

## Pantheon Report

Generated at 2019-01-17 09:17:53 (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:

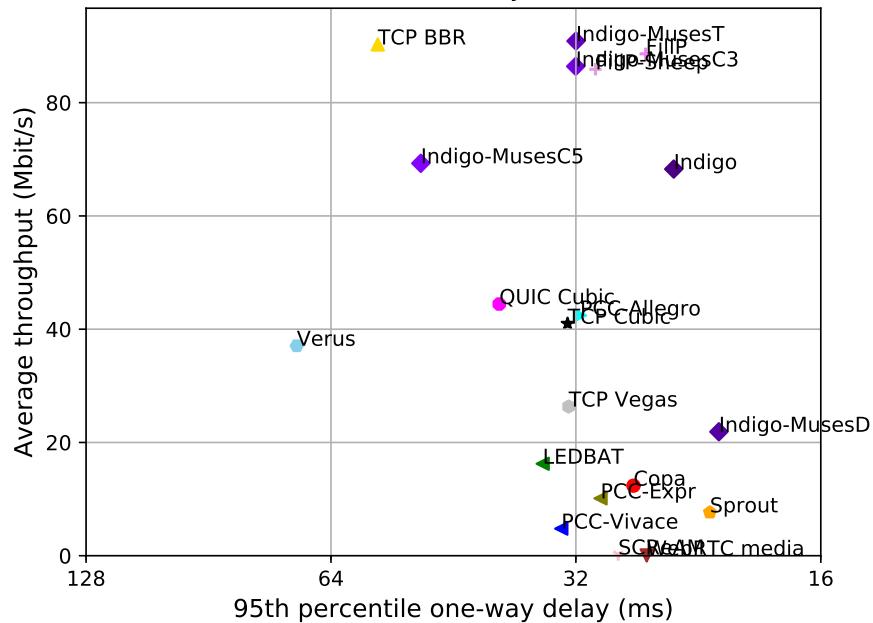
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

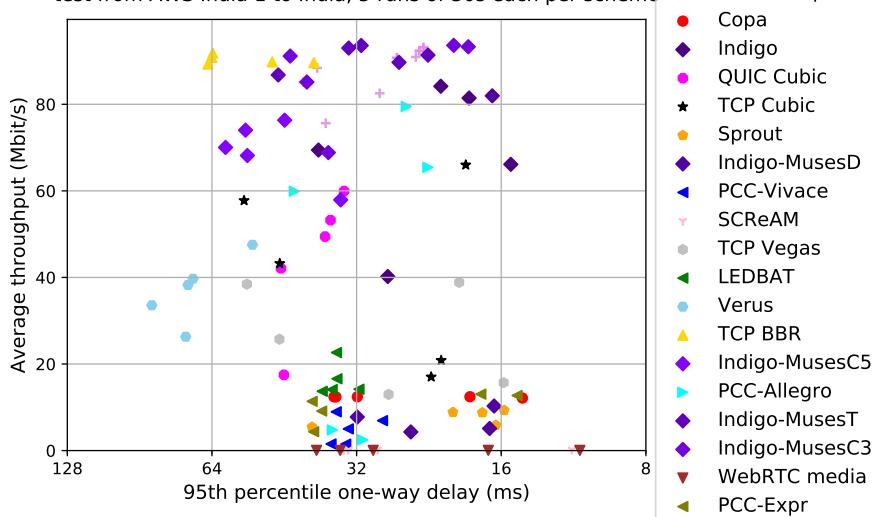
```
branch: muses @ c80a283586bf7b0cc1fe08c69c8f60d56498f81c
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ c3eee875824760ec5b2fd207fefef166e1afe2170
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third\_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

test from AWS India 1 to India, 5 runs of 30s each per scheme  
(mean of all runs by scheme)



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



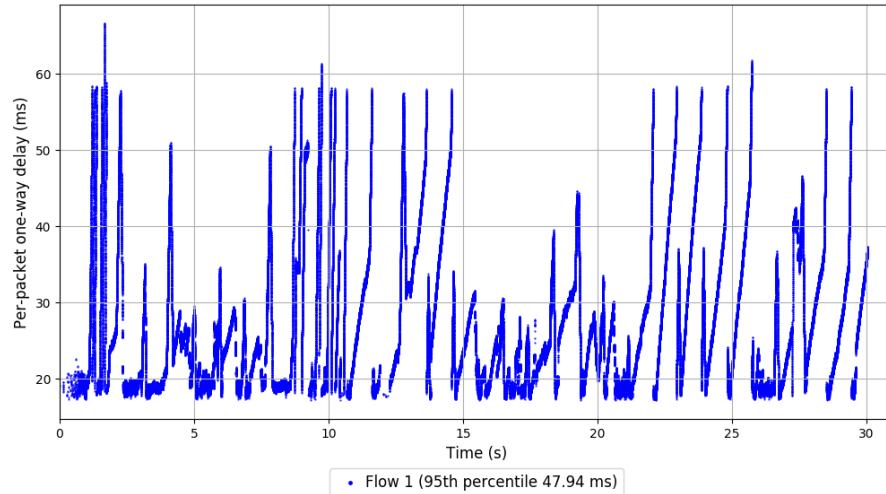
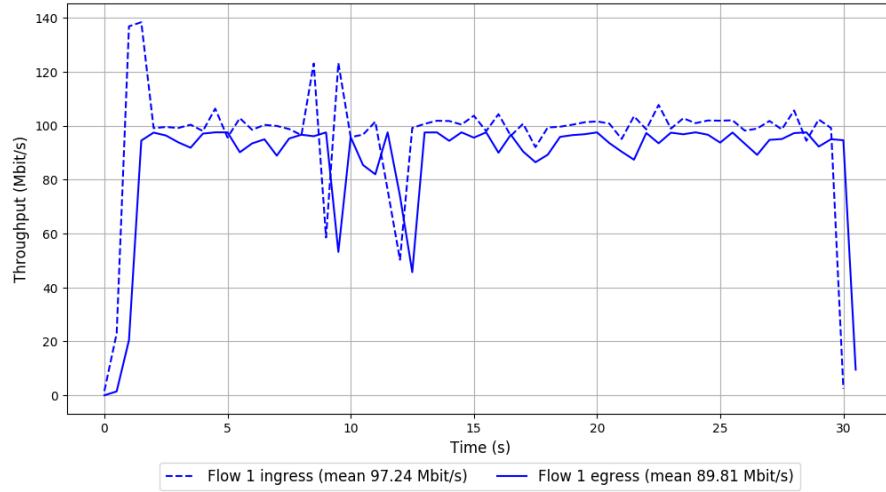
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	90.28	56.06	6.13
Copa	5	12.37	27.19	33.79
TCP Cubic	5	40.97	32.76	1.95
FillP	5	88.62	26.26	4.86
FillP-Sheep	5	85.89	30.28	5.17
Indigo	5	68.27	24.26	3.46
Indigo-MusesC3	5	86.41	32.01	1.57
Indigo-MusesC5	5	69.29	49.64	1.46
Indigo-MusesD	5	21.89	21.35	0.01
Indigo-MusesT	5	90.88	31.99	11.98
LEDBAT	5	16.24	35.15	0.01
PCC-Allegro	5	42.43	31.62	0.84
PCC-Expr	5	10.12	29.84	12.54
QUIC Cubic	5	44.44	39.75	1.44
SCReAM	5	0.22	28.39	0.00
Sprout	5	7.65	21.90	0.01
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	26.34	32.66	0.60
Verus	5	37.07	70.51	53.82
PCC-Vivace	5	4.78	33.35	0.01
WebRTC media	5	0.05	26.19	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-01-17 06:39:31
End at: 2019-01-17 06:40:01
Local clock offset: -3.853 ms
Remote clock offset: 3.493 ms

# Below is generated by plot.py at 2019-01-17 09:11:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.81 Mbit/s
95th percentile per-packet one-way delay: 47.936 ms
Loss rate: 7.58%
-- Flow 1:
Average throughput: 89.81 Mbit/s
95th percentile per-packet one-way delay: 47.936 ms
Loss rate: 7.58%
```

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

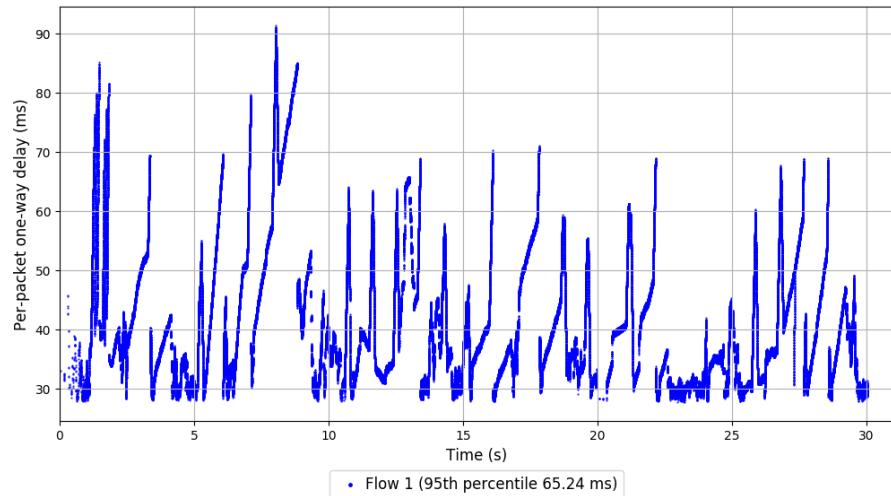
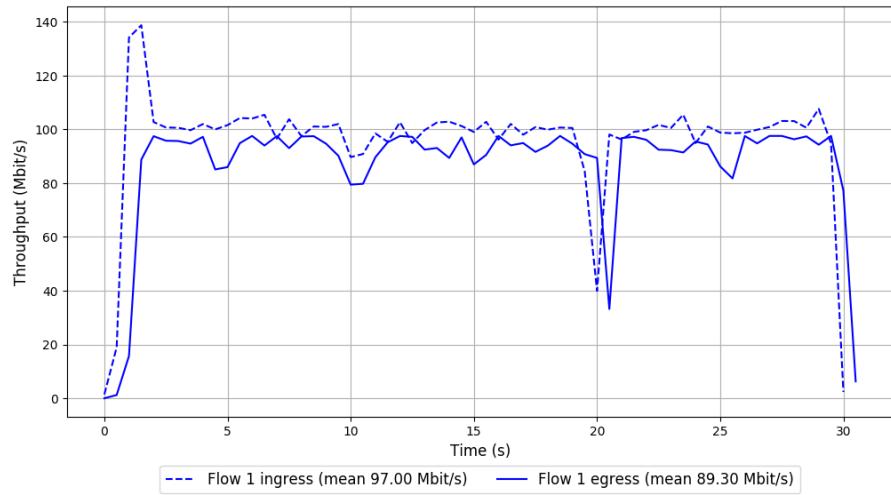


Run 2: Statistics of TCP BBR

```
Start at: 2019-01-17 07:10:03
End at: 2019-01-17 07:10:33
Local clock offset: -0.644 ms
Remote clock offset: 15.173 ms

# Below is generated by plot.py at 2019-01-17 09:11:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.30 Mbit/s
95th percentile per-packet one-way delay: 65.238 ms
Loss rate: 7.95%
-- Flow 1:
Average throughput: 89.30 Mbit/s
95th percentile per-packet one-way delay: 65.238 ms
Loss rate: 7.95%
```

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

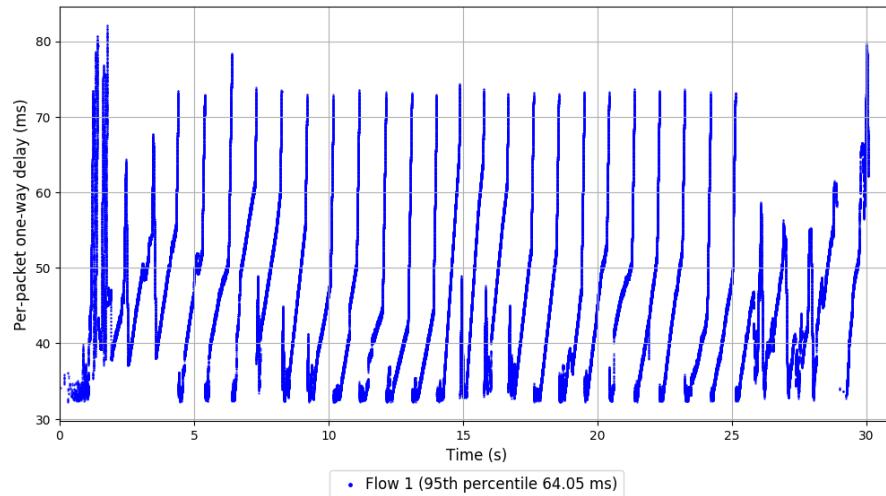
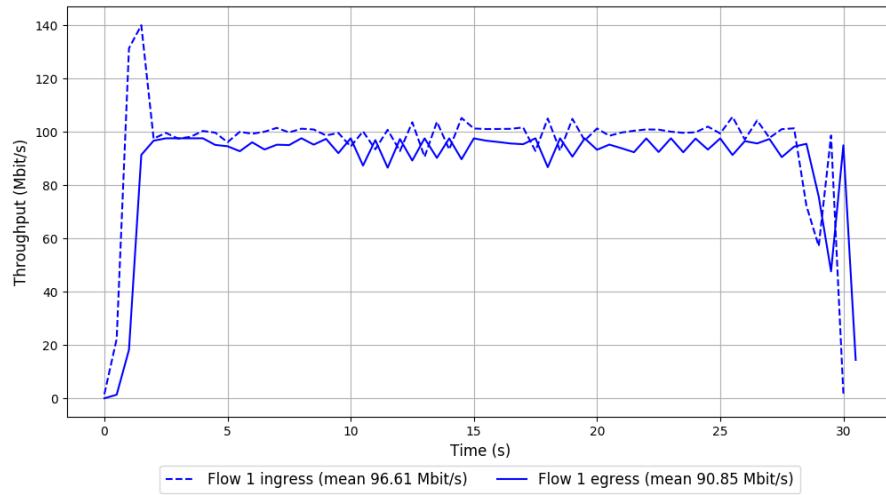


Run 3: Statistics of TCP BBR

```
Start at: 2019-01-17 07:39:27
End at: 2019-01-17 07:39:57
Local clock offset: -1.63 ms
Remote clock offset: 15.136 ms

# Below is generated by plot.py at 2019-01-17 09:11:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.85 Mbit/s
95th percentile per-packet one-way delay: 64.054 ms
Loss rate: 5.87%
-- Flow 1:
Average throughput: 90.85 Mbit/s
95th percentile per-packet one-way delay: 64.054 ms
Loss rate: 5.87%
```

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

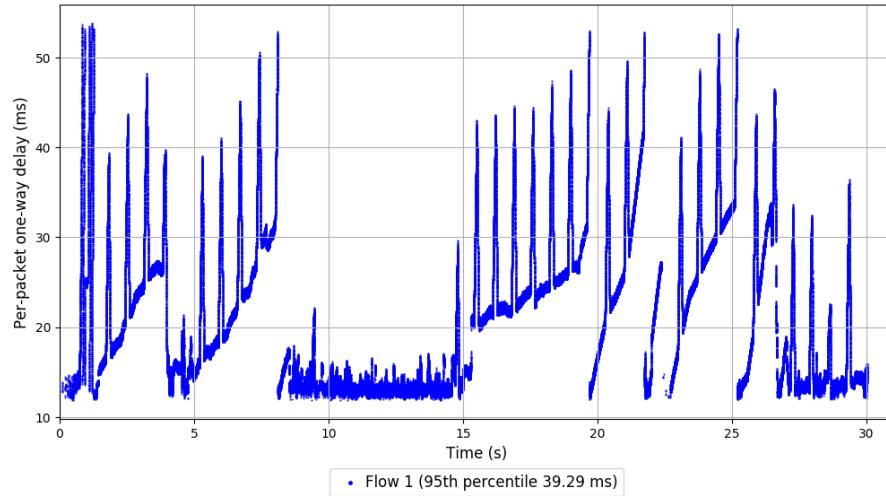
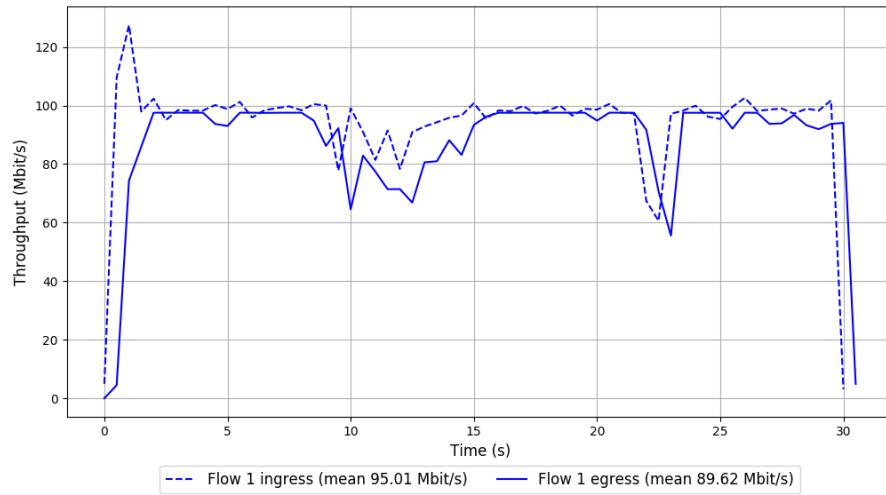


Run 4: Statistics of TCP BBR

```
Start at: 2019-01-17 08:06:47
End at: 2019-01-17 08:07:17
Local clock offset: 0.515 ms
Remote clock offset: -5.431 ms

# Below is generated by plot.py at 2019-01-17 09:11:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.62 Mbit/s
95th percentile per-packet one-way delay: 39.286 ms
Loss rate: 5.67%
-- Flow 1:
Average throughput: 89.62 Mbit/s
95th percentile per-packet one-way delay: 39.286 ms
Loss rate: 5.67%
```

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

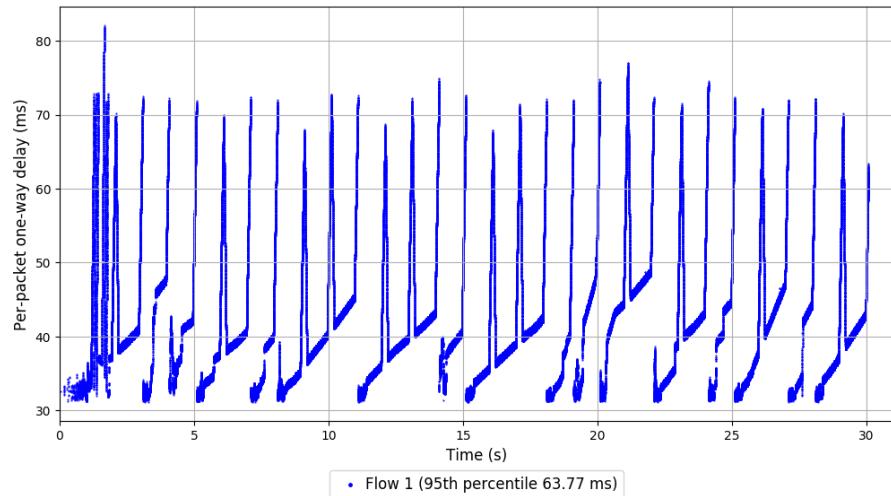
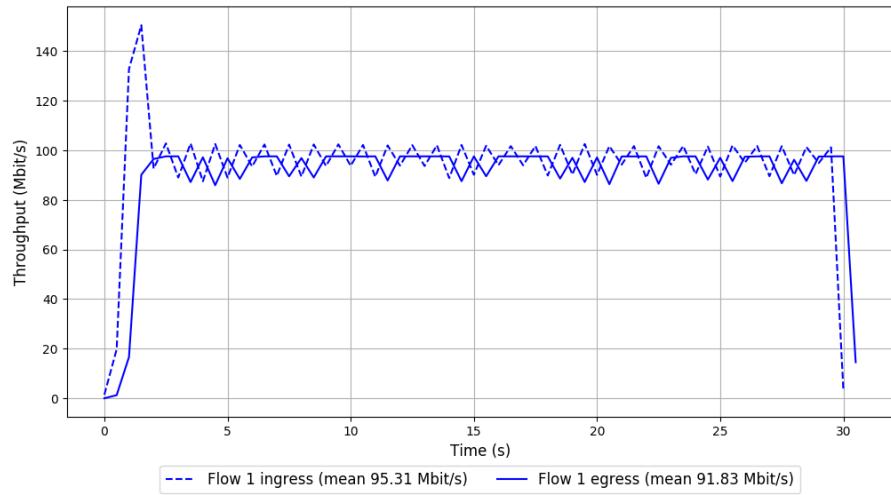


Run 5: Statistics of TCP BBR

```
Start at: 2019-01-17 08:47:49
End at: 2019-01-17 08:48:19
Local clock offset: -0.725 ms
Remote clock offset: 6.667 ms

# Below is generated by plot.py at 2019-01-17 09:11:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.83 Mbit/s
95th percentile per-packet one-way delay: 63.767 ms
Loss rate: 3.56%
-- Flow 1:
Average throughput: 91.83 Mbit/s
95th percentile per-packet one-way delay: 63.767 ms
Loss rate: 3.56%
```

Run 5: Report of TCP BBR — Data Link

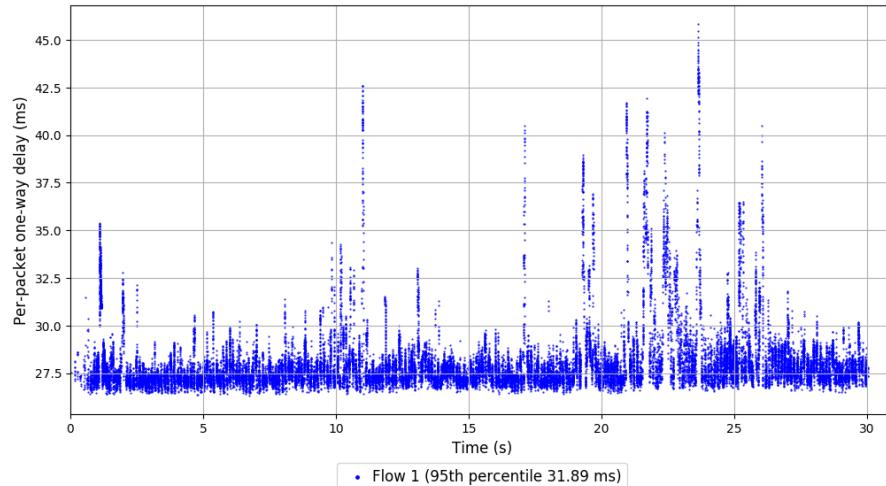
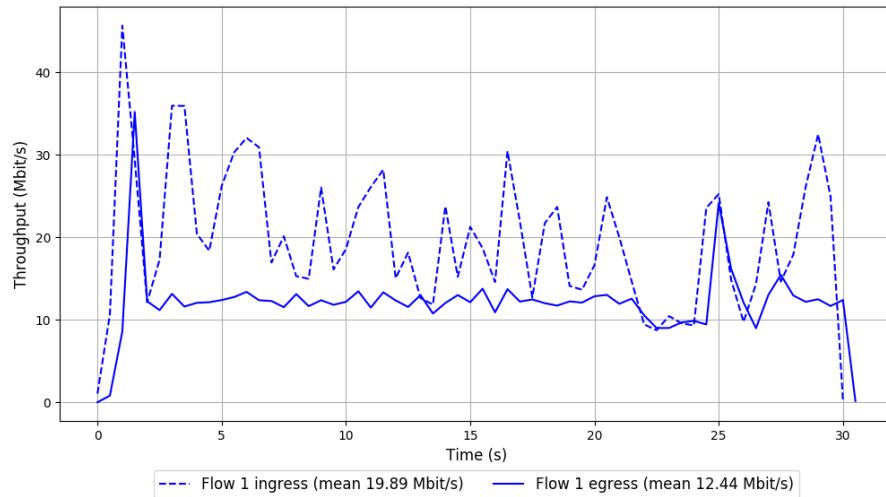


Run 1: Statistics of Copa

```
Start at: 2019-01-17 06:54:09
End at: 2019-01-17 06:54:39
Local clock offset: -1.872 ms
Remote clock offset: 13.647 ms

# Below is generated by plot.py at 2019-01-17 09:11:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.44 Mbit/s
95th percentile per-packet one-way delay: 31.885 ms
Loss rate: 37.46%
-- Flow 1:
Average throughput: 12.44 Mbit/s
95th percentile per-packet one-way delay: 31.885 ms
Loss rate: 37.46%
```

## Run 1: Report of Copa — Data Link

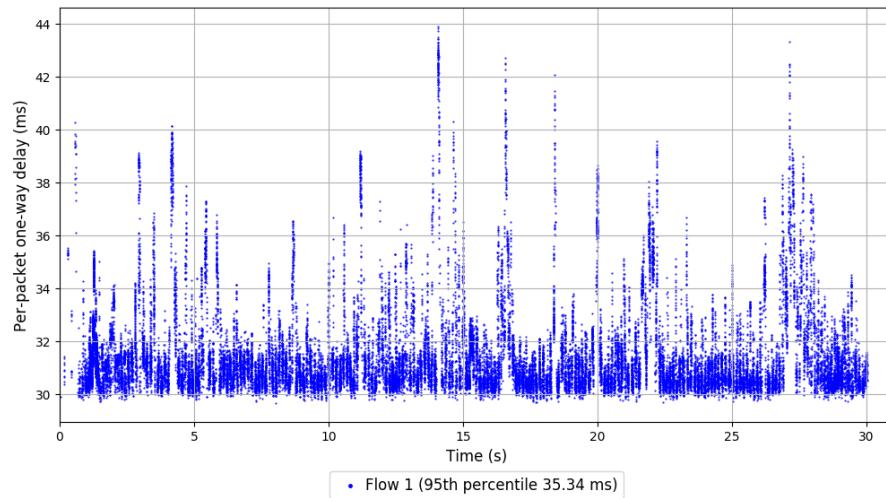
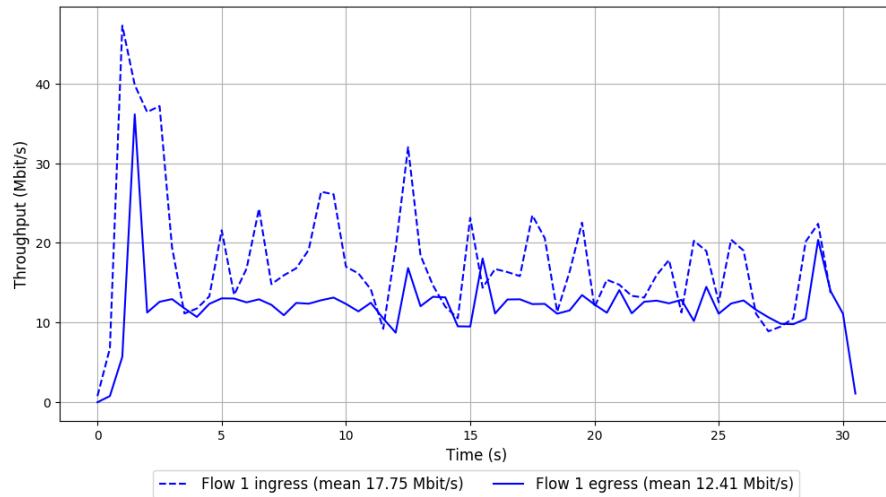


Run 2: Statistics of Copa

```
Start at: 2019-01-17 07:23:46
End at: 2019-01-17 07:24:17
Local clock offset: 1.755 ms
Remote clock offset: 19.722 ms

# Below is generated by plot.py at 2019-01-17 09:11:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.41 Mbit/s
95th percentile per-packet one-way delay: 35.341 ms
Loss rate: 30.07%
-- Flow 1:
Average throughput: 12.41 Mbit/s
95th percentile per-packet one-way delay: 35.341 ms
Loss rate: 30.07%
```

## Run 2: Report of Copa — Data Link

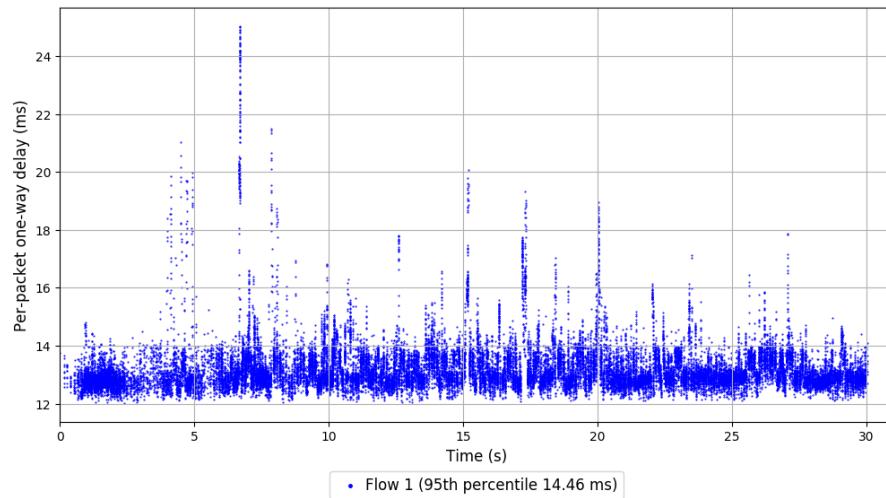
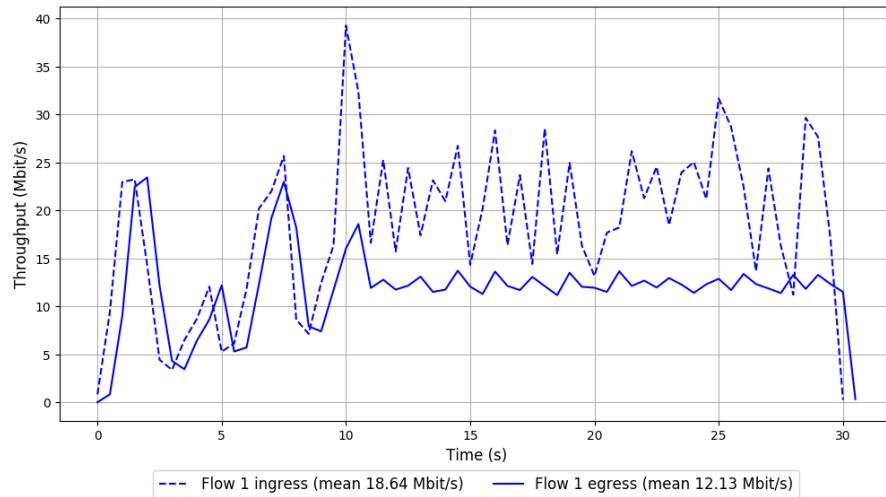


Run 3: Statistics of Copa

```
Start at: 2019-01-17 07:52:58
End at: 2019-01-17 07:53:28
Local clock offset: 0.791 ms
Remote clock offset: -5.072 ms

# Below is generated by plot.py at 2019-01-17 09:11:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 14.456 ms
Loss rate: 34.89%
-- Flow 1:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 14.456 ms
Loss rate: 34.89%
```

### Run 3: Report of Copa — Data Link

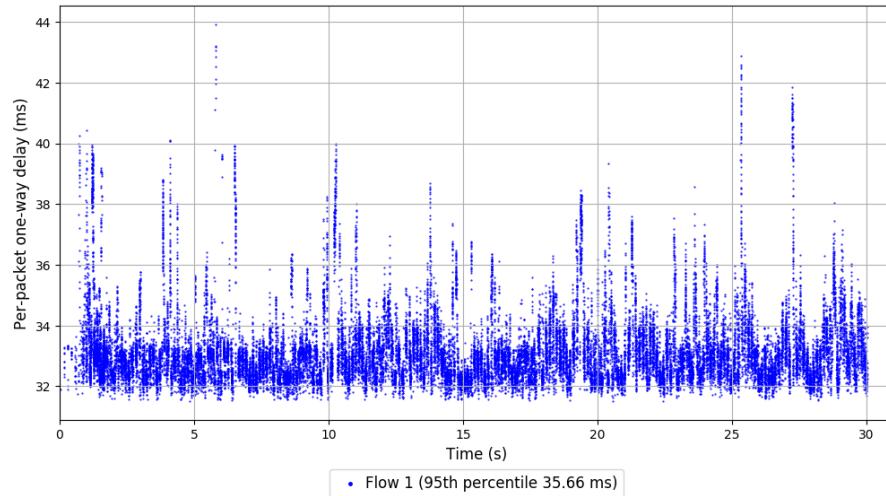
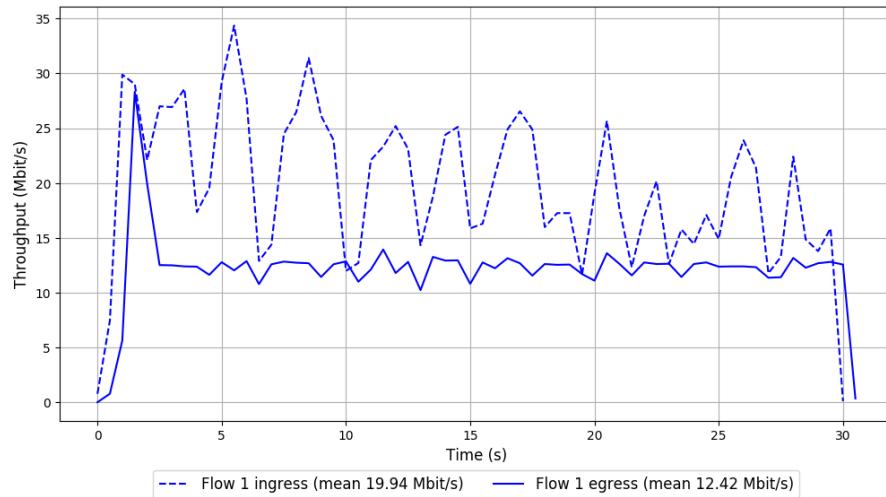


Run 4: Statistics of Copa

```
Start at: 2019-01-17 08:23:08
End at: 2019-01-17 08:23:38
Local clock offset: 0.541 ms
Remote clock offset: 12.611 ms

# Below is generated by plot.py at 2019-01-17 09:11:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.42 Mbit/s
95th percentile per-packet one-way delay: 35.657 ms
Loss rate: 37.70%
-- Flow 1:
Average throughput: 12.42 Mbit/s
95th percentile per-packet one-way delay: 35.657 ms
Loss rate: 37.70%
```

### Run 4: Report of Copa — Data Link

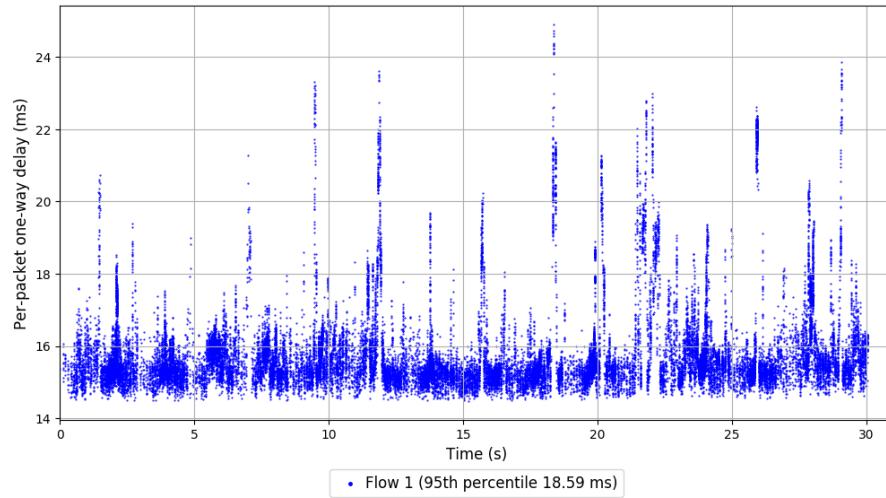
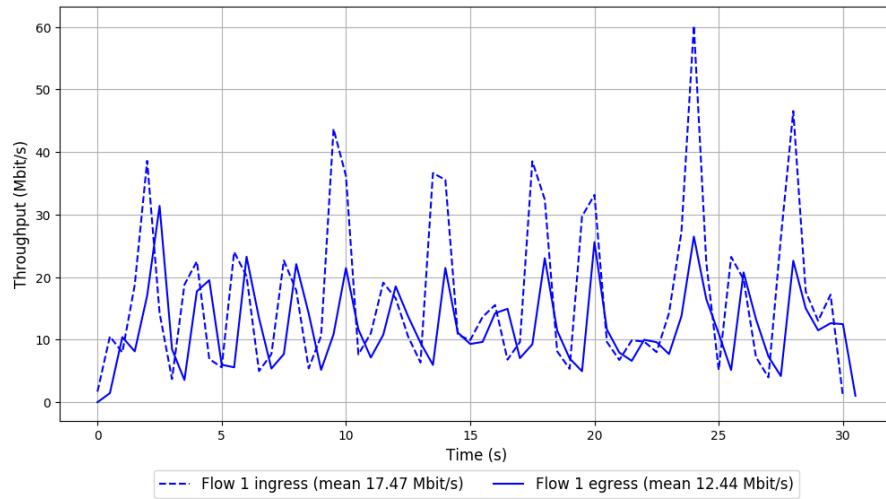


Run 5: Statistics of Copa

```
Start at: 2019-01-17 09:03:32
End at: 2019-01-17 09:04:02
Local clock offset: -0.787 ms
Remote clock offset: -11.996 ms

# Below is generated by plot.py at 2019-01-17 09:11:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.44 Mbit/s
95th percentile per-packet one-way delay: 18.587 ms
Loss rate: 28.82%
-- Flow 1:
Average throughput: 12.44 Mbit/s
95th percentile per-packet one-way delay: 18.587 ms
Loss rate: 28.82%
```

### Run 5: Report of Copa — Data Link

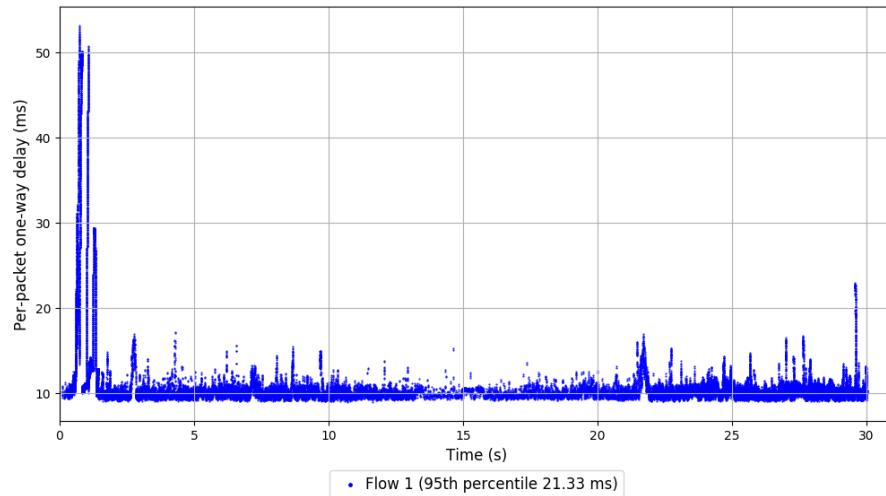
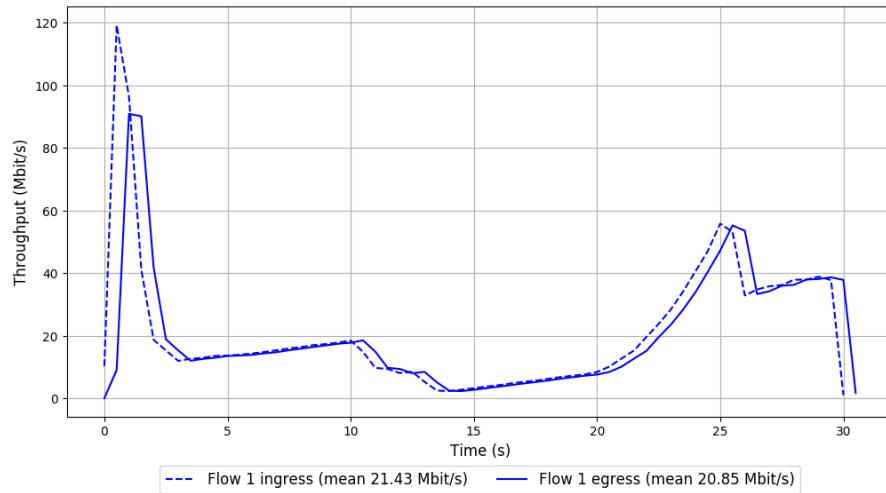


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-01-17 06:32:46
End at: 2019-01-17 06:33:16
Local clock offset: -3.72 ms
Remote clock offset: -4.398 ms

# Below is generated by plot.py at 2019-01-17 09:11:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.85 Mbit/s
95th percentile per-packet one-way delay: 21.333 ms
Loss rate: 2.74%
-- Flow 1:
Average throughput: 20.85 Mbit/s
95th percentile per-packet one-way delay: 21.333 ms
Loss rate: 2.74%
```

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

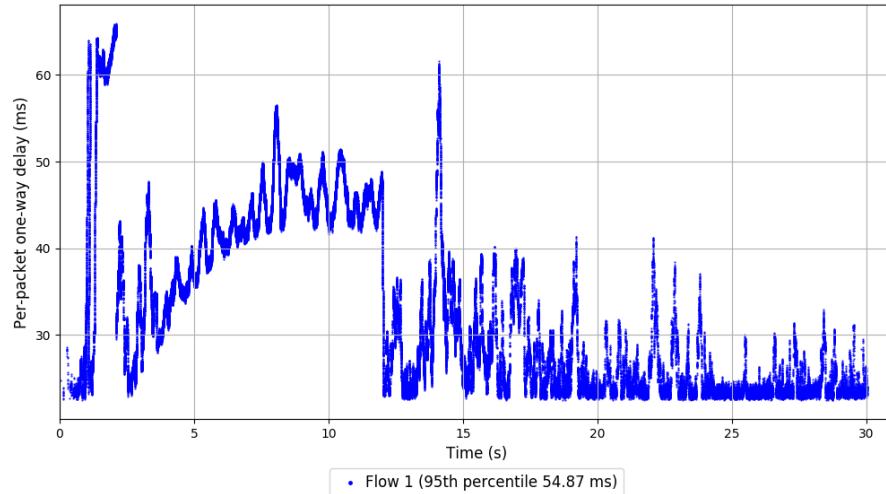
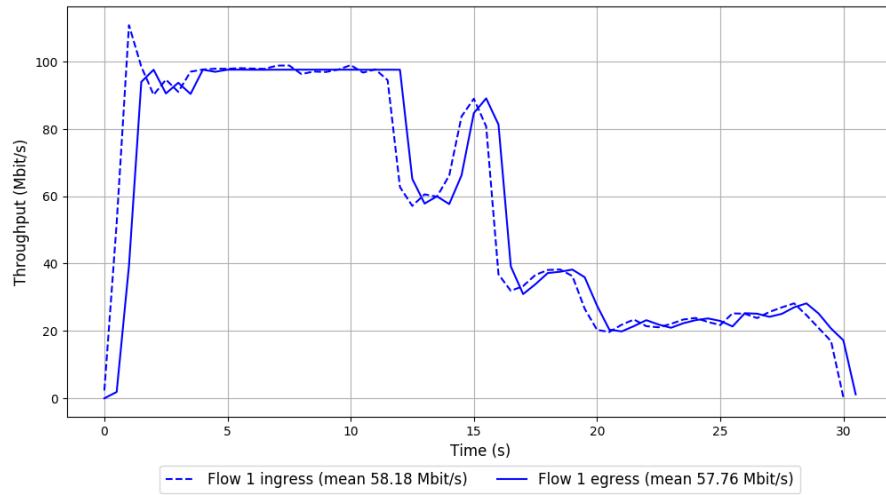


Run 2: Statistics of TCP Cubic

```
Start at: 2019-01-17 07:03:41
End at: 2019-01-17 07:04:11
Local clock offset: 1.479 ms
Remote clock offset: 12.23 ms

# Below is generated by plot.py at 2019-01-17 09:11:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.76 Mbit/s
95th percentile per-packet one-way delay: 54.869 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 57.76 Mbit/s
95th percentile per-packet one-way delay: 54.869 ms
Loss rate: 0.73%
```

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

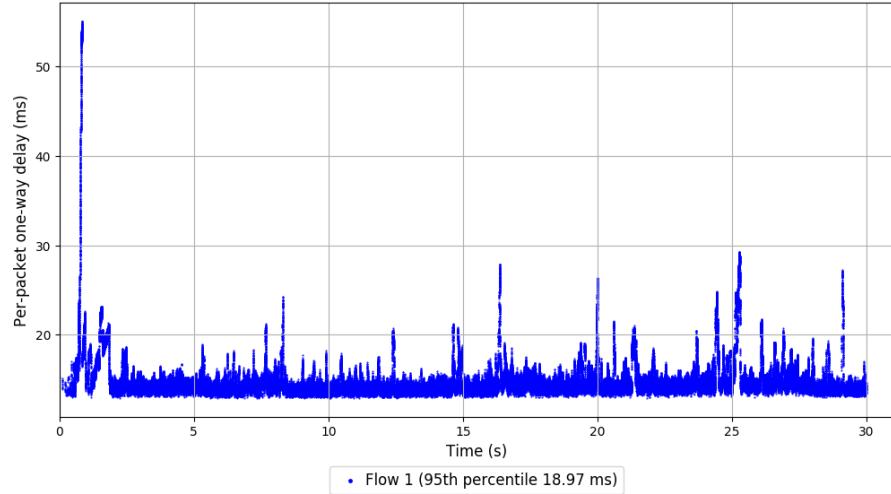
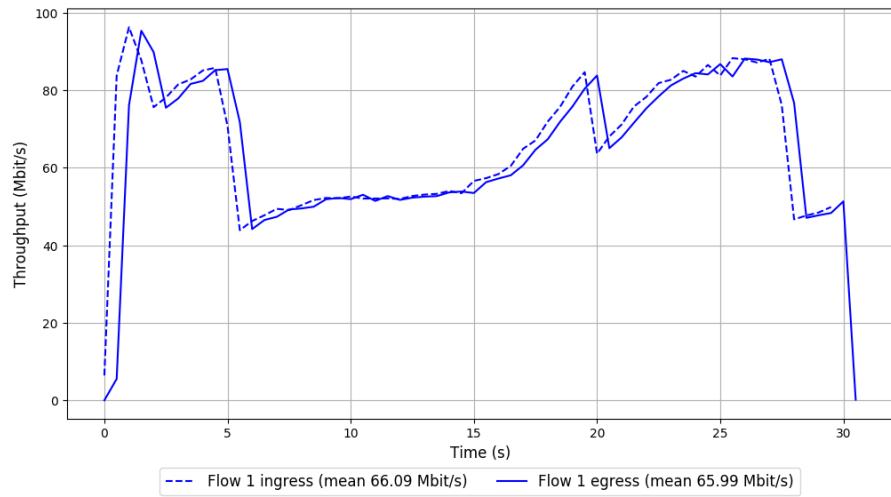


Run 3: Statistics of TCP Cubic

```
Start at: 2019-01-17 07:33:14
End at: 2019-01-17 07:33:44
Local clock offset: 0.49 ms
Remote clock offset: 0.491 ms

# Below is generated by plot.py at 2019-01-17 09:11:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.99 Mbit/s
95th percentile per-packet one-way delay: 18.967 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 65.99 Mbit/s
95th percentile per-packet one-way delay: 18.967 ms
Loss rate: 0.14%
```

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

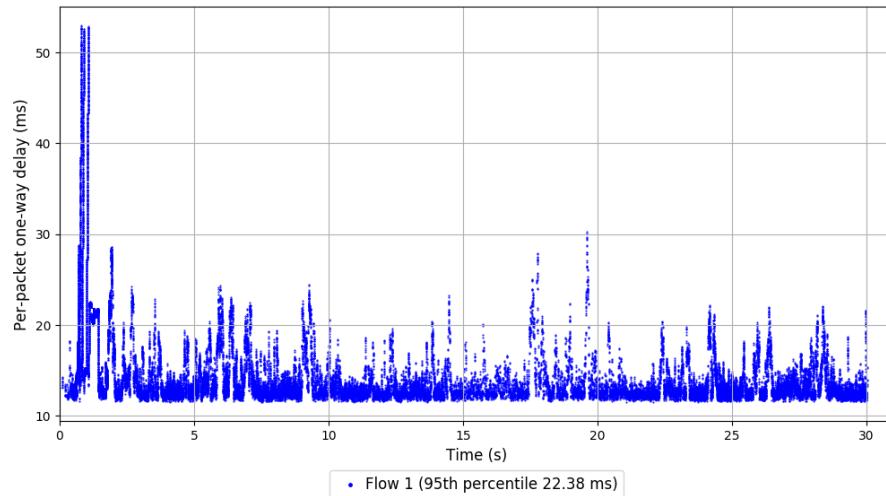
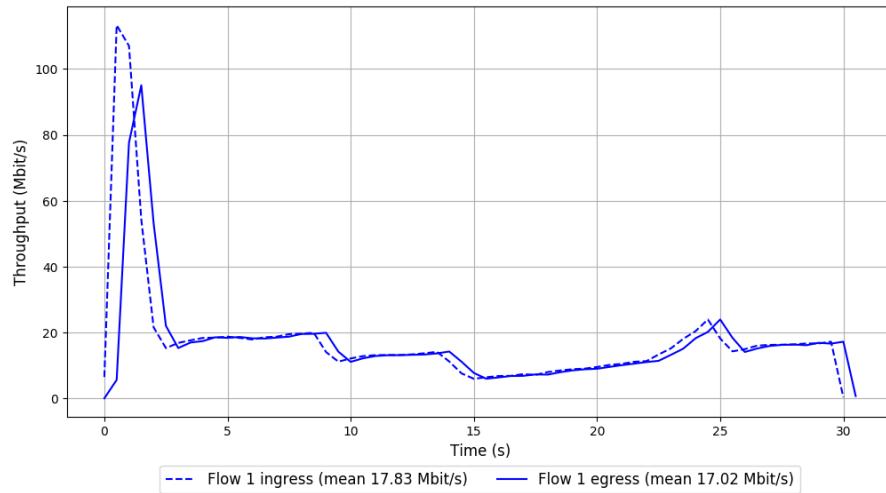


Run 4: Statistics of TCP Cubic

```
Start at: 2019-01-17 08:01:01
End at: 2019-01-17 08:01:31
Local clock offset: -0.289 ms
Remote clock offset: -6.617 ms

# Below is generated by plot.py at 2019-01-17 09:11:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.02 Mbit/s
95th percentile per-packet one-way delay: 22.384 ms
Loss rate: 4.57%
-- Flow 1:
Average throughput: 17.02 Mbit/s
95th percentile per-packet one-way delay: 22.384 ms
Loss rate: 4.57%
```

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

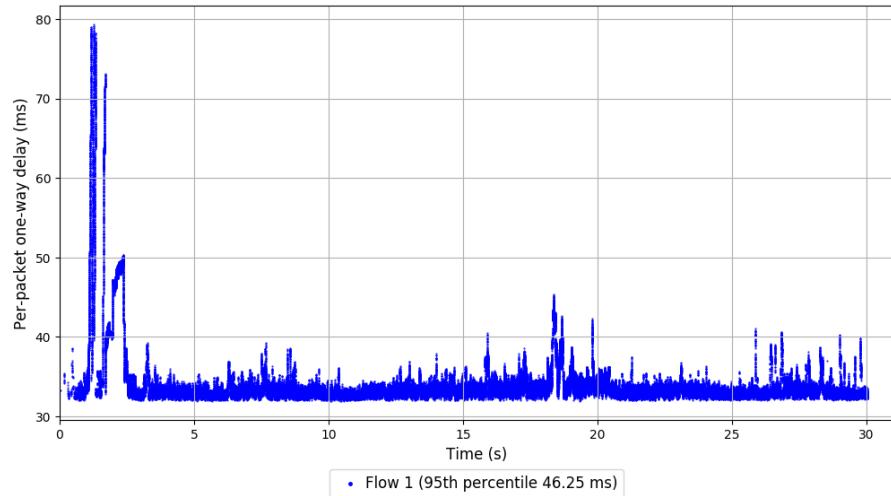
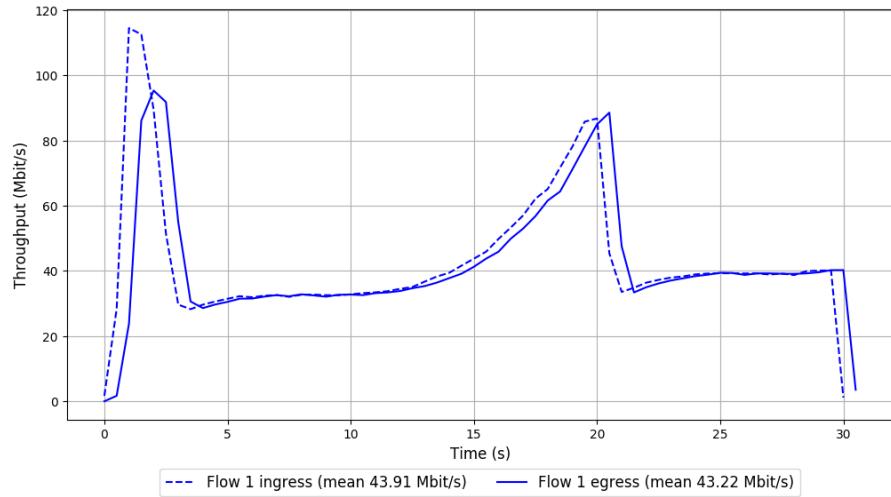


Run 5: Statistics of TCP Cubic

```
Start at: 2019-01-17 08:35:37
End at: 2019-01-17 08:36:07
Local clock offset: -0.664 ms
Remote clock offset: 10.456 ms

# Below is generated by plot.py at 2019-01-17 09:11:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.22 Mbit/s
95th percentile per-packet one-way delay: 46.253 ms
Loss rate: 1.58%
-- Flow 1:
Average throughput: 43.22 Mbit/s
95th percentile per-packet one-way delay: 46.253 ms
Loss rate: 1.58%
```

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

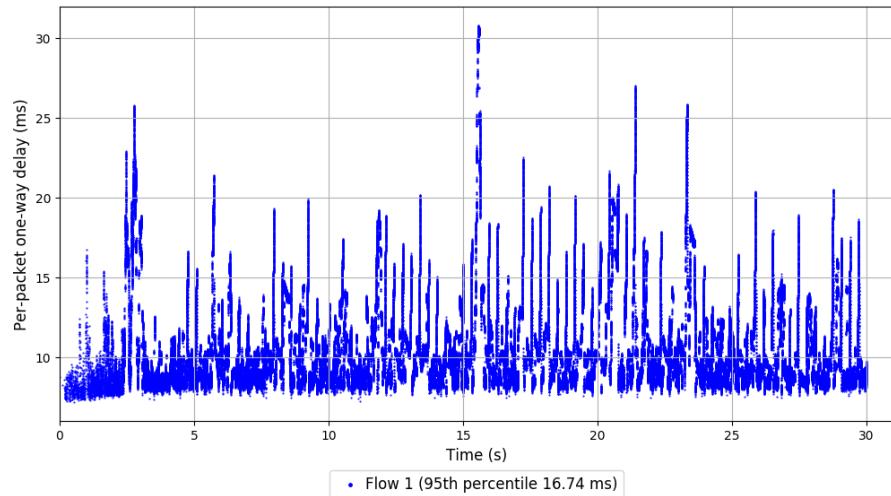
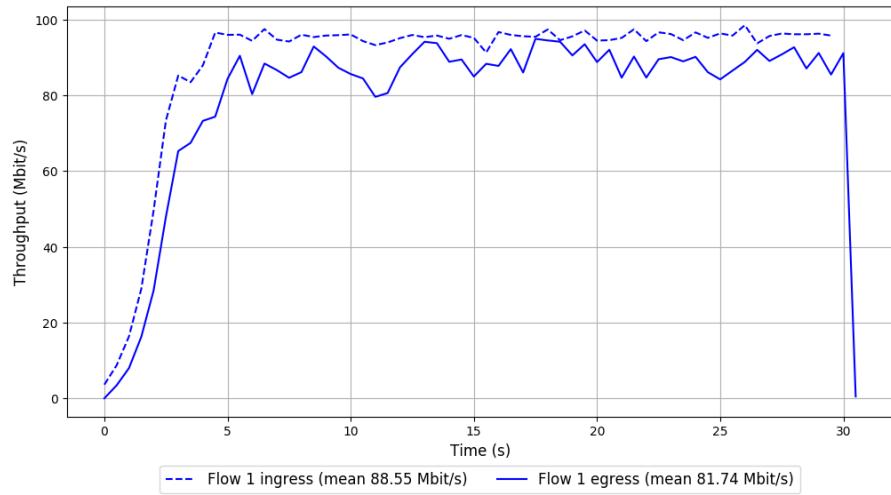


```
Run 1: Statistics of FillP
```

```
Start at: 2019-01-17 06:35:21
End at: 2019-01-17 06:35:51
Local clock offset: -1.708 ms
Remote clock offset: -4.224 ms

# Below is generated by plot.py at 2019-01-17 09:13:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.74 Mbit/s
95th percentile per-packet one-way delay: 16.736 ms
Loss rate: 7.69%
-- Flow 1:
Average throughput: 81.74 Mbit/s
95th percentile per-packet one-way delay: 16.736 ms
Loss rate: 7.69%
```

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

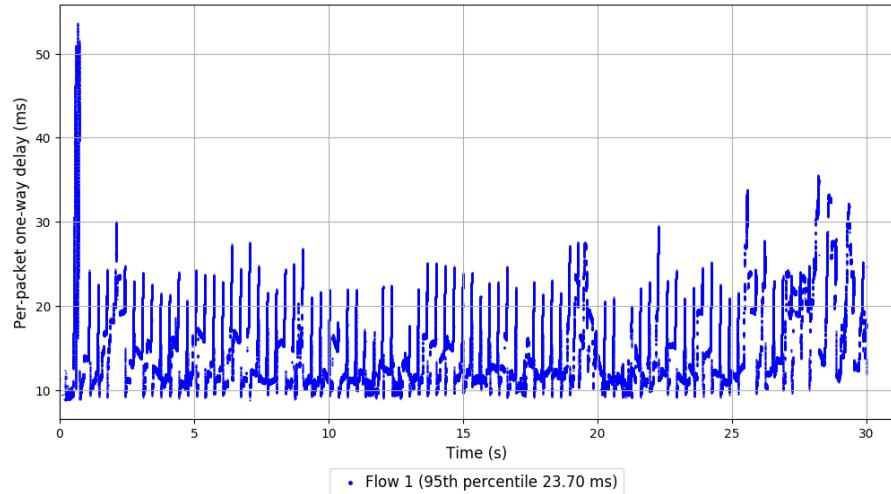
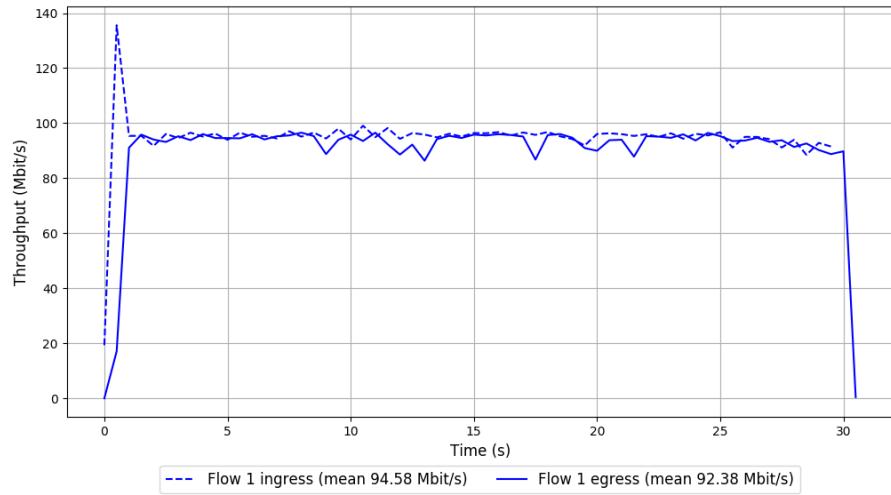


Run 2: Statistics of FillP

```
Start at: 2019-01-17 07:06:04
End at: 2019-01-17 07:06:34
Local clock offset: -0.529 ms
Remote clock offset: -3.608 ms

# Below is generated by plot.py at 2019-01-17 09:13:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.38 Mbit/s
95th percentile per-packet one-way delay: 23.697 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 92.38 Mbit/s
95th percentile per-packet one-way delay: 23.697 ms
Loss rate: 2.34%
```

## Run 2: Report of FillP — Data Link

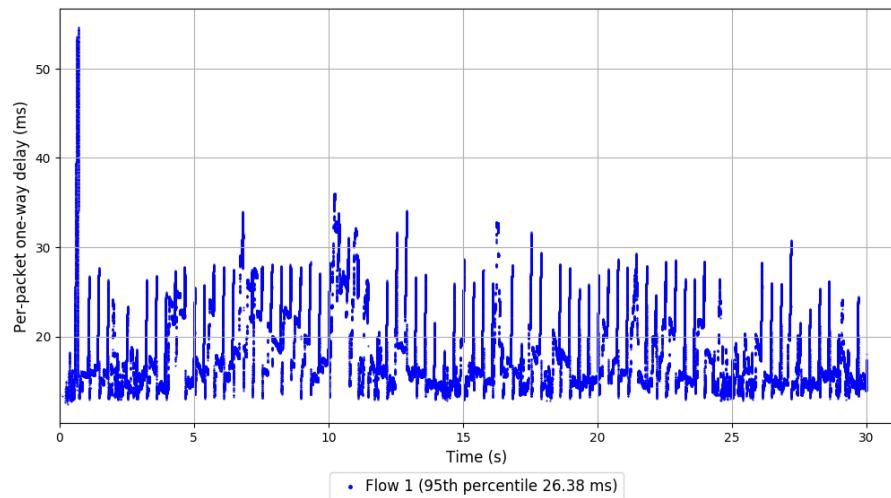
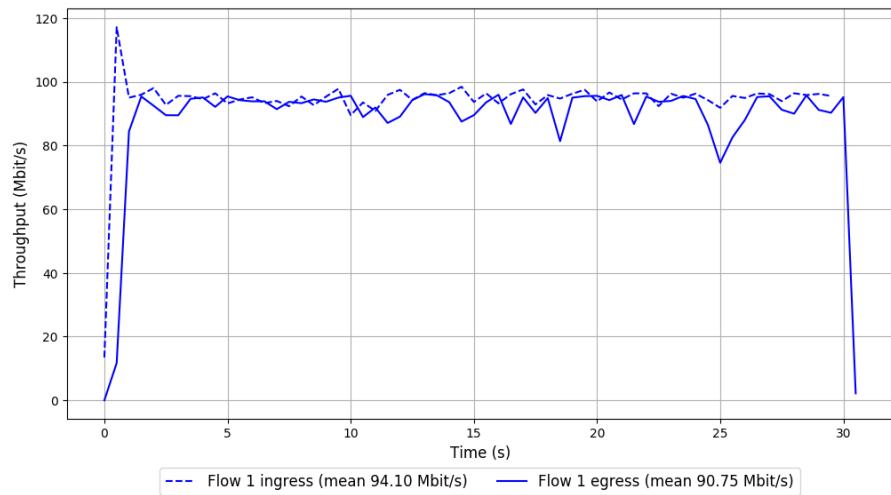


Run 3: Statistics of FillP

```
Start at: 2019-01-17 07:35:33
End at: 2019-01-17 07:36:03
Local clock offset: 1.034 ms
Remote clock offset: -0.552 ms

# Below is generated by plot.py at 2019-01-17 09:13:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.75 Mbit/s
95th percentile per-packet one-way delay: 26.382 ms
Loss rate: 3.54%
-- Flow 1:
Average throughput: 90.75 Mbit/s
95th percentile per-packet one-way delay: 26.382 ms
Loss rate: 3.54%
```

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

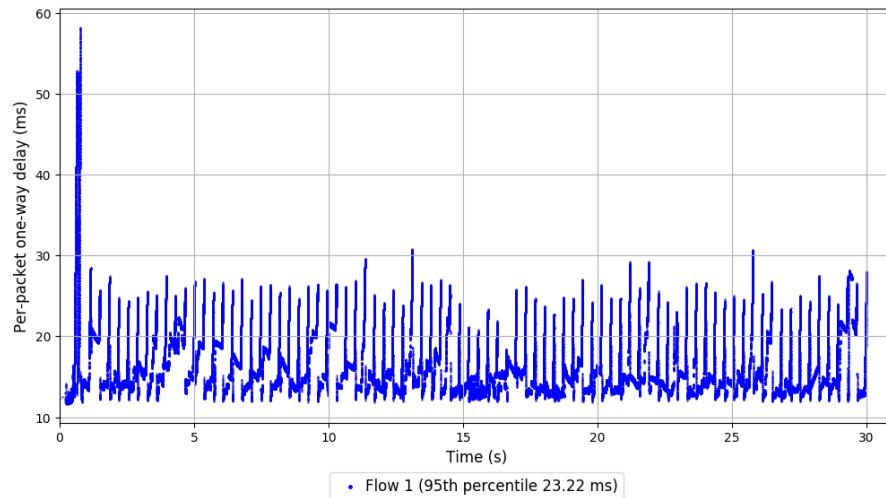
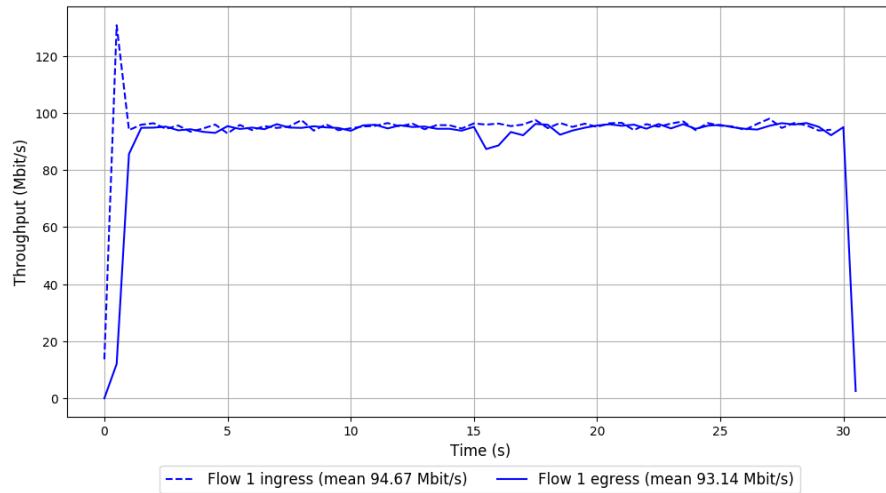


Run 4: Statistics of FillP

```
Start at: 2019-01-17 08:03:19
End at: 2019-01-17 08:03:49
Local clock offset: 0.516 ms
Remote clock offset: -5.749 ms

# Below is generated by plot.py at 2019-01-17 09:13:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.14 Mbit/s
95th percentile per-packet one-way delay: 23.224 ms
Loss rate: 1.59%
-- Flow 1:
Average throughput: 93.14 Mbit/s
95th percentile per-packet one-way delay: 23.224 ms
Loss rate: 1.59%
```

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

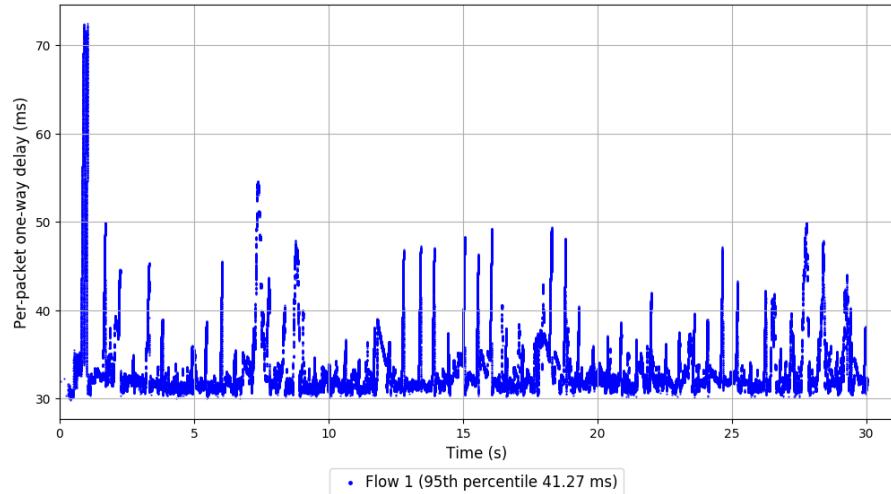
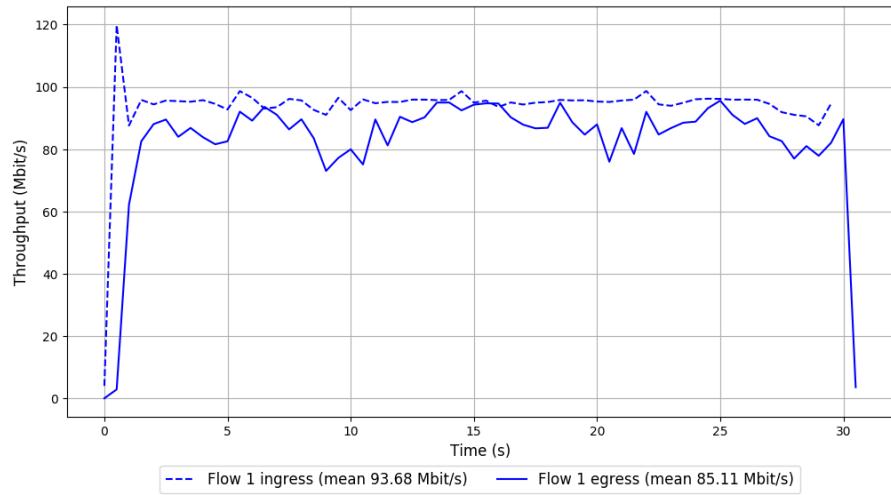


Run 5: Statistics of FillP

```
Start at: 2019-01-17 08:40:25
End at: 2019-01-17 08:40:55
Local clock offset: 0.625 ms
Remote clock offset: 8.923 ms

# Below is generated by plot.py at 2019-01-17 09:13:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.11 Mbit/s
95th percentile per-packet one-way delay: 41.267 ms
Loss rate: 9.16%
-- Flow 1:
Average throughput: 85.11 Mbit/s
95th percentile per-packet one-way delay: 41.267 ms
Loss rate: 9.16%
```

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

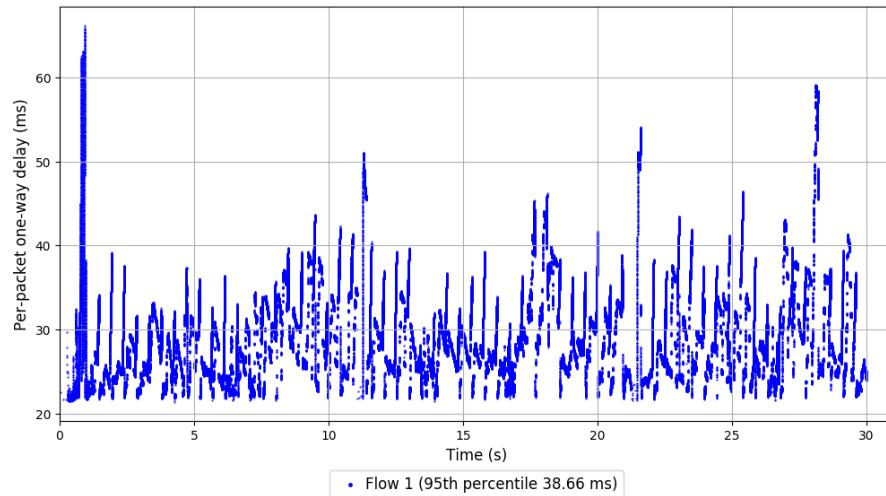
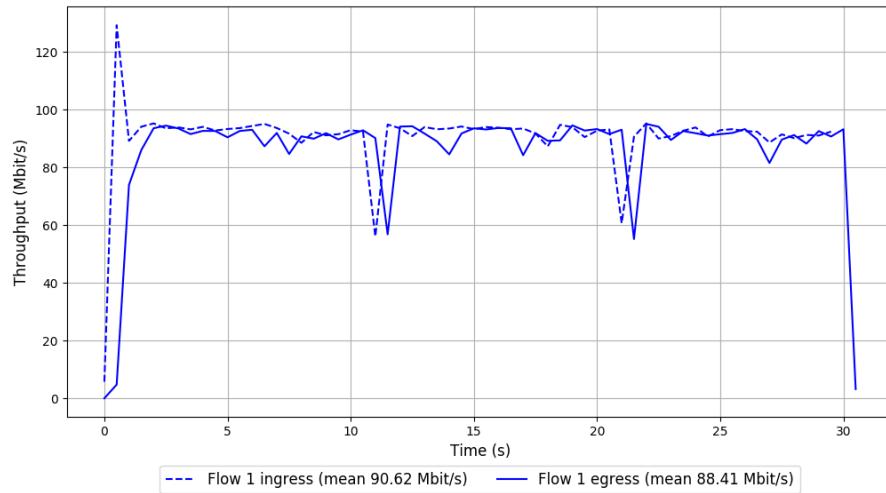


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-01-17 07:00:45
End at: 2019-01-17 07:01:15
Local clock offset: 0.163 ms
Remote clock offset: 10.13 ms

# Below is generated by plot.py at 2019-01-17 09:13:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.41 Mbit/s
95th percentile per-packet one-way delay: 38.664 ms
Loss rate: 2.43%
-- Flow 1:
Average throughput: 88.41 Mbit/s
95th percentile per-packet one-way delay: 38.664 ms
Loss rate: 2.43%
```

Run 1: Report of FillP-Sheep — Data Link

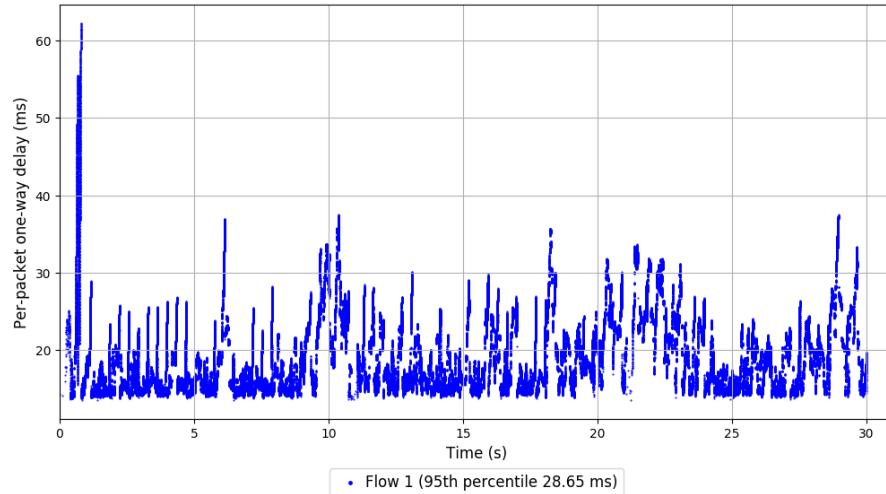
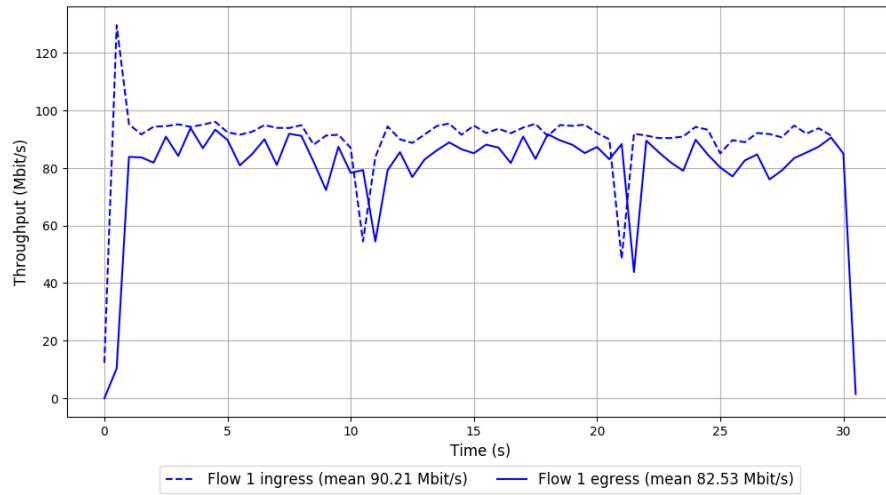


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-01-17 07:30:49
End at: 2019-01-17 07:31:19
Local clock offset: -6.365 ms
Remote clock offset: -5.198 ms

# Below is generated by plot.py at 2019-01-17 09:13:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.53 Mbit/s
95th percentile per-packet one-way delay: 28.648 ms
Loss rate: 8.50%
-- Flow 1:
Average throughput: 82.53 Mbit/s
95th percentile per-packet one-way delay: 28.648 ms
Loss rate: 8.50%
```

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

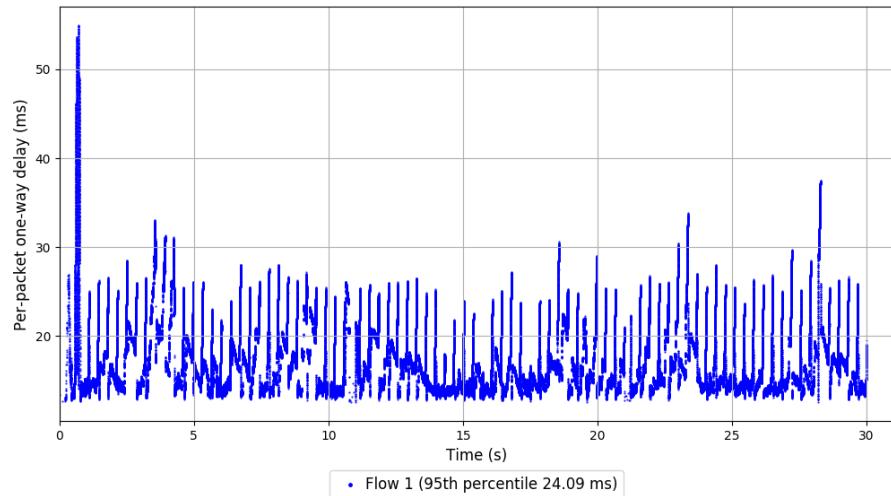
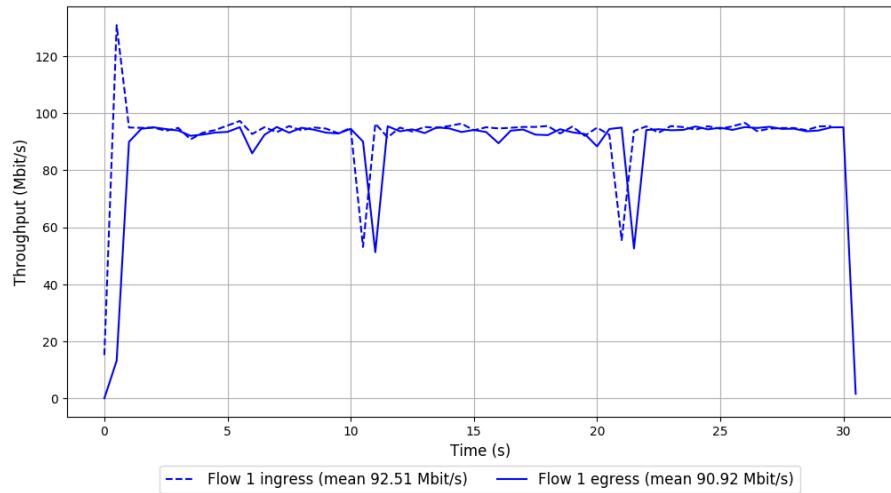


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-01-17 07:58:39
End at: 2019-01-17 07:59:09
Local clock offset: 0.065 ms
Remote clock offset: -5.264 ms

# Below is generated by plot.py at 2019-01-17 09:13:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.92 Mbit/s
95th percentile per-packet one-way delay: 24.089 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 90.92 Mbit/s
95th percentile per-packet one-way delay: 24.089 ms
Loss rate: 1.72%
```

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

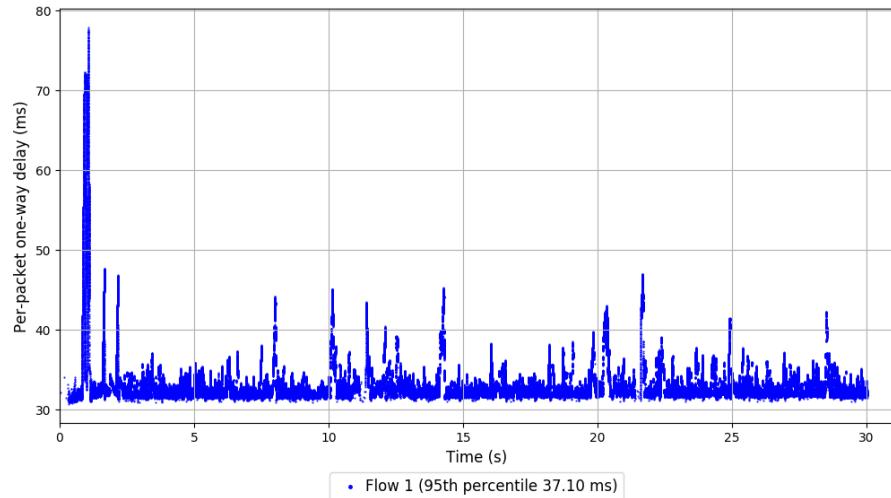
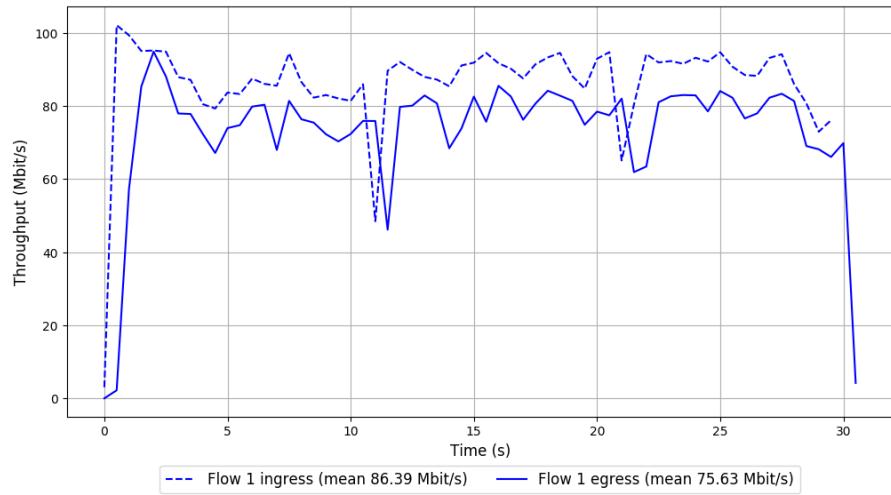


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-01-17 08:30:27
End at: 2019-01-17 08:30:57
Local clock offset: 1.481 ms
Remote clock offset: 11.737 ms

# Below is generated by plot.py at 2019-01-17 09:14:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.63 Mbit/s
95th percentile per-packet one-way delay: 37.105 ms
Loss rate: 12.45%
-- Flow 1:
Average throughput: 75.63 Mbit/s
95th percentile per-packet one-way delay: 37.105 ms
Loss rate: 12.45%
```

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

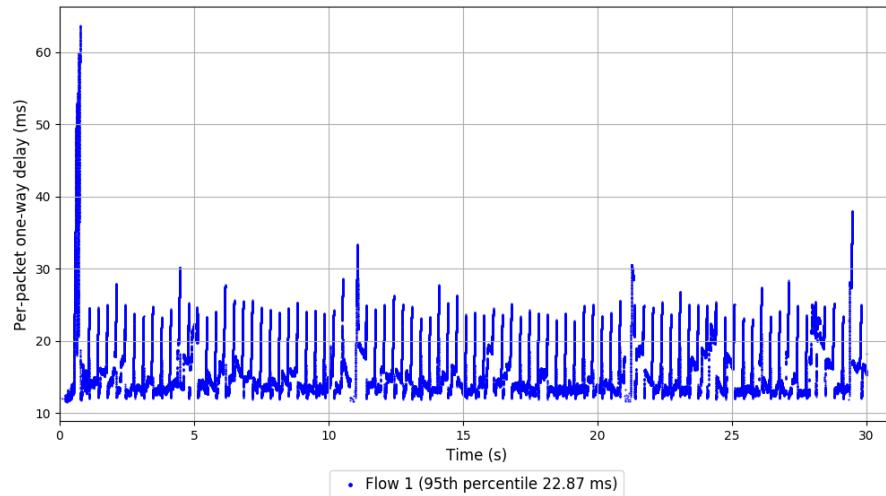
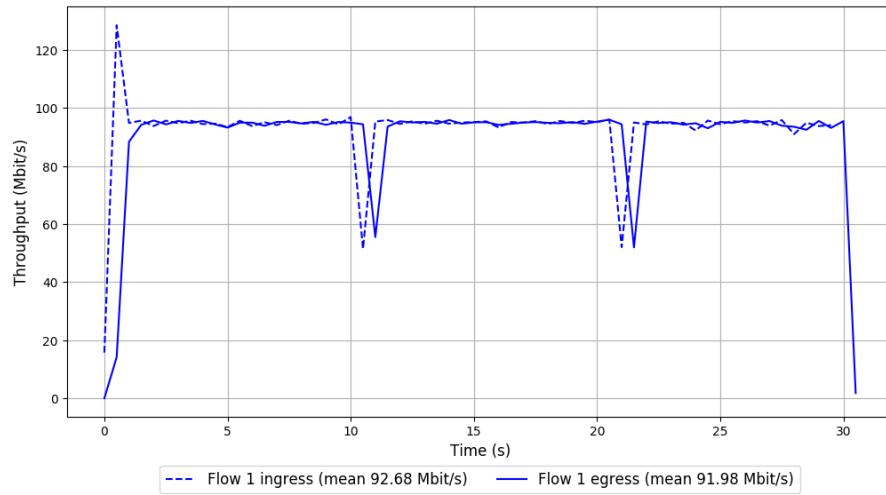


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-01-17 09:09:11
End at: 2019-01-17 09:09:41
Local clock offset: -0.799 ms
Remote clock offset: -15.522 ms

# Below is generated by plot.py at 2019-01-17 09:14:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 22.871 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 91.98 Mbit/s
95th percentile per-packet one-way delay: 22.871 ms
Loss rate: 0.74%
```

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

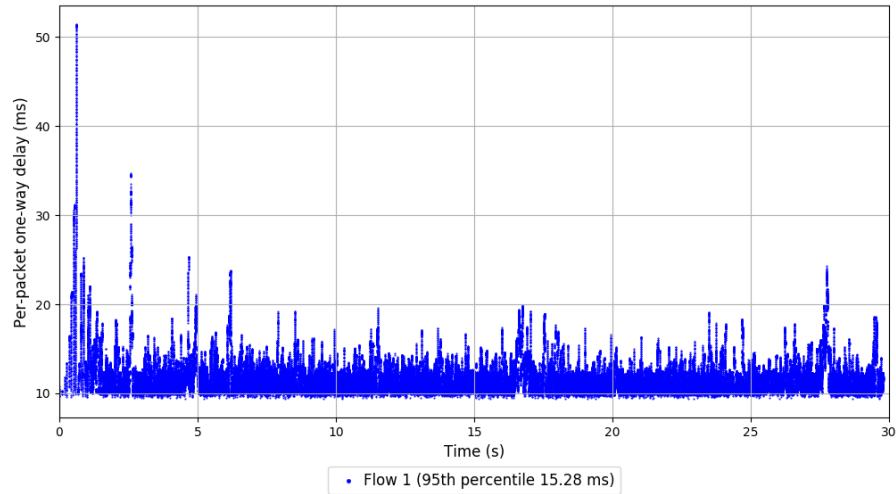
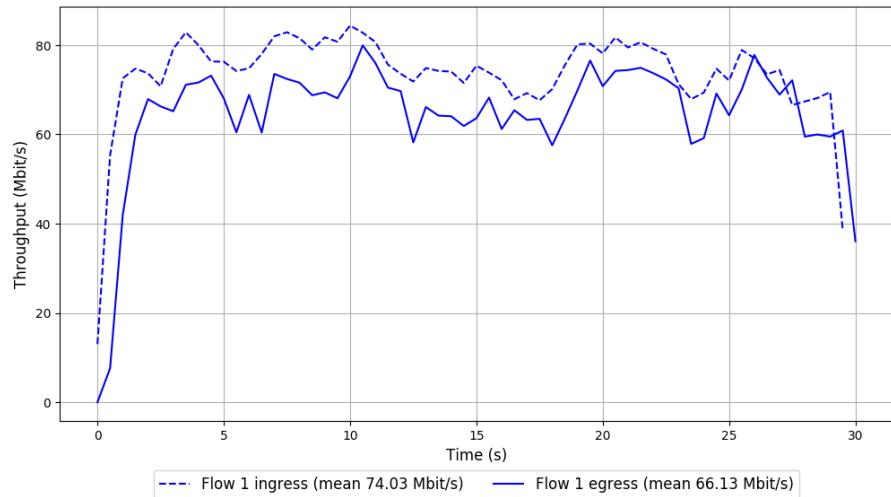


Run 1: Statistics of Indigo

```
Start at: 2019-01-17 06:30:56
End at: 2019-01-17 06:31:26
Local clock offset: -3.512 ms
Remote clock offset: -3.894 ms

# Below is generated by plot.py at 2019-01-17 09:14:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.13 Mbit/s
95th percentile per-packet one-way delay: 15.284 ms
Loss rate: 10.67%
-- Flow 1:
Average throughput: 66.13 Mbit/s
95th percentile per-packet one-way delay: 15.284 ms
Loss rate: 10.67%
```

## Run 1: Report of Indigo — Data Link

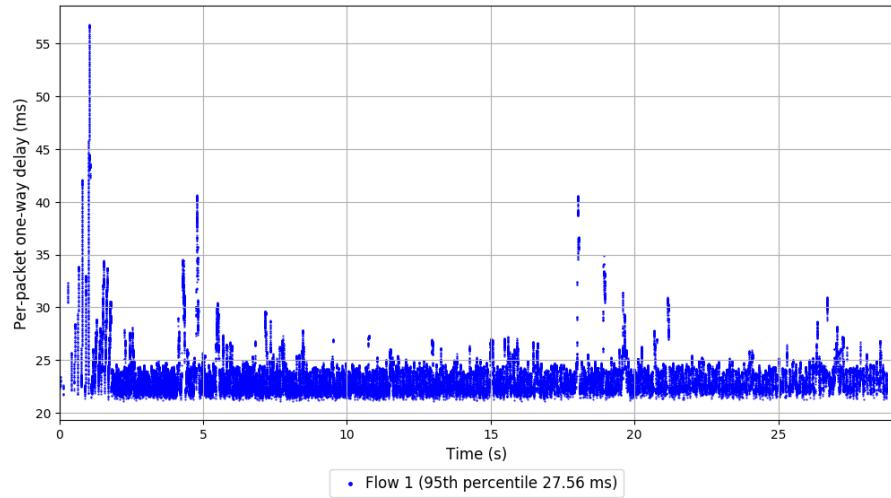
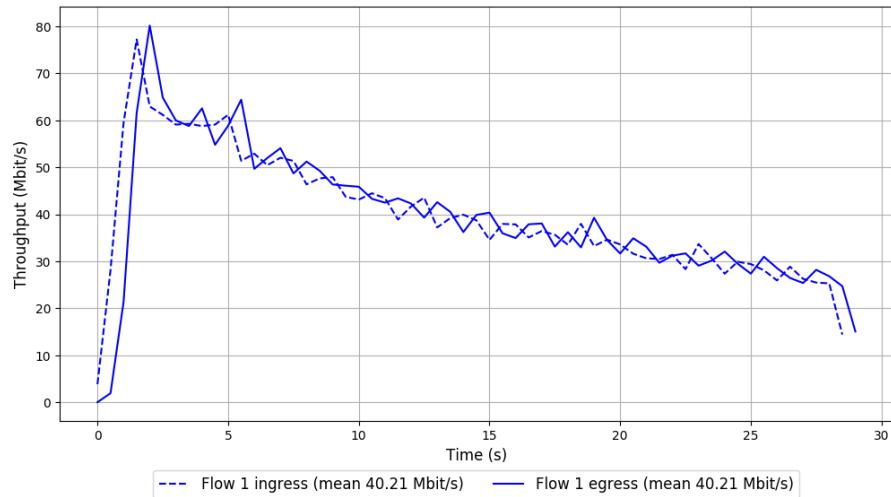


Run 2: Statistics of Indigo

```
Start at: 2019-01-17 07:02:17
End at: 2019-01-17 07:02:47
Local clock offset: 1.247 ms
Remote clock offset: 11.034 ms

# Below is generated by plot.py at 2019-01-17 09:14:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 27.560 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 27.560 ms
Loss rate: 0.01%
```

## Run 2: Report of Indigo — Data Link

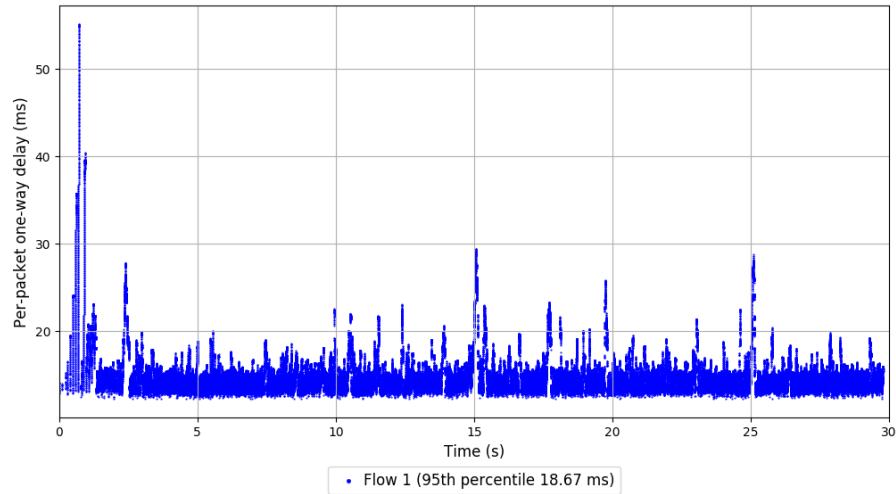
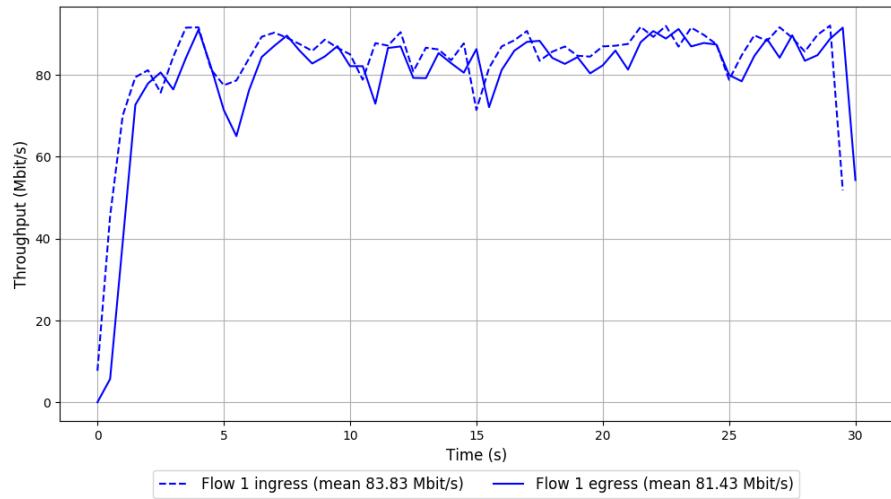


Run 3: Statistics of Indigo

```
Start at: 2019-01-17 07:32:02
End at: 2019-01-17 07:32:32
Local clock offset: 1.786 ms
Remote clock offset: 0.639 ms

# Below is generated by plot.py at 2019-01-17 09:14:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.43 Mbit/s
95th percentile per-packet one-way delay: 18.666 ms
Loss rate: 2.85%
-- Flow 1:
Average throughput: 81.43 Mbit/s
95th percentile per-packet one-way delay: 18.666 ms
Loss rate: 2.85%
```

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

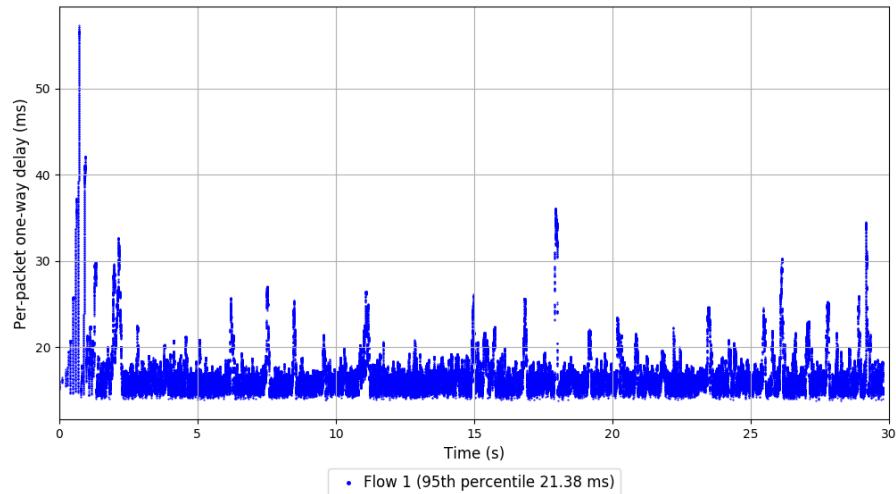
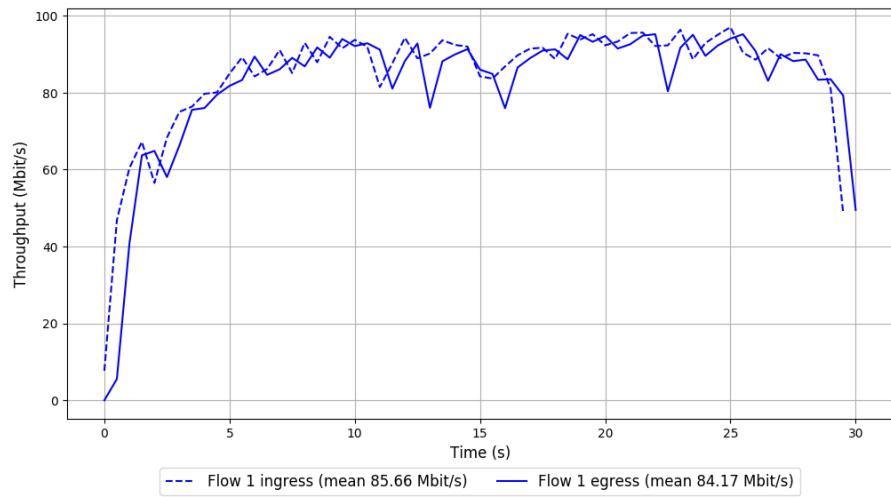


Run 4: Statistics of Indigo

```
Start at: 2019-01-17 07:59:49
End at: 2019-01-17 08:00:19
Local clock offset: -1.139 ms
Remote clock offset: -5.897 ms

# Below is generated by plot.py at 2019-01-17 09:14:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.17 Mbit/s
95th percentile per-packet one-way delay: 21.376 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 84.17 Mbit/s
95th percentile per-packet one-way delay: 21.376 ms
Loss rate: 1.74%
```

## Run 4: Report of Indigo — Data Link

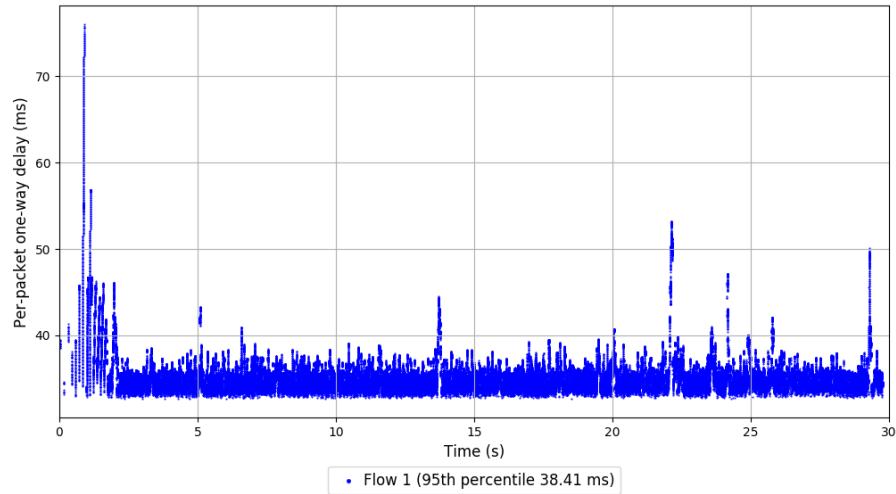
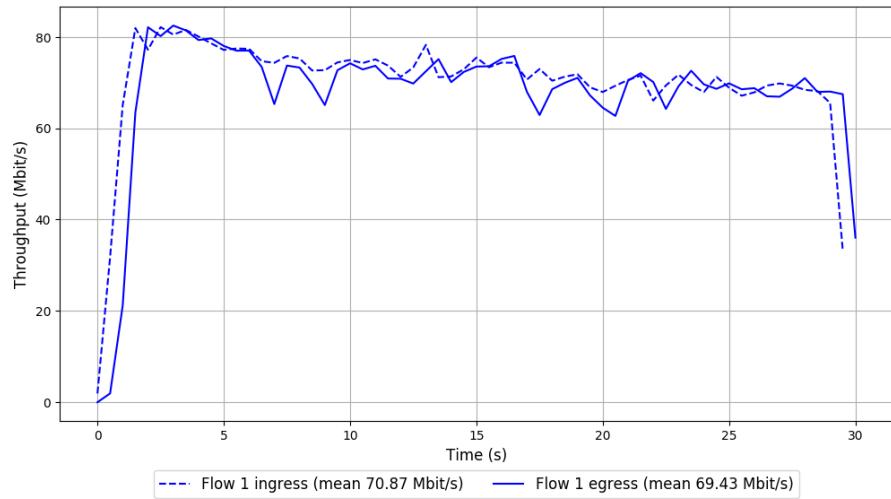


Run 5: Statistics of Indigo

```
Start at: 2019-01-17 08:32:47
End at: 2019-01-17 08:33:17
Local clock offset: 0.25 ms
Remote clock offset: 11.769 ms

# Below is generated by plot.py at 2019-01-17 09:14:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.43 Mbit/s
95th percentile per-packet one-way delay: 38.414 ms
Loss rate: 2.04%
-- Flow 1:
Average throughput: 69.43 Mbit/s
95th percentile per-packet one-way delay: 38.414 ms
Loss rate: 2.04%
```

## Run 5: Report of Indigo — Data Link

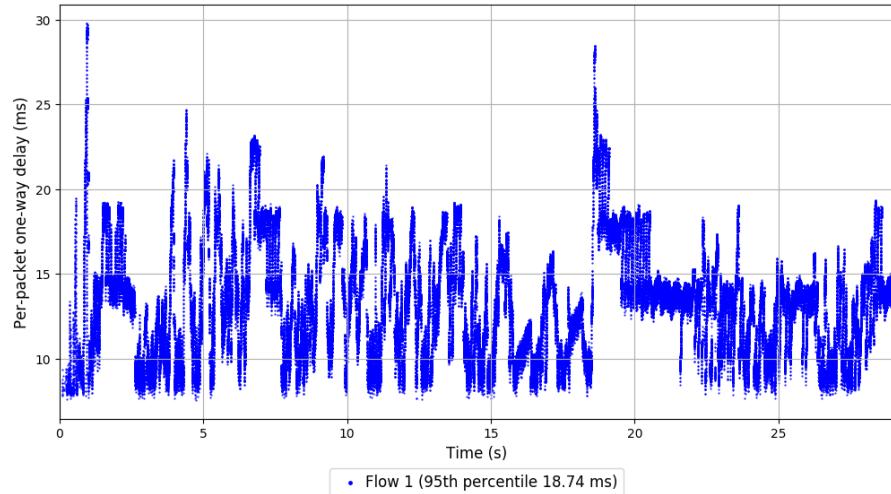
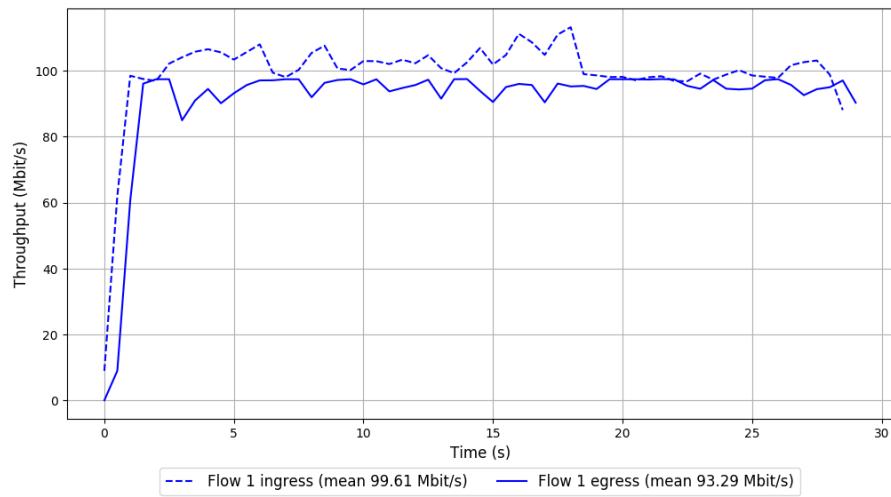


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-01-17 06:38:05
End at: 2019-01-17 06:38:35
Local clock offset: -1.626 ms
Remote clock offset: -3.596 ms

# Below is generated by plot.py at 2019-01-17 09:14:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 18.737 ms
Loss rate: 6.32%
-- Flow 1:
Average throughput: 93.29 Mbit/s
95th percentile per-packet one-way delay: 18.737 ms
Loss rate: 6.32%
```

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

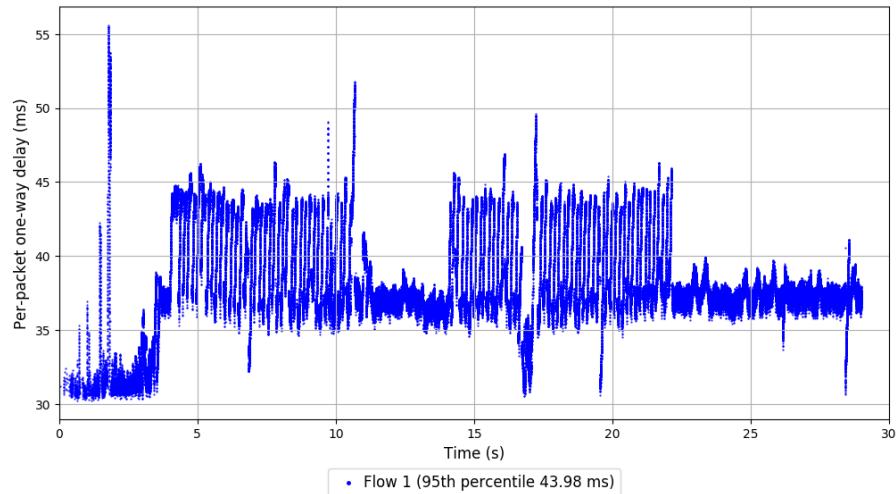
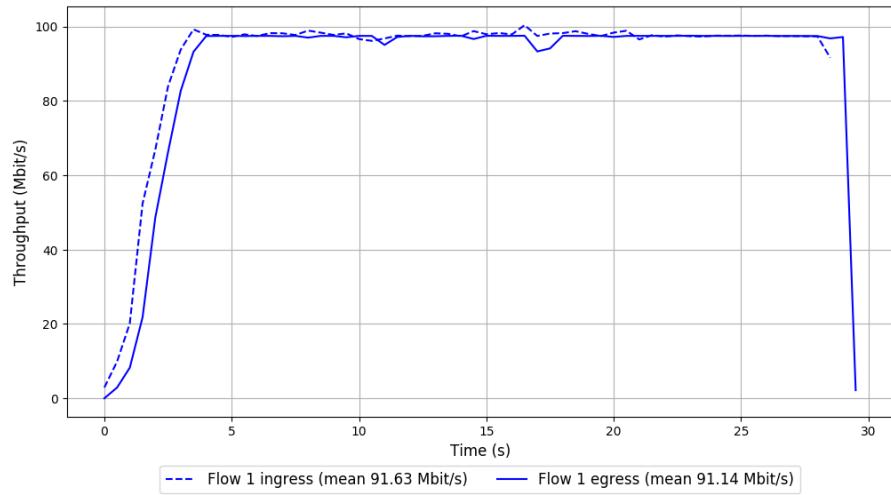


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-01-17 07:08:23
End at: 2019-01-17 07:08:53
Local clock offset: 0.842 ms
Remote clock offset: 19.185 ms

# Below is generated by plot.py at 2019-01-17 09:14:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: 43.985 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: 43.985 ms
Loss rate: 0.51%
```

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

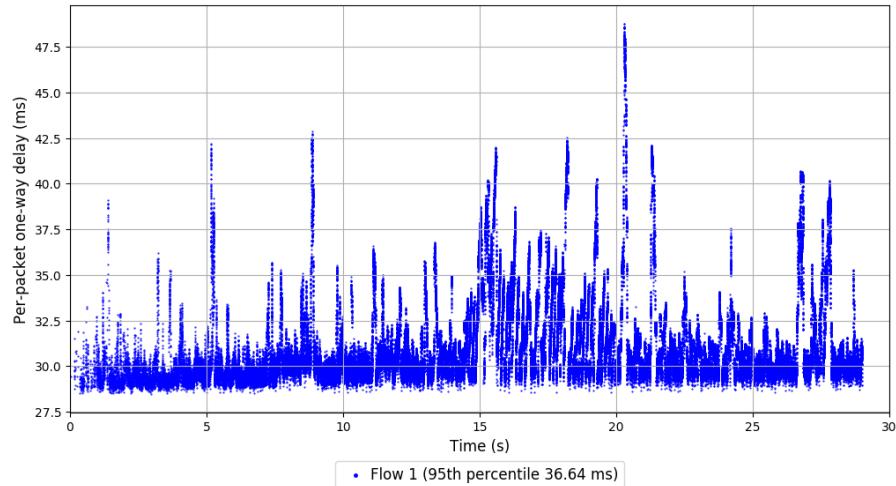
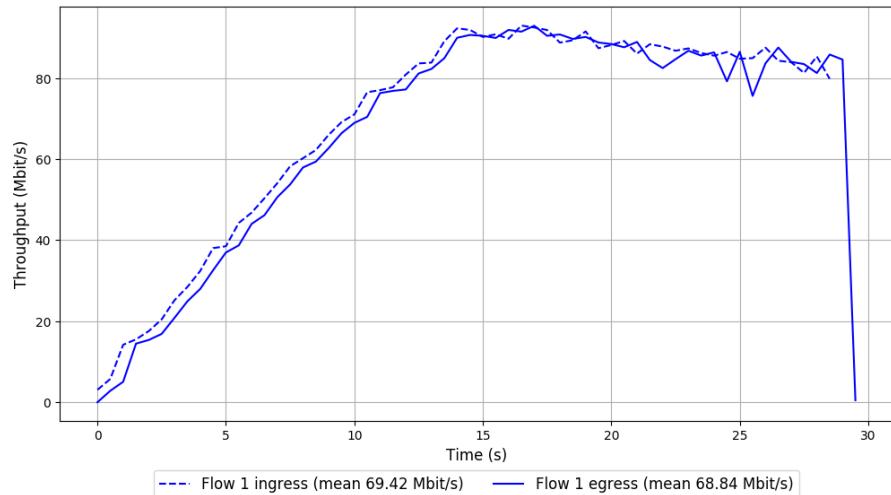


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-01-17 07:37:50
End at: 2019-01-17 07:38:20
Local clock offset: 0.03 ms
Remote clock offset: 13.641 ms

# Below is generated by plot.py at 2019-01-17 09:14:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.84 Mbit/s
95th percentile per-packet one-way delay: 36.642 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 68.84 Mbit/s
95th percentile per-packet one-way delay: 36.642 ms
Loss rate: 0.82%
```

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

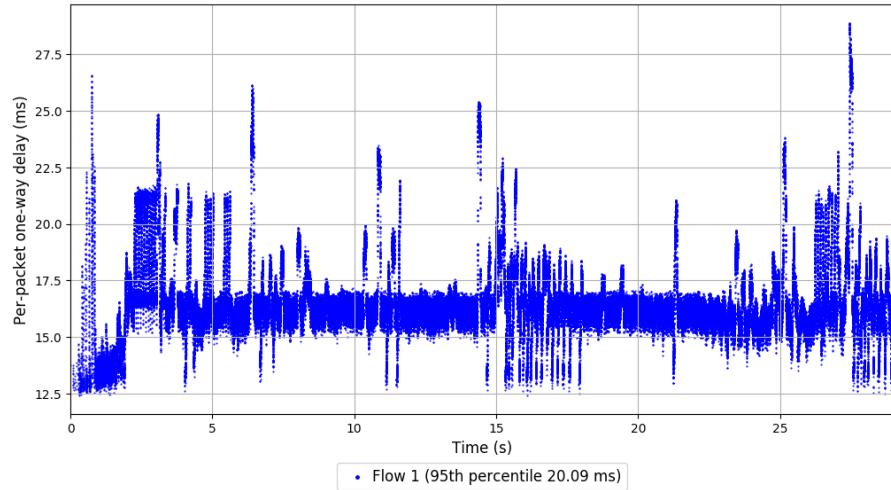
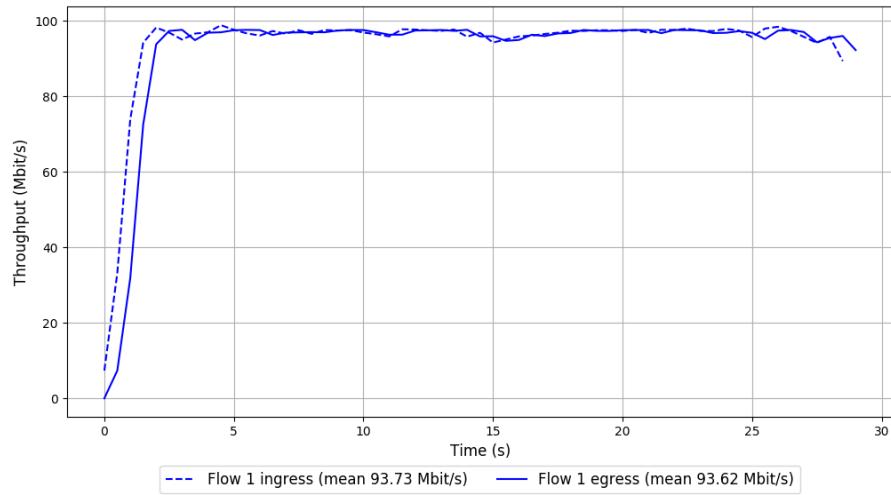


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-01-17 08:05:36
End at: 2019-01-17 08:06:06
Local clock offset: 0.852 ms
Remote clock offset: -5.473 ms

# Below is generated by plot.py at 2019-01-17 09:15:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.62 Mbit/s
95th percentile per-packet one-way delay: 20.093 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 93.62 Mbit/s
95th percentile per-packet one-way delay: 20.093 ms
Loss rate: 0.10%
```

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

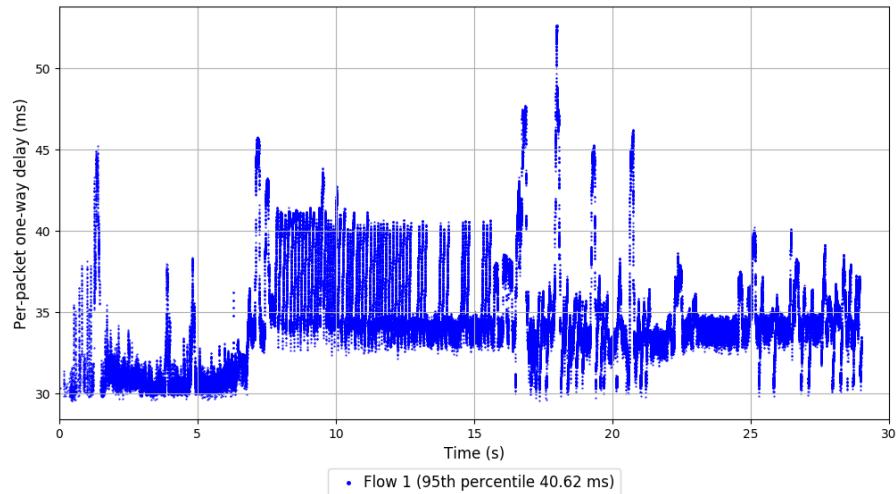
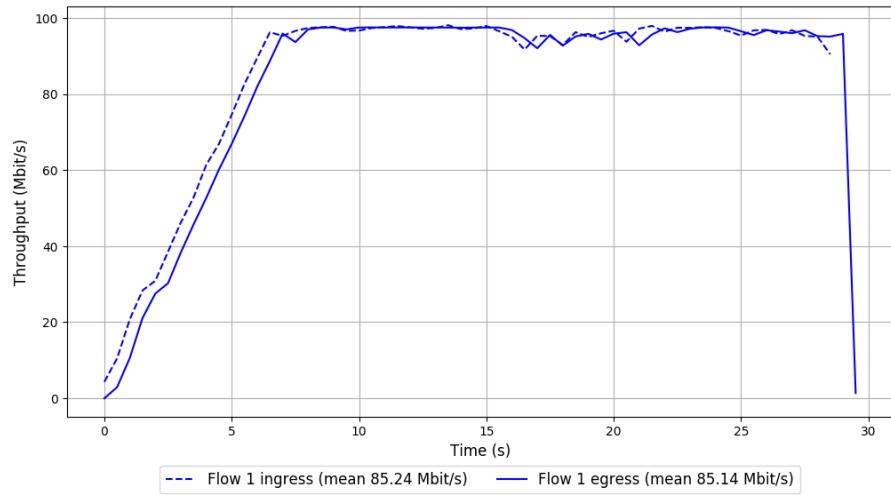


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-01-17 08:44:44
End at: 2019-01-17 08:45:14
Local clock offset: -4.73 ms
Remote clock offset: 1.572 ms

# Below is generated by plot.py at 2019-01-17 09:15:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.14 Mbit/s
95th percentile per-packet one-way delay: 40.615 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 85.14 Mbit/s
95th percentile per-packet one-way delay: 40.615 ms
Loss rate: 0.11%
```

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

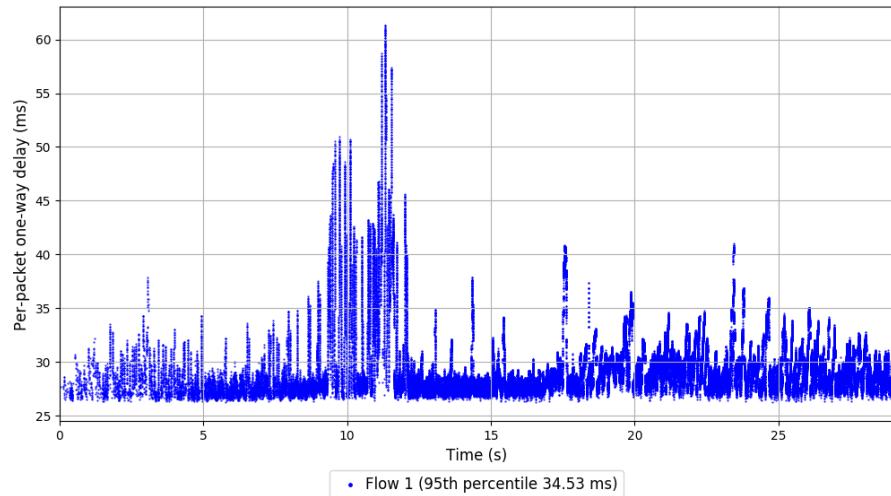
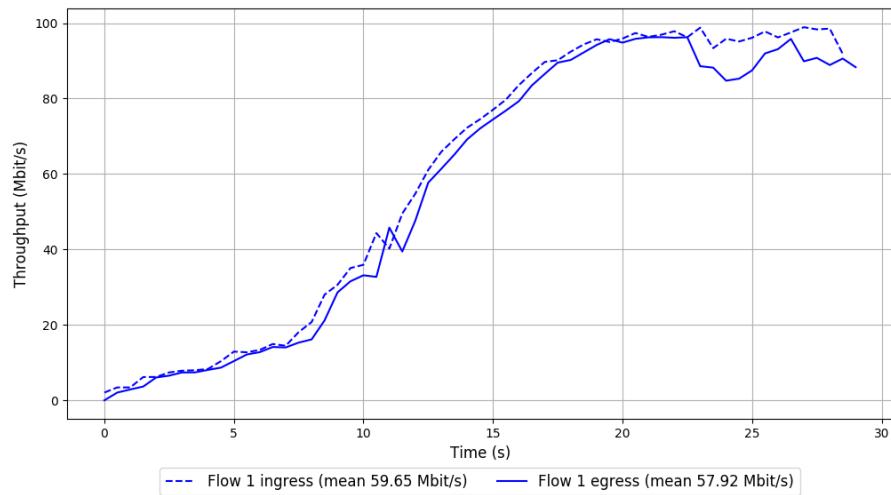


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-01-17 06:42:45
End at: 2019-01-17 06:43:15
Local clock offset: -2.543 ms
Remote clock offset: 14.208 ms

# Below is generated by plot.py at 2019-01-17 09:15:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.92 Mbit/s
95th percentile per-packet one-way delay: 34.533 ms
Loss rate: 2.91%
-- Flow 1:
Average throughput: 57.92 Mbit/s
95th percentile per-packet one-way delay: 34.533 ms
Loss rate: 2.91%
```

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

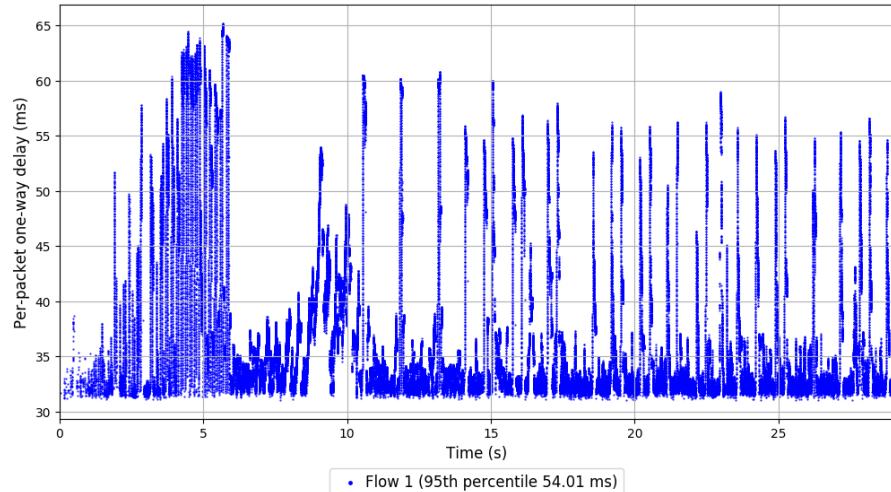
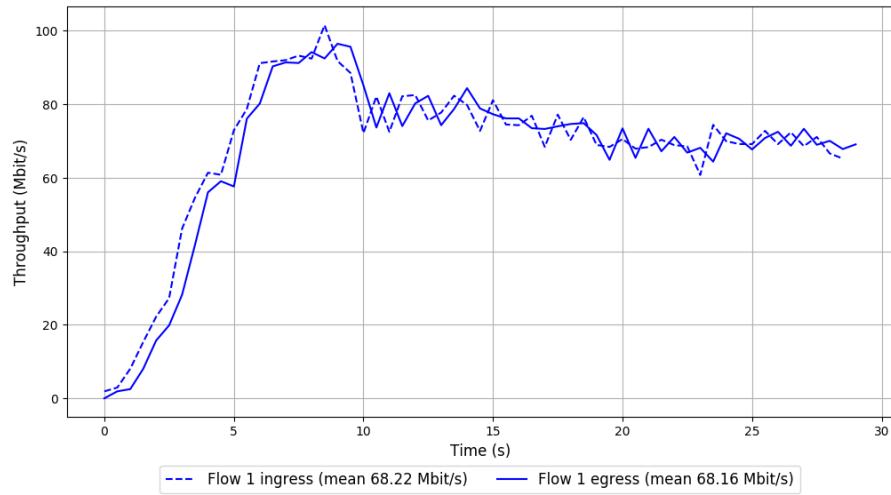


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-01-17 07:12:50
End at: 2019-01-17 07:13:20
Local clock offset: 0.716 ms
Remote clock offset: 19.822 ms

# Below is generated by plot.py at 2019-01-17 09:15:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.16 Mbit/s
95th percentile per-packet one-way delay: 54.013 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 68.16 Mbit/s
95th percentile per-packet one-way delay: 54.013 ms
Loss rate: 0.08%
```

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

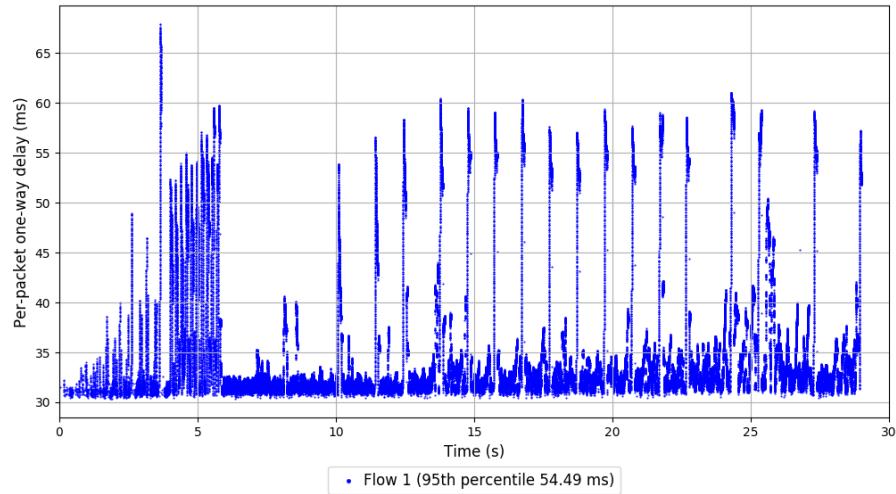
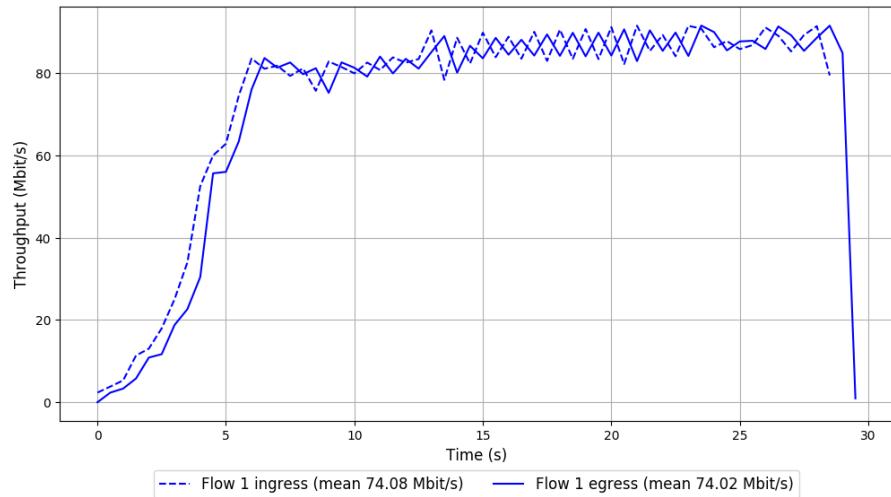


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-01-17 07:43:06
End at: 2019-01-17 07:43:36
Local clock offset: 0.577 ms
Remote clock offset: 14.671 ms

# Below is generated by plot.py at 2019-01-17 09:15:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.02 Mbit/s
95th percentile per-packet one-way delay: 54.492 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 74.02 Mbit/s
95th percentile per-packet one-way delay: 54.492 ms
Loss rate: 0.01%
```

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

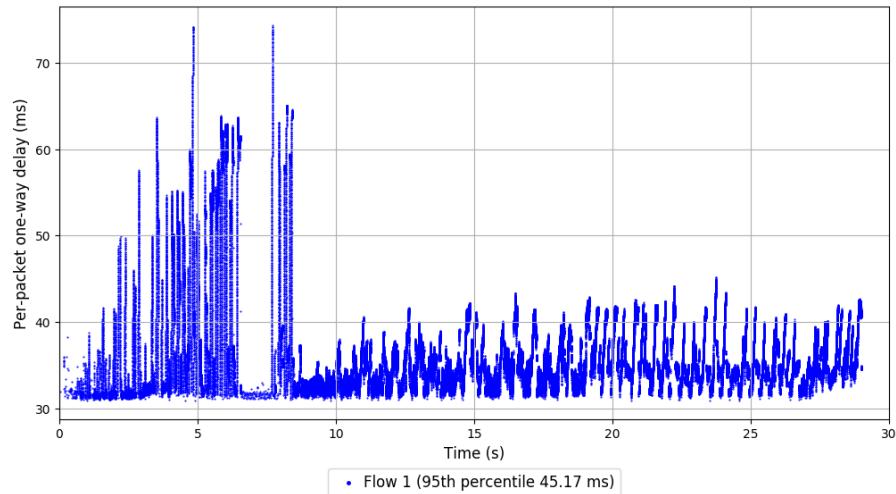
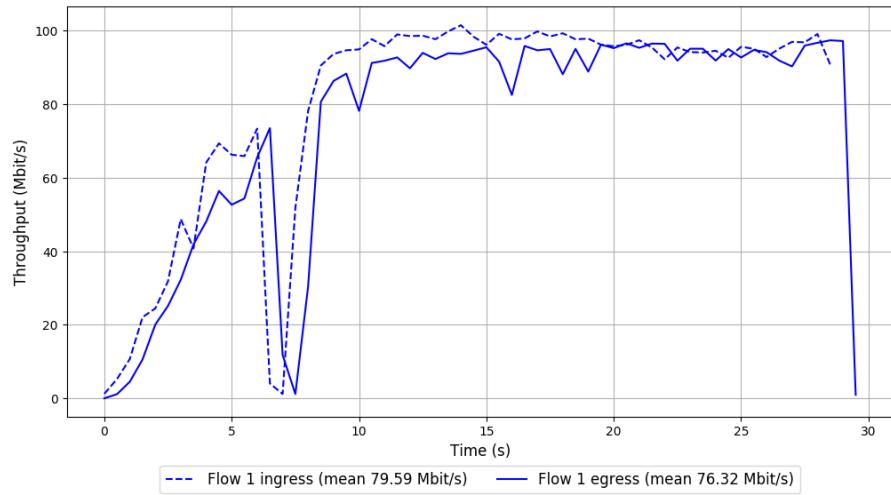


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-01-17 08:09:12
End at: 2019-01-17 08:09:42
Local clock offset: -0.644 ms
Remote clock offset: 12.376 ms

# Below is generated by plot.py at 2019-01-17 09:15:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.32 Mbit/s
95th percentile per-packet one-way delay: 45.171 ms
Loss rate: 4.10%
-- Flow 1:
Average throughput: 76.32 Mbit/s
95th percentile per-packet one-way delay: 45.171 ms
Loss rate: 4.10%
```

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

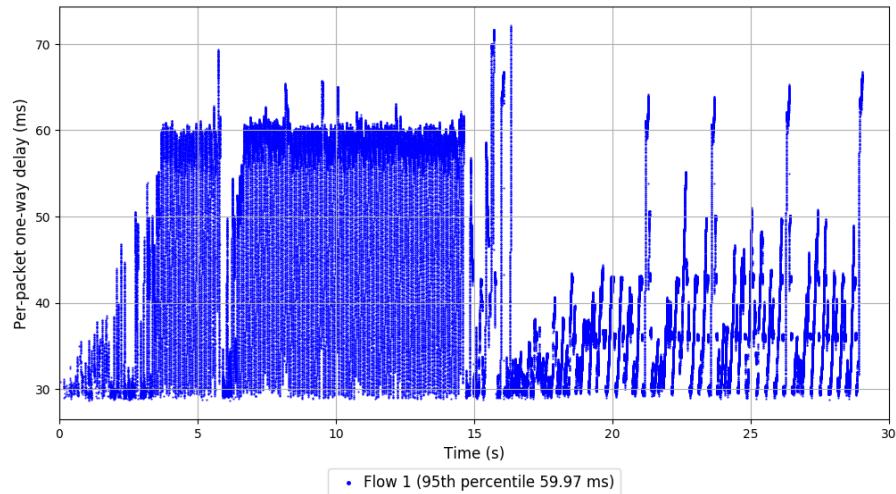
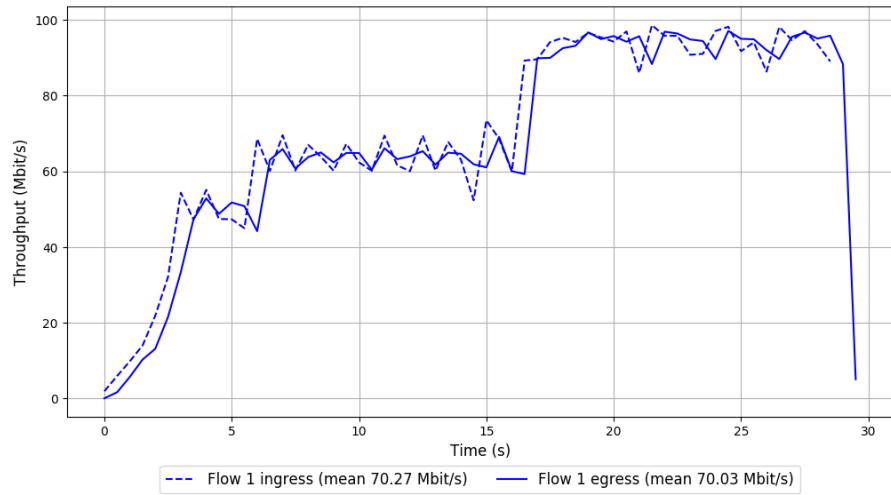


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-01-17 08:52:11
End at: 2019-01-17 08:52:41
Local clock offset: 2.671 ms
Remote clock offset: 7.201 ms

# Below is generated by plot.py at 2019-01-17 09:15:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.03 Mbit/s
95th percentile per-packet one-way delay: 59.969 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 70.03 Mbit/s
95th percentile per-packet one-way delay: 59.969 ms
Loss rate: 0.21%
```

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

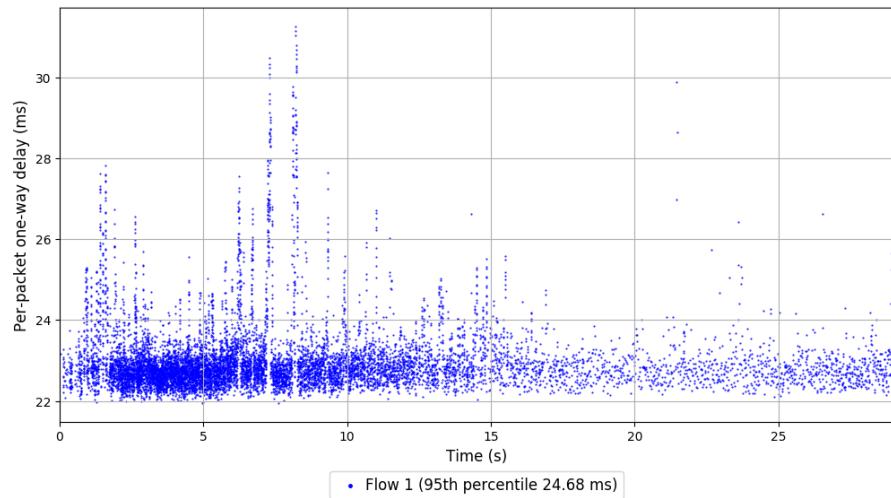
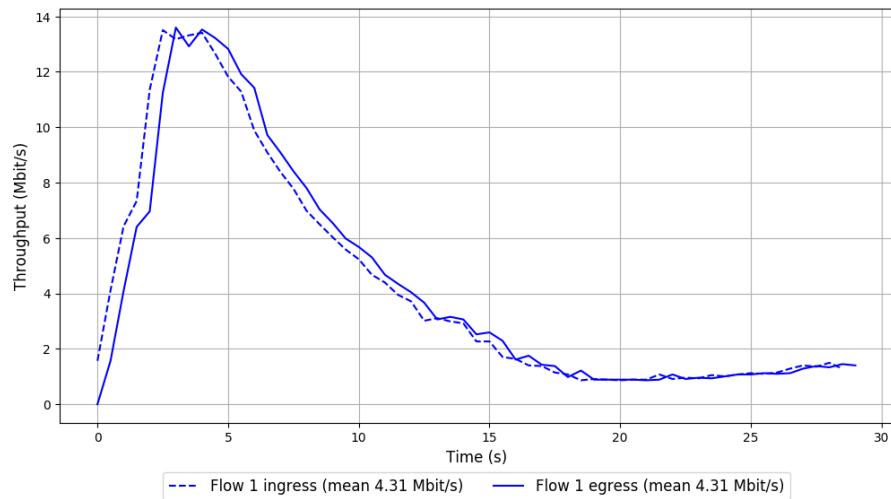


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-01-17 06:59:35
End at: 2019-01-17 07:00:05
Local clock offset: 1.122 ms
Remote clock offset: 11.587 ms

# Below is generated by plot.py at 2019-01-17 09:15:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 24.676 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 4.31 Mbit/s
95th percentile per-packet one-way delay: 24.676 ms
Loss rate: 0.01%
```

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

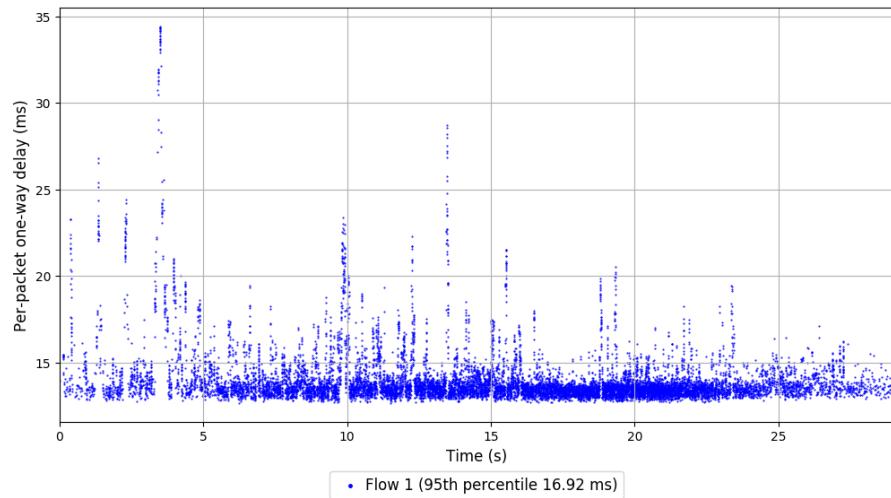
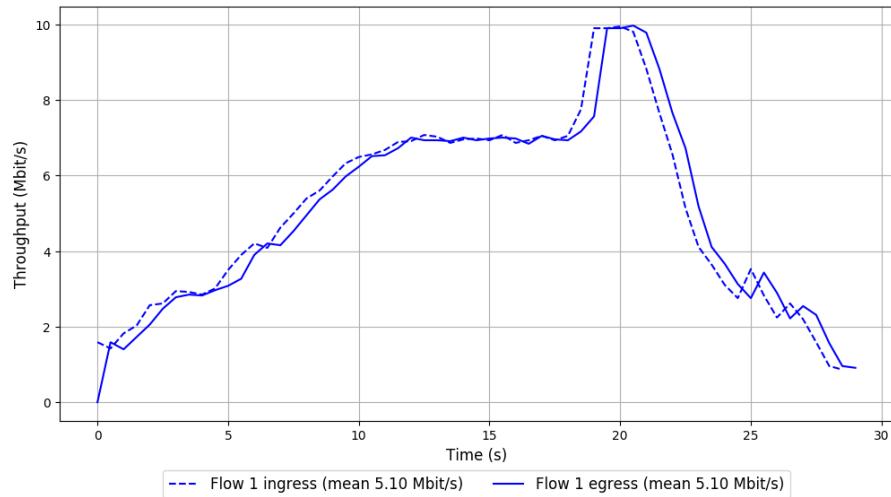


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-01-17 07:29:38
End at: 2019-01-17 07:30:08
Local clock offset: 0.034 ms
Remote clock offset: 0.725 ms

# Below is generated by plot.py at 2019-01-17 09:15:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.10 Mbit/s
95th percentile per-packet one-way delay: 16.920 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 5.10 Mbit/s
95th percentile per-packet one-way delay: 16.920 ms
Loss rate: 0.06%
```

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

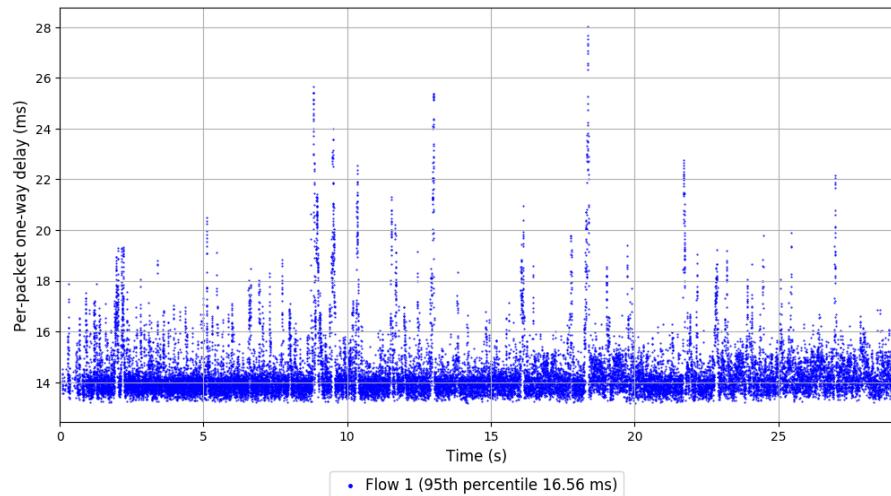
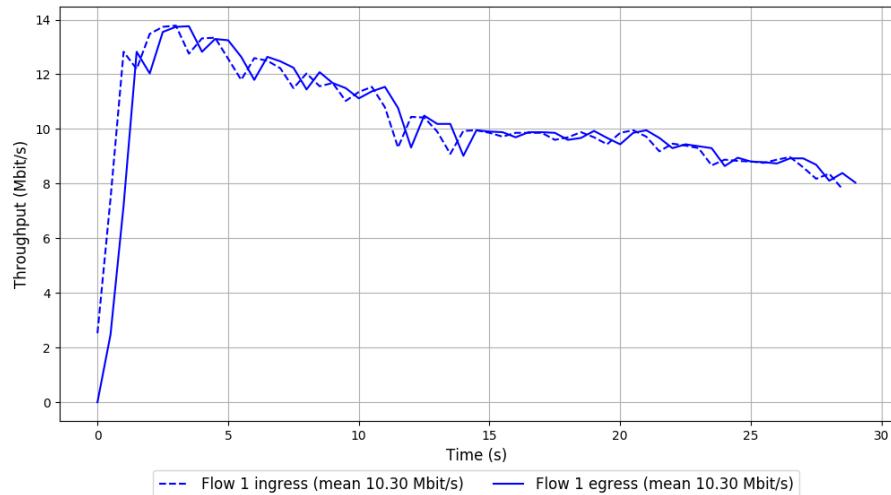


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-01-17 07:57:32
End at: 2019-01-17 07:58:02
Local clock offset: -1.66 ms
Remote clock offset: -6.28 ms

# Below is generated by plot.py at 2019-01-17 09:15:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.30 Mbit/s
95th percentile per-packet one-way delay: 16.558 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.30 Mbit/s
95th percentile per-packet one-way delay: 16.558 ms
Loss rate: 0.00%
```

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

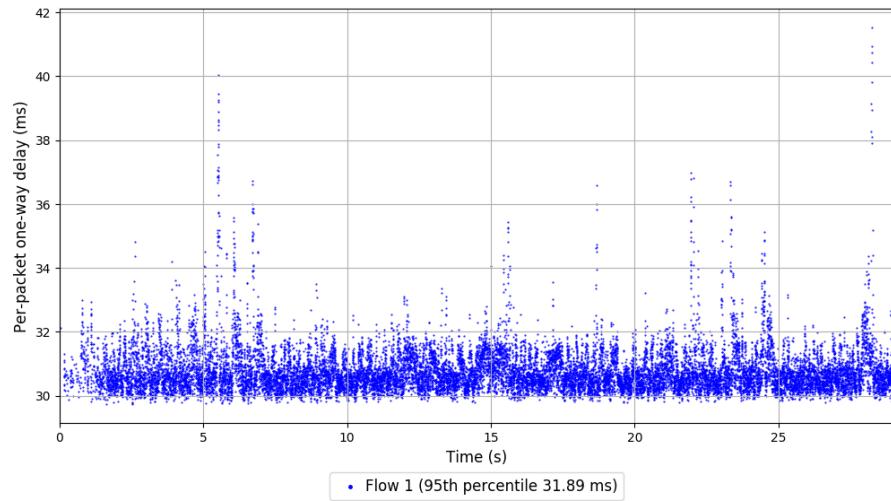
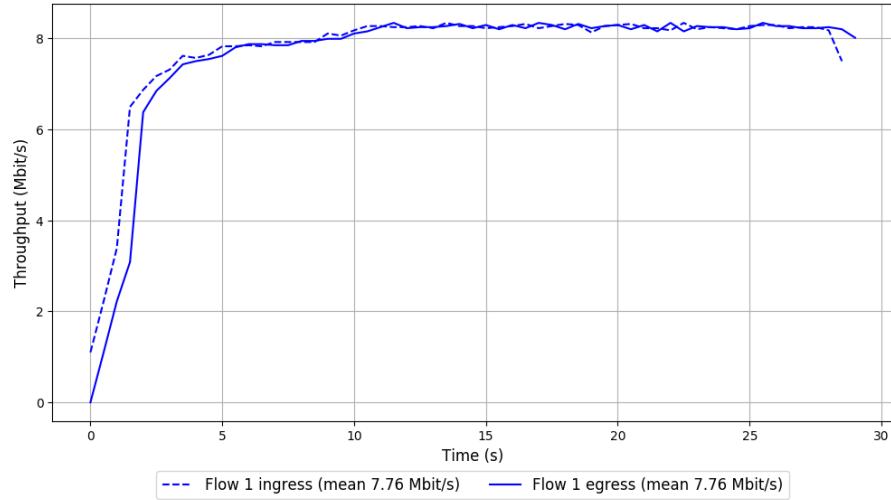


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-01-17 08:29:10
End at: 2019-01-17 08:29:40
Local clock offset: 2.488 ms
Remote clock offset: 11.83 ms

# Below is generated by plot.py at 2019-01-17 09:15:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.76 Mbit/s
95th percentile per-packet one-way delay: 31.894 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.76 Mbit/s
95th percentile per-packet one-way delay: 31.894 ms
Loss rate: 0.00%
```

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

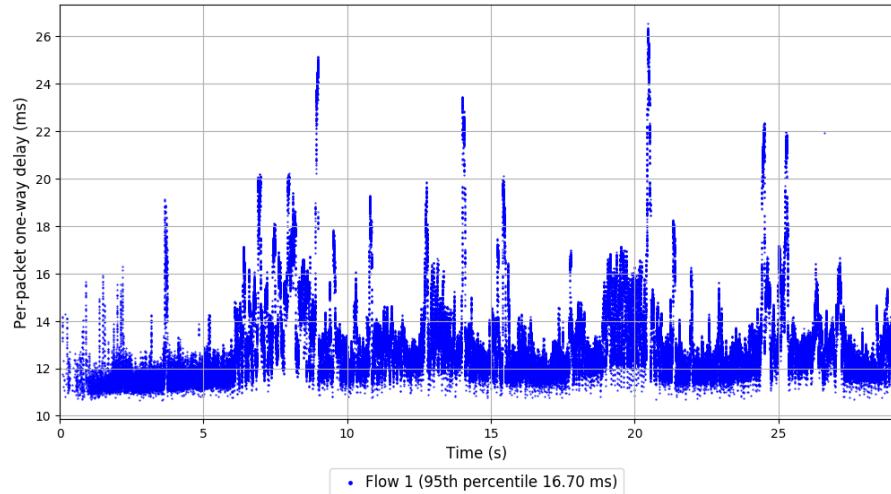
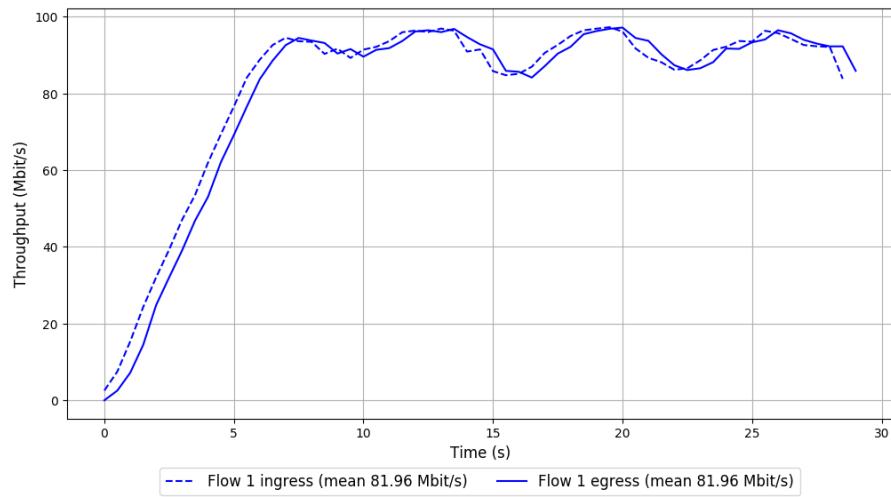


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-01-17 09:08:02
End at: 2019-01-17 09:08:32
Local clock offset: -0.818 ms
Remote clock offset: -16.46 ms

# Below is generated by plot.py at 2019-01-17 09:15:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.96 Mbit/s
95th percentile per-packet one-way delay: 16.703 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 81.96 Mbit/s
95th percentile per-packet one-way delay: 16.703 ms
Loss rate: 0.00%
```

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

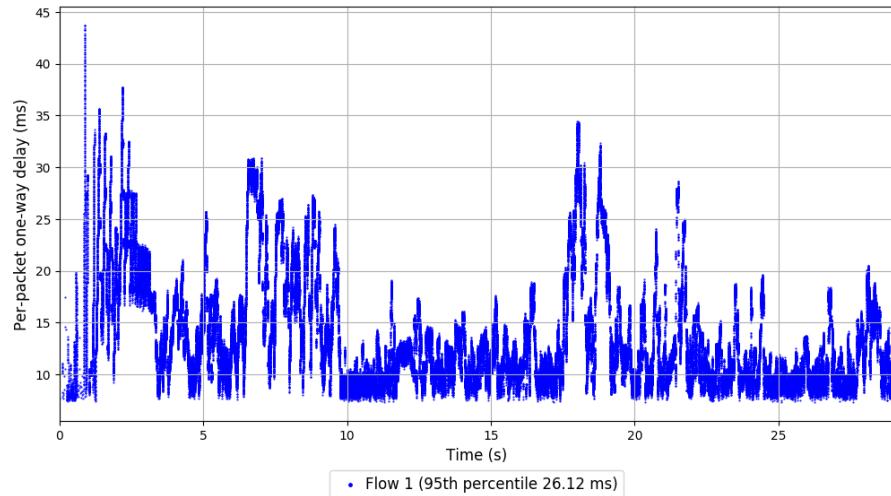
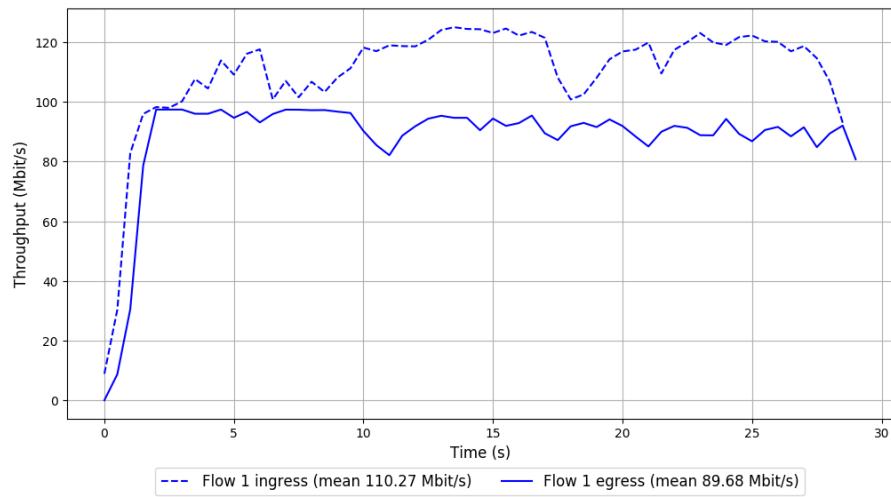


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-01-17 06:33:59
End at: 2019-01-17 06:34:30
Local clock offset: -2.572 ms
Remote clock offset: -5.288 ms

# Below is generated by plot.py at 2019-01-17 09:16:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.68 Mbit/s
95th percentile per-packet one-way delay: 26.116 ms
Loss rate: 18.67%
-- Flow 1:
Average throughput: 89.68 Mbit/s
95th percentile per-packet one-way delay: 26.116 ms
Loss rate: 18.67%
```

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

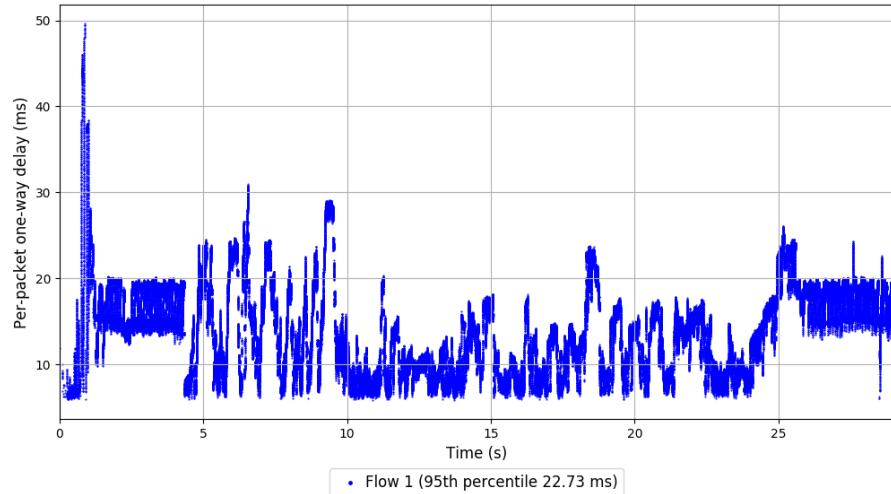
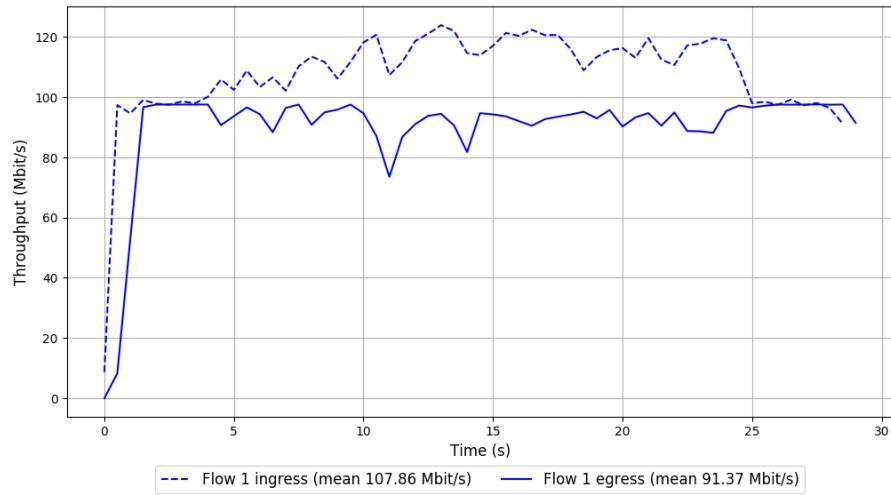


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-01-17 07:04:53
End at: 2019-01-17 07:05:23
Local clock offset: 2.658 ms
Remote clock offset: -3.336 ms

# Below is generated by plot.py at 2019-01-17 09:16:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 22.732 ms
Loss rate: 15.28%
-- Flow 1:
Average throughput: 91.37 Mbit/s
95th percentile per-packet one-way delay: 22.732 ms
Loss rate: 15.28%
```

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

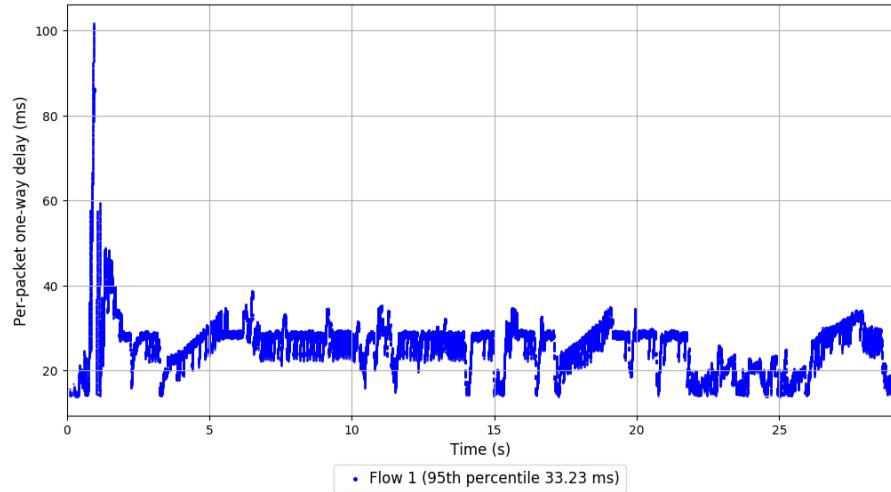
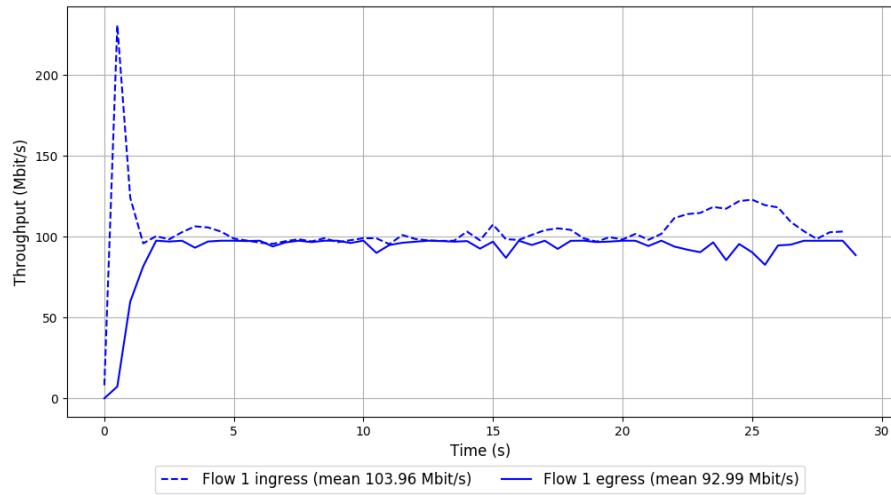


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-01-17 07:34:23
End at: 2019-01-17 07:34:53
Local clock offset: -0.032 ms
Remote clock offset: 0.266 ms

# Below is generated by plot.py at 2019-01-17 09:16:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.99 Mbit/s
95th percentile per-packet one-way delay: 33.227 ms
Loss rate: 10.55%
-- Flow 1:
Average throughput: 92.99 Mbit/s
95th percentile per-packet one-way delay: 33.227 ms
Loss rate: 10.55%
```

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

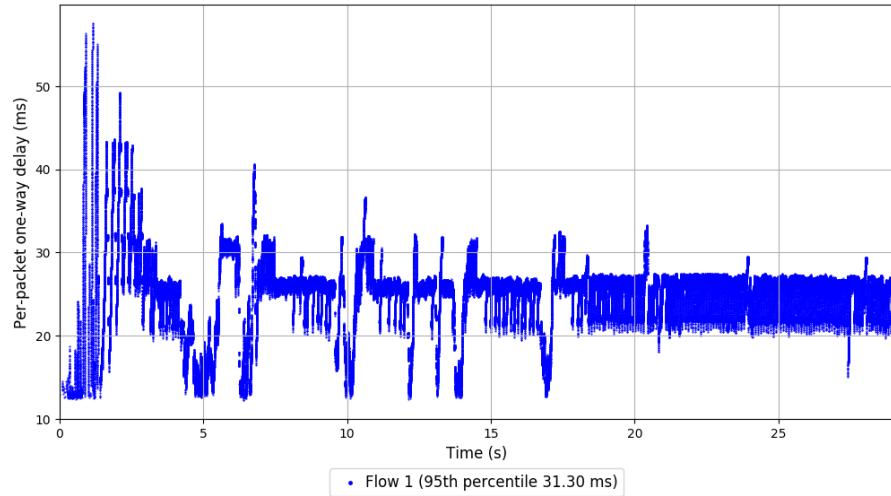
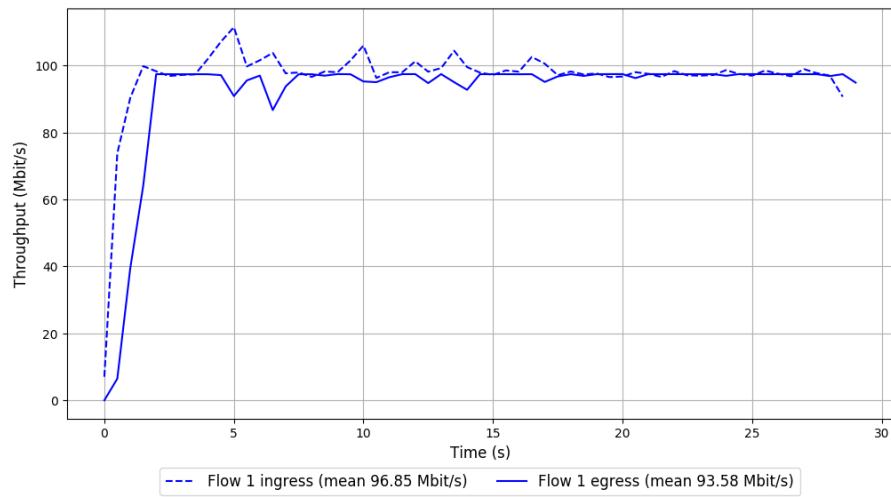


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-01-17 08:02:09
End at: 2019-01-17 08:02:39
Local clock offset: 0.334 ms
Remote clock offset: -6.095 ms

# Below is generated by plot.py at 2019-01-17 09:16:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.58 Mbit/s
95th percentile per-packet one-way delay: 31.298 ms
Loss rate: 3.33%
-- Flow 1:
Average throughput: 93.58 Mbit/s
95th percentile per-packet one-way delay: 31.298 ms
Loss rate: 3.33%
```

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

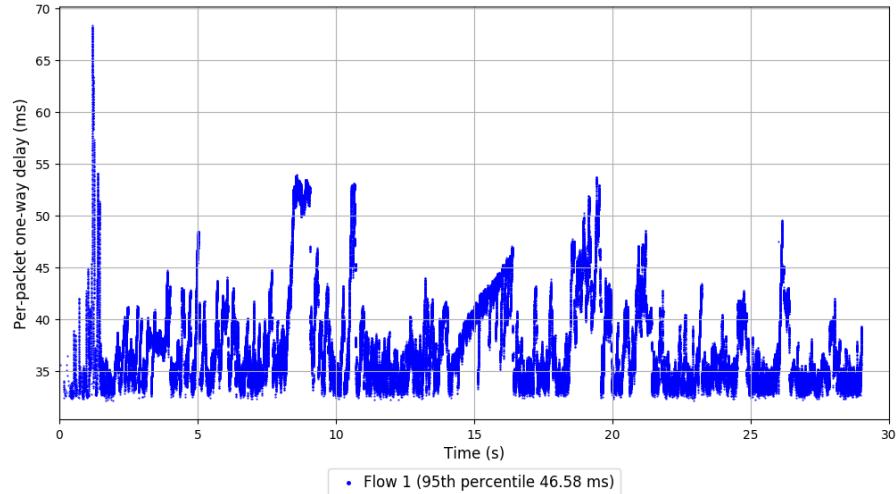
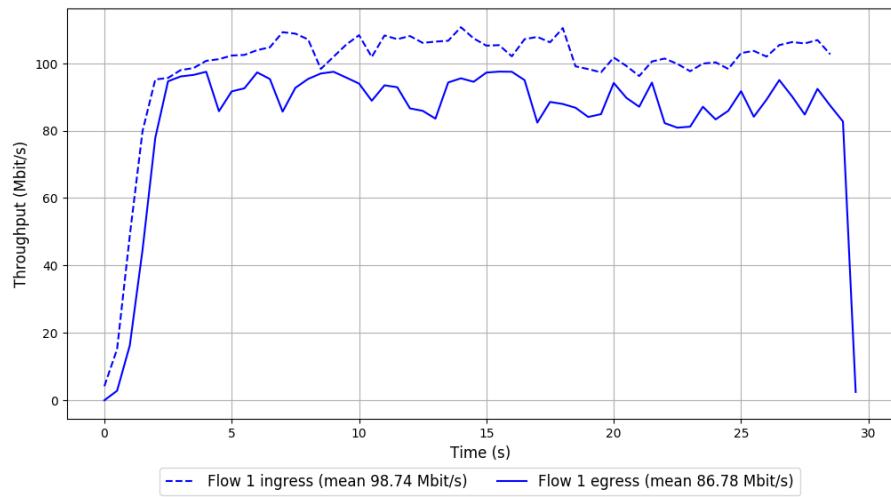


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-01-17 08:37:27
End at: 2019-01-17 08:37:57
Local clock offset: -1.208 ms
Remote clock offset: 9.702 ms

# Below is generated by plot.py at 2019-01-17 09:16:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.78 Mbit/s
95th percentile per-packet one-way delay: 46.583 ms
Loss rate: 12.09%
-- Flow 1:
Average throughput: 86.78 Mbit/s
95th percentile per-packet one-way delay: 46.583 ms
Loss rate: 12.09%
```

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

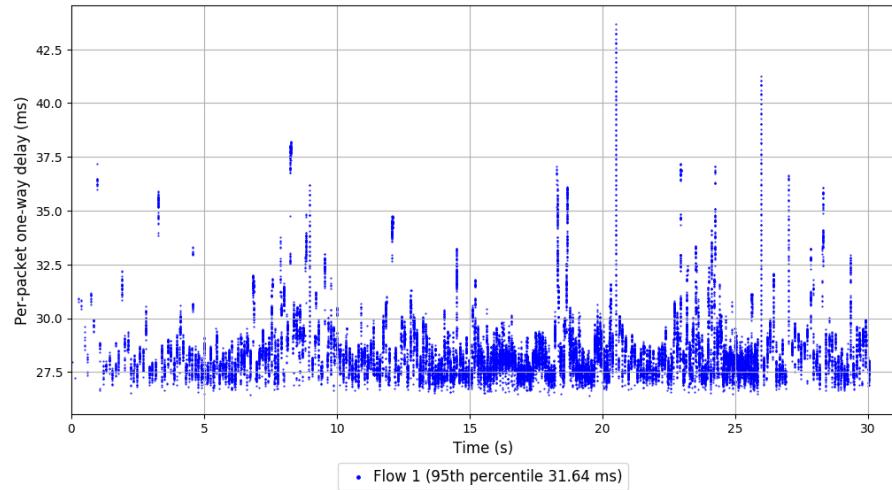
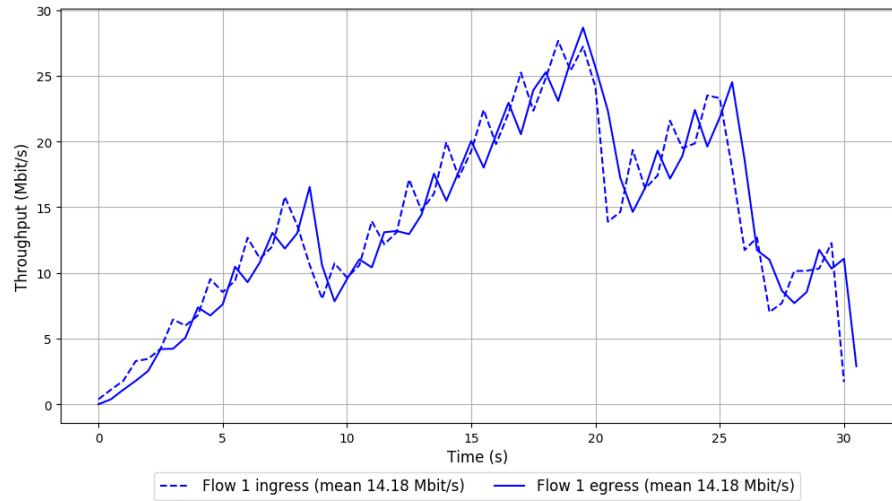


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2019-01-17 06:45:26
End at: 2019-01-17 06:45:56
Local clock offset: -3.705 ms
Remote clock offset: 13.536 ms

# Below is generated by plot.py at 2019-01-17 09:16:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.18 Mbit/s
95th percentile per-packet one-way delay: 31.644 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 14.18 Mbit/s
95th percentile per-packet one-way delay: 31.644 ms
Loss rate: 0.02%
```

## Run 1: Report of LEDBAT — Data Link

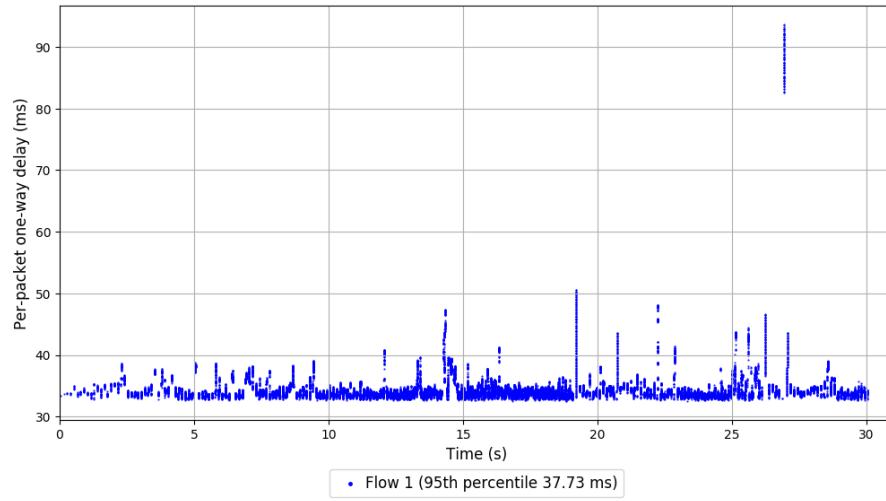
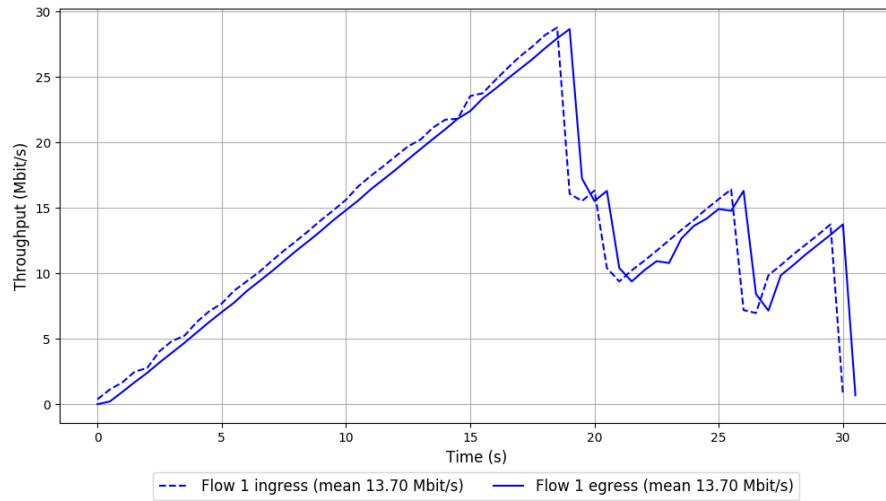


Run 2: Statistics of LEDBAT

```
Start at: 2019-01-17 07:14:52
End at: 2019-01-17 07:15:22
Local clock offset: -0.455 ms
Remote clock offset: 20.092 ms

# Below is generated by plot.py at 2019-01-17 09:16:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.70 Mbit/s
95th percentile per-packet one-way delay: 37.735 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 13.70 Mbit/s
95th percentile per-packet one-way delay: 37.735 ms
Loss rate: 0.01%
```

## Run 2: Report of LEDBAT — Data Link

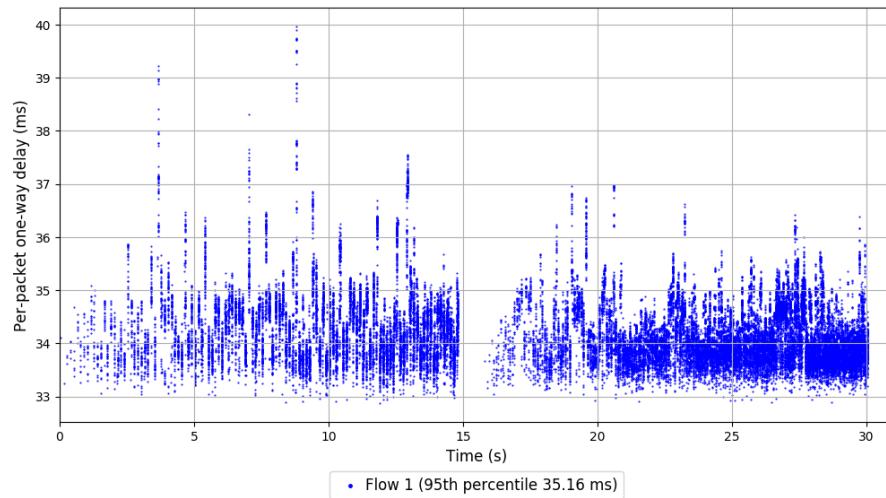
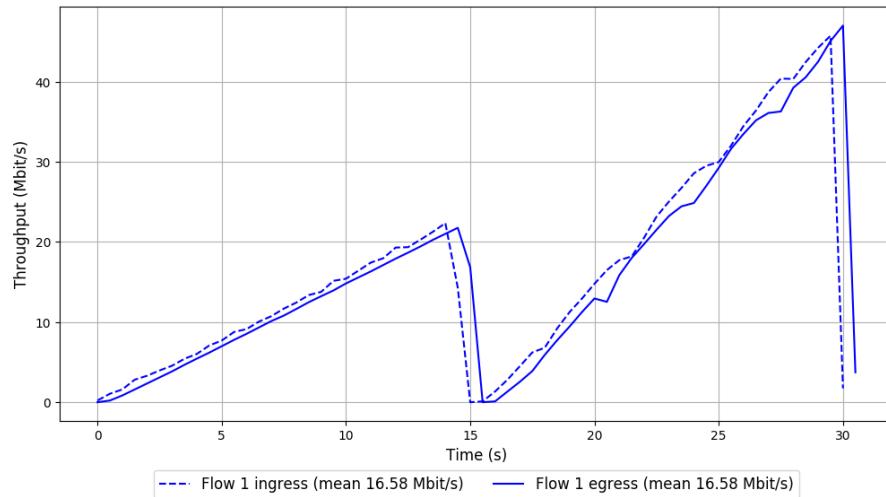


Run 3: Statistics of LEDBAT

```
Start at: 2019-01-17 07:45:12
End at: 2019-01-17 07:45:42
Local clock offset: -0.692 ms
Remote clock offset: 15.467 ms

# Below is generated by plot.py at 2019-01-17 09:16:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.58 Mbit/s
95th percentile per-packet one-way delay: 35.164 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.58 Mbit/s
95th percentile per-packet one-way delay: 35.164 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

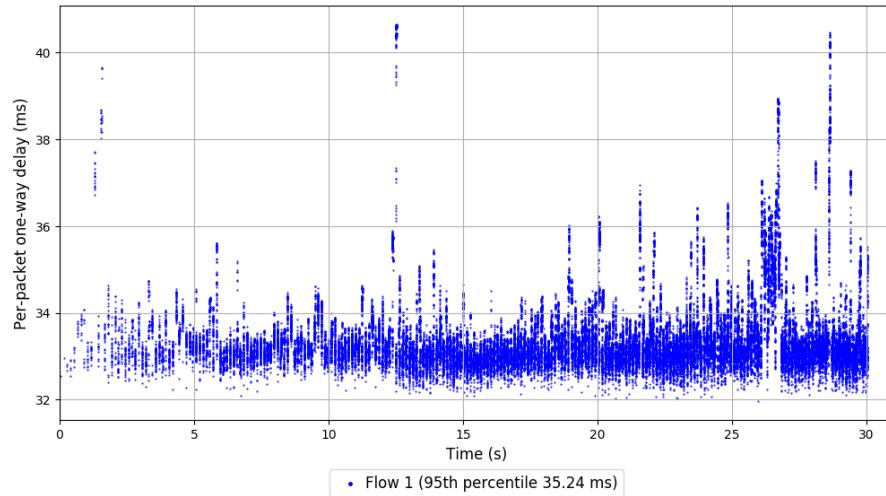
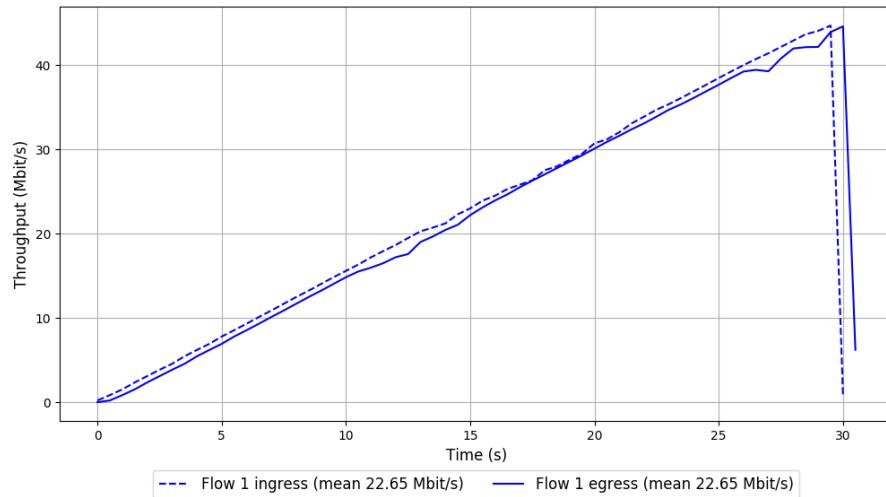


Run 4: Statistics of LEDBAT

```
Start at: 2019-01-17 08:12:26
End at: 2019-01-17 08:12:56
Local clock offset: -2.064 ms
Remote clock offset: 11.989 ms

# Below is generated by plot.py at 2019-01-17 09:16:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.65 Mbit/s
95th percentile per-packet one-way delay: 35.244 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 22.65 Mbit/s
95th percentile per-packet one-way delay: 35.244 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

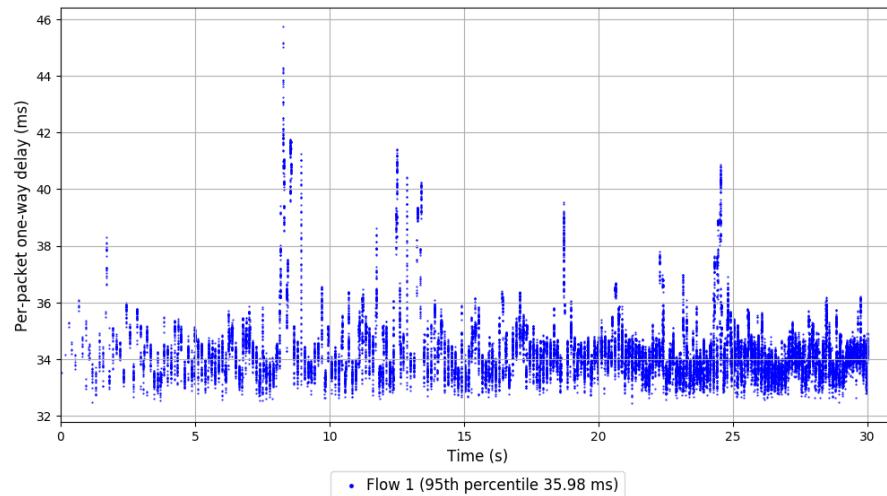
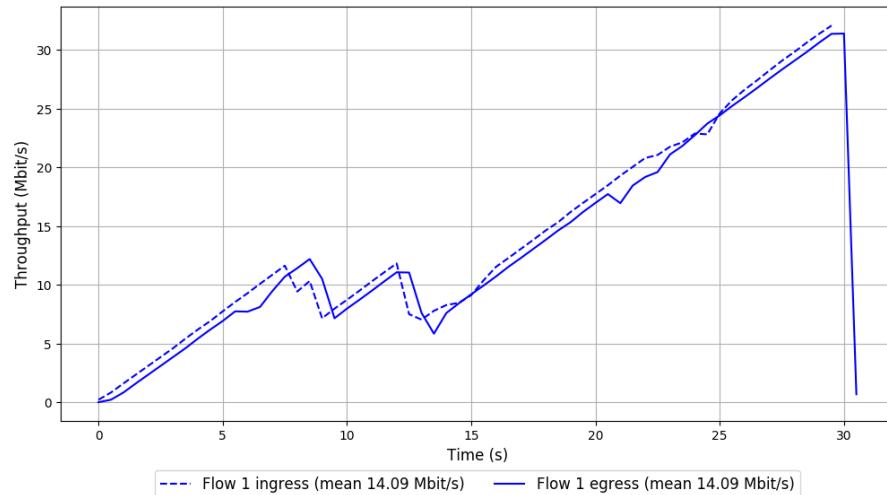


Run 5: Statistics of LEDBAT

```
Start at: 2019-01-17 08:54:57
End at: 2019-01-17 08:55:27
Local clock offset: -1.113 ms
Remote clock offset: 6.761 ms

# Below is generated by plot.py at 2019-01-17 09:16:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.09 Mbit/s
95th percentile per-packet one-way delay: 35.983 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 14.09 Mbit/s
95th percentile per-packet one-way delay: 35.983 ms
Loss rate: 0.01%
```

Run 5: Report of LEDBAT — Data Link

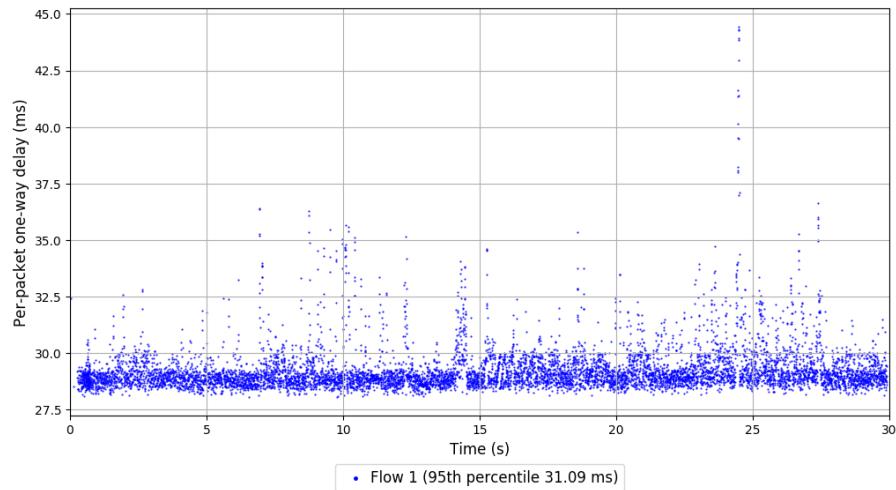
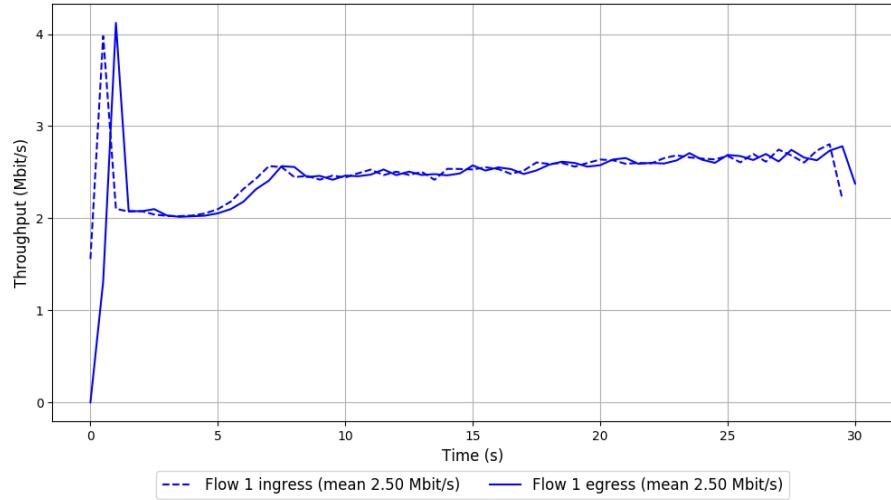


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-01-17 06:55:44
End at: 2019-01-17 06:56:14
Local clock offset: -2.447 ms
Remote clock offset: 14.859 ms

# Below is generated by plot.py at 2019-01-17 09:16:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.50 Mbit/s
95th percentile per-packet one-way delay: 31.091 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.50 Mbit/s
95th percentile per-packet one-way delay: 31.091 ms
Loss rate: 0.00%
```

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

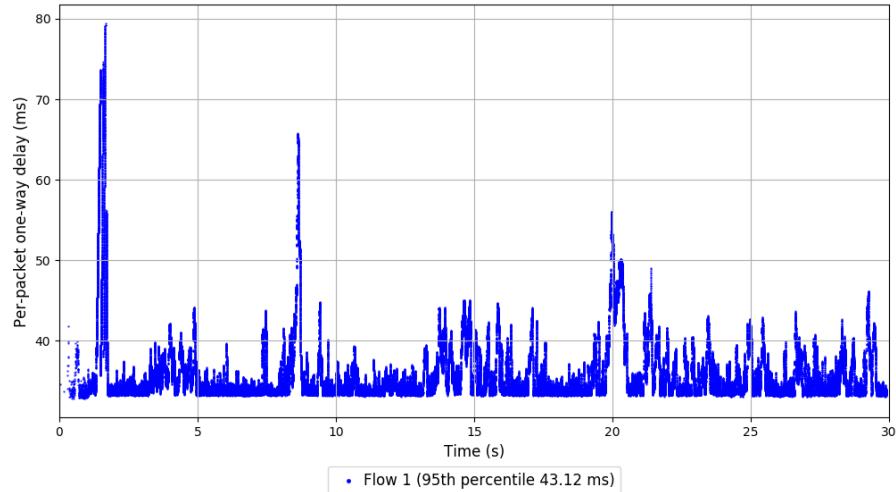
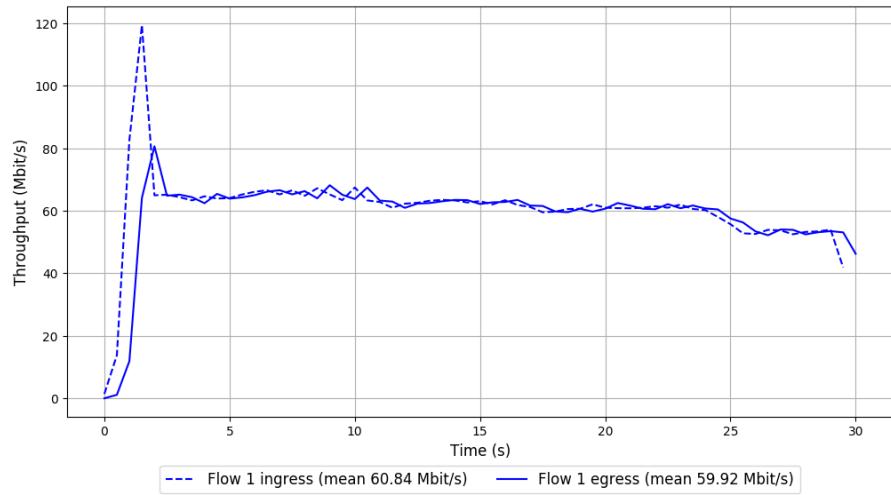


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-01-17 07:25:10
End at: 2019-01-17 07:25:40
Local clock offset: -1.273 ms
Remote clock offset: 19.711 ms

# Below is generated by plot.py at 2019-01-17 09:16:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.92 Mbit/s
95th percentile per-packet one-way delay: 43.122 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 59.92 Mbit/s
95th percentile per-packet one-way delay: 43.122 ms
Loss rate: 1.52%
```

Run 2: Report of PCC-Allegro — Data Link

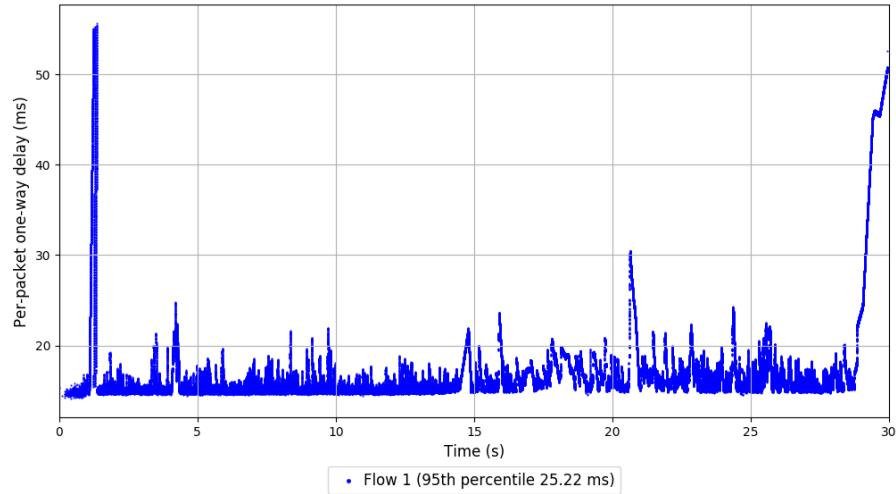
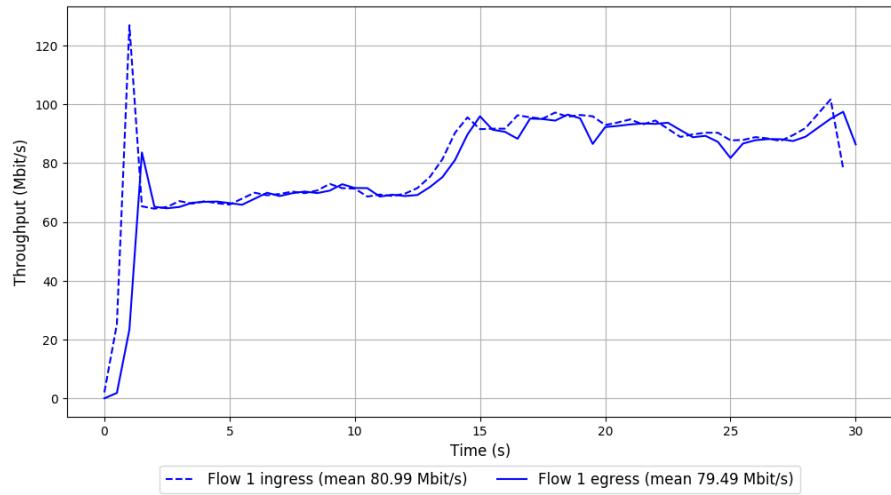


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-01-17 07:54:05
End at: 2019-01-17 07:54:35
Local clock offset: -1.077 ms
Remote clock offset: -5.1 ms

# Below is generated by plot.py at 2019-01-17 09:17:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.49 Mbit/s
95th percentile per-packet one-way delay: 25.221 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 79.49 Mbit/s
95th percentile per-packet one-way delay: 25.221 ms
Loss rate: 1.73%
```

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

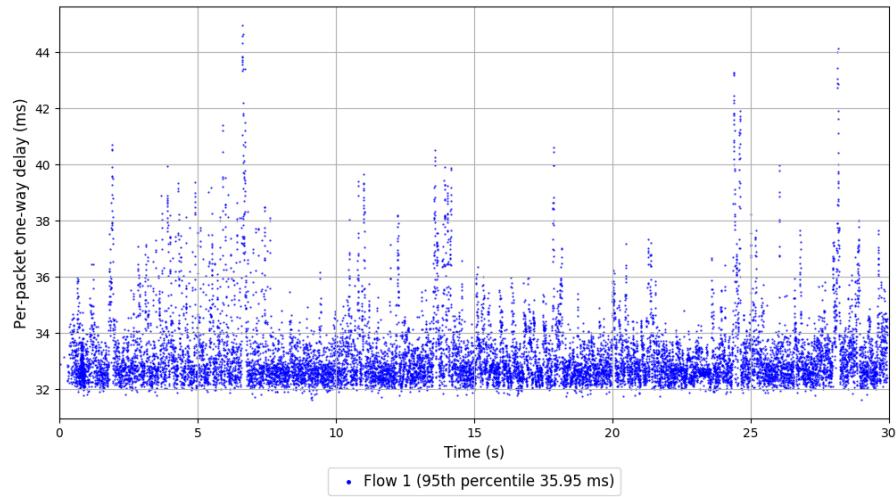
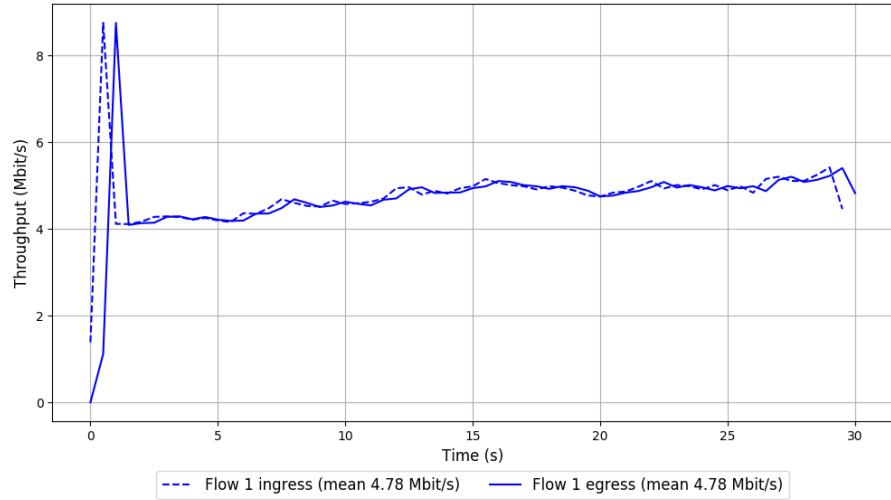


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-01-17 08:24:44
End at: 2019-01-17 08:25:14
Local clock offset: -0.329 ms
Remote clock offset: 11.979 ms

# Below is generated by plot.py at 2019-01-17 09:17:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 35.945 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.78 Mbit/s
95th percentile per-packet one-way delay: 35.945 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Allegro — Data Link

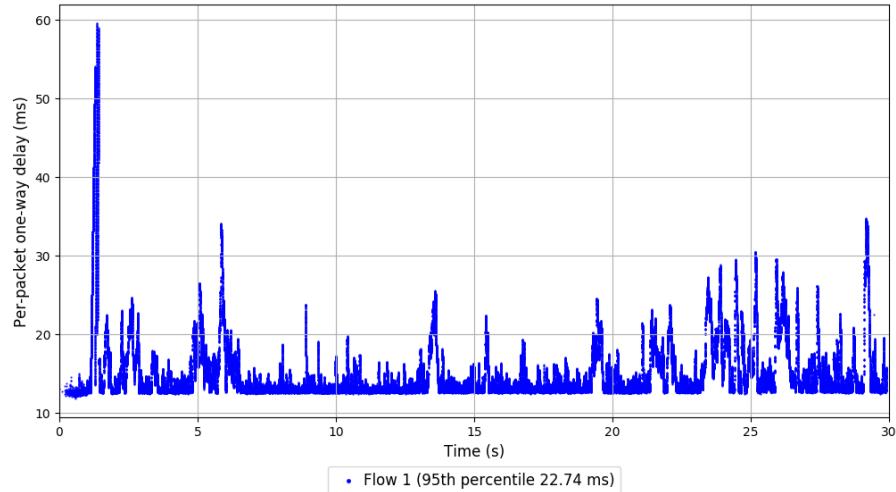
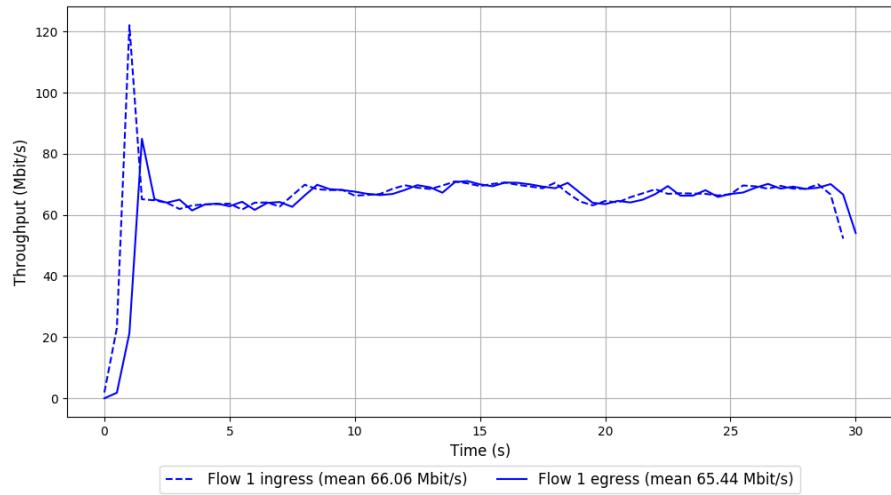


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-01-17 09:04:40
End at: 2019-01-17 09:05:10
Local clock offset: 0.491 ms
Remote clock offset: -12.161 ms

# Below is generated by plot.py at 2019-01-17 09:17:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.44 Mbit/s
95th percentile per-packet one-way delay: 22.740 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 65.44 Mbit/s
95th percentile per-packet one-way delay: 22.740 ms
Loss rate: 0.94%
```

Run 5: Report of PCC-Allegro — Data Link

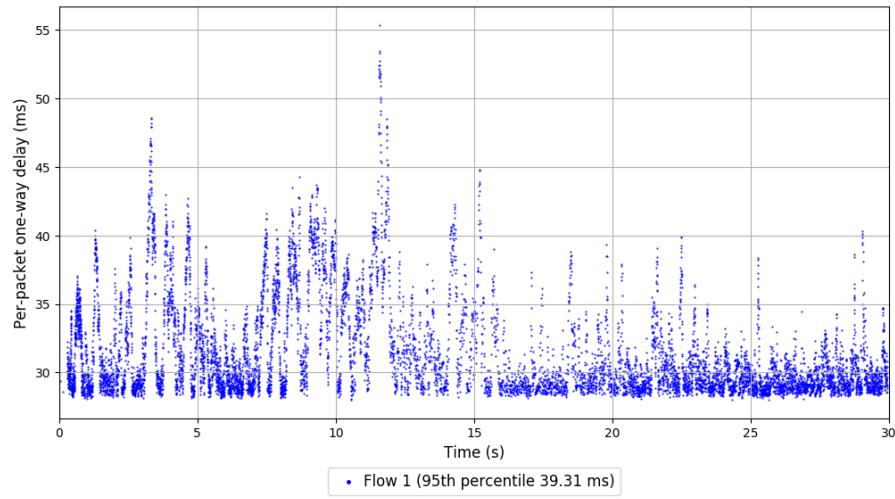
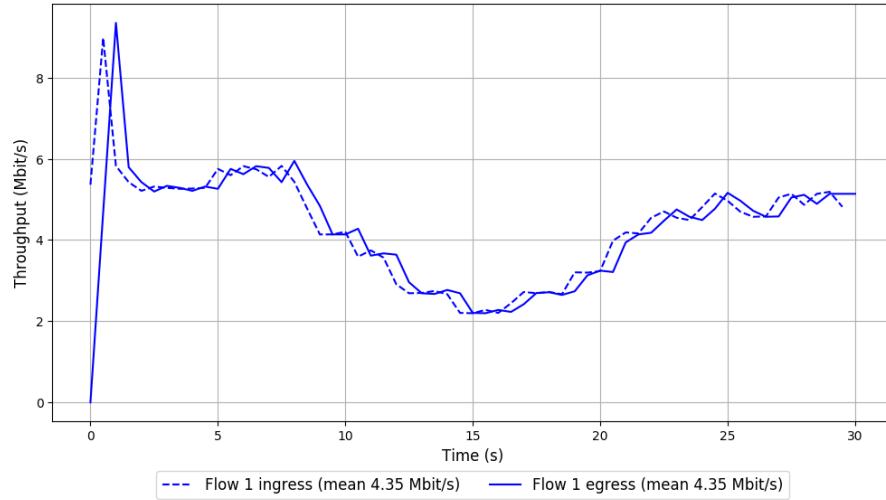


Run 1: Statistics of PCC-Expr

```
Start at: 2019-01-17 06:52:51
End at: 2019-01-17 06:53:21
Local clock offset: -2.622 ms
Remote clock offset: 14.768 ms

# Below is generated by plot.py at 2019-01-17 09:17:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 39.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 4.35 Mbit/s
95th percentile per-packet one-way delay: 39.313 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Expr — Data Link

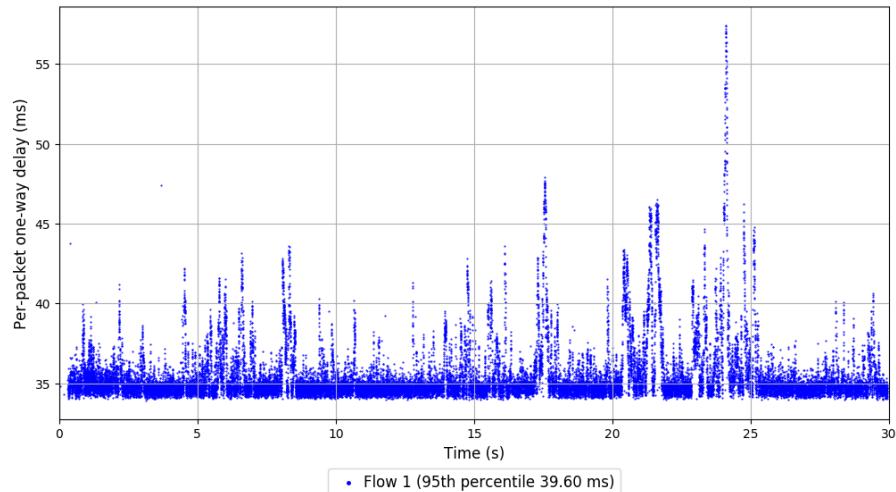
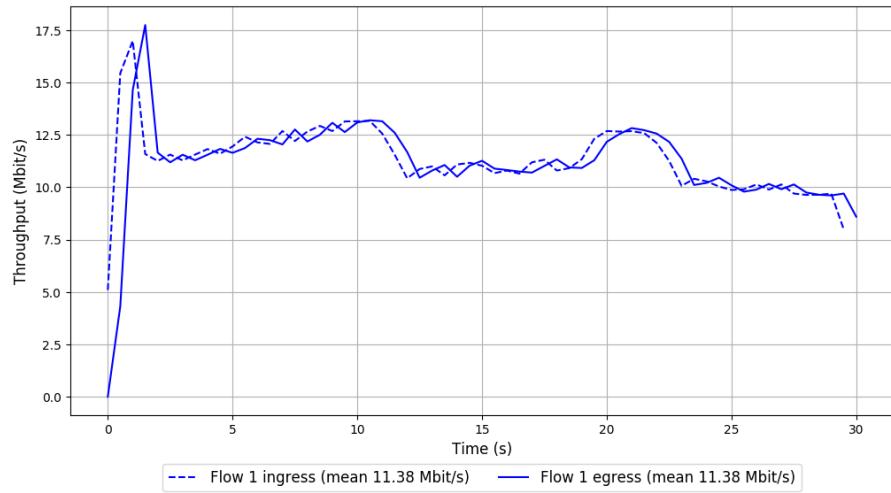


Run 2: Statistics of PCC-Expr

```
Start at: 2019-01-17 07:22:26
End at: 2019-01-17 07:22:56
Local clock offset: -1.543 ms
Remote clock offset: 20.724 ms

# Below is generated by plot.py at 2019-01-17 09:17:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.38 Mbit/s
95th percentile per-packet one-way delay: 39.602 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 11.38 Mbit/s
95th percentile per-packet one-way delay: 39.602 ms
Loss rate: 0.01%
```

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

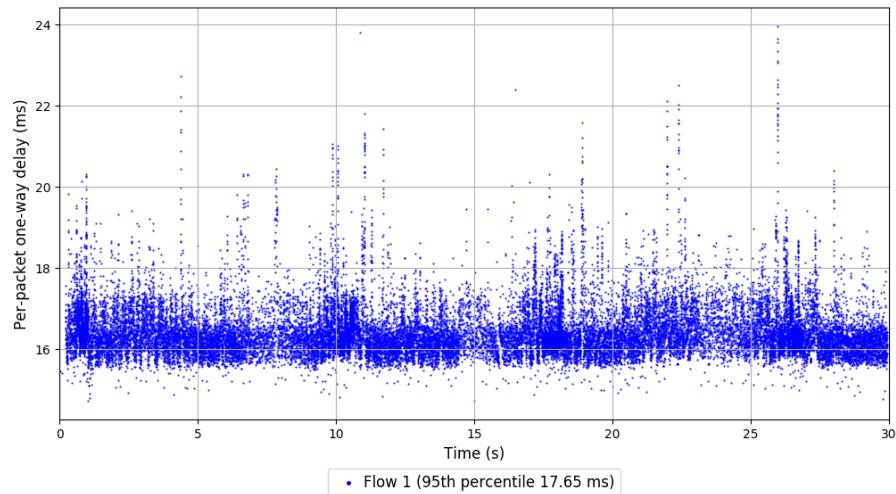
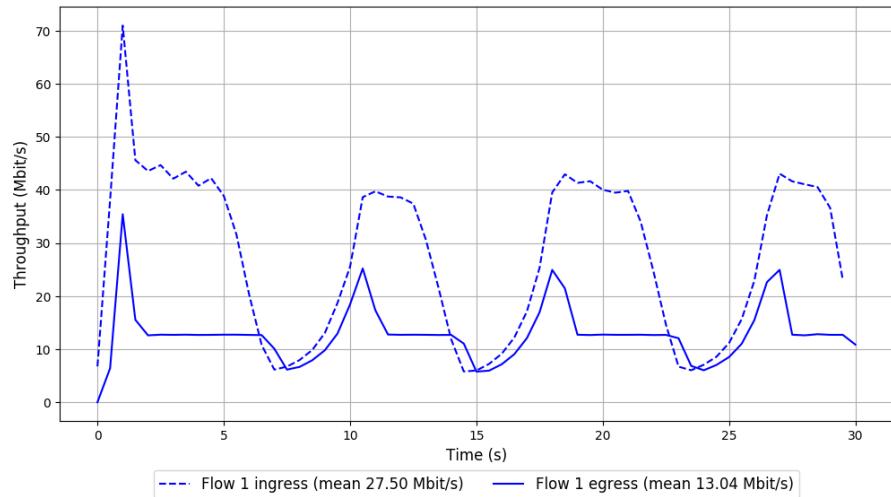


Run 3: Statistics of PCC-Expr

```
Start at: 2019-01-17 07:51:50
End at: 2019-01-17 07:52:20
Local clock offset: -1.814 ms
Remote clock offset: -4.071 ms

# Below is generated by plot.py at 2019-01-17 09:17:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.04 Mbit/s
95th percentile per-packet one-way delay: 17.646 ms
Loss rate: 52.60%
-- Flow 1:
Average throughput: 13.04 Mbit/s
95th percentile per-packet one-way delay: 17.646 ms
Loss rate: 52.60%
```

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

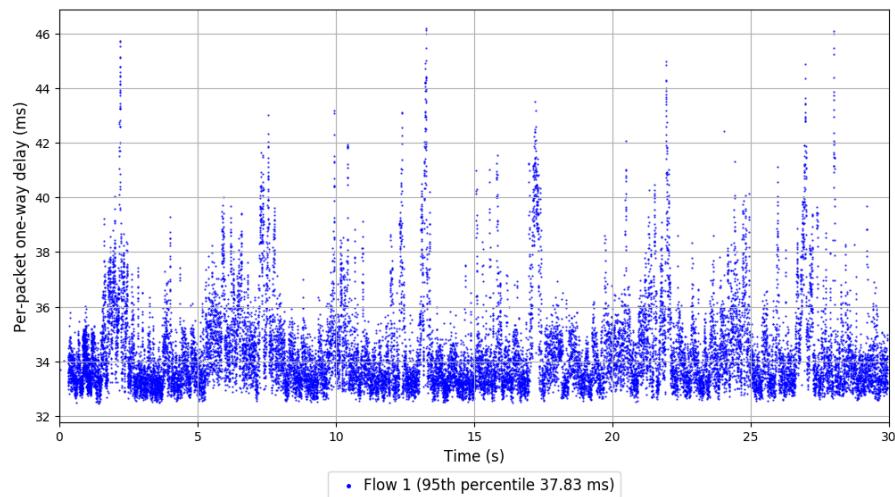
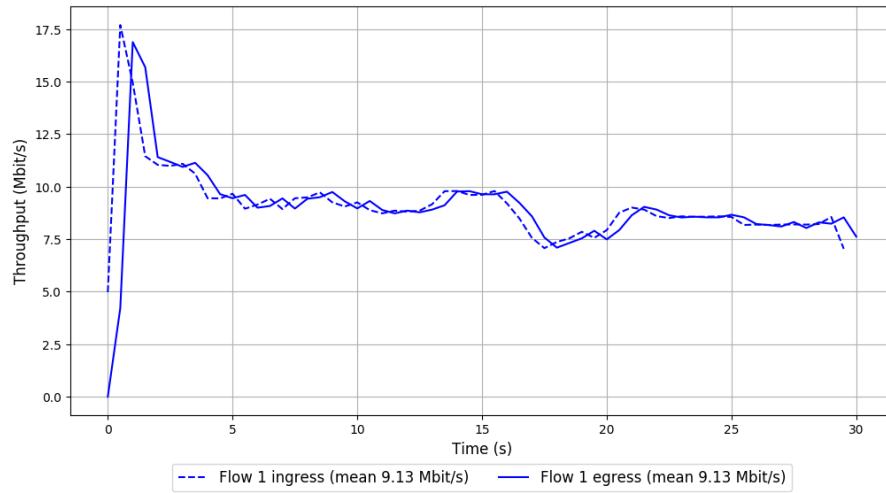


Run 4: Statistics of PCC-Expr

```
Start at: 2019-01-17 08:21:41
End at: 2019-01-17 08:22:11
Local clock offset: -1.037 ms
Remote clock offset: 12.161 ms

# Below is generated by plot.py at 2019-01-17 09:17:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 37.829 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.13 Mbit/s
95th percentile per-packet one-way delay: 37.829 ms
Loss rate: 0.00%
```

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

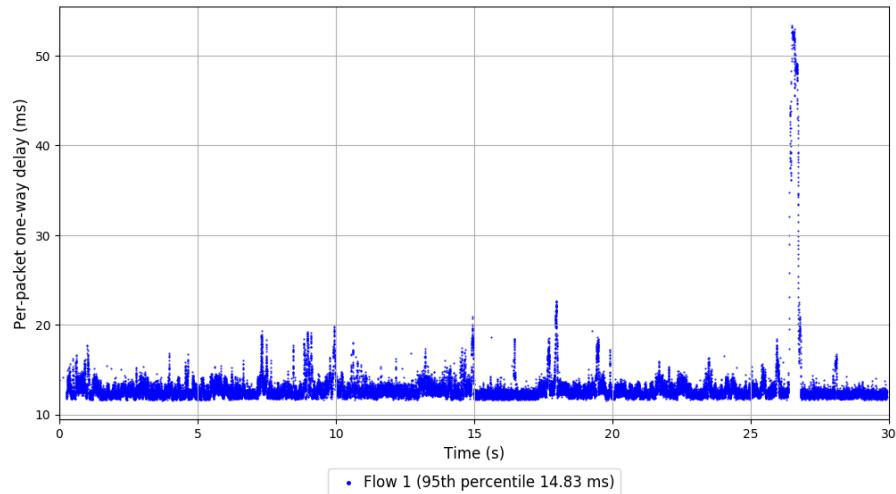
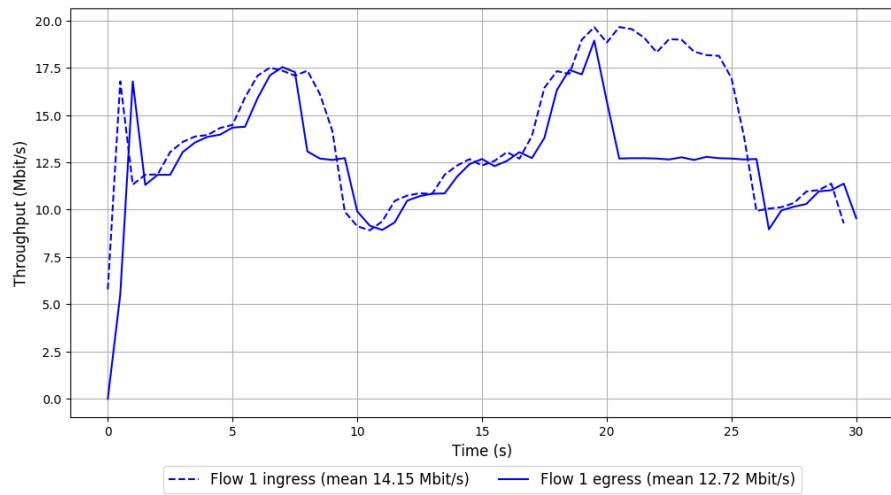


Run 5: Statistics of PCC-Expr

```
Start at: 2019-01-17 09:02:24
End at: 2019-01-17 09:02:54
Local clock offset: 1.106 ms
Remote clock offset: -12.833 ms

# Below is generated by plot.py at 2019-01-17 09:17:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.72 Mbit/s
95th percentile per-packet one-way delay: 14.832 ms
Loss rate: 10.11%
-- Flow 1:
Average throughput: 12.72 Mbit/s
95th percentile per-packet one-way delay: 14.832 ms
Loss rate: 10.11%
```

Run 5: Report of PCC-Expr — Data Link

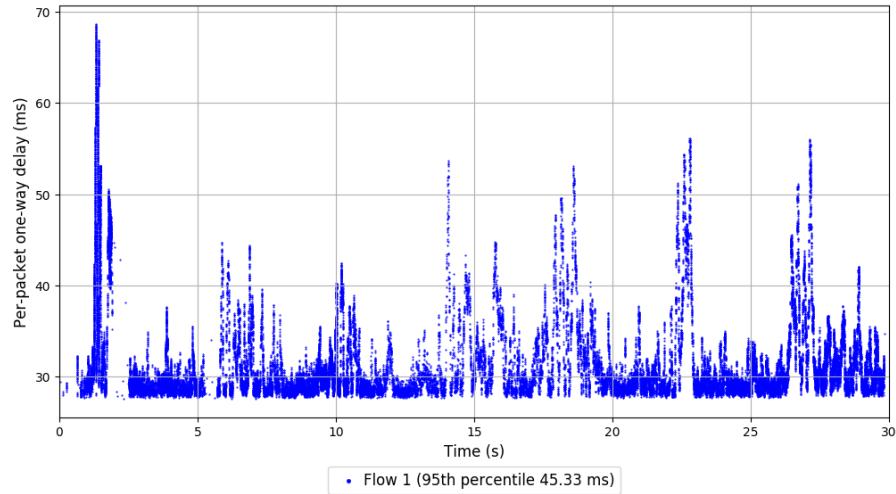
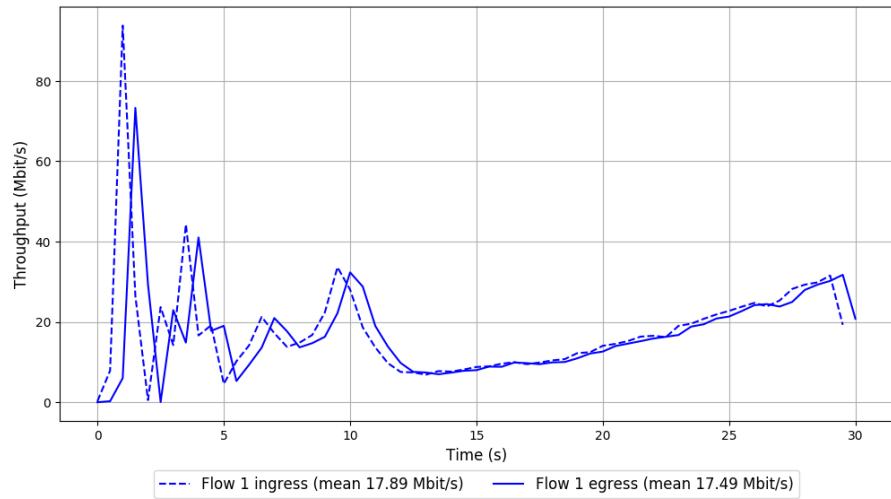


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-01-17 06:46:50
End at: 2019-01-17 06:47:20
Local clock offset: -3.721 ms
Remote clock offset: 14.881 ms

# Below is generated by plot.py at 2019-01-17 09:17:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.49 Mbit/s
95th percentile per-packet one-way delay: 45.327 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 17.49 Mbit/s
95th percentile per-packet one-way delay: 45.327 ms
Loss rate: 2.21%
```

Run 1: Report of QUIC Cubic — Data Link

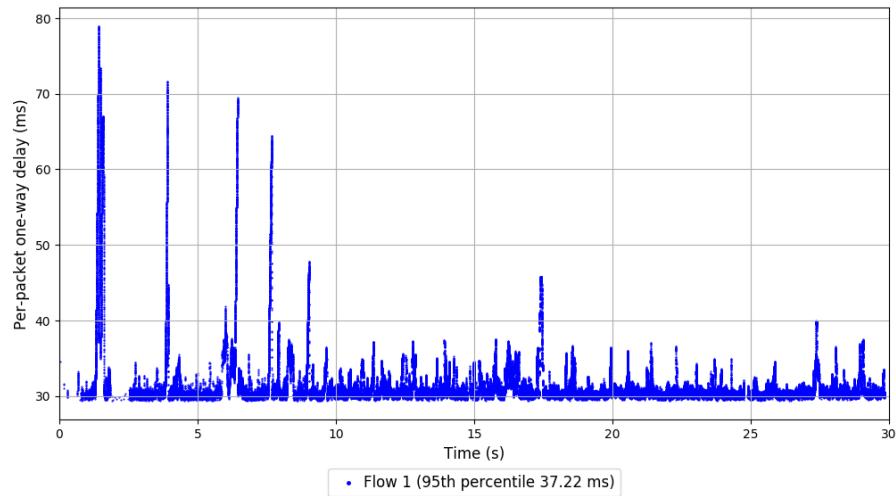
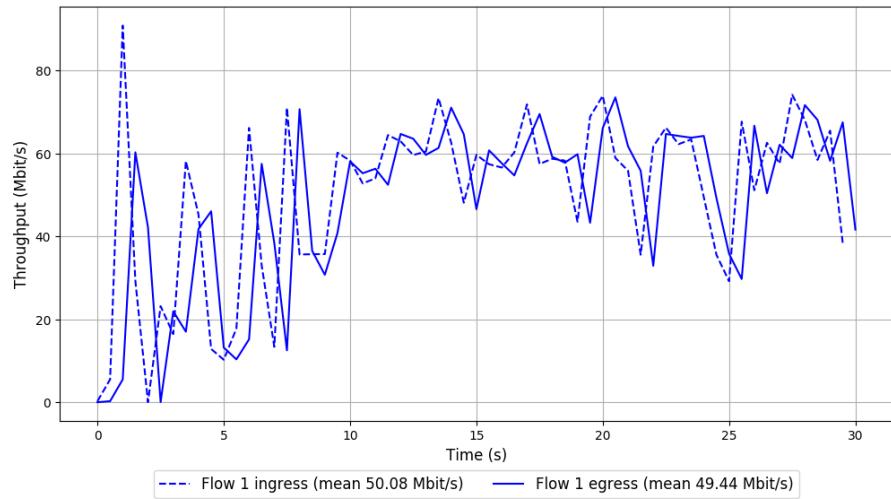


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-01-17 07:16:16
End at: 2019-01-17 07:16:46
Local clock offset: 3.171 ms
Remote clock offset: 20.524 ms

# Below is generated by plot.py at 2019-01-17 09:17:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.44 Mbit/s
95th percentile per-packet one-way delay: 37.217 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 49.44 Mbit/s
95th percentile per-packet one-way delay: 37.217 ms
Loss rate: 1.29%
```

Run 2: Report of QUIC Cubic — Data Link

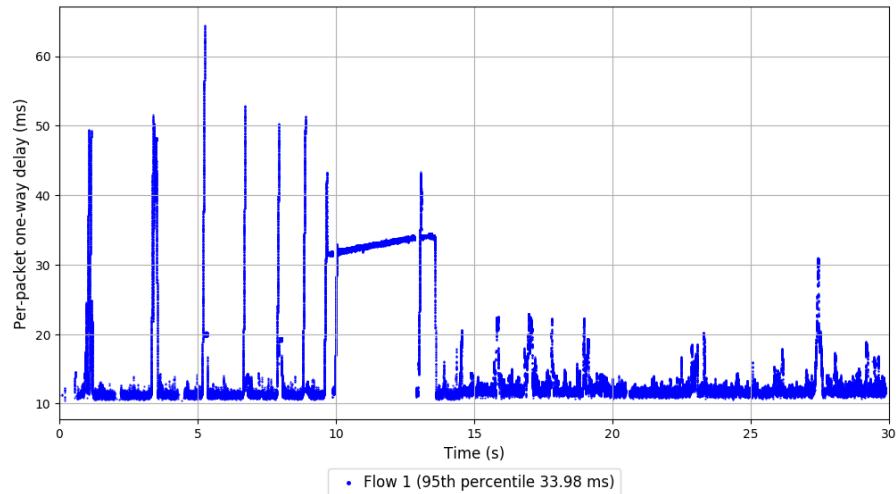
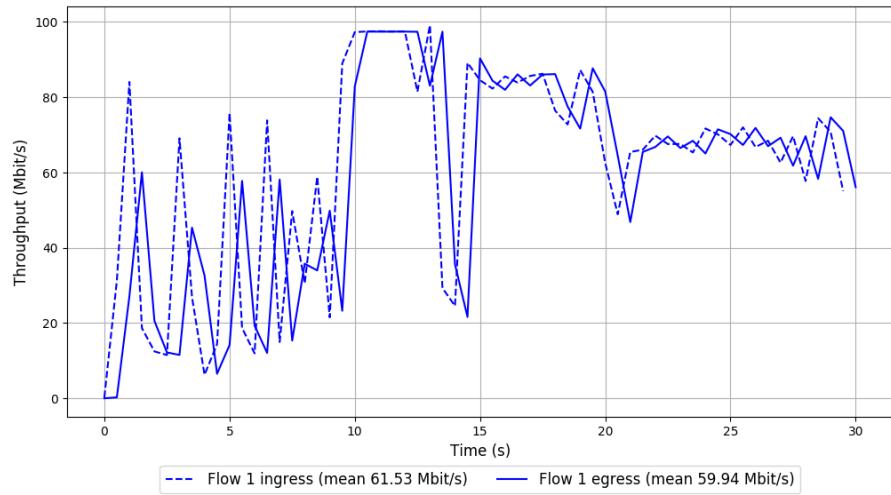


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-01-17 07:46:24
End at: 2019-01-17 07:46:54
Local clock offset: 0.476 ms
Remote clock offset: -5.812 ms

# Below is generated by plot.py at 2019-01-17 09:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.94 Mbit/s
95th percentile per-packet one-way delay: 33.978 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 59.94 Mbit/s
95th percentile per-packet one-way delay: 33.978 ms
Loss rate: 2.58%
```

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

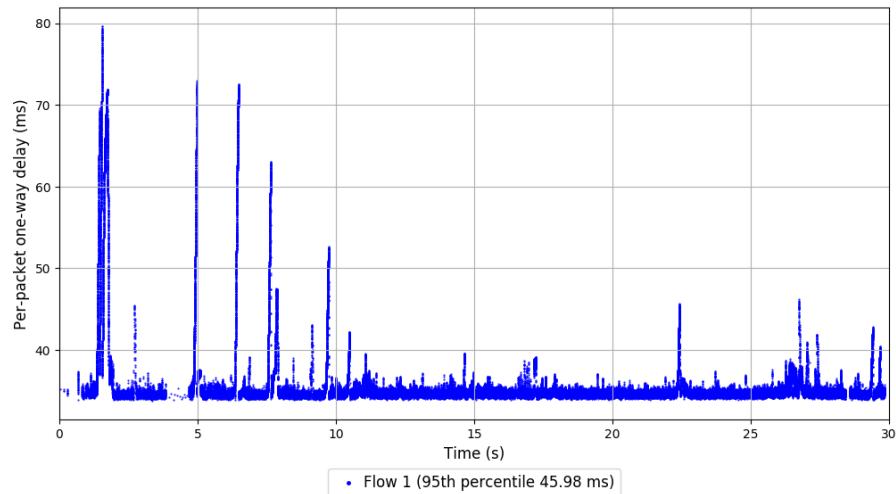
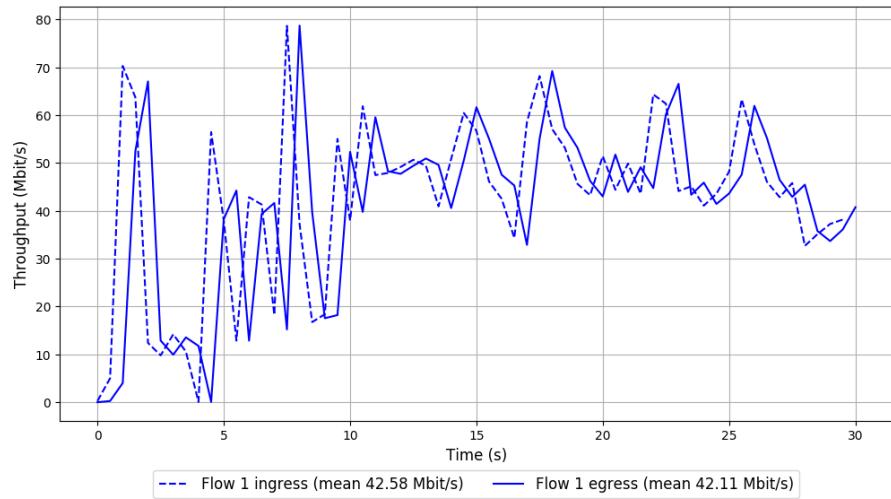


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-01-17 08:14:17
End at: 2019-01-17 08:14:47
Local clock offset: -2.746 ms
Remote clock offset: 12.403 ms

# Below is generated by plot.py at 2019-01-17 09:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.11 Mbit/s
95th percentile per-packet one-way delay: 45.975 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 42.11 Mbit/s
95th percentile per-packet one-way delay: 45.975 ms
Loss rate: 1.11%
```

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

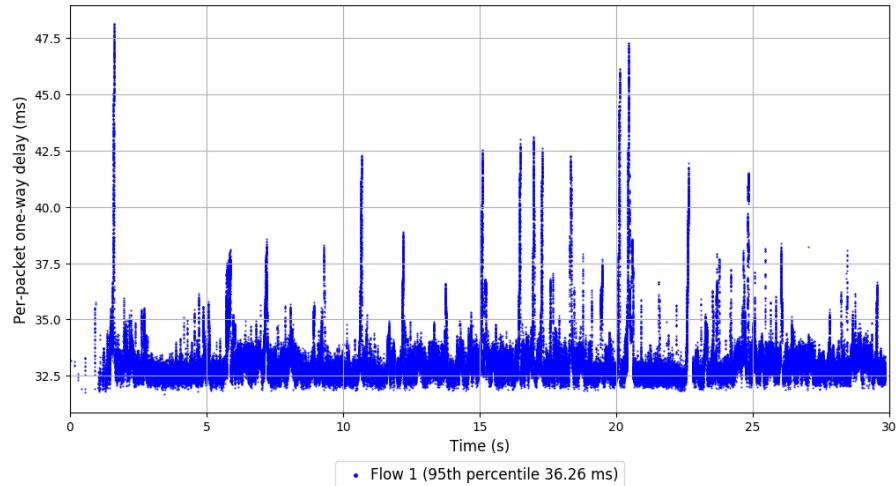
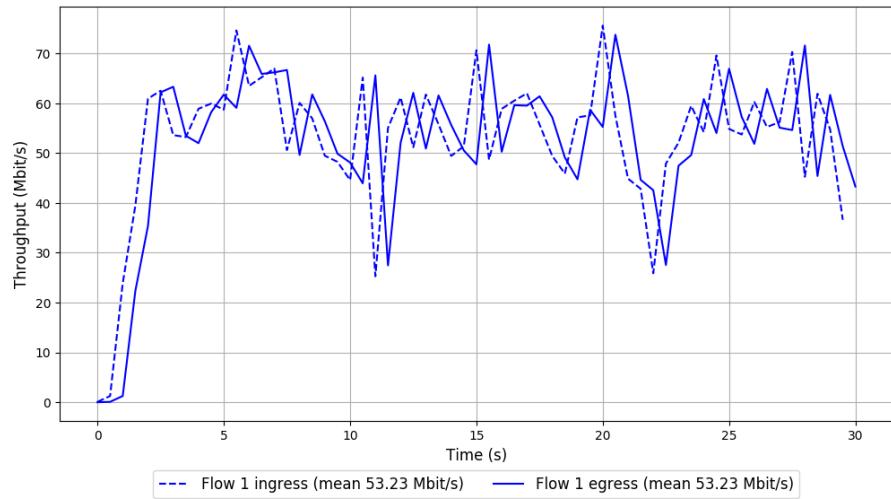


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-01-17 08:56:31
End at: 2019-01-17 08:57:01
Local clock offset: -1.383 ms
Remote clock offset: 5.716 ms

# Below is generated by plot.py at 2019-01-17 09:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.23 Mbit/s
95th percentile per-packet one-way delay: 36.259 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 53.23 Mbit/s
95th percentile per-packet one-way delay: 36.259 ms
Loss rate: 0.01%
```

Run 5: Report of QUIC Cubic — Data Link

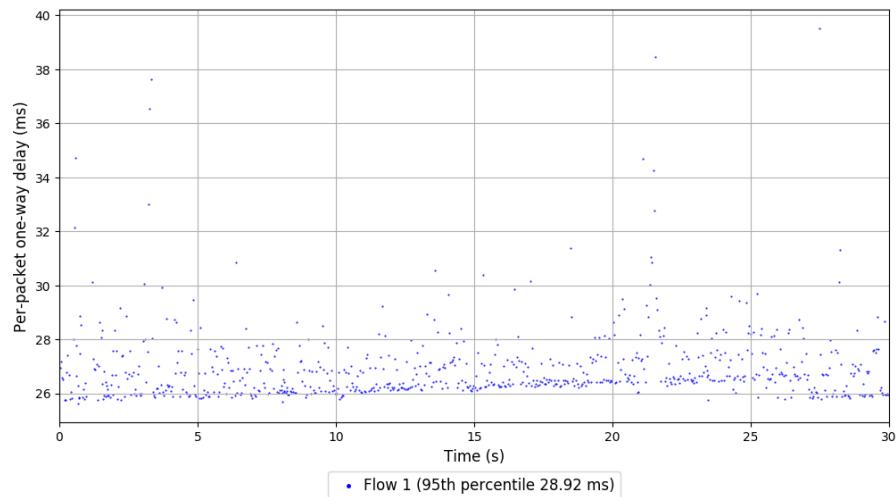
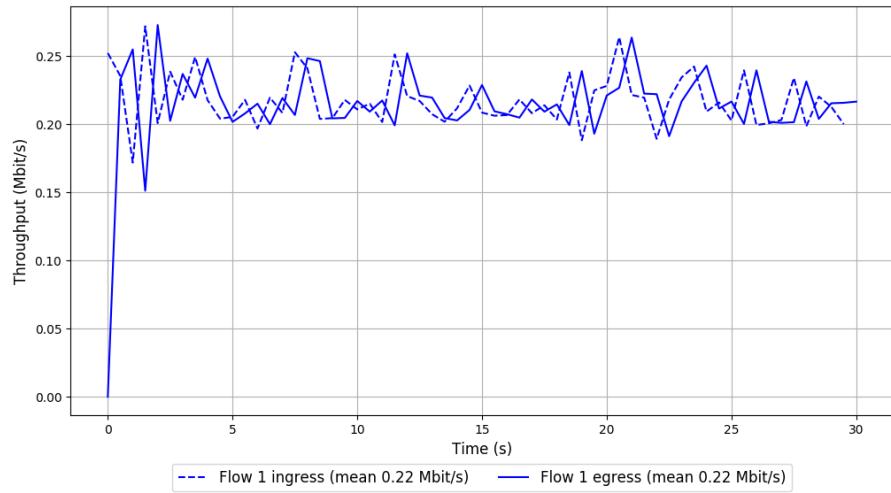


Run 1: Statistics of SCReAM

```
Start at: 2019-01-17 06:49:29
End at: 2019-01-17 06:49:59
Local clock offset: -2.154 ms
Remote clock offset: 13.424 ms

# Below is generated by plot.py at 2019-01-17 09:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.922 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 28.922 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

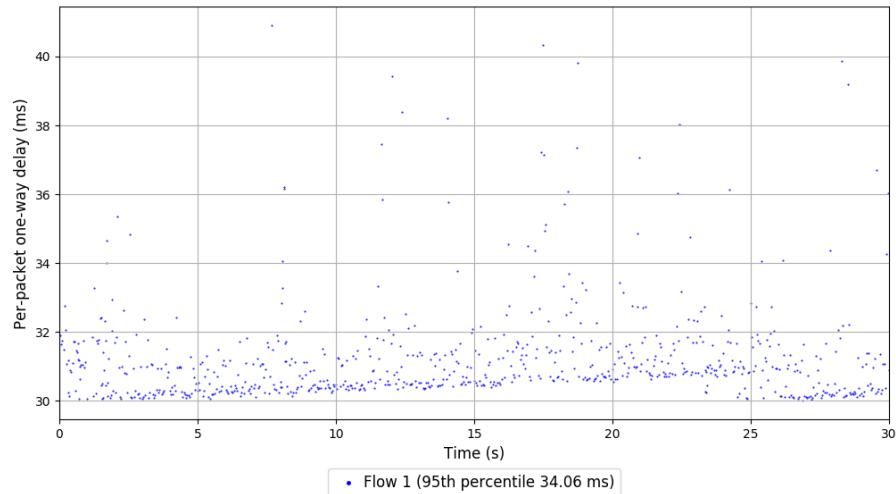
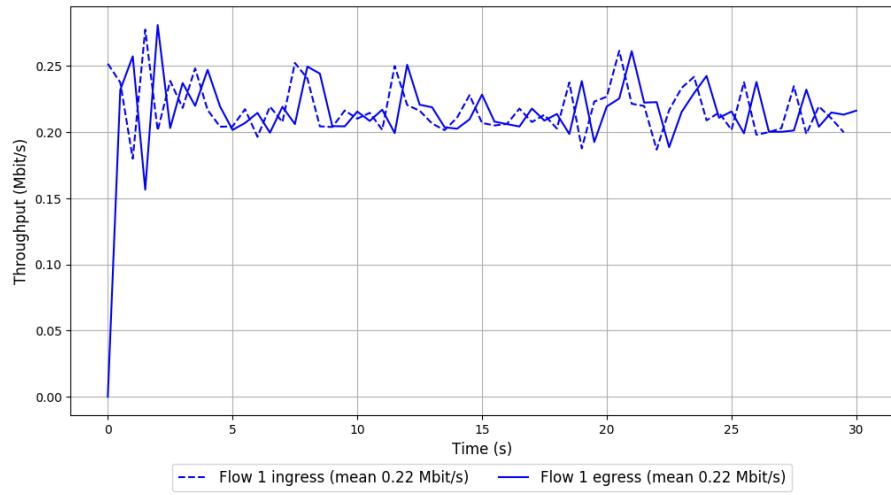


Run 2: Statistics of SCReAM

```
Start at: 2019-01-17 07:19:23
End at: 2019-01-17 07:19:53
Local clock offset: 0.204 ms
Remote clock offset: 18.654 ms

# Below is generated by plot.py at 2019-01-17 09:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.060 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.060 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

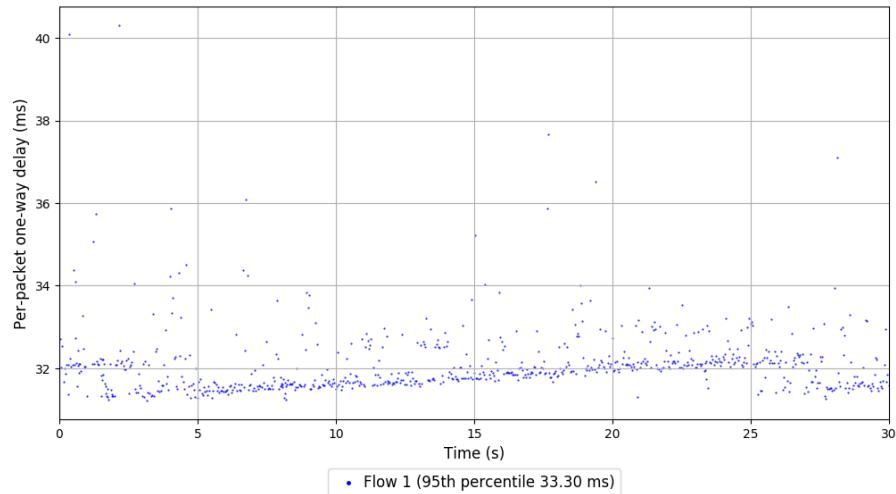
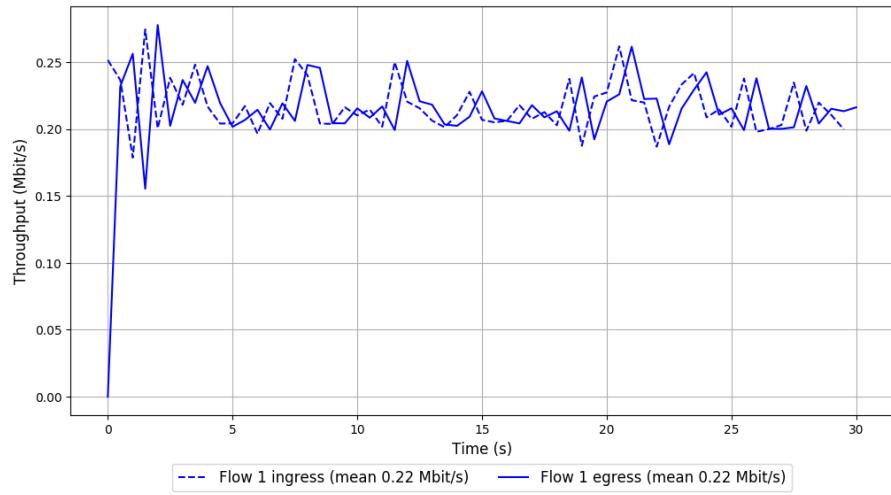


Run 3: Statistics of SCReAM

```
Start at: 2019-01-17 07:49:22
End at: 2019-01-17 07:49:52
Local clock offset: 0.479 ms
Remote clock offset: 15.054 ms

# Below is generated by plot.py at 2019-01-17 09:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.301 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 33.301 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

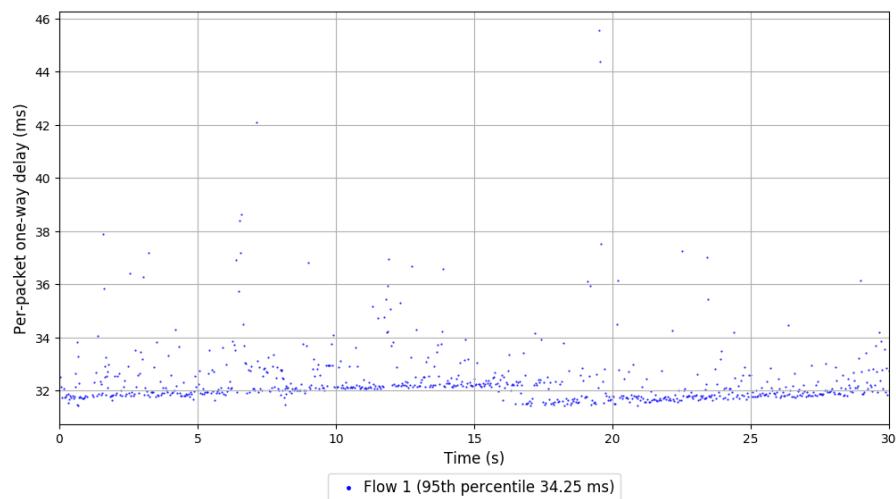
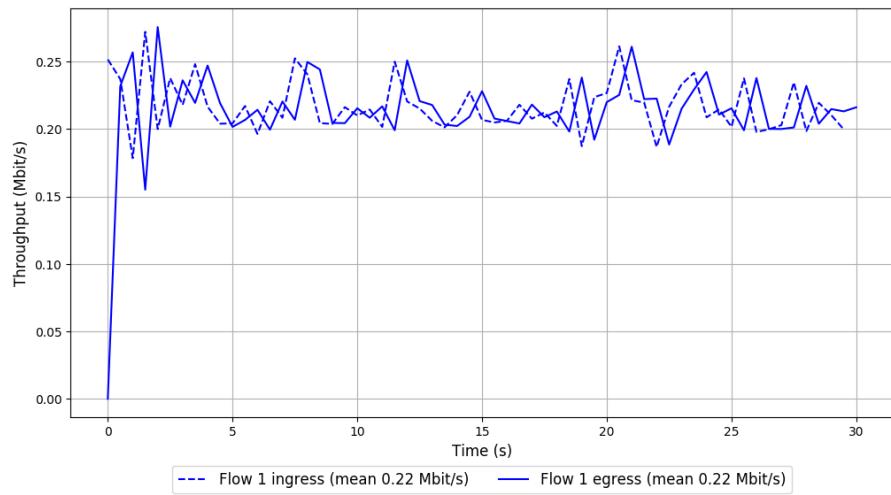


Run 4: Statistics of SCReAM

```
Start at: 2019-01-17 08:17:56
End at: 2019-01-17 08:18:26
Local clock offset: -0.157 ms
Remote clock offset: 12.304 ms

# Below is generated by plot.py at 2019-01-17 09:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.248 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 34.248 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

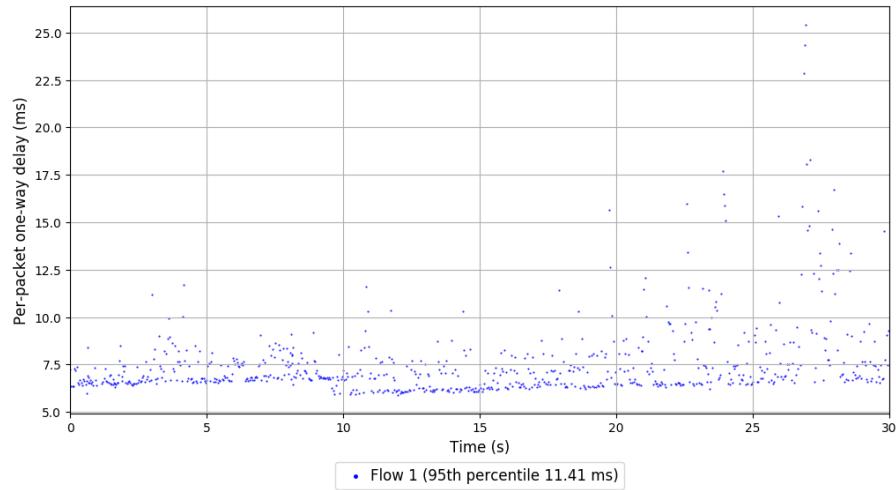
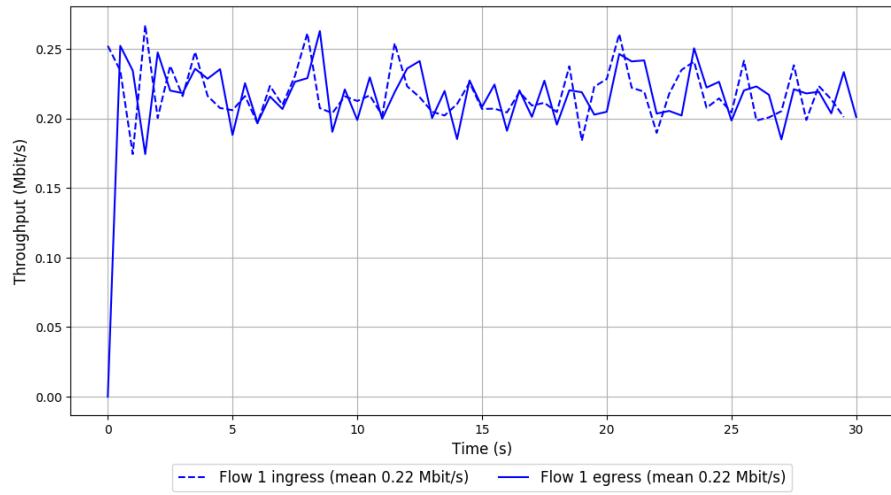


Run 5: Statistics of SCReAM

```
Start at: 2019-01-17 09:00:02
End at: 2019-01-17 09:00:32
Local clock offset: 1.525 ms
Remote clock offset: -17.912 ms

# Below is generated by plot.py at 2019-01-17 09:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.408 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 11.408 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

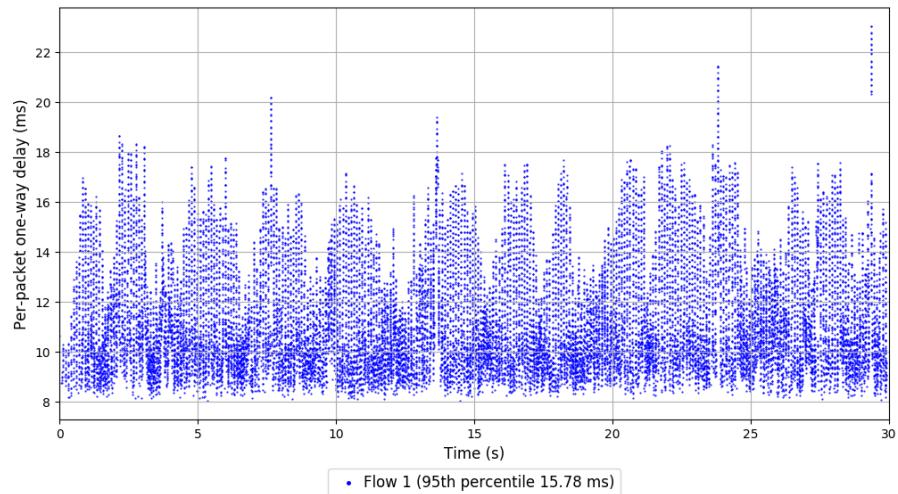
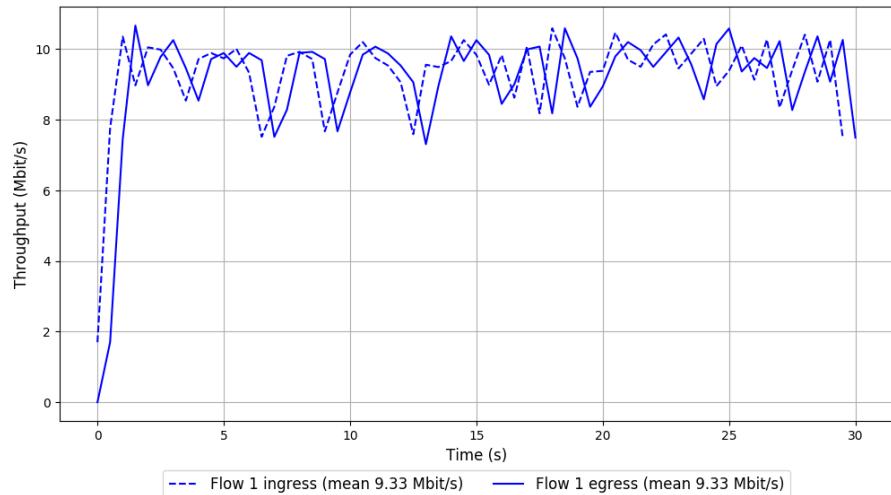


Run 1: Statistics of Sprout

```
Start at: 2019-01-17 06:36:51
End at: 2019-01-17 06:37:21
Local clock offset: -2.002 ms
Remote clock offset: -3.708 ms

# Below is generated by plot.py at 2019-01-17 09:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 15.781 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 9.33 Mbit/s
95th percentile per-packet one-way delay: 15.781 ms
Loss rate: 0.05%
```

## Run 1: Report of Sprout — Data Link

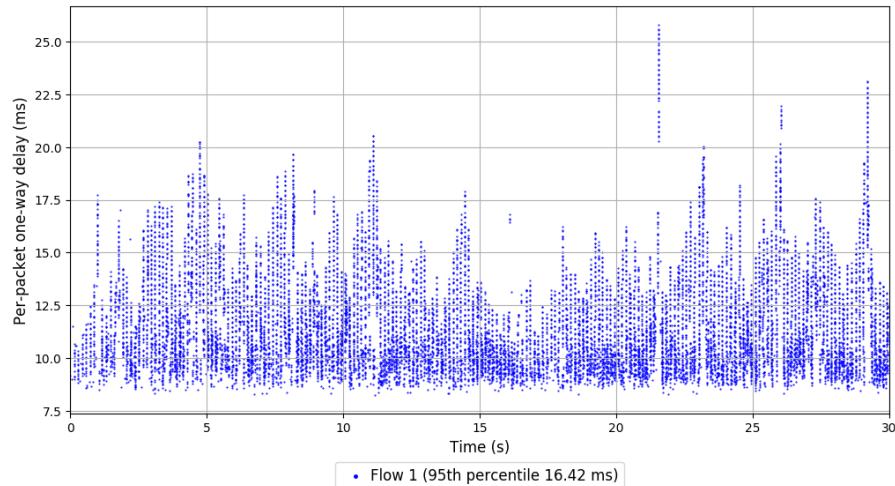
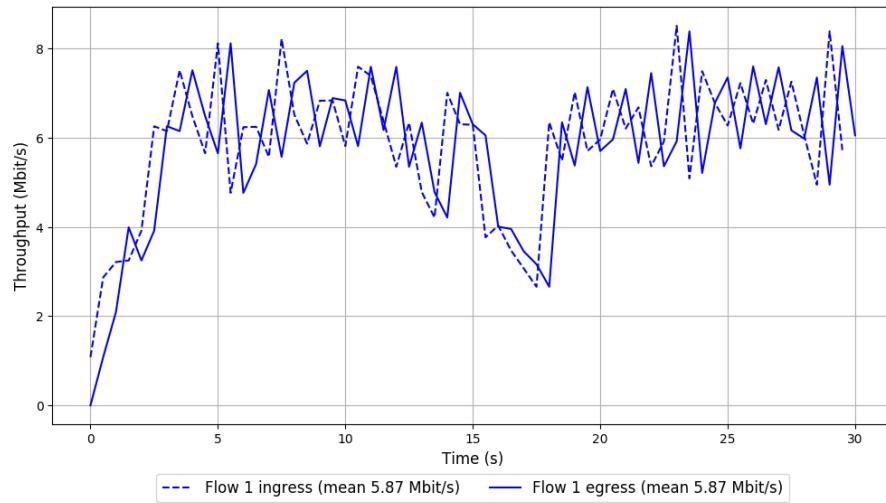


Run 2: Statistics of Sprout

```
Start at: 2019-01-17 07:07:15
End at: 2019-01-17 07:07:45
Local clock offset: 0.859 ms
Remote clock offset: -2.621 ms

# Below is generated by plot.py at 2019-01-17 09:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.87 Mbit/s
95th percentile per-packet one-way delay: 16.421 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.87 Mbit/s
95th percentile per-packet one-way delay: 16.421 ms
Loss rate: 0.00%
```

## Run 2: Report of Sprout — Data Link

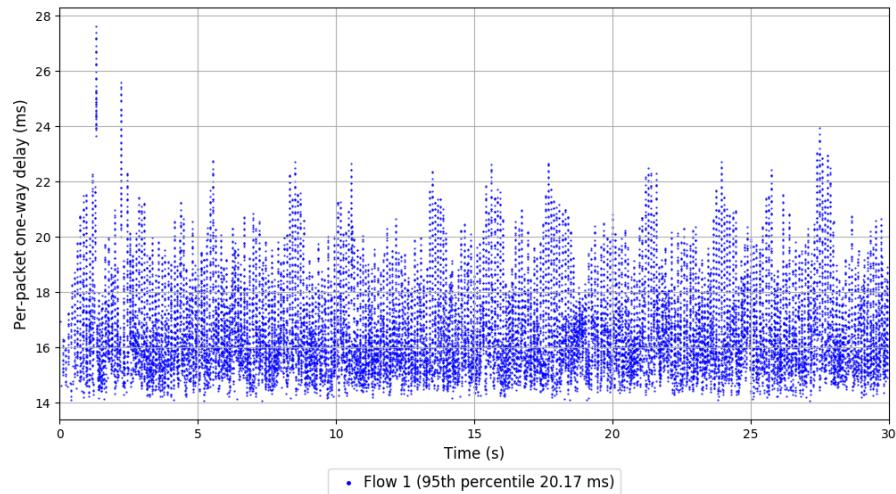
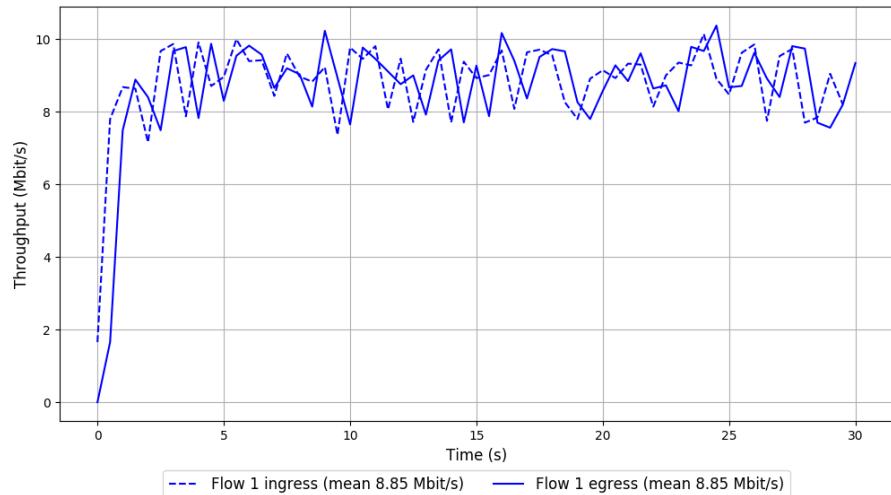


Run 3: Statistics of Sprout

```
Start at: 2019-01-17 07:36:43
End at: 2019-01-17 07:37:13
Local clock offset: -0.769 ms
Remote clock offset: -1.331 ms

# Below is generated by plot.py at 2019-01-17 09:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.85 Mbit/s
95th percentile per-packet one-way delay: 20.171 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.85 Mbit/s
95th percentile per-packet one-way delay: 20.171 ms
Loss rate: 0.00%
```

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

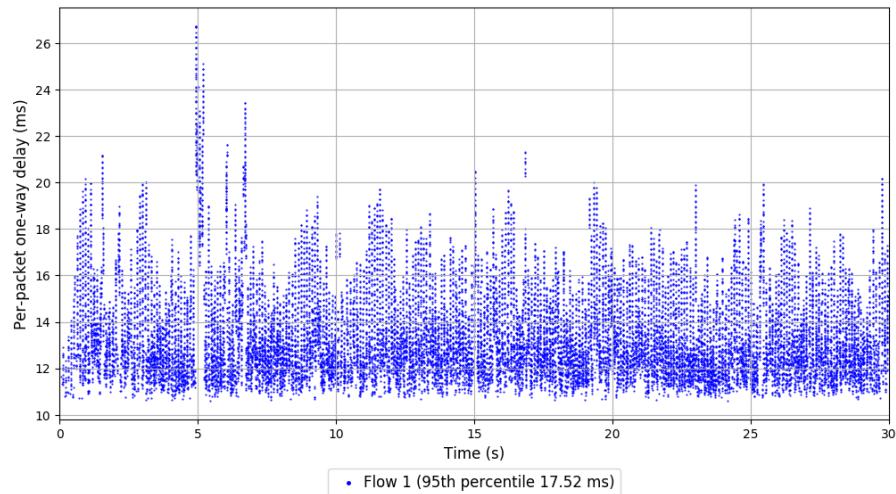
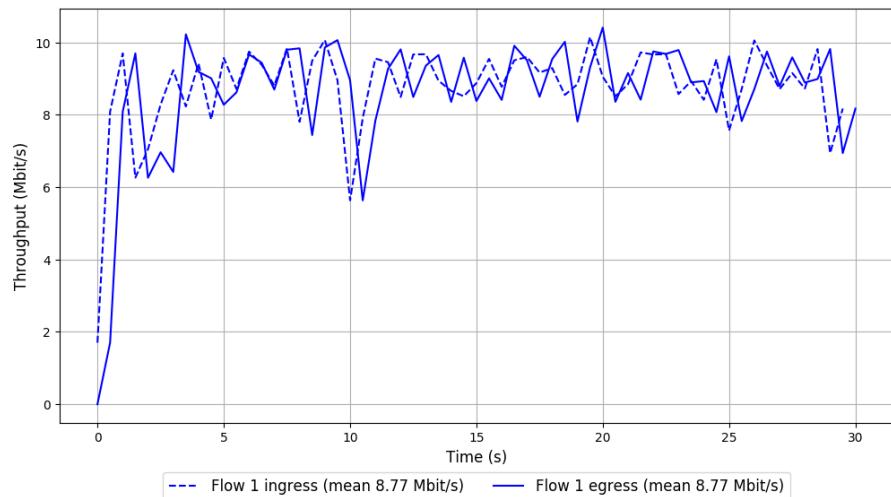


Run 4: Statistics of Sprout

```
Start at: 2019-01-17 08:04:30
End at: 2019-01-17 08:05:00
Local clock offset: 1.552 ms
Remote clock offset: -5.702 ms

# Below is generated by plot.py at 2019-01-17 09:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.77 Mbit/s
95th percentile per-packet one-way delay: 17.517 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.77 Mbit/s
95th percentile per-packet one-way delay: 17.517 ms
Loss rate: 0.00%
```

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

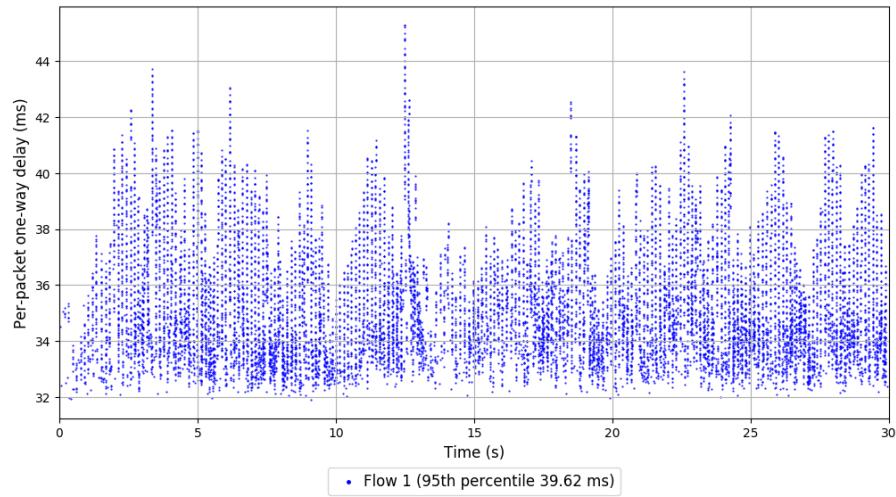
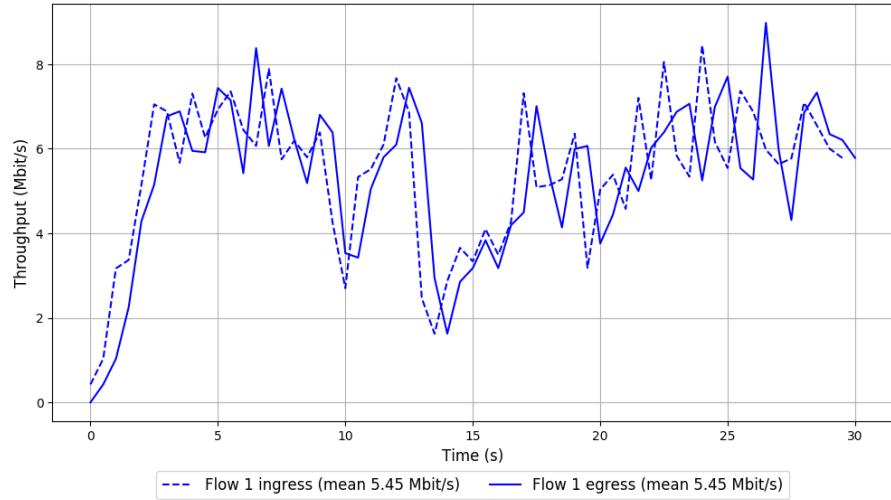


Run 5: Statistics of Sprout

```
Start at: 2019-01-17 08:43:27
End at: 2019-01-17 08:43:57
Local clock offset: -0.744 ms
Remote clock offset: 8.951 ms

# Below is generated by plot.py at 2019-01-17 09:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 39.621 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.45 Mbit/s
95th percentile per-packet one-way delay: 39.621 ms
Loss rate: 0.00%
```

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



Run 1: Statistics of TaoVA-100x

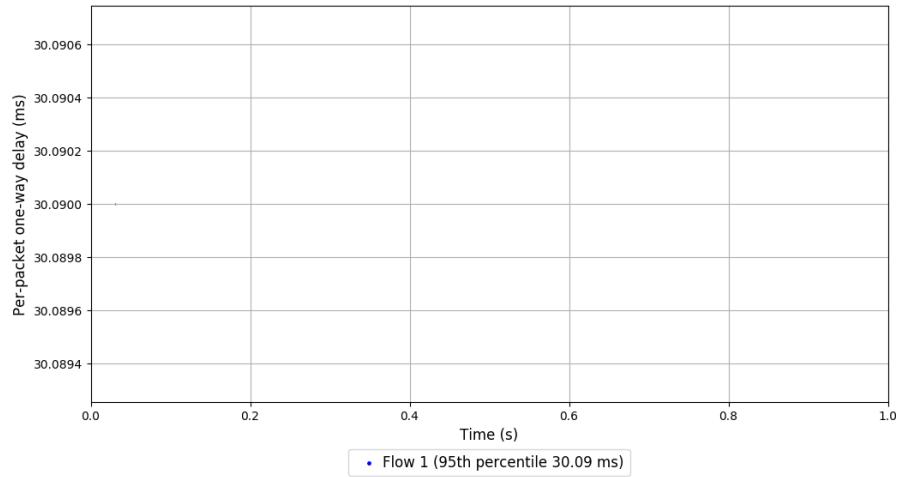
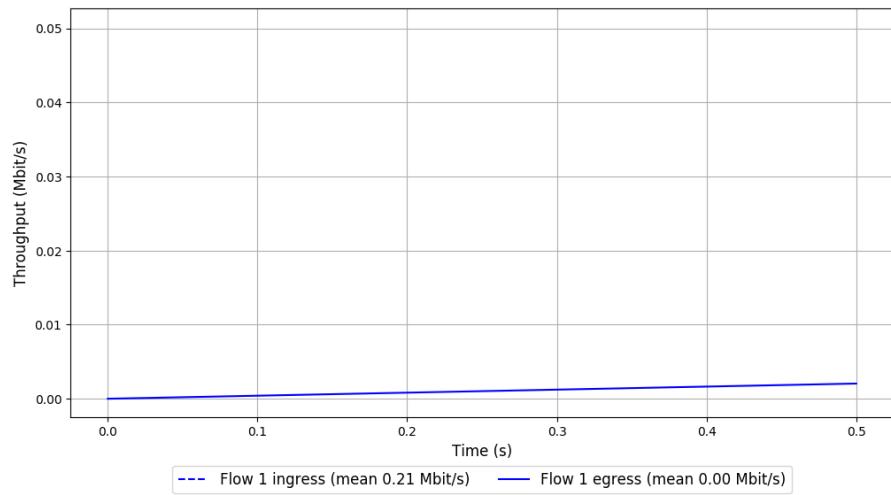
Start at: 2019-01-17 06:48:18

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

Local clock offset: -4.148 ms

Remote clock offset: 14.27 ms

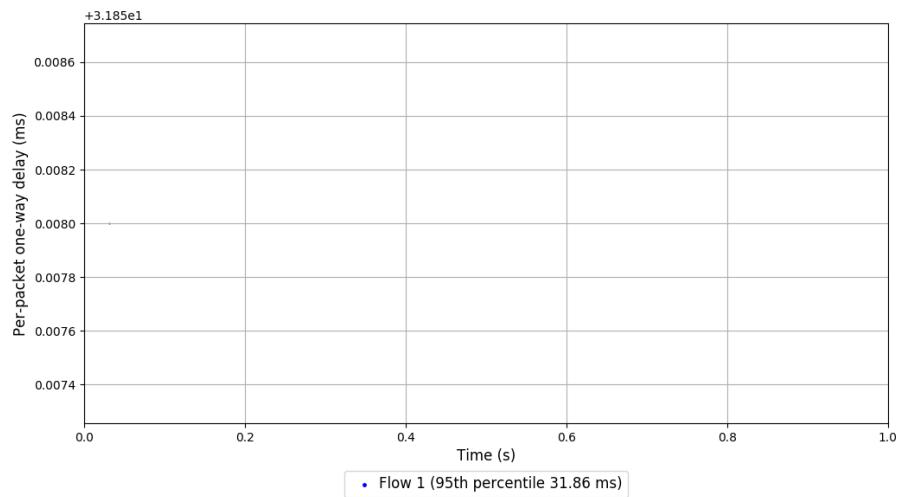
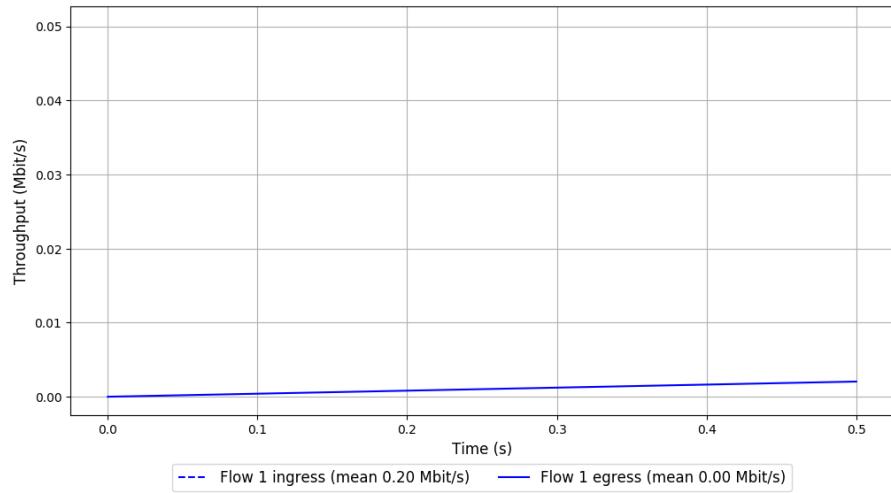
Run 1: Report of TaoVA-100x — Data Link



Run 2: Statistics of TaoVA-100x

Start at: 2019-01-17 07:18:12  
End at: 2019-01-17 07:18:42  
Local clock offset: 1.068 ms  
Remote clock offset: 20.127 ms

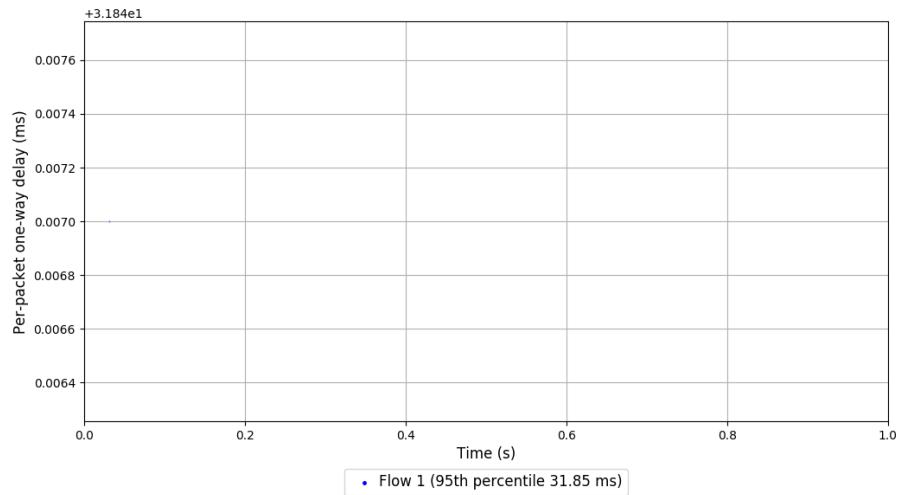
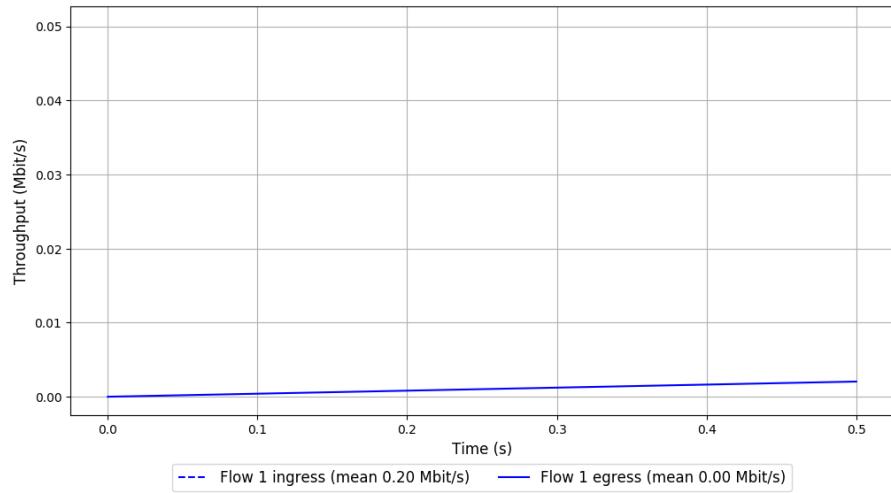
## Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: 2019-01-17 07:48:15  
End at: 2019-01-17 07:48:45  
Local clock offset: 0.511 ms  
Remote clock offset: 13.869 ms

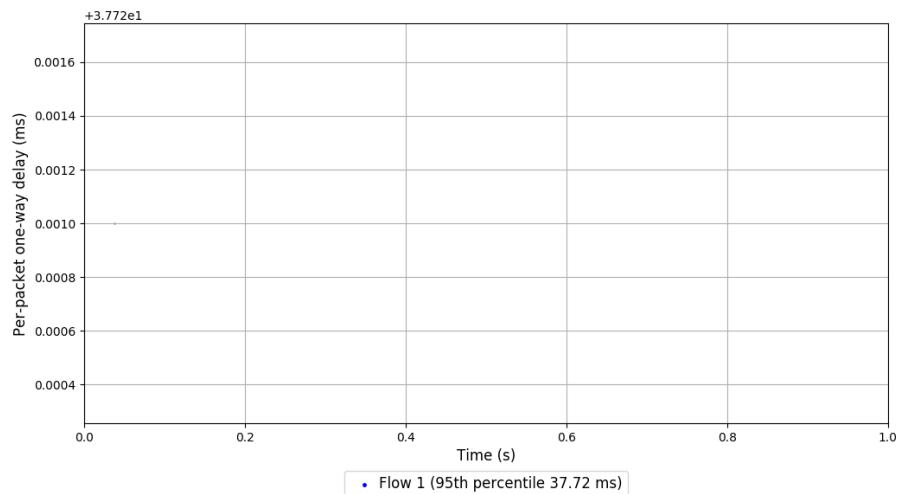
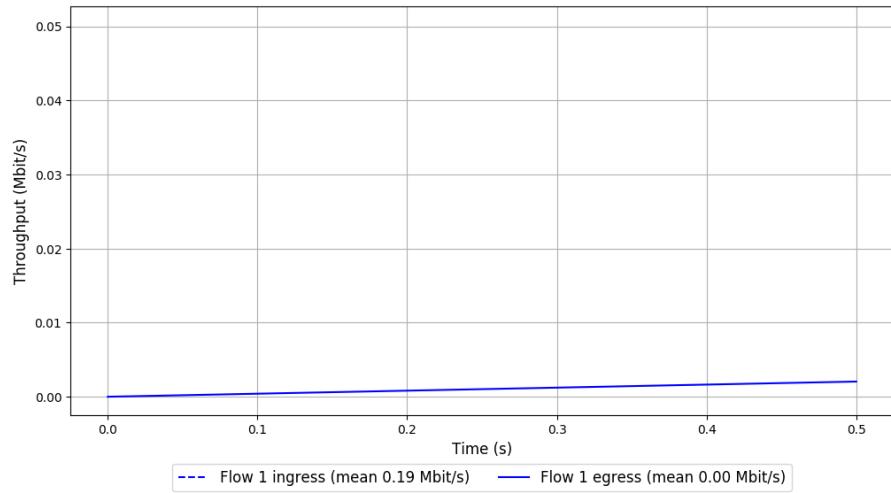
Run 3: Report of TaoVA-100x — Data Link



Run 4: Statistics of TaoVA-100x

Start at: 2019-01-17 08:16:50  
End at: 2019-01-17 08:17:20  
Local clock offset: -2.294 ms  
Remote clock offset: 13.551 ms

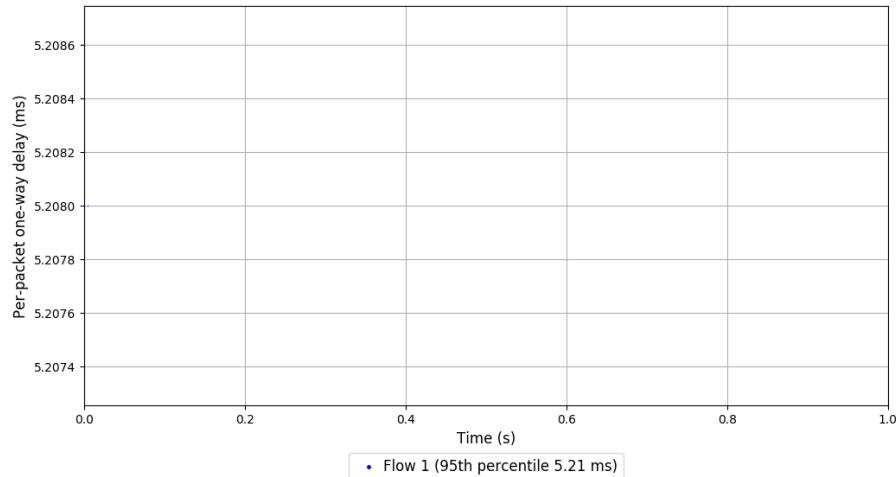
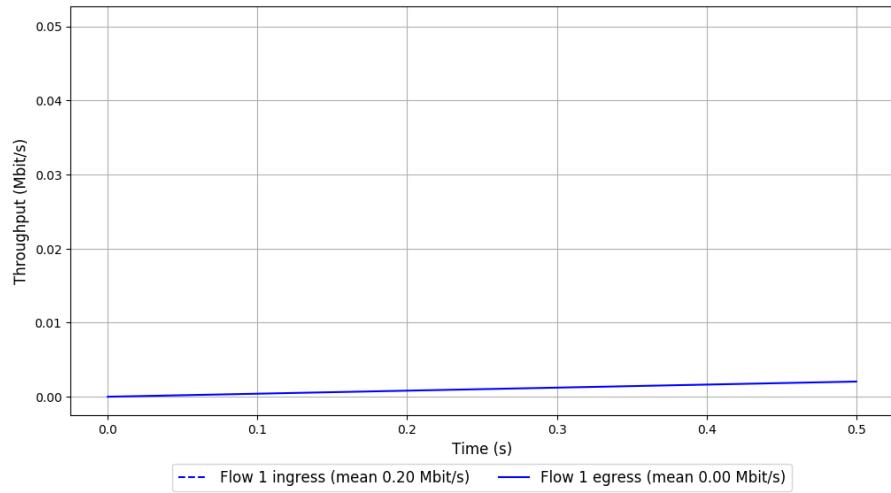
Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: 2019-01-17 08:58:53  
End at: 2019-01-17 08:59:23  
Local clock offset: 0.451 ms  
Remote clock offset: -20.862 ms

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

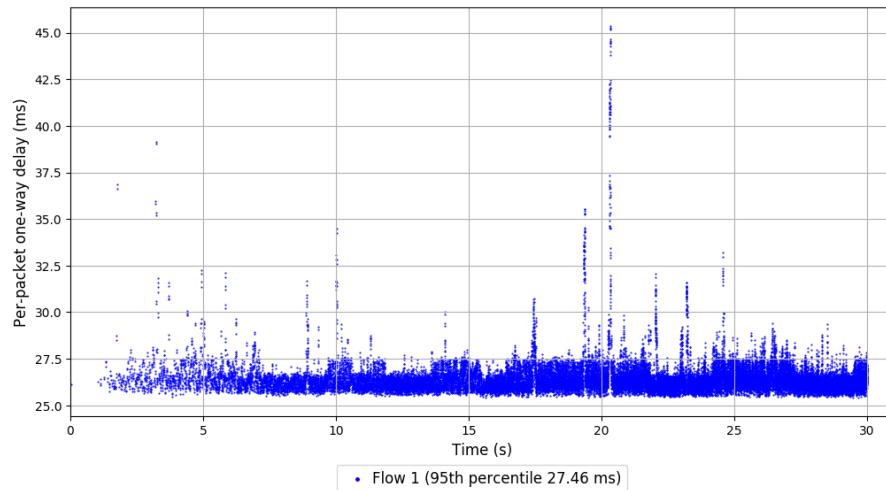
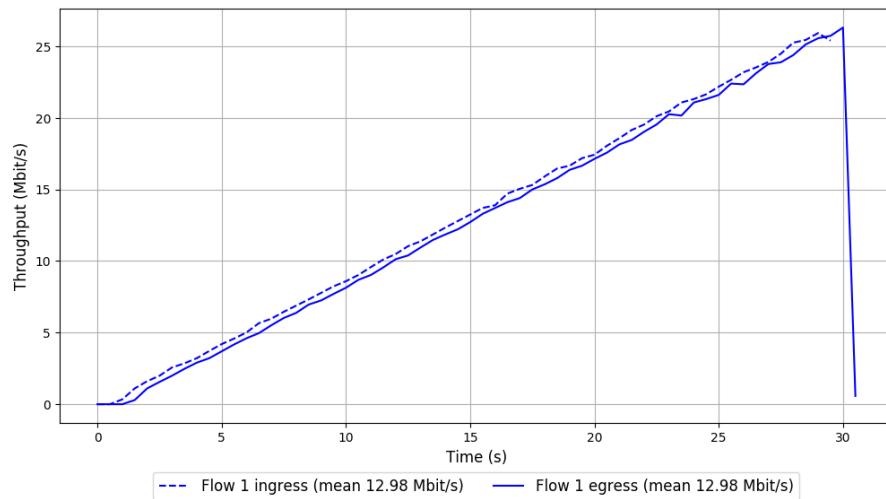


Run 1: Statistics of TCP Vegas

```
Start at: 2019-01-17 06:58:06
End at: 2019-01-17 06:58:36
Local clock offset: 0.222 ms
Remote clock offset: 14.262 ms

# Below is generated by plot.py at 2019-01-17 09:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.98 Mbit/s
95th percentile per-packet one-way delay: 27.457 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.98 Mbit/s
95th percentile per-packet one-way delay: 27.457 ms
Loss rate: 0.00%
```

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

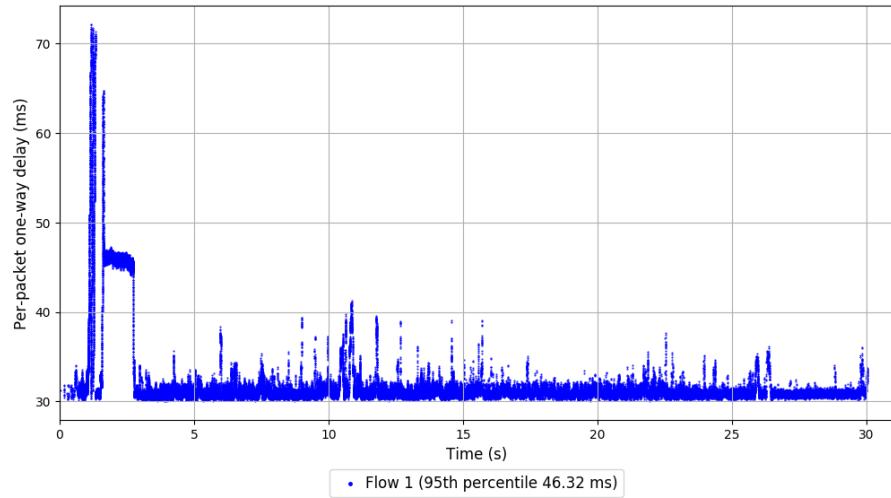
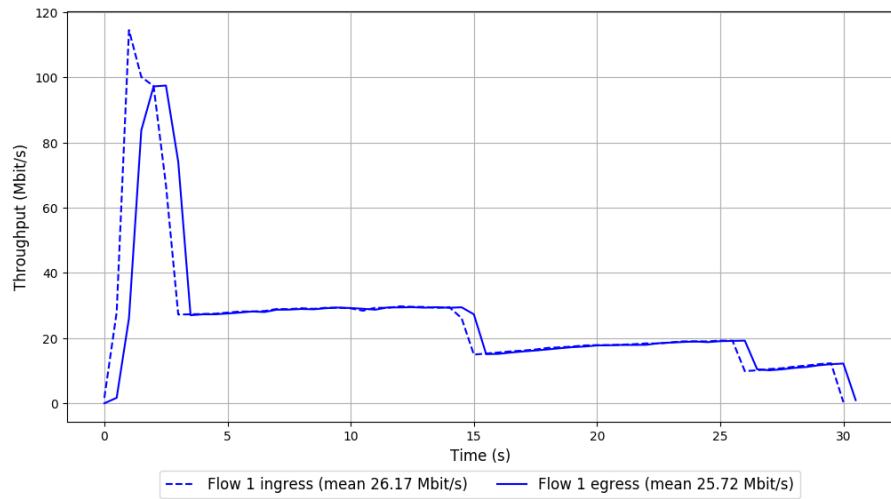


Run 2: Statistics of TCP Vegas

```
Start at: 2019-01-17 07:28:14
End at: 2019-01-17 07:28:44
Local clock offset: 0.419 ms
Remote clock offset: 18.245 ms

# Below is generated by plot.py at 2019-01-17 09:17:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.72 Mbit/s
95th percentile per-packet one-way delay: 46.318 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 25.72 Mbit/s
95th percentile per-packet one-way delay: 46.318 ms
Loss rate: 1.70%
```

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

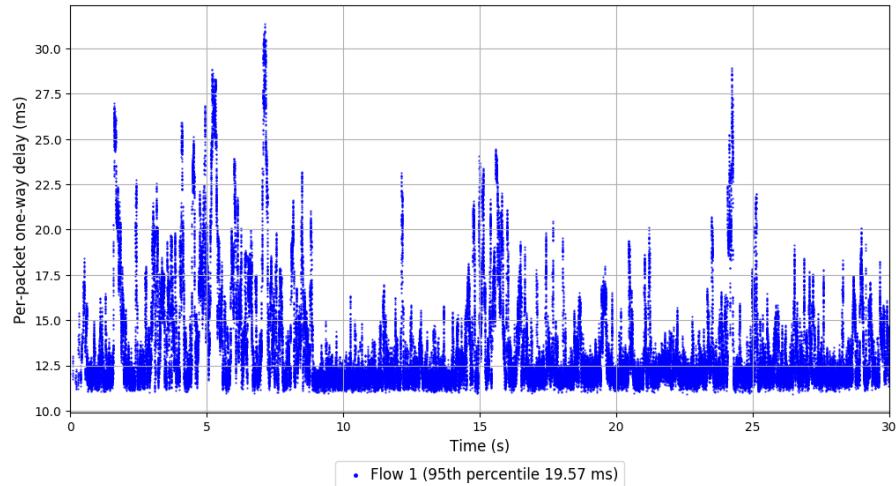
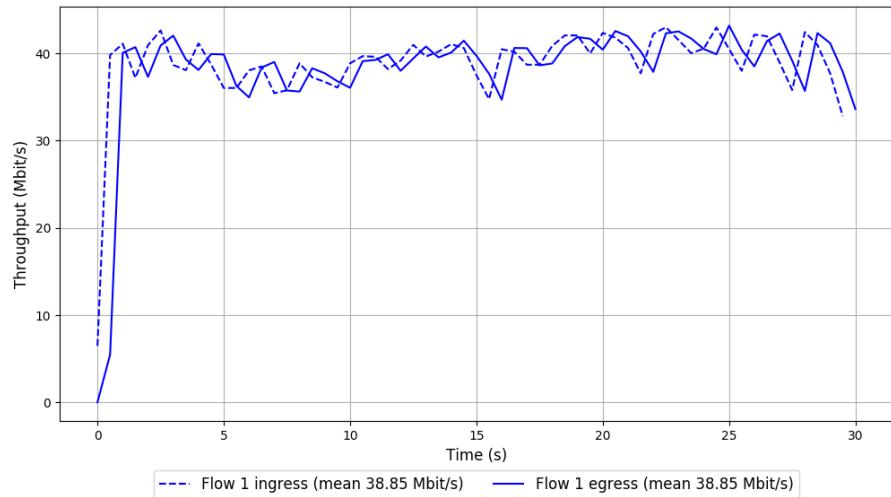


Run 3: Statistics of TCP Vegas

```
Start at: 2019-01-17 07:56:23
End at: 2019-01-17 07:56:53
Local clock offset: 0.91 ms
Remote clock offset: -5.772 ms

# Below is generated by plot.py at 2019-01-17 09:17:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.85 Mbit/s
95th percentile per-packet one-way delay: 19.571 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 38.85 Mbit/s
95th percentile per-packet one-way delay: 19.571 ms
Loss rate: 0.00%
```

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

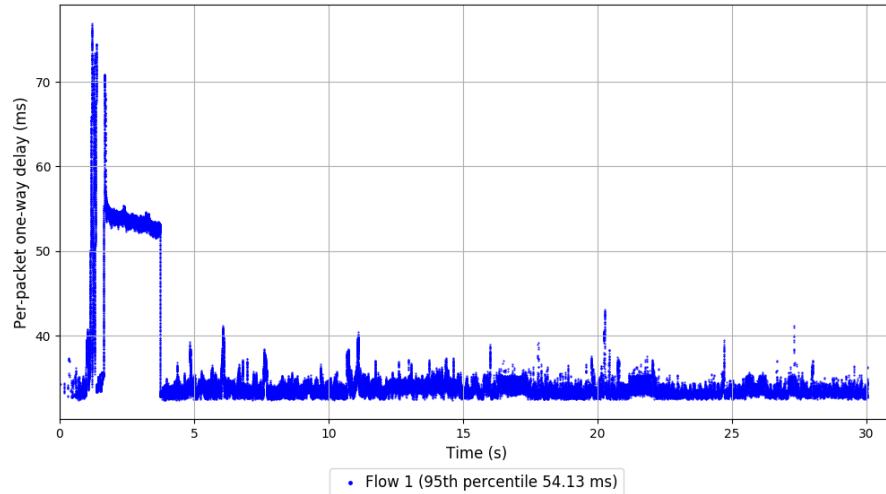
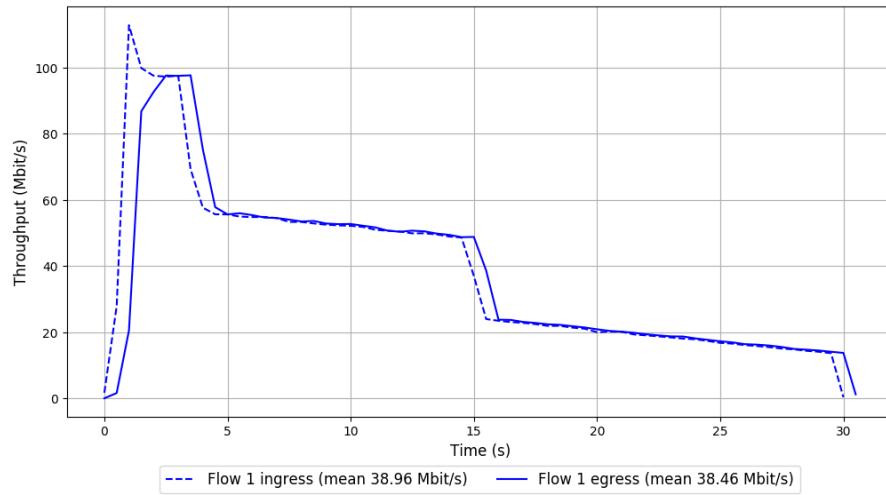


Run 4: Statistics of TCP Vegas

```
Start at: 2019-01-17 08:27:06
End at: 2019-01-17 08:27:36
Local clock offset: -0.165 ms
Remote clock offset: 12.276 ms

# Below is generated by plot.py at 2019-01-17 09:17:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.46 Mbit/s
95th percentile per-packet one-way delay: 54.132 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 38.46 Mbit/s
95th percentile per-packet one-way delay: 54.132 ms
Loss rate: 1.29%
```

Run 4: Report of TCP Vegas — Data Link

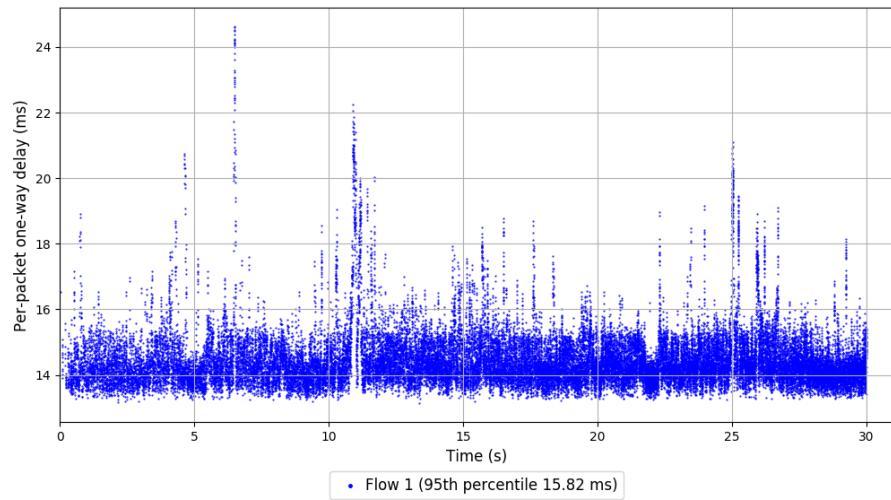
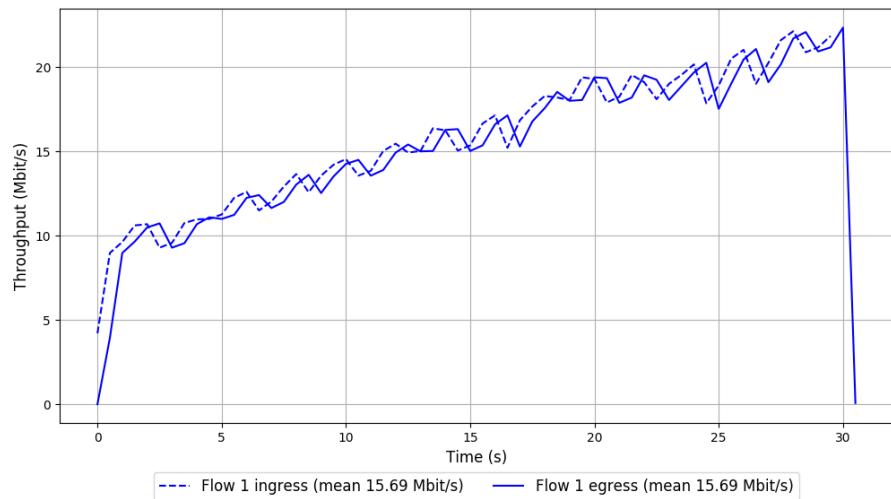


Run 5: Statistics of TCP Vegas

```
Start at: 2019-01-17 09:06:55
End at: 2019-01-17 09:07:25
Local clock offset: 0.303 ms
Remote clock offset: -12.713 ms

# Below is generated by plot.py at 2019-01-17 09:17:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.69 Mbit/s
95th percentile per-packet one-way delay: 15.819 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 15.69 Mbit/s
95th percentile per-packet one-way delay: 15.819 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

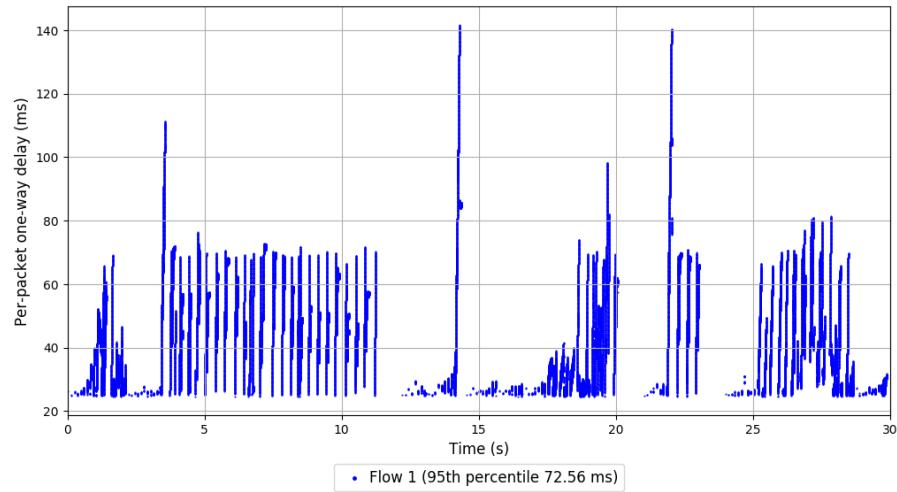
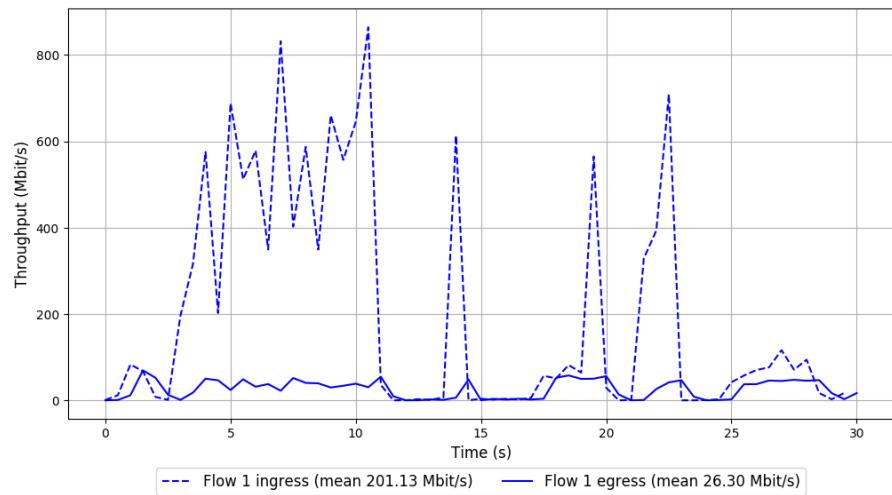


Run 1: Statistics of Verus

```
Start at: 2019-01-17 06:50:36
End at: 2019-01-17 06:51:06
Local clock offset: -0.106 ms
Remote clock offset: 14.06 ms

# Below is generated by plot.py at 2019-01-17 09:17:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.30 Mbit/s
95th percentile per-packet one-way delay: 72.560 ms
Loss rate: 86.92%
-- Flow 1:
Average throughput: 26.30 Mbit/s
95th percentile per-packet one-way delay: 72.560 ms
Loss rate: 86.92%
```

Run 1: Report of Verus — Data Link

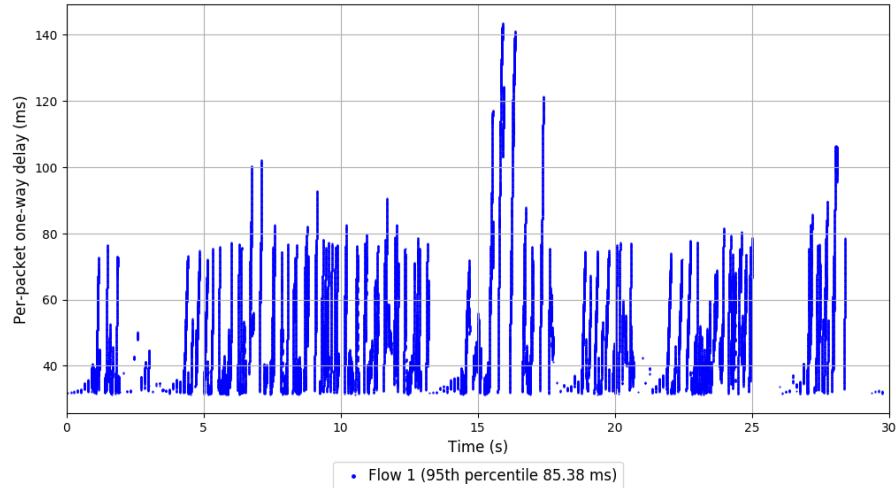
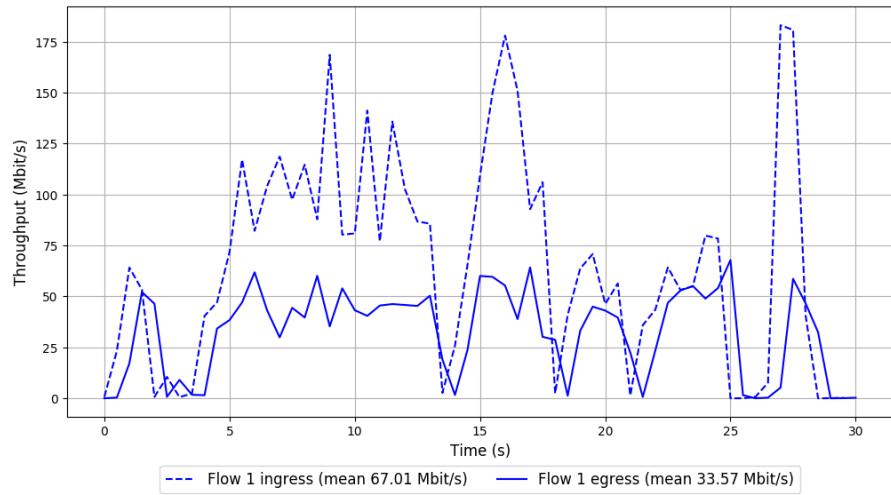


Run 2: Statistics of Verus

```
Start at: 2019-01-17 07:20:31
End at: 2019-01-17 07:21:01
Local clock offset: 0.766 ms
Remote clock offset: 20.174 ms

# Below is generated by plot.py at 2019-01-17 09:17:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.57 Mbit/s
95th percentile per-packet one-way delay: 85.377 ms
Loss rate: 49.90%
-- Flow 1:
Average throughput: 33.57 Mbit/s
95th percentile per-packet one-way delay: 85.377 ms
Loss rate: 49.90%
```

## Run 2: Report of Verus — Data Link

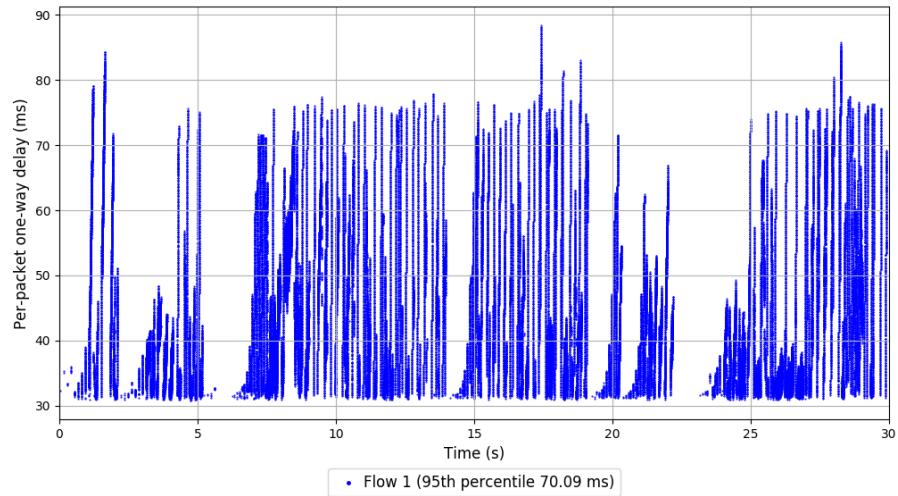
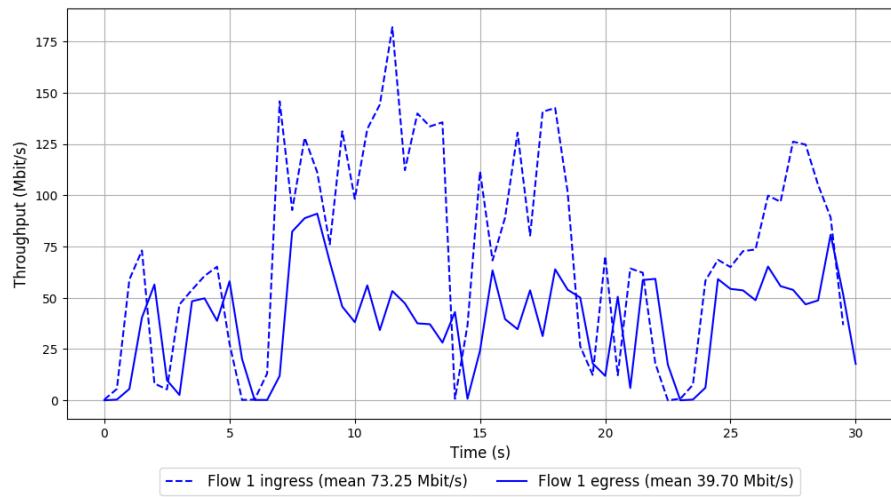


Run 3: Statistics of Verus

```
Start at: 2019-01-17 07:50:30
End at: 2019-01-17 07:51:00
Local clock offset: 0.631 ms
Remote clock offset: 14.697 ms

# Below is generated by plot.py at 2019-01-17 09:17:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.70 Mbit/s
95th percentile per-packet one-way delay: 70.089 ms
Loss rate: 45.77%
-- Flow 1:
Average throughput: 39.70 Mbit/s
95th percentile per-packet one-way delay: 70.089 ms
Loss rate: 45.77%
```

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

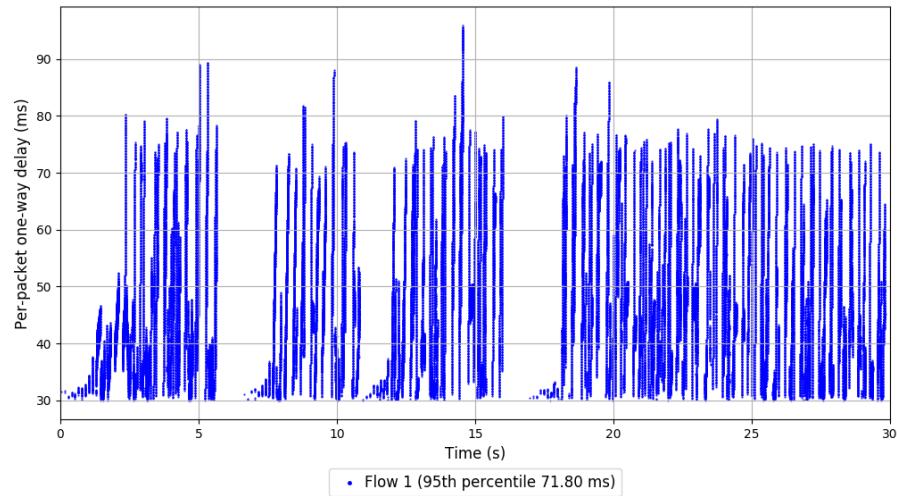
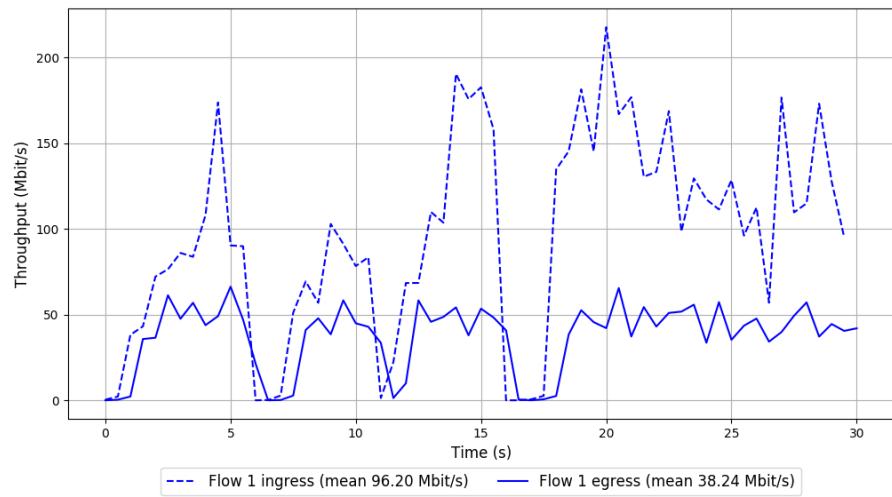


Run 4: Statistics of Verus

```
Start at: 2019-01-17 08:19:05
End at: 2019-01-17 08:19:35
Local clock offset: -0.136 ms
Remote clock offset: 11.549 ms

# Below is generated by plot.py at 2019-01-17 09:17:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.24 Mbit/s
95th percentile per-packet one-way delay: 71.796 ms
Loss rate: 60.23%
-- Flow 1:
Average throughput: 38.24 Mbit/s
95th percentile per-packet one-way delay: 71.796 ms
Loss rate: 60.23%
```

## Run 4: Report of Verus — Data Link

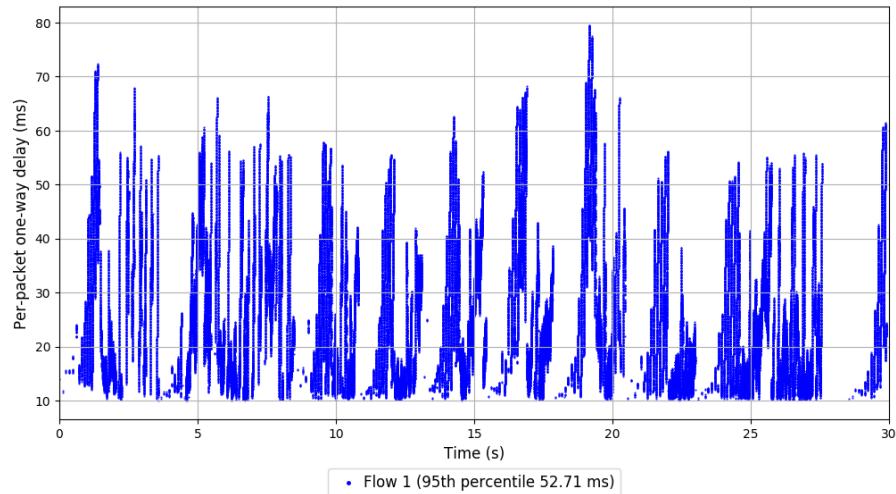
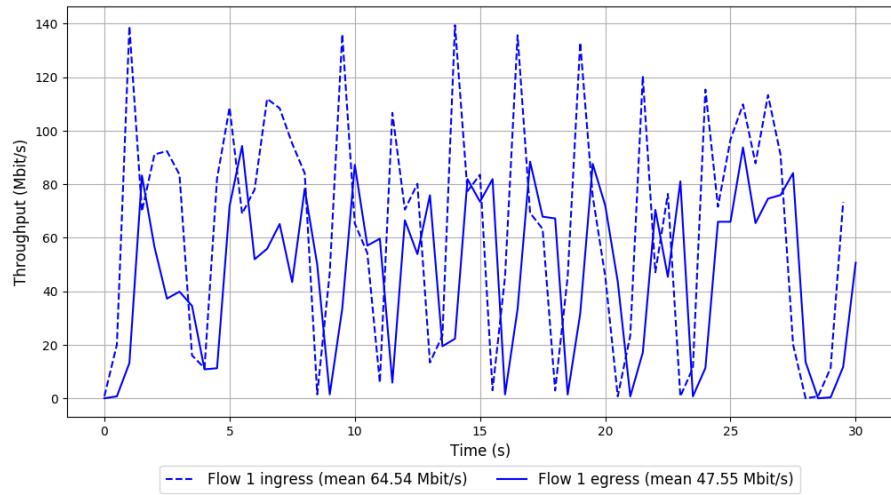


Run 5: Statistics of Verus

```
Start at: 2019-01-17 09:01:08
End at: 2019-01-17 09:01:39
Local clock offset: 2.482 ms
Remote clock offset: -12.963 ms

# Below is generated by plot.py at 2019-01-17 09:17:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.55 Mbit/s
95th percentile per-packet one-way delay: 52.712 ms
Loss rate: 26.30%
-- Flow 1:
Average throughput: 47.55 Mbit/s
95th percentile per-packet one-way delay: 52.712 ms
Loss rate: 26.30%
```

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

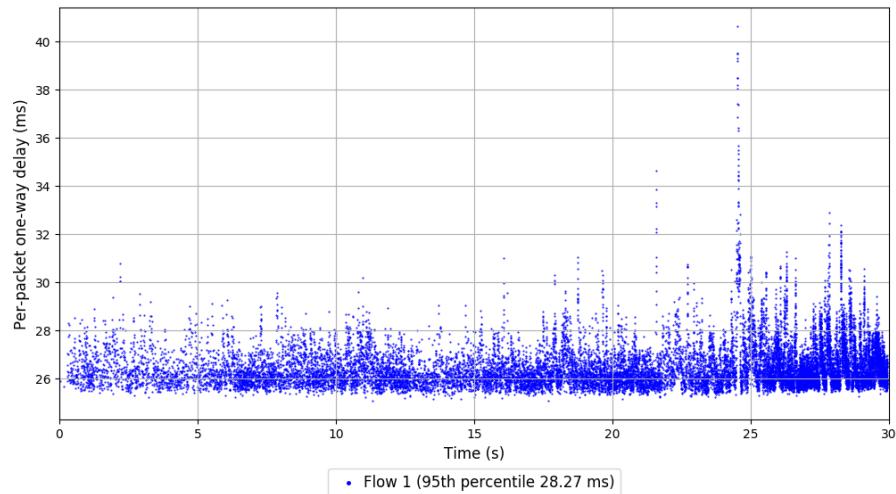
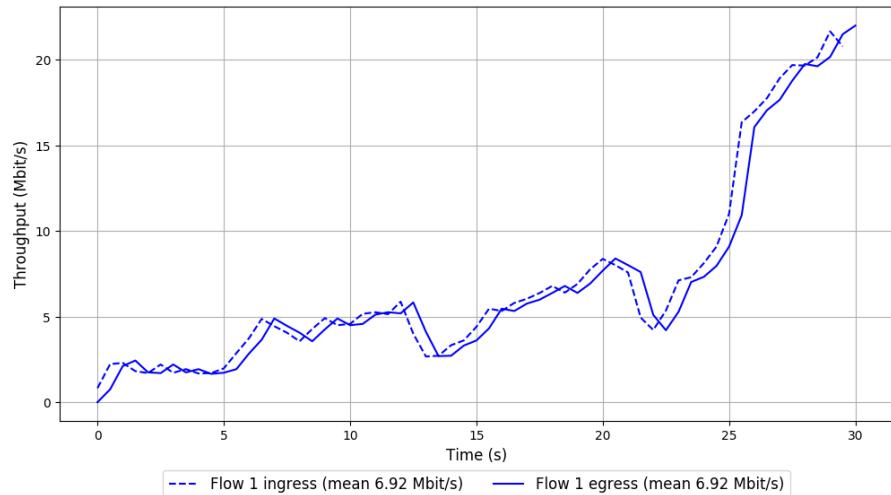


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-01-17 06:41:35
End at: 2019-01-17 06:42:05
Local clock offset: -1.823 ms
Remote clock offset: 13.854 ms

# Below is generated by plot.py at 2019-01-17 09:17:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.92 Mbit/s
95th percentile per-packet one-way delay: 28.266 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 6.92 Mbit/s
95th percentile per-packet one-way delay: 28.266 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Vivace — Data Link

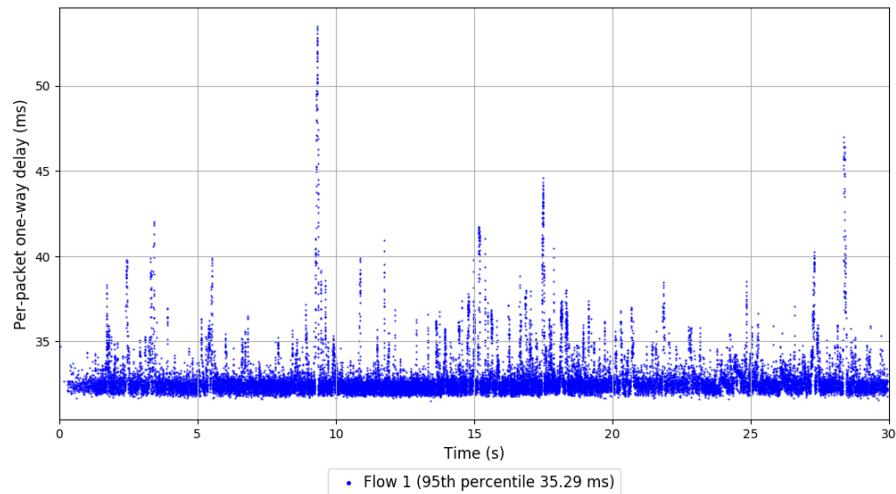
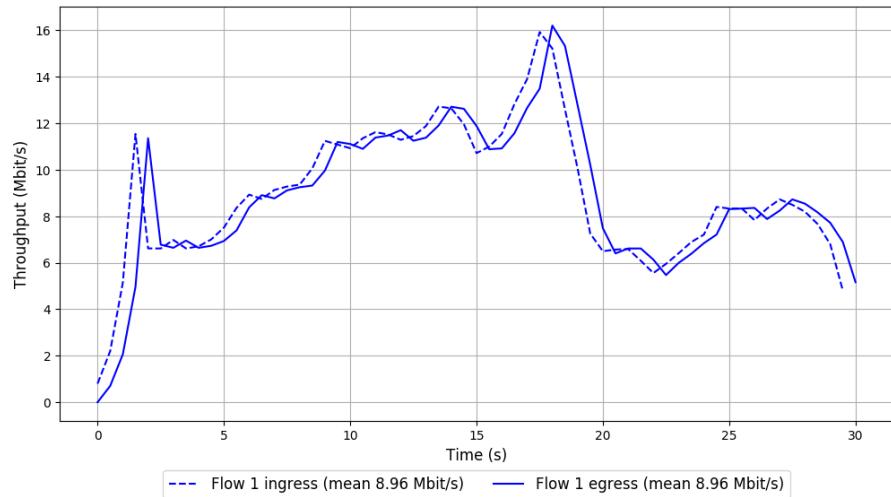


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-01-17 07:11:33
End at: 2019-01-17 07:12:03
Local clock offset: -0.779 ms
Remote clock offset: 19.106 ms

# Below is generated by plot.py at 2019-01-17 09:17:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.96 Mbit/s
95th percentile per-packet one-way delay: 35.287 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 8.96 Mbit/s
95th percentile per-packet one-way delay: 35.287 ms
Loss rate: 0.01%
```

Run 2: Report of PCC-Vivace — Data Link

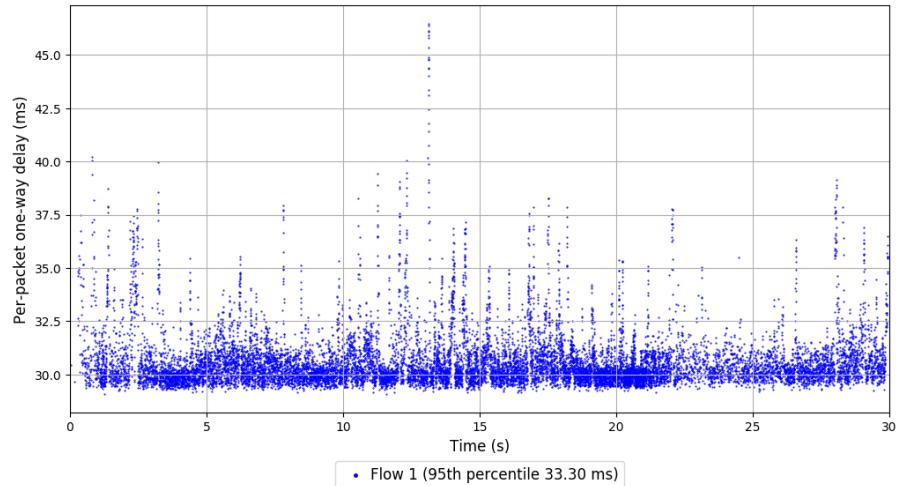
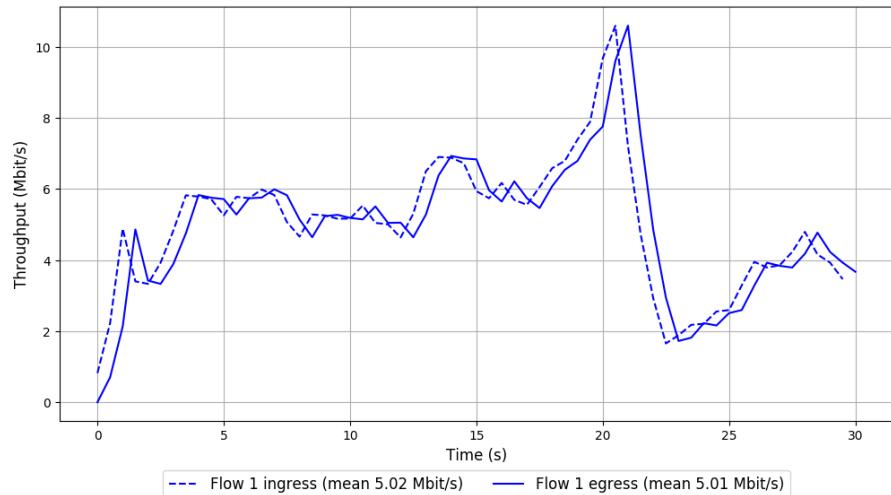


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-01-17 07:41:53
End at: 2019-01-17 07:42:23
Local clock offset: 1.843 ms
Remote clock offset: 15.209 ms

# Below is generated by plot.py at 2019-01-17 09:17:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.01 Mbit/s
95th percentile per-packet one-way delay: 33.301 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 5.01 Mbit/s
95th percentile per-packet one-way delay: 33.301 ms
Loss rate: 0.02%
```

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

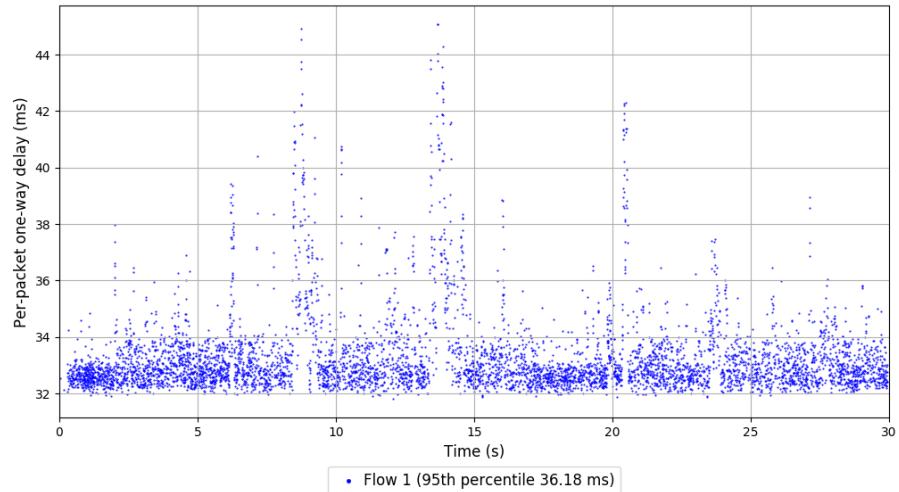
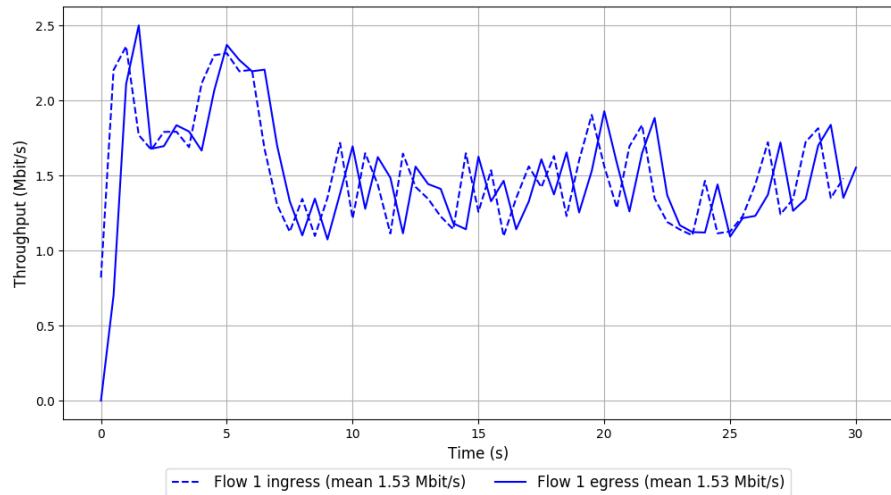


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-01-17 08:07:59
End at: 2019-01-17 08:08:30
Local clock offset: -0.907 ms
Remote clock offset: 12.389 ms

# Below is generated by plot.py at 2019-01-17 09:17:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 36.177 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.53 Mbit/s
95th percentile per-packet one-way delay: 36.177 ms
Loss rate: 0.03%
```

Run 4: Report of PCC-Vivace — Data Link

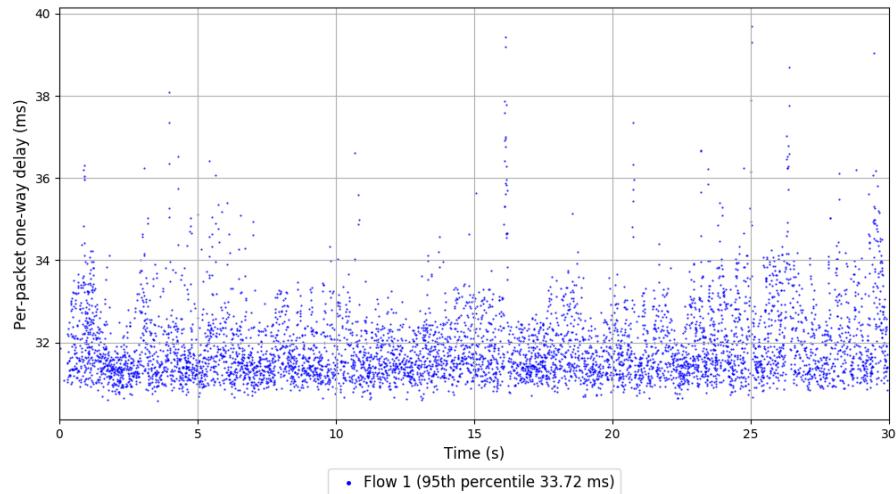
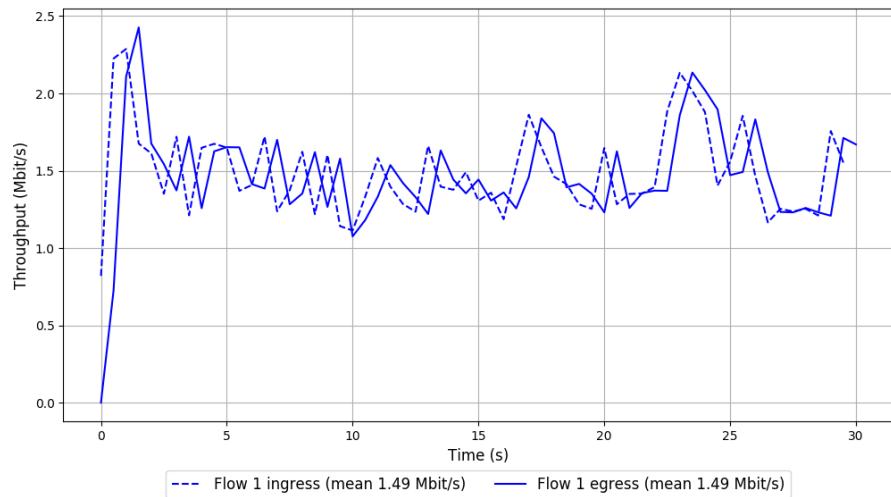


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-01-17 08:50:58
End at: 2019-01-17 08:51:28
Local clock offset: 0.822 ms
Remote clock offset: 7.493 ms

# Below is generated by plot.py at 2019-01-17 09:17:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 33.715 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 33.715 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Vivace — Data Link

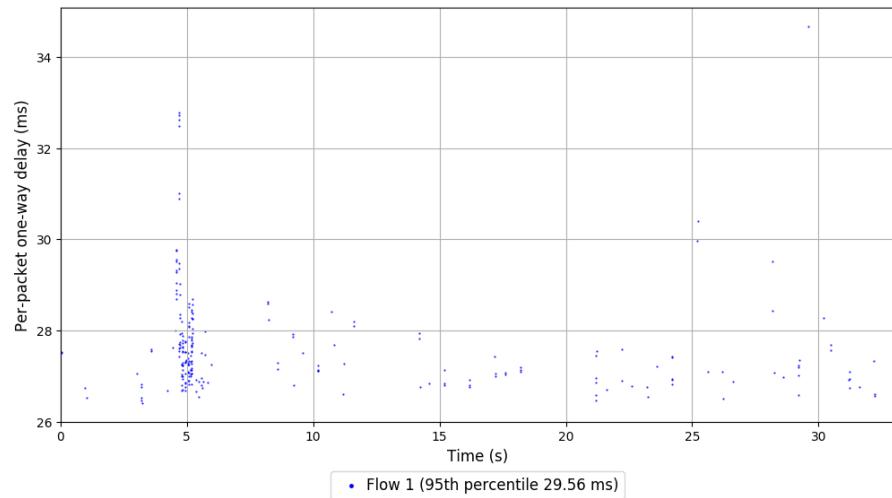
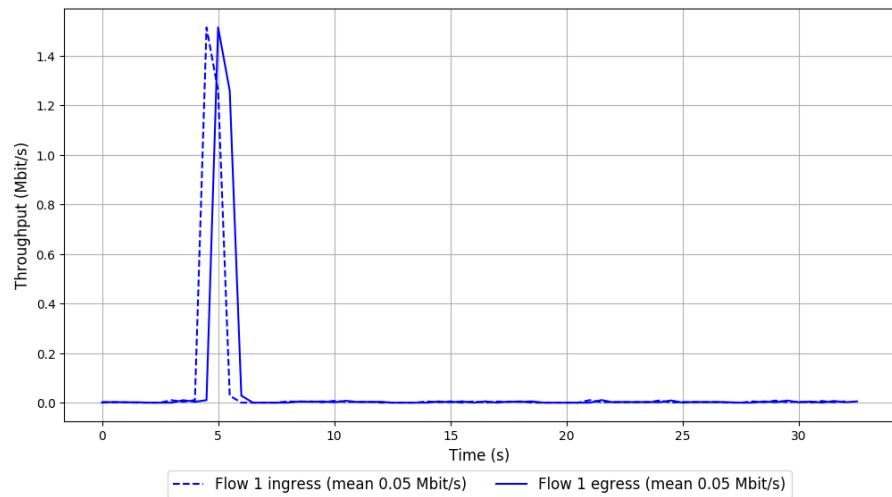


```
Run 1: Statistics of WebRTC media

Start at: 2019-01-17 06:56:57
End at: 2019-01-17 06:57:27
Local clock offset: -0.712 ms
Remote clock offset: 14.46 ms

# Below is generated by plot.py at 2019-01-17 09:17:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 29.558 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 29.558 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

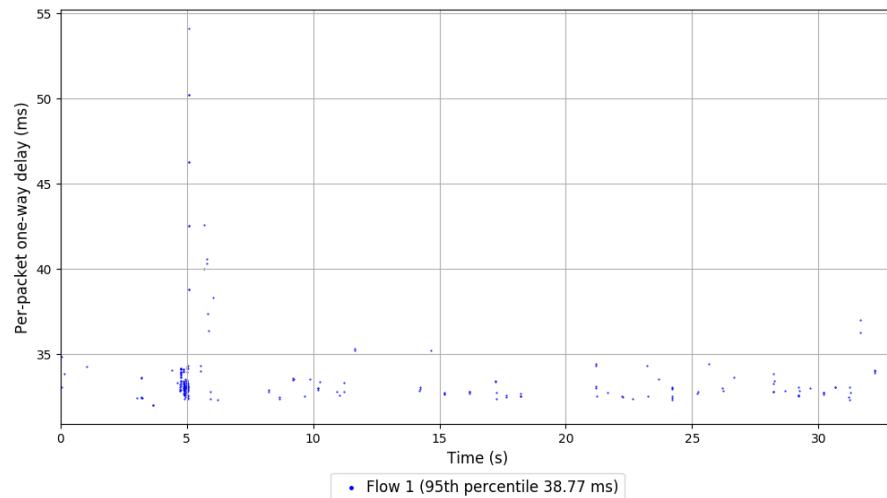
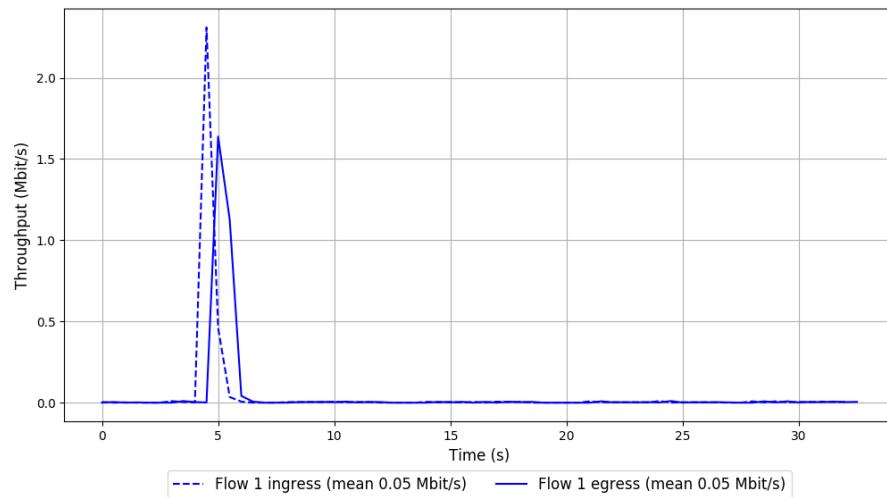


Run 2: Statistics of WebRTC media

```
Start at: 2019-01-17 07:27:06
End at: 2019-01-17 07:27:36
Local clock offset: -0.555 ms
Remote clock offset: 19.733 ms

# Below is generated by plot.py at 2019-01-17 09:17:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 38.772 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 38.772 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

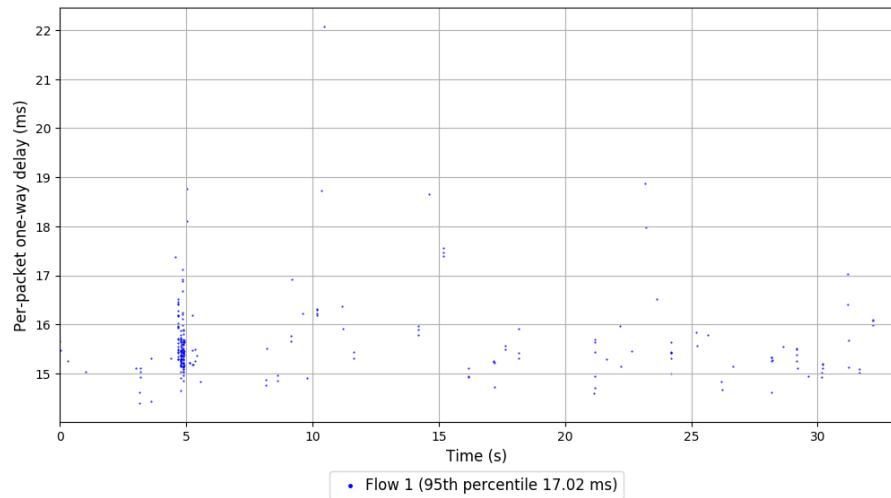
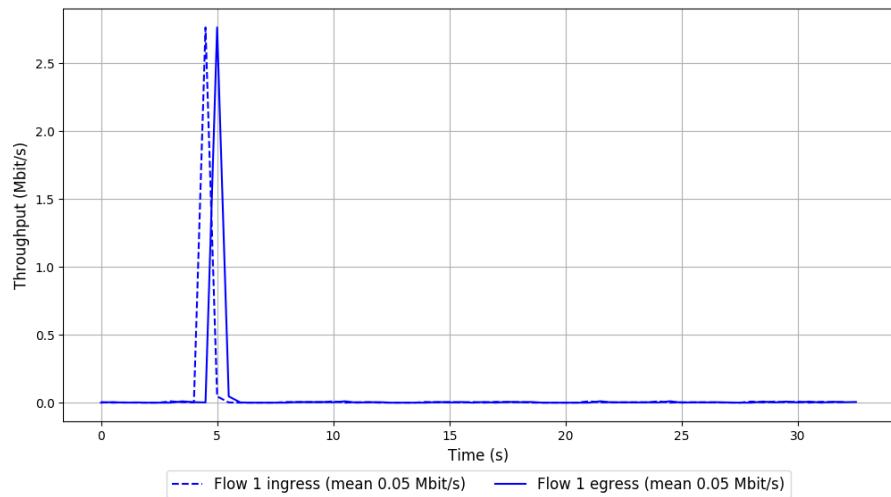


Run 3: Statistics of WebRTC media

```
Start at: 2019-01-17 07:55:17
End at: 2019-01-17 07:55:47
Local clock offset: -1.455 ms
Remote clock offset: -5.232 ms

# Below is generated by plot.py at 2019-01-17 09:17:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 17.024 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 17.024 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

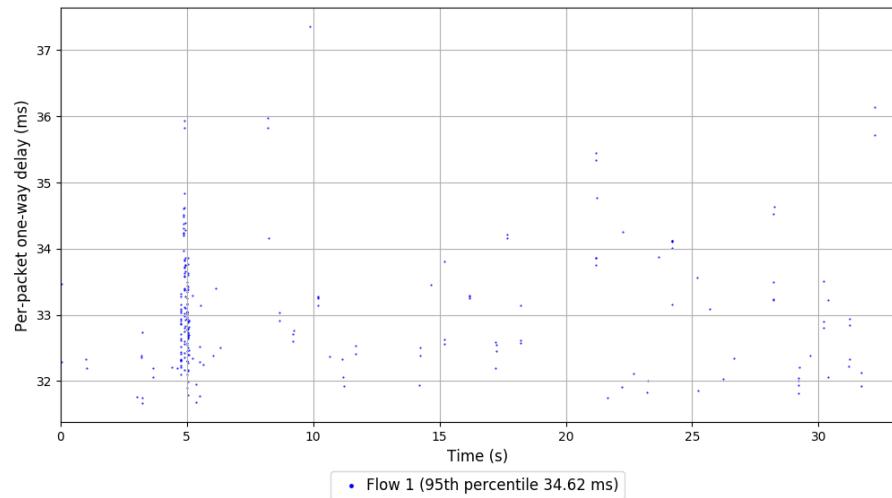
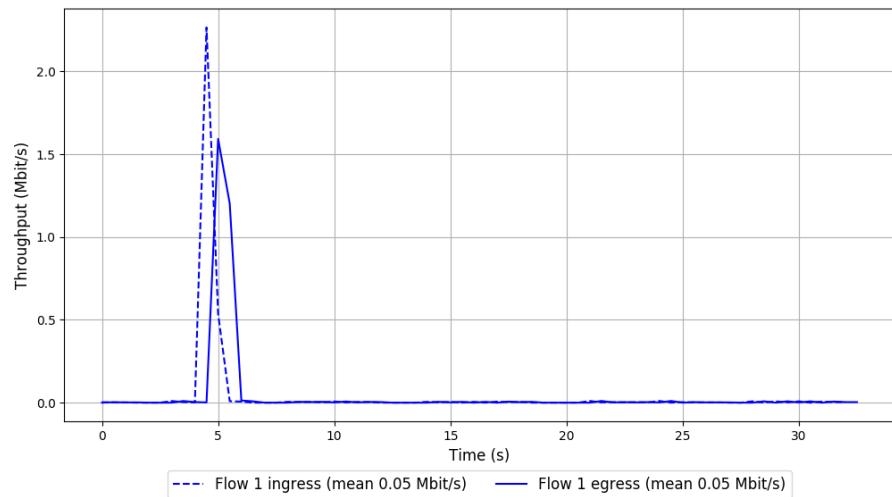


Run 4: Statistics of WebRTC media

```
Start at: 2019-01-17 08:25:59
End at: 2019-01-17 08:26:29
Local clock offset: 0.608 ms
Remote clock offset: 12.643 ms

# Below is generated by plot.py at 2019-01-17 09:17:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 34.616 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 34.616 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-01-17 09:05:48
End at: 2019-01-17 09:06:19
Local clock offset: 2.237 ms
Remote clock offset: -13.306 ms

# Below is generated by plot.py at 2019-01-17 09:17:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 10.977 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 10.977 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

