

## Pantheon Report

Generated at 2019-01-24 16:36:57 (UTC).  
Data path: AWS India 1 on `ens5` (*local*) → India 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 `nets.org.sg` and have been applied to correct the timestamps in logs.

System info:

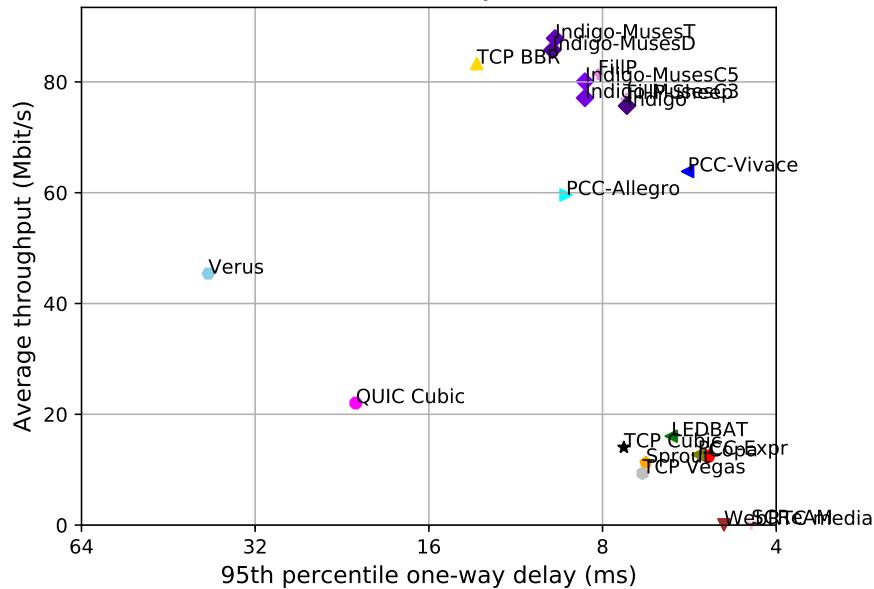
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

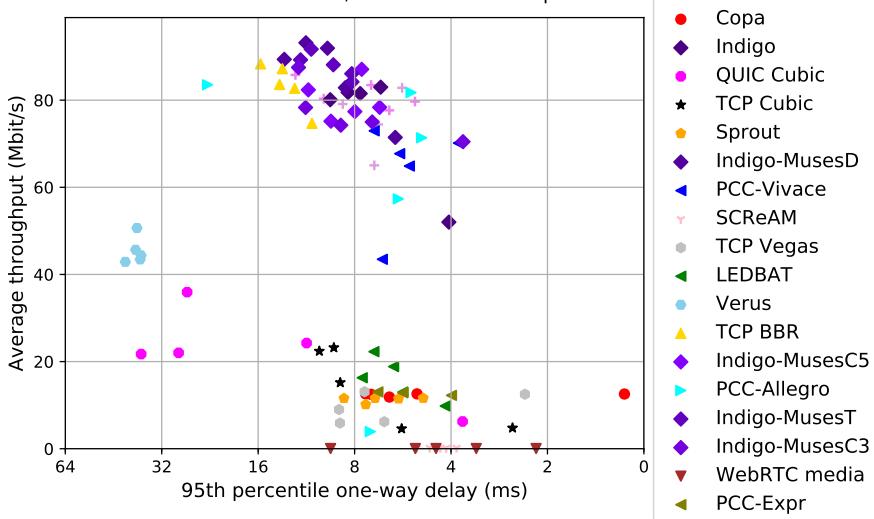
```
branch: muses @ 0b8e9a949603c3842368430acf469eec3b941f9f
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ d9c5ea33091330aca25ecd105ab2db6d34d5c40d
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-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 India 1 to India, 5 runs of 30s each per scheme  
(mean of all runs by scheme)



test from AWS India 1 to India, 5 runs of 30s each per scheme



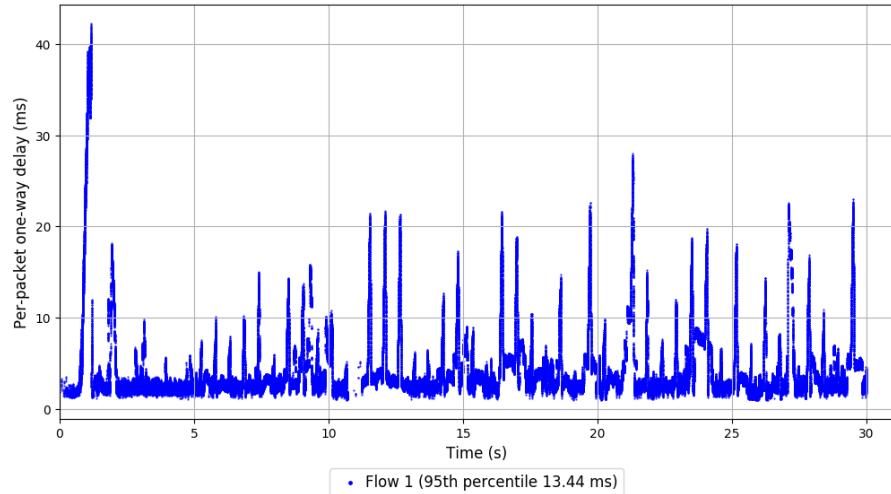
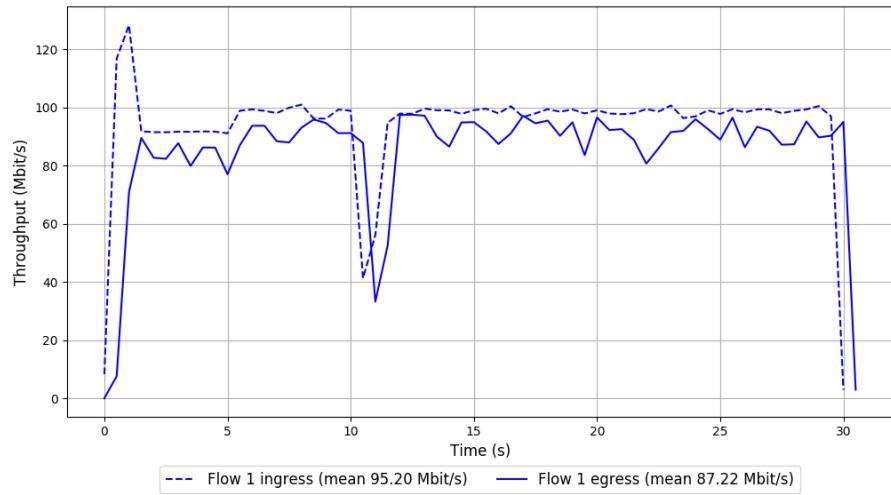
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	83.31	13.21	8.65
Copa	5	12.42	5.25	53.97
TCP Cubic	5	14.03	7.35	1.85
FillP	5	81.39	8.15	11.43
FillP-Sheep	5	76.95	7.28	9.92
Indigo	5	75.68	7.26	8.52
Indigo-MusesC3	5	77.11	8.58	7.46
Indigo-MusesC5	5	80.07	8.58	10.88
Indigo-MusesD	5	85.75	9.77	8.12
Indigo-MusesT	5	87.87	9.67	13.15
LEDBAT	5	16.05	6.08	0.08
PCC-Allegro	5	59.59	9.26	6.60
PCC-Expr	3	12.71	5.47	37.04
QUIC Cubic	5	22.03	21.42	4.94
SCReAM	5	0.21	4.42	0.09
Sprout	5	11.28	6.73	0.68
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	9.33	6.82	0.80
Verus	5	45.40	38.58	46.59
PCC-Vivace	5	63.84	5.70	5.05
WebRTC media	5	0.05	4.93	0.02

Run 1: Statistics of TCP BBR

```
Start at: 2019-01-24 14:37:29
End at: 2019-01-24 14:37:59
Local clock offset: 3.641 ms
Remote clock offset: -4.875 ms

# Below is generated by plot.py at 2019-01-24 16:30:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.22 Mbit/s
95th percentile per-packet one-way delay: 13.443 ms
Loss rate: 8.37%
-- Flow 1:
Average throughput: 87.22 Mbit/s
95th percentile per-packet one-way delay: 13.443 ms
Loss rate: 8.37%
```

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

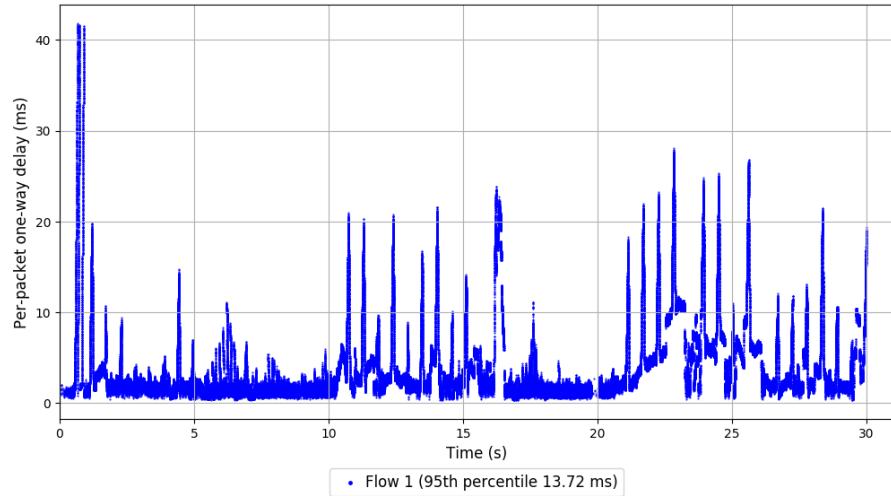
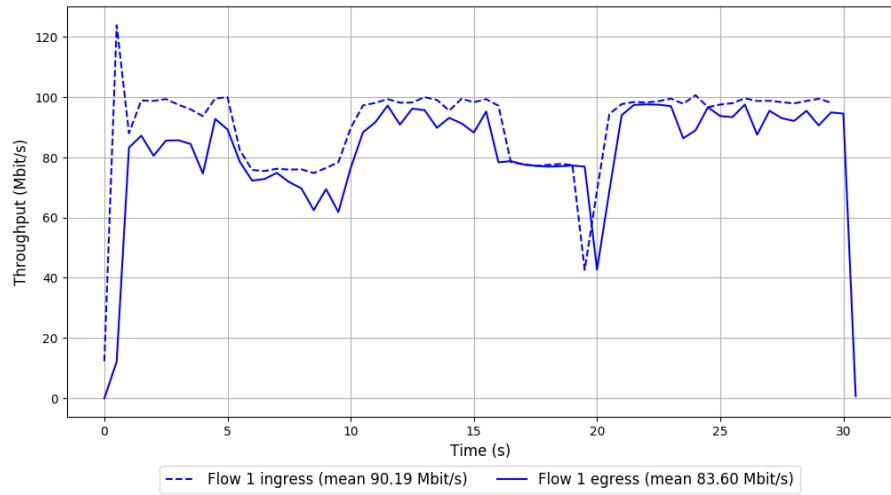


Run 2: Statistics of TCP BBR

```
Start at: 2019-01-24 15:03:32
End at: 2019-01-24 15:04:02
Local clock offset: 3.855 ms
Remote clock offset: -4.35 ms

# Below is generated by plot.py at 2019-01-24 16:30:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.60 Mbit/s
95th percentile per-packet one-way delay: 13.716 ms
Loss rate: 7.29%
-- Flow 1:
Average throughput: 83.60 Mbit/s
95th percentile per-packet one-way delay: 13.716 ms
Loss rate: 7.29%
```

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

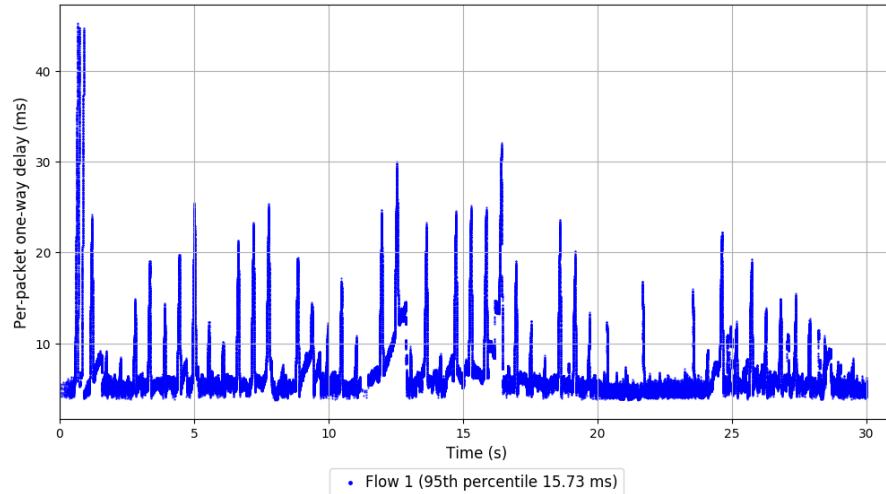
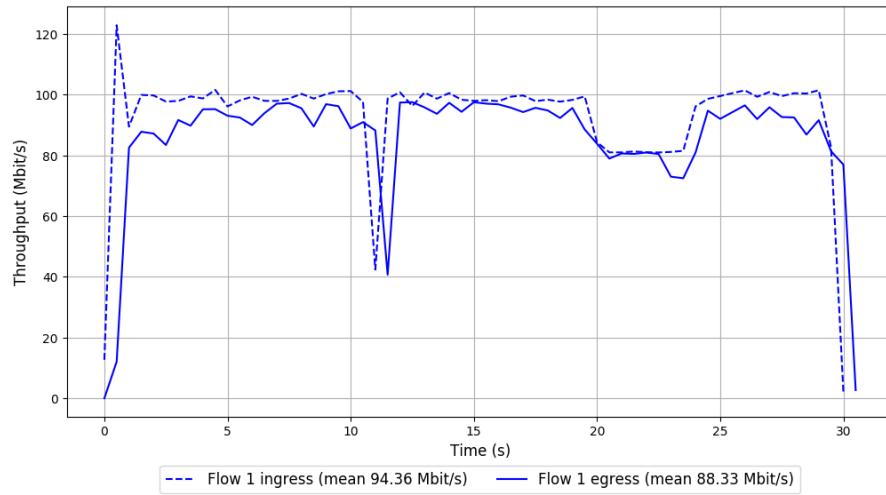


Run 3: Statistics of TCP BBR

```
Start at: 2019-01-24 15:28:10
End at: 2019-01-24 15:28:40
Local clock offset: 1.19 ms
Remote clock offset: -2.307 ms

# Below is generated by plot.py at 2019-01-24 16:30:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.33 Mbit/s
95th percentile per-packet one-way delay: 15.731 ms
Loss rate: 6.39%
-- Flow 1:
Average throughput: 88.33 Mbit/s
95th percentile per-packet one-way delay: 15.731 ms
Loss rate: 6.39%
```

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

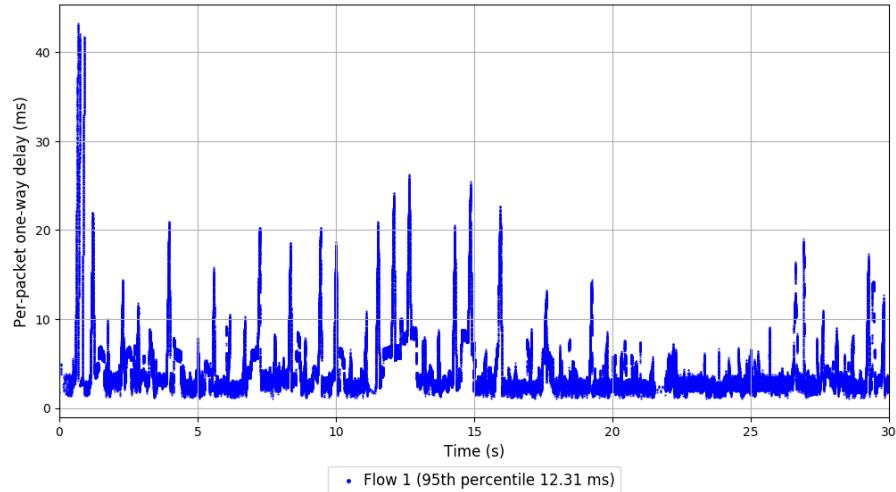
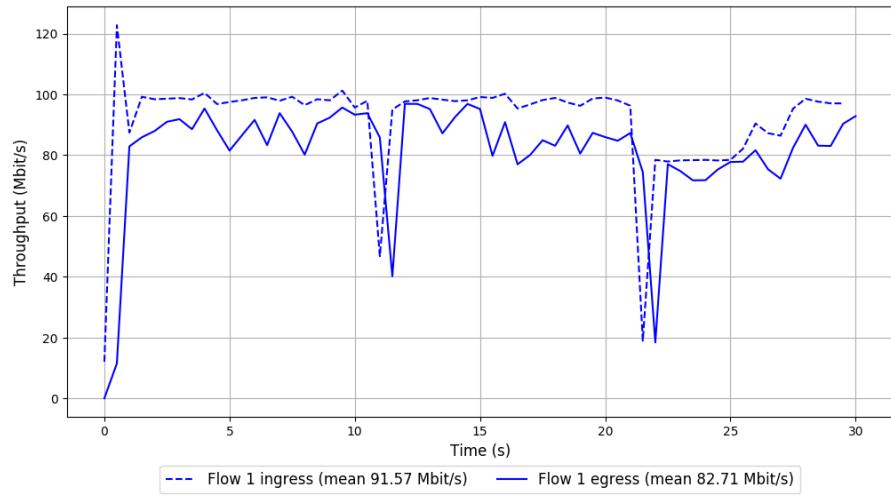


Run 4: Statistics of TCP BBR

```
Start at: 2019-01-24 15:54:43
End at: 2019-01-24 15:55:13
Local clock offset: 3.626 ms
Remote clock offset: -4.021 ms

# Below is generated by plot.py at 2019-01-24 16:30:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.71 Mbit/s
95th percentile per-packet one-way delay: 12.309 ms
Loss rate: 9.68%
-- Flow 1:
Average throughput: 82.71 Mbit/s
95th percentile per-packet one-way delay: 12.309 ms
Loss rate: 9.68%
```

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

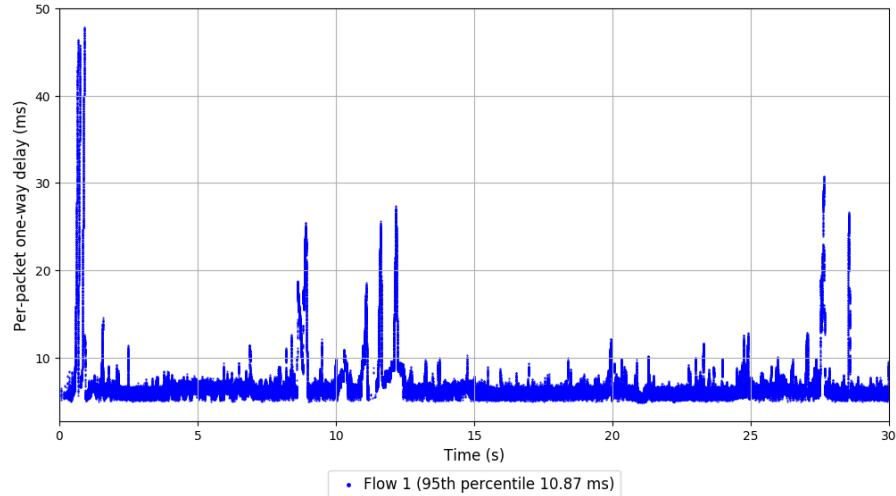
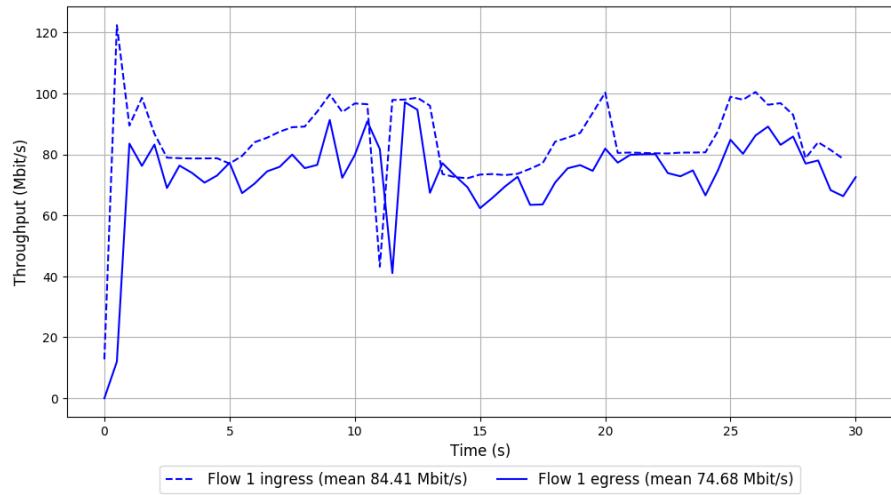


Run 5: Statistics of TCP BBR

```
Start at: 2019-01-24 16:20:45
End at: 2019-01-24 16:21:15
Local clock offset: -0.296 ms
Remote clock offset: -2.586 ms

# Below is generated by plot.py at 2019-01-24 16:30:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.68 Mbit/s
95th percentile per-packet one-way delay: 10.869 ms
Loss rate: 11.53%
-- Flow 1:
Average throughput: 74.68 Mbit/s
95th percentile per-packet one-way delay: 10.869 ms
Loss rate: 11.53%
```

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

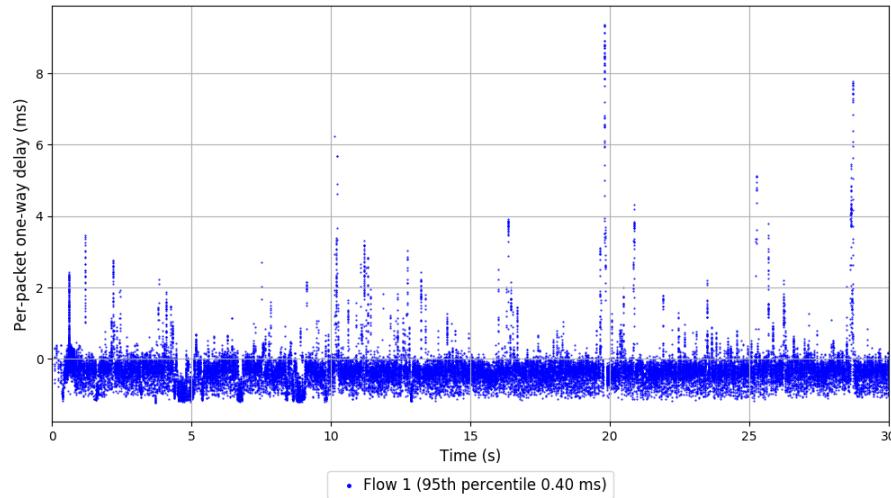
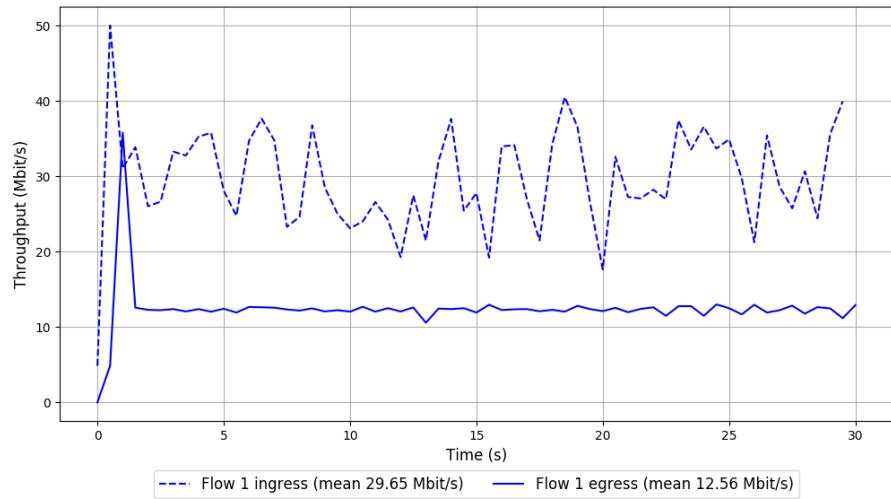


Run 1: Statistics of Copa

```
Start at: 2019-01-24 14:32:48
End at: 2019-01-24 14:33:18
Local clock offset: 5.381 ms
Remote clock offset: -5.827 ms

# Below is generated by plot.py at 2019-01-24 16:30:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.56 Mbit/s
95th percentile per-packet one-way delay: 0.403 ms
Loss rate: 57.64%
-- Flow 1:
Average throughput: 12.56 Mbit/s
95th percentile per-packet one-way delay: 0.403 ms
Loss rate: 57.64%
```

## Run 1: Report of Copa — Data Link

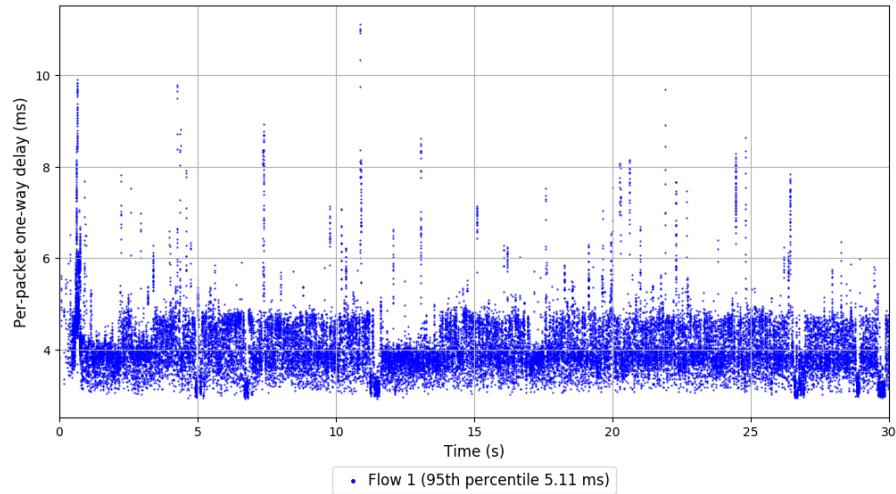
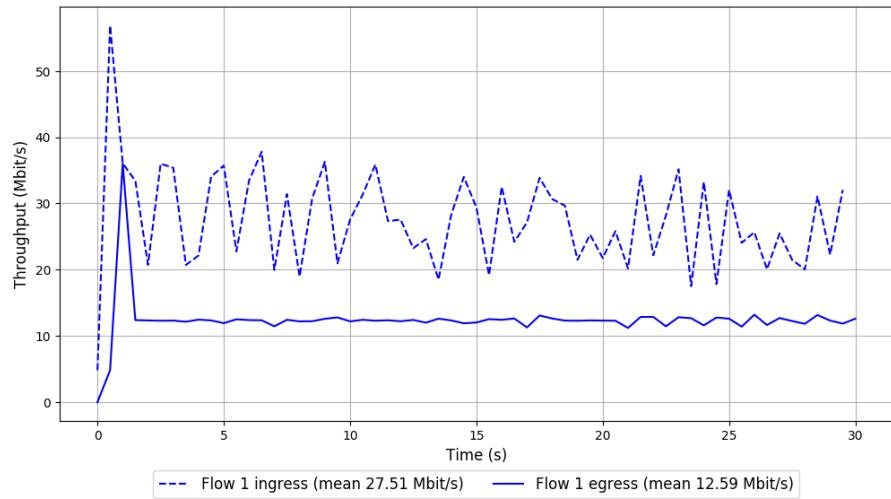


Run 2: Statistics of Copa

```
Start at: 2019-01-24 14:58:58
End at: 2019-01-24 14:59:28
Local clock offset: 4.187 ms
Remote clock offset: -2.315 ms

# Below is generated by plot.py at 2019-01-24 16:30:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 5.108 ms
Loss rate: 54.24%
-- Flow 1:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 5.108 ms
Loss rate: 54.24%
```

## Run 2: Report of Copa — Data Link

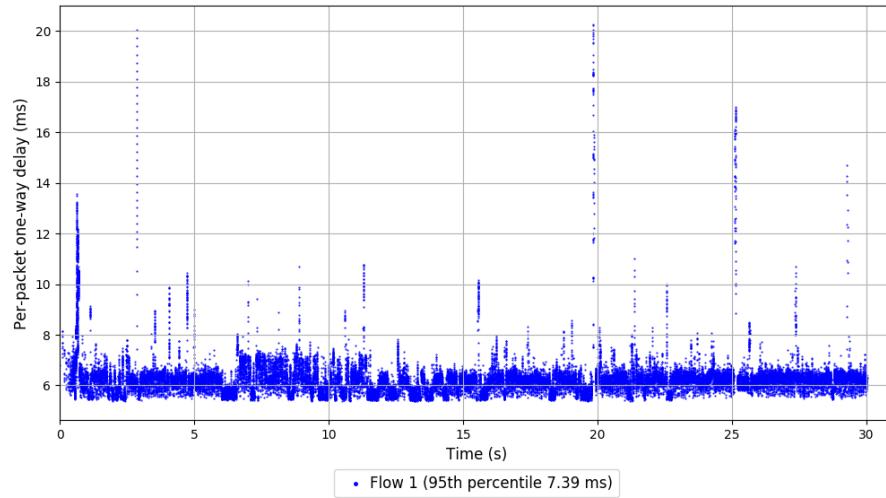
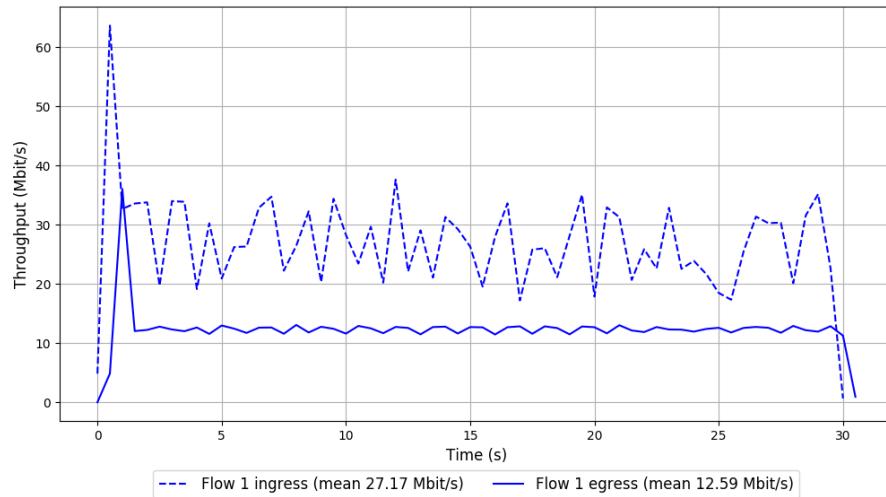


Run 3: Statistics of Copa

```
Start at: 2019-01-24 15:23:42
End at: 2019-01-24 15:24:12
Local clock offset: 0.773 ms
Remote clock offset: -1.041 ms

# Below is generated by plot.py at 2019-01-24 16:30:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 7.389 ms
Loss rate: 53.68%
-- Flow 1:
Average throughput: 12.59 Mbit/s
95th percentile per-packet one-way delay: 7.389 ms
Loss rate: 53.68%
```

### Run 3: Report of Copa — Data Link

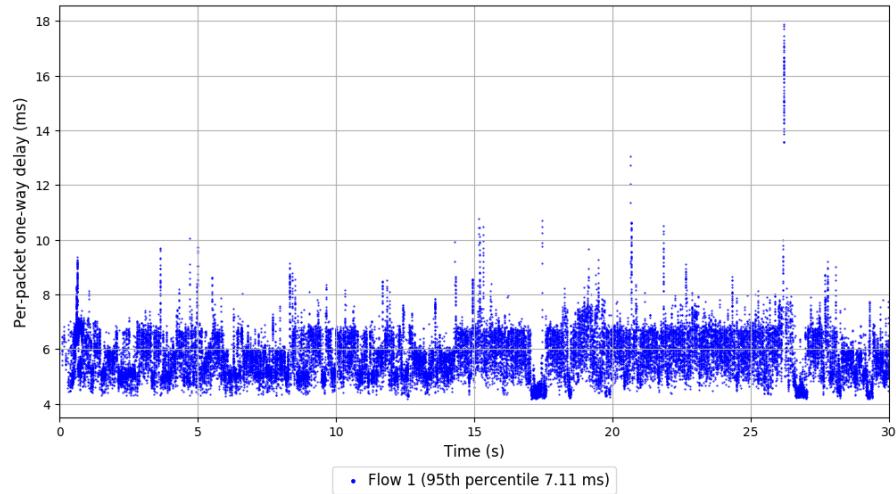
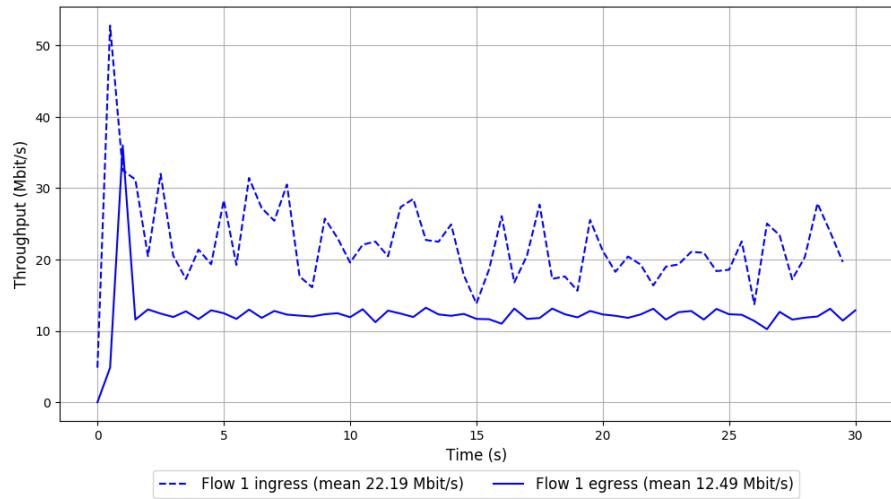


Run 4: Statistics of Copa

```
Start at: 2019-01-24 15:50:09
End at: 2019-01-24 15:50:39
Local clock offset: 1.845 ms
Remote clock offset: -2.428 ms

# Below is generated by plot.py at 2019-01-24 16:30:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.49 Mbit/s
95th percentile per-packet one-way delay: 7.110 ms
Loss rate: 43.71%
-- Flow 1:
Average throughput: 12.49 Mbit/s
95th percentile per-packet one-way delay: 7.110 ms
Loss rate: 43.71%
```

## Run 4: Report of Copa — Data Link

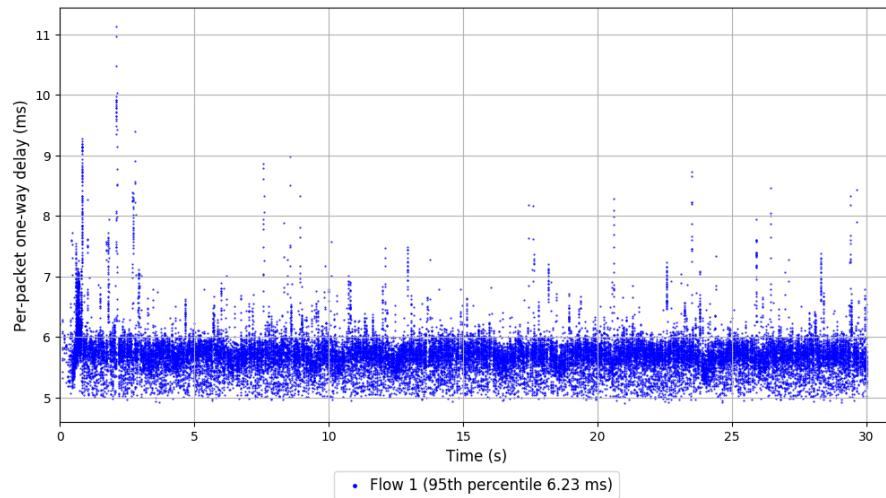
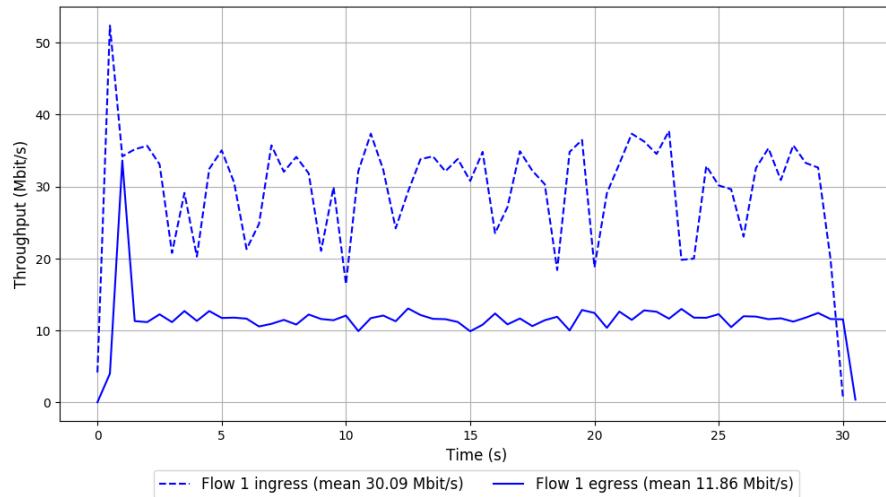


Run 5: Statistics of Copa

```
Start at: 2019-01-24 16:16:10
End at: 2019-01-24 16:16:40
Local clock offset: 0.385 ms
Remote clock offset: -1.998 ms

# Below is generated by plot.py at 2019-01-24 16:30:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.86 Mbit/s
95th percentile per-packet one-way delay: 6.231 ms
Loss rate: 60.60%
-- Flow 1:
Average throughput: 11.86 Mbit/s
95th percentile per-packet one-way delay: 6.231 ms
Loss rate: 60.60%
```

## Run 5: Report of Copa — Data Link

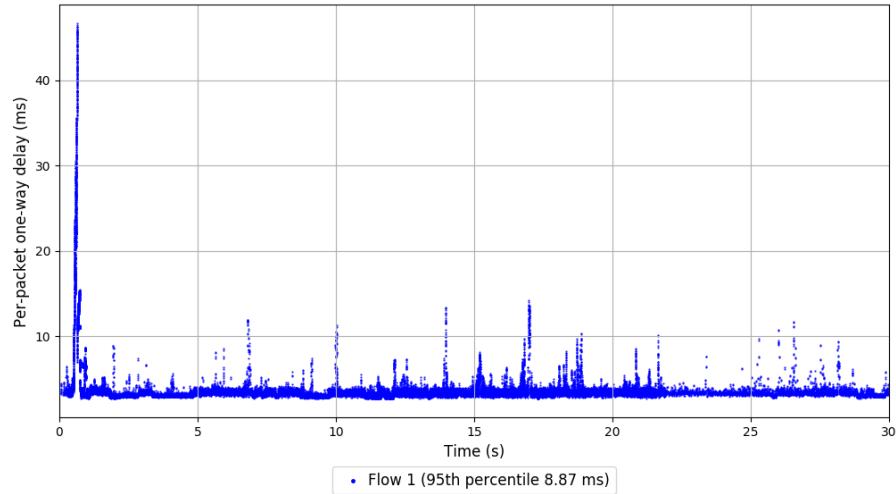
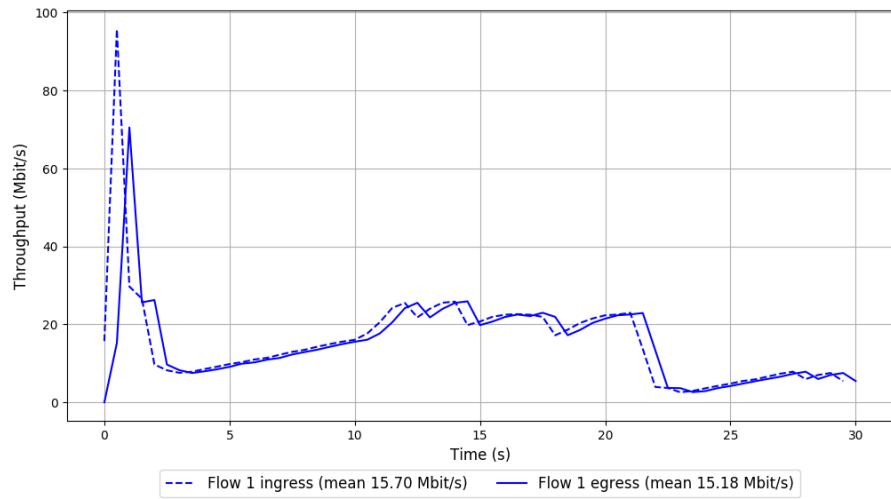


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-01-24 14:35:08
End at: 2019-01-24 14:35:38
Local clock offset: 2.315 ms
Remote clock offset: -4.716 ms

# Below is generated by plot.py at 2019-01-24 16:30:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.18 Mbit/s
95th percentile per-packet one-way delay: 8.868 ms
Loss rate: 3.29%
-- Flow 1:
Average throughput: 15.18 Mbit/s
95th percentile per-packet one-way delay: 8.868 ms
Loss rate: 3.29%
```

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

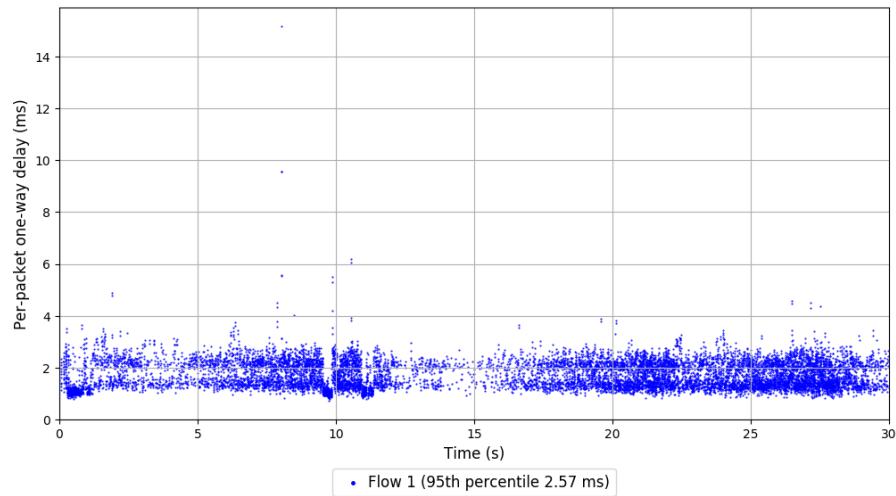
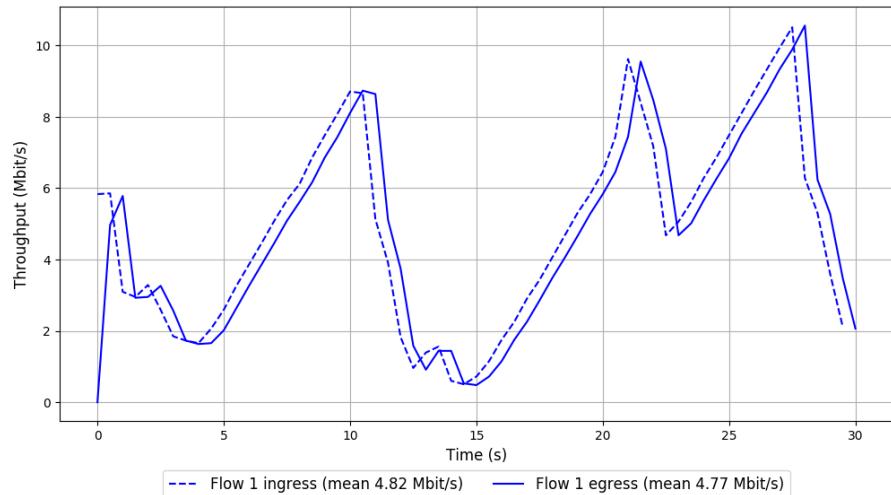


Run 2: Statistics of TCP Cubic

```
Start at: 2019-01-24 15:01:20
End at: 2019-01-24 15:01:50
Local clock offset: 4.667 ms
Remote clock offset: -3.62 ms

# Below is generated by plot.py at 2019-01-24 16:30:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 2.571 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 4.77 Mbit/s
95th percentile per-packet one-way delay: 2.571 ms
Loss rate: 0.85%
```

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

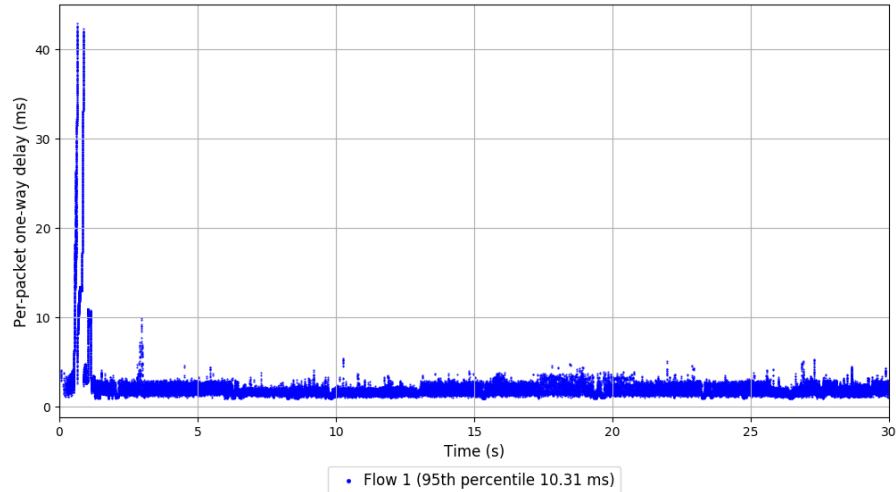
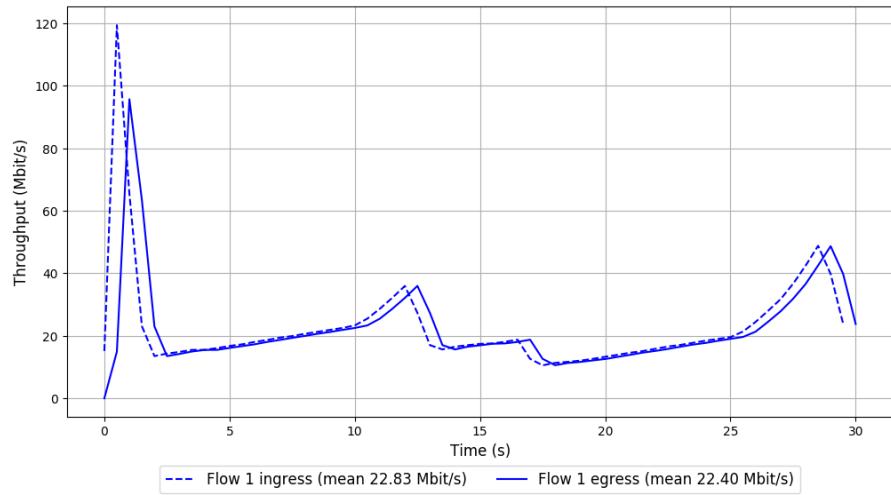


Run 3: Statistics of TCP Cubic

```
Start at: 2019-01-24 15:25:56
End at: 2019-01-24 15:26:26
Local clock offset: 2.19 ms
Remote clock offset: -4.124 ms

# Below is generated by plot.py at 2019-01-24 16:30:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.40 Mbit/s
95th percentile per-packet one-way delay: 10.308 ms
Loss rate: 1.92%
-- Flow 1:
Average throughput: 22.40 Mbit/s
95th percentile per-packet one-way delay: 10.308 ms
Loss rate: 1.92%
```

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

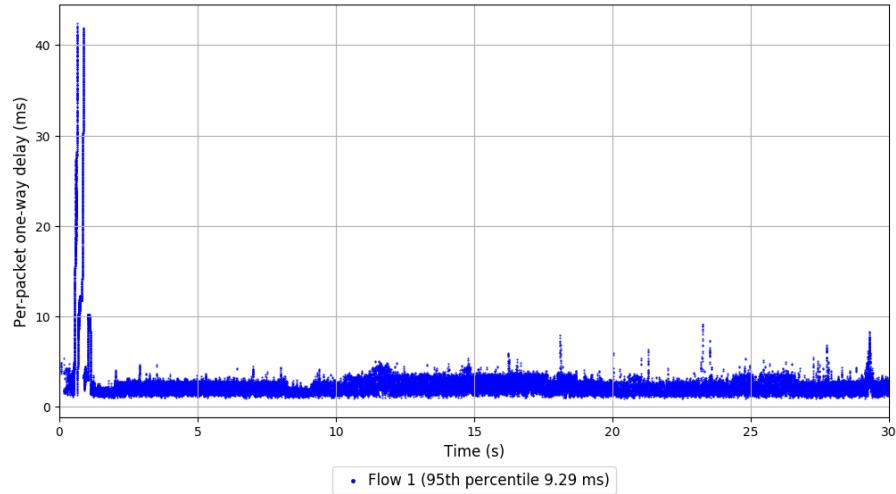
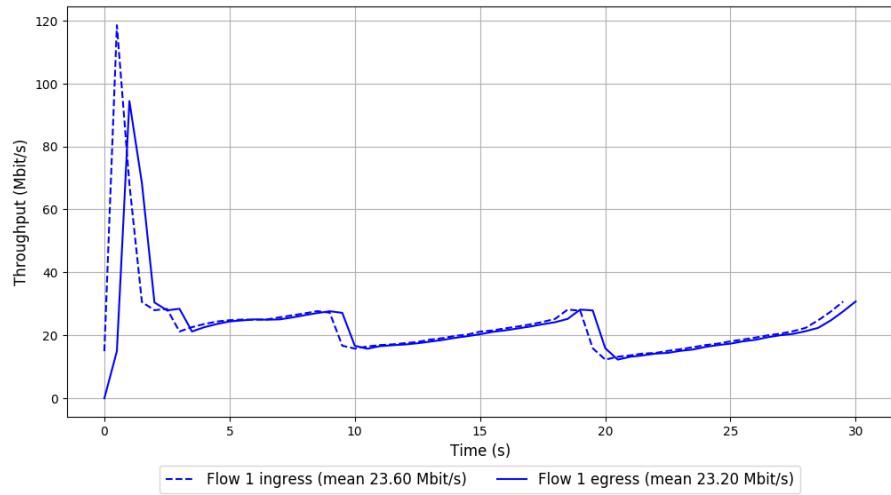


Run 4: Statistics of TCP Cubic

```
Start at: 2019-01-24 15:52:26
End at: 2019-01-24 15:52:56
Local clock offset: 3.476 ms
Remote clock offset: -4.225 ms

# Below is generated by plot.py at 2019-01-24 16:30:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.20 Mbit/s
95th percentile per-packet one-way delay: 9.287 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 23.20 Mbit/s
95th percentile per-packet one-way delay: 9.287 ms
Loss rate: 1.70%
```

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

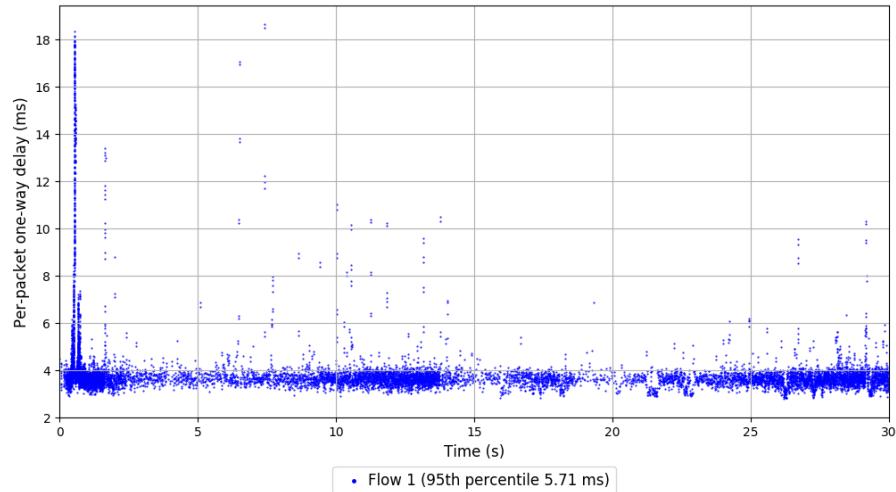
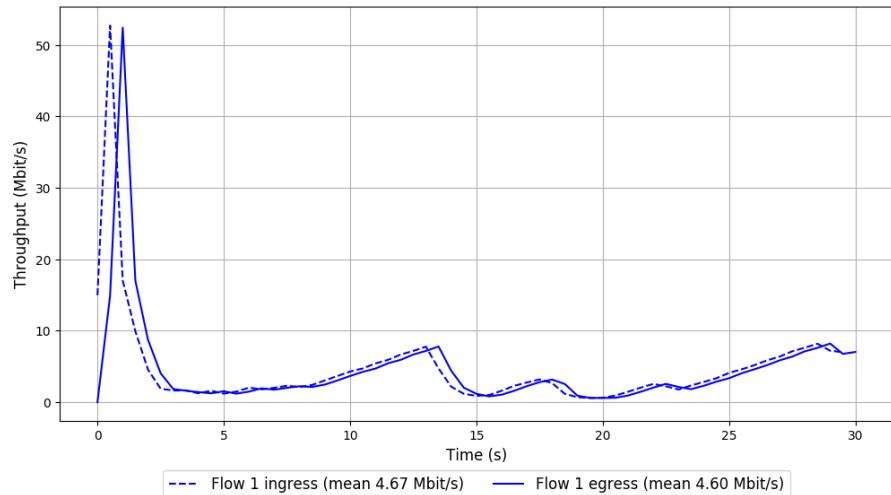


Run 5: Statistics of TCP Cubic

```
Start at: 2019-01-24 16:18:23
End at: 2019-01-24 16:18:53
Local clock offset: -0.018 ms
Remote clock offset: -4.483 ms

# Below is generated by plot.py at 2019-01-24 16:30:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 5.705 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 5.705 ms
Loss rate: 1.48%
```

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

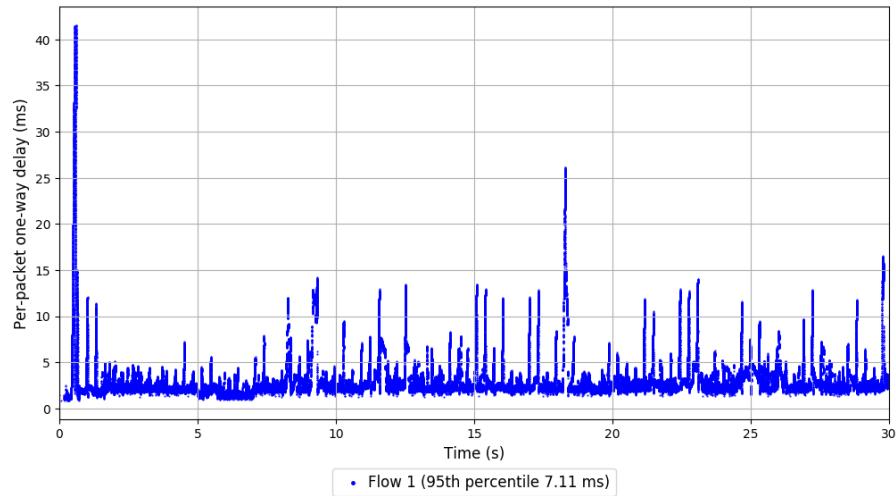
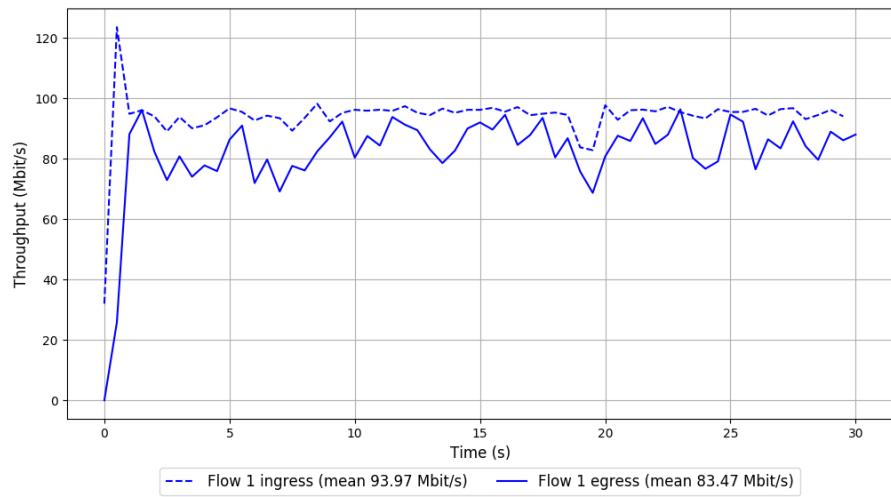


```
Run 1: Statistics of FillP
```

```
Start at: 2019-01-24 14:27:52
End at: 2019-01-24 14:28:22
Local clock offset: 4.842 ms
Remote clock offset: -4.506 ms

# Below is generated by plot.py at 2019-01-24 16:31:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.47 Mbit/s
95th percentile per-packet one-way delay: 7.106 ms
Loss rate: 11.18%
-- Flow 1:
Average throughput: 83.47 Mbit/s
95th percentile per-packet one-way delay: 7.106 ms
Loss rate: 11.18%
```

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

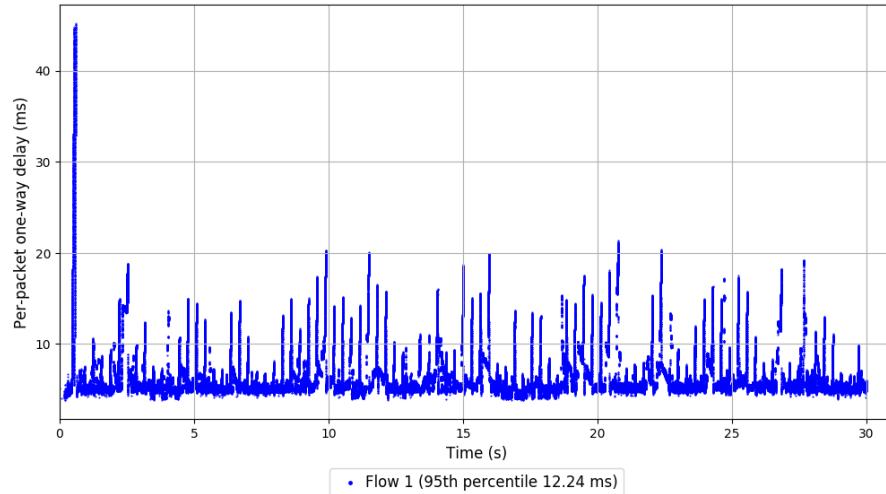
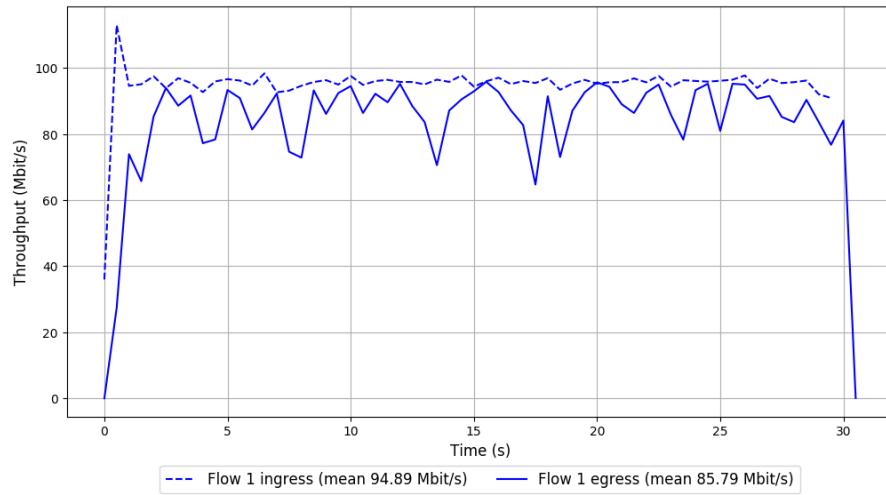


Run 2: Statistics of FillP

```
Start at: 2019-01-24 14:53:41
End at: 2019-01-24 14:54:11
Local clock offset: 2.218 ms
Remote clock offset: -2.97 ms

# Below is generated by plot.py at 2019-01-24 16:31:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.79 Mbit/s
95th percentile per-packet one-way delay: 12.243 ms
Loss rate: 9.59%
-- Flow 1:
Average throughput: 85.79 Mbit/s
95th percentile per-packet one-way delay: 12.243 ms
Loss rate: 9.59%
```

## Run 2: Report of FillP — Data Link

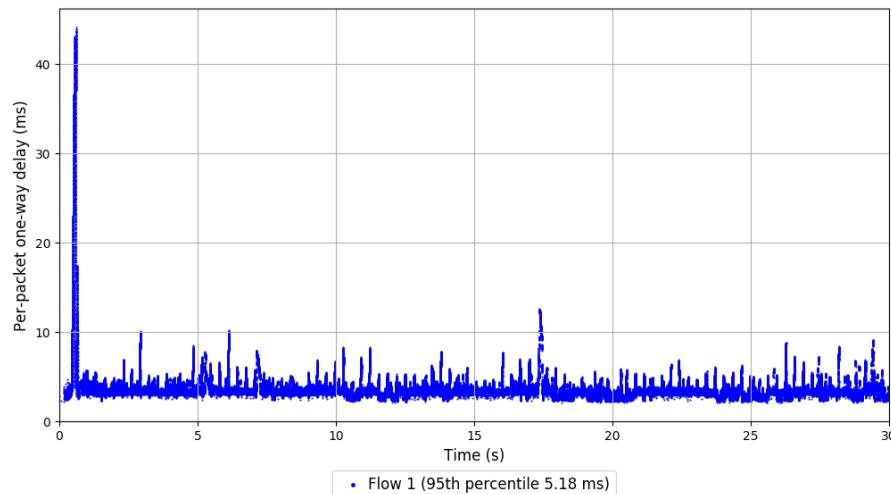
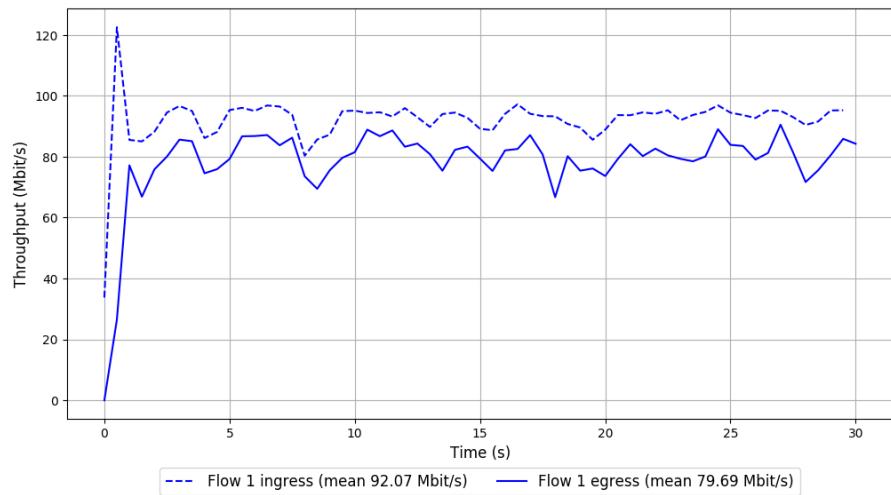


Run 3: Statistics of FillP

```
Start at: 2019-01-24 15:18:52
End at: 2019-01-24 15:19:22
Local clock offset: 1.352 ms
Remote clock offset: -3.708 ms

# Below is generated by plot.py at 2019-01-24 16:31:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.69 Mbit/s
95th percentile per-packet one-way delay: 5.183 ms
Loss rate: 13.45%
-- Flow 1:
Average throughput: 79.69 Mbit/s
95th percentile per-packet one-way delay: 5.183 ms
Loss rate: 13.45%
```

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

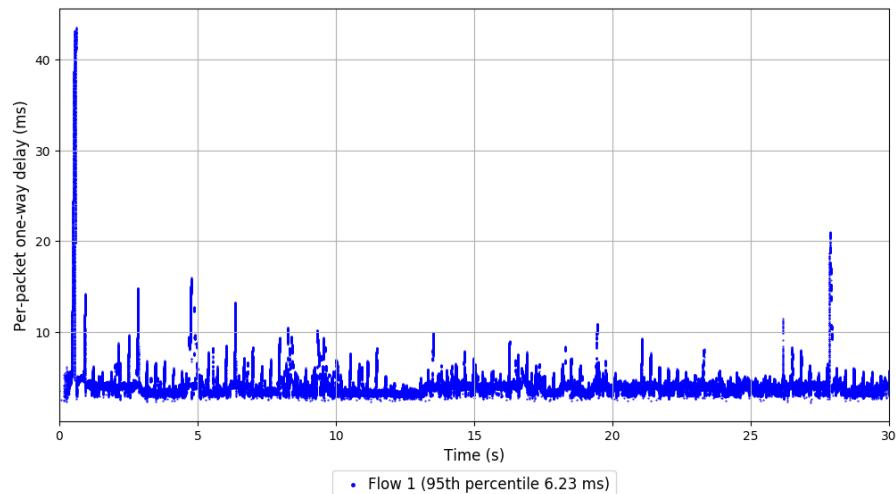
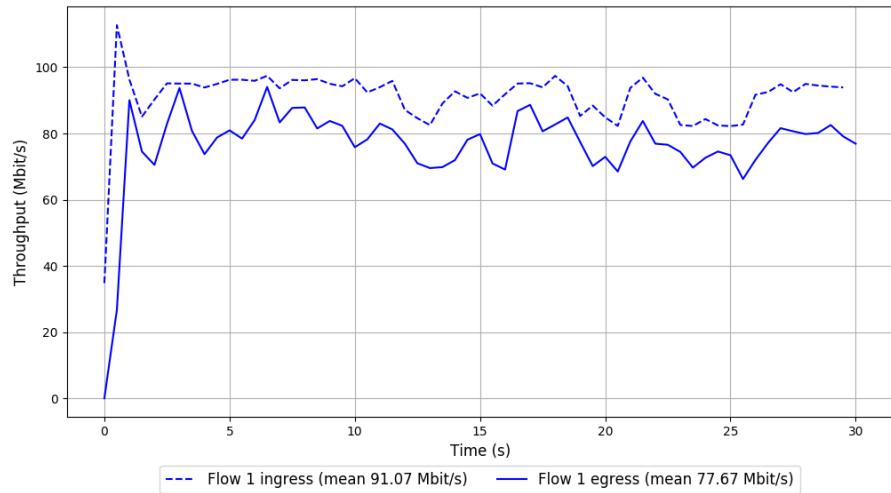


Run 4: Statistics of FillP

```
Start at: 2019-01-24 15:44:52
End at: 2019-01-24 15:45:22
Local clock offset: 2.287 ms
Remote clock offset: -3.723 ms

# Below is generated by plot.py at 2019-01-24 16:31:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.67 Mbit/s
95th percentile per-packet one-way delay: 6.233 ms
Loss rate: 14.72%
-- Flow 1:
Average throughput: 77.67 Mbit/s
95th percentile per-packet one-way delay: 6.233 ms
Loss rate: 14.72%
```

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

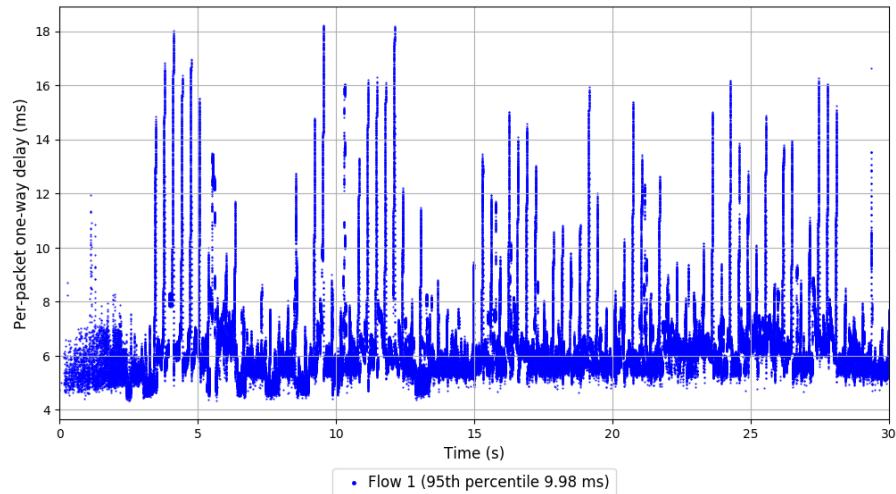
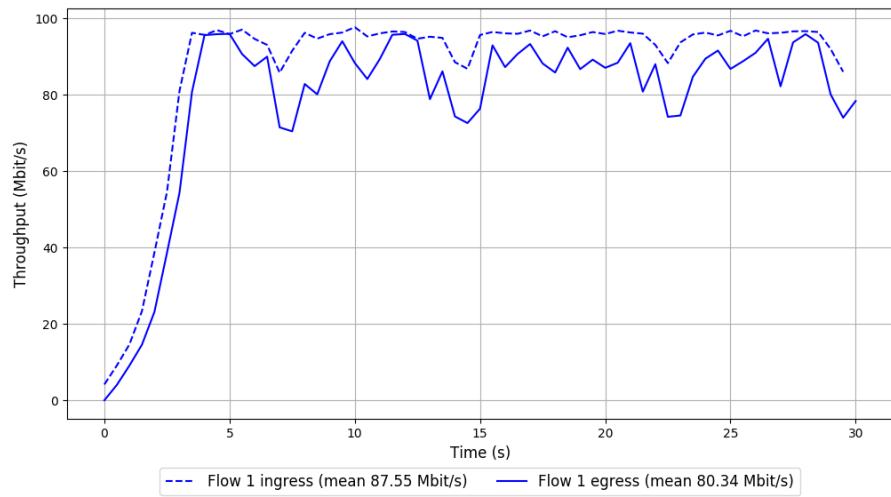


Run 5: Statistics of FillP

```
Start at: 2019-01-24 16:11:06
End at: 2019-01-24 16:11:36
Local clock offset: 0.63 ms
Remote clock offset: -2.28 ms

# Below is generated by plot.py at 2019-01-24 16:31:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.34 Mbit/s
95th percentile per-packet one-way delay: 9.983 ms
Loss rate: 8.23%
-- Flow 1:
Average throughput: 80.34 Mbit/s
95th percentile per-packet one-way delay: 9.983 ms
Loss rate: 8.23%
```

Run 5: Report of FillP — Data Link

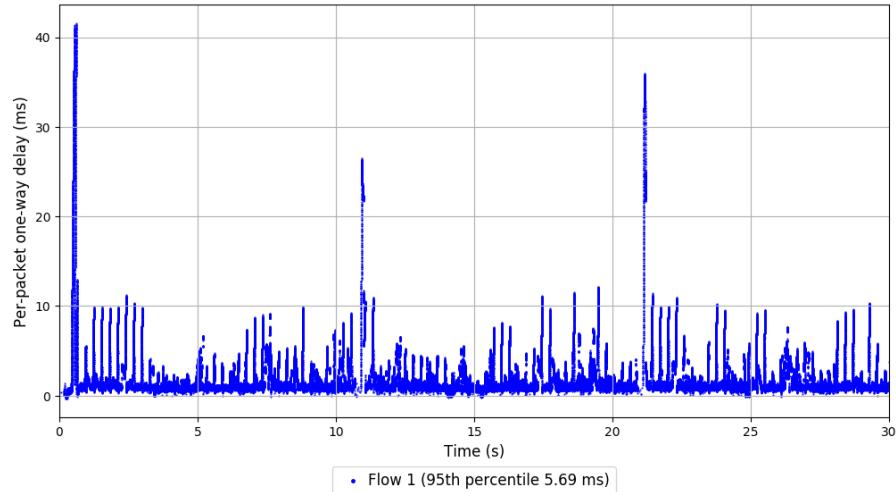
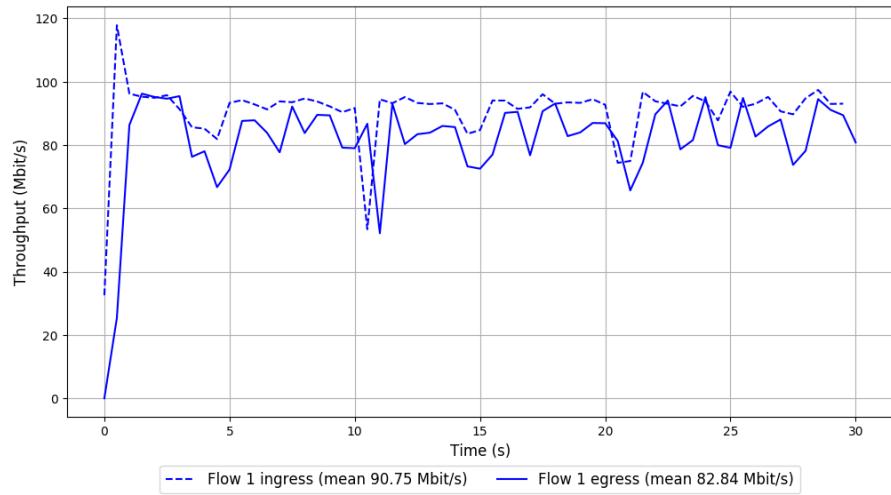


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-01-24 14:29:03
End at: 2019-01-24 14:29:33
Local clock offset: 6.335 ms
Remote clock offset: -4.255 ms

# Below is generated by plot.py at 2019-01-24 16:31:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.84 Mbit/s
95th percentile per-packet one-way delay: 5.686 ms
Loss rate: 8.71%
-- Flow 1:
Average throughput: 82.84 Mbit/s
95th percentile per-packet one-way delay: 5.686 ms
Loss rate: 8.71%
```

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

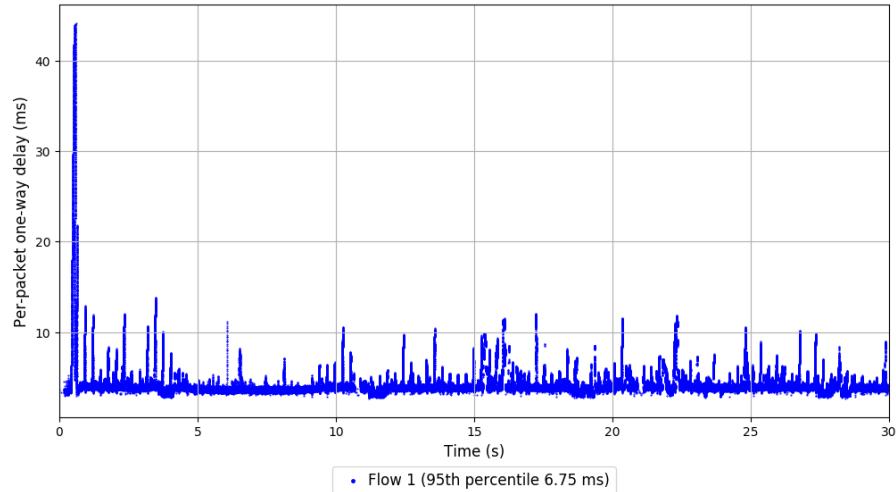
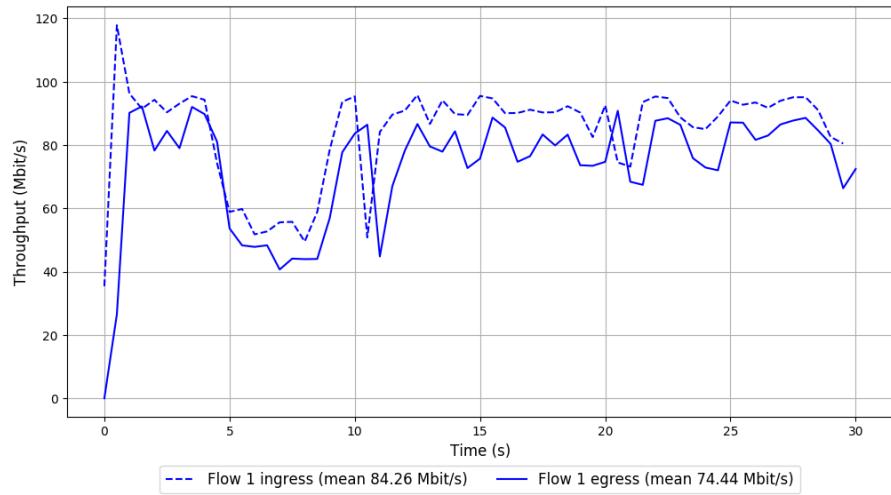


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-01-24 14:54:55
End at: 2019-01-24 14:55:25
Local clock offset: 2.31 ms
Remote clock offset: -4.04 ms

# Below is generated by plot.py at 2019-01-24 16:31:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.44 Mbit/s
95th percentile per-packet one-way delay: 6.754 ms
Loss rate: 11.66%
-- Flow 1:
Average throughput: 74.44 Mbit/s
95th percentile per-packet one-way delay: 6.754 ms
Loss rate: 11.66%
```

## Run 2: Report of FillP-Sheep — Data Link

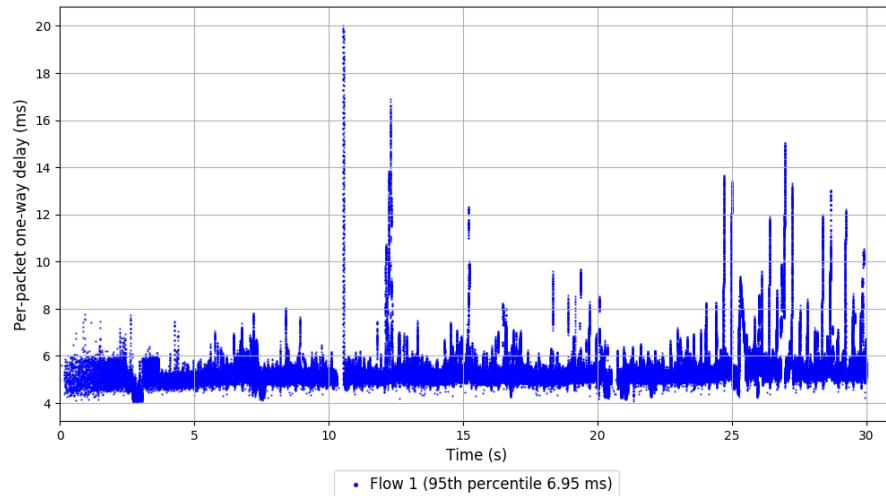
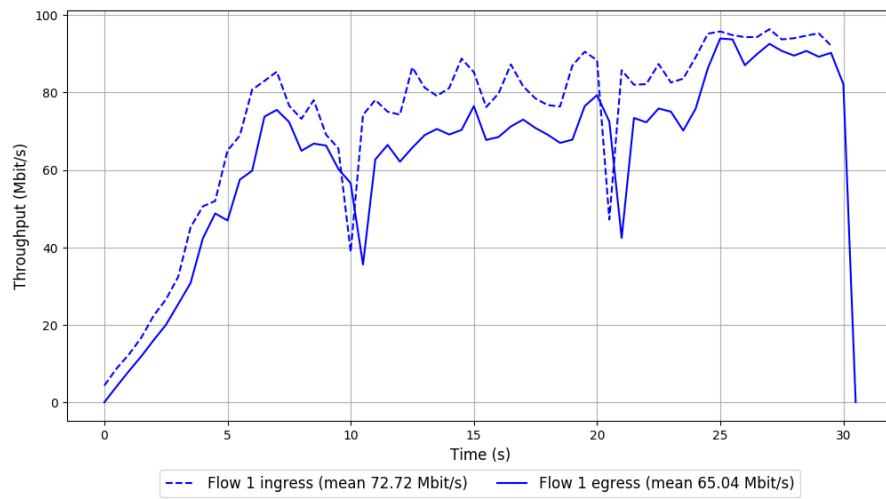


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-01-24 15:20:05
End at: 2019-01-24 15:20:35
Local clock offset: 0.675 ms
Remote clock offset: -2.349 ms

# Below is generated by plot.py at 2019-01-24 16:31:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.04 Mbit/s
95th percentile per-packet one-way delay: 6.945 ms
Loss rate: 10.56%
-- Flow 1:
Average throughput: 65.04 Mbit/s
95th percentile per-packet one-way delay: 6.945 ms
Loss rate: 10.56%
```

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

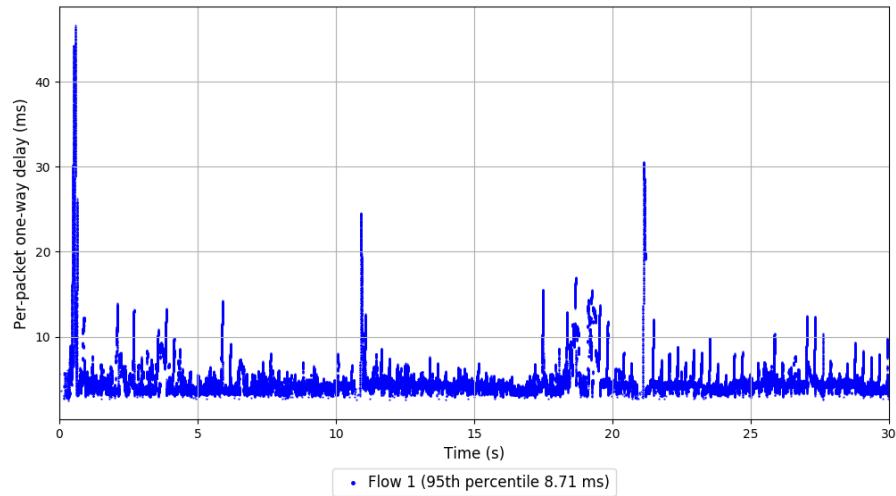
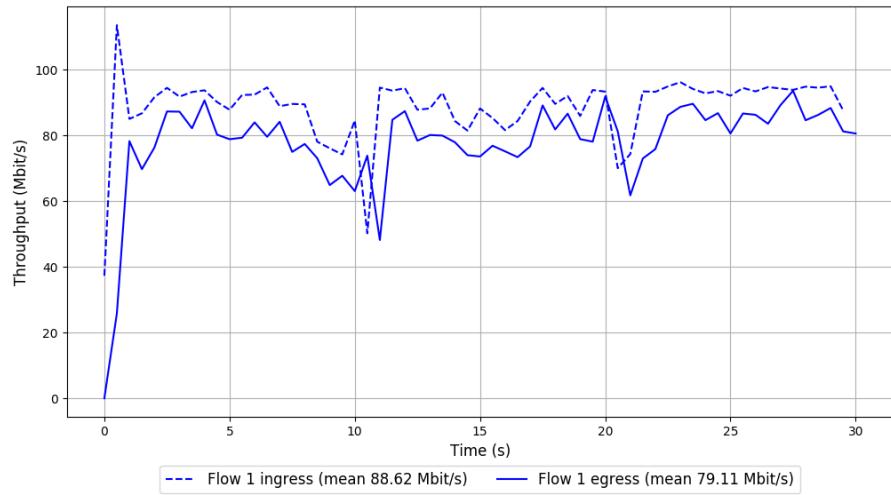


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-01-24 15:46:08
End at: 2019-01-24 15:46:38
Local clock offset: 1.757 ms
Remote clock offset: -4.024 ms

# Below is generated by plot.py at 2019-01-24 16:32:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.11 Mbit/s
95th percentile per-packet one-way delay: 8.710 ms
Loss rate: 10.73%
-- Flow 1:
Average throughput: 79.11 Mbit/s
95th percentile per-packet one-way delay: 8.710 ms
Loss rate: 10.73%
```

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

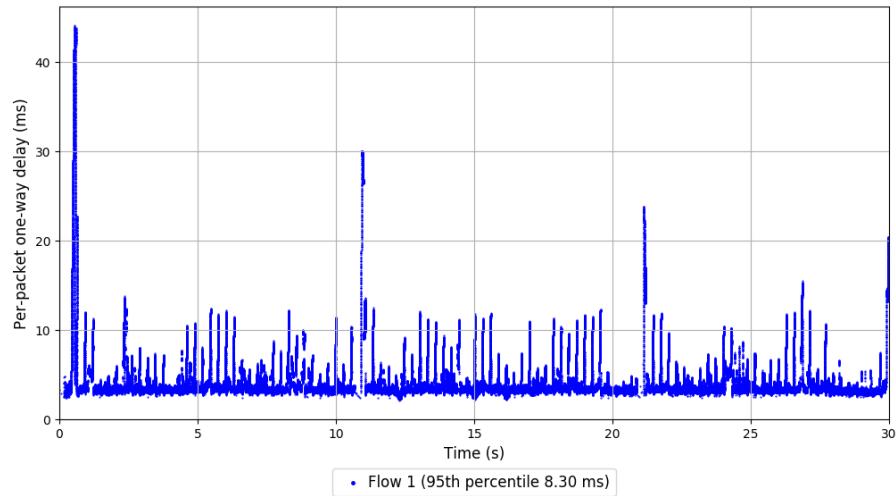
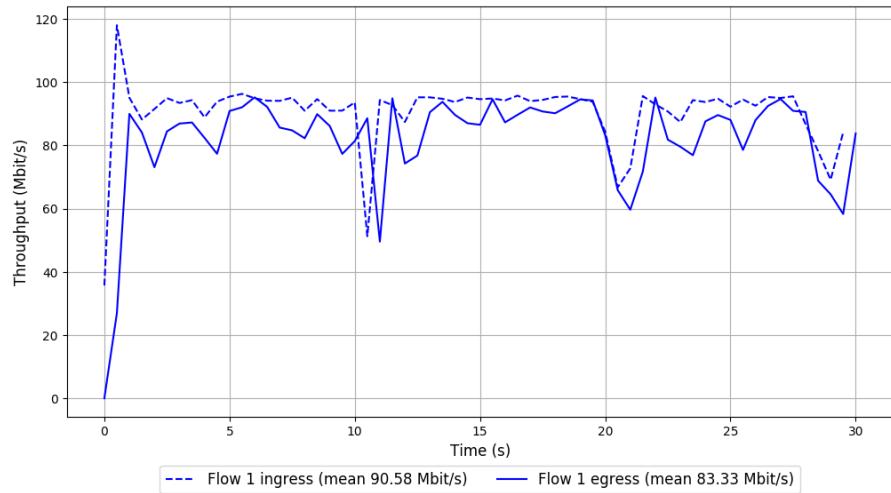


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-01-24 16:12:27
End at: 2019-01-24 16:12:57
Local clock offset: 2.121 ms
Remote clock offset: -2.959 ms

# Below is generated by plot.py at 2019-01-24 16:32:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 8.296 ms
Loss rate: 7.95%
-- Flow 1:
Average throughput: 83.33 Mbit/s
95th percentile per-packet one-way delay: 8.296 ms
Loss rate: 7.95%
```

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

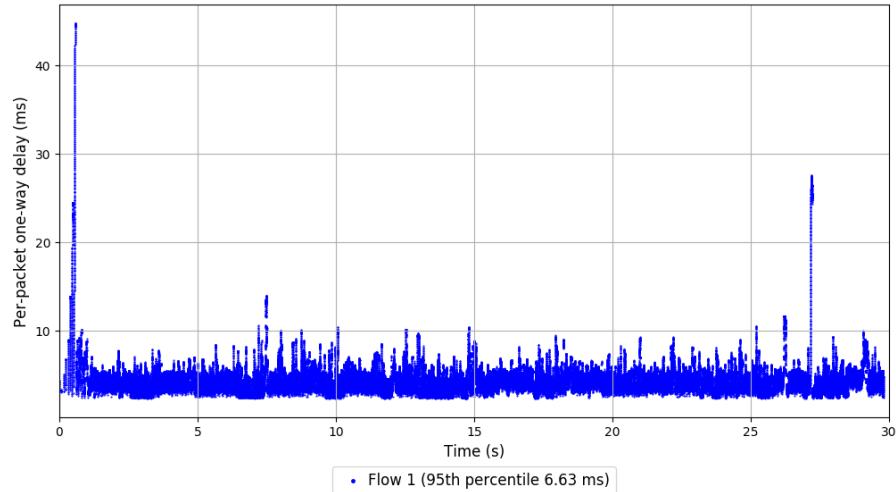
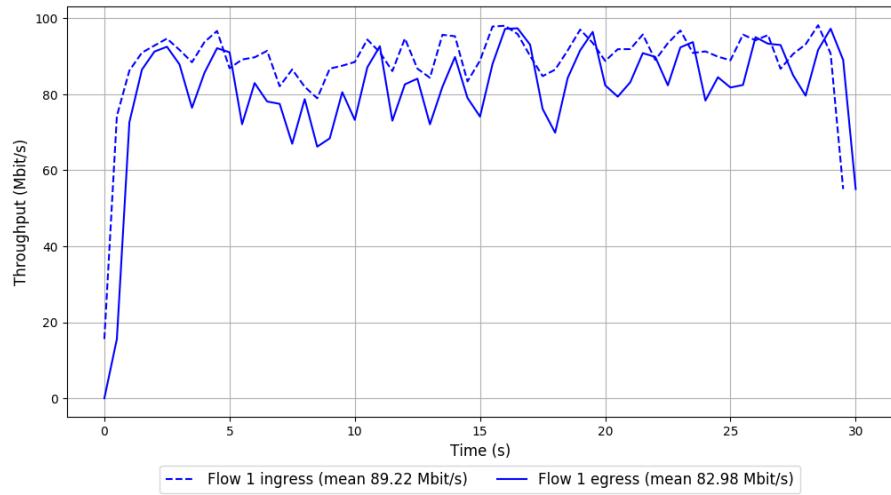


Run 1: Statistics of Indigo

```
Start at: 2019-01-24 14:23:13
End at: 2019-01-24 14:23:43
Local clock offset: 4.715 ms
Remote clock offset: -3.217 ms

# Below is generated by plot.py at 2019-01-24 16:32:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.98 Mbit/s
95th percentile per-packet one-way delay: 6.632 ms
Loss rate: 6.99%
-- Flow 1:
Average throughput: 82.98 Mbit/s
95th percentile per-packet one-way delay: 6.632 ms
Loss rate: 6.99%
```

## Run 1: Report of Indigo — Data Link

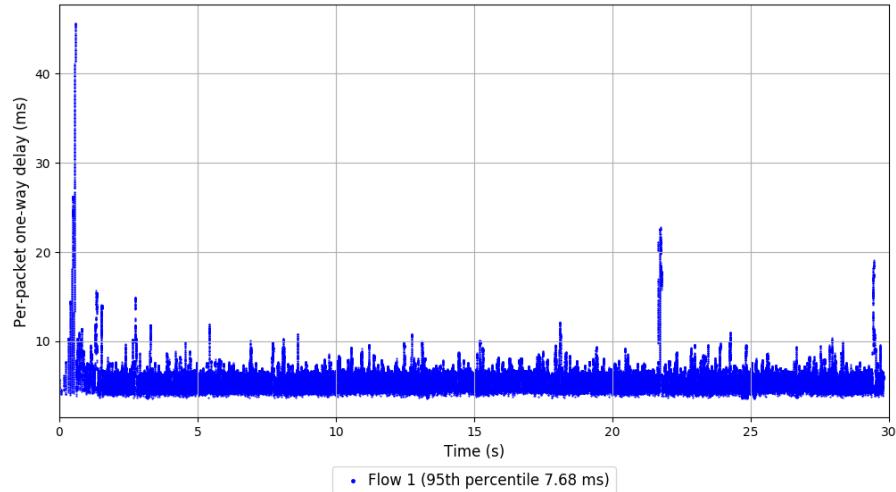
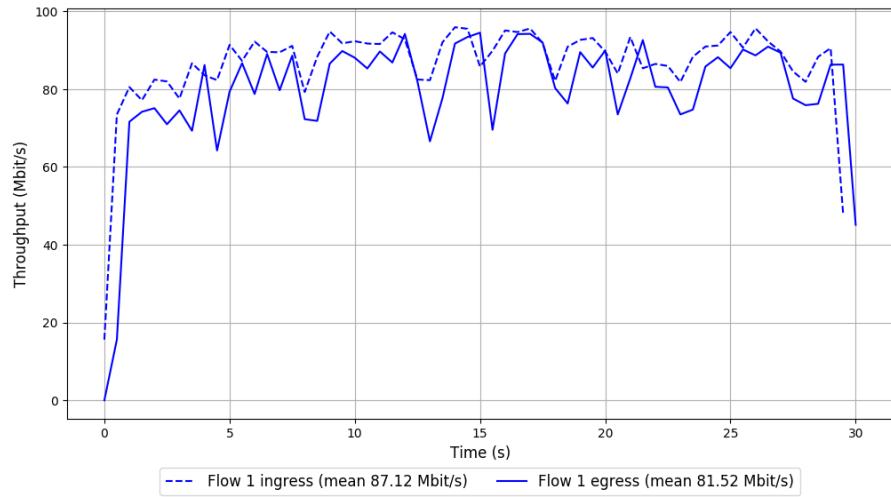


Run 2: Statistics of Indigo

```
Start at: 2019-01-24 14:48:55
End at: 2019-01-24 14:49:25
Local clock offset: 2.237 ms
Remote clock offset: -3.22 ms

# Below is generated by plot.py at 2019-01-24 16:32:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.52 Mbit/s
95th percentile per-packet one-way delay: 7.684 ms
Loss rate: 6.42%
-- Flow 1:
Average throughput: 81.52 Mbit/s
95th percentile per-packet one-way delay: 7.684 ms
Loss rate: 6.42%
```

## Run 2: Report of Indigo — Data Link

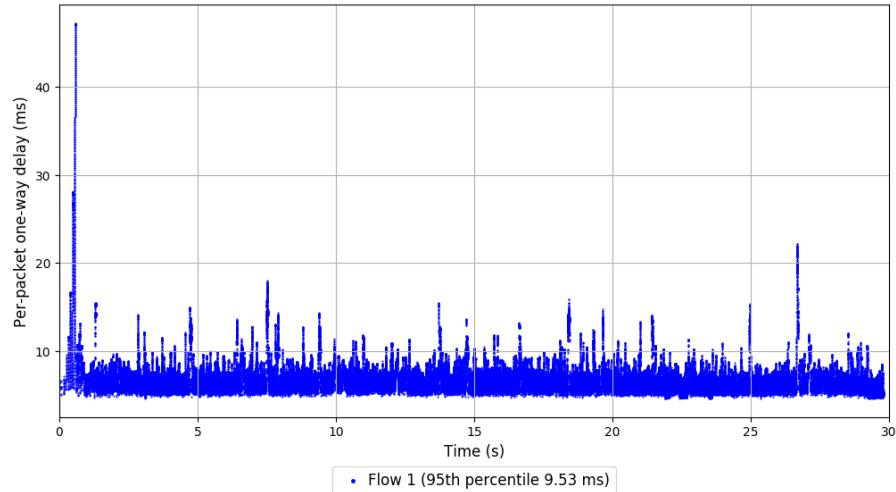
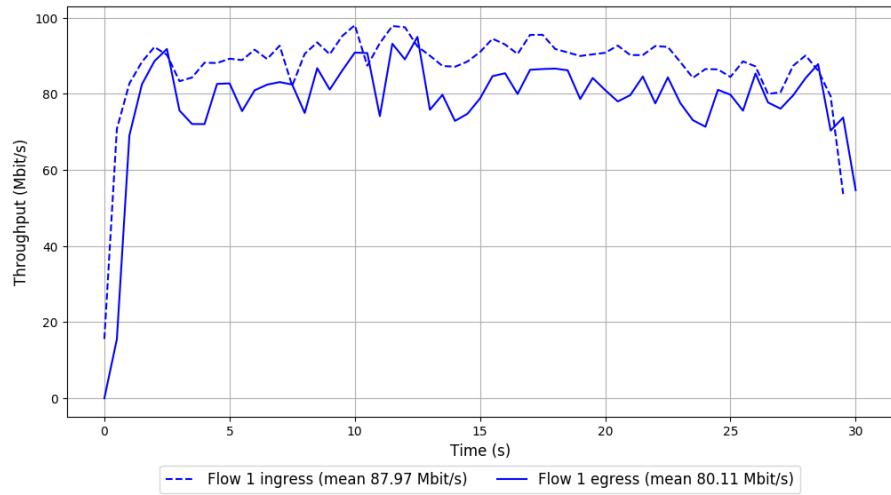


Run 3: Statistics of Indigo

```
Start at: 2019-01-24 15:14:20
End at: 2019-01-24 15:14:50
Local clock offset: 0.832 ms
Remote clock offset: -2.069 ms

# Below is generated by plot.py at 2019-01-24 16:32:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.11 Mbit/s
95th percentile per-packet one-way delay: 9.529 ms
Loss rate: 8.95%
-- Flow 1:
Average throughput: 80.11 Mbit/s
95th percentile per-packet one-way delay: 9.529 ms
Loss rate: 8.95%
```

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

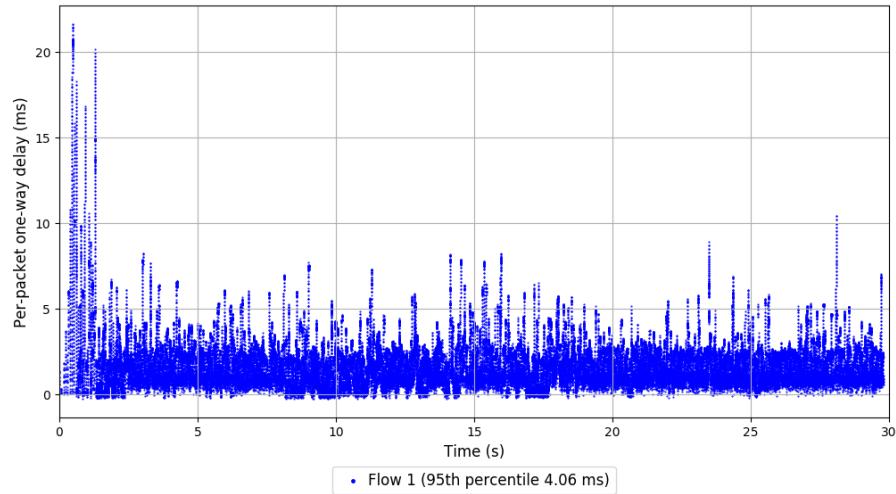
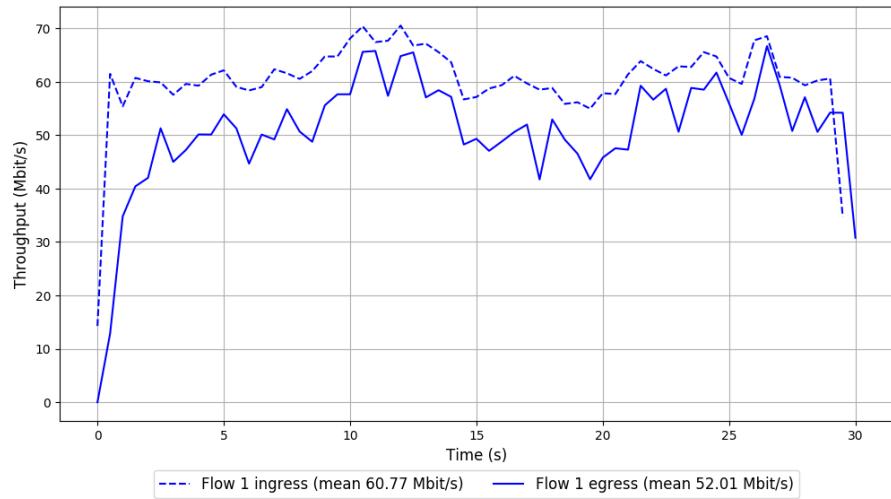


Run 4: Statistics of Indigo

```
Start at: 2019-01-24 15:40:00
End at: 2019-01-24 15:40:30
Local clock offset: 3.951 ms
Remote clock offset: -4.372 ms

# Below is generated by plot.py at 2019-01-24 16:32:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.01 Mbit/s
95th percentile per-packet one-way delay: 4.063 ms
Loss rate: 14.42%
-- Flow 1:
Average throughput: 52.01 Mbit/s
95th percentile per-packet one-way delay: 4.063 ms
Loss rate: 14.42%
```

## Run 4: Report of Indigo — Data Link

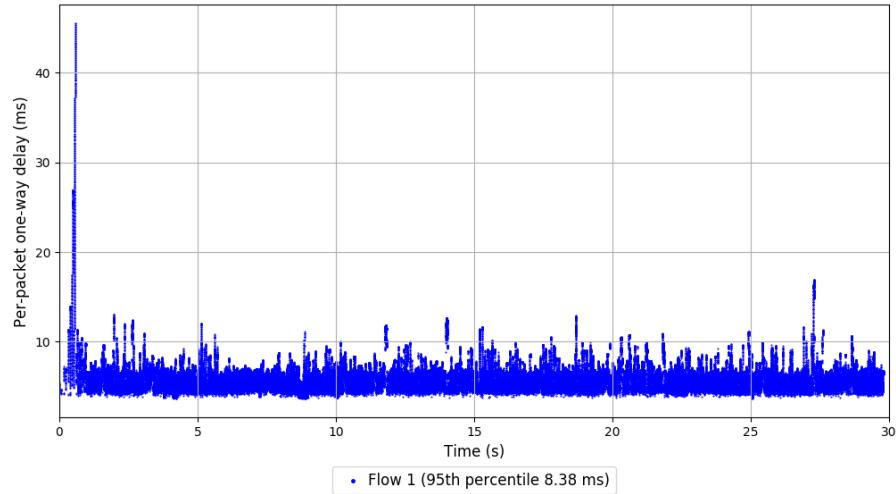
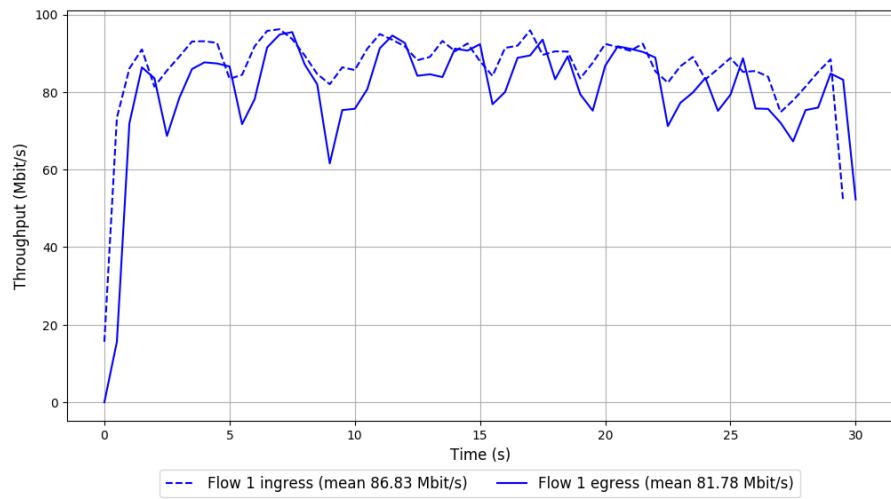


Run 5: Statistics of Indigo

```
Start at: 2019-01-24 16:06:16
End at: 2019-01-24 16:06:46
Local clock offset: 2.516 ms
Remote clock offset: -1.532 ms

# Below is generated by plot.py at 2019-01-24 16:32:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.78 Mbit/s
95th percentile per-packet one-way delay: 8.385 ms
Loss rate: 5.81%
-- Flow 1:
Average throughput: 81.78 Mbit/s
95th percentile per-packet one-way delay: 8.385 ms
Loss rate: 5.81%
```

## Run 5: Report of Indigo — Data Link

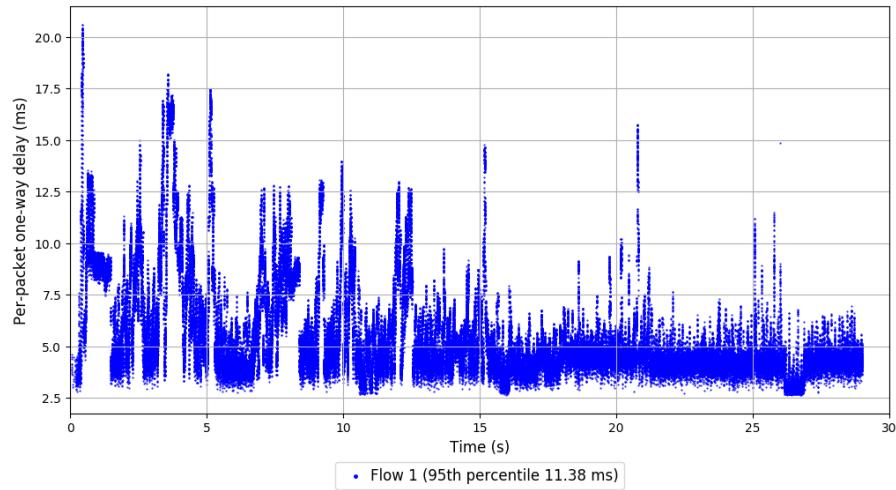
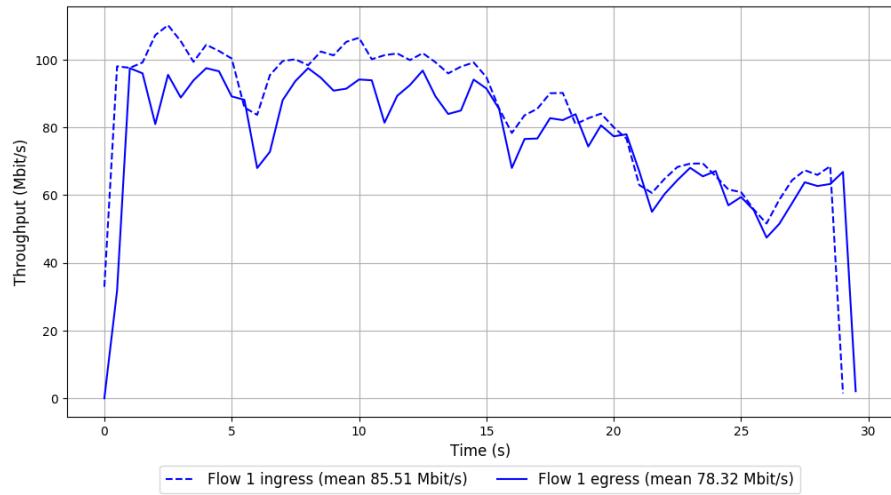


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-01-24 14:45:04
End at: 2019-01-24 14:45:34
Local clock offset: 2.096 ms
Remote clock offset: -4.254 ms

# Below is generated by plot.py at 2019-01-24 16:32:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.32 Mbit/s
95th percentile per-packet one-way delay: 11.380 ms
Loss rate: 8.42%
-- Flow 1:
Average throughput: 78.32 Mbit/s
95th percentile per-packet one-way delay: 11.380 ms
Loss rate: 8.42%
```

## Run 1: Report of Indigo-MusesC3 — Data Link

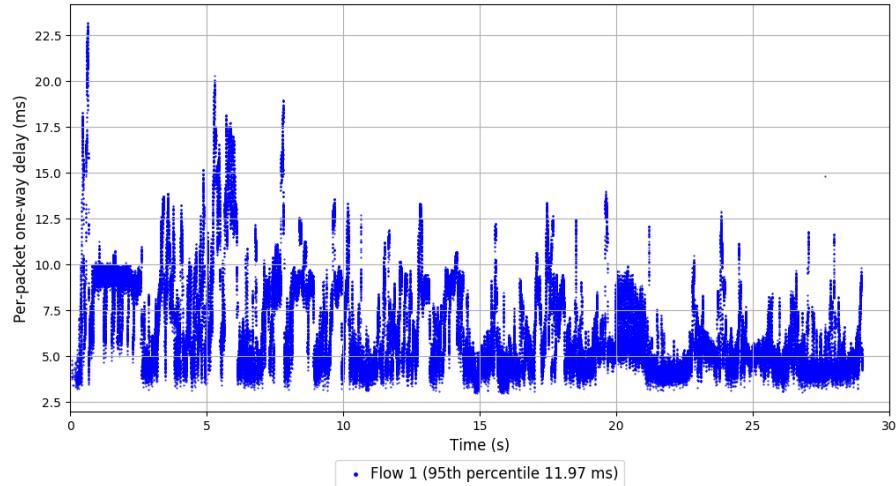
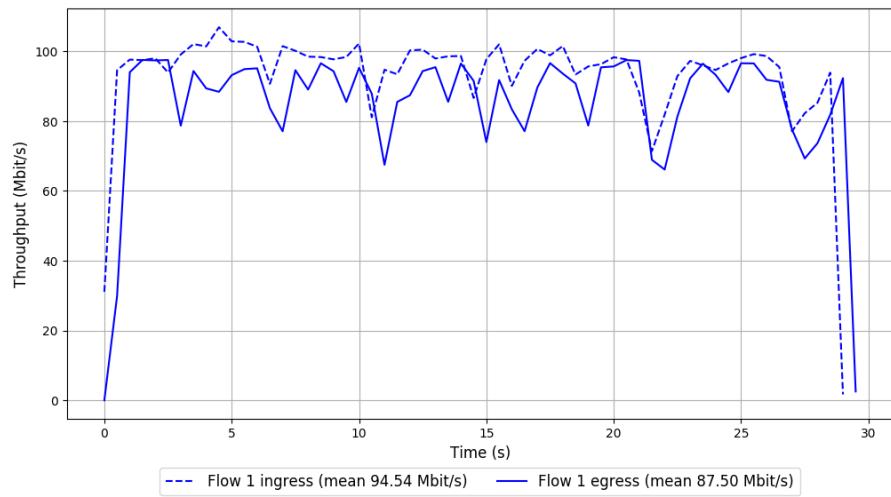


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-01-24 15:10:48
End at: 2019-01-24 15:11:18
Local clock offset: 2.645 ms
Remote clock offset: -2.053 ms

# Below is generated by plot.py at 2019-01-24 16:33:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 11.972 ms
Loss rate: 7.45%
-- Flow 1:
Average throughput: 87.50 Mbit/s
95th percentile per-packet one-way delay: 11.972 ms
Loss rate: 7.45%
```

## Run 2: Report of Indigo-MusesC3 — Data Link

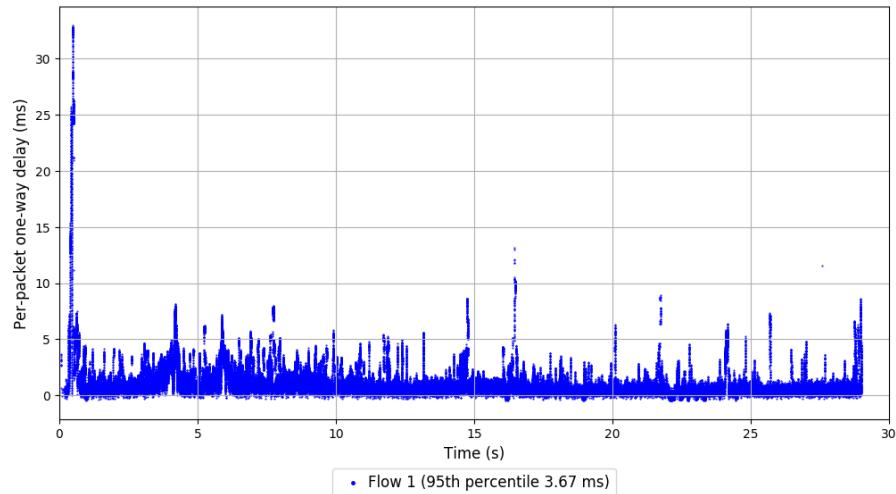
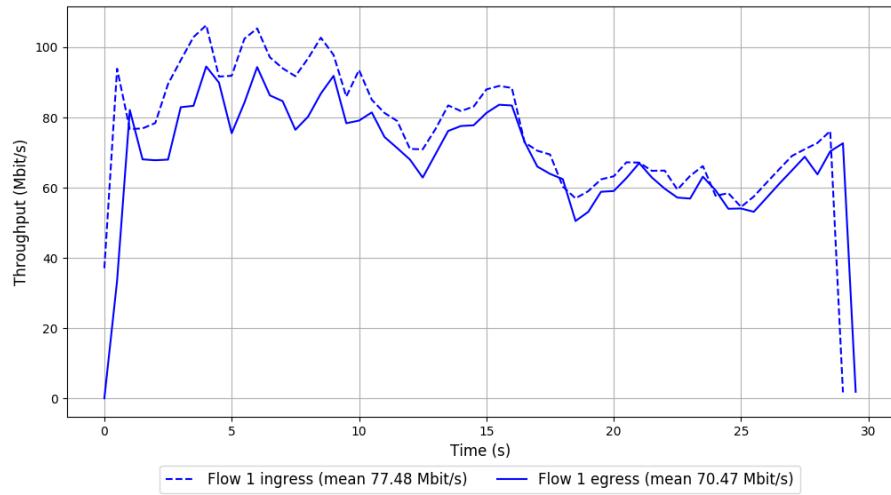


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-01-24 15:36:24
End at: 2019-01-24 15:36:54
Local clock offset: 3.51 ms
Remote clock offset: -4.798 ms

# Below is generated by plot.py at 2019-01-24 16:33:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.47 Mbit/s
95th percentile per-packet one-way delay: 3.670 ms
Loss rate: 9.04%
-- Flow 1:
Average throughput: 70.47 Mbit/s
95th percentile per-packet one-way delay: 3.670 ms
Loss rate: 9.04%
```

### Run 3: Report of Indigo-MusesC3 — Data Link

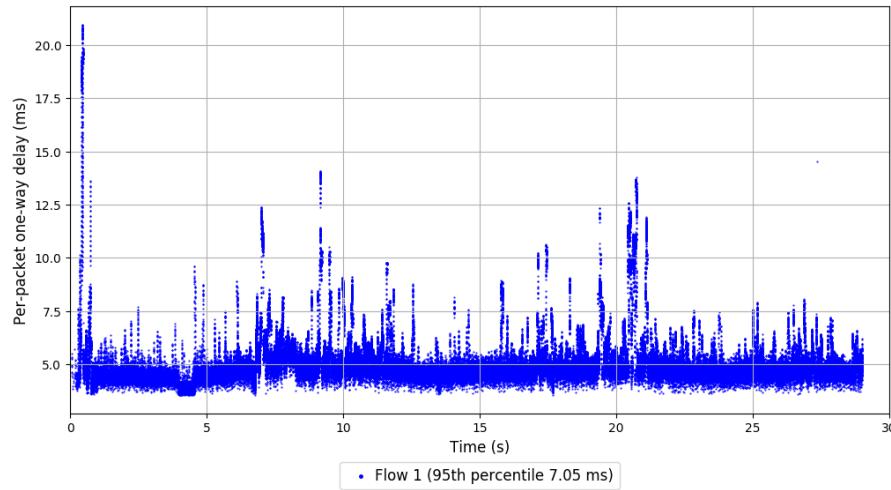
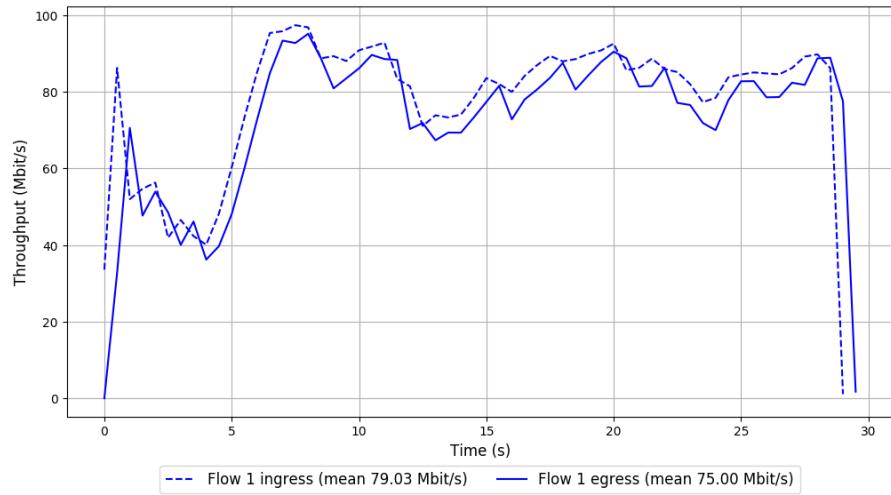


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-01-24 16:02:44
End at: 2019-01-24 16:03:14
Local clock offset: 1.982 ms
Remote clock offset: -2.655 ms

# Below is generated by plot.py at 2019-01-24 16:33:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.00 Mbit/s
95th percentile per-packet one-way delay: 7.048 ms
Loss rate: 5.10%
-- Flow 1:
Average throughput: 75.00 Mbit/s
95th percentile per-packet one-way delay: 7.048 ms
Loss rate: 5.10%
```

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

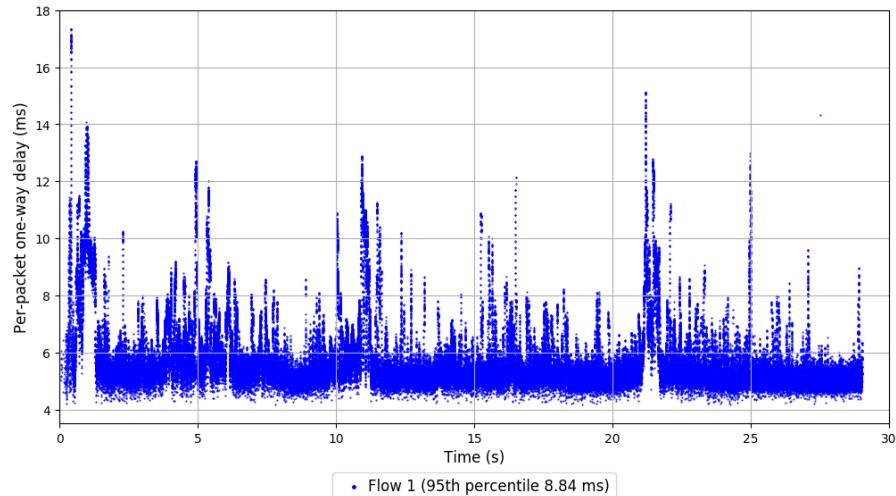
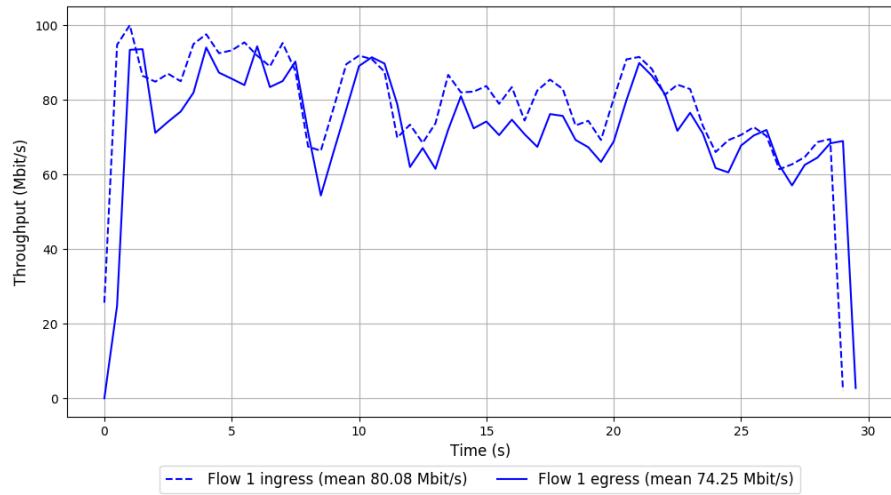


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-01-24 16:27:47
End at: 2019-01-24 16:28:17
Local clock offset: -0.067 ms
Remote clock offset: -3.082 ms

# Below is generated by plot.py at 2019-01-24 16:33:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.25 Mbit/s
95th percentile per-packet one-way delay: 8.836 ms
Loss rate: 7.29%
-- Flow 1:
Average throughput: 74.25 Mbit/s
95th percentile per-packet one-way delay: 8.836 ms
Loss rate: 7.29%
```

## Run 5: Report of Indigo-MusesC3 — Data Link

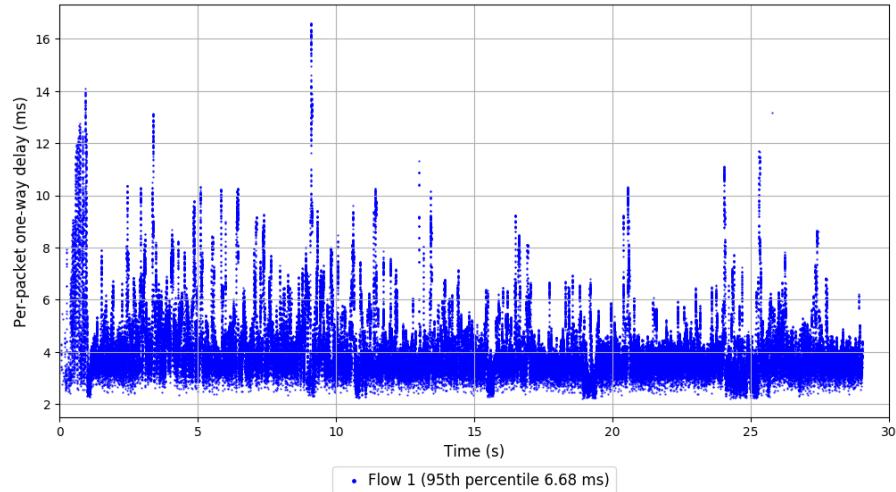
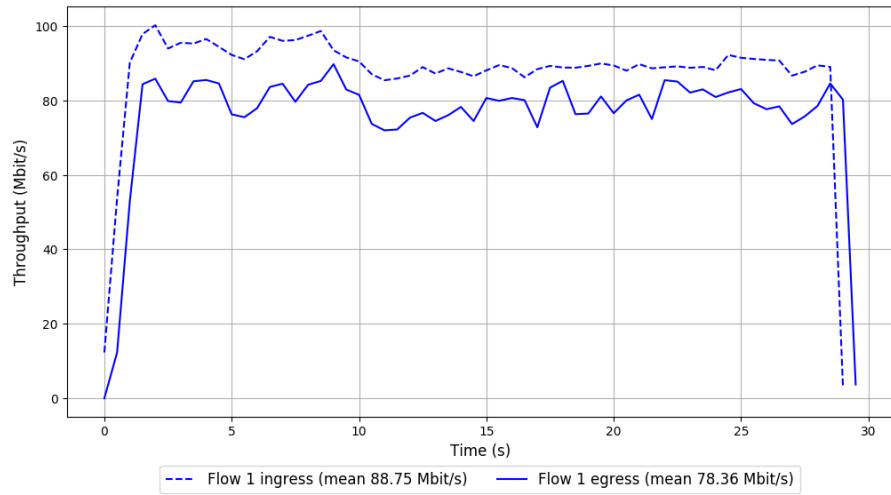


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-01-24 14:40:08
End at: 2019-01-24 14:40:38
Local clock offset: 2.681 ms
Remote clock offset: -4.405 ms

# Below is generated by plot.py at 2019-01-24 16:33:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.36 Mbit/s
95th percentile per-packet one-way delay: 6.682 ms
Loss rate: 11.71%
-- Flow 1:
Average throughput: 78.36 Mbit/s
95th percentile per-packet one-way delay: 6.682 ms
Loss rate: 11.71%
```

## Run 1: Report of Indigo-MusesC5 — Data Link

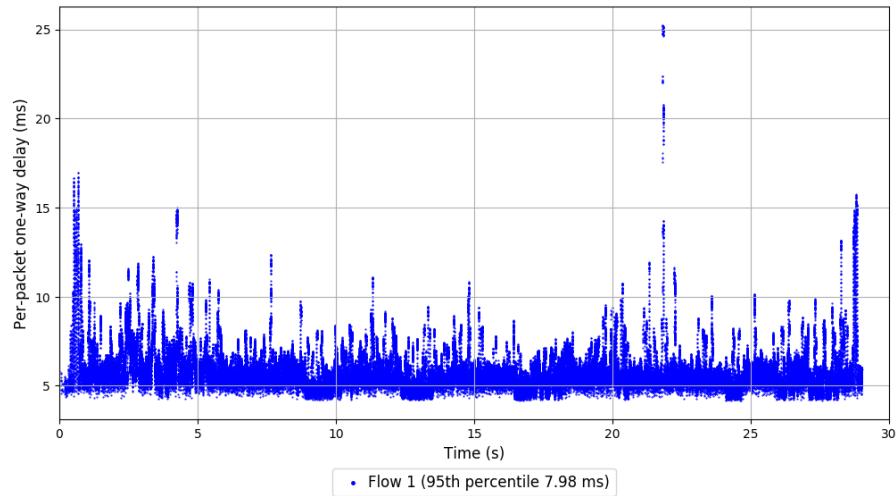
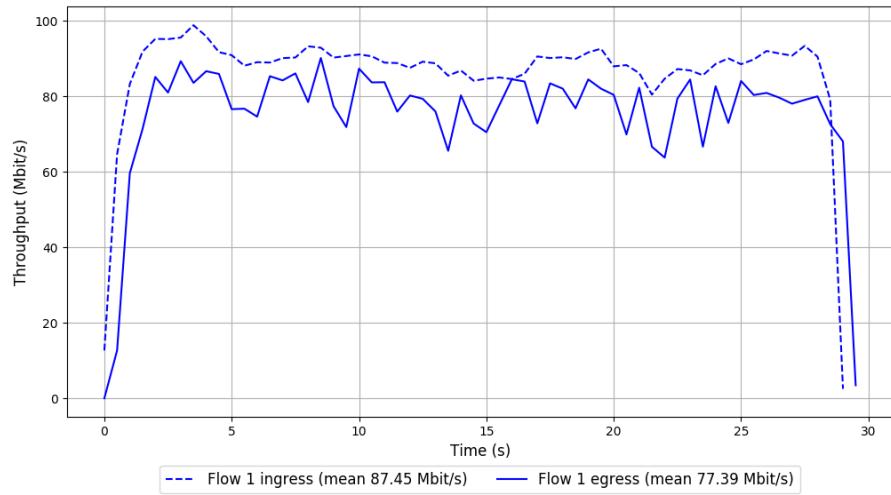


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-01-24 15:05:56
End at: 2019-01-24 15:06:26
Local clock offset: 1.346 ms
Remote clock offset: -2.62 ms

# Below is generated by plot.py at 2019-01-24 16:33:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.39 Mbit/s
95th percentile per-packet one-way delay: 7.984 ms
Loss rate: 11.51%
-- Flow 1:
Average throughput: 77.39 Mbit/s
95th percentile per-packet one-way delay: 7.984 ms
Loss rate: 11.51%
```

## Run 2: Report of Indigo-MusesC5 — Data Link

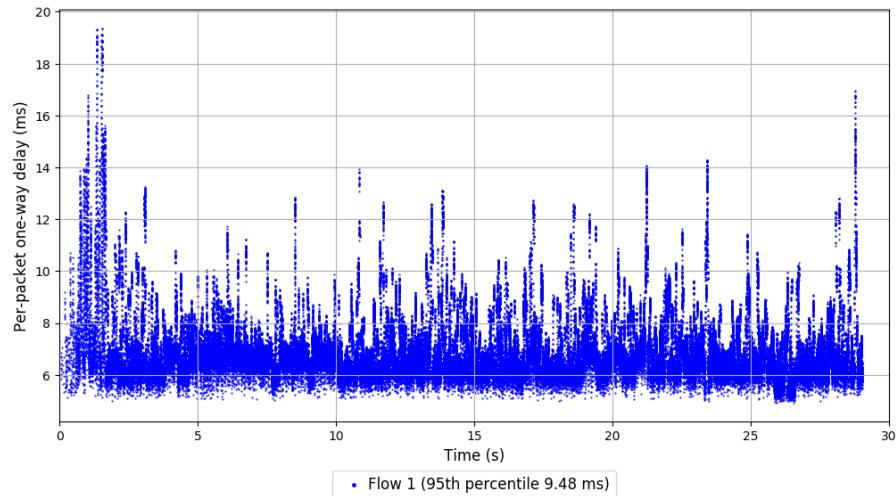
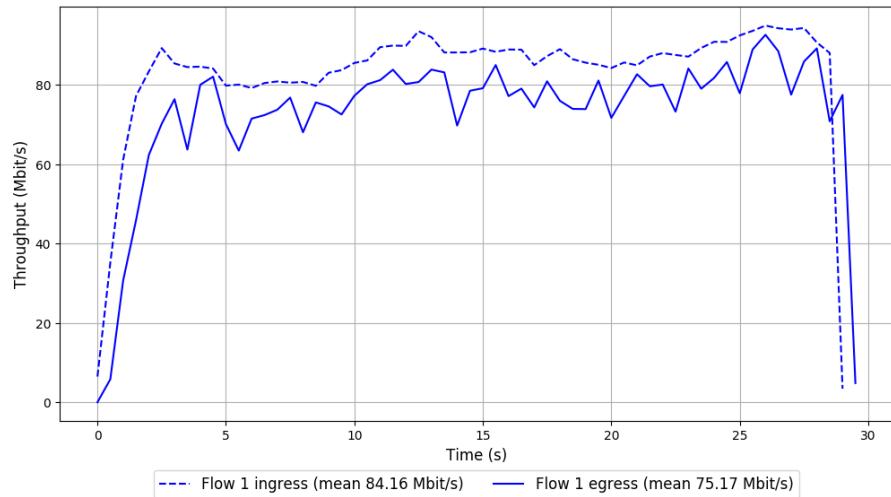


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-01-24 15:31:14
End at: 2019-01-24 15:31:44
Local clock offset: 0.509 ms
Remote clock offset: -2.002 ms

# Below is generated by plot.py at 2019-01-24 16:33:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.17 Mbit/s
95th percentile per-packet one-way delay: 9.484 ms
Loss rate: 10.68%
-- Flow 1:
Average throughput: 75.17 Mbit/s
95th percentile per-packet one-way delay: 9.484 ms
Loss rate: 10.68%
```

### Run 3: Report of Indigo-MusesC5 — Data Link

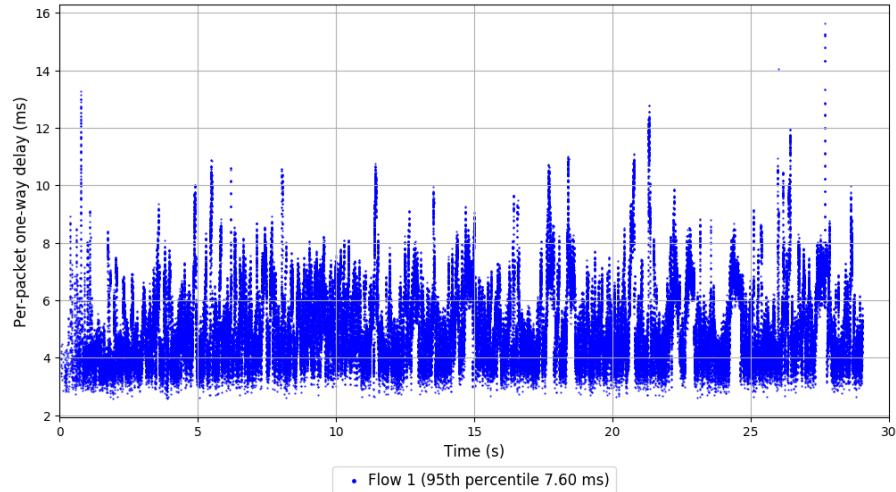
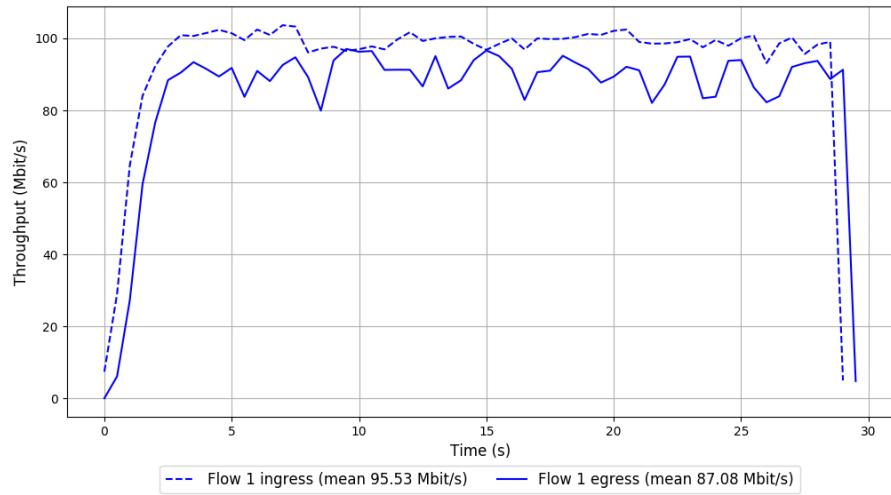


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-01-24 15:57:37
End at: 2019-01-24 15:58:07
Local clock offset: 3.435 ms
Remote clock offset: -2.803 ms

# Below is generated by plot.py at 2019-01-24 16:33:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.08 Mbit/s
95th percentile per-packet one-way delay: 7.601 ms
Loss rate: 8.85%
-- Flow 1:
Average throughput: 87.08 Mbit/s
95th percentile per-packet one-way delay: 7.601 ms
Loss rate: 8.85%
```

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

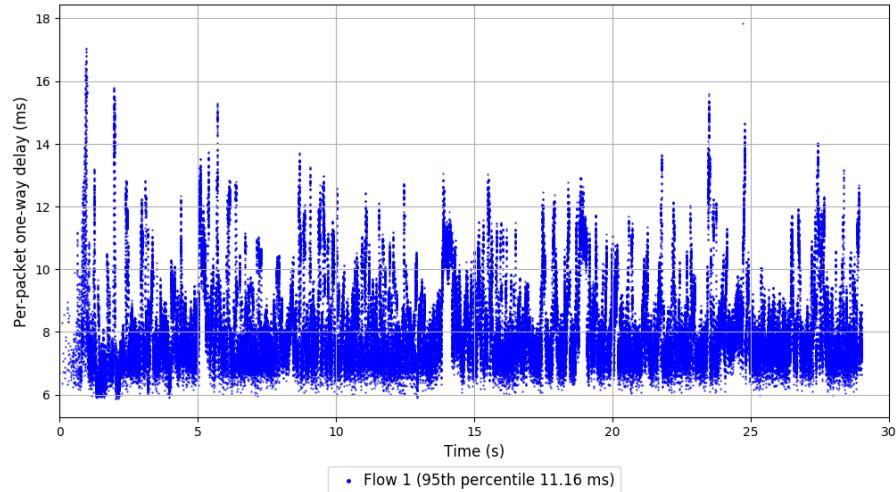
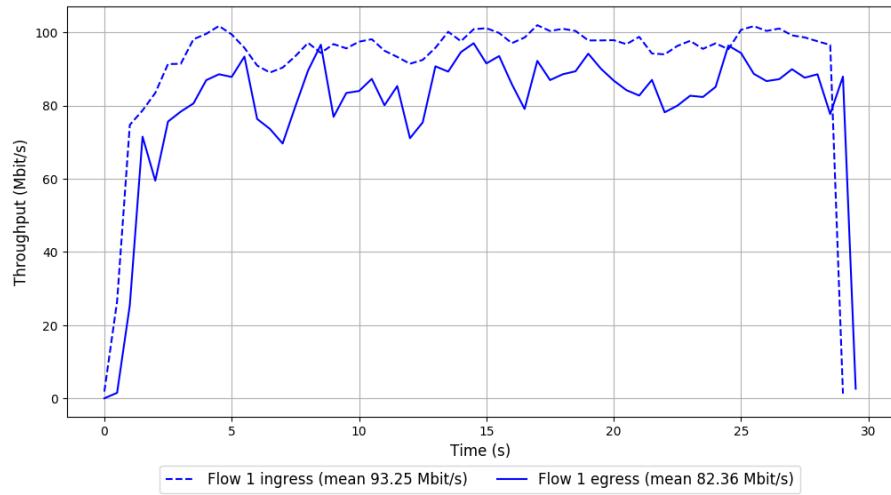


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-01-24 16:23:11
End at: 2019-01-24 16:23:41
Local clock offset: -1.282 ms
Remote clock offset: -2.625 ms

# Below is generated by plot.py at 2019-01-24 16:34:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.36 Mbit/s
95th percentile per-packet one-way delay: 11.157 ms
Loss rate: 11.67%
-- Flow 1:
Average throughput: 82.36 Mbit/s
95th percentile per-packet one-way delay: 11.157 ms
Loss rate: 11.67%
```

## Run 5: Report of Indigo-MusesC5 — Data Link

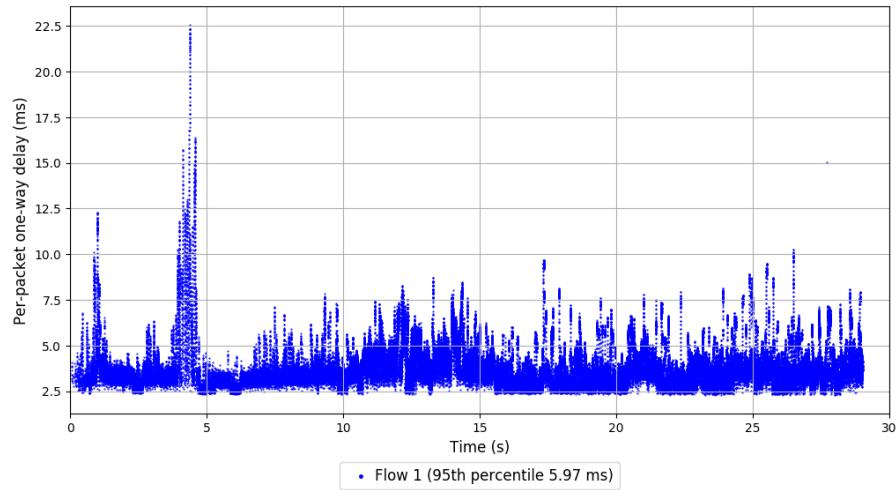
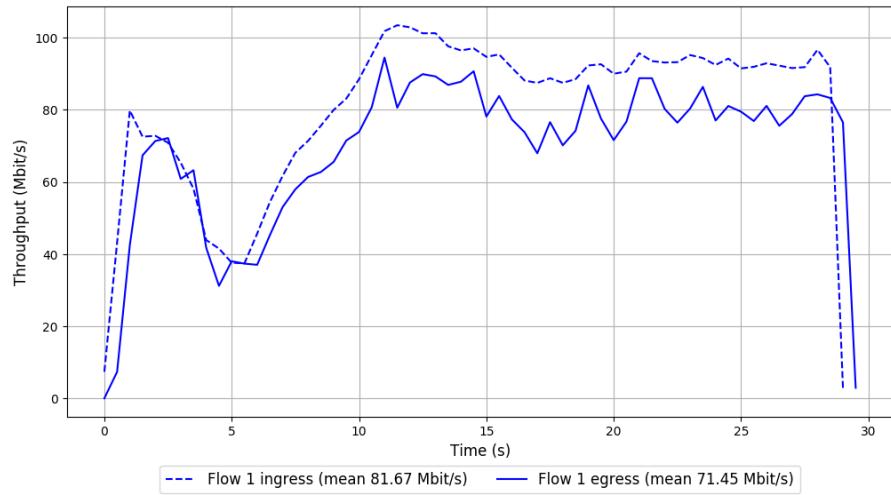


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-01-24 14:30:17
End at: 2019-01-24 14:30:47
Local clock offset: 4.411 ms
Remote clock offset: -3.609 ms

# Below is generated by plot.py at 2019-01-24 16:34:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.45 Mbit/s
95th percentile per-packet one-way delay: 5.973 ms
Loss rate: 12.51%
-- Flow 1:
Average throughput: 71.45 Mbit/s
95th percentile per-packet one-way delay: 5.973 ms
Loss rate: 12.51%
```

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

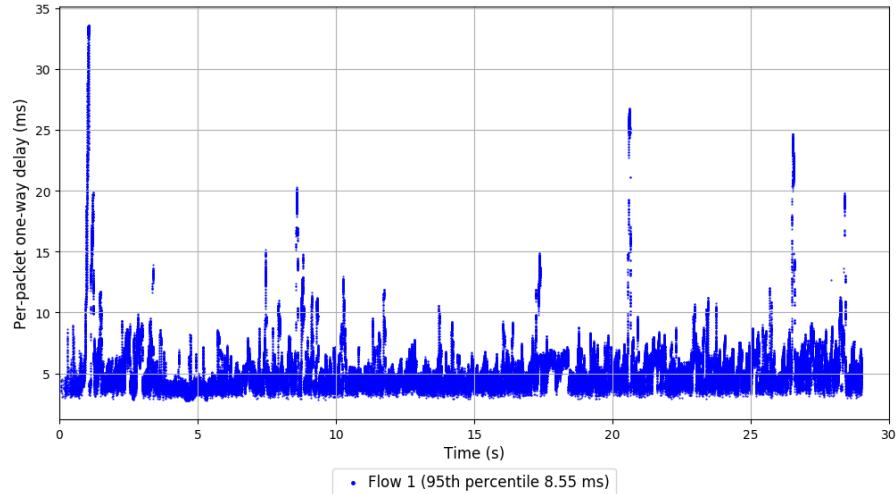
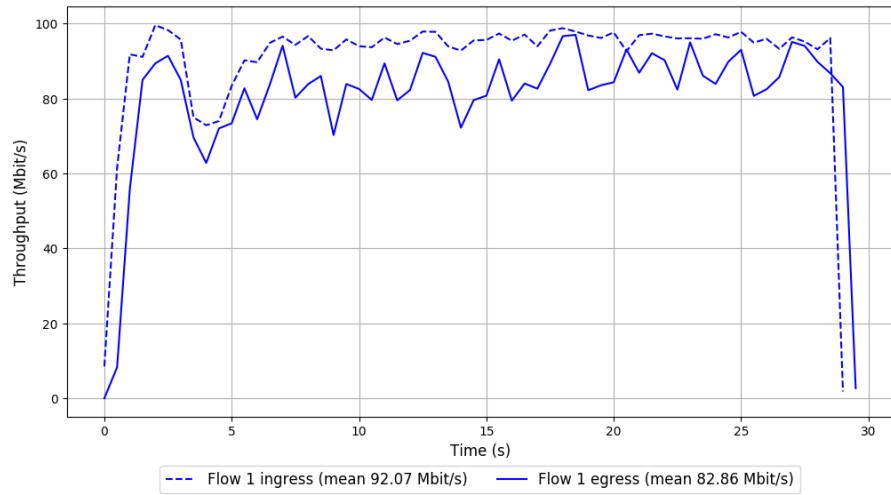


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-01-24 14:56:18
End at: 2019-01-24 14:56:49
Local clock offset: 4.281 ms
Remote clock offset: -2.206 ms

# Below is generated by plot.py at 2019-01-24 16:34:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.86 Mbit/s
95th percentile per-packet one-way delay: 8.548 ms
Loss rate: 10.00%
-- Flow 1:
Average throughput: 82.86 Mbit/s
95th percentile per-packet one-way delay: 8.548 ms
Loss rate: 10.00%
```

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

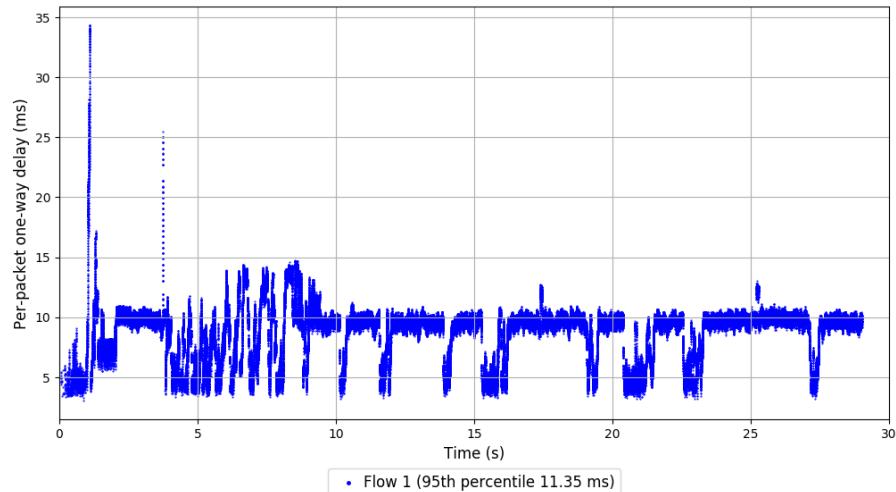
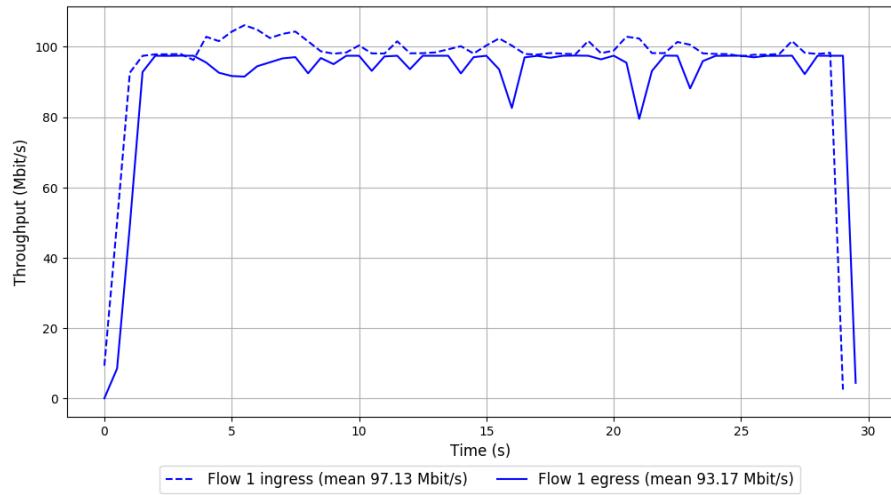


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-01-24 15:21:21
End at: 2019-01-24 15:21:51
Local clock offset: 1.264 ms
Remote clock offset: -3.007 ms

# Below is generated by plot.py at 2019-01-24 16:34:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 11.354 ms
Loss rate: 4.06%
-- Flow 1:
Average throughput: 93.17 Mbit/s
95th percentile per-packet one-way delay: 11.354 ms
Loss rate: 4.06%
```

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

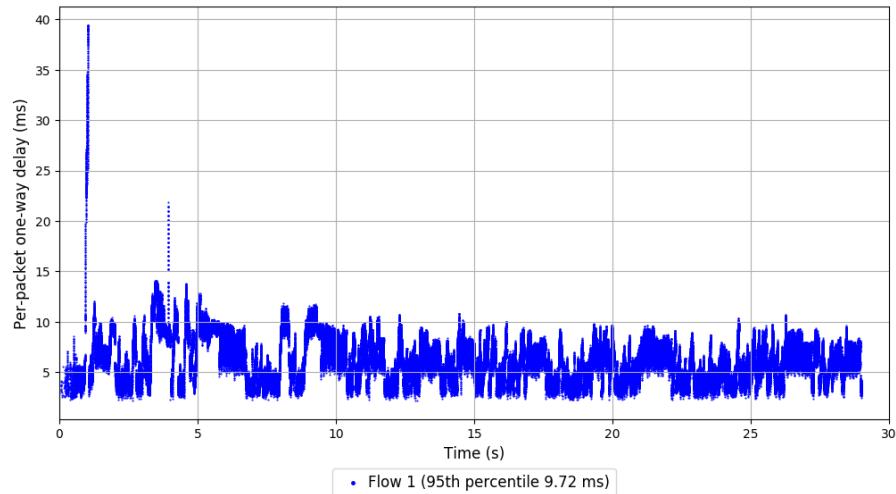
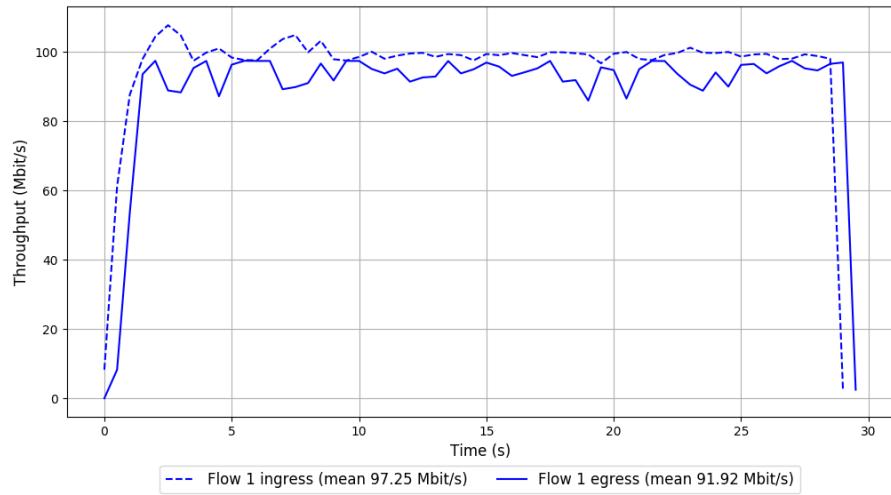


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-01-24 15:47:29
End at: 2019-01-24 15:47:59
Local clock offset: 1.956 ms
Remote clock offset: -4.453 ms

# Below is generated by plot.py at 2019-01-24 16:34:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: 9.723 ms
Loss rate: 5.47%
-- Flow 1:
Average throughput: 91.92 Mbit/s
95th percentile per-packet one-way delay: 9.723 ms
Loss rate: 5.47%
```

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

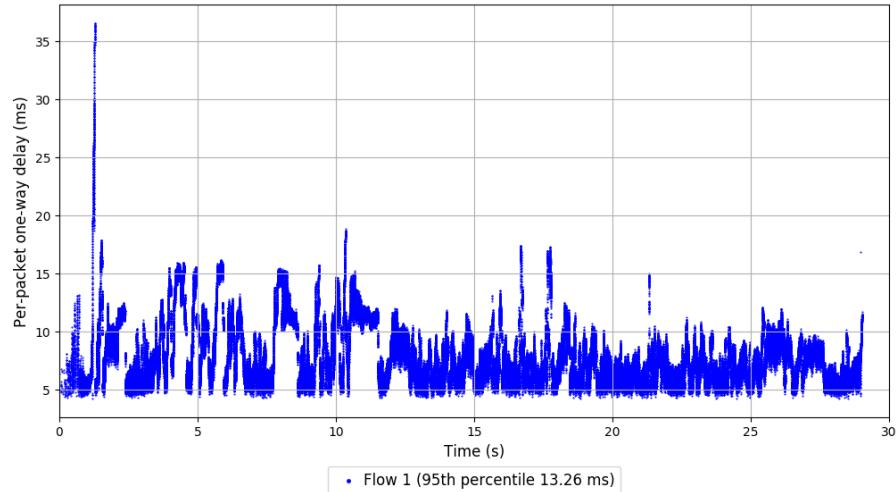
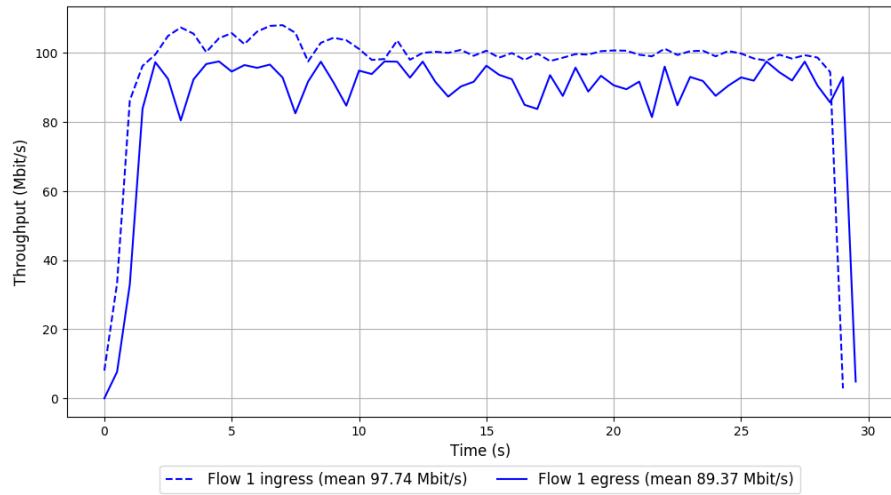


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-01-24 16:13:44
End at: 2019-01-24 16:14:14
Local clock offset: 0.465 ms
Remote clock offset: -2.668 ms

# Below is generated by plot.py at 2019-01-24 16:34:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.37 Mbit/s
95th percentile per-packet one-way delay: 13.263 ms
Loss rate: 8.55%
-- Flow 1:
Average throughput: 89.37 Mbit/s
95th percentile per-packet one-way delay: 13.263 ms
Loss rate: 8.55%
```

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

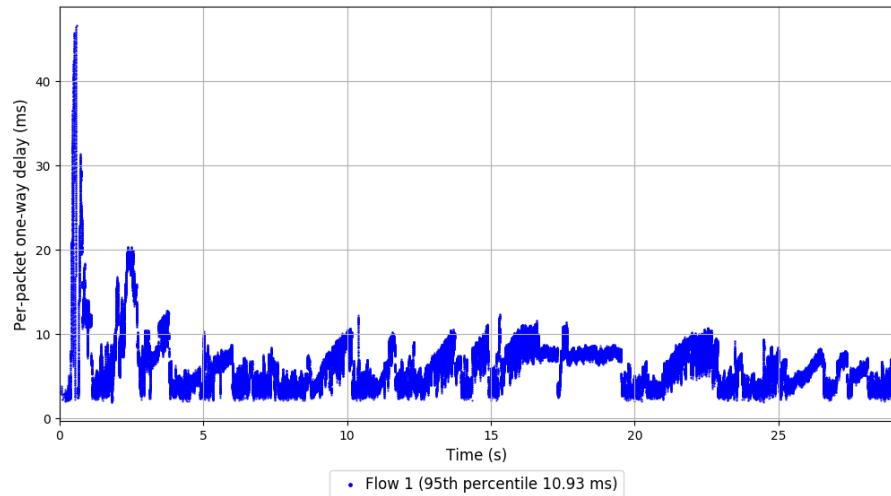
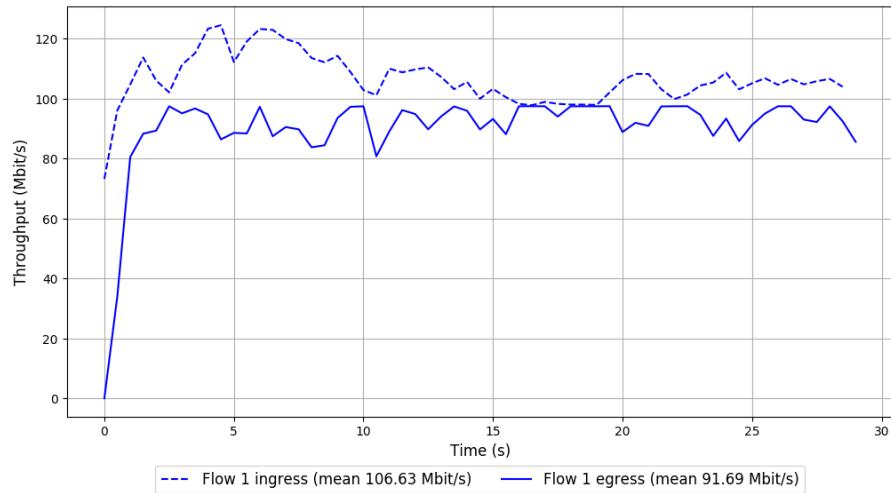


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-01-24 14:42:33
End at: 2019-01-24 14:43:03
Local clock offset: 4.104 ms
Remote clock offset: -3.109 ms

# Below is generated by plot.py at 2019-01-24 16:34:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.69 Mbit/s
95th percentile per-packet one-way delay: 10.926 ms
Loss rate: 14.01%
-- Flow 1:
Average throughput: 91.69 Mbit/s
95th percentile per-packet one-way delay: 10.926 ms
Loss rate: 14.01%
```

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

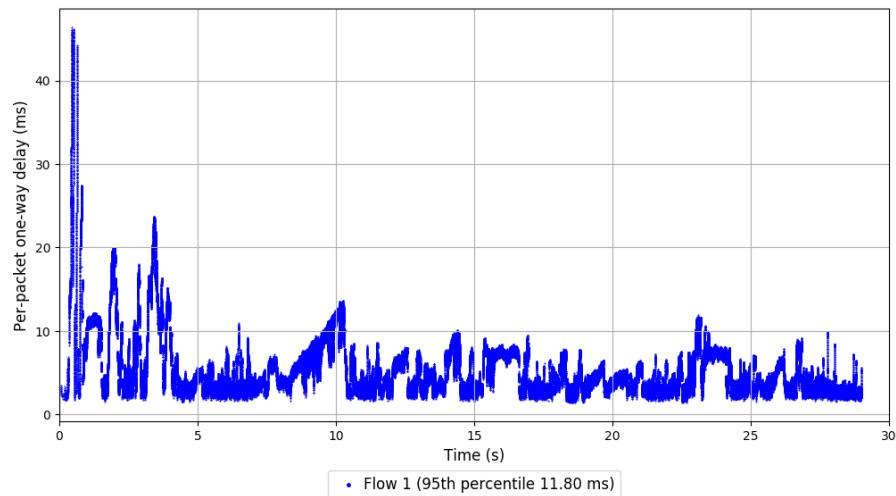
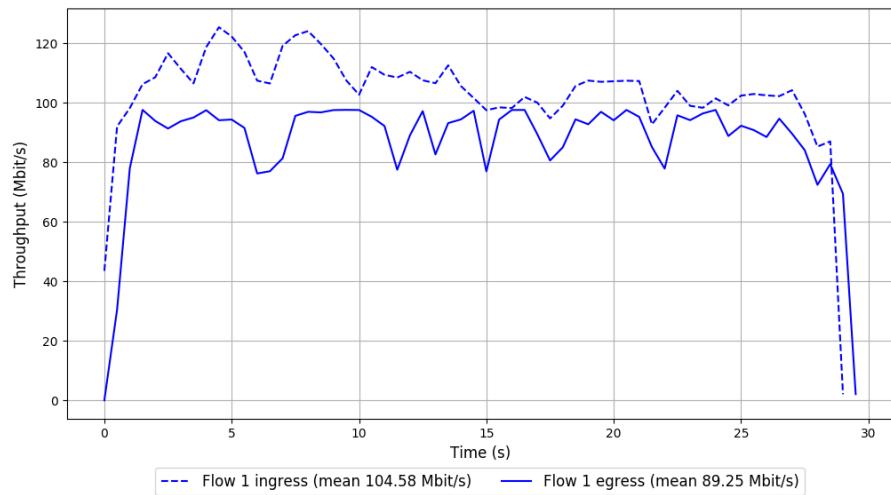


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-01-24 15:08:17
End at: 2019-01-24 15:08:47
Local clock offset: 1.62 ms
Remote clock offset: -4.763 ms

# Below is generated by plot.py at 2019-01-24 16:34:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 11.799 ms
Loss rate: 14.66%
-- Flow 1:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 11.799 ms
Loss rate: 14.66%
```

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

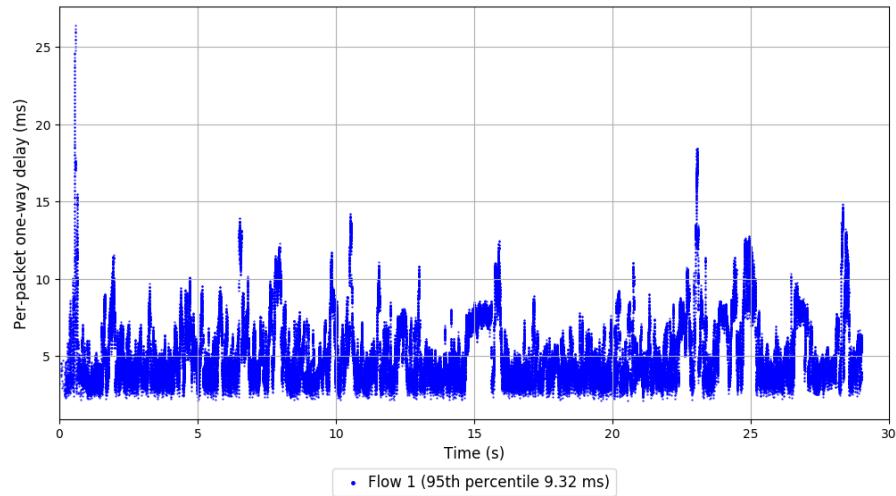
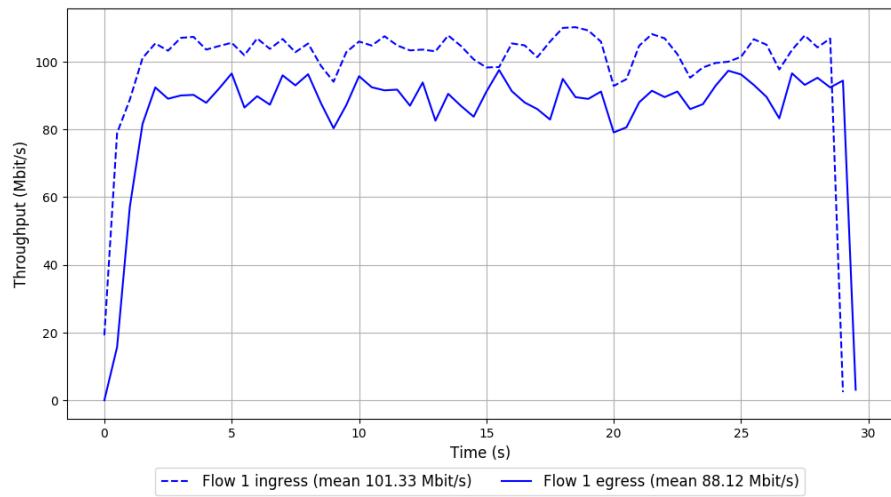


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-01-24 15:33:50
End at: 2019-01-24 15:34:20
Local clock offset: 1.422 ms
Remote clock offset: -4.277 ms

# Below is generated by plot.py at 2019-01-24 16:35:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: 9.322 ms
Loss rate: 13.04%
-- Flow 1:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: 9.322 ms
Loss rate: 13.04%
```

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

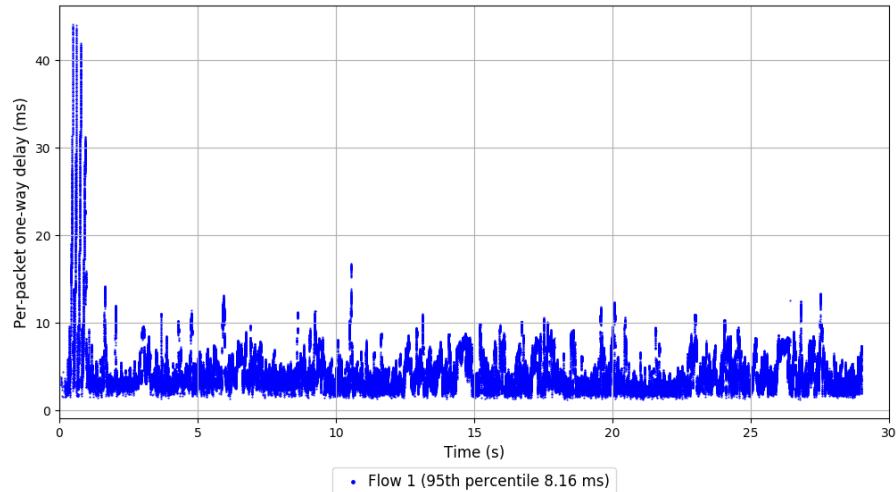
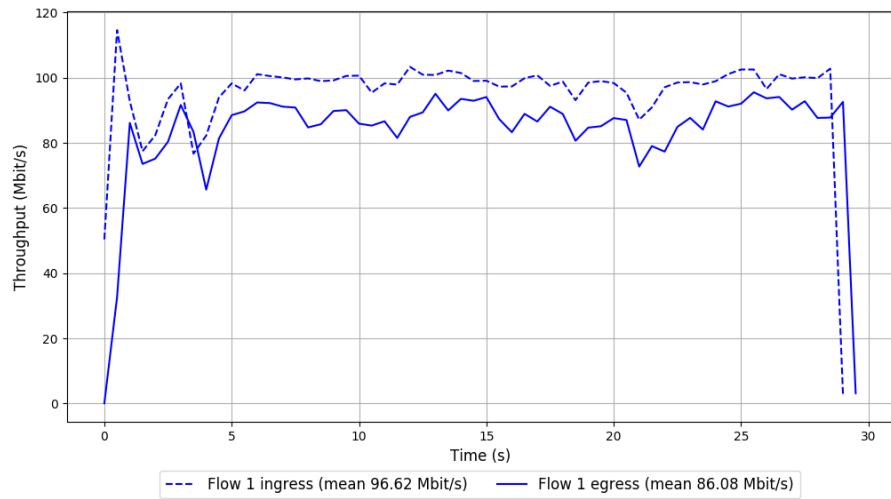


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-01-24 16:00:16
End at: 2019-01-24 16:00:46
Local clock offset: 3.759 ms
Remote clock offset: -3.636 ms

# Below is generated by plot.py at 2019-01-24 16:35:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.08 Mbit/s
95th percentile per-packet one-way delay: 8.165 ms
Loss rate: 10.92%
-- Flow 1:
Average throughput: 86.08 Mbit/s
95th percentile per-packet one-way delay: 8.165 ms
Loss rate: 10.92%
```

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

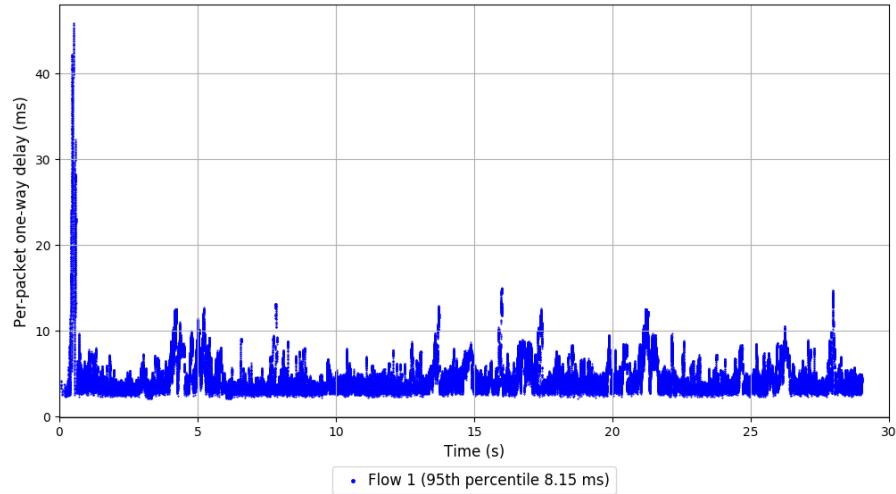
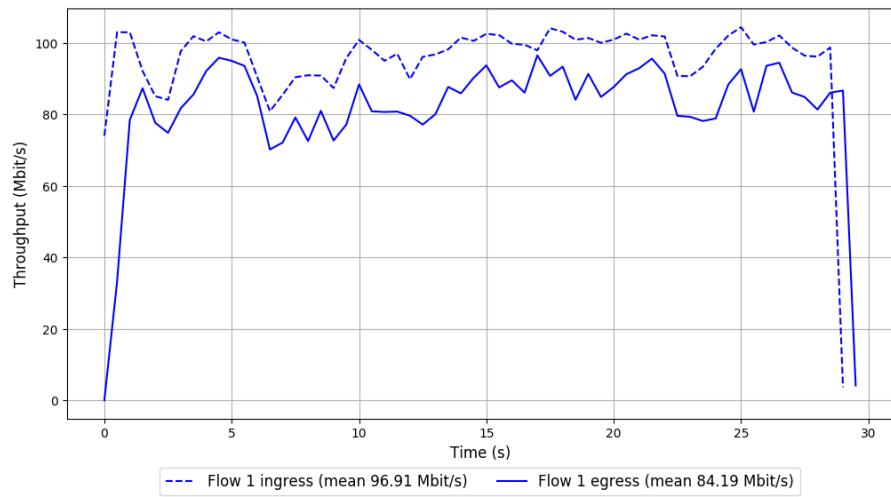


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-01-24 16:25:30
End at: 2019-01-24 16:26:00
Local clock offset: -0.782 ms
Remote clock offset: -5.826 ms

# Below is generated by plot.py at 2019-01-24 16:35:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.19 Mbit/s
95th percentile per-packet one-way delay: 8.149 ms
Loss rate: 13.12%
-- Flow 1:
Average throughput: 84.19 Mbit/s
95th percentile per-packet one-way delay: 8.149 ms
Loss rate: 13.12%
```

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

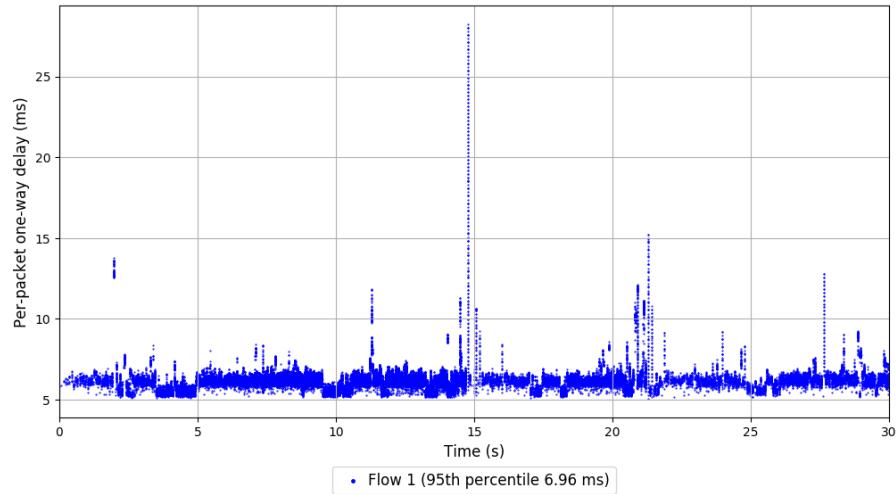
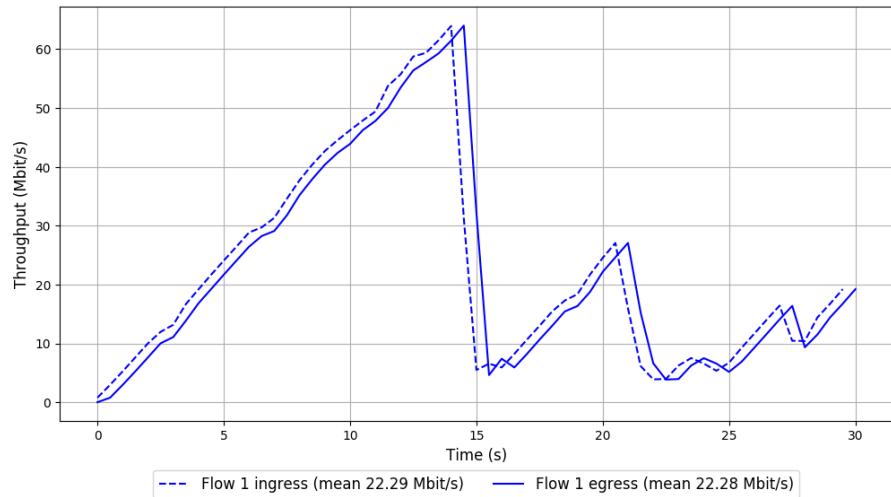


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2019-01-24 14:25:40
End at: 2019-01-24 14:26:10
Local clock offset: 2.964 ms
Remote clock offset: -2.182 ms

# Below is generated by plot.py at 2019-01-24 16:35:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.28 Mbit/s
95th percentile per-packet one-way delay: 6.963 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 22.28 Mbit/s
95th percentile per-packet one-way delay: 6.963 ms
Loss rate: 0.04%
```

Run 1: Report of LEDBAT — Data Link

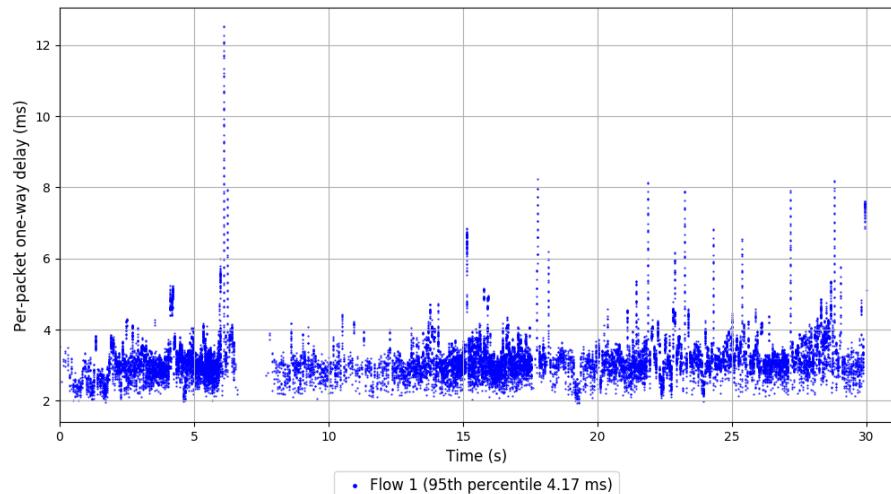
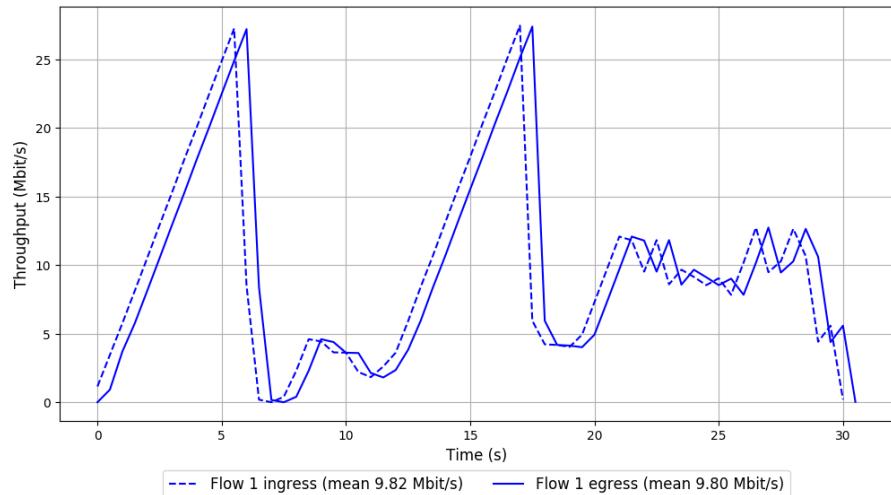


Run 2: Statistics of LEDBAT

```
Start at: 2019-01-24 14:51:28
End at: 2019-01-24 14:51:58
Local clock offset: 4.687 ms
Remote clock offset: -2.616 ms

# Below is generated by plot.py at 2019-01-24 16:35:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.80 Mbit/s
95th percentile per-packet one-way delay: 4.173 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 9.80 Mbit/s
95th percentile per-packet one-way delay: 4.173 ms
Loss rate: 0.16%
```

Run 2: Report of LEDBAT — Data Link

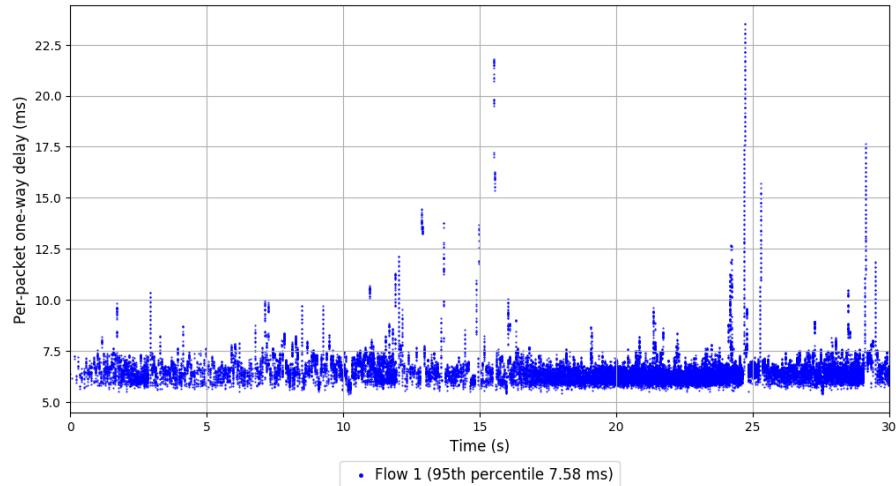
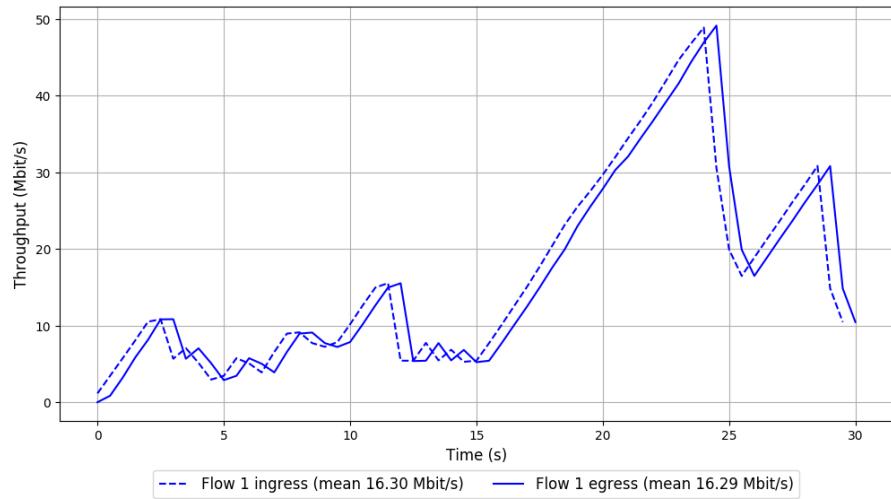


Run 3: Statistics of LEDBAT

```
Start at: 2019-01-24 15:16:40
End at: 2019-01-24 15:17:10
Local clock offset: 0.349 ms
Remote clock offset: -1.705 ms

# Below is generated by plot.py at 2019-01-24 16:35:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.29 Mbit/s
95th percentile per-packet one-way delay: 7.575 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 16.29 Mbit/s
95th percentile per-packet one-way delay: 7.575 ms
Loss rate: 0.06%
```

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

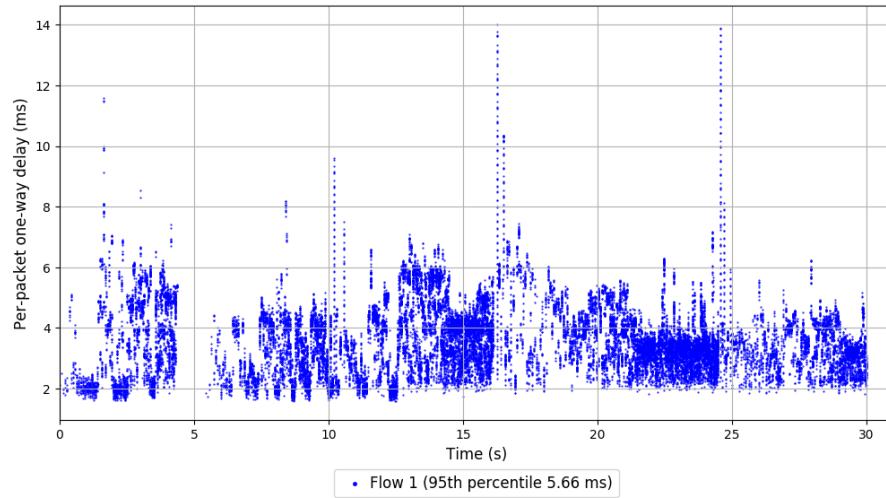
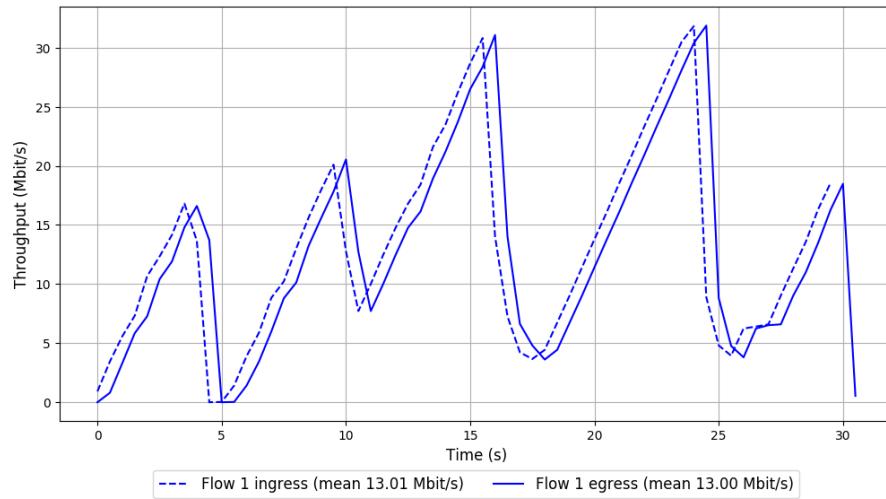


Run 4: Statistics of LEDBAT

```
Start at: 2019-01-24 15:42:37
End at: 2019-01-24 15:43:07
Local clock offset: 3.632 ms
Remote clock offset: -2.965 ms

# Below is generated by plot.py at 2019-01-24 16:35:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.00 Mbit/s
95th percentile per-packet one-way delay: 5.655 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 13.00 Mbit/s
95th percentile per-packet one-way delay: 5.655 ms
Loss rate: 0.08%
```

Run 4: Report of LEDBAT — Data Link

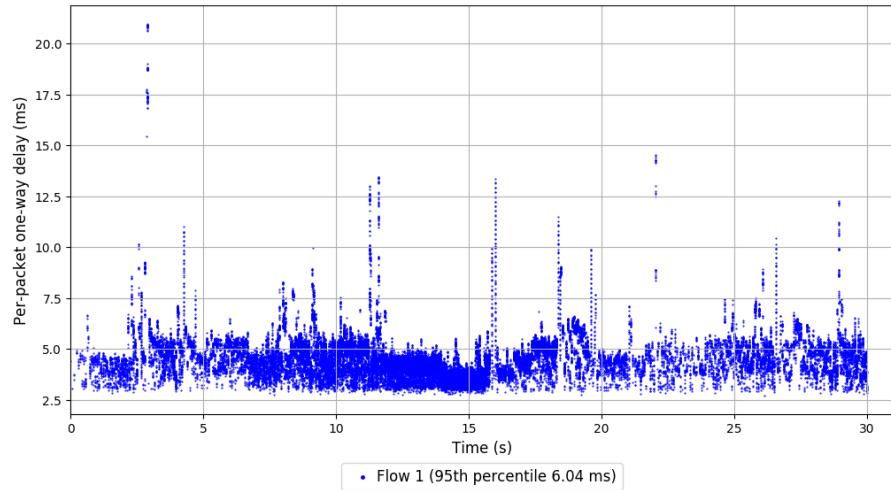
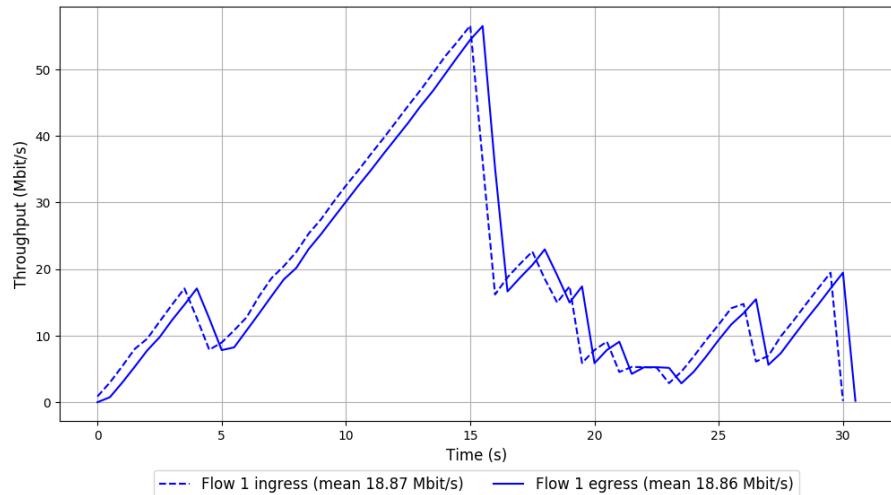


Run 5: Statistics of LEDBAT

```
Start at: 2019-01-24 16:08:49
End at: 2019-01-24 16:09:19
Local clock offset: 1.337 ms
Remote clock offset: -3.607 ms

# Below is generated by plot.py at 2019-01-24 16:35:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.86 Mbit/s
95th percentile per-packet one-way delay: 6.045 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 18.86 Mbit/s
95th percentile per-packet one-way delay: 6.045 ms
Loss rate: 0.07%
```

Run 5: Report of LEDBAT — Data Link

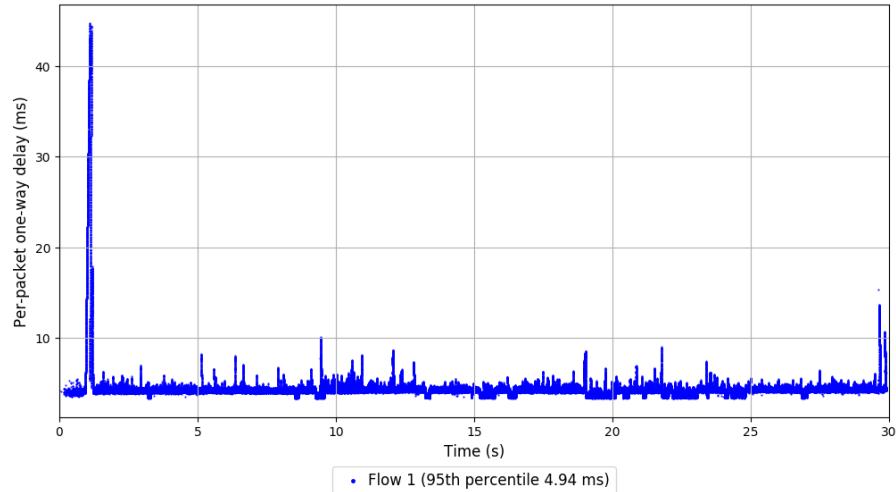
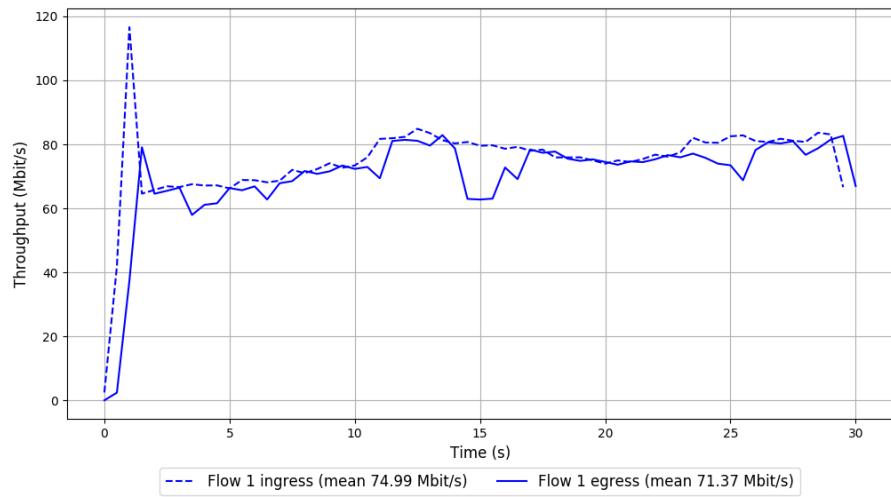


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-01-24 14:22:04
End at: 2019-01-24 14:22:34
Local clock offset: 2.697 ms
Remote clock offset: -4.116 ms

# Below is generated by plot.py at 2019-01-24 16:35:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.37 Mbit/s
95th percentile per-packet one-way delay: 4.940 ms
Loss rate: 4.82%
-- Flow 1:
Average throughput: 71.37 Mbit/s
95th percentile per-packet one-way delay: 4.940 ms
Loss rate: 4.82%
```

Run 1: Report of PCC-Allegro — Data Link

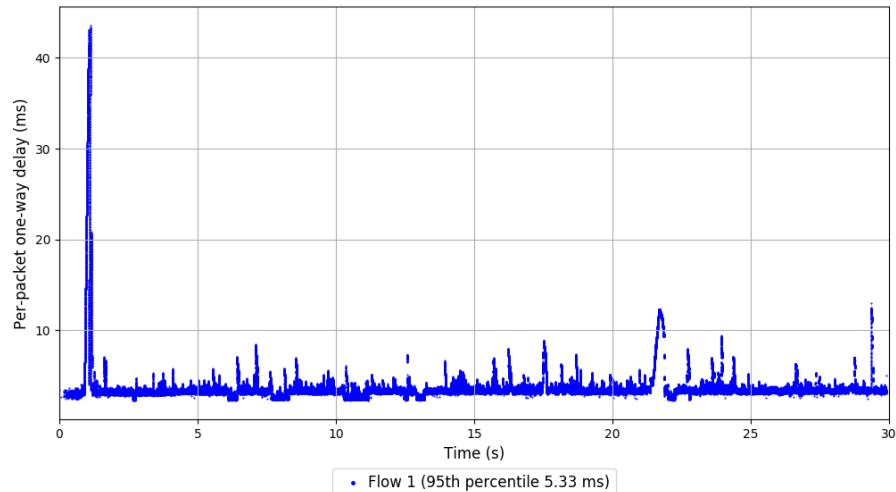
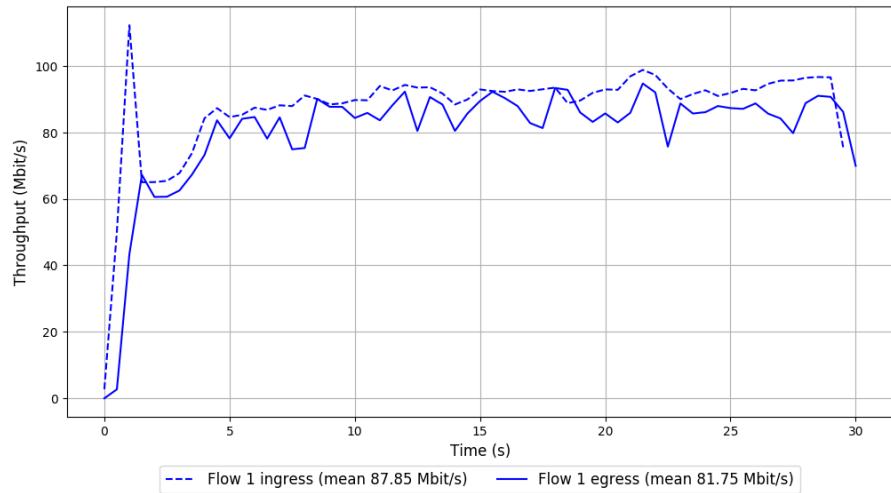


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-01-24 14:47:41
End at: 2019-01-24 14:48:11
Local clock offset: 4.025 ms
Remote clock offset: -2.777 ms

# Below is generated by plot.py at 2019-01-24 16:35:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.75 Mbit/s
95th percentile per-packet one-way delay: 5.331 ms
Loss rate: 6.94%
-- Flow 1:
Average throughput: 81.75 Mbit/s
95th percentile per-packet one-way delay: 5.331 ms
Loss rate: 6.94%
```

Run 2: Report of PCC-Allegro — Data Link

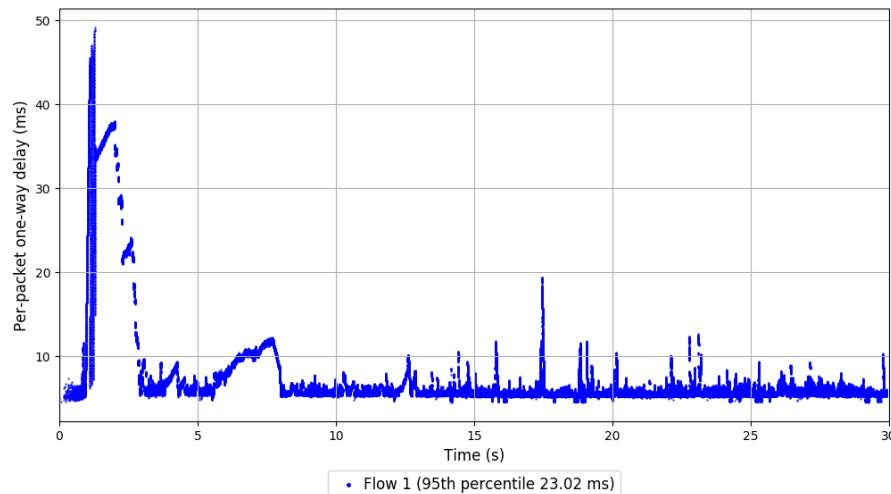
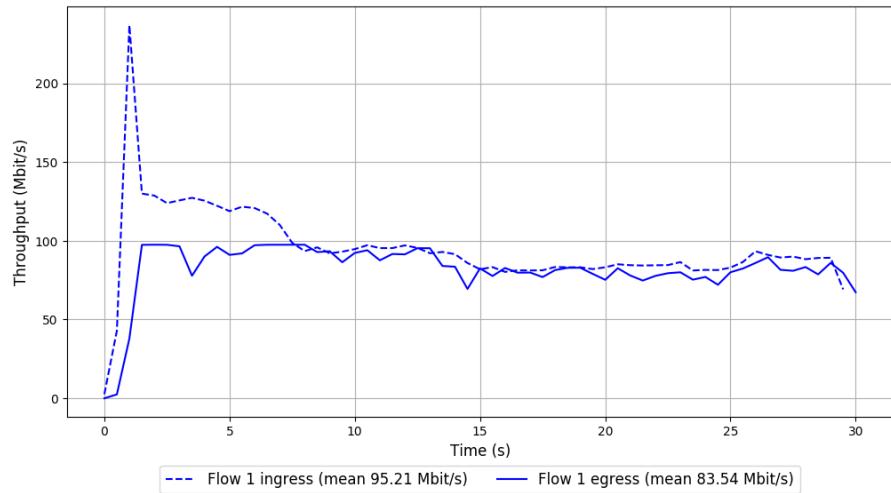


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-01-24 15:13:09
End at: 2019-01-24 15:13:39
Local clock offset: 0.755 ms
Remote clock offset: -2.346 ms

# Below is generated by plot.py at 2019-01-24 16:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.54 Mbit/s
95th percentile per-packet one-way delay: 23.019 ms
Loss rate: 12.26%
-- Flow 1:
Average throughput: 83.54 Mbit/s
95th percentile per-packet one-way delay: 23.019 ms
Loss rate: 12.26%
```

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

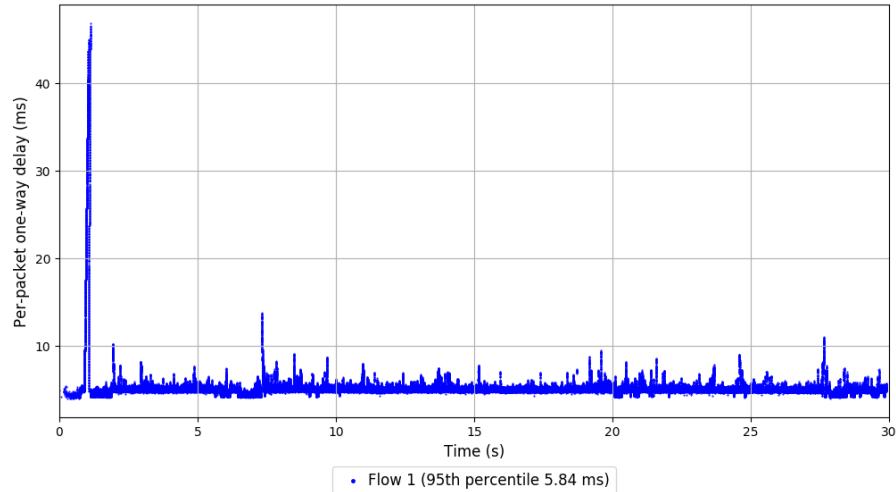
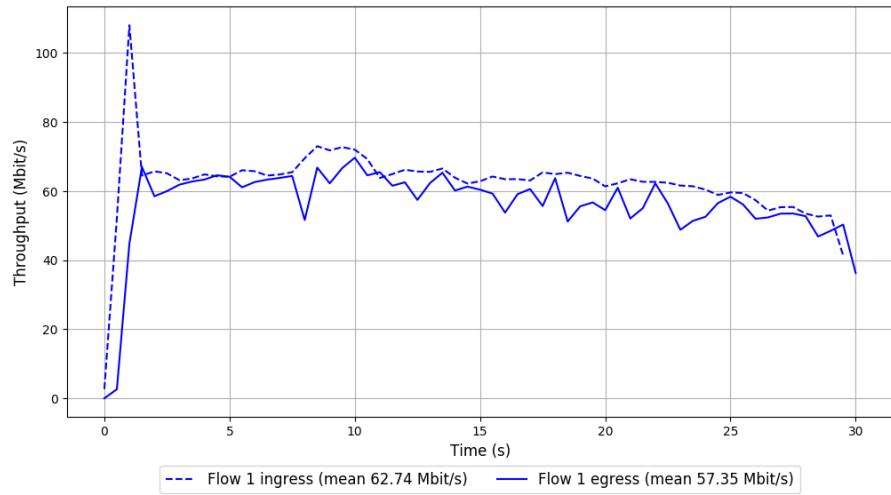


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-01-24 15:38:46
End at: 2019-01-24 15:39:16
Local clock offset: 1.153 ms
Remote clock offset: -2.839 ms

# Below is generated by plot.py at 2019-01-24 16:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.35 Mbit/s
95th percentile per-packet one-way delay: 5.842 ms
Loss rate: 8.59%
-- Flow 1:
Average throughput: 57.35 Mbit/s
95th percentile per-packet one-way delay: 5.842 ms
Loss rate: 8.59%
```

Run 4: Report of PCC-Allegro — Data Link

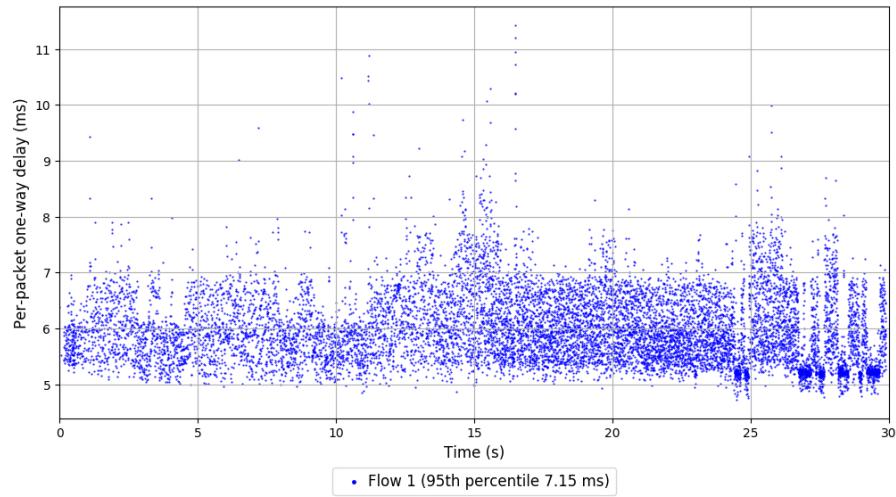
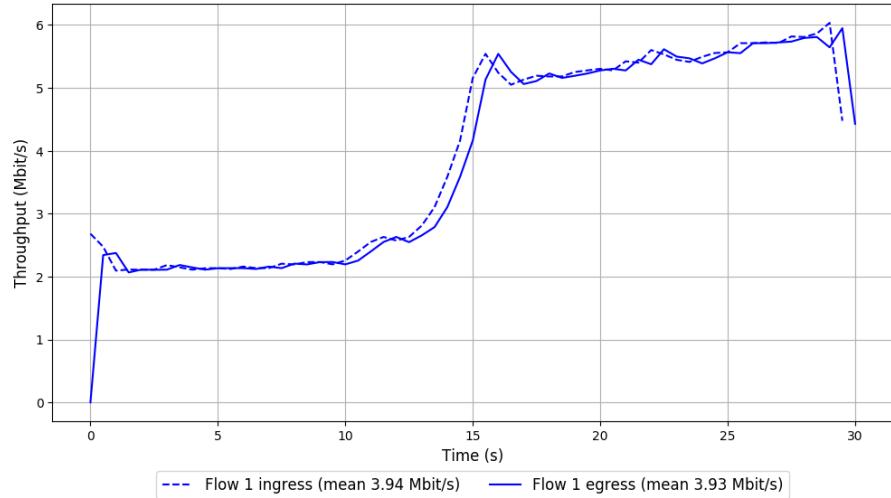


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-01-24 16:05:09
End at: 2019-01-24 16:05:39
Local clock offset: 1.002 ms
Remote clock offset: -1.918 ms

# Below is generated by plot.py at 2019-01-24 16:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 7.147 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 3.93 Mbit/s
95th percentile per-packet one-way delay: 7.147 ms
Loss rate: 0.39%
```

Run 5: Report of PCC-Allegro — Data Link

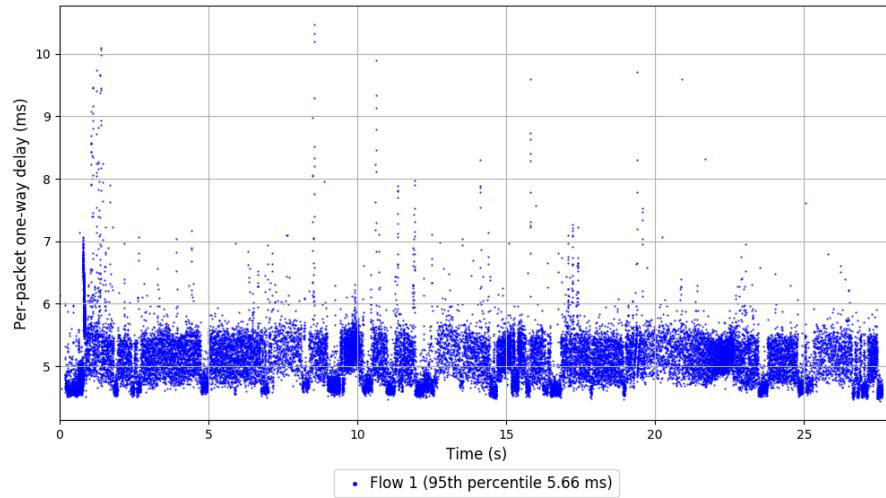
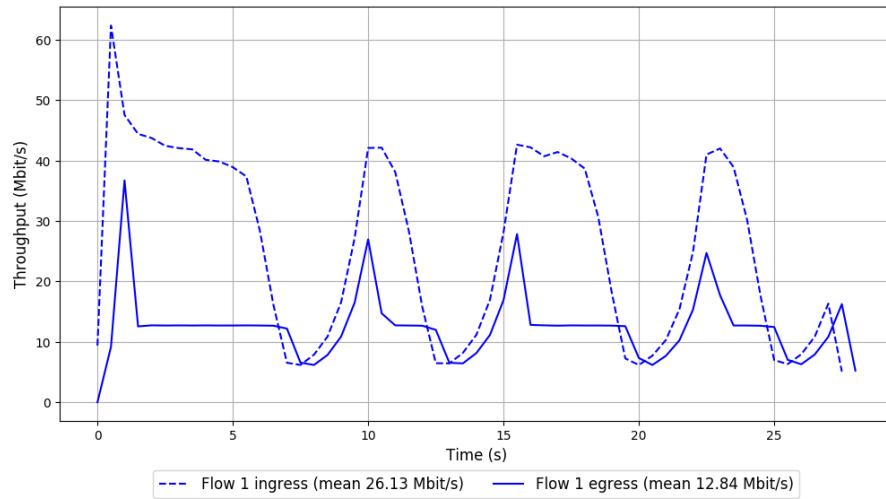


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-01-24 14:36:19
End at: 2019-01-24 14:36:49
Local clock offset: 1.875 ms
Remote clock offset: -3.165 ms

# Below is generated by plot.py at 2019-01-24 16:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.84 Mbit/s
95th percentile per-packet one-way delay: 5.657 ms
Loss rate: 50.86%
-- Flow 1:
Average throughput: 12.84 Mbit/s
95th percentile per-packet one-way delay: 5.657 ms
Loss rate: 50.86%
```

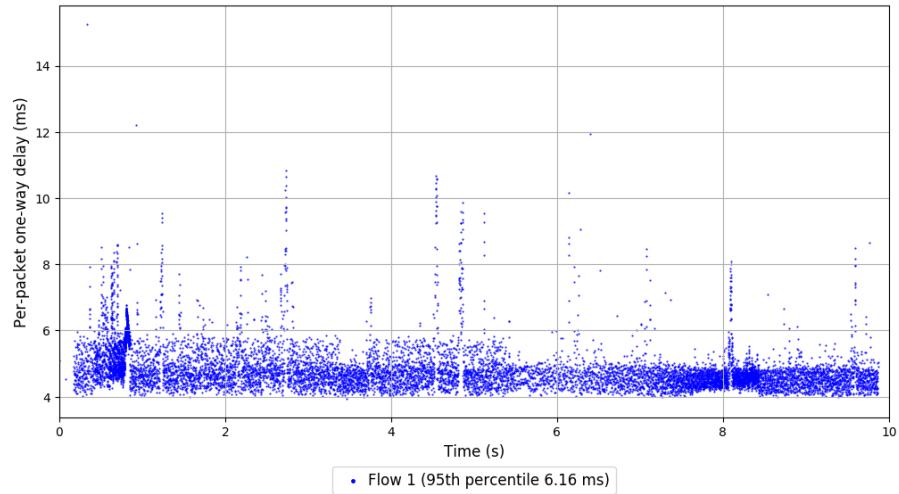
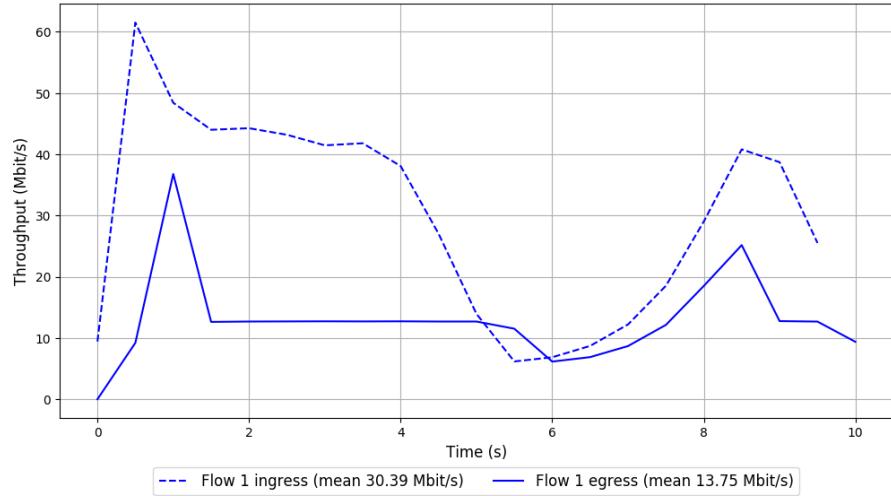
Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-01-24 15:02:26  
End at: 2019-01-24 15:02:56  
Local clock offset: 2.123 ms  
Remote clock offset: -2.676 ms

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

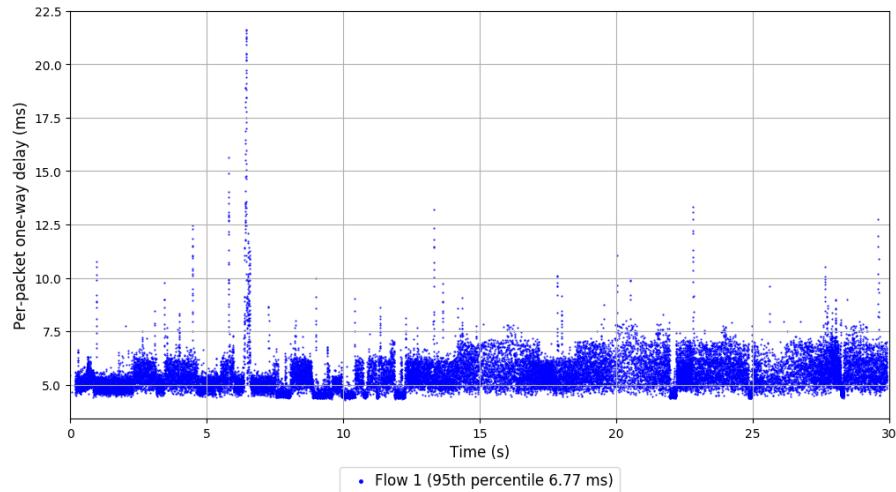
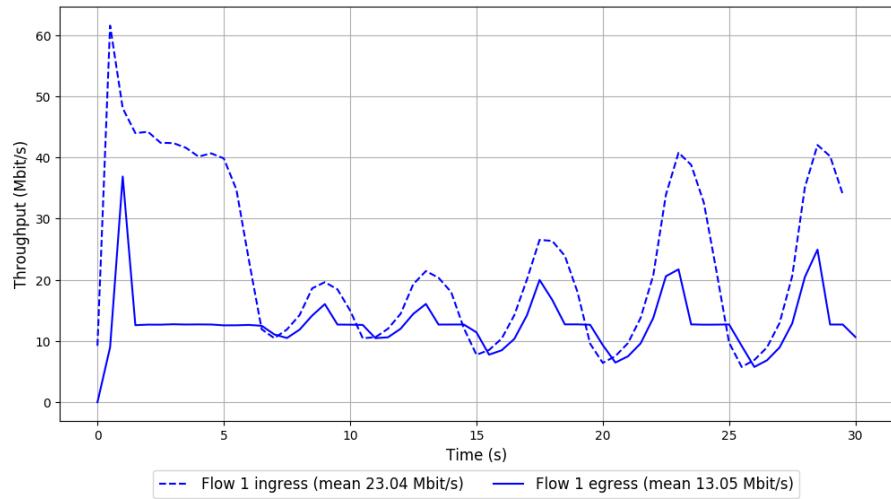


Run 3: Statistics of PCC-Expr

```
Start at: 2019-01-24 15:27:03
End at: 2019-01-24 15:27:33
Local clock offset: 0.536 ms
Remote clock offset: -2.334 ms

# Below is generated by plot.py at 2019-01-24 16:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 6.768 ms
Loss rate: 43.38%
-- Flow 1:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 6.768 ms
Loss rate: 43.38%
```

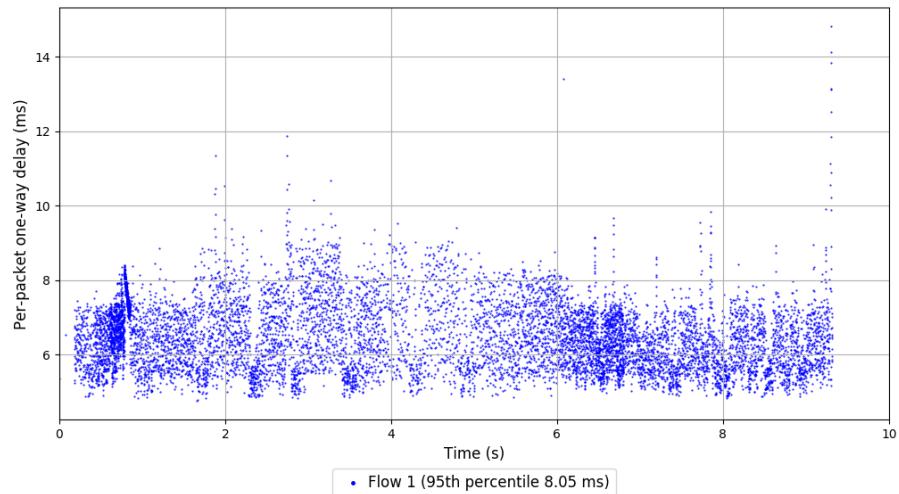
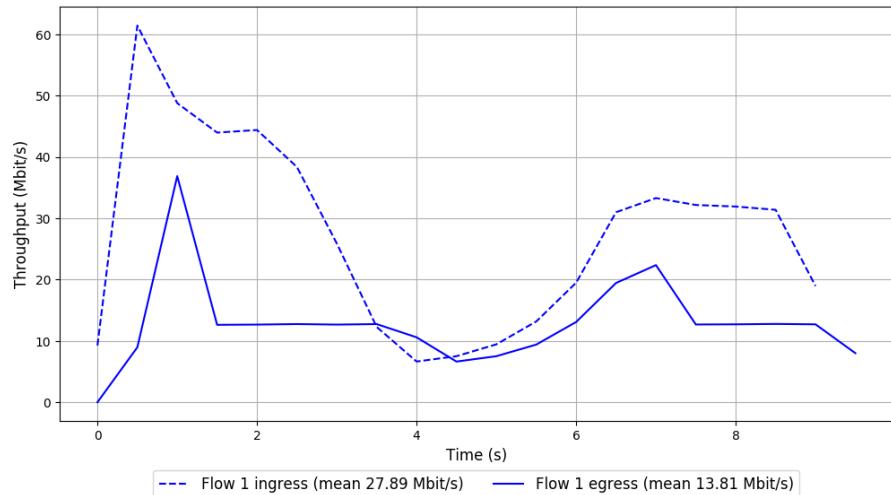
### Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-01-24 15:53:37  
End at: 2019-01-24 15:54:07  
Local clock offset: 1.483 ms  
Remote clock offset: -2.403 ms

## Run 4: Report of PCC-Expr — Data Link

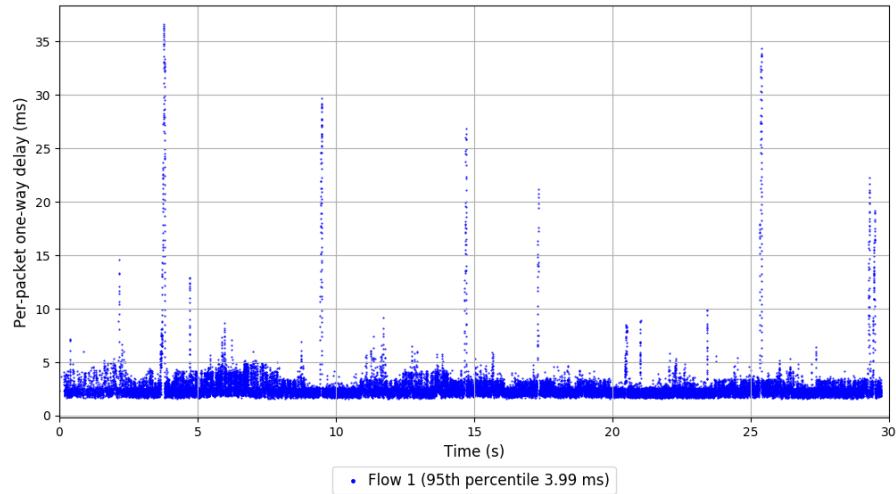
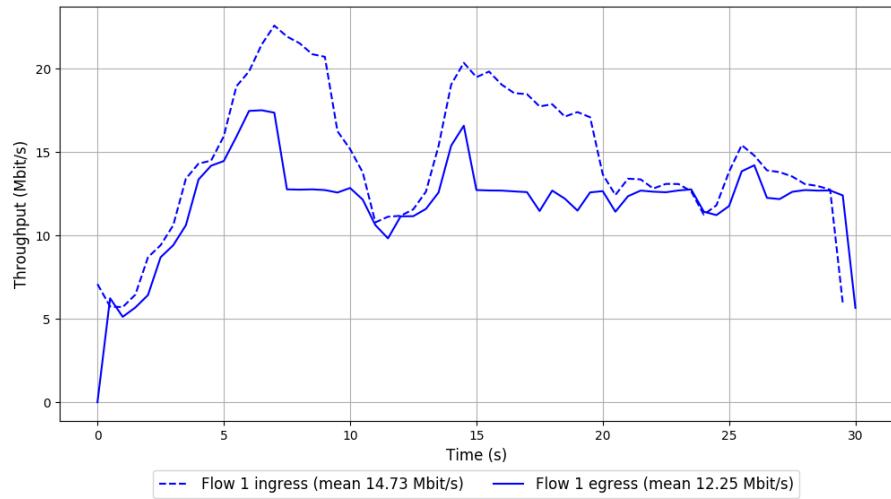


Run 5: Statistics of PCC-Expr

```
Start at: 2019-01-24 16:19:30
End at: 2019-01-24 16:20:00
Local clock offset: 1.24 ms
Remote clock offset: -4.429 ms

# Below is generated by plot.py at 2019-01-24 16:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.25 Mbit/s
95th percentile per-packet one-way delay: 3.988 ms
Loss rate: 16.87%
-- Flow 1:
Average throughput: 12.25 Mbit/s
95th percentile per-packet one-way delay: 3.988 ms
Loss rate: 16.87%
```

Run 5: Report of PCC-Expr — Data Link

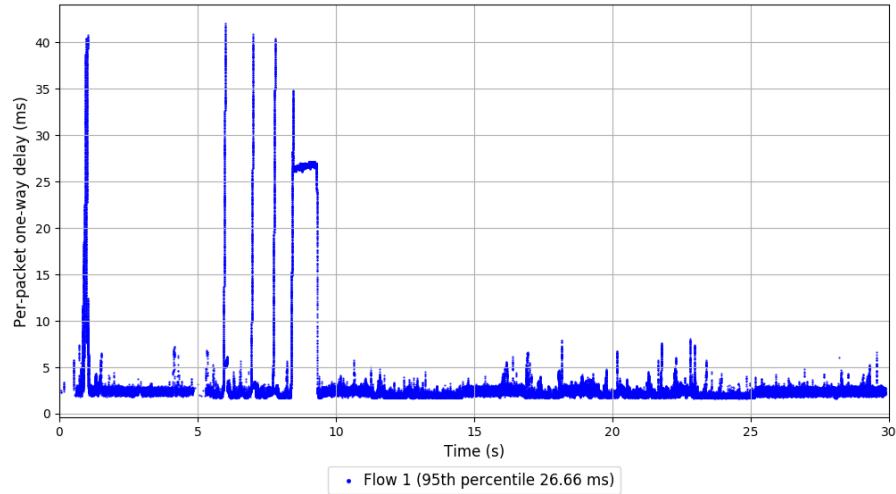
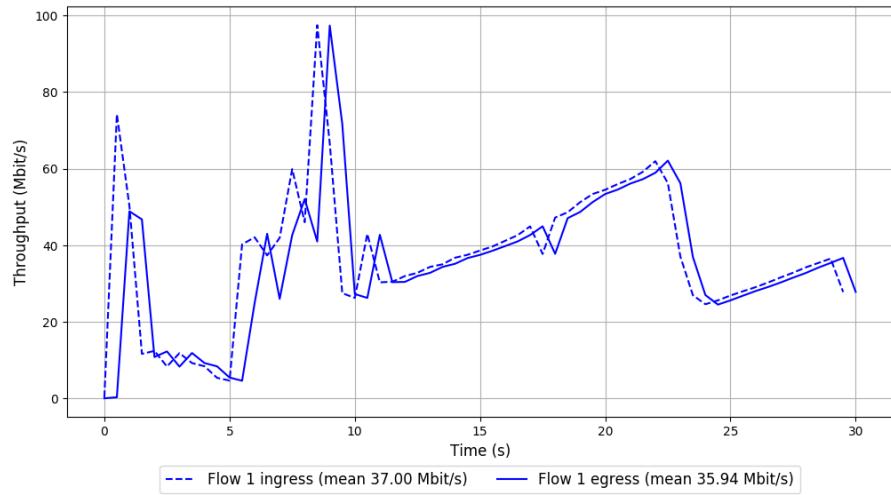


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-01-24 14:33:57
End at: 2019-01-24 14:34:27
Local clock offset: 2.37 ms
Remote clock offset: -5.8 ms

# Below is generated by plot.py at 2019-01-24 16:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 26.659 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 35.94 Mbit/s
95th percentile per-packet one-way delay: 26.659 ms
Loss rate: 2.87%
```

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

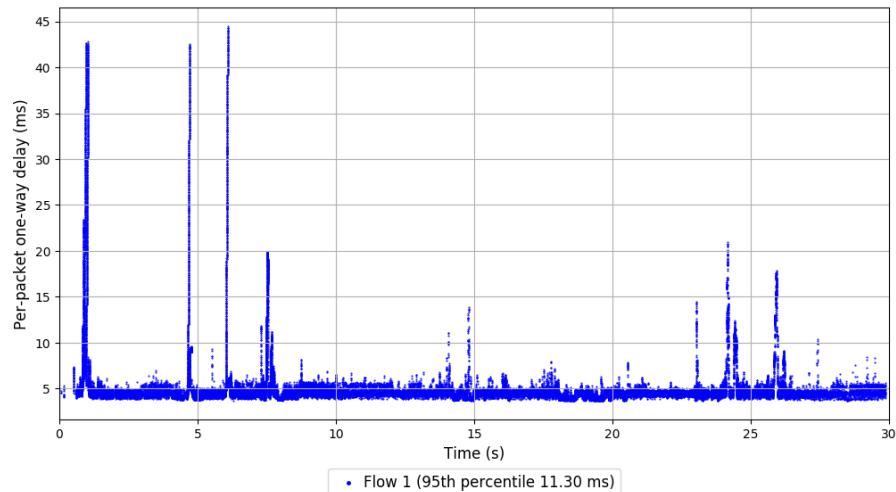
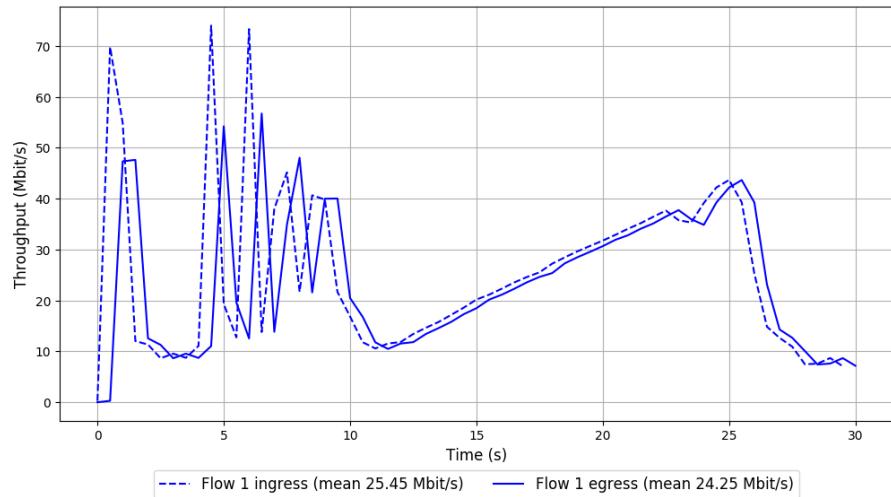


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-01-24 15:00:09
End at: 2019-01-24 15:00:39
Local clock offset: 3.081 ms
Remote clock offset: -2.432 ms

# Below is generated by plot.py at 2019-01-24 16:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 11.296 ms
Loss rate: 4.71%
-- Flow 1:
Average throughput: 24.25 Mbit/s
95th percentile per-packet one-way delay: 11.296 ms
Loss rate: 4.71%
```

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

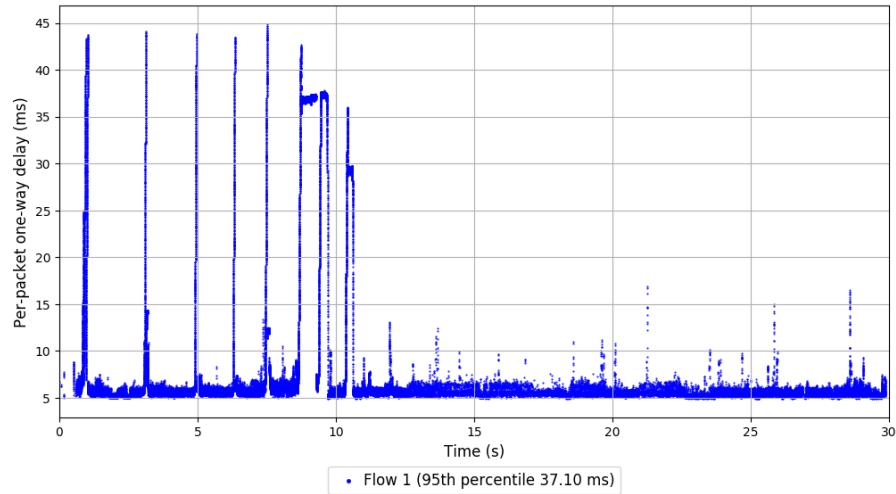
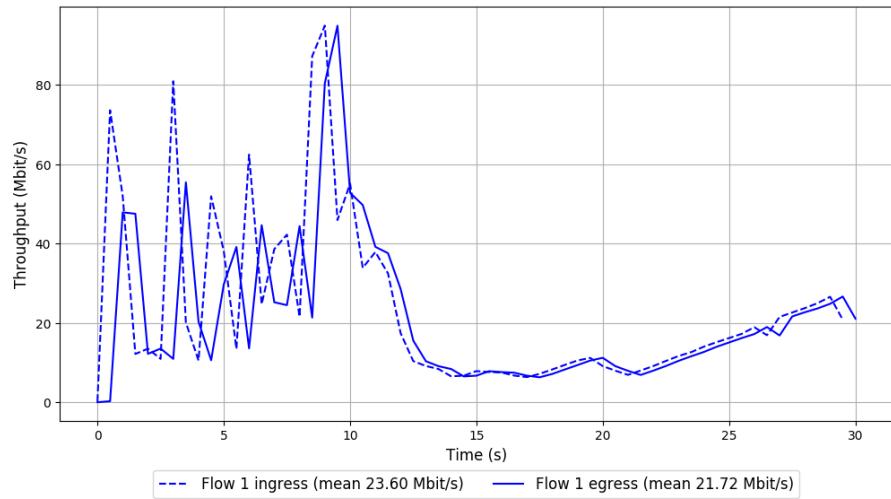


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-01-24 15:24:48
End at: 2019-01-24 15:25:18
Local clock offset: 0.475 ms
Remote clock offset: -1.857 ms

# Below is generated by plot.py at 2019-01-24 16:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.72 Mbit/s
95th percentile per-packet one-way delay: 37.100 ms
Loss rate: 7.97%
-- Flow 1:
Average throughput: 21.72 Mbit/s
95th percentile per-packet one-way delay: 37.100 ms
Loss rate: 7.97%
```

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

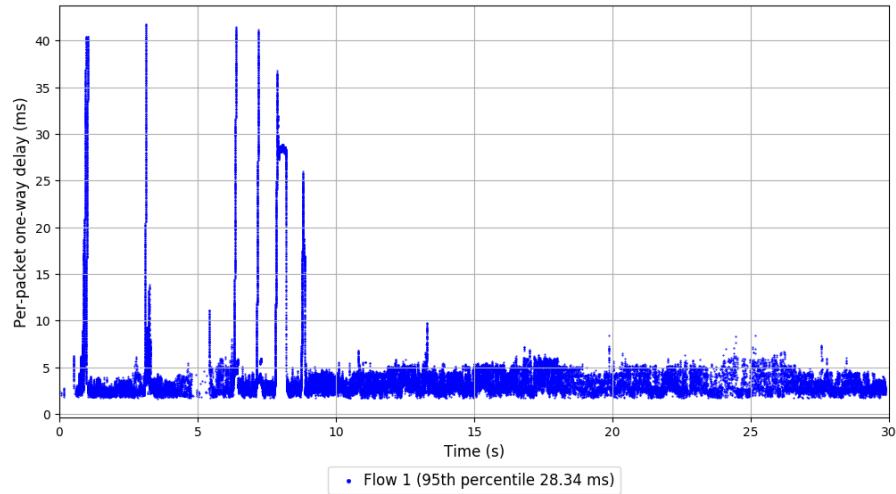
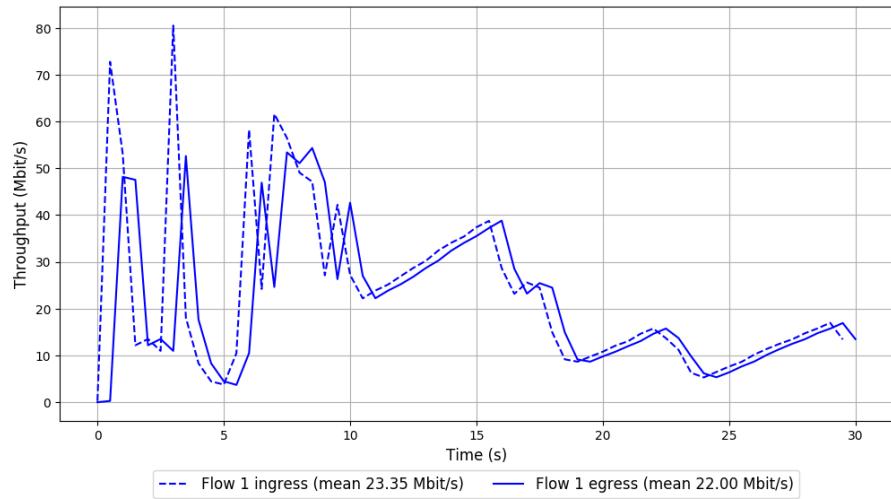


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-01-24 15:51:17
End at: 2019-01-24 15:51:47
Local clock offset: 2.584 ms
Remote clock offset: -4.275 ms

# Below is generated by plot.py at 2019-01-24 16:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.00 Mbit/s
95th percentile per-packet one-way delay: 28.345 ms
Loss rate: 5.75%
-- Flow 1:
Average throughput: 22.00 Mbit/s
95th percentile per-packet one-way delay: 28.345 ms
Loss rate: 5.75%
```

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

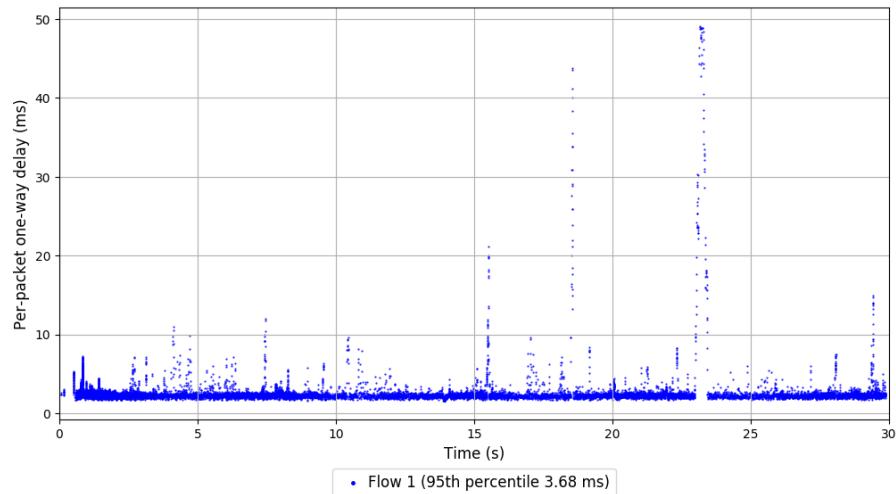
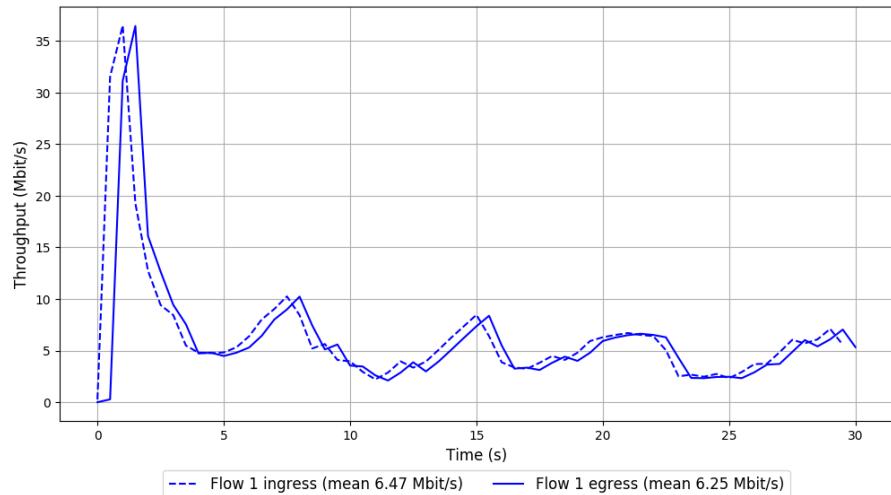


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-01-24 16:17:17
End at: 2019-01-24 16:17:47
Local clock offset: 0.367 ms
Remote clock offset: -5.221 ms

# Below is generated by plot.py at 2019-01-24 16:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.25 Mbit/s
95th percentile per-packet one-way delay: 3.681 ms
Loss rate: 3.39%
-- Flow 1:
Average throughput: 6.25 Mbit/s
95th percentile per-packet one-way delay: 3.681 ms
Loss rate: 3.39%
```

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

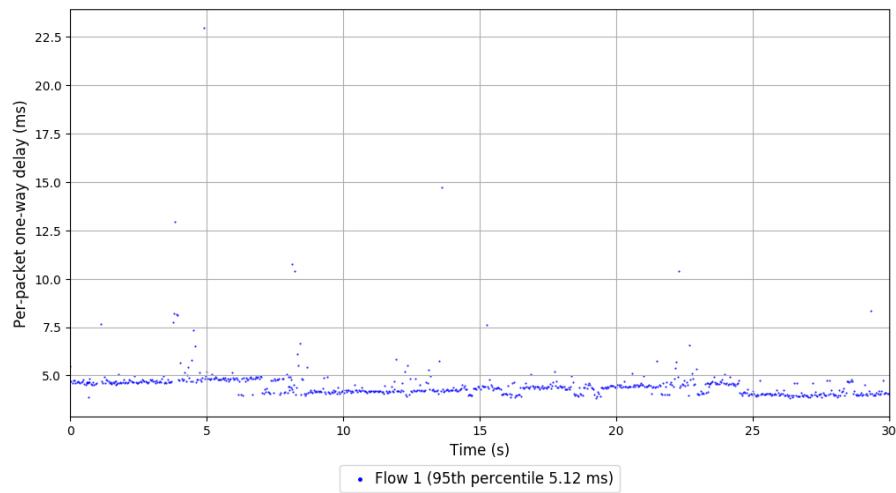
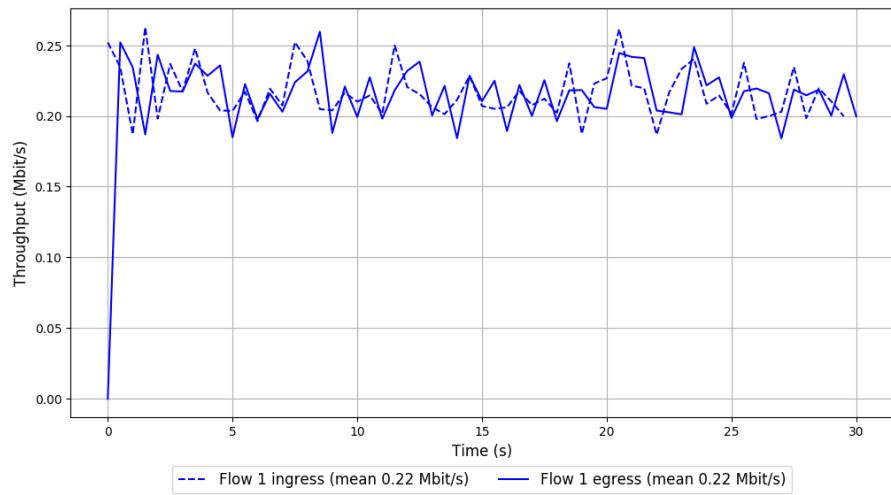


Run 1: Statistics of SCReAM

```
Start at: 2019-01-24 14:20:59
End at: 2019-01-24 14:21:29
Local clock offset: 2.268 ms
Remote clock offset: -4.027 ms

# Below is generated by plot.py at 2019-01-24 16:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 5.120 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 5.120 ms
Loss rate: 0.00%
```

## Run 1: Report of SCReAM — Data Link

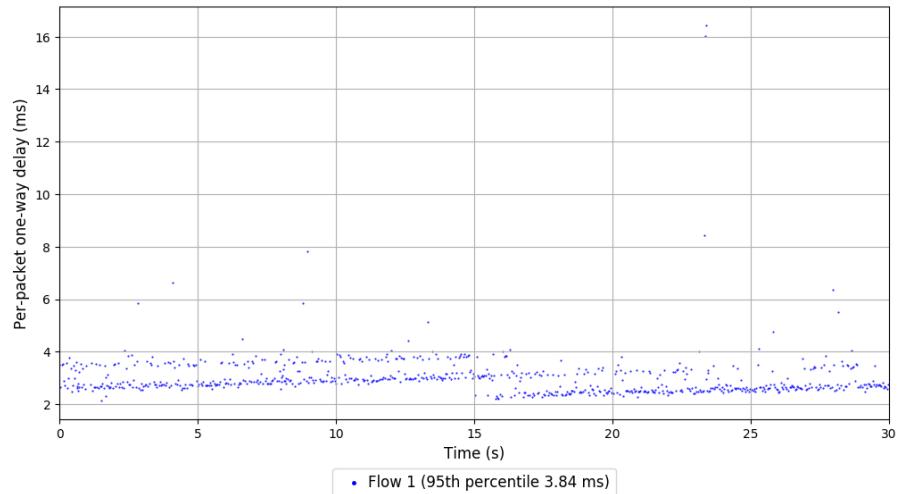
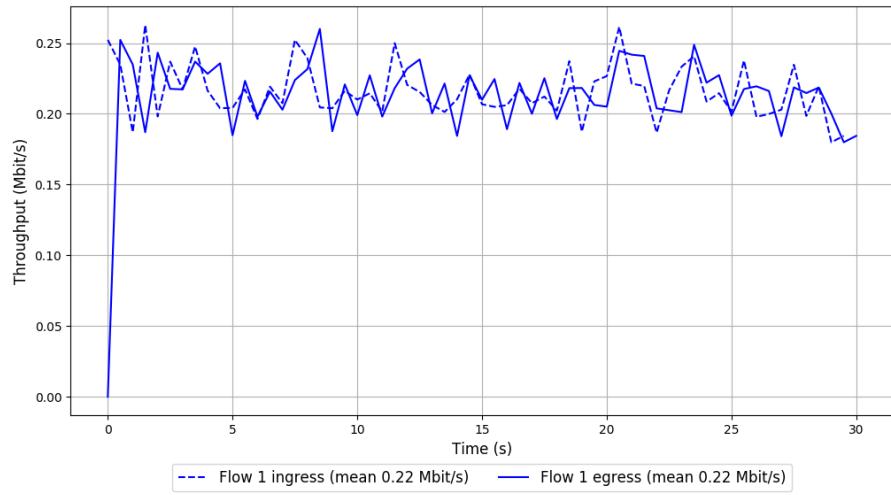


Run 2: Statistics of SCReAM

```
Start at: 2019-01-24 14:46:34
End at: 2019-01-24 14:47:05
Local clock offset: 4.173 ms
Remote clock offset: -2.767 ms

# Below is generated by plot.py at 2019-01-24 16:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.844 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.844 ms
Loss rate: 0.15%
```

## Run 2: Report of SCReAM — Data Link

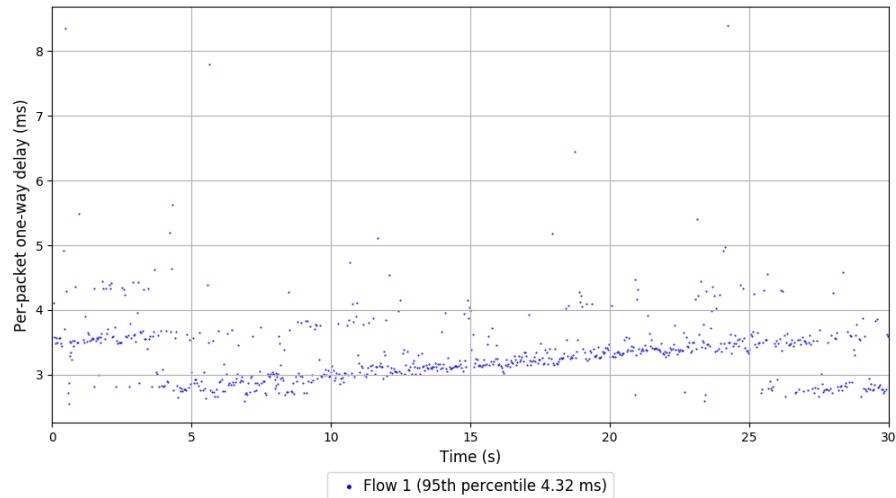
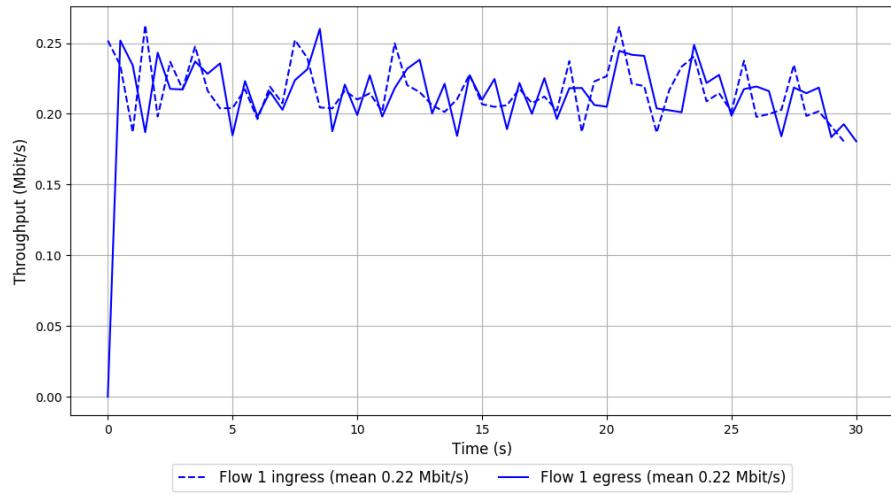


Run 3: Statistics of SCReAM

```
Start at: 2019-01-24 15:12:03
End at: 2019-01-24 15:12:33
Local clock offset: -3.985 ms
Remote clock offset: -8.987 ms

# Below is generated by plot.py at 2019-01-24 16:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.320 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.320 ms
Loss rate: 0.13%
```

Run 3: Report of SCReAM — Data Link

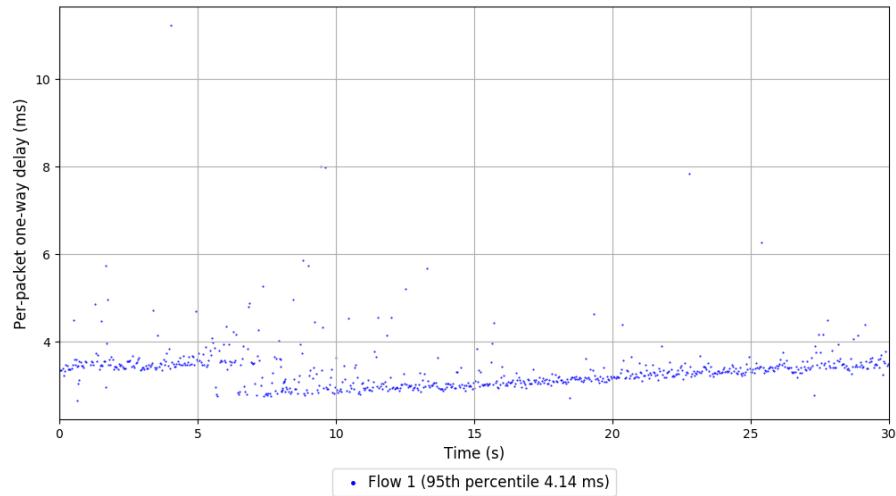
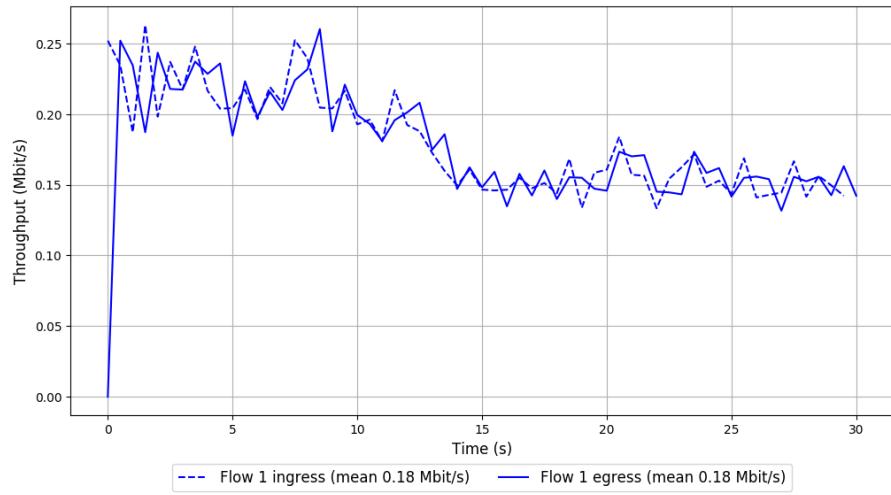


Run 4: Statistics of SCReAM

```
Start at: 2019-01-24 15:37:41
End at: 2019-01-24 15:38:11
Local clock offset: 1.398 ms
Remote clock offset: -4.016 ms

# Below is generated by plot.py at 2019-01-24 16:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 4.142 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 4.142 ms
Loss rate: 0.16%
```

Run 4: Report of SCReAM — Data Link

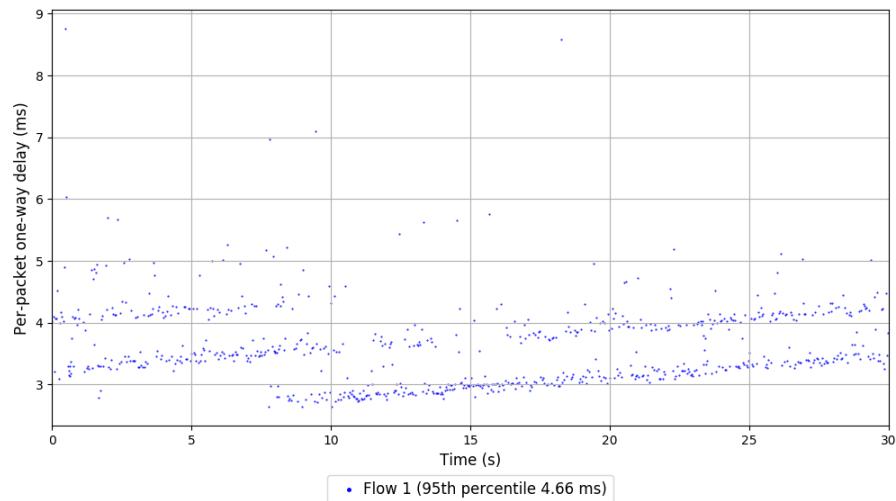
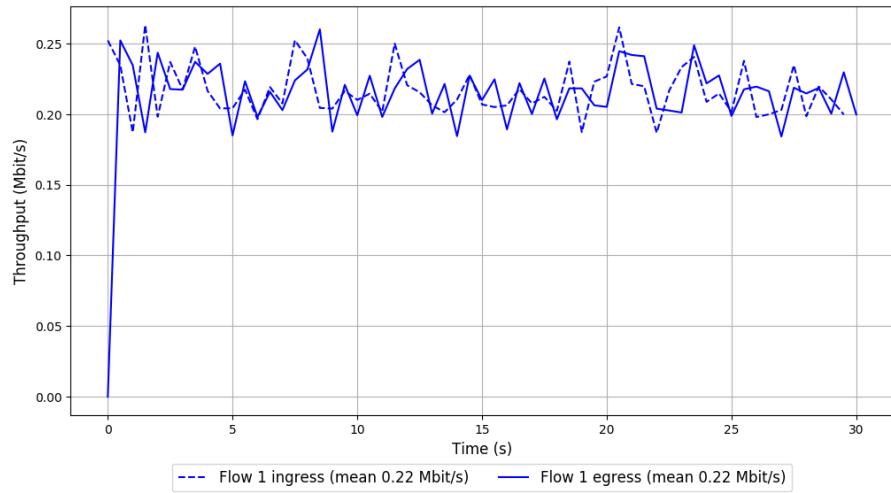


Run 5: Statistics of SCReAM

```
Start at: 2019-01-24 16:04:02
End at: 2019-01-24 16:04:32
Local clock offset: 1.313 ms
Remote clock offset: -4.126 ms

# Below is generated by plot.py at 2019-01-24 16:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.663 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 4.663 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

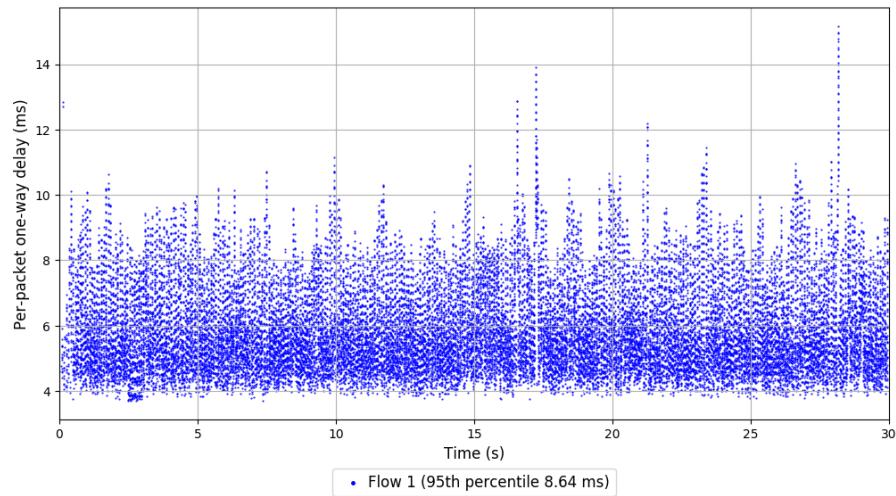
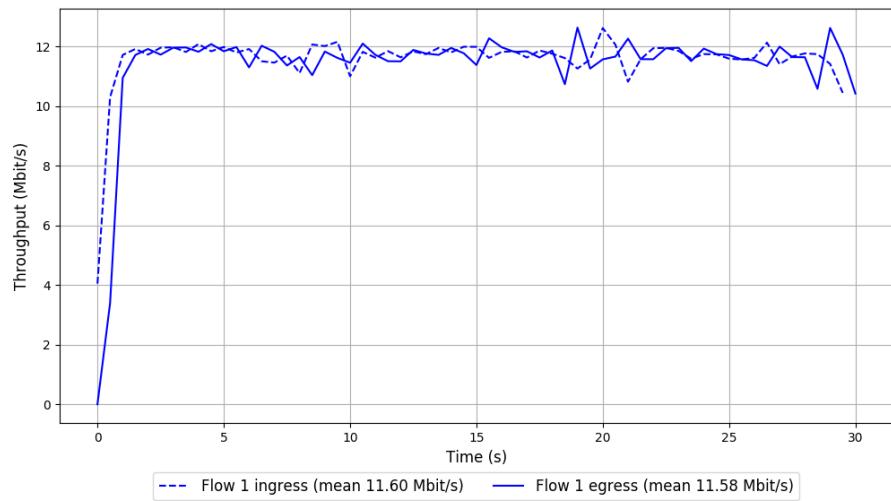


Run 1: Statistics of Sprout

```
Start at: 2019-01-24 14:41:26
End at: 2019-01-24 14:41:56
Local clock offset: 2.079 ms
Remote clock offset: -3.52 ms

# Below is generated by plot.py at 2019-01-24 16:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.58 Mbit/s
95th percentile per-packet one-way delay: 8.636 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 11.58 Mbit/s
95th percentile per-packet one-way delay: 8.636 ms
Loss rate: 0.18%
```

Run 1: Report of Sprout — Data Link

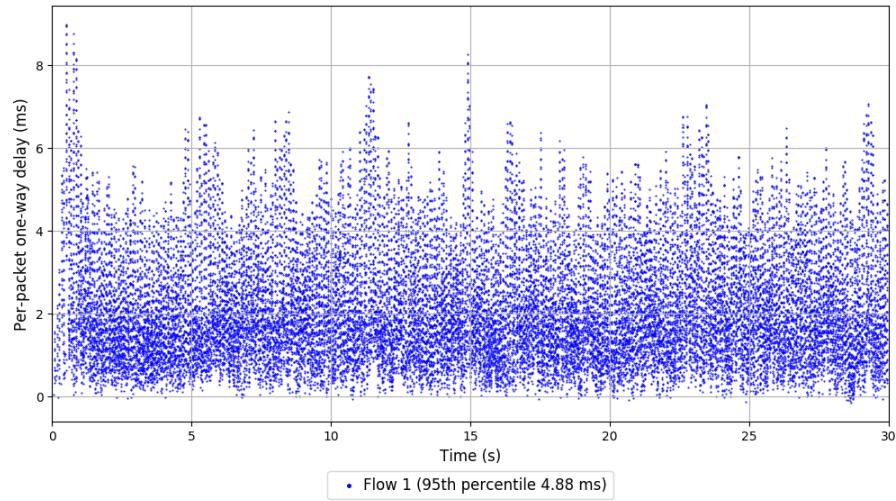
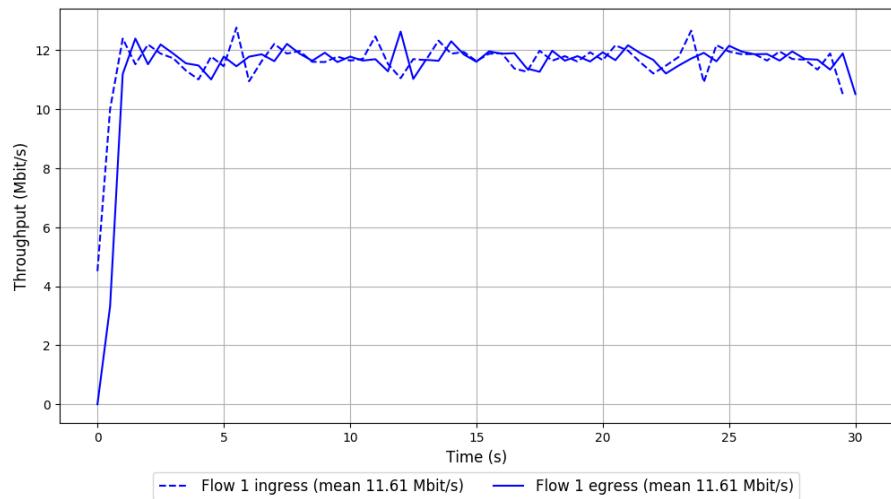


Run 2: Statistics of Sprout

```
Start at: 2019-01-24 15:07:09
End at: 2019-01-24 15:07:40
Local clock offset: 3.97 ms
Remote clock offset: -4.252 ms

# Below is generated by plot.py at 2019-01-24 16:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.61 Mbit/s
95th percentile per-packet one-way delay: 4.885 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 11.61 Mbit/s
95th percentile per-packet one-way delay: 4.885 ms
Loss rate: 0.06%
```

## Run 2: Report of Sprout — Data Link

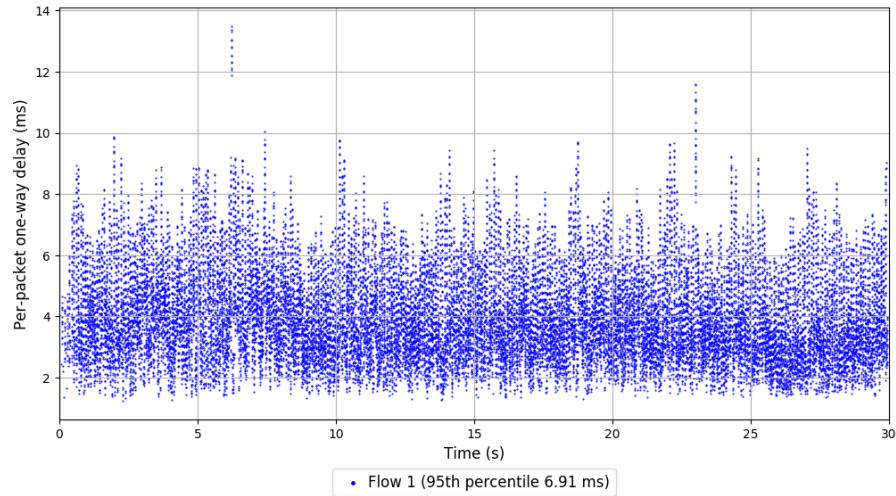
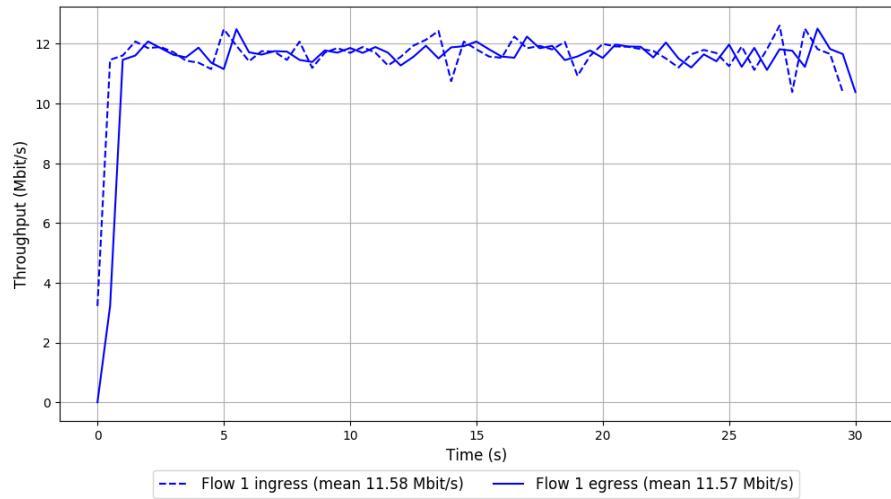


Run 3: Statistics of Sprout

```
Start at: 2019-01-24 15:32:40
End at: 2019-01-24 15:33:10
Local clock offset: 2.877 ms
Remote clock offset: -3.565 ms

# Below is generated by plot.py at 2019-01-24 16:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 6.906 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 11.57 Mbit/s
95th percentile per-packet one-way delay: 6.906 ms
Loss rate: 0.05%
```

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

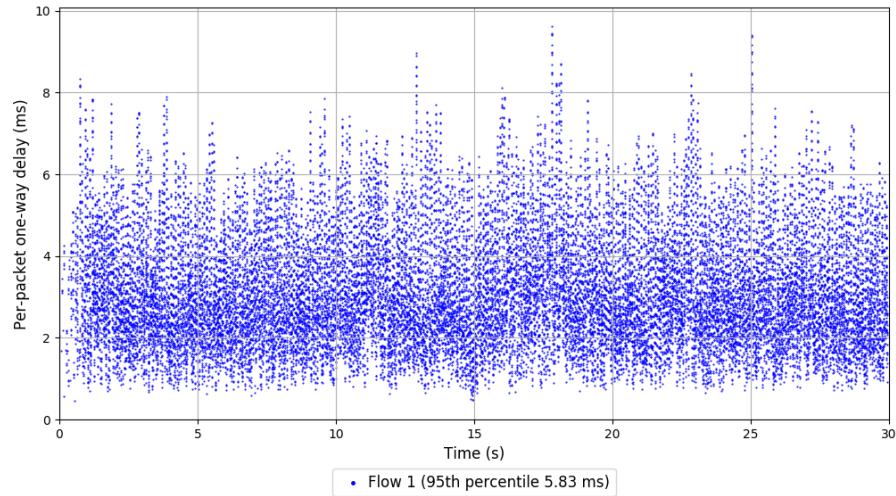
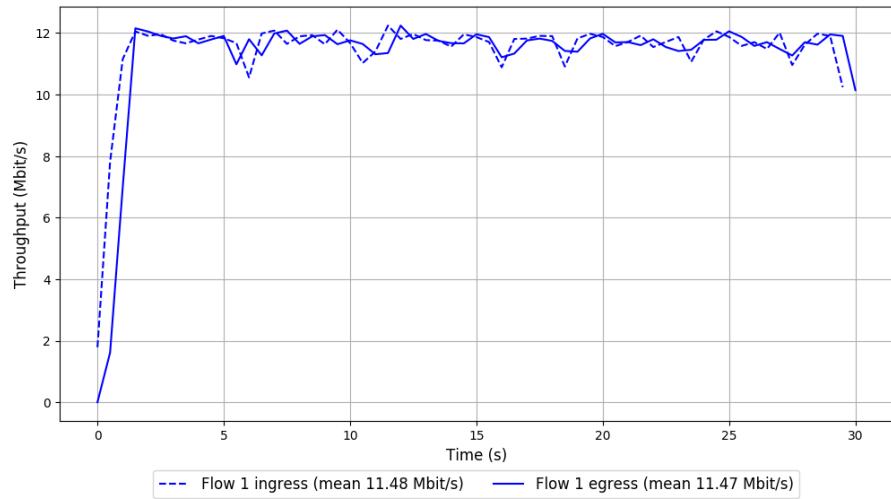


Run 4: Statistics of Sprout

```
Start at: 2019-01-24 15:59:09
End at: 2019-01-24 15:59:39
Local clock offset: 4.224 ms
Remote clock offset: -4.061 ms

# Below is generated by plot.py at 2019-01-24 16:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.47 Mbit/s
95th percentile per-packet one-way delay: 5.831 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 11.47 Mbit/s
95th percentile per-packet one-way delay: 5.831 ms
Loss rate: 0.12%
```

## Run 4: Report of Sprout — Data Link

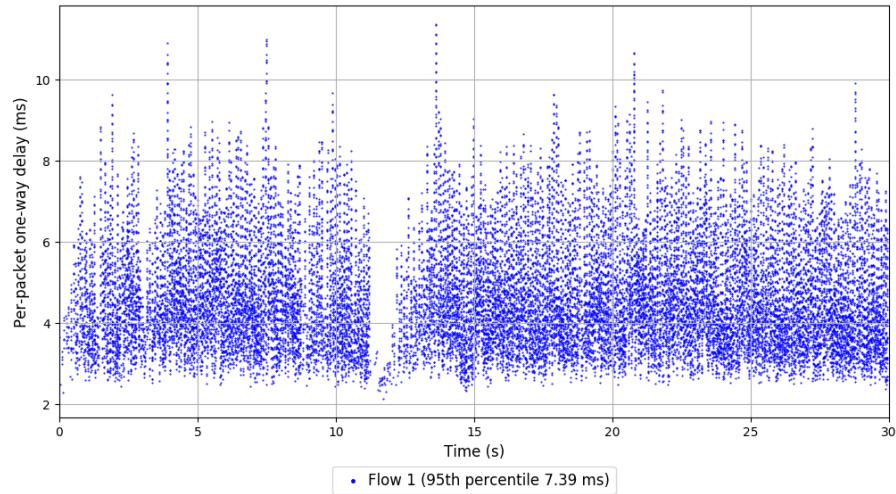
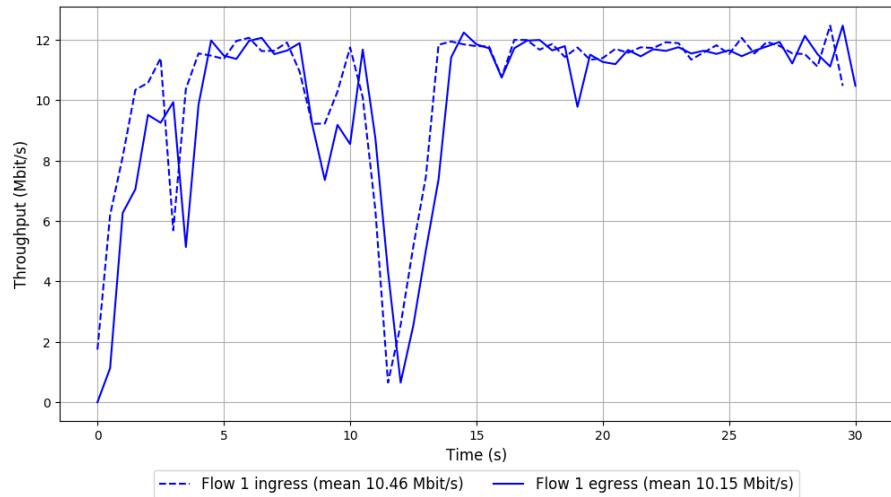


Run 5: Statistics of Sprout

```
Start at: 2019-01-24 16:24:23
End at: 2019-01-24 16:24:53
Local clock offset: 2.205 ms
Remote clock offset: -2.634 ms

# Below is generated by plot.py at 2019-01-24 16:35:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.15 Mbit/s
95th percentile per-packet one-way delay: 7.387 ms
Loss rate: 2.97%
-- Flow 1:
Average throughput: 10.15 Mbit/s
95th percentile per-packet one-way delay: 7.387 ms
Loss rate: 2.97%
```

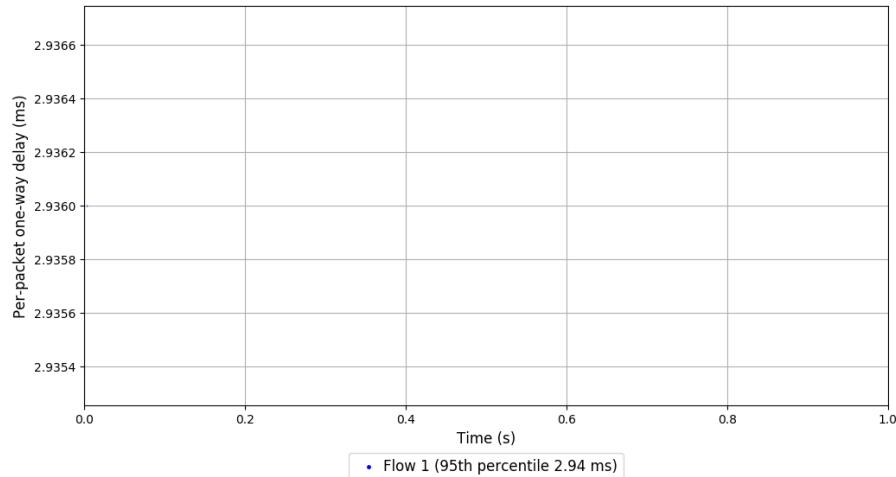
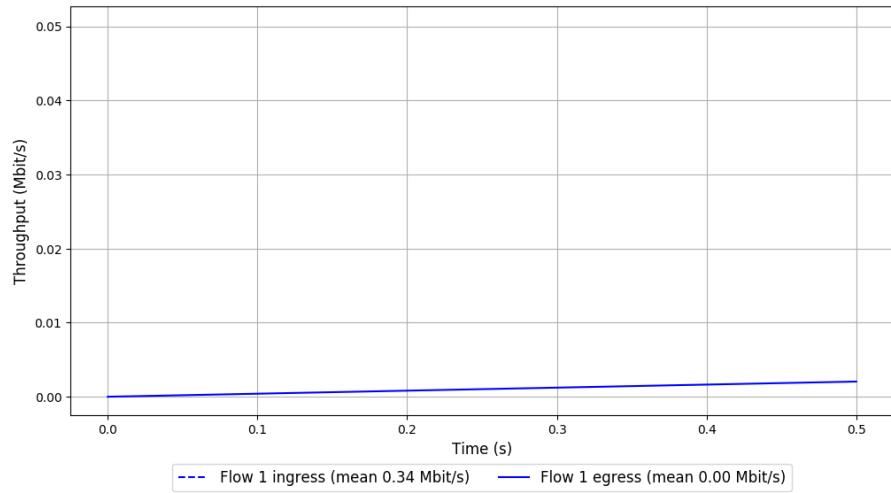
### Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-01-24 14:26:47  
End at: 2019-01-24 14:27:17  
Local clock offset: 5.651 ms  
Remote clock offset: -2.424 ms

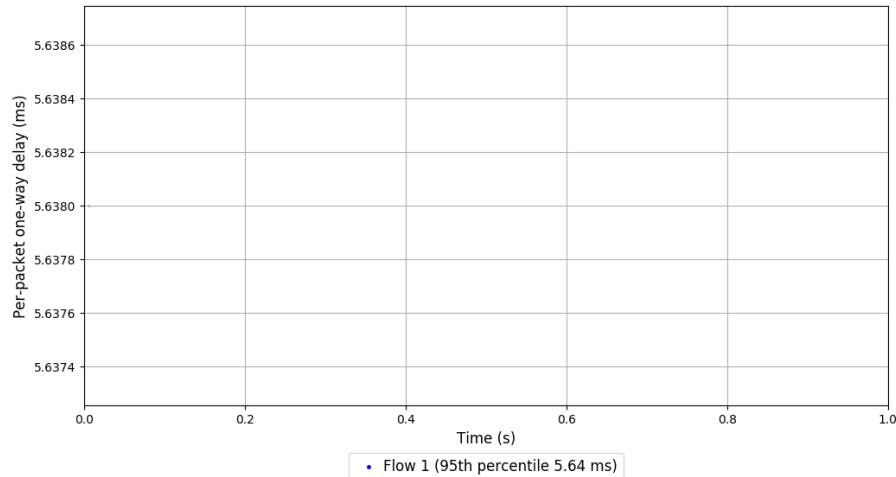
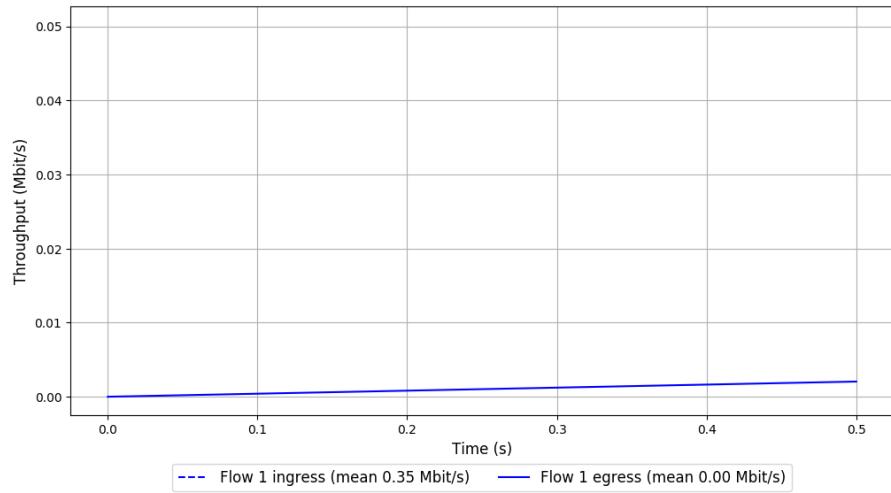
Run 1: Report of TaoVA-100x — Data Link



Run 2: Statistics of TaoVA-100x

Start at: 2019-01-24 14:52:35  
End at: 2019-01-24 14:53:06  
Local clock offset: 3.024 ms  
Remote clock offset: -1.954 ms

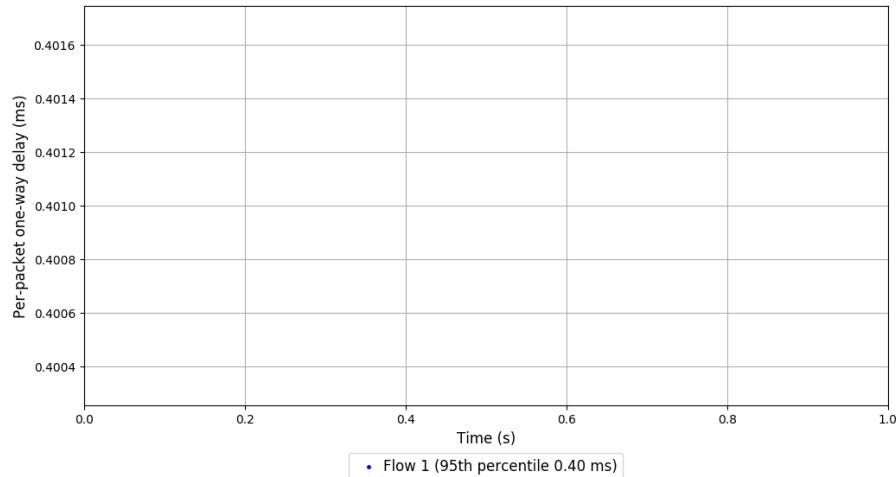
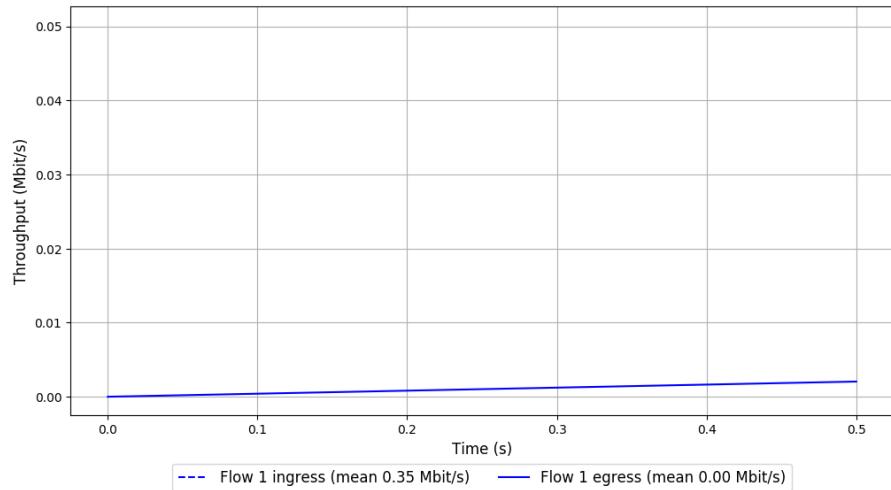
Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: 2019-01-24 15:17:47  
End at: 2019-01-24 15:18:17  
Local clock offset: 2.989 ms  
Remote clock offset: -4.683 ms

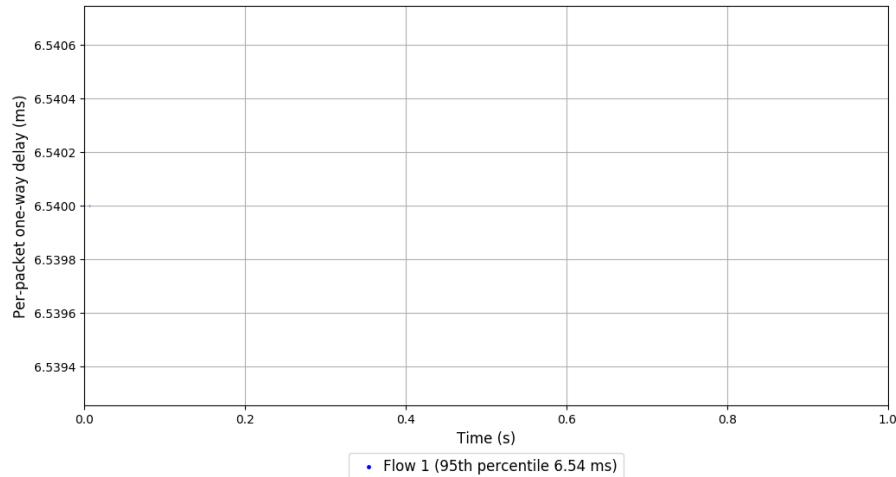
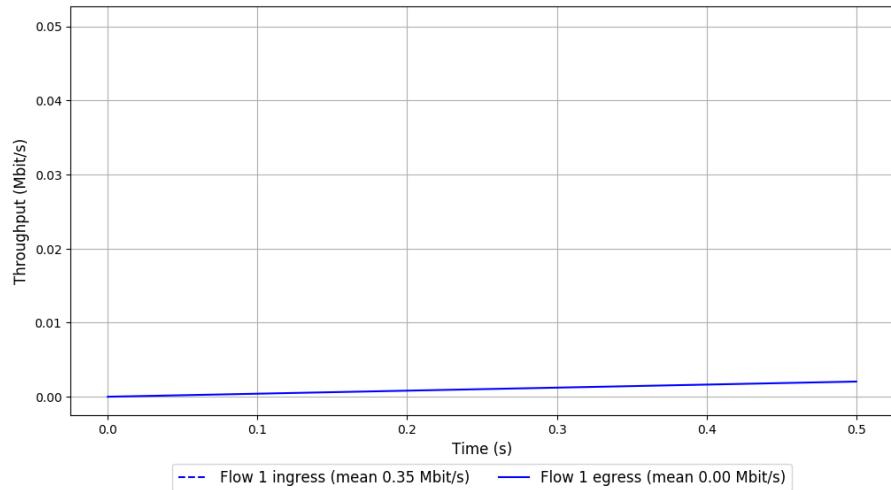
Run 3: Report of TaoVA-100x — Data Link



Run 4: Statistics of TaoVA-100x

Start at: 2019-01-24 15:43:46  
End at: 2019-01-24 15:44:16  
Local clock offset: 0.876 ms  
Remote clock offset: -2.701 ms

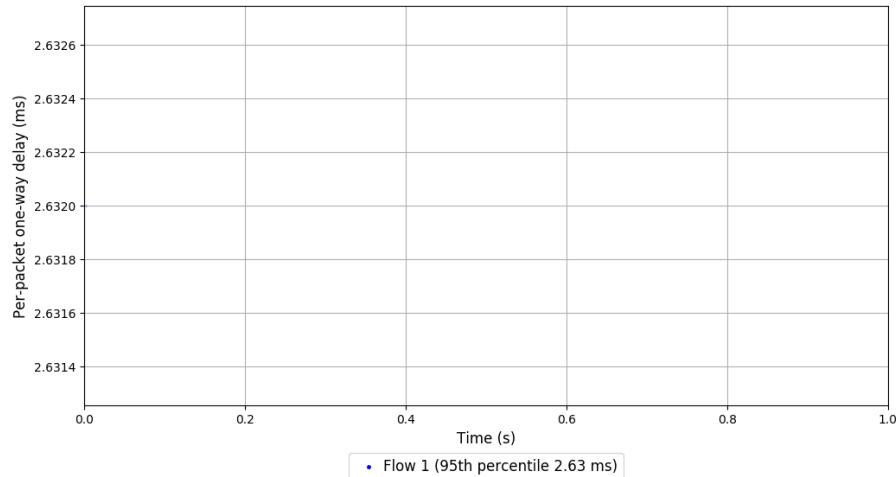
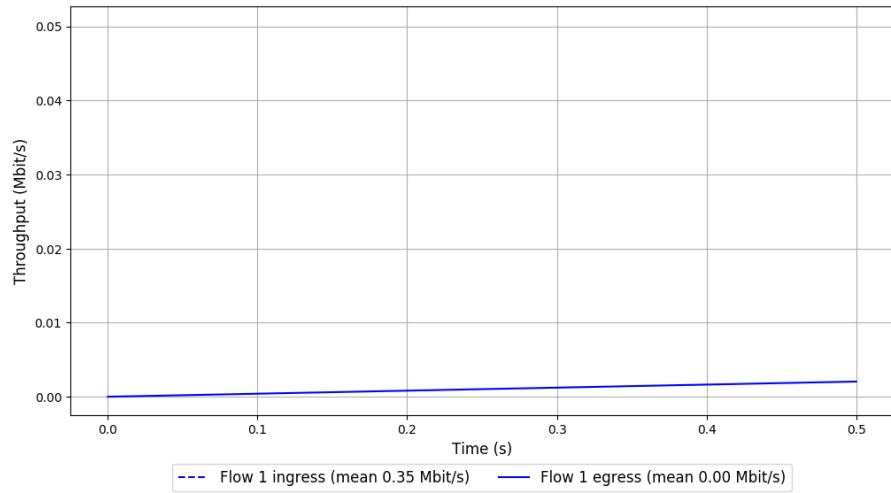
Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: 2019-01-24 16:10:00  
End at: 2019-01-24 16:10:30  
Local clock offset: 2.161 ms  
Remote clock offset: -4.104 ms

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

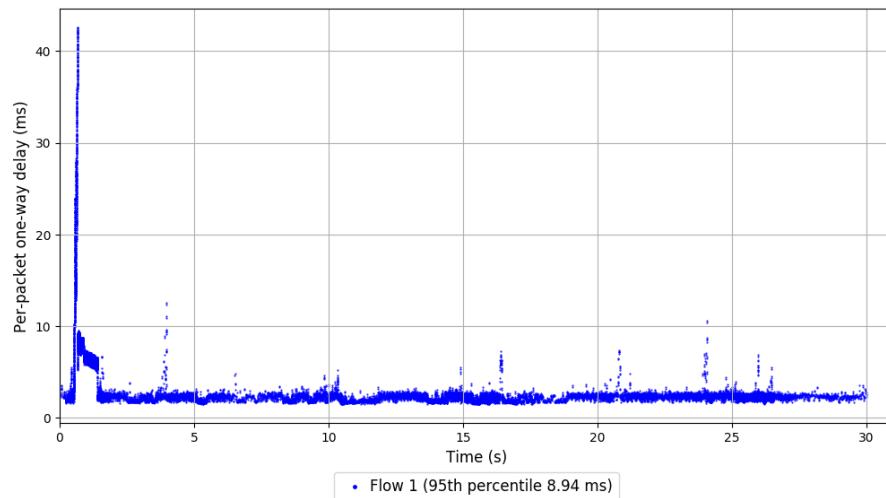
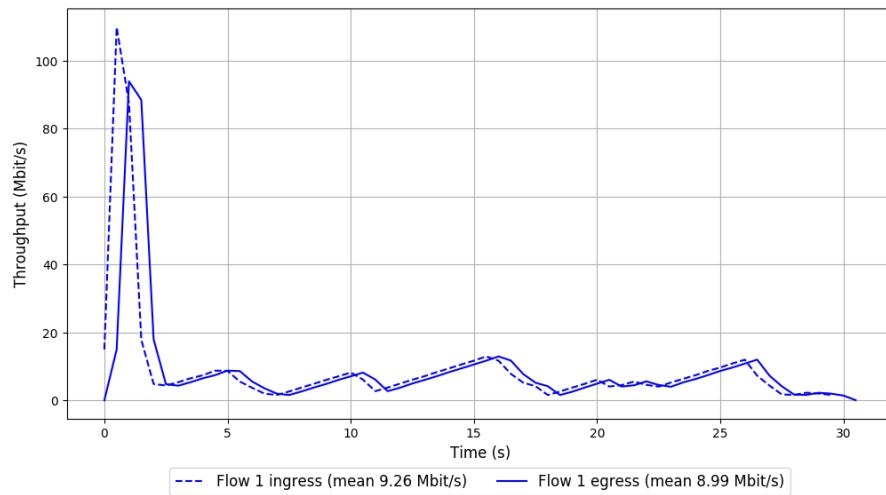


Run 1: Statistics of TCP Vegas

```
Start at: 2019-01-24 14:24:33
End at: 2019-01-24 14:25:03
Local clock offset: 4.001 ms
Remote clock offset: -4.796 ms

# Below is generated by plot.py at 2019-01-24 16:36:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.99 Mbit/s
95th percentile per-packet one-way delay: 8.944 ms
Loss rate: 2.84%
-- Flow 1:
Average throughput: 8.99 Mbit/s
95th percentile per-packet one-way delay: 8.944 ms
Loss rate: 2.84%
```

Run 1: Report of TCP Vegas — Data Link

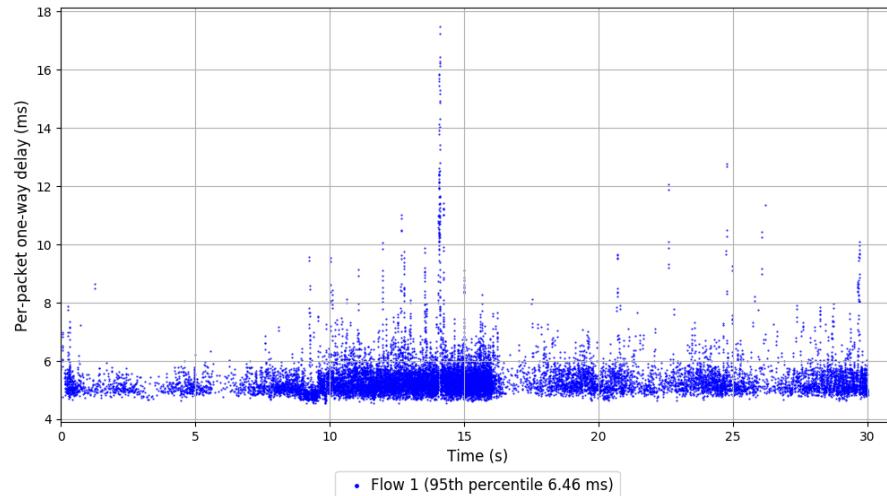
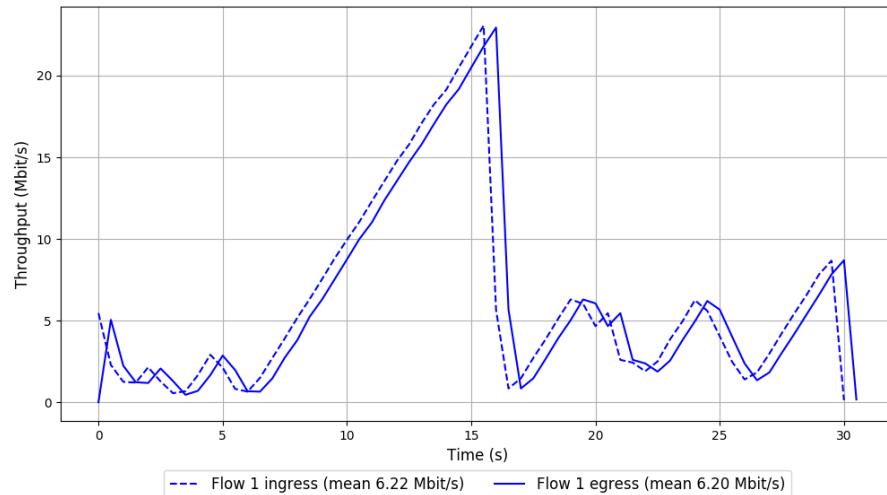


Run 2: Statistics of TCP Vegas

```
Start at: 2019-01-24 14:50:22
End at: 2019-01-24 14:50:52
Local clock offset: 2.454 ms
Remote clock offset: -2.166 ms

# Below is generated by plot.py at 2019-01-24 16:36:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.20 Mbit/s
95th percentile per-packet one-way delay: 6.463 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 6.20 Mbit/s
95th percentile per-packet one-way delay: 6.463 ms
Loss rate: 0.40%
```

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

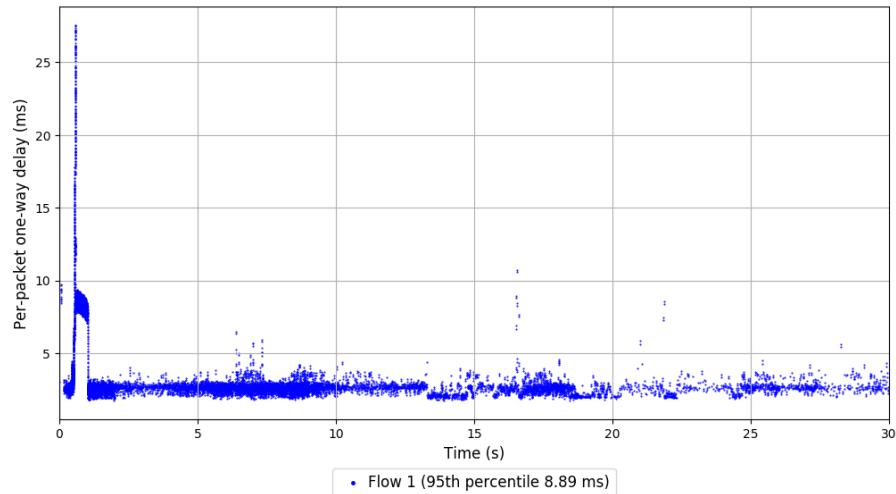
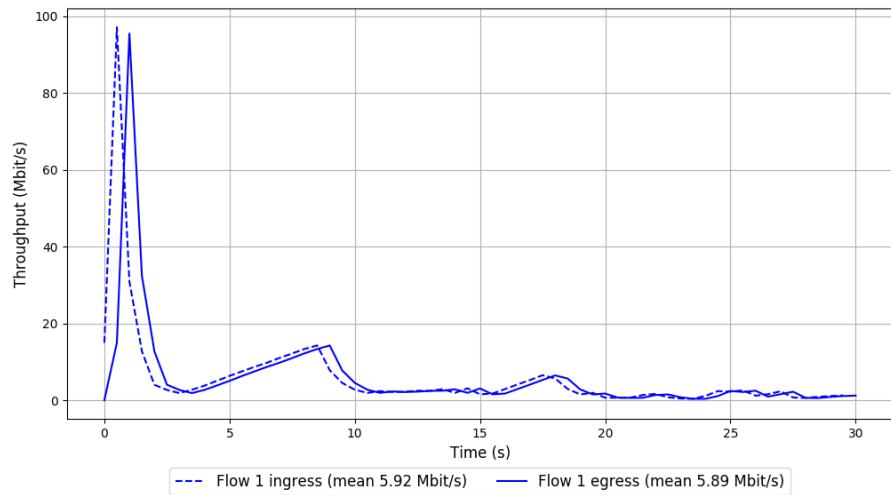


Run 3: Statistics of TCP Vegas

```
Start at: 2019-01-24 15:15:33
End at: 2019-01-24 15:16:03
Local clock offset: 2.485 ms
Remote clock offset: -3.136 ms

# Below is generated by plot.py at 2019-01-24 16:36:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.89 Mbit/s
95th percentile per-packet one-way delay: 8.889 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 5.89 Mbit/s
95th percentile per-packet one-way delay: 8.889 ms
Loss rate: 0.53%
```

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

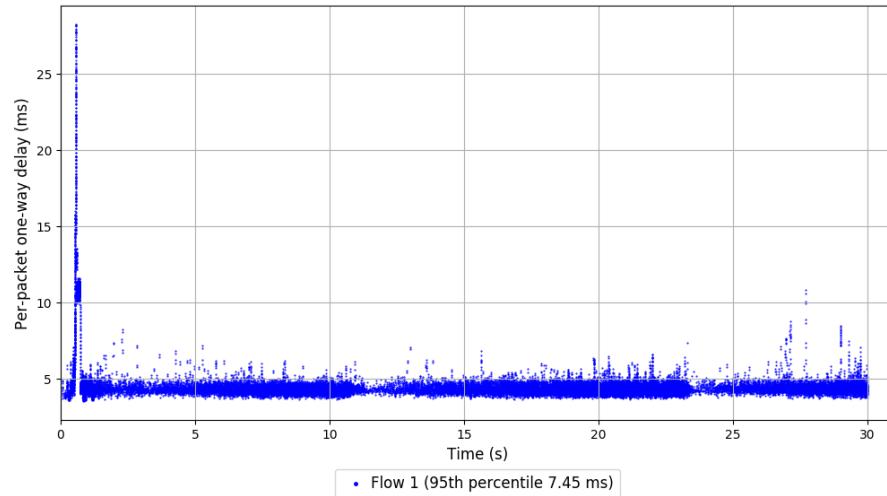
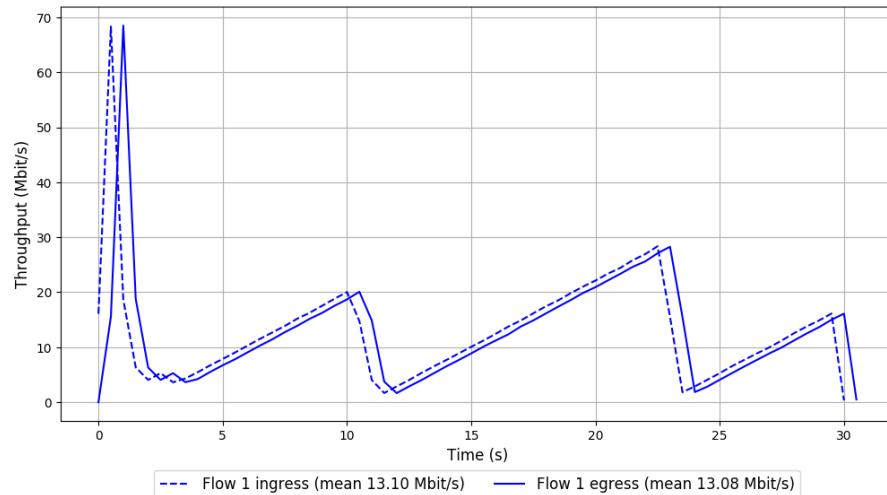


Run 4: Statistics of TCP Vegas

```
Start at: 2019-01-24 15:41:27
End at: 2019-01-24 15:41:58
Local clock offset: 2.116 ms
Remote clock offset: -2.442 ms

# Below is generated by plot.py at 2019-01-24 16:36:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.08 Mbit/s
95th percentile per-packet one-way delay: 7.449 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 13.08 Mbit/s
95th percentile per-packet one-way delay: 7.449 ms
Loss rate: 0.10%
```

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

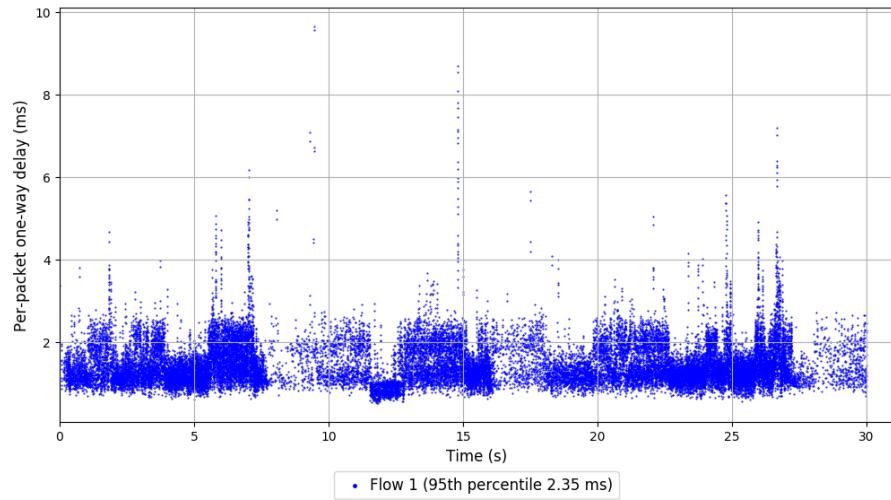
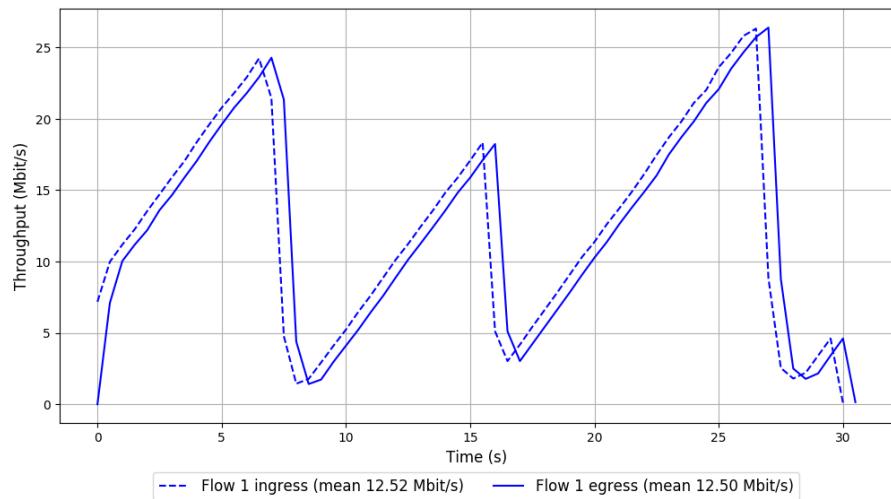


Run 5: Statistics of TCP Vegas

```
Start at: 2019-01-24 16:07:41
End at: 2019-01-24 16:08:11
Local clock offset: 3.098 ms
Remote clock offset: -4.024 ms

# Below is generated by plot.py at 2019-01-24 16:36:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.50 Mbit/s
95th percentile per-packet one-way delay: 2.352 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 12.50 Mbit/s
95th percentile per-packet one-way delay: 2.352 ms
Loss rate: 0.11%
```

Run 5: Report of TCP Vegas — Data Link

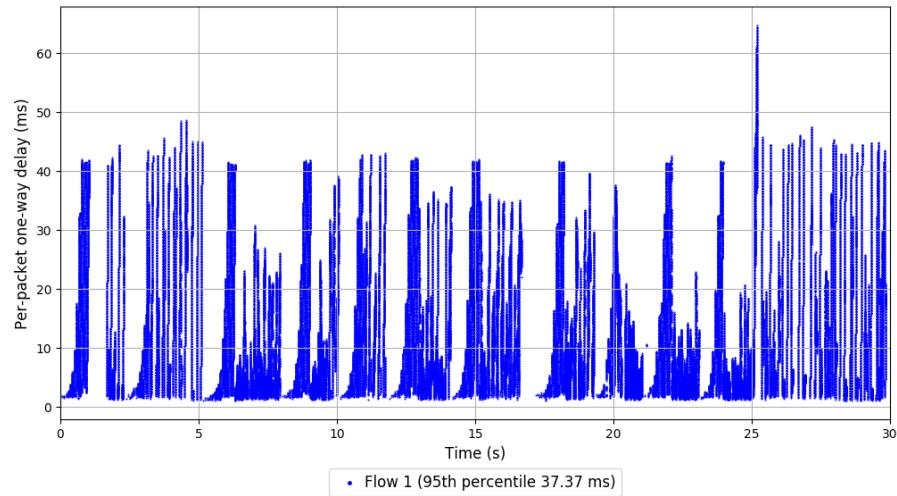
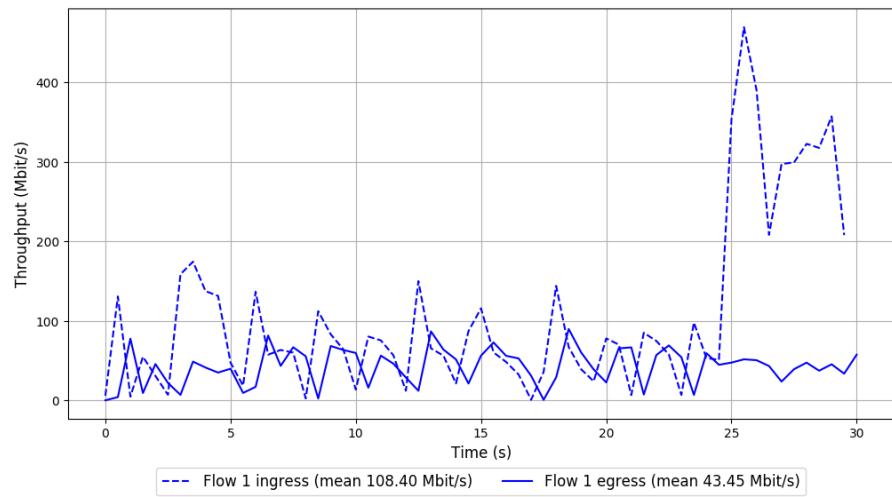


Run 1: Statistics of Verus

```
Start at: 2019-01-24 14:31:31
End at: 2019-01-24 14:32:01
Local clock offset: 3.308 ms
Remote clock offset: -5.883 ms

# Below is generated by plot.py at 2019-01-24 16:36:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.45 Mbit/s
95th percentile per-packet one-way delay: 37.367 ms
Loss rate: 59.90%
-- Flow 1:
Average throughput: 43.45 Mbit/s
95th percentile per-packet one-way delay: 37.367 ms
Loss rate: 59.90%
```

Run 1: Report of Verus — Data Link

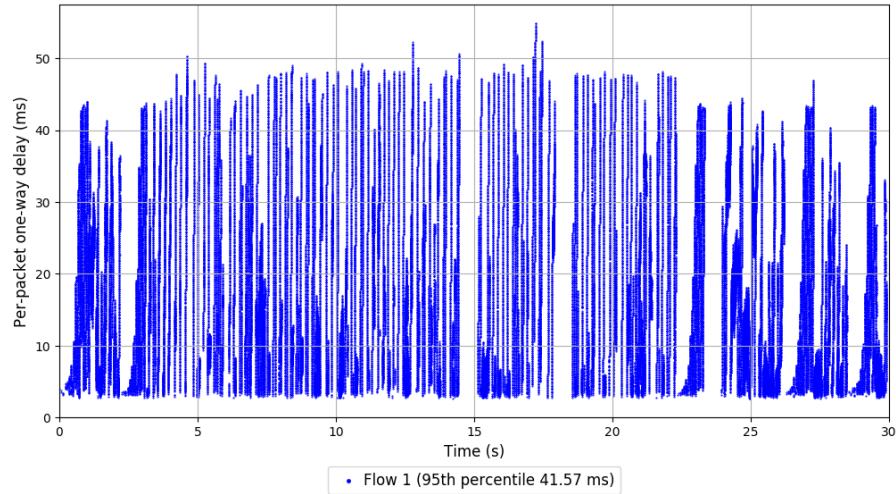
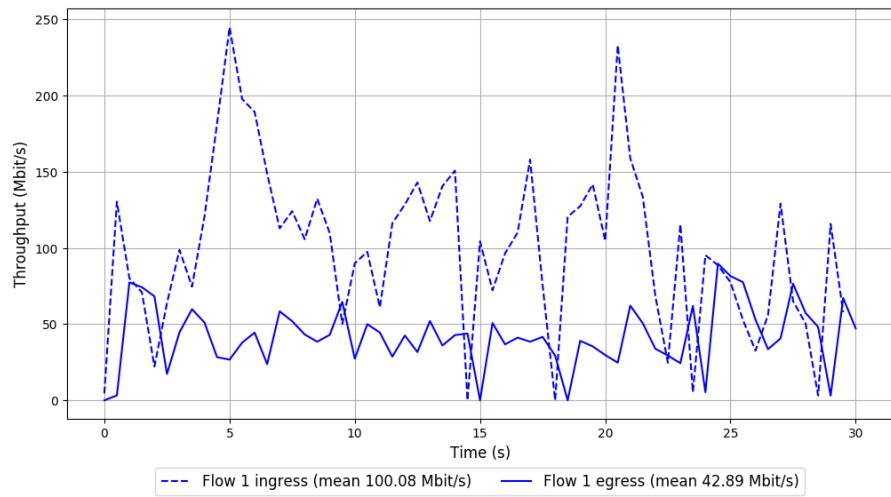


Run 2: Statistics of Verus

```
Start at: 2019-01-24 14:57:42
End at: 2019-01-24 14:58:12
Local clock offset: 4.573 ms
Remote clock offset: -2.219 ms

# Below is generated by plot.py at 2019-01-24 16:36:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.89 Mbit/s
95th percentile per-packet one-way delay: 41.568 ms
Loss rate: 57.12%
-- Flow 1:
Average throughput: 42.89 Mbit/s
95th percentile per-packet one-way delay: 41.568 ms
Loss rate: 57.12%
```

## Run 2: Report of Verus — Data Link

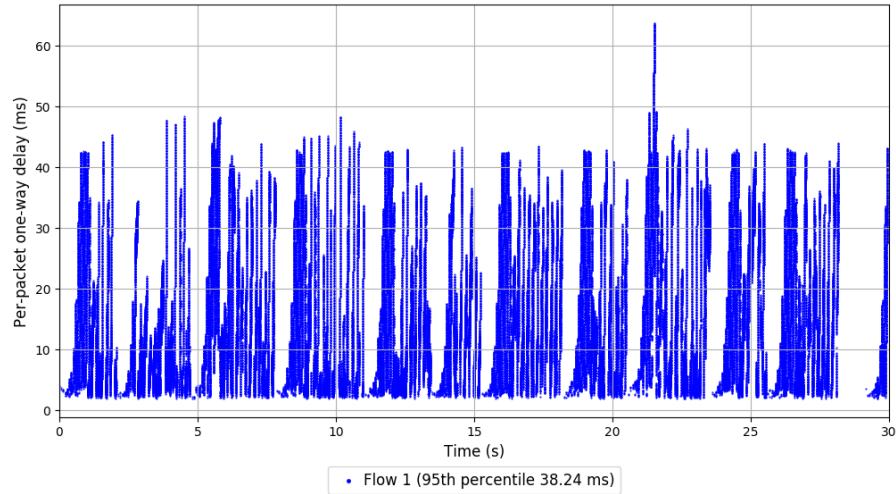
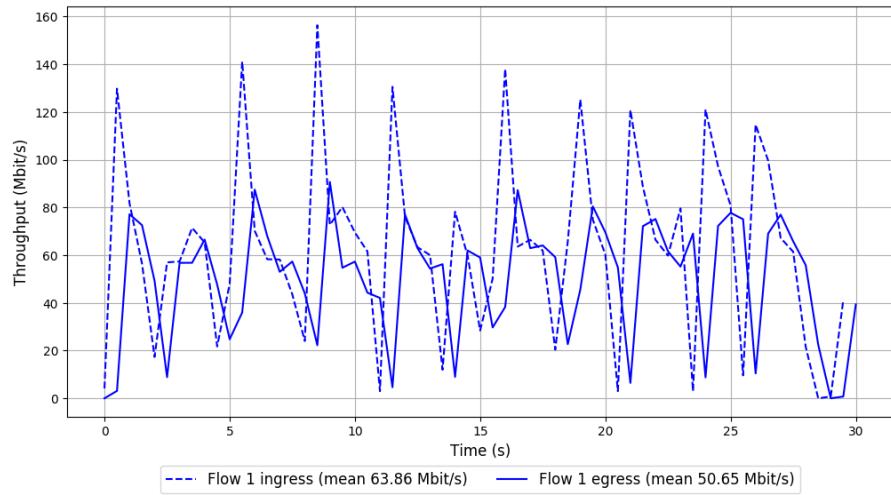


Run 3: Statistics of Verus

```
Start at: 2019-01-24 15:22:32
End at: 2019-01-24 15:23:02
Local clock offset: 2.046 ms
Remote clock offset: -3.369 ms

# Below is generated by plot.py at 2019-01-24 16:36:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.65 Mbit/s
95th percentile per-packet one-way delay: 38.243 ms
Loss rate: 20.58%
-- Flow 1:
Average throughput: 50.65 Mbit/s
95th percentile per-packet one-way delay: 38.243 ms
Loss rate: 20.58%
```

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

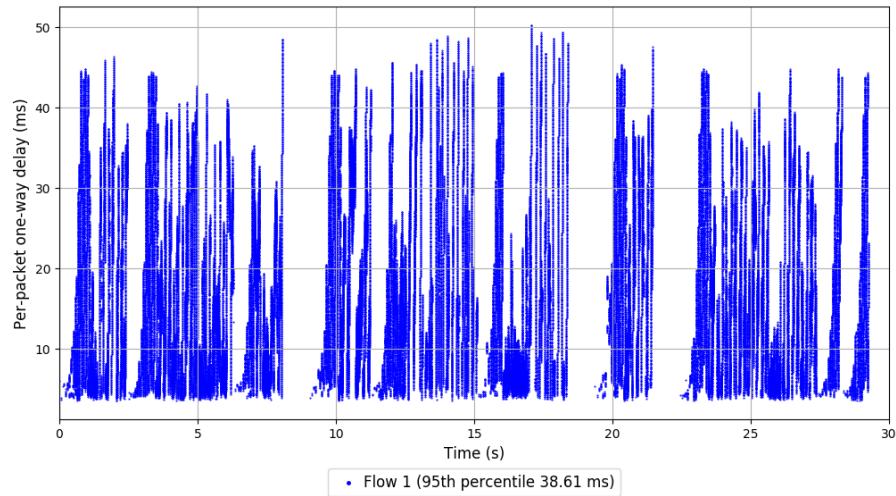
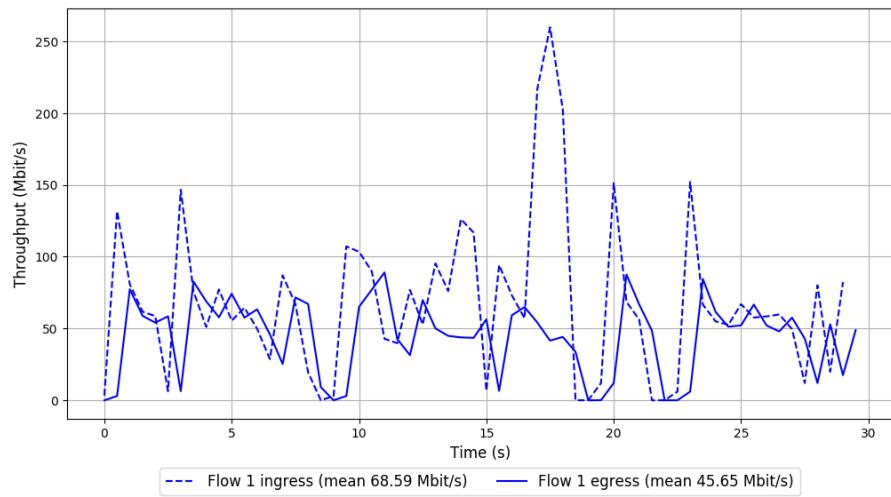


Run 4: Statistics of Verus

```
Start at: 2019-01-24 15:48:50
End at: 2019-01-24 15:49:20
Local clock offset: 3.471 ms
Remote clock offset: -1.392 ms

# Below is generated by plot.py at 2019-01-24 16:36:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.65 Mbit/s
95th percentile per-packet one-way delay: 38.612 ms
Loss rate: 33.42%
-- Flow 1:
Average throughput: 45.65 Mbit/s
95th percentile per-packet one-way delay: 38.612 ms
Loss rate: 33.42%
```

## Run 4: Report of Verus — Data Link

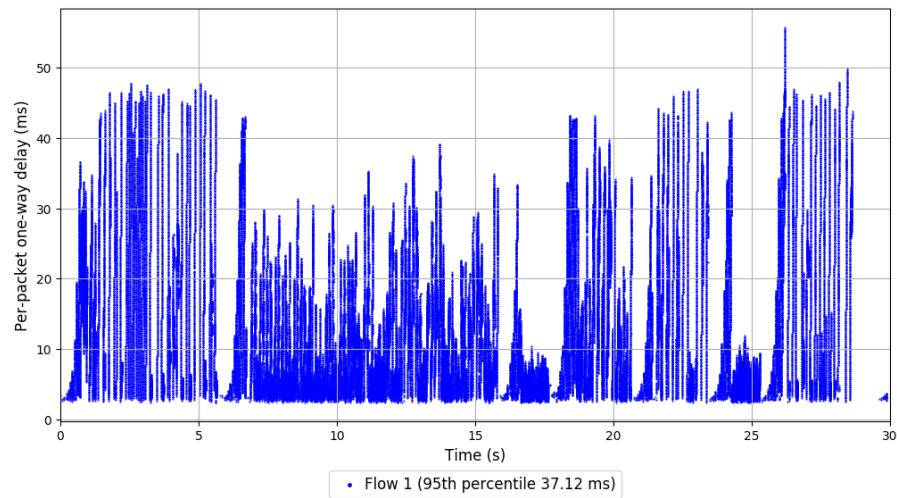
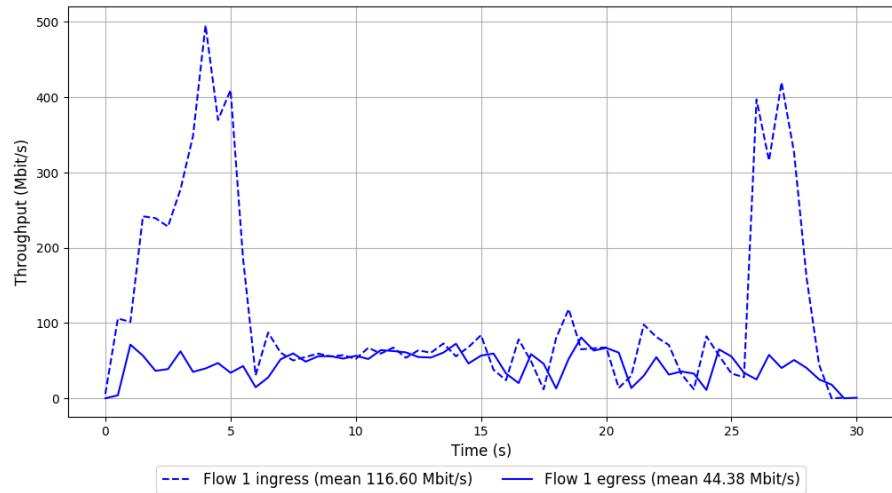


Run 5: Statistics of Verus

```
Start at: 2019-01-24 16:14:59
End at: 2019-01-24 16:15:29
Local clock offset: 0.522 ms
Remote clock offset: -4.48 ms

# Below is generated by plot.py at 2019-01-24 16:36:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.38 Mbit/s
95th percentile per-packet one-way delay: 37.125 ms
Loss rate: 61.94%
-- Flow 1:
Average throughput: 44.38 Mbit/s
95th percentile per-packet one-way delay: 37.125 ms
Loss rate: 61.94%
```

## Run 5: Report of Verus — Data Link

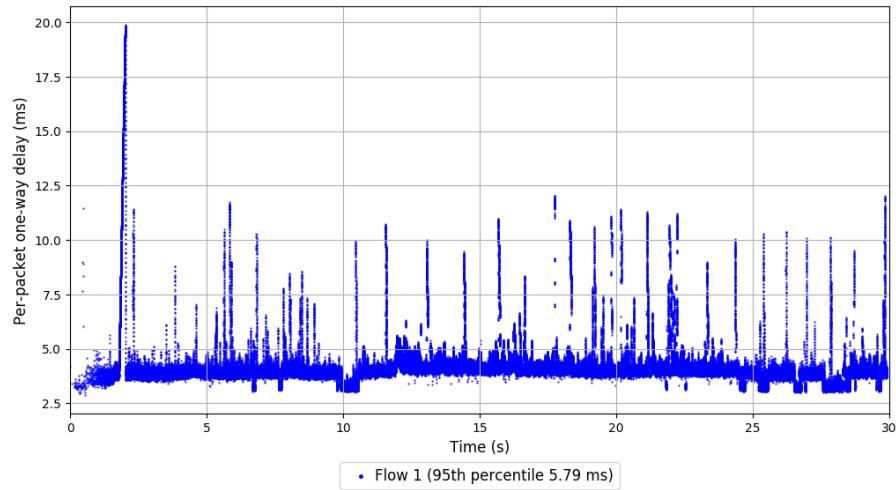
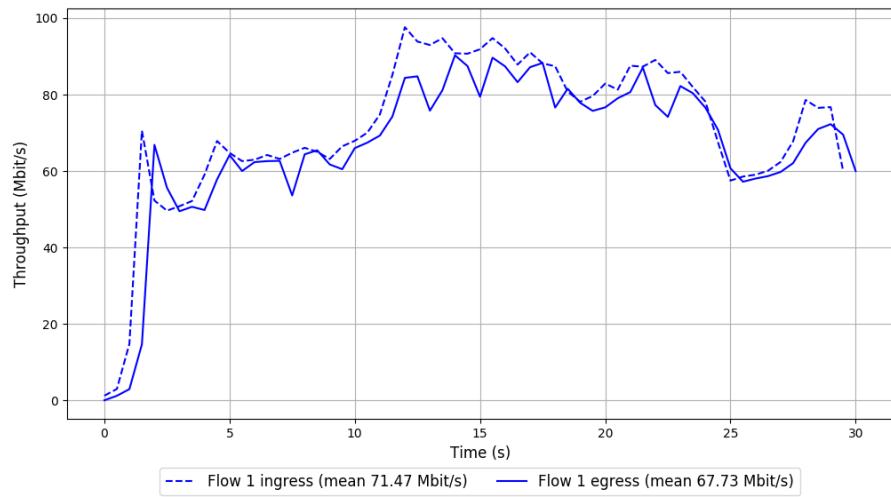


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-01-24 14:38:52
End at: 2019-01-24 14:39:22
Local clock offset: 2.403 ms
Remote clock offset: -3.985 ms

# Below is generated by plot.py at 2019-01-24 16:36:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.73 Mbit/s
95th percentile per-packet one-way delay: 5.786 ms
Loss rate: 5.23%
-- Flow 1:
Average throughput: 67.73 Mbit/s
95th percentile per-packet one-way delay: 5.786 ms
Loss rate: 5.23%
```

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

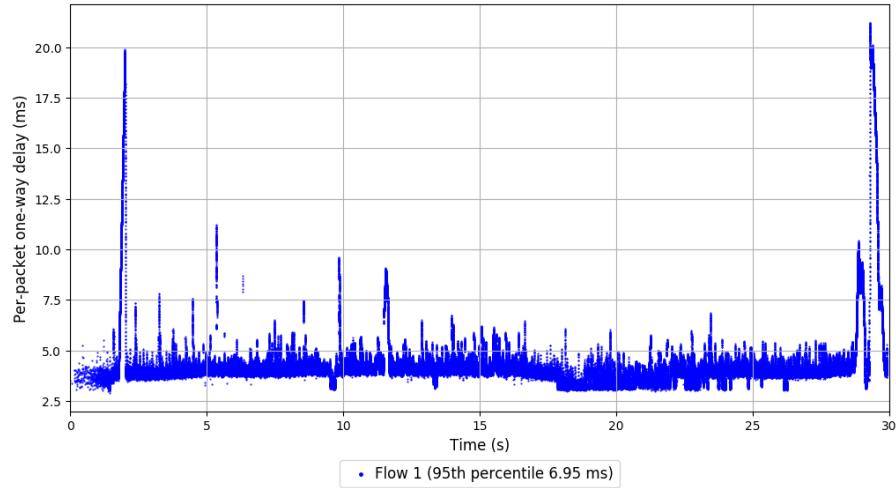
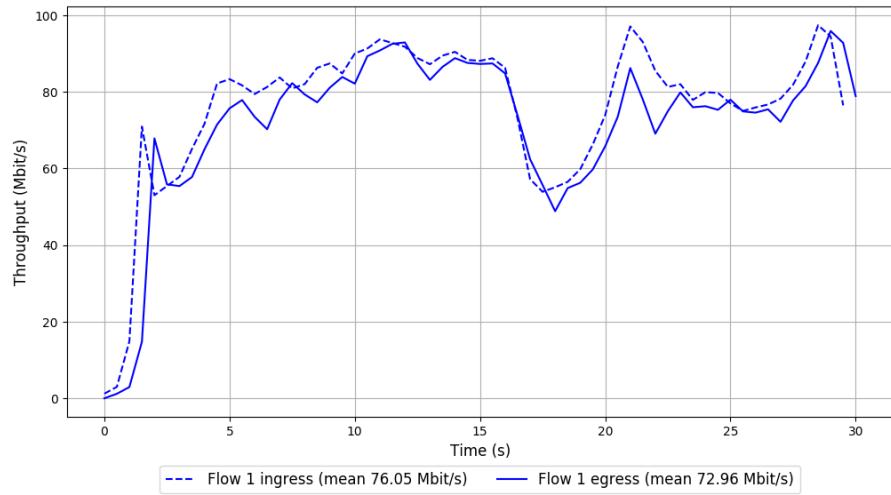


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-01-24 15:04:44
End at: 2019-01-24 15:05:14
Local clock offset: 1.661 ms
Remote clock offset: -3.66 ms

# Below is generated by plot.py at 2019-01-24 16:36:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.96 Mbit/s
95th percentile per-packet one-way delay: 6.951 ms
Loss rate: 4.06%
-- Flow 1:
Average throughput: 72.96 Mbit/s
95th percentile per-packet one-way delay: 6.951 ms
Loss rate: 4.06%
```

Run 2: Report of PCC-Vivace — Data Link

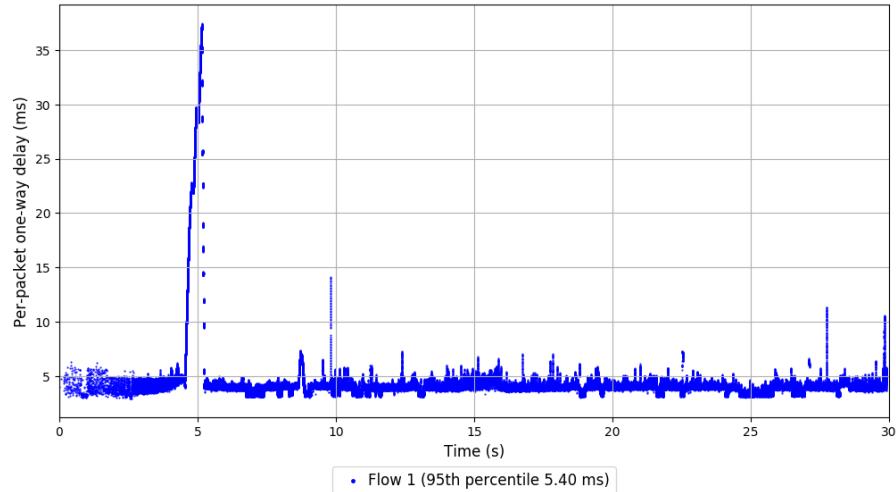
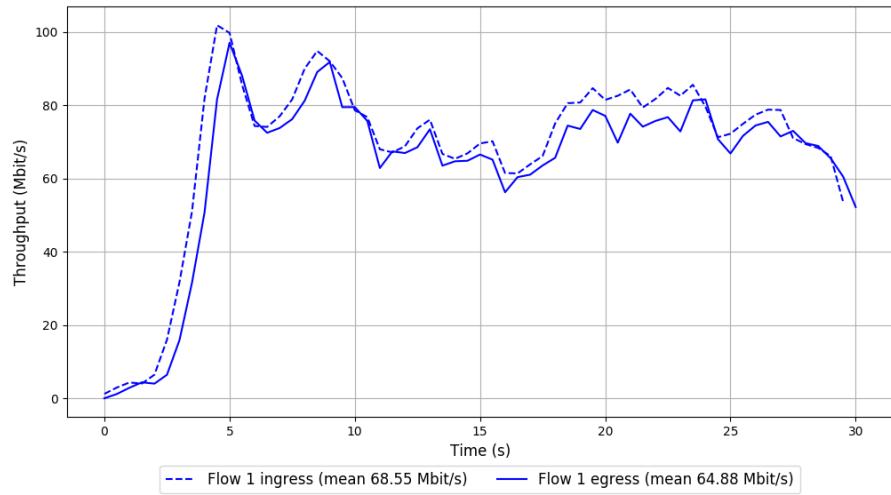


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-01-24 15:29:48
End at: 2019-01-24 15:30:18
Local clock offset: 0.383 ms
Remote clock offset: -3.944 ms

# Below is generated by plot.py at 2019-01-24 16:36:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.88 Mbit/s
95th percentile per-packet one-way delay: 5.397 ms
Loss rate: 5.35%
-- Flow 1:
Average throughput: 64.88 Mbit/s
95th percentile per-packet one-way delay: 5.397 ms
Loss rate: 5.35%
```

Run 3: Report of PCC-Vivace — Data Link

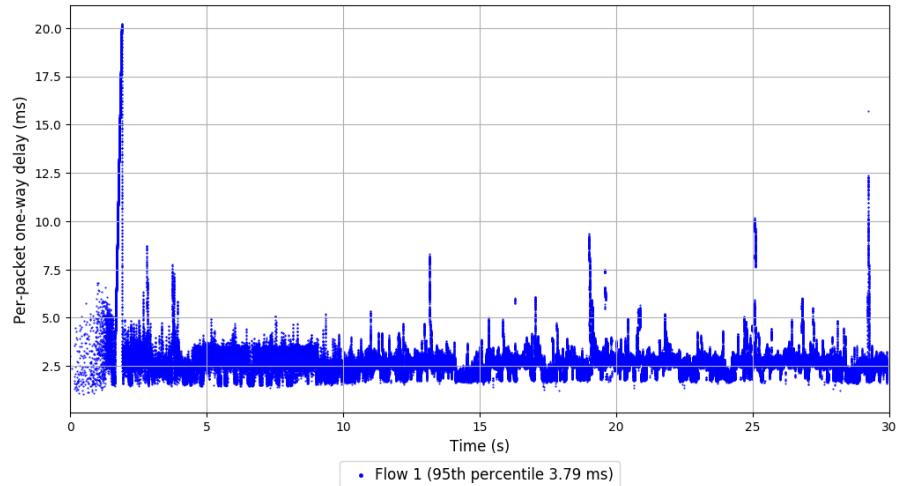
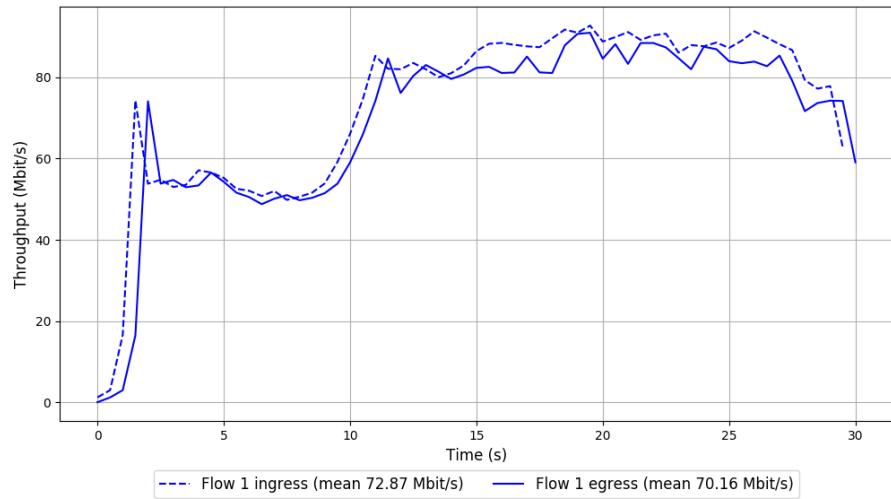


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-01-24 15:56:13
End at: 2019-01-24 15:56:43
Local clock offset: 4.004 ms
Remote clock offset: -3.64 ms

# Below is generated by plot.py at 2019-01-24 16:36:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.16 Mbit/s
95th percentile per-packet one-way delay: 3.793 ms
Loss rate: 3.72%
-- Flow 1:
Average throughput: 70.16 Mbit/s
95th percentile per-packet one-way delay: 3.793 ms
Loss rate: 3.72%
```

Run 4: Report of PCC-Vivace — Data Link

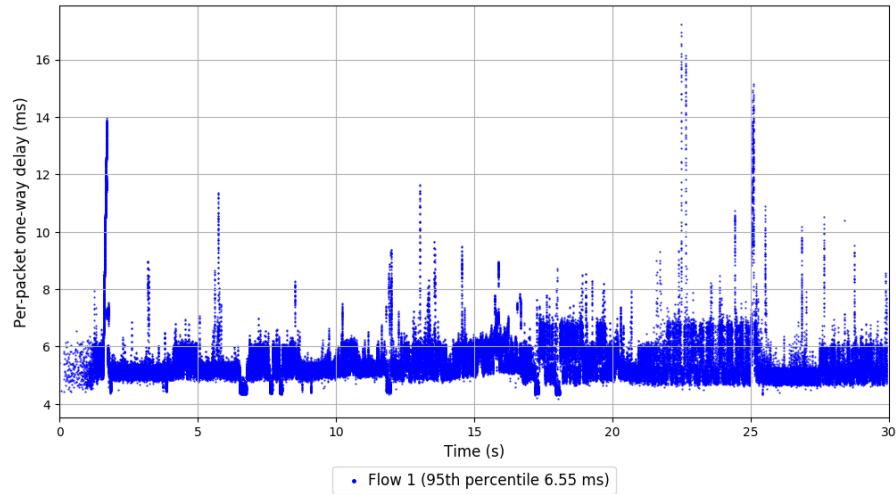
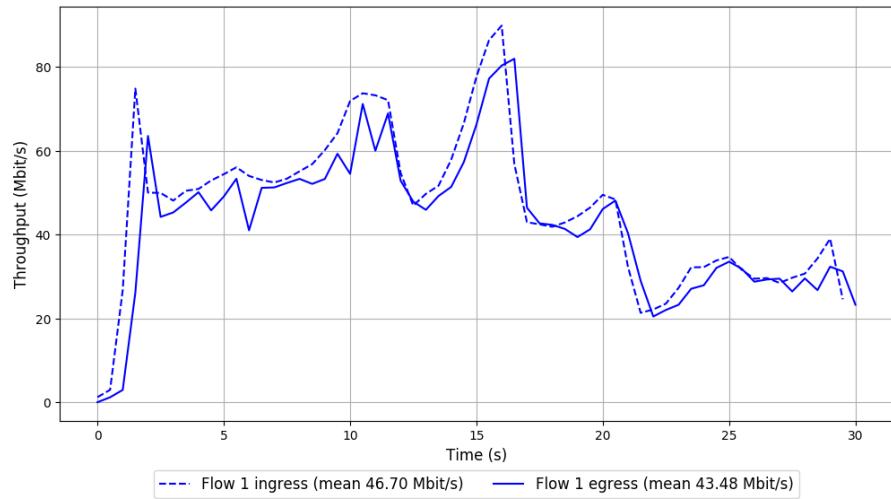


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-01-24 16:22:02
End at: 2019-01-24 16:22:32
Local clock offset: -1.726 ms
Remote clock offset: -4.502 ms

# Below is generated by plot.py at 2019-01-24 16:36:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.48 Mbit/s
95th percentile per-packet one-way delay: 6.555 ms
Loss rate: 6.89%
-- Flow 1:
Average throughput: 43.48 Mbit/s
95th percentile per-packet one-way delay: 6.555 ms
Loss rate: 6.89%
```

Run 5: Report of PCC-Vivace — Data Link

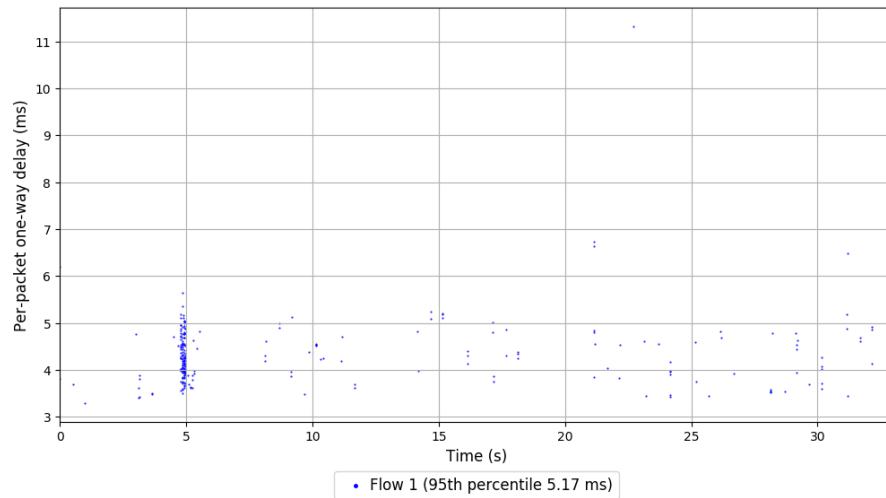
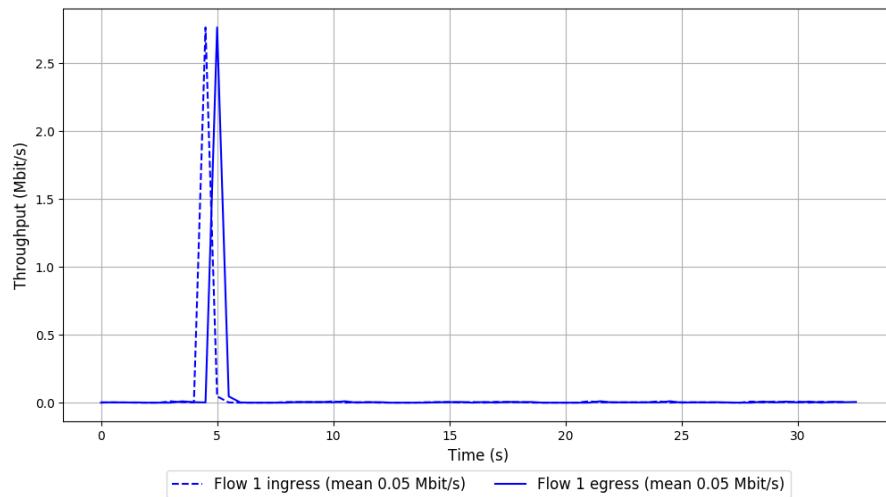


Run 1: Statistics of WebRTC media

```
Start at: 2019-01-24 14:43:59
End at: 2019-01-24 14:44:29
Local clock offset: 2.073 ms
Remote clock offset: -3.648 ms

# Below is generated by plot.py at 2019-01-24 16:36:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 5.170 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 5.170 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

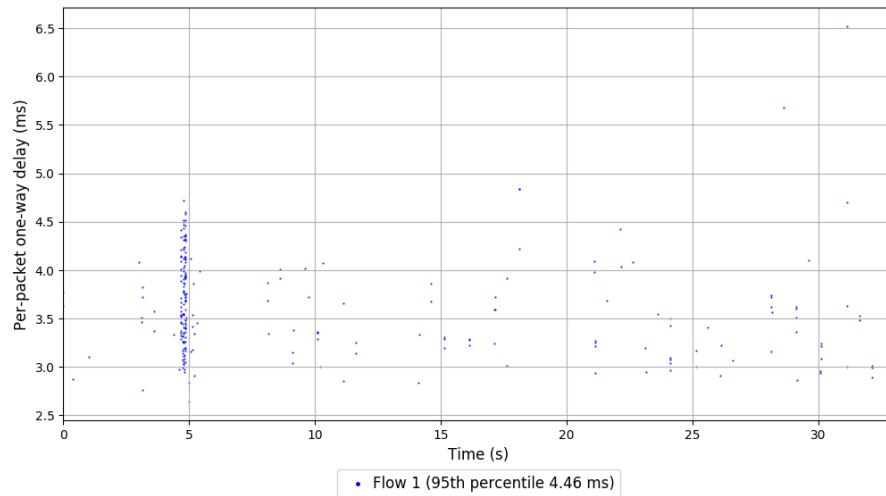
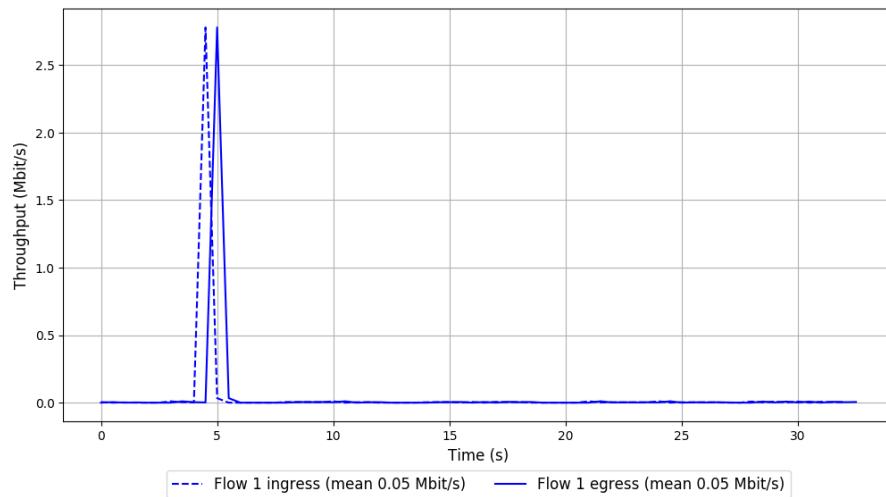


Run 2: Statistics of WebRTC media

```
Start at: 2019-01-24 15:09:43
End at: 2019-01-24 15:10:13
Local clock offset: 2.016 ms
Remote clock offset: -3.103 ms

# Below is generated by plot.py at 2019-01-24 16:36:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.456 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

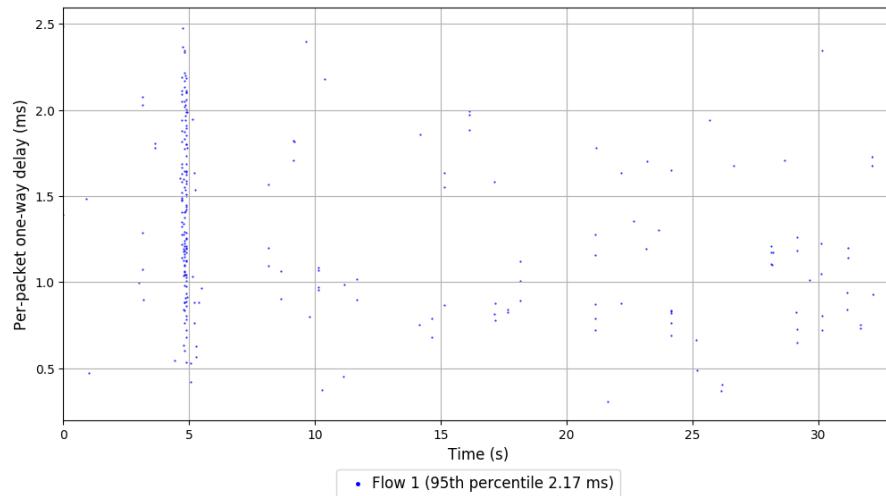
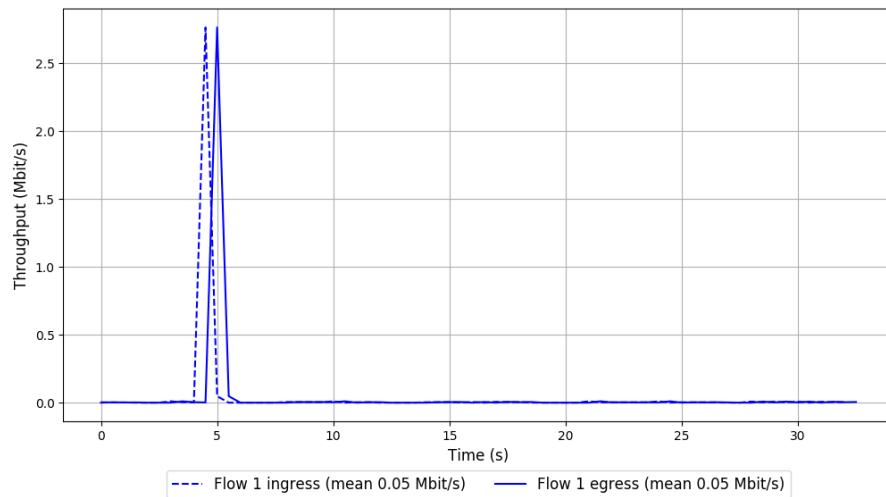


Run 3: Statistics of WebRTC media

```
Start at: 2019-01-24 15:35:19
End at: 2019-01-24 15:35:49
Local clock offset: 2.849 ms
Remote clock offset: -4.715 ms

# Below is generated by plot.py at 2019-01-24 16:36:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.170 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.170 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

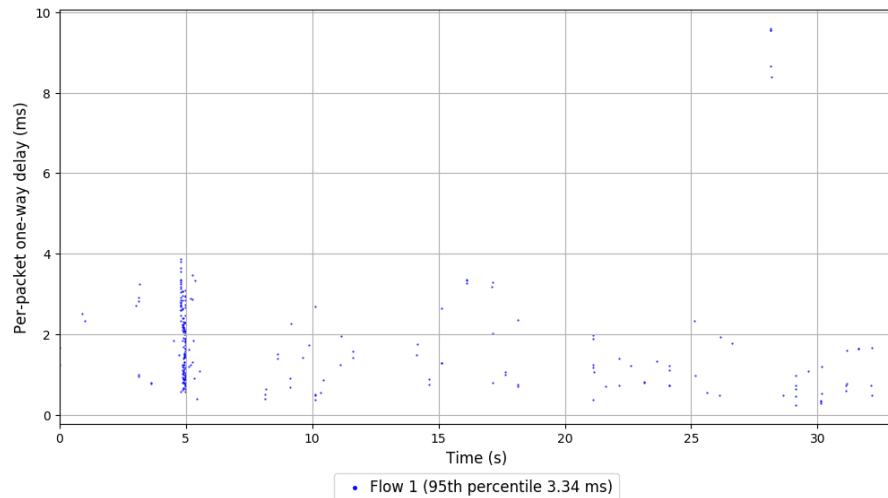
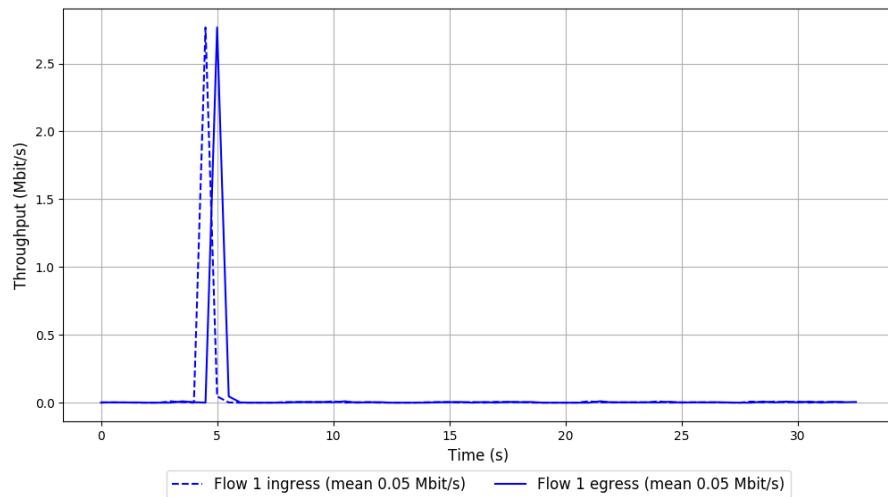


Run 4: Statistics of WebRTC media

```
Start at: 2019-01-24 16:01:38
End at: 2019-01-24 16:02:08
Local clock offset: 4.291 ms
Remote clock offset: -3.835 ms

# Below is generated by plot.py at 2019-01-24 16:36:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.337 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.337 ms
Loss rate: 0.11%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-01-24 16:26:41
End at: 2019-01-24 16:27:11
Local clock offset: -4.094 ms
Remote clock offset: -4.239 ms

# Below is generated by plot.py at 2019-01-24 16:36:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 9.508 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 9.508 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

