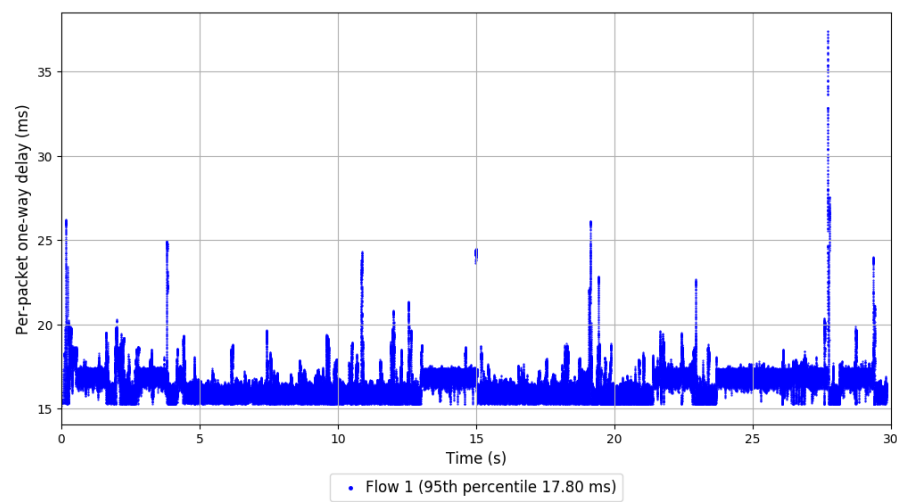
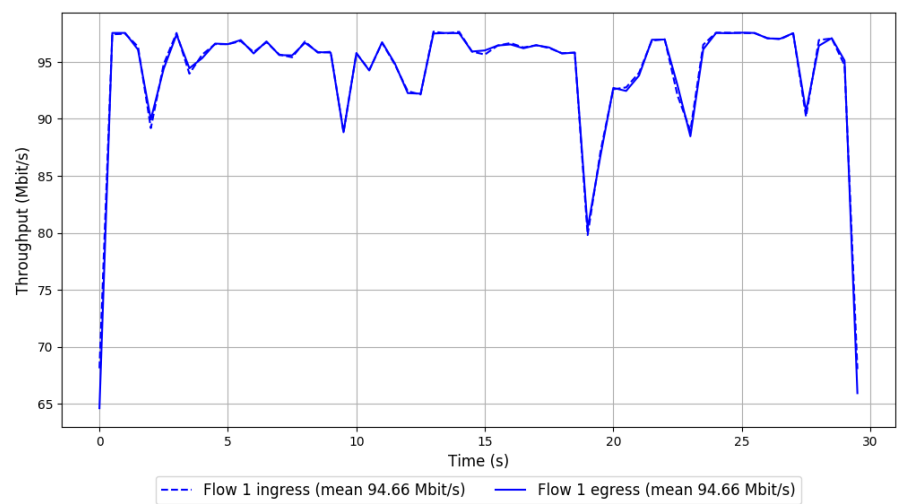


Run 10: Statistics of Indigo-1-32

Start at: 2018-04-17 04:32:19  
End at: 2018-04-17 04:32:49  
Local clock offset: -3.542 ms  
Remote clock offset: -7.544 ms

# Below is generated by plot.py at 2018-04-17 08:32:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.66 Mbit/s  
95th percentile per-packet one-way delay: 17.800 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 94.66 Mbit/s  
95th percentile per-packet one-way delay: 17.800 ms  
Loss rate: 0.09%

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



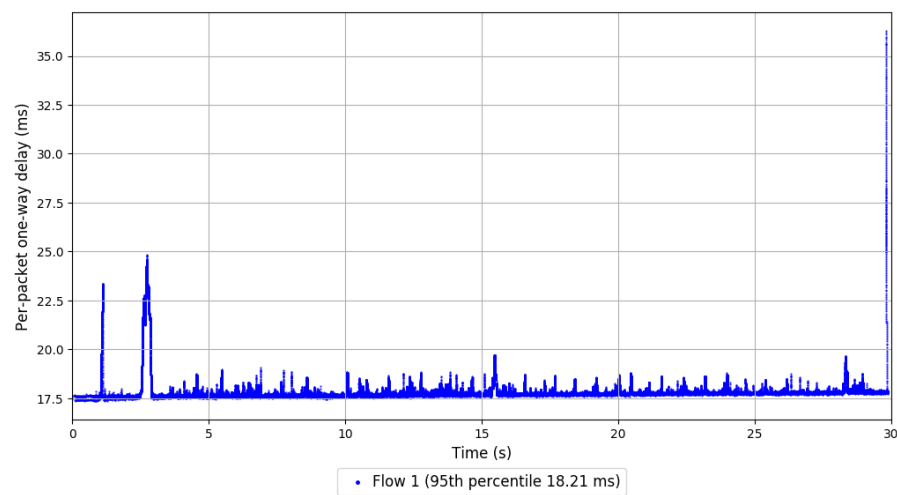
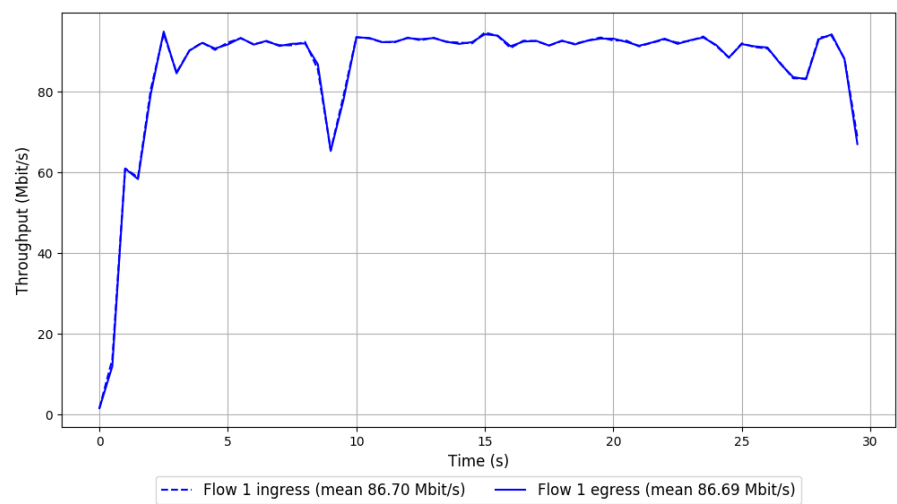
Run 1: Statistics of PCC-Vivace

Start at: 2018-04-17 01:29:38  
End at: 2018-04-17 01:30:08  
Local clock offset: -8.208 ms  
Remote clock offset: -4.177 ms

# Below is generated by plot.py at 2018-04-17 08:32:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.69 Mbit/s  
95th percentile per-packet one-way delay: 18.207 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 86.69 Mbit/s  
95th percentile per-packet one-way delay: 18.207 ms  
Loss rate: 0.09%



Run 1: Report of PCC-Vivace — Data Link

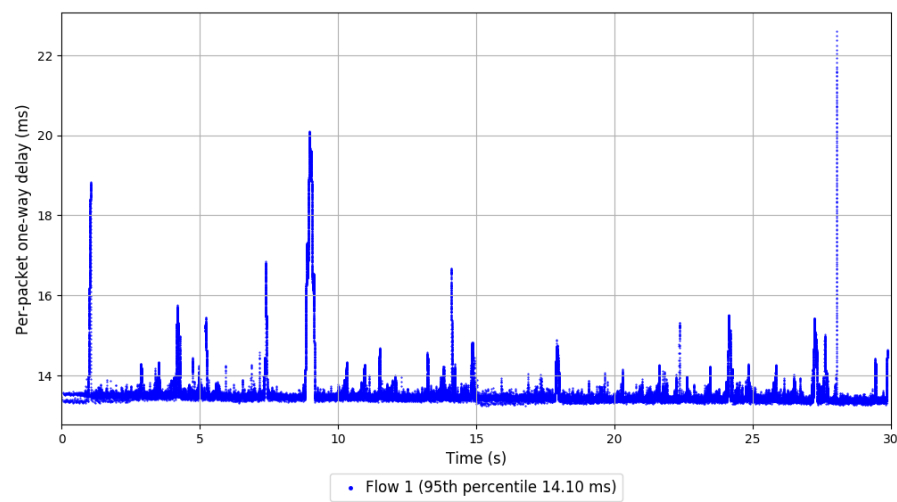
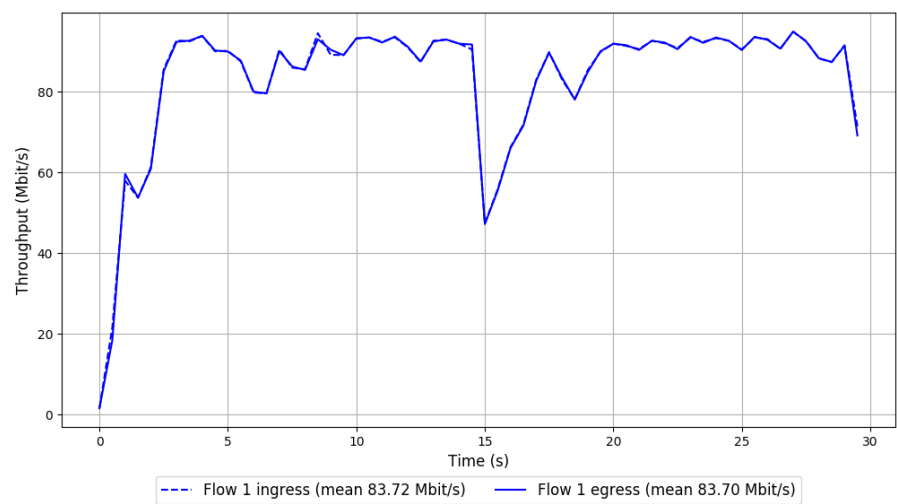


Run 2: Statistics of PCC-Vivace

Start at: 2018-04-17 01:49:25  
End at: 2018-04-17 01:49:55  
Local clock offset: -14.284 ms  
Remote clock offset: -7.081 ms

# Below is generated by plot.py at 2018-04-17 08:32:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.70 Mbit/s  
95th percentile per-packet one-way delay: 14.102 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 83.70 Mbit/s  
95th percentile per-packet one-way delay: 14.102 ms  
Loss rate: 0.10%

Run 2: Report of PCC-Vivace — Data Link

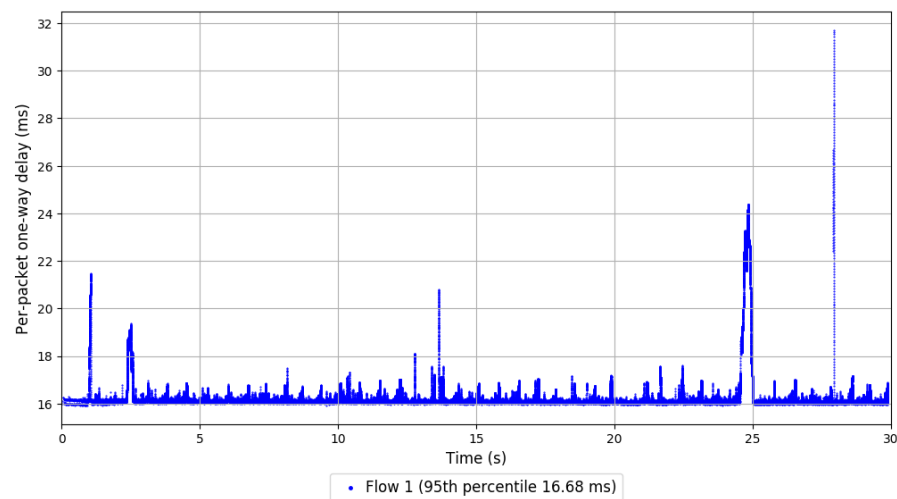
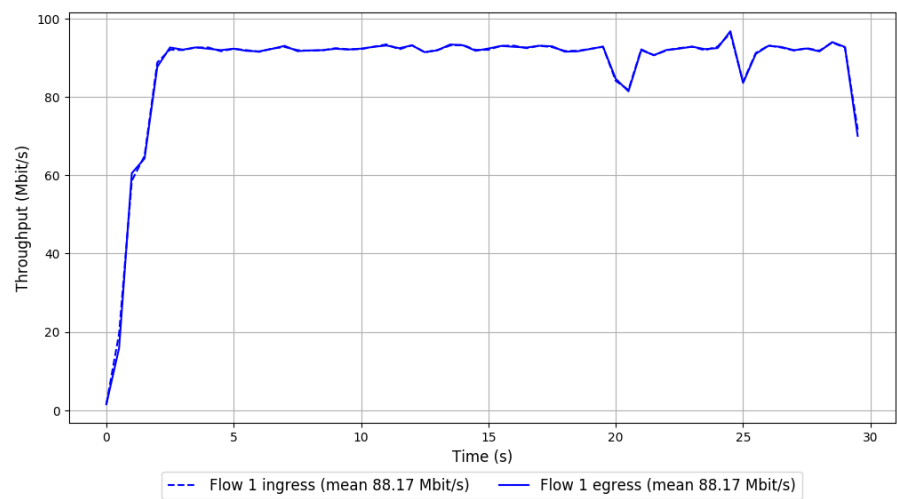


Run 3: Statistics of PCC-Vivace

Start at: 2018-04-17 02:09:44  
End at: 2018-04-17 02:10:14  
Local clock offset: -12.064 ms  
Remote clock offset: -11.552 ms

# Below is generated by plot.py at 2018-04-17 08:33:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.17 Mbit/s  
95th percentile per-packet one-way delay: 16.685 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 88.17 Mbit/s  
95th percentile per-packet one-way delay: 16.685 ms  
Loss rate: 0.09%

Run 3: Report of PCC-Vivace — Data Link

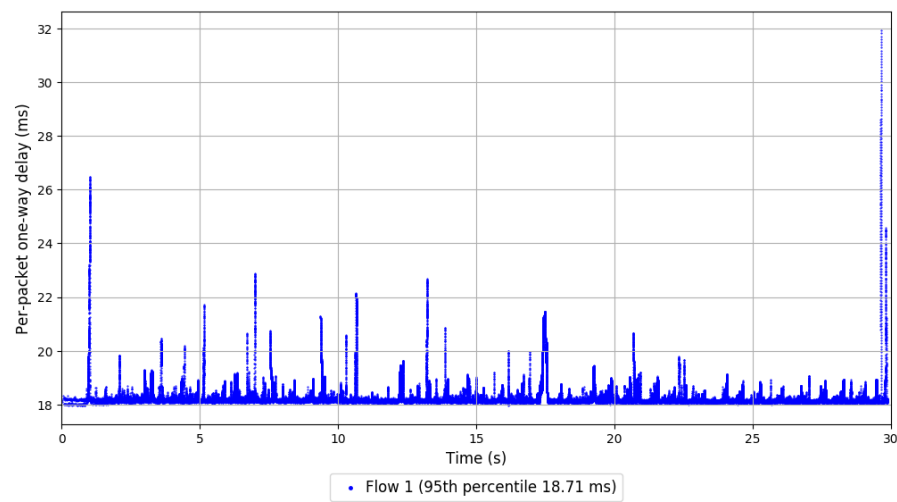
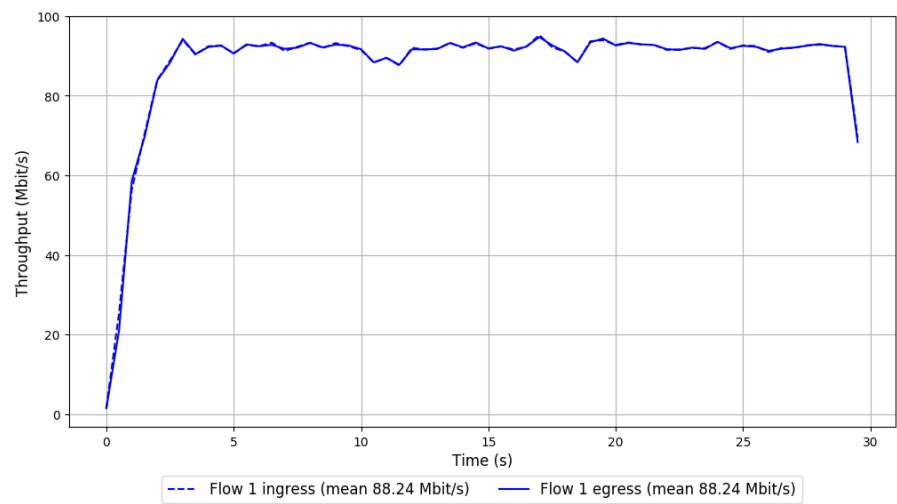


Run 4: Statistics of PCC-Vivace

Start at: 2018-04-17 02:29:40  
End at: 2018-04-17 02:30:10  
Local clock offset: -11.864 ms  
Remote clock offset: -15.371 ms

# Below is generated by plot.py at 2018-04-17 08:33:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 88.24 Mbit/s  
95th percentile per-packet one-way delay: 18.715 ms  
Loss rate: 0.08%  
-- Flow 1:  
Average throughput: 88.24 Mbit/s  
95th percentile per-packet one-way delay: 18.715 ms  
Loss rate: 0.08%

Run 4: Report of PCC-Vivace — Data Link



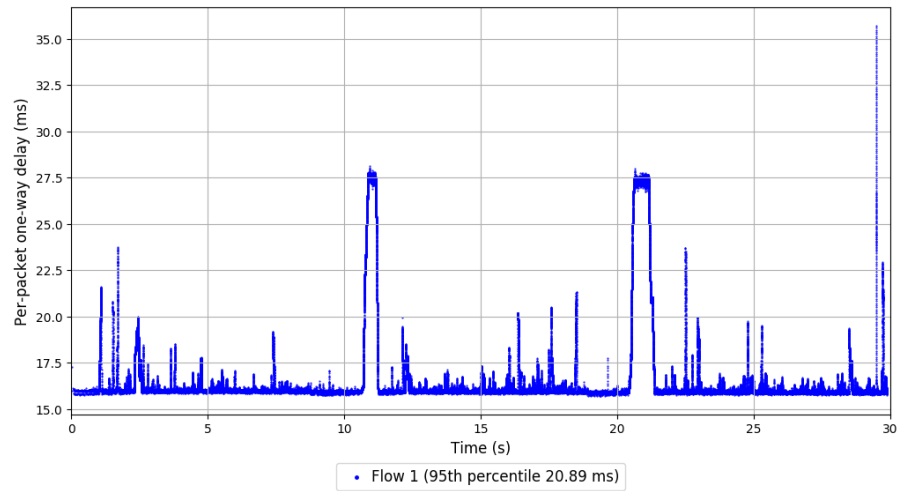
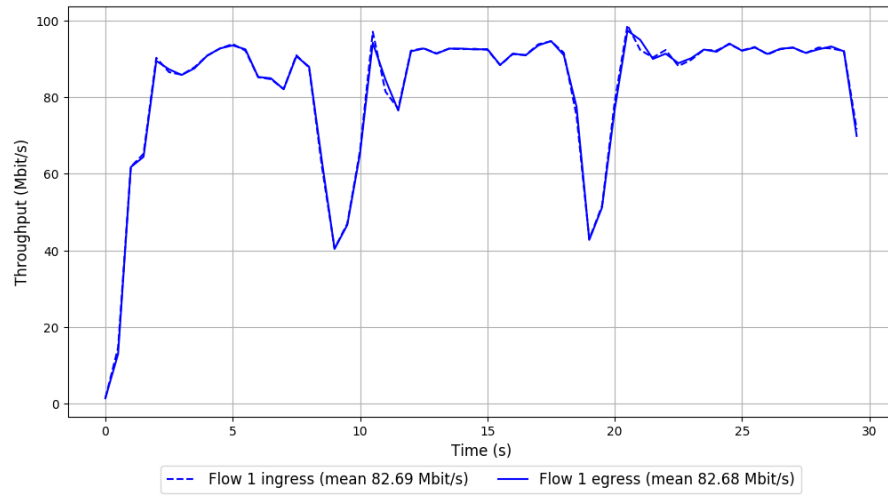
Run 5: Statistics of PCC-Vivace

Start at: 2018-04-17 02:50:10  
End at: 2018-04-17 02:50:40  
Local clock offset: -7.584 ms  
Remote clock offset: -15.121 ms

# Below is generated by plot.py at 2018-04-17 08:33:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.68 Mbit/s  
95th percentile per-packet one-way delay: 20.885 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 82.68 Mbit/s  
95th percentile per-packet one-way delay: 20.885 ms  
Loss rate: 0.09%



### Run 5: Report of PCC-Vivace — Data Link

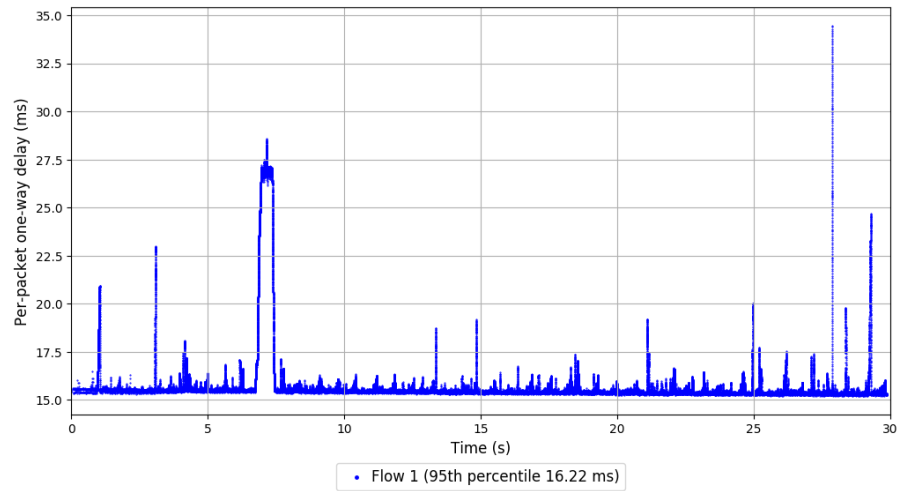
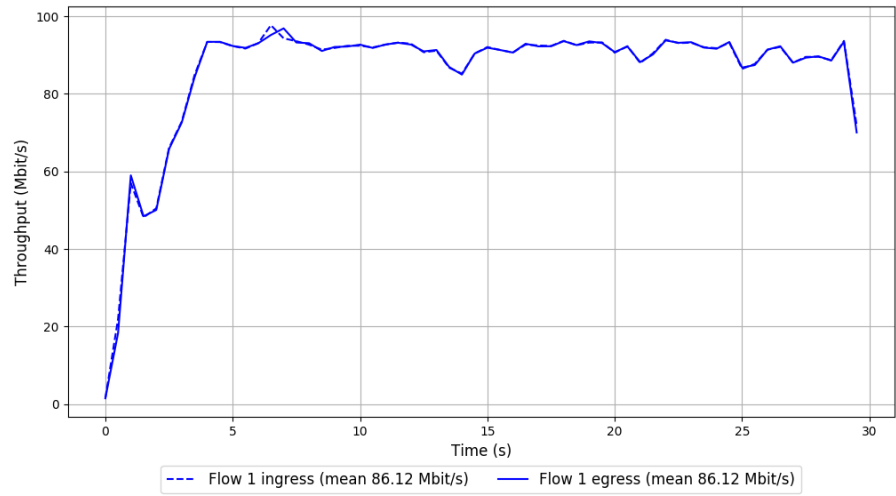


Run 6: Statistics of PCC-Vivace

Start at: 2018-04-17 03:10:38  
End at: 2018-04-17 03:11:08  
Local clock offset: -5.428 ms  
Remote clock offset: -11.705 ms

# Below is generated by plot.py at 2018-04-17 08:33:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 86.12 Mbit/s  
95th percentile per-packet one-way delay: 16.216 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 86.12 Mbit/s  
95th percentile per-packet one-way delay: 16.216 ms  
Loss rate: 0.09%

## Run 6: Report of PCC-Vivace — Data Link

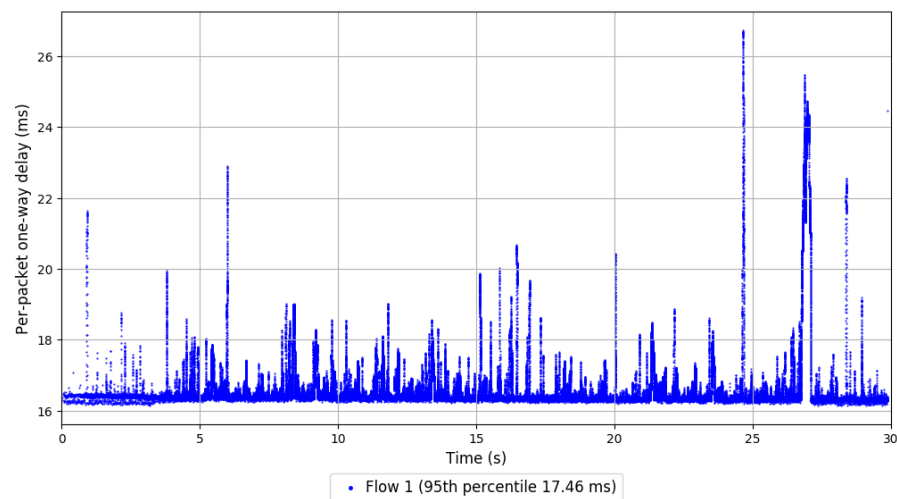
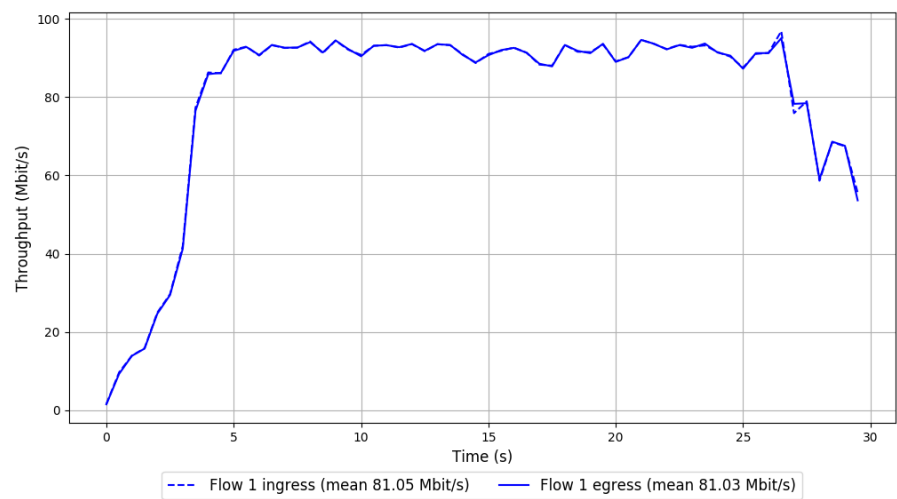


Run 7: Statistics of PCC-Vivace

Start at: 2018-04-17 03:31:16  
End at: 2018-04-17 03:31:46  
Local clock offset: -0.835 ms  
Remote clock offset: -13.012 ms

# Below is generated by plot.py at 2018-04-17 08:33:29  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.03 Mbit/s  
95th percentile per-packet one-way delay: 17.457 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 81.03 Mbit/s  
95th percentile per-packet one-way delay: 17.457 ms  
Loss rate: 0.09%

Run 7: Report of PCC-Vivace — Data Link



Run 8: Statistics of PCC-Vivace

Start at: 2018-04-17 03:52:04

End at: 2018-04-17 03:52:34

Local clock offset: -6.53 ms

Remote clock offset: -11.88 ms

# Below is generated by plot.py at 2018-04-17 08:33:29

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.83 Mbit/s

95th percentile per-packet one-way delay: 14.306 ms

Loss rate: 0.09%

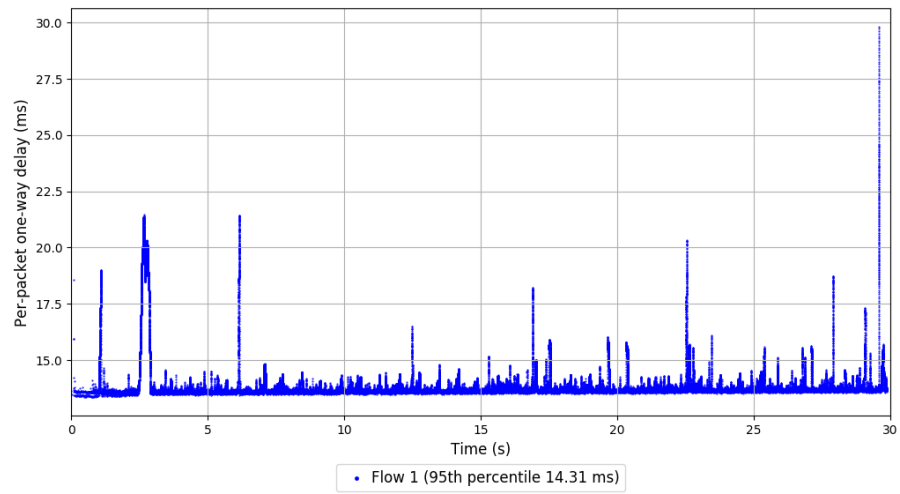
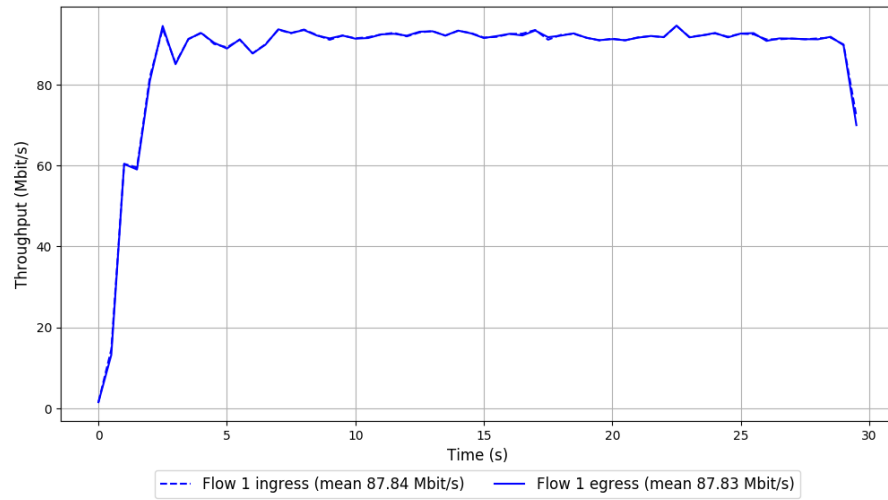
-- Flow 1:

Average throughput: 87.83 Mbit/s

95th percentile per-packet one-way delay: 14.306 ms

Loss rate: 0.09%

# Run 8: Report of PCC-Vivace — Data Link



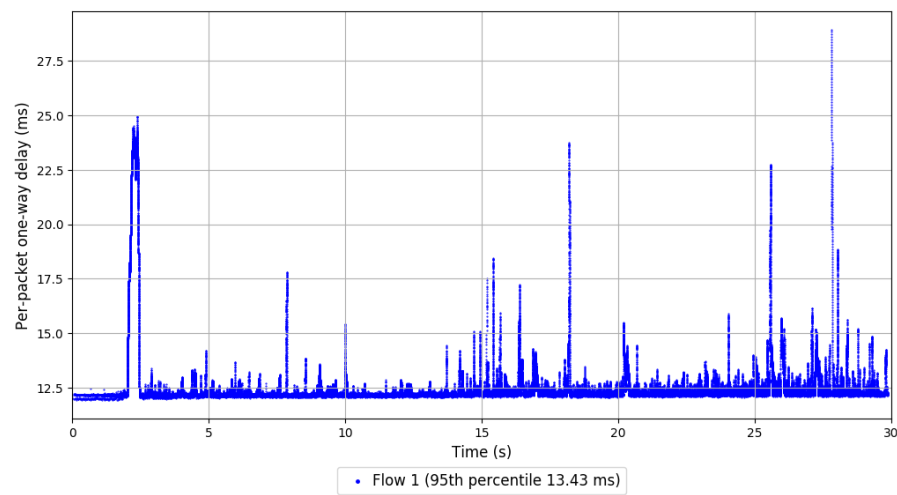
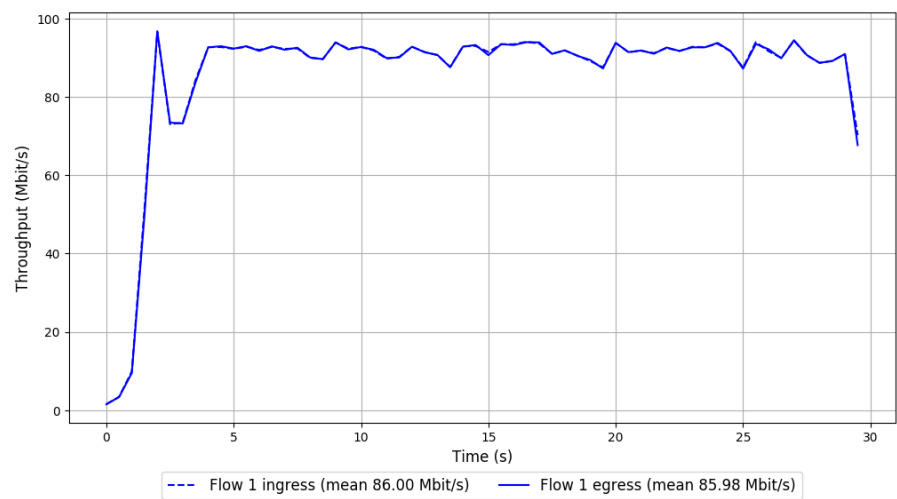
Run 9: Statistics of PCC-Vivace

Start at: 2018-04-17 04:12:45  
End at: 2018-04-17 04:13:15  
Local clock offset: -8.842 ms  
Remote clock offset: -8.059 ms

# Below is generated by plot.py at 2018-04-17 08:33:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.98 Mbit/s  
95th percentile per-packet one-way delay: 13.428 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 85.98 Mbit/s  
95th percentile per-packet one-way delay: 13.428 ms  
Loss rate: 0.11%



Run 9: Report of PCC-Vivace — Data Link



Run 10: Statistics of PCC-Vivace

Start at: 2018-04-17 04:33:38

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

Local clock offset: -3.833 ms

Remote clock offset: -7.858 ms

# Below is generated by plot.py at 2018-04-17 08:33:30

# Datalink statistics

-- Total of 1 flow:

Average throughput: 81.34 Mbit/s

95th percentile per-packet one-way delay: 16.182 ms

Loss rate: 0.10%

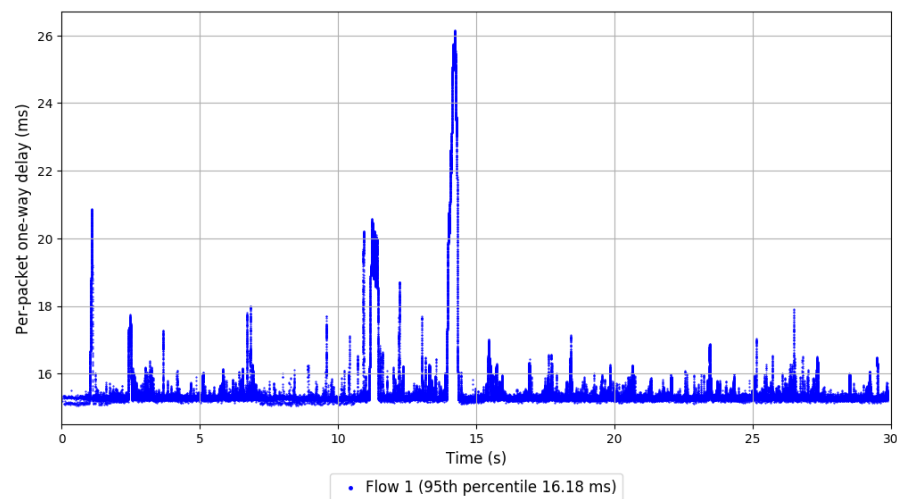
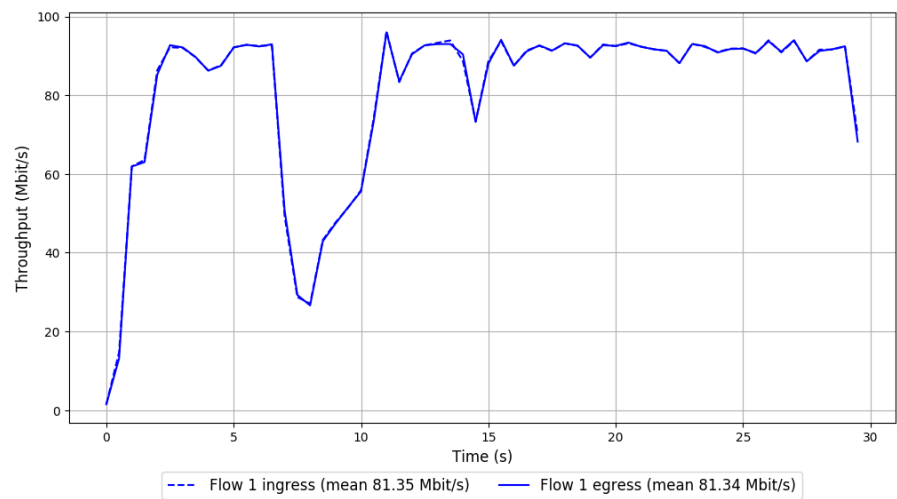
-- Flow 1:

Average throughput: 81.34 Mbit/s

95th percentile per-packet one-way delay: 16.182 ms

Loss rate: 0.10%

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2018-04-17 01:24:55  
End at: 2018-04-17 01:25:25  
Local clock offset: -4.661 ms  
Remote clock offset: -4.616 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 01:44:42  
End at: 2018-04-17 01:45:12  
Local clock offset: -11.837 ms  
Remote clock offset: -5.146 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 02:04:56  
End at: 2018-04-17 02:05:26  
Local clock offset: -12.471 ms  
Remote clock offset: -10.364 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 02:24:53  
End at: 2018-04-17 02:25:23  
Local clock offset: -11.499 ms  
Remote clock offset: -14.691 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 02:45:10  
End at: 2018-04-17 02:45:40  
Local clock offset: -9.326 ms  
Remote clock offset: -14.822 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 03:05:48  
End at: 2018-04-17 03:06:18  
Local clock offset: -8.391 ms  
Remote clock offset: -12.419 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 03:26:19  
End at: 2018-04-17 03:26:49  
Local clock offset: -1.673 ms  
Remote clock offset: -10.075 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 03:47:13  
End at: 2018-04-17 03:47:43  
Local clock offset: -2.985 ms  
Remote clock offset: -11.214 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 04:07:58

End at: 2018-04-17 04:08:28

Local clock offset: -5.975 ms

Remote clock offset: -9.891 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 04:28:49

End at: 2018-04-17 04:29:19

Local clock offset: -6.327 ms

Remote clock offset: -7.41 ms

Run 10: Report of PCC-Expr — Data Link

Figure is missing

Figure is missing