

Pantheon Report

Generated at 2019-01-18 22:00:53 (UTC).
Data path: AWS California 1 on `ens5` (*local*) → Stanford on `eno1` (*remote*).
Repeated the test of 21 congestion control schemes 5 times.
Each test lasted for 30 seconds running 1 flow.
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

System info:

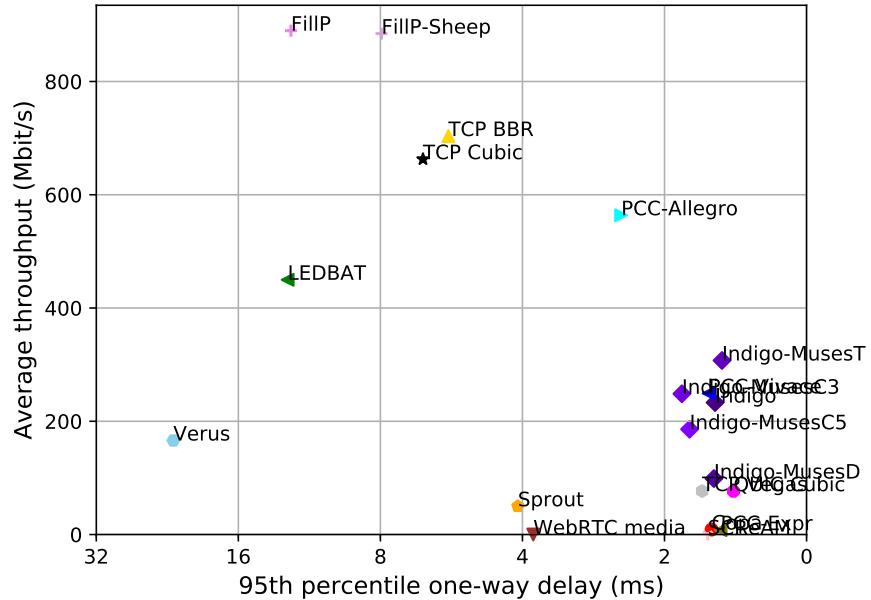
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

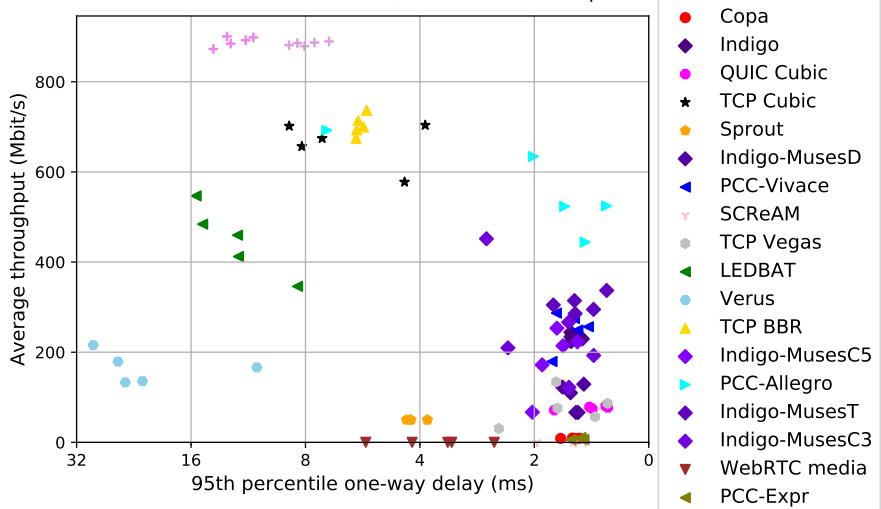
```
branch: muses @ c80a283586bf7b0cc1fe08c69c8f60d56498f81c
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ c3eee875824760ec5b2fd207fefe166e1afe2170
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

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



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



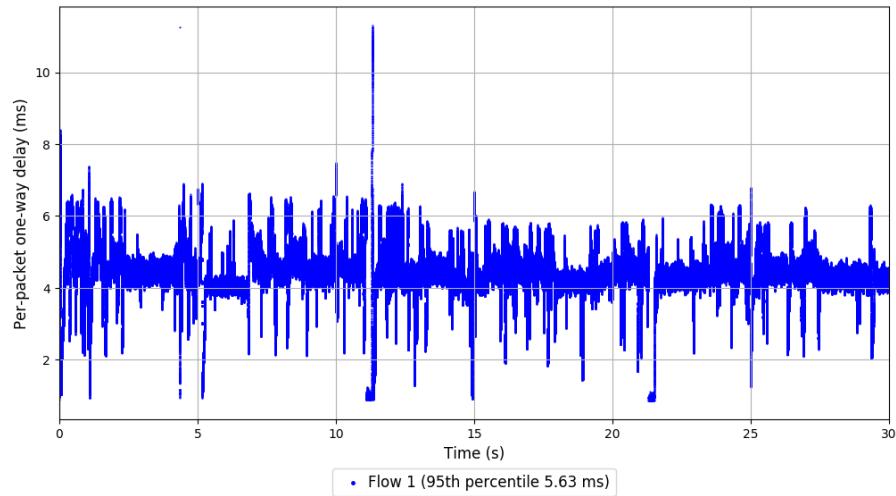
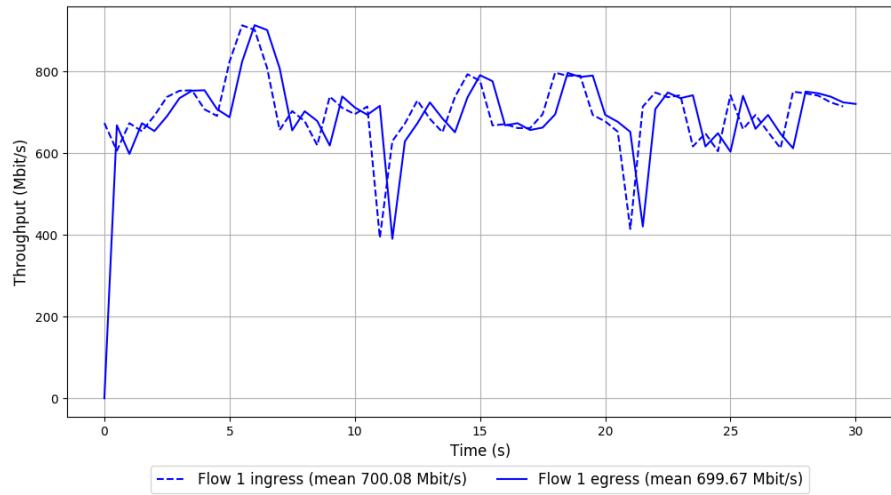
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	703.67	5.74	0.20
Copa	5	8.78	1.34	45.59
TCP Cubic	5	662.82	6.50	0.13
FillP	5	889.70	12.38	4.74
FillP-Sheep	5	884.53	7.96	3.72
Indigo	5	233.07	1.29	0.01
Indigo-MusesC3	5	248.57	1.76	0.07
Indigo-MusesC5	5	185.90	1.65	0.07
Indigo-MusesD	5	98.83	1.30	0.01
Indigo-MusesT	5	307.36	1.19	0.04
LEDBAT	5	449.80	12.58	0.10
PCC-Allegro	5	563.82	2.47	0.16
PCC-Expr	5	7.70	1.21	19.24
QUIC Cubic	5	76.52	1.03	0.00
SCReAM	5	0.22	1.39	0.00
Sprout	5	49.93	4.09	0.14
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	76.75	1.47	0.03
Verus	5	166.03	21.98	2.17
PCC-Vivace	5	249.38	1.38	0.04
WebRTC media	5	0.05	3.79	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-01-18 19:11:06
End at: 2019-01-18 19:11:36
Local clock offset: 4.122 ms
Remote clock offset: 1.596 ms

# Below is generated by plot.py at 2019-01-18 21:24:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 699.67 Mbit/s
95th percentile per-packet one-way delay: 5.629 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 699.67 Mbit/s
95th percentile per-packet one-way delay: 5.629 ms
Loss rate: 0.10%
```

Run 1: Report of TCP BBR — Data Link

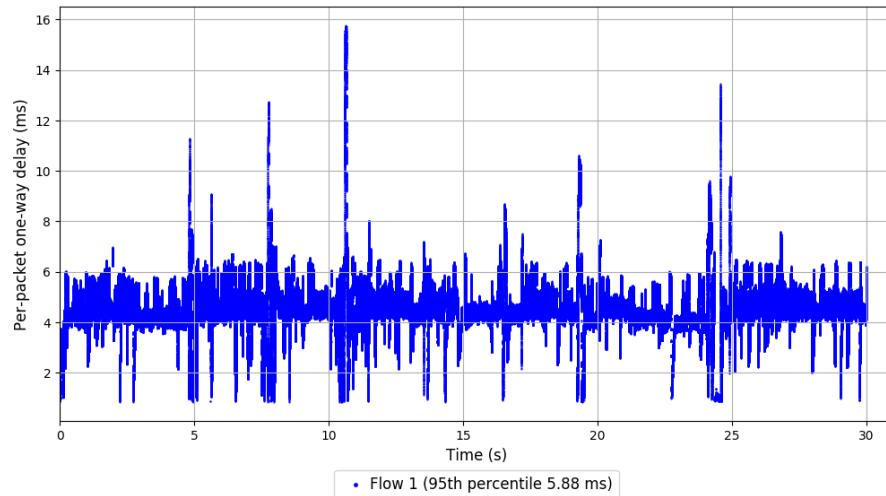
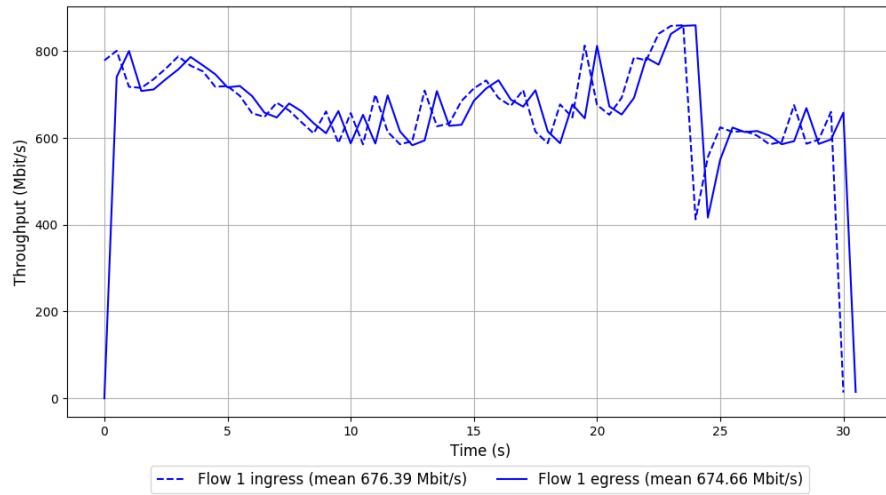


Run 2: Statistics of TCP BBR

```
Start at: 2019-01-18 19:39:47
End at: 2019-01-18 19:40:17
Local clock offset: 6.706 ms
Remote clock offset: 2.945 ms

# Below is generated by plot.py at 2019-01-18 21:24:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 674.66 Mbit/s
95th percentile per-packet one-way delay: 5.884 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 674.66 Mbit/s
95th percentile per-packet one-way delay: 5.884 ms
Loss rate: 0.26%
```

Run 2: Report of TCP BBR — Data Link

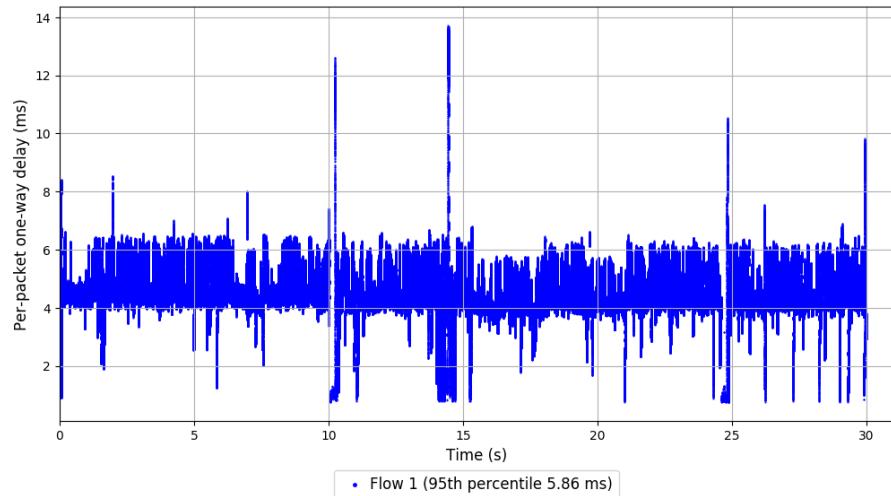
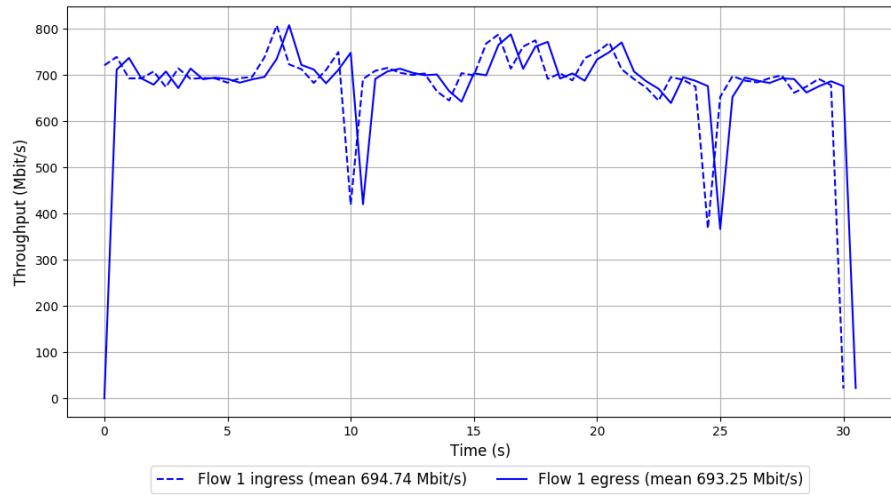


Run 3: Statistics of TCP BBR

```
Start at: 2019-01-18 20:08:14
End at: 2019-01-18 20:08:44
Local clock offset: 3.279 ms
Remote clock offset: 2.551 ms

# Below is generated by plot.py at 2019-01-18 21:24:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 693.25 Mbit/s
95th percentile per-packet one-way delay: 5.863 ms
Loss rate: 0.21%
-- Flow 1:
Average throughput: 693.25 Mbit/s
95th percentile per-packet one-way delay: 5.863 ms
Loss rate: 0.21%
```

Run 3: Report of TCP BBR — Data Link

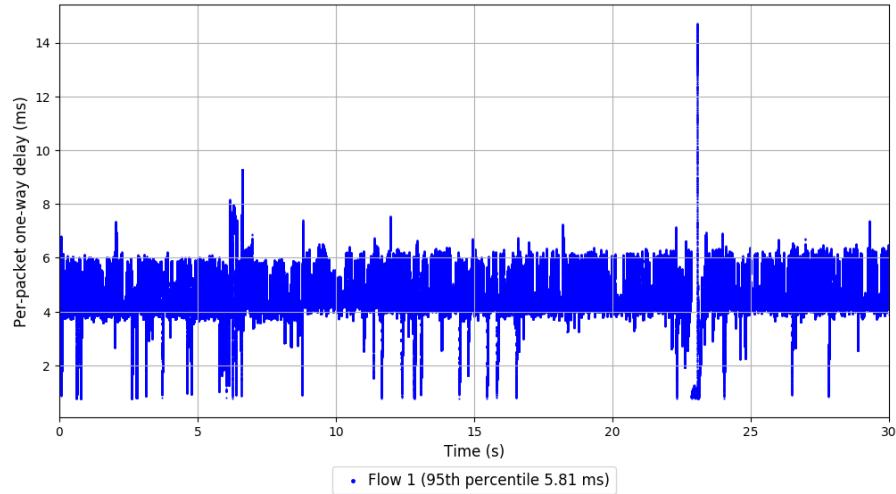
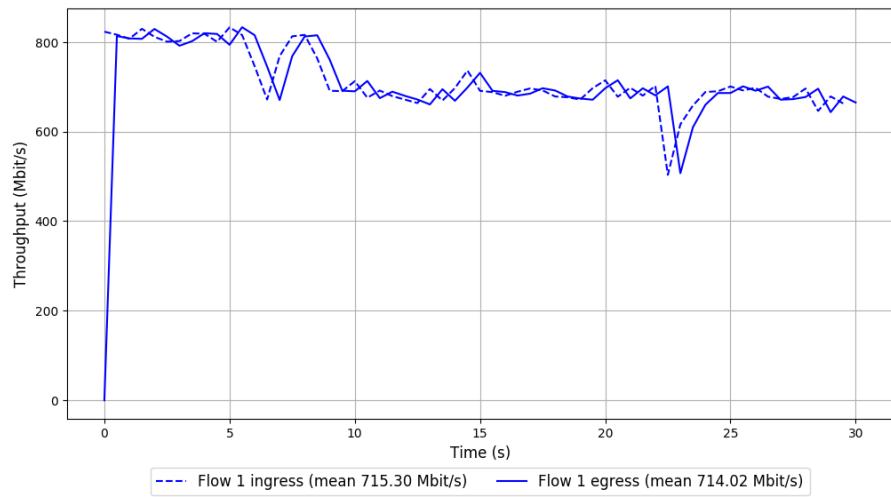


Run 4: Statistics of TCP BBR

```
Start at: 2019-01-18 20:36:51
End at: 2019-01-18 20:37:21
Local clock offset: 2.792 ms
Remote clock offset: -1.254 ms

# Below is generated by plot.py at 2019-01-18 21:25:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 714.02 Mbit/s
95th percentile per-packet one-way delay: 5.813 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 714.02 Mbit/s
95th percentile per-packet one-way delay: 5.813 ms
Loss rate: 0.18%
```

Run 4: Report of TCP BBR — Data Link

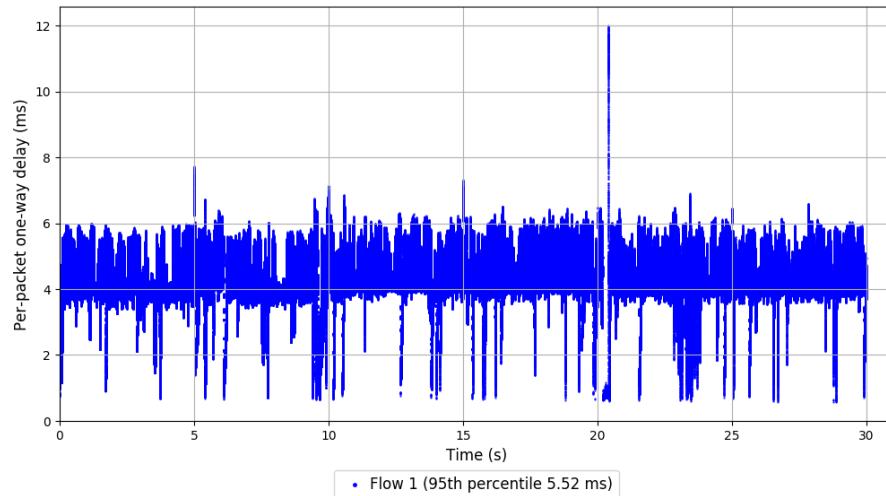
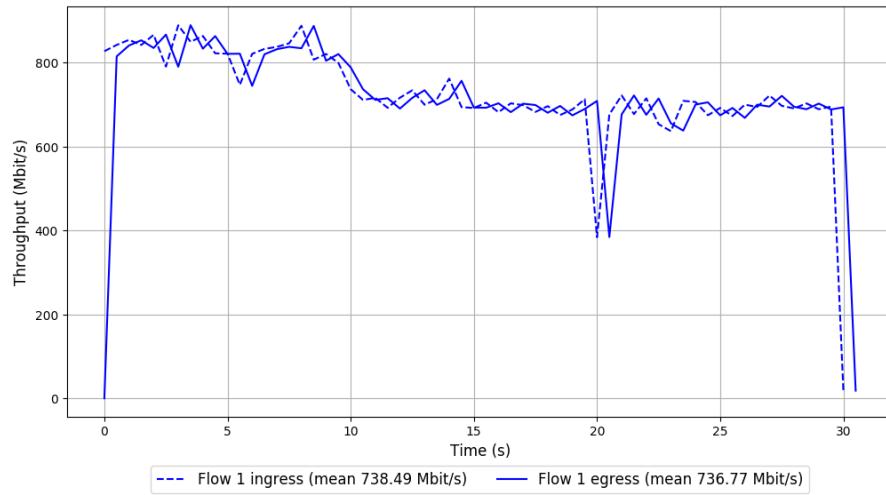


Run 5: Statistics of TCP BBR

```
Start at: 2019-01-18 21:05:34
End at: 2019-01-18 21:06:04
Local clock offset: -3.381 ms
Remote clock offset: 2.724 ms

# Below is generated by plot.py at 2019-01-18 21:25:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 736.77 Mbit/s
95th percentile per-packet one-way delay: 5.522 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 736.77 Mbit/s
95th percentile per-packet one-way delay: 5.522 ms
Loss rate: 0.23%
```

Run 5: Report of TCP BBR — Data Link

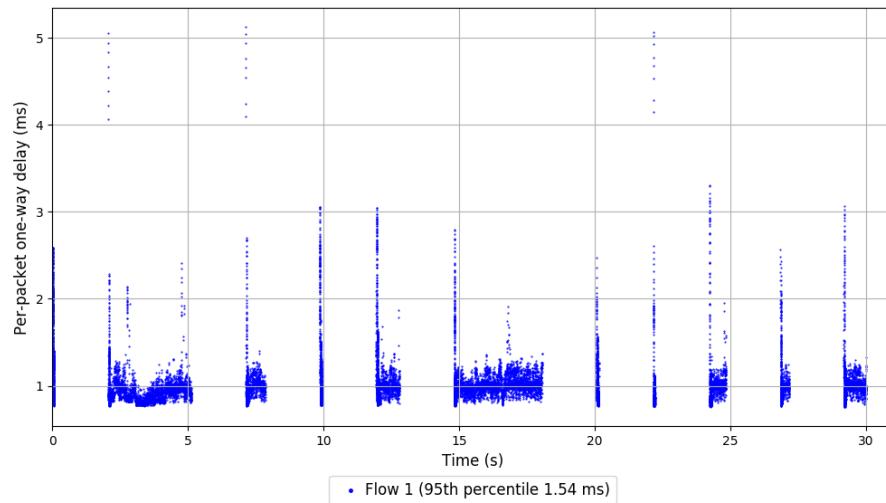
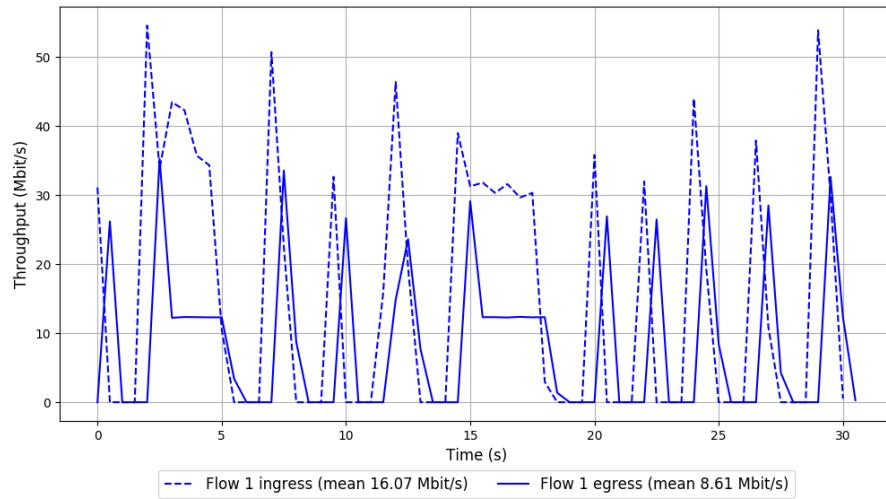


Run 1: Statistics of Copa

```
Start at: 2019-01-18 19:13:54
End at: 2019-01-18 19:14:24
Local clock offset: 4.499 ms
Remote clock offset: 1.967 ms

# Below is generated by plot.py at 2019-01-18 21:25:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.61 Mbit/s
95th percentile per-packet one-way delay: 1.539 ms
Loss rate: 46.40%
-- Flow 1:
Average throughput: 8.61 Mbit/s
95th percentile per-packet one-way delay: 1.539 ms
Loss rate: 46.40%
```

Run 1: Report of Copa — Data Link

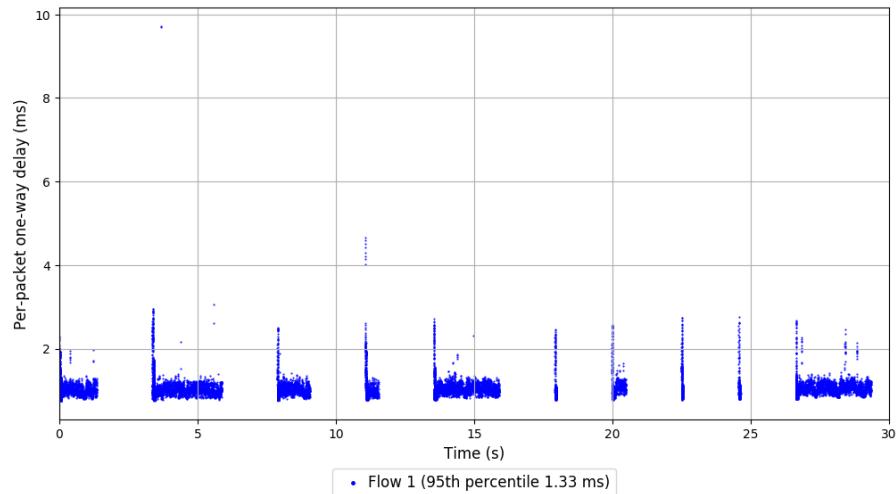
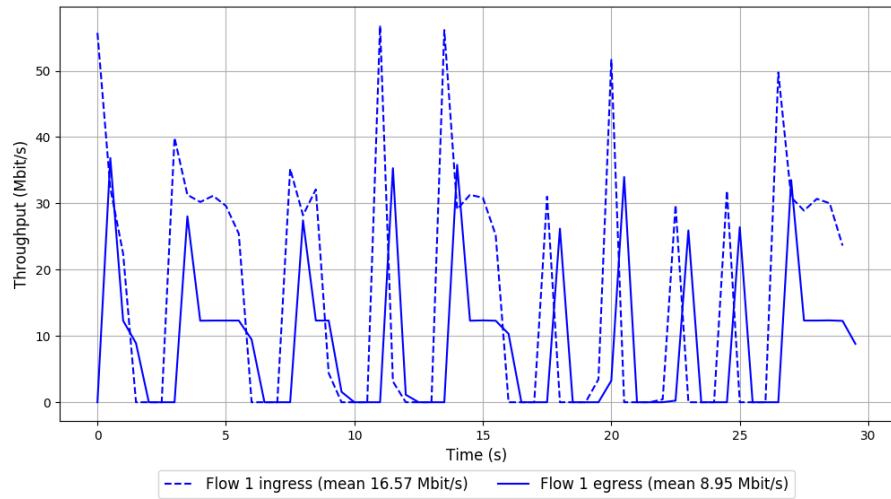


Run 2: Statistics of Copa

```
Start at: 2019-01-18 19:42:35
End at: 2019-01-18 19:43:05
Local clock offset: 6.911 ms
Remote clock offset: 2.801 ms

# Below is generated by plot.py at 2019-01-18 21:25:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.95 Mbit/s
95th percentile per-packet one-way delay: 1.333 ms
Loss rate: 45.97%
-- Flow 1:
Average throughput: 8.95 Mbit/s
95th percentile per-packet one-way delay: 1.333 ms
Loss rate: 45.97%
```

Run 2: Report of Copa — Data Link

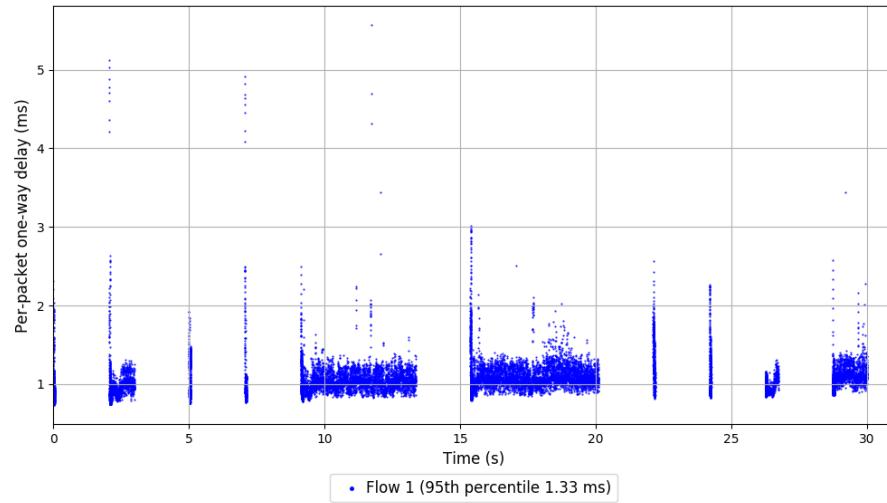
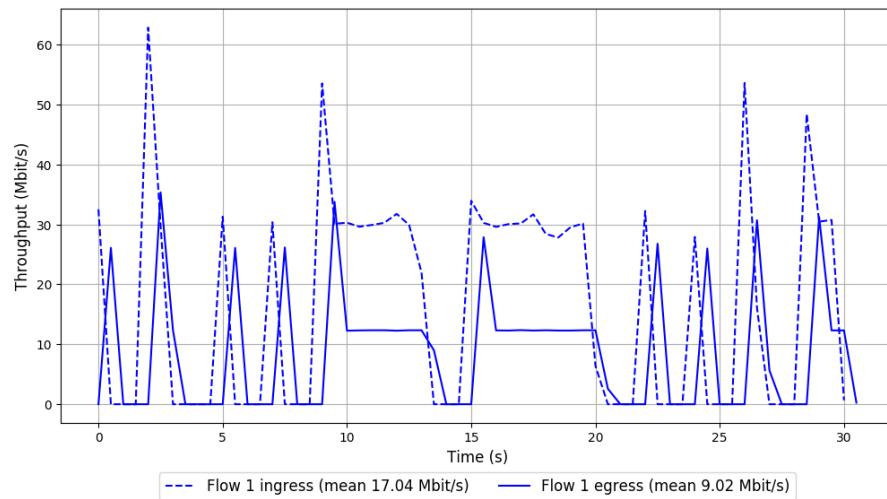


Run 3: Statistics of Copa

```
Start at: 2019-01-18 20:11:01
End at: 2019-01-18 20:11:31
Local clock offset: 3.102 ms
Remote clock offset: 1.998 ms

# Below is generated by plot.py at 2019-01-18 21:25:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.02 Mbit/s
95th percentile per-packet one-way delay: 1.330 ms
Loss rate: 47.03%
-- Flow 1:
Average throughput: 9.02 Mbit/s
95th percentile per-packet one-way delay: 1.330 ms
Loss rate: 47.03%
```

Run 3: Report of Copa — Data Link

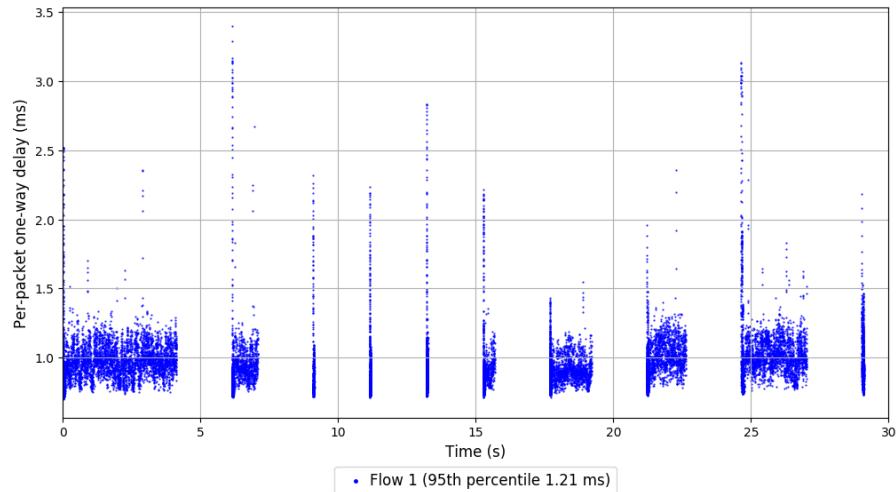
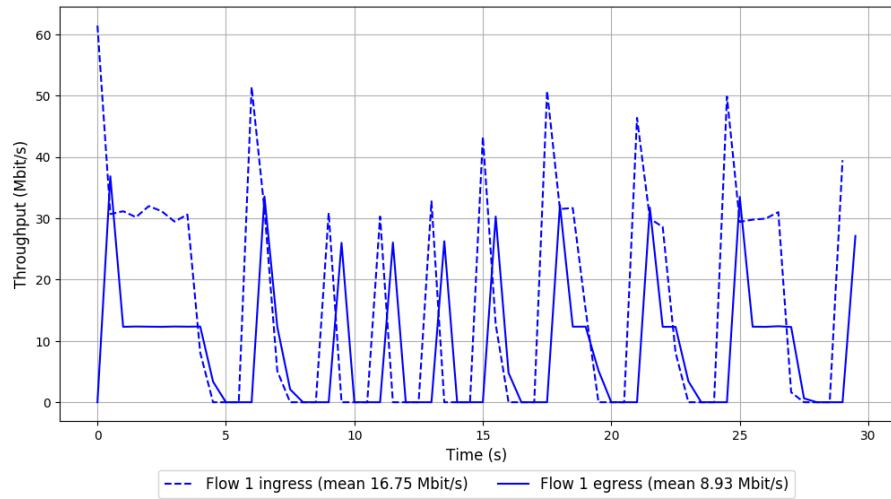


Run 4: Statistics of Copa

```
Start at: 2019-01-18 20:39:40
End at: 2019-01-18 20:40:10
Local clock offset: 2.767 ms
Remote clock offset: -1.447 ms

# Below is generated by plot.py at 2019-01-18 21:25:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.93 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 46.70%
-- Flow 1:
Average throughput: 8.93 Mbit/s
95th percentile per-packet one-way delay: 1.208 ms
Loss rate: 46.70%
```

Run 4: Report of Copa — Data Link

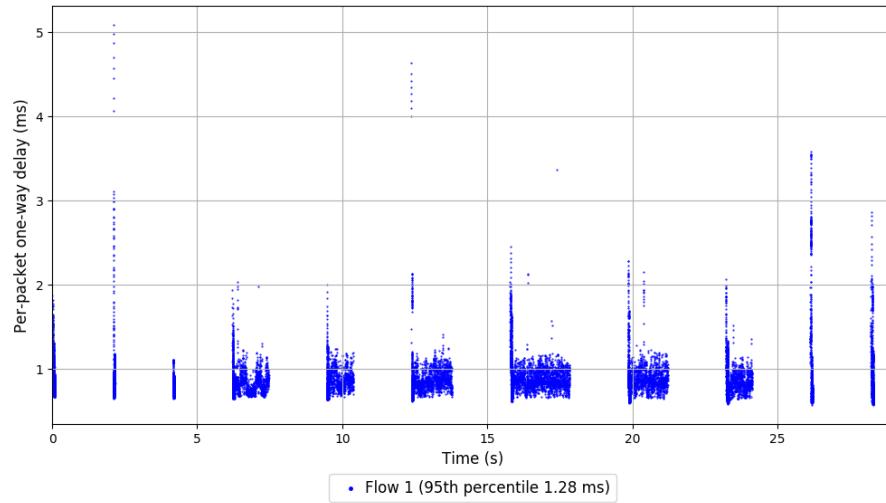
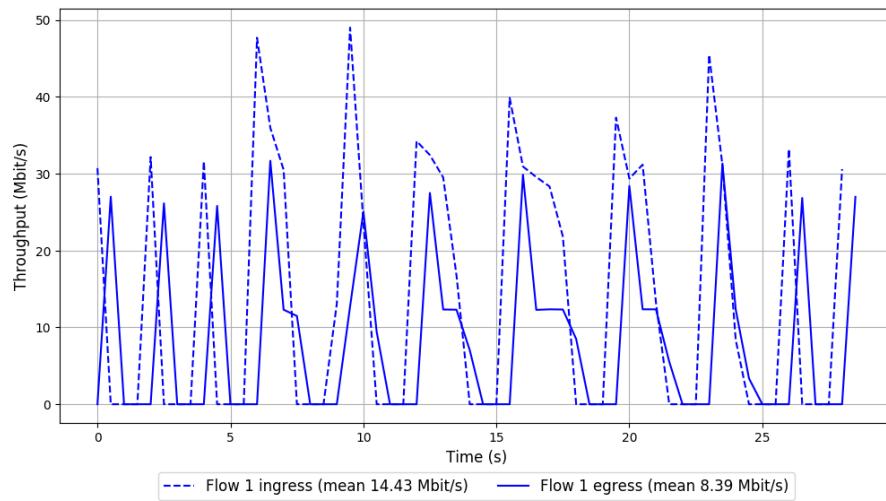


Run 5: Statistics of Copa

```
Start at: 2019-01-18 21:08:24
End at: 2019-01-18 21:08:54
Local clock offset: -3.864 ms
Remote clock offset: 2.863 ms

# Below is generated by plot.py at 2019-01-18 21:25:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.39 Mbit/s
95th percentile per-packet one-way delay: 1.276 ms
Loss rate: 41.84%
-- Flow 1:
Average throughput: 8.39 Mbit/s
95th percentile per-packet one-way delay: 1.276 ms
Loss rate: 41.84%
```

Run 5: Report of Copa — Data Link

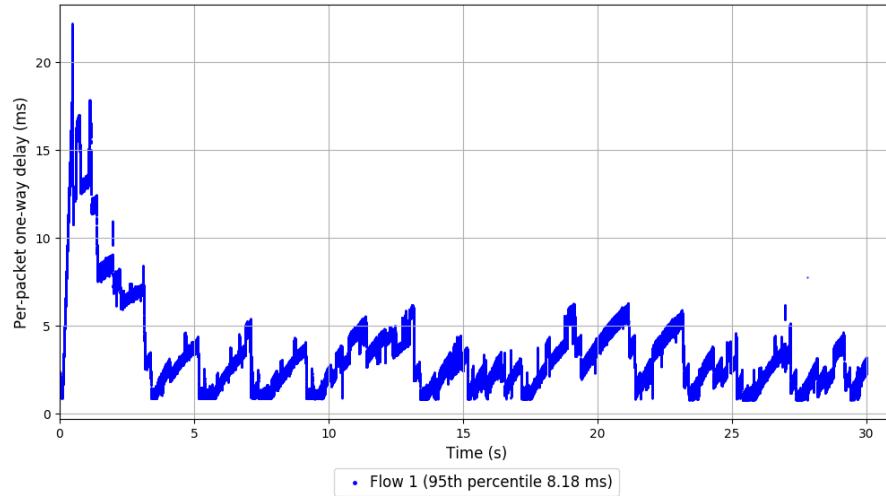
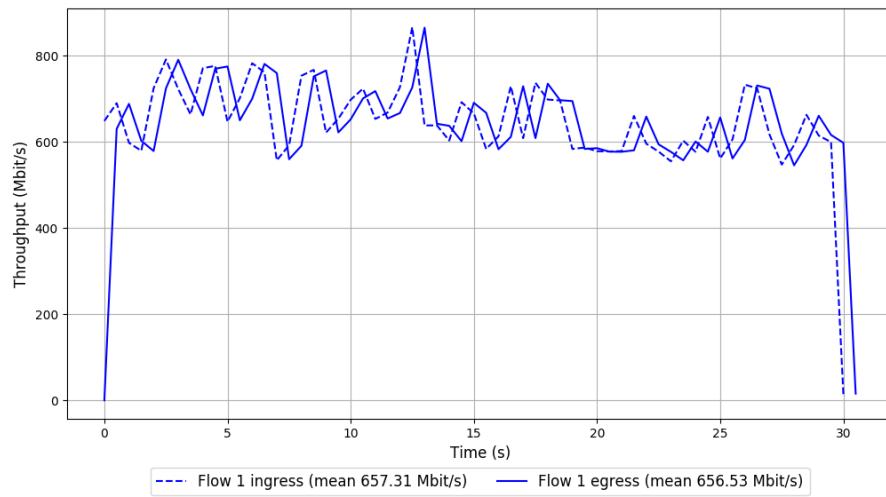


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-01-18 19:03:06
End at: 2019-01-18 19:03:36
Local clock offset: 2.769 ms
Remote clock offset: -0.904 ms

# Below is generated by plot.py at 2019-01-18 21:25:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 656.53 Mbit/s
95th percentile per-packet one-way delay: 8.176 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 656.53 Mbit/s
95th percentile per-packet one-way delay: 8.176 ms
Loss rate: 0.12%
```

Run 1: Report of TCP Cubic — Data Link

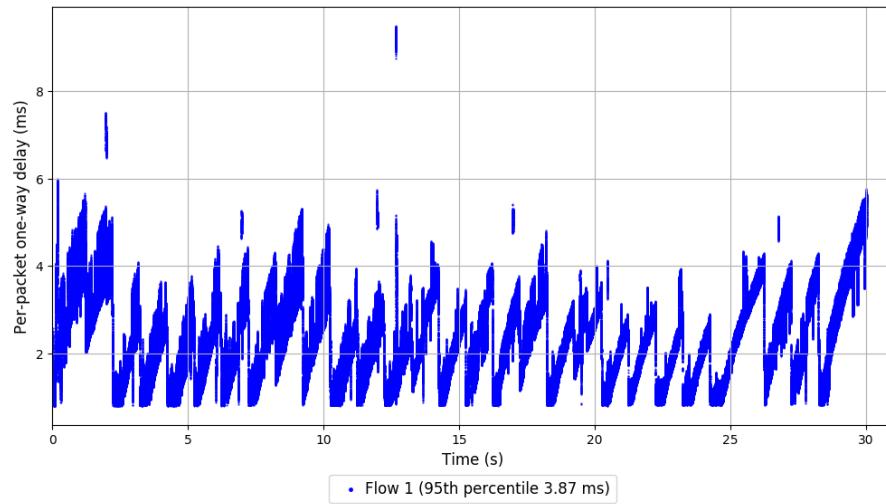
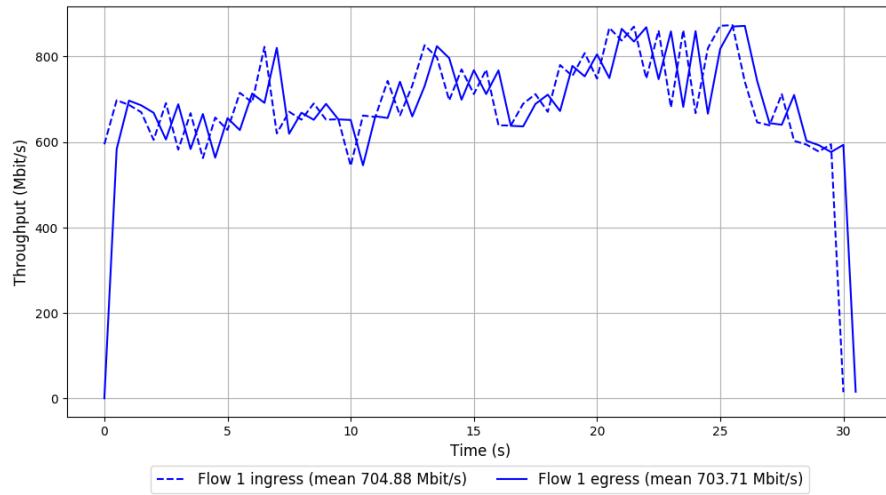


```
Run 2: Statistics of TCP Cubic
```

```
Start at: 2019-01-18 19:31:46
End at: 2019-01-18 19:32:16
Local clock offset: 6.119 ms
Remote clock offset: 3.142 ms

# Below is generated by plot.py at 2019-01-18 21:25:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 703.71 Mbit/s
95th percentile per-packet one-way delay: 3.873 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 703.71 Mbit/s
95th percentile per-packet one-way delay: 3.873 ms
Loss rate: 0.17%
```

Run 2: Report of TCP Cubic — Data Link

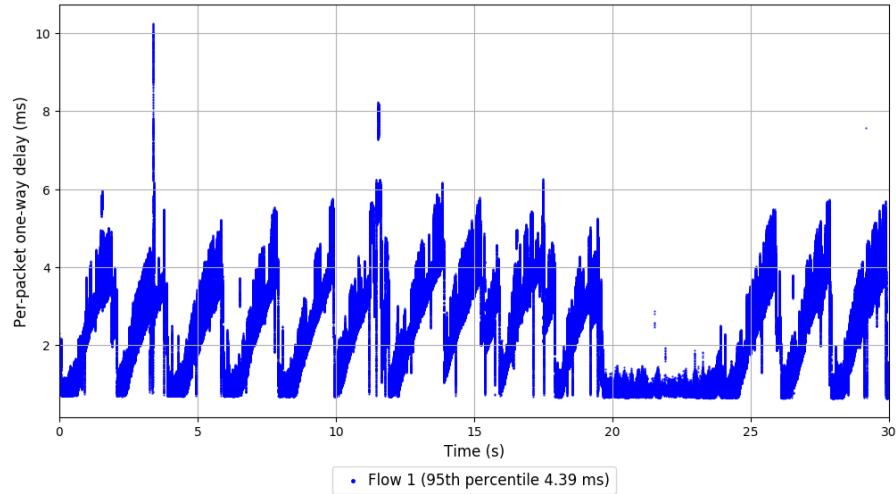
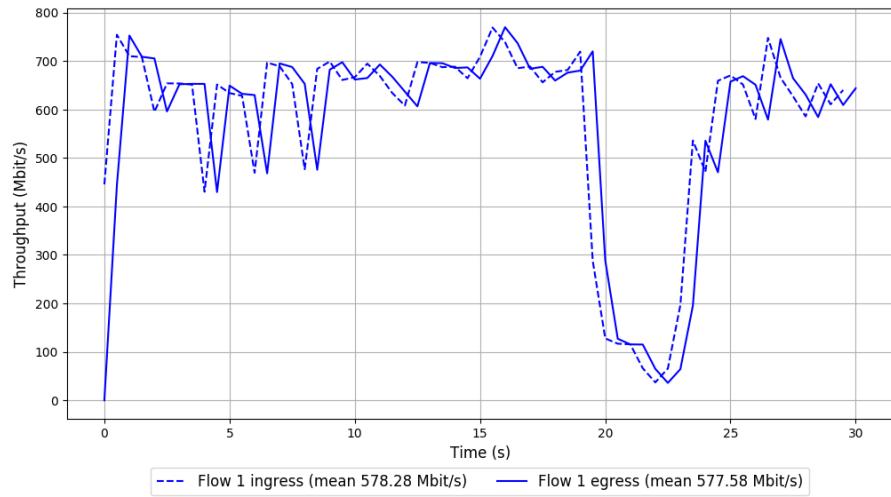


Run 3: Statistics of TCP Cubic

```
Start at: 2019-01-18 20:00:16
End at: 2019-01-18 20:00:46
Local clock offset: 4.17 ms
Remote clock offset: 2.648 ms

# Below is generated by plot.py at 2019-01-18 21:25:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 577.58 Mbit/s
95th percentile per-packet one-way delay: 4.389 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 577.58 Mbit/s
95th percentile per-packet one-way delay: 4.389 ms
Loss rate: 0.12%
```

Run 3: Report of TCP Cubic — Data Link

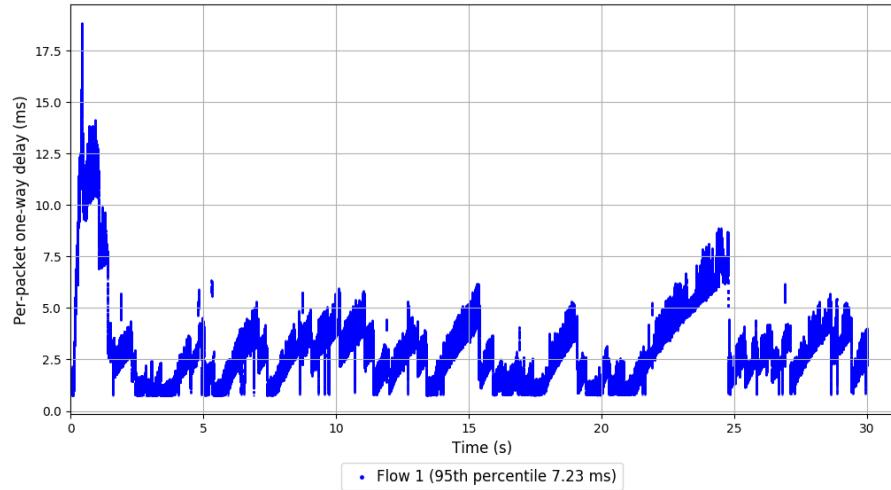
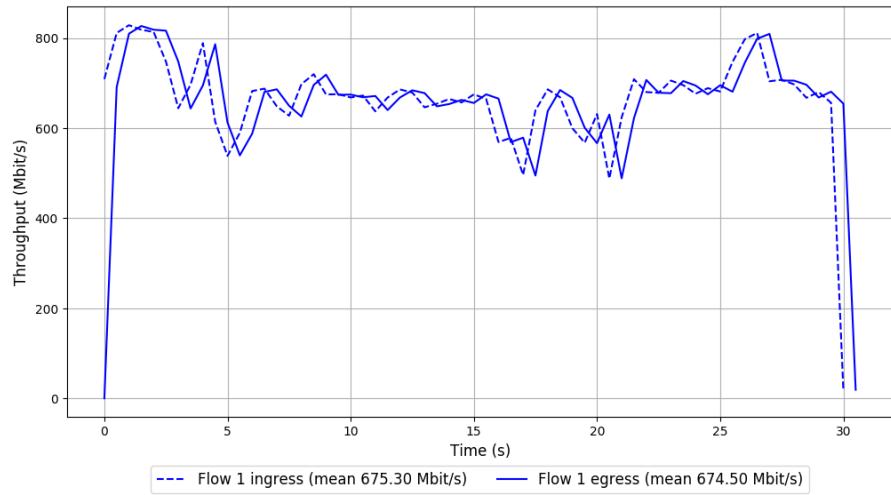


Run 4: Statistics of TCP Cubic

```
Start at: 2019-01-18 20:28:53
End at: 2019-01-18 20:29:23
Local clock offset: 2.821 ms
Remote clock offset: -0.682 ms

# Below is generated by plot.py at 2019-01-18 21:30:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 674.50 Mbit/s
95th percentile per-packet one-way delay: 7.232 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 674.50 Mbit/s
95th percentile per-packet one-way delay: 7.232 ms
Loss rate: 0.12%
```

Run 4: Report of TCP Cubic — Data Link

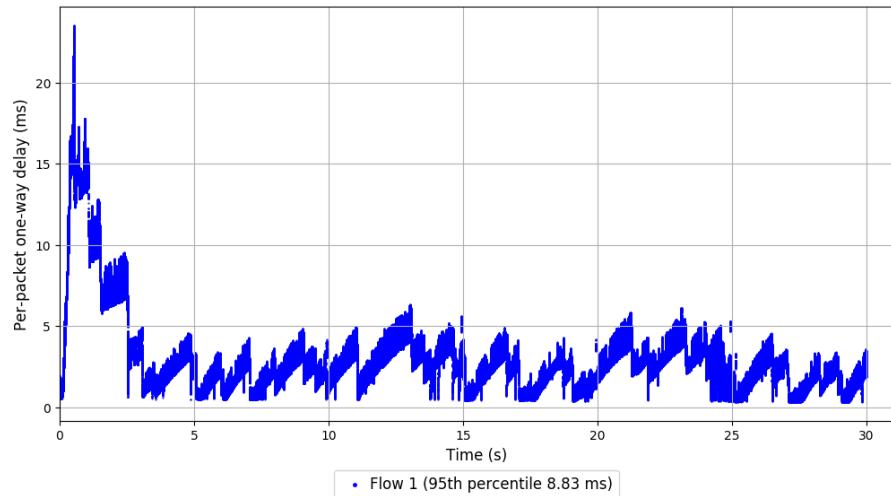
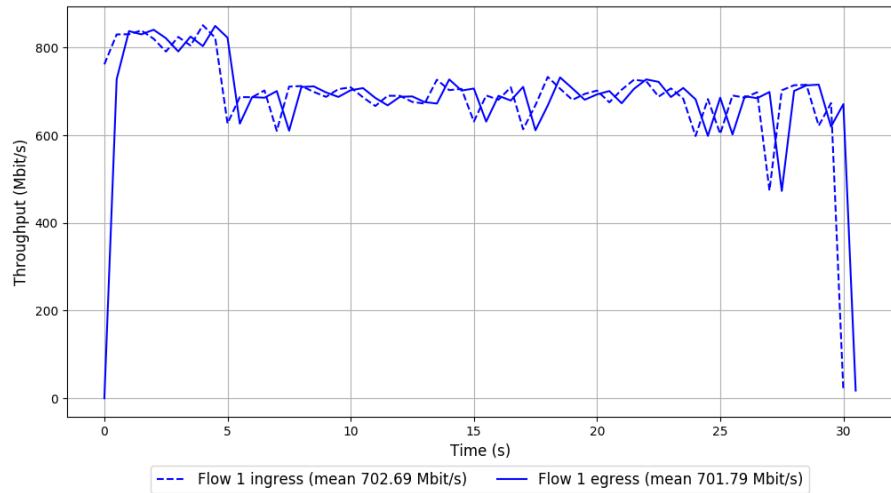


Run 5: Statistics of TCP Cubic

```
Start at: 2019-01-18 20:57:33
End at: 2019-01-18 20:58:03
Local clock offset: -1.341 ms
Remote clock offset: 2.022 ms

# Below is generated by plot.py at 2019-01-18 21:30:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 701.79 Mbit/s
95th percentile per-packet one-way delay: 8.828 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 701.79 Mbit/s
95th percentile per-packet one-way delay: 8.828 ms
Loss rate: 0.13%
```

Run 5: Report of TCP Cubic — Data Link

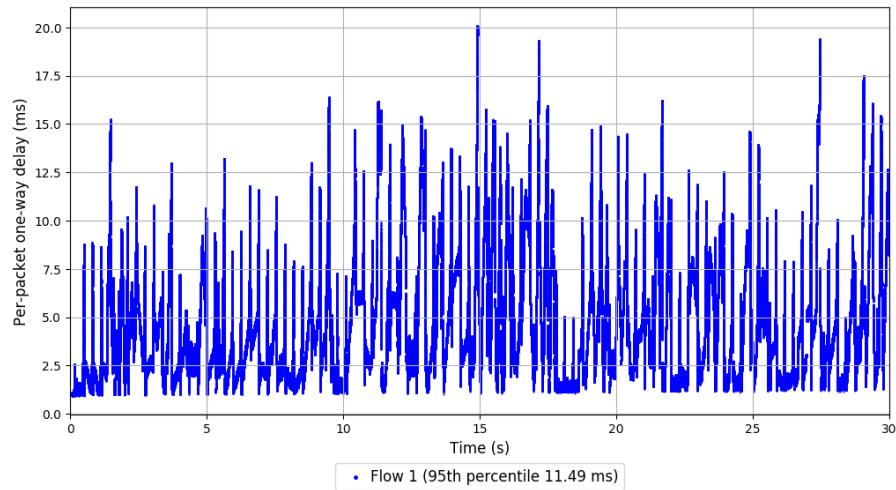
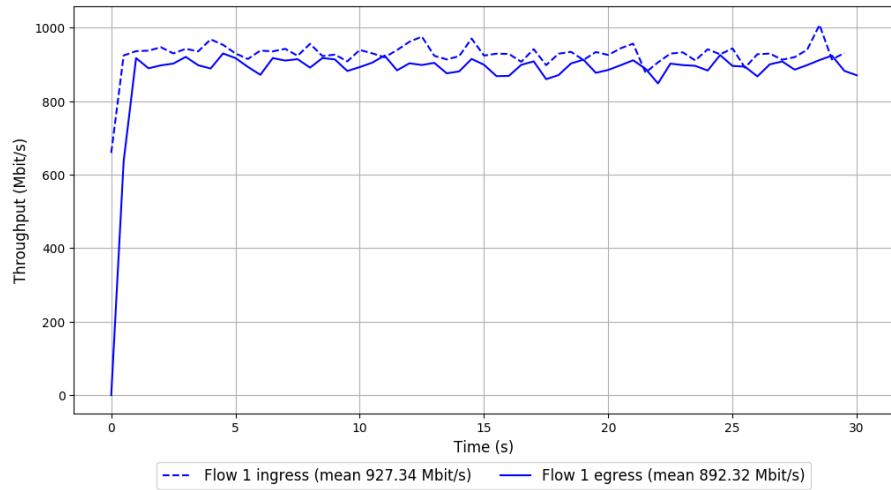


```
Run 1: Statistics of FillP
```

```
Start at: 2019-01-18 18:54:39
End at: 2019-01-18 18:55:09
Local clock offset: 0.018 ms
Remote clock offset: -1.278 ms

# Below is generated by plot.py at 2019-01-18 21:36:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 892.32 Mbit/s
95th percentile per-packet one-way delay: 11.495 ms
Loss rate: 3.77%
-- Flow 1:
Average throughput: 892.32 Mbit/s
95th percentile per-packet one-way delay: 11.495 ms
Loss rate: 3.77%
```

Run 1: Report of FillP — Data Link

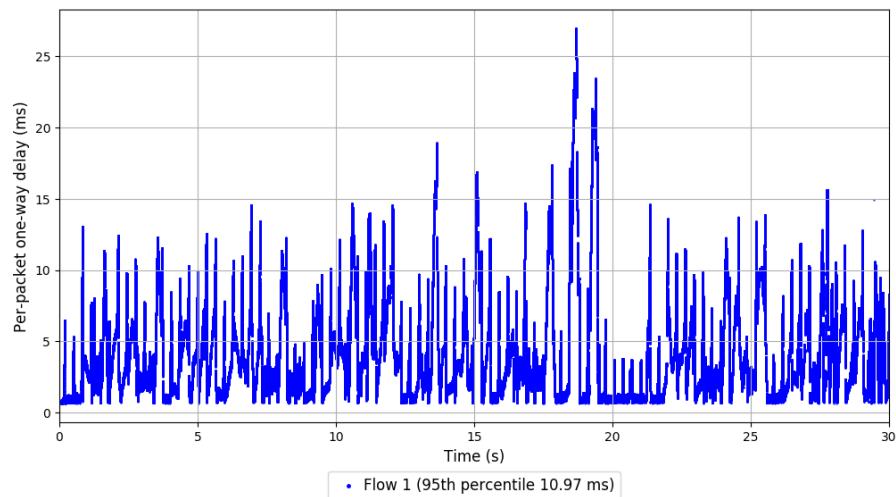
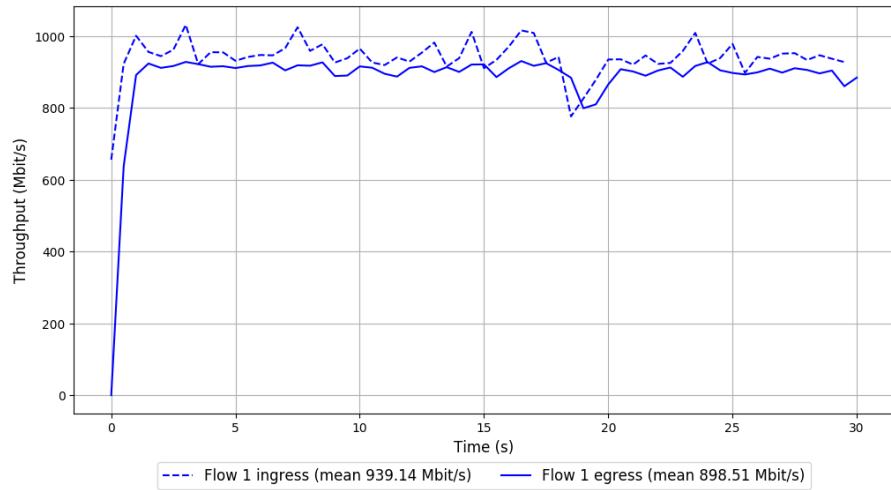


```
Run 2: Statistics of FillP
```

```
Start at: 2019-01-18 19:23:09
End at: 2019-01-18 19:23:39
Local clock offset: 5.406 ms
Remote clock offset: 2.695 ms

# Below is generated by plot.py at 2019-01-18 21:36:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 898.51 Mbit/s
95th percentile per-packet one-way delay: 10.968 ms
Loss rate: 4.32%
-- Flow 1:
Average throughput: 898.51 Mbit/s
95th percentile per-packet one-way delay: 10.968 ms
Loss rate: 4.32%
```

Run 2: Report of FillP — Data Link

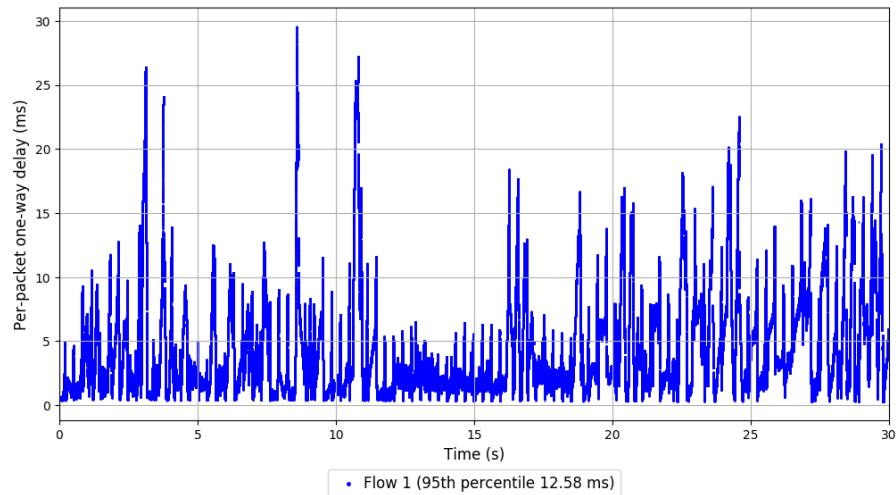
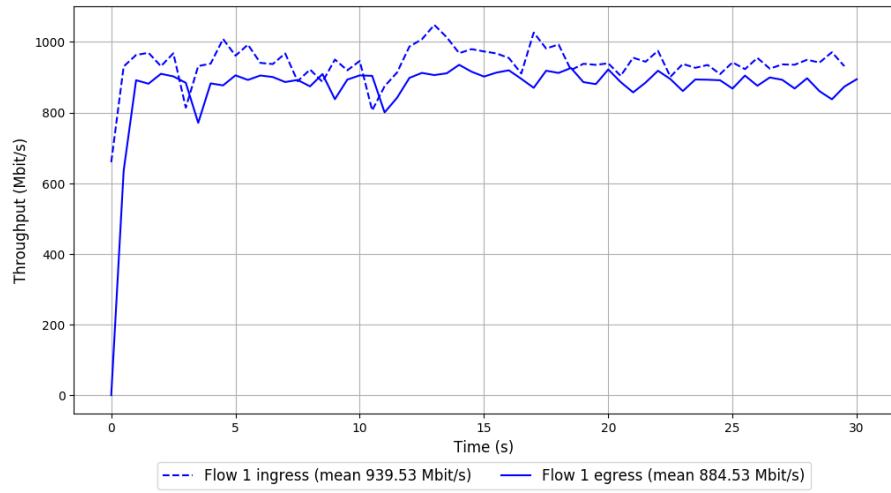


```
Run 3: Statistics of FillP
```

```
Start at: 2019-01-18 19:51:47
End at: 2019-01-18 19:52:17
Local clock offset: 6.46 ms
Remote clock offset: 2.644 ms

# Below is generated by plot.py at 2019-01-18 21:36:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 884.53 Mbit/s
95th percentile per-packet one-way delay: 12.581 ms
Loss rate: 5.85%
-- Flow 1:
Average throughput: 884.53 Mbit/s
95th percentile per-packet one-way delay: 12.581 ms
Loss rate: 5.85%
```

Run 3: Report of FillP — Data Link

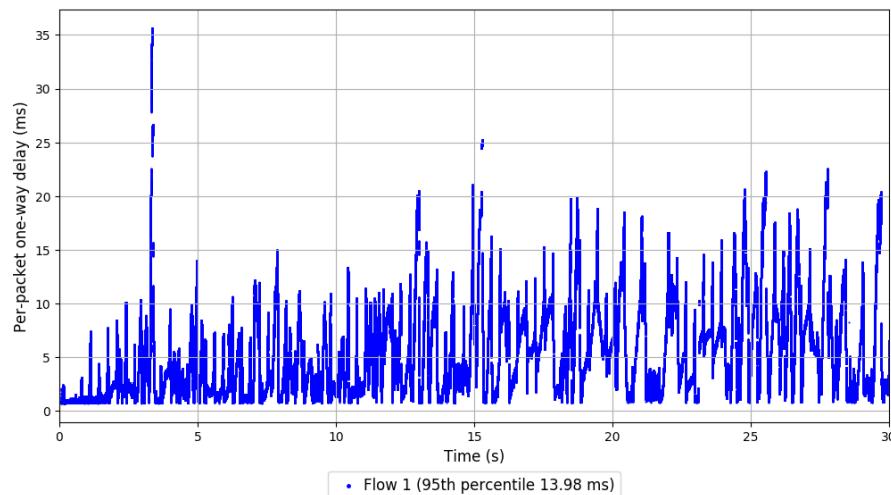
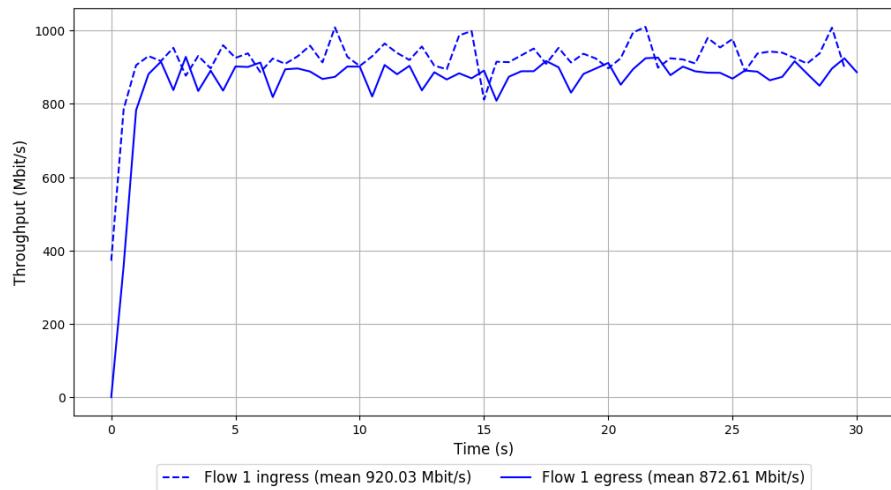


```
Run 4: Statistics of FillP
```

```
Start at: 2019-01-18 20:20:13
End at: 2019-01-18 20:20:43
Local clock offset: 2.816 ms
Remote clock offset: 0.156 ms

# Below is generated by plot.py at 2019-01-18 21:36:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 872.61 Mbit/s
95th percentile per-packet one-way delay: 13.978 ms
Loss rate: 5.15%
-- Flow 1:
Average throughput: 872.61 Mbit/s
95th percentile per-packet one-way delay: 13.978 ms
Loss rate: 5.15%
```

Run 4: Report of FillP — Data Link

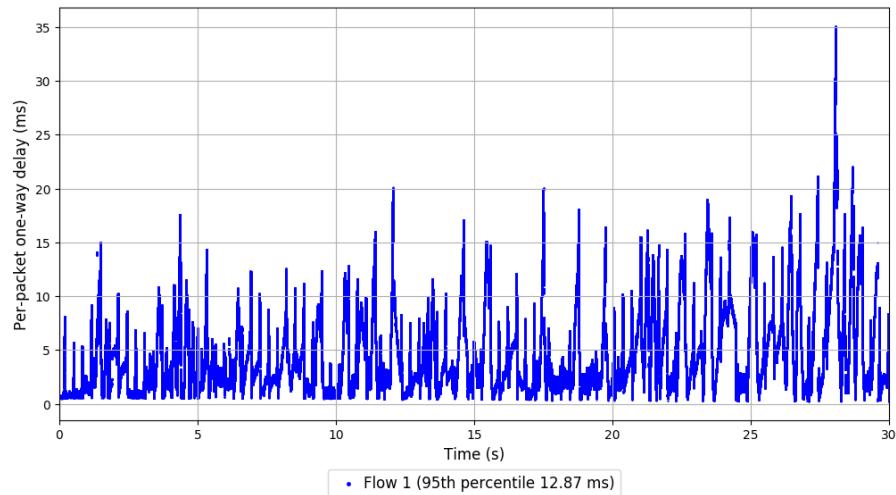
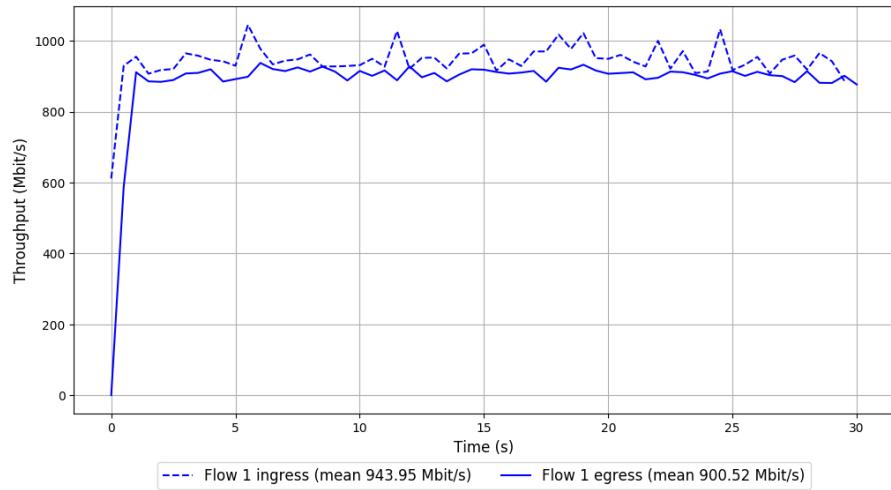


```
Run 5: Statistics of FillP
```

```
Start at: 2019-01-18 20:48:56
End at: 2019-01-18 20:49:26
Local clock offset: 2.724 ms
Remote clock offset: 0.28 ms

# Below is generated by plot.py at 2019-01-18 21:36:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 900.52 Mbit/s
95th percentile per-packet one-way delay: 12.870 ms
Loss rate: 4.60%
-- Flow 1:
Average throughput: 900.52 Mbit/s
95th percentile per-packet one-way delay: 12.870 ms
Loss rate: 4.60%
```

Run 5: Report of FillP — Data Link

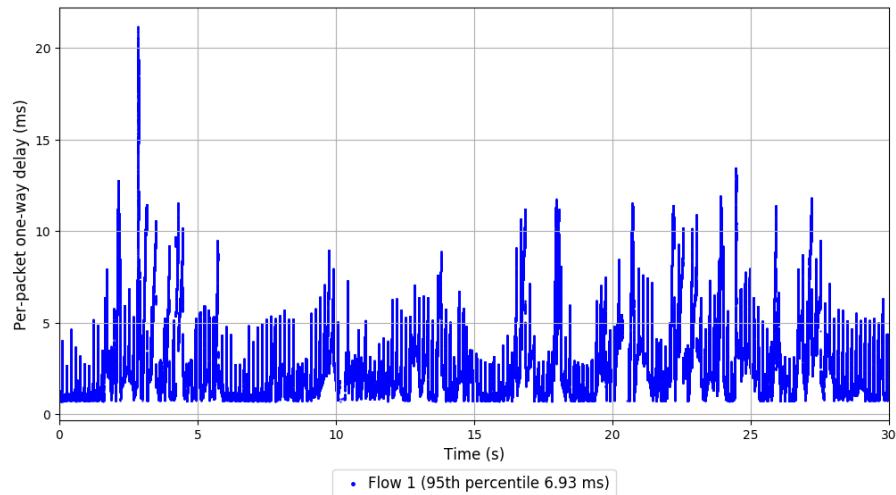
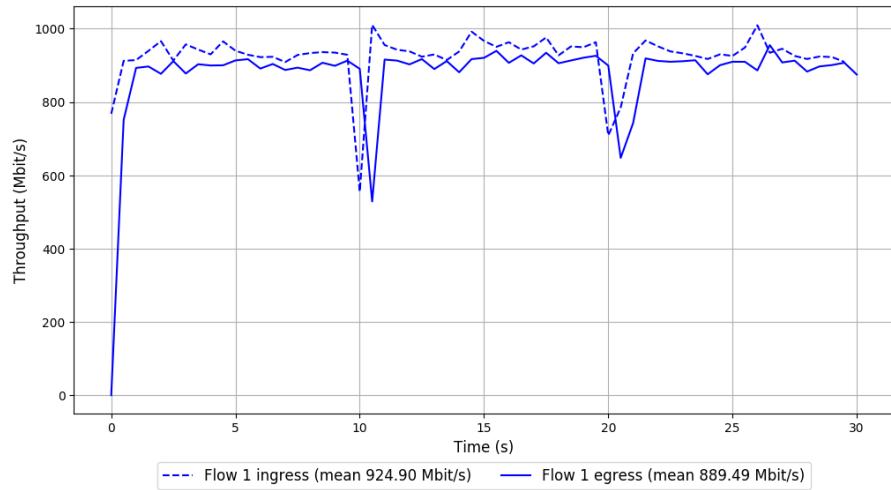


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-01-18 19:15:07
End at: 2019-01-18 19:15:37
Local clock offset: 4.613 ms
Remote clock offset: 2.097 ms

# Below is generated by plot.py at 2019-01-18 21:36:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 889.49 Mbit/s
95th percentile per-packet one-way delay: 6.934 ms
Loss rate: 3.83%
-- Flow 1:
Average throughput: 889.49 Mbit/s
95th percentile per-packet one-way delay: 6.934 ms
Loss rate: 3.83%
```

Run 1: Report of FillP-Sheep — Data Link

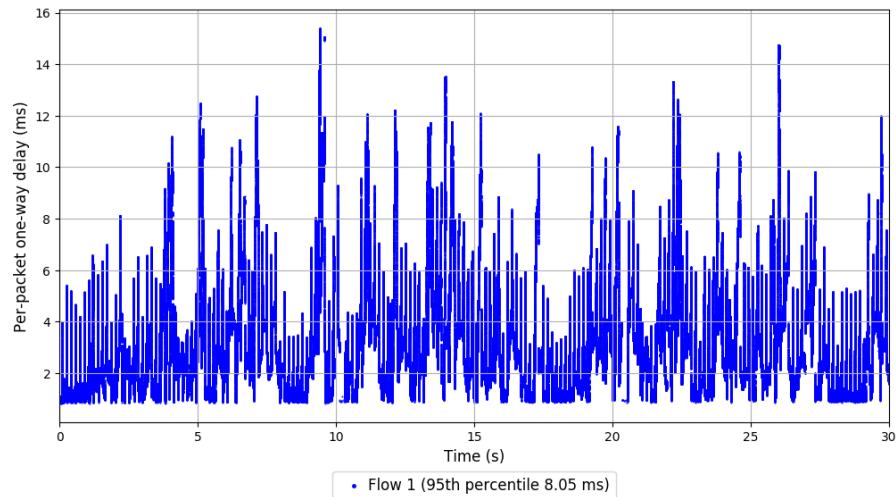
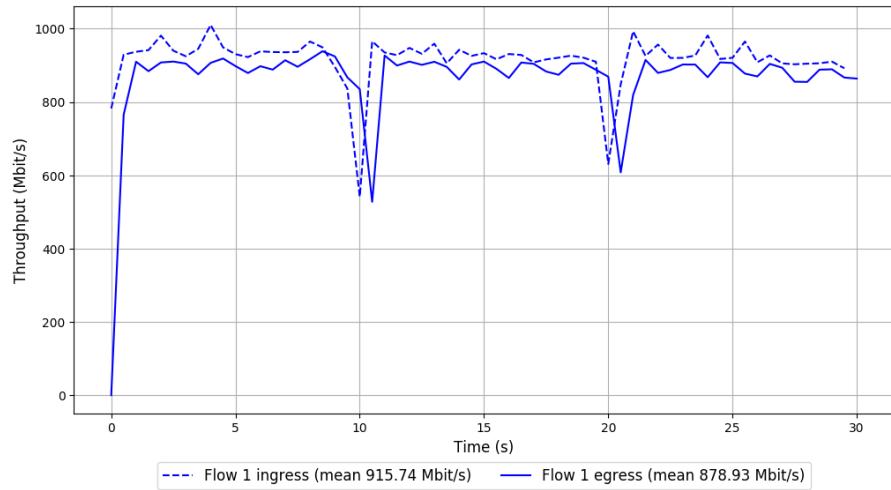


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-01-18 19:43:48
End at: 2019-01-18 19:44:18
Local clock offset: 7.003 ms
Remote clock offset: 2.88 ms

# Below is generated by plot.py at 2019-01-18 21:42:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 878.93 Mbit/s
95th percentile per-packet one-way delay: 8.047 ms
Loss rate: 4.02%
-- Flow 1:
Average throughput: 878.93 Mbit/s
95th percentile per-packet one-way delay: 8.047 ms
Loss rate: 4.02%
```

Run 2: Report of FillP-Sheep — Data Link

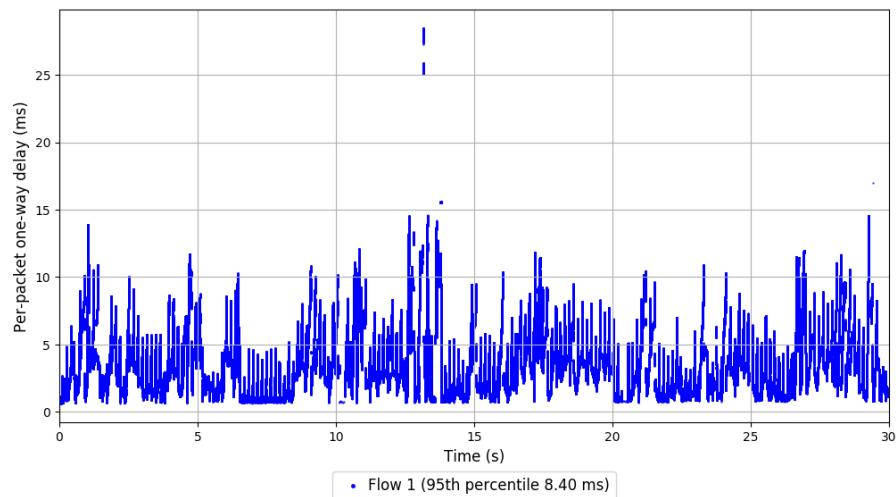
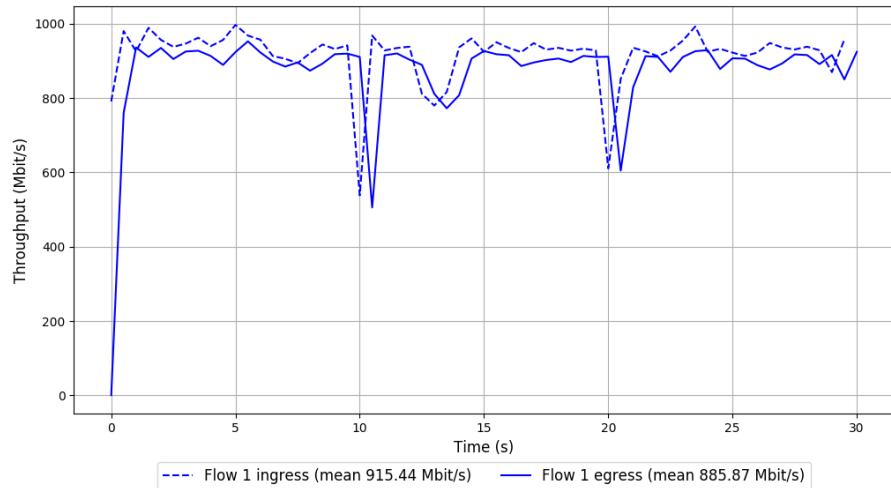


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-01-18 20:12:15
End at: 2019-01-18 20:12:45
Local clock offset: 3.049 ms
Remote clock offset: 1.596 ms

# Below is generated by plot.py at 2019-01-18 21:43:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 885.87 Mbit/s
95th percentile per-packet one-way delay: 8.402 ms
Loss rate: 3.23%
-- Flow 1:
Average throughput: 885.87 Mbit/s
95th percentile per-packet one-way delay: 8.402 ms
Loss rate: 3.23%
```

Run 3: Report of FillP-Sheep — Data Link

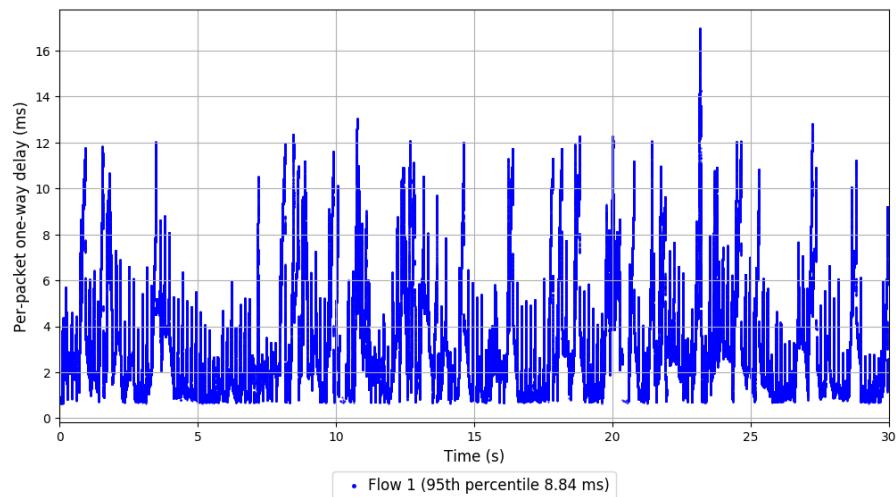
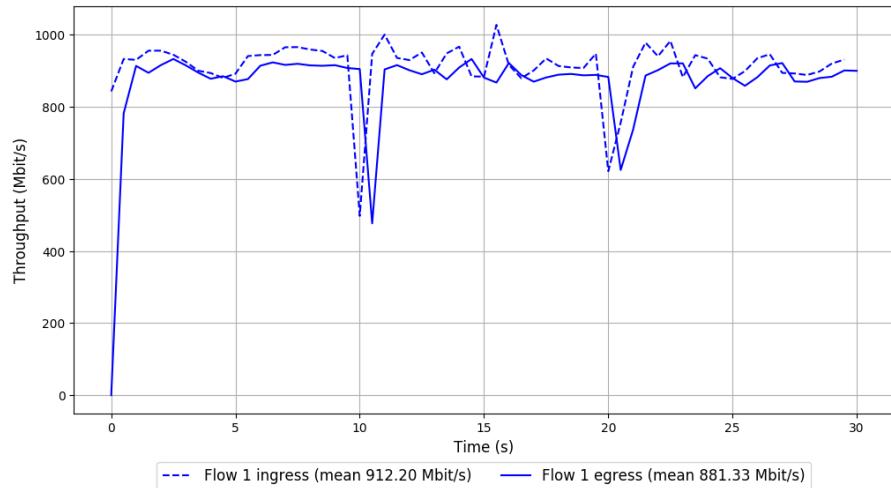


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-01-18 20:40:53
End at: 2019-01-18 20:41:23
Local clock offset: 2.765 ms
Remote clock offset: -1.545 ms

# Below is generated by plot.py at 2019-01-18 21:48:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 881.33 Mbit/s
95th percentile per-packet one-way delay: 8.835 ms
Loss rate: 3.38%
-- Flow 1:
Average throughput: 881.33 Mbit/s
95th percentile per-packet one-way delay: 8.835 ms
Loss rate: 3.38%
```

Run 4: Report of FillP-Sheep — Data Link

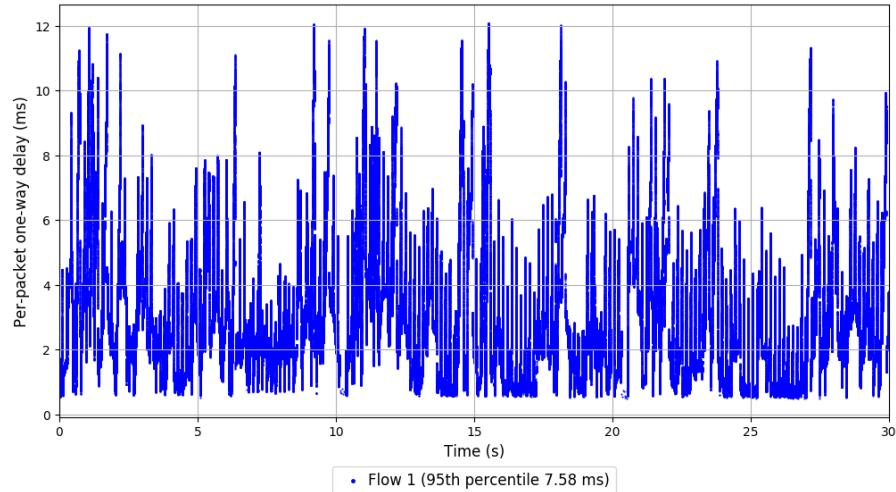
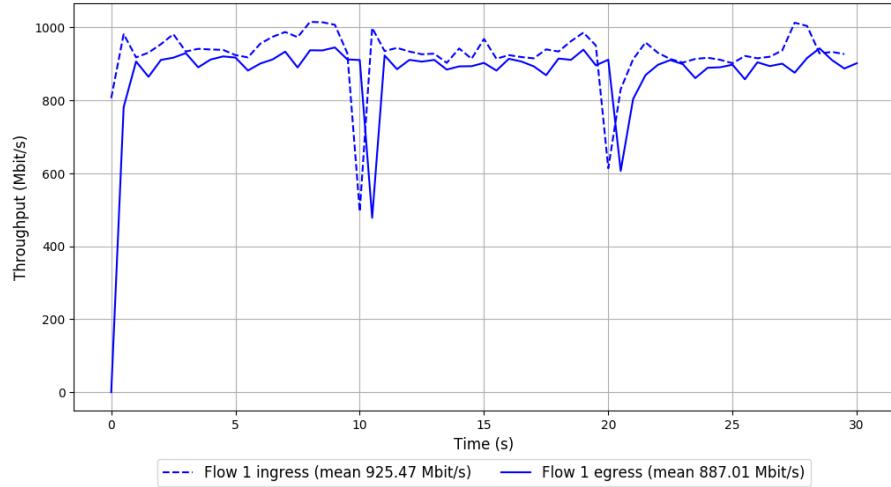


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-01-18 21:09:37
End at: 2019-01-18 21:10:07
Local clock offset: -4.079 ms
Remote clock offset: 2.832 ms

# Below is generated by plot.py at 2019-01-18 21:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 887.01 Mbit/s
95th percentile per-packet one-way delay: 7.577 ms
Loss rate: 4.16%
-- Flow 1:
Average throughput: 887.01 Mbit/s
95th percentile per-packet one-way delay: 7.577 ms
Loss rate: 4.16%
```

Run 5: Report of FillP-Sheep — Data Link

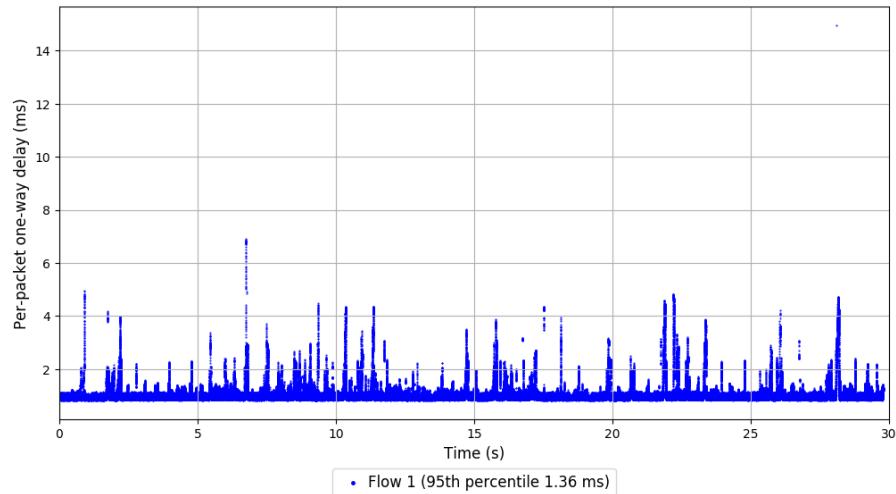
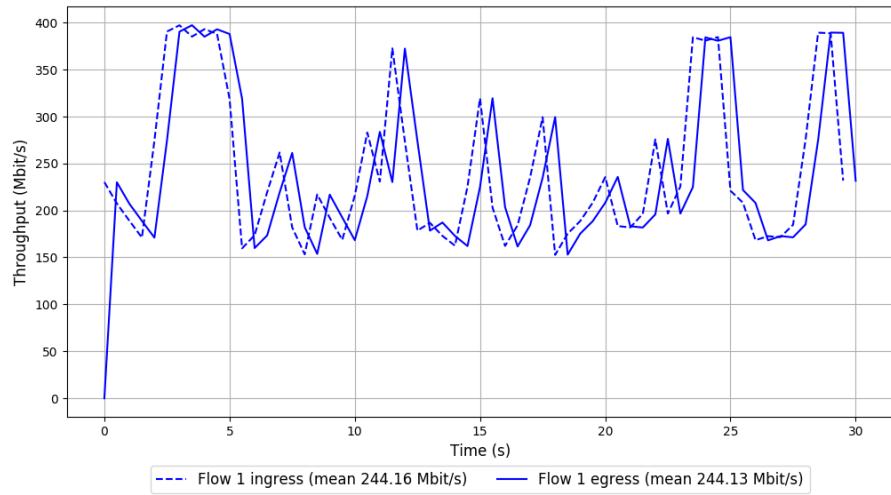


Run 1: Statistics of Indigo

```
Start at: 2019-01-18 19:16:45
End at: 2019-01-18 19:17:15
Local clock offset: 4.785 ms
Remote clock offset: 2.356 ms

# Below is generated by plot.py at 2019-01-18 21:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 244.13 Mbit/s
95th percentile per-packet one-way delay: 1.361 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 244.13 Mbit/s
95th percentile per-packet one-way delay: 1.361 ms
Loss rate: 0.01%
```

Run 1: Report of Indigo — Data Link

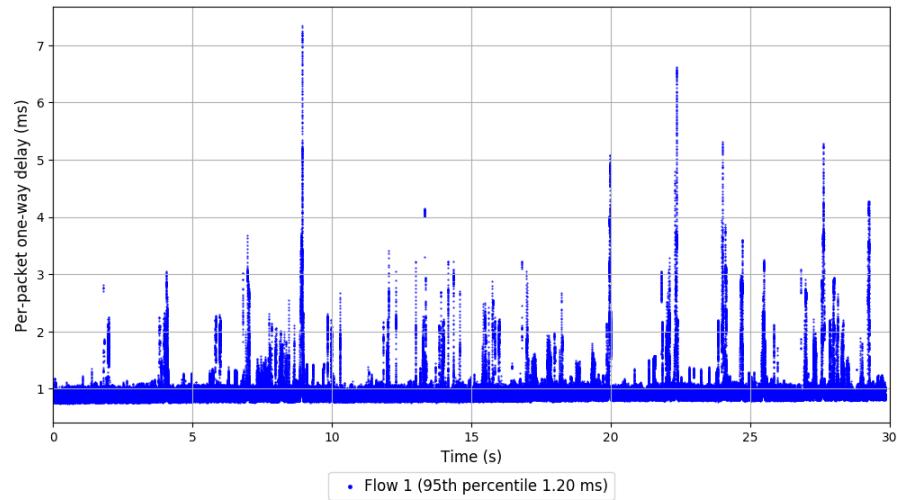
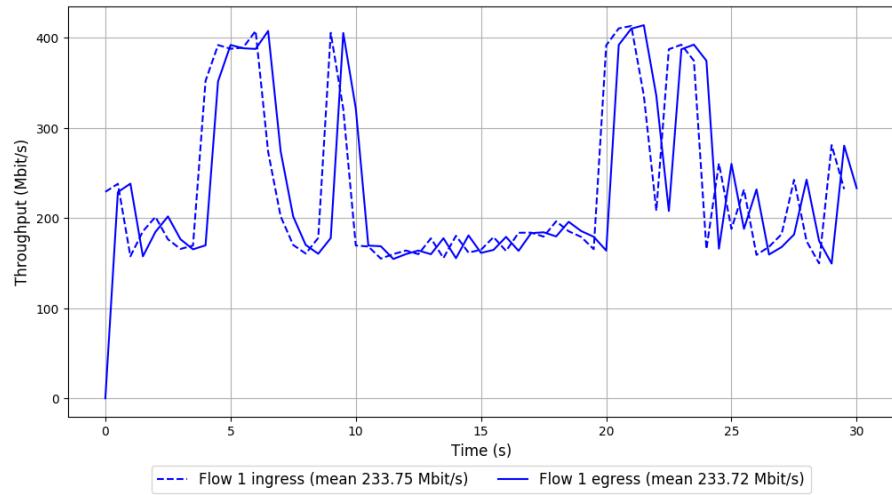


Run 2: Statistics of Indigo

```
Start at: 2019-01-18 19:45:25
End at: 2019-01-18 19:45:55
Local clock offset: 7.135 ms
Remote clock offset: 2.763 ms

# Below is generated by plot.py at 2019-01-18 21:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.72 Mbit/s
95th percentile per-packet one-way delay: 1.202 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 233.72 Mbit/s
95th percentile per-packet one-way delay: 1.202 ms
Loss rate: 0.01%
```

Run 2: Report of Indigo — Data Link

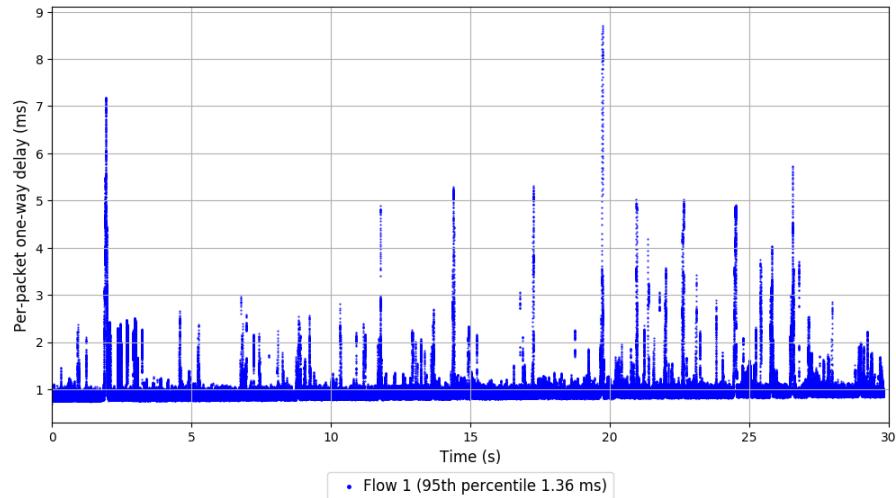
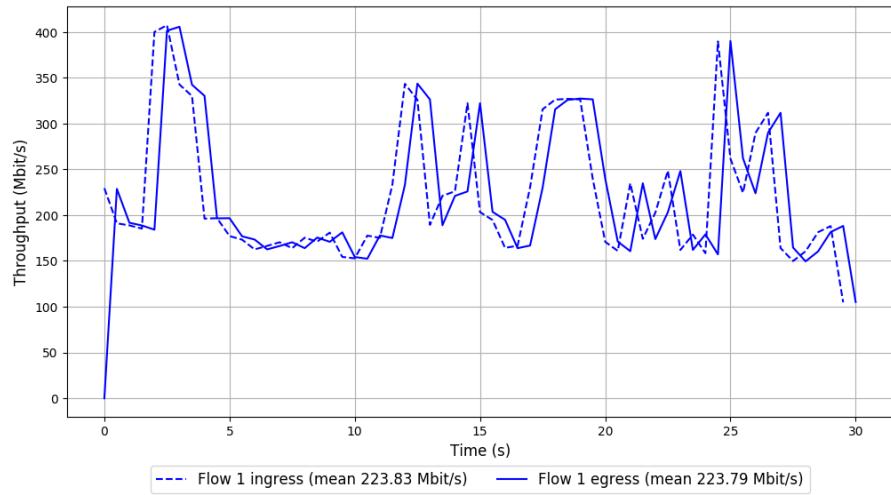


Run 3: Statistics of Indigo

```
Start at: 2019-01-18 20:13:52
End at: 2019-01-18 20:14:22
Local clock offset: 2.976 ms
Remote clock offset: 1.279 ms

# Below is generated by plot.py at 2019-01-18 21:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.79 Mbit/s
95th percentile per-packet one-way delay: 1.357 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 223.79 Mbit/s
95th percentile per-packet one-way delay: 1.357 ms
Loss rate: 0.02%
```

Run 3: Report of Indigo — Data Link

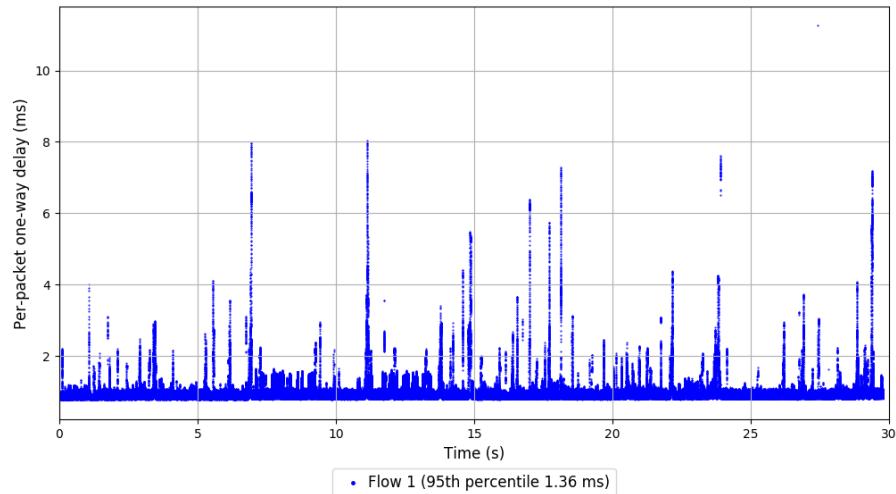
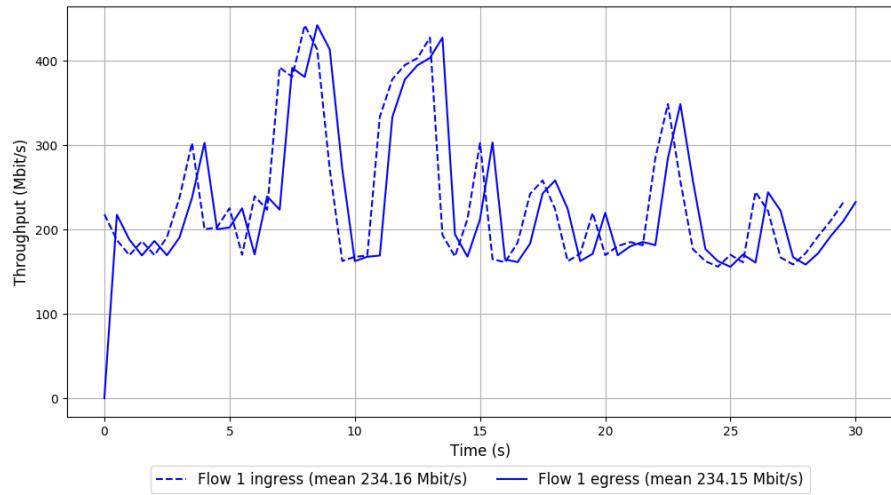


Run 4: Statistics of Indigo

```
Start at: 2019-01-18 20:42:32
End at: 2019-01-18 20:43:02
Local clock offset: 2.76 ms
Remote clock offset: -1.539 ms

# Below is generated by plot.py at 2019-01-18 21:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 234.15 Mbit/s
95th percentile per-packet one-way delay: 1.359 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 234.15 Mbit/s
95th percentile per-packet one-way delay: 1.359 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo — Data Link

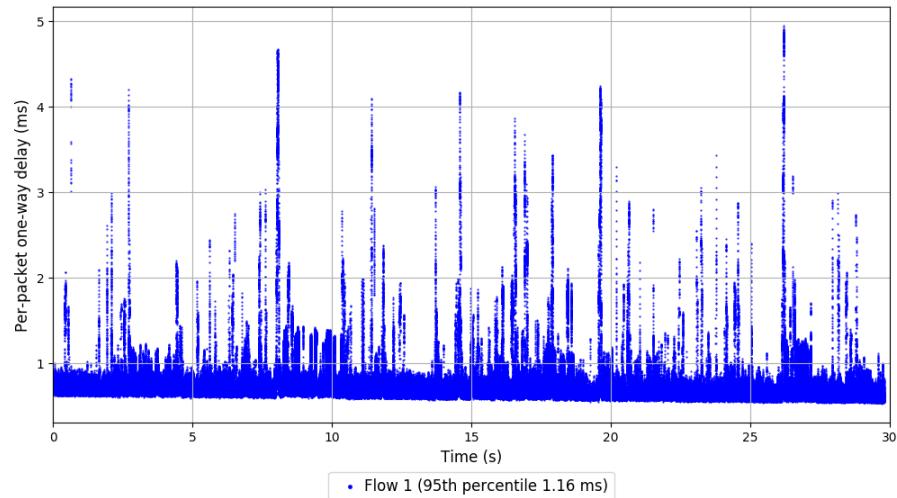
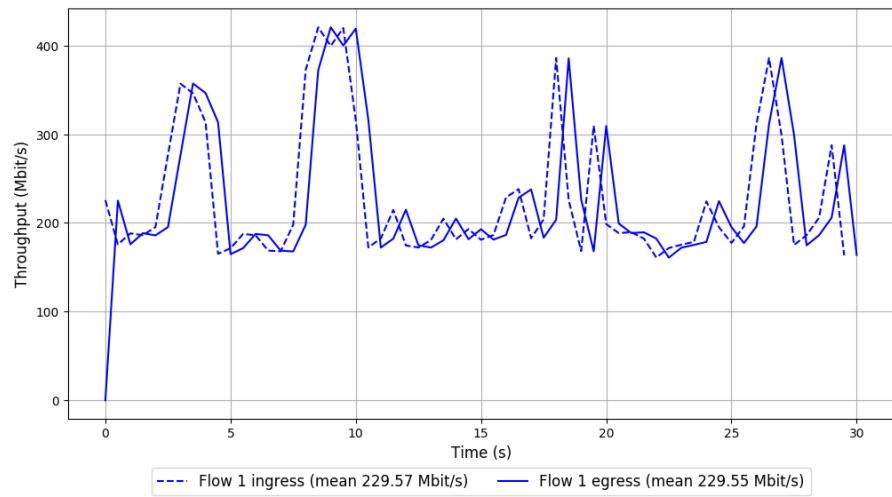


Run 5: Statistics of Indigo

```
Start at: 2019-01-18 21:11:14
End at: 2019-01-18 21:11:44
Local clock offset: -4.299 ms
Remote clock offset: 2.922 ms

# Below is generated by plot.py at 2019-01-18 21:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 229.55 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 229.55 Mbit/s
95th percentile per-packet one-way delay: 1.161 ms
Loss rate: 0.01%
```

Run 5: Report of Indigo — Data Link

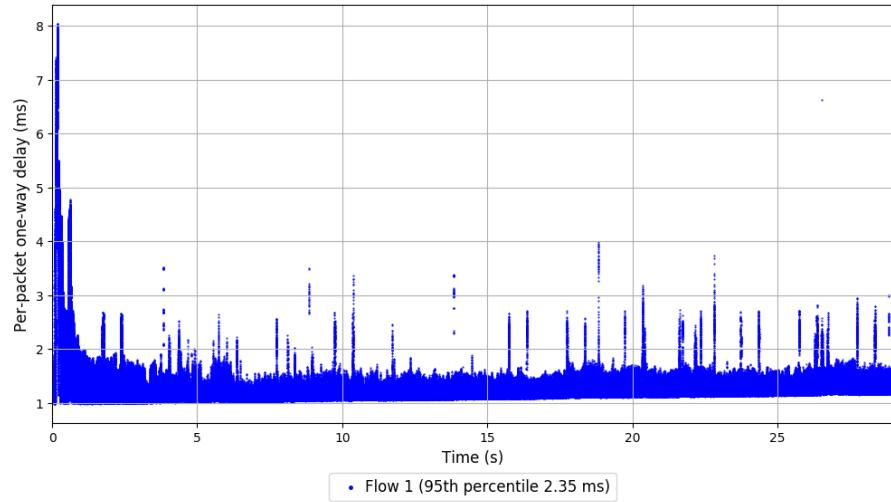
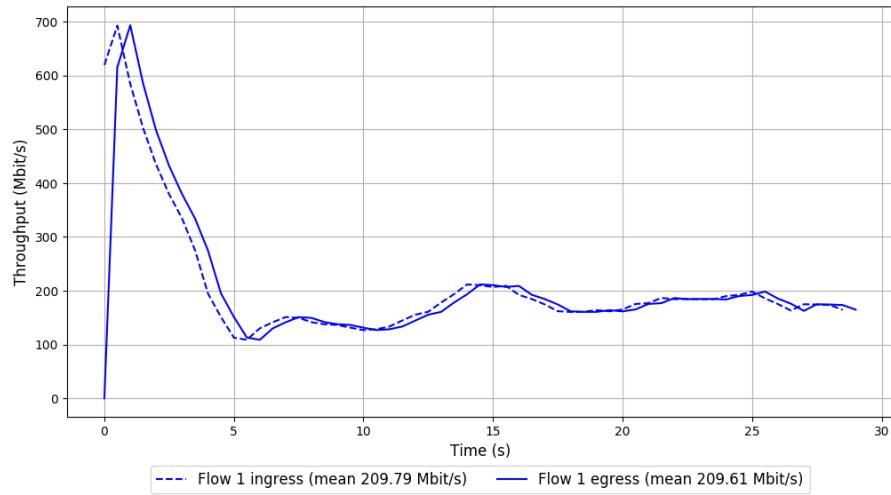


```
Run 1: Statistics of Indigo-MusesC3
```

```
Start at: 2019-01-18 18:58:54
End at: 2019-01-18 18:59:24
Local clock offset: 1.651 ms
Remote clock offset: -1.614 ms

# Below is generated by plot.py at 2019-01-18 21:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 209.61 Mbit/s
95th percentile per-packet one-way delay: 2.347 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 209.61 Mbit/s
95th percentile per-packet one-way delay: 2.347 ms
Loss rate: 0.09%
```

Run 1: Report of Indigo-MusesC3 — Data Link

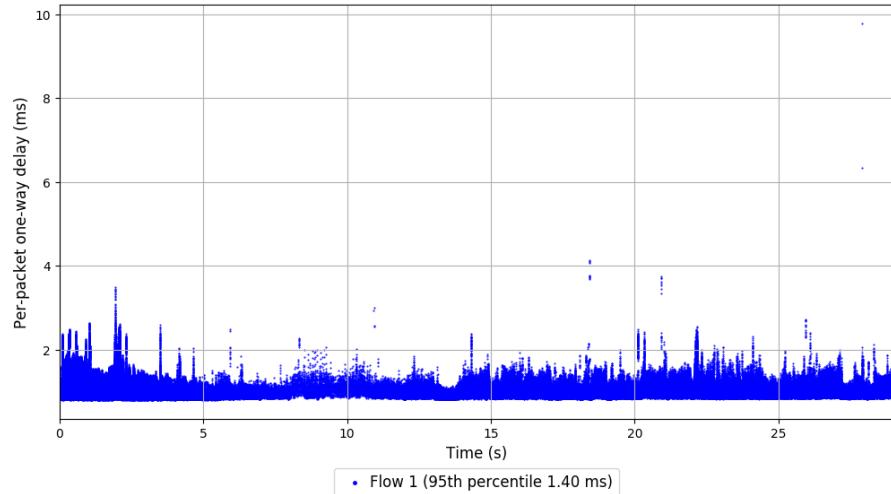
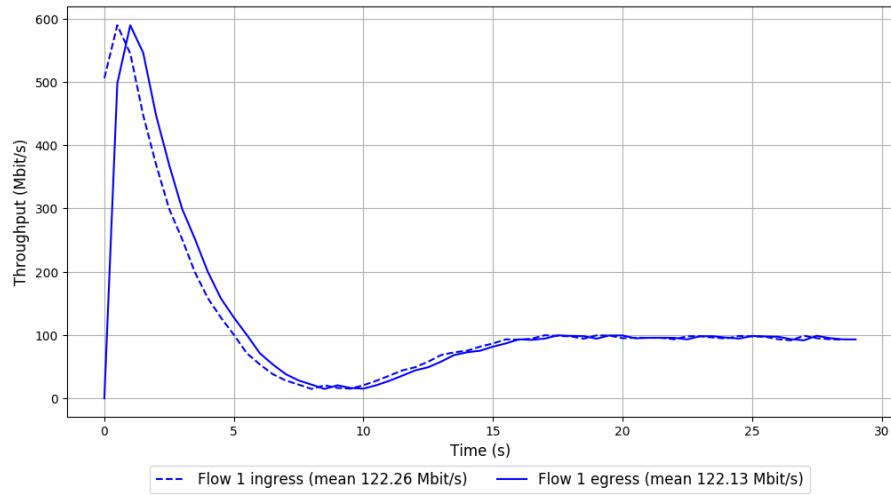


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-01-18 19:27:27
End at: 2019-01-18 19:27:57
Local clock offset: 5.783 ms
Remote clock offset: 2.997 ms

# Below is generated by plot.py at 2019-01-18 21:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 122.13 Mbit/s
95th percentile per-packet one-way delay: 1.395 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 122.13 Mbit/s
95th percentile per-packet one-way delay: 1.395 ms
Loss rate: 0.10%
```

Run 2: Report of Indigo-MusesC3 — Data Link

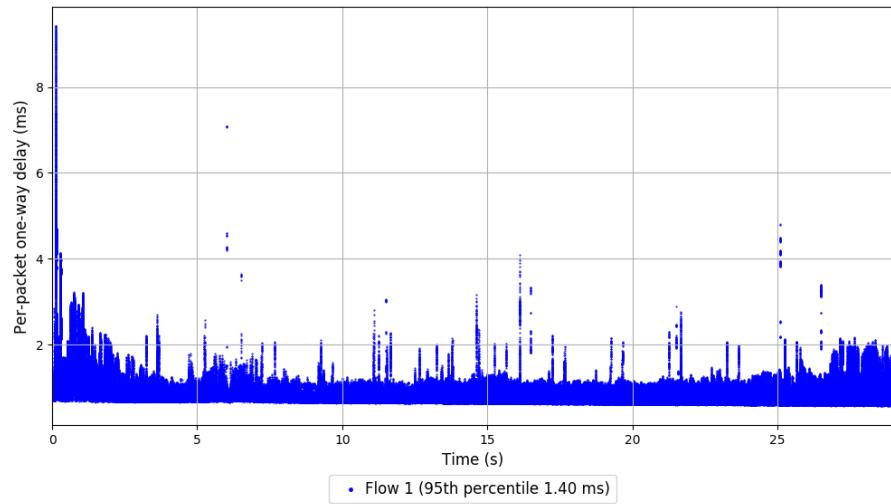
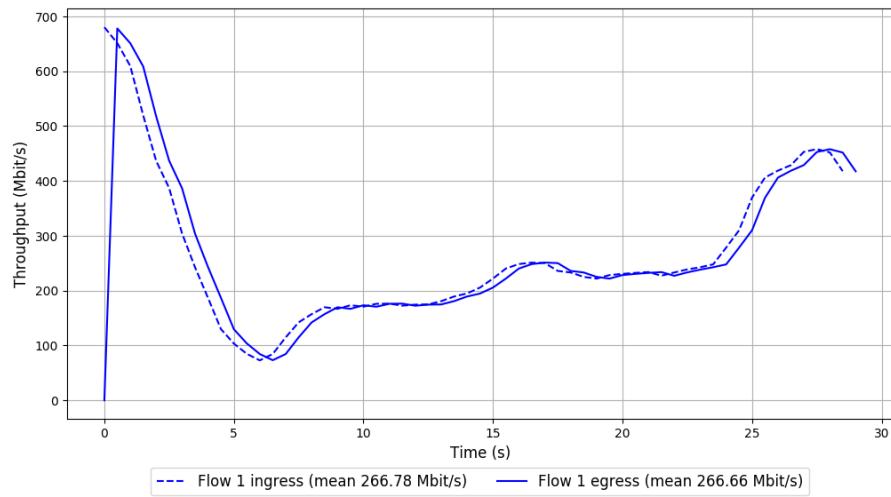


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-01-18 19:56:01
End at: 2019-01-18 19:56:31
Local clock offset: 5.044 ms
Remote clock offset: 2.707 ms

# Below is generated by plot.py at 2019-01-18 21:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 266.66 Mbit/s
95th percentile per-packet one-way delay: 1.399 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 266.66 Mbit/s
95th percentile per-packet one-way delay: 1.399 ms
Loss rate: 0.05%
```

Run 3: Report of Indigo-MusesC3 — Data Link

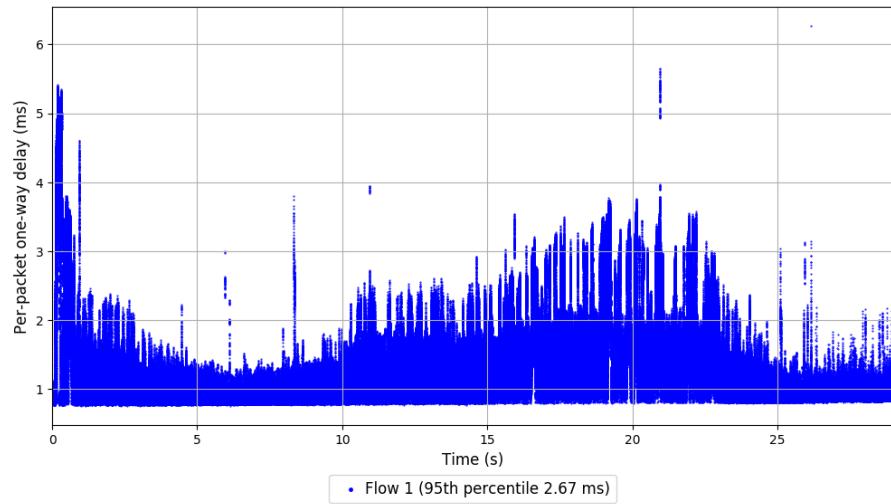
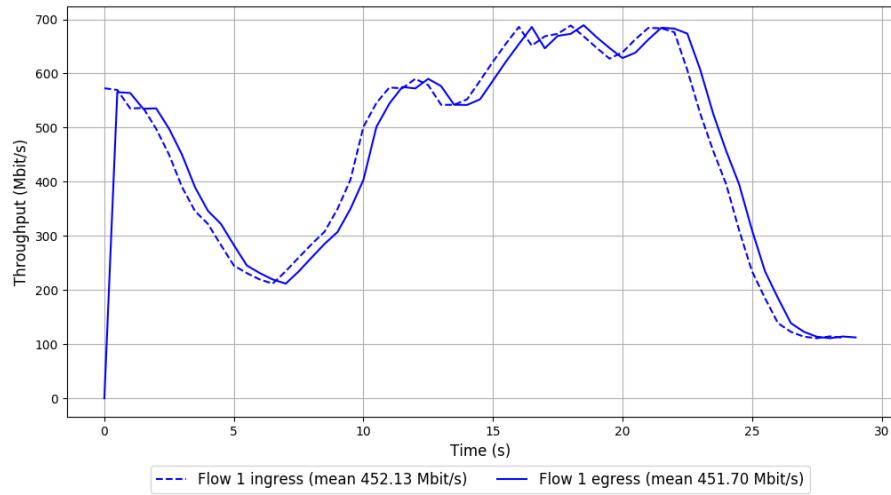


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-01-18 20:24:26
End at: 2019-01-18 20:24:56
Local clock offset: 2.831 ms
Remote clock offset: -0.286 ms

# Below is generated by plot.py at 2019-01-18 21:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 451.70 Mbit/s
95th percentile per-packet one-way delay: 2.673 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 451.70 Mbit/s
95th percentile per-packet one-way delay: 2.673 ms
Loss rate: 0.09%
```

Run 4: Report of Indigo-MusesC3 — Data Link

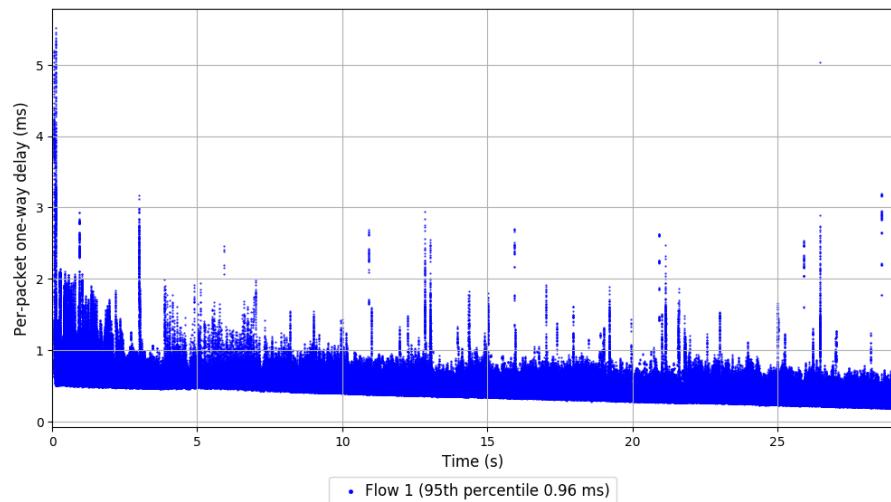
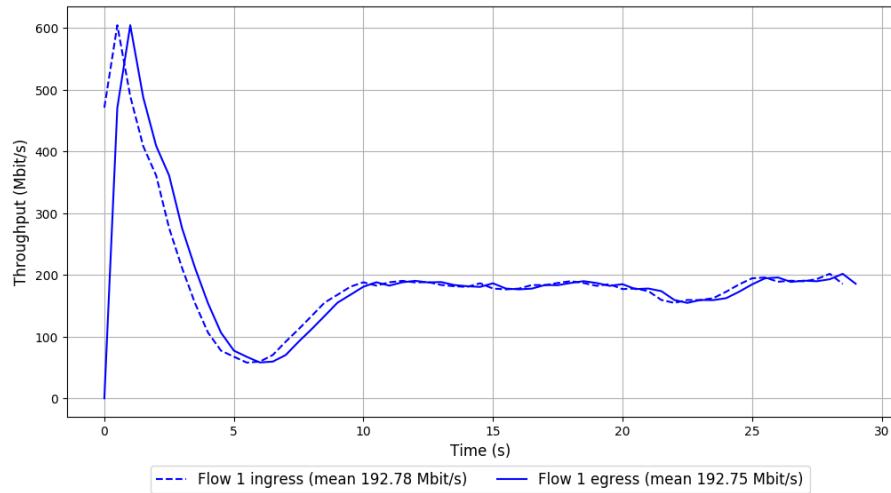


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-01-18 20:53:13
End at: 2019-01-18 20:53:43
Local clock offset: 0.461 ms
Remote clock offset: 1.422 ms

# Below is generated by plot.py at 2019-01-18 21:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 192.75 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 192.75 Mbit/s
95th percentile per-packet one-way delay: 0.963 ms
Loss rate: 0.02%
```

Run 5: Report of Indigo-MusesC3 — Data Link

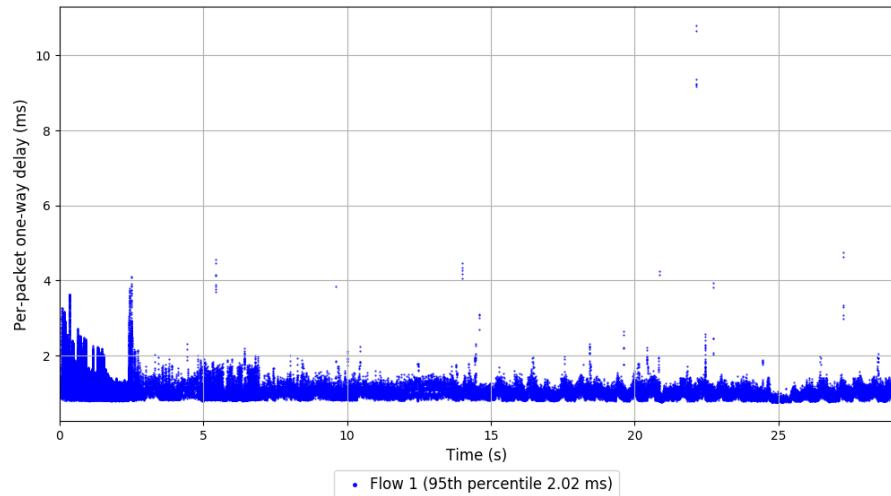
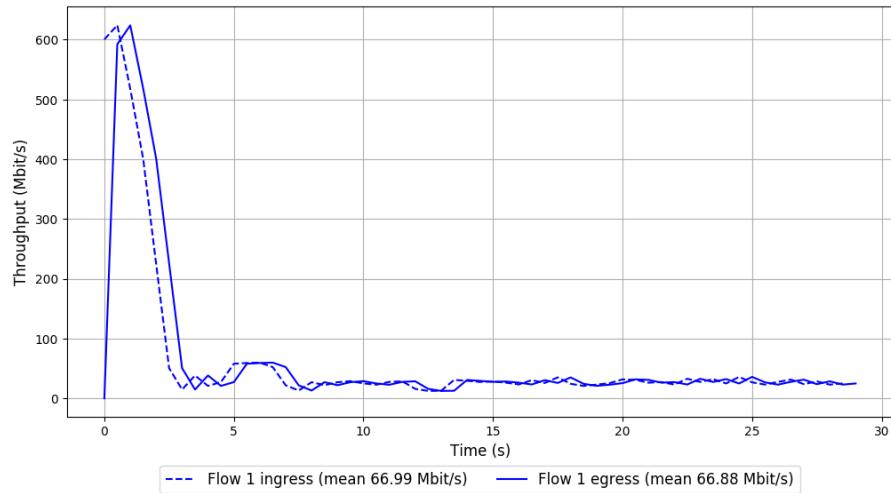


```
Run 1: Statistics of Indigo-MusesC5
```

```
Start at: 2019-01-18 19:08:32
End at: 2019-01-18 19:09:02
Local clock offset: 3.759 ms
Remote clock offset: 0.95 ms

# Below is generated by plot.py at 2019-01-18 21:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.88 Mbit/s
95th percentile per-packet one-way delay: 2.024 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 66.88 Mbit/s
95th percentile per-packet one-way delay: 2.024 ms
Loss rate: 0.16%
```

Run 1: Report of Indigo-MusesC5 — Data Link

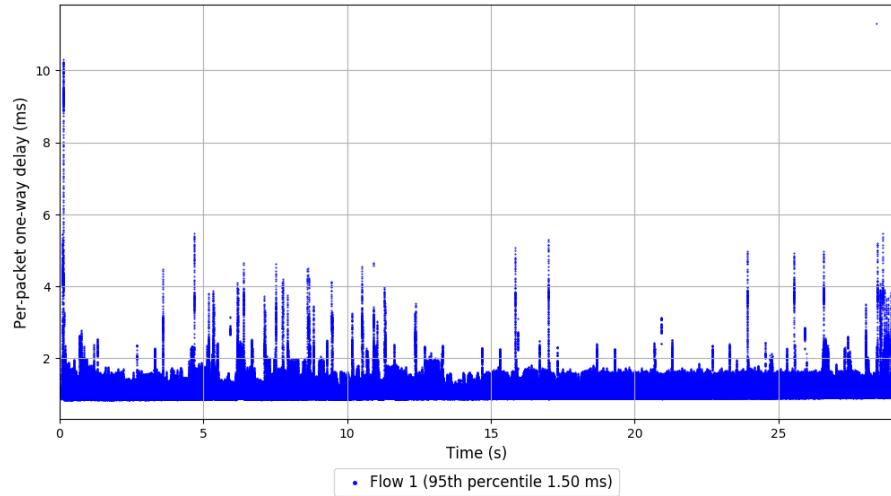
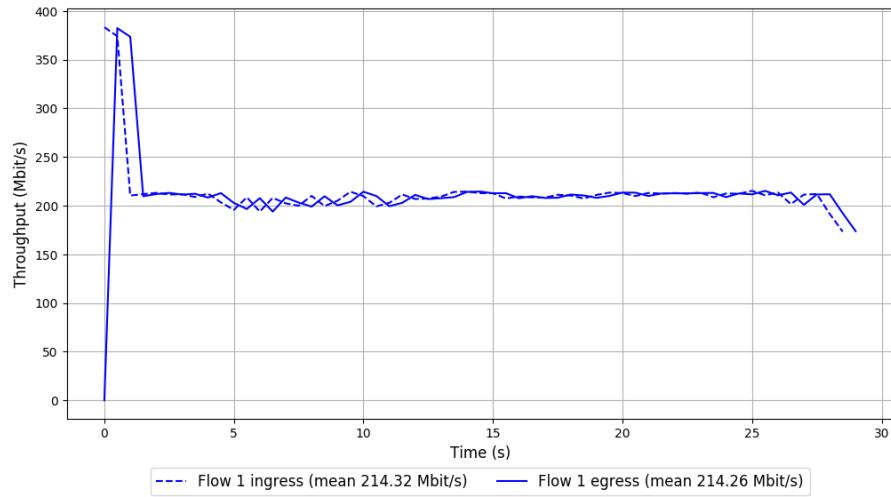


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-01-18 19:37:13
End at: 2019-01-18 19:37:43
Local clock offset: 6.509 ms
Remote clock offset: 3.101 ms

# Below is generated by plot.py at 2019-01-18 21:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 214.26 Mbit/s
95th percentile per-packet one-way delay: 1.499 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 214.26 Mbit/s
95th percentile per-packet one-way delay: 1.499 ms
Loss rate: 0.03%
```

Run 2: Report of Indigo-MusesC5 — Data Link

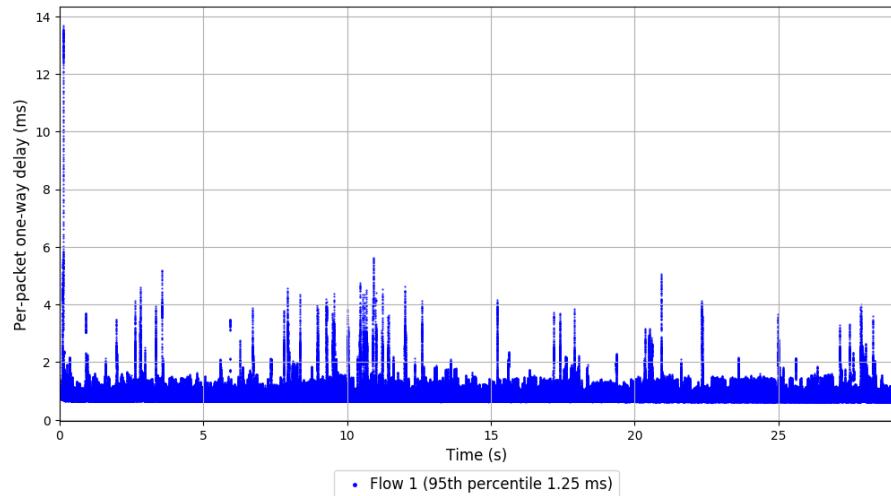
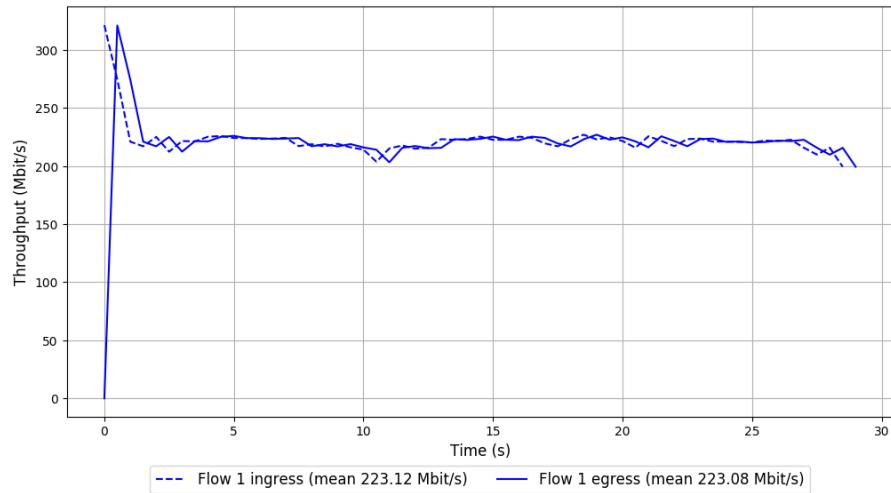


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-01-18 20:05:38
End at: 2019-01-18 20:06:08
Local clock offset: 3.478 ms
Remote clock offset: 2.463 ms

# Below is generated by plot.py at 2019-01-18 21:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.08 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 223.08 Mbit/s
95th percentile per-packet one-way delay: 1.247 ms
Loss rate: 0.02%
```

Run 3: Report of Indigo-MusesC5 — Data Link

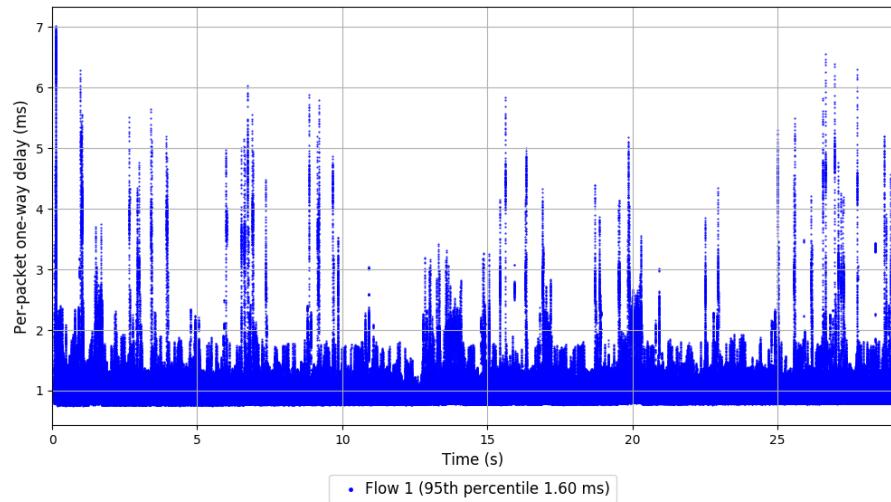
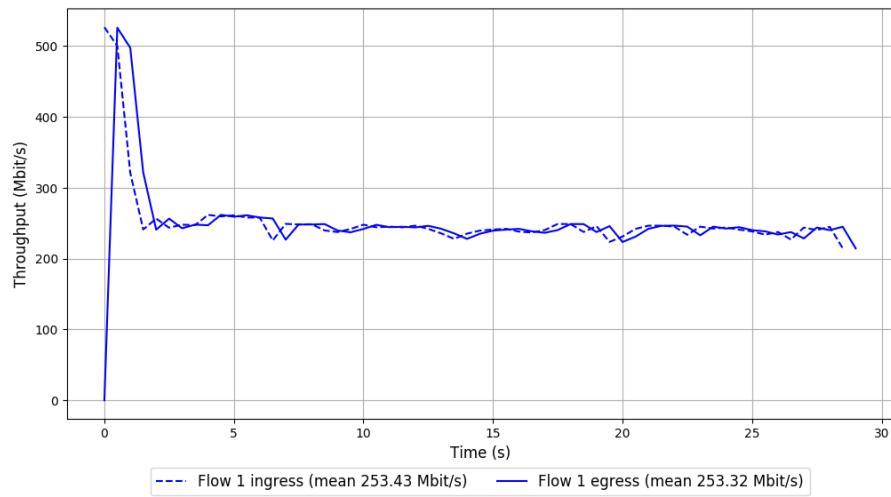


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-01-18 20:34:14
End at: 2019-01-18 20:34:44
Local clock offset: 2.811 ms
Remote clock offset: -1.069 ms

# Below is generated by plot.py at 2019-01-18 21:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 253.32 Mbit/s
95th percentile per-packet one-way delay: 1.605 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 253.32 Mbit/s
95th percentile per-packet one-way delay: 1.605 ms
Loss rate: 0.04%
```

Run 4: Report of Indigo-MusesC5 — Data Link

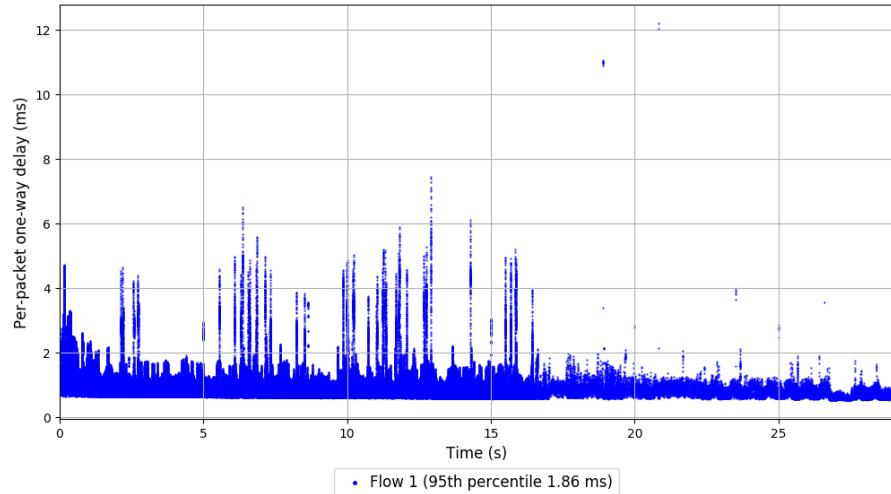
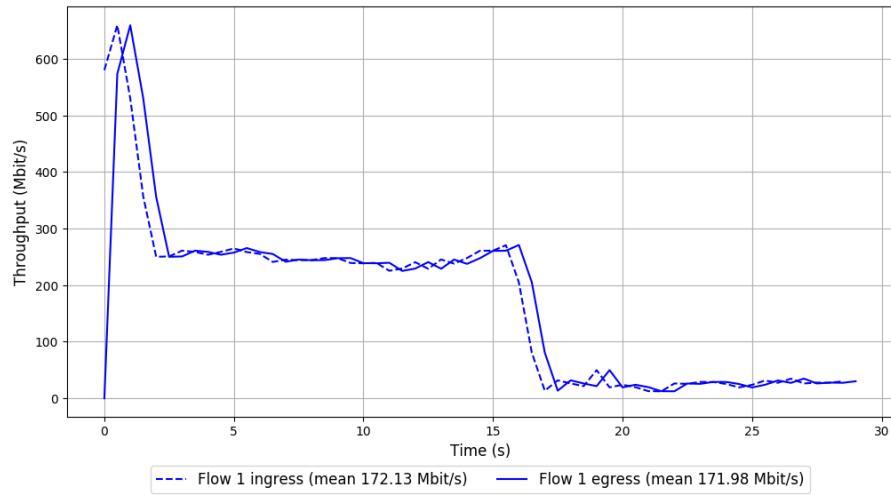


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-01-18 21:02:59
End at: 2019-01-18 21:03:29
Local clock offset: -2.865 ms
Remote clock offset: 2.586 ms

# Below is generated by plot.py at 2019-01-18 21:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 171.98 Mbit/s
95th percentile per-packet one-way delay: 1.863 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 171.98 Mbit/s
95th percentile per-packet one-way delay: 1.863 ms
Loss rate: 0.08%
```

Run 5: Report of Indigo-MusesC5 — Data Link

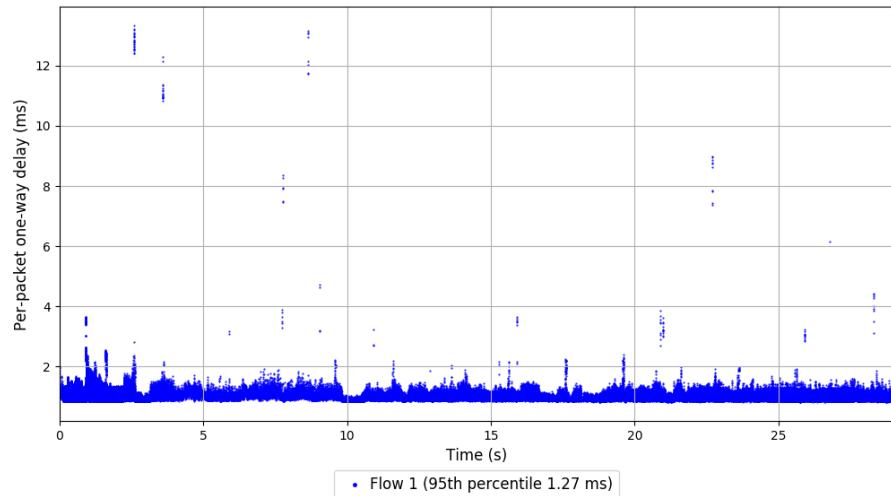
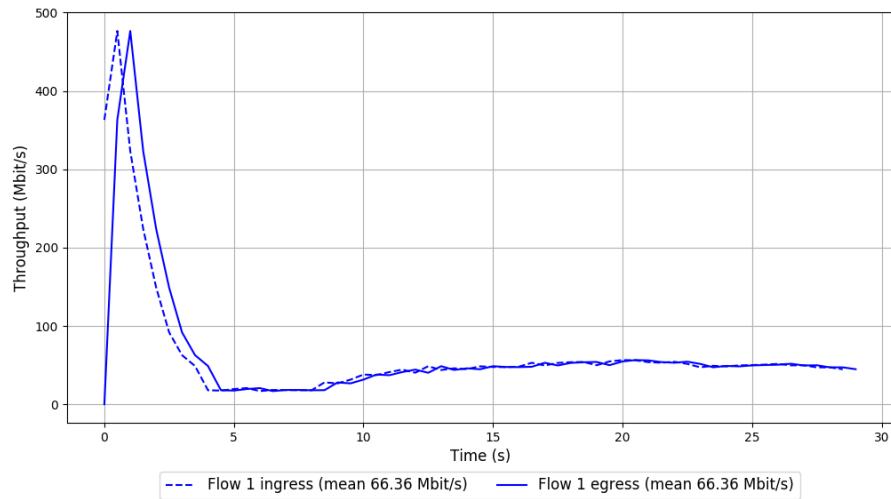


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-01-18 19:09:46
End at: 2019-01-18 19:10:16
Local clock offset: 3.979 ms
Remote clock offset: 1.323 ms

# Below is generated by plot.py at 2019-01-18 21:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.36 Mbit/s
95th percentile per-packet one-way delay: 1.275 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.36 Mbit/s
95th percentile per-packet one-way delay: 1.275 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesD — Data Link

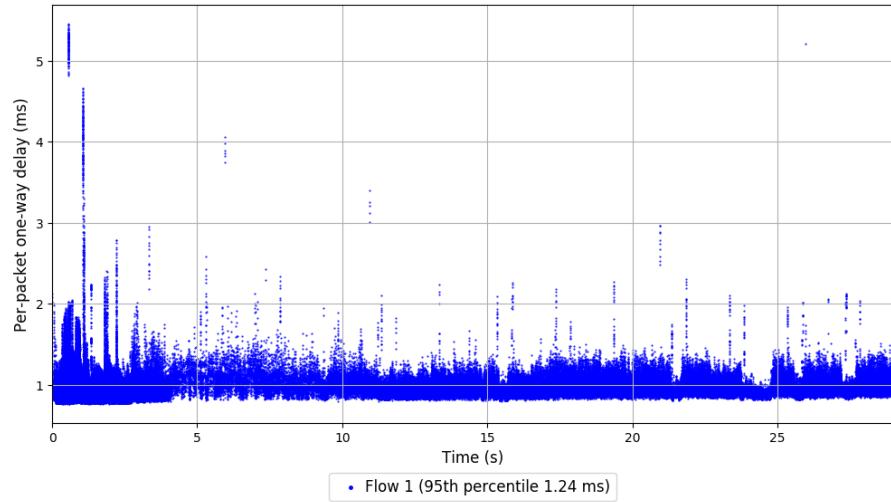
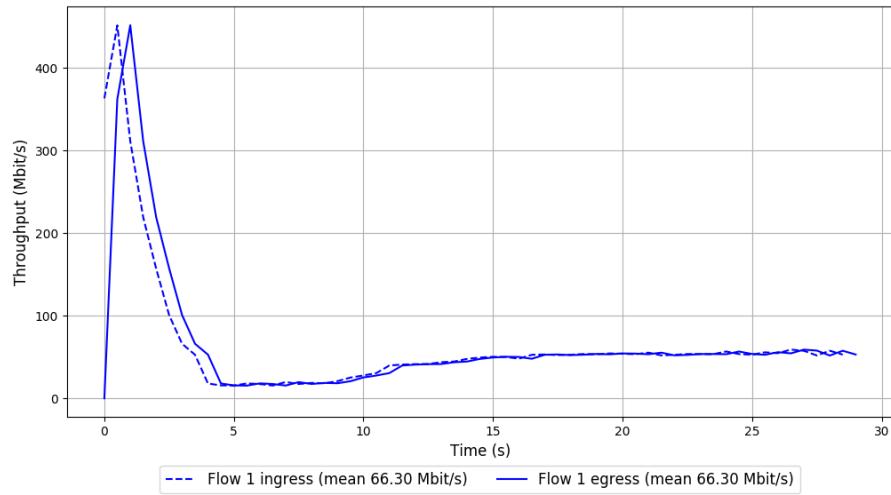


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-01-18 19:38:32
End at: 2019-01-18 19:39:02
Local clock offset: 6.62 ms
Remote clock offset: 2.987 ms

# Below is generated by plot.py at 2019-01-18 21:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.30 Mbit/s
95th percentile per-packet one-way delay: 1.236 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.30 Mbit/s
95th percentile per-packet one-way delay: 1.236 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-MusesD — Data Link

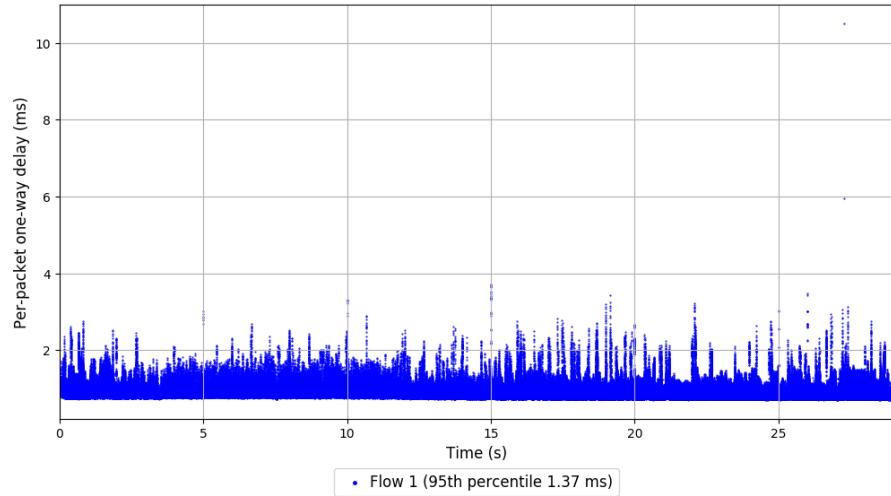
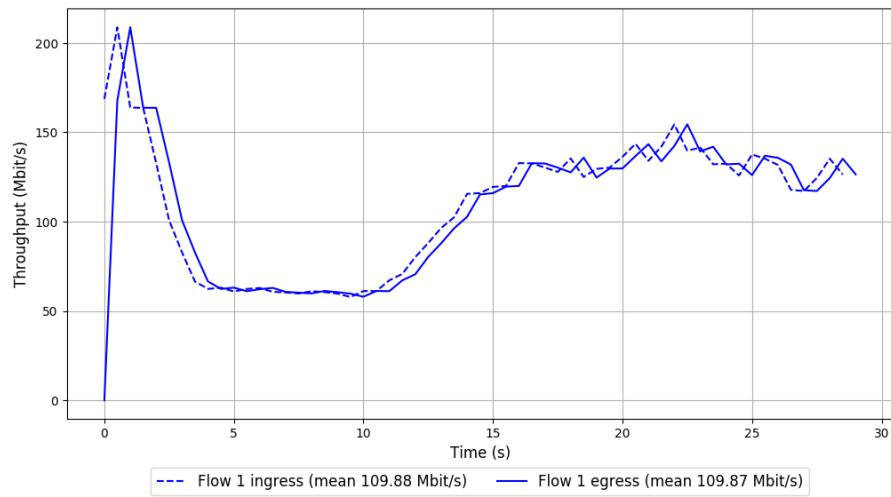


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-01-18 20:06:57
End at: 2019-01-18 20:07:27
Local clock offset: 3.378 ms
Remote clock offset: 2.536 ms

# Below is generated by plot.py at 2019-01-18 21:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 109.87 Mbit/s
95th percentile per-packet one-way delay: 1.368 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 109.87 Mbit/s
95th percentile per-packet one-way delay: 1.368 ms
Loss rate: 0.01%
```

Run 3: Report of Indigo-MusesD — Data Link

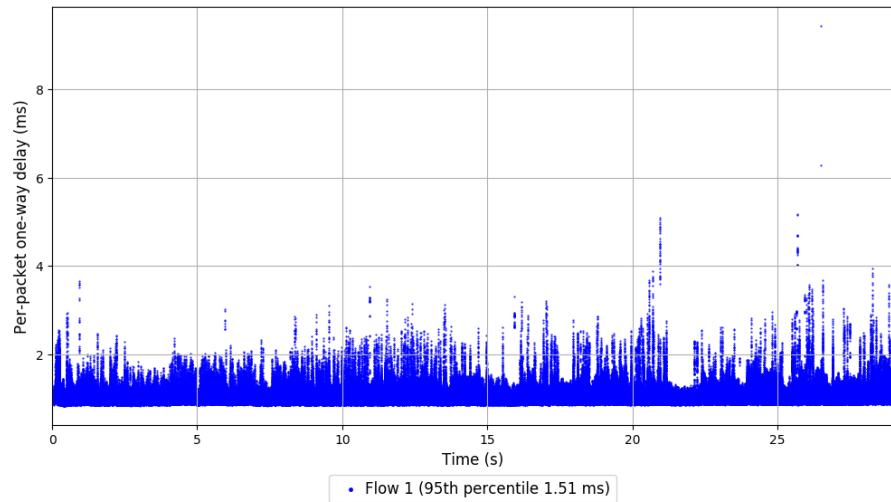
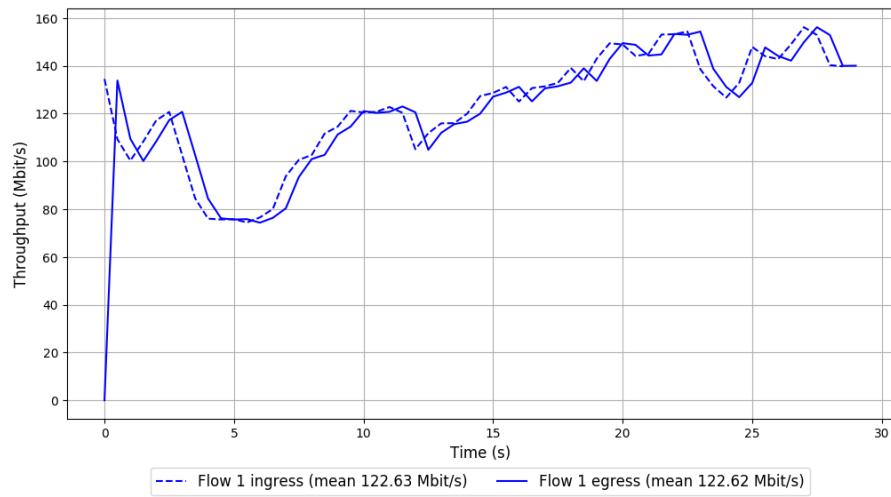


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-01-18 20:35:35
End at: 2019-01-18 20:36:05
Local clock offset: 2.803 ms
Remote clock offset: -1.055 ms

# Below is generated by plot.py at 2019-01-18 21:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 122.62 Mbit/s
95th percentile per-packet one-way delay: 1.508 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 122.62 Mbit/s
95th percentile per-packet one-way delay: 1.508 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo-MusesD — Data Link

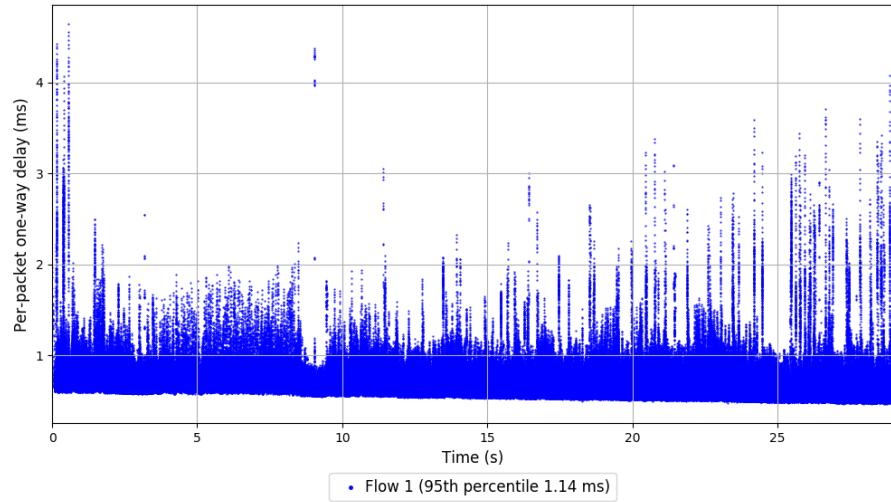
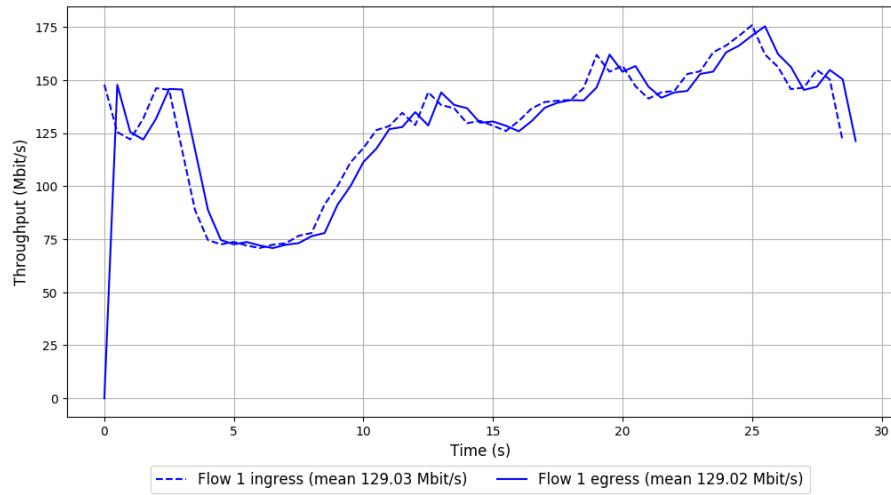


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-01-18 21:04:18
End at: 2019-01-18 21:04:48
Local clock offset: -3.119 ms
Remote clock offset: 2.625 ms

# Below is generated by plot.py at 2019-01-18 21:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 129.02 Mbit/s
95th percentile per-packet one-way delay: 1.136 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 129.02 Mbit/s
95th percentile per-packet one-way delay: 1.136 ms
Loss rate: 0.01%
```

Run 5: Report of Indigo-MusesD — Data Link

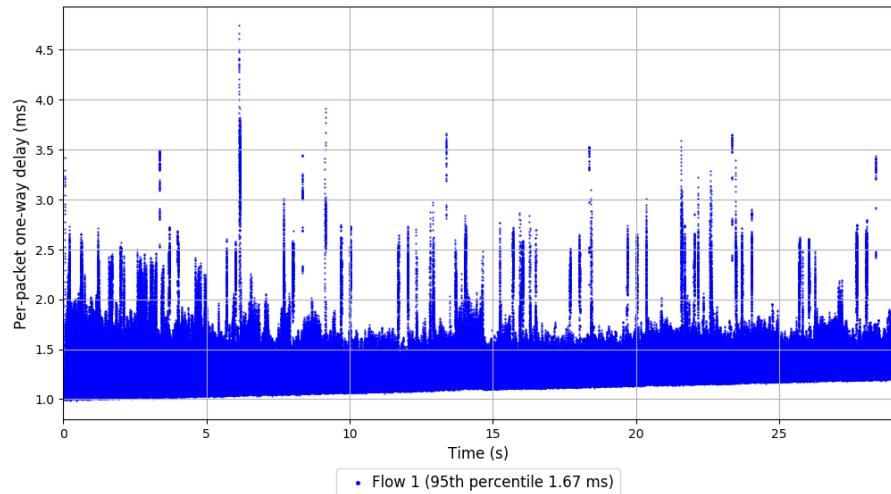
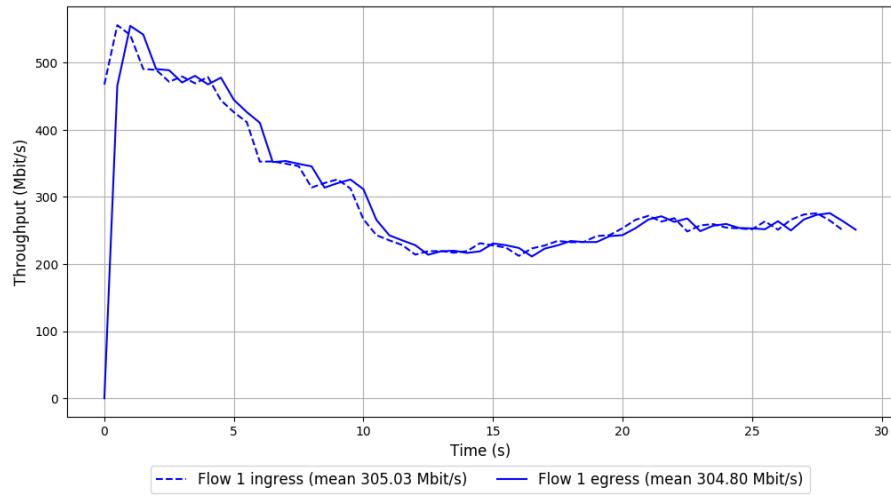


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-01-18 18:57:31
End at: 2019-01-18 18:58:01
Local clock offset: 1.144 ms
Remote clock offset: -1.538 ms

# Below is generated by plot.py at 2019-01-18 21:48:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 304.80 Mbit/s
95th percentile per-packet one-way delay: 1.668 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 304.80 Mbit/s
95th percentile per-packet one-way delay: 1.668 ms
Loss rate: 0.07%
```

Run 1: Report of Indigo-MusesT — Data Link

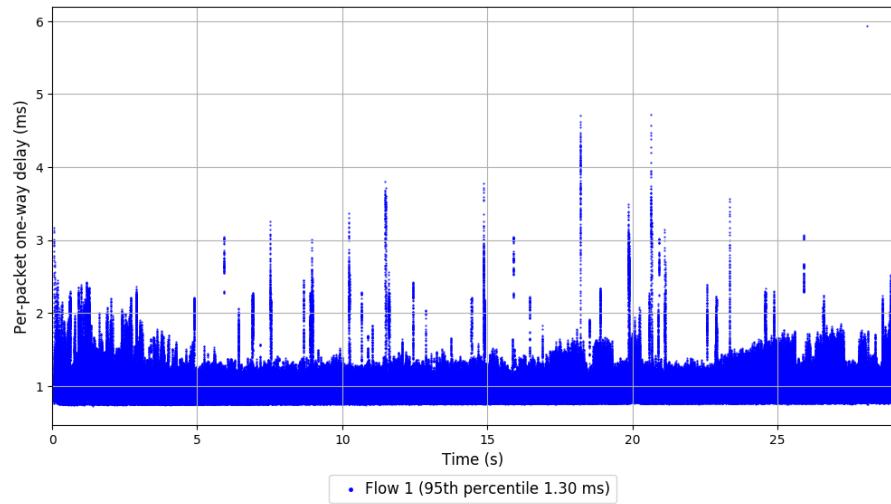
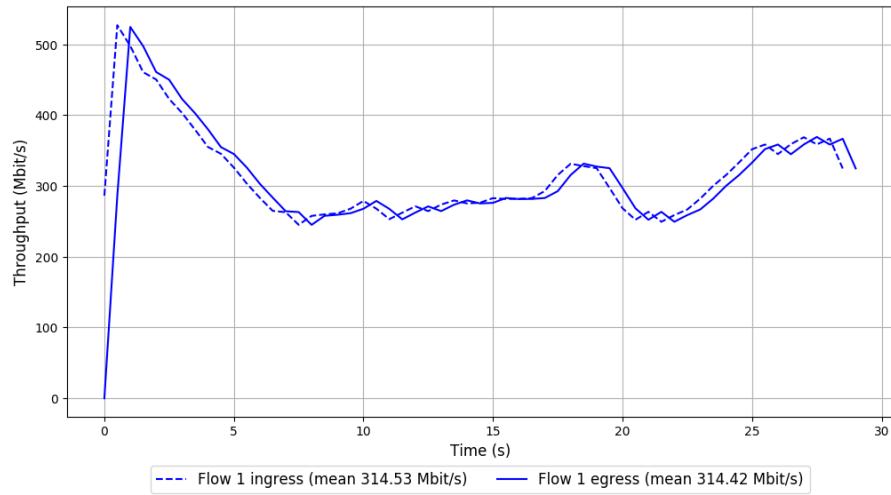


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-01-18 19:26:04
End at: 2019-01-18 19:26:34
Local clock offset: 5.663 ms
Remote clock offset: 2.88 ms

# Below is generated by plot.py at 2019-01-18 21:49:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 314.42 Mbit/s
95th percentile per-packet one-way delay: 1.298 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 314.42 Mbit/s
95th percentile per-packet one-way delay: 1.298 ms
Loss rate: 0.04%
```

Run 2: Report of Indigo-MusesT — Data Link

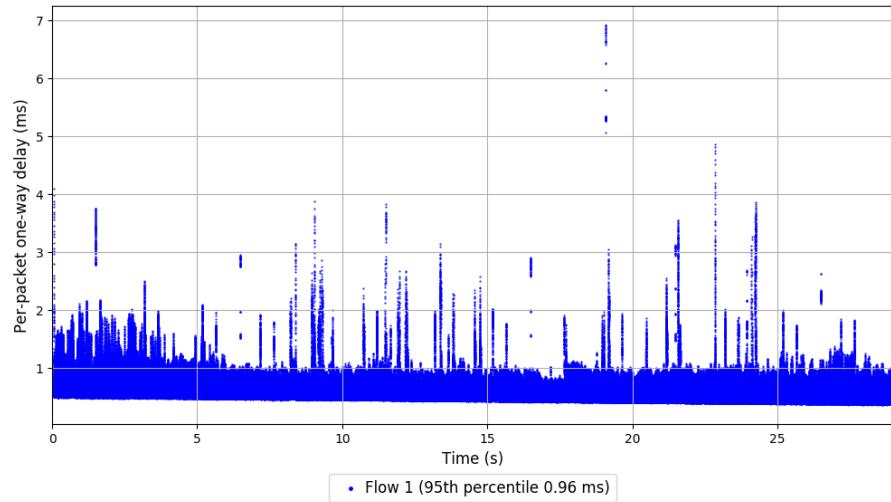
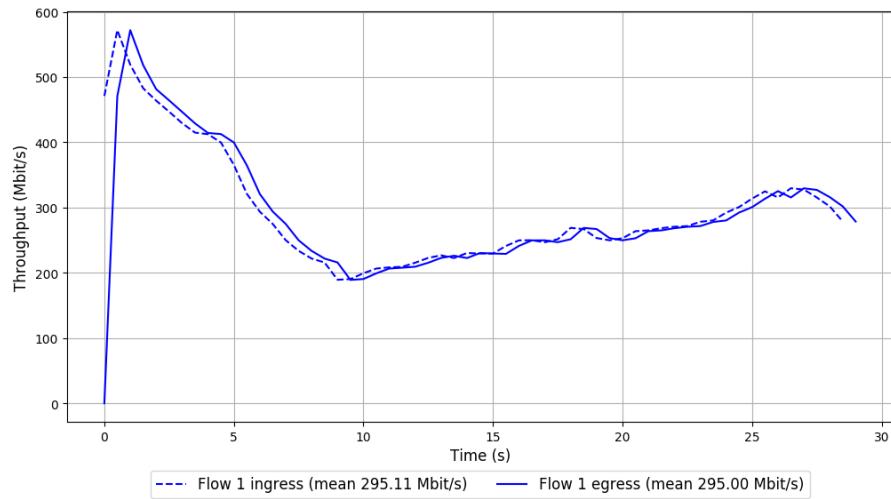


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-01-18 19:54:39
End at: 2019-01-18 19:55:09
Local clock offset: 5.416 ms
Remote clock offset: 2.555 ms

# Below is generated by plot.py at 2019-01-18 21:49:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 295.00 Mbit/s
95th percentile per-packet one-way delay: 0.965 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 295.00 Mbit/s
95th percentile per-packet one-way delay: 0.965 ms
Loss rate: 0.04%
```

Run 3: Report of Indigo-MusesT — Data Link

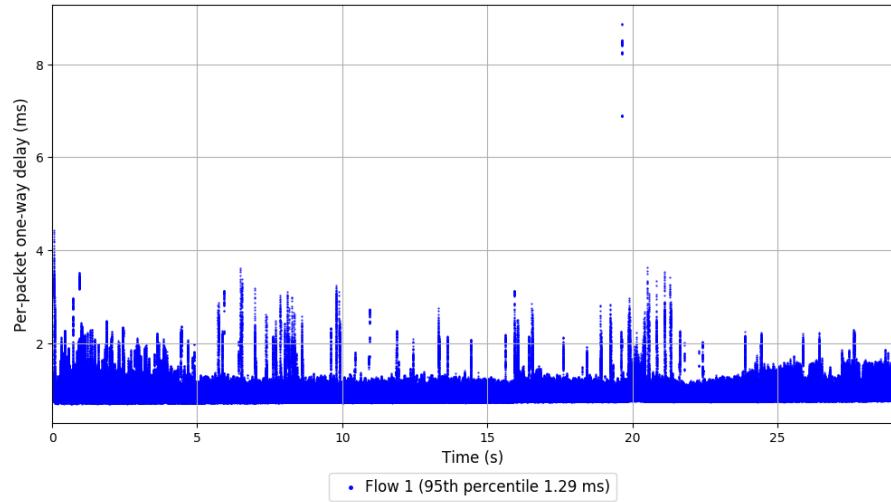
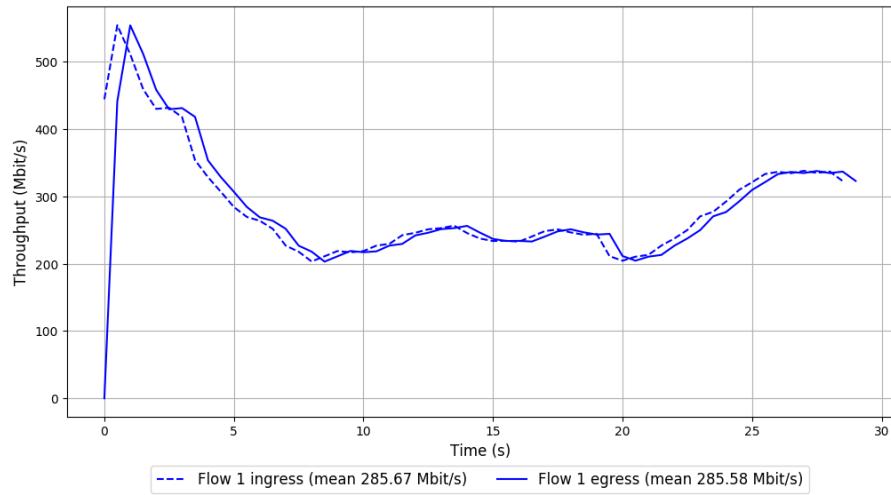


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-01-18 20:23:05
End at: 2019-01-18 20:23:35
Local clock offset: 2.817 ms
Remote clock offset: -0.226 ms

# Below is generated by plot.py at 2019-01-18 21:49:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 285.58 Mbit/s
95th percentile per-packet one-way delay: 1.287 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 285.58 Mbit/s
95th percentile per-packet one-way delay: 1.287 ms
Loss rate: 0.03%
```

Run 4: Report of Indigo-MusesT — Data Link

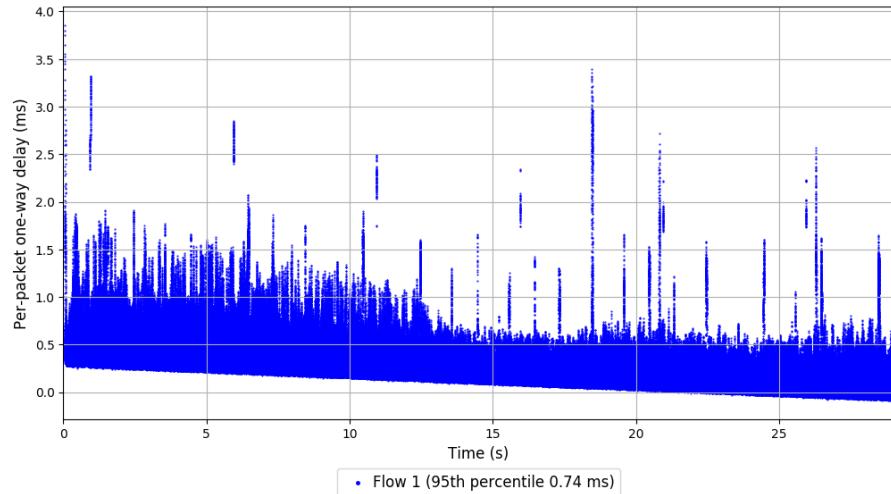
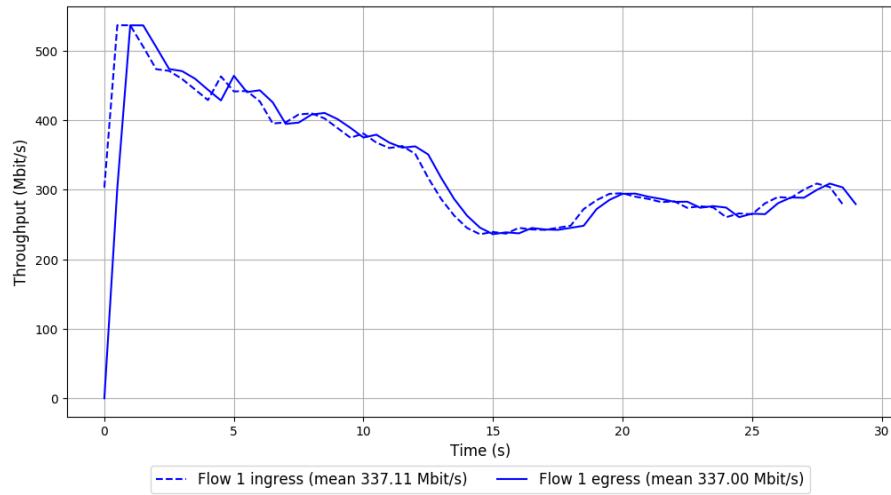


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-01-18 20:51:50
End at: 2019-01-18 20:52:20
Local clock offset: 1.359 ms
Remote clock offset: 1.082 ms

# Below is generated by plot.py at 2019-01-18 21:50:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 337.00 Mbit/s
95th percentile per-packet one-way delay: 0.736 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 337.00 Mbit/s
95th percentile per-packet one-way delay: 0.736 ms
Loss rate: 0.04%
```

Run 5: Report of Indigo-MusesT — Data Link

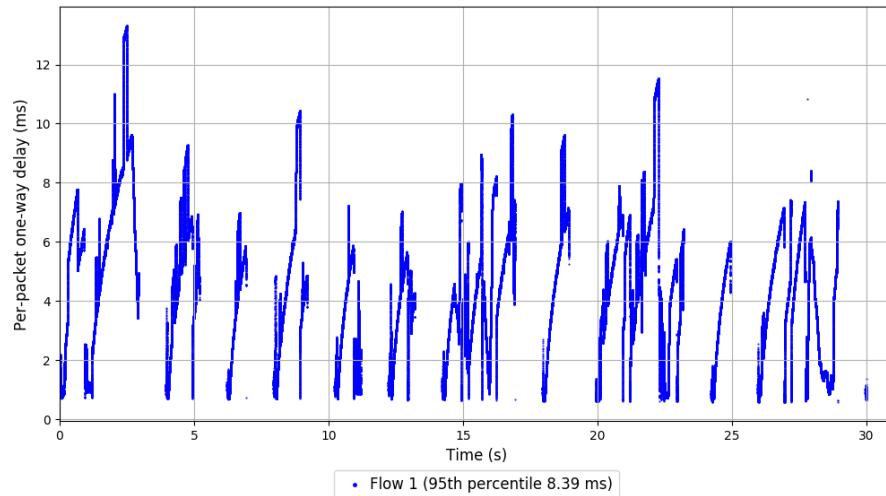
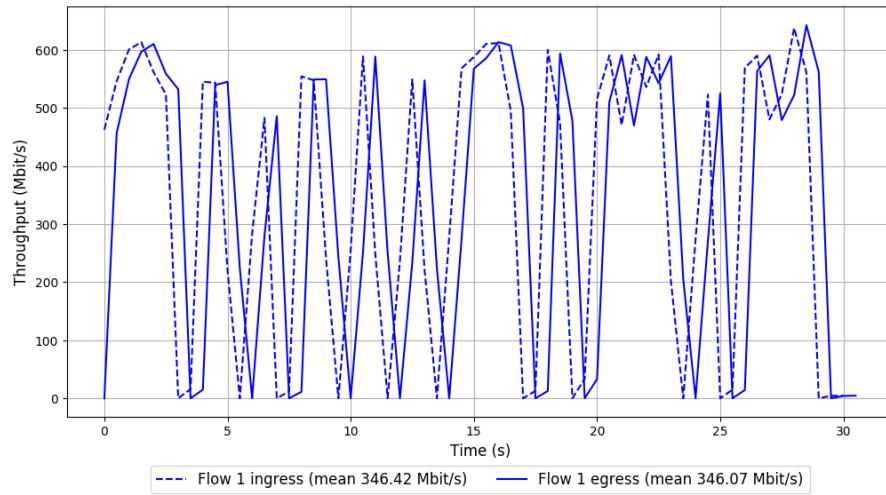


```
Run 1: Statistics of LEDBAT

Start at: 2019-01-18 19:01:38
End at: 2019-01-18 19:02:08
Local clock offset: 2.429 ms
Remote clock offset: -1.843 ms

# Below is generated by plot.py at 2019-01-18 21:50:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 346.07 Mbit/s
95th percentile per-packet one-way delay: 8.394 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 346.07 Mbit/s
95th percentile per-packet one-way delay: 8.394 ms
Loss rate: 0.10%
```

Run 1: Report of LEDBAT — Data Link

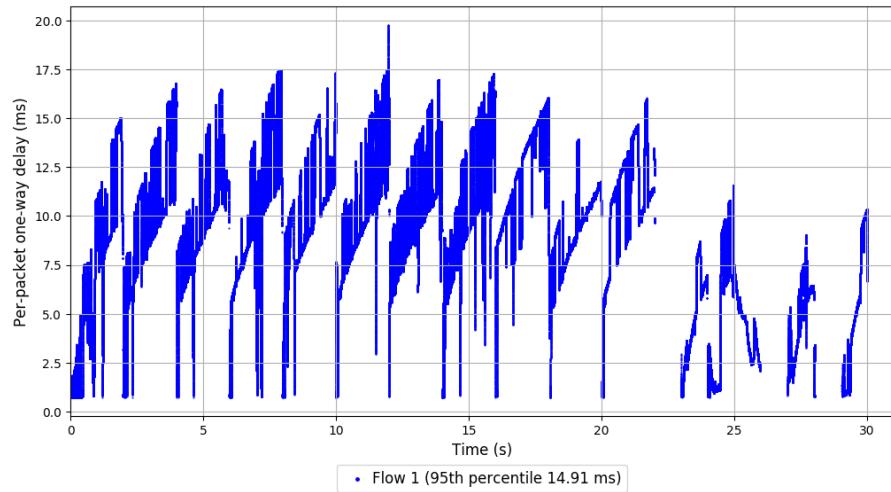
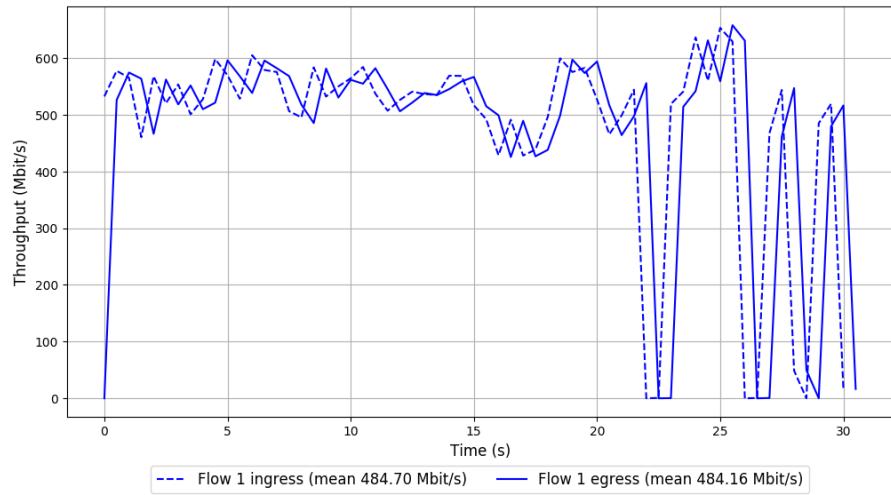


Run 2: Statistics of LEDBAT

```
Start at: 2019-01-18 19:30:12
End at: 2019-01-18 19:30:42
Local clock offset: 5.999 ms
Remote clock offset: 2.994 ms

# Below is generated by plot.py at 2019-01-18 21:53:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 484.16 Mbit/s
95th percentile per-packet one-way delay: 14.912 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 484.16 Mbit/s
95th percentile per-packet one-way delay: 14.912 ms
Loss rate: 0.11%
```

Run 2: Report of LEDBAT — Data Link

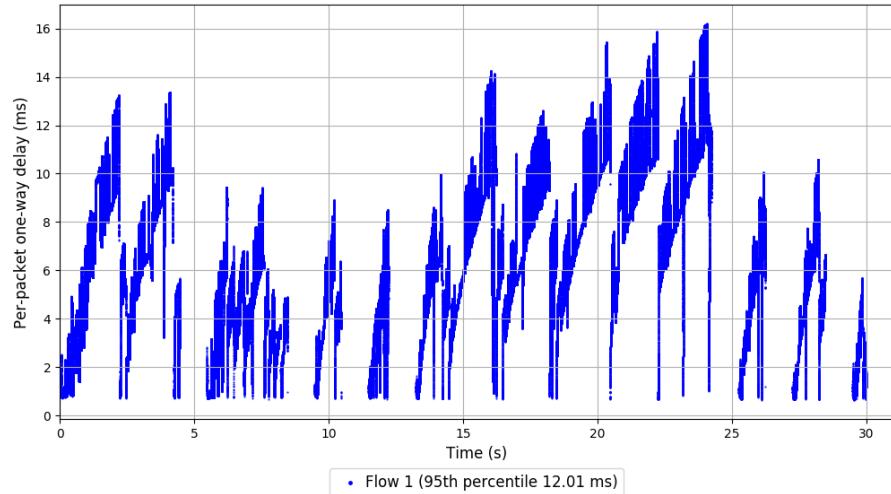
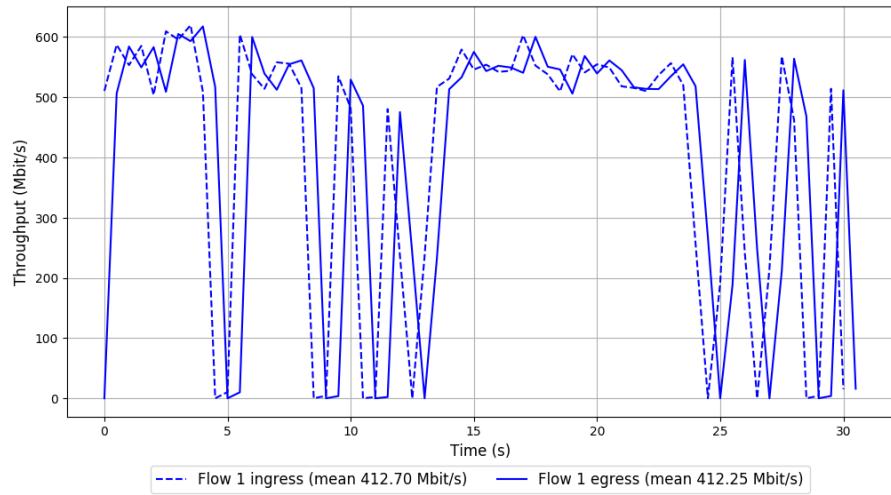


Run 3: Statistics of LEDBAT

```
Start at: 2019-01-18 19:58:46
End at: 2019-01-18 19:59:16
Local clock offset: 4.392 ms
Remote clock offset: 2.668 ms

# Below is generated by plot.py at 2019-01-18 21:53:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 412.25 Mbit/s
95th percentile per-packet one-way delay: 12.006 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 412.25 Mbit/s
95th percentile per-packet one-way delay: 12.006 ms
Loss rate: 0.11%
```

Run 3: Report of LEDBAT — Data Link

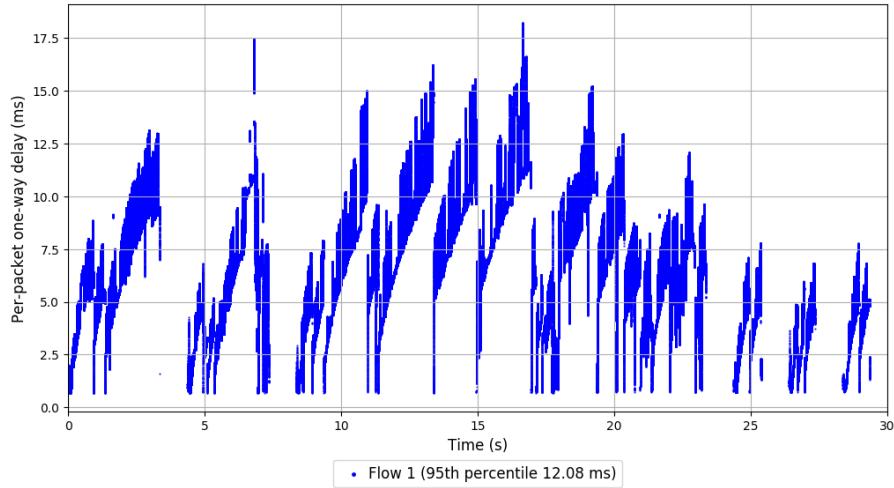
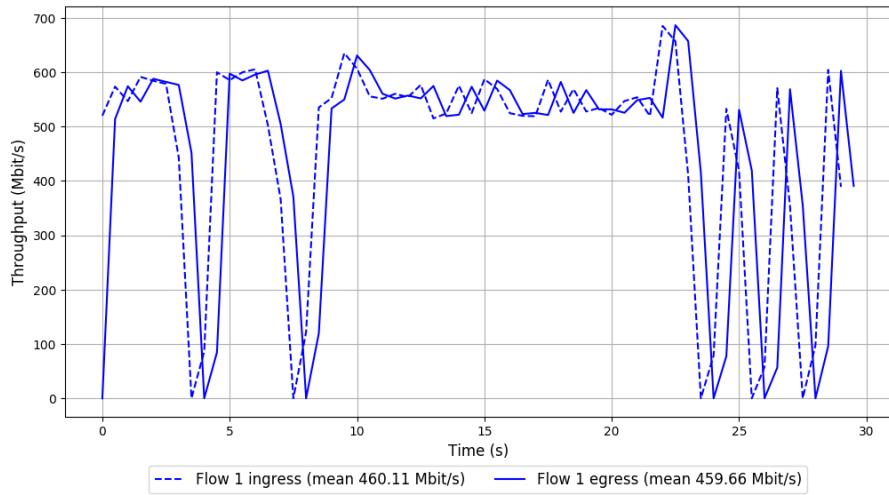


Run 4: Statistics of LEDBAT

```
Start at: 2019-01-18 20:27:21
End at: 2019-01-18 20:27:51
Local clock offset: 2.829 ms
Remote clock offset: -0.651 ms

# Below is generated by plot.py at 2019-01-18 21:53:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 459.66 Mbit/s
95th percentile per-packet one-way delay: 12.076 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 459.66 Mbit/s
95th percentile per-packet one-way delay: 12.076 ms
Loss rate: 0.10%
```

Run 4: Report of LEDBAT — Data Link

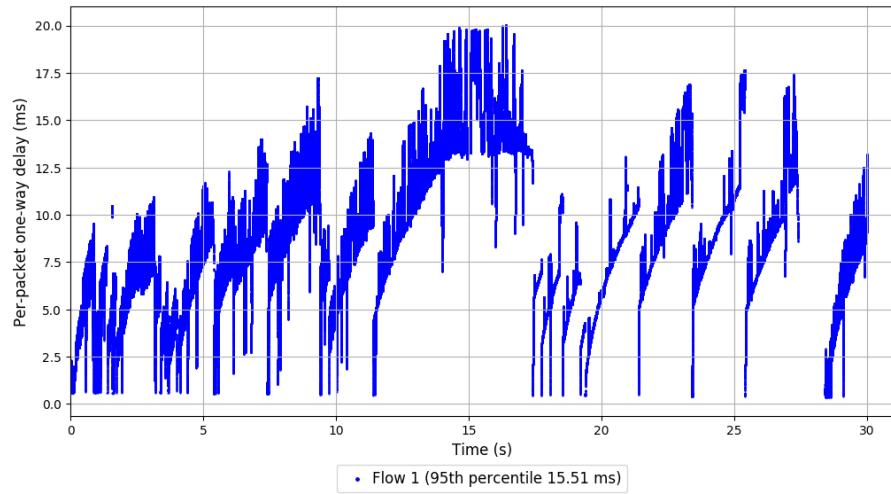
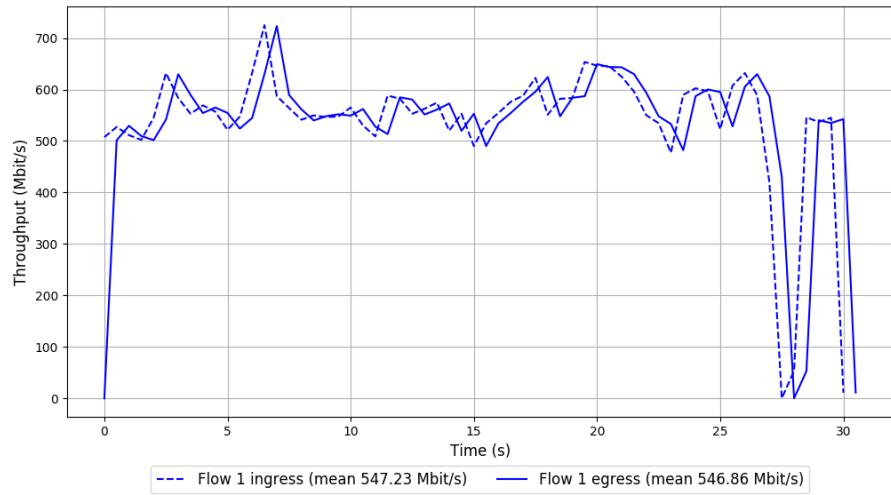


Run 5: Statistics of LEDBAT

```
Start at: 2019-01-18 20:55:57
End at: 2019-01-18 20:56:27
Local clock offset: -0.768 ms
Remote clock offset: 1.881 ms

# Below is generated by plot.py at 2019-01-18 21:55:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 546.86 Mbit/s
95th percentile per-packet one-way delay: 15.513 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 546.86 Mbit/s
95th percentile per-packet one-way delay: 15.513 ms
Loss rate: 0.07%
```

Run 5: Report of LEDBAT — Data Link

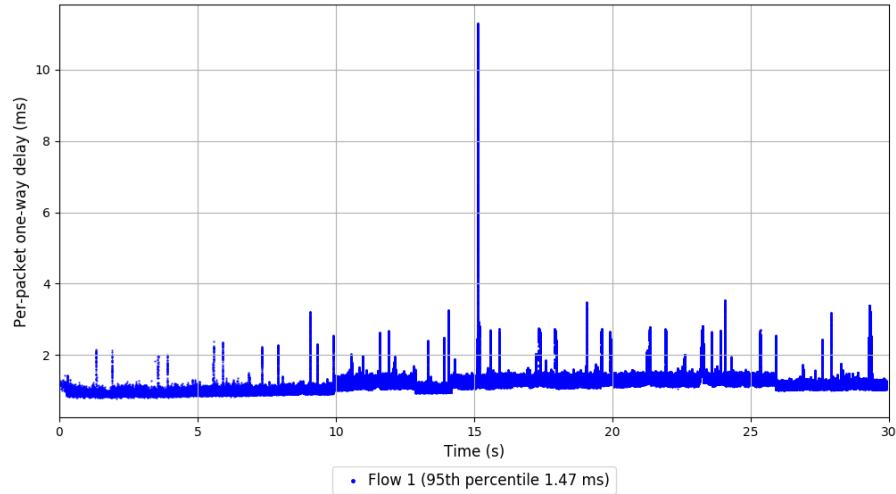
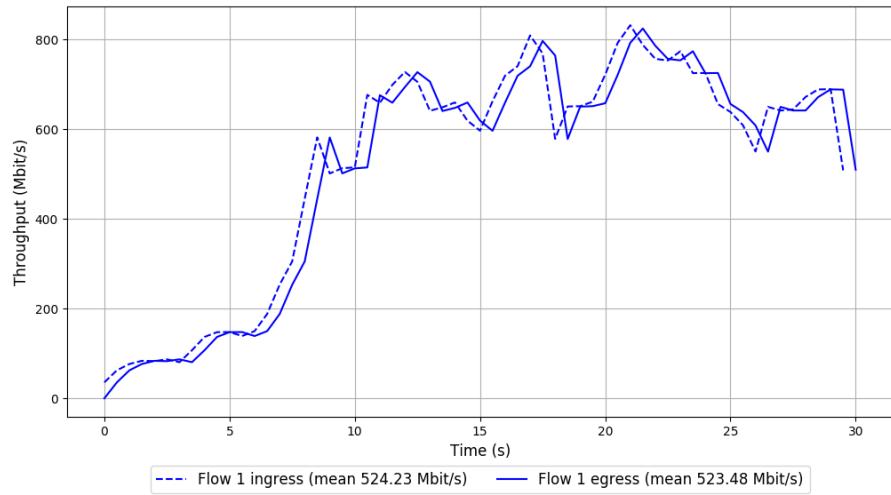


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-01-18 19:00:13
End at: 2019-01-18 19:00:43
Local clock offset: 2.042 ms
Remote clock offset: -1.81 ms

# Below is generated by plot.py at 2019-01-18 21:55:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 523.48 Mbit/s
95th percentile per-packet one-way delay: 1.469 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 523.48 Mbit/s
95th percentile per-packet one-way delay: 1.469 ms
Loss rate: 0.14%
```

Run 1: Report of PCC-Allegro — Data Link

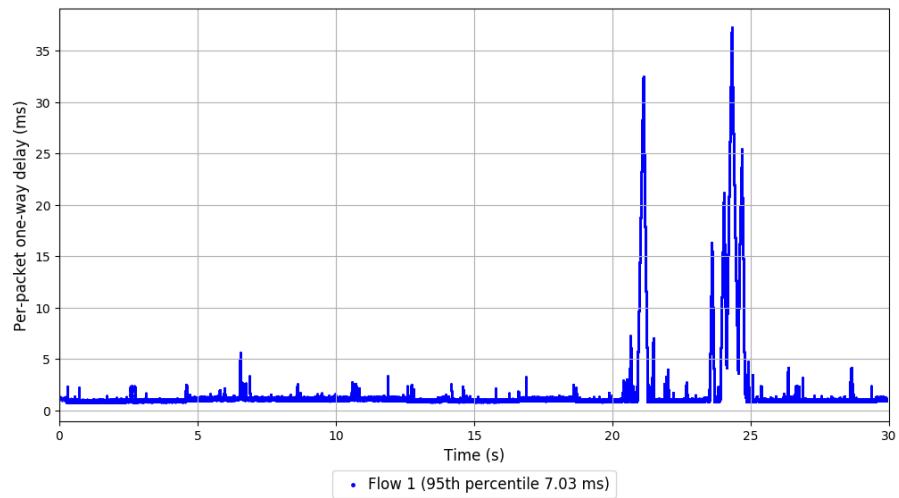
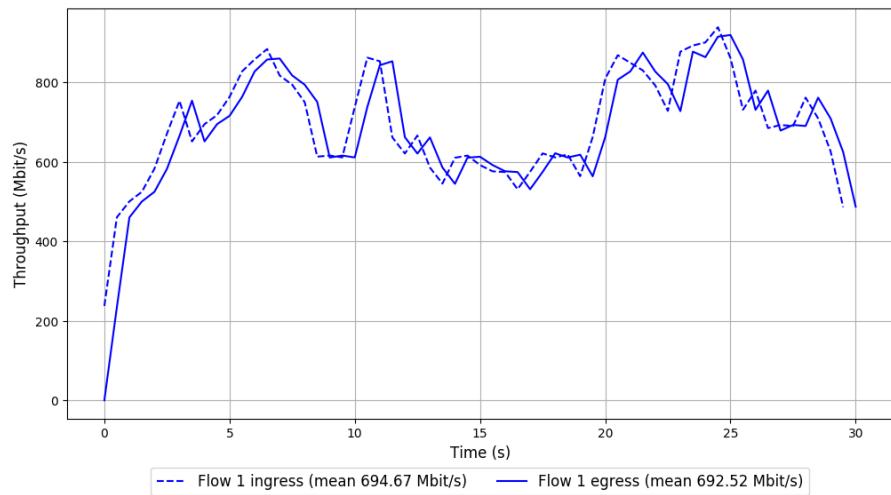


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-01-18 19:28:43
End at: 2019-01-18 19:29:13
Local clock offset: 5.887 ms
Remote clock offset: 3.04 ms

# Below is generated by plot.py at 2019-01-18 21:57:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 692.52 Mbit/s
95th percentile per-packet one-way delay: 7.028 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 692.52 Mbit/s
95th percentile per-packet one-way delay: 7.028 ms
Loss rate: 0.31%
```

Run 2: Report of PCC-Allegro — Data Link

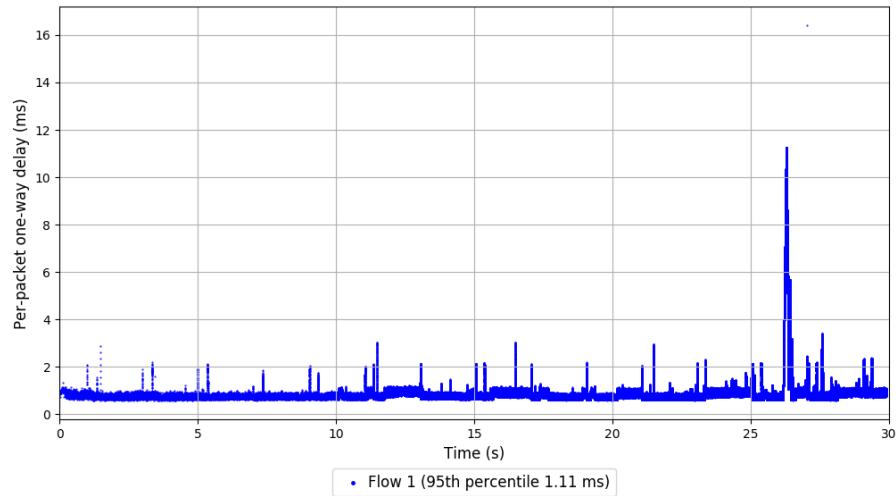
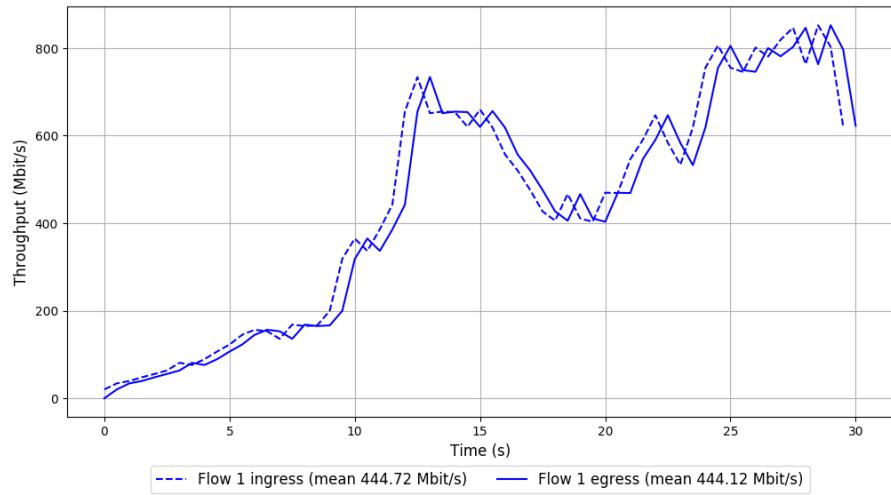


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-01-18 19:57:23
End at: 2019-01-18 19:57:53
Local clock offset: 4.708 ms
Remote clock offset: 2.631 ms

# Below is generated by plot.py at 2019-01-18 21:57:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 444.12 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 444.12 Mbit/s
95th percentile per-packet one-way delay: 1.111 ms
Loss rate: 0.14%
```

Run 3: Report of PCC-Allegro — Data Link

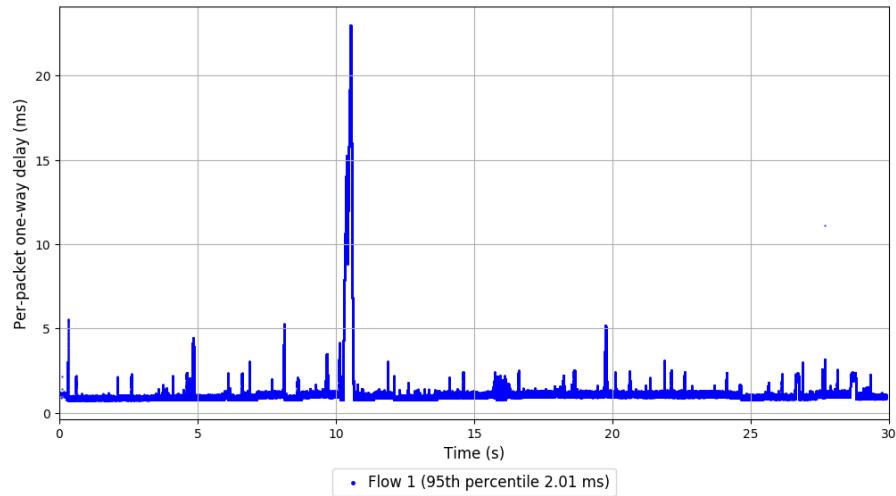
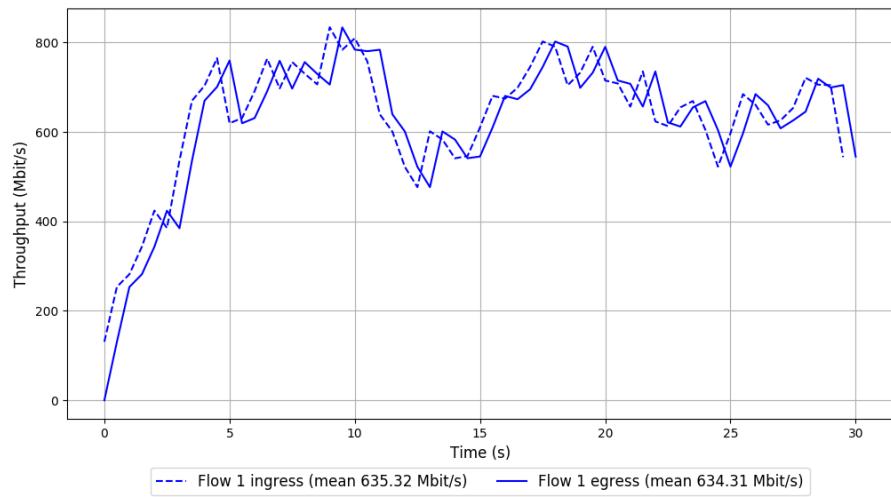


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-01-18 20:25:53
End at: 2019-01-18 20:26:23
Local clock offset: 2.826 ms
Remote clock offset: -0.441 ms

# Below is generated by plot.py at 2019-01-18 21:58:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 634.31 Mbit/s
95th percentile per-packet one-way delay: 2.010 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 634.31 Mbit/s
95th percentile per-packet one-way delay: 2.010 ms
Loss rate: 0.16%
```

Run 4: Report of PCC-Allegro — Data Link

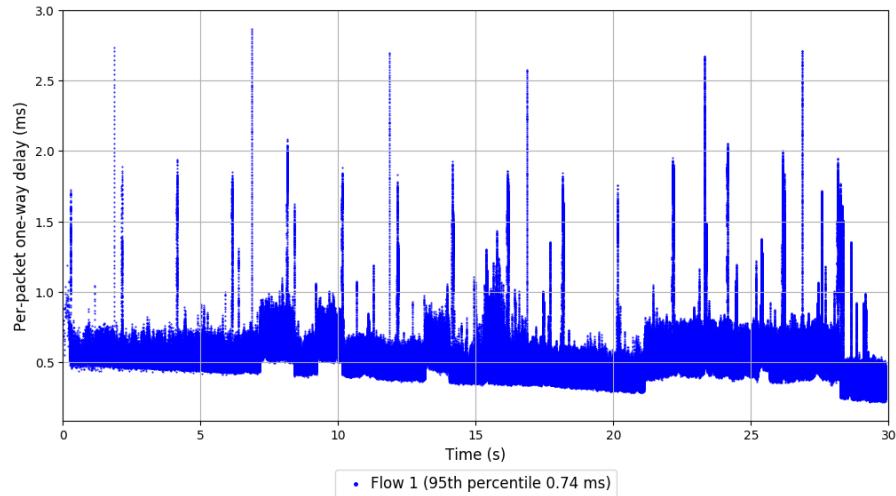
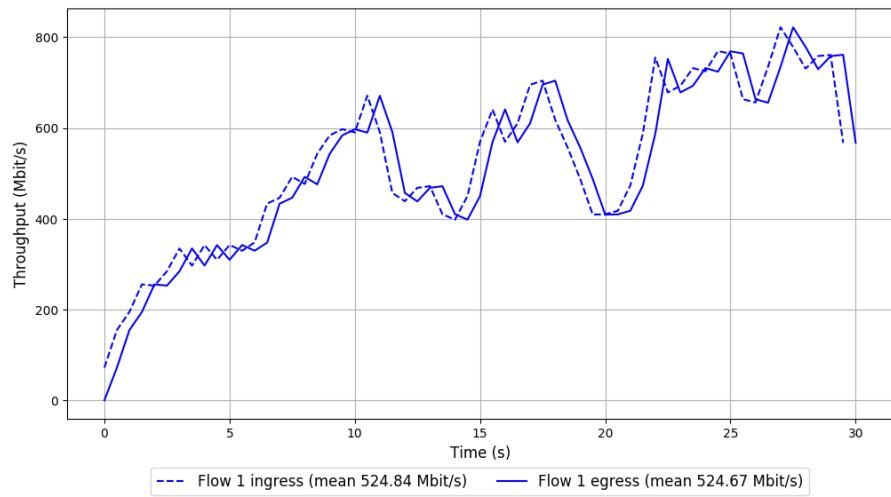


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-01-18 20:54:32
End at: 2019-01-18 20:55:02
Local clock offset: -0.092 ms
Remote clock offset: 1.685 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 524.67 Mbit/s
95th percentile per-packet one-way delay: 0.737 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 524.67 Mbit/s
95th percentile per-packet one-way delay: 0.737 ms
Loss rate: 0.04%
```

Run 5: Report of PCC-Allegro — Data Link

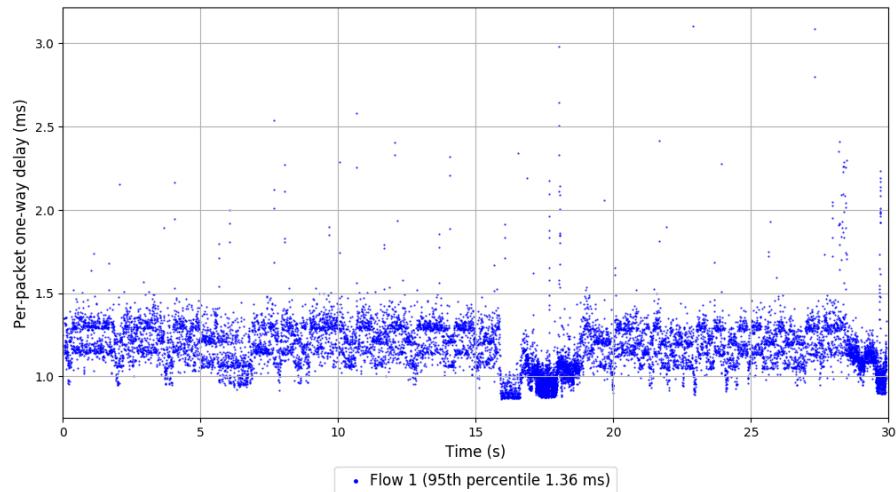
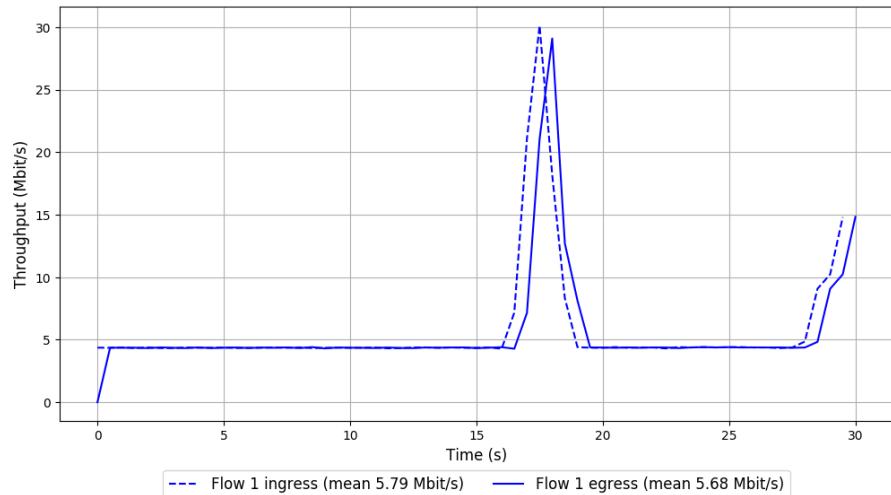


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-01-18 19:12:41
End at: 2019-01-18 19:13:11
Local clock offset: 4.337 ms
Remote clock offset: 1.875 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.68 Mbit/s
95th percentile per-packet one-way delay: 1.360 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 5.68 Mbit/s
95th percentile per-packet one-way delay: 1.360 ms
Loss rate: 1.97%
```

Run 1: Report of PCC-Expr — Data Link

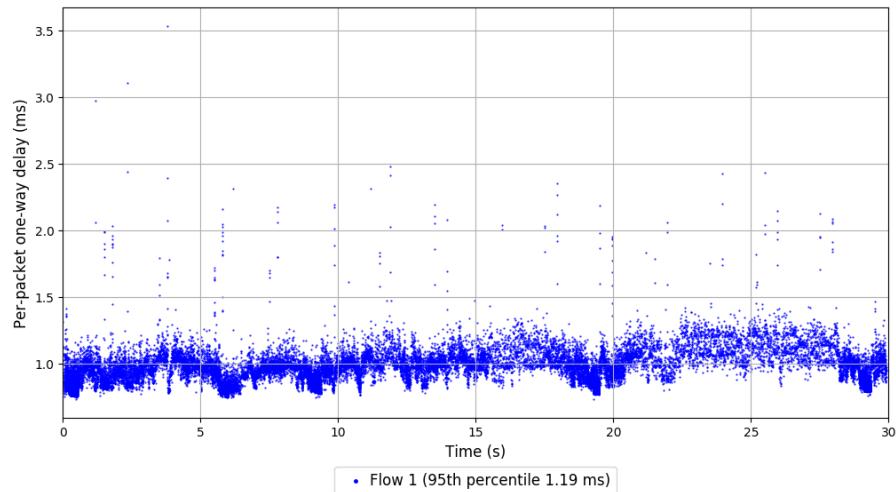
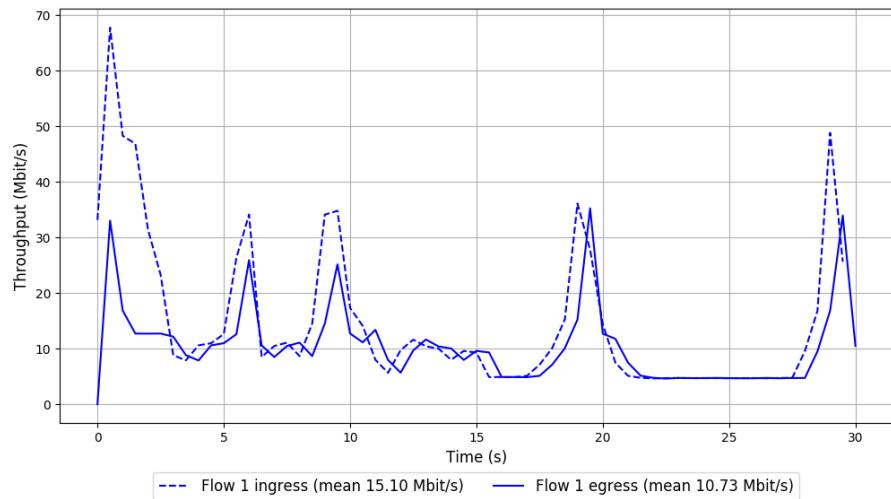


Run 2: Statistics of PCC-Expr

```
Start at: 2019-01-18 19:41:21
End at: 2019-01-18 19:41:51
Local clock offset: 6.837 ms
Remote clock offset: 2.852 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.73 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 28.93%
-- Flow 1:
Average throughput: 10.73 Mbit/s
95th percentile per-packet one-way delay: 1.185 ms
Loss rate: 28.93%
```

Run 2: Report of PCC-Expr — Data Link

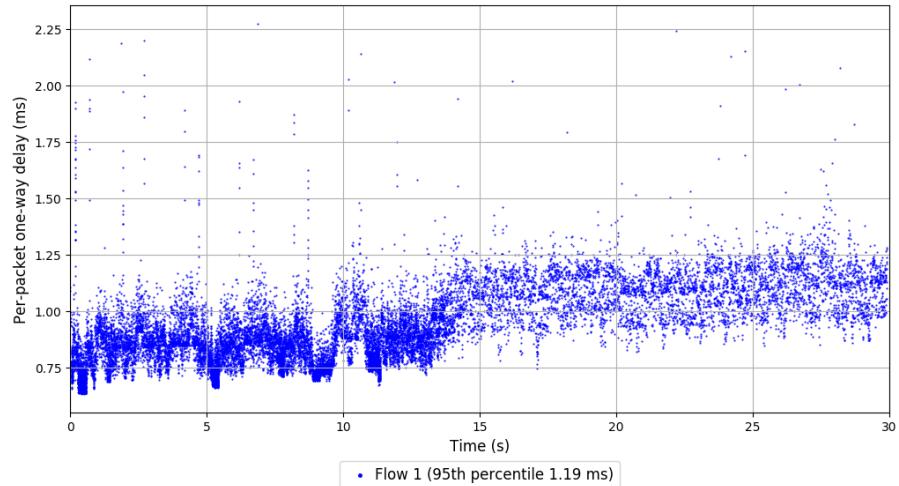
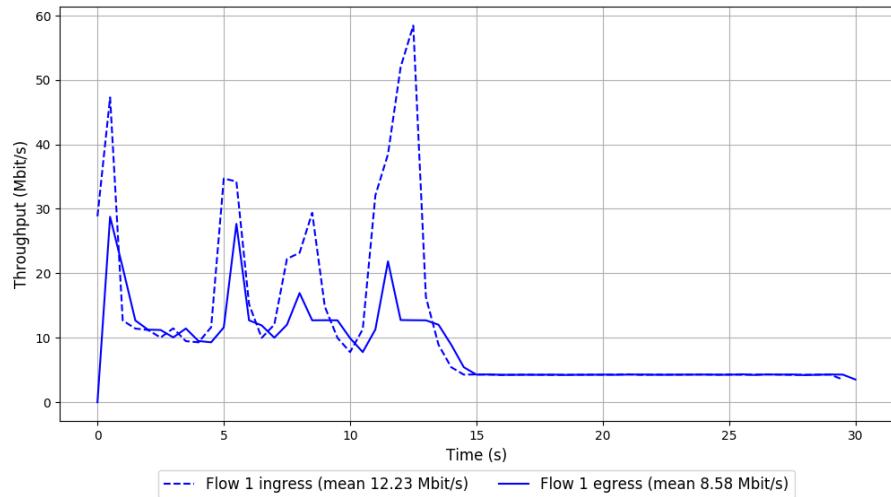


Run 3: Statistics of PCC-Expr

```
Start at: 2019-01-18 20:09:48
End at: 2019-01-18 20:10:18
Local clock offset: 3.204 ms
Remote clock offset: 2.348 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 1.193 ms
Loss rate: 29.85%
-- Flow 1:
Average throughput: 8.58 Mbit/s
95th percentile per-packet one-way delay: 1.193 ms
Loss rate: 29.85%
```

Run 3: Report of PCC-Expr — Data Link

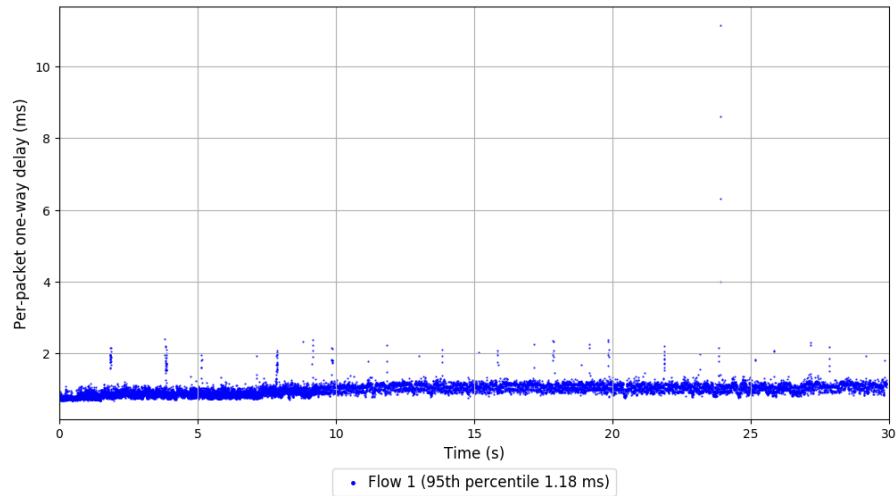
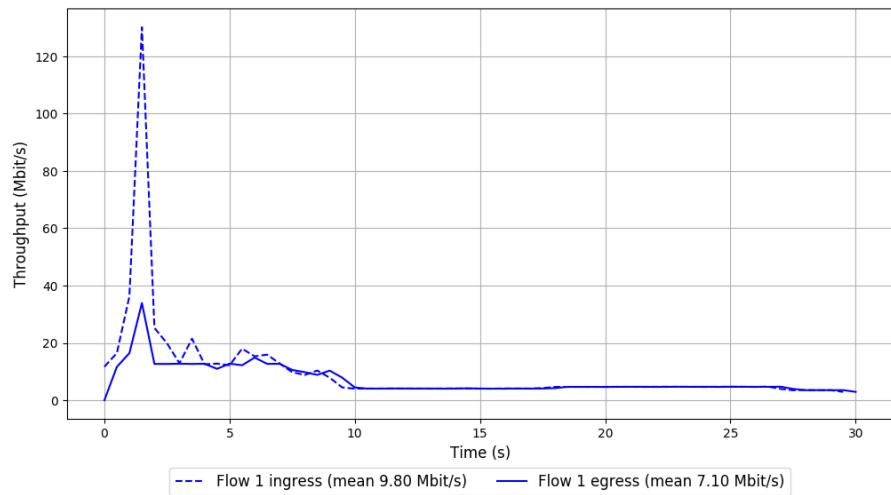


Run 4: Statistics of PCC-Expr

```
Start at: 2019-01-18 20:38:27
End at: 2019-01-18 20:38:57
Local clock offset: 2.794 ms
Remote clock offset: -1.374 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.10 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 27.51%
-- Flow 1:
Average throughput: 7.10 Mbit/s
95th percentile per-packet one-way delay: 1.184 ms
Loss rate: 27.51%
```

Run 4: Report of PCC-Expr — Data Link

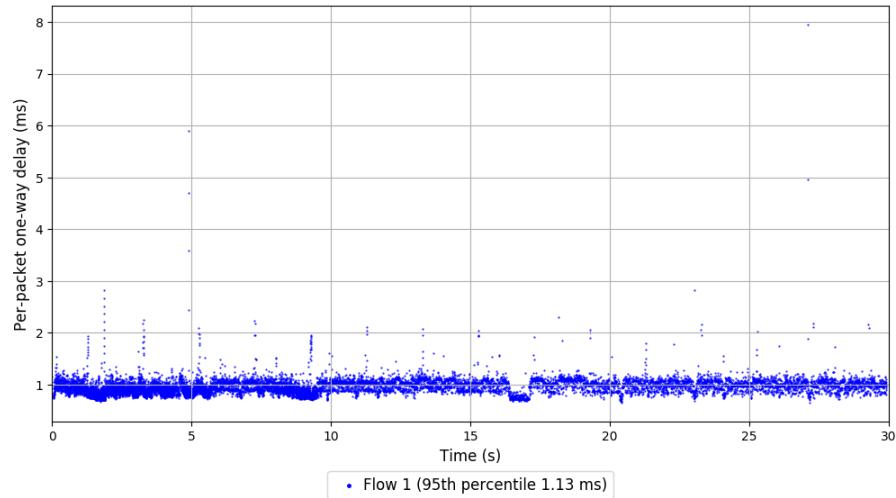
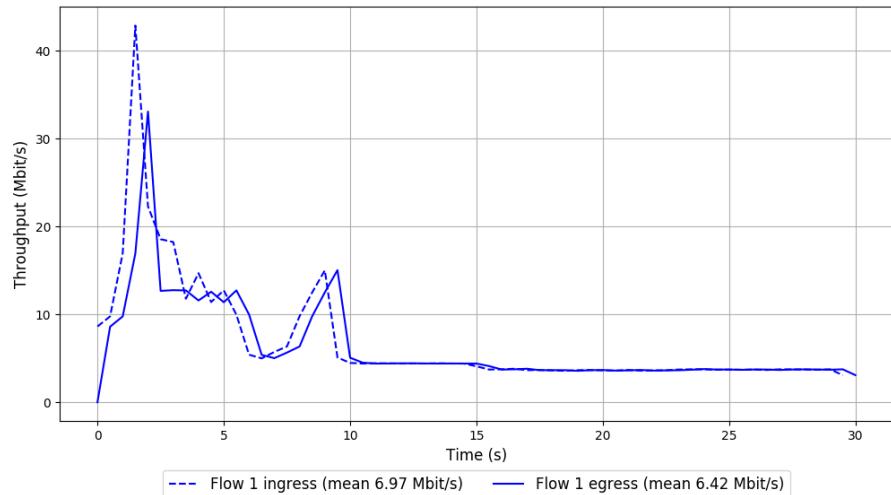


Run 5: Statistics of PCC-Expr

```
Start at: 2019-01-18 21:07:11
End at: 2019-01-18 21:07:41
Local clock offset: -3.682 ms
Remote clock offset: 2.856 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 7.94%
-- Flow 1:
Average throughput: 6.42 Mbit/s
95th percentile per-packet one-way delay: 1.133 ms
Loss rate: 7.94%
```

Run 5: Report of PCC-Expr — Data Link

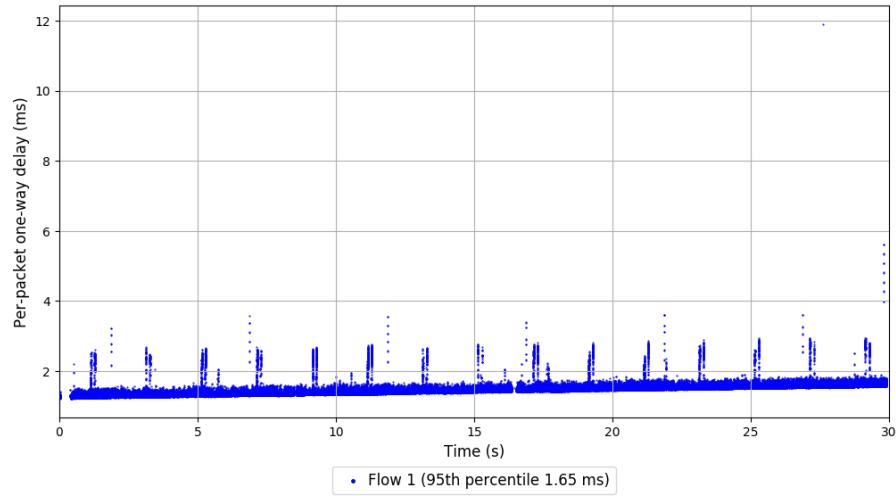
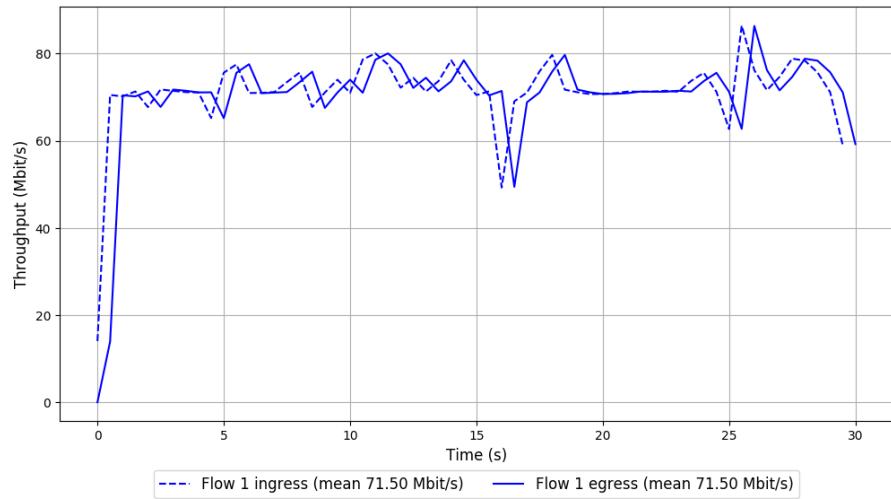


```
Run 1: Statistics of QUIC Cubic

Start at: 2019-01-18 18:52:11
End at: 2019-01-18 18:52:41
Local clock offset: -1.415 ms
Remote clock offset: -0.912 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.50 Mbit/s
95th percentile per-packet one-way delay: 1.651 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.50 Mbit/s
95th percentile per-packet one-way delay: 1.651 ms
Loss rate: 0.00%
```

Run 1: Report of QUIC Cubic — Data Link

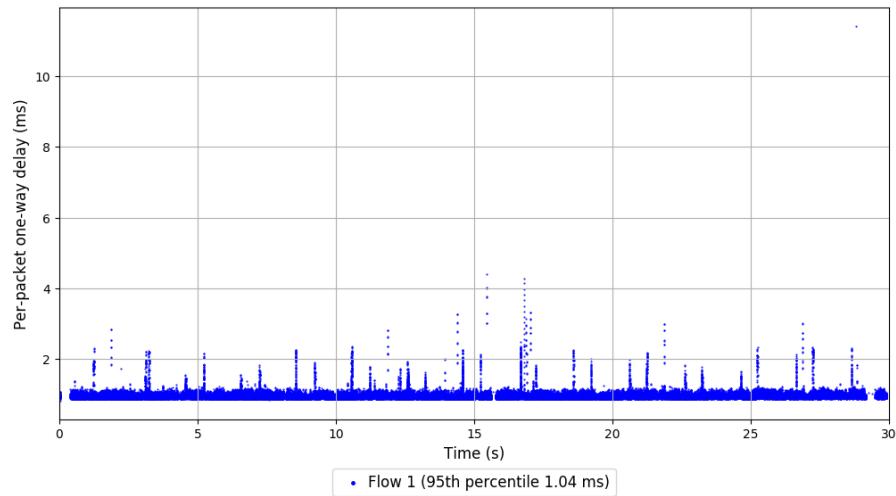
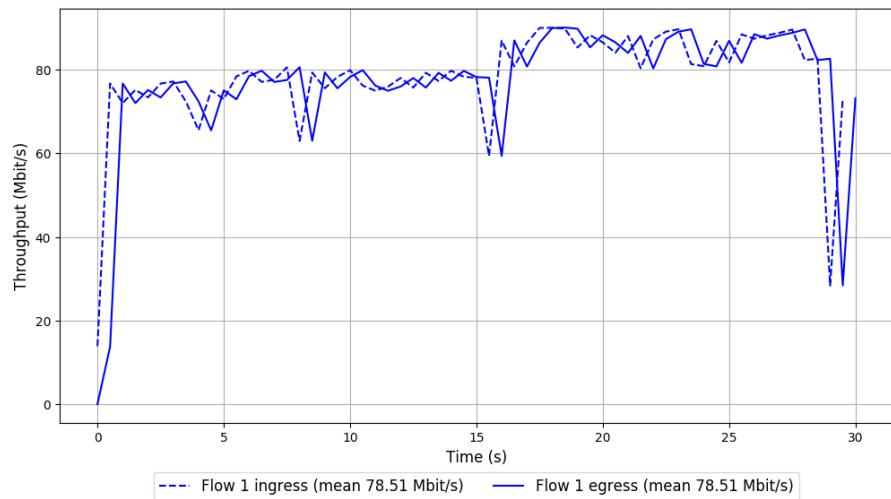


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-01-18 19:20:41
End at: 2019-01-18 19:21:11
Local clock offset: 5.161 ms
Remote clock offset: 2.703 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.51 Mbit/s
95th percentile per-packet one-way delay: 1.037 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 78.51 Mbit/s
95th percentile per-packet one-way delay: 1.037 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link

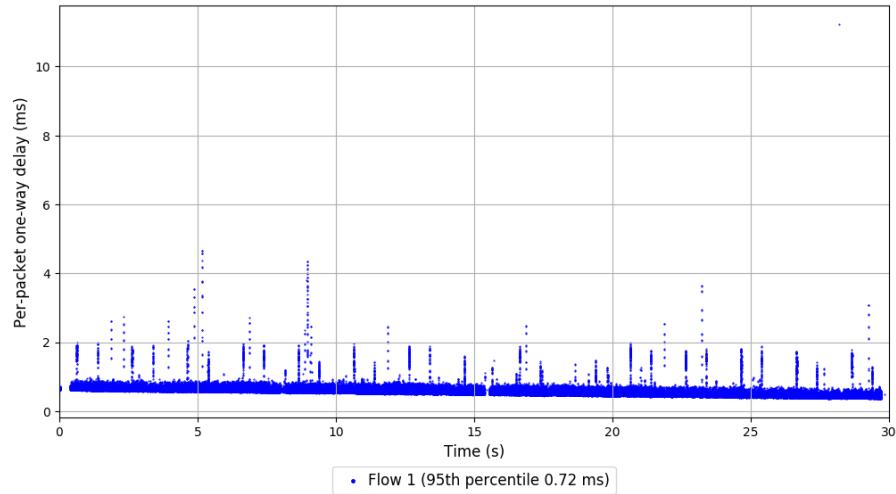
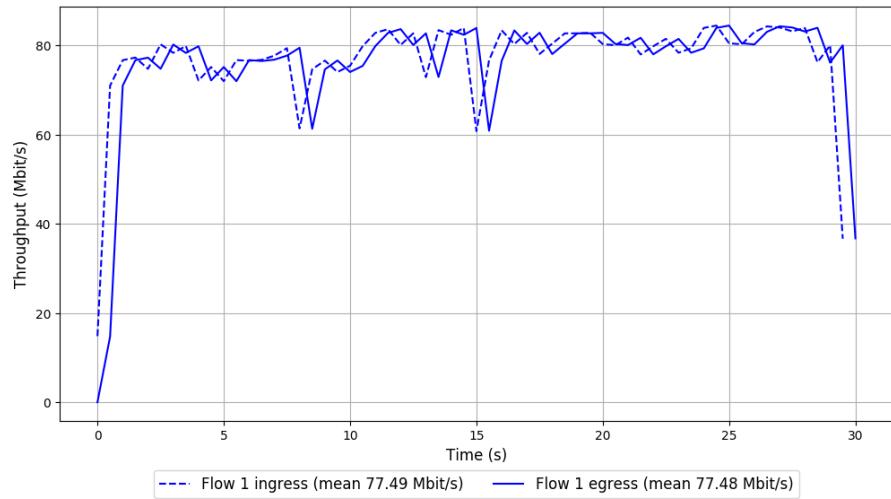


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-01-18 19:49:19
End at: 2019-01-18 19:49:49
Local clock offset: 7.402 ms
Remote clock offset: 2.668 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.48 Mbit/s
95th percentile per-packet one-way delay: 0.716 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.48 Mbit/s
95th percentile per-packet one-way delay: 0.716 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

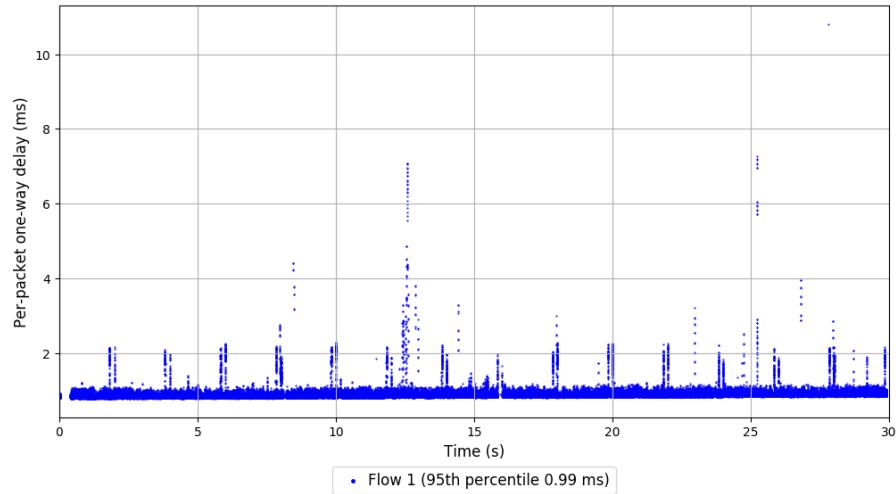
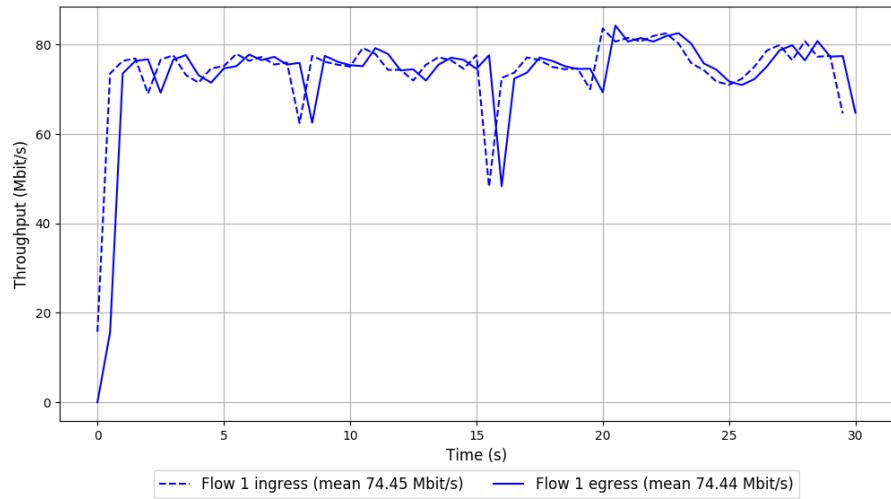


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-01-18 20:17:45
End at: 2019-01-18 20:18:15
Local clock offset: 2.875 ms
Remote clock offset: 0.602 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.44 Mbit/s
95th percentile per-packet one-way delay: 0.986 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 74.44 Mbit/s
95th percentile per-packet one-way delay: 0.986 ms
Loss rate: 0.01%
```

Run 4: Report of QUIC Cubic — Data Link

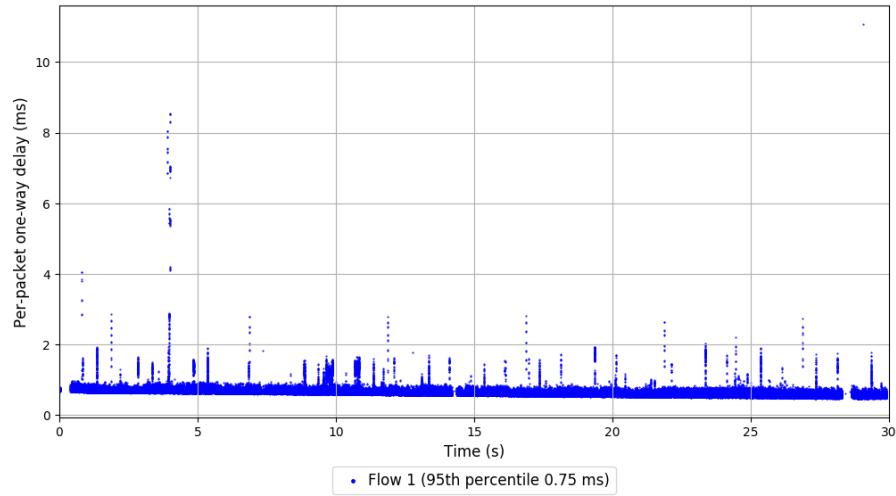
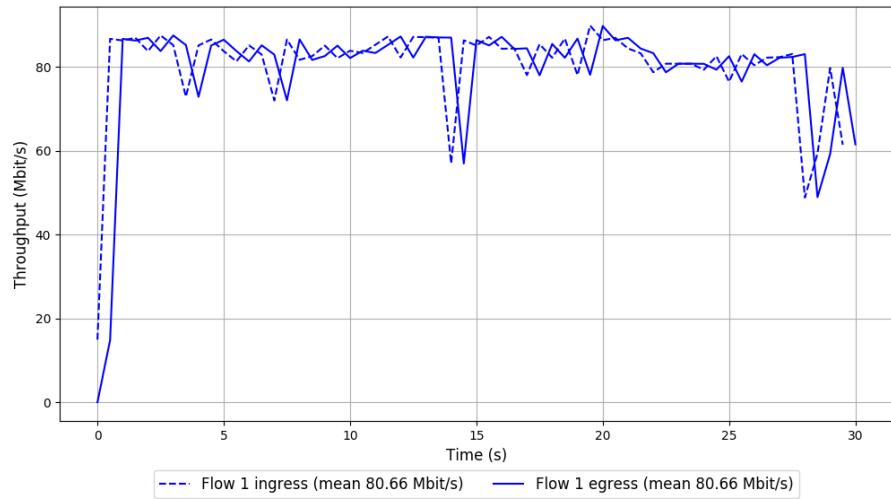


```
Run 5: Statistics of QUIC Cubic
```

```
Start at: 2019-01-18 20:46:28
End at: 2019-01-18 20:46:58
Local clock offset: 2.733 ms
Remote clock offset: -0.487 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.66 Mbit/s
95th percentile per-packet one-way delay: 0.753 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.66 Mbit/s
95th percentile per-packet one-way delay: 0.753 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

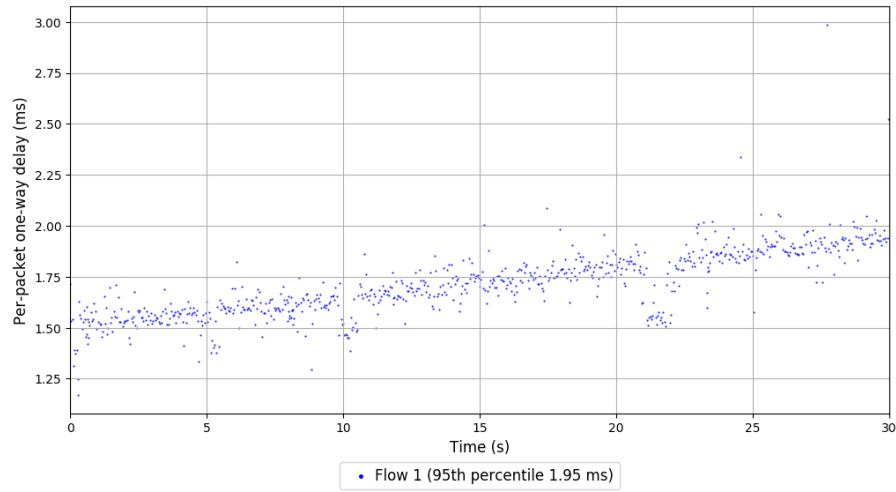
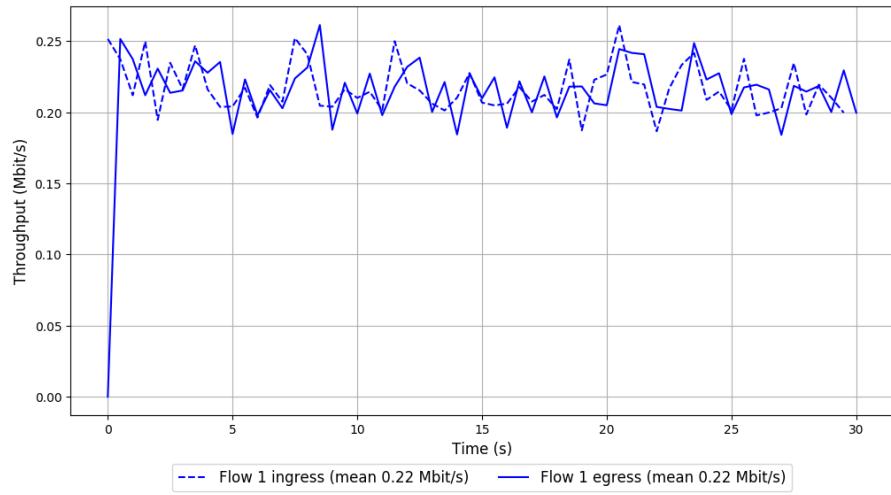


```
Run 1: Statistics of SCReAM

Start at: 2019-01-18 18:49:36
End at: 2019-01-18 18:50:06
Local clock offset: -3.031 ms
Remote clock offset: -0.519 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.948 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.948 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

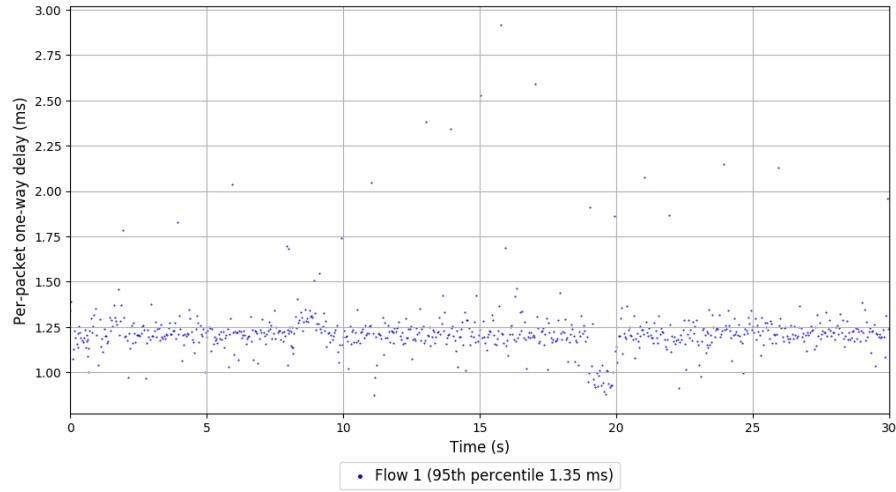
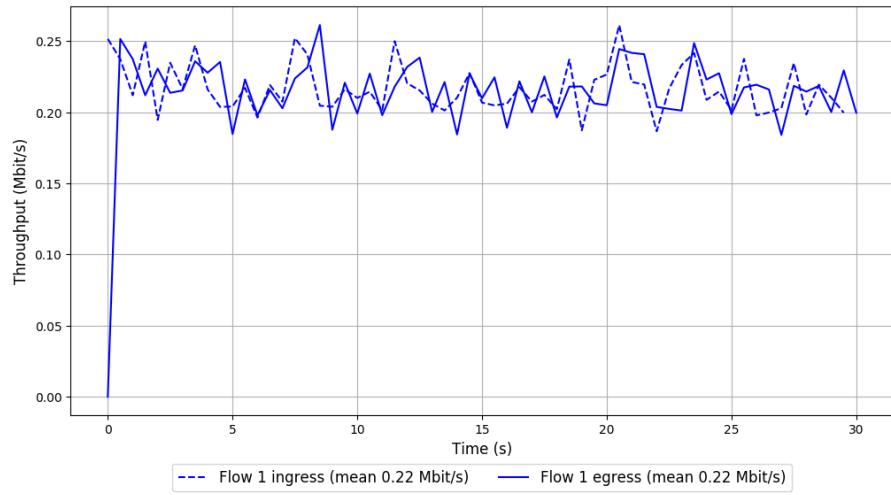


Run 2: Statistics of SCReAM

```
Start at: 2019-01-18 19:18:08
End at: 2019-01-18 19:18:38
Local clock offset: 4.93 ms
Remote clock offset: 2.495 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.351 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.351 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

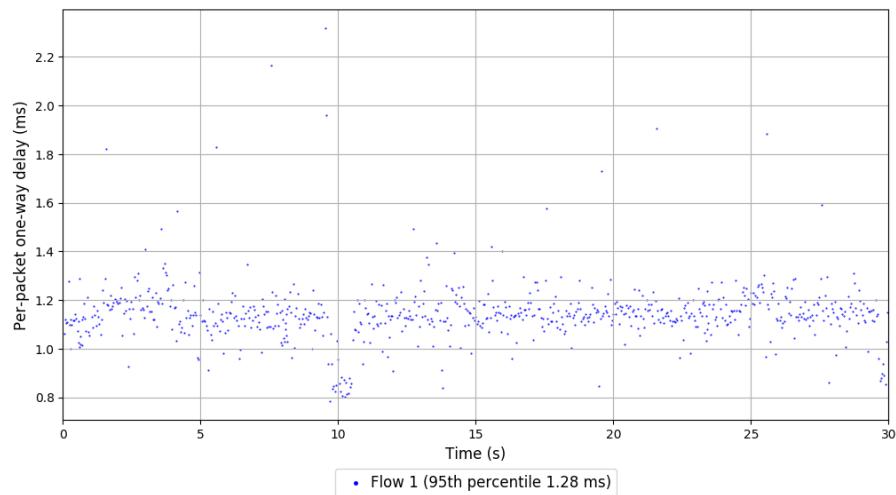
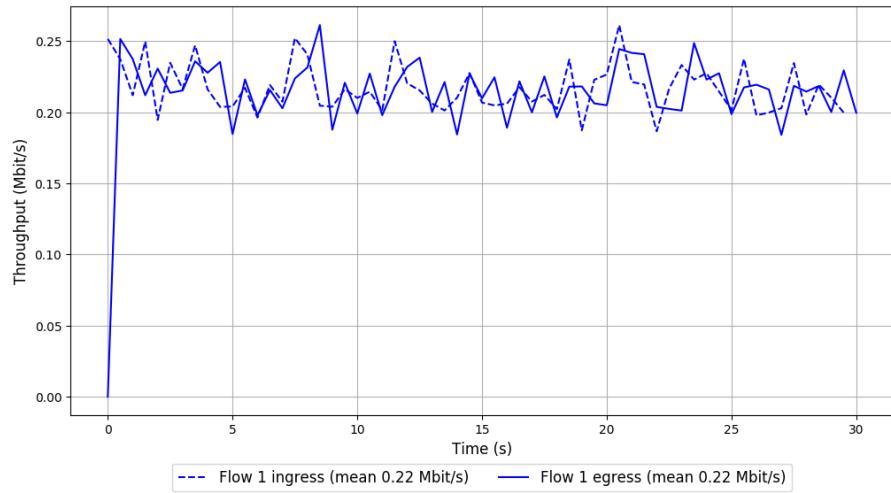


Run 3: Statistics of SCReAM

```
Start at: 2019-01-18 19:46:47
End at: 2019-01-18 19:47:17
Local clock offset: 7.233 ms
Remote clock offset: 2.719 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.285 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.285 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

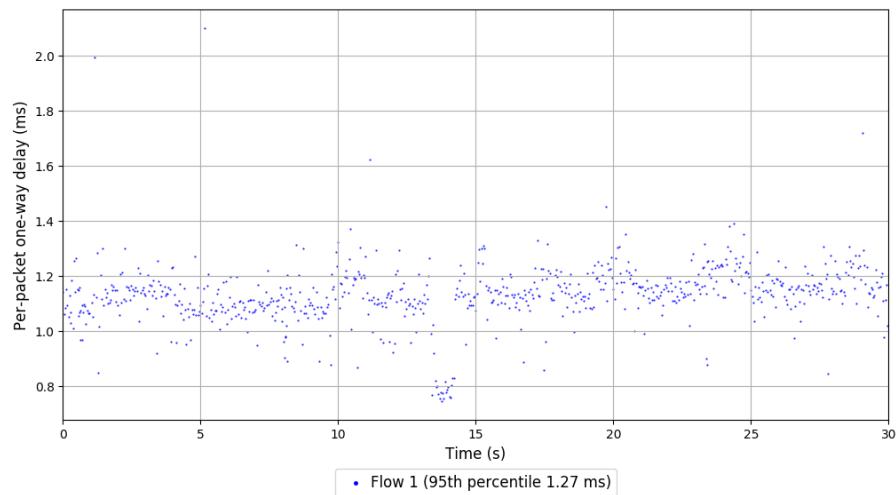
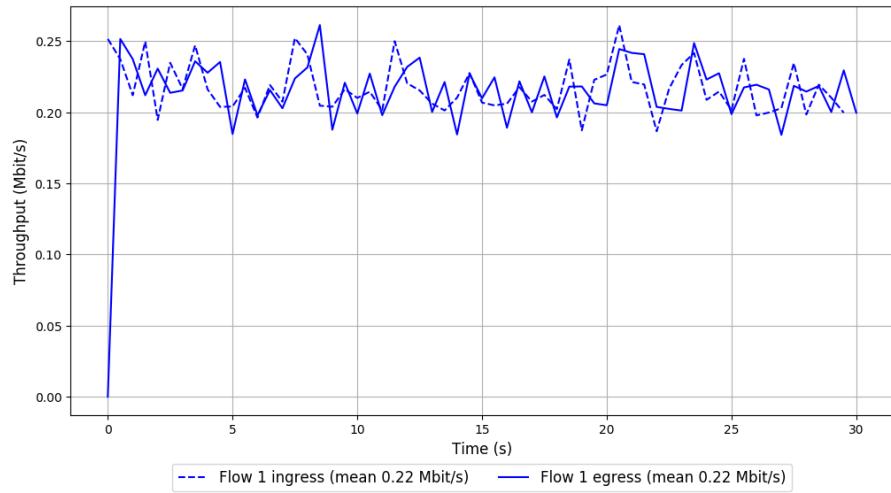


Run 4: Statistics of SCReAM

```
Start at: 2019-01-18 20:15:14
End at: 2019-01-18 20:15:44
Local clock offset: 2.928 ms
Remote clock offset: 0.948 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.274 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.274 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

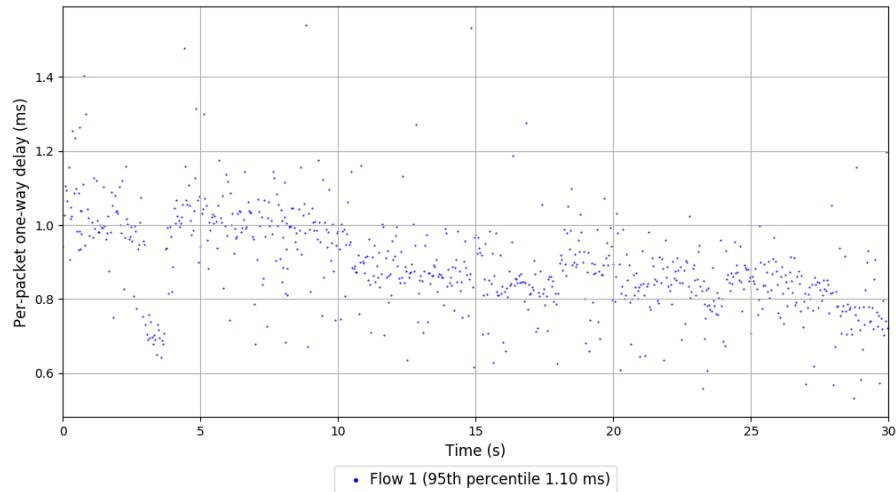
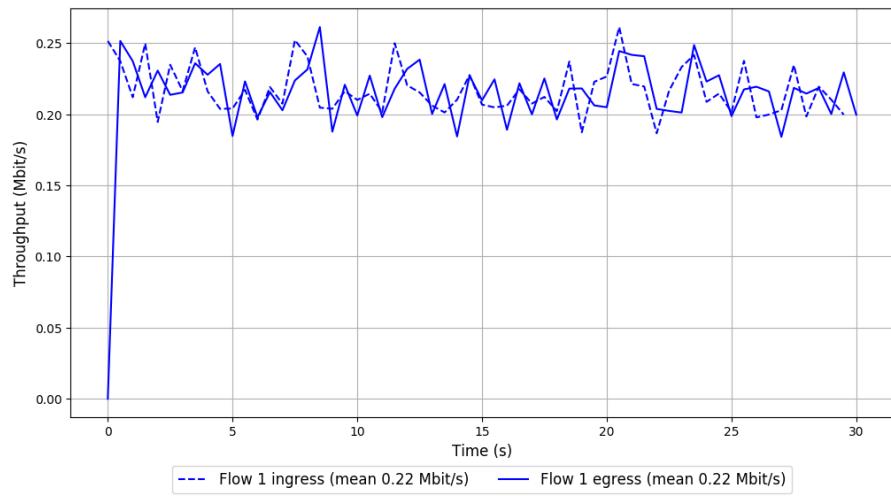


Run 5: Statistics of SCReAM

```
Start at: 2019-01-18 20:43:54
End at: 2019-01-18 20:44:24
Local clock offset: 2.758 ms
Remote clock offset: -1.64 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.103 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.103 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

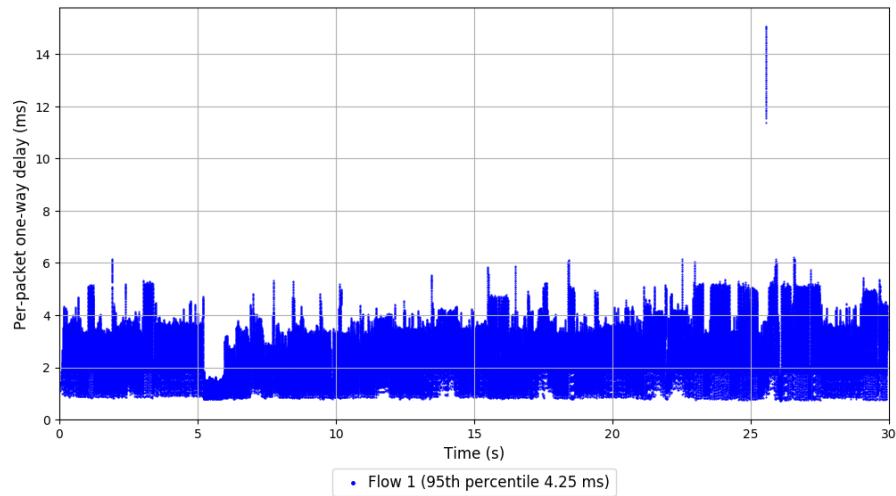
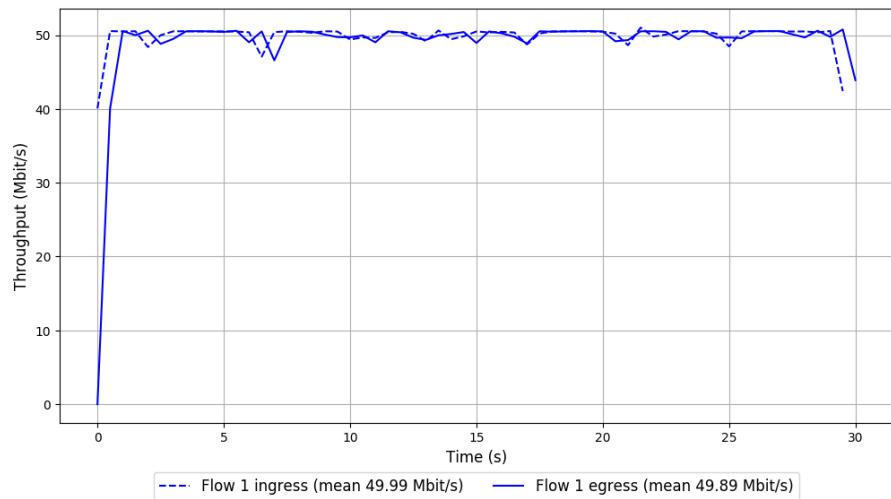


Run 1: Statistics of Sprout

```
Start at: 2019-01-18 19:05:52
End at: 2019-01-18 19:06:22
Local clock offset: 3.326 ms
Remote clock offset: 0.121 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 4.249 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 4.249 ms
Loss rate: 0.20%
```

Run 1: Report of Sprout — Data Link

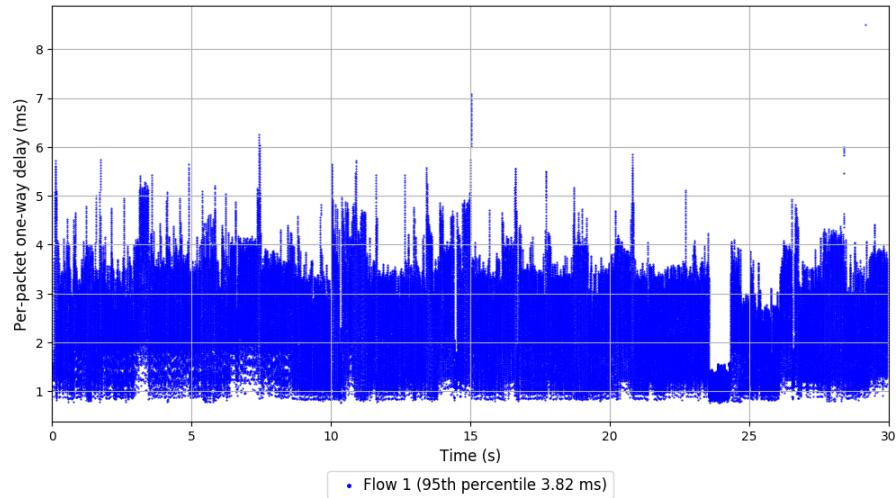
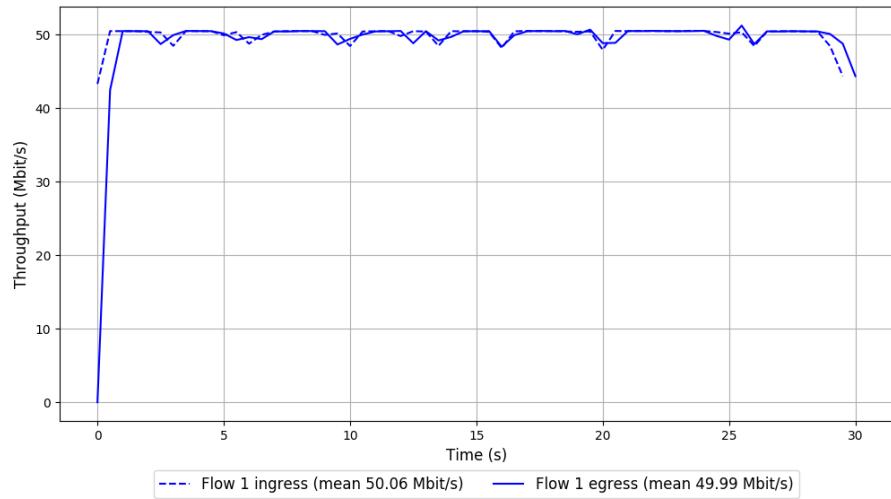


Run 2: Statistics of Sprout

```
Start at: 2019-01-18 19:34:34
End at: 2019-01-18 19:35:04
Local clock offset: 6.327 ms
Remote clock offset: 3.101 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 3.824 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 49.99 Mbit/s
95th percentile per-packet one-way delay: 3.824 ms
Loss rate: 0.14%
```

Run 2: Report of Sprout — Data Link

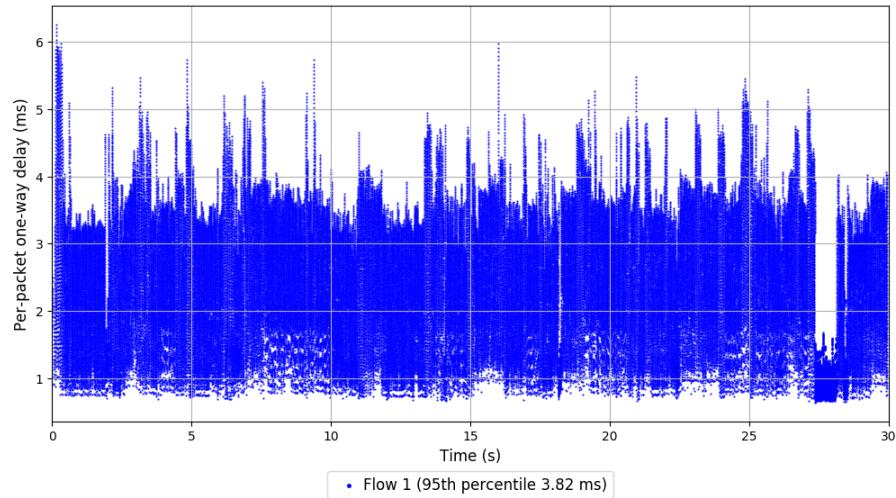
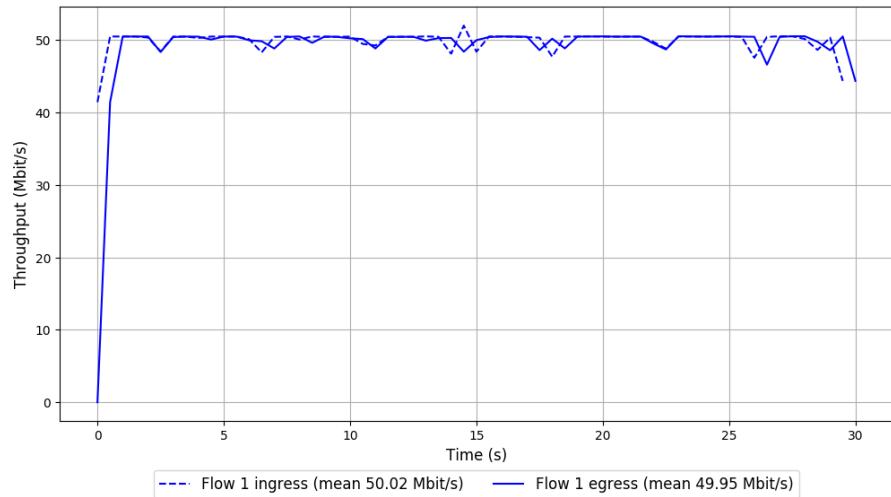


Run 3: Statistics of Sprout

```
Start at: 2019-01-18 20:03:00
End at: 2019-01-18 20:03:30
Local clock offset: 3.743 ms
Remote clock offset: 2.506 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.95 Mbit/s
95th percentile per-packet one-way delay: 3.820 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 49.95 Mbit/s
95th percentile per-packet one-way delay: 3.820 ms
Loss rate: 0.13%
```

Run 3: Report of Sprout — Data Link

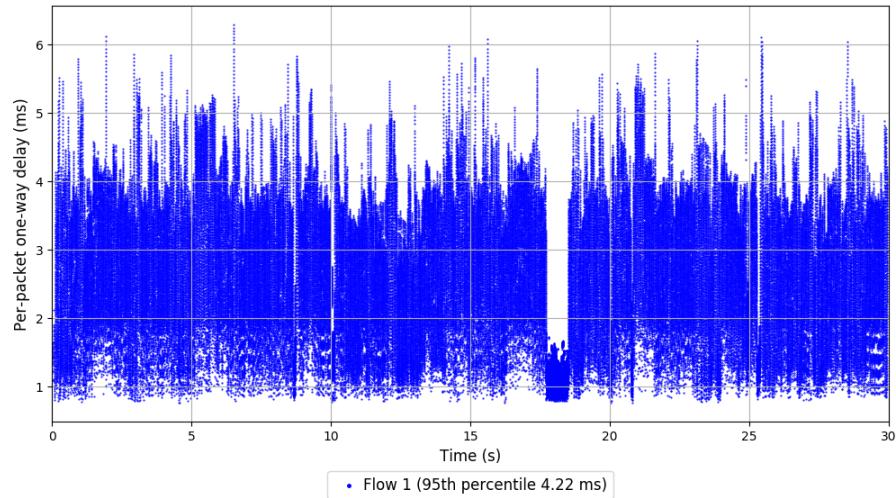
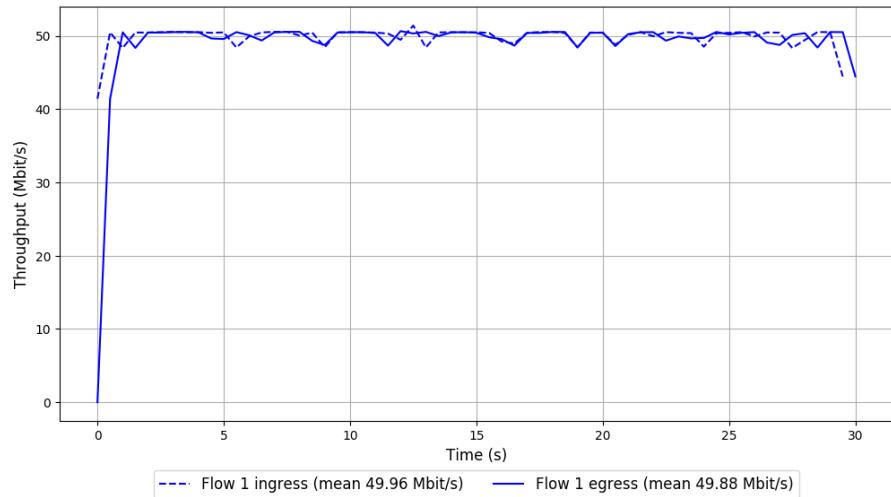


Run 4: Statistics of Sprout

```
Start at: 2019-01-18 20:31:39
End at: 2019-01-18 20:32:09
Local clock offset: 2.819 ms
Remote clock offset: -0.907 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.88 Mbit/s
95th percentile per-packet one-way delay: 4.218 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 49.88 Mbit/s
95th percentile per-packet one-way delay: 4.218 ms
Loss rate: 0.14%
```

Run 4: Report of Sprout — Data Link

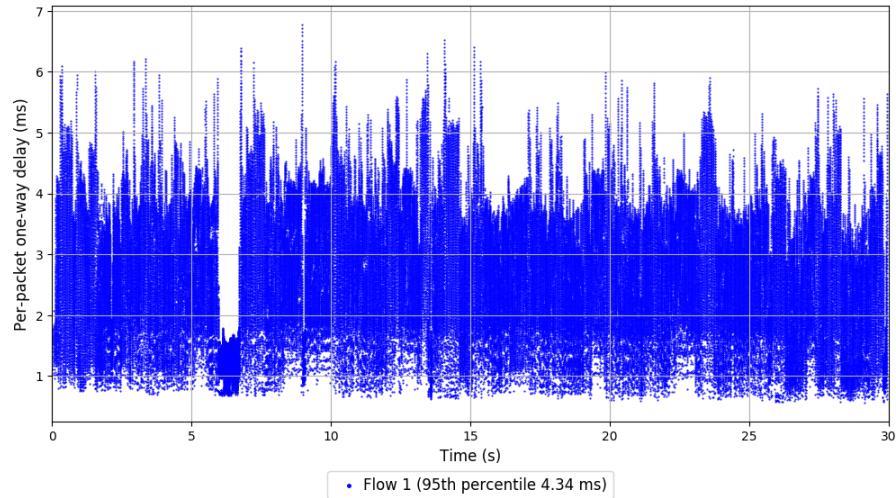
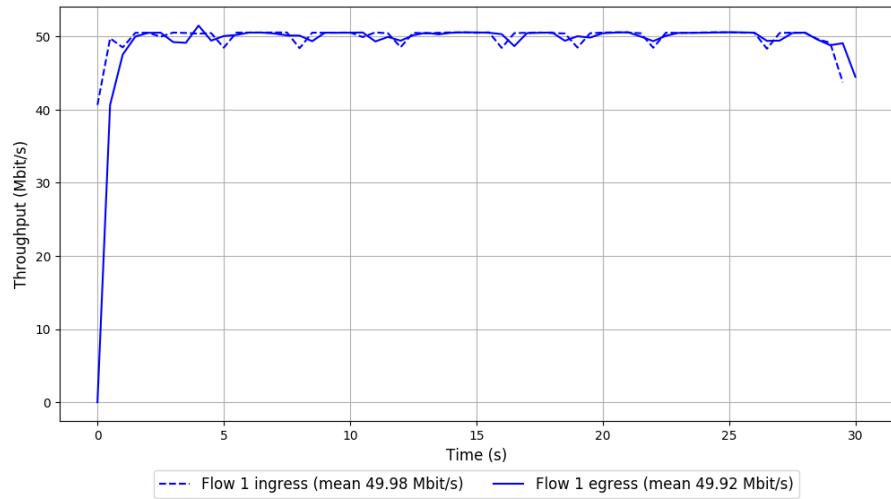


Run 5: Statistics of Sprout

```
Start at: 2019-01-18 21:00:21
End at: 2019-01-18 21:00:51
Local clock offset: -2.188 ms
Remote clock offset: 2.429 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.92 Mbit/s
95th percentile per-packet one-way delay: 4.342 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 49.92 Mbit/s
95th percentile per-packet one-way delay: 4.342 ms
Loss rate: 0.11%
```

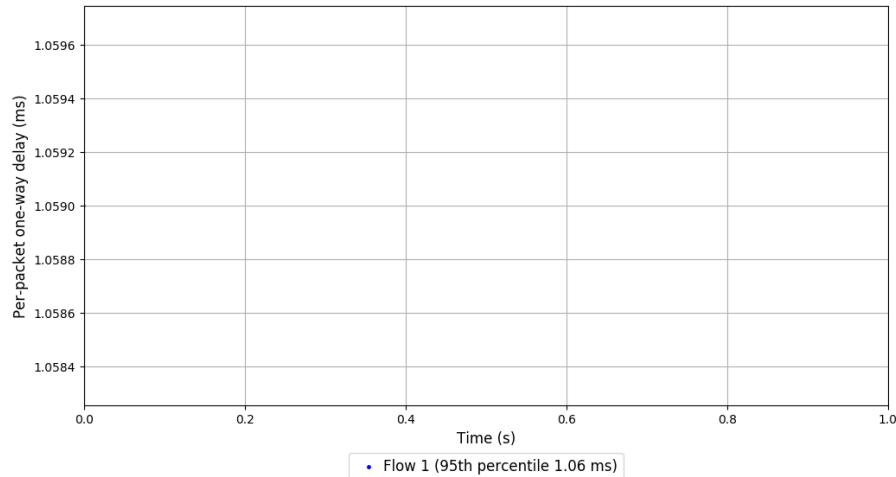
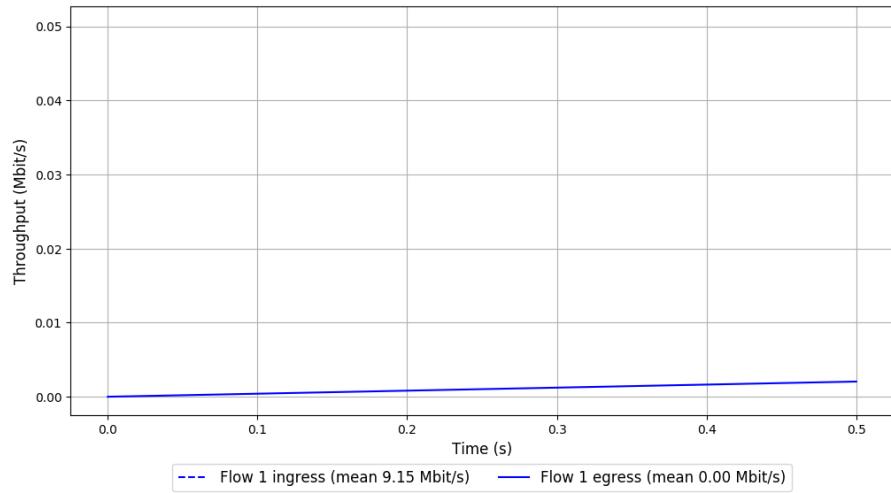
Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-01-18 19:04:39
End at: 2019-01-18 19:05:09
Local clock offset: 3.111 ms
Remote clock offset: -0.351 ms

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



Run 2: Statistics of TaoVA-100x

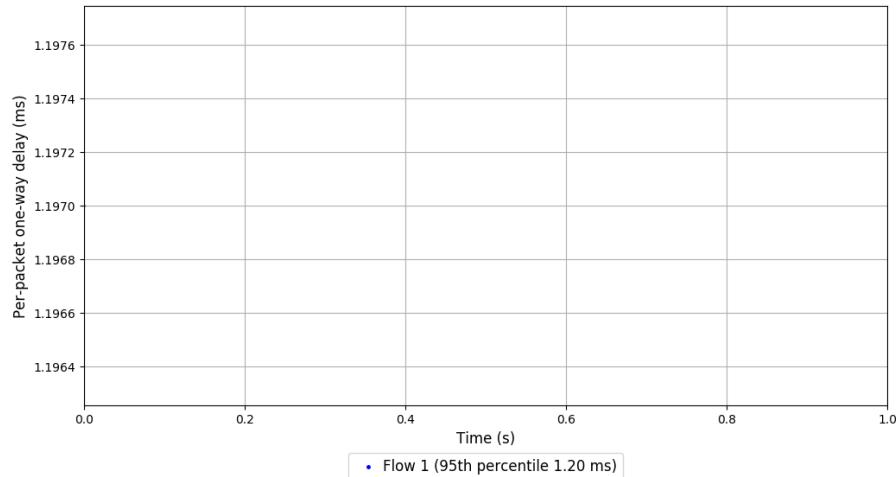
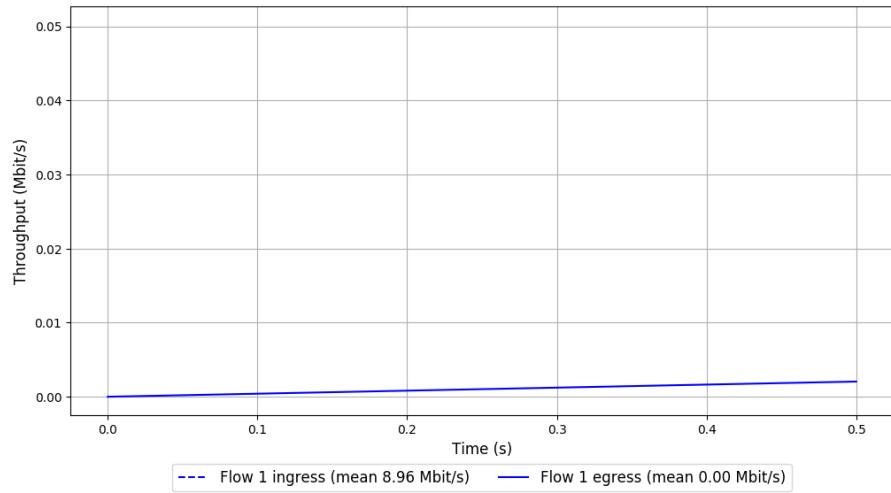
Start at: 2019-01-18 19:33:21

End at: 2019-01-18 19:33:51

Local clock offset: 6.235 ms

Remote clock offset: 3.139 ms

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



Run 3: Statistics of TaoVA-100x

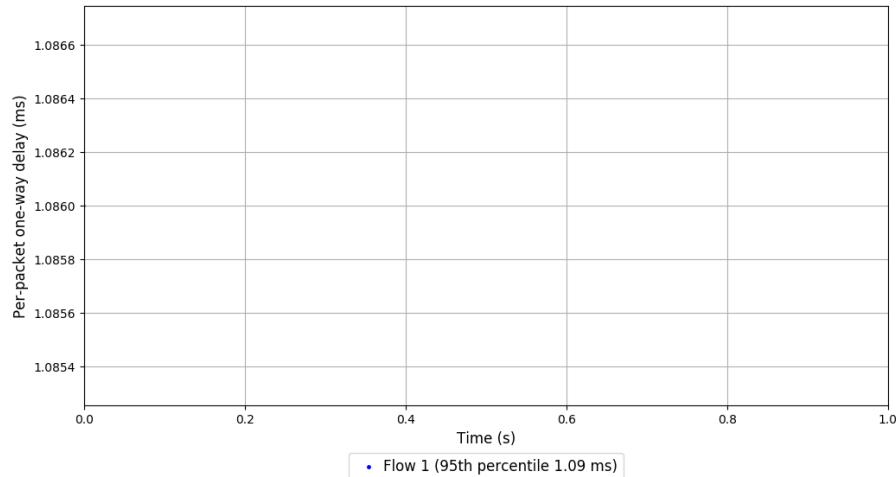
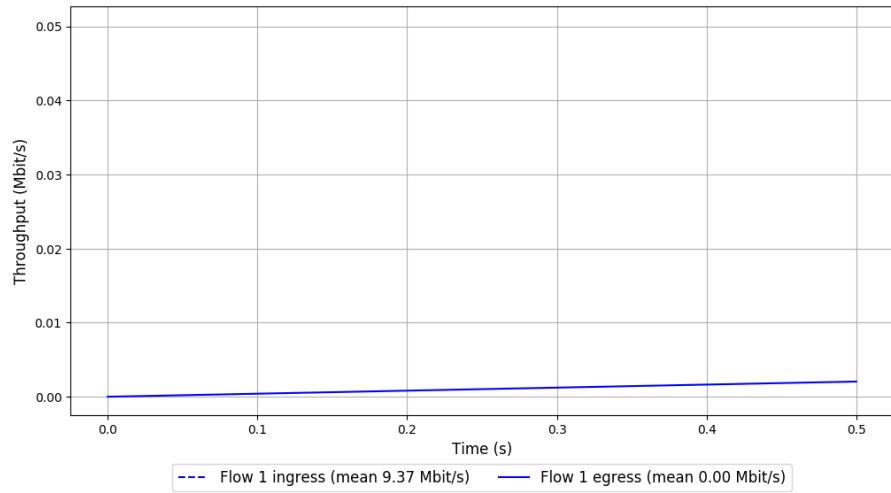
Start at: 2019-01-18 20:01:47

End at: 2019-01-18 20:02:17

Local clock offset: 3.908 ms

Remote clock offset: 2.538 ms

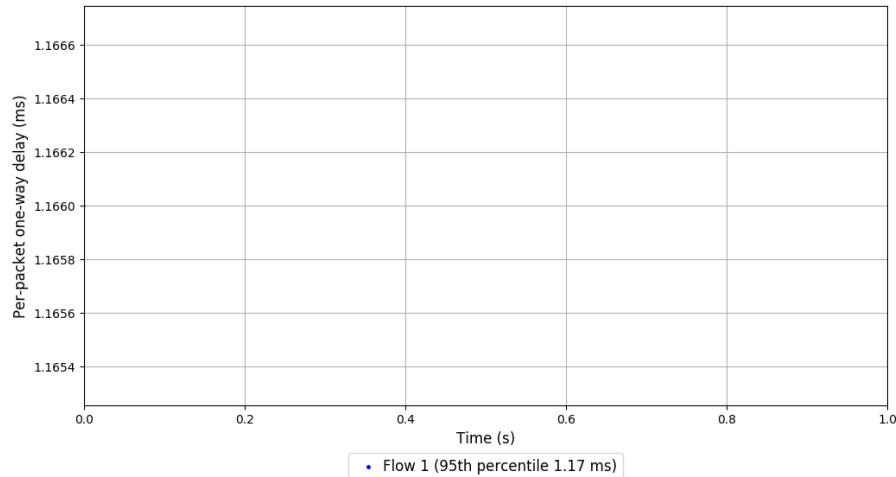
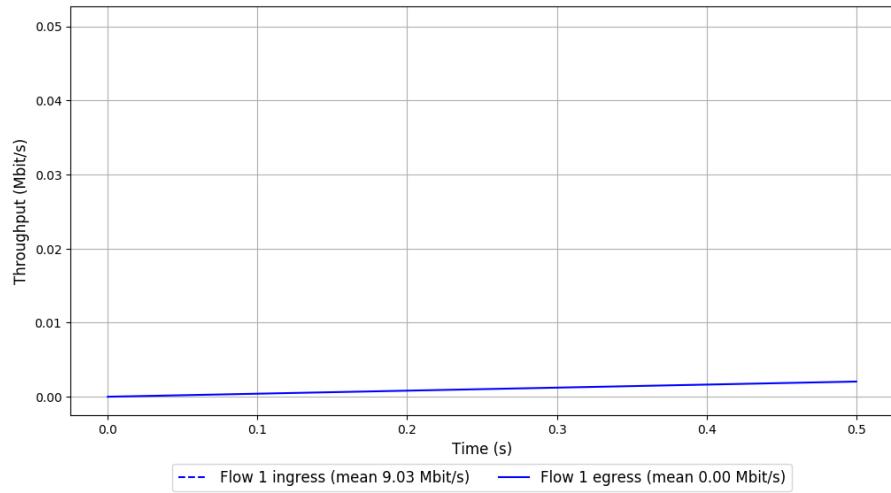
Run 3: Report of TaoVA-100x — Data Link



Run 4: Statistics of TaoVA-100x

Start at: 2019-01-18 20:30:27
End at: 2019-01-18 20:30:57
Local clock offset: 2.821 ms
Remote clock offset: -0.772 ms

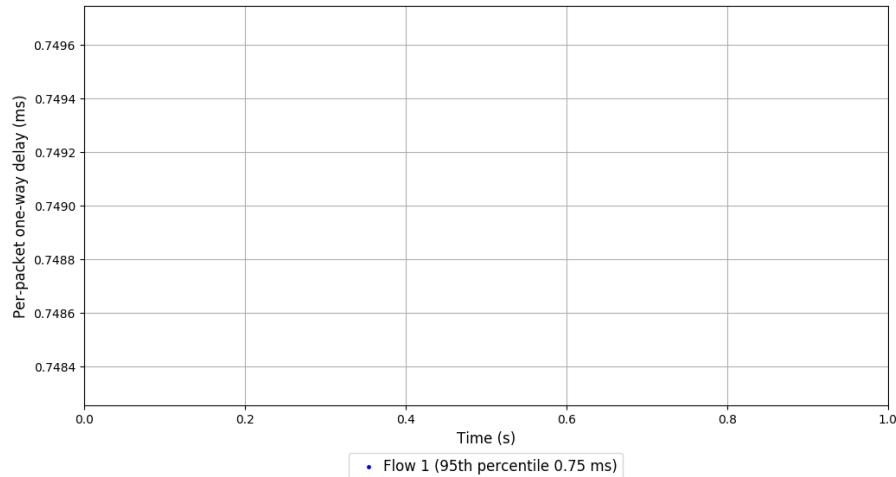
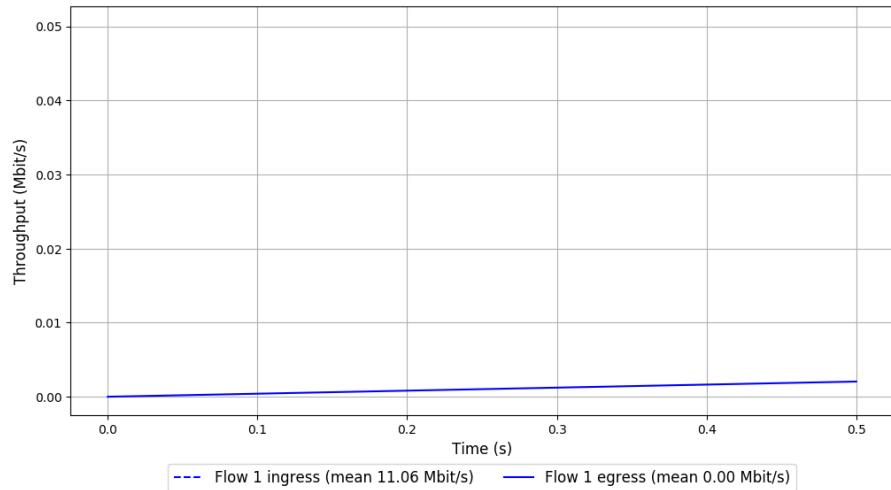
Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: 2019-01-18 20:59:08
End at: 2019-01-18 20:59:38
Local clock offset: -1.819 ms
Remote clock offset: 2.17 ms

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

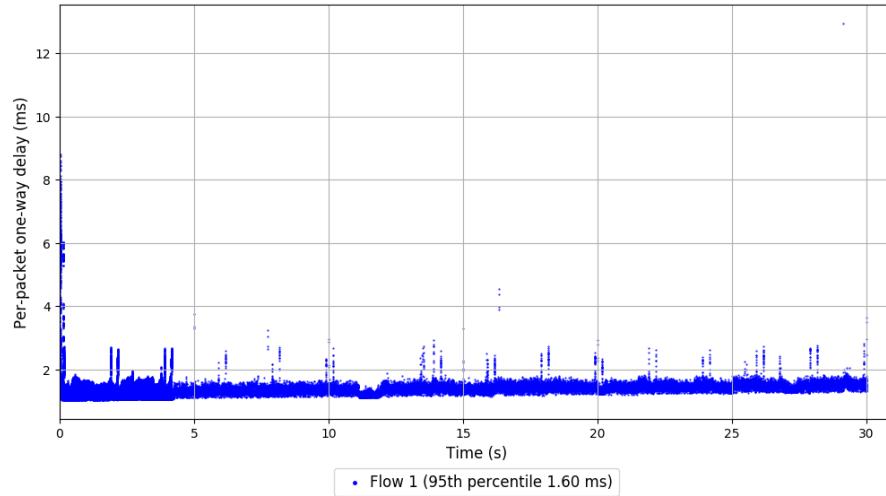
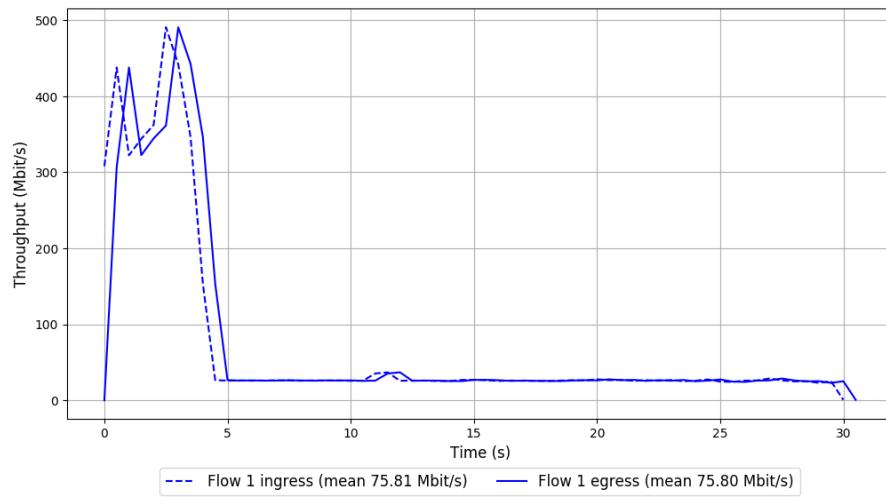


Run 1: Statistics of TCP Vegas

```
Start at: 2019-01-18 18:56:16
End at: 2019-01-18 18:56:46
Local clock offset: 0.753 ms
Remote clock offset: -1.336 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.80 Mbit/s
95th percentile per-packet one-way delay: 1.596 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 75.80 Mbit/s
95th percentile per-packet one-way delay: 1.596 ms
Loss rate: 0.02%
```

Run 1: Report of TCP Vegas — Data Link

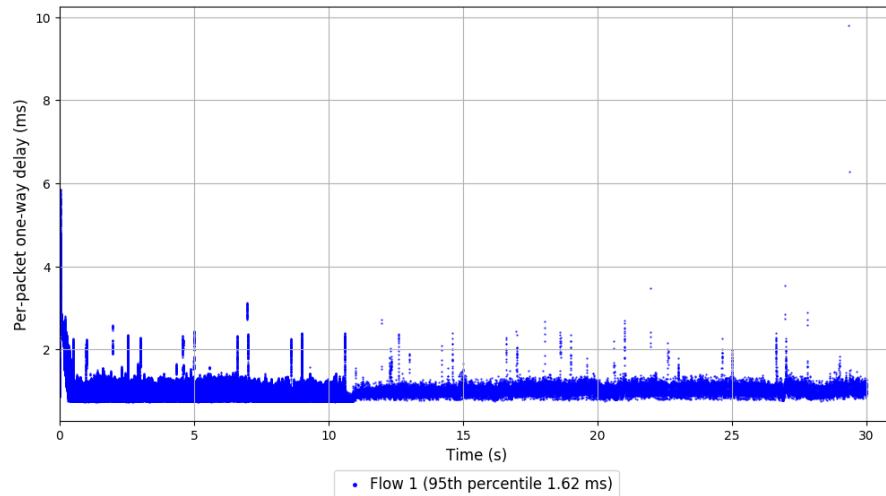
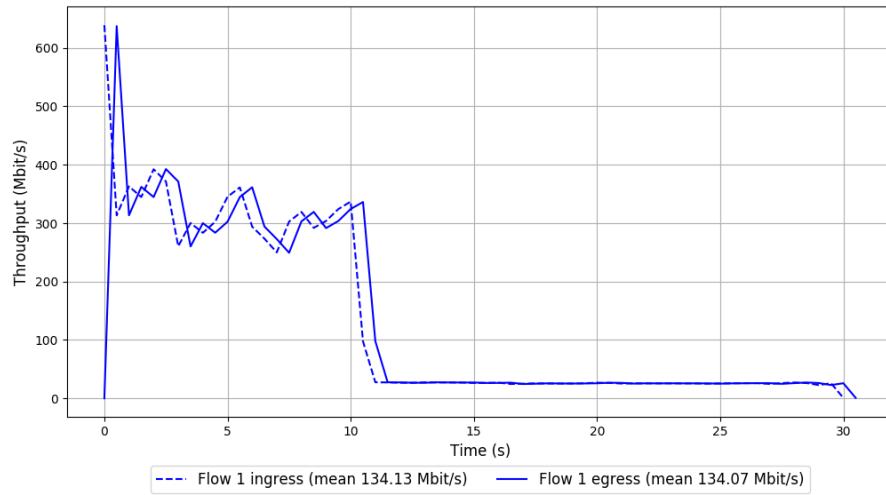


Run 2: Statistics of TCP Vegas

```
Start at: 2019-01-18 19:24:47
End at: 2019-01-18 19:25:17
Local clock offset: 5.542 ms
Remote clock offset: 2.824 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.07 Mbit/s
95th percentile per-packet one-way delay: 1.619 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 134.07 Mbit/s
95th percentile per-packet one-way delay: 1.619 ms
Loss rate: 0.05%
```

Run 2: Report of TCP Vegas — Data Link

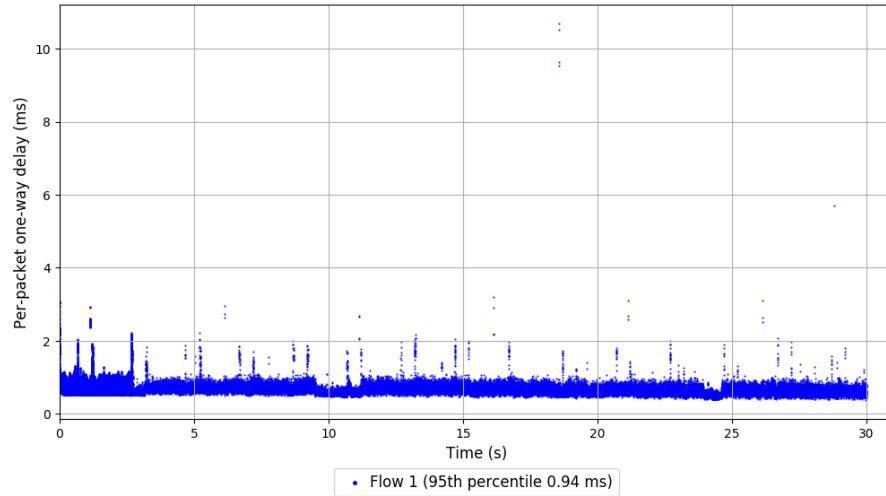
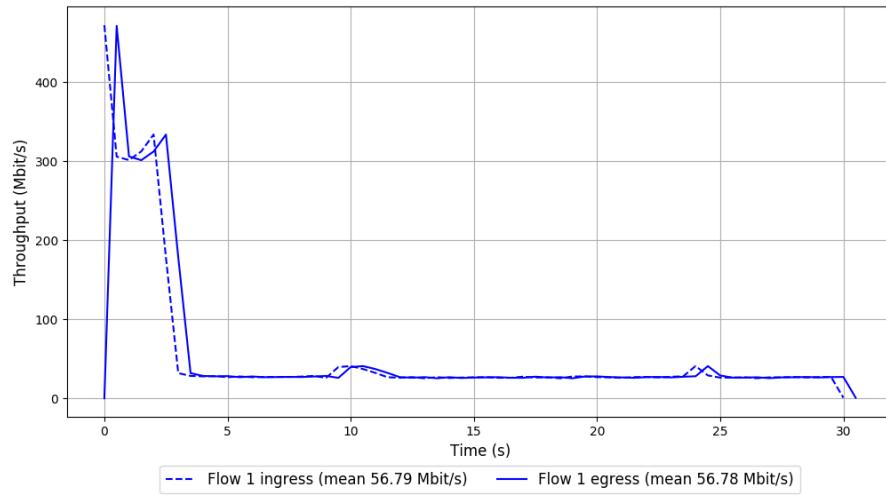


Run 3: Statistics of TCP Vegas

```
Start at: 2019-01-18 19:53:25
End at: 2019-01-18 19:53:55
Local clock offset: 5.801 ms
Remote clock offset: 2.618 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.78 Mbit/s
95th percentile per-packet one-way delay: 0.938 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 56.78 Mbit/s
95th percentile per-packet one-way delay: 0.938 ms
Loss rate: 0.02%
```

Run 3: Report of TCP Vegas — Data Link

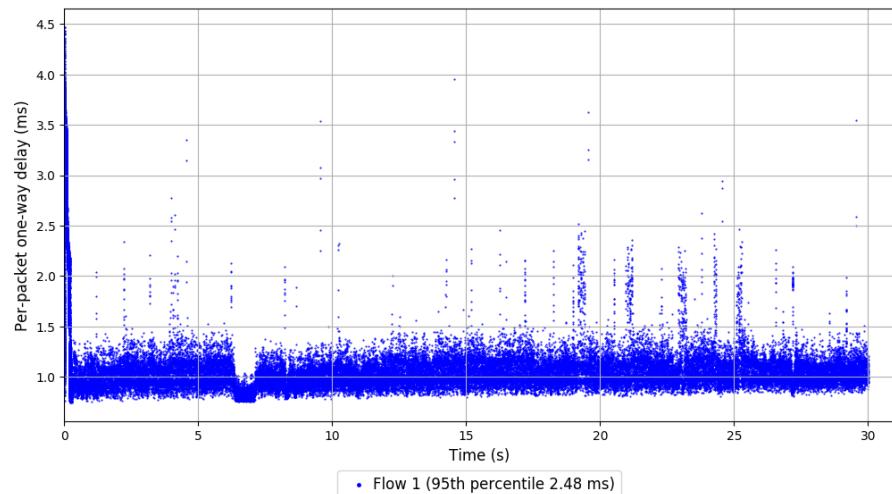
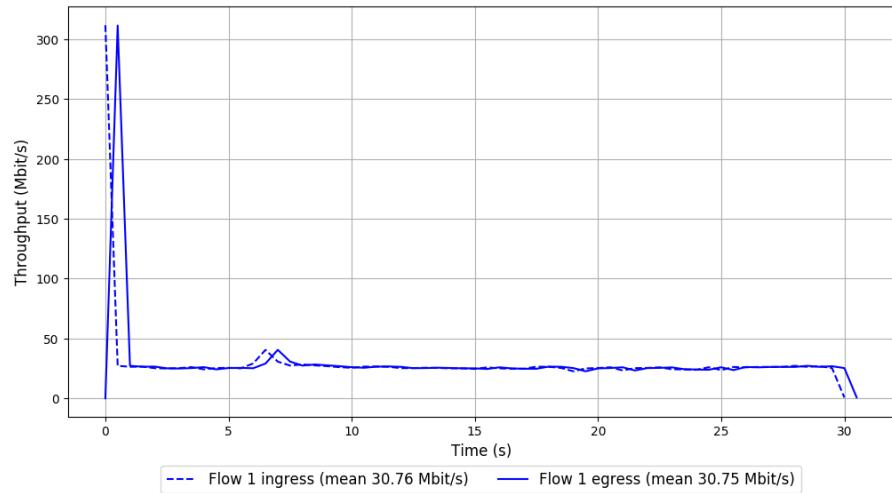


Run 4: Statistics of TCP Vegas

```
Start at: 2019-01-18 20:21:51
End at: 2019-01-18 20:22:21
Local clock offset: 2.809 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.75 Mbit/s
95th percentile per-packet one-way delay: 2.479 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 30.75 Mbit/s
95th percentile per-packet one-way delay: 2.479 ms
Loss rate: 0.02%
```

Run 4: Report of TCP Vegas — Data Link

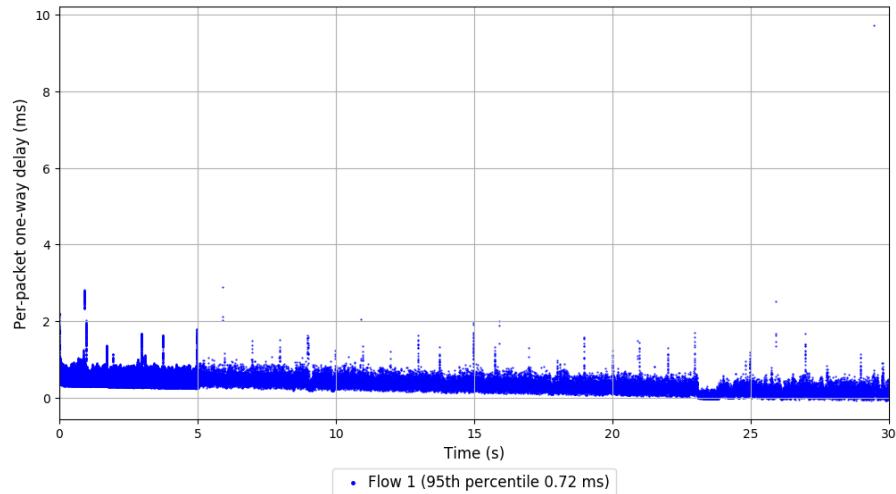
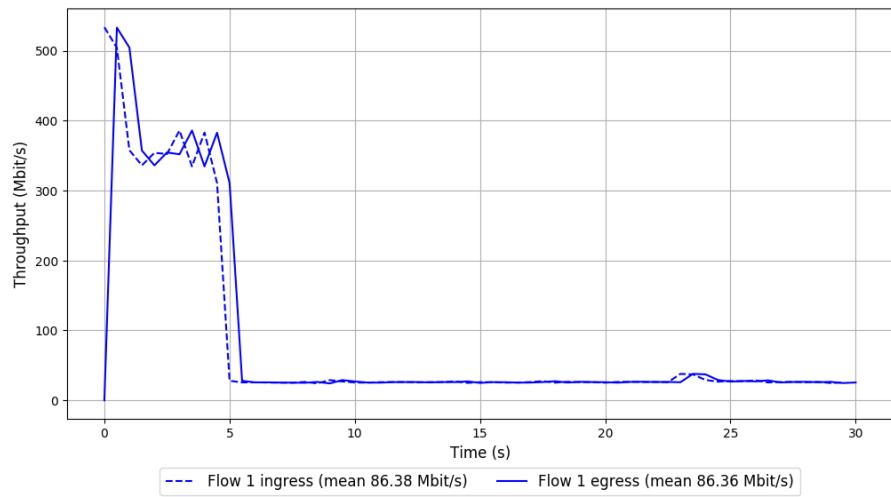


Run 5: Statistics of TCP Vegas

```
Start at: 2019-01-18 20:50:34
End at: 2019-01-18 20:51:04
Local clock offset: 2.113 ms
Remote clock offset: 0.848 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.36 Mbit/s
95th percentile per-packet one-way delay: 0.720 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 86.36 Mbit/s
95th percentile per-packet one-way delay: 0.720 ms
Loss rate: 0.02%
```

Run 5: Report of TCP Vegas — Data Link

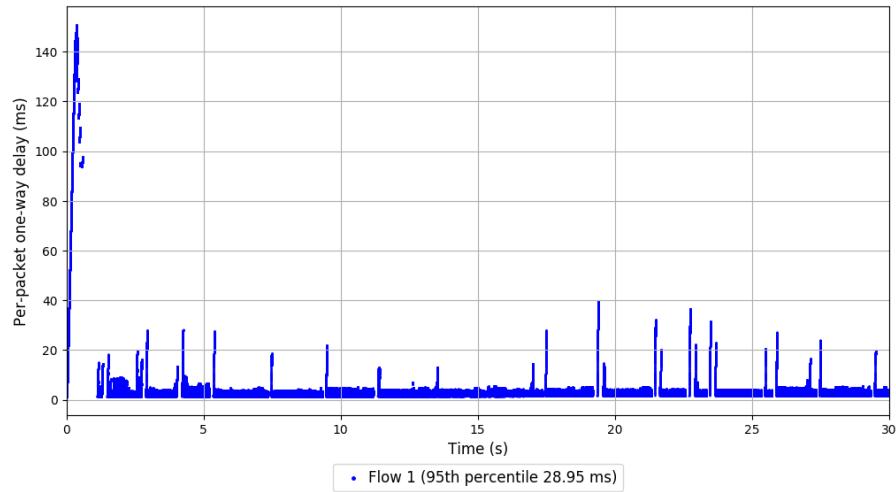
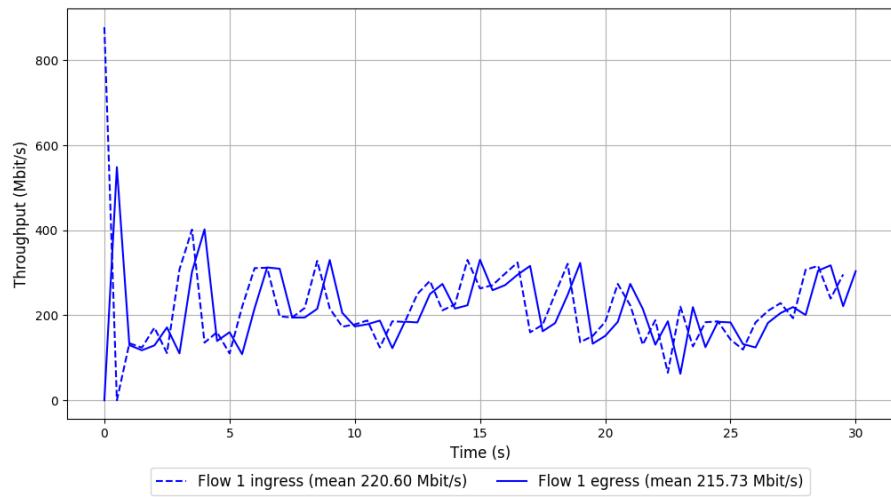


Run 1: Statistics of Verus

```
Start at: 2019-01-18 18:50:49
End at: 2019-01-18 18:51:19
Local clock offset: -2.313 ms
Remote clock offset: -0.782 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.73 Mbit/s
95th percentile per-packet one-way delay: 28.949 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 215.73 Mbit/s
95th percentile per-packet one-way delay: 28.949 ms
Loss rate: 2.21%
```

Run 1: Report of Verus — Data Link

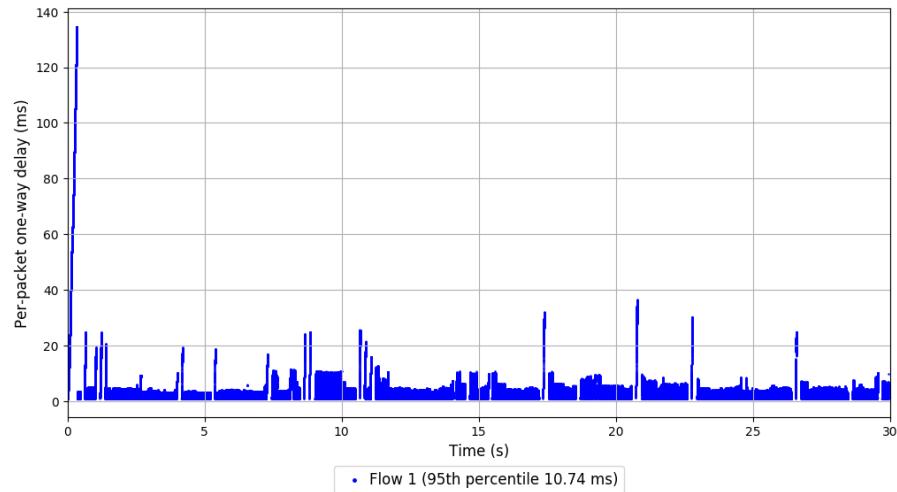
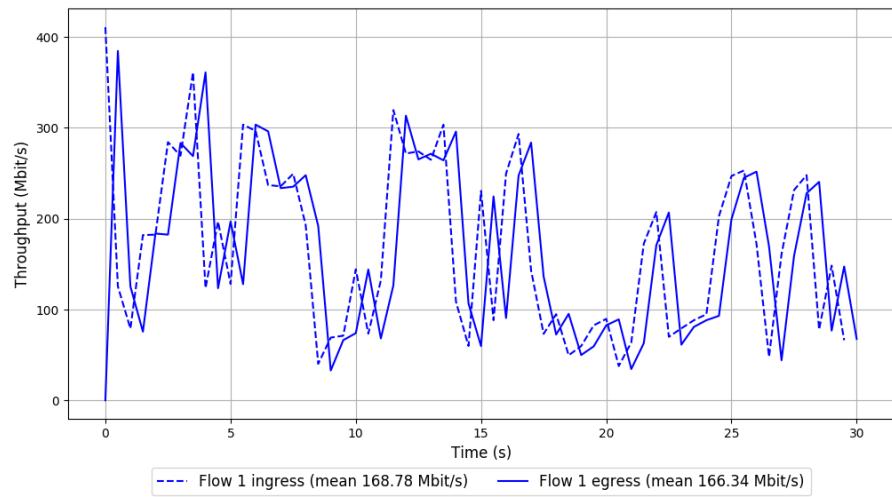


Run 2: Statistics of Verus

```
Start at: 2019-01-18 19:19:21
End at: 2019-01-18 19:19:51
Local clock offset: 5.041 ms
Remote clock offset: 2.575 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 166.34 Mbit/s
95th percentile per-packet one-way delay: 10.741 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 166.34 Mbit/s
95th percentile per-packet one-way delay: 10.741 ms
Loss rate: 1.43%
```

Run 2: Report of Verus — Data Link

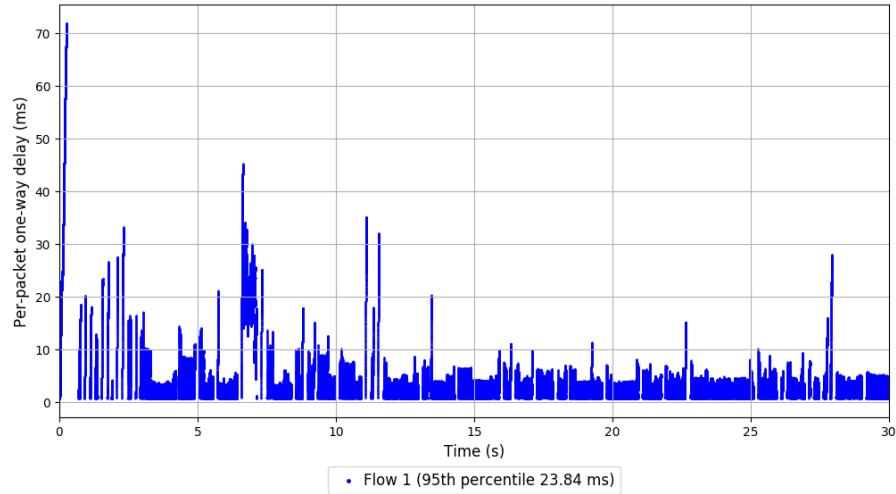
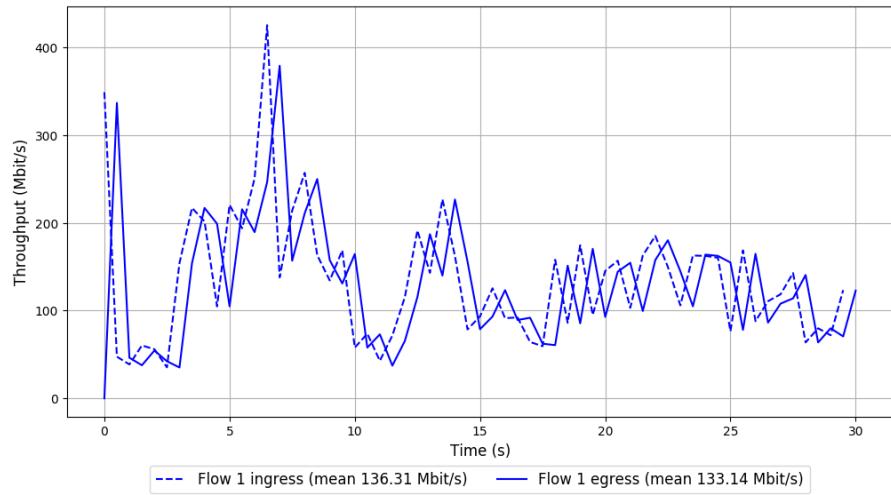


Run 3: Statistics of Verus

```
Start at: 2019-01-18 19:48:00
End at: 2019-01-18 19:48:30
Local clock offset: 7.319 ms
Remote clock offset: 2.664 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 133.14 Mbit/s
95th percentile per-packet one-way delay: 23.835 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 133.14 Mbit/s
95th percentile per-packet one-way delay: 23.835 ms
Loss rate: 2.31%
```

Run 3: Report of Verus — Data Link

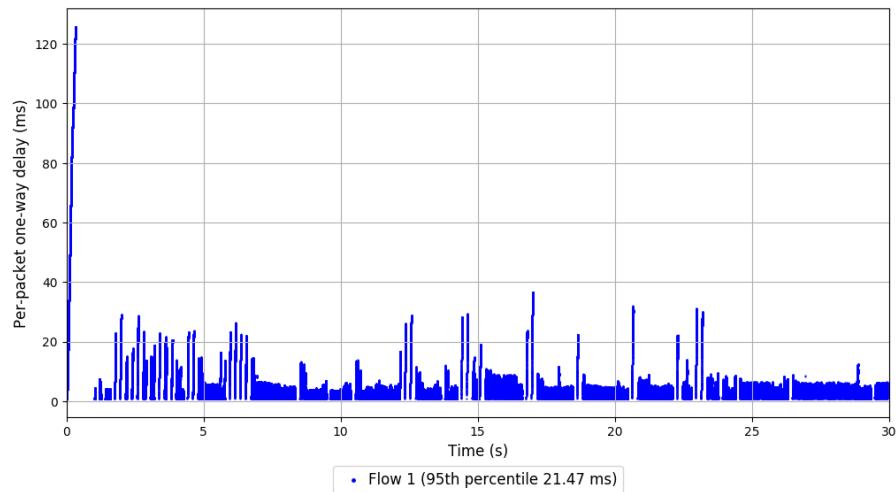
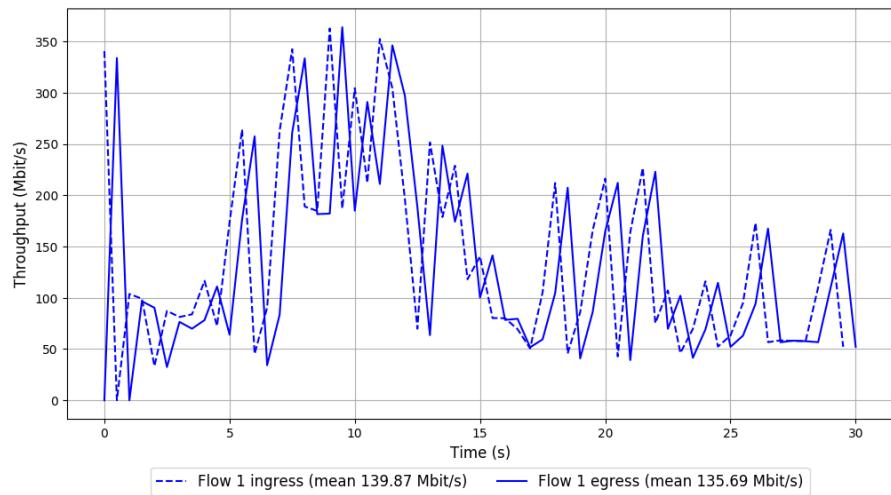


Run 4: Statistics of Verus

```
Start at: 2019-01-18 20:16:26
End at: 2019-01-18 20:16:56
Local clock offset: 2.904 ms
Remote clock offset: 0.806 ms

# Below is generated by plot.py at 2019-01-18 21:59:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 135.69 Mbit/s
95th percentile per-packet one-way delay: 21.466 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 135.69 Mbit/s
95th percentile per-packet one-way delay: 21.466 ms
Loss rate: 2.99%
```

Run 4: Report of Verus — Data Link

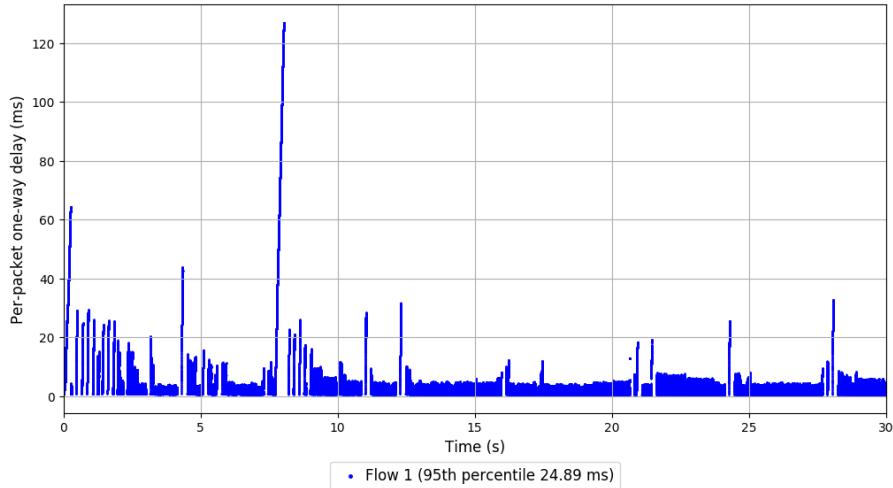
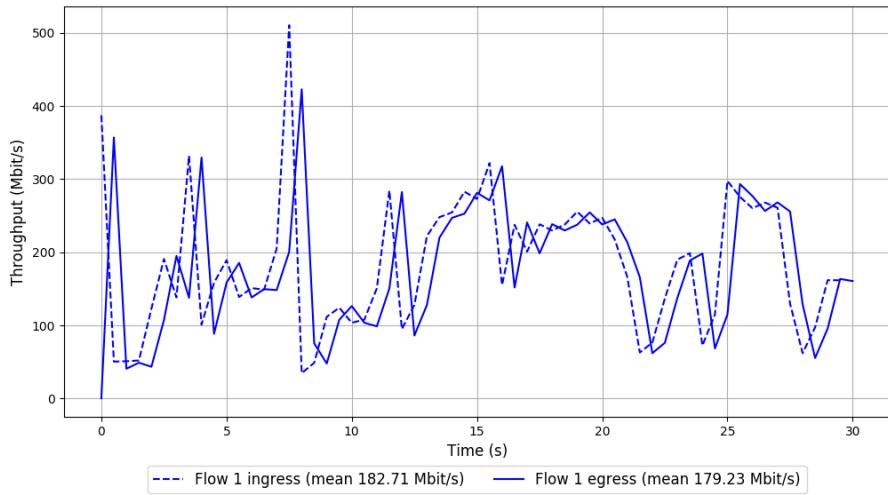


Run 5: Statistics of Verus

```
Start at: 2019-01-18 20:45:07
End at: 2019-01-18 20:45:37
Local clock offset: 2.753 ms
Remote clock offset: -0.986 ms

# Below is generated by plot.py at 2019-01-18 21:59:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.23 Mbit/s
95th percentile per-packet one-way delay: 24.894 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 179.23 Mbit/s
95th percentile per-packet one-way delay: 24.894 ms
Loss rate: 1.90%
```

Run 5: Report of Verus — Data Link

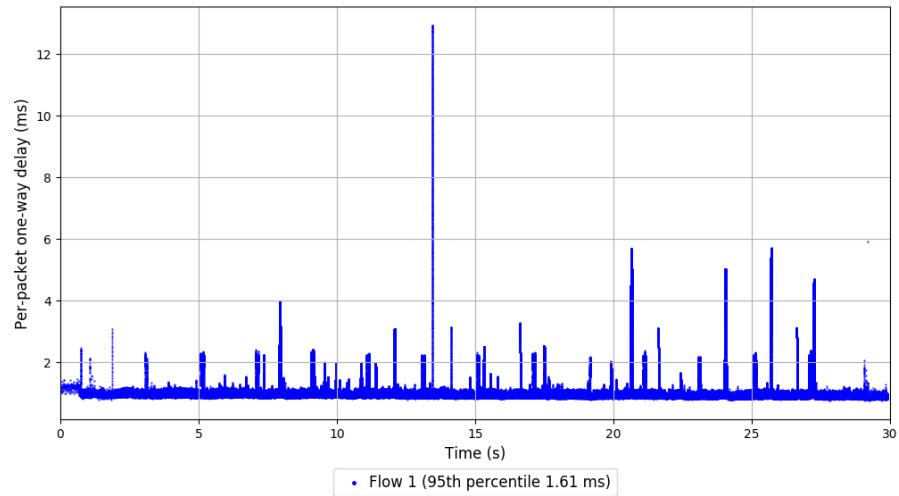
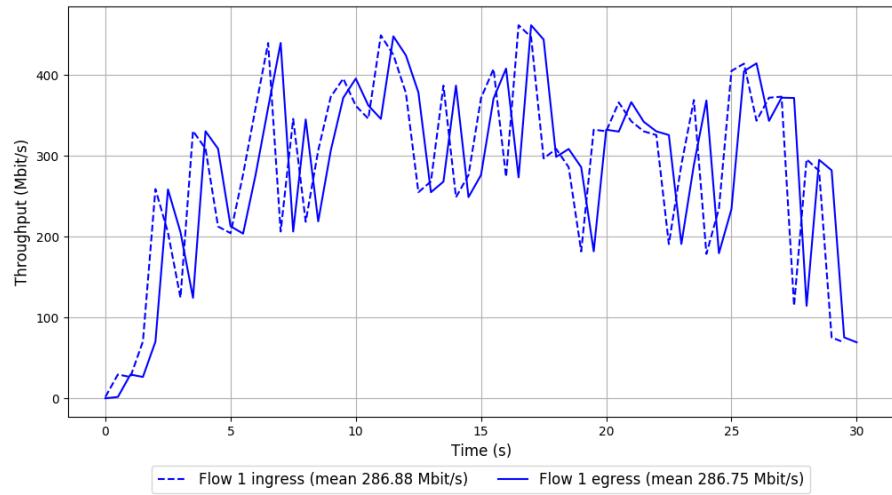


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-01-18 19:07:06
End at: 2019-01-18 19:07:36
Local clock offset: 3.542 ms
Remote clock offset: 0.637 ms

# Below is generated by plot.py at 2019-01-18 22:00:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 286.75 Mbit/s
95th percentile per-packet one-way delay: 1.615 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 286.75 Mbit/s
95th percentile per-packet one-way delay: 1.615 ms
Loss rate: 0.05%
```

Run 1: Report of PCC-Vivace — Data Link

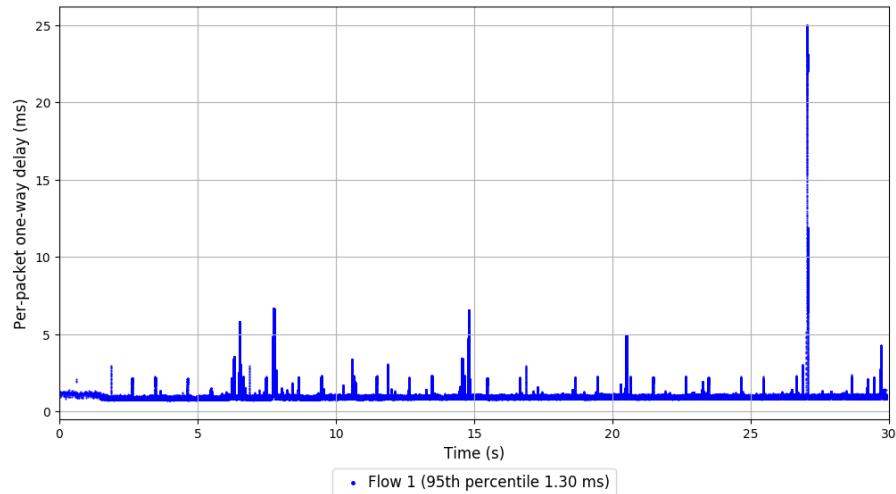
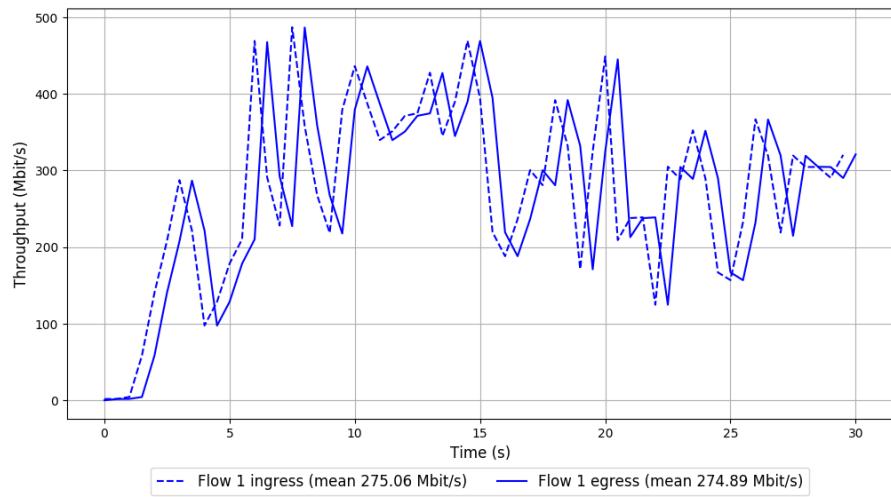


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-01-18 19:35:47
End at: 2019-01-18 19:36:18
Local clock offset: 6.406 ms
Remote clock offset: 3.124 ms

# Below is generated by plot.py at 2019-01-18 22:00:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 274.89 Mbit/s
95th percentile per-packet one-way delay: 1.299 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 274.89 Mbit/s
95th percentile per-packet one-way delay: 1.299 ms
Loss rate: 0.06%
```

Run 2: Report of PCC-Vivace — Data Link

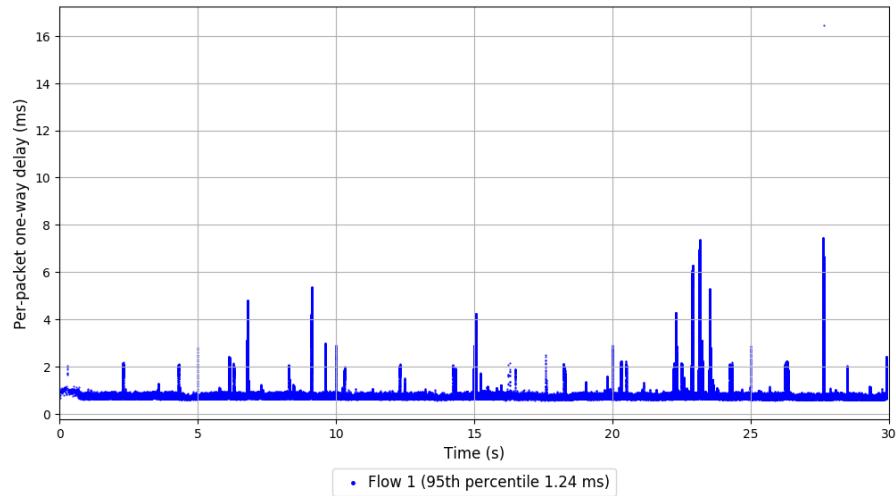
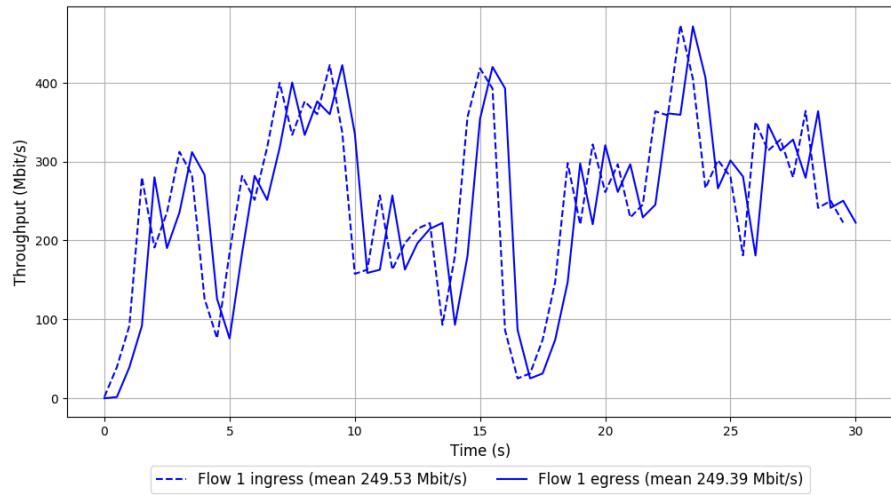


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-01-18 20:04:14
End at: 2019-01-18 20:04:44
Local clock offset: 3.618 ms
Remote clock offset: 2.469 ms

# Below is generated by plot.py at 2019-01-18 22:00:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 249.39 Mbit/s
95th percentile per-packet one-way delay: 1.239 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 249.39 Mbit/s
95th percentile per-packet one-way delay: 1.239 ms
Loss rate: 0.06%
```

Run 3: Report of PCC-Vivace — Data Link

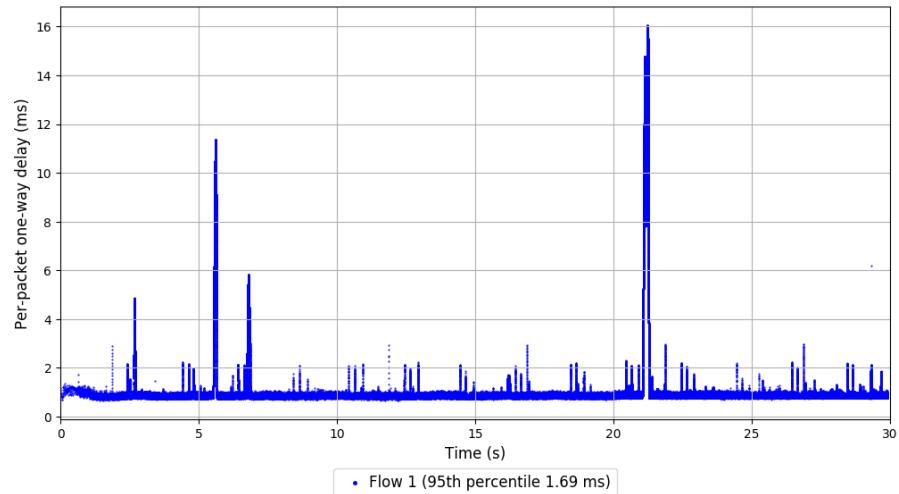
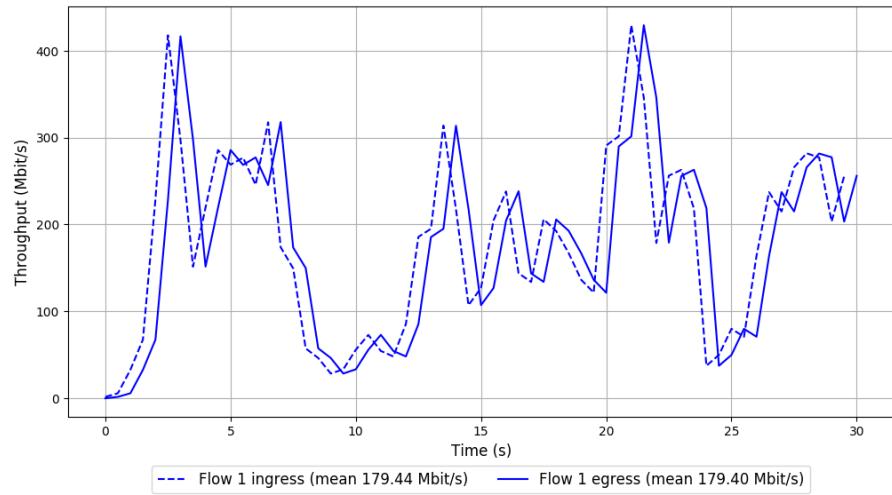


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-01-18 20:32:53
End at: 2019-01-18 20:33:23
Local clock offset: 2.809 ms
Remote clock offset: -0.989 ms

# Below is generated by plot.py at 2019-01-18 22:00:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.40 Mbit/s
95th percentile per-packet one-way delay: 1.691 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 179.40 Mbit/s
95th percentile per-packet one-way delay: 1.691 ms
Loss rate: 0.02%
```

Run 4: Report of PCC-Vivace — Data Link

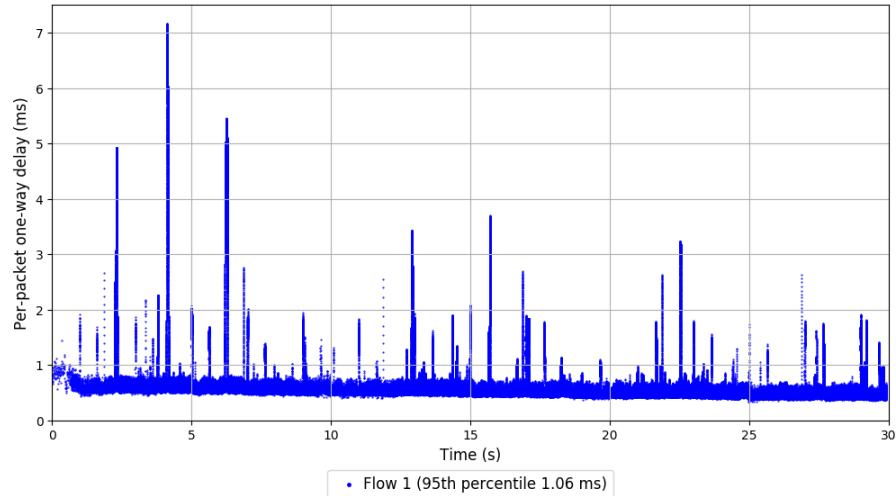
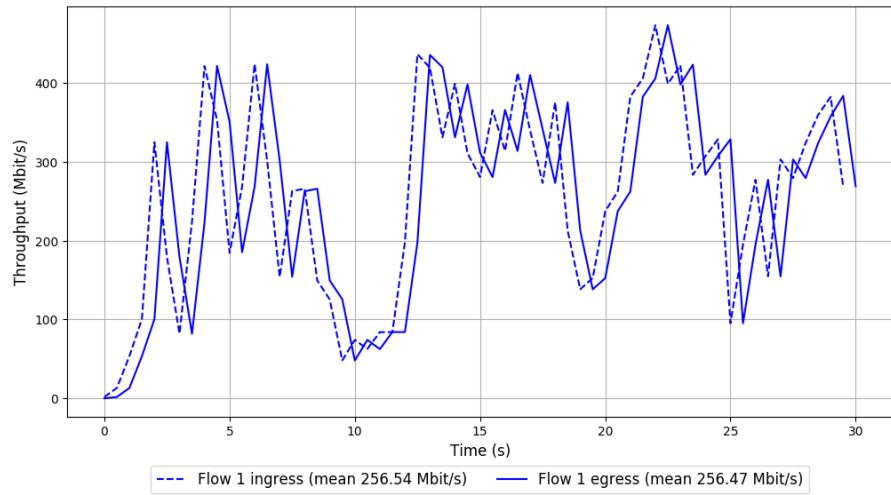


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-01-18 21:01:35
End at: 2019-01-18 21:02:05
Local clock offset: -2.497 ms
Remote clock offset: 2.403 ms

# Below is generated by plot.py at 2019-01-18 22:00:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 256.47 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 256.47 Mbit/s
95th percentile per-packet one-way delay: 1.056 ms
Loss rate: 0.03%
```

Run 5: Report of PCC-Vivace — Data Link

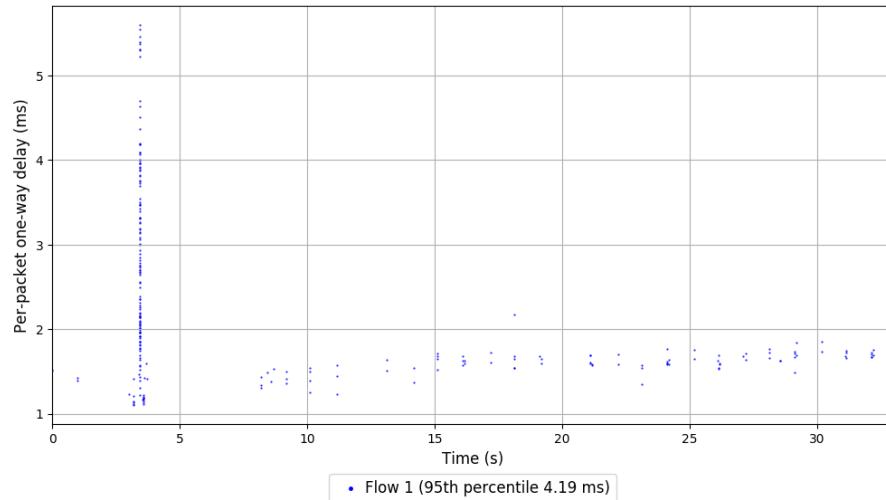
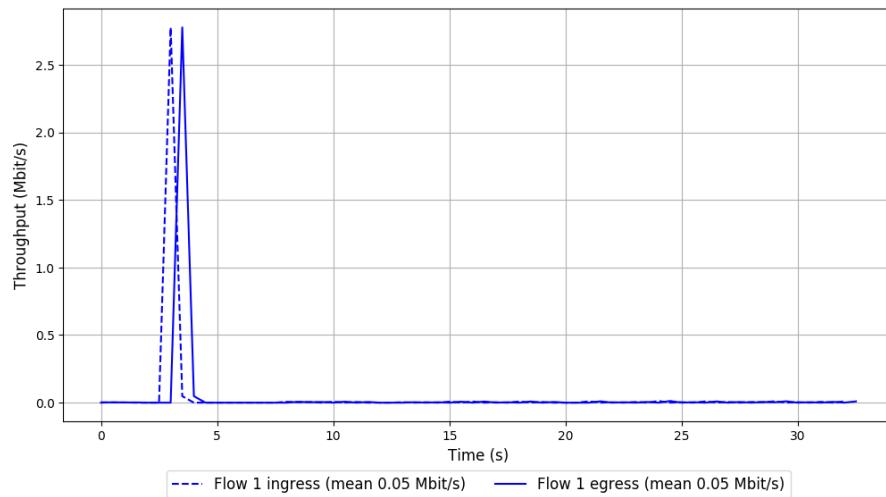


```
Run 1: Statistics of WebRTC media

Start at: 2019-01-18 18:53:26
End at: 2019-01-18 18:53:56
Local clock offset: -0.603 ms
Remote clock offset: -1.027 ms

# Below is generated by plot.py at 2019-01-18 22:00:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.193 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.193 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

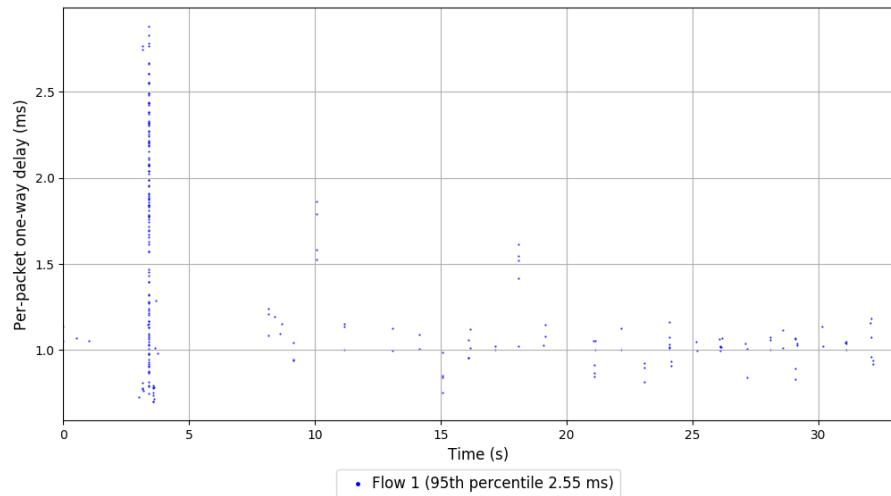
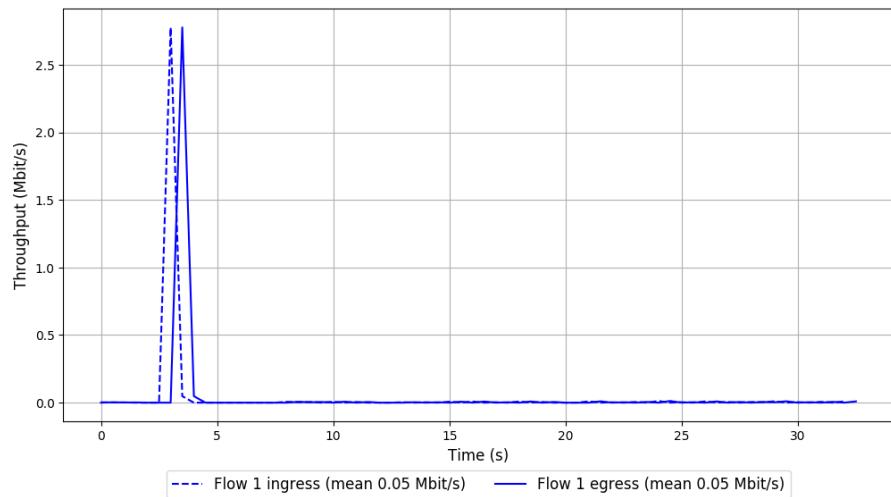


```
Run 2: Statistics of WebRTC media

Start at: 2019-01-18 19:21:56
End at: 2019-01-18 19:22:26
Local clock offset: 5.315 ms
Remote clock offset: 2.683 ms

# Below is generated by plot.py at 2019-01-18 22:00:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.550 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 2.550 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

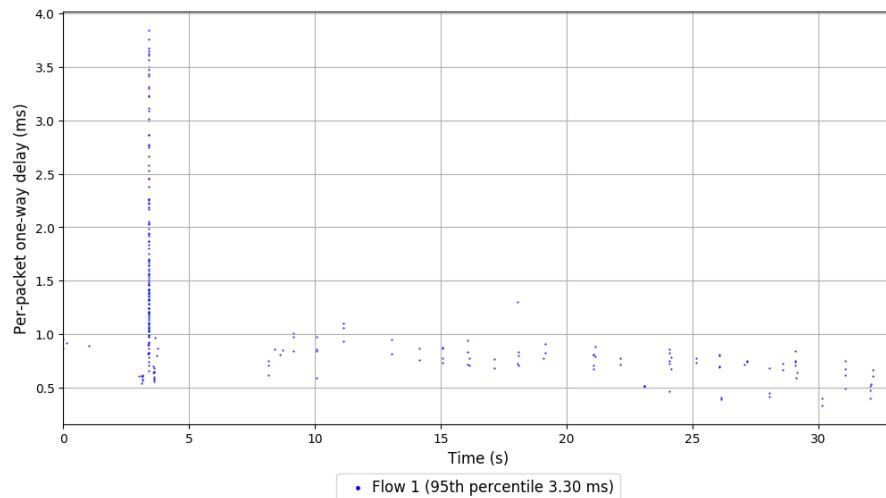
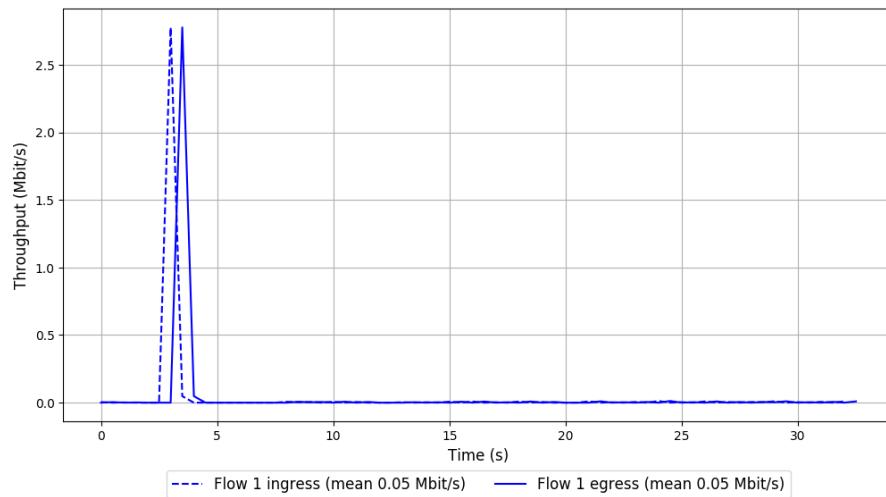


```
Run 3: Statistics of WebRTC media

Start at: 2019-01-18 19:50:34
End at: 2019-01-18 19:51:04
Local clock offset: 6.92 ms
Remote clock offset: 2.698 ms

# Below is generated by plot.py at 2019-01-18 22:00:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.299 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.299 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

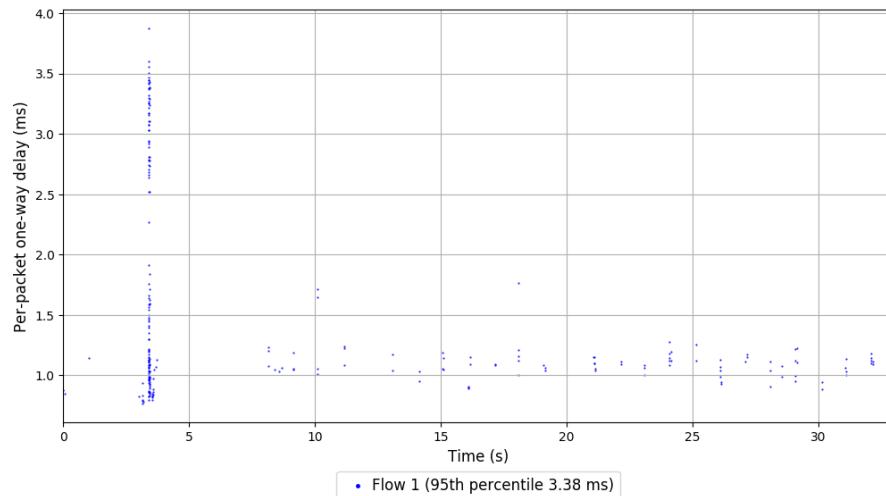
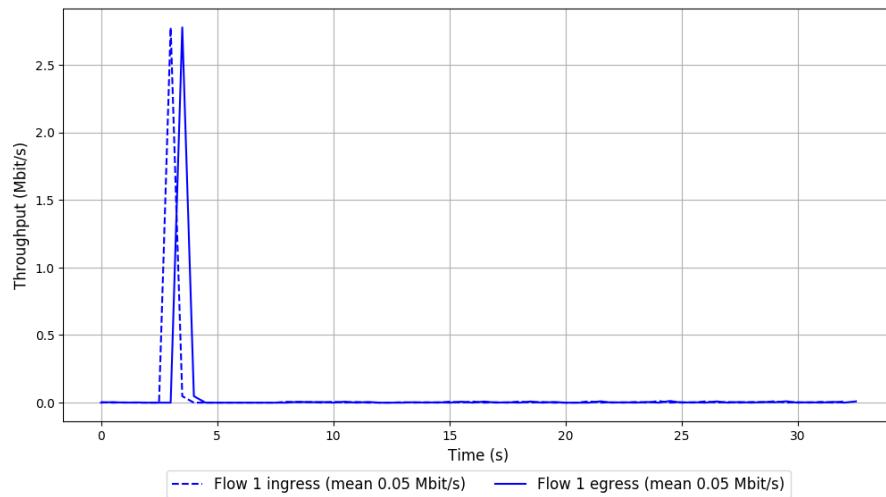


Run 4: Statistics of WebRTC media

```
Start at: 2019-01-18 20:19:00
End at: 2019-01-18 20:19:30
Local clock offset: 2.815 ms
Remote clock offset: 0.382 ms

# Below is generated by plot.py at 2019-01-18 22:00:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.379 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.379 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-01-18 20:47:43
End at: 2019-01-18 20:48:13
Local clock offset: 2.729 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2019-01-18 22:00:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 5.553 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 5.553 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

