

## Pantheon Report

Generated at 2019-02-11 14:17:04 (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.

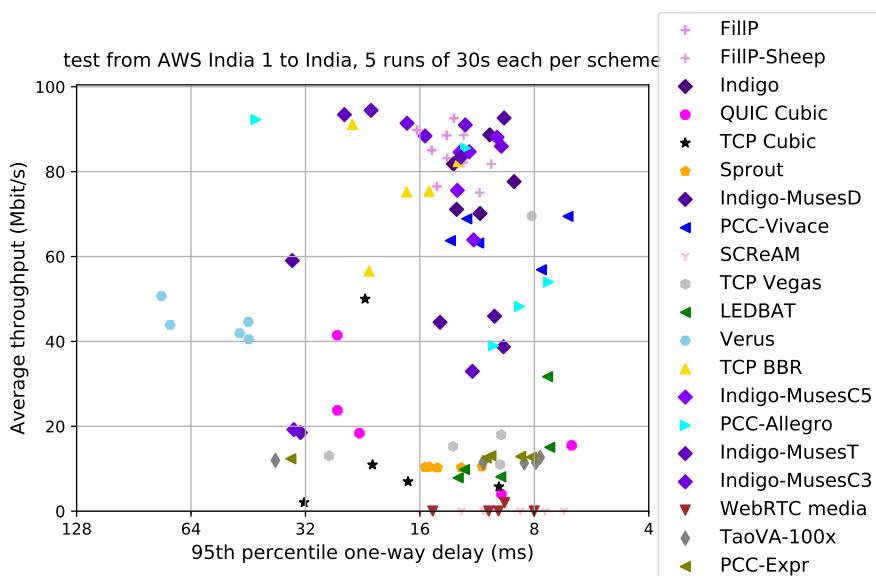
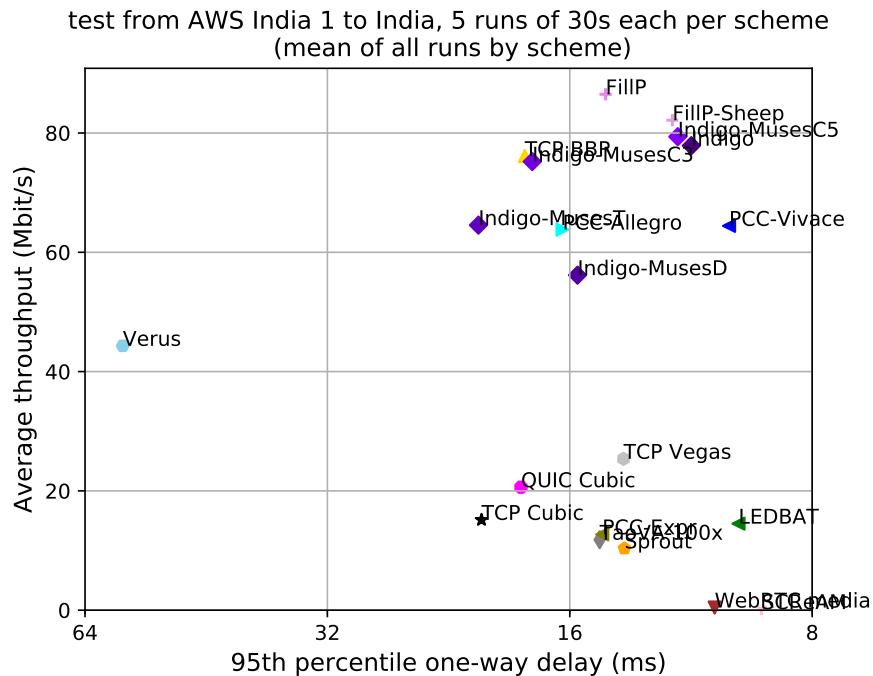
System info:

```
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 @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-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



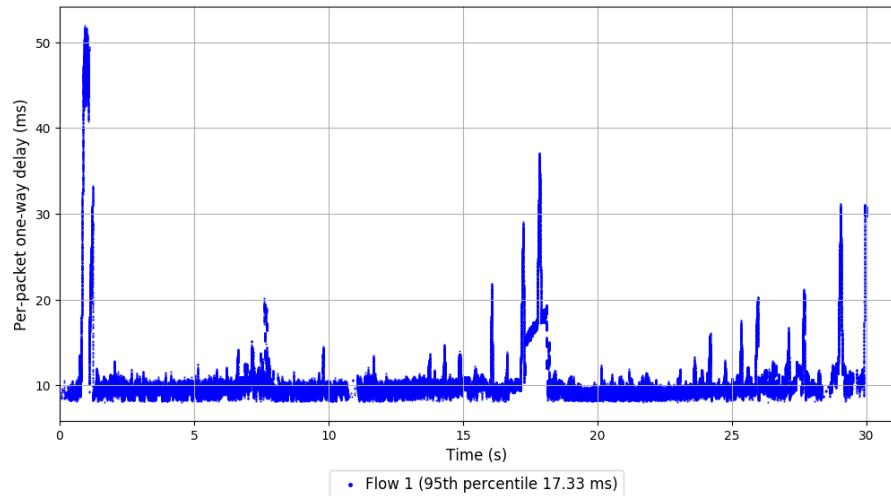
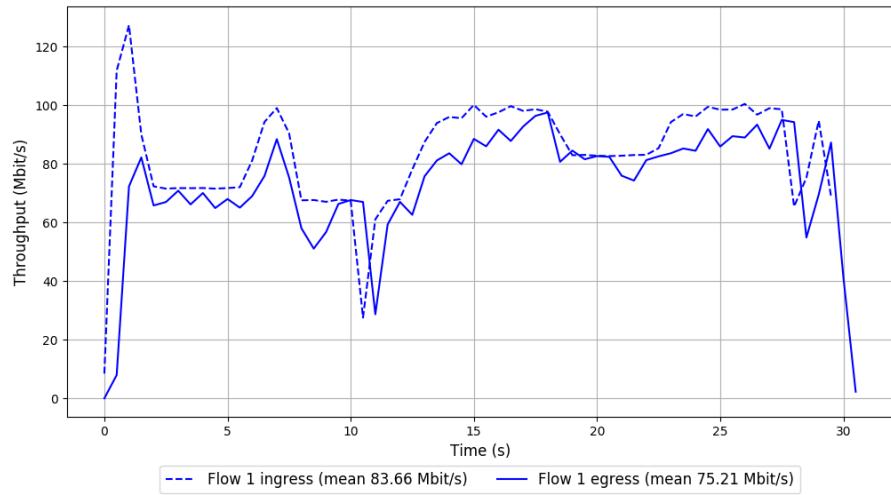
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	76.13	18.20	10.09
Copa	0	N/A	N/A	N/A
TCP Cubic	5	15.13	20.59	1.77
FillP	5	86.49	14.44	7.43
FillP-Sheep	5	82.14	11.93	7.65
Indigo	5	77.87	11.30	6.26
Indigo-MusesC3	5	75.20	17.81	5.73
Indigo-MusesC5	5	79.38	11.75	9.46
Indigo-MusesD	5	56.17	15.65	6.56
Indigo-MusesT	5	64.55	20.78	11.02
LEDBAT	5	14.50	9.88	0.24
PCC-Allegro	5	63.80	16.33	8.88
PCC-Expr	5	12.71	14.58	35.45
QUIC Cubic	5	20.62	18.39	3.77
SCReAM	5	0.18	9.25	1.13
Sprout	5	10.36	13.68	0.83
TaoVA-100x	5	11.81	14.69	27.64
TCP Vegas	5	25.38	13.72	1.90
Verus	5	44.32	57.44	55.93
PCC-Vivace	5	64.43	10.15	3.96
WebRTC media	5	0.44	10.57	0.36

Run 1: Statistics of TCP BBR

```
Start at: 2019-02-11 12:18:26
End at: 2019-02-11 12:18:56
Local clock offset: -0.141 ms
Remote clock offset: 0.128 ms

# Below is generated by plot.py at 2019-02-11 14:10:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.21 Mbit/s
95th percentile per-packet one-way delay: 17.329 ms
Loss rate: 10.04%
-- Flow 1:
Average throughput: 75.21 Mbit/s
95th percentile per-packet one-way delay: 17.329 ms
Loss rate: 10.04%
```

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

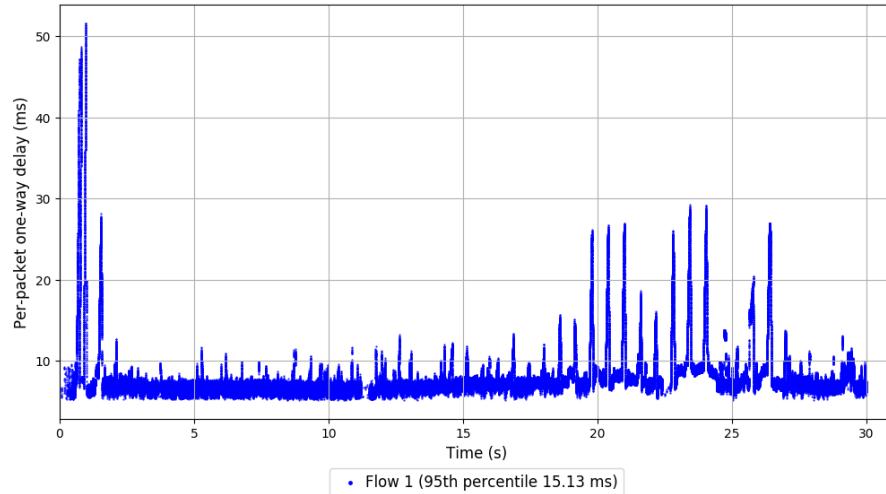
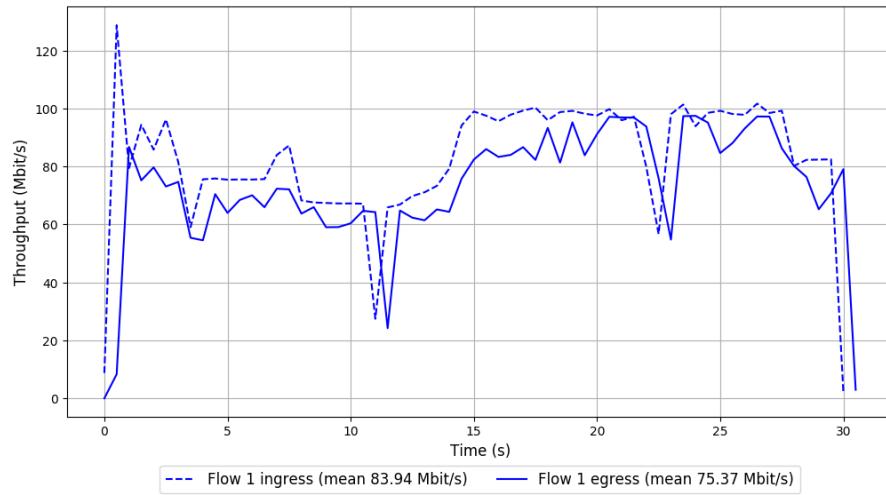


Run 2: Statistics of TCP BBR

```
Start at: 2019-02-11 12:44:10
End at: 2019-02-11 12:44:40
Local clock offset: -2.919 ms
Remote clock offset: -3.434 ms

# Below is generated by plot.py at 2019-02-11 14:10:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.37 Mbit/s
95th percentile per-packet one-way delay: 15.132 ms
Loss rate: 10.20%
-- Flow 1:
Average throughput: 75.37 Mbit/s
95th percentile per-packet one-way delay: 15.132 ms
Loss rate: 10.20%
```

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

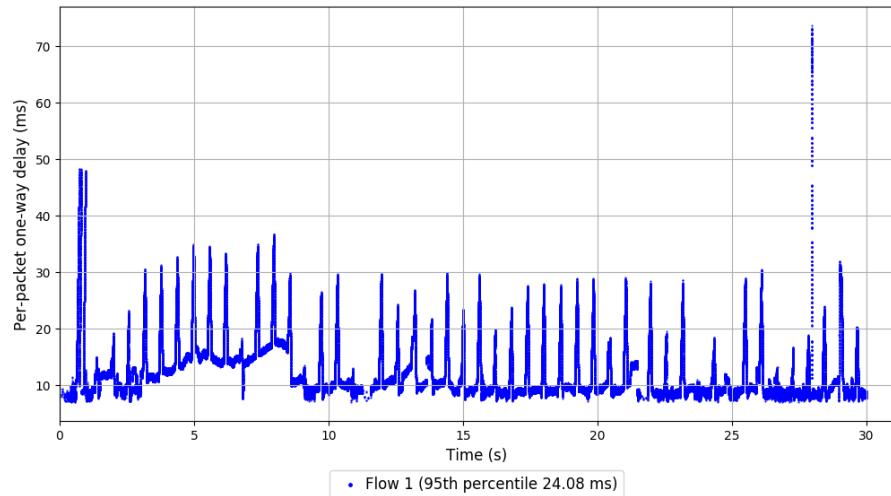
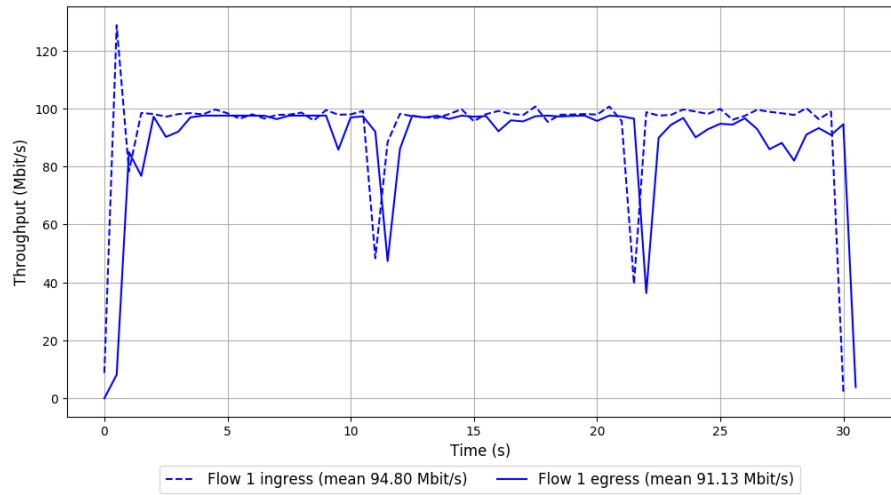


Run 3: Statistics of TCP BBR

```
Start at: 2019-02-11 13:09:38
End at: 2019-02-11 13:10:08
Local clock offset: -6.404 ms
Remote clock offset: -3.137 ms

# Below is generated by plot.py at 2019-02-11 14:10:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.13 Mbit/s
95th percentile per-packet one-way delay: 24.079 ms
Loss rate: 3.87%
-- Flow 1:
Average throughput: 91.13 Mbit/s
95th percentile per-packet one-way delay: 24.079 ms
Loss rate: 3.87%
```

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

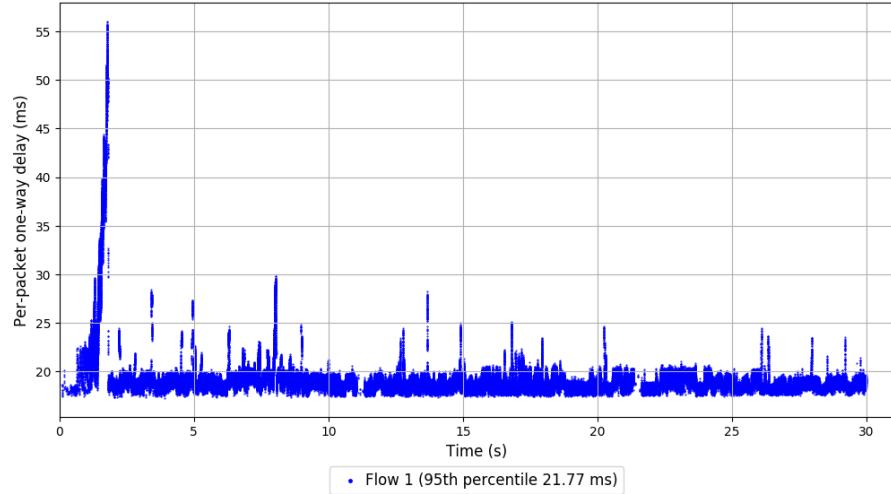
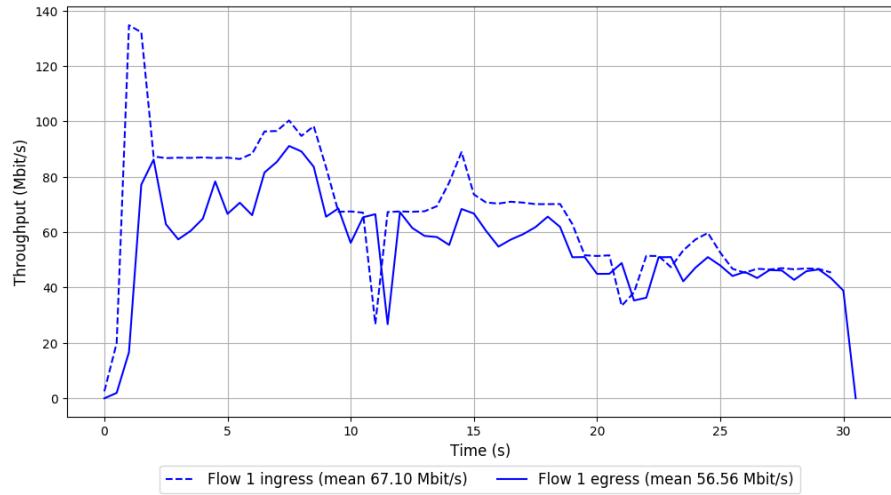


Run 4: Statistics of TCP BBR

```
Start at: 2019-02-11 13:35:13
End at: 2019-02-11 13:35:43
Local clock offset: -3.284 ms
Remote clock offset: 9.601 ms

# Below is generated by plot.py at 2019-02-11 14:10:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.56 Mbit/s
95th percentile per-packet one-way delay: 21.767 ms
Loss rate: 15.71%
-- Flow 1:
Average throughput: 56.56 Mbit/s
95th percentile per-packet one-way delay: 21.767 ms
Loss rate: 15.71%
```

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

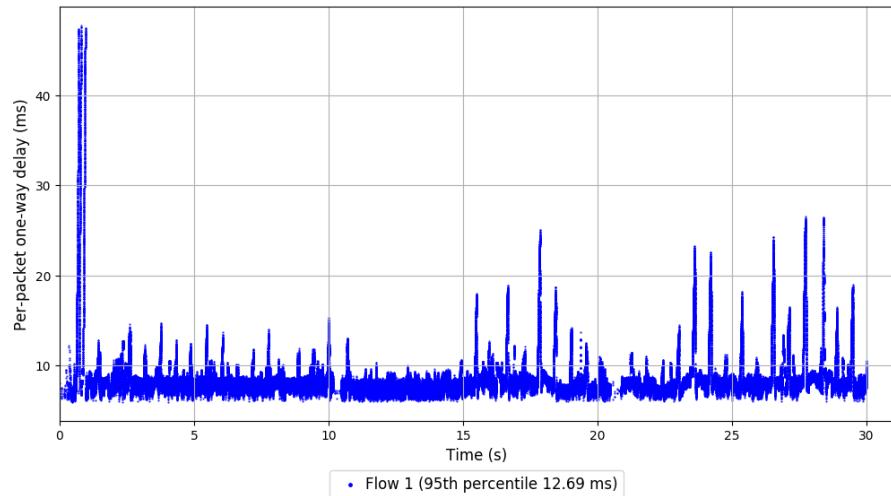
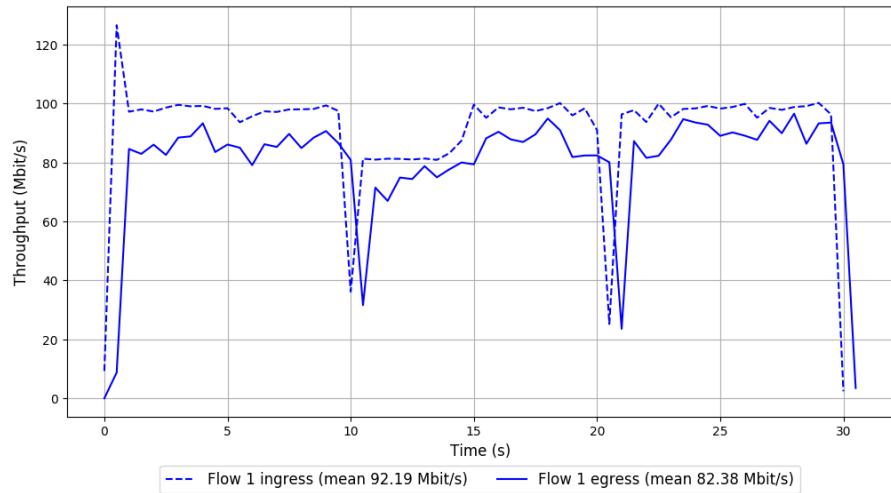


Run 5: Statistics of TCP BBR

```
Start at: 2019-02-11 14:01:02
End at: 2019-02-11 14:01:32
Local clock offset: 0.036 ms
Remote clock offset: -2.969 ms

# Below is generated by plot.py at 2019-02-11 14:10:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.38 Mbit/s
95th percentile per-packet one-way delay: 12.693 ms
Loss rate: 10.64%
-- Flow 1:
Average throughput: 82.38 Mbit/s
95th percentile per-packet one-way delay: 12.693 ms
Loss rate: 10.64%
```

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



Run 1: Statistics of Copa

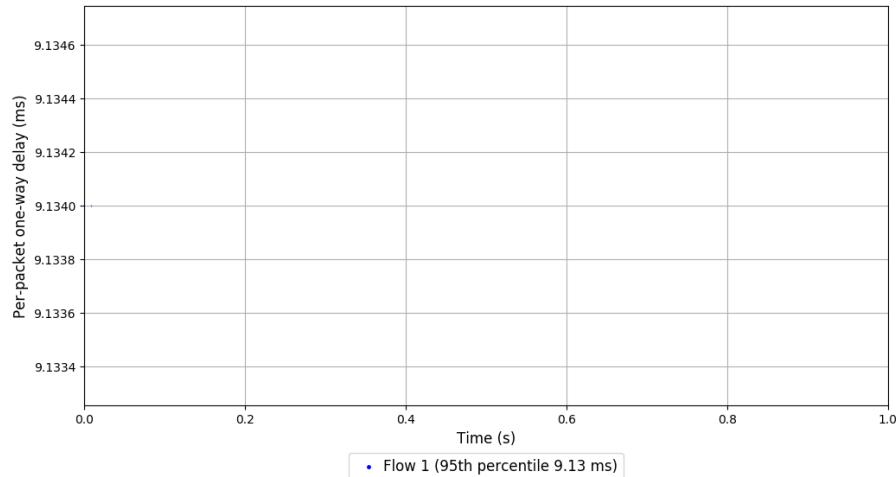
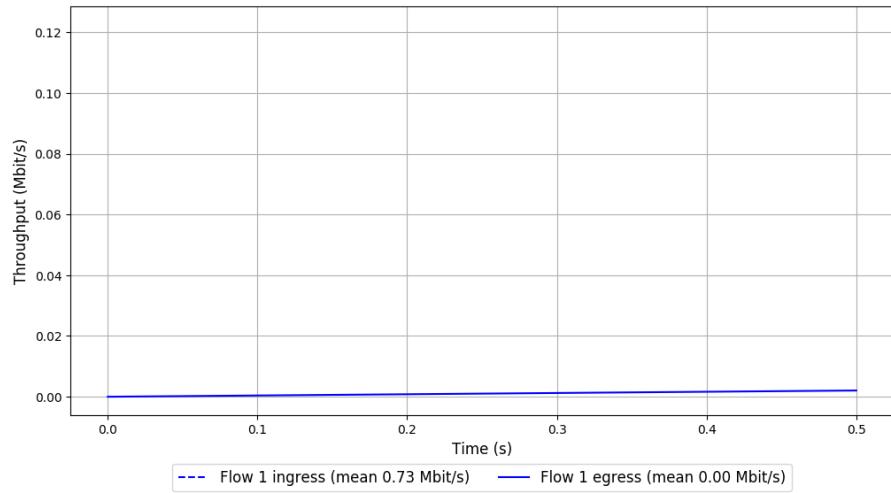
Start at: 2019-02-11 12:12:02

End at: 2019-02-11 12:12:32

Local clock offset: -1.459 ms

Remote clock offset: 0.261 ms

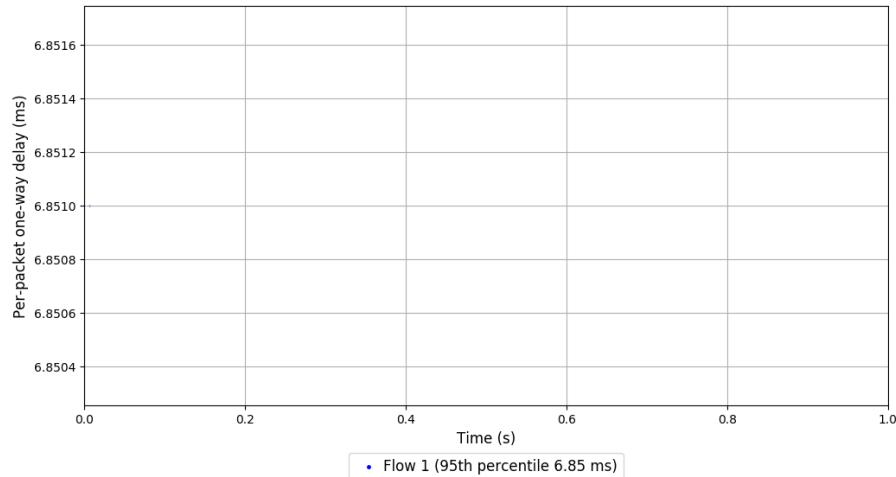
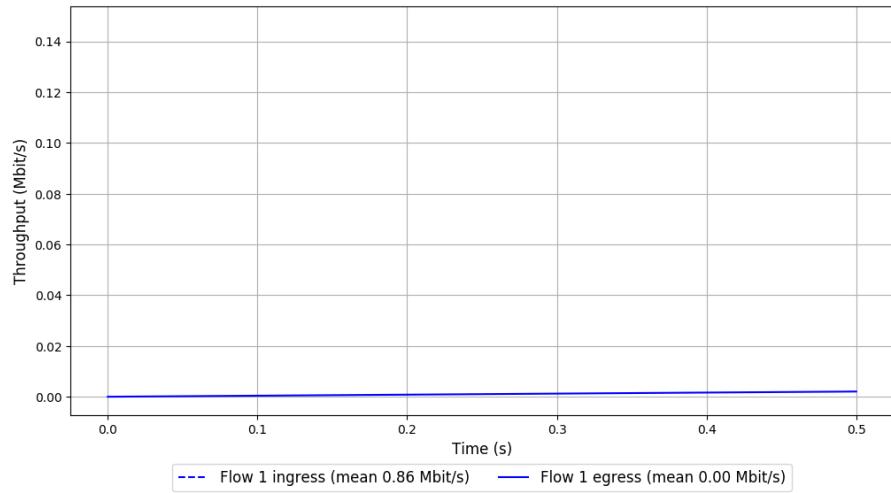
## Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-02-11 12:38:15  
End at: 2019-02-11 12:38:45  
Local clock offset: -1.681 ms  
Remote clock offset: -3.579 ms

## Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

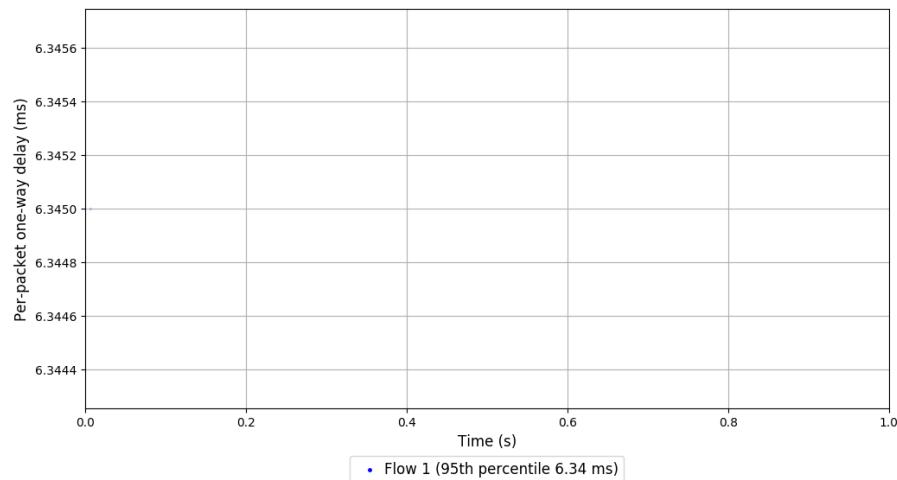
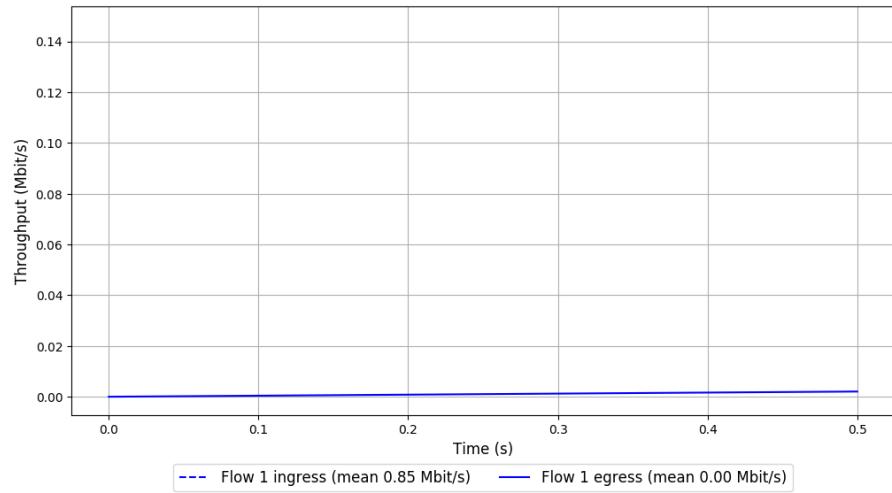
Start at: 2019-02-11 13:03:42

End at: 2019-02-11 13:04:12

Local clock offset: -5.543 ms

Remote clock offset: -3.85 ms

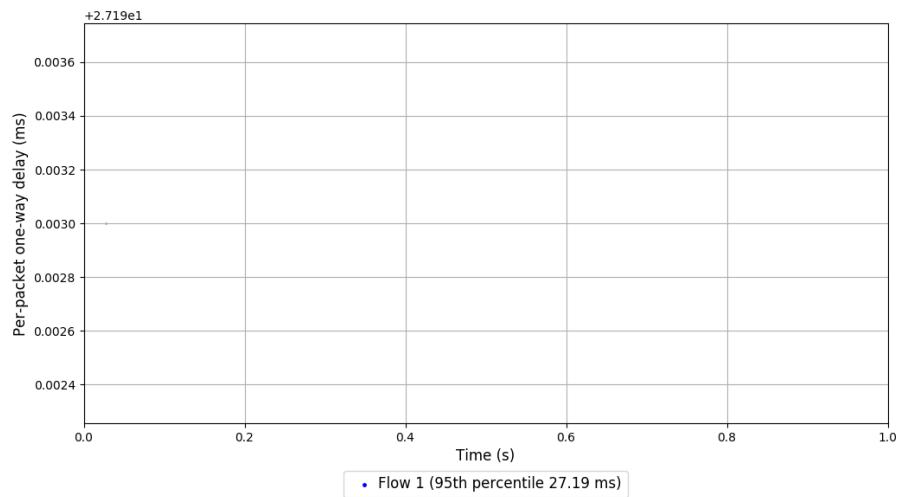
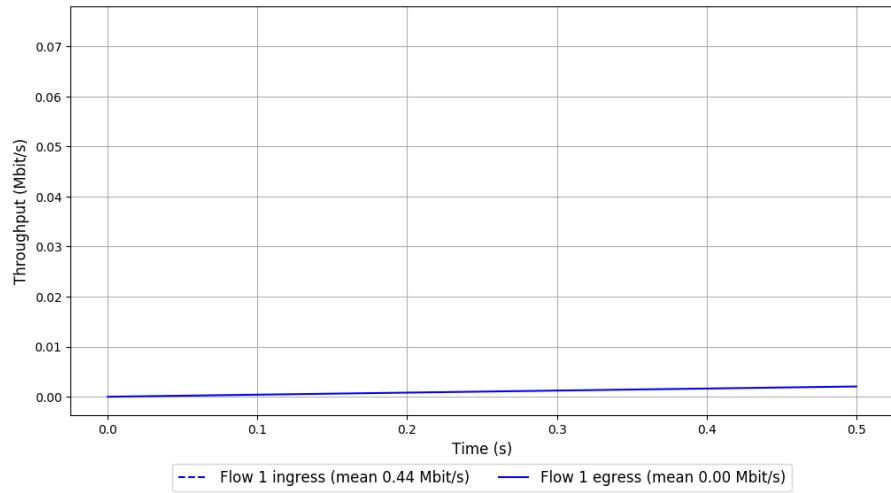
### Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-02-11 13:29:17  
End at: 2019-02-11 13:29:47  
Local clock offset: -3.604 ms  
Remote clock offset: 18.841 ms

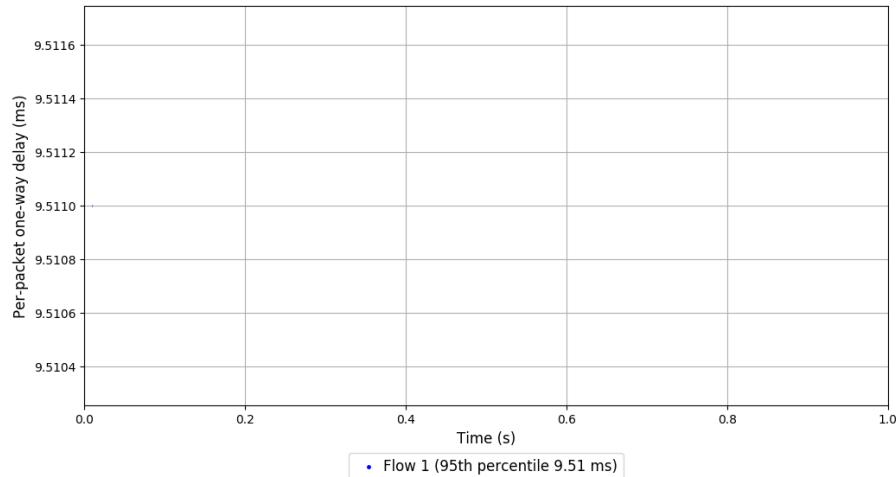
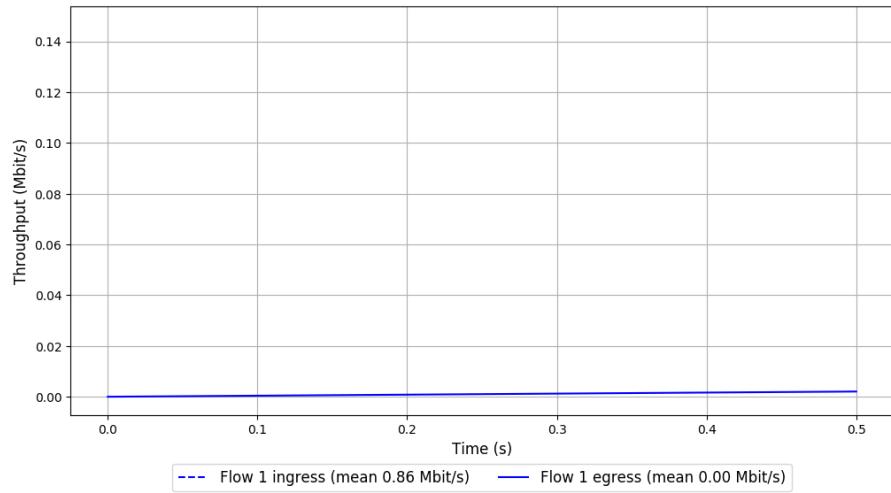
## Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-02-11 13:54:44  
End at: 2019-02-11 13:55:14  
Local clock offset: -1.376 ms  
Remote clock offset: -1.307 ms

## Run 5: Report of Copa — Data Link

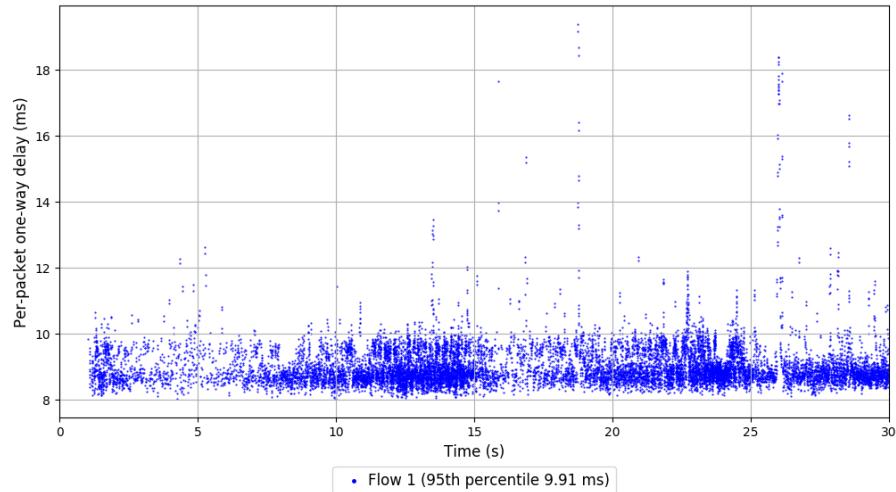
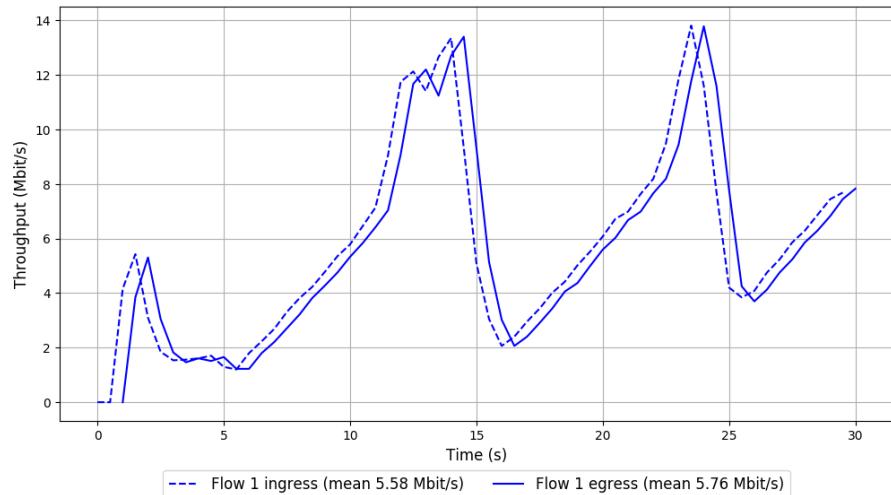


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-02-11 12:10:55
End at: 2019-02-11 12:11:25
Local clock offset: -1.432 ms
Remote clock offset: 0.134 ms

# Below is generated by plot.py at 2019-02-11 14:10:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.76 Mbit/s
95th percentile per-packet one-way delay: 9.911 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 5.76 Mbit/s
95th percentile per-packet one-way delay: 9.911 ms
Loss rate: 0.31%
```

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

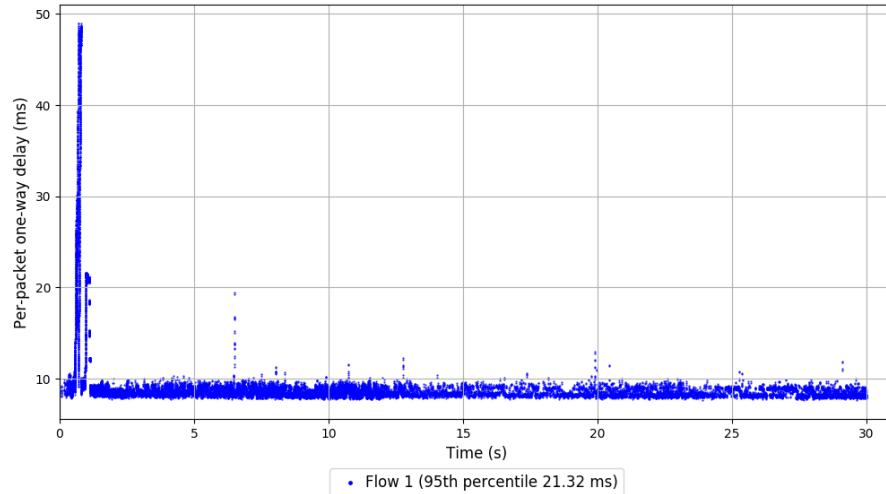
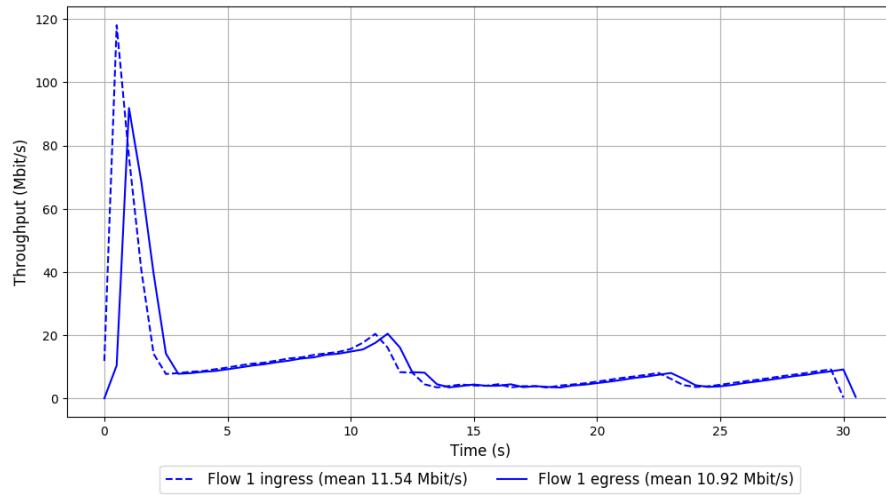


Run 2: Statistics of TCP Cubic

```
Start at: 2019-02-11 12:37:06
End at: 2019-02-11 12:37:36
Local clock offset: -0.65 ms
Remote clock offset: -0.426 ms

# Below is generated by plot.py at 2019-02-11 14:10:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.92 Mbit/s
95th percentile per-packet one-way delay: 21.318 ms
Loss rate: 5.33%
-- Flow 1:
Average throughput: 10.92 Mbit/s
95th percentile per-packet one-way delay: 21.318 ms
Loss rate: 5.33%
```

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

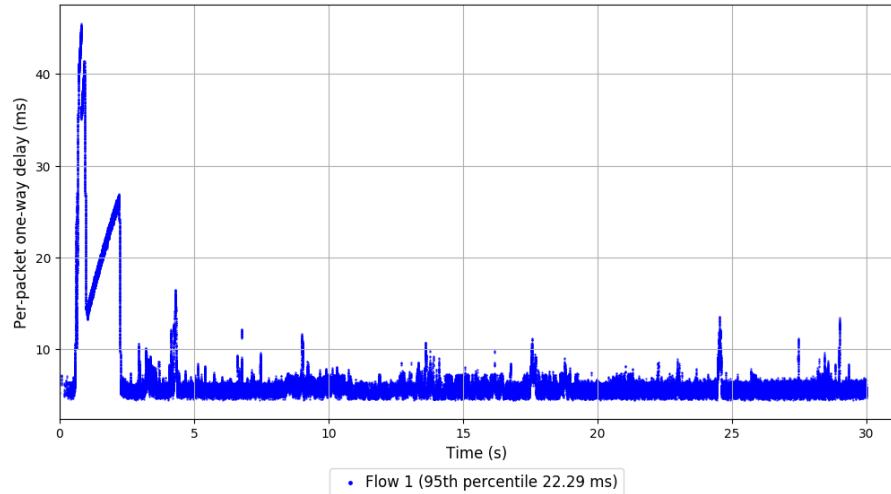
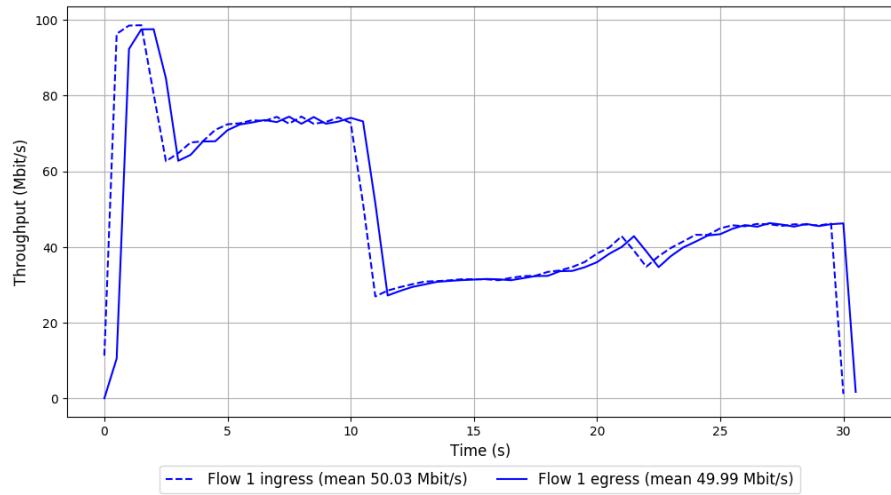


Run 3: Statistics of TCP Cubic

```
Start at: 2019-02-11 13:02:31
End at: 2019-02-11 13:03:01
Local clock offset: -5.361 ms
Remote clock offset: -3.478 ms

# Below is generated by plot.py at 2019-02-11 14:10:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 22.290 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 22.290 ms
Loss rate: 0.08%
```

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

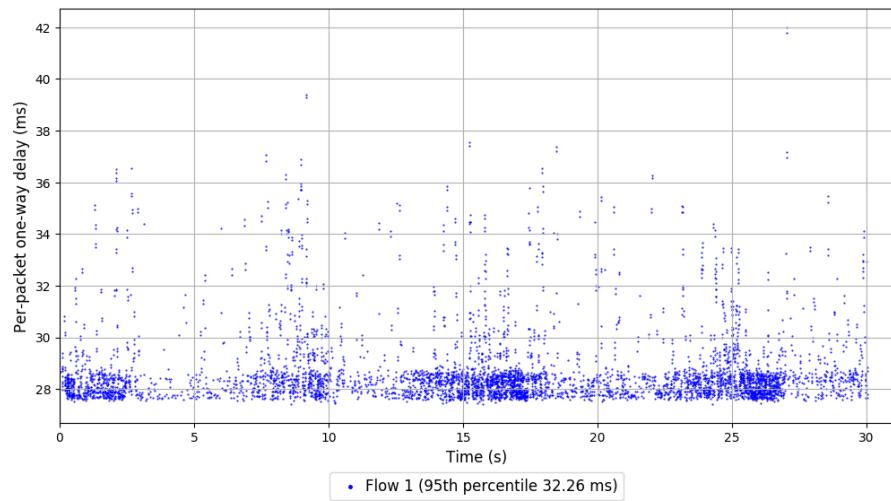
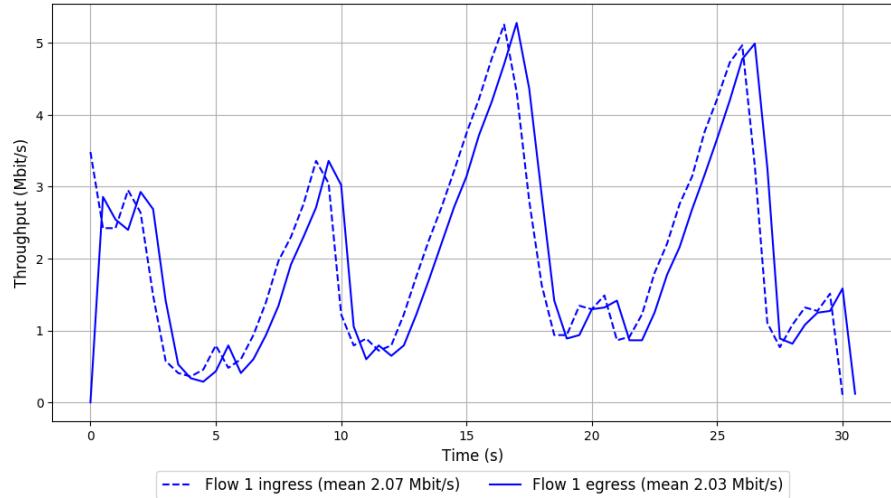


Run 4: Statistics of TCP Cubic

```
Start at: 2019-02-11 13:28:11
End at: 2019-02-11 13:28:41
Local clock offset: -4.069 ms
Remote clock offset: 19.057 ms

# Below is generated by plot.py at 2019-02-11 14:10:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 32.261 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 32.261 ms
Loss rate: 1.97%
```

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

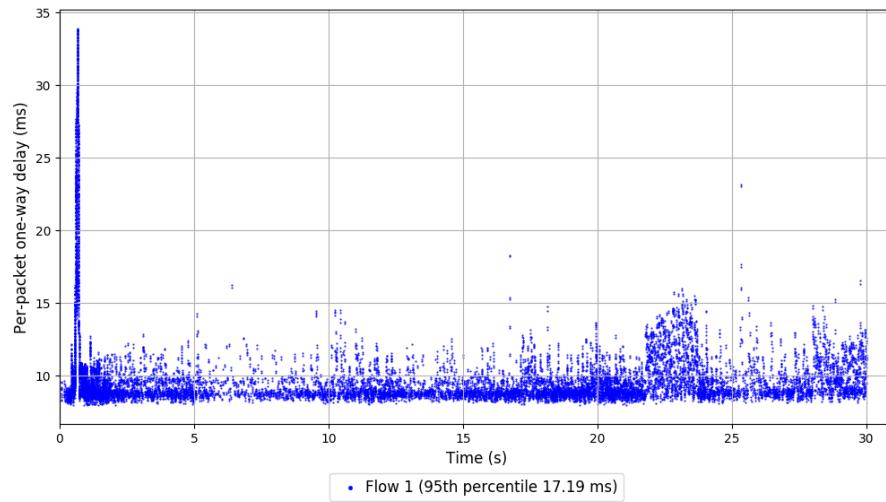
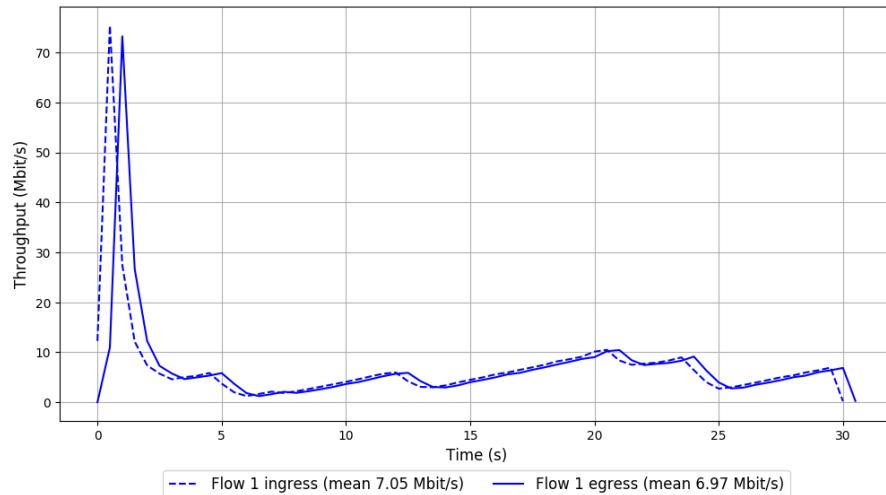


Run 5: Statistics of TCP Cubic

```
Start at: 2019-02-11 13:53:36
End at: 2019-02-11 13:54:06
Local clock offset: -1.883 ms
Remote clock offset: -1.958 ms

# Below is generated by plot.py at 2019-02-11 14:10:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.97 Mbit/s
95th percentile per-packet one-way delay: 17.189 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 6.97 Mbit/s
95th percentile per-packet one-way delay: 17.189 ms
Loss rate: 1.15%
```

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

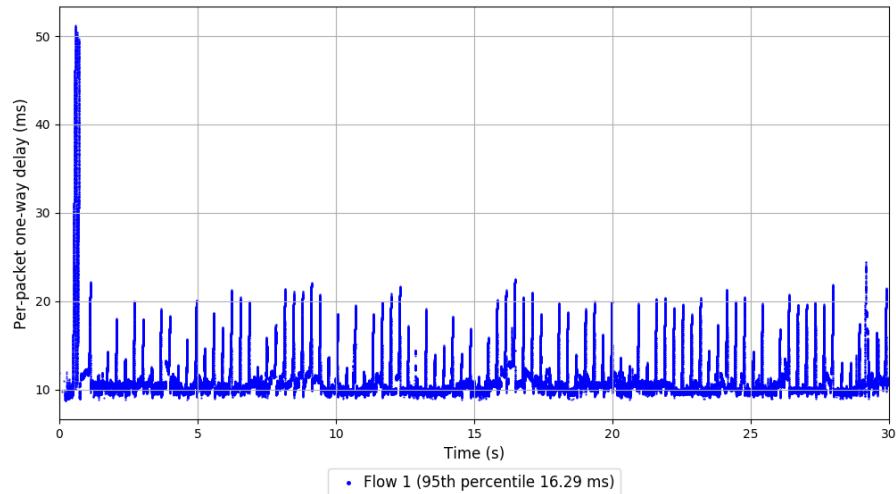
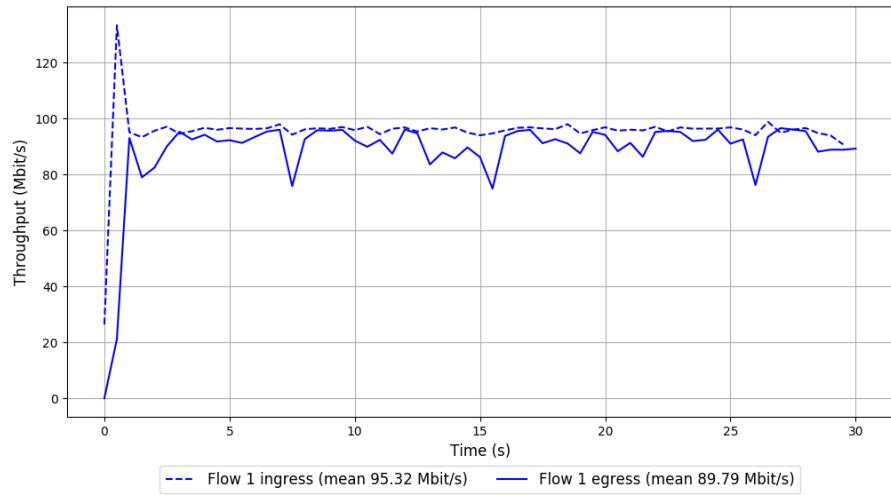


```
Run 1: Statistics of FillP

Start at: 2019-02-11 12:22:12
End at: 2019-02-11 12:22:42
Local clock offset: -0.17 ms
Remote clock offset: 0.314 ms

# Below is generated by plot.py at 2019-02-11 14:11:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.79 Mbit/s
95th percentile per-packet one-way delay: 16.285 ms
Loss rate: 5.81%
-- Flow 1:
Average throughput: 89.79 Mbit/s
95th percentile per-packet one-way delay: 16.285 ms
Loss rate: 5.81%
```

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

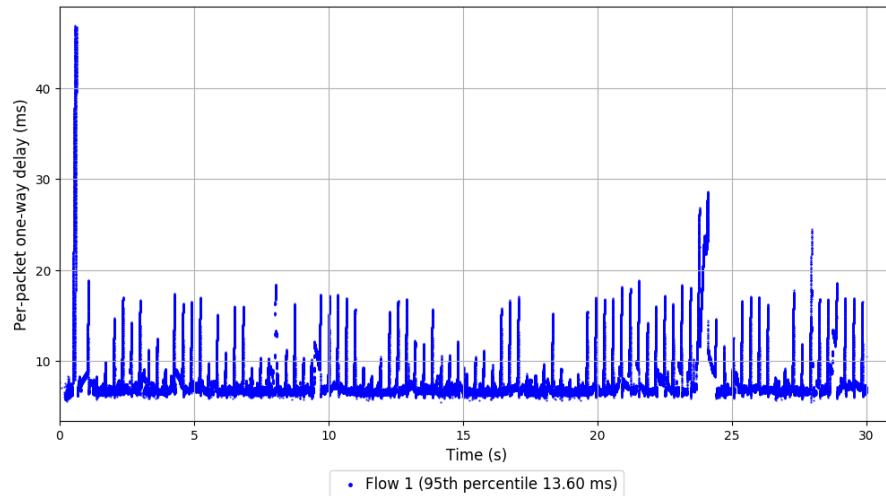
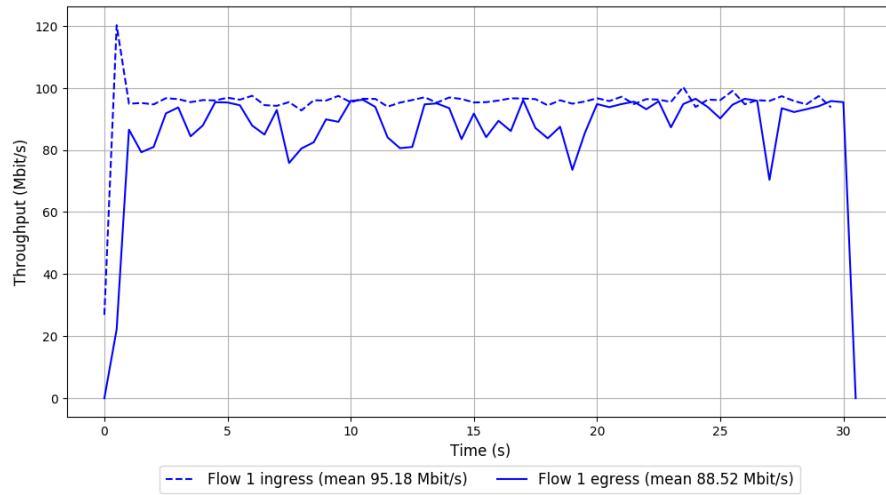


Run 2: Statistics of FillP

```
Start at: 2019-02-11 12:47:53
End at: 2019-02-11 12:48:23
Local clock offset: -3.989 ms
Remote clock offset: -3.31 ms

# Below is generated by plot.py at 2019-02-11 14:11:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.52 Mbit/s
95th percentile per-packet one-way delay: 13.602 ms
Loss rate: 6.98%
-- Flow 1:
Average throughput: 88.52 Mbit/s
95th percentile per-packet one-way delay: 13.602 ms
Loss rate: 6.98%
```

## Run 2: Report of FillP — Data Link

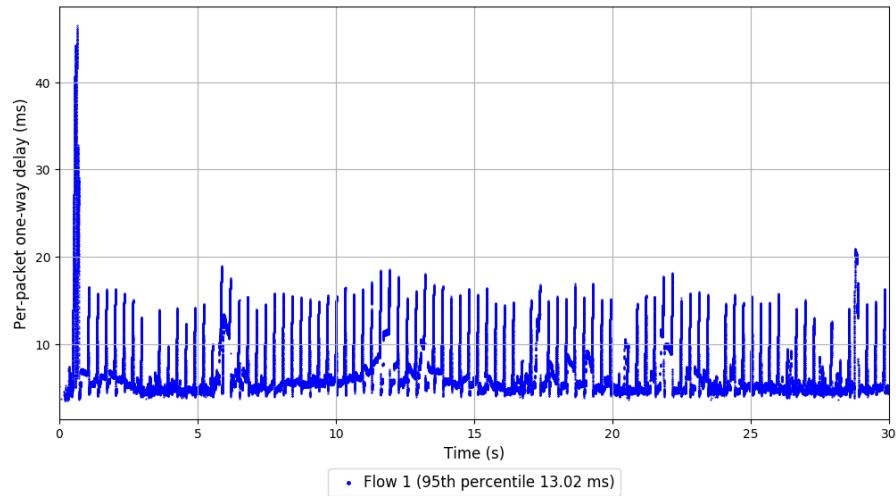
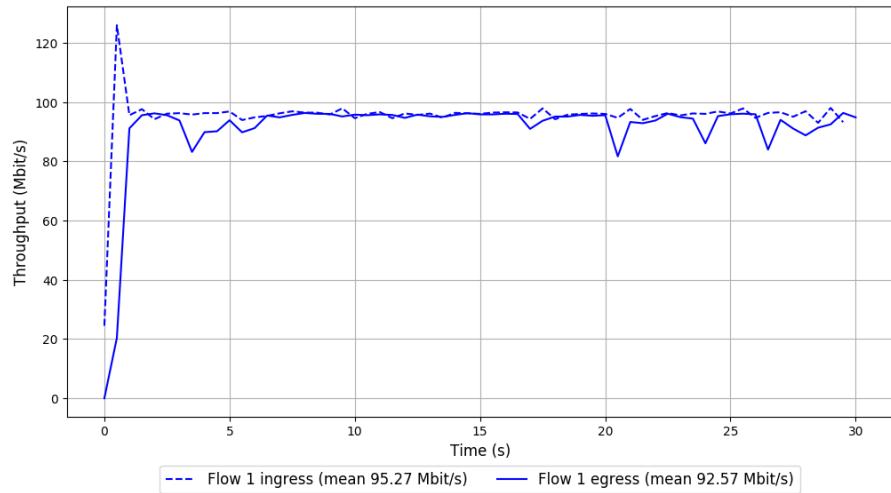


```
Run 3: Statistics of FillP
```

```
Start at: 2019-02-11 13:13:24
End at: 2019-02-11 13:13:54
Local clock offset: -2.724 ms
Remote clock offset: -3.452 ms

# Below is generated by plot.py at 2019-02-11 14:11:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.57 Mbit/s
95th percentile per-packet one-way delay: 13.018 ms
Loss rate: 2.84%
-- Flow 1:
Average throughput: 92.57 Mbit/s
95th percentile per-packet one-way delay: 13.018 ms
Loss rate: 2.84%
```

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

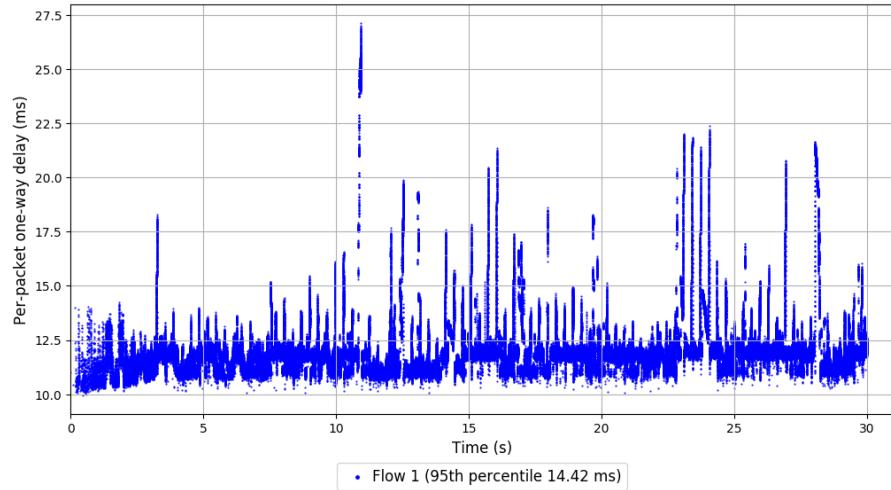
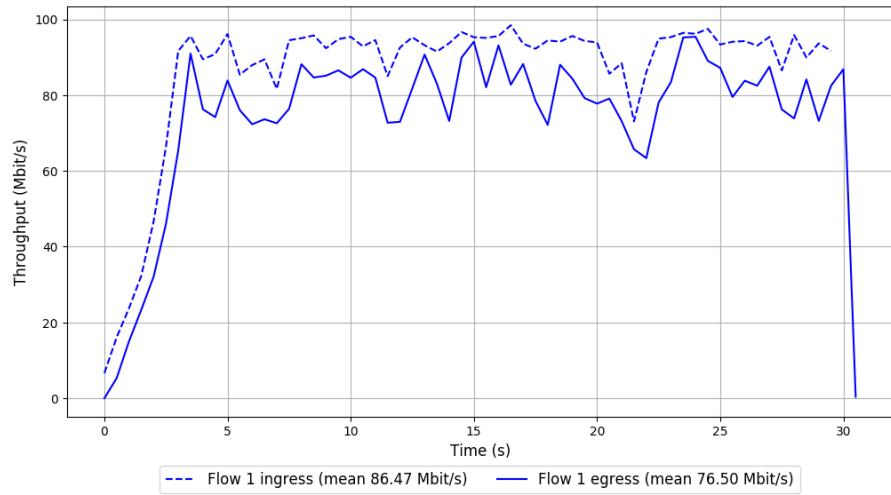


Run 4: Statistics of FillP

```
Start at: 2019-02-11 13:38:51
End at: 2019-02-11 13:39:21
Local clock offset: -4.845 ms
Remote clock offset: -0.628 ms

# Below is generated by plot.py at 2019-02-11 14:11:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.50 Mbit/s
95th percentile per-packet one-way delay: 14.419 ms
Loss rate: 11.53%
-- Flow 1:
Average throughput: 76.50 Mbit/s
95th percentile per-packet one-way delay: 14.419 ms
Loss rate: 11.53%
```

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

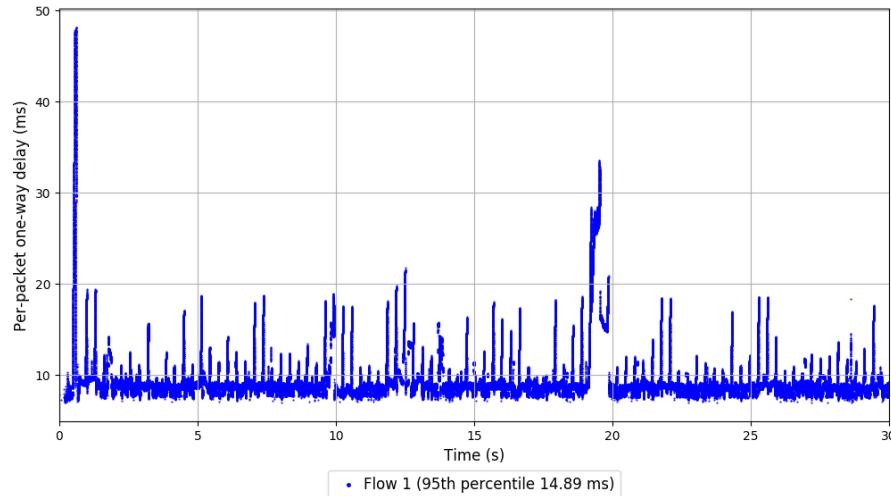
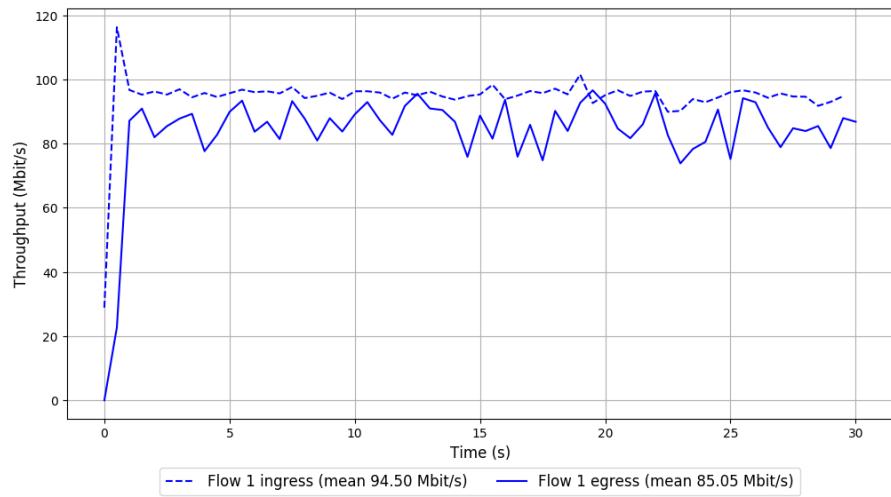


```
Run 5: Statistics of FillP
```

```
Start at: 2019-02-11 14:04:32
End at: 2019-02-11 14:05:02
Local clock offset: -1.144 ms
Remote clock offset: -2.878 ms

# Below is generated by plot.py at 2019-02-11 14:11:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 14.889 ms
Loss rate: 10.01%
-- Flow 1:
Average throughput: 85.05 Mbit/s
95th percentile per-packet one-way delay: 14.889 ms
Loss rate: 10.01%
```

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

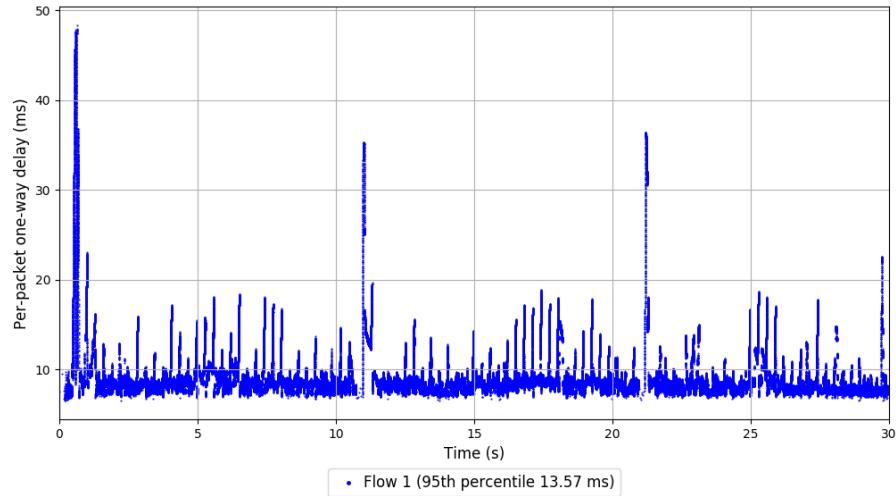
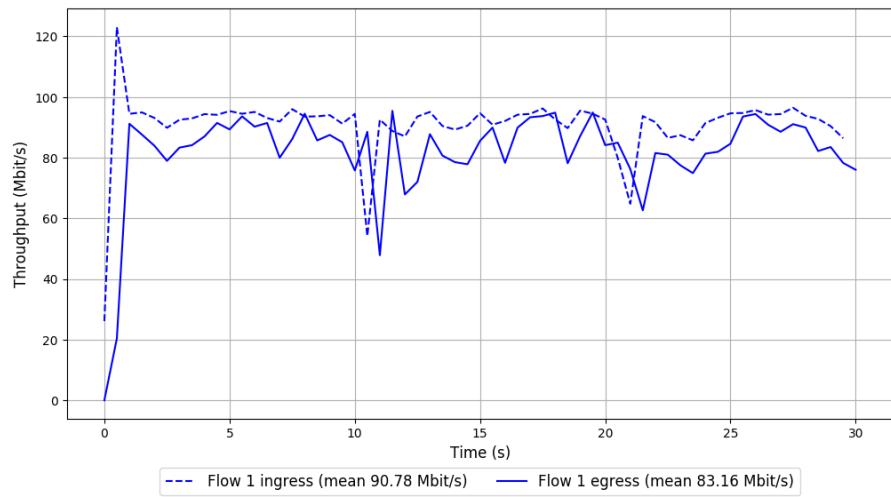


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-02-11 12:23:33
End at: 2019-02-11 12:24:03
Local clock offset: 2.157 ms
Remote clock offset: 0.528 ms

# Below is generated by plot.py at 2019-02-11 14:11:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 13.568 ms
Loss rate: 8.38%
-- Flow 1:
Average throughput: 83.16 Mbit/s
95th percentile per-packet one-way delay: 13.568 ms
Loss rate: 8.38%
```

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

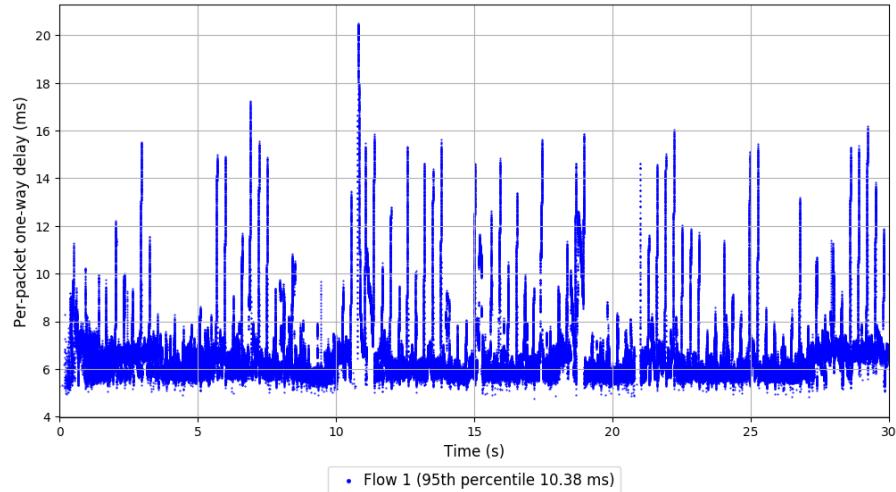
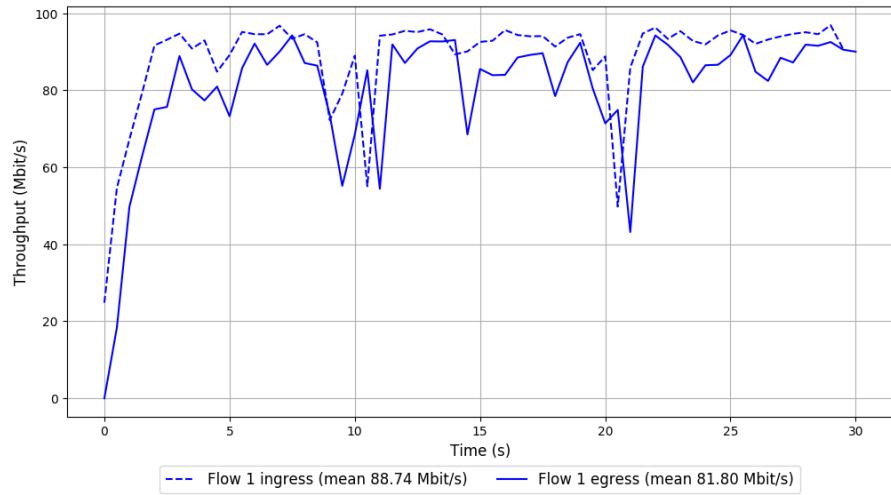


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-02-11 12:49:08
End at: 2019-02-11 12:49:38
Local clock offset: -3.186 ms
Remote clock offset: -2.831 ms

# Below is generated by plot.py at 2019-02-11 14:11:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.80 Mbit/s
95th percentile per-packet one-way delay: 10.382 ms
Loss rate: 7.81%
-- Flow 1:
Average throughput: 81.80 Mbit/s
95th percentile per-packet one-way delay: 10.382 ms
Loss rate: 7.81%
```

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

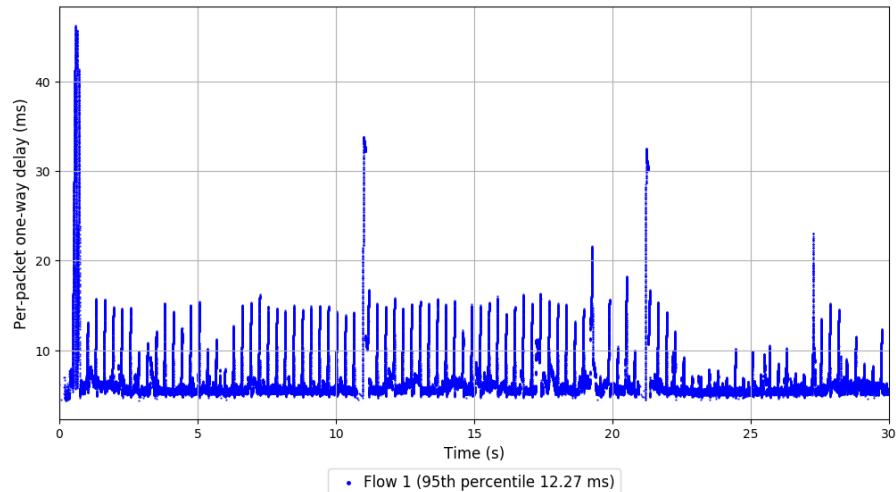
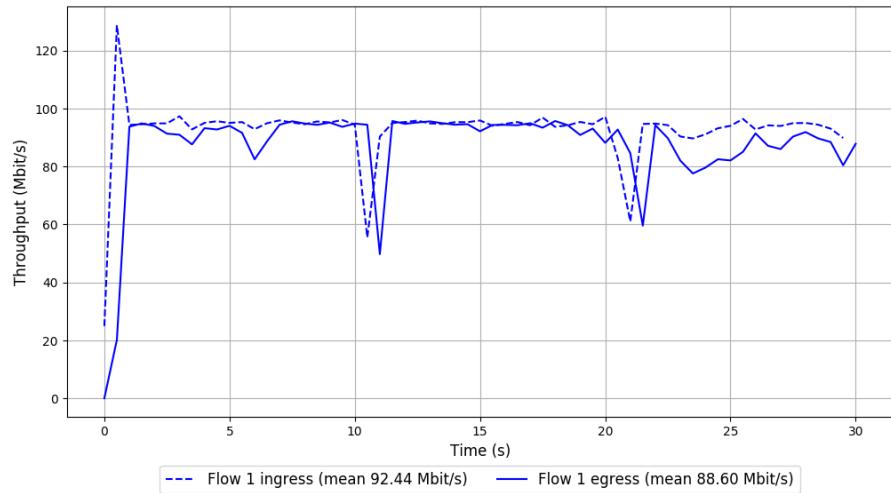


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-02-11 13:14:37
End at: 2019-02-11 13:15:07
Local clock offset: -3.331 ms
Remote clock offset: -2.901 ms

# Below is generated by plot.py at 2019-02-11 14:11:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.60 Mbit/s
95th percentile per-packet one-way delay: 12.270 ms
Loss rate: 4.16%
-- Flow 1:
Average throughput: 88.60 Mbit/s
95th percentile per-packet one-way delay: 12.270 ms
Loss rate: 4.16%
```

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

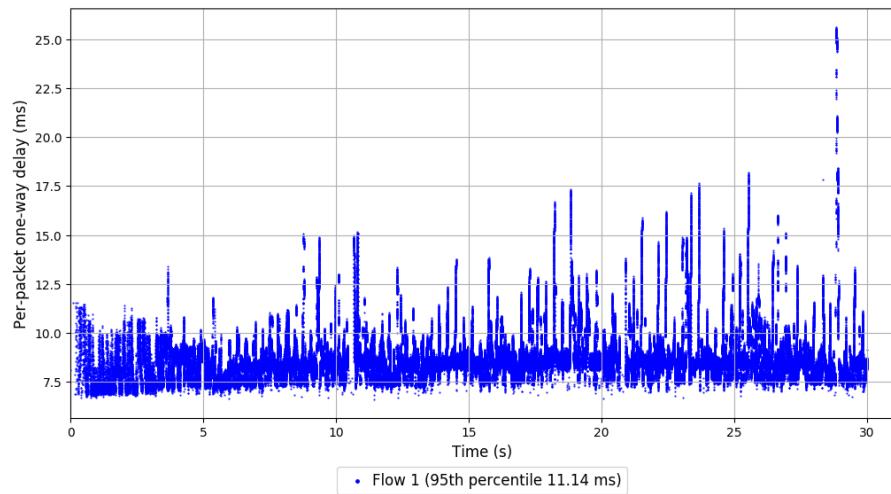
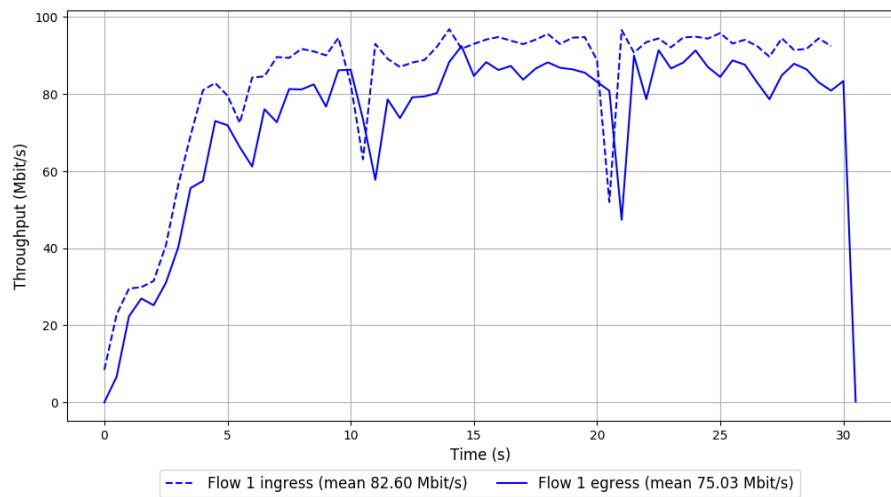


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-02-11 13:40:12
End at: 2019-02-11 13:40:42
Local clock offset: -1.926 ms
Remote clock offset: -1.554 ms

# Below is generated by plot.py at 2019-02-11 14:12:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.03 Mbit/s
95th percentile per-packet one-way delay: 11.140 ms
Loss rate: 9.16%
-- Flow 1:
Average throughput: 75.03 Mbit/s
95th percentile per-packet one-way delay: 11.140 ms
Loss rate: 9.16%
```

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

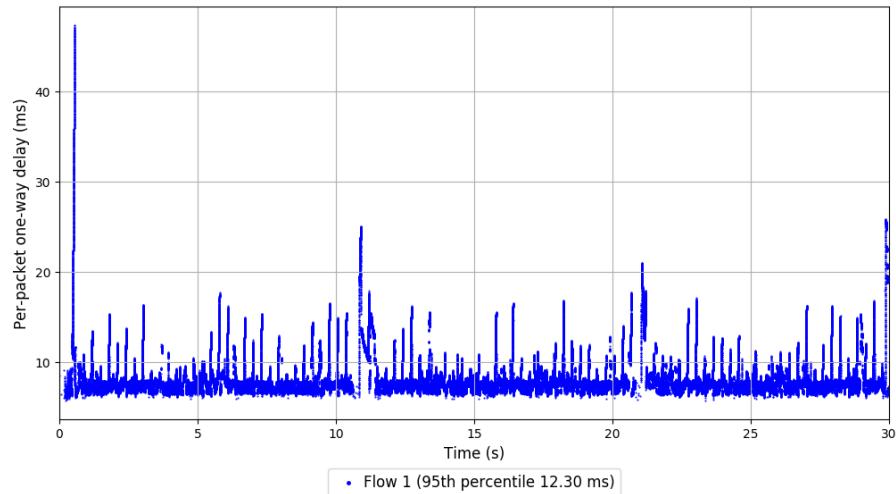
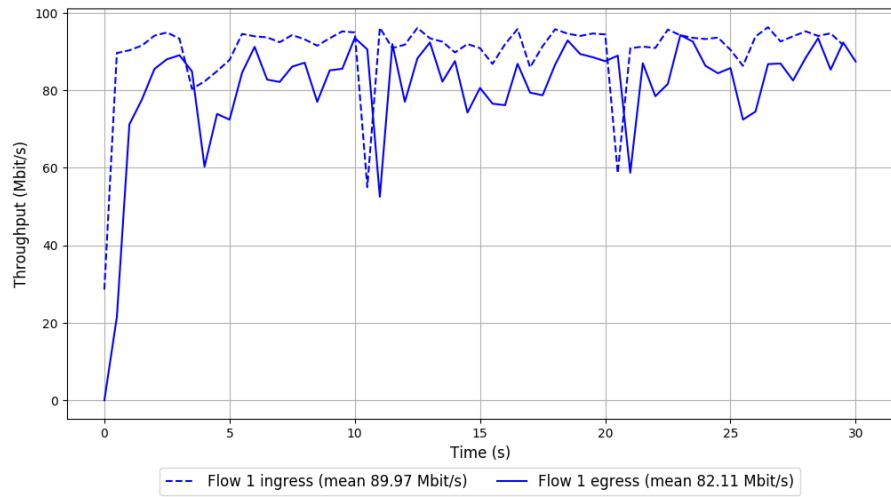


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-02-11 14:05:53
End at: 2019-02-11 14:06:23
Local clock offset: -0.319 ms
Remote clock offset: -2.889 ms

# Below is generated by plot.py at 2019-02-11 14:12:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.11 Mbit/s
95th percentile per-packet one-way delay: 12.301 ms
Loss rate: 8.75%
-- Flow 1:
Average throughput: 82.11 Mbit/s
95th percentile per-packet one-way delay: 12.301 ms
Loss rate: 8.75%
```

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

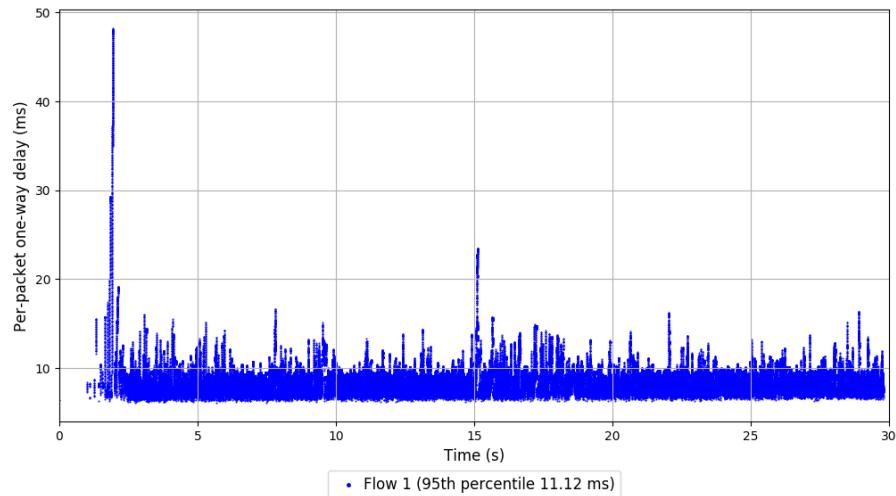
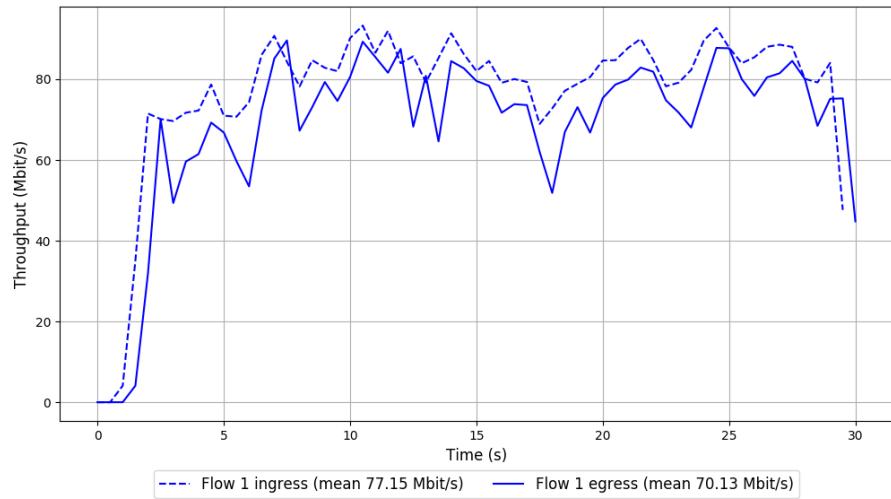


Run 1: Statistics of Indigo

```
Start at: 2019-02-11 12:05:36
End at: 2019-02-11 12:06:06
Local clock offset: -4.381 ms
Remote clock offset: -2.25 ms

# Below is generated by plot.py at 2019-02-11 14:12:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.13 Mbit/s
95th percentile per-packet one-way delay: 11.115 ms
Loss rate: 9.09%
-- Flow 1:
Average throughput: 70.13 Mbit/s
95th percentile per-packet one-way delay: 11.115 ms
Loss rate: 9.09%
```

## Run 1: Report of Indigo — Data Link

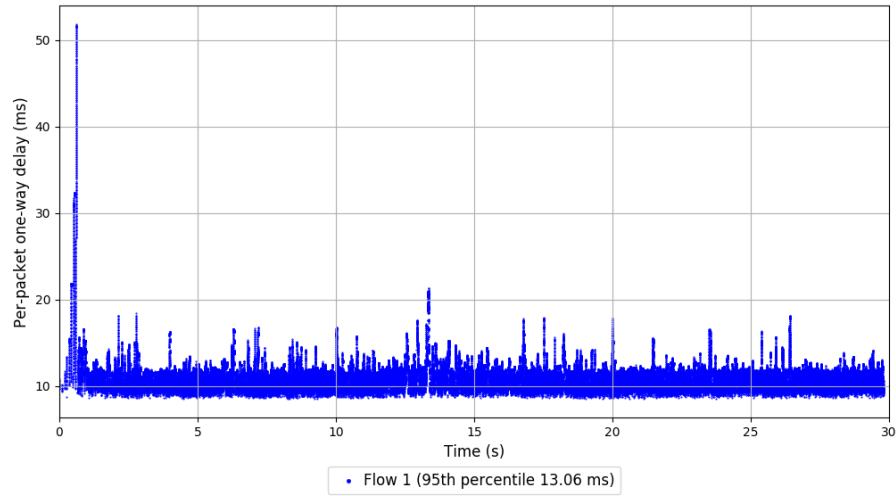
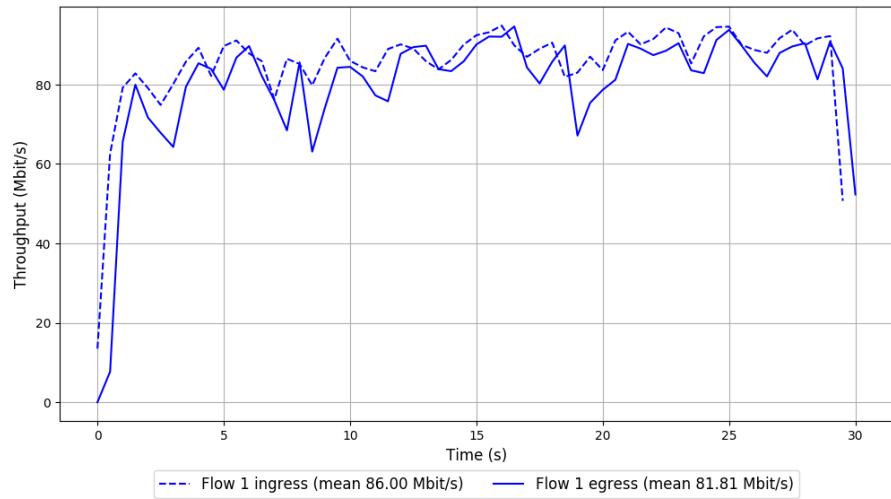


Run 2: Statistics of Indigo

```
Start at: 2019-02-11 12:31:54
End at: 2019-02-11 12:32:24
Local clock offset: 0.53 ms
Remote clock offset: 0.565 ms

# Below is generated by plot.py at 2019-02-11 14:12:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.81 Mbit/s
95th percentile per-packet one-way delay: 13.058 ms
Loss rate: 4.88%
-- Flow 1:
Average throughput: 81.81 Mbit/s
95th percentile per-packet one-way delay: 13.058 ms
Loss rate: 4.88%
```

## Run 2: Report of Indigo — Data Link

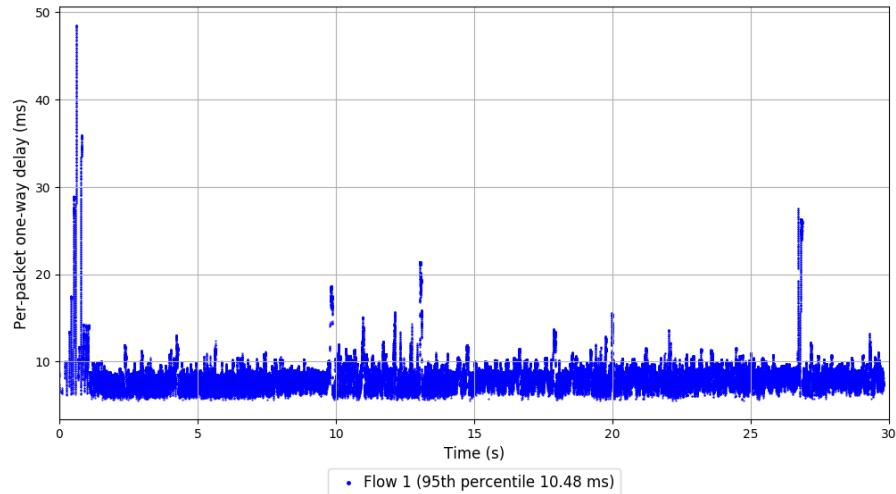
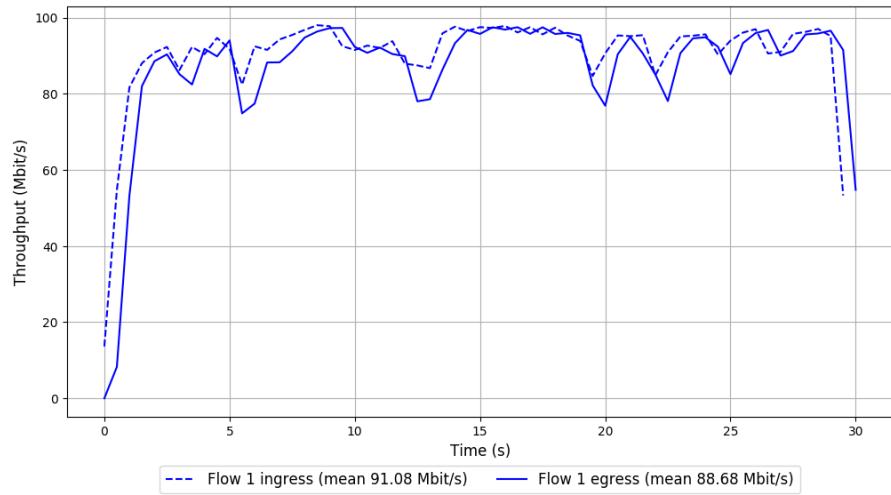


Run 3: Statistics of Indigo

```
Start at: 2019-02-11 12:57:44
End at: 2019-02-11 12:58:14
Local clock offset: -5.432 ms
Remote clock offset: -3.202 ms

# Below is generated by plot.py at 2019-02-11 14:12:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.68 Mbit/s
95th percentile per-packet one-way delay: 10.479 ms
Loss rate: 2.63%
-- Flow 1:
Average throughput: 88.68 Mbit/s
95th percentile per-packet one-way delay: 10.479 ms
Loss rate: 2.63%
```

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

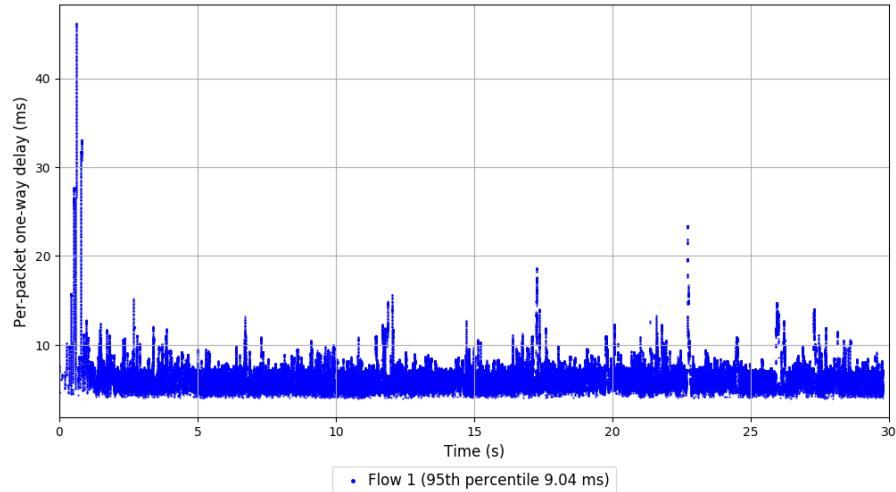
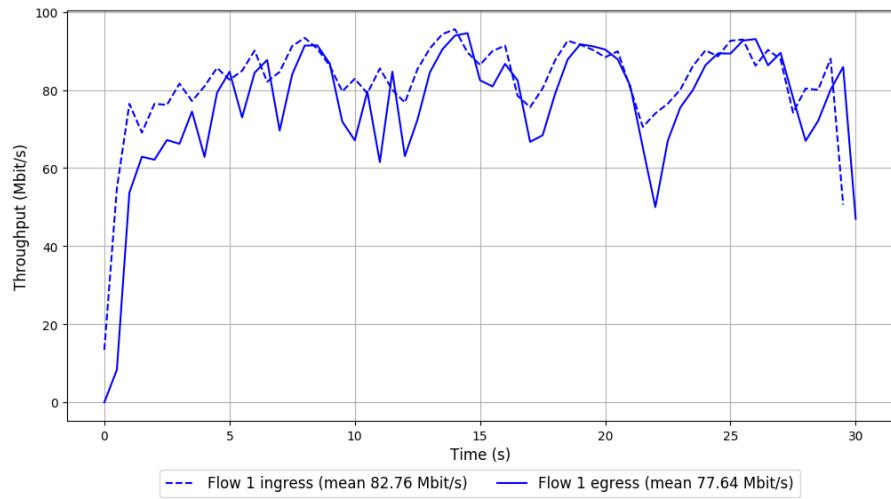


Run 4: Statistics of Indigo

```
Start at: 2019-02-11 13:23:32
End at: 2019-02-11 13:24:02
Local clock offset: -2.913 ms
Remote clock offset: -3.052 ms

# Below is generated by plot.py at 2019-02-11 14:12:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.64 Mbit/s
95th percentile per-packet one-way delay: 9.041 ms
Loss rate: 6.18%
-- Flow 1:
Average throughput: 77.64 Mbit/s
95th percentile per-packet one-way delay: 9.041 ms
Loss rate: 6.18%
```

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

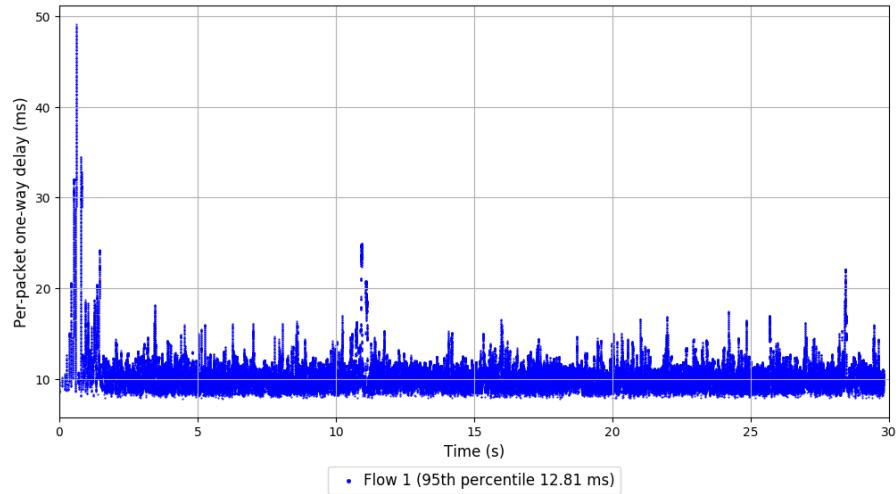
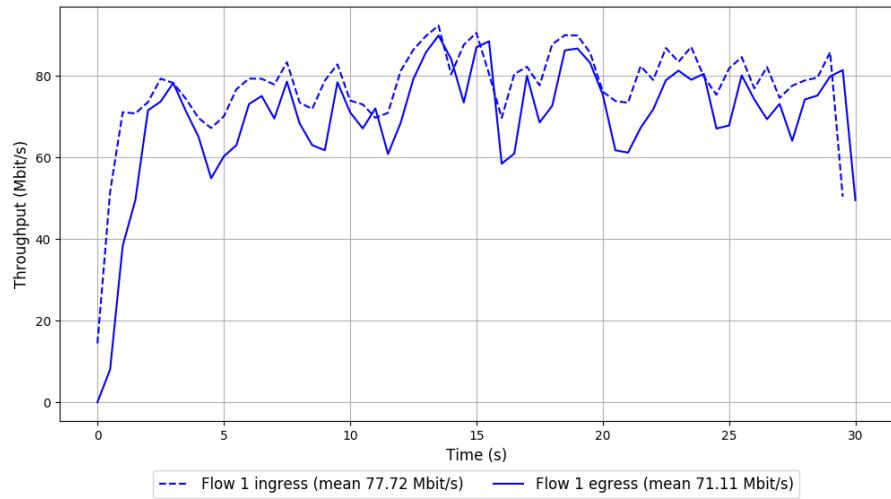


Run 5: Statistics of Indigo

```
Start at: 2019-02-11 13:48:34
End at: 2019-02-11 13:49:04
Local clock offset: -2.35 ms
Remote clock offset: -2.099 ms

# Below is generated by plot.py at 2019-02-11 14:12:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.11 Mbit/s
95th percentile per-packet one-way delay: 12.812 ms
Loss rate: 8.50%
-- Flow 1:
Average throughput: 71.11 Mbit/s
95th percentile per-packet one-way delay: 12.812 ms
Loss rate: 8.50%
```

## Run 5: Report of Indigo — Data Link

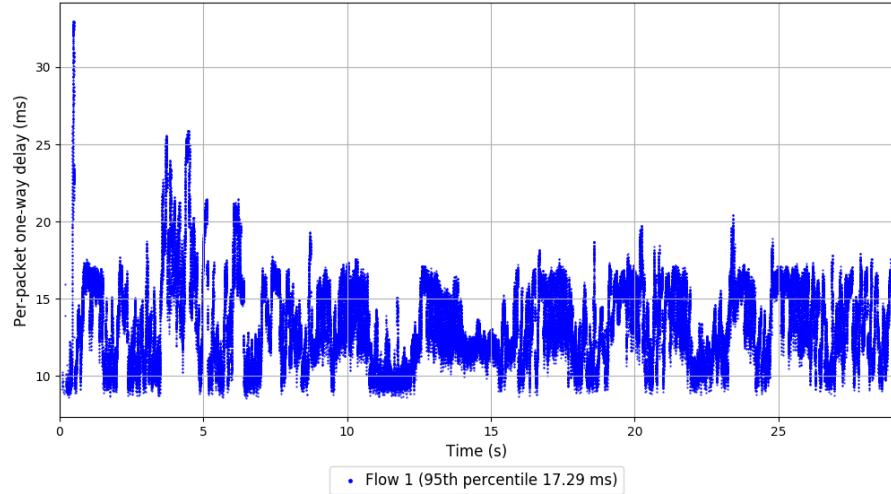
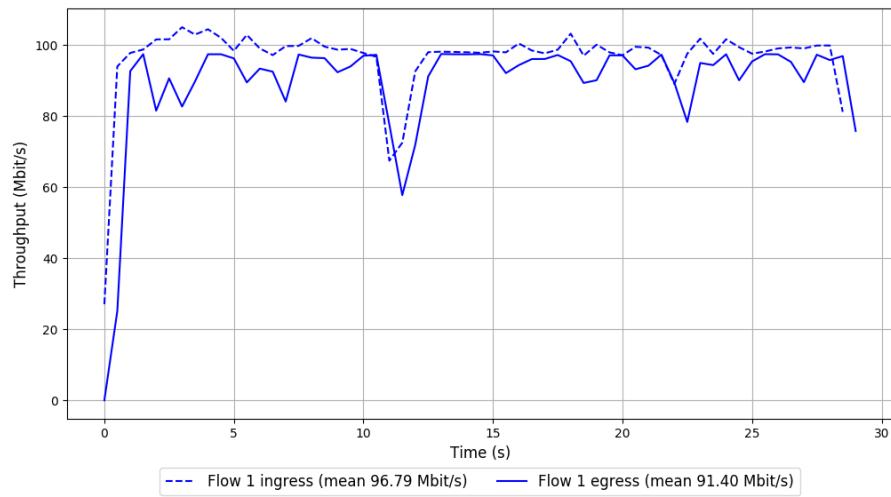


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-02-11 12:13:08
End at: 2019-02-11 12:13:38
Local clock offset: -1.248 ms
Remote clock offset: 0.149 ms

# Below is generated by plot.py at 2019-02-11 14:12:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.40 Mbit/s
95th percentile per-packet one-way delay: 17.292 ms
Loss rate: 5.56%
-- Flow 1:
Average throughput: 91.40 Mbit/s
95th percentile per-packet one-way delay: 17.292 ms
Loss rate: 5.56%
```

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

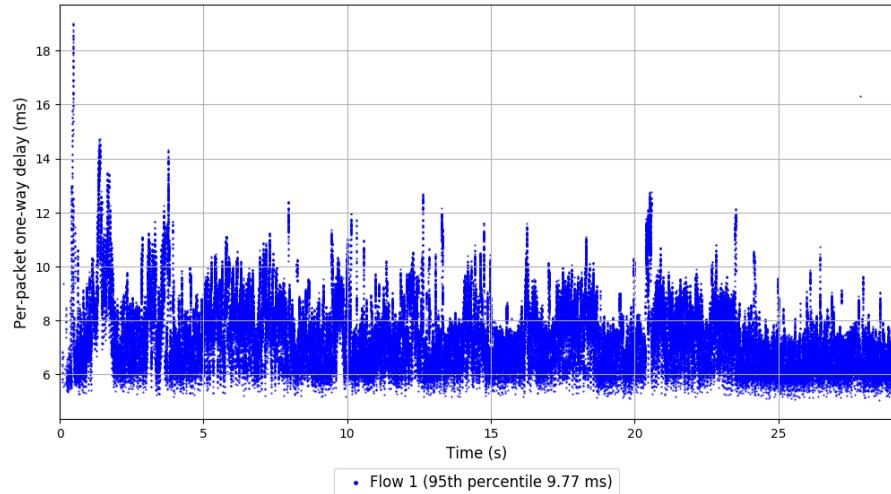
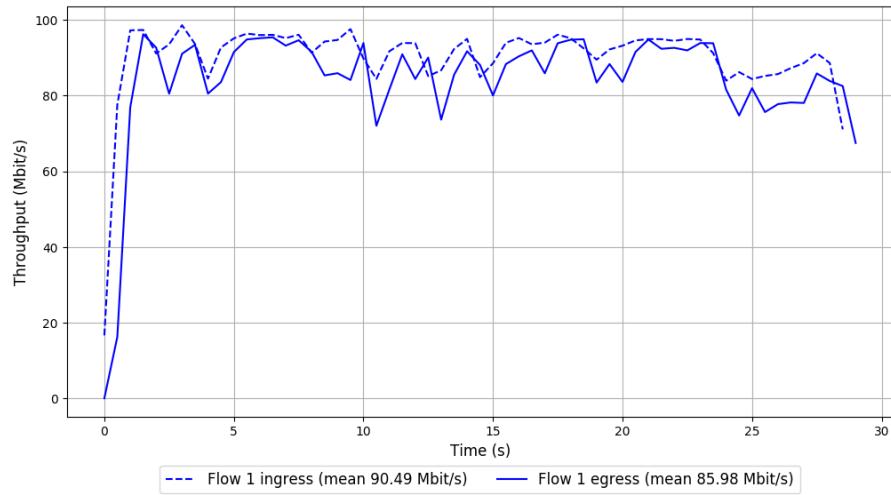


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-02-11 12:39:20
End at: 2019-02-11 12:39:50
Local clock offset: -1.515 ms
Remote clock offset: -3.249 ms

# Below is generated by plot.py at 2019-02-11 14:13:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: 9.772 ms
Loss rate: 4.98%
-- Flow 1:
Average throughput: 85.98 Mbit/s
95th percentile per-packet one-way delay: 9.772 ms
Loss rate: 4.98%
```

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

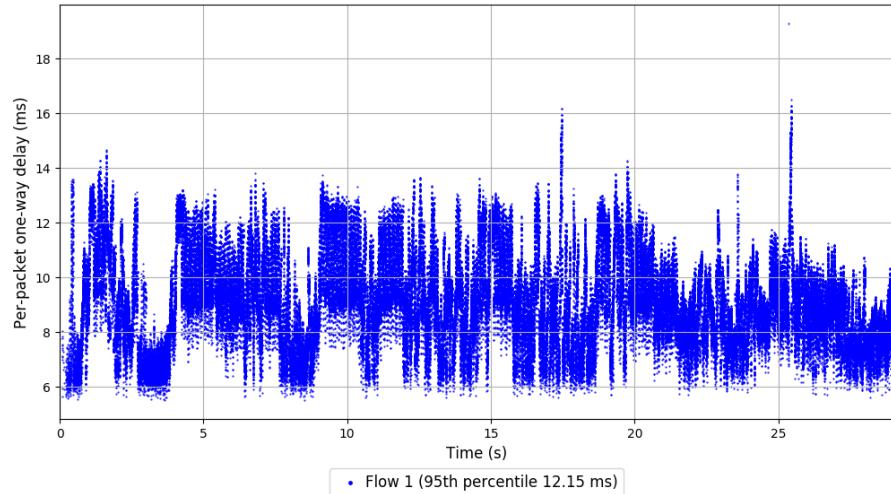
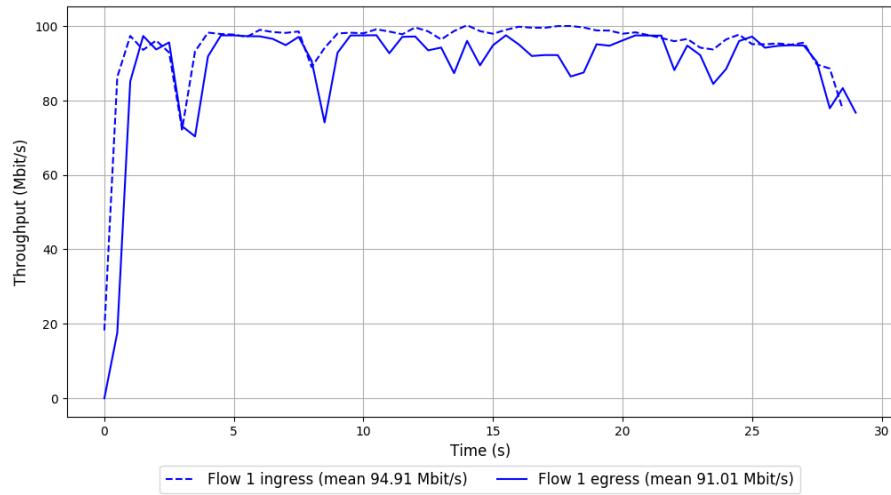


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-02-11 13:04:48
End at: 2019-02-11 13:05:19
Local clock offset: -5.887 ms
Remote clock offset: -3.115 ms

# Below is generated by plot.py at 2019-02-11 14:13:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.01 Mbit/s
95th percentile per-packet one-way delay: 12.152 ms
Loss rate: 4.11%
-- Flow 1:
Average throughput: 91.01 Mbit/s
95th percentile per-packet one-way delay: 12.152 ms
Loss rate: 4.11%
```

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

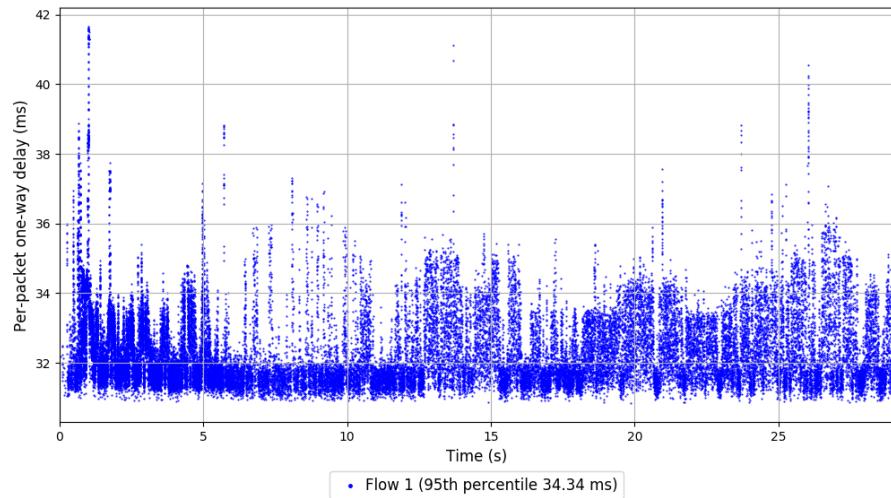
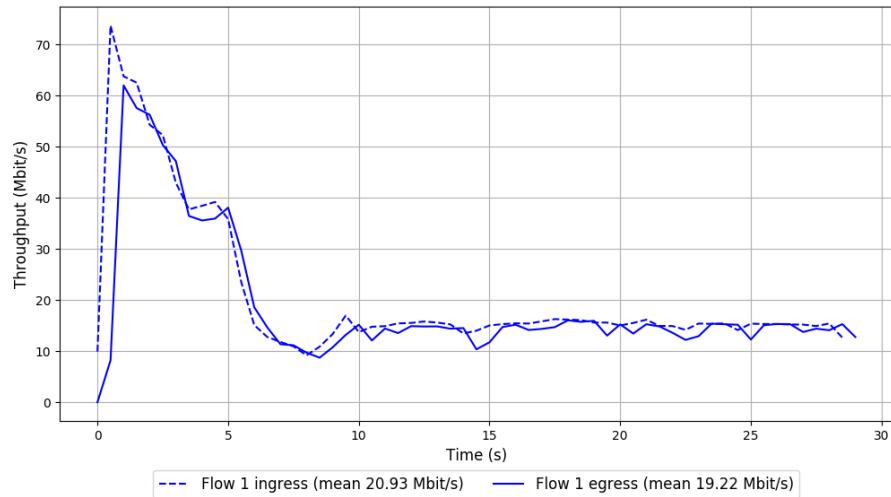


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-02-11 13:30:23
End at: 2019-02-11 13:30:53
Local clock offset: -5.059 ms
Remote clock offset: 21.981 ms

# Below is generated by plot.py at 2019-02-11 14:13:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.22 Mbit/s
95th percentile per-packet one-way delay: 34.336 ms
Loss rate: 8.19%
-- Flow 1:
Average throughput: 19.22 Mbit/s
95th percentile per-packet one-way delay: 34.336 ms
Loss rate: 8.19%
```

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

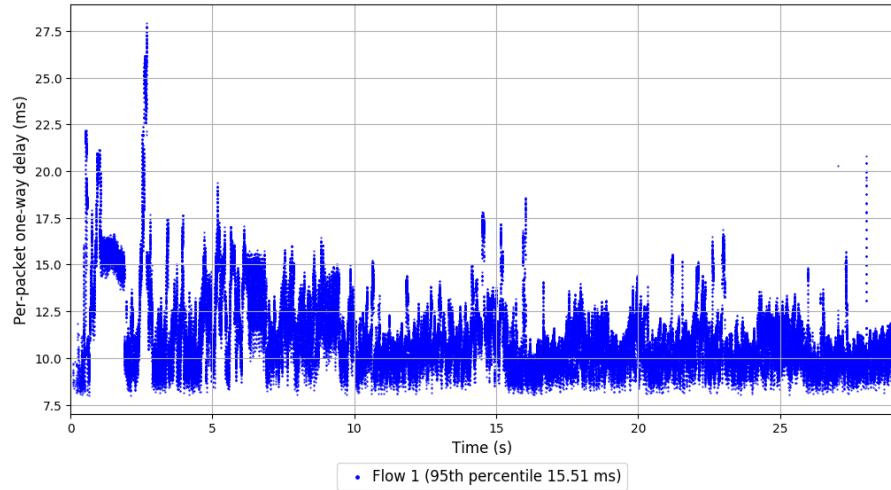
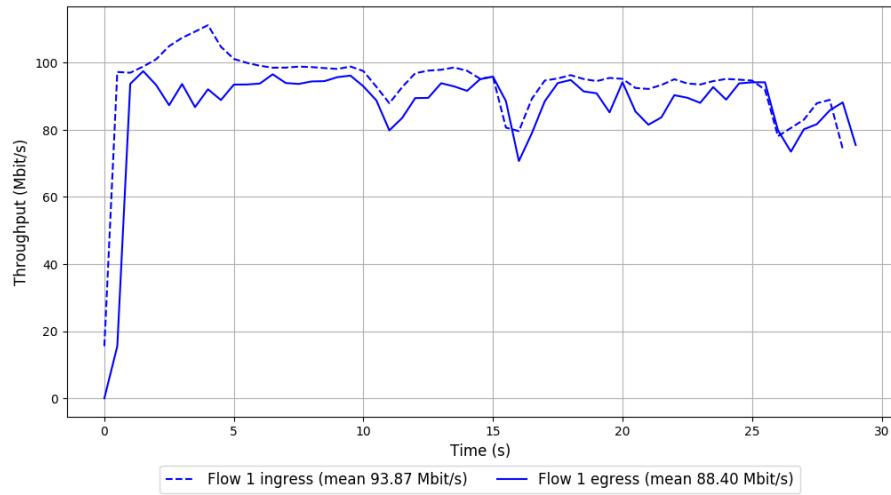


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-02-11 13:55:50
End at: 2019-02-11 13:56:20
Local clock offset: -1.44 ms
Remote clock offset: -1.996 ms

# Below is generated by plot.py at 2019-02-11 14:13:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.40 Mbit/s
95th percentile per-packet one-way delay: 15.507 ms
Loss rate: 5.82%
-- Flow 1:
Average throughput: 88.40 Mbit/s
95th percentile per-packet one-way delay: 15.507 ms
Loss rate: 5.82%
```

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

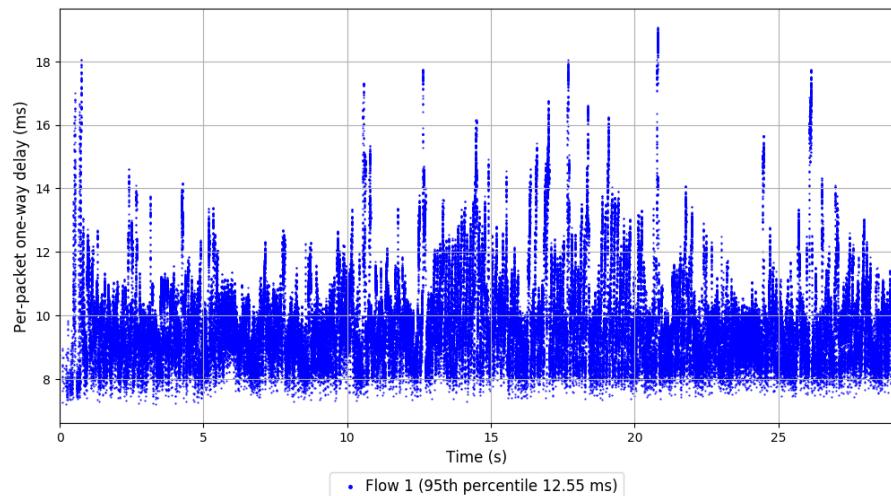
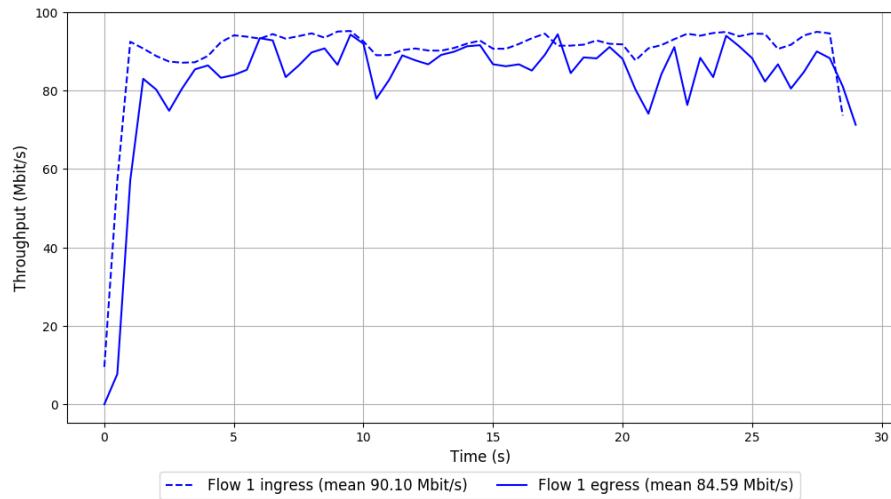


```
Run 1: Statistics of Indigo-MusesC5
```

```
Start at: 2019-02-11 12:08:14
End at: 2019-02-11 12:08:44
Local clock offset: -2.536 ms
Remote clock offset: -0.79 ms

# Below is generated by plot.py at 2019-02-11 14:13:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 12.550 ms
Loss rate: 6.11%
-- Flow 1:
Average throughput: 84.59 Mbit/s
95th percentile per-packet one-way delay: 12.550 ms
Loss rate: 6.11%
```

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

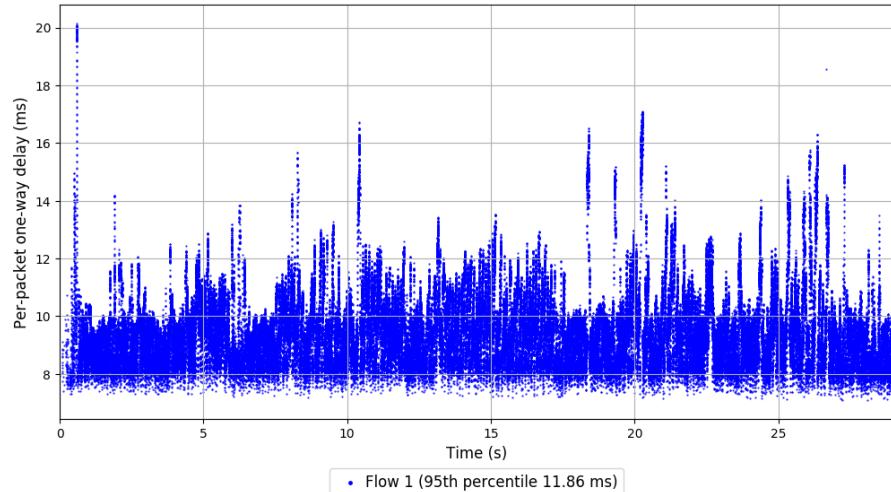
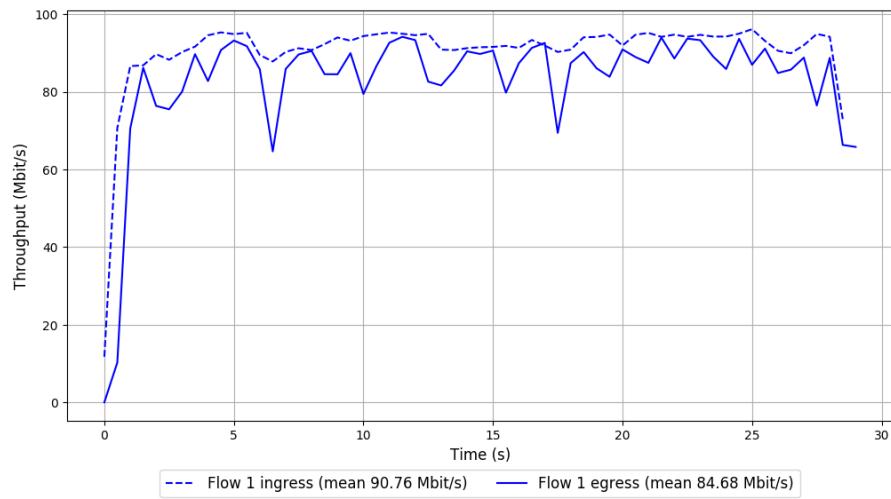


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-02-11 12:34:24
End at: 2019-02-11 12:34:54
Local clock offset: 1.467 ms
Remote clock offset: 0.154 ms

# Below is generated by plot.py at 2019-02-11 14:13:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.68 Mbit/s
95th percentile per-packet one-way delay: 11.864 ms
Loss rate: 6.69%
-- Flow 1:
Average throughput: 84.68 Mbit/s
95th percentile per-packet one-way delay: 11.864 ms
Loss rate: 6.69%
```

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

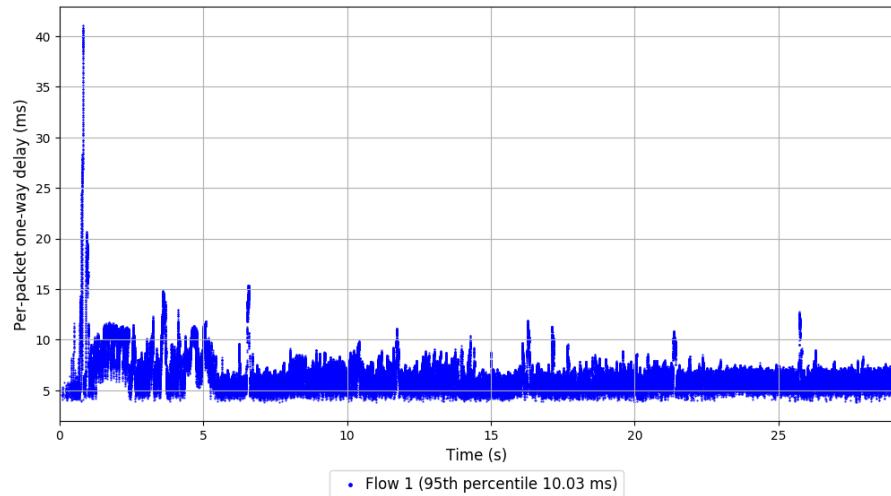
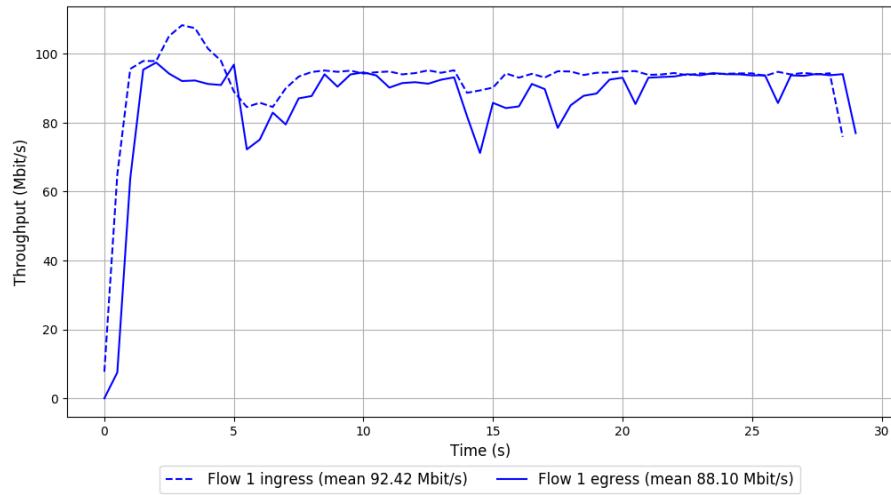


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-02-11 13:00:03
End at: 2019-02-11 13:00:33
Local clock offset: -4.766 ms
Remote clock offset: -4.065 ms

# Below is generated by plot.py at 2019-02-11 14:13:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.10 Mbit/s
95th percentile per-packet one-way delay: 10.027 ms
Loss rate: 4.67%
-- Flow 1:
Average throughput: 88.10 Mbit/s
95th percentile per-packet one-way delay: 10.027 ms
Loss rate: 4.67%
```

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

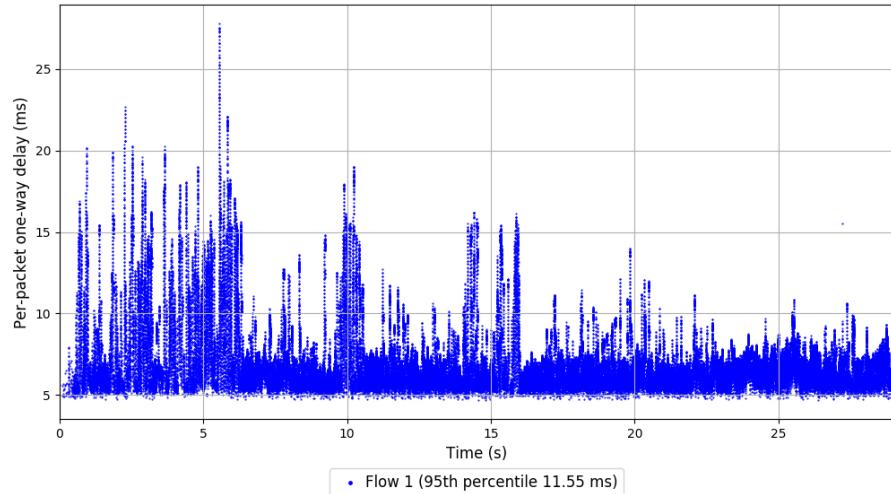
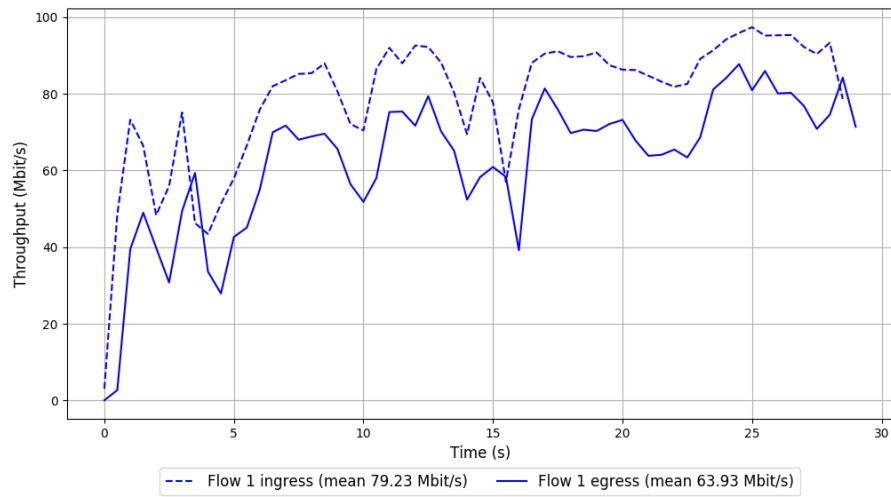


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-02-11 13:25:52
End at: 2019-02-11 13:26:22
Local clock offset: -3.937 ms
Remote clock offset: -3.535 ms

# Below is generated by plot.py at 2019-02-11 14:13:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.93 Mbit/s
95th percentile per-packet one-way delay: 11.549 ms
Loss rate: 19.31%
-- Flow 1:
Average throughput: 63.93 Mbit/s
95th percentile per-packet one-way delay: 11.549 ms
Loss rate: 19.31%
```

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

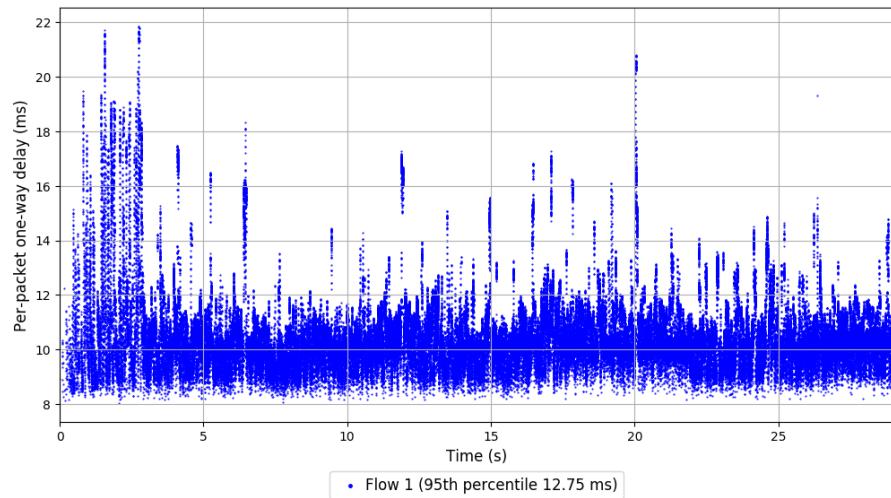
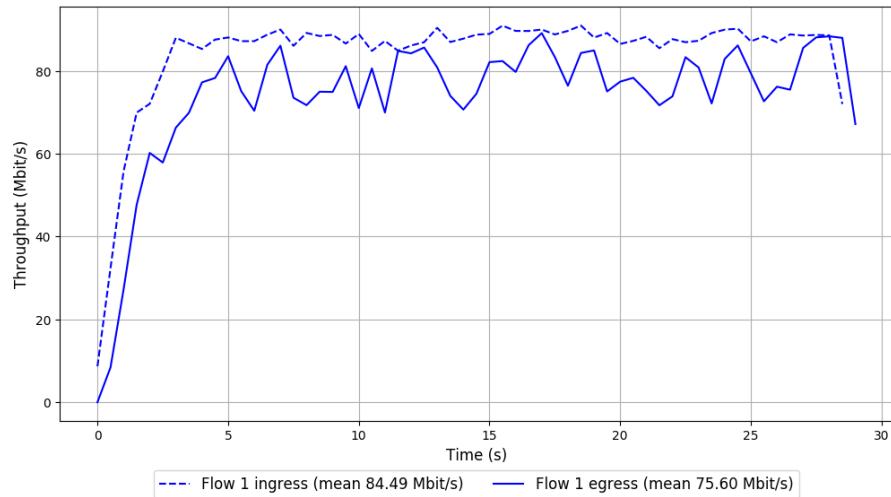


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-02-11 13:51:04
End at: 2019-02-11 13:51:34
Local clock offset: -1.681 ms
Remote clock offset: -1.709 ms

# Below is generated by plot.py at 2019-02-11 14:13:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.60 Mbit/s
95th percentile per-packet one-way delay: 12.754 ms
Loss rate: 10.53%
-- Flow 1:
Average throughput: 75.60 Mbit/s
95th percentile per-packet one-way delay: 12.754 ms
Loss rate: 10.53%
```

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

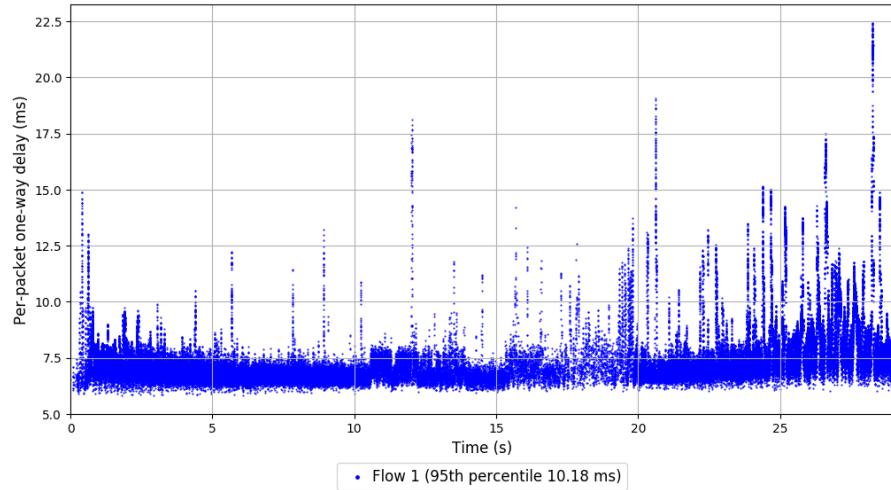
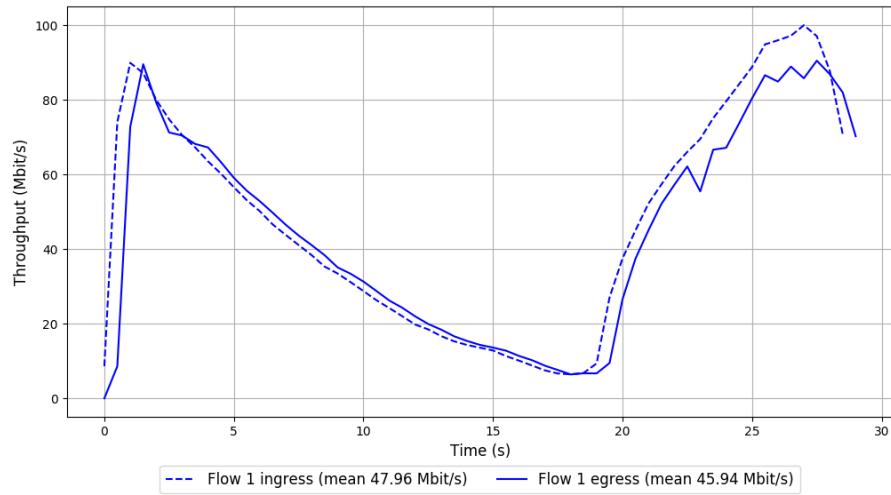


```
Run 1: Statistics of Indigo-MusesD
```

```
Start at: 2019-02-11 12:09:43
End at: 2019-02-11 12:10:13
Local clock offset: -1.91 ms
Remote clock offset: -2.234 ms

# Below is generated by plot.py at 2019-02-11 14:13:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.94 Mbit/s
95th percentile per-packet one-way delay: 10.181 ms
Loss rate: 4.21%
-- Flow 1:
Average throughput: 45.94 Mbit/s
95th percentile per-packet one-way delay: 10.181 ms
Loss rate: 4.21%
```

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

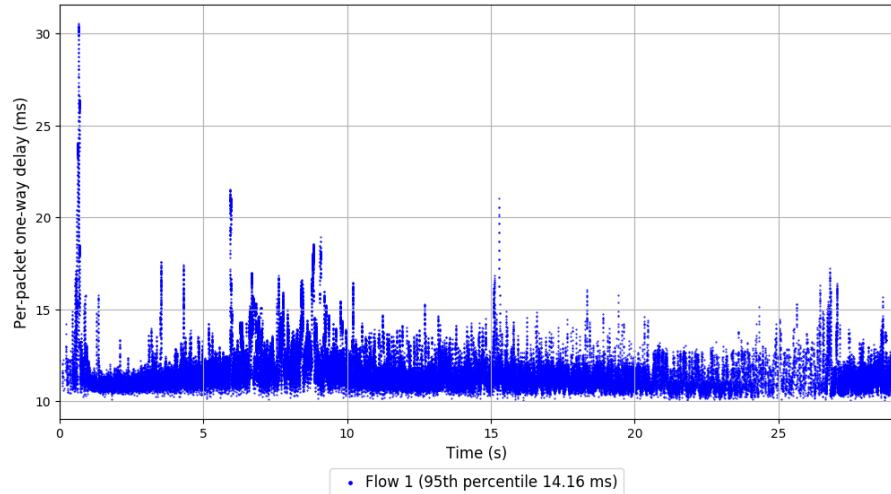
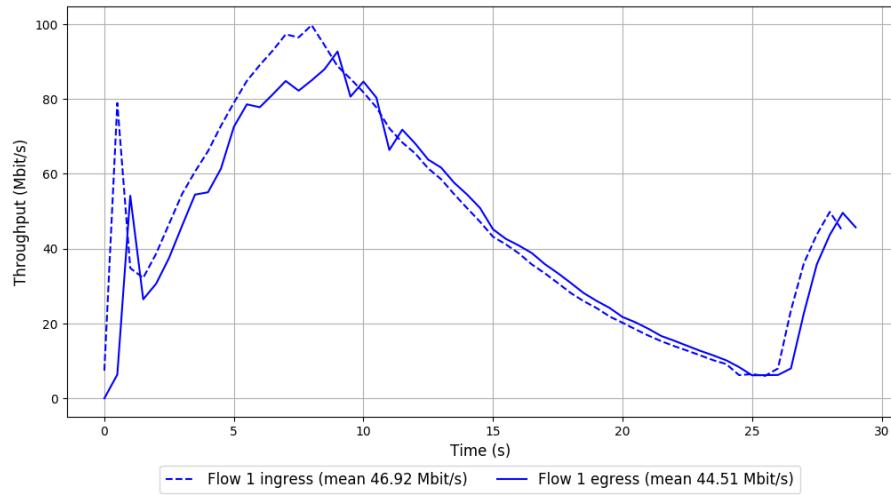


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-02-11 12:35:52
End at: 2019-02-11 12:36:22
Local clock offset: -6.757 ms
Remote clock offset: -4.333 ms

# Below is generated by plot.py at 2019-02-11 14:13:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.51 Mbit/s
95th percentile per-packet one-way delay: 14.163 ms
Loss rate: 5.15%
-- Flow 1:
Average throughput: 44.51 Mbit/s
95th percentile per-packet one-way delay: 14.163 ms
Loss rate: 5.15%
```

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

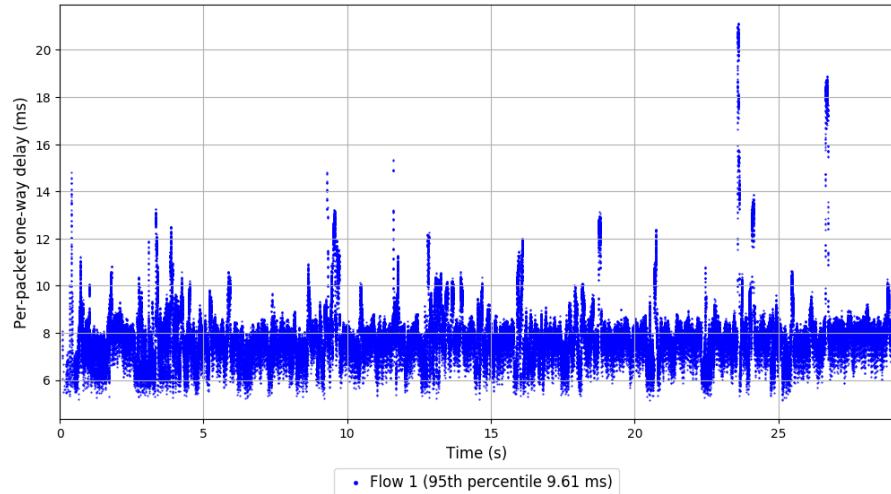
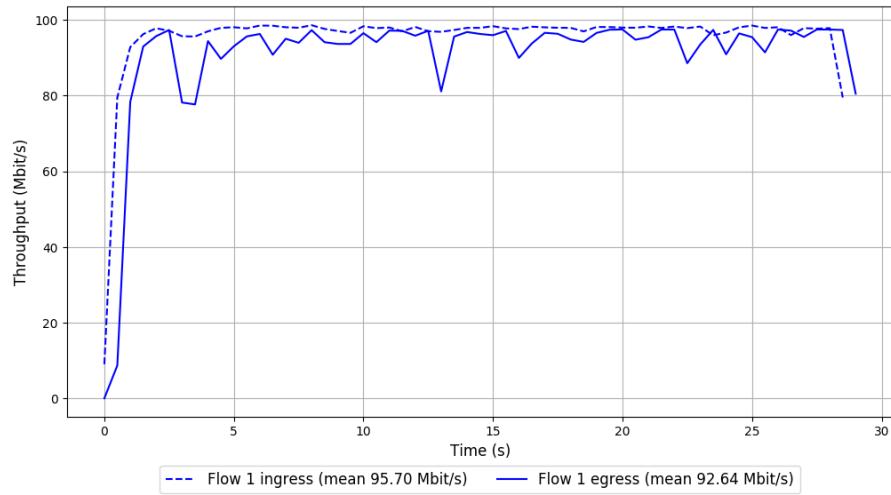


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-02-11 13:01:15
End at: 2019-02-11 13:01:45
Local clock offset: -5.826 ms
Remote clock offset: -3.376 ms

# Below is generated by plot.py at 2019-02-11 14:14:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 9.607 ms
Loss rate: 3.20%
-- Flow 1:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 9.607 ms
Loss rate: 3.20%
```

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

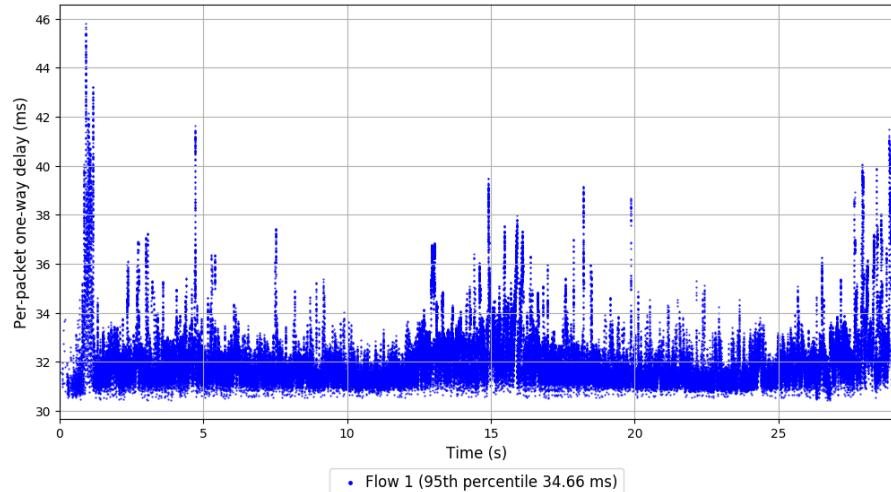
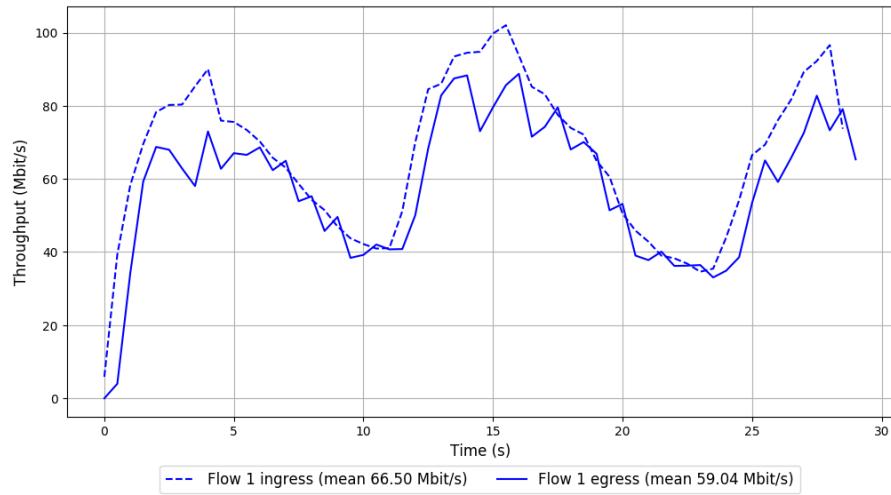


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-02-11 13:27:01
End at: 2019-02-11 13:27:31
Local clock offset: -4.358 ms
Remote clock offset: 21.883 ms

# Below is generated by plot.py at 2019-02-11 14:14:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.04 Mbit/s
95th percentile per-packet one-way delay: 34.659 ms
Loss rate: 11.21%
-- Flow 1:
Average throughput: 59.04 Mbit/s
95th percentile per-packet one-way delay: 34.659 ms
Loss rate: 11.21%
```

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

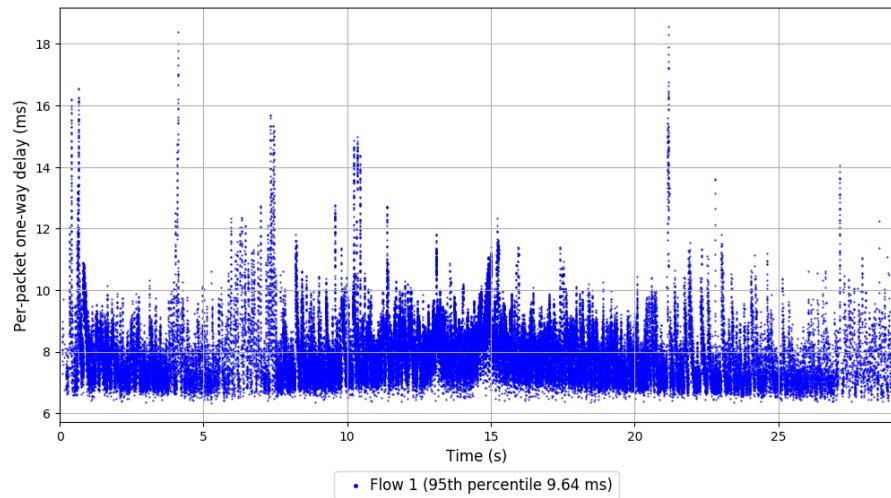
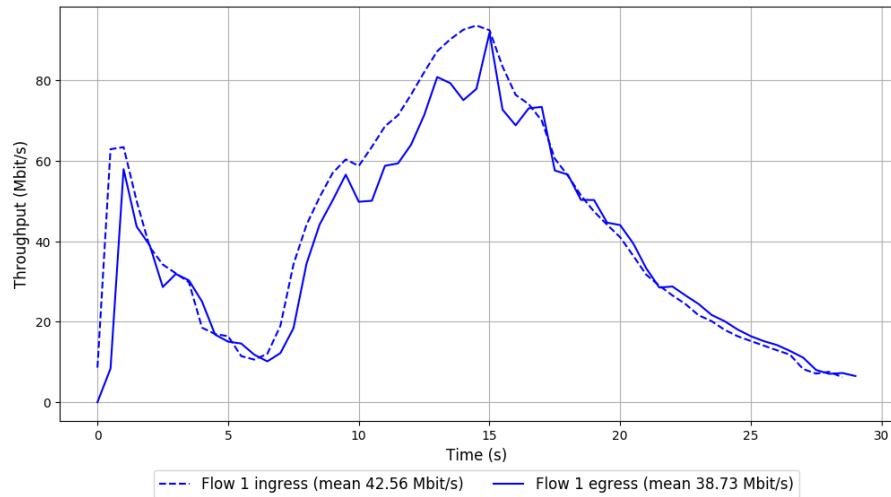


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-02-11 13:52:23
End at: 2019-02-11 13:52:53
Local clock offset: -0.12 ms
Remote clock offset: -1.875 ms

# Below is generated by plot.py at 2019-02-11 14:14:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.73 Mbit/s
95th percentile per-packet one-way delay: 9.644 ms
Loss rate: 9.01%
-- Flow 1:
Average throughput: 38.73 Mbit/s
95th percentile per-packet one-way delay: 9.644 ms
Loss rate: 9.01%
```

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

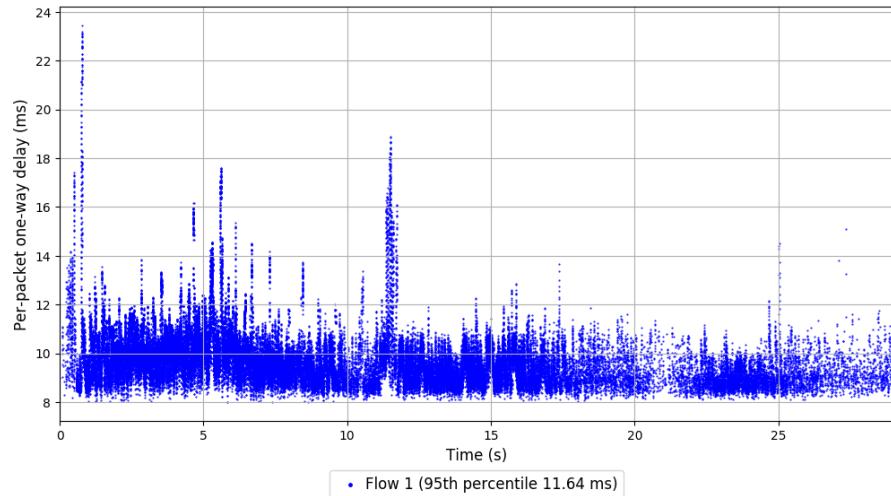
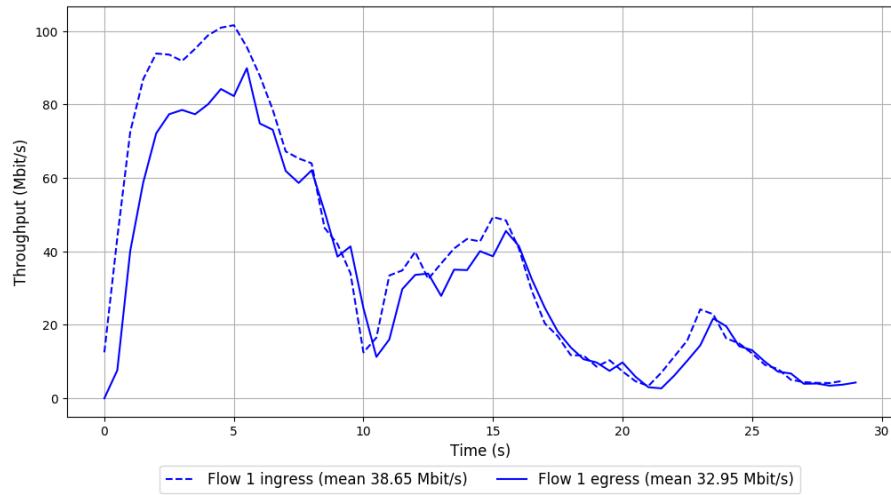


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-02-11 12:14:42
End at: 2019-02-11 12:15:12
Local clock offset: -0.173 ms
Remote clock offset: 0.195 ms

# Below is generated by plot.py at 2019-02-11 14:14:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.95 Mbit/s
95th percentile per-packet one-way delay: 11.641 ms
Loss rate: 14.75%
-- Flow 1:
Average throughput: 32.95 Mbit/s
95th percentile per-packet one-way delay: 11.641 ms
Loss rate: 14.75%
```

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

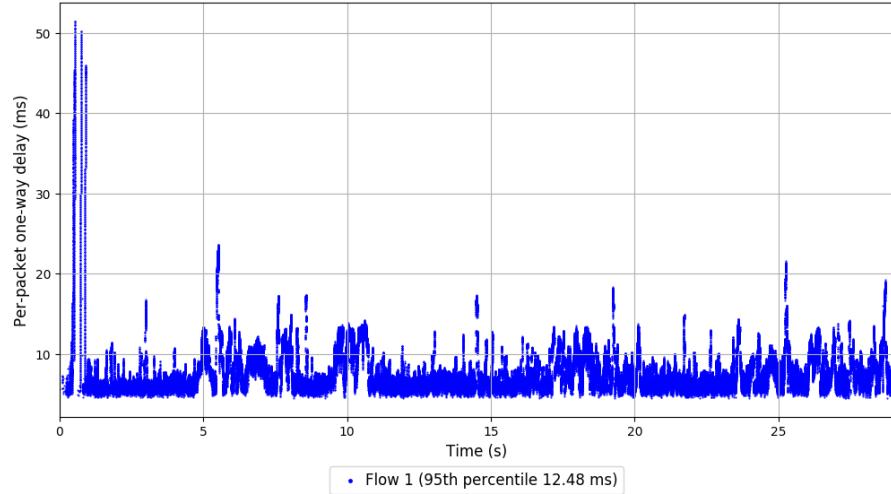
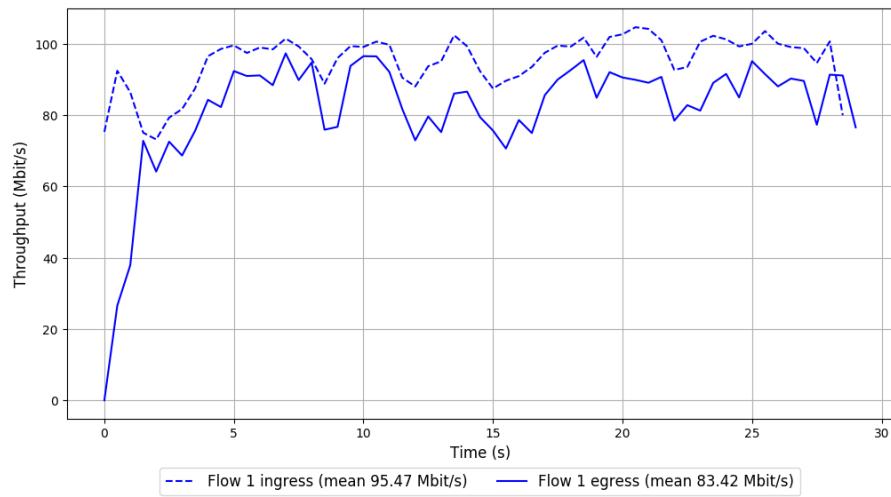


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-02-11 12:40:41
End at: 2019-02-11 12:41:11
Local clock offset: -1.679 ms
Remote clock offset: -3.354 ms

# Below is generated by plot.py at 2019-02-11 14:14:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.42 Mbit/s
95th percentile per-packet one-way delay: 12.481 ms
Loss rate: 12.62%
-- Flow 1:
Average throughput: 83.42 Mbit/s
95th percentile per-packet one-way delay: 12.481 ms
Loss rate: 12.62%
```

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

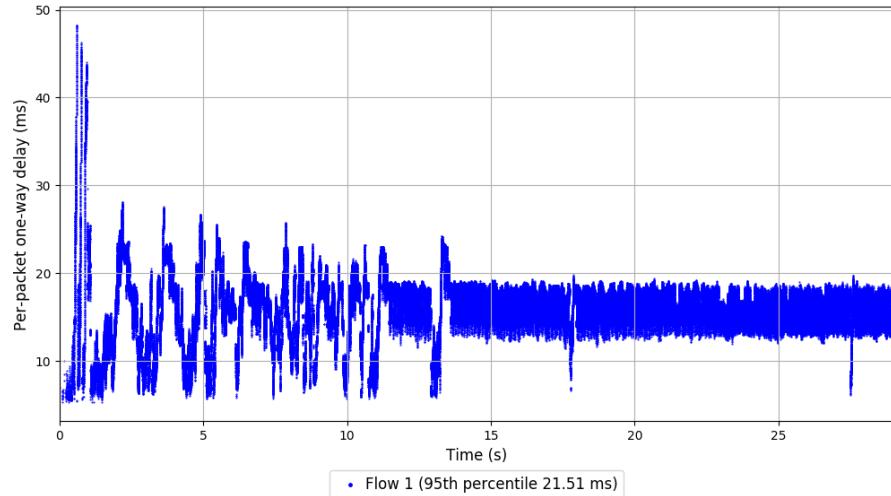
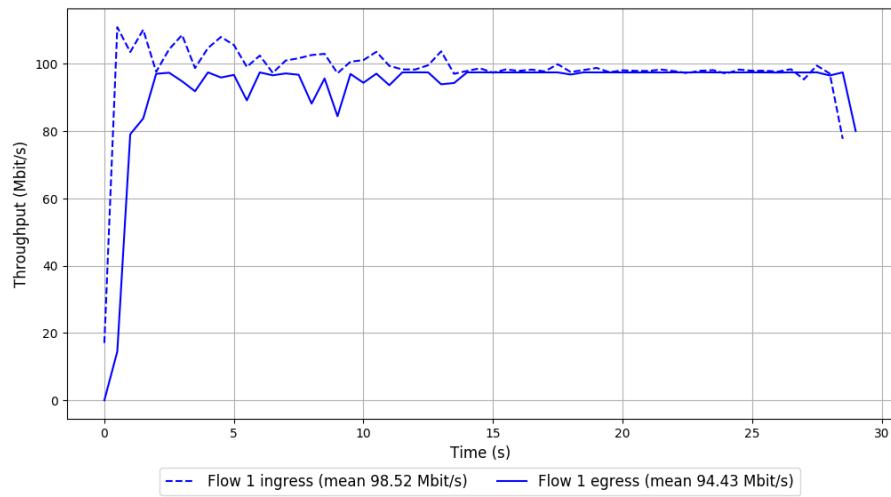


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-02-11 13:06:03
End at: 2019-02-11 13:06:33
Local clock offset: -5.214 ms
Remote clock offset: -3.223 ms

# Below is generated by plot.py at 2019-02-11 14:14:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 21.512 ms
Loss rate: 4.13%
-- Flow 1:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 21.512 ms
Loss rate: 4.13%
```

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

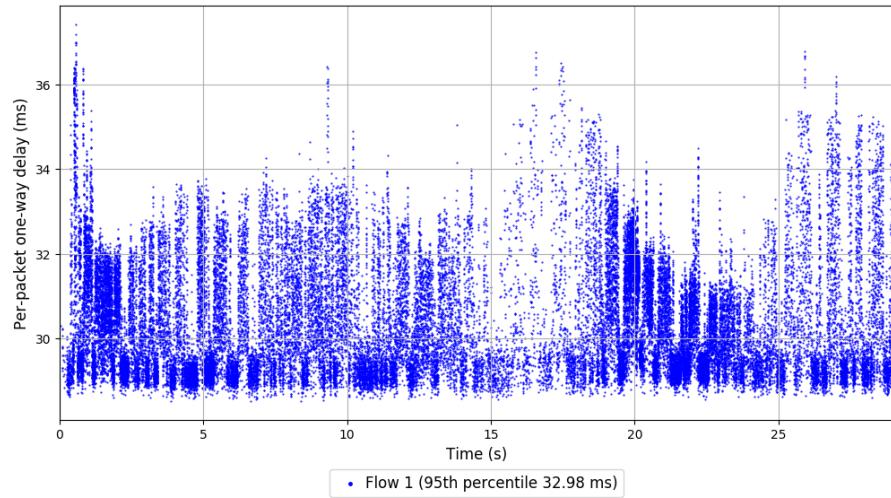
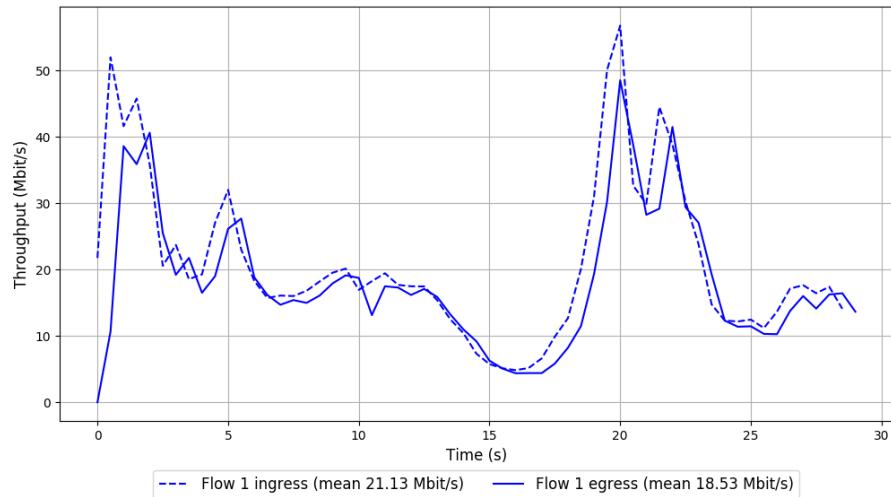


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-02-11 13:31:36
End at: 2019-02-11 13:32:06
Local clock offset: -3.265 ms
Remote clock offset: 21.165 ms

# Below is generated by plot.py at 2019-02-11 14:14:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.53 Mbit/s
95th percentile per-packet one-way delay: 32.976 ms
Loss rate: 12.33%
-- Flow 1:
Average throughput: 18.53 Mbit/s
95th percentile per-packet one-way delay: 32.976 ms
Loss rate: 12.33%
```

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

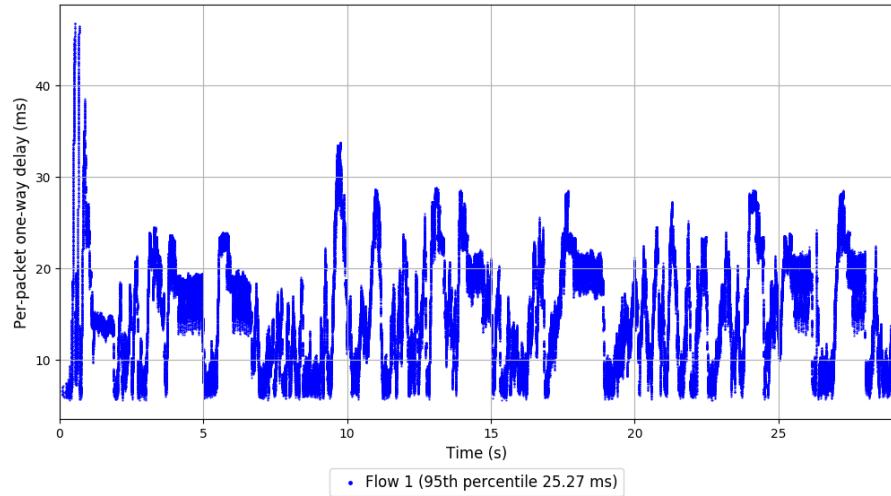
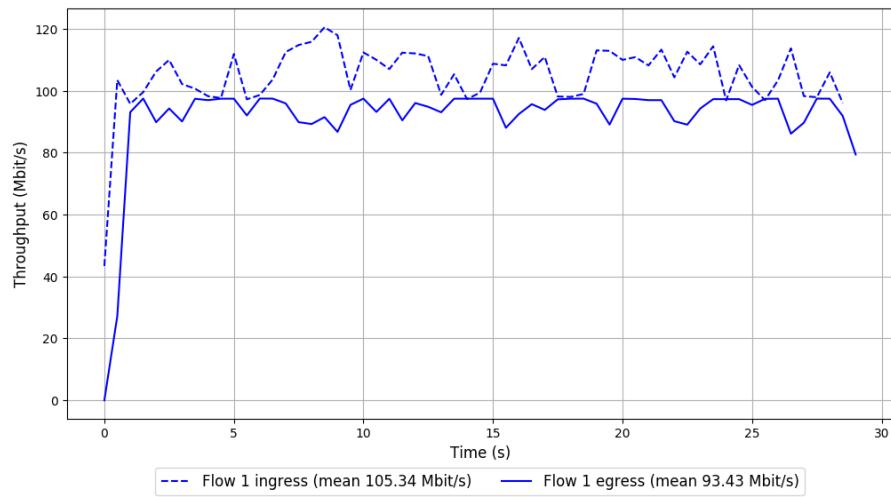


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-02-11 13:57:18
End at: 2019-02-11 13:57:48
Local clock offset: 0.711 ms
Remote clock offset: -2.321 ms

# Below is generated by plot.py at 2019-02-11 14:15:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 25.271 ms
Loss rate: 11.29%
-- Flow 1:
Average throughput: 93.43 Mbit/s
95th percentile per-packet one-way delay: 25.271 ms
Loss rate: 11.29%
```

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

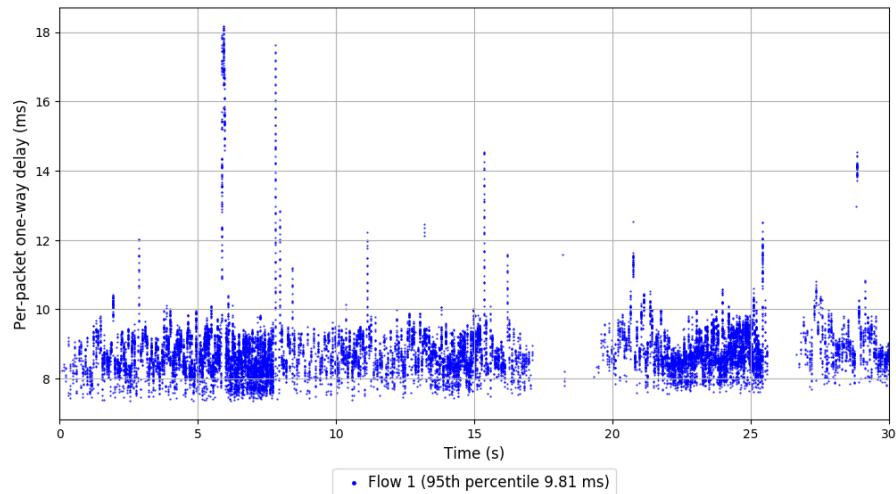
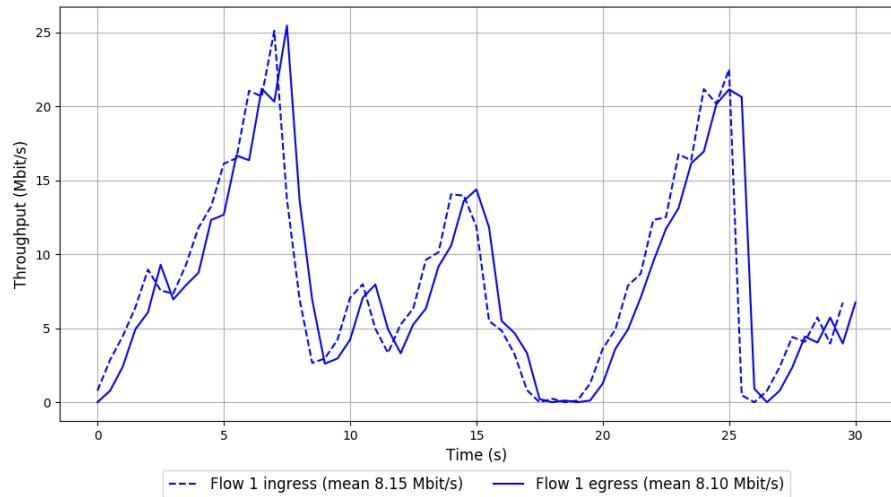


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2019-02-11 12:04:29
End at: 2019-02-11 12:04:59
Local clock offset: -5.813 ms
Remote clock offset: -1.693 ms

# Below is generated by plot.py at 2019-02-11 14:15:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.10 Mbit/s
95th percentile per-packet one-way delay: 9.806 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 8.10 Mbit/s
95th percentile per-packet one-way delay: 9.806 ms
Loss rate: 0.55%
```

Run 1: Report of LEDBAT — Data Link

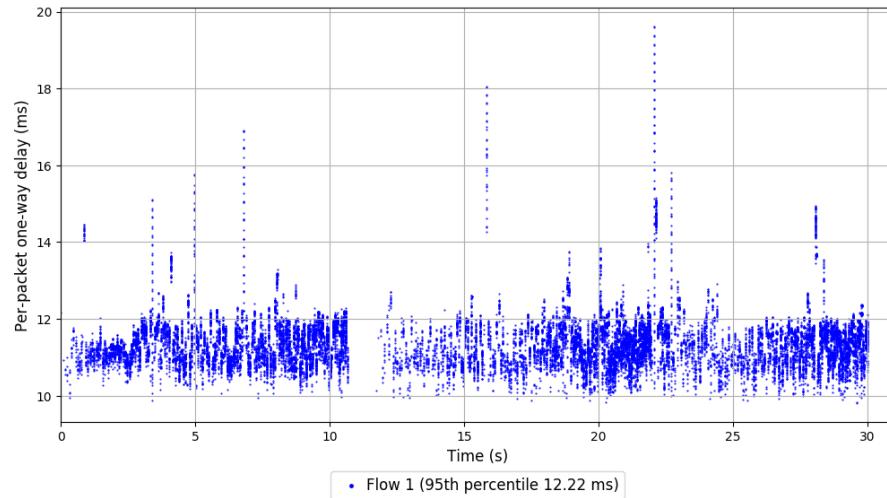
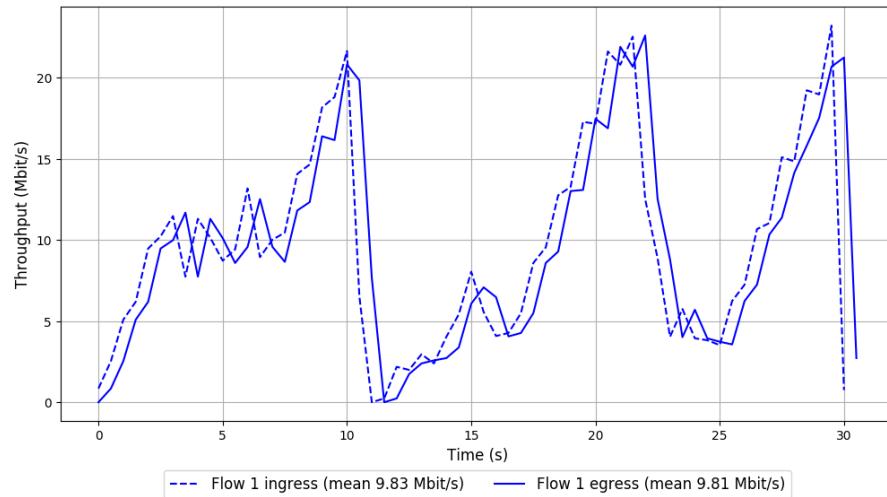


Run 2: Statistics of LEDBAT

```
Start at: 2019-02-11 12:30:47
End at: 2019-02-11 12:31:17
Local clock offset: -0.152 ms
Remote clock offset: 0.943 ms

# Below is generated by plot.py at 2019-02-11 14:15:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.81 Mbit/s
95th percentile per-packet one-way delay: 12.220 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 9.81 Mbit/s
95th percentile per-packet one-way delay: 12.220 ms
Loss rate: 0.19%
```

## Run 2: Report of LEDBAT — Data Link

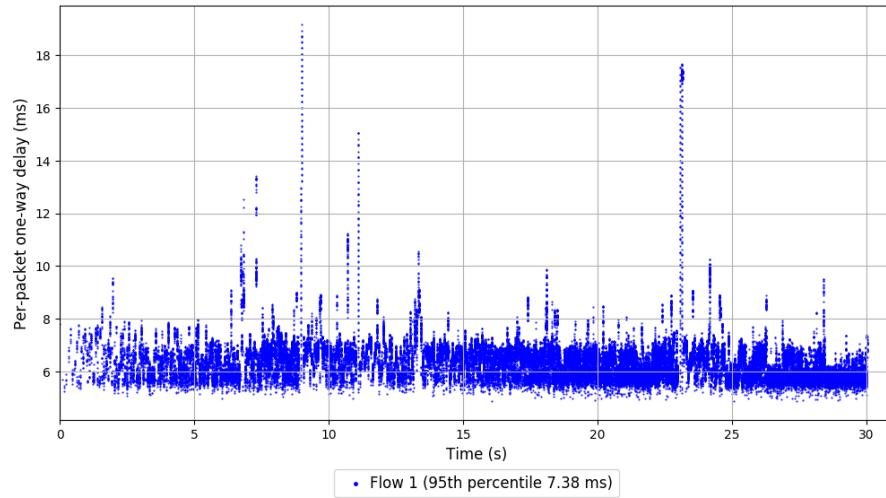
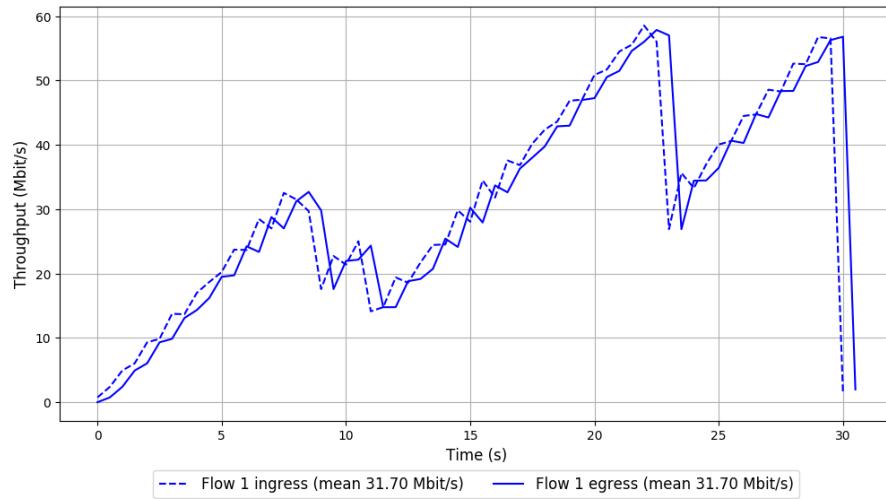


Run 3: Statistics of LEDBAT

```
Start at: 2019-02-11 12:56:35
End at: 2019-02-11 12:57:05
Local clock offset: -5.231 ms
Remote clock offset: -3.898 ms

# Below is generated by plot.py at 2019-02-11 14:15:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 7.384 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 31.70 Mbit/s
95th percentile per-packet one-way delay: 7.384 ms
Loss rate: 0.02%
```

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

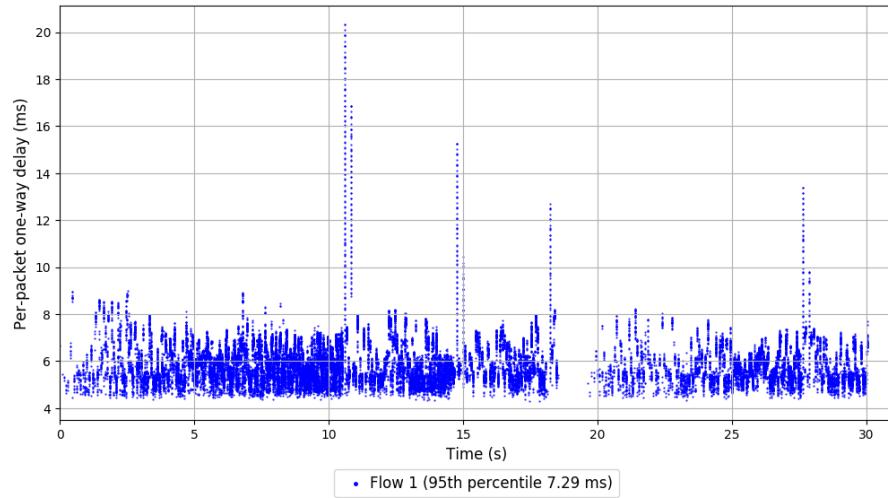
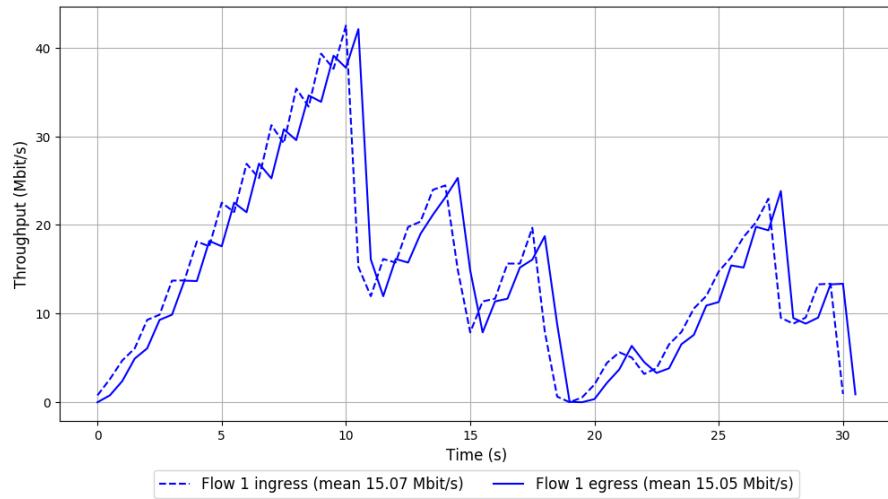


Run 4: Statistics of LEDBAT

```
Start at: 2019-02-11 13:22:23
End at: 2019-02-11 13:22:53
Local clock offset: -2.947 ms
Remote clock offset: -3.019 ms

# Below is generated by plot.py at 2019-02-11 14:15:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.05 Mbit/s
95th percentile per-packet one-way delay: 7.285 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 15.05 Mbit/s
95th percentile per-packet one-way delay: 7.285 ms
Loss rate: 0.15%
```

Run 4: Report of LEDBAT — Data Link

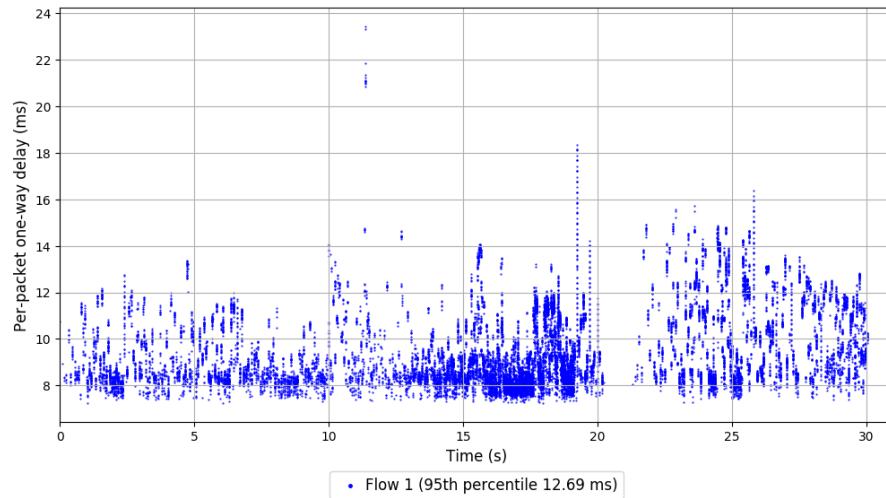
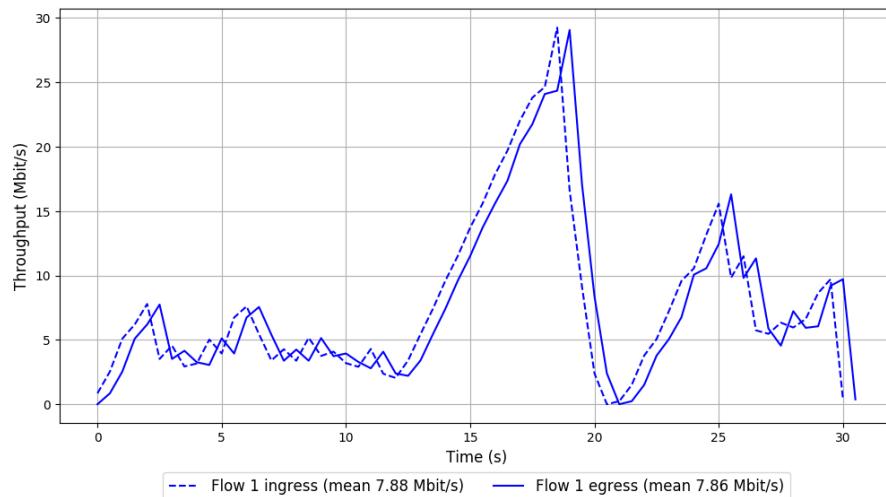


Run 5: Statistics of LEDBAT

```
Start at: 2019-02-11 13:47:26
End at: 2019-02-11 13:47:56
Local clock offset: -0.763 ms
Remote clock offset: -1.242 ms

# Below is generated by plot.py at 2019-02-11 14:15:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 12.687 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 7.86 Mbit/s
95th percentile per-packet one-way delay: 12.687 ms
Loss rate: 0.29%
```

Run 5: Report of LEDBAT — Data Link

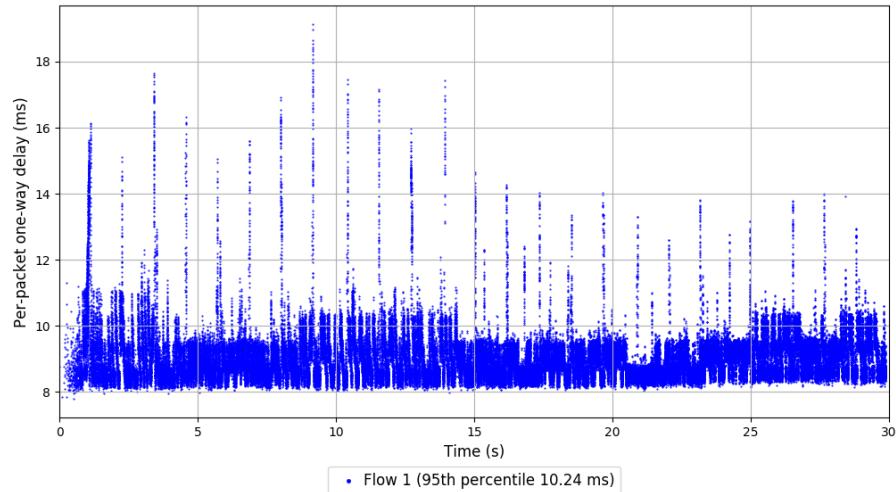
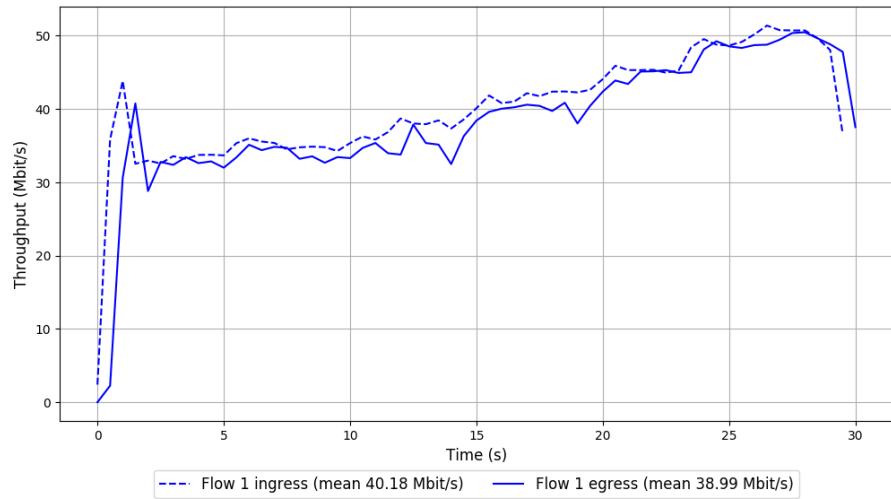


Run 1: Statistics of PCC-Allegro

```
Start at: 2019-02-11 12:19:49
End at: 2019-02-11 12:20:19
Local clock offset: -0.024 ms
Remote clock offset: -0.184 ms

# Below is generated by plot.py at 2019-02-11 14:15:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.99 Mbit/s
95th percentile per-packet one-way delay: 10.237 ms
Loss rate: 2.97%
-- Flow 1:
Average throughput: 38.99 Mbit/s
95th percentile per-packet one-way delay: 10.237 ms
Loss rate: 2.97%
```

Run 1: Report of PCC-Allegro — Data Link

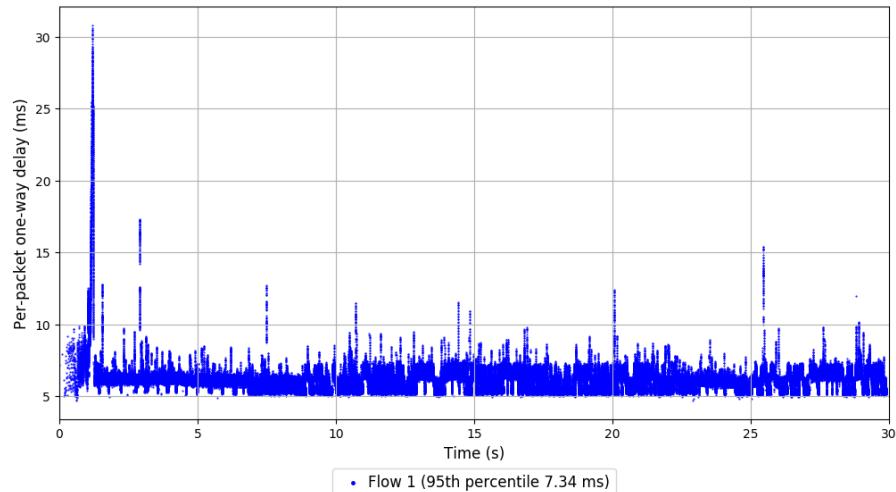
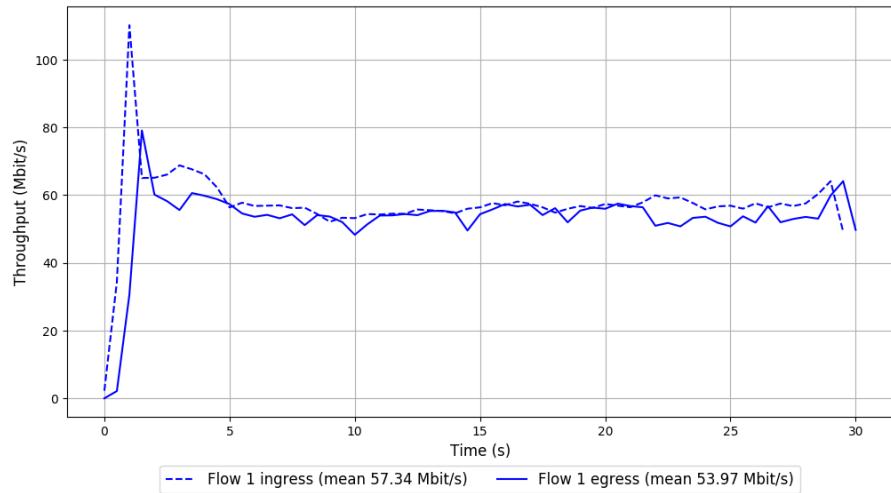


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-02-11 12:45:34
End at: 2019-02-11 12:46:04
Local clock offset: -2.848 ms
Remote clock offset: -3.586 ms

# Below is generated by plot.py at 2019-02-11 14:15:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.97 Mbit/s
95th percentile per-packet one-way delay: 7.343 ms
Loss rate: 5.89%
-- Flow 1:
Average throughput: 53.97 Mbit/s
95th percentile per-packet one-way delay: 7.343 ms
Loss rate: 5.89%
```

Run 2: Report of PCC-Allegro — Data Link

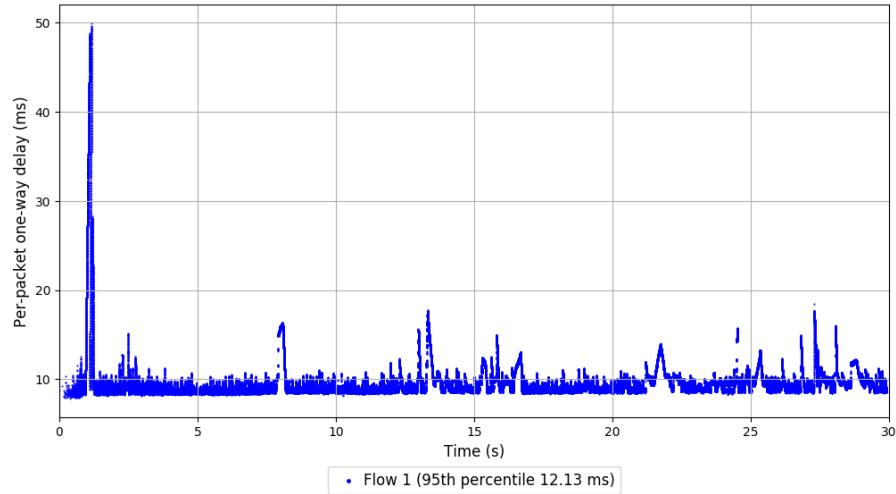
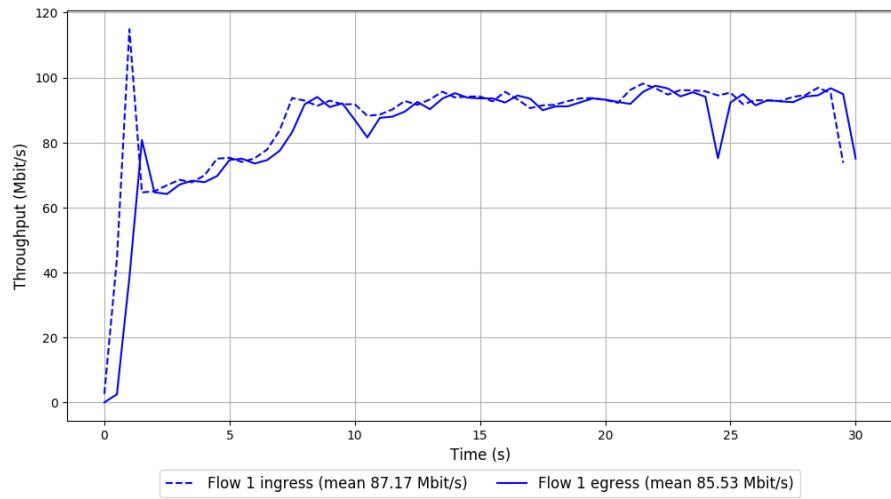


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-02-11 13:11:02
End at: 2019-02-11 13:11:32
Local clock offset: -6.267 ms
Remote clock offset: -2.521 ms

# Below is generated by plot.py at 2019-02-11 14:15:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 12.132 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 85.53 Mbit/s
95th percentile per-packet one-way delay: 12.132 ms
Loss rate: 1.88%
```

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

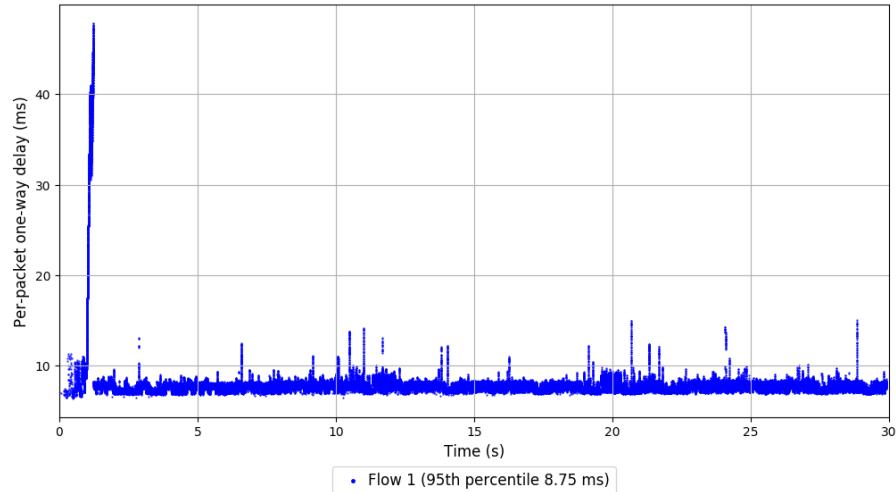
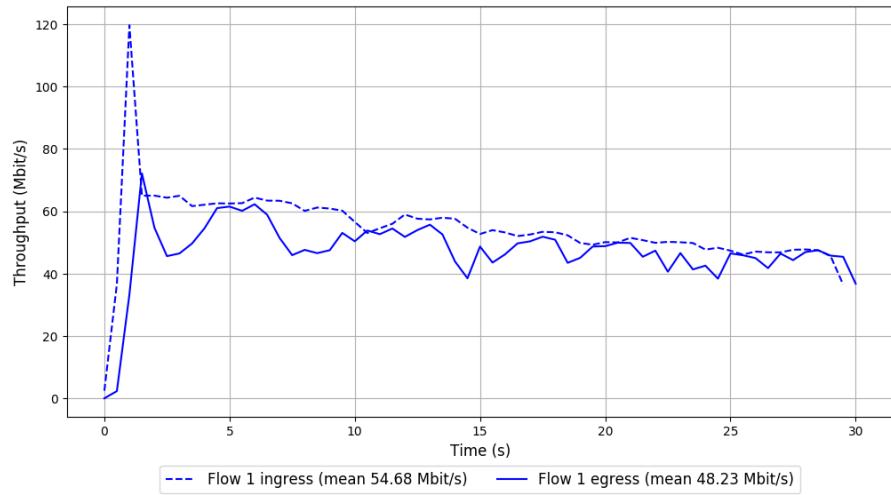


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-02-11 13:36:34
End at: 2019-02-11 13:37:04
Local clock offset: -3.702 ms
Remote clock offset: -2.529 ms

# Below is generated by plot.py at 2019-02-11 14:15:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.23 Mbit/s
95th percentile per-packet one-way delay: 8.752 ms
Loss rate: 11.81%
-- Flow 1:
Average throughput: 48.23 Mbit/s
95th percentile per-packet one-way delay: 8.752 ms
Loss rate: 11.81%
```

Run 4: Report of PCC-Allegro — Data Link

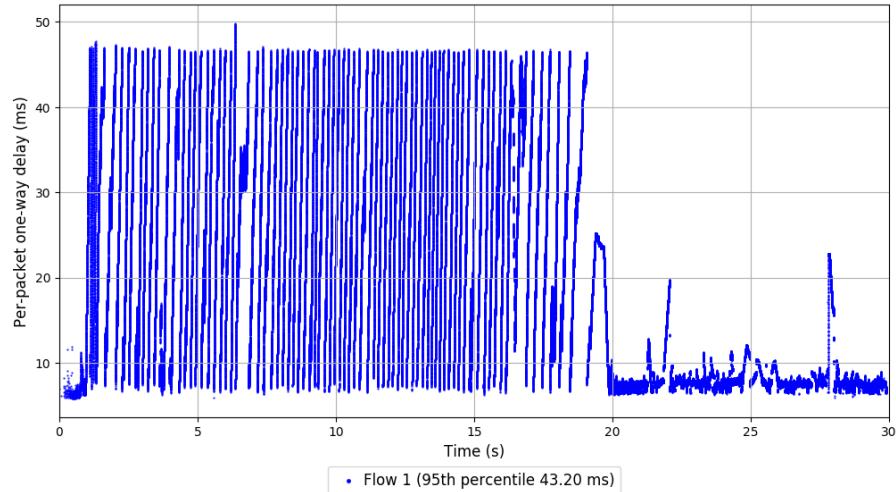
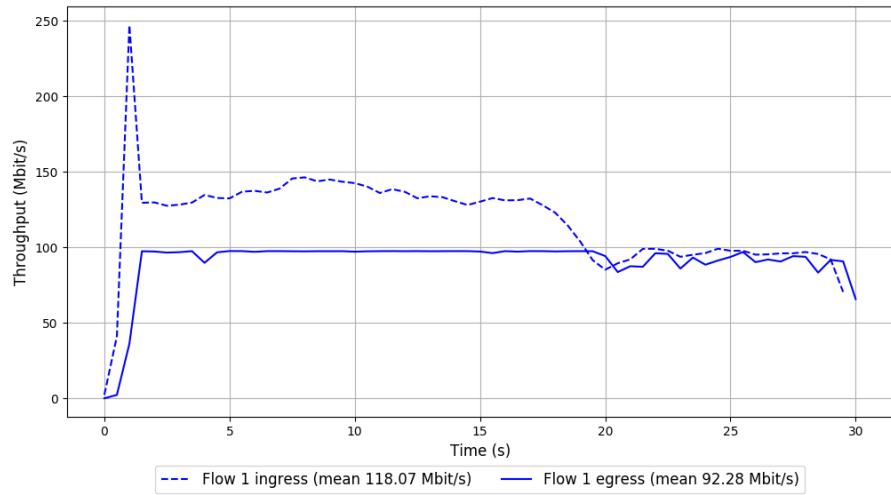


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-02-11 14:02:14
End at: 2019-02-11 14:02:44
Local clock offset: -0.315 ms
Remote clock offset: -3.361 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.28 Mbit/s
95th percentile per-packet one-way delay: 43.201 ms
Loss rate: 21.84%
-- Flow 1:
Average throughput: 92.28 Mbit/s
95th percentile per-packet one-way delay: 43.201 ms
Loss rate: 21.84%
```

Run 5: Report of PCC-Allegro — Data Link

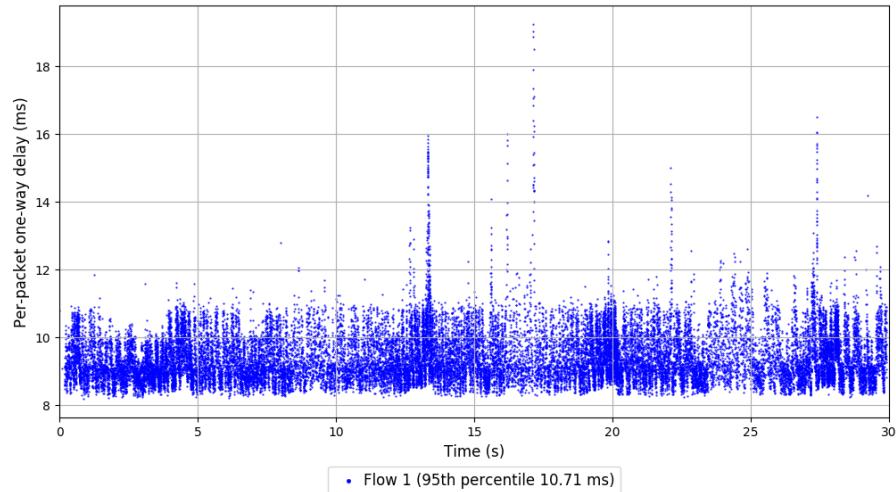
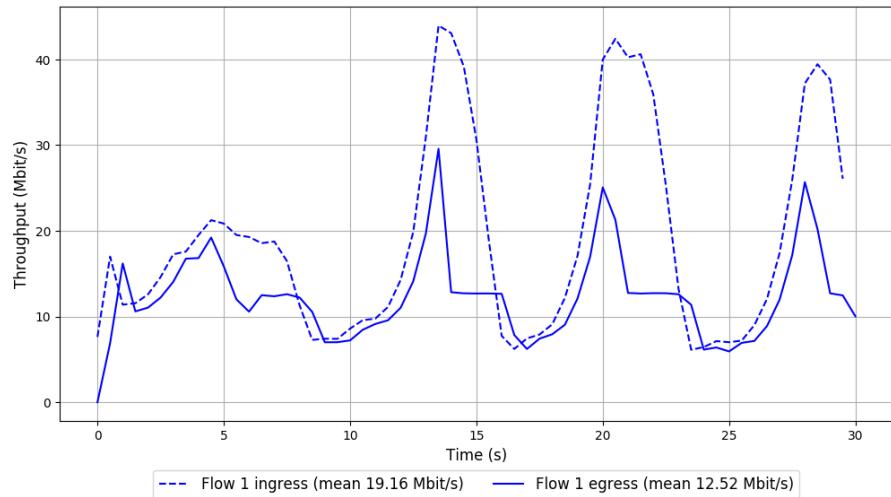


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-02-11 12:17:16
End at: 2019-02-11 12:17:46
Local clock offset: 0.711 ms
Remote clock offset: 0.981 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.52 Mbit/s
95th percentile per-packet one-way delay: 10.708 ms
Loss rate: 34.64%
-- Flow 1:
Average throughput: 12.52 Mbit/s
95th percentile per-packet one-way delay: 10.708 ms
Loss rate: 34.64%
```

Run 1: Report of PCC-Expr — Data Link

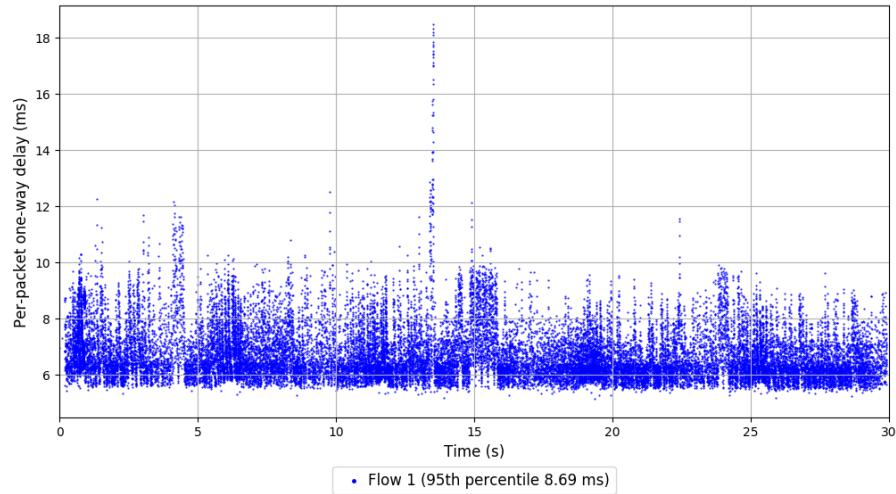
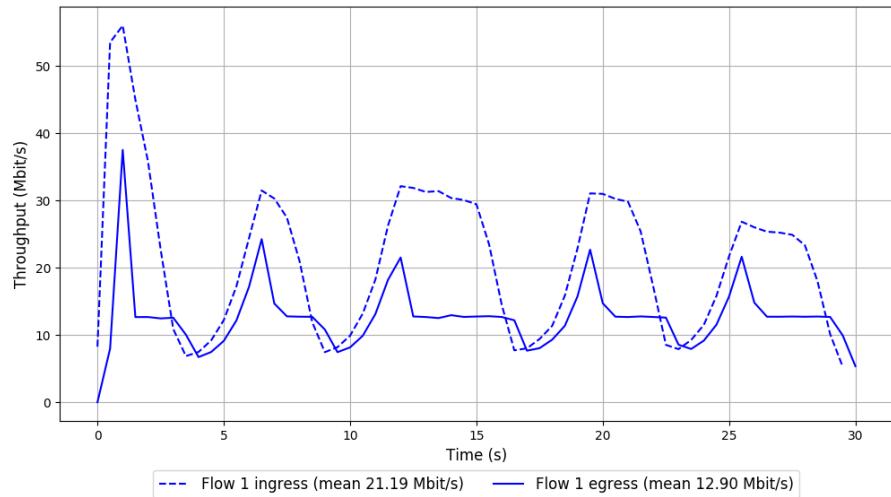


Run 2: Statistics of PCC-Expr

```
Start at: 2019-02-11 12:43:02
End at: 2019-02-11 12:43:32
Local clock offset: -3.383 ms
Remote clock offset: -3.835 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.90 Mbit/s
95th percentile per-packet one-way delay: 8.690 ms
Loss rate: 39.12%
-- Flow 1:
Average throughput: 12.90 Mbit/s
95th percentile per-packet one-way delay: 8.690 ms
Loss rate: 39.12%
```

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

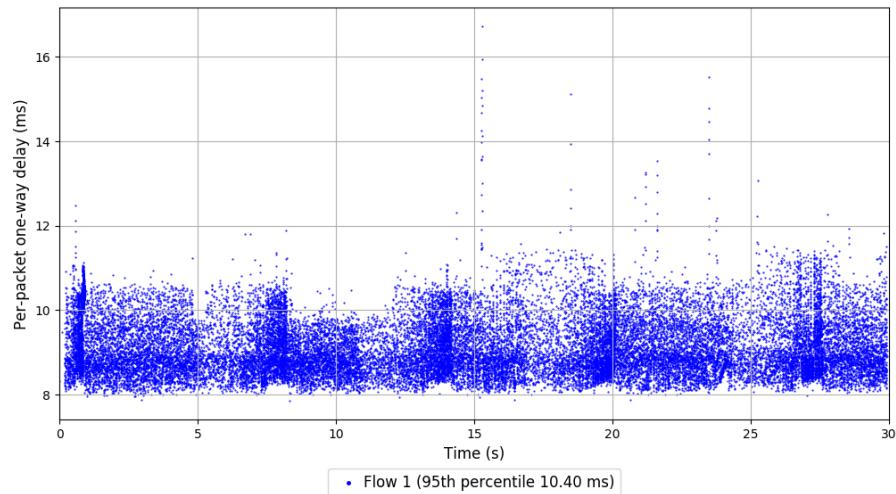
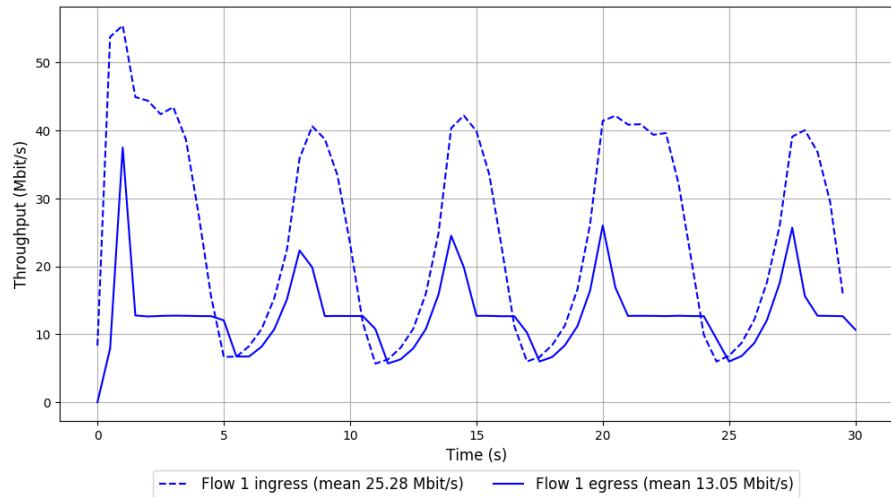


Run 3: Statistics of PCC-Expr

```
Start at: 2019-02-11 13:08:26
End at: 2019-02-11 13:08:56
Local clock offset: -6.738 ms
Remote clock offset: -2.542 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 10.405 ms
Loss rate: 48.37%
-- Flow 1:
Average throughput: 13.05 Mbit/s
95th percentile per-packet one-way delay: 10.405 ms
Loss rate: 48.37%
```

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

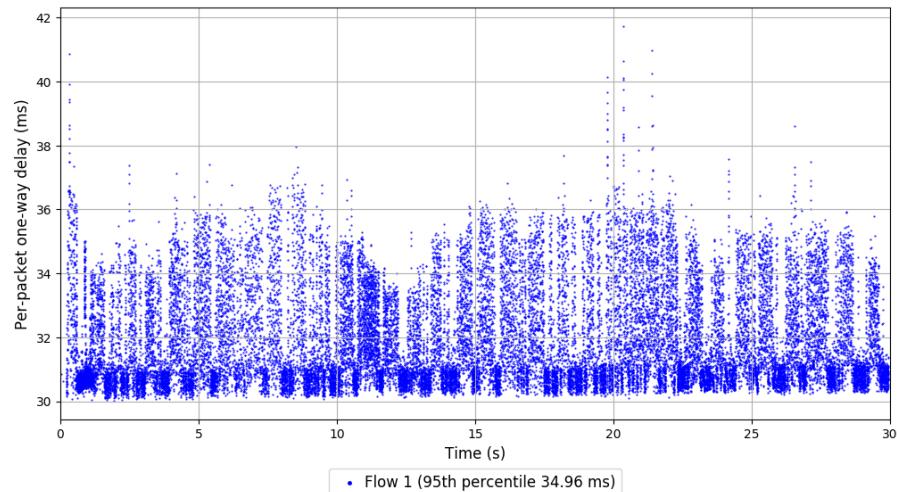
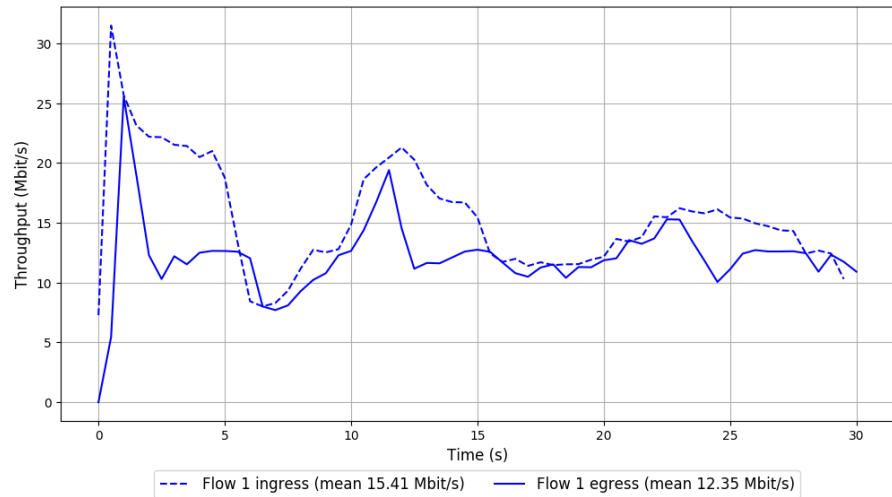


Run 4: Statistics of PCC-Expr

```
Start at: 2019-02-11 13:34:00
End at: 2019-02-11 13:34:30
Local clock offset: -4.301 ms
Remote clock offset: 21.665 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.35 Mbit/s
95th percentile per-packet one-way delay: 34.961 ms
Loss rate: 19.88%
-- Flow 1:
Average throughput: 12.35 Mbit/s
95th percentile per-packet one-way delay: 34.961 ms
Loss rate: 19.88%
```

Run 4: Report of PCC-Expr — Data Link

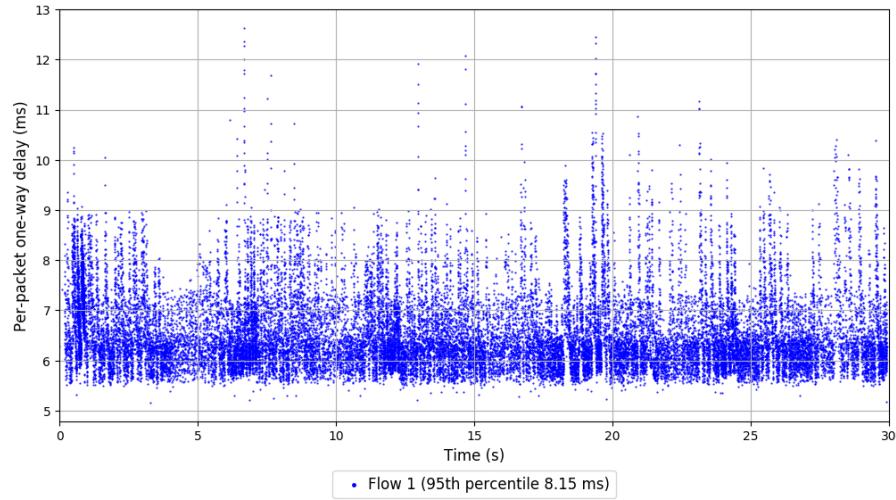
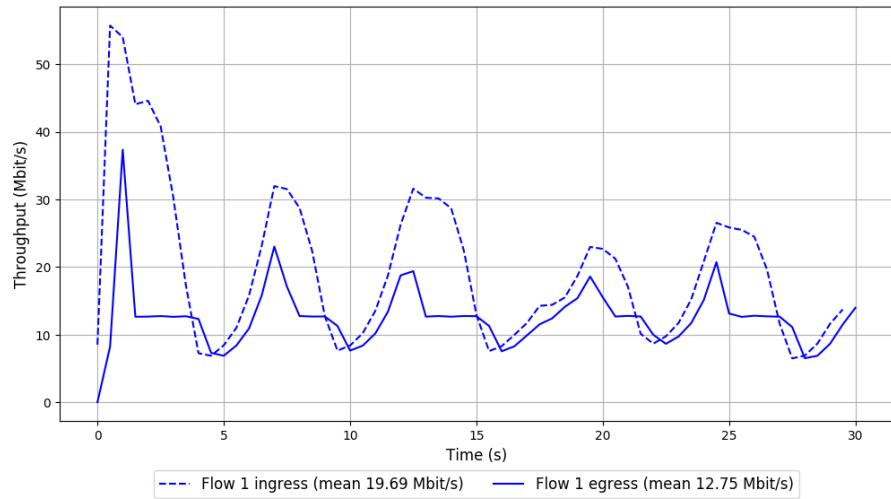


Run 5: Statistics of PCC-Expr

```
Start at: 2019-02-11 13:59:55
End at: 2019-02-11 14:00:25
Local clock offset: 0.721 ms
Remote clock offset: -2.632 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.75 Mbit/s
95th percentile per-packet one-way delay: 8.148 ms
Loss rate: 35.26%
-- Flow 1:
Average throughput: 12.75 Mbit/s
95th percentile per-packet one-way delay: 8.148 ms
Loss rate: 35.26%
```

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

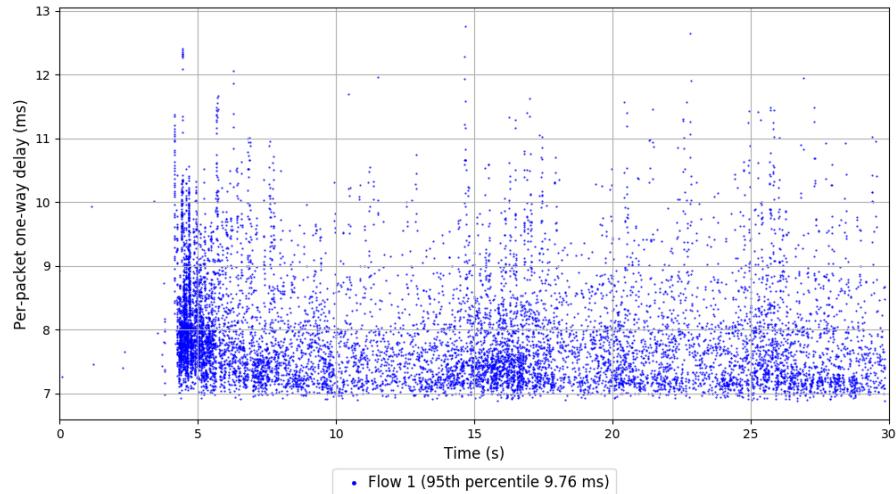
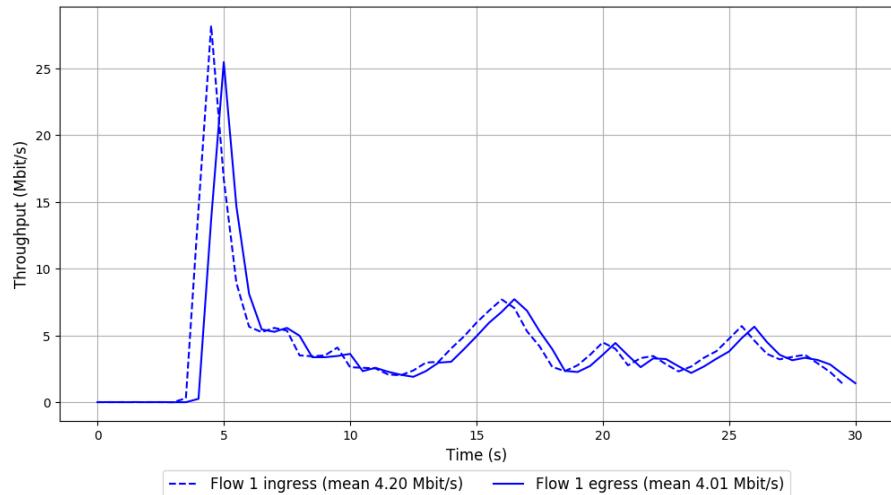


```
Run 1: Statistics of QUIC Cubic

Start at: 2019-02-11 12:01:01
End at: 2019-02-11 12:01:31
Local clock offset: -4.91 ms
Remote clock offset: -1.12 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 9.761 ms
Loss rate: 4.62%
-- Flow 1:
Average throughput: 4.01 Mbit/s
95th percentile per-packet one-way delay: 9.761 ms
Loss rate: 4.62%
```

Run 1: Report of QUIC Cubic — Data Link

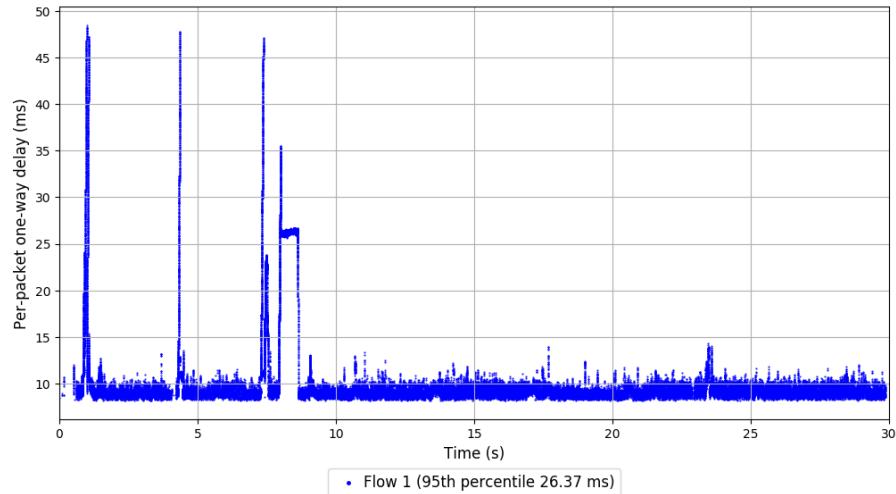
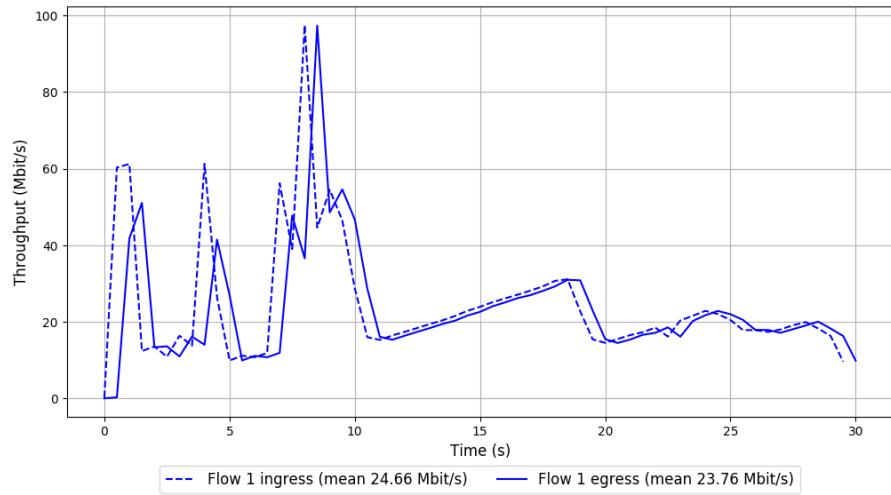


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-02-11 12:27:10
End at: 2019-02-11 12:27:40
Local clock offset: 0.951 ms
Remote clock offset: 0.609 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.76 Mbit/s
95th percentile per-packet one-way delay: 26.369 ms
Loss rate: 3.63%
-- Flow 1:
Average throughput: 23.76 Mbit/s
95th percentile per-packet one-way delay: 26.369 ms
Loss rate: 3.63%
```

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

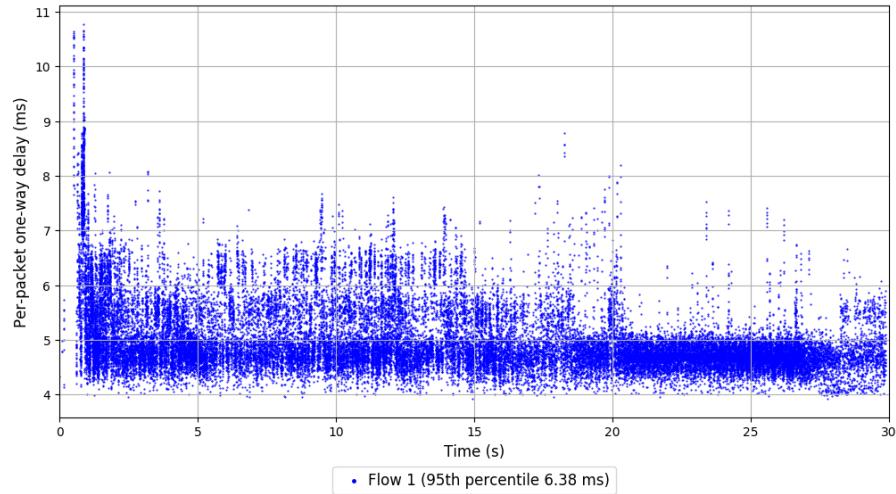
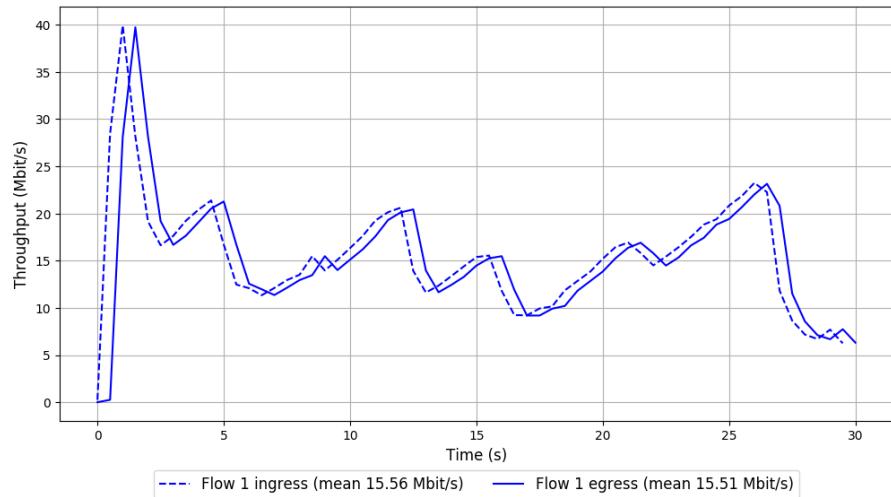


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-02-11 12:53:06
End at: 2019-02-11 12:53:36
Local clock offset: -4.291 ms
Remote clock offset: -4.395 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.51 Mbit/s
95th percentile per-packet one-way delay: 6.381 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 15.51 Mbit/s
95th percentile per-packet one-way delay: 6.381 ms
Loss rate: 0.32%
```

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

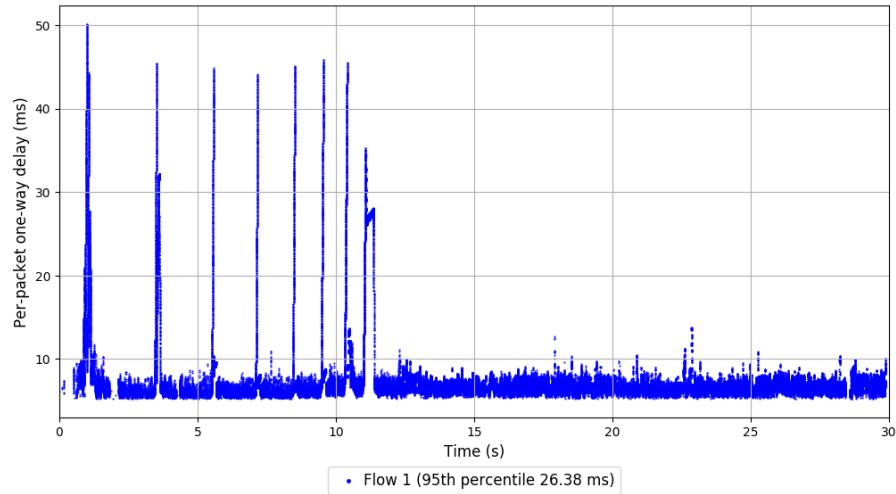
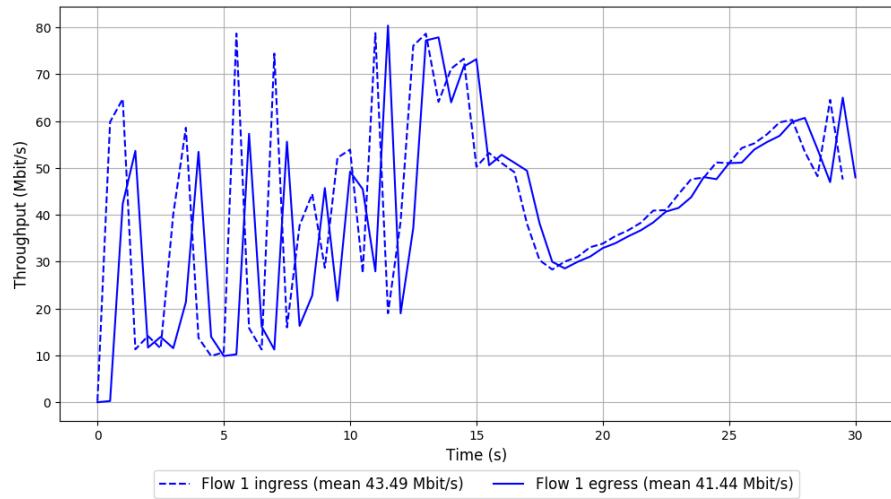


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-02-11 13:18:39
End at: 2019-02-11 13:19:09
Local clock offset: -3.534 ms
Remote clock offset: -2.705 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.44 Mbit/s
95th percentile per-packet one-way delay: 26.383 ms
Loss rate: 4.72%
-- Flow 1:
Average throughput: 41.44 Mbit/s
95th percentile per-packet one-way delay: 26.383 ms
Loss rate: 4.72%
```

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

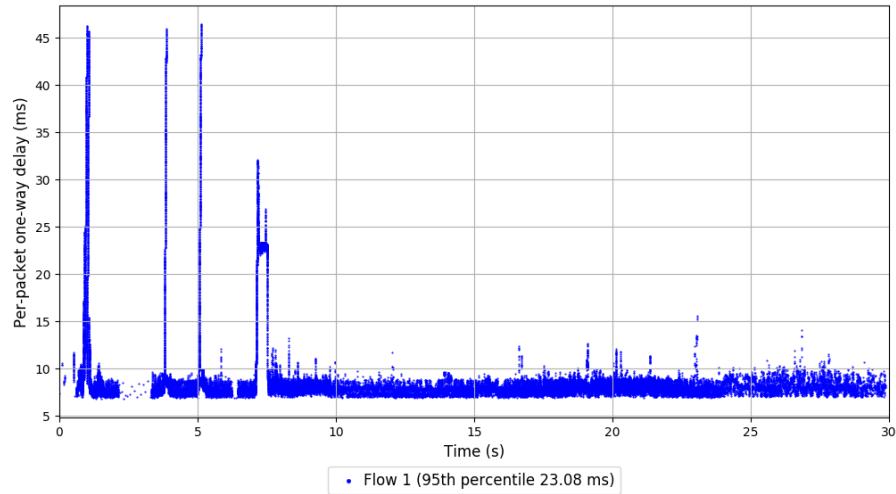
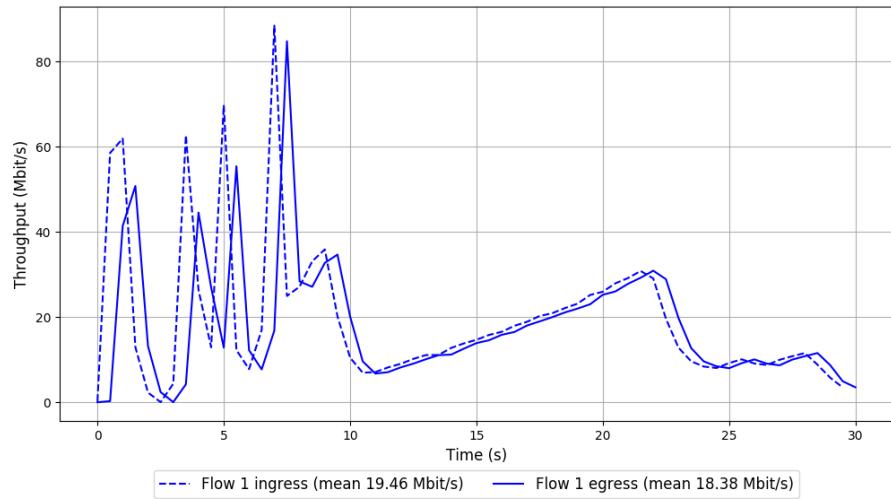


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-02-11 13:44:01
End at: 2019-02-11 13:44:31
Local clock offset: -2.248 ms
Remote clock offset: -2.125 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.38 Mbit/s
95th percentile per-packet one-way delay: 23.080 ms
Loss rate: 5.56%
-- Flow 1:
Average throughput: 18.38 Mbit/s
95th percentile per-packet one-way delay: 23.080 ms
Loss rate: 5.56%
```

Run 5: Report of QUIC Cubic — Data Link

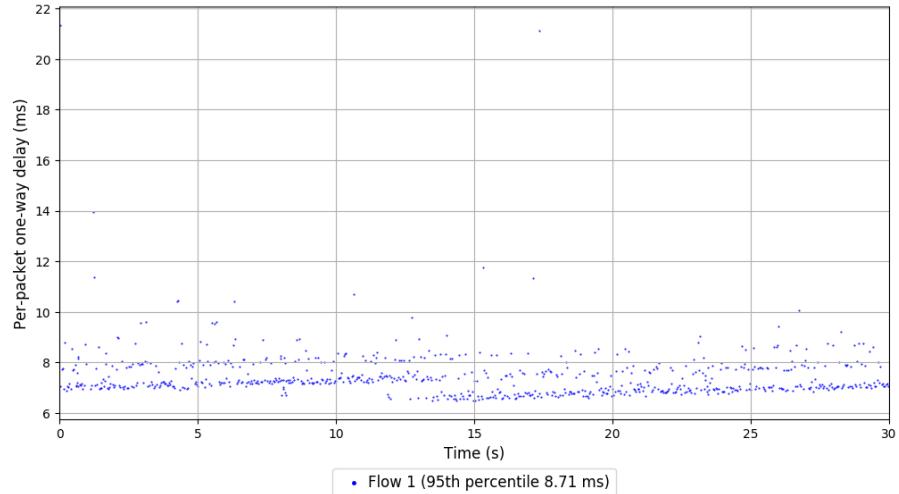
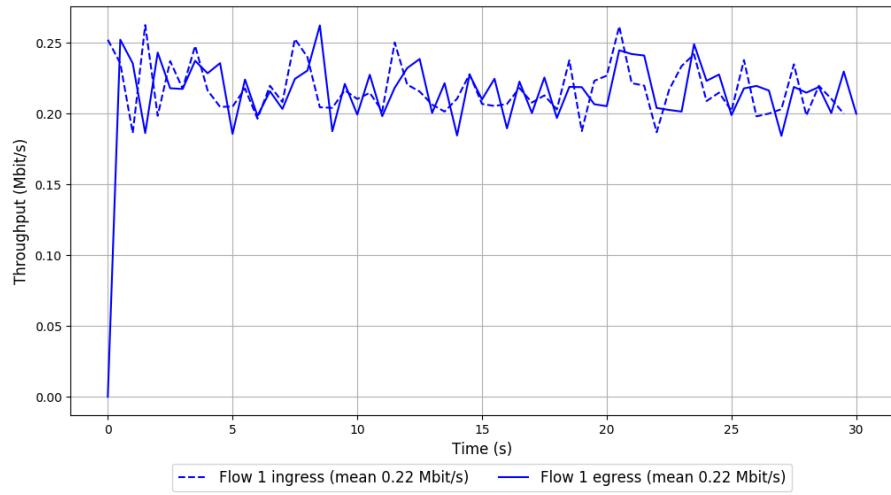


Run 1: Statistics of SCReAM

```
Start at: 2019-02-11 12:03:23
End at: 2019-02-11 12:03:53
Local clock offset: -4.701 ms
Remote clock offset: -0.976 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 8.710 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 8.710 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

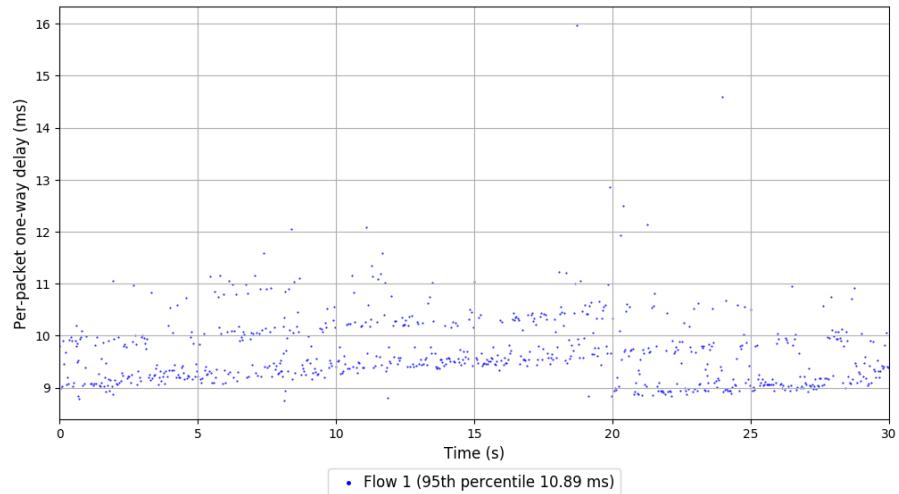
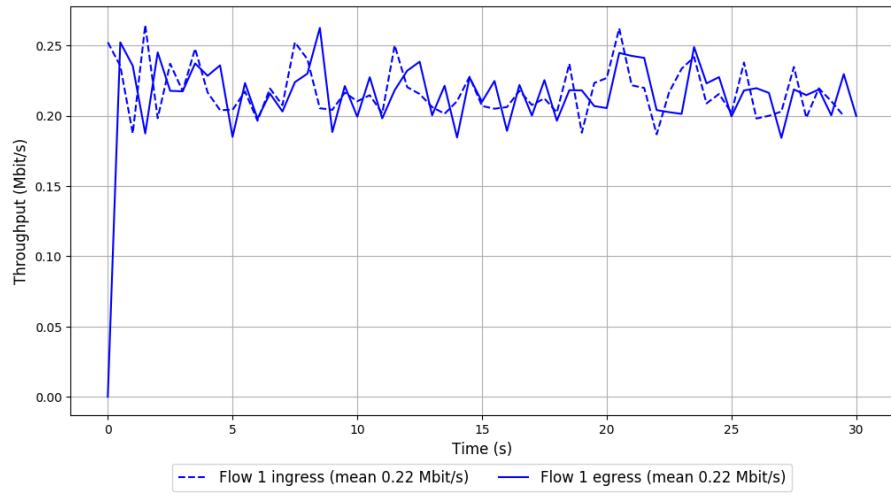


Run 2: Statistics of SCReAM

```
Start at: 2019-02-11 12:29:41
End at: 2019-02-11 12:30:11
Local clock offset: 0.475 ms
Remote clock offset: 0.398 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.893 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 10.893 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

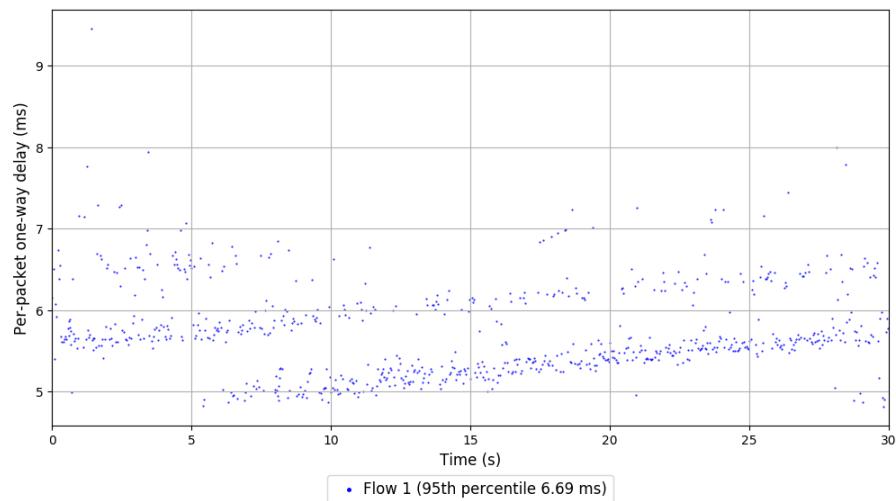
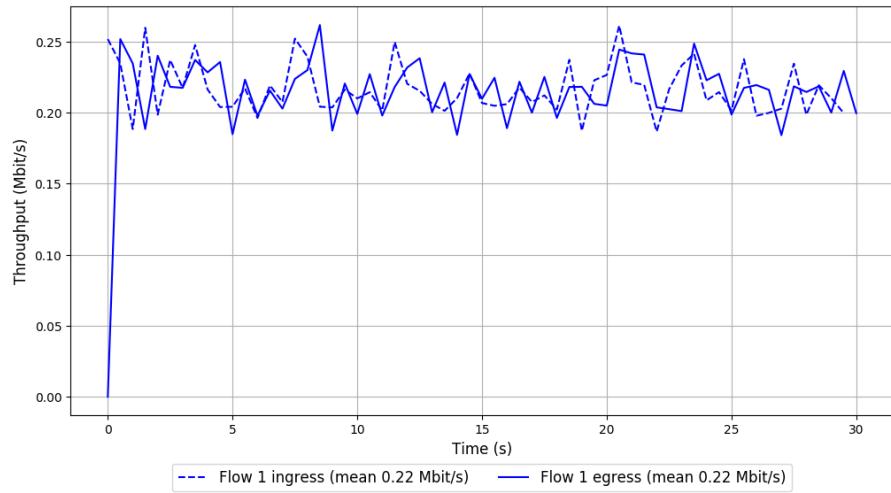


Run 3: Statistics of SCReAM

```
Start at: 2019-02-11 12:55:29
End at: 2019-02-11 12:55:59
Local clock offset: -4.651 ms
Remote clock offset: -3.421 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 6.692 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 6.692 ms
Loss rate: 0.00%
```

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

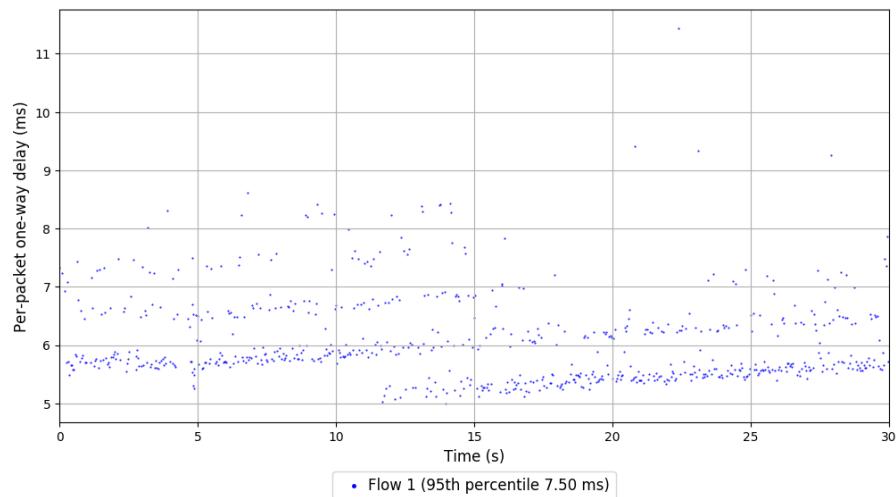
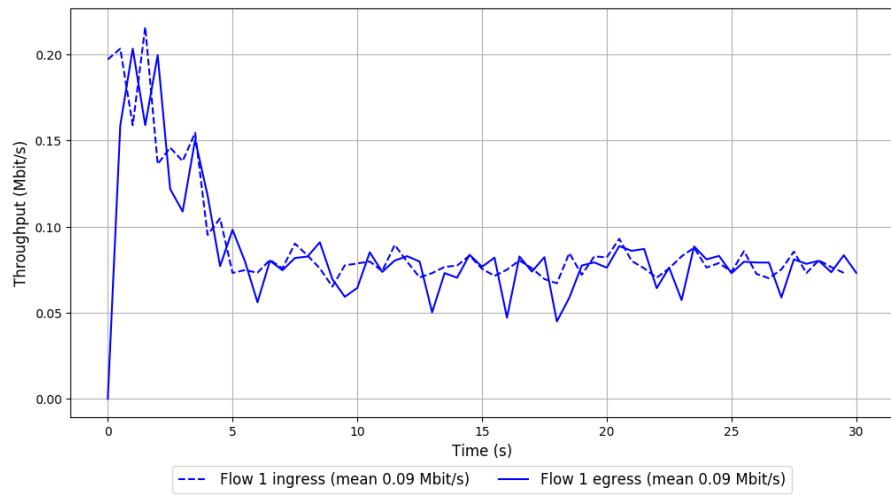


Run 4: Statistics of SCReAM

```
Start at: 2019-02-11 13:21:17
End at: 2019-02-11 13:21:47
Local clock offset: -3.892 ms
Remote clock offset: -3.178 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 7.497 ms
Loss rate: 5.14%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 7.497 ms
Loss rate: 5.14%
```

Run 4: Report of SCReAM — Data Link

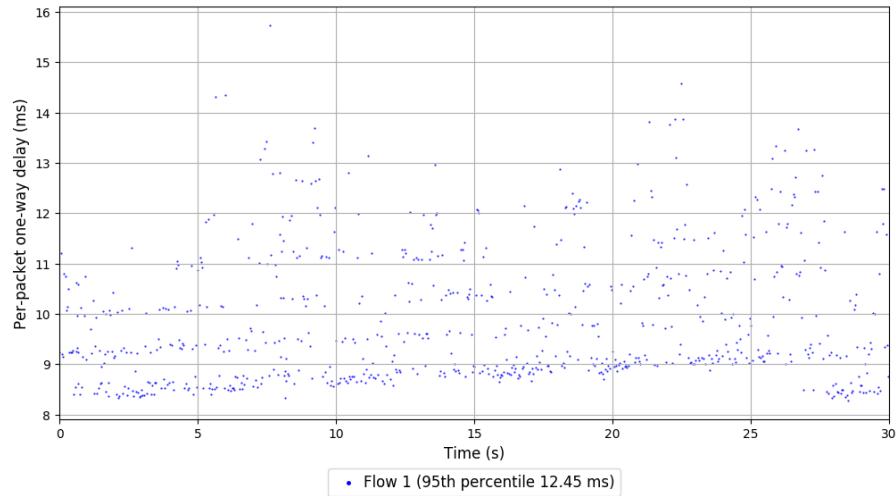
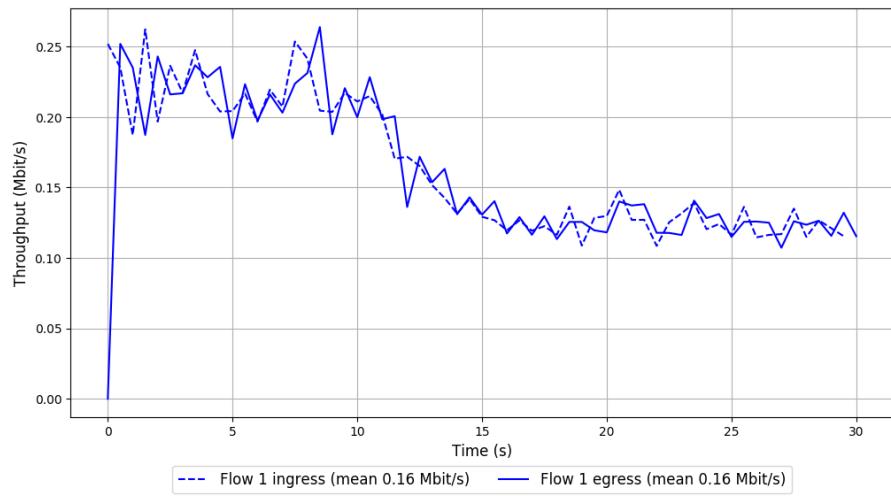


Run 5: Statistics of SCReAM

```
Start at: 2019-02-11 13:46:21
End at: 2019-02-11 13:46:51
Local clock offset: -2.125 ms
Remote clock offset: -1.49 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 12.447 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 12.447 ms
Loss rate: 0.53%
```

Run 5: Report of SCReAM — Data Link

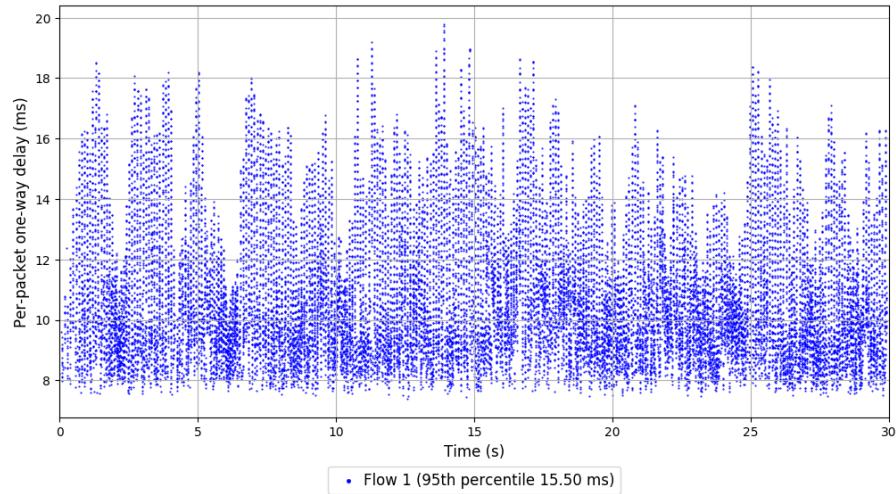
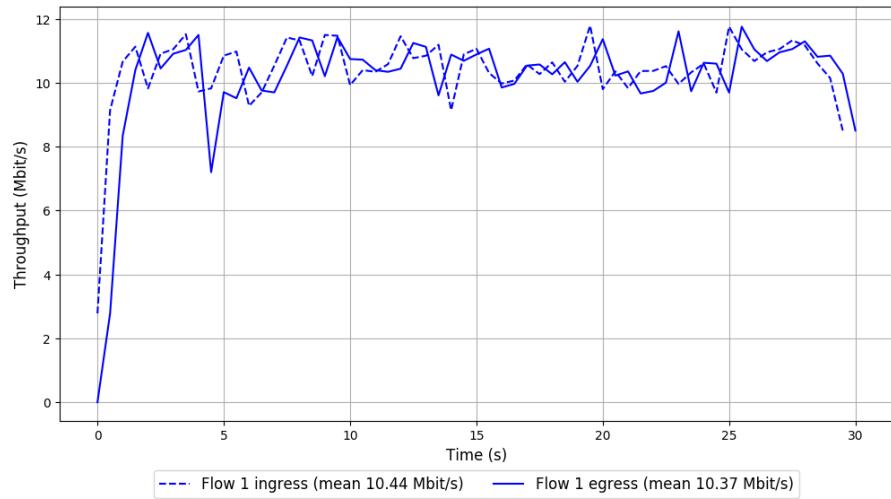


Run 1: Statistics of Sprout

```
Start at: 2019-02-11 12:21:04
End at: 2019-02-11 12:21:34
Local clock offset: 0.944 ms
Remote clock offset: 0.278 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.37 Mbit/s
95th percentile per-packet one-way delay: 15.503 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 10.37 Mbit/s
95th percentile per-packet one-way delay: 15.503 ms
Loss rate: 0.65%
```

## Run 1: Report of Sprout — Data Link

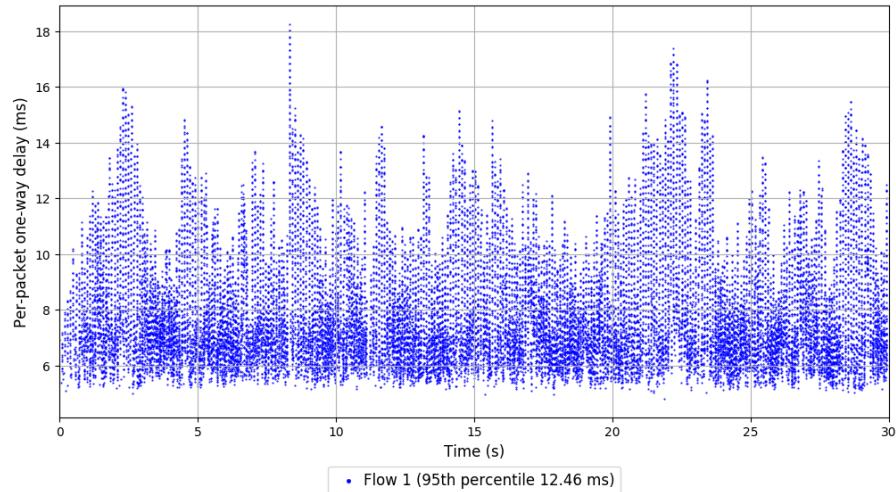
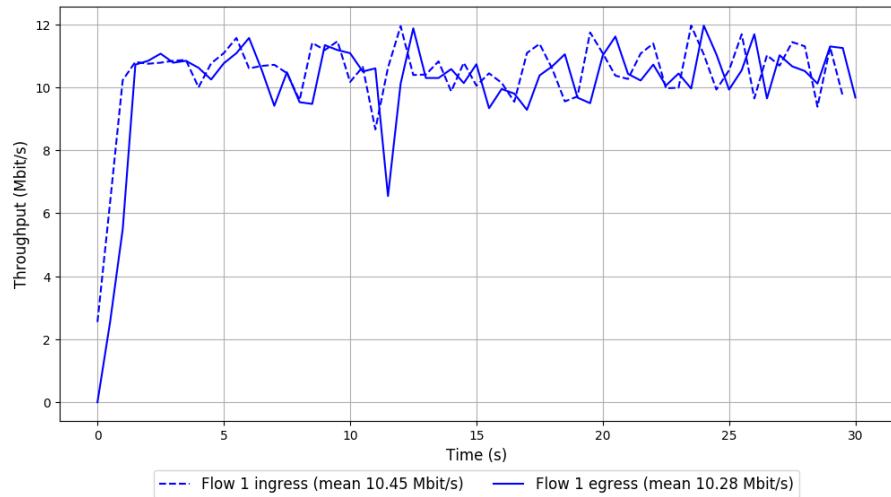


Run 2: Statistics of Sprout

```
Start at: 2019-02-11 12:46:46
End at: 2019-02-11 12:47:16
Local clock offset: -3.227 ms
Remote clock offset: -3.103 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.28 Mbit/s
95th percentile per-packet one-way delay: 12.457 ms
Loss rate: 1.64%
-- Flow 1:
Average throughput: 10.28 Mbit/s
95th percentile per-packet one-way delay: 12.457 ms
Loss rate: 1.64%
```

## Run 2: Report of Sprout — Data Link

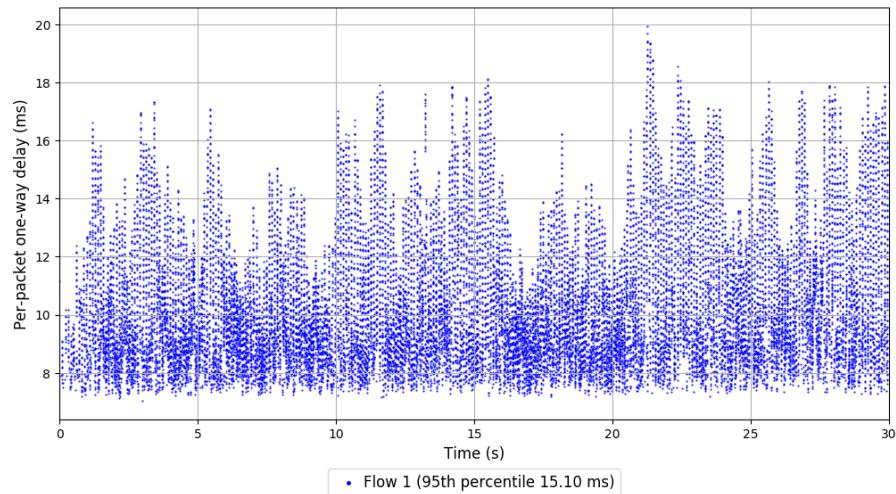
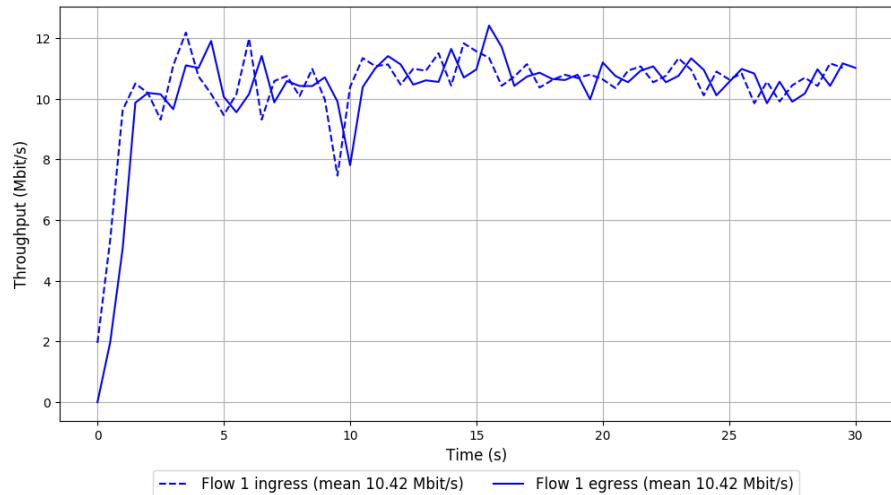


Run 3: Statistics of Sprout

```
Start at: 2019-02-11 13:12:17
End at: 2019-02-11 13:12:47
Local clock offset: -4.764 ms
Remote clock offset: -1.612 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.42 Mbit/s
95th percentile per-packet one-way delay: 15.098 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.42 Mbit/s
95th percentile per-packet one-way delay: 15.098 ms
Loss rate: 0.00%
```

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

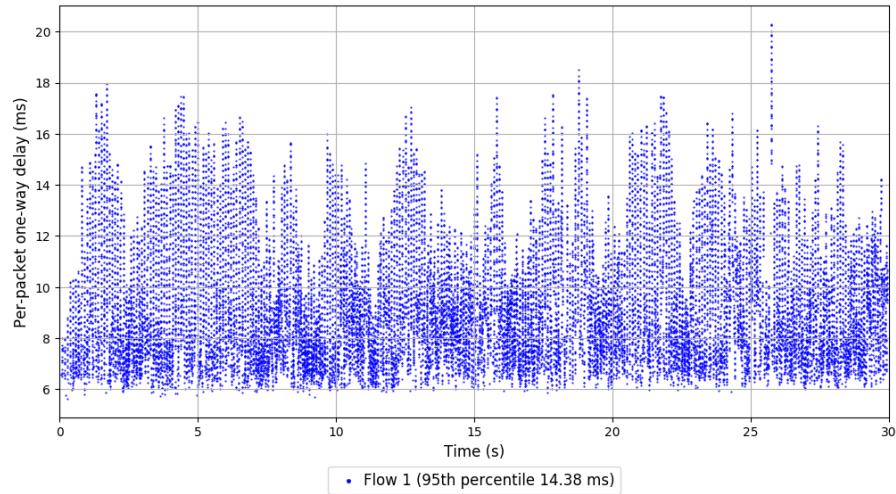
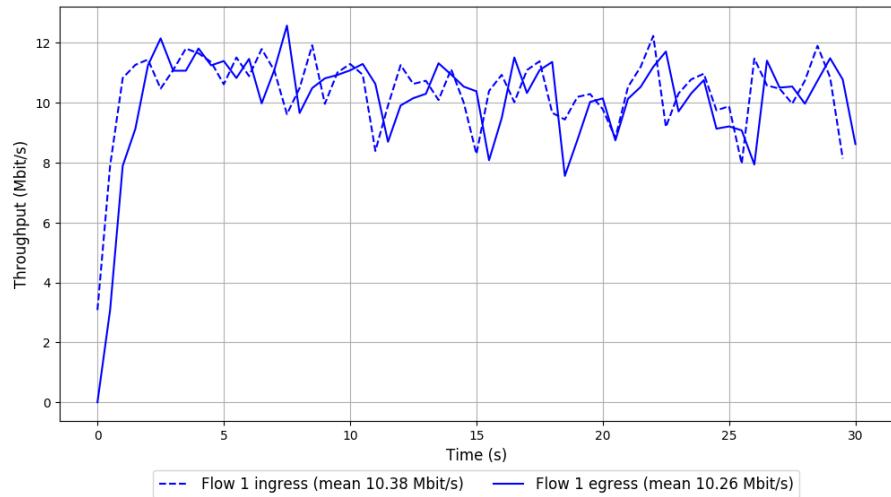


Run 4: Statistics of Sprout

```
Start at: 2019-02-11 13:37:44
End at: 2019-02-11 13:38:14
Local clock offset: -1.343 ms
Remote clock offset: -0.985 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.26 Mbit/s
95th percentile per-packet one-way delay: 14.380 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 10.26 Mbit/s
95th percentile per-packet one-way delay: 14.380 ms
Loss rate: 1.18%
```

## Run 4: Report of Sprout — Data Link

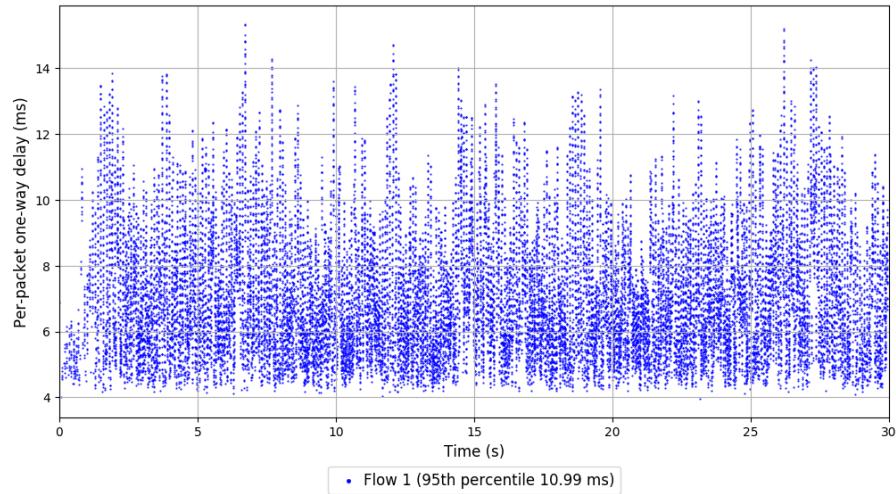
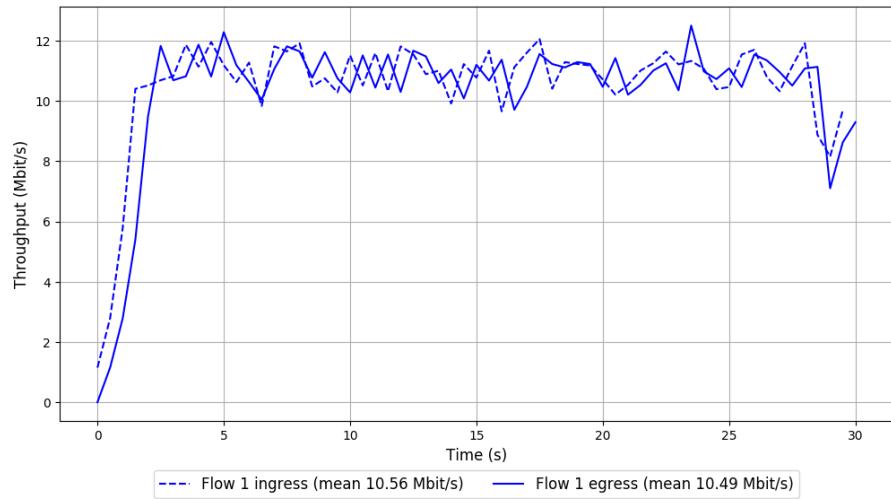


Run 5: Statistics of Sprout

```
Start at: 2019-02-11 14:03:24
End at: 2019-02-11 14:03:54
Local clock offset: 1.381 ms
Remote clock offset: -3.636 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.49 Mbit/s
95th percentile per-packet one-way delay: 10.986 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 10.49 Mbit/s
95th percentile per-packet one-way delay: 10.986 ms
Loss rate: 0.66%
```

Run 5: Report of Sprout — Data Link

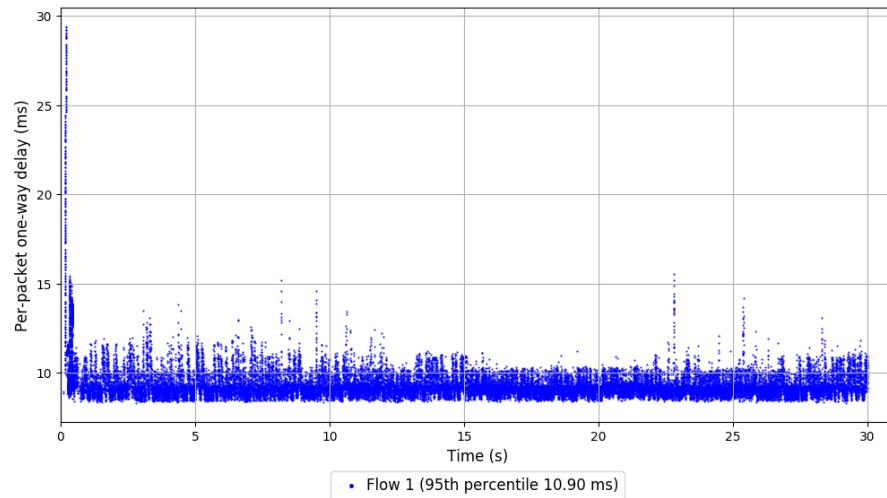
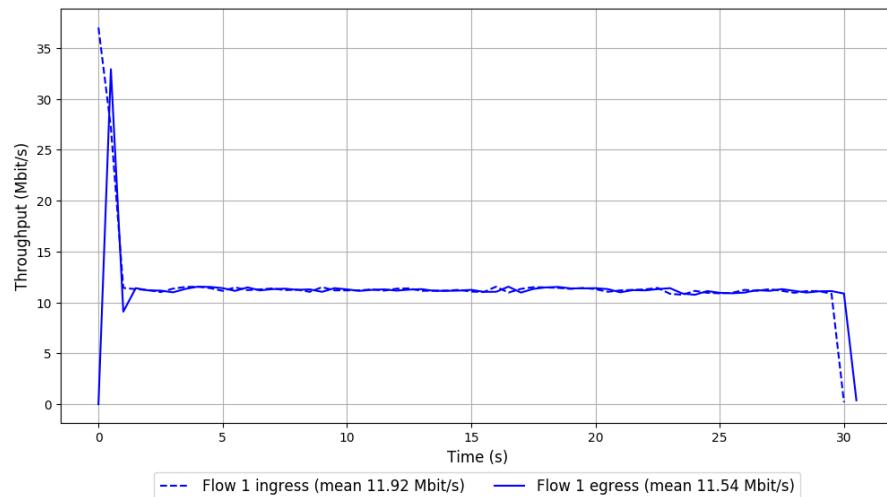


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-02-11 12:15:58
End at: 2019-02-11 12:16:28
Local clock offset: -0.067 ms
Remote clock offset: 0.461 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 10.900 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 11.54 Mbit/s
95th percentile per-packet one-way delay: 10.900 ms
Loss rate: 3.14%
```

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

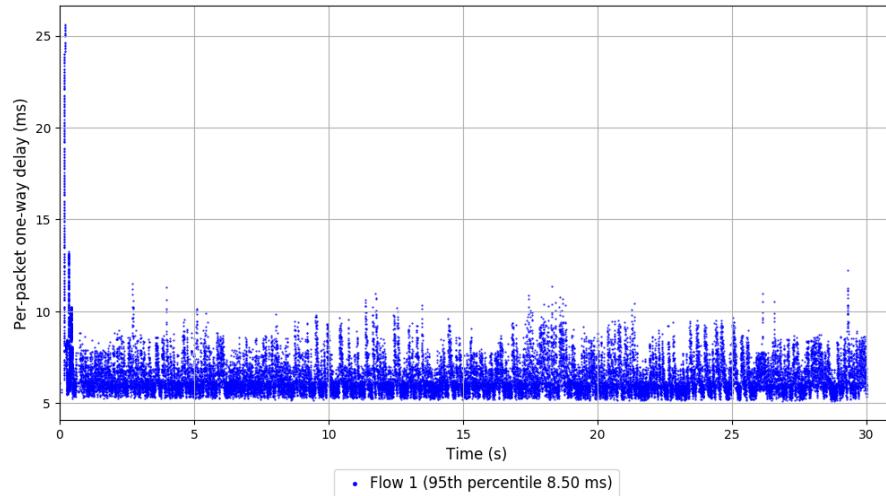
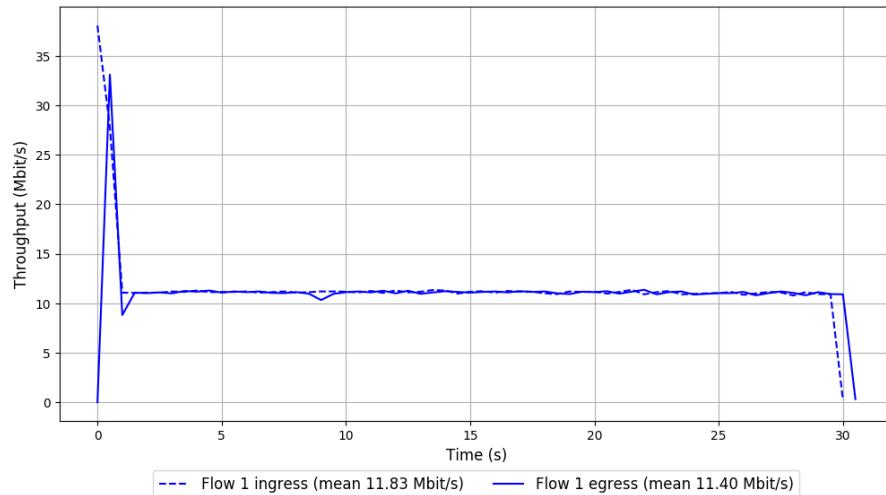


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-02-11 12:41:55
End at: 2019-02-11 12:42:25
Local clock offset: -1.908 ms
Remote clock offset: -2.922 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 8.501 ms
Loss rate: 3.62%
-- Flow 1:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 8.501 ms
Loss rate: 3.62%
```

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

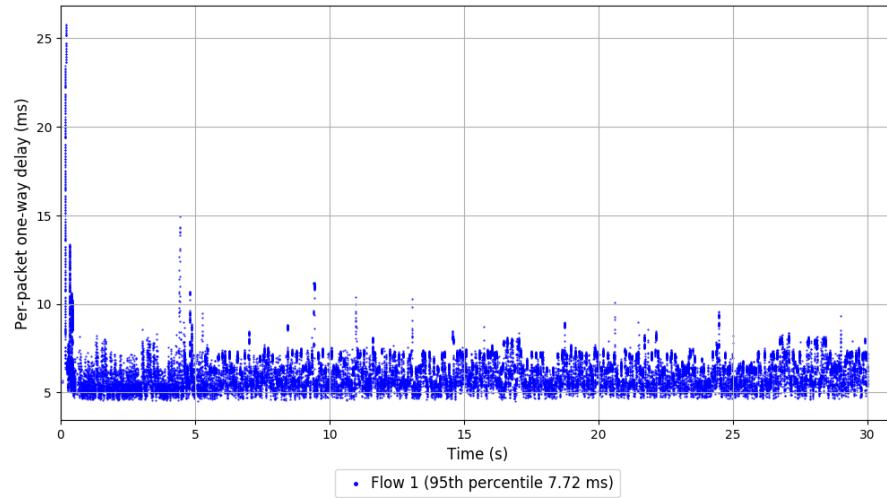
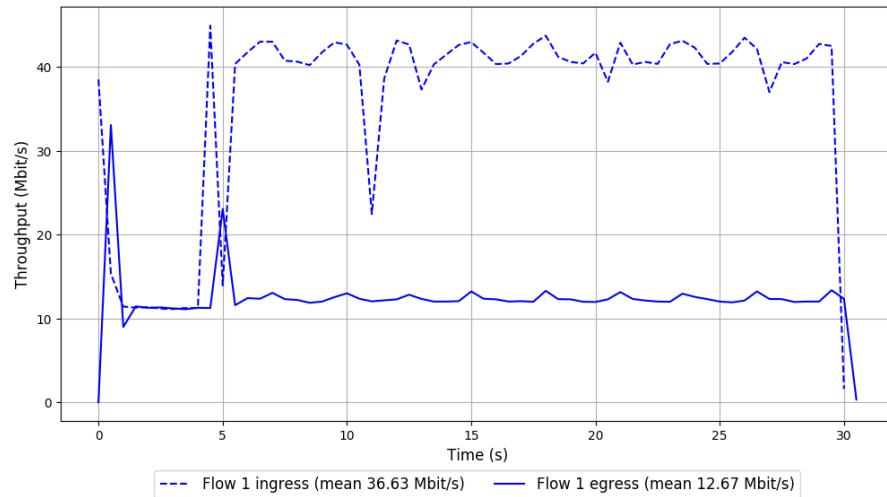


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-02-11 13:07:14
End at: 2019-02-11 13:07:44
Local clock offset: -4.395 ms
Remote clock offset: -3.331 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.67 Mbit/s
95th percentile per-packet one-way delay: 7.724 ms
Loss rate: 65.42%
-- Flow 1:
Average throughput: 12.67 Mbit/s
95th percentile per-packet one-way delay: 7.724 ms
Loss rate: 65.42%
```

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

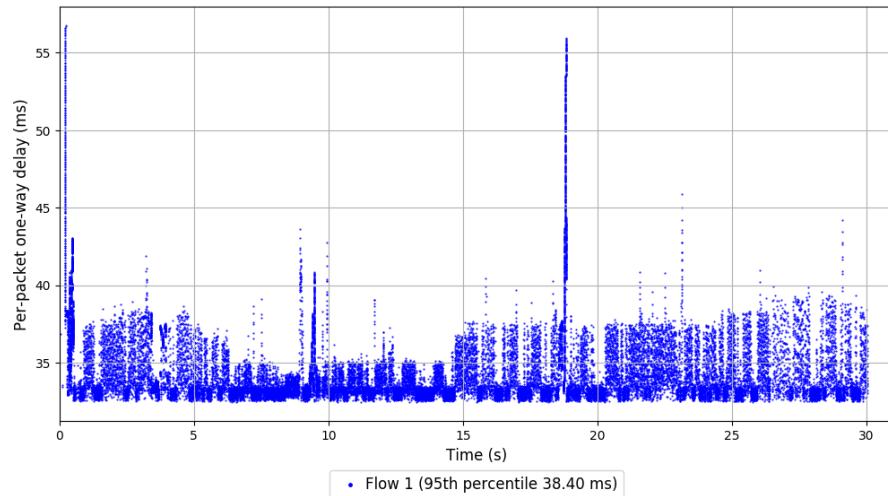
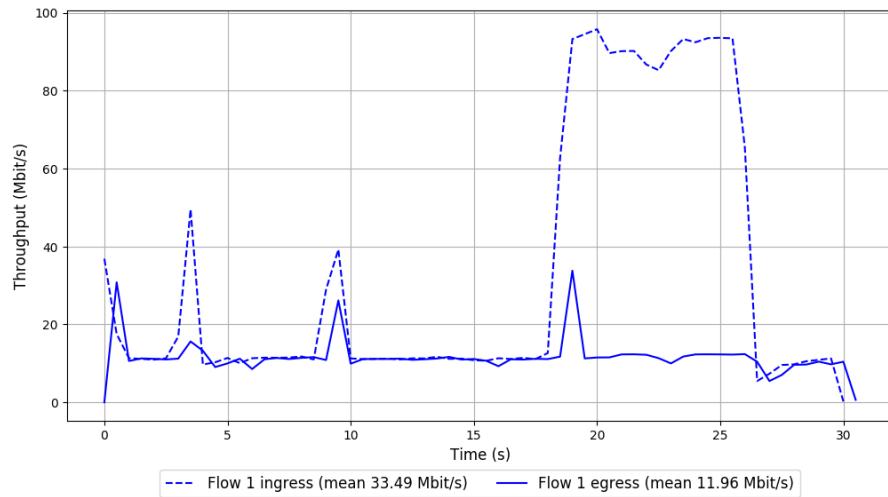


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-02-11 13:32:46
End at: 2019-02-11 13:33:16
Local clock offset: -6.131 ms
Remote clock offset: 22.199 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 38.400 ms
Loss rate: 64.30%
-- Flow 1:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 38.400 ms
Loss rate: 64.30%
```

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

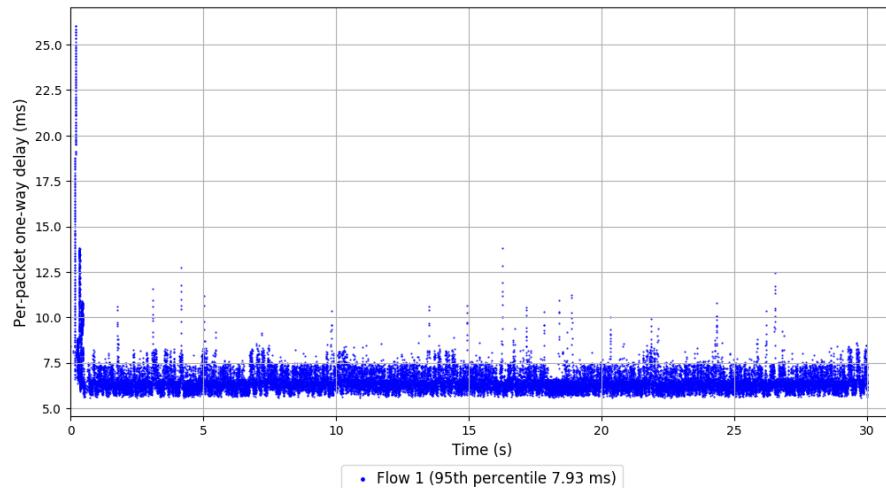
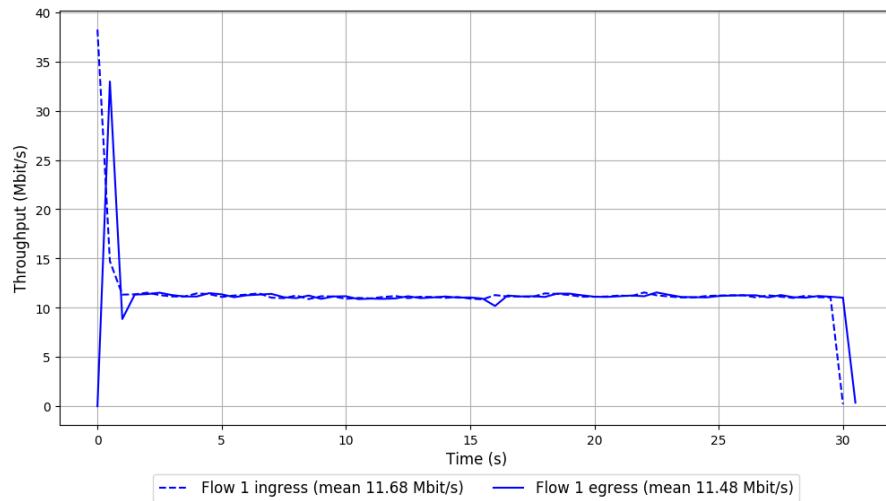


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-02-11 13:58:47
End at: 2019-02-11 13:59:17
Local clock offset: 1.04 ms
Remote clock offset: -2.131 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.48 Mbit/s
95th percentile per-packet one-way delay: 7.928 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 11.48 Mbit/s
95th percentile per-packet one-way delay: 7.928 ms
Loss rate: 1.72%
```

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

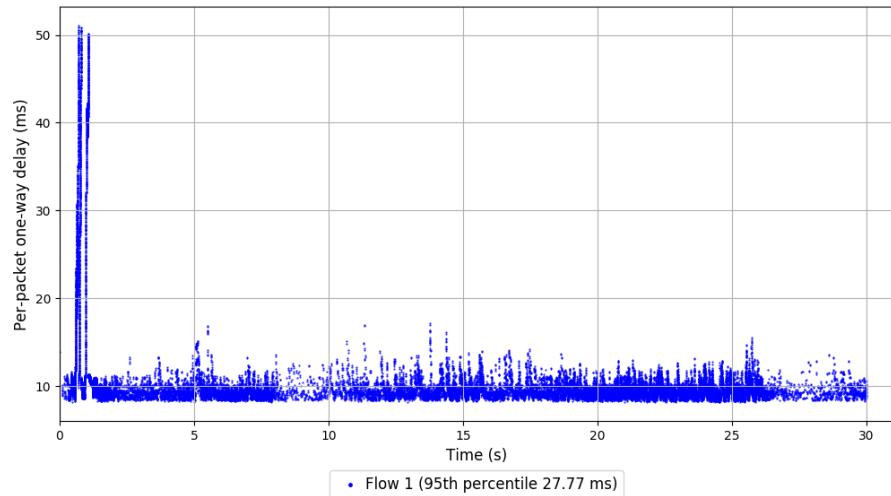
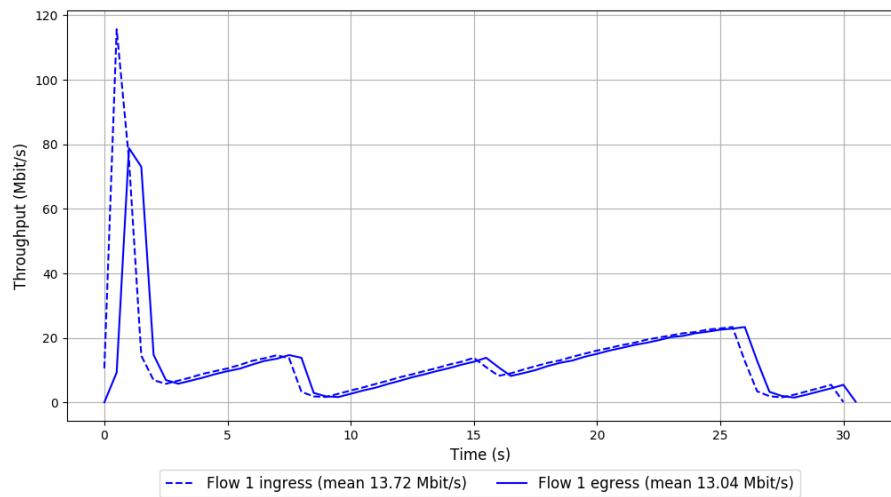


Run 1: Statistics of TCP Vegas

```
Start at: 2019-02-11 11:59:54
End at: 2019-02-11 12:00:24
Local clock offset: -4.517 ms
Remote clock offset: 0.39 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.04 Mbit/s
95th percentile per-packet one-way delay: 27.765 ms
Loss rate: 4.97%
-- Flow 1:
Average throughput: 13.04 Mbit/s
95th percentile per-packet one-way delay: 27.765 ms
Loss rate: 4.97%
```

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

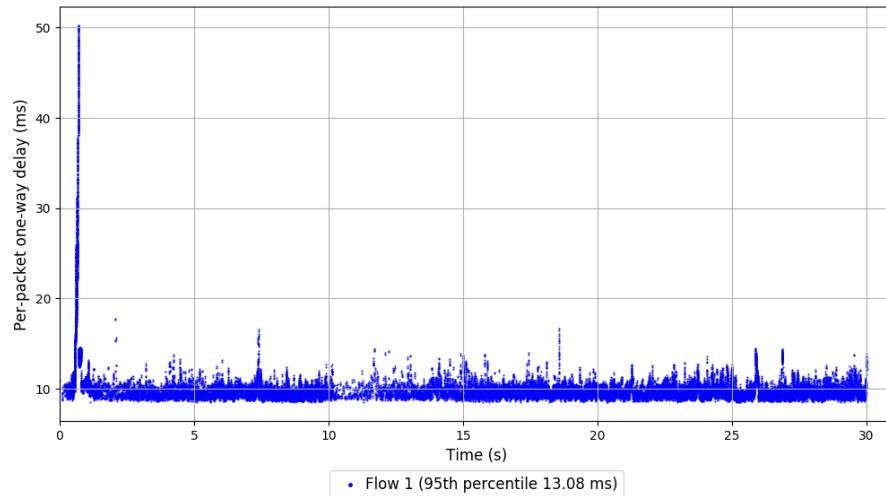
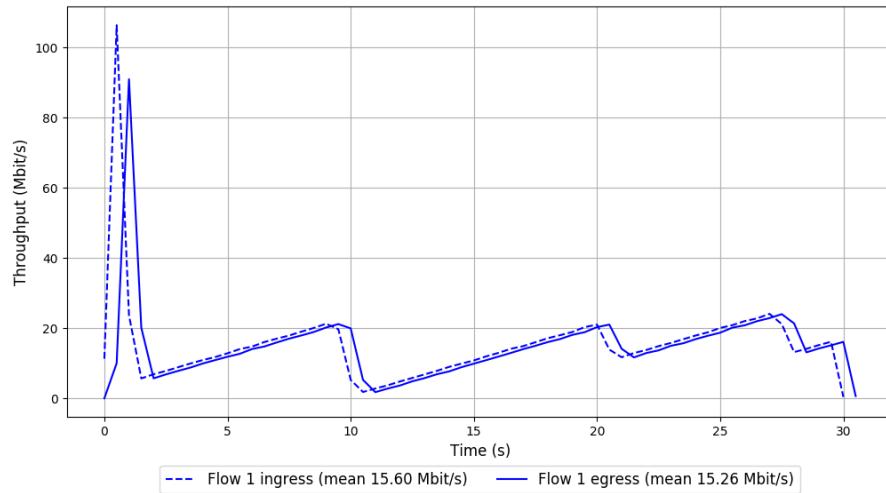


Run 2: Statistics of TCP Vegas

```
Start at: 2019-02-11 12:26:02
End at: 2019-02-11 12:26:32
Local clock offset: 0.601 ms
Remote clock offset: 0.827 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.26 Mbit/s
95th percentile per-packet one-way delay: 13.083 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 15.26 Mbit/s
95th percentile per-packet one-way delay: 13.083 ms
Loss rate: 2.18%
```

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

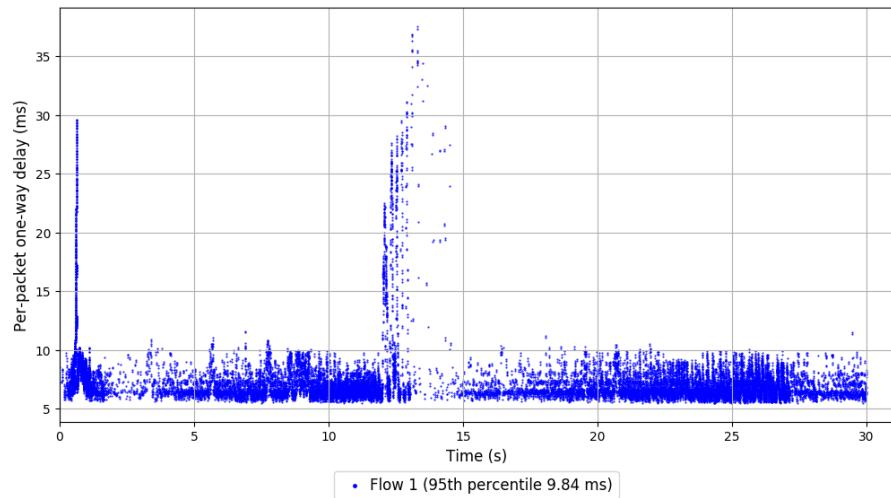
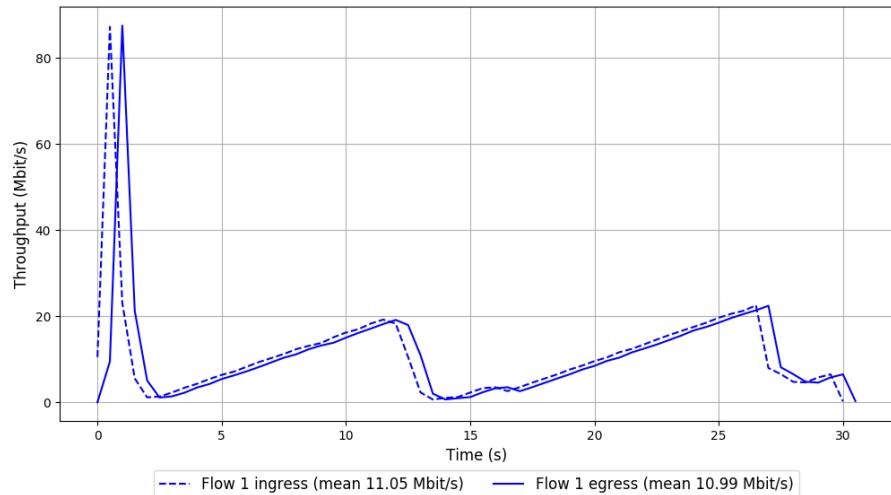


Run 3: Statistics of TCP Vegas

```
Start at: 2019-02-11 12:51:57
End at: 2019-02-11 12:52:27
Local clock offset: -4.328 ms
Remote clock offset: -2.928 ms

# Below is generated by plot.py at 2019-02-11 14:16:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.99 Mbit/s
95th percentile per-packet one-way delay: 9.844 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 10.99 Mbit/s
95th percentile per-packet one-way delay: 9.844 ms
Loss rate: 0.56%
```

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

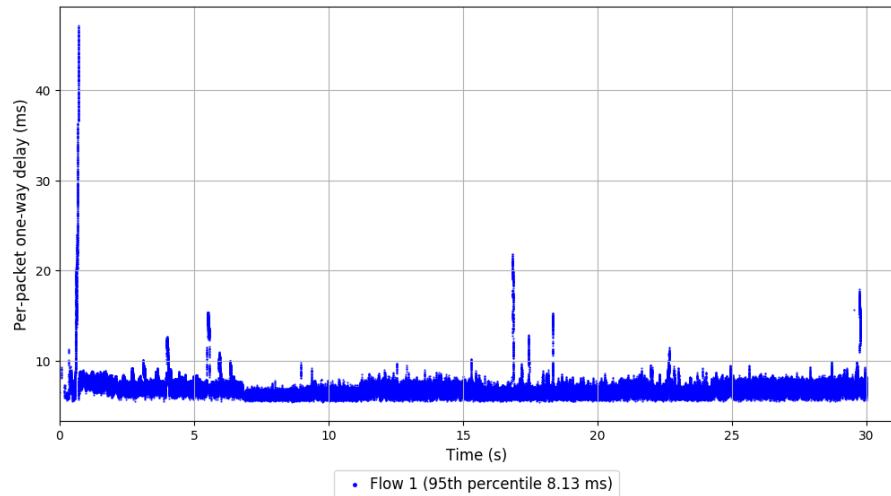
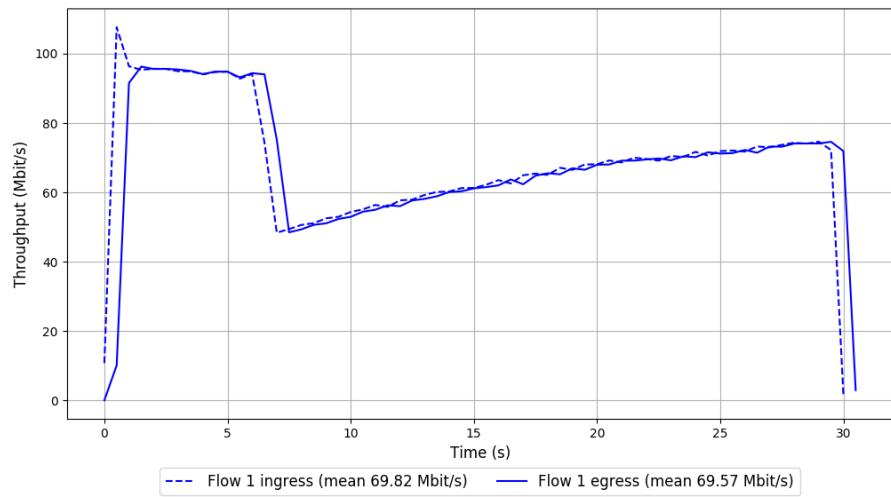


Run 4: Statistics of TCP Vegas

```
Start at: 2019-02-11 13:17:23
End at: 2019-02-11 13:17:53
Local clock offset: -3.474 ms
Remote clock offset: -2.464 ms

# Below is generated by plot.py at 2019-02-11 14:16:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.57 Mbit/s
95th percentile per-packet one-way delay: 8.127 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 69.57 Mbit/s
95th percentile per-packet one-way delay: 8.127 ms
Loss rate: 0.37%
```

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

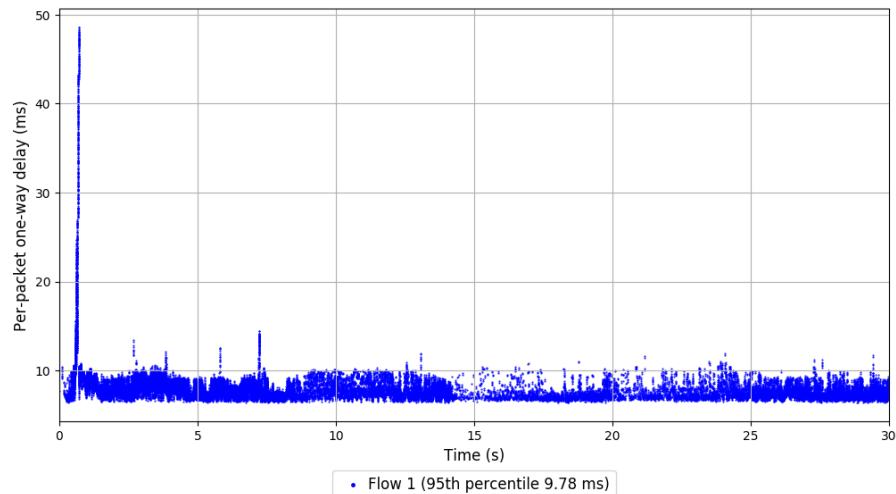
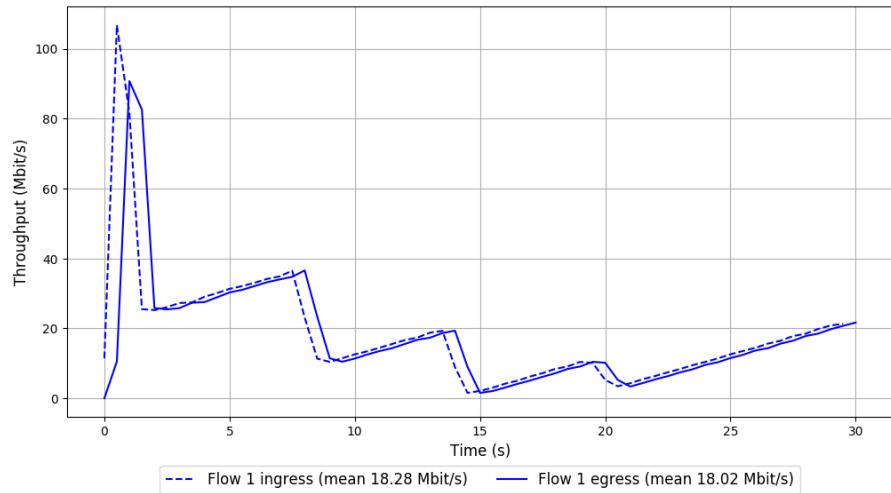


Run 5: Statistics of TCP Vegas

```
Start at: 2019-02-11 13:42:52
End at: 2019-02-11 13:43:22
Local clock offset: -0.917 ms
Remote clock offset: -1.321 ms

# Below is generated by plot.py at 2019-02-11 14:16:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.02 Mbit/s
95th percentile per-packet one-way delay: 9.780 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 18.02 Mbit/s
95th percentile per-packet one-way delay: 9.780 ms
Loss rate: 1.42%
```

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

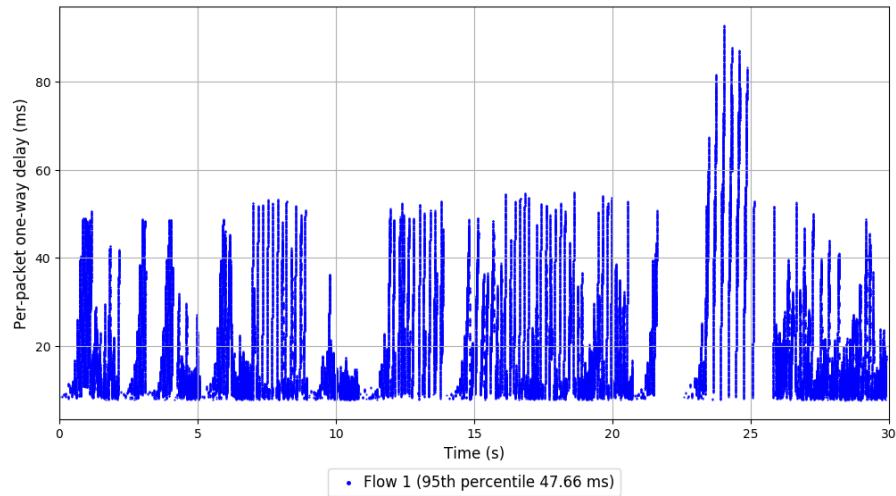
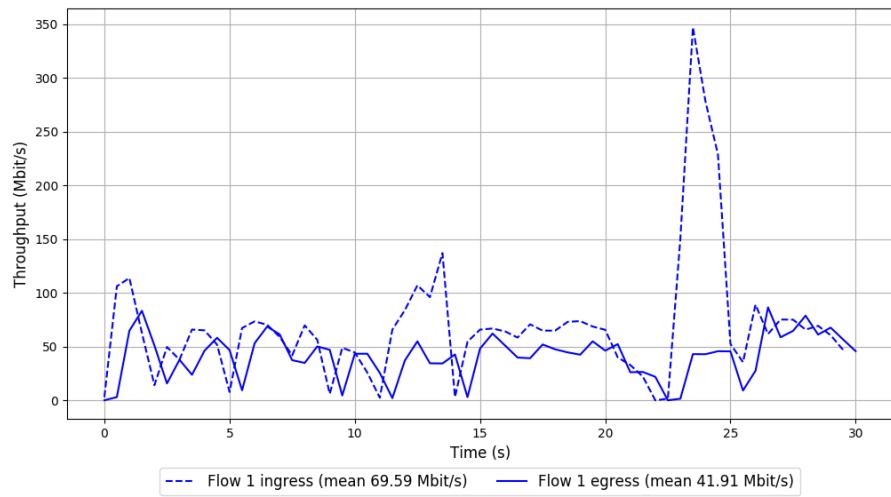


Run 1: Statistics of Verus

```
Start at: 2019-02-11 12:02:08
End at: 2019-02-11 12:02:38
Local clock offset: -4.888 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2019-02-11 14:16:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.91 Mbit/s
95th percentile per-packet one-way delay: 47.661 ms
Loss rate: 39.75%
-- Flow 1:
Average throughput: 41.91 Mbit/s
95th percentile per-packet one-way delay: 47.661 ms
Loss rate: 39.75%
```

Run 1: Report of Verus — Data Link

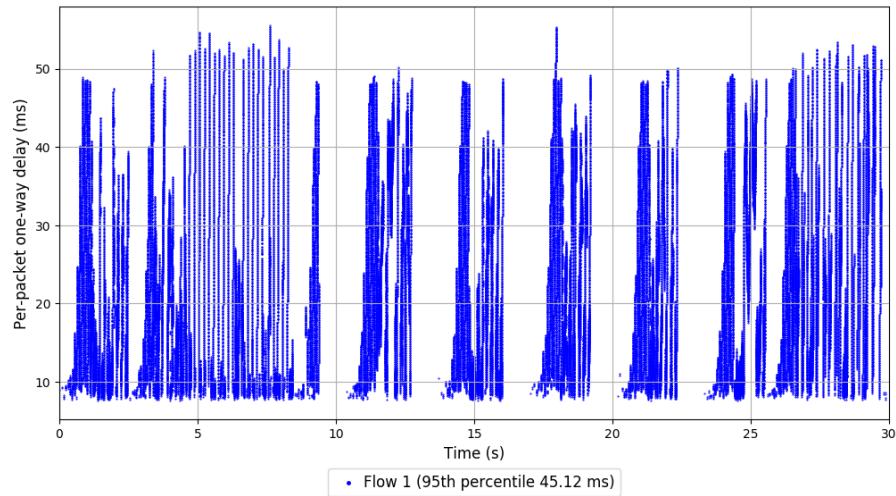
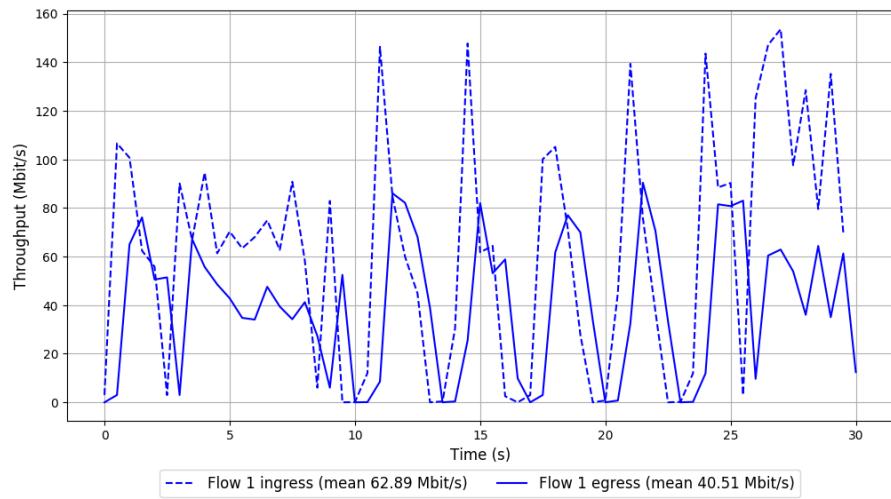


Run 2: Statistics of Verus

```
Start at: 2019-02-11 12:28:26
End at: 2019-02-11 12:28:56
Local clock offset: 0.413 ms
Remote clock offset: -0.644 ms

# Below is generated by plot.py at 2019-02-11 14:16:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 45.119 ms
Loss rate: 35.58%
-- Flow 1:
Average throughput: 40.51 Mbit/s
95th percentile per-packet one-way delay: 45.119 ms
Loss rate: 35.58%
```

## Run 2: Report of Verus — Data Link

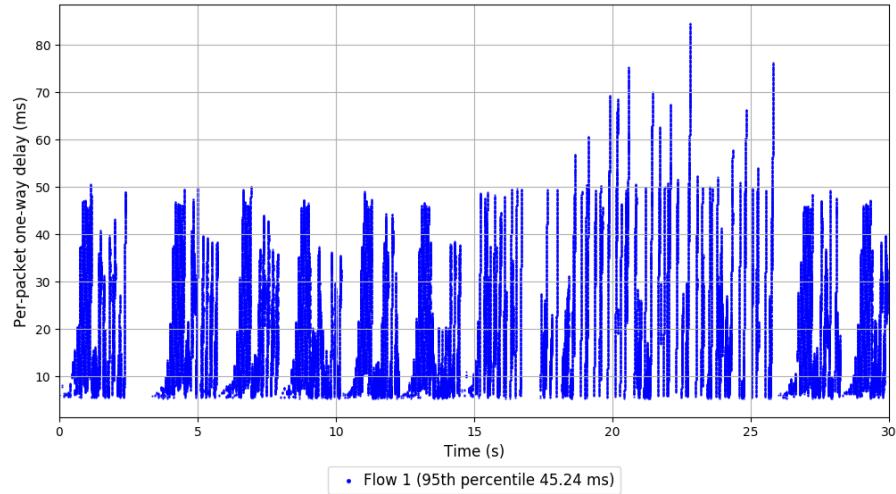
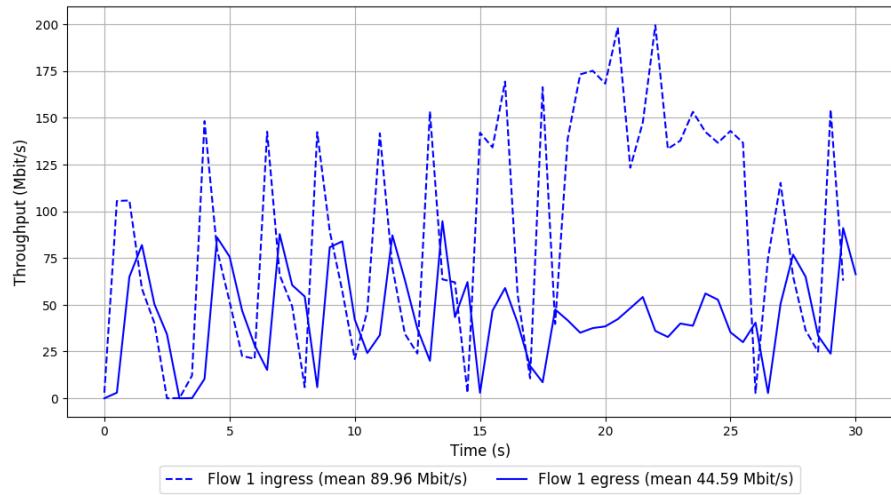


Run 3: Statistics of Verus

```
Start at: 2019-02-11 12:54:14
End at: 2019-02-11 12:54:44
Local clock offset: -4.768 ms
Remote clock offset: -3.481 ms

# Below is generated by plot.py at 2019-02-11 14:16:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.59 Mbit/s
95th percentile per-packet one-way delay: 45.237 ms
Loss rate: 50.39%
-- Flow 1:
Average throughput: 44.59 Mbit/s
95th percentile per-packet one-way delay: 45.237 ms
Loss rate: 50.39%
```

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

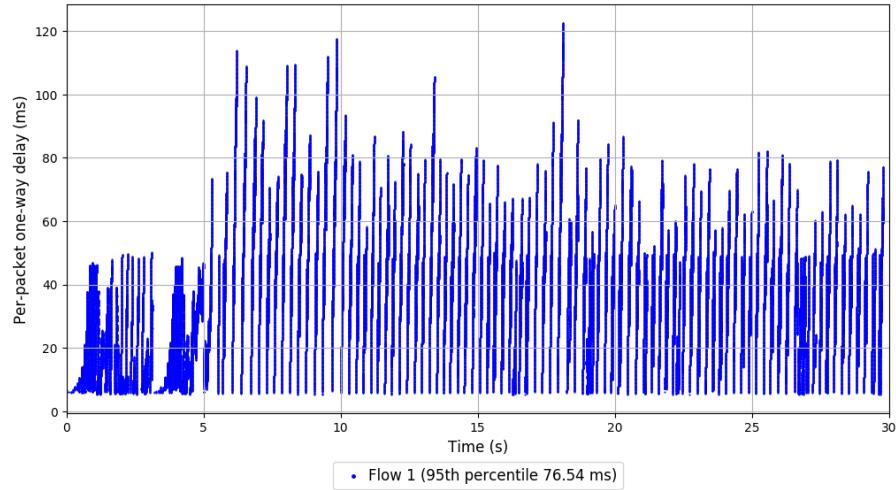
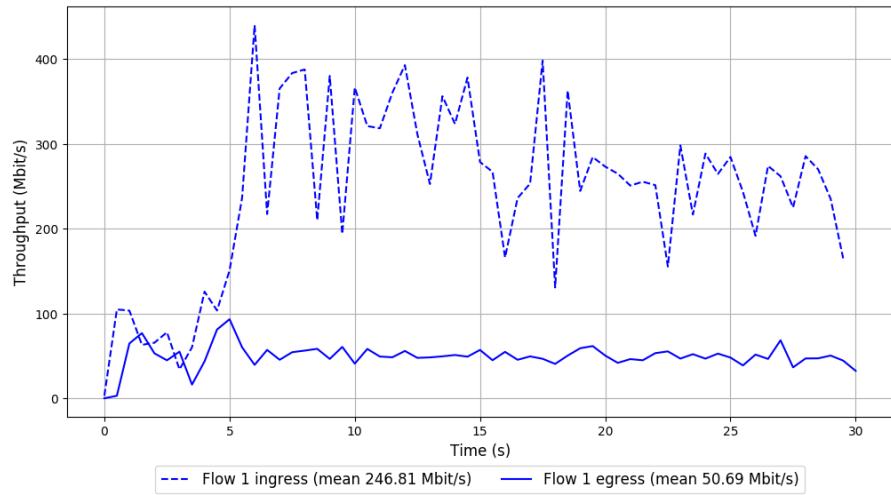


Run 4: Statistics of Verus

```
Start at: 2019-02-11 13:19:51
End at: 2019-02-11 13:20:21
Local clock offset: -3.458 ms
Remote clock offset: -2.644 ms

# Below is generated by plot.py at 2019-02-11 14:17:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.69 Mbit/s
95th percentile per-packet one-way delay: 76.540 ms
Loss rate: 79.42%
-- Flow 1:
Average throughput: 50.69 Mbit/s
95th percentile per-packet one-way delay: 76.540 ms
Loss rate: 79.42%
```

## Run 4: Report of Verus — Data Link

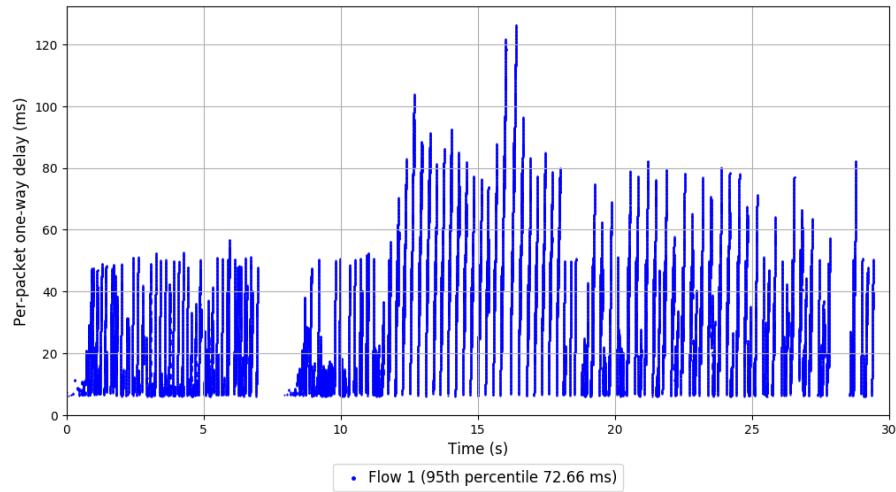
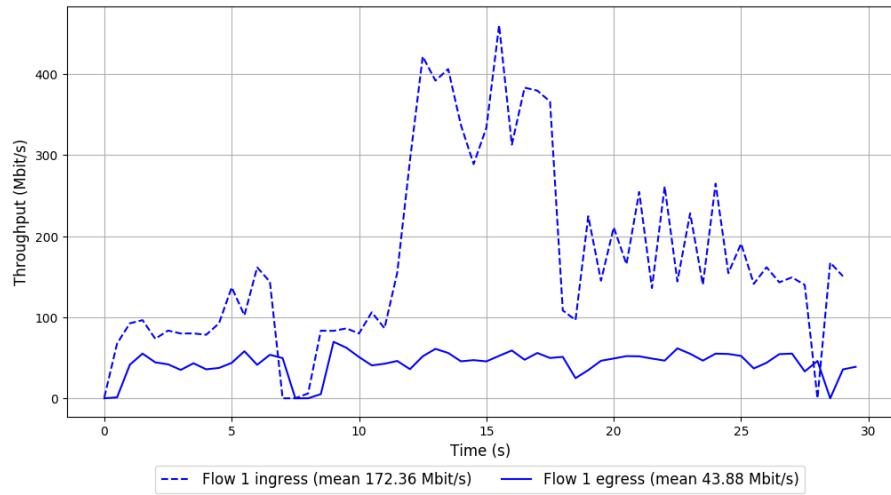


Run 5: Statistics of Verus

```
Start at: 2019-02-11 13:45:09
End at: 2019-02-11 13:45:39
Local clock offset: -0.471 ms
Remote clock offset: -1.556 ms

# Below is generated by plot.py at 2019-02-11 14:17:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.88 Mbit/s
95th percentile per-packet one-way delay: 72.656 ms
Loss rate: 74.52%
-- Flow 1:
Average throughput: 43.88 Mbit/s
95th percentile per-packet one-way delay: 72.656 ms
Loss rate: 74.52%
```

## Run 5: Report of Verus — Data Link

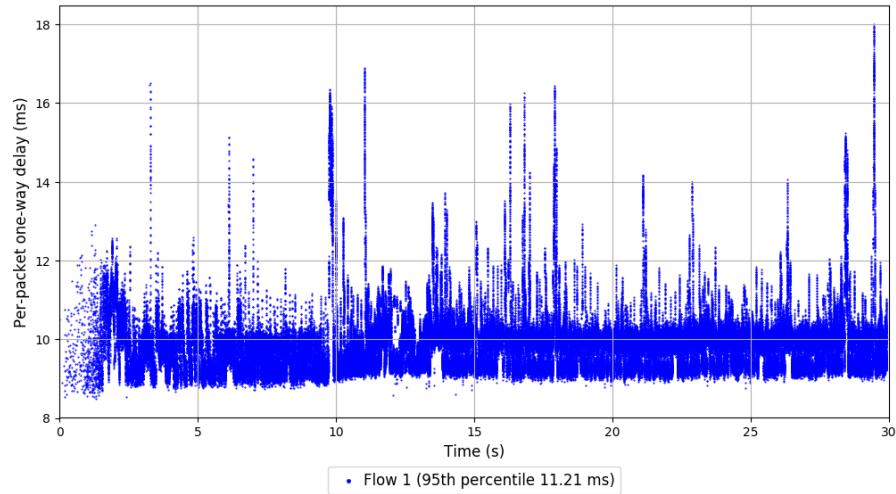
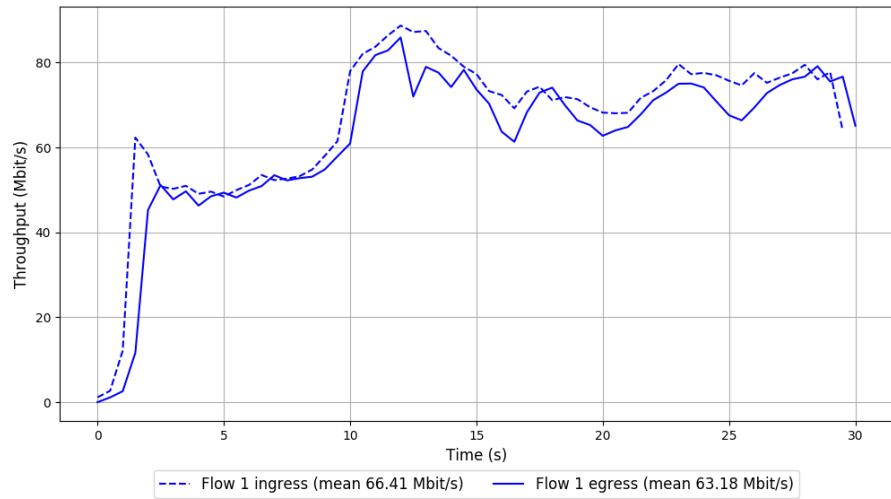


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-02-11 12:24:48
End at: 2019-02-11 12:25:18
Local clock offset: 0.51 ms
Remote clock offset: 0.607 ms

# Below is generated by plot.py at 2019-02-11 14:17:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.18 Mbit/s
95th percentile per-packet one-way delay: 11.205 ms
Loss rate: 4.86%
-- Flow 1:
Average throughput: 63.18 Mbit/s
95th percentile per-packet one-way delay: 11.205 ms
Loss rate: 4.86%
```

Run 1: Report of PCC-Vivace — Data Link

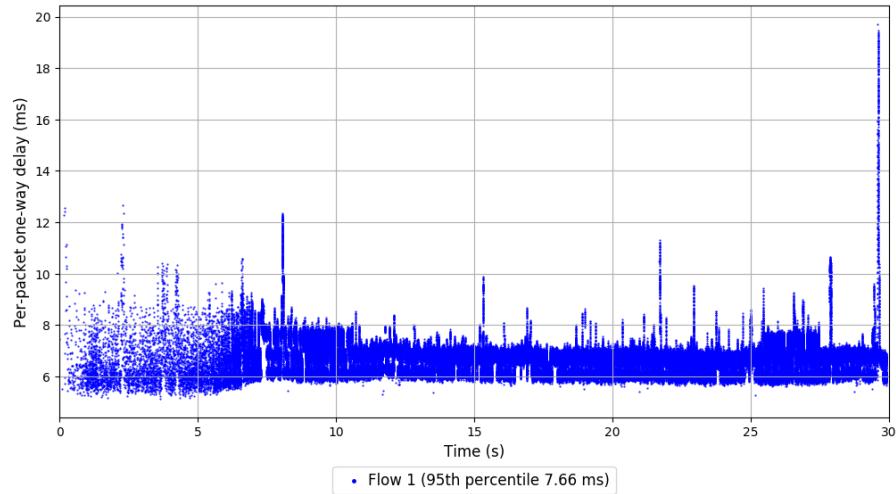
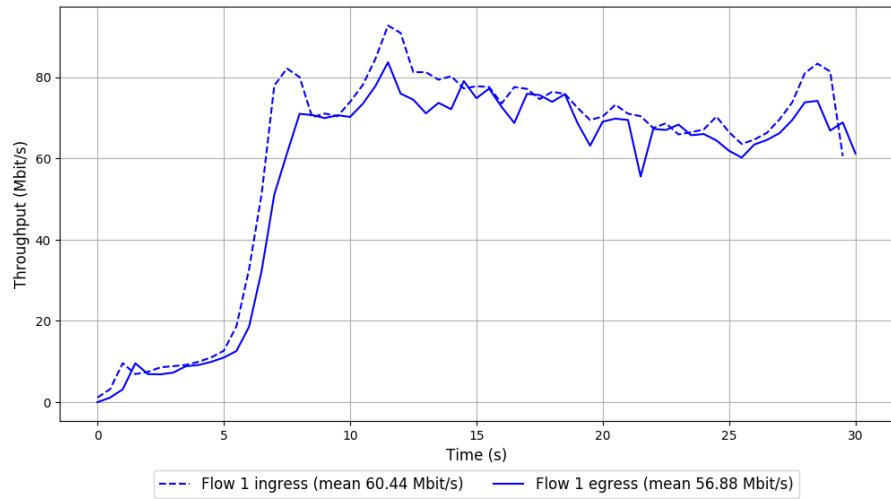


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-02-11 12:50:35
End at: 2019-02-11 12:51:05
Local clock offset: -4.35 ms
Remote clock offset: -3.563 ms

# Below is generated by plot.py at 2019-02-11 14:17:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.88 Mbit/s
95th percentile per-packet one-way delay: 7.661 ms
Loss rate: 5.89%
-- Flow 1:
Average throughput: 56.88 Mbit/s
95th percentile per-packet one-way delay: 7.661 ms
Loss rate: 5.89%
```

Run 2: Report of PCC-Vivace — Data Link

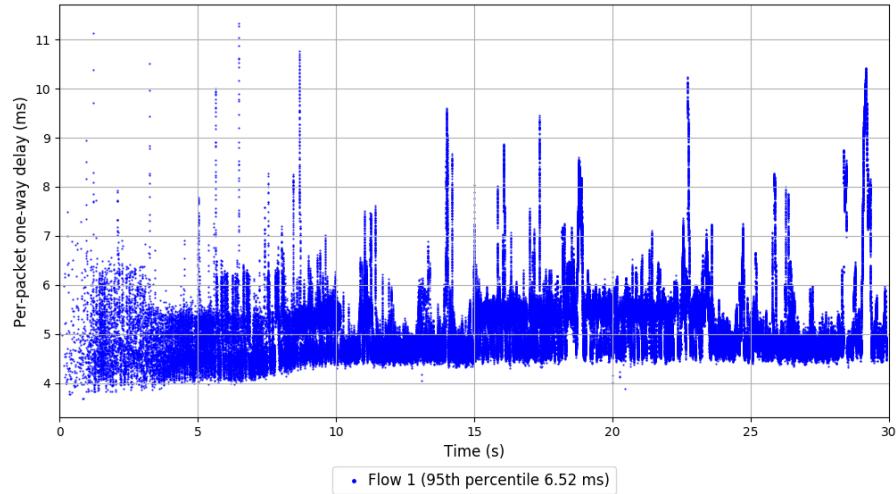
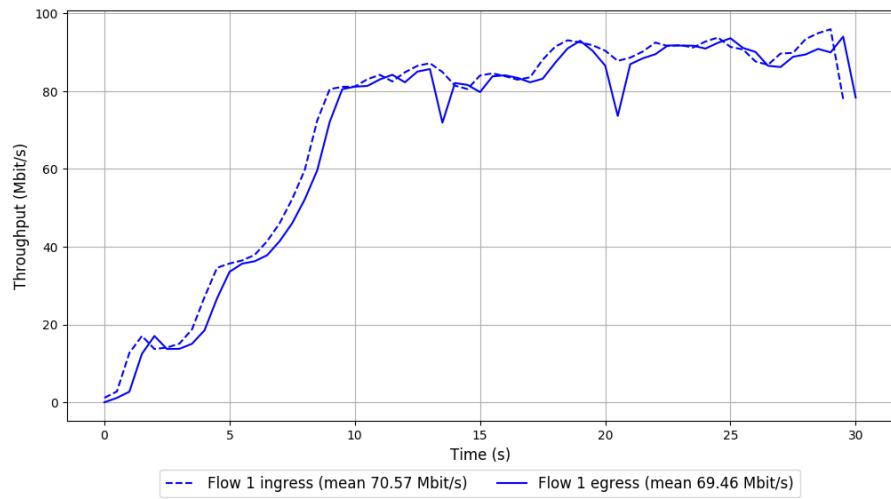


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-02-11 13:15:55
End at: 2019-02-11 13:16:25
Local clock offset: -2.805 ms
Remote clock offset: -3.33 ms

# Below is generated by plot.py at 2019-02-11 14:17:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.46 Mbit/s
95th percentile per-packet one-way delay: 6.524 ms
Loss rate: 1.57%
-- Flow 1:
Average throughput: 69.46 Mbit/s
95th percentile per-packet one-way delay: 6.524 ms
Loss rate: 1.57%
```

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

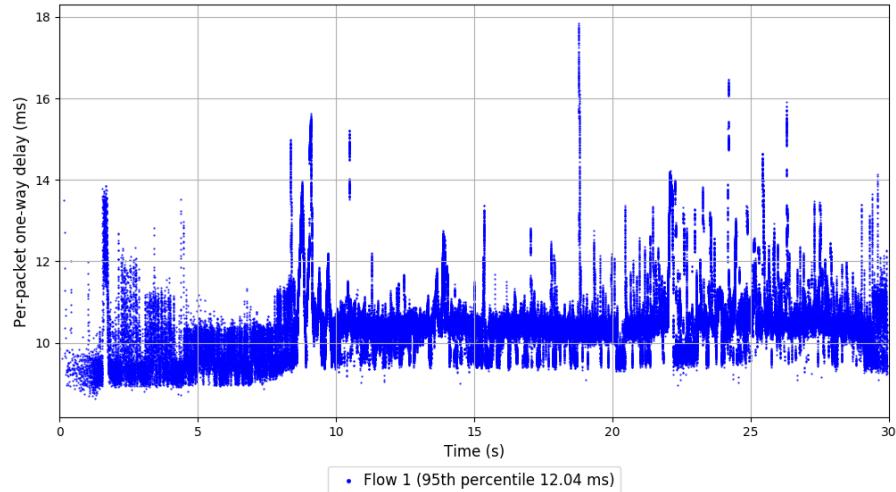
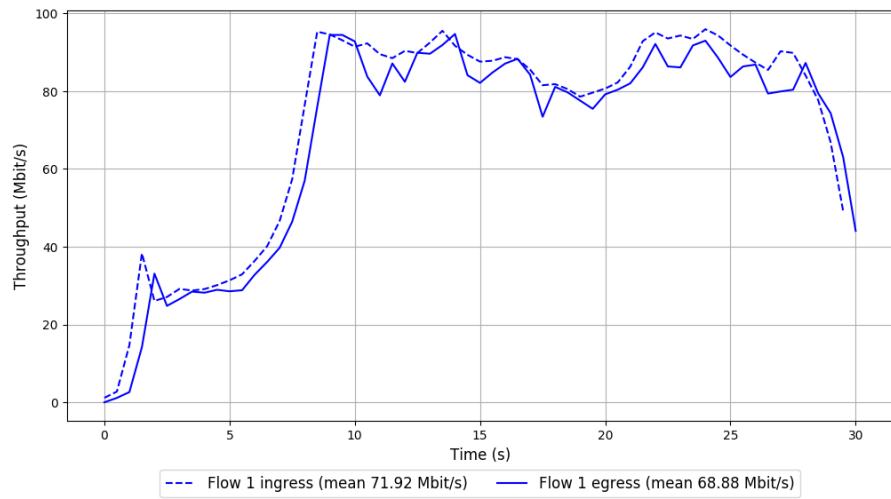


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-02-11 13:41:32
End at: 2019-02-11 13:42:02
Local clock offset: -3.088 ms
Remote clock offset: -1.135 ms

# Below is generated by plot.py at 2019-02-11 14:17:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.88 Mbit/s
95th percentile per-packet one-way delay: 12.044 ms
Loss rate: 4.21%
-- Flow 1:
Average throughput: 68.88 Mbit/s
95th percentile per-packet one-way delay: 12.044 ms
Loss rate: 4.21%
```

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

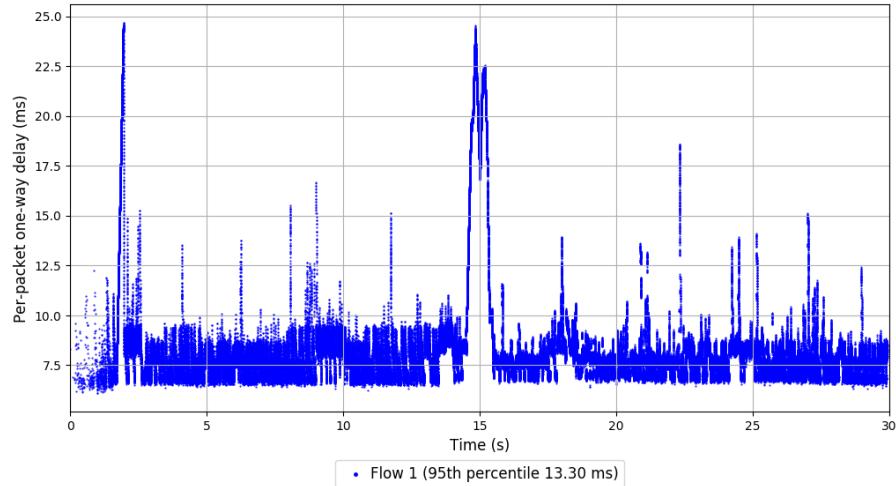
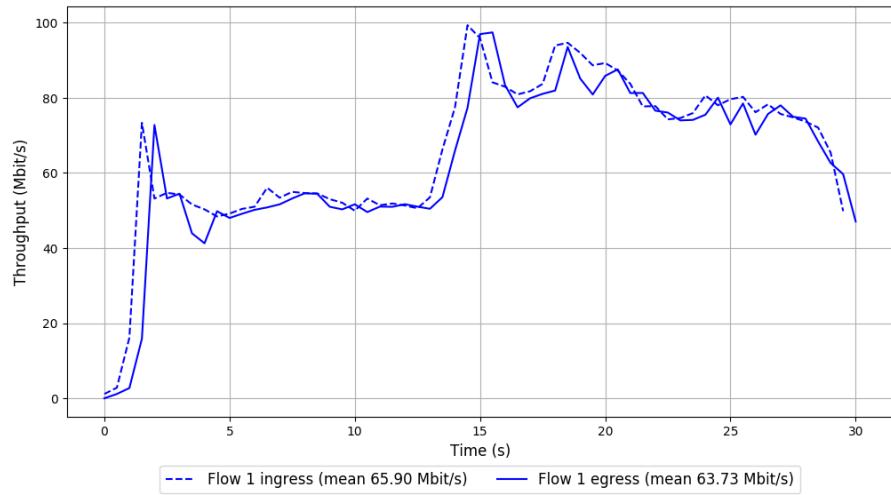


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-02-11 14:07:19
End at: 2019-02-11 14:07:49
Local clock offset: -0.926 ms
Remote clock offset: -2.837 ms

# Below is generated by plot.py at 2019-02-11 14:17:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.73 Mbit/s
95th percentile per-packet one-way delay: 13.303 ms
Loss rate: 3.29%
-- Flow 1:
Average throughput: 63.73 Mbit/s
95th percentile per-packet one-way delay: 13.303 ms
Loss rate: 3.29%
```

Run 5: Report of PCC-Vivace — Data Link

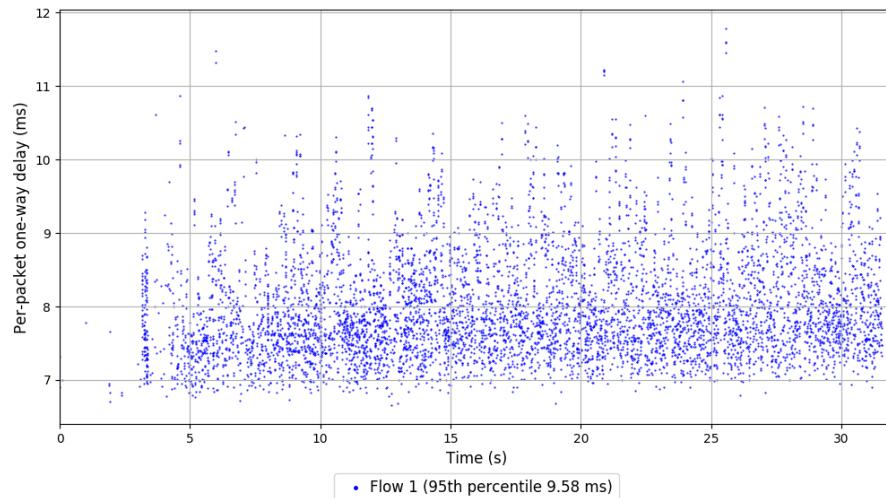
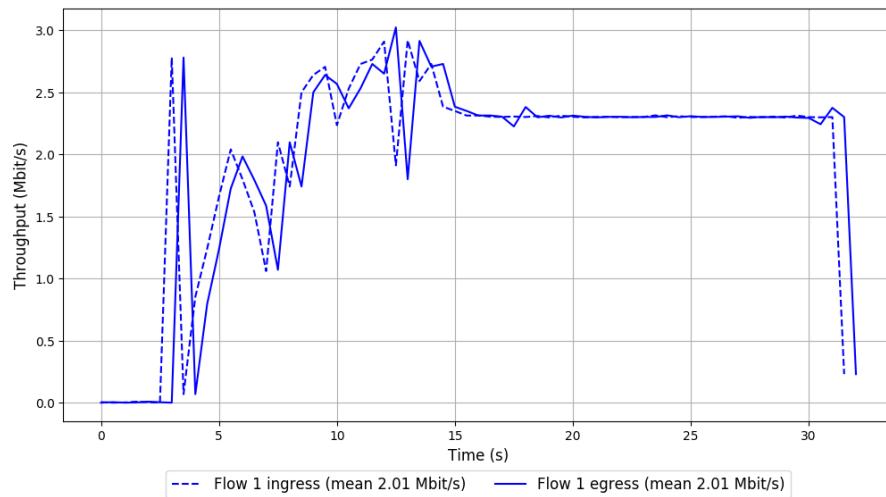


```
Run 1: Statistics of WebRTC media

Start at: 2019-02-11 12:07:07
End at: 2019-02-11 12:07:37
Local clock offset: -2.931 ms
Remote clock offset: -0.648 ms

# Below is generated by plot.py at 2019-02-11 14:17:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 9.578 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.01 Mbit/s
95th percentile per-packet one-way delay: 9.578 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

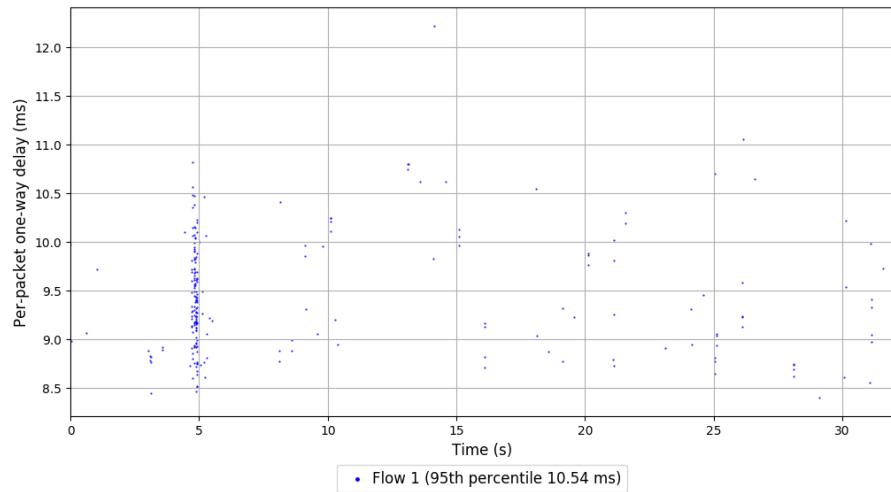
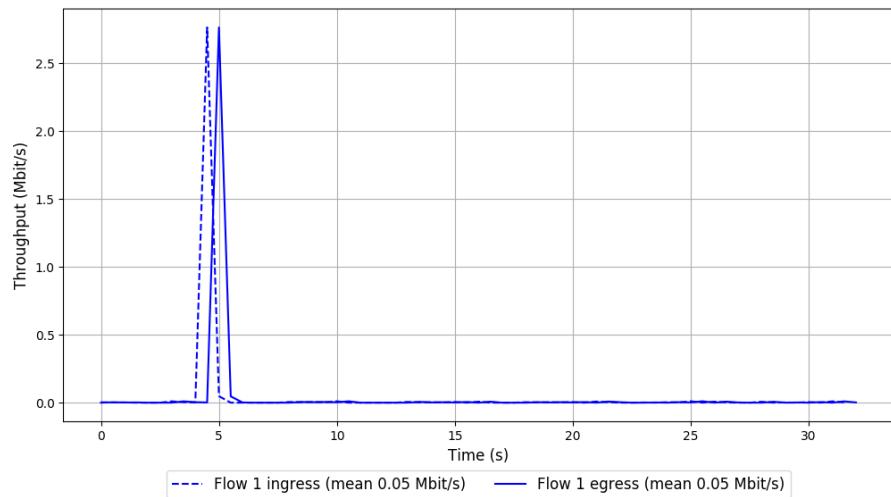


Run 2: Statistics of WebRTC media

```
Start at: 2019-02-11 12:33:18
End at: 2019-02-11 12:33:48
Local clock offset: 0.887 ms
Remote clock offset: 0.582 ms

# Below is generated by plot.py at 2019-02-11 14:17:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 10.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 10.545 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

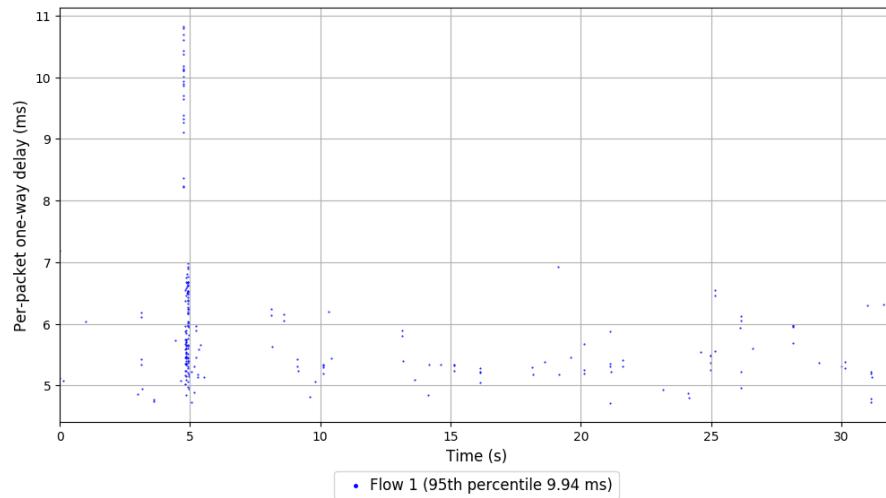
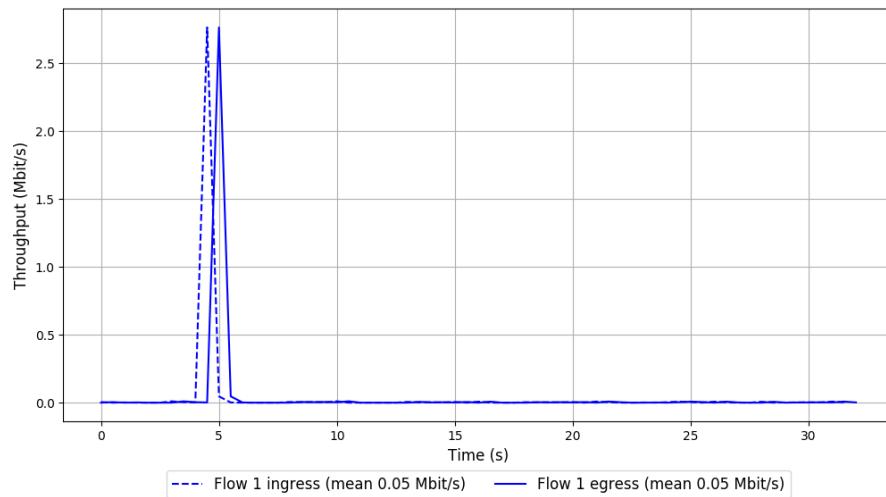


Run 3: Statistics of WebRTC media

```
Start at: 2019-02-11 12:58:57
End at: 2019-02-11 12:59:27
Local clock offset: -4.96 ms
Remote clock offset: -3.583 ms

# Below is generated by plot.py at 2019-02-11 14:17:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 9.939 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 9.939 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

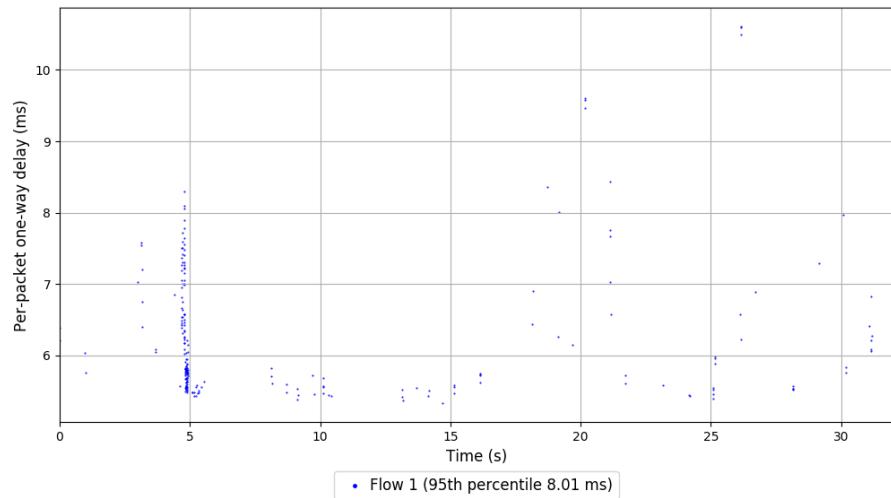
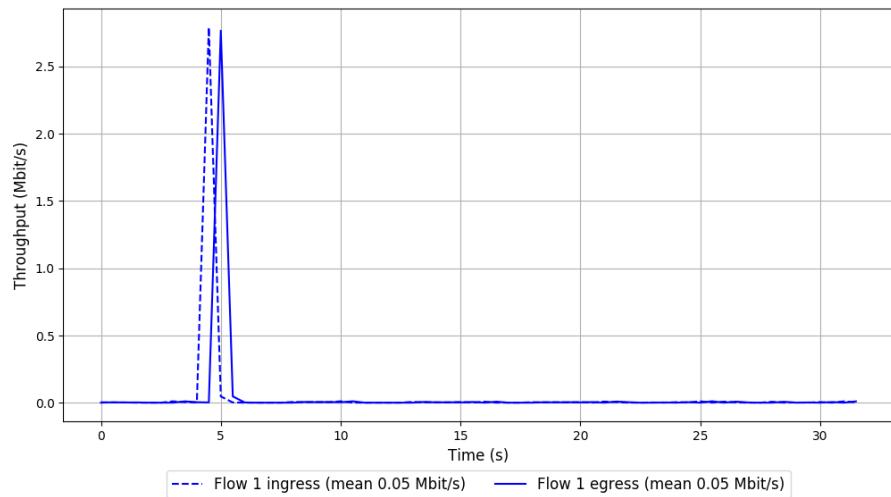


Run 4: Statistics of WebRTC media

```
Start at: 2019-02-11 13:24:46
End at: 2019-02-11 13:25:16
Local clock offset: -3.879 ms
Remote clock offset: -2.712 ms

# Below is generated by plot.py at 2019-02-11 14:17:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 8.010 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 8.010 ms
Loss rate: 0.92%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-02-11 13:49:58
End at: 2019-02-11 13:50:28
Local clock offset: -8.294 ms
Remote clock offset: -6.937 ms

# Below is generated by plot.py at 2019-02-11 14:17:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 14.800 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 14.800 ms
Loss rate: 0.86%
```

Run 5: Report of WebRTC media — Data Link

