

## Pantheon Report

Generated at 2019-01-18 21:11:14 (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:

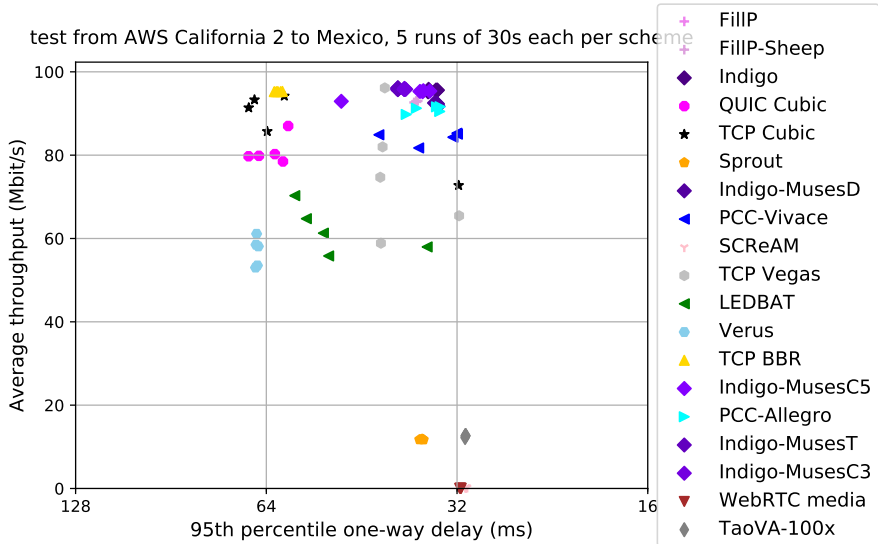
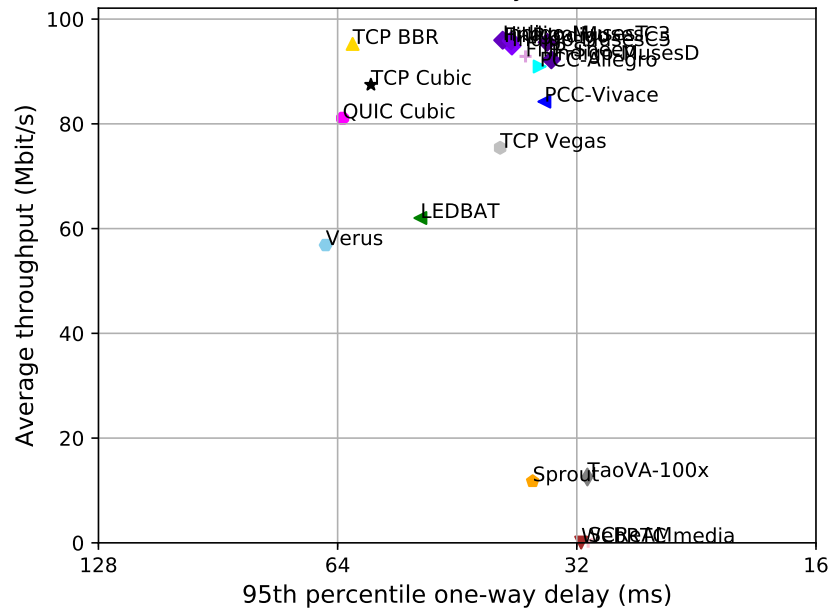
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

### Git summary:

```
branch: muses @ c80a283586bf7b0cc1fe08c69c8f60d56498f81c
third_party/fillp @ d6da1459332fcee56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fcd45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecd90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ c3eee875824760ec5b2fd207fefe166e1afe2170
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	95.26	61.28	2.29
Copa	0	N/A	N/A	N/A
TCP Cubic	5	87.46	58.12	0.56
FillP	5	95.62	39.52	0.69
FillP-Sheep	5	92.87	37.13	0.64
Indigo	5	95.56	34.87	0.07
Indigo-MusesC3	5	95.85	38.71	0.01
Indigo-MusesC5	5	94.86	38.62	0.03
Indigo-MusesD	5	92.23	34.45	0.01
Indigo-MusesT	5	95.97	39.67	0.45
LEDBAT	5	62.02	50.36	0.02
PCC-Allegro	5	90.95	35.63	0.70
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	81.06	63.08	1.53
SCReAM	5	0.21	30.96	0.00
Sprout	5	11.77	36.37	0.07
TaoVA-100x	5	12.57	31.03	71.88
TCP Vegas	5	75.43	39.96	0.46
Verus	5	56.86	66.25	26.79
PCC-Vivace	5	84.24	35.16	0.04
WebRTC media	5	0.05	31.60	0.00

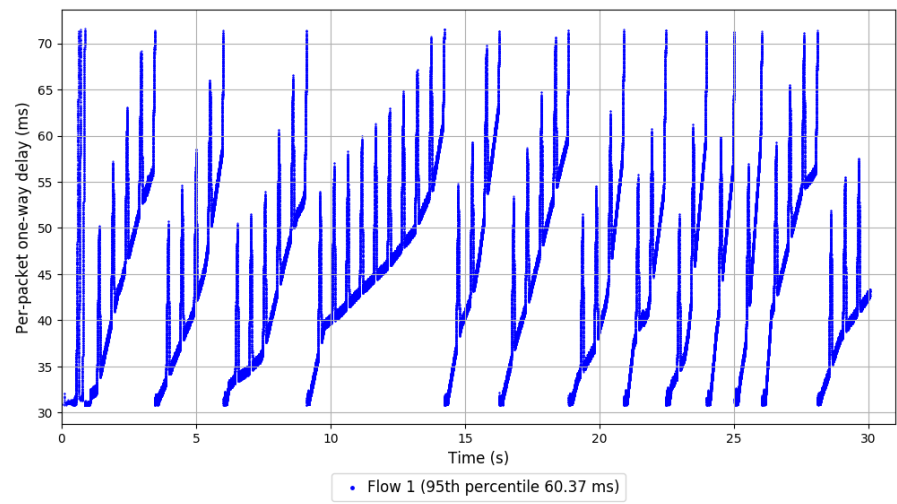
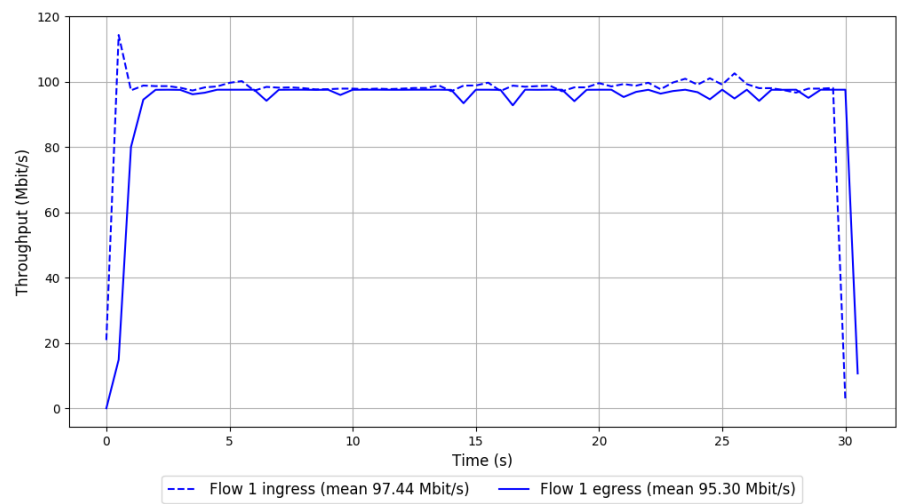


Run 1: Statistics of TCP BBR

Start at: 2019-01-18 19:06:15  
End at: 2019-01-18 19:06:45  
Local clock offset: -0.238 ms  
Remote clock offset: -2.308 ms

# Below is generated by plot.py at 2019-01-18 21:02:05  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.30 Mbit/s  
95th percentile per-packet one-way delay: 60.370 ms  
Loss rate: 2.16%  
-- Flow 1:  
Average throughput: 95.30 Mbit/s  
95th percentile per-packet one-way delay: 60.370 ms  
Loss rate: 2.16%

Run 1: Report of TCP BBR — Data Link



Run 2: Statistics of TCP BBR

Start at: 2019-01-18 19:32:02

End at: 2019-01-18 19:32:32

Local clock offset: -0.35 ms

Remote clock offset: -1.768 ms

# Below is generated by plot.py at 2019-01-18 21:02:06

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.25 Mbit/s

95th percentile per-packet one-way delay: 62.169 ms

Loss rate: 2.28%

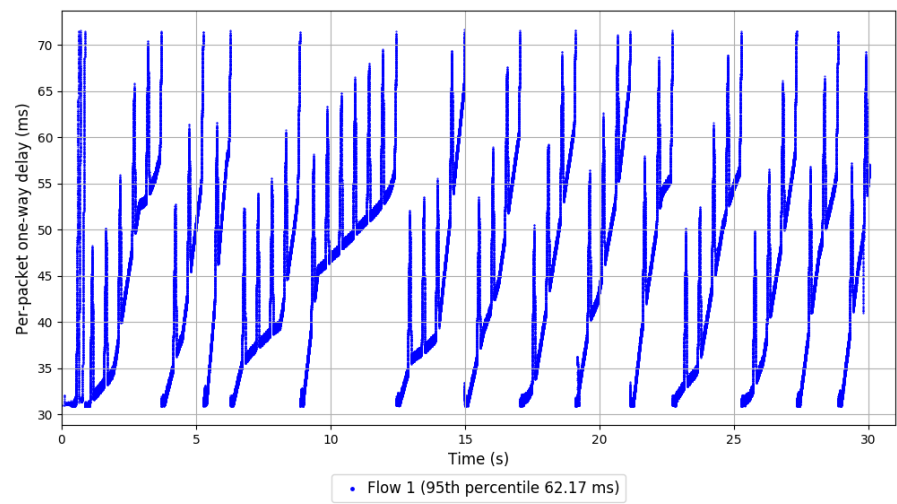
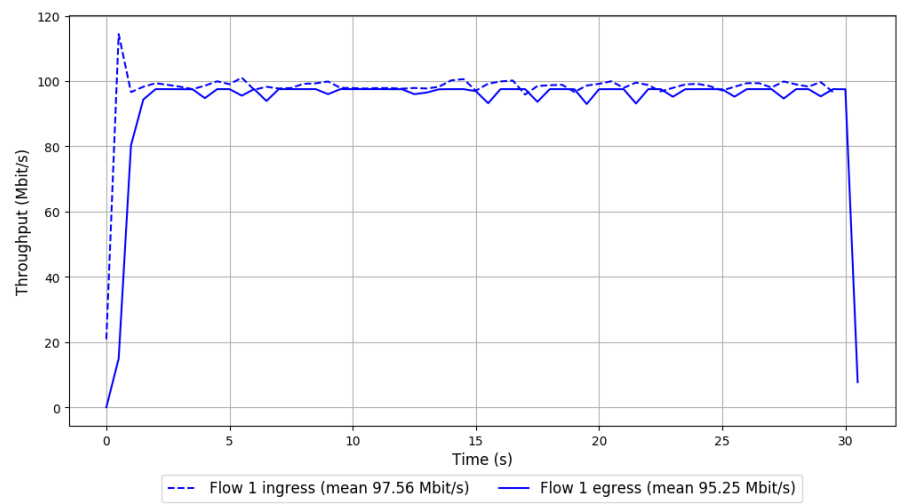
-- Flow 1:

Average throughput: 95.25 Mbit/s

95th percentile per-packet one-way delay: 62.169 ms

Loss rate: 2.28%

Run 2: Report of TCP BBR — Data Link

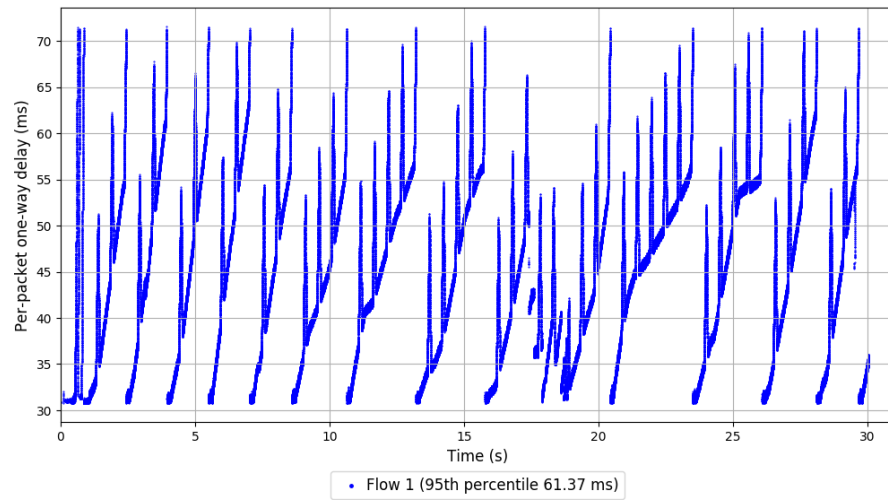
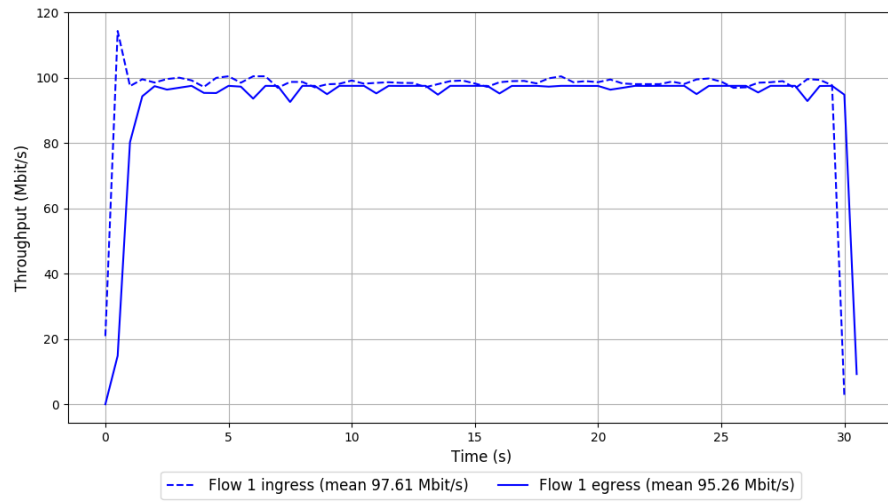


Run 3: Statistics of TCP BBR

Start at: 2019-01-18 19:58:34  
End at: 2019-01-18 19:59:04  
Local clock offset: -0.021 ms  
Remote clock offset: -1.562 ms

# Below is generated by plot.py at 2019-01-18 21:02:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.26 Mbit/s  
95th percentile per-packet one-way delay: 61.370 ms  
Loss rate: 2.39%  
-- Flow 1:  
Average throughput: 95.26 Mbit/s  
95th percentile per-packet one-way delay: 61.370 ms  
Loss rate: 2.39%

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

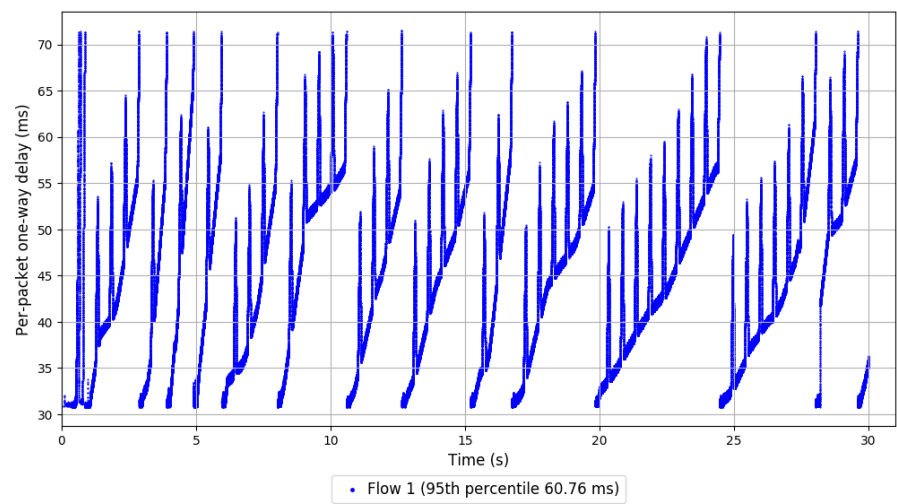
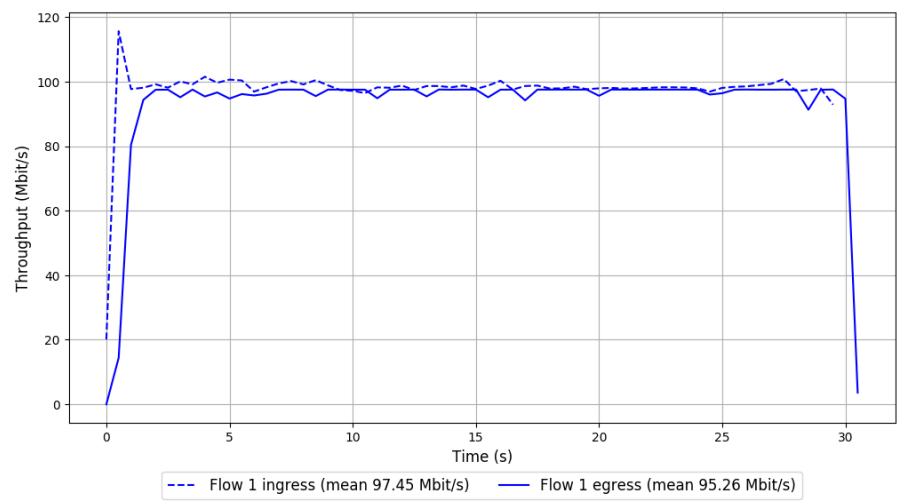


Run 4: Statistics of TCP BBR

Start at: 2019-01-18 20:24:30  
End at: 2019-01-18 20:25:00  
Local clock offset: -0.057 ms  
Remote clock offset: -1.546 ms

# Below is generated by plot.py at 2019-01-18 21:02:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.26 Mbit/s  
95th percentile per-packet one-way delay: 60.758 ms  
Loss rate: 2.23%  
-- Flow 1:  
Average throughput: 95.26 Mbit/s  
95th percentile per-packet one-way delay: 60.758 ms  
Loss rate: 2.23%

Run 4: Report of TCP BBR — Data Link



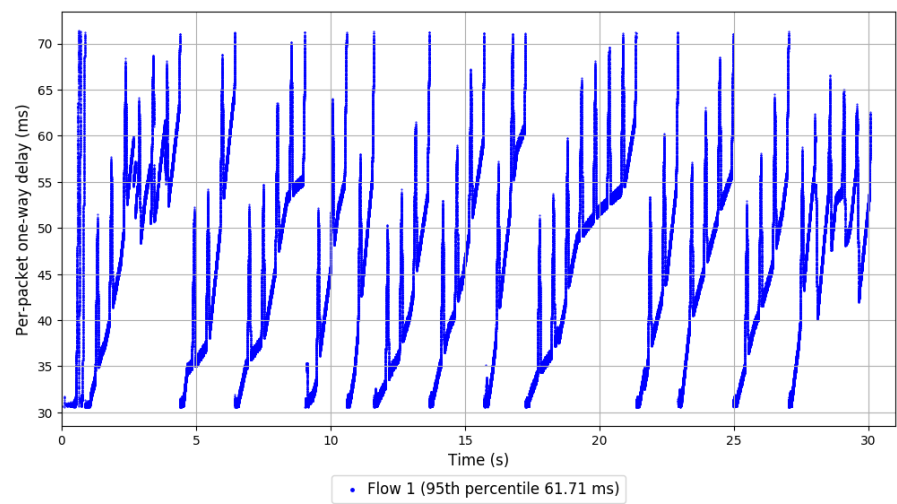
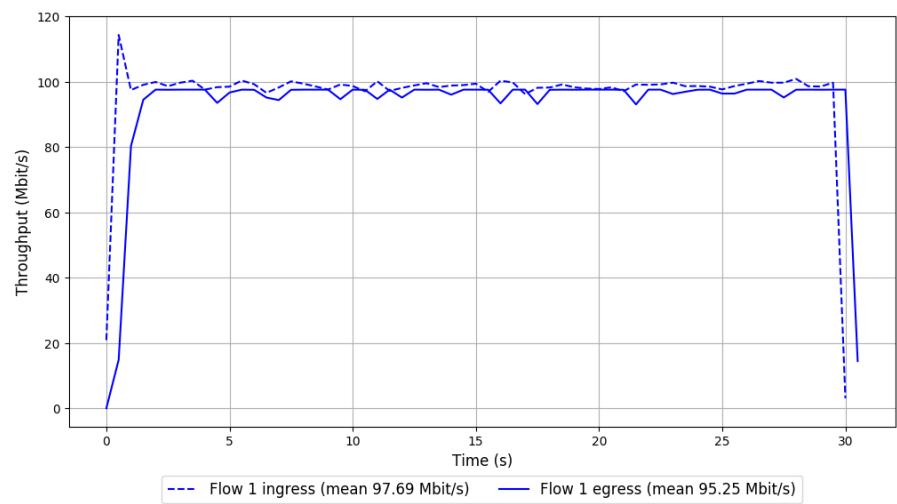


Run 5: Statistics of TCP BBR

Start at: 2019-01-18 20:50:55  
End at: 2019-01-18 20:51:25  
Local clock offset: -0.261 ms  
Remote clock offset: -2.094 ms

# Below is generated by plot.py at 2019-01-18 21:02:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.25 Mbit/s  
95th percentile per-packet one-way delay: 61.712 ms  
Loss rate: 2.40%  
-- Flow 1:  
Average throughput: 95.25 Mbit/s  
95th percentile per-packet one-way delay: 61.712 ms  
Loss rate: 2.40%

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

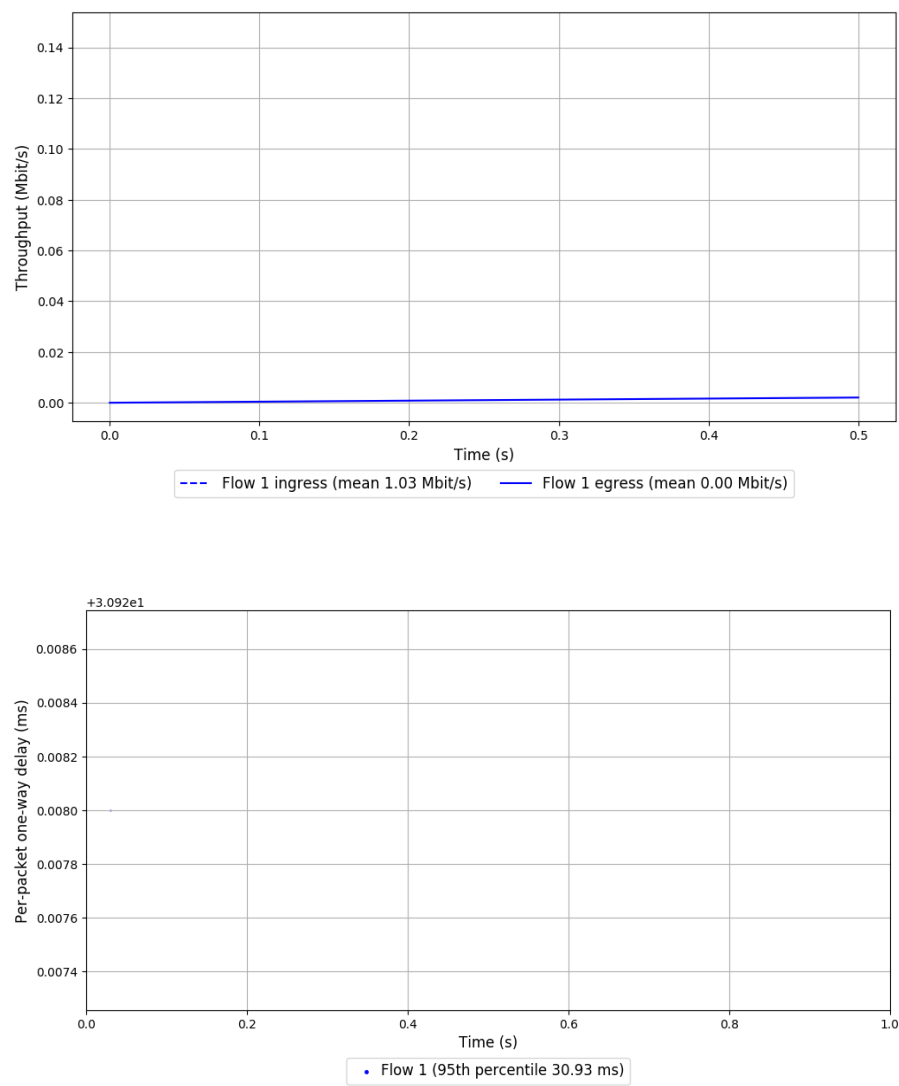
Start at: 2019-01-18 18:51:53

End at: 2019-01-18 18:52:23

Local clock offset: 0.051 ms

Remote clock offset: -2.497 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

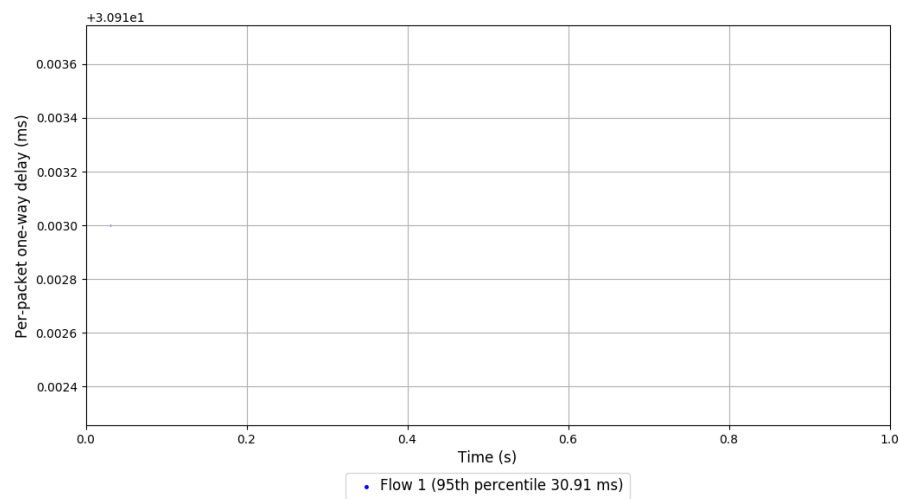
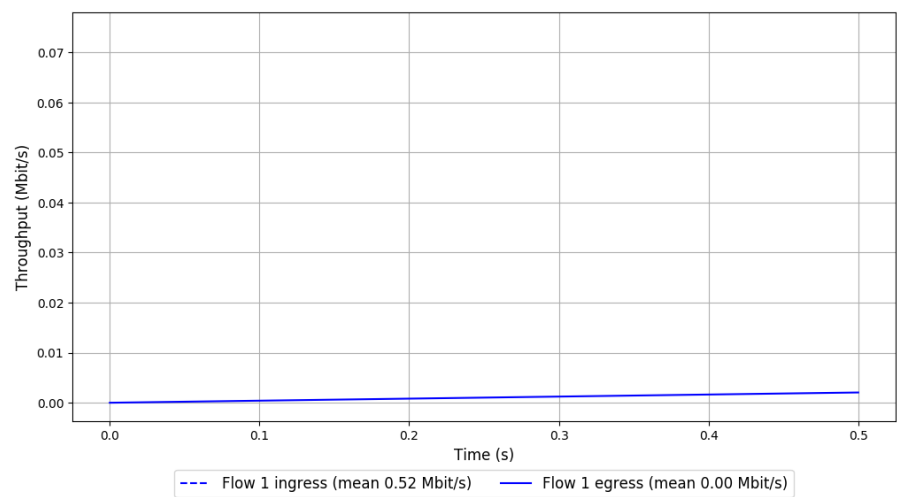
Start at: 2019-01-18 19:17:30

End at: 2019-01-18 19:18:00

Local clock offset: -0.206 ms

Remote clock offset: -1.978 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

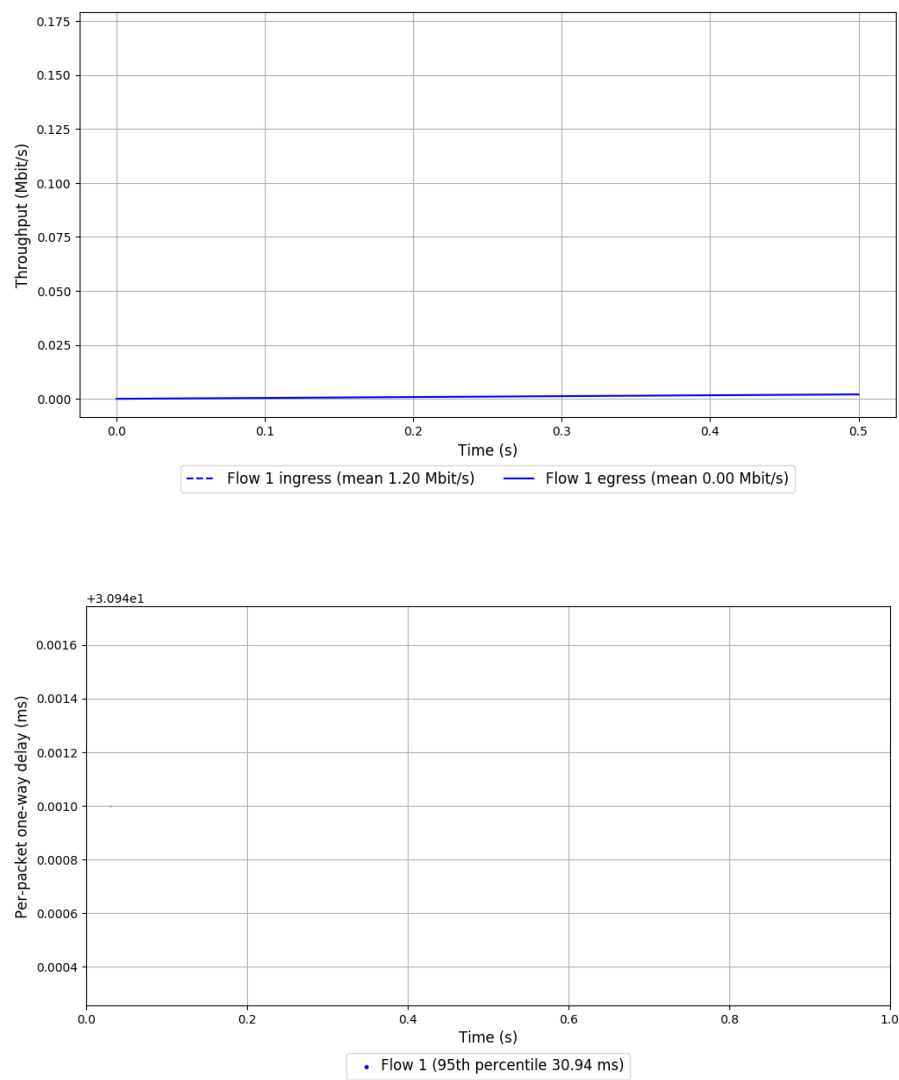
Start at: 2019-01-18 19:43:40

End at: 2019-01-18 19:44:10

Local clock offset: -0.296 ms

Remote clock offset: -1.617 ms

Run 3: Report of Copa — Data Link





Run 4: Statistics of Copa

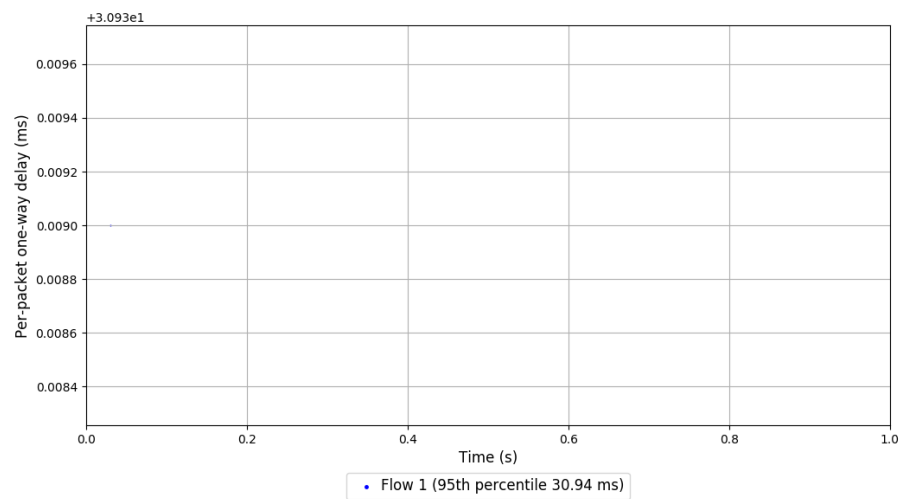
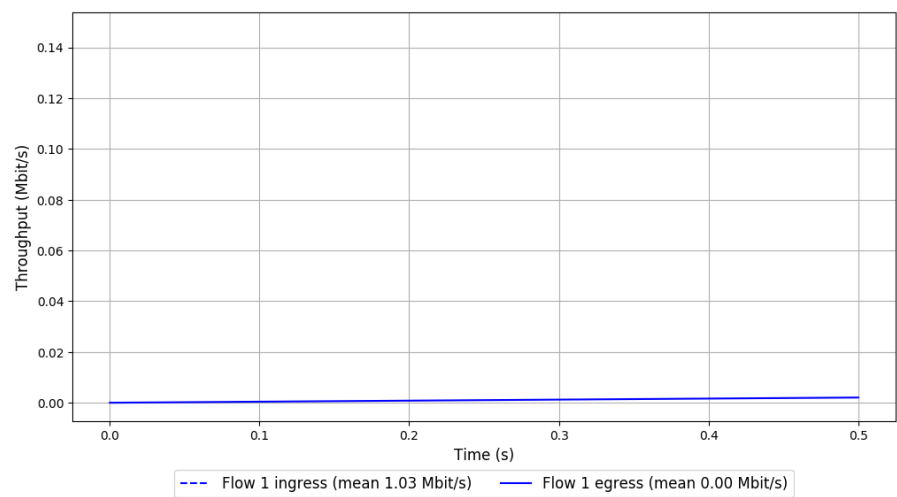
Start at: 2019-01-18 20:09:38

End at: 2019-01-18 20:10:08

Local clock offset: 0.151 ms

Remote clock offset: -1.396 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

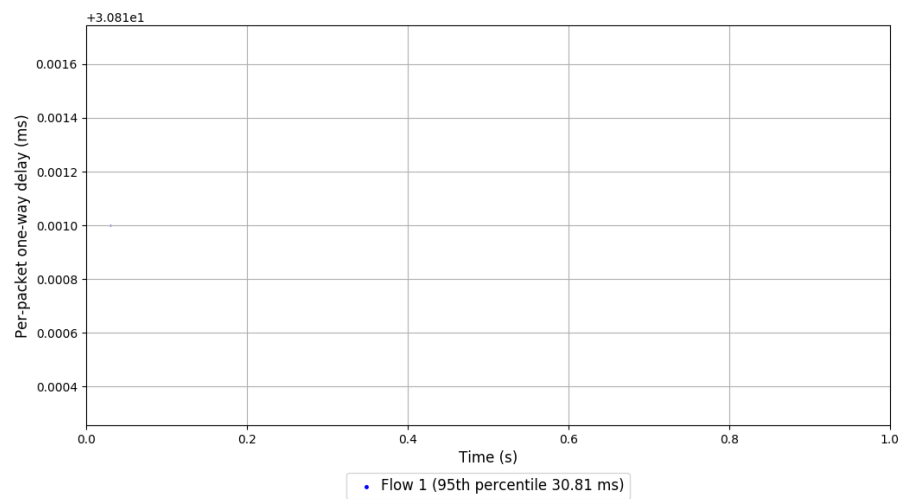
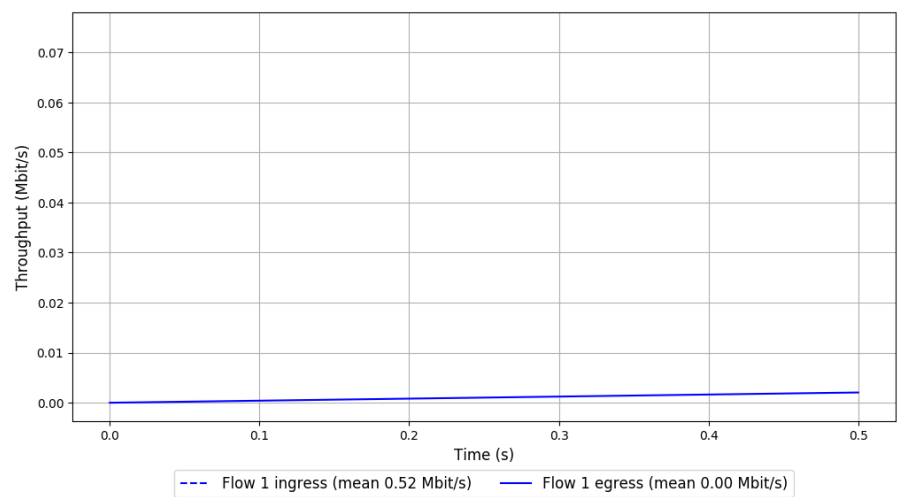
Start at: 2019-01-18 20:36:03

End at: 2019-01-18 20:36:33

Local clock offset: -0.181 ms

Remote clock offset: -1.782 ms

Run 5: Report of Copa — Data Link

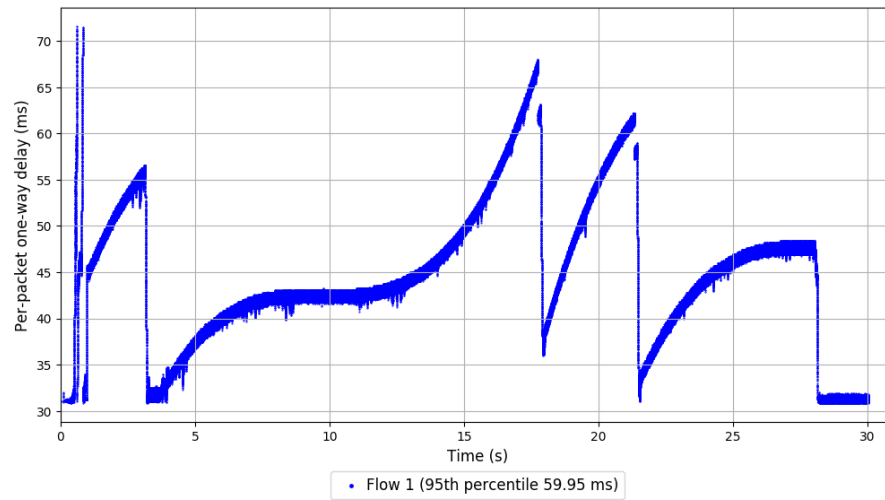
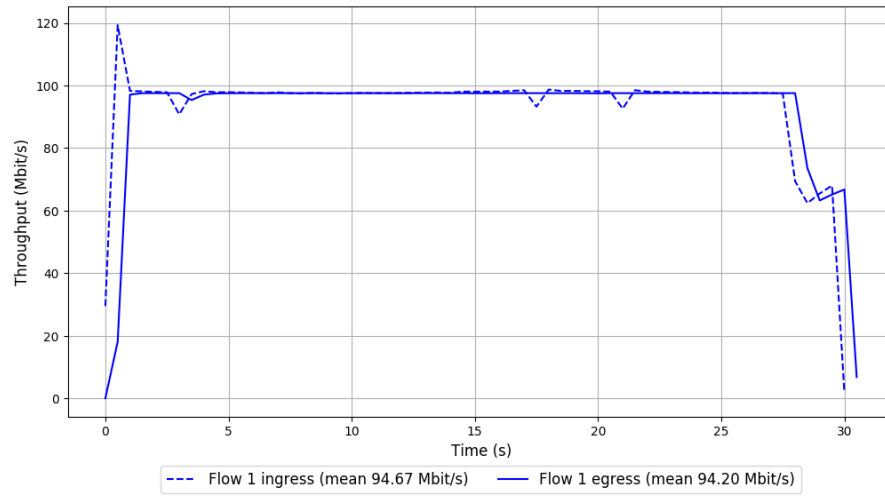


Run 1: Statistics of TCP Cubic

Start at: 2019-01-18 19:08:53  
End at: 2019-01-18 19:09:23  
Local clock offset: -0.234 ms  
Remote clock offset: -2.189 ms

# Below is generated by plot.py at 2019-01-18 21:02:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 94.20 Mbit/s  
95th percentile per-packet one-way delay: 59.953 ms  
Loss rate: 0.49%  
-- Flow 1:  
Average throughput: 94.20 Mbit/s  
95th percentile per-packet one-way delay: 59.953 ms  
Loss rate: 0.49%

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

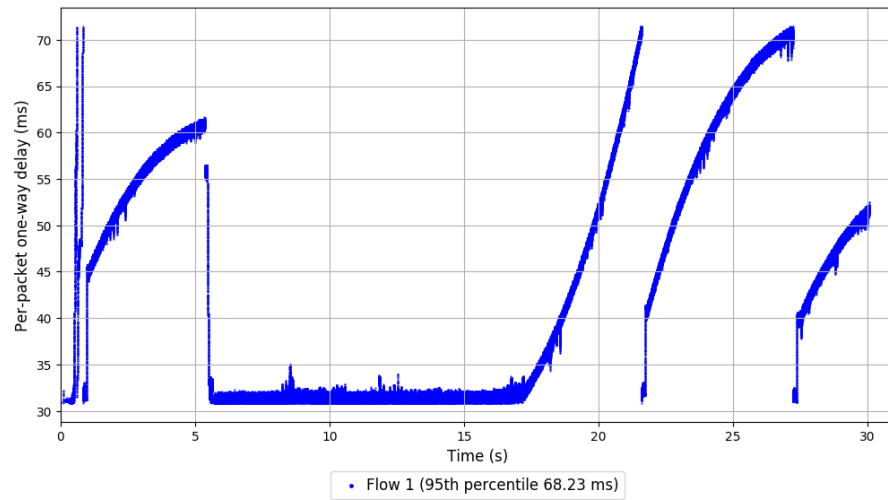
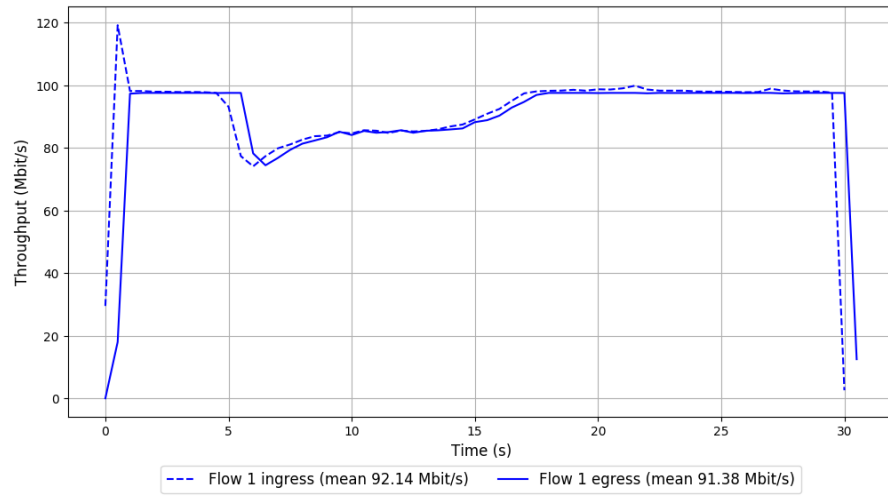


Run 2: Statistics of TCP Cubic

Start at: 2019-01-18 19:34:50  
End at: 2019-01-18 19:35:20  
Local clock offset: -0.331 ms  
Remote clock offset: -1.701 ms

# Below is generated by plot.py at 2019-01-18 21:02:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.38 Mbit/s  
95th percentile per-packet one-way delay: 68.226 ms  
Loss rate: 0.76%  
-- Flow 1:  
Average throughput: 91.38 Mbit/s  
95th percentile per-packet one-way delay: 68.226 ms  
Loss rate: 0.76%

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



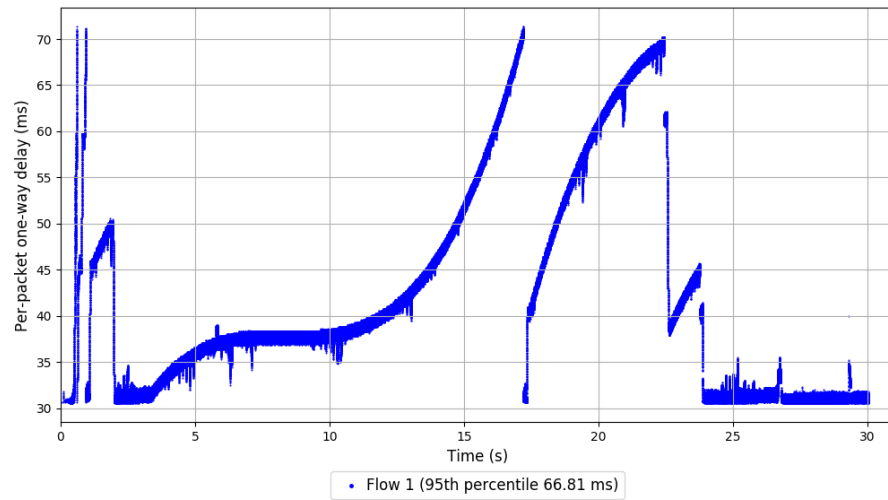
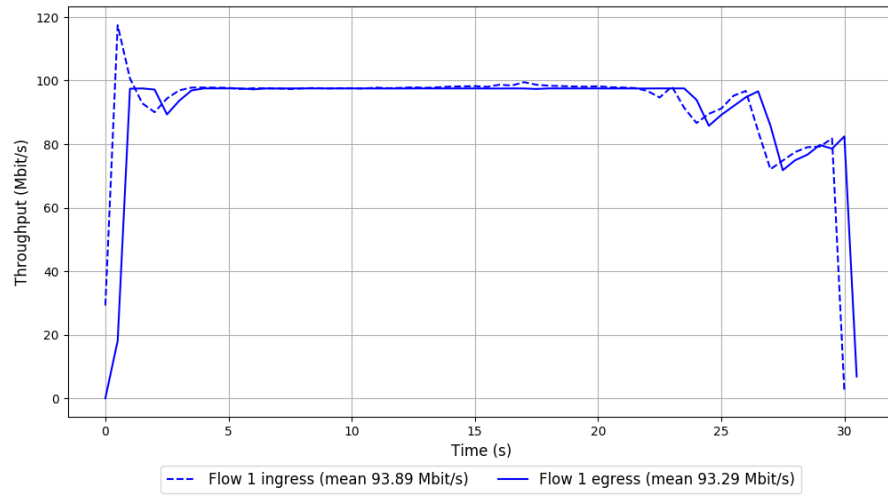


Run 3: Statistics of TCP Cubic

Start at: 2019-01-18 20:00:57  
End at: 2019-01-18 20:01:27  
Local clock offset: 0.049 ms  
Remote clock offset: -1.748 ms

# Below is generated by plot.py at 2019-01-18 21:02:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.29 Mbit/s  
95th percentile per-packet one-way delay: 66.809 ms  
Loss rate: 0.63%  
-- Flow 1:  
Average throughput: 93.29 Mbit/s  
95th percentile per-packet one-way delay: 66.809 ms  
Loss rate: 0.63%

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

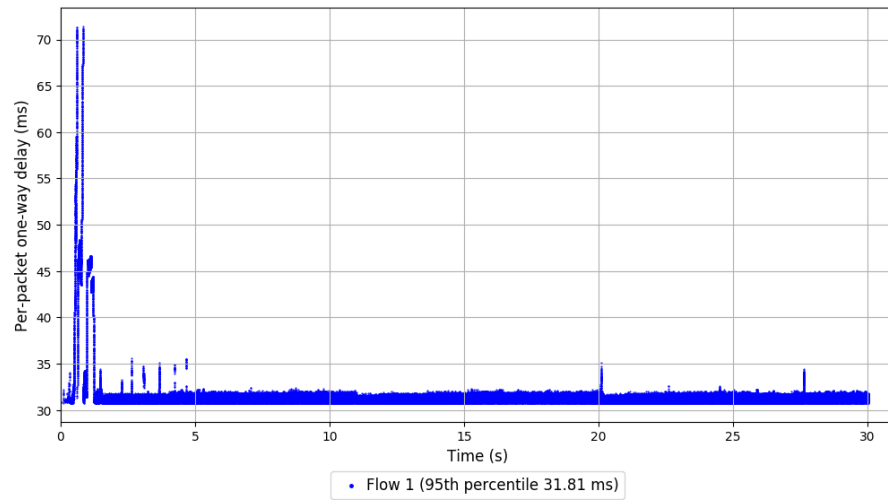
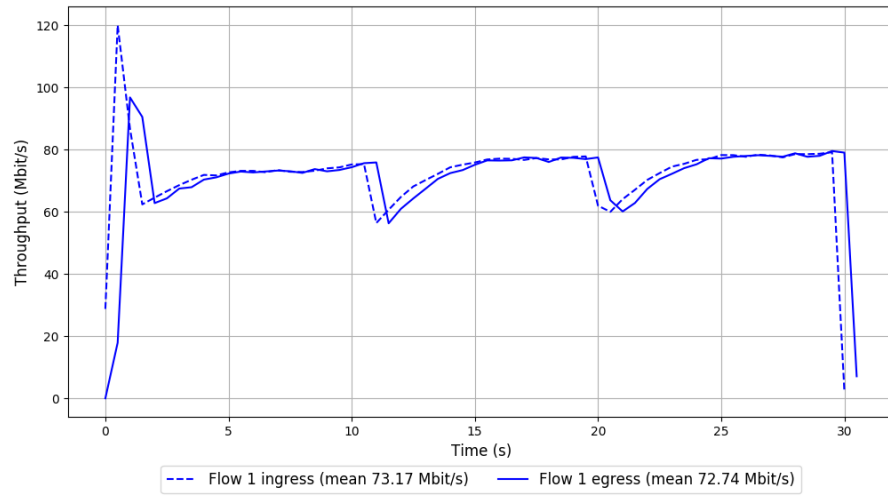


Run 4: Statistics of TCP Cubic

Start at: 2019-01-18 20:27:00  
End at: 2019-01-18 20:27:30  
Local clock offset: -0.1 ms  
Remote clock offset: -1.577 ms

# Below is generated by plot.py at 2019-01-18 21:02:44  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 72.74 Mbit/s  
95th percentile per-packet one-way delay: 31.812 ms  
Loss rate: 0.59%  
-- Flow 1:  
Average throughput: 72.74 Mbit/s  
95th percentile per-packet one-way delay: 31.812 ms  
Loss rate: 0.59%

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

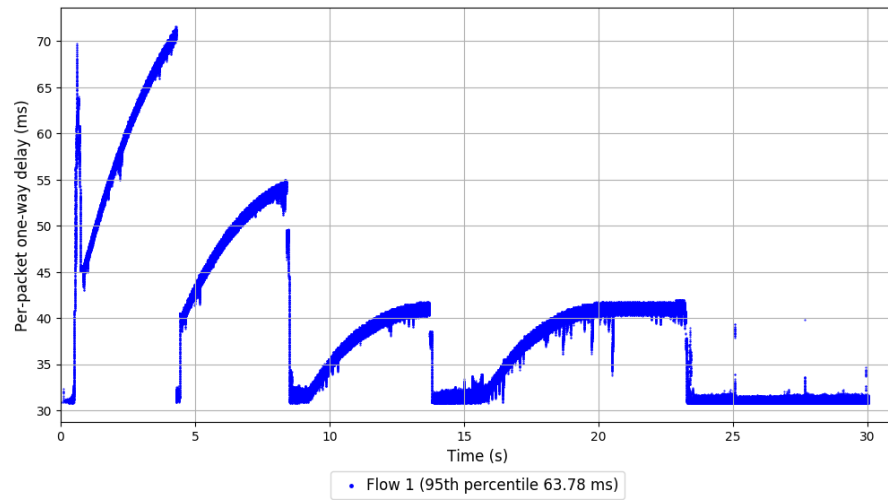
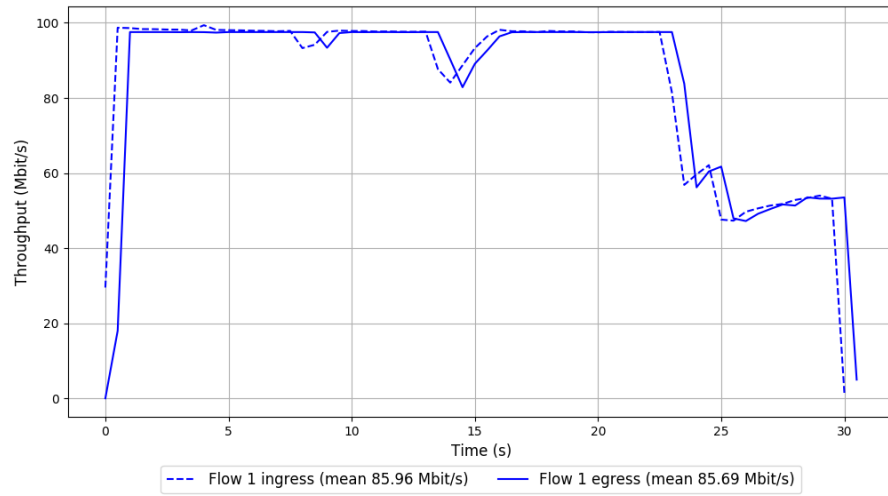


Run 5: Statistics of TCP Cubic

Start at: 2019-01-18 20:53:37  
End at: 2019-01-18 20:54:07  
Local clock offset: -0.284 ms  
Remote clock offset: -1.922 ms

# Below is generated by plot.py at 2019-01-18 21:02:59  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.69 Mbit/s  
95th percentile per-packet one-way delay: 63.781 ms  
Loss rate: 0.31%  
-- Flow 1:  
Average throughput: 85.69 Mbit/s  
95th percentile per-packet one-way delay: 63.781 ms  
Loss rate: 0.31%

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

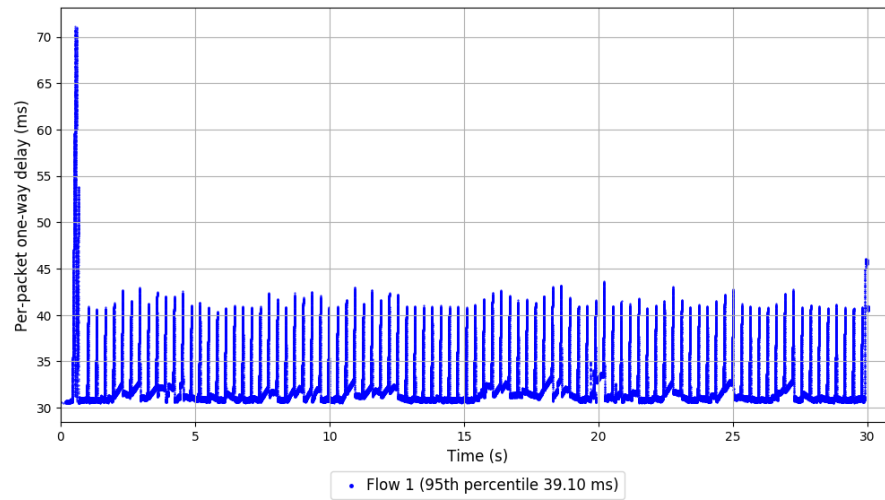
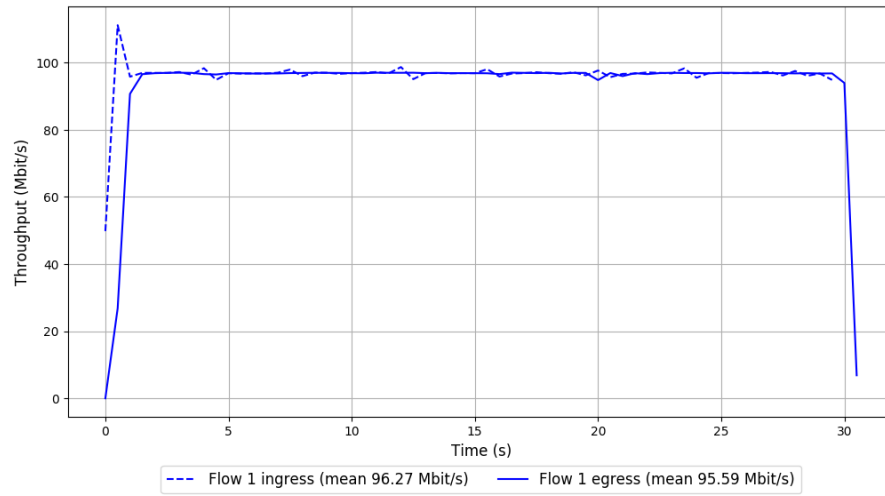


Run 1: Statistics of FillP

Start at: 2019-01-18 19:13:46  
End at: 2019-01-18 19:14:16  
Local clock offset: -0.222 ms  
Remote clock offset: -2.314 ms

# Below is generated by plot.py at 2019-01-18 21:03:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.59 Mbit/s  
95th percentile per-packet one-way delay: 39.104 ms  
Loss rate: 0.67%  
-- Flow 1:  
Average throughput: 95.59 Mbit/s  
95th percentile per-packet one-way delay: 39.104 ms  
Loss rate: 0.67%

## Run 1: Report of FillP — Data Link



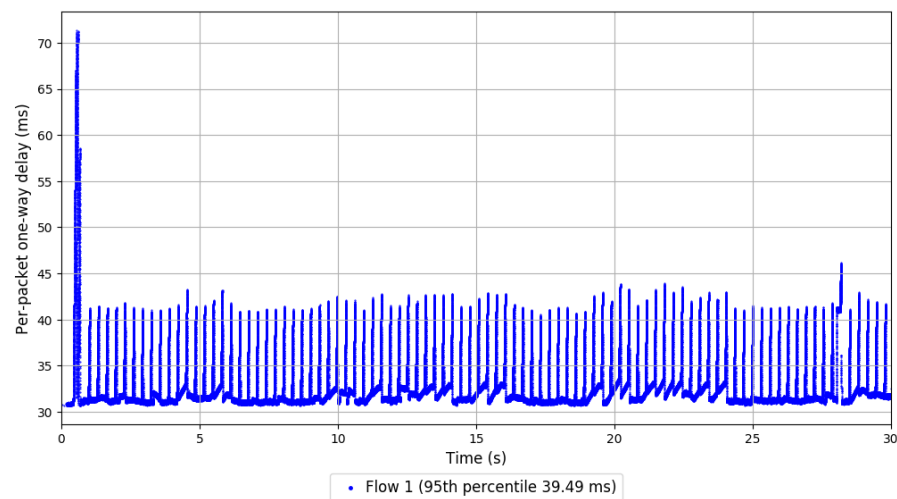
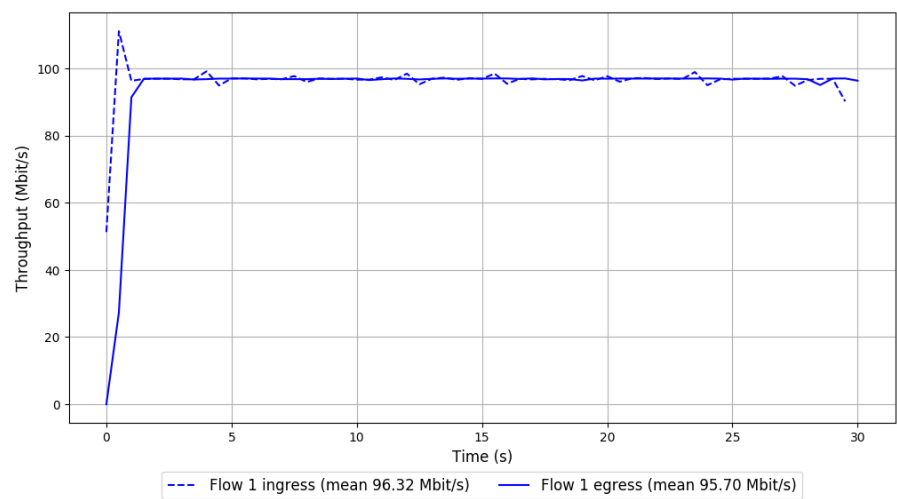


Run 2: Statistics of FillP

Start at: 2019-01-18 19:39:50  
End at: 2019-01-18 19:40:20  
Local clock offset: -0.314 ms  
Remote clock offset: -1.745 ms

# Below is generated by plot.py at 2019-01-18 21:03:22  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.70 Mbit/s  
95th percentile per-packet one-way delay: 39.493 ms  
Loss rate: 0.64%  
-- Flow 1:  
Average throughput: 95.70 Mbit/s  
95th percentile per-packet one-way delay: 39.493 ms  
Loss rate: 0.64%

Run 2: Report of FillP — Data Link

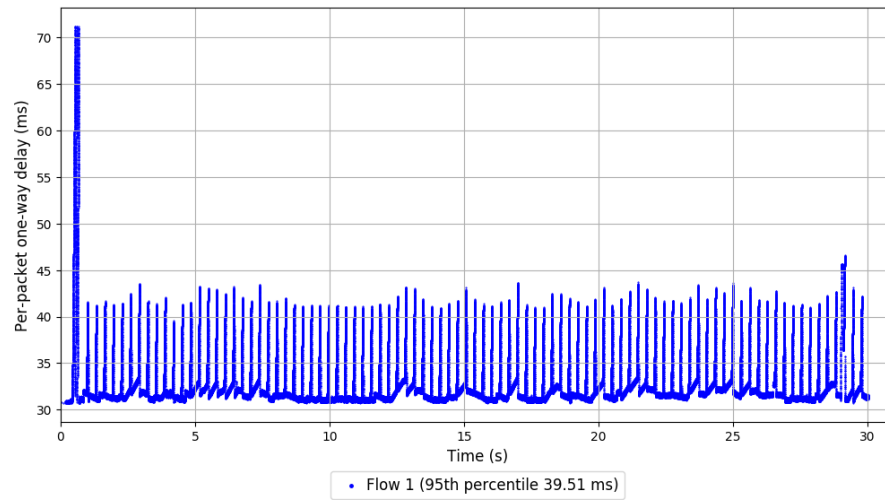
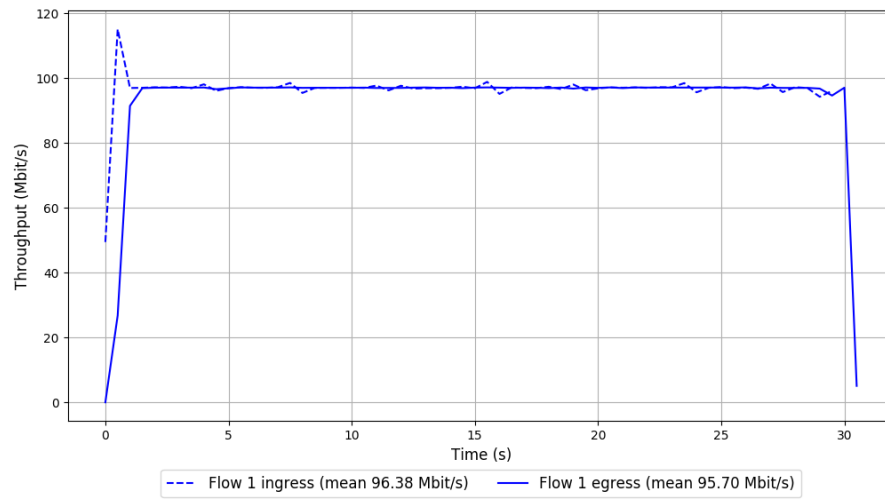


Run 3: Statistics of FillP

Start at: 2019-01-18 20:05:52  
End at: 2019-01-18 20:06:22  
Local clock offset: 0.102 ms  
Remote clock offset: -1.505 ms

# Below is generated by plot.py at 2019-01-18 21:03:23  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.70 Mbit/s  
95th percentile per-packet one-way delay: 39.507 ms  
Loss rate: 0.71%  
-- Flow 1:  
Average throughput: 95.70 Mbit/s  
95th percentile per-packet one-way delay: 39.507 ms  
Loss rate: 0.71%

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

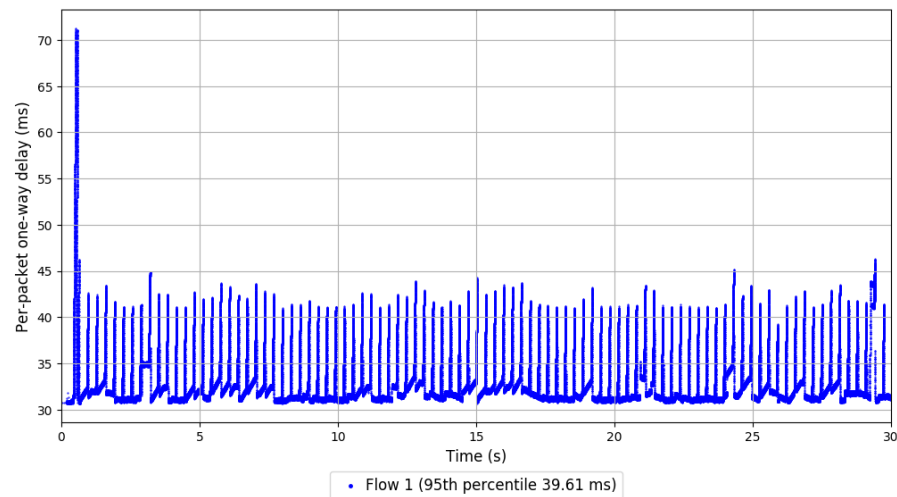
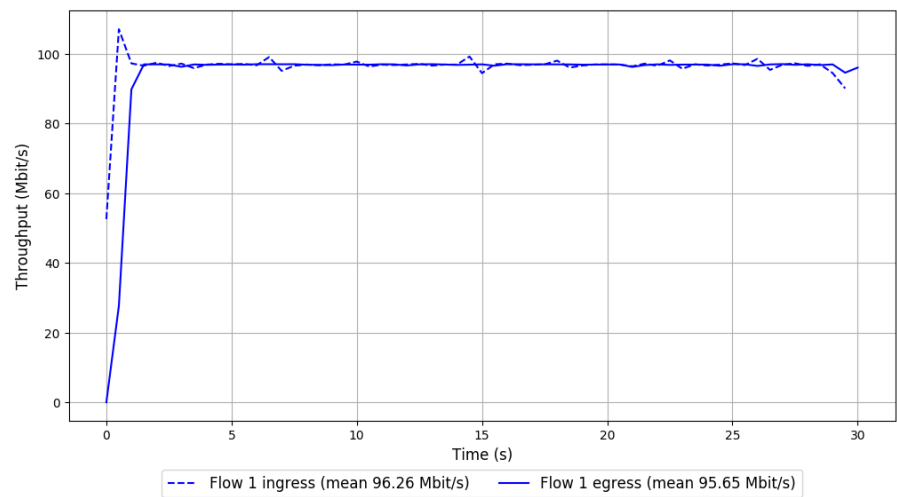


Run 4: Statistics of FillP

Start at: 2019-01-18 20:32:05  
End at: 2019-01-18 20:32:35  
Local clock offset: -0.173 ms  
Remote clock offset: -1.713 ms

# Below is generated by plot.py at 2019-01-18 21:03:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.65 Mbit/s  
95th percentile per-packet one-way delay: 39.614 ms  
Loss rate: 0.64%  
-- Flow 1:  
Average throughput: 95.65 Mbit/s  
95th percentile per-packet one-way delay: 39.614 ms  
Loss rate: 0.64%

Run 4: Report of FillP — Data Link

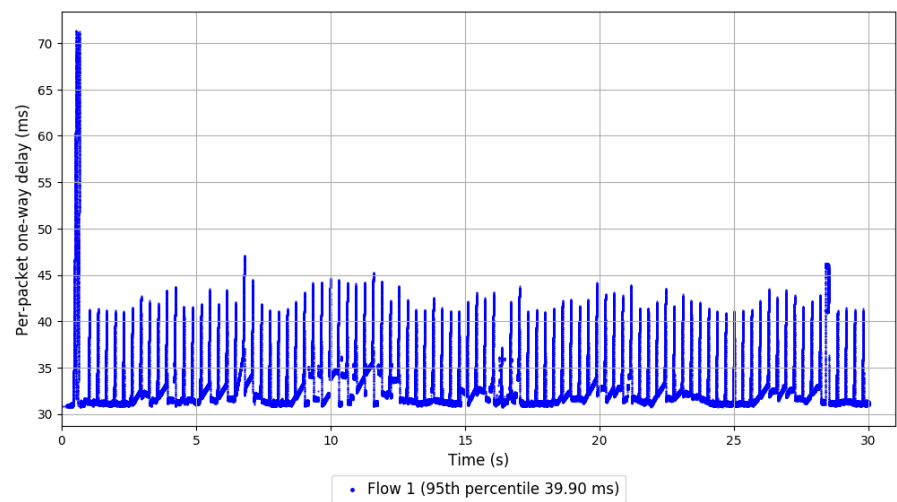
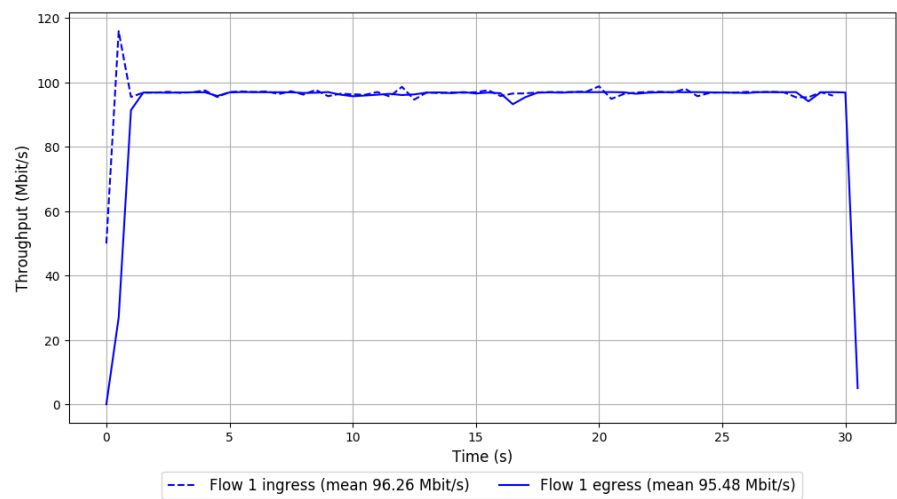


Run 5: Statistics of FillP

Start at: 2019-01-18 20:58:43  
End at: 2019-01-18 20:59:13  
Local clock offset: -0.336 ms  
Remote clock offset: -1.868 ms

# Below is generated by plot.py at 2019-01-18 21:03:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.48 Mbit/s  
95th percentile per-packet one-way delay: 39.896 ms  
Loss rate: 0.81%  
-- Flow 1:  
Average throughput: 95.48 Mbit/s  
95th percentile per-packet one-way delay: 39.896 ms  
Loss rate: 0.81%

Run 5: Report of FillP — Data Link



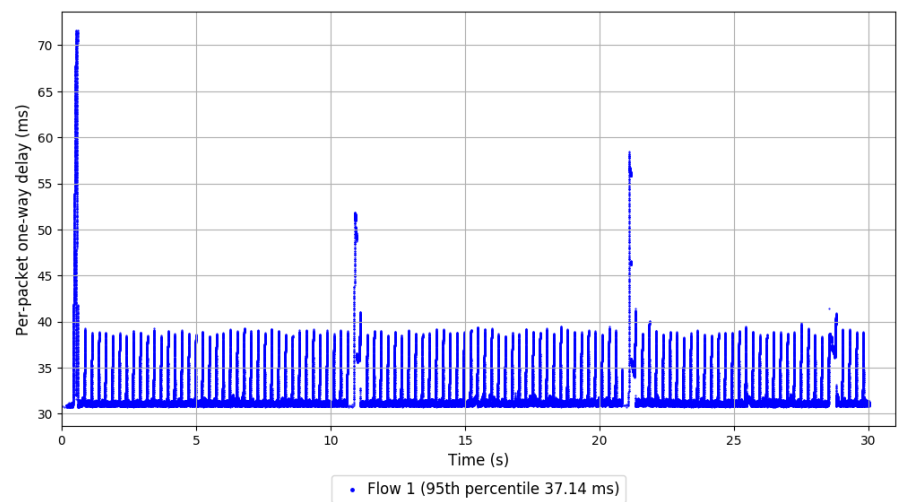
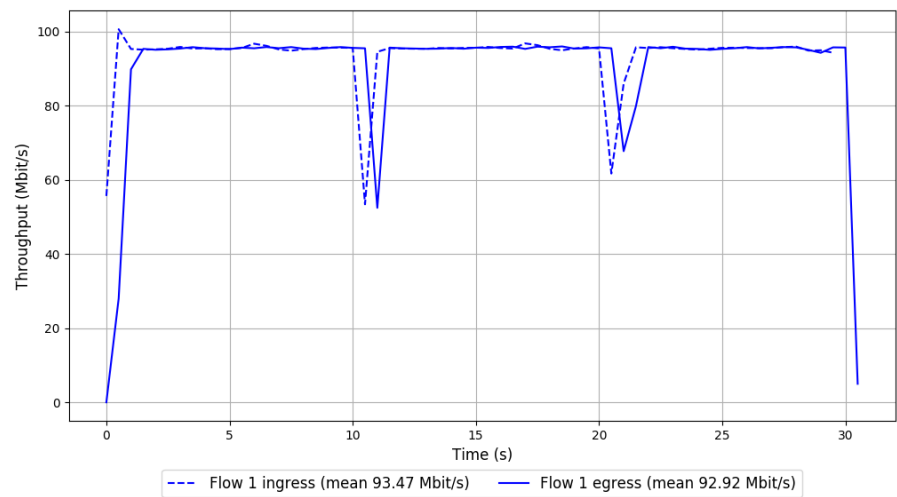


Run 1: Statistics of FillP-Sheep

Start at: 2019-01-18 19:03:33  
End at: 2019-01-18 19:04:03  
Local clock offset: -0.228 ms  
Remote clock offset: -2.321 ms

# Below is generated by plot.py at 2019-01-18 21:03:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.92 Mbit/s  
95th percentile per-packet one-way delay: 37.136 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 92.92 Mbit/s  
95th percentile per-packet one-way delay: 37.136 ms  
Loss rate: 0.58%

Run 1: Report of FillP-Sheep — Data Link

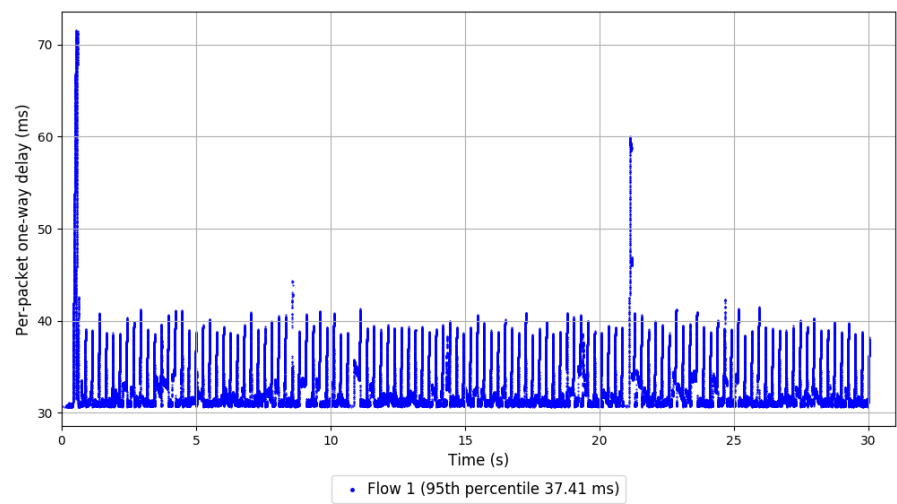
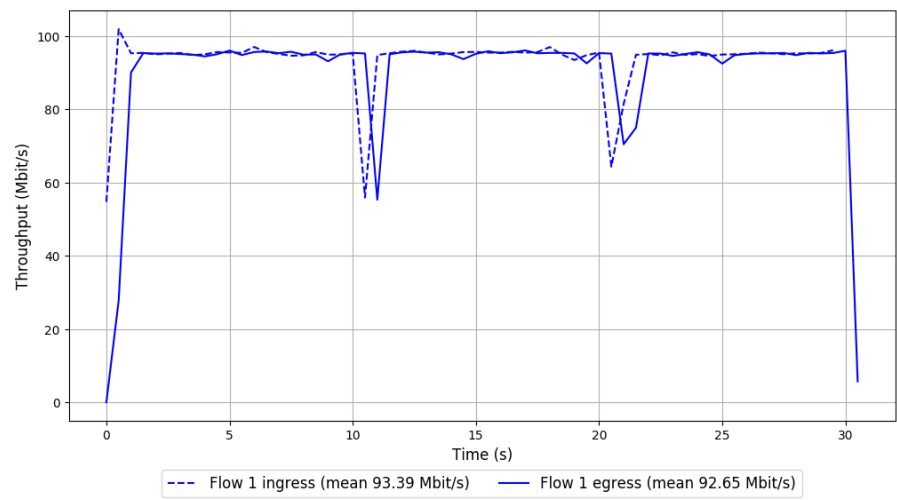


Run 2: Statistics of FillP-Sheep

Start at: 2019-01-18 19:29:27  
End at: 2019-01-18 19:29:57  
Local clock offset: -0.342 ms  
Remote clock offset: -1.862 ms

# Below is generated by plot.py at 2019-01-18 21:04:13  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.65 Mbit/s  
95th percentile per-packet one-way delay: 37.406 ms  
Loss rate: 0.77%  
-- Flow 1:  
Average throughput: 92.65 Mbit/s  
95th percentile per-packet one-way delay: 37.406 ms  
Loss rate: 0.77%

Run 2: Report of FillP-Sheep — Data Link

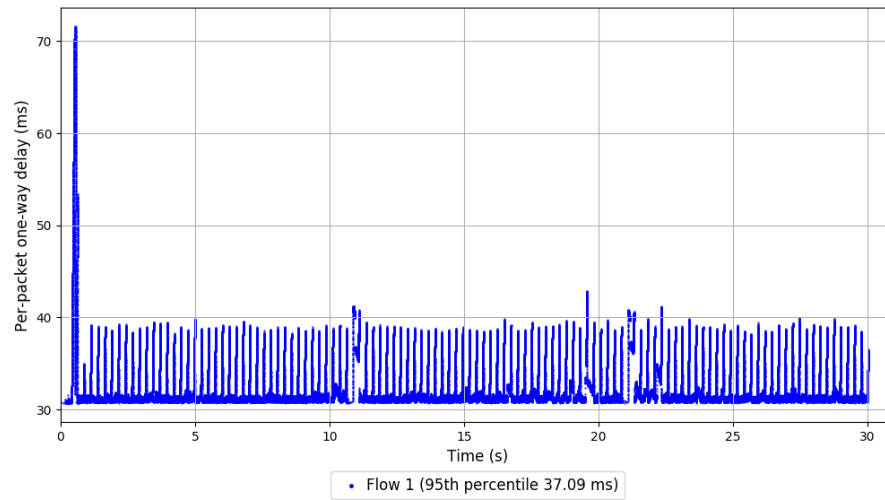
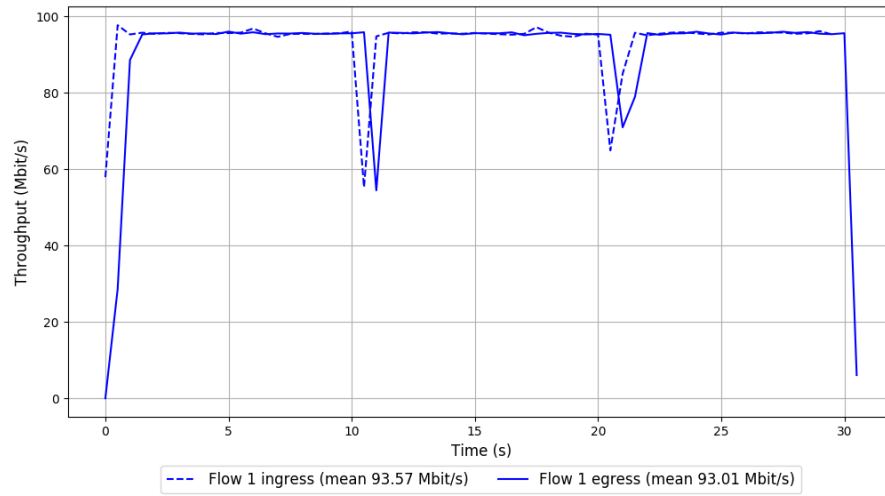


Run 3: Statistics of FillP-Sheep

Start at: 2019-01-18 19:55:54  
End at: 2019-01-18 19:56:24  
Local clock offset: -0.055 ms  
Remote clock offset: -1.564 ms

# Below is generated by plot.py at 2019-01-18 21:04:24  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.01 Mbit/s  
95th percentile per-packet one-way delay: 37.085 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 93.01 Mbit/s  
95th percentile per-packet one-way delay: 37.085 ms  
Loss rate: 0.58%

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

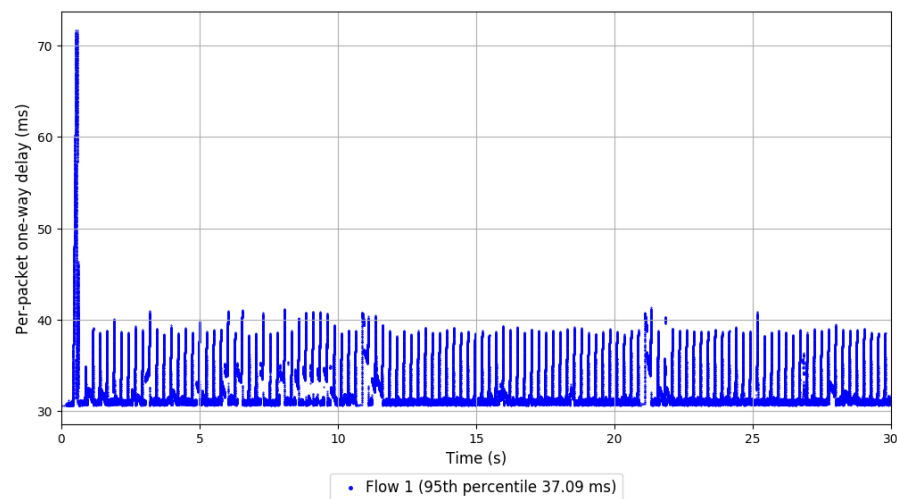
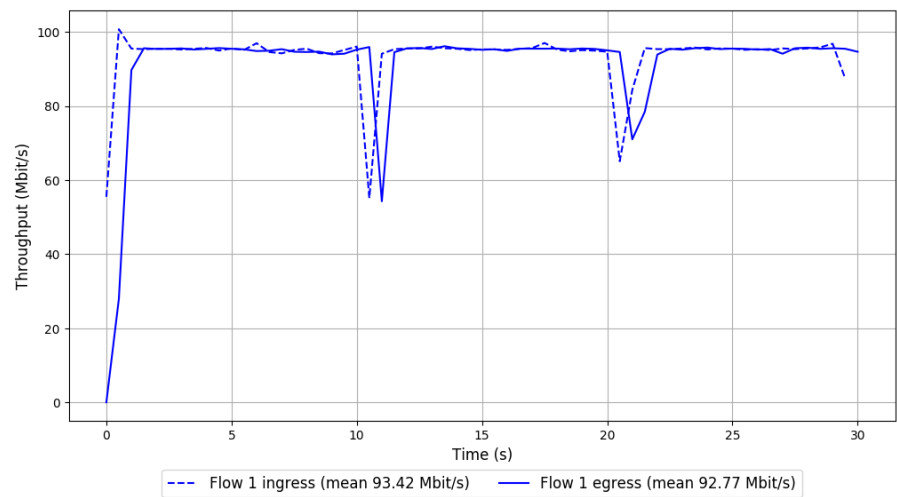


Run 4: Statistics of FillP-Sheep

Start at: 2019-01-18 20:21:48  
End at: 2019-01-18 20:22:18  
Local clock offset: 0.022 ms  
Remote clock offset: -1.486 ms

# Below is generated by plot.py at 2019-01-18 21:04:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.77 Mbit/s  
95th percentile per-packet one-way delay: 37.086 ms  
Loss rate: 0.68%  
-- Flow 1:  
Average throughput: 92.77 Mbit/s  
95th percentile per-packet one-way delay: 37.086 ms  
Loss rate: 0.68%

Run 4: Report of FillP-Sheep — Data Link



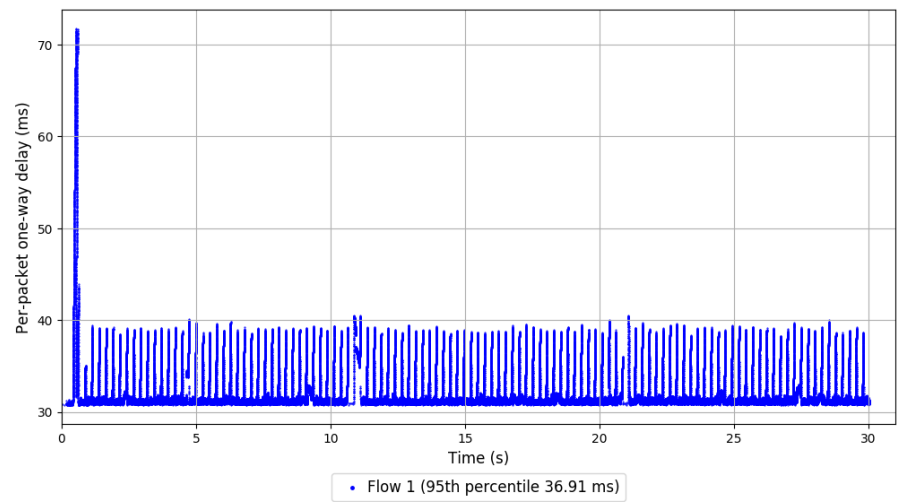
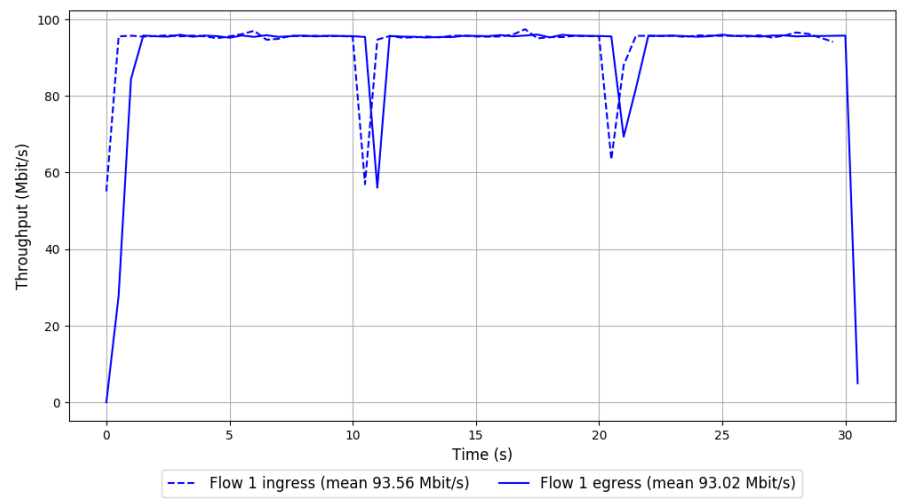


Run 5: Statistics of FillP-Sheep

Start at: 2019-01-18 20:48:14  
End at: 2019-01-18 20:48:44  
Local clock offset: -0.214 ms  
Remote clock offset: -1.867 ms

# Below is generated by plot.py at 2019-01-18 21:04:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 93.02 Mbit/s  
95th percentile per-packet one-way delay: 36.915 ms  
Loss rate: 0.58%  
-- Flow 1:  
Average throughput: 93.02 Mbit/s  
95th percentile per-packet one-way delay: 36.915 ms  
Loss rate: 0.58%

Run 5: Report of FillP-Sheep — Data Link

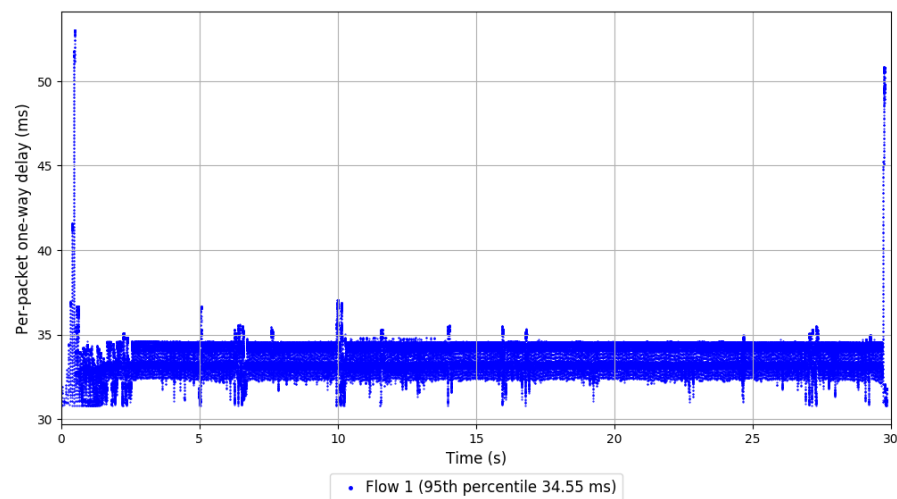
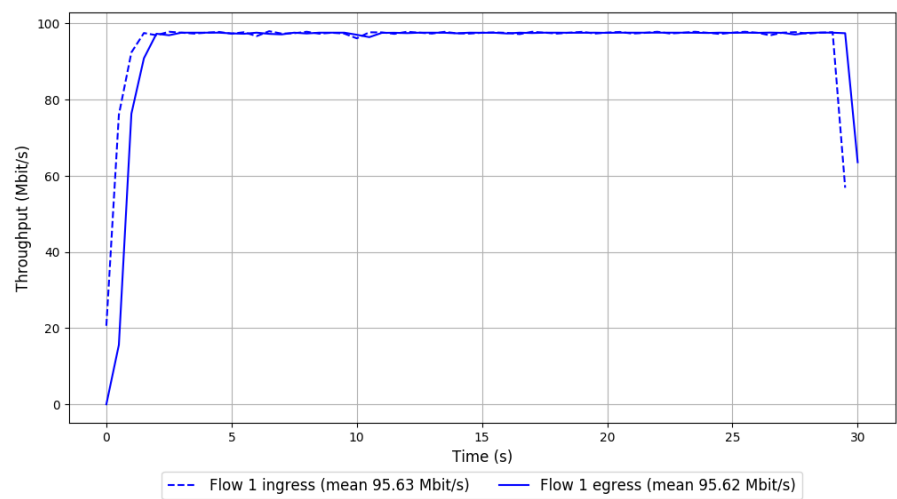


Run 1: Statistics of Indigo

Start at: 2019-01-18 19:04:54  
End at: 2019-01-18 19:05:24  
Local clock offset: -0.241 ms  
Remote clock offset: -2.384 ms

# Below is generated by plot.py at 2019-01-18 21:04:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.62 Mbit/s  
95th percentile per-packet one-way delay: 34.548 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 95.62 Mbit/s  
95th percentile per-packet one-way delay: 34.548 ms  
Loss rate: 0.01%

Run 1: Report of Indigo — Data Link



Run 2: Statistics of Indigo

Start at: 2019-01-18 19:30:40

End at: 2019-01-18 19:31:10

Local clock offset: -0.343 ms

Remote clock offset: -2.03 ms

# Below is generated by plot.py at 2019-01-18 21:04:39

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 34.380 ms

Loss rate: 0.02%

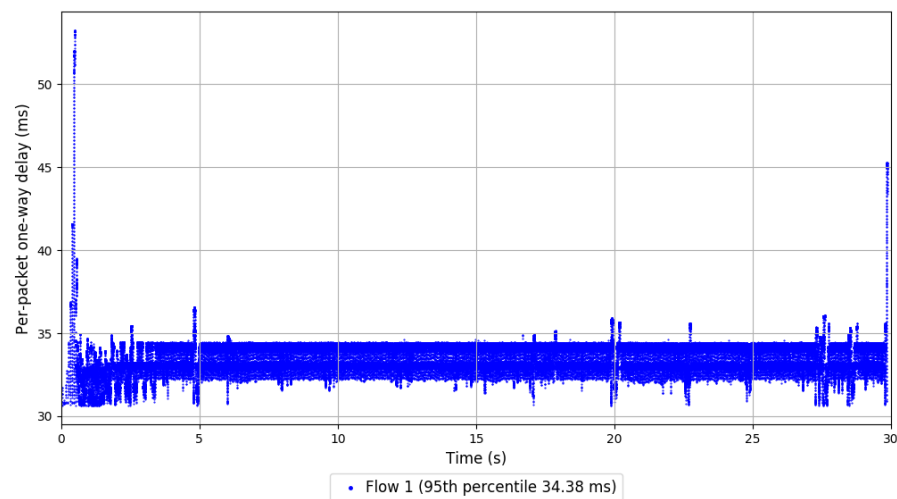
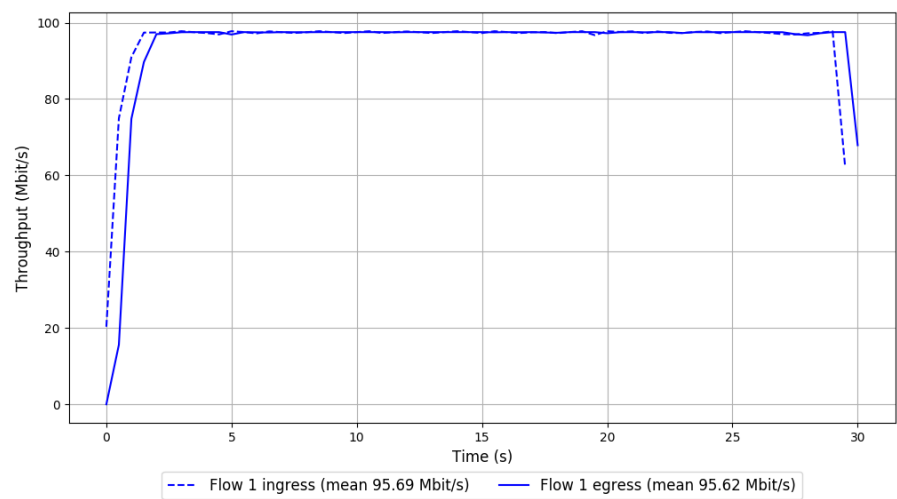
-- Flow 1:

Average throughput: 95.62 Mbit/s

95th percentile per-packet one-way delay: 34.380 ms

Loss rate: 0.02%

Run 2: Report of Indigo — Data Link

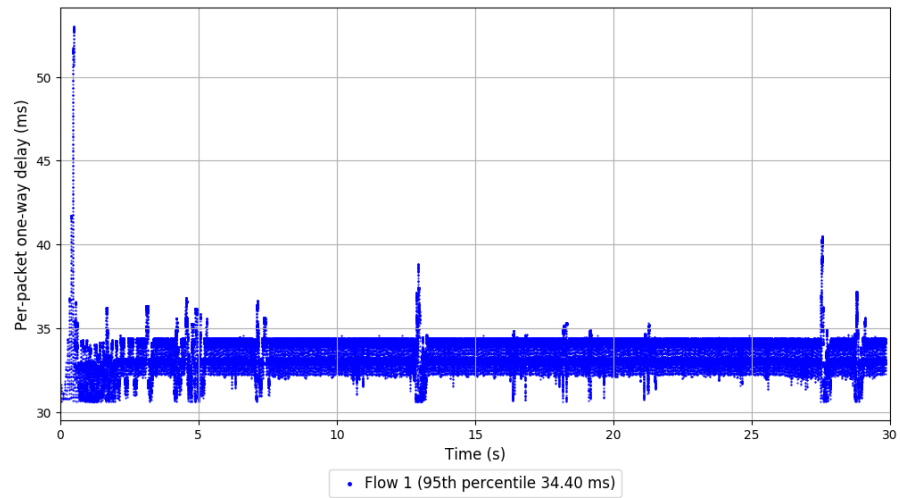
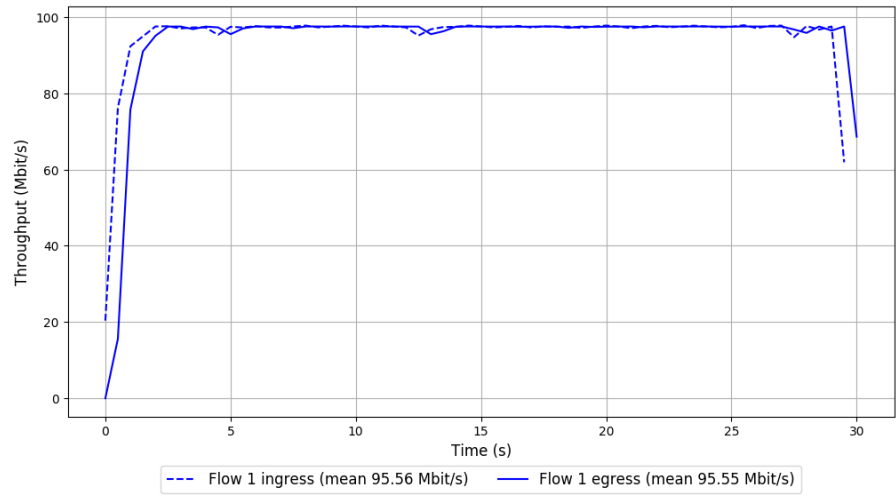


Run 3: Statistics of Indigo

Start at: 2019-01-18 19:57:14  
End at: 2019-01-18 19:57:44  
Local clock offset: -0.053 ms  
Remote clock offset: -1.769 ms

# Below is generated by plot.py at 2019-01-18 21:04:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.55 Mbit/s  
95th percentile per-packet one-way delay: 34.401 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 95.55 Mbit/s  
95th percentile per-packet one-way delay: 34.401 ms  
Loss rate: 0.00%

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



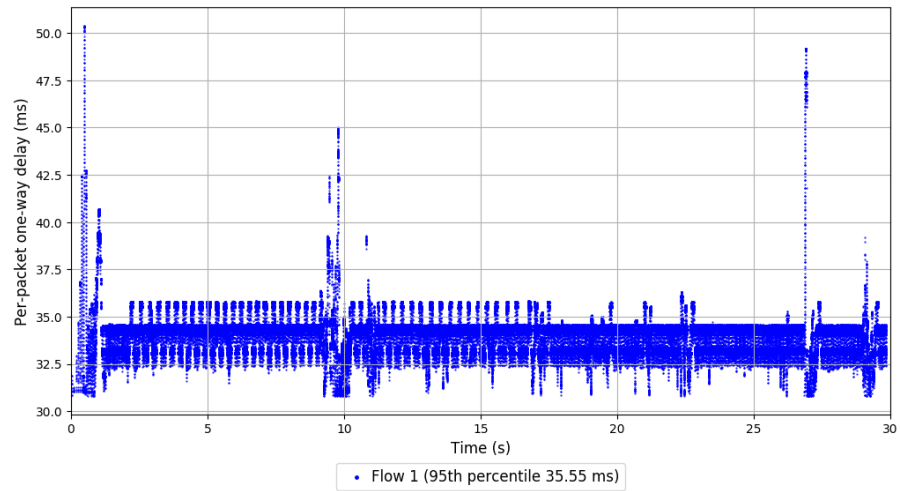
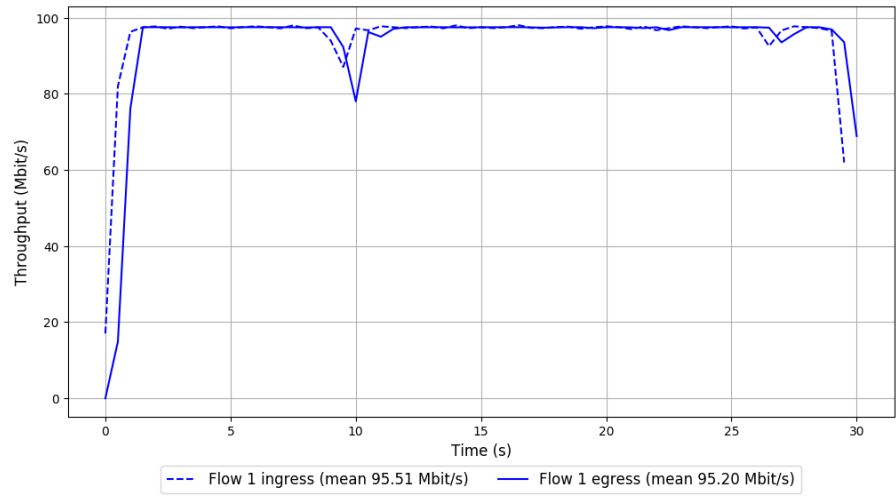


Run 4: Statistics of Indigo

Start at: 2019-01-18 20:23:09  
End at: 2019-01-18 20:23:39  
Local clock offset: -0.013 ms  
Remote clock offset: -1.481 ms

# Below is generated by plot.py at 2019-01-18 21:04:39  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.20 Mbit/s  
95th percentile per-packet one-way delay: 35.549 ms  
Loss rate: 0.31%  
-- Flow 1:  
Average throughput: 95.20 Mbit/s  
95th percentile per-packet one-way delay: 35.549 ms  
Loss rate: 0.31%

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

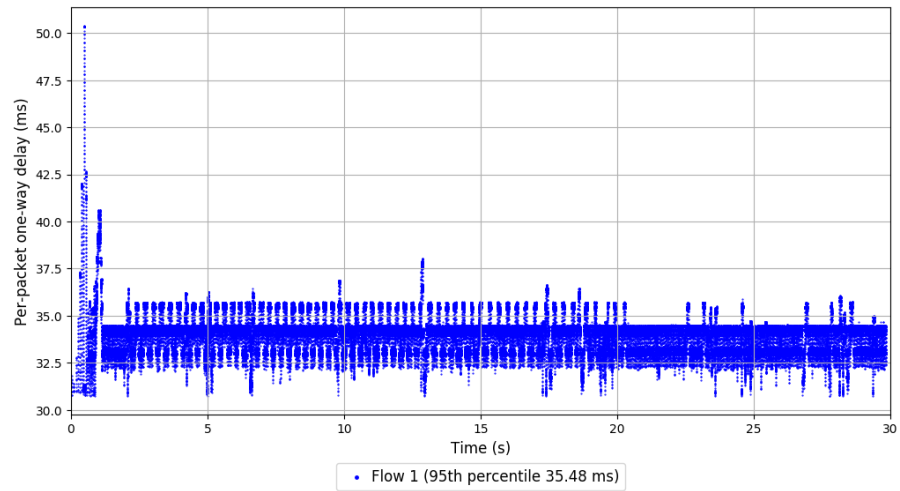
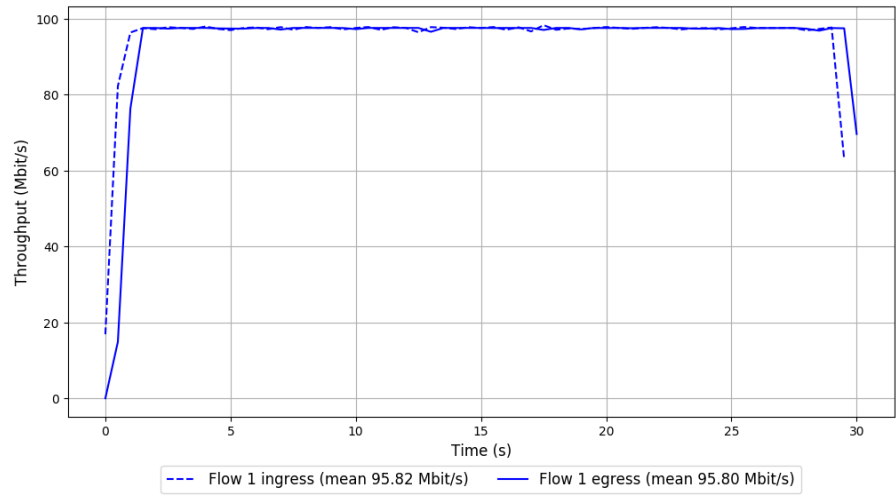


Run 5: Statistics of Indigo

Start at: 2019-01-18 20:49:33  
End at: 2019-01-18 20:50:03  
Local clock offset: -0.194 ms  
Remote clock offset: -1.926 ms

# Below is generated by plot.py at 2019-01-18 21:05:21  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.80 Mbit/s  
95th percentile per-packet one-way delay: 35.483 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 95.80 Mbit/s  
95th percentile per-packet one-way delay: 35.483 ms  
Loss rate: 0.01%

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

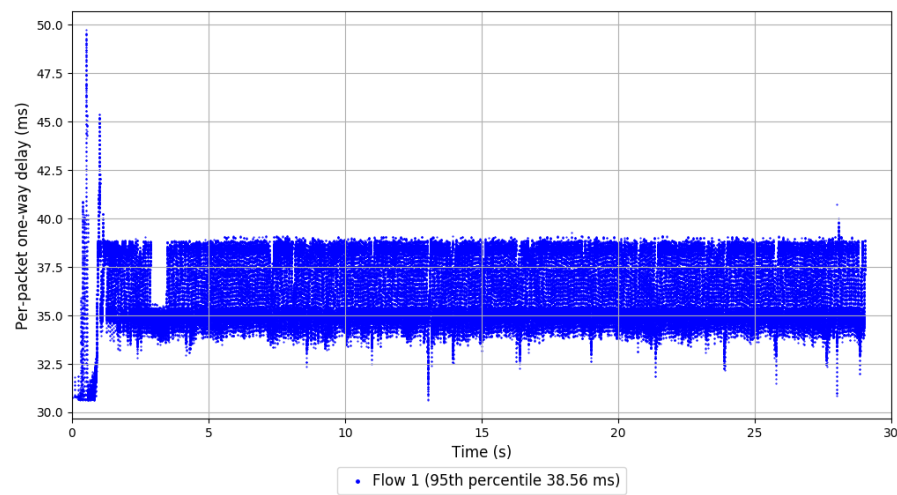
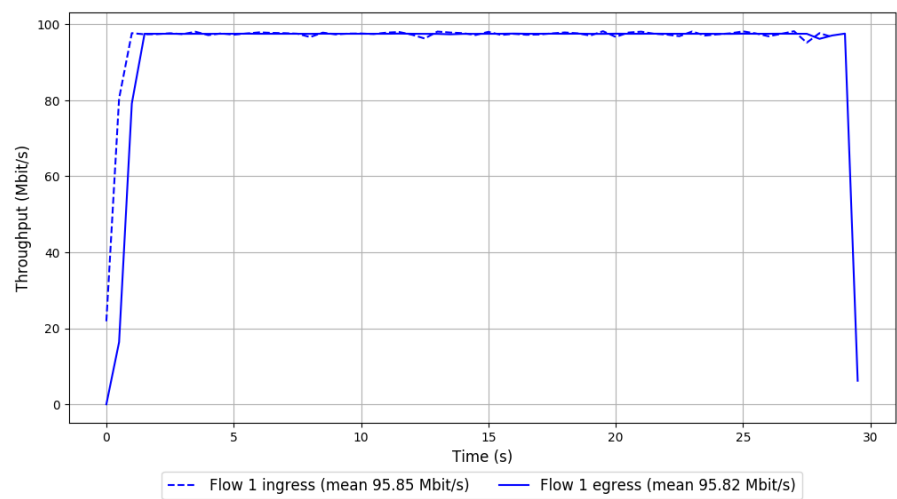


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-01-18 18:59:52  
End at: 2019-01-18 19:00:22  
Local clock offset: -0.194 ms  
Remote clock offset: -2.571 ms

# Below is generated by plot.py at 2019-01-18 21:05:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.82 Mbit/s  
95th percentile per-packet one-way delay: 38.561 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 95.82 Mbit/s  
95th percentile per-packet one-way delay: 38.561 ms  
Loss rate: 0.00%

Run 1: Report of Indigo-MusesC3 — Data Link

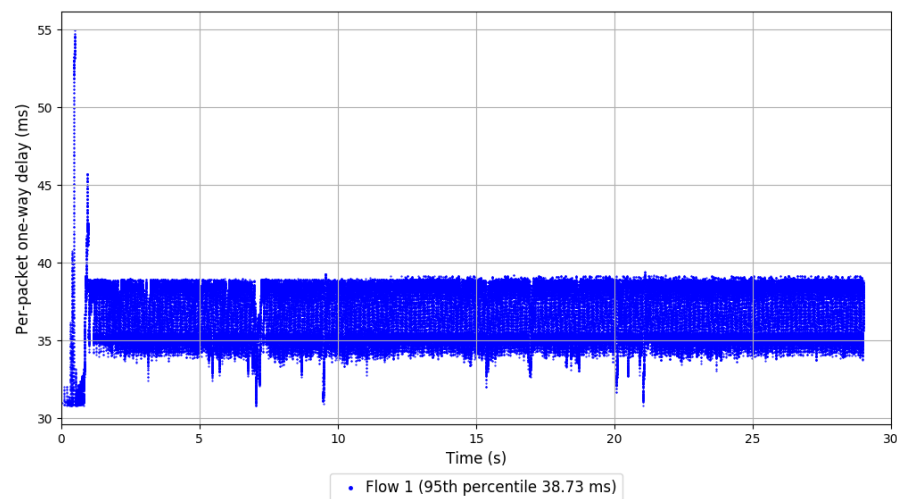
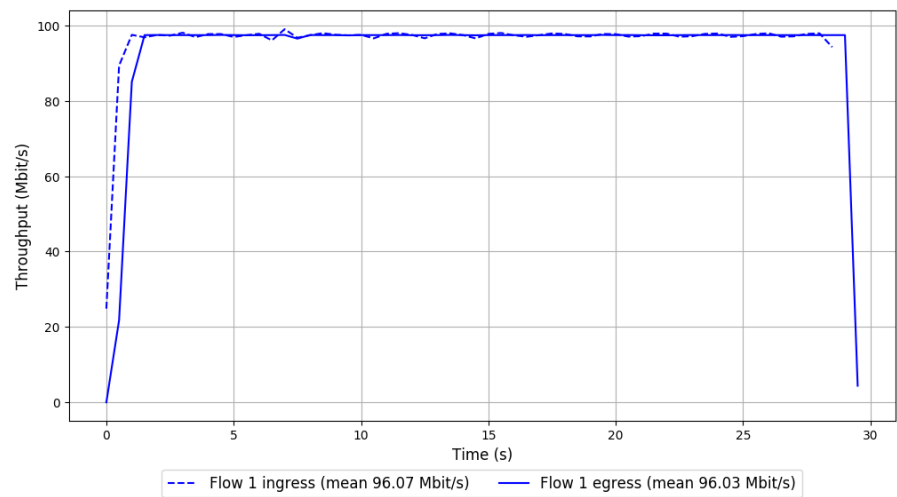


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-01-18 19:25:52  
End at: 2019-01-18 19:26:22  
Local clock offset: -0.341 ms  
Remote clock offset: -1.918 ms

# Below is generated by plot.py at 2019-01-18 21:05:33  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.03 Mbit/s  
95th percentile per-packet one-way delay: 38.734 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 96.03 Mbit/s  
95th percentile per-packet one-way delay: 38.734 ms  
Loss rate: 0.02%

Run 2: Report of Indigo-MusesC3 — Data Link



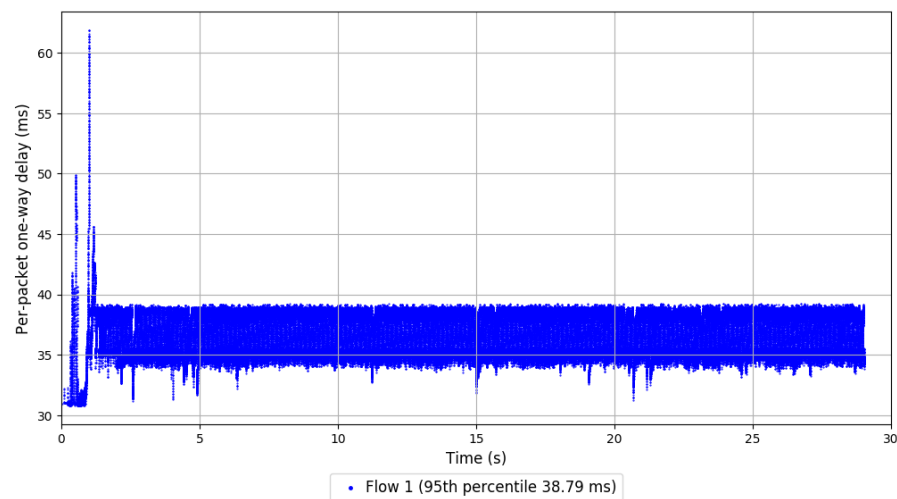
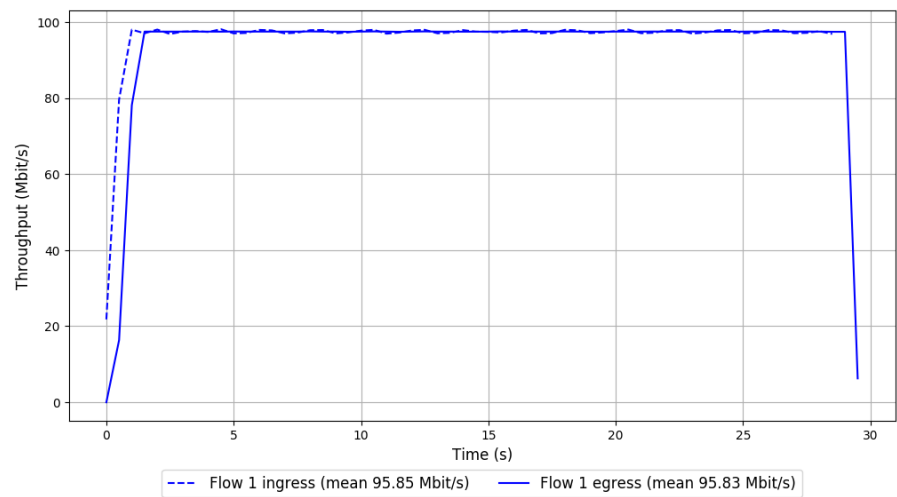


Run 3: Statistics of Indigo-MusesC3

Start at: 2019-01-18 19:51:54  
End at: 2019-01-18 19:52:24  
Local clock offset: -0.143 ms  
Remote clock offset: -1.558 ms

# Below is generated by plot.py at 2019-01-18 21:05:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.83 Mbit/s  
95th percentile per-packet one-way delay: 38.790 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 95.83 Mbit/s  
95th percentile per-packet one-way delay: 38.790 ms  
Loss rate: 0.00%

Run 3: Report of Indigo-MusesC3 — Data Link

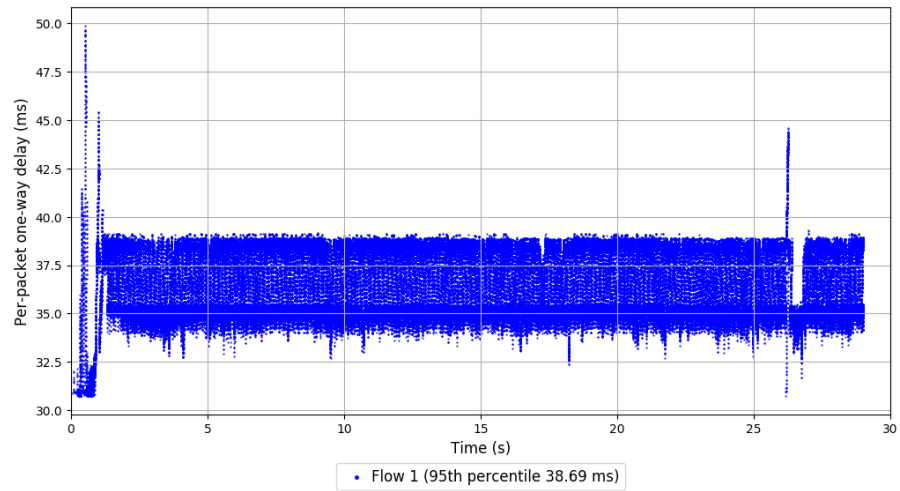
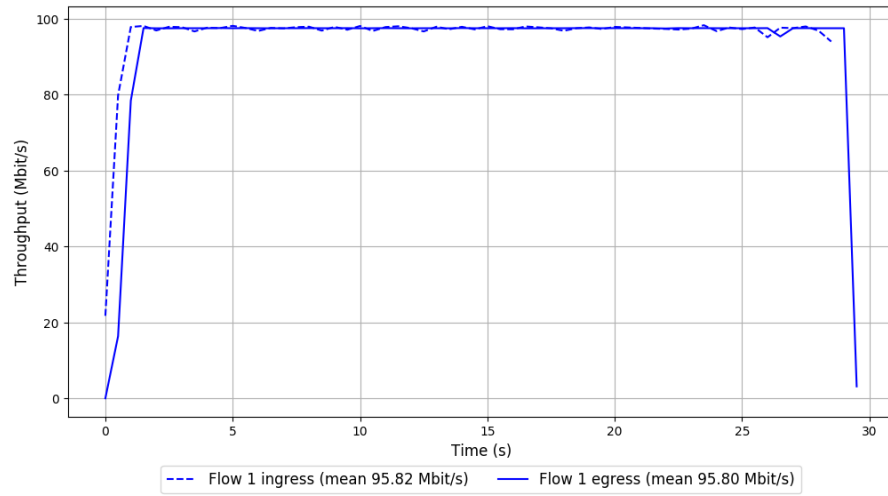


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-01-18 20:18:06  
End at: 2019-01-18 20:18:36  
Local clock offset: 0.19 ms  
Remote clock offset: -1.315 ms

# Below is generated by plot.py at 2019-01-18 21:05:36  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.80 Mbit/s  
95th percentile per-packet one-way delay: 38.690 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 95.80 Mbit/s  
95th percentile per-packet one-way delay: 38.690 ms  
Loss rate: 0.00%

#### Run 4: Report of Indigo-MusesC3 — Data Link

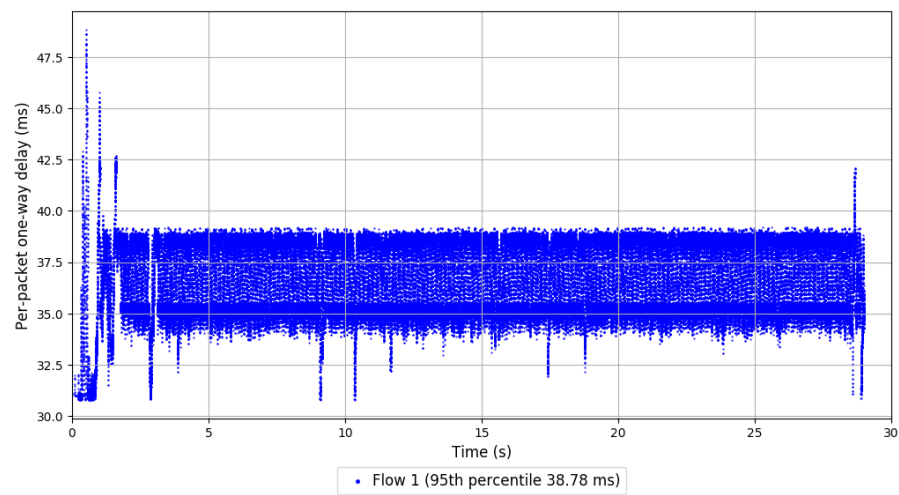
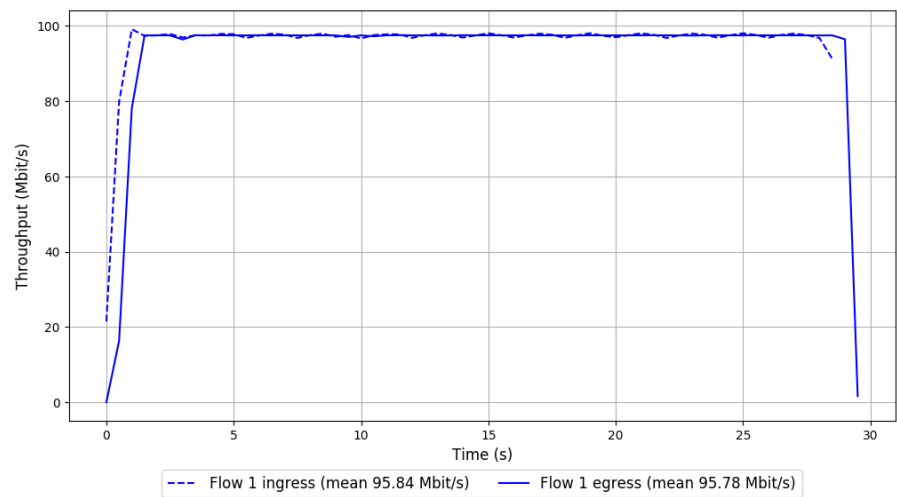


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-01-18 20:44:22  
End at: 2019-01-18 20:44:52  
Local clock offset: -0.186 ms  
Remote clock offset: -1.803 ms

# Below is generated by plot.py at 2019-01-18 21:05:37  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.78 Mbit/s  
95th percentile per-packet one-way delay: 38.780 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 95.78 Mbit/s  
95th percentile per-packet one-way delay: 38.780 ms  
Loss rate: 0.04%

Run 5: Report of Indigo-MusesC3 — Data Link

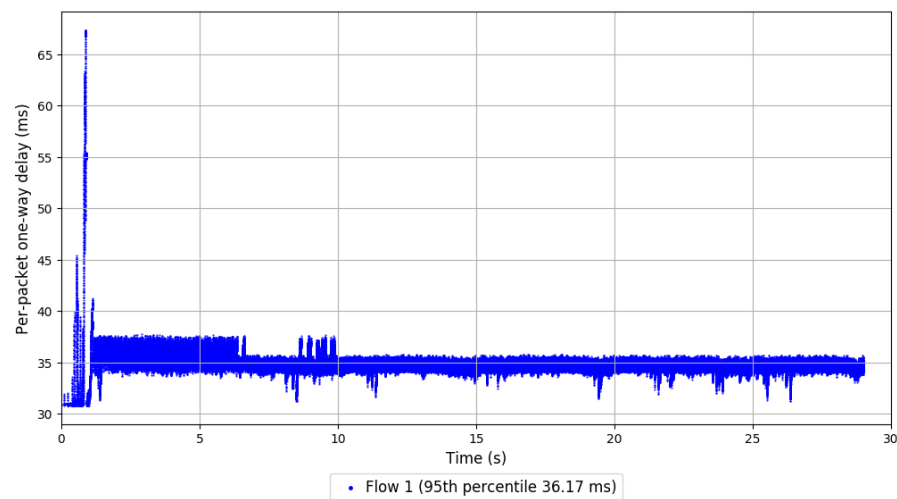
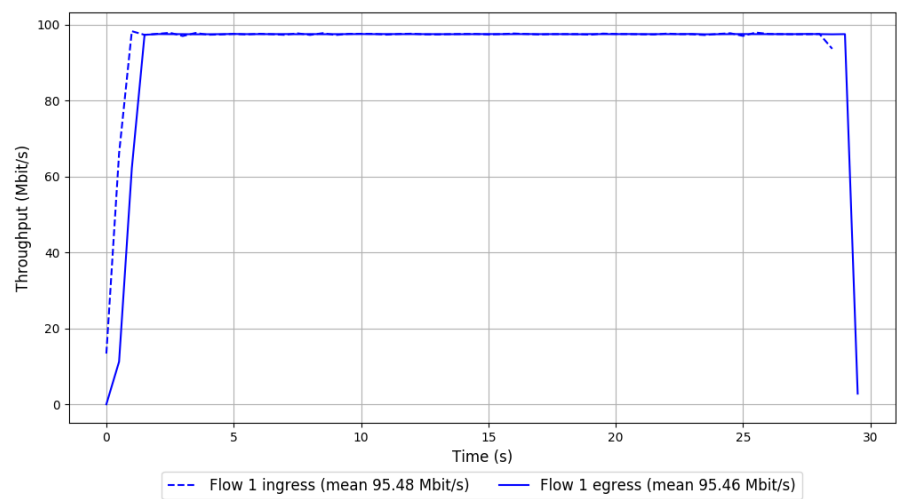


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-01-18 18:49:31  
End at: 2019-01-18 18:50:01  
Local clock offset: 0.211 ms  
Remote clock offset: -2.513 ms

# Below is generated by plot.py at 2019-01-18 21:05:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.46 Mbit/s  
95th percentile per-packet one-way delay: 36.168 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 95.46 Mbit/s  
95th percentile per-packet one-way delay: 36.168 ms  
Loss rate: 0.00%

Run 1: Report of Indigo-MusesC5 — Data Link





Run 2: Statistics of Indigo-MusesC5

Start at: 2019-01-18 19:14:59

End at: 2019-01-18 19:15:29

Local clock offset: -0.201 ms

Remote clock offset: -2.07 ms

# Below is generated by plot.py at 2019-01-18 21:05:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.93 Mbit/s

95th percentile per-packet one-way delay: 48.735 ms

Loss rate: 0.00%

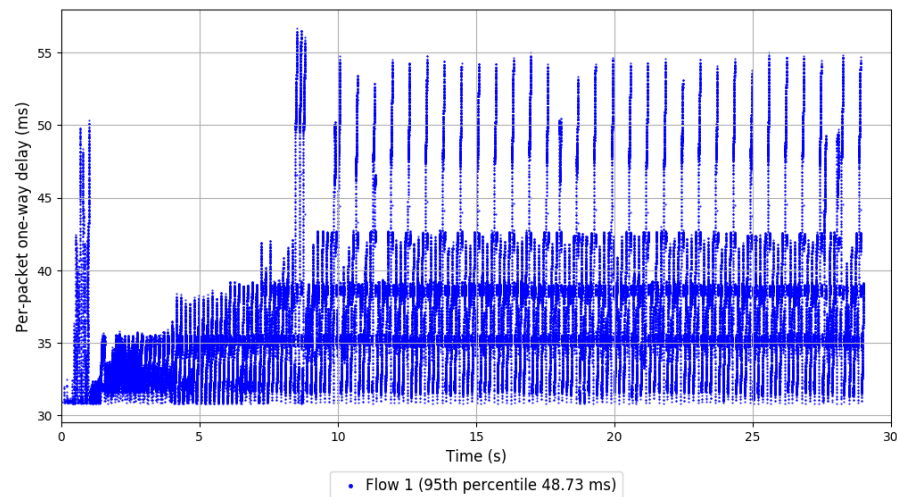
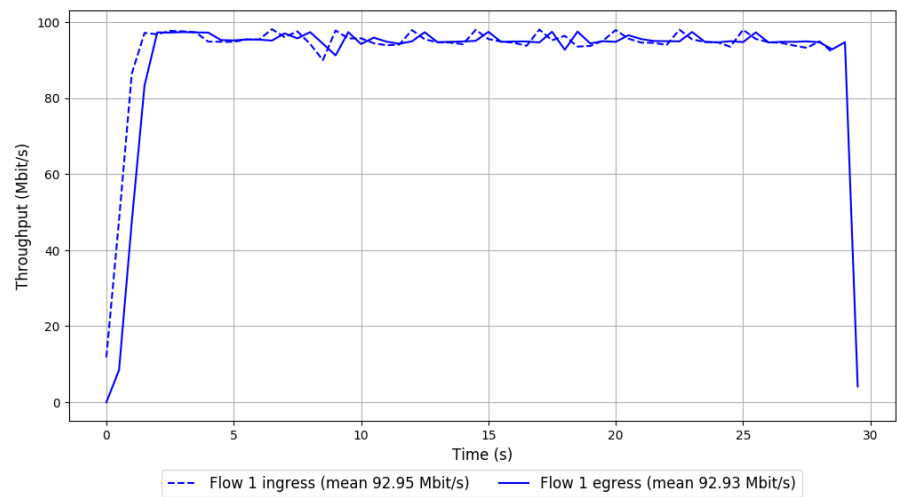
-- Flow 1:

Average throughput: 92.93 Mbit/s

95th percentile per-packet one-way delay: 48.735 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesC5 — Data Link

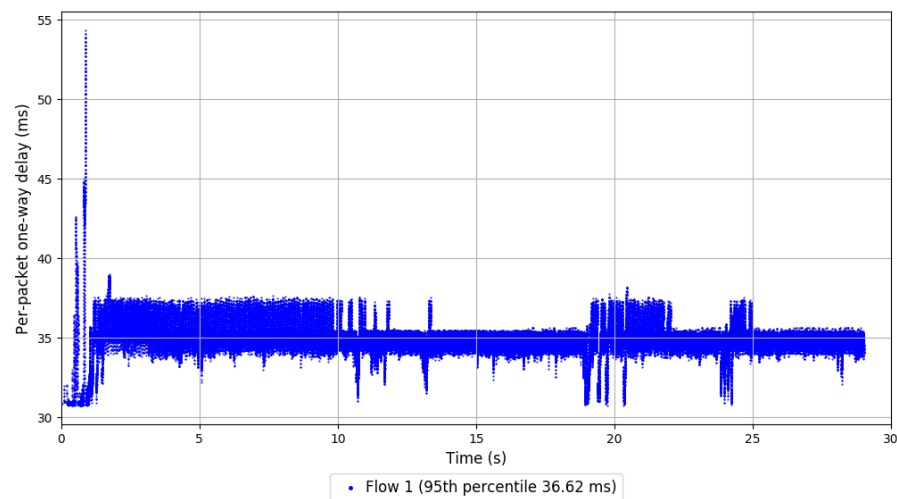
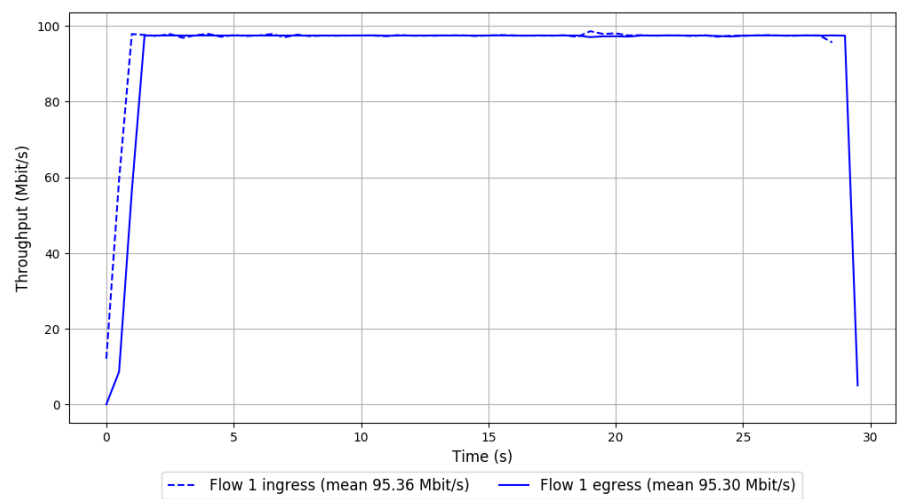


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-01-18 19:41:04  
End at: 2019-01-18 19:41:34  
Local clock offset: -0.303 ms  
Remote clock offset: -1.735 ms

# Below is generated by plot.py at 2019-01-18 21:06:25  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.30 Mbit/s  
95th percentile per-packet one-way delay: 36.615 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 95.30 Mbit/s  
95th percentile per-packet one-way delay: 36.615 ms  
Loss rate: 0.05%

Run 3: Report of Indigo-MusesC5 — Data Link

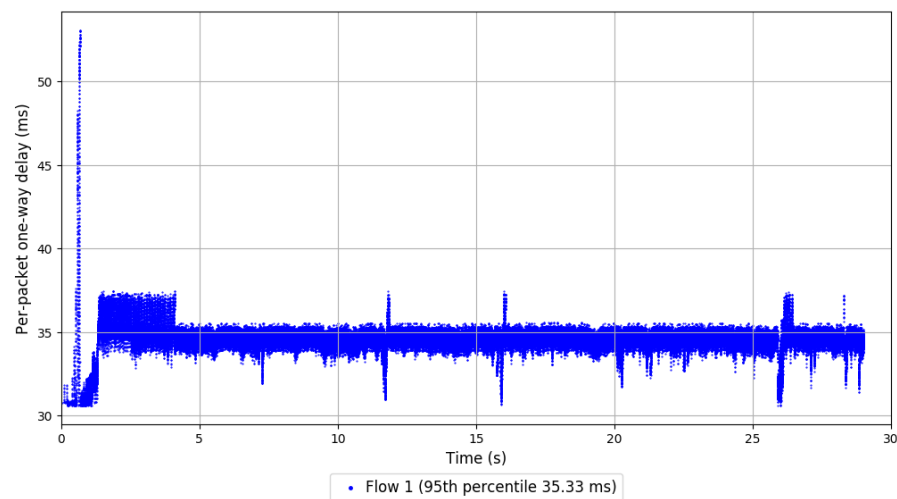
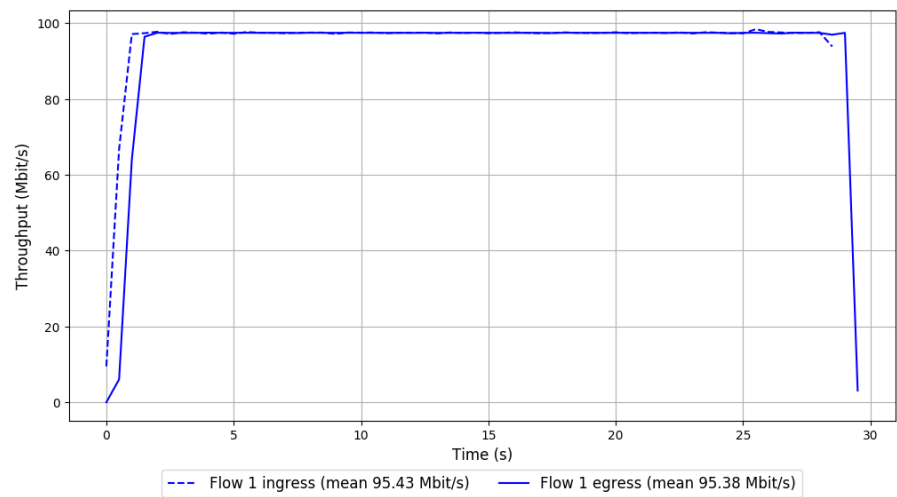


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-01-18 20:07:06  
End at: 2019-01-18 20:07:36  
Local clock offset: 0.133 ms  
Remote clock offset: -1.664 ms

# Below is generated by plot.py at 2019-01-18 21:06:30  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.38 Mbit/s  
95th percentile per-packet one-way delay: 35.325 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 95.38 Mbit/s  
95th percentile per-packet one-way delay: 35.325 ms  
Loss rate: 0.04%

Run 4: Report of Indigo-MusesC5 — Data Link



Run 5: Statistics of Indigo-MusesC5

Start at: 2019-01-18 20:33:18

End at: 2019-01-18 20:33:48

Local clock offset: -0.175 ms

Remote clock offset: -1.69 ms

# Below is generated by plot.py at 2019-01-18 21:06:38

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.23 Mbit/s

95th percentile per-packet one-way delay: 36.270 ms

Loss rate: 0.06%

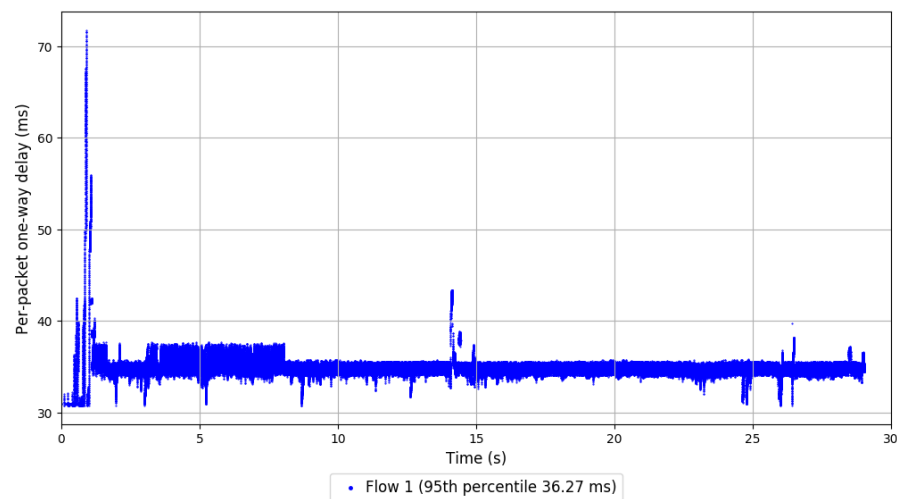
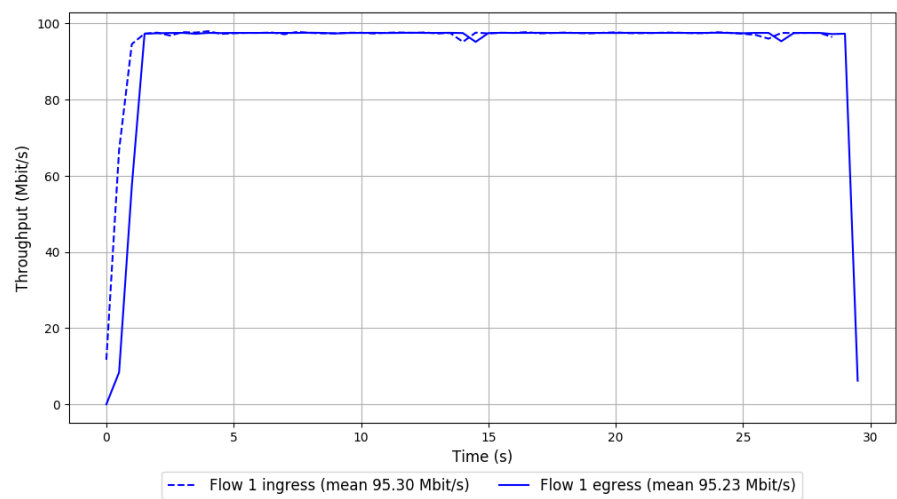
-- Flow 1:

Average throughput: 95.23 Mbit/s

95th percentile per-packet one-way delay: 36.270 ms

Loss rate: 0.06%

Run 5: Report of Indigo-MusesC5 — Data Link



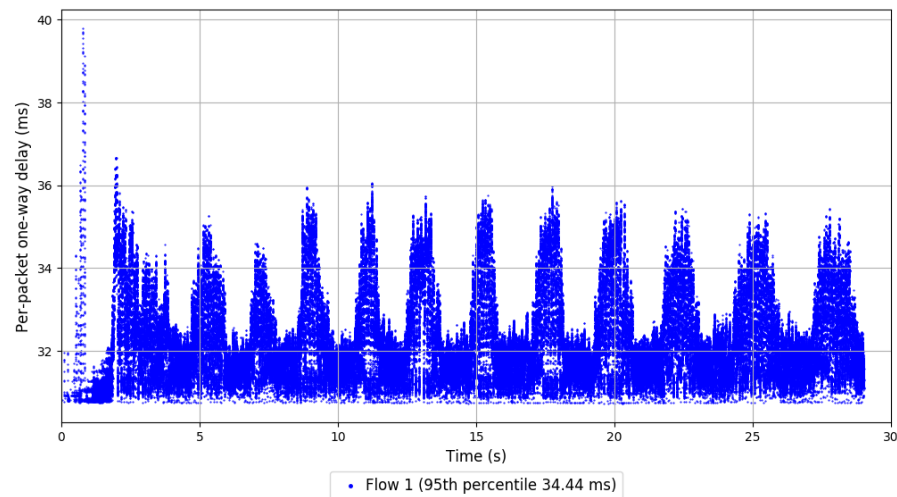
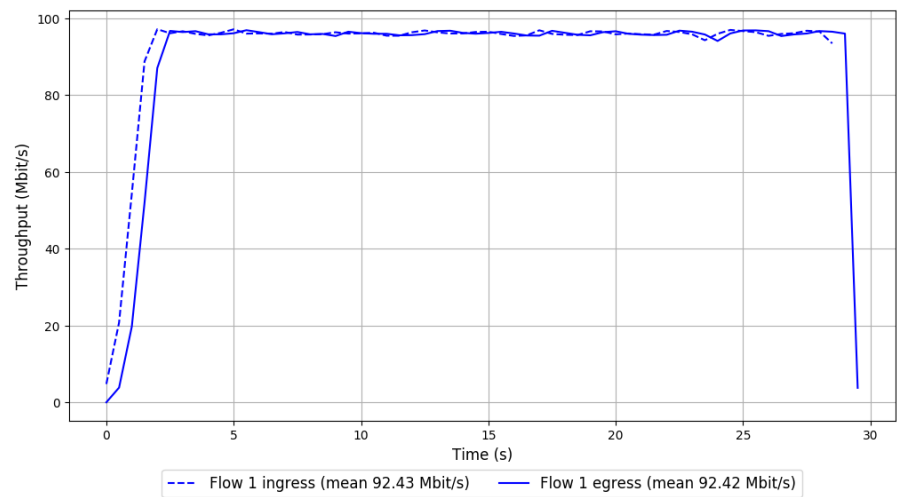


Run 1: Statistics of Indigo-MusesD

Start at: 2019-01-18 19:01:13  
End at: 2019-01-18 19:01:43  
Local clock offset: -0.204 ms  
Remote clock offset: -2.416 ms

# Below is generated by plot.py at 2019-01-18 21:06:38  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.42 Mbit/s  
95th percentile per-packet one-way delay: 34.443 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 92.42 Mbit/s  
95th percentile per-packet one-way delay: 34.443 ms  
Loss rate: 0.01%

Run 1: Report of Indigo-MusesD — Data Link



Run 2: Statistics of Indigo-MusesD

Start at: 2019-01-18 19:27:08

End at: 2019-01-18 19:27:38

Local clock offset: -0.348 ms

Remote clock offset: -1.867 ms

# Below is generated by plot.py at 2019-01-18 21:06:39

# Datalink statistics

-- Total of 1 flow:

Average throughput: 92.53 Mbit/s

95th percentile per-packet one-way delay: 34.732 ms

Loss rate: 0.02%

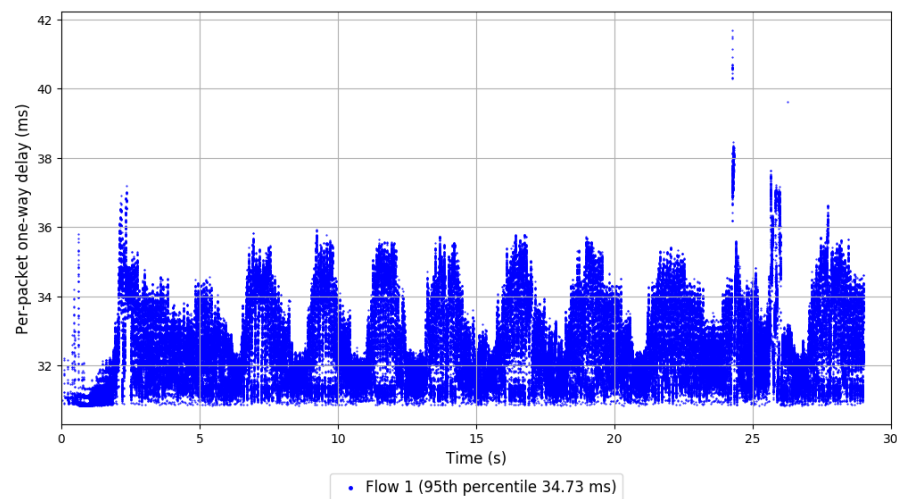
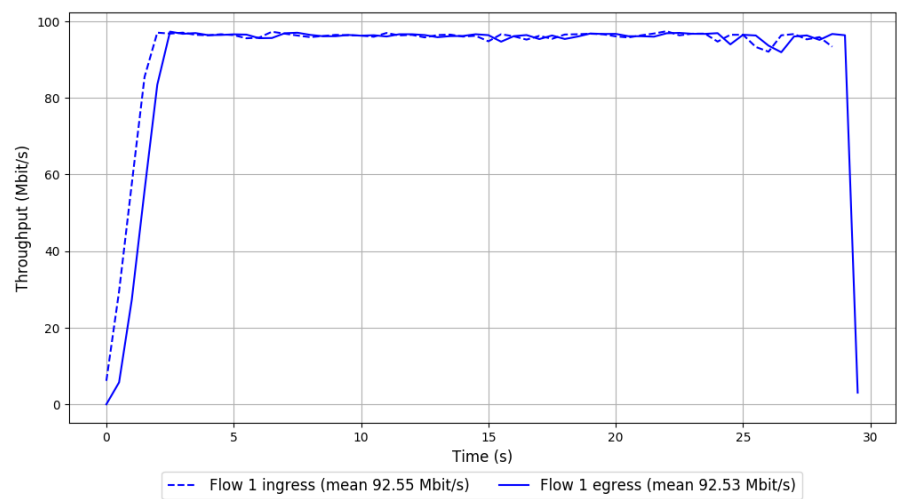
-- Flow 1:

Average throughput: 92.53 Mbit/s

95th percentile per-packet one-way delay: 34.732 ms

Loss rate: 0.02%

Run 2: Report of Indigo-MusesD — Data Link

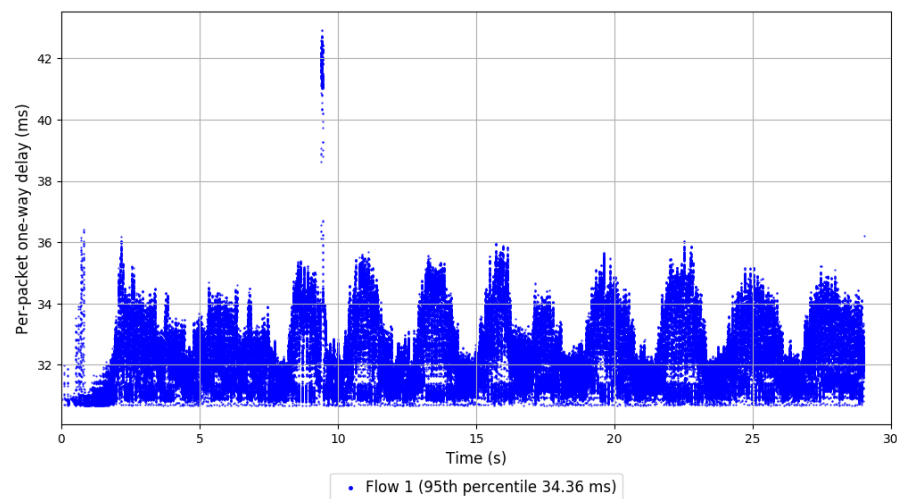
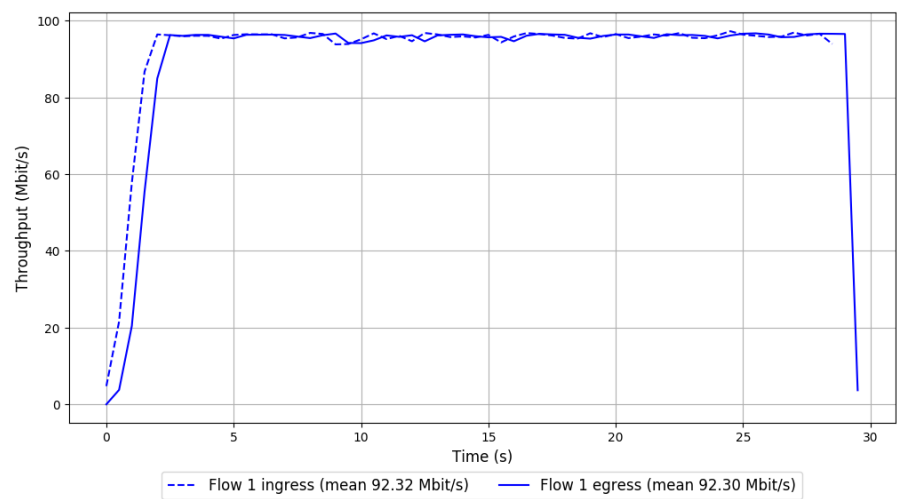


Run 3: Statistics of Indigo-MusesD

Start at: 2019-01-18 19:53:21  
End at: 2019-01-18 19:53:51  
Local clock offset: -0.129 ms  
Remote clock offset: -1.773 ms

# Below is generated by plot.py at 2019-01-18 21:06:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.30 Mbit/s  
95th percentile per-packet one-way delay: 34.364 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 92.30 Mbit/s  
95th percentile per-packet one-way delay: 34.364 ms  
Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link

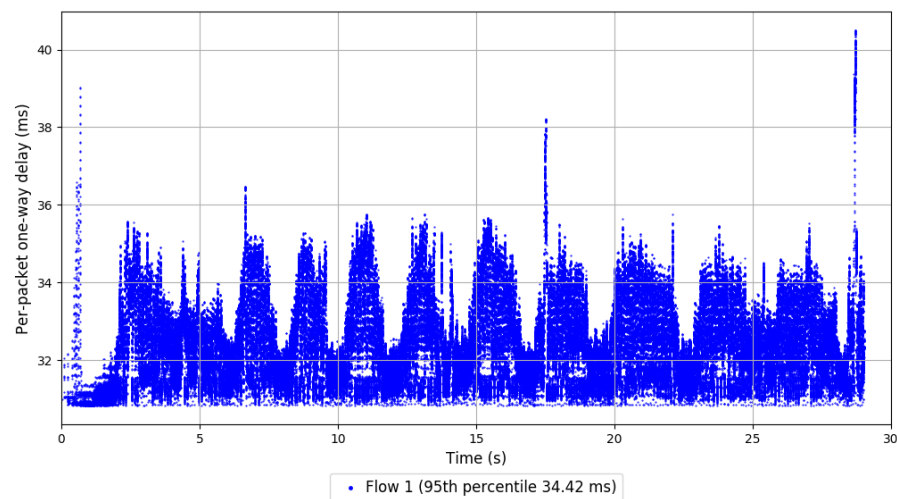
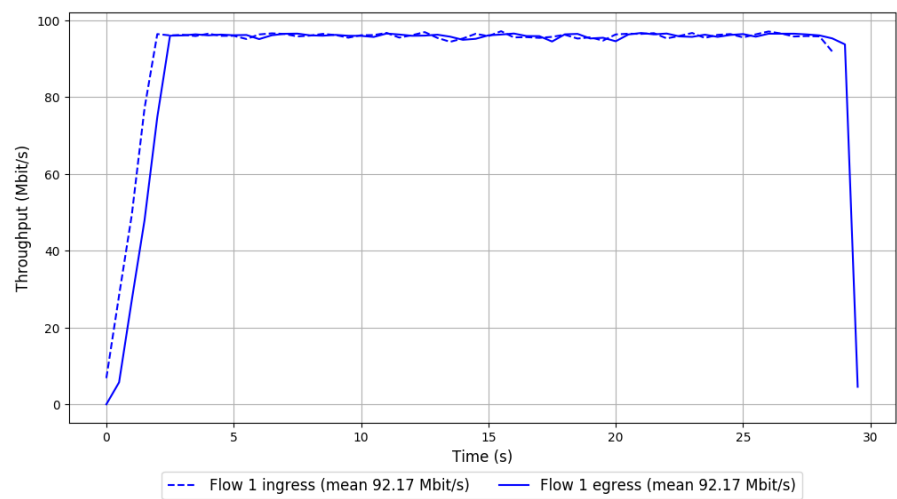


Run 4: Statistics of Indigo-MusesD

Start at: 2019-01-18 20:19:26  
End at: 2019-01-18 20:19:56  
Local clock offset: 0.117 ms  
Remote clock offset: -1.364 ms

# Below is generated by plot.py at 2019-01-18 21:06:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 92.17 Mbit/s  
95th percentile per-packet one-way delay: 34.425 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 92.17 Mbit/s  
95th percentile per-packet one-way delay: 34.425 ms  
Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link



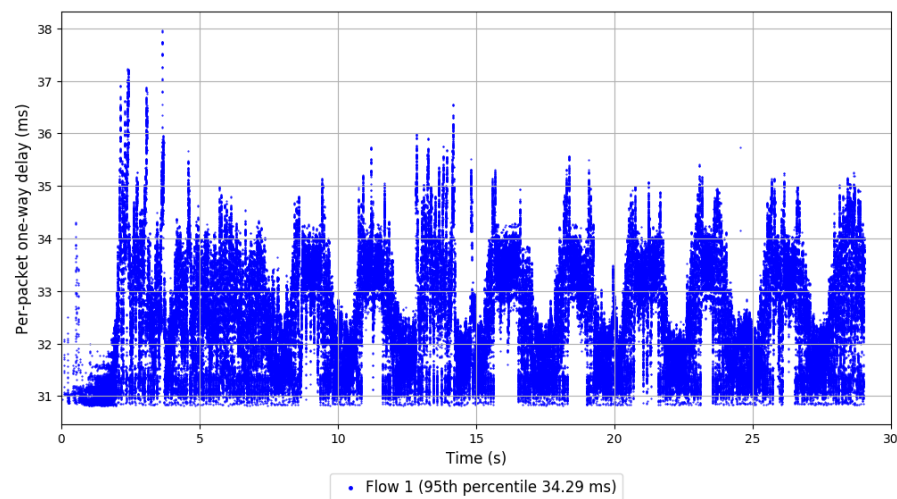
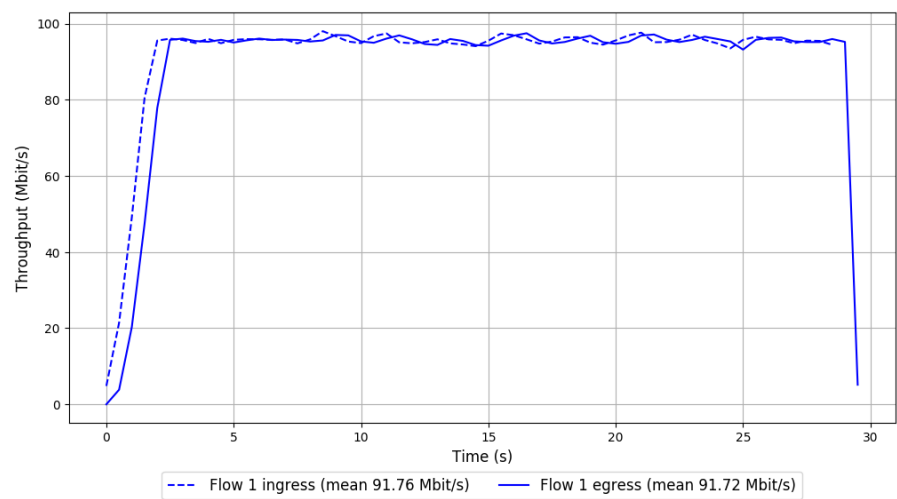


Run 5: Statistics of Indigo-MusesD

Start at: 2019-01-18 20:45:48  
End at: 2019-01-18 20:46:18  
Local clock offset: -0.204 ms  
Remote clock offset: -1.817 ms

# Below is generated by plot.py at 2019-01-18 21:06:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.72 Mbit/s  
95th percentile per-packet one-way delay: 34.293 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 91.72 Mbit/s  
95th percentile per-packet one-way delay: 34.293 ms  
Loss rate: 0.03%

Run 5: Report of Indigo-MusesD — Data Link



Run 1: Statistics of Indigo-MusesT

Start at: 2019-01-18 19:07:33

End at: 2019-01-18 19:08:03

Local clock offset: -0.241 ms

Remote clock offset: -2.288 ms

# Below is generated by plot.py at 2019-01-18 21:07:34

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: 39.670 ms

Loss rate: 0.45%

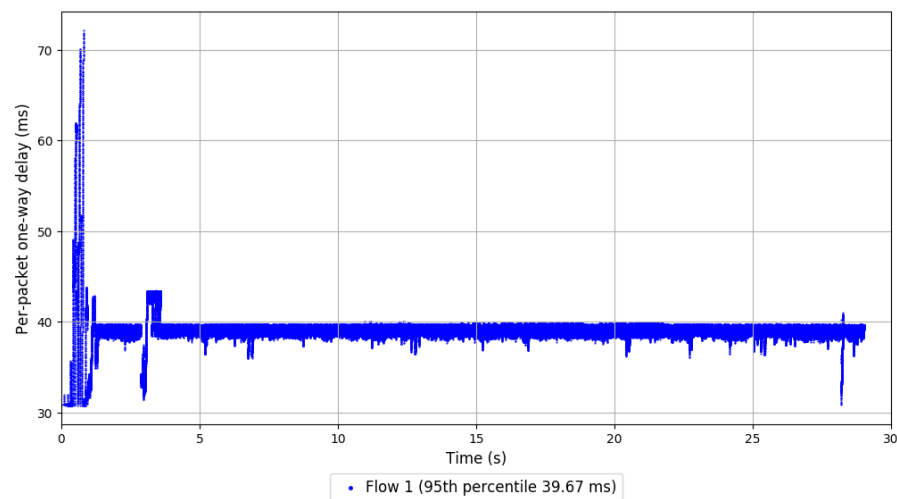
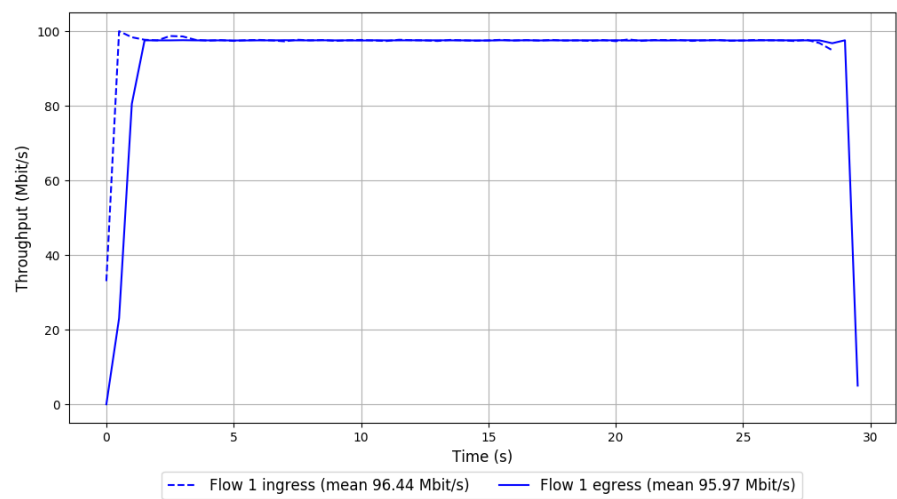
-- Flow 1:

Average throughput: 95.97 Mbit/s

95th percentile per-packet one-way delay: 39.670 ms

Loss rate: 0.45%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-01-18 19:33:26

End at: 2019-01-18 19:33:56

Local clock offset: -0.338 ms

Remote clock offset: -1.77 ms

# Below is generated by plot.py at 2019-01-18 21:07:37

# Datalink statistics

-- Total of 1 flow:

Average throughput: 95.72 Mbit/s

95th percentile per-packet one-way delay: 39.691 ms

Loss rate: 0.56%

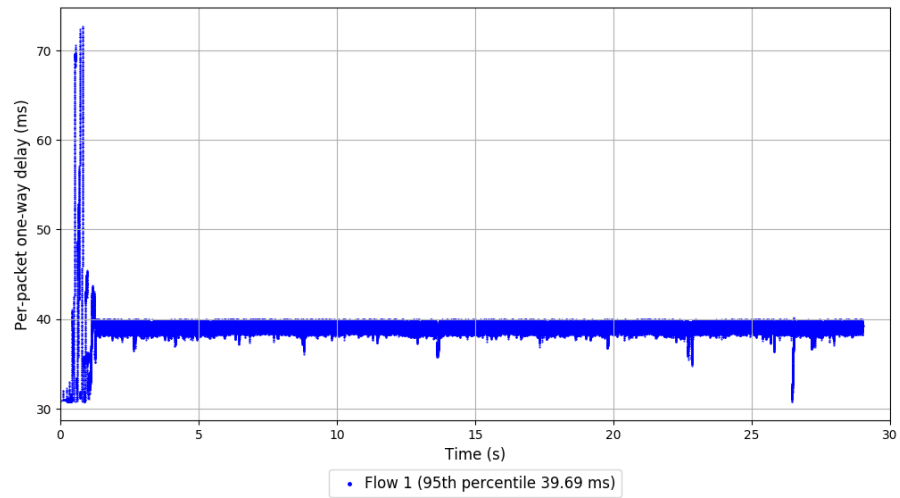
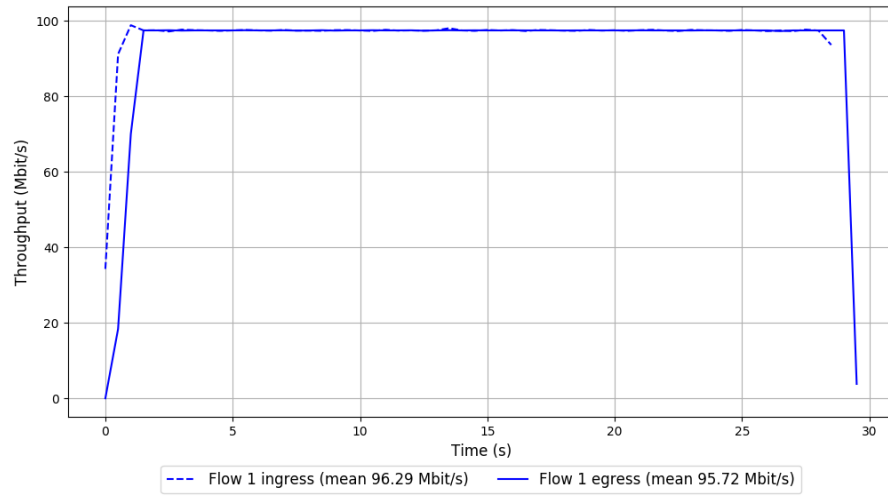
-- Flow 1:

Average throughput: 95.72 Mbit/s

95th percentile per-packet one-way delay: 39.691 ms

Loss rate: 0.56%

## Run 2: Report of Indigo-MusesT — Data Link



Run 3: Statistics of Indigo-MusesT

Start at: 2019-01-18 19:59:45

End at: 2019-01-18 20:00:15

Local clock offset: 0.014 ms

Remote clock offset: -1.507 ms

# Below is generated by plot.py at 2019-01-18 21:07:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.10 Mbit/s

95th percentile per-packet one-way delay: 39.677 ms

Loss rate: 0.39%

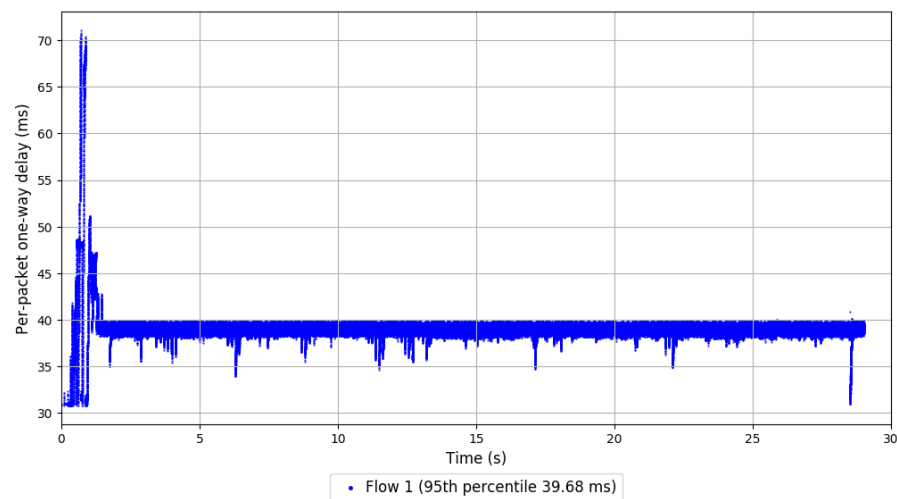
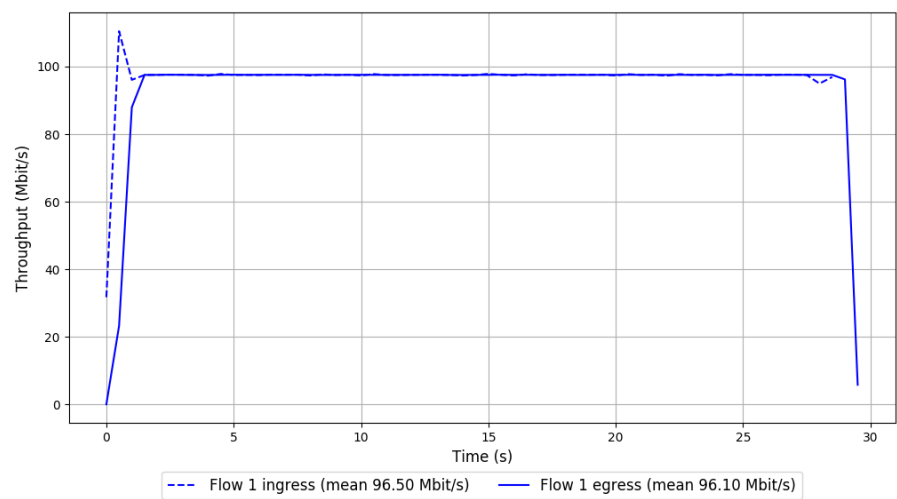
-- Flow 1:

Average throughput: 96.10 Mbit/s

95th percentile per-packet one-way delay: 39.677 ms

Loss rate: 0.39%

Run 3: Report of Indigo-MusesT — Data Link



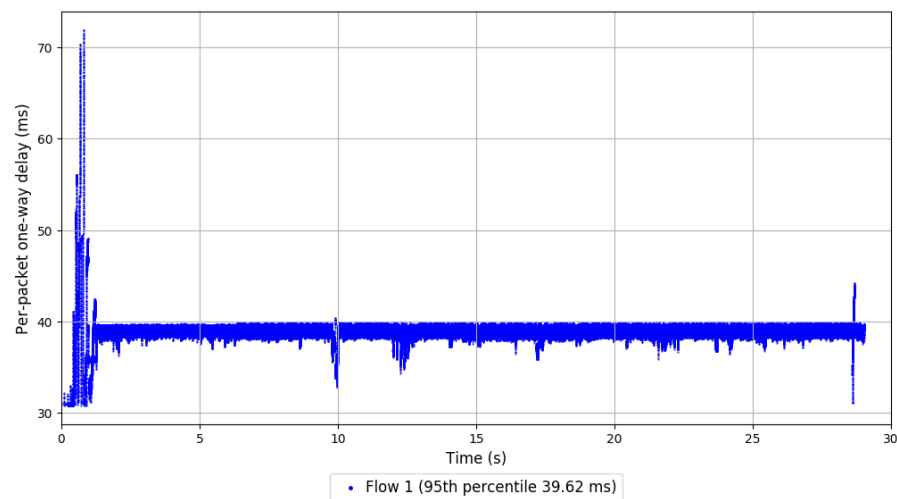
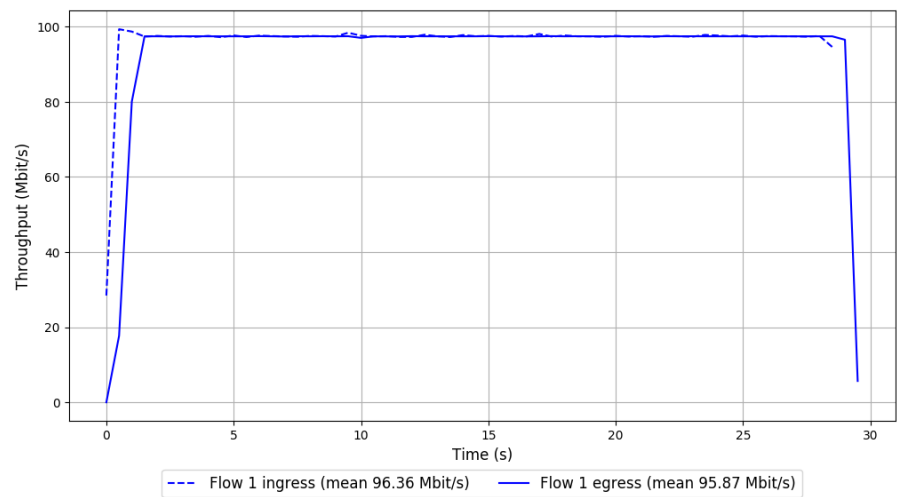


Run 4: Statistics of Indigo-MusesT

Start at: 2019-01-18 20:25:45  
End at: 2019-01-18 20:26:15  
Local clock offset: -0.068 ms  
Remote clock offset: -1.534 ms

# Below is generated by plot.py at 2019-01-18 21:07:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 95.87 Mbit/s  
95th percentile per-packet one-way delay: 39.624 ms  
Loss rate: 0.48%  
-- Flow 1:  
Average throughput: 95.87 Mbit/s  
95th percentile per-packet one-way delay: 39.624 ms  
Loss rate: 0.48%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-01-18 20:52:14

End at: 2019-01-18 20:52:44

Local clock offset: -0.269 ms

Remote clock offset: -1.86 ms

# Below is generated by plot.py at 2019-01-18 21:07:43

# Datalink statistics

-- Total of 1 flow:

Average throughput: 96.18 Mbit/s

95th percentile per-packet one-way delay: 39.673 ms

Loss rate: 0.35%

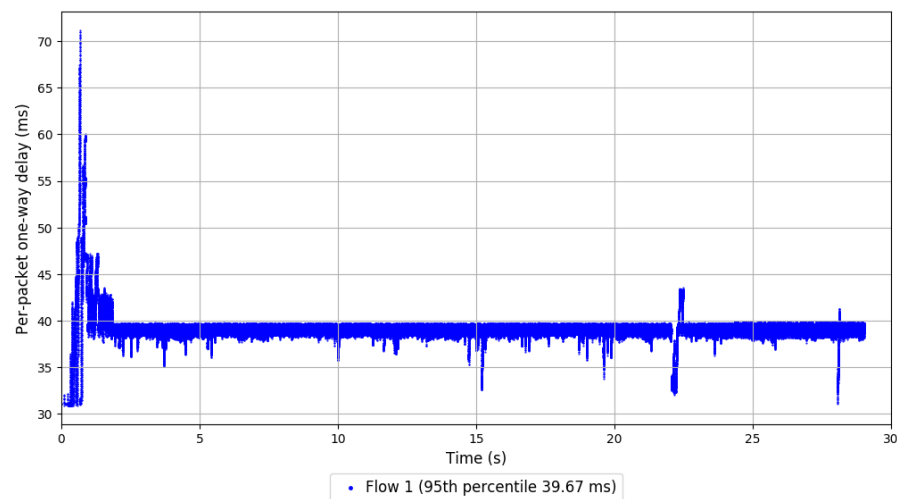
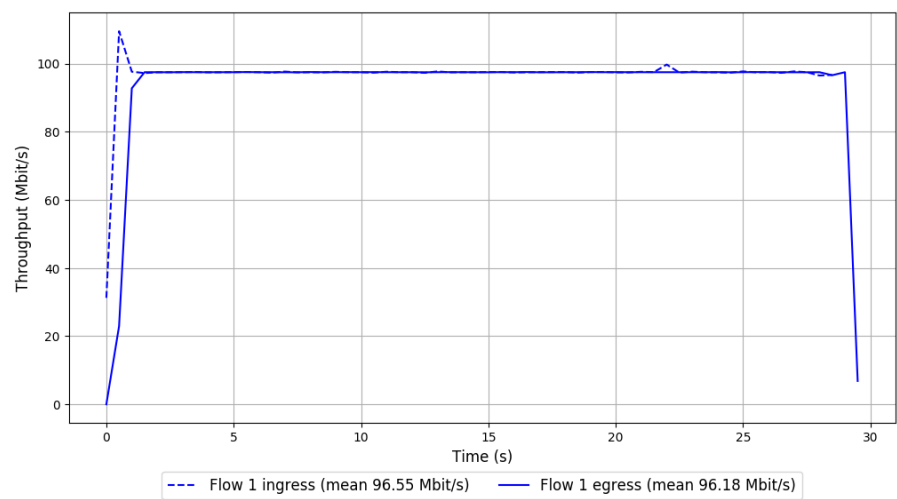
-- Flow 1:

Average throughput: 96.18 Mbit/s

95th percentile per-packet one-way delay: 39.673 ms

Loss rate: 0.35%

Run 5: Report of Indigo-MusesT — Data Link

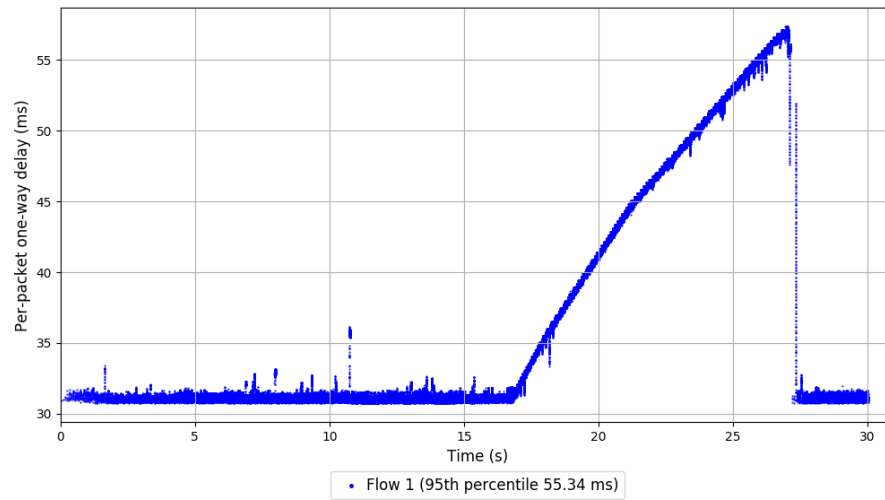
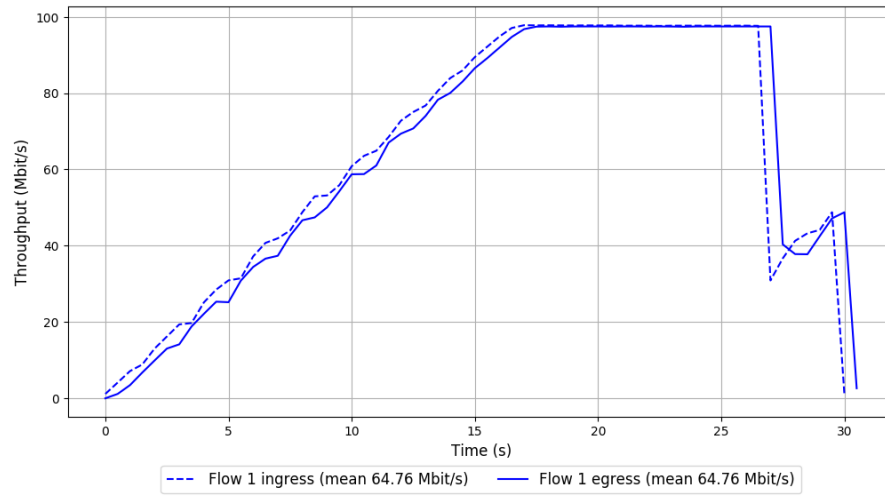


```
Run 1: Statistics of LEDBAT

Start at: 2019-01-18 19:12:32
End at: 2019-01-18 19:13:02
Local clock offset: -0.231 ms
Remote clock offset: -2.298 ms

# Below is generated by plot.py at 2019-01-18 21:07:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.76 Mbit/s
95th percentile per-packet one-way delay: 55.338 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 64.76 Mbit/s
95th percentile per-packet one-way delay: 55.338 ms
Loss rate: 0.01%
```

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

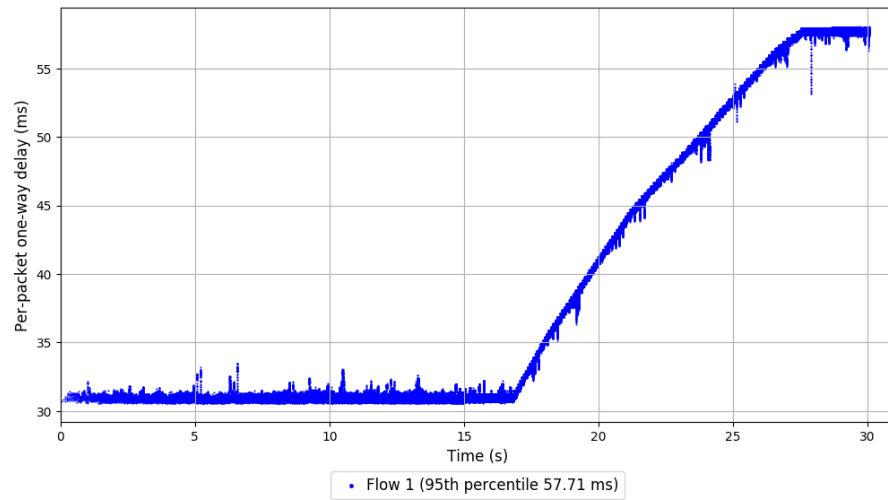
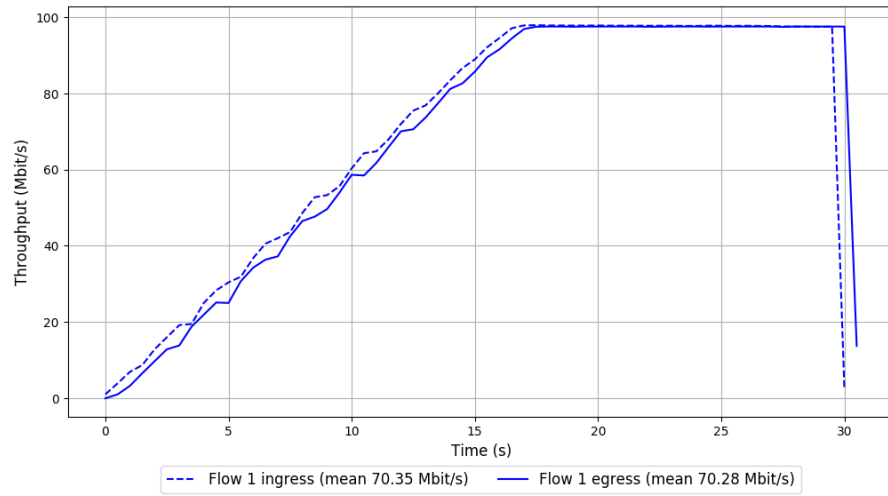


Run 2: Statistics of LEDBAT

Start at: 2019-01-18 19:38:29  
End at: 2019-01-18 19:38:59  
Local clock offset: -0.329 ms  
Remote clock offset: -1.936 ms

# Below is generated by plot.py at 2019-01-18 21:07:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 70.28 Mbit/s  
95th percentile per-packet one-way delay: 57.714 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 70.28 Mbit/s  
95th percentile per-packet one-way delay: 57.714 ms  
Loss rate: 0.00%

## Run 2: Report of LEDBAT — Data Link



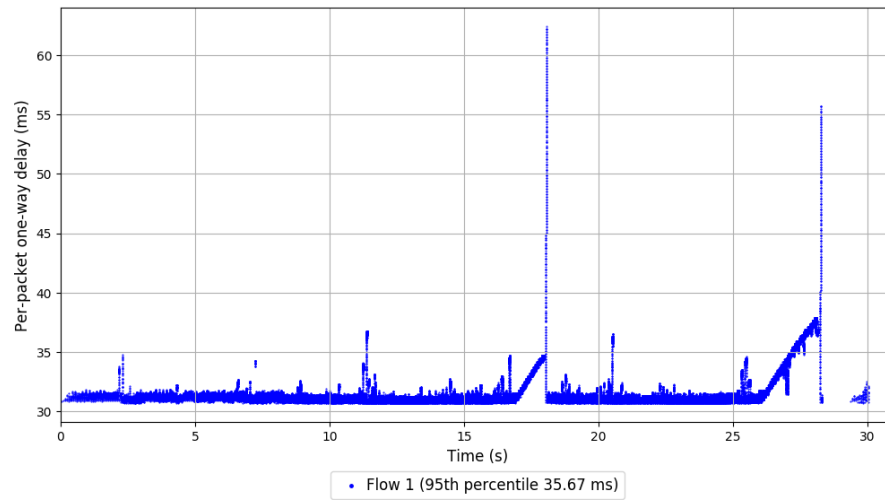
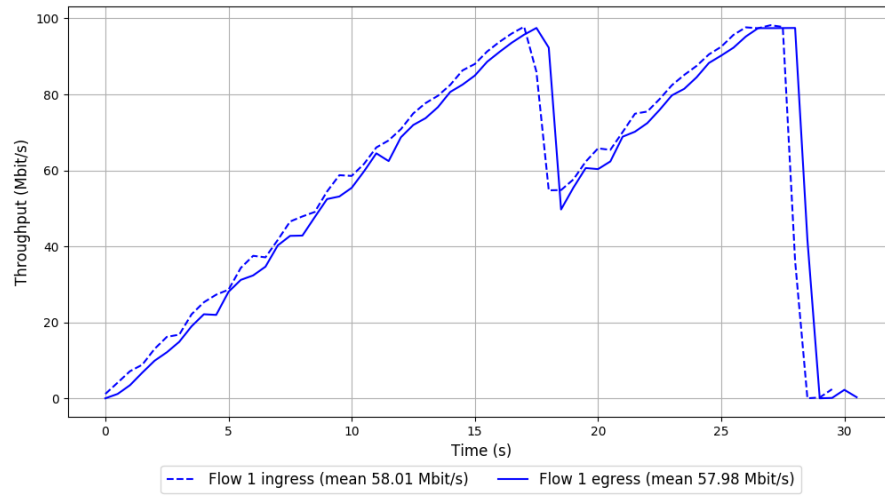


Run 3: Statistics of LEDBAT

Start at: 2019-01-18 20:04:34  
End at: 2019-01-18 20:05:04  
Local clock offset: 0.071 ms  
Remote clock offset: -1.638 ms

# Below is generated by plot.py at 2019-01-18 21:07:43  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 57.98 Mbit/s  
95th percentile per-packet one-way delay: 35.675 ms  
Loss rate: 0.05%  
-- Flow 1:  
Average throughput: 57.98 Mbit/s  
95th percentile per-packet one-way delay: 35.675 ms  
Loss rate: 0.05%

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

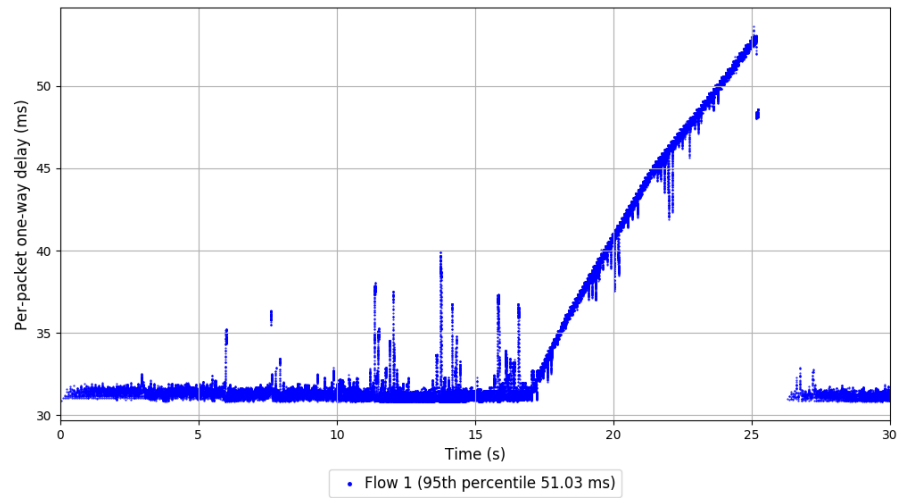
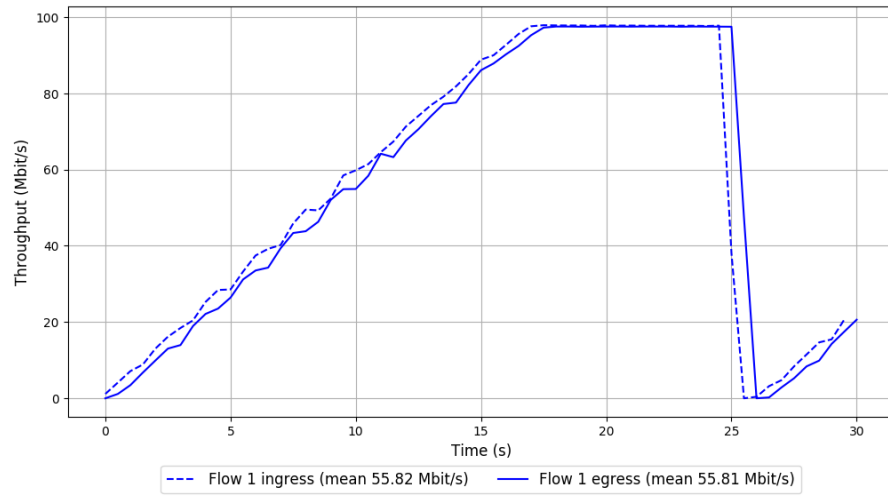


Run 4: Statistics of LEDBAT

Start at: 2019-01-18 20:30:51  
End at: 2019-01-18 20:31:21  
Local clock offset: -0.144 ms  
Remote clock offset: -1.662 ms

# Below is generated by plot.py at 2019-01-18 21:08:04  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 55.81 Mbit/s  
95th percentile per-packet one-way delay: 51.032 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 55.81 Mbit/s  
95th percentile per-packet one-way delay: 51.032 ms  
Loss rate: 0.03%

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

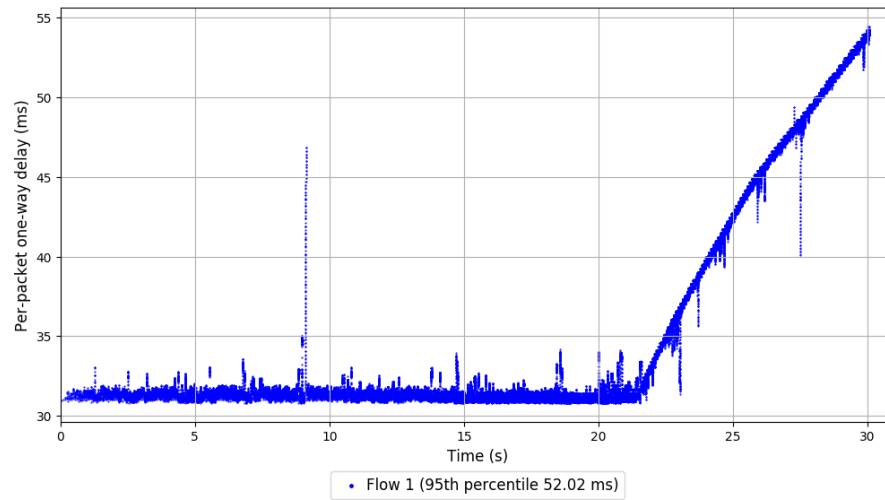
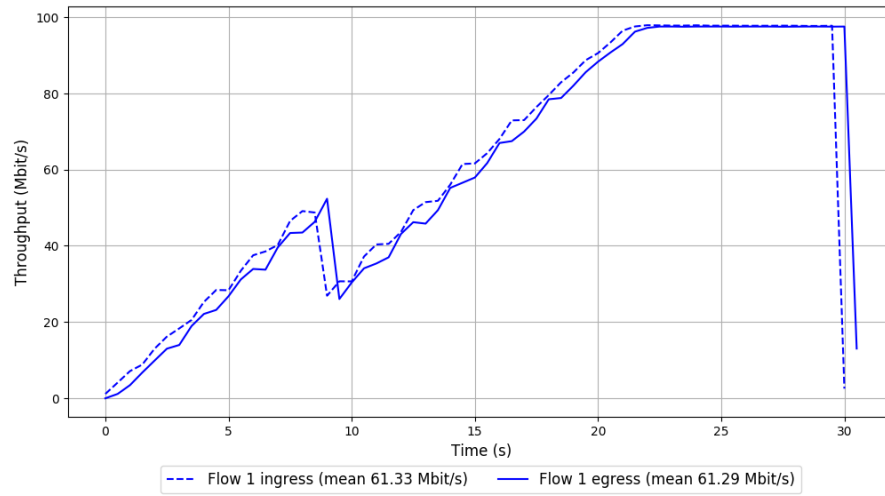


Run 5: Statistics of LEDBAT

Start at: 2019-01-18 20:57:28  
End at: 2019-01-18 20:57:58  
Local clock offset: -0.325 ms  
Remote clock offset: -1.883 ms

# Below is generated by plot.py at 2019-01-18 21:08:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 61.29 Mbit/s  
95th percentile per-packet one-way delay: 52.017 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 61.29 Mbit/s  
95th percentile per-packet one-way delay: 52.017 ms  
Loss rate: 0.00%

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



Run 1: Statistics of PCC-Allegro

Start at: 2019-01-18 18:52:59

End at: 2019-01-18 18:53:29

Local clock offset: 0.011 ms

Remote clock offset: -2.492 ms

# Below is generated by plot.py at 2019-01-18 21:08:40

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.60 Mbit/s

95th percentile per-packet one-way delay: 34.481 ms

Loss rate: 0.75%

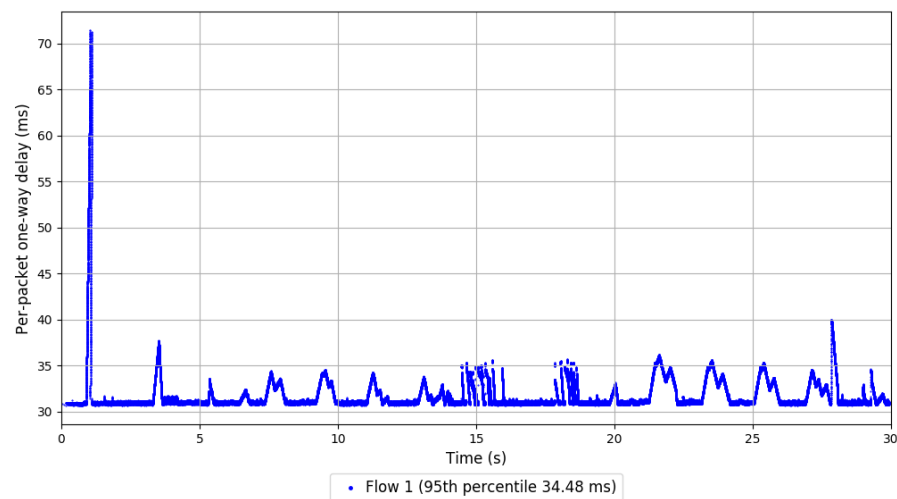
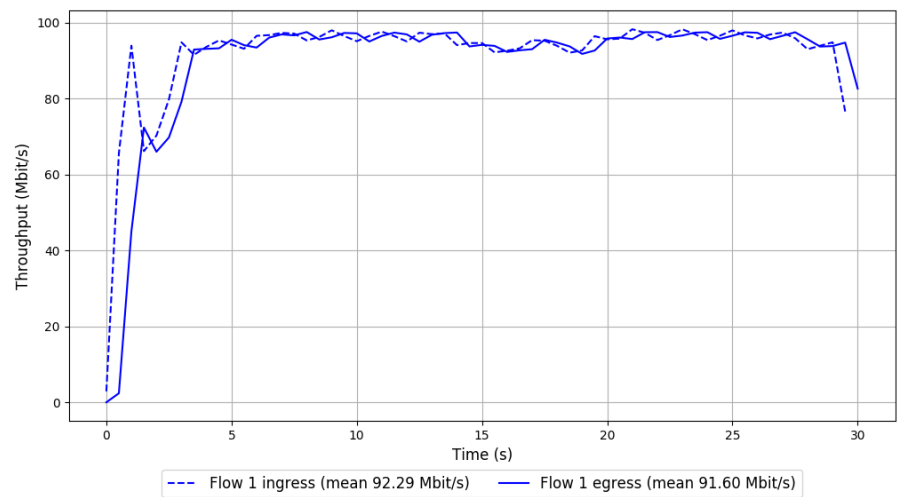
-- Flow 1:

Average throughput: 91.60 Mbit/s

95th percentile per-packet one-way delay: 34.481 ms

Loss rate: 0.75%

Run 1: Report of PCC-Allegro — Data Link



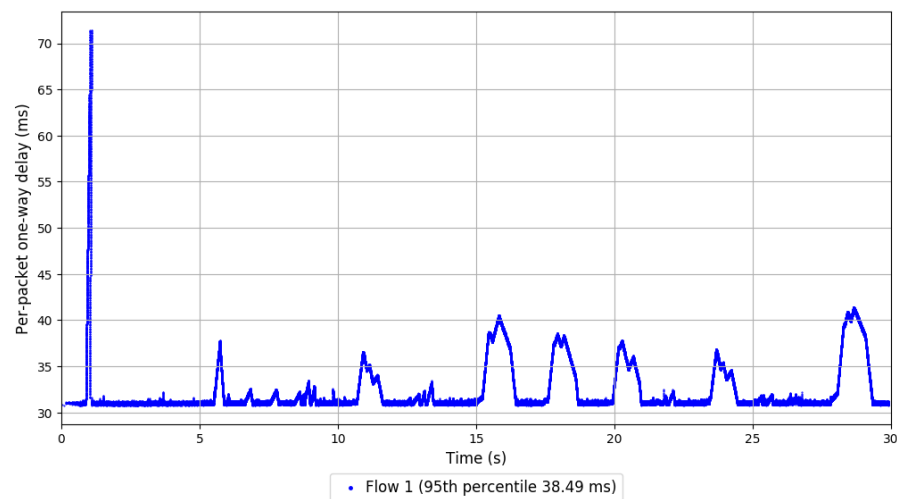
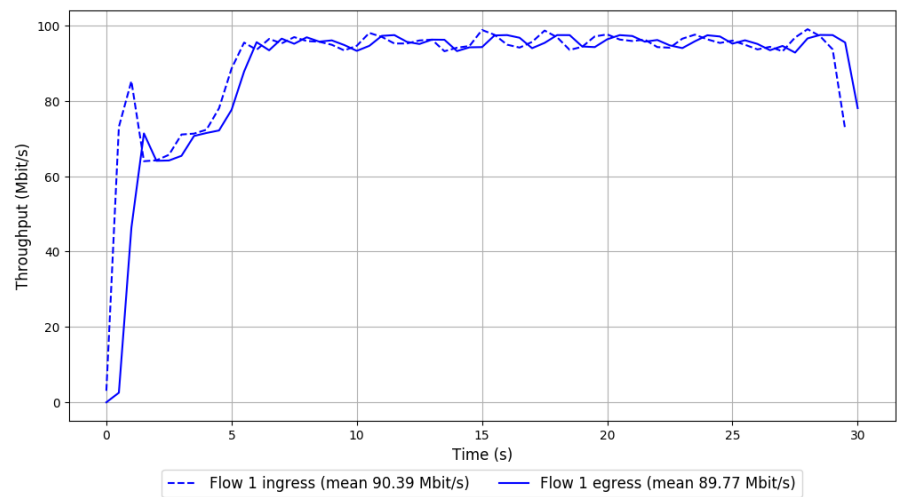


Run 2: Statistics of PCC-Allegro

Start at: 2019-01-18 19:18:36  
End at: 2019-01-18 19:19:06  
Local clock offset: -0.236 ms  
Remote clock offset: -1.958 ms

# Below is generated by plot.py at 2019-01-18 21:08:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 89.77 Mbit/s  
95th percentile per-packet one-way delay: 38.491 ms  
Loss rate: 0.69%  
-- Flow 1:  
Average throughput: 89.77 Mbit/s  
95th percentile per-packet one-way delay: 38.491 ms  
Loss rate: 0.69%

Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

Start at: 2019-01-18 19:44:46

End at: 2019-01-18 19:45:16

Local clock offset: -0.296 ms

Remote clock offset: -1.649 ms

# Below is generated by plot.py at 2019-01-18 21:08:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.26 Mbit/s

95th percentile per-packet one-way delay: 37.094 ms

Loss rate: 0.69%

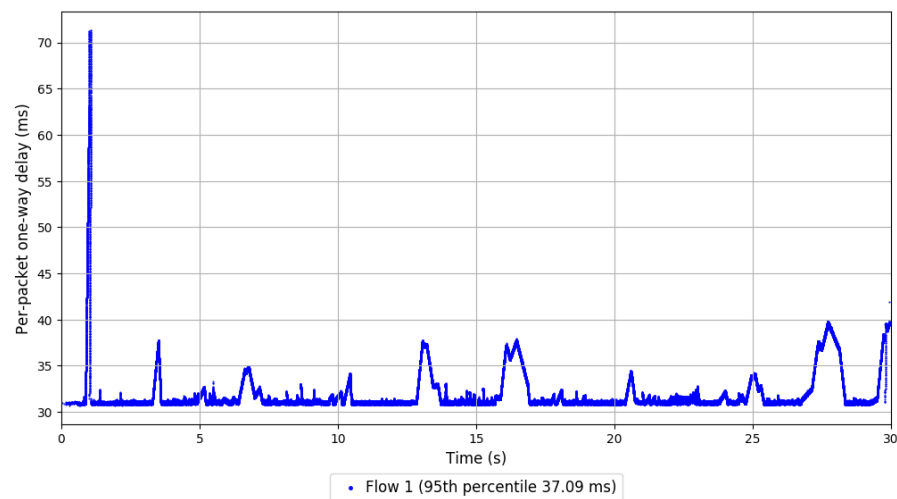
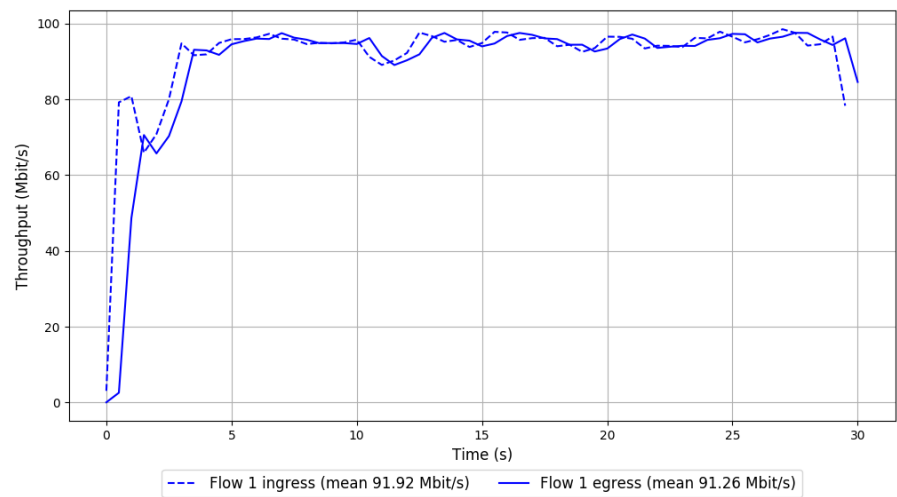
-- Flow 1:

Average throughput: 91.26 Mbit/s

95th percentile per-packet one-way delay: 37.094 ms

Loss rate: 0.69%

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-01-18 20:10:44

End at: 2019-01-18 20:11:14

Local clock offset: 0.186 ms

Remote clock offset: -1.361 ms

# Below is generated by plot.py at 2019-01-18 21:08:49

# Datalink statistics

-- Total of 1 flow:

Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 34.030 ms

Loss rate: 0.68%

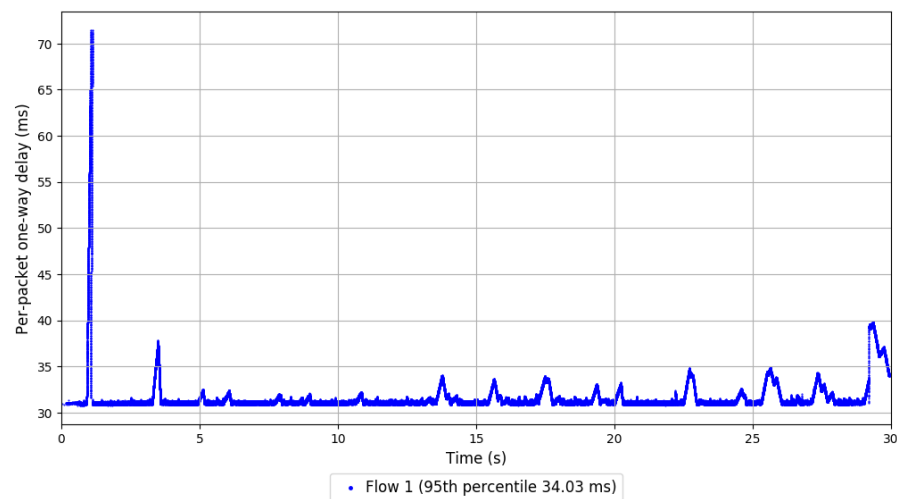
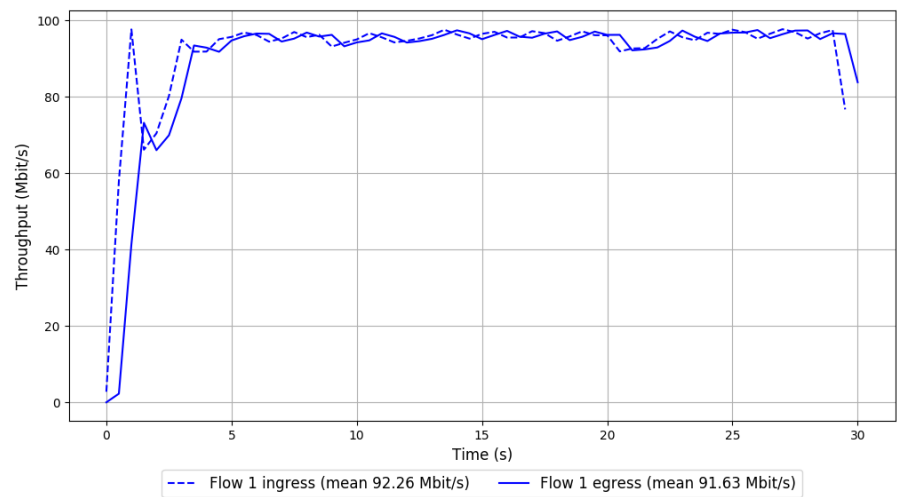
-- Flow 1:

Average throughput: 91.63 Mbit/s

95th percentile per-packet one-way delay: 34.030 ms

Loss rate: 0.68%

Run 4: Report of PCC-Allegro — Data Link

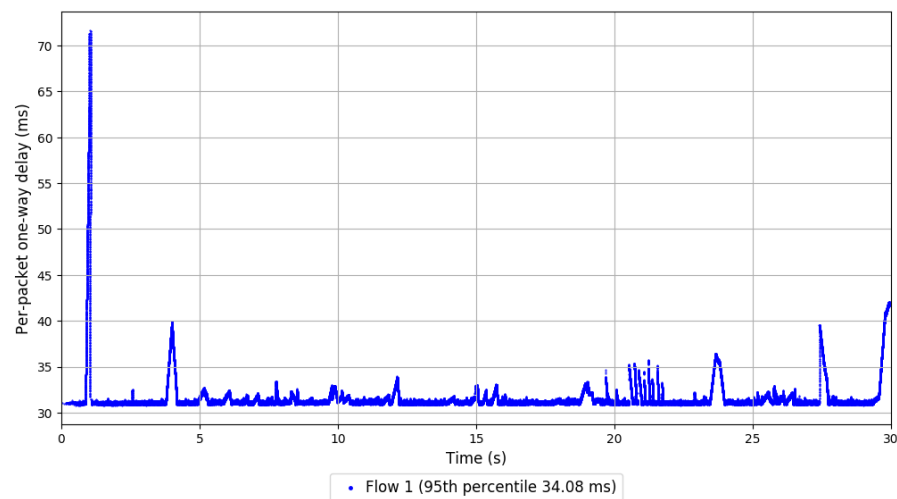
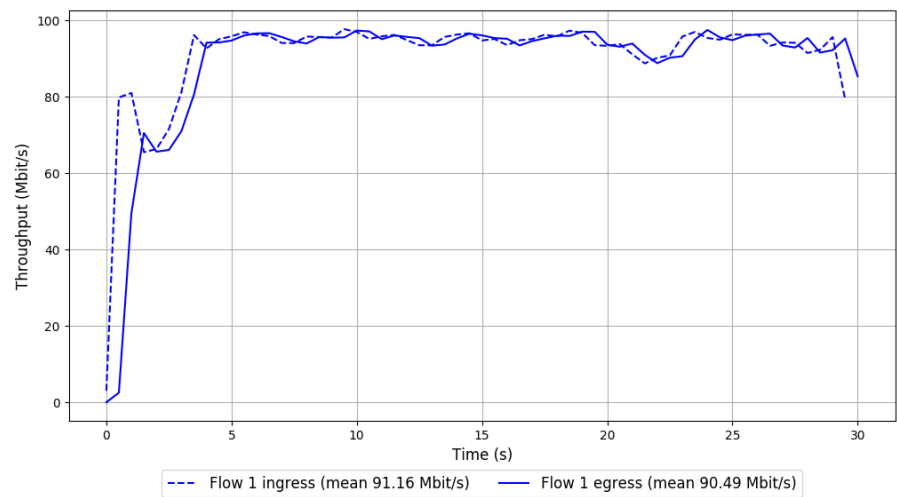


Run 5: Statistics of PCC-Allegro

Start at: 2019-01-18 20:37:09  
End at: 2019-01-18 20:37:39  
Local clock offset: -0.198 ms  
Remote clock offset: -1.723 ms

# Below is generated by plot.py at 2019-01-18 21:08:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.49 Mbit/s  
95th percentile per-packet one-way delay: 34.075 ms  
Loss rate: 0.70%  
-- Flow 1:  
Average throughput: 90.49 Mbit/s  
95th percentile per-packet one-way delay: 34.075 ms  
Loss rate: 0.70%

Run 5: Report of PCC-Allegro — Data Link





Run 1: Statistics of PCC-Expr

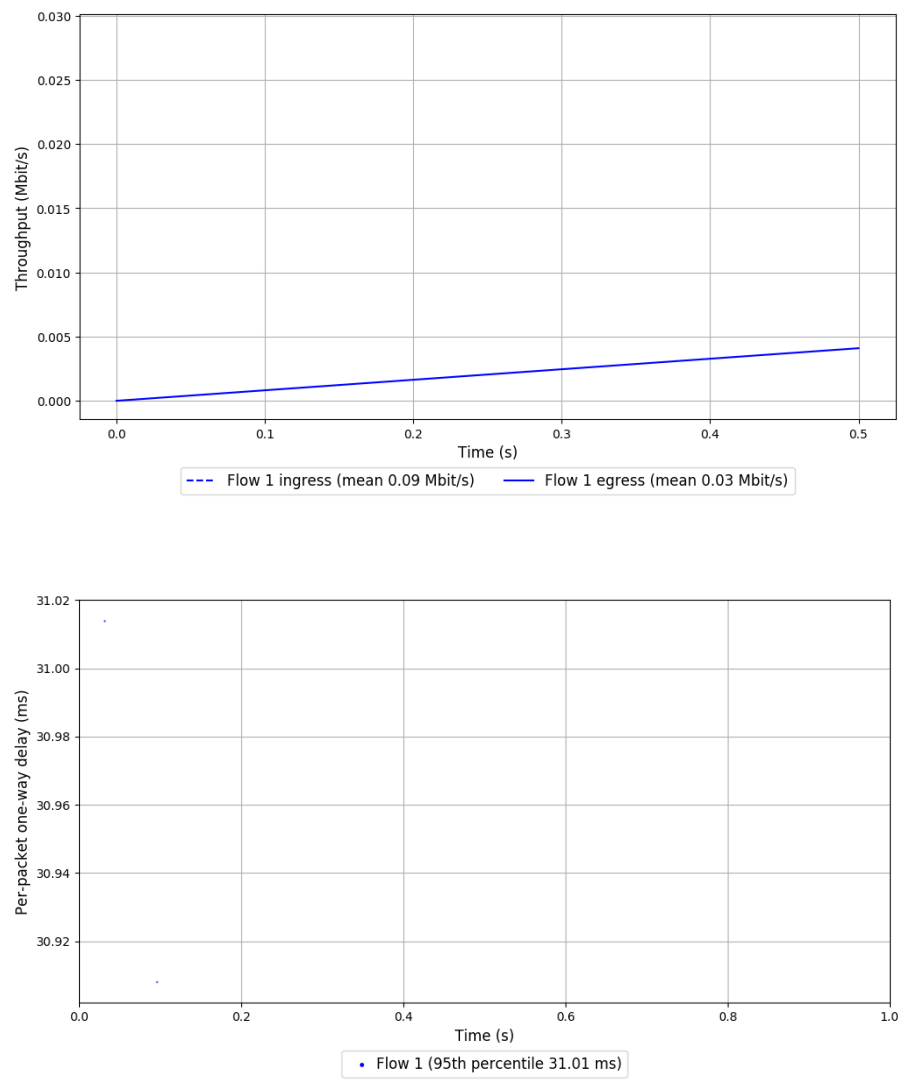
Start at: 2019-01-18 19:02:28

End at: 2019-01-18 19:02:58

Local clock offset: -0.235 ms

Remote clock offset: -2.373 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

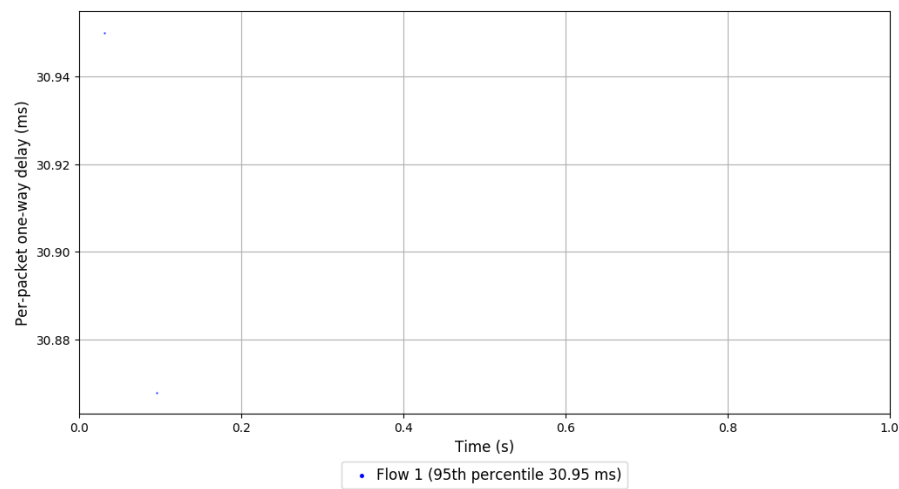
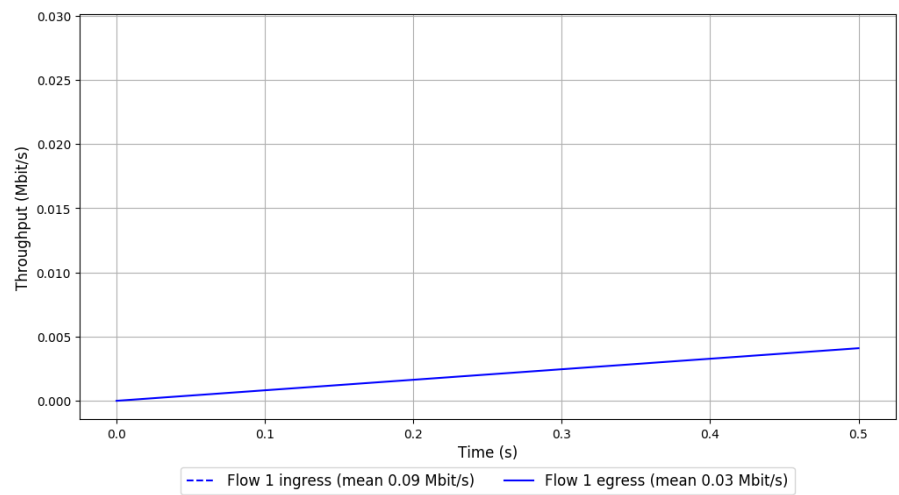
Start at: 2019-01-18 19:28:21

End at: 2019-01-18 19:28:51

Local clock offset: -0.341 ms

Remote clock offset: -1.824 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

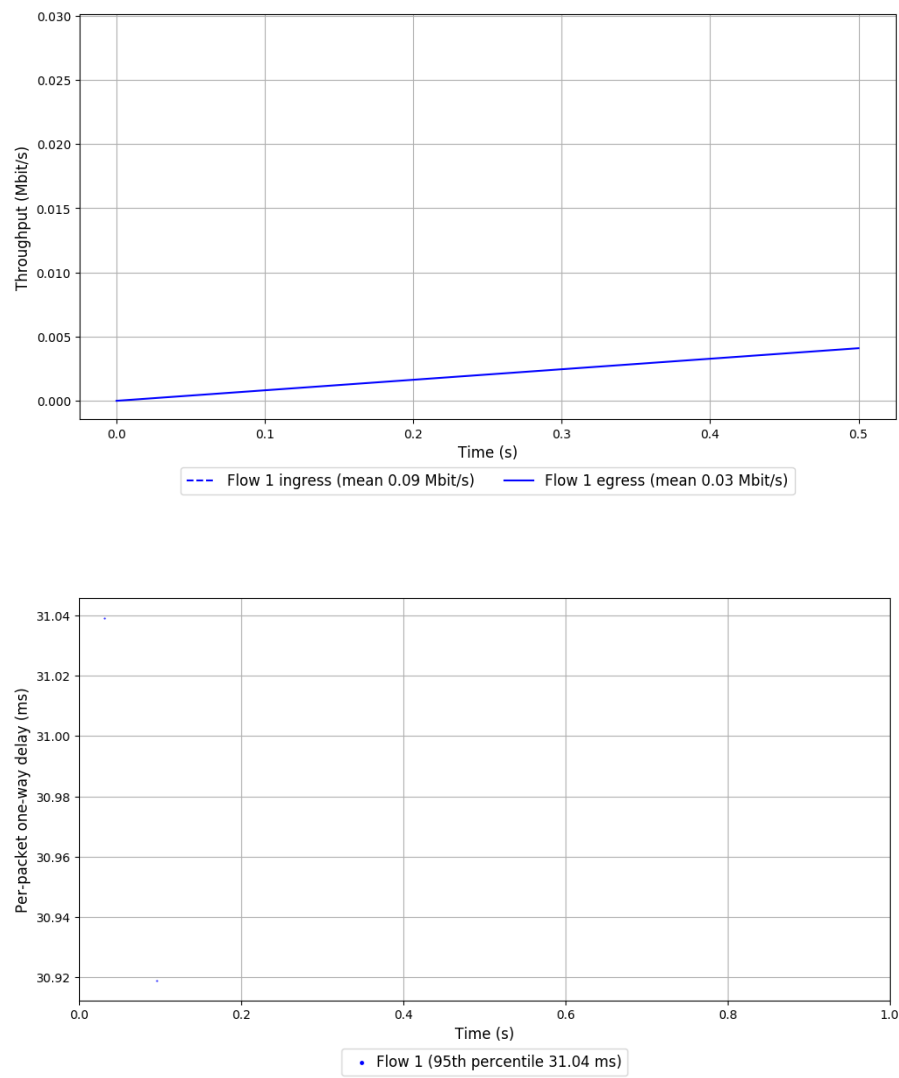
Start at: 2019-01-18 19:54:48

End at: 2019-01-18 19:55:18

Local clock offset: -0.076 ms

Remote clock offset: -1.523 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

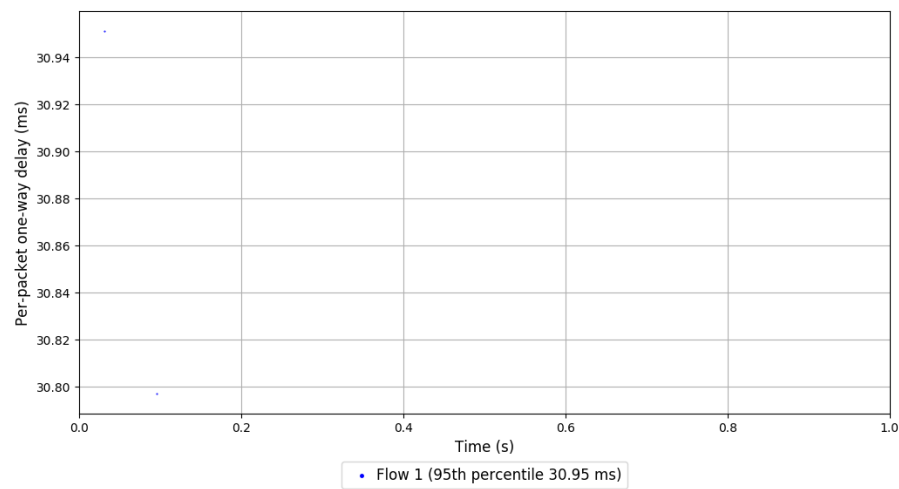
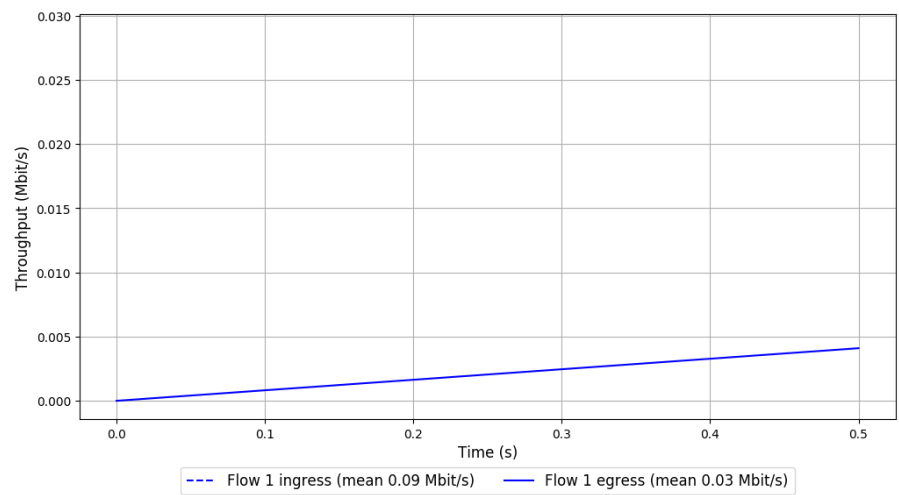
Start at: 2019-01-18 20:20:42

End at: 2019-01-18 20:21:12

Local clock offset: 0.079 ms

Remote clock offset: -1.431 ms

Run 4: Report of PCC-Expr — Data Link





Run 5: Statistics of PCC-Expr

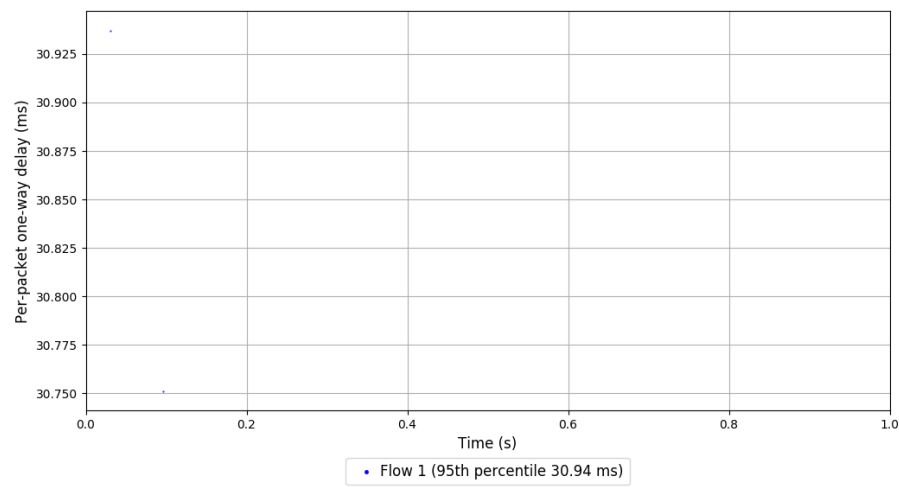
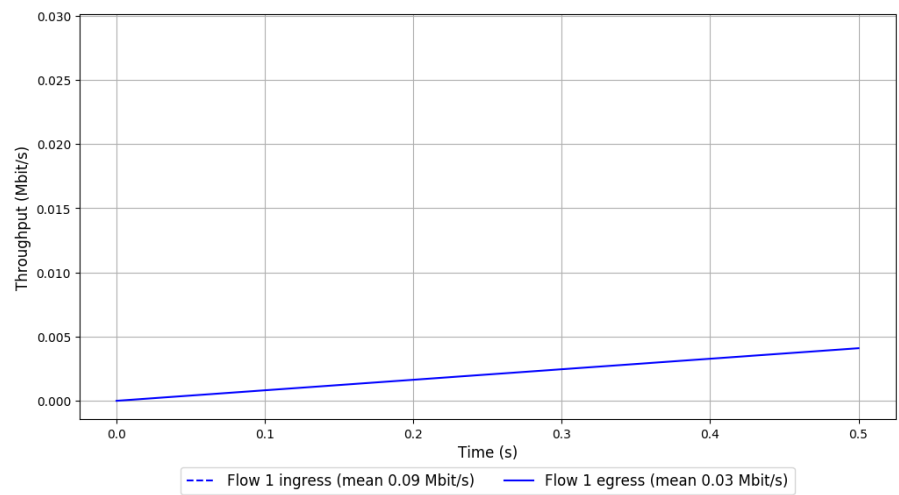
Start at: 2019-01-18 20:47:08

End at: 2019-01-18 20:47:38

Local clock offset: -0.189 ms

Remote clock offset: -1.857 ms

Run 5: Report of PCC-Expr — Data Link

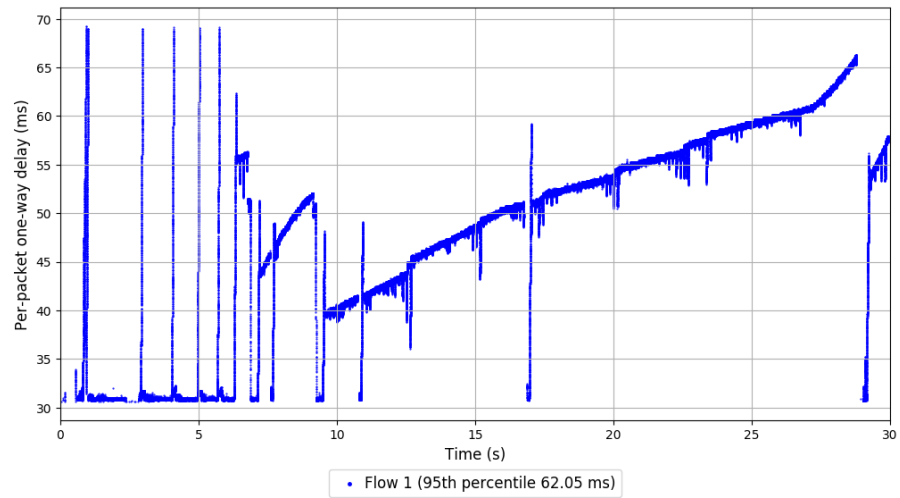
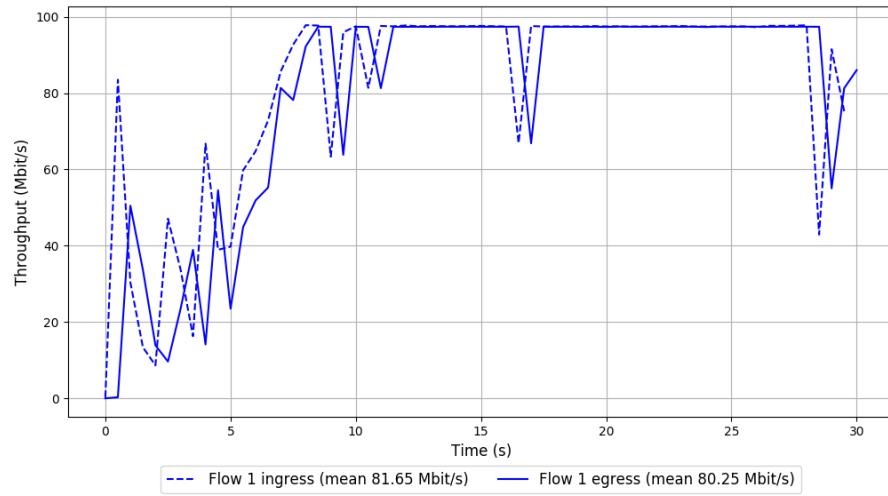


Run 1: Statistics of QUIC Cubic

Start at: 2019-01-18 19:10:11  
End at: 2019-01-18 19:10:41  
Local clock offset: -0.229 ms  
Remote clock offset: -2.207 ms

# Below is generated by plot.py at 2019-01-18 21:08:50  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 80.25 Mbit/s  
95th percentile per-packet one-way delay: 62.050 ms  
Loss rate: 1.63%  
-- Flow 1:  
Average throughput: 80.25 Mbit/s  
95th percentile per-packet one-way delay: 62.050 ms  
Loss rate: 1.63%

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



Run 2: Statistics of QUIC Cubic

Start at: 2019-01-18 19:36:09

End at: 2019-01-18 19:36:39

Local clock offset: -0.326 ms

Remote clock offset: -1.94 ms

# Below is generated by plot.py at 2019-01-18 21:09:11

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.73 Mbit/s

95th percentile per-packet one-way delay: 68.256 ms

Loss rate: 1.91%

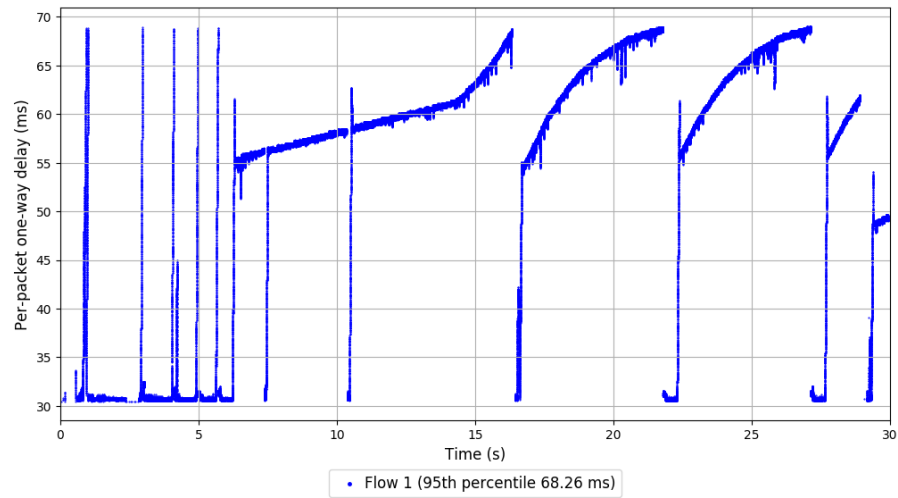
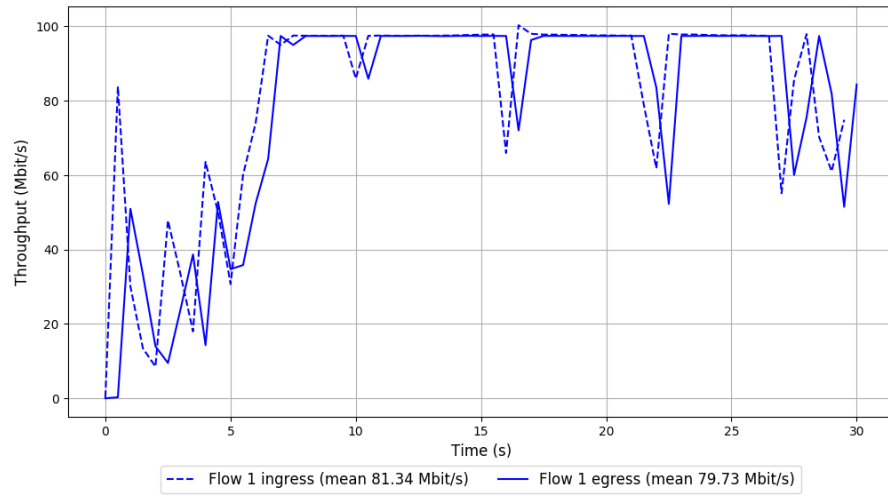
-- Flow 1:

Average throughput: 79.73 Mbit/s

95th percentile per-packet one-way delay: 68.256 ms

Loss rate: 1.91%

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



Run 3: Statistics of QUIC Cubic

Start at: 2019-01-18 20:02:09

End at: 2019-01-18 20:02:39

Local clock offset: 0.055 ms

Remote clock offset: -1.495 ms

# Below is generated by plot.py at 2019-01-18 21:09:21

# Datalink statistics

-- Total of 1 flow:

Average throughput: 79.84 Mbit/s

95th percentile per-packet one-way delay: 65.748 ms

Loss rate: 1.79%

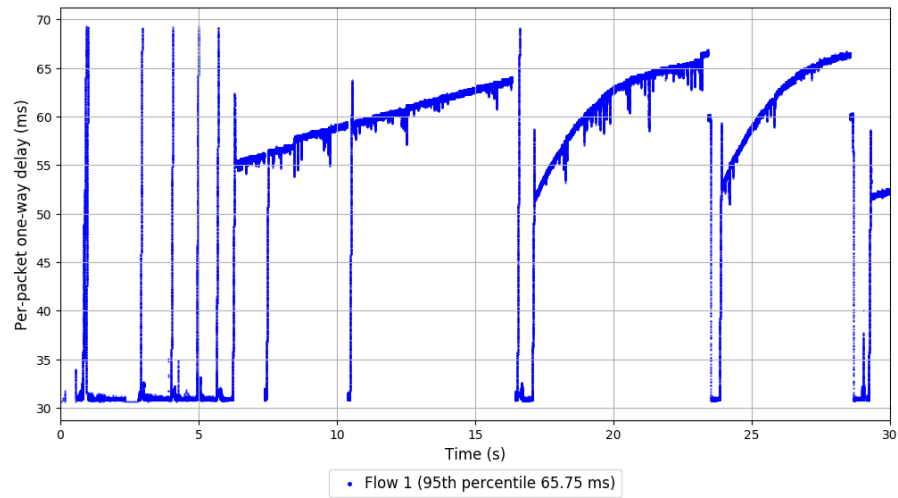
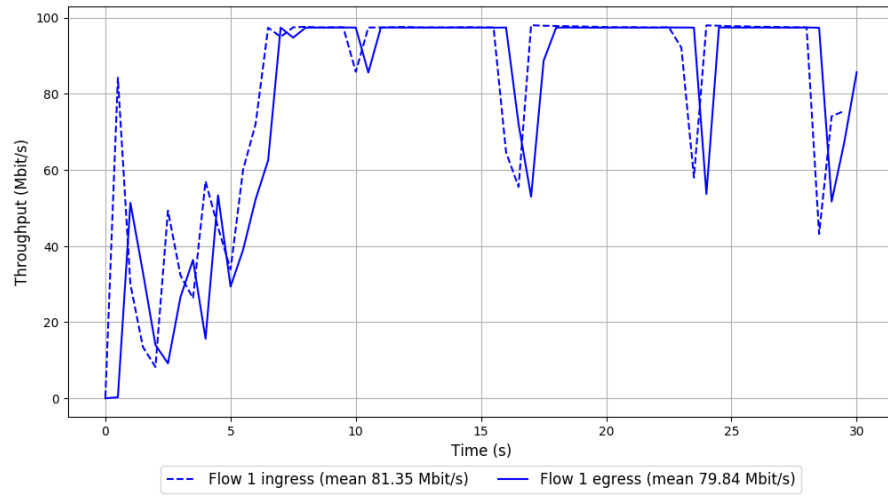
-- Flow 1:

Average throughput: 79.84 Mbit/s

95th percentile per-packet one-way delay: 65.748 ms

Loss rate: 1.79%

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



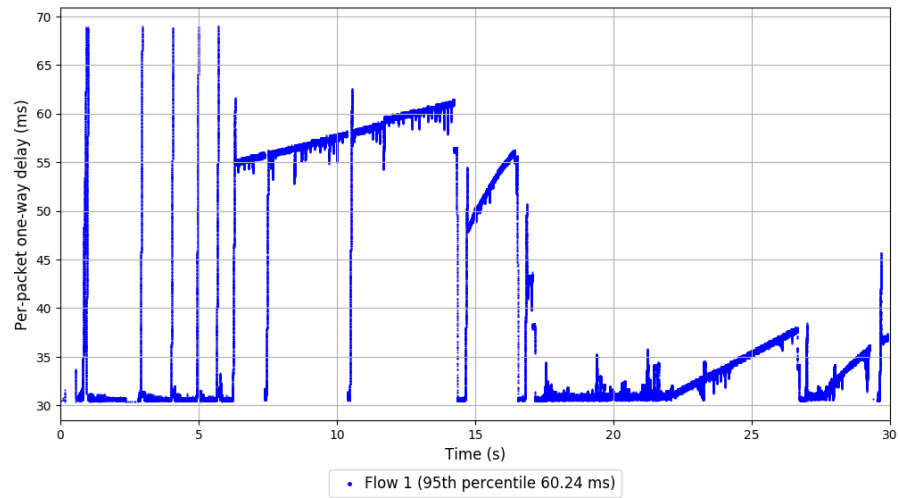
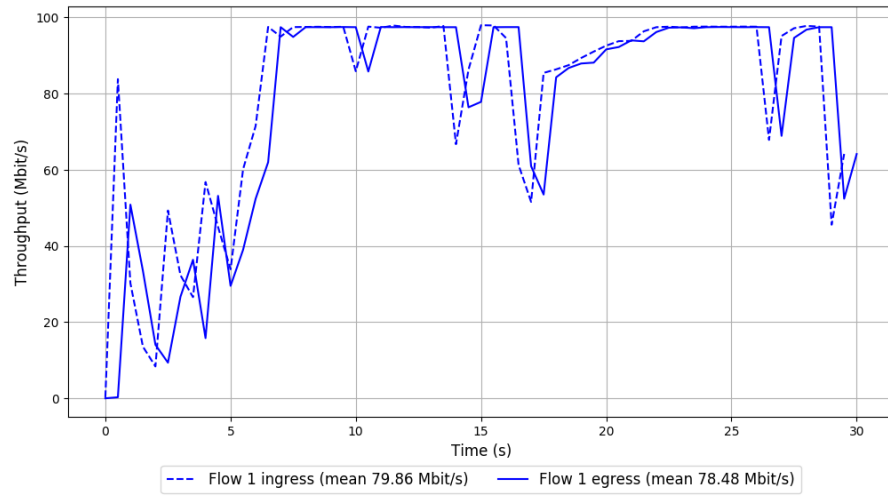


Run 4: Statistics of QUIC Cubic

Start at: 2019-01-18 20:28:19  
End at: 2019-01-18 20:28:49  
Local clock offset: -0.11 ms  
Remote clock offset: -1.804 ms

# Below is generated by plot.py at 2019-01-18 21:09:41  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 78.48 Mbit/s  
95th percentile per-packet one-way delay: 60.243 ms  
Loss rate: 1.70%  
-- Flow 1:  
Average throughput: 78.48 Mbit/s  
95th percentile per-packet one-way delay: 60.243 ms  
Loss rate: 1.70%

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

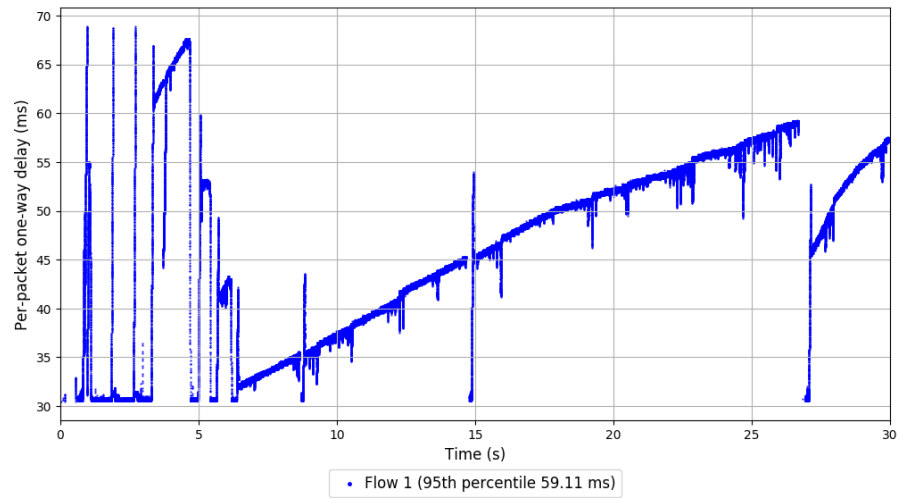
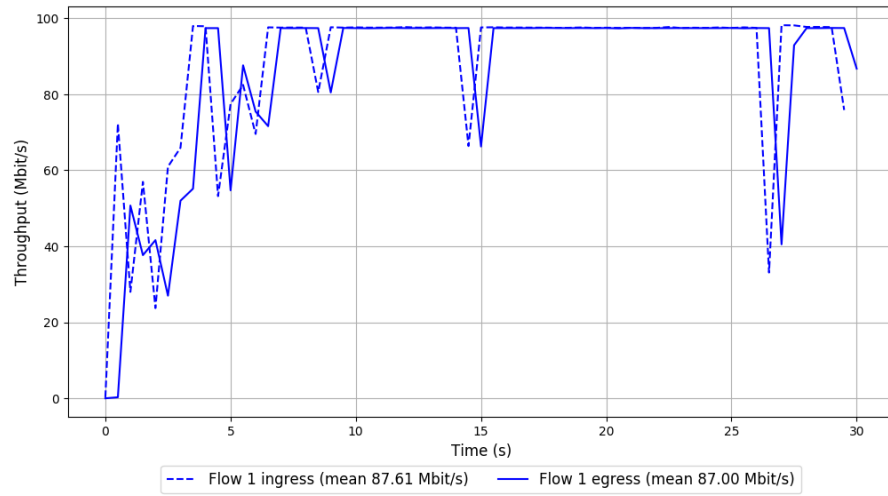


Run 5: Statistics of QUIC Cubic

Start at: 2019-01-18 20:55:01  
End at: 2019-01-18 20:55:31  
Local clock offset: -0.273 ms  
Remote clock offset: -2.098 ms

# Below is generated by plot.py at 2019-01-18 21:09:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 87.00 Mbit/s  
95th percentile per-packet one-way delay: 59.112 ms  
Loss rate: 0.61%  
-- Flow 1:  
Average throughput: 87.00 Mbit/s  
95th percentile per-packet one-way delay: 59.112 ms  
Loss rate: 0.61%

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

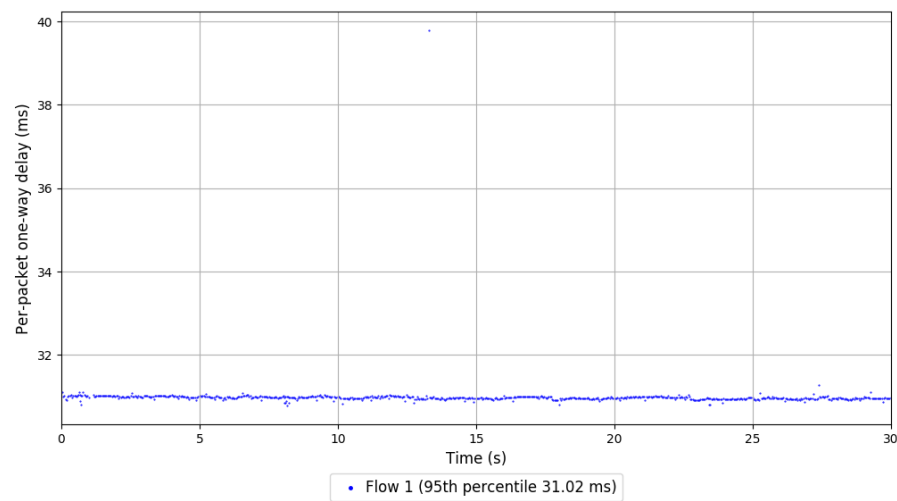
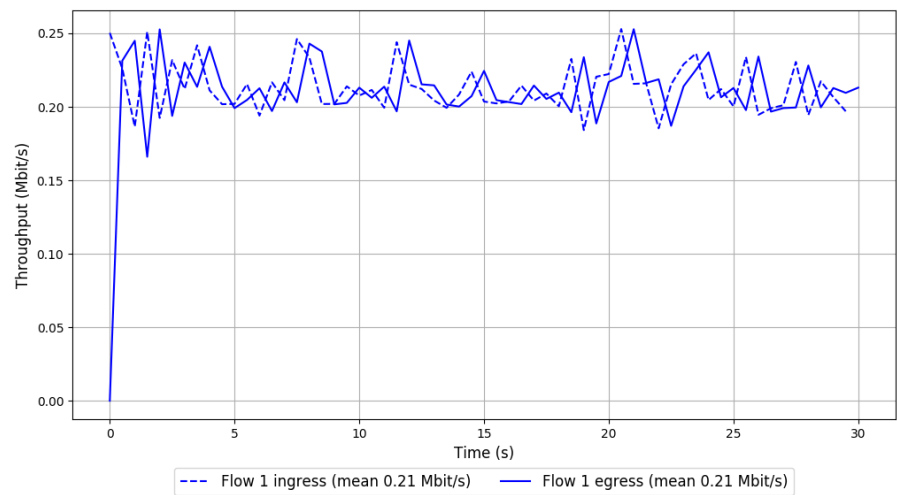


Run 1: Statistics of SReAM

Start at: 2019-01-18 19:11:27  
End at: 2019-01-18 19:11:57  
Local clock offset: -0.219 ms  
Remote clock offset: -2.166 ms

# Below is generated by plot.py at 2019-01-18 21:09:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 31.015 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 31.015 ms  
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

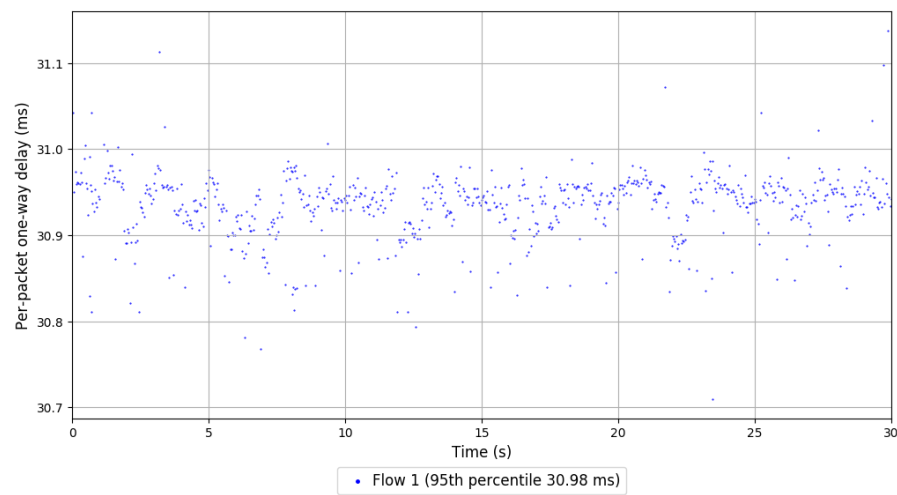
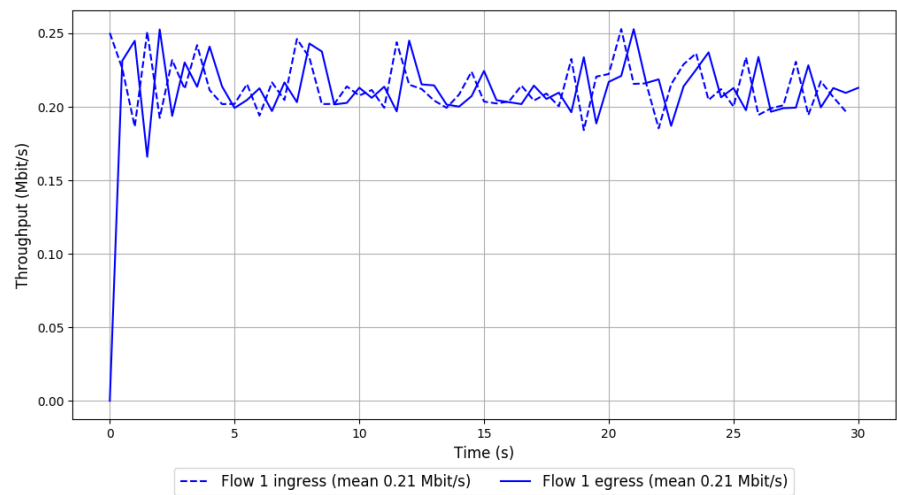


Run 2: Statistics of SCReAM

Start at: 2019-01-18 19:37:23  
End at: 2019-01-18 19:37:53  
Local clock offset: -0.323 ms  
Remote clock offset: -1.754 ms

# Below is generated by plot.py at 2019-01-18 21:09:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.978 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.978 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



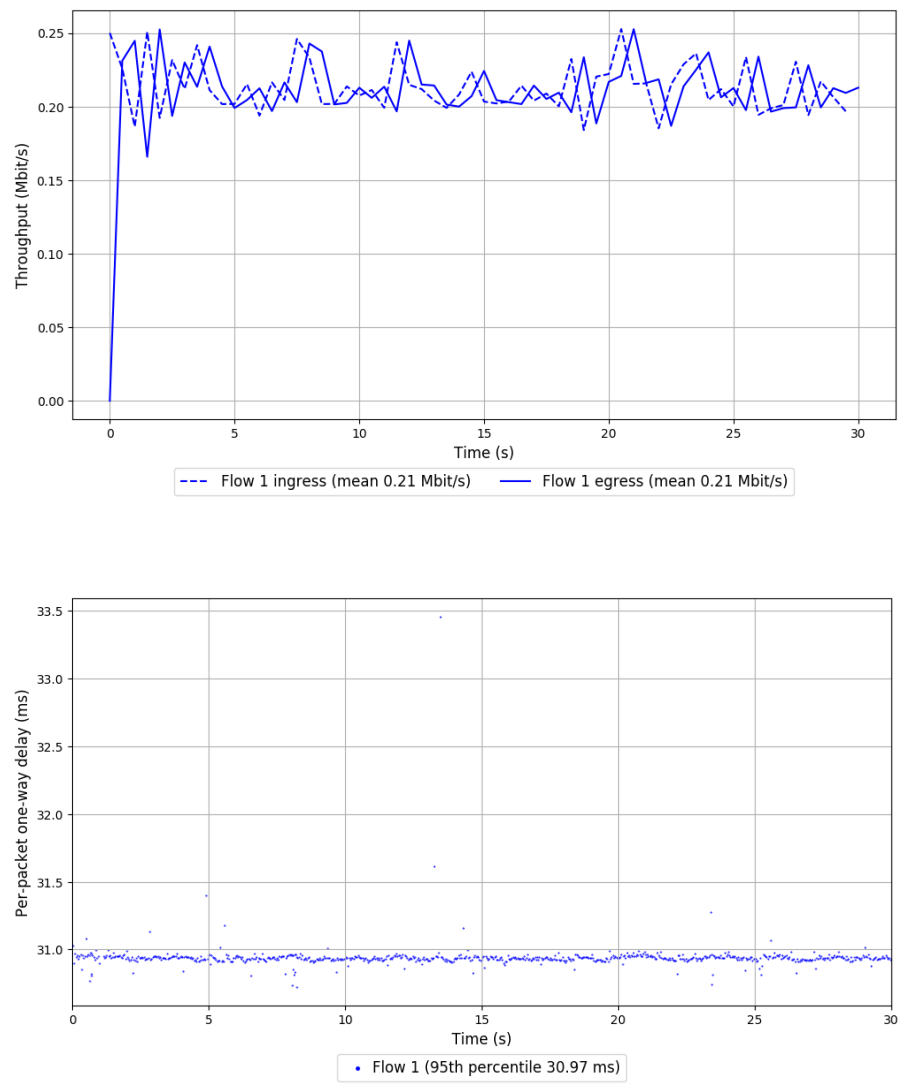


Run 3: Statistics of SCReAM

Start at: 2019-01-18 20:03:28  
End at: 2019-01-18 20:03:58  
Local clock offset: 0.07 ms  
Remote clock offset: -1.521 ms

# Below is generated by plot.py at 2019-01-18 21:09:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.971 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.971 ms  
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

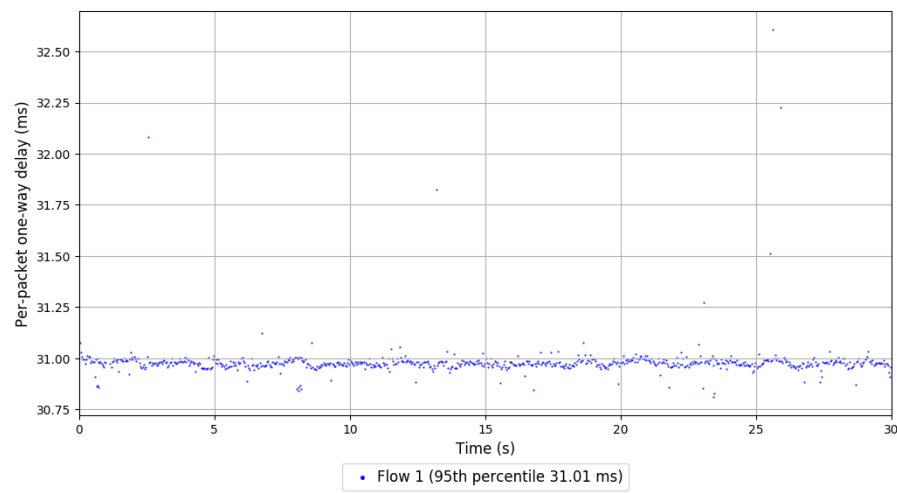
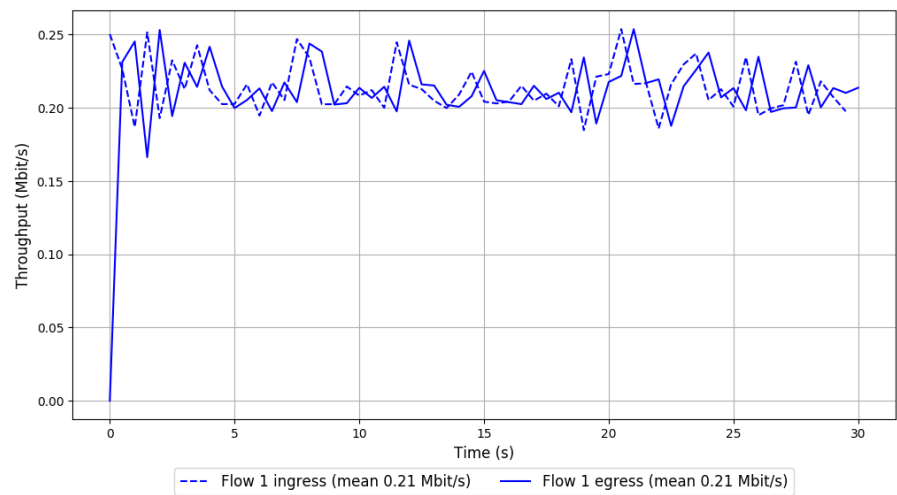


Run 4: Statistics of SCReAM

Start at: 2019-01-18 20:29:45  
End at: 2019-01-18 20:30:15  
Local clock offset: -0.139 ms  
Remote clock offset: -1.662 ms

# Below is generated by plot.py at 2019-01-18 21:09:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 31.012 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 31.012 ms  
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

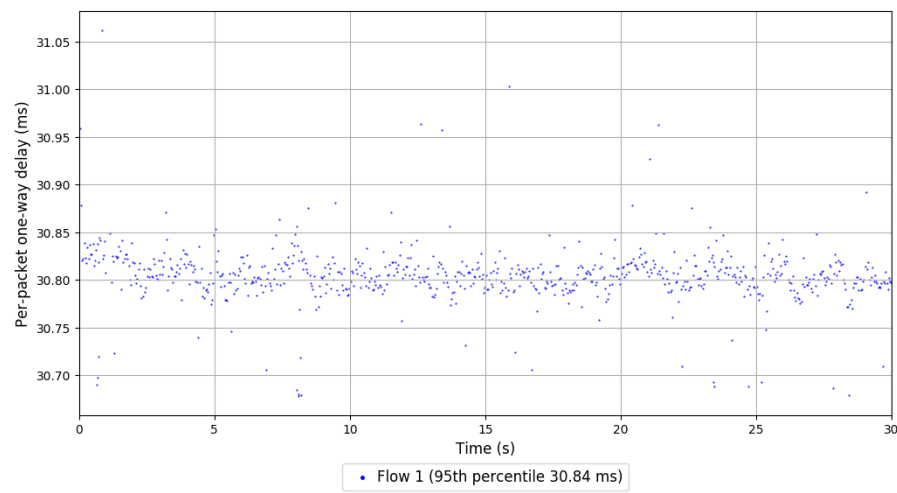
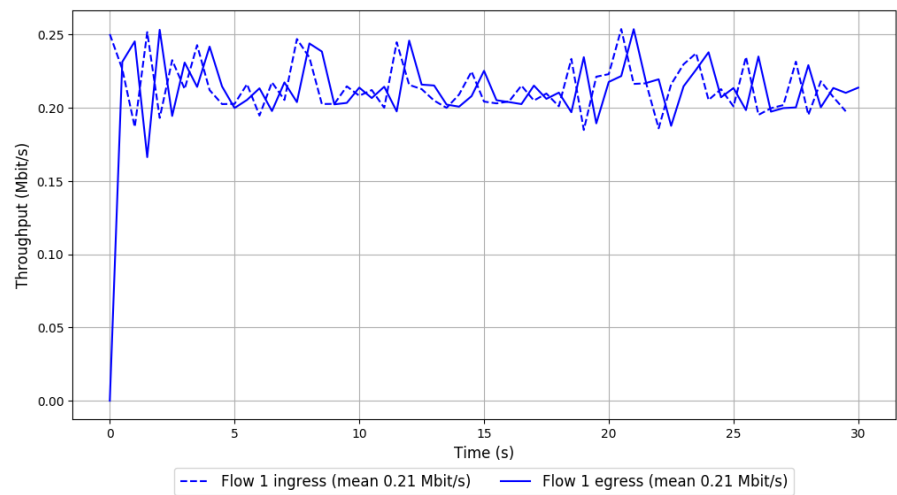


Run 5: Statistics of SCReAM

Start at: 2019-01-18 20:56:22  
End at: 2019-01-18 20:56:52  
Local clock offset: -0.321 ms  
Remote clock offset: -2.096 ms

# Below is generated by plot.py at 2019-01-18 21:09:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.841 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.21 Mbit/s  
95th percentile per-packet one-way delay: 30.841 ms  
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

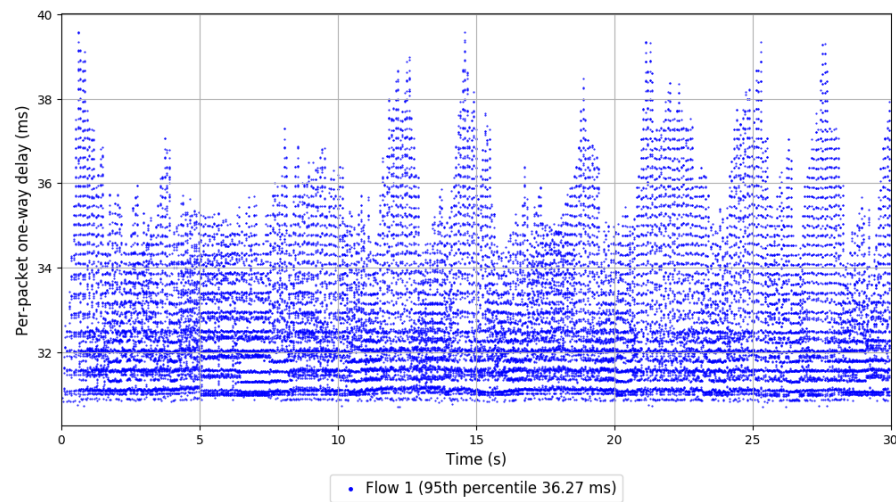
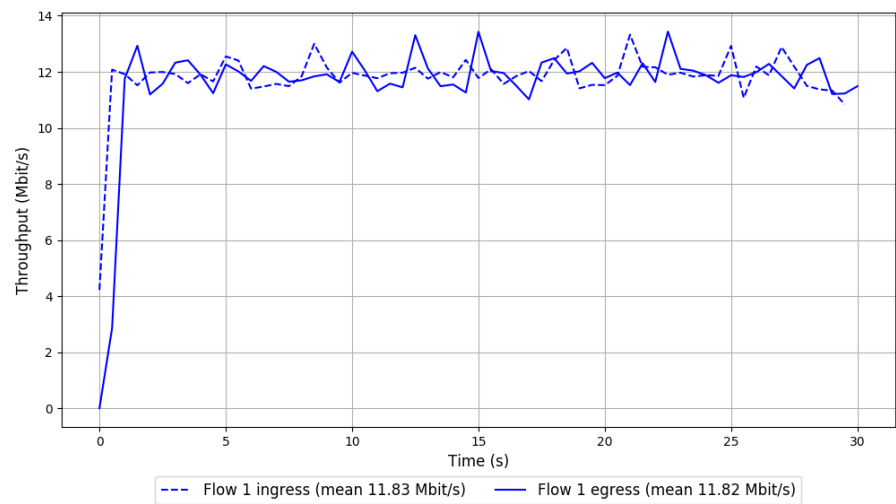


Run 1: Statistics of Sprout

Start at: 2019-01-18 18:57:39  
End at: 2019-01-18 18:58:09  
Local clock offset: -0.149 ms  
Remote clock offset: -2.433 ms

# Below is generated by plot.py at 2019-01-18 21:09:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.82 Mbit/s  
95th percentile per-packet one-way delay: 36.271 ms  
Loss rate: 0.10%  
-- Flow 1:  
Average throughput: 11.82 Mbit/s  
95th percentile per-packet one-way delay: 36.271 ms  
Loss rate: 0.10%

Run 1: Report of Sprout — Data Link



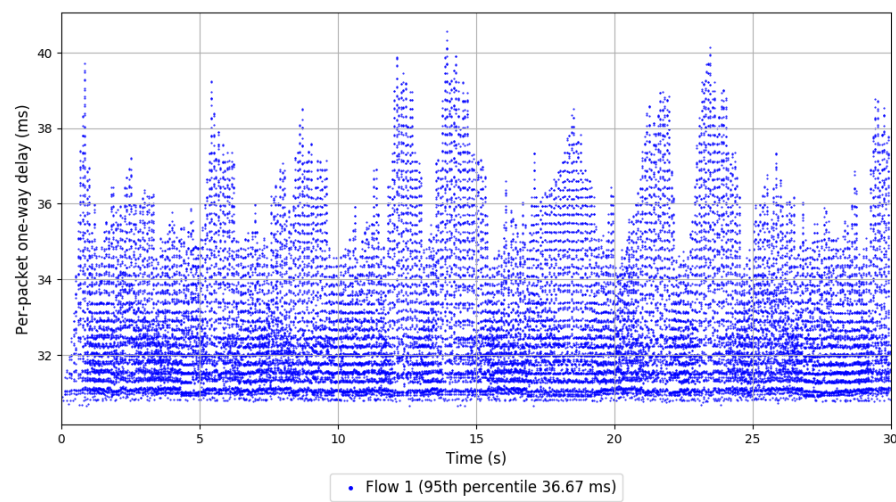
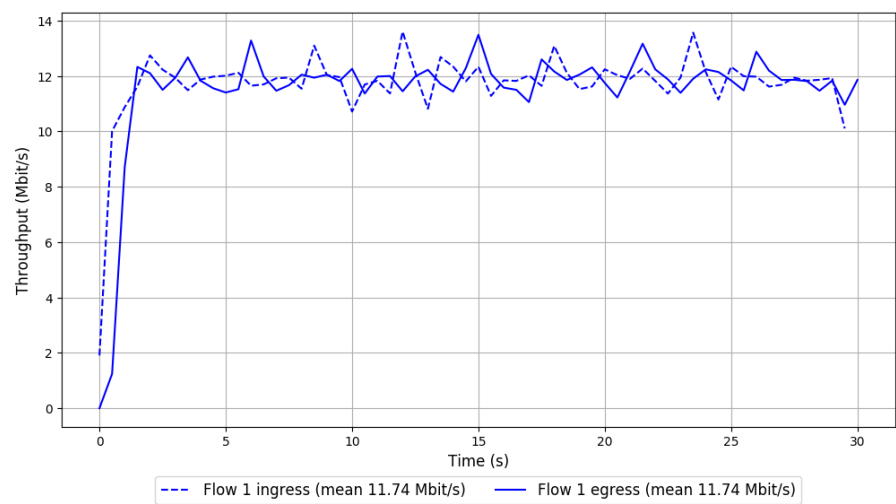


Run 2: Statistics of Sprout

Start at: 2019-01-18 19:23:39  
End at: 2019-01-18 19:24:10  
Local clock offset: -0.314 ms  
Remote clock offset: -1.892 ms

# Below is generated by plot.py at 2019-01-18 21:09:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.74 Mbit/s  
95th percentile per-packet one-way delay: 36.668 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 11.74 Mbit/s  
95th percentile per-packet one-way delay: 36.668 ms  
Loss rate: 0.00%

Run 2: Report of Sprout — Data Link



Run 3: Statistics of Sprout

Start at: 2019-01-18 19:49:41

End at: 2019-01-18 19:50:11

Local clock offset: -0.214 ms

Remote clock offset: -1.54 ms

# Below is generated by plot.py at 2019-01-18 21:09:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 11.78 Mbit/s

95th percentile per-packet one-way delay: 36.385 ms

Loss rate: 0.04%

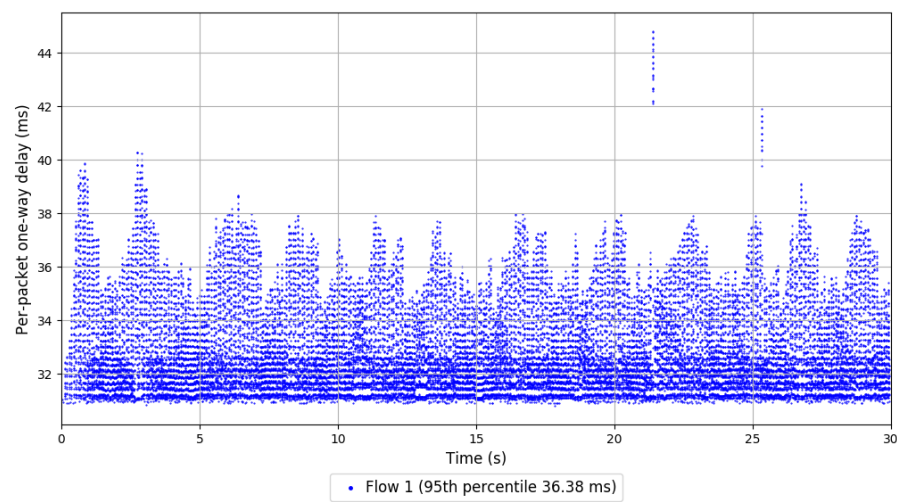
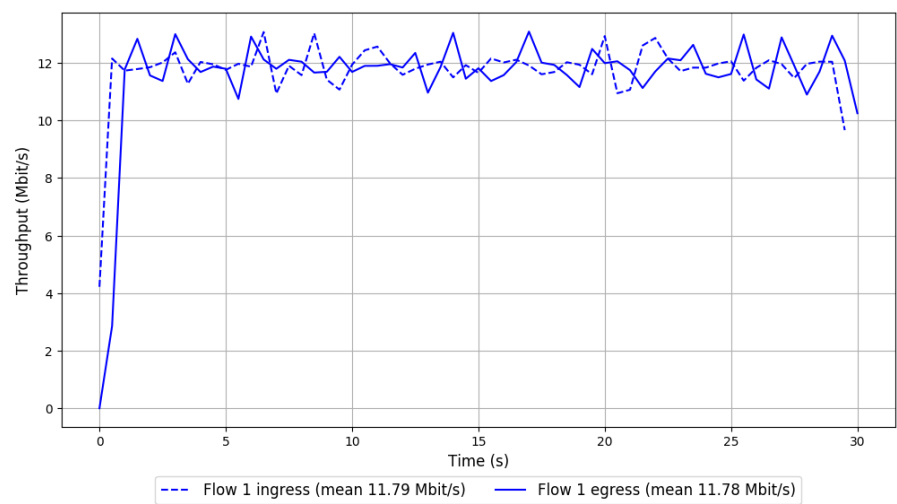
-- Flow 1:

Average throughput: 11.78 Mbit/s

95th percentile per-packet one-way delay: 36.385 ms

Loss rate: 0.04%

Run 3: Report of Sprout — Data Link

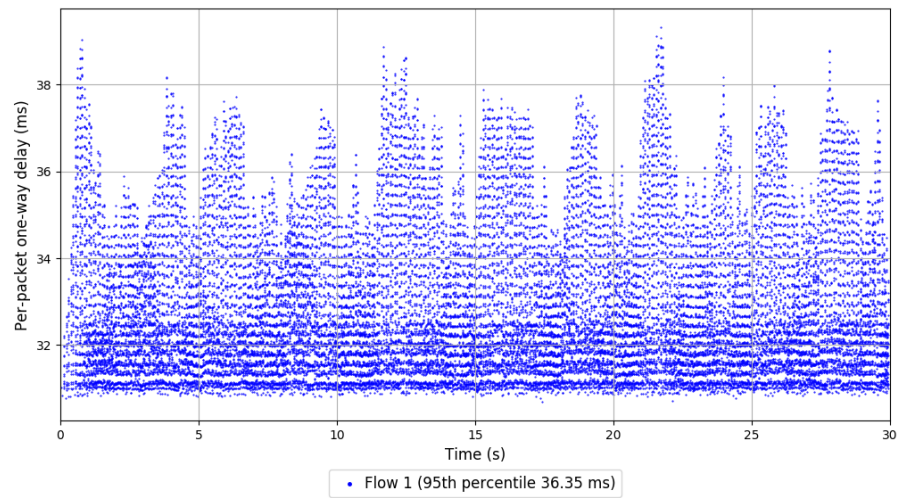
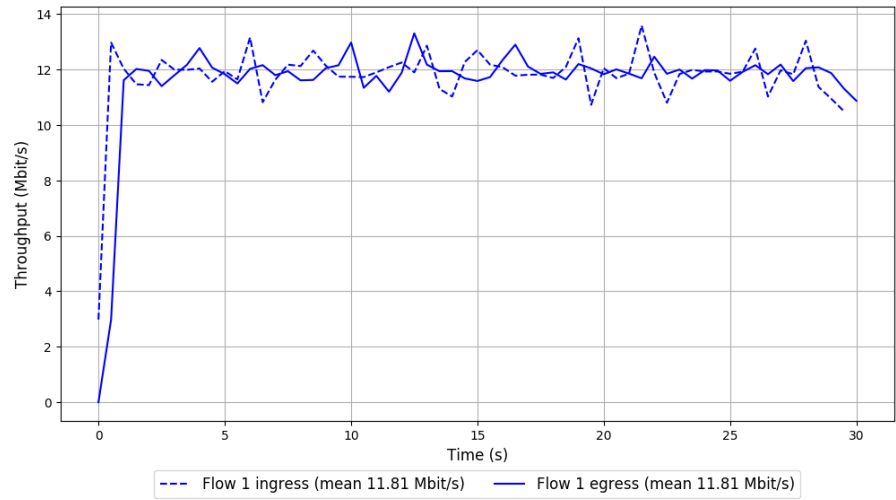


Run 4: Statistics of Sprout

Start at: 2019-01-18 20:15:53  
End at: 2019-01-18 20:16:23  
Local clock offset: 0.236 ms  
Remote clock offset: -1.327 ms

# Below is generated by plot.py at 2019-01-18 21:09:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.81 Mbit/s  
95th percentile per-packet one-way delay: 36.354 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 11.81 Mbit/s  
95th percentile per-packet one-way delay: 36.354 ms  
Loss rate: 0.00%

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

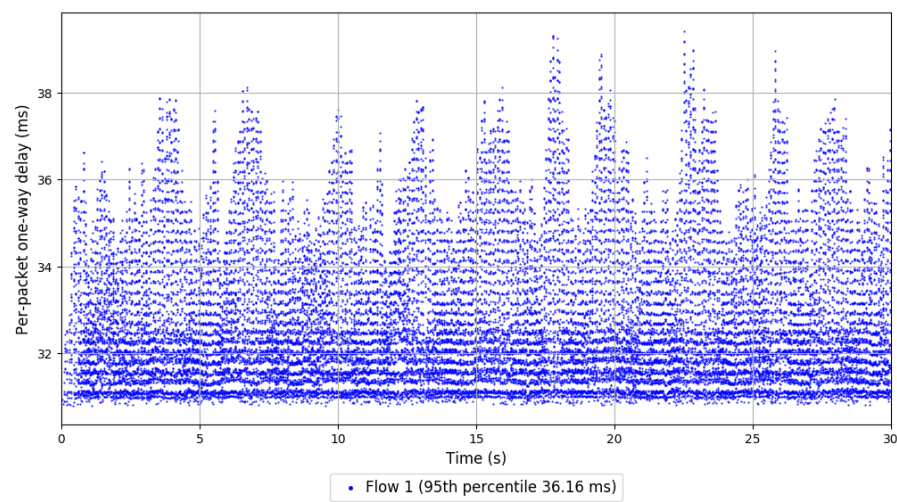
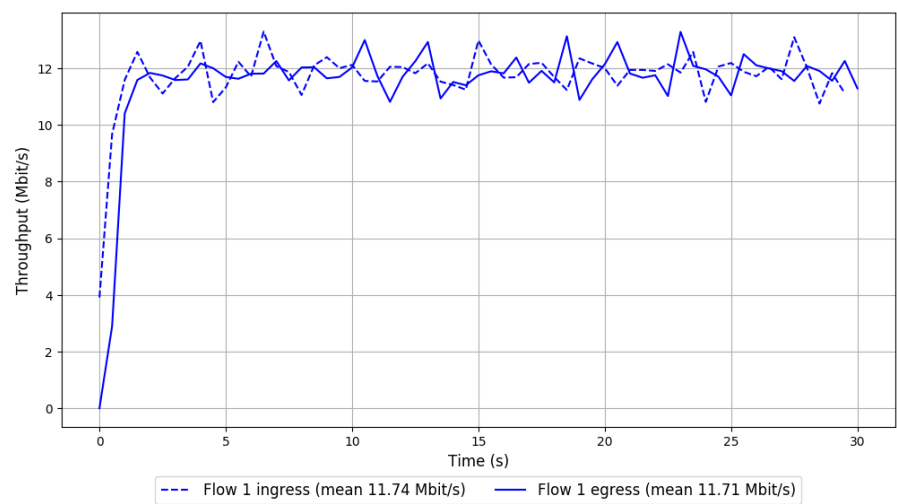


Run 5: Statistics of Sprout

Start at: 2019-01-18 20:42:10  
End at: 2019-01-18 20:42:40  
Local clock offset: -0.195 ms  
Remote clock offset: -1.791 ms

# Below is generated by plot.py at 2019-01-18 21:09:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.71 Mbit/s  
95th percentile per-packet one-way delay: 36.161 ms  
Loss rate: 0.21%  
-- Flow 1:  
Average throughput: 11.71 Mbit/s  
95th percentile per-packet one-way delay: 36.161 ms  
Loss rate: 0.21%

Run 5: Report of Sprout — Data Link



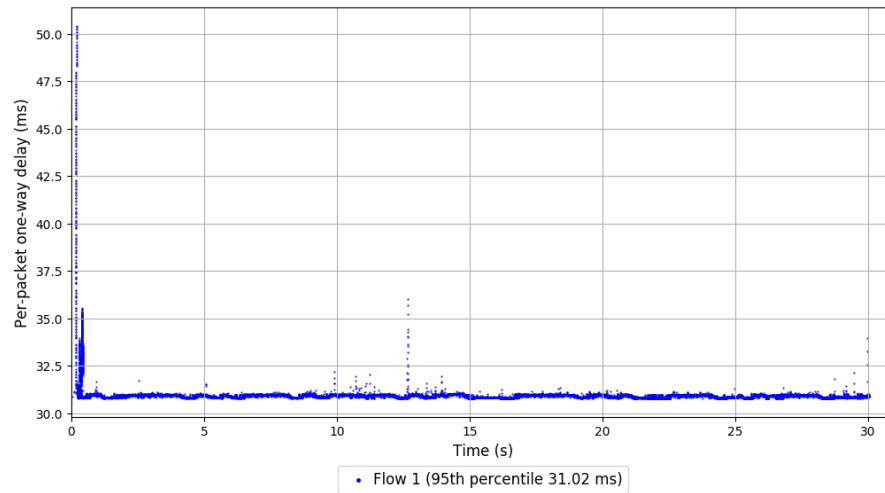
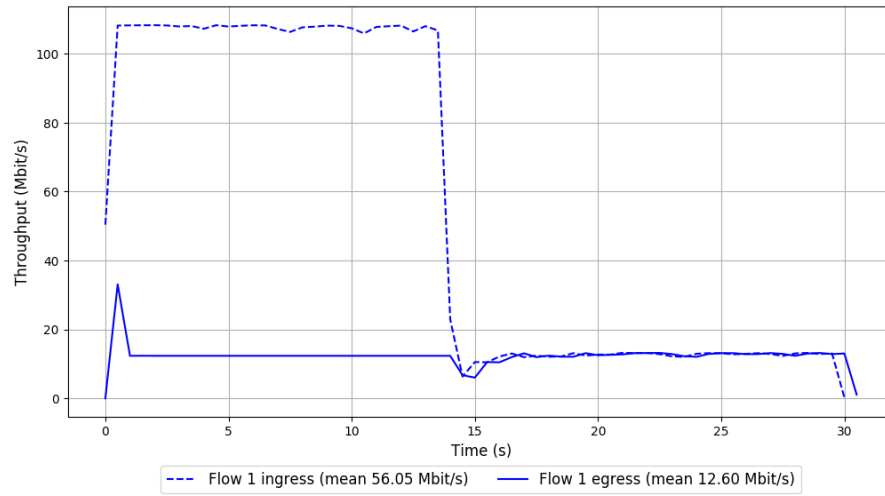


Run 1: Statistics of TaoVA-100x

Start at: 2019-01-18 18:55:19  
End at: 2019-01-18 18:55:49  
Local clock offset: -0.084 ms  
Remote clock offset: -2.428 ms

# Below is generated by plot.py at 2019-01-18 21:09:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.60 Mbit/s  
95th percentile per-packet one-way delay: 31.018 ms  
Loss rate: 77.52%  
-- Flow 1:  
Average throughput: 12.60 Mbit/s  
95th percentile per-packet one-way delay: 31.018 ms  
Loss rate: 77.52%

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

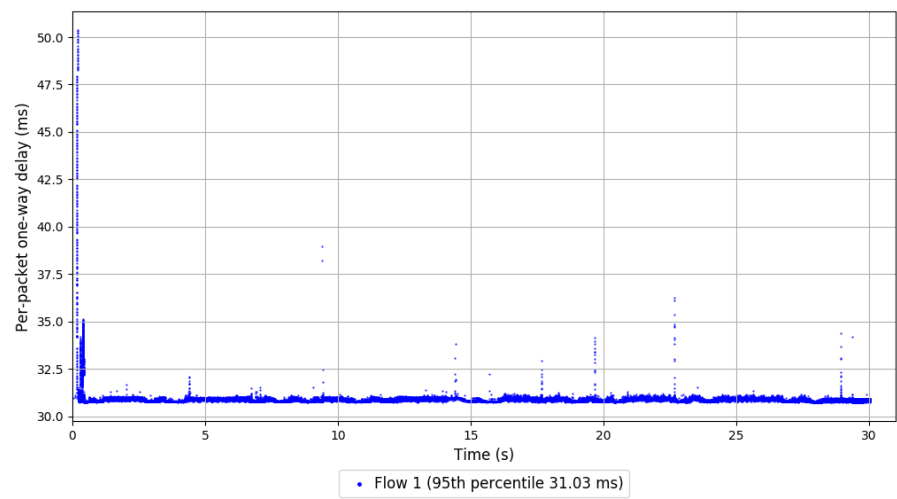
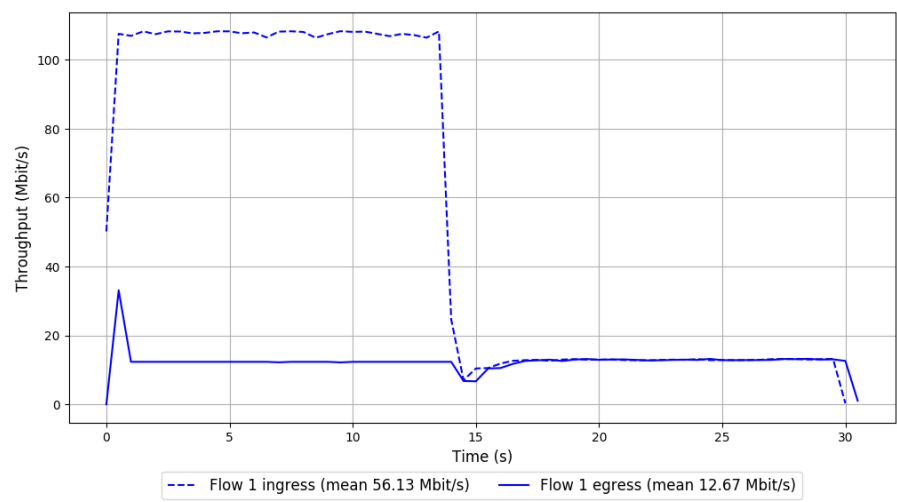


Run 2: Statistics of TaoVA-100x

Start at: 2019-01-18 19:21:12  
End at: 2019-01-18 19:21:42  
Local clock offset: -0.287 ms  
Remote clock offset: -1.955 ms

# Below is generated by plot.py at 2019-01-18 21:09:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.67 Mbit/s  
95th percentile per-packet one-way delay: 31.032 ms  
Loss rate: 77.42%  
-- Flow 1:  
Average throughput: 12.67 Mbit/s  
95th percentile per-packet one-way delay: 31.032 ms  
Loss rate: 77.42%

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



Run 3: Statistics of TaoVA-100x

Start at: 2019-01-18 19:47:08

End at: 2019-01-18 19:47:39

Local clock offset: -0.283 ms

Remote clock offset: -1.64 ms

# Below is generated by plot.py at 2019-01-18 21:09:48

# Datalink statistics

-- Total of 1 flow:

Average throughput: 12.68 Mbit/s

95th percentile per-packet one-way delay: 30.997 ms

Loss rate: 63.15%

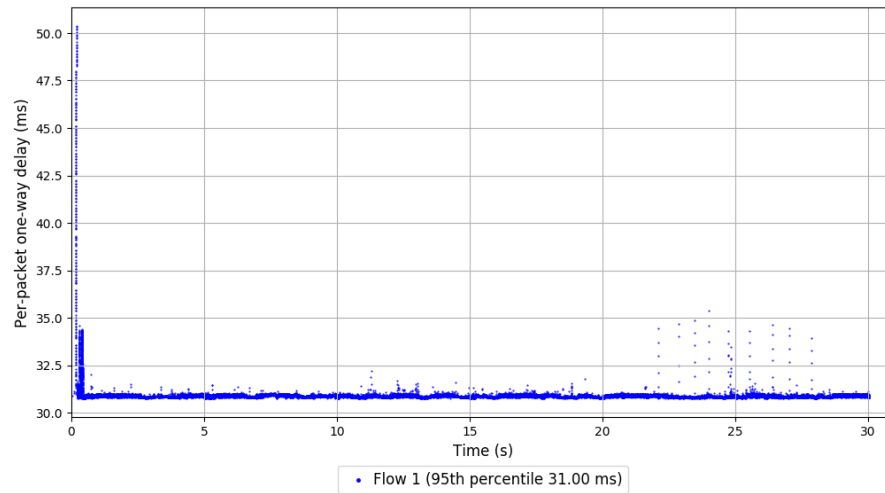
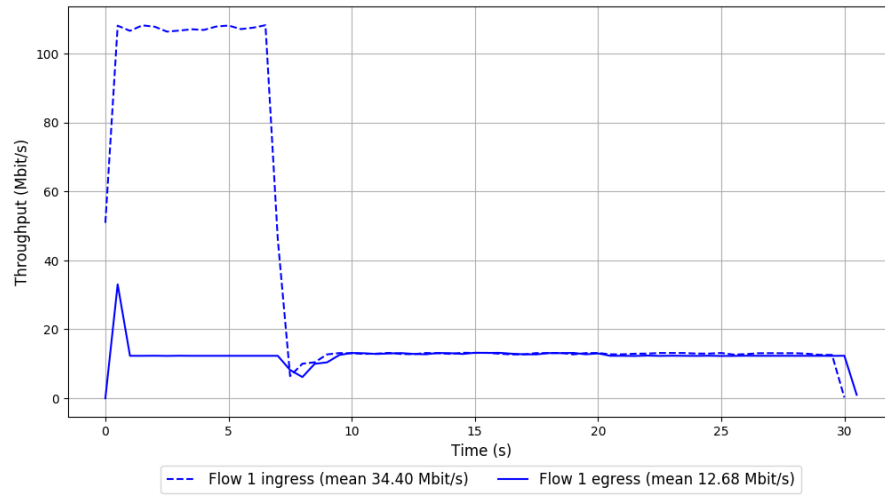
-- Flow 1:

Average throughput: 12.68 Mbit/s

95th percentile per-packet one-way delay: 30.997 ms

Loss rate: 63.15%

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

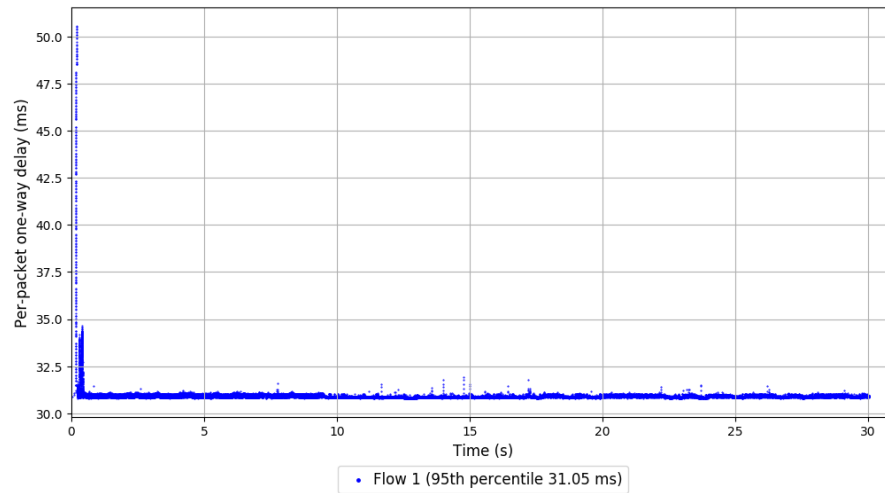
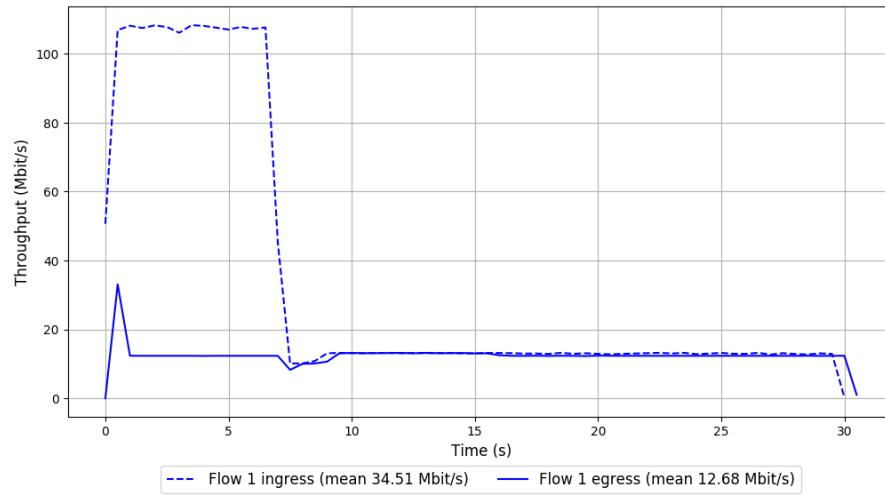


Run 4: Statistics of TaoVA-100x

Start at: 2019-01-18 20:13:21  
End at: 2019-01-18 20:13:51  
Local clock offset: 0.211 ms  
Remote clock offset: -1.335 ms

# Below is generated by plot.py at 2019-01-18 21:09:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.68 Mbit/s  
95th percentile per-packet one-way delay: 31.049 ms  
Loss rate: 63.26%  
-- Flow 1:  
Average throughput: 12.68 Mbit/s  
95th percentile per-packet one-way delay: 31.049 ms  
Loss rate: 63.26%

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



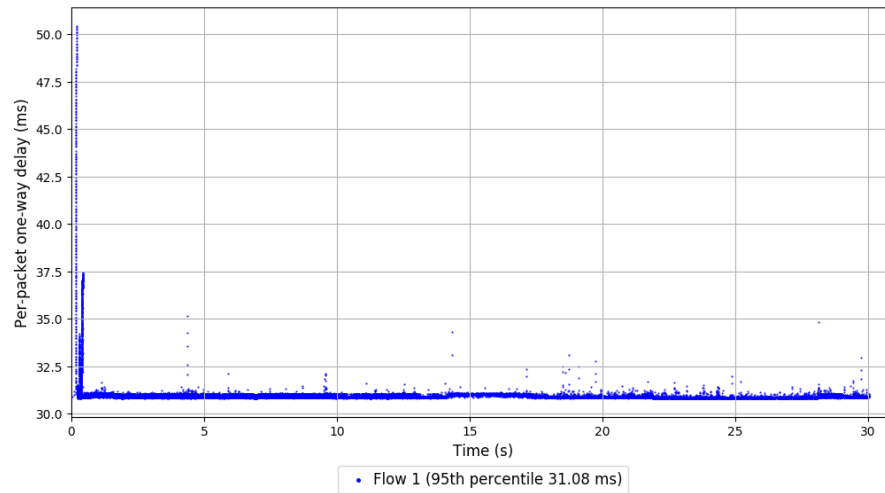
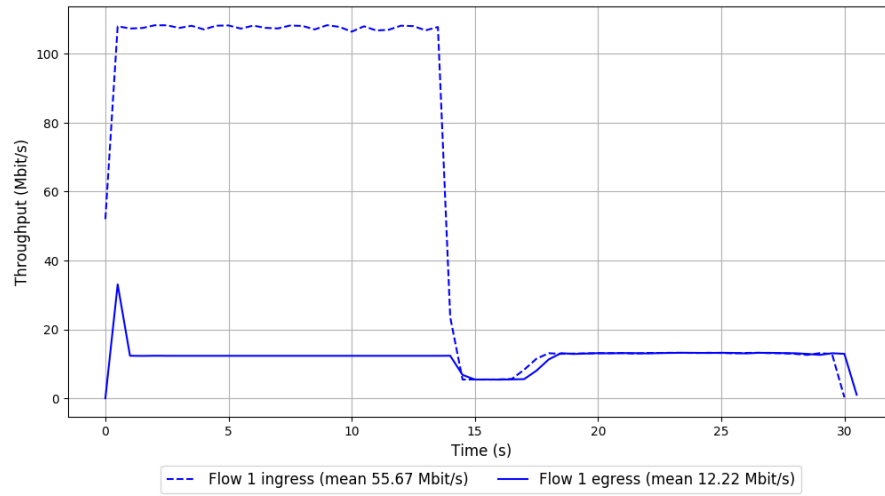


Run 5: Statistics of TaoVA-100x

Start at: 2019-01-18 20:39:42  
End at: 2019-01-18 20:40:12  
Local clock offset: -0.198 ms  
Remote clock offset: -1.726 ms

# Below is generated by plot.py at 2019-01-18 21:09:48  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.22 Mbit/s  
95th percentile per-packet one-way delay: 31.078 ms  
Loss rate: 78.04%  
-- Flow 1:  
Average throughput: 12.22 Mbit/s  
95th percentile per-packet one-way delay: 31.078 ms  
Loss rate: 78.04%

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

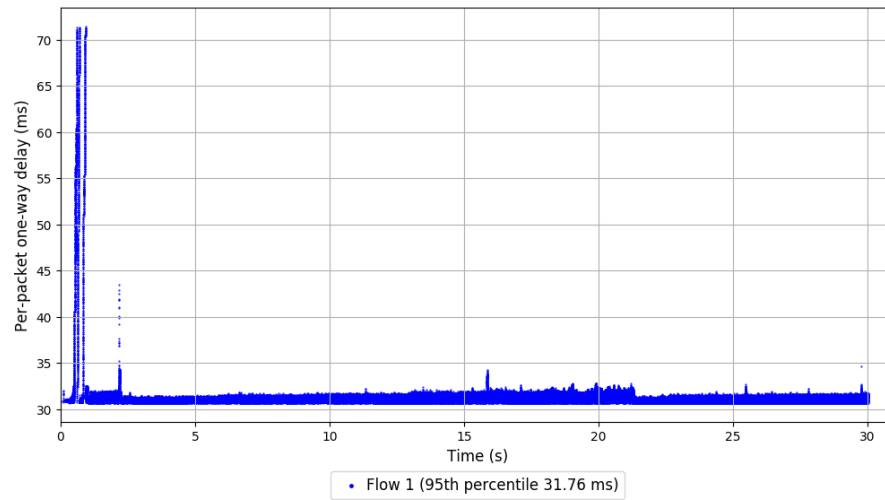
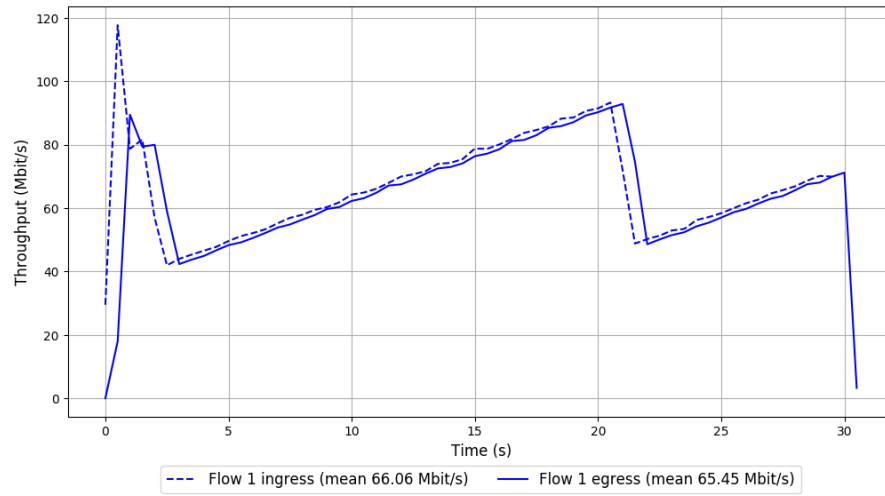


Run 1: Statistics of TCP Vegas

Start at: 2019-01-18 18:54:09  
End at: 2019-01-18 18:54:39  
Local clock offset: -0.029 ms  
Remote clock offset: -2.626 ms

# Below is generated by plot.py at 2019-01-18 21:10:01  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 65.45 Mbit/s  
95th percentile per-packet one-way delay: 31.761 ms  
Loss rate: 0.91%  
-- Flow 1:  
Average throughput: 65.45 Mbit/s  
95th percentile per-packet one-way delay: 31.761 ms  
Loss rate: 0.91%

# Run 1: Report of TCP Vegas — Data Link

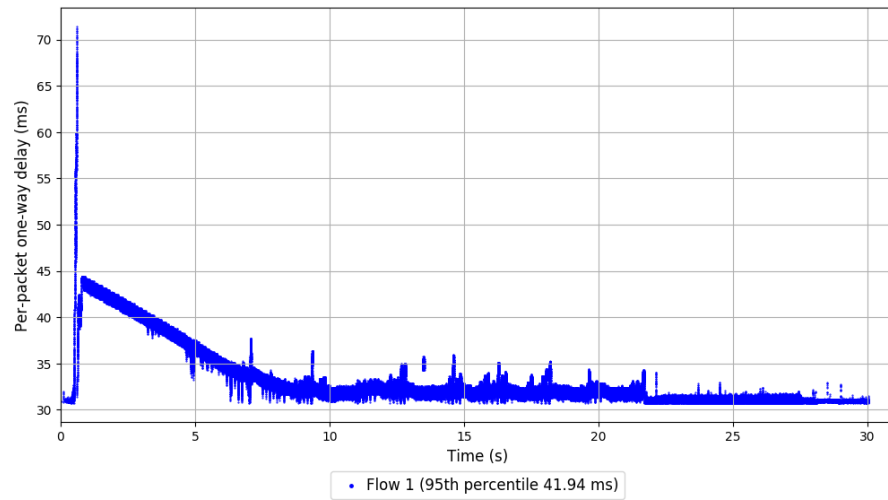
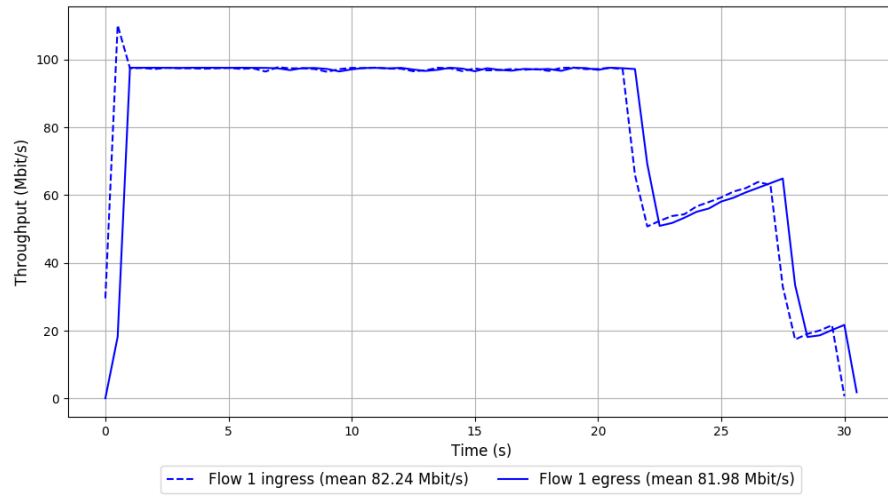


Run 2: Statistics of TCP Vegas

Start at: 2019-01-18 19:19:53  
End at: 2019-01-18 19:20:23  
Local clock offset: -0.257 ms  
Remote clock offset: -1.973 ms

# Below is generated by plot.py at 2019-01-18 21:10:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.98 Mbit/s  
95th percentile per-packet one-way delay: 41.944 ms  
Loss rate: 0.32%  
-- Flow 1:  
Average throughput: 81.98 Mbit/s  
95th percentile per-packet one-way delay: 41.944 ms  
Loss rate: 0.32%

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

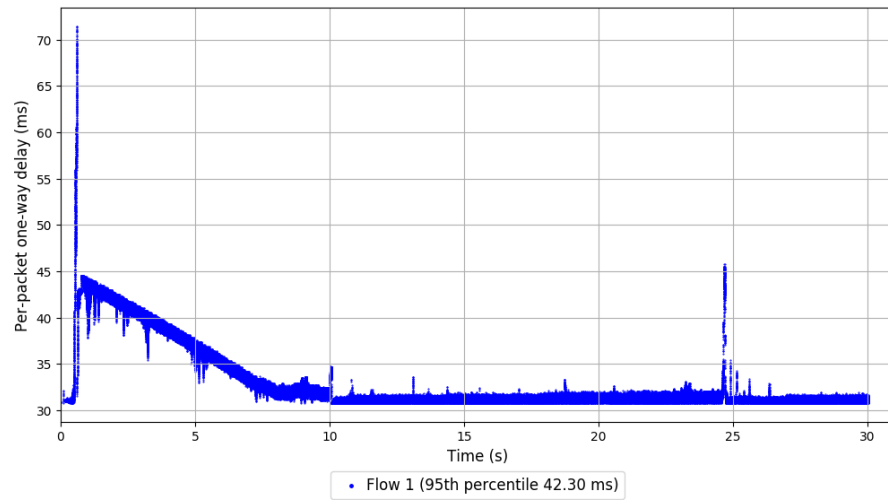
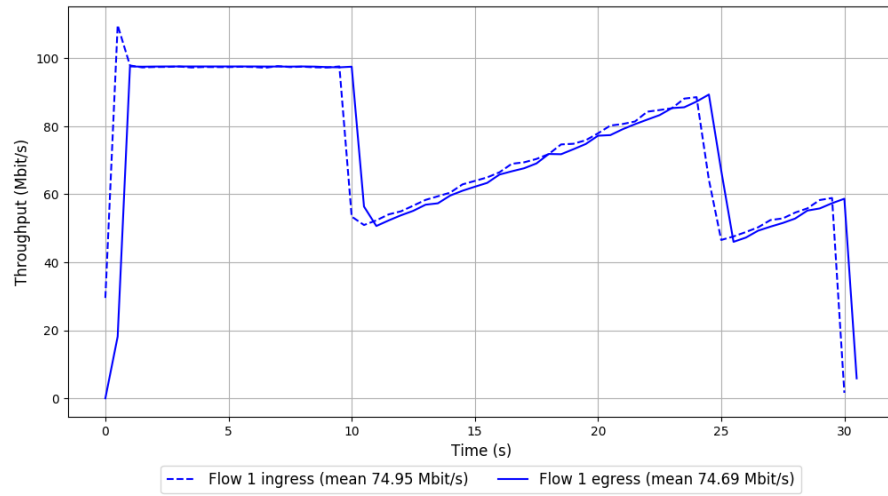


Run 3: Statistics of TCP Vegas

Start at: 2019-01-18 19:45:57  
End at: 2019-01-18 19:46:27  
Local clock offset: -0.28 ms  
Remote clock offset: -1.602 ms

# Below is generated by plot.py at 2019-01-18 21:10:17  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 74.69 Mbit/s  
95th percentile per-packet one-way delay: 42.298 ms  
Loss rate: 0.35%  
-- Flow 1:  
Average throughput: 74.69 Mbit/s  
95th percentile per-packet one-way delay: 42.298 ms  
Loss rate: 0.35%

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



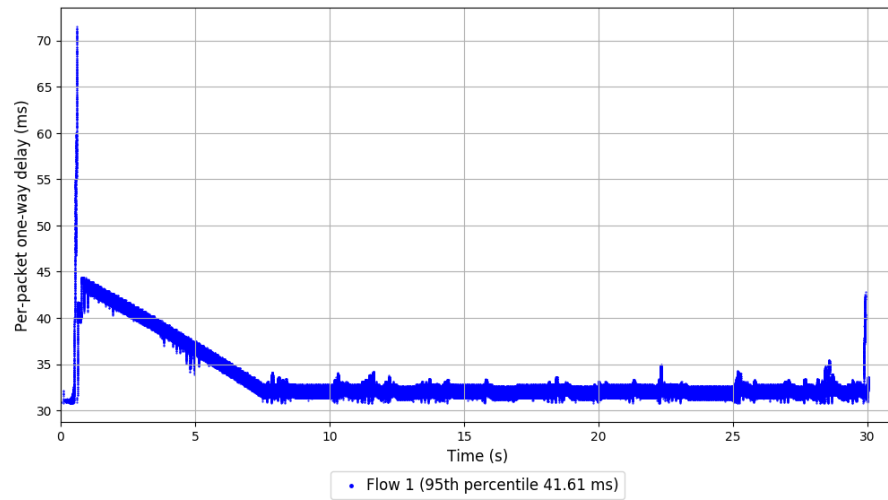
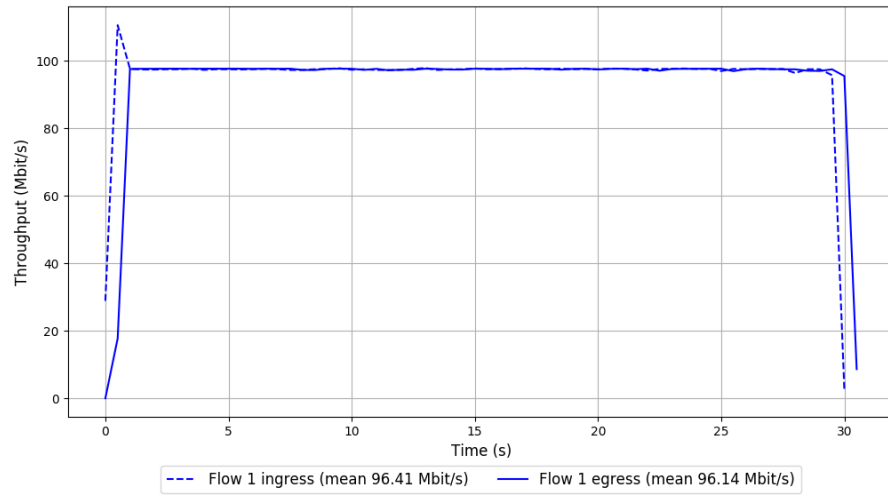


Run 4: Statistics of TCP Vegas

Start at: 2019-01-18 20:12:00  
End at: 2019-01-18 20:12:30  
Local clock offset: 0.177 ms  
Remote clock offset: -1.363 ms

# Below is generated by plot.py at 2019-01-18 21:10:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 96.14 Mbit/s  
95th percentile per-packet one-way delay: 41.606 ms  
Loss rate: 0.27%  
-- Flow 1:  
Average throughput: 96.14 Mbit/s  
95th percentile per-packet one-way delay: 41.606 ms  
Loss rate: 0.27%

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

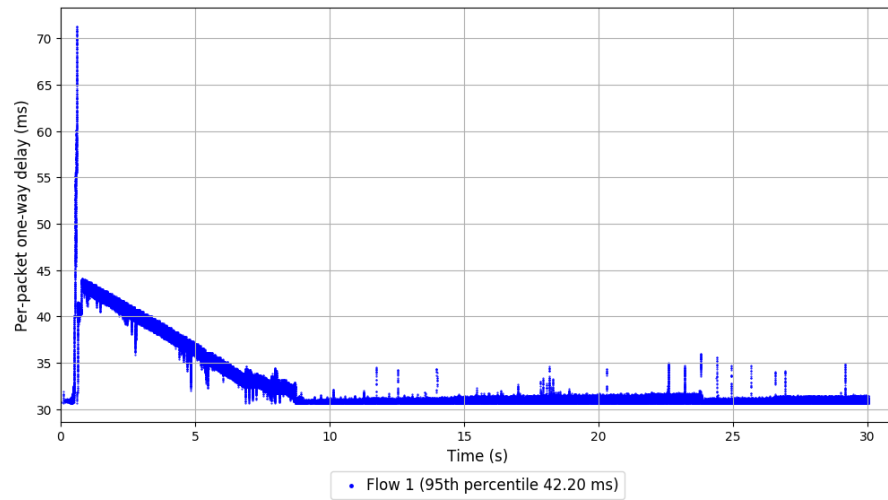
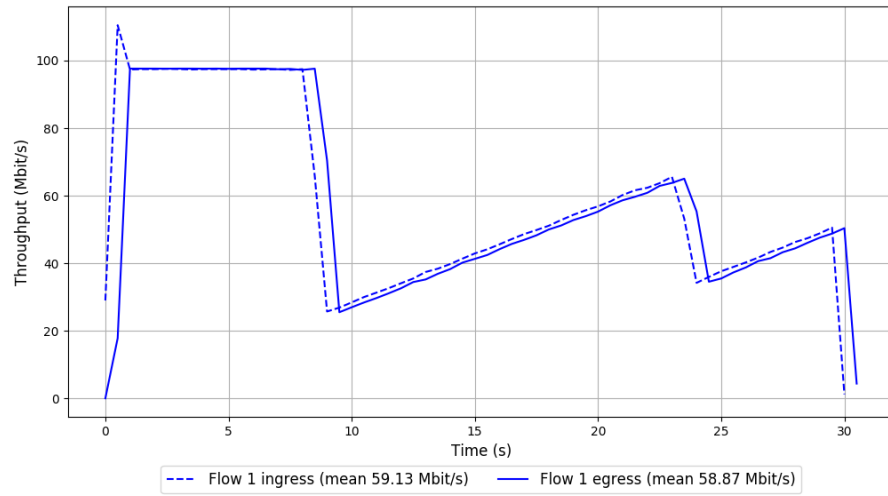


Run 5: Statistics of TCP Vegas

Start at: 2019-01-18 20:38:27  
End at: 2019-01-18 20:38:57  
Local clock offset: -0.181 ms  
Remote clock offset: -1.919 ms

# Below is generated by plot.py at 2019-01-18 21:10:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 58.87 Mbit/s  
95th percentile per-packet one-way delay: 42.199 ms  
Loss rate: 0.45%  
-- Flow 1:  
Average throughput: 58.87 Mbit/s  
95th percentile per-packet one-way delay: 42.199 ms  
Loss rate: 0.45%

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



Run 1: Statistics of Verus

Start at: 2019-01-18 18:56:26

End at: 2019-01-18 18:56:56

Local clock offset: -0.116 ms

Remote clock offset: -2.44 ms

# Below is generated by plot.py at 2019-01-18 21:10:28

# Datalink statistics

-- Total of 1 flow:

Average throughput: 58.11 Mbit/s

95th percentile per-packet one-way delay: 65.877 ms

Loss rate: 21.65%

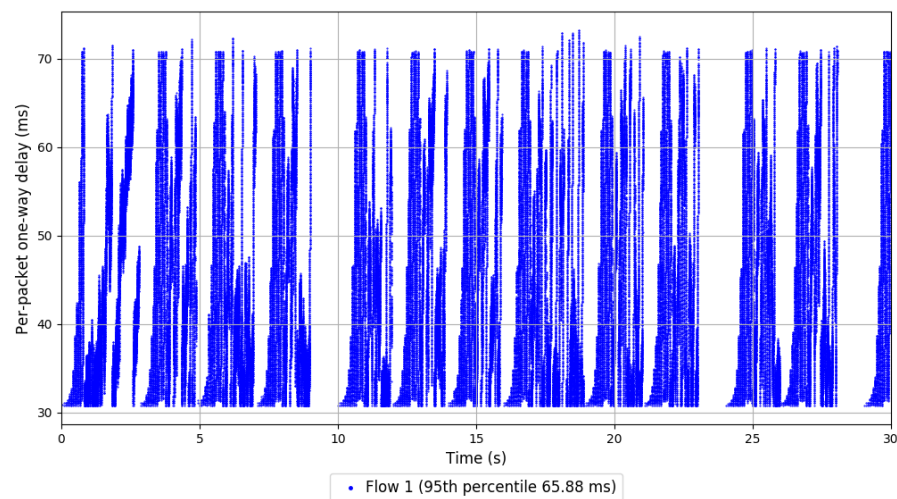
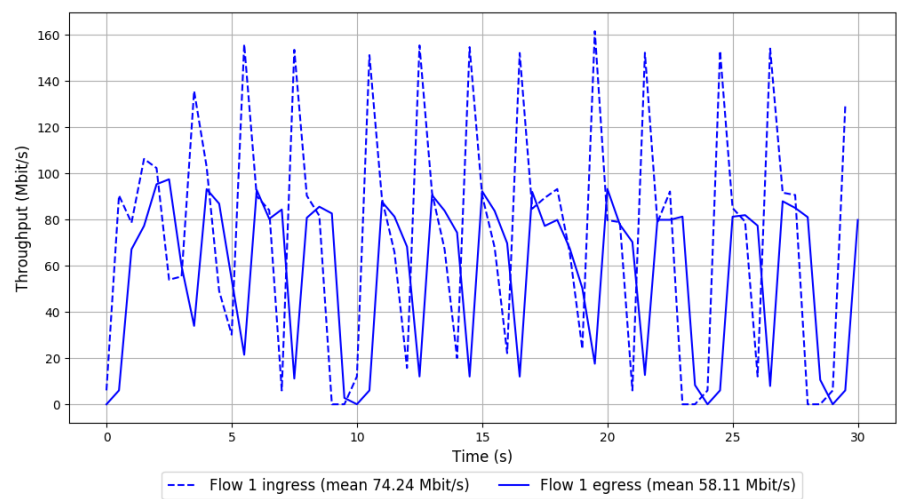
-- Flow 1:

Average throughput: 58.11 Mbit/s

95th percentile per-packet one-way delay: 65.877 ms

Loss rate: 21.65%

Run 1: Report of Verus — Data Link

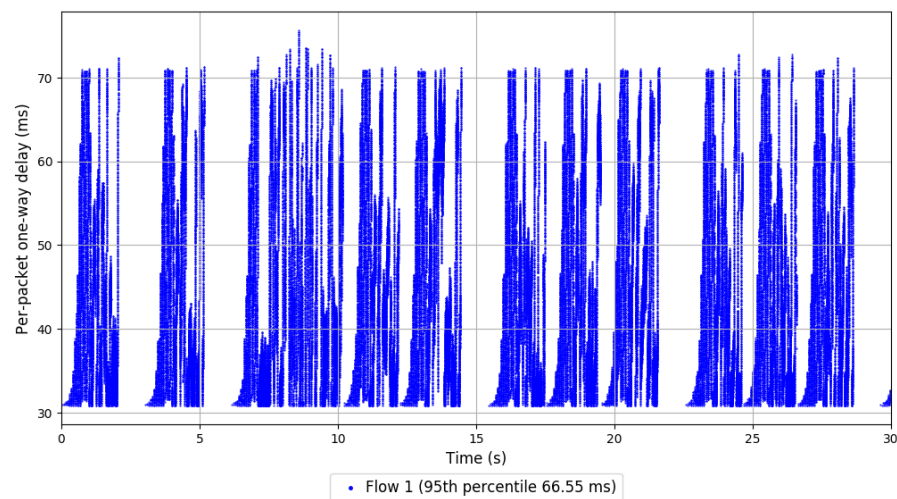
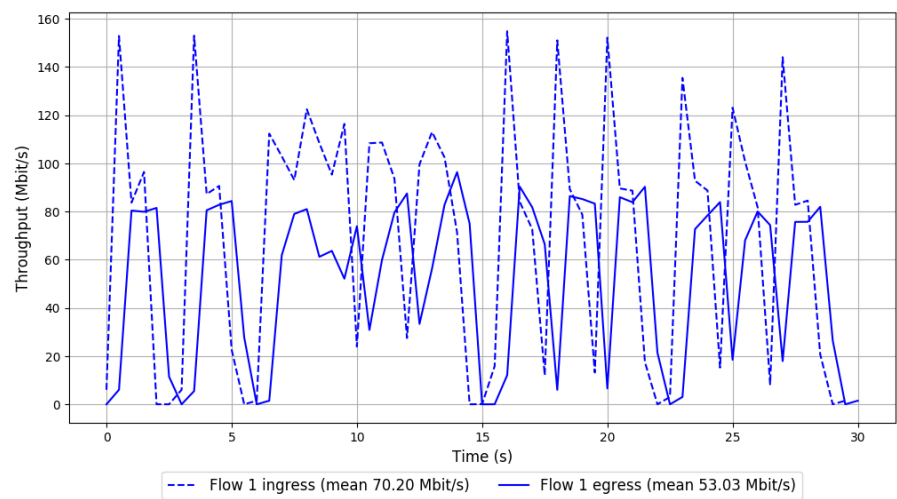


Run 2: Statistics of Verus

Start at: 2019-01-18 19:22:22  
End at: 2019-01-18 19:22:52  
Local clock offset: -0.303 ms  
Remote clock offset: -1.874 ms

# Below is generated by plot.py at 2019-01-18 21:10:28  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 53.03 Mbit/s  
95th percentile per-packet one-way delay: 66.553 ms  
Loss rate: 24.46%  
-- Flow 1:  
Average throughput: 53.03 Mbit/s  
95th percentile per-packet one-way delay: 66.553 ms  
Loss rate: 24.46%

Run 2: Report of Verus — Data Link



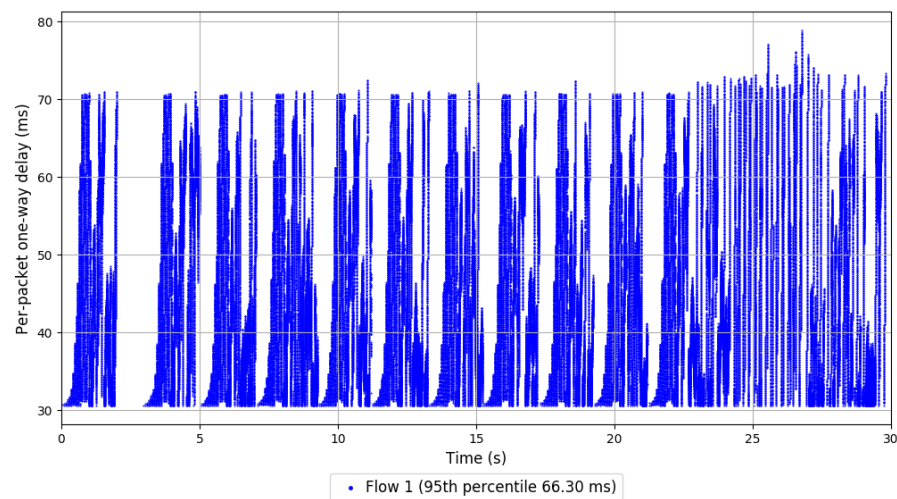
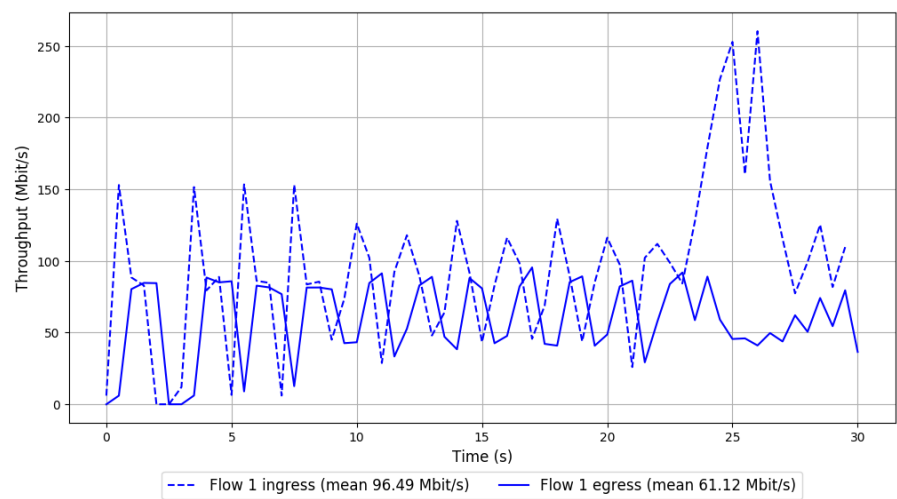


Run 3: Statistics of Verus

Start at: 2019-01-18 19:48:19  
End at: 2019-01-18 19:48:49  
Local clock offset: -0.255 ms  
Remote clock offset: -1.773 ms

# Below is generated by plot.py at 2019-01-18 21:10:40  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 61.12 Mbit/s  
95th percentile per-packet one-way delay: 66.299 ms  
Loss rate: 36.63%  
-- Flow 1:  
Average throughput: 61.12 Mbit/s  
95th percentile per-packet one-way delay: 66.299 ms  
Loss rate: 36.63%

Run 3: Report of Verus — Data Link

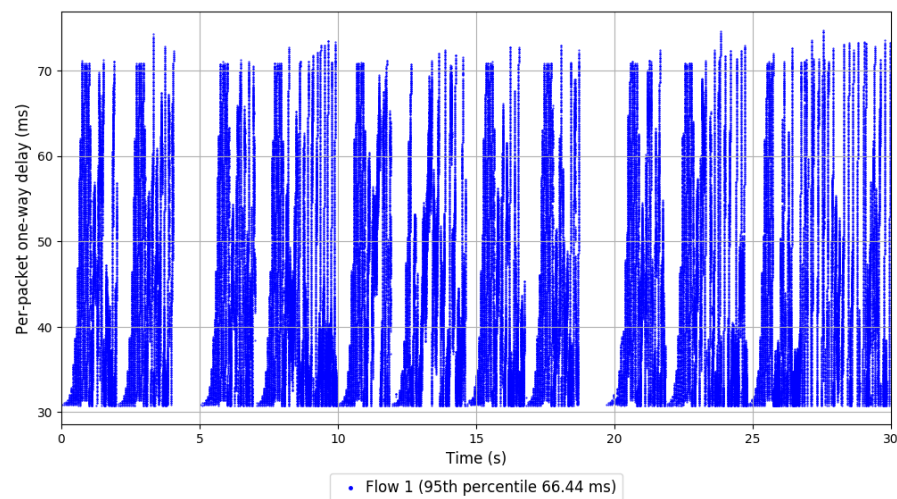
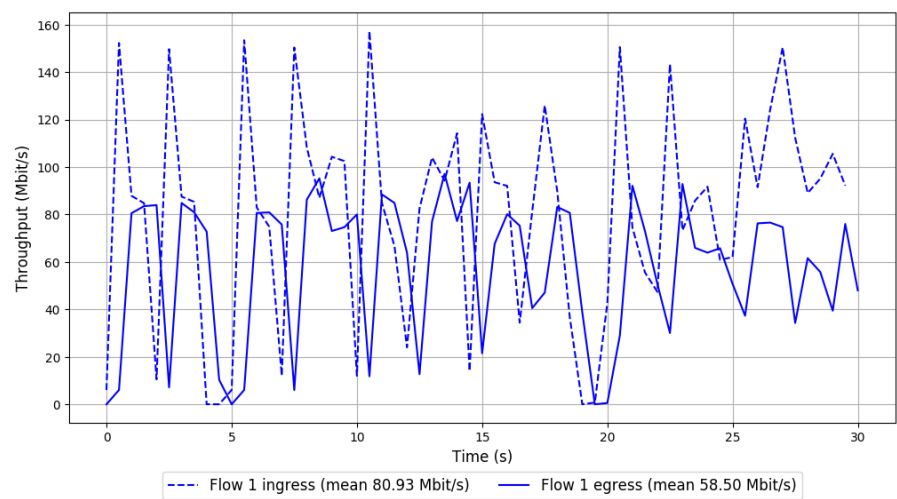


Run 4: Statistics of Verus

Start at: 2019-01-18 20:14:29  
End at: 2019-01-18 20:14:59  
Local clock offset: 0.249 ms  
Remote clock offset: -1.343 ms

# Below is generated by plot.py at 2019-01-18 21:10:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 58.50 Mbit/s  
95th percentile per-packet one-way delay: 66.440 ms  
Loss rate: 27.66%  
-- Flow 1:  
Average throughput: 58.50 Mbit/s  
95th percentile per-packet one-way delay: 66.440 ms  
Loss rate: 27.66%

Run 4: Report of Verus — Data Link



Run 5: Statistics of Verus

Start at: 2019-01-18 20:40:52

End at: 2019-01-18 20:41:22

Local clock offset: -0.2 ms

Remote clock offset: -1.74 ms

# Below is generated by plot.py at 2019-01-18 21:10:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 53.53 Mbit/s

95th percentile per-packet one-way delay: 66.103 ms

Loss rate: 23.55%

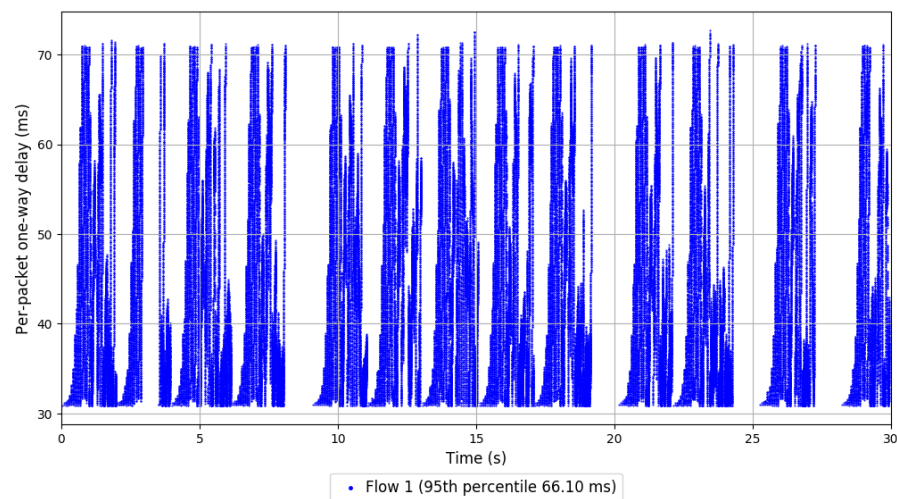
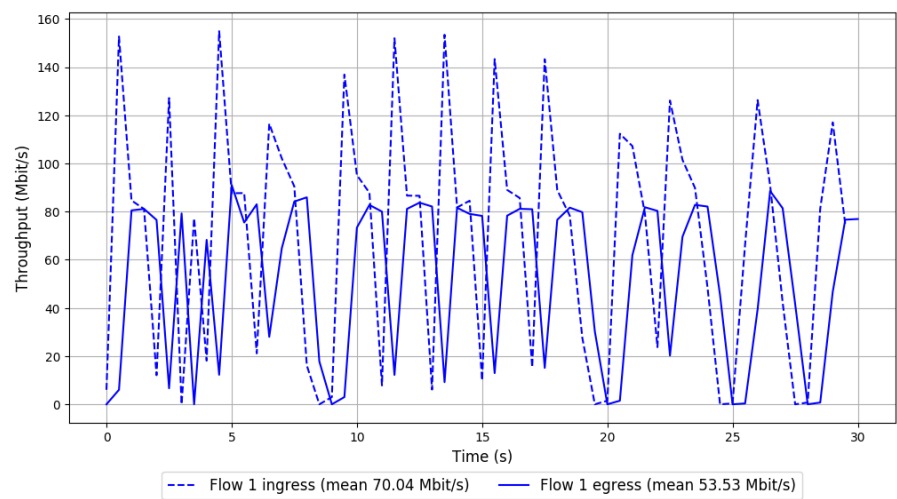
-- Flow 1:

Average throughput: 53.53 Mbit/s

95th percentile per-packet one-way delay: 66.103 ms

Loss rate: 23.55%

Run 5: Report of Verus — Data Link

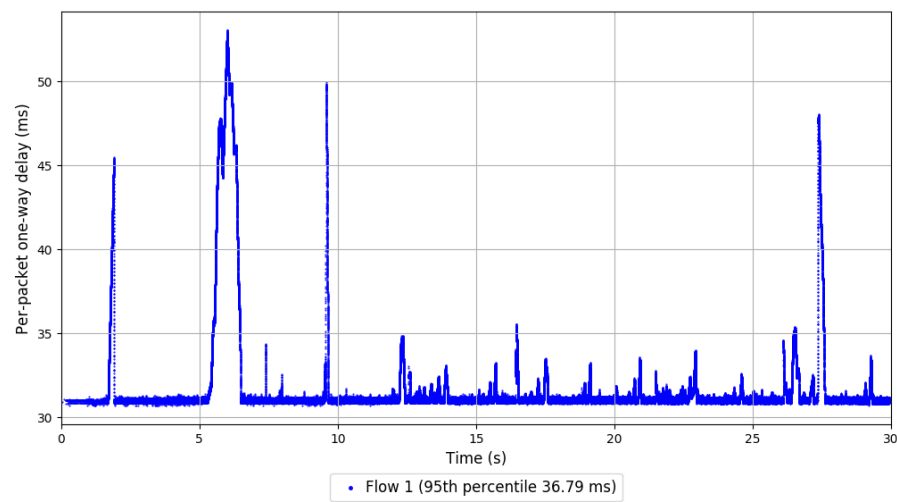
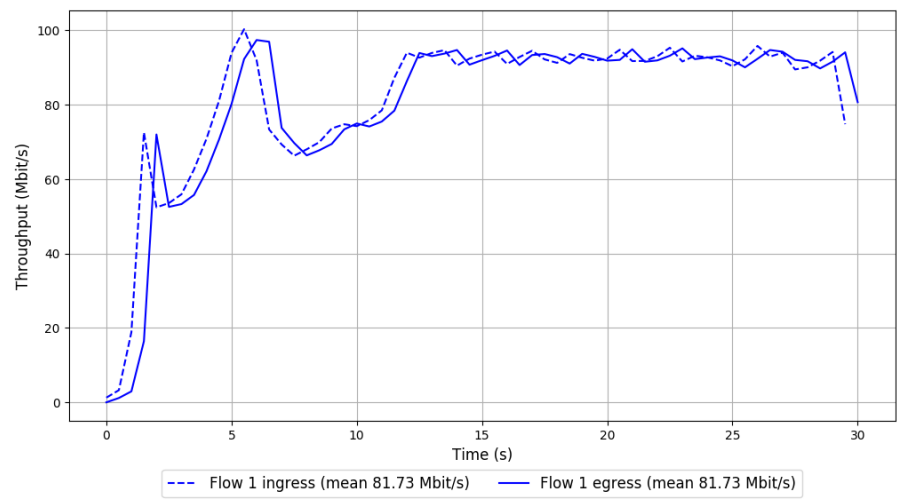


Run 1: Statistics of PCC-Vivace

Start at: 2019-01-18 18:50:41  
End at: 2019-01-18 18:51:11  
Local clock offset: 0.125 ms  
Remote clock offset: -2.495 ms

# Below is generated by plot.py at 2019-01-18 21:11:06  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 81.73 Mbit/s  
95th percentile per-packet one-way delay: 36.792 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 81.73 Mbit/s  
95th percentile per-packet one-way delay: 36.792 ms  
Loss rate: 0.01%

Run 1: Report of PCC-Vivace — Data Link



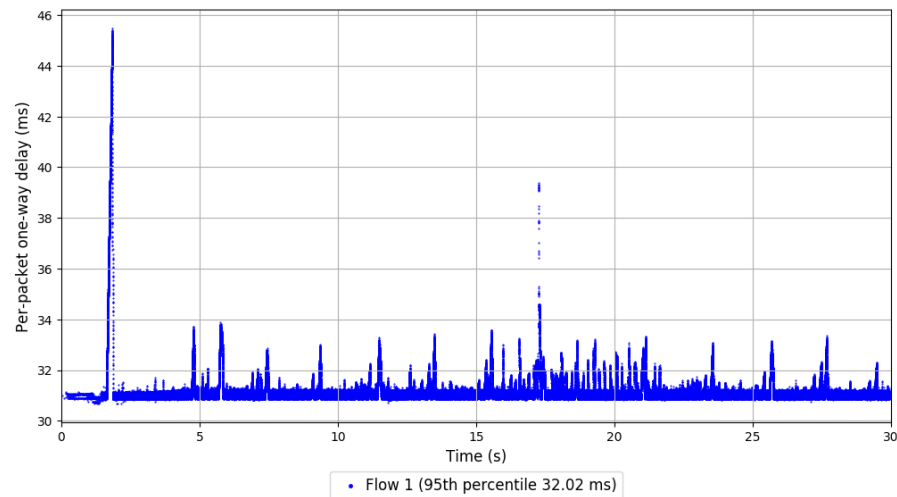
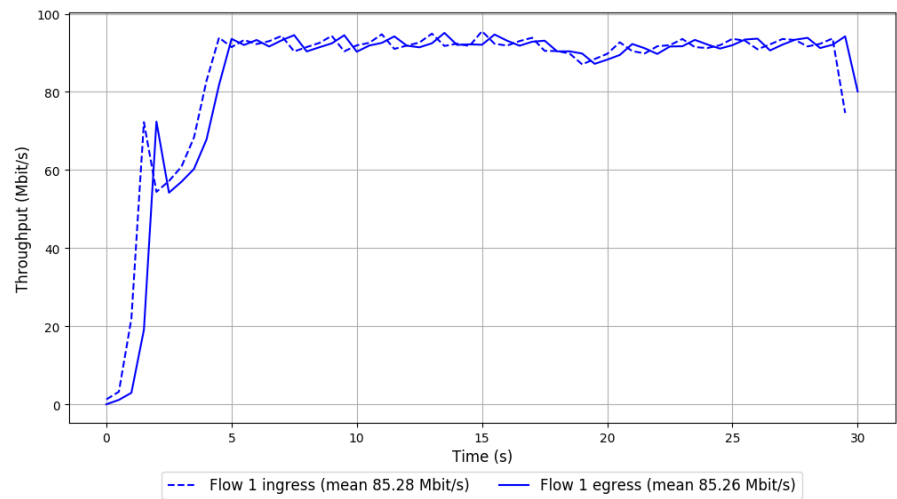


Run 2: Statistics of PCC-Vivace

Start at: 2019-01-18 19:16:13  
End at: 2019-01-18 19:16:43  
Local clock offset: -0.206 ms  
Remote clock offset: -2.045 ms

# Below is generated by plot.py at 2019-01-18 21:11:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.26 Mbit/s  
95th percentile per-packet one-way delay: 32.021 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 85.26 Mbit/s  
95th percentile per-packet one-way delay: 32.021 ms  
Loss rate: 0.02%

Run 2: Report of PCC-Vivace — Data Link

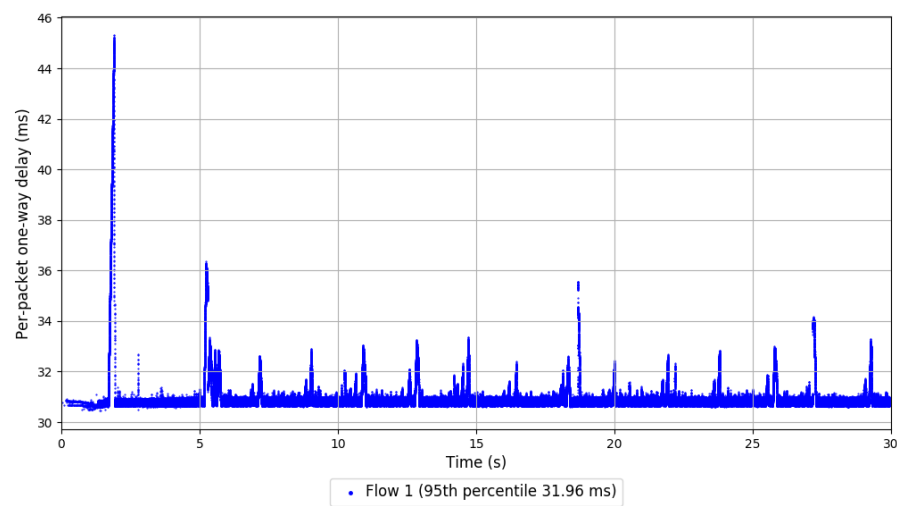
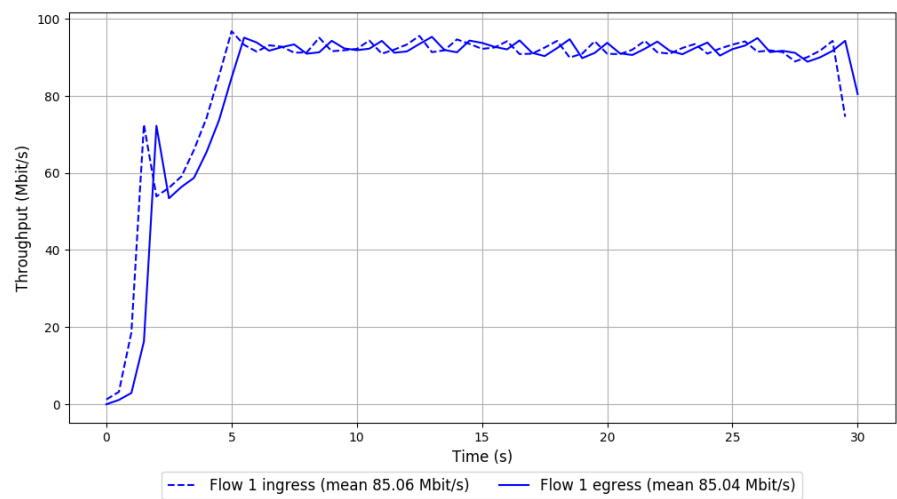


Run 3: Statistics of PCC-Vivace

Start at: 2019-01-18 19:42:22  
End at: 2019-01-18 19:42:52  
Local clock offset: -0.313 ms  
Remote clock offset: -1.888 ms

# Below is generated by plot.py at 2019-01-18 21:11:11  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.04 Mbit/s  
95th percentile per-packet one-way delay: 31.957 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 85.04 Mbit/s  
95th percentile per-packet one-way delay: 31.957 ms  
Loss rate: 0.02%

Run 3: Report of PCC-Vivace — Data Link

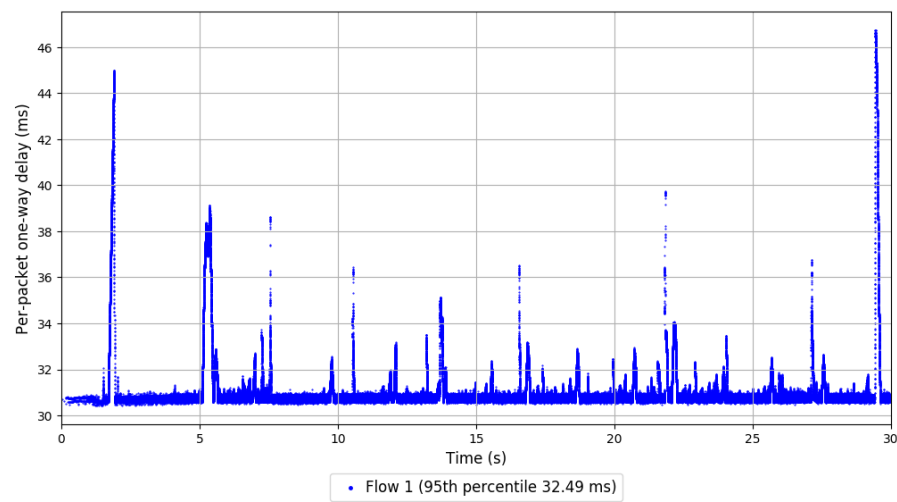
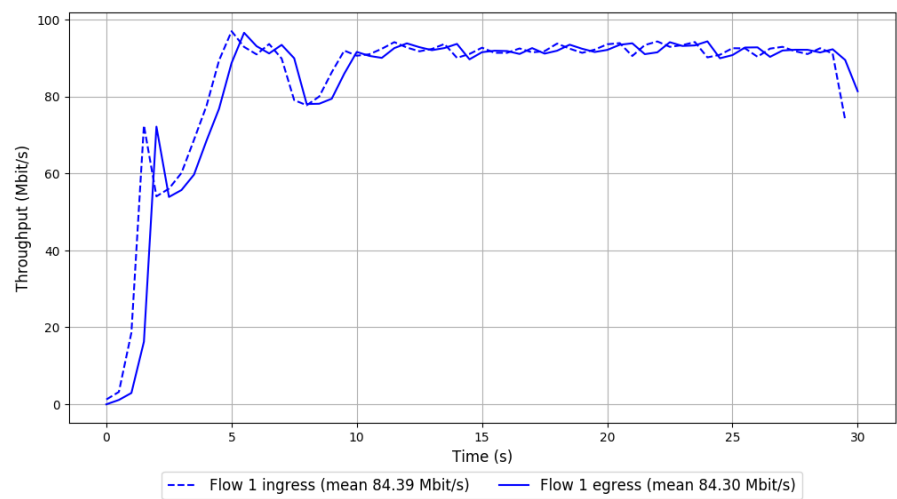


Run 4: Statistics of PCC-Vivace

Start at: 2019-01-18 20:08:25  
End at: 2019-01-18 20:08:55  
Local clock offset: 0.143 ms  
Remote clock offset: -1.653 ms

# Below is generated by plot.py at 2019-01-18 21:11:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.30 Mbit/s  
95th percentile per-packet one-way delay: 32.495 ms  
Loss rate: 0.11%  
-- Flow 1:  
Average throughput: 84.30 Mbit/s  
95th percentile per-packet one-way delay: 32.495 ms  
Loss rate: 0.11%

Run 4: Report of PCC-Vivace — Data Link

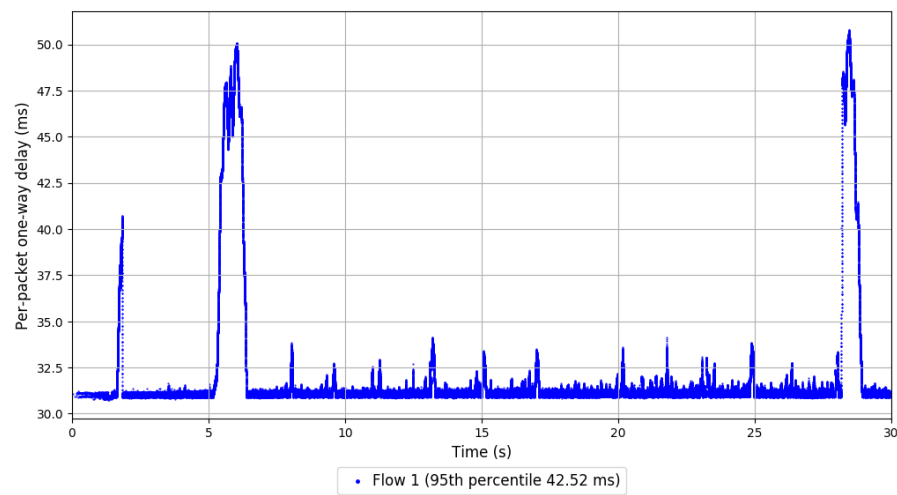
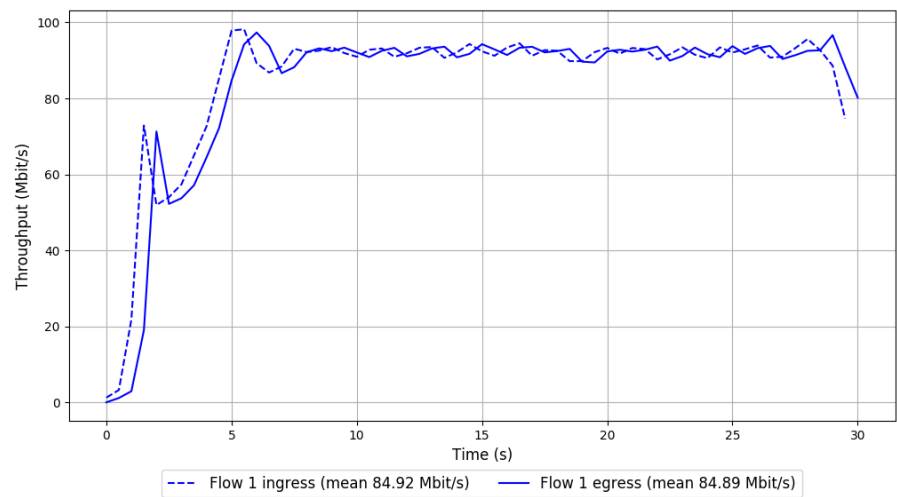


Run 5: Statistics of PCC-Vivace

Start at: 2019-01-18 20:34:39  
End at: 2019-01-18 20:35:10  
Local clock offset: -0.189 ms  
Remote clock offset: -1.696 ms

# Below is generated by plot.py at 2019-01-18 21:11:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.89 Mbit/s  
95th percentile per-packet one-way delay: 42.516 ms  
Loss rate: 0.03%  
-- Flow 1:  
Average throughput: 84.89 Mbit/s  
95th percentile per-packet one-way delay: 42.516 ms  
Loss rate: 0.03%

Run 5: Report of PCC-Vivace — Data Link



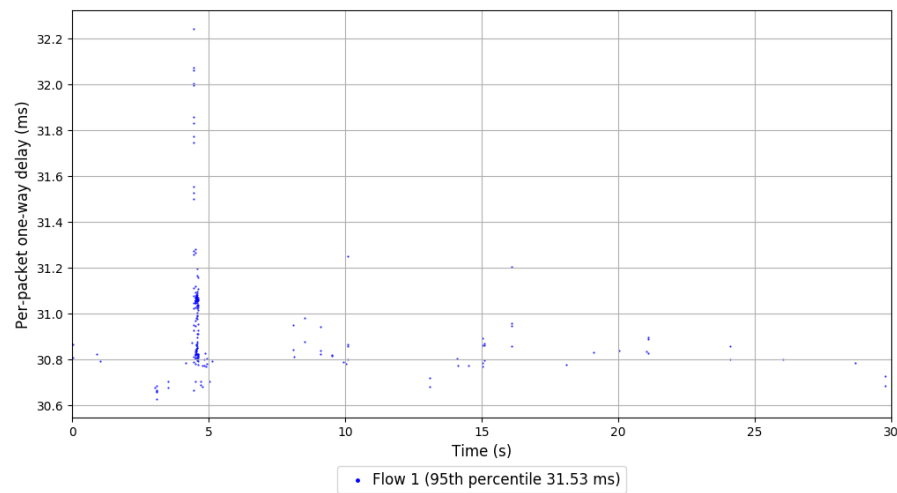
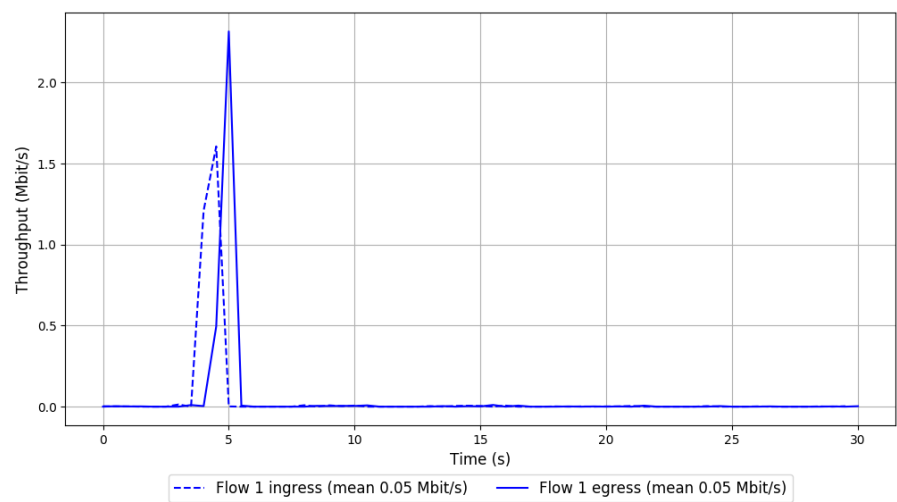


Run 1: Statistics of WebRTC media

Start at: 2019-01-18 18:58:47  
End at: 2019-01-18 18:59:17  
Local clock offset: -0.176 ms  
Remote clock offset: -2.508 ms

# Below is generated by plot.py at 2019-01-18 21:11:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 31.527 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 31.527 ms  
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

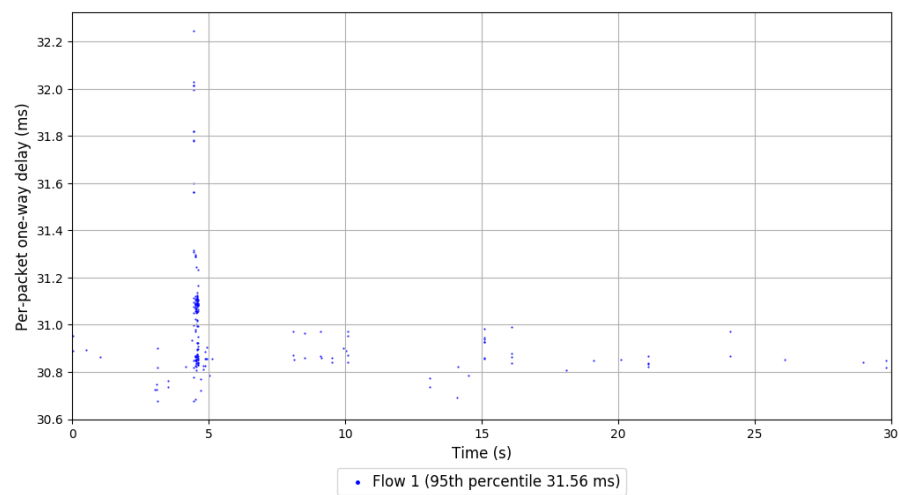
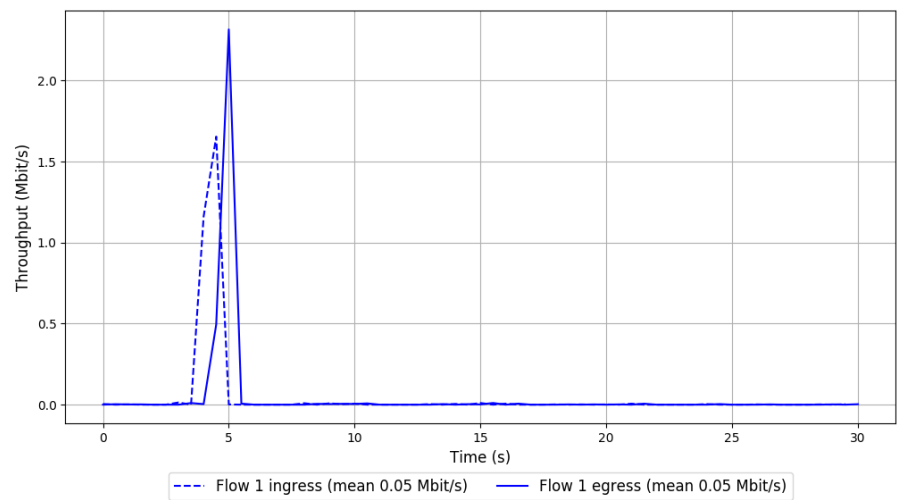


Run 2: Statistics of WebRTC media

Start at: 2019-01-18 19:24:46  
End at: 2019-01-18 19:25:16  
Local clock offset: -0.333 ms  
Remote clock offset: -1.898 ms

# Below is generated by plot.py at 2019-01-18 21:11:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 31.563 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 31.563 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link

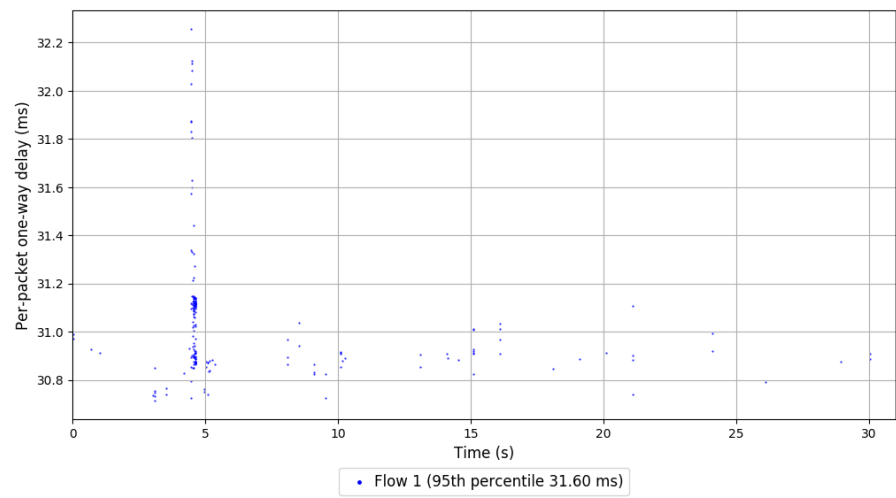
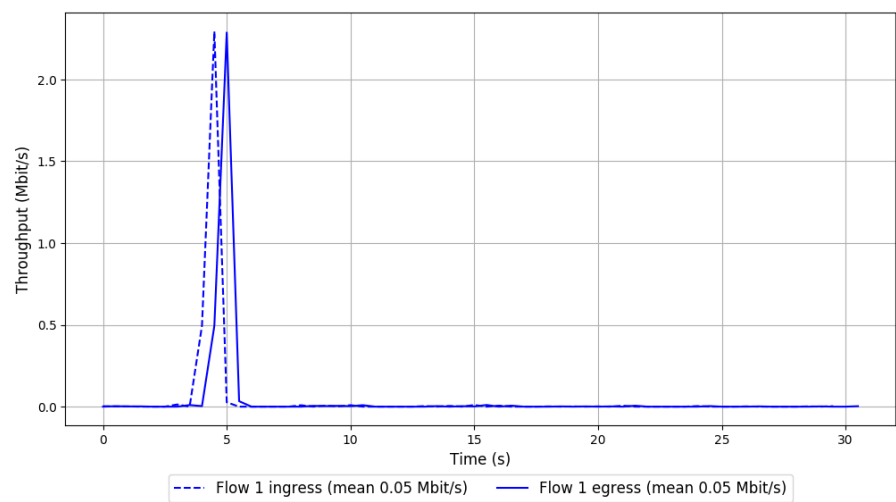


Run 3: Statistics of WebRTC media

Start at: 2019-01-18 19:50:48  
End at: 2019-01-18 19:51:18  
Local clock offset: -0.179 ms  
Remote clock offset: -1.561 ms

# Below is generated by plot.py at 2019-01-18 21:11:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 31.598 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 31.598 ms  
Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link



Run 4: Statistics of WebRTC media

Start at: 2019-01-18 20:17:00

End at: 2019-01-18 20:17:30

Local clock offset: 0.25 ms

Remote clock offset: -1.3 ms

# Below is generated by plot.py at 2019-01-18 21:11:12

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 31.608 ms

Loss rate: 0.00%

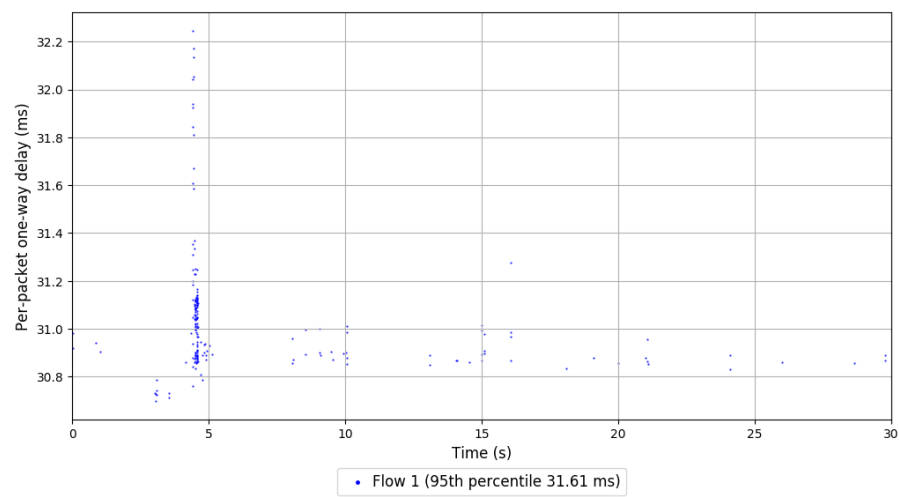
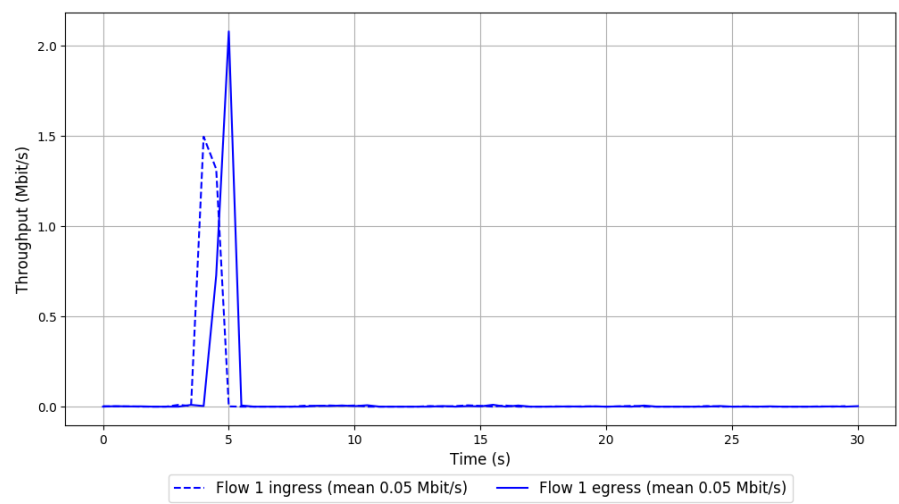
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 31.608 ms

Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link





Run 5: Statistics of WebRTC media

Start at: 2019-01-18 20:43:16  
End at: 2019-01-18 20:43:46  
Local clock offset: -0.206 ms  
Remote clock offset: -1.713 ms

# Below is generated by plot.py at 2019-01-18 21:11:12  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 31.694 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 31.694 ms  
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

