

## Pantheon Report

Generated at 2019-01-24 16:37:01 (UTC).

Data path: AWS California 2 on **ens5** (*local*) → Mexico on **em1** (*remote*).

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

NTP offsets were measured against **time.stanford.edu** and have been applied to correct the timestamps in logs.

### System info:

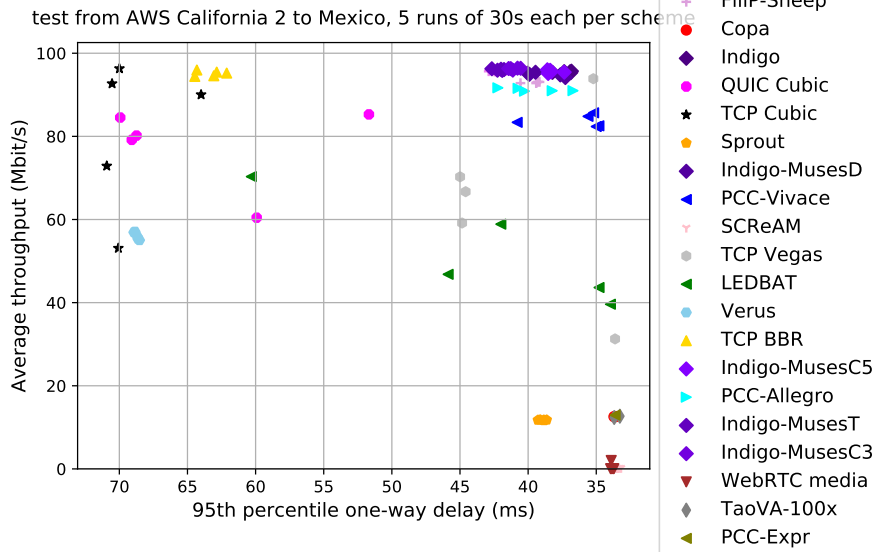
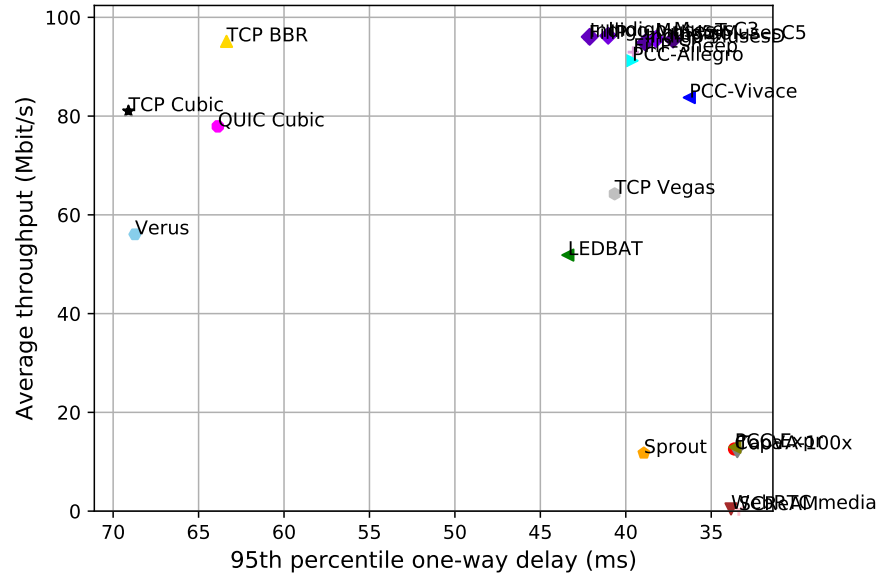
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

### Git summary:

```
branch: muses @ 0b8e9a949603c3842368430acf469eec3b941f9f
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf5e58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ d9c5ea33091330aca25ecd105ab2db6d34d5c40d
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
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-quick @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
  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 @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third\_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

test from AWS California 2 to Mexico, 5 runs of 30s each per scheme  
(mean of all runs by scheme)



scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	95.13	63.36	1.76
Copa	3	12.58	33.64	71.42
TCP Cubic	5	81.00	69.10	0.60
FillP	5	95.64	42.17	0.70
FillP-Sheep	5	92.96	39.56	0.47
Indigo	5	95.51	37.24	0.04
Indigo-MusesC3	5	96.27	41.03	0.04
Indigo-MusesC5	5	95.60	38.23	0.14
Indigo-MusesD	5	94.90	38.86	0.04
Indigo-MusesT	5	96.05	42.11	0.77
LEDBAT	5	51.85	43.39	0.03
PCC-Allegro	5	91.22	39.63	0.70
PCC-Expr	1	12.95	33.62	42.77
QUIC Cubic	5	77.92	63.87	1.33
SCReAM	5	0.21	33.39	0.00
Sprout	5	11.76	38.94	0.12
TaoVA-100x	2	12.52	33.48	77.64
TCP Vegas	5	64.25	40.65	0.39
Verus	5	56.06	68.72	23.07
PCC-Vivace	5	83.75	36.28	0.11
WebRTC media	5	0.45	33.84	0.00

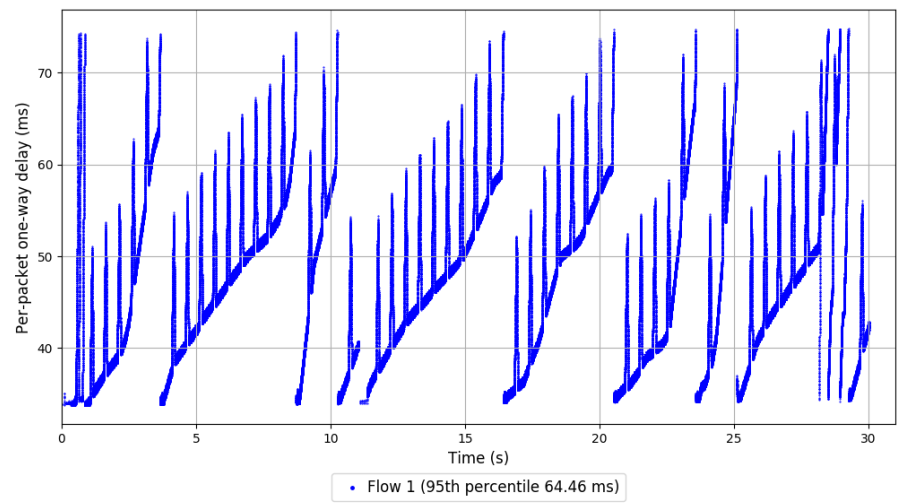
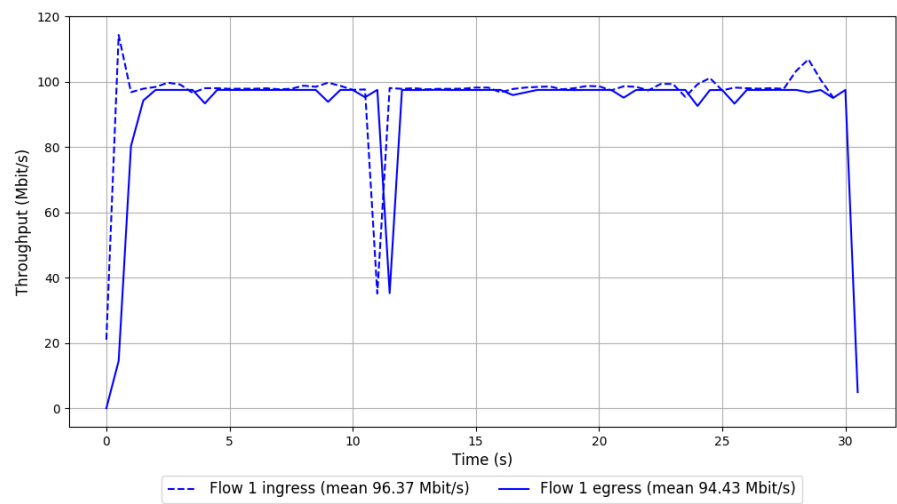


Run 1: Statistics of TCP BBR

Start at: 2019-01-24 14:32:49  
End at: 2019-01-24 14:33:19  
Local clock offset: -11.984 ms  
Remote clock offset: -0.821 ms

# Below is generated by plot.py at 2019-01-24 16:27:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.43 Mbit/s  
95th percentile per-packet one-way delay: 64.463 ms  
Loss rate: 1.99%  
-- Flow 1:  
Average throughput: 94.43 Mbit/s  
95th percentile per-packet one-way delay: 64.463 ms  
Loss rate: 1.99%

Run 1: Report of TCP BBR — Data Link

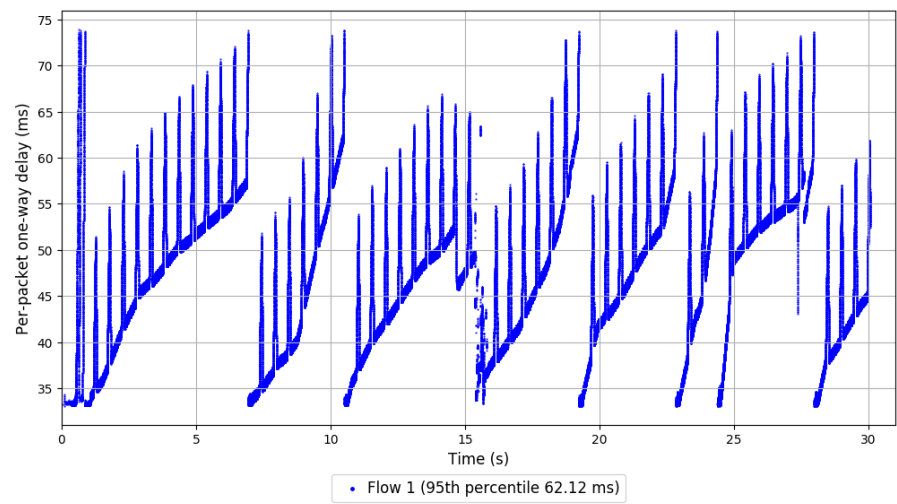
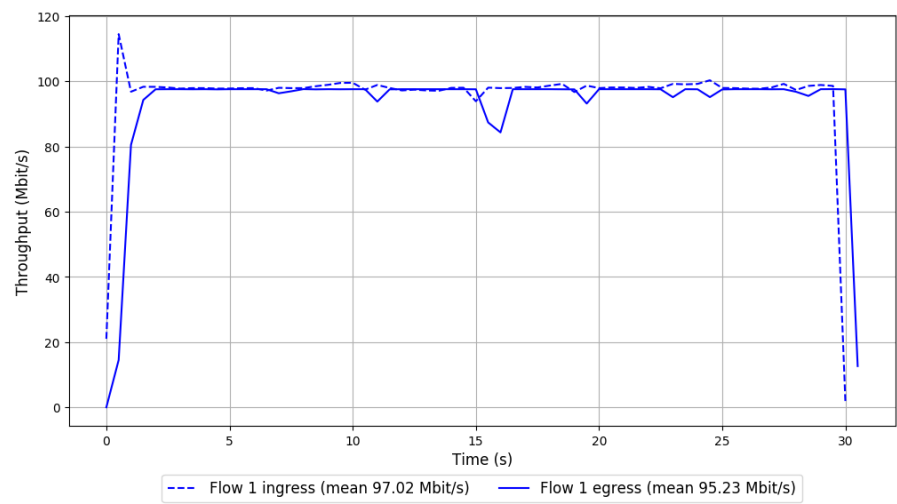


Run 2: Statistics of TCP BBR

Start at: 2019-01-24 14:57:32  
End at: 2019-01-24 14:58:02  
Local clock offset: -8.024 ms  
Remote clock offset: -0.386 ms

# Below is generated by plot.py at 2019-01-24 16:27:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.23 Mbit/s  
95th percentile per-packet one-way delay: 62.122 ms  
Loss rate: 1.78%  
-- Flow 1:  
Average throughput: 95.23 Mbit/s  
95th percentile per-packet one-way delay: 62.122 ms  
Loss rate: 1.78%

Run 2: Report of TCP BBR — Data Link

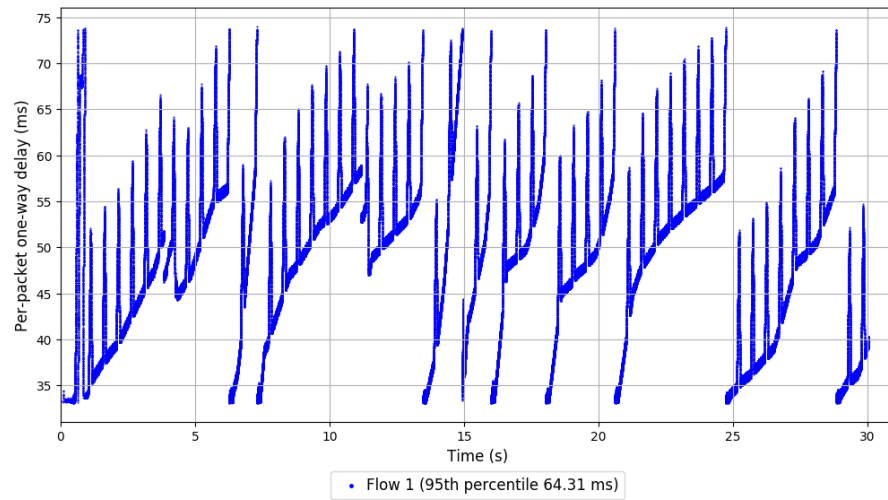
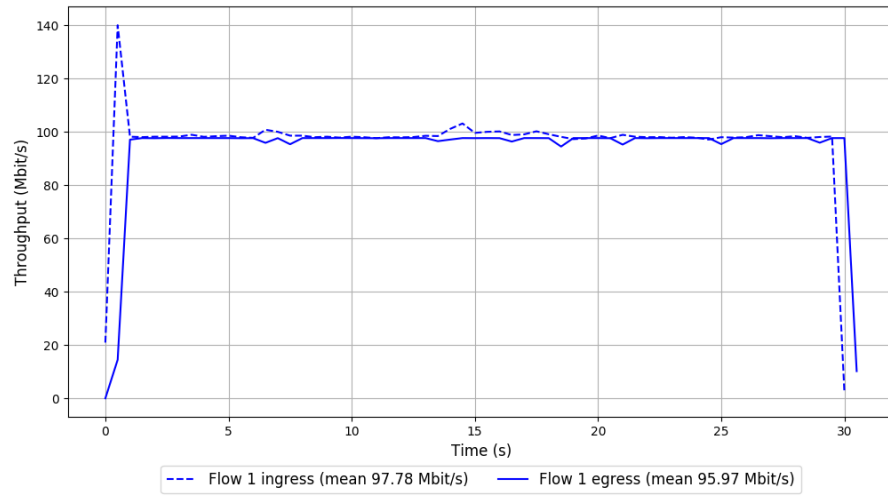


Run 3: Statistics of TCP BBR

Start at: 2019-01-24 15:23:06  
End at: 2019-01-24 15:23:36  
Local clock offset: -3.777 ms  
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2019-01-24 16:28:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.97 Mbit/s  
95th percentile per-packet one-way delay: 64.312 ms  
Loss rate: 1.83%  
-- Flow 1:  
Average throughput: 95.97 Mbit/s  
95th percentile per-packet one-way delay: 64.312 ms  
Loss rate: 1.83%

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



Run 4: Statistics of TCP BBR

Start at: 2019-01-24 15:48:13

End at: 2019-01-24 15:48:43

Local clock offset: -1.977 ms

Remote clock offset: 0.164 ms

# Below is generated by plot.py at 2019-01-24 16:28:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 62.855 ms

Loss rate: 1.76%

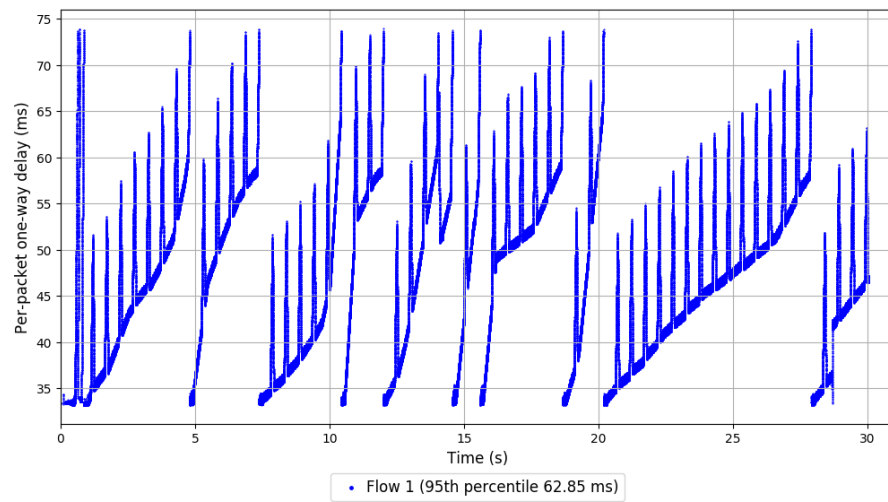
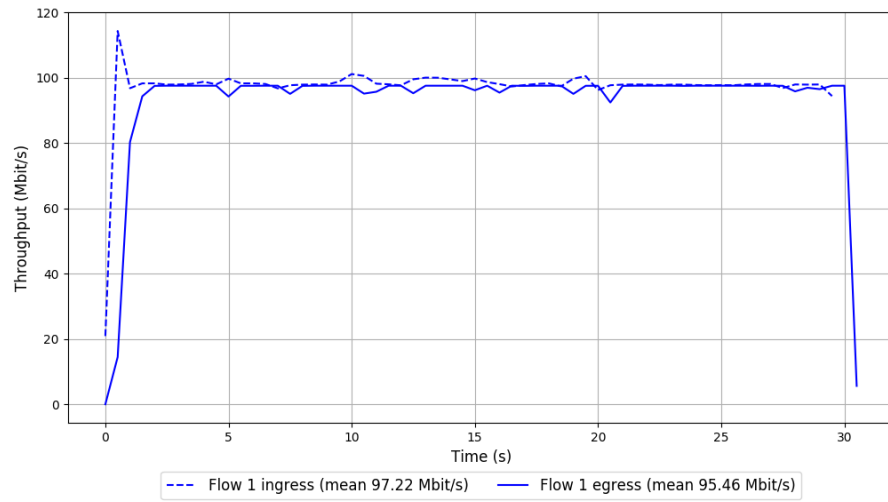
-- Flow 1:

Average throughput: 95.46 Mbit/s

95th percentile per-packet one-way delay: 62.855 ms

Loss rate: 1.76%

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





Run 5: Statistics of TCP BBR

Start at: 2019-01-24 16:12:44

End at: 2019-01-24 16:13:14

Local clock offset: -1.307 ms

Remote clock offset: 0.278 ms

# Below is generated by plot.py at 2019-01-24 16:28:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.58 Mbit/s

95th percentile per-packet one-way delay: 63.067 ms

Loss rate: 1.44%

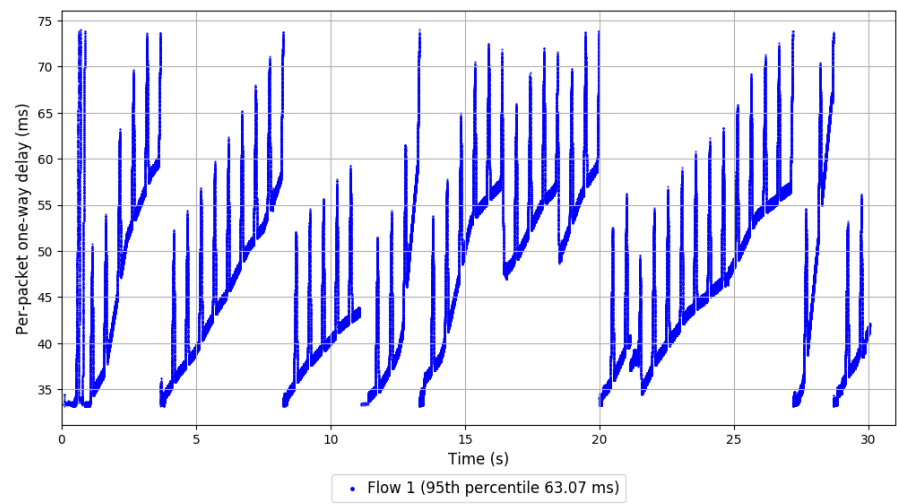
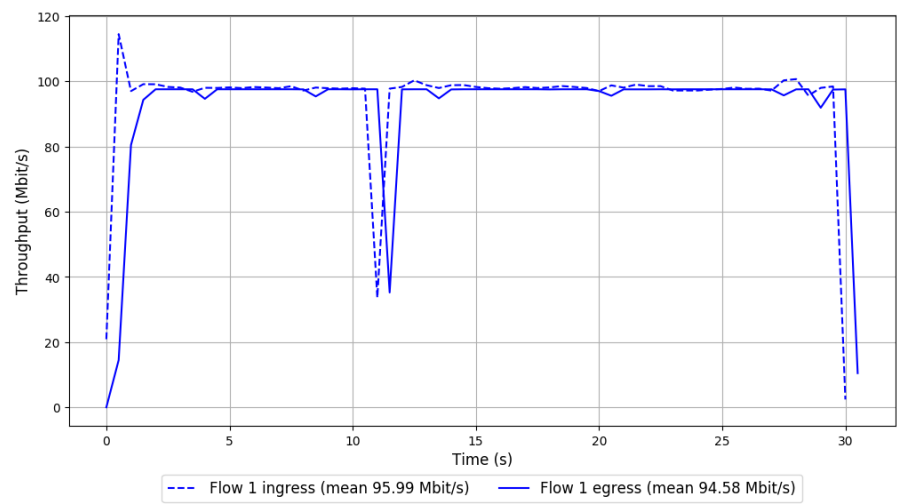
-- Flow 1:

Average throughput: 94.58 Mbit/s

95th percentile per-packet one-way delay: 63.067 ms

Loss rate: 1.44%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

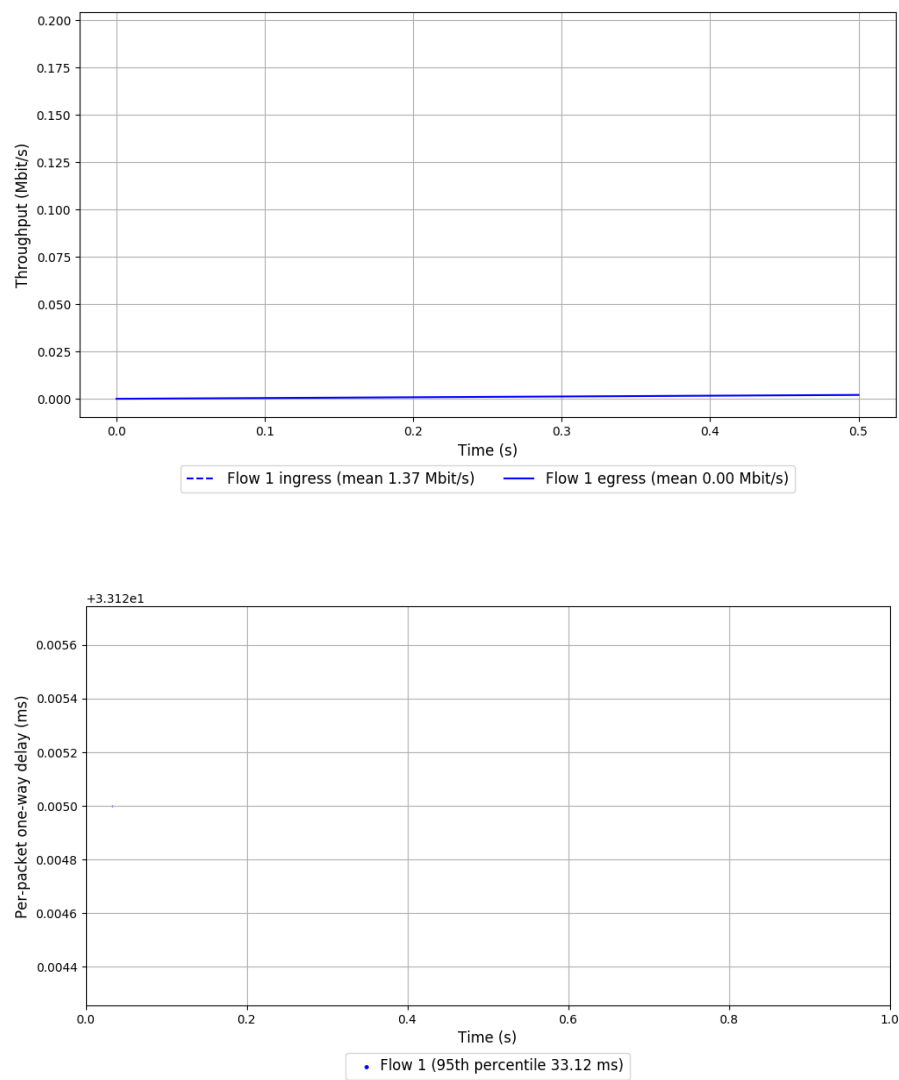
Start at: 2019-01-24 14:25:55

End at: 2019-01-24 14:26:25

Local clock offset: -13.971 ms

Remote clock offset: -0.829 ms

Run 1: Report of Copa — Data Link

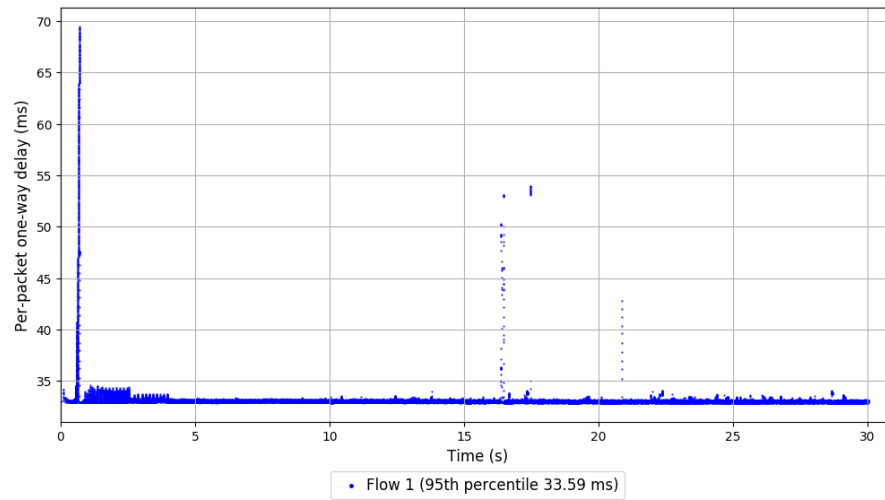
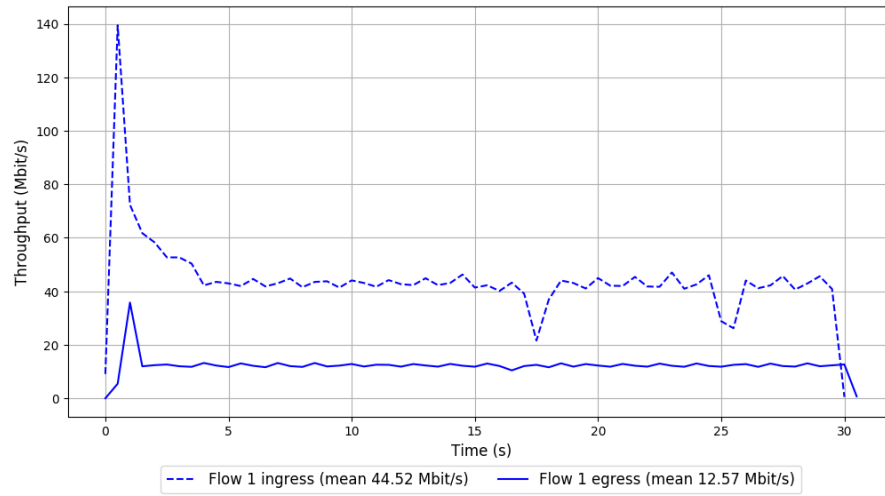


Run 2: Statistics of Copa

Start at: 2019-01-24 14:50:31  
End at: 2019-01-24 14:51:01  
Local clock offset: -6.921 ms  
Remote clock offset: -0.724 ms

# Below is generated by plot.py at 2019-01-24 16:28:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.57 Mbit/s  
95th percentile per-packet one-way delay: 33.591 ms  
Loss rate: 71.77%  
-- Flow 1:  
Average throughput: 12.57 Mbit/s  
95th percentile per-packet one-way delay: 33.591 ms  
Loss rate: 71.77%

## Run 2: Report of Copa — Data Link

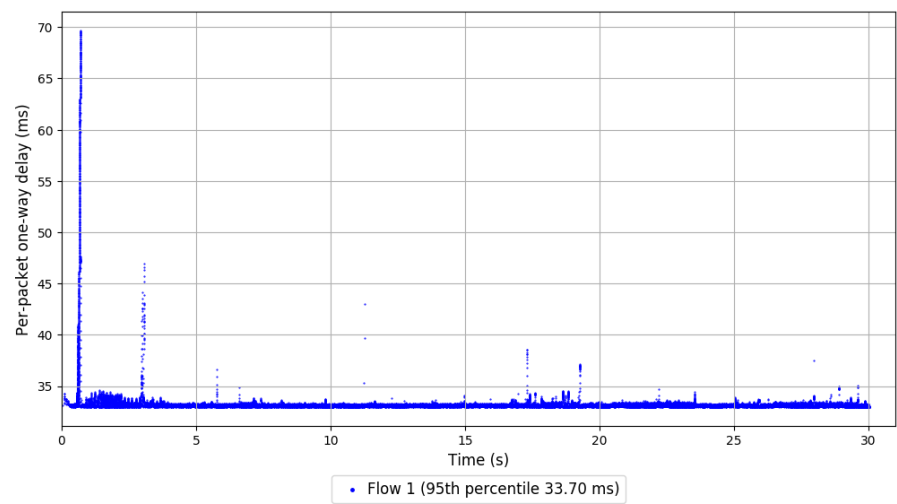
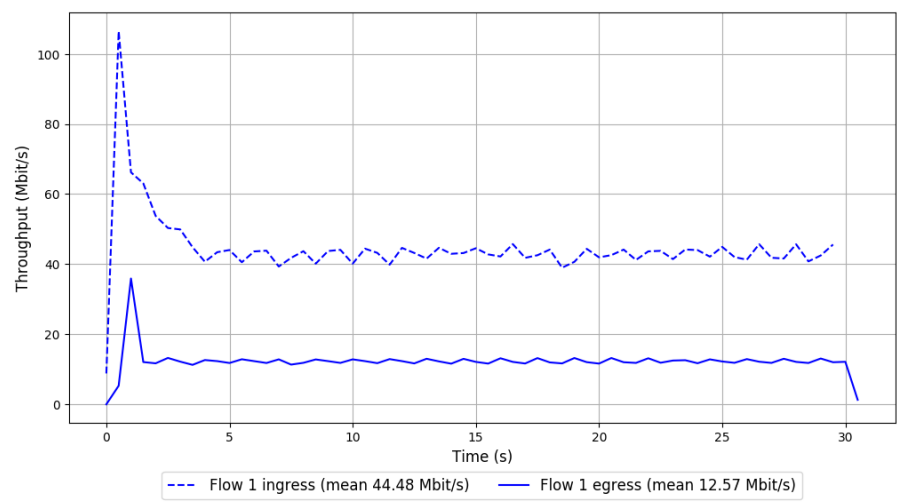


Run 3: Statistics of Copa

Start at: 2019-01-24 15:15:57  
End at: 2019-01-24 15:16:28  
Local clock offset: -3.503 ms  
Remote clock offset: -0.333 ms

# Below is generated by plot.py at 2019-01-24 16:28:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.57 Mbit/s  
95th percentile per-packet one-way delay: 33.705 ms  
Loss rate: 71.74%  
-- Flow 1:  
Average throughput: 12.57 Mbit/s  
95th percentile per-packet one-way delay: 33.705 ms  
Loss rate: 71.74%

Run 3: Report of Copa — Data Link





Run 4: Statistics of Copa

Start at: 2019-01-24 15:40:56

End at: 2019-01-24 15:41:26

Local clock offset: -2.038 ms

Remote clock offset: 0.051 ms

# Below is generated by plot.py at 2019-01-24 16:28:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.61 Mbit/s

95th percentile per-packet one-way delay: 33.612 ms

Loss rate: 70.75%

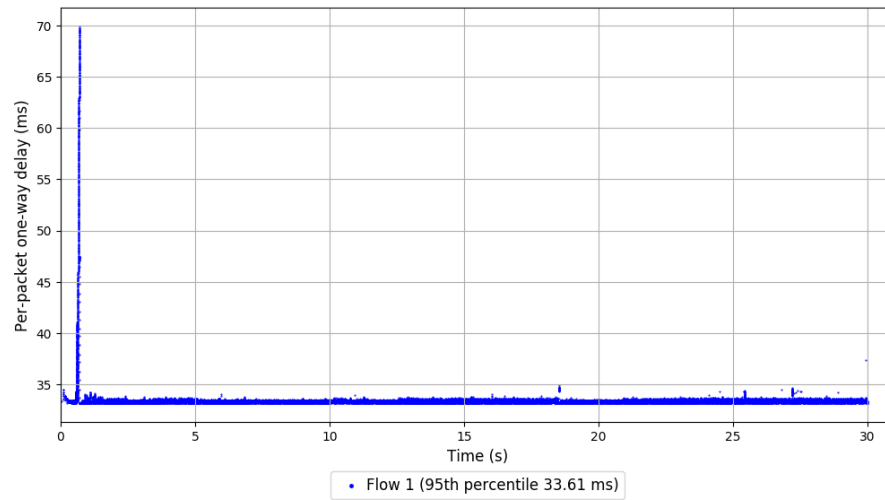
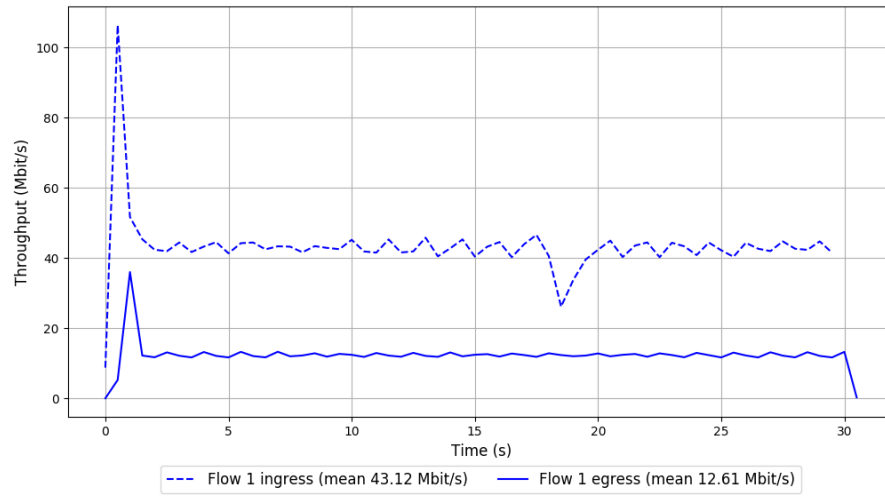
-- Flow 1:

Average throughput: 12.61 Mbit/s

95th percentile per-packet one-way delay: 33.612 ms

Loss rate: 70.75%

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



Run 5: Statistics of Copa

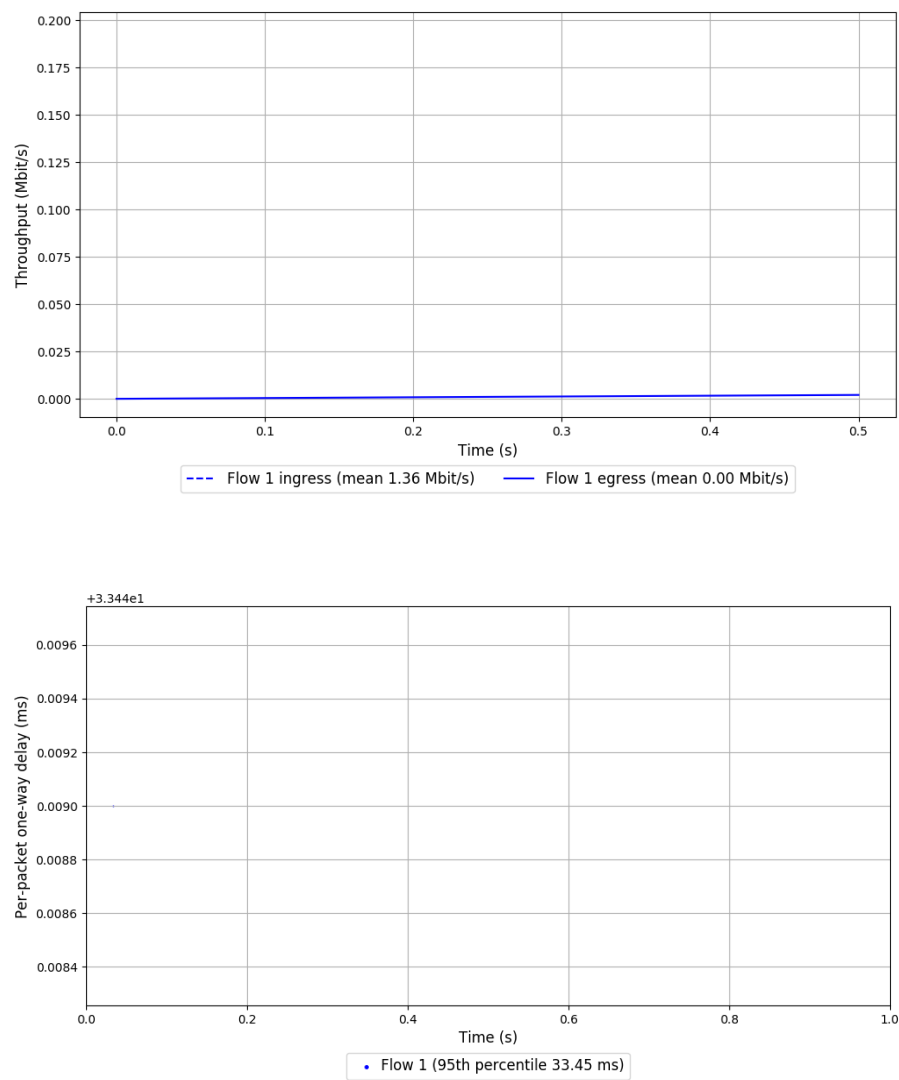
Start at: 2019-01-24 16:05:38

End at: 2019-01-24 16:06:08

Local clock offset: -1.687 ms

Remote clock offset: 0.267 ms

Run 5: Report of Copa — Data Link

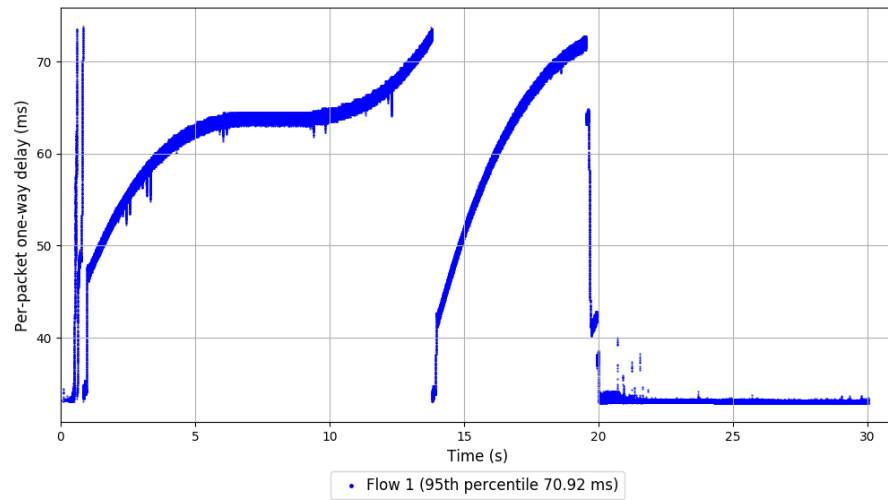
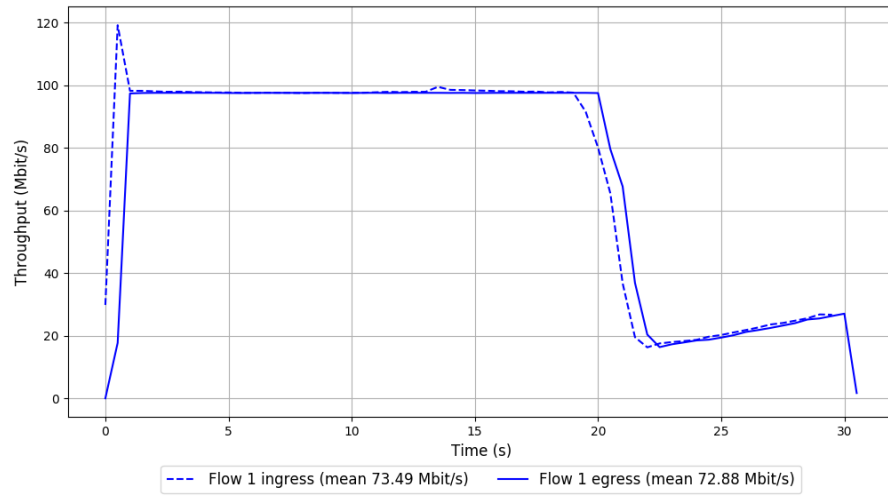


Run 1: Statistics of TCP Cubic

Start at: 2019-01-24 14:28:14  
End at: 2019-01-24 14:28:44  
Local clock offset: -14.852 ms  
Remote clock offset: -0.806 ms

# Below is generated by plot.py at 2019-01-24 16:28:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 72.88 Mbit/s  
95th percentile per-packet one-way delay: 70.924 ms  
Loss rate: 0.83%  
-- Flow 1:  
Average throughput: 72.88 Mbit/s  
95th percentile per-packet one-way delay: 70.924 ms  
Loss rate: 0.83%

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

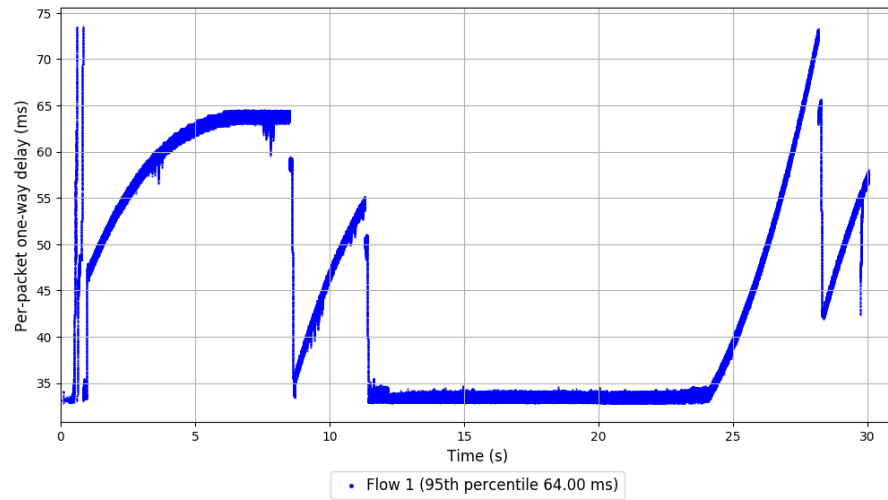
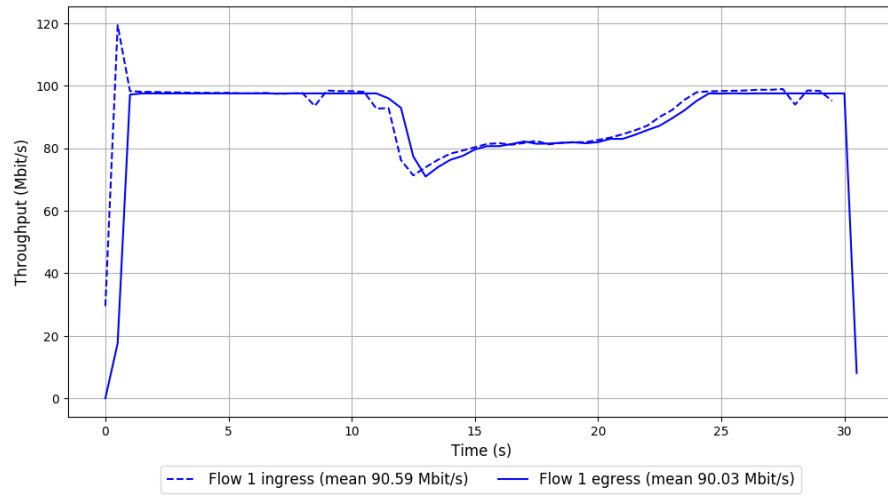


Run 2: Statistics of TCP Cubic

Start at: 2019-01-24 14:52:48  
End at: 2019-01-24 14:53:18  
Local clock offset: -7.222 ms  
Remote clock offset: -0.653 ms

# Below is generated by plot.py at 2019-01-24 16:28:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.03 Mbit/s  
95th percentile per-packet one-way delay: 64.001 ms  
Loss rate: 0.54%  
-- Flow 1:  
Average throughput: 90.03 Mbit/s  
95th percentile per-packet one-way delay: 64.001 ms  
Loss rate: 0.54%

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



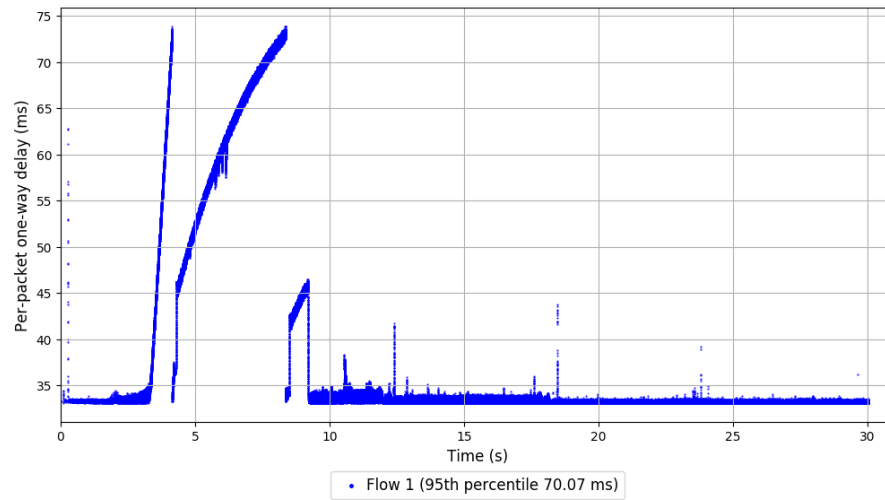
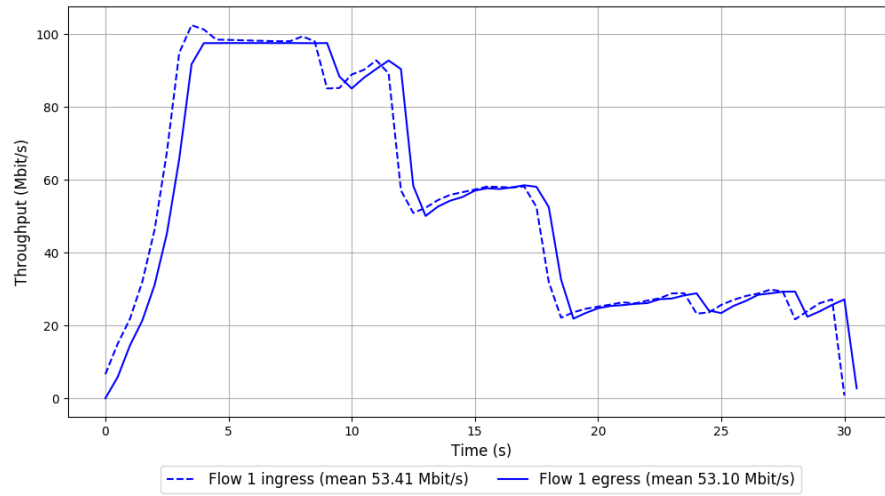


Run 3: Statistics of TCP Cubic

Start at: 2019-01-24 15:18:19  
End at: 2019-01-24 15:18:49  
Local clock offset: -3.536 ms  
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2019-01-24 16:28:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 53.10 Mbit/s  
95th percentile per-packet one-way delay: 70.072 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 53.10 Mbit/s  
95th percentile per-packet one-way delay: 70.072 ms  
Loss rate: 0.58%

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

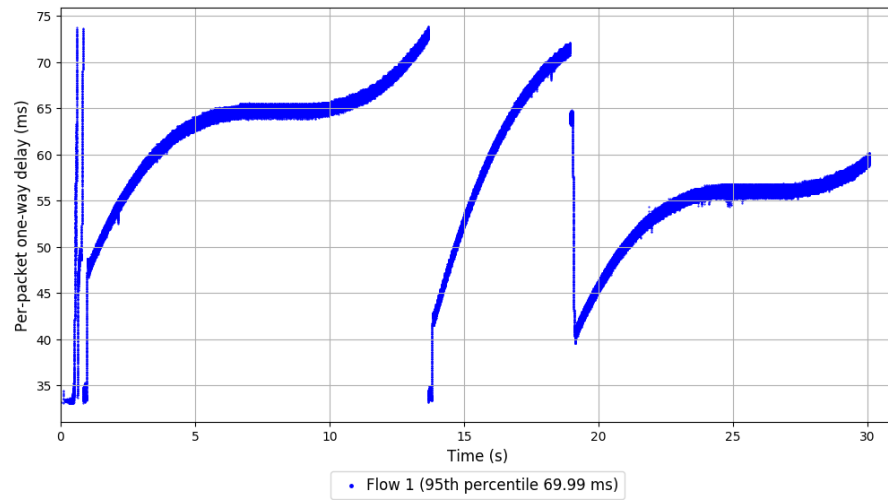
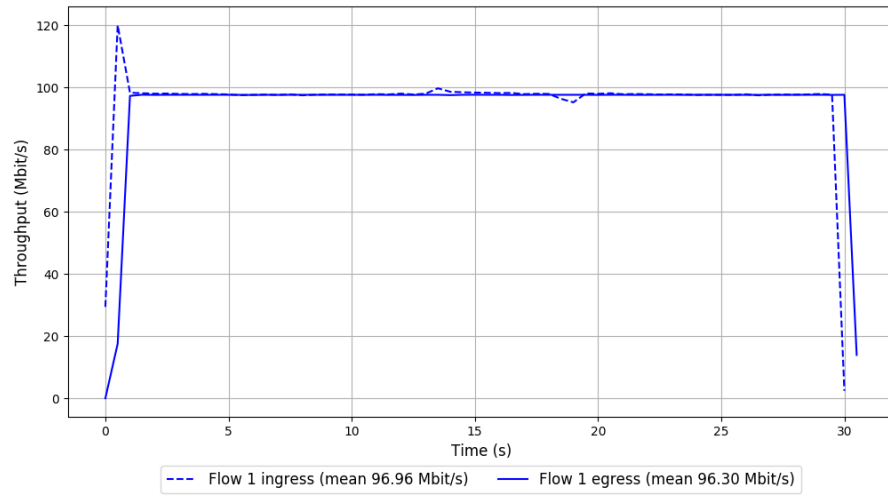


Run 4: Statistics of TCP Cubic

Start at: 2019-01-24 15:43:24  
End at: 2019-01-24 15:43:54  
Local clock offset: -1.935 ms  
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2019-01-24 16:28:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.30 Mbit/s  
95th percentile per-packet one-way delay: 69.993 ms  
Loss rate: 0.59%  
-- Flow 1:  
Average throughput: 96.30 Mbit/s  
95th percentile per-packet one-way delay: 69.993 ms  
Loss rate: 0.59%

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



Run 5: Statistics of TCP Cubic

Start at: 2019-01-24 16:08:01

End at: 2019-01-24 16:08:31

Local clock offset: -1.466 ms

Remote clock offset: 0.258 ms

# Below is generated by plot.py at 2019-01-24 16:29:02

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.68 Mbit/s

95th percentile per-packet one-way delay: 70.534 ms

Loss rate: 0.47%

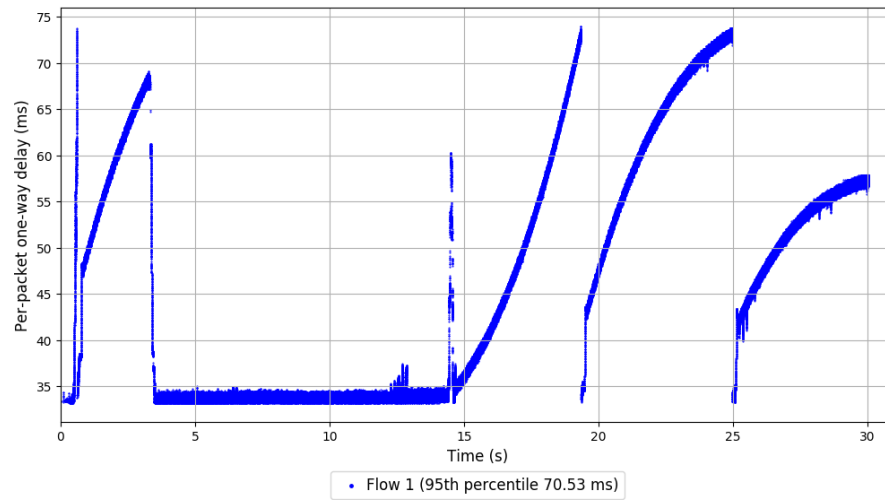
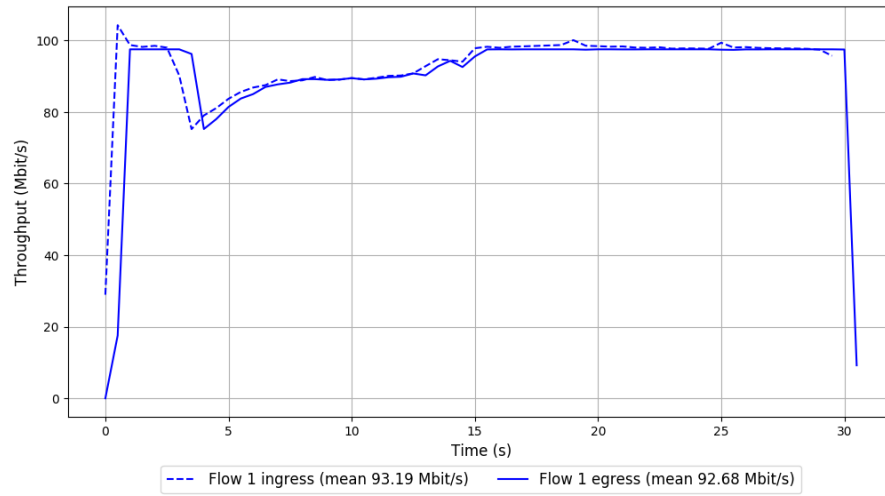
-- Flow 1:

Average throughput: 92.68 Mbit/s

95th percentile per-packet one-way delay: 70.534 ms

Loss rate: 0.47%

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

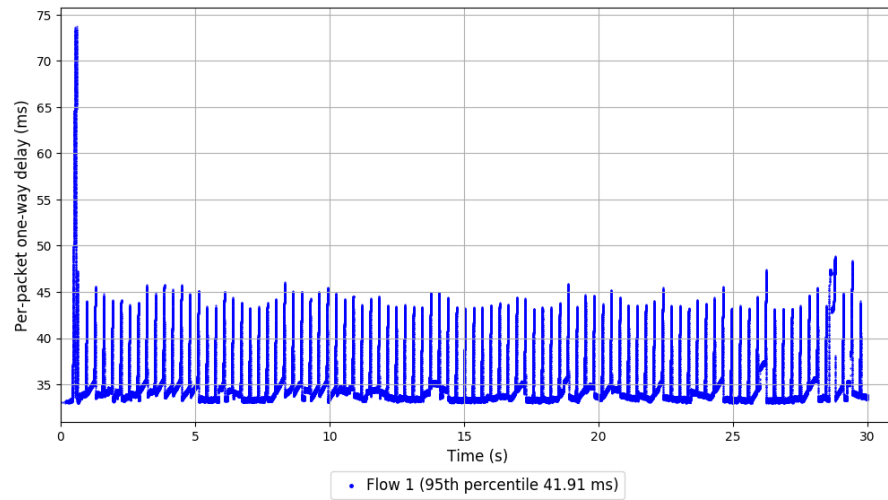
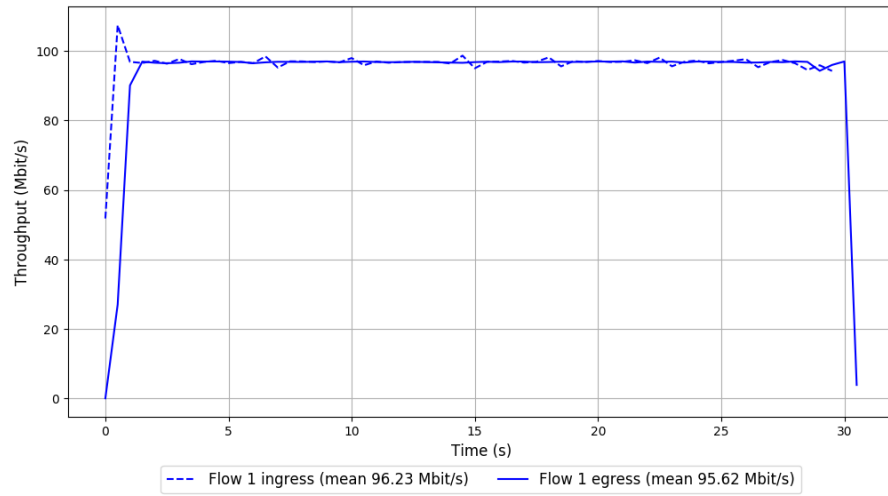


Run 1: Statistics of FillP

Start at: 2019-01-24 14:21:06  
End at: 2019-01-24 14:21:36  
Local clock offset: -12.651 ms  
Remote clock offset: -0.798 ms

# Below is generated by plot.py at 2019-01-24 16:29:15  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.62 Mbit/s  
95th percentile per-packet one-way delay: 41.914 ms  
Loss rate: 0.63%  
-- Flow 1:  
Average throughput: 95.62 Mbit/s  
95th percentile per-packet one-way delay: 41.914 ms  
Loss rate: 0.63%

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



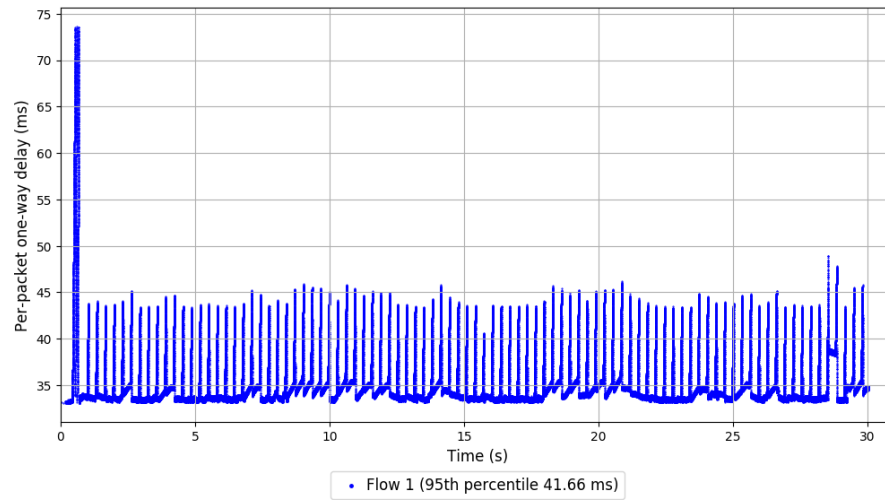
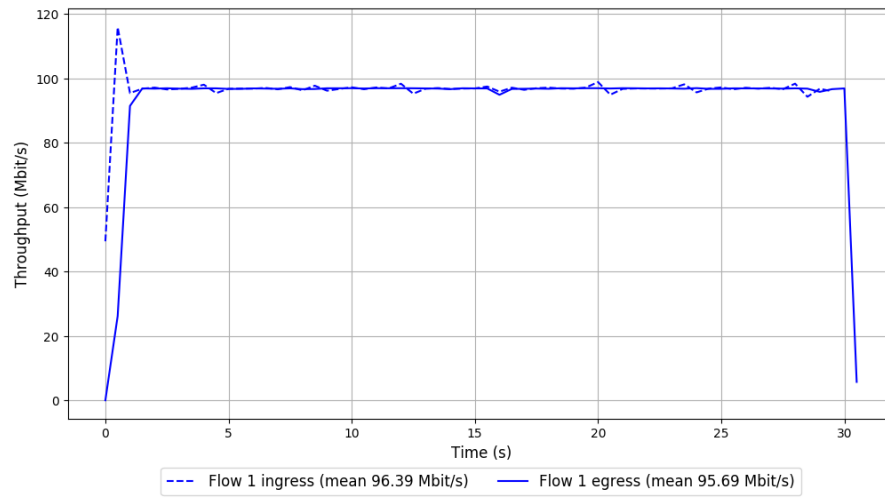


Run 2: Statistics of FillP

Start at: 2019-01-24 14:45:53  
End at: 2019-01-24 14:46:23  
Local clock offset: -6.681 ms  
Remote clock offset: -0.582 ms

# Below is generated by plot.py at 2019-01-24 16:29:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.69 Mbit/s  
95th percentile per-packet one-way delay: 41.660 ms  
Loss rate: 0.73%  
-- Flow 1:  
Average throughput: 95.69 Mbit/s  
95th percentile per-packet one-way delay: 41.660 ms  
Loss rate: 0.73%

## Run 2: Report of FillP — Data Link

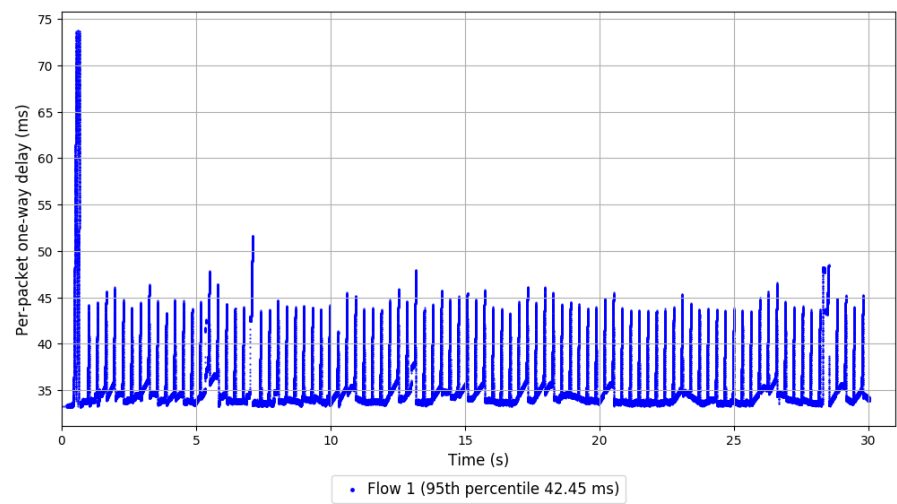
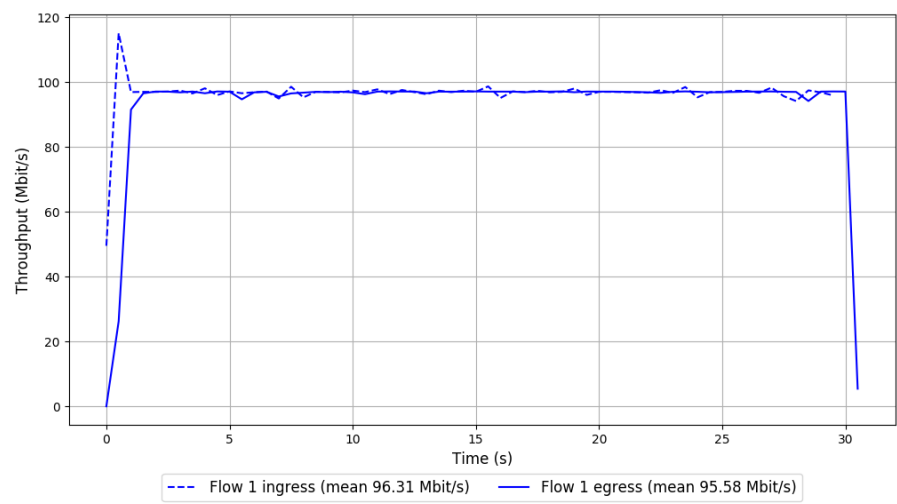


Run 3: Statistics of FillP

Start at: 2019-01-24 15:11:10  
End at: 2019-01-24 15:11:40  
Local clock offset: -3.843 ms  
Remote clock offset: -0.165 ms

# Below is generated by plot.py at 2019-01-24 16:29:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.58 Mbit/s  
95th percentile per-packet one-way delay: 42.452 ms  
Loss rate: 0.76%  
-- Flow 1:  
Average throughput: 95.58 Mbit/s  
95th percentile per-packet one-way delay: 42.452 ms  
Loss rate: 0.76%

Run 3: Report of FillP — Data Link

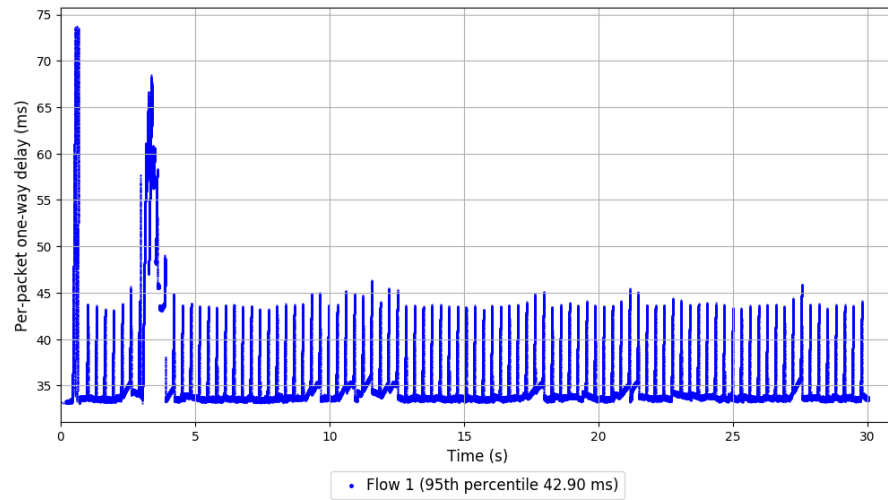
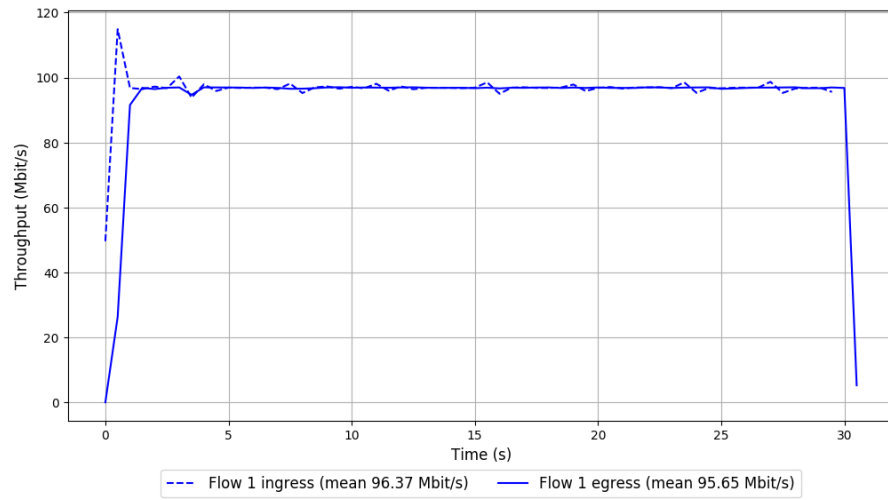


Run 4: Statistics of FillP

Start at: 2019-01-24 15:36:23  
End at: 2019-01-24 15:36:53  
Local clock offset: -2.558 ms  
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2019-01-24 16:29:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.65 Mbit/s  
95th percentile per-packet one-way delay: 42.895 ms  
Loss rate: 0.74%  
-- Flow 1:  
Average throughput: 95.65 Mbit/s  
95th percentile per-packet one-way delay: 42.895 ms  
Loss rate: 0.74%

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



Run 5: Statistics of FillP

Start at: 2019-01-24 16:01:04

End at: 2019-01-24 16:01:34

Local clock offset: -2.418 ms

Remote clock offset: 0.042 ms

# Below is generated by plot.py at 2019-01-24 16:29:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 41.925 ms

Loss rate: 0.62%

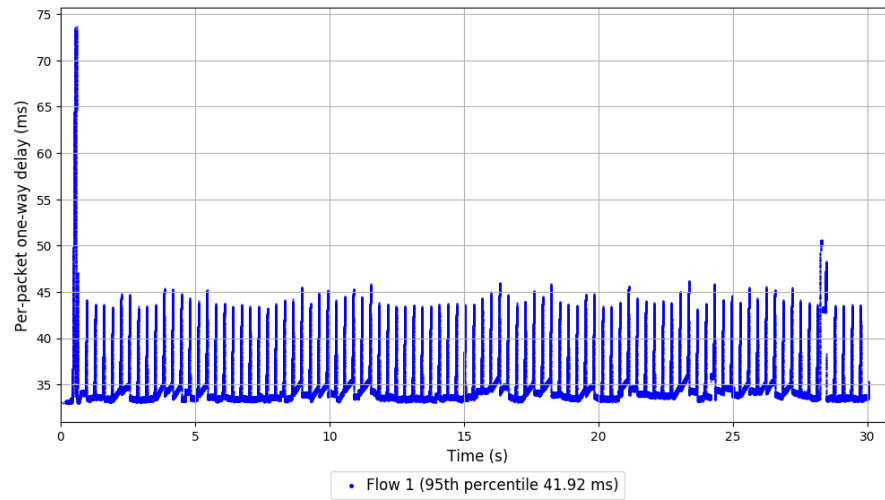
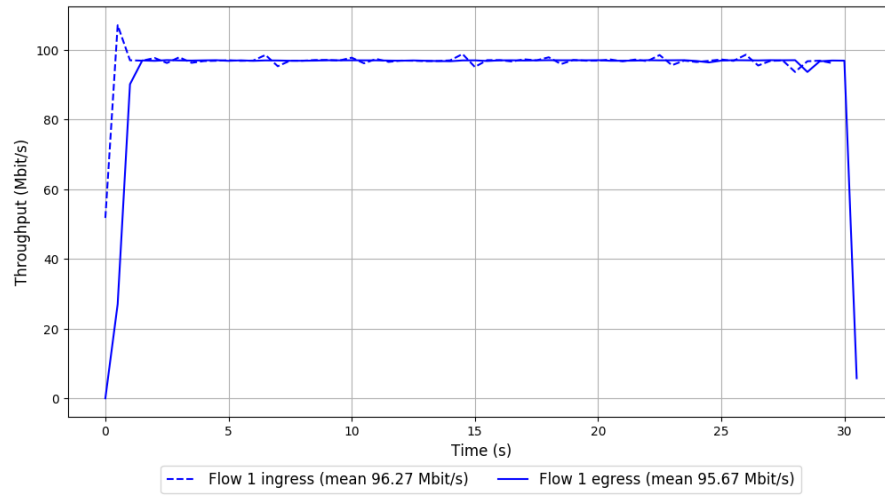
-- Flow 1:

Average throughput: 95.67 Mbit/s

95th percentile per-packet one-way delay: 41.925 ms

Loss rate: 0.62%

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



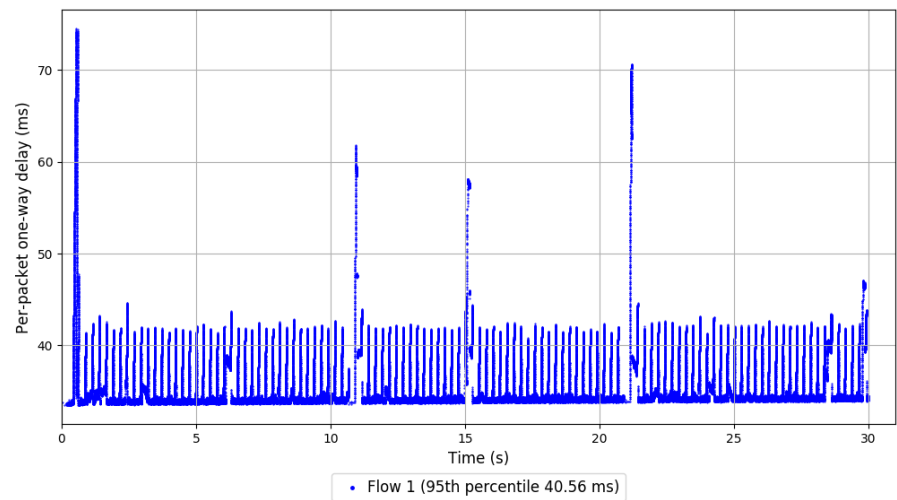
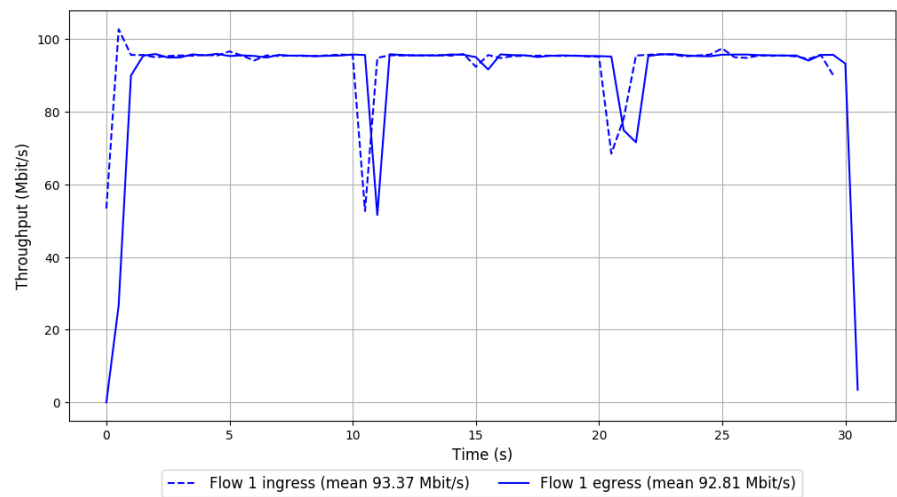


Run 1: Statistics of FillP-Sheep

Start at: 2019-01-24 14:33:59  
End at: 2019-01-24 14:34:29  
Local clock offset: -10.799 ms  
Remote clock offset: -0.754 ms

# Below is generated by plot.py at 2019-01-24 16:29:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.81 Mbit/s  
95th percentile per-packet one-way delay: 40.561 ms  
Loss rate: 0.60%  
-- Flow 1:  
Average throughput: 92.81 Mbit/s  
95th percentile per-packet one-way delay: 40.561 ms  
Loss rate: 0.60%

Run 1: Report of FillP-Sheep — Data Link

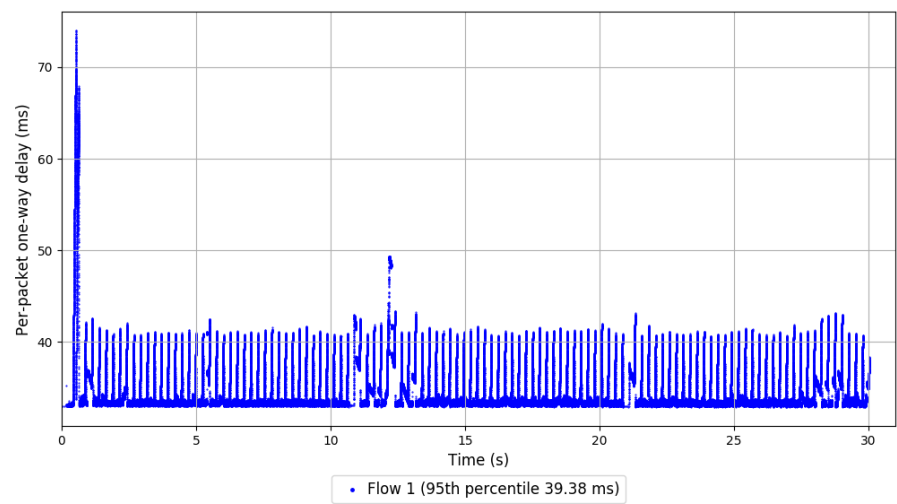
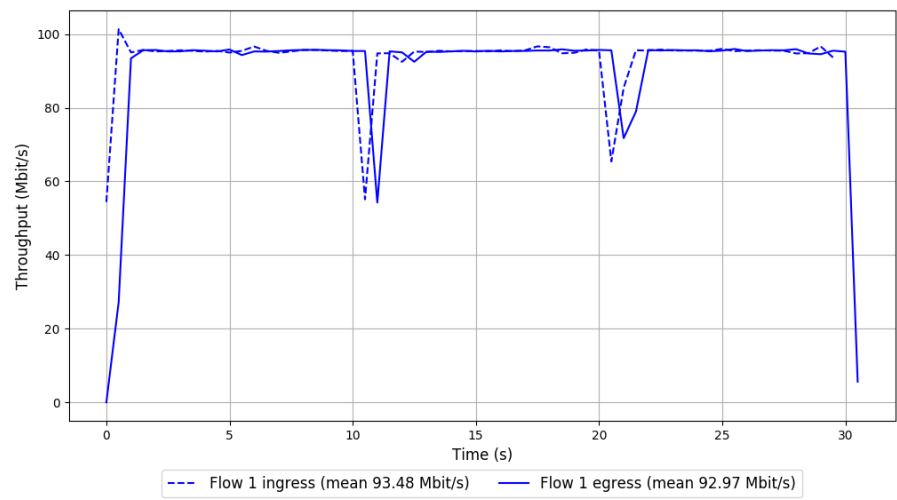


Run 2: Statistics of FillP-Sheep

Start at: 2019-01-24 14:58:51  
End at: 2019-01-24 14:59:21  
Local clock offset: -8.328 ms  
Remote clock offset: -0.435 ms

# Below is generated by plot.py at 2019-01-24 16:30:08  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.97 Mbit/s  
95th percentile per-packet one-way delay: 39.383 ms  
Loss rate: 0.53%  
-- Flow 1:  
Average throughput: 92.97 Mbit/s  
95th percentile per-packet one-way delay: 39.383 ms  
Loss rate: 0.53%

Run 2: Report of FillP-Sheep — Data Link

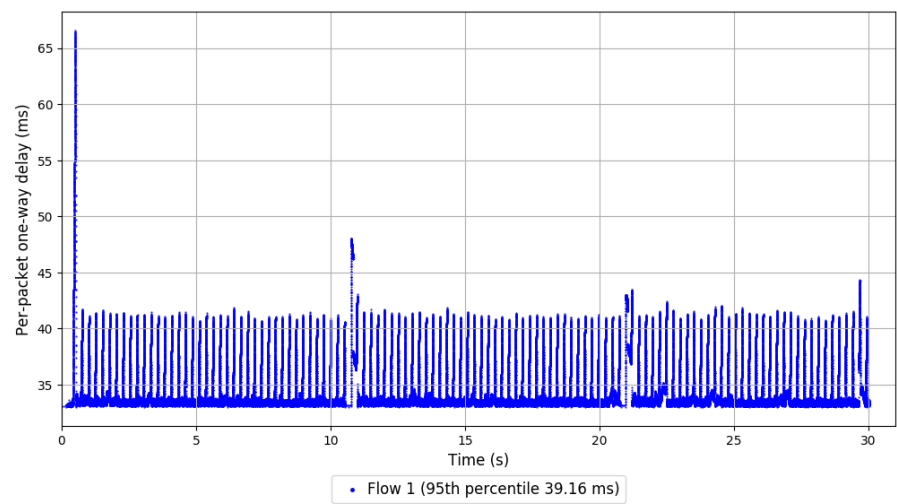
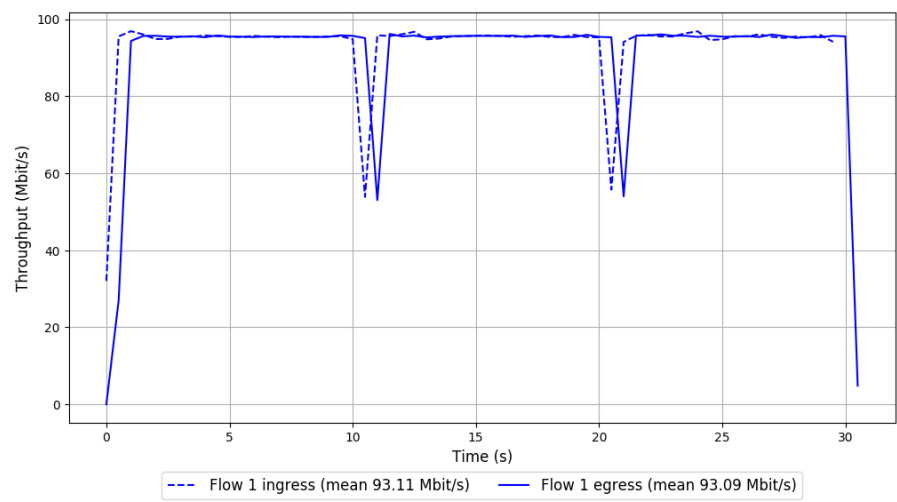


Run 3: Statistics of FillP-Sheep

Start at: 2019-01-24 15:24:22  
End at: 2019-01-24 15:24:52  
Local clock offset: -3.884 ms  
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2019-01-24 16:30:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.09 Mbit/s  
95th percentile per-packet one-way delay: 39.162 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 93.09 Mbit/s  
95th percentile per-packet one-way delay: 39.162 ms  
Loss rate: 0.02%

Run 3: Report of FillP-Sheep — Data Link

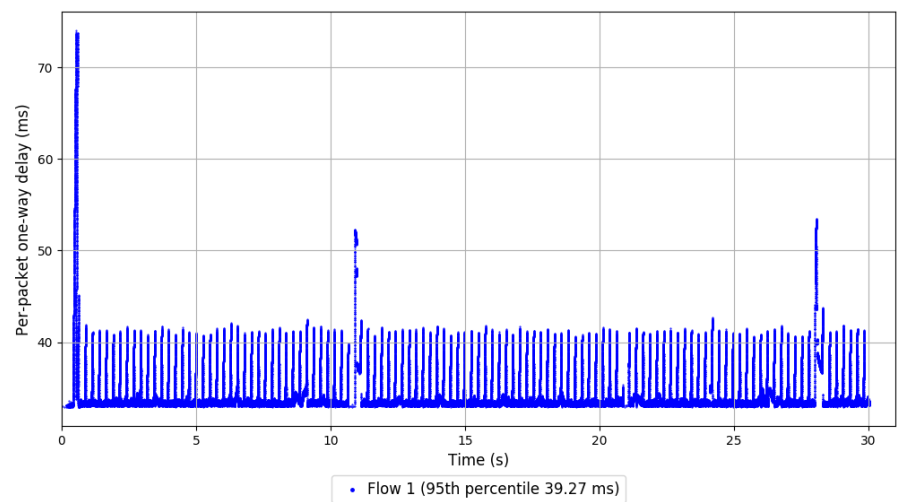
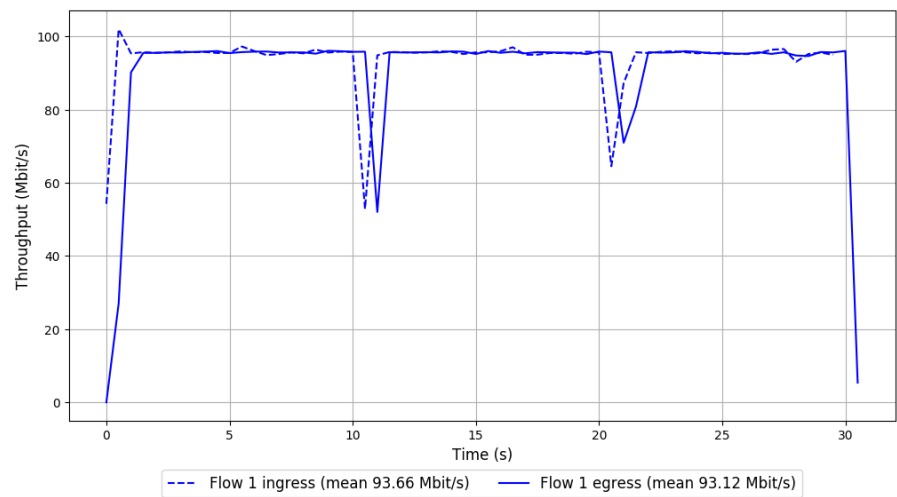


Run 4: Statistics of FillP-Sheep

Start at: 2019-01-24 15:49:25  
End at: 2019-01-24 15:49:55  
Local clock offset: -2.032 ms  
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2019-01-24 16:30:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.12 Mbit/s  
95th percentile per-packet one-way delay: 39.275 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 93.12 Mbit/s  
95th percentile per-packet one-way delay: 39.275 ms  
Loss rate: 0.58%

Run 4: Report of FillP-Sheep — Data Link





Run 5: Statistics of FillP-Sheep

Start at: 2019-01-24 16:13:56

End at: 2019-01-24 16:14:26

Local clock offset: -1.28 ms

Remote clock offset: 0.29 ms

# Below is generated by plot.py at 2019-01-24 16:30:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.80 Mbit/s

95th percentile per-packet one-way delay: 39.410 ms

Loss rate: 0.60%

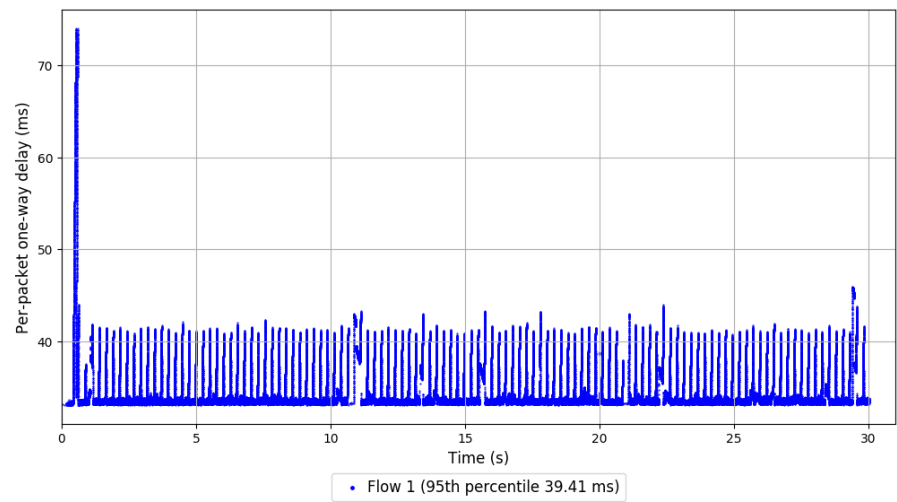
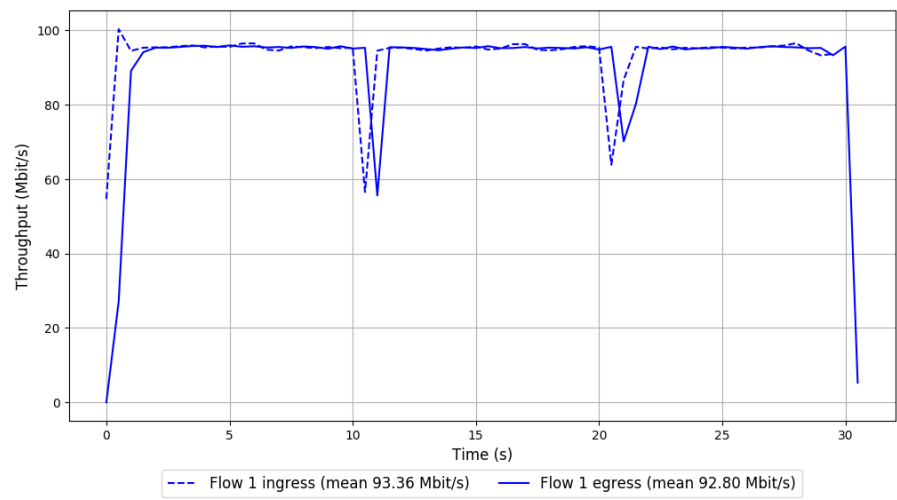
-- Flow 1:

Average throughput: 92.80 Mbit/s

95th percentile per-packet one-way delay: 39.410 ms

Loss rate: 0.60%

Run 5: Report of FillP-Sheep — Data Link

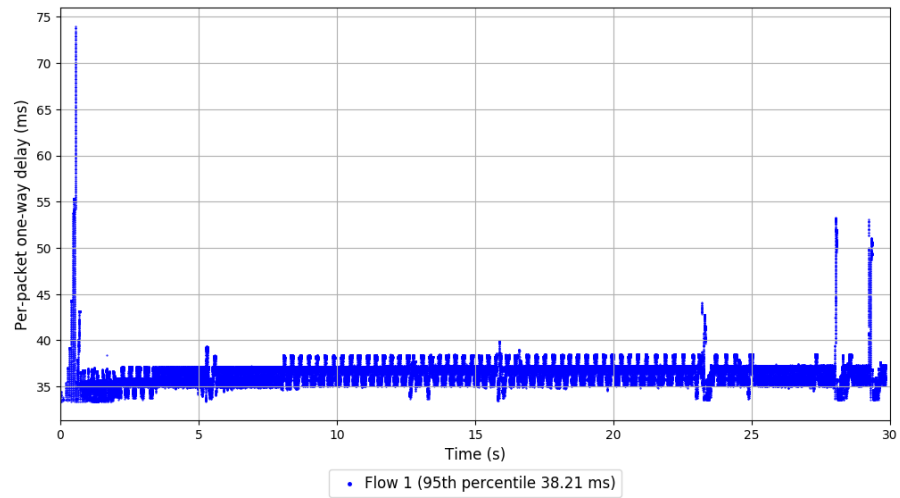
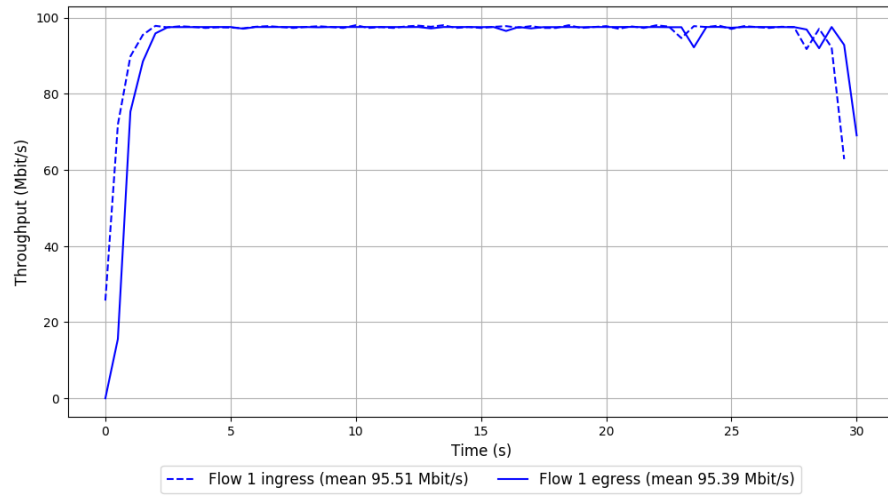


Run 1: Statistics of Indigo

Start at: 2019-01-24 14:37:25  
End at: 2019-01-24 14:37:55  
Local clock offset: -8.409 ms  
Remote clock offset: -0.728 ms

# Below is generated by plot.py at 2019-01-24 16:30:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.39 Mbit/s  
95th percentile per-packet one-way delay: 38.213 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 95.39 Mbit/s  
95th percentile per-packet one-way delay: 38.213 ms  
Loss rate: 0.12%

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

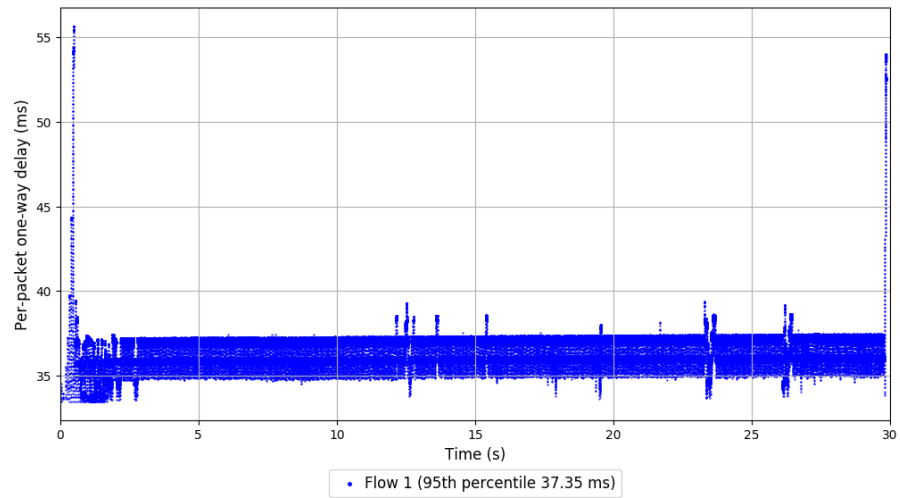
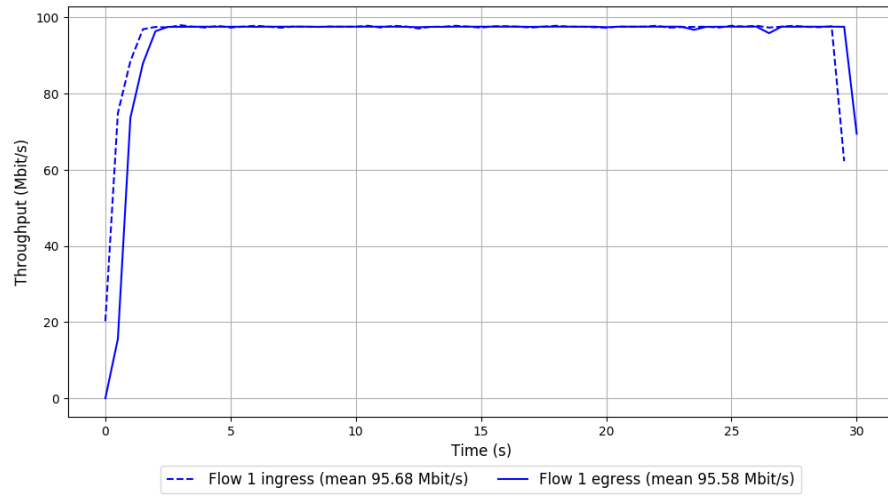


Run 2: Statistics of Indigo

Start at: 2019-01-24 15:02:21  
End at: 2019-01-24 15:02:51  
Local clock offset: -6.797 ms  
Remote clock offset: -0.396 ms

# Below is generated by plot.py at 2019-01-24 16:30:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.58 Mbit/s  
95th percentile per-packet one-way delay: 37.353 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 95.58 Mbit/s  
95th percentile per-packet one-way delay: 37.353 ms  
Loss rate: 0.04%

## Run 2: Report of Indigo — Data Link

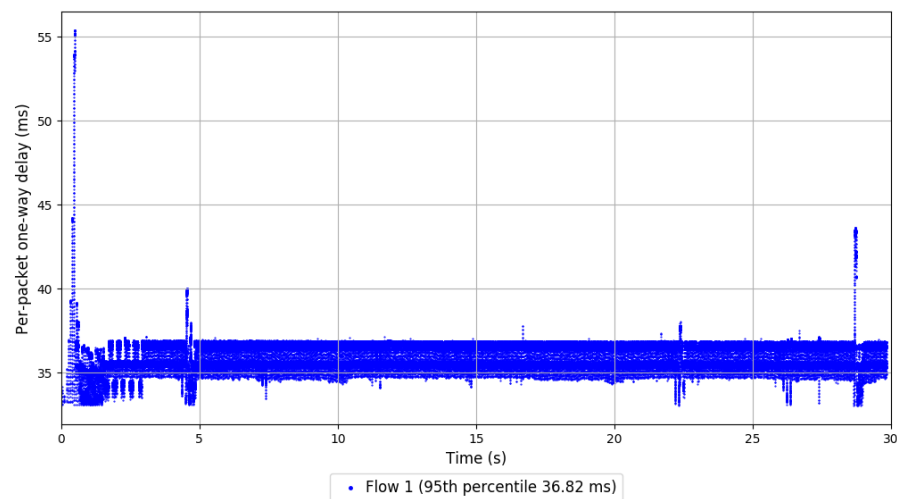
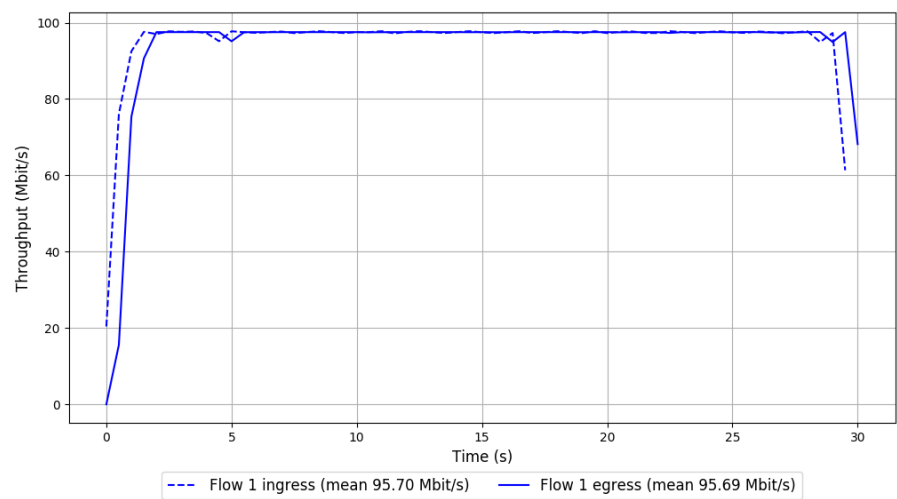


Run 3: Statistics of Indigo

Start at: 2019-01-24 15:27:49  
End at: 2019-01-24 15:28:19  
Local clock offset: -4.217 ms  
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2019-01-24 16:30:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.69 Mbit/s  
95th percentile per-packet one-way delay: 36.822 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 95.69 Mbit/s  
95th percentile per-packet one-way delay: 36.822 ms  
Loss rate: 0.01%

Run 3: Report of Indigo — Data Link





Run 4: Statistics of Indigo

Start at: 2019-01-24 15:52:50

End at: 2019-01-24 15:53:20

Local clock offset: -2.192 ms

Remote clock offset: 0.121 ms

# Below is generated by plot.py at 2019-01-24 16:30:33

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.32 Mbit/s

95th percentile per-packet one-way delay: 36.873 ms

Loss rate: 0.02%

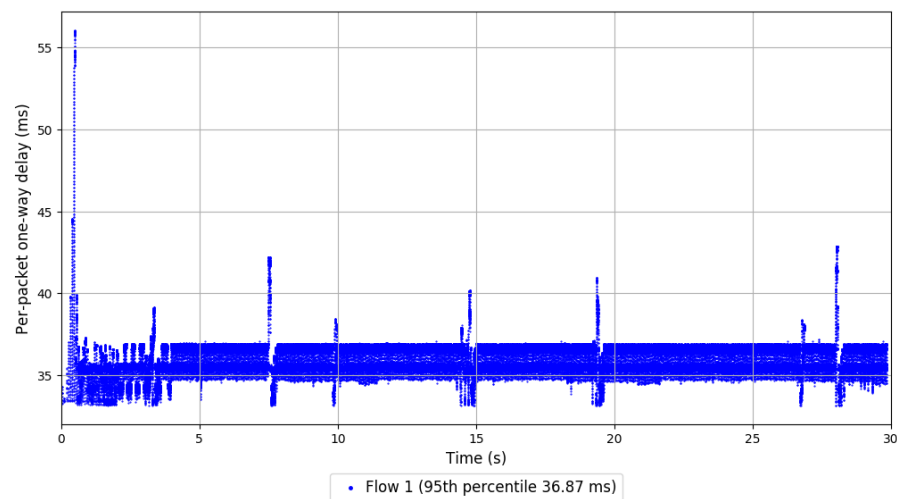
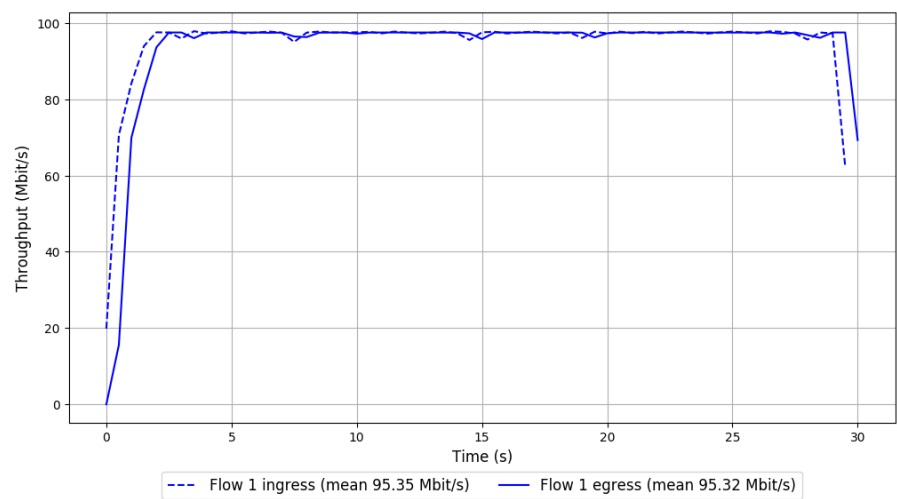
-- Flow 1:

Average throughput: 95.32 Mbit/s

95th percentile per-packet one-way delay: 36.873 ms

Loss rate: 0.02%

Run 4: Report of Indigo — Data Link



Run 5: Statistics of Indigo

Start at: 2019-01-24 16:17:23

End at: 2019-01-24 16:17:53

Local clock offset: -1.307 ms

Remote clock offset: 0.198 ms

# Below is generated by plot.py at 2019-01-24 16:31:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.55 Mbit/s

95th percentile per-packet one-way delay: 36.920 ms

Loss rate: 0.01%

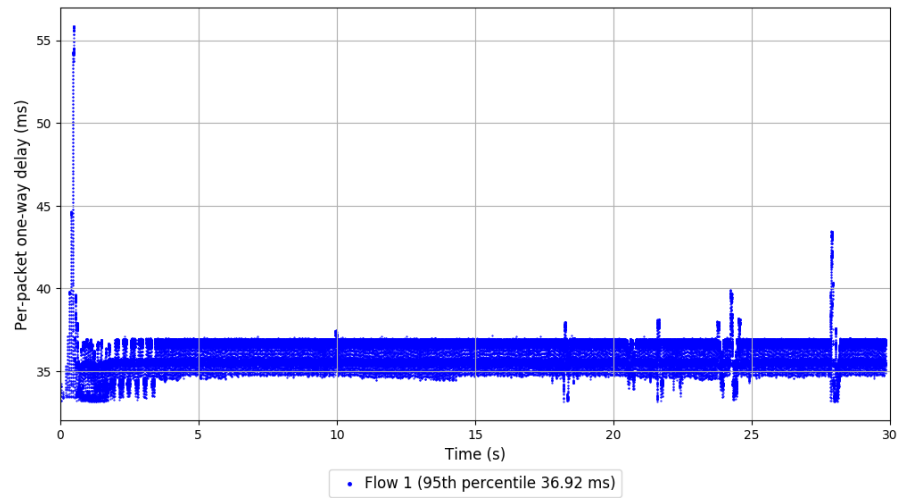
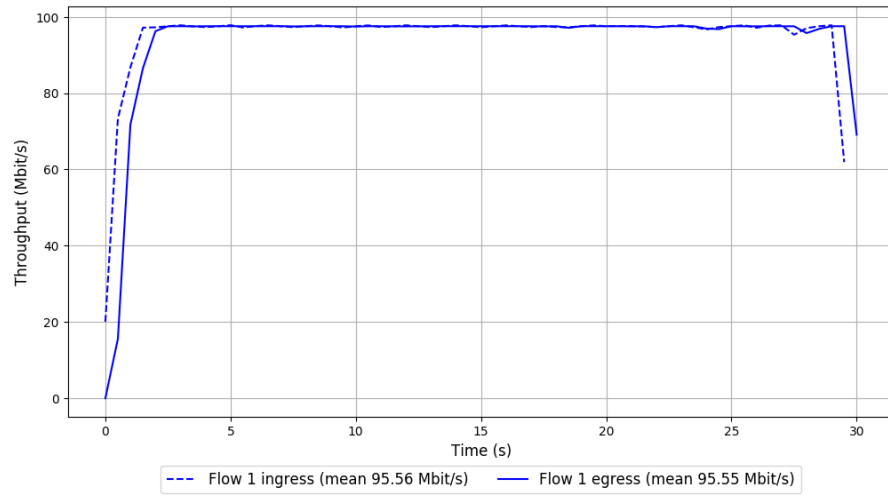
-- Flow 1:

Average throughput: 95.55 Mbit/s

95th percentile per-packet one-way delay: 36.920 ms

Loss rate: 0.01%

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

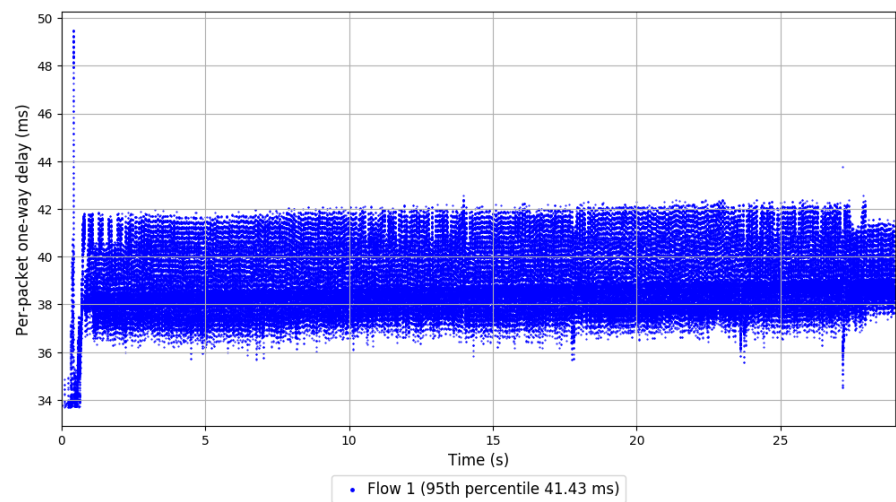
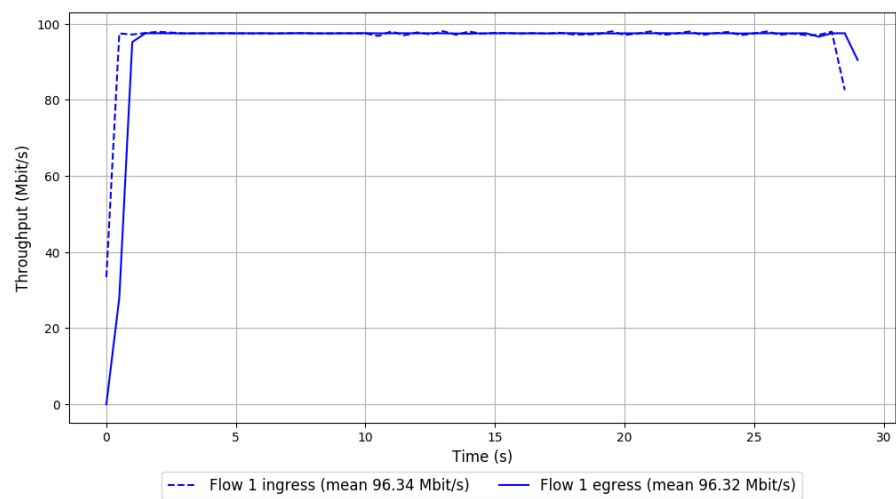


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-01-24 14:30:30  
End at: 2019-01-24 14:31:00  
Local clock offset: -14.522 ms  
Remote clock offset: -0.793 ms

# Below is generated by plot.py at 2019-01-24 16:31:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.32 Mbit/s  
95th percentile per-packet one-way delay: 41.431 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 96.32 Mbit/s  
95th percentile per-packet one-way delay: 41.431 ms  
Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link

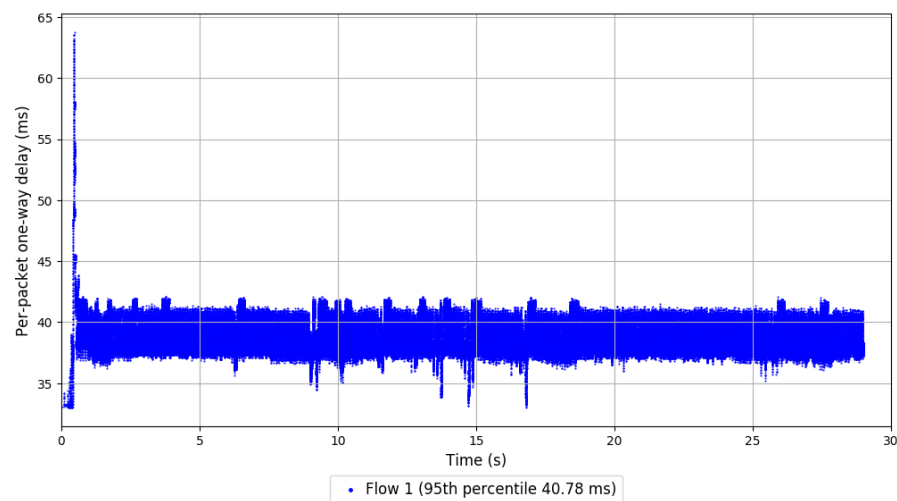
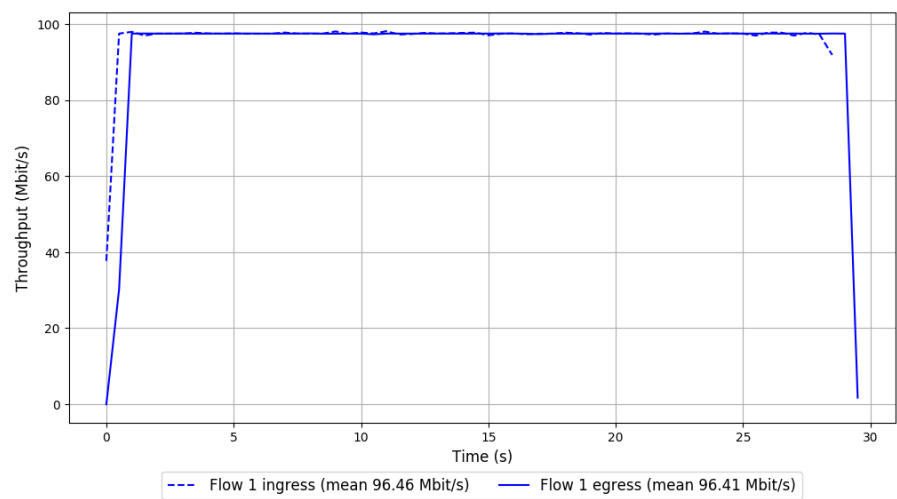


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-01-24 14:55:04  
End at: 2019-01-24 14:55:34  
Local clock offset: -7.552 ms  
Remote clock offset: -0.489 ms

# Below is generated by plot.py at 2019-01-24 16:31:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.41 Mbit/s  
95th percentile per-packet one-way delay: 40.779 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 96.41 Mbit/s  
95th percentile per-packet one-way delay: 40.779 ms  
Loss rate: 0.04%

Run 2: Report of Indigo-MusesC3 — Data Link



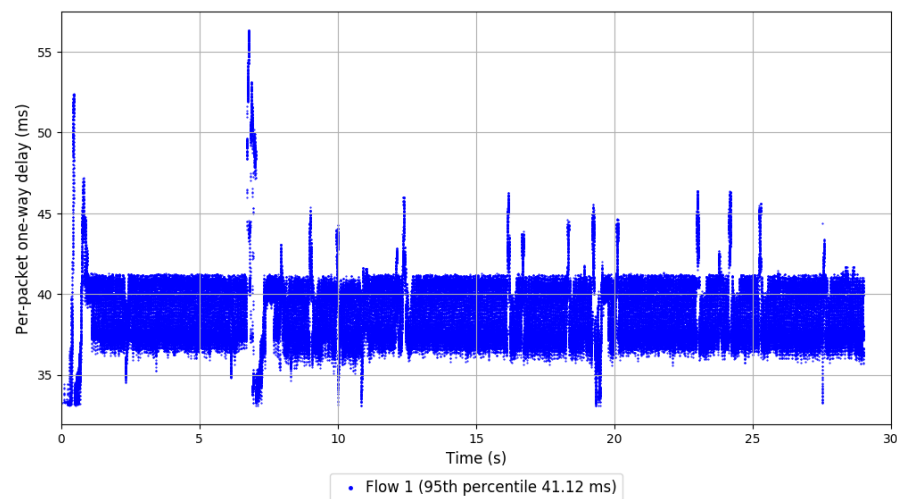
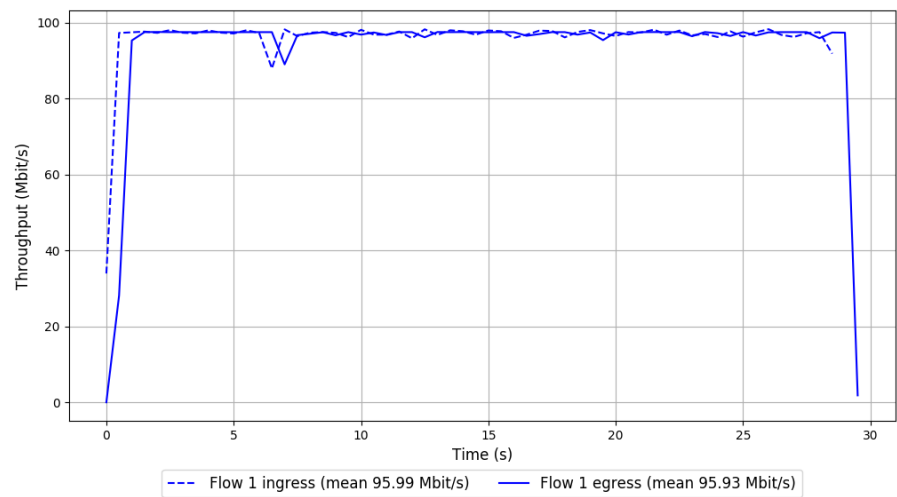


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-01-24 15:20:39  
End at: 2019-01-24 15:21:09  
Local clock offset: -3.634 ms  
Remote clock offset: -0.079 ms

# Below is generated by plot.py at 2019-01-24 16:31:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.93 Mbit/s  
95th percentile per-packet one-way delay: 41.125 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 95.93 Mbit/s  
95th percentile per-packet one-way delay: 41.125 ms  
Loss rate: 0.04%

Run 3: Report of Indigo-MusesC3 — Data Link

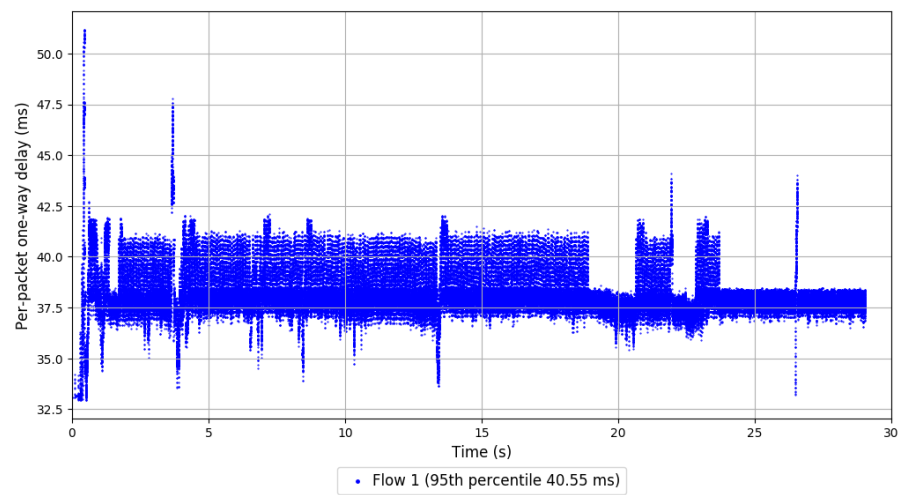
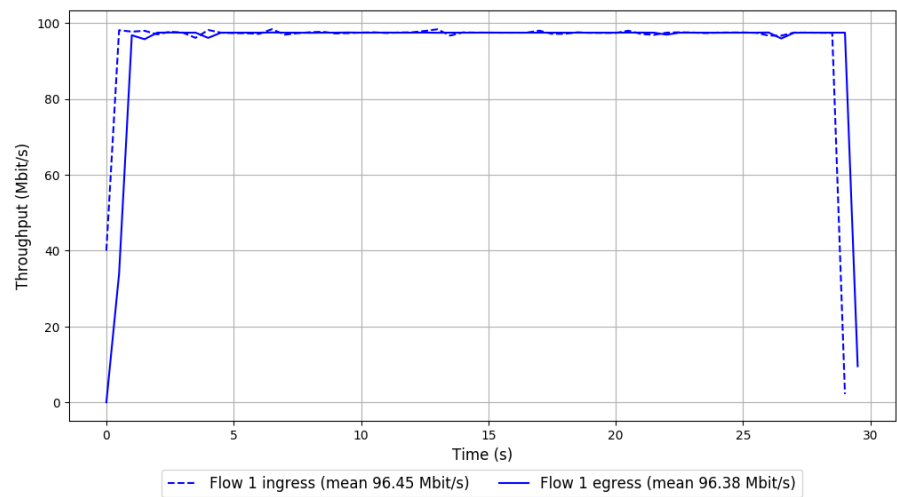


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-01-24 15:45:46  
End at: 2019-01-24 15:46:16  
Local clock offset: -1.929 ms  
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2019-01-24 16:31:31  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.38 Mbit/s  
95th percentile per-packet one-way delay: 40.548 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 96.38 Mbit/s  
95th percentile per-packet one-way delay: 40.548 ms  
Loss rate: 0.06%

Run 4: Report of Indigo-MusesC3 — Data Link



Run 5: Statistics of Indigo-MusesC3

Start at: 2019-01-24 16:10:18

End at: 2019-01-24 16:10:48

Local clock offset: -1.365 ms

Remote clock offset: 0.087 ms

# Below is generated by plot.py at 2019-01-24 16:31:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 41.274 ms

Loss rate: 0.04%

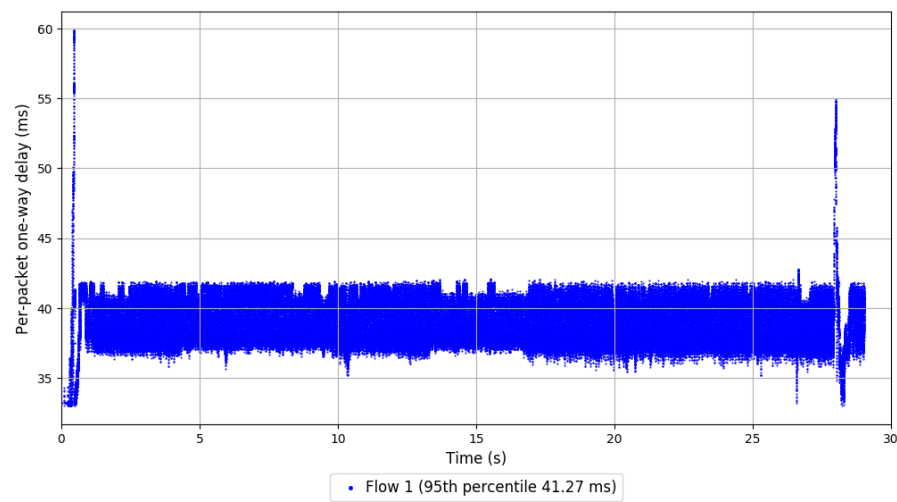
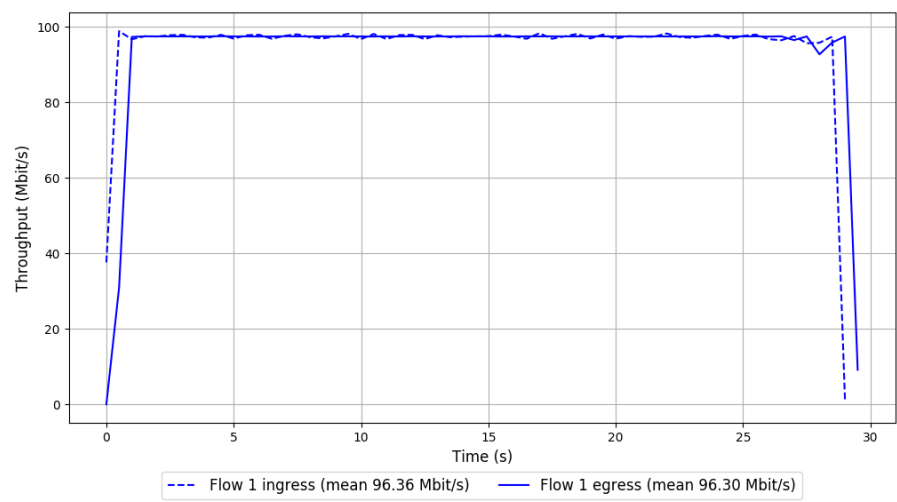
-- Flow 1:

Average throughput: 96.30 Mbit/s

95th percentile per-packet one-way delay: 41.274 ms

Loss rate: 0.04%

Run 5: Report of Indigo-MusesC3 — Data Link

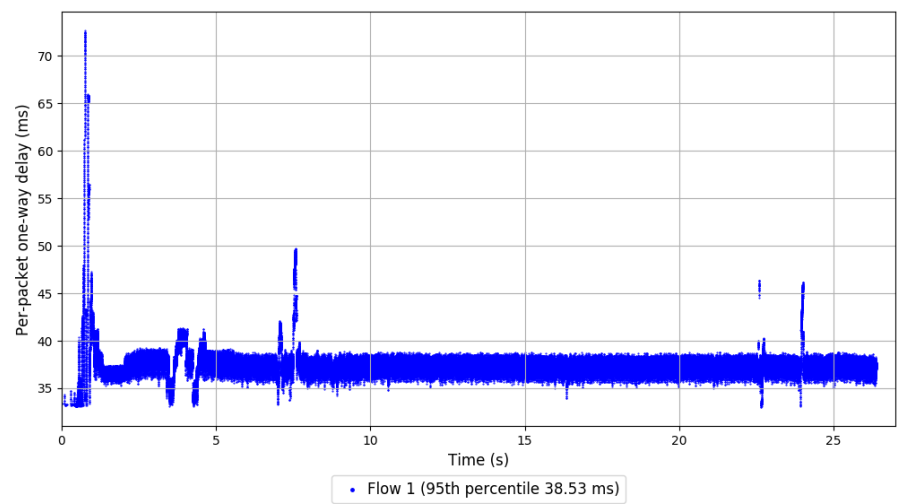
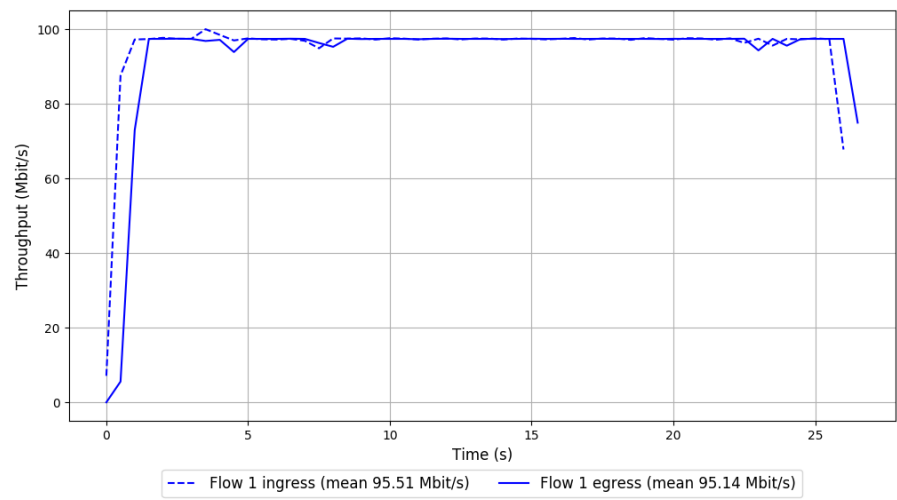


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-01-24 14:27:01  
End at: 2019-01-24 14:27:31  
Local clock offset: -14.457 ms  
Remote clock offset: -0.813 ms

# Below is generated by plot.py at 2019-01-24 16:31:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.14 Mbit/s  
95th percentile per-packet one-way delay: 38.530 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 95.14 Mbit/s  
95th percentile per-packet one-way delay: 38.530 ms  
Loss rate: 0.38%

Run 1: Report of Indigo-MusesC5 — Data Link



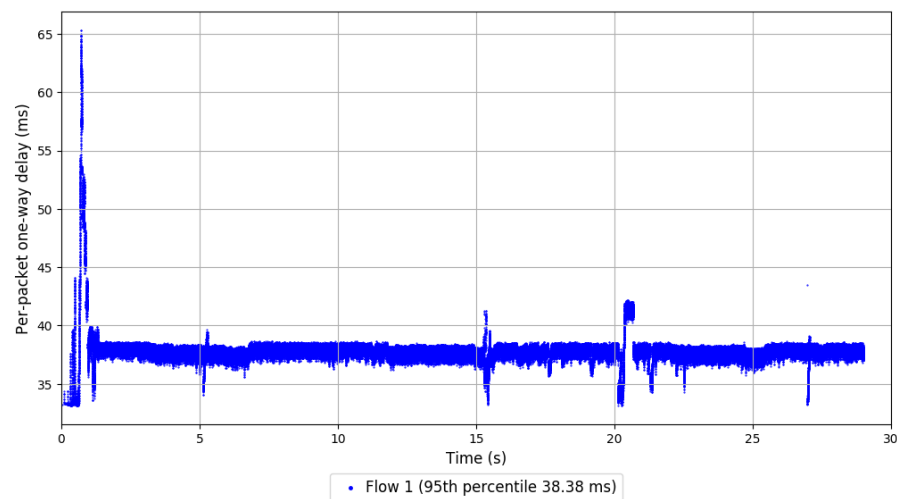
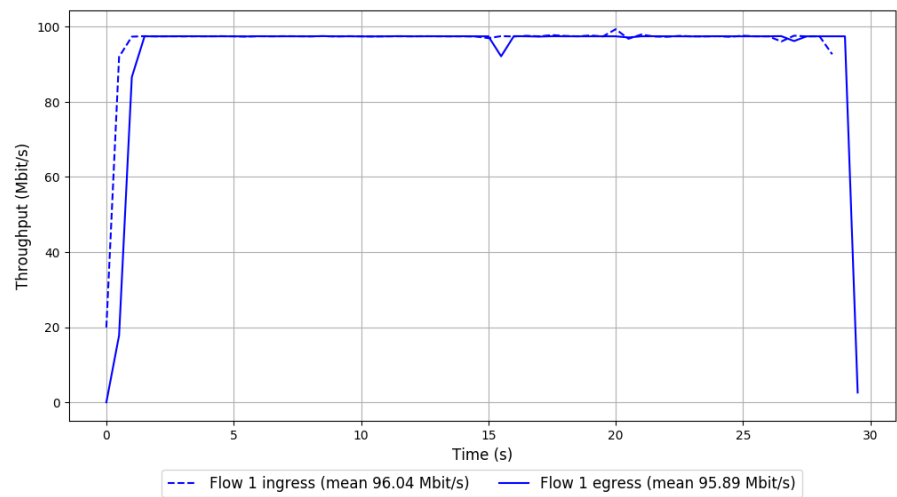


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-01-24 14:51:38  
End at: 2019-01-24 14:52:08  
Local clock offset: -7.079 ms  
Remote clock offset: -0.484 ms

# Below is generated by plot.py at 2019-01-24 16:31:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.89 Mbit/s  
95th percentile per-packet one-way delay: 38.380 ms  
Loss rate: 0.14%  
-- Flow 1:  
Average throughput: 95.89 Mbit/s  
95th percentile per-packet one-way delay: 38.380 ms  
Loss rate: 0.14%

Run 2: Report of Indigo-MusesC5 — Data Link

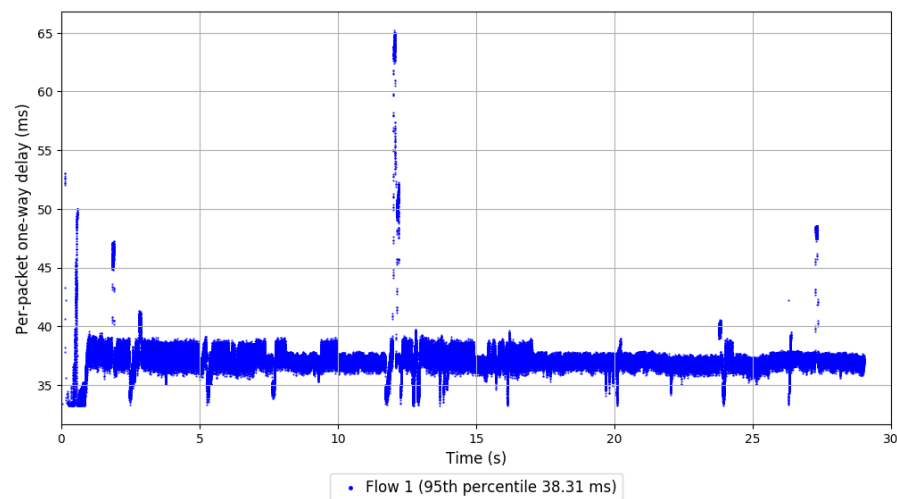
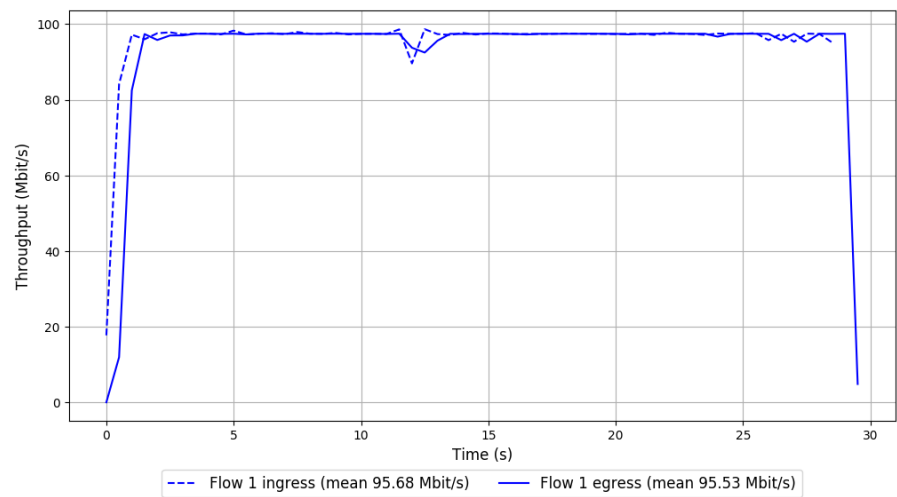


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-01-24 15:17:05  
End at: 2019-01-24 15:17:35  
Local clock offset: -3.503 ms  
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2019-01-24 16:32:27  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.53 Mbit/s  
95th percentile per-packet one-way delay: 38.314 ms  
Loss rate: 0.15%  
-- Flow 1:  
Average throughput: 95.53 Mbit/s  
95th percentile per-packet one-way delay: 38.314 ms  
Loss rate: 0.15%

Run 3: Report of Indigo-MusesC5 — Data Link

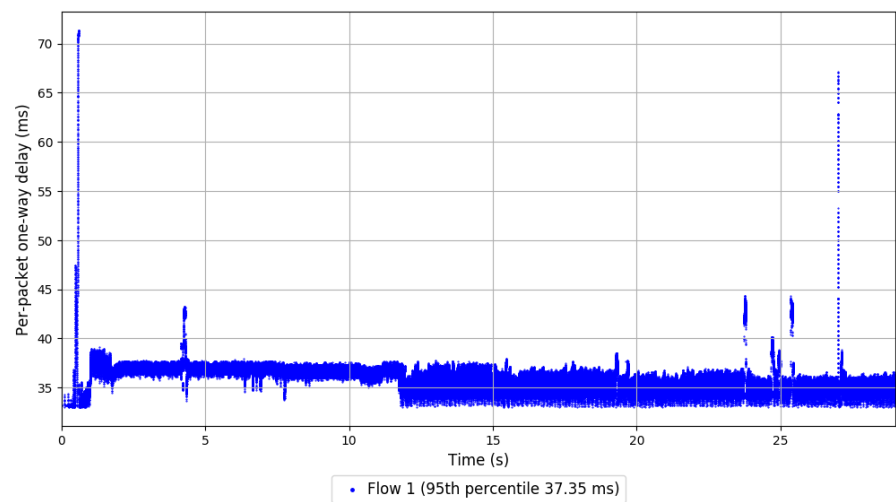
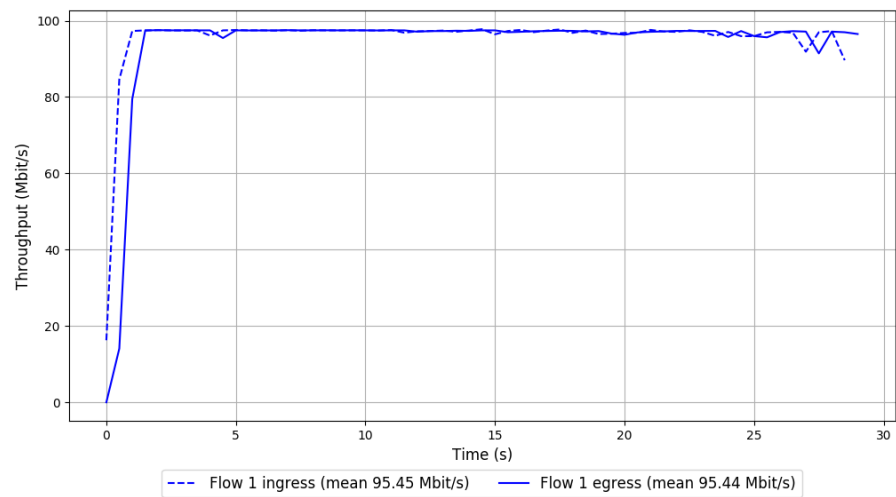


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-01-24 15:42:07  
End at: 2019-01-24 15:42:37  
Local clock offset: -1.994 ms  
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2019-01-24 16:32:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.44 Mbit/s  
95th percentile per-packet one-way delay: 37.350 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 95.44 Mbit/s  
95th percentile per-packet one-way delay: 37.350 ms  
Loss rate: 0.01%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-01-24 16:06:44

End at: 2019-01-24 16:07:14

Local clock offset: -1.58 ms

Remote clock offset: 0.265 ms

# Below is generated by plot.py at 2019-01-24 16:32:36

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.02 Mbit/s

95th percentile per-packet one-way delay: 38.588 ms

Loss rate: 0.04%

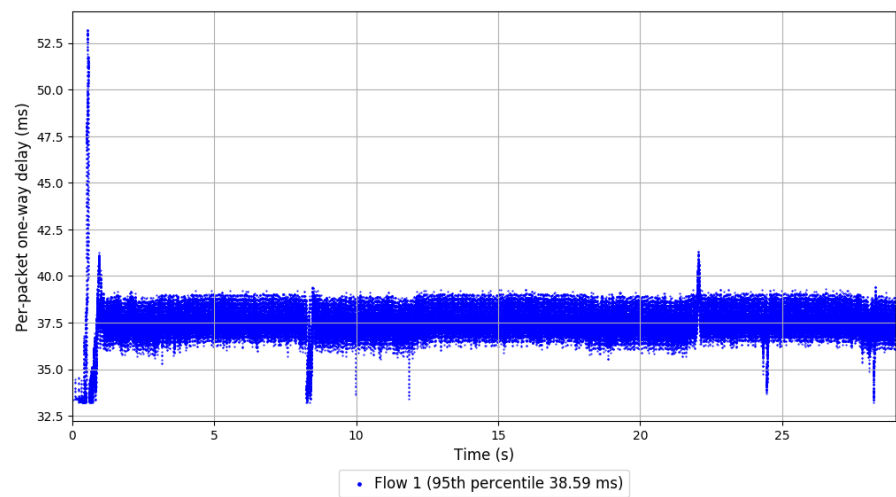
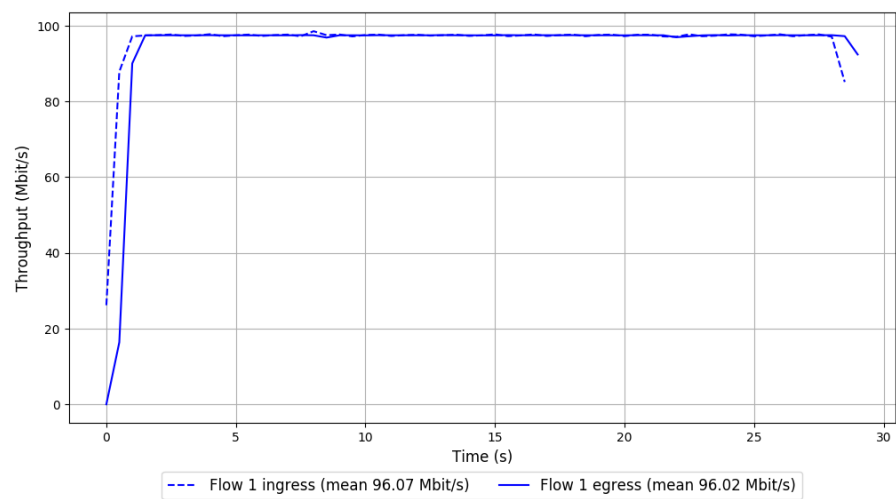
-- Flow 1:

Average throughput: 96.02 Mbit/s

95th percentile per-packet one-way delay: 38.588 ms

Loss rate: 0.04%

Run 5: Report of Indigo-MusesC5 — Data Link





Run 1: Statistics of Indigo-MusesD

Start at: 2019-01-24 14:43:36

End at: 2019-01-24 14:44:06

Local clock offset: -6.824 ms

Remote clock offset: -0.633 ms

# Below is generated by plot.py at 2019-01-24 16:32:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.78 Mbit/s

95th percentile per-packet one-way delay: 37.641 ms

Loss rate: 0.05%

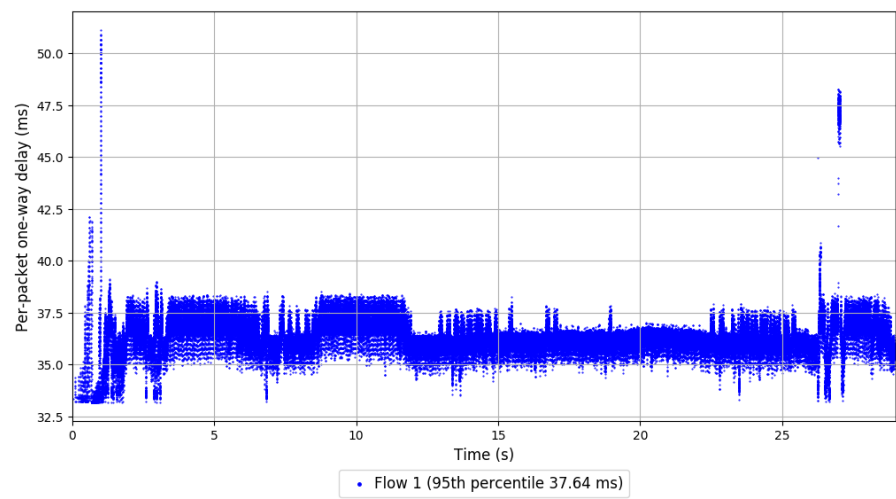
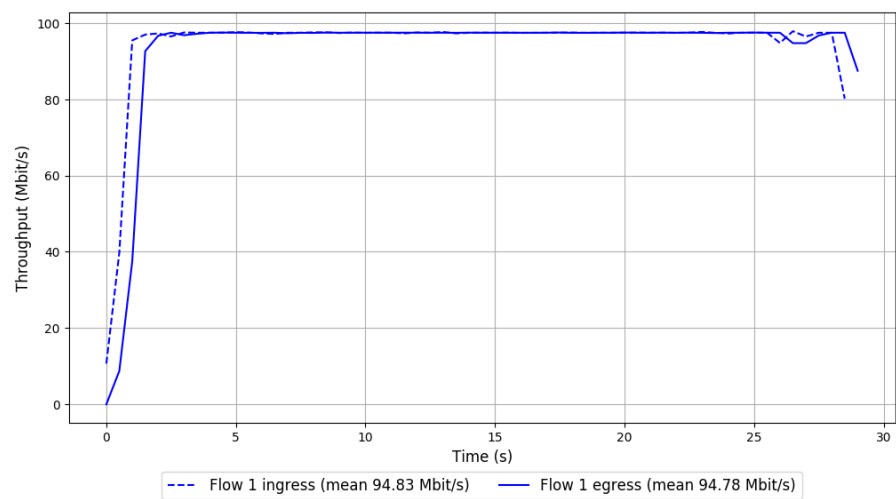
-- Flow 1:

Average throughput: 94.78 Mbit/s

95th percentile per-packet one-way delay: 37.641 ms

Loss rate: 0.05%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-01-24 15:08:44

End at: 2019-01-24 15:09:14

Local clock offset: -4.233 ms

Remote clock offset: -0.422 ms

# Below is generated by plot.py at 2019-01-24 16:32:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.15 Mbit/s

95th percentile per-packet one-way delay: 37.267 ms

Loss rate: 0.04%

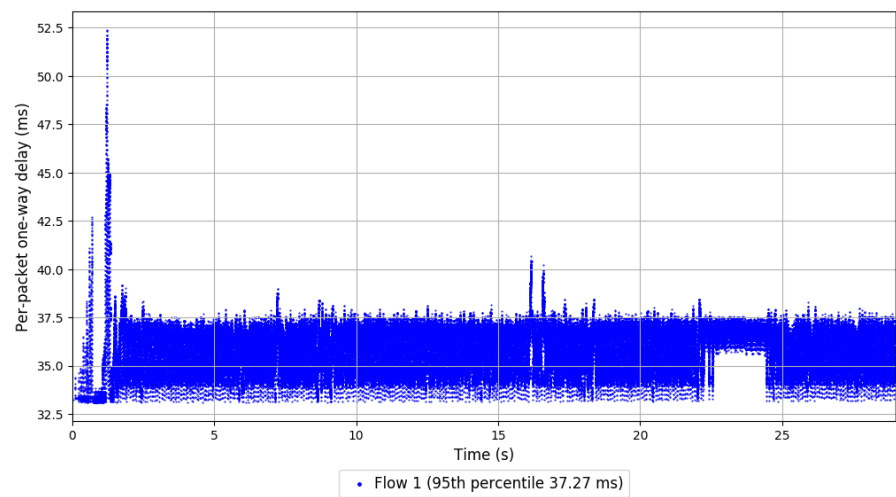
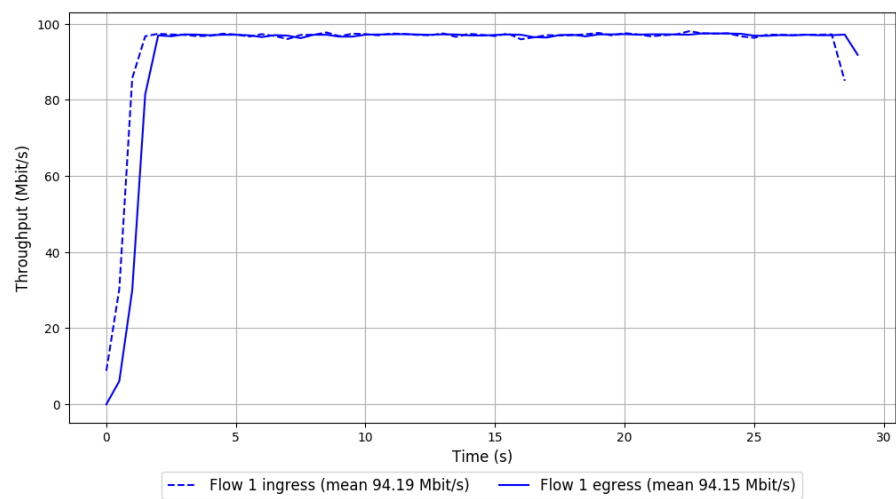
-- Flow 1:

Average throughput: 94.15 Mbit/s

95th percentile per-packet one-way delay: 37.267 ms

Loss rate: 0.04%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-01-24 15:34:06

End at: 2019-01-24 15:34:36

Local clock offset: -2.993 ms

Remote clock offset: 0.037 ms

# Below is generated by plot.py at 2019-01-24 16:32:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 94.93 Mbit/s

95th percentile per-packet one-way delay: 39.907 ms

Loss rate: 0.01%

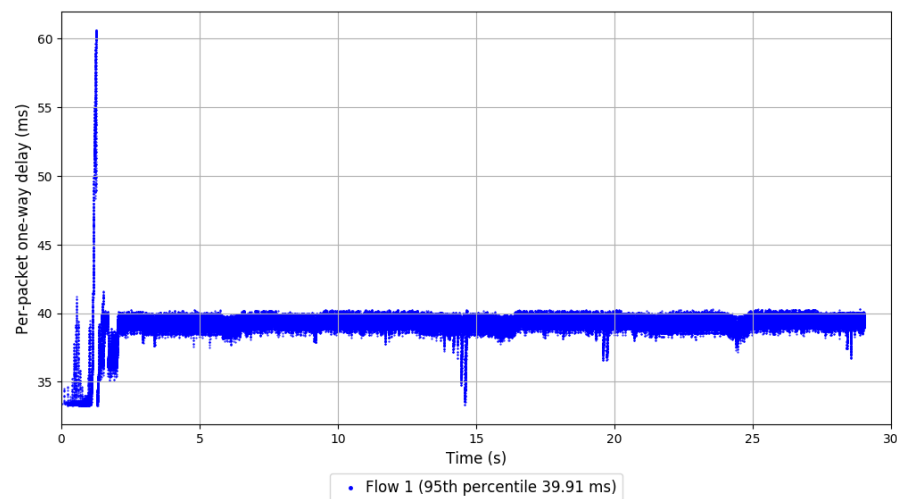
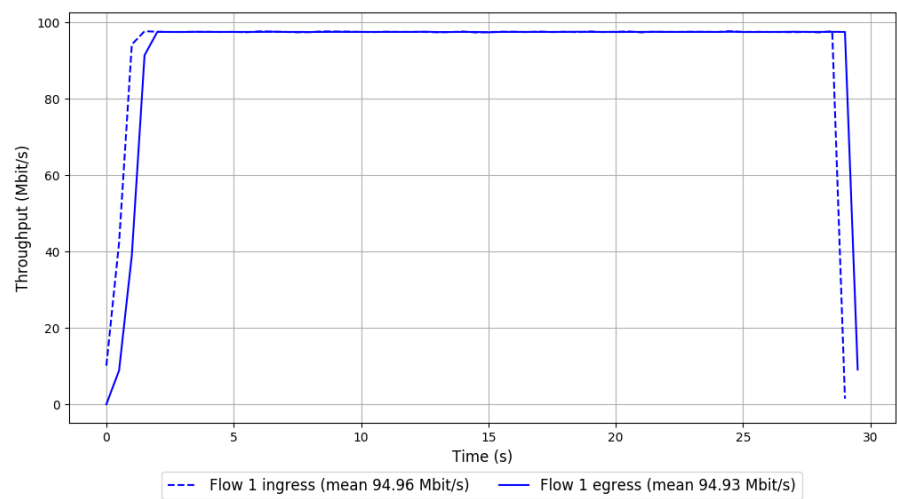
-- Flow 1:

Average throughput: 94.93 Mbit/s

95th percentile per-packet one-way delay: 39.907 ms

Loss rate: 0.01%

Run 3: Report of Indigo-MusesD — Data Link



Run 4: Statistics of Indigo-MusesD

Start at: 2019-01-24 15:58:47

End at: 2019-01-24 15:59:17

Local clock offset: -2.642 ms

Remote clock offset: 0.186 ms

# Below is generated by plot.py at 2019-01-24 16:32:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.21 Mbit/s

95th percentile per-packet one-way delay: 40.037 ms

Loss rate: 0.10%

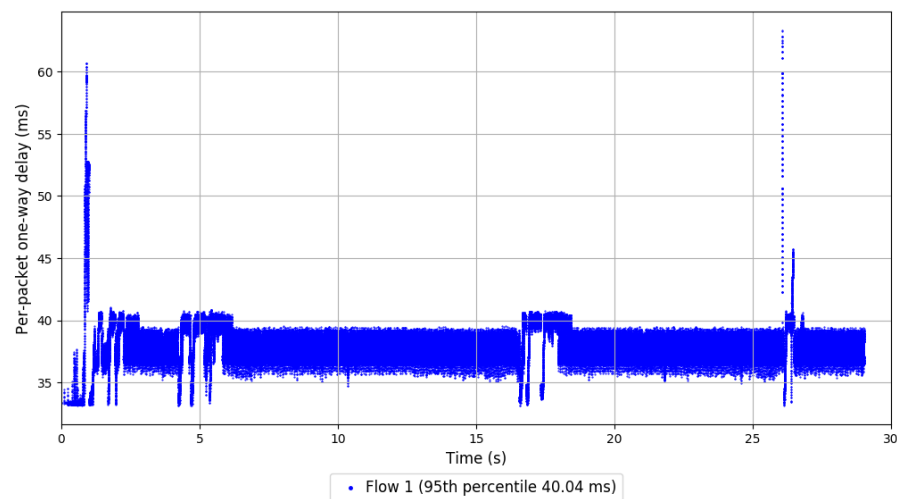
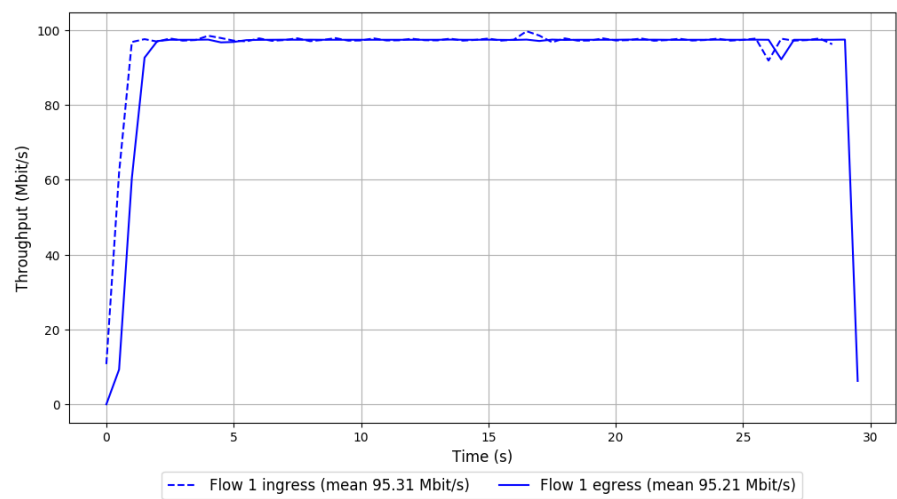
-- Flow 1:

Average throughput: 95.21 Mbit/s

95th percentile per-packet one-way delay: 40.037 ms

Loss rate: 0.10%

Run 4: Report of Indigo-MusesD — Data Link





Run 5: Statistics of Indigo-MusesD

Start at: 2019-01-24 16:23:42

End at: 2019-01-24 16:24:12

Local clock offset: -1.507 ms

Remote clock offset: 0.084 ms

# Below is generated by plot.py at 2019-01-24 16:32:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.43 Mbit/s

95th percentile per-packet one-way delay: 39.458 ms

Loss rate: 0.01%

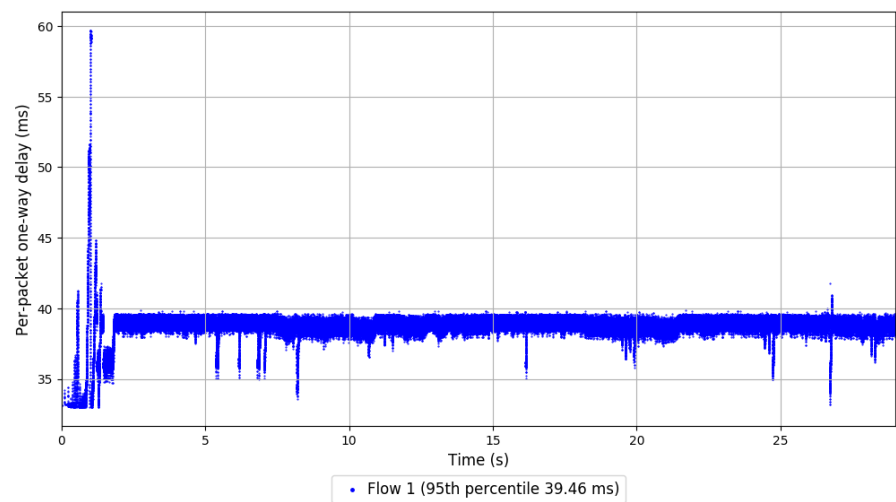
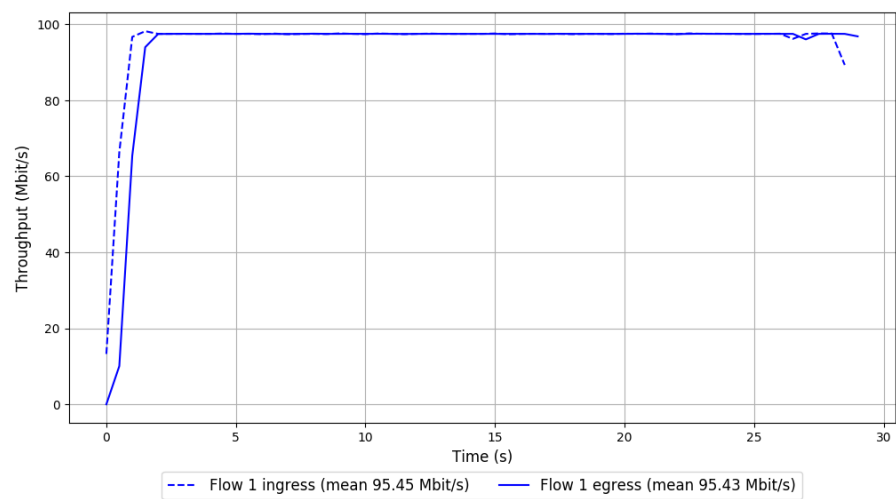
-- Flow 1:

Average throughput: 95.43 Mbit/s

95th percentile per-packet one-way delay: 39.458 ms

Loss rate: 0.01%

Run 5: Report of Indigo-MusesD — Data Link

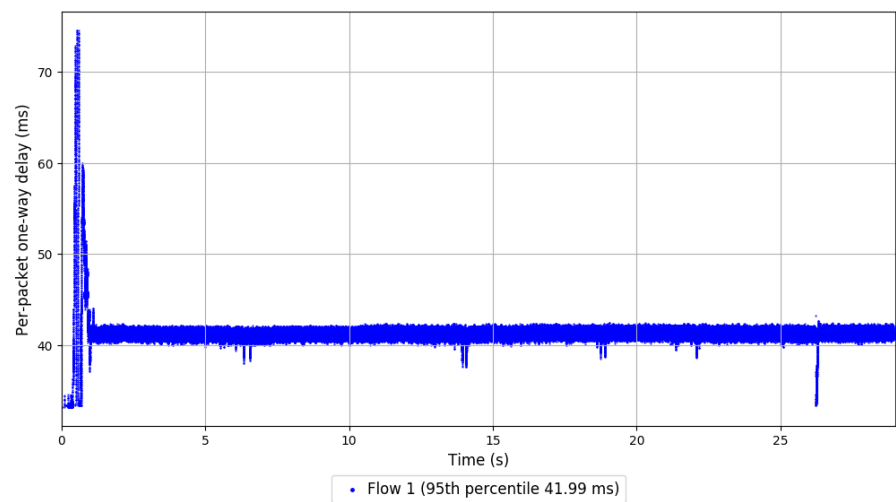
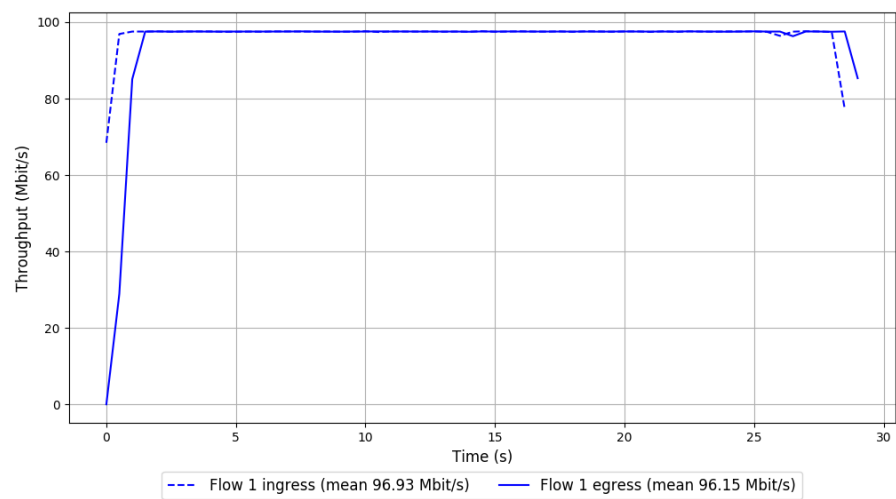


Run 1: Statistics of Indigo-MusesT

Start at: 2019-01-24 14:41:12  
End at: 2019-01-24 14:41:42  
Local clock offset: -7.147 ms  
Remote clock offset: -0.675 ms

# Below is generated by plot.py at 2019-01-24 16:33:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.15 Mbit/s  
95th percentile per-packet one-way delay: 41.990 ms  
Loss rate: 0.77%  
-- Flow 1:  
Average throughput: 96.15 Mbit/s  
95th percentile per-packet one-way delay: 41.990 ms  
Loss rate: 0.77%

Run 1: Report of Indigo-MusesT — Data Link

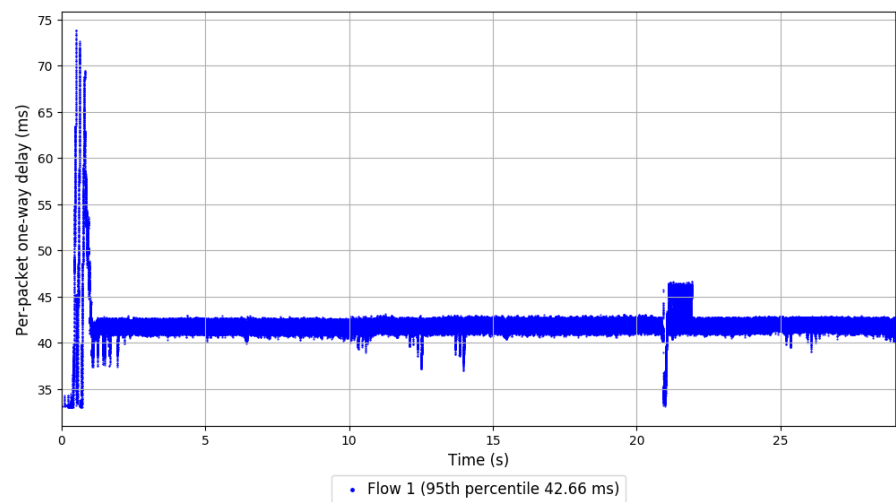
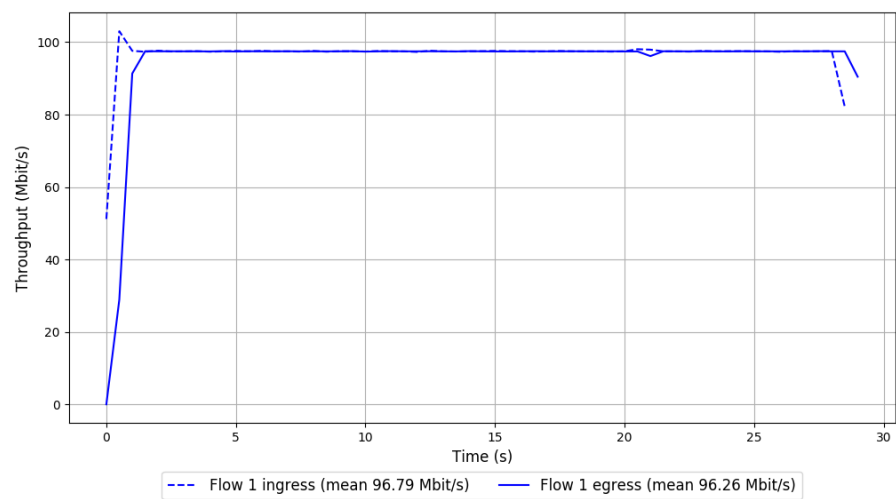


Run 2: Statistics of Indigo-MusesT

Start at: 2019-01-24 15:06:06  
End at: 2019-01-24 15:06:36  
Local clock offset: -4.943 ms  
Remote clock offset: -0.503 ms

# Below is generated by plot.py at 2019-01-24 16:33:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.26 Mbit/s  
95th percentile per-packet one-way delay: 42.663 ms  
Loss rate: 0.51%  
-- Flow 1:  
Average throughput: 96.26 Mbit/s  
95th percentile per-packet one-way delay: 42.663 ms  
Loss rate: 0.51%

Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-01-24 15:31:44

End at: 2019-01-24 15:32:14

Local clock offset: -3.742 ms

Remote clock offset: 0.036 ms

# Below is generated by plot.py at 2019-01-24 16:33:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.91 Mbit/s

95th percentile per-packet one-way delay: 42.249 ms

Loss rate: 0.93%

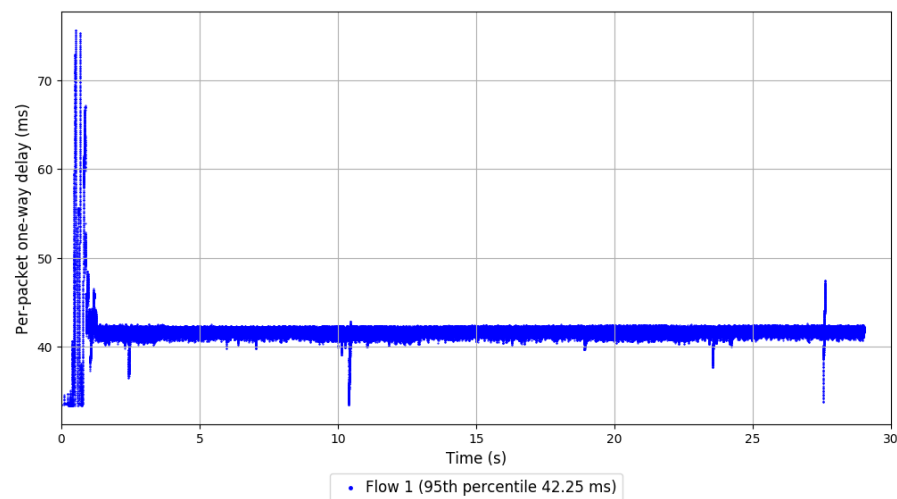
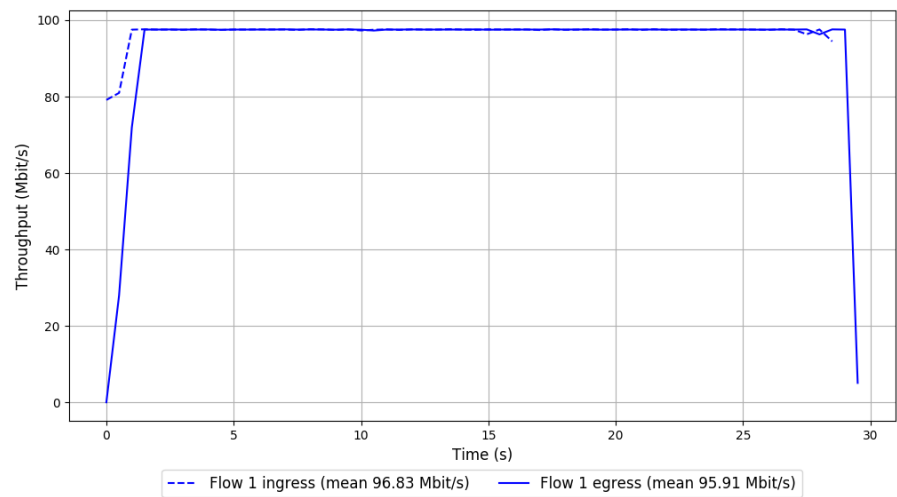
-- Flow 1:

Average throughput: 95.91 Mbit/s

95th percentile per-packet one-way delay: 42.249 ms

Loss rate: 0.93%

Run 3: Report of Indigo-MusesT — Data Link





Run 4: Statistics of Indigo-MusesT

Start at: 2019-01-24 15:56:27

End at: 2019-01-24 15:56:57

Local clock offset: -2.44 ms

Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2019-01-24 16:33:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 41.767 ms

Loss rate: 0.75%

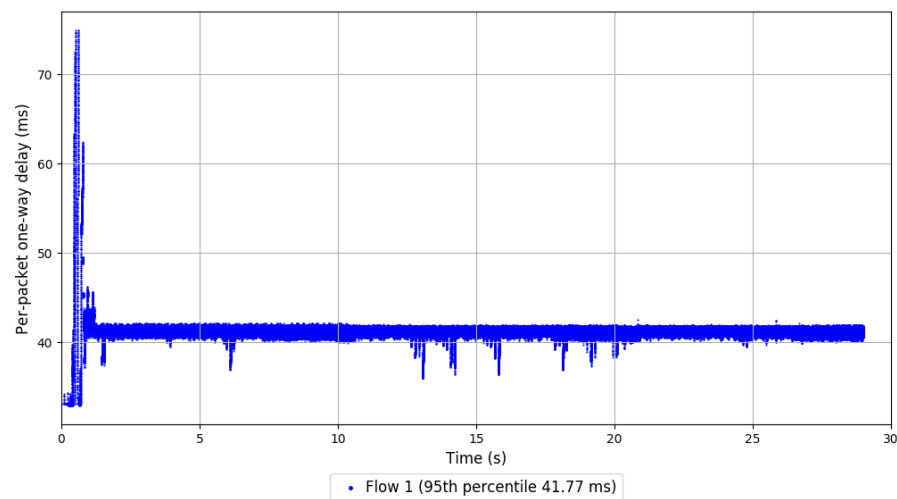
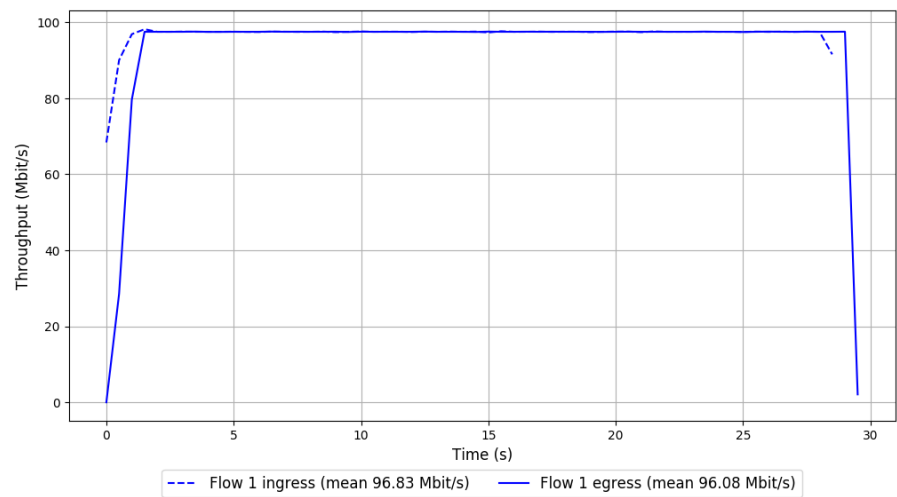
-- Flow 1:

Average throughput: 96.08 Mbit/s

95th percentile per-packet one-way delay: 41.767 ms

Loss rate: 0.75%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-01-24 16:21:15

End at: 2019-01-24 16:21:45

Local clock offset: -1.417 ms

Remote clock offset: 0.248 ms

# Below is generated by plot.py at 2019-01-24 16:33:41

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.87 Mbit/s

95th percentile per-packet one-way delay: 41.900 ms

Loss rate: 0.91%

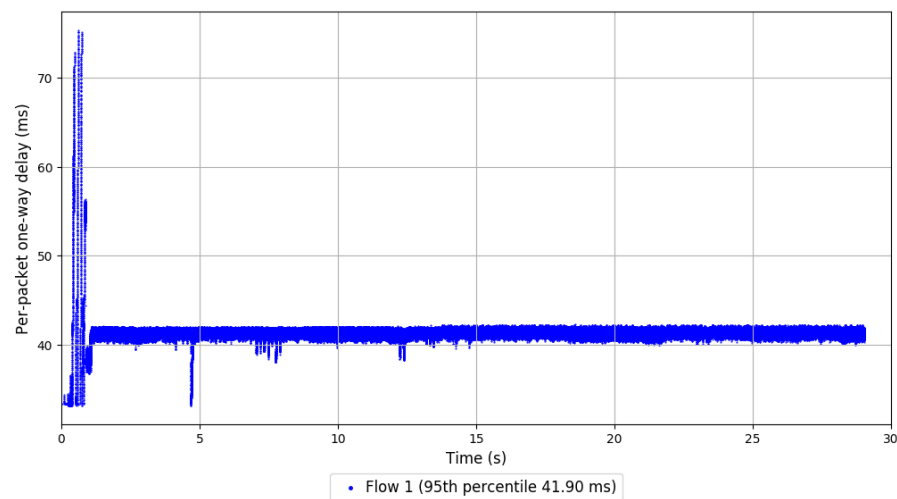
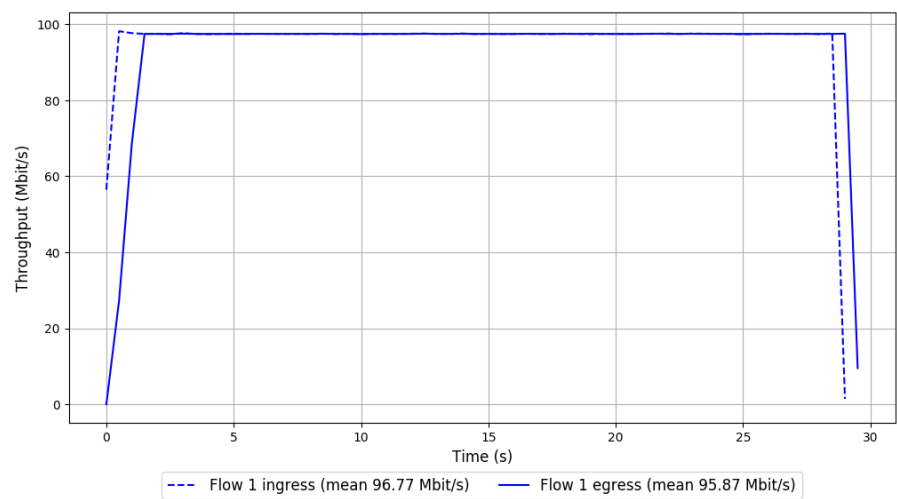
-- Flow 1:

Average throughput: 95.87 Mbit/s

95th percentile per-packet one-way delay: 41.900 ms

Loss rate: 0.91%

Run 5: Report of Indigo-MusesT — Data Link

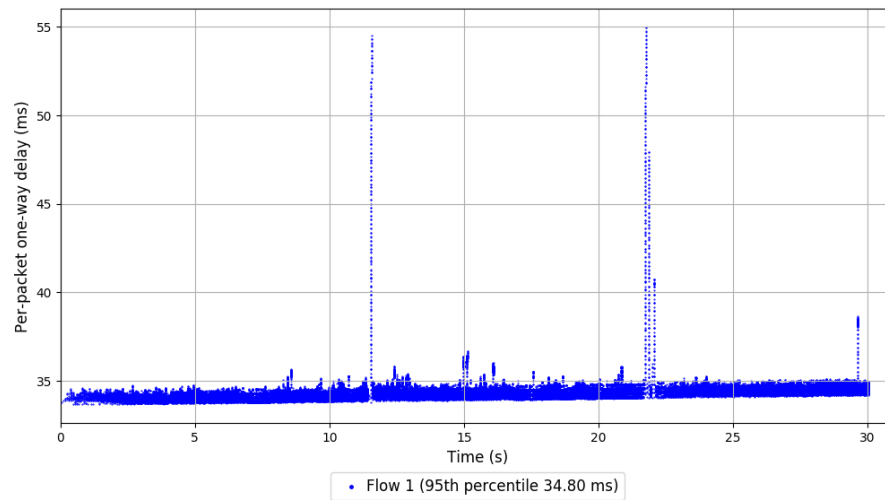
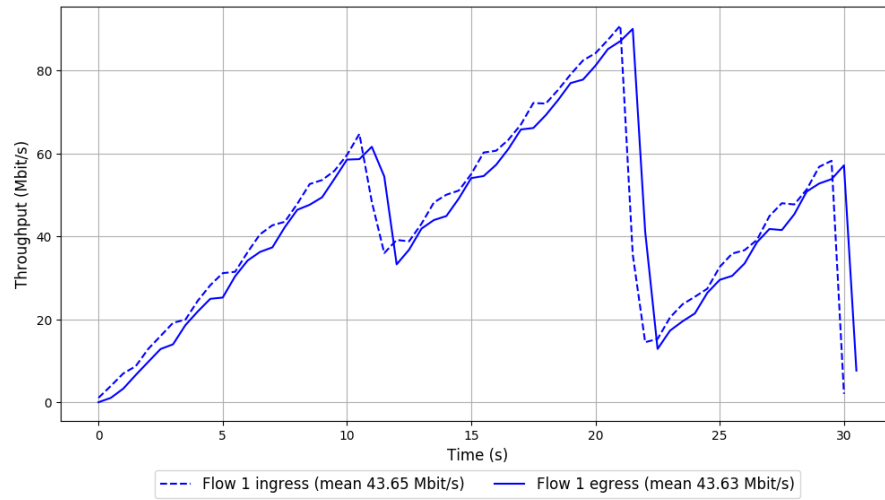


```
Run 1: Statistics of LEDBAT

Start at: 2019-01-24 14:31:41
End at: 2019-01-24 14:32:11
Local clock offset: -13.081 ms
Remote clock offset: -0.796 ms

# Below is generated by plot.py at 2019-01-24 16:33:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.63 Mbit/s
95th percentile per-packet one-way delay: 34.798 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 43.63 Mbit/s
95th percentile per-packet one-way delay: 34.798 ms
Loss rate: 0.03%
```

# Run 1: Report of LEDBAT — Data Link

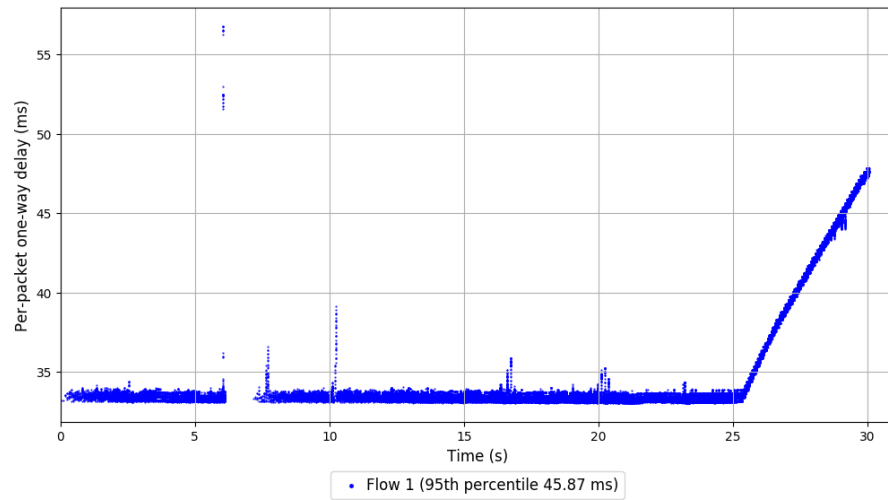
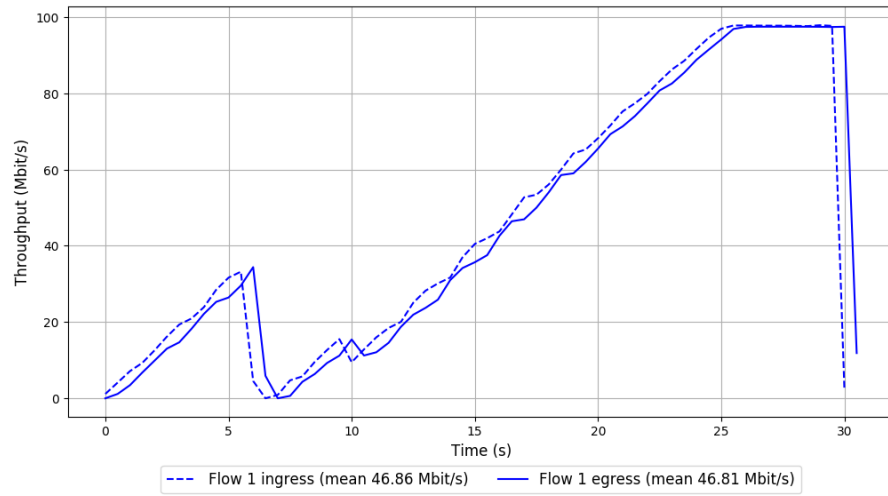


Run 2: Statistics of LEDBAT

Start at: 2019-01-24 14:56:22  
End at: 2019-01-24 14:56:52  
Local clock offset: -7.816 ms  
Remote clock offset: -0.437 ms

# Below is generated by plot.py at 2019-01-24 16:33:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 46.81 Mbit/s  
95th percentile per-packet one-way delay: 45.872 ms  
Loss rate: 0.06%  
-- Flow 1:  
Average throughput: 46.81 Mbit/s  
95th percentile per-packet one-way delay: 45.872 ms  
Loss rate: 0.06%

## Run 2: Report of LEDBAT — Data Link



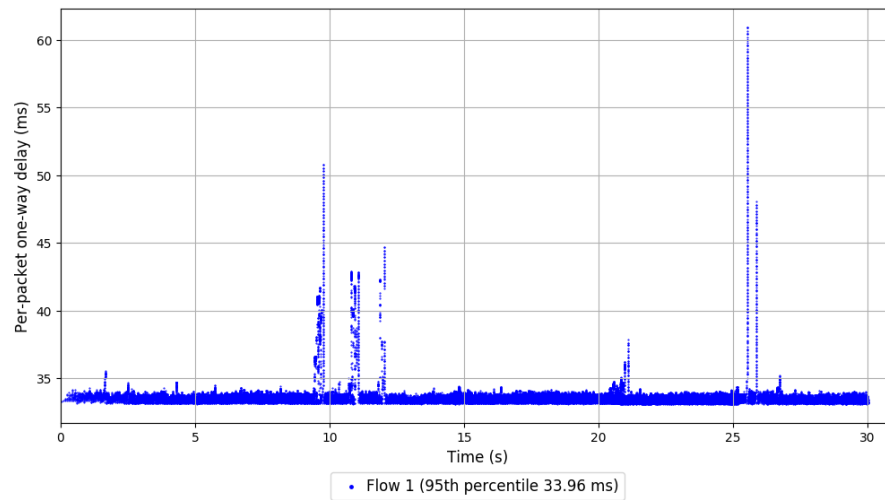
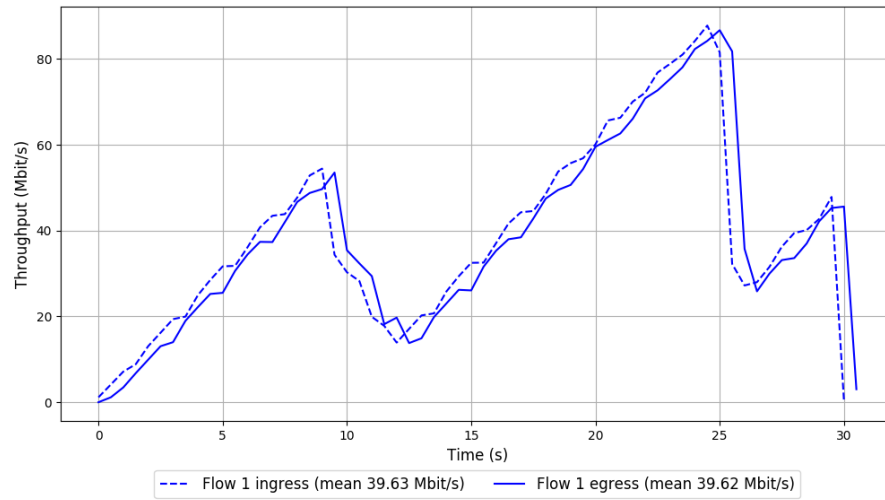


Run 3: Statistics of LEDBAT

Start at: 2019-01-24 15:21:55  
End at: 2019-01-24 15:22:25  
Local clock offset: -3.713 ms  
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2019-01-24 16:33:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 39.62 Mbit/s  
95th percentile per-packet one-way delay: 33.963 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 39.62 Mbit/s  
95th percentile per-packet one-way delay: 33.963 ms  
Loss rate: 0.04%

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



Run 4: Statistics of LEDBAT

Start at: 2019-01-24 15:47:00

End at: 2019-01-24 15:47:30

Local clock offset: -1.936 ms

Remote clock offset: 0.129 ms

# Below is generated by plot.py at 2019-01-24 16:34:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 70.32 Mbit/s

95th percentile per-packet one-way delay: 60.316 ms

Loss rate: 0.00%

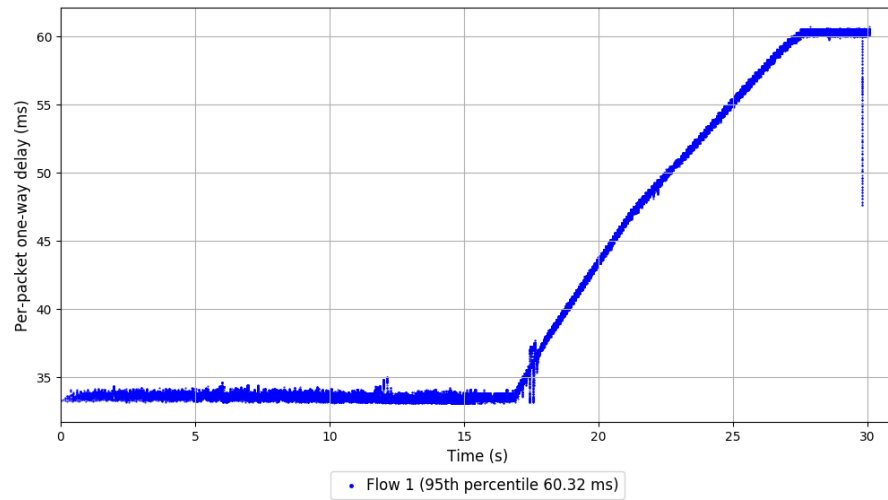
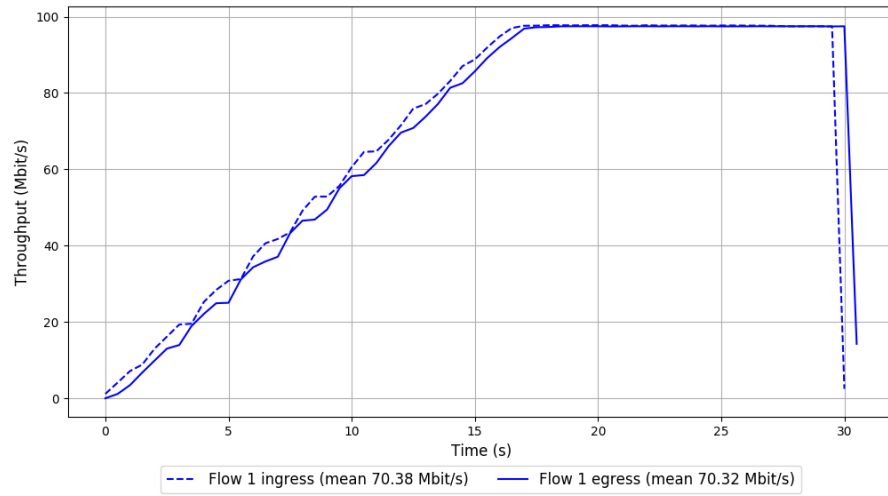
-- Flow 1:

Average throughput: 70.32 Mbit/s

95th percentile per-packet one-way delay: 60.316 ms

Loss rate: 0.00%

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



Run 5: Statistics of LEDBAT

Start at: 2019-01-24 16:11:31

End at: 2019-01-24 16:12:01

Local clock offset: -1.319 ms

Remote clock offset: 0.226 ms

# Below is generated by plot.py at 2019-01-24 16:34:03

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.88 Mbit/s

95th percentile per-packet one-way delay: 42.005 ms

Loss rate: 0.01%

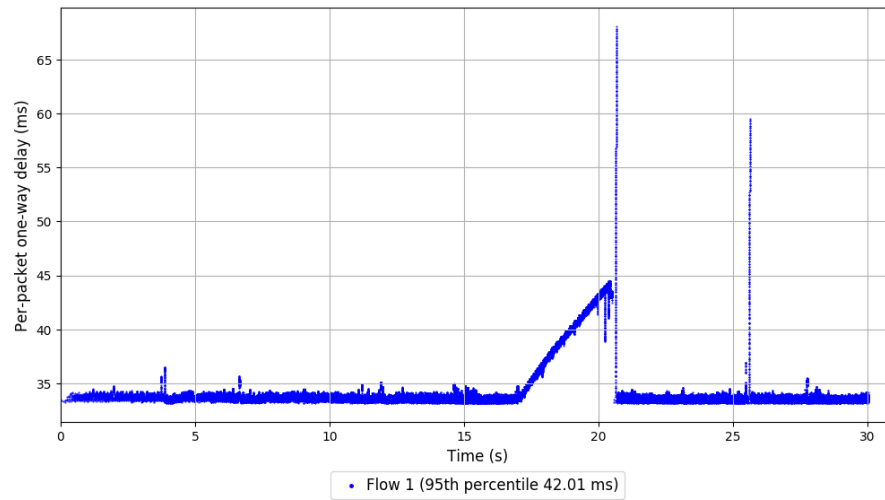
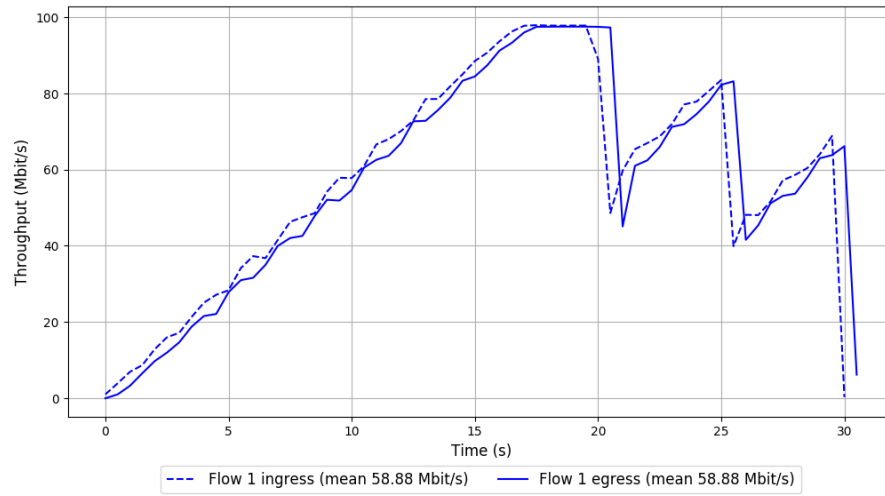
-- Flow 1:

Average throughput: 58.88 Mbit/s

95th percentile per-packet one-way delay: 42.005 ms

Loss rate: 0.01%

## Run 5: Report of LEDBAT — Data Link

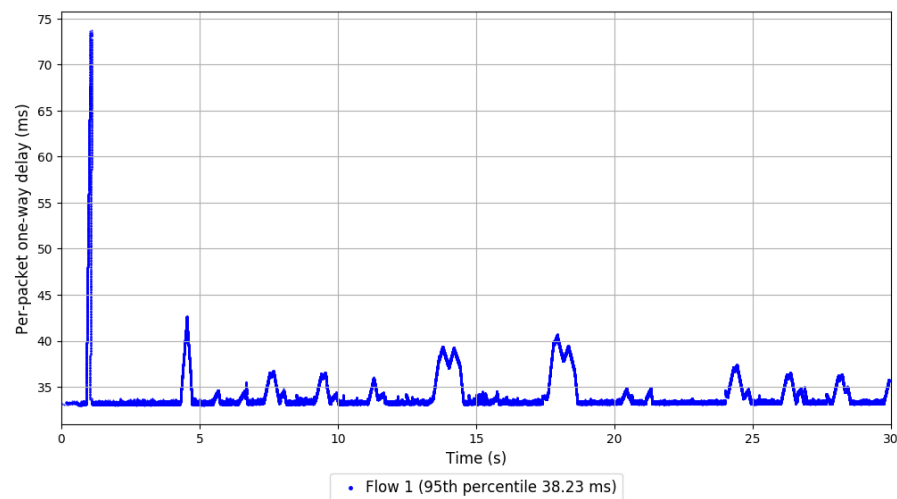
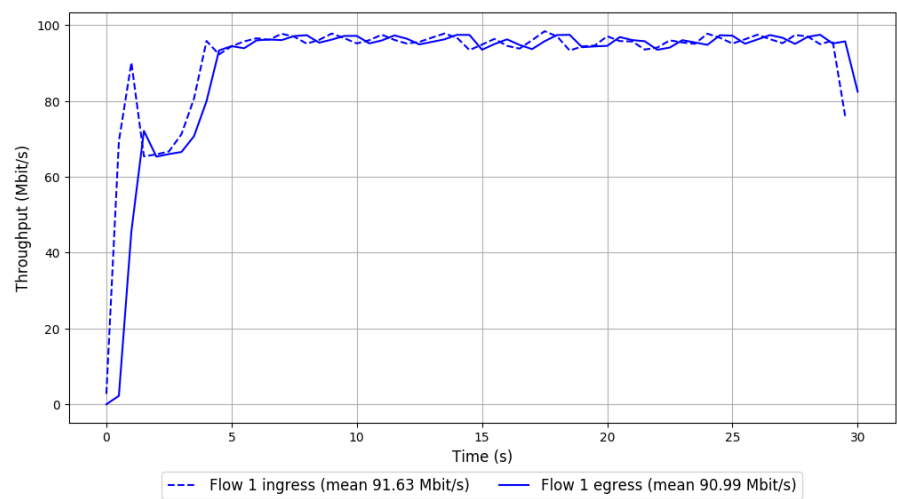


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-01-24 14:42:25
End at: 2019-01-24 14:42:55
Local clock offset: -6.981 ms
Remote clock offset: -0.856 ms

# Below is generated by plot.py at 2019-01-24 16:34:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.99 Mbit/s
95th percentile per-packet one-way delay: 38.232 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 90.99 Mbit/s
95th percentile per-packet one-way delay: 38.232 ms
Loss rate: 0.70%
```

Run 1: Report of PCC-Allegro — Data Link





Run 2: Statistics of PCC-Allegro

Start at: 2019-01-24 15:07:27

End at: 2019-01-24 15:07:57

Local clock offset: -4.592 ms

Remote clock offset: -0.286 ms

# Below is generated by plot.py at 2019-01-24 16:34:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.88 Mbit/s

95th percentile per-packet one-way delay: 40.267 ms

Loss rate: 0.70%

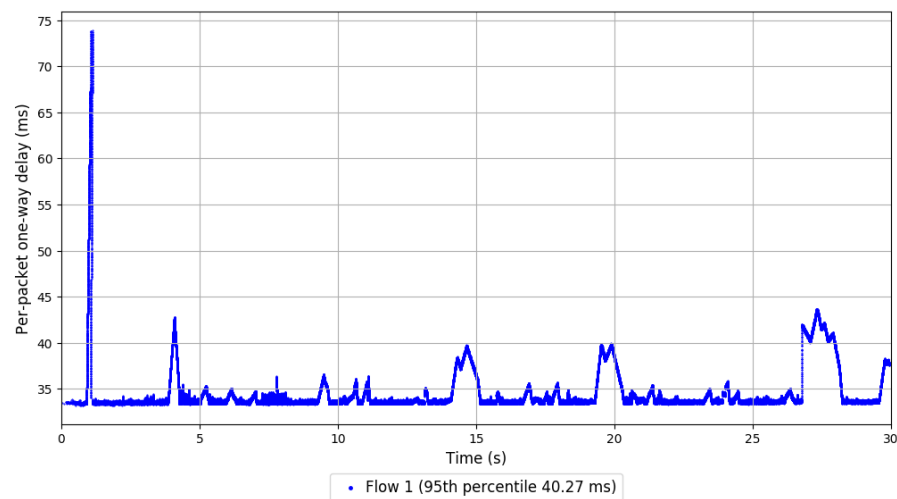
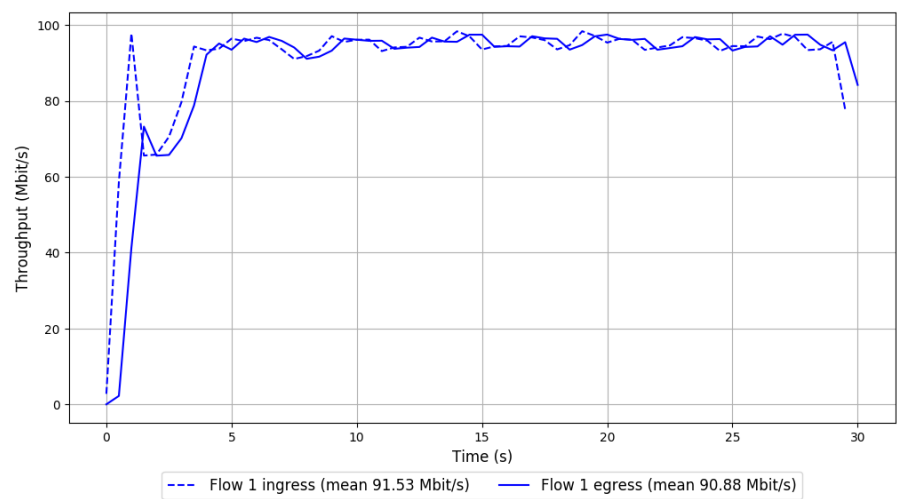
-- Flow 1:

Average throughput: 90.88 Mbit/s

95th percentile per-packet one-way delay: 40.267 ms

Loss rate: 0.70%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-01-24 15:32:57

End at: 2019-01-24 15:33:27

Local clock offset: -3.325 ms

Remote clock offset: 0.035 ms

# Below is generated by plot.py at 2019-01-24 16:34:44

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.55 Mbit/s

95th percentile per-packet one-way delay: 40.735 ms

Loss rate: 0.73%

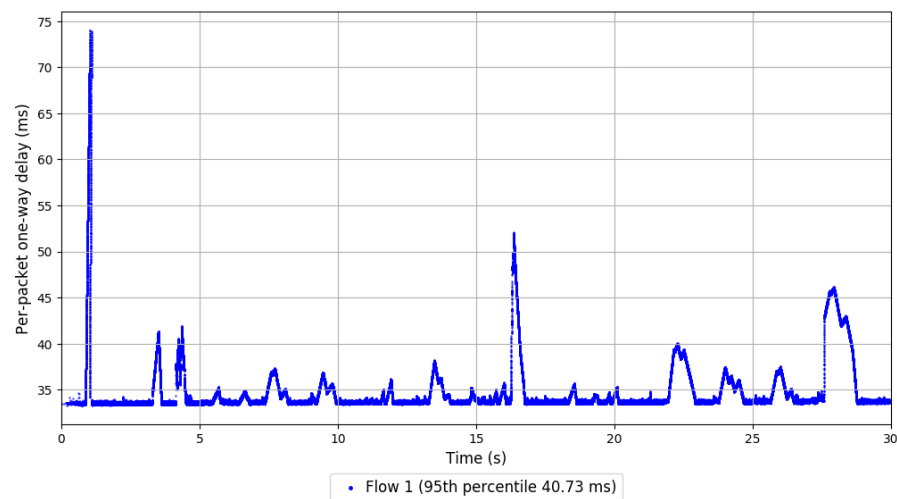
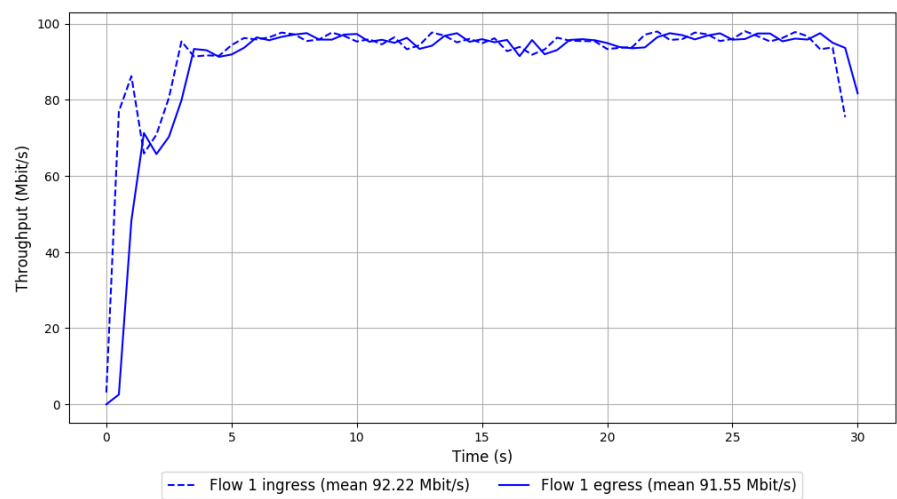
-- Flow 1:

Average throughput: 91.55 Mbit/s

95th percentile per-packet one-way delay: 40.735 ms

Loss rate: 0.73%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-01-24 15:57:38

End at: 2019-01-24 15:58:08

Local clock offset: -2.525 ms

Remote clock offset: 0.205 ms

# Below is generated by plot.py at 2019-01-24 16:34:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.00 Mbit/s

95th percentile per-packet one-way delay: 36.706 ms

Loss rate: 0.67%

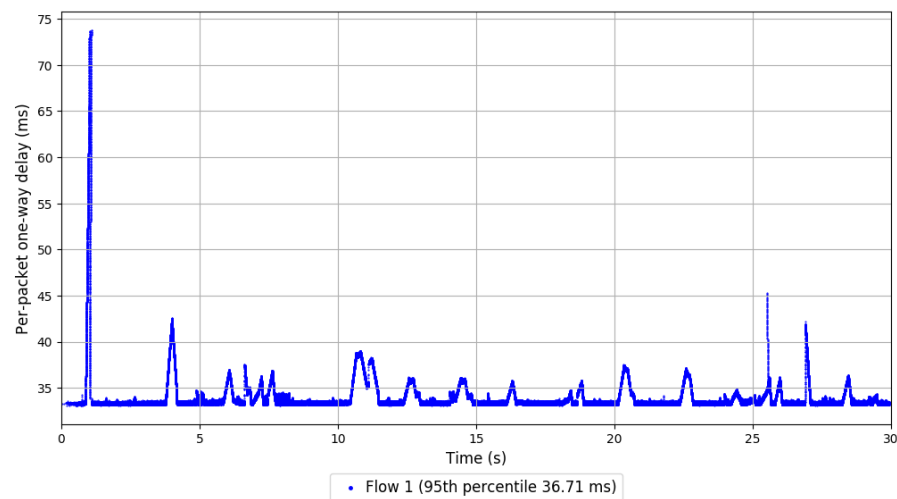
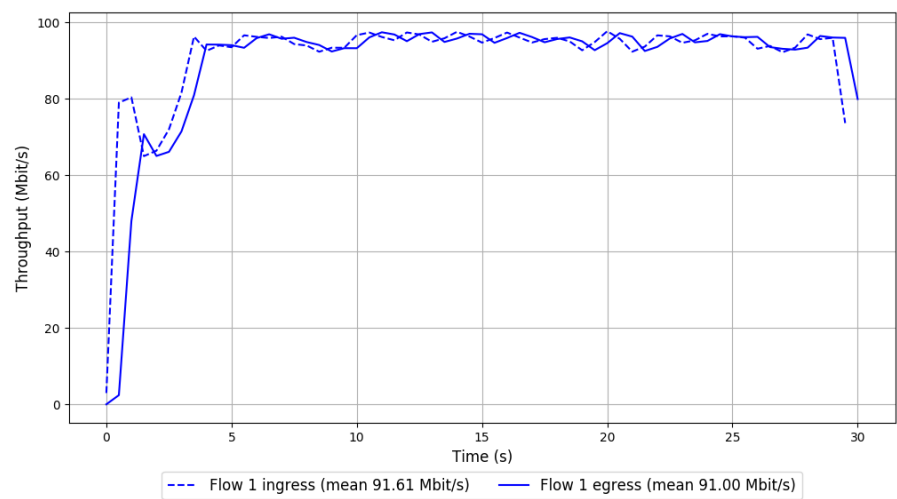
-- Flow 1:

Average throughput: 91.00 Mbit/s

95th percentile per-packet one-way delay: 36.706 ms

Loss rate: 0.67%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-01-24 16:22:28

End at: 2019-01-24 16:22:59

Local clock offset: -1.463 ms

Remote clock offset: 0.241 ms

# Below is generated by plot.py at 2019-01-24 16:34:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.68 Mbit/s

95th percentile per-packet one-way delay: 42.218 ms

Loss rate: 0.69%

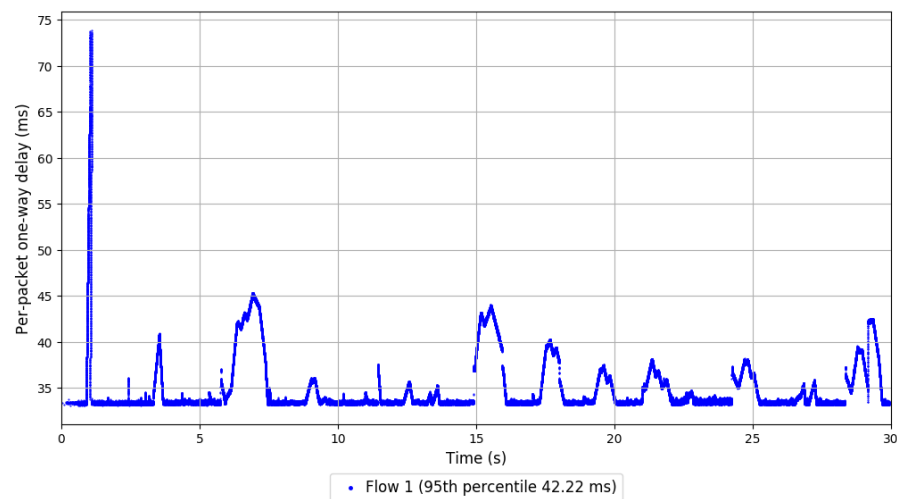
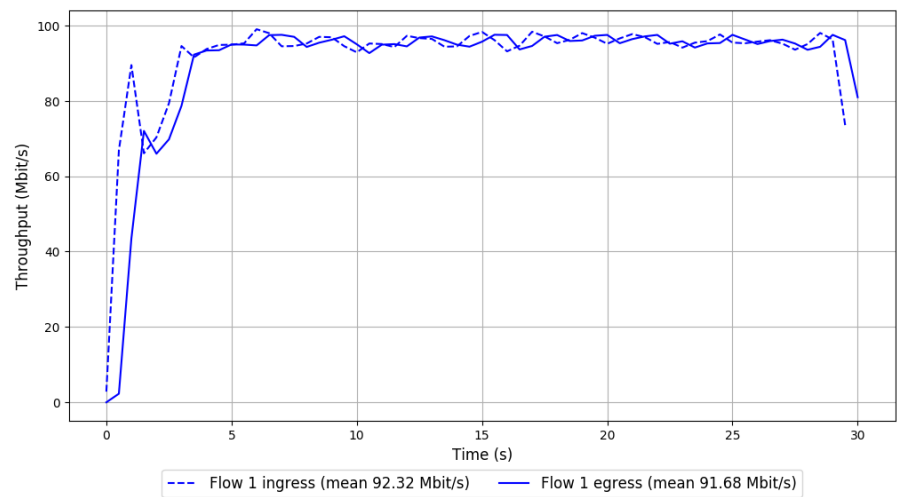
-- Flow 1:

Average throughput: 91.68 Mbit/s

95th percentile per-packet one-way delay: 42.218 ms

Loss rate: 0.69%

Run 5: Report of PCC-Allegro — Data Link





Run 1: Statistics of PCC-Expr

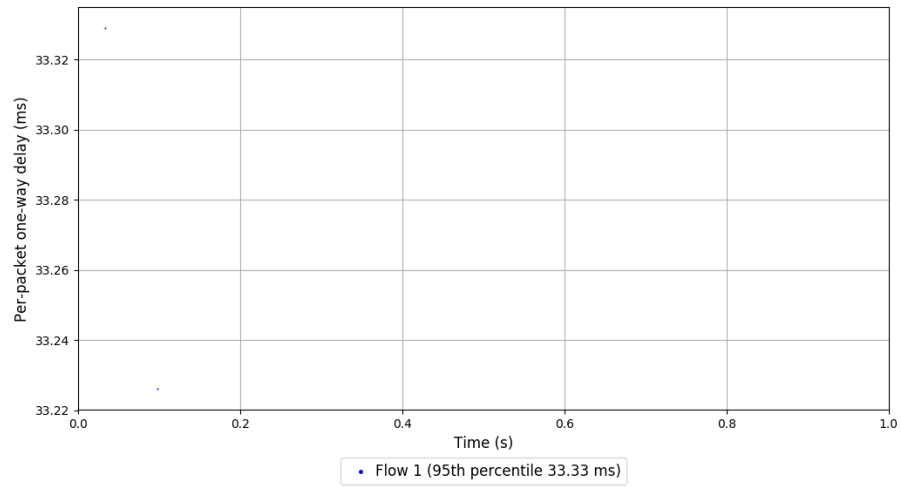
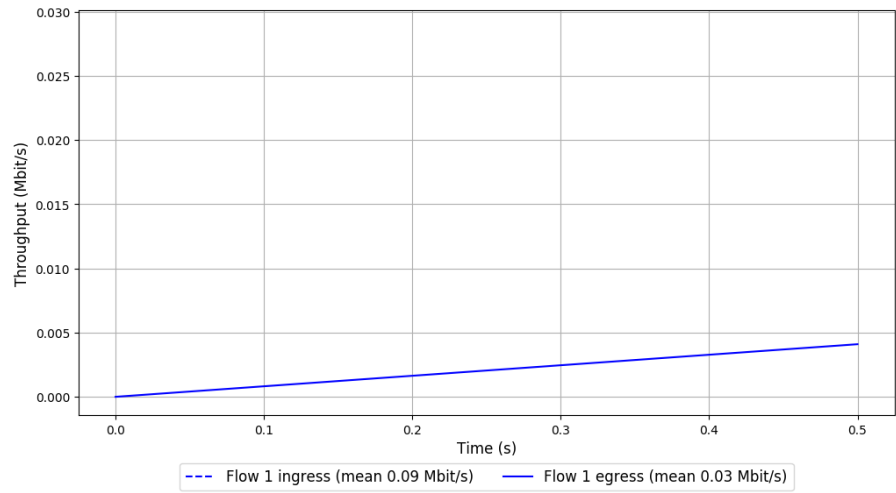
Start at: 2019-01-24 14:44:47

End at: 2019-01-24 14:45:17

Local clock offset: -6.716 ms

Remote clock offset: -0.577 ms

### Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

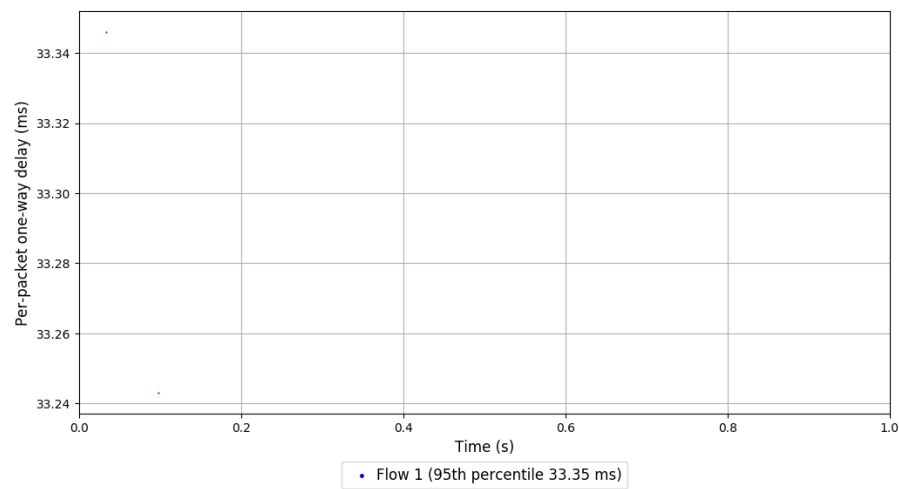
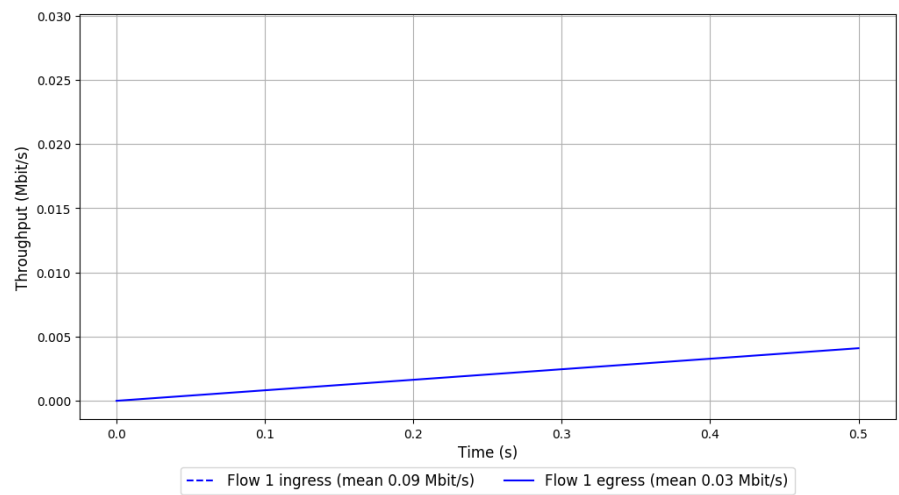
Start at: 2019-01-24 15:10:05

End at: 2019-01-24 15:10:35

Local clock offset: -4.008 ms

Remote clock offset: -0.21 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

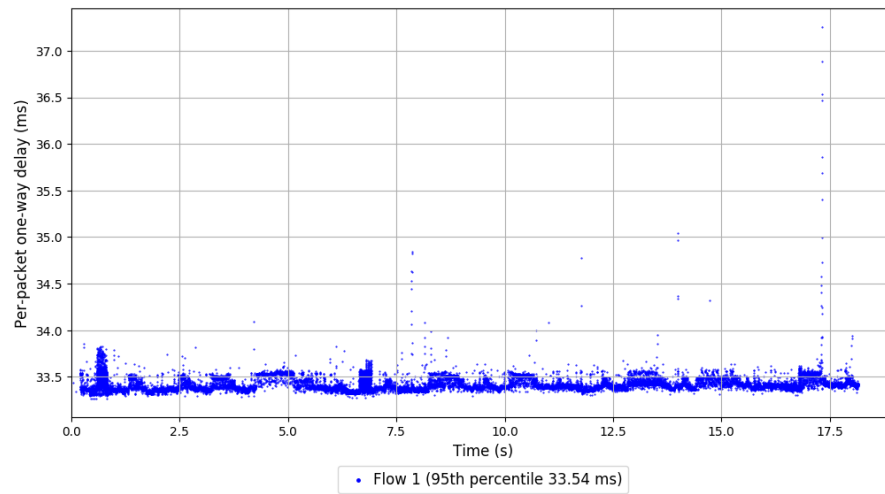
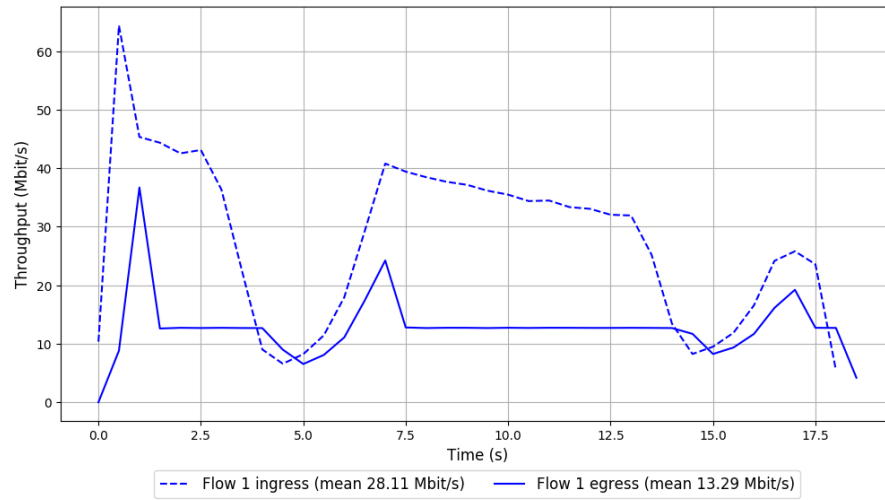
Start at: 2019-01-24 15:35:16

End at: 2019-01-24 15:35:46

Local clock offset: -2.763 ms

Remote clock offset: 0.052 ms

### Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-01-24 15:59:57

End at: 2019-01-24 16:00:27

Local clock offset: -2.698 ms

Remote clock offset: 0.179 ms

# Below is generated by plot.py at 2019-01-24 16:34:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.95 Mbit/s

95th percentile per-packet one-way delay: 33.619 ms

Loss rate: 42.77%

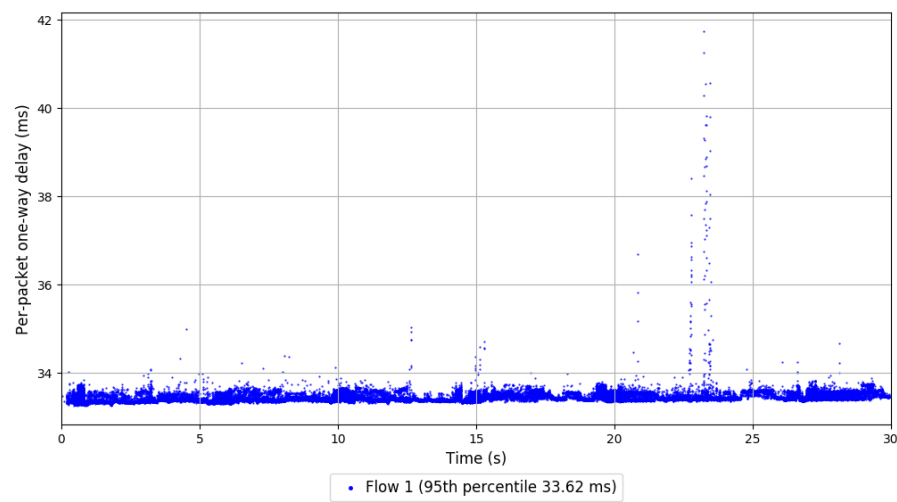
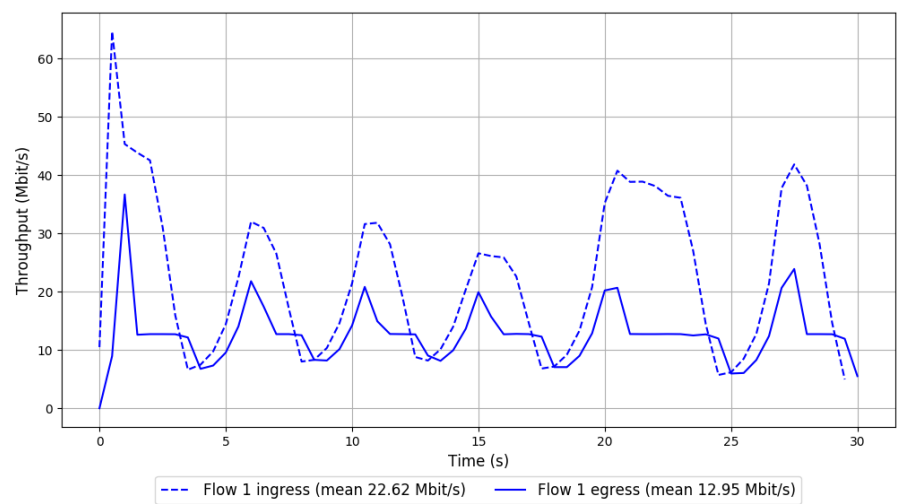
-- Flow 1:

Average throughput: 12.95 Mbit/s

95th percentile per-packet one-way delay: 33.619 ms

Loss rate: 42.77%

Run 4: Report of PCC-Expr — Data Link





Run 5: Statistics of PCC-Expr

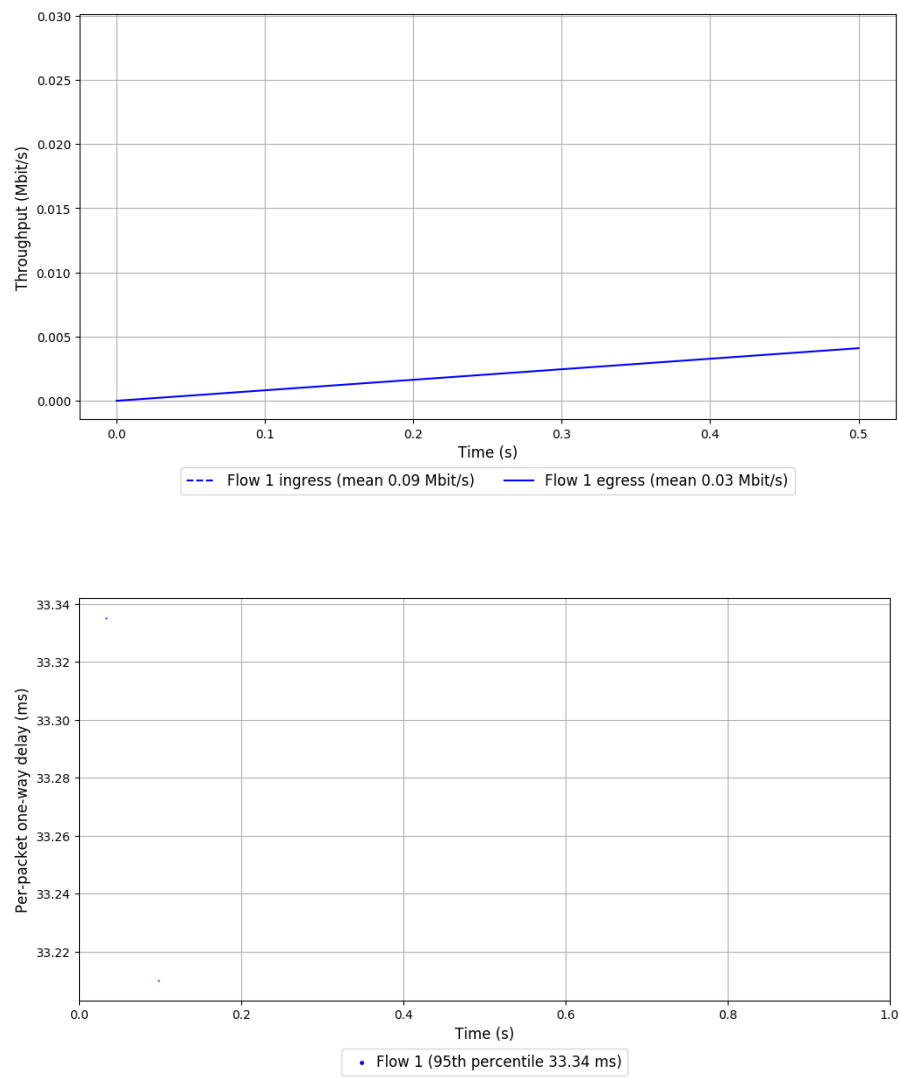
Start at: 2019-01-24 16:24:57

End at: 2019-01-24 16:25:27

Local clock offset: -1.563 ms

Remote clock offset: 0.233 ms

Run 5: Report of PCC-Expr — Data Link

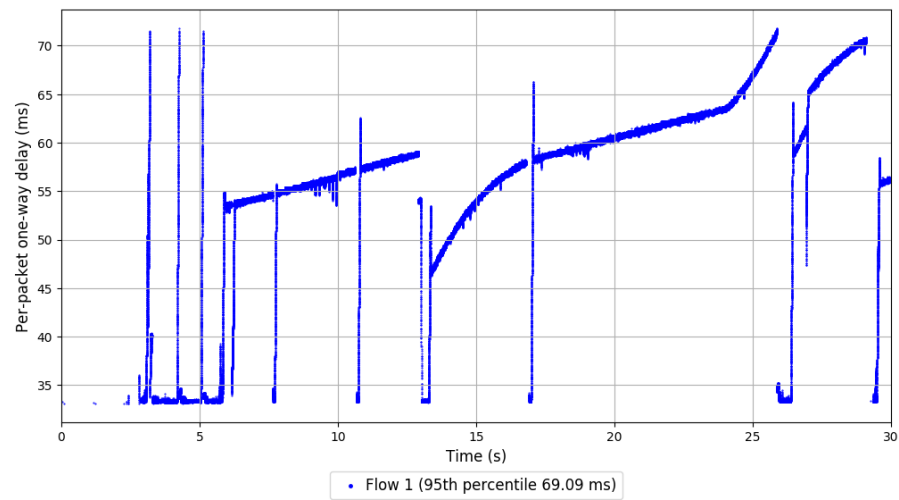
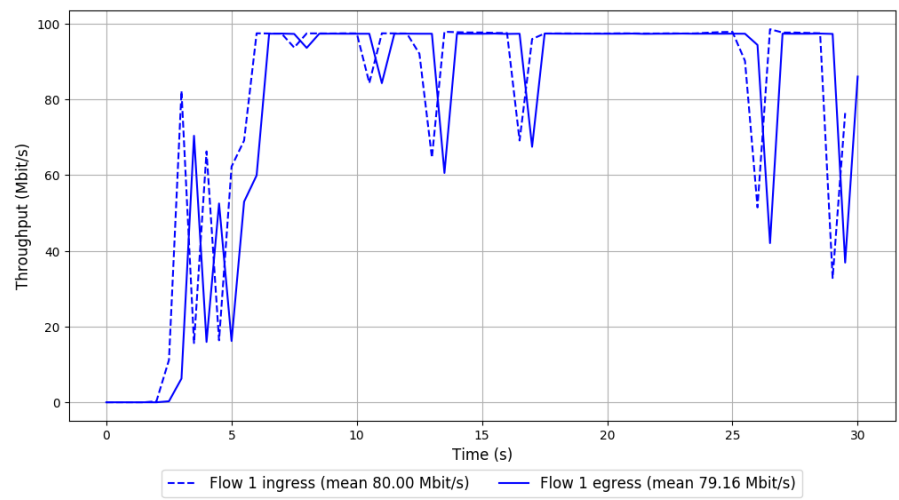


Run 1: Statistics of QUIC Cubic

Start at: 2019-01-24 14:39:55  
End at: 2019-01-24 14:40:25  
Local clock offset: -7.495 ms  
Remote clock offset: -0.748 ms

# Below is generated by plot.py at 2019-01-24 16:35:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 79.16 Mbit/s  
95th percentile per-packet one-way delay: 69.087 ms  
Loss rate: 0.98%  
-- Flow 1:  
Average throughput: 79.16 Mbit/s  
95th percentile per-packet one-way delay: 69.087 ms  
Loss rate: 0.98%

Run 1: Report of QUIC Cubic — Data Link



Run 2: Statistics of QUIC Cubic

Start at: 2019-01-24 15:04:52

End at: 2019-01-24 15:05:22

Local clock offset: -5.481 ms

Remote clock offset: -0.278 ms

# Below is generated by plot.py at 2019-01-24 16:35:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.28 Mbit/s

95th percentile per-packet one-way delay: 51.684 ms

Loss rate: 0.75%

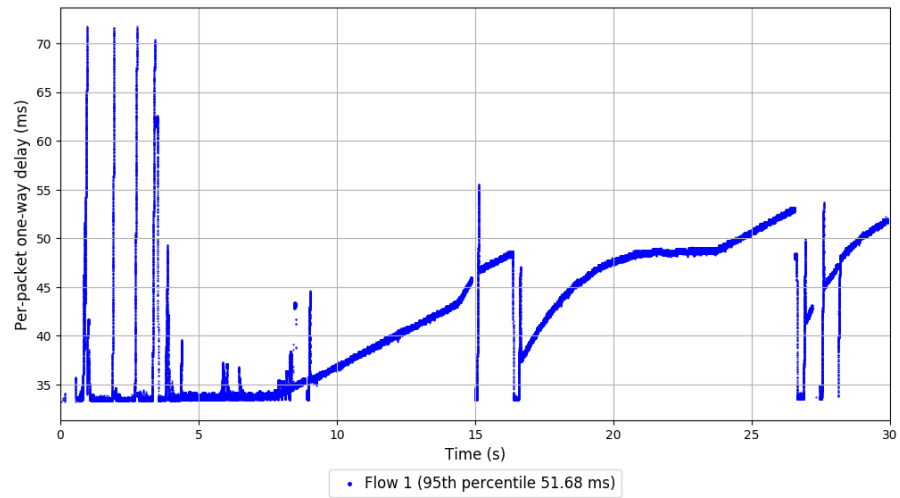
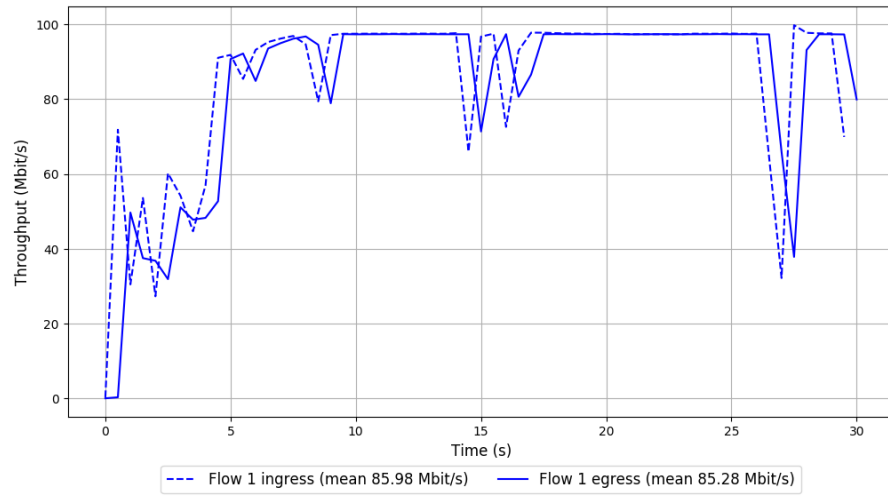
-- Flow 1:

Average throughput: 85.28 Mbit/s

95th percentile per-packet one-way delay: 51.684 ms

Loss rate: 0.75%

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



Run 3: Statistics of QUIC Cubic

Start at: 2019-01-24 15:30:27

End at: 2019-01-24 15:30:57

Local clock offset: -4.267 ms

Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2019-01-24 16:35:13

# Datalink statistics

-- Total of 1 flow:

Average throughput: 80.18 Mbit/s

95th percentile per-packet one-way delay: 68.740 ms

Loss rate: 1.62%

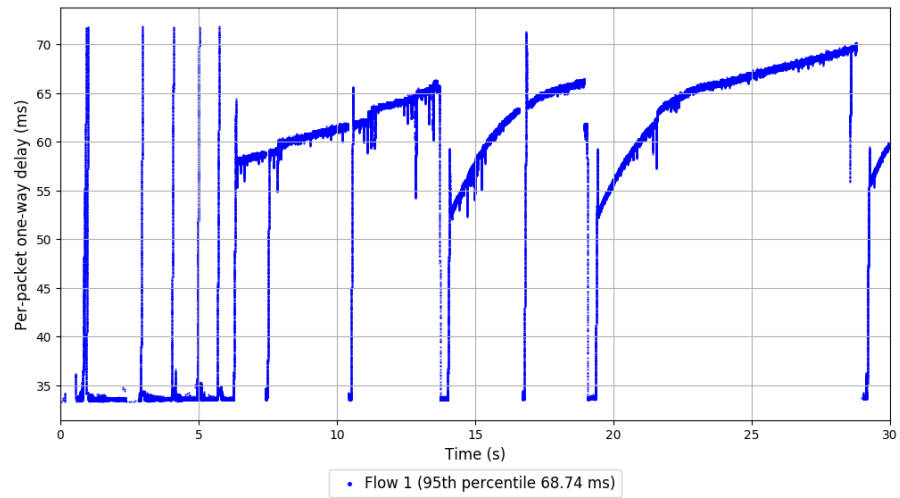
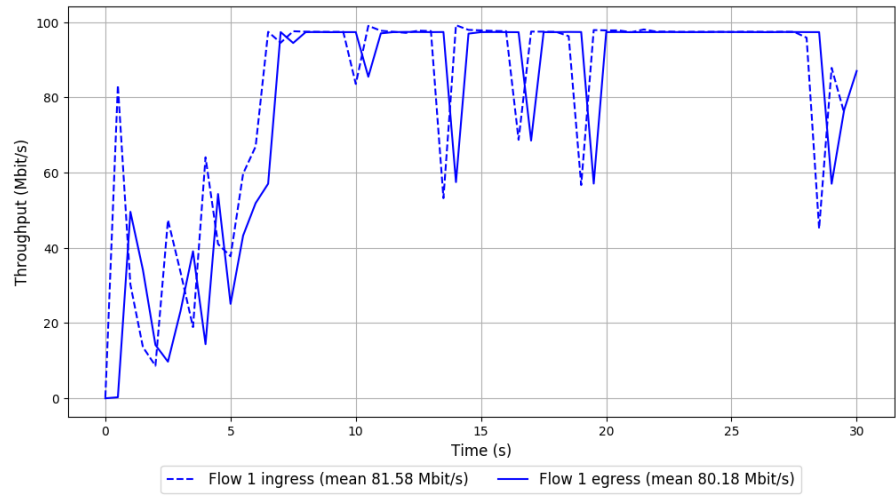
-- Flow 1:

Average throughput: 80.18 Mbit/s

95th percentile per-packet one-way delay: 68.740 ms

Loss rate: 1.62%

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



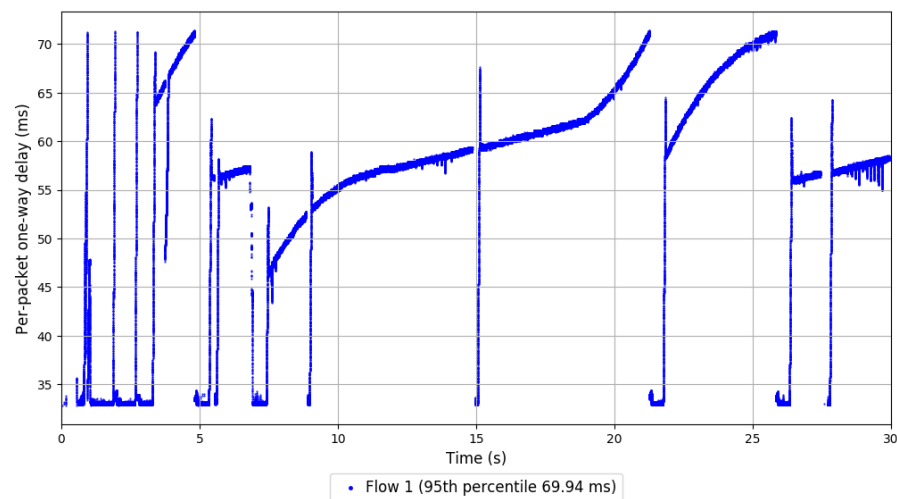
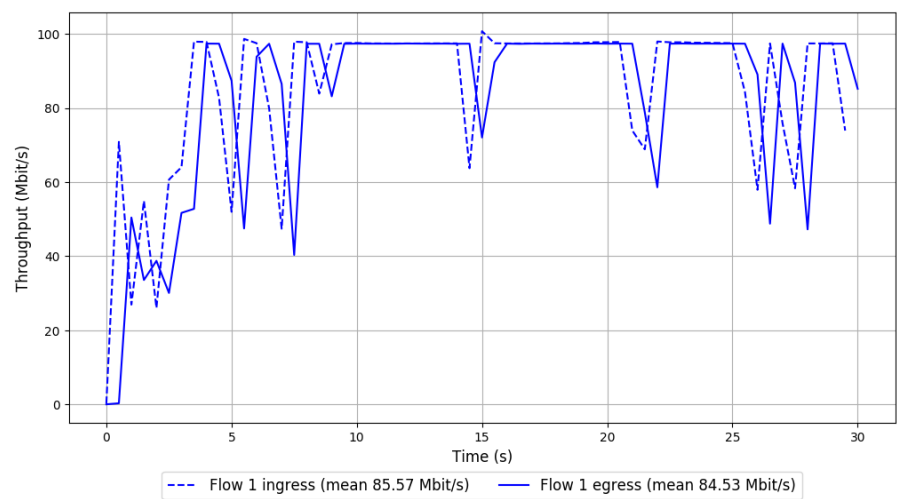


Run 4: Statistics of QUIC Cubic

Start at: 2019-01-24 15:55:15  
End at: 2019-01-24 15:55:45  
Local clock offset: -2.357 ms  
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2019-01-24 16:35:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.53 Mbit/s  
95th percentile per-packet one-way delay: 69.935 ms  
Loss rate: 1.13%  
-- Flow 1:  
Average throughput: 84.53 Mbit/s  
95th percentile per-packet one-way delay: 69.935 ms  
Loss rate: 1.13%

Run 4: Report of QUIC Cubic — Data Link



Run 5: Statistics of QUIC Cubic

Start at: 2019-01-24 16:19:59

End at: 2019-01-24 16:20:29

Local clock offset: -1.356 ms

Remote clock offset: 0.058 ms

# Below is generated by plot.py at 2019-01-24 16:35:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 60.43 Mbit/s

95th percentile per-packet one-way delay: 59.921 ms

Loss rate: 2.19%

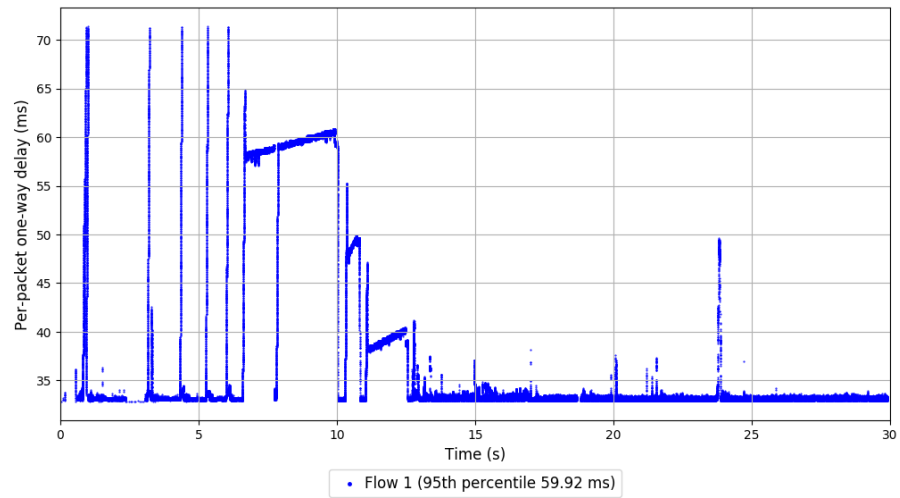
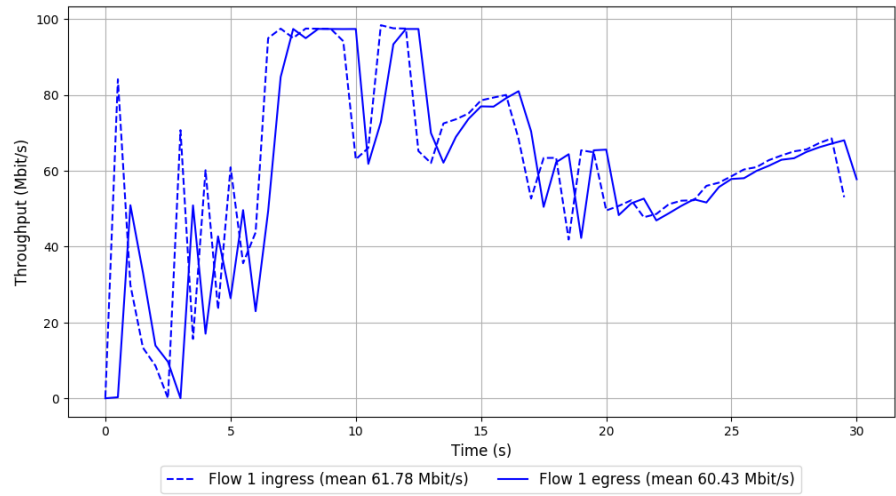
-- Flow 1:

Average throughput: 60.43 Mbit/s

95th percentile per-packet one-way delay: 59.921 ms

Loss rate: 2.19%

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

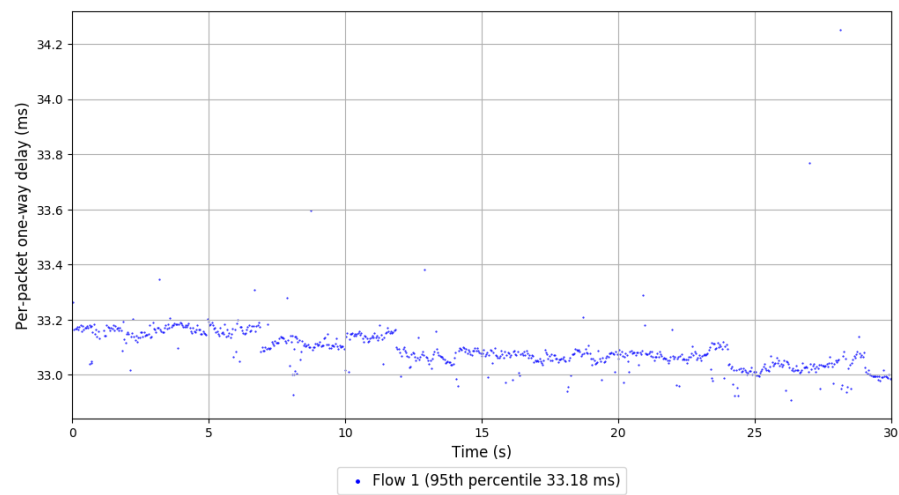
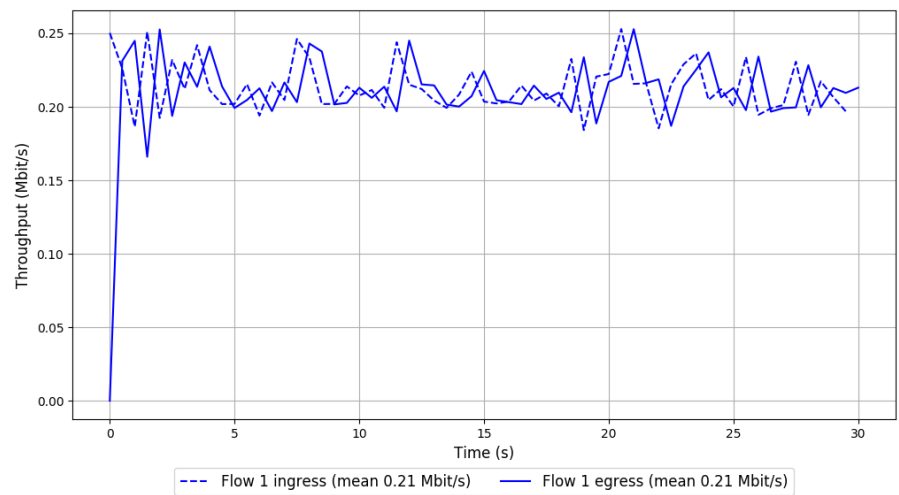


Run 1: Statistics of SCReAM

Start at: 2019-01-24 14:22:20  
End at: 2019-01-24 14:22:50  
Local clock offset: -12.948 ms  
Remote clock offset: -0.849 ms

# Below is generated by plot.py at 2019-01-24 16:35:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 33.182 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 33.182 ms  
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

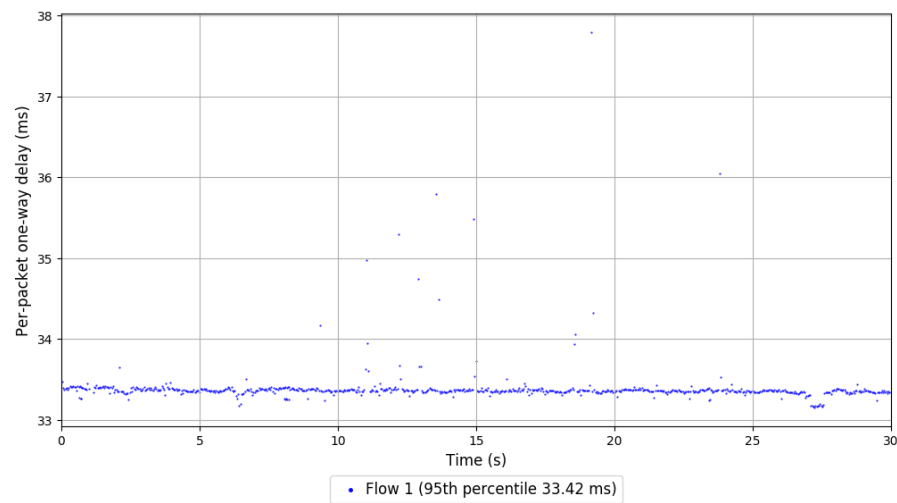
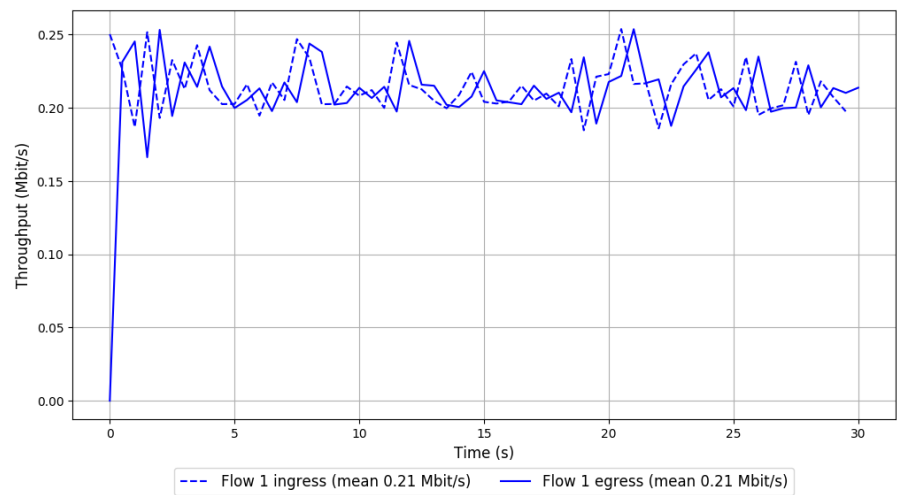


Run 2: Statistics of SCReAM

Start at: 2019-01-24 14:47:02  
End at: 2019-01-24 14:47:32  
Local clock offset: -6.679 ms  
Remote clock offset: -0.538 ms

# Below is generated by plot.py at 2019-01-24 16:35:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 33.419 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 33.419 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



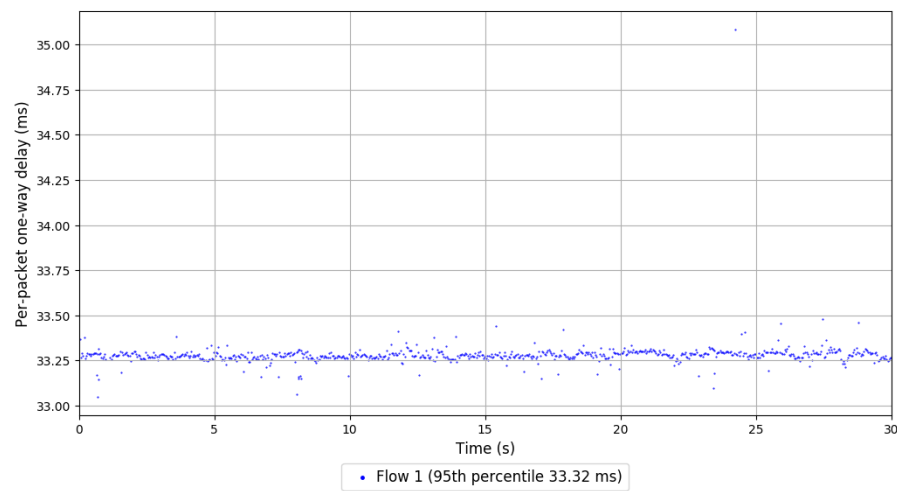
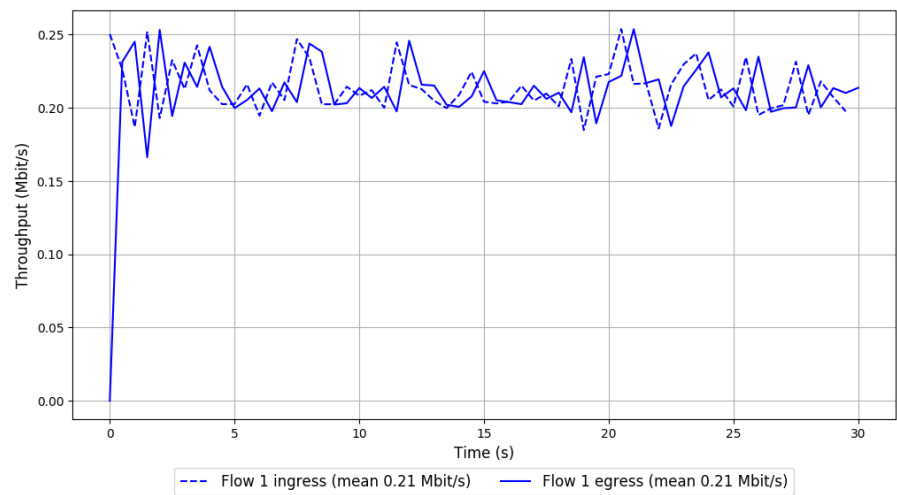


Run 3: Statistics of SCReAM

Start at: 2019-01-24 15:12:25  
End at: 2019-01-24 15:12:56  
Local clock offset: -3.714 ms  
Remote clock offset: -0.352 ms

# Below is generated by plot.py at 2019-01-24 16:35:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 33.317 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 33.317 ms  
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link



Run 4: Statistics of SCReAM

Start at: 2019-01-24 15:37:32

End at: 2019-01-24 15:38:02

Local clock offset: -2.352 ms

Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2019-01-24 16:35:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.518 ms

Loss rate: 0.00%

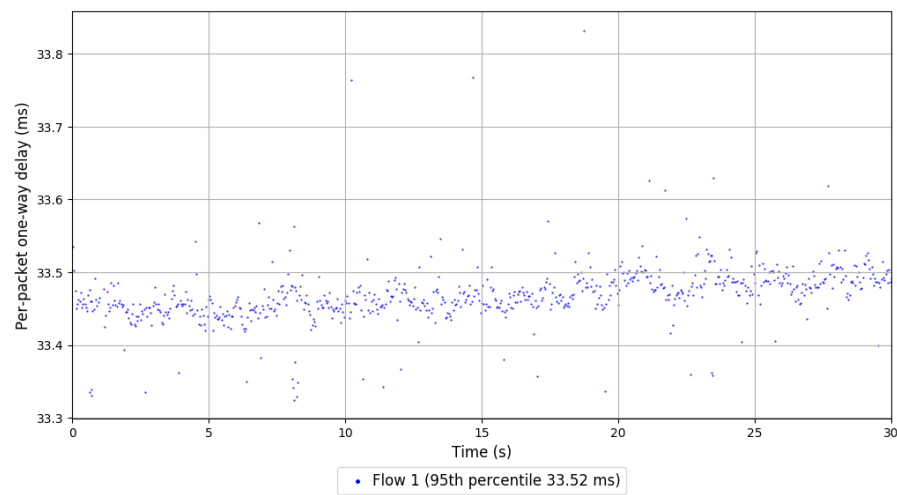
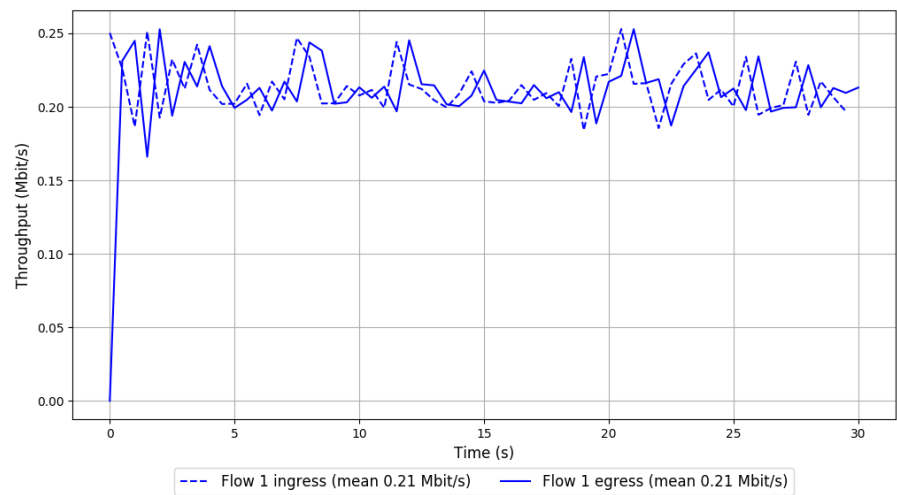
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.518 ms

Loss rate: 0.00%

Run 4: Report of SReAM — Data Link



Run 5: Statistics of SCReAM

Start at: 2019-01-24 16:02:14

End at: 2019-01-24 16:02:44

Local clock offset: -2.179 ms

Remote clock offset: 0.178 ms

# Below is generated by plot.py at 2019-01-24 16:35:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.490 ms

Loss rate: 0.00%

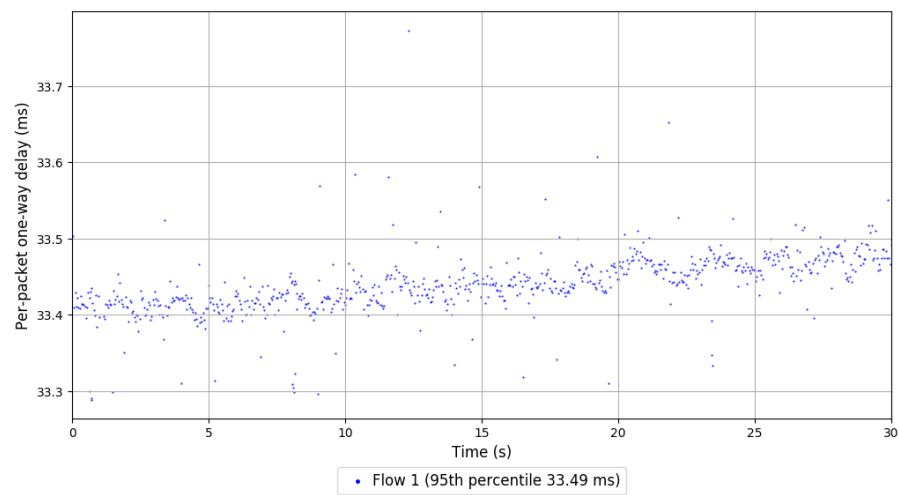
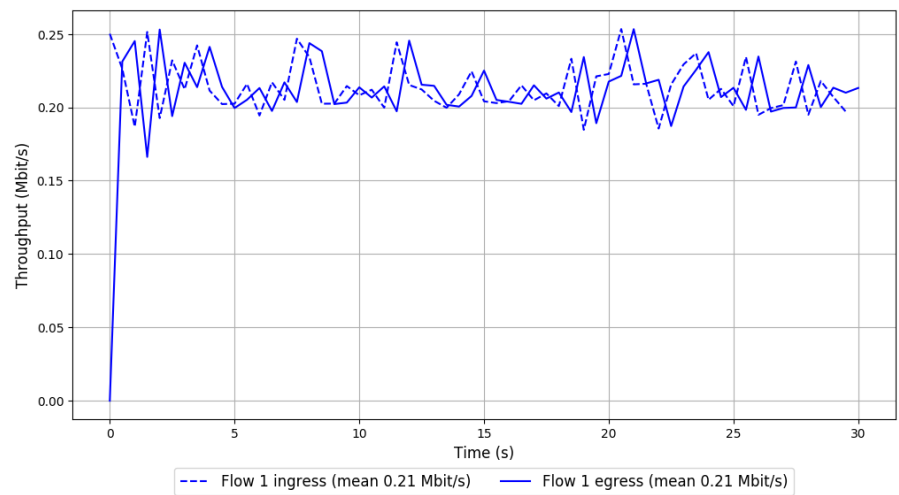
-- Flow 1:

Average throughput: 0.21 Mbit/s

95th percentile per-packet one-way delay: 33.490 ms

Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

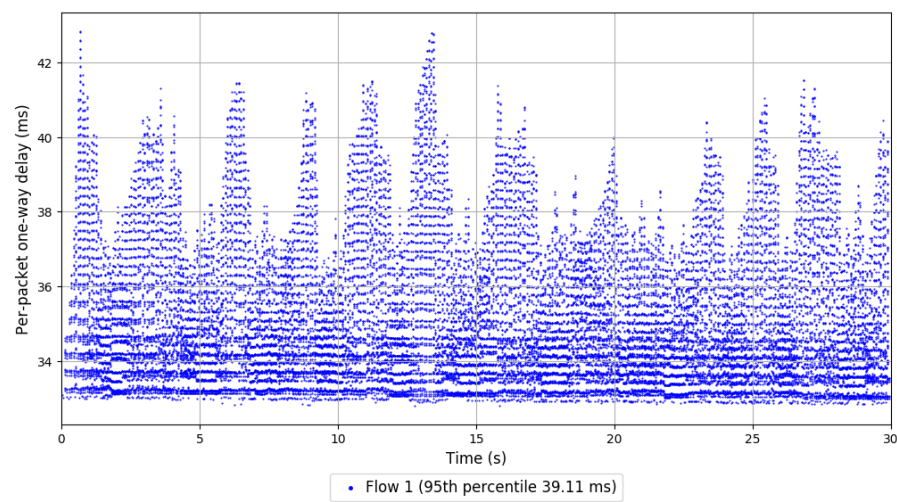
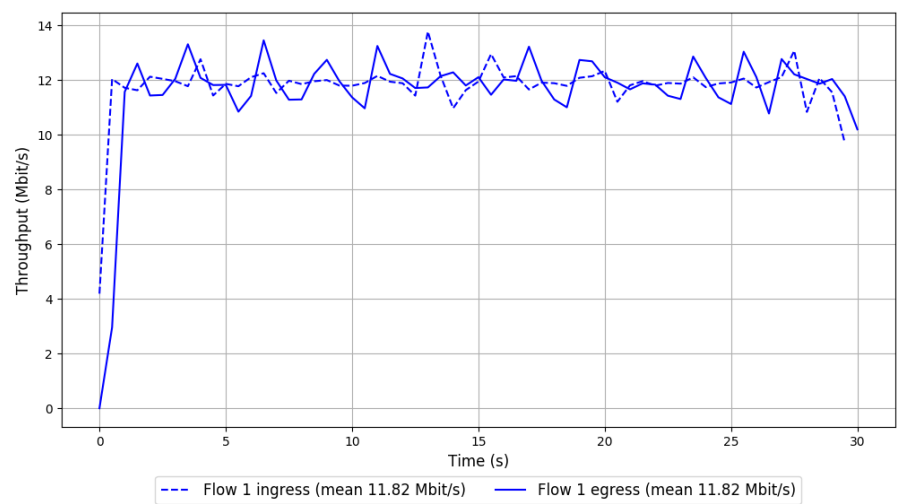


Run 1: Statistics of Sprout

Start at: 2019-01-24 14:24:48  
End at: 2019-01-24 14:25:18  
Local clock offset: -13.658 ms  
Remote clock offset: -0.864 ms

# Below is generated by plot.py at 2019-01-24 16:35:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.82 Mbit/s  
95th percentile per-packet one-way delay: 39.112 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 11.82 Mbit/s  
95th percentile per-packet one-way delay: 39.112 ms  
Loss rate: 0.04%

Run 1: Report of Sprout — Data Link



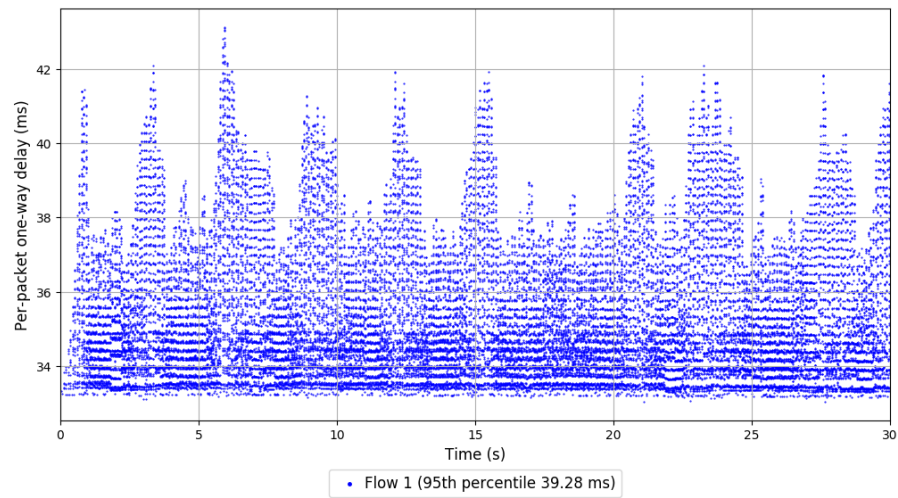
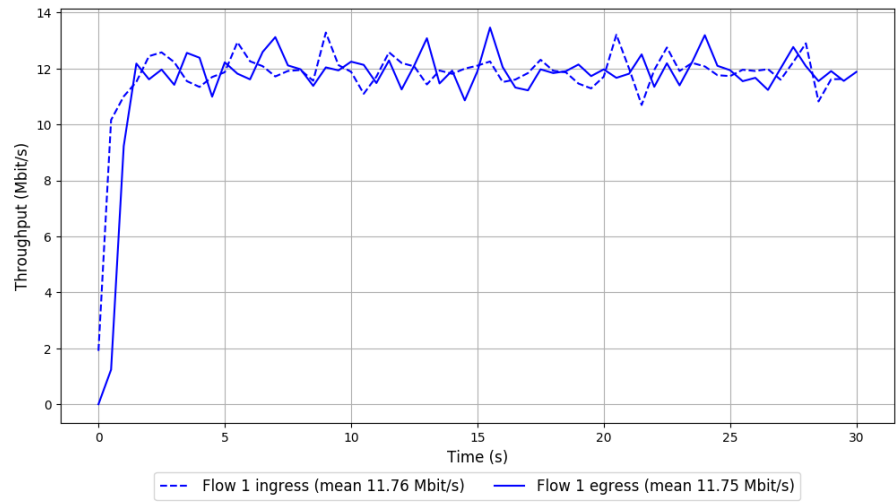


Run 2: Statistics of Sprout

Start at: 2019-01-24 14:49:24  
End at: 2019-01-24 14:49:54  
Local clock offset: -6.842 ms  
Remote clock offset: -0.572 ms

# Below is generated by plot.py at 2019-01-24 16:35:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.75 Mbit/s  
95th percentile per-packet one-way delay: 39.279 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 11.75 Mbit/s  
95th percentile per-packet one-way delay: 39.279 ms  
Loss rate: 0.05%

## Run 2: Report of Sprout — Data Link

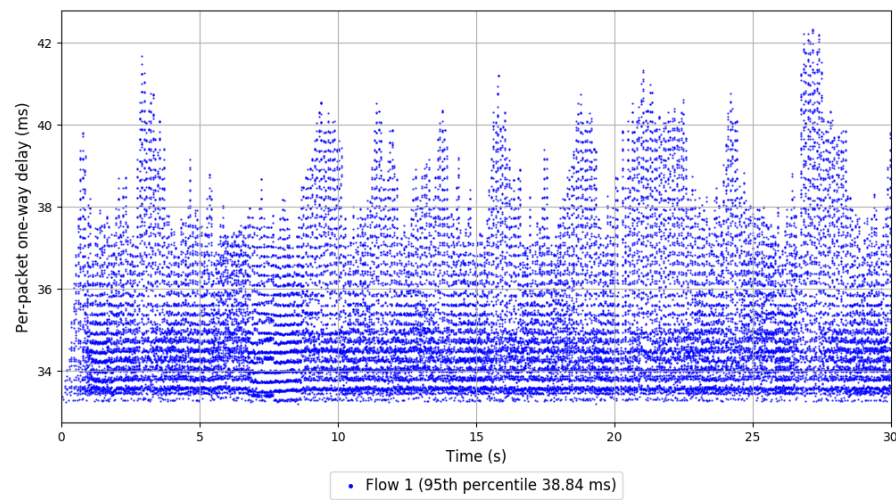
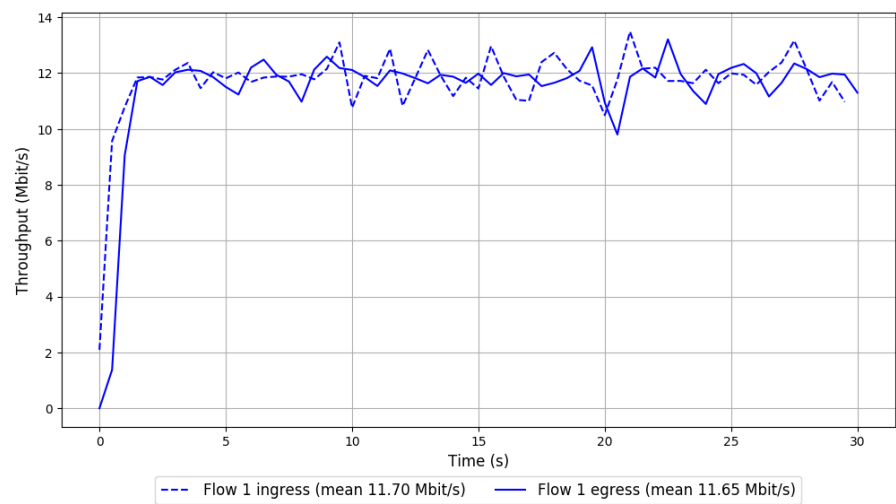


Run 3: Statistics of Sprout

Start at: 2019-01-24 15:14:51  
End at: 2019-01-24 15:15:21  
Local clock offset: -3.547 ms  
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2019-01-24 16:35:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.65 Mbit/s  
95th percentile per-packet one-way delay: 38.837 ms  
Loss rate: 0.43%  
-- Flow 1:  
Average throughput: 11.65 Mbit/s  
95th percentile per-packet one-way delay: 38.837 ms  
Loss rate: 0.43%

Run 3: Report of Sprout — Data Link



Run 4: Statistics of Sprout

Start at: 2019-01-24 15:39:49

End at: 2019-01-24 15:40:19

Local clock offset: -2.128 ms

Remote clock offset: 0.057 ms

# Below is generated by plot.py at 2019-01-24 16:35:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.79 Mbit/s

95th percentile per-packet one-way delay: 38.640 ms

Loss rate: 0.00%

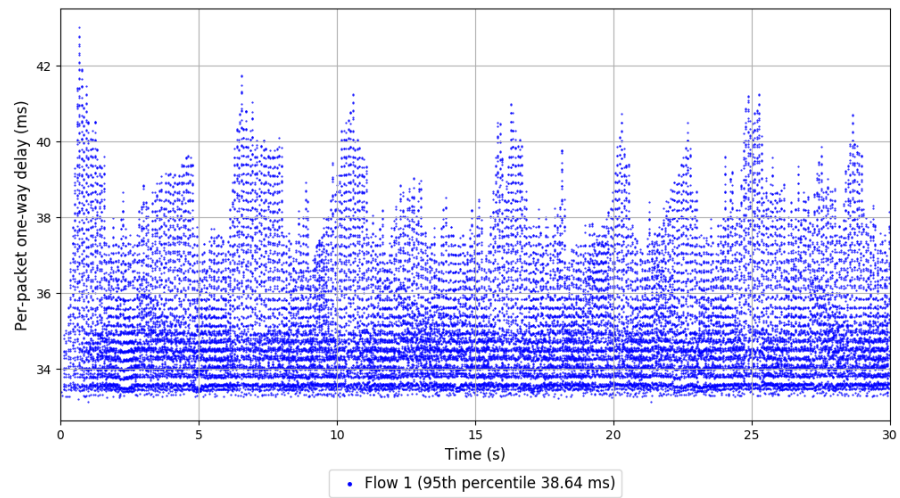
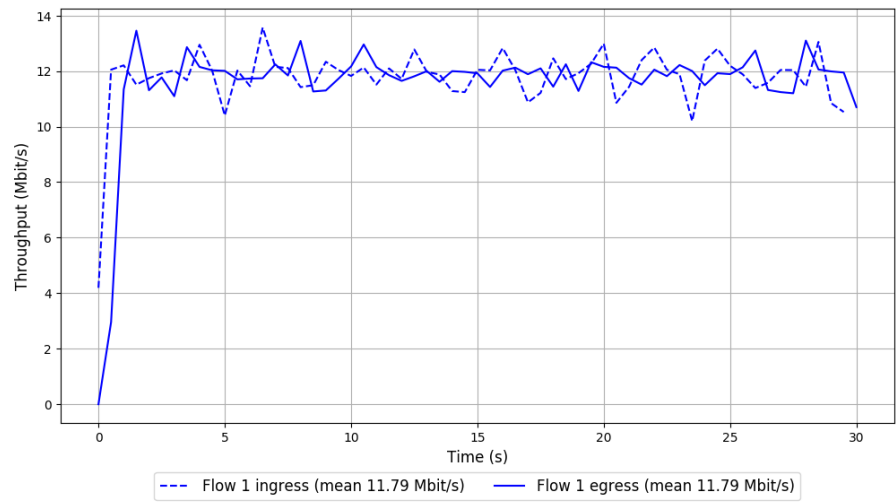
-- Flow 1:

Average throughput: 11.79 Mbit/s

95th percentile per-packet one-way delay: 38.640 ms

Loss rate: 0.00%

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



Run 5: Statistics of Sprout

Start at: 2019-01-24 16:04:31

End at: 2019-01-24 16:05:02

Local clock offset: -1.839 ms

Remote clock offset: 0.278 ms

# Below is generated by plot.py at 2019-01-24 16:35:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.77 Mbit/s

95th percentile per-packet one-way delay: 38.847 ms

Loss rate: 0.06%

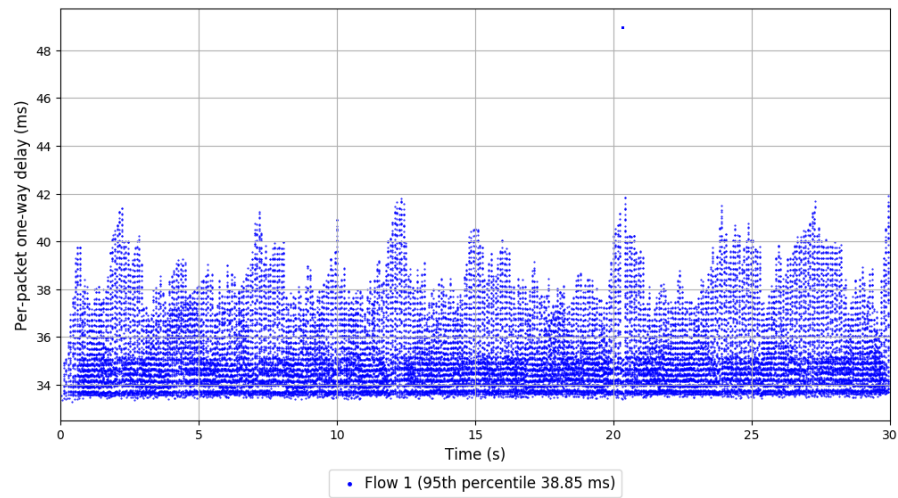
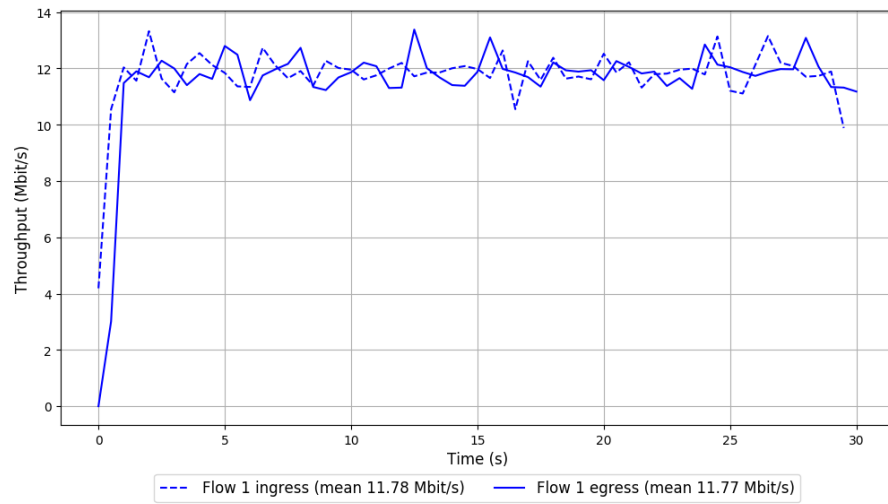
-- Flow 1:

Average throughput: 11.77 Mbit/s

95th percentile per-packet one-way delay: 38.847 ms

Loss rate: 0.06%

## Run 5: Report of Sprout — Data Link





Run 1: Statistics of TaoVA-100x

Start at: 2019-01-24 14:35:08

End at: 2019-01-24 14:35:38

Local clock offset: -9.748 ms

Remote clock offset: -0.99 ms

# Below is generated by plot.py at 2019-01-24 16:35:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.37 Mbit/s

95th percentile per-packet one-way delay: 33.683 ms

Loss rate: 77.84%

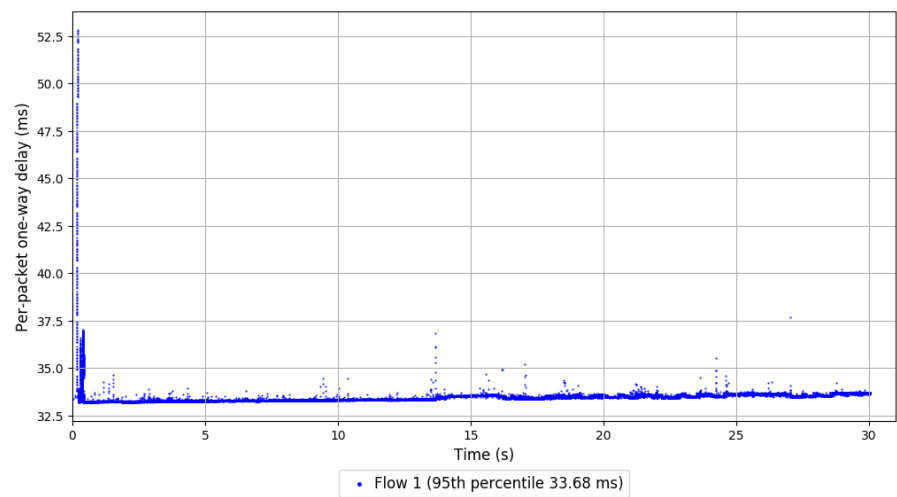
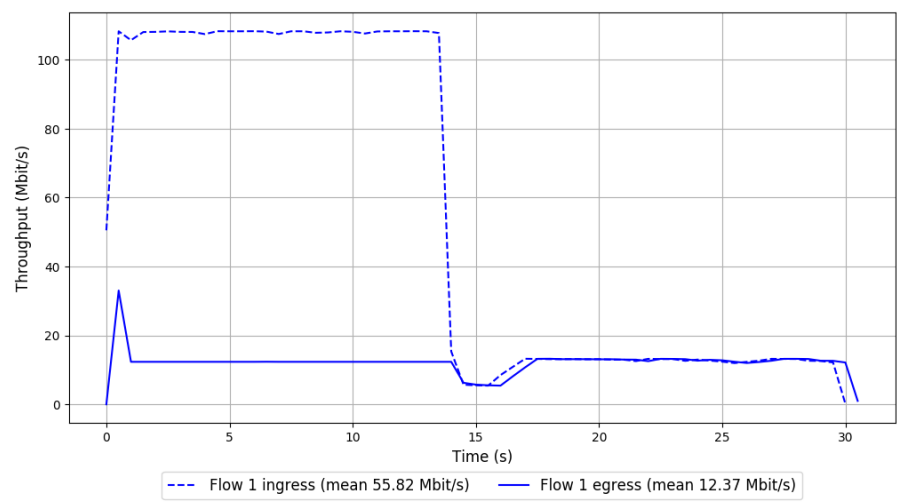
-- Flow 1:

Average throughput: 12.37 Mbit/s

95th percentile per-packet one-way delay: 33.683 ms

Loss rate: 77.84%

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



Run 2: Statistics of TaoVA-100x

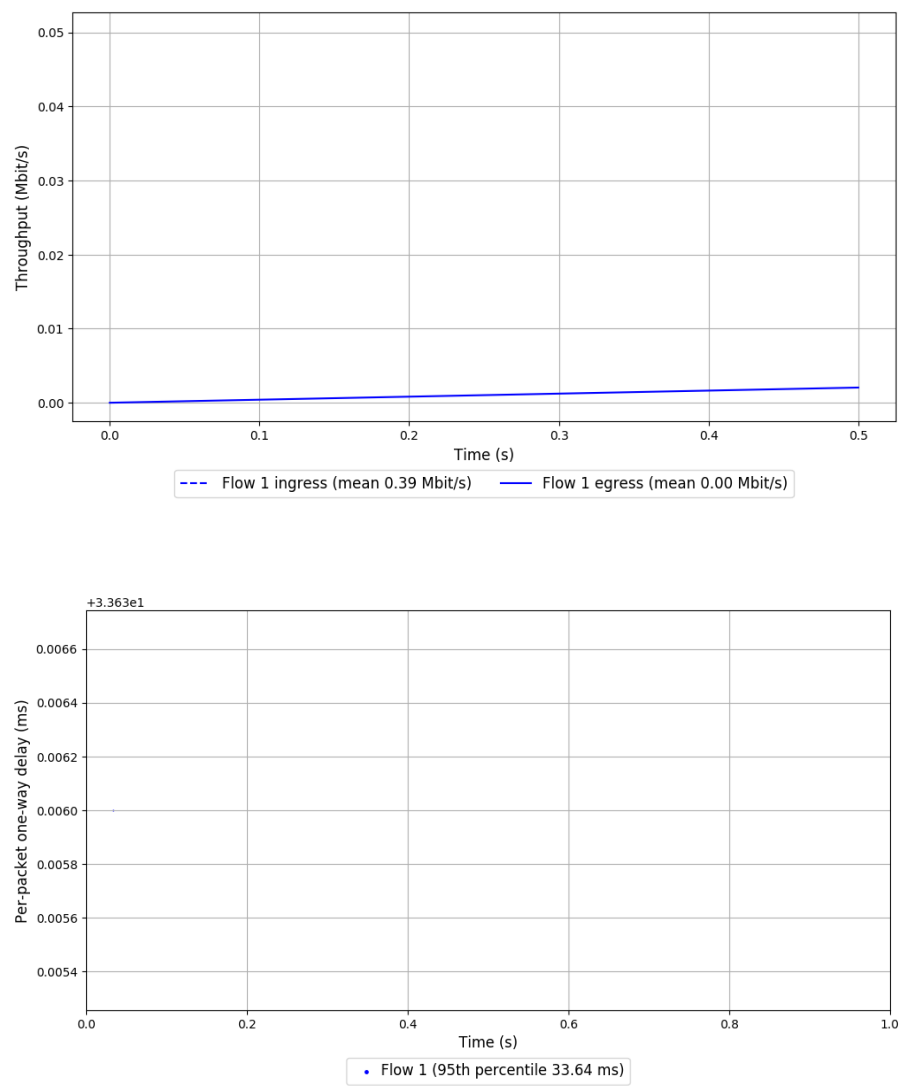
Start at: 2019-01-24 15:00:04

End at: 2019-01-24 15:00:34

Local clock offset: -8.345 ms

Remote clock offset: -0.438 ms

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



Run 3: Statistics of TaoVA-100x

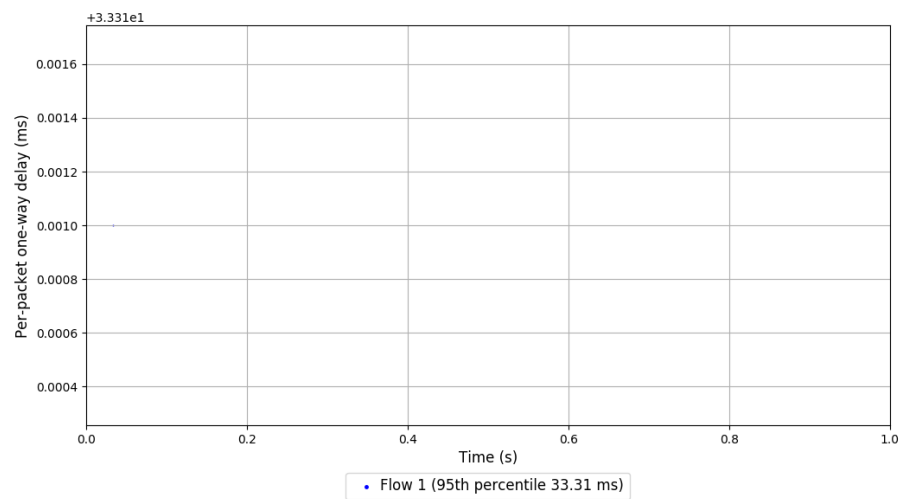
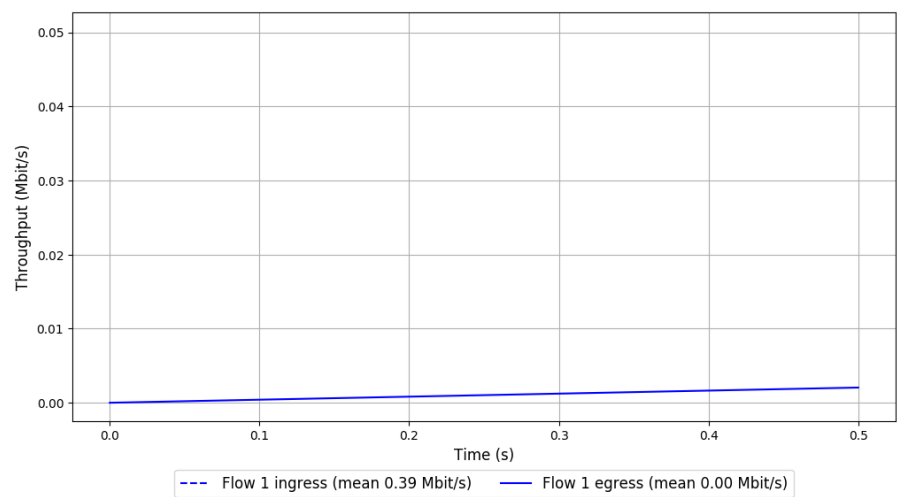
Start at: 2019-01-24 15:25:34

End at: 2019-01-24 15:26:04

Local clock offset: -4.006 ms

Remote clock offset: -0.077 ms

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



Run 4: Statistics of TaoVA-100x

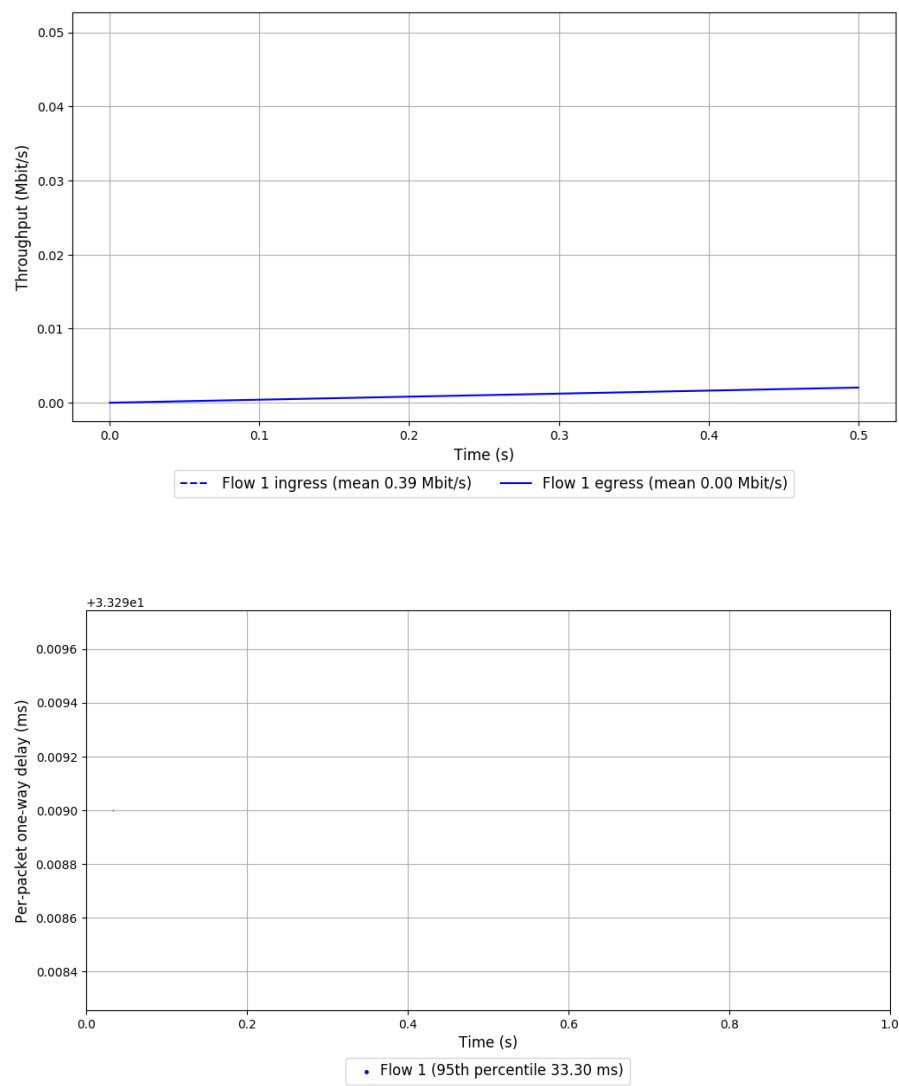
Start at: 2019-01-24 15:50:35

End at: 2019-01-24 15:51:05

Local clock offset: -2.071 ms

Remote clock offset: 0.134 ms

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





Run 5: Statistics of TaoVA-100x

Start at: 2019-01-24 16:15:06

End at: 2019-01-24 16:15:36

Local clock offset: -1.291 ms

Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2019-01-24 16:35:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.68 Mbit/s

95th percentile per-packet one-way delay: 33.268 ms

Loss rate: 77.44%

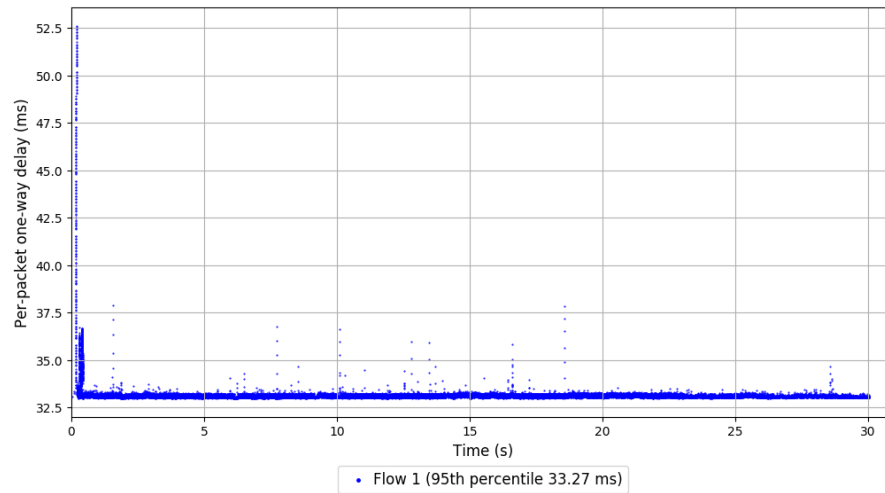
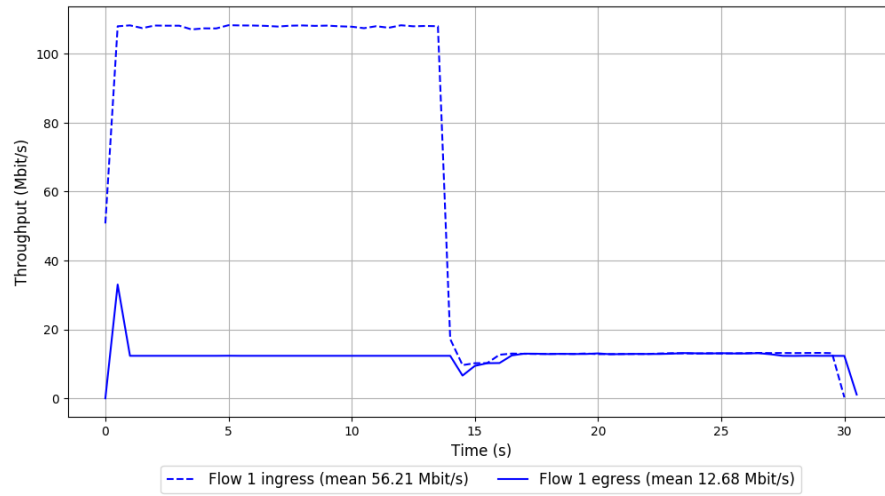
-- Flow 1:

Average throughput: 12.68 Mbit/s

95th percentile per-packet one-way delay: 33.268 ms

Loss rate: 77.44%

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

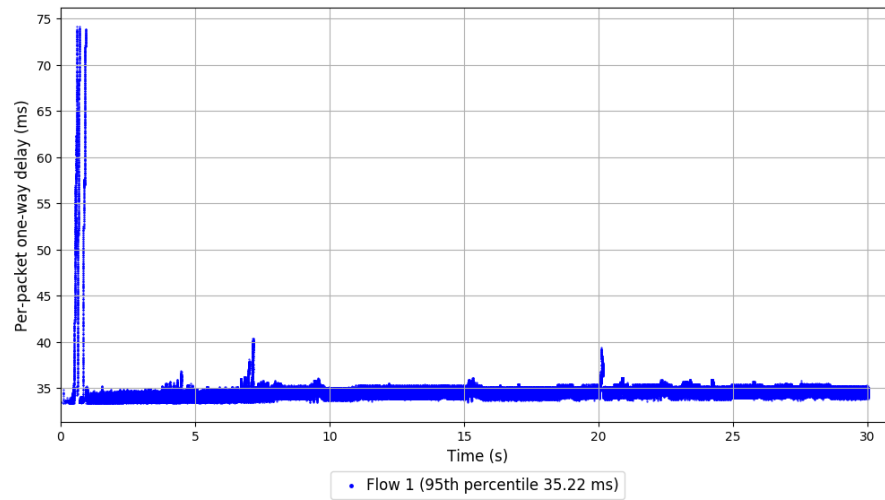
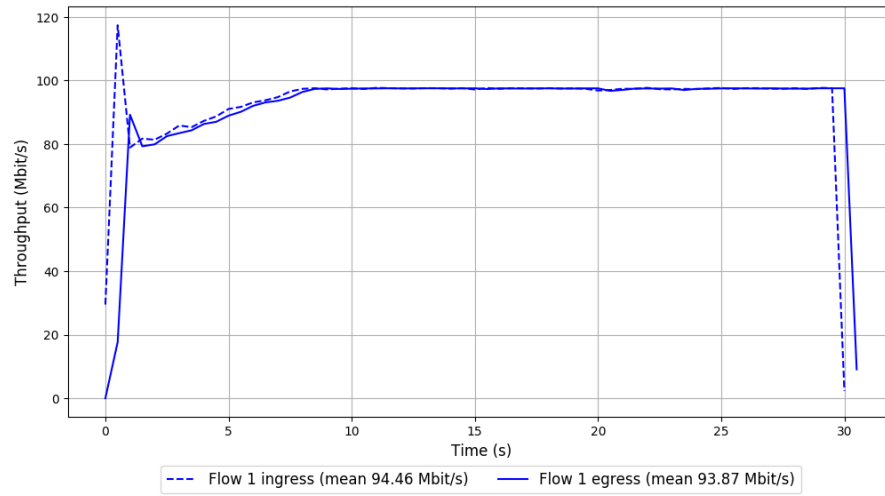


Run 1: Statistics of TCP Vegas

Start at: 2019-01-24 14:36:15  
End at: 2019-01-24 14:36:45  
Local clock offset: -9.069 ms  
Remote clock offset: -0.774 ms

# Below is generated by plot.py at 2019-01-24 16:36:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.87 Mbit/s  
95th percentile per-packet one-way delay: 35.215 ms  
Loss rate: 0.62%  
-- Flow 1:  
Average throughput: 93.87 Mbit/s  
95th percentile per-packet one-way delay: 35.215 ms  
Loss rate: 0.62%

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

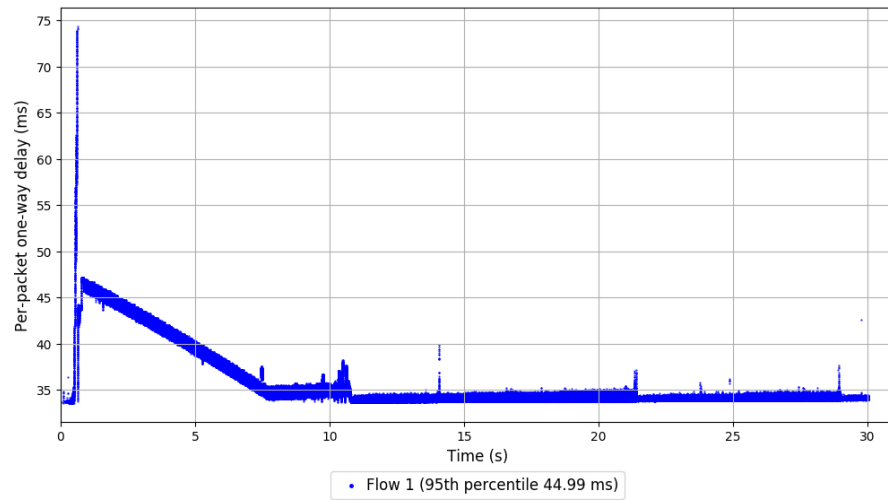
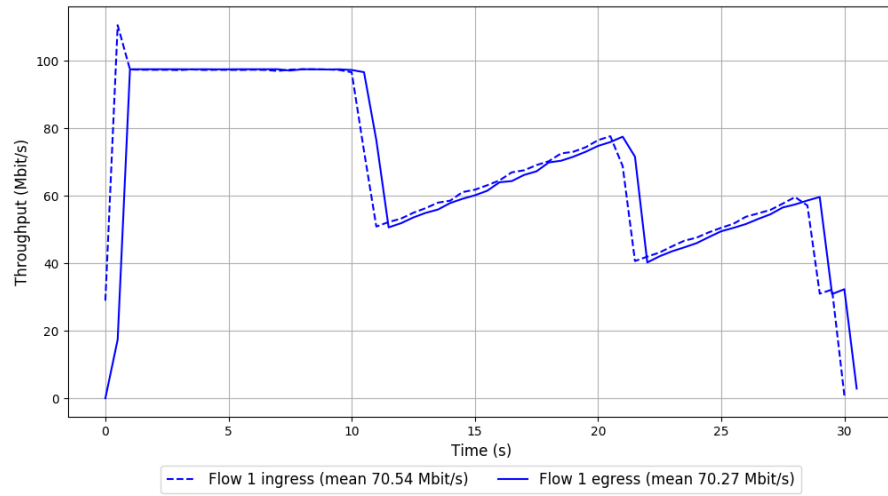


Run 2: Statistics of TCP Vegas

Start at: 2019-01-24 15:01:10  
End at: 2019-01-24 15:01:40  
Local clock offset: -7.614 ms  
Remote clock offset: -0.396 ms

# Below is generated by plot.py at 2019-01-24 16:36:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.27 Mbit/s  
95th percentile per-packet one-way delay: 44.993 ms  
Loss rate: 0.38%  
-- Flow 1:  
Average throughput: 70.27 Mbit/s  
95th percentile per-packet one-way delay: 44.993 ms  
Loss rate: 0.38%

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

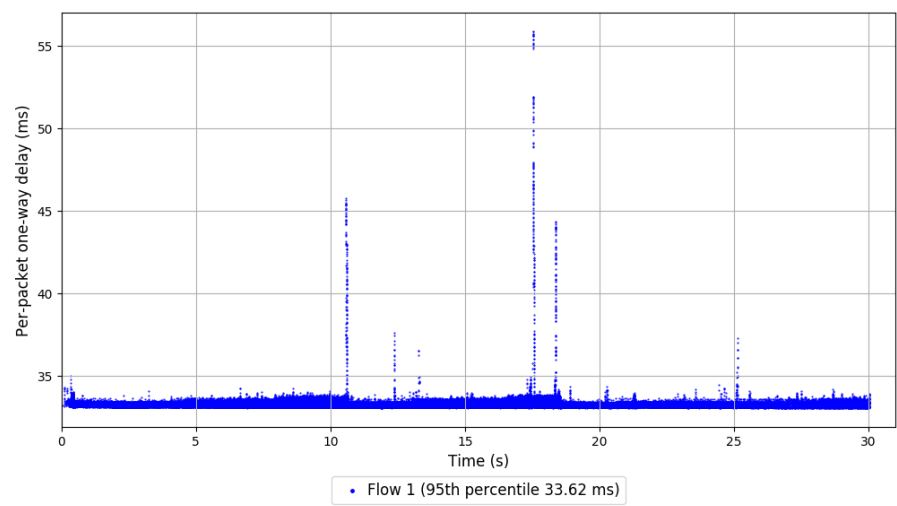
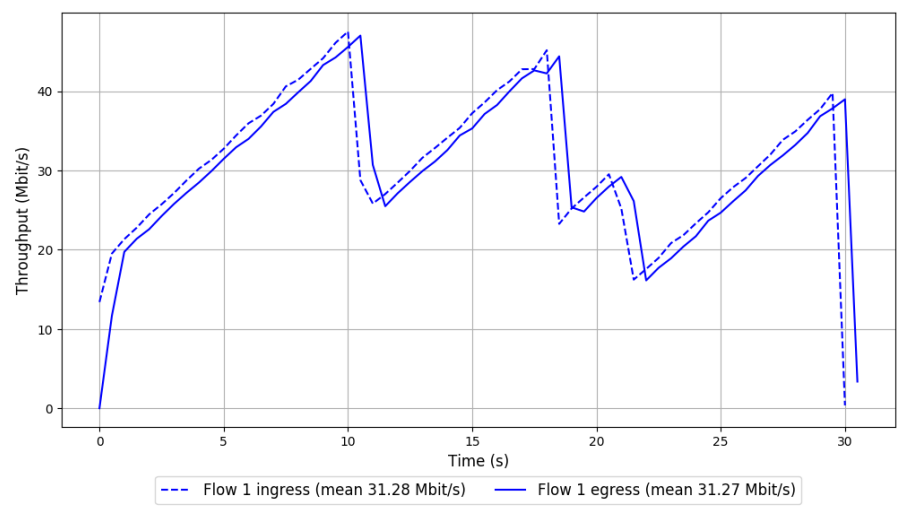


Run 3: Statistics of TCP Vegas

Start at: 2019-01-24 15:26:40  
End at: 2019-01-24 15:27:10  
Local clock offset: -4.118 ms  
Remote clock offset: -0.099 ms

# Below is generated by plot.py at 2019-01-24 16:36:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 31.27 Mbit/s  
95th percentile per-packet one-way delay: 33.620 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 31.27 Mbit/s  
95th percentile per-packet one-way delay: 33.620 ms  
Loss rate: 0.04%

Run 3: Report of TCP Vegas — Data Link



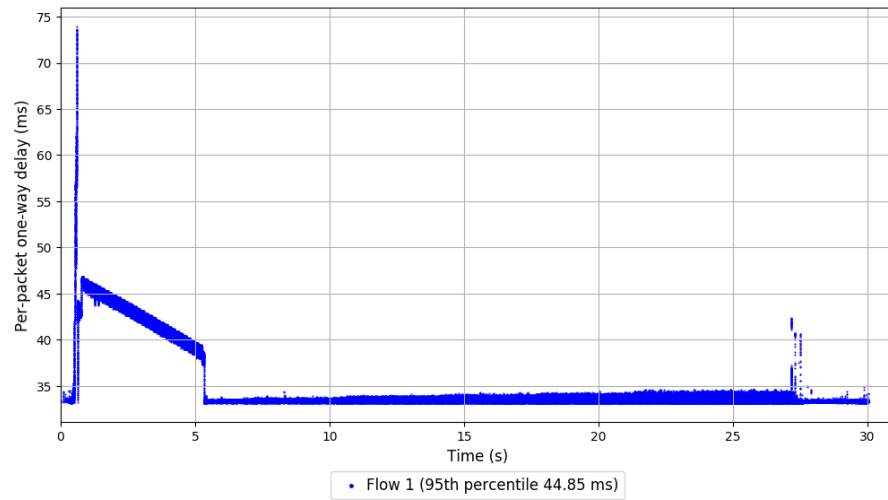
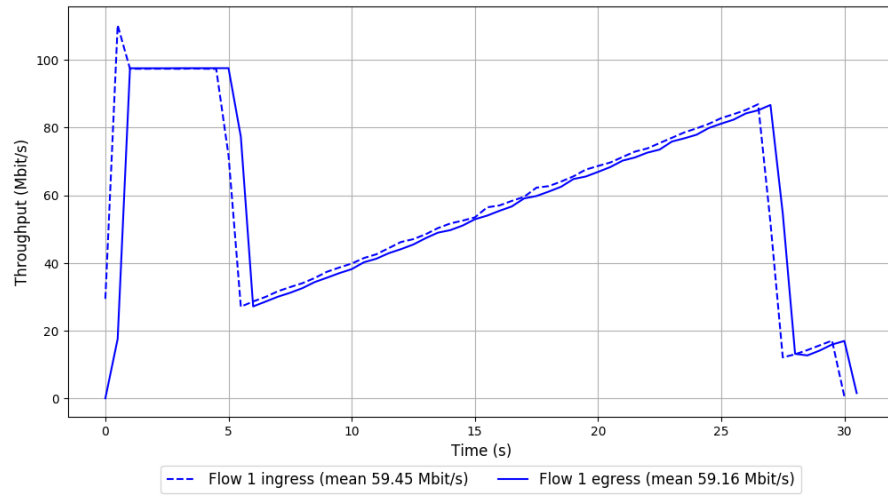


Run 4: Statistics of TCP Vegas

Start at: 2019-01-24 15:51:41  
End at: 2019-01-24 15:52:11  
Local clock offset: -2.143 ms  
Remote clock offset: 0.157 ms

# Below is generated by plot.py at 2019-01-24 16:36:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 59.16 Mbit/s  
95th percentile per-packet one-way delay: 44.846 ms  
Loss rate: 0.49%  
-- Flow 1:  
Average throughput: 59.16 Mbit/s  
95th percentile per-packet one-way delay: 44.846 ms  
Loss rate: 0.49%

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



Run 5: Statistics of TCP Vegas

Start at: 2019-01-24 16:16:14

End at: 2019-01-24 16:16:44

Local clock offset: -1.294 ms

Remote clock offset: 0.226 ms

# Below is generated by plot.py at 2019-01-24 16:36:18

# Datalink statistics

-- Total of 1 flow:

Average throughput: 66.69 Mbit/s

95th percentile per-packet one-way delay: 44.586 ms

Loss rate: 0.40%

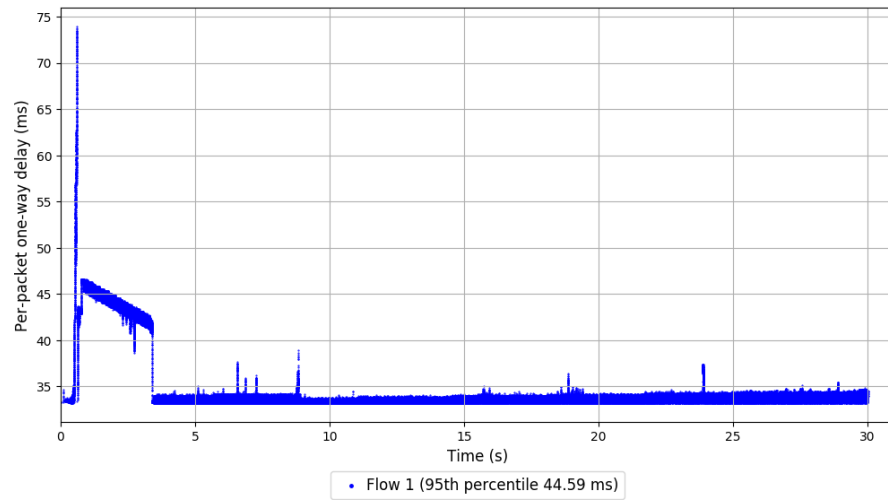
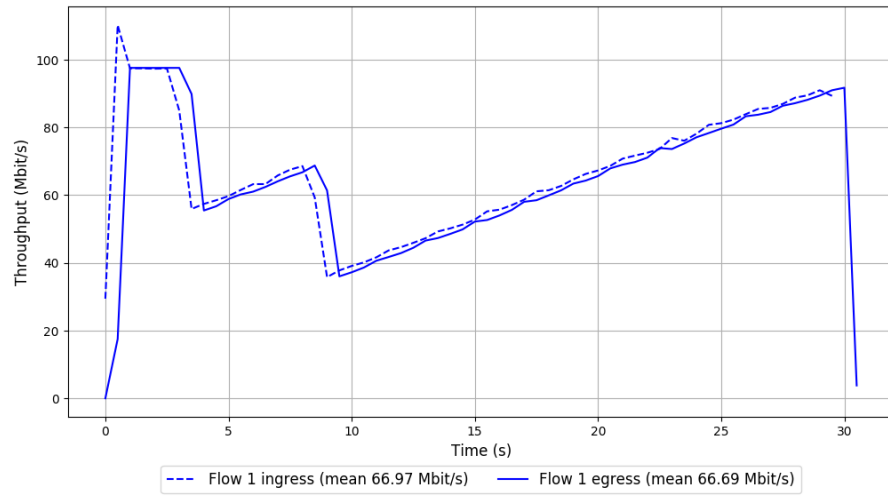
-- Flow 1:

Average throughput: 66.69 Mbit/s

95th percentile per-packet one-way delay: 44.586 ms

Loss rate: 0.40%

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

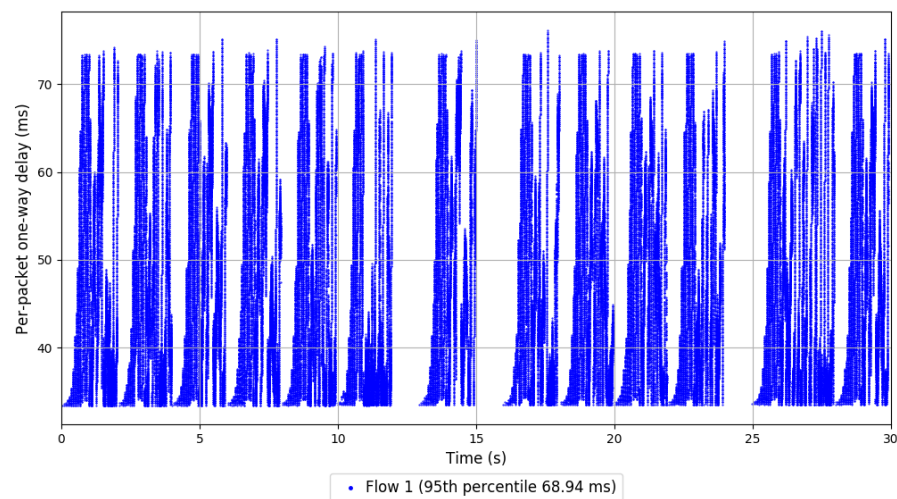
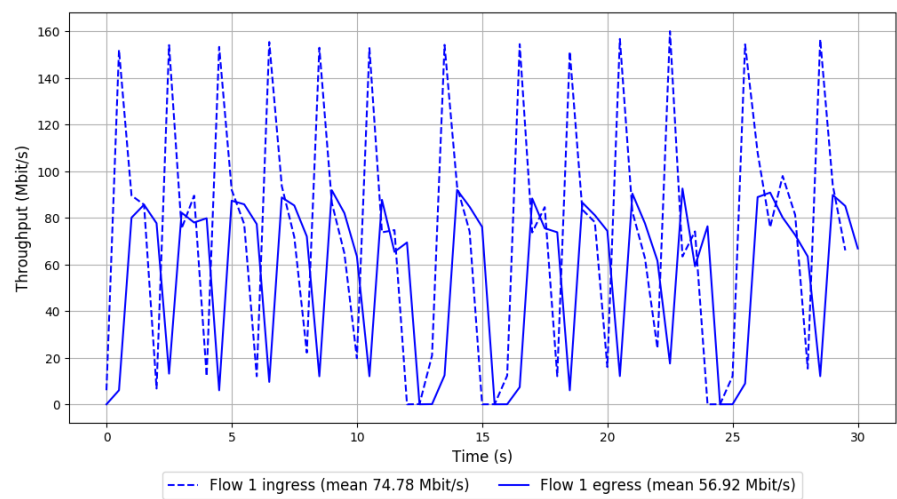


Run 1: Statistics of Verus

Start at: 2019-01-24 14:38:37  
End at: 2019-01-24 14:39:07  
Local clock offset: -7.906 ms  
Remote clock offset: -0.714 ms

# Below is generated by plot.py at 2019-01-24 16:36:18  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 56.92 Mbit/s  
95th percentile per-packet one-way delay: 68.935 ms  
Loss rate: 23.85%  
-- Flow 1:  
Average throughput: 56.92 Mbit/s  
95th percentile per-packet one-way delay: 68.935 ms  
Loss rate: 23.85%

Run 1: Report of Verus — Data Link

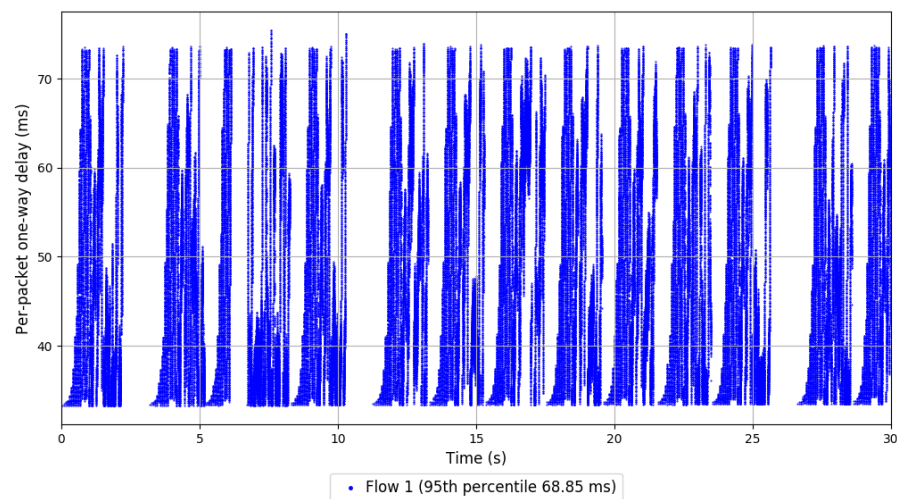
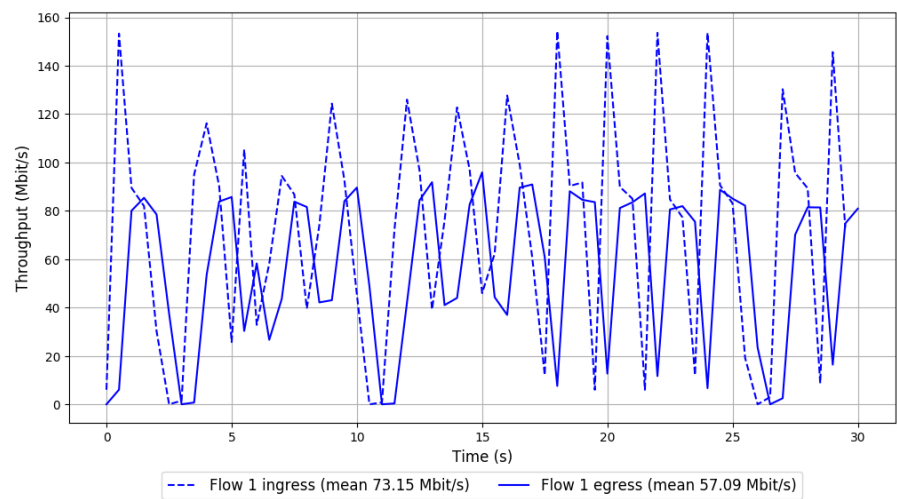


Run 2: Statistics of Verus

Start at: 2019-01-24 15:03:38  
End at: 2019-01-24 15:04:08  
Local clock offset: -6.076 ms  
Remote clock offset: -0.511 ms

# Below is generated by plot.py at 2019-01-24 16:36:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 57.09 Mbit/s  
95th percentile per-packet one-way delay: 68.852 ms  
Loss rate: 21.88%  
-- Flow 1:  
Average throughput: 57.09 Mbit/s  
95th percentile per-packet one-way delay: 68.852 ms  
Loss rate: 21.88%

Run 2: Report of Verus — Data Link



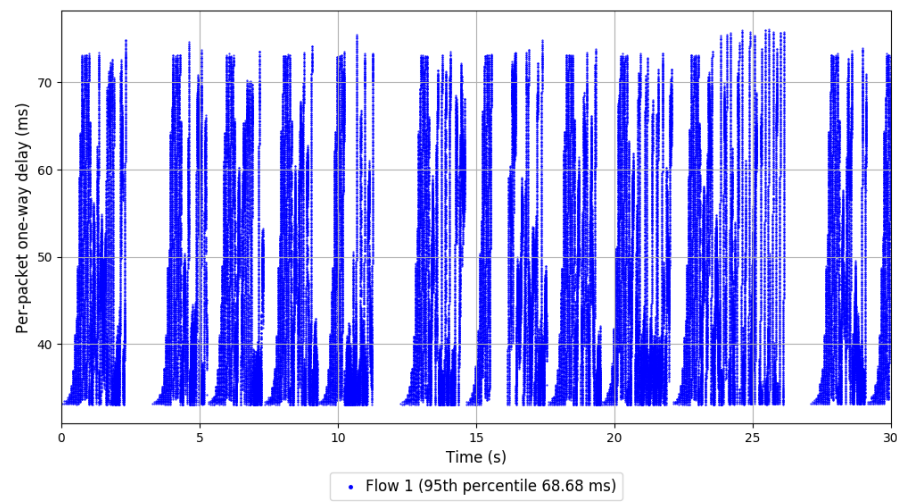
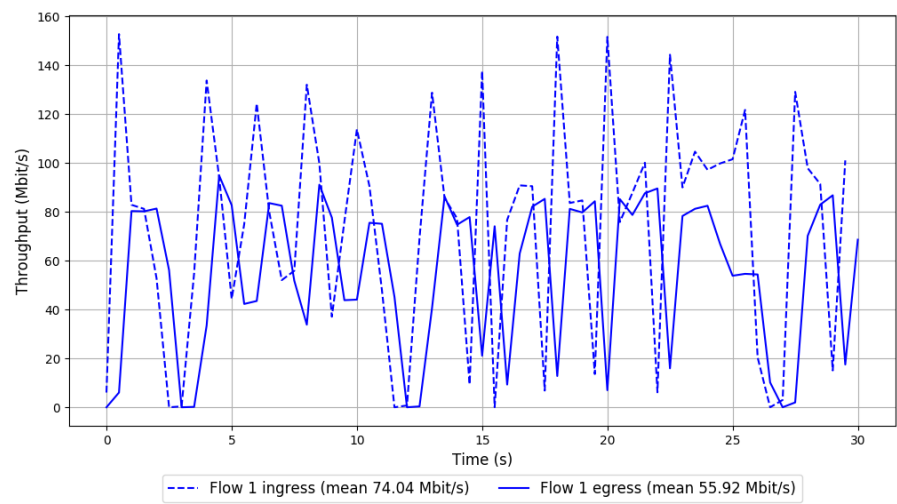


Run 3: Statistics of Verus

Start at: 2019-01-24 15:29:12  
End at: 2019-01-24 15:29:42  
Local clock offset: -4.379 ms  
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2019-01-24 16:36:19  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 55.92 Mbit/s  
95th percentile per-packet one-way delay: 68.681 ms  
Loss rate: 24.39%  
-- Flow 1:  
Average throughput: 55.92 Mbit/s  
95th percentile per-packet one-way delay: 68.681 ms  
Loss rate: 24.39%

Run 3: Report of Verus — Data Link



Run 4: Statistics of Verus

Start at: 2019-01-24 15:54:04

End at: 2019-01-24 15:54:34

Local clock offset: -2.272 ms

Remote clock offset: 0.164 ms

# Below is generated by plot.py at 2019-01-24 16:36:25

# Datalink statistics

-- Total of 1 flow:

Average throughput: 55.03 Mbit/s

95th percentile per-packet one-way delay: 68.519 ms

Loss rate: 22.74%

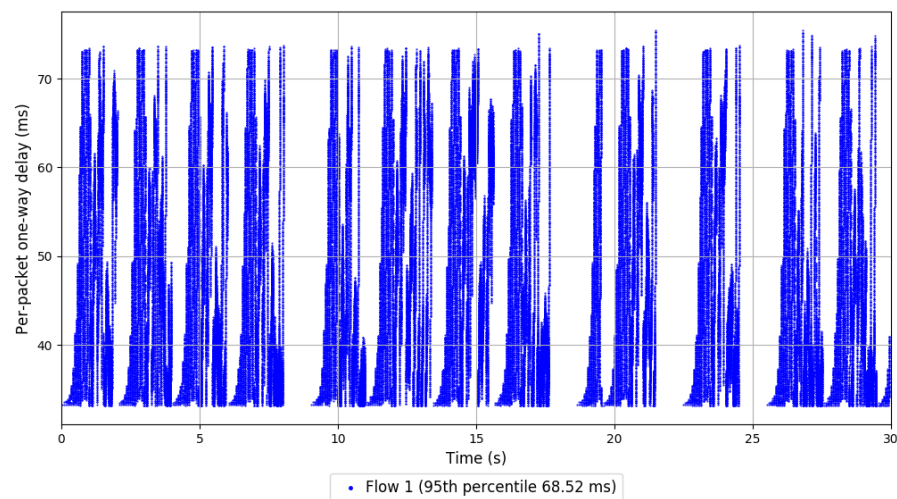
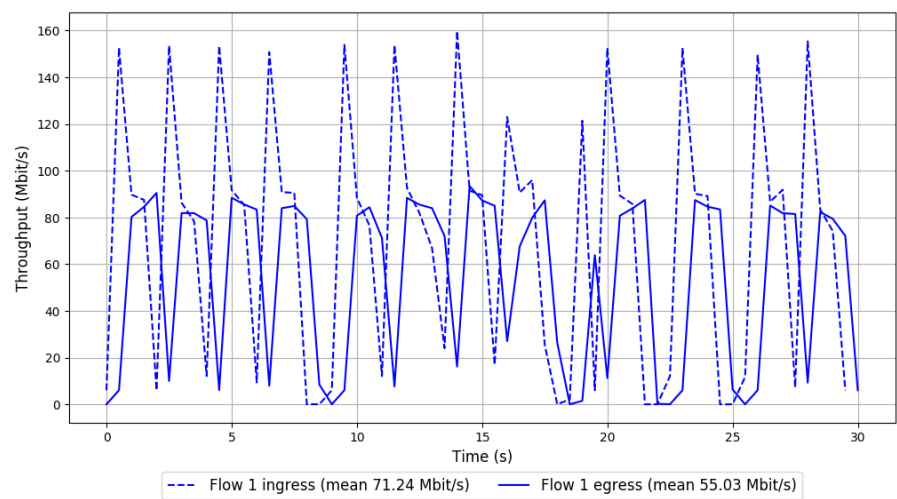
-- Flow 1:

Average throughput: 55.03 Mbit/s

95th percentile per-packet one-way delay: 68.519 ms

Loss rate: 22.74%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-01-24 16:18:45

End at: 2019-01-24 16:19:15

Local clock offset: -1.338 ms

Remote clock offset: 0.211 ms

# Below is generated by plot.py at 2019-01-24 16:36:35

# Datalink statistics

-- Total of 1 flow:

Average throughput: 55.35 Mbit/s

95th percentile per-packet one-way delay: 68.633 ms

Loss rate: 22.51%

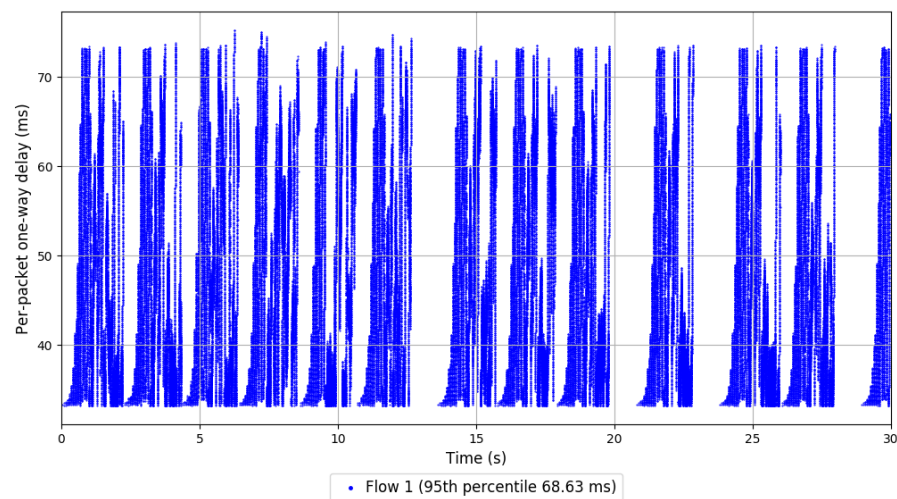
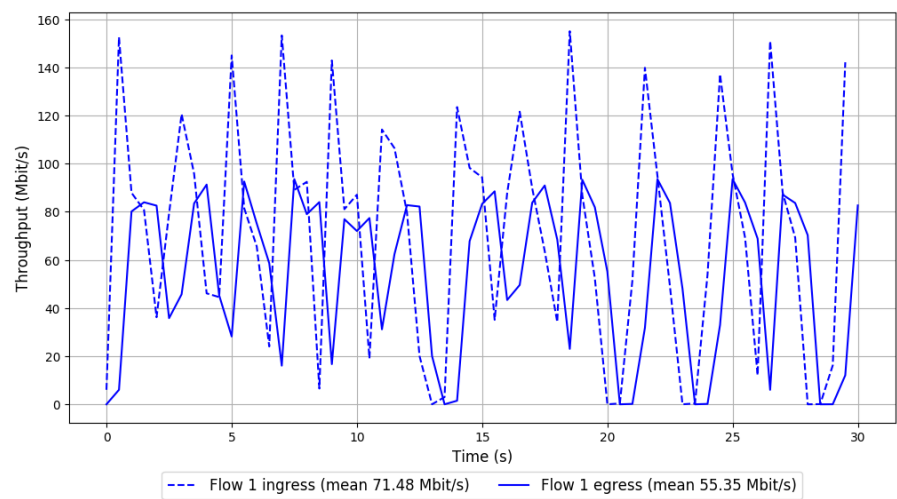
-- Flow 1:

Average throughput: 55.35 Mbit/s

95th percentile per-packet one-way delay: 68.633 ms

Loss rate: 22.51%

Run 5: Report of Verus — Data Link

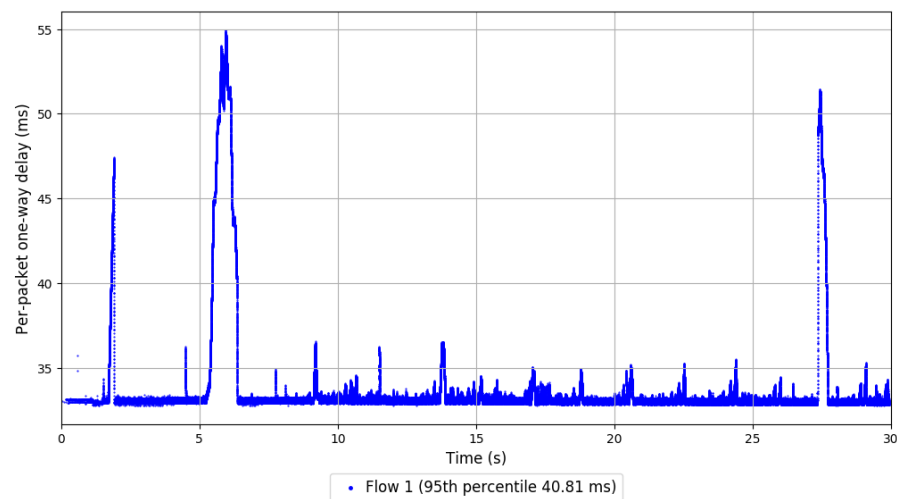
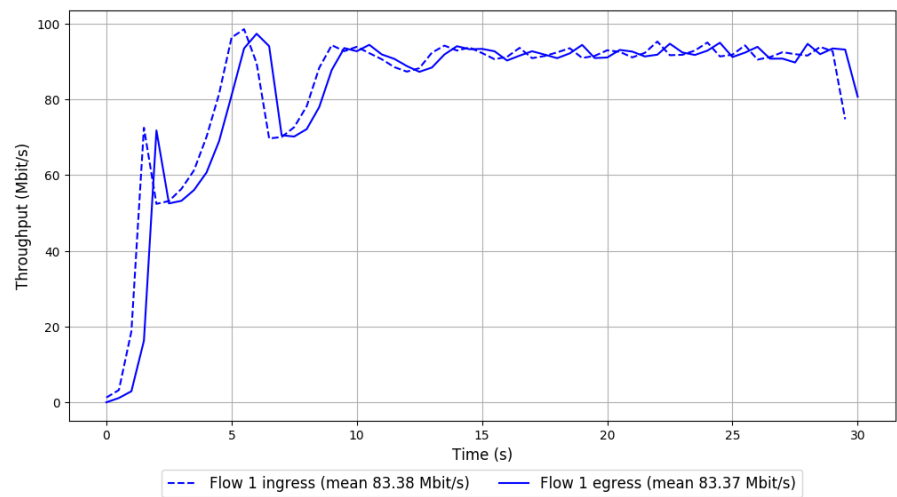


Run 1: Statistics of PCC-Vivace

Start at: 2019-01-24 14:23:26  
End at: 2019-01-24 14:23:56  
Local clock offset: -13.276 ms  
Remote clock offset: -1.07 ms

# Below is generated by plot.py at 2019-01-24 16:36:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 83.37 Mbit/s  
95th percentile per-packet one-way delay: 40.806 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 83.37 Mbit/s  
95th percentile per-packet one-way delay: 40.806 ms  
Loss rate: 0.01%

Run 1: Report of PCC-Vivace — Data Link



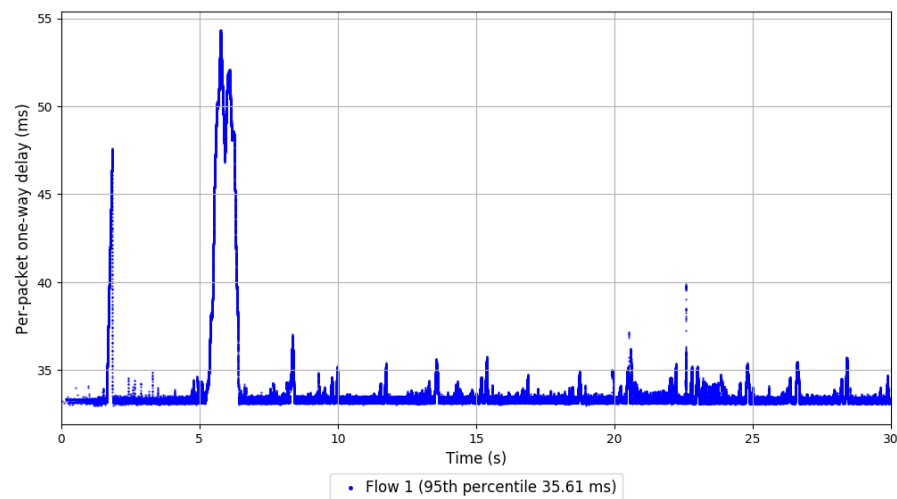
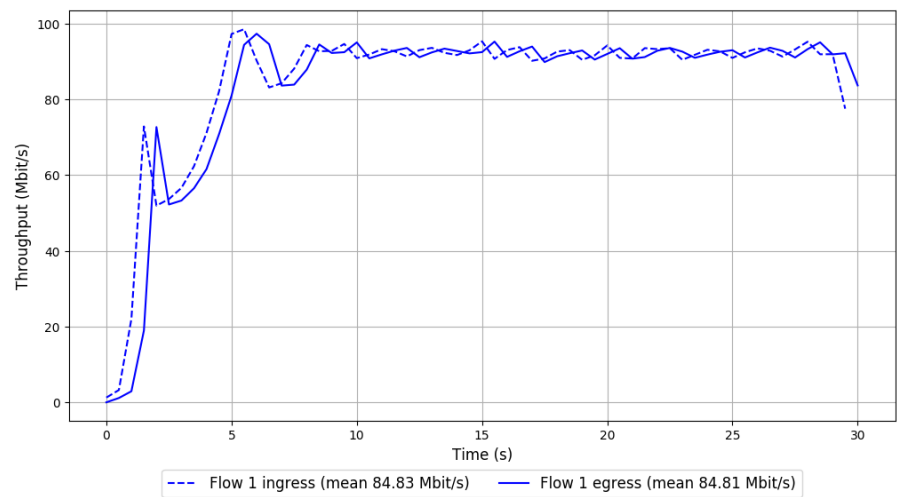


Run 2: Statistics of PCC-Vivace

Start at: 2019-01-24 14:48:08  
End at: 2019-01-24 14:48:38  
Local clock offset: -6.698 ms  
Remote clock offset: -0.555 ms

# Below is generated by plot.py at 2019-01-24 16:36:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.81 Mbit/s  
95th percentile per-packet one-way delay: 35.607 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 84.81 Mbit/s  
95th percentile per-packet one-way delay: 35.607 ms  
Loss rate: 0.02%

Run 2: Report of PCC-Vivace — Data Link

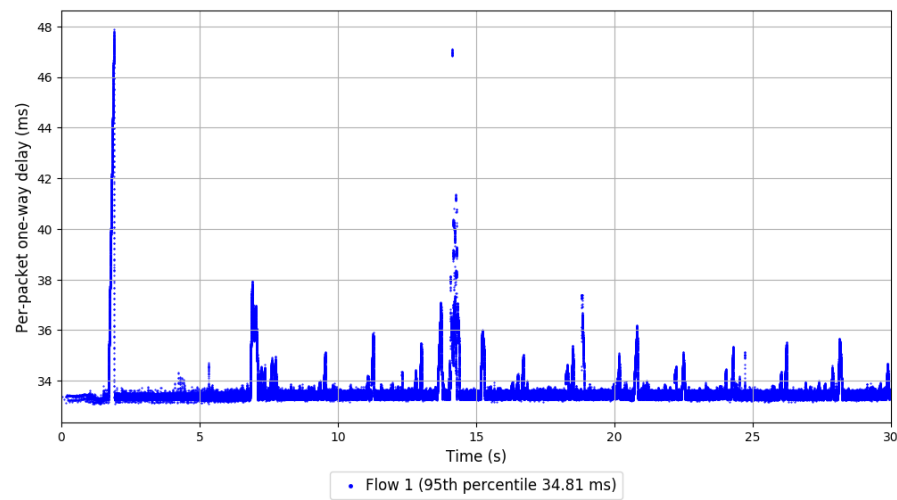
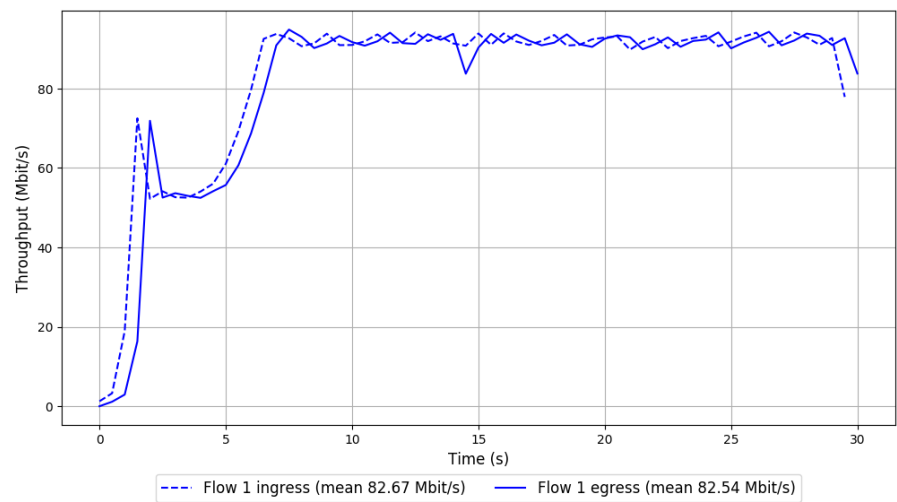


Run 3: Statistics of PCC-Vivace

Start at: 2019-01-24 15:13:31  
End at: 2019-01-24 15:14:01  
Local clock offset: -3.604 ms  
Remote clock offset: -0.161 ms

# Below is generated by plot.py at 2019-01-24 16:36:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.54 Mbit/s  
95th percentile per-packet one-way delay: 34.808 ms  
Loss rate: 0.16%  
-- Flow 1:  
Average throughput: 82.54 Mbit/s  
95th percentile per-packet one-way delay: 34.808 ms  
Loss rate: 0.16%

Run 3: Report of PCC-Vivace — Data Link

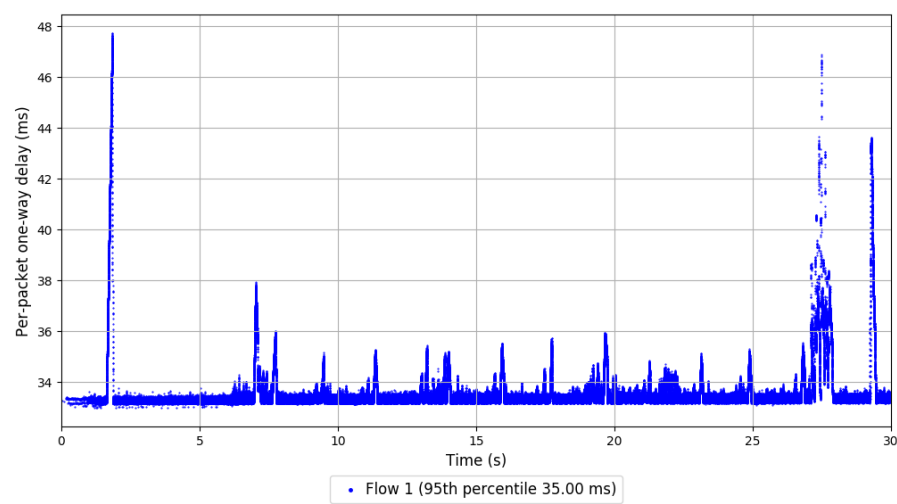
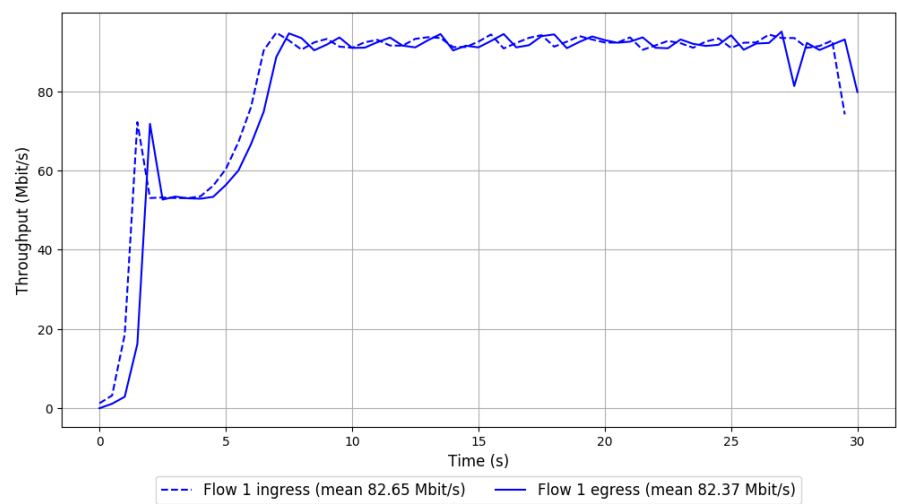


Run 4: Statistics of PCC-Vivace

Start at: 2019-01-24 15:38:38  
End at: 2019-01-24 15:39:08  
Local clock offset: -2.245 ms  
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2019-01-24 16:37:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 82.37 Mbit/s  
95th percentile per-packet one-way delay: 35.004 ms  
Loss rate: 0.34%  
-- Flow 1:  
Average throughput: 82.37 Mbit/s  
95th percentile per-packet one-way delay: 35.004 ms  
Loss rate: 0.34%

Run 4: Report of PCC-Vivace — Data Link



Run 5: Statistics of PCC-Vivace

Start at: 2019-01-24 16:03:20

End at: 2019-01-24 16:03:50

Local clock offset: -1.98 ms

Remote clock offset: 0.183 ms

# Below is generated by plot.py at 2019-01-24 16:37:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.67 Mbit/s

95th percentile per-packet one-way delay: 35.194 ms

Loss rate: 0.01%

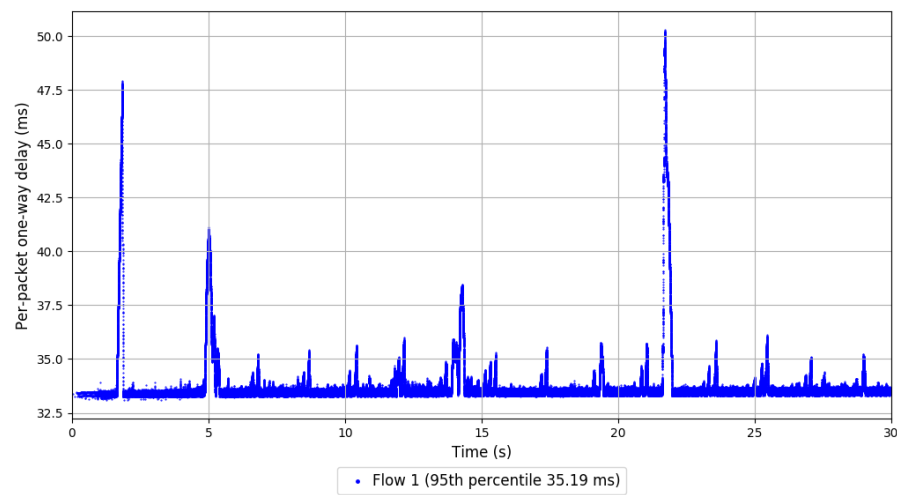
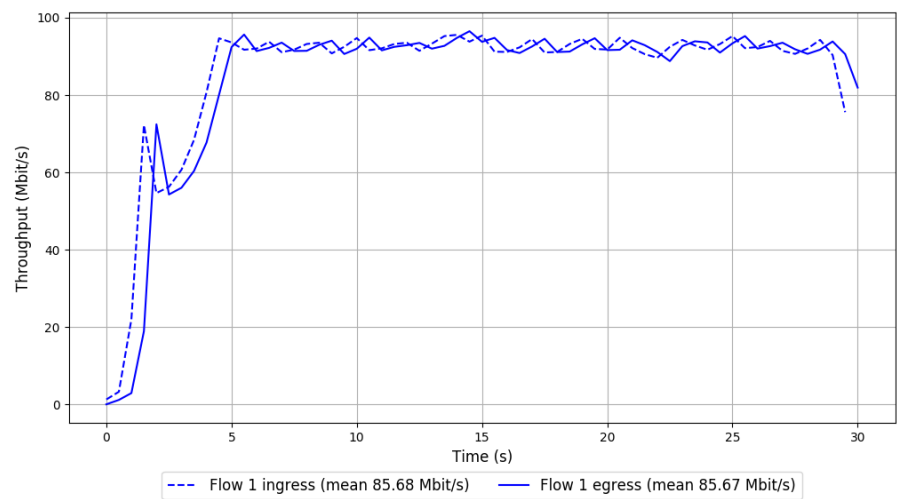
-- Flow 1:

Average throughput: 85.67 Mbit/s

95th percentile per-packet one-way delay: 35.194 ms

Loss rate: 0.01%

Run 5: Report of PCC-Vivace — Data Link



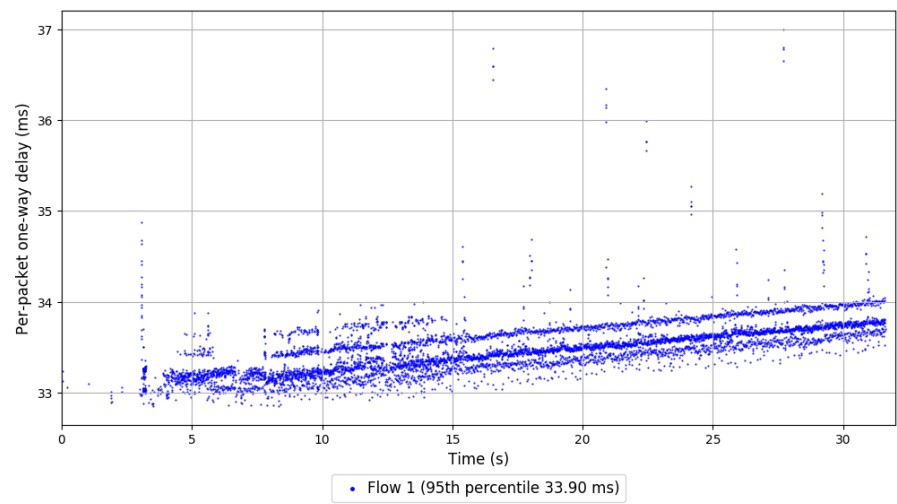
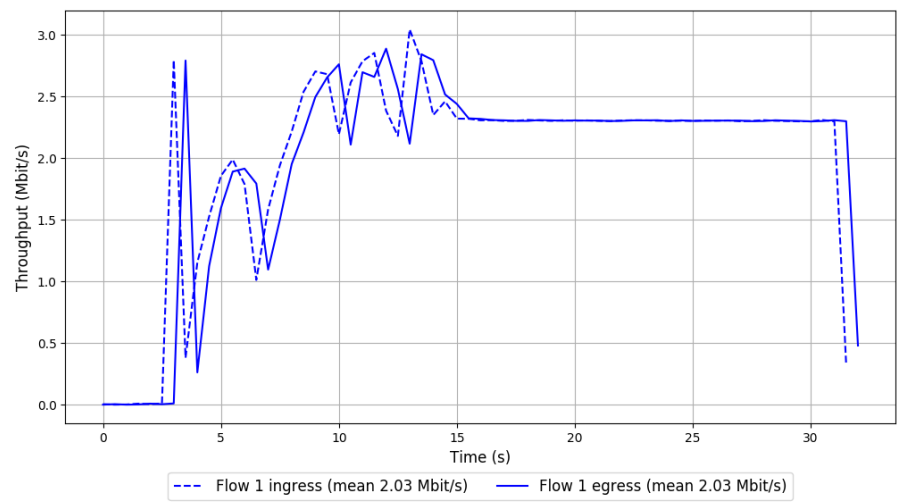


```
Run 1: Statistics of WebRTC media

Start at: 2019-01-24 14:29:24
End at: 2019-01-24 14:29:54
Local clock offset: -15.303 ms
Remote clock offset: -0.777 ms

# Below is generated by plot.py at 2019-01-24 16:37:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 33.901 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 33.901 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link



Run 2: Statistics of WebRTC media

Start at: 2019-01-24 14:53:58

End at: 2019-01-24 14:54:28

Local clock offset: -7.435 ms

Remote clock offset: -0.68 ms

# Below is generated by plot.py at 2019-01-24 16:37:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 33.710 ms

Loss rate: 0.00%

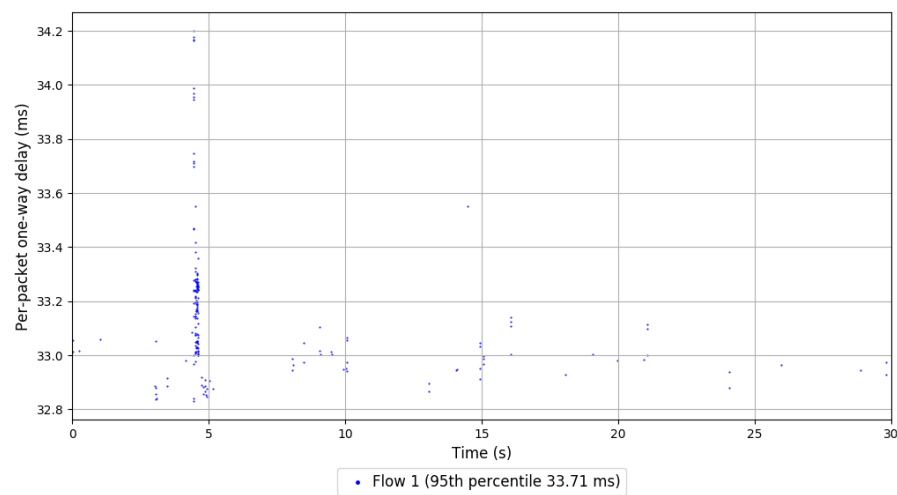
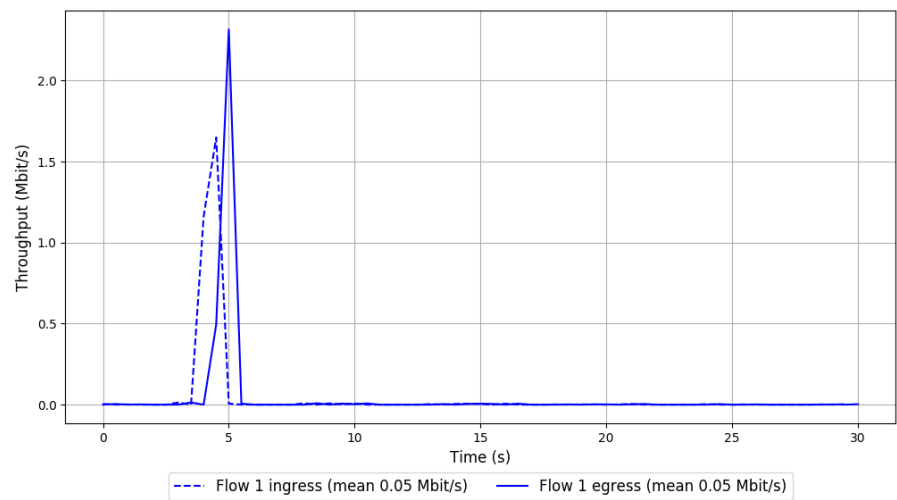
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 33.710 ms

Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

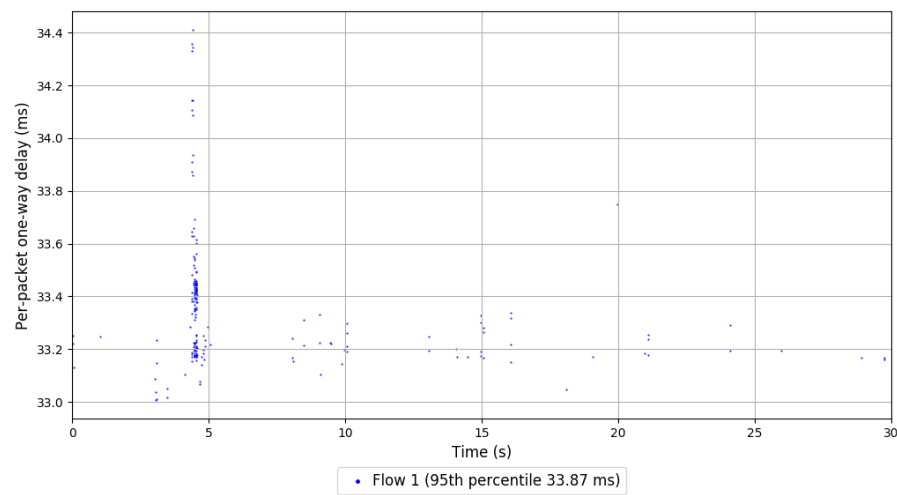
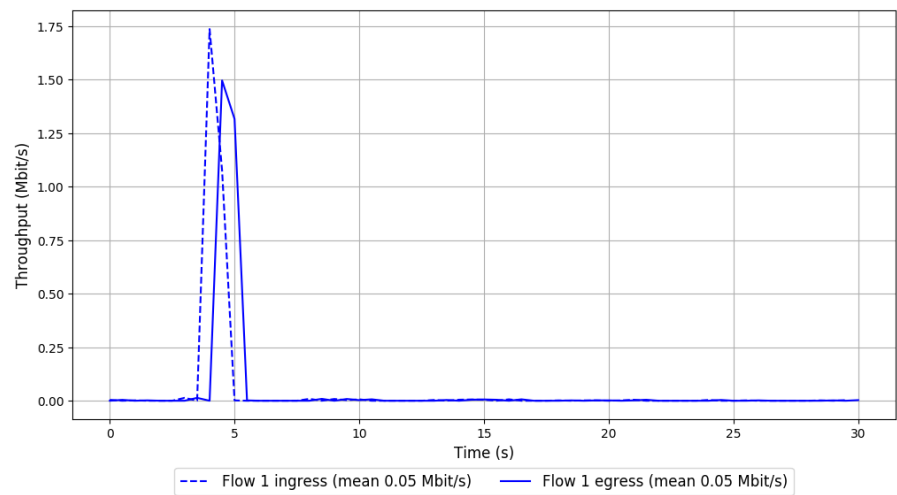


Run 3: Statistics of WebRTC media

Start at: 2019-01-24 15:19:33  
End at: 2019-01-24 15:20:03  
Local clock offset: -3.561 ms  
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2019-01-24 16:37:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 33.873 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 33.873 ms  
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

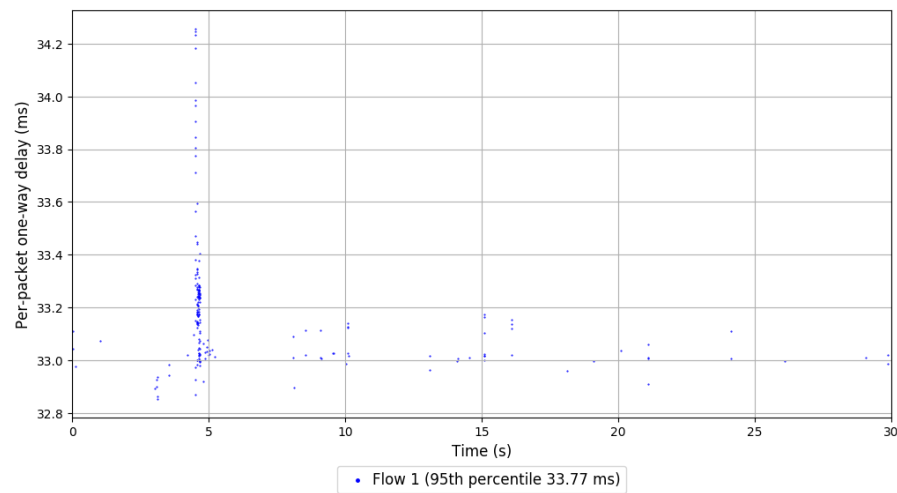
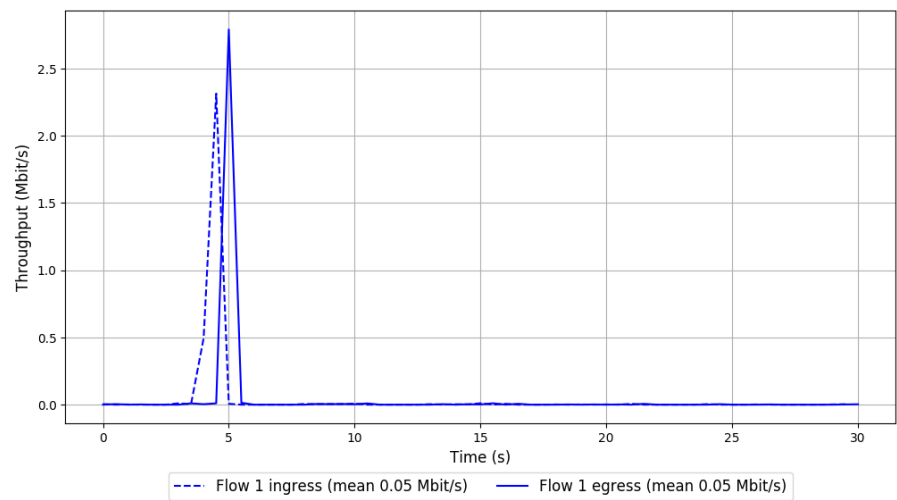


Run 4: Statistics of WebRTC media

Start at: 2019-01-24 15:44:40  
End at: 2019-01-24 15:45:10  
Local clock offset: -1.924 ms  
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2019-01-24 16:37:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 33.774 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 33.774 ms  
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link





Run 5: Statistics of WebRTC media

Start at: 2019-01-24 16:09:12

End at: 2019-01-24 16:09:42

Local clock offset: -1.406 ms

Remote clock offset: 0.268 ms

# Below is generated by plot.py at 2019-01-24 16:37:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 33.947 ms

Loss rate: 0.00%

-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 33.947 ms

Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

