

Pantheon Report

Generated at 2019-02-05 04:38:38 (UTC).

Data path: AWS India 1 on `ens5` (*local*) → India on `em1` (*remote*).

Repeated the test of 21 congestion control schemes 5 times.

Each test lasted for 30 seconds running 1 flow.

NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

System info:

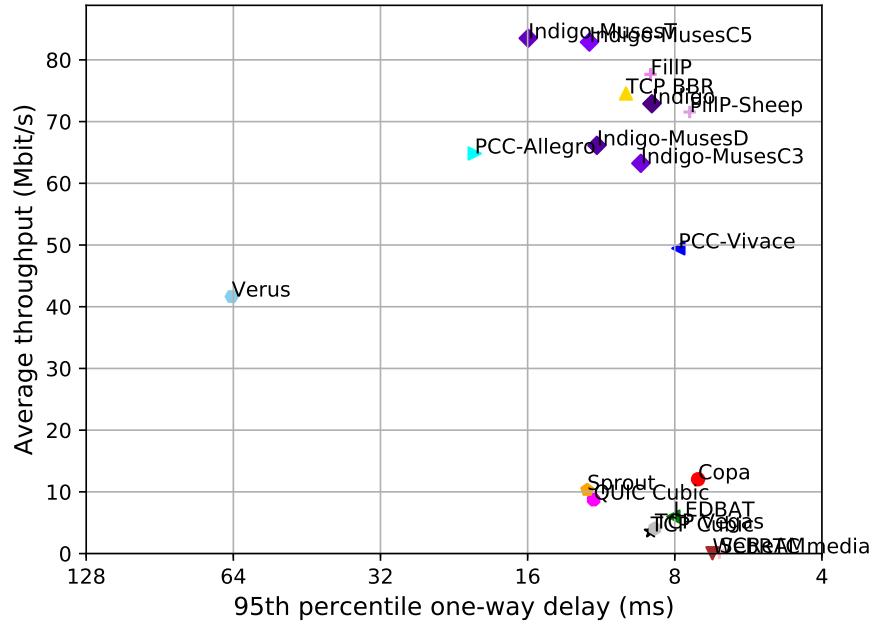
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

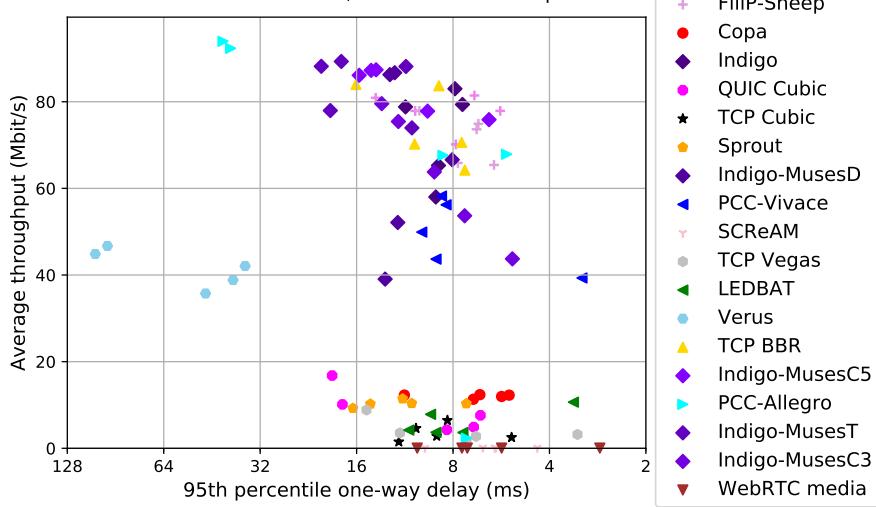
```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

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



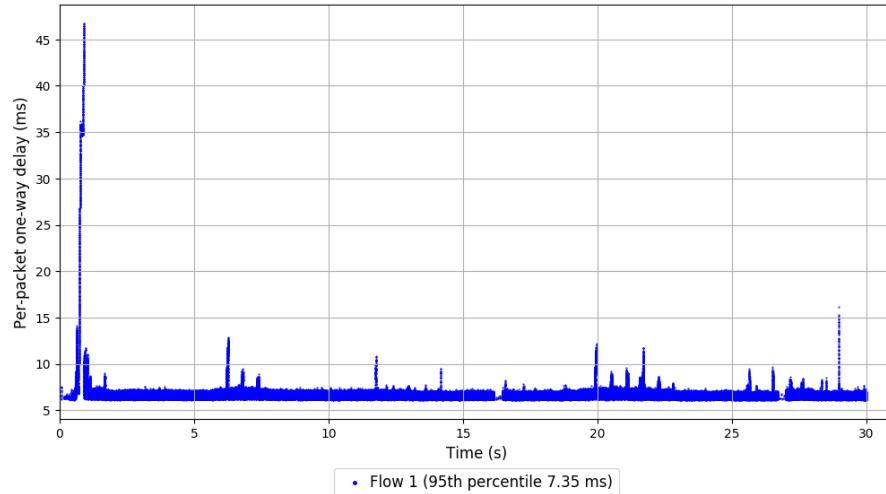
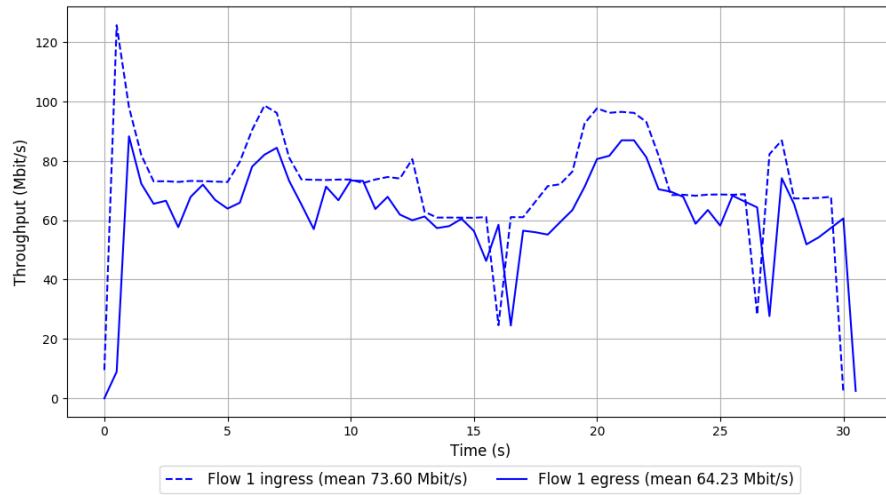
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	74.55	10.07	11.07
Copa	5	12.04	7.17	61.86
TCP Cubic	5	3.57	8.96	1.28
FillP	5	77.66	8.97	12.41
FillP-Sheep	5	71.55	7.46	11.29
Indigo	5	72.90	8.91	10.08
Indigo-MusesC3	5	63.24	9.39	9.07
Indigo-MusesC5	5	82.89	11.96	11.16
Indigo-MusesD	5	66.15	11.55	9.09
Indigo-MusesT	5	83.51	15.96	13.99
LEDBAT	5	6.00	8.05	1.02
PCC-Allegro	5	64.83	20.53	12.44
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	8.74	11.72	2.83
SCReAM	5	0.14	6.48	1.36
Sprout	5	10.32	12.09	1.62
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	4.06	8.79	1.73
Verus	5	41.65	64.50	51.11
PCC-Vivace	5	49.46	7.87	5.61
WebRTC media	5	0.05	6.70	3.33

Run 1: Statistics of TCP BBR

```
Start at: 2019-02-05 02:37:32
End at: 2019-02-05 02:38:02
Local clock offset: -3.987 ms
Remote clock offset: -4.568 ms

# Below is generated by plot.py at 2019-02-05 04:32:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.23 Mbit/s
95th percentile per-packet one-way delay: 7.351 ms
Loss rate: 12.74%
-- Flow 1:
Average throughput: 64.23 Mbit/s
95th percentile per-packet one-way delay: 7.351 ms
Loss rate: 12.74%
```

Run 1: Report of TCP BBR — Data Link

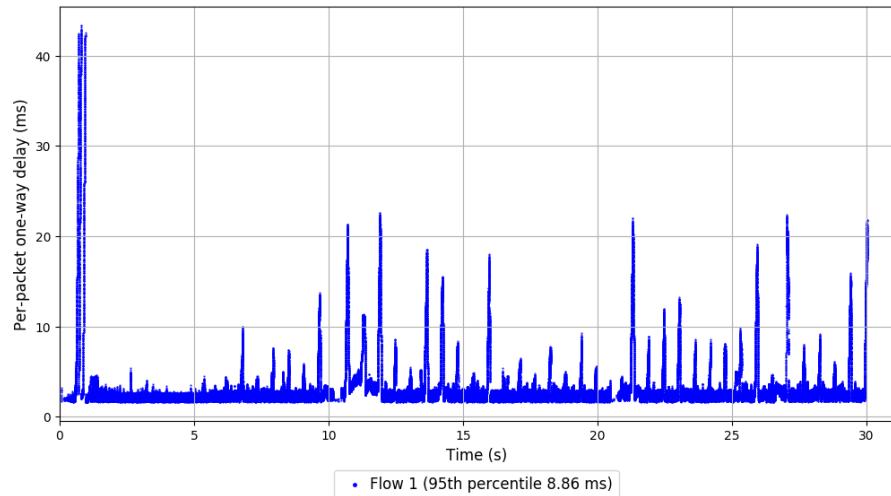
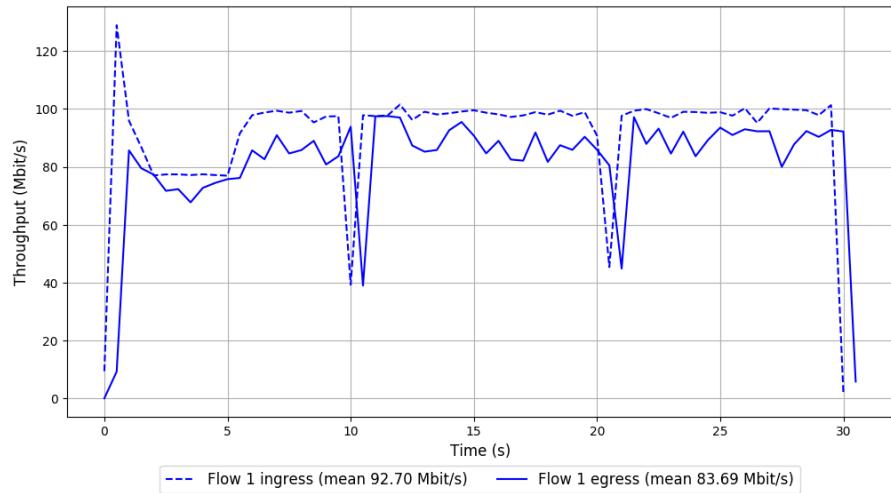


Run 2: Statistics of TCP BBR

```
Start at: 2019-02-05 03:03:21
End at: 2019-02-05 03:03:51
Local clock offset: -0.28 ms
Remote clock offset: -6.088 ms

# Below is generated by plot.py at 2019-02-05 04:32:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.69 Mbit/s
95th percentile per-packet one-way delay: 8.856 ms
Loss rate: 9.67%
-- Flow 1:
Average throughput: 83.69 Mbit/s
95th percentile per-packet one-way delay: 8.856 ms
Loss rate: 9.67%
```

Run 2: Report of TCP BBR — Data Link

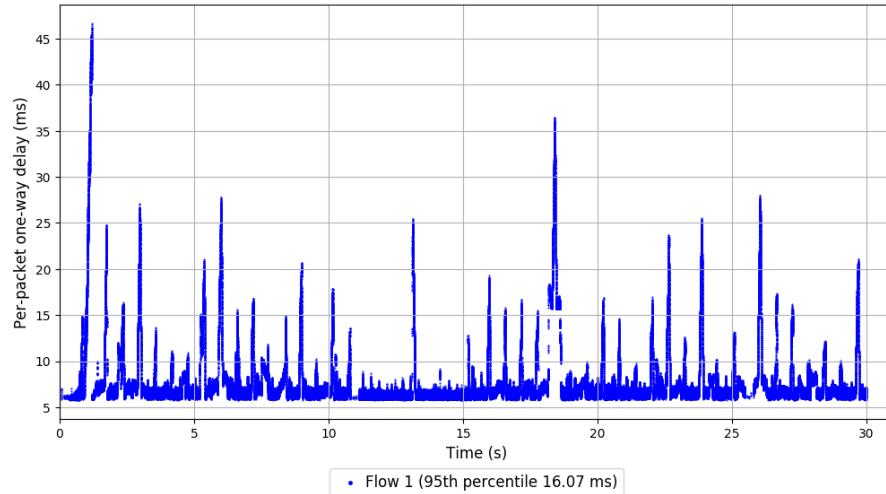
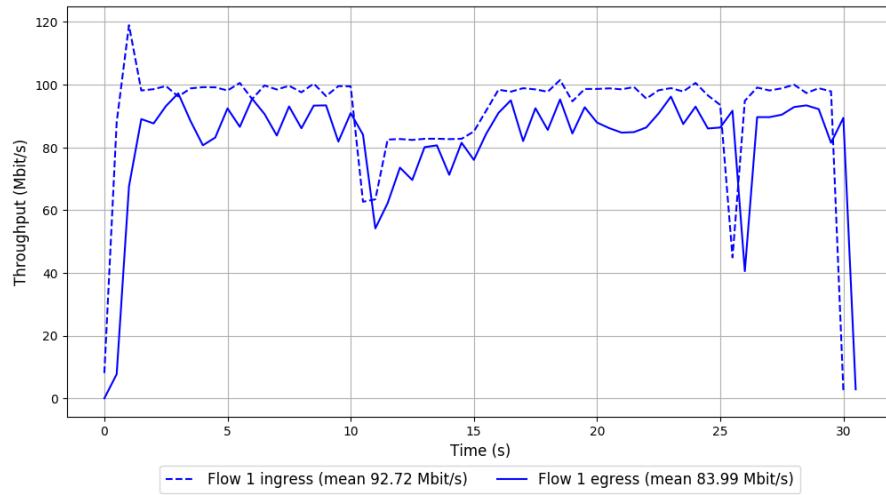


Run 3: Statistics of TCP BBR

```
Start at: 2019-02-05 03:28:46
End at: 2019-02-05 03:29:16
Local clock offset: -0.617 ms
Remote clock offset: -2.882 ms

# Below is generated by plot.py at 2019-02-05 04:32:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.99 Mbit/s
95th percentile per-packet one-way delay: 16.071 ms
Loss rate: 9.41%
-- Flow 1:
Average throughput: 83.99 Mbit/s
95th percentile per-packet one-way delay: 16.071 ms
Loss rate: 9.41%
```

Run 3: Report of TCP BBR — Data Link

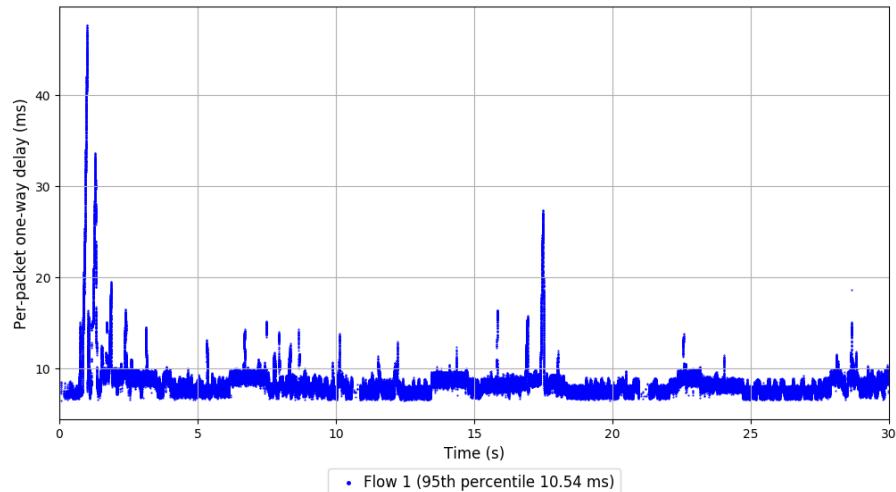
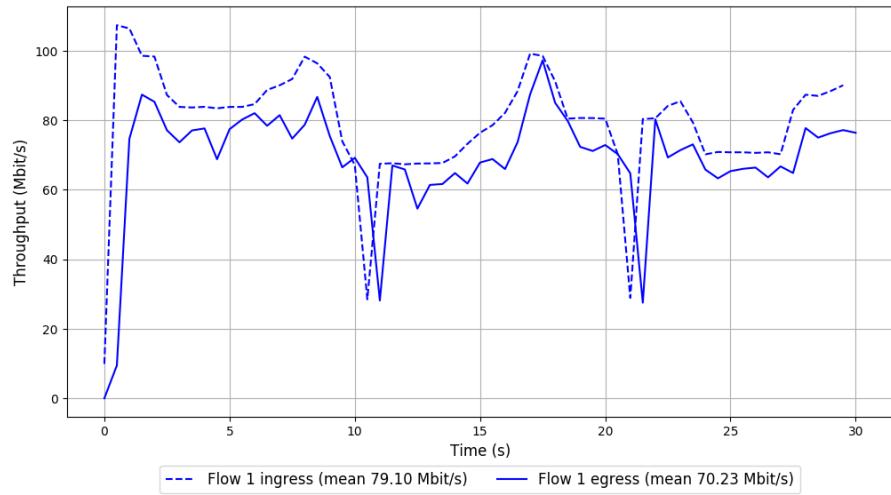


Run 4: Statistics of TCP BBR

```
Start at: 2019-02-05 03:54:27
End at: 2019-02-05 03:54:57
Local clock offset: -2.693 ms
Remote clock offset: -4.661 ms

# Below is generated by plot.py at 2019-02-05 04:32:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.23 Mbit/s
95th percentile per-packet one-way delay: 10.545 ms
Loss rate: 11.21%
-- Flow 1:
Average throughput: 70.23 Mbit/s
95th percentile per-packet one-way delay: 10.545 ms
Loss rate: 11.21%
```

Run 4: Report of TCP BBR — Data Link

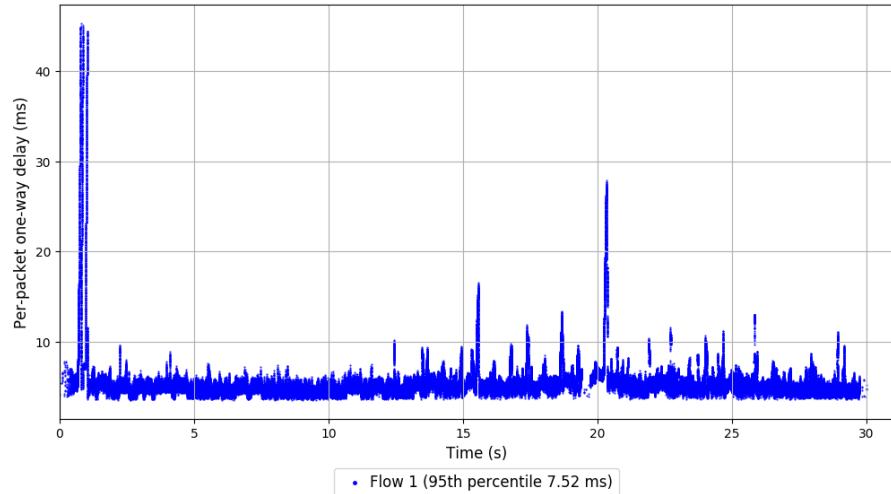
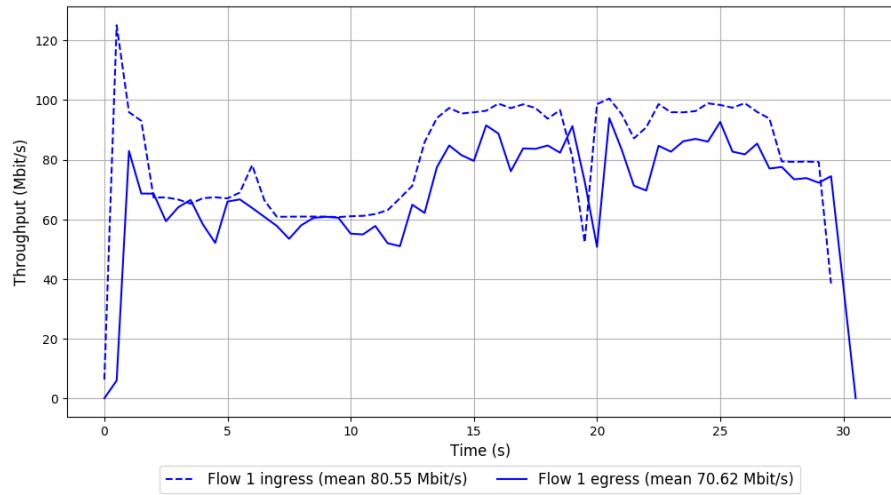


Run 5: Statistics of TCP BBR

```
Start at: 2019-02-05 04:19:21
End at: 2019-02-05 04:19:51
Local clock offset: 0.21 ms
Remote clock offset: -5.449 ms

# Below is generated by plot.py at 2019-02-05 04:32:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.62 Mbit/s
95th percentile per-packet one-way delay: 7.519 ms
Loss rate: 12.33%
-- Flow 1:
Average throughput: 70.62 Mbit/s
95th percentile per-packet one-way delay: 7.519 ms
Loss rate: 12.33%
```

Run 5: Report of TCP BBR — Data Link

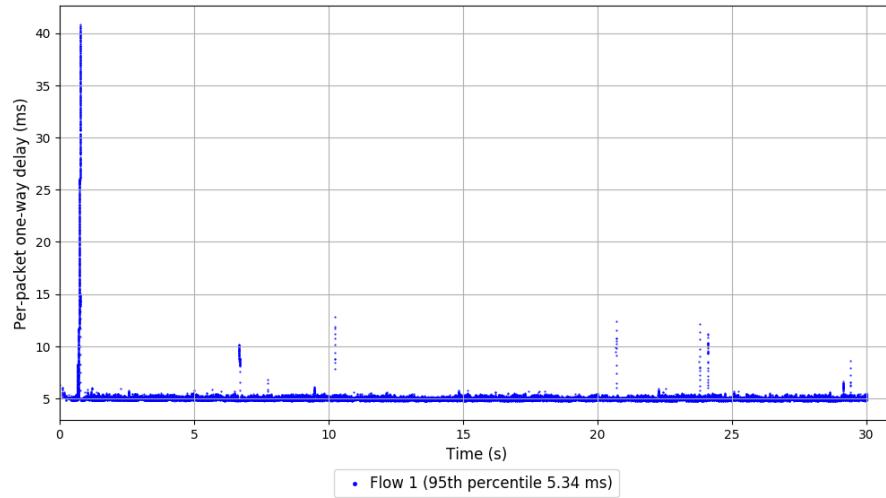
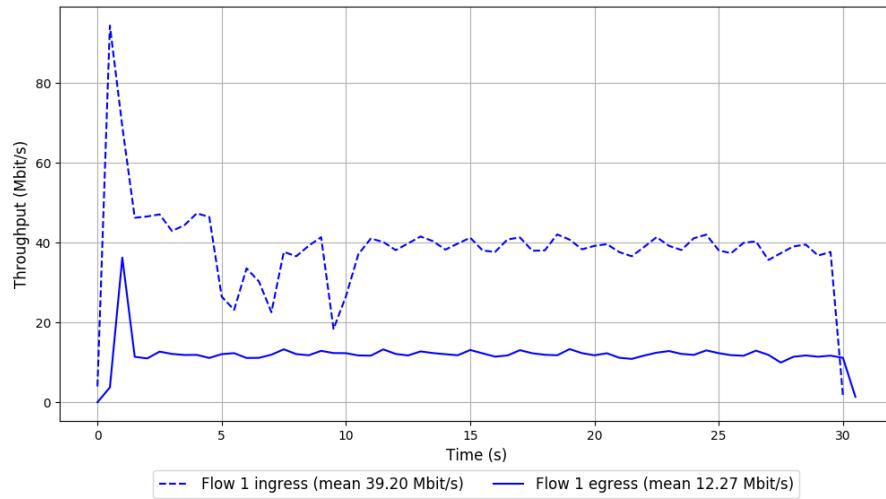


Run 1: Statistics of Copa

```
Start at: 2019-02-05 02:35:06
End at: 2019-02-05 02:35:36
Local clock offset: -3.63 ms
Remote clock offset: -5.659 ms

# Below is generated by plot.py at 2019-02-05 04:32:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.27 Mbit/s
95th percentile per-packet one-way delay: 5.344 ms
Loss rate: 68.71%
-- Flow 1:
Average throughput: 12.27 Mbit/s
95th percentile per-packet one-way delay: 5.344 ms
Loss rate: 68.71%
```

Run 1: Report of Copa — Data Link

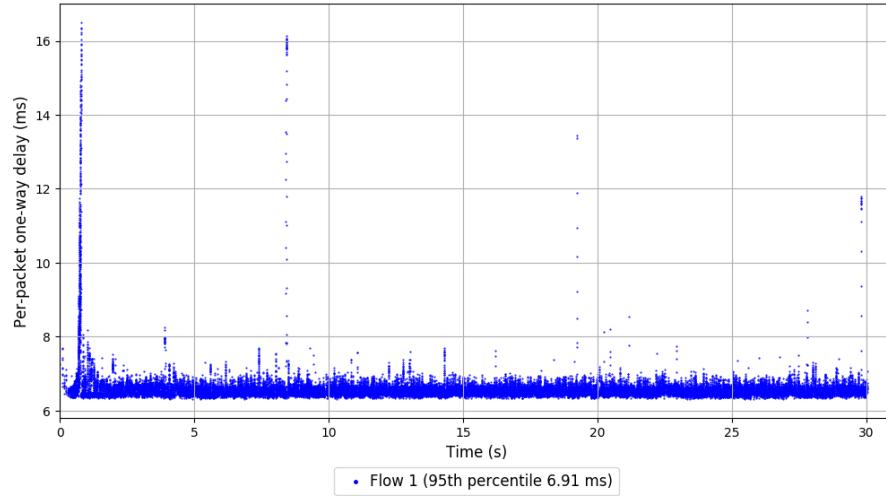
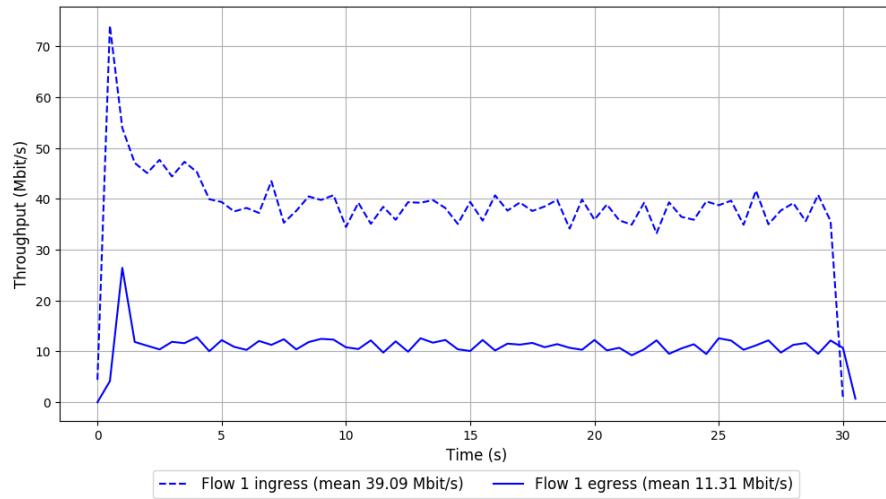


Run 2: Statistics of Copa

```
Start at: 2019-02-05 03:00:59
End at: 2019-02-05 03:01:29
Local clock offset: -4.195 ms
Remote clock offset: -5.291 ms

# Below is generated by plot.py at 2019-02-05 04:32:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.31 Mbit/s
95th percentile per-packet one-way delay: 6.913 ms
Loss rate: 71.05%
-- Flow 1:
Average throughput: 11.31 Mbit/s
95th percentile per-packet one-way delay: 6.913 ms
Loss rate: 71.05%
```

Run 2: Report of Copa — Data Link

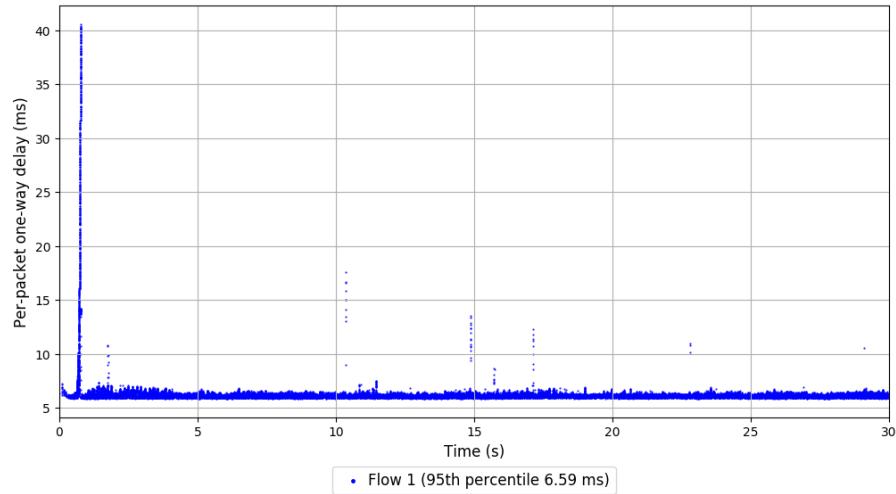
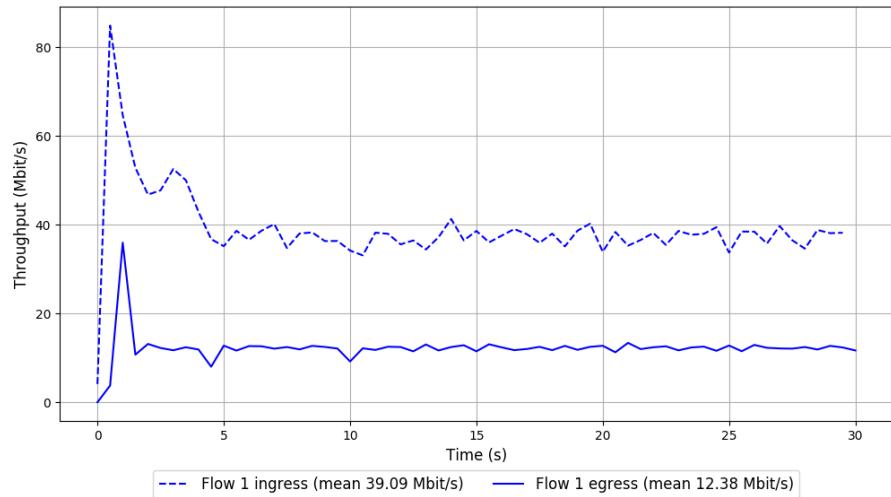


Run 3: Statistics of Copa

```
Start at: 2019-02-05 03:26:19
End at: 2019-02-05 03:26:49
Local clock offset: -0.222 ms
Remote clock offset: -2.267 ms

# Below is generated by plot.py at 2019-02-05 04:32:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 6.595 ms
Loss rate: 68.33%
-- Flow 1:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 6.595 ms
Loss rate: 68.33%
```

Run 3: Report of Copa — Data Link

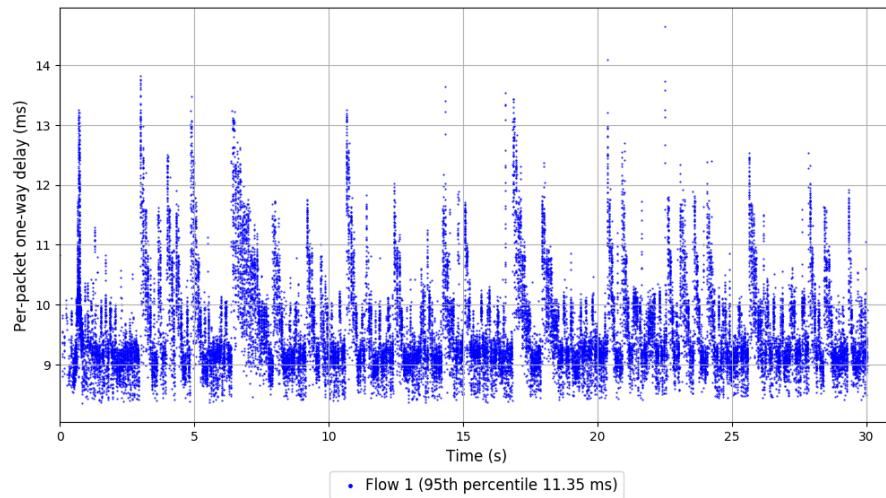
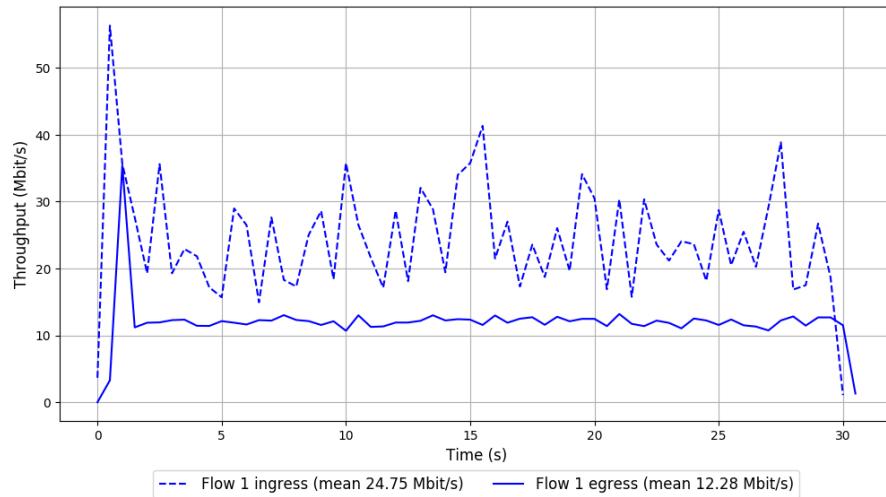


Run 4: Statistics of Copa

```
Start at: 2019-02-05 03:52:02
End at: 2019-02-05 03:52:32
Local clock offset: -2.635 ms
Remote clock offset: -2.48 ms

# Below is generated by plot.py at 2019-02-05 04:32:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.28 Mbit/s
95th percentile per-packet one-way delay: 11.348 ms
Loss rate: 50.38%
-- Flow 1:
Average throughput: 12.28 Mbit/s
95th percentile per-packet one-way delay: 11.348 ms
Loss rate: 50.38%
```

Run 4: Report of Copa — Data Link

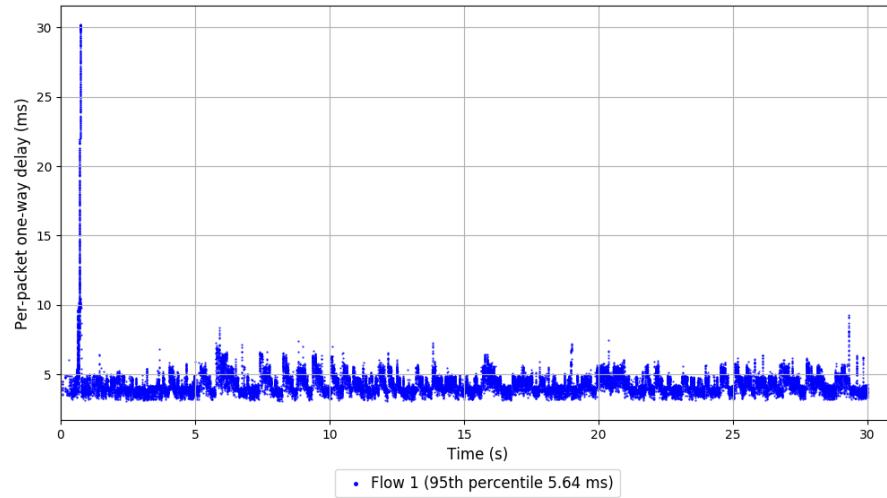
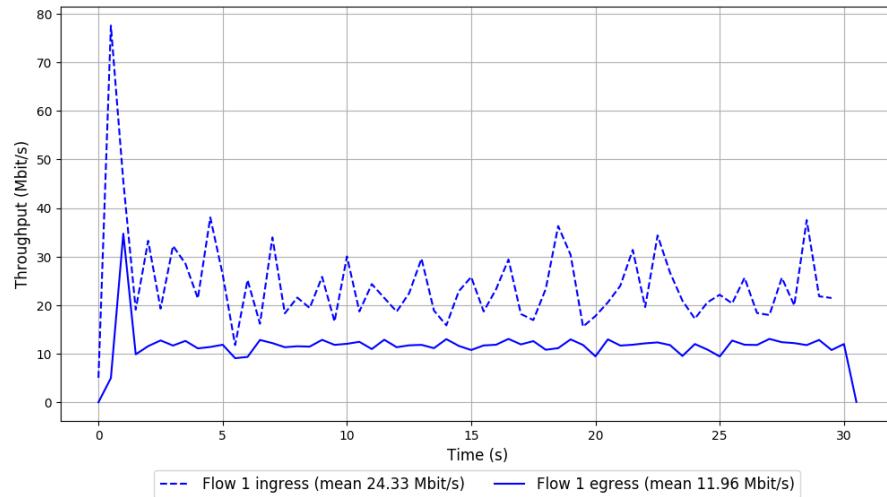


Run 5: Statistics of Copa

```
Start at: 2019-02-05 04:16:58
End at: 2019-02-05 04:17:28
Local clock offset: -0.906 ms
Remote clock offset: -6.837 ms

# Below is generated by plot.py at 2019-02-05 04:32:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 5.643 ms
Loss rate: 50.84%
-- Flow 1:
Average throughput: 11.96 Mbit/s
95th percentile per-packet one-way delay: 5.643 ms
Loss rate: 50.84%
```

Run 5: Report of Copa — Data Link

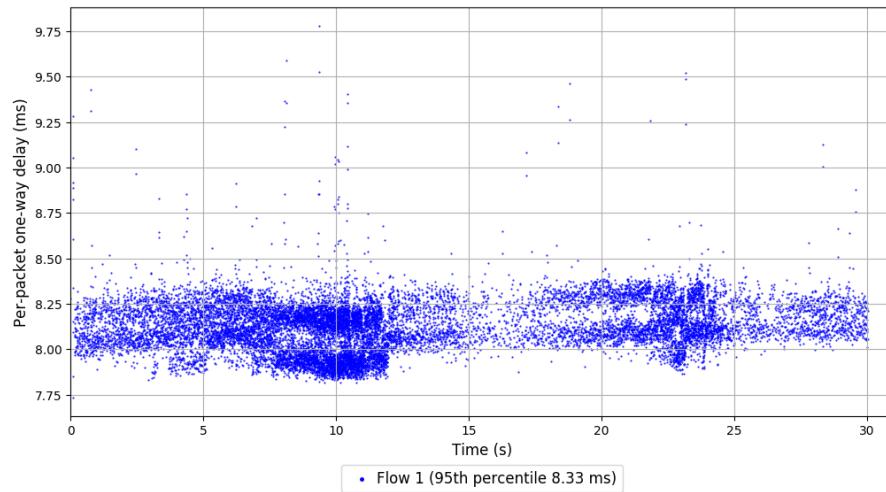
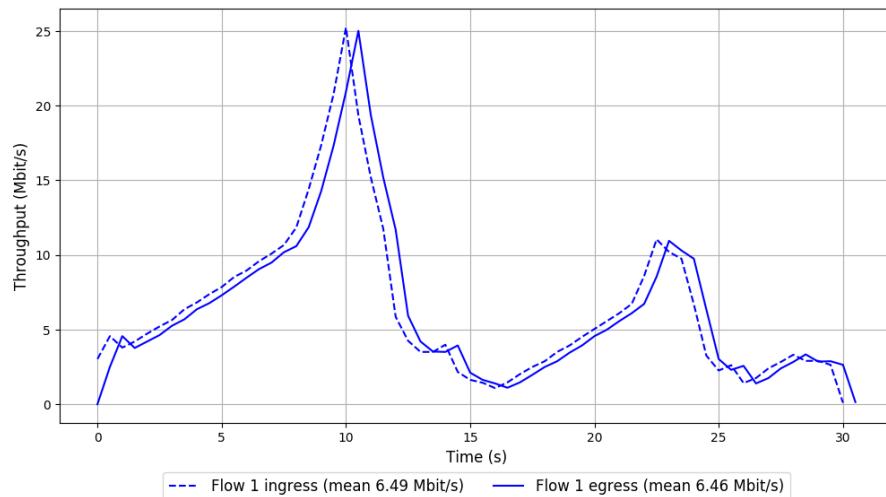


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-02-05 02:48:19
End at: 2019-02-05 02:48:49
Local clock offset: -5.143 ms
Remote clock offset: -3.982 ms

# Below is generated by plot.py at 2019-02-05 04:32:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 8.327 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 6.46 Mbit/s
95th percentile per-packet one-way delay: 8.327 ms
Loss rate: 0.44%
```

Run 1: Report of TCP Cubic — Data Link

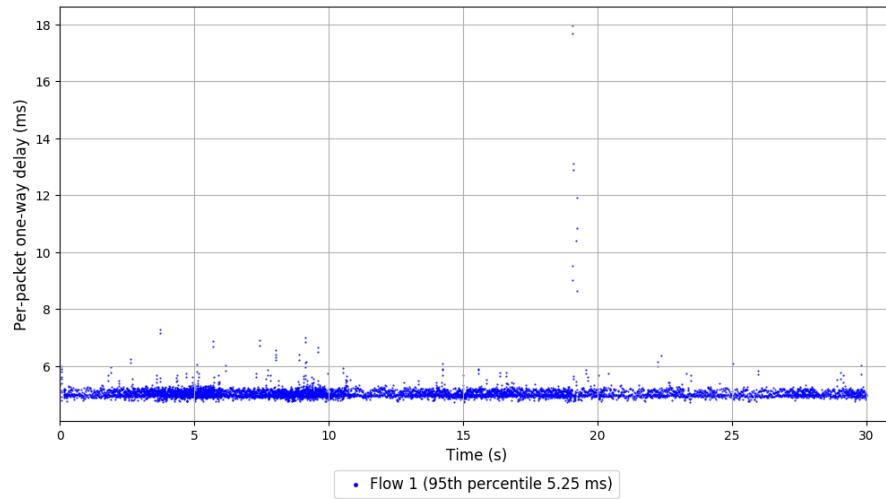
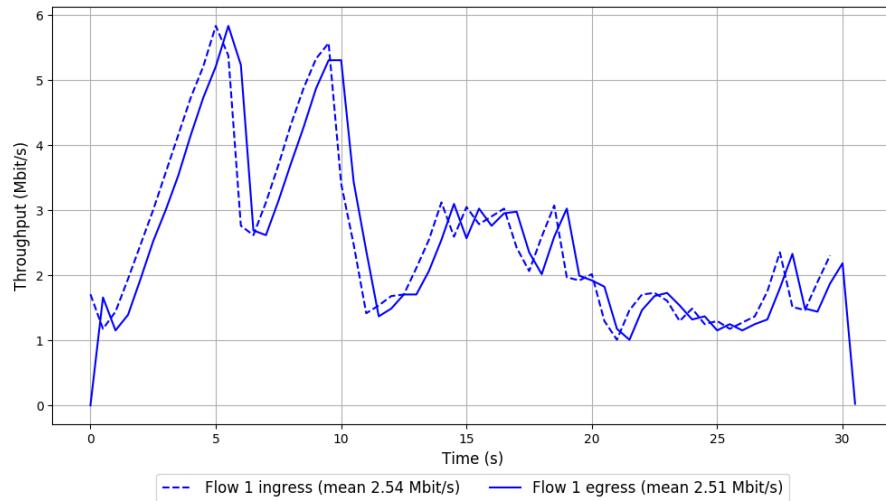


Run 2: Statistics of TCP Cubic

```
Start at: 2019-02-05 03:14:19
End at: 2019-02-05 03:14:49
Local clock offset: -2.07 ms
Remote clock offset: -4.592 ms

# Below is generated by plot.py at 2019-02-05 04:32:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 5.252 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 2.51 Mbit/s
95th percentile per-packet one-way delay: 5.252 ms
Loss rate: 1.27%
```

Run 2: Report of TCP Cubic — Data Link

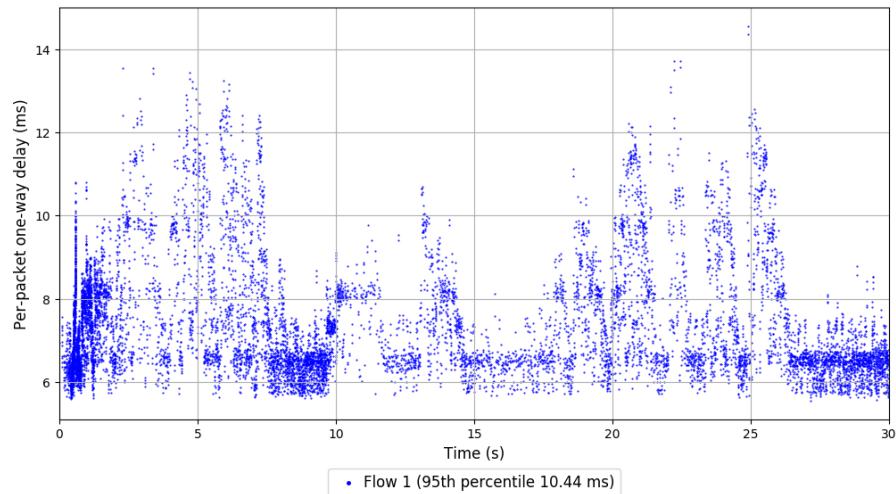
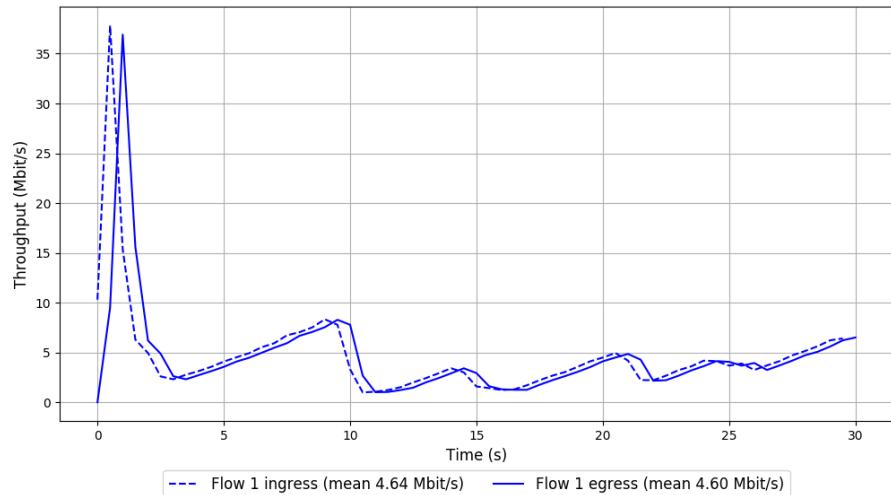


Run 3: Statistics of TCP Cubic

```
Start at: 2019-02-05 03:39:29
End at: 2019-02-05 03:39:59
Local clock offset: -0.605 ms
Remote clock offset: -3.058 ms

# Below is generated by plot.py at 2019-02-05 04:32:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 10.441 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 4.60 Mbit/s
95th percentile per-packet one-way delay: 10.441 ms
Loss rate: 0.98%
```

Run 3: Report of TCP Cubic — Data Link

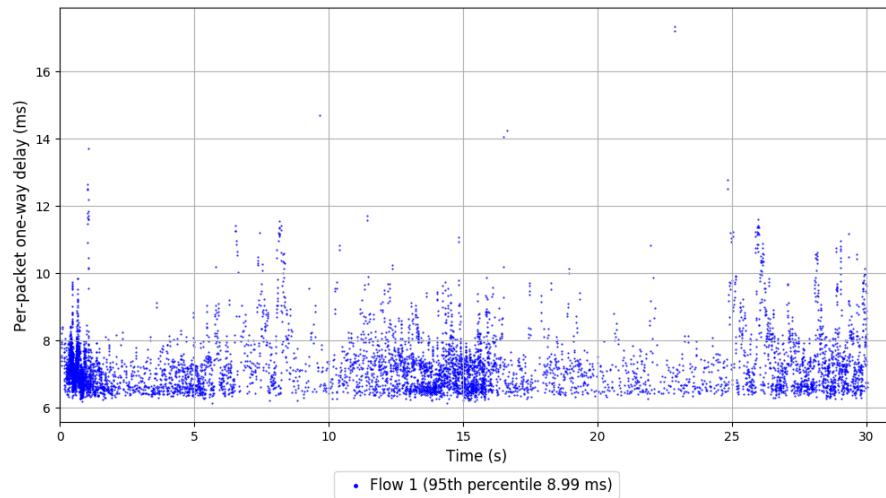
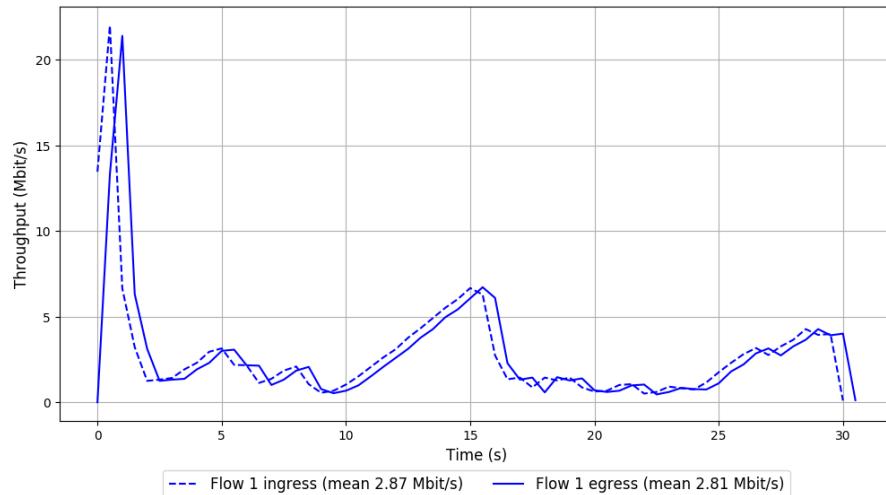


Run 4: Statistics of TCP Cubic

```
Start at: 2019-02-05 04:05:14
End at: 2019-02-05 04:05:44
Local clock offset: -2.801 ms
Remote clock offset: -5.425 ms

# Below is generated by plot.py at 2019-02-05 04:32:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 8.994 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 2.81 Mbit/s
95th percentile per-packet one-way delay: 8.994 ms
Loss rate: 1.93%
```

Run 4: Report of TCP Cubic — Data Link

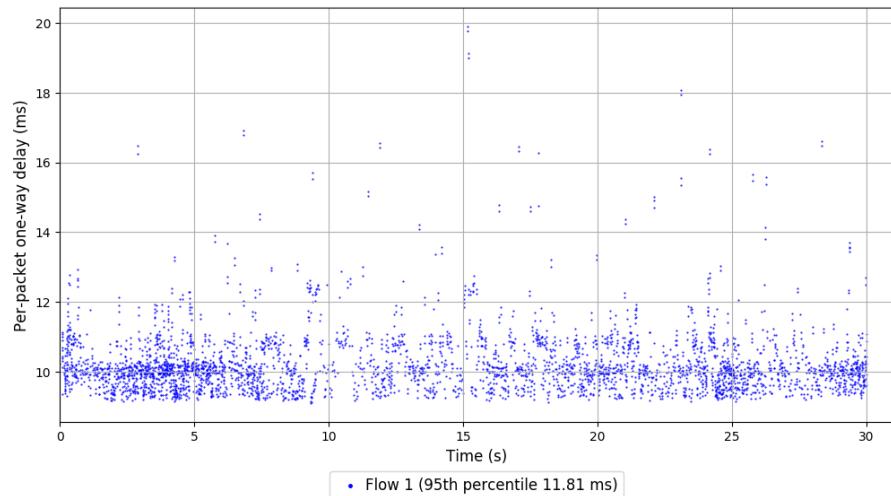
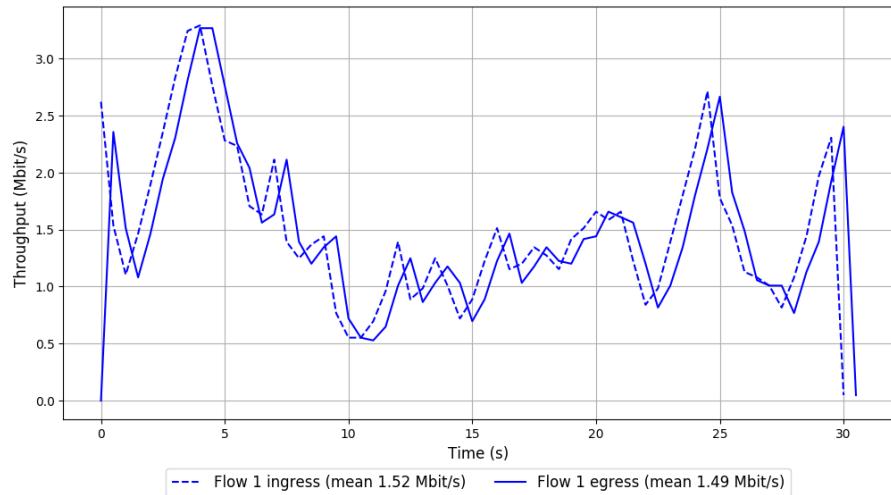


Run 5: Statistics of TCP Cubic

```
Start at: 2019-02-05 04:30:08
End at: 2019-02-05 04:30:38
Local clock offset: -1.058 ms
Remote clock offset: -1.726 ms

# Below is generated by plot.py at 2019-02-05 04:32:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 11.811 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 11.811 ms
Loss rate: 1.79%
```

Run 5: Report of TCP Cubic — Data Link

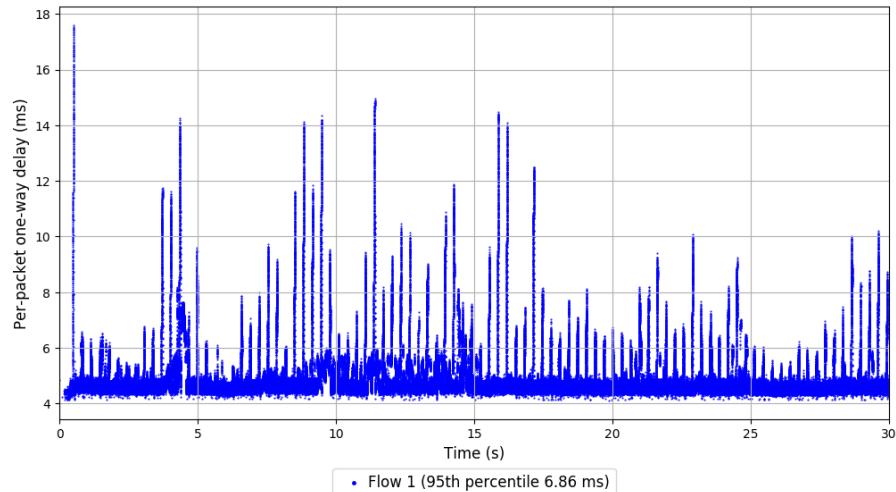
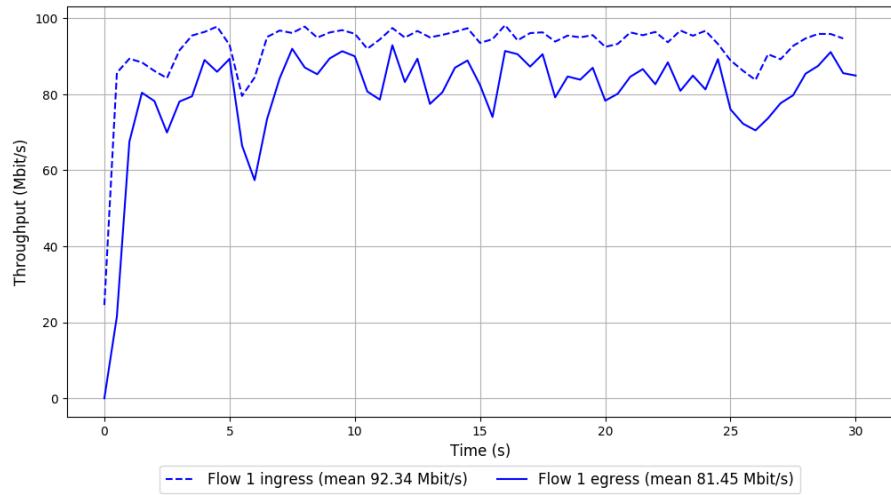


```
Run 1: Statistics of FillP
```

```
Start at: 2019-02-05 02:33:40
End at: 2019-02-05 02:34:10
Local clock offset: -2.187 ms
Remote clock offset: -5.839 ms

# Below is generated by plot.py at 2019-02-05 04:33:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.45 Mbit/s
95th percentile per-packet one-way delay: 6.860 ms
Loss rate: 11.80%
-- Flow 1:
Average throughput: 81.45 Mbit/s
95th percentile per-packet one-way delay: 6.860 ms
Loss rate: 11.80%
```

Run 1: Report of FillP — Data Link

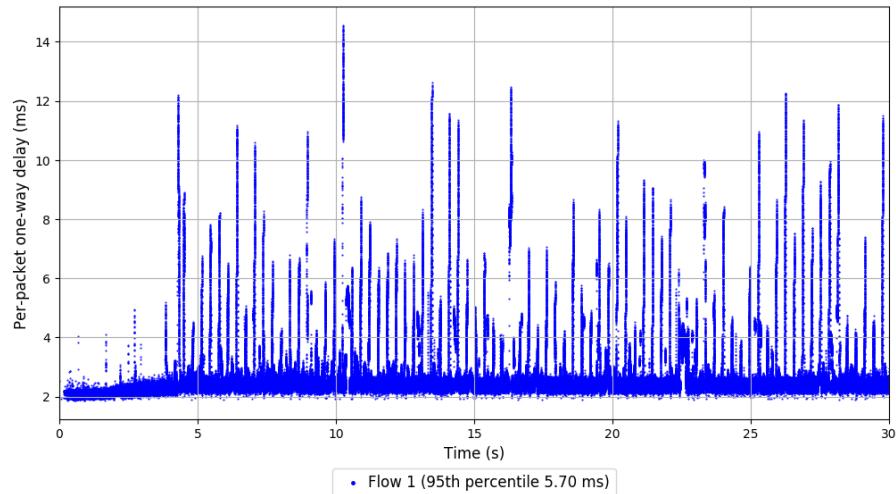
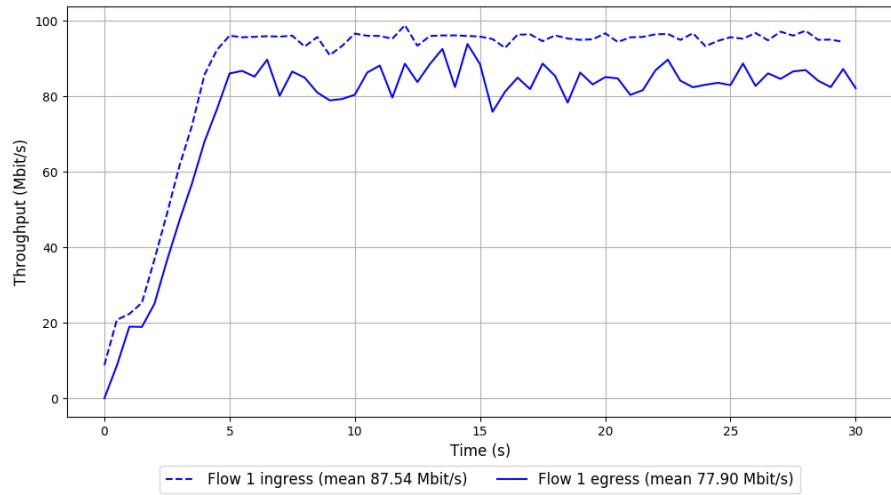


```
Run 2: Statistics of FillP
```

```
Start at: 2019-02-05 02:59:31
End at: 2019-02-05 03:00:01
Local clock offset: 0.254 ms
Remote clock offset: -5.14 ms

# Below is generated by plot.py at 2019-02-05 04:33:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.90 Mbit/s
95th percentile per-packet one-way delay: 5.700 ms
Loss rate: 11.02%
-- Flow 1:
Average throughput: 77.90 Mbit/s
95th percentile per-packet one-way delay: 5.700 ms
Loss rate: 11.02%
```

Run 2: Report of FillP — Data Link

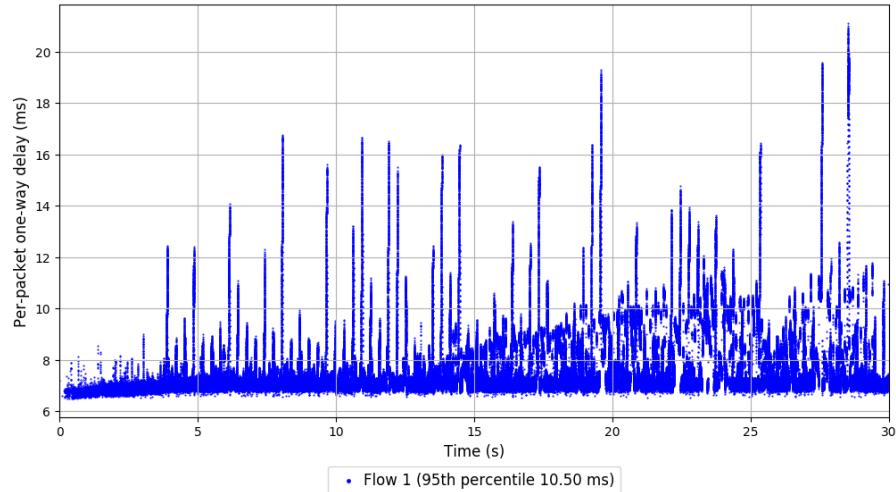
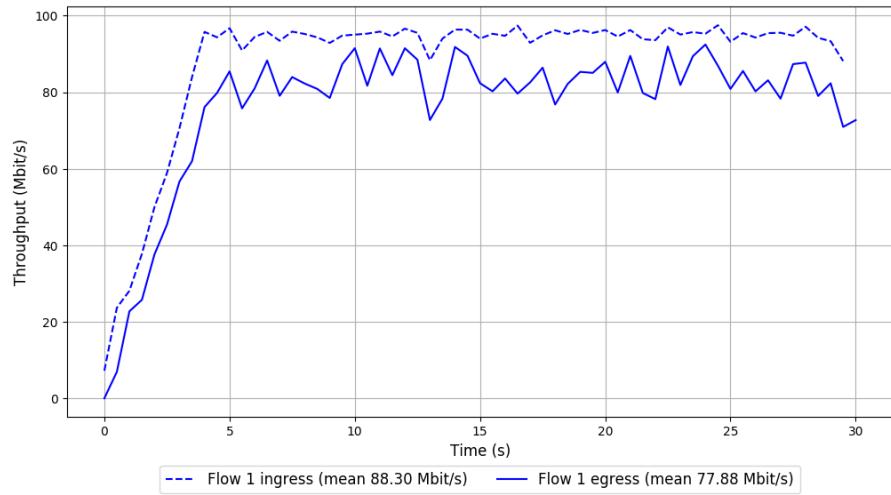


Run 3: Statistics of FillP

```
Start at: 2019-02-05 03:25:03
End at: 2019-02-05 03:25:33
Local clock offset: -0.399 ms
Remote clock offset: -2.775 ms

# Below is generated by plot.py at 2019-02-05 04:33:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.88 Mbit/s
95th percentile per-packet one-way delay: 10.498 ms
Loss rate: 11.80%
-- Flow 1:
Average throughput: 77.88 Mbit/s
95th percentile per-packet one-way delay: 10.498 ms
Loss rate: 11.80%
```

Run 3: Report of FillP — Data Link

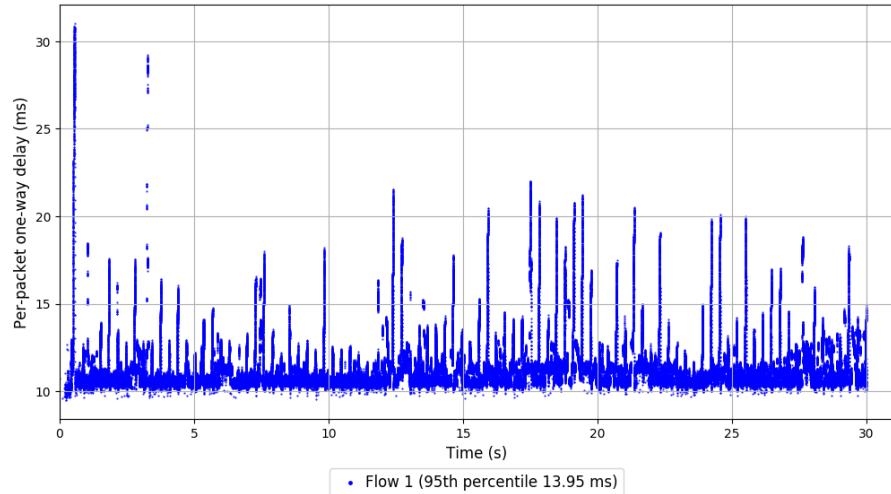
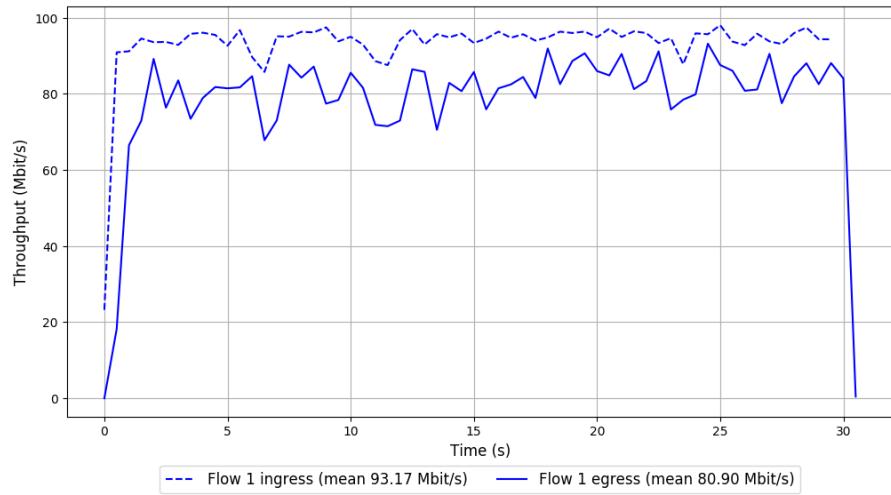


Run 4: Statistics of FillP

```
Start at: 2019-02-05 03:50:44
End at: 2019-02-05 03:51:14
Local clock offset: -3.071 ms
Remote clock offset: -2.769 ms

# Below is generated by plot.py at 2019-02-05 04:33:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.90 Mbit/s
95th percentile per-packet one-way delay: 13.946 ms
Loss rate: 13.17%
-- Flow 1:
Average throughput: 80.90 Mbit/s
95th percentile per-packet one-way delay: 13.946 ms
Loss rate: 13.17%
```

Run 4: Report of FillP — Data Link

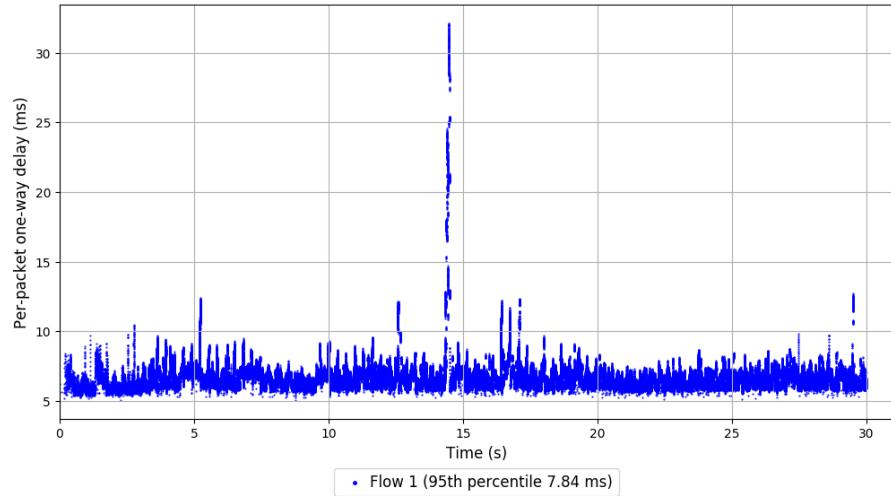
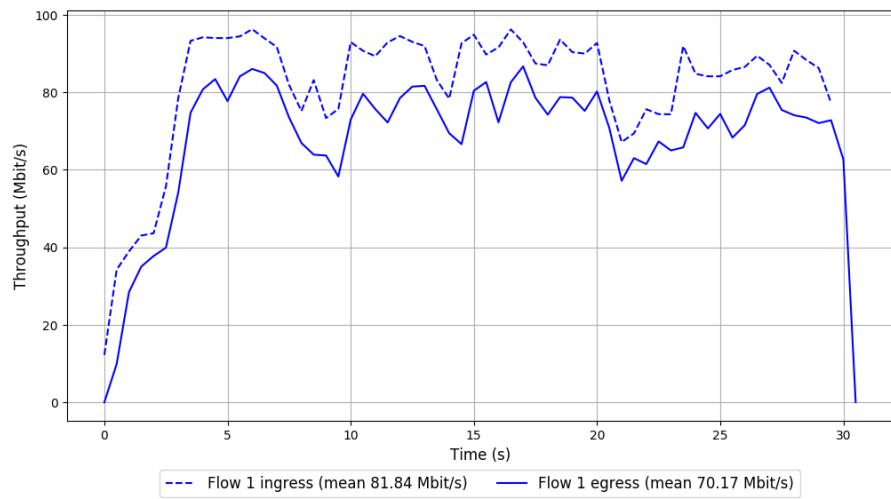


```
Run 5: Statistics of FillP
```

```
Start at: 2019-02-05 04:15:45
End at: 2019-02-05 04:16:15
Local clock offset: -0.756 ms
Remote clock offset: -5.593 ms

# Below is generated by plot.py at 2019-02-05 04:33:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.17 Mbit/s
95th percentile per-packet one-way delay: 7.841 ms
Loss rate: 14.27%
-- Flow 1:
Average throughput: 70.17 Mbit/s
95th percentile per-packet one-way delay: 7.841 ms
Loss rate: 14.27%
```

Run 5: Report of FillP — Data Link

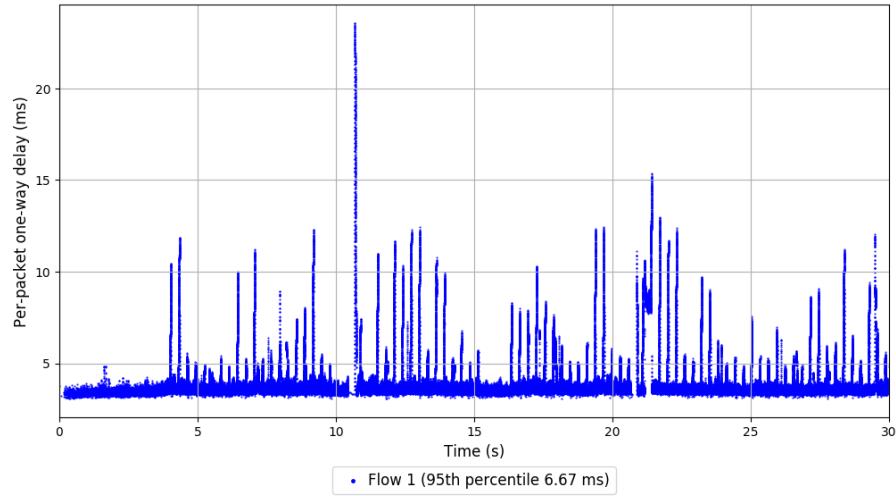
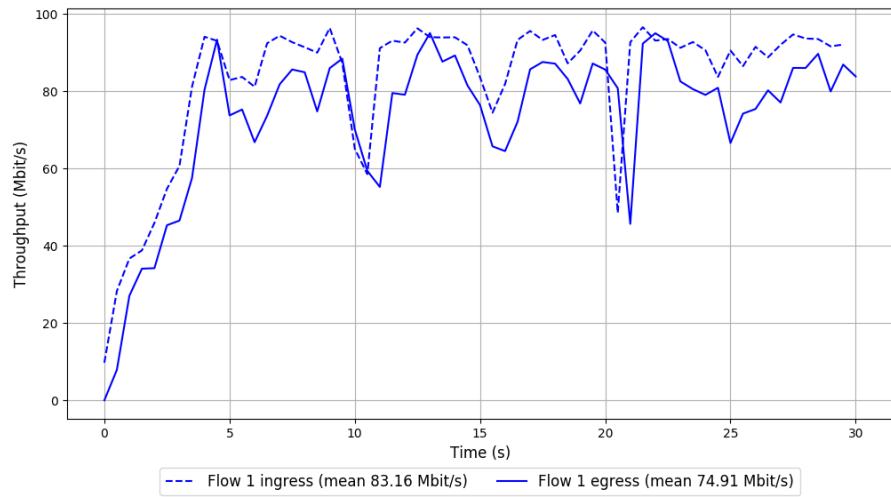


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-02-05 02:36:15
End at: 2019-02-05 02:36:45
Local clock offset: -0.451 ms
Remote clock offset: -3.902 ms

# Below is generated by plot.py at 2019-02-05 04:33:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.91 Mbit/s
95th percentile per-packet one-way delay: 6.667 ms
Loss rate: 9.93%
-- Flow 1:
Average throughput: 74.91 Mbit/s
95th percentile per-packet one-way delay: 6.667 ms
Loss rate: 9.93%
```

Run 1: Report of FillP-Sheep — Data Link

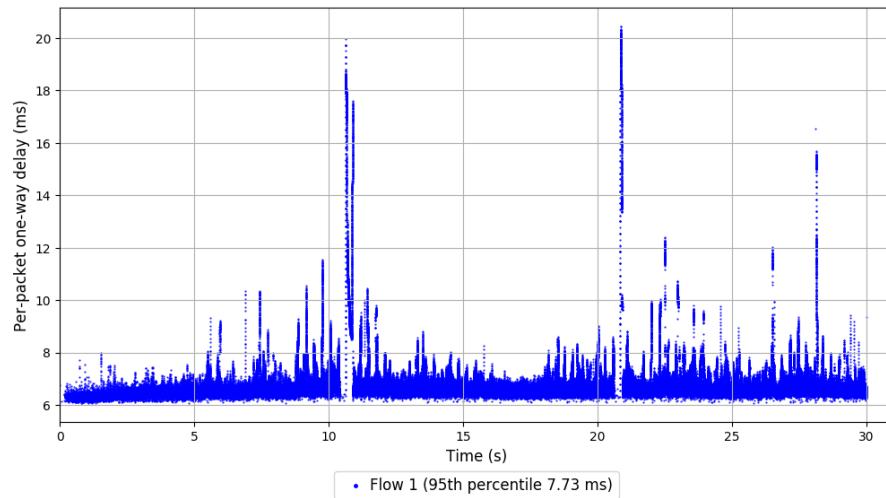
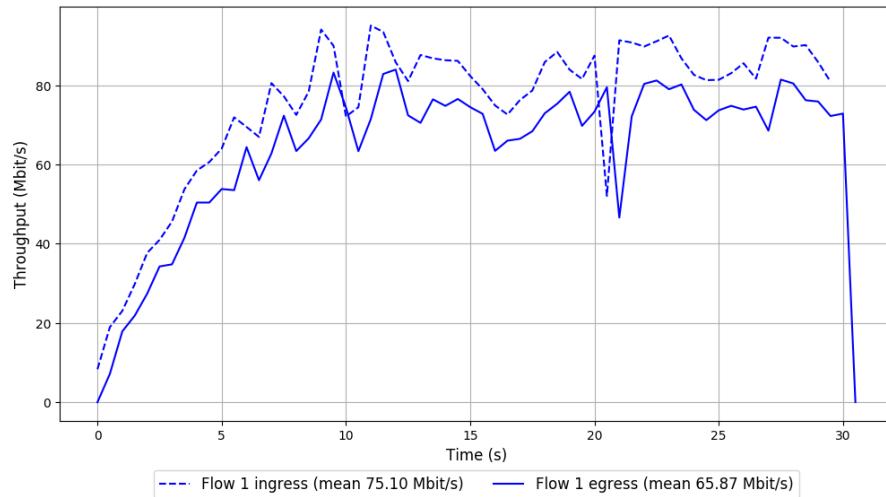


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-02-05 03:02:08
End at: 2019-02-05 03:02:38
Local clock offset: -2.805 ms
Remote clock offset: -3.99 ms

# Below is generated by plot.py at 2019-02-05 04:33:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.87 Mbit/s
95th percentile per-packet one-way delay: 7.727 ms
Loss rate: 12.29%
-- Flow 1:
Average throughput: 65.87 Mbit/s
95th percentile per-packet one-way delay: 7.727 ms
Loss rate: 12.29%
```

Run 2: Report of FillP-Sheep — Data Link

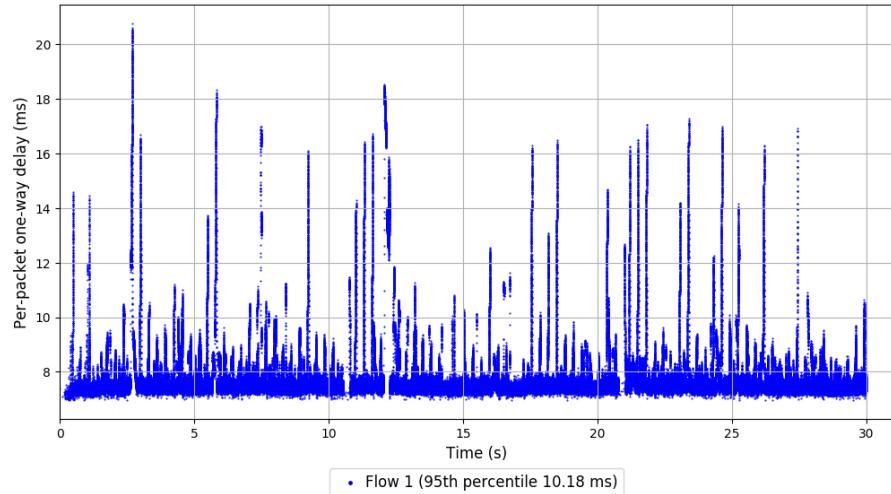
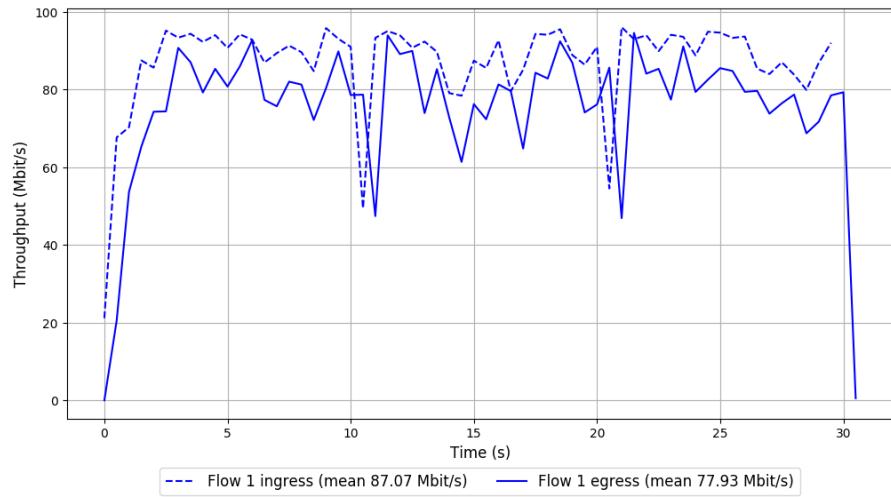


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-02-05 03:27:27
End at: 2019-02-05 03:27:57
Local clock offset: -1.873 ms
Remote clock offset: -2.635 ms

# Below is generated by plot.py at 2019-02-05 04:33:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.93 Mbit/s
95th percentile per-packet one-way delay: 10.183 ms
Loss rate: 10.49%
-- Flow 1:
Average throughput: 77.93 Mbit/s
95th percentile per-packet one-way delay: 10.183 ms
Loss rate: 10.49%
```

Run 3: Report of FillP-Sheep — Data Link

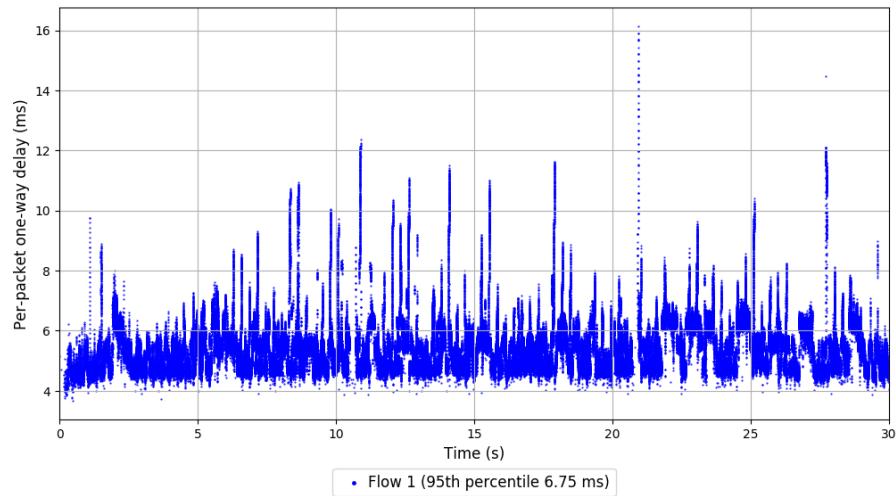
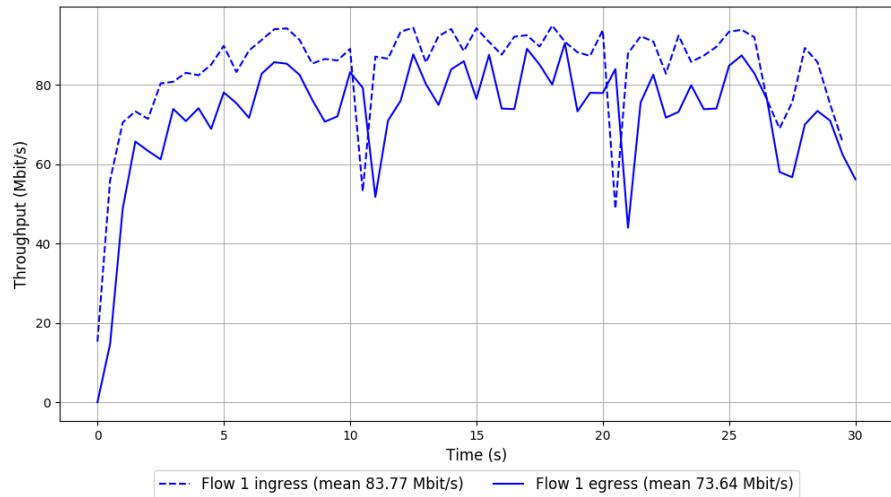


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-02-05 03:53:11
End at: 2019-02-05 03:53:41
Local clock offset: -2.604 ms
Remote clock offset: -7.12 ms

# Below is generated by plot.py at 2019-02-05 04:34:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.64 Mbit/s
95th percentile per-packet one-way delay: 6.754 ms
Loss rate: 12.11%
-- Flow 1:
Average throughput: 73.64 Mbit/s
95th percentile per-packet one-way delay: 6.754 ms
Loss rate: 12.11%
```

Run 4: Report of FillP-Sheep — Data Link

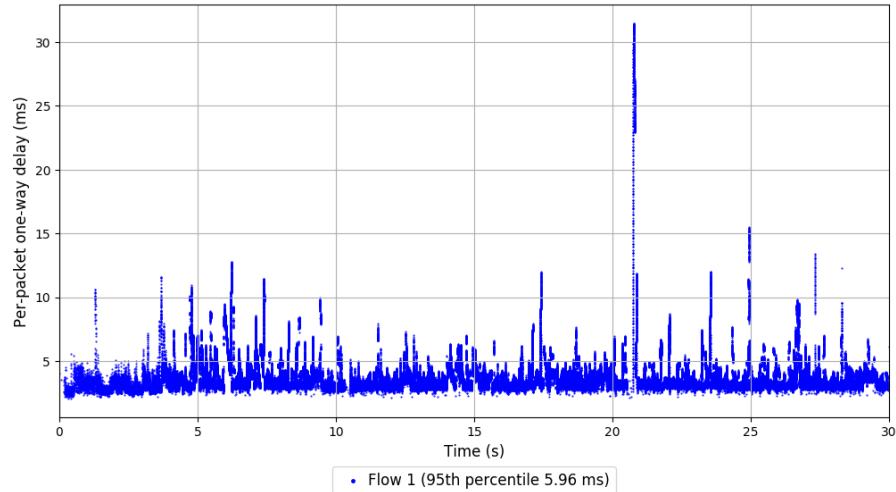
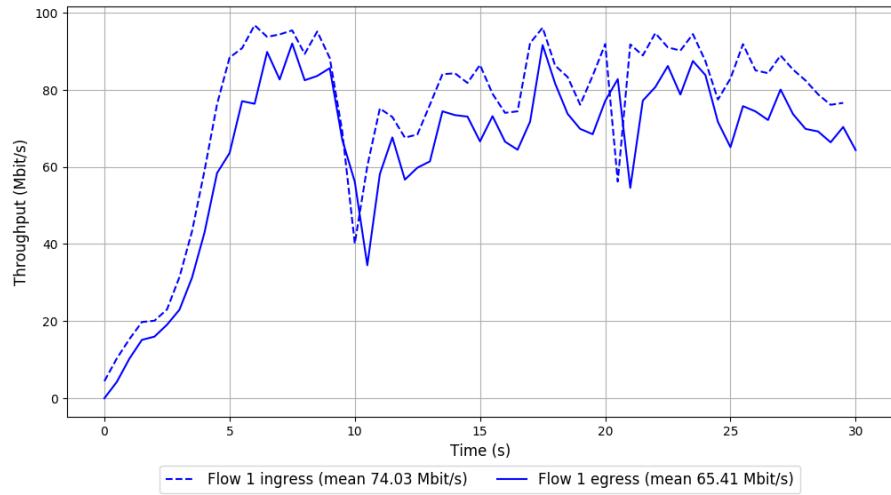


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-02-05 04:18:06
End at: 2019-02-05 04:18:36
Local clock offset: 0.612 ms
Remote clock offset: -6.37 ms

# Below is generated by plot.py at 2019-02-05 04:34:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.41 Mbit/s
95th percentile per-packet one-way delay: 5.959 ms
Loss rate: 11.64%
-- Flow 1:
Average throughput: 65.41 Mbit/s
95th percentile per-packet one-way delay: 5.959 ms
Loss rate: 11.64%
```

Run 5: Report of FillP-Sheep — Data Link

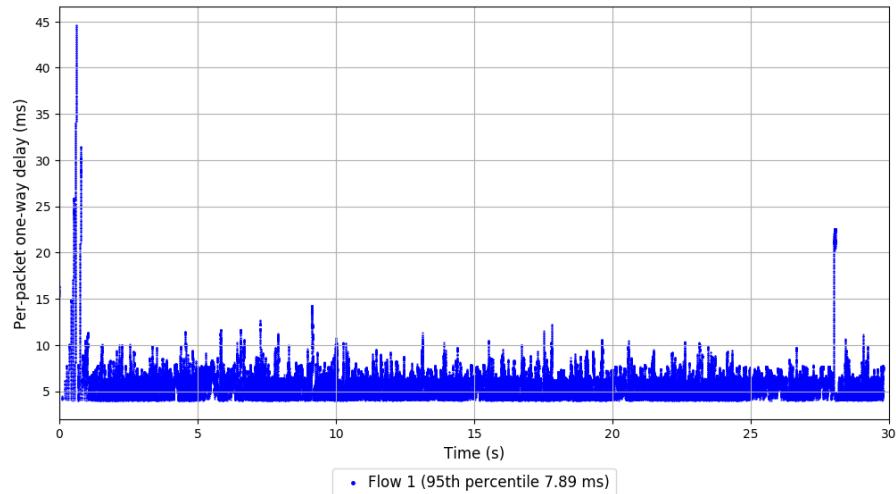
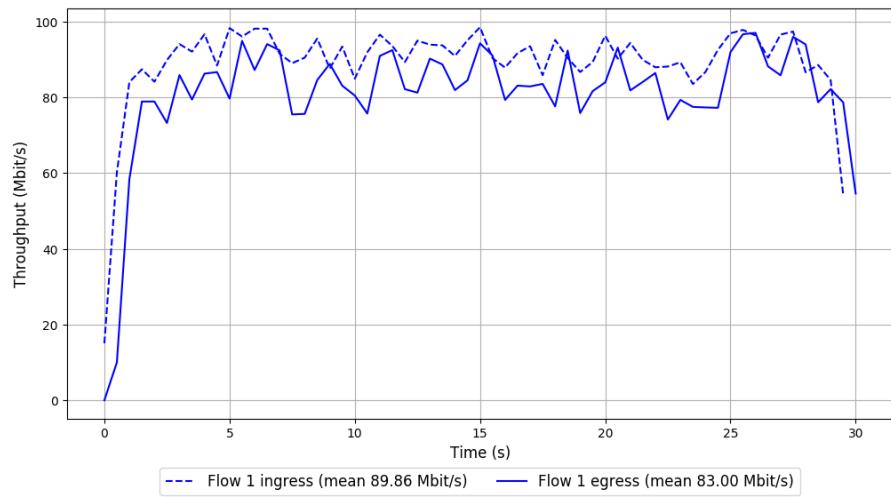


Run 1: Statistics of Indigo

```
Start at: 2019-02-05 02:26:07
End at: 2019-02-05 02:26:37
Local clock offset: -0.265 ms
Remote clock offset: -4.509 ms

# Below is generated by plot.py at 2019-02-05 04:34:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.00 Mbit/s
95th percentile per-packet one-way delay: 7.891 ms
Loss rate: 7.67%
-- Flow 1:
Average throughput: 83.00 Mbit/s
95th percentile per-packet one-way delay: 7.891 ms
Loss rate: 7.67%
```

Run 1: Report of Indigo — Data Link

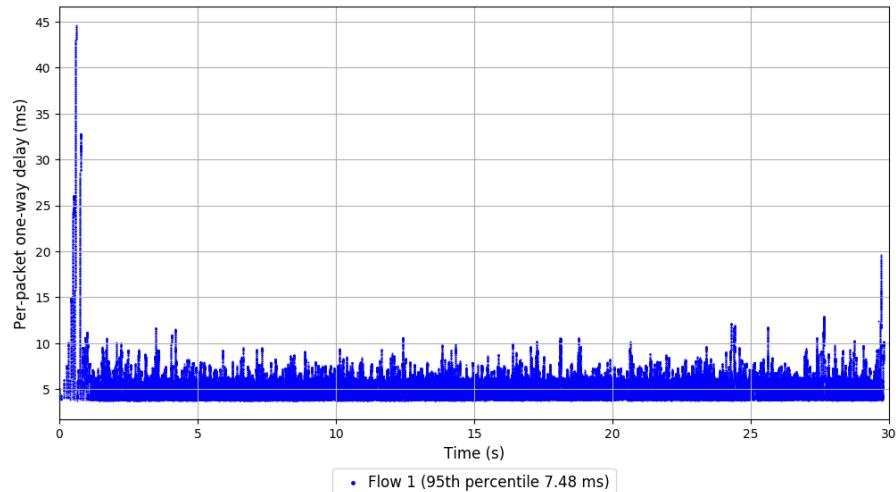
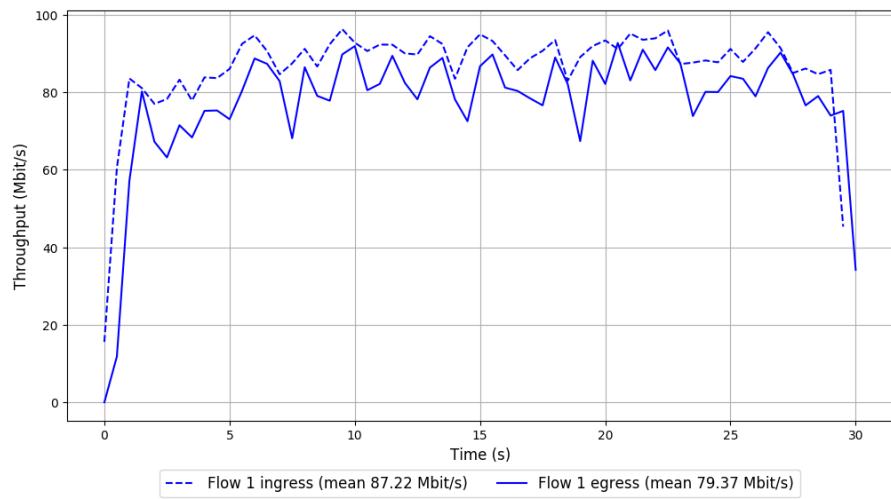


Run 2: Statistics of Indigo

```
Start at: 2019-02-05 02:51:46
End at: 2019-02-05 02:52:16
Local clock offset: -0.285 ms
Remote clock offset: -4.722 ms

# Below is generated by plot.py at 2019-02-05 04:34:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.37 Mbit/s
95th percentile per-packet one-way delay: 7.476 ms
Loss rate: 8.99%
-- Flow 1:
Average throughput: 79.37 Mbit/s
95th percentile per-packet one-way delay: 7.476 ms
Loss rate: 8.99%
```

Run 2: Report of Indigo — Data Link

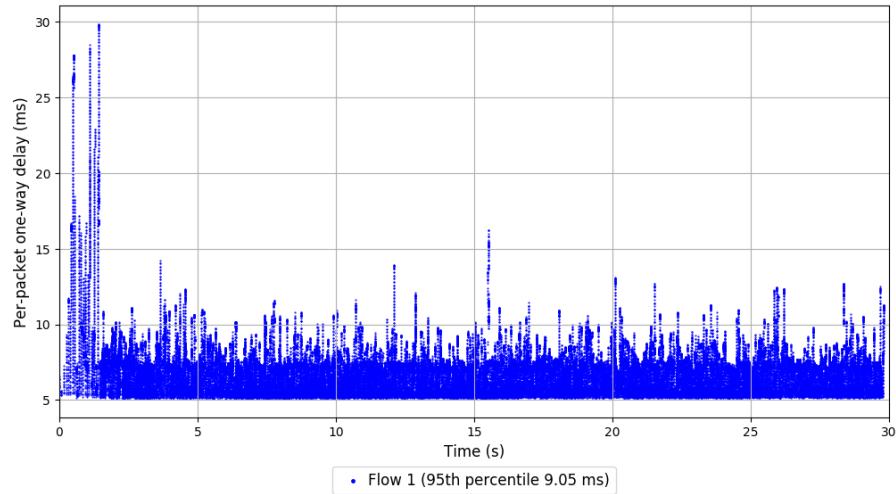
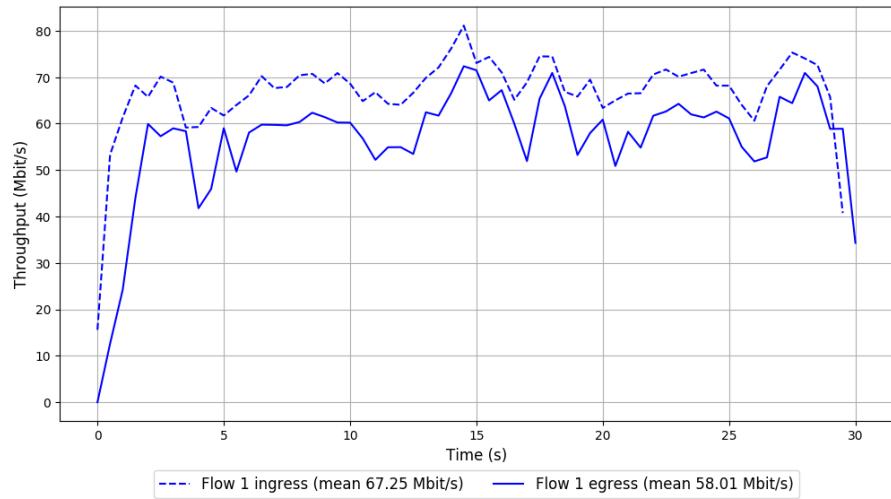


Run 3: Statistics of Indigo

```
Start at: 2019-02-05 03:17:51
End at: 2019-02-05 03:18:21
Local clock offset: -1.054 ms
Remote clock offset: -3.419 ms

# Below is generated by plot.py at 2019-02-05 04:34:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.01 Mbit/s
95th percentile per-packet one-way delay: 9.055 ms
Loss rate: 13.72%
-- Flow 1:
Average throughput: 58.01 Mbit/s
95th percentile per-packet one-way delay: 9.055 ms
Loss rate: 13.72%
```

Run 3: Report of Indigo — Data Link

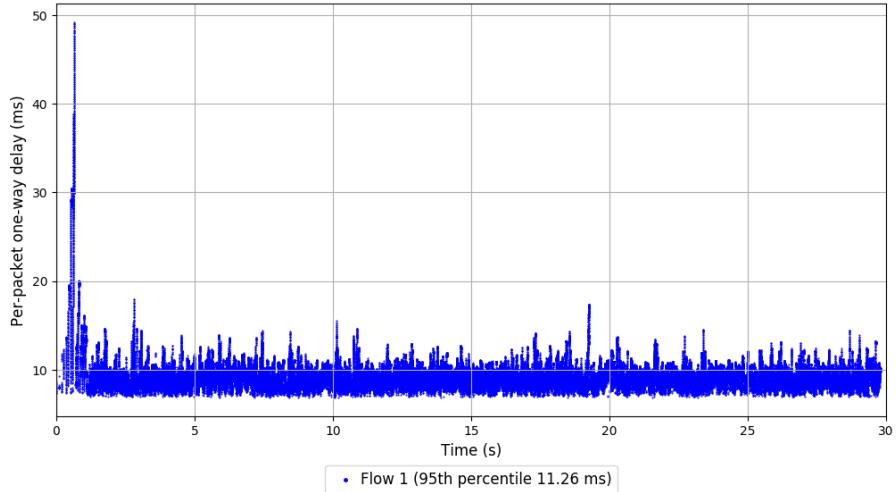
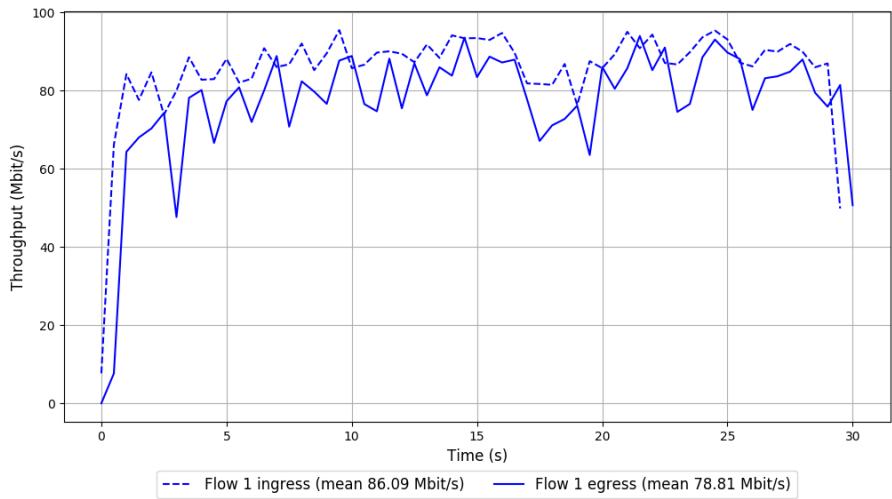


Run 4: Statistics of Indigo

```
Start at: 2019-02-05 03:43:11
End at: 2019-02-05 03:43:41
Local clock offset: -1.729 ms
Remote clock offset: -2.747 ms

# Below is generated by plot.py at 2019-02-05 04:34:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.81 Mbit/s
95th percentile per-packet one-way delay: 11.257 ms
Loss rate: 8.44%
-- Flow 1:
Average throughput: 78.81 Mbit/s
95th percentile per-packet one-way delay: 11.257 ms
Loss rate: 8.44%
```

Run 4: Report of Indigo — Data Link

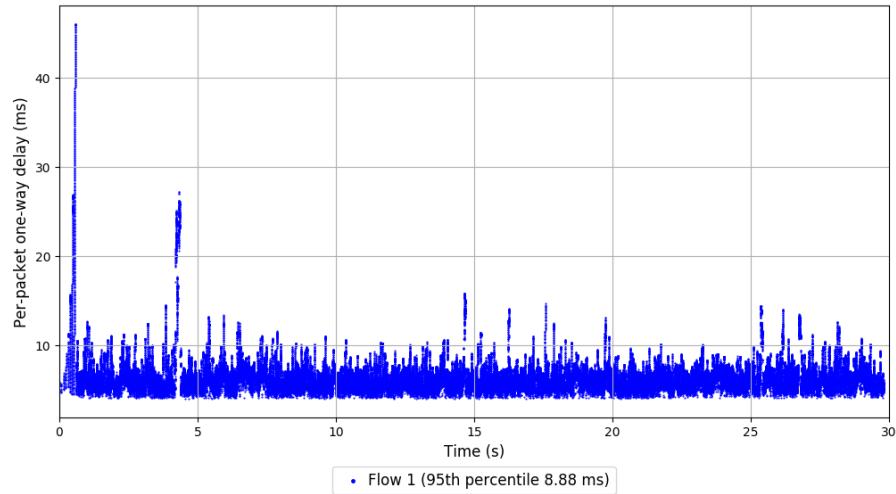
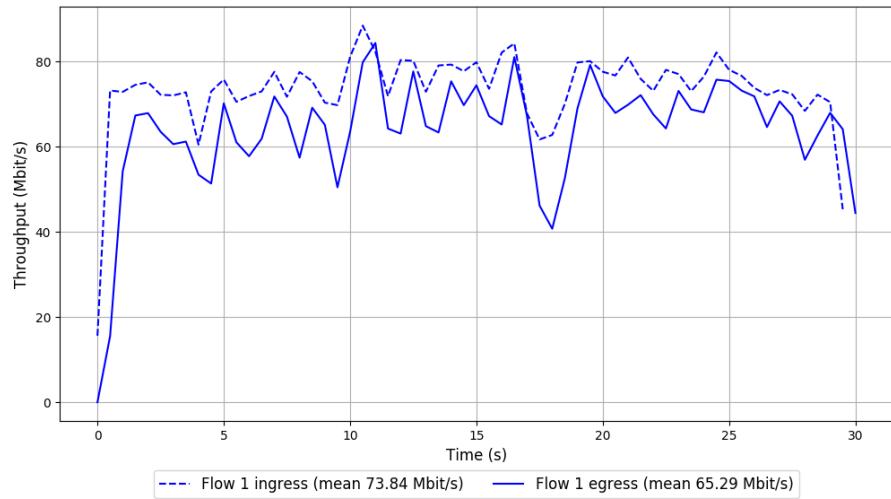


Run 5: Statistics of Indigo

```
Start at: 2019-02-05 04:08:45
End at: 2019-02-05 04:09:15
Local clock offset: -1.556 ms
Remote clock offset: -6.393 ms

# Below is generated by plot.py at 2019-02-05 04:34:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.29 Mbit/s
95th percentile per-packet one-way delay: 8.883 ms
Loss rate: 11.59%
-- Flow 1:
Average throughput: 65.29 Mbit/s
95th percentile per-packet one-way delay: 8.883 ms
Loss rate: 11.59%
```

Run 5: Report of Indigo — Data Link

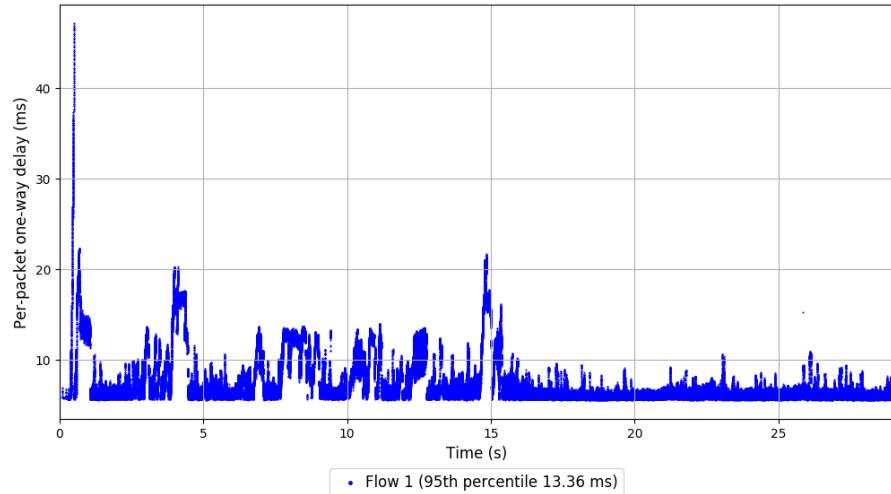
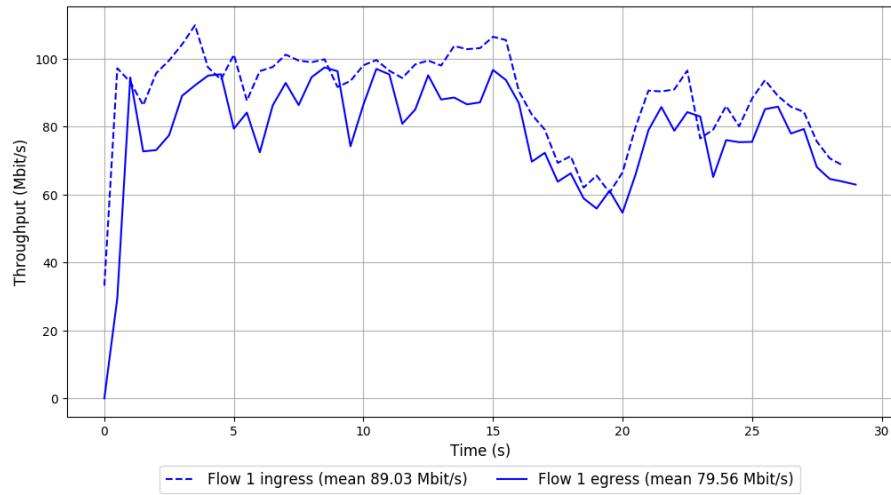


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-02-05 02:32:17
End at: 2019-02-05 02:32:47
Local clock offset: -3.125 ms
Remote clock offset: -5.642 ms

# Below is generated by plot.py at 2019-02-05 04:34:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.56 Mbit/s
95th percentile per-packet one-way delay: 13.355 ms
Loss rate: 10.64%
-- Flow 1:
Average throughput: 79.56 Mbit/s
95th percentile per-packet one-way delay: 13.355 ms
Loss rate: 10.64%
```

Run 1: Report of Indigo-MusesC3 — Data Link

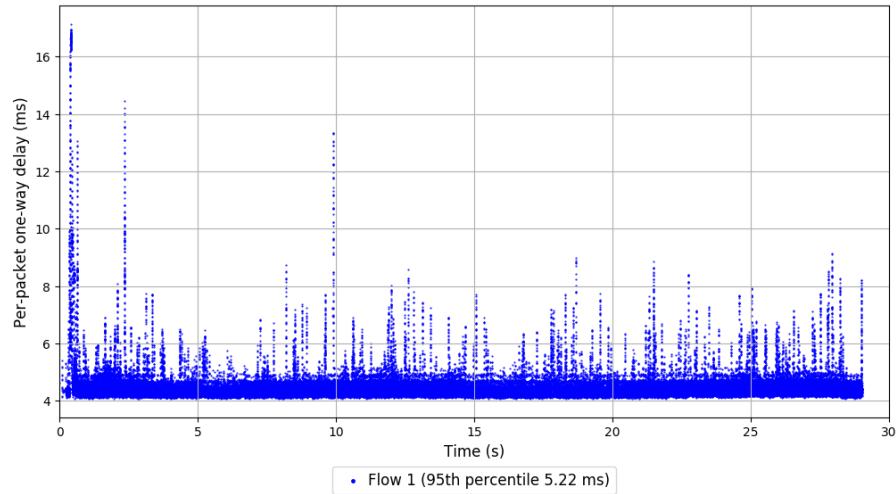
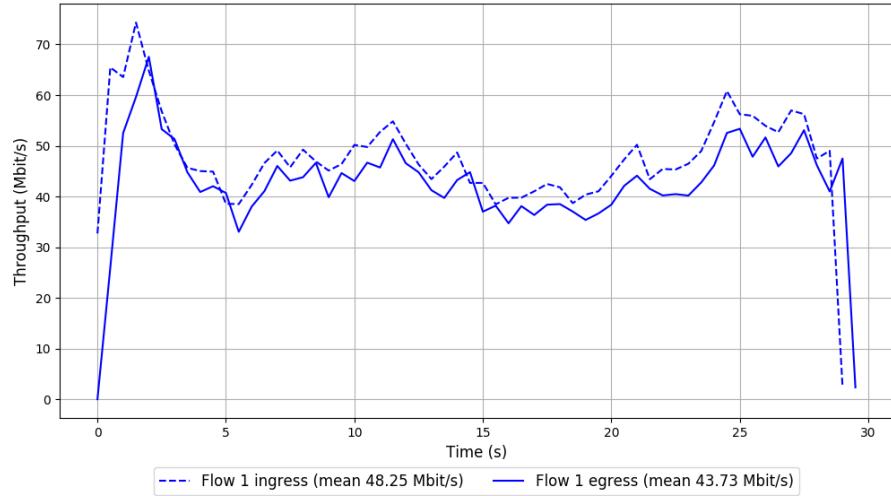


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-02-05 02:58:15
End at: 2019-02-05 02:58:45
Local clock offset: -2.053 ms
Remote clock offset: -5.386 ms

# Below is generated by plot.py at 2019-02-05 04:34:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.73 Mbit/s
95th percentile per-packet one-way delay: 5.221 ms
Loss rate: 9.37%
-- Flow 1:
Average throughput: 43.73 Mbit/s
95th percentile per-packet one-way delay: 5.221 ms
Loss rate: 9.37%
```

Run 2: Report of Indigo-MusesC3 — Data Link

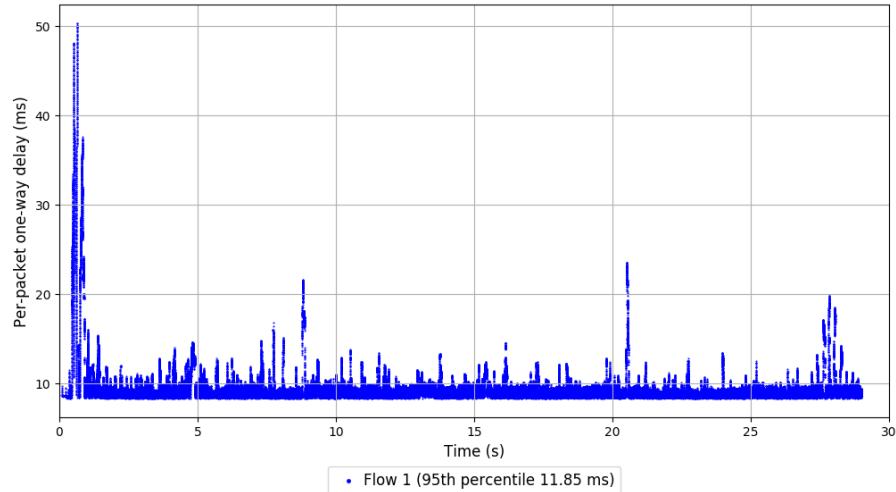
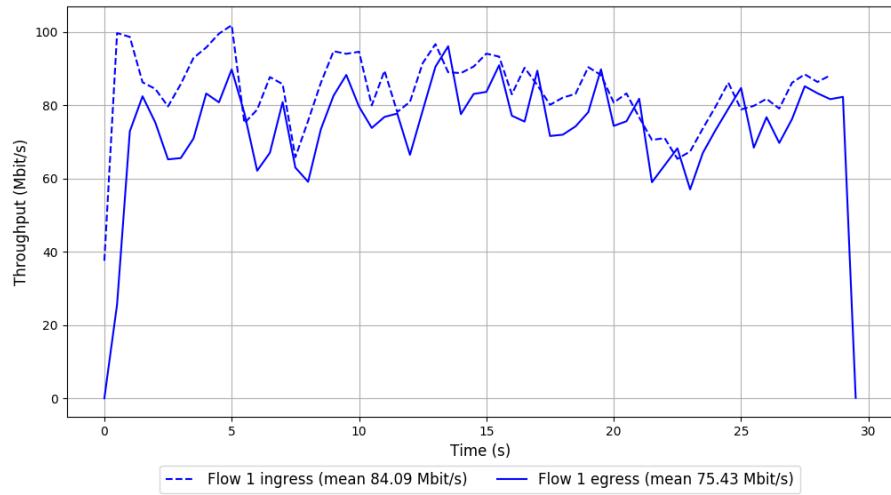


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-02-05 03:23:49
End at: 2019-02-05 03:24:19
Local clock offset: -1.62 ms
Remote clock offset: -2.353 ms

# Below is generated by plot.py at 2019-02-05 04:35:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.43 Mbit/s
95th percentile per-packet one-way delay: 11.852 ms
Loss rate: 10.30%
-- Flow 1:
Average throughput: 75.43 Mbit/s
95th percentile per-packet one-way delay: 11.852 ms
Loss rate: 10.30%
```

Run 3: Report of Indigo-MusesC3 — Data Link

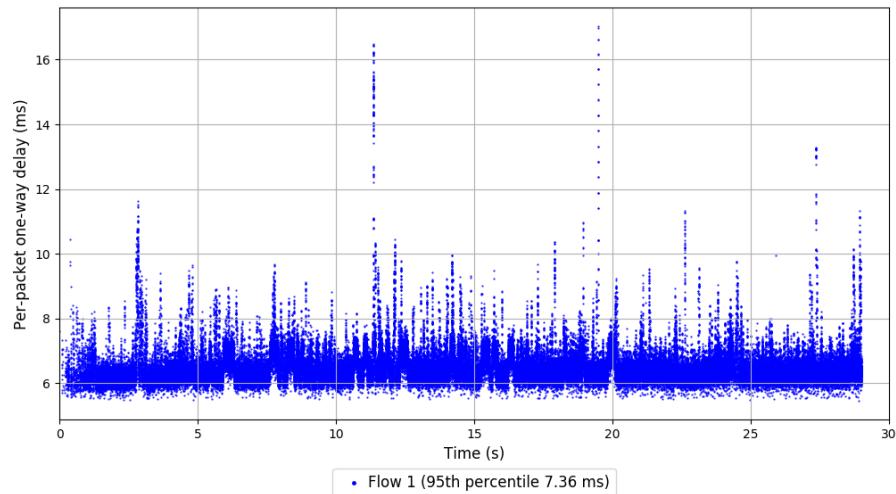
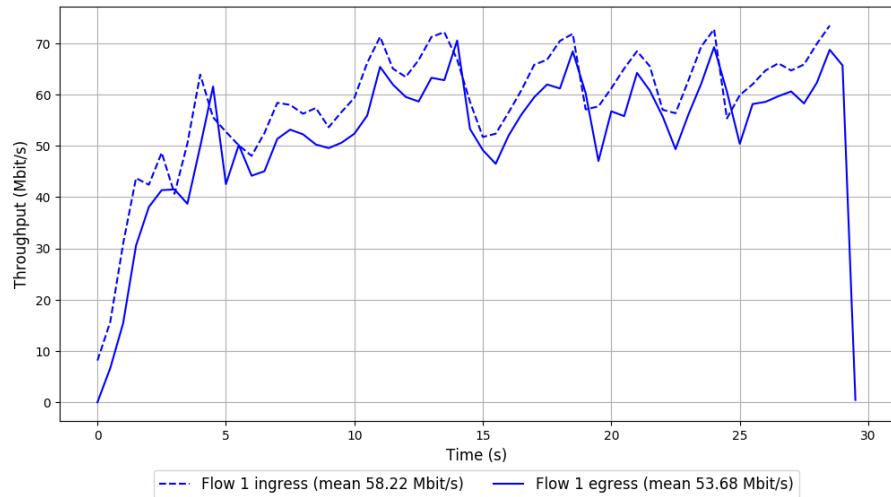


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-02-05 03:49:32
End at: 2019-02-05 03:50:02
Local clock offset: -0.329 ms
Remote clock offset: -3.021 ms

# Below is generated by plot.py at 2019-02-05 04:35:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.68 Mbit/s
95th percentile per-packet one-way delay: 7.359 ms
Loss rate: 7.82%
-- Flow 1:
Average throughput: 53.68 Mbit/s
95th percentile per-packet one-way delay: 7.359 ms
Loss rate: 7.82%
```

Run 4: Report of Indigo-MusesC3 — Data Link

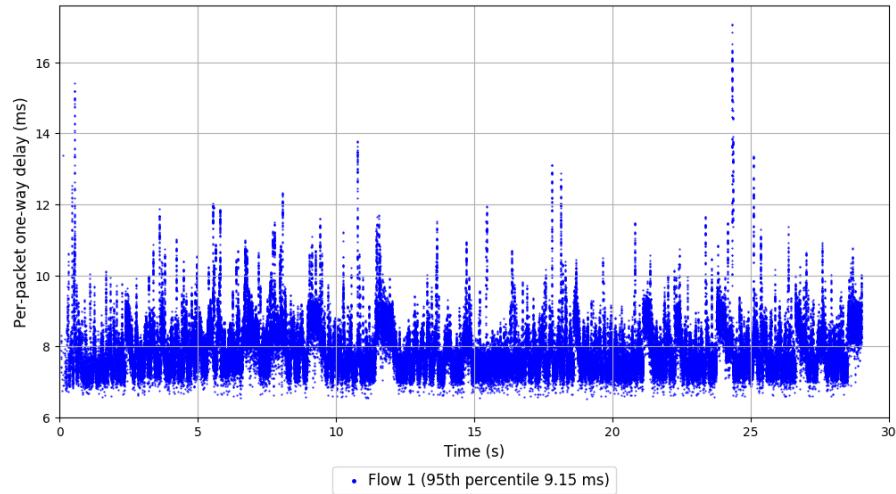
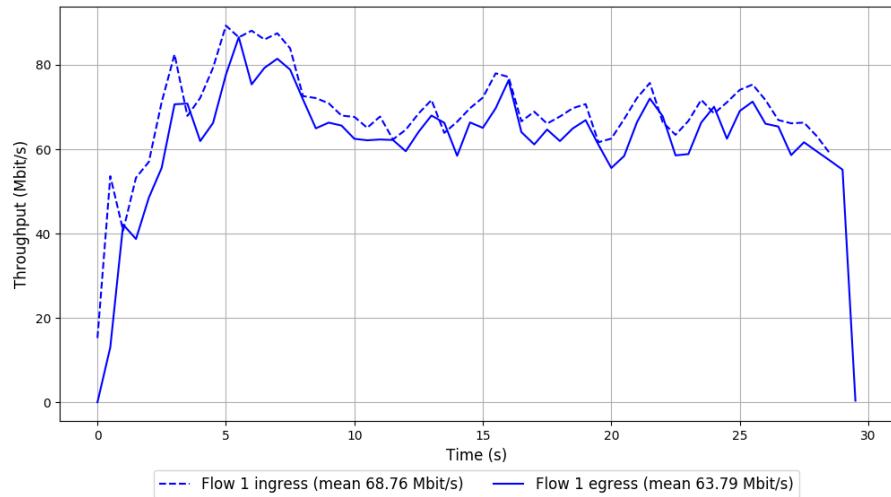


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-02-05 04:14:33
End at: 2019-02-05 04:15:03
Local clock offset: -2.524 ms
Remote clock offset: -4.853 ms

# Below is generated by plot.py at 2019-02-05 04:35:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.79 Mbit/s
95th percentile per-packet one-way delay: 9.152 ms
Loss rate: 7.22%
-- Flow 1:
Average throughput: 63.79 Mbit/s
95th percentile per-packet one-way delay: 9.152 ms
Loss rate: 7.22%
```

Run 5: Report of Indigo-MusesC3 — Data Link

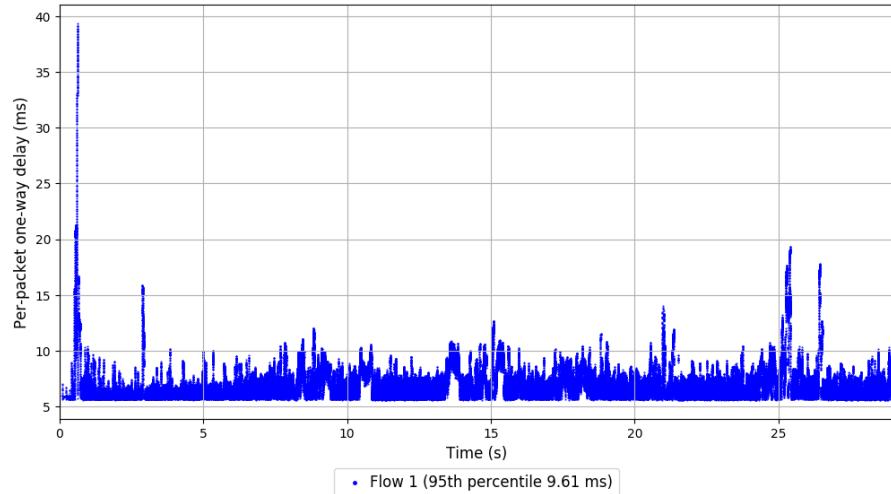
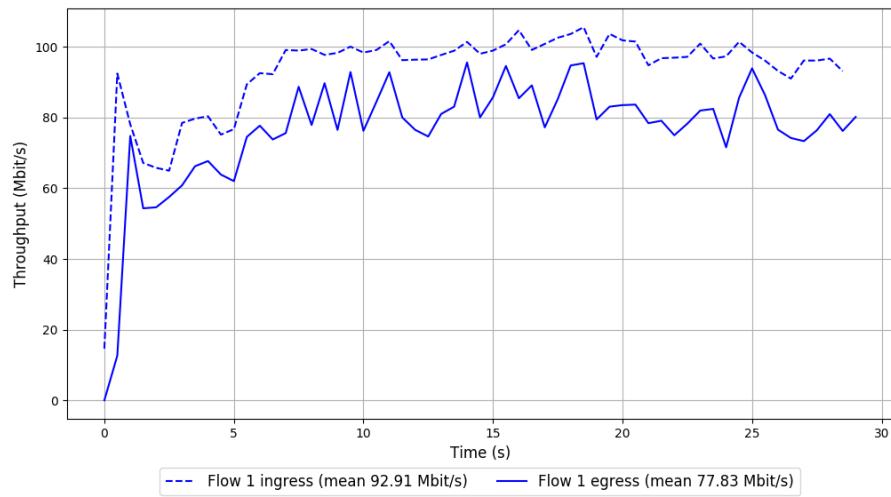


```
Run 1: Statistics of Indigo-MusesC5
```

```
Start at: 2019-02-05 02:42:12
End at: 2019-02-05 02:42:42
Local clock offset: -2.86 ms
Remote clock offset: -3.538 ms

# Below is generated by plot.py at 2019-02-05 04:35:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.83 Mbit/s
95th percentile per-packet one-way delay: 9.606 ms
Loss rate: 16.23%
-- Flow 1:
Average throughput: 77.83 Mbit/s
95th percentile per-packet one-way delay: 9.606 ms
Loss rate: 16.23%
```

Run 1: Report of Indigo-MusesC5 — Data Link

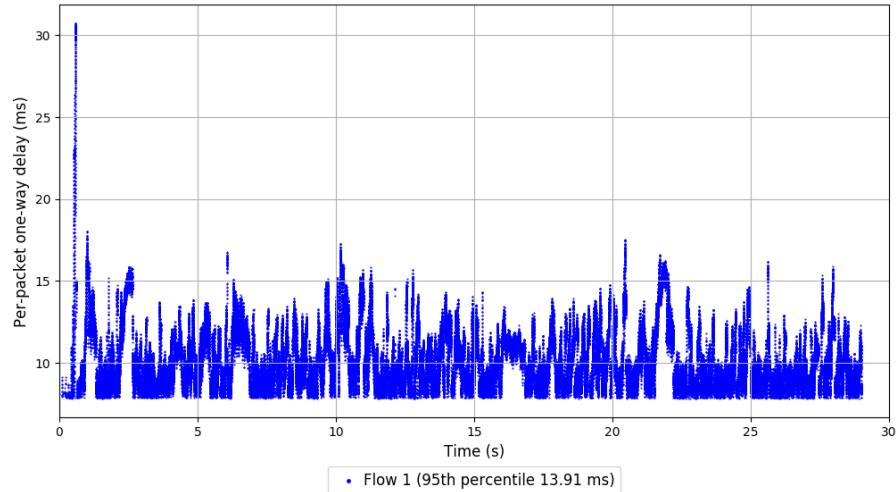
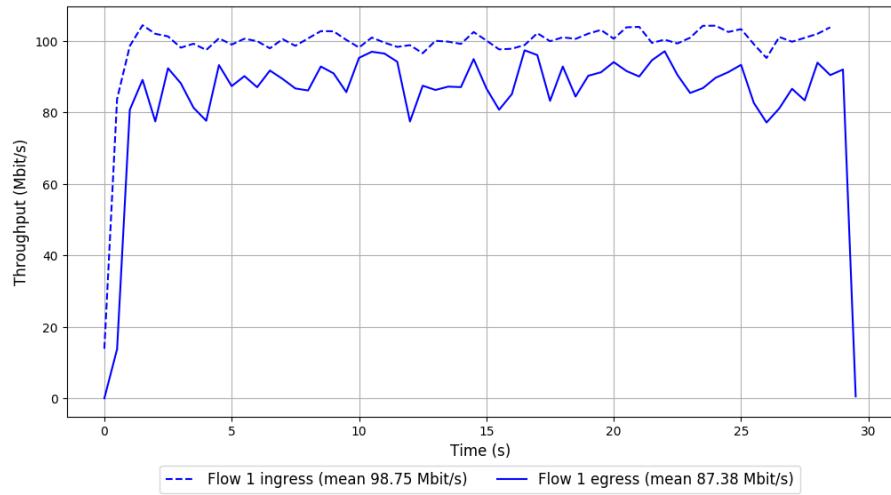


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-02-05 03:07:58
End at: 2019-02-05 03:08:28
Local clock offset: -5.611 ms
Remote clock offset: -5.15 ms

# Below is generated by plot.py at 2019-02-05 04:35:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.38 Mbit/s
95th percentile per-packet one-way delay: 13.907 ms
Loss rate: 11.51%
-- Flow 1:
Average throughput: 87.38 Mbit/s
95th percentile per-packet one-way delay: 13.907 ms
Loss rate: 11.51%
```

Run 2: Report of Indigo-MusesC5 — Data Link

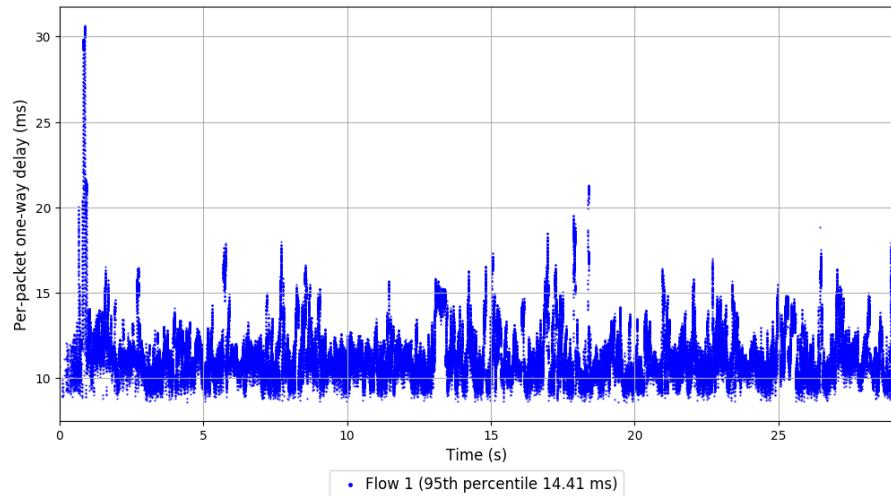
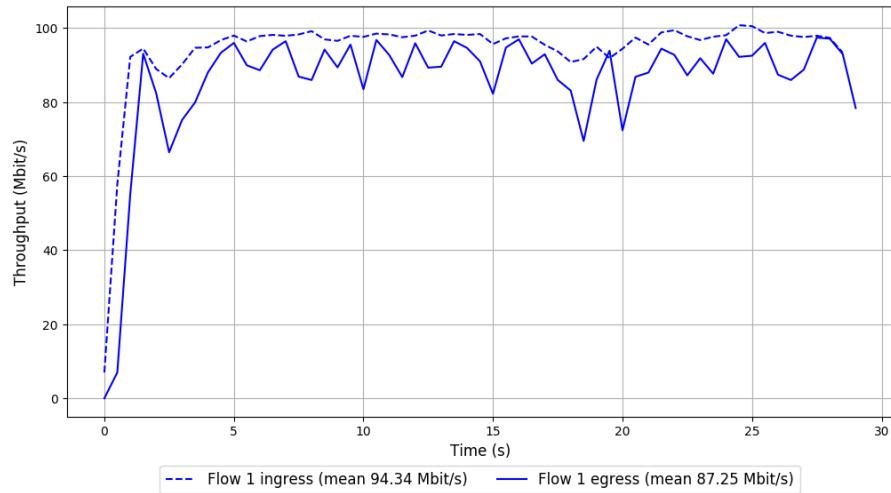


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-02-05 03:33:21
End at: 2019-02-05 03:33:51
Local clock offset: -2.629 ms
Remote clock offset: -2.057 ms

# Below is generated by plot.py at 2019-02-05 04:35:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 14.411 ms
Loss rate: 7.52%
-- Flow 1:
Average throughput: 87.25 Mbit/s
95th percentile per-packet one-way delay: 14.411 ms
Loss rate: 7.52%
```

Run 3: Report of Indigo-MusesC5 — Data Link

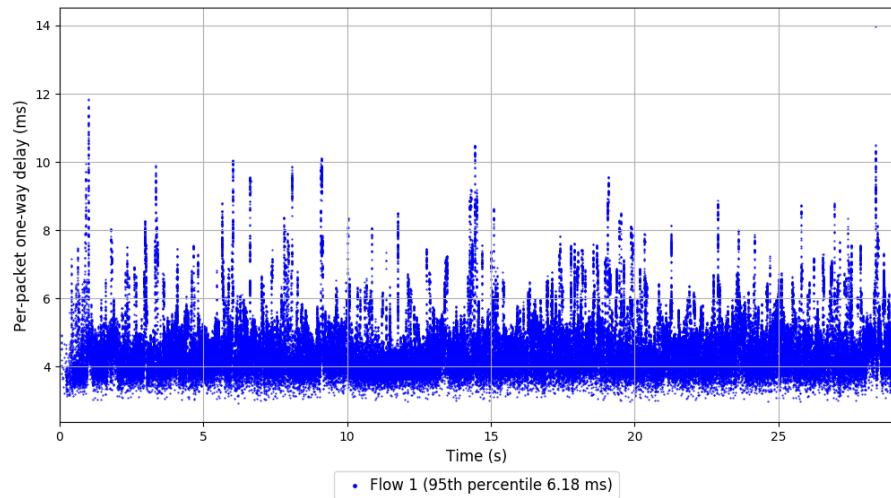
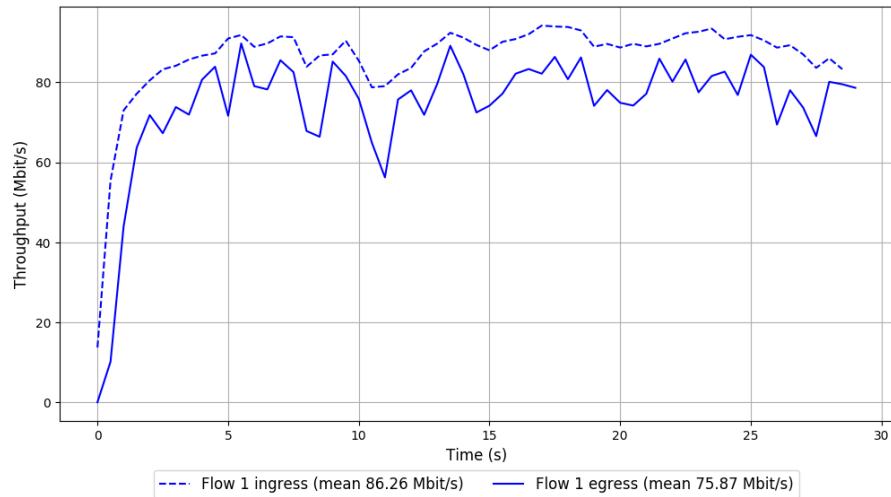


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-02-05 03:59:03
End at: 2019-02-05 03:59:33
Local clock offset: 1.35 ms
Remote clock offset: -5.374 ms

# Below is generated by plot.py at 2019-02-05 04:35:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.87 Mbit/s
95th percentile per-packet one-way delay: 6.176 ms
Loss rate: 12.05%
-- Flow 1:
Average throughput: 75.87 Mbit/s
95th percentile per-packet one-way delay: 6.176 ms
Loss rate: 12.05%
```

Run 4: Report of Indigo-MusesC5 — Data Link

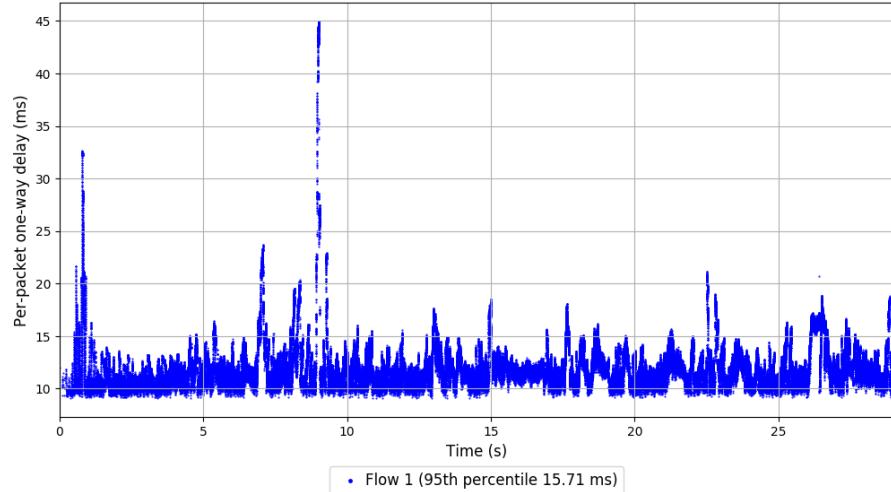
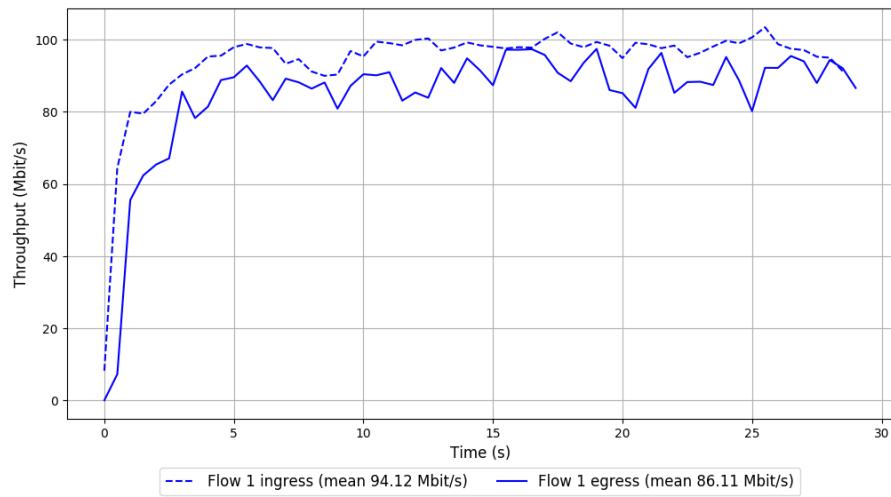


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-02-05 04:23:55
End at: 2019-02-05 04:24:25
Local clock offset: -1.777 ms
Remote clock offset: -2.249 ms

# Below is generated by plot.py at 2019-02-05 04:35:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.11 Mbit/s
95th percentile per-packet one-way delay: 15.705 ms
Loss rate: 8.50%
-- Flow 1:
Average throughput: 86.11 Mbit/s
95th percentile per-packet one-way delay: 15.705 ms
Loss rate: 8.50%
```

Run 5: Report of Indigo-MusesC5 — Data Link

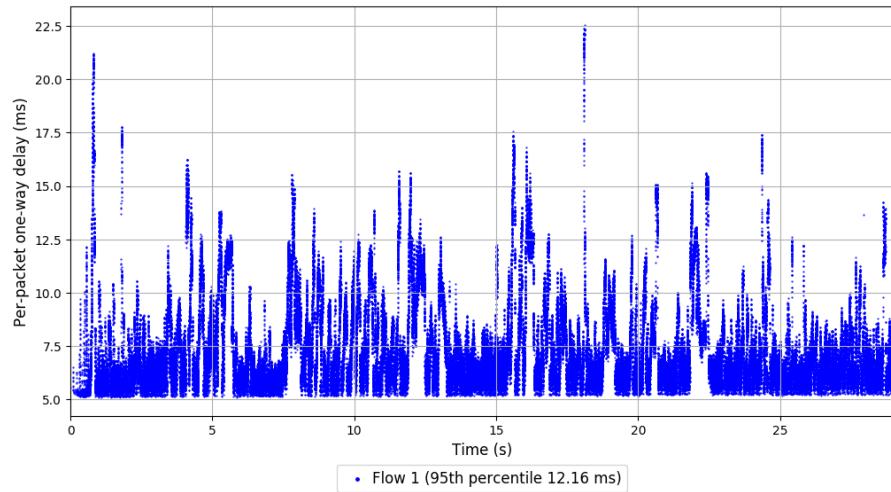
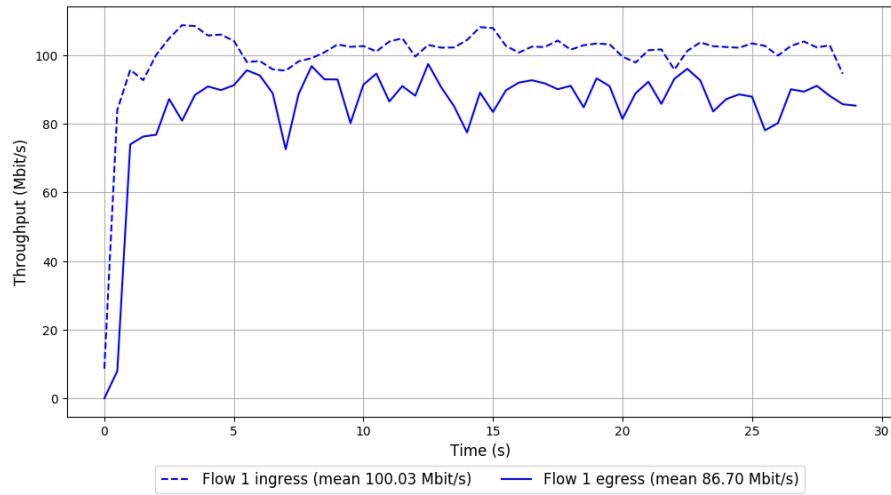


```
Run 1: Statistics of Indigo-MusesD
```

```
Start at: 2019-02-05 02:47:00
End at: 2019-02-05 02:47:31
Local clock offset: -3.631 ms
Remote clock offset: -4.902 ms

# Below is generated by plot.py at 2019-02-05 04:36:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 12.165 ms
Loss rate: 13.33%
-- Flow 1:
Average throughput: 86.70 Mbit/s
95th percentile per-packet one-way delay: 12.165 ms
Loss rate: 13.33%
```

Run 1: Report of Indigo-MusesD — Data Link

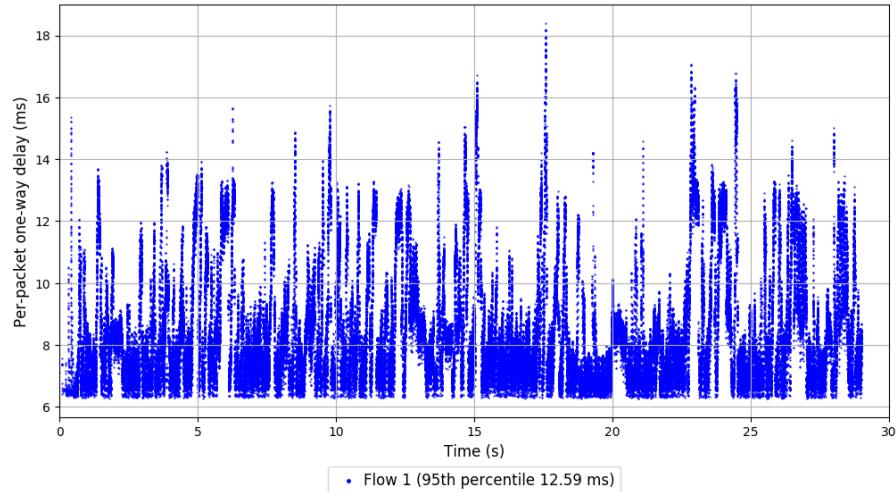
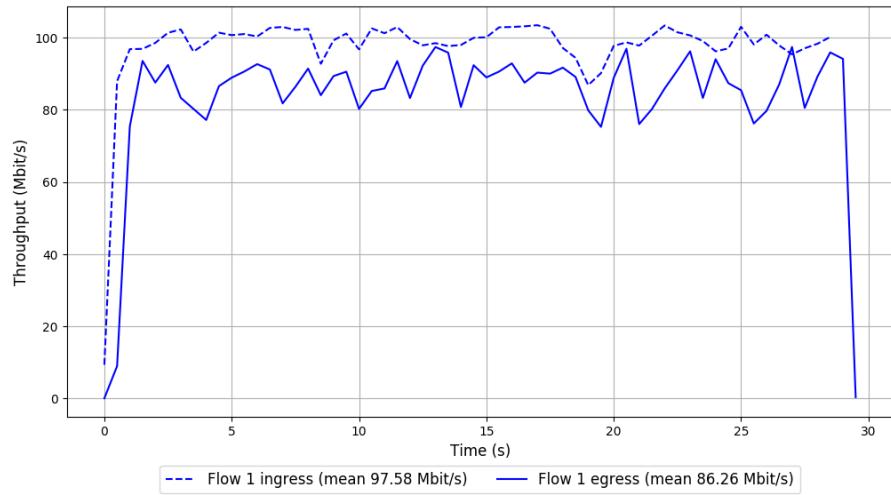


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-02-05 03:12:51
End at: 2019-02-05 03:13:21
Local clock offset: -1.501 ms
Remote clock offset: -3.552 ms

# Below is generated by plot.py at 2019-02-05 04:36:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.26 Mbit/s
95th percentile per-packet one-way delay: 12.594 ms
Loss rate: 11.59%
-- Flow 1:
Average throughput: 86.26 Mbit/s
95th percentile per-packet one-way delay: 12.594 ms
Loss rate: 11.59%
```

Run 2: Report of Indigo-MusesD — Data Link

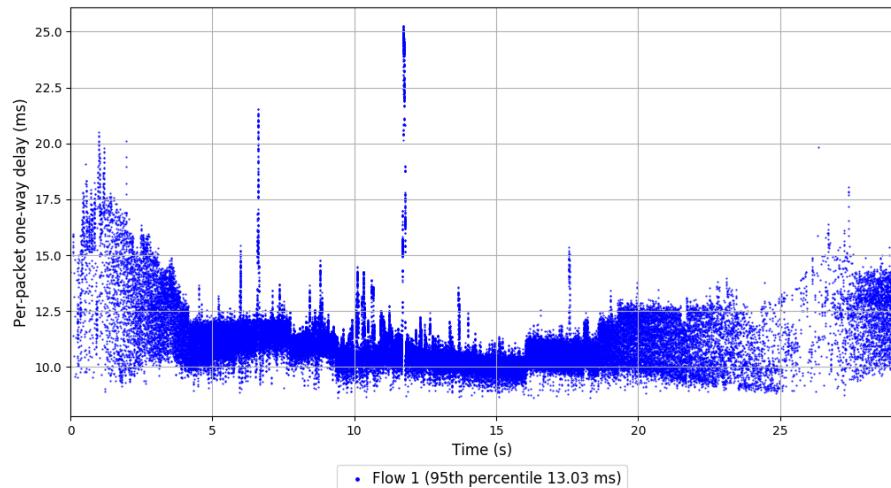
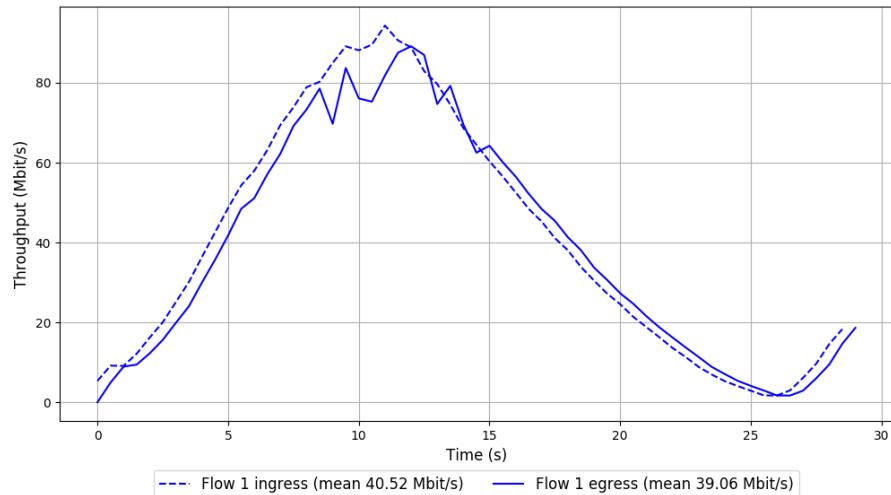


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-02-05 03:38:15
End at: 2019-02-05 03:38:45
Local clock offset: -1.502 ms
Remote clock offset: -1.977 ms

# Below is generated by plot.py at 2019-02-05 04:36:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.06 Mbit/s
95th percentile per-packet one-way delay: 13.032 ms
Loss rate: 3.62%
-- Flow 1:
Average throughput: 39.06 Mbit/s
95th percentile per-packet one-way delay: 13.032 ms
Loss rate: 3.62%
```

Run 3: Report of Indigo-MusesD — Data Link

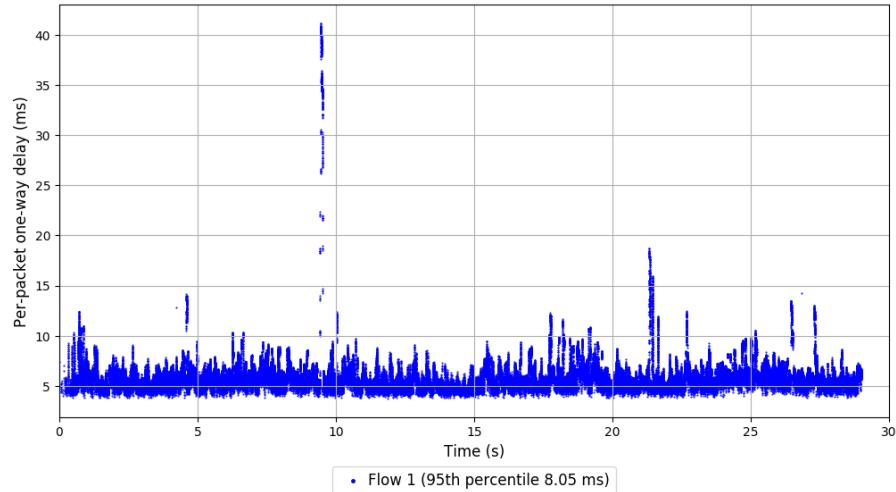
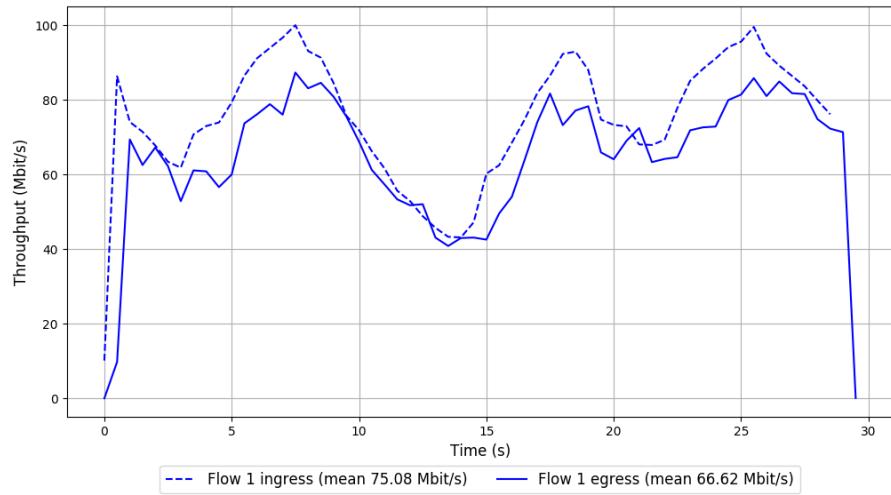


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-02-05 04:03:51
End at: 2019-02-05 04:04:21
Local clock offset: 0.167 ms
Remote clock offset: -4.801 ms

# Below is generated by plot.py at 2019-02-05 04:36:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.62 Mbit/s
95th percentile per-packet one-way delay: 8.046 ms
Loss rate: 11.27%
-- Flow 1:
Average throughput: 66.62 Mbit/s
95th percentile per-packet one-way delay: 8.046 ms
Loss rate: 11.27%
```

Run 4: Report of Indigo-MusesD — Data Link

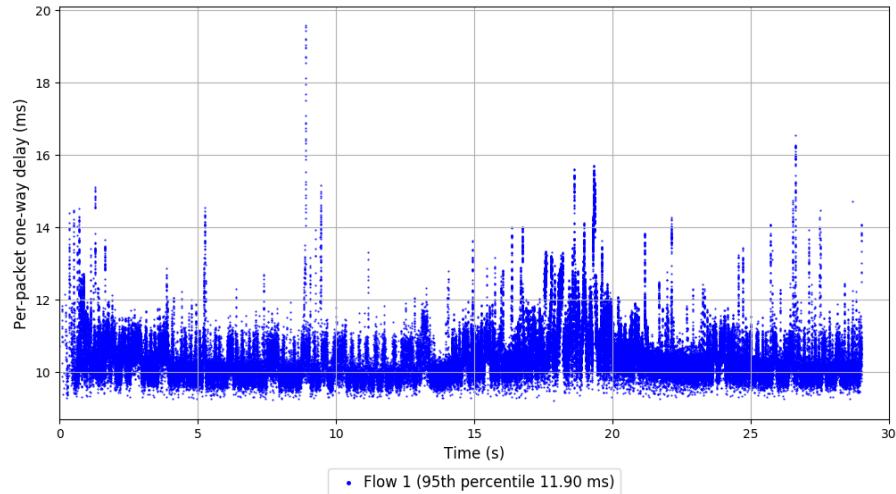
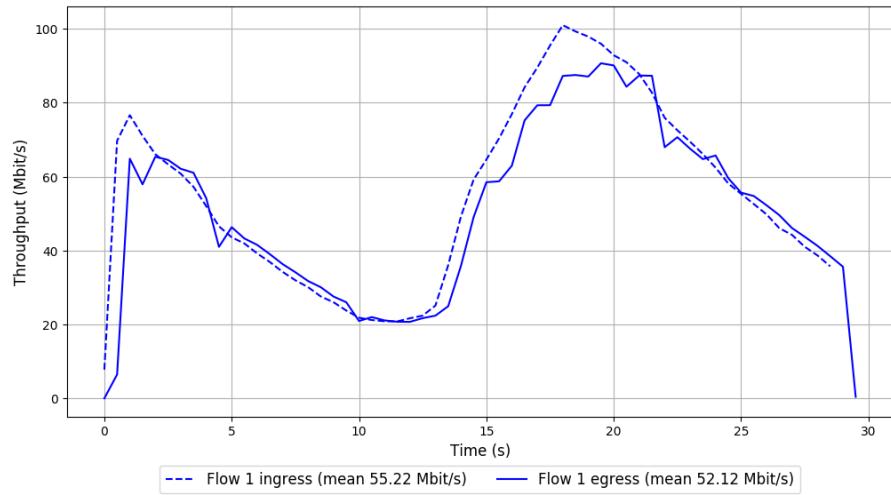


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-02-05 04:28:55
End at: 2019-02-05 04:29:25
Local clock offset: 0.22 ms
Remote clock offset: -1.345 ms

# Below is generated by plot.py at 2019-02-05 04:36:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.12 Mbit/s
95th percentile per-packet one-way delay: 11.900 ms
Loss rate: 5.62%
-- Flow 1:
Average throughput: 52.12 Mbit/s
95th percentile per-packet one-way delay: 11.900 ms
Loss rate: 5.62%
```

Run 5: Report of Indigo-MusesD — Data Link

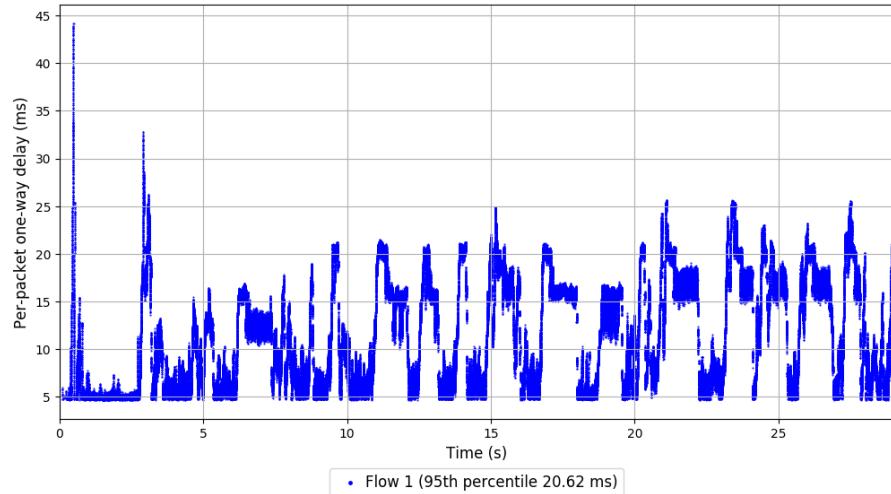
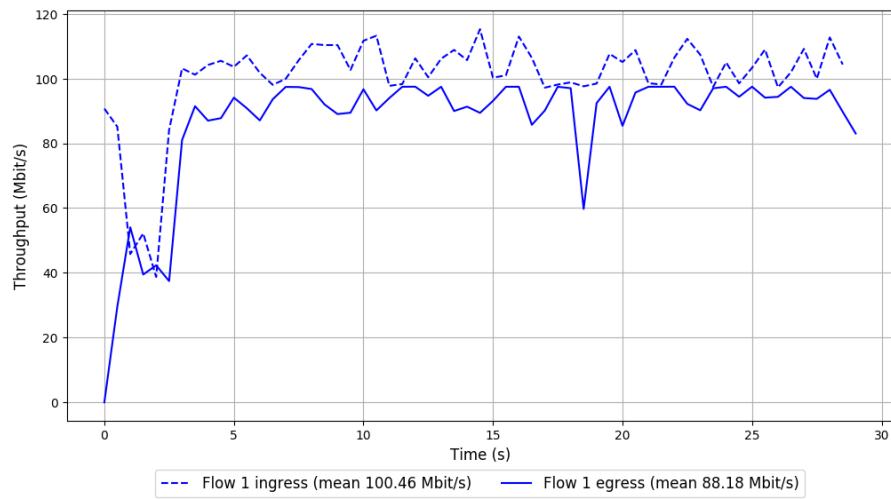


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-02-05 02:27:31
End at: 2019-02-05 02:28:01
Local clock offset: -0.445 ms
Remote clock offset: -4.043 ms

# Below is generated by plot.py at 2019-02-05 04:36:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.18 Mbit/s
95th percentile per-packet one-way delay: 20.624 ms
Loss rate: 12.18%
-- Flow 1:
Average throughput: 88.18 Mbit/s
95th percentile per-packet one-way delay: 20.624 ms
Loss rate: 12.18%
```

Run 1: Report of Indigo-MusesT — Data Link

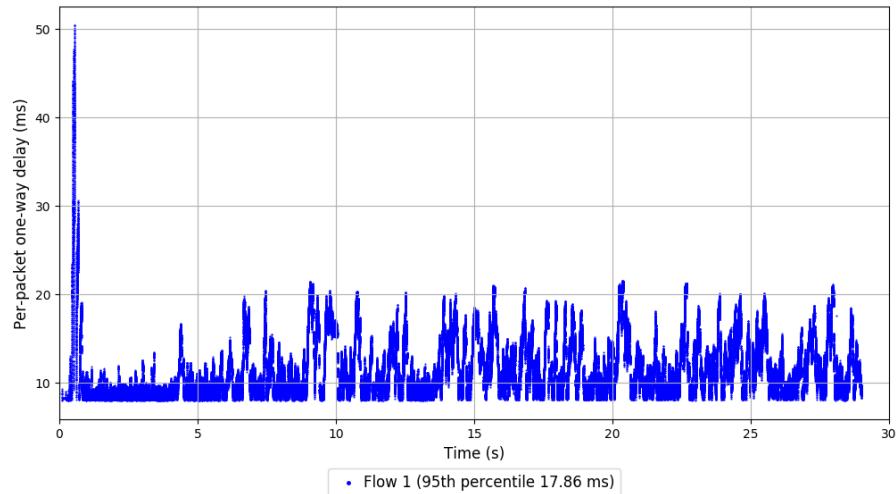
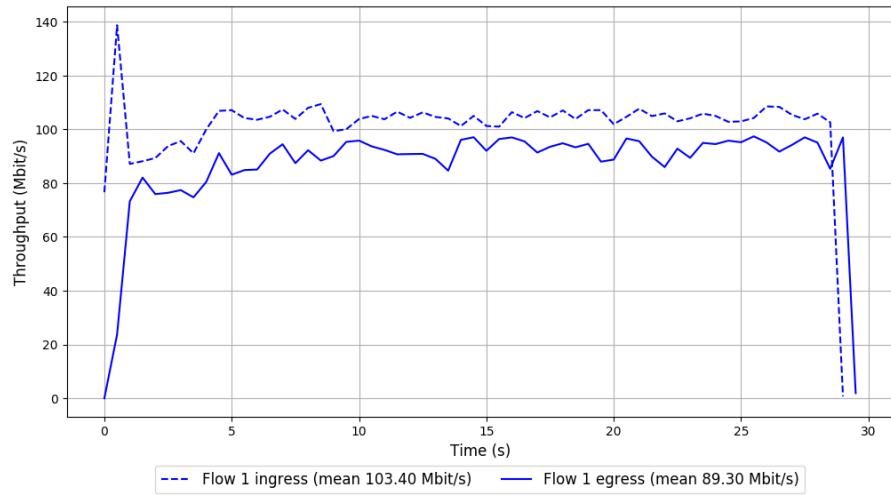


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-02-05 02:53:14
End at: 2019-02-05 02:53:44
Local clock offset: -4.059 ms
Remote clock offset: -3.305 ms

# Below is generated by plot.py at 2019-02-05 04:36:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.30 Mbit/s
95th percentile per-packet one-way delay: 17.860 ms
Loss rate: 13.64%
-- Flow 1:
Average throughput: 89.30 Mbit/s
95th percentile per-packet one-way delay: 17.860 ms
Loss rate: 13.64%
```

Run 2: Report of Indigo-MusesT — Data Link

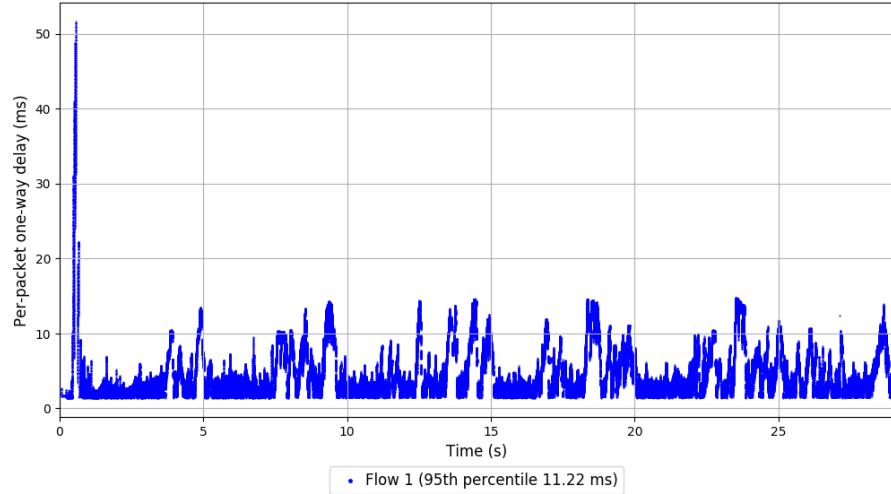
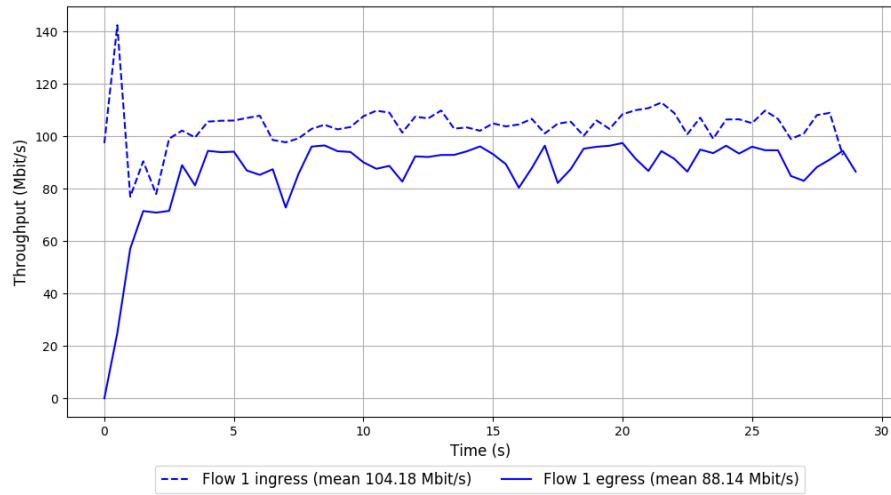


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-02-05 03:19:05
End at: 2019-02-05 03:19:35
Local clock offset: 0.611 ms
Remote clock offset: -5.707 ms

# Below is generated by plot.py at 2019-02-05 04:36:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.14 Mbit/s
95th percentile per-packet one-way delay: 11.224 ms
Loss rate: 15.39%
-- Flow 1:
Average throughput: 88.14 Mbit/s
95th percentile per-packet one-way delay: 11.224 ms
Loss rate: 15.39%
```

Run 3: Report of Indigo-MusesT — Data Link

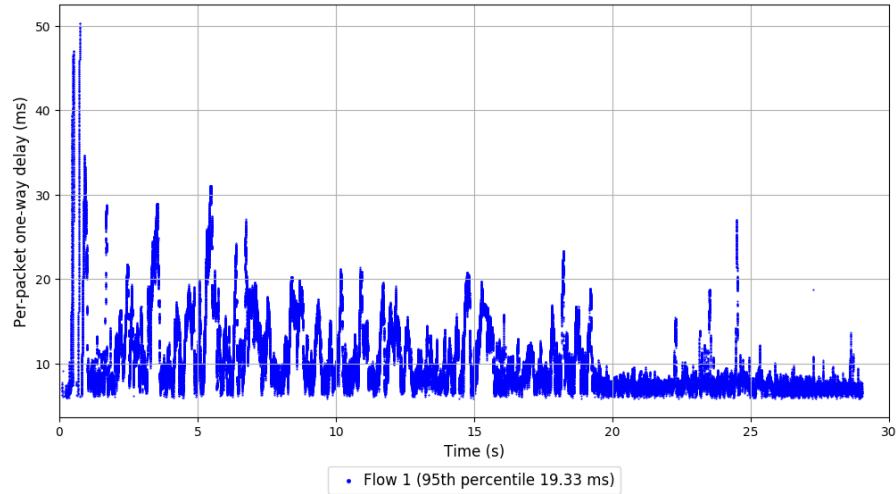
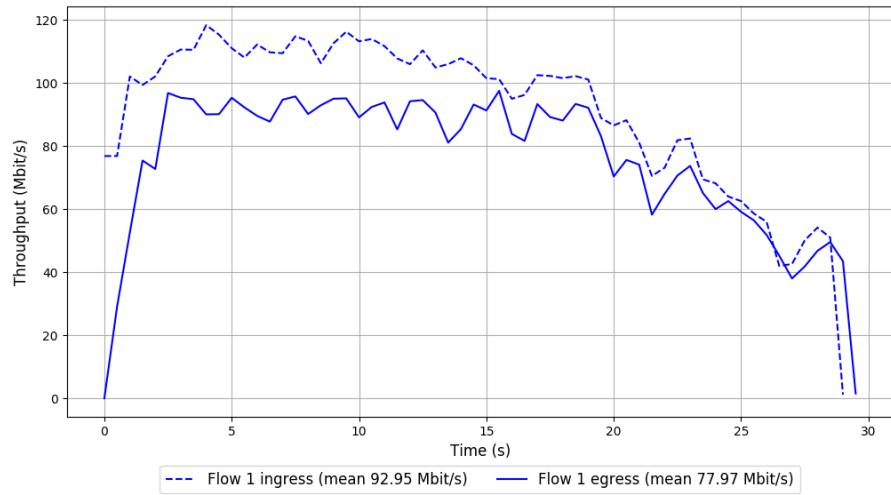


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-02-05 03:44:41
End at: 2019-02-05 03:45:11
Local clock offset: -1.749 ms
Remote clock offset: -3.793 ms

# Below is generated by plot.py at 2019-02-05 04:36:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.97 Mbit/s
95th percentile per-packet one-way delay: 19.326 ms
Loss rate: 16.12%
-- Flow 1:
Average throughput: 77.97 Mbit/s
95th percentile per-packet one-way delay: 19.326 ms
Loss rate: 16.12%
```

Run 4: Report of Indigo-MusesT — Data Link

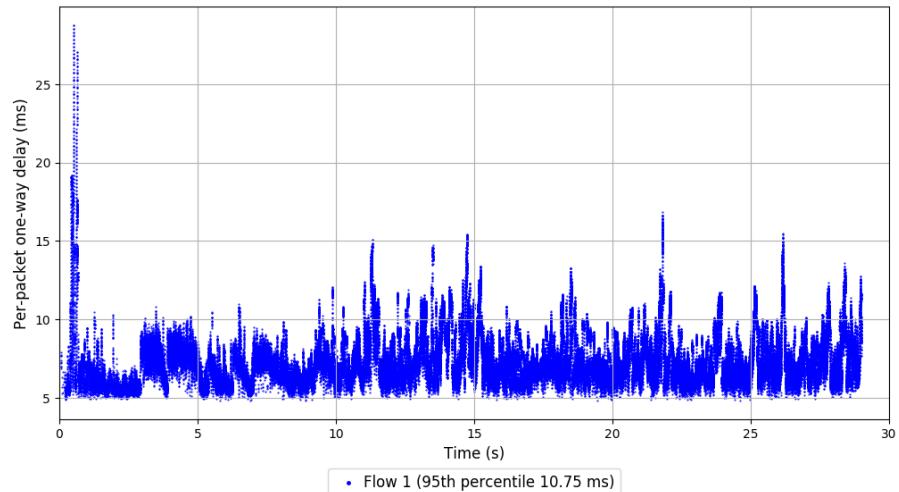
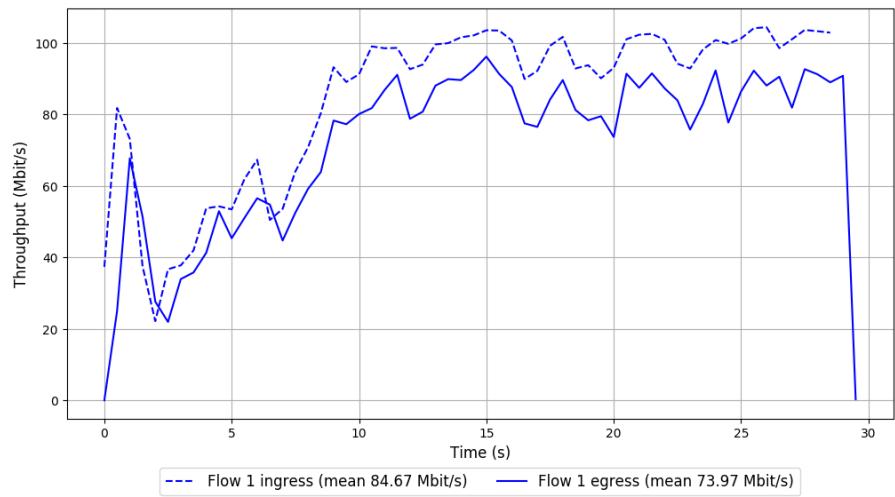


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-02-05 04:10:01
End at: 2019-02-05 04:10:31
Local clock offset: -0.997 ms
Remote clock offset: -4.967 ms

# Below is generated by plot.py at 2019-02-05 04:37:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.97 Mbit/s
95th percentile per-packet one-way delay: 10.752 ms
Loss rate: 12.63%
-- Flow 1:
Average throughput: 73.97 Mbit/s
95th percentile per-packet one-way delay: 10.752 ms
Loss rate: 12.63%
```

Run 5: Report of Indigo-MusesT — Data Link

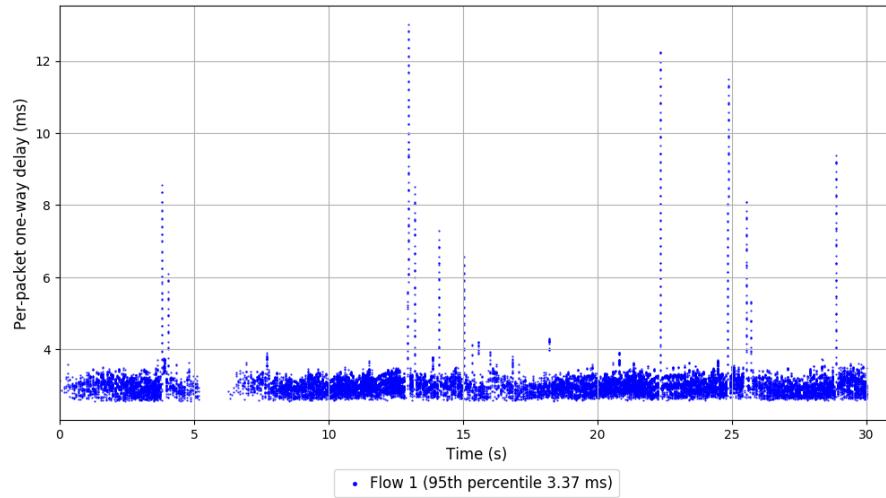
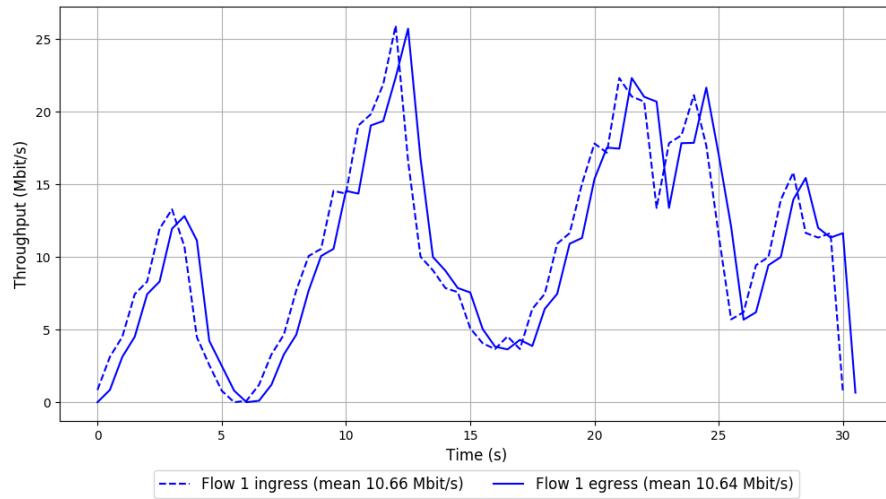


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2019-02-05 02:24:58
End at: 2019-02-05 02:25:28
Local clock offset: -1.027 ms
Remote clock offset: -5.45 ms

# Below is generated by plot.py at 2019-02-05 04:37:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 3.368 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 3.368 ms
Loss rate: 0.14%
```

Run 1: Report of LEDBAT — Data Link

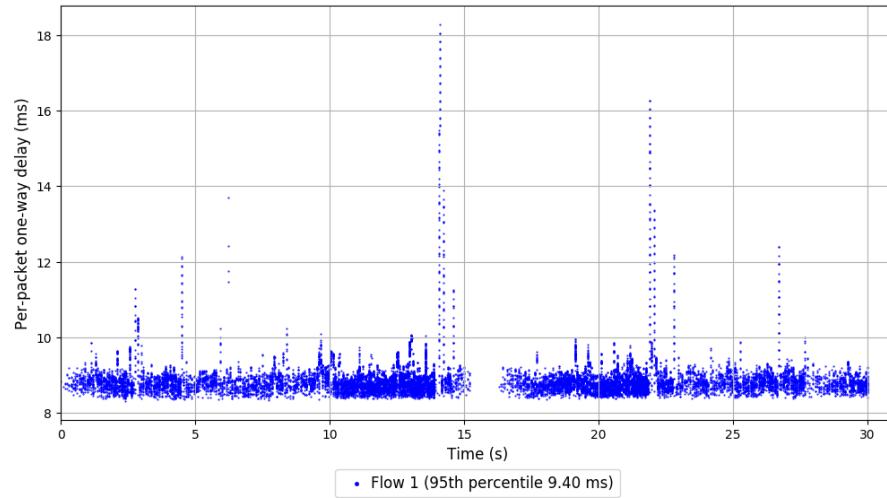
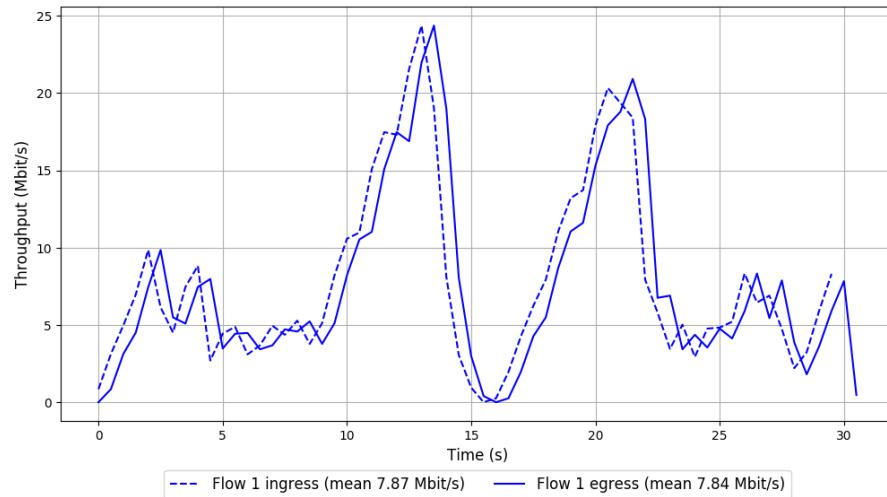


Run 2: Statistics of LEDBAT

```
Start at: 2019-02-05 02:50:36
End at: 2019-02-05 02:51:06
Local clock offset: -4.07 ms
Remote clock offset: -3.766 ms

# Below is generated by plot.py at 2019-02-05 04:37:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.84 Mbit/s
95th percentile per-packet one-way delay: 9.404 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 7.84 Mbit/s
95th percentile per-packet one-way delay: 9.404 ms
Loss rate: 0.46%
```

Run 2: Report of LEDBAT — Data Link

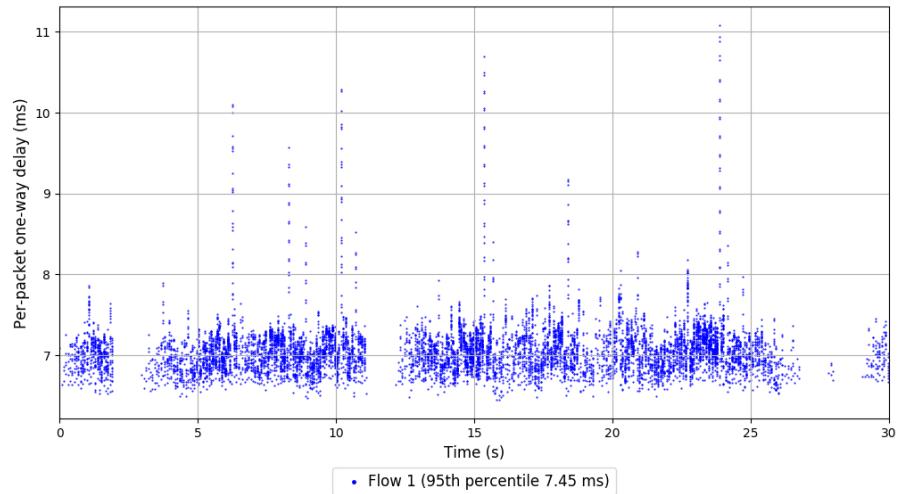
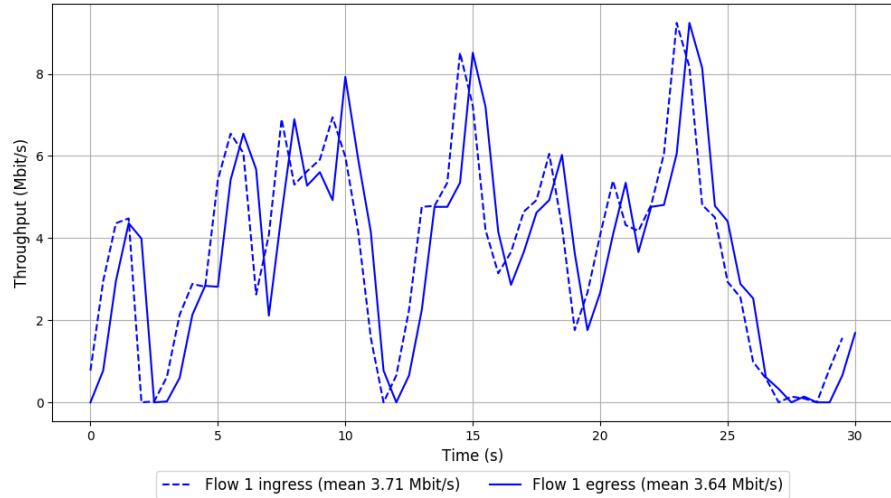


Run 3: Statistics of LEDBAT

```
Start at: 2019-02-05 03:16:44
End at: 2019-02-05 03:17:15
Local clock offset: -2.779 ms
Remote clock offset: -3.769 ms

# Below is generated by plot.py at 2019-02-05 04:37:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 7.452 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 3.64 Mbit/s
95th percentile per-packet one-way delay: 7.452 ms
Loss rate: 1.83%
```

Run 3: Report of LEDBAT — Data Link

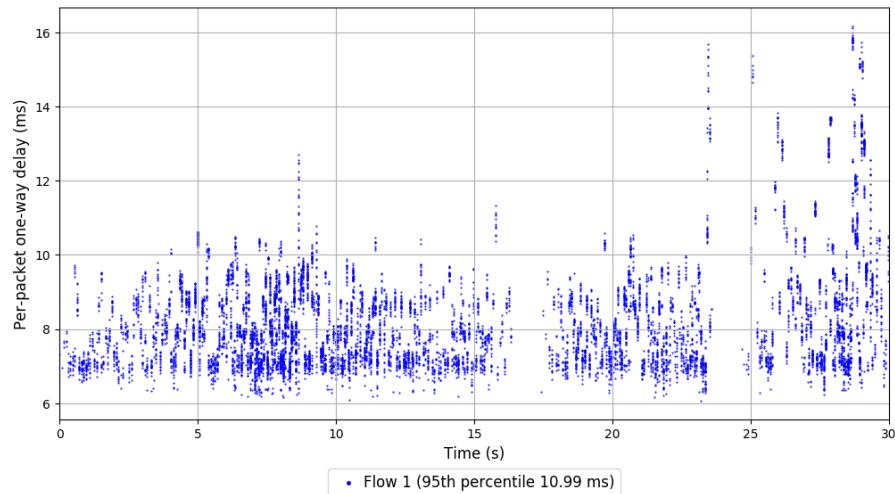
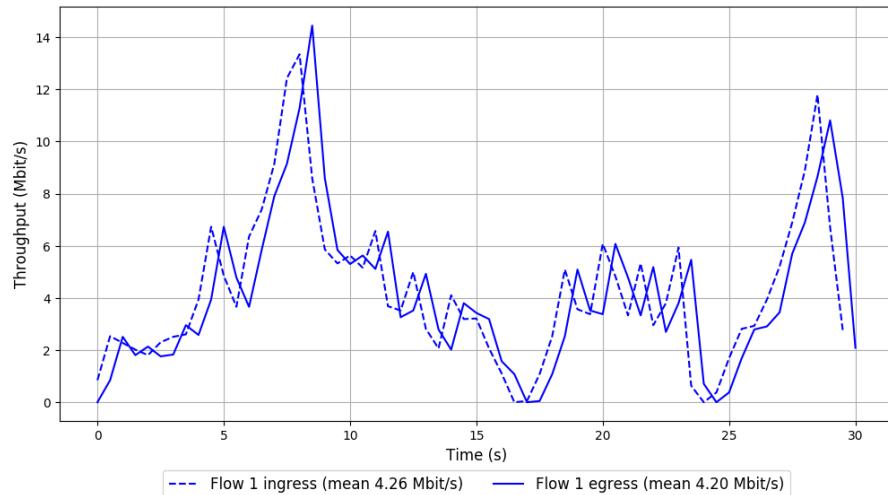


Run 4: Statistics of LEDBAT

```
Start at: 2019-02-05 03:42:00
End at: 2019-02-05 03:42:30
Local clock offset: -2.034 ms
Remote clock offset: -3.886 ms

# Below is generated by plot.py at 2019-02-05 04:37:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 10.994 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 4.20 Mbit/s
95th percentile per-packet one-way delay: 10.994 ms
Loss rate: 1.41%
```

Run 4: Report of LEDBAT — Data Link

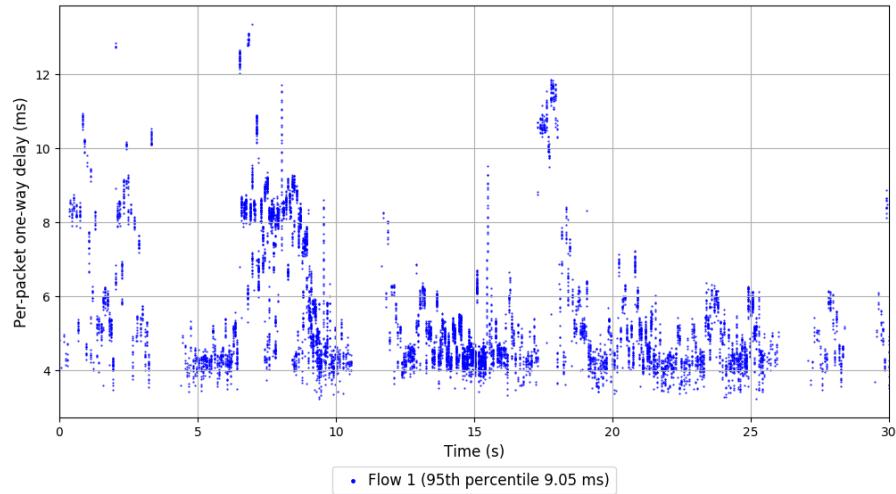
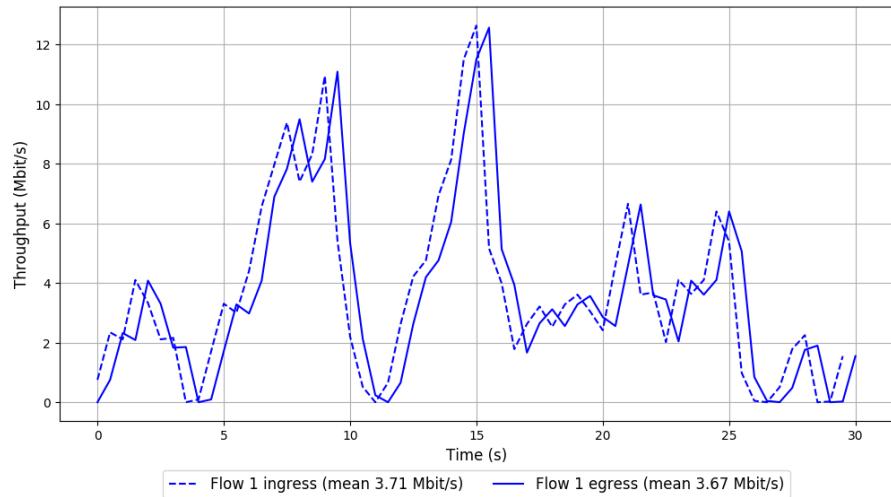


Run 5: Statistics of LEDBAT

```
Start at: 2019-02-05 04:07:39
End at: 2019-02-05 04:08:09
Local clock offset: 0.534 ms
Remote clock offset: -5.152 ms

# Below is generated by plot.py at 2019-02-05 04:37:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 9.049 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 3.67 Mbit/s
95th percentile per-packet one-way delay: 9.049 ms
Loss rate: 1.25%
```

Run 5: Report of LEDBAT — Data Link

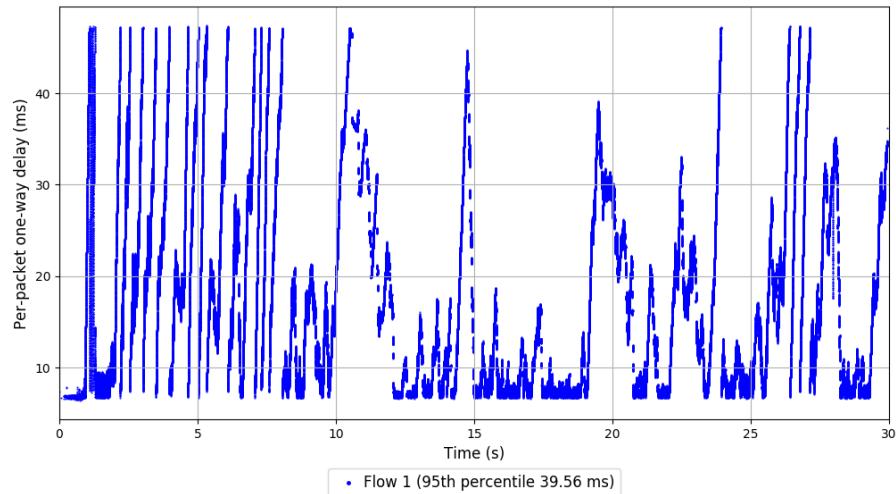
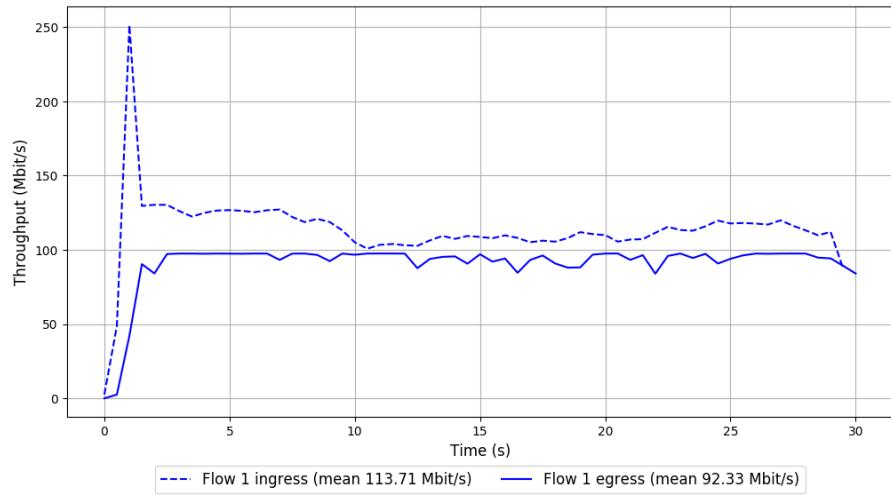


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-02-05 02:31:04
End at: 2019-02-05 02:31:34
Local clock offset: -3.34 ms
Remote clock offset: -3.751 ms

# Below is generated by plot.py at 2019-02-05 04:37:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 39.560 ms
Loss rate: 18.73%
-- Flow 1:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 39.560 ms
Loss rate: 18.73%
```

Run 1: Report of PCC-Allegro — Data Link

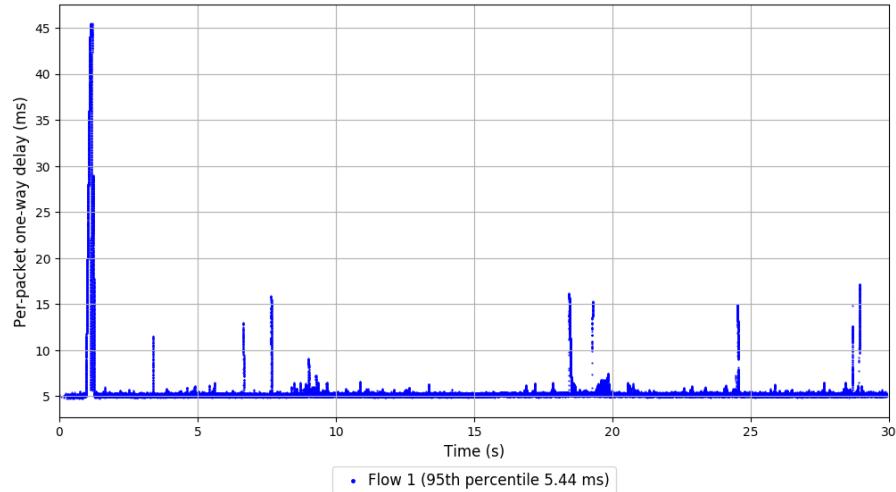
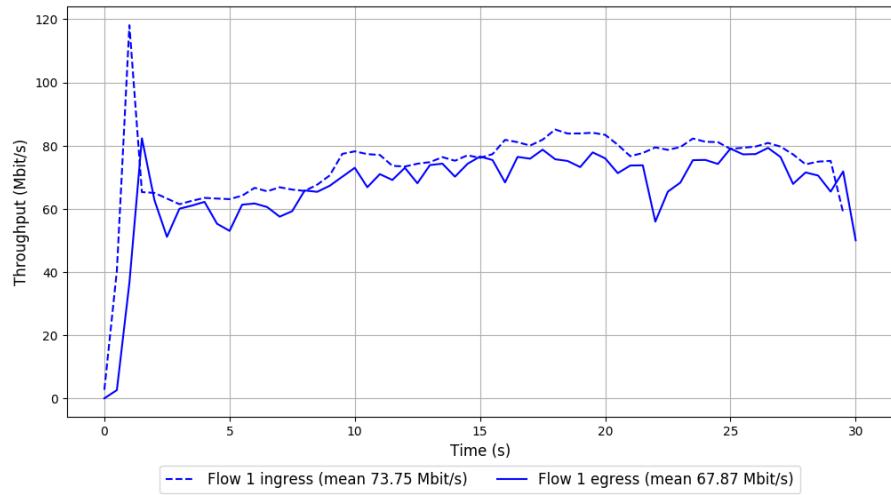


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-02-05 02:56:55
End at: 2019-02-05 02:57:25
Local clock offset: -2.531 ms
Remote clock offset: -6.195 ms

# Below is generated by plot.py at 2019-02-05 04:37:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.87 Mbit/s
95th percentile per-packet one-way delay: 5.441 ms
Loss rate: 7.97%
-- Flow 1:
Average throughput: 67.87 Mbit/s
95th percentile per-packet one-way delay: 5.441 ms
Loss rate: 7.97%
```

Run 2: Report of PCC-Allegro — Data Link

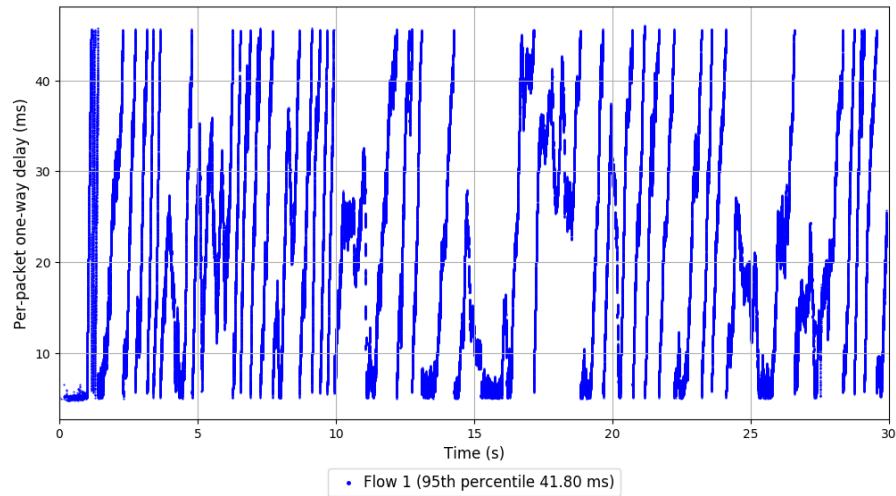
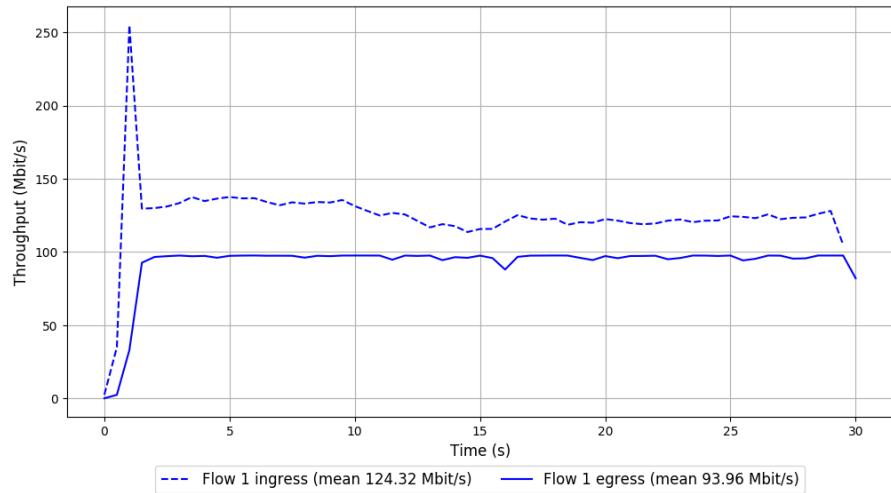


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-02-05 03:22:35
End at: 2019-02-05 03:23:05
Local clock offset: -2.134 ms
Remote clock offset: -4.98 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.96 Mbit/s
95th percentile per-packet one-way delay: 41.796 ms
Loss rate: 24.37%
-- Flow 1:
Average throughput: 93.96 Mbit/s
95th percentile per-packet one-way delay: 41.796 ms
Loss rate: 24.37%
```

Run 3: Report of PCC-Allegro — Data Link

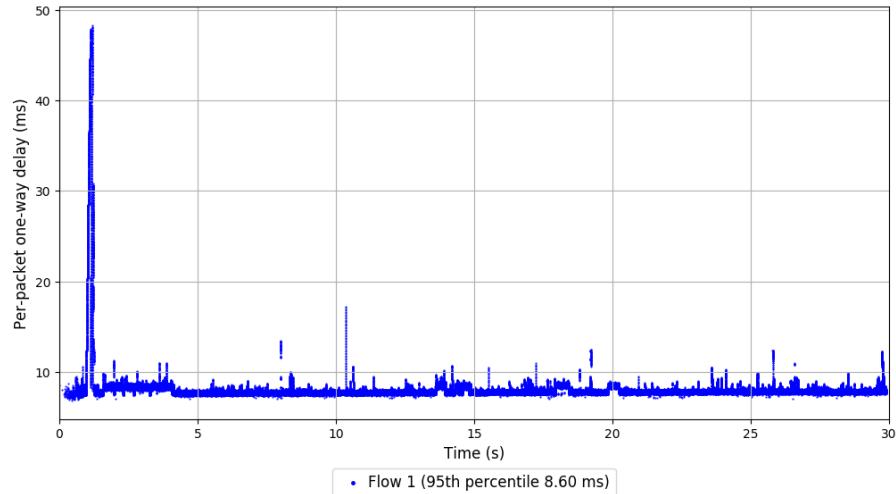
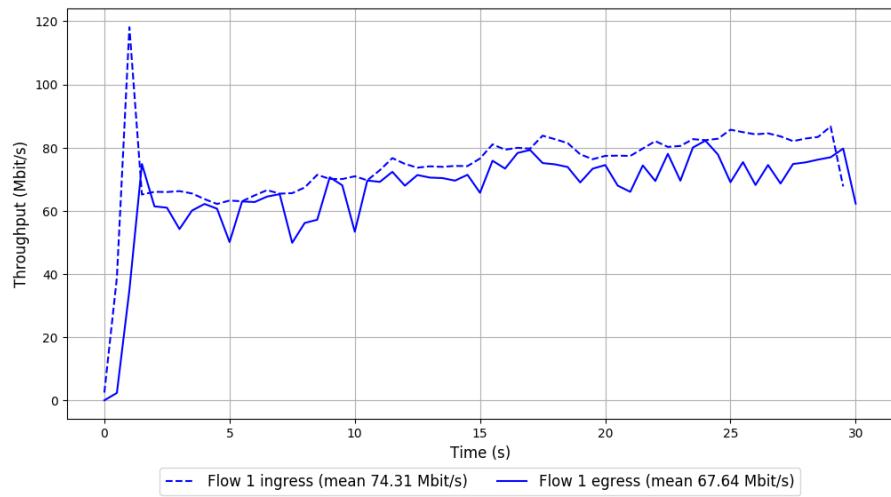


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-02-05 03:48:18
End at: 2019-02-05 03:48:48
Local clock offset: -0.1 ms
Remote clock offset: -2.391 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.64 Mbit/s
95th percentile per-packet one-way delay: 8.598 ms
Loss rate: 8.99%
-- Flow 1:
Average throughput: 67.64 Mbit/s
95th percentile per-packet one-way delay: 8.598 ms
Loss rate: 8.99%
```

Run 4: Report of PCC-Allegro — Data Link

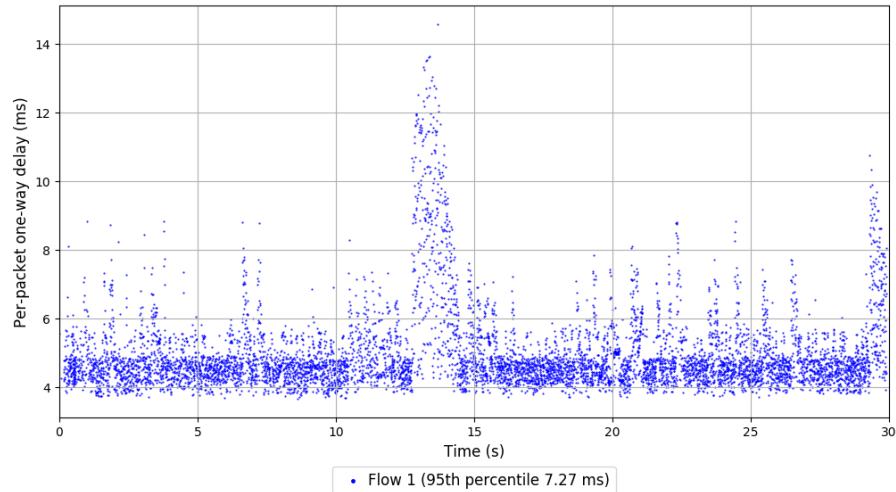
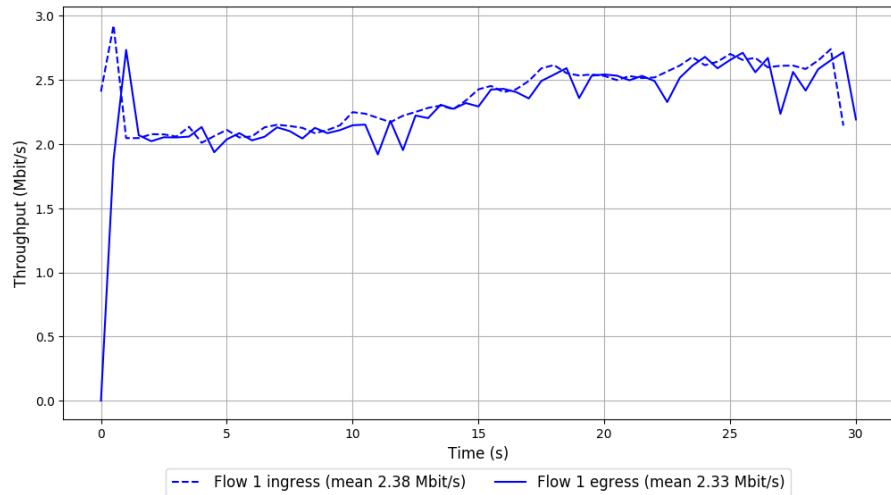


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-02-05 04:13:27
End at: 2019-02-05 04:13:57
Local clock offset: -1.529 ms
Remote clock offset: -6.513 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 7.268 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 7.268 ms
Loss rate: 2.16%
```

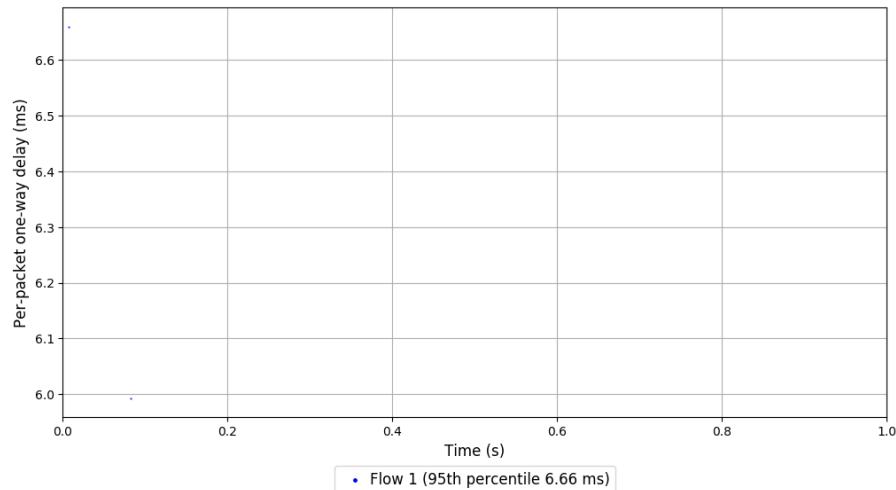
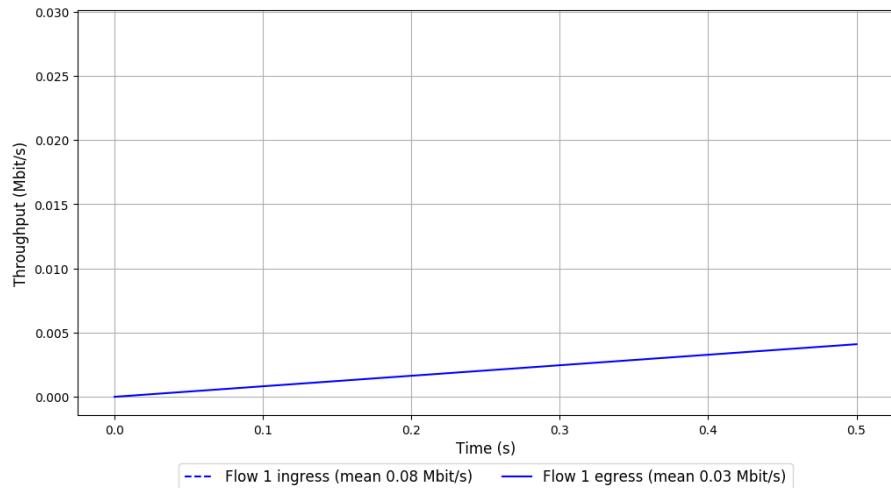
Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-02-05 02:28:46
End at: 2019-02-05 02:29:16
Local clock offset: -3.726 ms
Remote clock offset: -4.922 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

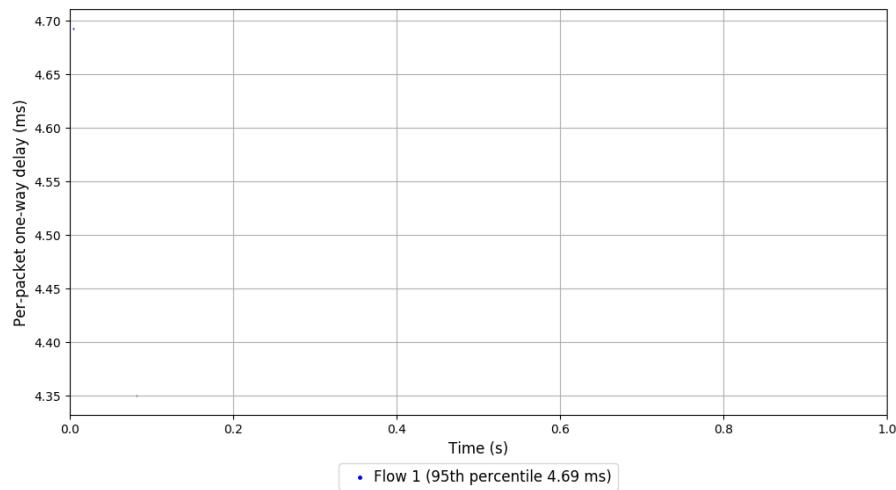
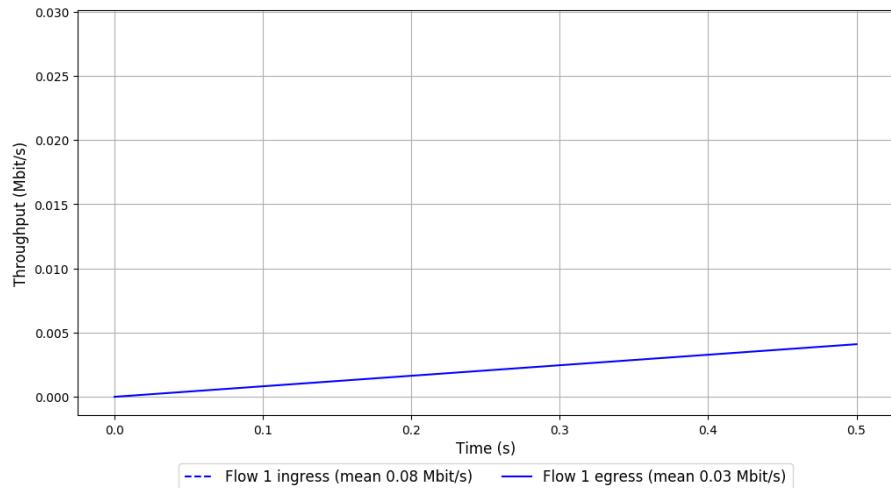
Start at: 2019-02-05 02:54:42

End at: 2019-02-05 02:55:12

Local clock offset: -1.674 ms

Remote clock offset: -5.779 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

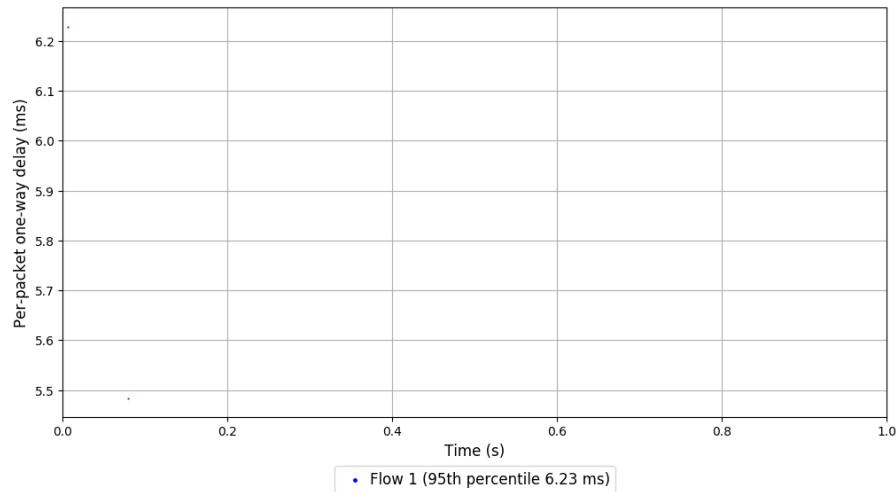
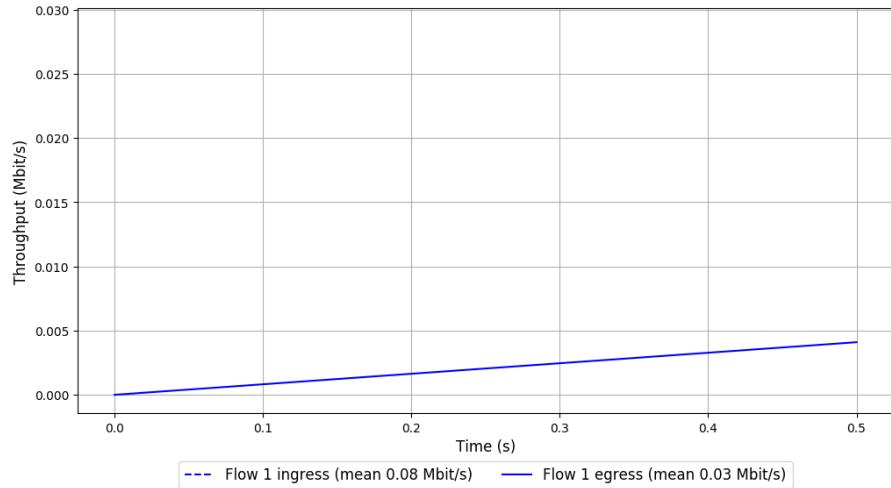
Start at: 2019-02-05 03:20:23

End at: 2019-02-05 03:20:53

Local clock offset: -2.094 ms

Remote clock offset: -4.333 ms

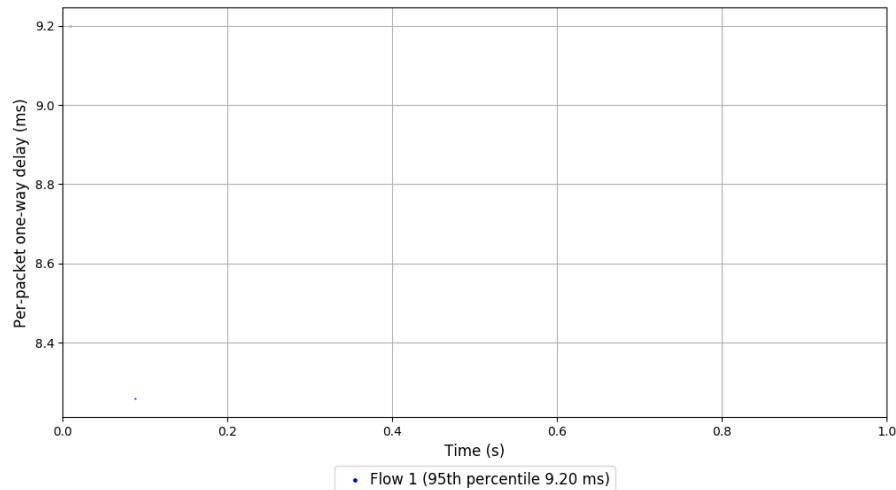
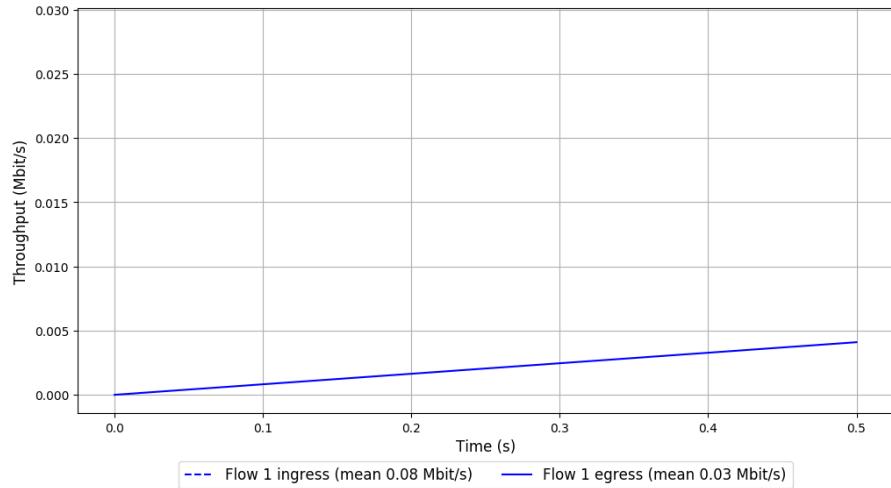
Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-02-05 03:46:05
End at: 2019-02-05 03:46:35
Local clock offset: -3.138 ms
Remote clock offset: -3.394 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

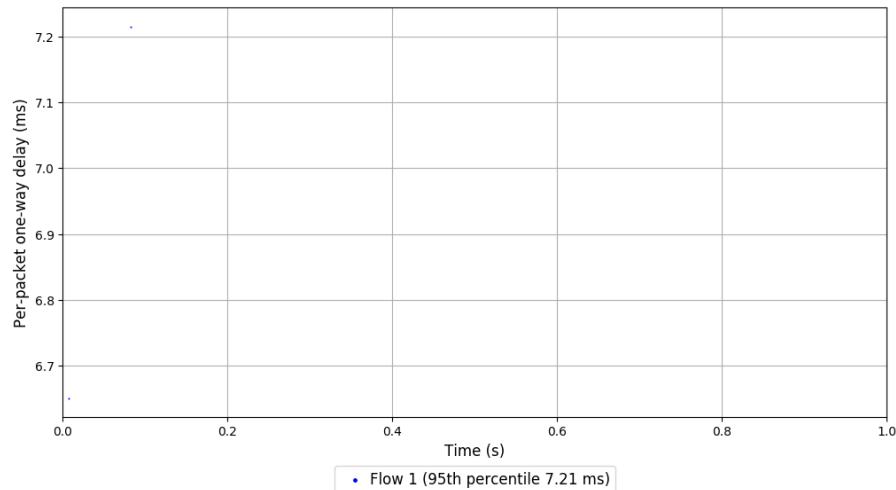
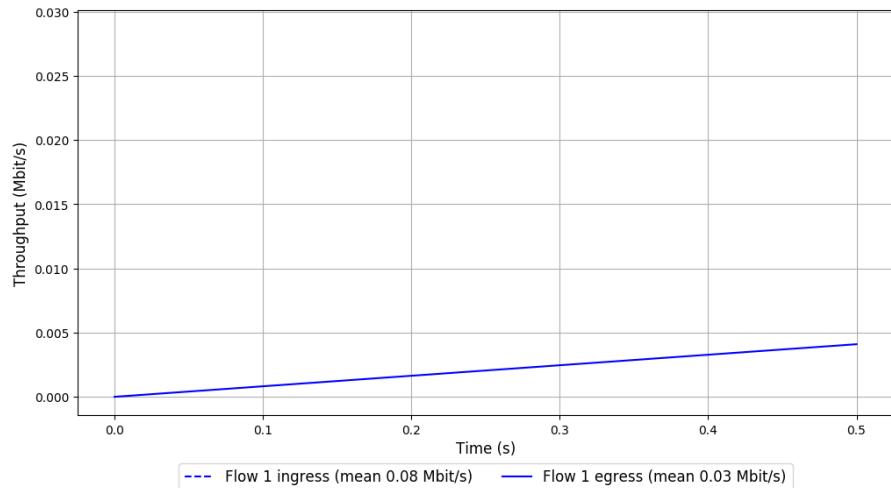
Start at: 2019-02-05 04:11:14

End at: 2019-02-05 04:11:44

Local clock offset: -0.877 ms

Remote clock offset: -5.321 ms

Run 5: Report of PCC-Expr — Data Link

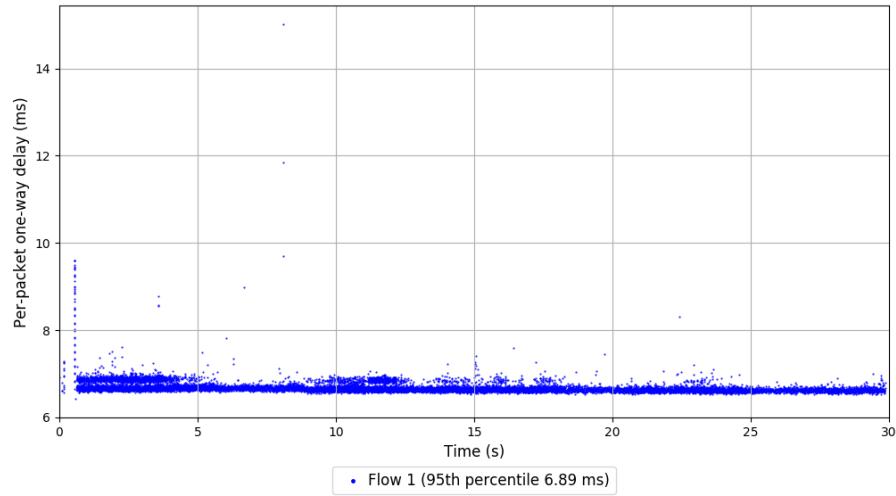
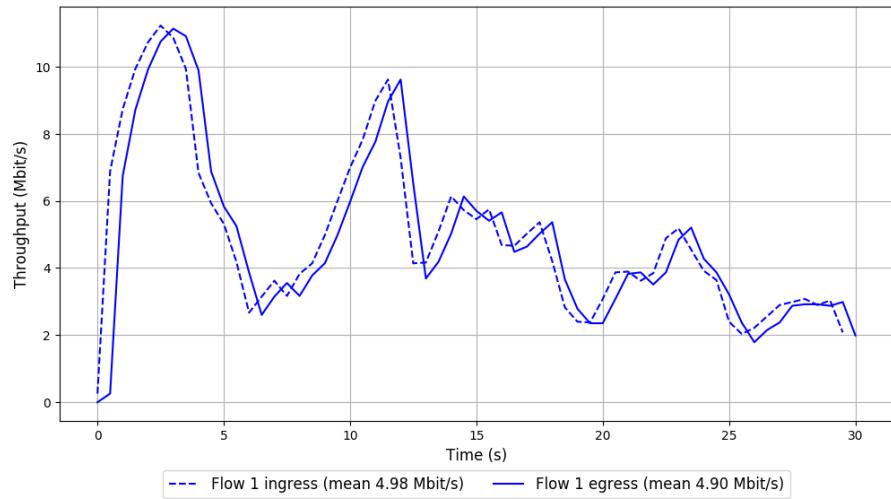


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-02-05 02:44:37
End at: 2019-02-05 02:45:07
Local clock offset: -5.001 ms
Remote clock offset: -5.724 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.90 Mbit/s
95th percentile per-packet one-way delay: 6.894 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 4.90 Mbit/s
95th percentile per-packet one-way delay: 6.894 ms
Loss rate: 1.72%
```

Run 1: Report of QUIC Cubic — Data Link

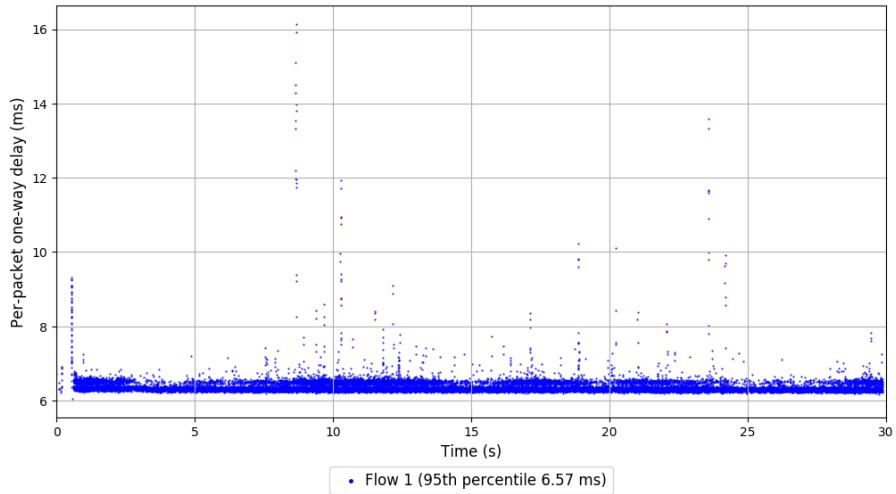
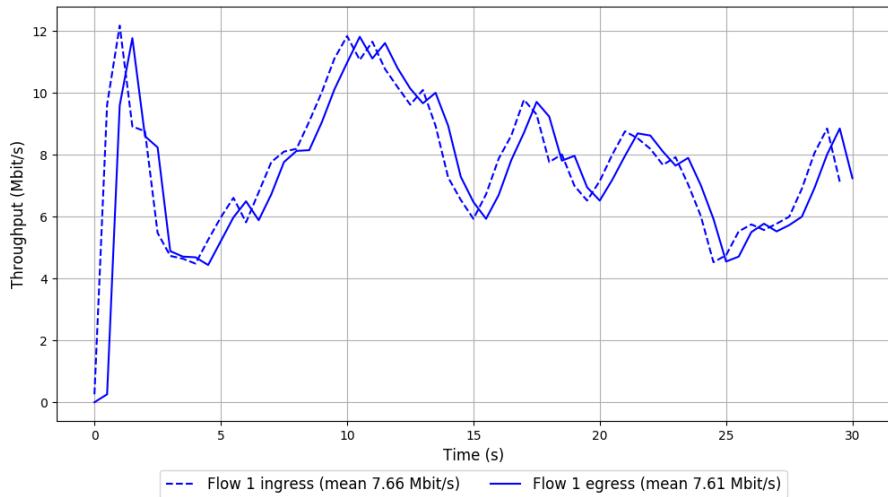


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-02-05 03:10:27
End at: 2019-02-05 03:10:57
Local clock offset: -0.891 ms
Remote clock offset: -3.177 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 6.569 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 7.61 Mbit/s
95th percentile per-packet one-way delay: 6.569 ms
Loss rate: 0.58%
```

Run 2: Report of QUIC Cubic — Data Link

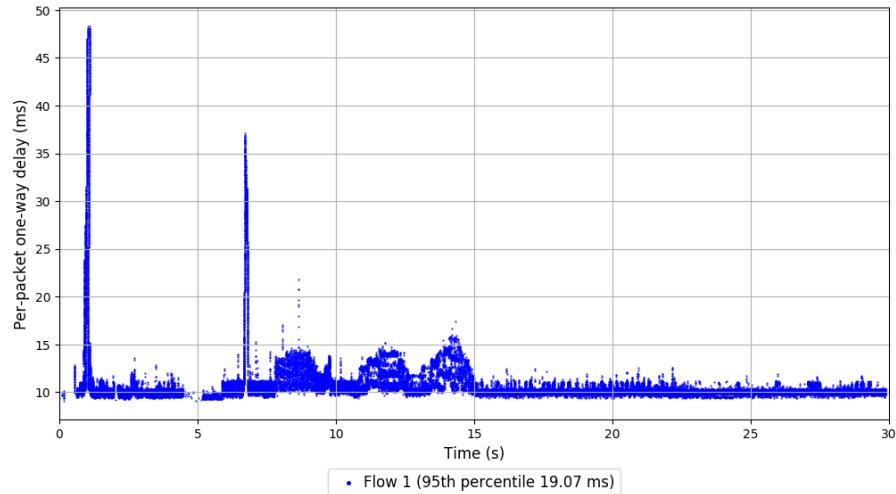
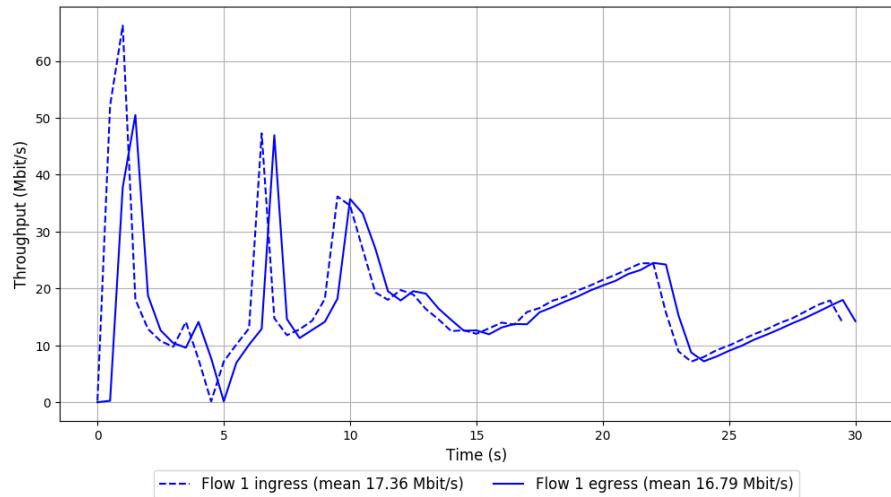


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-02-05 03:35:46
End at: 2019-02-05 03:36:16
Local clock offset: -3.611 ms
Remote clock offset: -3.32 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.79 Mbit/s
95th percentile per-packet one-way delay: 19.073 ms
Loss rate: 3.30%
-- Flow 1:
Average throughput: 16.79 Mbit/s
95th percentile per-packet one-way delay: 19.073 ms
Loss rate: 3.30%
```

Run 3: Report of QUIC Cubic — Data Link

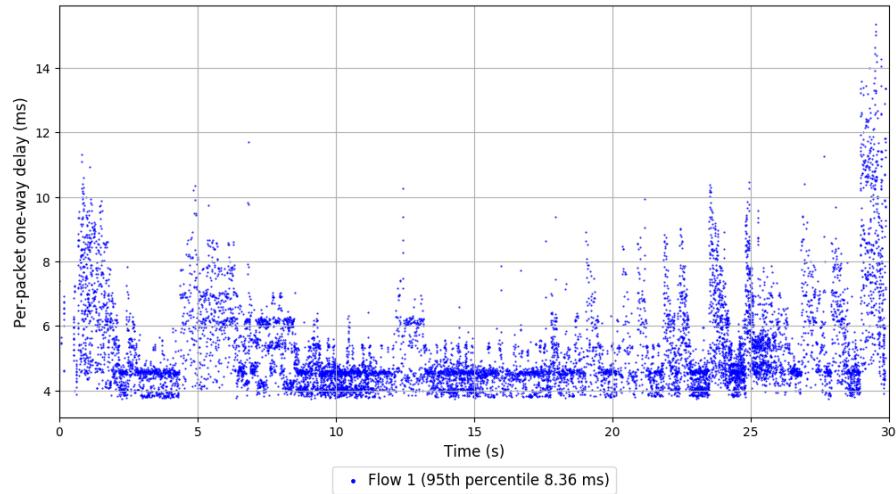
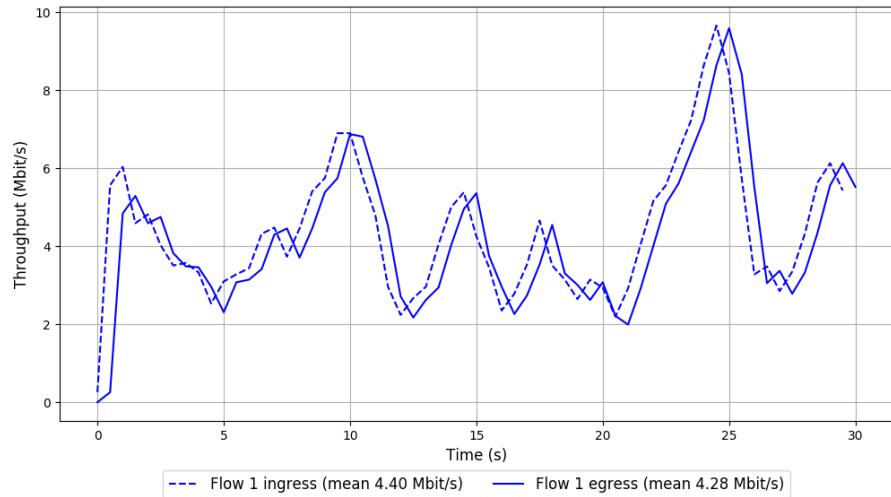


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-02-05 04:01:30
End at: 2019-02-05 04:02:00
Local clock offset: -0.456 ms
Remote clock offset: -5.358 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 8.364 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 4.28 Mbit/s
95th percentile per-packet one-way delay: 8.364 ms
Loss rate: 2.67%
```

Run 4: Report of QUIC Cubic — Data Link

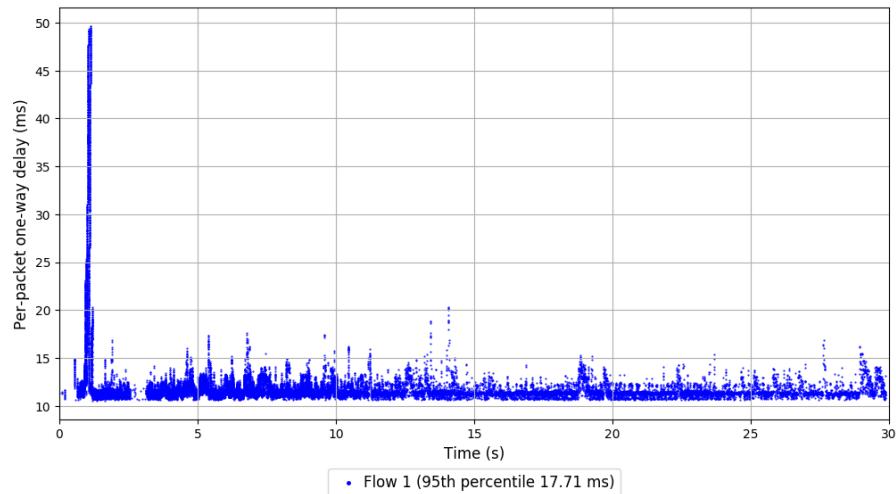
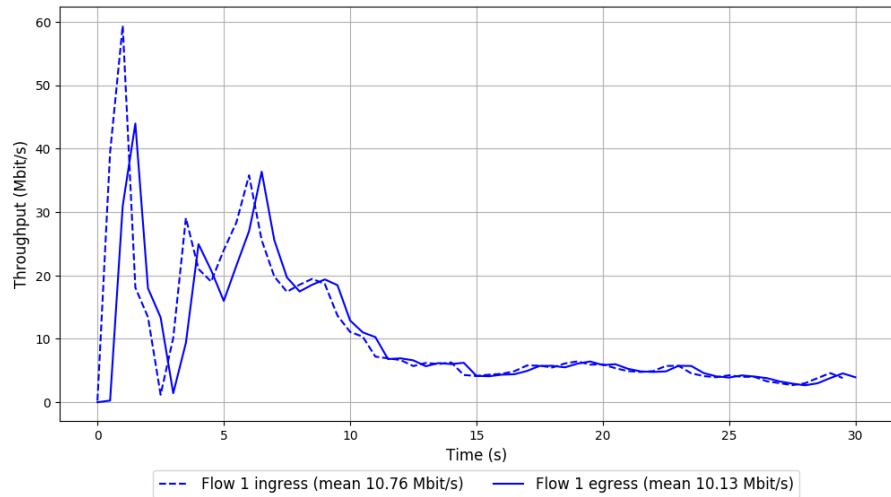


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-02-05 04:26:27
End at: 2019-02-05 04:26:57
Local clock offset: -1.79 ms
Remote clock offset: -1.847 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.13 Mbit/s
95th percentile per-packet one-way delay: 17.714 ms
Loss rate: 5.89%
-- Flow 1:
Average throughput: 10.13 Mbit/s
95th percentile per-packet one-way delay: 17.714 ms
Loss rate: 5.89%
```

Run 5: Report of QUIC Cubic — Data Link

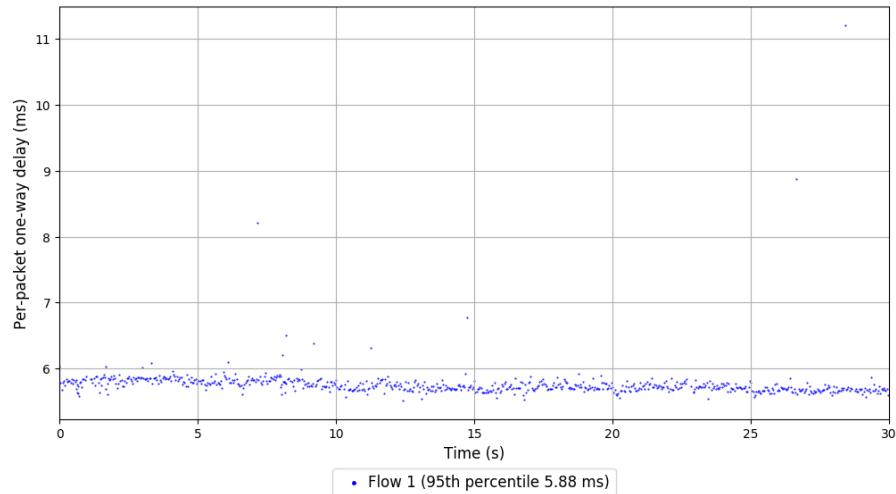
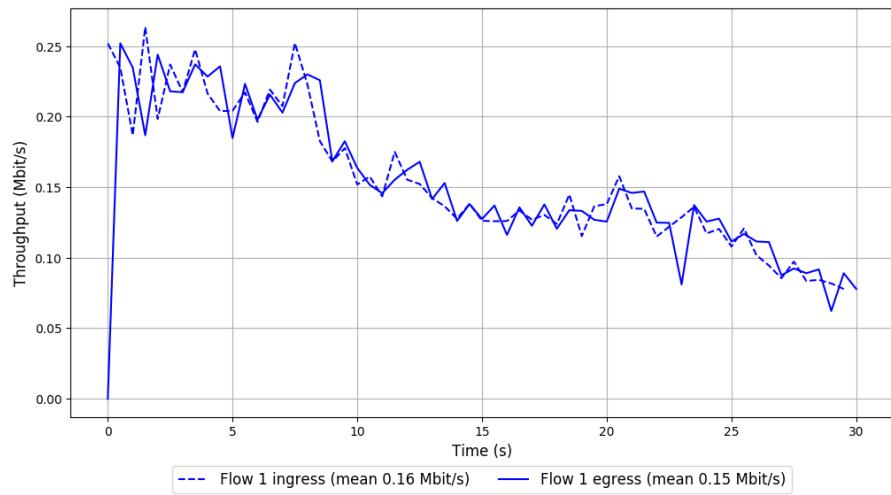


Run 1: Statistics of SCReAM

```
Start at: 2019-02-05 02:38:53
End at: 2019-02-05 02:39:23
Local clock offset: -2.559 ms
Remote clock offset: -3.585 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 5.880 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 5.880 ms
Loss rate: 0.87%
```

Run 1: Report of SCReAM — Data Link

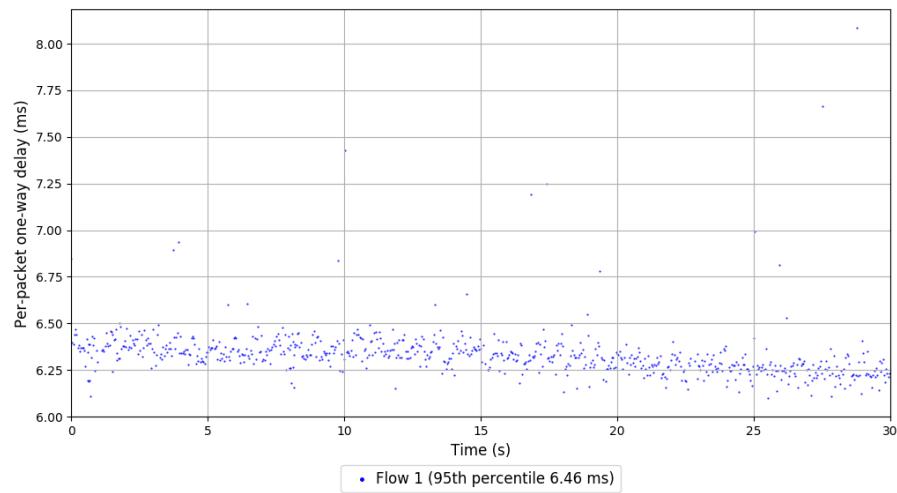
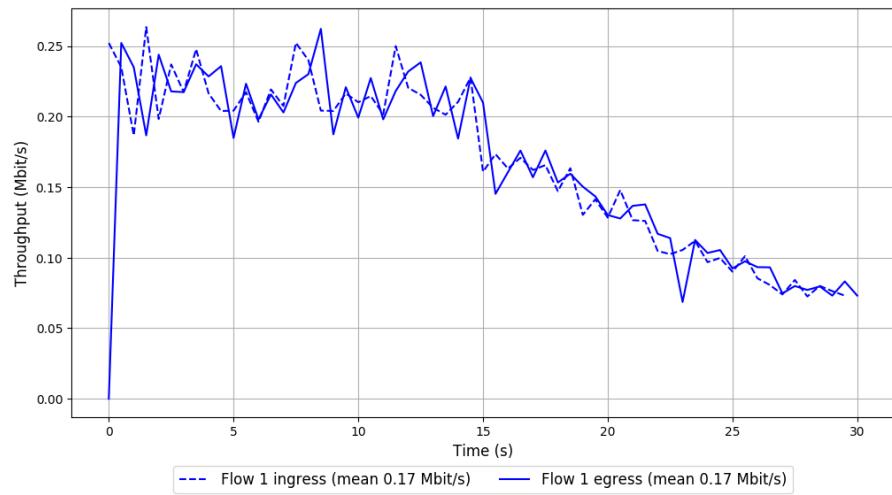


Run 2: Statistics of SCReAM

```
Start at: 2019-02-05 03:04:41
End at: 2019-02-05 03:05:11
Local clock offset: -1.07 ms
Remote clock offset: -3.439 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 6.456 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 6.456 ms
Loss rate: 0.71%
```

Run 2: Report of SCReAM — Data Link

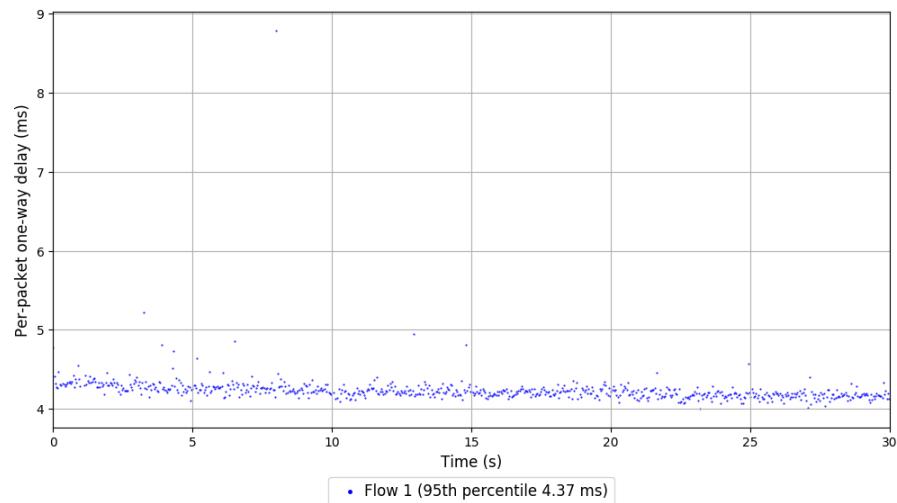
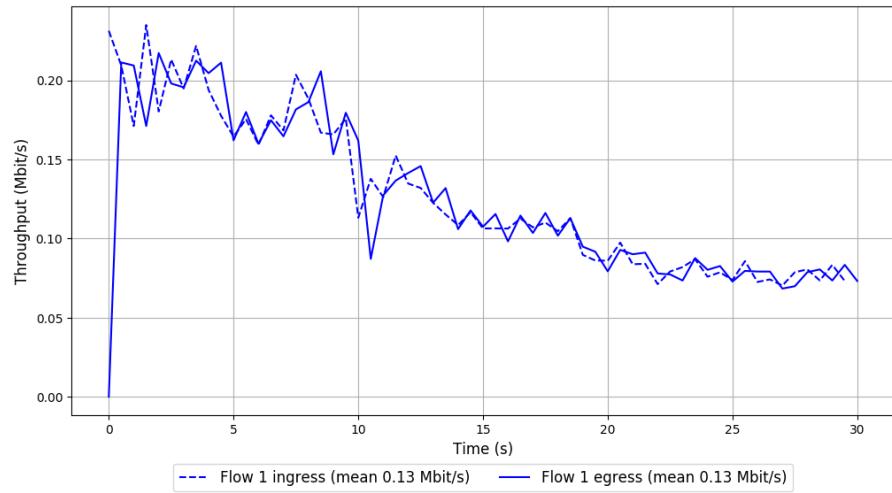


Run 3: Statistics of SCReAM

```
Start at: 2019-02-05 03:30:02
End at: 2019-02-05 03:30:32
Local clock offset: -0.316 ms
Remote clock offset: -4.251 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 4.365 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 4.365 ms
Loss rate: 1.07%
```

Run 3: Report of SCReAM — Data Link

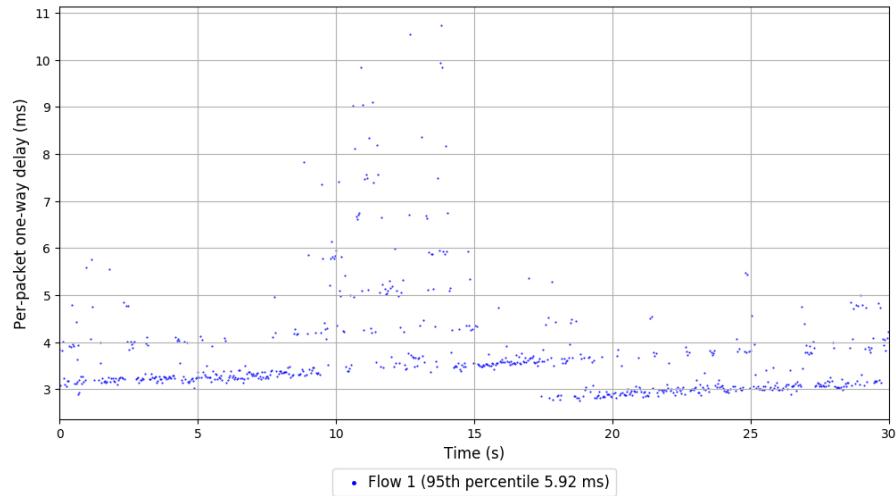
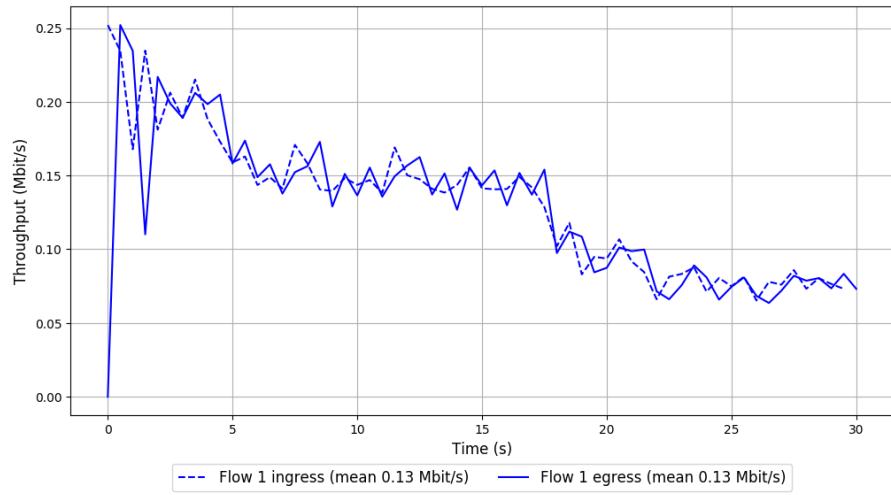


Run 4: Statistics of SCReAM

```
Start at: 2019-02-05 03:55:43
End at: 2019-02-05 03:56:13
Local clock offset: -0.664 ms
Remote clock offset: -6.392 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 5.925 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 5.925 ms
Loss rate: 1.61%
```

Run 4: Report of SCReAM — Data Link

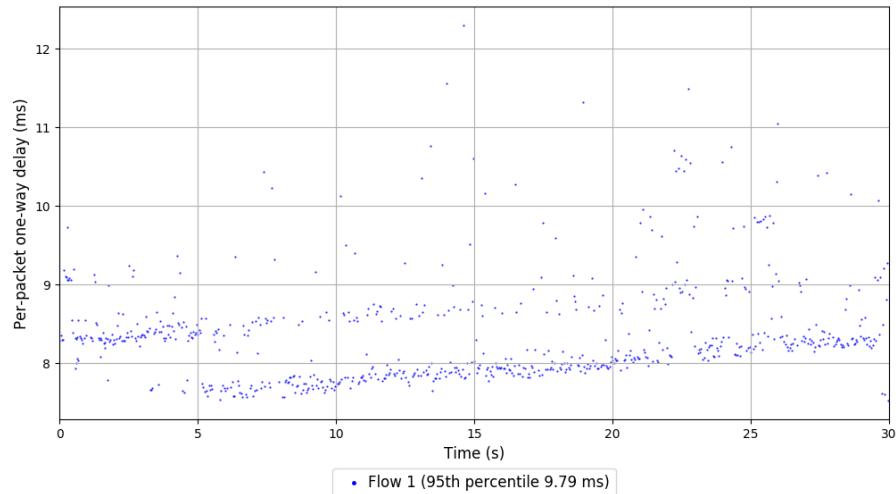
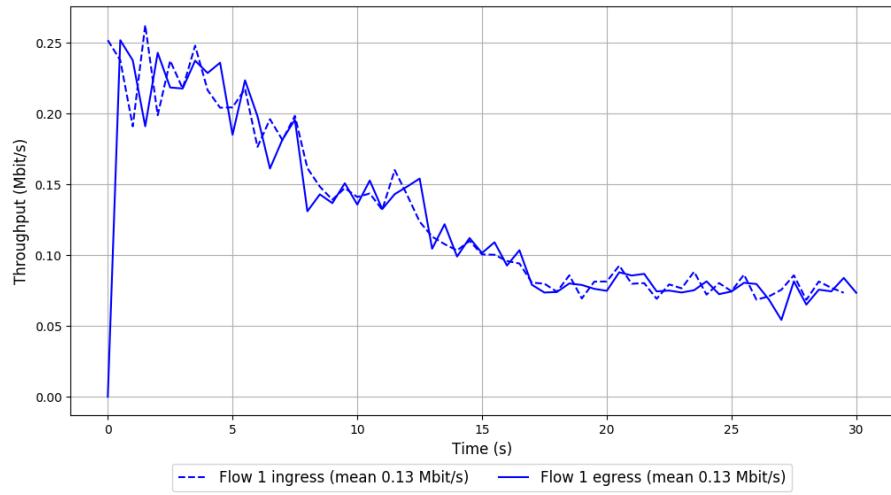


Run 5: Statistics of SCReAM

```
Start at: 2019-02-05 04:20:36
End at: 2019-02-05 04:21:06
Local clock offset: -0.034 ms
Remote clock offset: -1.876 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 9.791 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 9.791 ms
Loss rate: 2.55%
```

Run 5: Report of SCReAM — Data Link

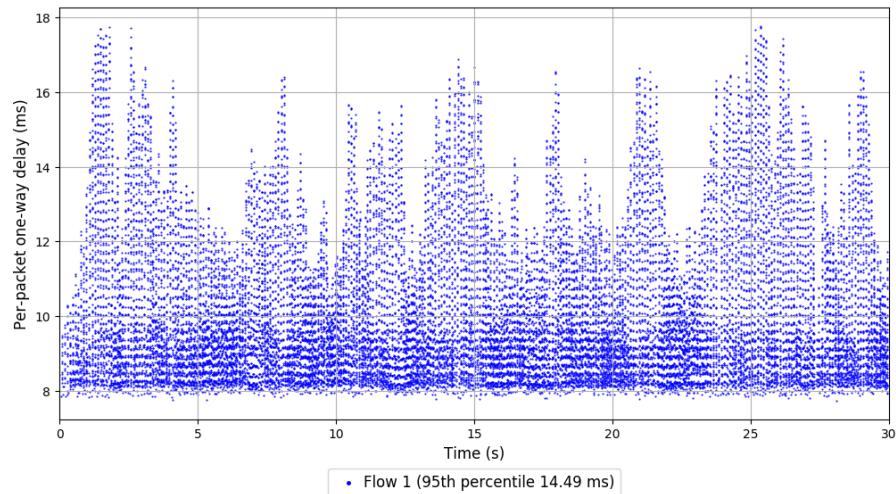
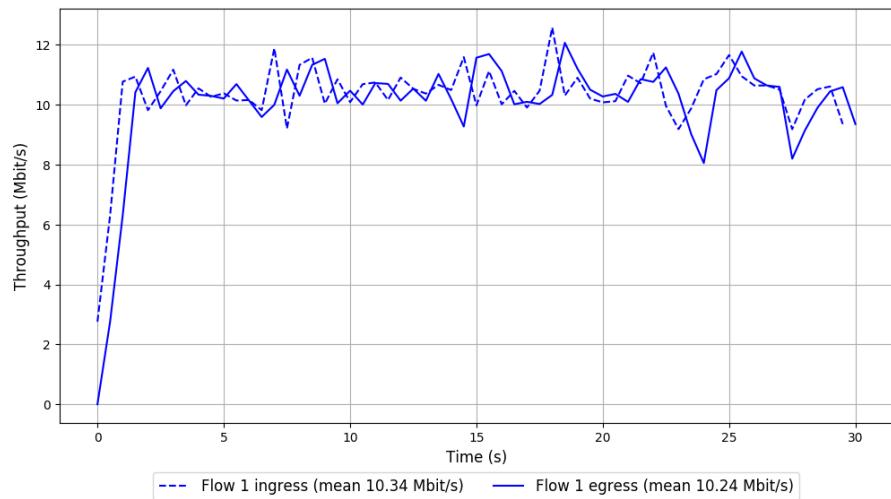


Run 1: Statistics of Sprout

```
Start at: 2019-02-05 02:29:52
End at: 2019-02-05 02:30:22
Local clock offset: -4.02 ms
Remote clock offset: -4.389 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.24 Mbit/s
95th percentile per-packet one-way delay: 14.491 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 10.24 Mbit/s
95th percentile per-packet one-way delay: 14.491 ms
Loss rate: 0.99%
```

Run 1: Report of Sprout — Data Link

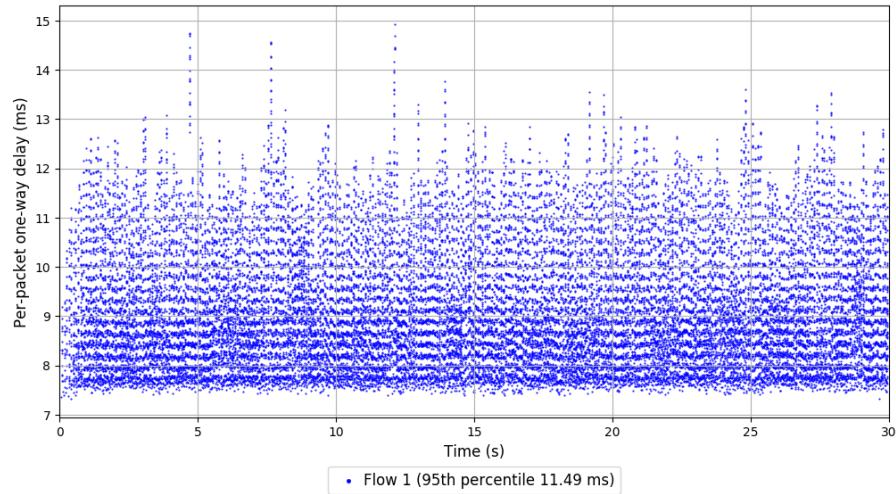
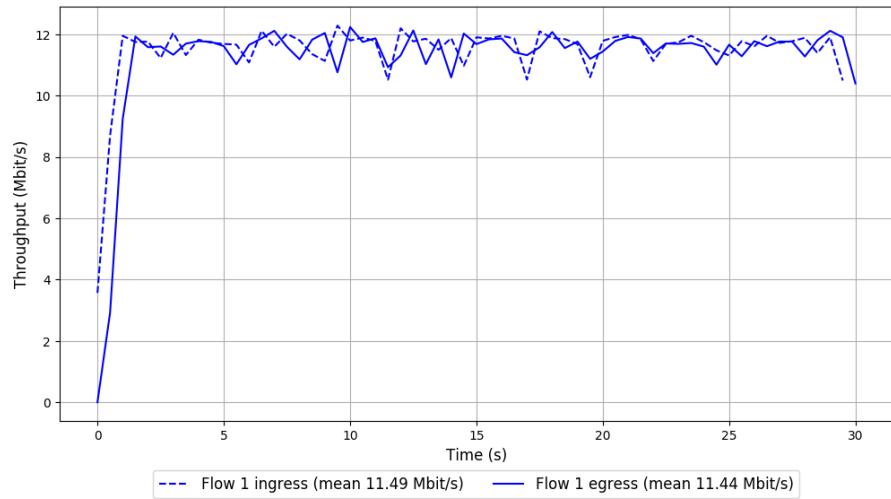


Run 2: Statistics of Sprout

```
Start at: 2019-02-05 02:55:48
End at: 2019-02-05 02:56:18
Local clock offset: -3.902 ms
Remote clock offset: -3.822 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.44 Mbit/s
95th percentile per-packet one-way delay: 11.492 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 11.44 Mbit/s
95th percentile per-packet one-way delay: 11.492 ms
Loss rate: 0.45%
```

Run 2: Report of Sprout — Data Link

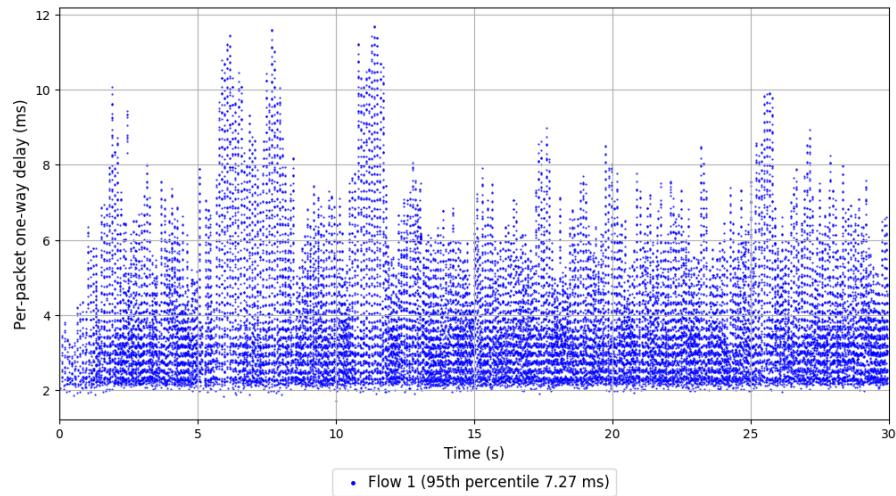
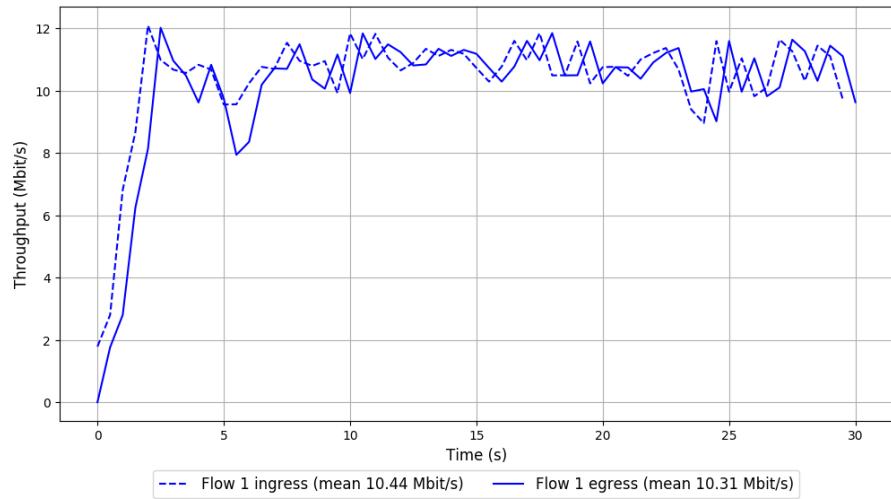


Run 3: Statistics of Sprout

```
Start at: 2019-02-05 03:21:28
End at: 2019-02-05 03:21:58
Local clock offset: 0.256 ms
Remote clock offset: -5.663 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.31 Mbit/s
95th percentile per-packet one-way delay: 7.270 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 10.31 Mbit/s
95th percentile per-packet one-way delay: 7.270 ms
Loss rate: 1.24%
```

Run 3: Report of Sprout — Data Link

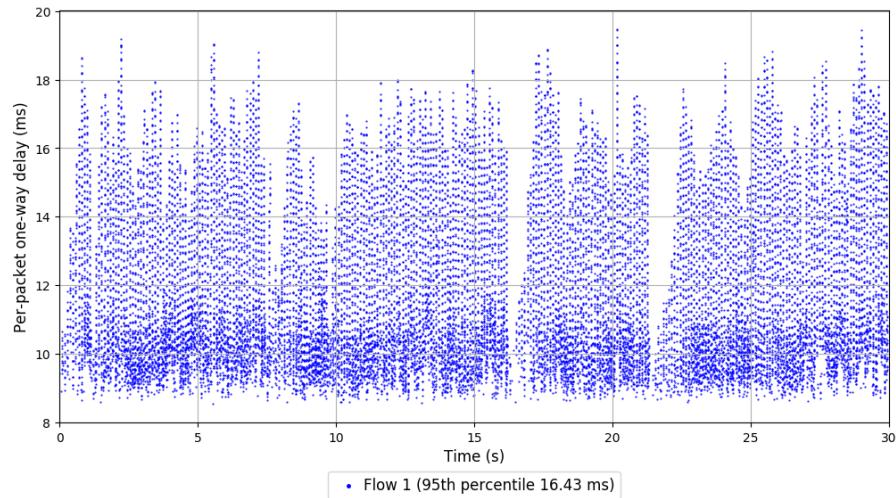
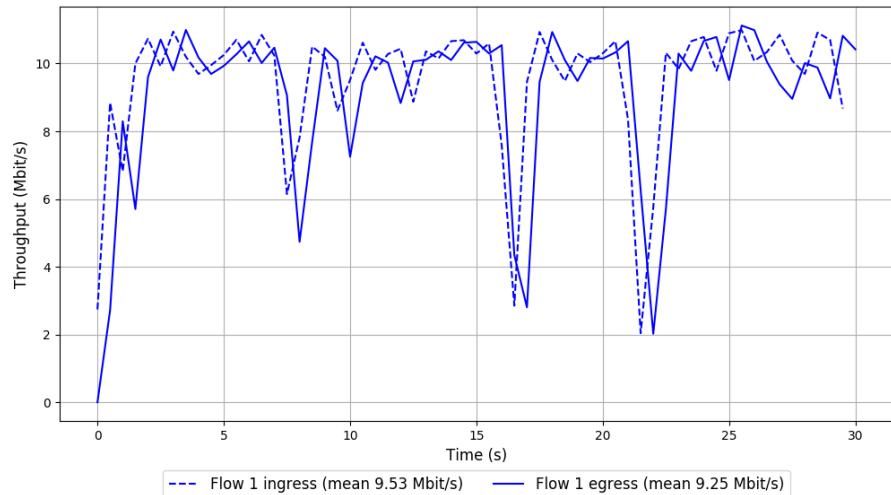


Run 4: Statistics of Sprout

```
Start at: 2019-02-05 03:47:11
End at: 2019-02-05 03:47:41
Local clock offset: -3.647 ms
Remote clock offset: -3.078 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.25 Mbit/s
95th percentile per-packet one-way delay: 16.426 ms
Loss rate: 2.87%
-- Flow 1:
Average throughput: 9.25 Mbit/s
95th percentile per-packet one-way delay: 16.426 ms
Loss rate: 2.87%
```

Run 4: Report of Sprout — Data Link

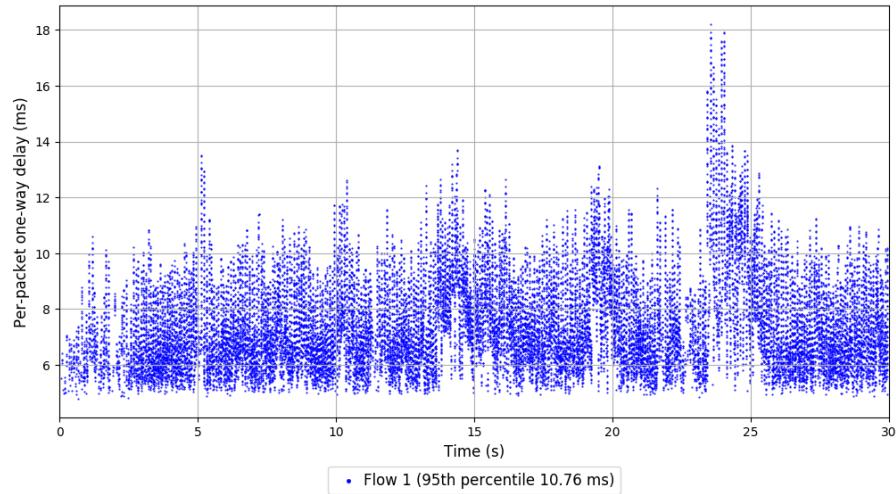
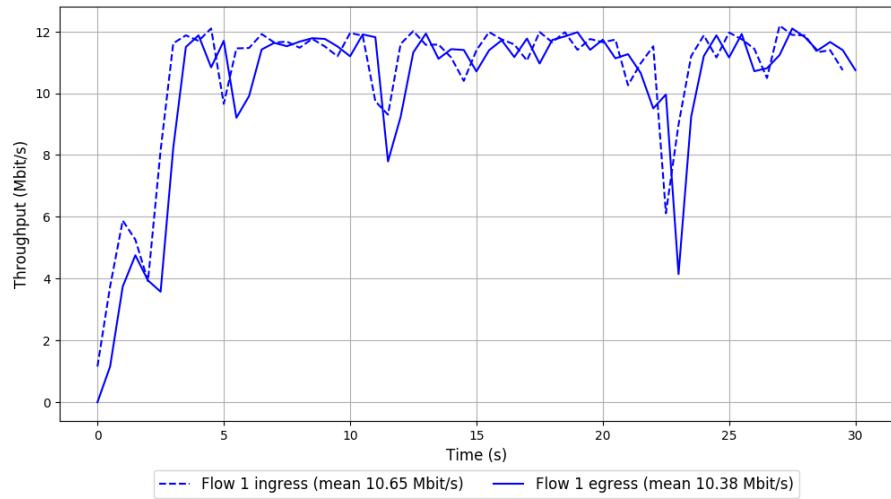


Run 5: Statistics of Sprout

```
Start at: 2019-02-05 04:12:20
End at: 2019-02-05 04:12:50
Local clock offset: -1.602 ms
Remote clock offset: -5.742 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.38 Mbit/s
95th percentile per-packet one-way delay: 10.763 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 10.38 Mbit/s
95th percentile per-packet one-way delay: 10.763 ms
Loss rate: 2.54%
```

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

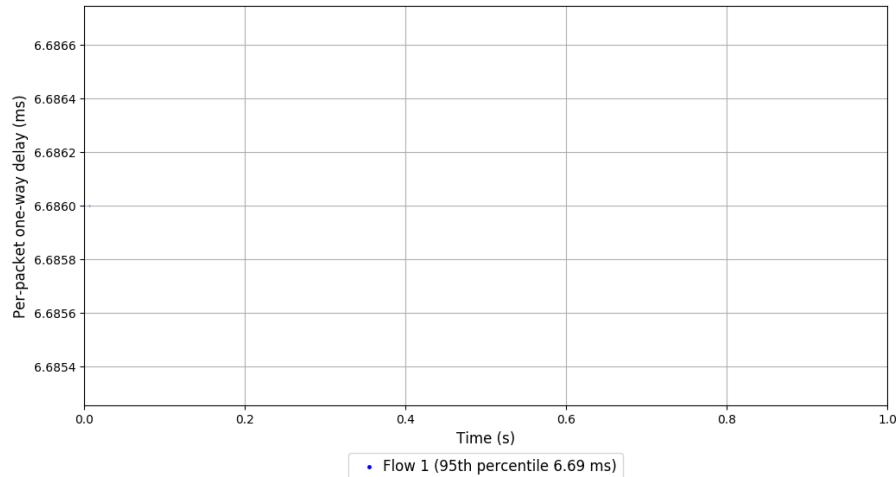
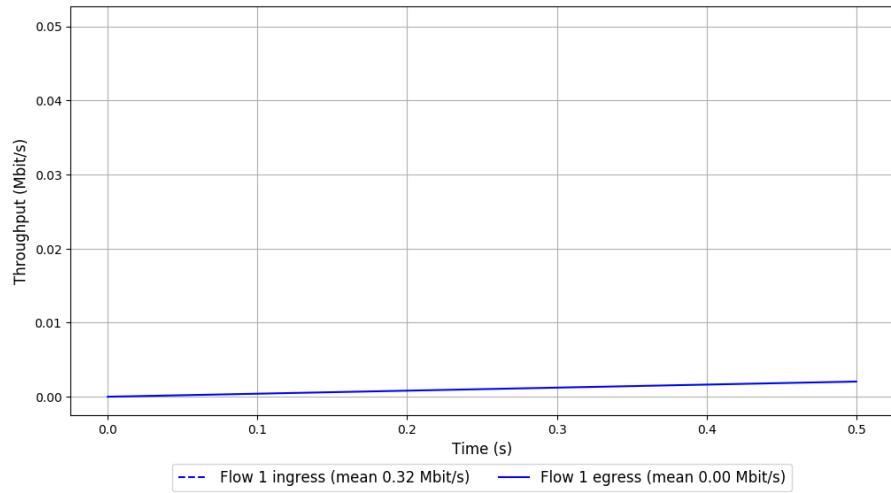
Start at: 2019-02-05 02:43:31

End at: 2019-02-05 02:44:01

Local clock offset: -3.943 ms

Remote clock offset: -5.532 ms

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



Run 2: Statistics of TaoVA-100x

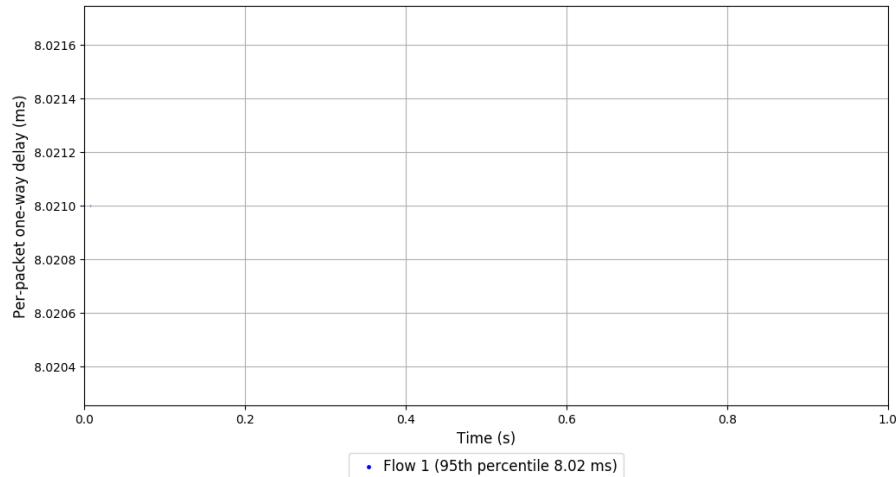
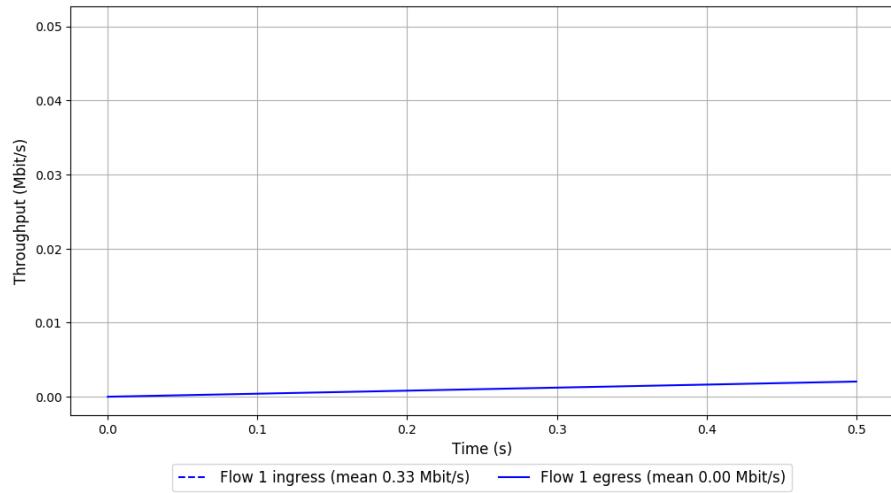
Start at: 2019-02-05 03:09:22

End at: 2019-02-05 03:09:52

Local clock offset: -3.785 ms

Remote clock offset: -4.504 ms

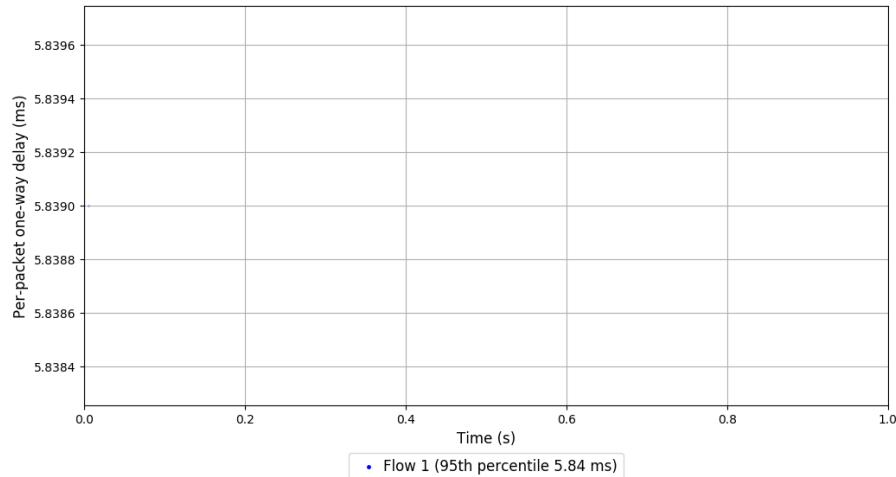
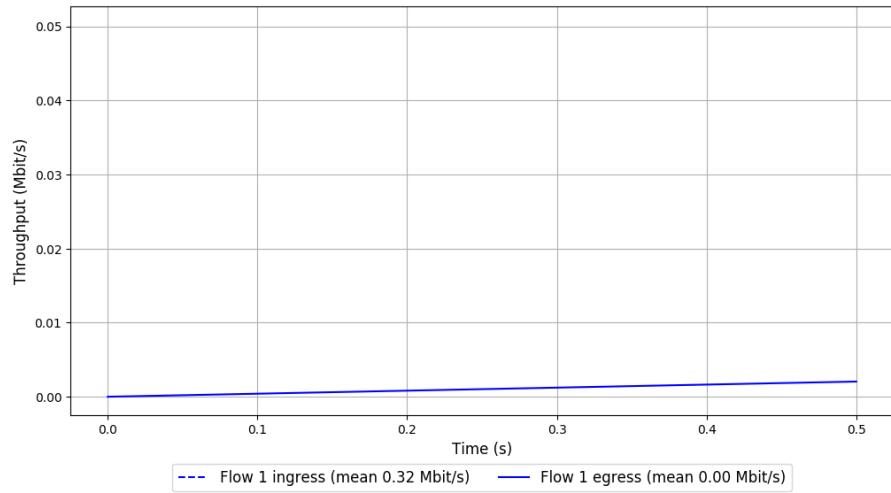
Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: 2019-02-05 03:34:40
End at: 2019-02-05 03:35:10
Local clock offset: -0.85 ms
Remote clock offset: -4.304 ms

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



Run 4: Statistics of TaoVA-100x

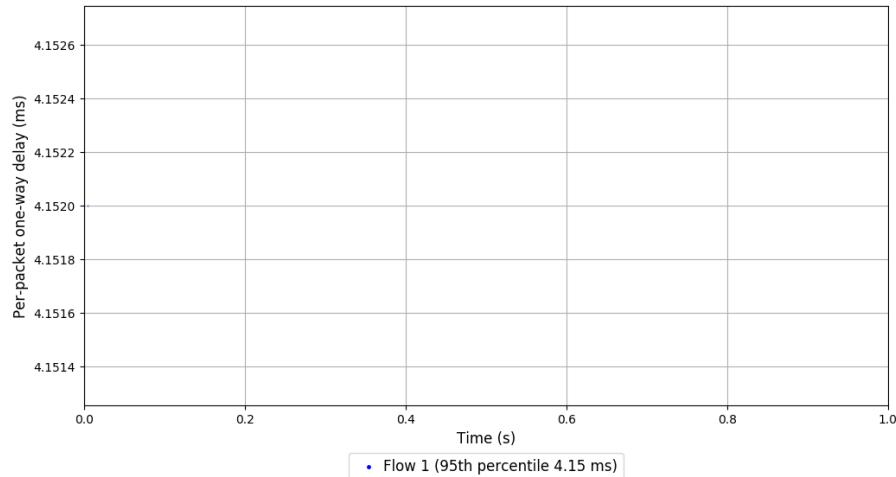
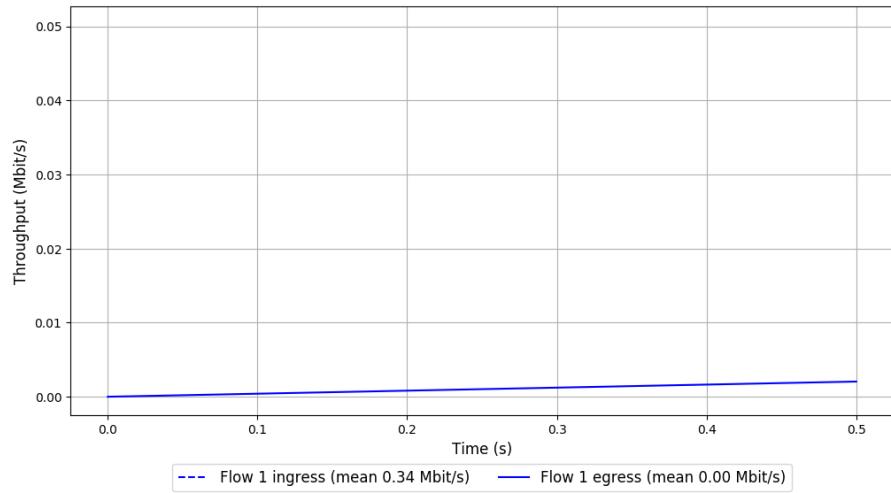
Start at: 2019-02-05 04:00:24

End at: 2019-02-05 04:00:54

Local clock offset: 0.456 ms

Remote clock offset: -6.219 ms

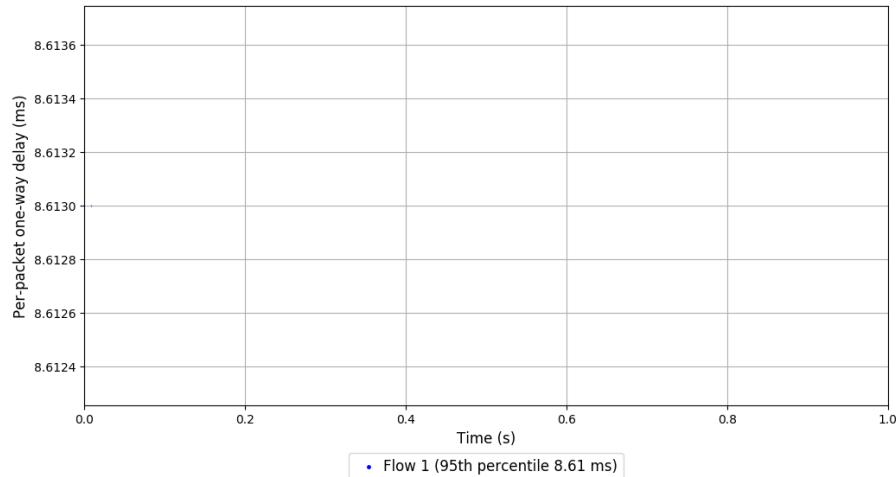
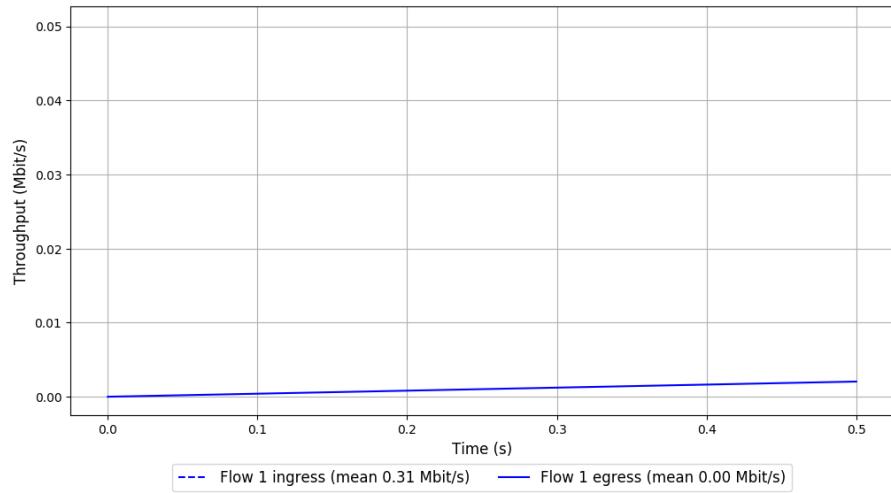
Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: 2019-02-05 04:25:21
End at: 2019-02-05 04:25:51
Local clock offset: -0.909 ms
Remote clock offset: -2.699 ms

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

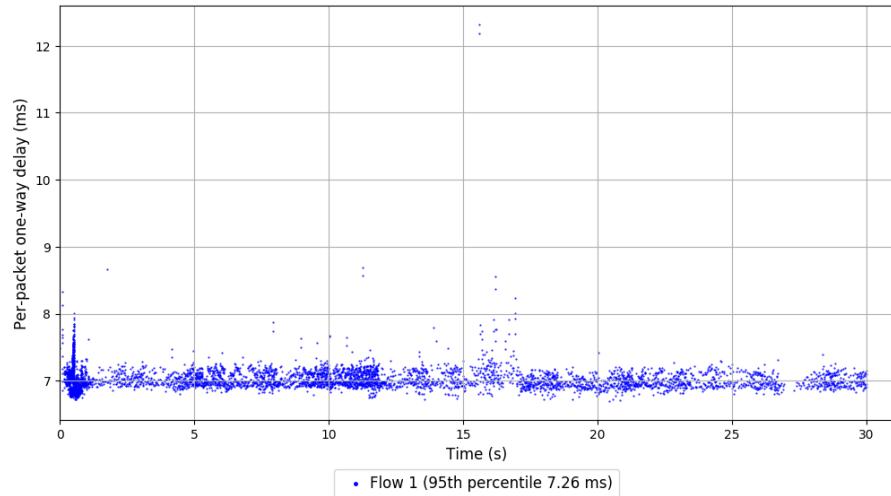
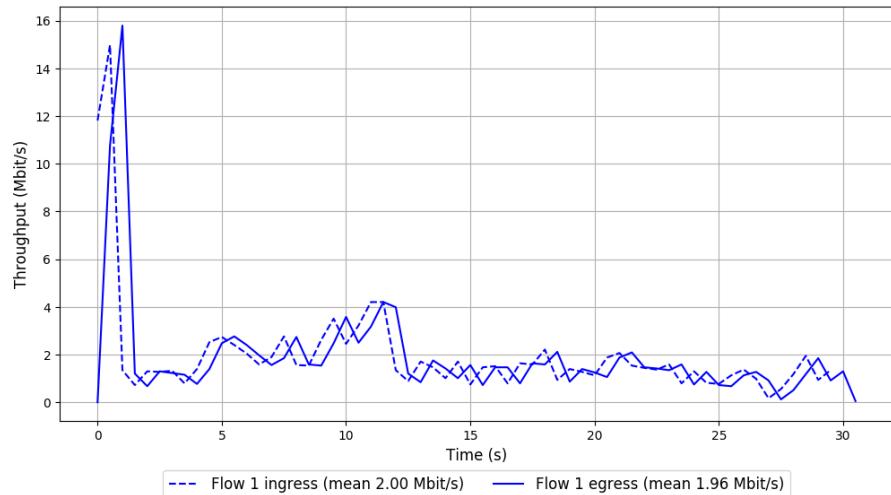


Run 1: Statistics of TCP Vegas

```
Start at: 2019-02-05 02:41:05
End at: 2019-02-05 02:41:35
Local clock offset: -4.842 ms
Remote clock offset: -5.654 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 7.260 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 7.260 ms
Loss rate: 2.12%
```

Run 1: Report of TCP Vegas — Data Link

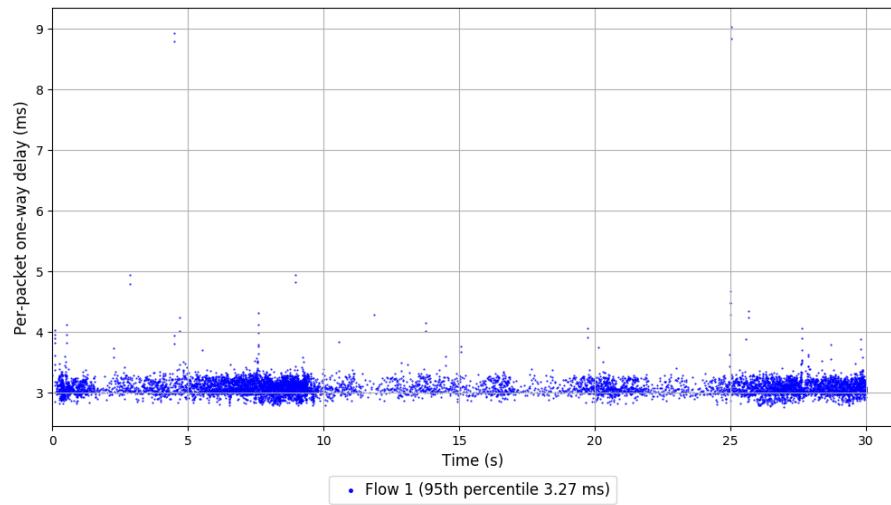
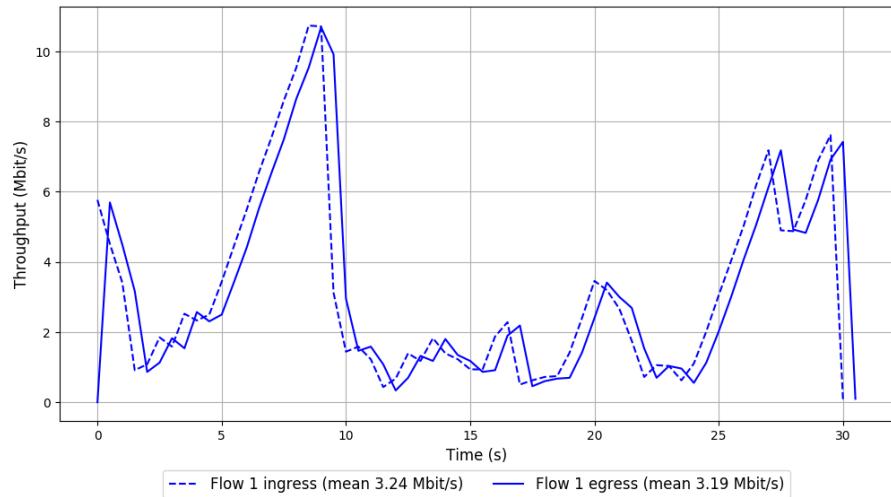


Run 2: Statistics of TCP Vegas

```
Start at: 2019-02-05 03:06:52
End at: 2019-02-05 03:07:22
Local clock offset: -2.026 ms
Remote clock offset: -7.812 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 3.270 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 3.19 Mbit/s
95th percentile per-packet one-way delay: 3.270 ms
Loss rate: 1.53%
```

Run 2: Report of TCP Vegas — Data Link

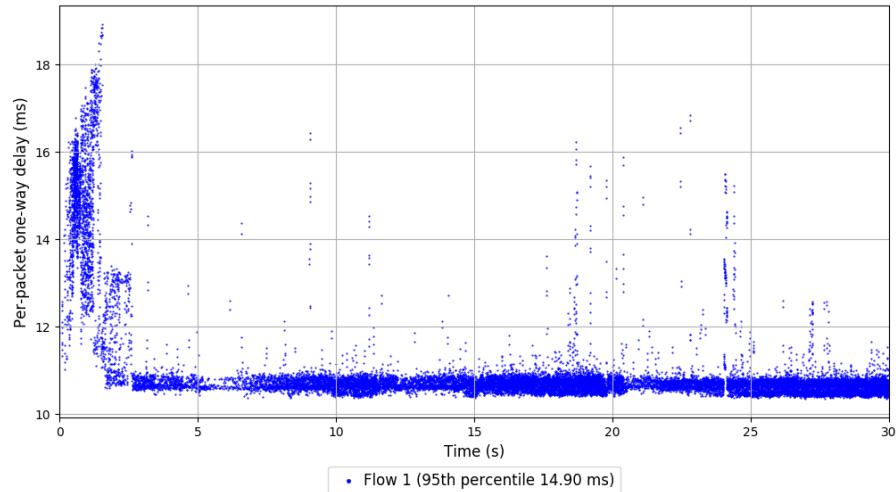
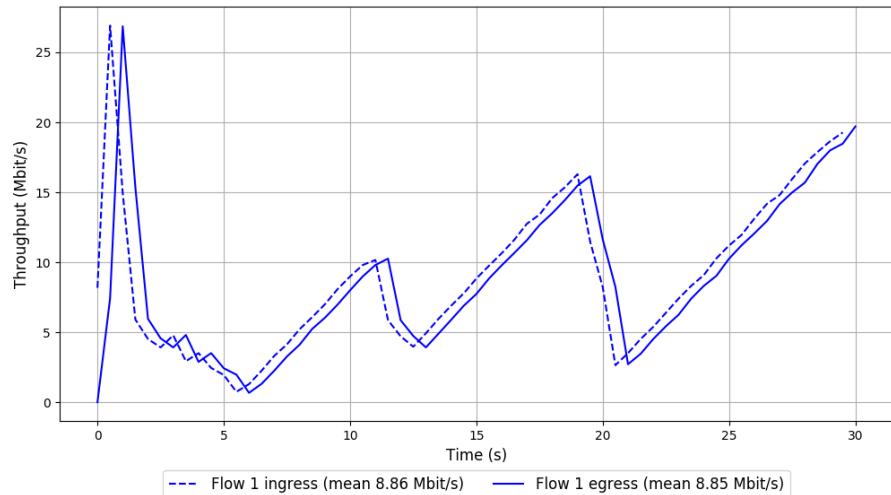


Run 3: Statistics of TCP Vegas

```
Start at: 2019-02-05 03:32:13
End at: 2019-02-05 03:32:43
Local clock offset: -3.495 ms
Remote clock offset: -2.176 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.85 Mbit/s
95th percentile per-packet one-way delay: 14.900 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 8.85 Mbit/s
95th percentile per-packet one-way delay: 14.900 ms
Loss rate: 0.10%
```

Run 3: Report of TCP Vegas — Data Link

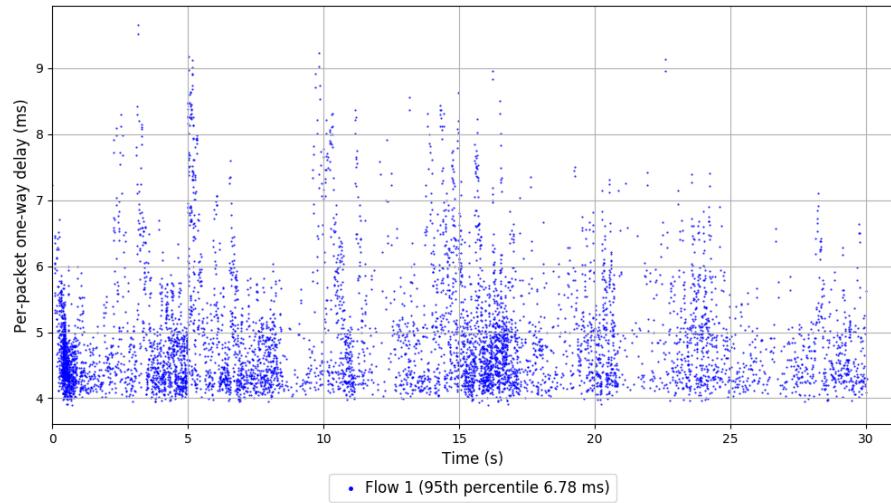
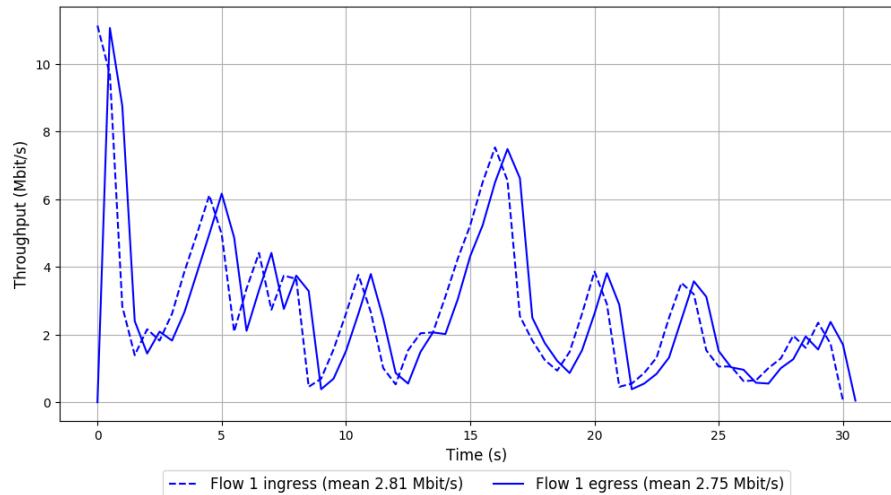


Run 4: Statistics of TCP Vegas

```
Start at: 2019-02-05 03:57:55
End at: 2019-02-05 03:58:25
Local clock offset: -1.088 ms
Remote clock offset: -5.805 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.75 Mbit/s
95th percentile per-packet one-way delay: 6.782 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 2.75 Mbit/s
95th percentile per-packet one-way delay: 6.782 ms
Loss rate: 1.85%
```

Run 4: Report of TCP Vegas — Data Link

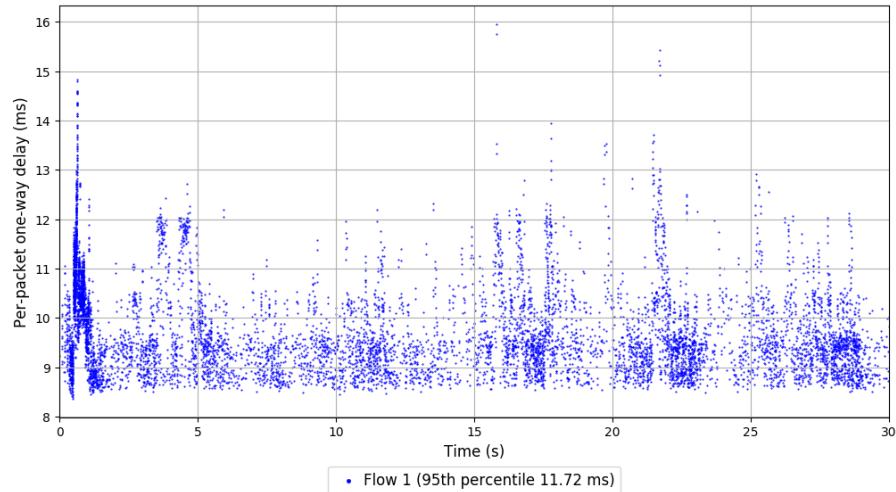
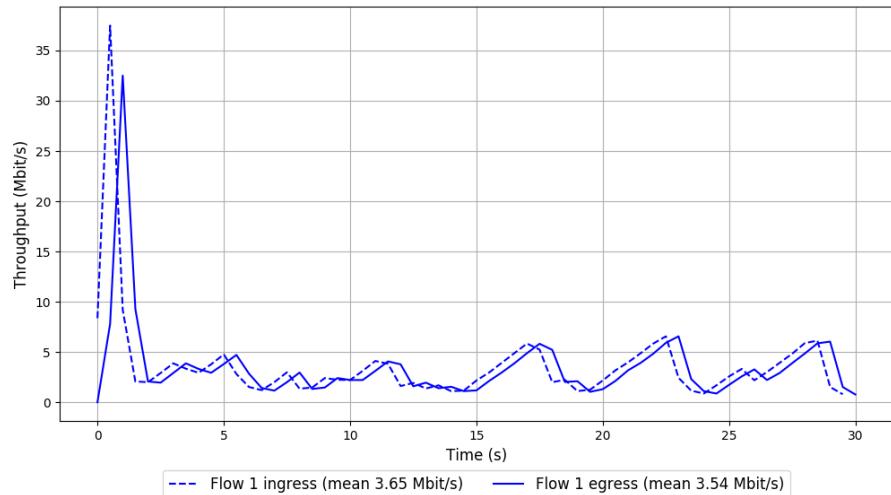


Run 5: Statistics of TCP Vegas

```
Start at: 2019-02-05 04:22:48
End at: 2019-02-05 04:23:18
Local clock offset: -0.575 ms
Remote clock offset: -1.607 ms

# Below is generated by plot.py at 2019-02-05 04:37:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 11.716 ms
Loss rate: 3.06%
-- Flow 1:
Average throughput: 3.54 Mbit/s
95th percentile per-packet one-way delay: 11.716 ms
Loss rate: 3.06%
```

Run 5: Report of TCP Vegas — Data Link

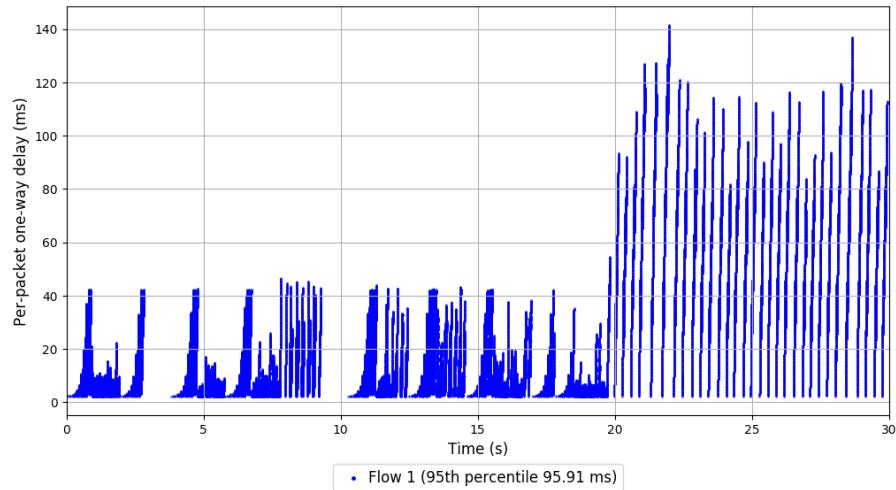
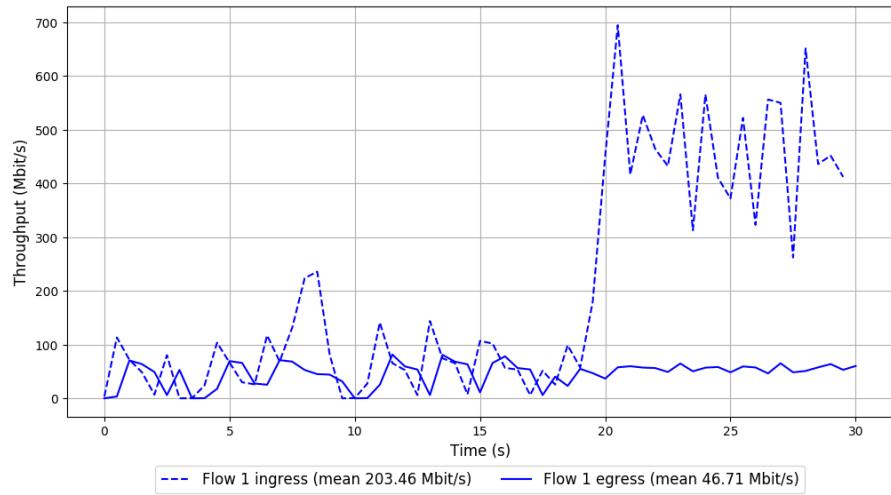


Run 1: Statistics of Verus

```
Start at: 2019-02-05 02:23:40
End at: 2019-02-05 02:24:10
Local clock offset: -1.397 ms
Remote clock offset: -6.267 ms

# Below is generated by plot.py at 2019-02-05 04:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.71 Mbit/s
95th percentile per-packet one-way delay: 95.909 ms
Loss rate: 76.96%
-- Flow 1:
Average throughput: 46.71 Mbit/s
95th percentile per-packet one-way delay: 95.909 ms
Loss rate: 76.96%
```

Run 1: Report of Verus — Data Link

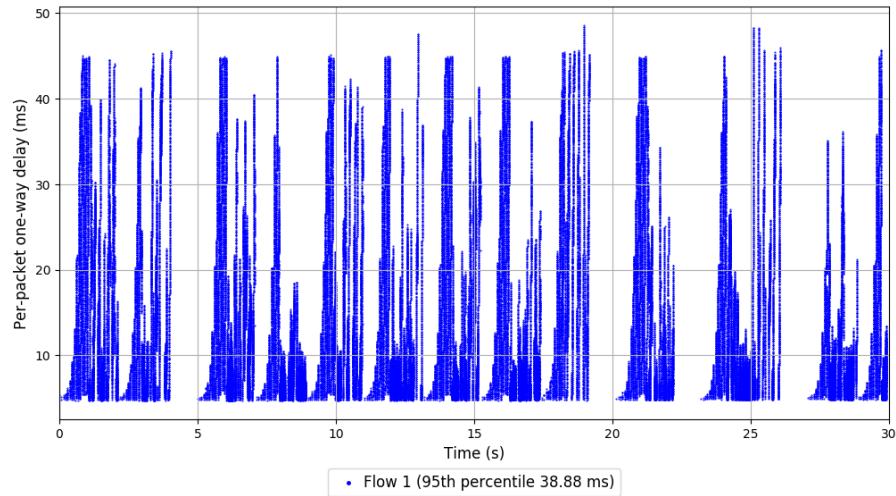
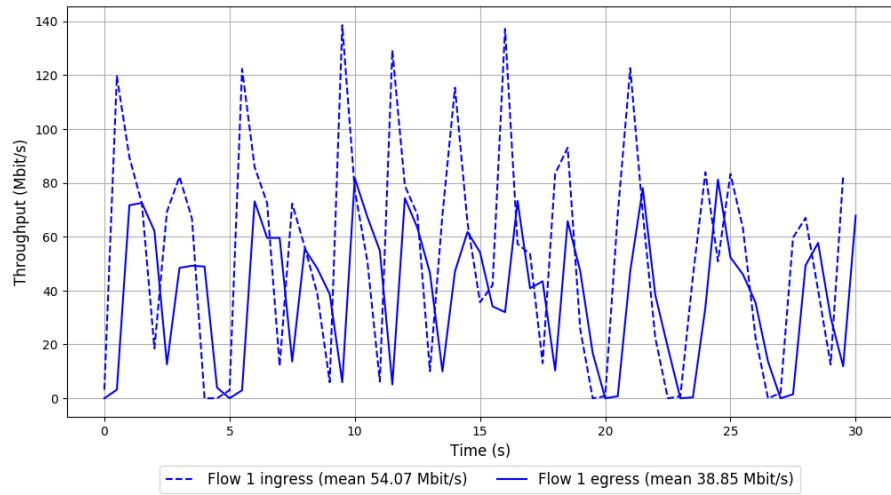


Run 2: Statistics of Verus

```
Start at: 2019-02-05 02:49:26
End at: 2019-02-05 02:49:56
Local clock offset: -1.218 ms
Remote clock offset: -4.473 ms

# Below is generated by plot.py at 2019-02-05 04:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.85 Mbit/s
95th percentile per-packet one-way delay: 38.879 ms
Loss rate: 28.15%
-- Flow 1:
Average throughput: 38.85 Mbit/s
95th percentile per-packet one-way delay: 38.879 ms
Loss rate: 28.15%
```

Run 2: Report of Verus — Data Link

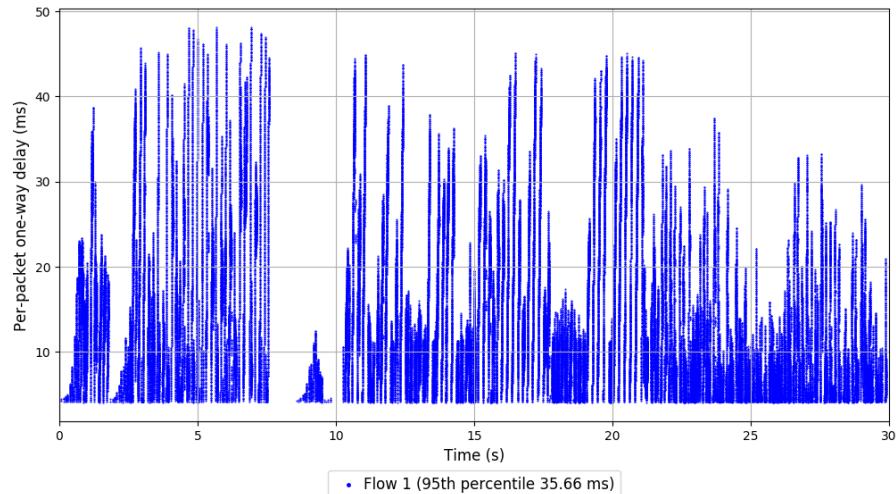
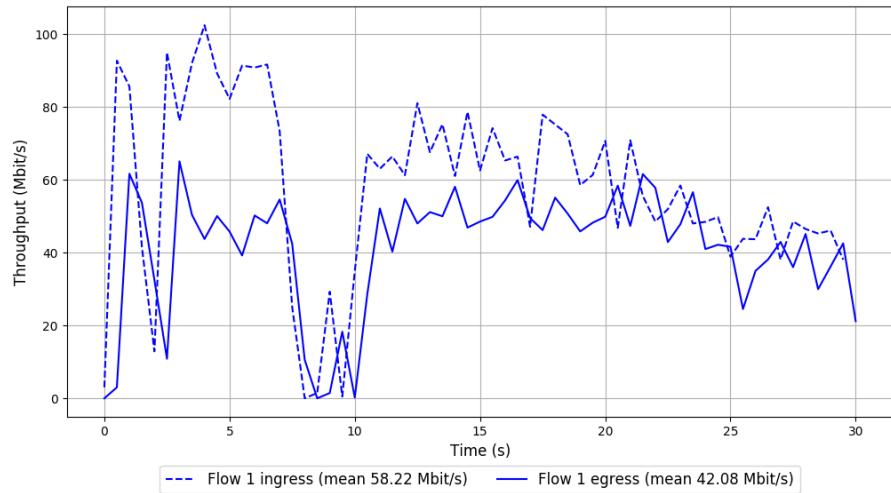


Run 3: Statistics of Verus

```
Start at: 2019-02-05 03:15:30
End at: 2019-02-05 03:16:00
Local clock offset: -2.517 ms
Remote clock offset: -5.619 ms

# Below is generated by plot.py at 2019-02-05 04:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.08 Mbit/s
95th percentile per-packet one-way delay: 35.655 ms
Loss rate: 27.72%
-- Flow 1:
Average throughput: 42.08 Mbit/s
95th percentile per-packet one-way delay: 35.655 ms
Loss rate: 27.72%
```

Run 3: Report of Verus — Data Link

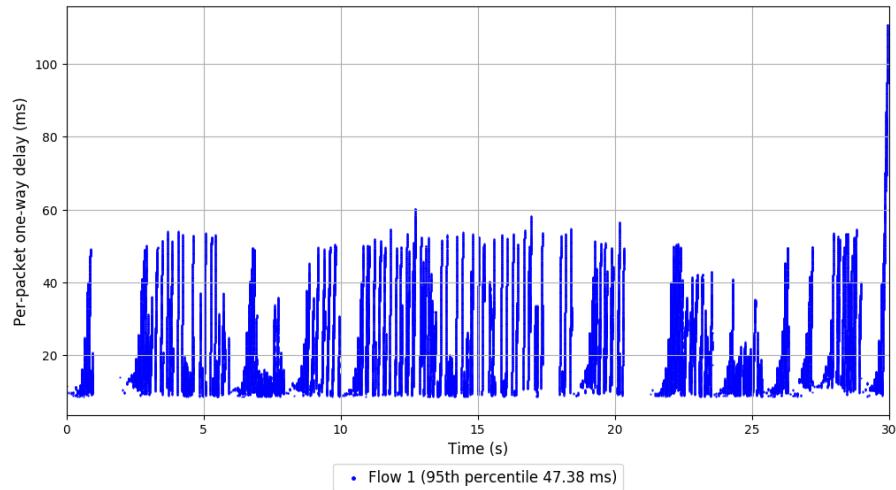
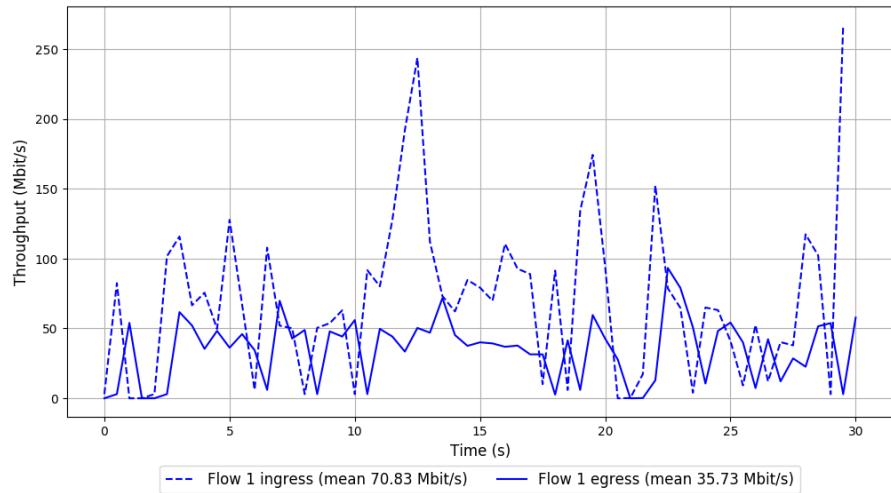


Run 4: Statistics of Verus

```
Start at: 2019-02-05 03:40:36
End at: 2019-02-05 03:41:06
Local clock offset: -3.031 ms
Remote clock offset: -2.396 ms

# Below is generated by plot.py at 2019-02-05 04:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.73 Mbit/s
95th percentile per-packet one-way delay: 47.379 ms
Loss rate: 49.38%
-- Flow 1:
Average throughput: 35.73 Mbit/s
95th percentile per-packet one-way delay: 47.379 ms
Loss rate: 49.38%
```

Run 4: Report of Verus — Data Link

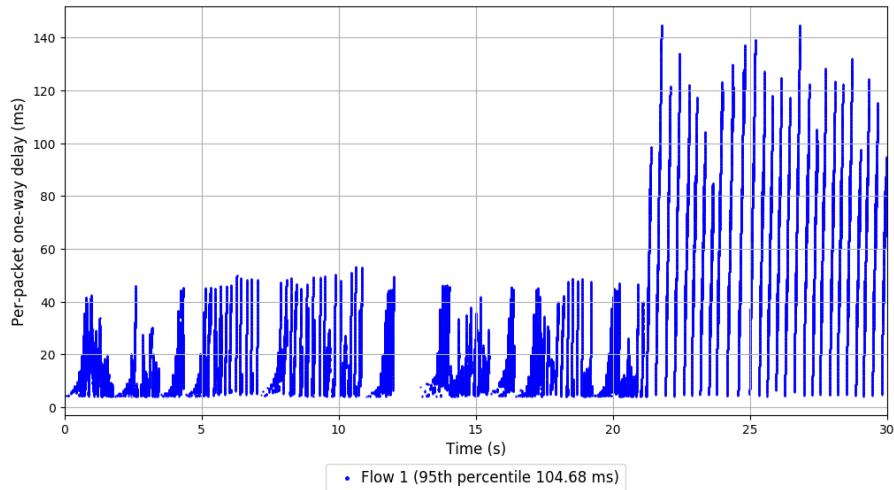
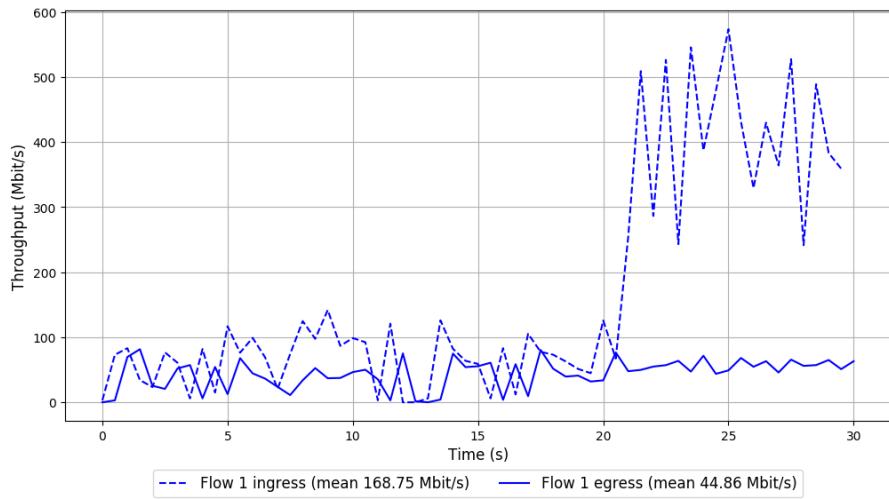


Run 5: Statistics of Verus

```
Start at: 2019-02-05 04:06:21
End at: 2019-02-05 04:06:51
Local clock offset: -1.304 ms
Remote clock offset: -6.116 ms

# Below is generated by plot.py at 2019-02-05 04:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.86 Mbit/s
95th percentile per-packet one-way delay: 104.681 ms
Loss rate: 73.34%
-- Flow 1:
Average throughput: 44.86 Mbit/s
95th percentile per-packet one-way delay: 104.681 ms
Loss rate: 73.34%
```

Run 5: Report of Verus — Data Link

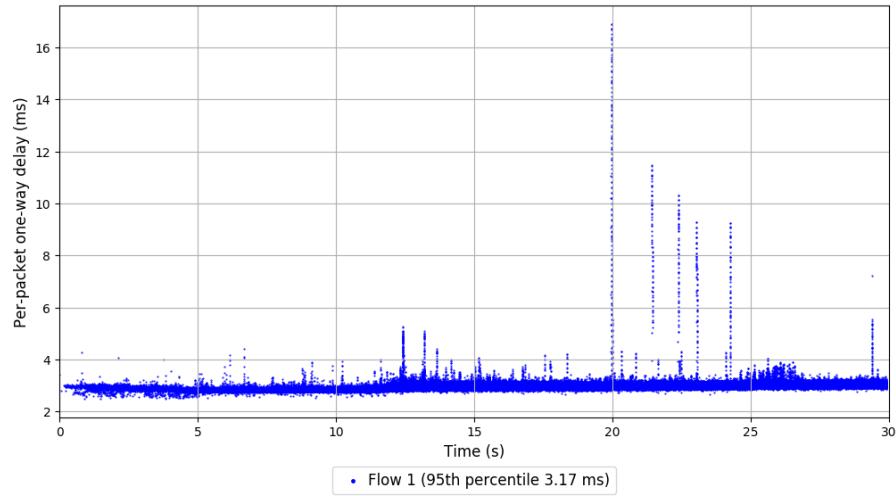
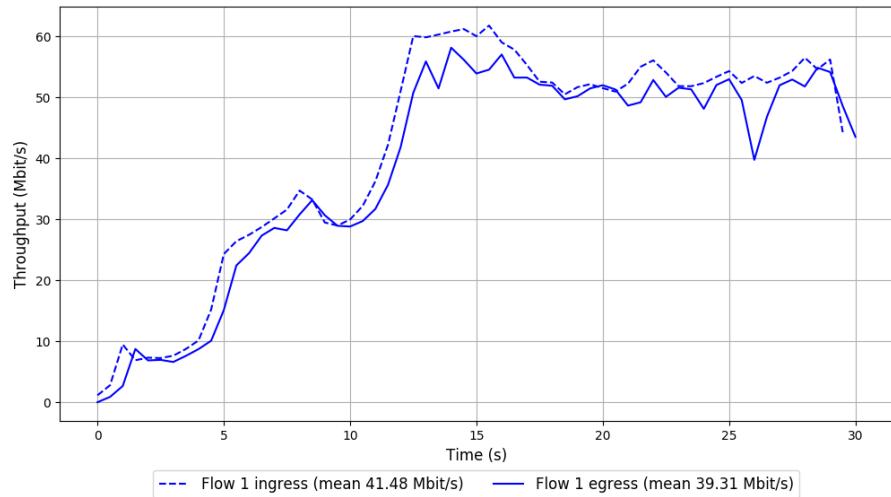


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-02-05 02:45:43
End at: 2019-02-05 02:46:13
Local clock offset: -1.153 ms
Remote clock offset: -4.477 ms

# Below is generated by plot.py at 2019-02-05 04:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.31 Mbit/s
95th percentile per-packet one-way delay: 3.167 ms
Loss rate: 5.22%
-- Flow 1:
Average throughput: 39.31 Mbit/s
95th percentile per-packet one-way delay: 3.167 ms
Loss rate: 5.22%
```

Run 1: Report of PCC-Vivace — Data Link

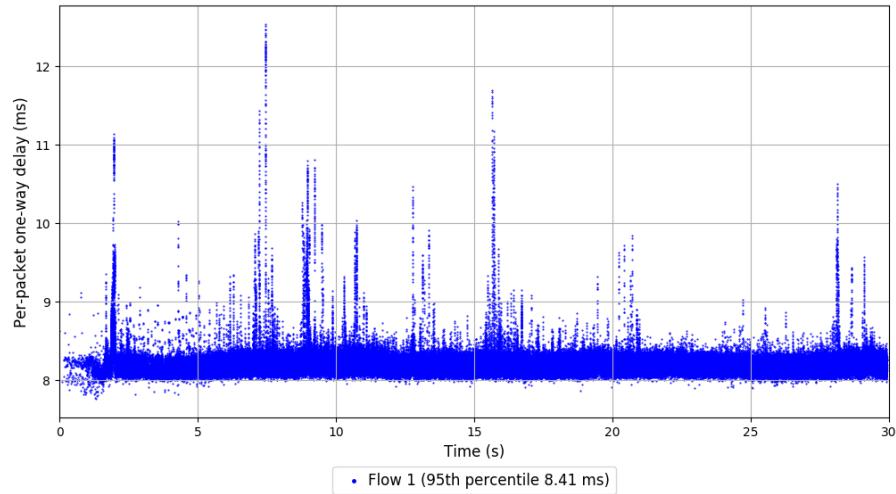
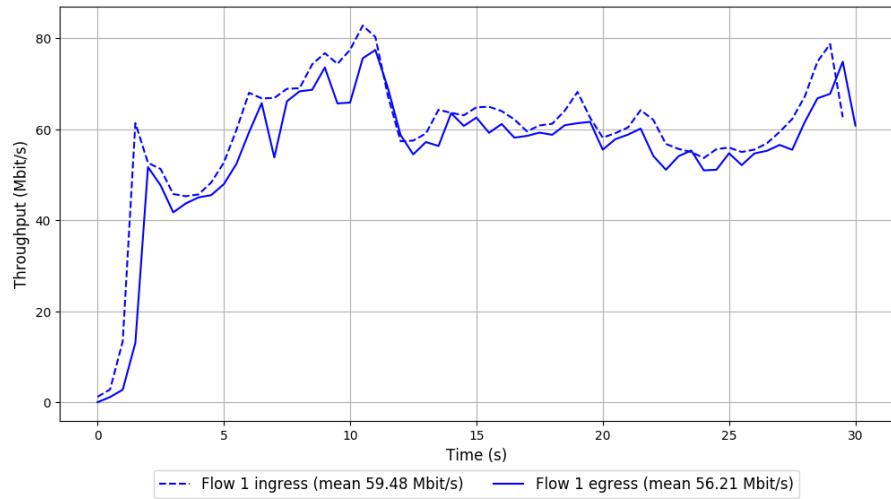


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-02-05 03:11:34
End at: 2019-02-05 03:12:04
Local clock offset: -3.324 ms
Remote clock offset: -3.783 ms

# Below is generated by plot.py at 2019-02-05 04:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.21 Mbit/s
95th percentile per-packet one-way delay: 8.412 ms
Loss rate: 5.49%
-- Flow 1:
Average throughput: 56.21 Mbit/s
95th percentile per-packet one-way delay: 8.412 ms
Loss rate: 5.49%
```

Run 2: Report of PCC-Vivace — Data Link

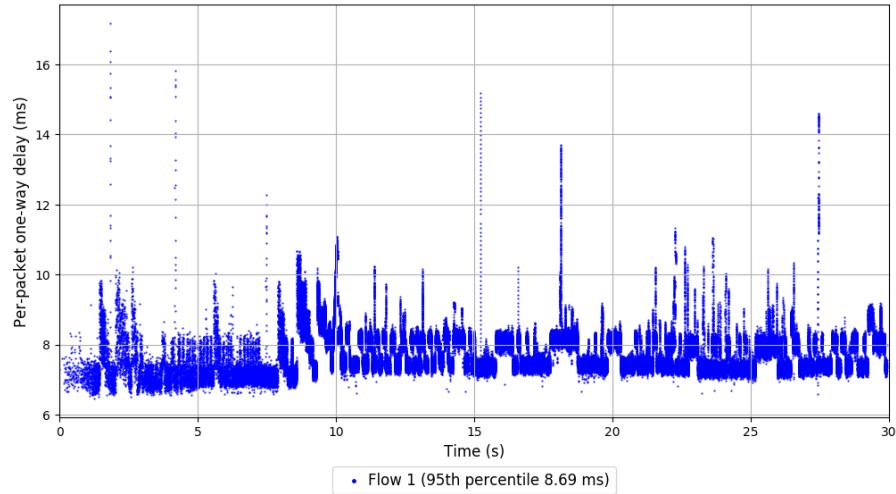
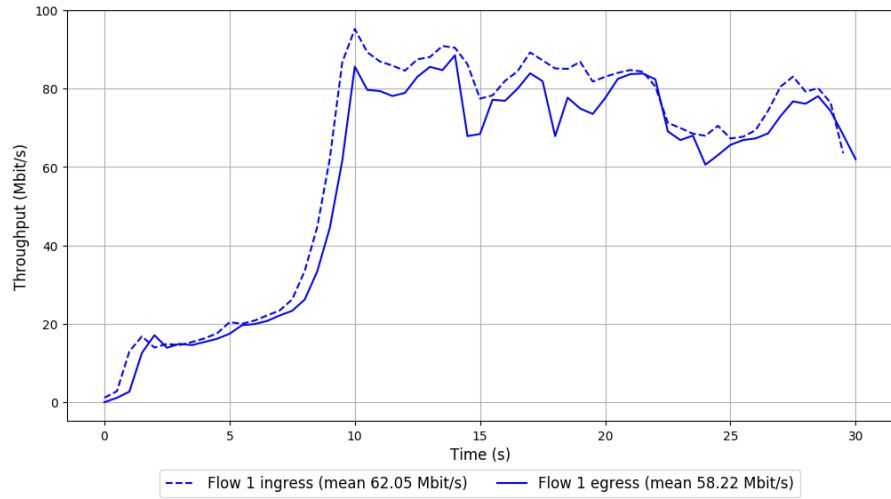


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-02-05 03:36:56
End at: 2019-02-05 03:37:26
Local clock offset: -0.593 ms
Remote clock offset: -2.008 ms

# Below is generated by plot.py at 2019-02-05 04:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.22 Mbit/s
95th percentile per-packet one-way delay: 8.694 ms
Loss rate: 6.18%
-- Flow 1:
Average throughput: 58.22 Mbit/s
95th percentile per-packet one-way delay: 8.694 ms
Loss rate: 6.18%
```

Run 3: Report of PCC-Vivace — Data Link

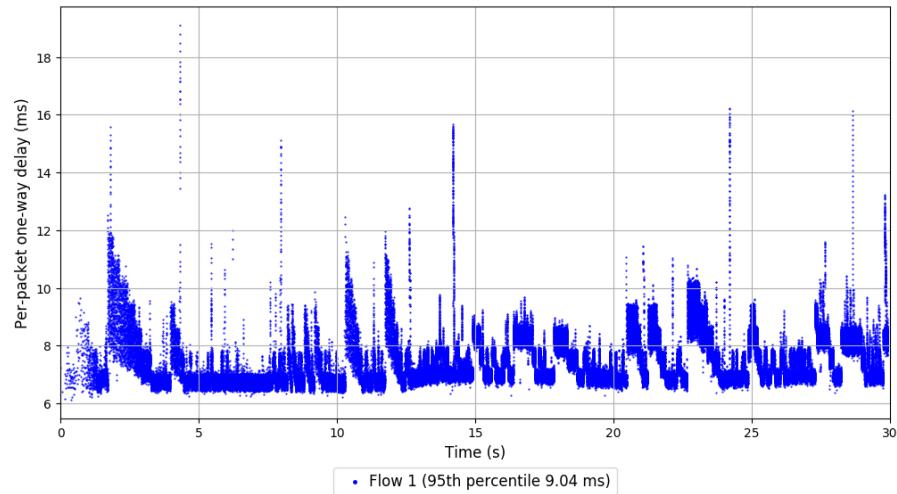
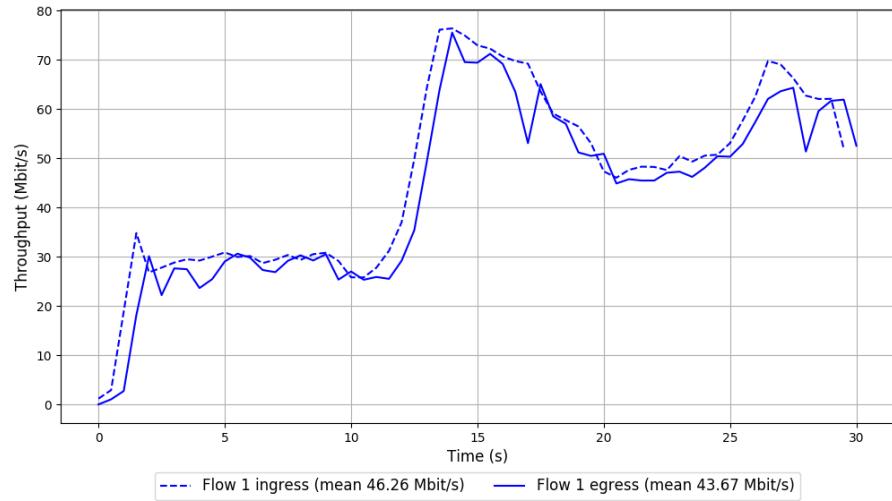


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-02-05 04:02:36
End at: 2019-02-05 04:03:06
Local clock offset: -2.567 ms
Remote clock offset: -5.093 ms

# Below is generated by plot.py at 2019-02-05 04:38:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.67 Mbit/s
95th percentile per-packet one-way delay: 9.043 ms
Loss rate: 5.61%
-- Flow 1:
Average throughput: 43.67 Mbit/s
95th percentile per-packet one-way delay: 9.043 ms
Loss rate: 5.61%
```

Run 4: Report of PCC-Vivace — Data Link

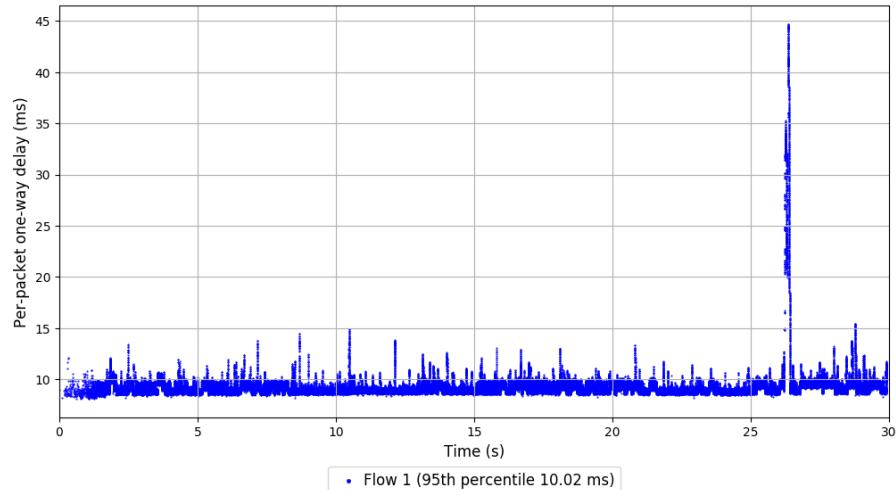
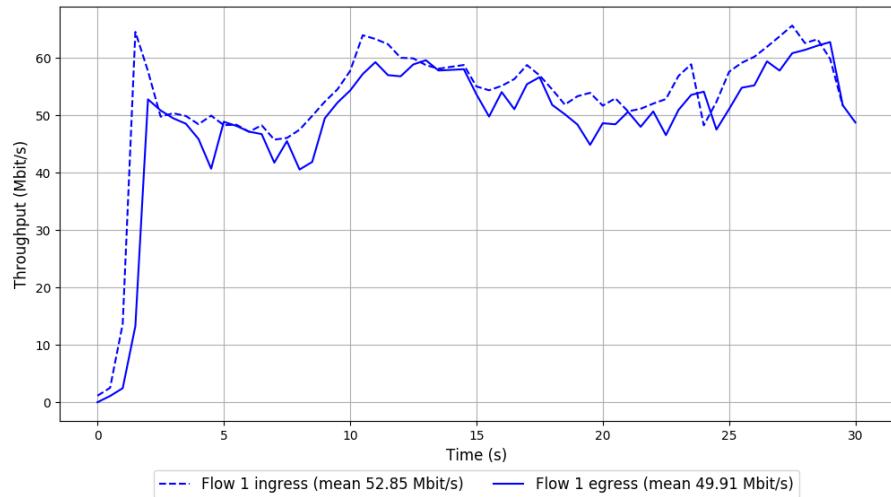


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-02-05 04:27:34
End at: 2019-02-05 04:28:04
Local clock offset: 0.852 ms
Remote clock offset: -1.886 ms

# Below is generated by plot.py at 2019-02-05 04:38:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.91 Mbit/s
95th percentile per-packet one-way delay: 10.017 ms
Loss rate: 5.57%
-- Flow 1:
Average throughput: 49.91 Mbit/s
95th percentile per-packet one-way delay: 10.017 ms
Loss rate: 5.57%
```

Run 5: Report of PCC-Vivace — Data Link

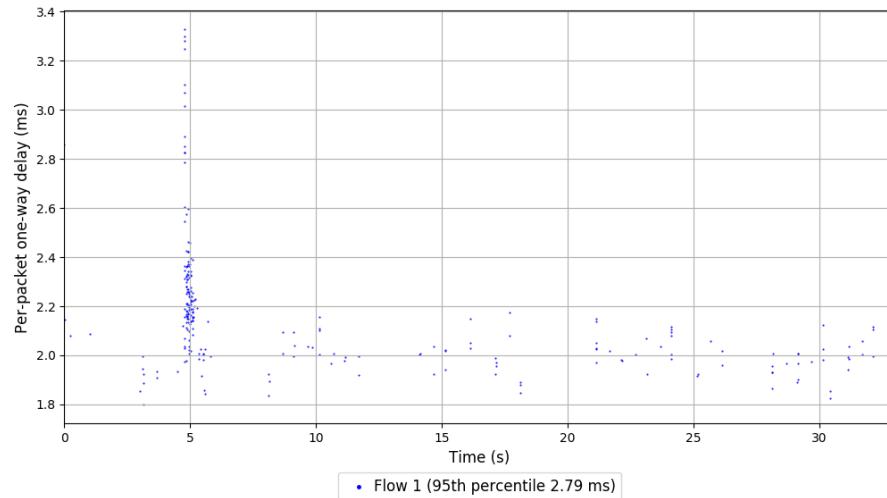
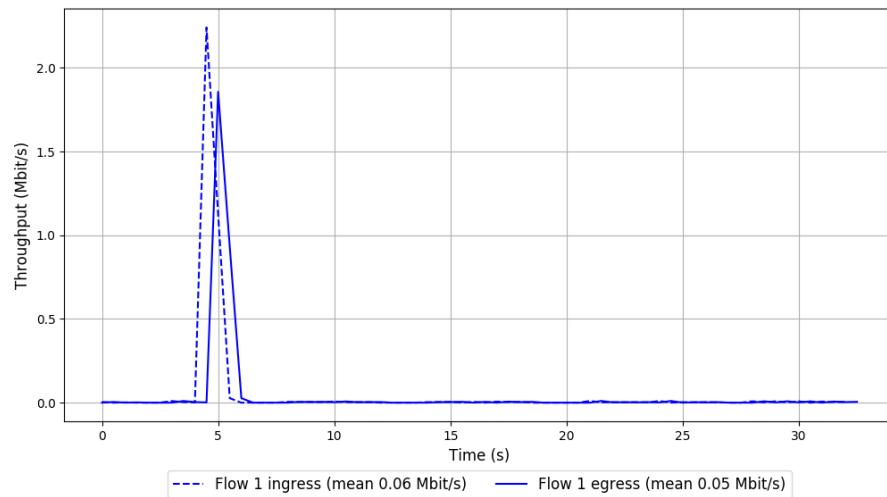


```
Run 1: Statistics of WebRTC media

Start at: 2019-02-05 02:39:58
End at: 2019-02-05 02:40:28
Local clock offset: -0.938 ms
Remote clock offset: -5.514 ms

# Below is generated by plot.py at 2019-02-05 04:38:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.785 ms
Loss rate: 16.24%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.785 ms
Loss rate: 16.24%
```

Run 1: Report of WebRTC media — Data Link

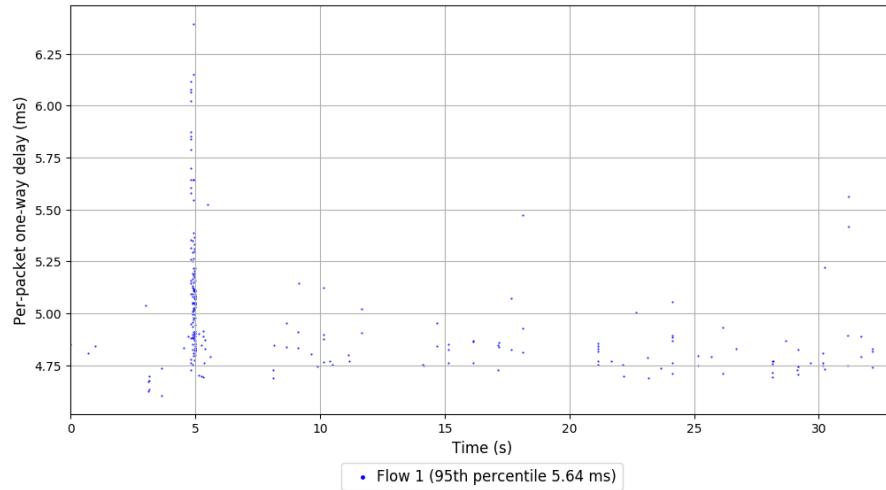
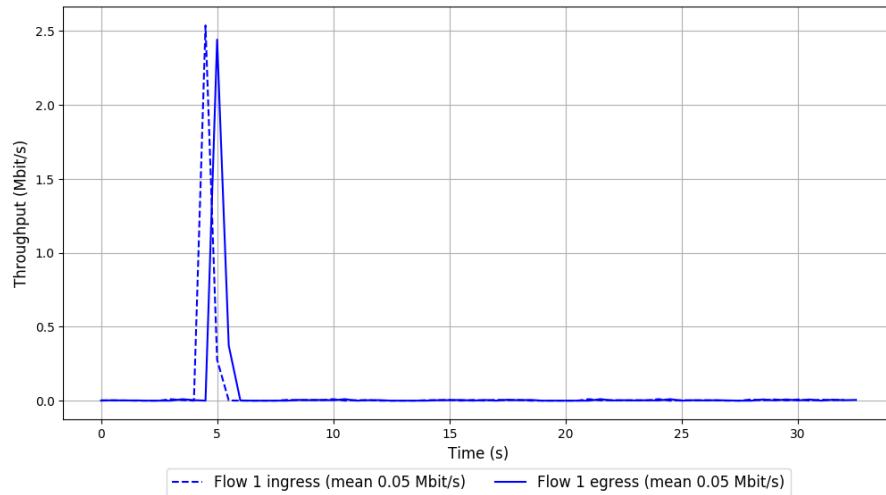


Run 2: Statistics of WebRTC media

```
Start at: 2019-02-05 03:05:46
End at: 2019-02-05 03:06:16
Local clock offset: -0.774 ms
Remote clock offset: -3.371 ms

# Below is generated by plot.py at 2019-02-05 04:38:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 5.642 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 5.642 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

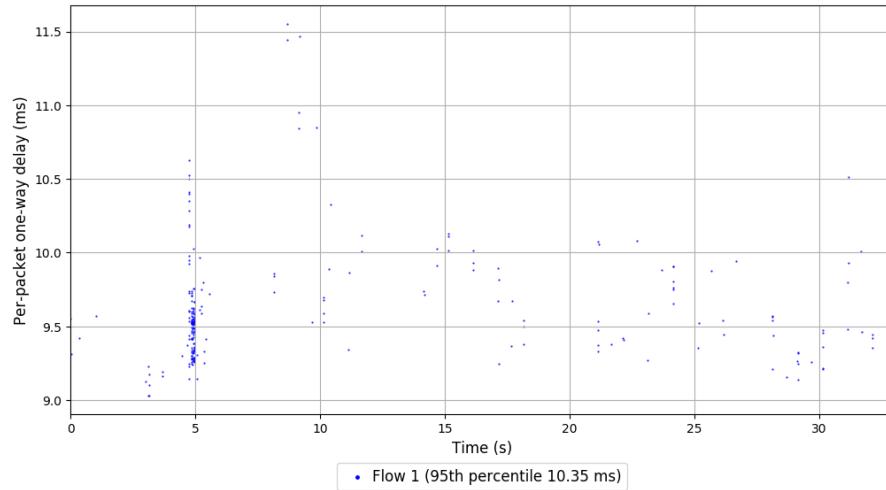
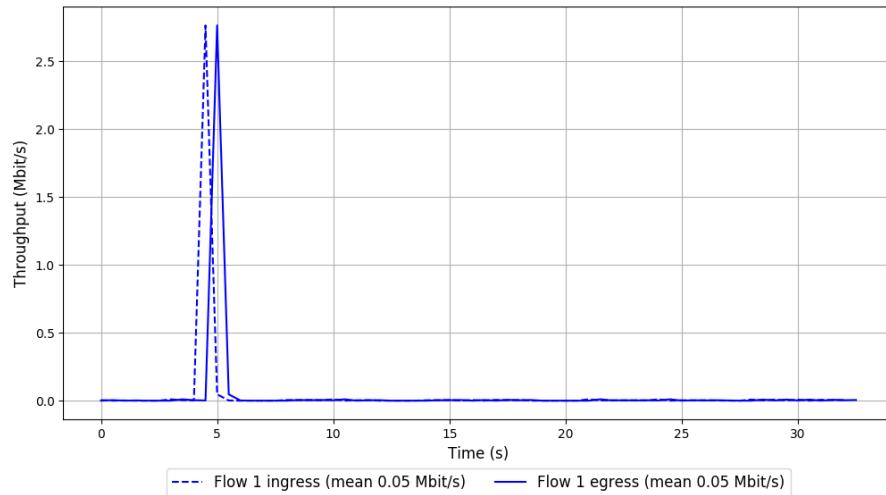


```
Run 3: Statistics of WebRTC media

Start at: 2019-02-05 03:31:08
End at: 2019-02-05 03:31:38
Local clock offset: -3.061 ms
Remote clock offset: -3.008 ms

# Below is generated by plot.py at 2019-02-05 04:38:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 10.348 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 10.348 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

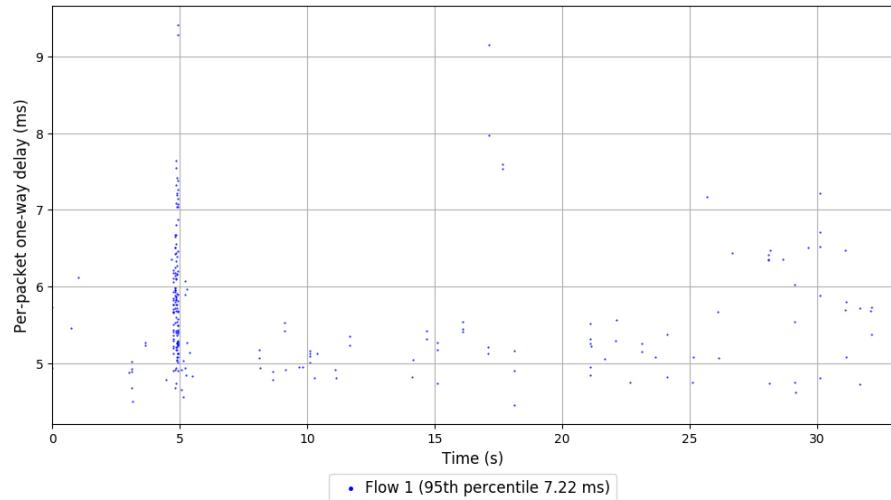
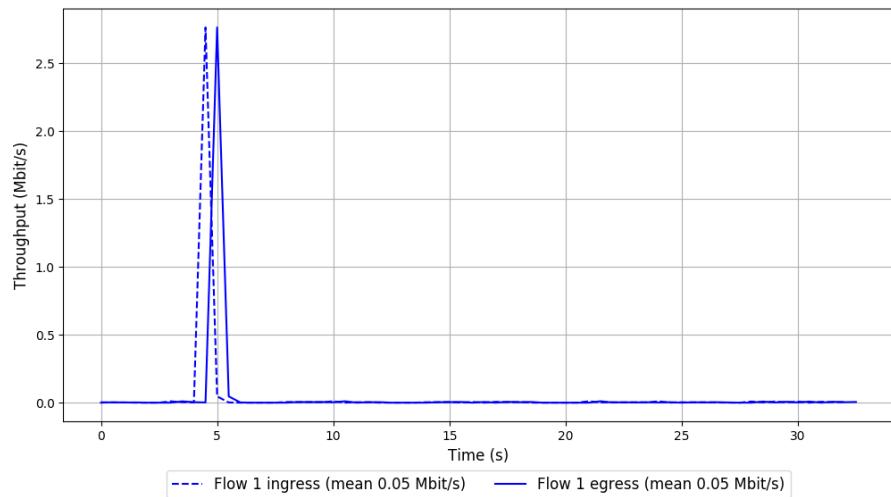


Run 4: Statistics of WebRTC media

```
Start at: 2019-02-05 03:56:48
End at: 2019-02-05 03:57:19
Local clock offset: -0.896 ms
Remote clock offset: -4.796 ms

# Below is generated by plot.py at 2019-02-05 04:38:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 7.219 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 7.219 ms
Loss rate: 0.29%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-02-05 04:21:42
End at: 2019-02-05 04:22:12
Local clock offset: -4.023 ms
Remote clock offset: -9.023 ms

# Below is generated by plot.py at 2019-02-05 04:38:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 7.504 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 7.504 ms
Loss rate: 0.10%
```

Run 5: Report of WebRTC media — Data Link

