

## Pantheon Report

Generated at 2019-01-17 10:22:57 (UTC).

Data path: AWS Korea on `ens5` (*local*) → China on `eno1` (*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 `ntp.nict.jp` and have been applied to correct the timestamps in logs.

### System info:

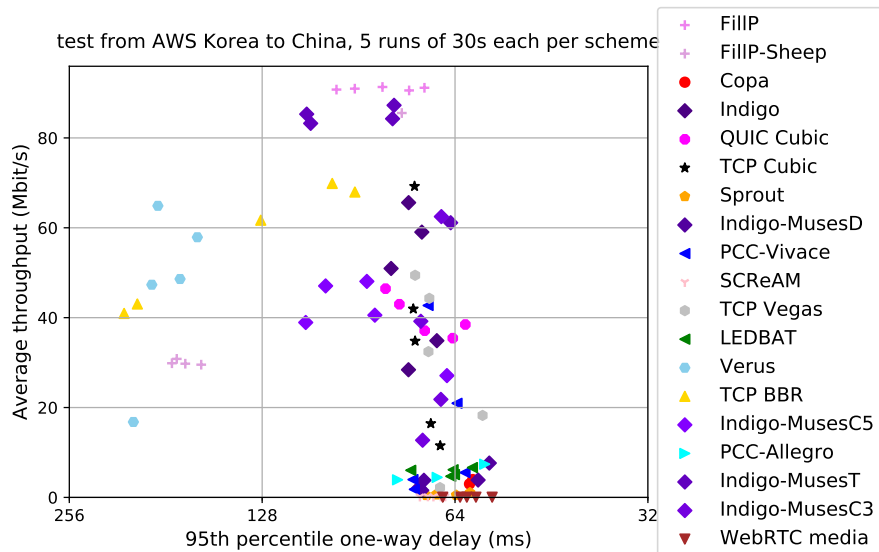
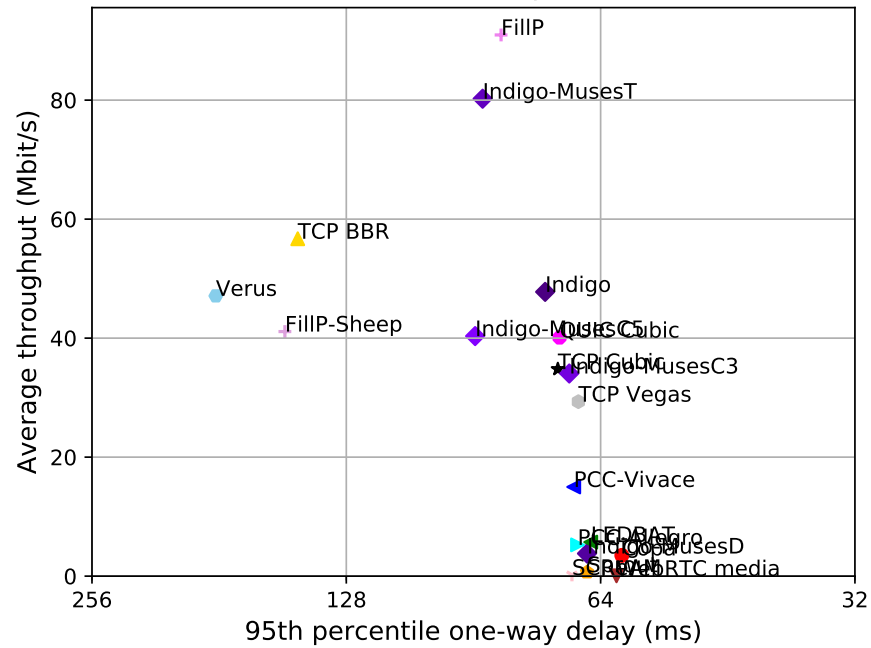
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

### 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 Korea to China, 5 runs of 30s each per scheme  
(mean of all runs by scheme)



| scheme         | # runs | mean avg tput (Mbit/s)<br>flow 1 | mean 95th-%ile delay (ms)<br>flow 1 | mean loss rate (%)<br>flow 1 |
|----------------|--------|----------------------------------|-------------------------------------|------------------------------|
| TCP BBR        | 5      | 56.70                            | 146.11                              | 18.11                        |
| Copa           | 2      | 3.48                             | 60.40                               | 0.00                         |
| TCP Cubic      | 5      | 34.79                            | 71.91                               | 0.66                         |
| FillP          | 5      | 90.96                            | 83.95                               | 1.76                         |
| FillP-Sheep    | 5      | 41.10                            | 151.32                              | 4.40                         |
| Indigo         | 5      | 47.78                            | 74.45                               | 0.23                         |
| Indigo-MusesC3 | 4      | 34.05                            | 69.71                               | 0.01                         |
| Indigo-MusesC5 | 5      | 40.34                            | 90.10                               | 0.04                         |
| Indigo-MusesD  | 5      | 3.80                             | 66.42                               | 0.02                         |
| Indigo-MusesT  | 5      | 80.24                            | 88.28                               | 0.03                         |
| LEDBAT         | 5      | 5.72                             | 65.75                               | 0.03                         |
| PCC-Allegro    | 3      | 5.25                             | 68.15                               | 0.02                         |
| PCC-Expr       | 0      | N/A                              | N/A                                 | N/A                          |
| QUIC Cubic     | 5      | 40.10                            | 71.58                               | 0.00                         |
| SCReAM         | 5      | 0.21                             | 69.20                               | 0.00                         |
| Sprout         | 5      | 0.67                             | 66.41                               | 0.08                         |
| TaoVA-100x     | 0      | N/A                              | N/A                                 | N/A                          |
| TCP Vegas      | 5      | 29.32                            | 68.00                               | 1.01                         |
| Verus          | 5      | 47.10                            | 182.67                              | 9.60                         |
| PCC-Vivace     | 5      | 14.99                            | 68.87                               | 0.00                         |
| WebRTC media   | 5      | 0.05                             | 61.29                               | 0.00                         |

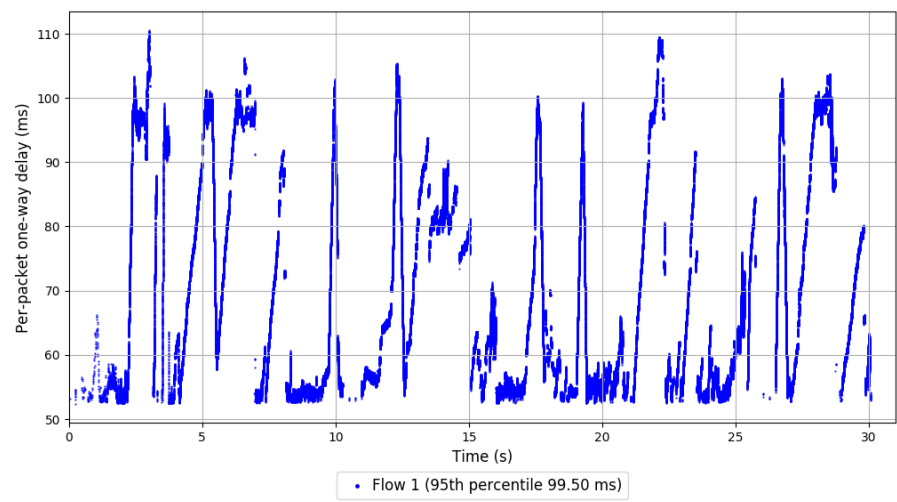
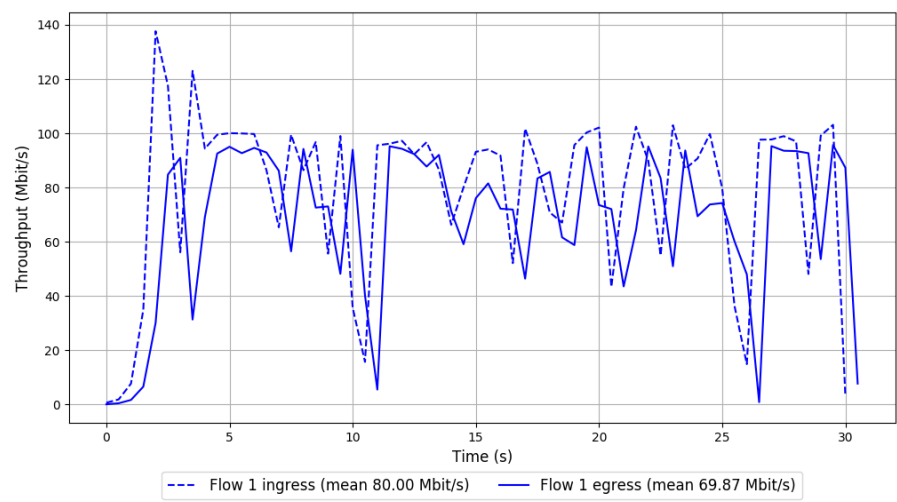


Run 1: Statistics of TCP BBR

Start at: 2019-01-17 06:43:34  
End at: 2019-01-17 06:44:04  
Local clock offset: -2.747 ms  
Remote clock offset: 49.065 ms

# Below is generated by plot.py at 2019-01-17 10:18:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 69.87 Mbit/s  
95th percentile per-packet one-way delay: 99.503 ms  
Loss rate: 12.66%  
-- Flow 1:  
Average throughput: 69.87 Mbit/s  
95th percentile per-packet one-way delay: 99.503 ms  
Loss rate: 12.66%

Run 1: Report of TCP BBR — Data Link

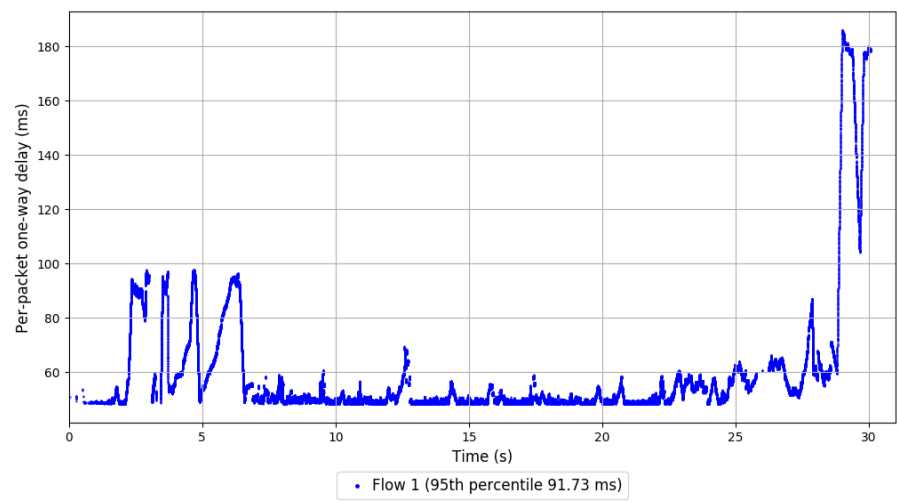
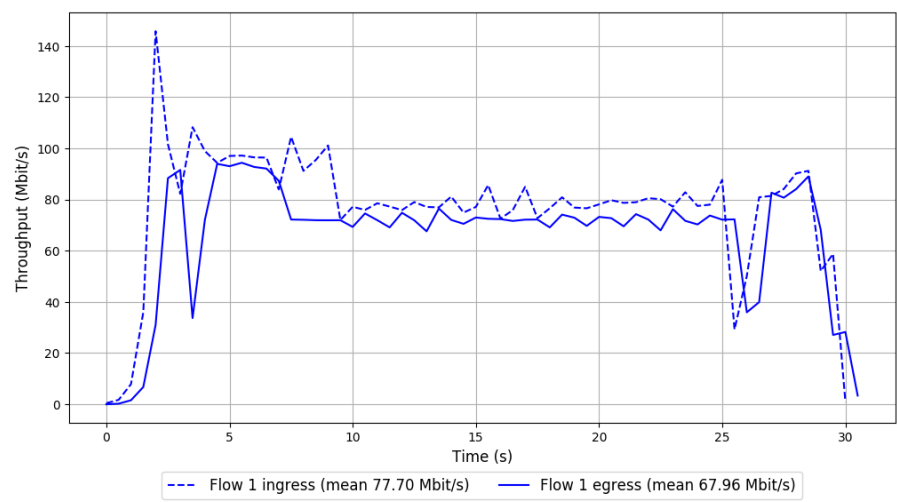


Run 2: Statistics of TCP BBR

Start at: 2019-01-17 07:14:49  
End at: 2019-01-17 07:15:19  
Local clock offset: 0.678 ms  
Remote clock offset: 51.702 ms

# Below is generated by plot.py at 2019-01-17 10:18:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 67.96 Mbit/s  
95th percentile per-packet one-way delay: 91.728 ms  
Loss rate: 12.49%  
-- Flow 1:  
Average throughput: 67.96 Mbit/s  
95th percentile per-packet one-way delay: 91.728 ms  
Loss rate: 12.49%

Run 2: Report of TCP BBR — Data Link

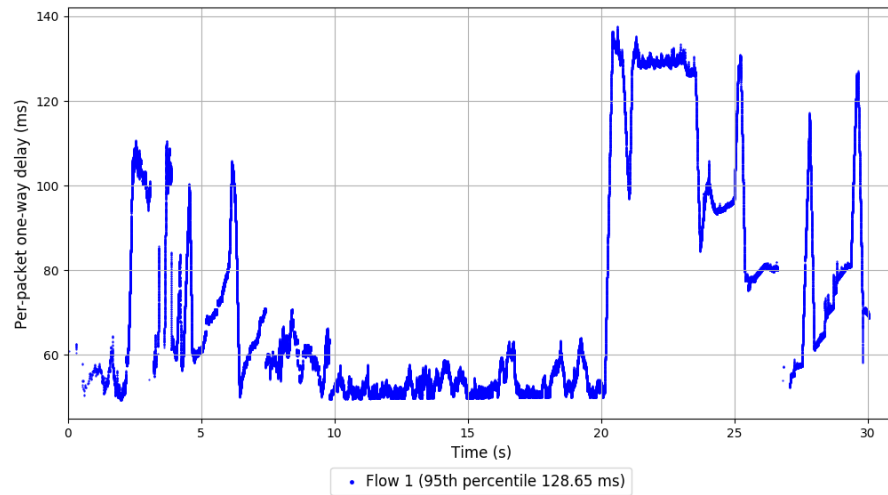
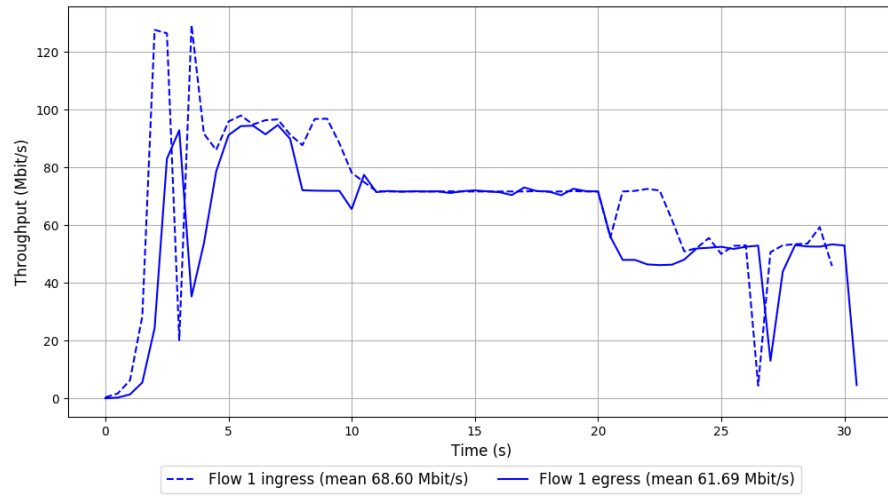


Run 3: Statistics of TCP BBR

Start at: 2019-01-17 07:50:43  
End at: 2019-01-17 07:51:13  
Local clock offset: -0.304 ms  
Remote clock offset: 44.964 ms

# Below is generated by plot.py at 2019-01-17 10:18:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 61.69 Mbit/s  
95th percentile per-packet one-way delay: 128.650 ms  
Loss rate: 10.07%  
-- Flow 1:  
Average throughput: 61.69 Mbit/s  
95th percentile per-packet one-way delay: 128.650 ms  
Loss rate: 10.07%

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

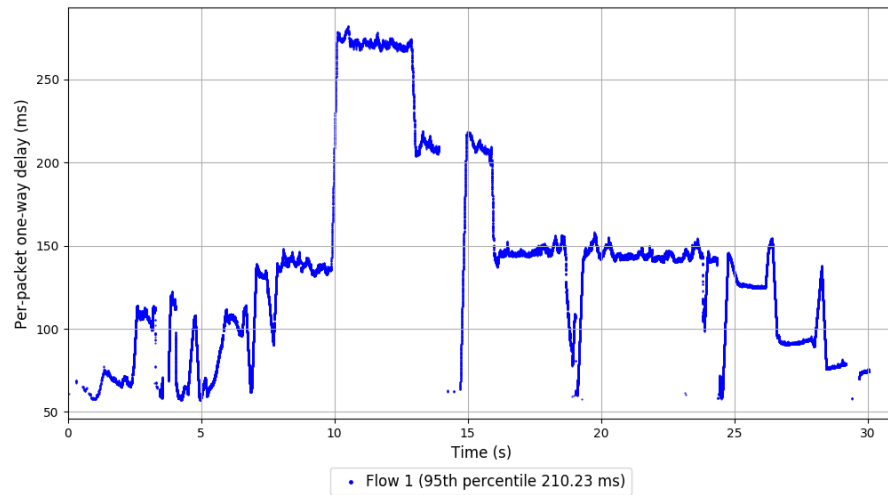
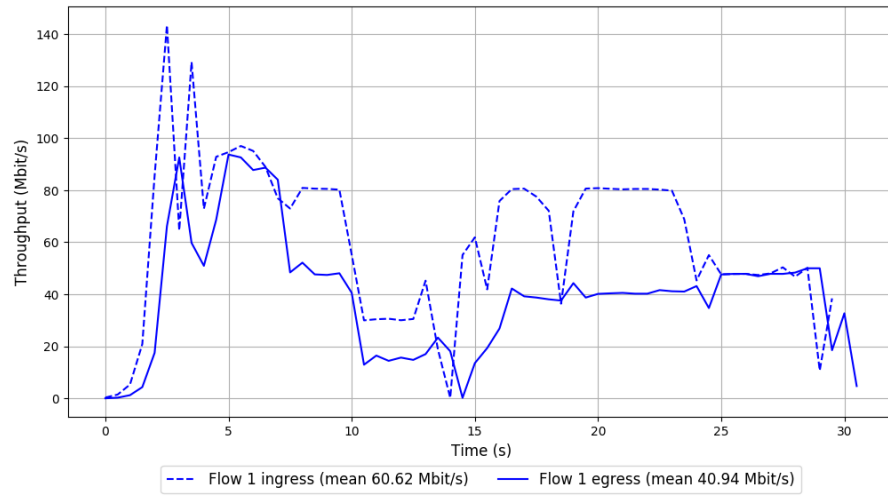


Run 4: Statistics of TCP BBR

Start at: 2019-01-17 08:40:08  
End at: 2019-01-17 08:40:38  
Local clock offset: -2.686 ms  
Remote clock offset: 53.815 ms

# Below is generated by plot.py at 2019-01-17 10:18:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 40.94 Mbit/s  
95th percentile per-packet one-way delay: 210.233 ms  
Loss rate: 32.44%  
-- Flow 1:  
Average throughput: 40.94 Mbit/s  
95th percentile per-packet one-way delay: 210.233 ms  
Loss rate: 32.44%

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





Run 5: Statistics of TCP BBR

Start at: 2019-01-17 09:36:33

End at: 2019-01-17 09:37:03

Local clock offset: 1.726 ms

Remote clock offset: 29.994 ms

# Below is generated by plot.py at 2019-01-17 10:18:46

# Datalink statistics

-- Total of 1 flow:

Average throughput: 43.05 Mbit/s

95th percentile per-packet one-way delay: 200.452 ms

Loss rate: 22.91%

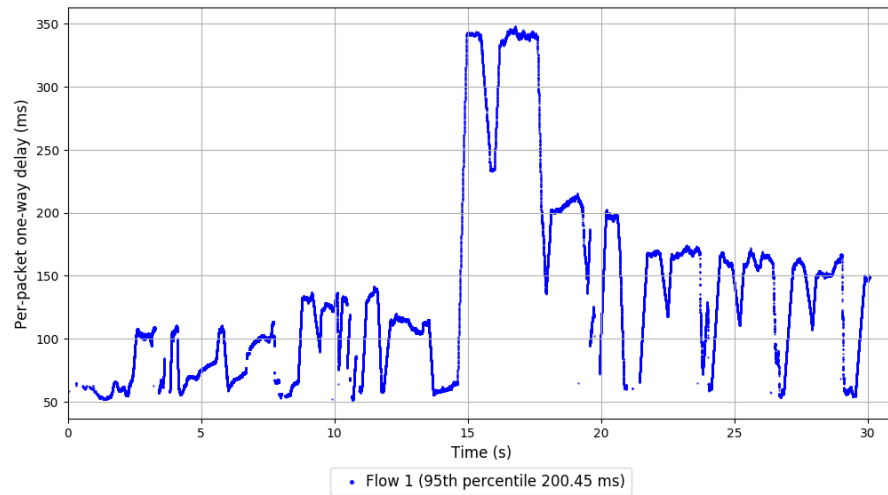
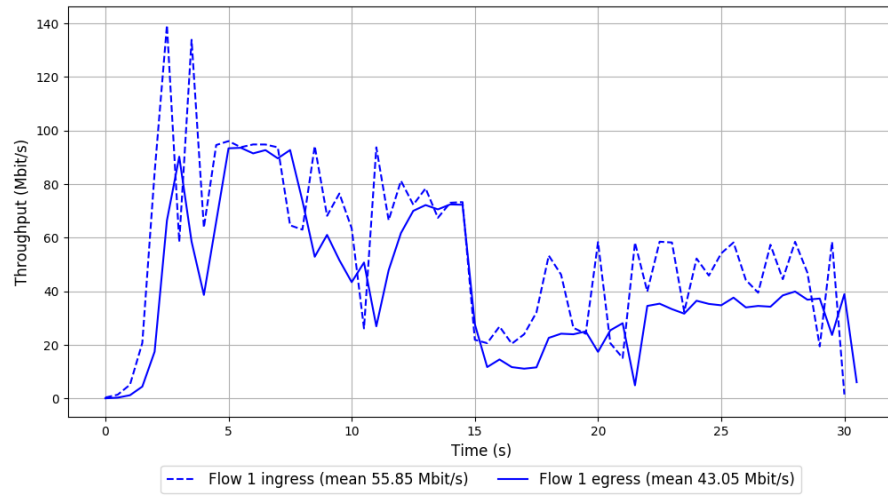
-- Flow 1:

Average throughput: 43.05 Mbit/s

95th percentile per-packet one-way delay: 200.452 ms

Loss rate: 22.91%

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

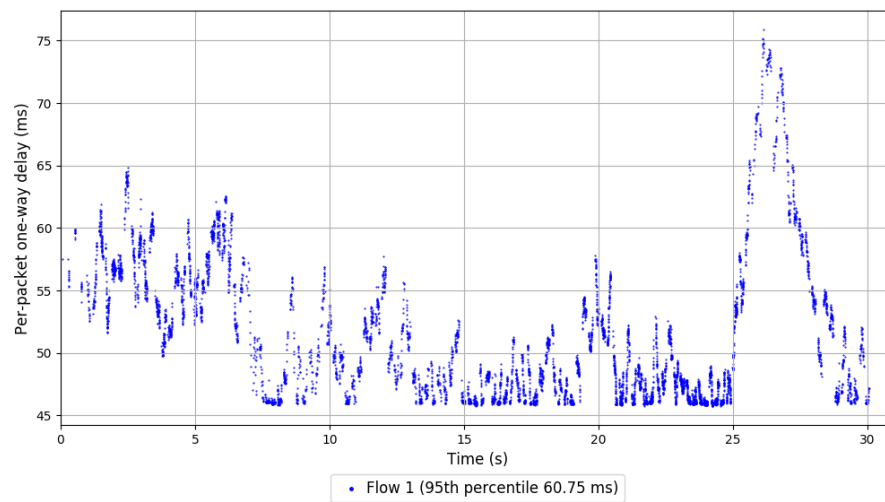
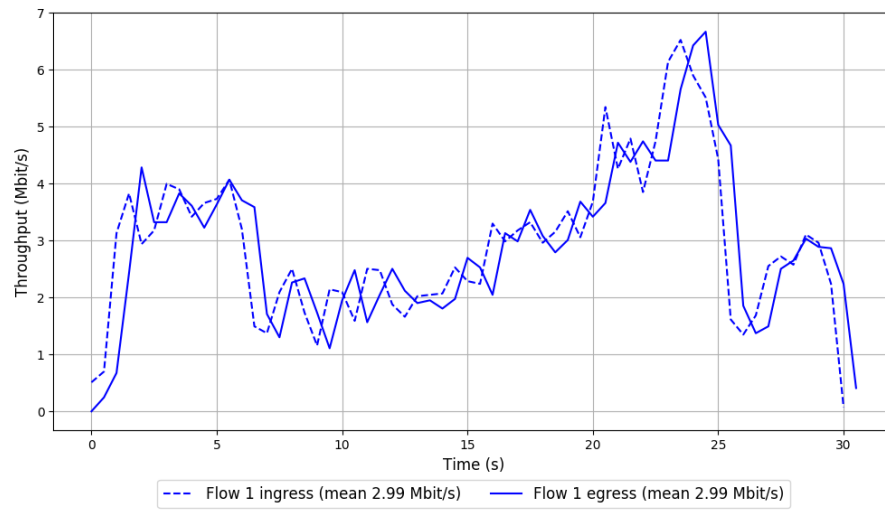


Run 1: Statistics of Copa

Start at: 2019-01-17 07:01:31  
End at: 2019-01-17 07:02:01  
Local clock offset: 0.252 ms  
Remote clock offset: 48.967 ms

# Below is generated by plot.py at 2019-01-17 10:18:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.99 Mbit/s  
95th percentile per-packet one-way delay: 60.753 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.99 Mbit/s  
95th percentile per-packet one-way delay: 60.753 ms  
Loss rate: 0.00%

### Run 1: Report of Copa — Data Link

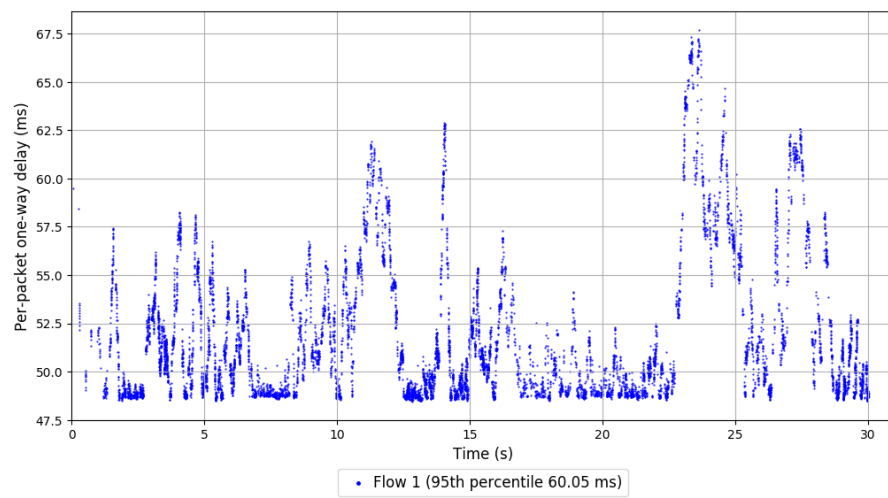
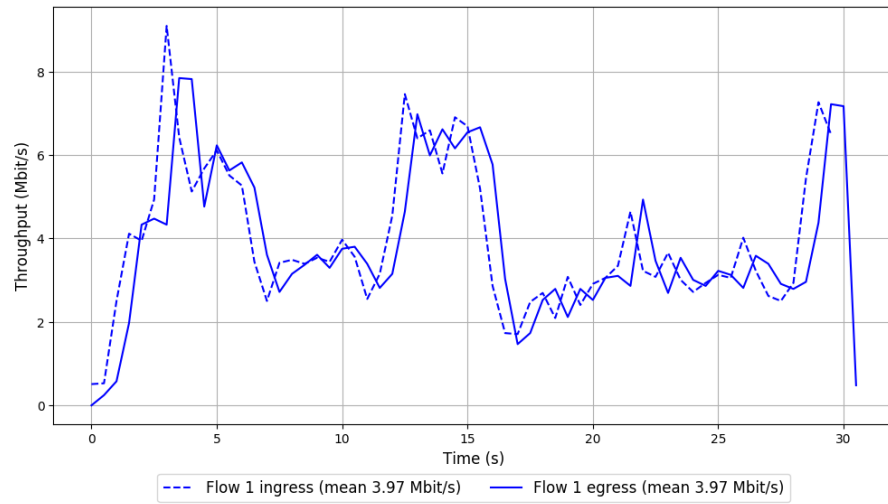


Run 2: Statistics of Copa

Start at: 2019-01-17 07:35:32  
End at: 2019-01-17 07:36:02  
Local clock offset: -0.735 ms  
Remote clock offset: 50.529 ms

# Below is generated by plot.py at 2019-01-17 10:18:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.97 Mbit/s  
95th percentile per-packet one-way delay: 60.049 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 3.97 Mbit/s  
95th percentile per-packet one-way delay: 60.049 ms  
Loss rate: 0.00%

## Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

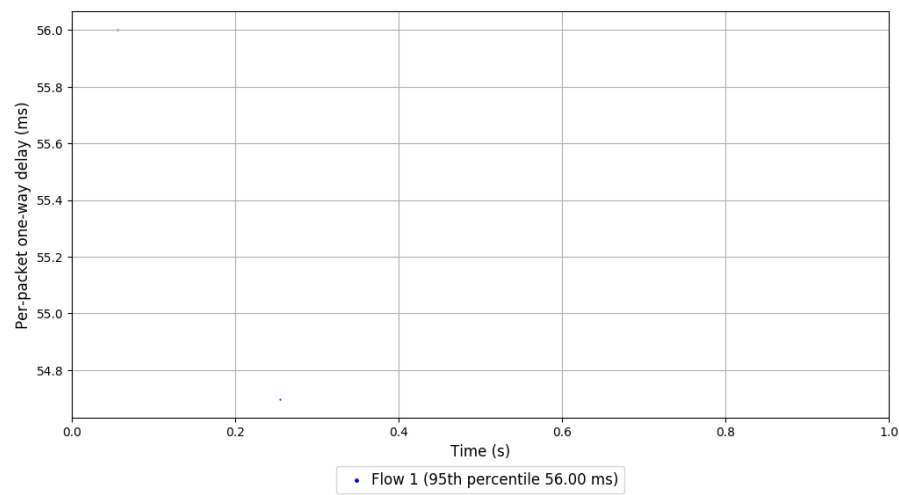
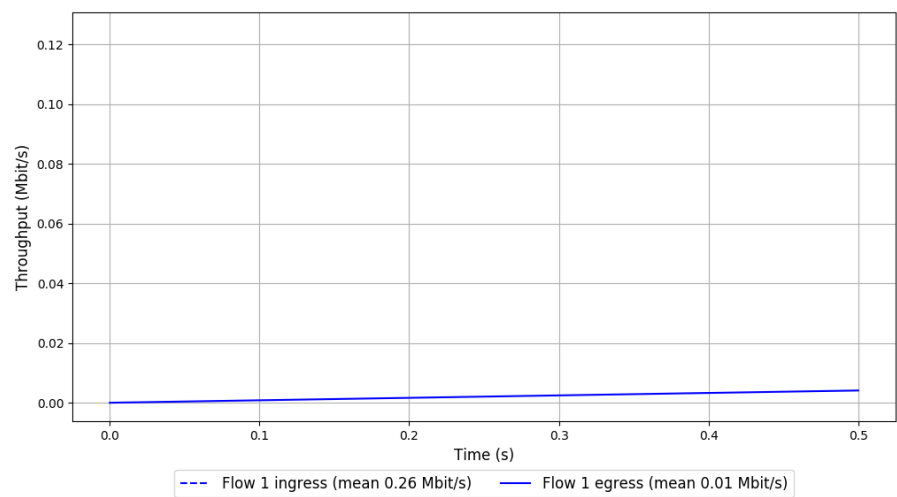
Start at: 2019-01-17 08:18:30

End at: 2019-01-17 08:19:00

Local clock offset: 1.869 ms

Remote clock offset: 14.701 ms

Run 3: Report of Copa — Data Link





Run 4: Statistics of Copa

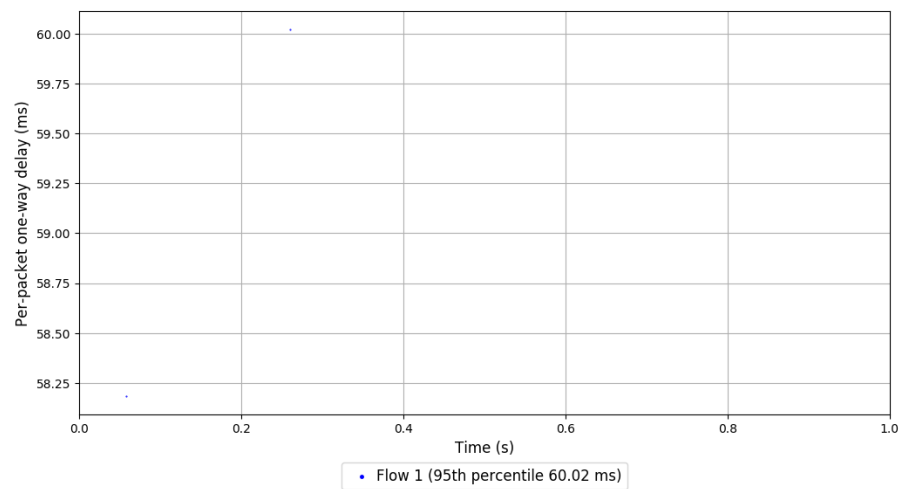
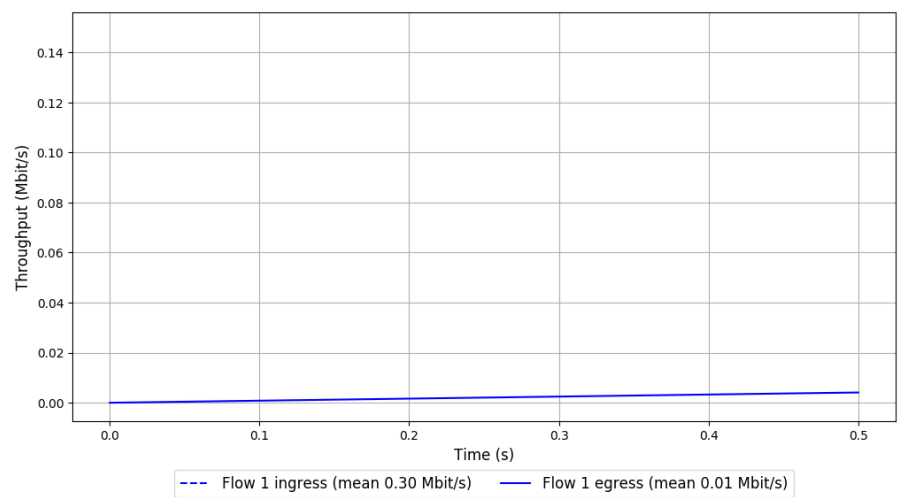
Start at: 2019-01-17 09:14:30

End at: 2019-01-17 09:15:00

Local clock offset: 4.329 ms

Remote clock offset: 42.19 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

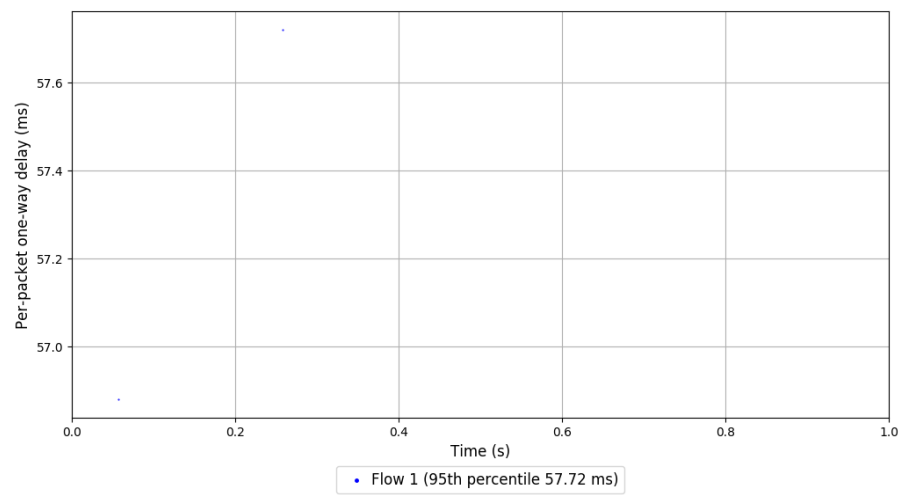
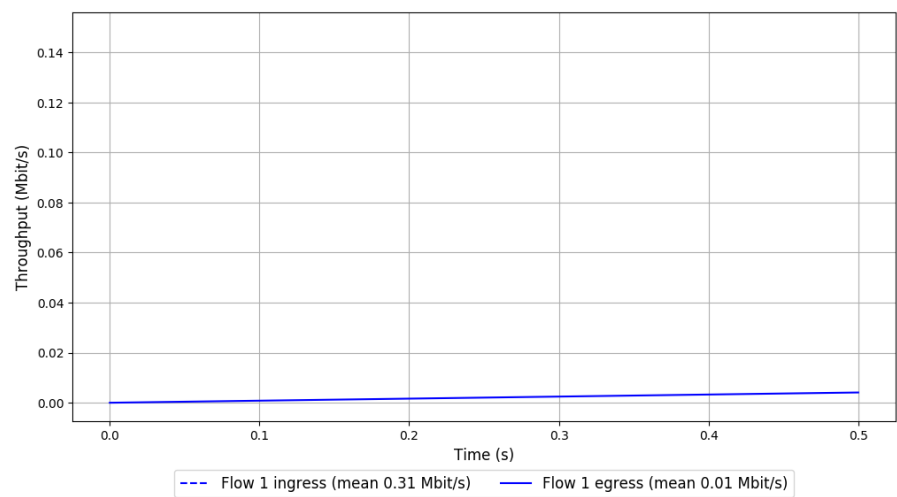
Start at: 2019-01-17 10:09:52

End at: 2019-01-17 10:10:22

Local clock offset: 2.336 ms

Remote clock offset: 21.13 ms

Run 5: Report of Copa — Data Link

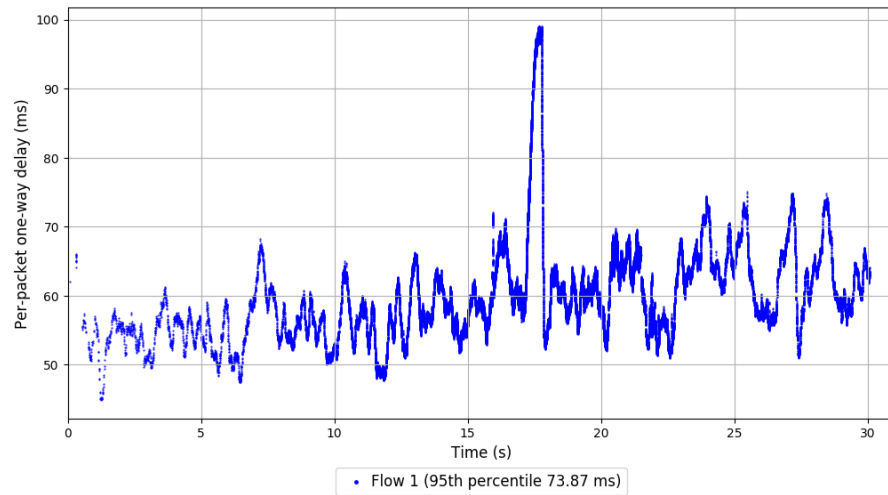
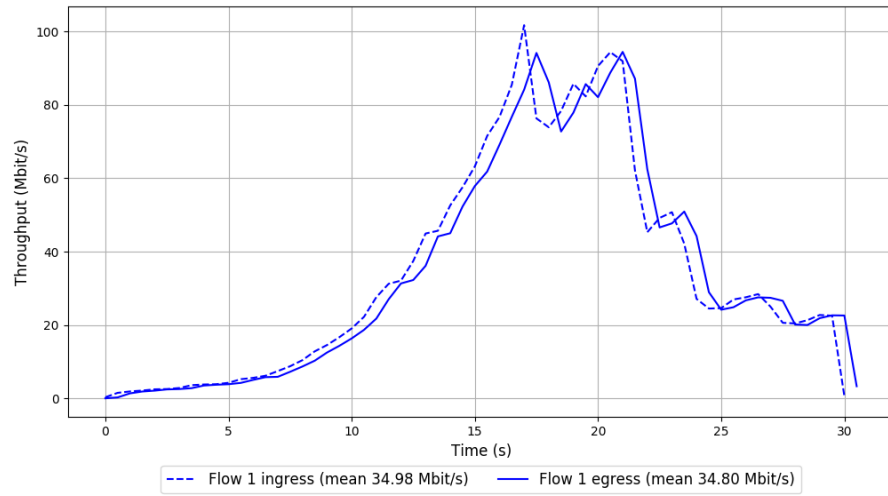


Run 1: Statistics of TCP Cubic

Start at: 2019-01-17 06:31:00  
End at: 2019-01-17 06:31:30  
Local clock offset: 1.026 ms  
Remote clock offset: 49.805 ms

# Below is generated by plot.py at 2019-01-17 10:18:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 34.80 Mbit/s  
95th percentile per-packet one-way delay: 73.873 ms  
Loss rate: 0.50%  
-- Flow 1:  
Average throughput: 34.80 Mbit/s  
95th percentile per-packet one-way delay: 73.873 ms  
Loss rate: 0.50%

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

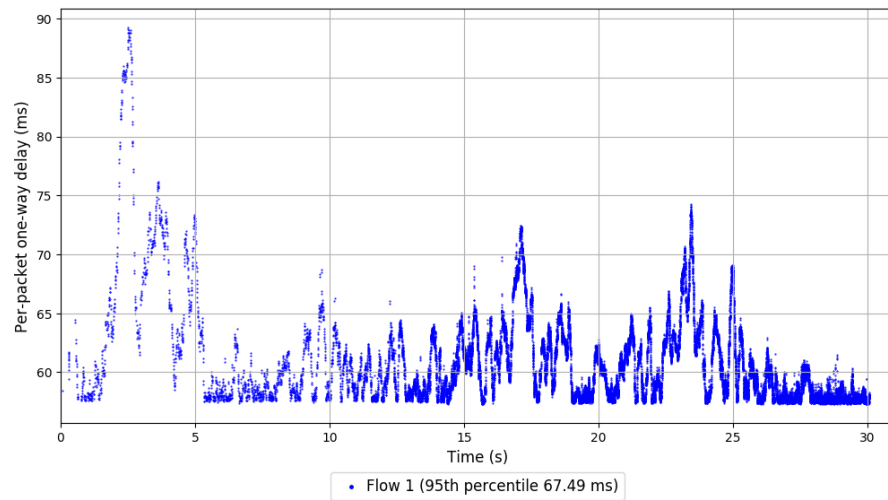
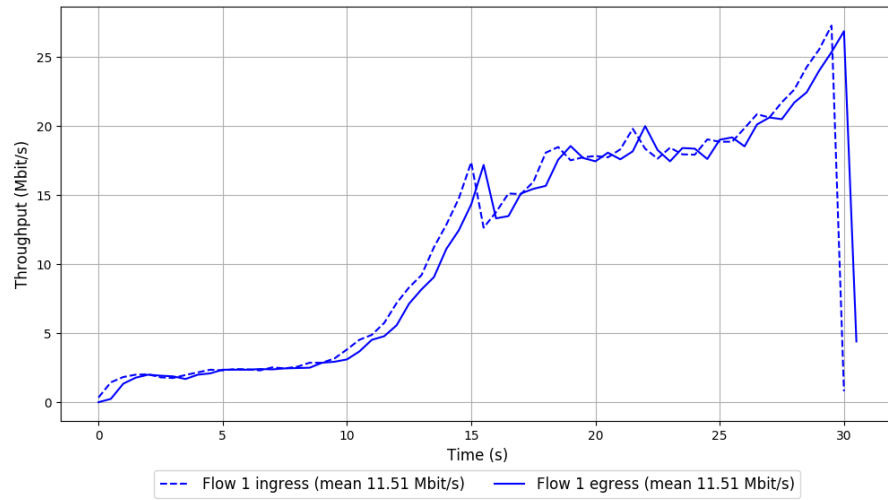


Run 2: Statistics of TCP Cubic

Start at: 2019-01-17 07:05:46  
End at: 2019-01-17 07:06:16  
Local clock offset: 0.597 ms  
Remote clock offset: 51.349 ms

# Below is generated by plot.py at 2019-01-17 10:18:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 11.51 Mbit/s  
95th percentile per-packet one-way delay: 67.490 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 11.51 Mbit/s  
95th percentile per-packet one-way delay: 67.490 ms  
Loss rate: 0.01%

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



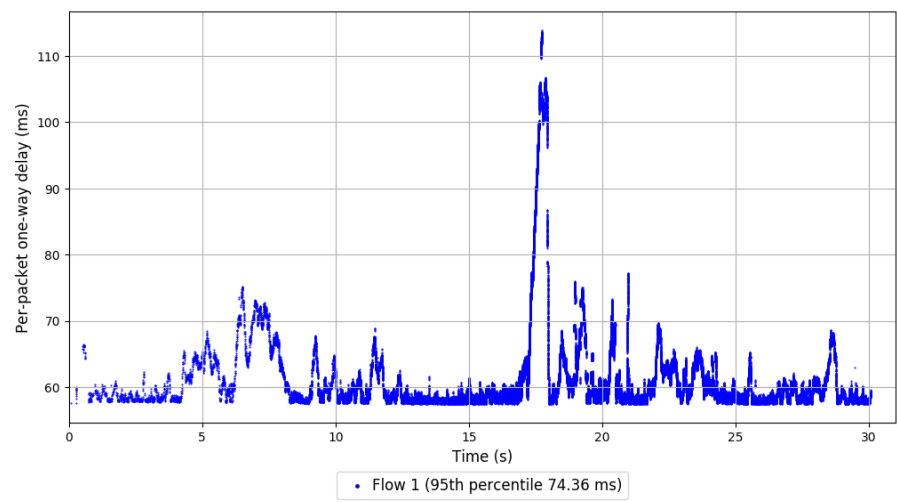
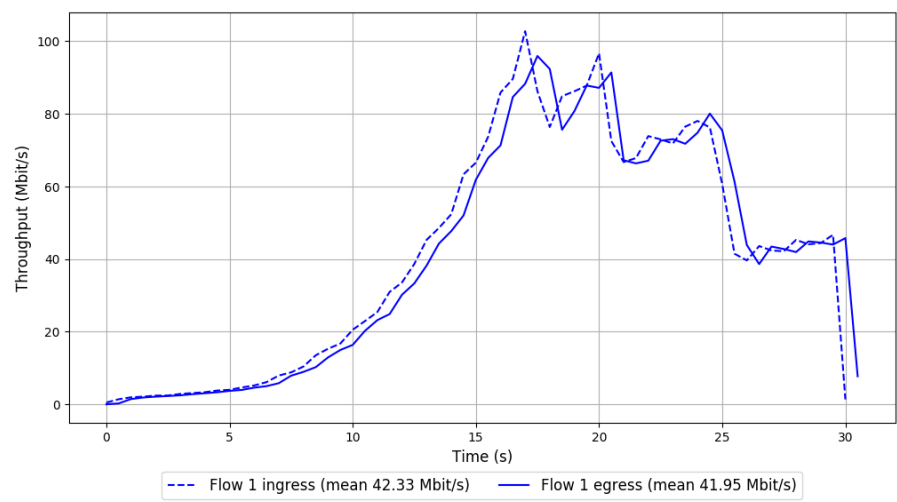


Run 3: Statistics of TCP Cubic

Start at: 2019-01-17 07:40:02  
End at: 2019-01-17 07:40:32  
Local clock offset: -1.081 ms  
Remote clock offset: 50.164 ms

# Below is generated by plot.py at 2019-01-17 10:18:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 41.95 Mbit/s  
95th percentile per-packet one-way delay: 74.356 ms  
Loss rate: 0.89%  
-- Flow 1:  
Average throughput: 41.95 Mbit/s  
95th percentile per-packet one-way delay: 74.356 ms  
Loss rate: 0.89%

Run 3: Report of TCP Cubic — Data Link

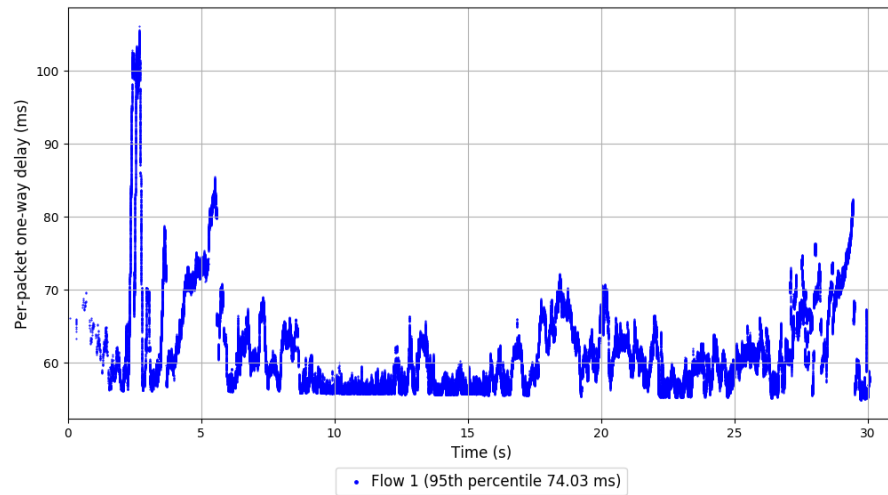
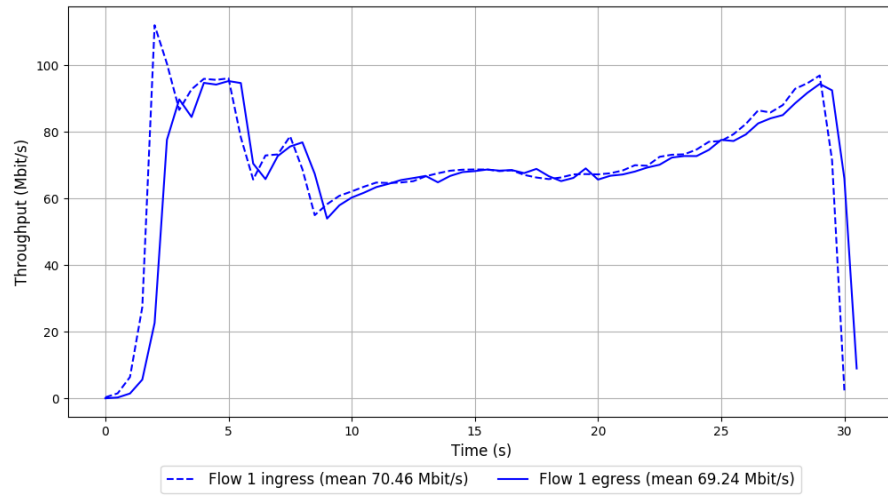


Run 4: Statistics of TCP Cubic

Start at: 2019-01-17 08:28:29  
End at: 2019-01-17 08:28:59  
Local clock offset: -1.134 ms  
Remote clock offset: 35.336 ms

# Below is generated by plot.py at 2019-01-17 10:18:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 69.24 Mbit/s  
95th percentile per-packet one-way delay: 74.027 ms  
Loss rate: 1.76%  
-- Flow 1:  
Average throughput: 69.24 Mbit/s  
95th percentile per-packet one-way delay: 74.027 ms  
Loss rate: 1.76%

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

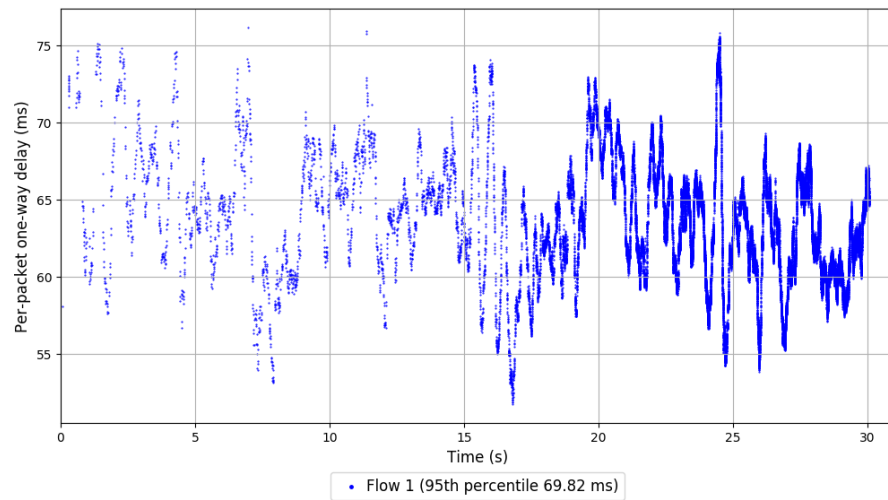
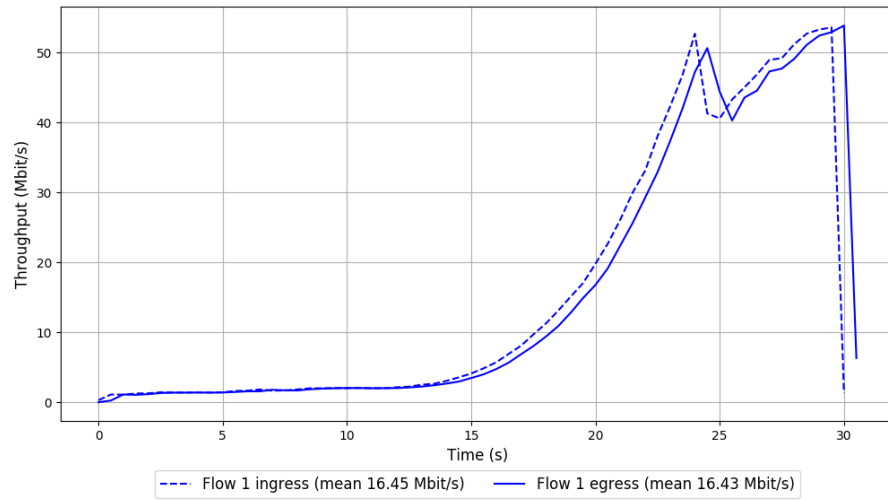


Run 5: Statistics of TCP Cubic

Start at: 2019-01-17 09:22:54  
End at: 2019-01-17 09:23:24  
Local clock offset: 2.982 ms  
Remote clock offset: 44.964 ms

# Below is generated by plot.py at 2019-01-17 10:18:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 16.43 Mbit/s  
95th percentile per-packet one-way delay: 69.820 ms  
Loss rate: 0.12%  
-- Flow 1:  
Average throughput: 16.43 Mbit/s  
95th percentile per-packet one-way delay: 69.820 ms  
Loss rate: 0.12%

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



Run 1: Statistics of FillP

Start at: 2019-01-17 06:56:13

End at: 2019-01-17 06:56:43

Local clock offset: -0.207 ms

Remote clock offset: 51.57 ms

# Below is generated by plot.py at 2019-01-17 10:19:45

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.57 Mbit/s

95th percentile per-packet one-way delay: 75.483 ms

Loss rate: 1.59%

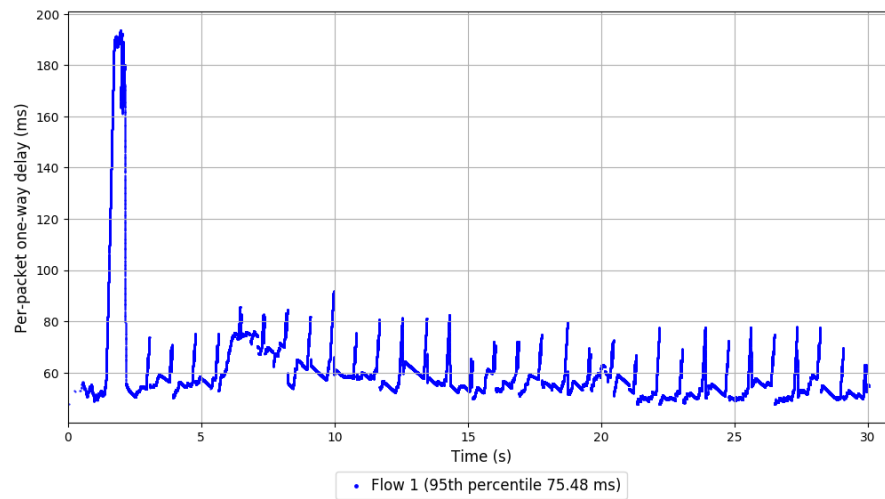
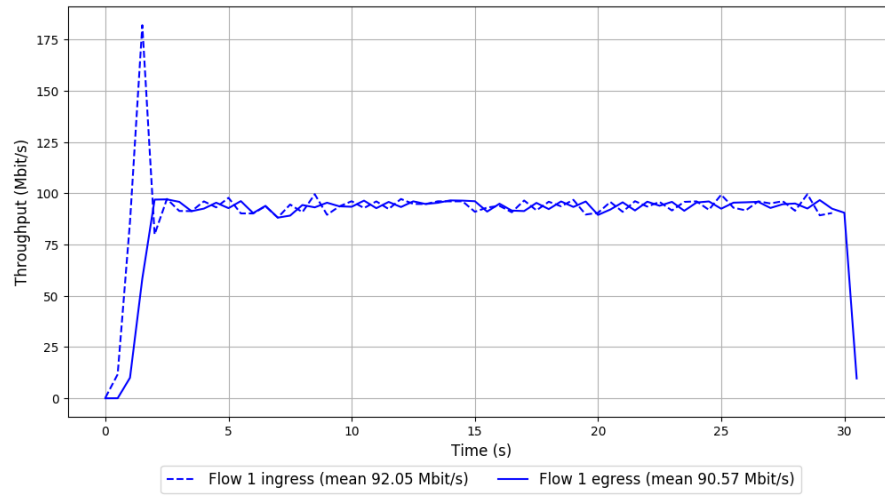
-- Flow 1:

Average throughput: 90.57 Mbit/s

95th percentile per-packet one-way delay: 75.483 ms

Loss rate: 1.59%

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



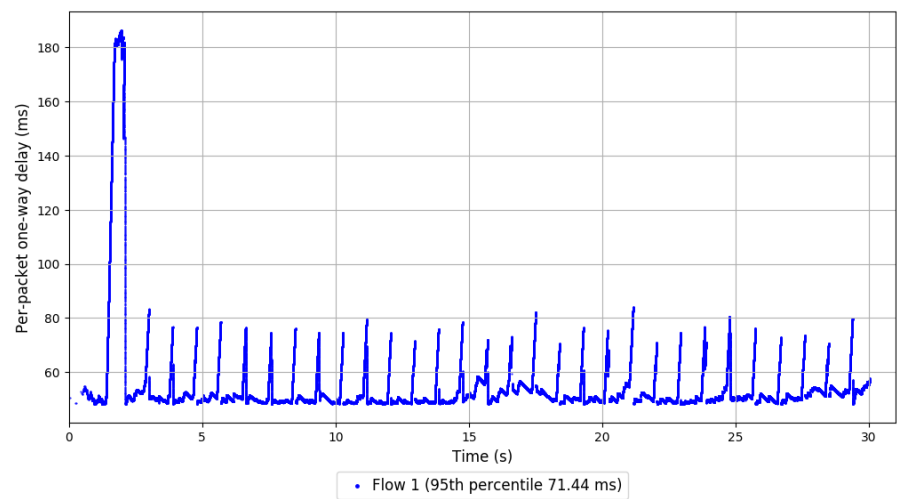
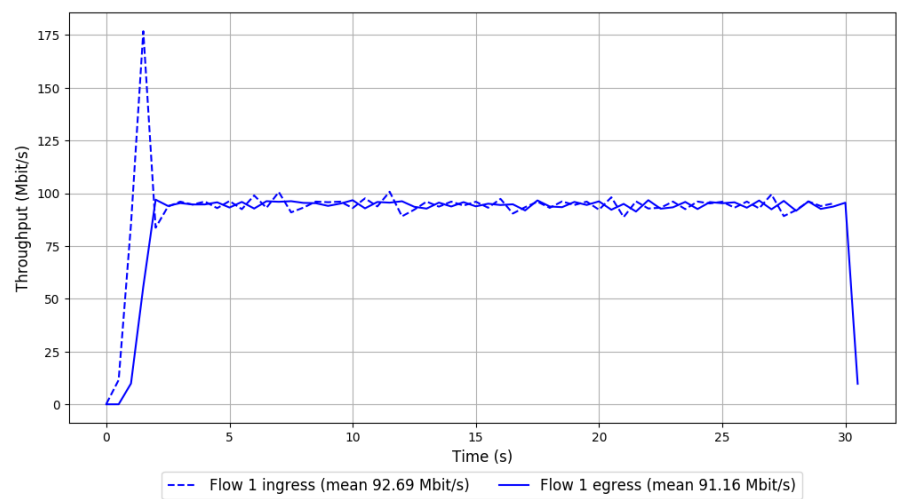


Run 2: Statistics of FillP

Start at: 2019-01-17 07:30:30  
End at: 2019-01-17 07:31:00  
Local clock offset: -0.439 ms  
Remote clock offset: 51.122 ms

# Below is generated by plot.py at 2019-01-17 10:19:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.16 Mbit/s  
95th percentile per-packet one-way delay: 71.435 ms  
Loss rate: 1.64%  
-- Flow 1:  
Average throughput: 91.16 Mbit/s  
95th percentile per-packet one-way delay: 71.435 ms  
Loss rate: 1.64%

Run 2: Report of FillP — Data Link

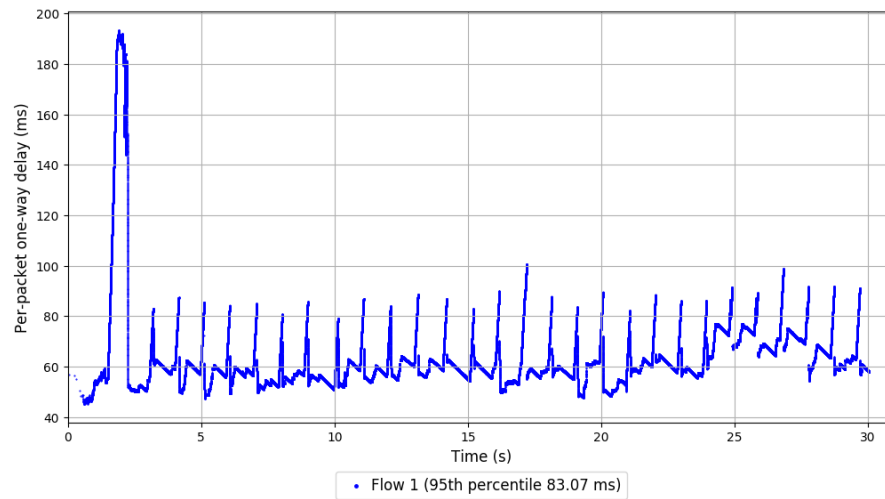
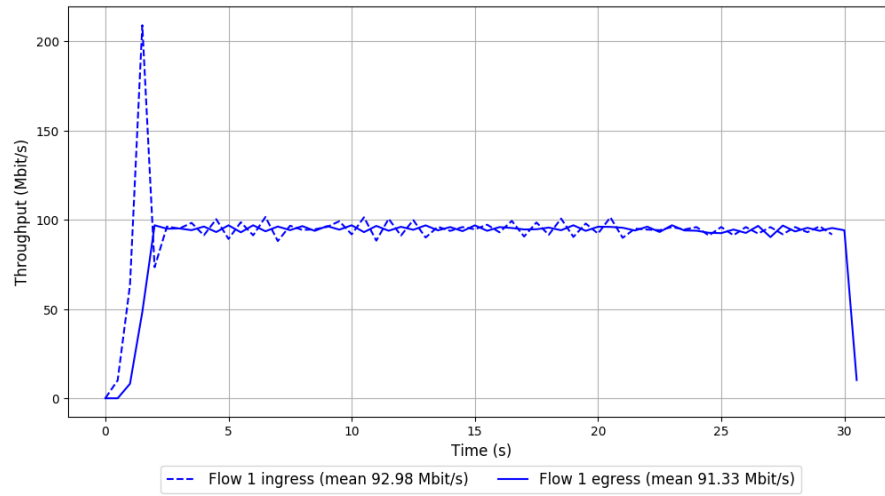


Run 3: Statistics of FillP

Start at: 2019-01-17 08:09:05  
End at: 2019-01-17 08:09:35  
Local clock offset: 2.306 ms  
Remote clock offset: 21.363 ms

# Below is generated by plot.py at 2019-01-17 10:19:45  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 91.33 Mbit/s  
95th percentile per-packet one-way delay: 83.067 ms  
Loss rate: 1.76%  
-- Flow 1:  
Average throughput: 91.33 Mbit/s  
95th percentile per-packet one-way delay: 83.067 ms  
Loss rate: 1.76%

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

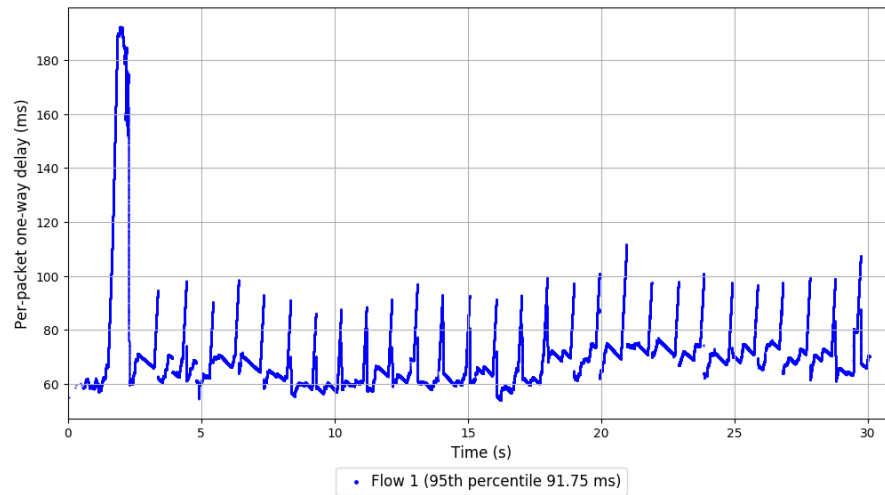
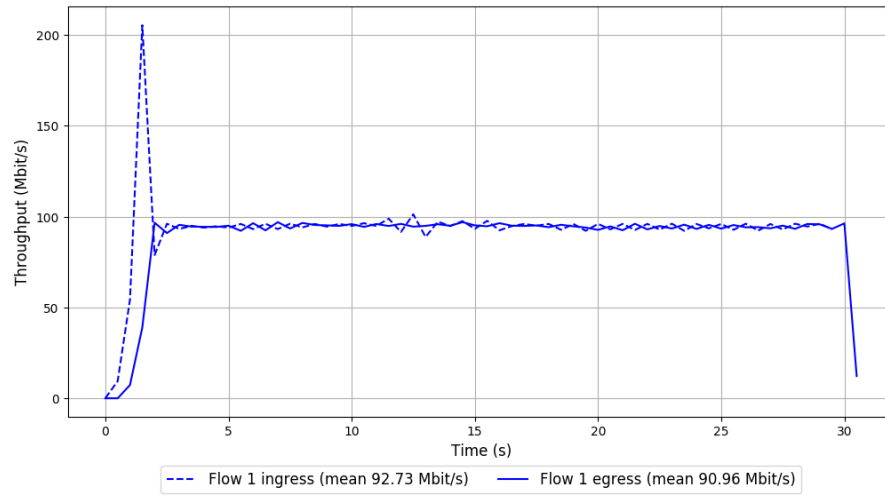


Run 4: Statistics of FillP

Start at: 2019-01-17 09:00:39  
End at: 2019-01-17 09:01:09  
Local clock offset: 2.459 ms  
Remote clock offset: 55.399 ms

# Below is generated by plot.py at 2019-01-17 10:19:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 90.96 Mbit/s  
95th percentile per-packet one-way delay: 91.754 ms  
Loss rate: 1.86%  
-- Flow 1:  
Average throughput: 90.96 Mbit/s  
95th percentile per-packet one-way delay: 91.754 ms  
Loss rate: 1.86%

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



Run 5: Statistics of FillP

Start at: 2019-01-17 10:00:41

End at: 2019-01-17 10:01:11

Local clock offset: 2.18 ms

Remote clock offset: 7.831 ms

# Below is generated by plot.py at 2019-01-17 10:19:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 90.76 Mbit/s

95th percentile per-packet one-way delay: 97.998 ms

Loss rate: 1.97%

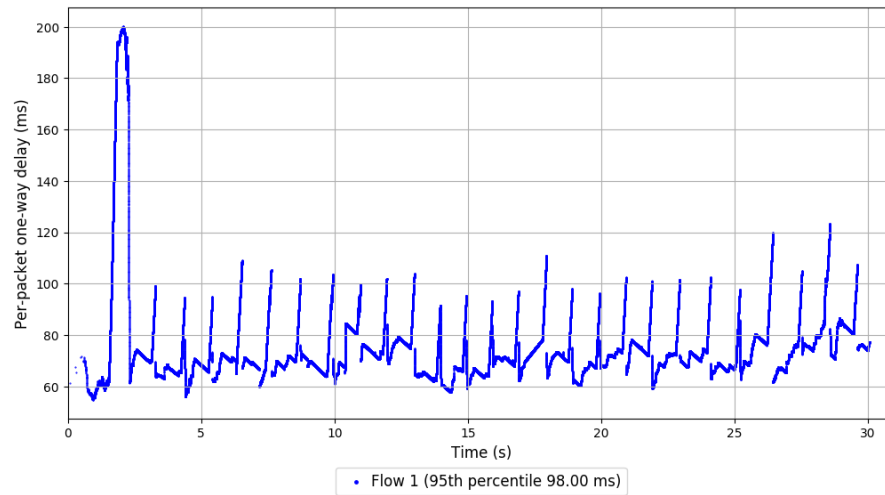
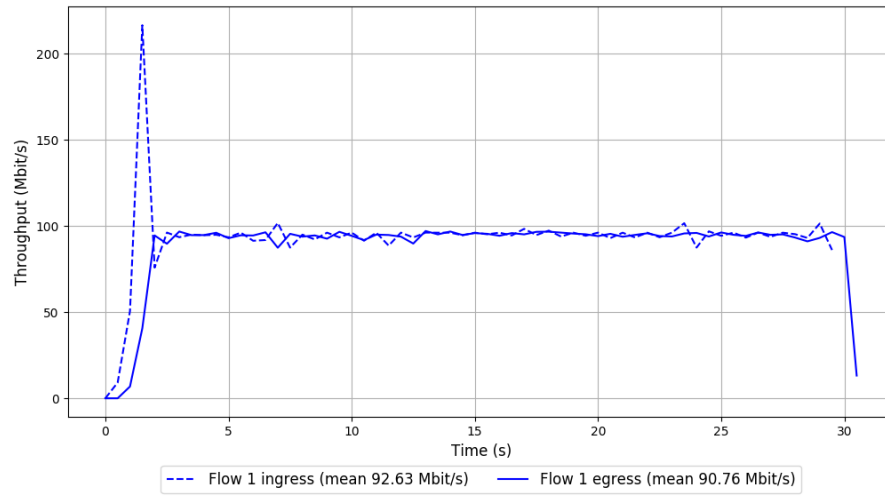
-- Flow 1:

Average throughput: 90.76 Mbit/s

95th percentile per-packet one-way delay: 97.998 ms

Loss rate: 1.97%

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





Run 1: Statistics of FillP-Sheep

Start at: 2019-01-17 07:04:23

End at: 2019-01-17 07:04:53

Local clock offset: 0.653 ms

Remote clock offset: 52.273 ms

# Below is generated by plot.py at 2019-01-17 10:19:58

# Datalink statistics

-- Total of 1 flow:

Average throughput: 29.75 Mbit/s

95th percentile per-packet one-way delay: 168.735 ms

Loss rate: 4.54%

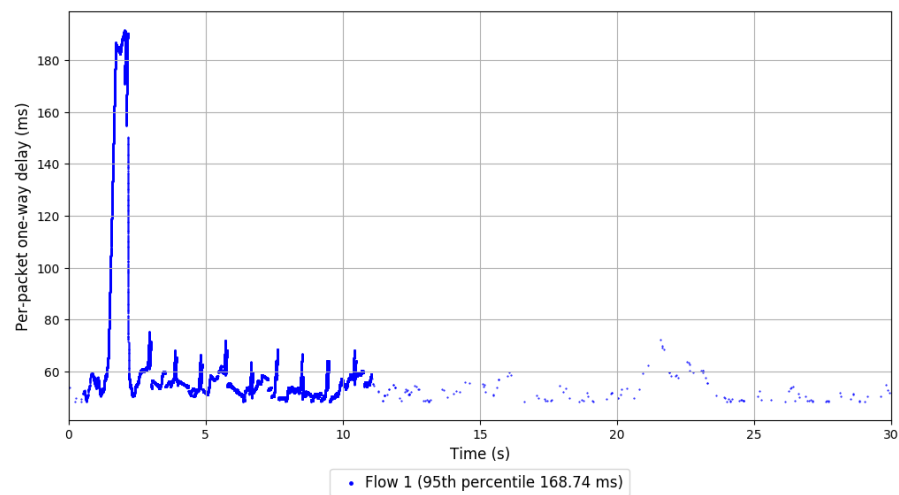
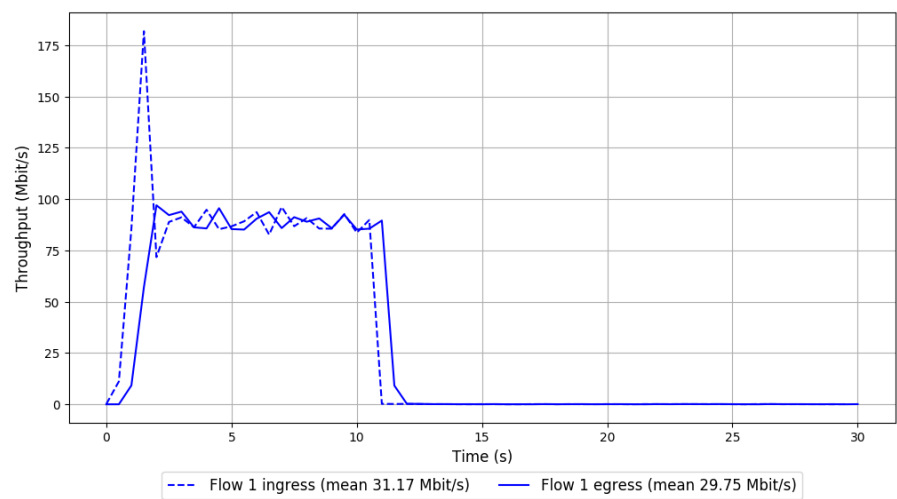
-- Flow 1:

Average throughput: 29.75 Mbit/s

95th percentile per-packet one-way delay: 168.735 ms

Loss rate: 4.54%

Run 1: Report of FillP-Sheep — Data Link

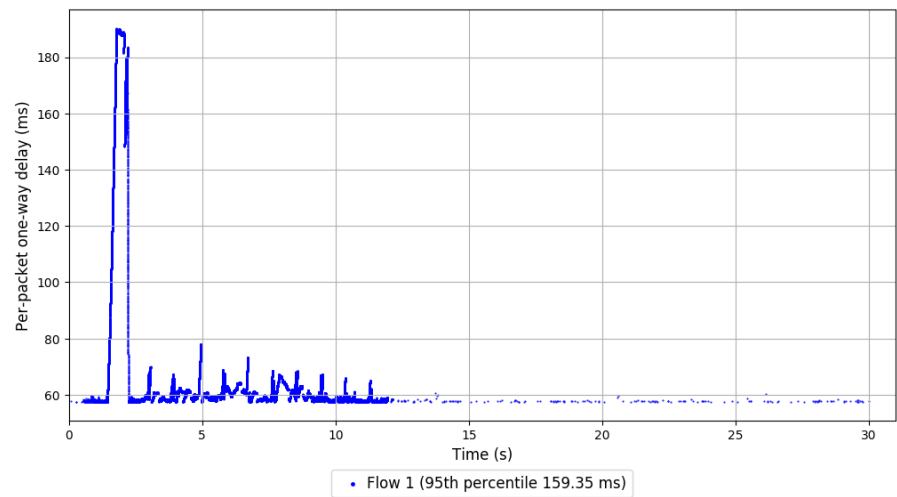
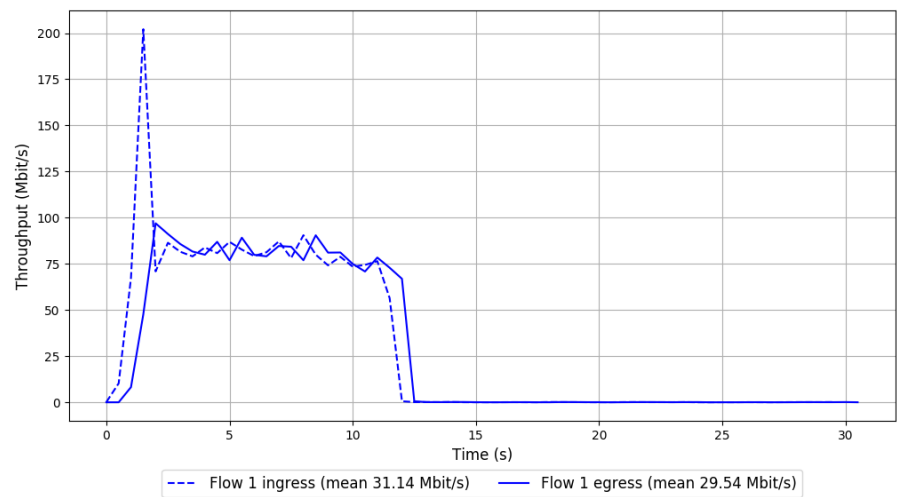


Run 2: Statistics of FillP-Sheep

Start at: 2019-01-17 07:38:25  
End at: 2019-01-17 07:38:55  
Local clock offset: -1.093 ms  
Remote clock offset: 50.217 ms

# Below is generated by plot.py at 2019-01-17 10:19:58  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 29.54 Mbit/s  
95th percentile per-packet one-way delay: 159.352 ms  
Loss rate: 5.15%  
-- Flow 1:  
Average throughput: 29.54 Mbit/s  
95th percentile per-packet one-way delay: 159.352 ms  
Loss rate: 5.15%

Run 2: Report of FillP-Sheep — Data Link

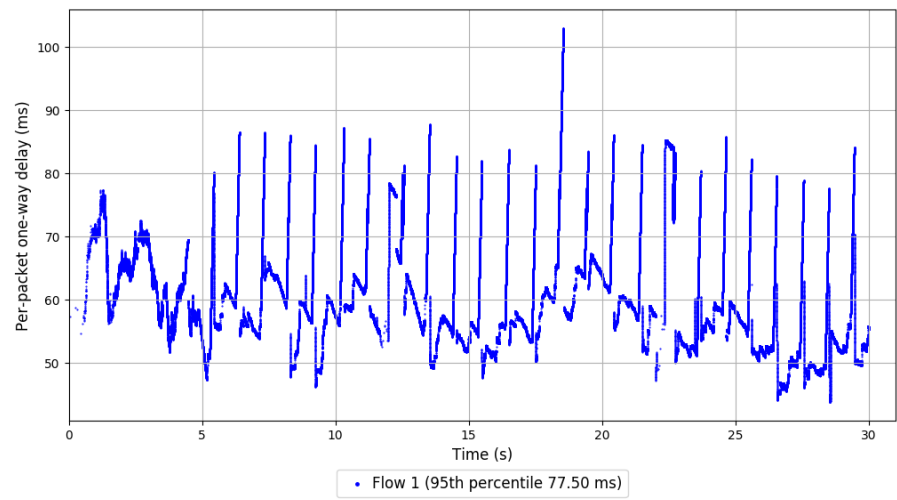
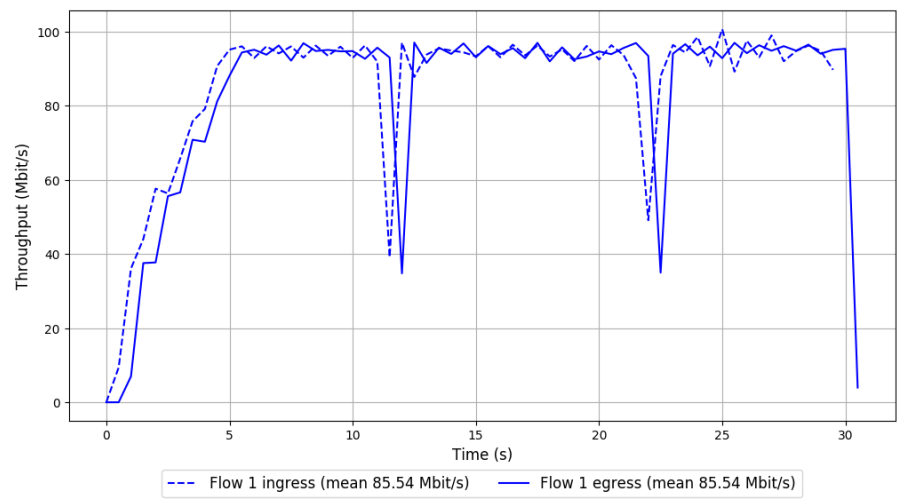


Run 3: Statistics of FillP-Sheep

Start at: 2019-01-17 08:24:37  
End at: 2019-01-17 08:25:07  
Local clock offset: -0.371 ms  
Remote clock offset: 22.223 ms

# Below is generated by plot.py at 2019-01-17 10:20:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 85.54 Mbit/s  
95th percentile per-packet one-way delay: 77.496 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 85.54 Mbit/s  
95th percentile per-packet one-way delay: 77.496 ms  
Loss rate: 0.00%

Run 3: Report of FillP-Sheep — Data Link

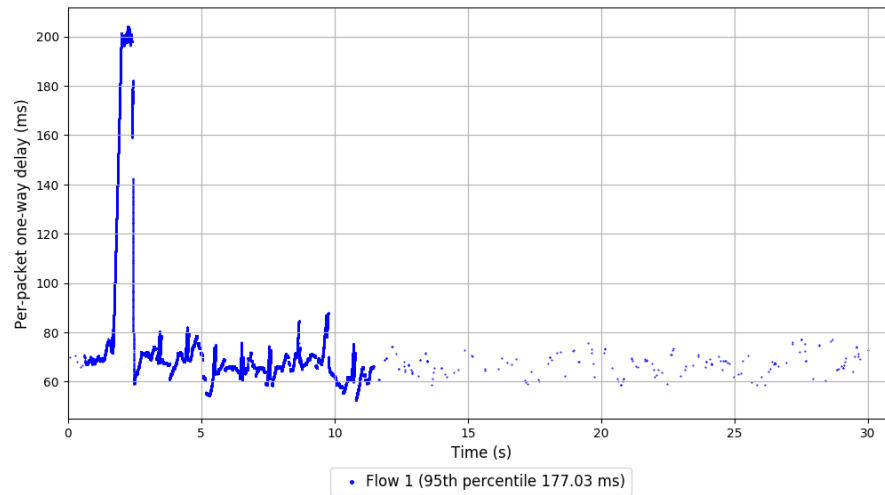
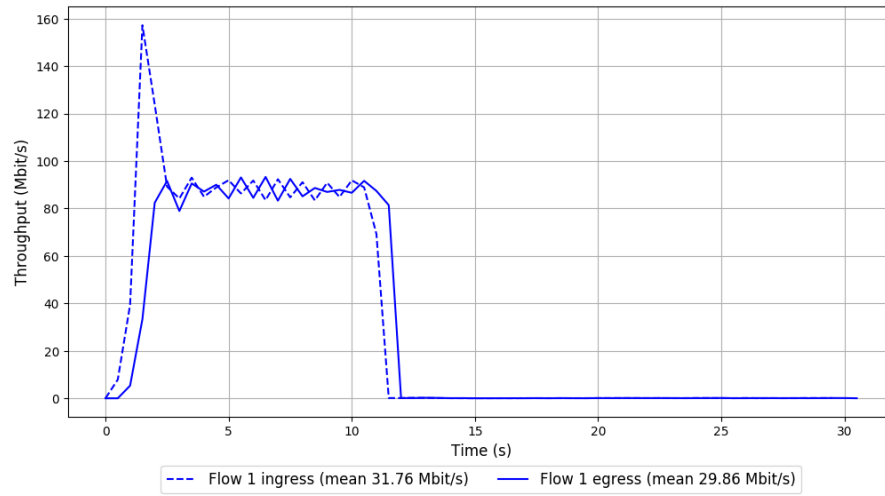


Run 4: Statistics of FillP-Sheep

Start at: 2019-01-17 09:20:38  
End at: 2019-01-17 09:21:08  
Local clock offset: 3.449 ms  
Remote clock offset: 40.748 ms

# Below is generated by plot.py at 2019-01-17 10:20:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 29.86 Mbit/s  
95th percentile per-packet one-way delay: 177.032 ms  
Loss rate: 5.97%  
-- Flow 1:  
Average throughput: 29.86 Mbit/s  
95th percentile per-packet one-way delay: 177.032 ms  
Loss rate: 5.97%

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





Run 5: Statistics of FillP-Sheep

Start at: 2019-01-17 10:15:34

End at: 2019-01-17 10:16:05

Local clock offset: 2.243 ms

Remote clock offset: 31.293 ms

# Below is generated by plot.py at 2019-01-17 10:20:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 30.83 Mbit/s

95th percentile per-packet one-way delay: 173.986 ms

Loss rate: 6.32%

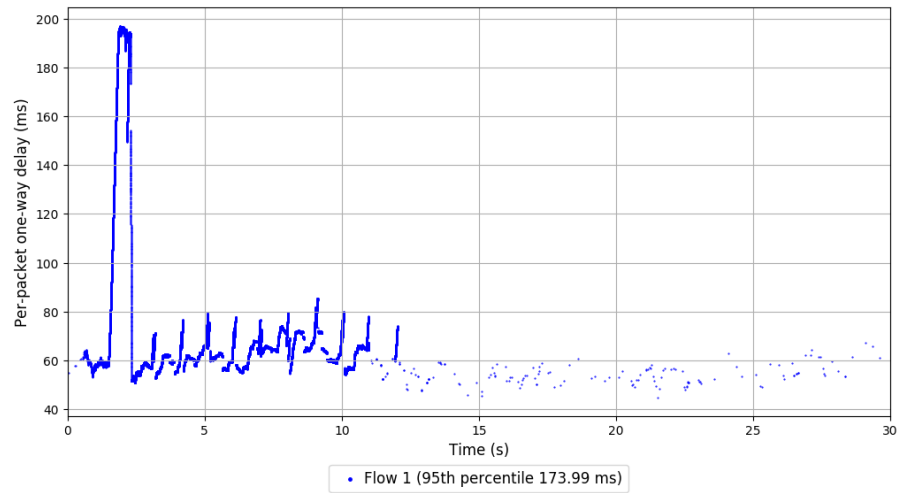
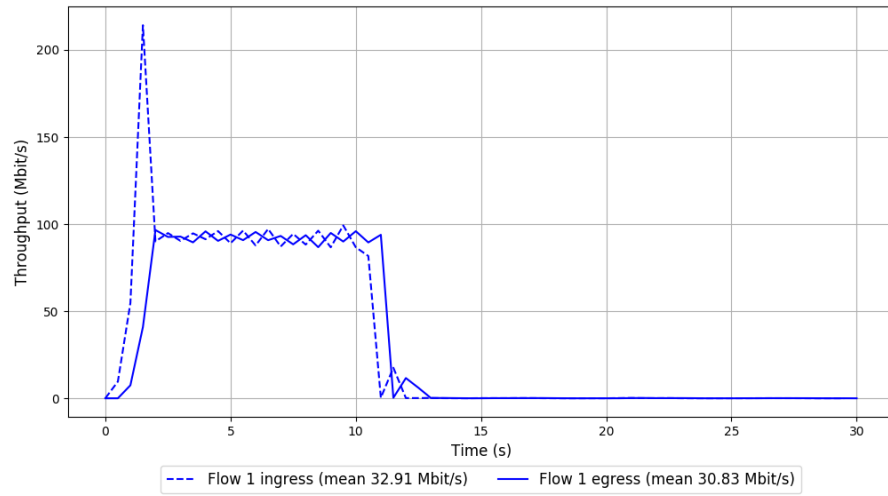
-- Flow 1:

Average throughput: 30.83 Mbit/s

95th percentile per-packet one-way delay: 173.986 ms

Loss rate: 6.32%

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



Run 1: Statistics of Indigo

Start at: 2019-01-17 07:02:44

End at: 2019-01-17 07:03:15

Local clock offset: 0.619 ms

Remote clock offset: 51.628 ms

# Below is generated by plot.py at 2019-01-17 10:20:07

# Datalink statistics

-- Total of 1 flow:

Average throughput: 28.41 Mbit/s

95th percentile per-packet one-way delay: 75.655 ms

Loss rate: 0.02%

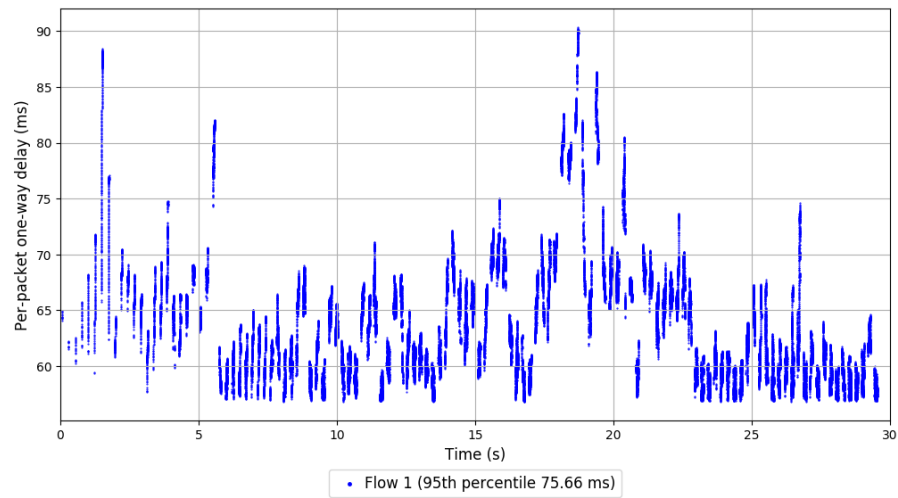
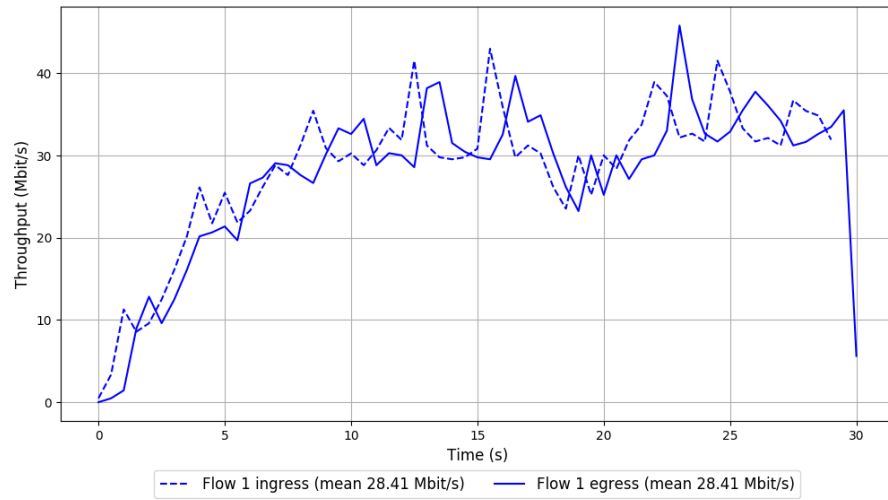
-- Flow 1:

Average throughput: 28.41 Mbit/s

95th percentile per-packet one-way delay: 75.655 ms

Loss rate: 0.02%

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

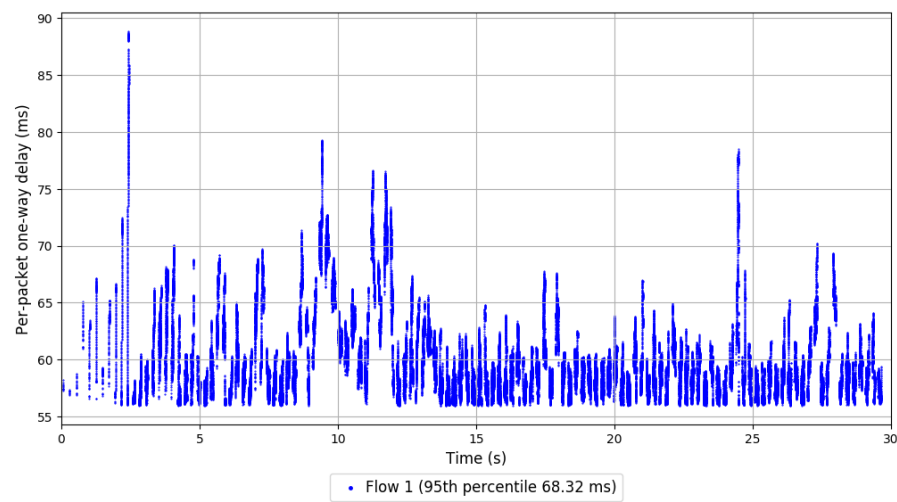
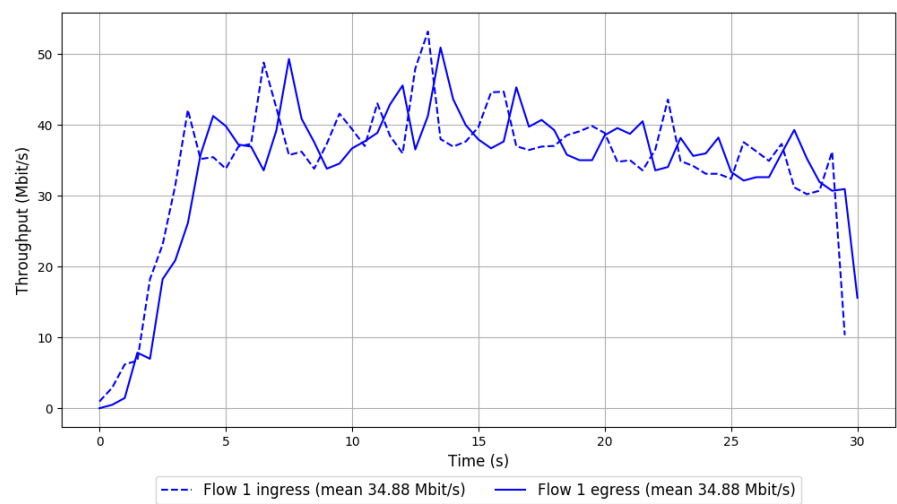


Run 2: Statistics of Indigo

Start at: 2019-01-17 07:36:46  
End at: 2019-01-17 07:37:16  
Local clock offset: -0.945 ms  
Remote clock offset: 49.053 ms

# Below is generated by plot.py at 2019-01-17 10:20:07  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 34.88 Mbit/s  
95th percentile per-packet one-way delay: 68.321 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 34.88 Mbit/s  
95th percentile per-packet one-way delay: 68.321 ms  
Loss rate: 0.00%

Run 2: Report of Indigo — Data Link

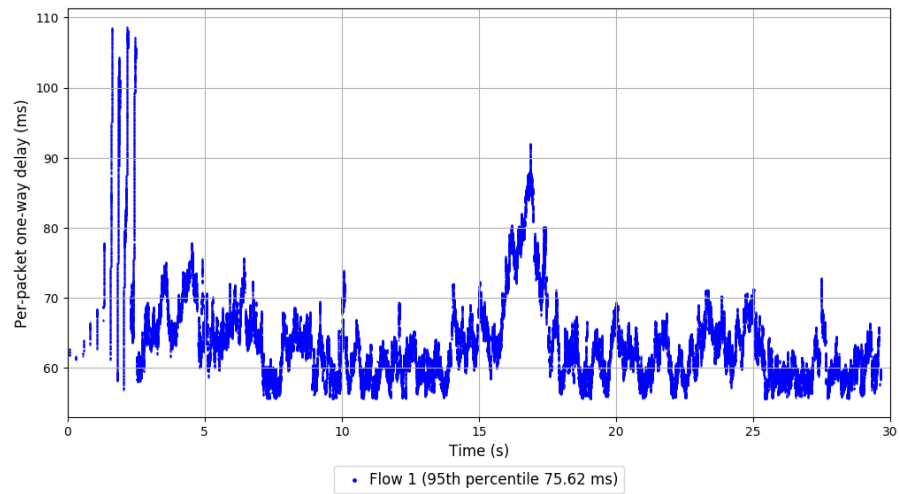
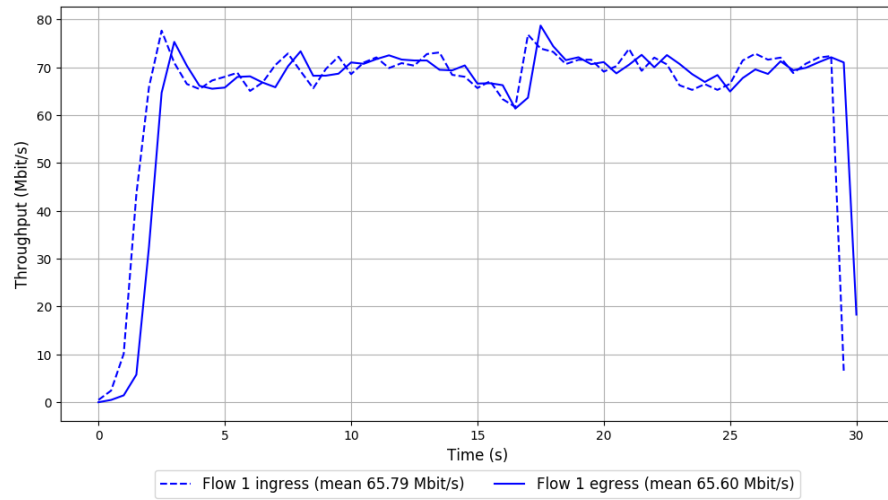


Run 3: Statistics of Indigo

Start at: 2019-01-17 08:19:41  
End at: 2019-01-17 08:20:11  
Local clock offset: 1.447 ms  
Remote clock offset: 17.528 ms

# Below is generated by plot.py at 2019-01-17 10:20:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 65.60 Mbit/s  
95th percentile per-packet one-way delay: 75.616 ms  
Loss rate: 0.31%  
-- Flow 1:  
Average throughput: 65.60 Mbit/s  
95th percentile per-packet one-way delay: 75.616 ms  
Loss rate: 0.31%

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



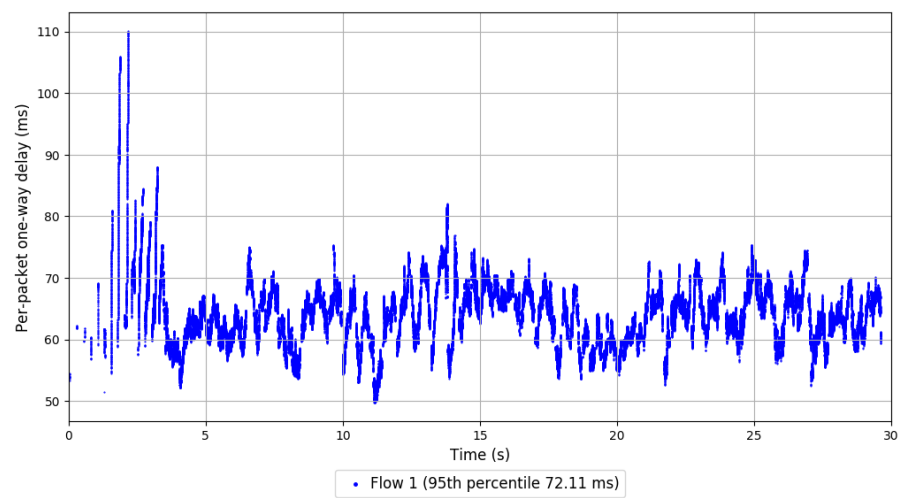
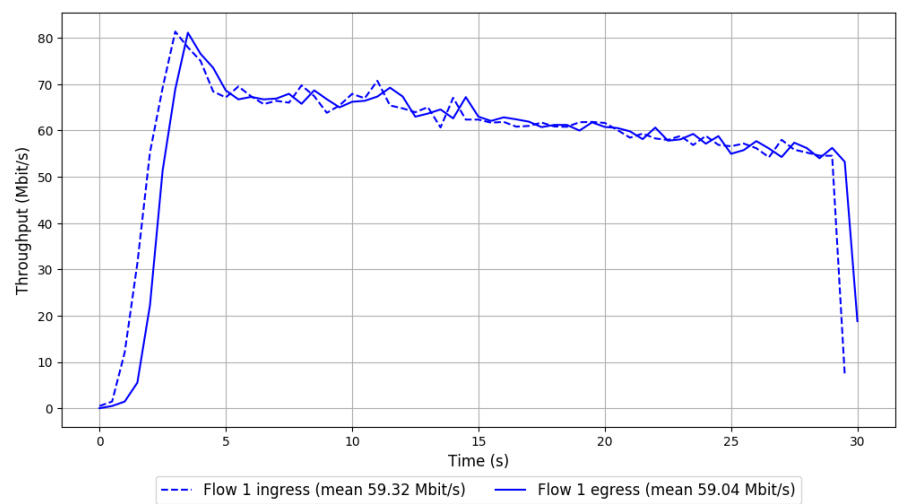


Run 4: Statistics of Indigo

Start at: 2019-01-17 09:15:41  
End at: 2019-01-17 09:16:11  
Local clock offset: 4.32 ms  
Remote clock offset: 42.968 ms

# Below is generated by plot.py at 2019-01-17 10:20:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 59.04 Mbit/s  
95th percentile per-packet one-way delay: 72.111 ms  
Loss rate: 0.44%  
-- Flow 1:  
Average throughput: 59.04 Mbit/s  
95th percentile per-packet one-way delay: 72.111 ms  
Loss rate: 0.44%

Run 4: Report of Indigo — Data Link

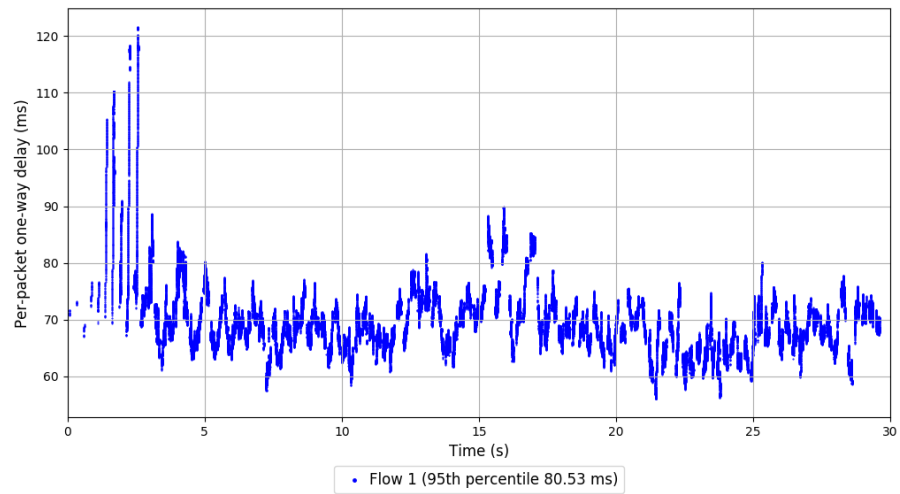
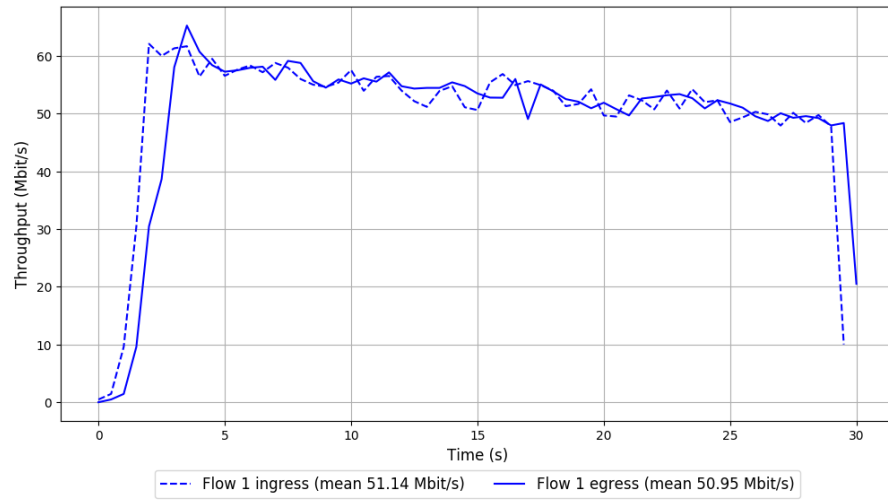


Run 5: Statistics of Indigo

Start at: 2019-01-17 10:11:03  
End at: 2019-01-17 10:11:33  
Local clock offset: 2.348 ms  
Remote clock offset: 23.752 ms

# Below is generated by plot.py at 2019-01-17 10:20:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 50.95 Mbit/s  
95th percentile per-packet one-way delay: 80.532 ms  
Loss rate: 0.39%  
-- Flow 1:  
Average throughput: 50.95 Mbit/s  
95th percentile per-packet one-way delay: 80.532 ms  
Loss rate: 0.39%

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

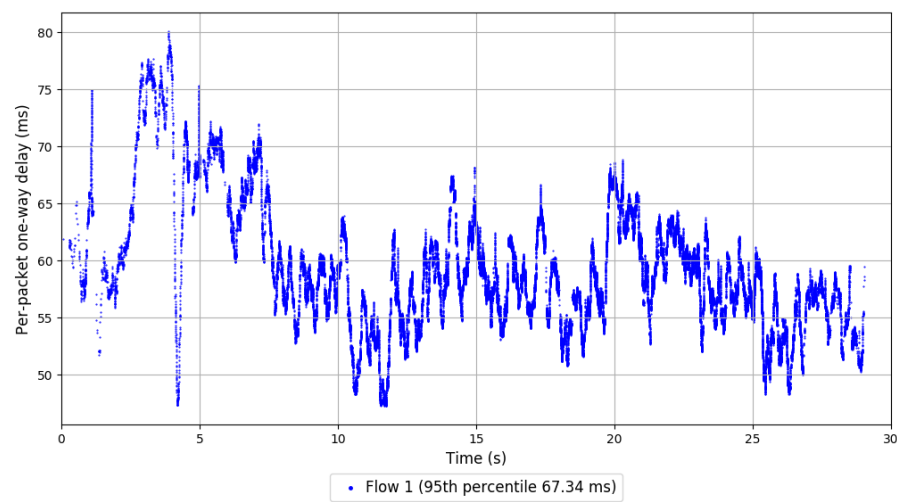
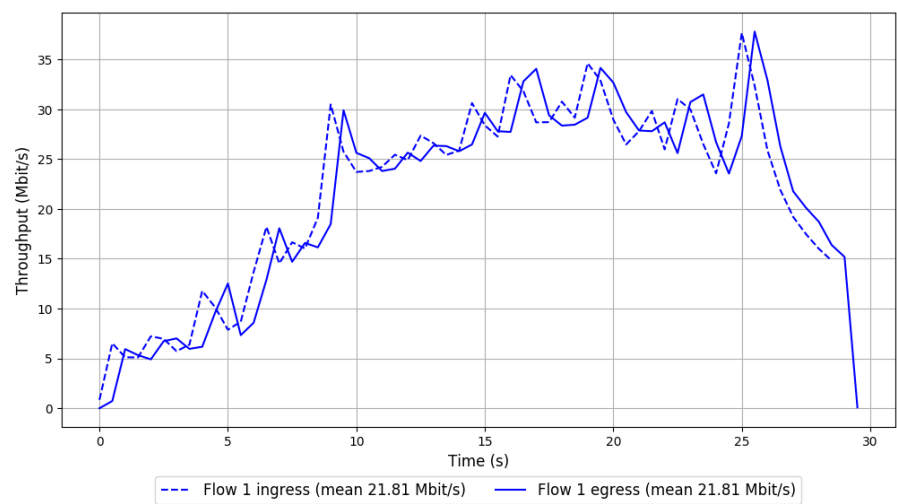


Run 1: Statistics of Indigo-MusesC3

Start at: 2019-01-17 06:45:16  
End at: 2019-01-17 06:45:46  
Local clock offset: -3.188 ms  
Remote clock offset: 52.967 ms

# Below is generated by plot.py at 2019-01-17 10:20:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 21.81 Mbit/s  
95th percentile per-packet one-way delay: 67.339 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 21.81 Mbit/s  
95th percentile per-packet one-way delay: 67.339 ms  
Loss rate: 0.01%

Run 1: Report of Indigo-MusesC3 — Data Link

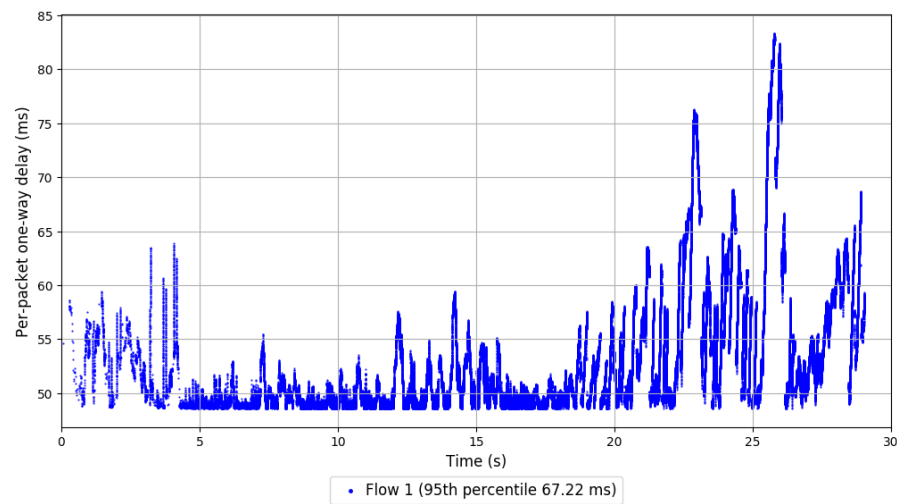
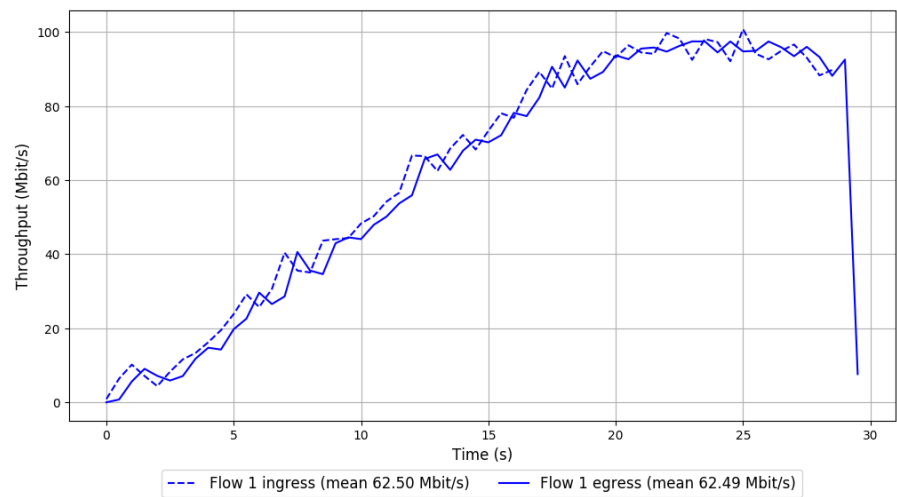


Run 2: Statistics of Indigo-MusesC3

Start at: 2019-01-17 07:17:37  
End at: 2019-01-17 07:18:07  
Local clock offset: 0.554 ms  
Remote clock offset: 51.813 ms

# Below is generated by plot.py at 2019-01-17 10:20:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 62.49 Mbit/s  
95th percentile per-packet one-way delay: 67.223 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 62.49 Mbit/s  
95th percentile per-packet one-way delay: 67.223 ms  
Loss rate: 0.00%

Run 2: Report of Indigo-MusesC3 — Data Link





Run 3: Statistics of Indigo-MusesC3

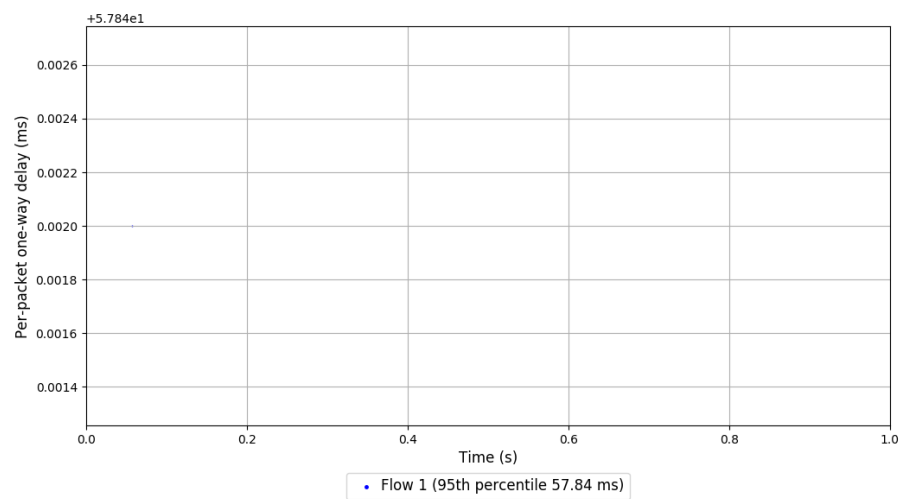
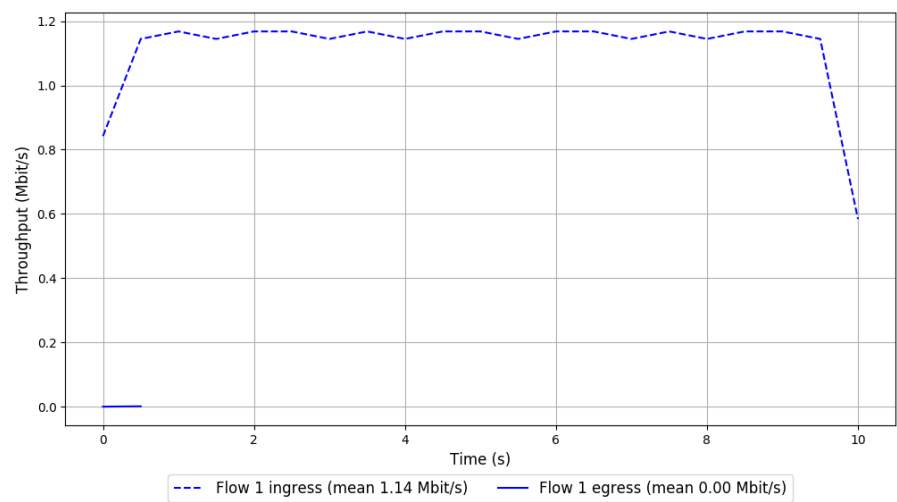
Start at: 2019-01-17 07:53:10

End at: 2019-01-17 07:53:40

Local clock offset: 0.259 ms

Remote clock offset: 39.748 ms

Run 3: Report of Indigo-MusesC3 — Data Link

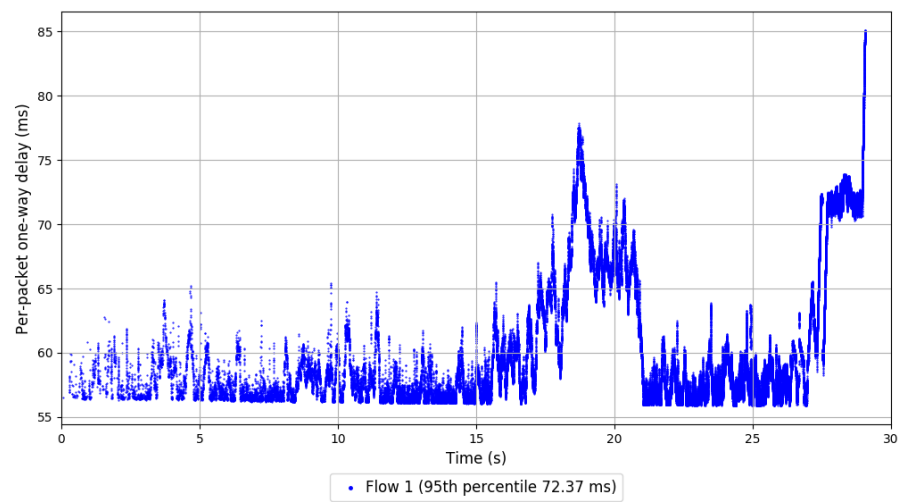
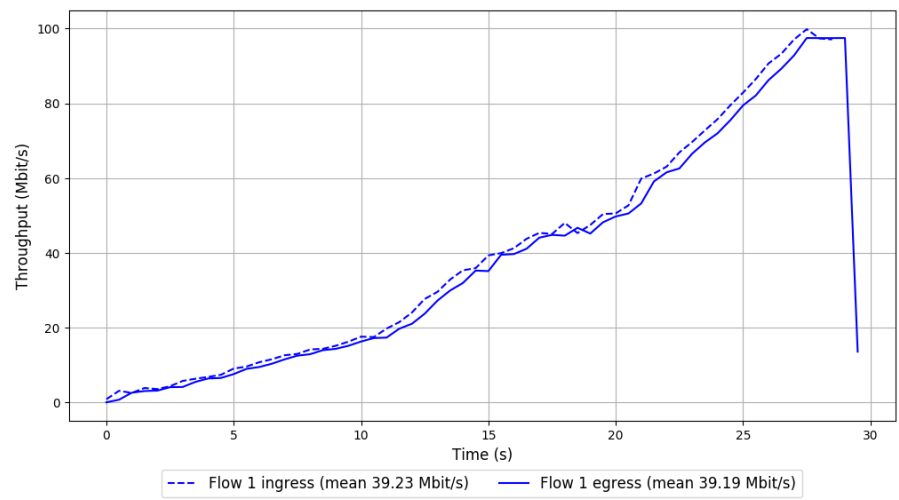


Run 4: Statistics of Indigo-MusesC3

Start at: 2019-01-17 08:42:59  
End at: 2019-01-17 08:43:29  
Local clock offset: -2.738 ms  
Remote clock offset: 55.677 ms

# Below is generated by plot.py at 2019-01-17 10:20:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 39.19 Mbit/s  
95th percentile per-packet one-way delay: 72.372 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 39.19 Mbit/s  
95th percentile per-packet one-way delay: 72.372 ms  
Loss rate: 0.00%

Run 4: Report of Indigo-MusesC3 — Data Link

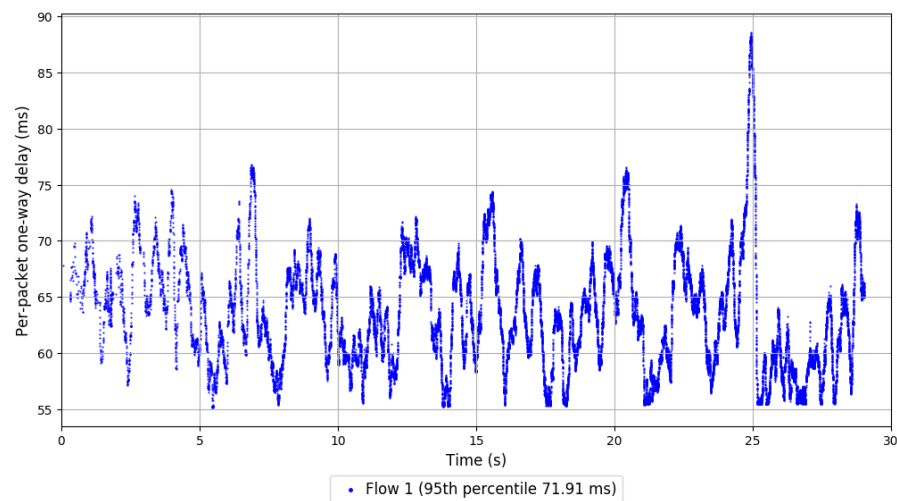
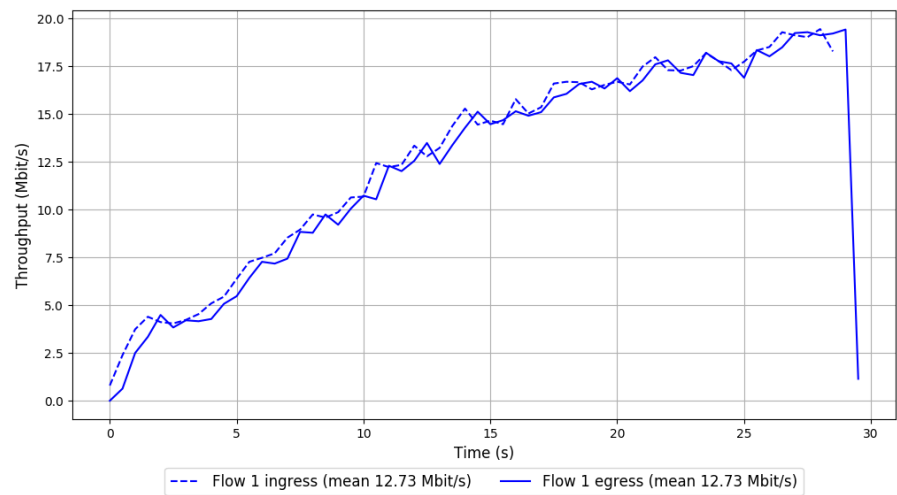


Run 5: Statistics of Indigo-MusesC3

Start at: 2019-01-17 09:43:18  
End at: 2019-01-17 09:43:48  
Local clock offset: 1.709 ms  
Remote clock offset: 23.225 ms

# Below is generated by plot.py at 2019-01-17 10:20:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 12.73 Mbit/s  
95th percentile per-packet one-way delay: 71.908 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 12.73 Mbit/s  
95th percentile per-packet one-way delay: 71.908 ms  
Loss rate: 0.02%

Run 5: Report of Indigo-MusesC3 — Data Link

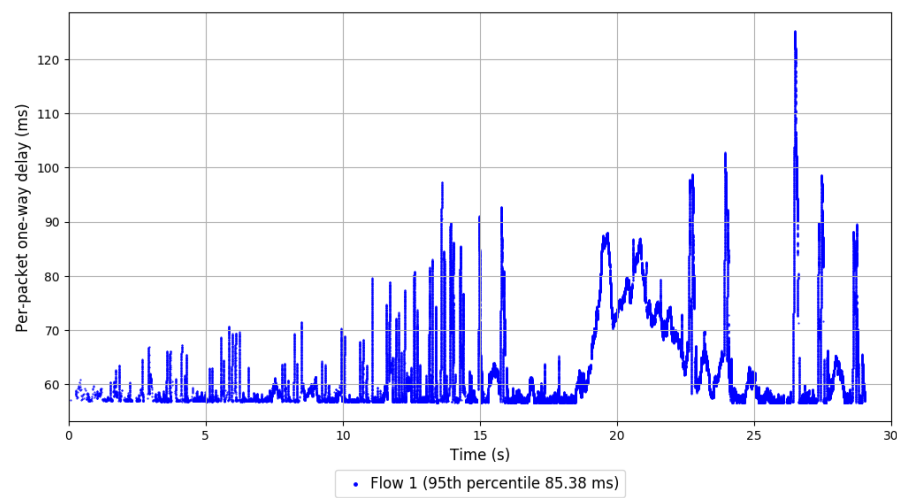
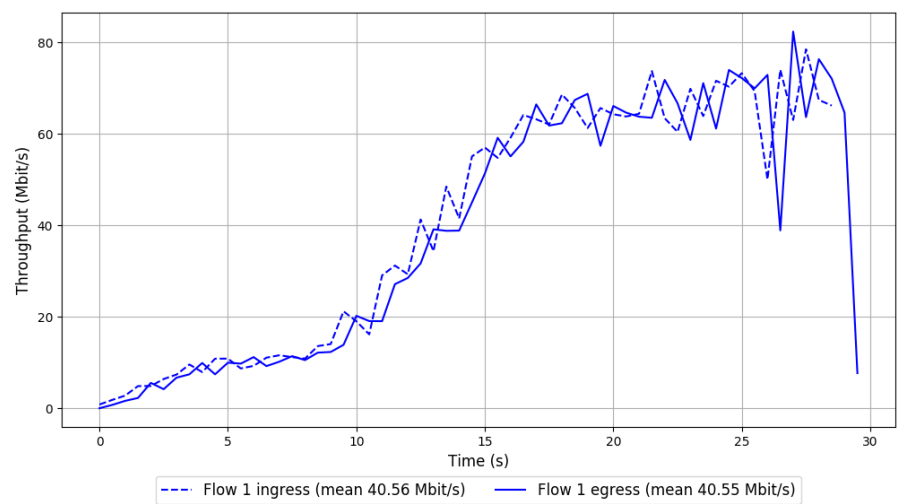


Run 1: Statistics of Indigo-MusesC5

Start at: 2019-01-17 06:36:29  
End at: 2019-01-17 06:36:59  
Local clock offset: 0.312 ms  
Remote clock offset: 55.753 ms

# Below is generated by plot.py at 2019-01-17 10:20:46  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 40.55 Mbit/s  
95th percentile per-packet one-way delay: 85.376 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 40.55 Mbit/s  
95th percentile per-packet one-way delay: 85.376 ms  
Loss rate: 0.01%

Run 1: Report of Indigo-MusesC5 — Data Link



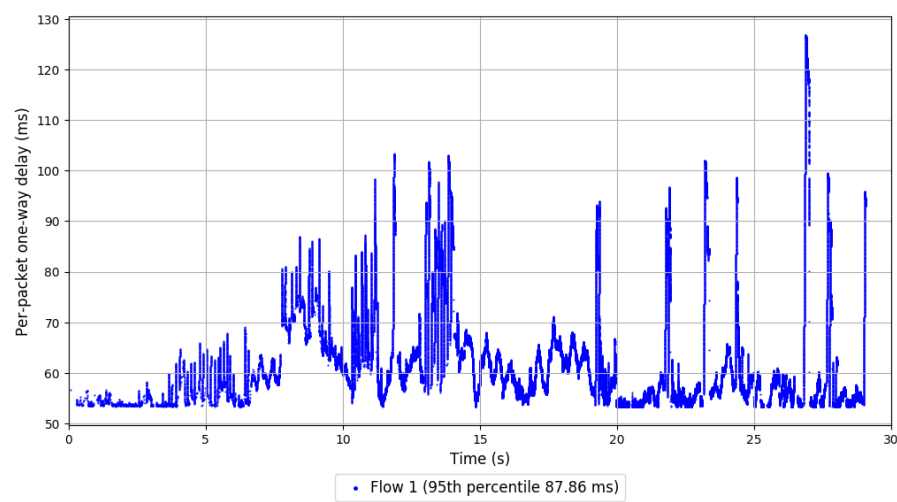
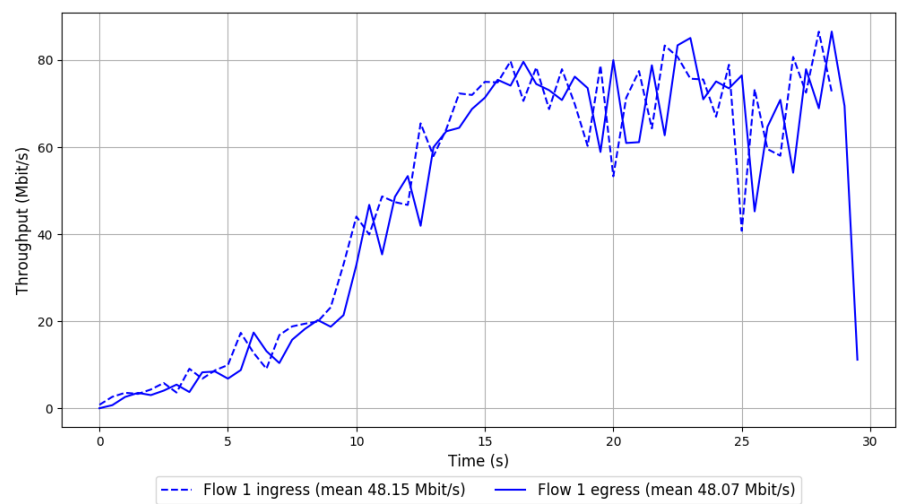


Run 2: Statistics of Indigo-MusesC5

Start at: 2019-01-17 07:07:09  
End at: 2019-01-17 07:07:39  
Local clock offset: 0.733 ms  
Remote clock offset: 48.186 ms

# Below is generated by plot.py at 2019-01-17 10:20:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 48.07 Mbit/s  
95th percentile per-packet one-way delay: 87.863 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 48.07 Mbit/s  
95th percentile per-packet one-way delay: 87.863 ms  
Loss rate: 0.09%

Run 2: Report of Indigo-MusesC5 — Data Link

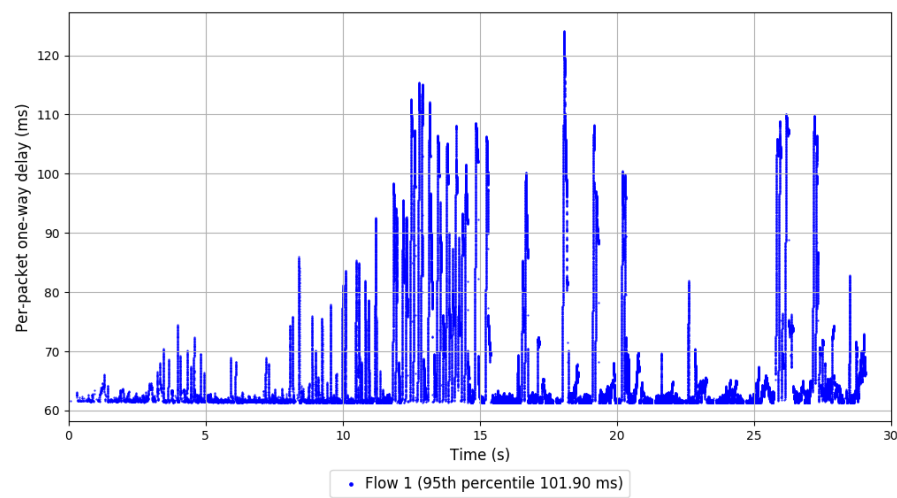
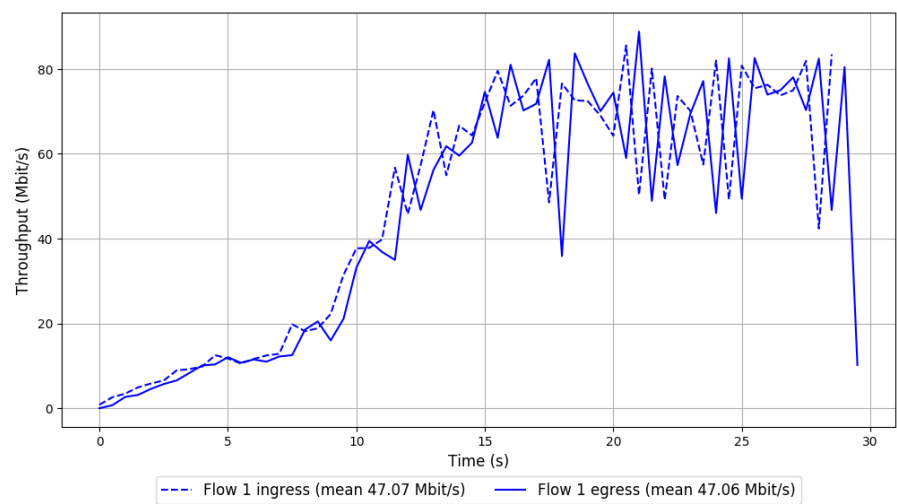


Run 3: Statistics of Indigo-MusesC5

Start at: 2019-01-17 07:41:51  
End at: 2019-01-17 07:42:21  
Local clock offset: -1.314 ms  
Remote clock offset: 53.991 ms

# Below is generated by plot.py at 2019-01-17 10:20:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 47.06 Mbit/s  
95th percentile per-packet one-way delay: 101.904 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 47.06 Mbit/s  
95th percentile per-packet one-way delay: 101.904 ms  
Loss rate: 0.00%

Run 3: Report of Indigo-MusesC5 — Data Link

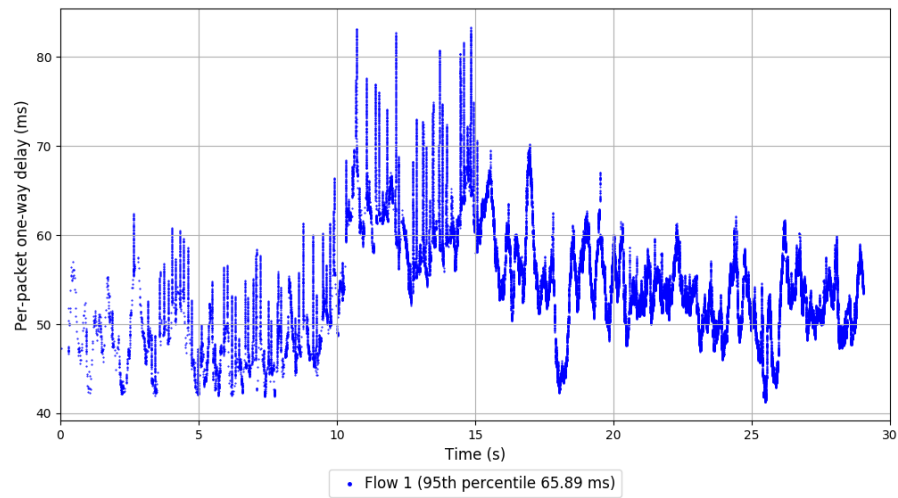
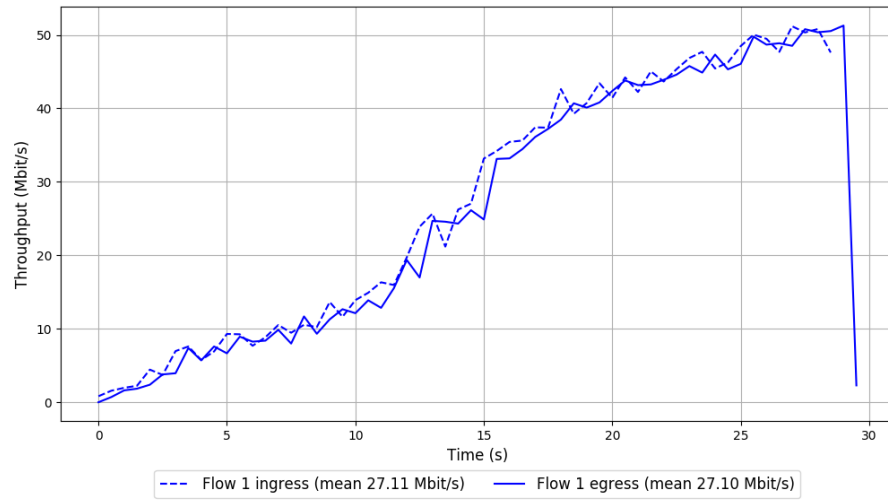


Run 4: Statistics of Indigo-MusesC5

Start at: 2019-01-17 08:32:14  
End at: 2019-01-17 08:32:44  
Local clock offset: -1.648 ms  
Remote clock offset: 38.408 ms

# Below is generated by plot.py at 2019-01-17 10:20:49  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 27.10 Mbit/s  
95th percentile per-packet one-way delay: 65.890 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 27.10 Mbit/s  
95th percentile per-packet one-way delay: 65.890 ms  
Loss rate: 0.00%

#### Run 4: Report of Indigo-MusesC5 — Data Link

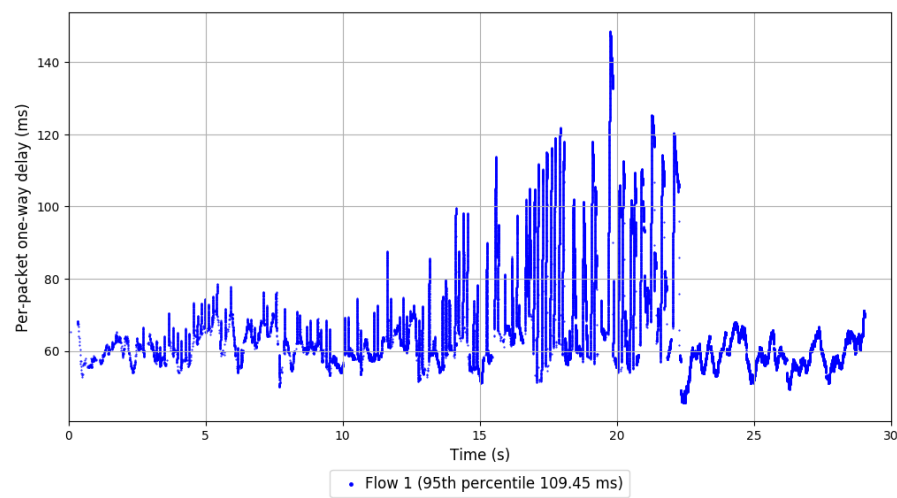
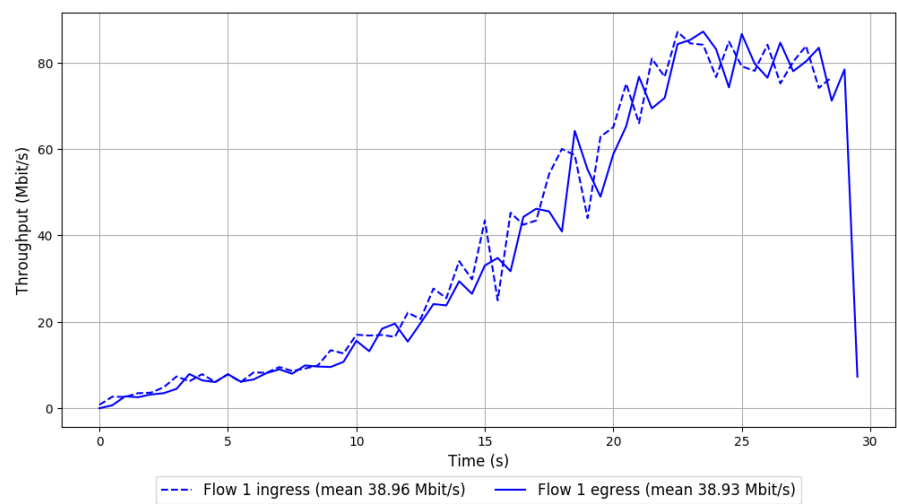


Run 5: Statistics of Indigo-MusesC5

Start at: 2019-01-17 09:24:50  
End at: 2019-01-17 09:25:20  
Local clock offset: 2.596 ms  
Remote clock offset: 41.473 ms

# Below is generated by plot.py at 2019-01-17 10:21:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 38.93 Mbit/s  
95th percentile per-packet one-way delay: 109.455 ms  
Loss rate: 0.09%  
-- Flow 1:  
Average throughput: 38.93 Mbit/s  
95th percentile per-packet one-way delay: 109.455 ms  
Loss rate: 0.09%

Run 5: Report of Indigo-MusesC5 — Data Link





Run 1: Statistics of Indigo-MusesD

Start at: 2019-01-17 06:49:07

End at: 2019-01-17 06:49:37

Local clock offset: -2.59 ms

Remote clock offset: 48.951 ms

# Below is generated by plot.py at 2019-01-17 10:21:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 72.143 ms

Loss rate: 0.03%

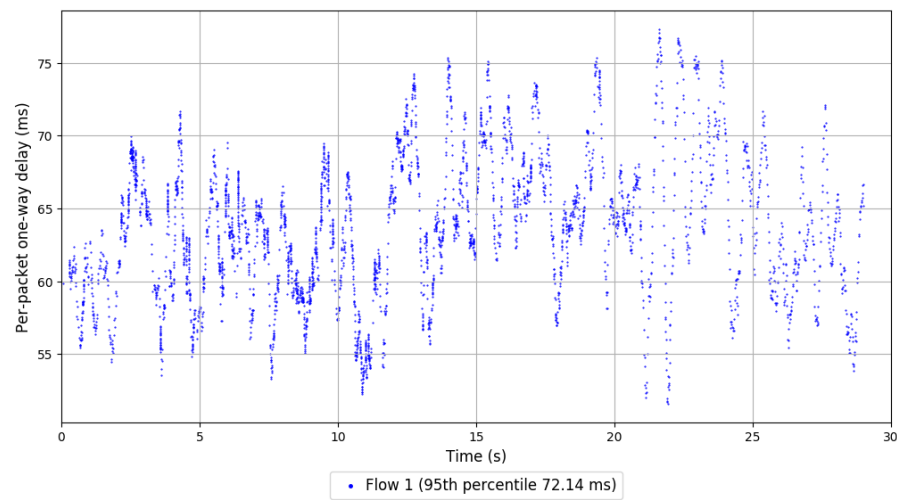
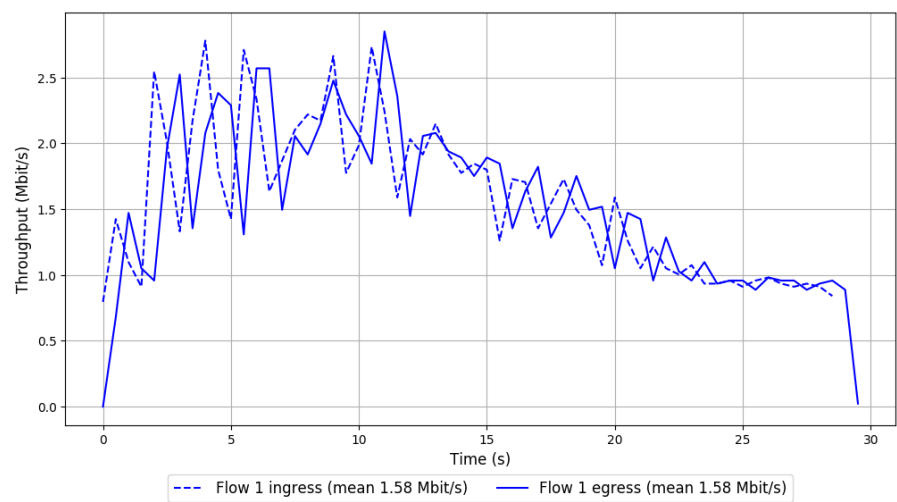
-- Flow 1:

Average throughput: 1.58 Mbit/s

95th percentile per-packet one-way delay: 72.143 ms

Loss rate: 0.03%

Run 1: Report of Indigo-MusesD — Data Link

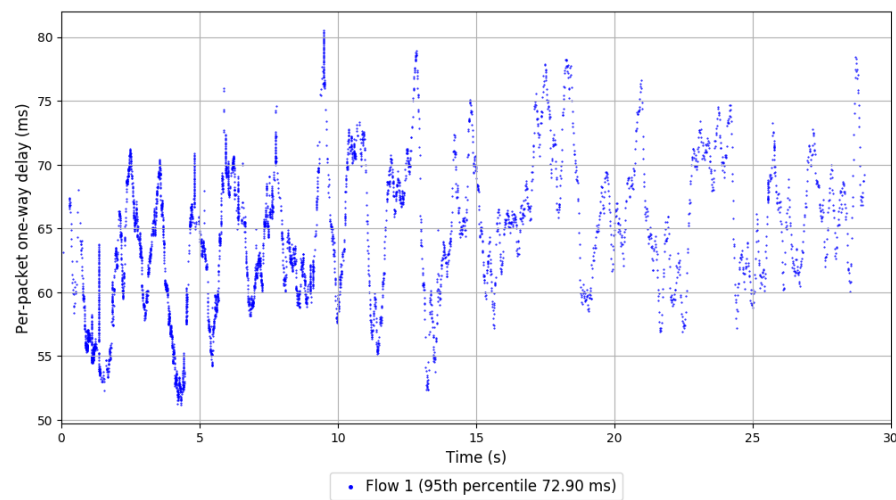
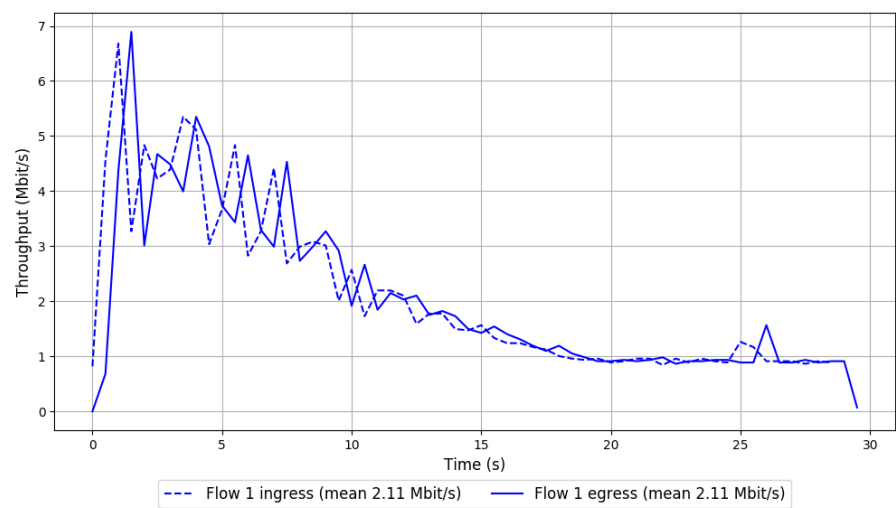


Run 2: Statistics of Indigo-MusesD

Start at: 2019-01-17 07:22:27  
End at: 2019-01-17 07:22:57  
Local clock offset: -0.023 ms  
Remote clock offset: 51.259 ms

# Below is generated by plot.py at 2019-01-17 10:21:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.11 Mbit/s  
95th percentile per-packet one-way delay: 72.904 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 2.11 Mbit/s  
95th percentile per-packet one-way delay: 72.904 ms  
Loss rate: 0.00%

Run 2: Report of Indigo-MusesD — Data Link



Run 3: Statistics of Indigo-MusesD

Start at: 2019-01-17 07:58:45

End at: 2019-01-17 07:59:15

Local clock offset: 1.472 ms

Remote clock offset: 32.567 ms

# Below is generated by plot.py at 2019-01-17 10:21:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 58.909 ms

Loss rate: 0.00%

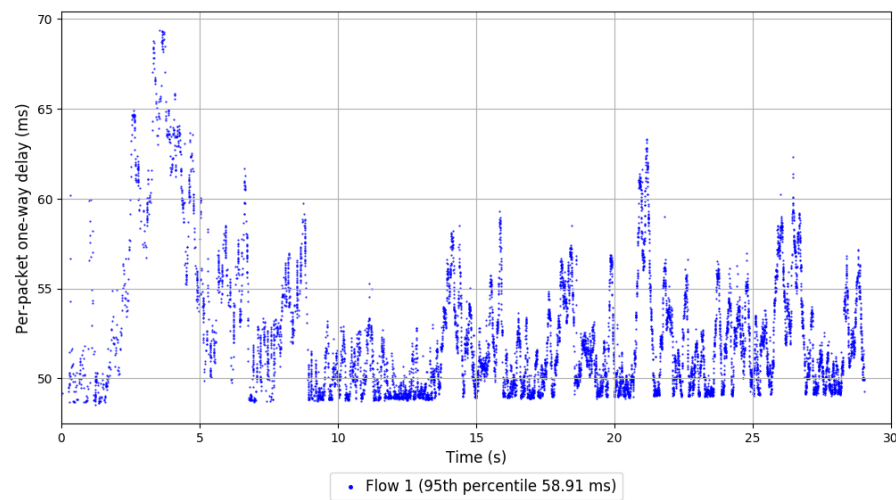
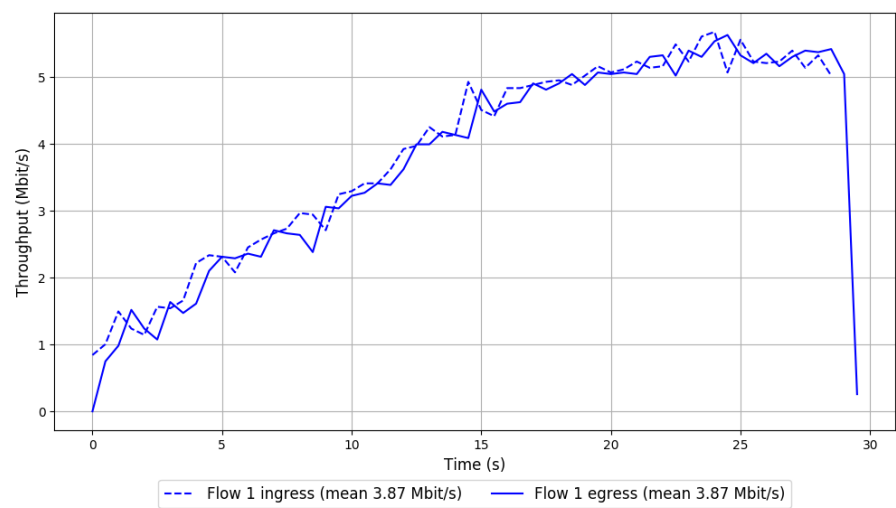
-- Flow 1:

Average throughput: 3.87 Mbit/s

95th percentile per-packet one-way delay: 58.909 ms

Loss rate: 0.00%

Run 3: Report of Indigo-MusesD — Data Link

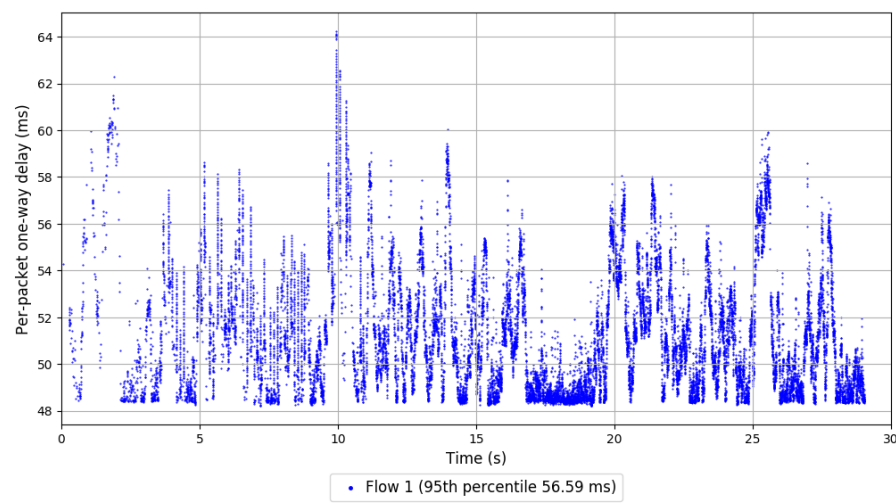
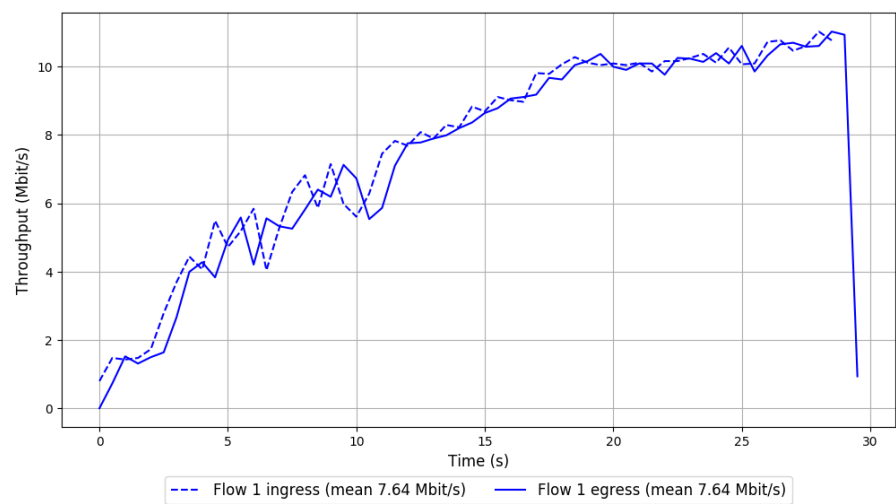


Run 4: Statistics of Indigo-MusesD

Start at: 2019-01-17 08:48:50  
End at: 2019-01-17 08:49:20  
Local clock offset: -2.419 ms  
Remote clock offset: 60.645 ms

# Below is generated by plot.py at 2019-01-17 10:21:00  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 7.64 Mbit/s  
95th percentile per-packet one-way delay: 56.585 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 7.64 Mbit/s  
95th percentile per-packet one-way delay: 56.585 ms  
Loss rate: 0.00%

Run 4: Report of Indigo-MusesD — Data Link





Run 5: Statistics of Indigo-MusesD

Start at: 2019-01-17 09:48:25

End at: 2019-01-17 09:48:55

Local clock offset: 1.474 ms

Remote clock offset: 18.167 ms

# Below is generated by plot.py at 2019-01-17 10:21:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.81 Mbit/s

95th percentile per-packet one-way delay: 71.572 ms

Loss rate: 0.07%

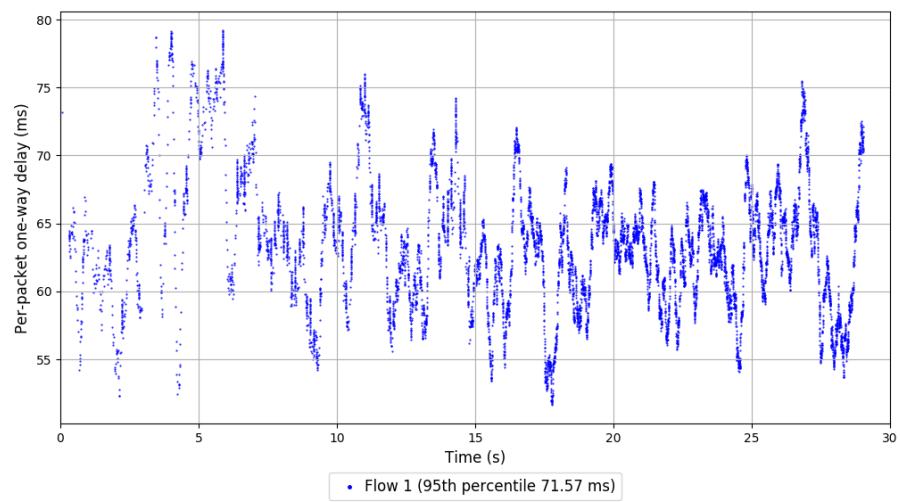
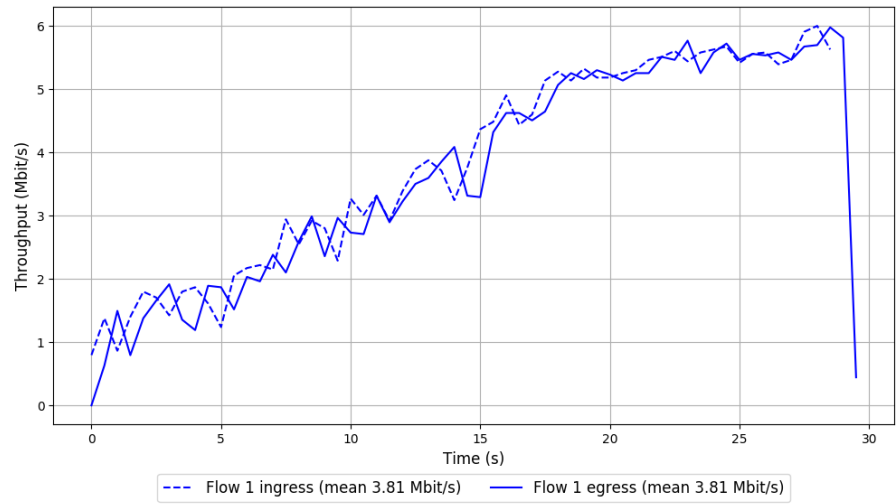
-- Flow 1:

Average throughput: 3.81 Mbit/s

95th percentile per-packet one-way delay: 71.572 ms

Loss rate: 0.07%

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



Run 1: Statistics of Indigo-MusesT

Start at: 2019-01-17 06:54:23

End at: 2019-01-17 06:54:53

Local clock offset: -0.818 ms

Remote clock offset: 47.898 ms

# Below is generated by plot.py at 2019-01-17 10:21:24

# Datalink statistics

-- Total of 1 flow:

Average throughput: 61.13 Mbit/s

95th percentile per-packet one-way delay: 65.010 ms

Loss rate: 0.00%

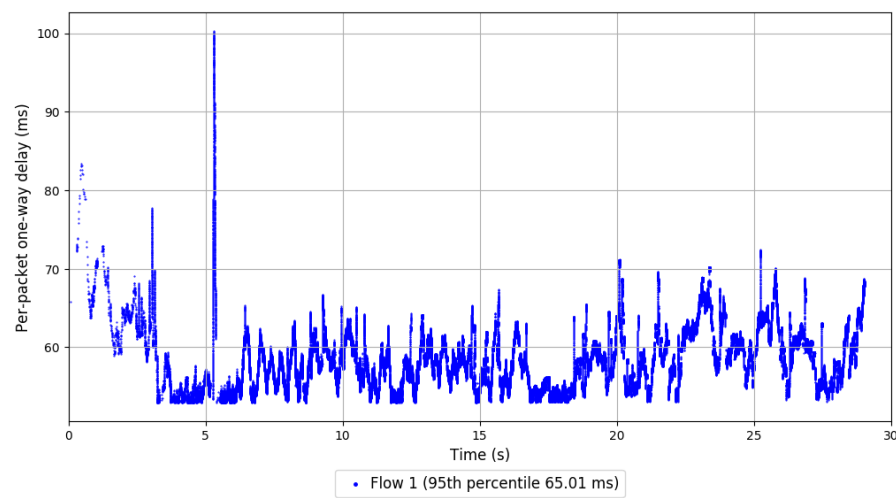
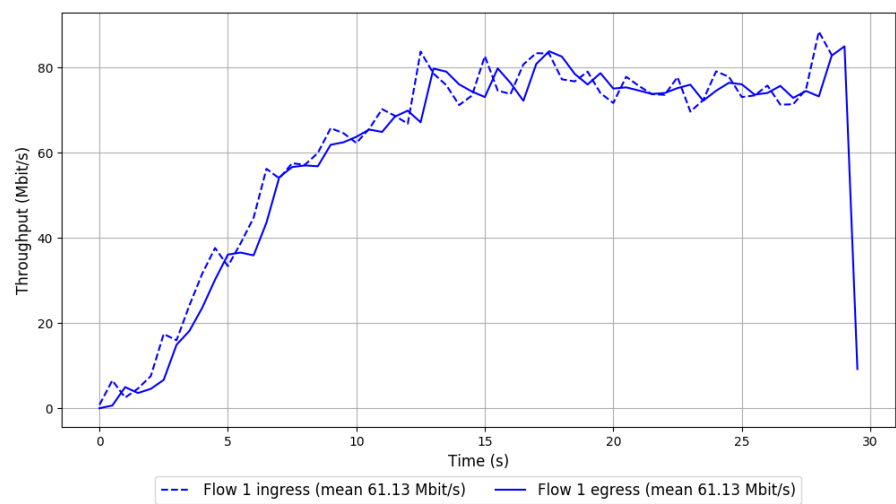
-- Flow 1:

Average throughput: 61.13 Mbit/s

95th percentile per-packet one-way delay: 65.010 ms

Loss rate: 0.00%

Run 1: Report of Indigo-MusesT — Data Link



Run 2: Statistics of Indigo-MusesT

Start at: 2019-01-17 07:27:47

End at: 2019-01-17 07:28:17

Local clock offset: -0.233 ms

Remote clock offset: 50.216 ms

# Below is generated by plot.py at 2019-01-17 10:21:47

# Datalink statistics

-- Total of 1 flow:

Average throughput: 87.26 Mbit/s

95th percentile per-packet one-way delay: 79.679 ms

Loss rate: 0.00%

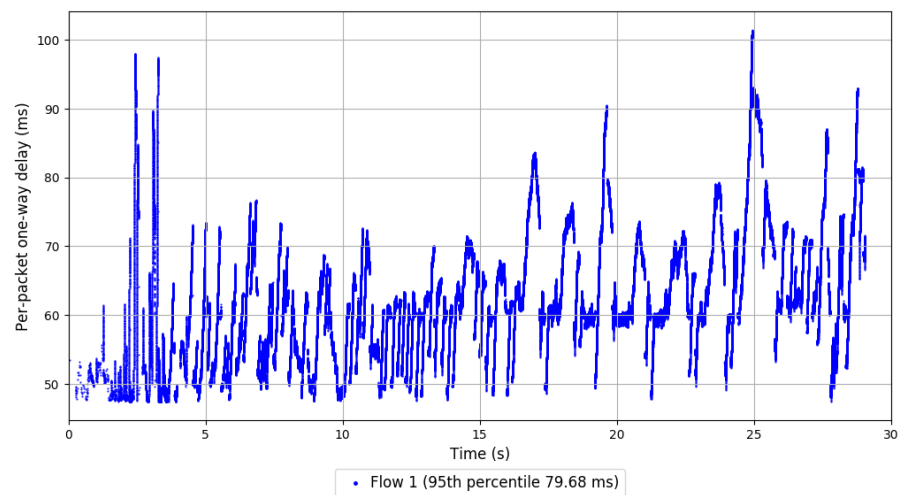
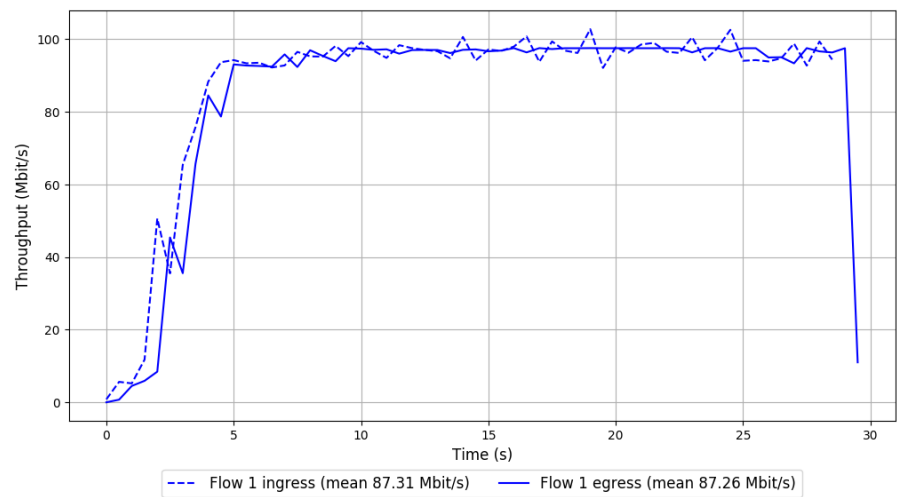
-- Flow 1:

Average throughput: 87.26 Mbit/s

95th percentile per-packet one-way delay: 79.679 ms

Loss rate: 0.00%

Run 2: Report of Indigo-MusesT — Data Link

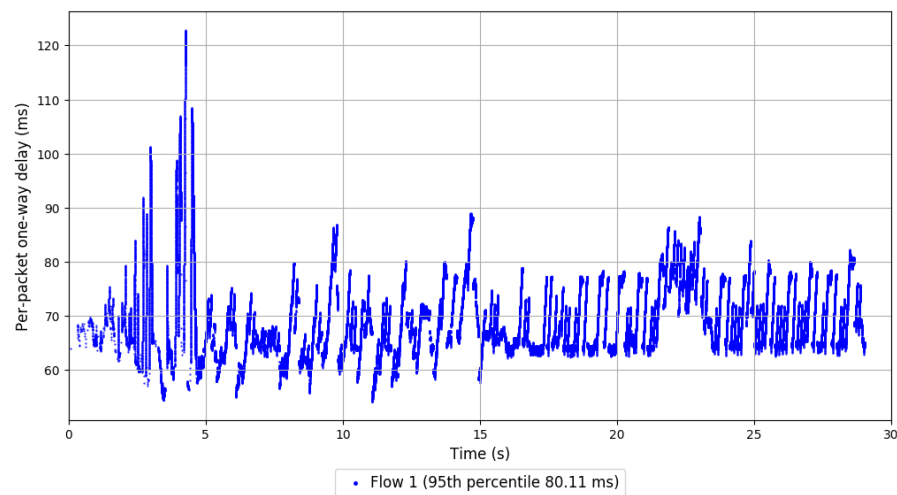
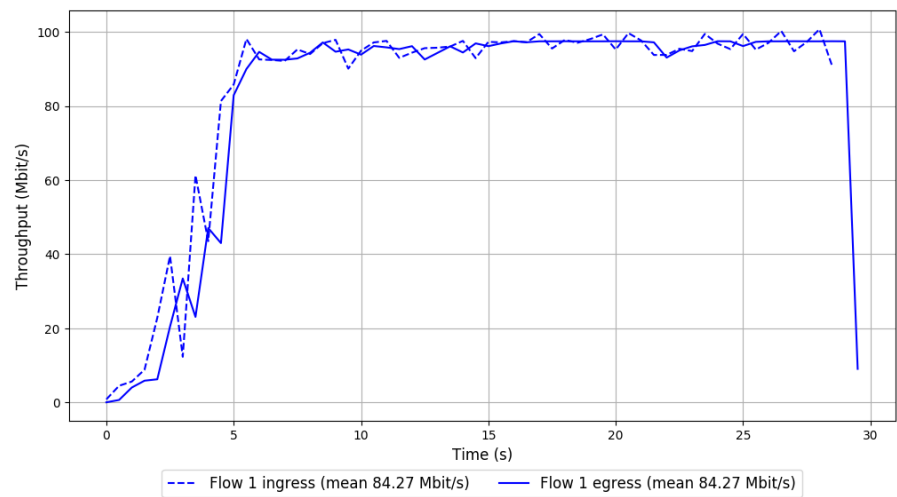


Run 3: Statistics of Indigo-MusesT

Start at: 2019-01-17 08:04:33  
End at: 2019-01-17 08:05:03  
Local clock offset: 2.007 ms  
Remote clock offset: 19.795 ms

# Below is generated by plot.py at 2019-01-17 10:21:47  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 84.27 Mbit/s  
95th percentile per-packet one-way delay: 80.105 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 84.27 Mbit/s  
95th percentile per-packet one-way delay: 80.105 ms  
Loss rate: 0.00%

Run 3: Report of Indigo-MusesT — Data Link





Run 4: Statistics of Indigo-MusesT

Start at: 2019-01-17 08:55:46

End at: 2019-01-17 08:56:16

Local clock offset: 1.128 ms

Remote clock offset: 59.984 ms

# Below is generated by plot.py at 2019-01-17 10:21:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 85.29 Mbit/s

95th percentile per-packet one-way delay: 109.068 ms

Loss rate: 0.11%

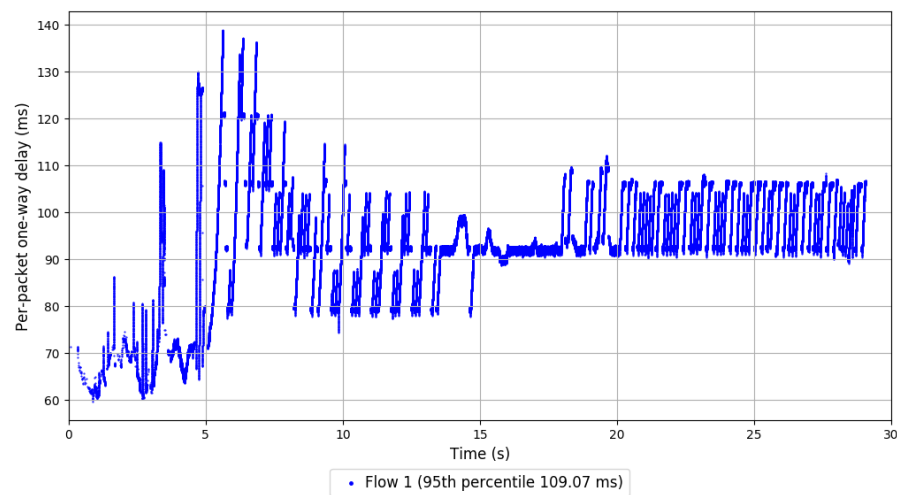
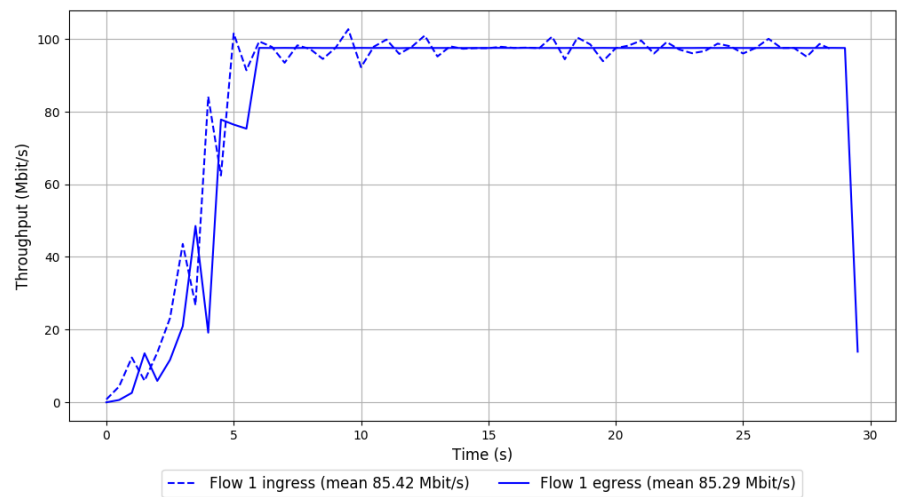
-- Flow 1:

Average throughput: 85.29 Mbit/s

95th percentile per-packet one-way delay: 109.068 ms

Loss rate: 0.11%

Run 4: Report of Indigo-MusesT — Data Link



Run 5: Statistics of Indigo-MusesT

Start at: 2019-01-17 09:55:37

End at: 2019-01-17 09:56:07

Local clock offset: 1.986 ms

Remote clock offset: 11.694 ms

# Below is generated by plot.py at 2019-01-17 10:21:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 83.24 Mbit/s

95th percentile per-packet one-way delay: 107.526 ms

Loss rate: 0.05%

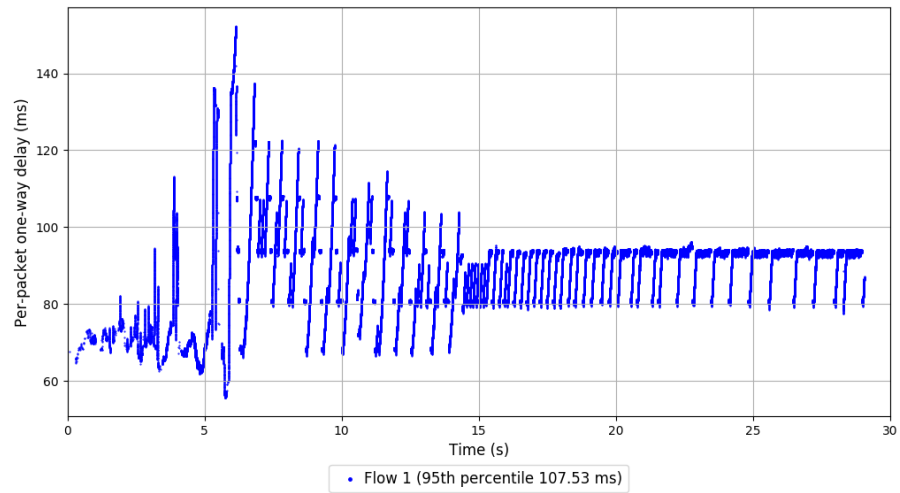
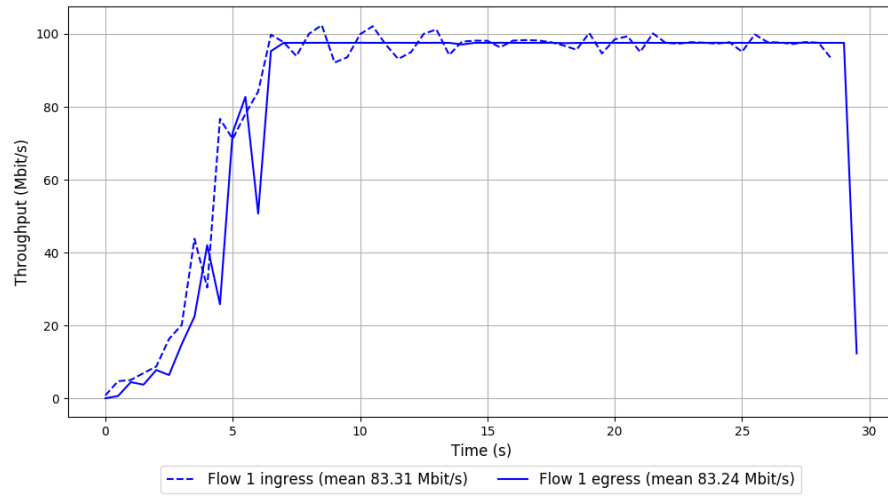
-- Flow 1:

Average throughput: 83.24 Mbit/s

95th percentile per-packet one-way delay: 107.526 ms

Loss rate: 0.05%

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

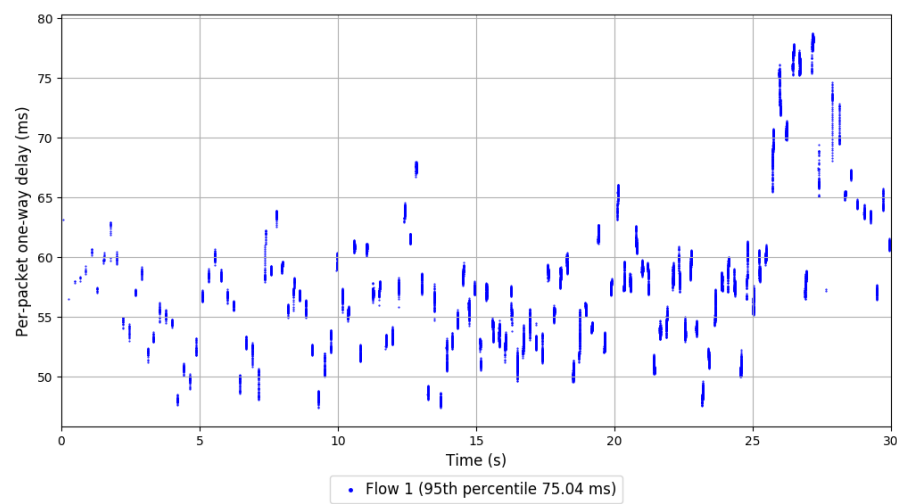
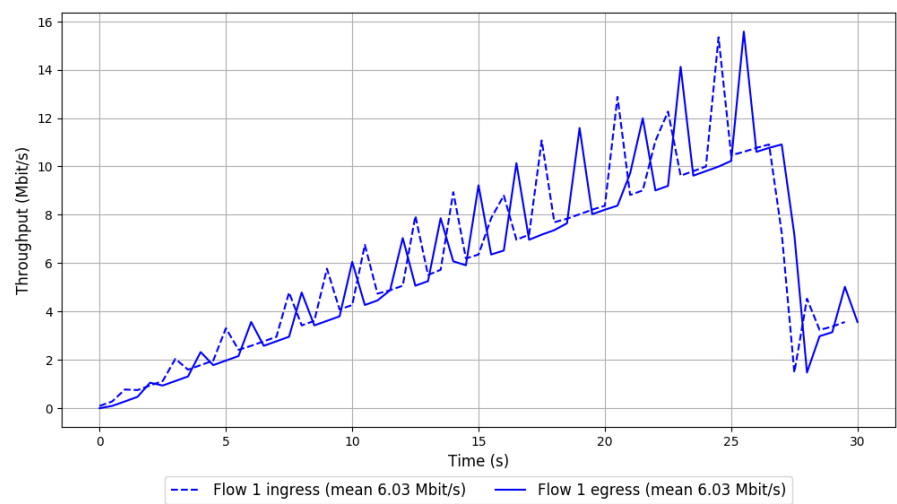


Run 1: Statistics of LEDBAT

Start at: 2019-01-17 06:40:47  
End at: 2019-01-17 06:41:17  
Local clock offset: -2.327 ms  
Remote clock offset: 54.257 ms

# Below is generated by plot.py at 2019-01-17 10:21:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.03 Mbit/s  
95th percentile per-packet one-way delay: 75.043 ms  
Loss rate: 0.02%  
-- Flow 1:  
Average throughput: 6.03 Mbit/s  
95th percentile per-packet one-way delay: 75.043 ms  
Loss rate: 0.02%

Run 1: Report of LEDBAT — Data Link

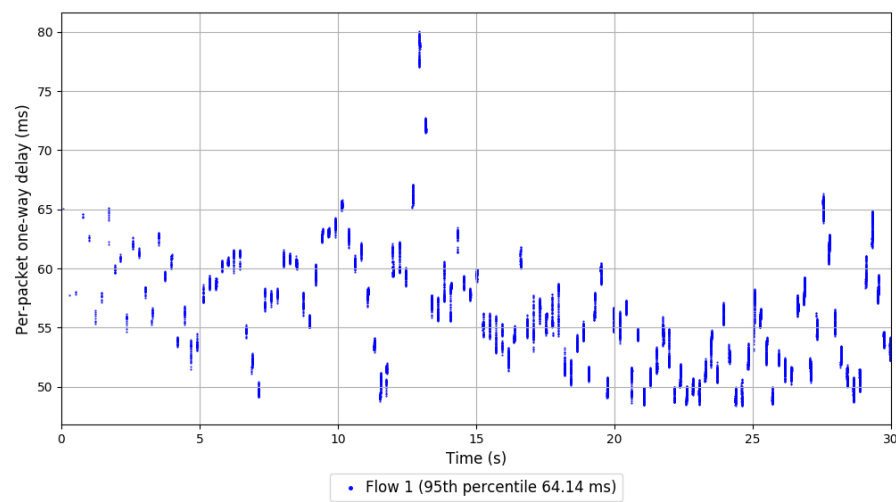
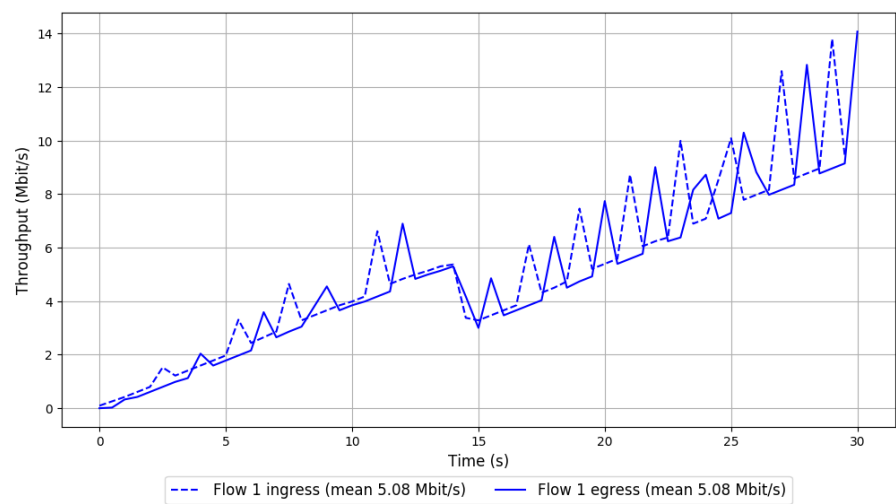


Run 2: Statistics of LEDBAT

Start at: 2019-01-17 07:11:30  
End at: 2019-01-17 07:12:00  
Local clock offset: 0.776 ms  
Remote clock offset: 52.406 ms

# Below is generated by plot.py at 2019-01-17 10:21:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 5.08 Mbit/s  
95th percentile per-packet one-way delay: 64.137 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 5.08 Mbit/s  
95th percentile per-packet one-way delay: 64.137 ms  
Loss rate: 0.00%

Run 2: Report of LEDBAT — Data Link



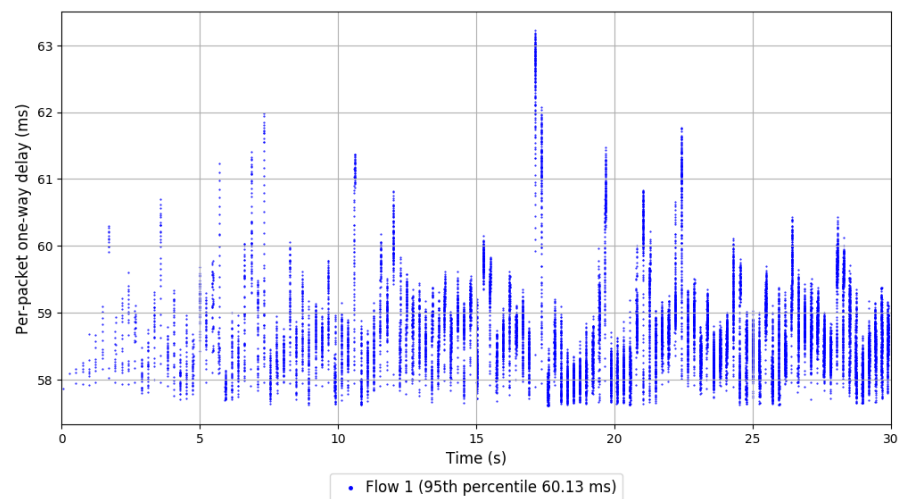
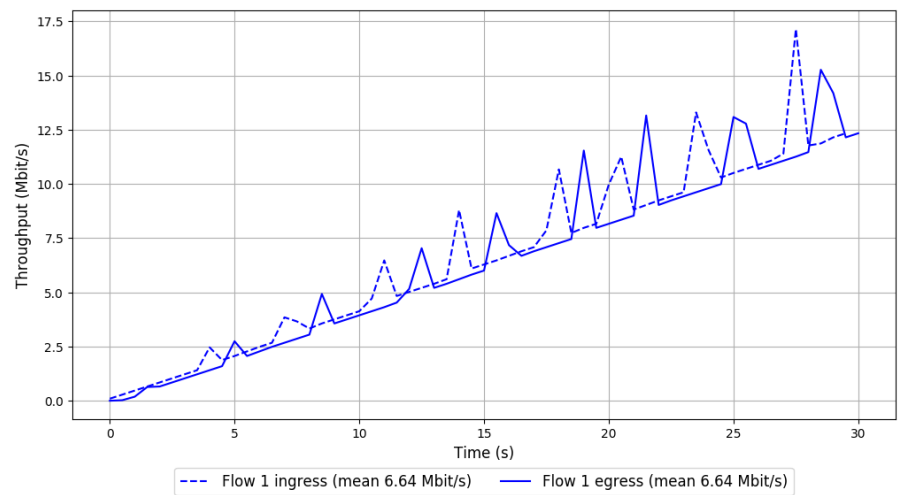


Run 3: Statistics of LEDBAT

Start at: 2019-01-17 07:46:27  
End at: 2019-01-17 07:46:57  
Local clock offset: -1.37 ms  
Remote clock offset: 50.857 ms

# Below is generated by plot.py at 2019-01-17 10:21:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.64 Mbit/s  
95th percentile per-packet one-way delay: 60.126 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 6.64 Mbit/s  
95th percentile per-packet one-way delay: 60.126 ms  
Loss rate: 0.00%

Run 3: Report of LEDBAT — Data Link

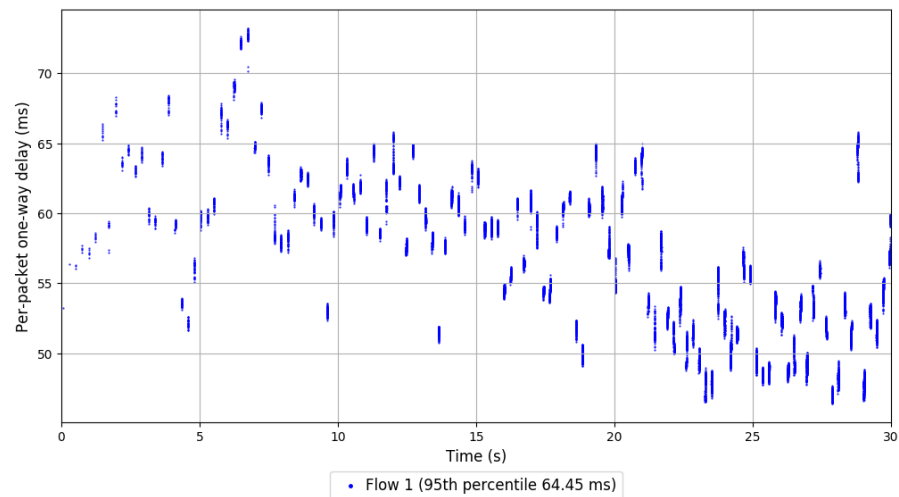
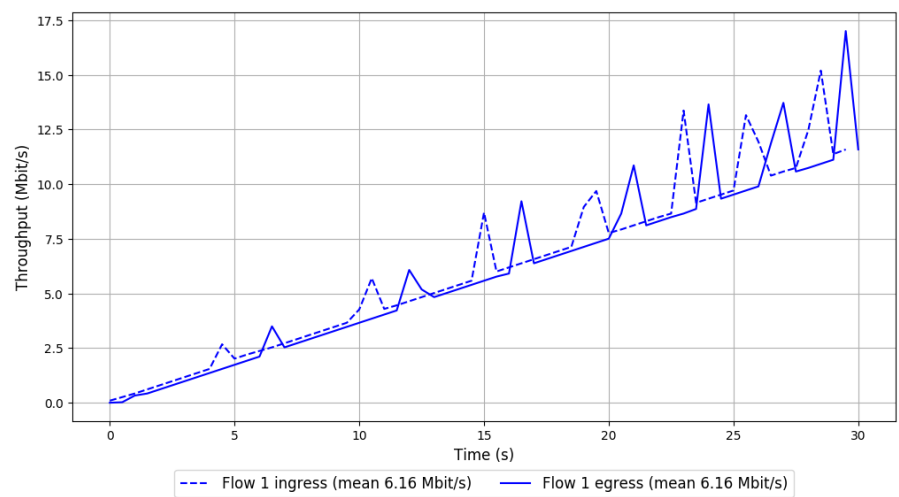


Run 4: Statistics of LEDBAT

Start at: 2019-01-17 08:36:41  
End at: 2019-01-17 08:37:11  
Local clock offset: -2.214 ms  
Remote clock offset: 49.725 ms

# Below is generated by plot.py at 2019-01-17 10:21:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 6.16 Mbit/s  
95th percentile per-packet one-way delay: 64.449 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 6.16 Mbit/s  
95th percentile per-packet one-way delay: 64.449 ms  
Loss rate: 0.00%

Run 4: Report of LEDBAT — Data Link

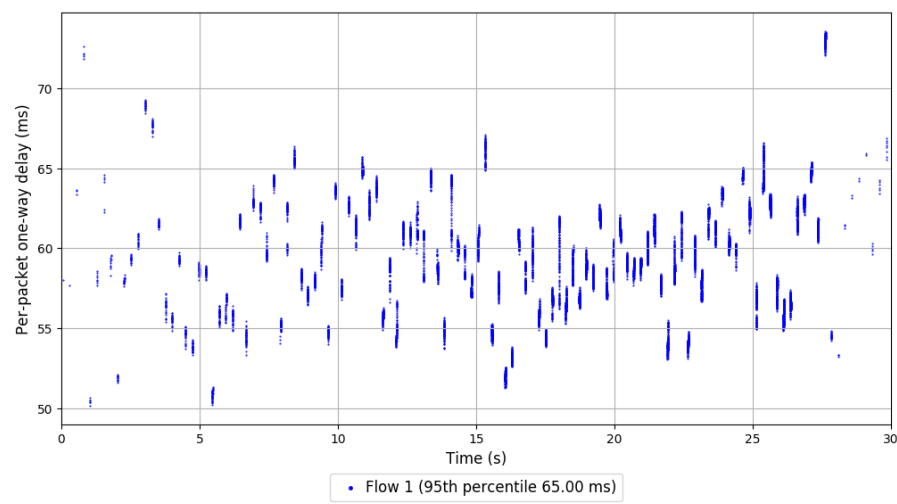
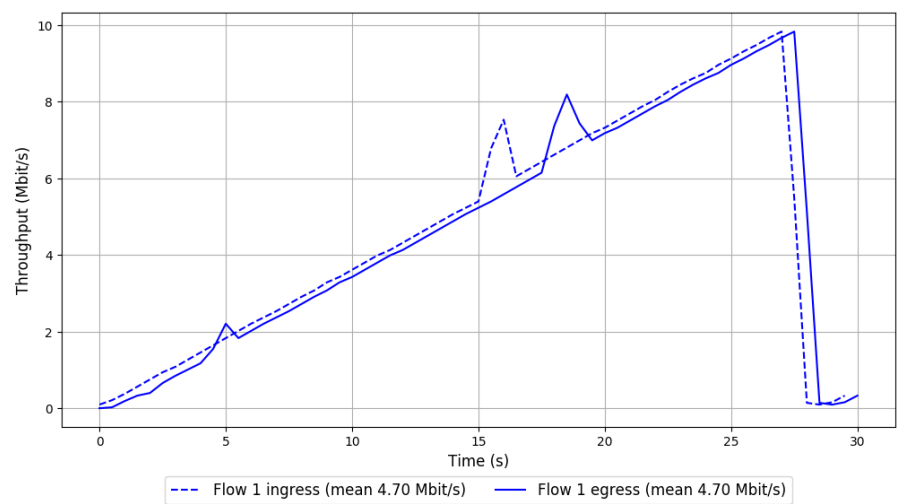


Run 5: Statistics of LEDBAT

Start at: 2019-01-17 09:30:15  
End at: 2019-01-17 09:30:45  
Local clock offset: 2.126 ms  
Remote clock offset: 42.163 ms

# Below is generated by plot.py at 2019-01-17 10:21:54  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 4.70 Mbit/s  
95th percentile per-packet one-way delay: 64.995 ms  
Loss rate: 0.13%  
-- Flow 1:  
Average throughput: 4.70 Mbit/s  
95th percentile per-packet one-way delay: 64.995 ms  
Loss rate: 0.13%

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of PCC-Allegro

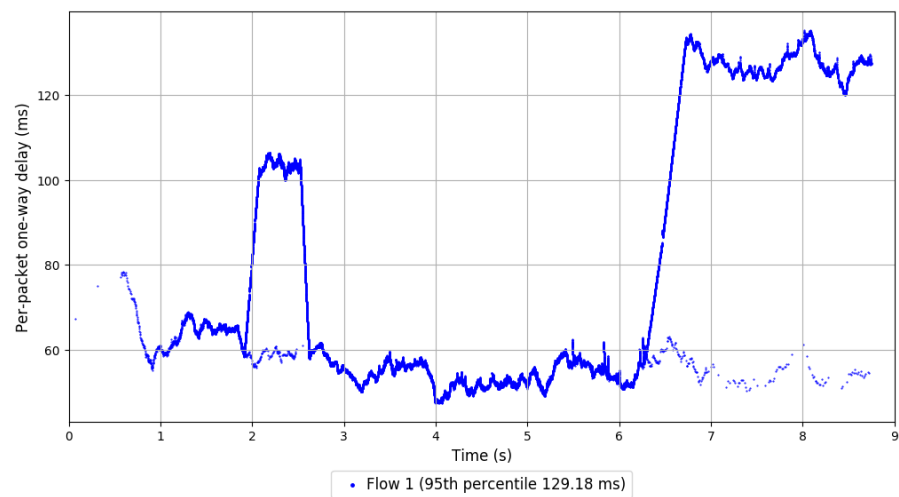
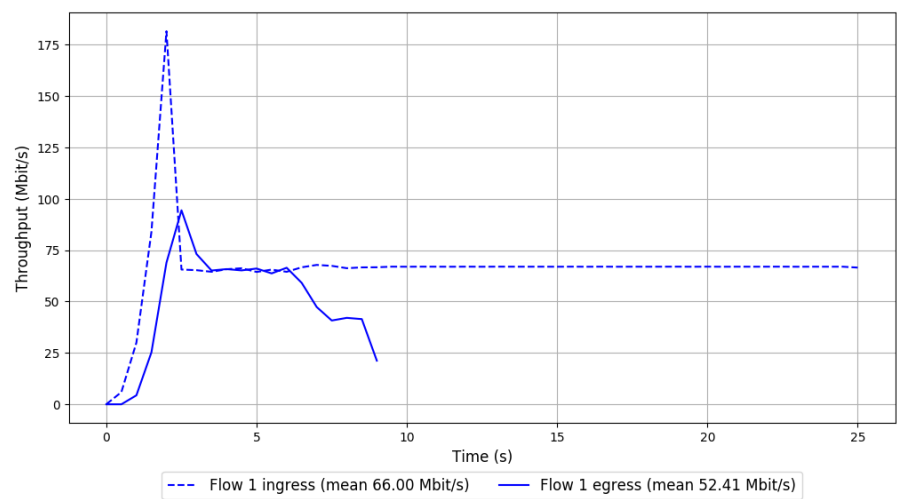
Start at: 2019-01-17 06:47:51

End at: 2019-01-17 06:48:21

Local clock offset: -3.386 ms

Remote clock offset: 52.463 ms

Run 1: Report of PCC-Allegro — Data Link





Run 2: Statistics of PCC-Allegro

Start at: 2019-01-17 07:21:13

End at: 2019-01-17 07:21:43

Local clock offset: 0.237 ms

Remote clock offset: 45.909 ms

# Below is generated by plot.py at 2019-01-17 10:21:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 3.91 Mbit/s

95th percentile per-packet one-way delay: 78.684 ms

Loss rate: 0.05%

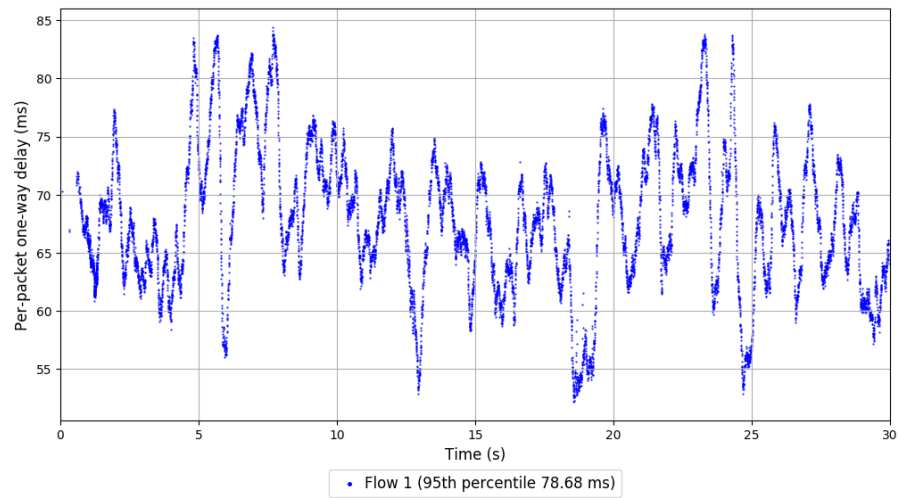
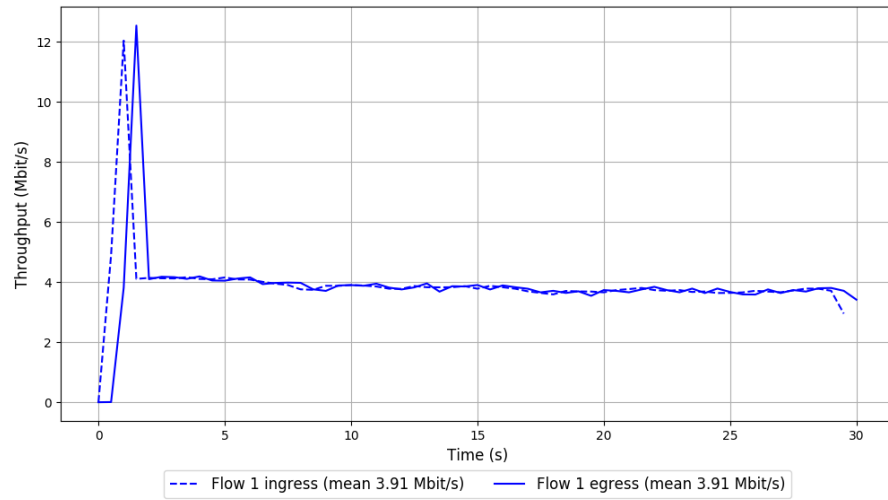
-- Flow 1:

Average throughput: 3.91 Mbit/s

95th percentile per-packet one-way delay: 78.684 ms

Loss rate: 0.05%

## Run 2: Report of PCC-Allegro — Data Link



Run 3: Statistics of PCC-Allegro

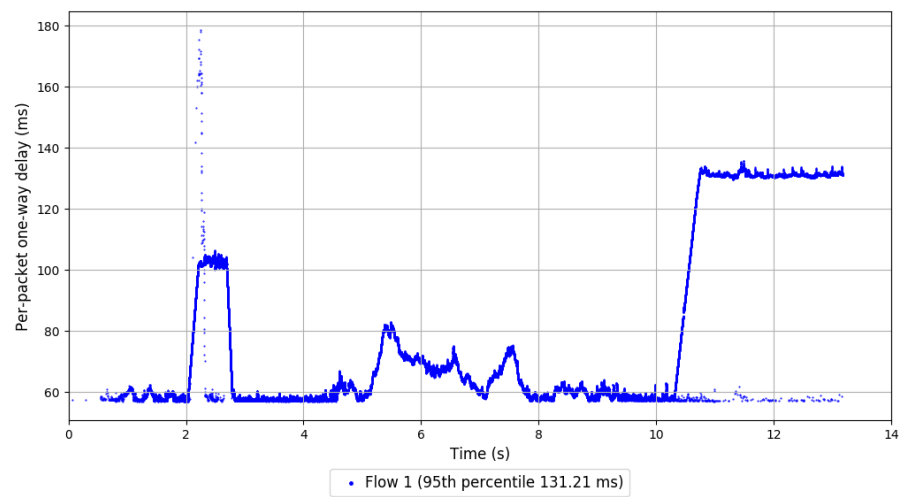
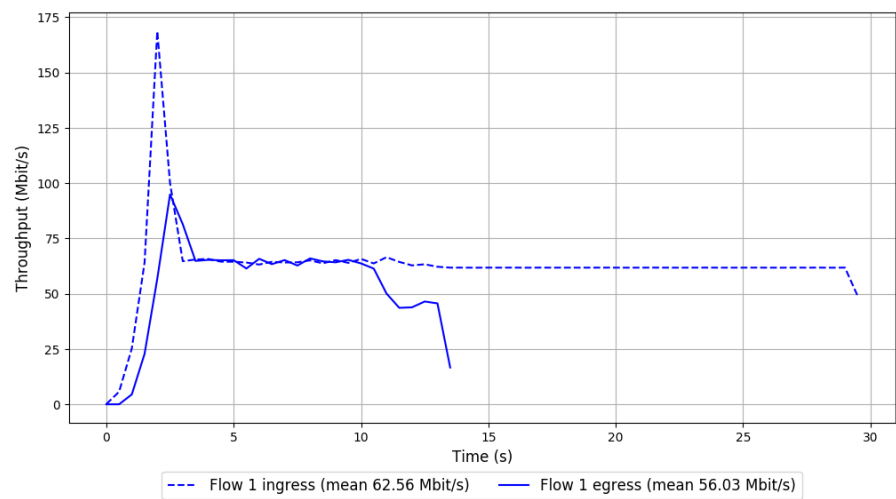
Start at: 2019-01-17 07:57:07

End at: 2019-01-17 07:57:37

Local clock offset: 1.194 ms

Remote clock offset: 33.739 ms

Run 3: Report of PCC-Allegro — Data Link



Run 4: Statistics of PCC-Allegro

Start at: 2019-01-17 08:47:32

End at: 2019-01-17 08:48:02

Local clock offset: -3.282 ms

Remote clock offset: 59.598 ms

# Below is generated by plot.py at 2019-01-17 10:21:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 7.39 Mbit/s

95th percentile per-packet one-way delay: 57.525 ms

Loss rate: 0.00%

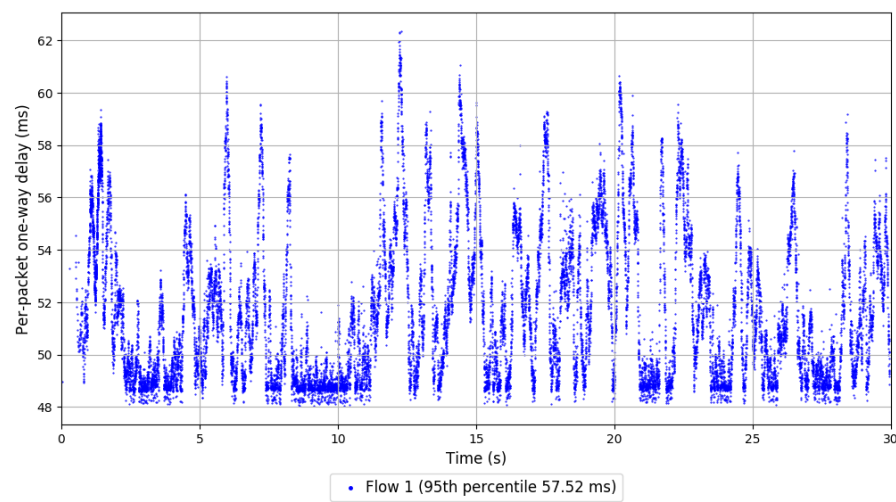
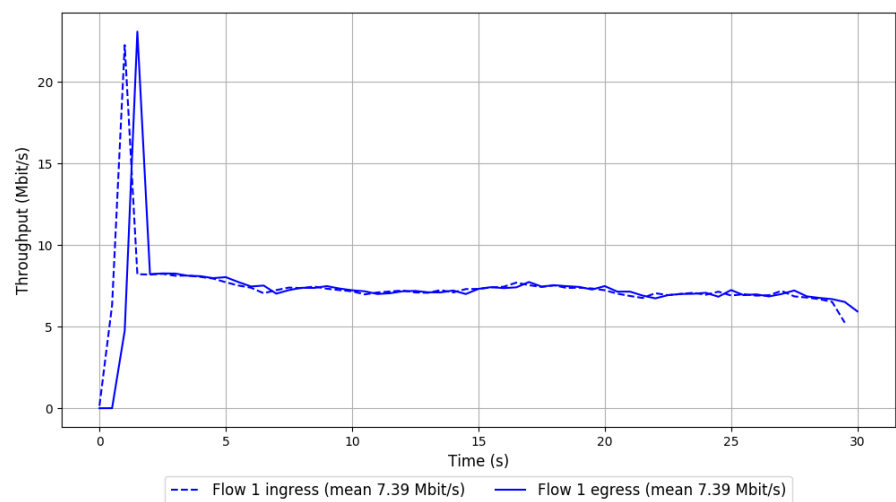
-- Flow 1:

Average throughput: 7.39 Mbit/s

95th percentile per-packet one-way delay: 57.525 ms

Loss rate: 0.00%

Run 4: Report of PCC-Allegro — Data Link



Run 5: Statistics of PCC-Allegro

Start at: 2019-01-17 09:46:56

End at: 2019-01-17 09:47:26

Local clock offset: 1.569 ms

Remote clock offset: 17.15 ms

# Below is generated by plot.py at 2019-01-17 10:21:54

# Datalink statistics

-- Total of 1 flow:

Average throughput: 4.45 Mbit/s

95th percentile per-packet one-way delay: 68.237 ms

Loss rate: 0.00%

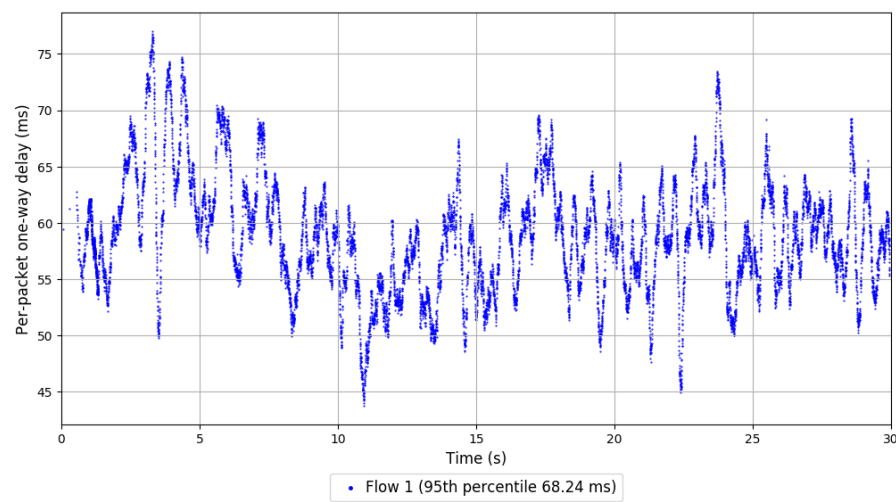
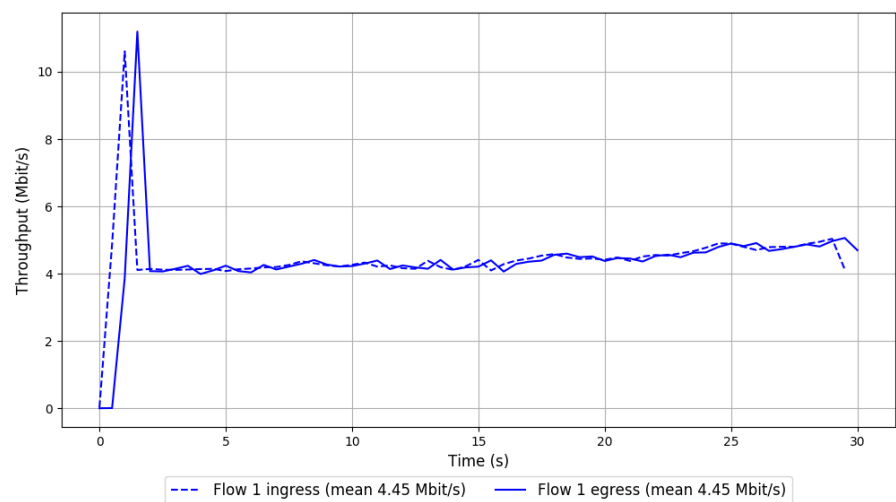
-- Flow 1:

Average throughput: 4.45 Mbit/s

95th percentile per-packet one-way delay: 68.237 ms

Loss rate: 0.00%

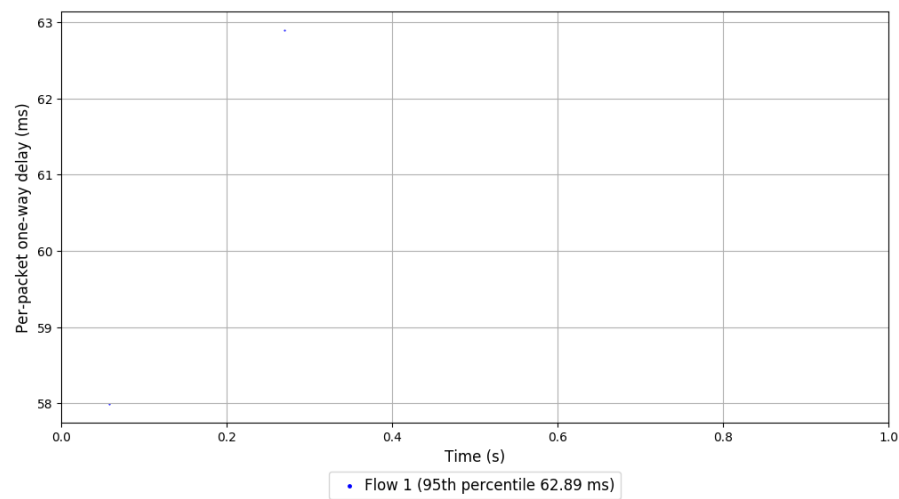
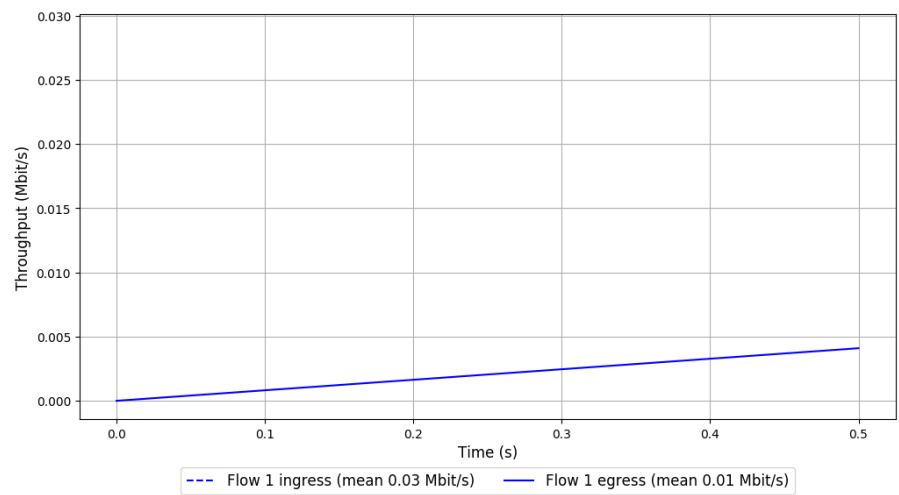
Run 5: Report of PCC-Allegro — Data Link





Run 1: Statistics of PCC-Expr  
  
Start at: 2019-01-17 06:53:12  
End at: 2019-01-17 06:53:42  
Local clock offset: -1.176 ms  
Remote clock offset: 49.974 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

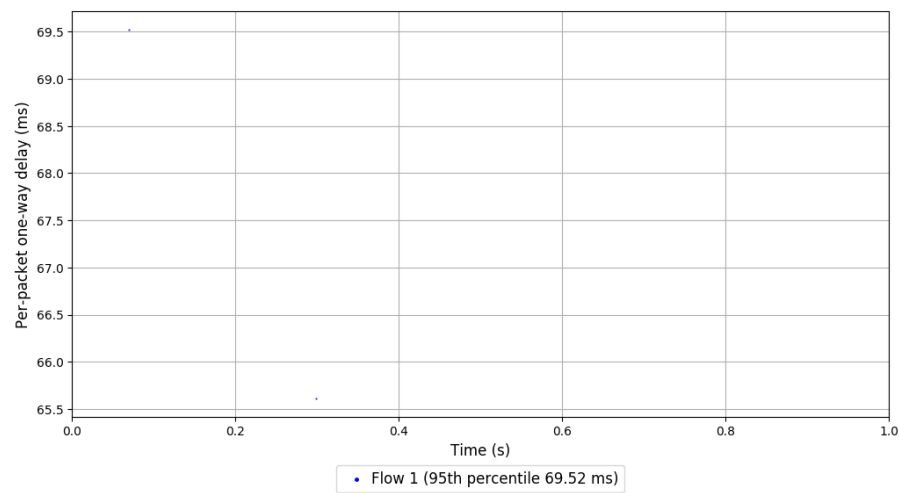
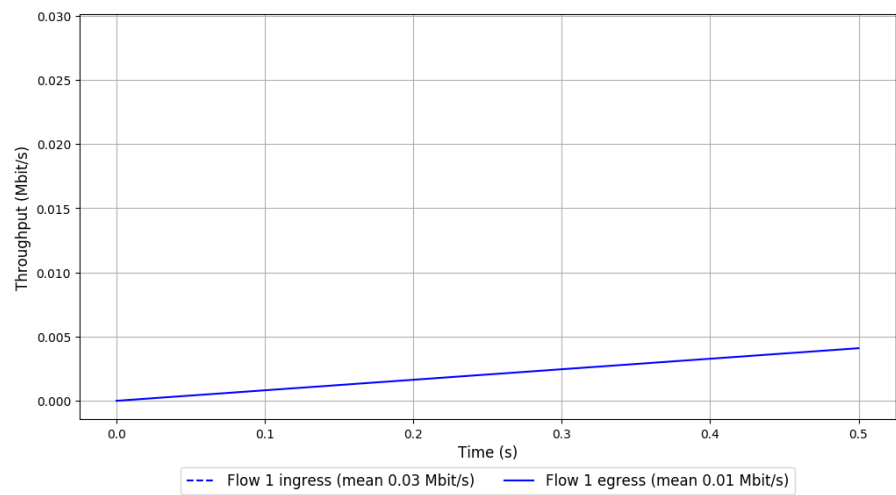
Start at: 2019-01-17 07:26:37

End at: 2019-01-17 07:27:07

Local clock offset: -0.205 ms

Remote clock offset: 50.238 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

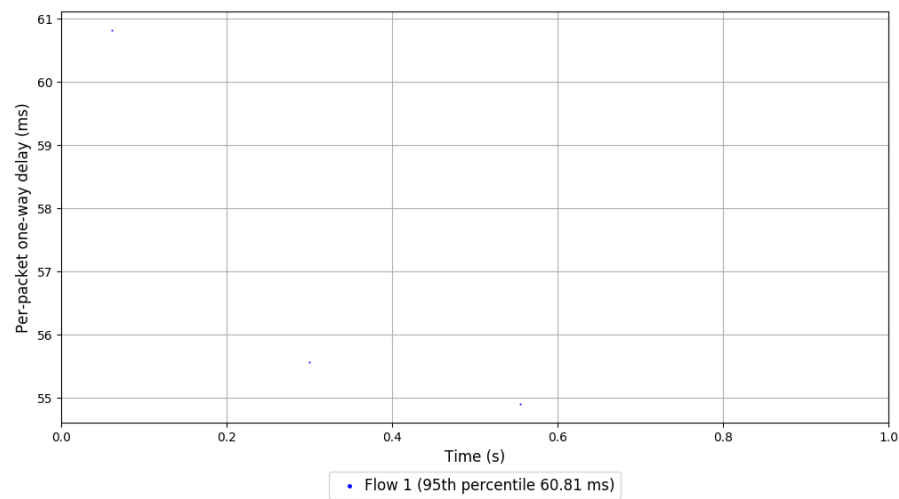
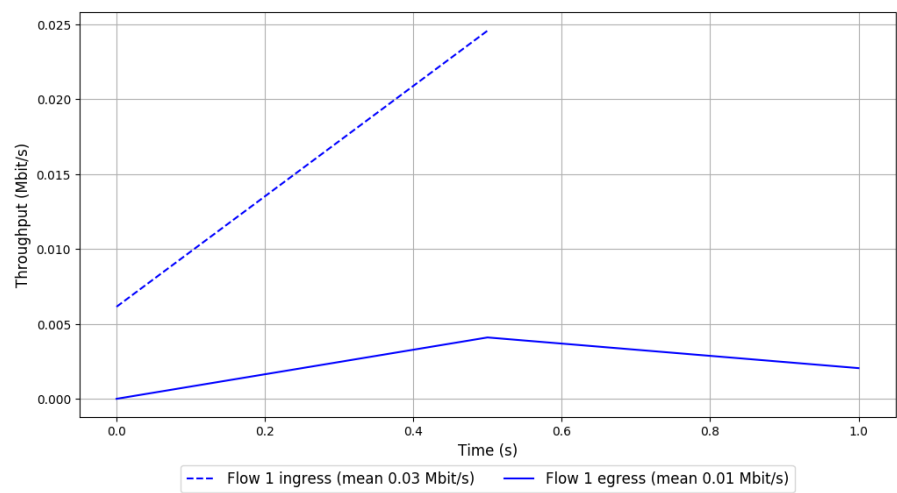
Start at: 2019-01-17 08:03:22

End at: 2019-01-17 08:03:52

Local clock offset: 1.908 ms

Remote clock offset: 23.216 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

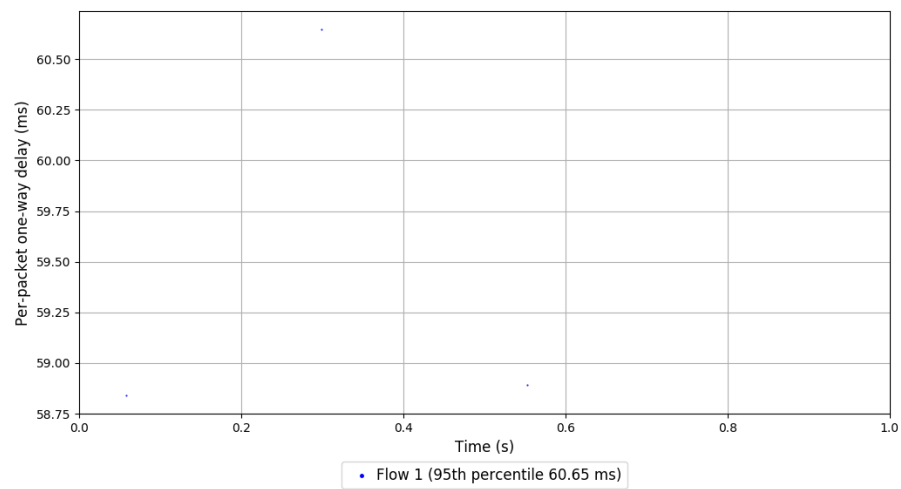
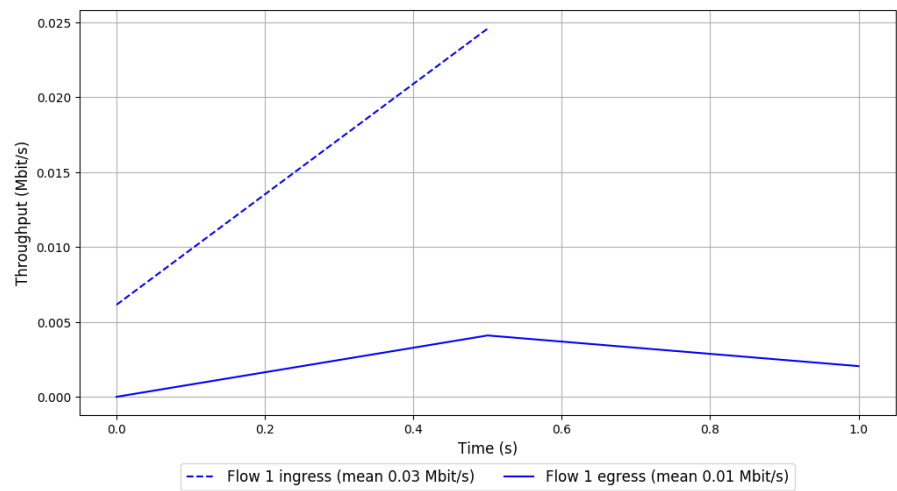
Start at: 2019-01-17 08:54:34

End at: 2019-01-17 08:55:04

Local clock offset: 0.743 ms

Remote clock offset: 62.905 ms

Run 4: Report of PCC-Expr — Data Link





Run 5: Statistics of PCC-Expr

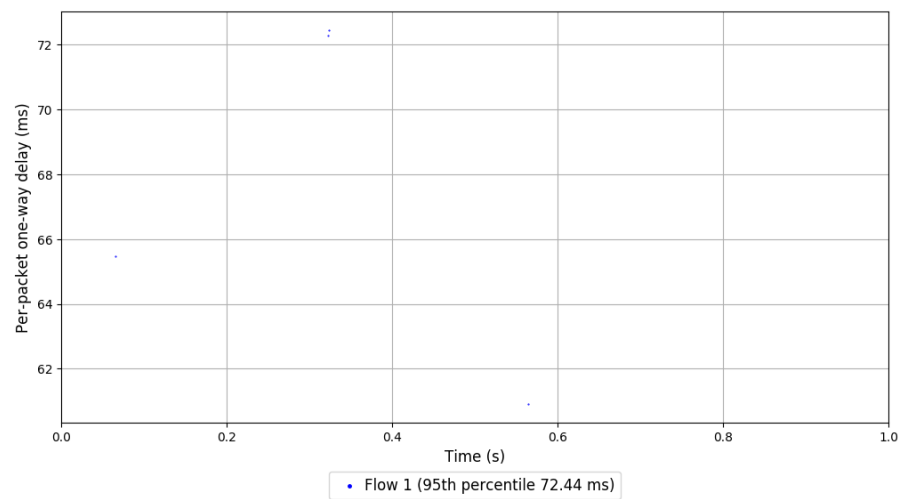
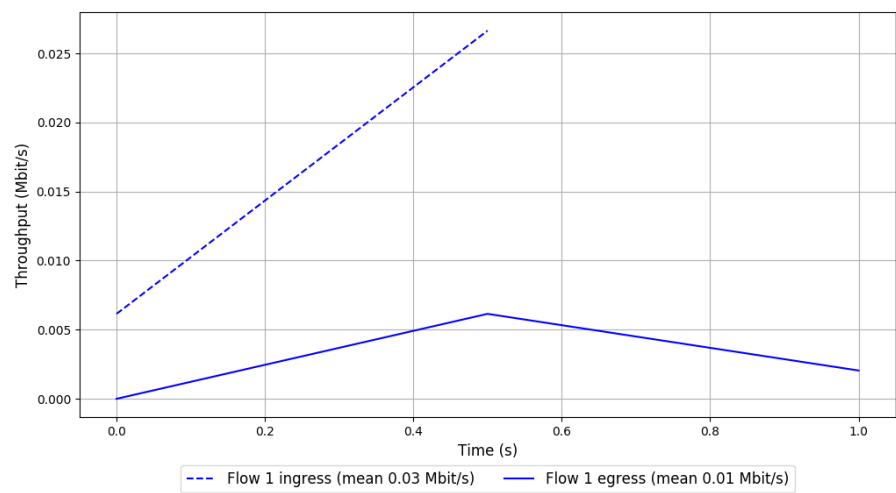
Start at: 2019-01-17 09:54:26

End at: 2019-01-17 09:54:56

Local clock offset: 1.938 ms

Remote clock offset: 10.037 ms

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

Start at: 2019-01-17 06:51:30

End at: 2019-01-17 06:52:01

Local clock offset: -1.604 ms

Remote clock offset: 49.004 ms

# Below is generated by plot.py at 2019-01-17 10:22:00

# Datalink statistics

-- Total of 1 flow:

Average throughput: 42.99 Mbit/s

95th percentile per-packet one-way delay: 78.168 ms

Loss rate: 0.01%

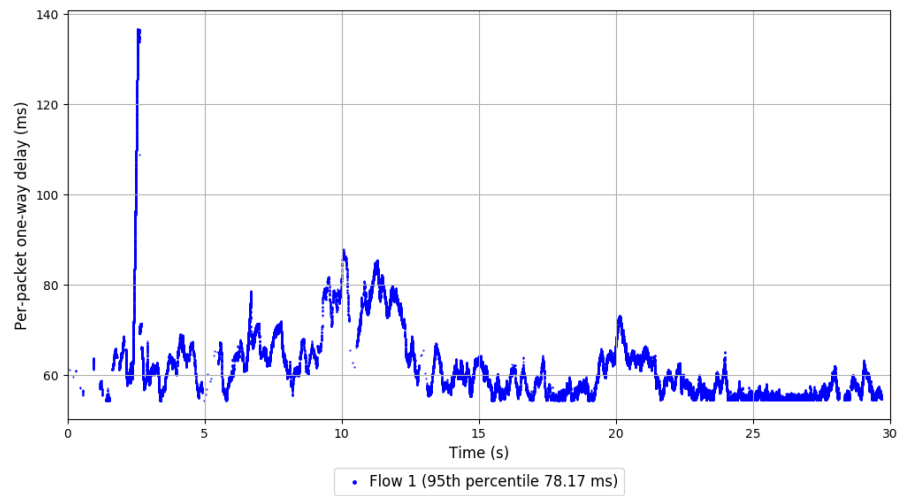
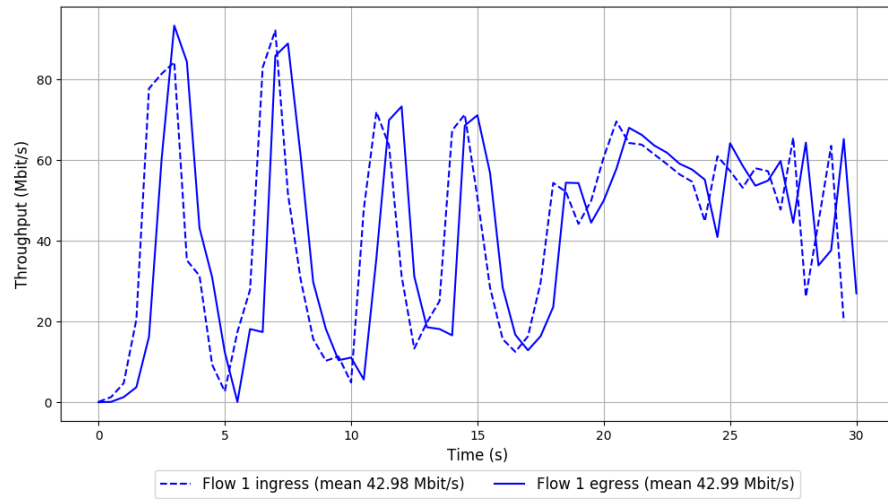
-- Flow 1:

Average throughput: 42.99 Mbit/s

95th percentile per-packet one-way delay: 78.168 ms

Loss rate: 0.01%

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



Run 2: Statistics of QUIC Cubic

Start at: 2019-01-17 07:24:52

End at: 2019-01-17 07:25:22

Local clock offset: 0.003 ms

Remote clock offset: 48.303 ms

# Below is generated by plot.py at 2019-01-17 10:22:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 46.46 Mbit/s

95th percentile per-packet one-way delay: 82.163 ms

Loss rate: 0.00%

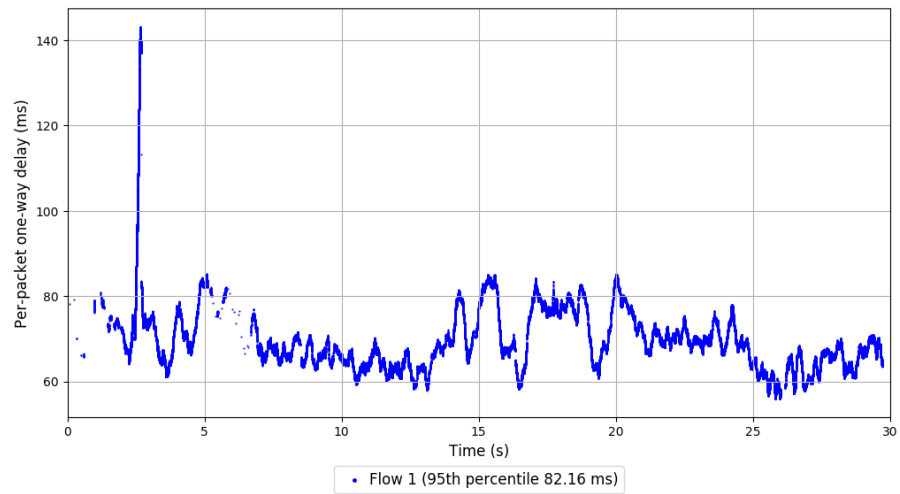
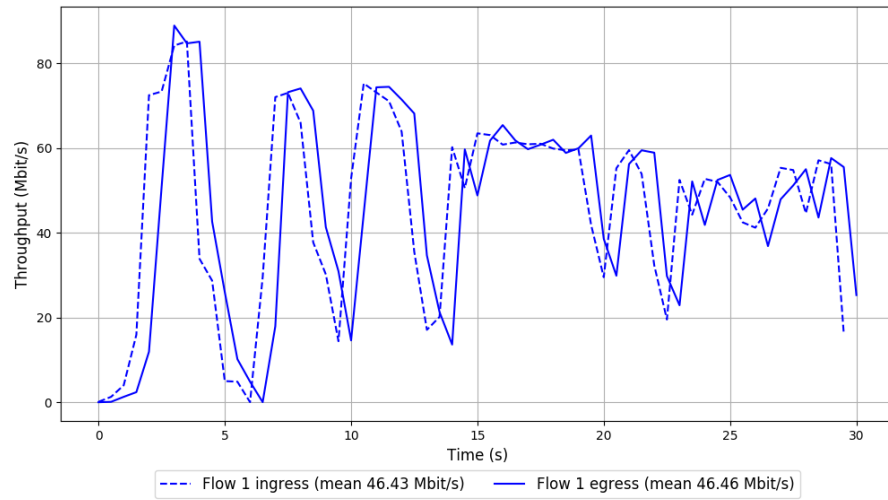
-- Flow 1:

Average throughput: 46.46 Mbit/s

95th percentile per-packet one-way delay: 82.163 ms

Loss rate: 0.00%

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



Run 3: Statistics of QUIC Cubic

Start at: 2019-01-17 08:01:14

End at: 2019-01-17 08:01:44

Local clock offset: 1.59 ms

Remote clock offset: 25.45 ms

# Below is generated by plot.py at 2019-01-17 10:22:08

# Datalink statistics

-- Total of 1 flow:

Average throughput: 37.11 Mbit/s

95th percentile per-packet one-way delay: 71.374 ms

Loss rate: 0.00%

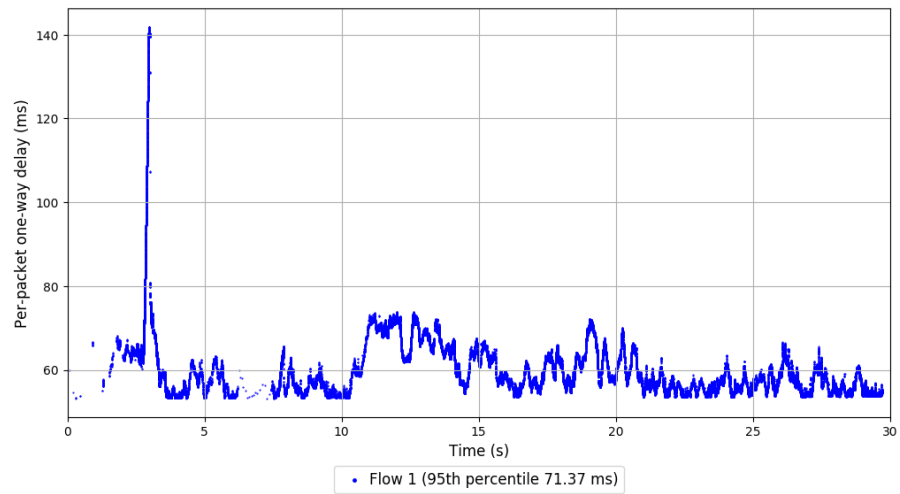
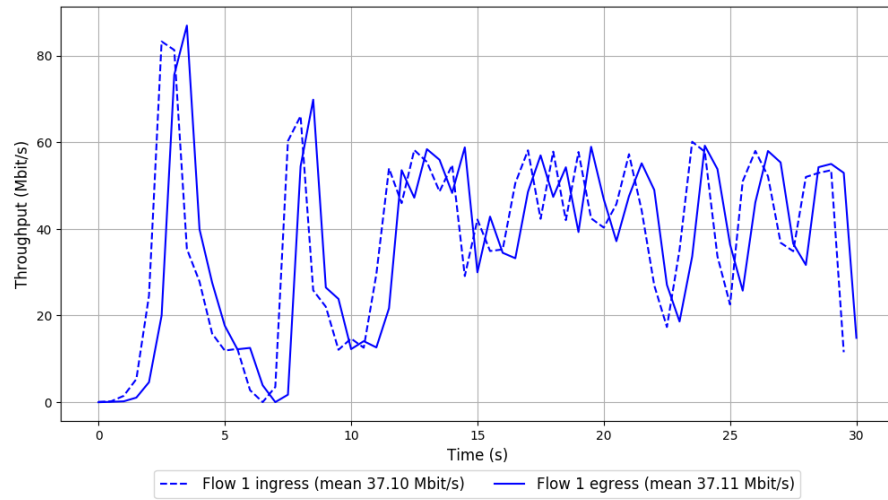
-- Flow 1:

Average throughput: 37.11 Mbit/s

95th percentile per-packet one-way delay: 71.374 ms

Loss rate: 0.00%

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



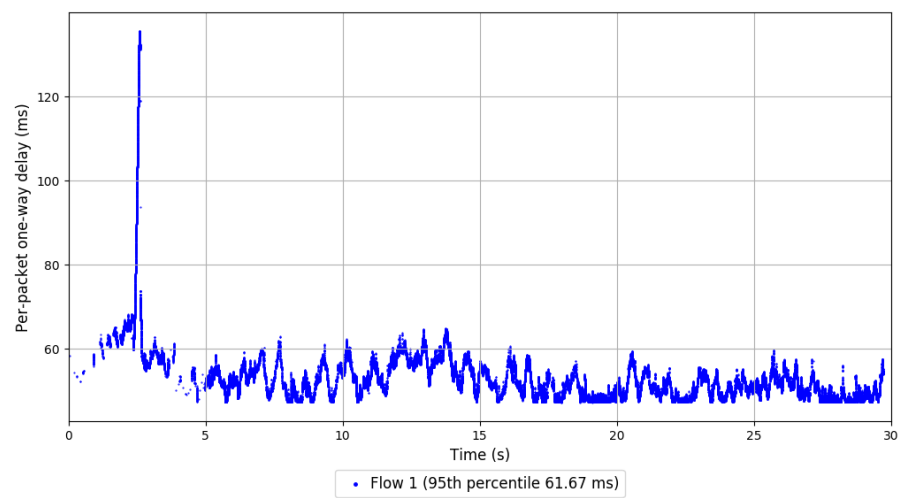
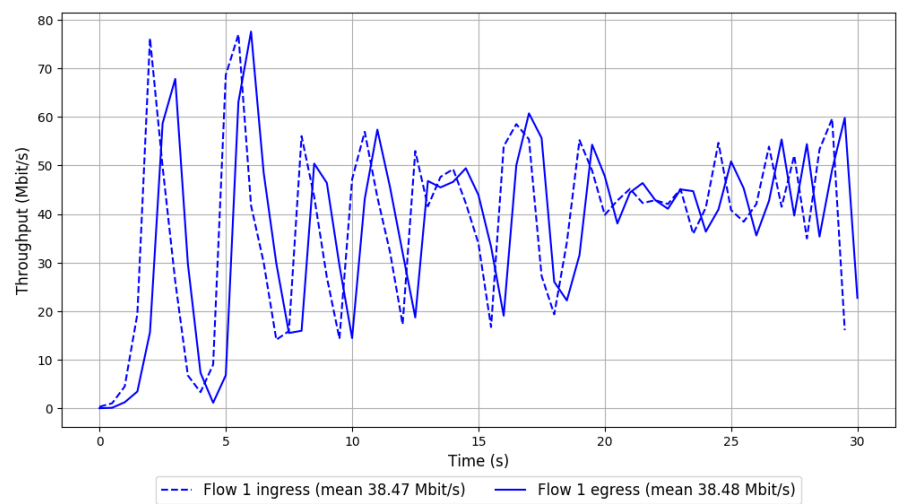


Run 4: Statistics of QUIC Cubic

Start at: 2019-01-17 08:51:37  
End at: 2019-01-17 08:52:07  
Local clock offset: -0.668 ms  
Remote clock offset: 61.538 ms

# Below is generated by plot.py at 2019-01-17 10:22:09  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 38.48 Mbit/s  
95th percentile per-packet one-way delay: 61.672 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 38.48 Mbit/s  
95th percentile per-packet one-way delay: 61.672 ms  
Loss rate: 0.00%

Run 4: Report of QUIC Cubic — Data Link

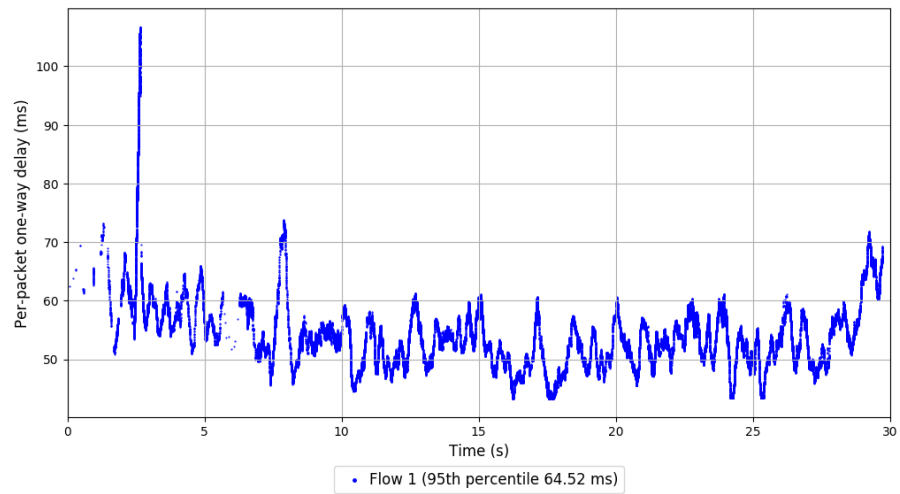
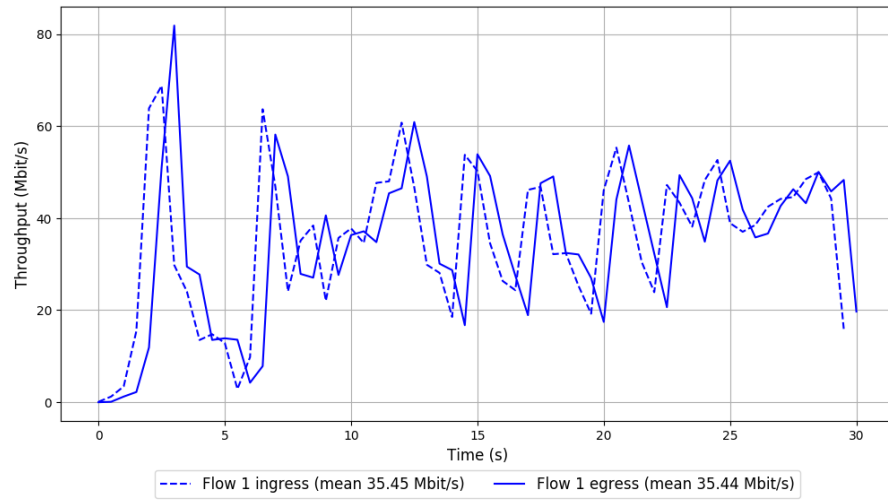


Run 5: Statistics of QUIC Cubic

Start at: 2019-01-17 09:51:01  
End at: 2019-01-17 09:51:31  
Local clock offset: 1.538 ms  
Remote clock offset: 12.607 ms

# Below is generated by plot.py at 2019-01-17 10:22:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 35.44 Mbit/s  
95th percentile per-packet one-way delay: 64.517 ms  
Loss rate: 0.01%  
-- Flow 1:  
Average throughput: 35.44 Mbit/s  
95th percentile per-packet one-way delay: 64.517 ms  
Loss rate: 0.01%

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

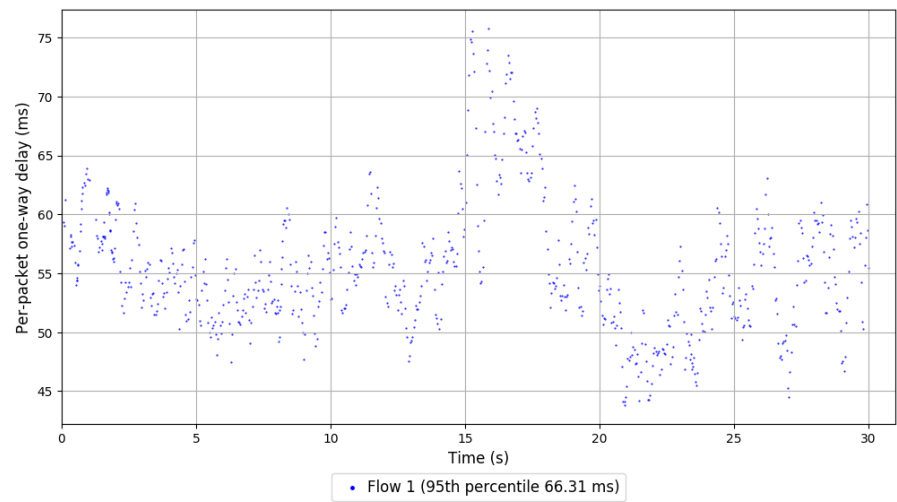
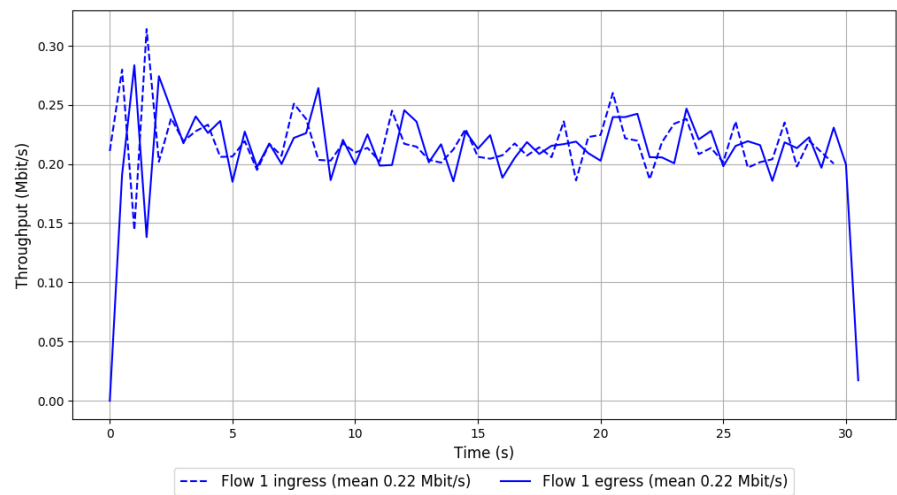


Run 1: Statistics of SCReAM

Start at: 2019-01-17 06:50:19  
End at: 2019-01-17 06:50:49  
Local clock offset: -2.19 ms  
Remote clock offset: 47.563 ms

# Below is generated by plot.py at 2019-01-17 10:22:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 66.311 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 66.311 ms  
Loss rate: 0.00%

Run 1: Report of SReAM — Data Link

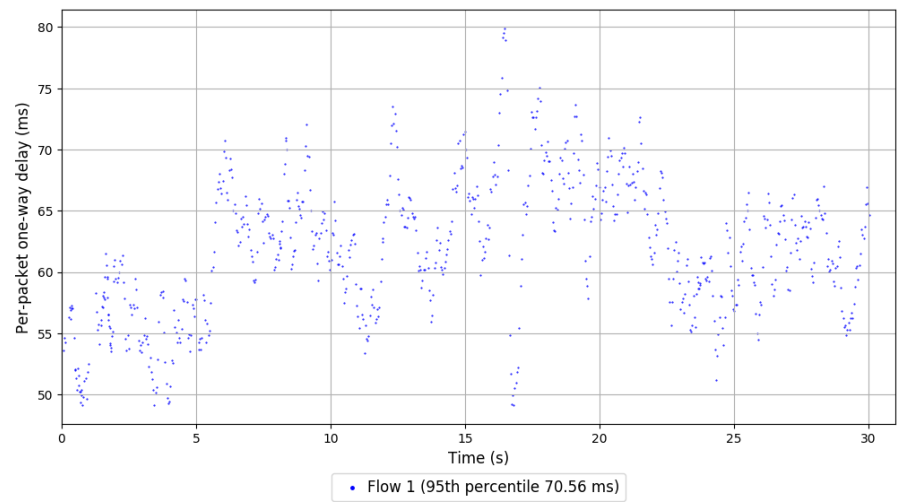
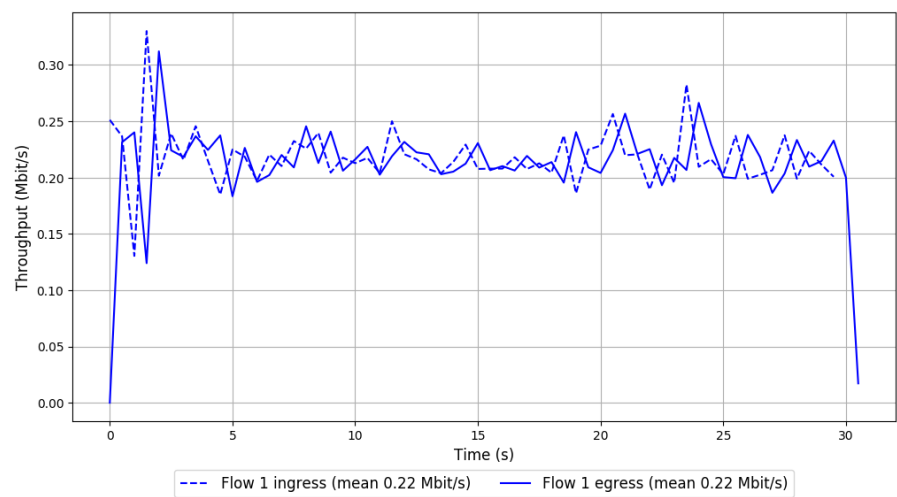


Run 2: Statistics of SCReAM

Start at: 2019-01-17 07:23:40  
End at: 2019-01-17 07:24:10  
Local clock offset: -0.067 ms  
Remote clock offset: 51.709 ms

# Below is generated by plot.py at 2019-01-17 10:22:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 70.560 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 70.560 ms  
Loss rate: 0.00%

Run 2: Report of SReAM — Data Link



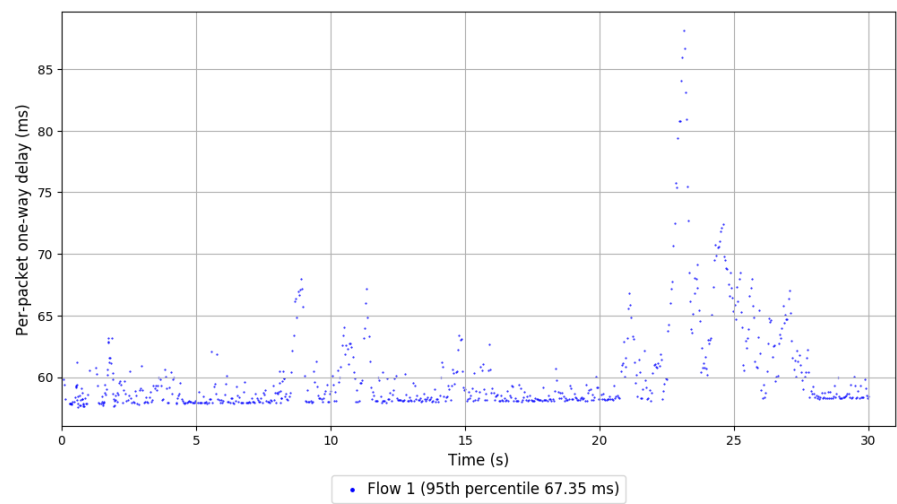
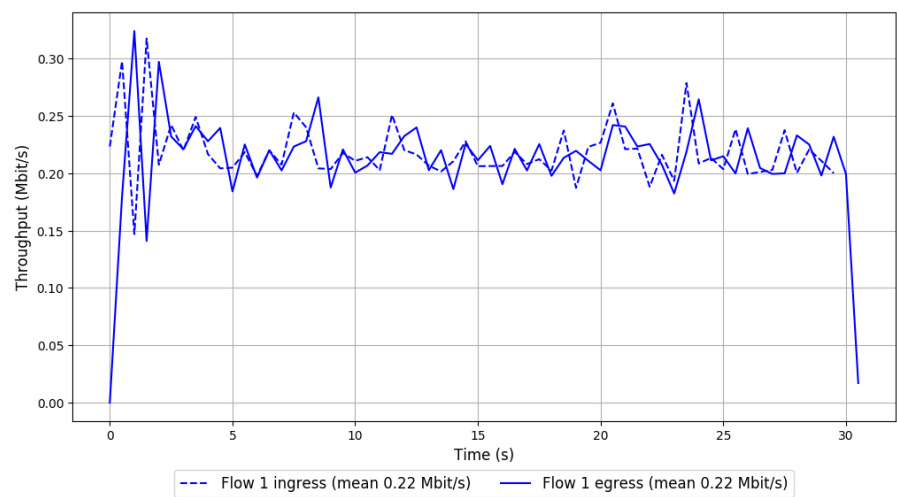


Run 3: Statistics of SCReAM

Start at: 2019-01-17 08:00:02  
End at: 2019-01-17 08:00:32  
Local clock offset: 1.602 ms  
Remote clock offset: 31.341 ms

# Below is generated by plot.py at 2019-01-17 10:22:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 67.349 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.22 Mbit/s  
95th percentile per-packet one-way delay: 67.349 ms  
Loss rate: 0.00%

Run 3: Report of SReAM — Data Link

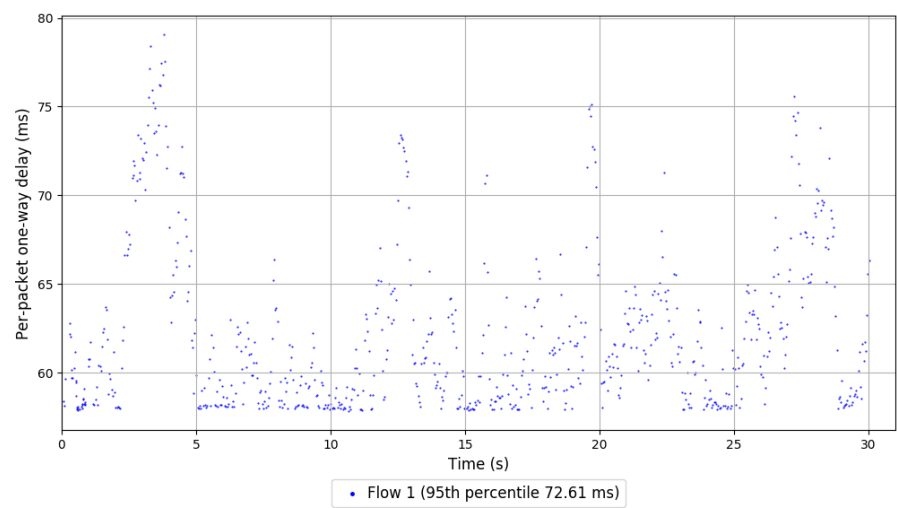
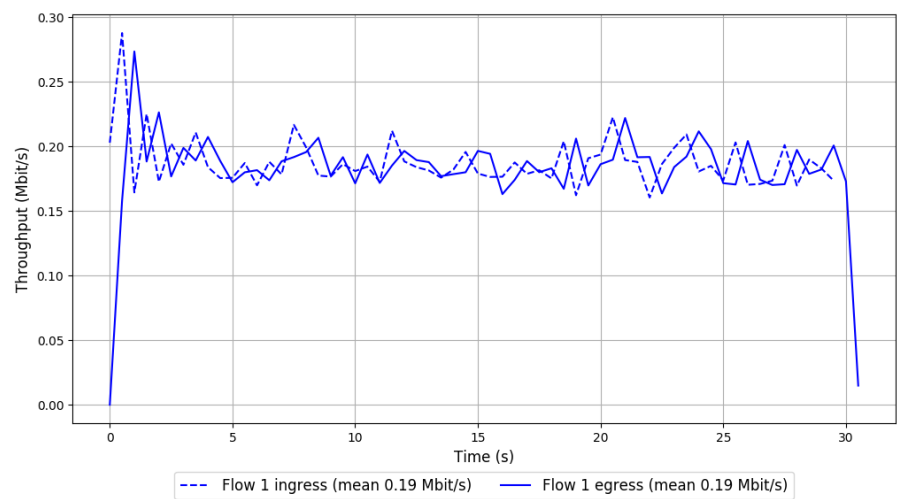


Run 4: Statistics of SCReAM

Start at: 2019-01-17 08:50:25  
End at: 2019-01-17 08:50:55  
Local clock offset: -1.297 ms  
Remote clock offset: 61.788 ms

# Below is generated by plot.py at 2019-01-17 10:22:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.19 Mbit/s  
95th percentile per-packet one-way delay: 72.614 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.19 Mbit/s  
95th percentile per-packet one-way delay: 72.614 ms  
Loss rate: 0.00%

Run 4: Report of SReAM — Data Link

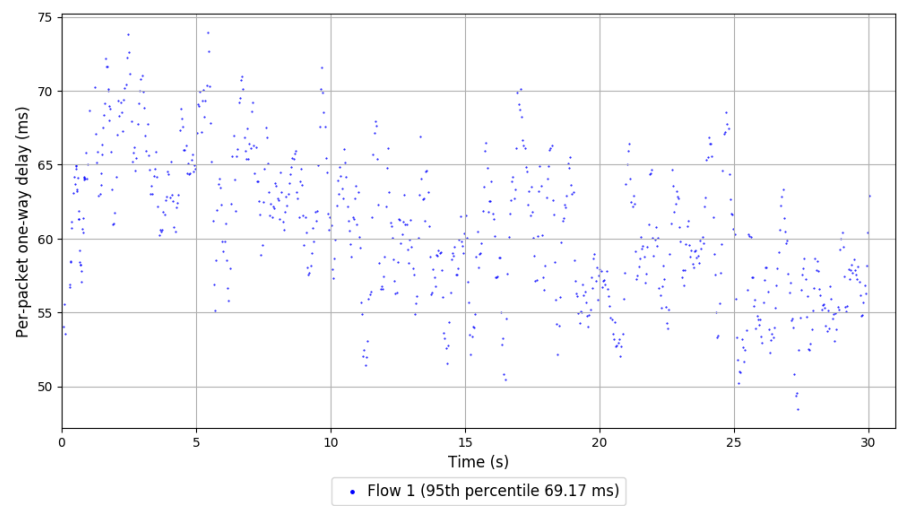
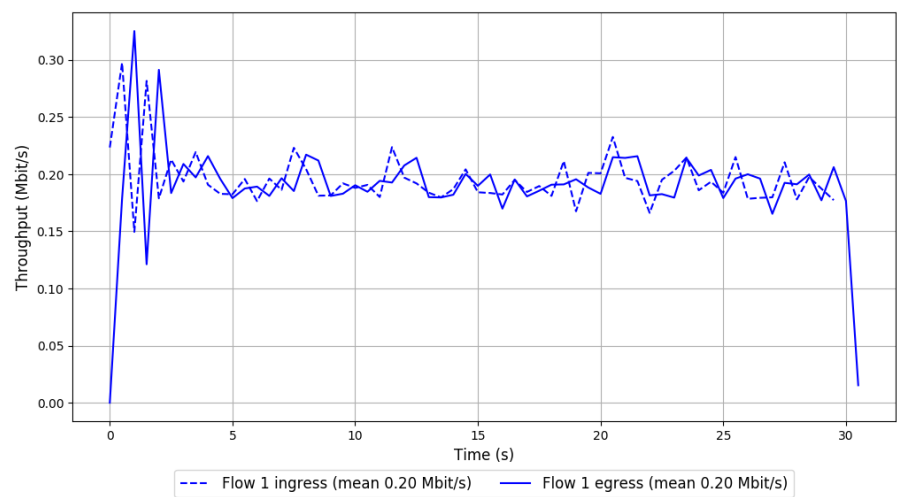


Run 5: Statistics of SCReAM

Start at: 2019-01-17 09:49:48  
End at: 2019-01-17 09:50:18  
Local clock offset: 1.676 ms  
Remote clock offset: 14.259 ms

# Below is generated by plot.py at 2019-01-17 10:22:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.20 Mbit/s  
95th percentile per-packet one-way delay: 69.169 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.20 Mbit/s  
95th percentile per-packet one-way delay: 69.169 ms  
Loss rate: 0.00%

Run 5: Report of SReAM — Data Link

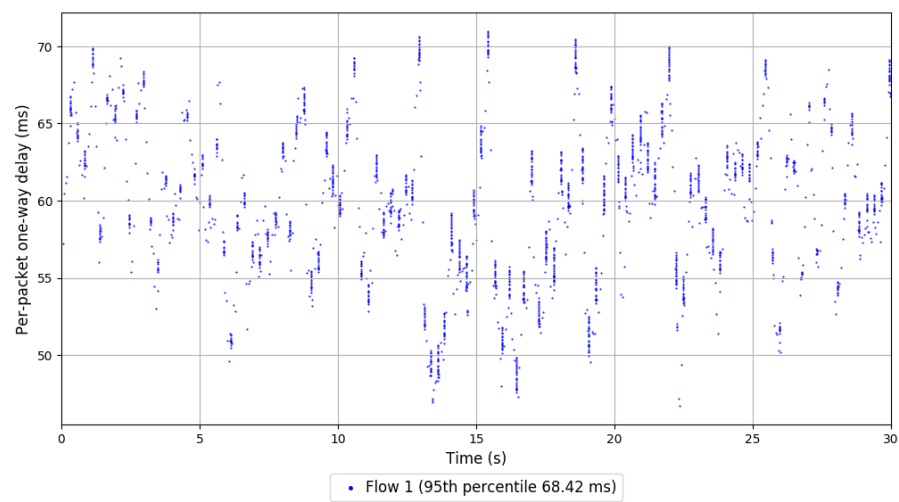
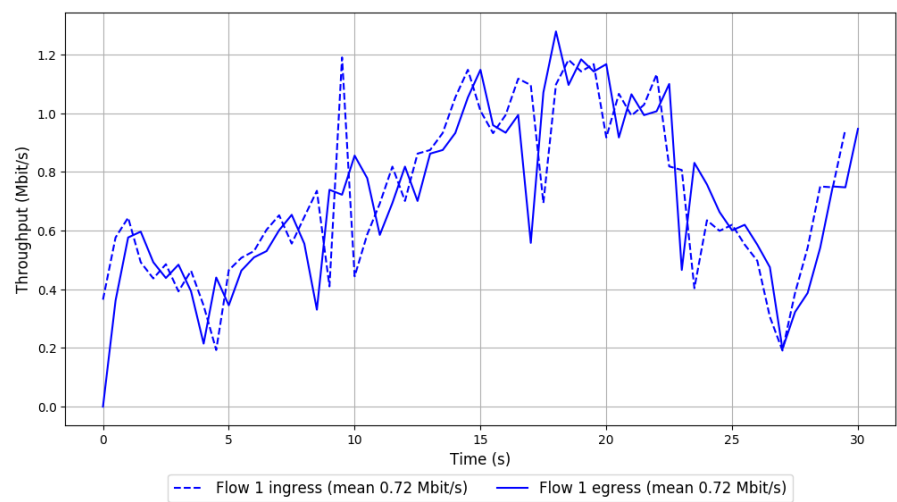


Run 1: Statistics of Sprout

Start at: 2019-01-17 06:58:30  
End at: 2019-01-17 06:59:00  
Local clock offset: -0.122 ms  
Remote clock offset: 41.469 ms

# Below is generated by plot.py at 2019-01-17 10:22:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.72 Mbit/s  
95th percentile per-packet one-way delay: 68.415 ms  
Loss rate: 0.22%  
-- Flow 1:  
Average throughput: 0.72 Mbit/s  
95th percentile per-packet one-way delay: 68.415 ms  
Loss rate: 0.22%

Run 1: Report of Sprout — Data Link



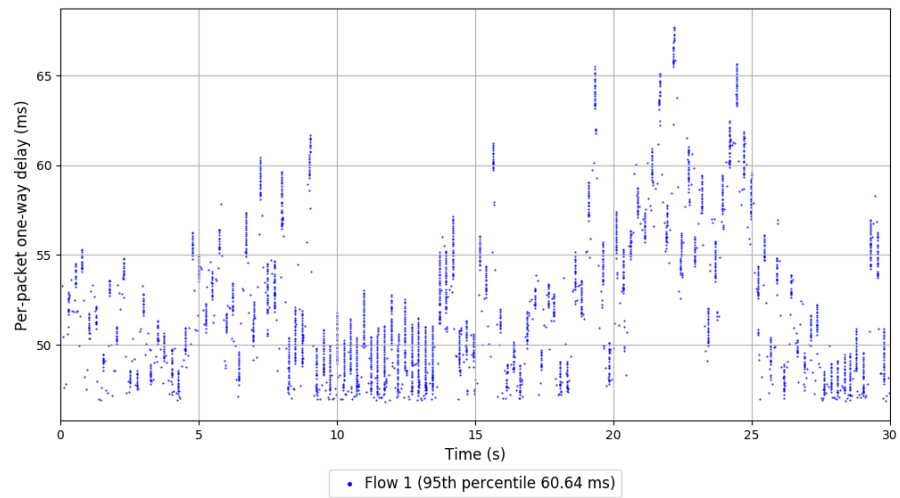
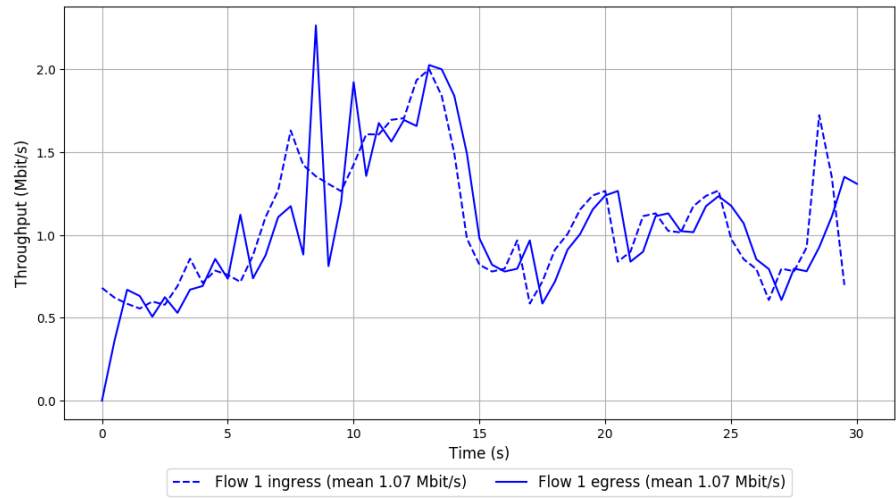


Run 2: Statistics of Sprout

Start at: 2019-01-17 07:32:44  
End at: 2019-01-17 07:33:14  
Local clock offset: -0.592 ms  
Remote clock offset: 49.636 ms

# Below is generated by plot.py at 2019-01-17 10:22:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.07 Mbit/s  
95th percentile per-packet one-way delay: 60.642 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.07 Mbit/s  
95th percentile per-packet one-way delay: 60.642 ms  
Loss rate: 0.00%

## Run 2: Report of Sprout — Data Link

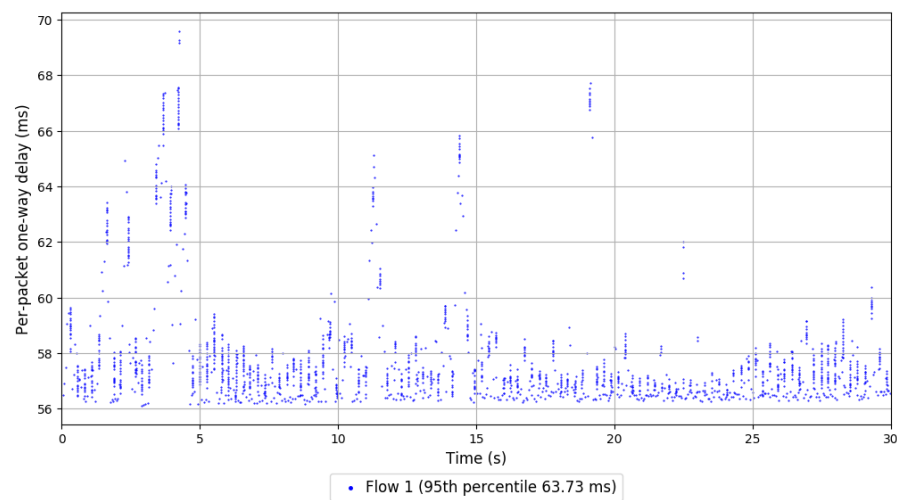
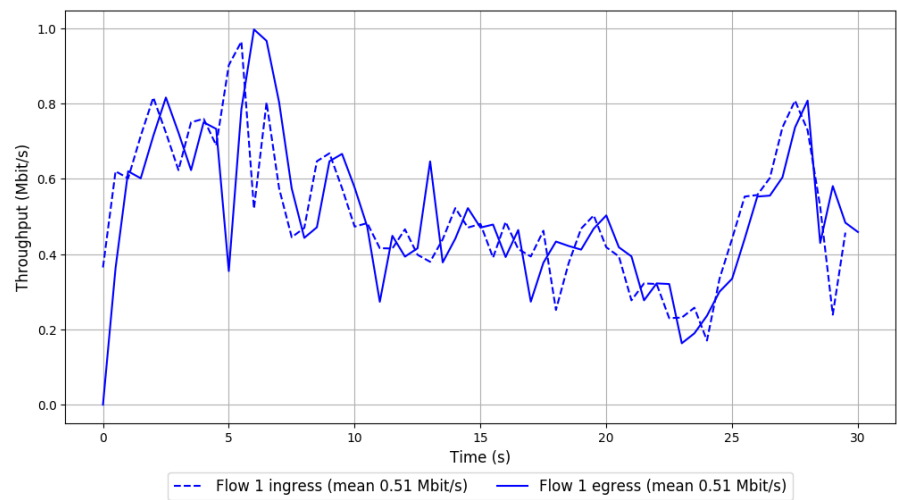


Run 3: Statistics of Sprout

Start at: 2019-01-17 08:13:19  
End at: 2019-01-17 08:13:49  
Local clock offset: 2.311 ms  
Remote clock offset: 21.084 ms

# Below is generated by plot.py at 2019-01-17 10:22:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.51 Mbit/s  
95th percentile per-packet one-way delay: 63.725 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.51 Mbit/s  
95th percentile per-packet one-way delay: 63.725 ms  
Loss rate: 0.00%

Run 3: Report of Sprout — Data Link

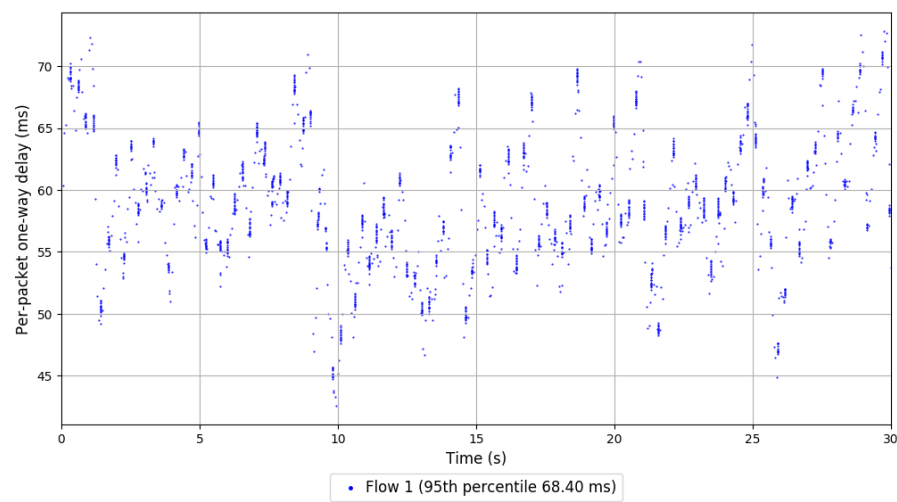
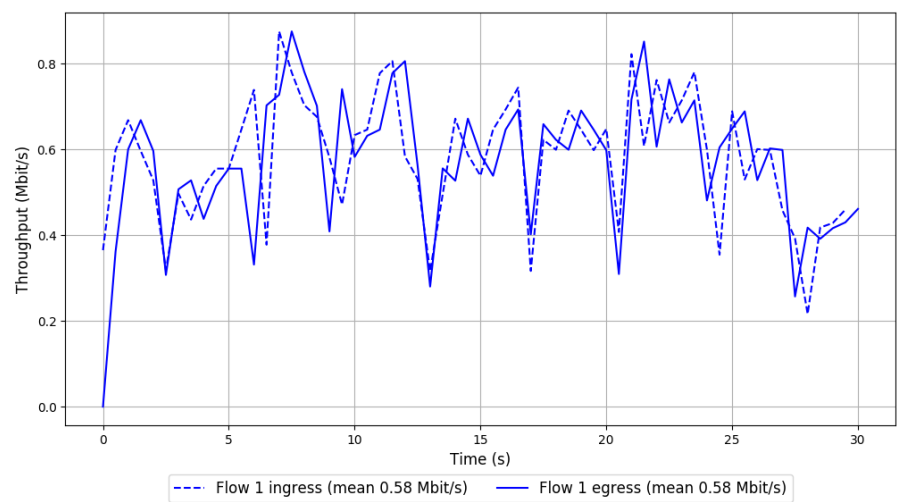


Run 4: Statistics of Sprout

Start at: 2019-01-17 09:10:01  
End at: 2019-01-17 09:10:31  
Local clock offset: 3.708 ms  
Remote clock offset: 44.173 ms

# Below is generated by plot.py at 2019-01-17 10:22:20  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.58 Mbit/s  
95th percentile per-packet one-way delay: 68.396 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.58 Mbit/s  
95th percentile per-packet one-way delay: 68.396 ms  
Loss rate: 0.00%

Run 4: Report of Sprout — Data Link



Run 5: Statistics of Sprout

Start at: 2019-01-17 10:05:40

End at: 2019-01-17 10:06:10

Local clock offset: 2.115 ms

Remote clock offset: 8.397 ms

# Below is generated by plot.py at 2019-01-17 10:22:20

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 70.896 ms

Loss rate: 0.17%

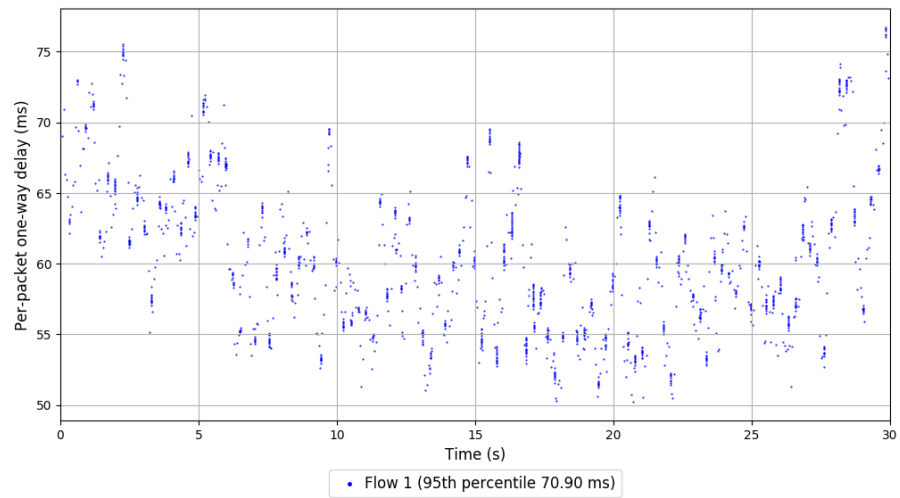
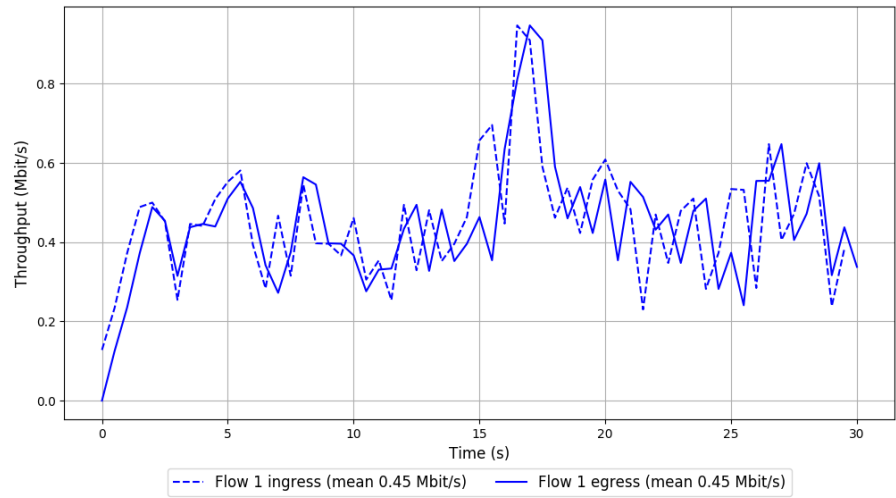
-- Flow 1:

Average throughput: 0.45 Mbit/s

95th percentile per-packet one-way delay: 70.896 ms

Loss rate: 0.17%

## Run 5: Report of Sprout — Data Link





Run 1: Statistics of TaoVA-100x

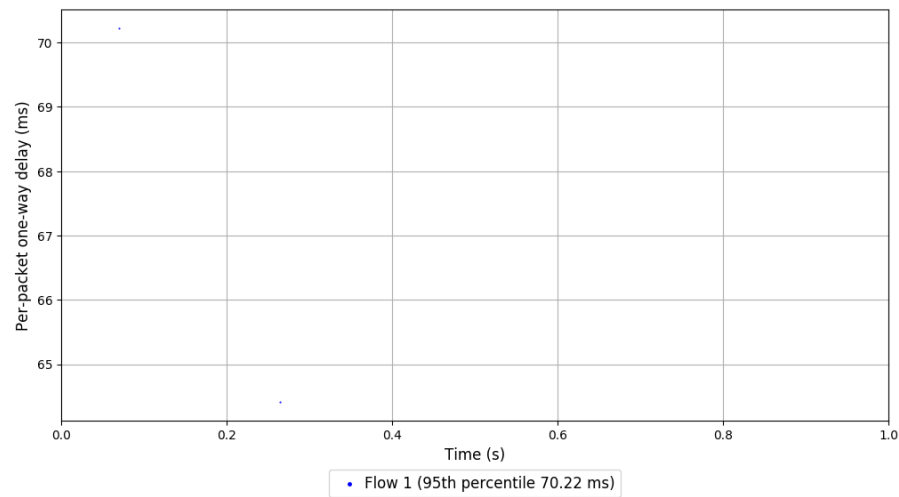
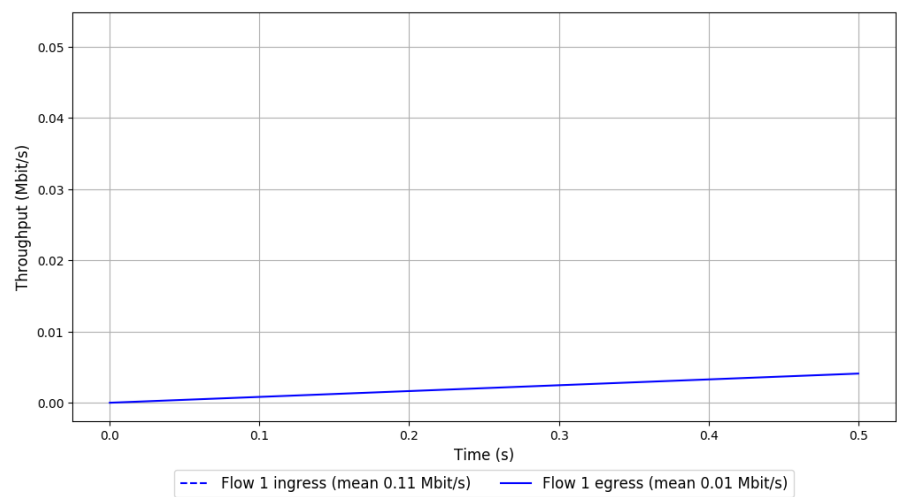
Start at: 2019-01-17 06:39:37

End at: 2019-01-17 06:40:07

Local clock offset: -1.796 ms

Remote clock offset: 55.185 ms

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



Run 2: Statistics of TaoVA-100x

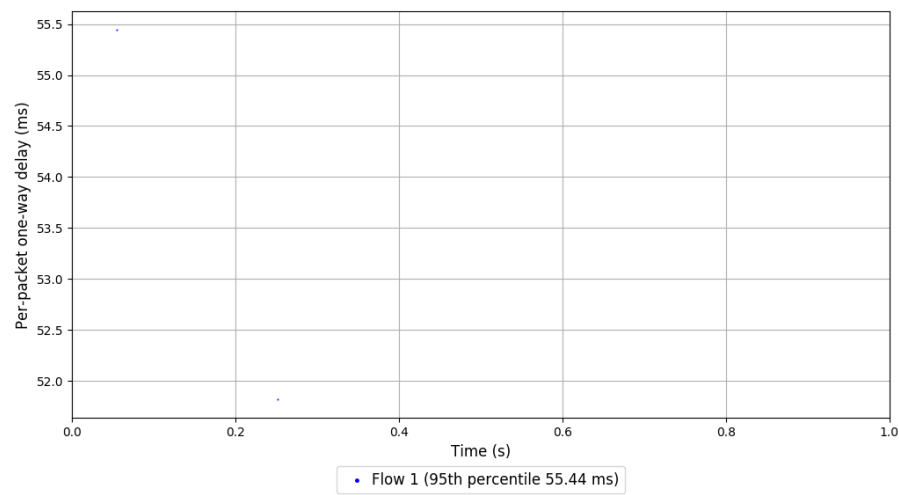
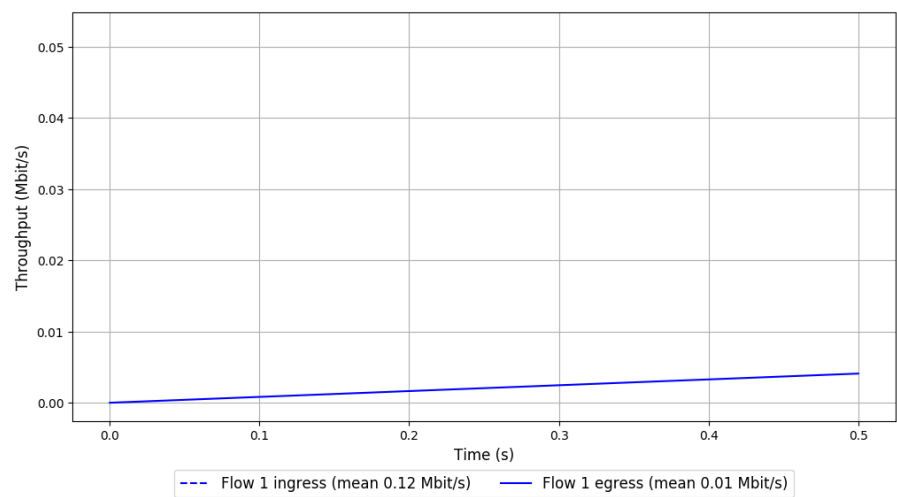
Start at: 2019-01-17 07:10:19

End at: 2019-01-17 07:10:49

Local clock offset: 0.926 ms

Remote clock offset: 52.209 ms

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



Run 3: Statistics of TaoVA-100x

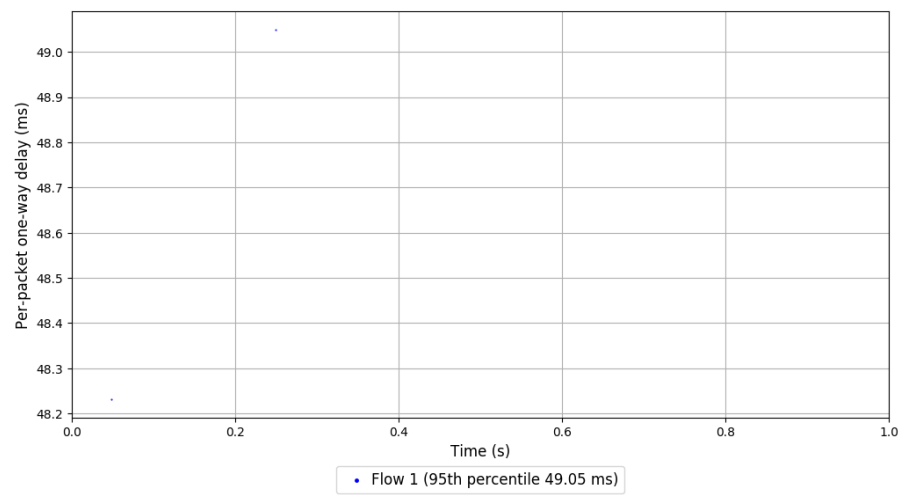
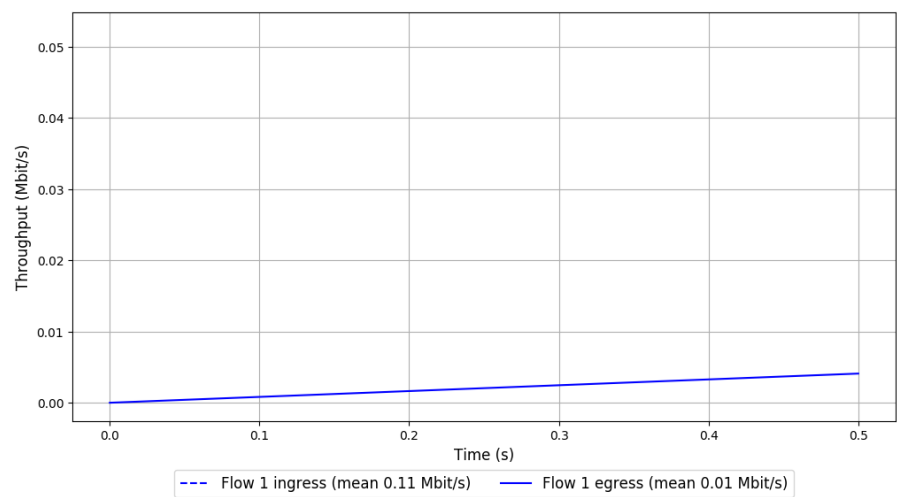
Start at: 2019-01-17 07:45:17

End at: 2019-01-17 07:45:47

Local clock offset: -1.413 ms

Remote clock offset: 49.976 ms

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



Run 4: Statistics of TaoVA-100x

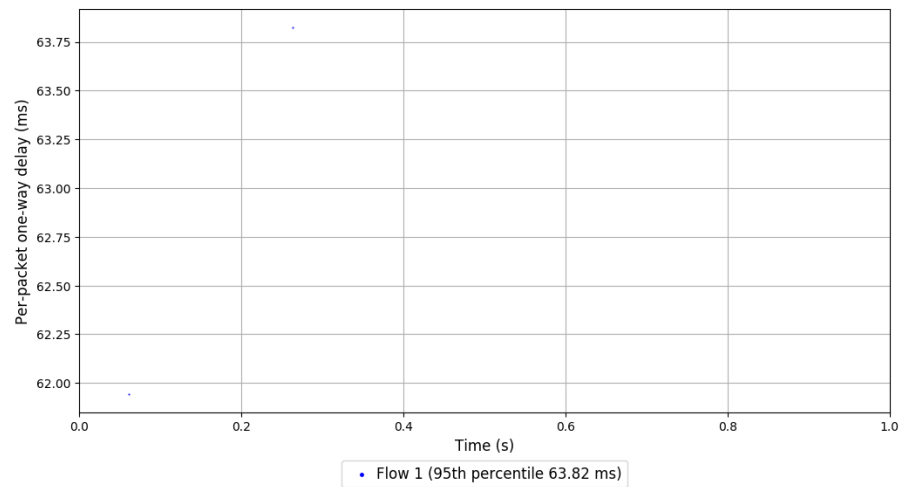
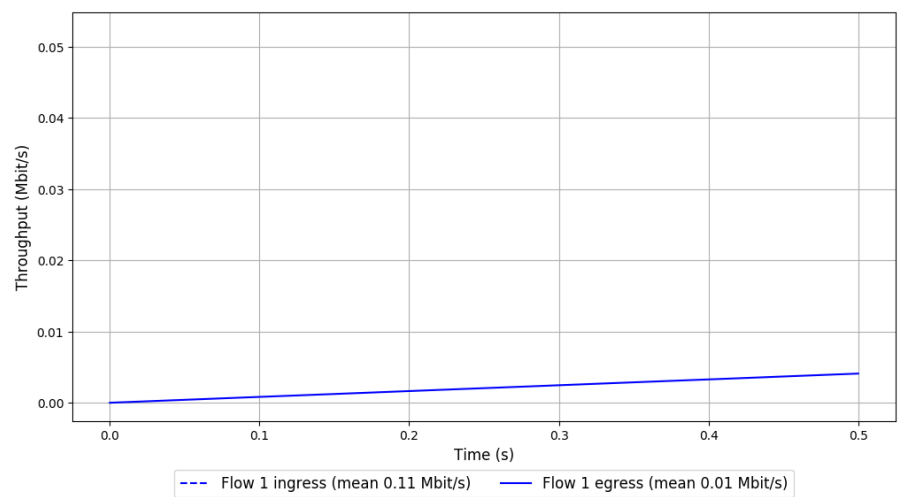
Start at: 2019-01-17 08:35:30

End at: 2019-01-17 08:36:00

Local clock offset: -2.269 ms

Remote clock offset: 43.595 ms

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





Run 5: Statistics of TaoVA-100x

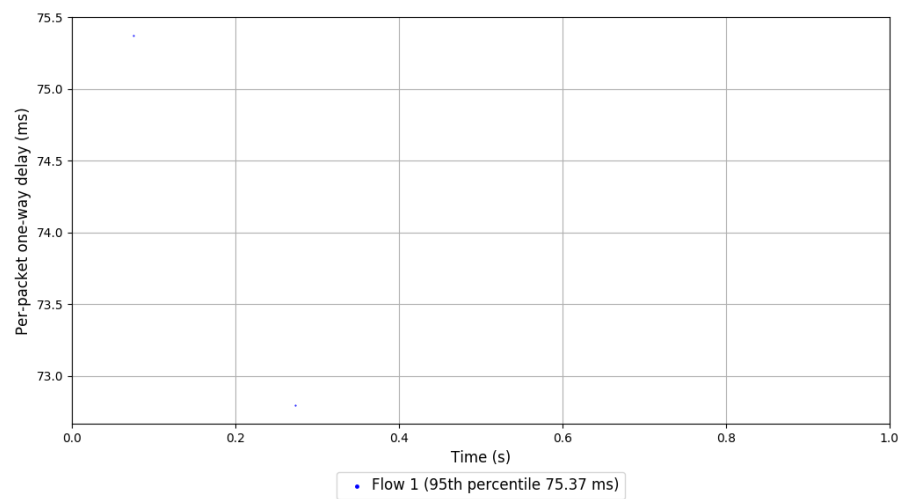
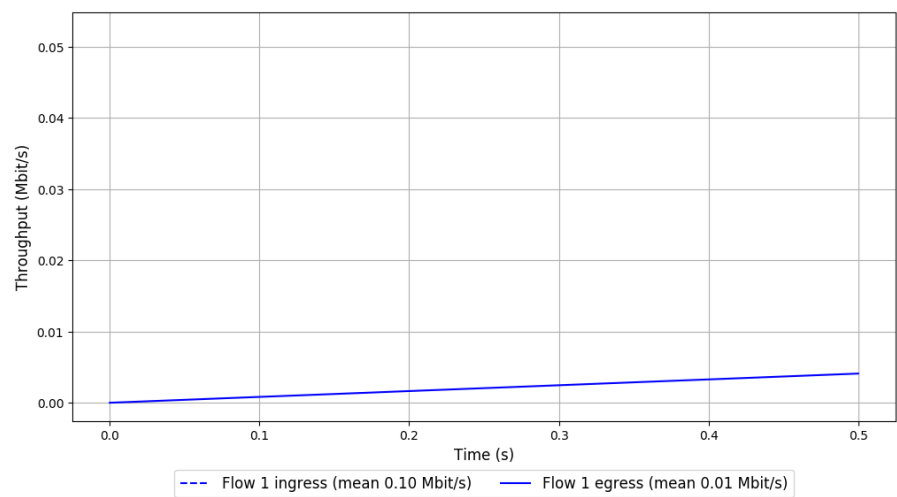
Start at: 2019-01-17 09:29:04

End at: 2019-01-17 09:29:34

Local clock offset: 2.024 ms

Remote clock offset: 42.825 ms

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

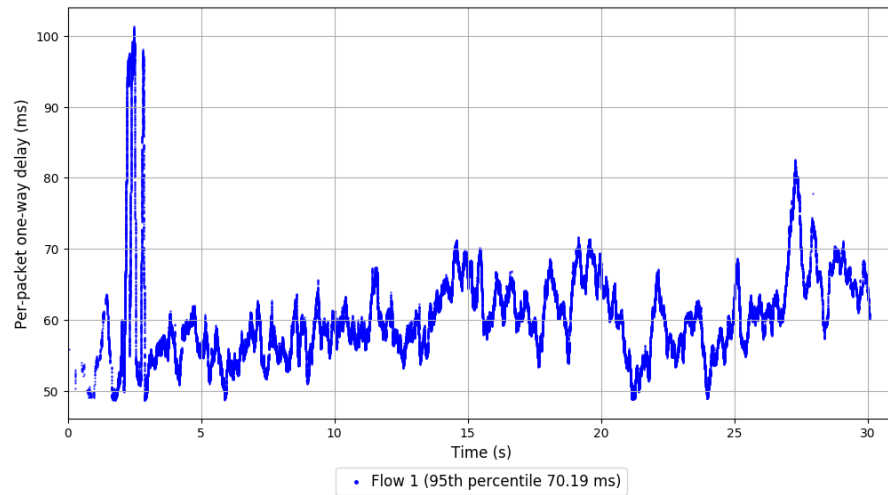
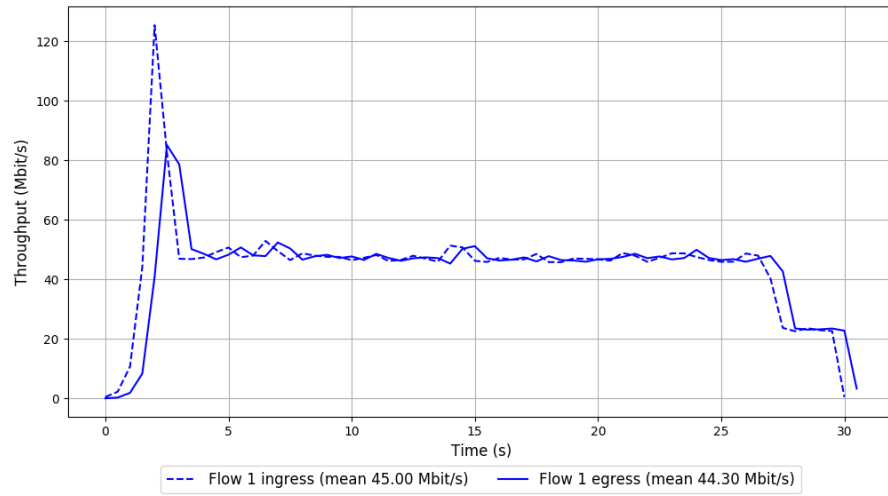


Run 1: Statistics of TCP Vegas

Start at: 2019-01-17 06:59:42  
End at: 2019-01-17 07:00:12  
Local clock offset: 0.198 ms  
Remote clock offset: 52.603 ms

# Below is generated by plot.py at 2019-01-17 10:22:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 44.30 Mbit/s  
95th percentile per-packet one-way delay: 70.194 ms  
Loss rate: 1.55%  
-- Flow 1:  
Average throughput: 44.30 Mbit/s  
95th percentile per-packet one-way delay: 70.194 ms  
Loss rate: 1.55%

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

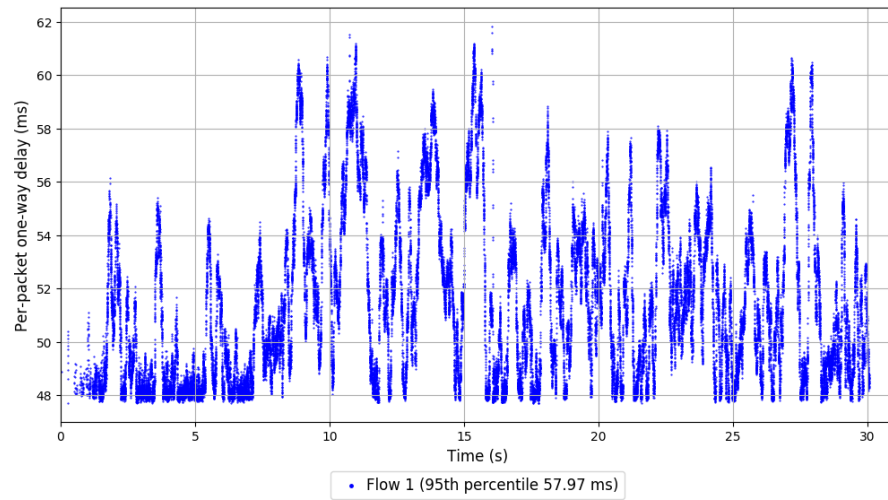
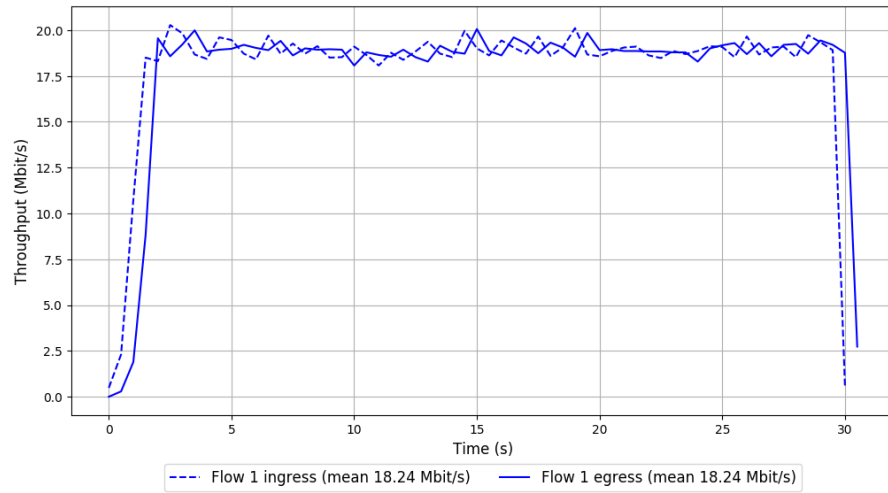


Run 2: Statistics of TCP Vegas

Start at: 2019-01-17 07:33:57  
End at: 2019-01-17 07:34:27  
Local clock offset: -0.806 ms  
Remote clock offset: 49.498 ms

# Below is generated by plot.py at 2019-01-17 10:22:34  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 18.24 Mbit/s  
95th percentile per-packet one-way delay: 57.966 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 18.24 Mbit/s  
95th percentile per-packet one-way delay: 57.966 ms  
Loss rate: 0.00%

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

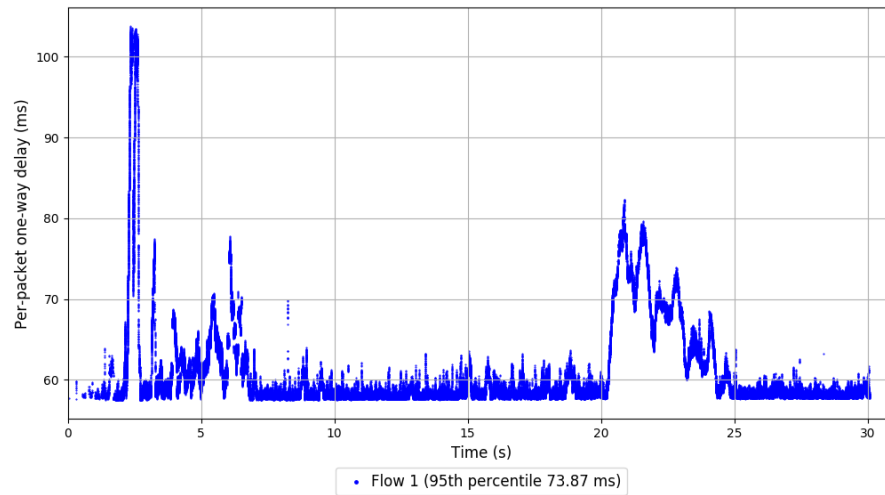
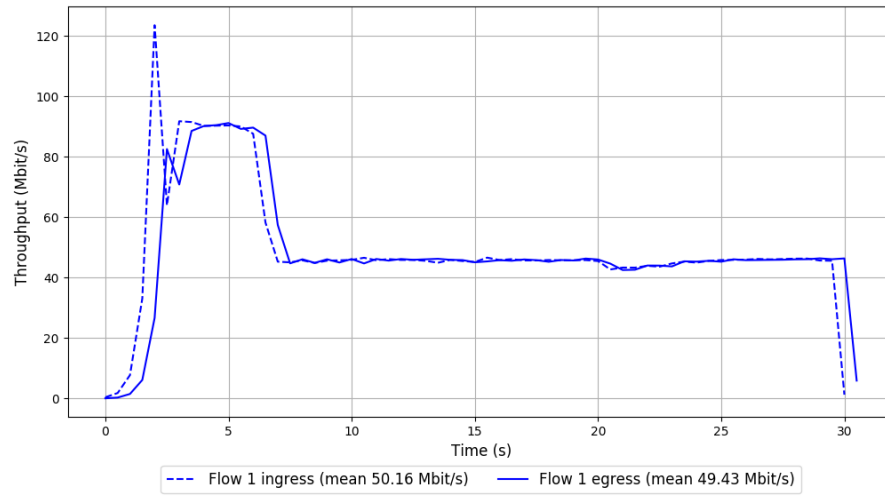


Run 3: Statistics of TCP Vegas

Start at: 2019-01-17 08:14:36  
End at: 2019-01-17 08:15:06  
Local clock offset: 2.539 ms  
Remote clock offset: 21.881 ms

# Below is generated by plot.py at 2019-01-17 10:22:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 49.43 Mbit/s  
95th percentile per-packet one-way delay: 73.870 ms  
Loss rate: 1.46%  
-- Flow 1:  
Average throughput: 49.43 Mbit/s  
95th percentile per-packet one-way delay: 73.870 ms  
Loss rate: 1.46%

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



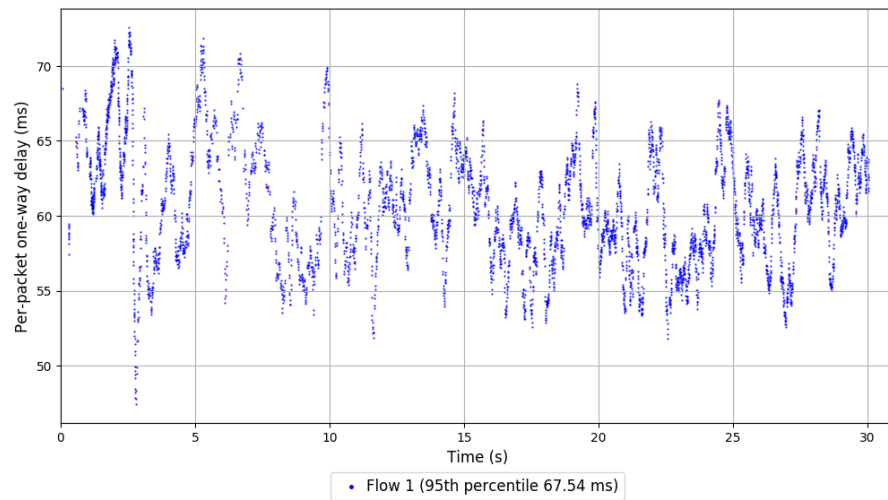
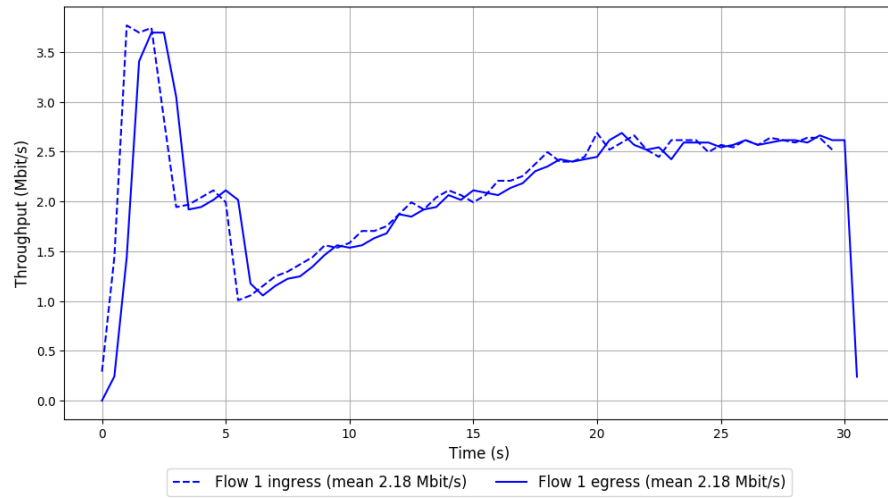


Run 4: Statistics of TCP Vegas

Start at: 2019-01-17 09:13:16  
End at: 2019-01-17 09:13:46  
Local clock offset: 3.969 ms  
Remote clock offset: 43.358 ms

# Below is generated by plot.py at 2019-01-17 10:22:42  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 2.18 Mbit/s  
95th percentile per-packet one-way delay: 67.544 ms  
Loss rate: 0.04%  
-- Flow 1:  
Average throughput: 2.18 Mbit/s  
95th percentile per-packet one-way delay: 67.544 ms  
Loss rate: 0.04%

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



Run 5: Statistics of TCP Vegas

Start at: 2019-01-17 10:06:55

End at: 2019-01-17 10:07:25

Local clock offset: 2.113 ms

Remote clock offset: 9.96 ms

# Below is generated by plot.py at 2019-01-17 10:22:42

# Datalink statistics

-- Total of 1 flow:

Average throughput: 32.44 Mbit/s

95th percentile per-packet one-way delay: 70.416 ms

Loss rate: 2.02%

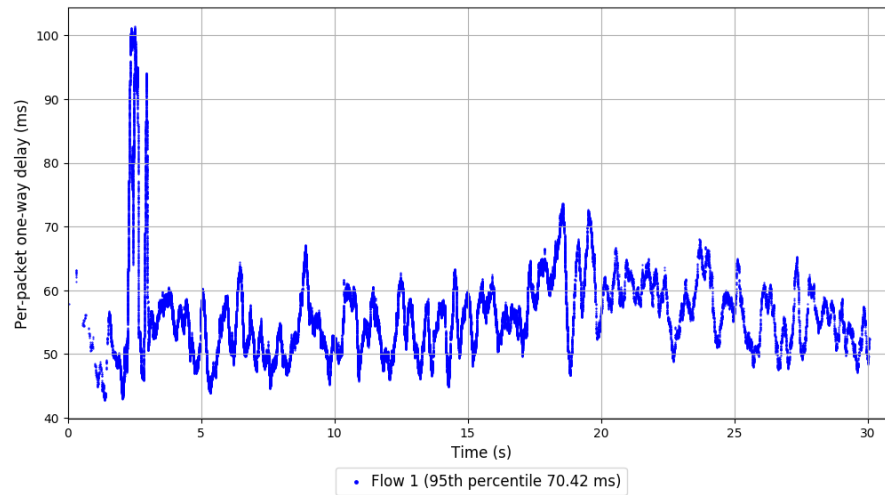
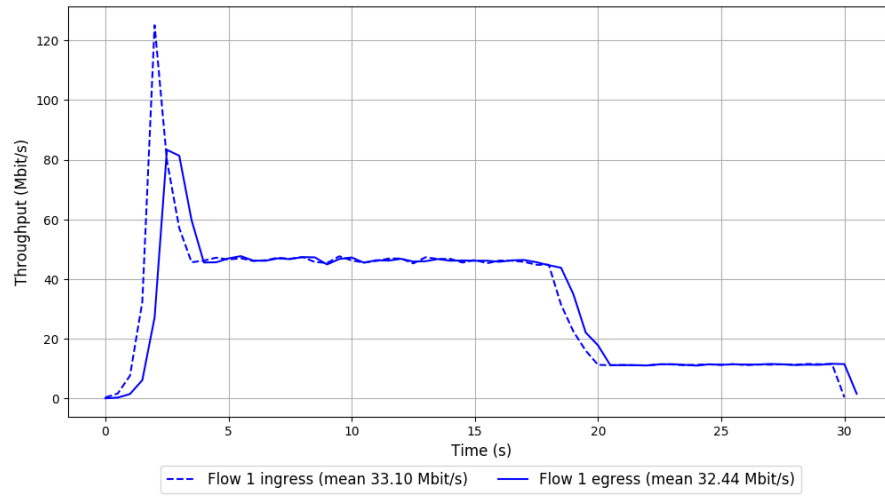
-- Flow 1:

Average throughput: 32.44 Mbit/s

95th percentile per-packet one-way delay: 70.416 ms

Loss rate: 2.02%

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

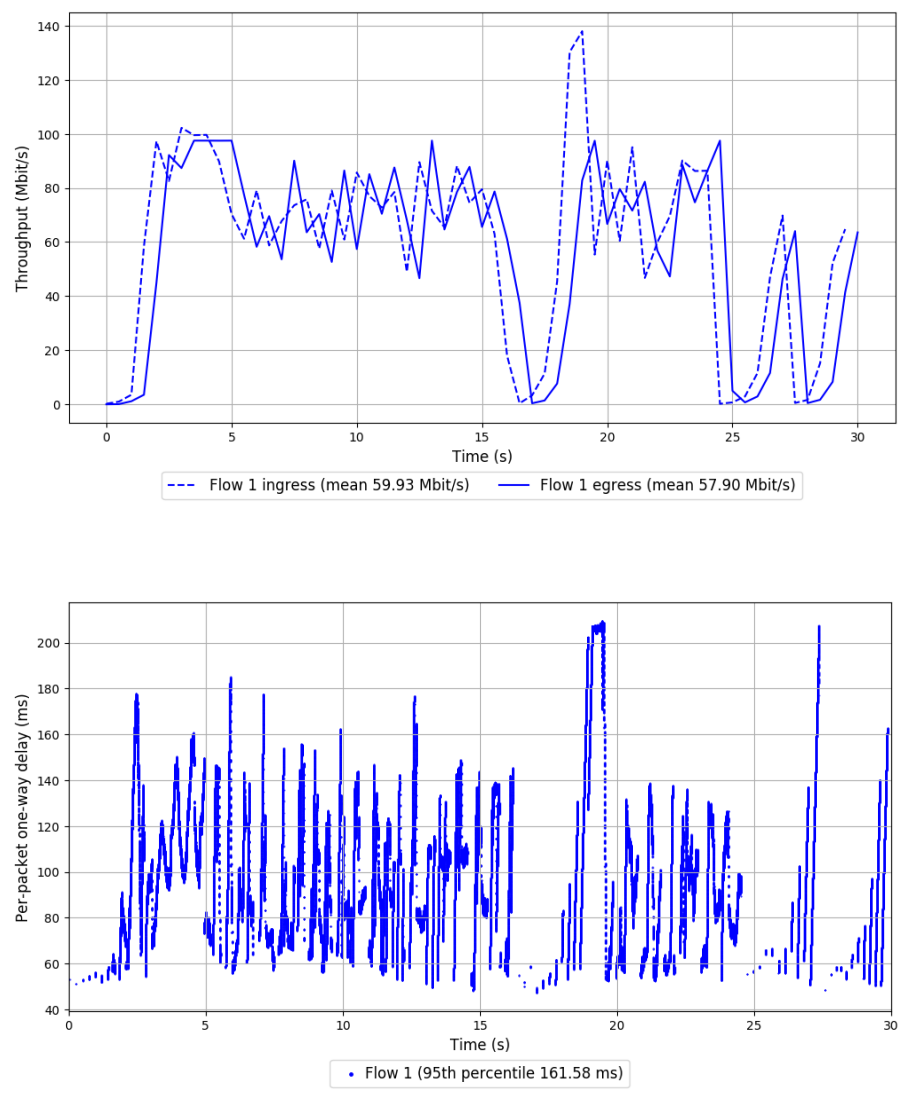


Run 1: Statistics of Verus

Start at: 2019-01-17 06:42:07  
End at: 2019-01-17 06:42:37  
Local clock offset: -2.625 ms  
Remote clock offset: 52.494 ms

# Below is generated by plot.py at 2019-01-17 10:22:51  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 57.90 Mbit/s  
95th percentile per-packet one-way delay: 161.578 ms  
Loss rate: 3.20%  
-- Flow 1:  
Average throughput: 57.90 Mbit/s  
95th percentile per-packet one-way delay: 161.578 ms  
Loss rate: 3.20%

Run 1: Report of Verus — Data Link



Run 2: Statistics of Verus

Start at: 2019-01-17 07:12:50

End at: 2019-01-17 07:13:20

Local clock offset: 0.705 ms

Remote clock offset: 49.15 ms

# Below is generated by plot.py at 2019-01-17 10:22:51

# Datalink statistics

-- Total of 1 flow:

Average throughput: 48.60 Mbit/s

95th percentile per-packet one-way delay: 171.941 ms

Loss rate: 3.56%

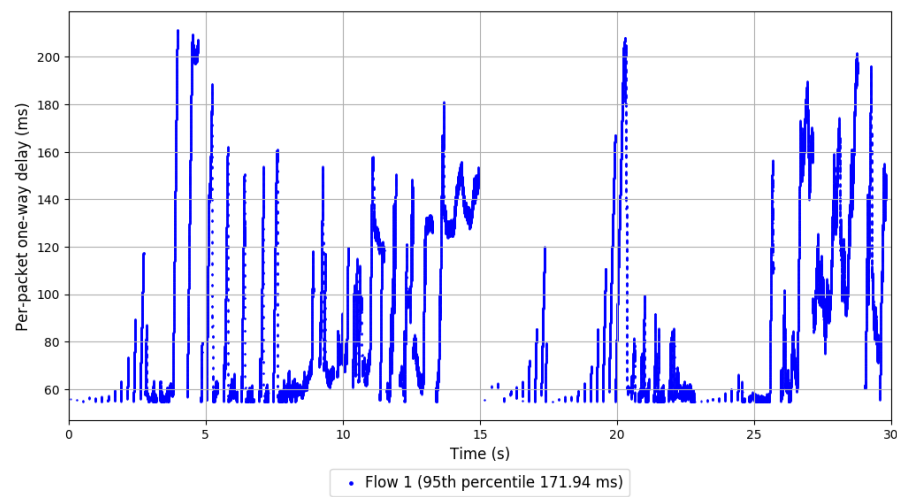
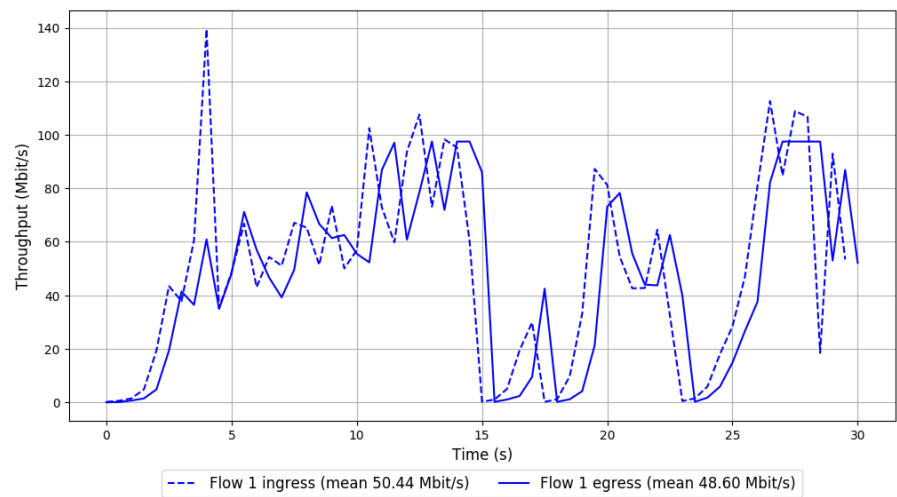
-- Flow 1:

Average throughput: 48.60 Mbit/s

95th percentile per-packet one-way delay: 171.941 ms

Loss rate: 3.56%

Run 2: Report of Verus — Data Link



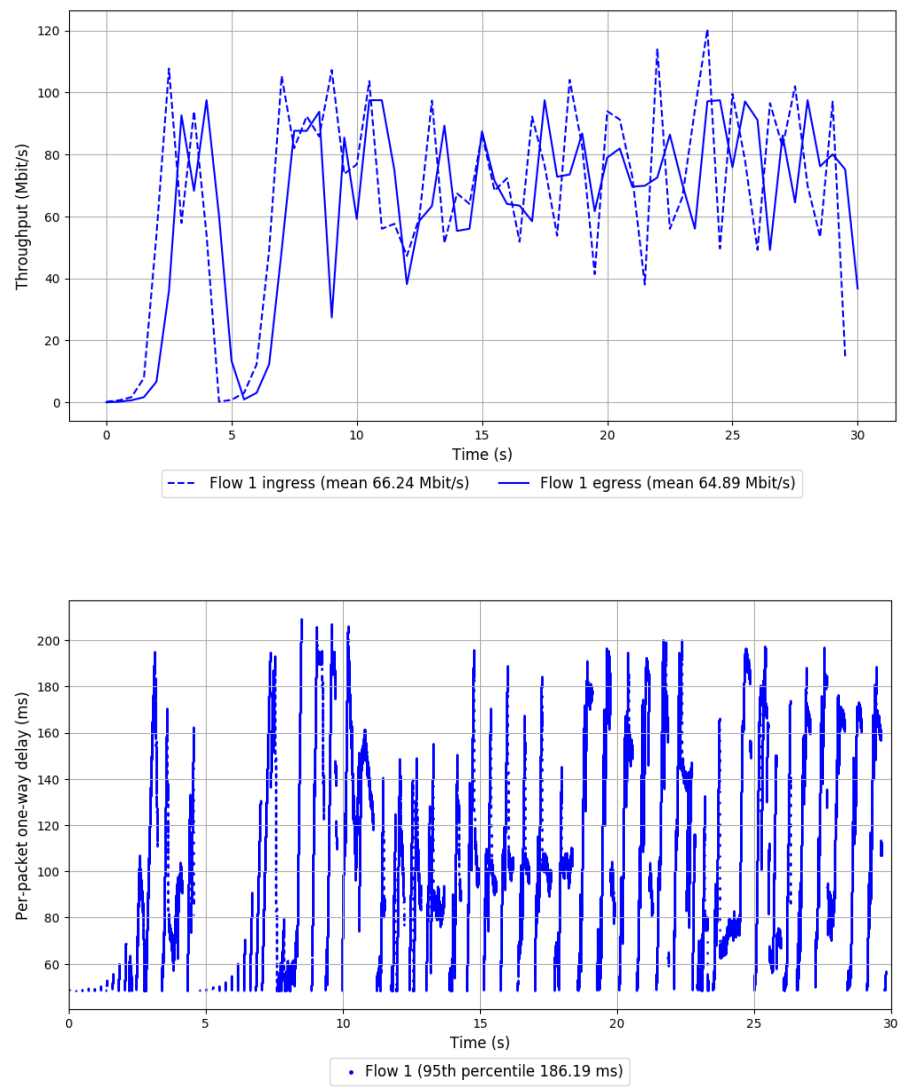


Run 3: Statistics of Verus

Start at: 2019-01-17 07:47:51  
End at: 2019-01-17 07:48:21  
Local clock offset: -1.494 ms  
Remote clock offset: 49.95 ms

# Below is generated by plot.py at 2019-01-17 10:22:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 64.89 Mbit/s  
95th percentile per-packet one-way delay: 186.192 ms  
Loss rate: 2.02%  
-- Flow 1:  
Average throughput: 64.89 Mbit/s  
95th percentile per-packet one-way delay: 186.192 ms  
Loss rate: 2.02%

Run 3: Report of Verus — Data Link

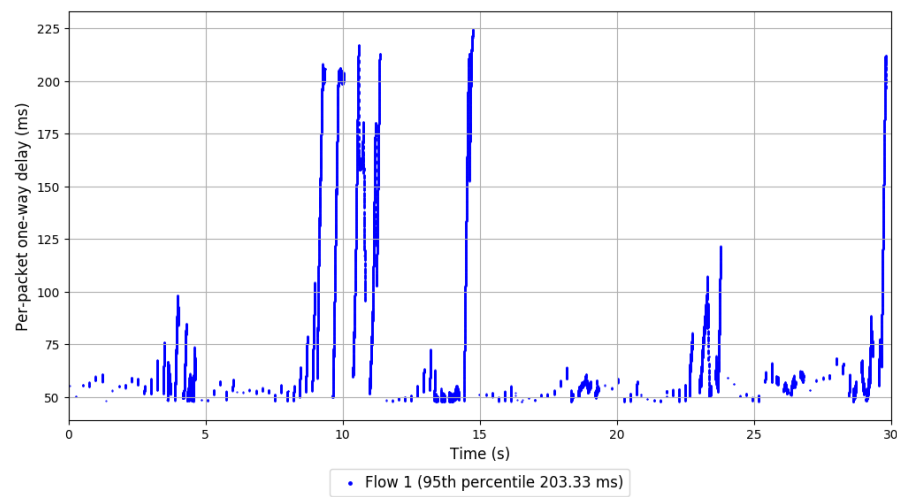
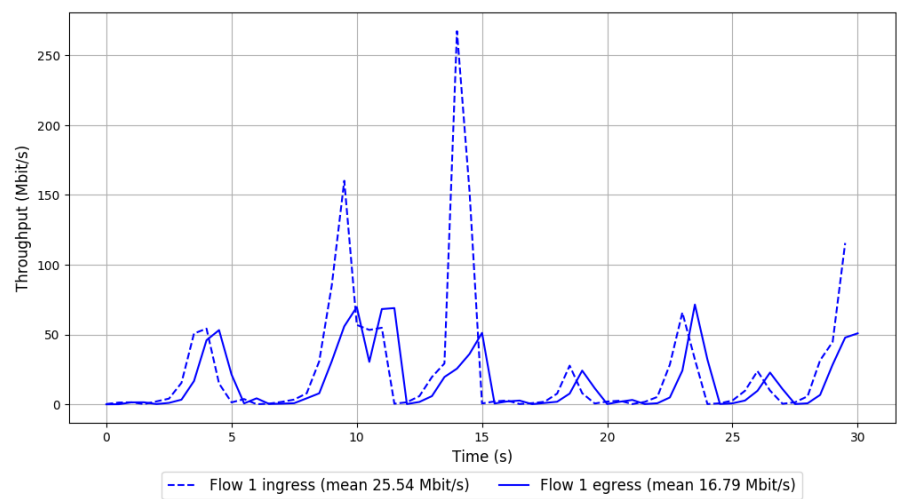


Run 4: Statistics of Verus

Start at: 2019-01-17 08:38:08  
End at: 2019-01-17 08:38:38  
Local clock offset: -2.572 ms  
Remote clock offset: 52.206 ms

# Below is generated by plot.py at 2019-01-17 10:22:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 16.79 Mbit/s  
95th percentile per-packet one-way delay: 203.333 ms  
Loss rate: 34.16%  
-- Flow 1:  
Average throughput: 16.79 Mbit/s  
95th percentile per-packet one-way delay: 203.333 ms  
Loss rate: 34.16%

Run 4: Report of Verus — Data Link

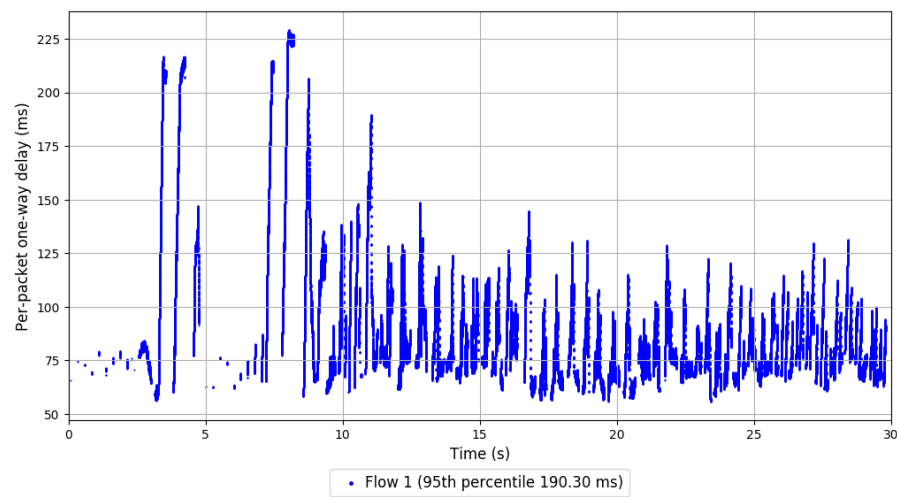
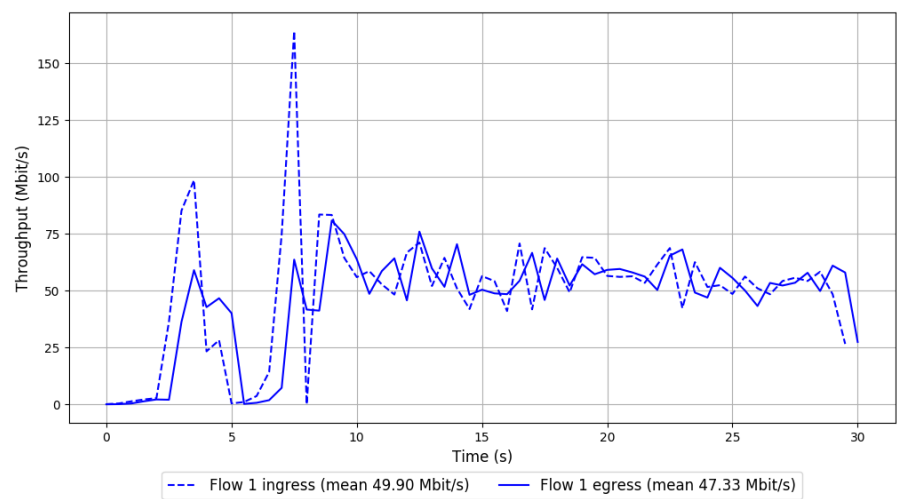


Run 5: Statistics of Verus

Start at: 2019-01-17 09:31:49  
End at: 2019-01-17 09:32:19  
Local clock offset: 2.012 ms  
Remote clock offset: 42.325 ms

# Below is generated by plot.py at 2019-01-17 10:22:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 47.33 Mbit/s  
95th percentile per-packet one-way delay: 190.297 ms  
Loss rate: 5.06%  
-- Flow 1:  
Average throughput: 47.33 Mbit/s  
95th percentile per-packet one-way delay: 190.297 ms  
Loss rate: 5.06%

Run 5: Report of Verus — Data Link

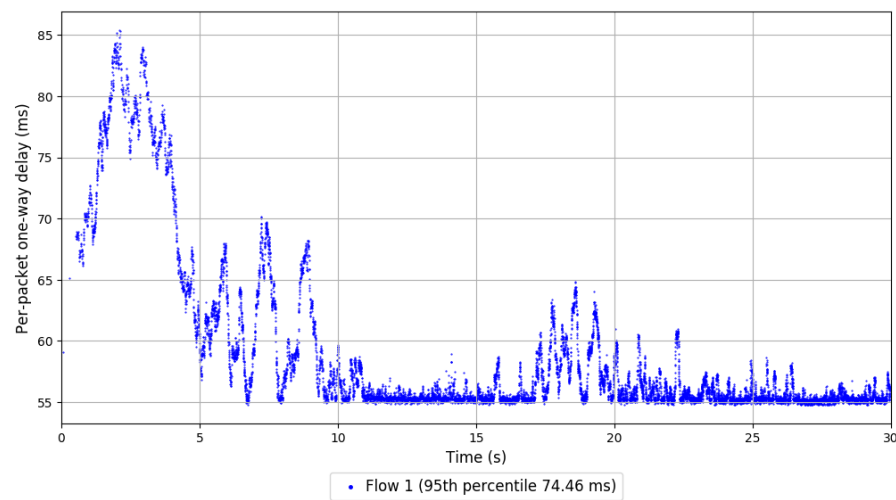
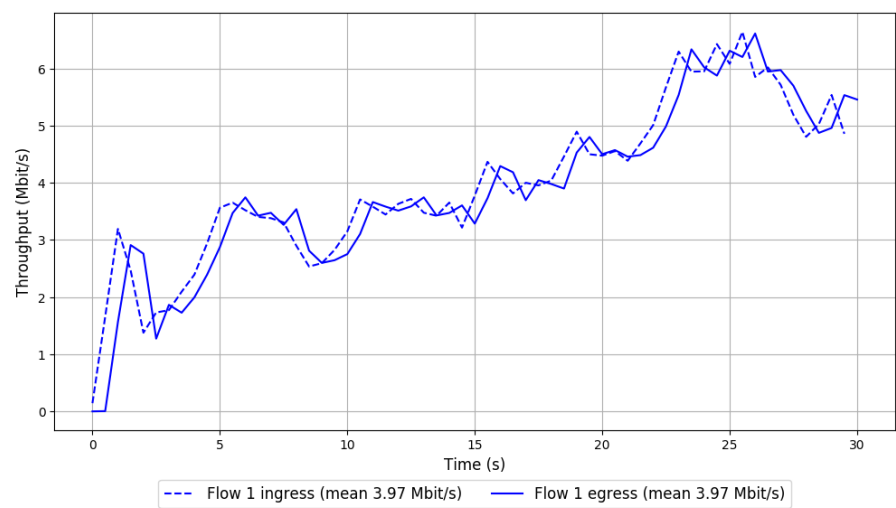


Run 1: Statistics of PCC-Vivace

Start at: 2019-01-17 06:46:38  
End at: 2019-01-17 06:47:08  
Local clock offset: -3.511 ms  
Remote clock offset: 50.722 ms

# Below is generated by plot.py at 2019-01-17 10:22:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 3.97 Mbit/s  
95th percentile per-packet one-way delay: 74.458 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 3.97 Mbit/s  
95th percentile per-packet one-way delay: 74.458 ms  
Loss rate: 0.00%

Run 1: Report of PCC-Vivace — Data Link





Run 2: Statistics of PCC-Vivace

Start at: 2019-01-17 07:19:56

End at: 2019-01-17 07:20:26

Local clock offset: 0.285 ms

Remote clock offset: 51.017 ms

# Below is generated by plot.py at 2019-01-17 10:22:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 5.53 Mbit/s

95th percentile per-packet one-way delay: 61.752 ms

Loss rate: 0.00%

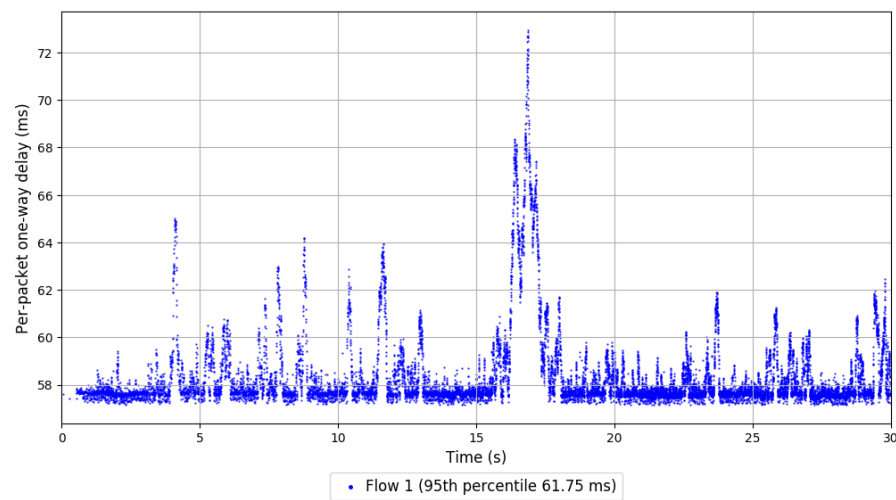
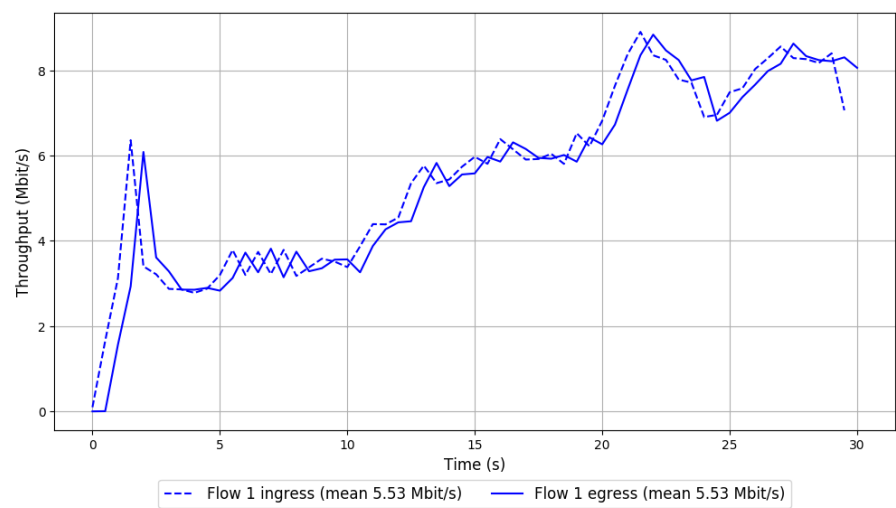
-- Flow 1:

Average throughput: 5.53 Mbit/s

95th percentile per-packet one-way delay: 61.752 ms

Loss rate: 0.00%

Run 2: Report of PCC-Vivace — Data Link

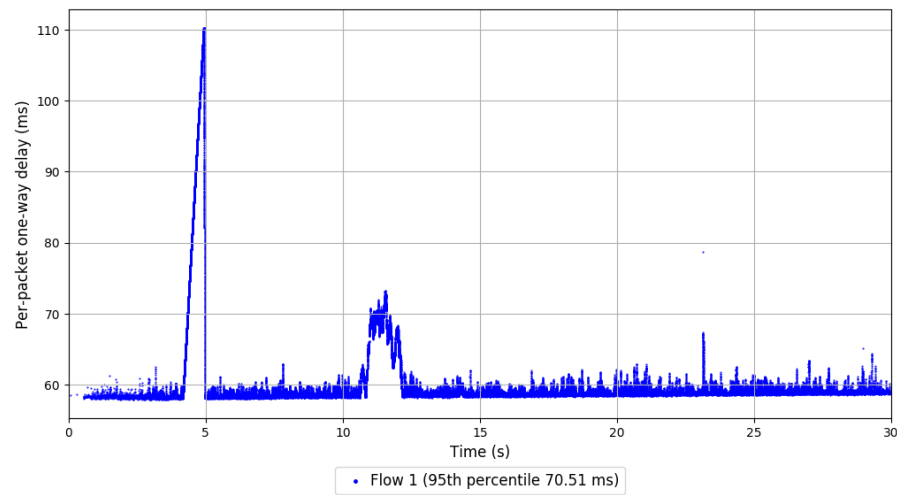
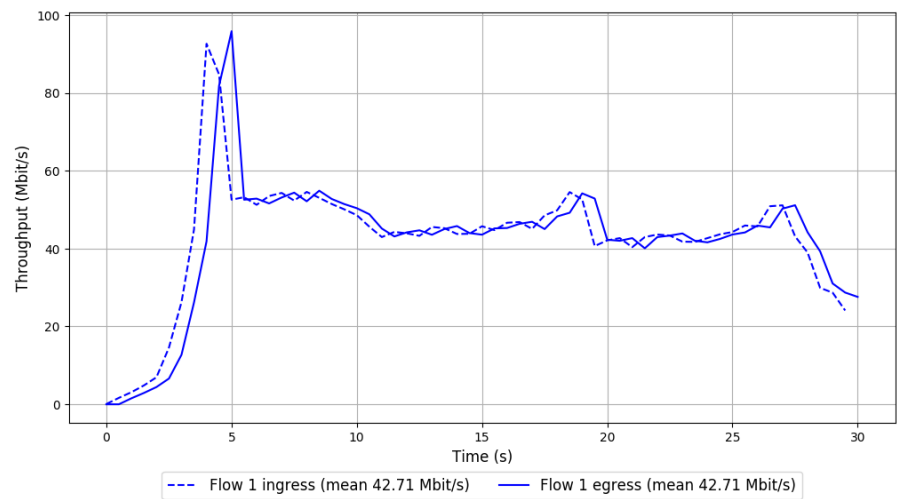


Run 3: Statistics of PCC-Vivace

Start at: 2019-01-17 07:54:49  
End at: 2019-01-17 07:55:19  
Local clock offset: 0.841 ms  
Remote clock offset: 37.353 ms

# Below is generated by plot.py at 2019-01-17 10:22:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 42.71 Mbit/s  
95th percentile per-packet one-way delay: 70.510 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 42.71 Mbit/s  
95th percentile per-packet one-way delay: 70.510 ms  
Loss rate: 0.00%

Run 3: Report of PCC-Vivace — Data Link

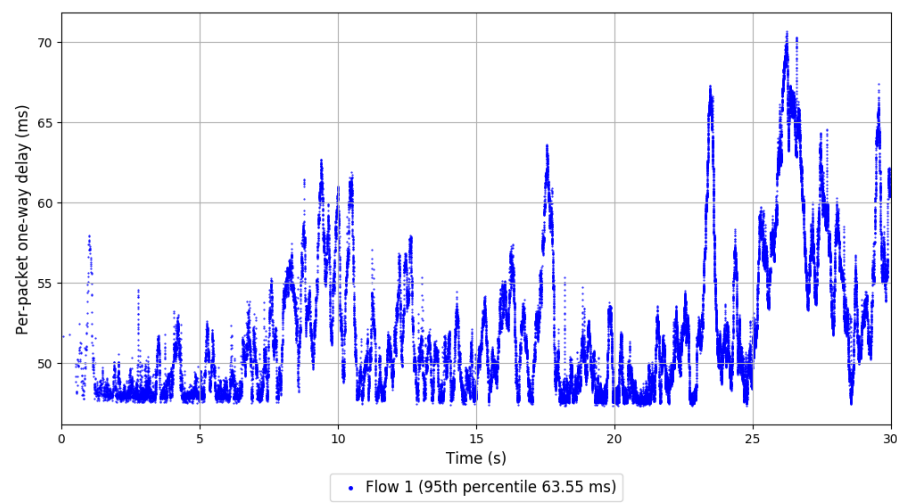
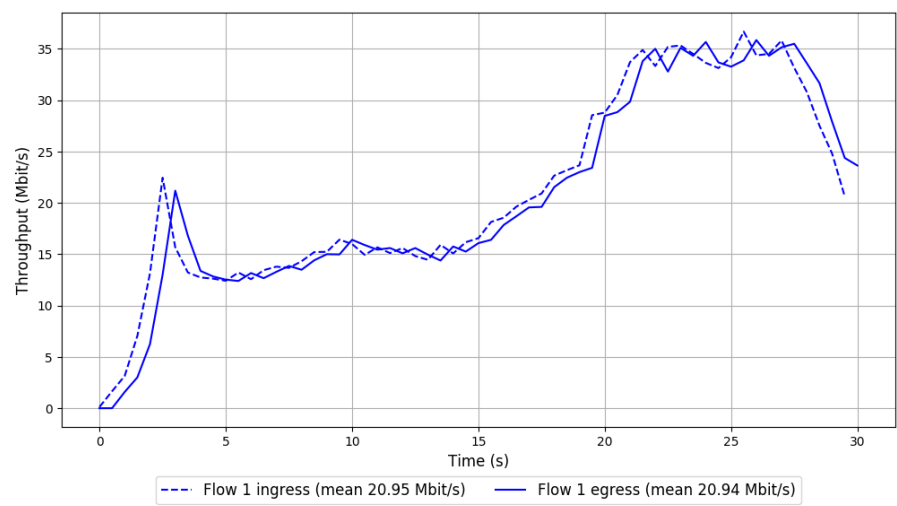


Run 4: Statistics of PCC-Vivace

Start at: 2019-01-17 08:45:14  
End at: 2019-01-17 08:45:44  
Local clock offset: -2.983 ms  
Remote clock offset: 58.055 ms

# Below is generated by plot.py at 2019-01-17 10:22:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 20.94 Mbit/s  
95th percentile per-packet one-way delay: 63.550 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 20.94 Mbit/s  
95th percentile per-packet one-way delay: 63.550 ms  
Loss rate: 0.00%

Run 4: Report of PCC-Vivace — Data Link

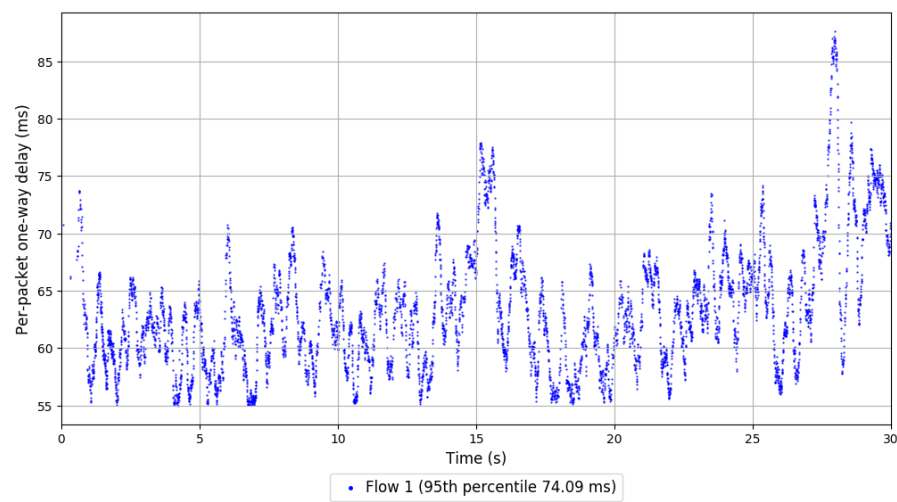
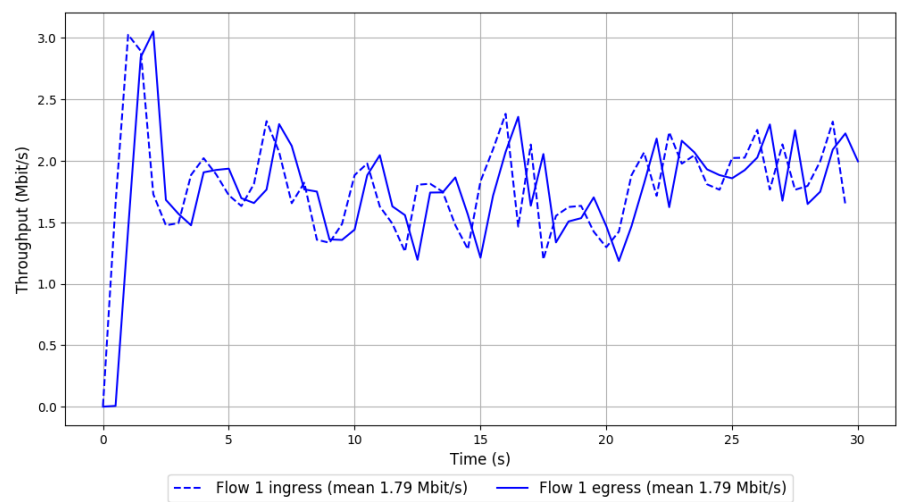


Run 5: Statistics of PCC-Vivace

Start at: 2019-01-17 09:45:31  
End at: 2019-01-17 09:46:01  
Local clock offset: 1.665 ms  
Remote clock offset: 20.862 ms

# Below is generated by plot.py at 2019-01-17 10:22:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 1.79 Mbit/s  
95th percentile per-packet one-way delay: 74.093 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 1.79 Mbit/s  
95th percentile per-packet one-way delay: 74.093 ms  
Loss rate: 0.00%

Run 5: Report of PCC-Vivace — Data Link



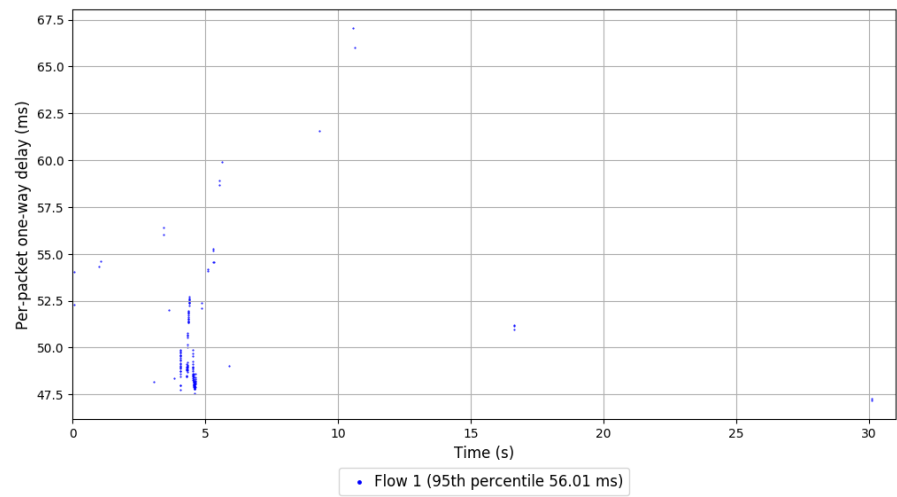
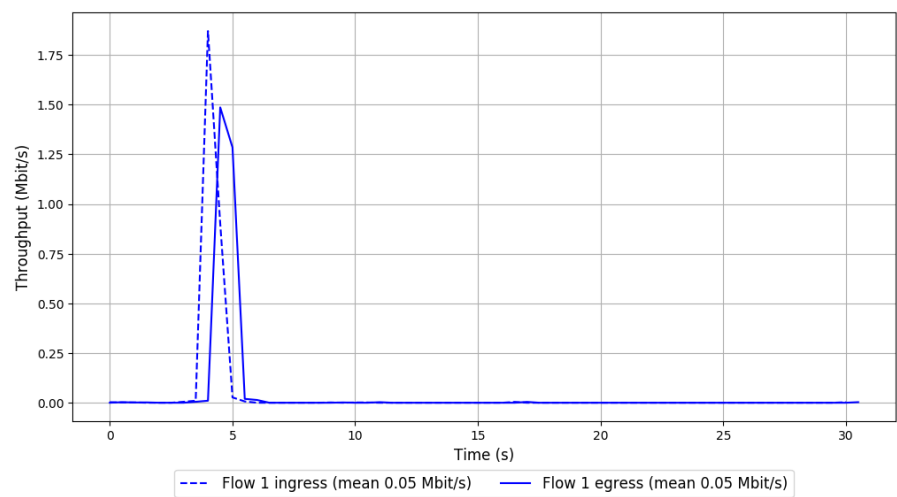


Run 1: Statistics of WebRTC media

Start at: 2019-01-17 06:38:21  
End at: 2019-01-17 06:38:51  
Local clock offset: -1.554 ms  
Remote clock offset: 54.576 ms

# Below is generated by plot.py at 2019-01-17 10:22:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 56.005 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 56.005 ms  
Loss rate: 0.00%

Run 1: Report of WebRTC media — Data Link

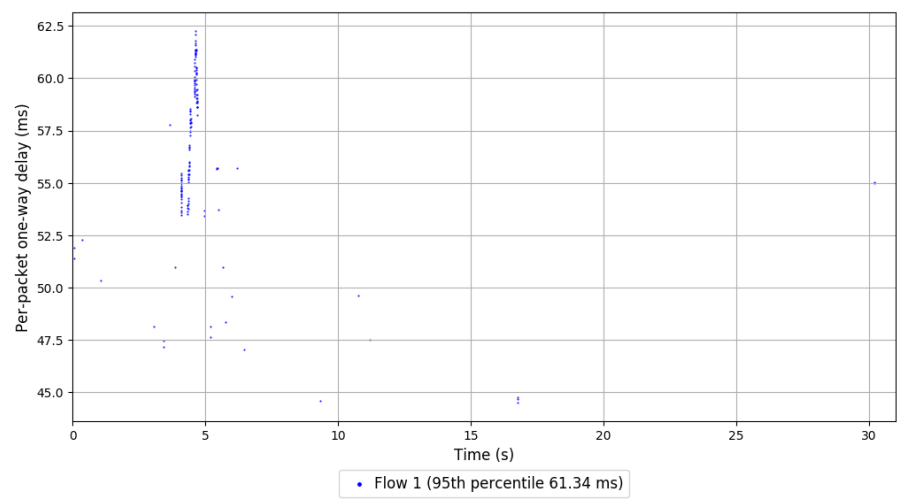
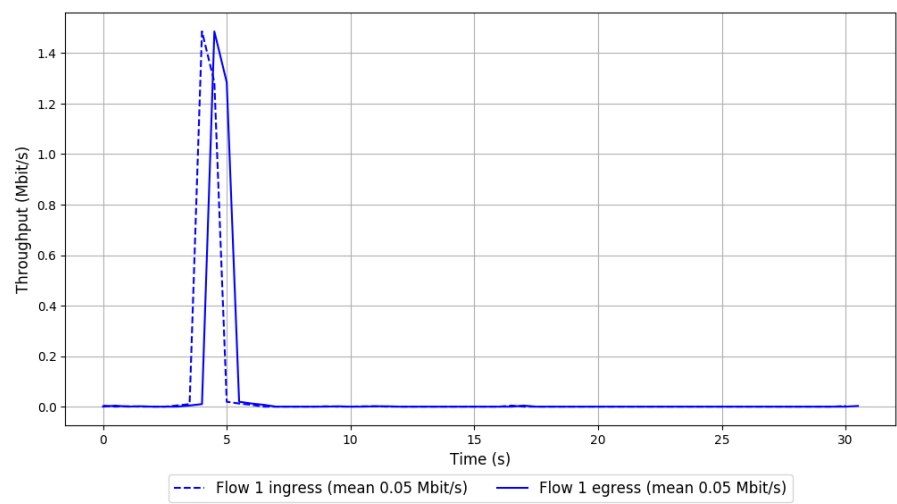


Run 2: Statistics of WebRTC media

Start at: 2019-01-17 07:09:09  
End at: 2019-01-17 07:09:39  
Local clock offset: 0.782 ms  
Remote clock offset: 47.322 ms

# Below is generated by plot.py at 2019-01-17 10:22:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 61.343 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 61.343 ms  
Loss rate: 0.00%

Run 2: Report of WebRTC media — Data Link



Run 3: Statistics of WebRTC media

Start at: 2019-01-17 07:44:06

End at: 2019-01-17 07:44:36

Local clock offset: -1.376 ms

Remote clock offset: 50.54 ms

# Below is generated by plot.py at 2019-01-17 10:22:55

# Datalink statistics

-- Total of 1 flow:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 59.369 ms

Loss rate: 0.00%

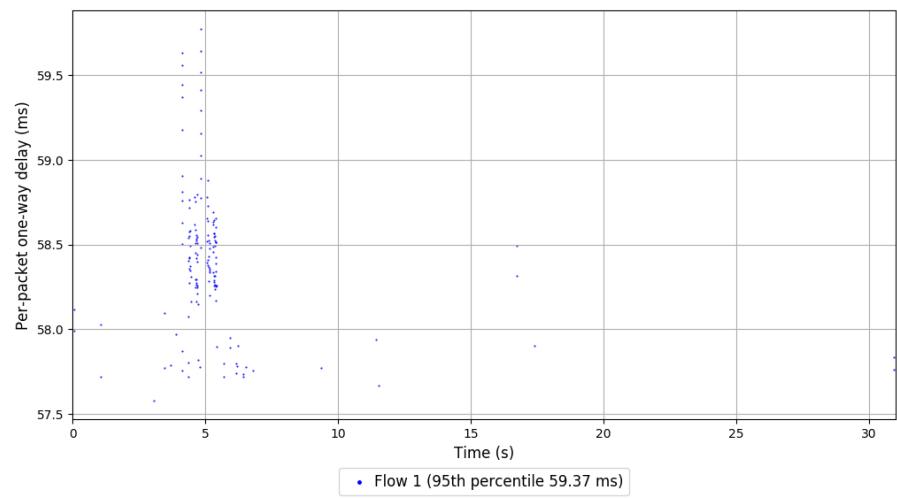
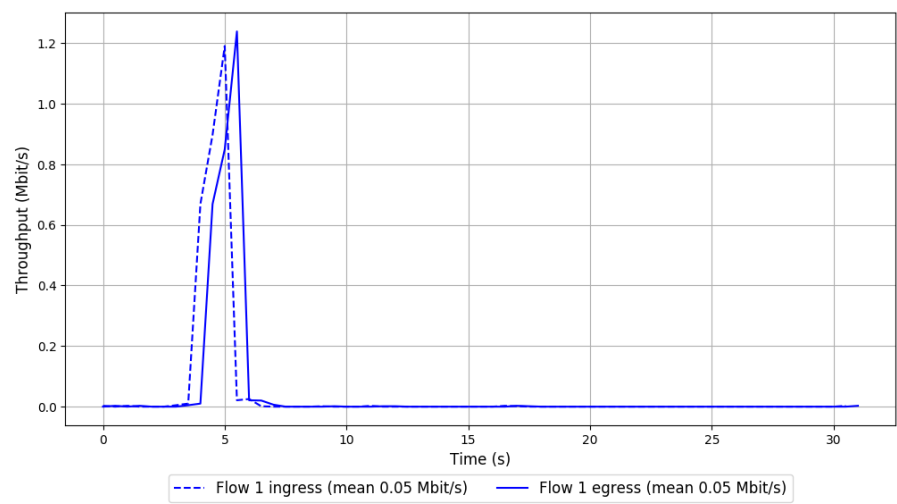
-- Flow 1:

Average throughput: 0.05 Mbit/s

95th percentile per-packet one-way delay: 59.369 ms

Loss rate: 0.00%

Run 3: Report of WebRTC media — Data Link

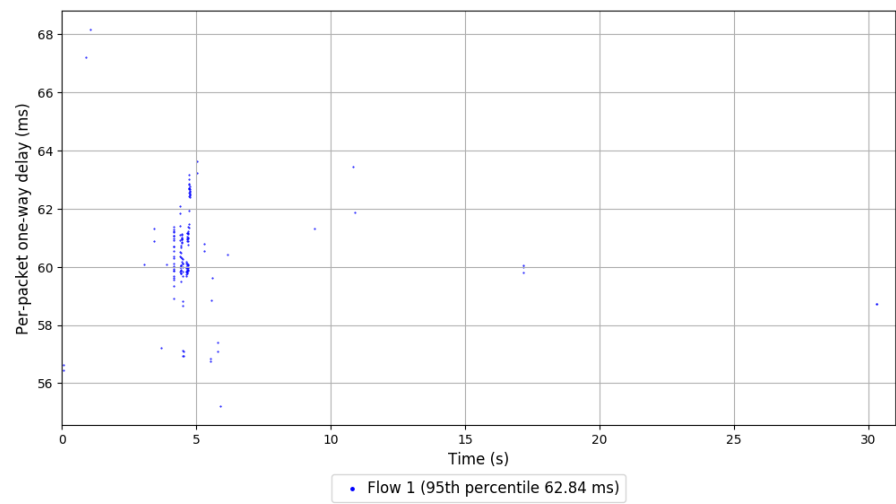
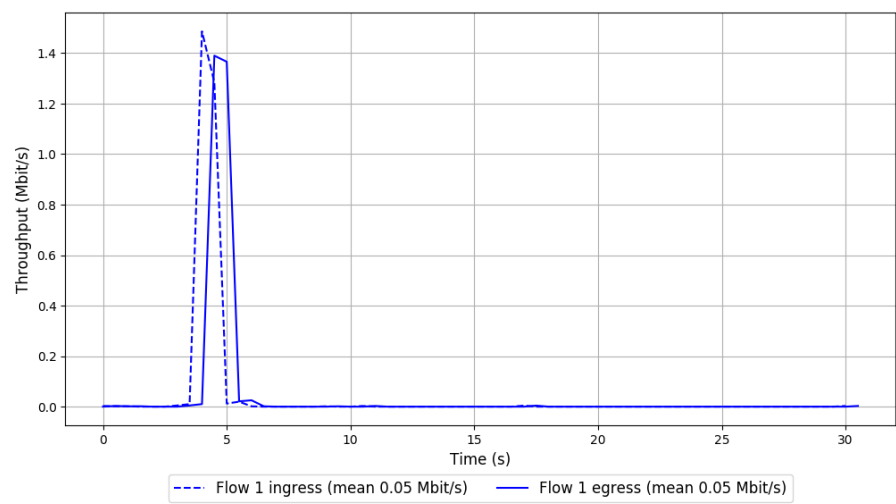


Run 4: Statistics of WebRTC media

Start at: 2019-01-17 08:34:19  
End at: 2019-01-17 08:34:49  
Local clock offset: -2.196 ms  
Remote clock offset: 45.141 ms

# Below is generated by plot.py at 2019-01-17 10:22:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 62.845 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 62.845 ms  
Loss rate: 0.00%

Run 4: Report of WebRTC media — Data Link





Run 5: Statistics of WebRTC media

Start at: 2019-01-17 09:27:53  
End at: 2019-01-17 09:28:23  
Local clock offset: 2.188 ms  
Remote clock offset: 42.706 ms

# Below is generated by plot.py at 2019-01-17 10:22:55  
# Datalink statistics  
-- Total of 1 flow:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 66.896 ms  
Loss rate: 0.00%  
-- Flow 1:  
Average throughput: 0.05 Mbit/s  
95th percentile per-packet one-way delay: 66.896 ms  
Loss rate: 0.00%

Run 5: Report of WebRTC media — Data Link

