

Pantheon Report

Generated at 2019-01-24 16:34:16 (UTC).
Data path: AWS Brazil 2 on `ens5` (*local*) → Colombia on `p4p1` (*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 `gps.ntp.br` and have been applied to correct the timestamps in logs.

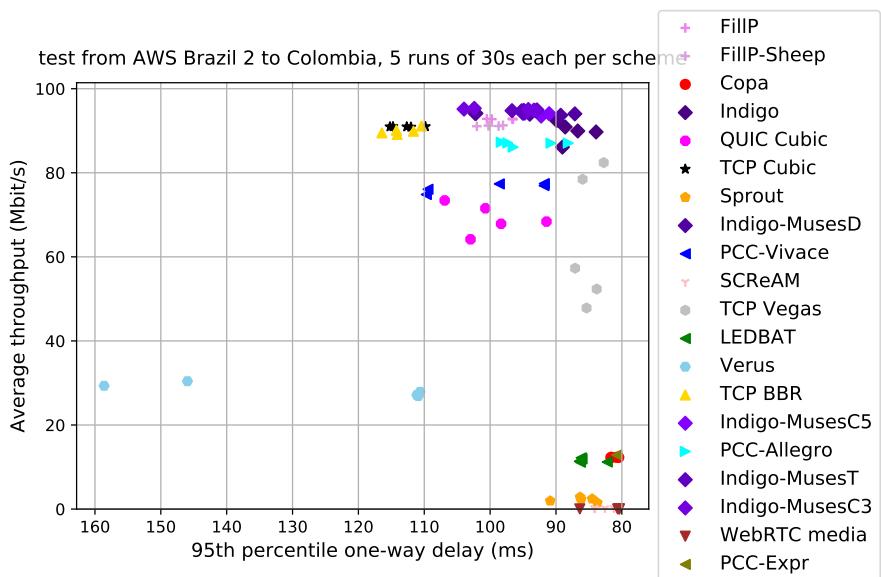
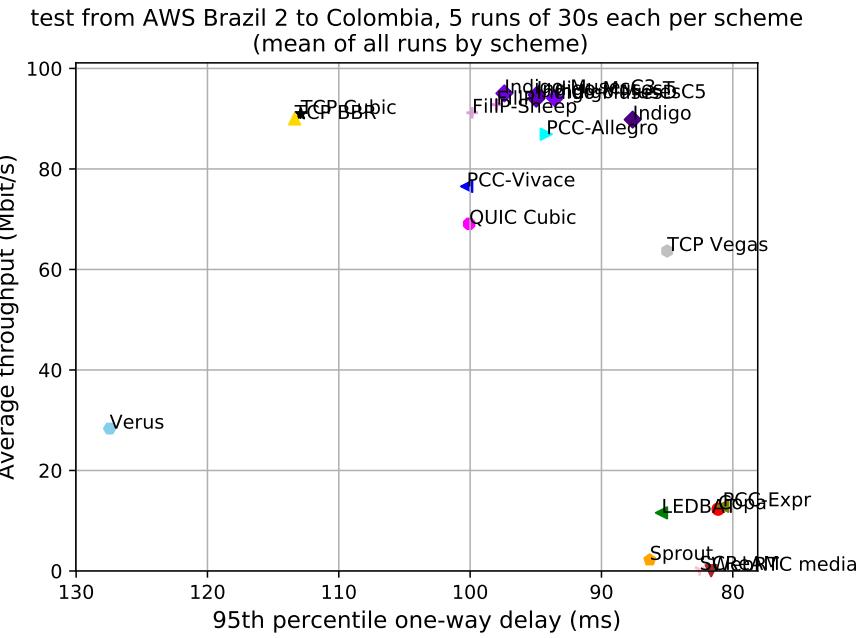
System info:

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

Git summary:

```
branch: muses @ 0b8e9a949603c3842368430acf469eec3b941f9f
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ d9c5ea33091330aca25ecd105ab2db6d34d5c40d
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851



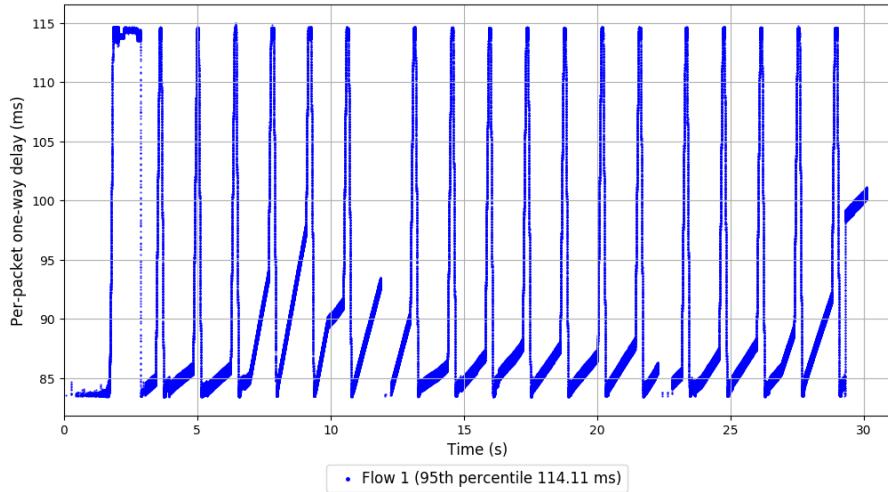
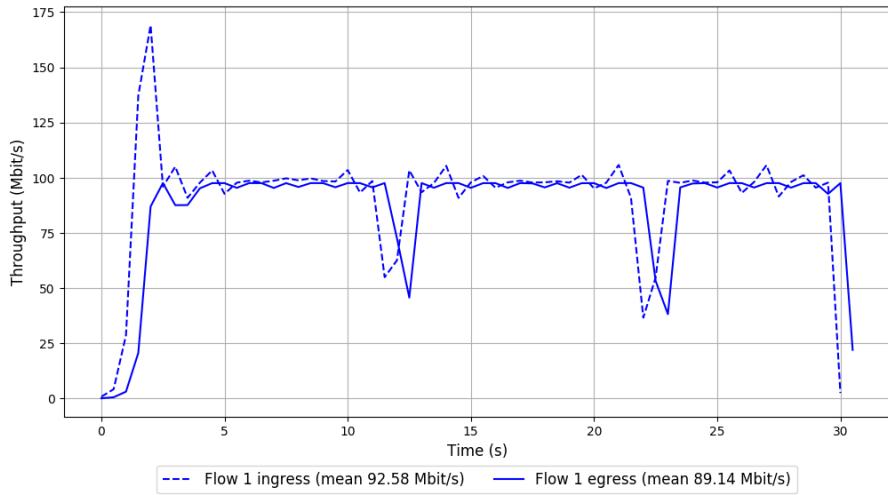
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	89.95	113.36	3.10
Copa	4	12.30	81.12	73.48
TCP Cubic	5	90.95	112.89	0.45
FillP	5	92.79	98.00	0.96
FillP-Sheep	5	91.18	99.85	1.01
Indigo	5	89.82	87.63	1.02
Indigo-MusesC3	5	95.04	97.39	0.31
Indigo-MusesC5	5	94.09	93.54	0.00
Indigo-MusesD	5	93.98	94.96	0.46
Indigo-MusesT	5	94.70	94.93	2.19
LEDBAT	5	11.57	85.43	0.01
PCC-Allegro	5	86.91	94.20	1.50
PCC-Expr	1	12.88	80.77	35.93
QUIC Cubic	5	69.08	100.07	0.36
SCReAM	5	0.22	82.52	0.03
Sprout	5	2.21	86.32	0.00
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	63.67	85.00	0.82
Verus	5	28.33	127.45	33.80
PCC-Vivace	5	76.53	100.26	0.09
WebRTC media	5	0.05	81.65	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-01-24 14:23:13
End at: 2019-01-24 14:23:43
Local clock offset: -4.235 ms
Remote clock offset: 7.945 ms

# Below is generated by plot.py at 2019-01-24 16:25:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.14 Mbit/s
95th percentile per-packet one-way delay: 114.106 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 89.14 Mbit/s
95th percentile per-packet one-way delay: 114.106 ms
Loss rate: 3.66%
```

Run 1: Report of TCP BBR — Data Link

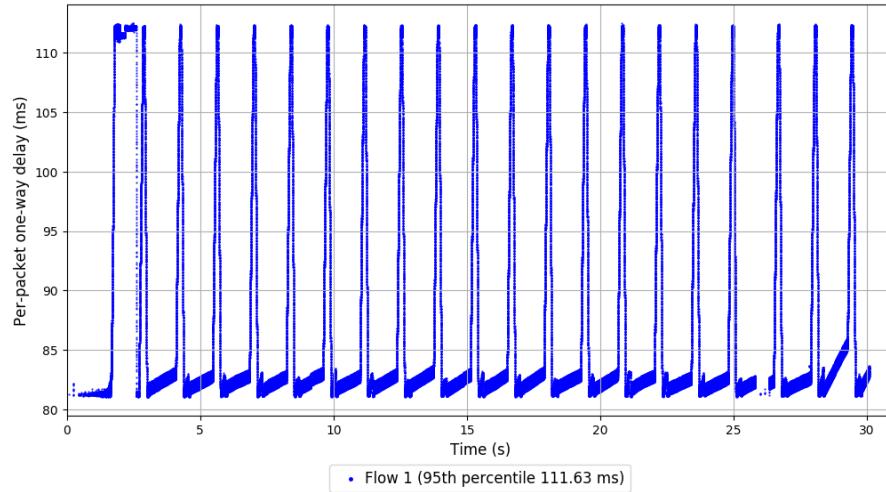
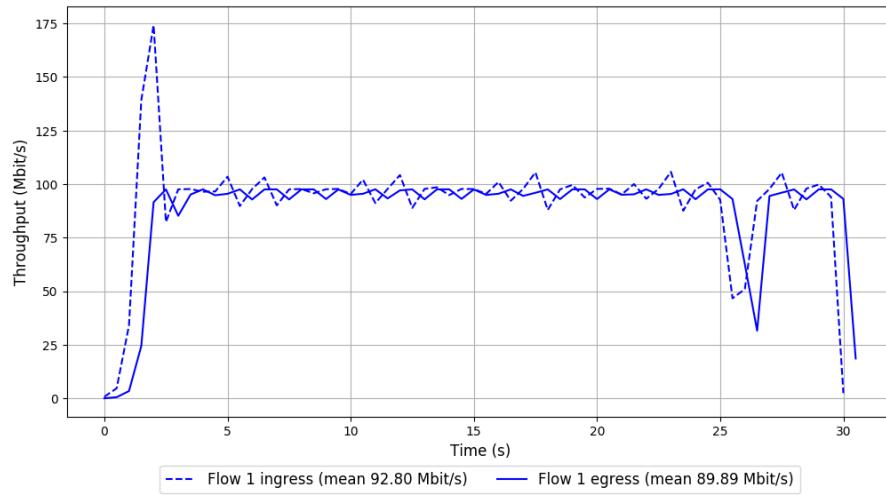


Run 2: Statistics of TCP BBR

```
Start at: 2019-01-24 14:47:52
End at: 2019-01-24 14:48:22
Local clock offset: -1.261 ms
Remote clock offset: 5.041 ms

# Below is generated by plot.py at 2019-01-24 16:25:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.89 Mbit/s
95th percentile per-packet one-way delay: 111.630 ms
Loss rate: 3.12%
-- Flow 1:
Average throughput: 89.89 Mbit/s
95th percentile per-packet one-way delay: 111.630 ms
Loss rate: 3.12%
```

Run 2: Report of TCP BBR — Data Link

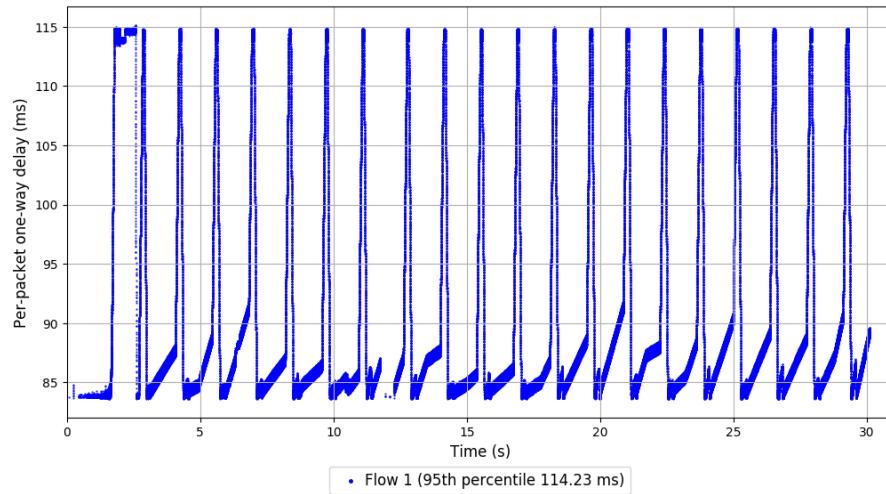
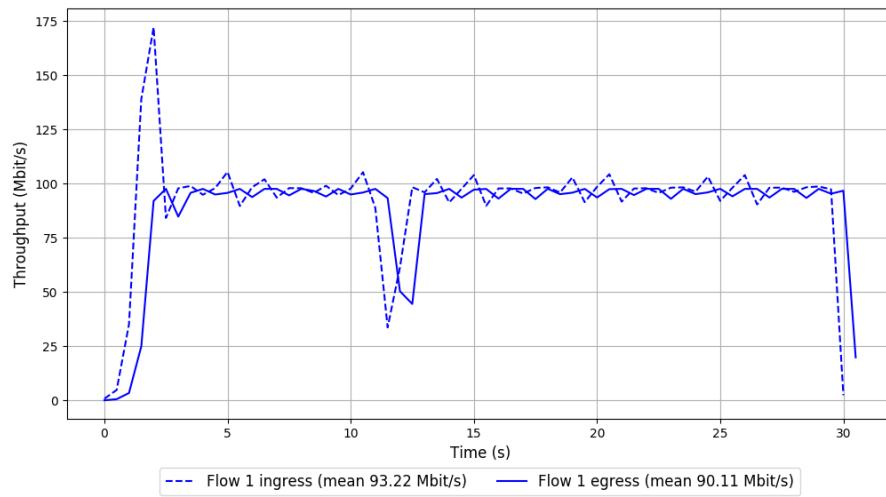


Run 3: Statistics of TCP BBR

```
Start at: 2019-01-24 15:12:30
End at: 2019-01-24 15:13:00
Local clock offset: -2.121 ms
Remote clock offset: 7.719 ms

# Below is generated by plot.py at 2019-01-24 16:25:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.11 Mbit/s
95th percentile per-packet one-way delay: 114.228 ms
Loss rate: 3.31%
-- Flow 1:
Average throughput: 90.11 Mbit/s
95th percentile per-packet one-way delay: 114.228 ms
Loss rate: 3.31%
```

Run 3: Report of TCP BBR — Data Link

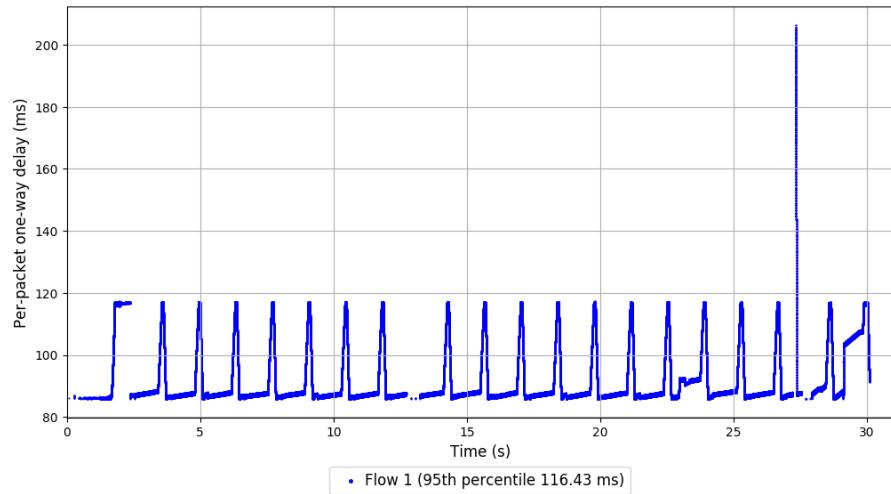
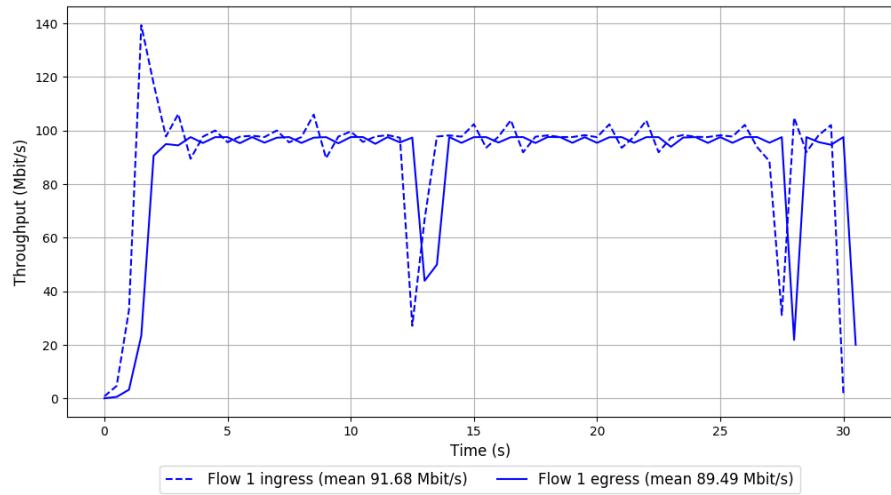


Run 4: Statistics of TCP BBR

```
Start at: 2019-01-24 15:37:07
End at: 2019-01-24 15:37:37
Local clock offset: -4.504 ms
Remote clock offset: 8.112 ms

# Below is generated by plot.py at 2019-01-24 16:25:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.49 Mbit/s
95th percentile per-packet one-way delay: 116.432 ms
Loss rate: 2.38%
-- Flow 1:
Average throughput: 89.49 Mbit/s
95th percentile per-packet one-way delay: 116.432 ms
Loss rate: 2.38%
```

Run 4: Report of TCP BBR — Data Link

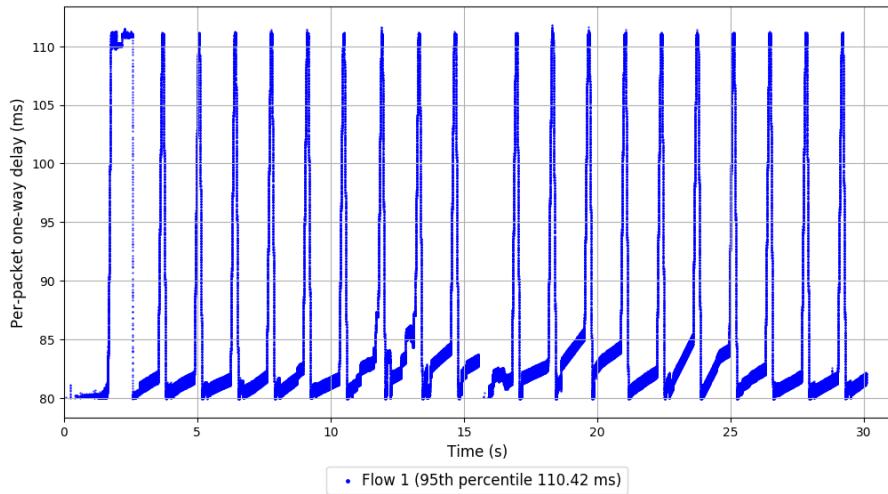
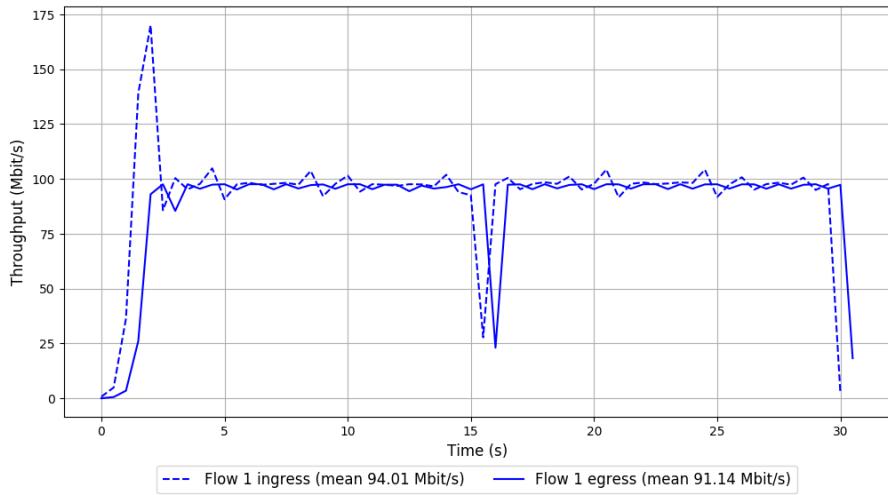


Run 5: Statistics of TCP BBR

```
Start at: 2019-01-24 16:01:46
End at: 2019-01-24 16:02:16
Local clock offset: -6.165 ms
Remote clock offset: 4.193 ms

# Below is generated by plot.py at 2019-01-24 16:25:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: 110.419 ms
Loss rate: 3.04%
-- Flow 1:
Average throughput: 91.14 Mbit/s
95th percentile per-packet one-way delay: 110.419 ms
Loss rate: 3.04%
```

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

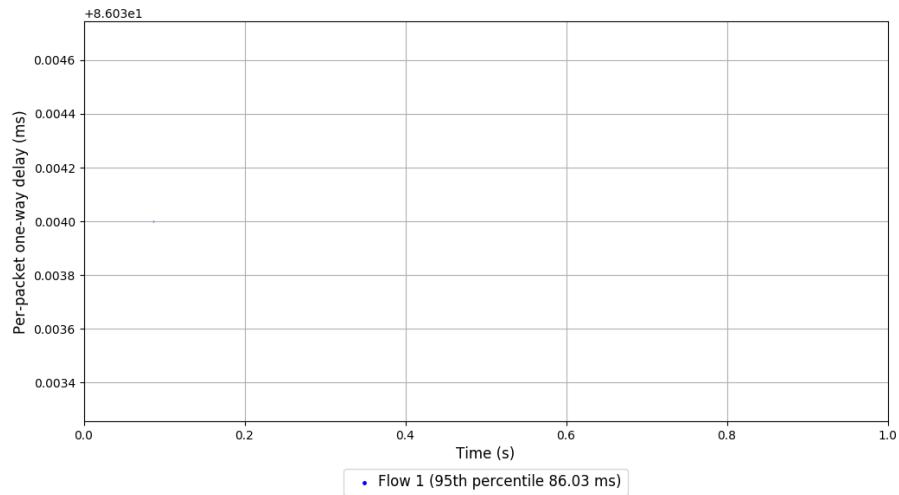
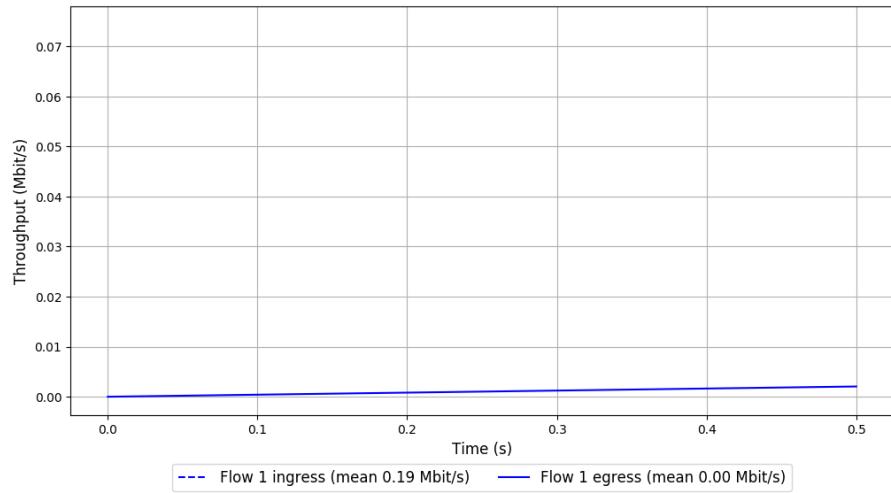
Start at: 2019-01-24 14:20:59

End at: 2019-01-24 14:21:29

Local clock offset: -4.253 ms

Remote clock offset: 8.079 ms

Run 1: Report of Copa — Data Link

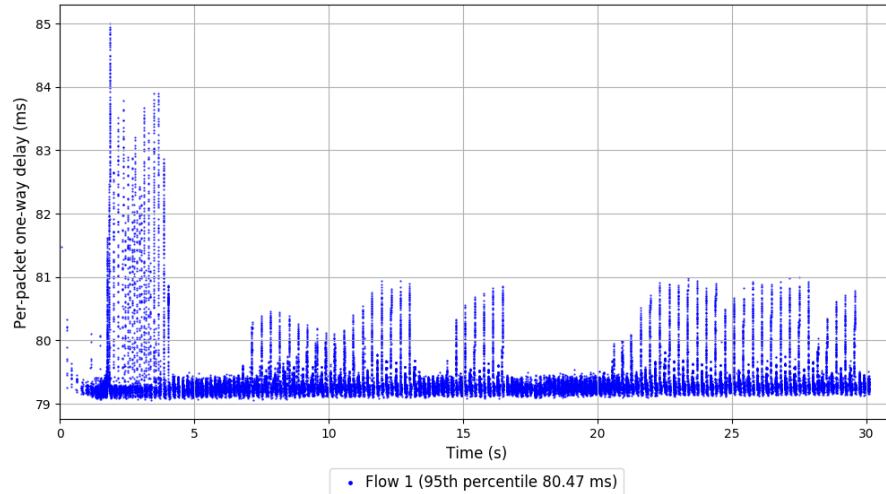
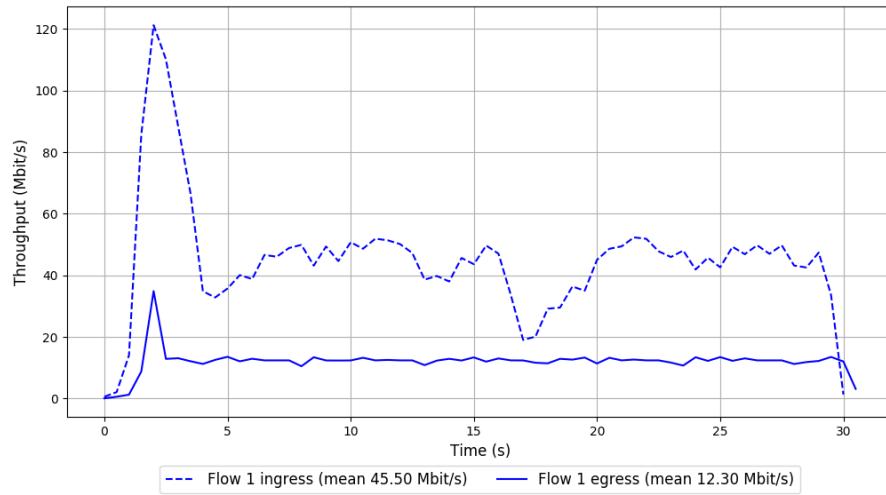


Run 2: Statistics of Copa

```
Start at: 2019-01-24 14:45:35
End at: 2019-01-24 14:46:05
Local clock offset: -1.448 ms
Remote clock offset: 3.94 ms

# Below is generated by plot.py at 2019-01-24 16:25:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 80.466 ms
Loss rate: 72.96%
-- Flow 1:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 80.466 ms
Loss rate: 72.96%
```

Run 2: Report of Copa — Data Link

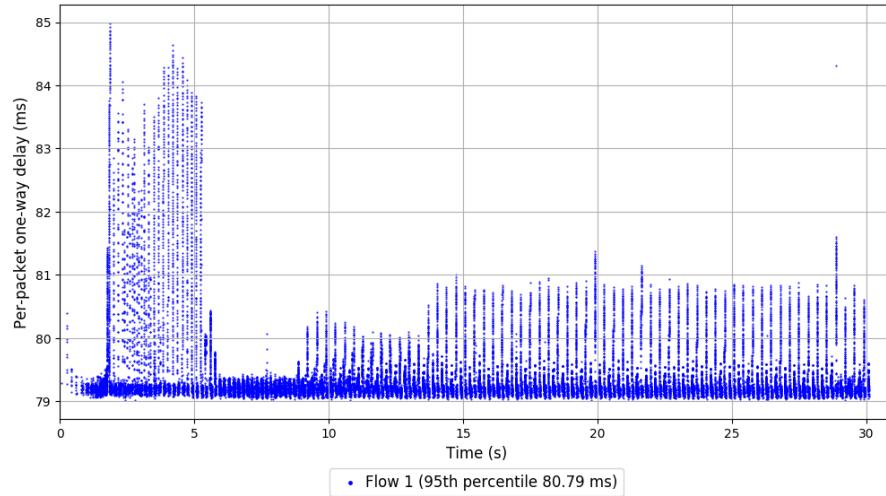
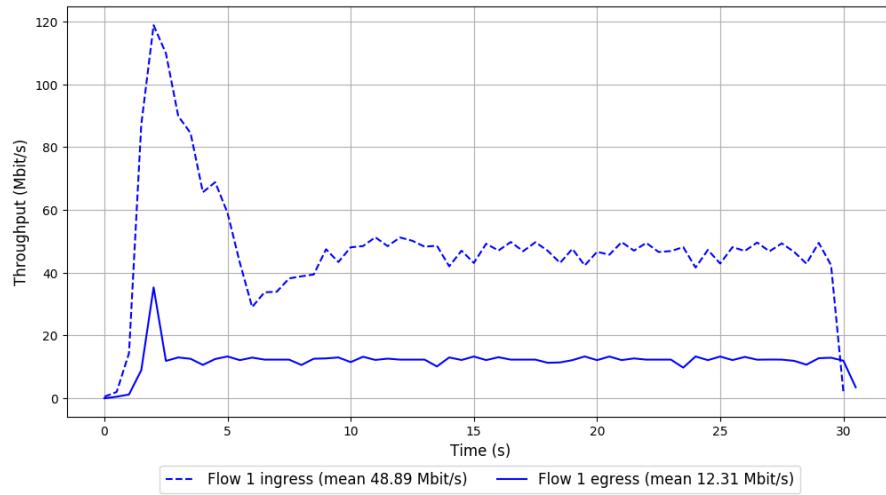


Run 3: Statistics of Copa

```
Start at: 2019-01-24 15:10:14
End at: 2019-01-24 15:10:44
Local clock offset: -1.228 ms
Remote clock offset: 3.935 ms

# Below is generated by plot.py at 2019-01-24 16:25:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.31 Mbit/s
95th percentile per-packet one-way delay: 80.793 ms
Loss rate: 74.82%
-- Flow 1:
Average throughput: 12.31 Mbit/s
95th percentile per-packet one-way delay: 80.793 ms
Loss rate: 74.82%
```

Run 3: Report of Copa — Data Link

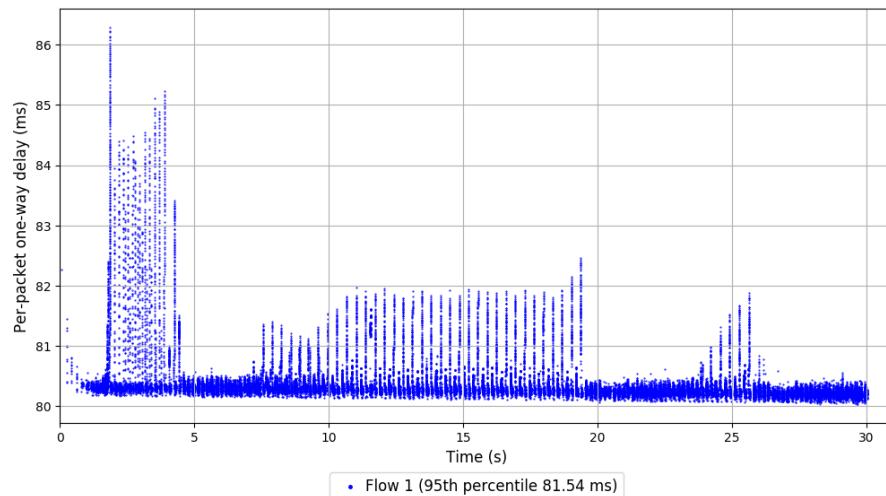
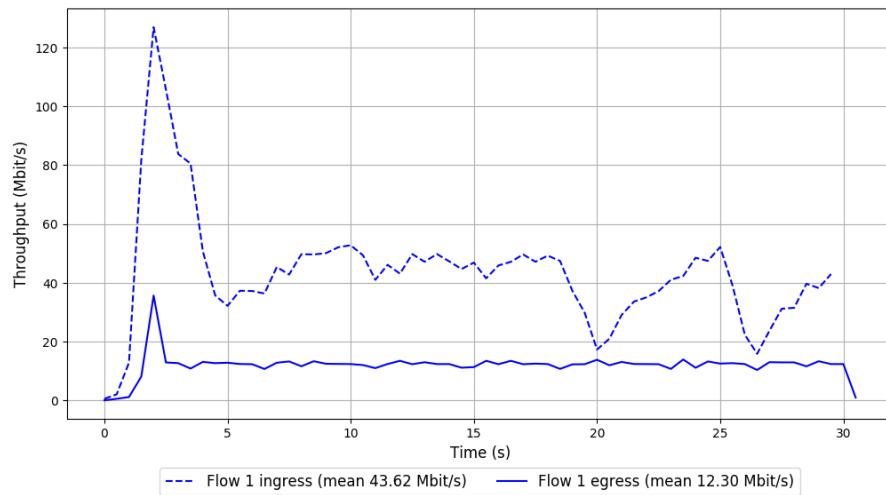


Run 4: Statistics of Copa

```
Start at: 2019-01-24 15:34:51
End at: 2019-01-24 15:35:21
Local clock offset: -3.012 ms
Remote clock offset: 3.39 ms

# Below is generated by plot.py at 2019-01-24 16:25:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 81.544 ms
Loss rate: 71.79%
-- Flow 1:
Average throughput: 12.30 Mbit/s
95th percentile per-packet one-way delay: 81.544 ms
Loss rate: 71.79%
```

Run 4: Report of Copa — Data Link

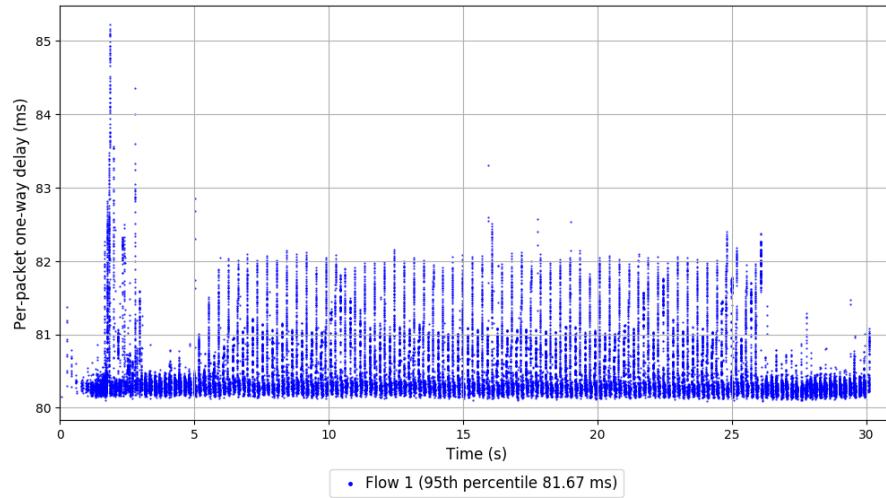
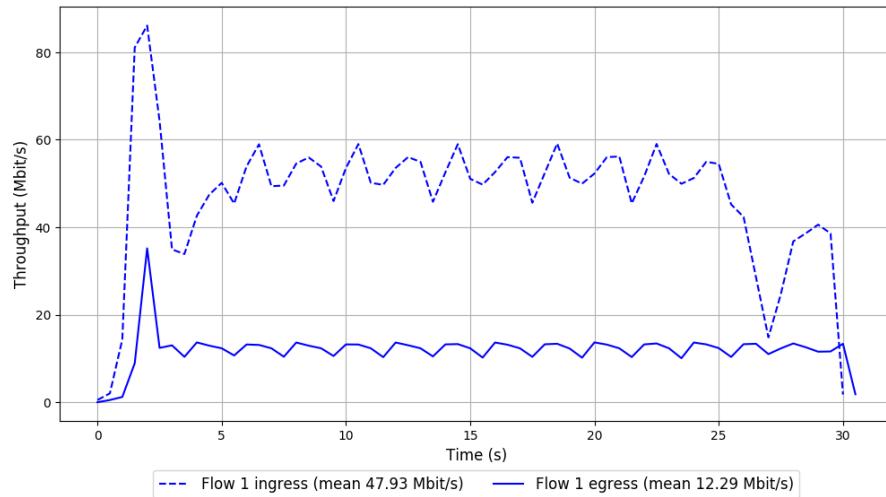


Run 5: Statistics of Copa

```
Start at: 2019-01-24 15:59:29
End at: 2019-01-24 15:59:59
Local clock offset: -5.945 ms
Remote clock offset: 4.202 ms

# Below is generated by plot.py at 2019-01-24 16:25:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 81.666 ms
Loss rate: 74.35%
-- Flow 1:
Average throughput: 12.29 Mbit/s
95th percentile per-packet one-way delay: 81.666 ms
Loss rate: 74.35%
```

Run 5: Report of Copa — Data Link

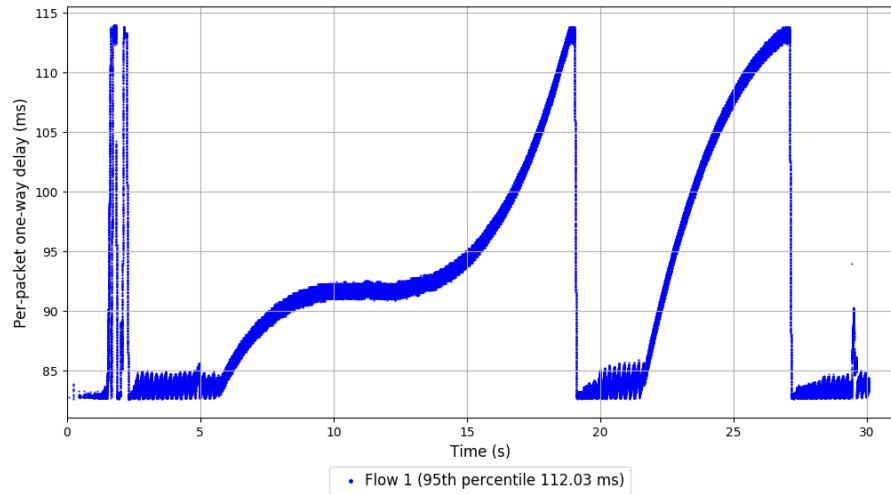
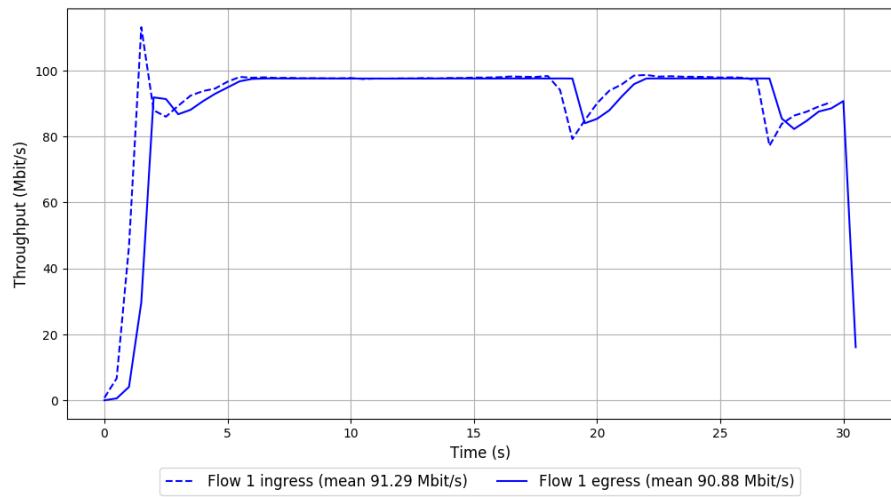


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-01-24 14:33:48
End at: 2019-01-24 14:34:18
Local clock offset: -3.404 ms
Remote clock offset: 4.882 ms

# Below is generated by plot.py at 2019-01-24 16:26:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: 112.030 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: 112.030 ms
Loss rate: 0.45%
```

Run 1: Report of TCP Cubic — Data Link

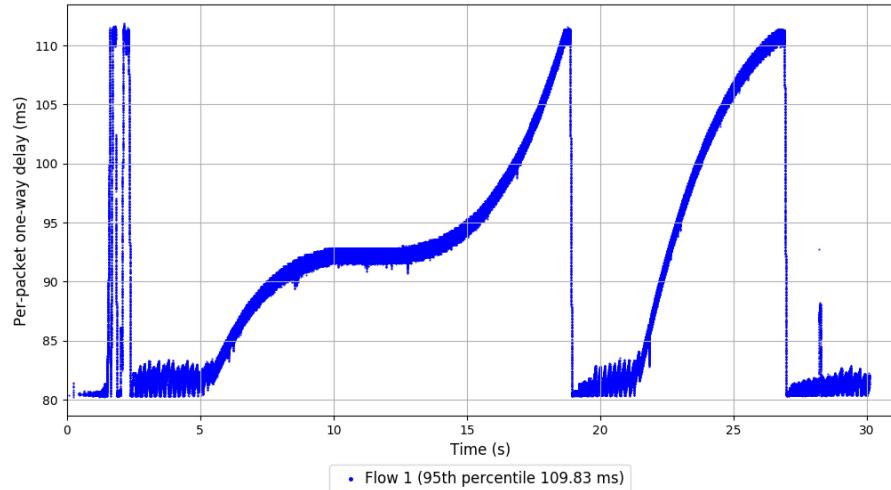
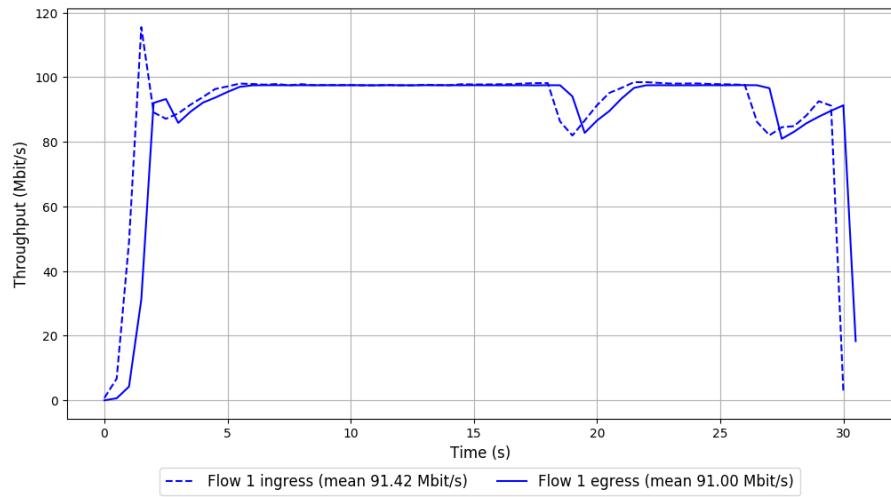


Run 2: Statistics of TCP Cubic

```
Start at: 2019-01-24 14:58:26
End at: 2019-01-24 14:58:56
Local clock offset: -0.829 ms
Remote clock offset: 3.904 ms

# Below is generated by plot.py at 2019-01-24 16:26:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.00 Mbit/s
95th percentile per-packet one-way delay: 109.827 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 91.00 Mbit/s
95th percentile per-packet one-way delay: 109.827 ms
Loss rate: 0.46%
```

Run 2: Report of TCP Cubic — Data Link

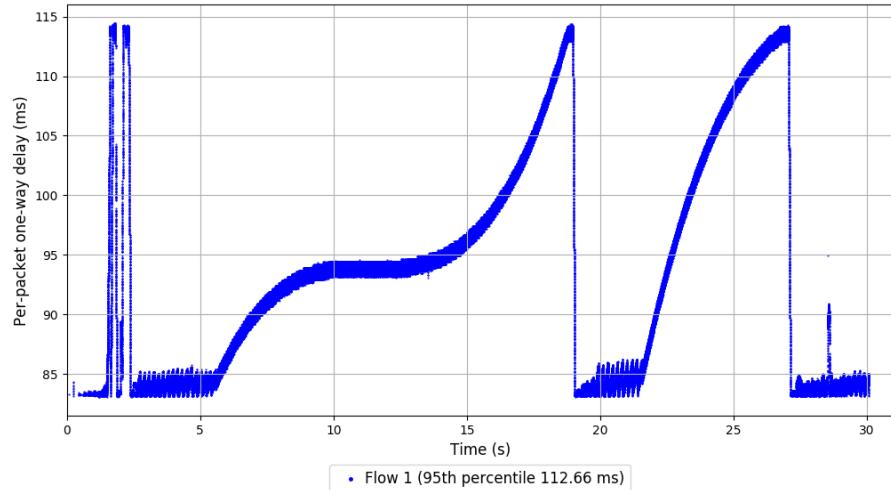
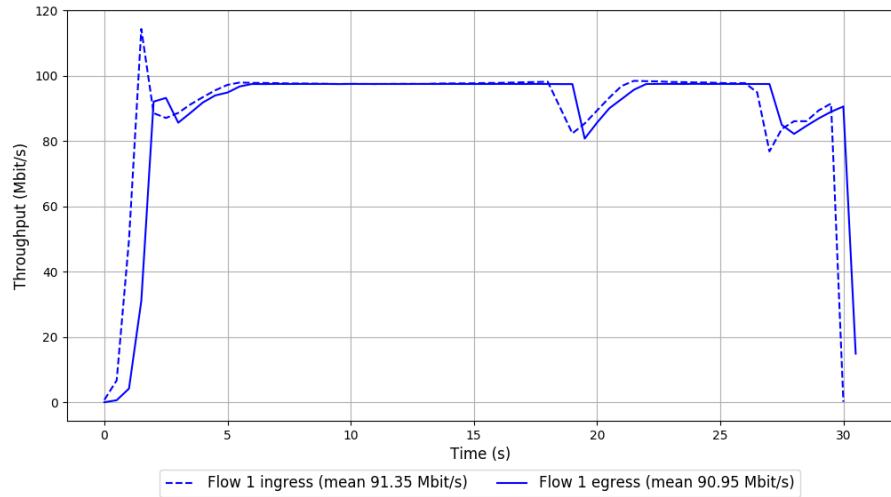


Run 3: Statistics of TCP Cubic

```
Start at: 2019-01-24 15:23:03
End at: 2019-01-24 15:23:33
Local clock offset: -1.114 ms
Remote clock offset: 7.905 ms

# Below is generated by plot.py at 2019-01-24 16:26:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.95 Mbit/s
95th percentile per-packet one-way delay: 112.657 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 90.95 Mbit/s
95th percentile per-packet one-way delay: 112.657 ms
Loss rate: 0.44%
```

Run 3: Report of TCP Cubic — Data Link

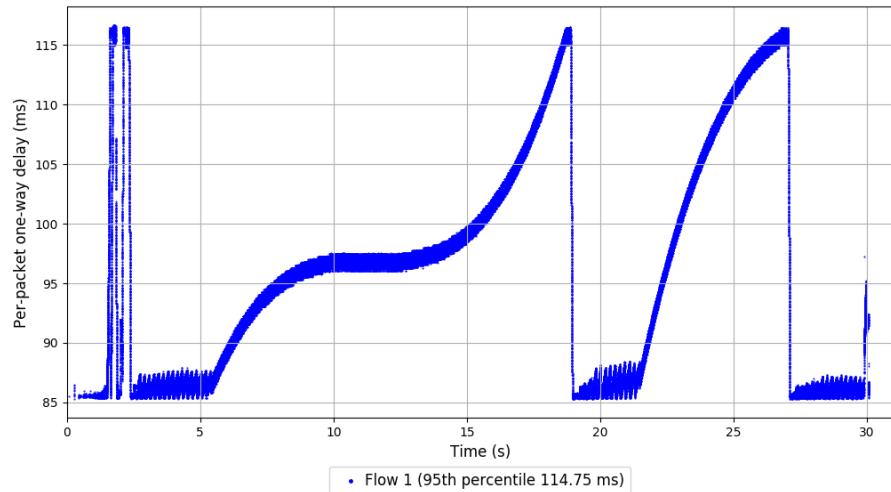
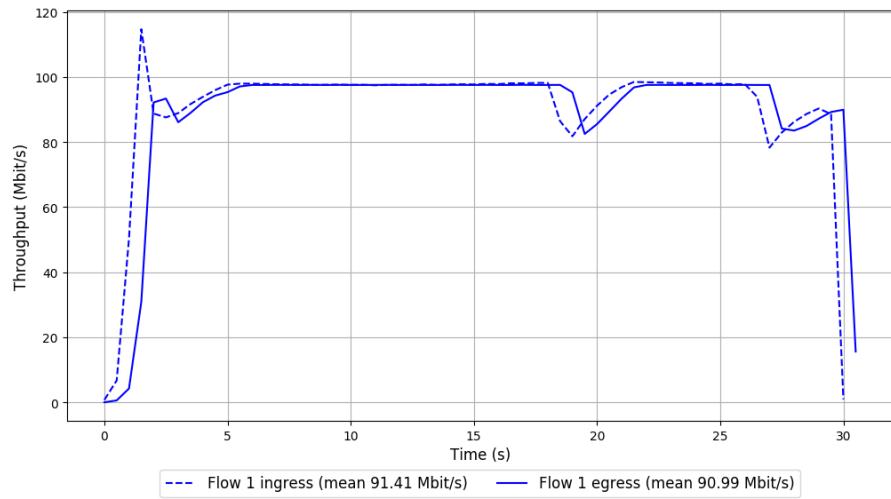


Run 4: Statistics of TCP Cubic

```
Start at: 2019-01-24 15:47:42
End at: 2019-01-24 15:48:12
Local clock offset: -6.113 ms
Remote clock offset: 8.088 ms

# Below is generated by plot.py at 2019-01-24 16:26:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.99 Mbit/s
95th percentile per-packet one-way delay: 114.749 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 90.99 Mbit/s
95th percentile per-packet one-way delay: 114.749 ms
Loss rate: 0.46%
```

Run 4: Report of TCP Cubic — Data Link

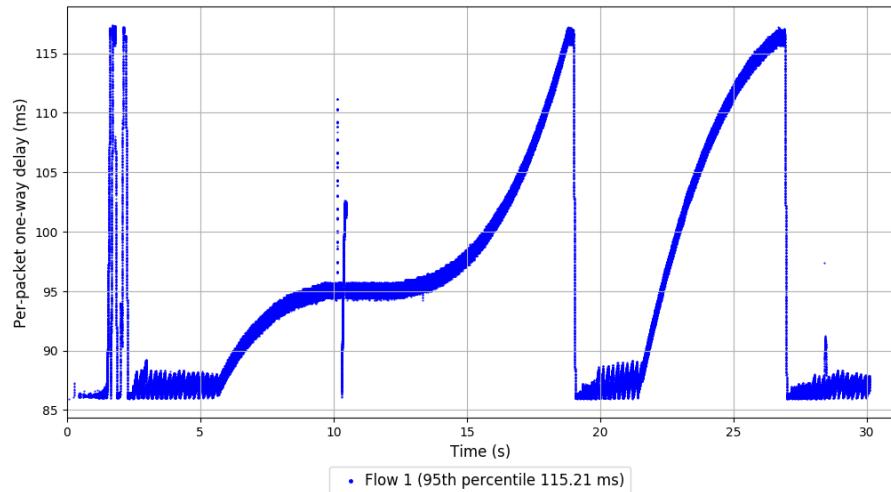
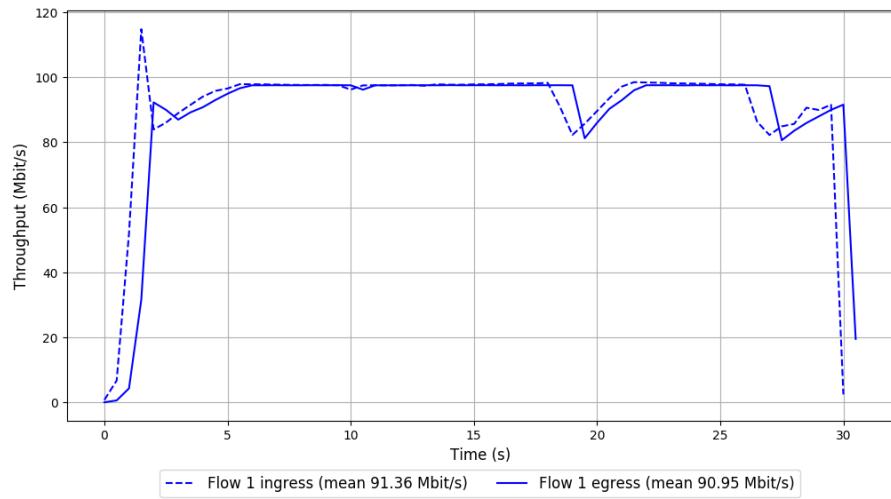


Run 5: Statistics of TCP Cubic

```
Start at: 2019-01-24 16:12:18
End at: 2019-01-24 16:12:48
Local clock offset: -7.374 ms
Remote clock offset: 10.325 ms

# Below is generated by plot.py at 2019-01-24 16:26:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.95 Mbit/s
95th percentile per-packet one-way delay: 115.210 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 90.95 Mbit/s
95th percentile per-packet one-way delay: 115.210 ms
Loss rate: 0.44%
```

Run 5: Report of TCP Cubic — Data Link

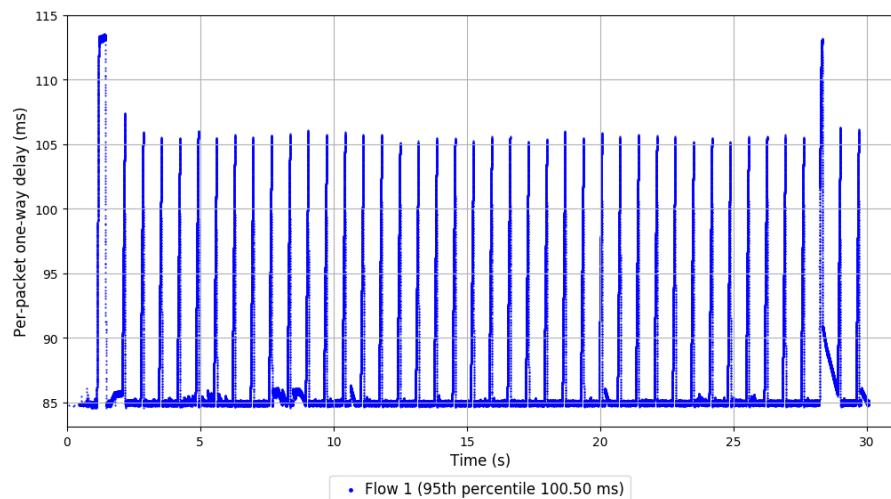
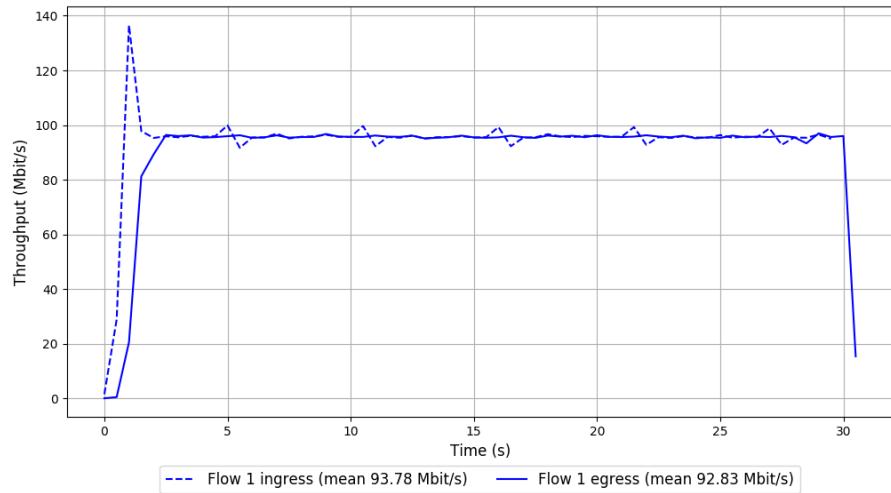


```
Run 1: Statistics of FillP

Start at: 2019-01-24 14:31:26
End at: 2019-01-24 14:31:56
Local clock offset: -3.681 ms
Remote clock offset: 8.854 ms

# Below is generated by plot.py at 2019-01-24 16:27:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 100.495 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 92.83 Mbit/s
95th percentile per-packet one-way delay: 100.495 ms
Loss rate: 1.01%
```

Run 1: Report of FillP — Data Link

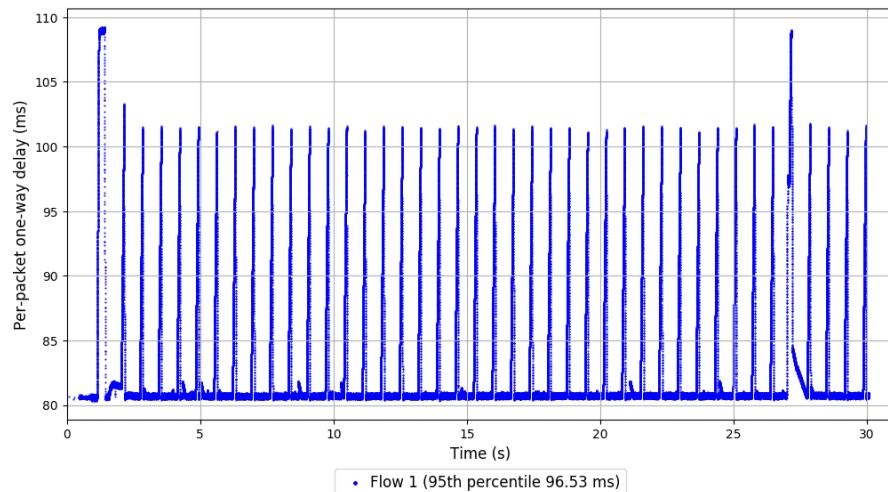
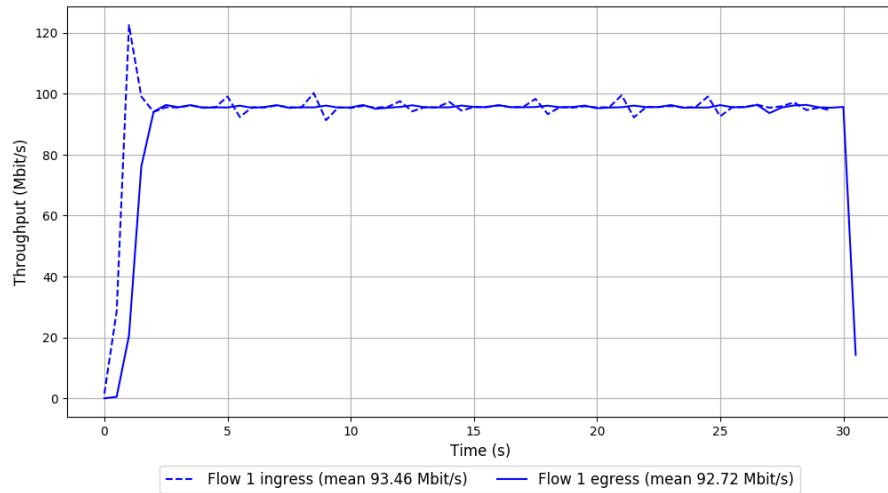


Run 2: Statistics of FillP

```
Start at: 2019-01-24 14:56:04
End at: 2019-01-24 14:56:34
Local clock offset: -0.295 ms
Remote clock offset: 3.852 ms

# Below is generated by plot.py at 2019-01-24 16:27:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 96.532 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 92.72 Mbit/s
95th percentile per-packet one-way delay: 96.532 ms
Loss rate: 0.79%
```

Run 2: Report of FillP — Data Link

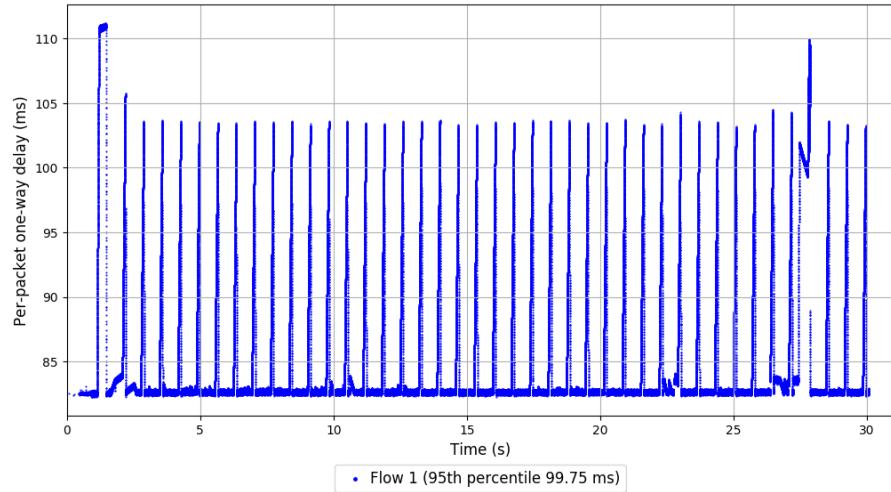
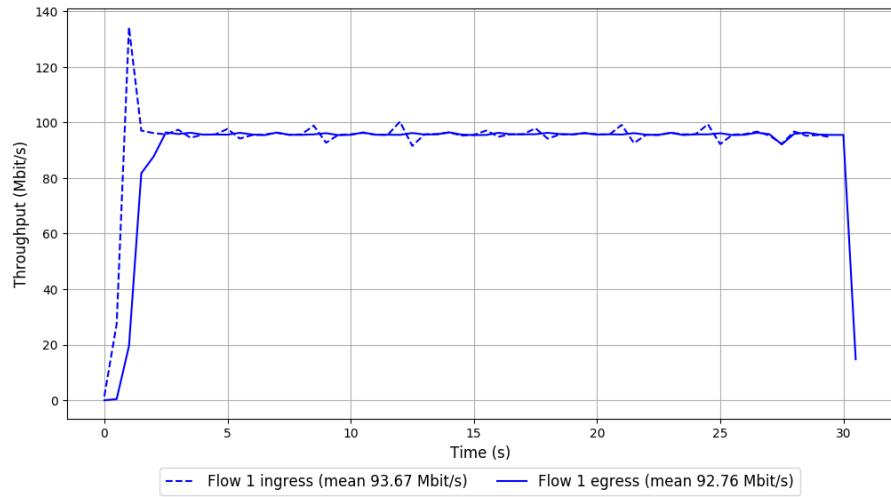


Run 3: Statistics of FillP

```
Start at: 2019-01-24 15:20:41
End at: 2019-01-24 15:21:11
Local clock offset: -1.974 ms
Remote clock offset: 5.086 ms

# Below is generated by plot.py at 2019-01-24 16:27:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 99.749 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 92.76 Mbit/s
95th percentile per-packet one-way delay: 99.749 ms
Loss rate: 0.97%
```

Run 3: Report of FillP — Data Link

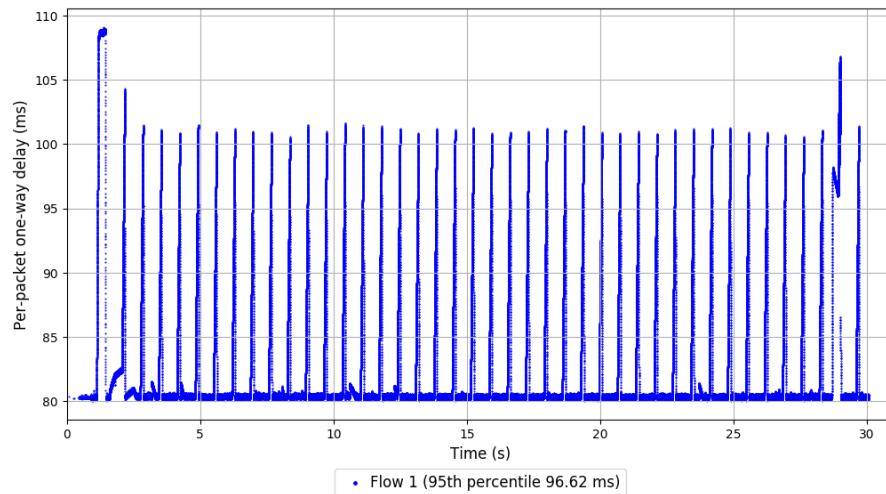
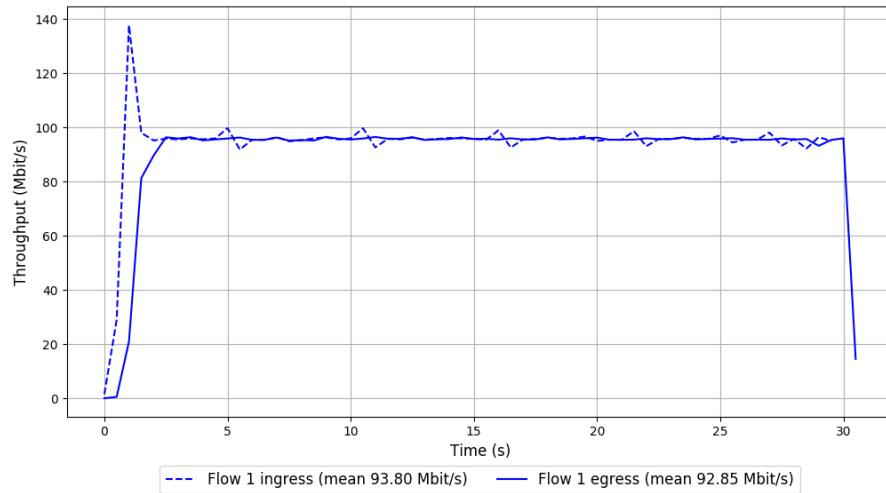


Run 4: Statistics of FillP

```
Start at: 2019-01-24 15:45:19
End at: 2019-01-24 15:45:49
Local clock offset: -5.891 ms
Remote clock offset: 3.102 ms

# Below is generated by plot.py at 2019-01-24 16:27:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.85 Mbit/s
95th percentile per-packet one-way delay: 96.621 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 92.85 Mbit/s
95th percentile per-packet one-way delay: 96.621 ms
Loss rate: 1.01%
```

Run 4: Report of FillP — Data Link

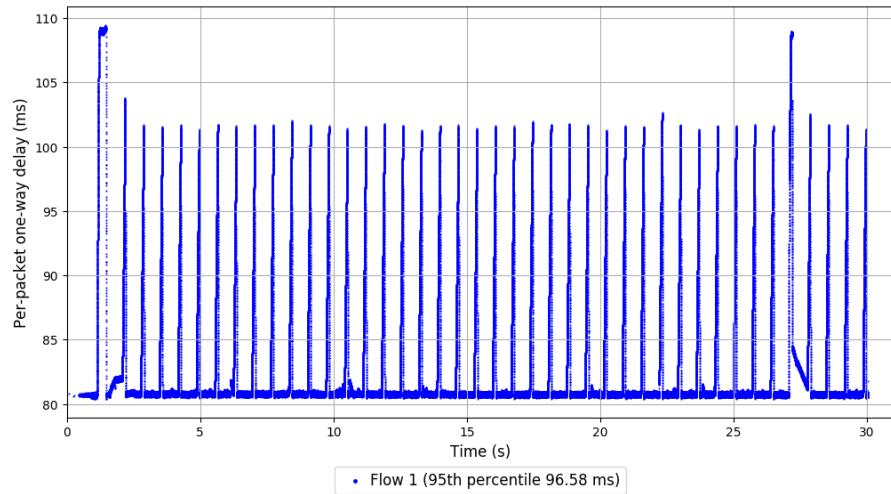
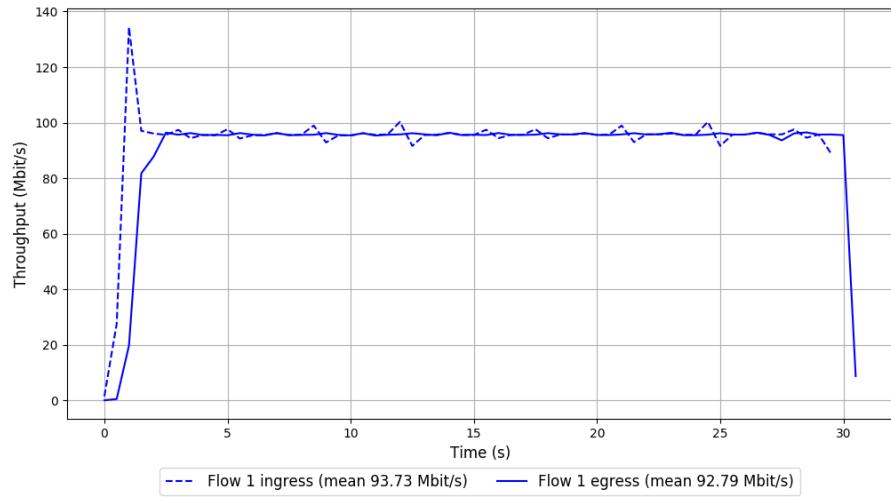


Run 5: Statistics of FillP

```
Start at: 2019-01-24 16:09:56
End at: 2019-01-24 16:10:26
Local clock offset: -6.541 ms
Remote clock offset: 4.021 ms

# Below is generated by plot.py at 2019-01-24 16:27:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.79 Mbit/s
95th percentile per-packet one-way delay: 96.583 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 92.79 Mbit/s
95th percentile per-packet one-way delay: 96.583 ms
Loss rate: 1.01%
```

Run 5: Report of FillP — Data Link

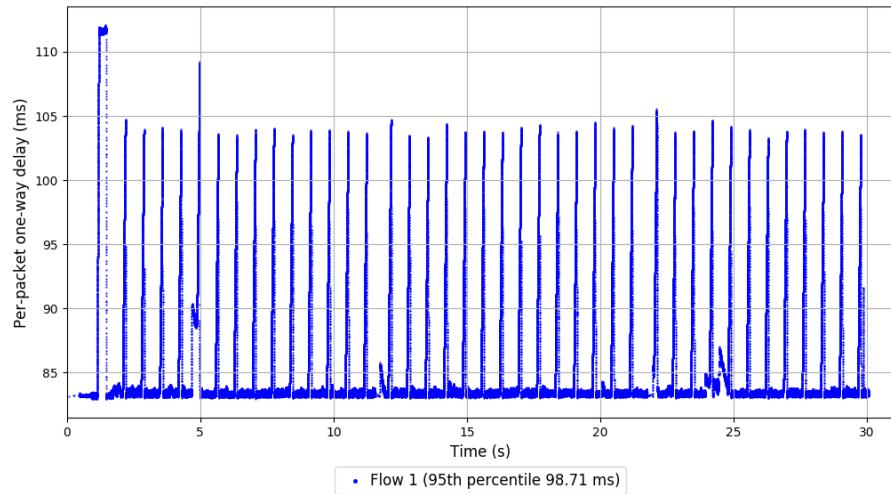
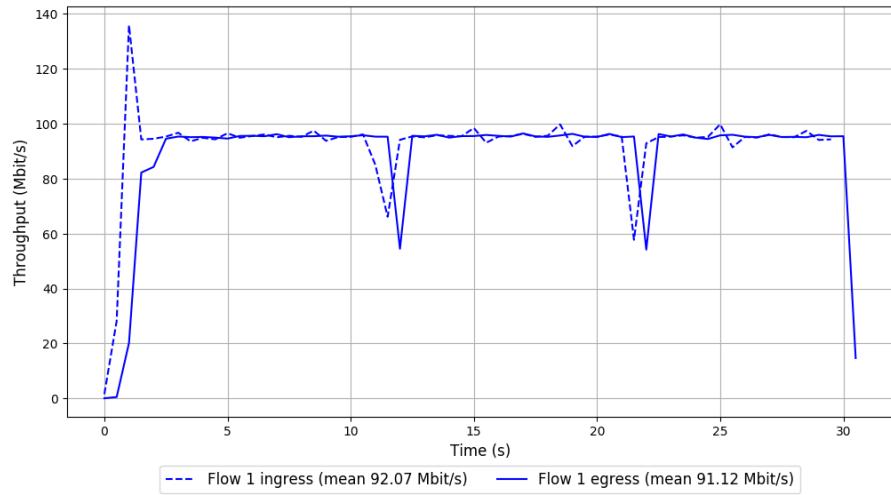


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-01-24 14:26:46
End at: 2019-01-24 14:27:16
Local clock offset: -4.036 ms
Remote clock offset: 5.182 ms

# Below is generated by plot.py at 2019-01-24 16:27:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.12 Mbit/s
95th percentile per-packet one-way delay: 98.709 ms
Loss rate: 1.03%
-- Flow 1:
Average throughput: 91.12 Mbit/s
95th percentile per-packet one-way delay: 98.709 ms
Loss rate: 1.03%
```

Run 1: Report of FillP-Sheep — Data Link

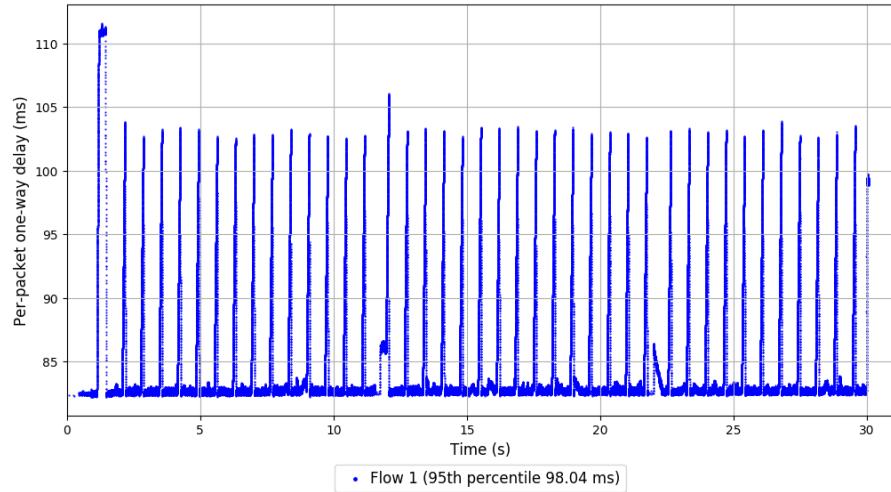
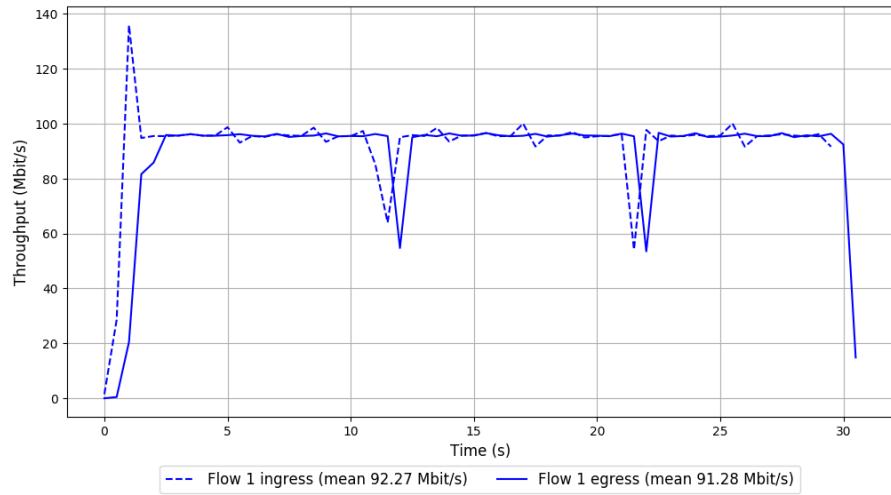


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-01-24 14:51:23
End at: 2019-01-24 14:51:53
Local clock offset: -1.596 ms
Remote clock offset: 4.978 ms

# Below is generated by plot.py at 2019-01-24 16:28:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.28 Mbit/s
95th percentile per-packet one-way delay: 98.037 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 91.28 Mbit/s
95th percentile per-packet one-way delay: 98.037 ms
Loss rate: 1.02%
```

Run 2: Report of FillP-Sheep — Data Link

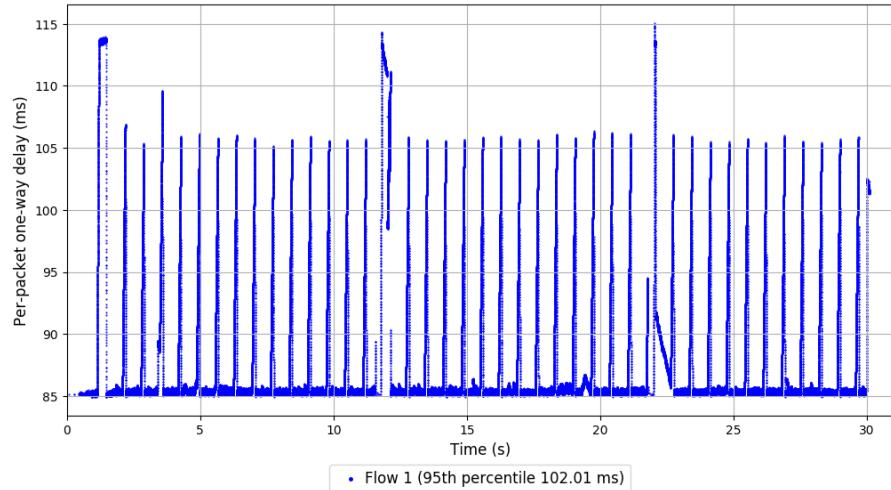
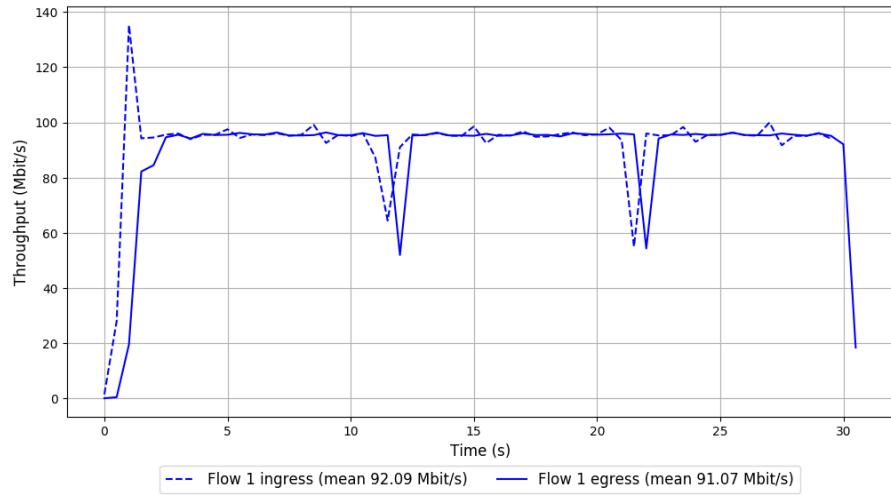


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-01-24 15:16:01
End at: 2019-01-24 15:16:31
Local clock offset: -2.059 ms
Remote clock offset: 7.759 ms

# Below is generated by plot.py at 2019-01-24 16:28:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.07 Mbit/s
95th percentile per-packet one-way delay: 102.014 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 91.07 Mbit/s
95th percentile per-packet one-way delay: 102.014 ms
Loss rate: 1.06%
```

Run 3: Report of FillP-Sheep — Data Link

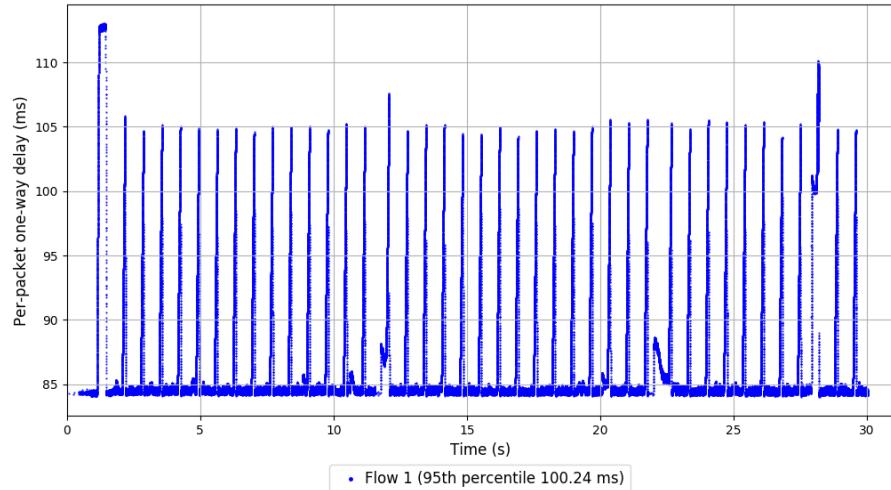
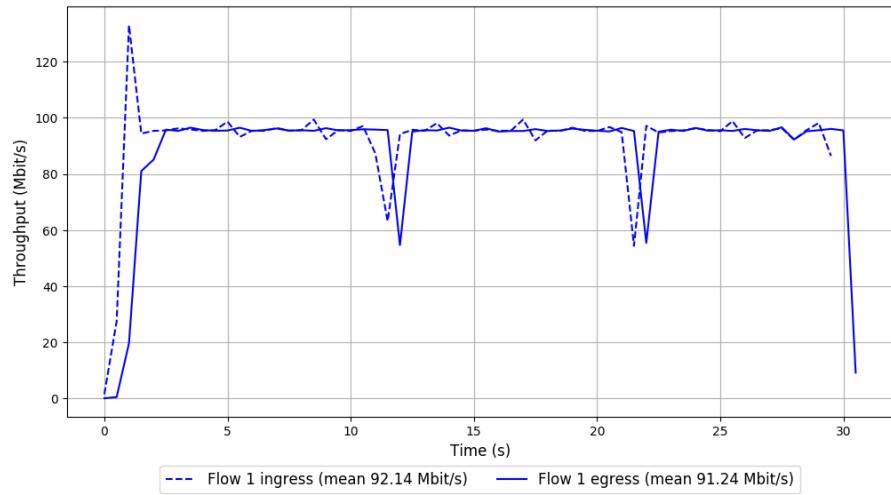


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-01-24 15:40:39
End at: 2019-01-24 15:41:09
Local clock offset: -4.49 ms
Remote clock offset: 7.089 ms

# Below is generated by plot.py at 2019-01-24 16:28:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.24 Mbit/s
95th percentile per-packet one-way delay: 100.242 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 91.24 Mbit/s
95th percentile per-packet one-way delay: 100.242 ms
Loss rate: 0.98%
```

Run 4: Report of FillP-Sheep — Data Link

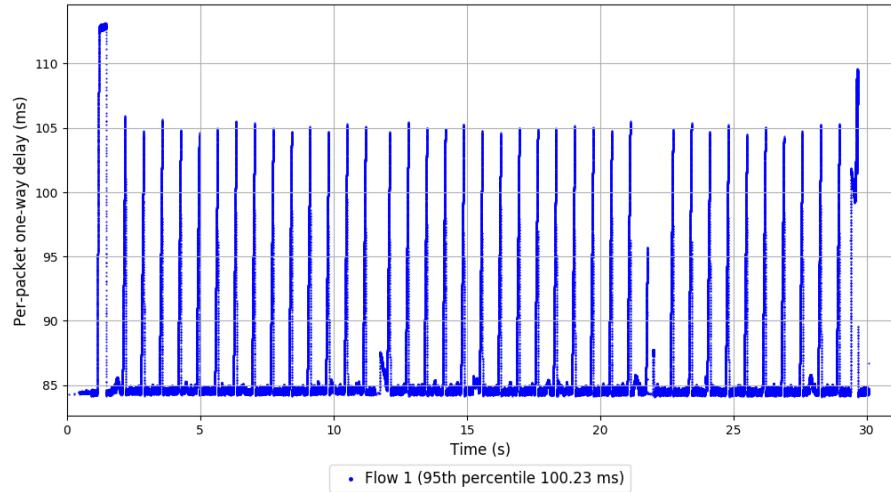
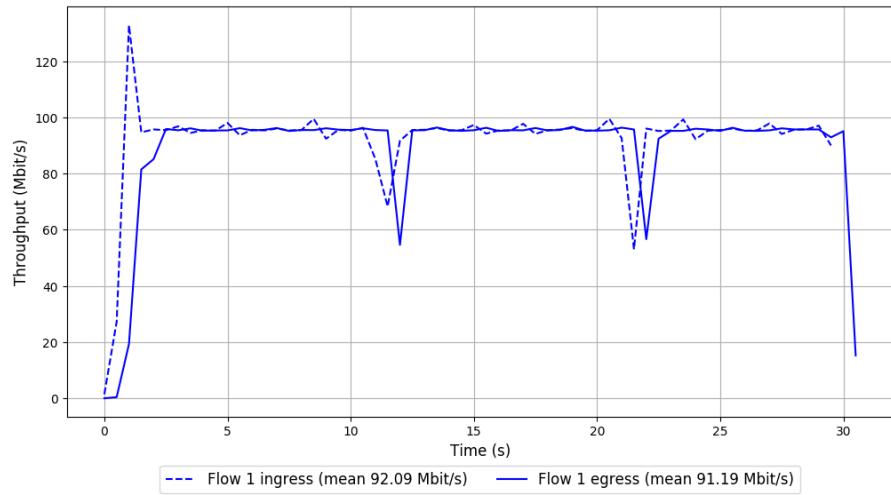


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-01-24 16:05:17
End at: 2019-01-24 16:05:47
Local clock offset: -6.301 ms
Remote clock offset: 7.212 ms

# Below is generated by plot.py at 2019-01-24 16:28:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.19 Mbit/s
95th percentile per-packet one-way delay: 100.228 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 91.19 Mbit/s
95th percentile per-packet one-way delay: 100.228 ms
Loss rate: 0.97%
```

Run 5: Report of FillP-Sheep — Data Link

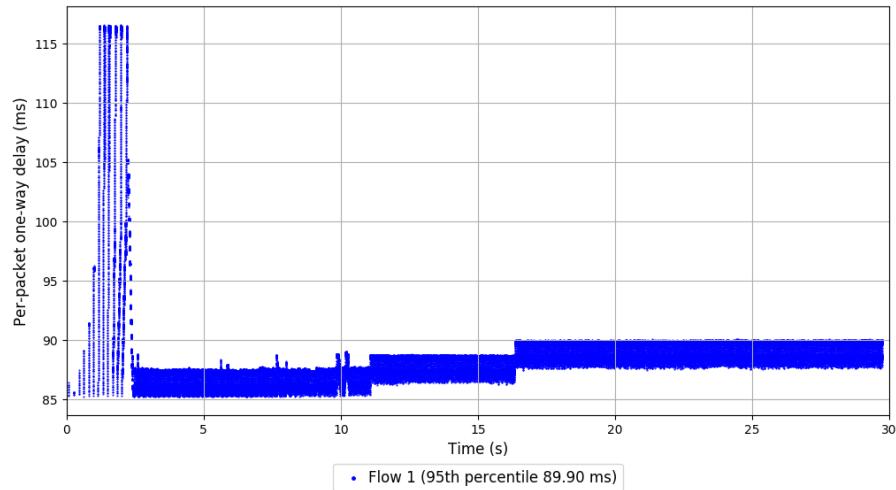
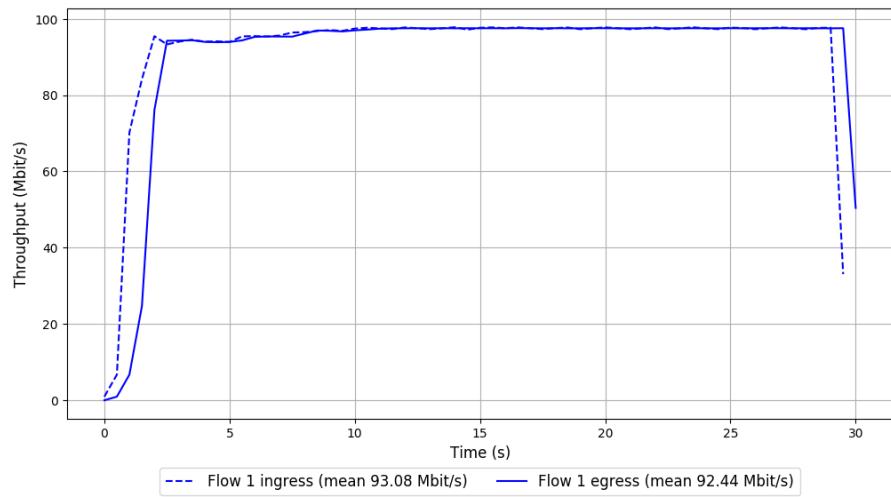


Run 1: Statistics of Indigo

```
Start at: 2019-01-24 14:44:22
End at: 2019-01-24 14:44:52
Local clock offset: -2.334 ms
Remote clock offset: 7.883 ms

# Below is generated by plot.py at 2019-01-24 16:28:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 89.898 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 92.44 Mbit/s
95th percentile per-packet one-way delay: 89.898 ms
Loss rate: 0.68%
```

Run 1: Report of Indigo — Data Link

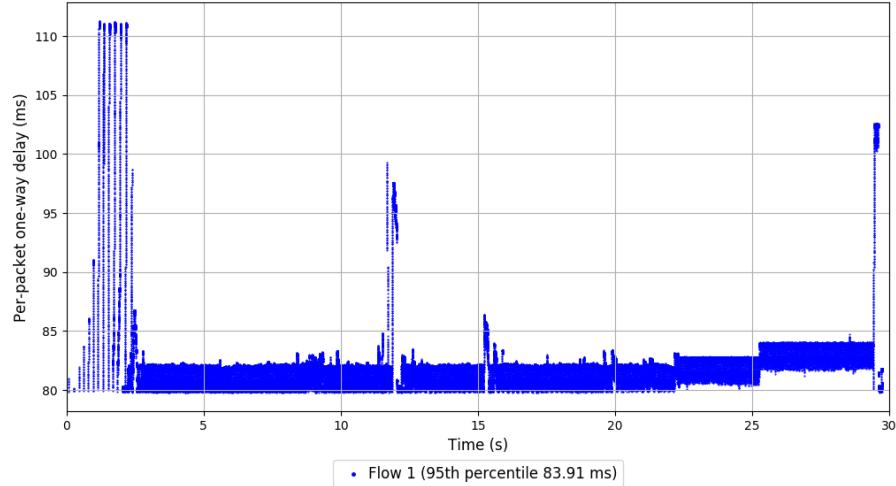
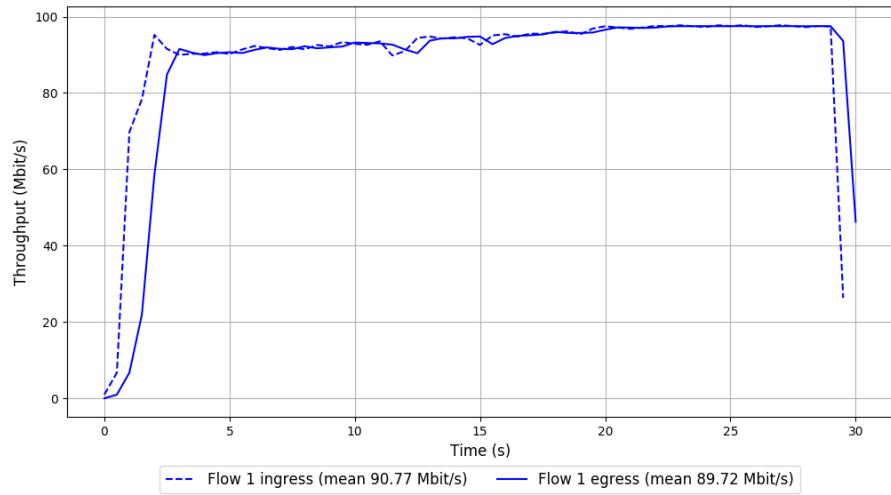


Run 2: Statistics of Indigo

```
Start at: 2019-01-24 15:09:01
End at: 2019-01-24 15:09:31
Local clock offset: -1.94 ms
Remote clock offset: 3.829 ms

# Below is generated by plot.py at 2019-01-24 16:28:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.72 Mbit/s
95th percentile per-packet one-way delay: 83.912 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 89.72 Mbit/s
95th percentile per-packet one-way delay: 83.912 ms
Loss rate: 1.16%
```

Run 2: Report of Indigo — Data Link

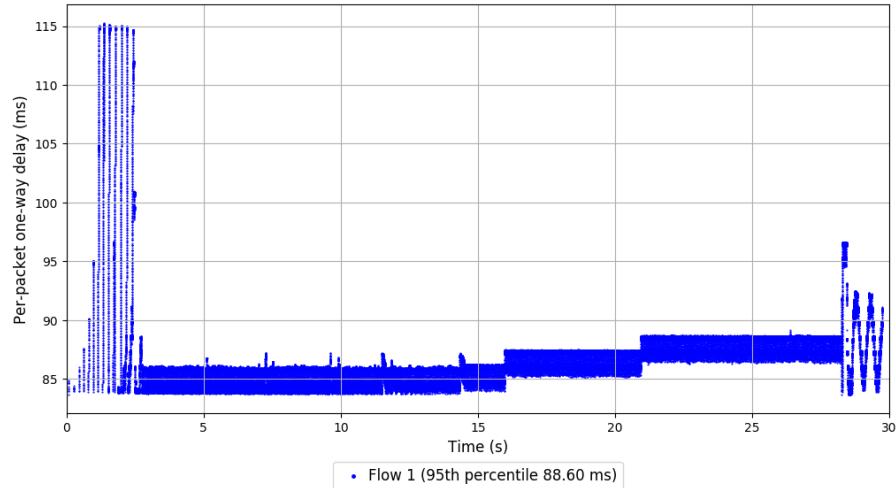
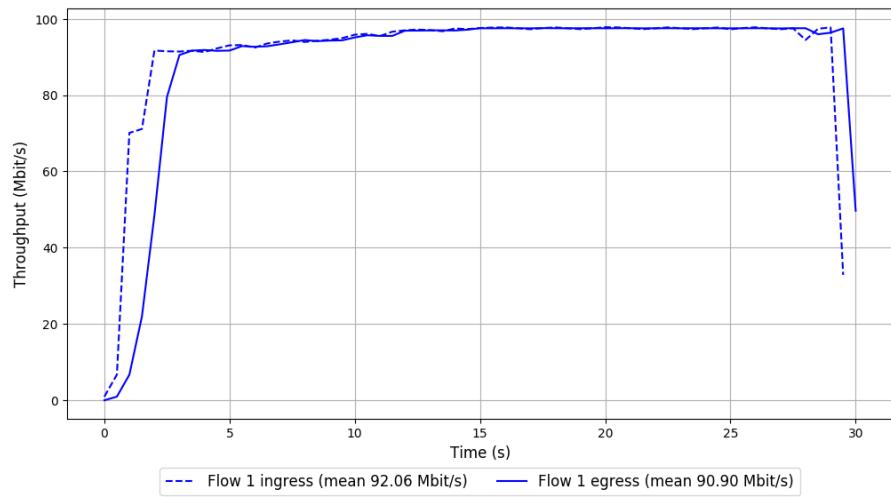


Run 3: Statistics of Indigo

```
Start at: 2019-01-24 15:33:38
End at: 2019-01-24 15:34:08
Local clock offset: -2.702 ms
Remote clock offset: 8.496 ms

# Below is generated by plot.py at 2019-01-24 16:28:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.90 Mbit/s
95th percentile per-packet one-way delay: 88.603 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 90.90 Mbit/s
95th percentile per-packet one-way delay: 88.603 ms
Loss rate: 1.25%
```

Run 3: Report of Indigo — Data Link

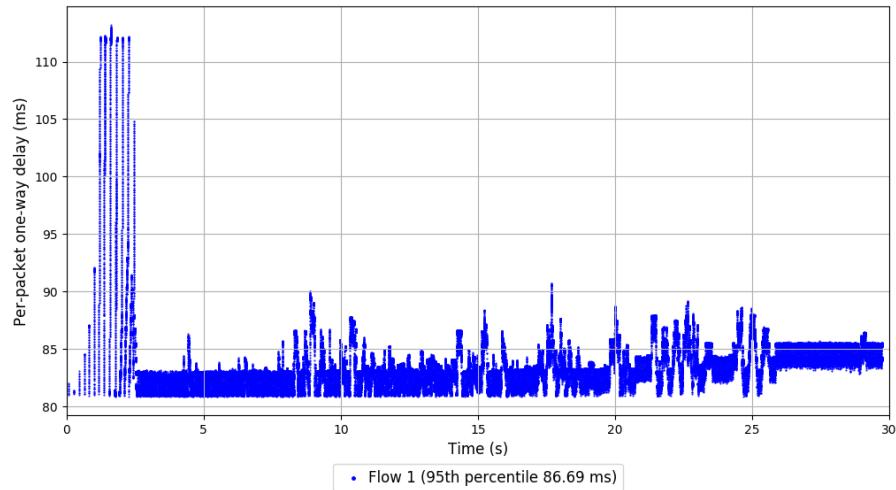
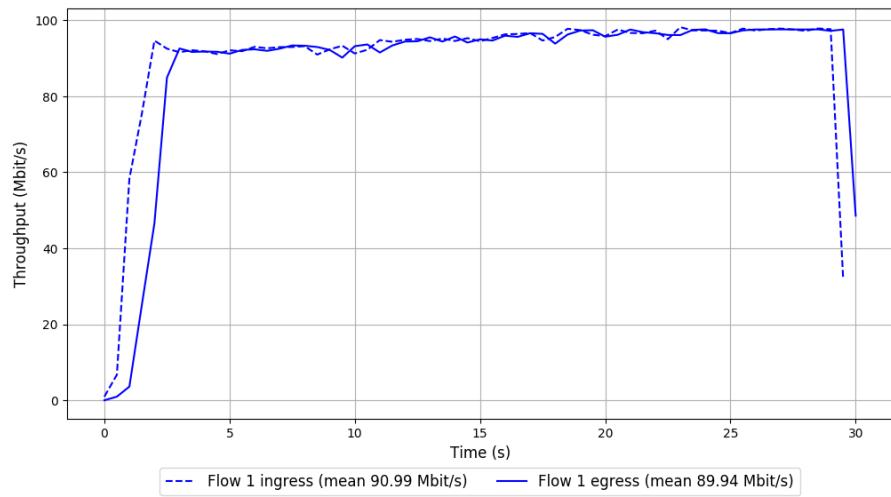


Run 4: Statistics of Indigo

```
Start at: 2019-01-24 15:58:16
End at: 2019-01-24 15:58:46
Local clock offset: -6.677 ms
Remote clock offset: 4.159 ms

# Below is generated by plot.py at 2019-01-24 16:28:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.94 Mbit/s
95th percentile per-packet one-way delay: 86.692 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 89.94 Mbit/s
95th percentile per-packet one-way delay: 86.692 ms
Loss rate: 1.14%
```

Run 4: Report of Indigo — Data Link

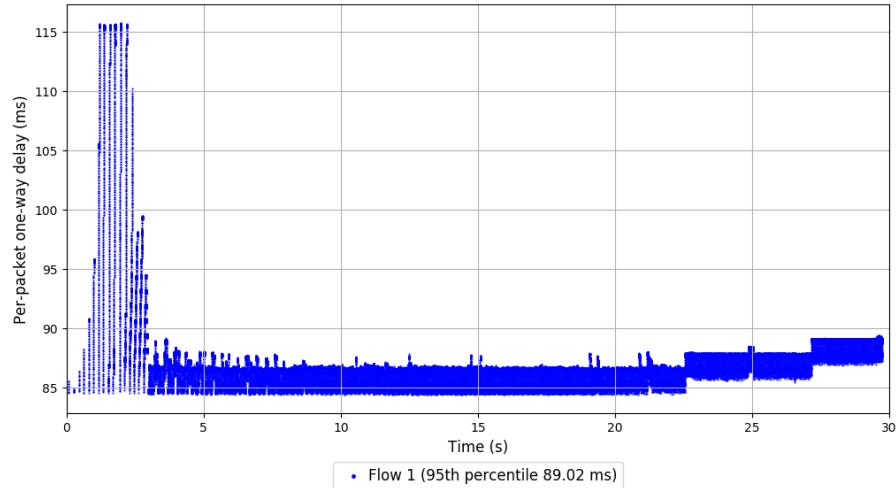
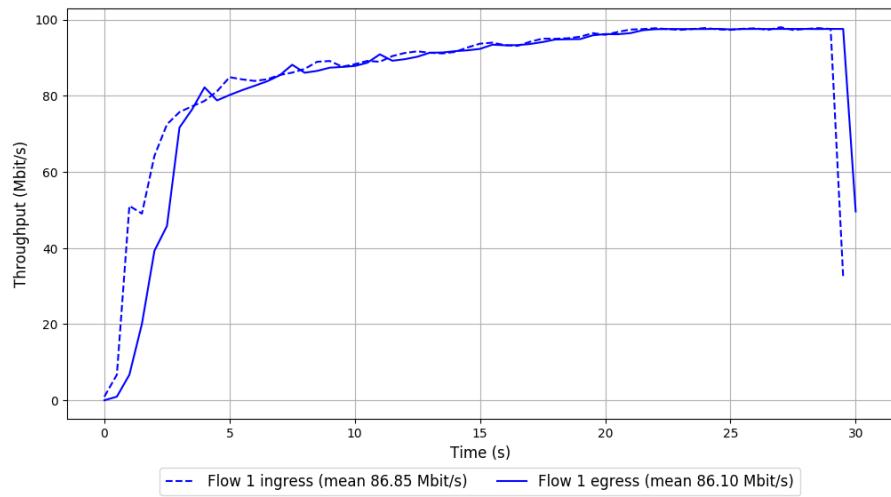


Run 5: Statistics of Indigo

```
Start at: 2019-01-24 16:22:58
End at: 2019-01-24 16:23:28
Local clock offset: -6.899 ms
Remote clock offset: 8.693 ms

# Below is generated by plot.py at 2019-01-24 16:29:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.10 Mbit/s
95th percentile per-packet one-way delay: 89.022 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 86.10 Mbit/s
95th percentile per-packet one-way delay: 89.022 ms
Loss rate: 0.85%
```

Run 5: Report of Indigo — Data Link

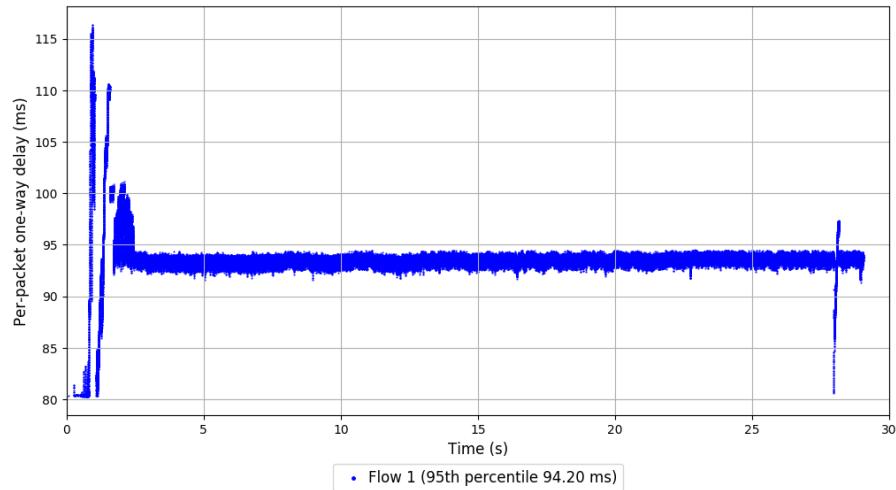
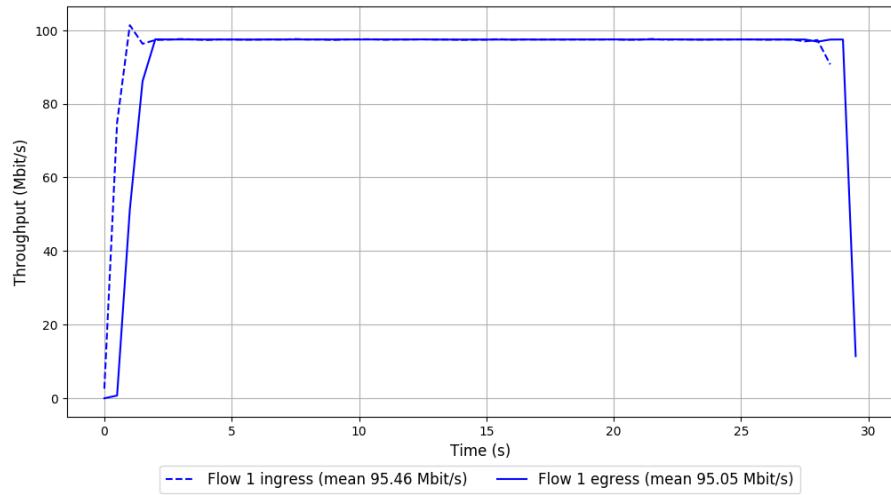


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-01-24 14:36:12
End at: 2019-01-24 14:36:42
Local clock offset: -3.171 ms
Remote clock offset: 3.962 ms

# Below is generated by plot.py at 2019-01-24 16:29:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 94.202 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 95.05 Mbit/s
95th percentile per-packet one-way delay: 94.202 ms
Loss rate: 0.38%
```

Run 1: Report of Indigo-MusesC3 — Data Link

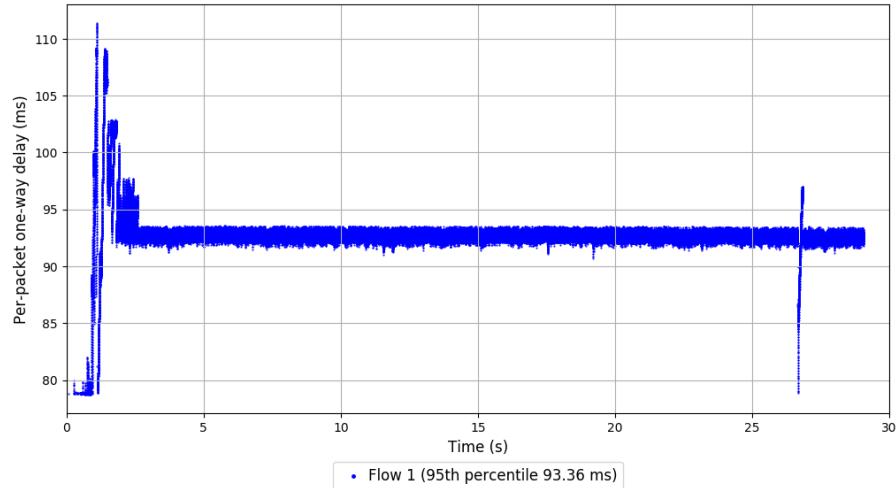
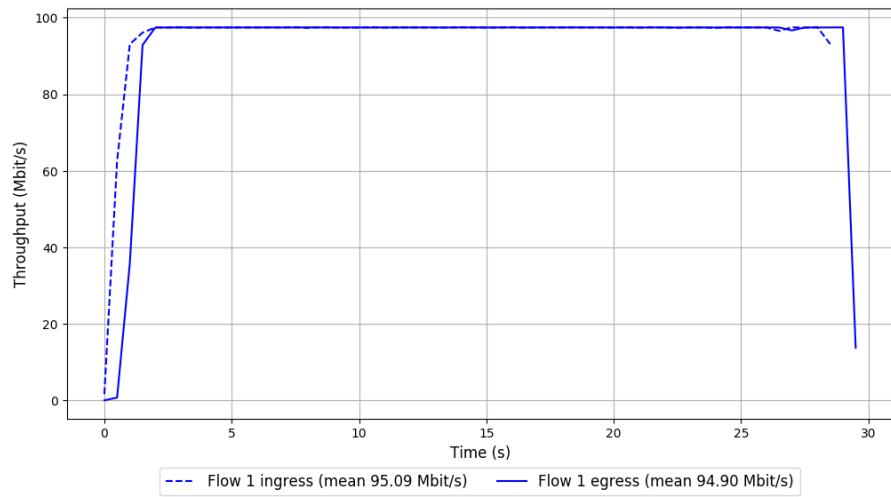


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-01-24 15:00:50
End at: 2019-01-24 15:01:20
Local clock offset: -0.12 ms
Remote clock offset: 3.841 ms

# Below is generated by plot.py at 2019-01-24 16:29:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 93.356 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 94.90 Mbit/s
95th percentile per-packet one-way delay: 93.356 ms
Loss rate: 0.15%
```

Run 2: Report of Indigo-MusesC3 — Data Link

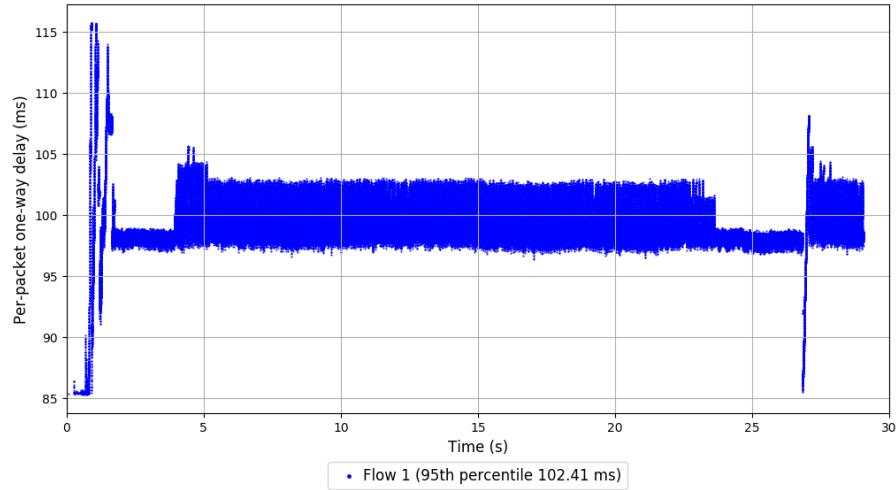
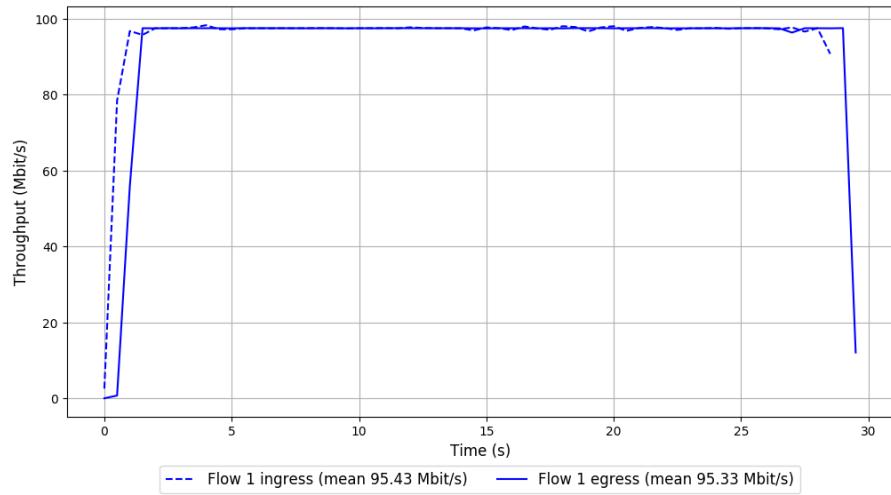


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-01-24 15:25:27
End at: 2019-01-24 15:25:57
Local clock offset: -1.042 ms
Remote clock offset: 8.675 ms

# Below is generated by plot.py at 2019-01-24 16:29:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 102.406 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 102.406 ms
Loss rate: 0.06%
```

Run 3: Report of Indigo-MusesC3 — Data Link

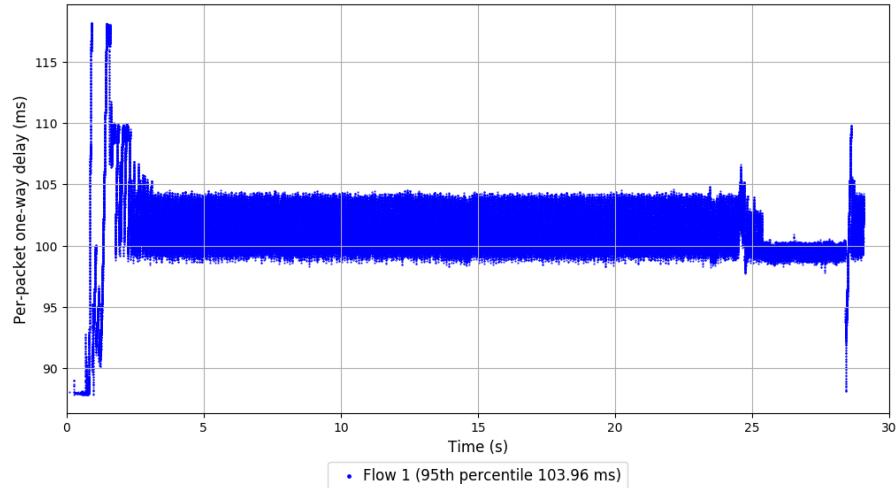
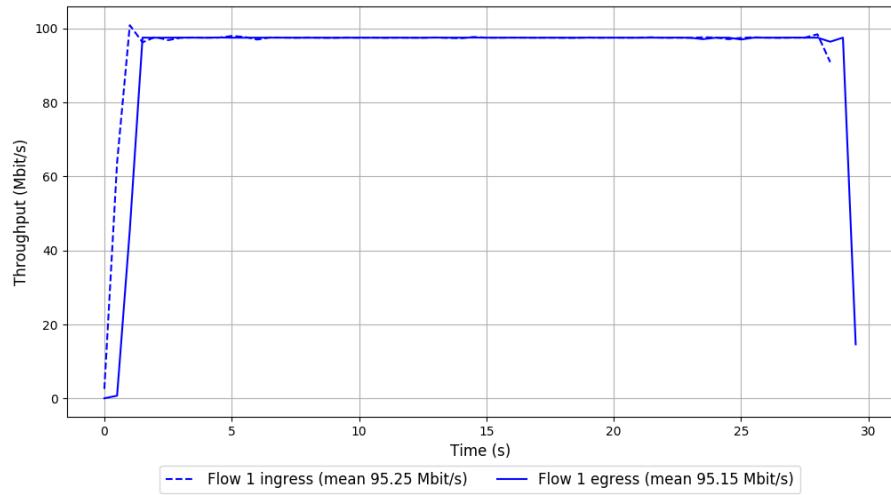


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-01-24 15:50:05
End at: 2019-01-24 15:50:35
Local clock offset: -6.383 ms
Remote clock offset: 9.228 ms

# Below is generated by plot.py at 2019-01-24 16:29:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 103.963 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 103.963 ms
Loss rate: 0.06%
```

Run 4: Report of Indigo-MusesC3 — Data Link

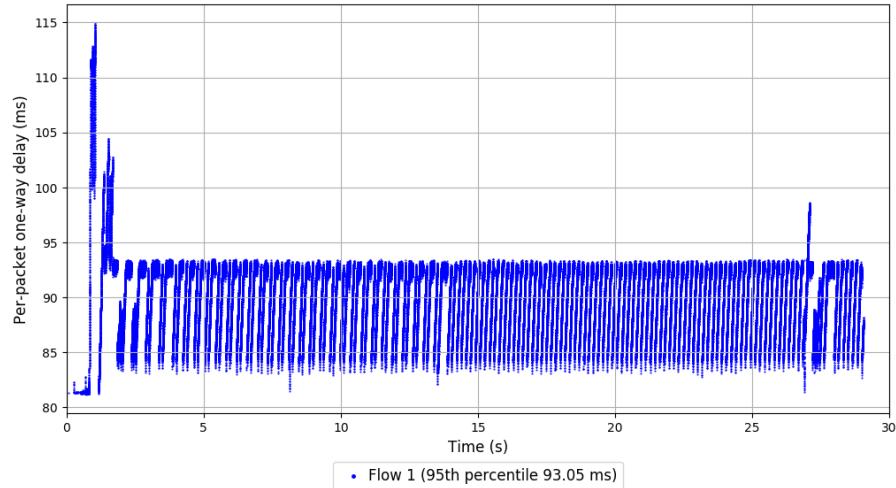
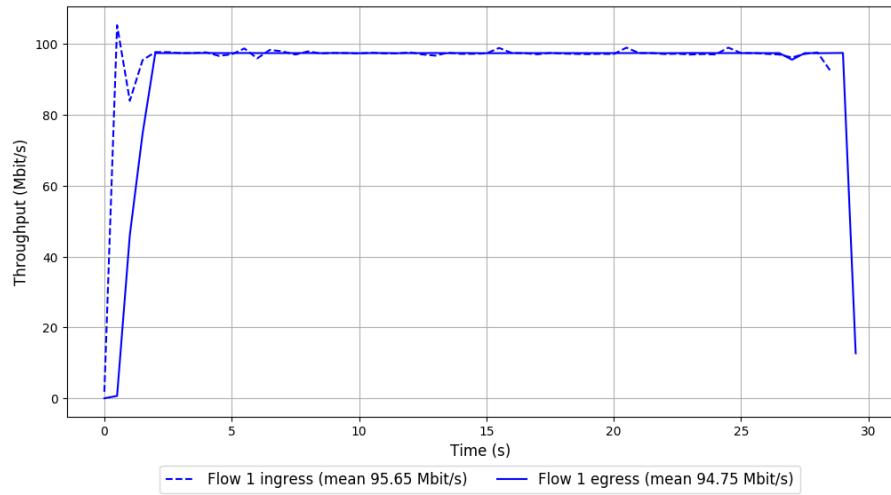


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-01-24 16:14:42
End at: 2019-01-24 16:15:12
Local clock offset: -6.684 ms
Remote clock offset: 4.36 ms

# Below is generated by plot.py at 2019-01-24 16:29:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 93.045 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 93.045 ms
Loss rate: 0.92%
```

Run 5: Report of Indigo-MusesC3 — Data Link

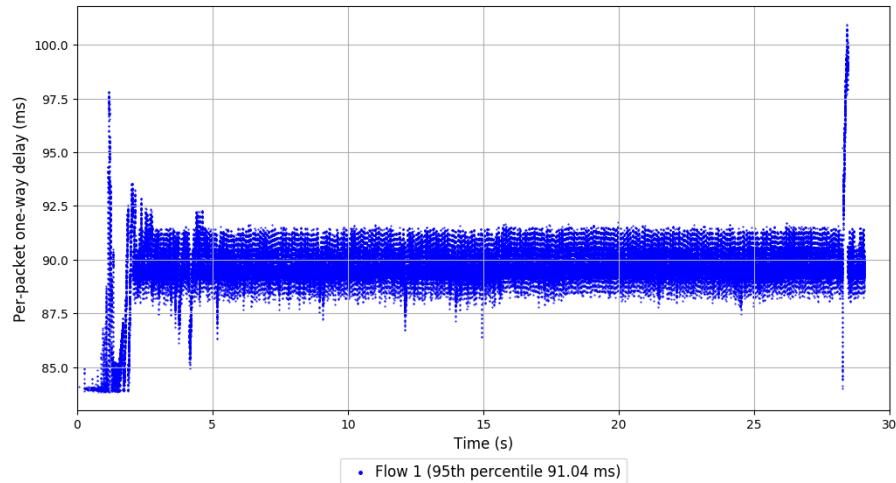
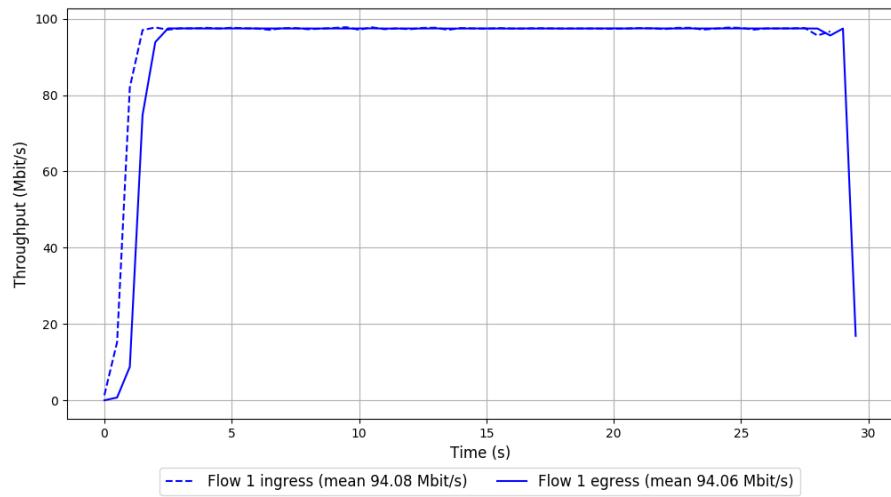


```
Run 1: Statistics of Indigo-MusesC5
```

```
Start at: 2019-01-24 14:35:00
End at: 2019-01-24 14:35:30
Local clock offset: -2.513 ms
Remote clock offset: 8.987 ms

# Below is generated by plot.py at 2019-01-24 16:29:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.06 Mbit/s
95th percentile per-packet one-way delay: 91.037 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.06 Mbit/s
95th percentile per-packet one-way delay: 91.037 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesC5 — Data Link

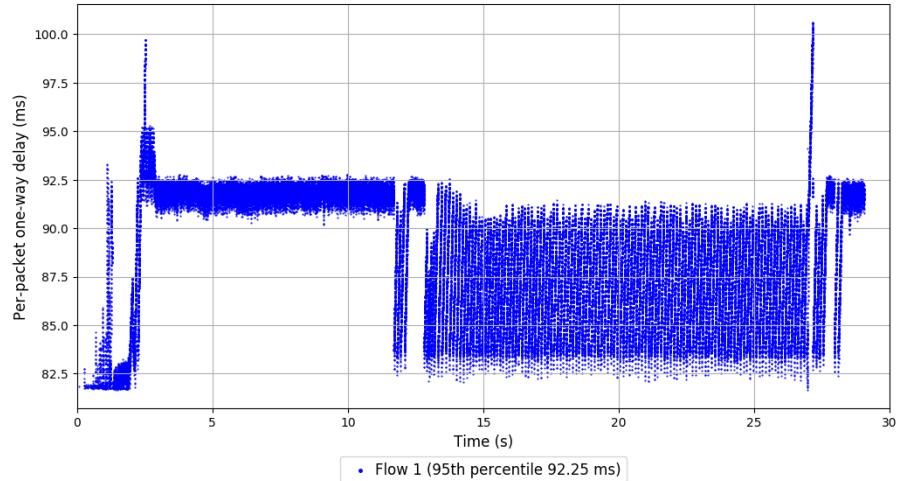
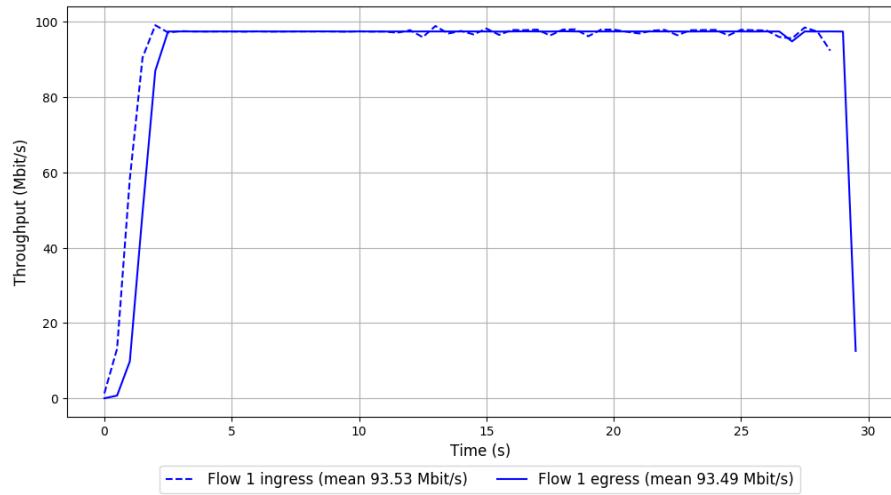


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-01-24 14:59:38
End at: 2019-01-24 15:00:08
Local clock offset: 0.018 ms
Remote clock offset: 4.984 ms

# Below is generated by plot.py at 2019-01-24 16:29:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 92.255 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 92.255 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-MusesC5 — Data Link

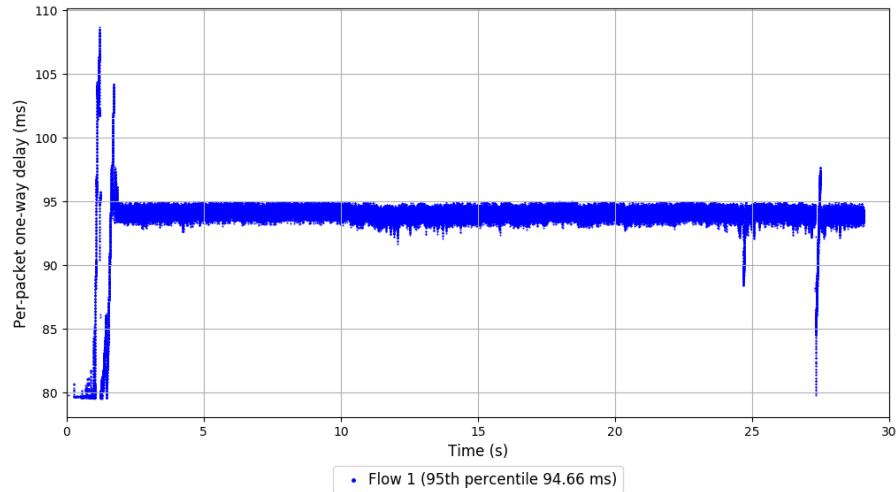
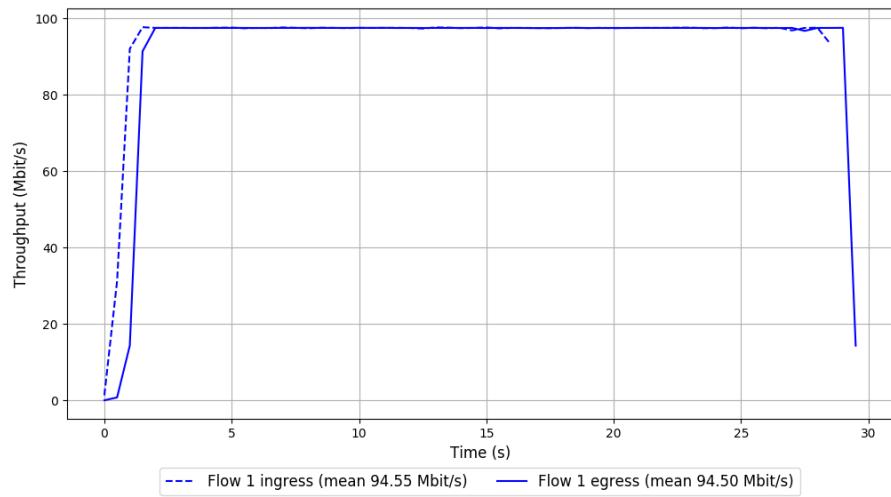


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-01-24 15:24:15
End at: 2019-01-24 15:24:45
Local clock offset: -1.839 ms
Remote clock offset: 3.913 ms

# Below is generated by plot.py at 2019-01-24 16:30:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 94.658 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.50 Mbit/s
95th percentile per-packet one-way delay: 94.658 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-MusesC5 — Data Link

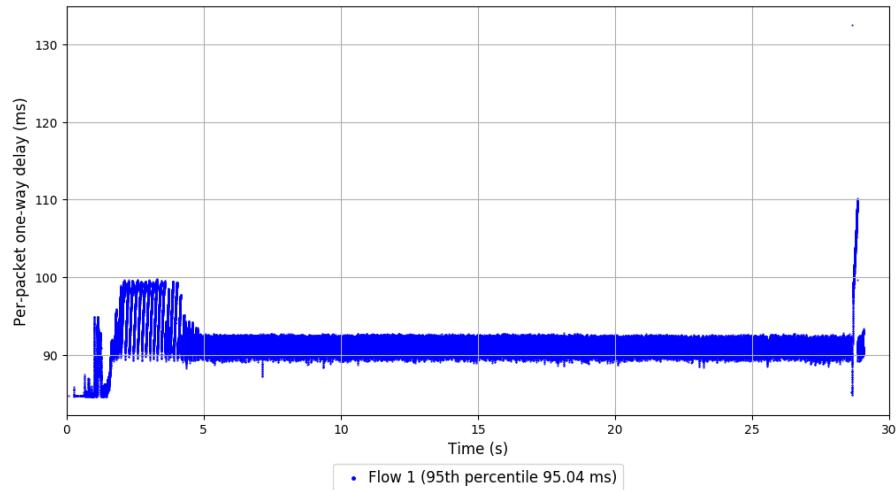
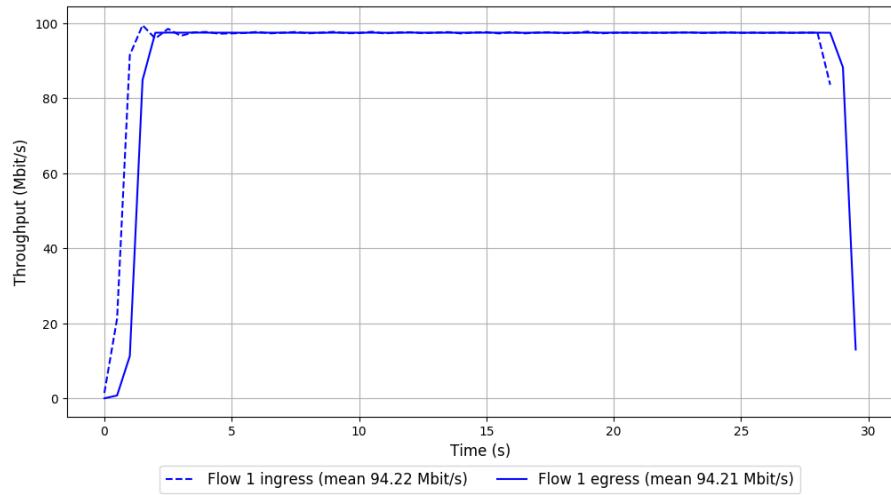


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-01-24 15:48:53
End at: 2019-01-24 15:49:24
Local clock offset: -6.198 ms
Remote clock offset: 8.029 ms

# Below is generated by plot.py at 2019-01-24 16:30:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.21 Mbit/s
95th percentile per-packet one-way delay: 95.037 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.21 Mbit/s
95th percentile per-packet one-way delay: 95.037 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-MusesC5 — Data Link

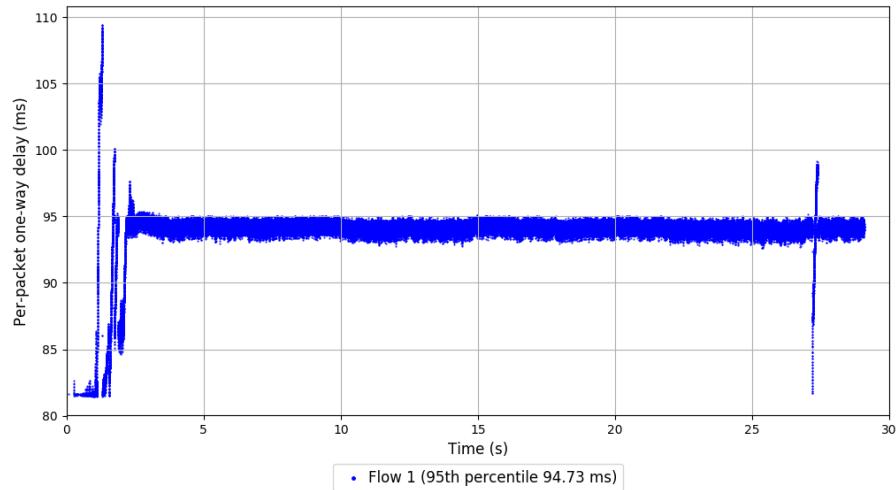
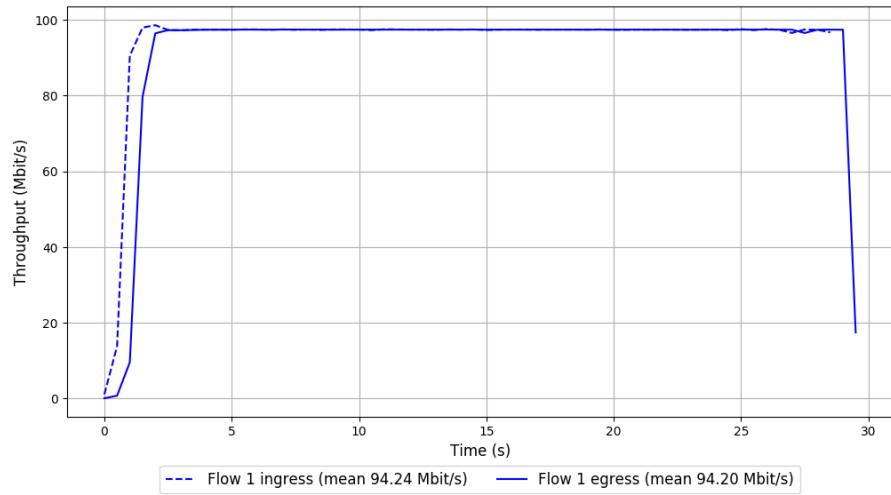


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-01-24 16:13:30
End at: 2019-01-24 16:14:00
Local clock offset: -7.406 ms
Remote clock offset: 4.305 ms

# Below is generated by plot.py at 2019-01-24 16:30:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 94.732 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 94.732 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-MusesC5 — Data Link

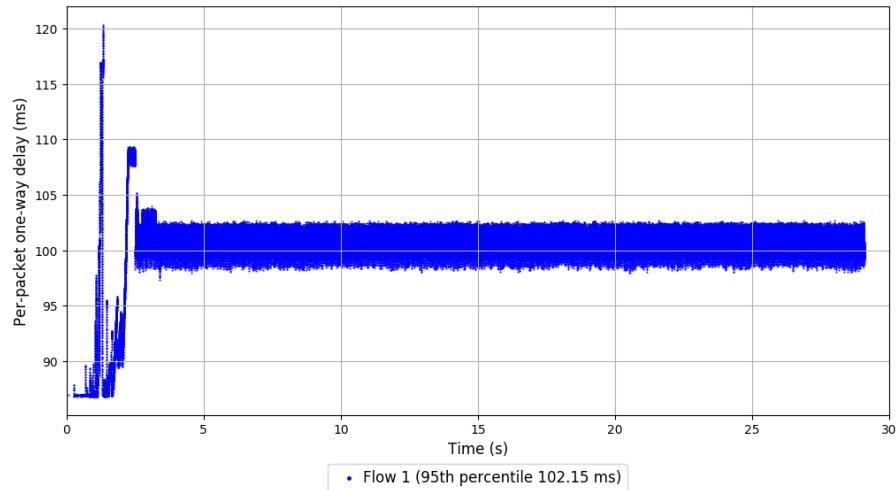
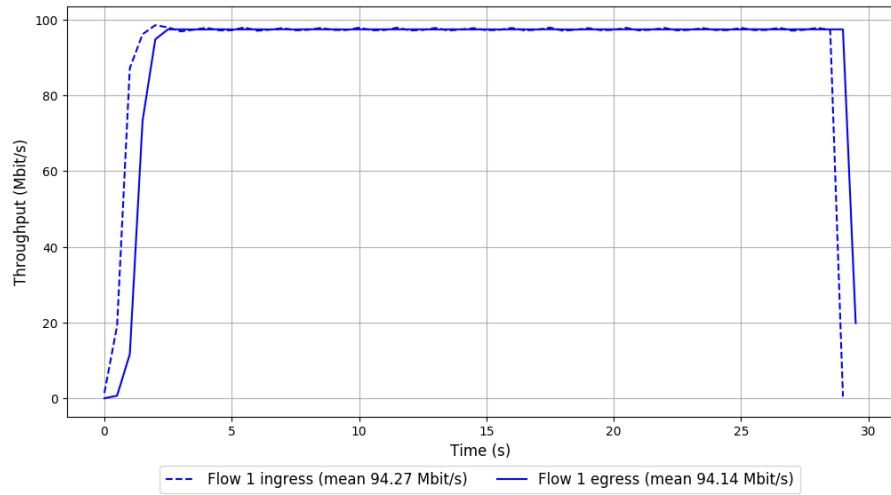


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-01-24 14:25:34
End at: 2019-01-24 14:26:04
Local clock offset: -3.369 ms
Remote clock offset: 10.214 ms

# Below is generated by plot.py at 2019-01-24 16:30:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.14 Mbit/s
95th percentile per-packet one-way delay: 102.153 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 94.14 Mbit/s
95th percentile per-packet one-way delay: 102.153 ms
Loss rate: 0.10%
```

Run 1: Report of Indigo-MusesD — Data Link

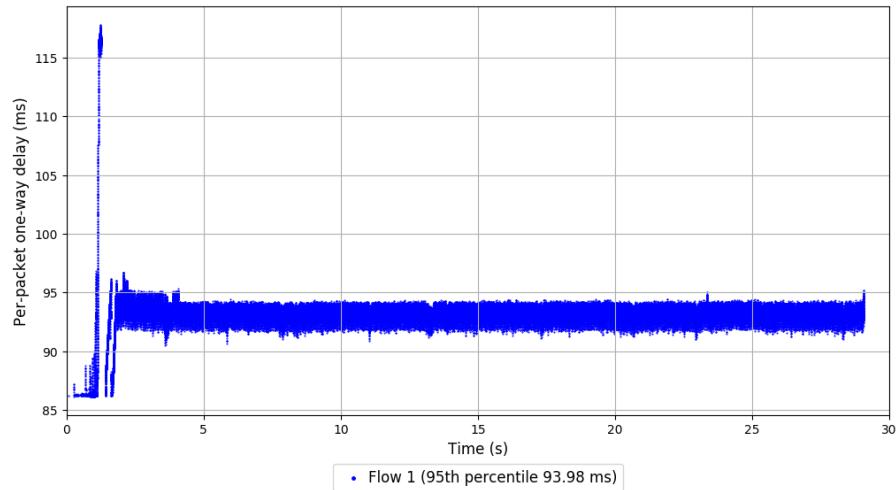
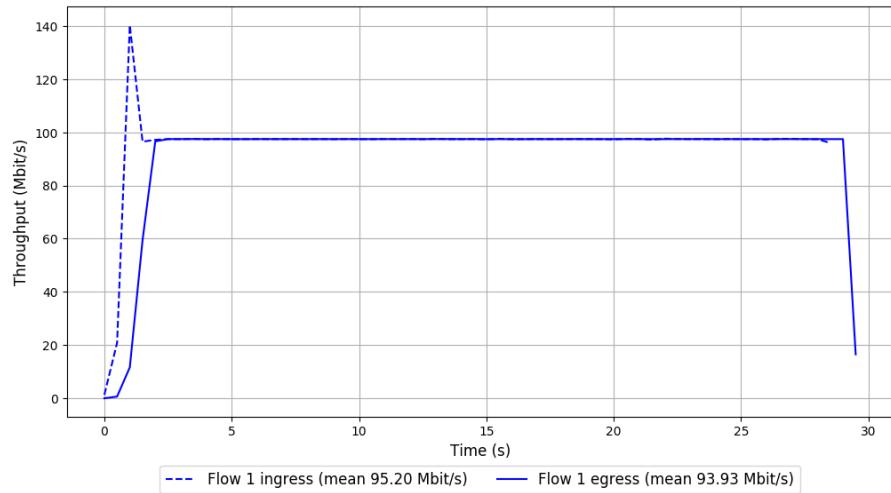


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-01-24 14:50:11
End at: 2019-01-24 14:50:41
Local clock offset: -1.8 ms
Remote clock offset: 8.622 ms

# Below is generated by plot.py at 2019-01-24 16:30:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 93.977 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 93.93 Mbit/s
95th percentile per-packet one-way delay: 93.977 ms
Loss rate: 1.31%
```

Run 2: Report of Indigo-MusesD — Data Link

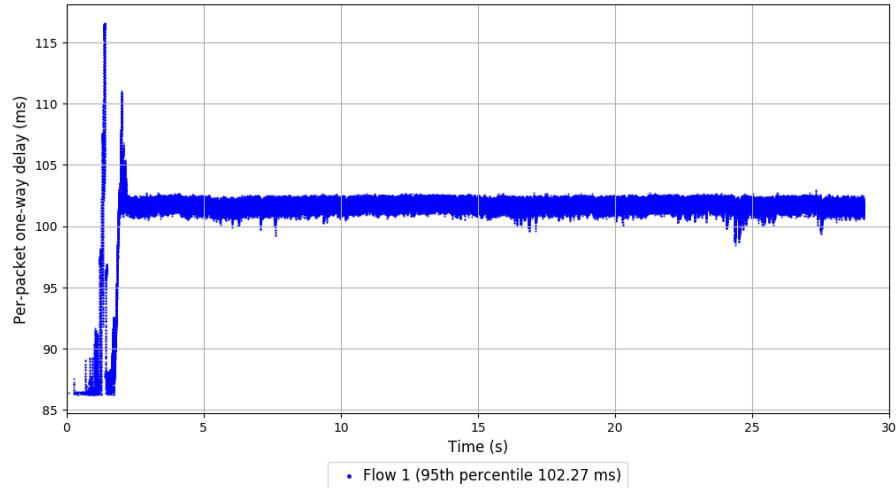
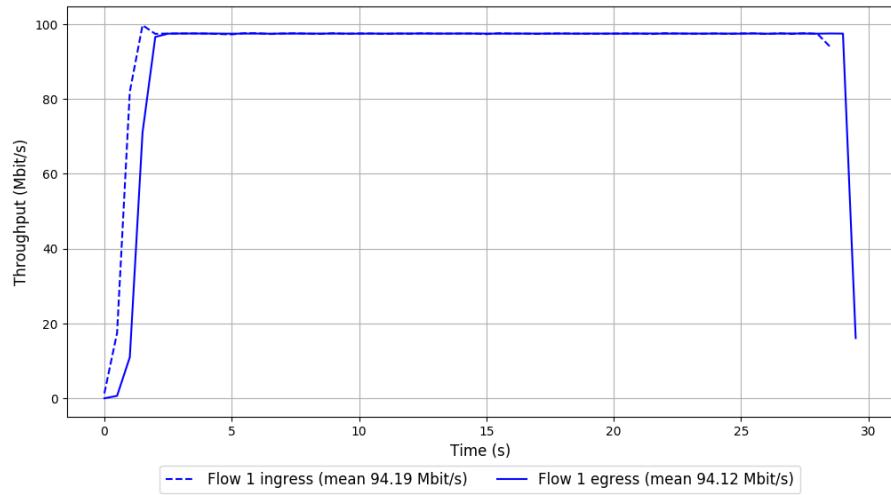


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-01-24 15:14:49
End at: 2019-01-24 15:15:20
Local clock offset: -2.071 ms
Remote clock offset: 8.647 ms

# Below is generated by plot.py at 2019-01-24 16:30:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: 102.270 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 94.12 Mbit/s
95th percentile per-packet one-way delay: 102.270 ms
Loss rate: 0.03%
```

Run 3: Report of Indigo-MusesD — Data Link

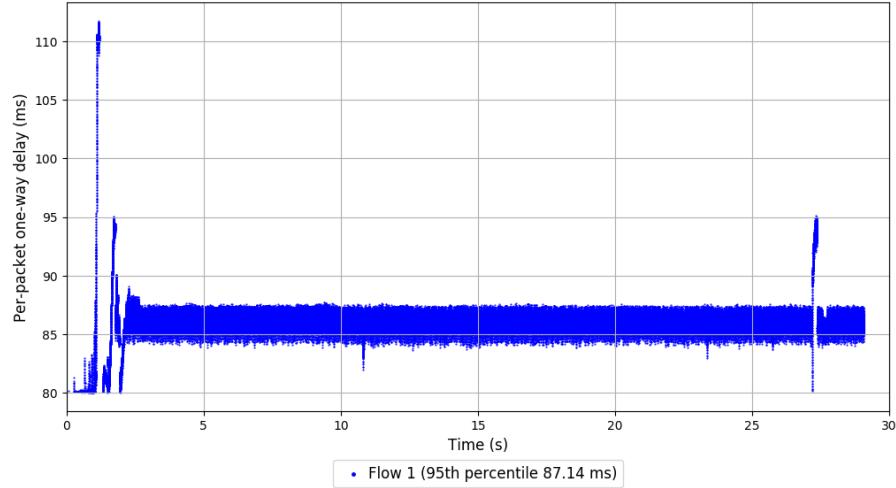
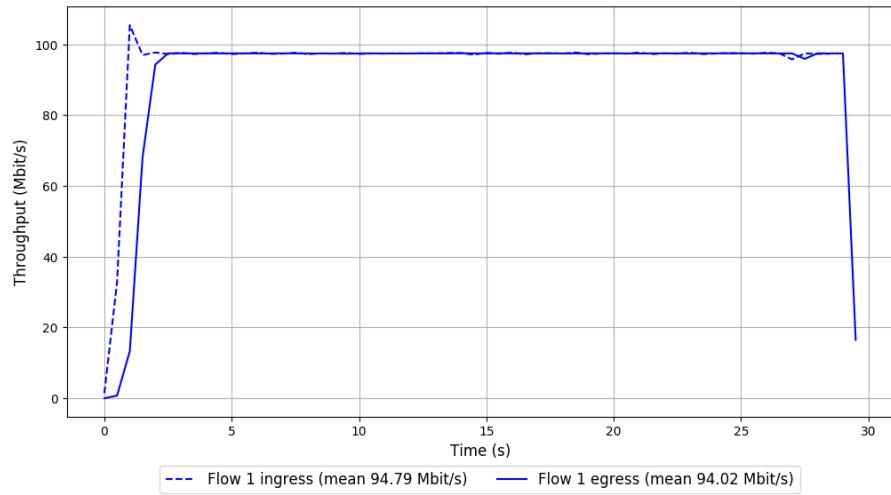


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-01-24 15:39:27
End at: 2019-01-24 15:39:57
Local clock offset: -4.234 ms
Remote clock offset: 4.47 ms

# Below is generated by plot.py at 2019-01-24 16:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.02 Mbit/s
95th percentile per-packet one-way delay: 87.135 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 94.02 Mbit/s
95th percentile per-packet one-way delay: 87.135 ms
Loss rate: 0.80%
```

Run 4: Report of Indigo-MusesD — Data Link

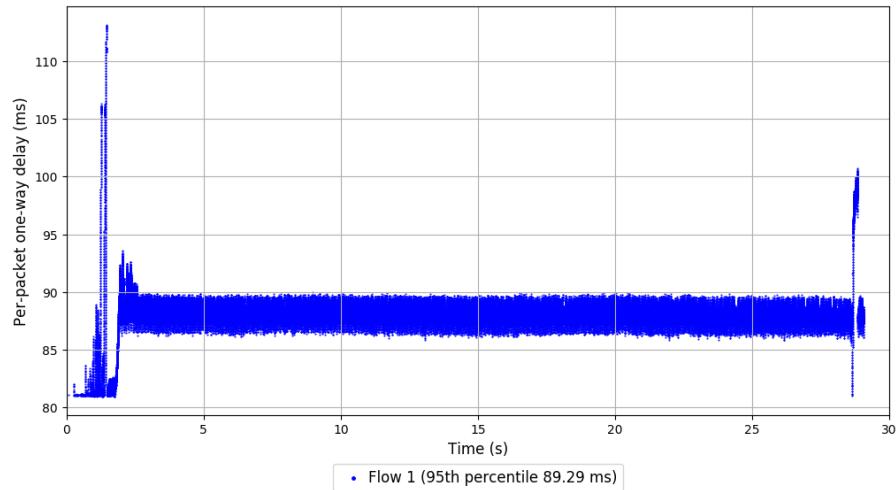
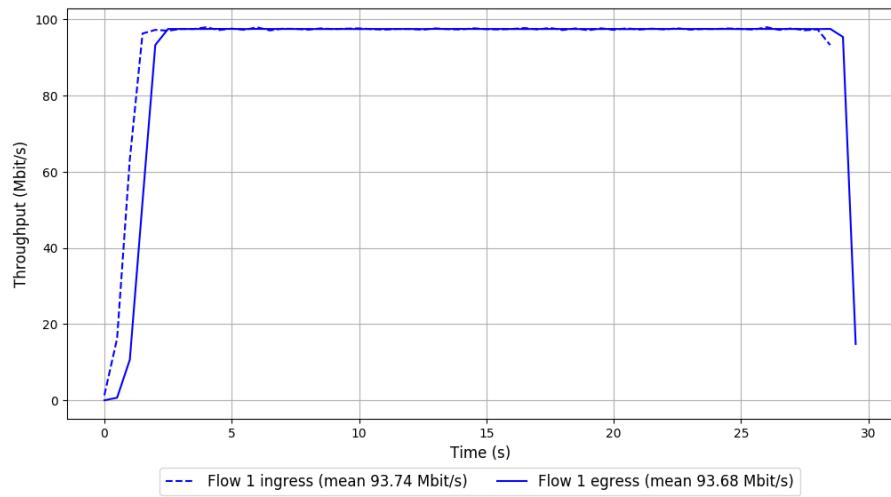


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-01-24 16:04:05
End at: 2019-01-24 16:04:35
Local clock offset: -7.024 ms
Remote clock offset: 4.322 ms

# Below is generated by plot.py at 2019-01-24 16:30:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.68 Mbit/s
95th percentile per-packet one-way delay: 89.286 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 93.68 Mbit/s
95th percentile per-packet one-way delay: 89.286 ms
Loss rate: 0.05%
```

Run 5: Report of Indigo-MusesD — Data Link

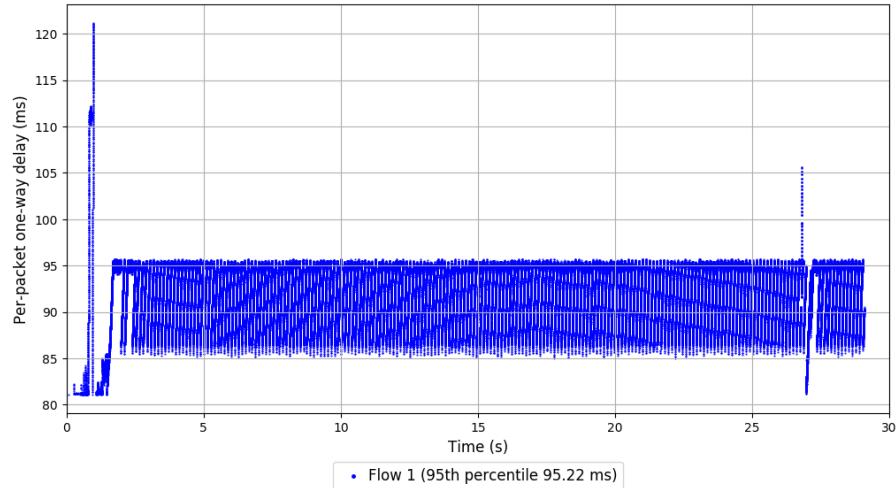
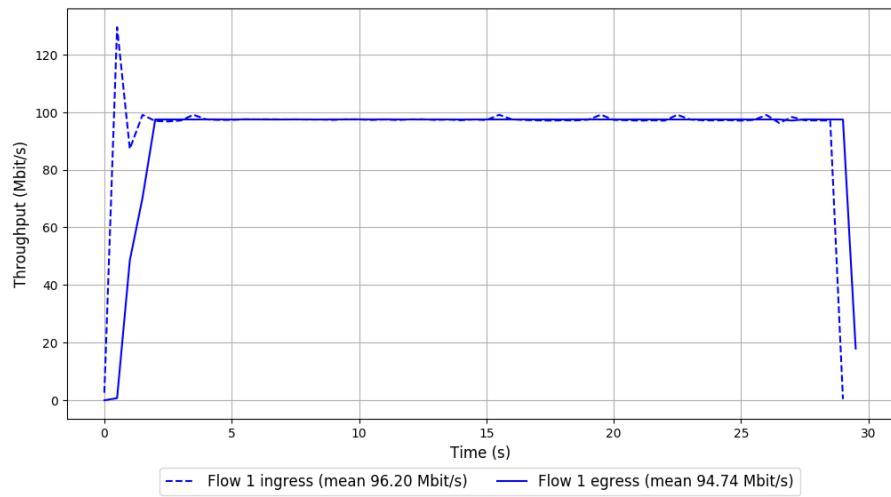


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-01-24 14:43:10
End at: 2019-01-24 14:43:40
Local clock offset: -2.488 ms
Remote clock offset: 5.119 ms

# Below is generated by plot.py at 2019-01-24 16:31:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 95.225 ms
Loss rate: 1.48%
-- Flow 1:
Average throughput: 94.74 Mbit/s
95th percentile per-packet one-way delay: 95.225 ms
Loss rate: 1.48%
```

Run 1: Report of Indigo-MusesT — Data Link

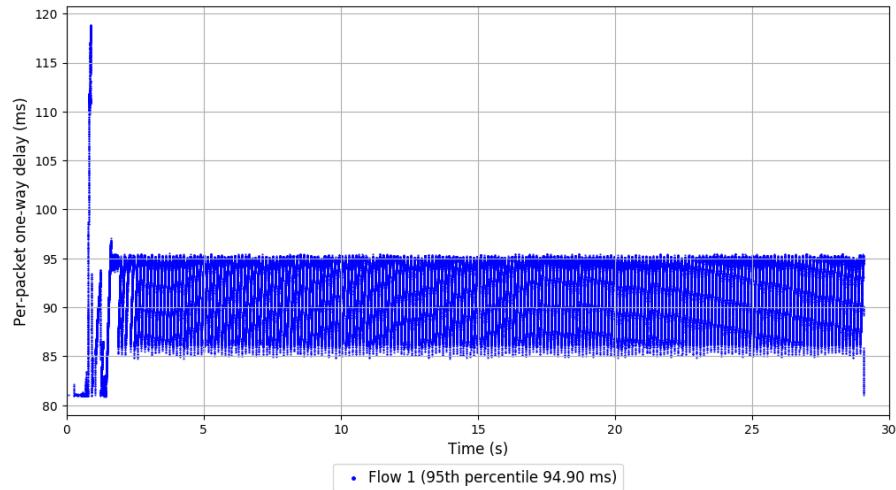
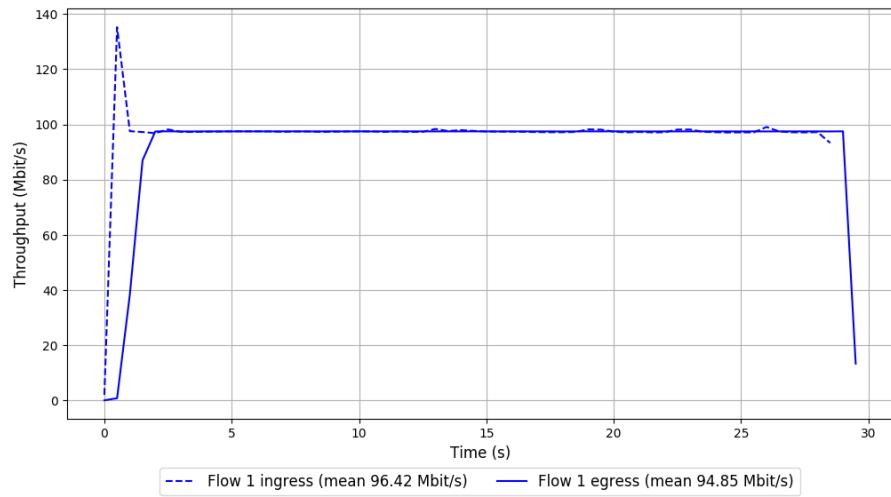


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-01-24 15:07:49
End at: 2019-01-24 15:08:19
Local clock offset: -1.864 ms
Remote clock offset: 4.933 ms

# Below is generated by plot.py at 2019-01-24 16:31:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.85 Mbit/s
95th percentile per-packet one-way delay: 94.902 ms
Loss rate: 1.61%
-- Flow 1:
Average throughput: 94.85 Mbit/s
95th percentile per-packet one-way delay: 94.902 ms
Loss rate: 1.61%
```

Run 2: Report of Indigo-MusesT — Data Link

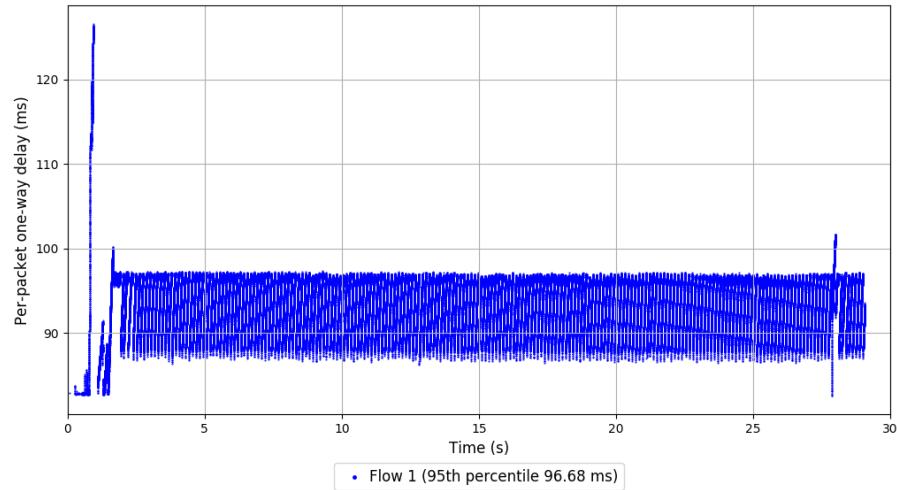
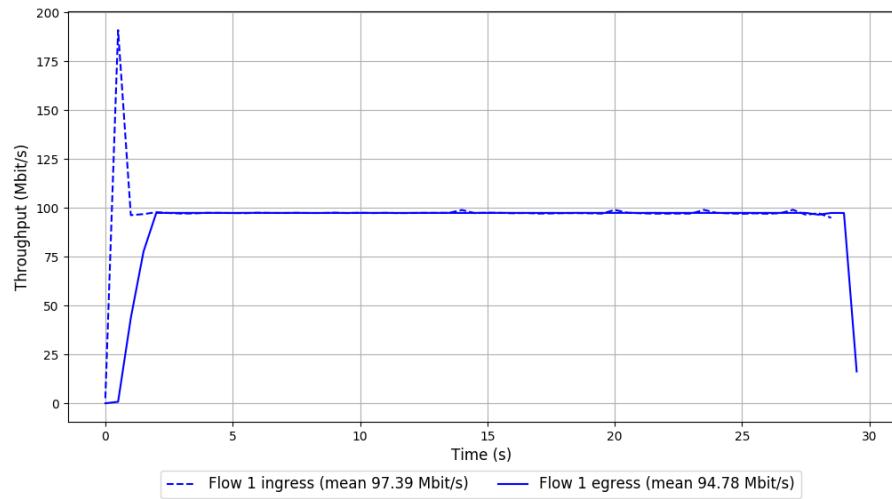


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-01-24 15:32:26
End at: 2019-01-24 15:32:56
Local clock offset: -2.078 ms
Remote clock offset: 7.547 ms

# Below is generated by plot.py at 2019-01-24 16:31:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 96.677 ms
Loss rate: 2.64%
-- Flow 1:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 96.677 ms
Loss rate: 2.64%
```

Run 3: Report of Indigo-MusesT — Data Link

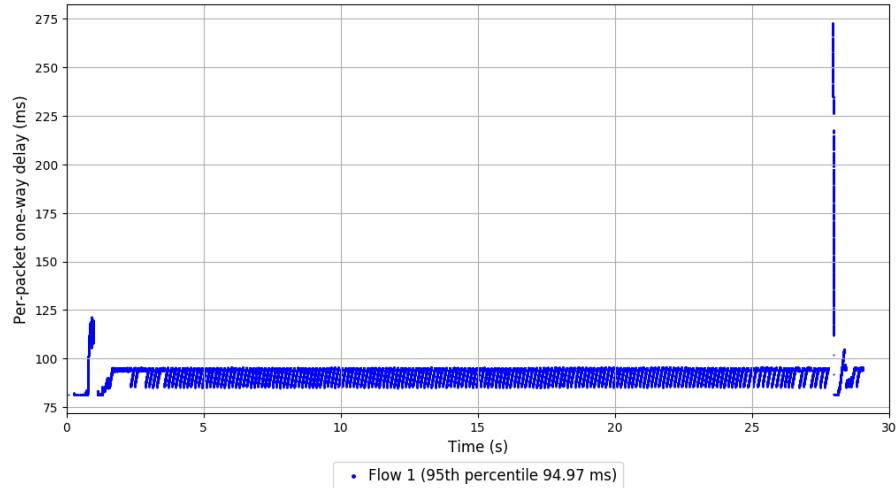
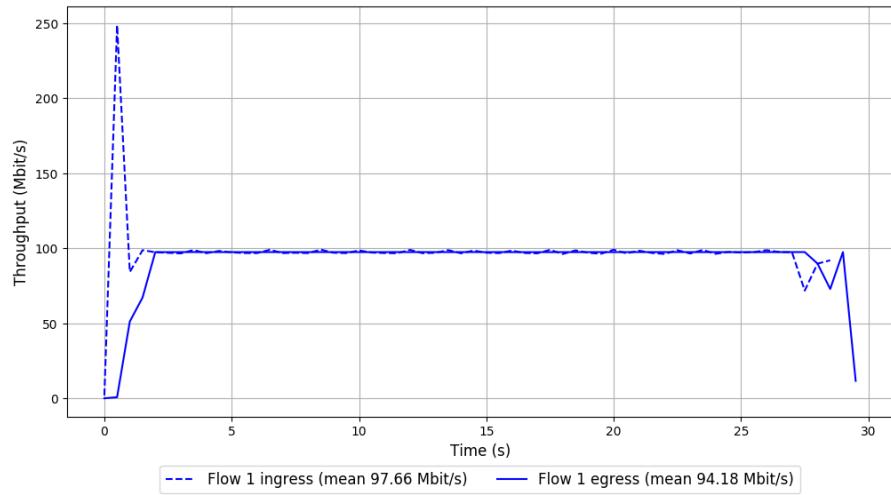


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-01-24 15:57:04
End at: 2019-01-24 15:57:34
Local clock offset: -6.642 ms
Remote clock offset: 4.24 ms

# Below is generated by plot.py at 2019-01-24 16:31:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.18 Mbit/s
95th percentile per-packet one-way delay: 94.971 ms
Loss rate: 3.51%
-- Flow 1:
Average throughput: 94.18 Mbit/s
95th percentile per-packet one-way delay: 94.971 ms
Loss rate: 3.51%
```

Run 4: Report of Indigo-MusesT — Data Link

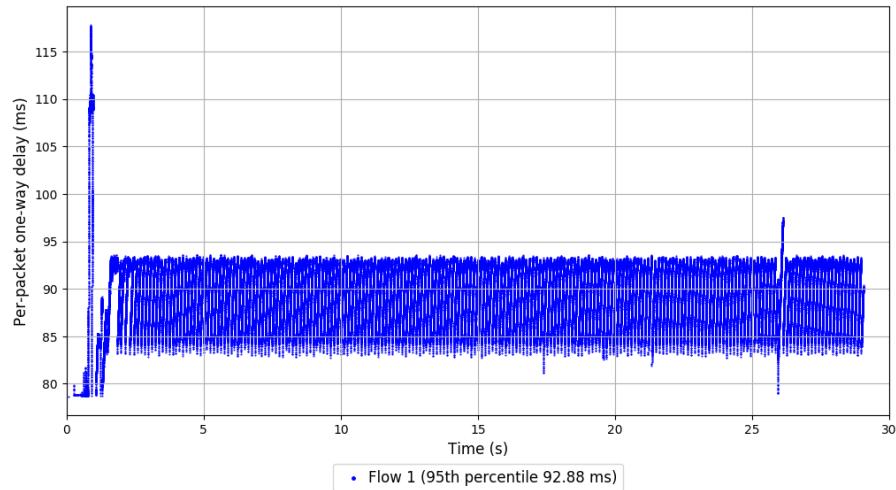
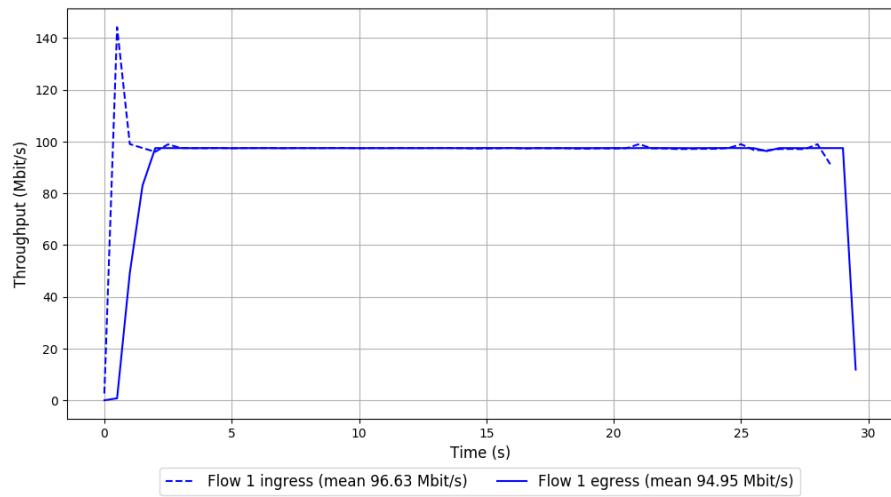


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-01-24 16:21:46
End at: 2019-01-24 16:22:16
Local clock offset: -6.88 ms
Remote clock offset: 4.66 ms

# Below is generated by plot.py at 2019-01-24 16:31:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.95 Mbit/s
95th percentile per-packet one-way delay: 92.881 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 94.95 Mbit/s
95th percentile per-packet one-way delay: 92.881 ms
Loss rate: 1.69%
```

Run 5: Report of Indigo-MusesT — Data Link

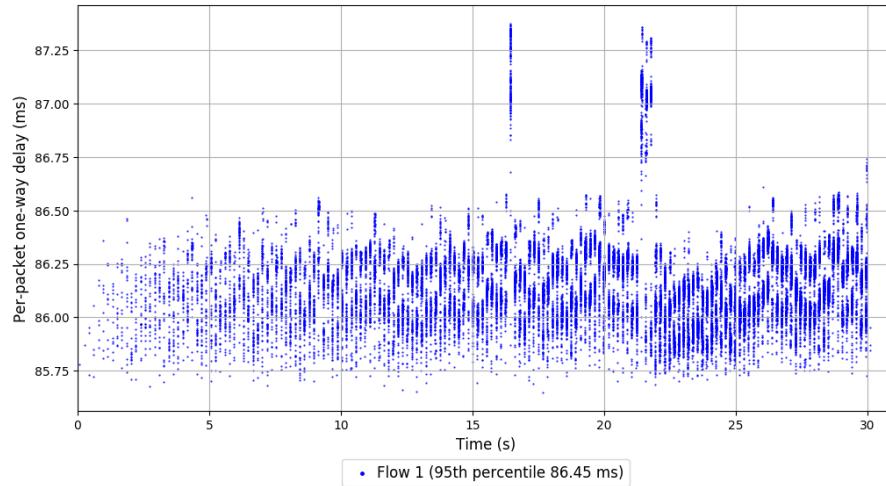
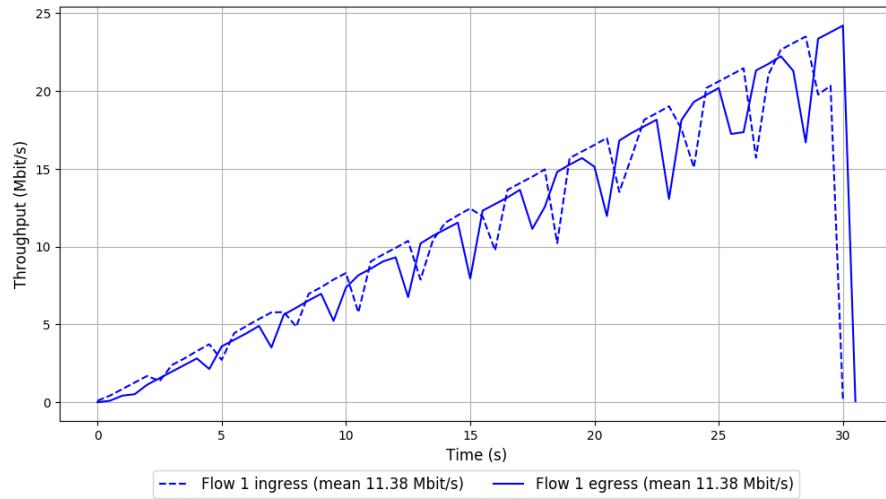


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2019-01-24 14:42:02
End at: 2019-01-24 14:42:32
Local clock offset: -2.642 ms
Remote clock offset: 9.947 ms

# Below is generated by plot.py at 2019-01-24 16:31:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.38 Mbit/s
95th percentile per-packet one-way delay: 86.453 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.38 Mbit/s
95th percentile per-packet one-way delay: 86.453 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

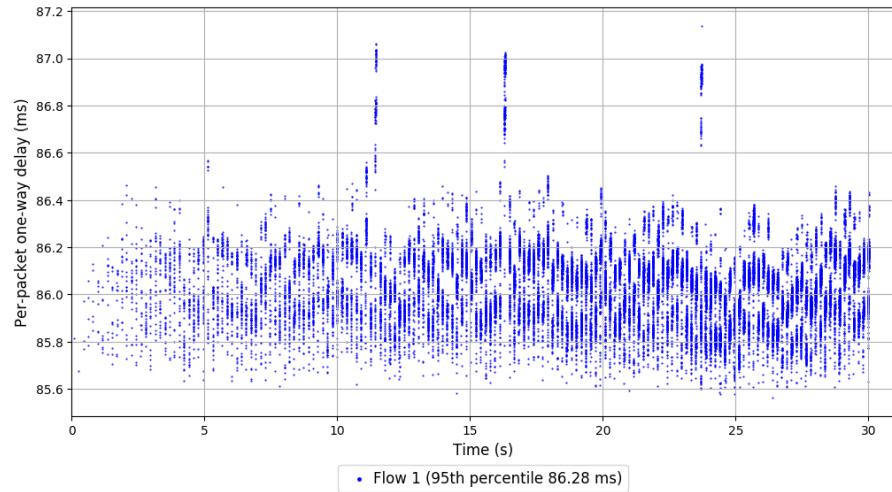
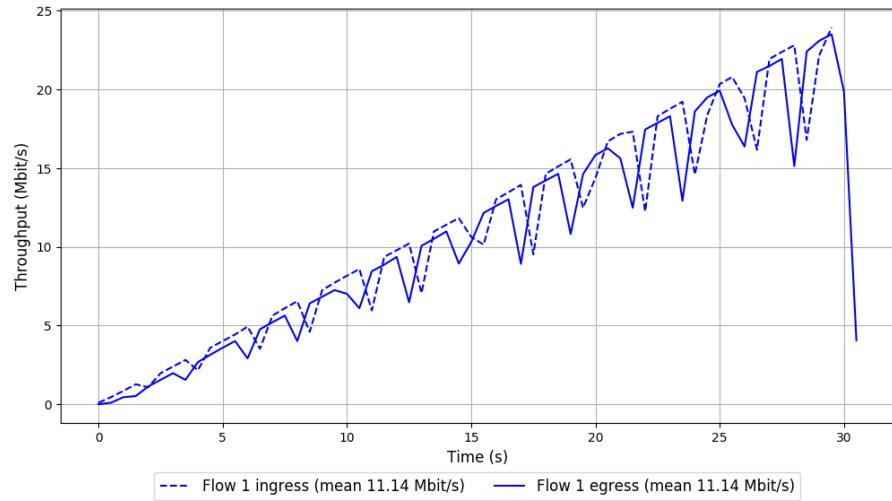


Run 2: Statistics of LEDBAT

```
Start at: 2019-01-24 15:06:40
End at: 2019-01-24 15:07:10
Local clock offset: -1.762 ms
Remote clock offset: 7.466 ms

# Below is generated by plot.py at 2019-01-24 16:31:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 86.282 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.14 Mbit/s
95th percentile per-packet one-way delay: 86.282 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

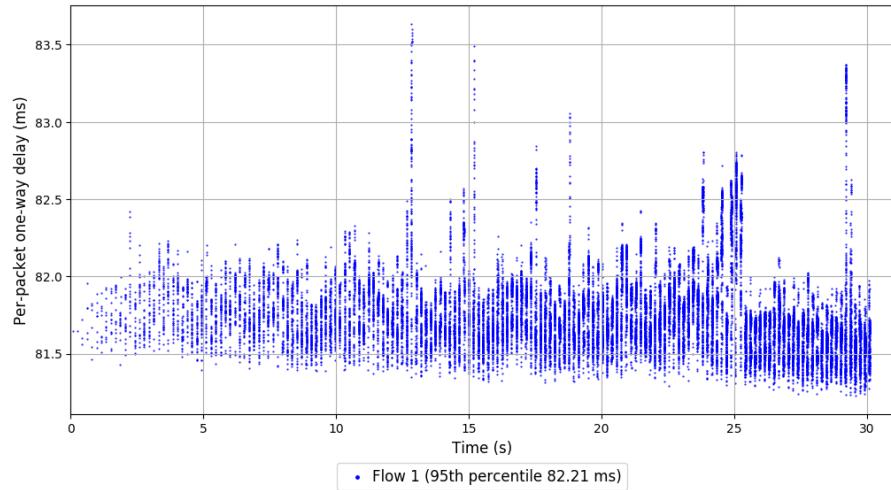
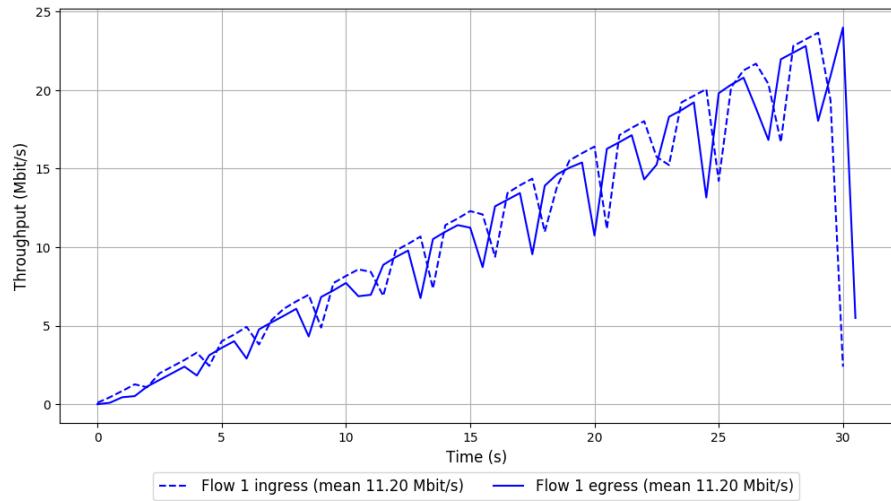


Run 3: Statistics of LEDBAT

```
Start at: 2019-01-24 15:31:18
End at: 2019-01-24 15:31:48
Local clock offset: -1.524 ms
Remote clock offset: 4.954 ms

# Below is generated by plot.py at 2019-01-24 16:31:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.20 Mbit/s
95th percentile per-packet one-way delay: 82.211 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 11.20 Mbit/s
95th percentile per-packet one-way delay: 82.211 ms
Loss rate: 0.03%
```

Run 3: Report of LEDBAT — Data Link

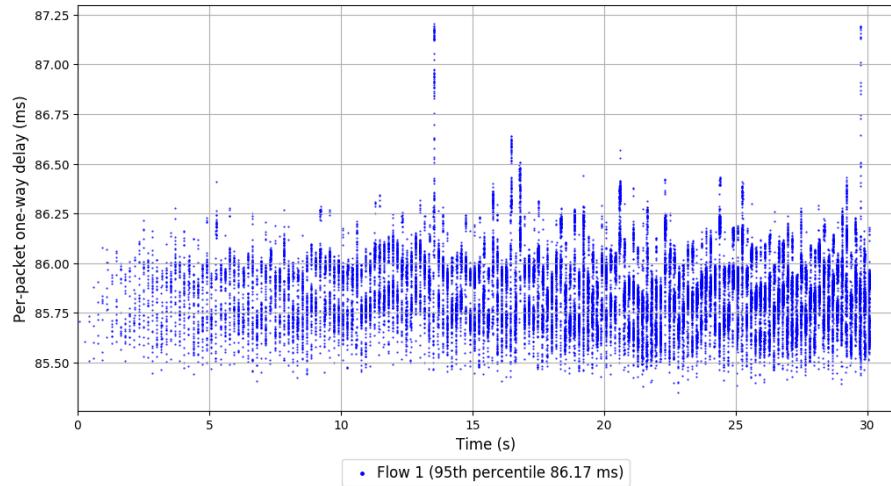
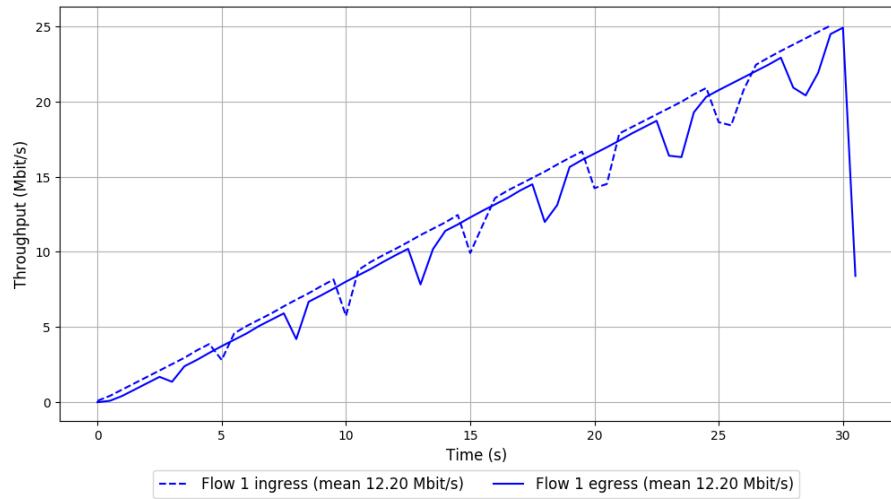


Run 4: Statistics of LEDBAT

```
Start at: 2019-01-24 15:55:55
End at: 2019-01-24 15:56:25
Local clock offset: -6.601 ms
Remote clock offset: 8.106 ms

# Below is generated by plot.py at 2019-01-24 16:31:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.20 Mbit/s
95th percentile per-packet one-way delay: 86.166 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 12.20 Mbit/s
95th percentile per-packet one-way delay: 86.166 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

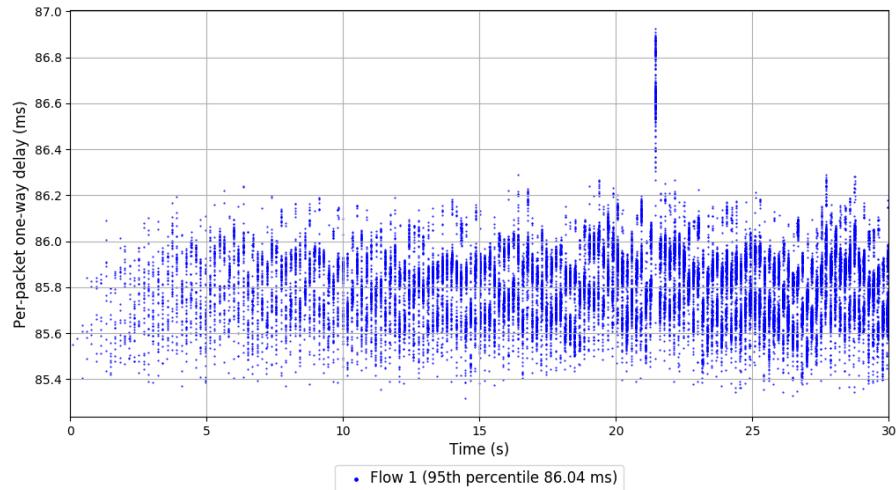
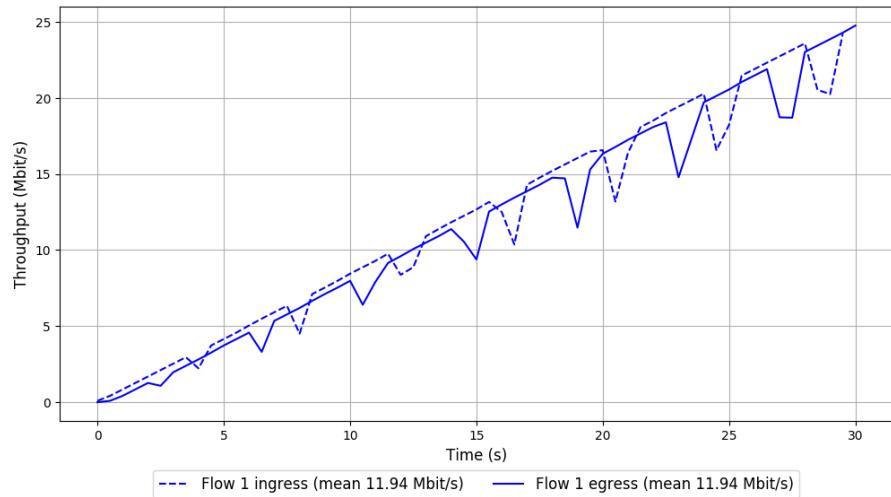


Run 5: Statistics of LEDBAT

```
Start at: 2019-01-24 16:20:33
End at: 2019-01-24 16:21:03
Local clock offset: -6.838 ms
Remote clock offset: 9.508 ms

# Below is generated by plot.py at 2019-01-24 16:31:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.94 Mbit/s
95th percentile per-packet one-way delay: 86.042 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.94 Mbit/s
95th percentile per-packet one-way delay: 86.042 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

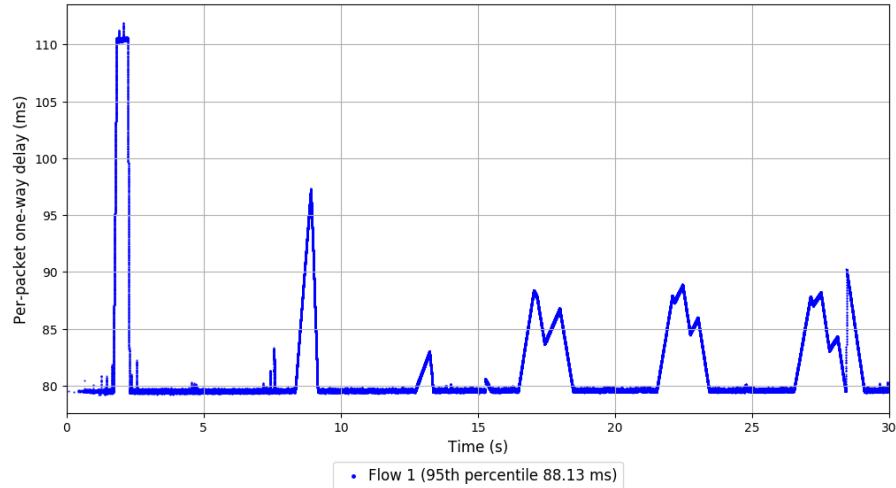
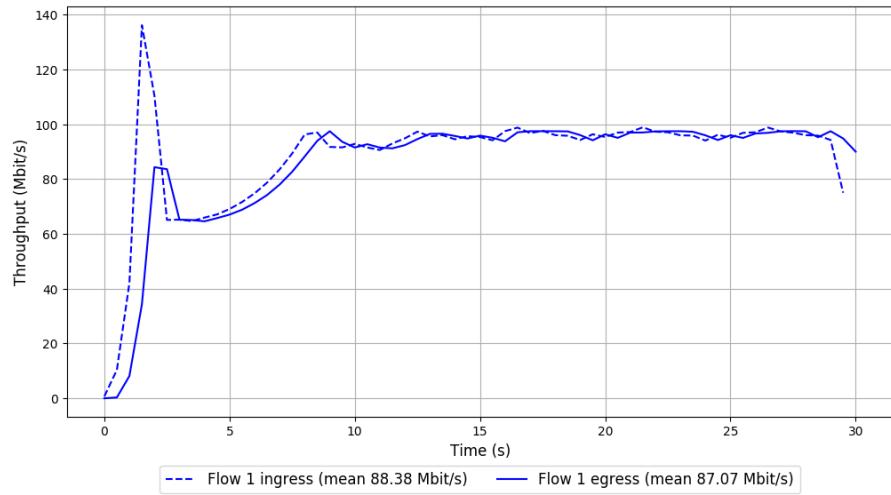


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-01-24 14:32:37
End at: 2019-01-24 14:33:07
Local clock offset: -3.523 ms
Remote clock offset: 3.833 ms

# Below is generated by plot.py at 2019-01-24 16:32:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 88.134 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 87.07 Mbit/s
95th percentile per-packet one-way delay: 88.134 ms
Loss rate: 1.49%
```

Run 1: Report of PCC-Allegro — Data Link

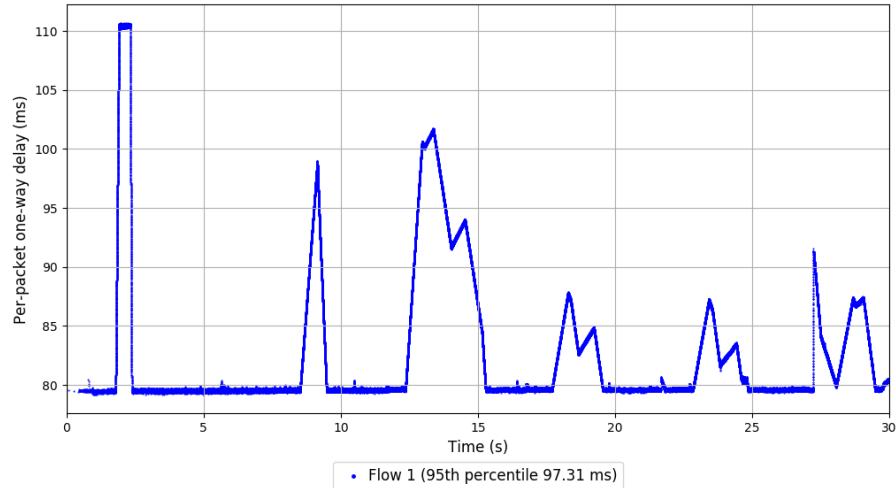
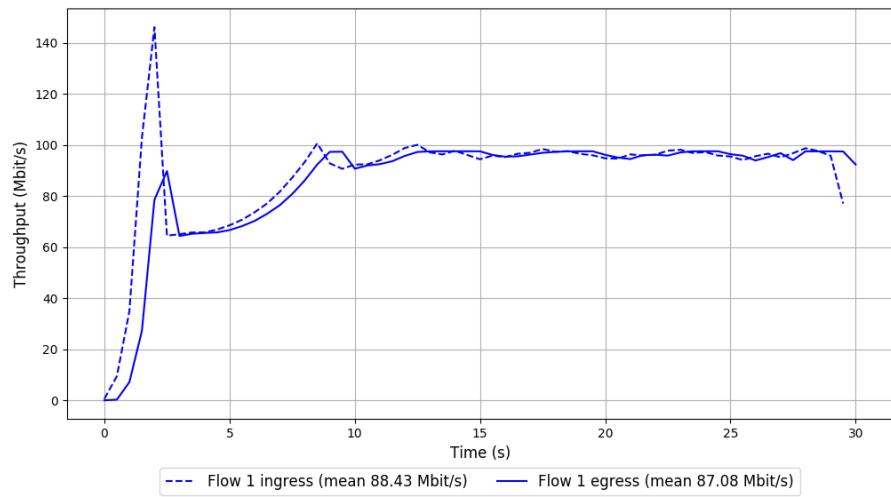


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-01-24 14:57:15
End at: 2019-01-24 14:57:45
Local clock offset: -0.203 ms
Remote clock offset: 3.708 ms

# Below is generated by plot.py at 2019-01-24 16:32:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.08 Mbit/s
95th percentile per-packet one-way delay: 97.313 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 87.08 Mbit/s
95th percentile per-packet one-way delay: 97.313 ms
Loss rate: 1.52%
```

Run 2: Report of PCC-Allegro — Data Link

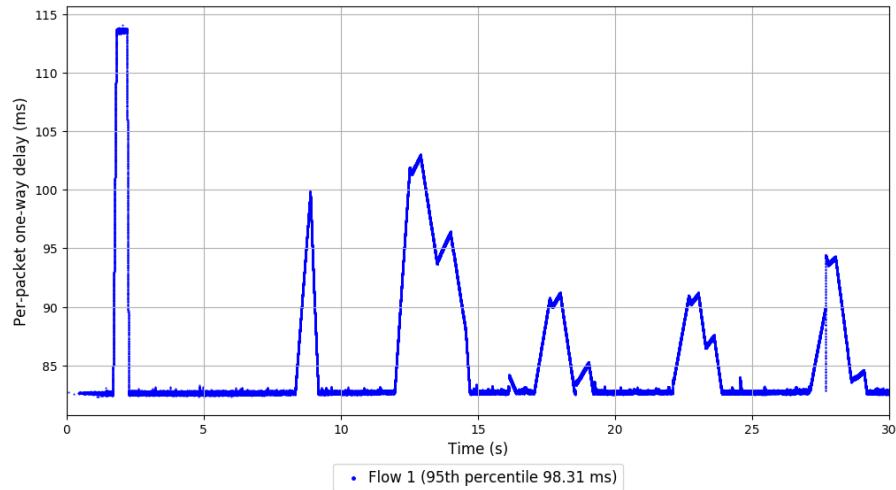
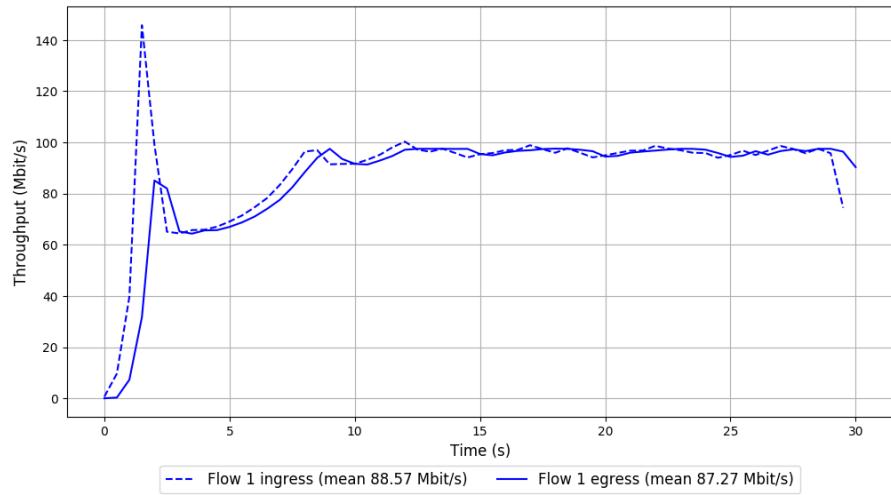


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-01-24 15:21:52
End at: 2019-01-24 15:22:22
Local clock offset: -1.255 ms
Remote clock offset: 7.482 ms

# Below is generated by plot.py at 2019-01-24 16:32:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.27 Mbit/s
95th percentile per-packet one-way delay: 98.313 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 87.27 Mbit/s
95th percentile per-packet one-way delay: 98.313 ms
Loss rate: 1.47%
```

Run 3: Report of PCC-Allegro — Data Link

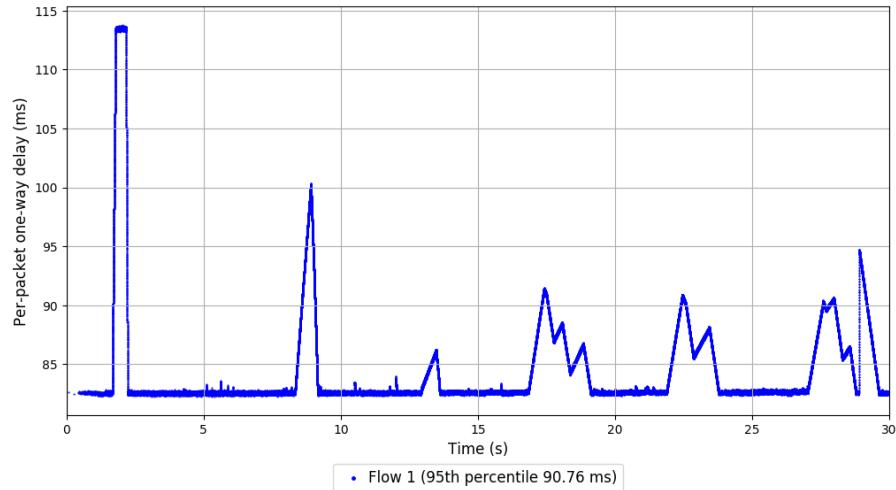
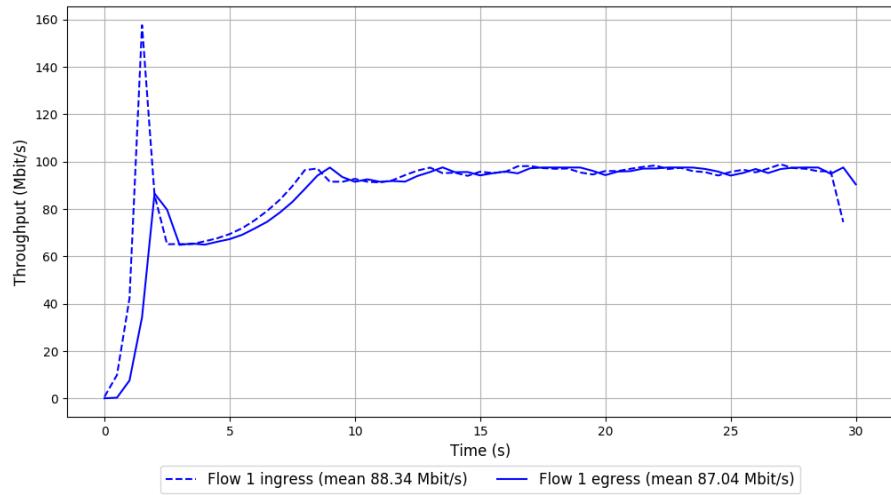


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-01-24 15:46:31
End at: 2019-01-24 15:47:01
Local clock offset: -5.246 ms
Remote clock offset: 4.318 ms

# Below is generated by plot.py at 2019-01-24 16:32:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.04 Mbit/s
95th percentile per-packet one-way delay: 90.756 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 87.04 Mbit/s
95th percentile per-packet one-way delay: 90.756 ms
Loss rate: 1.47%
```

Run 4: Report of PCC-Allegro — Data Link

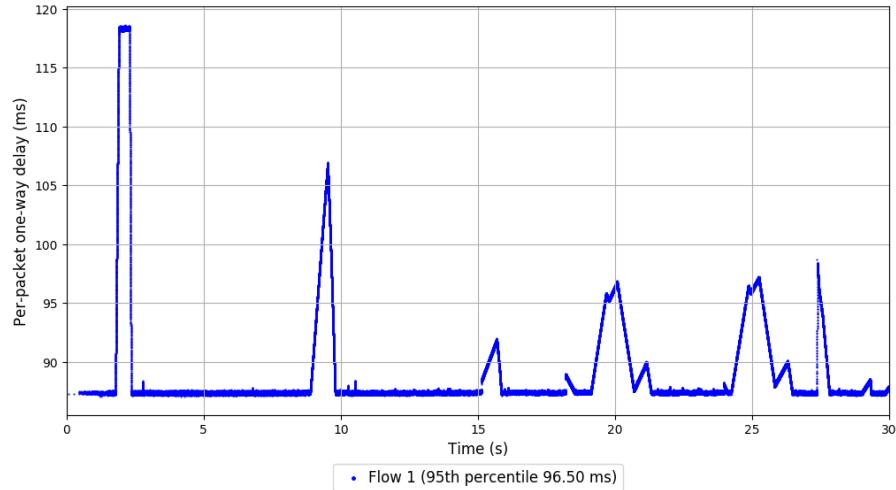
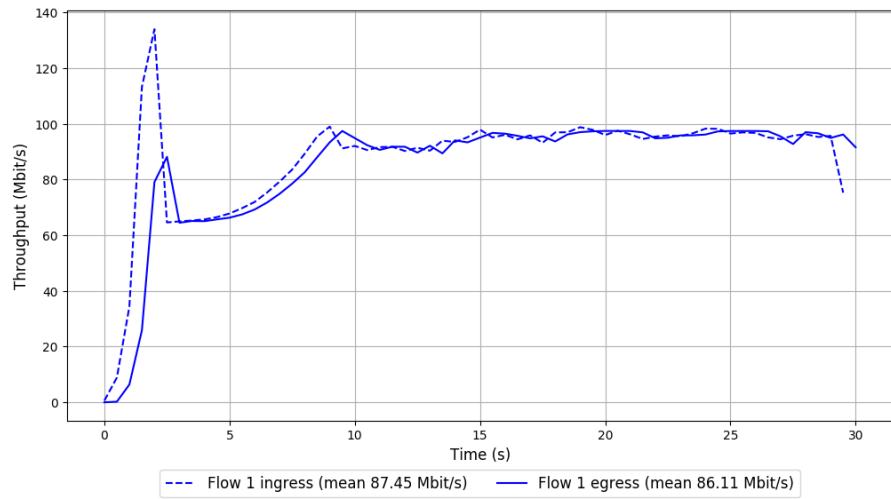


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-01-24 16:11:08
End at: 2019-01-24 16:11:38
Local clock offset: -7.302 ms
Remote clock offset: 10.047 ms

# Below is generated by plot.py at 2019-01-24 16:32:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.11 Mbit/s
95th percentile per-packet one-way delay: 96.498 ms
Loss rate: 1.54%
-- Flow 1:
Average throughput: 86.11 Mbit/s
95th percentile per-packet one-way delay: 96.498 ms
Loss rate: 1.54%
```

Run 5: Report of PCC-Allegro — Data Link

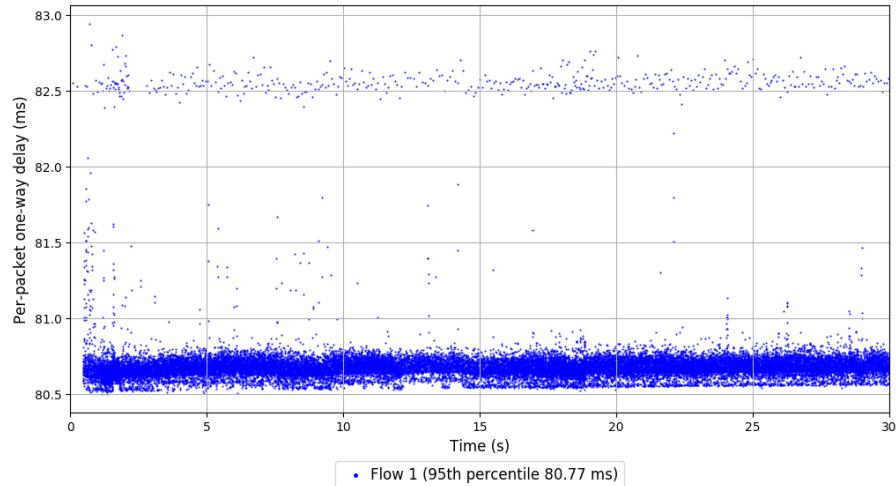
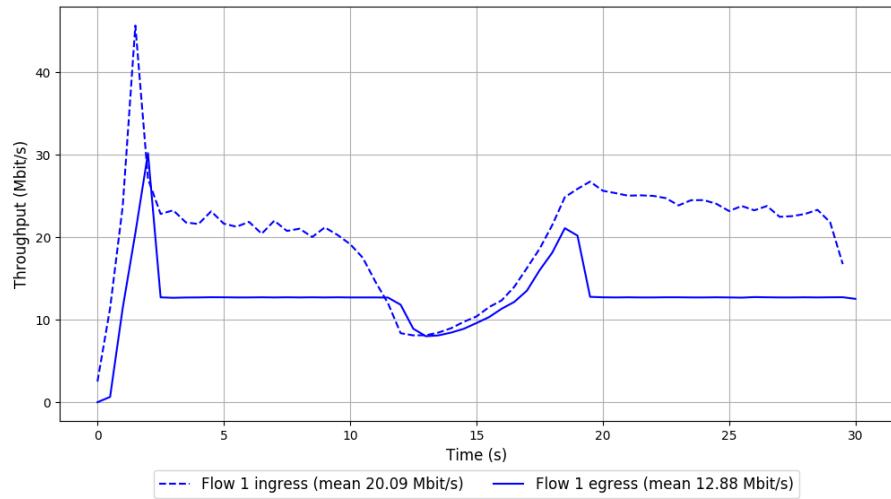


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-01-24 14:24:25
End at: 2019-01-24 14:24:55
Local clock offset: -3.366 ms
Remote clock offset: 4.059 ms

# Below is generated by plot.py at 2019-01-24 16:32:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.88 Mbit/s
95th percentile per-packet one-way delay: 80.772 ms
Loss rate: 35.93%
-- Flow 1:
Average throughput: 12.88 Mbit/s
95th percentile per-packet one-way delay: 80.772 ms
Loss rate: 35.93%
```

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

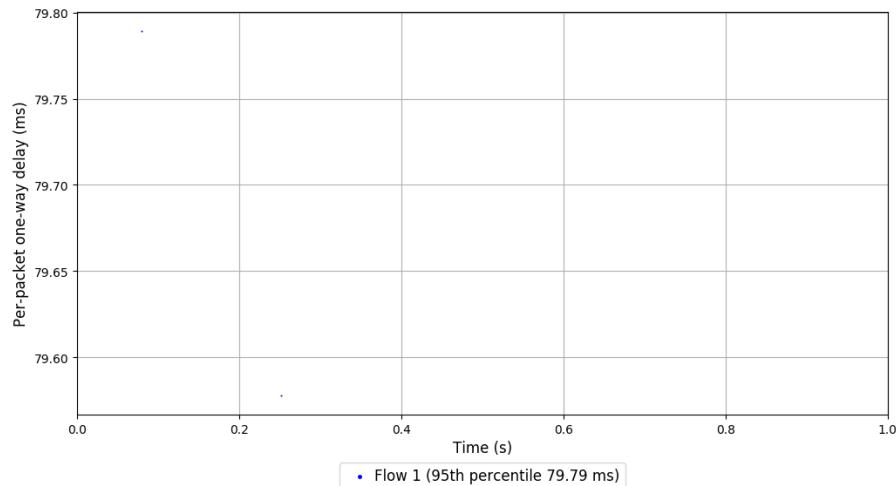
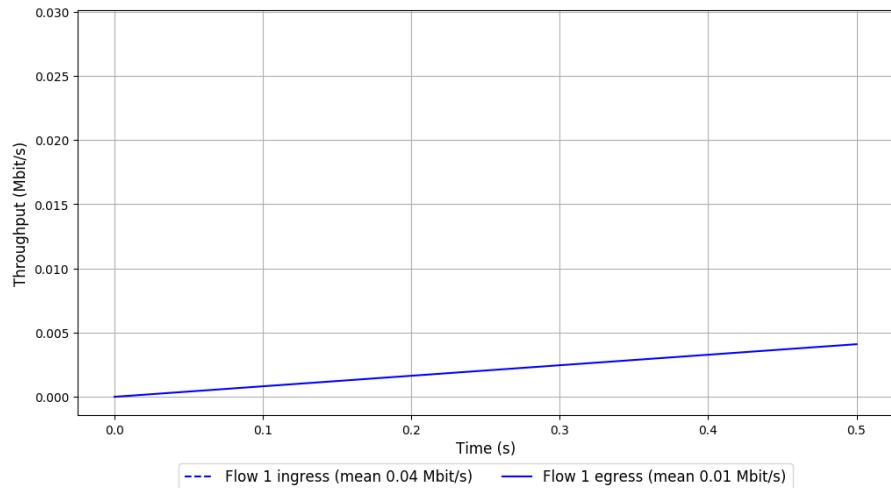
Start at: 2019-01-24 14:49:04

End at: 2019-01-24 14:49:34

Local clock offset: -1.076 ms

Remote clock offset: 4.75 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

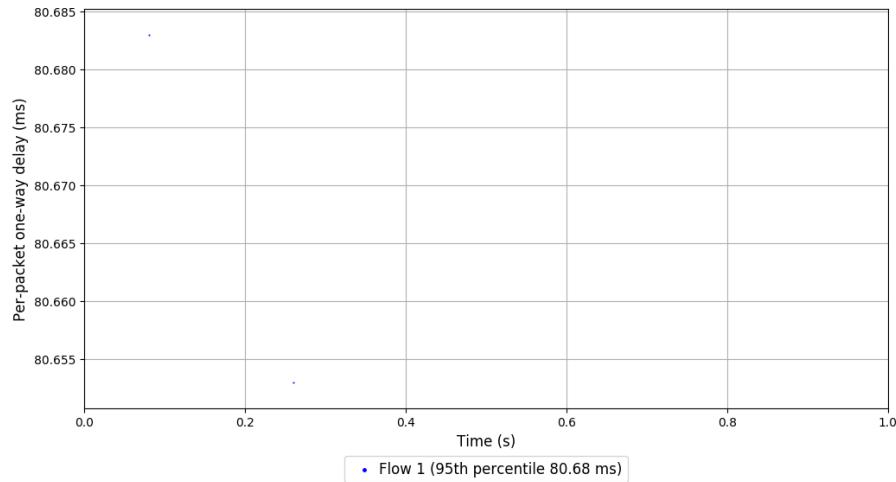
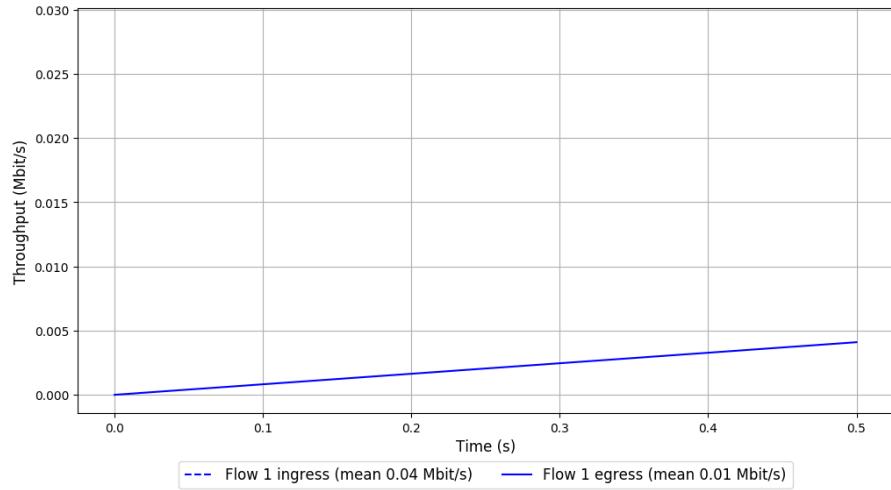
Start at: 2019-01-24 15:13:42

End at: 2019-01-24 15:14:12

Local clock offset: -1.391 ms

Remote clock offset: 3.924 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

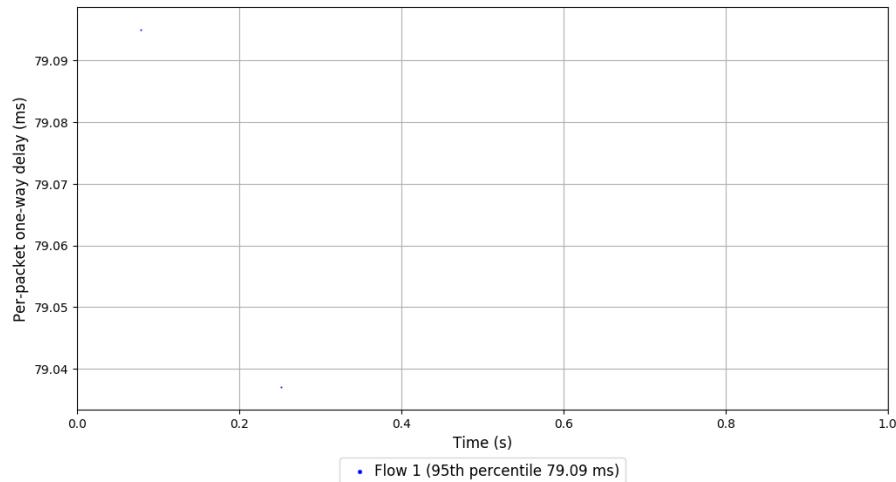
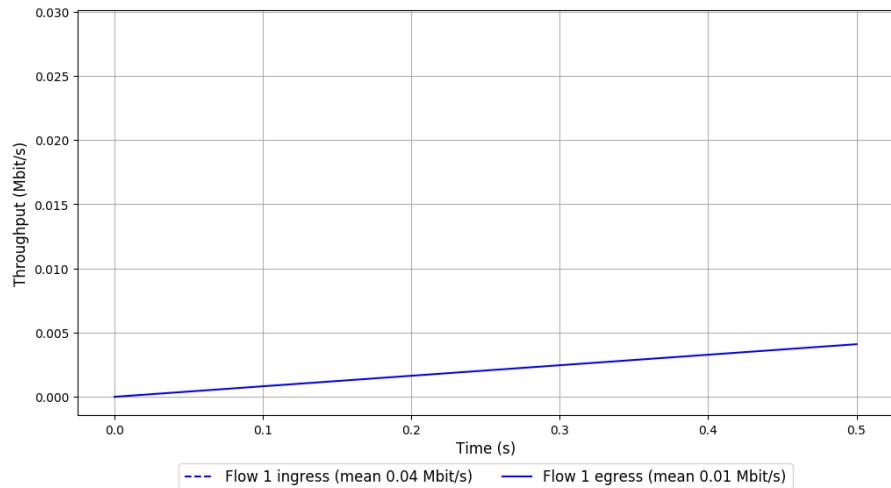
Start at: 2019-01-24 15:38:19

End at: 2019-01-24 15:38:49

Local clock offset: -4.021 ms

Remote clock offset: 3.404 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

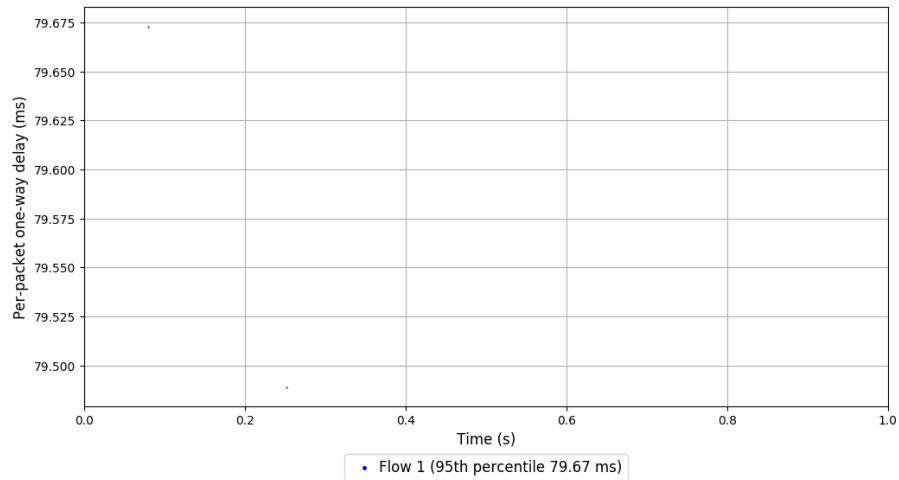
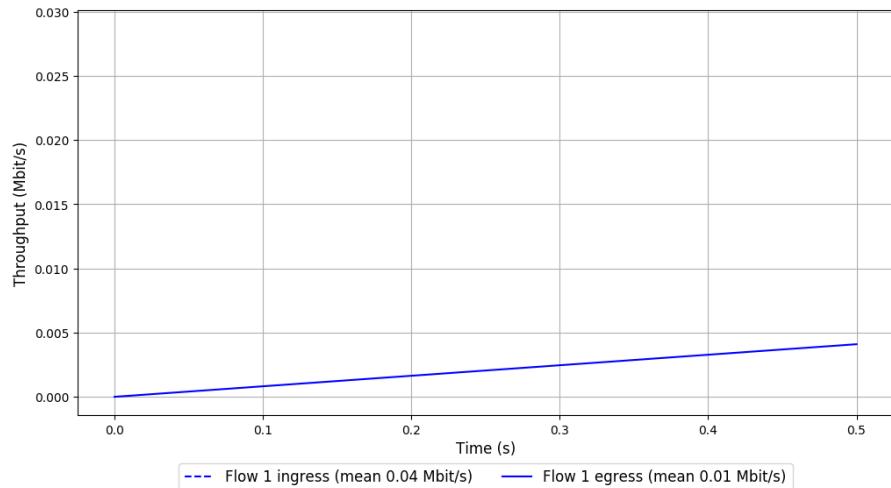
Start at: 2019-01-24 16:02:58

End at: 2019-01-24 16:03:28

Local clock offset: -6.178 ms

Remote clock offset: 3.068 ms

Run 5: Report of PCC-Expr — Data Link

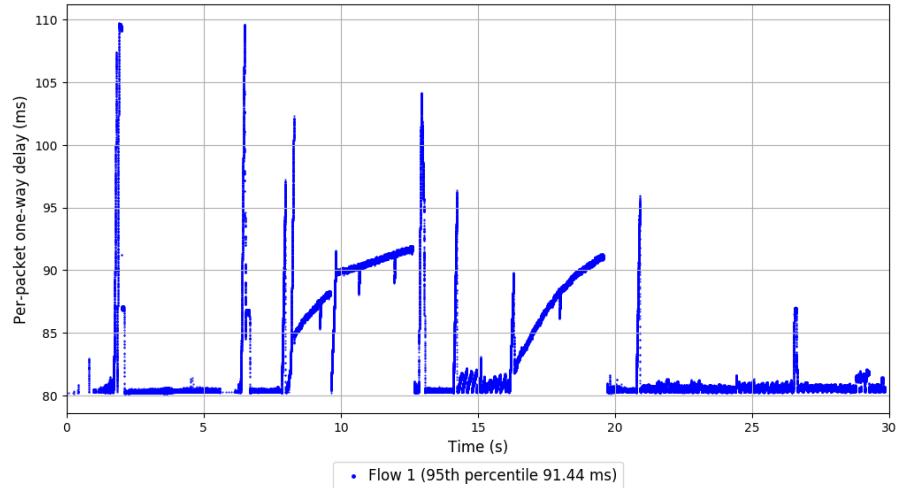
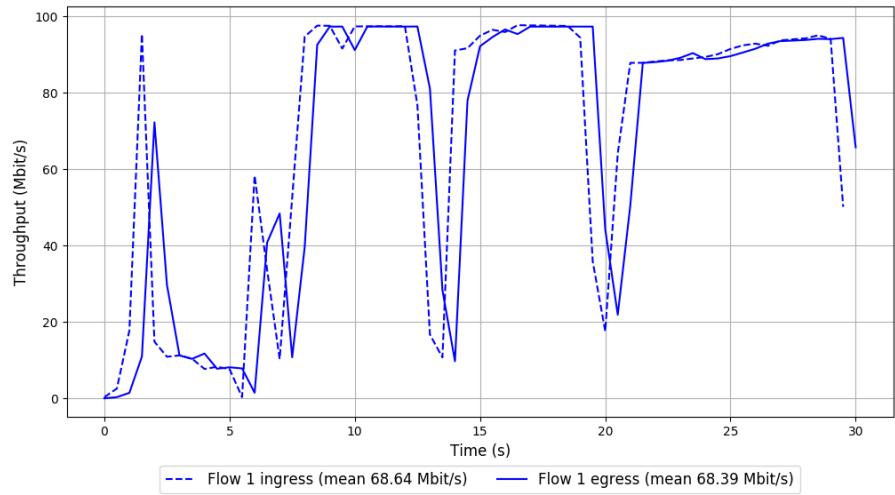


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-01-24 14:40:51
End at: 2019-01-24 14:41:21
Local clock offset: -2.008 ms
Remote clock offset: 5.089 ms

# Below is generated by plot.py at 2019-01-24 16:32:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.39 Mbit/s
95th percentile per-packet one-way delay: 91.442 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 68.39 Mbit/s
95th percentile per-packet one-way delay: 91.442 ms
Loss rate: 0.37%
```

Run 1: Report of QUIC Cubic — Data Link

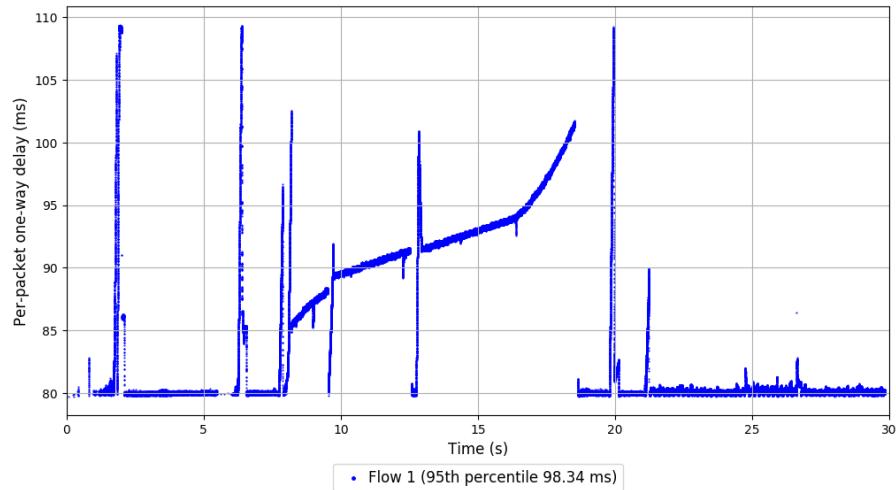
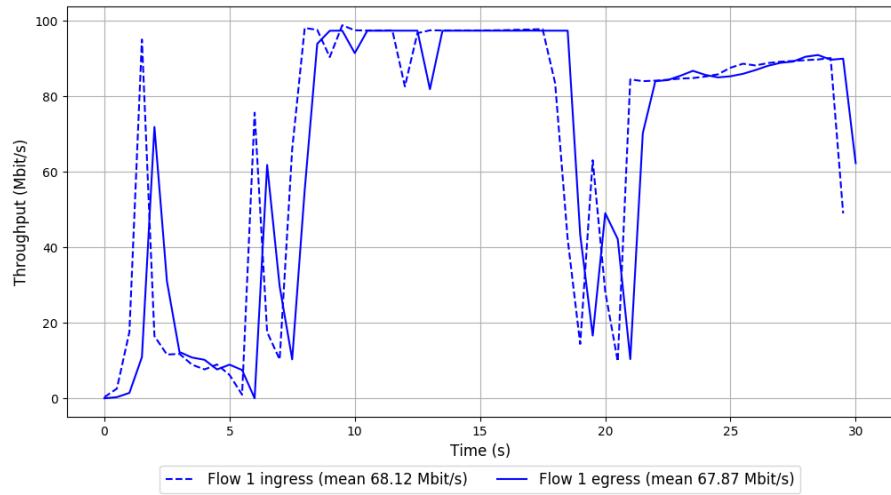


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-01-24 15:05:29
End at: 2019-01-24 15:05:59
Local clock offset: -0.917 ms
Remote clock offset: 3.9 ms

# Below is generated by plot.py at 2019-01-24 16:32:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.87 Mbit/s
95th percentile per-packet one-way delay: 98.337 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 67.87 Mbit/s
95th percentile per-packet one-way delay: 98.337 ms
Loss rate: 0.37%
```

Run 2: Report of QUIC Cubic — Data Link

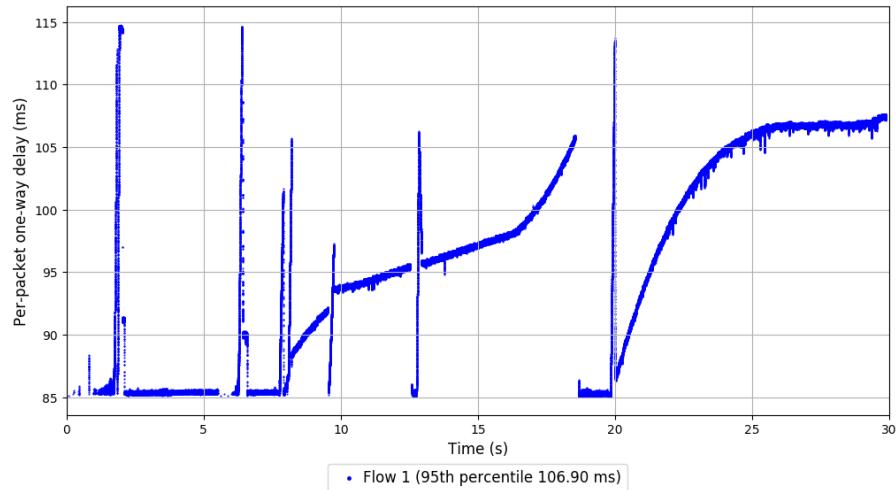
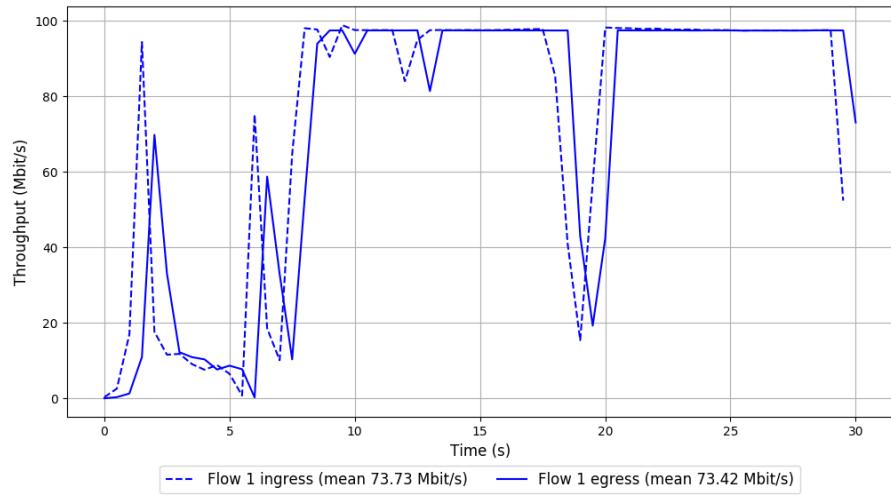


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-01-24 15:30:06
End at: 2019-01-24 15:30:36
Local clock offset: -0.923 ms
Remote clock offset: 8.87 ms

# Below is generated by plot.py at 2019-01-24 16:32:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.42 Mbit/s
95th percentile per-packet one-way delay: 106.901 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 73.42 Mbit/s
95th percentile per-packet one-way delay: 106.901 ms
Loss rate: 0.34%
```

Run 3: Report of QUIC Cubic — Data Link

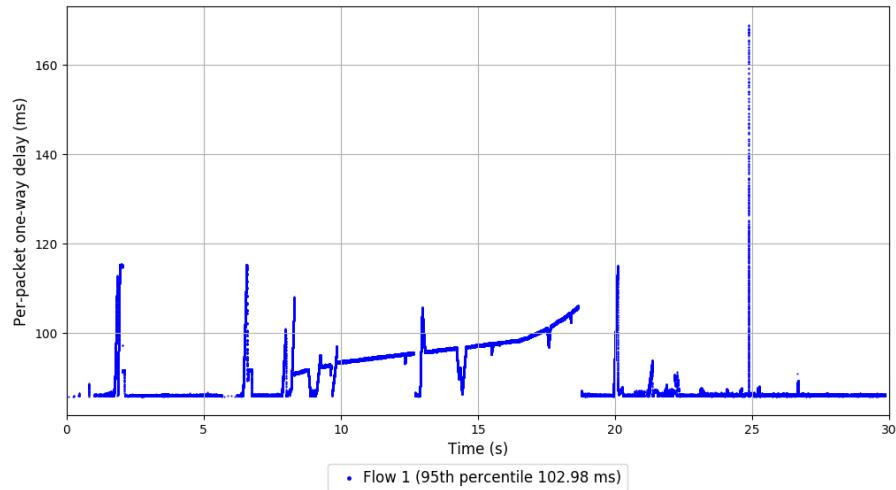
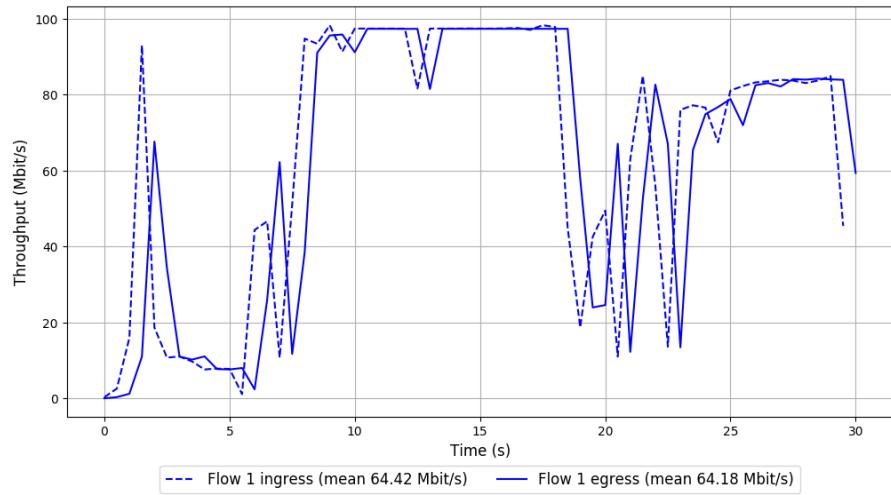


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-01-24 15:54:44
End at: 2019-01-24 15:55:14
Local clock offset: -6.542 ms
Remote clock offset: 6.864 ms

# Below is generated by plot.py at 2019-01-24 16:33:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.18 Mbit/s
95th percentile per-packet one-way delay: 102.976 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 64.18 Mbit/s
95th percentile per-packet one-way delay: 102.976 ms
Loss rate: 0.39%
```

Run 4: Report of QUIC Cubic — Data Link

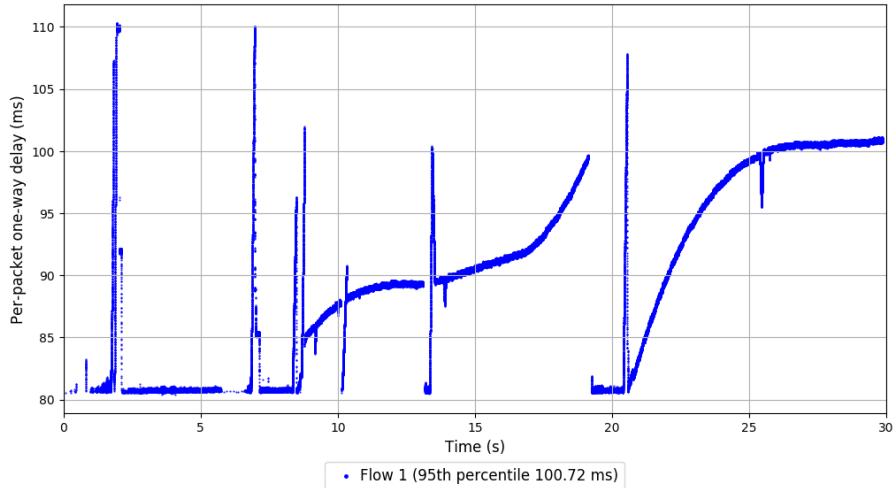
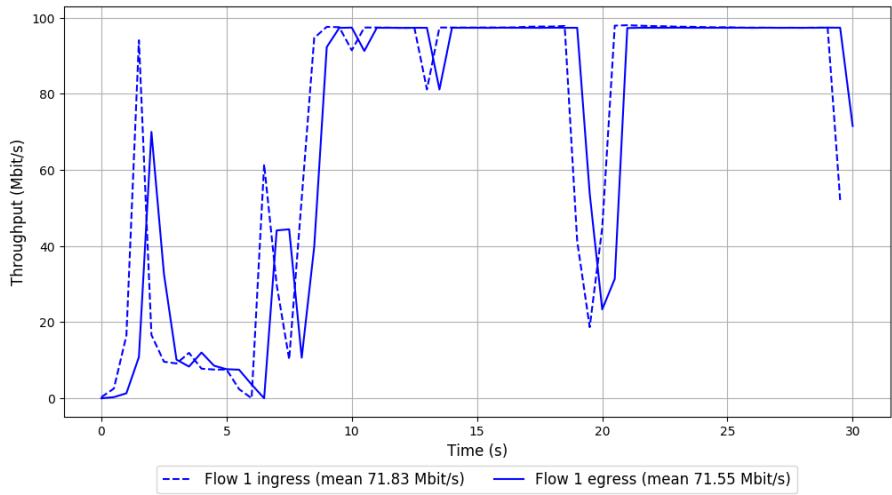


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-01-24 16:19:21
End at: 2019-01-24 16:19:51
Local clock offset: -6.805 ms
Remote clock offset: 4.665 ms

# Below is generated by plot.py at 2019-01-24 16:33:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.55 Mbit/s
95th percentile per-packet one-way delay: 100.716 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 71.55 Mbit/s
95th percentile per-packet one-way delay: 100.716 ms
Loss rate: 0.33%
```

Run 5: Report of QUIC Cubic — Data Link

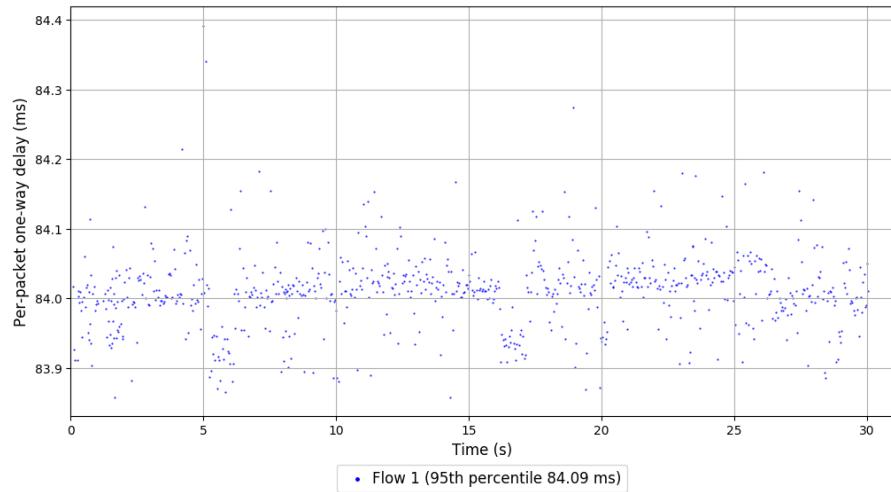
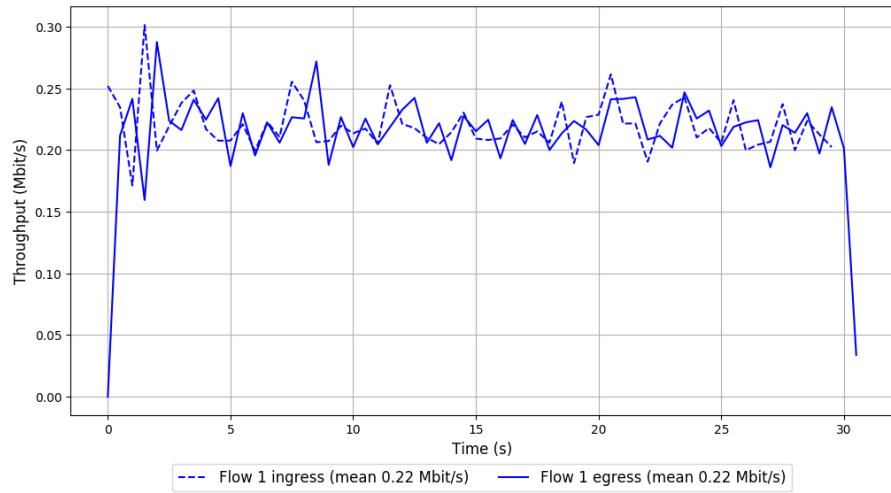


Run 1: Statistics of SCReAM

```
Start at: 2019-01-24 14:22:06
End at: 2019-01-24 14:22:36
Local clock offset: -3.444 ms
Remote clock offset: 9.054 ms

# Below is generated by plot.py at 2019-01-24 16:33:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.094 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.094 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

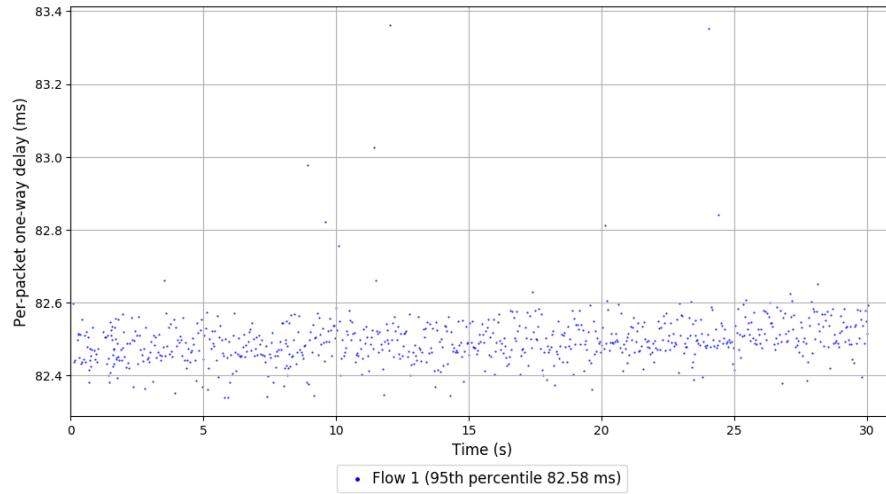
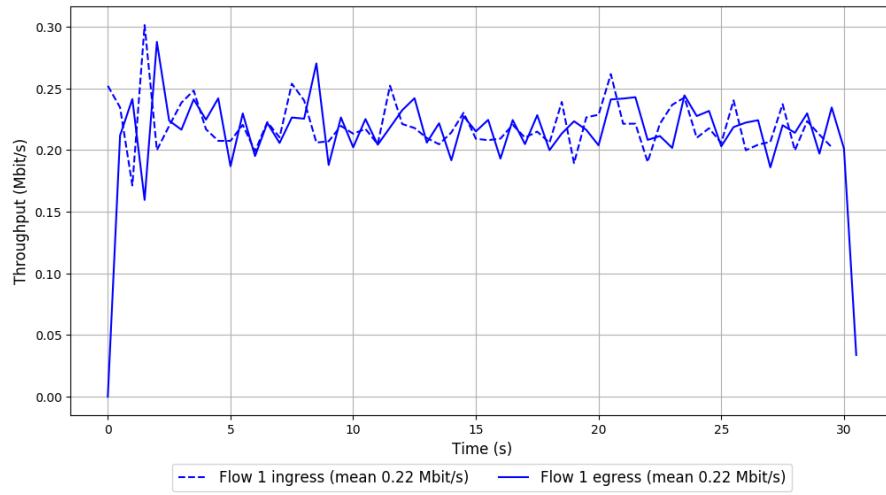


Run 2: Statistics of SCReAM

```
Start at: 2019-01-24 14:46:44
End at: 2019-01-24 14:47:14
Local clock offset: -2.076 ms
Remote clock offset: 4.963 ms

# Below is generated by plot.py at 2019-01-24 16:33:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.578 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 82.578 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

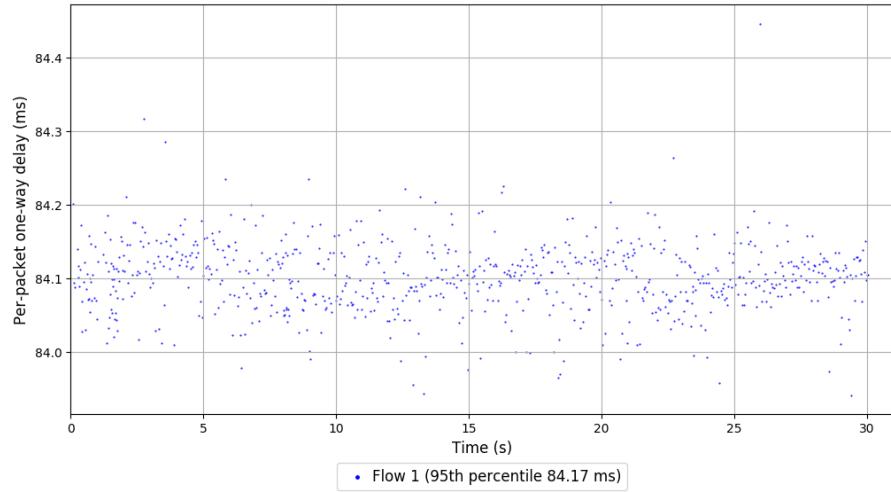
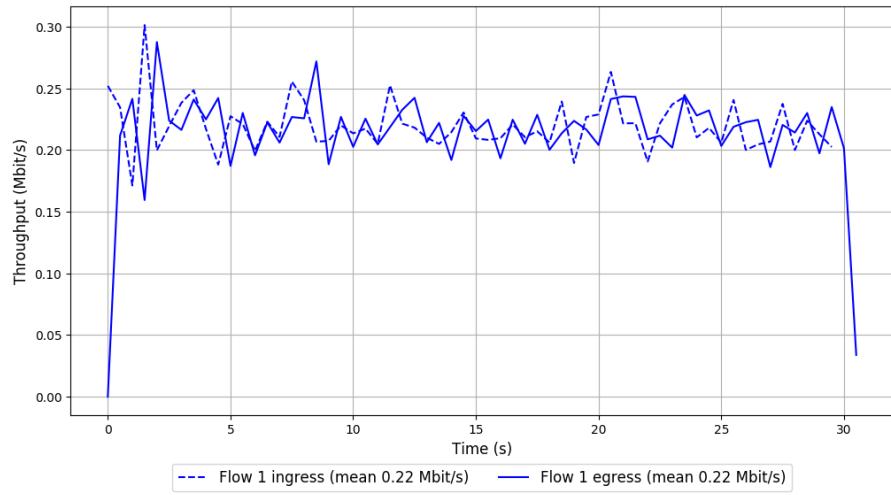


Run 3: Statistics of SCReAM

```
Start at: 2019-01-24 15:11:23
End at: 2019-01-24 15:11:53
Local clock offset: -1.327 ms
Remote clock offset: 8.802 ms

# Below is generated by plot.py at 2019-01-24 16:33:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.172 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 84.172 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

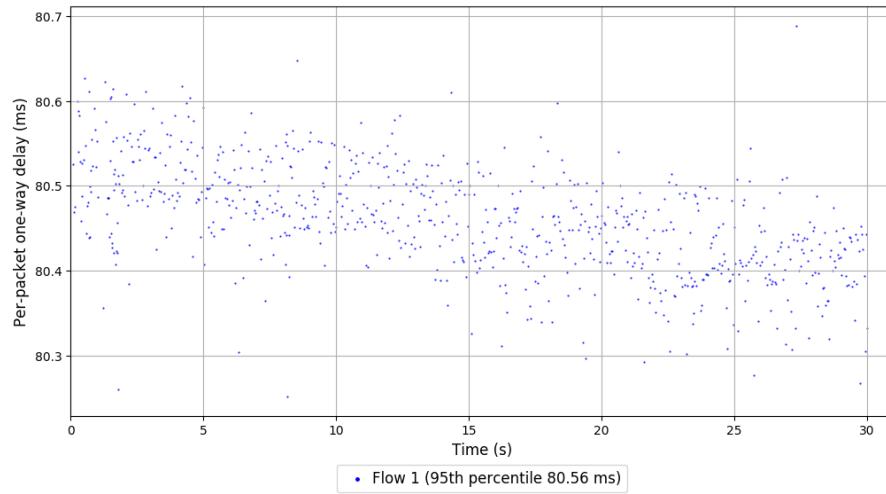
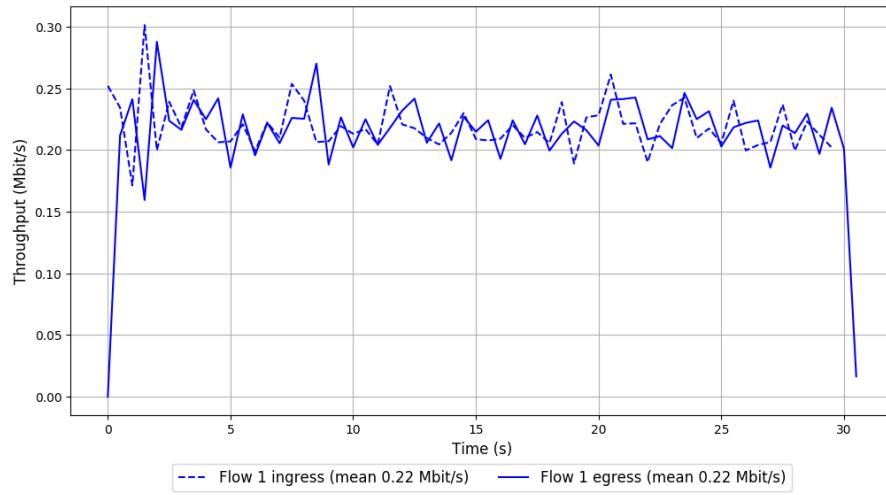


Run 4: Statistics of SCReAM

```
Start at: 2019-01-24 15:36:00
End at: 2019-01-24 15:36:30
Local clock offset: -3.428 ms
Remote clock offset: 3.465 ms

# Below is generated by plot.py at 2019-01-24 16:33:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.561 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 80.561 ms
Loss rate: 0.13%
```

Run 4: Report of SCReAM — Data Link

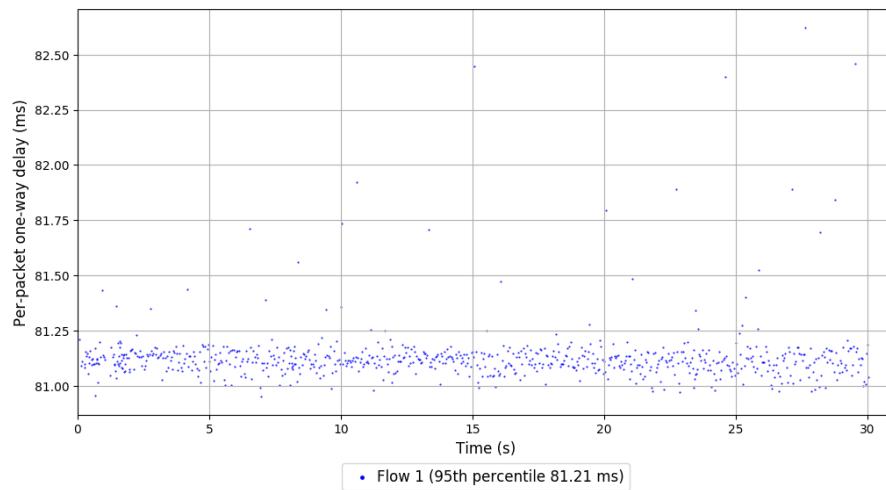
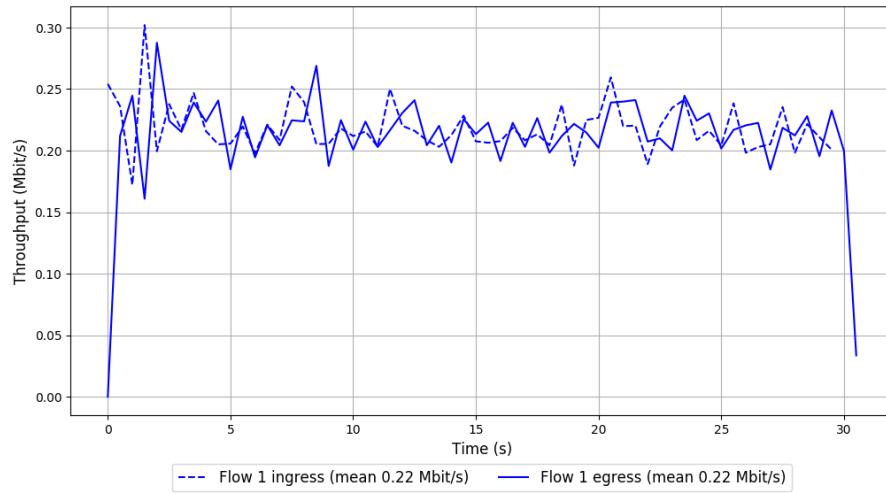


Run 5: Statistics of SCReAM

```
Start at: 2019-01-24 16:00:38
End at: 2019-01-24 16:01:08
Local clock offset: -6.834 ms
Remote clock offset: 4.232 ms

# Below is generated by plot.py at 2019-01-24 16:33:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.208 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 81.208 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

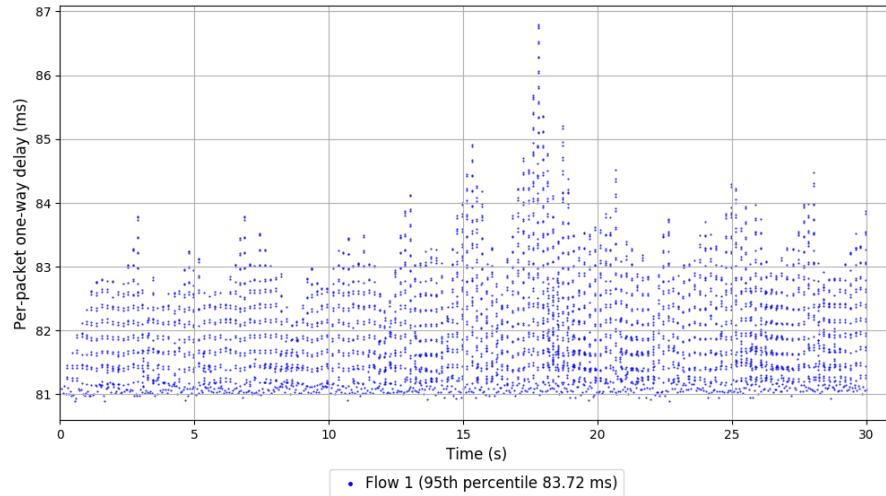
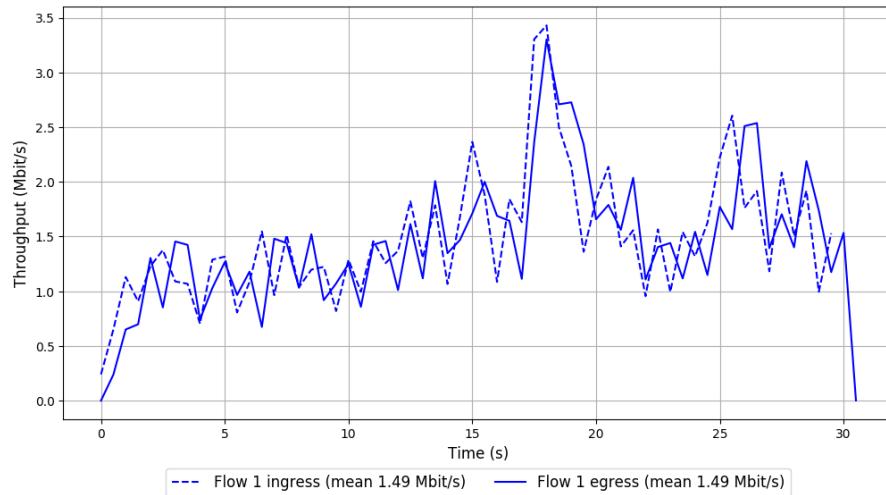


Run 1: Statistics of Sprout

```
Start at: 2019-01-24 14:27:58
End at: 2019-01-24 14:28:28
Local clock offset: -3.942 ms
Remote clock offset: 5.152 ms

# Below is generated by plot.py at 2019-01-24 16:33:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 83.724 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.49 Mbit/s
95th percentile per-packet one-way delay: 83.724 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

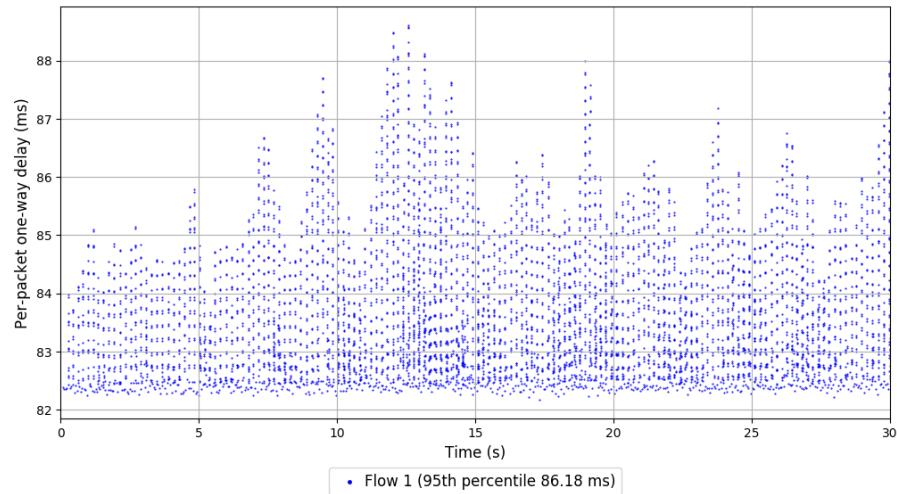
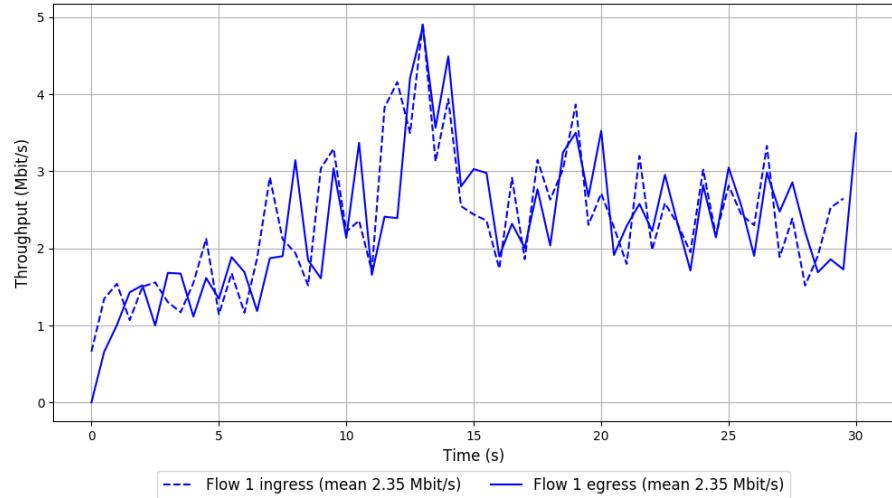


Run 2: Statistics of Sprout

```
Start at: 2019-01-24 14:52:34
End at: 2019-01-24 14:53:04
Local clock offset: -1.471 ms
Remote clock offset: 4.91 ms

# Below is generated by plot.py at 2019-01-24 16:33:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 86.181 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 86.181 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

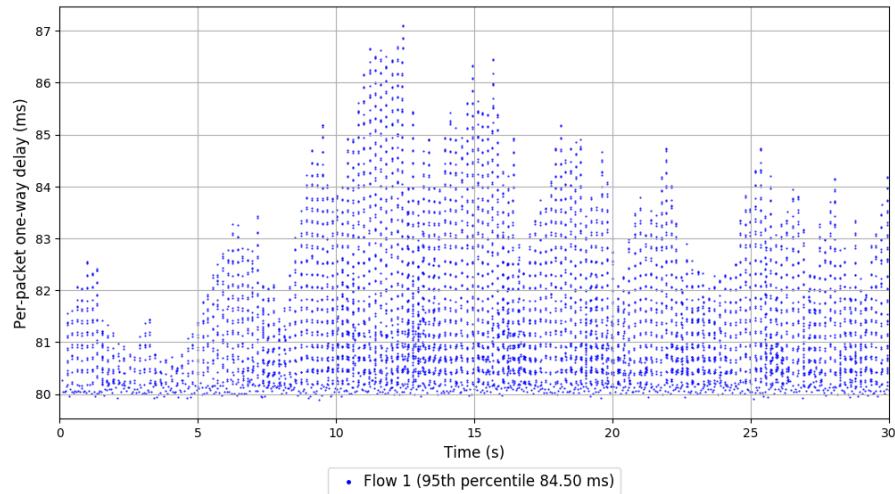
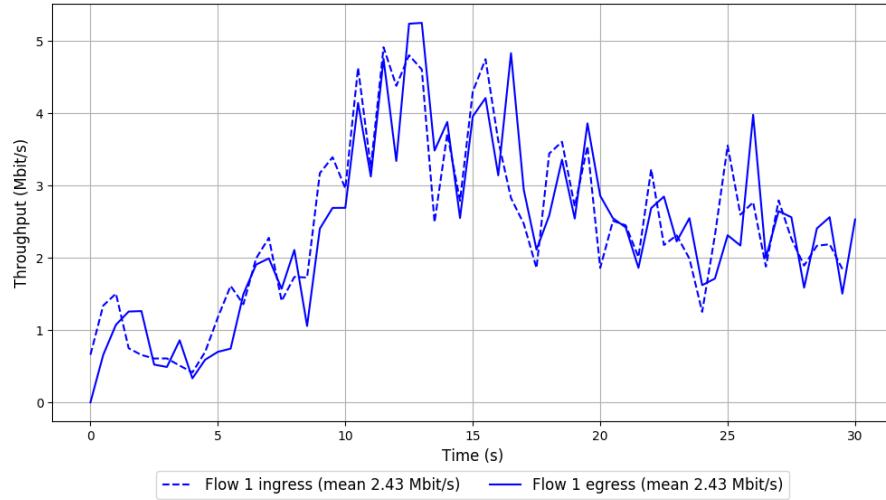


Run 3: Statistics of Sprout

```
Start at: 2019-01-24 15:17:13
End at: 2019-01-24 15:17:43
Local clock offset: -2.052 ms
Remote clock offset: 3.684 ms

# Below is generated by plot.py at 2019-01-24 16:33:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 84.502 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.43 Mbit/s
95th percentile per-packet one-way delay: 84.502 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

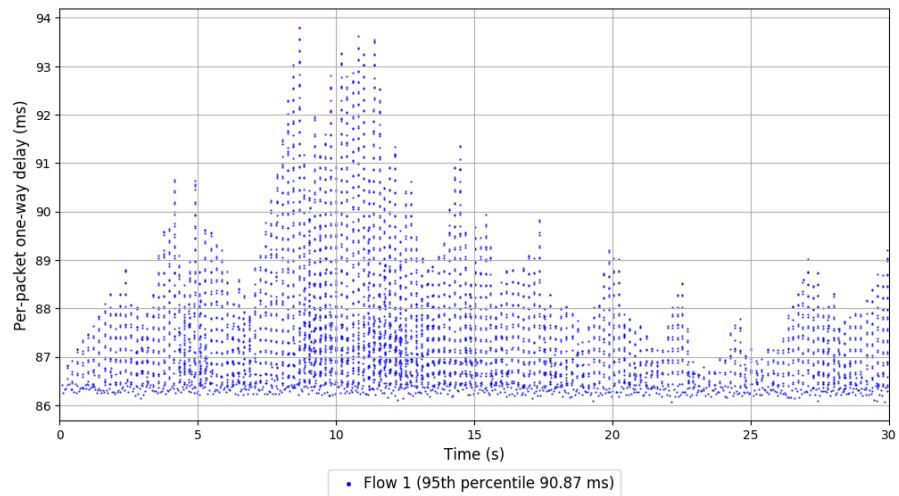
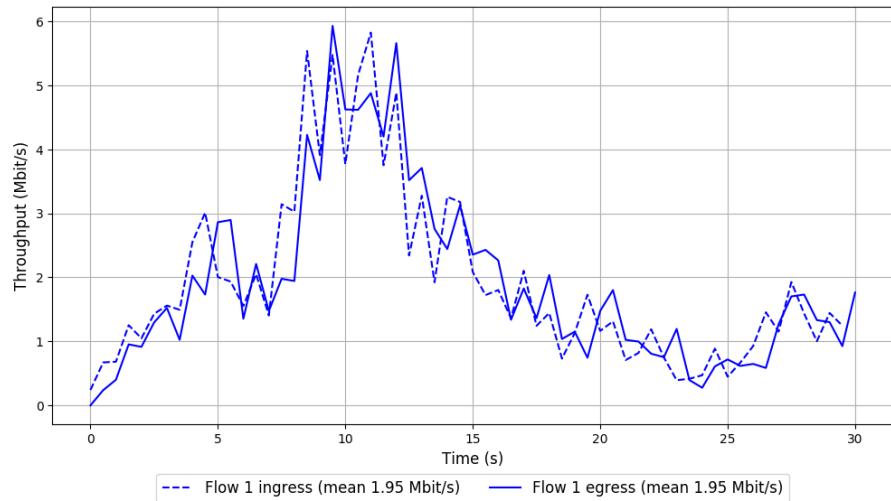


Run 4: Statistics of Sprout

```
Start at: 2019-01-24 15:41:50
End at: 2019-01-24 15:42:20
Local clock offset: -4.659 ms
Remote clock offset: 8.346 ms

# Below is generated by plot.py at 2019-01-24 16:33:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 90.872 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 90.872 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

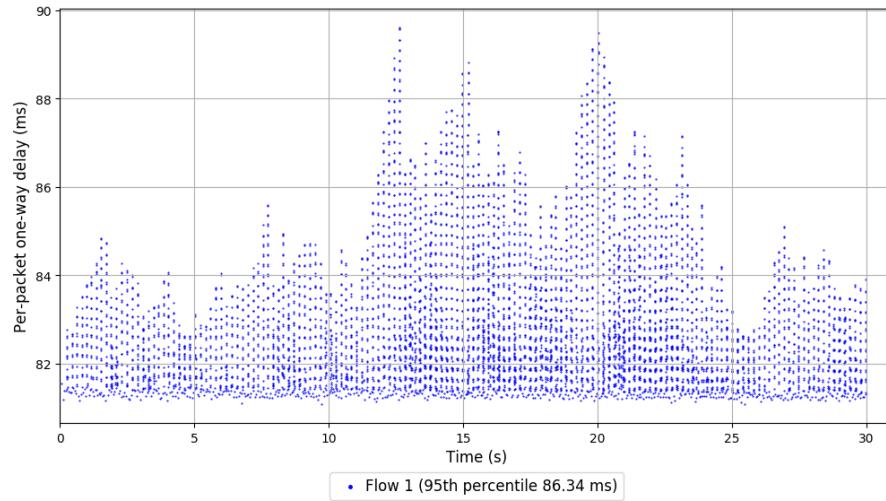
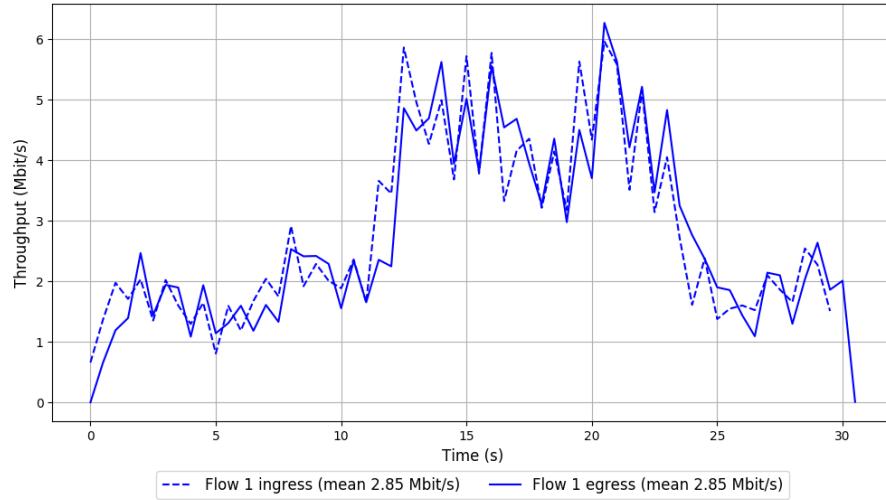


Run 5: Statistics of Sprout

```
Start at: 2019-01-24 16:06:29
End at: 2019-01-24 16:06:59
Local clock offset: -7.139 ms
Remote clock offset: 3.592 ms

# Below is generated by plot.py at 2019-01-24 16:33:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: 86.338 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.85 Mbit/s
95th percentile per-packet one-way delay: 86.338 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

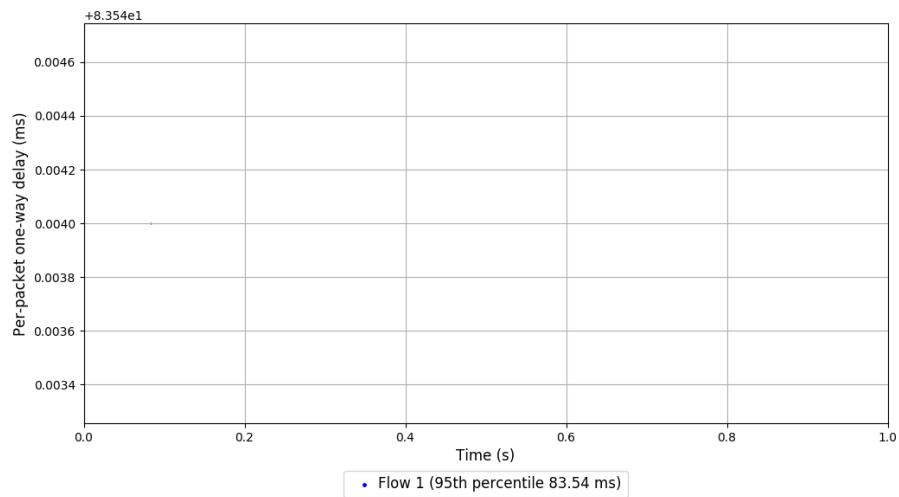
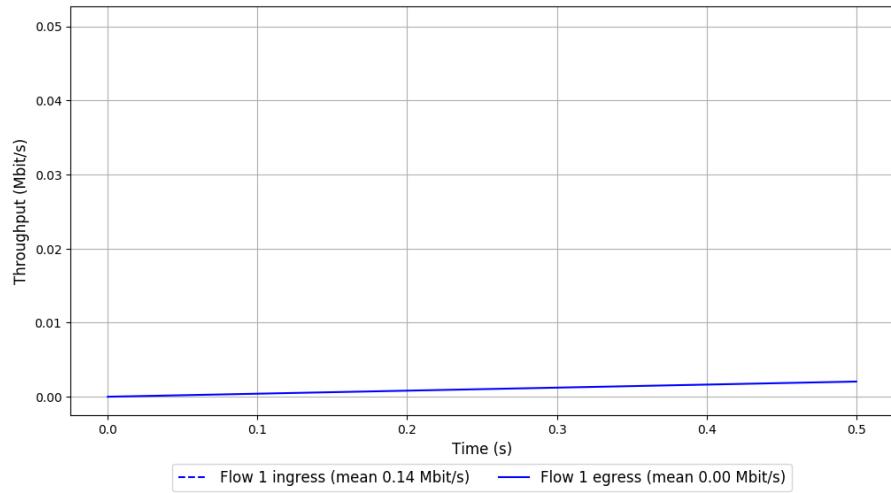
Start at: 2019-01-24 14:38:36

End at: 2019-01-24 14:39:06

Local clock offset: -3.042 ms

Remote clock offset: 5.13 ms

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



Run 2: Statistics of TaoVA-100x

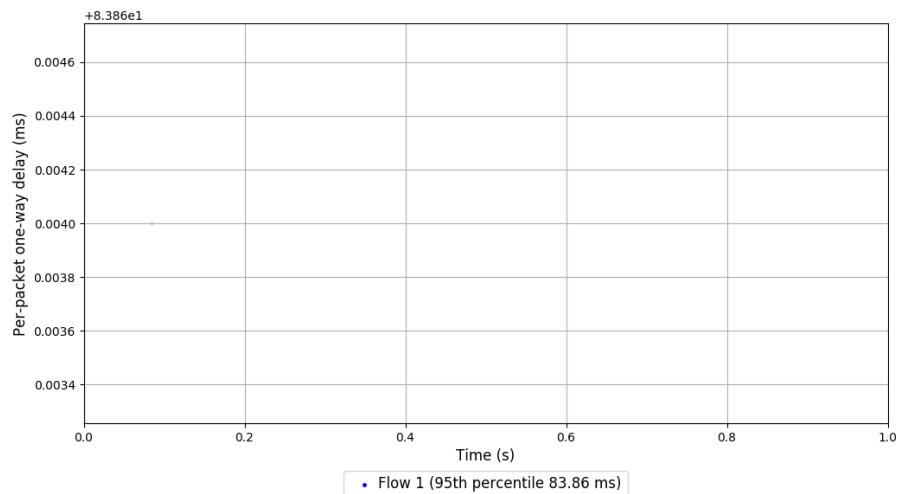
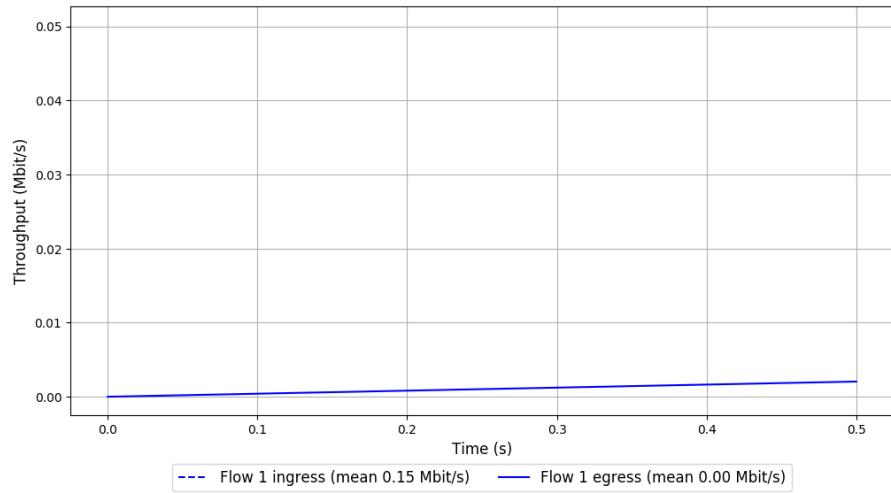
Start at: 2019-01-24 15:03:14

End at: 2019-01-24 15:03:44

Local clock offset: -0.597 ms

Remote clock offset: 8.795 ms

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



Run 3: Statistics of TaoVA-100x

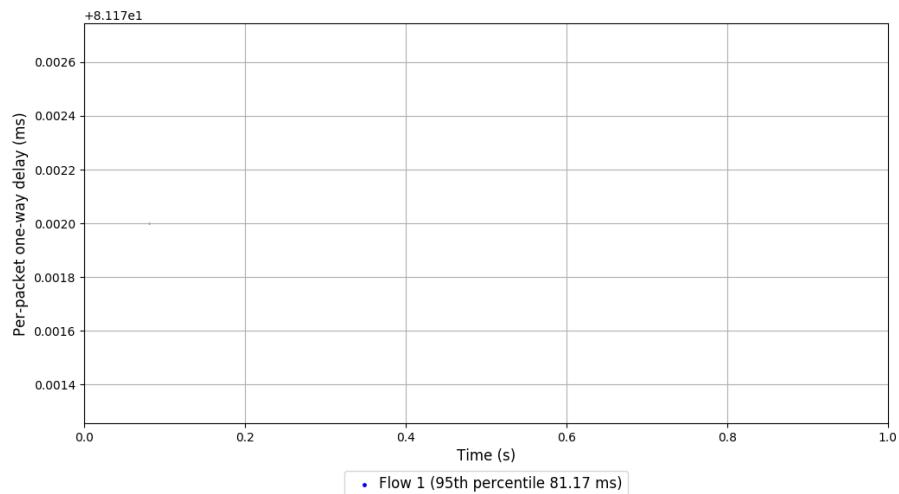
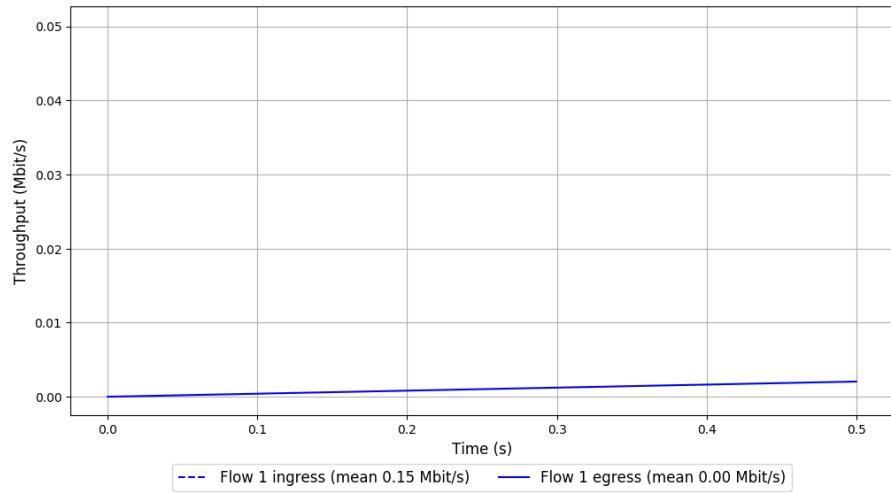
Start at: 2019-01-24 15:27:51

End at: 2019-01-24 15:28:21

Local clock offset: -1.682 ms

Remote clock offset: 5.145 ms

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



Run 4: Statistics of TaoVA-100x

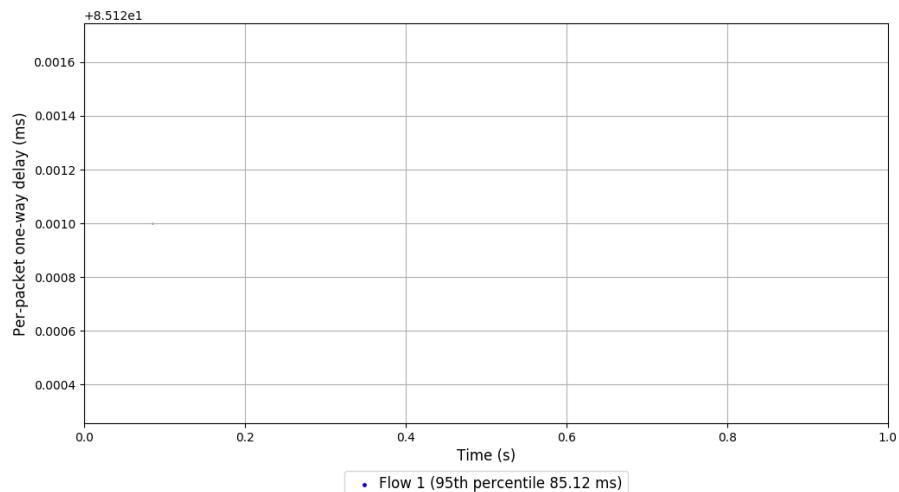
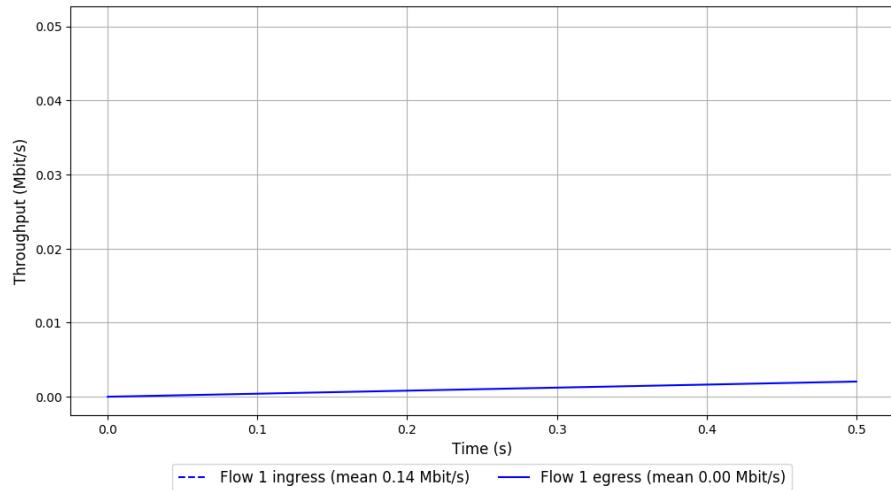
Start at: 2019-01-24 15:52:30

End at: 2019-01-24 15:53:00

Local clock offset: -6.431 ms

Remote clock offset: 6.842 ms

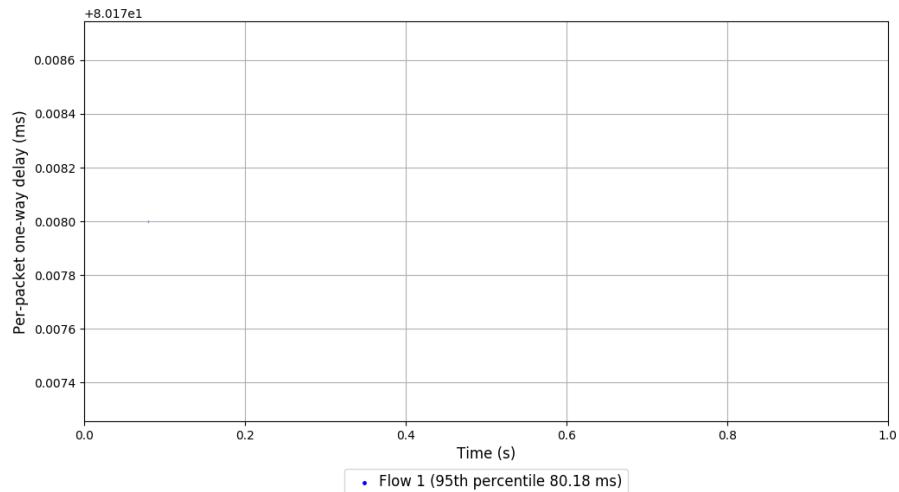
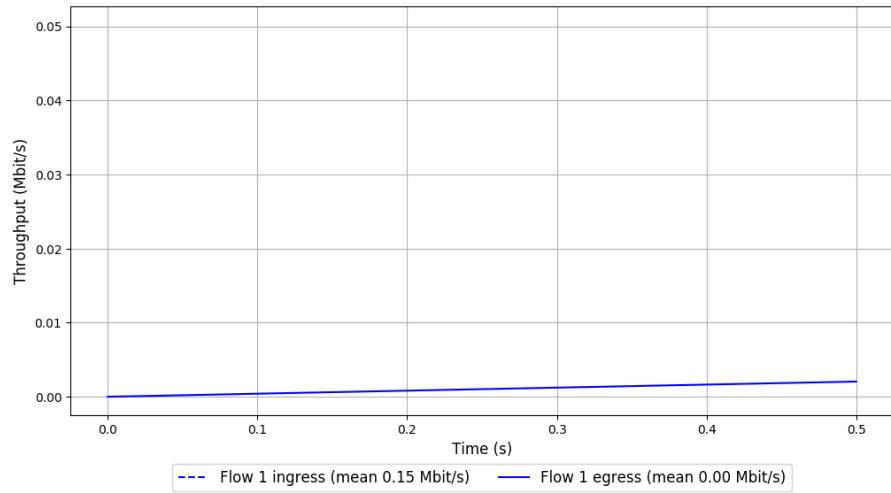
Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: 2019-01-24 16:17:07
End at: 2019-01-24 16:17:37
Local clock offset: -6.824 ms
Remote clock offset: 5.349 ms

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

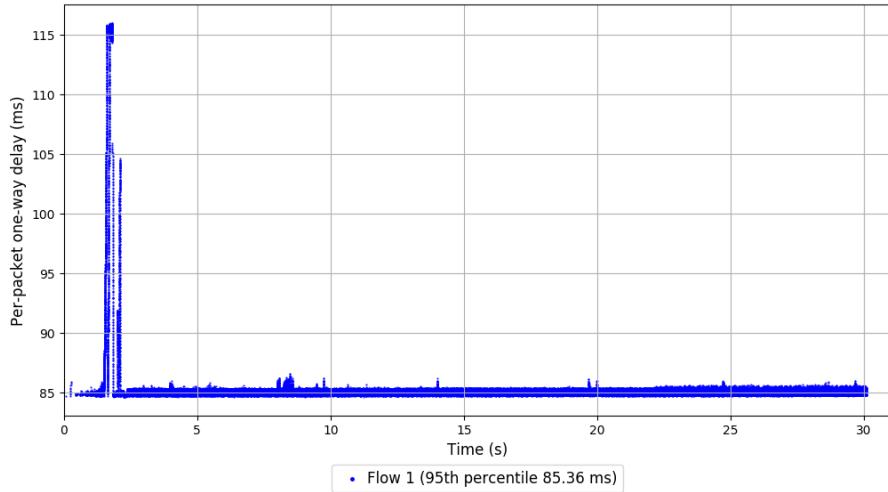
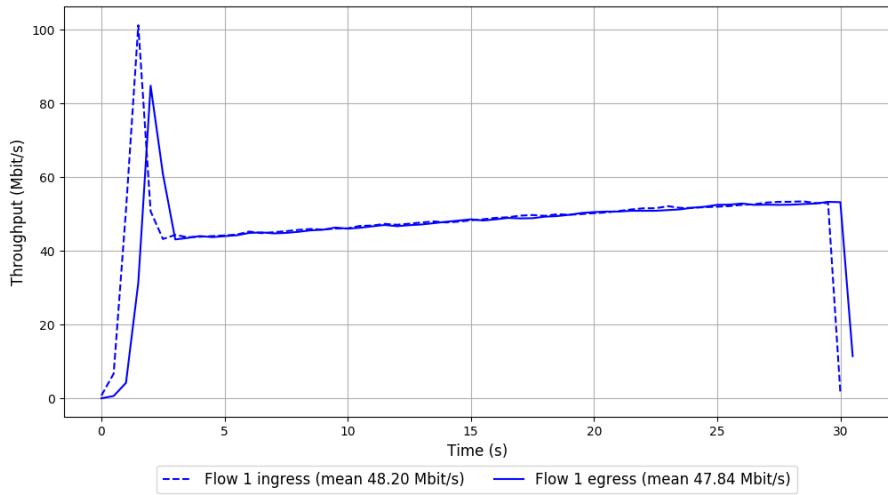


Run 1: Statistics of TCP Vegas

```
Start at: 2019-01-24 14:29:05
End at: 2019-01-24 14:29:35
Local clock offset: -3.802 ms
Remote clock offset: 9.097 ms

# Below is generated by plot.py at 2019-01-24 16:33:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.84 Mbit/s
95th percentile per-packet one-way delay: 85.358 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 47.84 Mbit/s
95th percentile per-packet one-way delay: 85.358 ms
Loss rate: 0.75%
```

Run 1: Report of TCP Vegas — Data Link

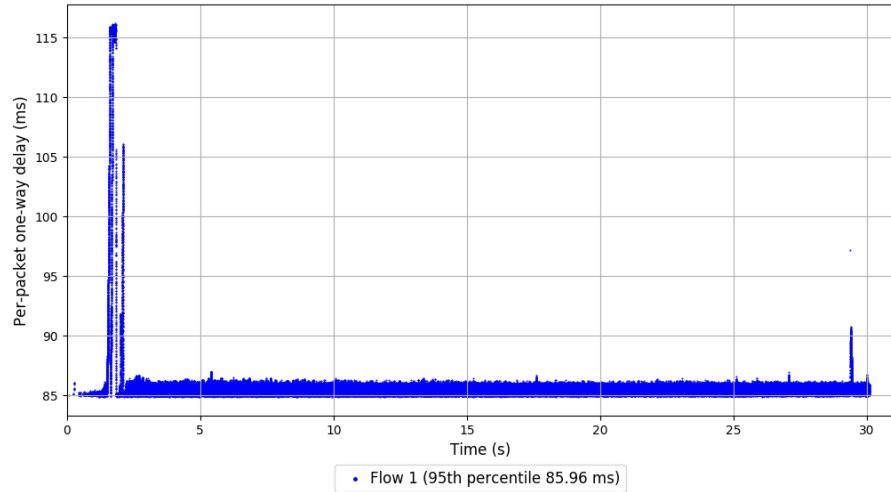
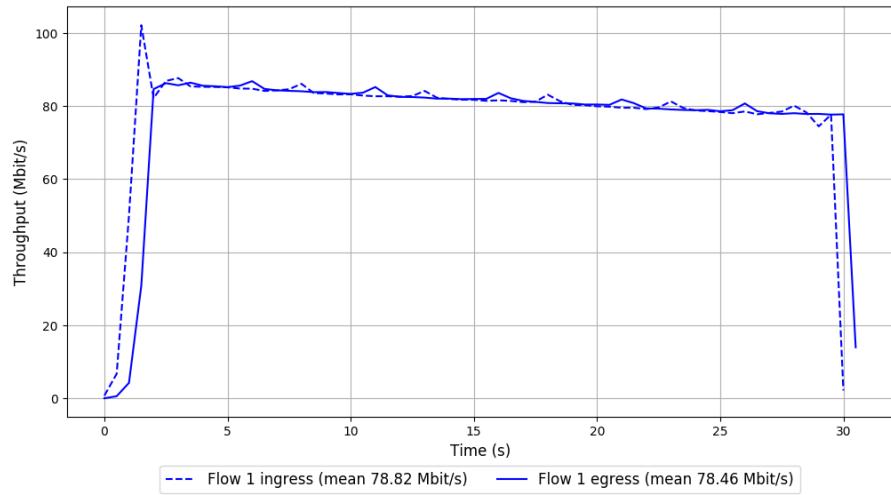


Run 2: Statistics of TCP Vegas

```
Start at: 2019-01-24 14:53:42
End at: 2019-01-24 14:54:12
Local clock offset: -1.371 ms
Remote clock offset: 8.864 ms

# Below is generated by plot.py at 2019-01-24 16:33:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.46 Mbit/s
95th percentile per-packet one-way delay: 85.963 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 78.46 Mbit/s
95th percentile per-packet one-way delay: 85.963 ms
Loss rate: 0.46%
```

Run 2: Report of TCP Vegas — Data Link

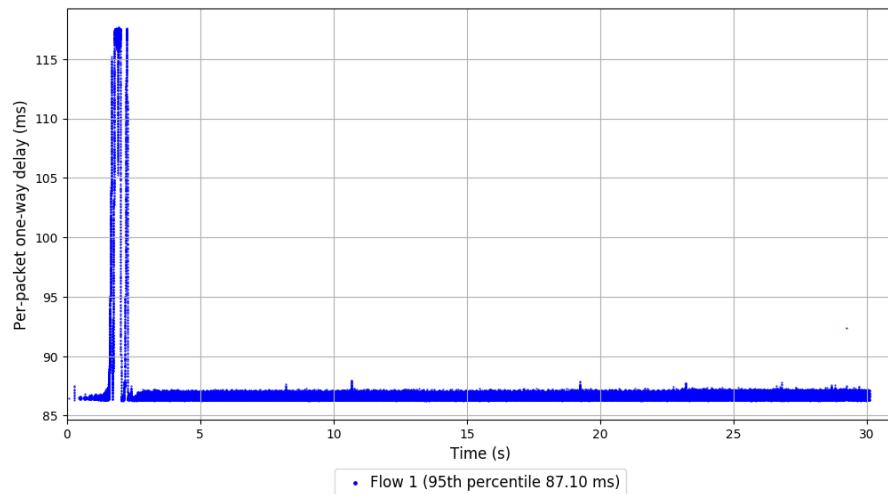
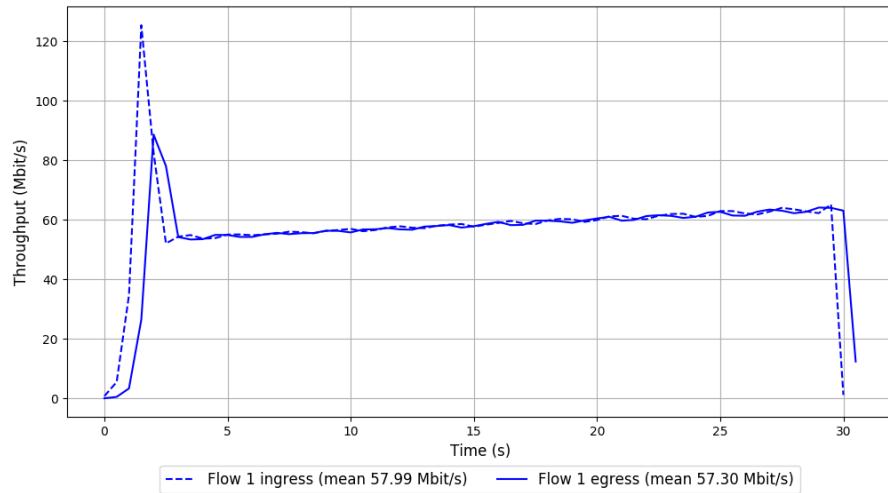


Run 3: Statistics of TCP Vegas

```
Start at: 2019-01-24 15:18:20
End at: 2019-01-24 15:18:50
Local clock offset: -2.029 ms
Remote clock offset: 8.909 ms

# Below is generated by plot.py at 2019-01-24 16:33:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.30 Mbit/s
95th percentile per-packet one-way delay: 87.096 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 57.30 Mbit/s
95th percentile per-packet one-way delay: 87.096 ms
Loss rate: 1.19%
```

Run 3: Report of TCP Vegas — Data Link

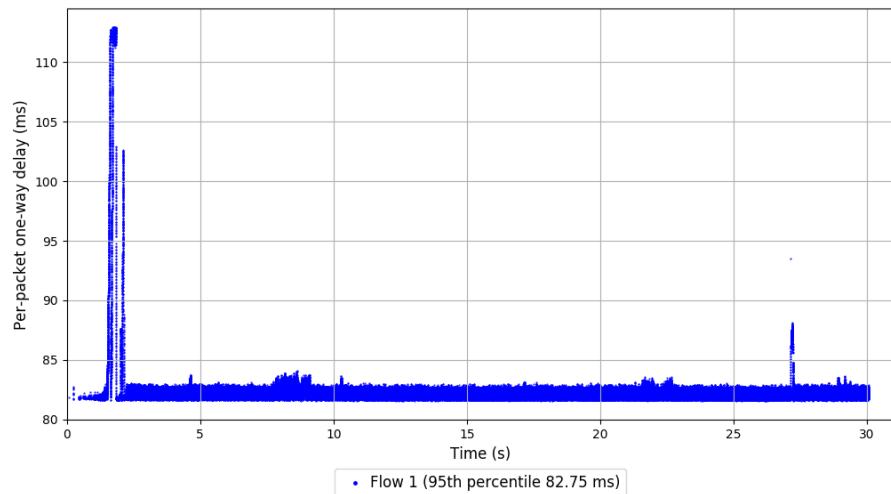
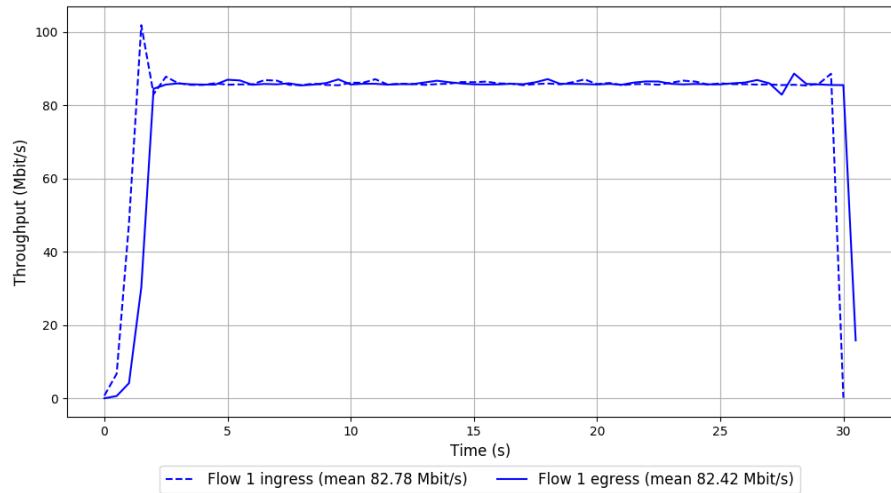


Run 4: Statistics of TCP Vegas

```
Start at: 2019-01-24 15:42:58
End at: 2019-01-24 15:43:28
Local clock offset: -4.875 ms
Remote clock offset: 4.351 ms

# Below is generated by plot.py at 2019-01-24 16:33:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.42 Mbit/s
95th percentile per-packet one-way delay: 82.751 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 82.42 Mbit/s
95th percentile per-packet one-way delay: 82.751 ms
Loss rate: 0.44%
```

Run 4: Report of TCP Vegas — Data Link

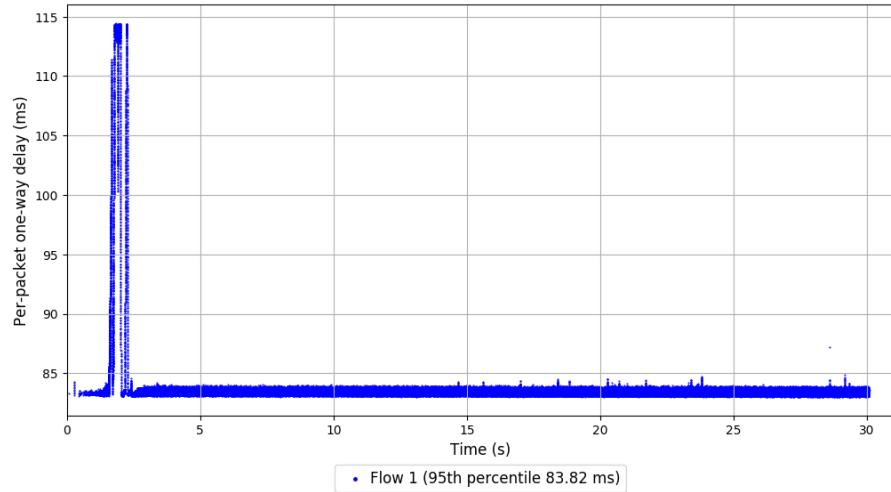
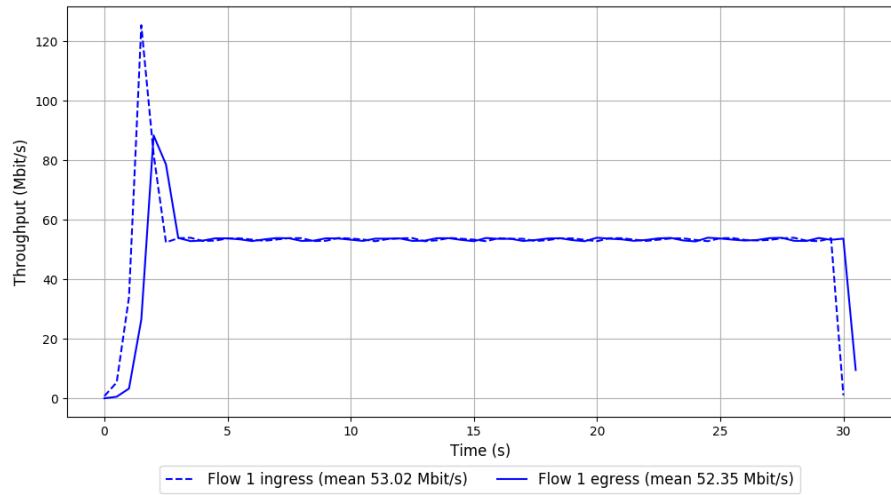


Run 5: Statistics of TCP Vegas

```
Start at: 2019-01-24 16:07:36
End at: 2019-01-24 16:08:06
Local clock offset: -7.164 ms
Remote clock offset: 4.904 ms

# Below is generated by plot.py at 2019-01-24 16:33:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.35 Mbit/s
95th percentile per-packet one-way delay: 83.819 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 52.35 Mbit/s
95th percentile per-packet one-way delay: 83.819 ms
Loss rate: 1.28%
```

Run 5: Report of TCP Vegas — Data Link

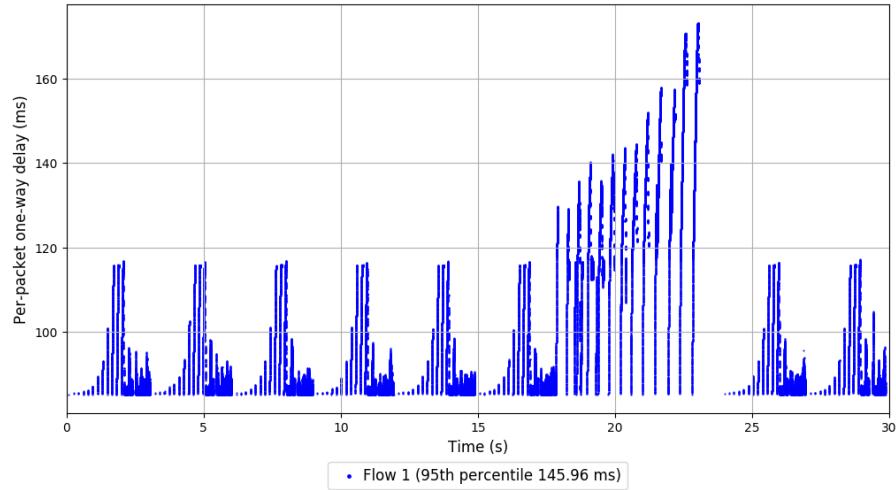
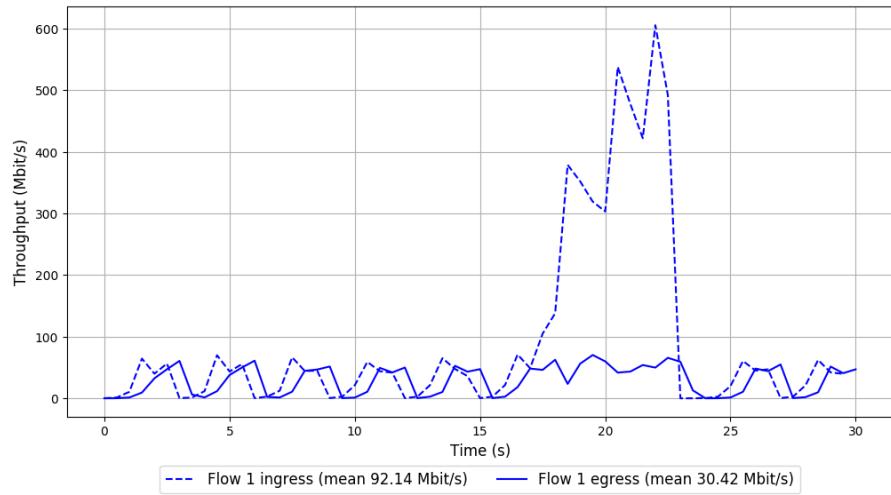


Run 1: Statistics of Verus

```
Start at: 2019-01-24 14:30:15
End at: 2019-01-24 14:30:45
Local clock offset: -3.739 ms
Remote clock offset: 7.712 ms

# Below is generated by plot.py at 2019-01-24 16:33:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.42 Mbit/s
95th percentile per-packet one-way delay: 145.959 ms
Loss rate: 66.99%
-- Flow 1:
Average throughput: 30.42 Mbit/s
95th percentile per-packet one-way delay: 145.959 ms
Loss rate: 66.99%
```

Run 1: Report of Verus — Data Link

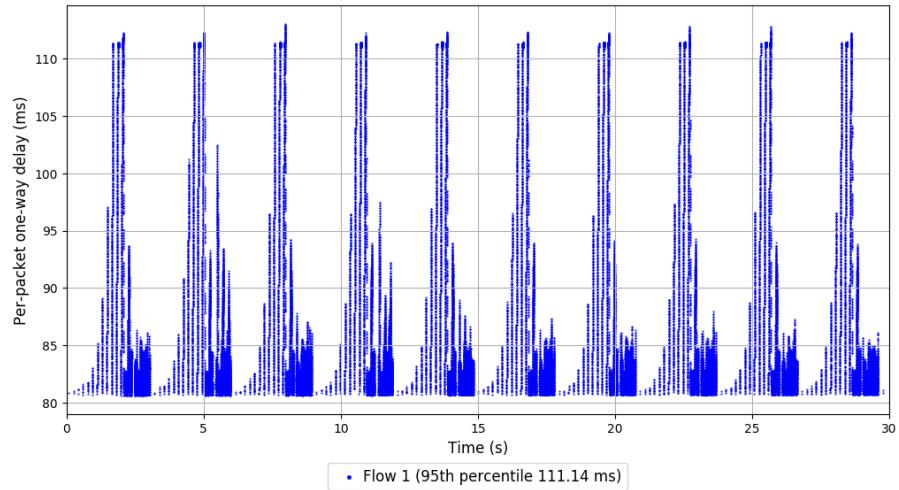
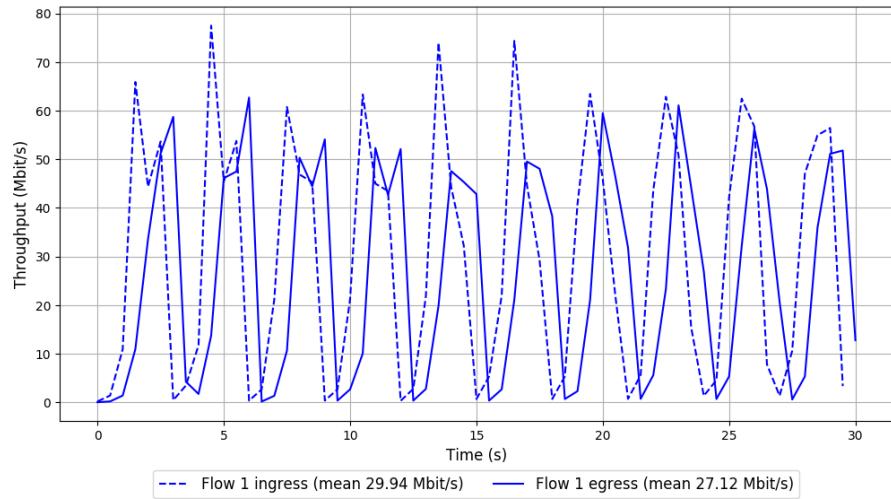


Run 2: Statistics of Verus

```
Start at: 2019-01-24 14:54:54
End at: 2019-01-24 14:55:24
Local clock offset: -0.48 ms
Remote clock offset: 3.936 ms

# Below is generated by plot.py at 2019-01-24 16:33:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.12 Mbit/s
95th percentile per-packet one-way delay: 111.136 ms
Loss rate: 9.42%
-- Flow 1:
Average throughput: 27.12 Mbit/s
95th percentile per-packet one-way delay: 111.136 ms
Loss rate: 9.42%
```

Run 2: Report of Verus — Data Link

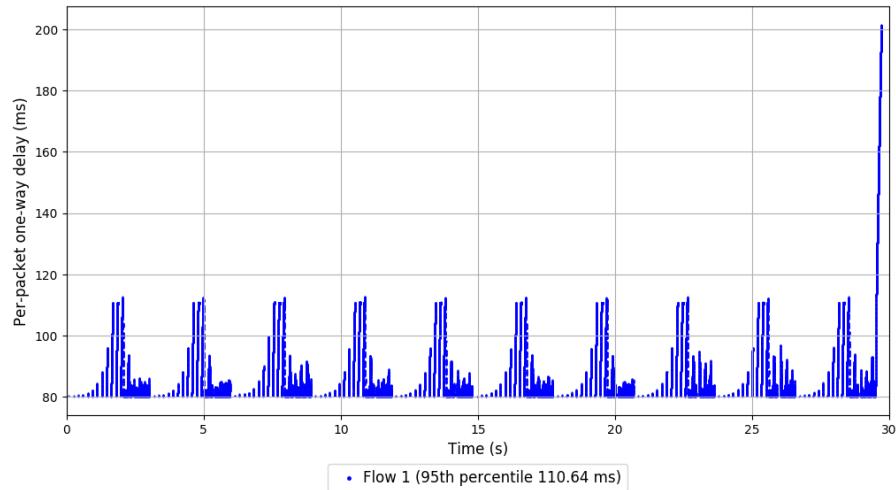
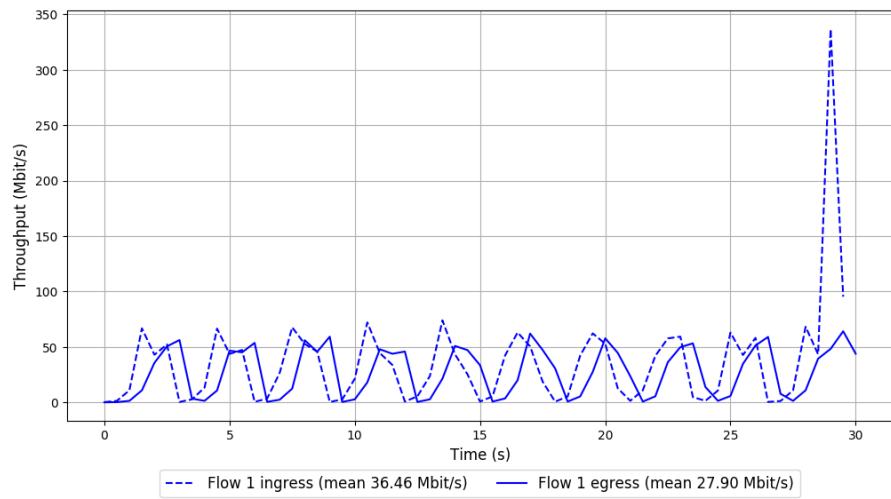


Run 3: Statistics of Verus

```
Start at: 2019-01-24 15:19:31
End at: 2019-01-24 15:20:01
Local clock offset: -1.247 ms
Remote clock offset: 5.002 ms

# Below is generated by plot.py at 2019-01-24 16:33:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.90 Mbit/s
95th percentile per-packet one-way delay: 110.637 ms
Loss rate: 23.18%
-- Flow 1:
Average throughput: 27.90 Mbit/s
95th percentile per-packet one-way delay: 110.637 ms
Loss rate: 23.18%
```

Run 3: Report of Verus — Data Link

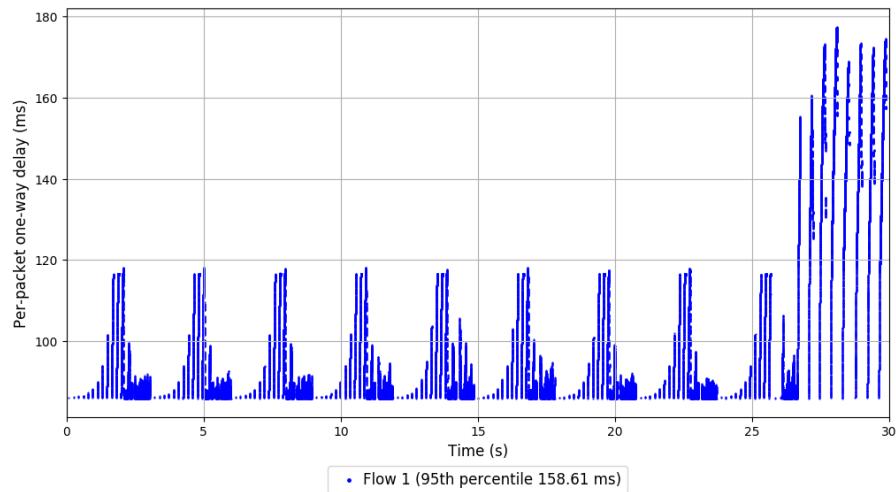
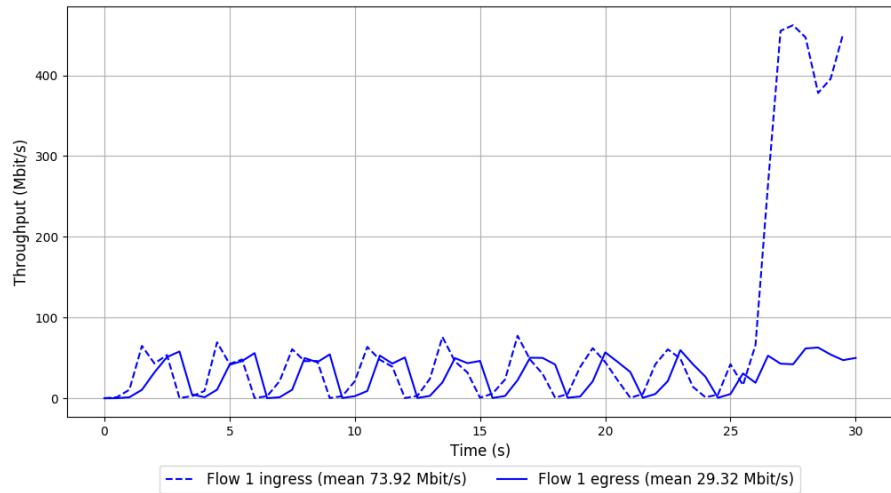


Run 4: Statistics of Verus

```
Start at: 2019-01-24 15:44:09
End at: 2019-01-24 15:44:39
Local clock offset: -5.009 ms
Remote clock offset: 9.296 ms

# Below is generated by plot.py at 2019-01-24 16:33:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.32 Mbit/s
95th percentile per-packet one-way delay: 158.607 ms
Loss rate: 60.24%
-- Flow 1:
Average throughput: 29.32 Mbit/s
95th percentile per-packet one-way delay: 158.607 ms
Loss rate: 60.24%
```

Run 4: Report of Verus — Data Link

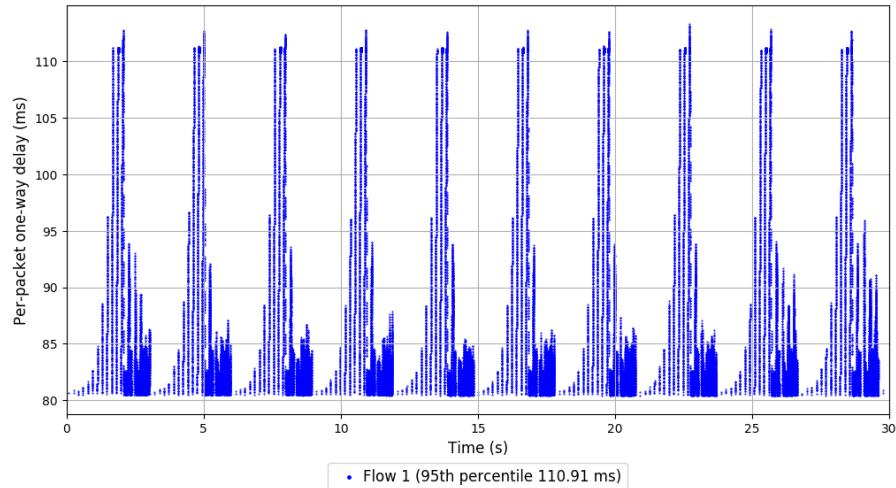
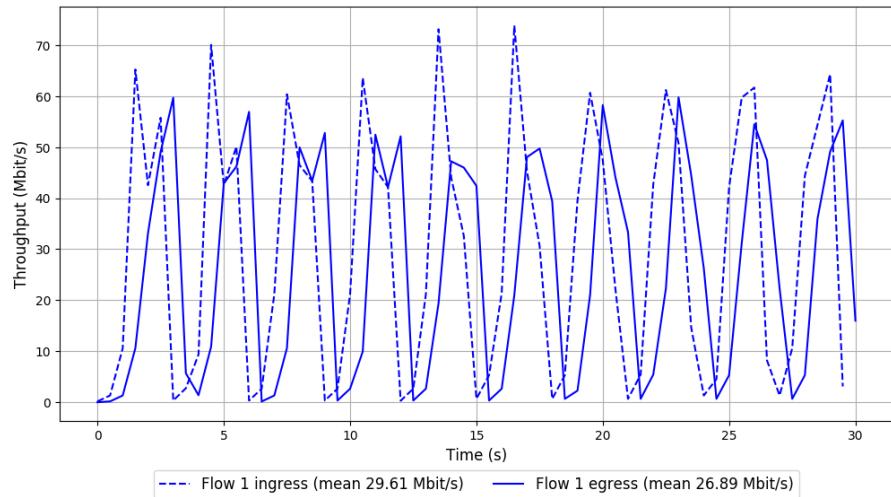


Run 5: Statistics of Verus

```
Start at: 2019-01-24 16:08:47
End at: 2019-01-24 16:09:17
Local clock offset: -6.475 ms
Remote clock offset: 3.78 ms

# Below is generated by plot.py at 2019-01-24 16:33:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 110.907 ms
Loss rate: 9.19%
-- Flow 1:
Average throughput: 26.89 Mbit/s
95th percentile per-packet one-way delay: 110.907 ms
Loss rate: 9.19%
```

Run 5: Report of Verus — Data Link

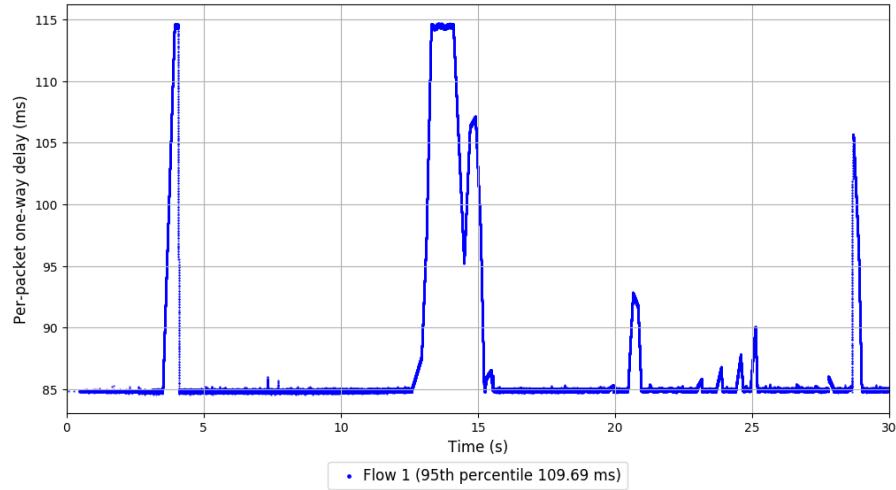
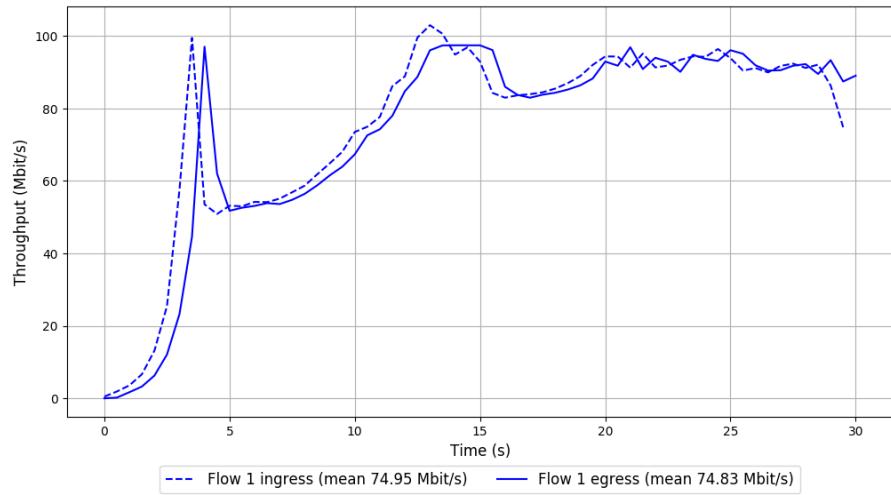


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-01-24 14:37:24
End at: 2019-01-24 14:37:54
Local clock offset: -3.134 ms
Remote clock offset: 8.772 ms

# Below is generated by plot.py at 2019-01-24 16:34:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.83 Mbit/s
95th percentile per-packet one-way delay: 109.687 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 74.83 Mbit/s
95th percentile per-packet one-way delay: 109.687 ms
Loss rate: 0.16%
```

Run 1: Report of PCC-Vivace — Data Link

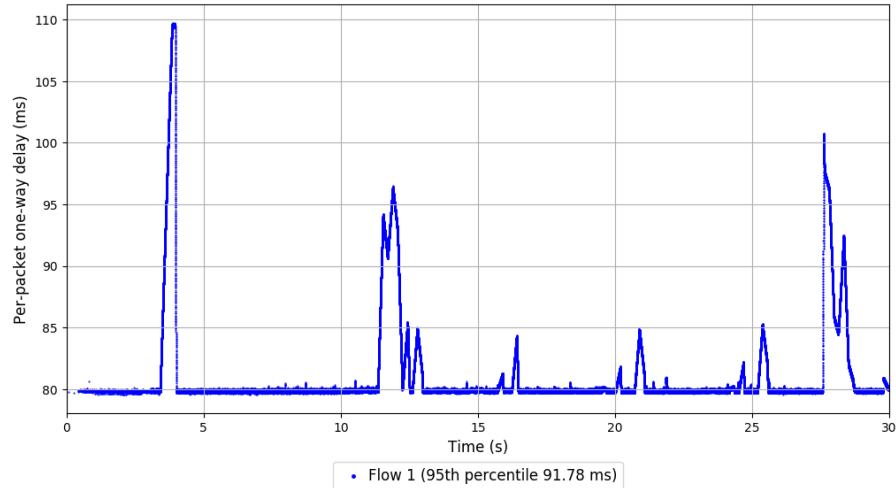
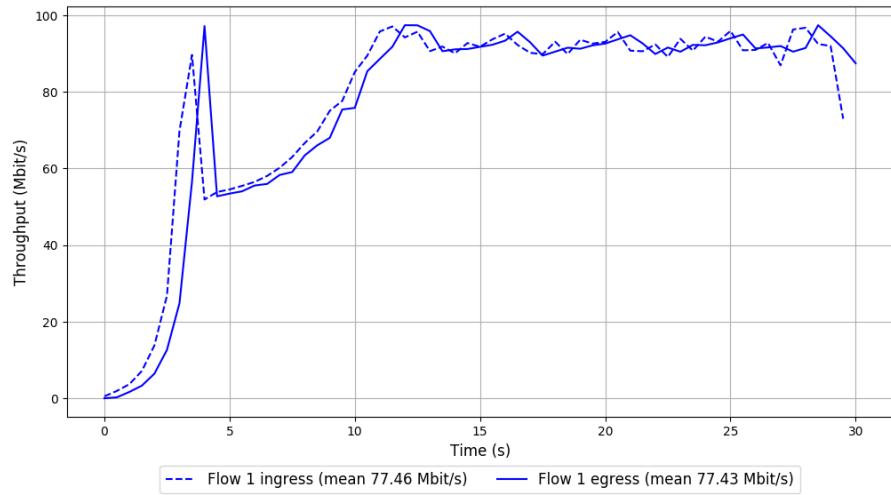


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-01-24 15:02:02
End at: 2019-01-24 15:02:32
Local clock offset: -1.126 ms
Remote clock offset: 3.968 ms

# Below is generated by plot.py at 2019-01-24 16:34:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.43 Mbit/s
95th percentile per-packet one-way delay: 91.777 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 77.43 Mbit/s
95th percentile per-packet one-way delay: 91.777 ms
Loss rate: 0.04%
```

Run 2: Report of PCC-Vivace — Data Link

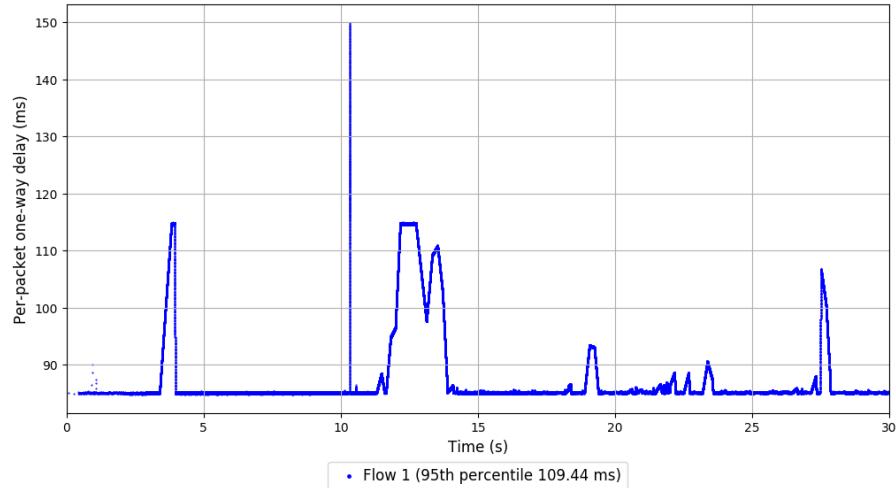
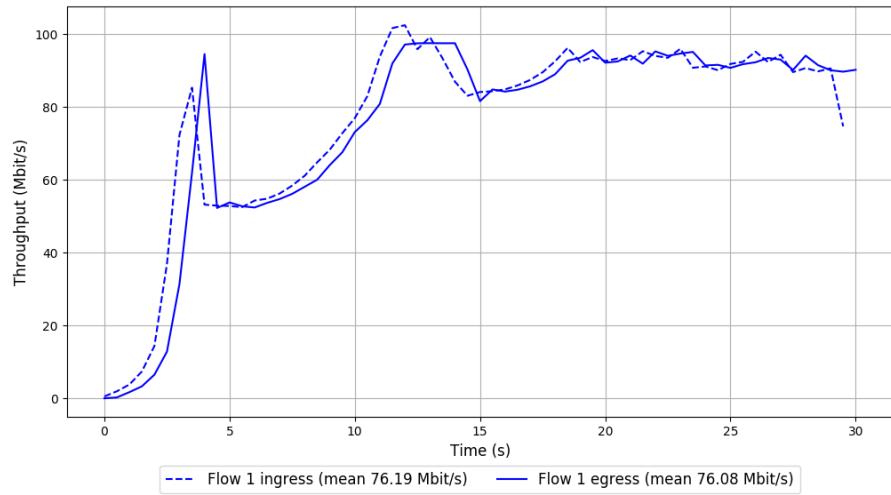


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-01-24 15:26:39
End at: 2019-01-24 15:27:09
Local clock offset: -0.986 ms
Remote clock offset: 10.044 ms

# Below is generated by plot.py at 2019-01-24 16:34:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.08 Mbit/s
95th percentile per-packet one-way delay: 109.438 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 76.08 Mbit/s
95th percentile per-packet one-way delay: 109.438 ms
Loss rate: 0.15%
```

Run 3: Report of PCC-Vivace — Data Link

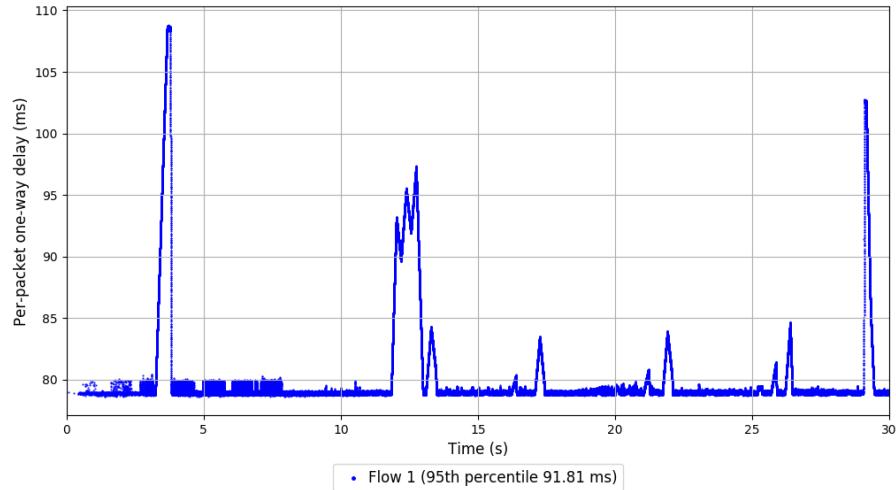
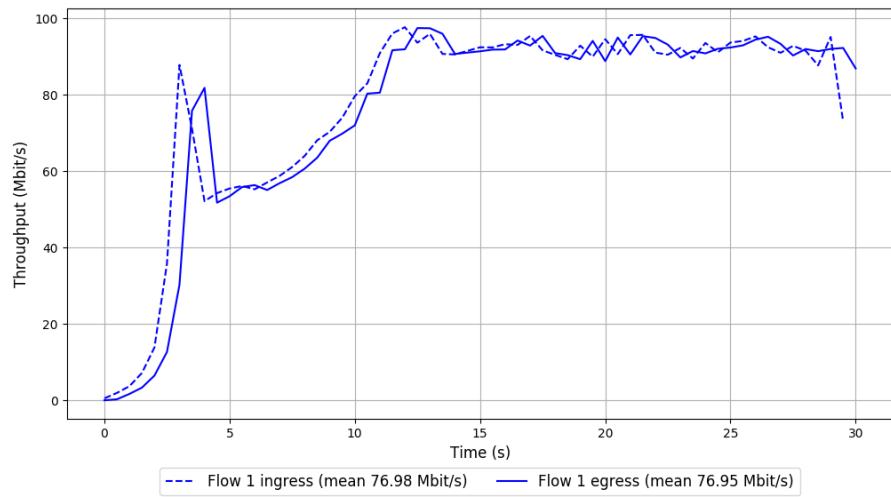


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-01-24 15:51:17
End at: 2019-01-24 15:51:47
Local clock offset: -5.617 ms
Remote clock offset: 3.103 ms

# Below is generated by plot.py at 2019-01-24 16:34:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.95 Mbit/s
95th percentile per-packet one-way delay: 91.809 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 76.95 Mbit/s
95th percentile per-packet one-way delay: 91.809 ms
Loss rate: 0.04%
```

Run 4: Report of PCC-Vivace — Data Link

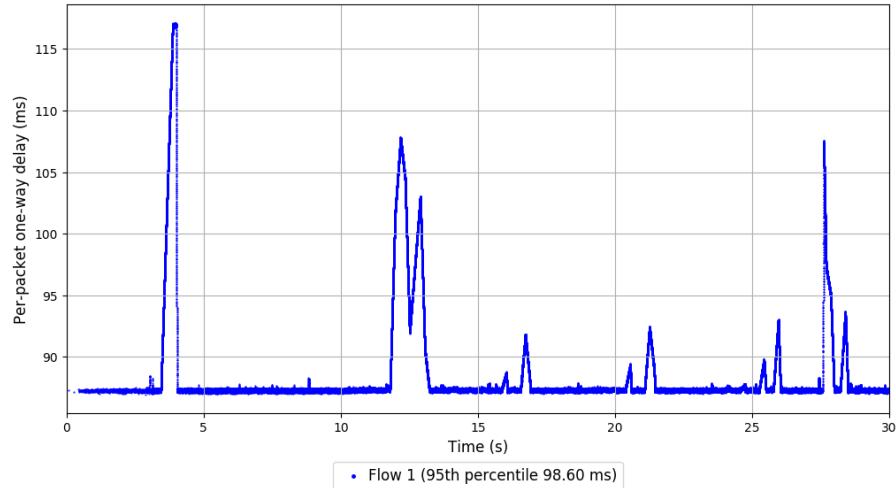
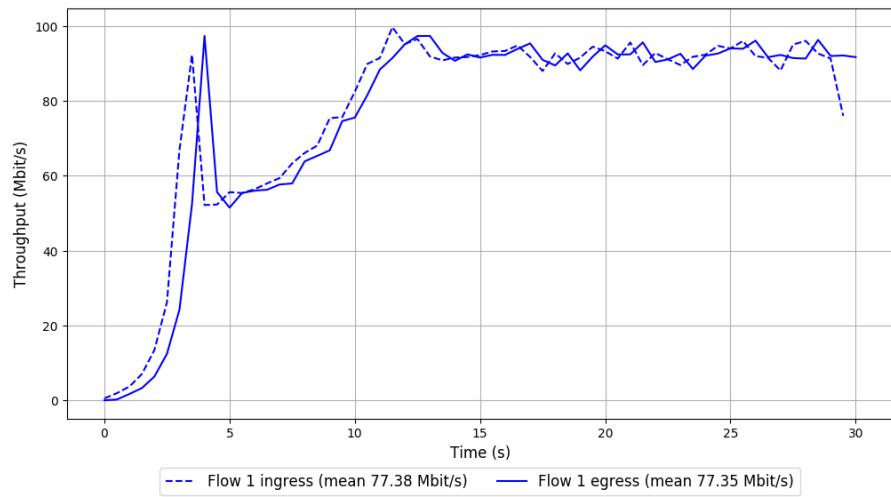


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-01-24 16:15:54
End at: 2019-01-24 16:16:24
Local clock offset: -6.714 ms
Remote clock offset: 10.432 ms

# Below is generated by plot.py at 2019-01-24 16:34:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.35 Mbit/s
95th percentile per-packet one-way delay: 98.604 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 77.35 Mbit/s
95th percentile per-packet one-way delay: 98.604 ms
Loss rate: 0.04%
```

Run 5: Report of PCC-Vivace — Data Link

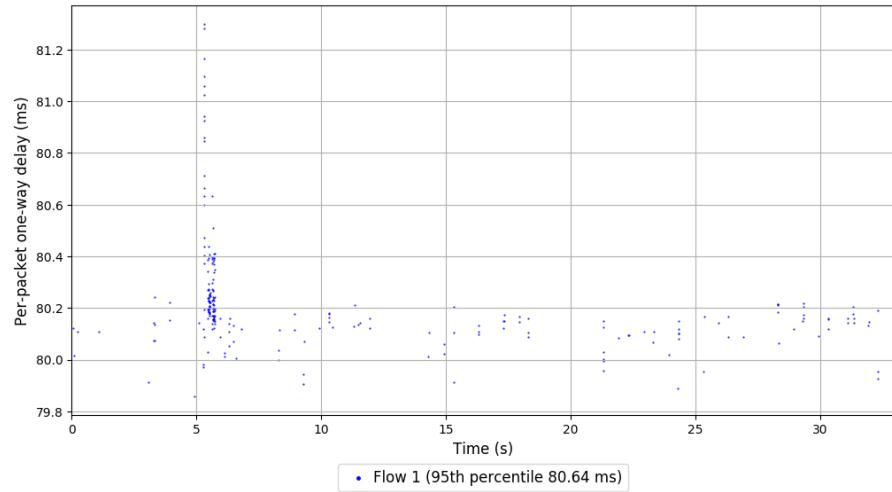
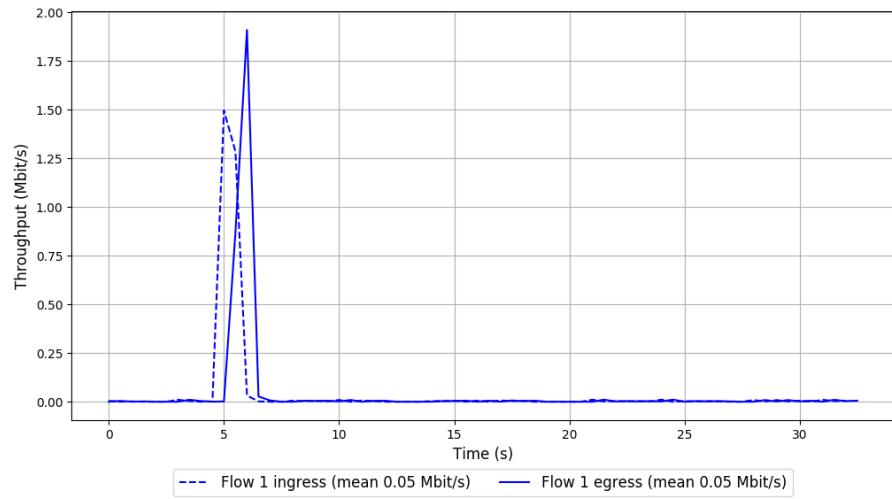


```
Run 1: Statistics of WebRTC media

Start at: 2019-01-24 14:39:43
End at: 2019-01-24 14:40:13
Local clock offset: -2.898 ms
Remote clock offset: 3.727 ms

# Below is generated by plot.py at 2019-01-24 16:34:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 80.635 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 80.635 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

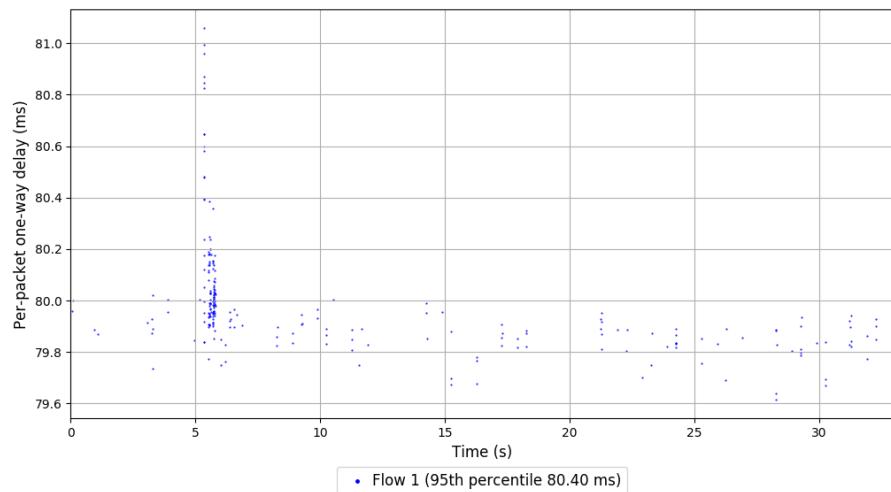
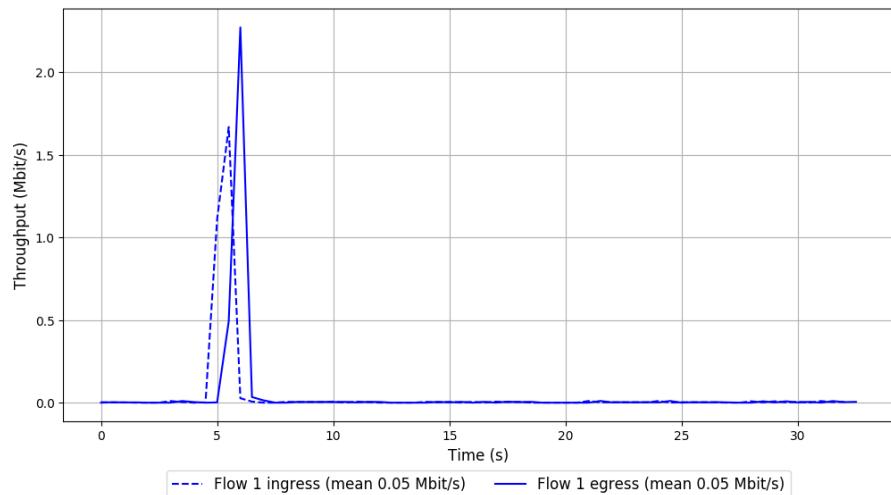


Run 2: Statistics of WebRTC media

```
Start at: 2019-01-24 15:04:21
End at: 2019-01-24 15:04:51
Local clock offset: -0.747 ms
Remote clock offset: 4.94 ms

# Below is generated by plot.py at 2019-01-24 16:34:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 80.396 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 80.396 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

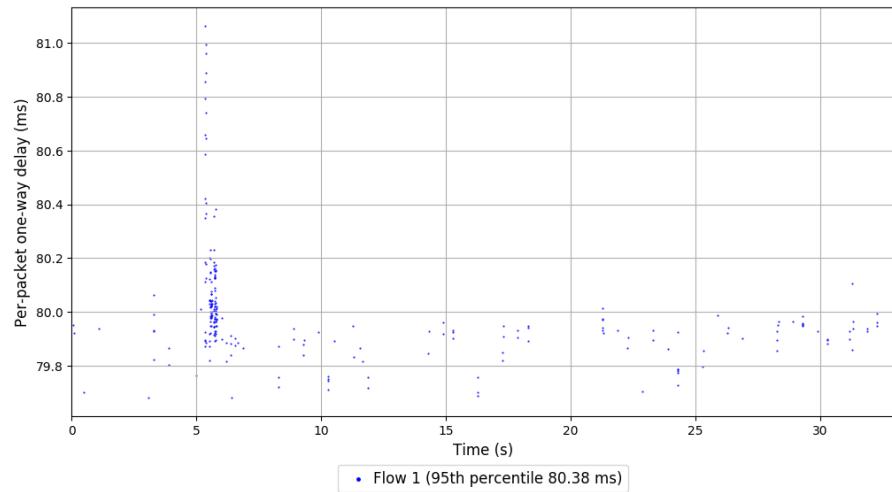
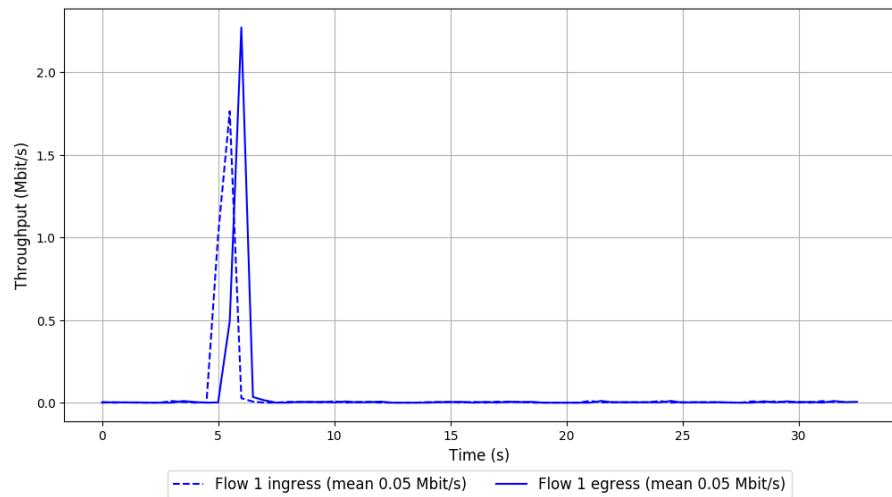


Run 3: Statistics of WebRTC media

```
Start at: 2019-01-24 15:28:59
End at: 2019-01-24 15:29:29
Local clock offset: -1.69 ms
Remote clock offset: 3.981 ms

# Below is generated by plot.py at 2019-01-24 16:34:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 80.383 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 80.383 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

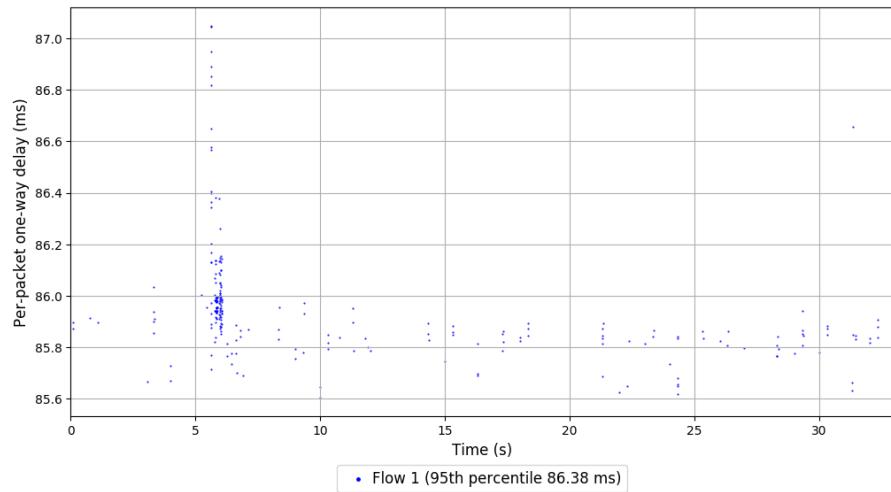
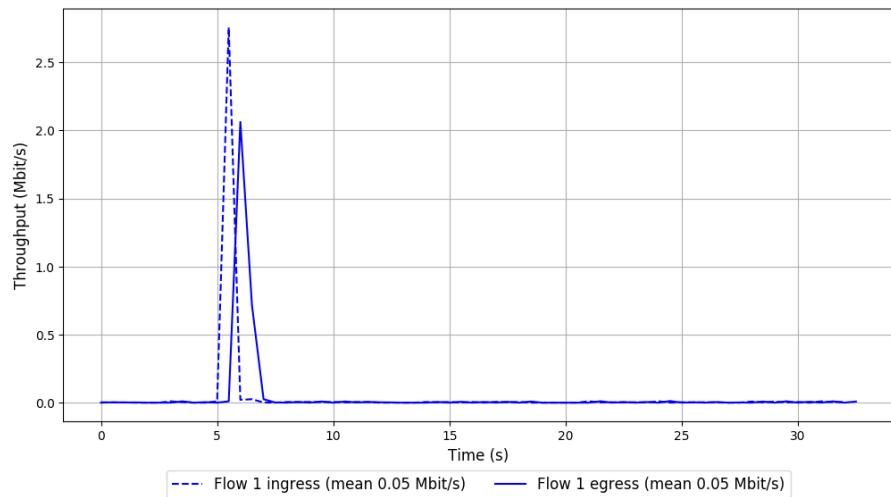


Run 4: Statistics of WebRTC media

```
Start at: 2019-01-24 15:53:37
End at: 2019-01-24 15:54:07
Local clock offset: -6.502 ms
Remote clock offset: 9.078 ms

# Below is generated by plot.py at 2019-01-24 16:34:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.382 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 86.382 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



```
Run 5: Statistics of WebRTC media

Start at: 2019-01-24 16:18:14
End at: 2019-01-24 16:18:44
Local clock offset: -7.539 ms
Remote clock offset: 4.462 ms

# Below is generated by plot.py at 2019-01-24 16:34:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 80.440 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 80.440 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

