

Pantheon Report

Generated at 2019-10-03 09:32:01 (UTC).
Data path: Colombia on p4p1 (*remote*) → AWS Brazil 2 on ens5 (*local*).
Repeated the test of 24 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:

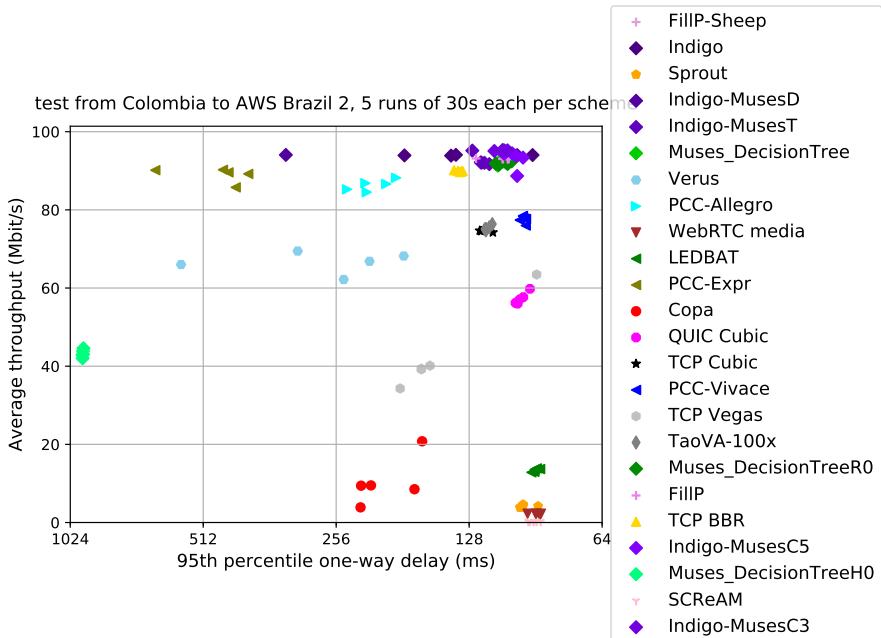
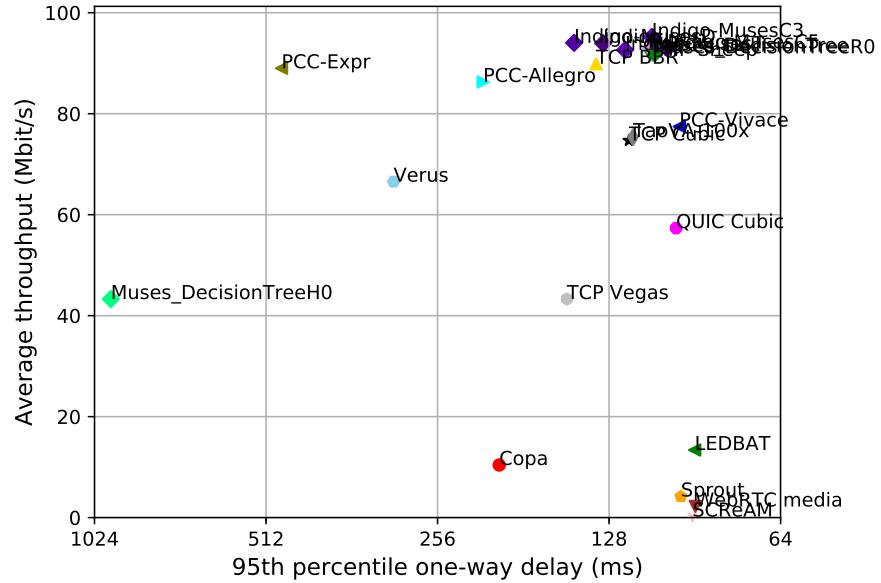
```
Linux 4.15.0-1050-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ de42328552b3776a75a932a94dfaf722537b0ec
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 387225f7b5f61ddbe92d708a8869ffbb84eb3200
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
```

third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

test from Colombia to AWS Brazil 2, 5 runs of 30s each per scheme
(mean of all runs by scheme)



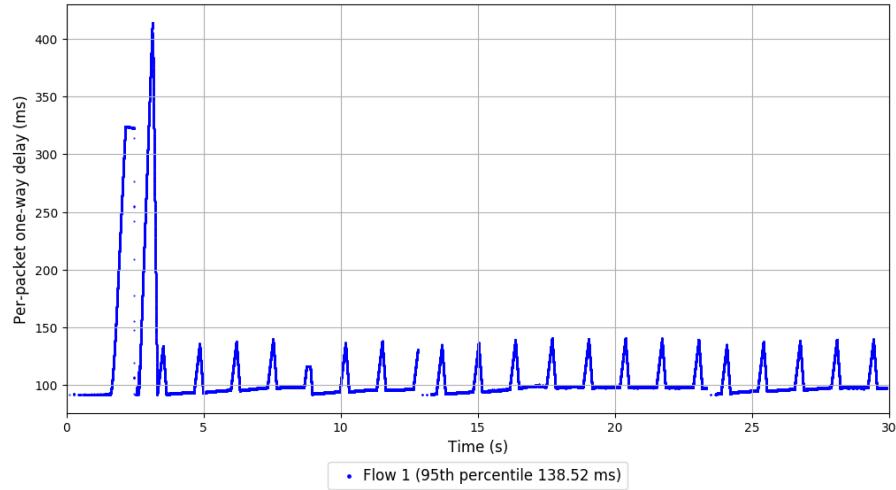
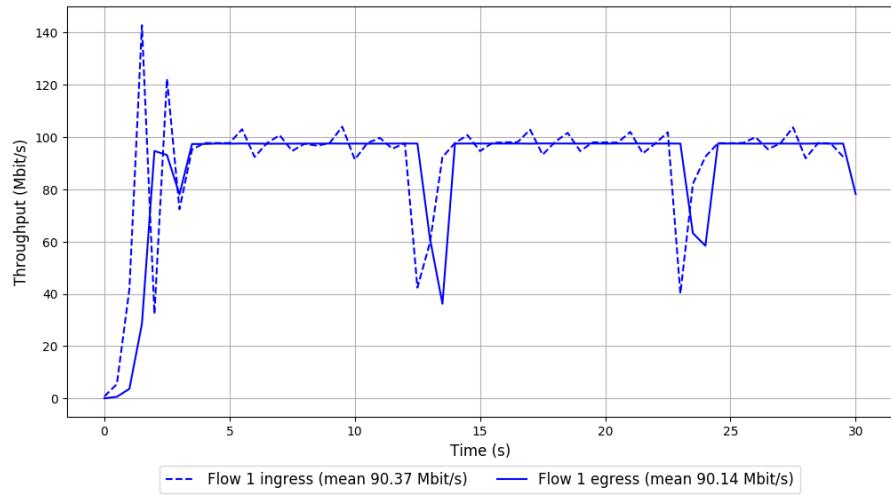
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	89.90	134.91	0.79
Copa	5	10.42	199.51	0.43
TCP Cubic	5	74.70	118.11	0.61
FillP	5	93.06	109.42	0.62
FillP-Sheep	5	91.46	107.68	0.61
Indigo	5	93.96	131.08	1.31
Indigo-MusesC3	5	95.20	107.72	5.47
Indigo-MusesC5	5	92.95	101.13	3.47
Indigo-MusesD	5	94.03	147.43	0.92
Indigo-MusesT	5	92.62	119.96	7.43
LEDBAT	5	13.38	90.57	1.09
Muses_DecisionTree	5	92.30	107.12	2.67
Muses_DecisionTreeH0	5	43.29	958.60	3.38
Muses_DecisionTreeR0	5	91.97	106.44	2.60
PCC-Allegro	5	86.29	212.91	0.67
PCC-Expr	5	88.99	481.05	3.11
QUIC Cubic	5	57.35	97.61	0.83
SCReAM	5	0.22	91.39	0.54
Sprout	5	4.18	95.74	0.65
TaoVA-100x	5	75.37	116.18	0.62
TCP Vegas	5	43.29	151.77	0.64
Verus	5	66.54	305.79	1.33
PCC-Vivace	5	77.47	96.37	0.65
WebRTC media	5	2.20	90.33	0.40

Run 1: Statistics of TCP BBR

```
Start at: 2019-10-03 07:07:53
End at: 2019-10-03 07:08:23
Local clock offset: -5.803 ms
Remote clock offset: -267.243 ms

# Below is generated by plot.py at 2019-10-03 09:20:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.14 Mbit/s
95th percentile per-packet one-way delay: 138.518 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 90.14 Mbit/s
95th percentile per-packet one-way delay: 138.518 ms
Loss rate: 0.81%
```

Run 1: Report of TCP BBR — Data Link

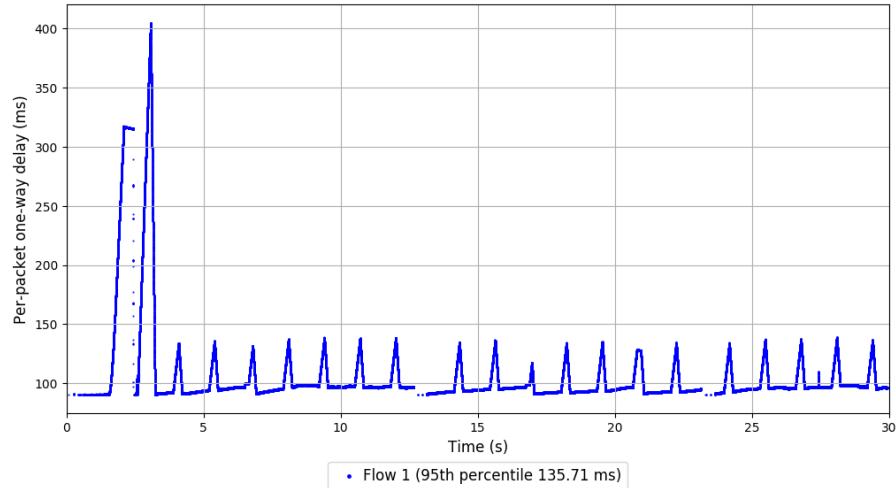
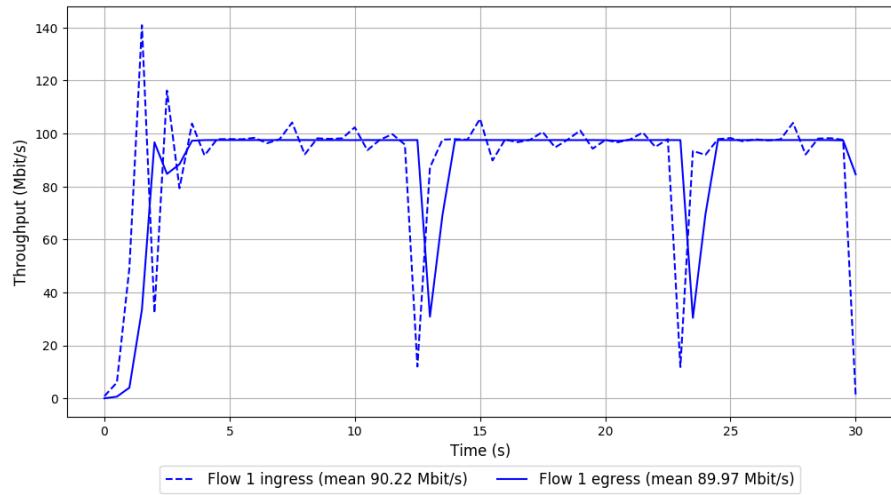


Run 2: Statistics of TCP BBR

```
Start at: 2019-10-03 07:36:14
End at: 2019-10-03 07:36:45
Local clock offset: -6.308 ms
Remote clock offset: -288.616 ms

# Below is generated by plot.py at 2019-10-03 09:20:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.97 Mbit/s
95th percentile per-packet one-way delay: 135.705 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 89.97 Mbit/s
95th percentile per-packet one-way delay: 135.705 ms
Loss rate: 0.81%
```

Run 2: Report of TCP BBR — Data Link

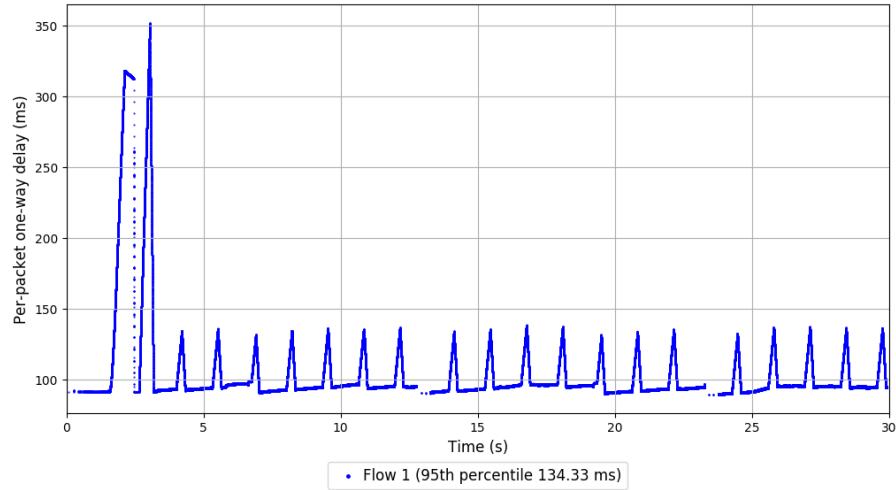
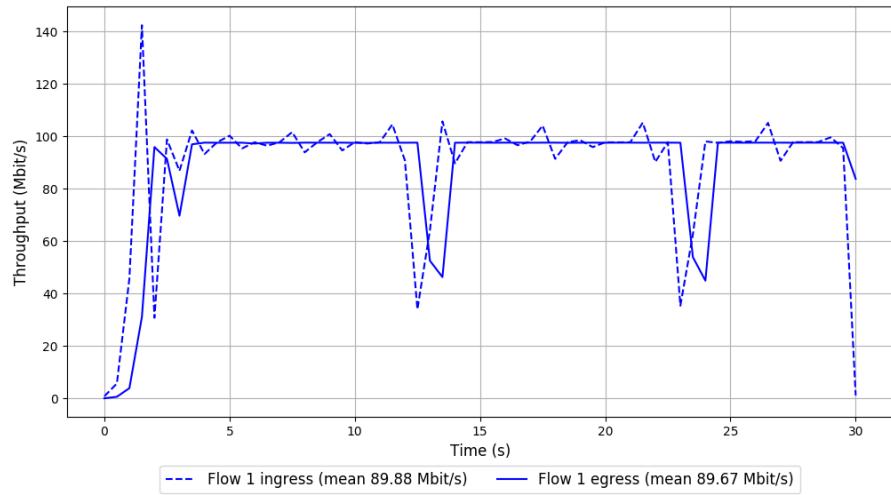


Run 3: Statistics of TCP BBR

```
Start at: 2019-10-03 08:04:37
End at: 2019-10-03 08:05:07
Local clock offset: -6.601 ms
Remote clock offset: -24.323 ms

# Below is generated by plot.py at 2019-10-03 09:20:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.67 Mbit/s
95th percentile per-packet one-way delay: 134.330 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 89.67 Mbit/s
95th percentile per-packet one-way delay: 134.330 ms
Loss rate: 0.79%
```

Run 3: Report of TCP BBR — Data Link

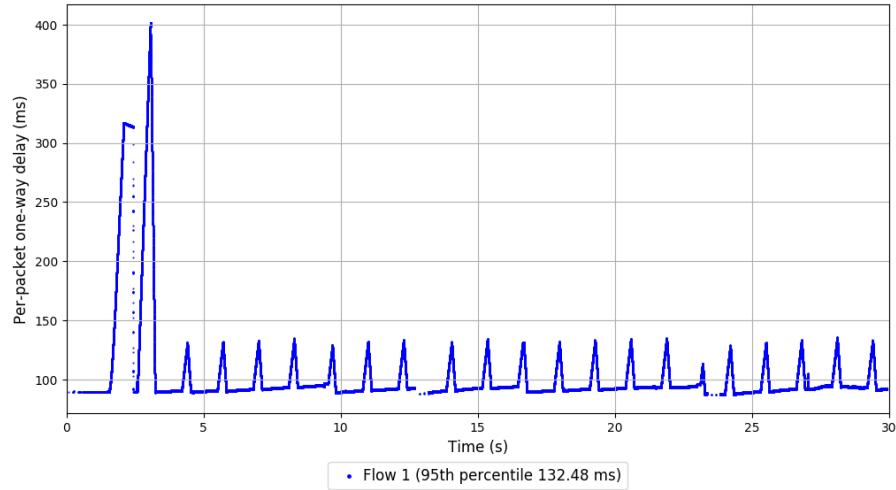
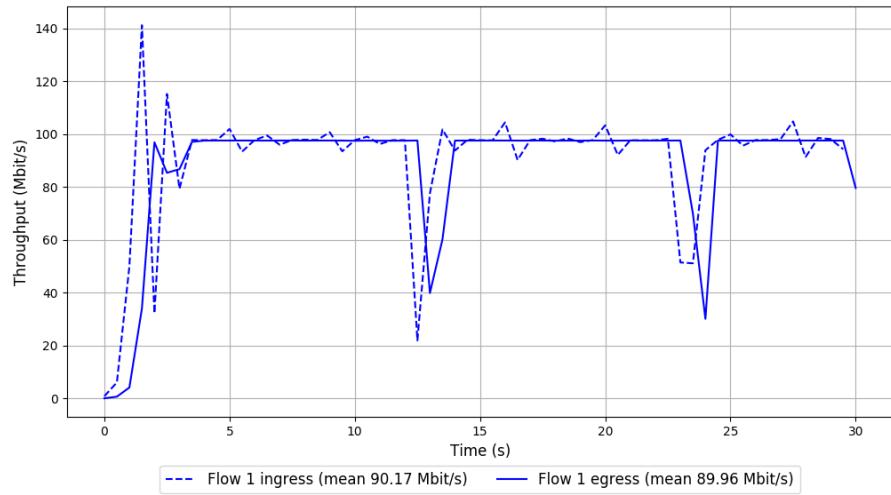


Run 4: Statistics of TCP BBR

```
Start at: 2019-10-03 08:33:03
End at: 2019-10-03 08:33:33
Local clock offset: -6.681 ms
Remote clock offset: -189.508 ms

# Below is generated by plot.py at 2019-10-03 09:20:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.96 Mbit/s
95th percentile per-packet one-way delay: 132.483 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 89.96 Mbit/s
95th percentile per-packet one-way delay: 132.483 ms
Loss rate: 0.77%
```

Run 4: Report of TCP BBR — Data Link

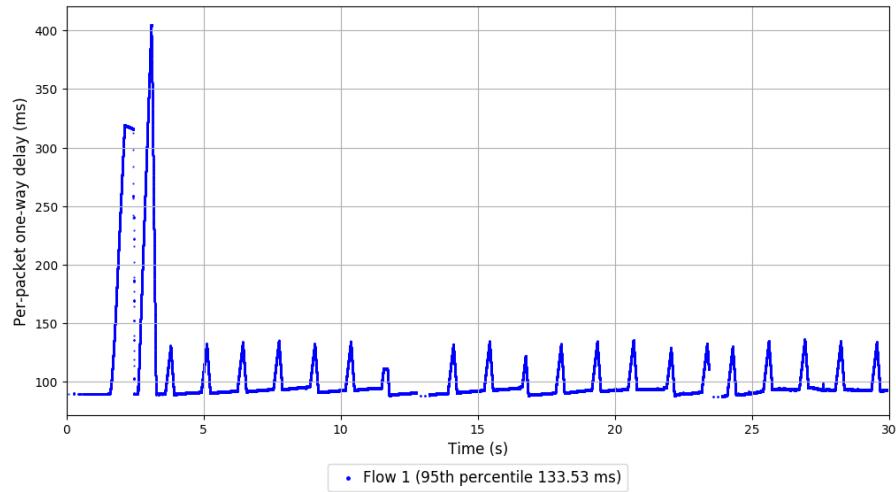
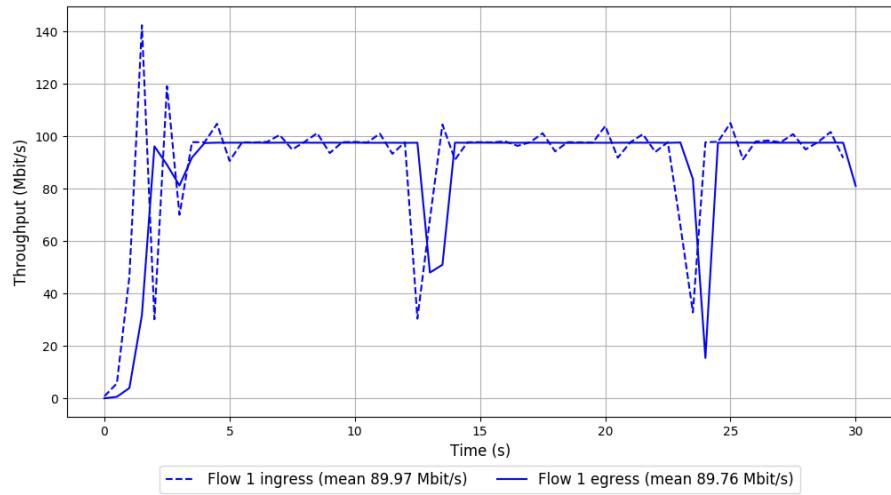


Run 5: Statistics of TCP BBR

```
Start at: 2019-10-03 09:01:24
End at: 2019-10-03 09:01:54
Local clock offset: -6.338 ms
Remote clock offset: -352.735 ms

# Below is generated by plot.py at 2019-10-03 09:20:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 133.535 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 89.76 Mbit/s
95th percentile per-packet one-way delay: 133.535 ms
Loss rate: 0.78%
```

Run 5: Report of TCP BBR — Data Link

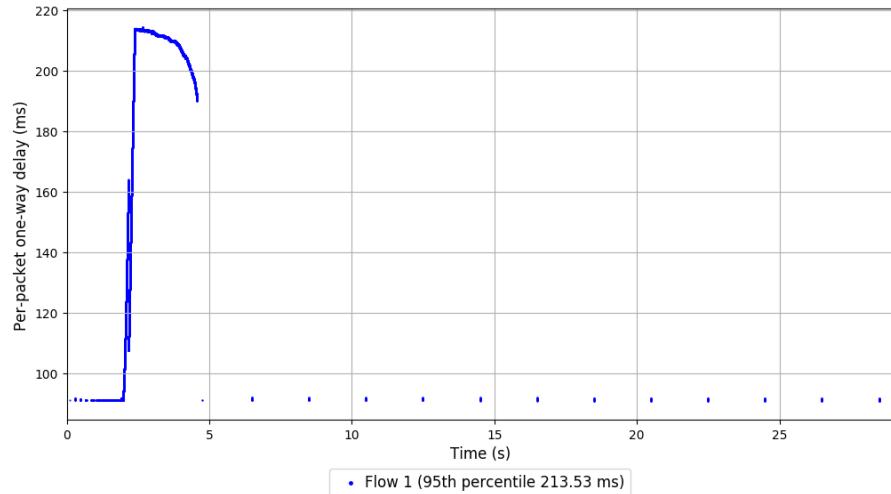
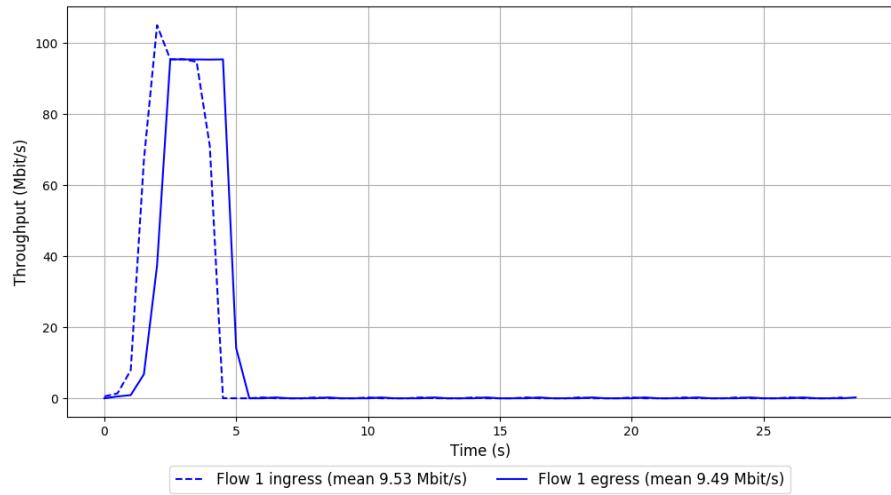


Run 1: Statistics of Copa

```
Start at: 2019-10-03 07:13:47
End at: 2019-10-03 07:14:17
Local clock offset: -5.609 ms
Remote clock offset: -273.353 ms

# Below is generated by plot.py at 2019-10-03 09:20:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.49 Mbit/s
95th percentile per-packet one-way delay: 213.532 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 9.49 Mbit/s
95th percentile per-packet one-way delay: 213.532 ms
Loss rate: 0.33%
```

Run 1: Report of Copa — Data Link

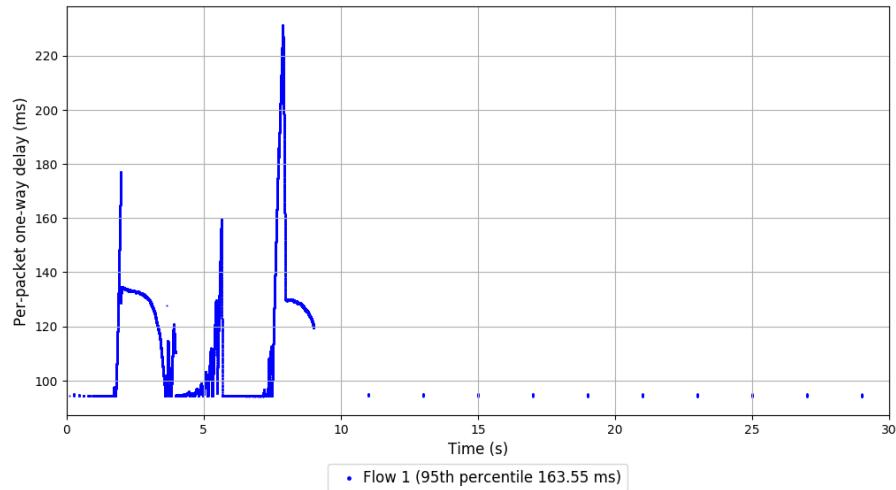
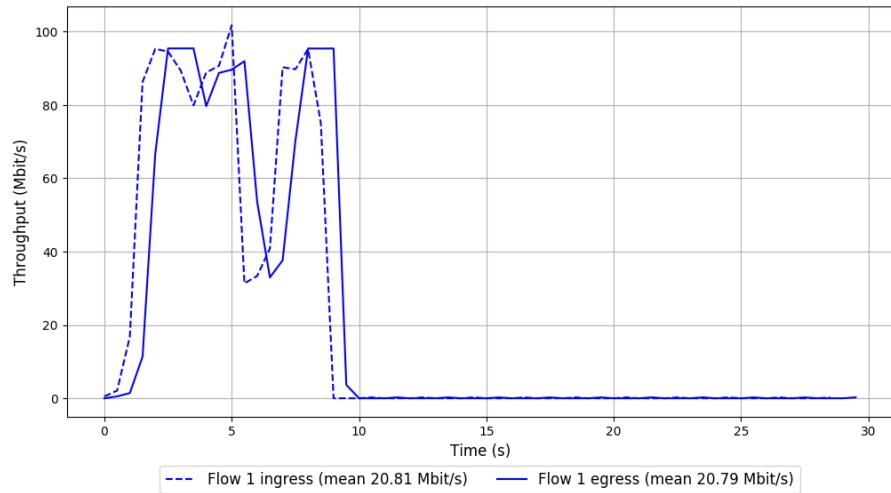


Run 2: Statistics of Copa

```
Start at: 2019-10-03 07:42:09
End at: 2019-10-03 07:42:39
Local clock offset: -6.474 ms
Remote clock offset: -292.897 ms

# Below is generated by plot.py at 2019-10-03 09:20:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.79 Mbit/s
95th percentile per-packet one-way delay: 163.554 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 20.79 Mbit/s
95th percentile per-packet one-way delay: 163.554 ms
Loss rate: 0.13%
```

Run 2: Report of Copa — Data Link

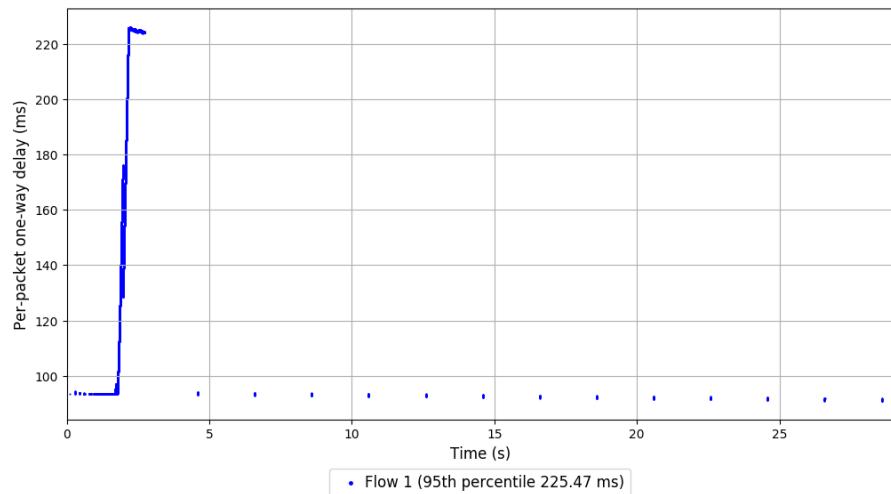
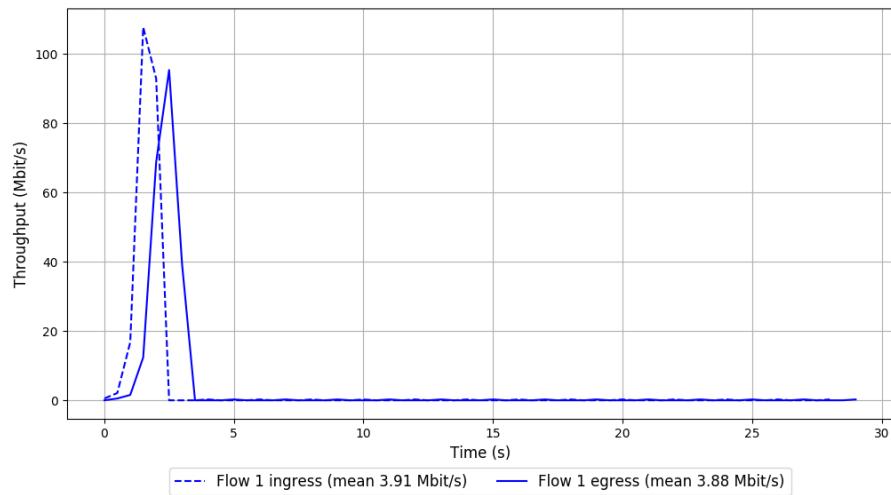


Run 3: Statistics of Copa

```
Start at: 2019-10-03 08:10:31
End at: 2019-10-03 08:11:01
Local clock offset: -6.589 ms
Remote clock offset: -60.011 ms

# Below is generated by plot.py at 2019-10-03 09:20:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 225.467 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 3.88 Mbit/s
95th percentile per-packet one-way delay: 225.467 ms
Loss rate: 0.93%
```

Run 3: Report of Copa — Data Link

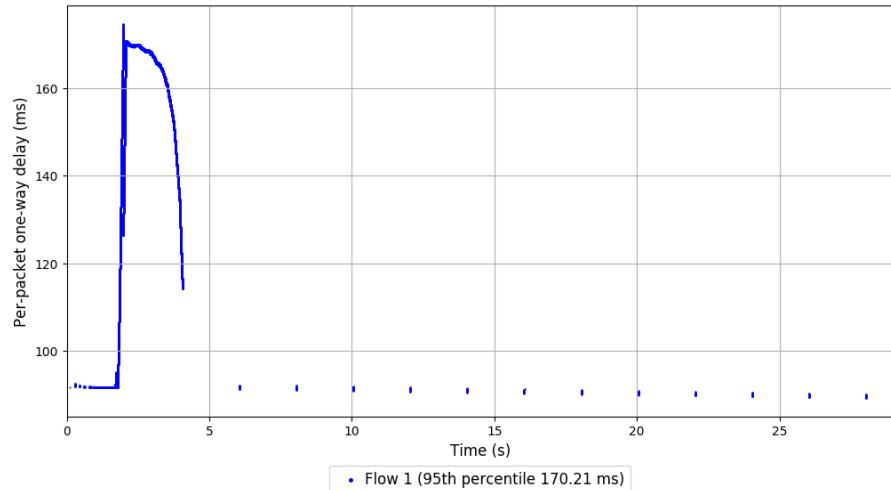
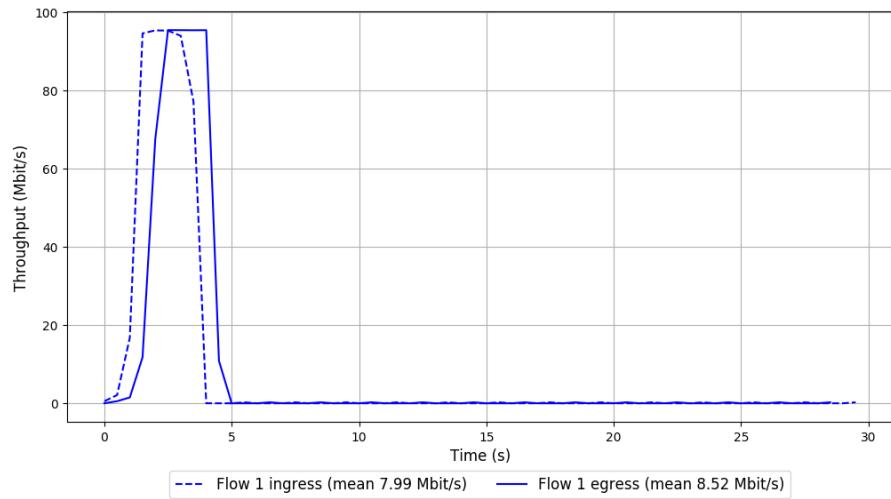


Run 4: Statistics of Copa

```
Start at: 2019-10-03 08:38:57
End at: 2019-10-03 08:39:27
Local clock offset: -6.696 ms
Remote clock offset: -222.108 ms

# Below is generated by plot.py at 2019-10-03 09:20:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.52 Mbit/s
95th percentile per-packet one-way delay: 170.205 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 8.52 Mbit/s
95th percentile per-packet one-way delay: 170.205 ms
Loss rate: 0.44%
```

Run 4: Report of Copa — Data Link

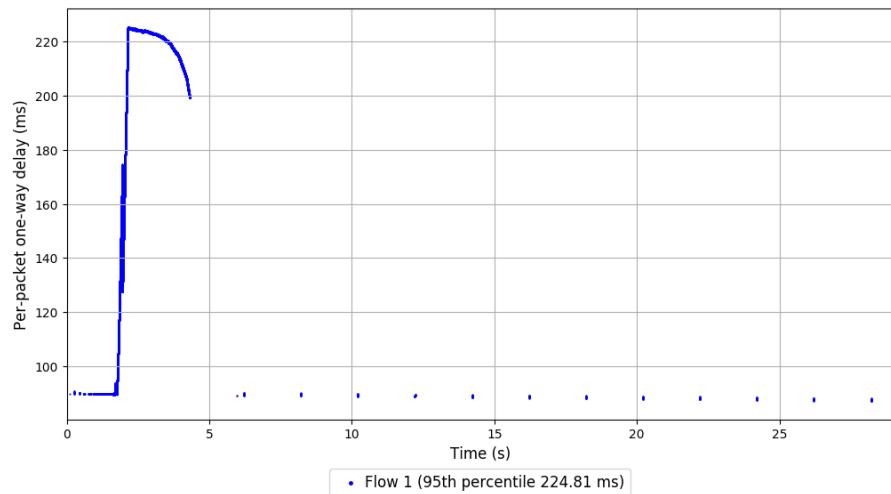
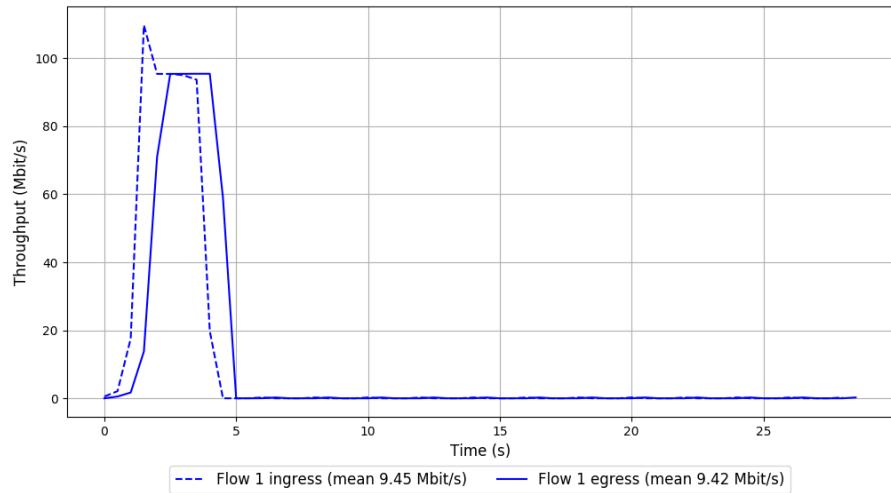


Run 5: Statistics of Copa

```
Start at: 2019-10-03 09:07:18
End at: 2019-10-03 09:07:48
Local clock offset: -6.039 ms
Remote clock offset: -386.717 ms

# Below is generated by plot.py at 2019-10-03 09:20:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.42 Mbit/s
95th percentile per-packet one-way delay: 224.808 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 9.42 Mbit/s
95th percentile per-packet one-way delay: 224.808 ms
Loss rate: 0.30%
```

Run 5: Report of Copa — Data Link

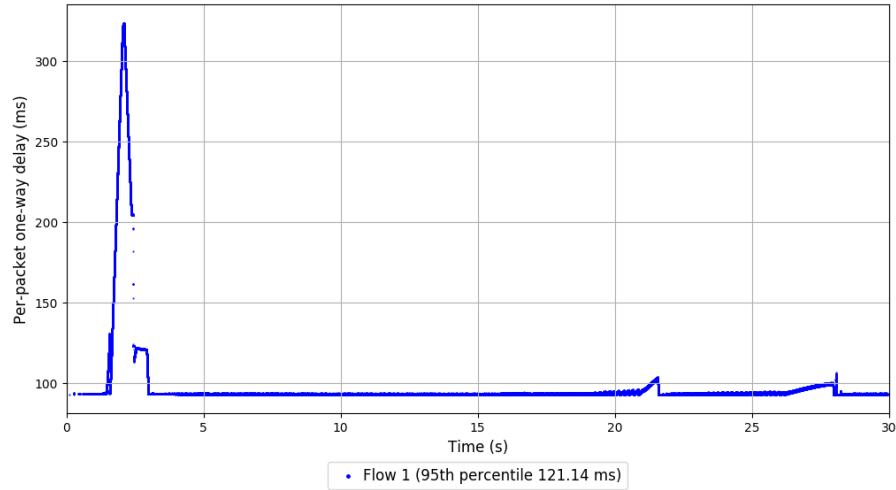
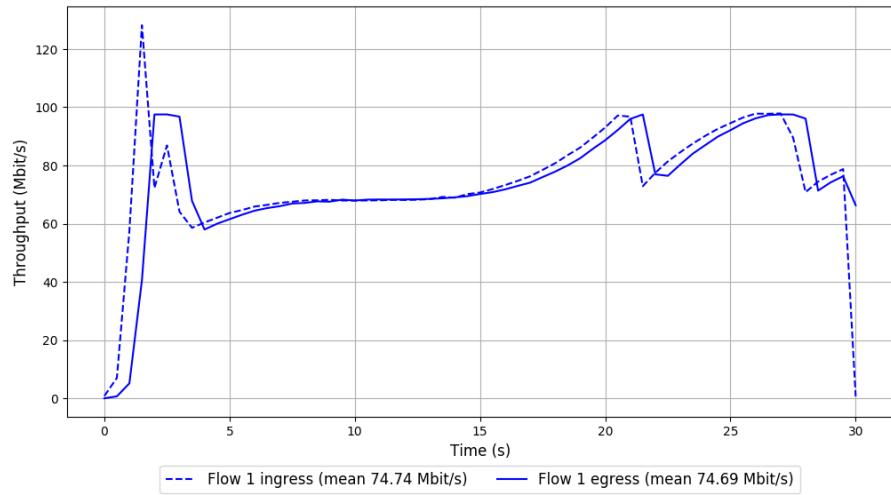


```
Run 1: Statistics of TCP Cubic

Start at: 2019-10-03 06:59:33
End at: 2019-10-03 07:00:03
Local clock offset: -6.371 ms
Remote clock offset: -263.155 ms

# Below is generated by plot.py at 2019-10-03 09:20:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.69 Mbit/s
95th percentile per-packet one-way delay: 121.135 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 74.69 Mbit/s
95th percentile per-packet one-way delay: 121.135 ms
Loss rate: 0.61%
```

Run 1: Report of TCP Cubic — Data Link

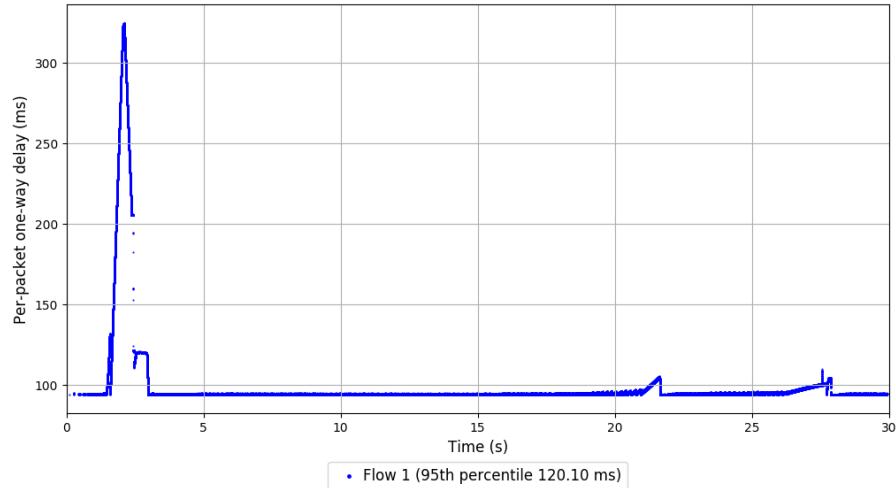
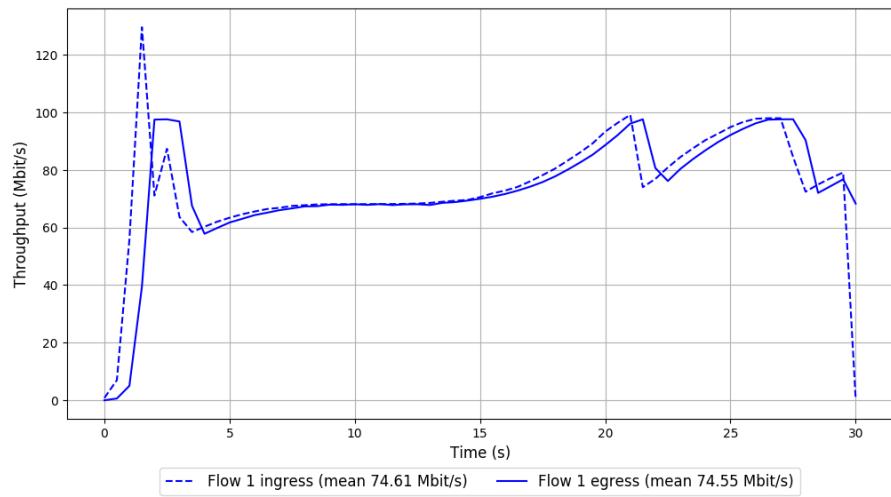


```
Run 2: Statistics of TCP Cubic
```

```
Start at: 2019-10-03 07:27:55
End at: 2019-10-03 07:28:25
Local clock offset: -5.79 ms
Remote clock offset: -282.951 ms

# Below is generated by plot.py at 2019-10-03 09:20:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.55 Mbit/s
95th percentile per-packet one-way delay: 120.099 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 74.55 Mbit/s
95th percentile per-packet one-way delay: 120.099 ms
Loss rate: 0.62%
```

Run 2: Report of TCP Cubic — Data Link

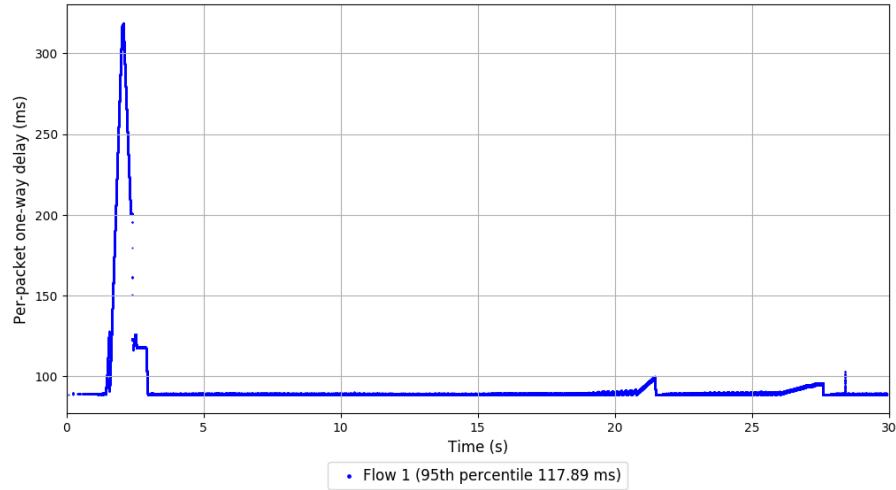
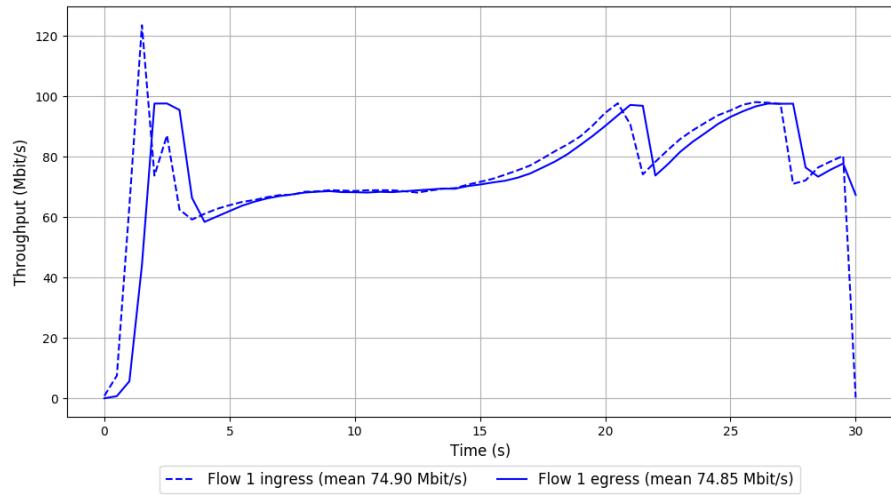


```
Run 3: Statistics of TCP Cubic
```

```
Start at: 2019-10-03 07:56:18
End at: 2019-10-03 07:56:48
Local clock offset: -6.656 ms
Remote clock offset: -300.794 ms

# Below is generated by plot.py at 2019-10-03 09:20:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.85 Mbit/s
95th percentile per-packet one-way delay: 117.886 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 74.85 Mbit/s
95th percentile per-packet one-way delay: 117.886 ms
Loss rate: 0.61%
```

Run 3: Report of TCP Cubic — Data Link

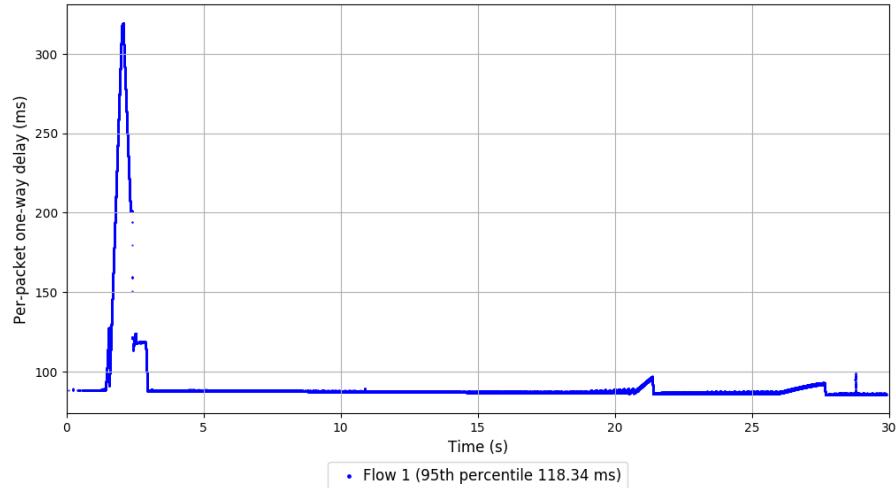
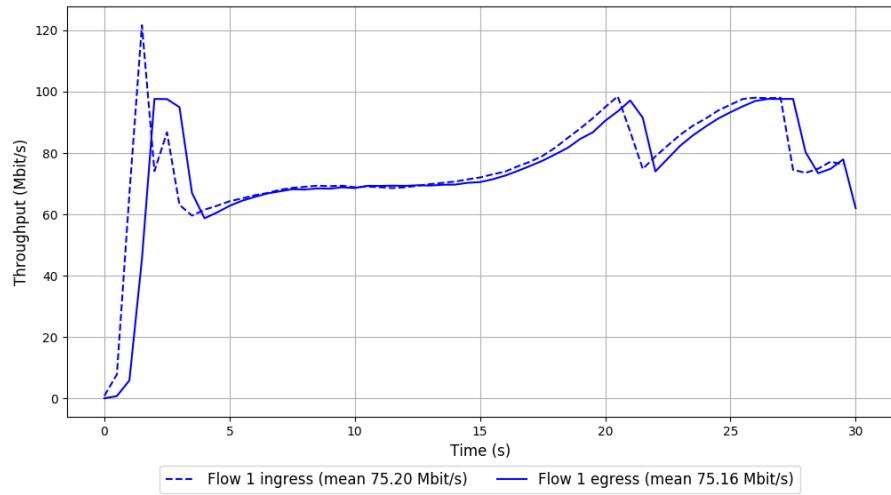


Run 4: Statistics of TCP Cubic

```
Start at: 2019-10-03 08:24:43
End at: 2019-10-03 08:25:13
Local clock offset: -6.651 ms
Remote clock offset: -139.897 ms

# Below is generated by plot.py at 2019-10-03 09:20:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.16 Mbit/s
95th percentile per-packet one-way delay: 118.343 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 75.16 Mbit/s
95th percentile per-packet one-way delay: 118.343 ms
Loss rate: 0.61%
```

Run 4: Report of TCP Cubic — Data Link

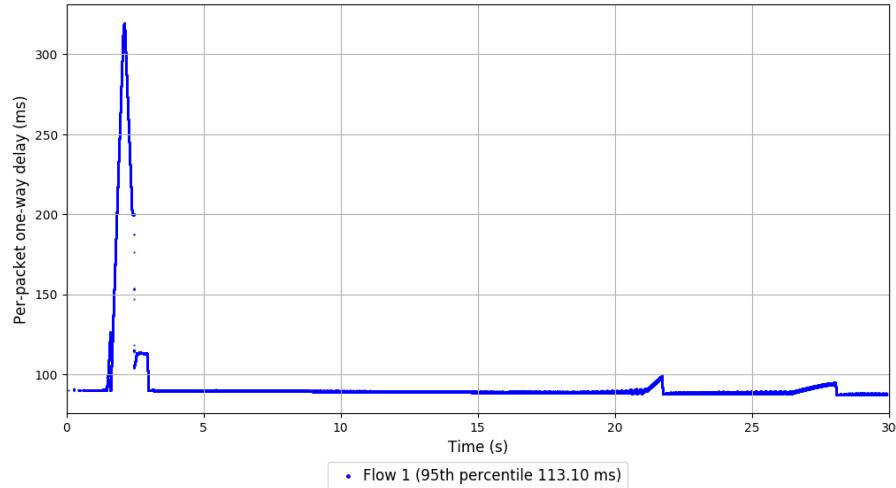
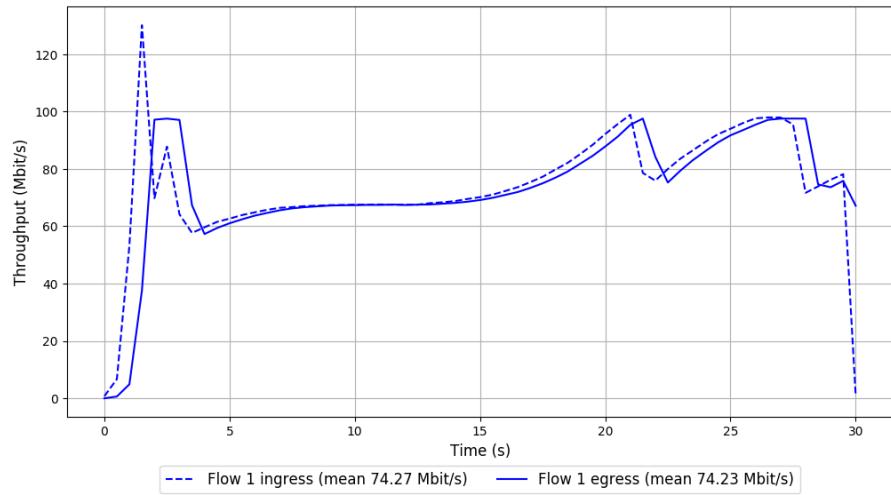


Run 5: Statistics of TCP Cubic

```
Start at: 2019-10-03 08:53:04
End at: 2019-10-03 08:53:34
Local clock offset: -6.781 ms
Remote clock offset: -302.126 ms

# Below is generated by plot.py at 2019-10-03 09:20:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.23 Mbit/s
95th percentile per-packet one-way delay: 113.101 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 74.23 Mbit/s
95th percentile per-packet one-way delay: 113.101 ms
Loss rate: 0.61%
```

Run 5: Report of TCP Cubic — Data Link

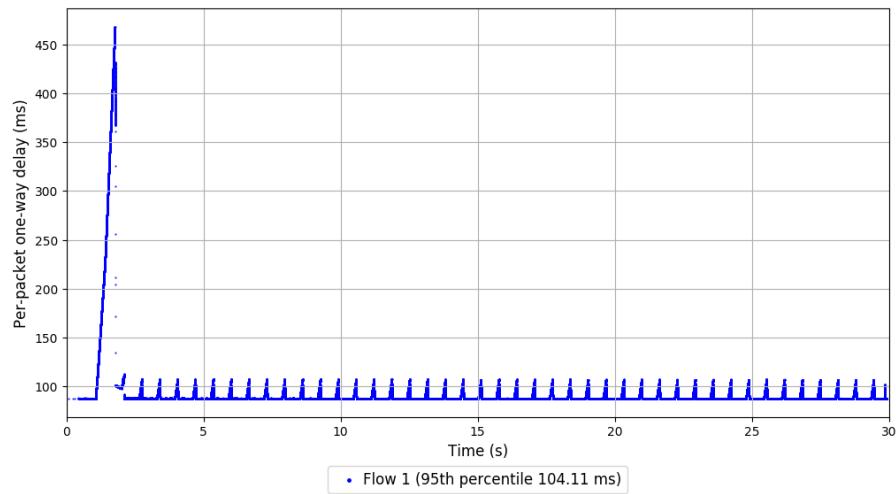
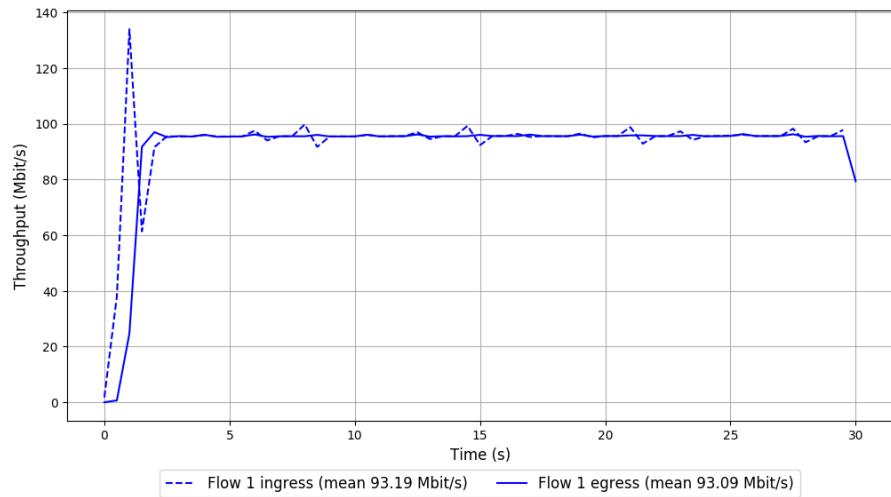


```
Run 1: Statistics of FillP
```

```
Start at: 2019-10-03 07:19:40
End at: 2019-10-03 07:20:10
Local clock offset: -5.544 ms
Remote clock offset: -275.464 ms

# Below is generated by plot.py at 2019-10-03 09:21:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.09 Mbit/s
95th percentile per-packet one-way delay: 104.108 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 93.09 Mbit/s
95th percentile per-packet one-way delay: 104.108 ms
Loss rate: 0.64%
```

Run 1: Report of FillP — Data Link

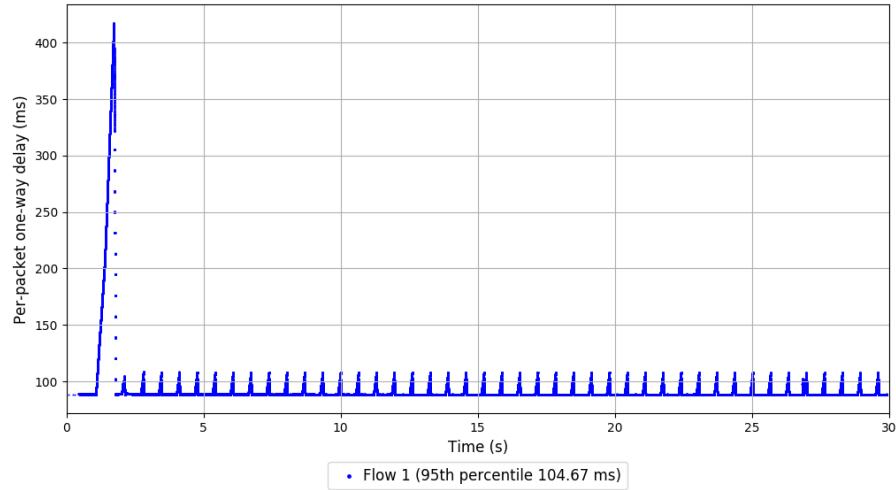
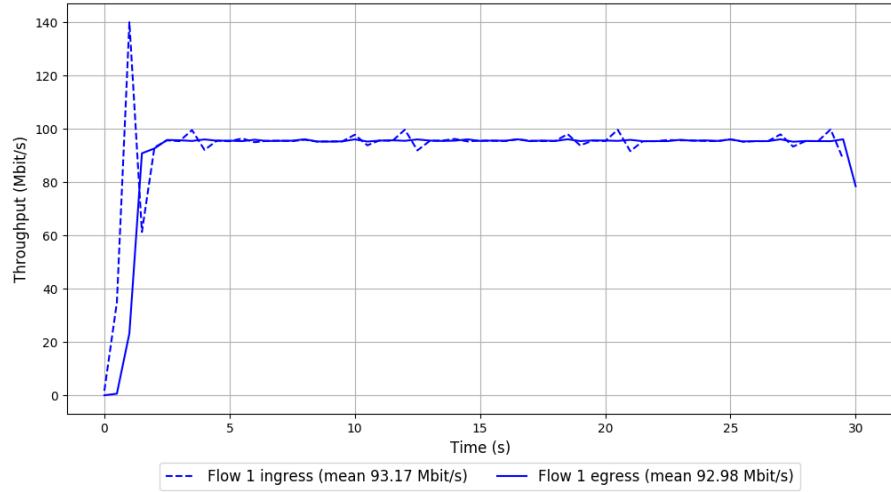


Run 2: Statistics of FillP

```
Start at: 2019-10-03 07:48:03
End at: 2019-10-03 07:48:33
Local clock offset: -6.585 ms
Remote clock offset: -295.087 ms

# Below is generated by plot.py at 2019-10-03 09:21:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 104.669 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 92.98 Mbit/s
95th percentile per-packet one-way delay: 104.669 ms
Loss rate: 0.74%
```

Run 2: Report of FillP — Data Link

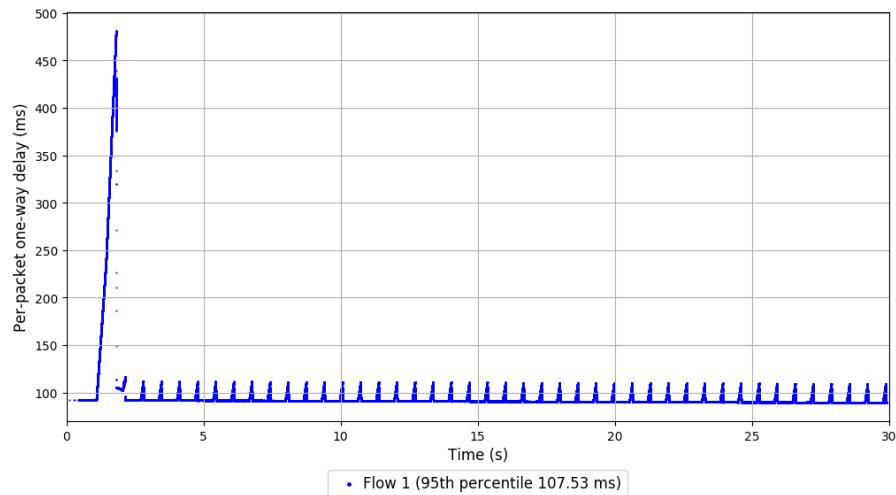
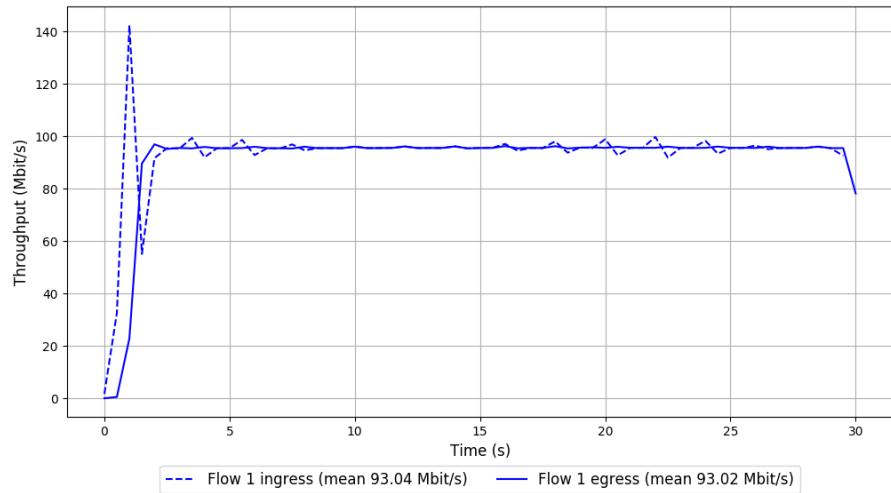


Run 3: Statistics of FillP

```
Start at: 2019-10-03 08:16:29
End at: 2019-10-03 08:16:59
Local clock offset: -6.609 ms
Remote clock offset: -93.186 ms

# Below is generated by plot.py at 2019-10-03 09:21:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: 107.526 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 93.02 Mbit/s
95th percentile per-packet one-way delay: 107.526 ms
Loss rate: 0.58%
```

Run 3: Report of FillP — Data Link

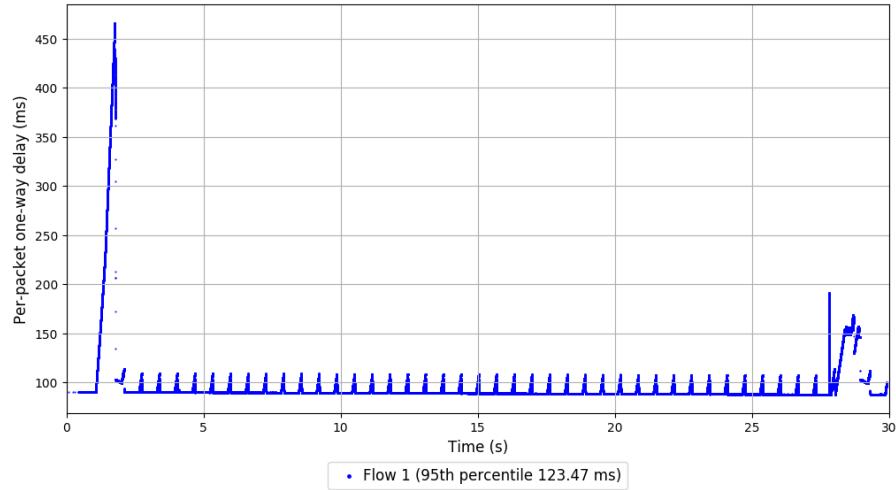
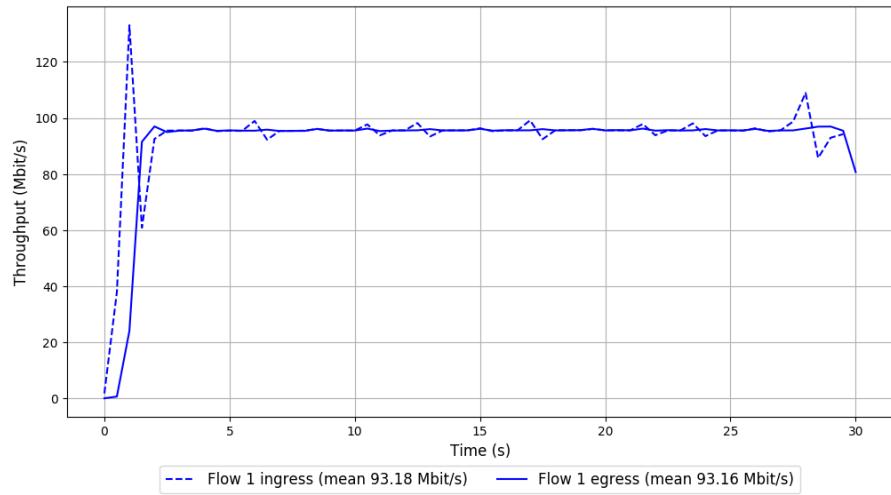


Run 4: Statistics of FillP

```
Start at: 2019-10-03 08:44:50
End at: 2019-10-03 08:45:20
Local clock offset: -6.725 ms
Remote clock offset: -257.918 ms

# Below is generated by plot.py at 2019-10-03 09:21:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 123.467 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 93.16 Mbit/s
95th percentile per-packet one-way delay: 123.467 ms
Loss rate: 0.57%
```

Run 4: Report of FillP — Data Link

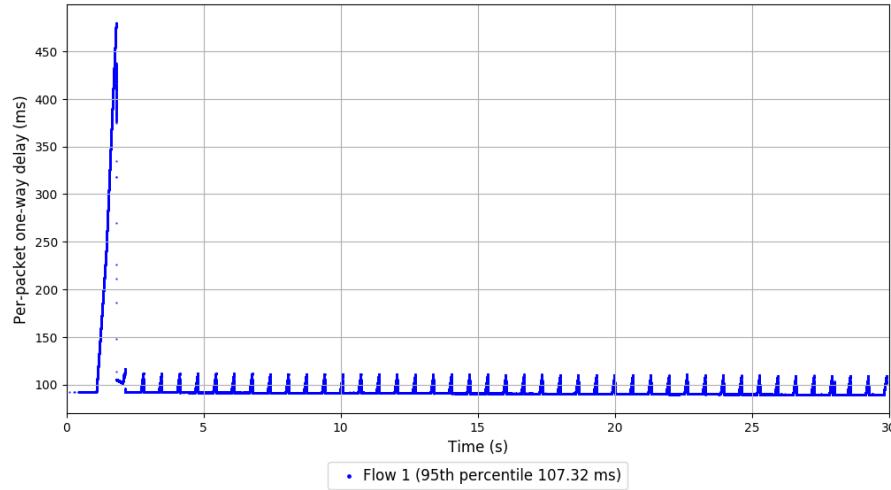
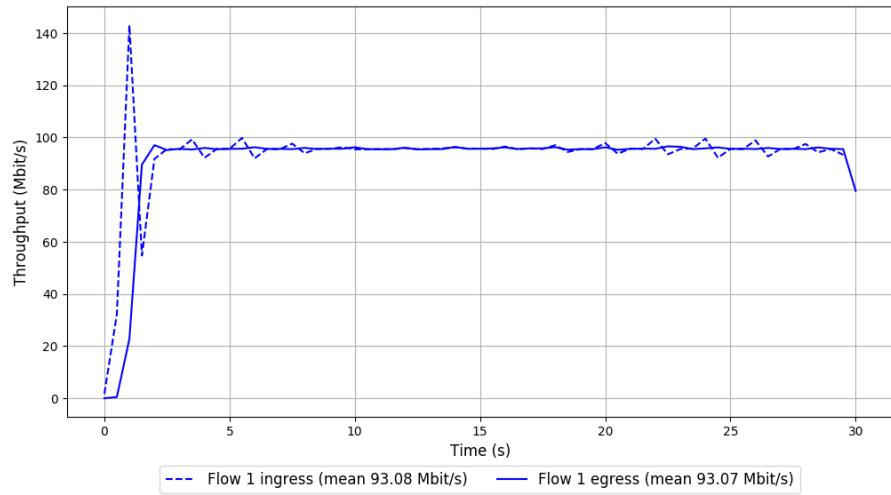


Run 5: Statistics of FillP

```
Start at: 2019-10-03 09:13:11
End at: 2019-10-03 09:13:41
Local clock offset: -5.886 ms
Remote clock offset: -419.062 ms

# Below is generated by plot.py at 2019-10-03 09:21:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.07 Mbit/s
95th percentile per-packet one-way delay: 107.316 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 93.07 Mbit/s
95th percentile per-packet one-way delay: 107.316 ms
Loss rate: 0.57%
```

Run 5: Report of FillP — Data Link

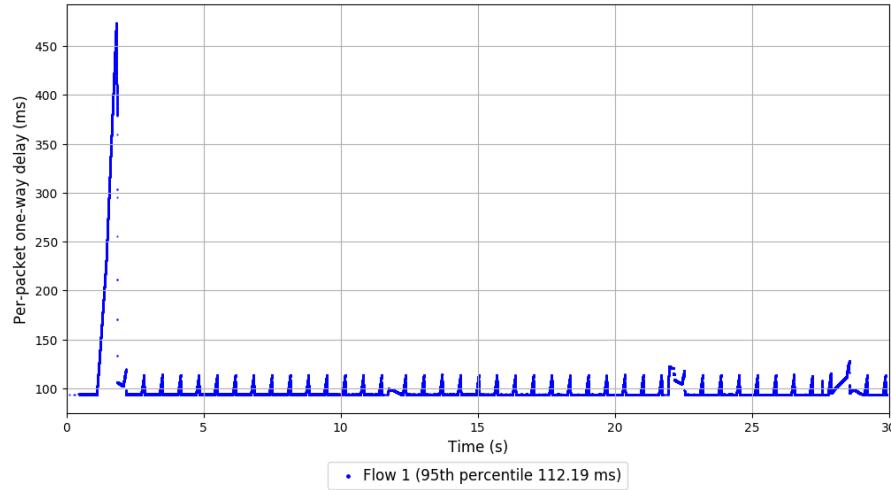
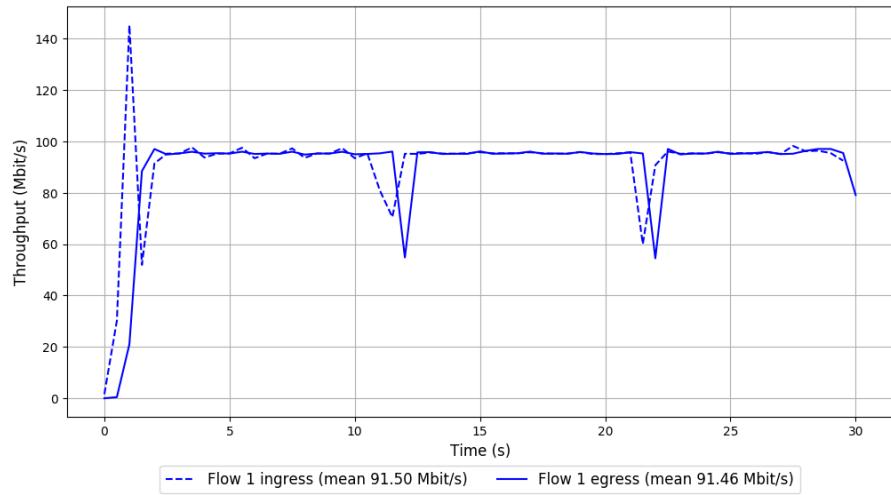


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-10-03 06:58:22
End at: 2019-10-03 06:58:52
Local clock offset: -6.524 ms
Remote clock offset: -262.323 ms

# Below is generated by plot.py at 2019-10-03 09:21:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.46 Mbit/s
95th percentile per-packet one-way delay: 112.195 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 91.46 Mbit/s
95th percentile per-packet one-way delay: 112.195 ms
Loss rate: 0.59%
```

Run 1: Report of FillP-Sheep — Data Link

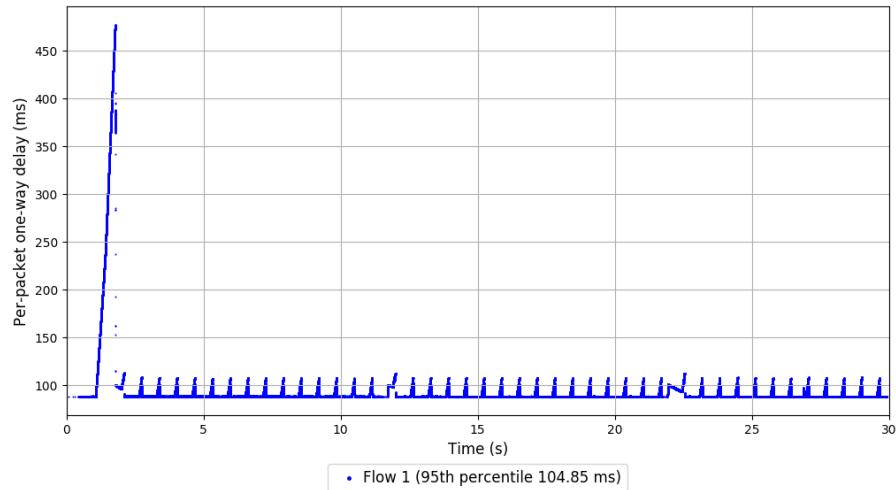
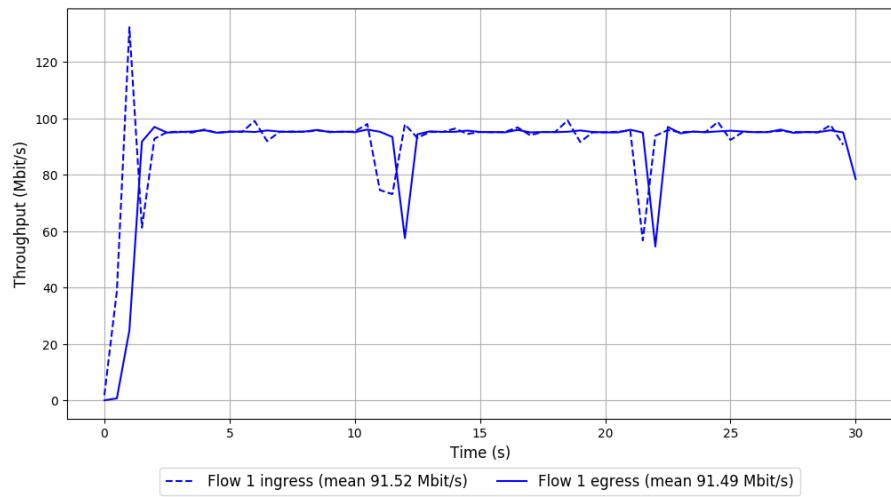


```
Run 2: Statistics of FillP-Sheep
```

```
Start at: 2019-10-03 07:26:44
End at: 2019-10-03 07:27:14
Local clock offset: -5.666 ms
Remote clock offset: -280.279 ms

# Below is generated by plot.py at 2019-10-03 09:22:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.49 Mbit/s
95th percentile per-packet one-way delay: 104.852 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 91.49 Mbit/s
95th percentile per-packet one-way delay: 104.852 ms
Loss rate: 0.58%
```

Run 2: Report of FillP-Sheep — Data Link

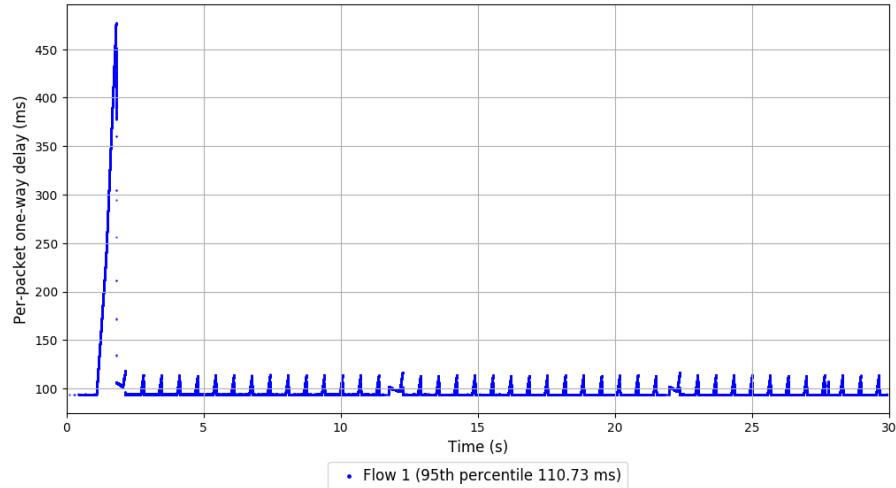
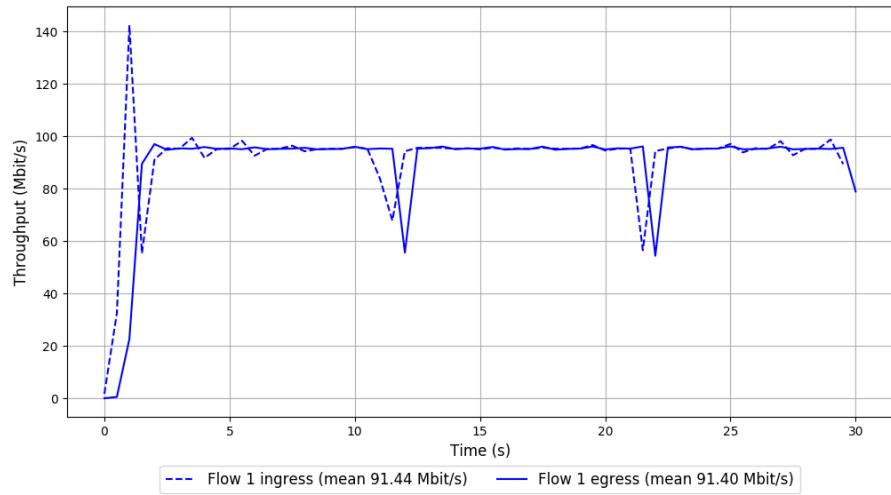


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-10-03 07:55:07
End at: 2019-10-03 07:55:37
Local clock offset: -6.684 ms
Remote clock offset: -301.77 ms

# Below is generated by plot.py at 2019-10-03 09:22:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.40 Mbit/s
95th percentile per-packet one-way delay: 110.731 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 91.40 Mbit/s
95th percentile per-packet one-way delay: 110.731 ms
Loss rate: 0.59%
```

Run 3: Report of FillP-Sheep — Data Link

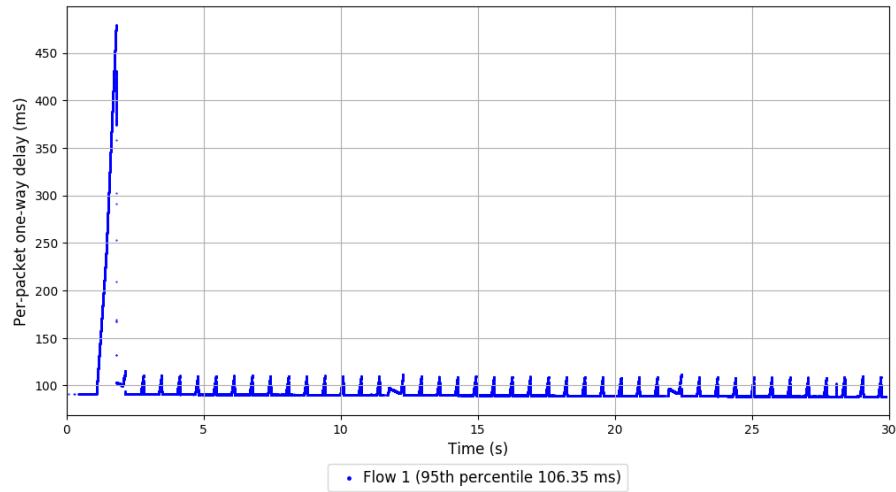
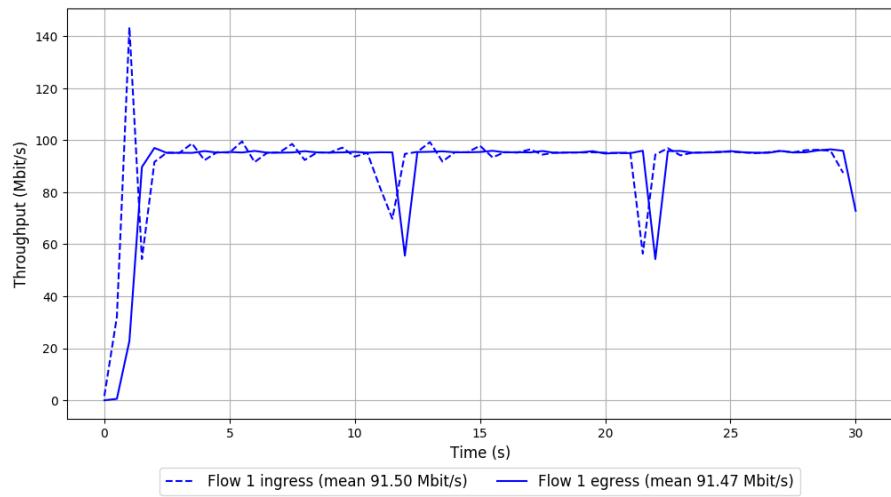


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-10-03 08:23:32
End at: 2019-10-03 08:24:02
Local clock offset: -6.641 ms
Remote clock offset: -132.728 ms

# Below is generated by plot.py at 2019-10-03 09:22:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 106.347 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 106.347 ms
Loss rate: 0.59%
```

Run 4: Report of FillP-Sheep — Data Link

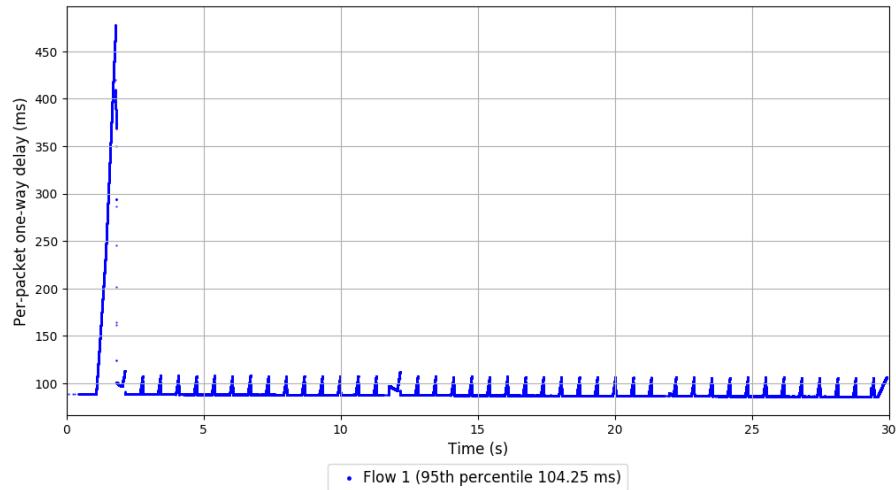
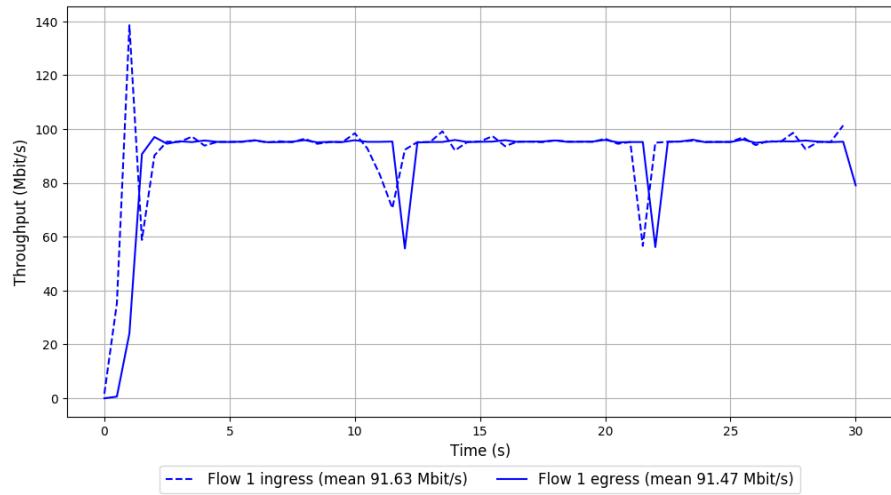


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-10-03 08:51:53
End at: 2019-10-03 08:52:23
Local clock offset: -6.778 ms
Remote clock offset: -296.81 ms

# Below is generated by plot.py at 2019-10-03 09:22:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 104.255 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 104.255 ms
Loss rate: 0.72%
```

Run 5: Report of FillP-Sheep — Data Link

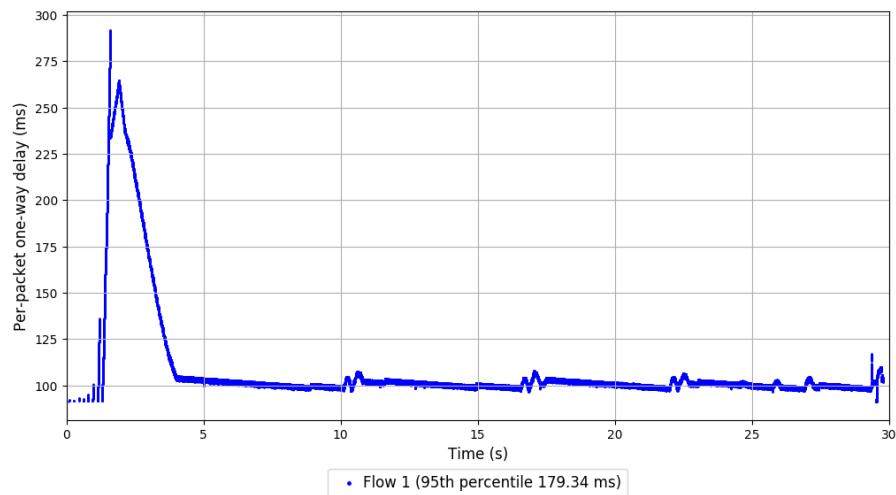
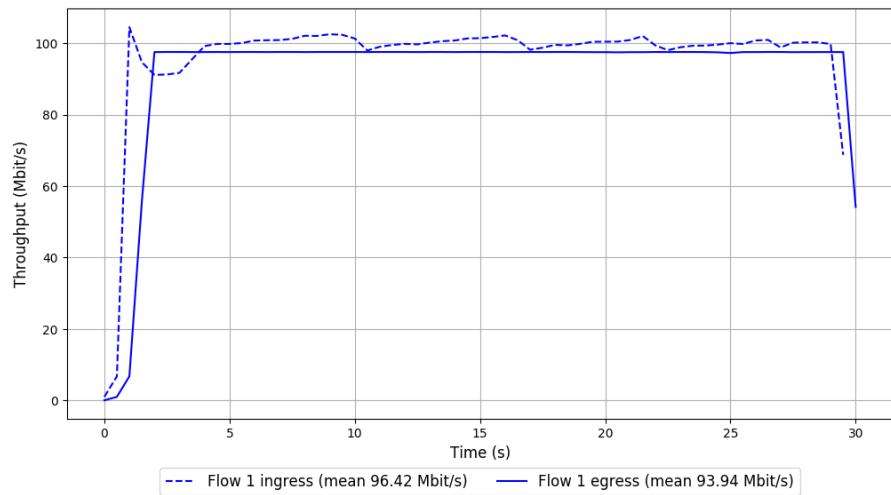


Run 1: Statistics of Indigo

```
Start at: 2019-10-03 07:04:18
End at: 2019-10-03 07:04:48
Local clock offset: -6.005 ms
Remote clock offset: -264.738 ms

# Below is generated by plot.py at 2019-10-03 09:22:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.94 Mbit/s
95th percentile per-packet one-way delay: 179.337 ms
Loss rate: 3.11%
-- Flow 1:
Average throughput: 93.94 Mbit/s
95th percentile per-packet one-way delay: 179.337 ms
Loss rate: 3.11%
```

Run 1: Report of Indigo — Data Link

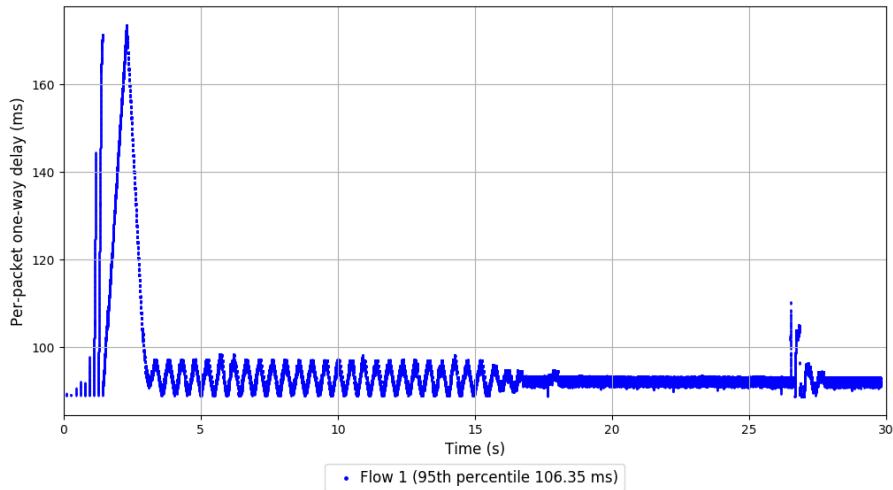
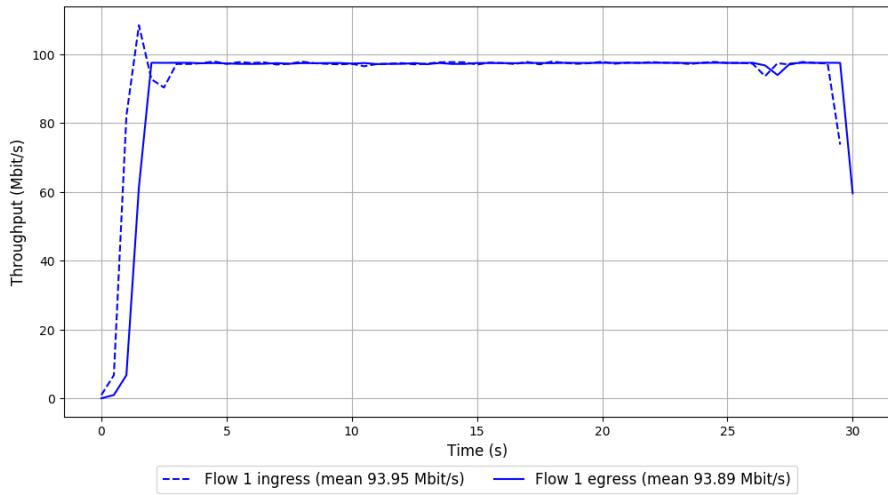


Run 2: Statistics of Indigo

```
Start at: 2019-10-03 07:32:40
End at: 2019-10-03 07:33:10
Local clock offset: -6.132 ms
Remote clock offset: -284.516 ms

# Below is generated by plot.py at 2019-10-03 09:22:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.89 Mbit/s
95th percentile per-packet one-way delay: 106.346 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 93.89 Mbit/s
95th percentile per-packet one-way delay: 106.346 ms
Loss rate: 0.60%
```

Run 2: Report of Indigo — Data Link

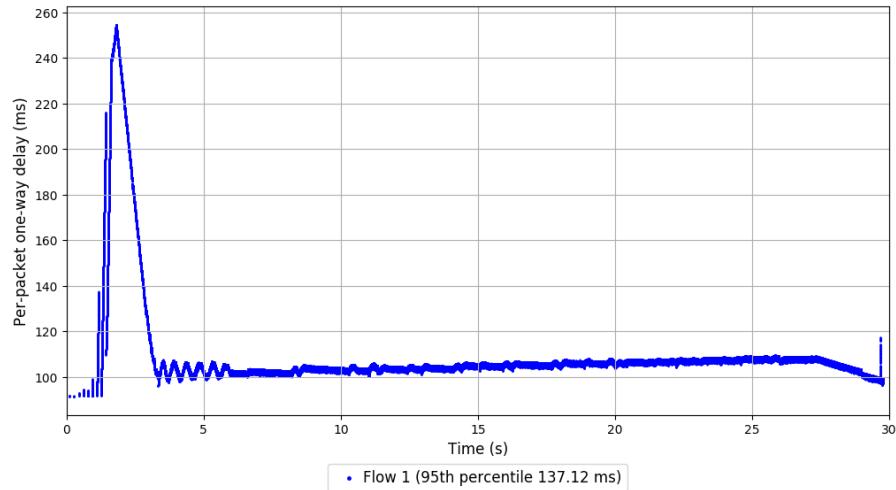
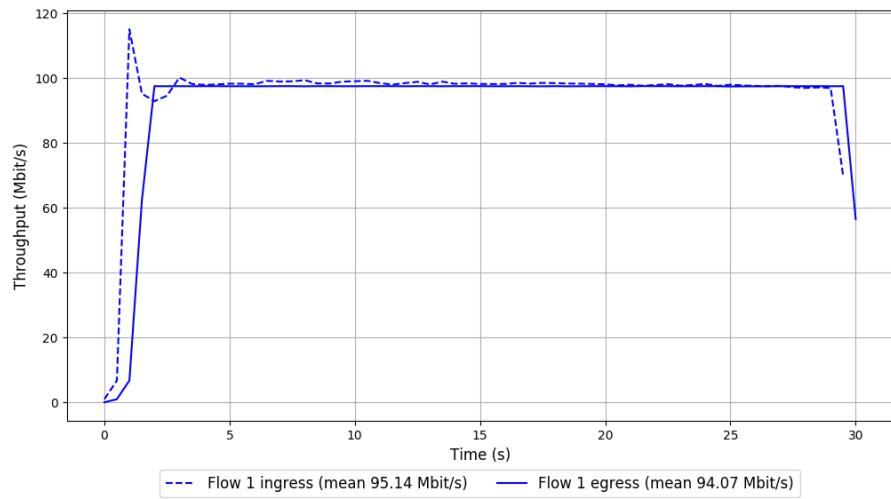


Run 3: Statistics of Indigo

```
Start at: 2019-10-03 08:01:03
End at: 2019-10-03 08:01:33
Local clock offset: -6.605 ms
Remote clock offset: 37.409 ms

# Below is generated by plot.py at 2019-10-03 09:22:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.07 Mbit/s
95th percentile per-packet one-way delay: 137.124 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 94.07 Mbit/s
95th percentile per-packet one-way delay: 137.124 ms
Loss rate: 1.65%
```

Run 3: Report of Indigo — Data Link

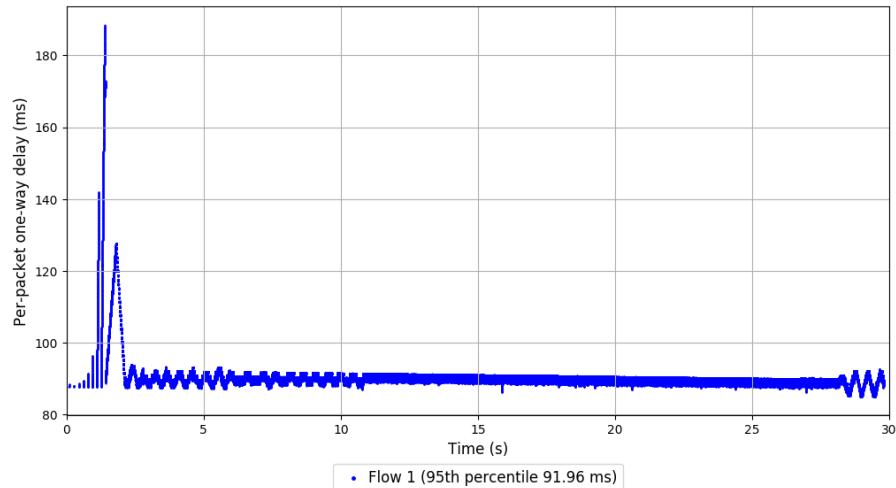
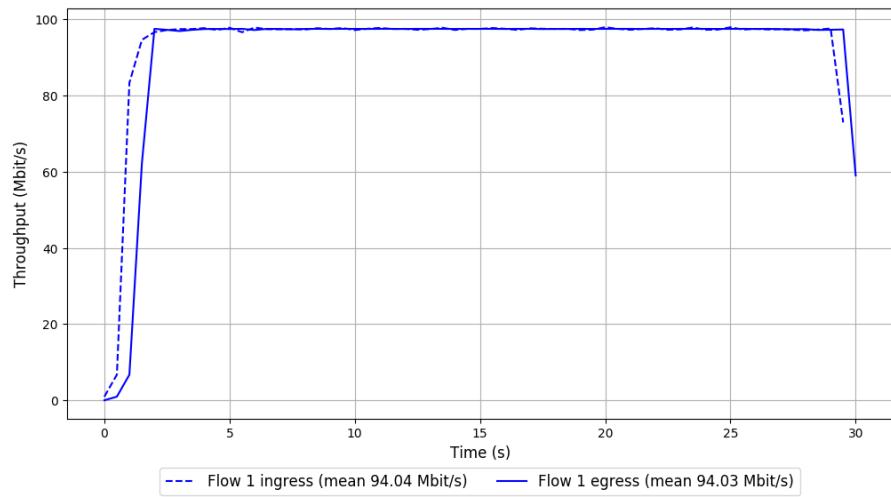


Run 4: Statistics of Indigo

```
Start at: 2019-10-03 08:29:28
End at: 2019-10-03 08:29:58
Local clock offset: -6.669 ms
Remote clock offset: -166.713 ms

# Below is generated by plot.py at 2019-10-03 09:22:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.03 Mbit/s
95th percentile per-packet one-way delay: 91.959 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 94.03 Mbit/s
95th percentile per-packet one-way delay: 91.959 ms
Loss rate: 0.56%
```

Run 4: Report of Indigo — Data Link

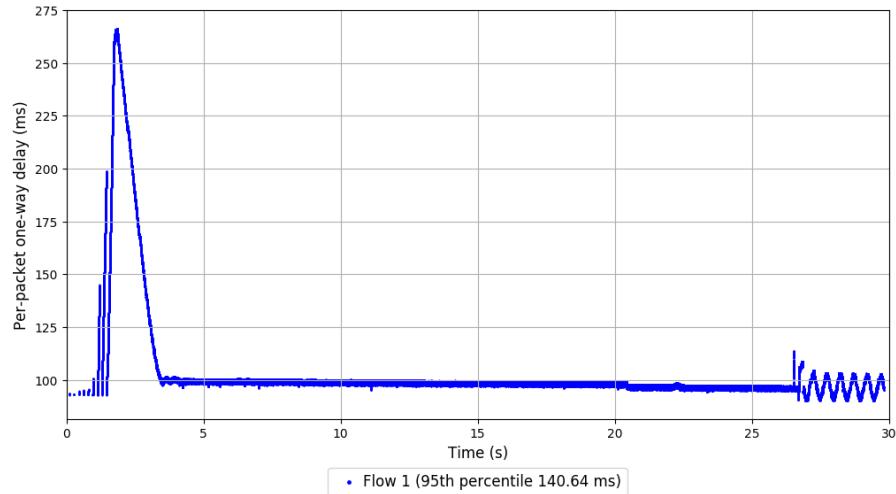
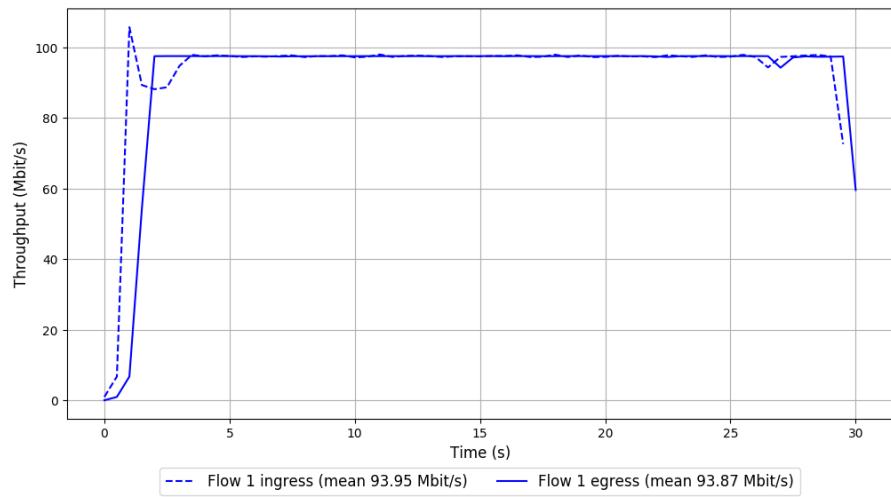


Run 5: Statistics of Indigo

```
Start at: 2019-10-03 08:57:49
End at: 2019-10-03 08:58:20
Local clock offset: -6.495 ms
Remote clock offset: -331.537 ms

# Below is generated by plot.py at 2019-10-03 09:23:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 140.637 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 140.637 ms
Loss rate: 0.64%
```

Run 5: Report of Indigo — Data Link

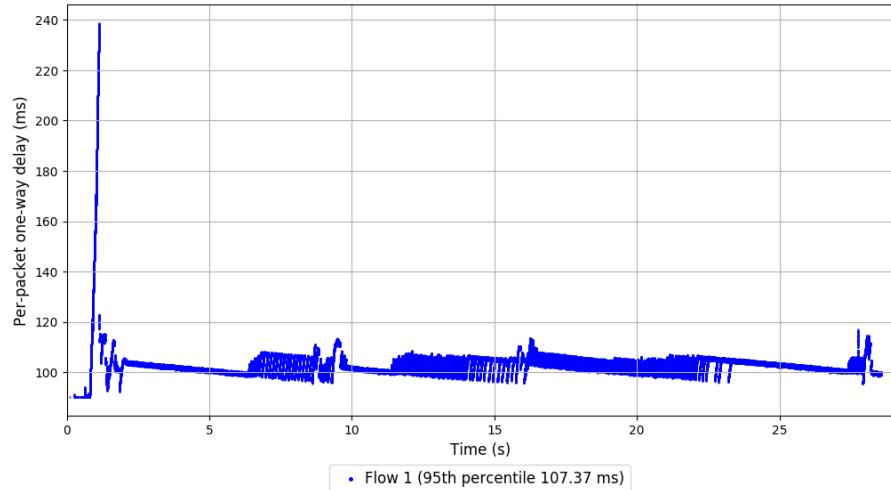
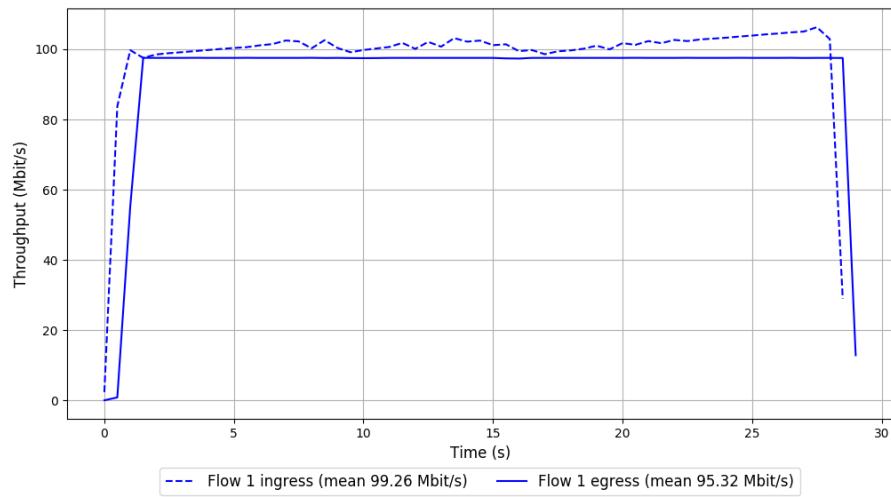


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-10-03 07:12:35
End at: 2019-10-03 07:13:05
Local clock offset: -5.653 ms
Remote clock offset: -272.129 ms

# Below is generated by plot.py at 2019-10-03 09:23:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 107.370 ms
Loss rate: 4.50%
-- Flow 1:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 107.370 ms
Loss rate: 4.50%
```

Run 1: Report of Indigo-MusesC3 — Data Link

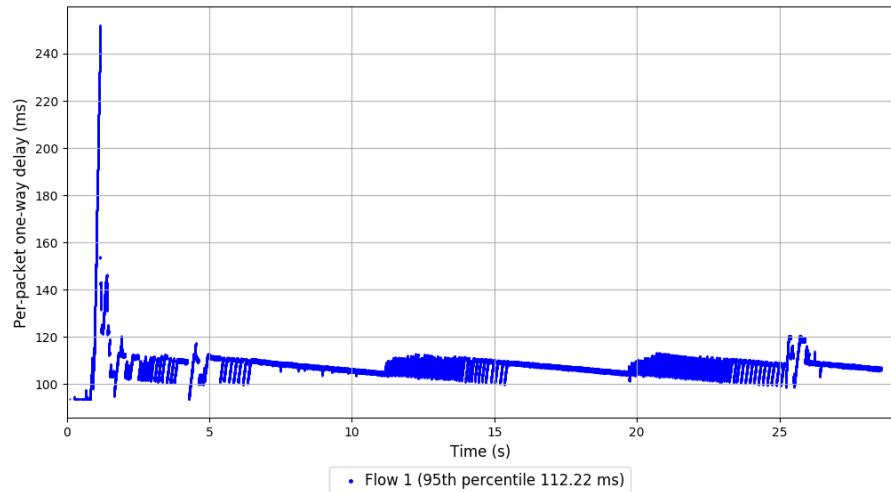
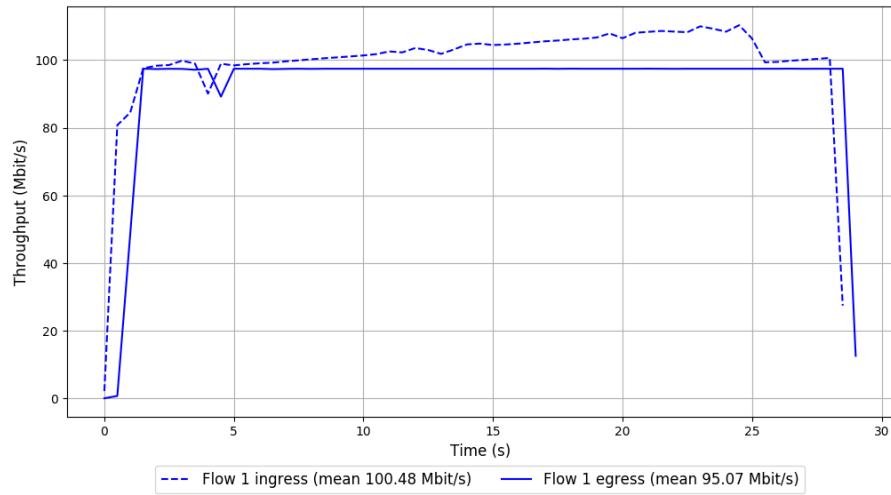


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-10-03 07:40:57
End at: 2019-10-03 07:41:27
Local clock offset: -6.448 ms
Remote clock offset: -291.912 ms

# Below is generated by plot.py at 2019-10-03 09:23:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: 112.219 ms
Loss rate: 5.93%
-- Flow 1:
Average throughput: 95.07 Mbit/s
95th percentile per-packet one-way delay: 112.219 ms
Loss rate: 5.93%
```

Run 2: Report of Indigo-MusesC3 — Data Link

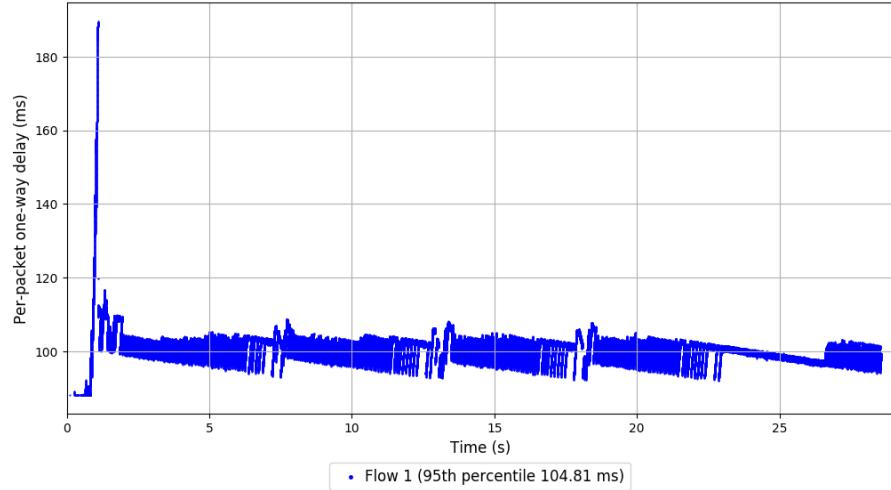
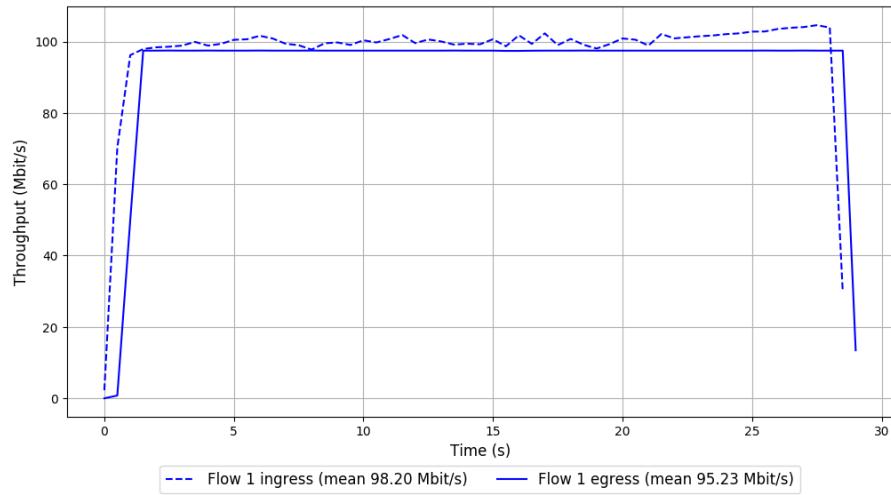


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-10-03 08:09:19
End at: 2019-10-03 08:09:50
Local clock offset: -6.572 ms
Remote clock offset: -51.524 ms

# Below is generated by plot.py at 2019-10-03 09:23:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 104.814 ms
Loss rate: 3.57%
-- Flow 1:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 104.814 ms
Loss rate: 3.57%
```

Run 3: Report of Indigo-MusesC3 — Data Link

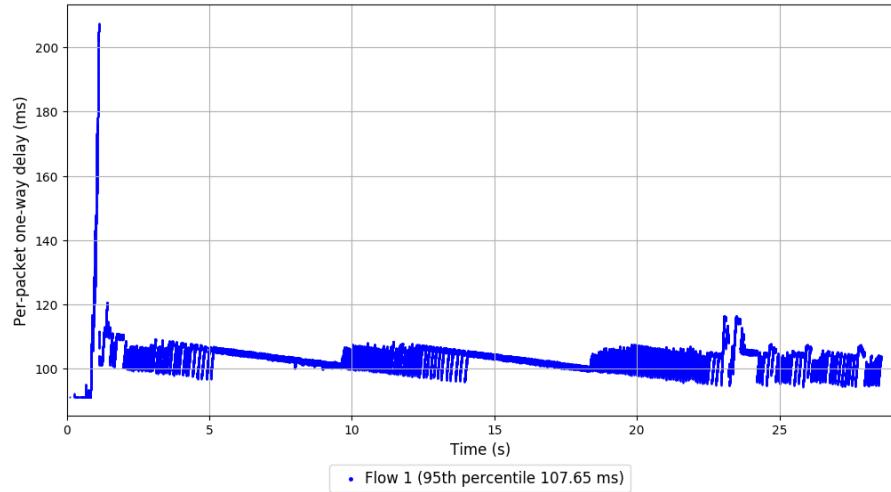
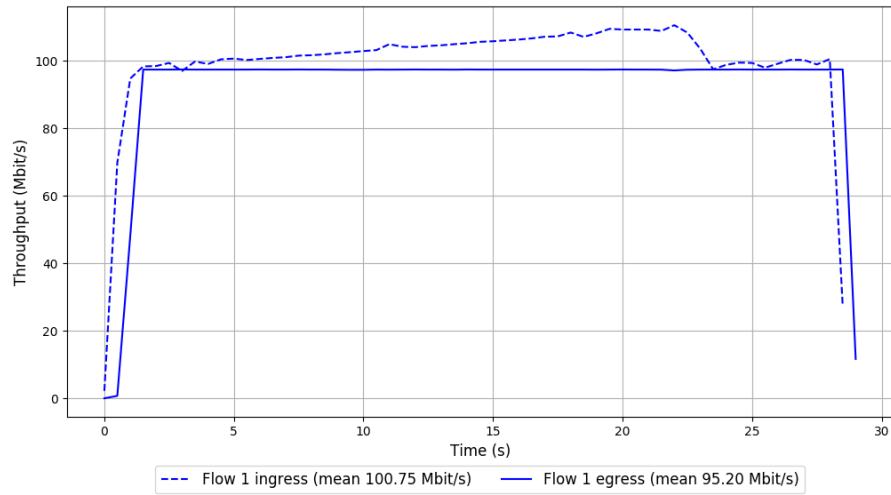


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-10-03 08:37:45
End at: 2019-10-03 08:38:15
Local clock offset: -6.693 ms
Remote clock offset: -214.488 ms

# Below is generated by plot.py at 2019-10-03 09:23:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.20 Mbit/s
95th percentile per-packet one-way delay: 107.652 ms
Loss rate: 6.07%
-- Flow 1:
Average throughput: 95.20 Mbit/s
95th percentile per-packet one-way delay: 107.652 ms
Loss rate: 6.07%
```

Run 4: Report of Indigo-MusesC3 — Data Link

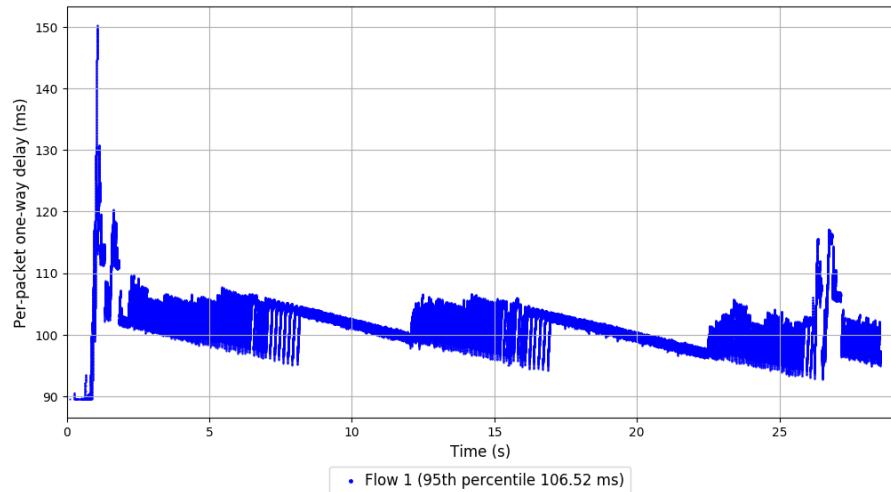
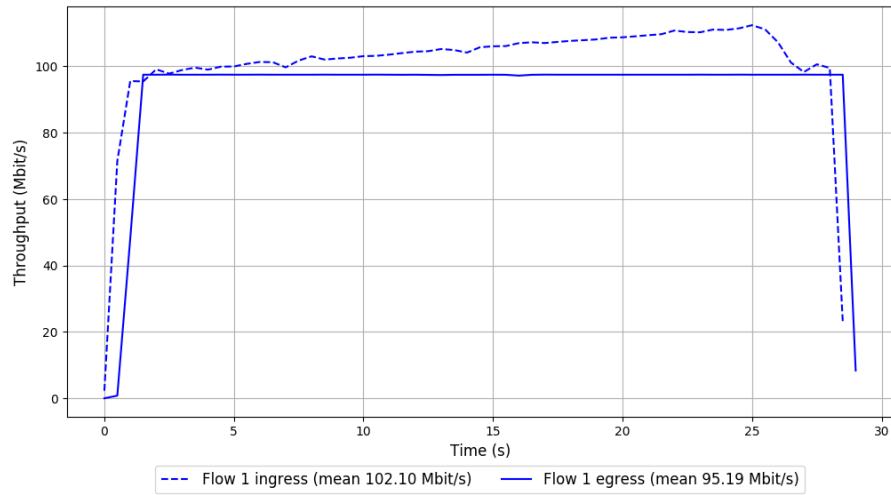


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-10-03 09:06:06
End at: 2019-10-03 09:06:36
Local clock offset: -6.075 ms
Remote clock offset: -380.263 ms

# Below is generated by plot.py at 2019-10-03 09:23:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.19 Mbit/s
95th percentile per-packet one-way delay: 106.524 ms
Loss rate: 7.30%
-- Flow 1:
Average throughput: 95.19 Mbit/s
95th percentile per-packet one-way delay: 106.524 ms
Loss rate: 7.30%
```

Run 5: Report of Indigo-MusesC3 — Data Link

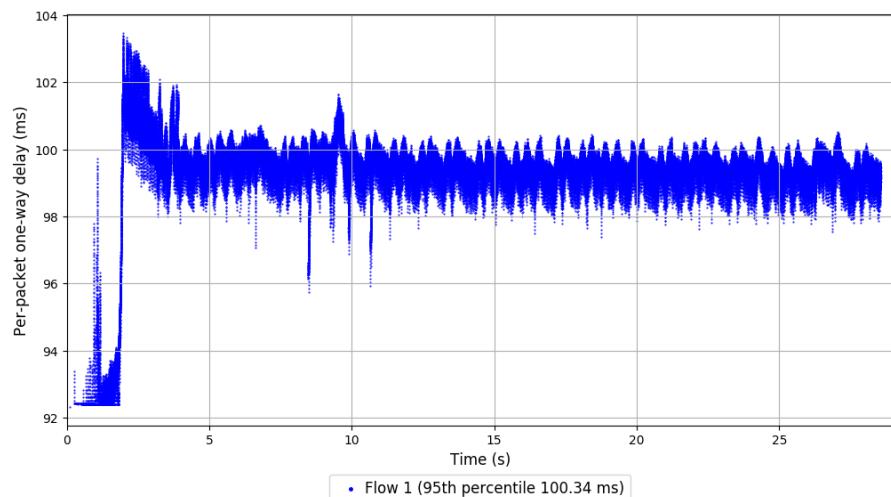
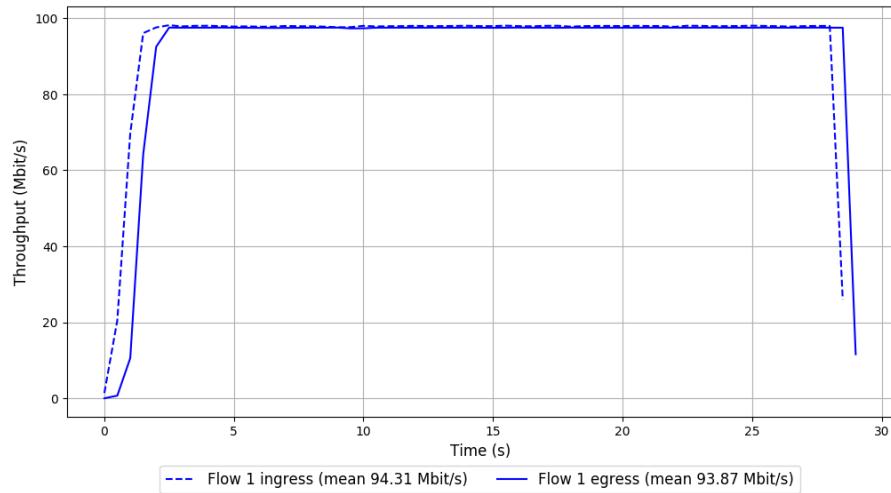


```
Run 1: Statistics of Indigo-MusesC5
```

```
Start at: 2019-10-03 07:20:51
End at: 2019-10-03 07:21:21
Local clock offset: -5.476 ms
Remote clock offset: -276.114 ms

# Below is generated by plot.py at 2019-10-03 09:23:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 100.337 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 100.337 ms
Loss rate: 1.04%
```

Run 1: Report of Indigo-MusesC5 — Data Link

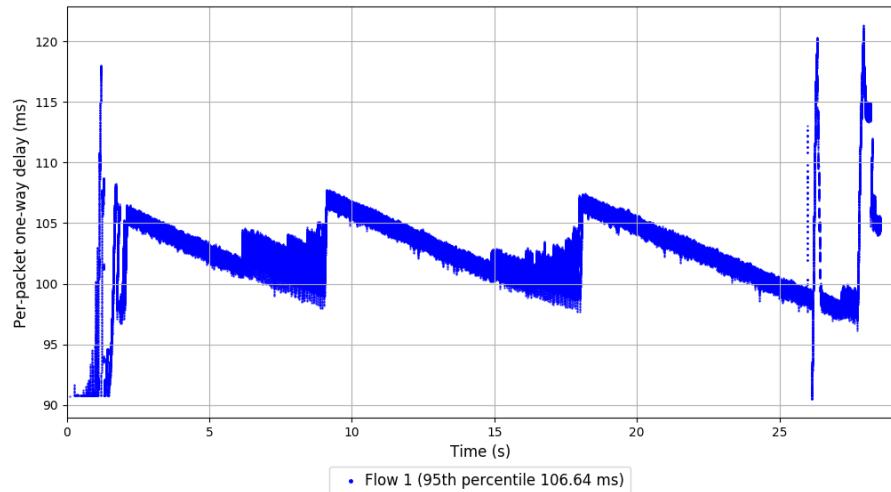
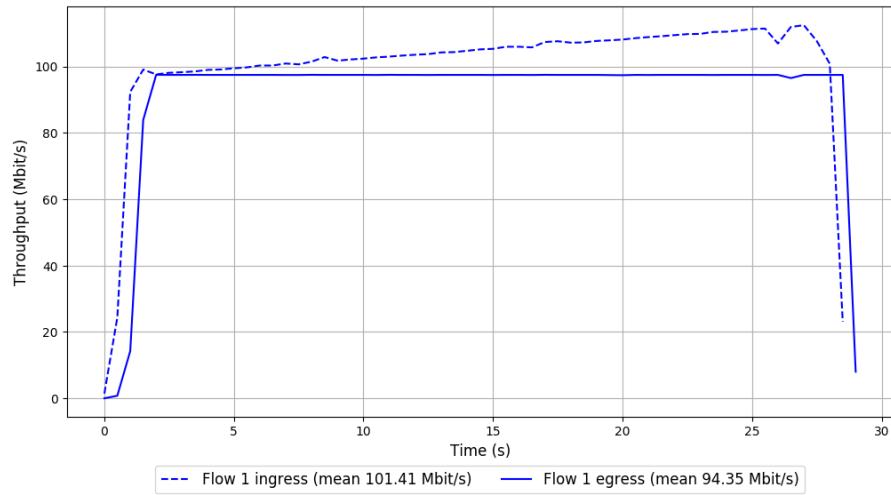


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-10-03 07:49:14
End at: 2019-10-03 07:49:44
Local clock offset: -6.612 ms
Remote clock offset: -297.817 ms

# Below is generated by plot.py at 2019-10-03 09:23:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.35 Mbit/s
95th percentile per-packet one-way delay: 106.640 ms
Loss rate: 7.49%
-- Flow 1:
Average throughput: 94.35 Mbit/s
95th percentile per-packet one-way delay: 106.640 ms
Loss rate: 7.49%
```

Run 2: Report of Indigo-MusesC5 — Data Link

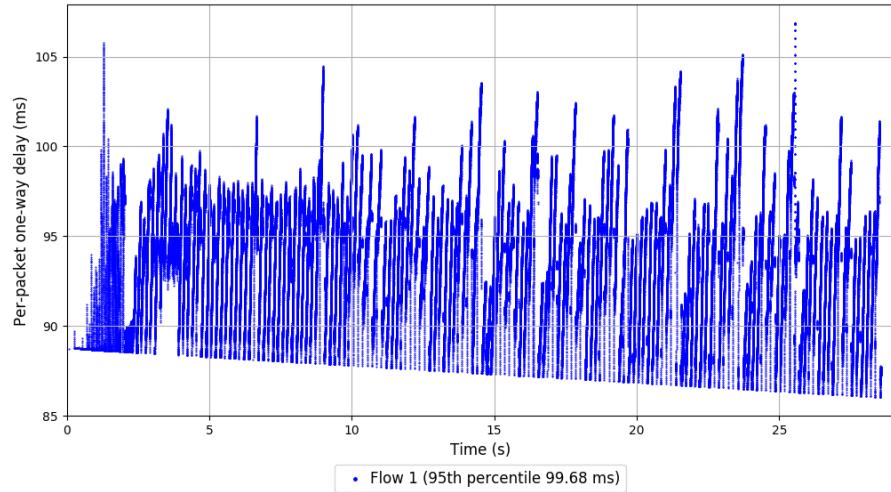
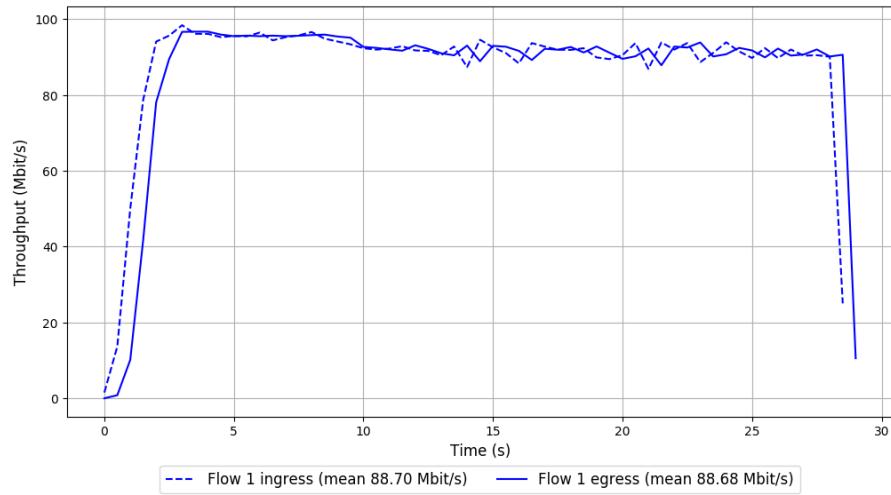


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-10-03 08:17:40
End at: 2019-10-03 08:18:10
Local clock offset: -6.622 ms
Remote clock offset: -100.265 ms

# Below is generated by plot.py at 2019-10-03 09:24:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.68 Mbit/s
95th percentile per-packet one-way delay: 99.677 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 88.68 Mbit/s
95th percentile per-packet one-way delay: 99.677 ms
Loss rate: 0.60%
```

Run 3: Report of Indigo-MusesC5 — Data Link

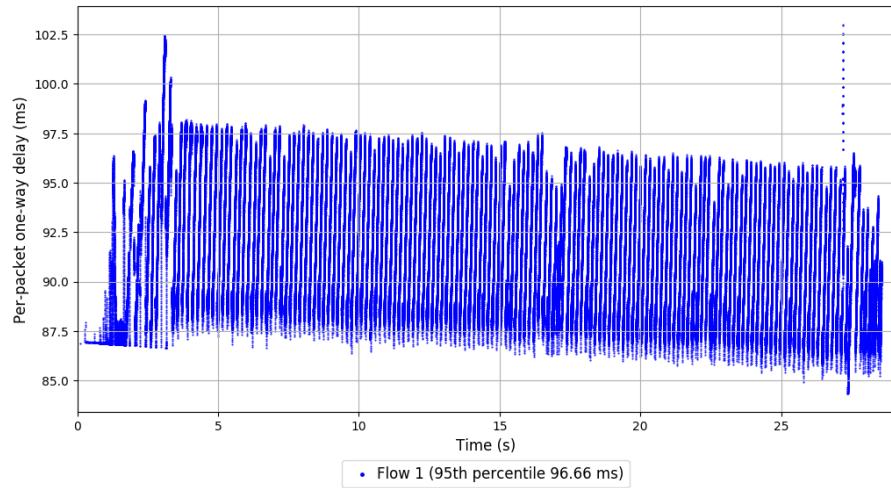
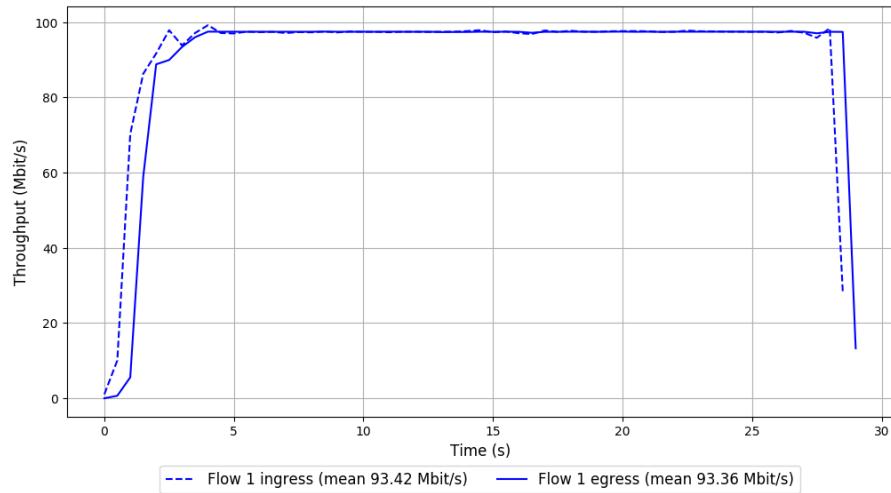


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-10-03 08:46:01
End at: 2019-10-03 08:46:31
Local clock offset: -6.755 ms
Remote clock offset: -262.088 ms

# Below is generated by plot.py at 2019-10-03 09:24:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 96.660 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 93.36 Mbit/s
95th percentile per-packet one-way delay: 96.660 ms
Loss rate: 0.63%
```

Run 4: Report of Indigo-MusesC5 — Data Link

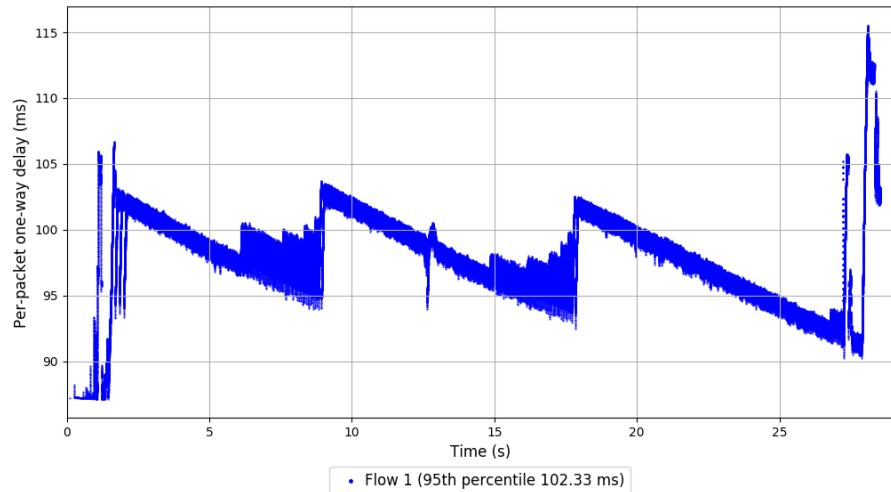
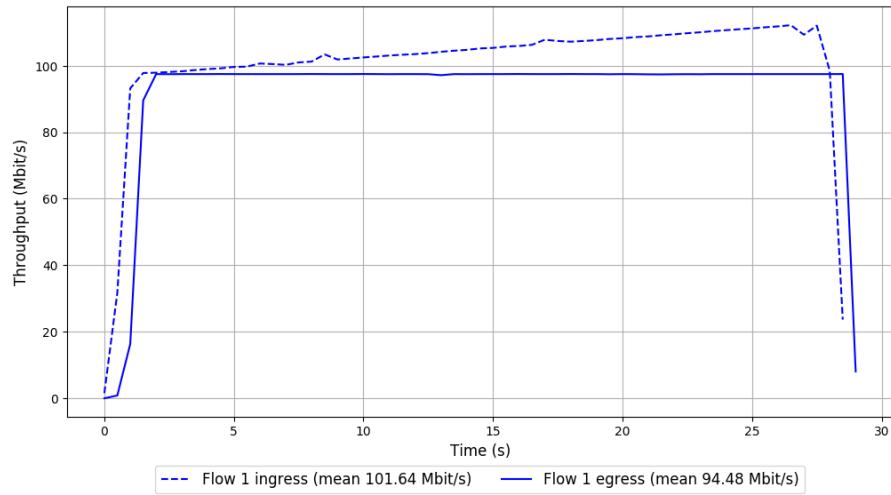


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-10-03 09:14:22
End at: 2019-10-03 09:14:52
Local clock offset: -5.872 ms
Remote clock offset: -424.813 ms

# Below is generated by plot.py at 2019-10-03 09:24:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.48 Mbit/s
95th percentile per-packet one-way delay: 102.330 ms
Loss rate: 7.57%
-- Flow 1:
Average throughput: 94.48 Mbit/s
95th percentile per-packet one-way delay: 102.330 ms
Loss rate: 7.57%
```

Run 5: Report of Indigo-MusesC5 — Data Link

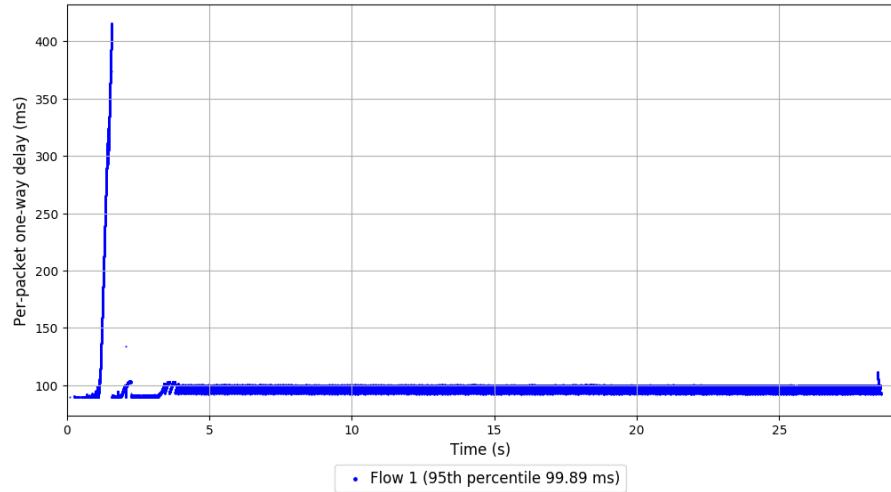
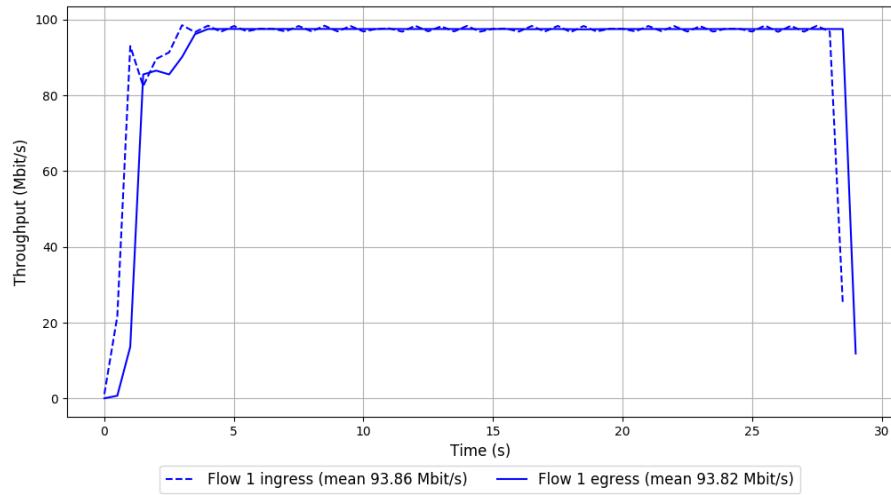


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-10-03 07:01:55
End at: 2019-10-03 07:02:25
Local clock offset: -6.156 ms
Remote clock offset: -264.747 ms

# Below is generated by plot.py at 2019-10-03 09:24:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.82 Mbit/s
95th percentile per-packet one-way delay: 99.891 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 93.82 Mbit/s
95th percentile per-packet one-way delay: 99.891 ms
Loss rate: 0.60%
```

Run 1: Report of Indigo-MusesD — Data Link

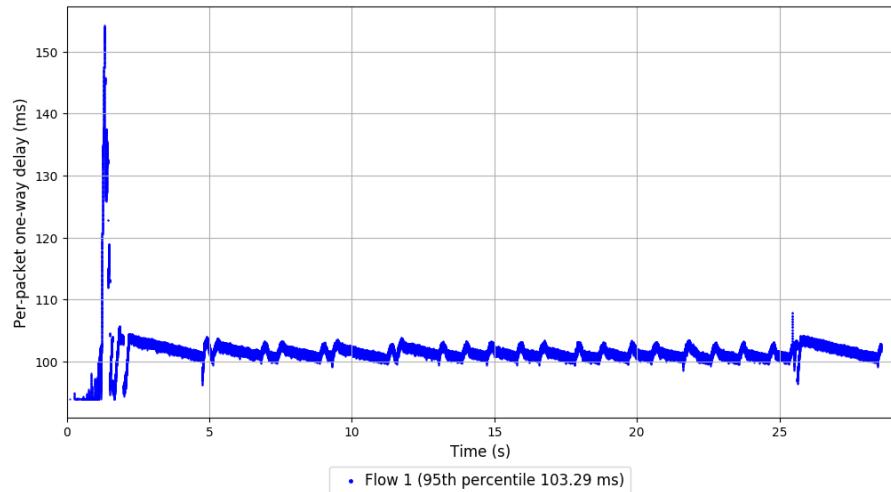
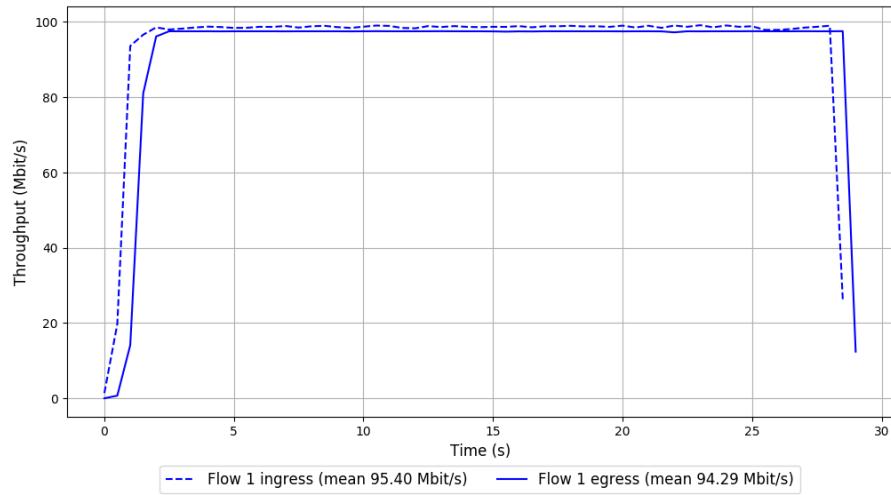


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-10-03 07:30:16
End at: 2019-10-03 07:30:46
Local clock offset: -5.99 ms
Remote clock offset: -284.393 ms

# Below is generated by plot.py at 2019-10-03 09:24:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.29 Mbit/s
95th percentile per-packet one-way delay: 103.289 ms
Loss rate: 1.73%
-- Flow 1:
Average throughput: 94.29 Mbit/s
95th percentile per-packet one-way delay: 103.289 ms
Loss rate: 1.73%
```

Run 2: Report of Indigo-MusesD — Data Link

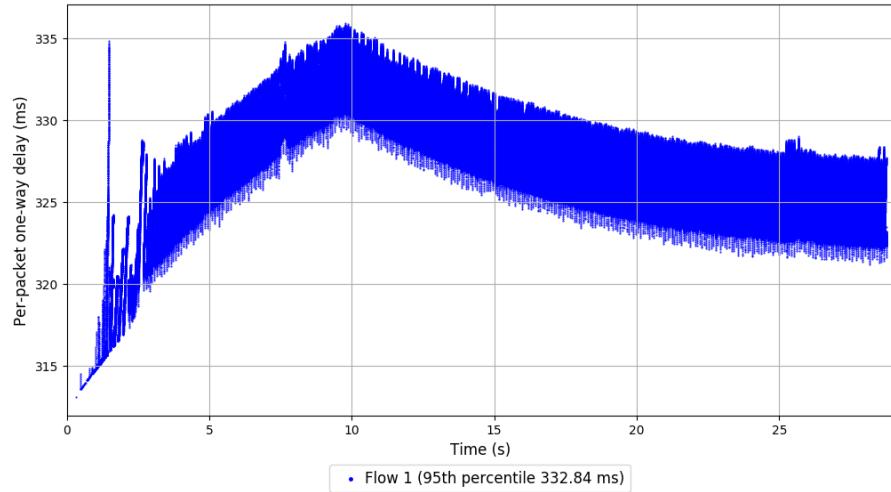
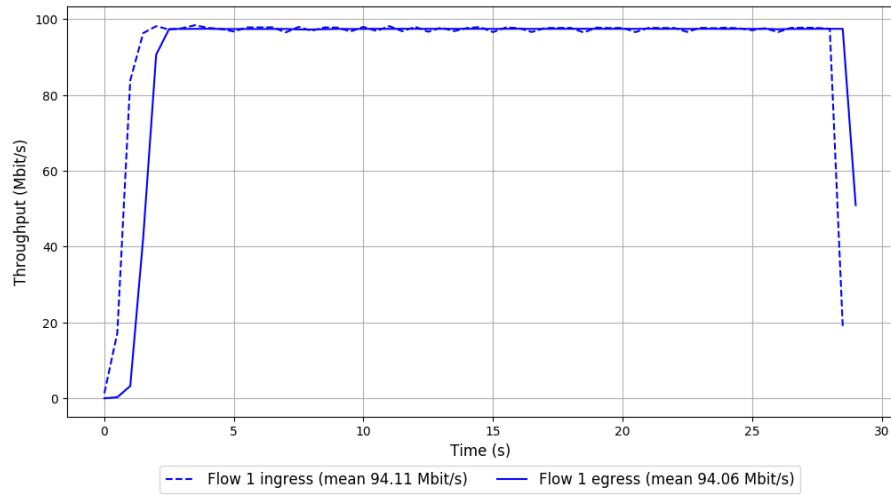


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-10-03 07:58:40
End at: 2019-10-03 07:59:10
Local clock offset: -6.611 ms
Remote clock offset: -224.643 ms

# Below is generated by plot.py at 2019-10-03 09:24:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.06 Mbit/s
95th percentile per-packet one-way delay: 332.836 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 94.06 Mbit/s
95th percentile per-packet one-way delay: 332.836 ms
Loss rate: 0.59%
```

Run 3: Report of Indigo-MusesD — Data Link

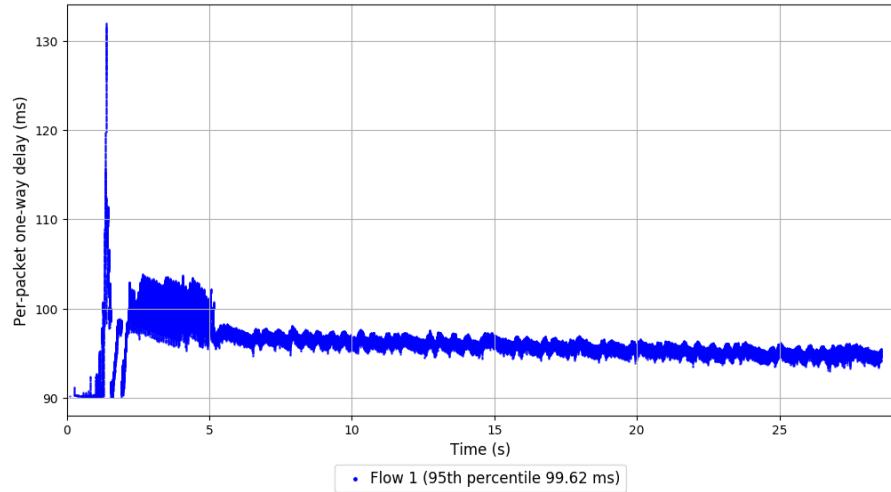
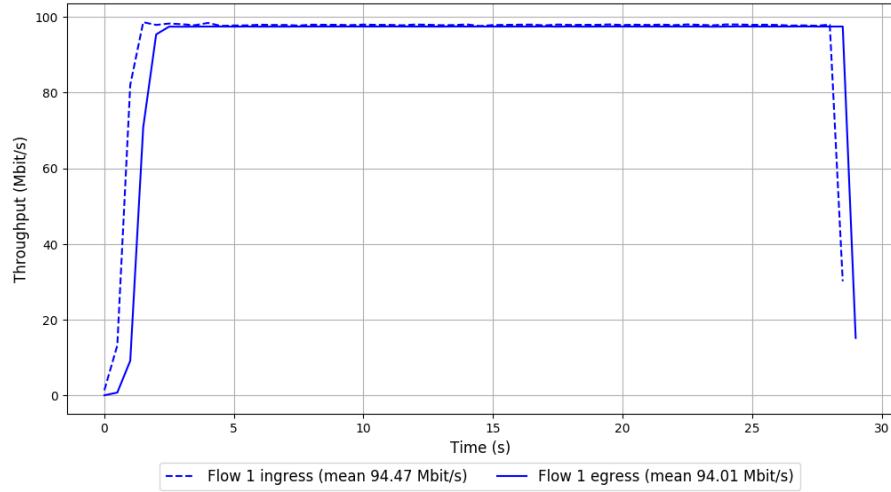


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-10-03 08:27:04
End at: 2019-10-03 08:27:34
Local clock offset: -6.655 ms
Remote clock offset: -152.409 ms

# Below is generated by plot.py at 2019-10-03 09:24:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 99.619 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 99.619 ms
Loss rate: 1.06%
```

Run 4: Report of Indigo-MusesD — Data Link

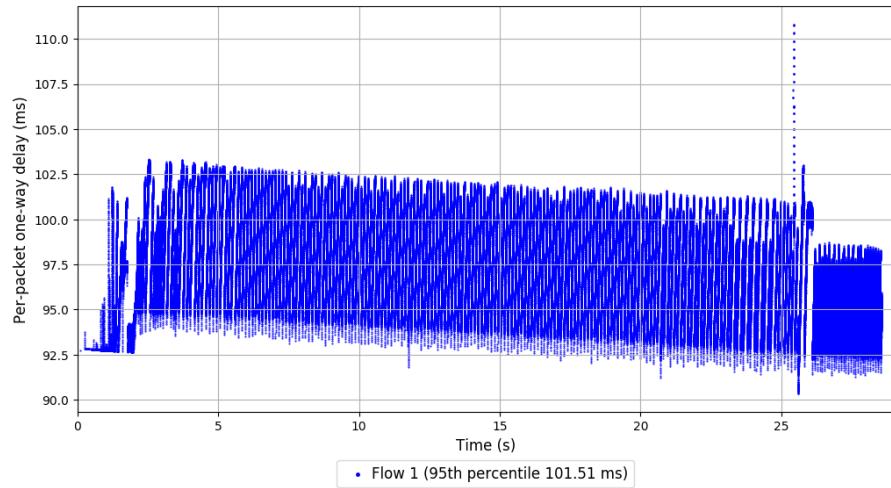
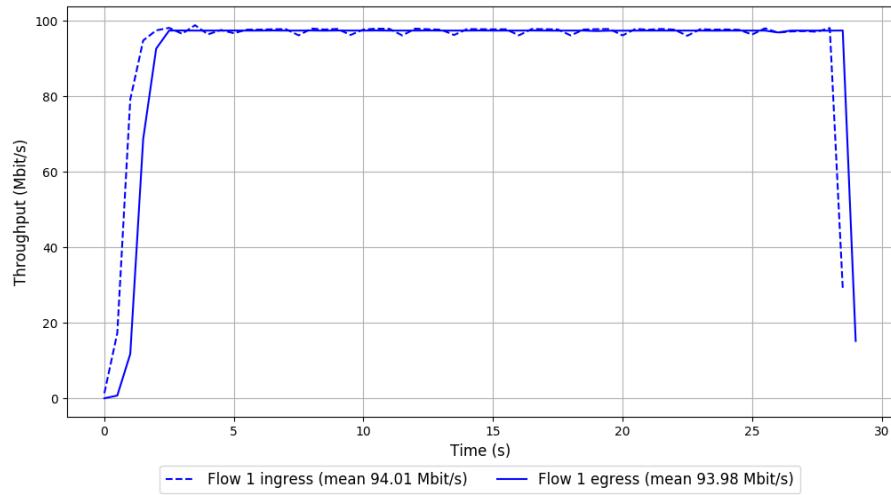


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-10-03 08:55:26
End at: 2019-10-03 08:55:56
Local clock offset: -6.77 ms
Remote clock offset: -318.755 ms

# Below is generated by plot.py at 2019-10-03 09:24:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 101.507 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 93.98 Mbit/s
95th percentile per-packet one-way delay: 101.507 ms
Loss rate: 0.61%
```

Run 5: Report of Indigo-MusesD — Data Link

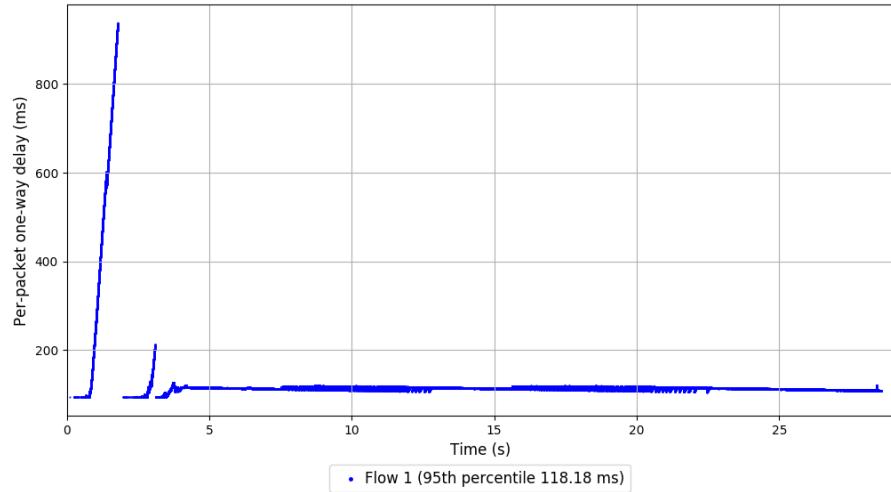
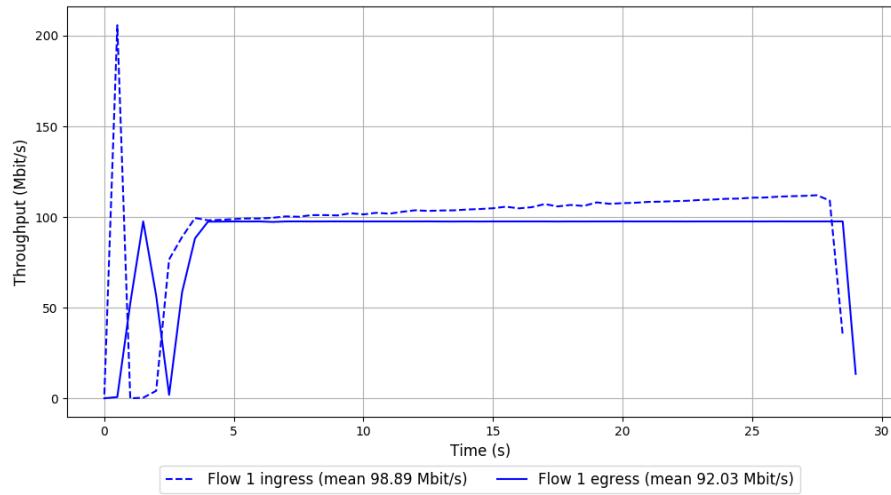


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-10-03 07:03:06
End at: 2019-10-03 07:03:36
Local clock offset: -6.083 ms
Remote clock offset: -265.465 ms

# Below is generated by plot.py at 2019-10-03 09:25:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.03 Mbit/s
95th percentile per-packet one-way delay: 118.180 ms
Loss rate: 7.47%
-- Flow 1:
Average throughput: 92.03 Mbit/s
95th percentile per-packet one-way delay: 118.180 ms
Loss rate: 7.47%
```

Run 1: Report of Indigo-MusesT — Data Link

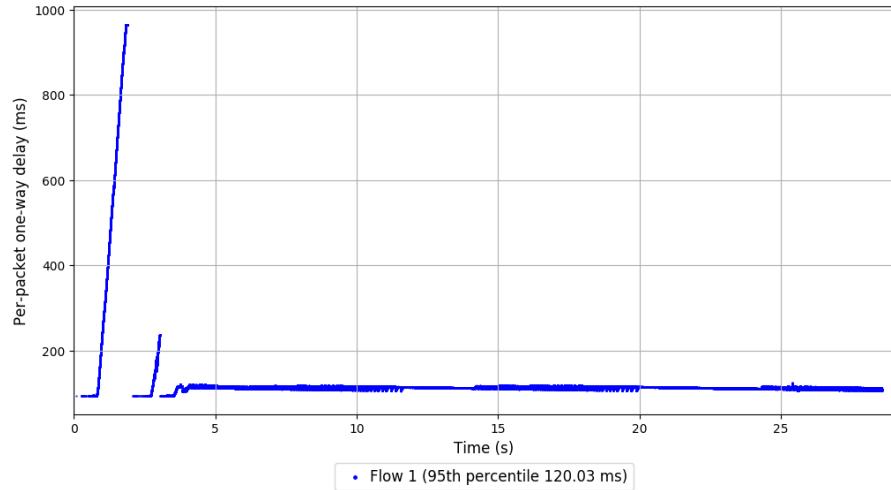
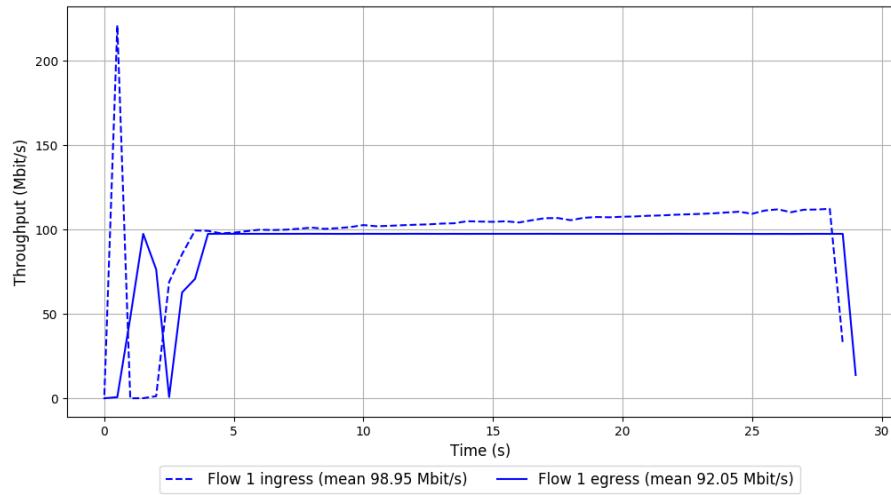


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-10-03 07:31:28
End at: 2019-10-03 07:31:58
Local clock offset: -6.061 ms
Remote clock offset: -285.46 ms

# Below is generated by plot.py at 2019-10-03 09:25:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.05 Mbit/s
95th percentile per-packet one-way delay: 120.029 ms
Loss rate: 7.50%
-- Flow 1:
Average throughput: 92.05 Mbit/s
95th percentile per-packet one-way delay: 120.029 ms
Loss rate: 7.50%
```

Run 2: Report of Indigo-MusesT — Data Link

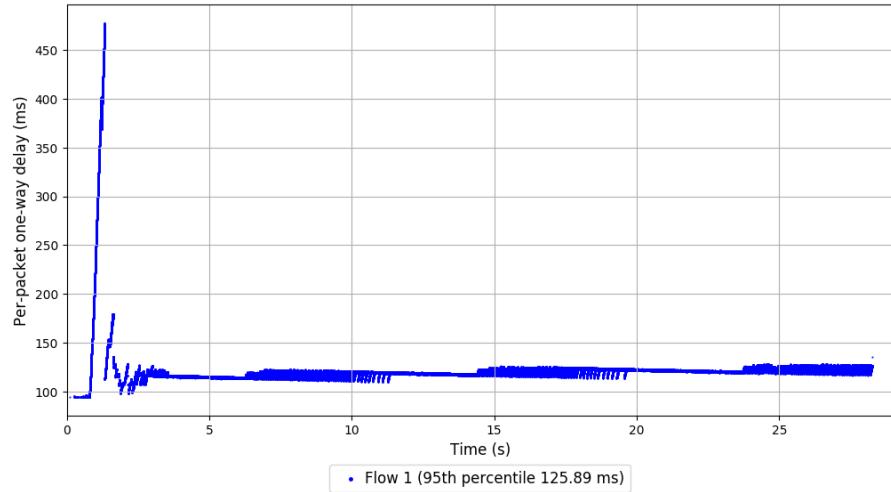
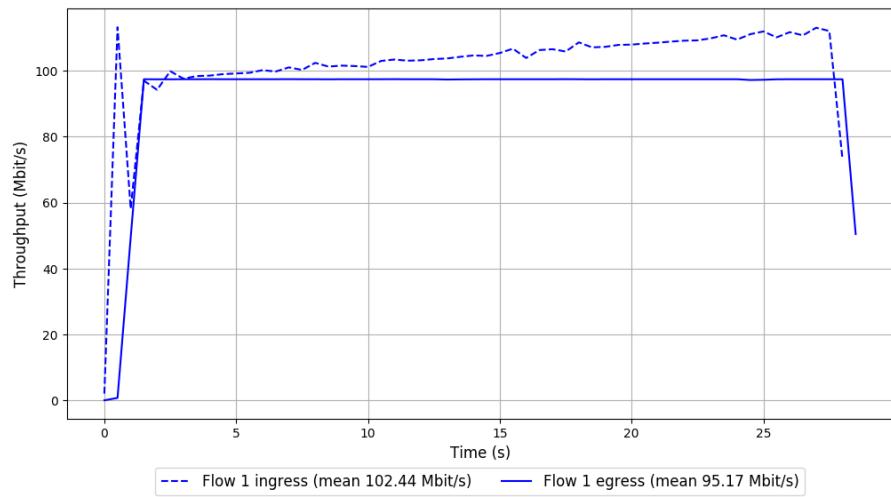


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-10-03 07:59:51
End at: 2019-10-03 08:00:21
Local clock offset: -6.605 ms
Remote clock offset: 10.741 ms

# Below is generated by plot.py at 2019-10-03 09:25:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.17 Mbit/s
95th percentile per-packet one-way delay: 125.887 ms
Loss rate: 7.57%
-- Flow 1:
Average throughput: 95.17 Mbit/s
95th percentile per-packet one-way delay: 125.887 ms
Loss rate: 7.57%
```

Run 3: Report of Indigo-MusesT — Data Link

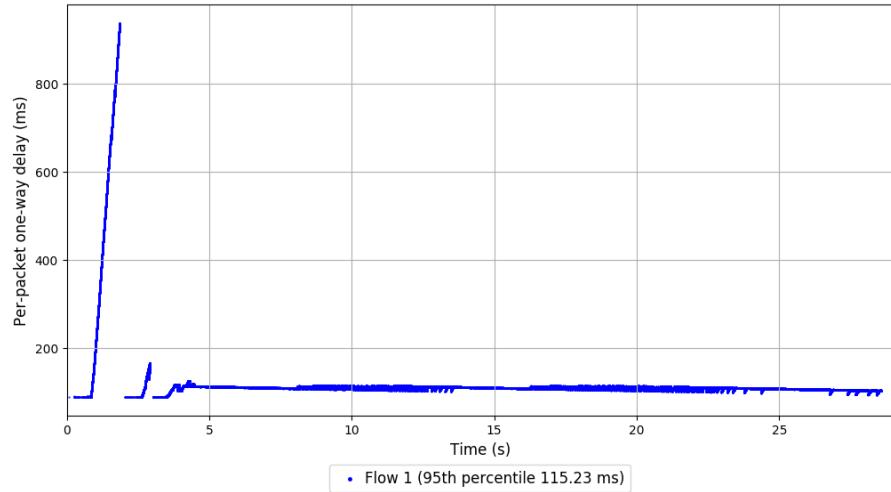
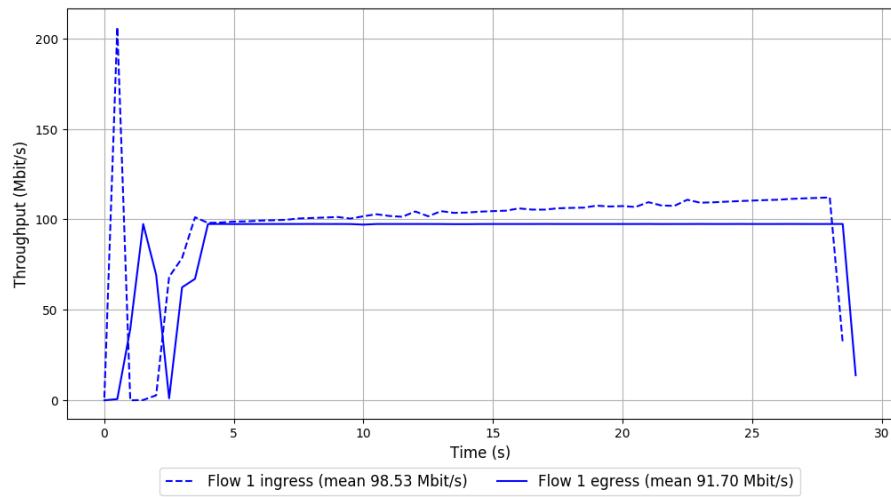


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-10-03 08:28:16
End at: 2019-10-03 08:28:46
Local clock offset: -6.653 ms
Remote clock offset: -161.044 ms

# Below is generated by plot.py at 2019-10-03 09:25:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.70 Mbit/s
95th percentile per-packet one-way delay: 115.226 ms
Loss rate: 7.45%
-- Flow 1:
Average throughput: 91.70 Mbit/s
95th percentile per-packet one-way delay: 115.226 ms
Loss rate: 7.45%
```

Run 4: Report of Indigo-MusesT — Data Link

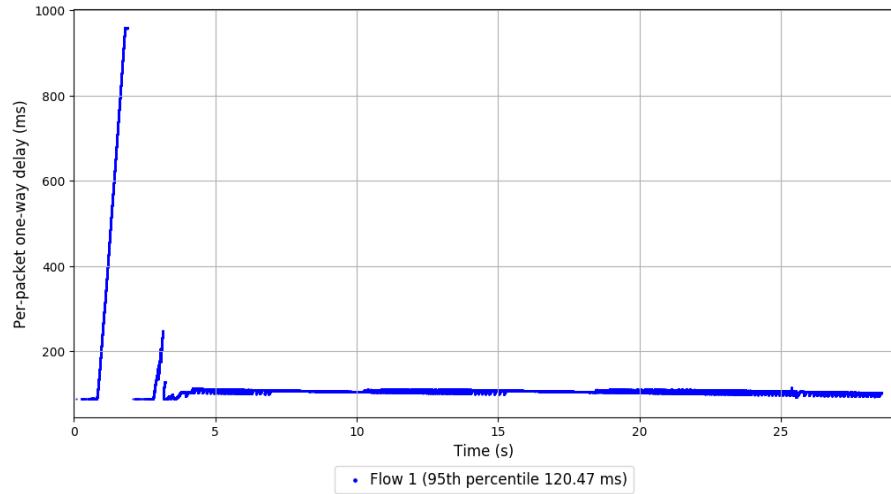
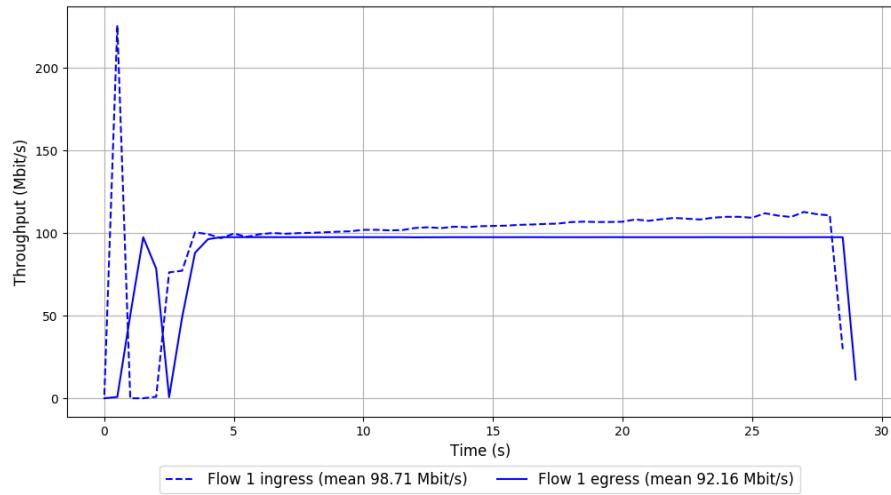


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-10-03 08:56:38
End at: 2019-10-03 08:57:08
Local clock offset: -6.607 ms
Remote clock offset: -324.143 ms

# Below is generated by plot.py at 2019-10-03 09:25:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.16 Mbit/s
95th percentile per-packet one-way delay: 120.469 ms
Loss rate: 7.17%
-- Flow 1:
Average throughput: 92.16 Mbit/s
95th percentile per-packet one-way delay: 120.469 ms
Loss rate: 7.17%
```

Run 5: Report of Indigo-MusesT — Data Link

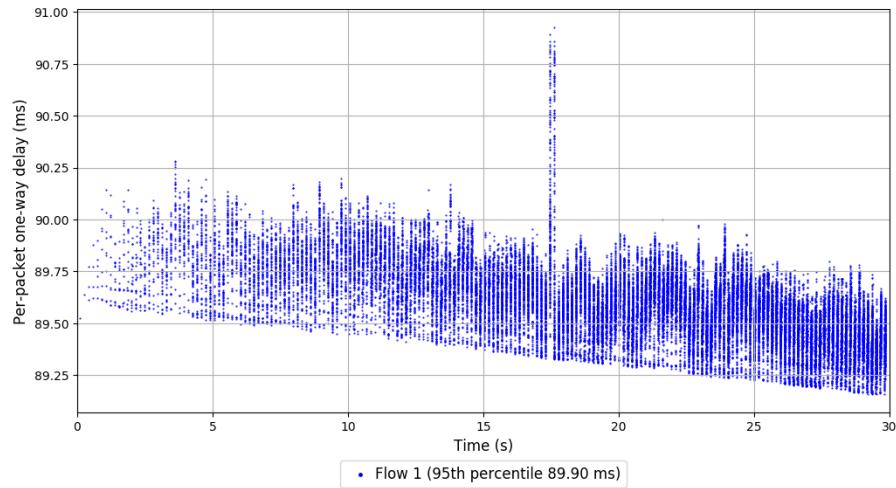
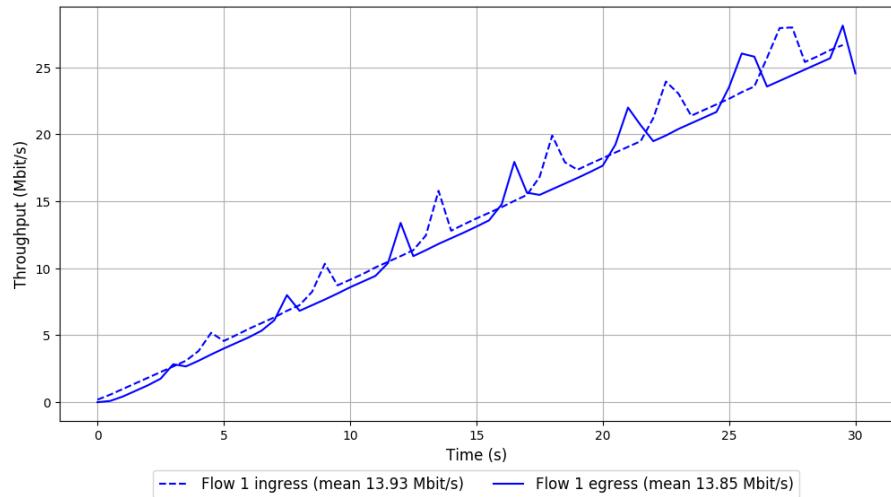


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2019-10-03 06:56:02
End at: 2019-10-03 06:56:33
Local clock offset: -6.872 ms
Remote clock offset: -260.565 ms

# Below is generated by plot.py at 2019-10-03 09:25:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.85 Mbit/s
95th percentile per-packet one-way delay: 89.903 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 13.85 Mbit/s
95th percentile per-packet one-way delay: 89.903 ms
Loss rate: 1.07%
```

Run 1: Report of LEDBAT — Data Link

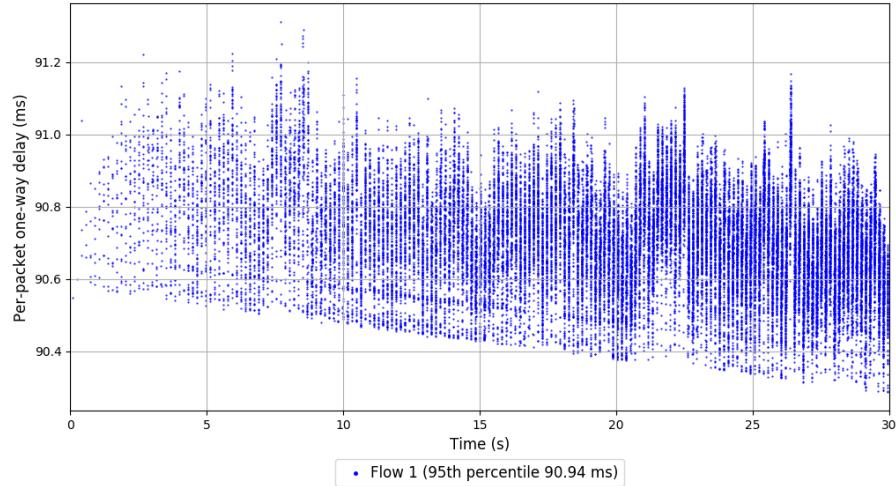
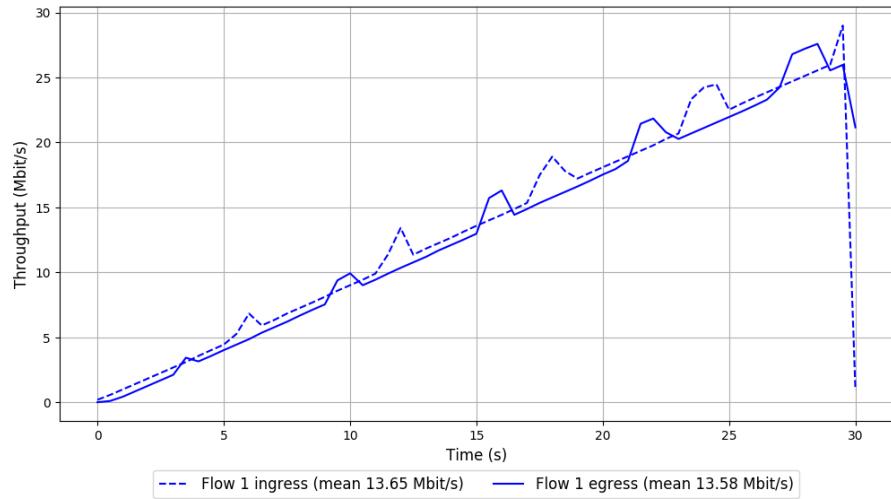


Run 2: Statistics of LEDBAT

```
Start at: 2019-10-03 07:24:24
End at: 2019-10-03 07:24:55
Local clock offset: -5.496 ms
Remote clock offset: -280.336 ms

# Below is generated by plot.py at 2019-10-03 09:25:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.58 Mbit/s
95th percentile per-packet one-way delay: 90.943 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 13.58 Mbit/s
95th percentile per-packet one-way delay: 90.943 ms
Loss rate: 1.07%
```

Run 2: Report of LEDBAT — Data Link

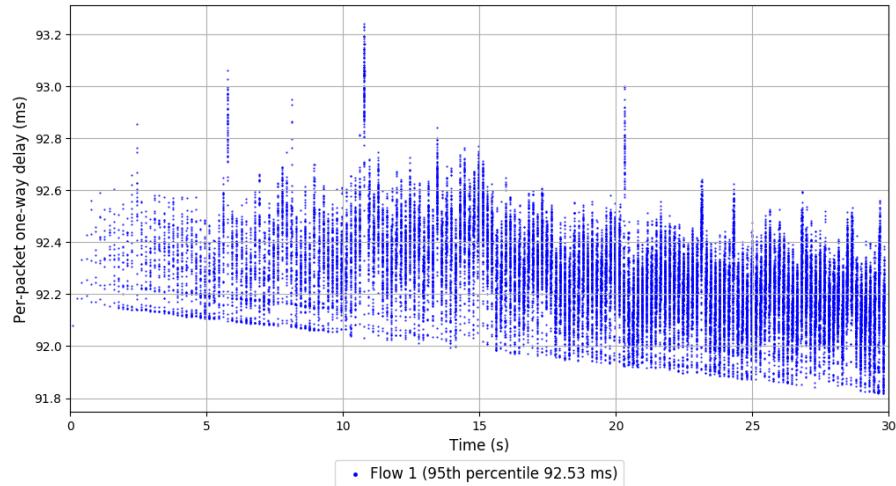
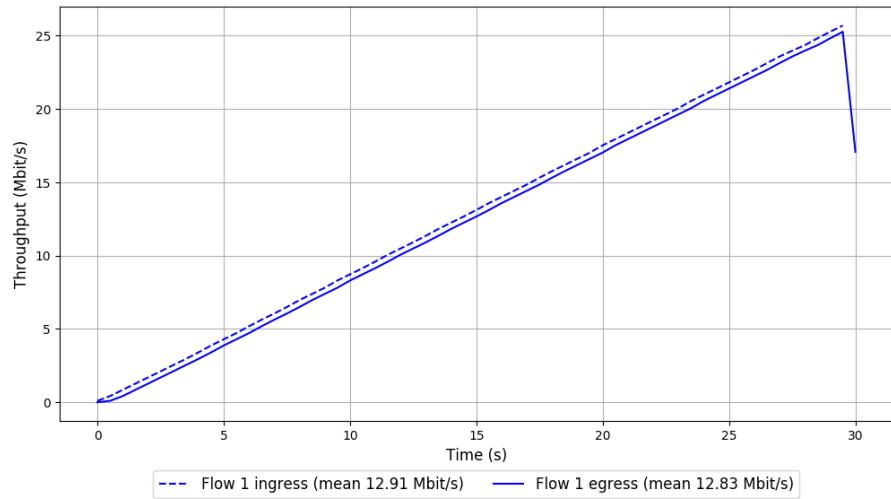


Run 3: Statistics of LEDBAT

```
Start at: 2019-10-03 07:52:47
End at: 2019-10-03 07:53:17
Local clock offset: -6.722 ms
Remote clock offset: -298.546 ms

# Below is generated by plot.py at 2019-10-03 09:25:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.83 Mbit/s
95th percentile per-packet one-way delay: 92.526 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 12.83 Mbit/s
95th percentile per-packet one-way delay: 92.526 ms
Loss rate: 1.12%
```

Run 3: Report of LEDBAT — Data Link

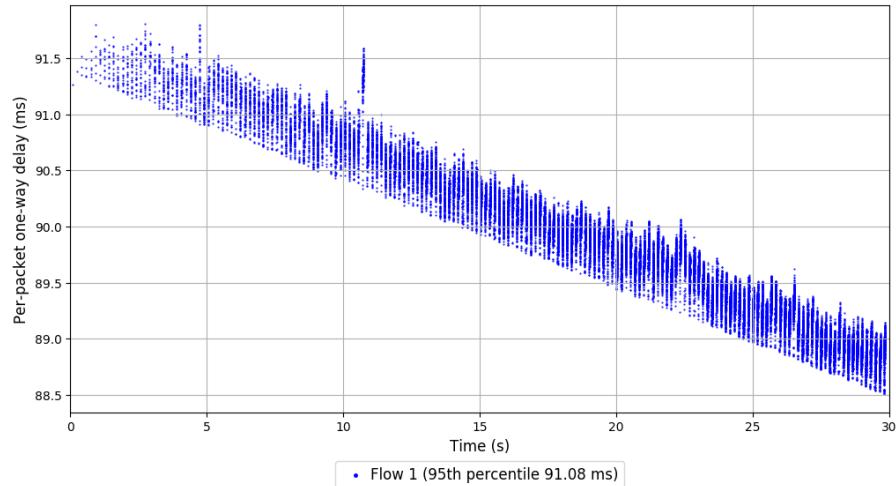
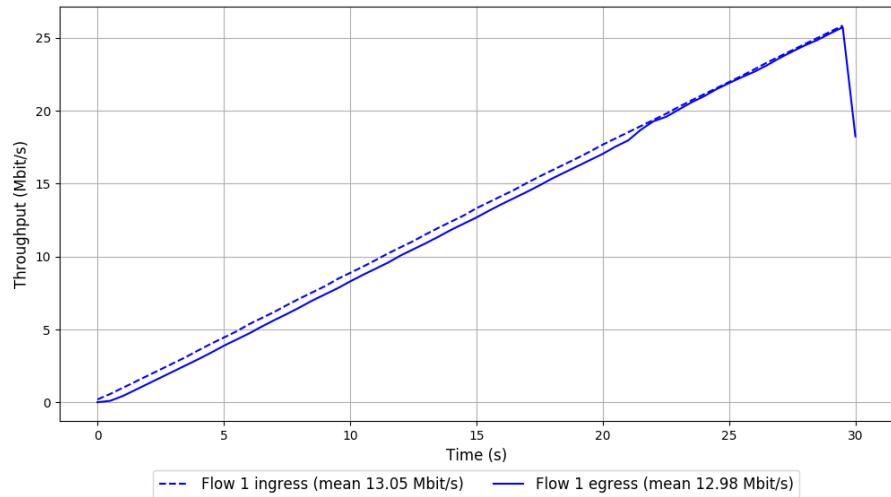


Run 4: Statistics of LEDBAT

```
Start at: 2019-10-03 08:21:13
End at: 2019-10-03 08:21:43
Local clock offset: -6.635 ms
Remote clock offset: -119.22 ms

# Below is generated by plot.py at 2019-10-03 09:25:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.98 Mbit/s
95th percentile per-packet one-way delay: 91.082 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 12.98 Mbit/s
95th percentile per-packet one-way delay: 91.082 ms
Loss rate: 1.11%
```

Run 4: Report of LEDBAT — Data Link

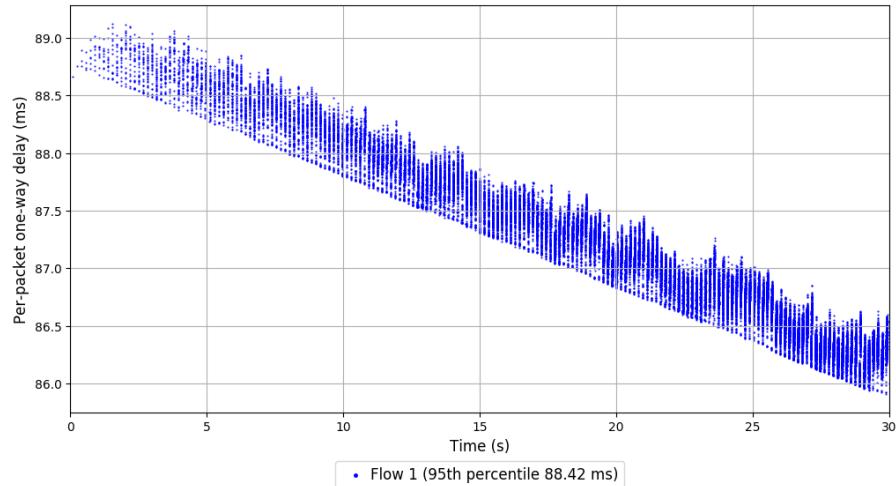
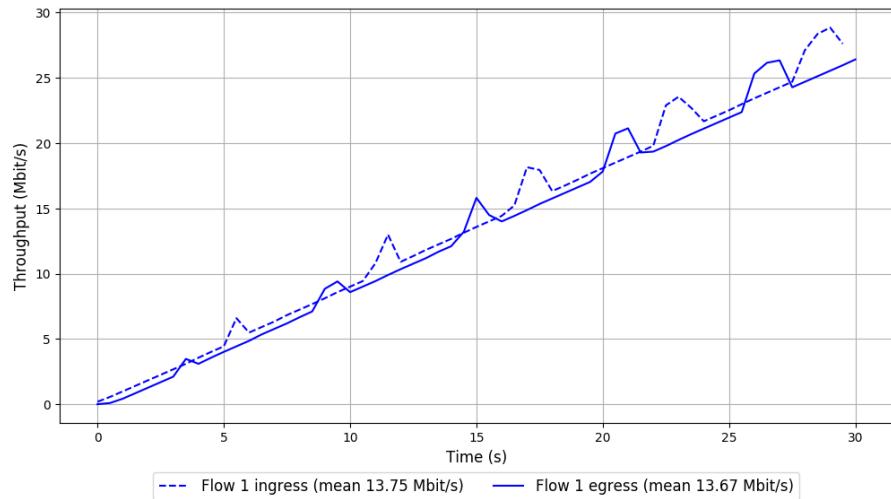


Run 5: Statistics of LEDBAT

```
Start at: 2019-10-03 08:49:34
End at: 2019-10-03 08:50:04
Local clock offset: -6.755 ms
Remote clock offset: -283.219 ms

# Below is generated by plot.py at 2019-10-03 09:25:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.67 Mbit/s
95th percentile per-packet one-way delay: 88.416 ms
Loss rate: 1.08%
-- Flow 1:
Average throughput: 13.67 Mbit/s
95th percentile per-packet one-way delay: 88.416 ms
Loss rate: 1.08%
```

Run 5: Report of LEDBAT — Data Link

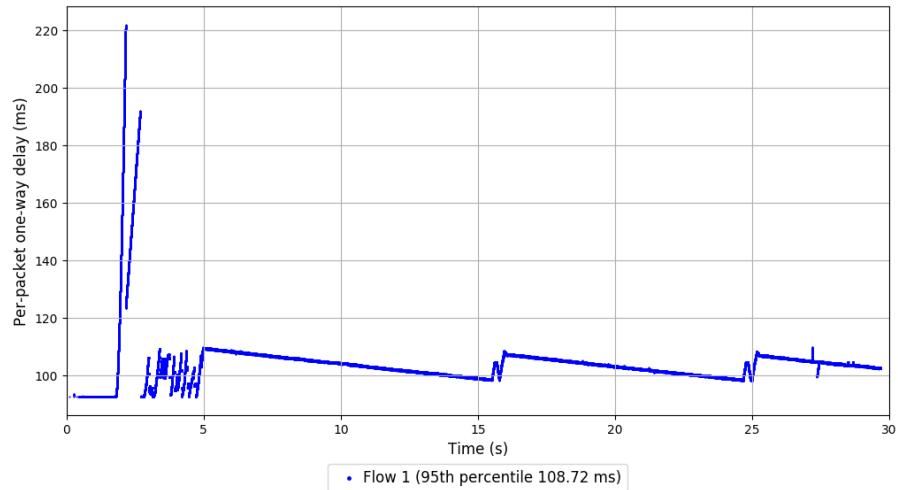
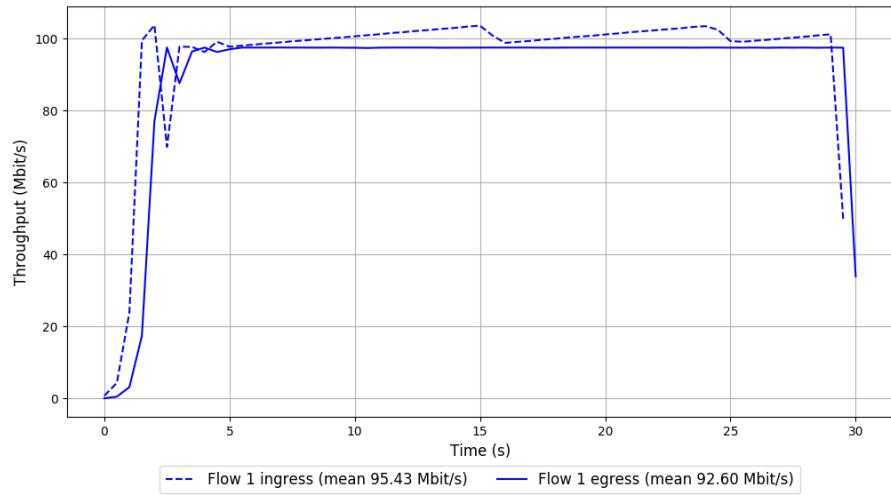


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-10-03 07:23:13
End at: 2019-10-03 07:23:43
Local clock offset: -5.447 ms
Remote clock offset: -277.94 ms

# Below is generated by plot.py at 2019-10-03 09:26:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 108.723 ms
Loss rate: 3.49%
-- Flow 1:
Average throughput: 92.60 Mbit/s
95th percentile per-packet one-way delay: 108.723 ms
Loss rate: 3.49%
```

Run 1: Report of Muses_DecisionTree — Data Link

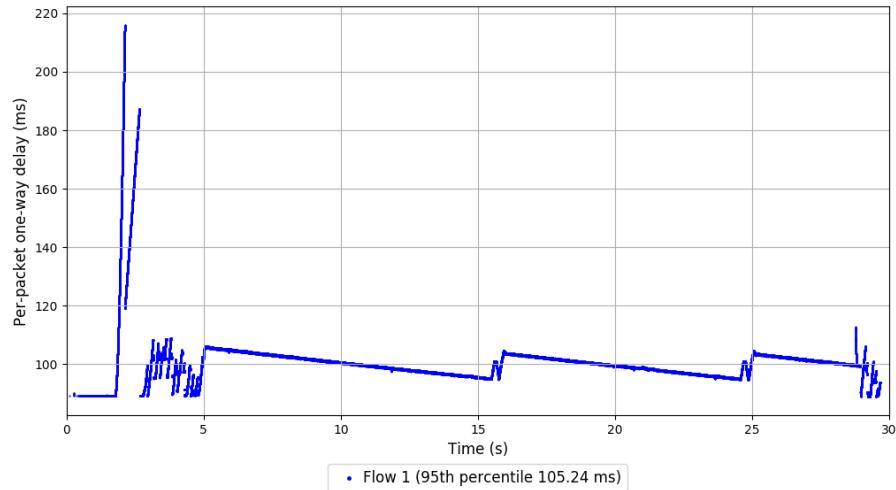
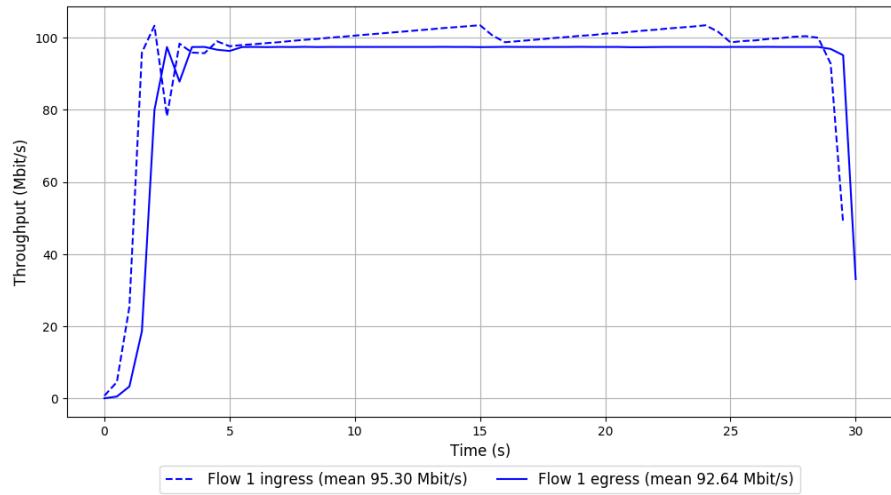


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-10-03 07:51:35
End at: 2019-10-03 07:52:06
Local clock offset: -6.653 ms
Remote clock offset: -297.741 ms

# Below is generated by plot.py at 2019-10-03 09:26:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 105.243 ms
Loss rate: 3.32%
-- Flow 1:
Average throughput: 92.64 Mbit/s
95th percentile per-packet one-way delay: 105.243 ms
Loss rate: 3.32%
```

Run 2: Report of Muses_DecisionTree — Data Link

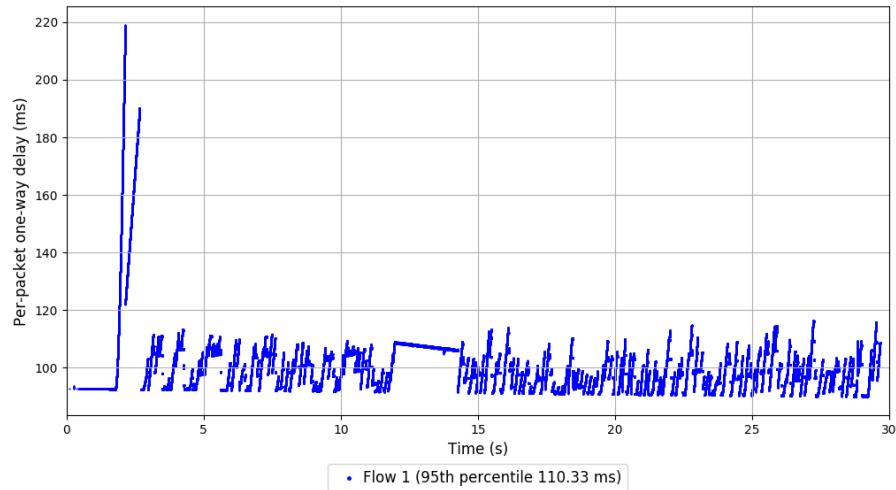
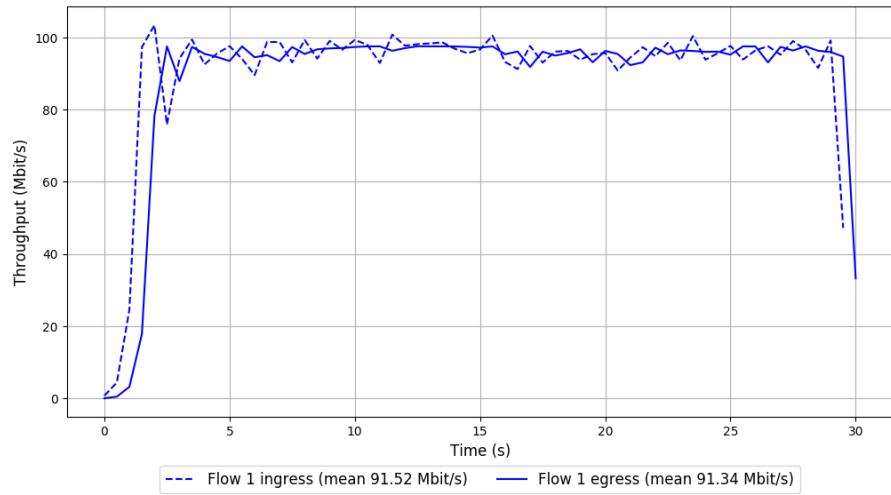


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-10-03 08:20:01
End at: 2019-10-03 08:20:31
Local clock offset: -6.619 ms
Remote clock offset: -114.045 ms

# Below is generated by plot.py at 2019-10-03 09:26:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.34 Mbit/s
95th percentile per-packet one-way delay: 110.335 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 91.34 Mbit/s
95th percentile per-packet one-way delay: 110.335 ms
Loss rate: 0.76%
```

Run 3: Report of Muses_DecisionTree — Data Link

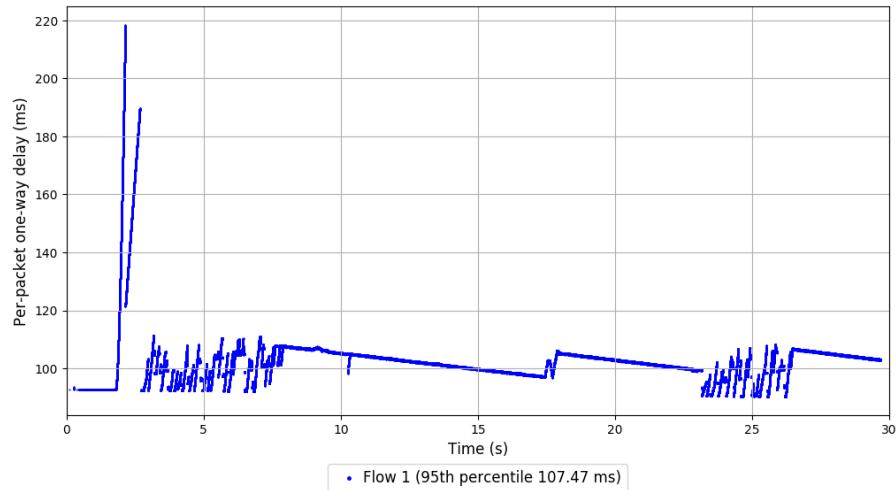
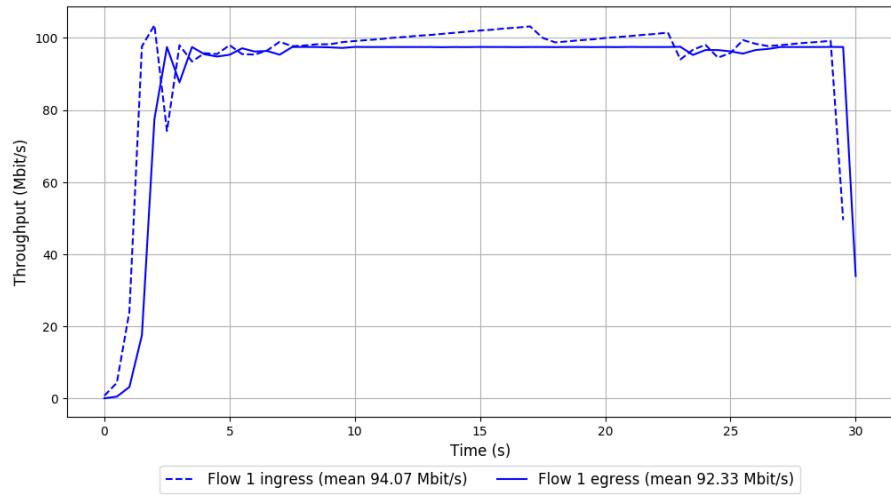


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-10-03 08:48:22
End at: 2019-10-03 08:48:52
Local clock offset: -6.81 ms
Remote clock offset: -276.918 ms

# Below is generated by plot.py at 2019-10-03 09:26:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 107.466 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 92.33 Mbit/s
95th percentile per-packet one-way delay: 107.466 ms
Loss rate: 2.40%
```

Run 4: Report of Muses_DecisionTree — Data Link

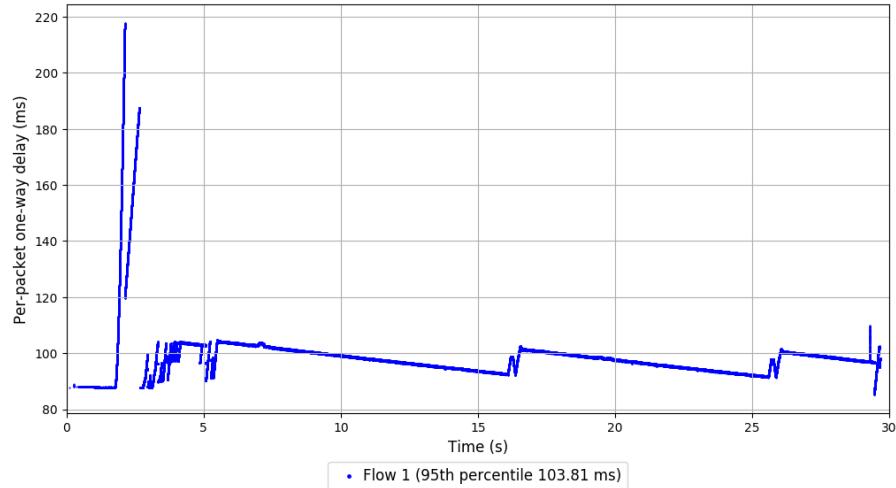
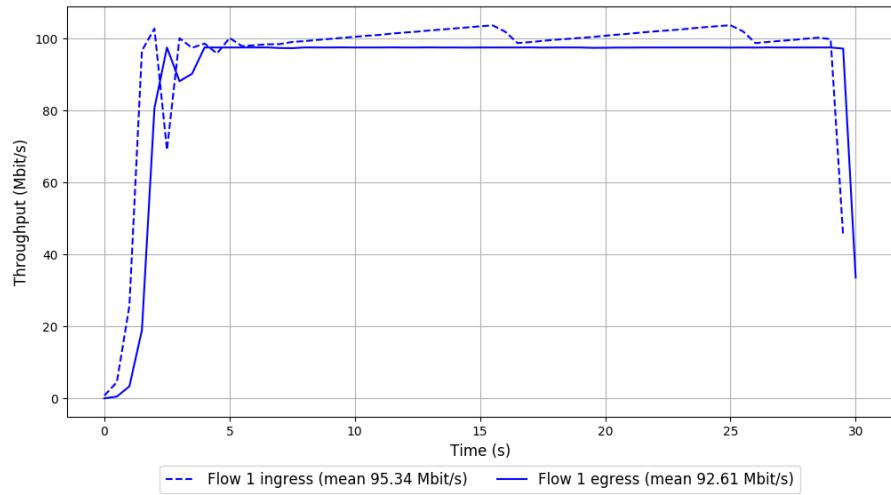


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-10-03 09:16:44
End at: 2019-10-03 09:17:15
Local clock offset: -5.844 ms
Remote clock offset: -438.702 ms

# Below is generated by plot.py at 2019-10-03 09:26:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.61 Mbit/s
95th percentile per-packet one-way delay: 103.810 ms
Loss rate: 3.40%
-- Flow 1:
Average throughput: 92.61 Mbit/s
95th percentile per-packet one-way delay: 103.810 ms
Loss rate: 3.40%
```

Run 5: Report of Muses_DecisionTree — Data Link

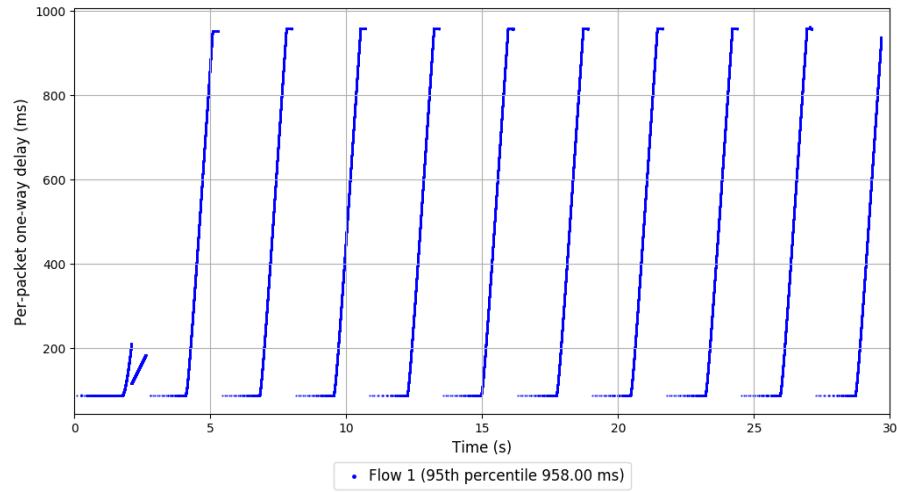
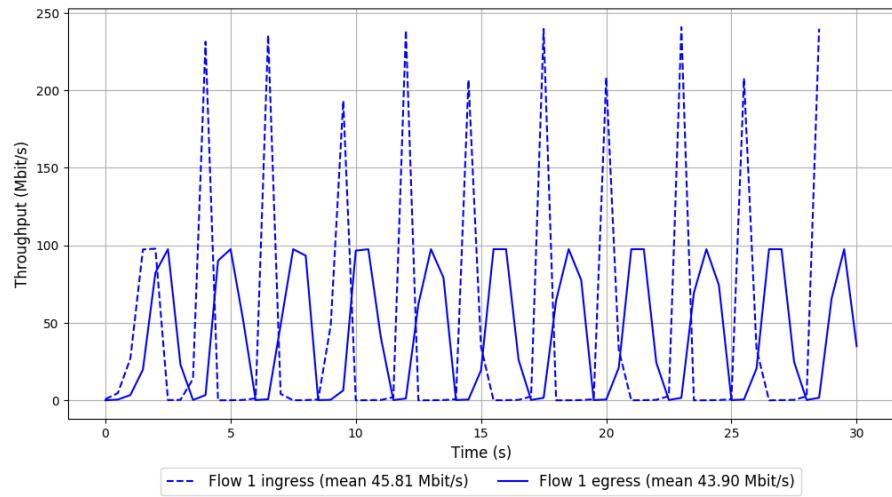


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-10-03 07:11:25
End at: 2019-10-03 07:11:55
Local clock offset: -5.671 ms
Remote clock offset: -269.765 ms

# Below is generated by plot.py at 2019-10-03 09:26:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.90 Mbit/s
95th percentile per-packet one-way delay: 958.003 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 43.90 Mbit/s
95th percentile per-packet one-way delay: 958.003 ms
Loss rate: 2.00%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

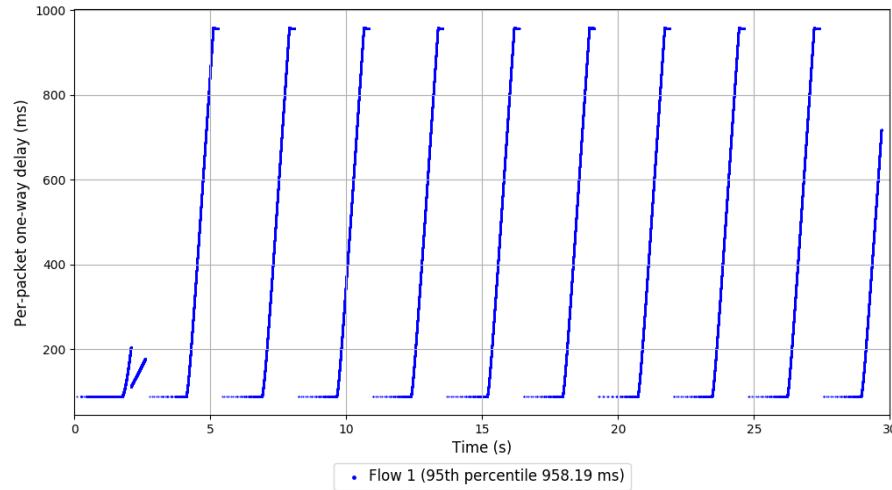
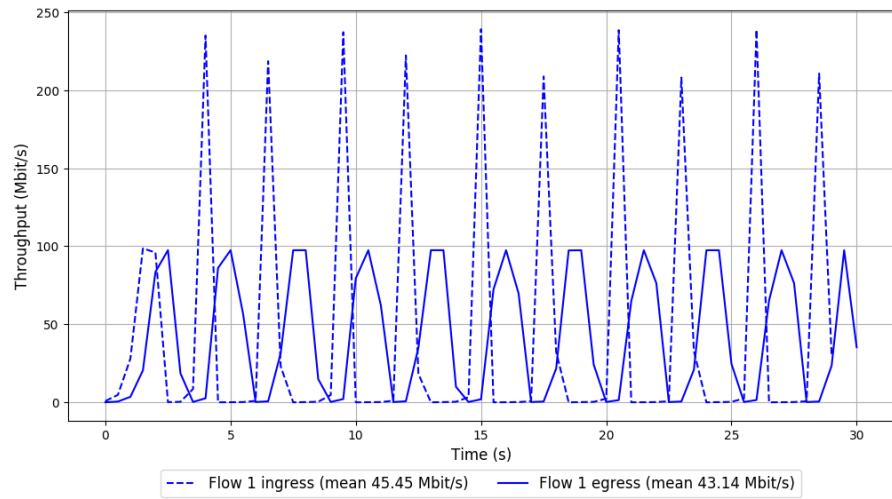


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-10-03 07:39:47
End at: 2019-10-03 07:40:17
Local clock offset: -6.411 ms
Remote clock offset: -289.431 ms

# Below is generated by plot.py at 2019-10-03 09:26:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.14 Mbit/s
95th percentile per-packet one-way delay: 958.192 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 43.14 Mbit/s
95th percentile per-packet one-way delay: 958.192 ms
Loss rate: 3.66%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

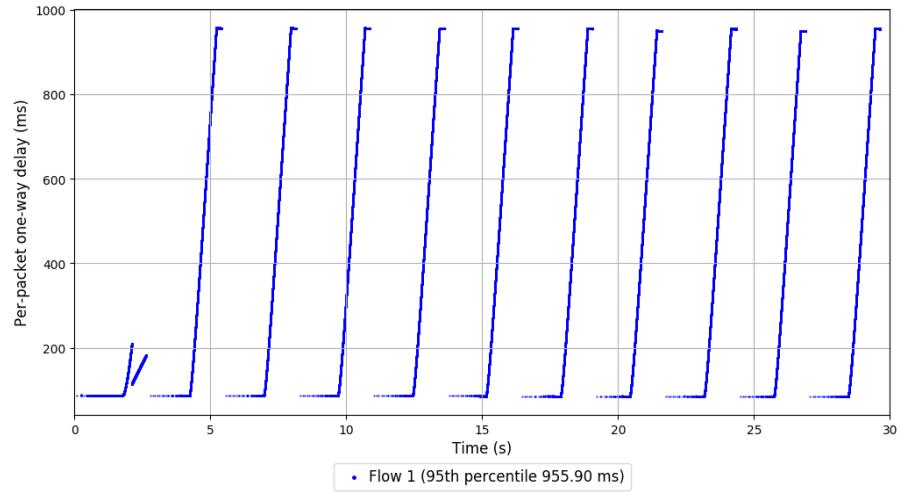
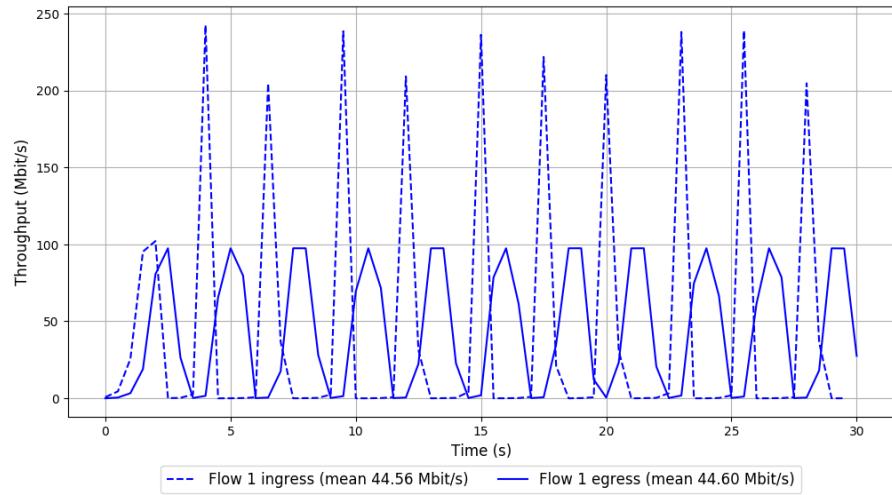


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-10-03 08:08:10
End at: 2019-10-03 08:08:40
Local clock offset: -6.585 ms
Remote clock offset: -43.949 ms

# Below is generated by plot.py at 2019-10-03 09:26:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.60 Mbit/s
95th percentile per-packet one-way delay: 955.904 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 44.60 Mbit/s
95th percentile per-packet one-way delay: 955.904 ms
Loss rate: 0.48%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

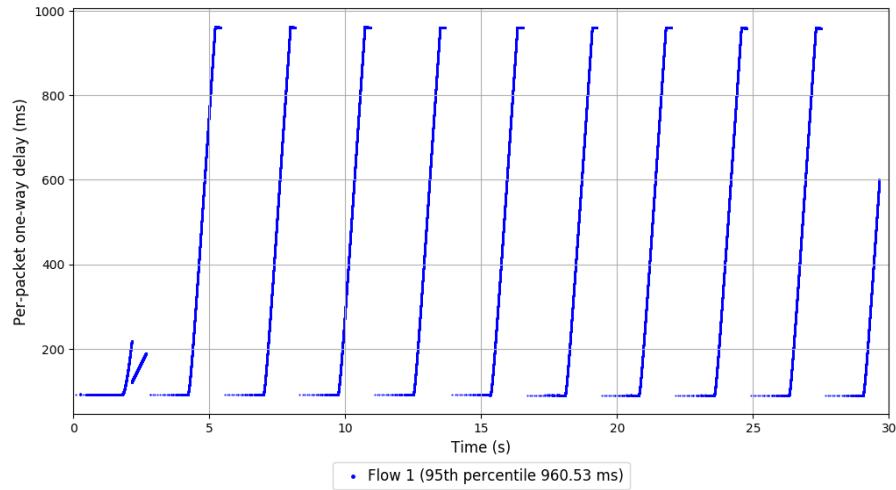
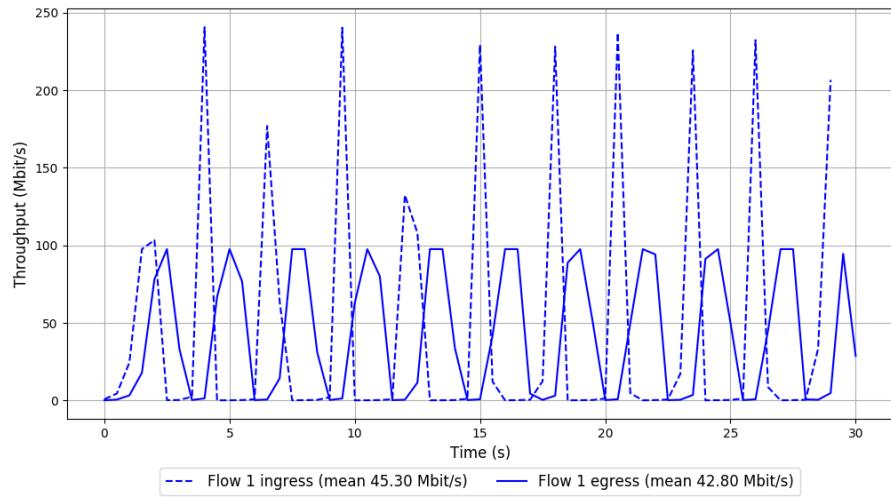


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-10-03 08:36:35
End at: 2019-10-03 08:37:05
Local clock offset: -6.703 ms
Remote clock offset: -208.534 ms

# Below is generated by plot.py at 2019-10-03 09:26:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.80 Mbit/s
95th percentile per-packet one-way delay: 960.535 ms
Loss rate: 4.55%
-- Flow 1:
Average throughput: 42.80 Mbit/s
95th percentile per-packet one-way delay: 960.535 ms
Loss rate: 4.55%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

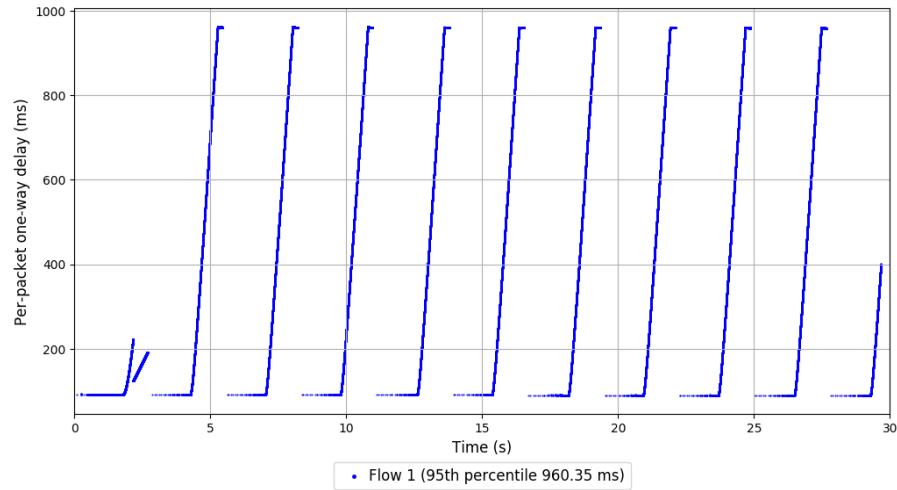
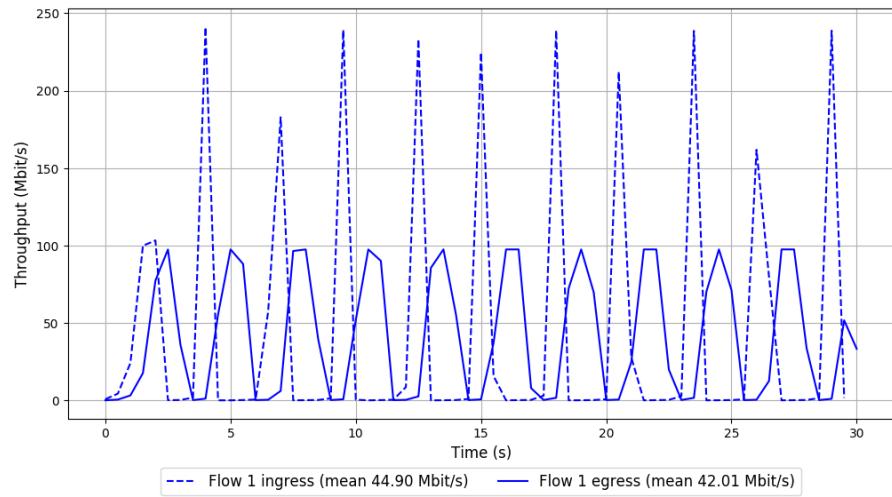


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-10-03 09:04:56
End at: 2019-10-03 09:05:26
Local clock offset: -6.179 ms
Remote clock offset: -371.627 ms

# Below is generated by plot.py at 2019-10-03 09:26:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.01 Mbit/s
95th percentile per-packet one-way delay: 960.354 ms
Loss rate: 6.21%
-- Flow 1:
Average throughput: 42.01 Mbit/s
95th percentile per-packet one-way delay: 960.354 ms
Loss rate: 6.21%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

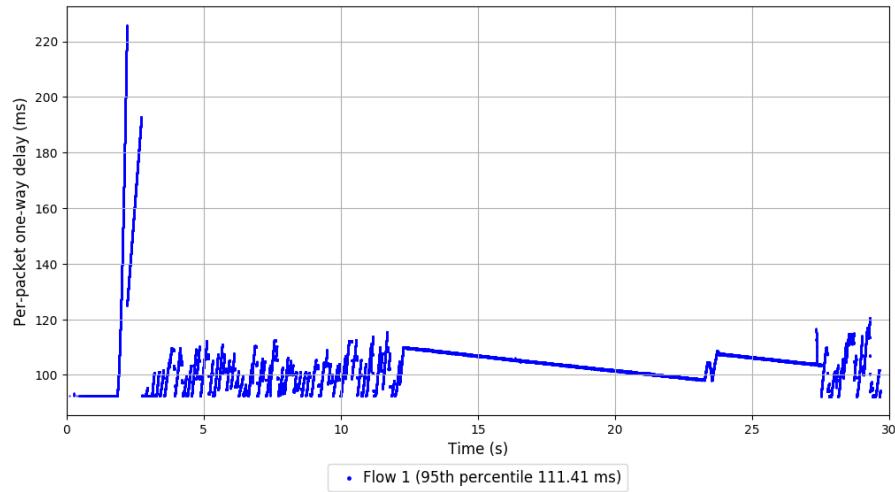
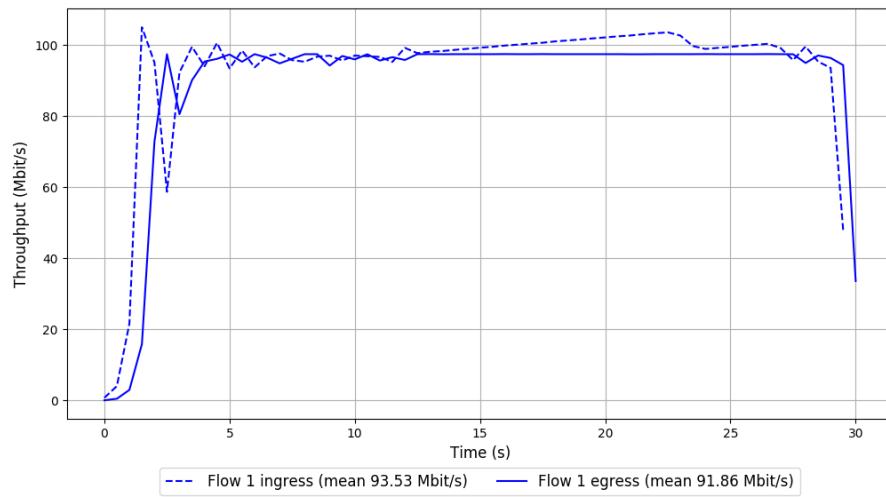


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-10-03 07:16:08
End at: 2019-10-03 07:16:38
Local clock offset: -5.563 ms
Remote clock offset: -272.969 ms

# Below is generated by plot.py at 2019-10-03 09:27:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.86 Mbit/s
95th percentile per-packet one-way delay: 111.407 ms
Loss rate: 2.34%
-- Flow 1:
Average throughput: 91.86 Mbit/s
95th percentile per-packet one-way delay: 111.407 ms
Loss rate: 2.34%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

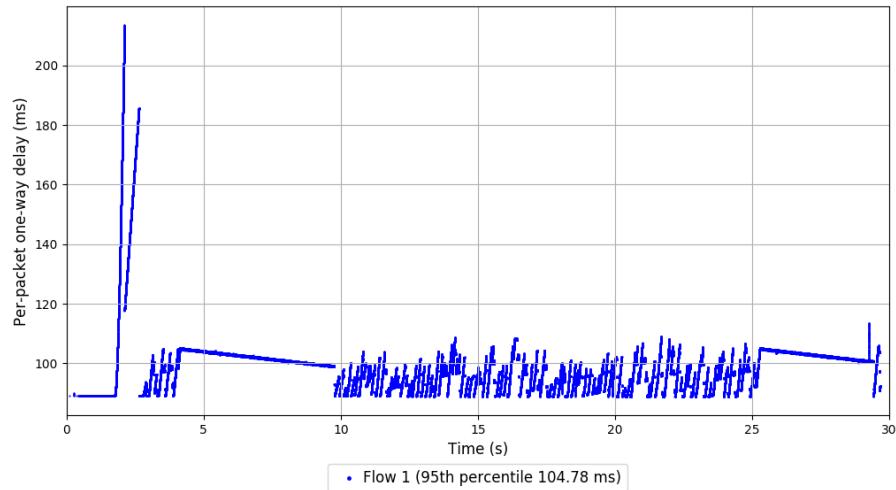
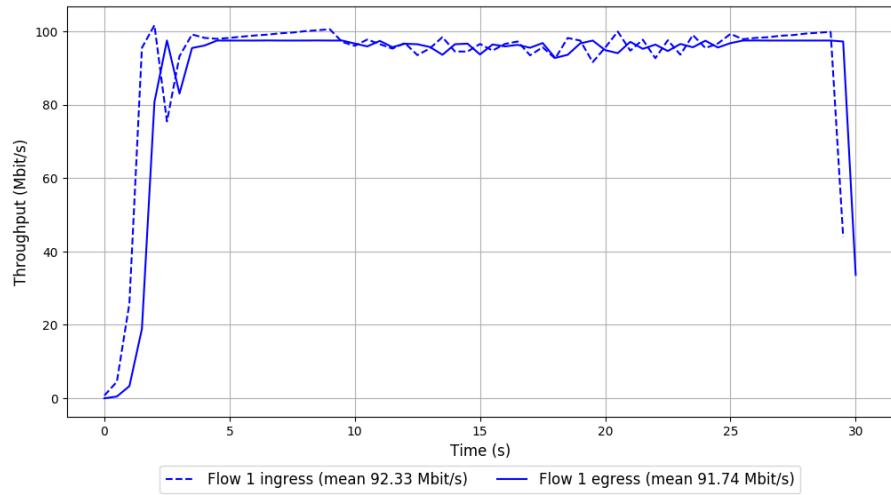


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-10-03 07:44:30
End at: 2019-10-03 07:45:00
Local clock offset: -6.582 ms
Remote clock offset: -292.792 ms

# Below is generated by plot.py at 2019-10-03 09:27:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 104.784 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 91.74 Mbit/s
95th percentile per-packet one-way delay: 104.784 ms
Loss rate: 1.18%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

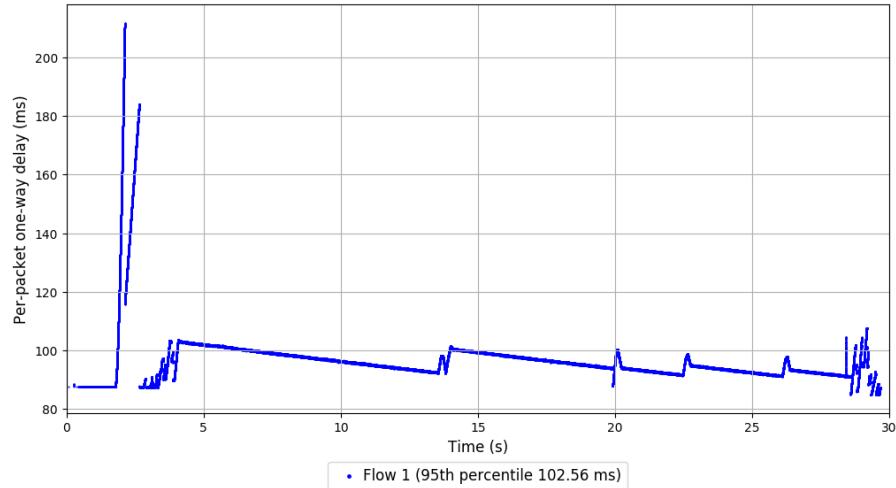
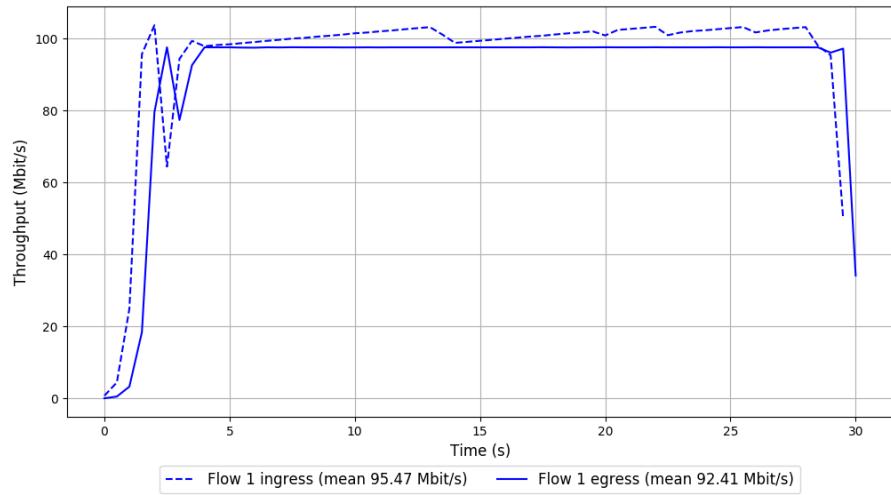


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-10-03 08:12:51
End at: 2019-10-03 08:13:21
Local clock offset: -6.594 ms
Remote clock offset: -71.161 ms

# Below is generated by plot.py at 2019-10-03 09:27:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 102.556 ms
Loss rate: 3.74%
-- Flow 1:
Average throughput: 92.41 Mbit/s
95th percentile per-packet one-way delay: 102.556 ms
Loss rate: 3.74%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

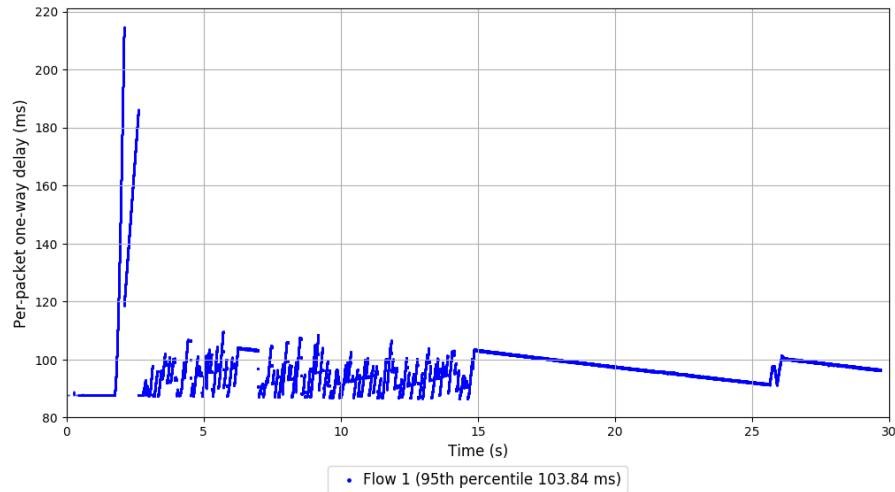
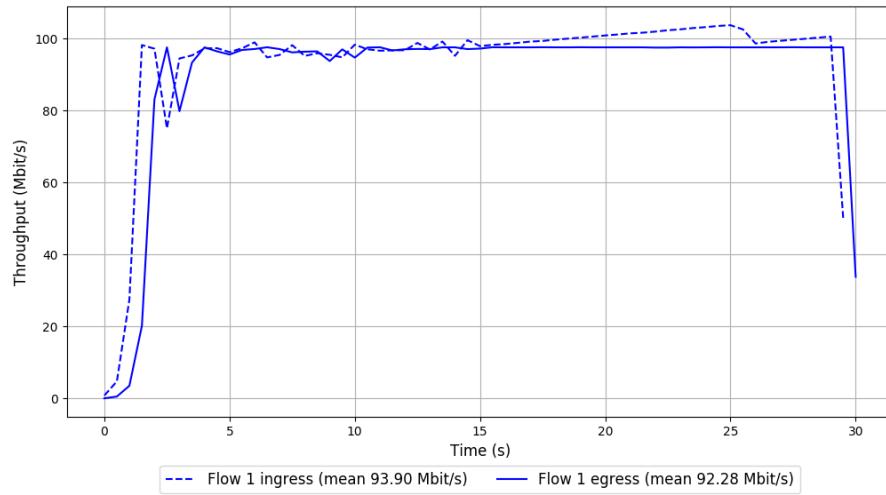


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-10-03 08:41:17
End at: 2019-10-03 08:41:47
Local clock offset: -6.718 ms
Remote clock offset: -235.112 ms

# Below is generated by plot.py at 2019-10-03 09:27:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.28 Mbit/s
95th percentile per-packet one-way delay: 103.836 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 92.28 Mbit/s
95th percentile per-packet one-way delay: 103.836 ms
Loss rate: 2.27%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

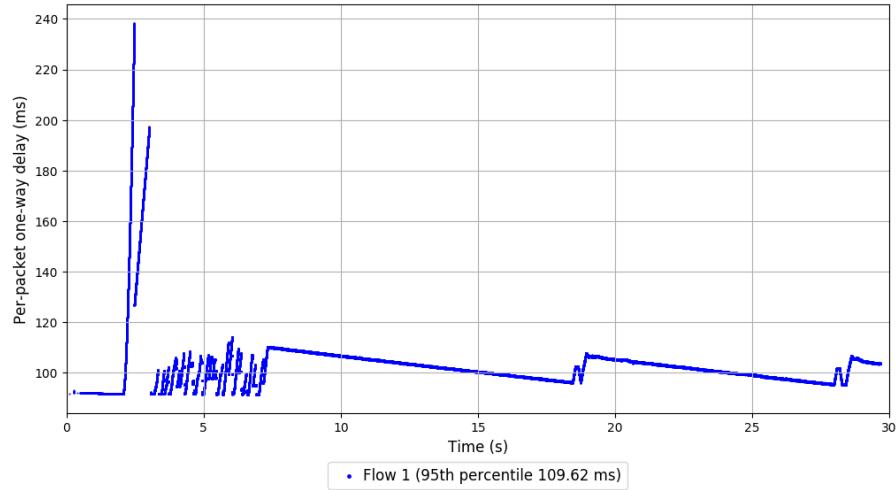
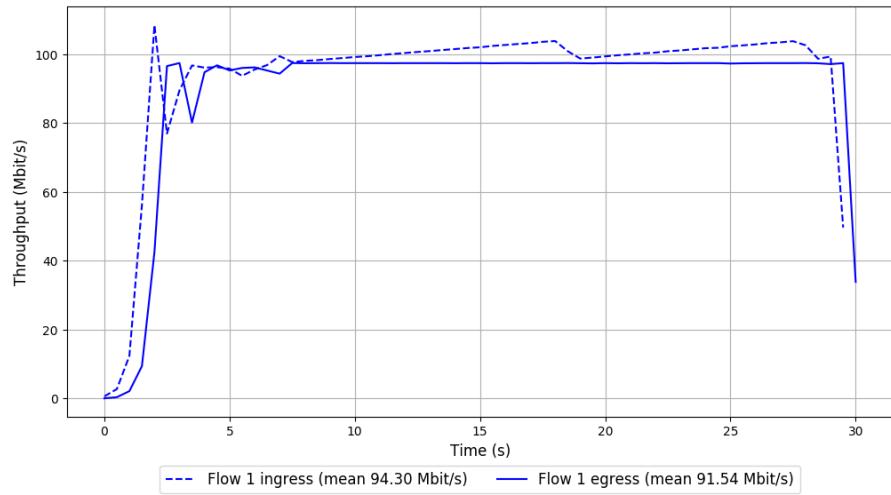


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-10-03 09:09:38
End at: 2019-10-03 09:10:08
Local clock offset: -6.022 ms
Remote clock offset: -398.856 ms

# Below is generated by plot.py at 2019-10-03 09:27:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.54 Mbit/s
95th percentile per-packet one-way delay: 109.622 ms
Loss rate: 3.47%
-- Flow 1:
Average throughput: 91.54 Mbit/s
95th percentile per-packet one-way delay: 109.622 ms
Loss rate: 3.47%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

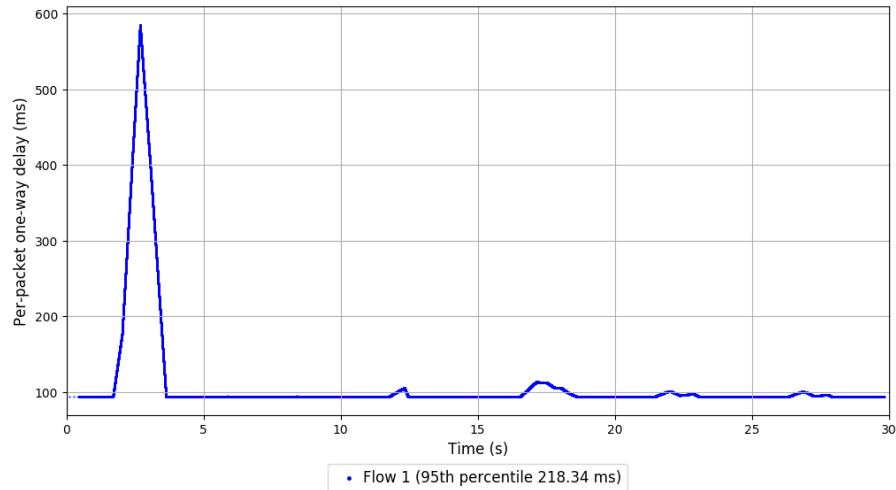
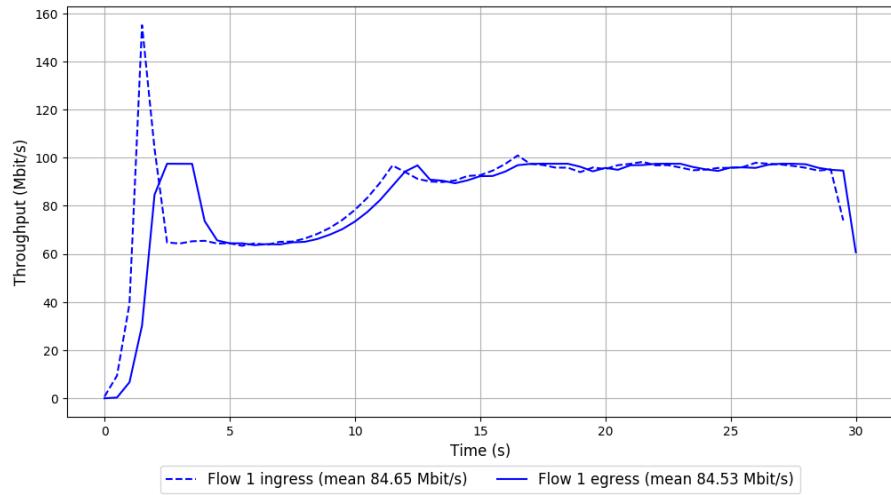


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-10-03 06:57:11
End at: 2019-10-03 06:57:41
Local clock offset: -6.652 ms
Remote clock offset: -261.557 ms

# Below is generated by plot.py at 2019-10-03 09:27:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 218.340 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 218.340 ms
Loss rate: 0.70%
```

Run 1: Report of PCC-Allegro — Data Link

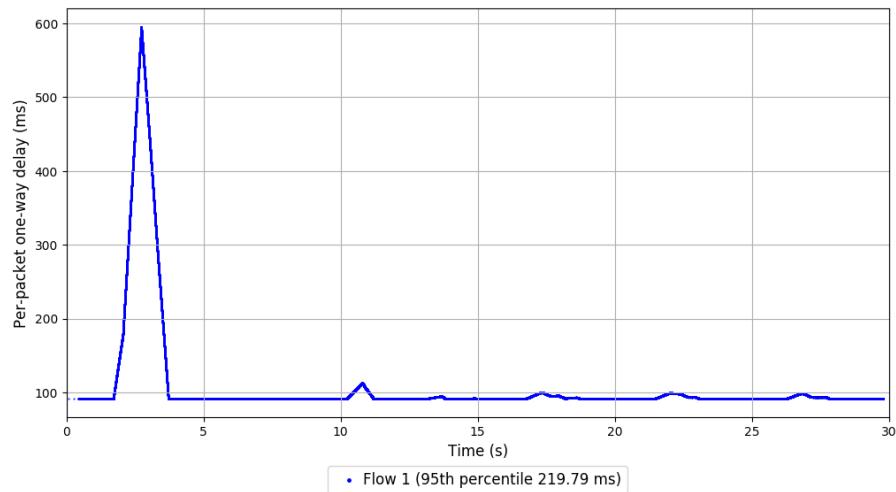
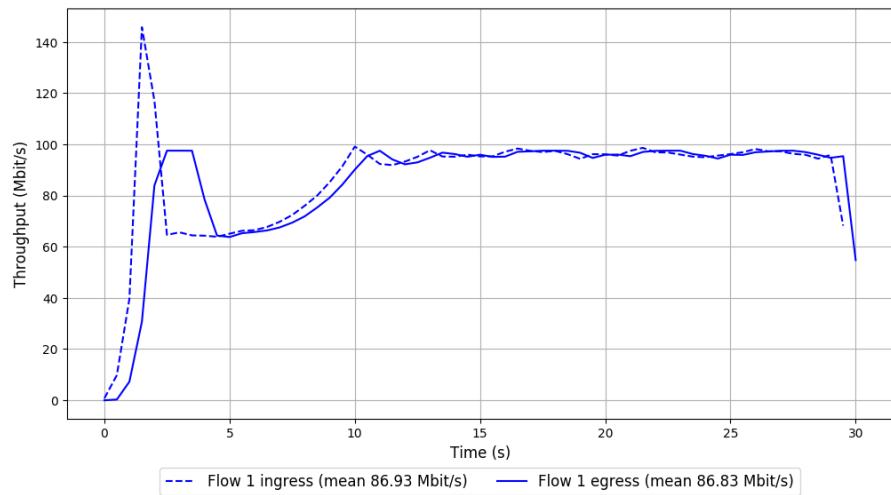


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-10-03 07:25:33
End at: 2019-10-03 07:26:03
Local clock offset: -5.526 ms
Remote clock offset: -279.618 ms

# Below is generated by plot.py at 2019-10-03 09:27:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.83 Mbit/s
95th percentile per-packet one-way delay: 219.792 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 86.83 Mbit/s
95th percentile per-packet one-way delay: 219.792 ms
Loss rate: 0.66%
```

Run 2: Report of PCC-Allegro — Data Link

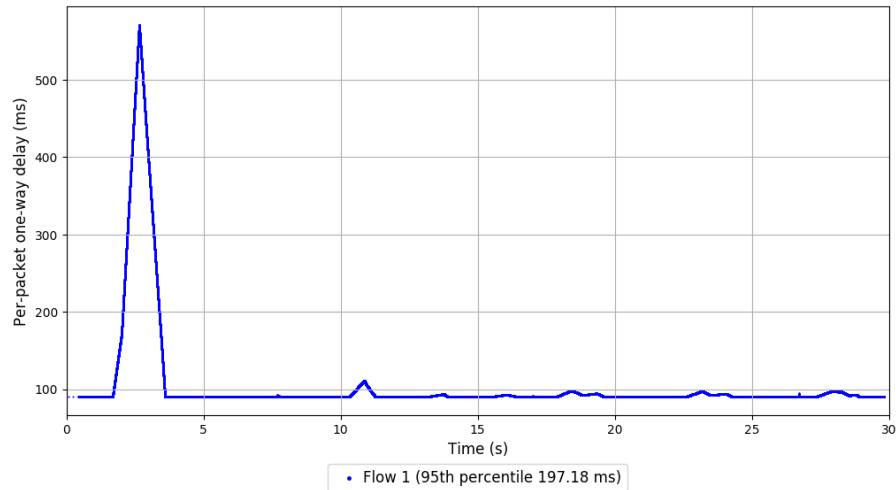
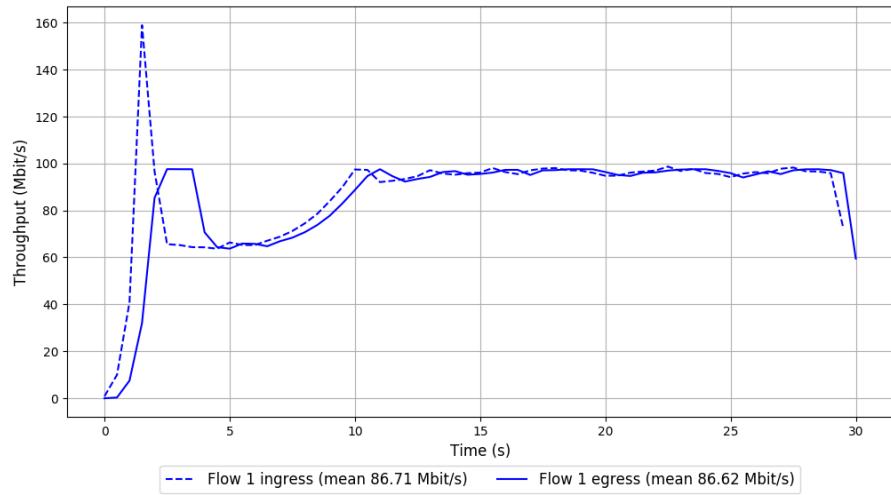


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-10-03 07:53:56
End at: 2019-10-03 07:54:26
Local clock offset: -6.671 ms
Remote clock offset: -300.919 ms

# Below is generated by plot.py at 2019-10-03 09:27:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.62 Mbit/s
95th percentile per-packet one-way delay: 197.180 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 86.62 Mbit/s
95th percentile per-packet one-way delay: 197.180 ms
Loss rate: 0.64%
```

Run 3: Report of PCC-Allegro — Data Link

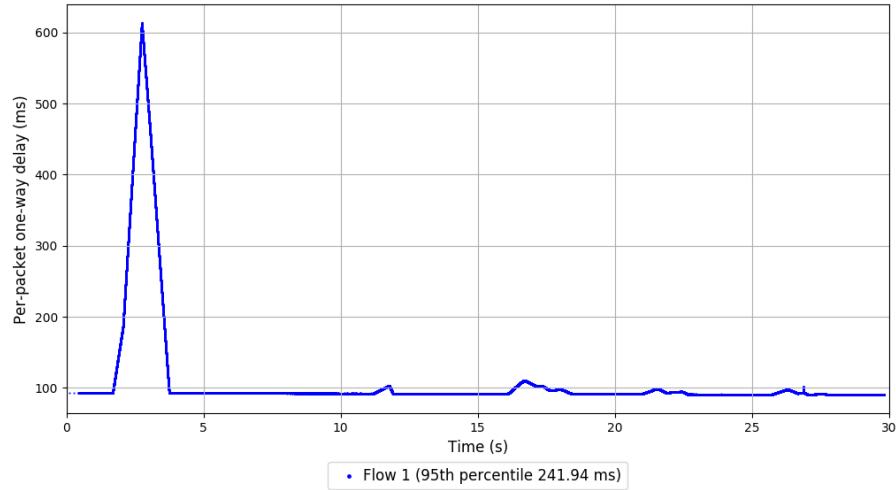
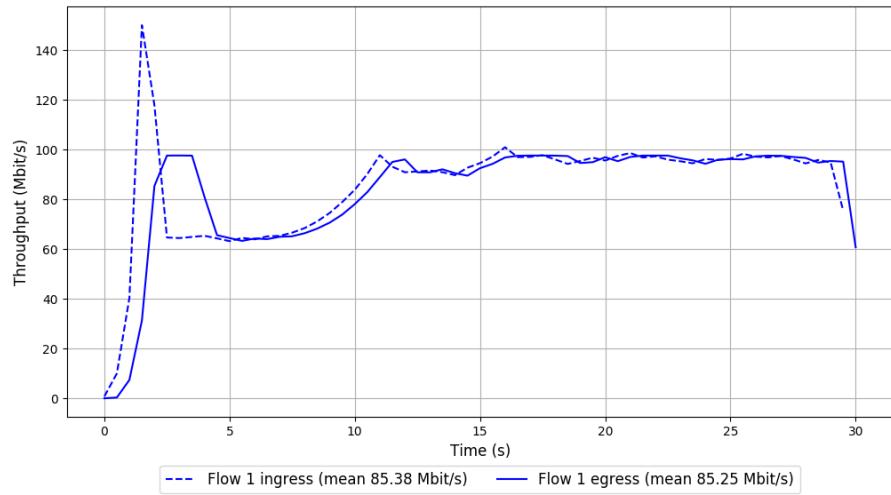


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-10-03 08:22:21
End at: 2019-10-03 08:22:51
Local clock offset: -6.63 ms
Remote clock offset: -127.565 ms

# Below is generated by plot.py at 2019-10-03 09:28:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.25 Mbit/s
95th percentile per-packet one-way delay: 241.936 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 85.25 Mbit/s
95th percentile per-packet one-way delay: 241.936 ms
Loss rate: 0.70%
```

Run 4: Report of PCC-Allegro — Data Link

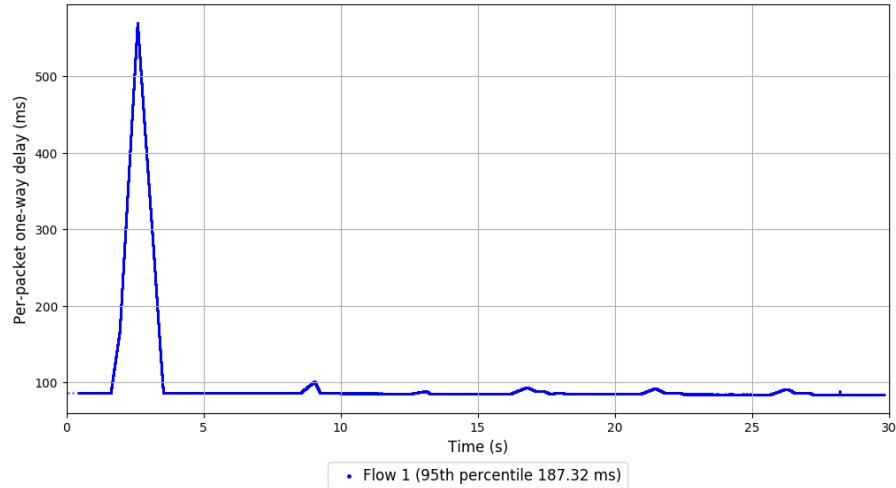
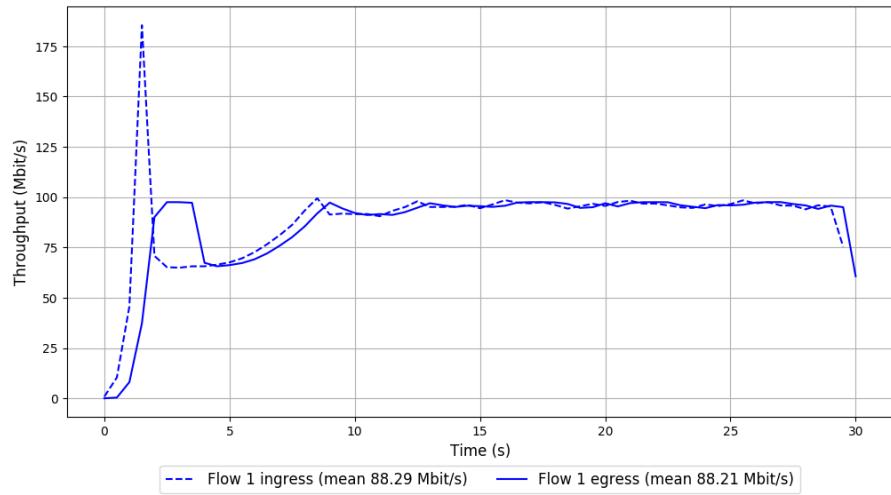


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-10-03 08:50:43
End at: 2019-10-03 08:51:13
Local clock offset: -6.764 ms
Remote clock offset: -288.898 ms

# Below is generated by plot.py at 2019-10-03 09:28:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.21 Mbit/s
95th percentile per-packet one-way delay: 187.320 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 88.21 Mbit/s
95th percentile per-packet one-way delay: 187.320 ms
Loss rate: 0.64%
```

Run 5: Report of PCC-Allegro — Data Link

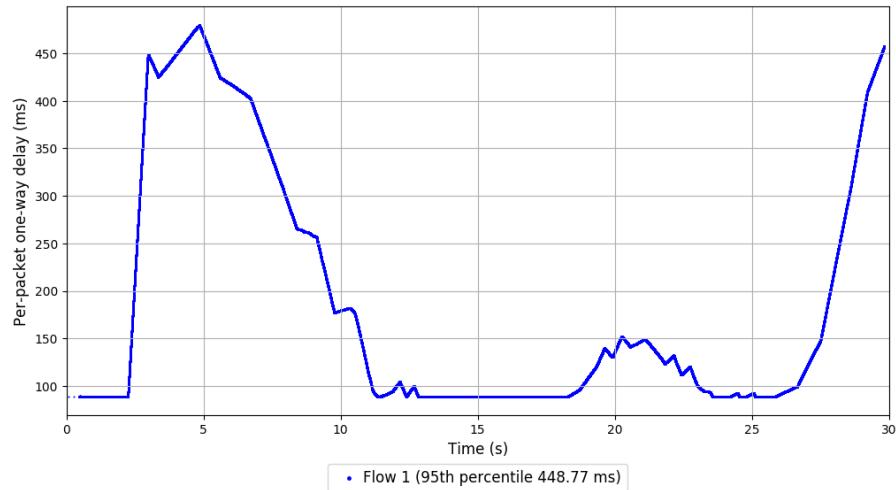
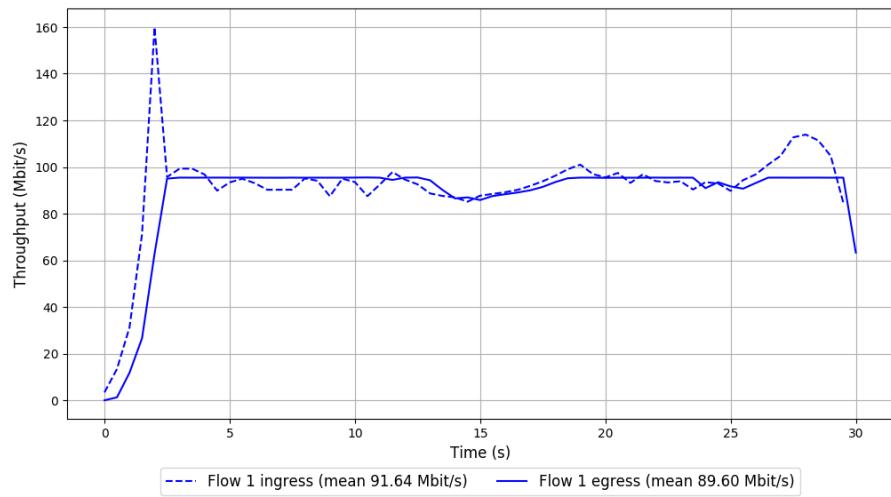


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-10-03 07:06:39
End at: 2019-10-03 07:07:09
Local clock offset: -5.851 ms
Remote clock offset: -266.479 ms

# Below is generated by plot.py at 2019-10-03 09:29:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.60 Mbit/s
95th percentile per-packet one-way delay: 448.767 ms
Loss rate: 2.76%
-- Flow 1:
Average throughput: 89.60 Mbit/s
95th percentile per-packet one-way delay: 448.767 ms
Loss rate: 2.76%
```

Run 1: Report of PCC-Expr — Data Link

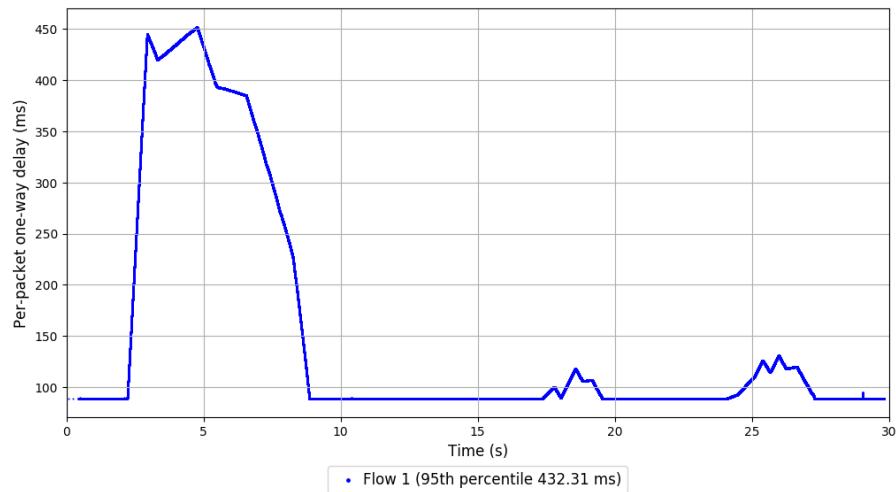
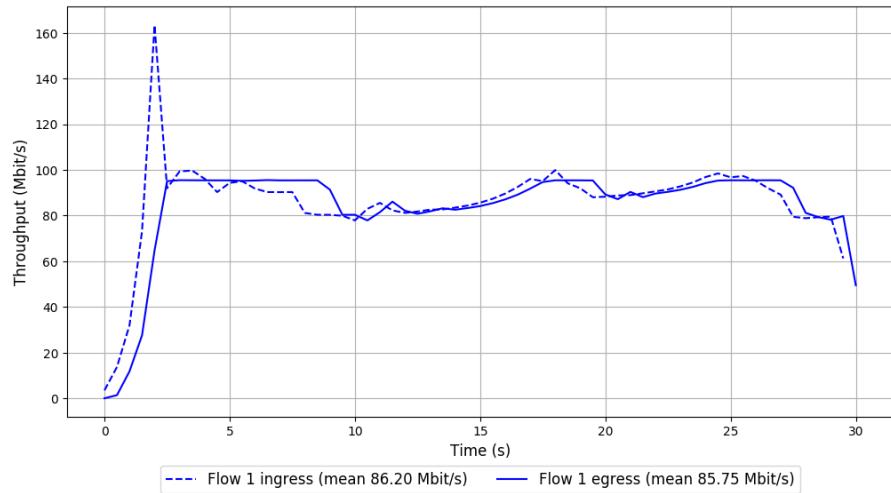


Run 2: Statistics of PCC-Expr

```
Start at: 2019-10-03 07:35:01
End at: 2019-10-03 07:35:31
Local clock offset: -6.244 ms
Remote clock offset: -286.277 ms

# Below is generated by plot.py at 2019-10-03 09:29:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.75 Mbit/s
95th percentile per-packet one-way delay: 432.315 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 85.75 Mbit/s
95th percentile per-packet one-way delay: 432.315 ms
Loss rate: 1.06%
```

Run 2: Report of PCC-Expr — Data Link

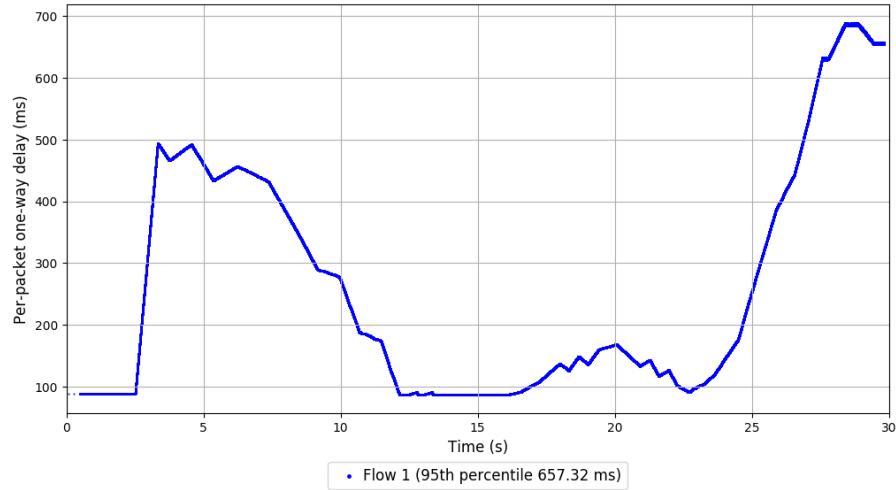
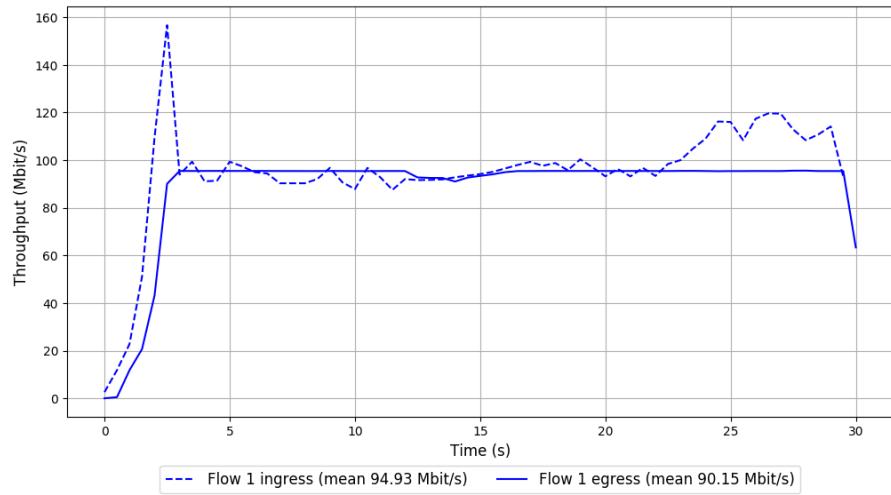


Run 3: Statistics of PCC-Expr

```
Start at: 2019-10-03 08:03:24
End at: 2019-10-03 08:03:54
Local clock offset: -6.608 ms
Remote clock offset: -17.683 ms

# Below is generated by plot.py at 2019-10-03 09:29:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.15 Mbit/s
95th percentile per-packet one-way delay: 657.322 ms
Loss rate: 5.55%
-- Flow 1:
Average throughput: 90.15 Mbit/s
95th percentile per-packet one-way delay: 657.322 ms
Loss rate: 5.55%
```

Run 3: Report of PCC-Expr — Data Link

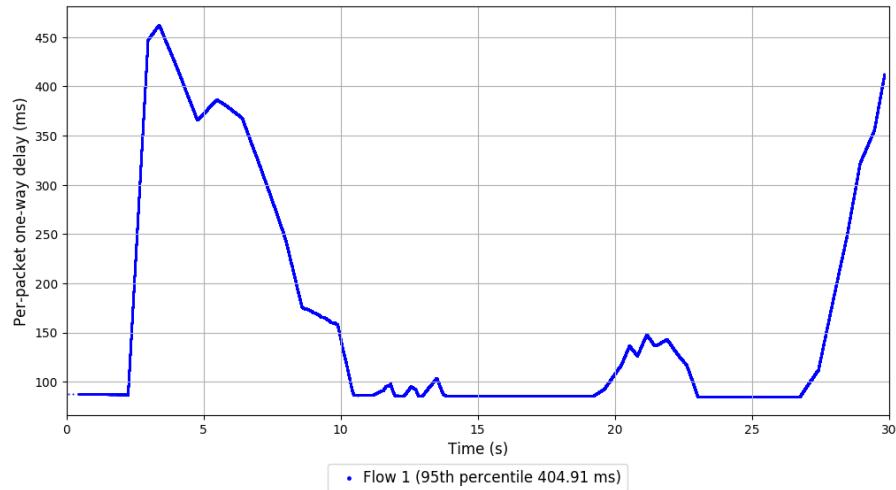
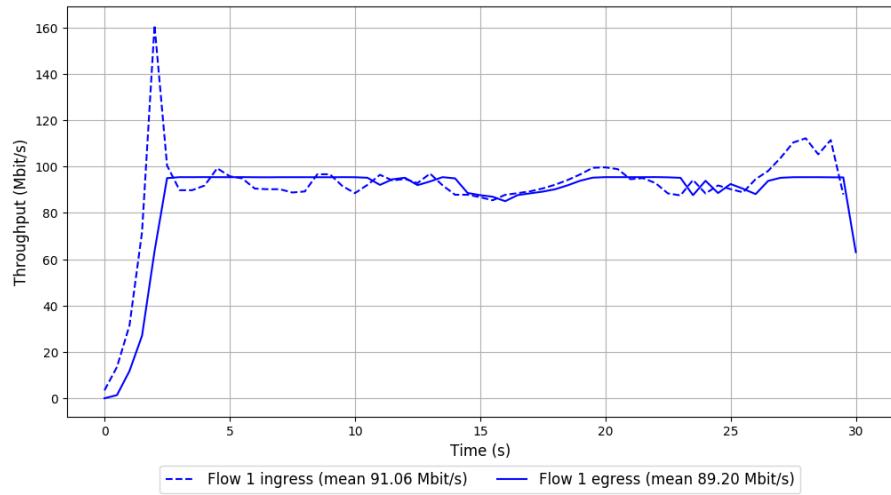


Run 4: Statistics of PCC-Expr

```
Start at: 2019-10-03 08:31:49
End at: 2019-10-03 08:32:19
Local clock offset: -6.671 ms
Remote clock offset: -180.754 ms

# Below is generated by plot.py at 2019-10-03 09:29:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.20 Mbit/s
95th percentile per-packet one-way delay: 404.906 ms
Loss rate: 2.57%
-- Flow 1:
Average throughput: 89.20 Mbit/s
95th percentile per-packet one-way delay: 404.906 ms
Loss rate: 2.57%
```

Run 4: Report of PCC-Expr — Data Link

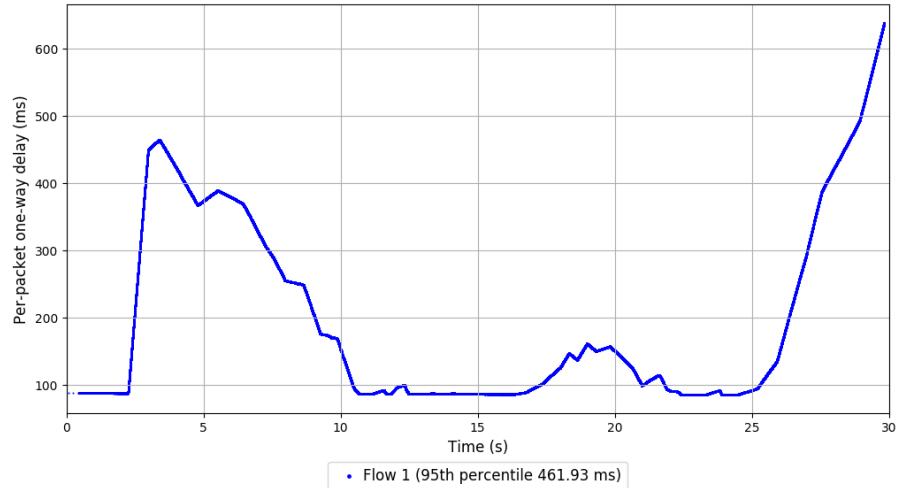
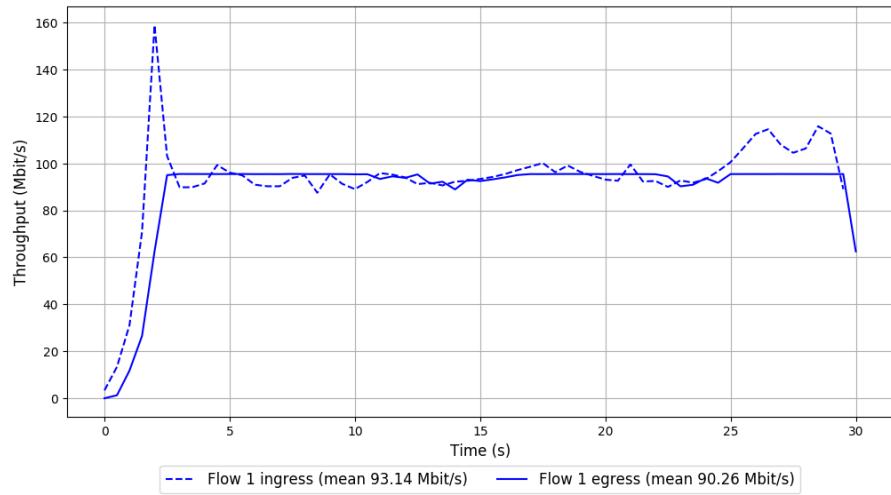


Run 5: Statistics of PCC-Expr

```
Start at: 2019-10-03 09:00:10
End at: 2019-10-03 09:00:40
Local clock offset: -6.351 ms
Remote clock offset: -343.741 ms

# Below is generated by plot.py at 2019-10-03 09:29:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.26 Mbit/s
95th percentile per-packet one-way delay: 461.931 ms
Loss rate: 3.62%
-- Flow 1:
Average throughput: 90.26 Mbit/s
95th percentile per-packet one-way delay: 461.931 ms
Loss rate: 3.62%
```

Run 5: Report of PCC-Expr — Data Link

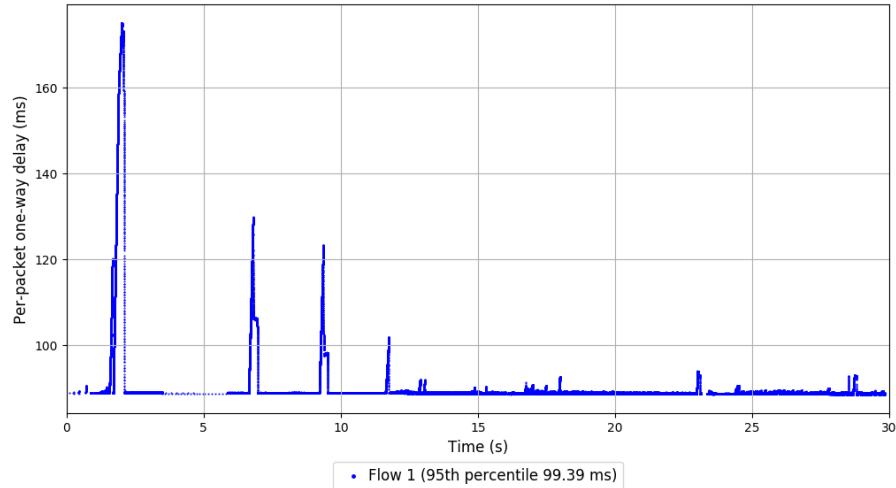
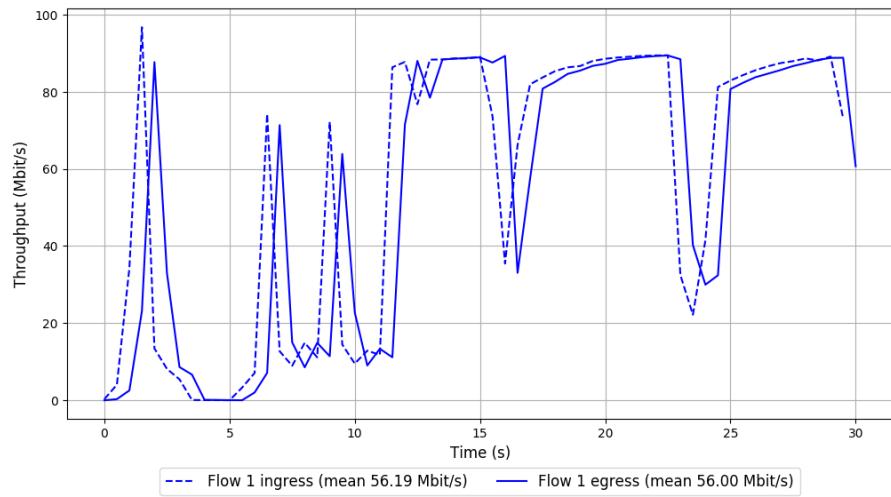


```
Run 1: Statistics of QUIC Cubic

Start at: 2019-10-03 07:00:44
End at: 2019-10-03 07:01:14
Local clock offset: -6.323 ms
Remote clock offset: -262.168 ms

# Below is generated by plot.py at 2019-10-03 09:29:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.00 Mbit/s
95th percentile per-packet one-way delay: 99.395 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 56.00 Mbit/s
95th percentile per-packet one-way delay: 99.395 ms
Loss rate: 0.87%
```

Run 1: Report of QUIC Cubic — Data Link

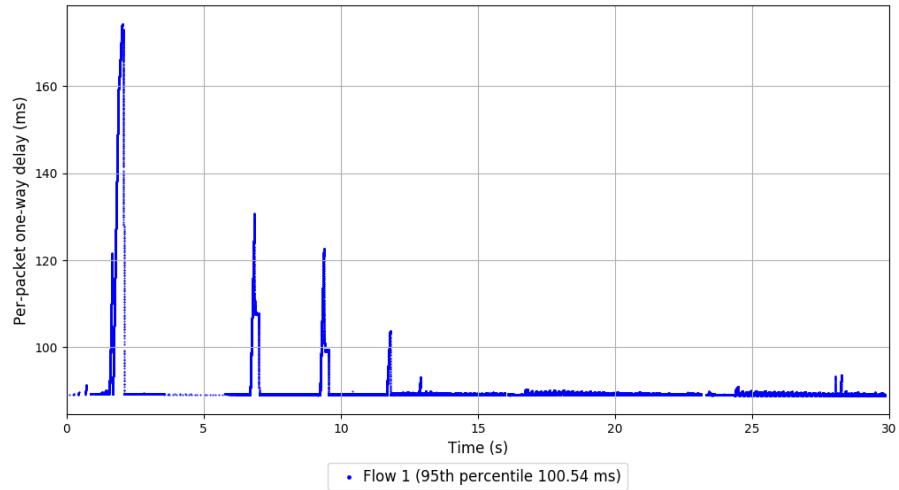
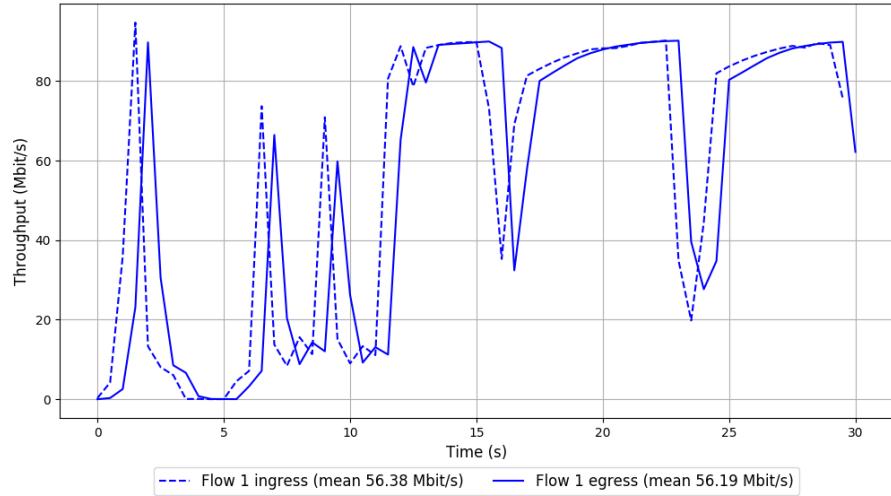


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-10-03 07:29:06
End at: 2019-10-03 07:29:36
Local clock offset: -5.929 ms
Remote clock offset: -282.174 ms

# Below is generated by plot.py at 2019-10-03 09:29:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.19 Mbit/s
95th percentile per-packet one-way delay: 100.542 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 56.19 Mbit/s
95th percentile per-packet one-way delay: 100.542 ms
Loss rate: 0.88%
```

Run 2: Report of QUIC Cubic — Data Link

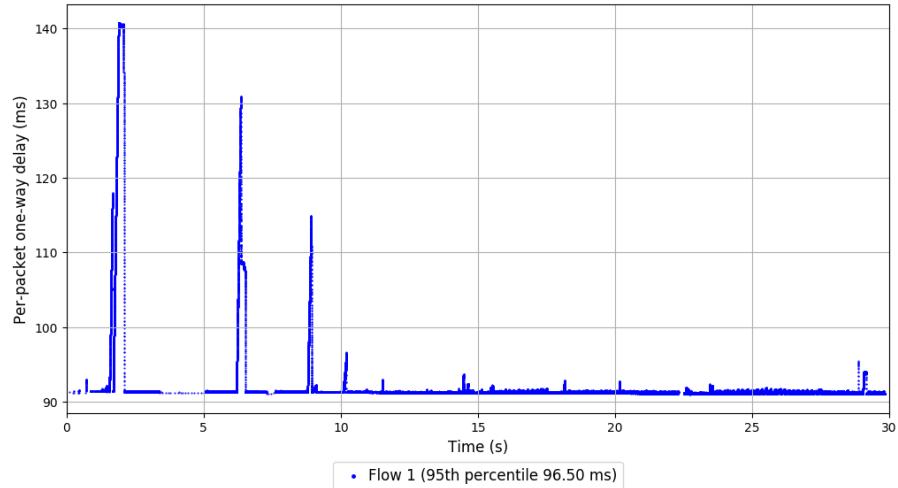
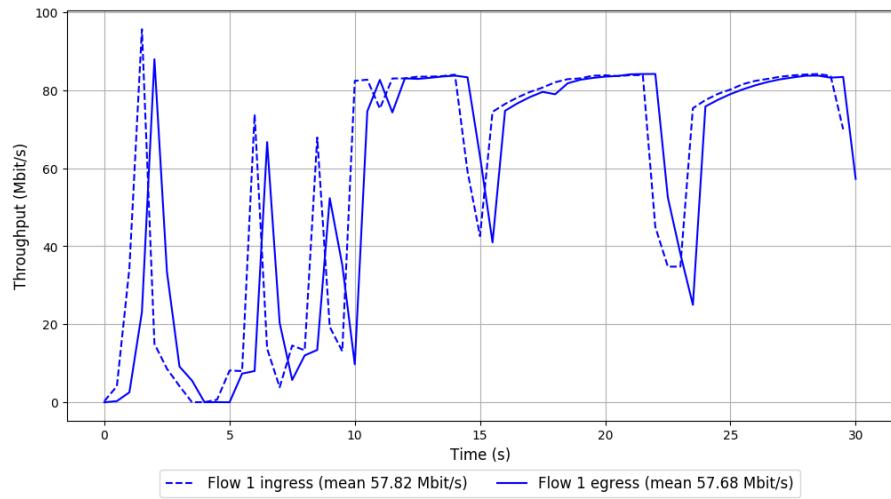


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-10-03 07:57:29
End at: 2019-10-03 07:57:59
Local clock offset: -6.708 ms
Remote clock offset: -301.645 ms

# Below is generated by plot.py at 2019-10-03 09:29:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.68 Mbit/s
95th percentile per-packet one-way delay: 96.502 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 57.68 Mbit/s
95th percentile per-packet one-way delay: 96.502 ms
Loss rate: 0.80%
```

Run 3: Report of QUIC Cubic — Data Link

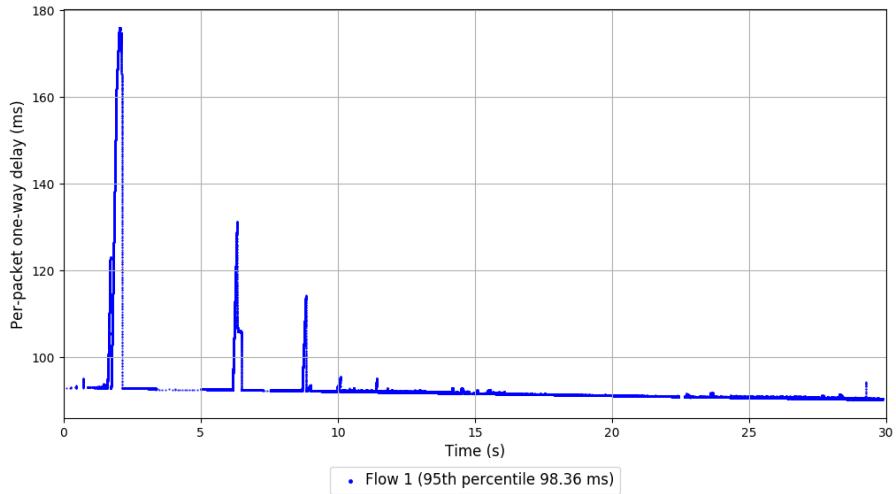
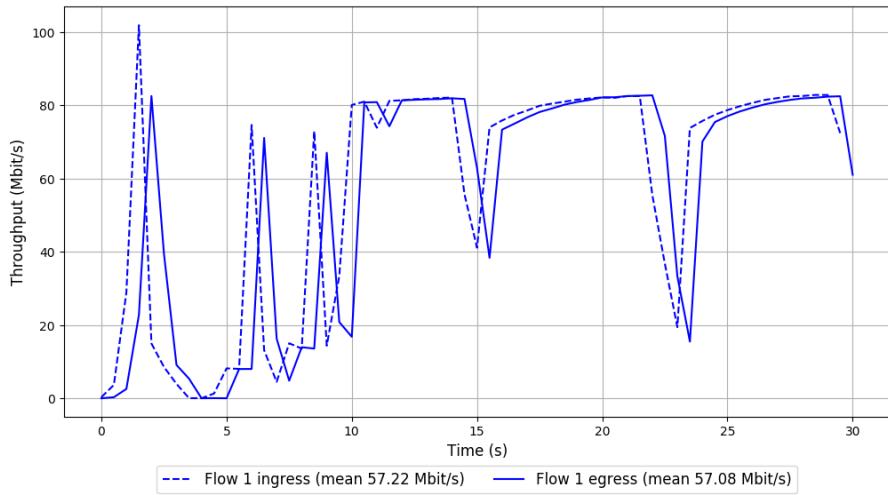


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-10-03 08:25:54
End at: 2019-10-03 08:26:24
Local clock offset: -6.649 ms
Remote clock offset: -147.918 ms

# Below is generated by plot.py at 2019-10-03 09:29:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.08 Mbit/s
95th percentile per-packet one-way delay: 98.362 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 57.08 Mbit/s
95th percentile per-packet one-way delay: 98.362 ms
Loss rate: 0.80%
```

Run 4: Report of QUIC Cubic — Data Link

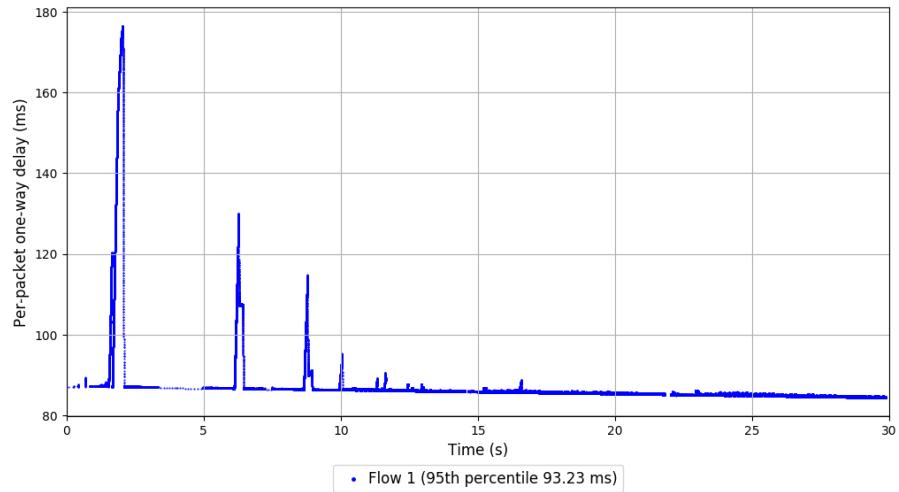
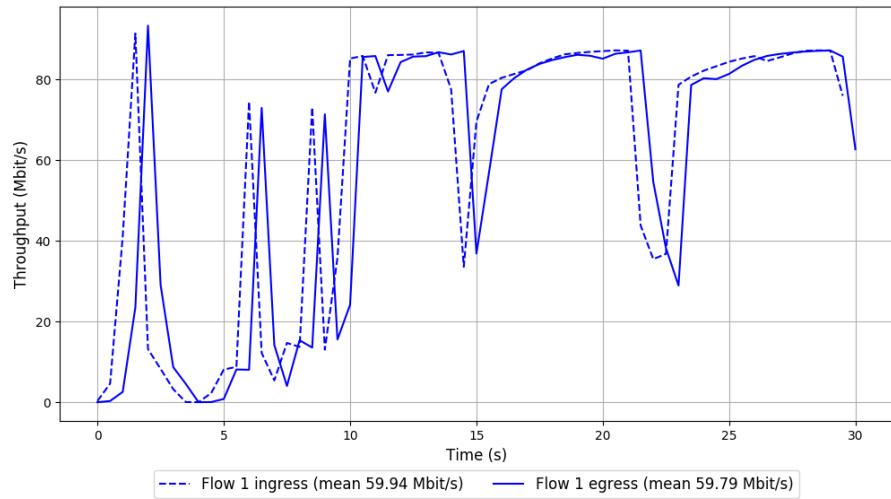


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-10-03 08:54:15
End at: 2019-10-03 08:54:45
Local clock offset: -6.799 ms
Remote clock offset: -309.679 ms

# Below is generated by plot.py at 2019-10-03 09:29:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.79 Mbit/s
95th percentile per-packet one-way delay: 93.228 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 59.79 Mbit/s
95th percentile per-packet one-way delay: 93.228 ms
Loss rate: 0.78%
```

Run 5: Report of QUIC Cubic — Data Link

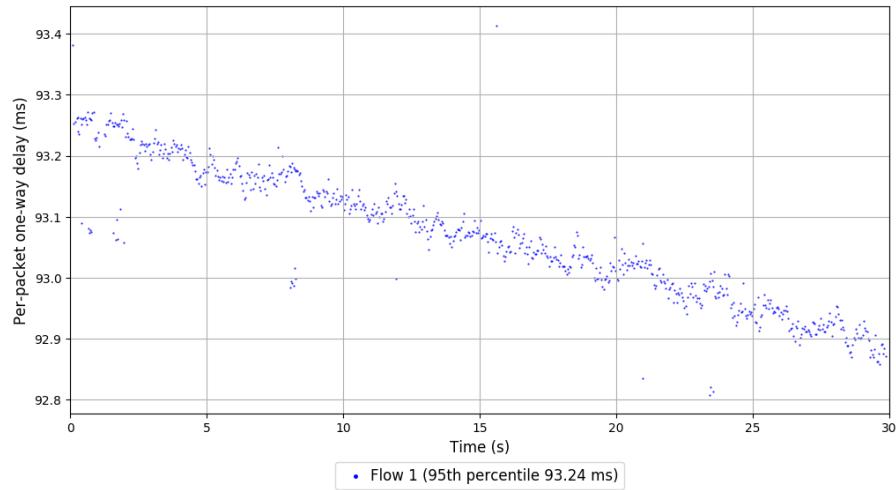
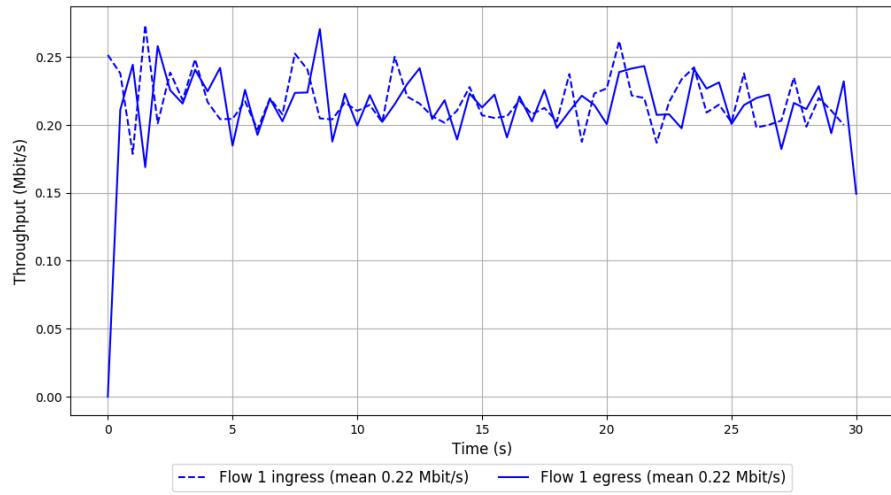


```
Run 1: Statistics of SCReAM

Start at: 2019-10-03 07:17:19
End at: 2019-10-03 07:17:49
Local clock offset: -5.527 ms
Remote clock offset: -275.506 ms

# Below is generated by plot.py at 2019-10-03 09:29:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 93.243 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 93.243 ms
Loss rate: 0.64%
```

Run 1: Report of SCReAM — Data Link

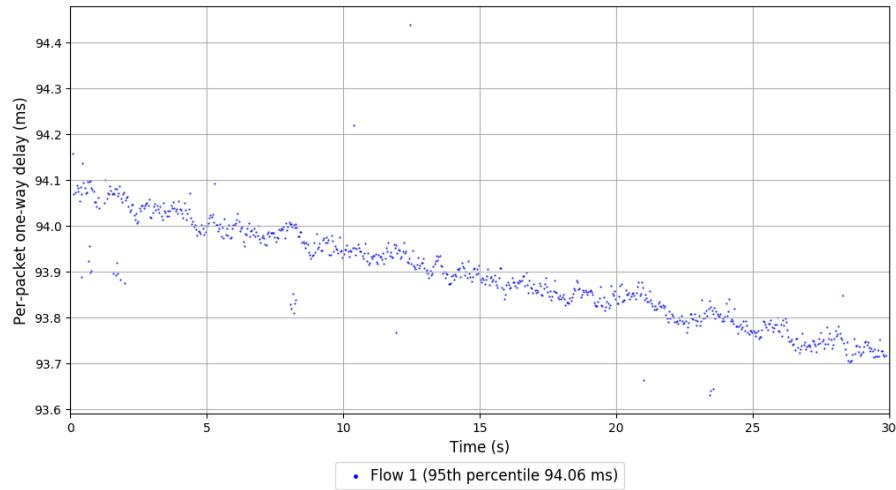
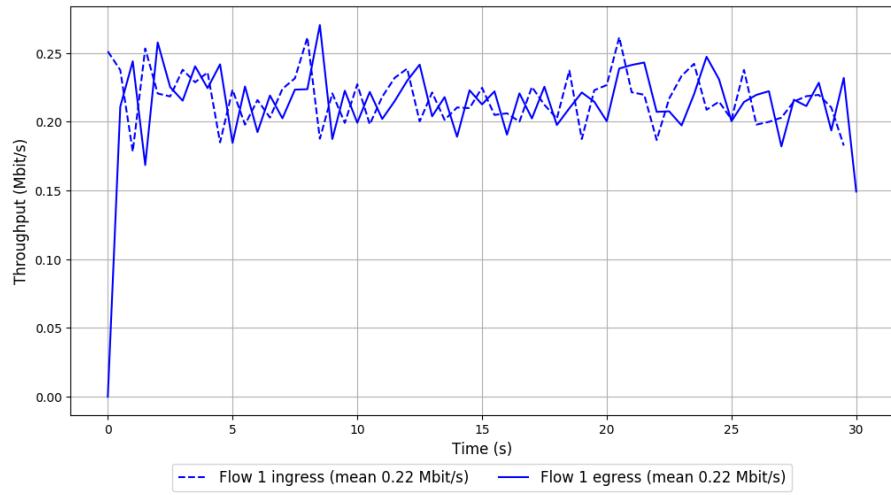


Run 2: Statistics of SCReAM

```
Start at: 2019-10-03 07:45:42
End at: 2019-10-03 07:46:12
Local clock offset: -6.555 ms
Remote clock offset: -295.153 ms

# Below is generated by plot.py at 2019-10-03 09:29:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 94.064 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 94.064 ms
Loss rate: 0.51%
```

Run 2: Report of SCReAM — Data Link

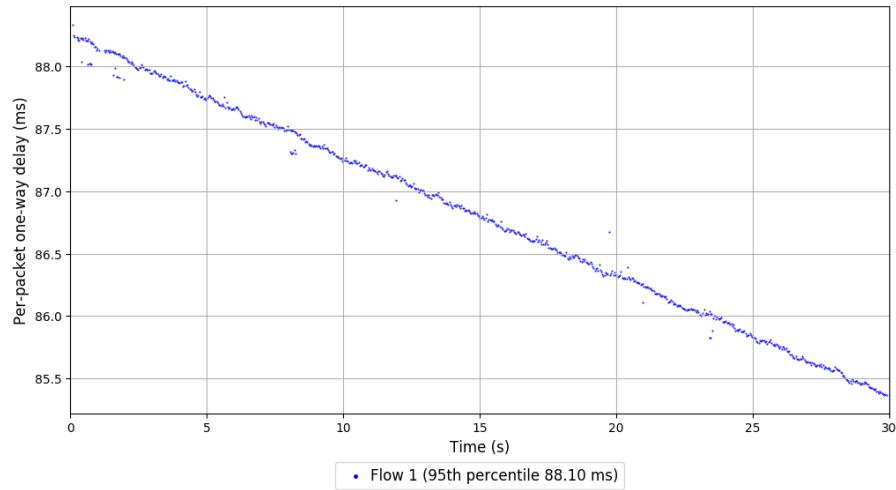
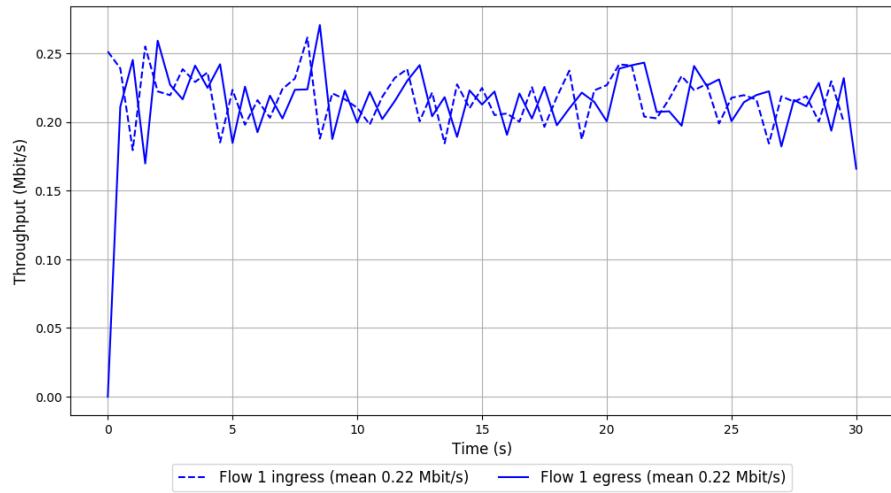


Run 3: Statistics of SCReAM

```
Start at: 2019-10-03 08:14:08
End at: 2019-10-03 08:14:38
Local clock offset: -6.656 ms
Remote clock offset: -79.327 ms

# Below is generated by plot.py at 2019-10-03 09:29:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.101 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 88.101 ms
Loss rate: 0.51%
```

Run 3: Report of SCReAM — Data Link

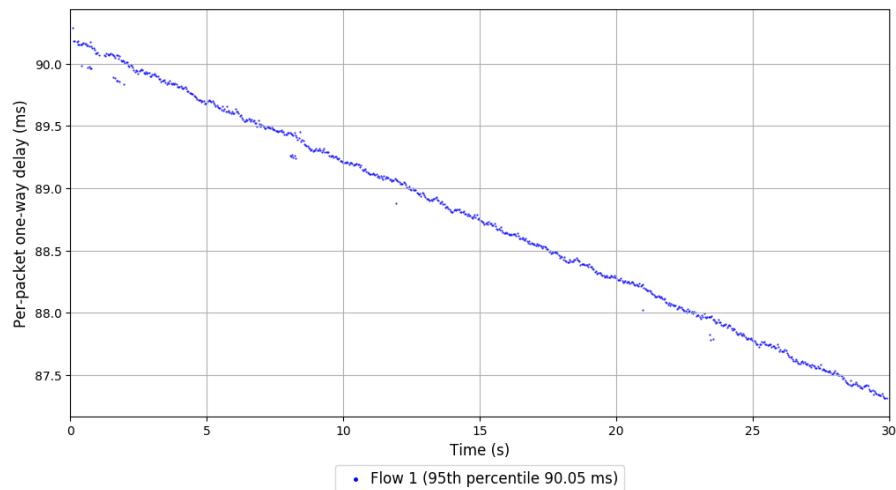
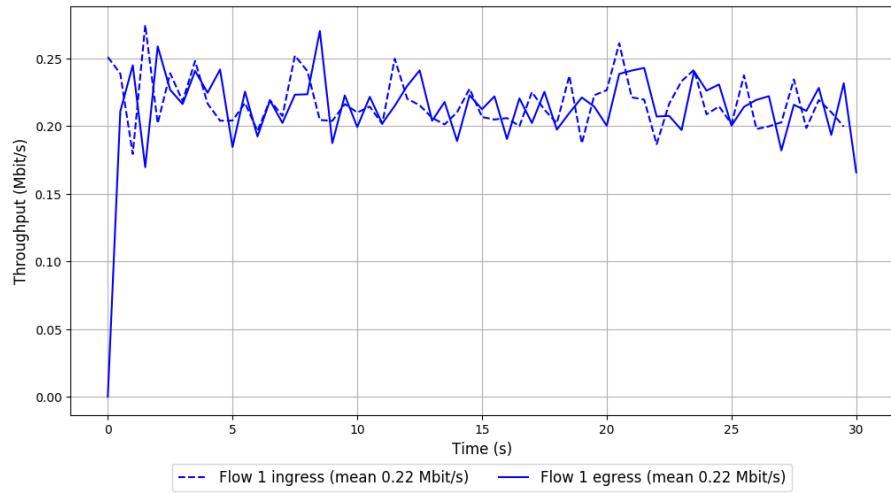


Run 4: Statistics of SCReAM

```
Start at: 2019-10-03 08:42:29
End at: 2019-10-03 08:42:59
Local clock offset: -6.736 ms
Remote clock offset: -244.363 ms

# Below is generated by plot.py at 2019-10-03 09:29:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 90.051 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 90.051 ms
Loss rate: 0.51%
```

Run 4: Report of SCReAM — Data Link

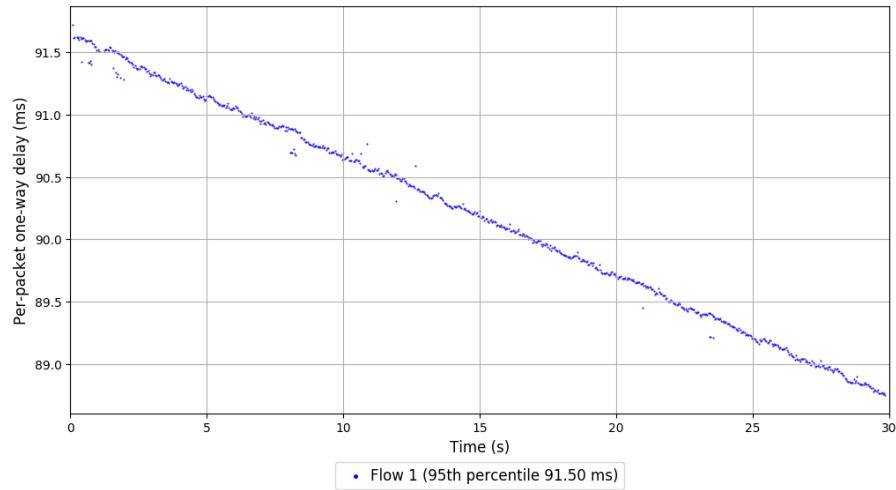
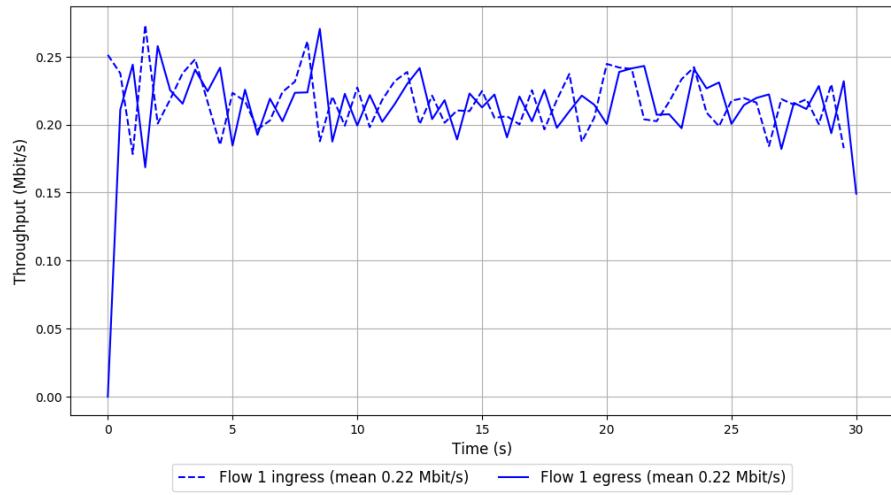


Run 5: Statistics of SCReAM

```
Start at: 2019-10-03 09:10:50
End at: 2019-10-03 09:11:20
Local clock offset: -5.941 ms
Remote clock offset: -404.976 ms

# Below is generated by plot.py at 2019-10-03 09:29:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.499 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.499 ms
Loss rate: 0.51%
```

Run 5: Report of SCReAM — Data Link

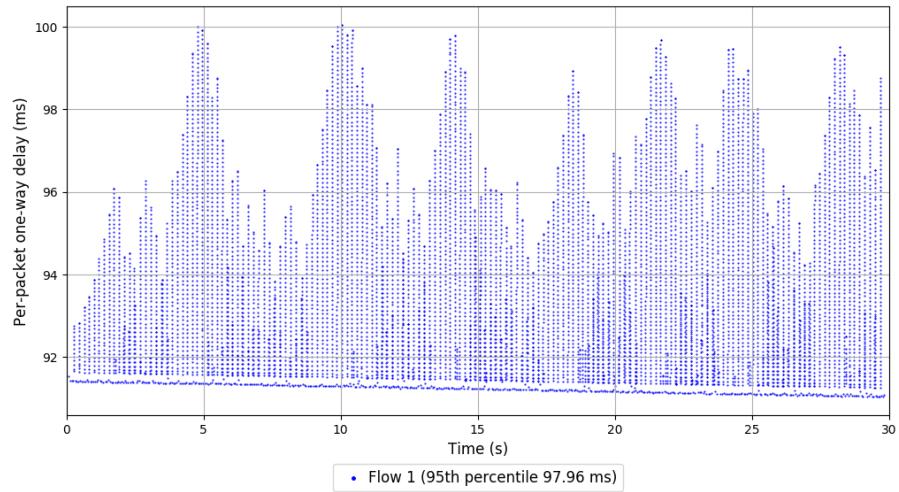
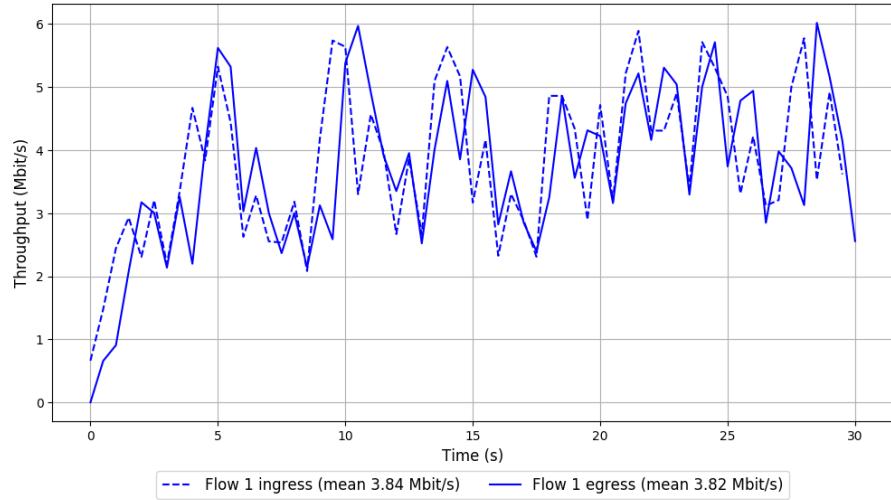


Run 1: Statistics of Sprout

```
Start at: 2019-10-03 07:05:31
End at: 2019-10-03 07:06:01
Local clock offset: -5.92 ms
Remote clock offset: -265.65 ms

# Below is generated by plot.py at 2019-10-03 09:29:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 97.957 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 3.82 Mbit/s
95th percentile per-packet one-way delay: 97.957 ms
Loss rate: 0.80%
```

Run 1: Report of Sprout — Data Link

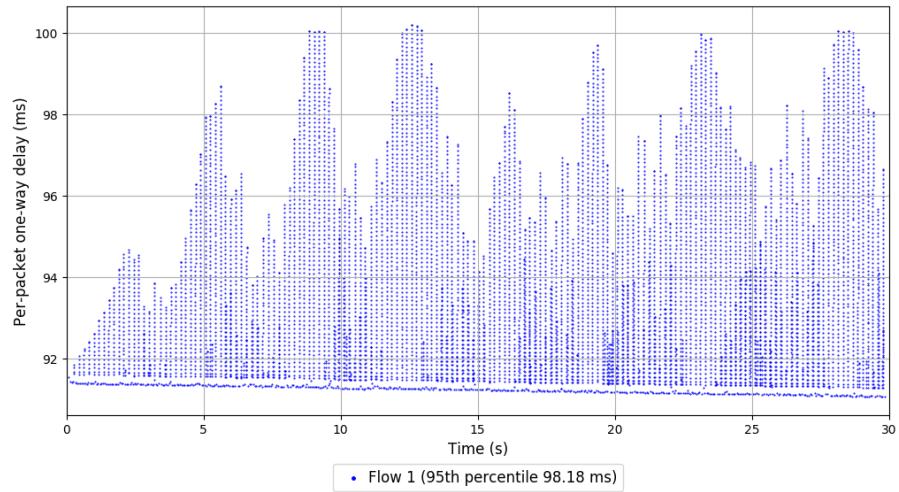
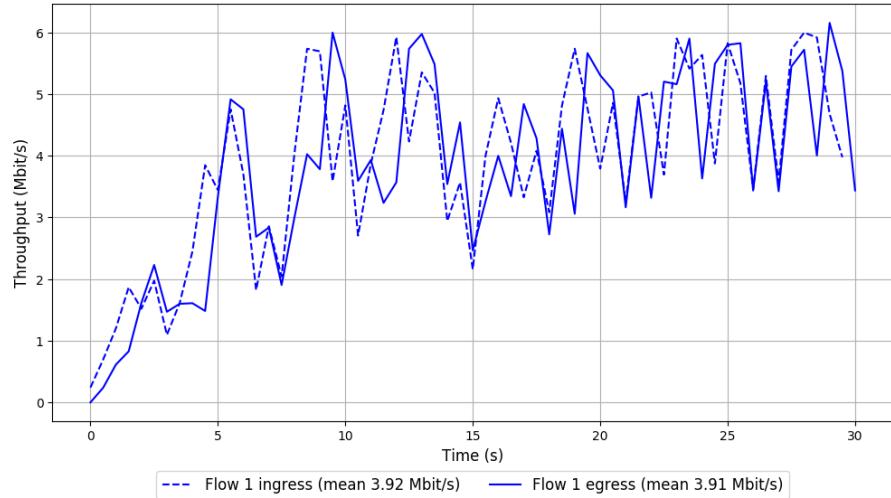


Run 2: Statistics of Sprout

```
Start at: 2019-10-03 07:33:53
End at: 2019-10-03 07:34:23
Local clock offset: -6.235 ms
Remote clock offset: -285.373 ms

# Below is generated by plot.py at 2019-10-03 09:29:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 98.183 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 3.91 Mbit/s
95th percentile per-packet one-way delay: 98.183 ms
Loss rate: 0.68%
```

Run 2: Report of Sprout — Data Link

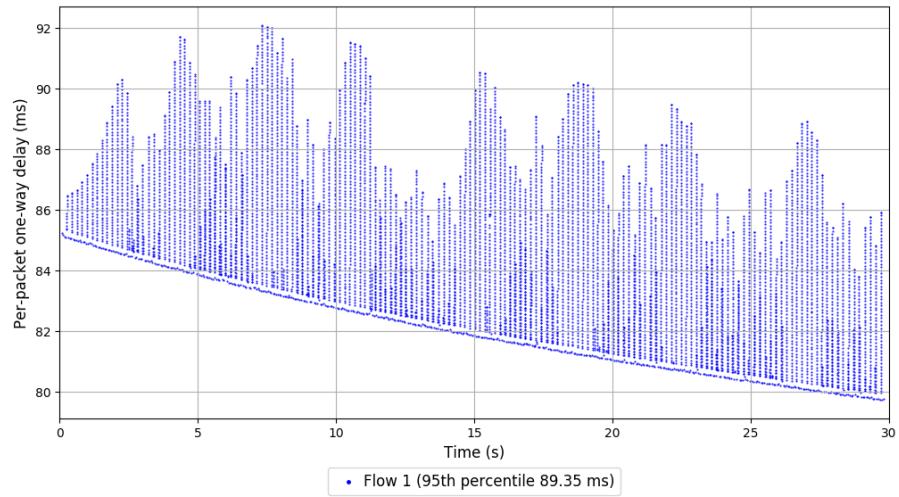
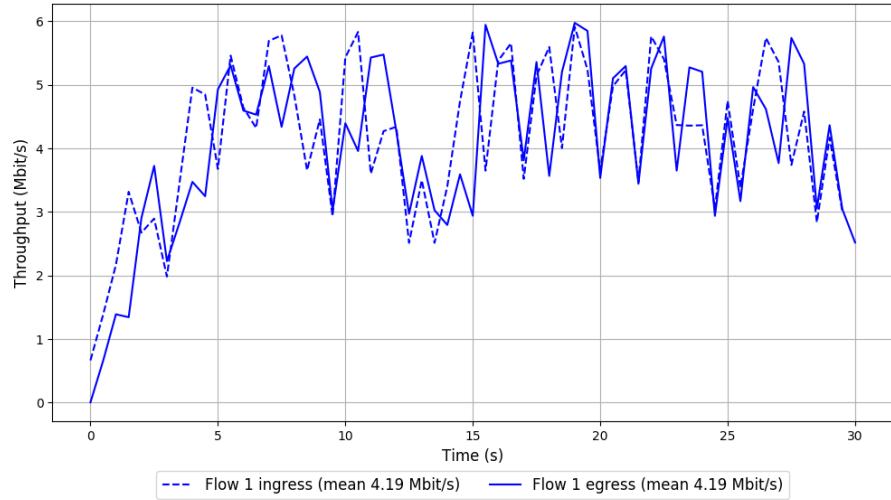


Run 3: Statistics of Sprout

```
Start at: 2019-10-03 08:02:16
End at: 2019-10-03 08:02:46
Local clock offset: -6.594 ms
Remote clock offset: -1.377 ms

# Below is generated by plot.py at 2019-10-03 09:29:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 89.353 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 4.19 Mbit/s
95th percentile per-packet one-way delay: 89.353 ms
Loss rate: 0.65%
```

Run 3: Report of Sprout — Data Link

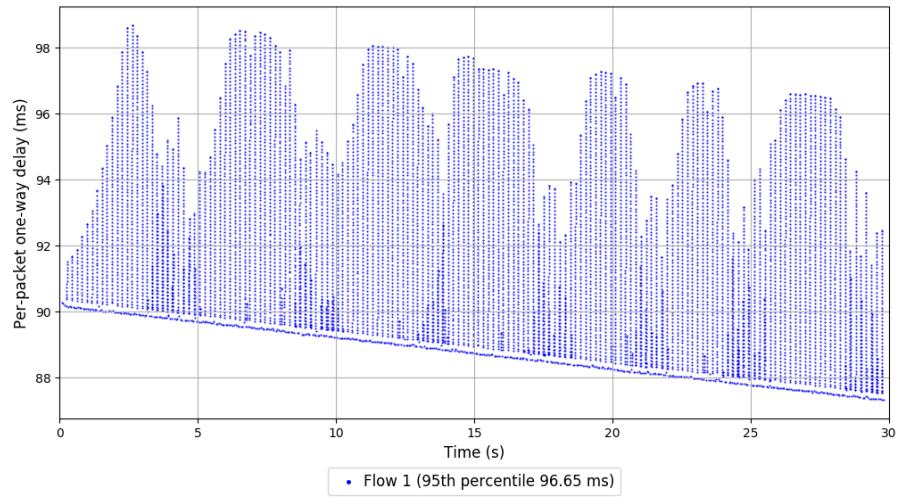
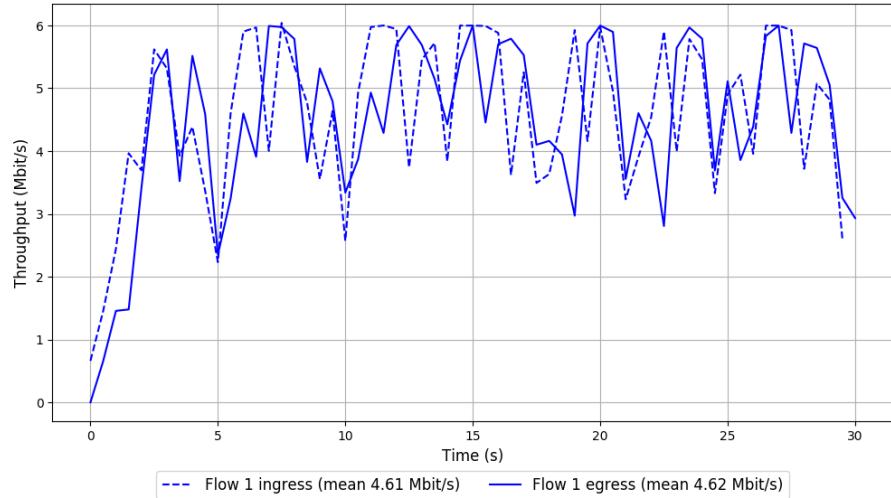


Run 4: Statistics of Sprout

```
Start at: 2019-10-03 08:30:41
End at: 2019-10-03 08:31:11
Local clock offset: -6.72 ms
Remote clock offset: -176.295 ms

# Below is generated by plot.py at 2019-10-03 09:29:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.62 Mbit/s
95th percentile per-packet one-way delay: 96.648 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 4.62 Mbit/s
95th percentile per-packet one-way delay: 96.648 ms
Loss rate: 0.46%
```

Run 4: Report of Sprout — Data Link

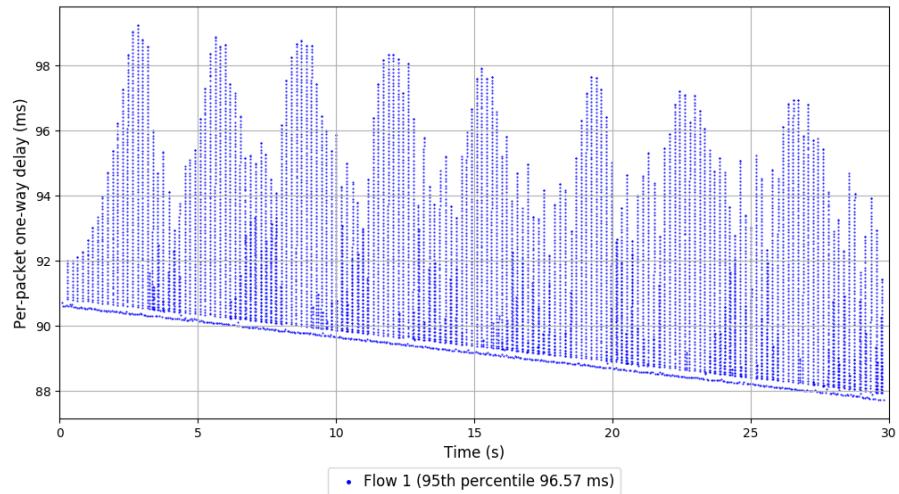
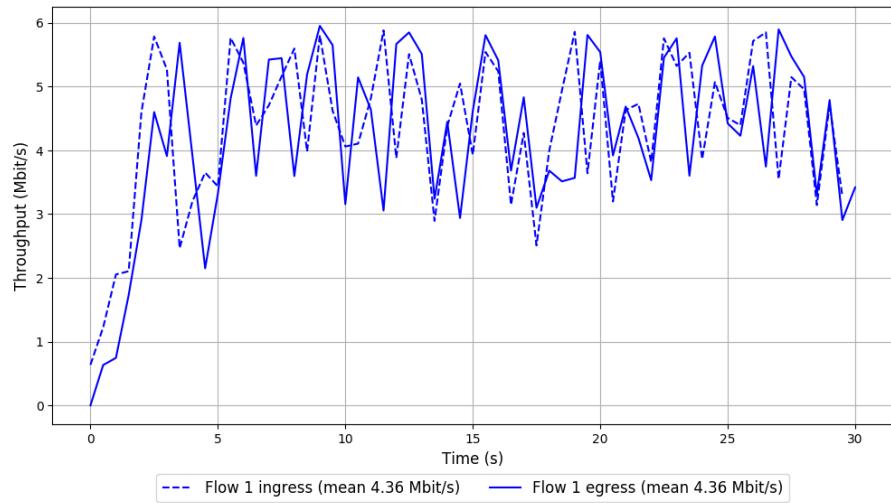


Run 5: Statistics of Sprout

```
Start at: 2019-10-03 08:59:02
End at: 2019-10-03 08:59:32
Local clock offset: -6.404 ms
Remote clock offset: -336.698 ms

# Below is generated by plot.py at 2019-10-03 09:29:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 96.570 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 4.36 Mbit/s
95th percentile per-packet one-way delay: 96.570 ms
Loss rate: 0.64%
```

Run 5: Report of Sprout — Data Link

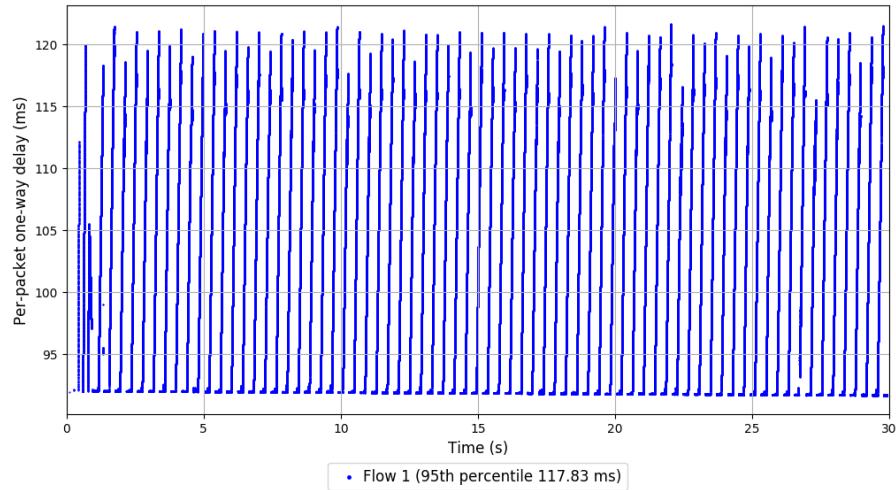
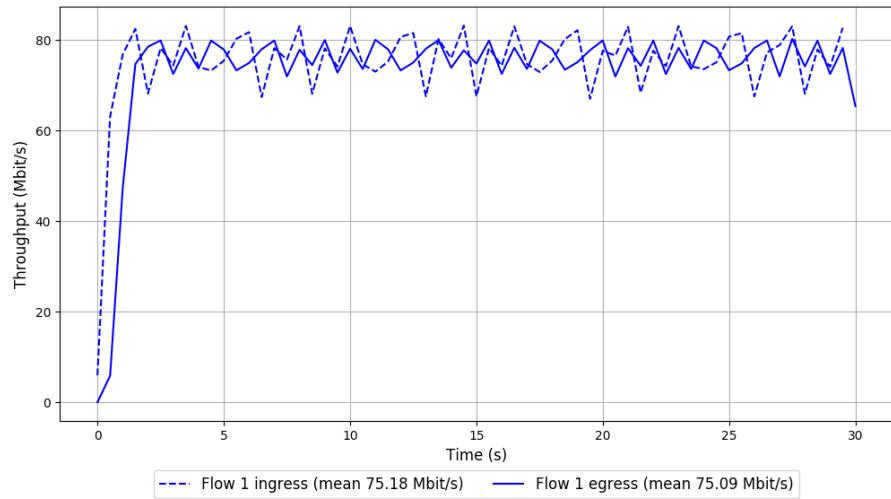


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-10-03 07:18:27
End at: 2019-10-03 07:18:57
Local clock offset: -5.515 ms
Remote clock offset: -274.454 ms

# Below is generated by plot.py at 2019-10-03 09:30:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.09 Mbit/s
95th percentile per-packet one-way delay: 117.827 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 75.09 Mbit/s
95th percentile per-packet one-way delay: 117.827 ms
Loss rate: 0.66%
```

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

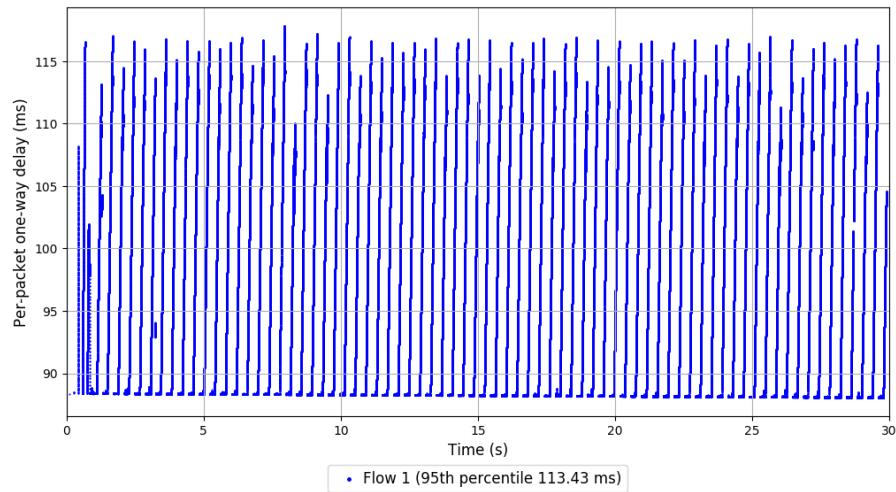
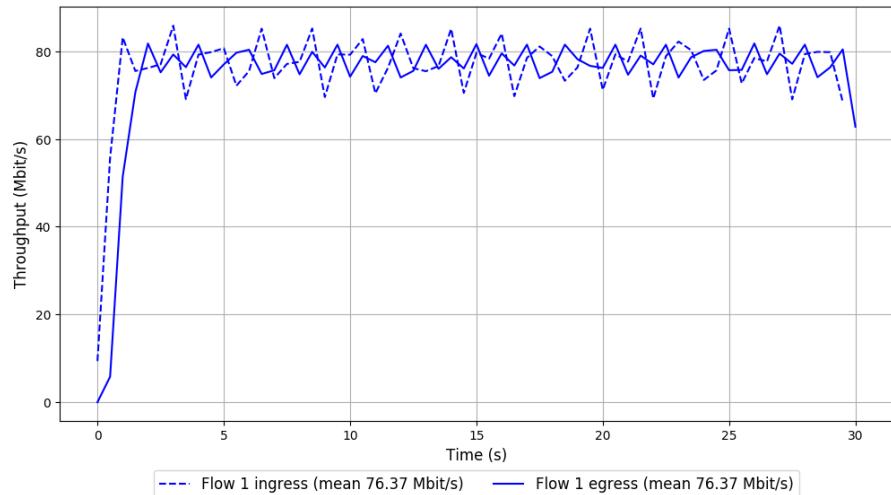


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-10-03 07:46:49
End at: 2019-10-03 07:47:19
Local clock offset: -6.57 ms
Remote clock offset: -294.605 ms

# Below is generated by plot.py at 2019-10-03 09:30:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.37 Mbit/s
95th percentile per-packet one-way delay: 113.432 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 76.37 Mbit/s
95th percentile per-packet one-way delay: 113.432 ms
Loss rate: 0.54%
```

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

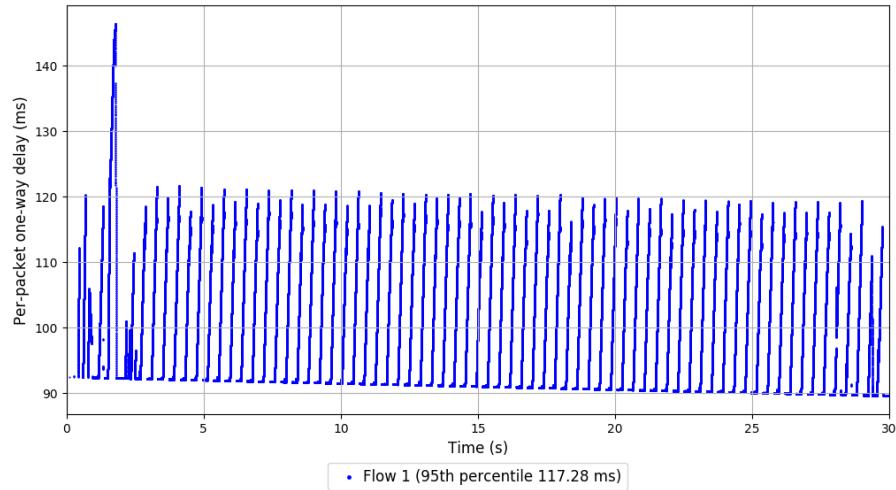
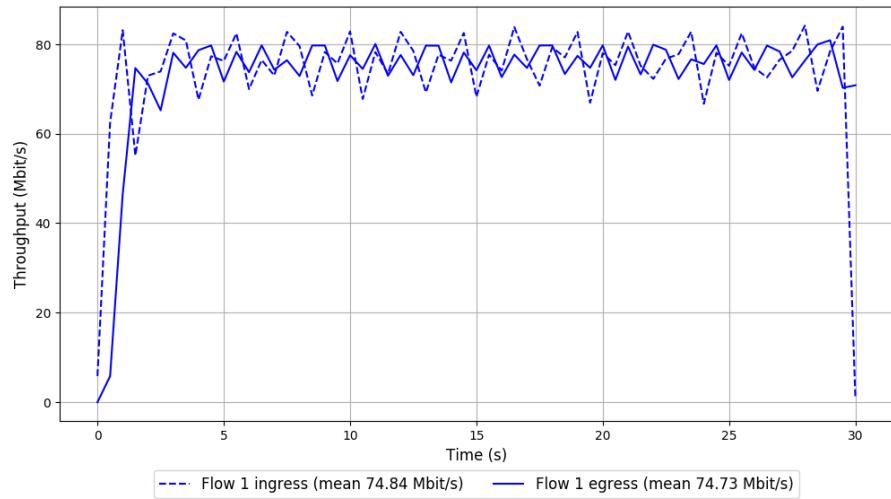


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-10-03 08:15:15
End at: 2019-10-03 08:15:45
Local clock offset: -6.583 ms
Remote clock offset: -86.115 ms

# Below is generated by plot.py at 2019-10-03 09:30:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.73 Mbit/s
95th percentile per-packet one-way delay: 117.278 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 74.73 Mbit/s
95th percentile per-packet one-way delay: 117.278 ms
Loss rate: 0.70%
```

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

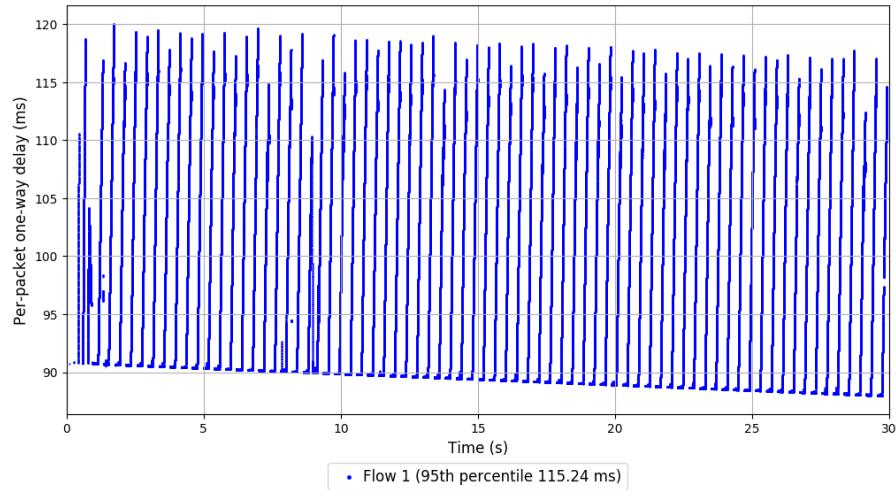
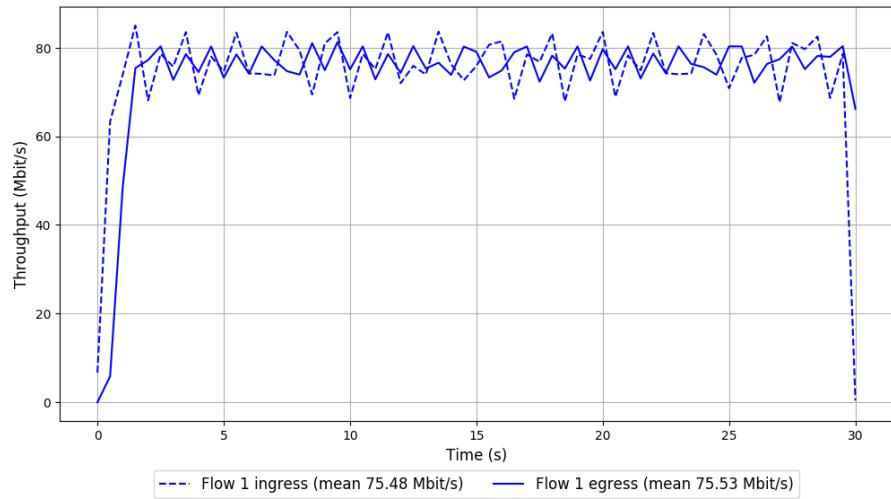


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-10-03 08:43:36
End at: 2019-10-03 08:44:06
Local clock offset: -6.73 ms
Remote clock offset: -248.445 ms

# Below is generated by plot.py at 2019-10-03 09:31:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.53 Mbit/s
95th percentile per-packet one-way delay: 115.244 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 75.53 Mbit/s
95th percentile per-packet one-way delay: 115.244 ms
Loss rate: 0.50%
```

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

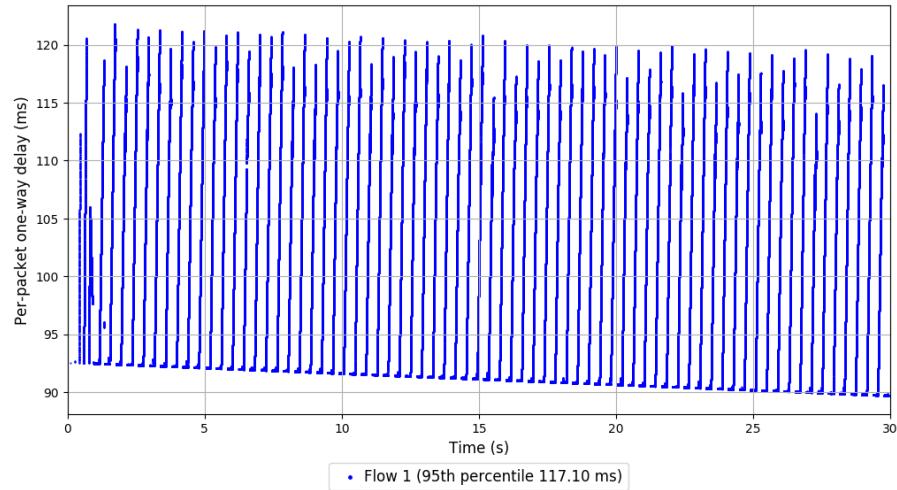
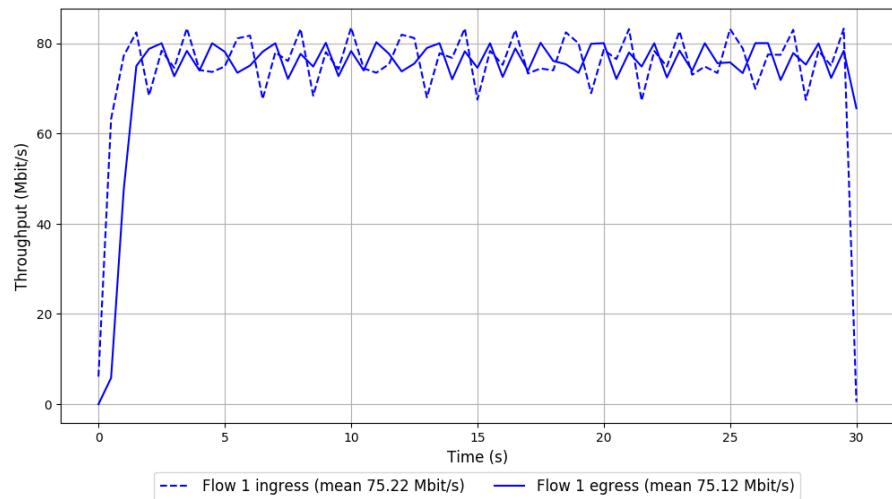


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-10-03 09:11:57
End at: 2019-10-03 09:12:27
Local clock offset: -5.903 ms
Remote clock offset: -412.716 ms

# Below is generated by plot.py at 2019-10-03 09:31:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.12 Mbit/s
95th percentile per-packet one-way delay: 117.096 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 75.12 Mbit/s
95th percentile per-packet one-way delay: 117.096 ms
Loss rate: 0.68%
```

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

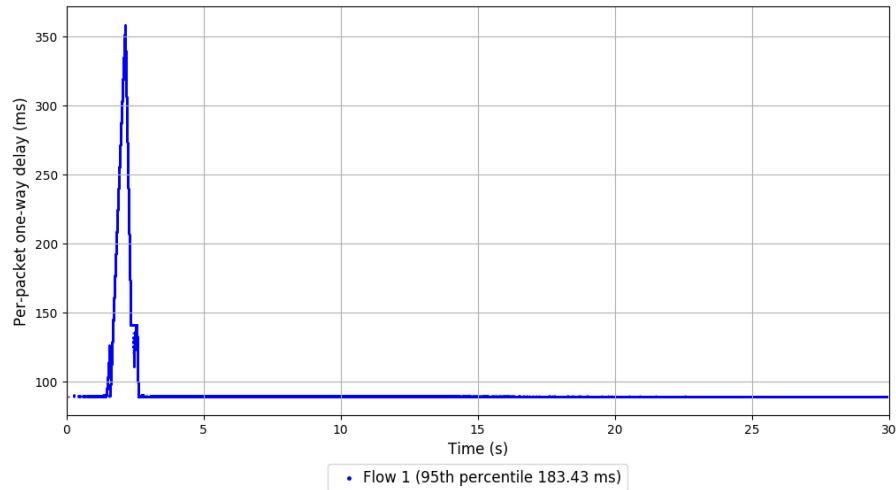
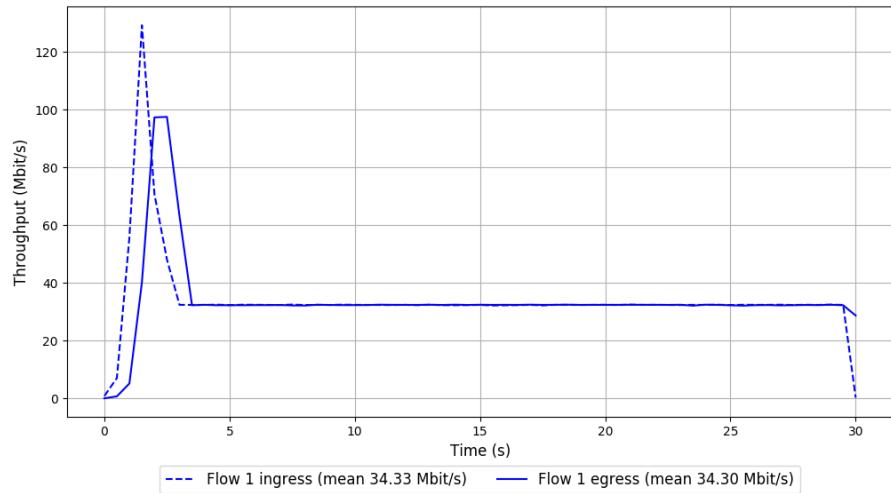


Run 1: Statistics of TCP Vegas

```
Start at: 2019-10-03 07:22:03
End at: 2019-10-03 07:22:33
Local clock offset: -5.455 ms
Remote clock offset: -277.216 ms

# Below is generated by plot.py at 2019-10-03 09:31:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.30 Mbit/s
95th percentile per-packet one-way delay: 183.431 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 34.30 Mbit/s
95th percentile per-packet one-way delay: 183.431 ms
Loss rate: 0.63%
```

Run 1: Report of TCP Vegas — Data Link

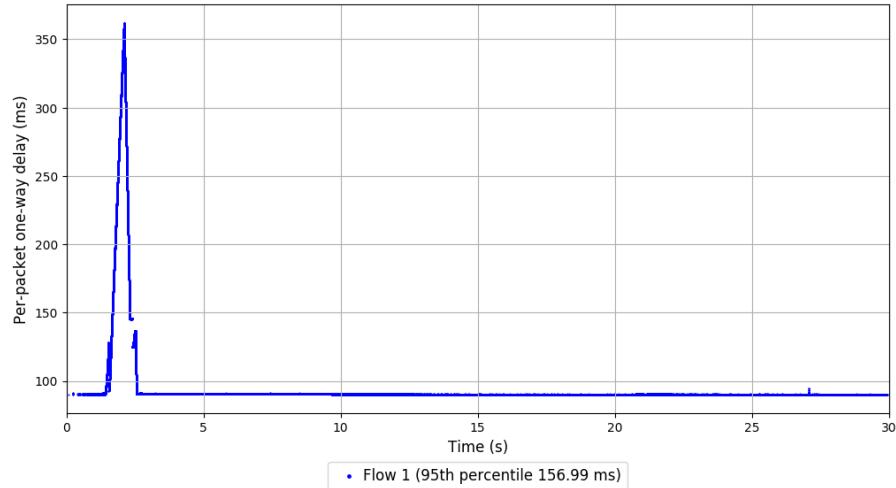
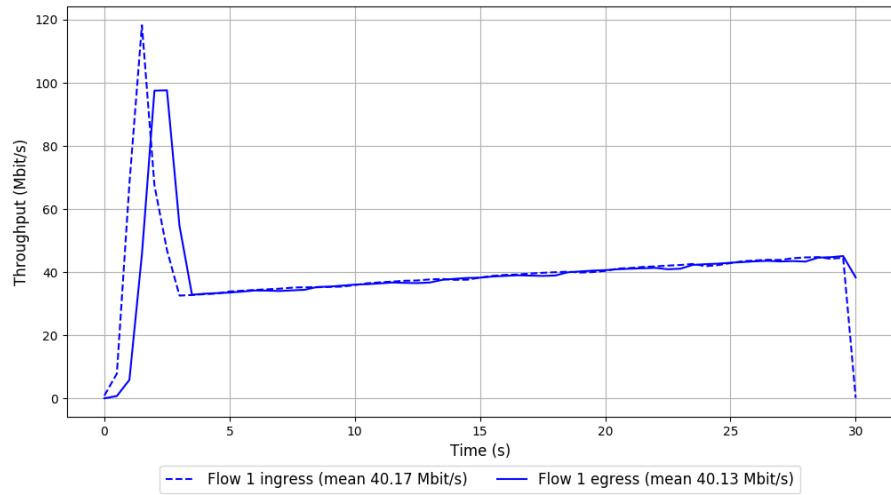


Run 2: Statistics of TCP Vegas

```
Start at: 2019-10-03 07:50:26
End at: 2019-10-03 07:50:56
Local clock offset: -6.613 ms
Remote clock offset: -298.462 ms

# Below is generated by plot.py at 2019-10-03 09:31:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.13 Mbit/s
95th percentile per-packet one-way delay: 156.991 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 40.13 Mbit/s
95th percentile per-packet one-way delay: 156.991 ms
Loss rate: 0.63%
```

Run 2: Report of TCP Vegas — Data Link

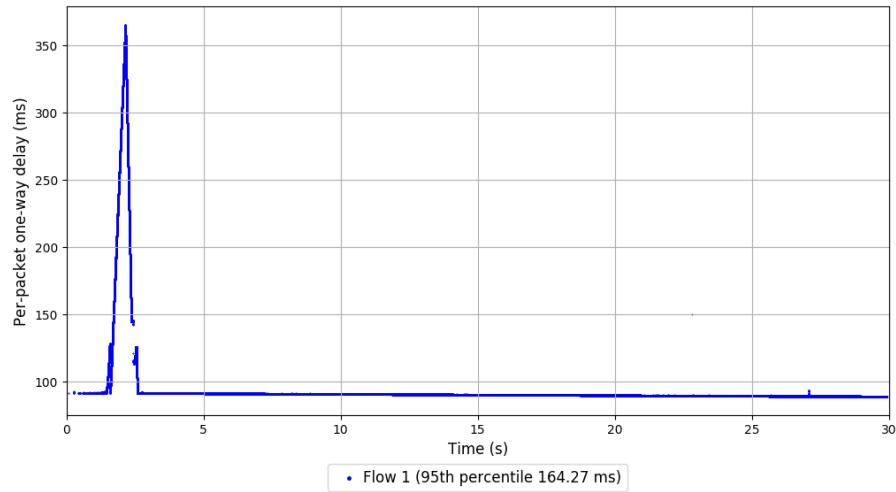
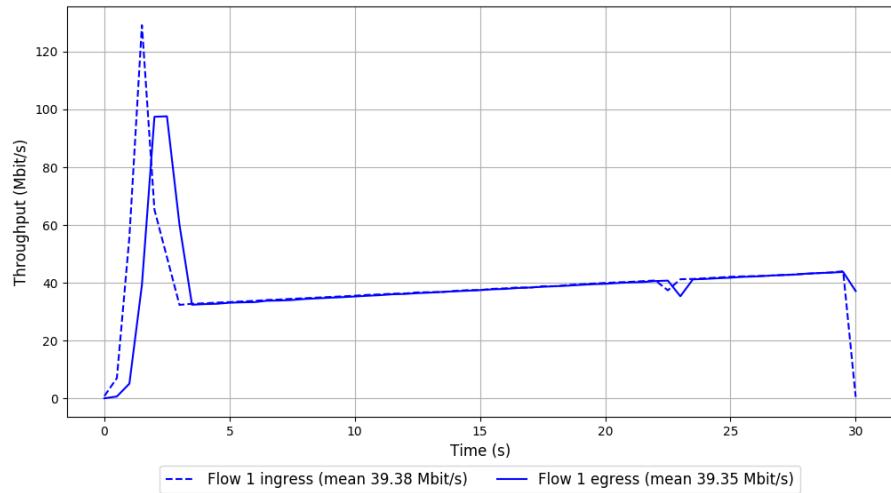


Run 3: Statistics of TCP Vegas

```
Start at: 2019-10-03 08:18:51
End at: 2019-10-03 08:19:21
Local clock offset: -6.623 ms
Remote clock offset: -106.104 ms

# Below is generated by plot.py at 2019-10-03 09:31:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.35 Mbit/s
95th percentile per-packet one-way delay: 164.269 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 39.35 Mbit/s
95th percentile per-packet one-way delay: 164.269 ms
Loss rate: 0.64%
```

Run 3: Report of TCP Vegas — Data Link

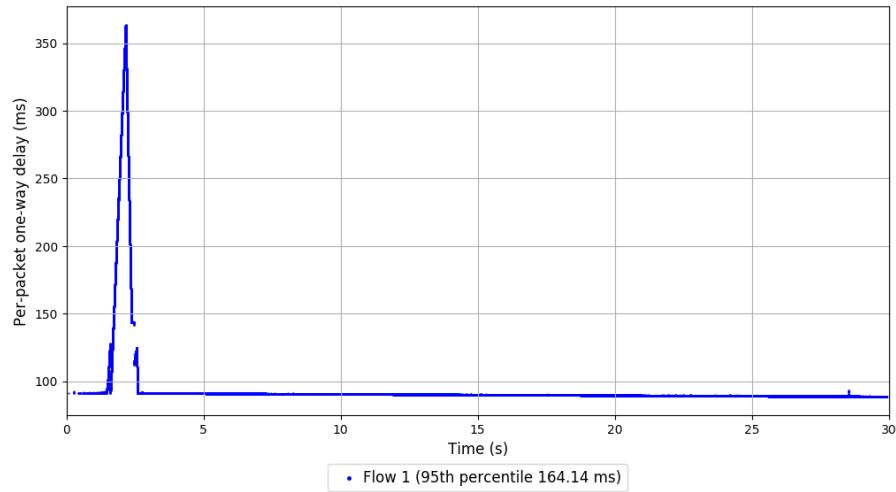
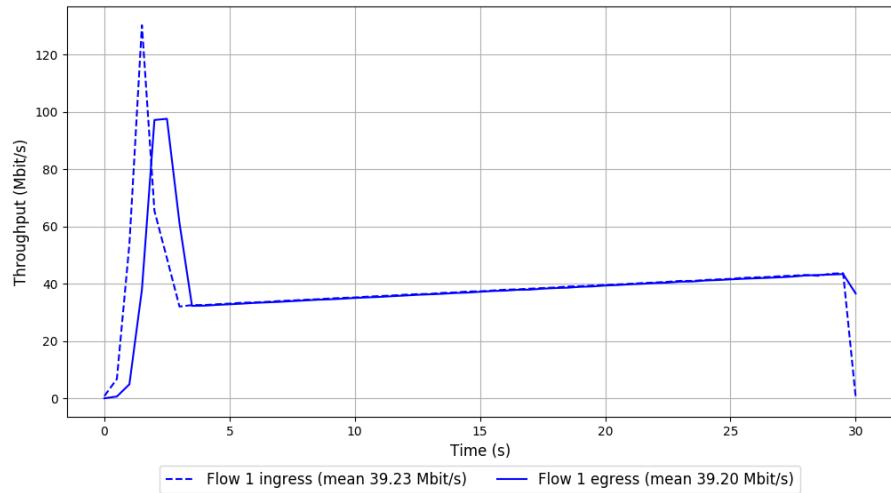


Run 4: Statistics of TCP Vegas

```
Start at: 2019-10-03 08:47:12
End at: 2019-10-03 08:47:42
Local clock offset: -6.748 ms
Remote clock offset: -269.086 ms

# Below is generated by plot.py at 2019-10-03 09:31:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.20 Mbit/s
95th percentile per-packet one-way delay: 164.140 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 39.20 Mbit/s
95th percentile per-packet one-way delay: 164.140 ms
Loss rate: 0.64%
```

Run 4: Report of TCP Vegas — Data Link

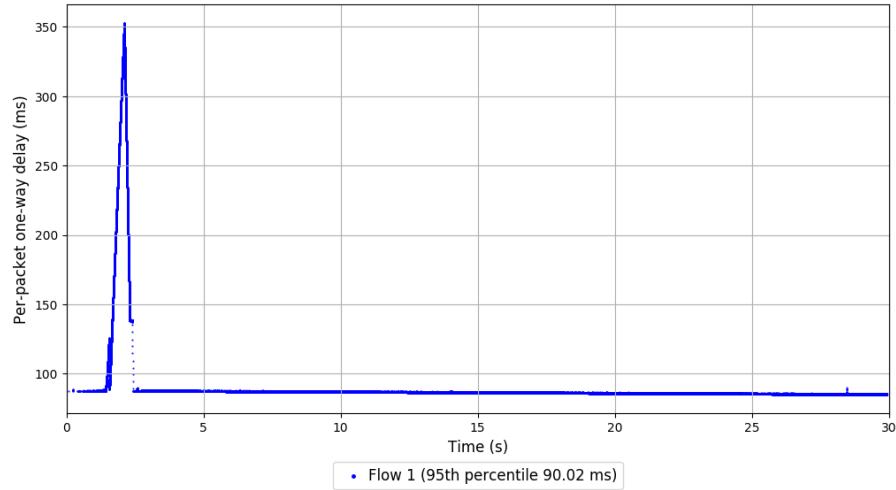
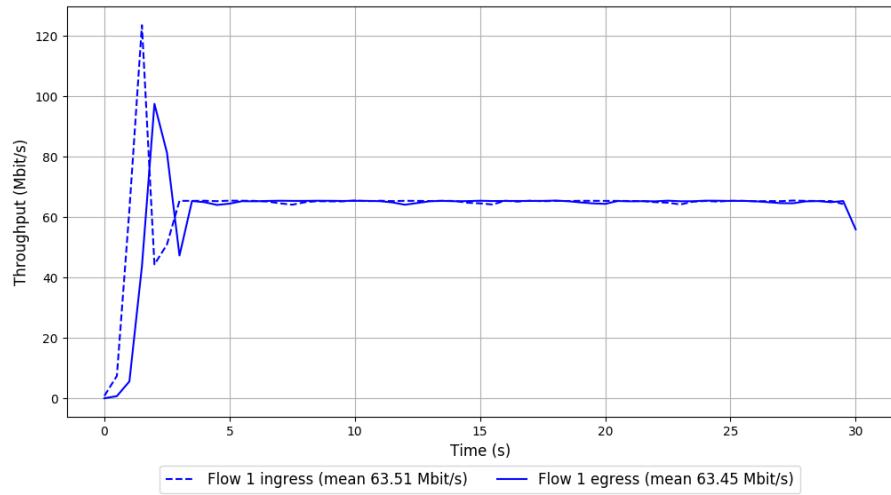


Run 5: Statistics of TCP Vegas

```
Start at: 2019-10-03 09:15:34
End at: 2019-10-03 09:16:04
Local clock offset: -5.924 ms
Remote clock offset: -432.772 ms

# Below is generated by plot.py at 2019-10-03 09:31:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.45 Mbit/s
95th percentile per-packet one-way delay: 90.023 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 63.45 Mbit/s
95th percentile per-packet one-way delay: 90.023 ms
Loss rate: 0.64%
```

Run 5: Report of TCP Vegas — Data Link

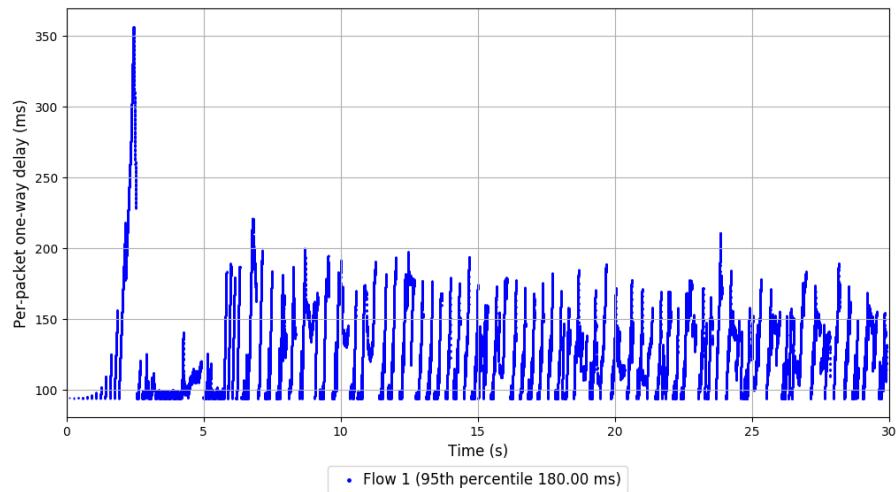
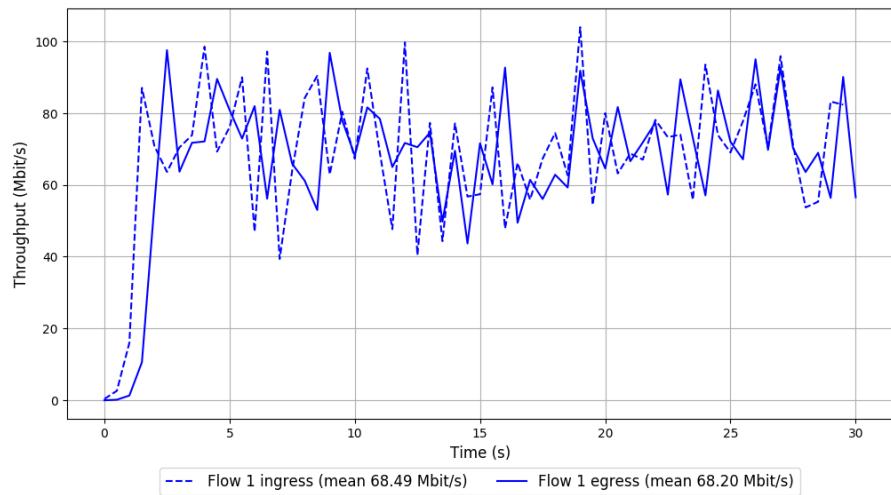


Run 1: Statistics of Verus

```
Start at: 2019-10-03 07:14:56
End at: 2019-10-03 07:15:26
Local clock offset: -5.564 ms
Remote clock offset: -274.002 ms

# Below is generated by plot.py at 2019-10-03 09:31:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.20 Mbit/s
95th percentile per-packet one-way delay: 180.000 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 68.20 Mbit/s
95th percentile per-packet one-way delay: 180.000 ms
Loss rate: 0.98%
```

Run 1: Report of Verus — Data Link

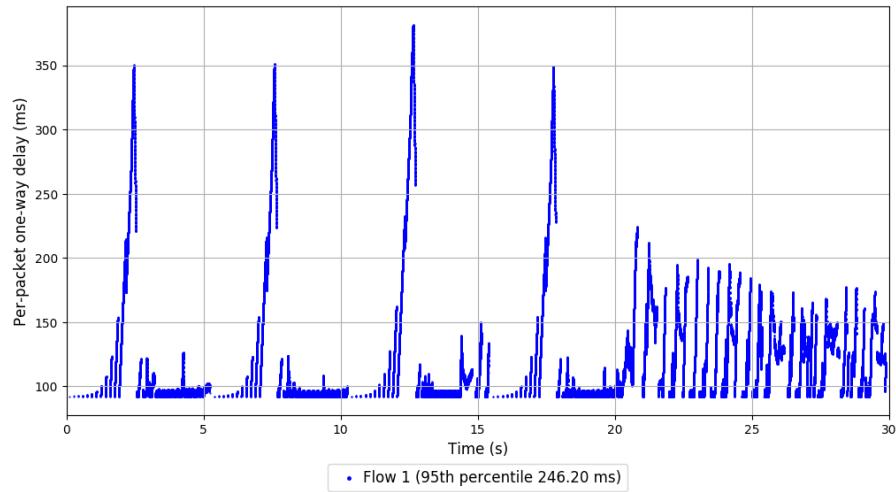
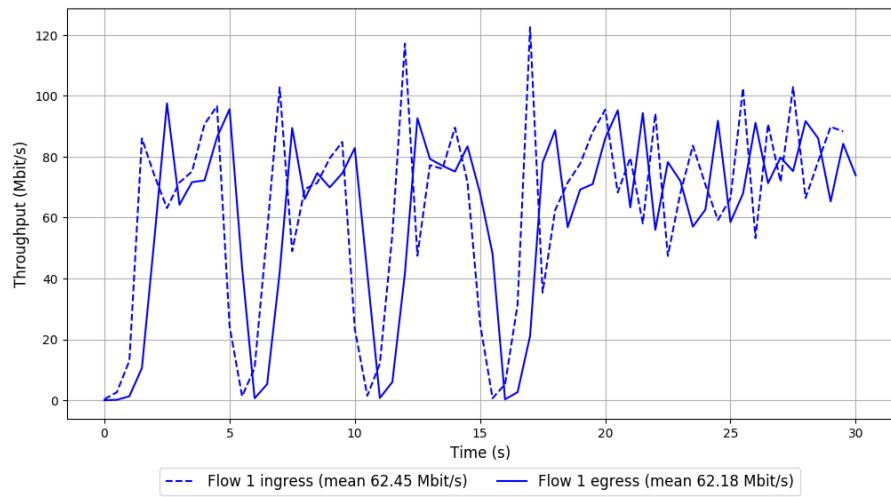


Run 2: Statistics of Verus

```
Start at: 2019-10-03 07:43:18
End at: 2019-10-03 07:43:48
Local clock offset: -6.52 ms
Remote clock offset: -292.011 ms

# Below is generated by plot.py at 2019-10-03 09:31:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.18 Mbit/s
95th percentile per-packet one-way delay: 246.198 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 62.18 Mbit/s
95th percentile per-packet one-way delay: 246.198 ms
Loss rate: 1.12%
```

Run 2: Report of Verus — Data Link

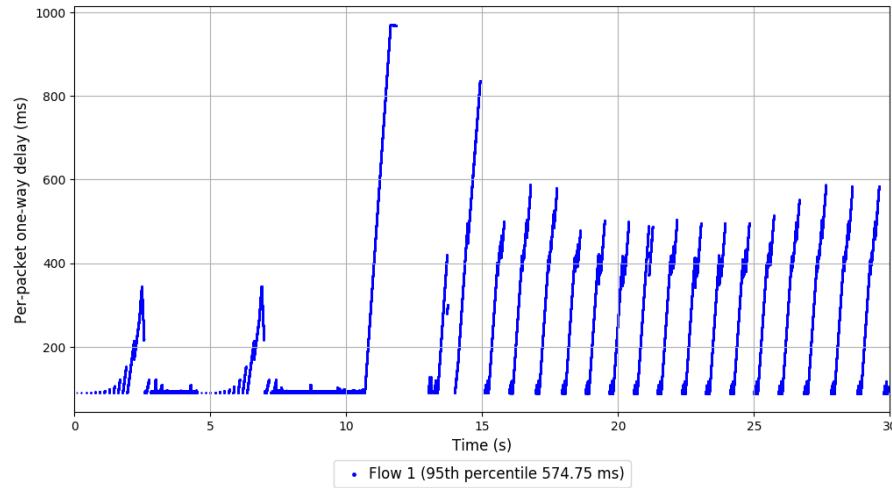
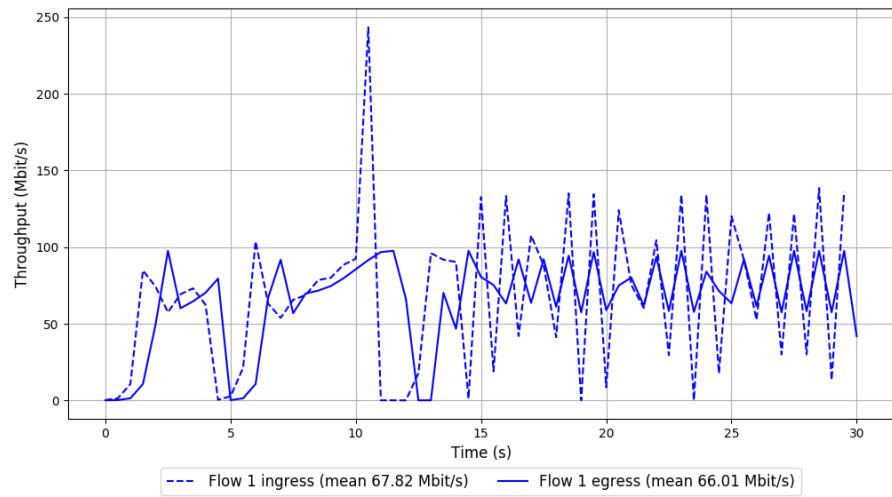


Run 3: Statistics of Verus

```
Start at: 2019-10-03 08:11:39
End at: 2019-10-03 08:12:09
Local clock offset: -6.586 ms
Remote clock offset: -64.697 ms

# Below is generated by plot.py at 2019-10-03 09:31:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.01 Mbit/s
95th percentile per-packet one-way delay: 574.755 ms
Loss rate: 3.16%
-- Flow 1:
Average throughput: 66.01 Mbit/s
95th percentile per-packet one-way delay: 574.755 ms
Loss rate: 3.16%
```

Run 3: Report of Verus — Data Link

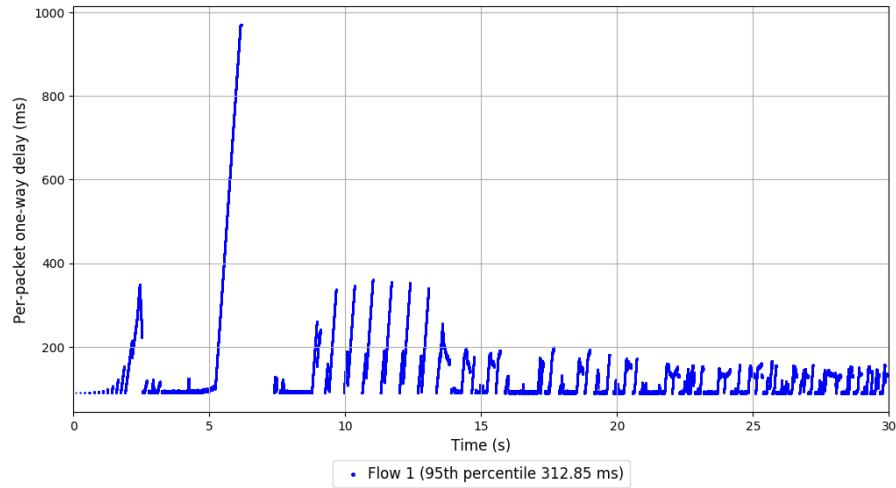
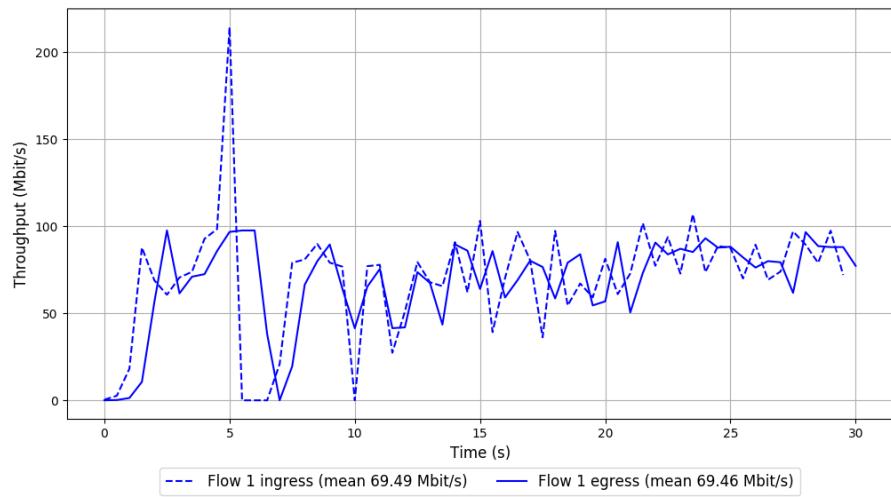


Run 4: Statistics of Verus

```
Start at: 2019-10-03 08:40:05
End at: 2019-10-03 08:40:35
Local clock offset: -6.71 ms
Remote clock offset: -228.169 ms

# Below is generated by plot.py at 2019-10-03 09:31:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.46 Mbit/s
95th percentile per-packet one-way delay: 312.847 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 69.46 Mbit/s
95th percentile per-packet one-way delay: 312.847 ms
Loss rate: 0.60%
```

Run 4: Report of Verus — Data Link

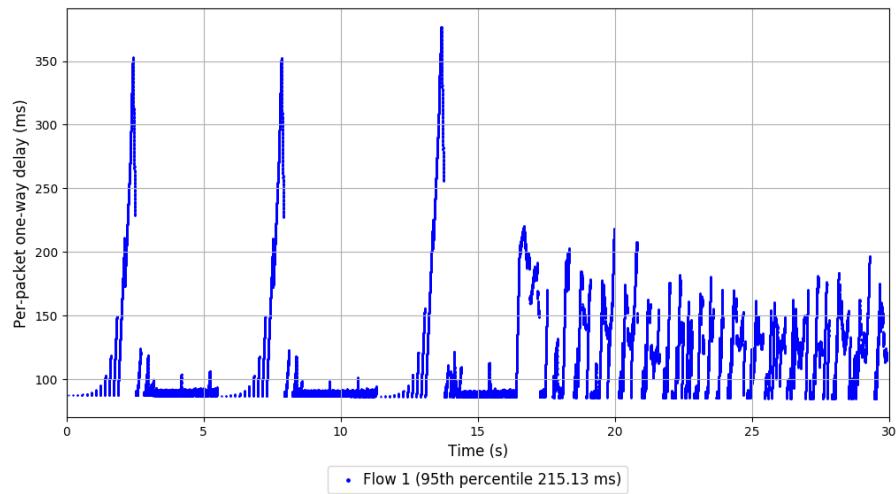
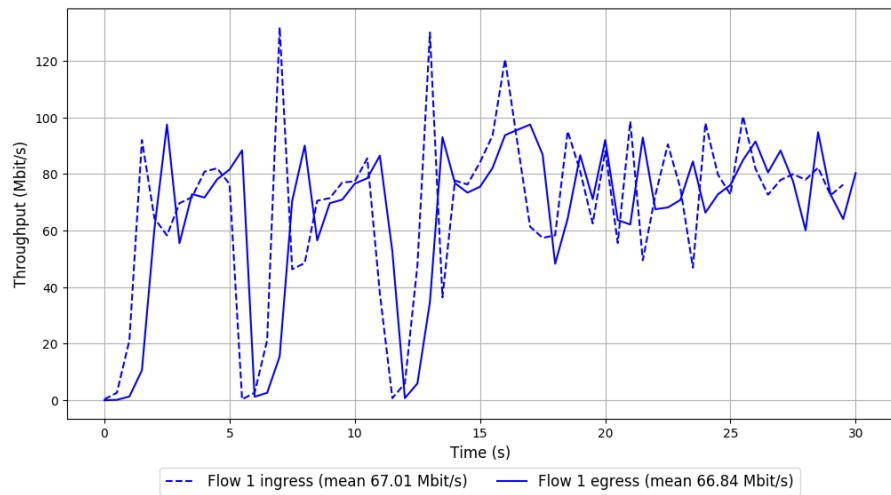


Run 5: Statistics of Verus

```
Start at: 2019-10-03 09:08:27
End at: 2019-10-03 09:08:57
Local clock offset: -6.008 ms
Remote clock offset: -390.319 ms

# Below is generated by plot.py at 2019-10-03 09:31:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.84 Mbit/s
95th percentile per-packet one-way delay: 215.135 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 66.84 Mbit/s
95th percentile per-packet one-way delay: 215.135 ms
Loss rate: 0.77%
```

Run 5: Report of Verus — Data Link

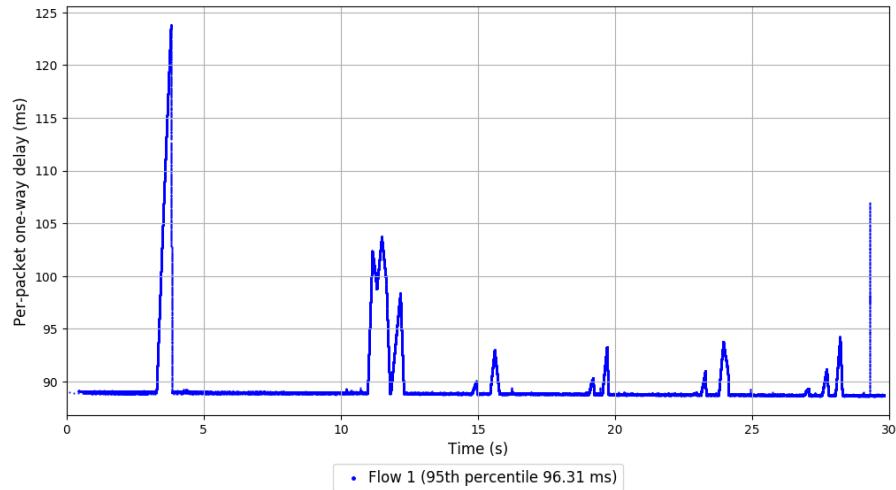
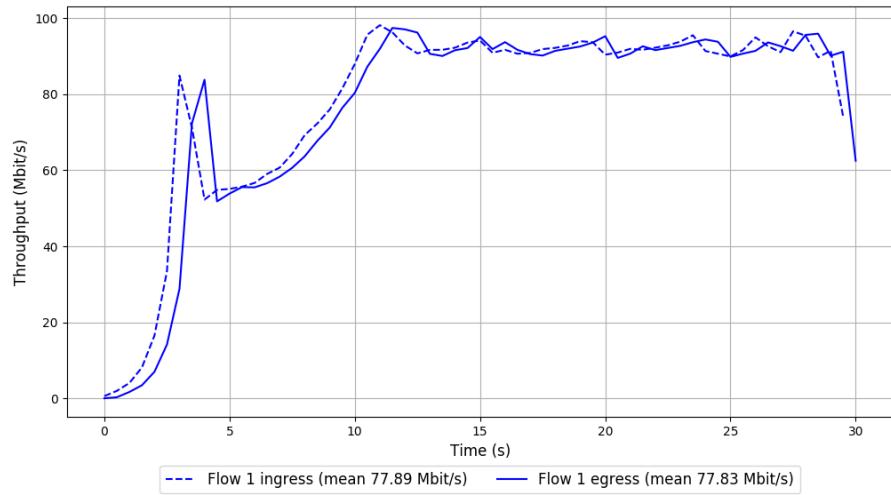


Run 1: Statistics of PCC-Vivace

```
Start at: 2019-10-03 07:09:05
End at: 2019-10-03 07:09:35
Local clock offset: -5.828 ms
Remote clock offset: -268.191 ms

# Below is generated by plot.py at 2019-10-03 09:31:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.83 Mbit/s
95th percentile per-packet one-way delay: 96.310 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 77.83 Mbit/s
95th percentile per-packet one-way delay: 96.310 ms
Loss rate: 0.62%
```

Run 1: Report of PCC-Vivace — Data Link

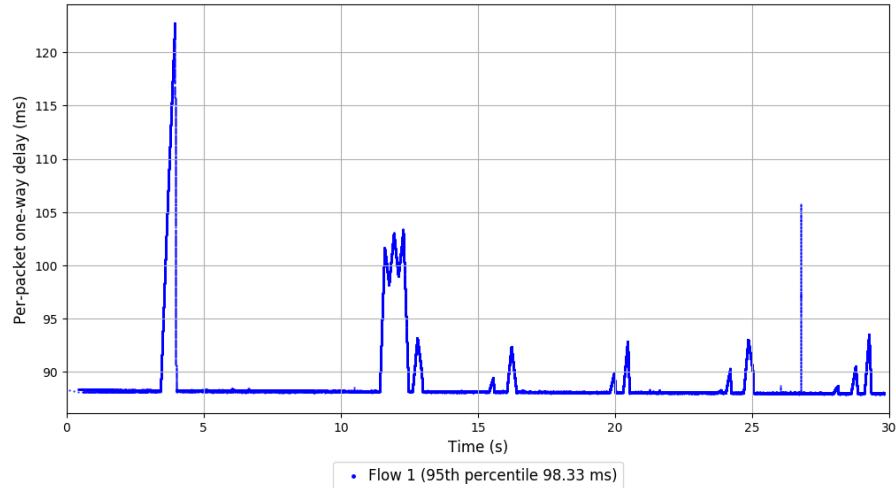
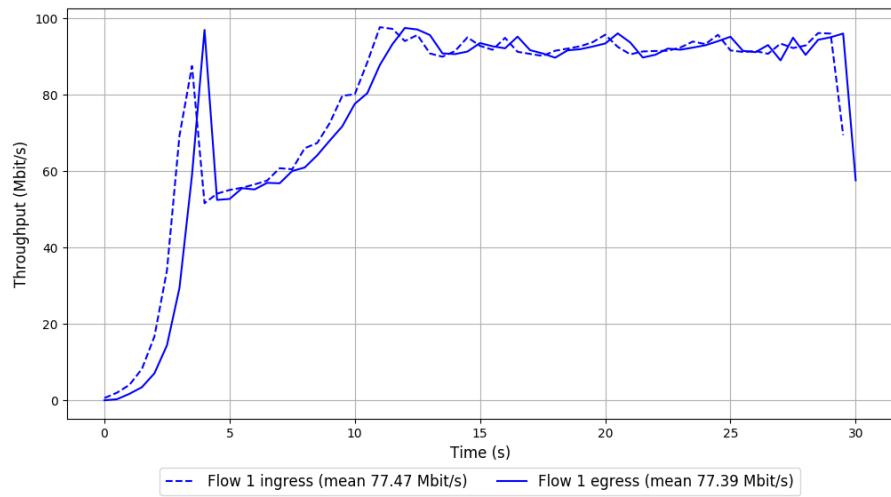


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-10-03 07:37:27
End at: 2019-10-03 07:37:57
Local clock offset: -6.403 ms
Remote clock offset: -288.109 ms

# Below is generated by plot.py at 2019-10-03 09:31:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.39 Mbit/s
95th percentile per-packet one-way delay: 98.328 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 77.39 Mbit/s
95th percentile per-packet one-way delay: 98.328 ms
Loss rate: 0.64%
```

Run 2: Report of PCC-Vivace — Data Link

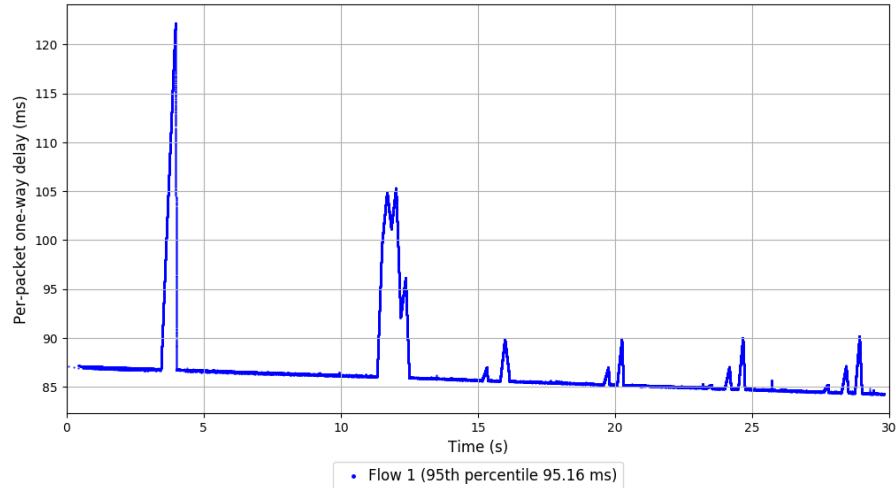
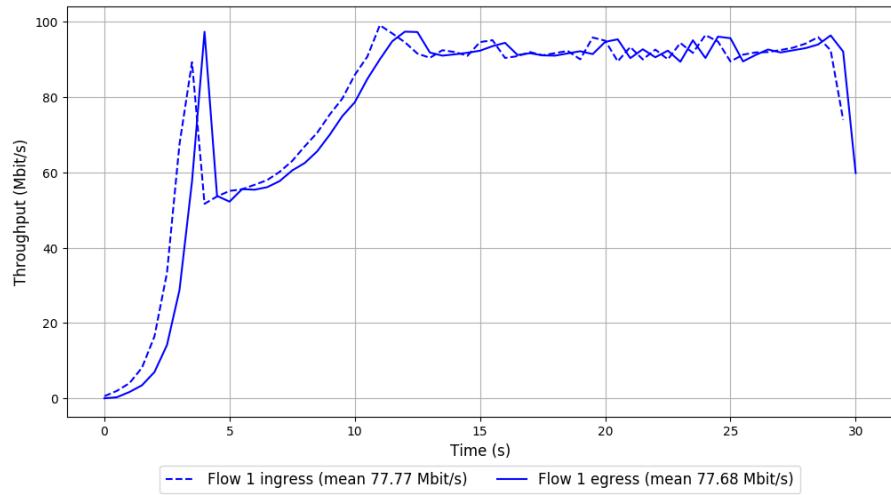


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-10-03 08:05:50
End at: 2019-10-03 08:06:20
Local clock offset: -6.667 ms
Remote clock offset: -30.202 ms

# Below is generated by plot.py at 2019-10-03 09:31:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.68 Mbit/s
95th percentile per-packet one-way delay: 95.156 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 77.68 Mbit/s
95th percentile per-packet one-way delay: 95.156 ms
Loss rate: 0.66%
```

Run 3: Report of PCC-Vivace — Data Link

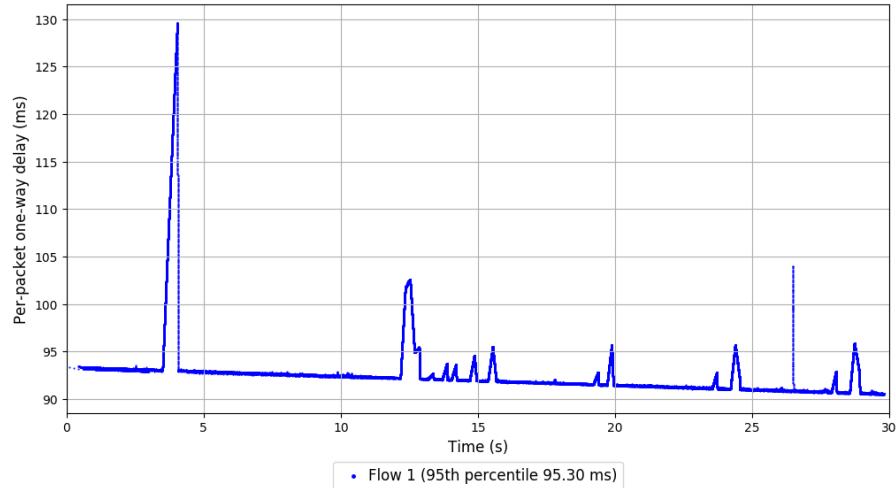
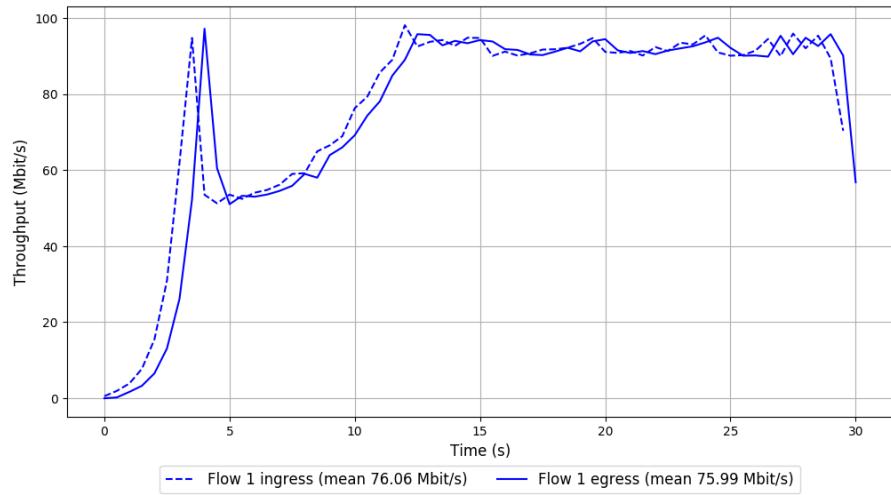


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-10-03 08:34:15
End at: 2019-10-03 08:34:45
Local clock offset: -6.745 ms
Remote clock offset: -196.407 ms

# Below is generated by plot.py at 2019-10-03 09:31:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.99 Mbit/s
95th percentile per-packet one-way delay: 95.299 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 75.99 Mbit/s
95th percentile per-packet one-way delay: 95.299 ms
Loss rate: 0.65%
```

Run 4: Report of PCC-Vivace — Data Link

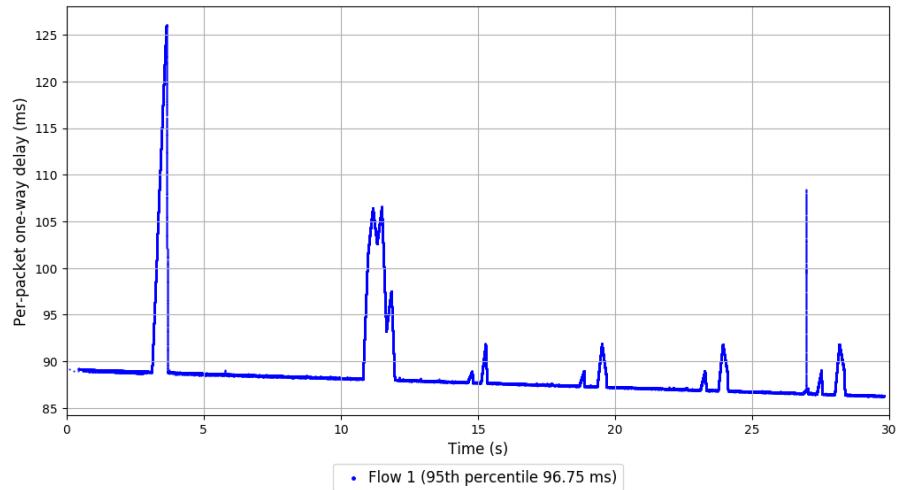
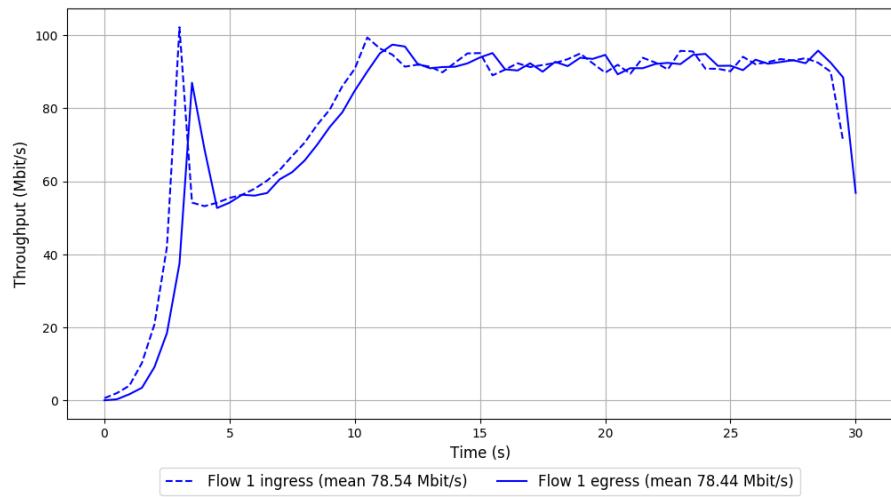


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-10-03 09:02:36
End at: 2019-10-03 09:03:06
Local clock offset: -6.197 ms
Remote clock offset: -358.987 ms

# Below is generated by plot.py at 2019-10-03 09:31:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.44 Mbit/s
95th percentile per-packet one-way delay: 96.747 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 78.44 Mbit/s
95th percentile per-packet one-way delay: 96.747 ms
Loss rate: 0.67%
```

Run 5: Report of PCC-Vivace — Data Link

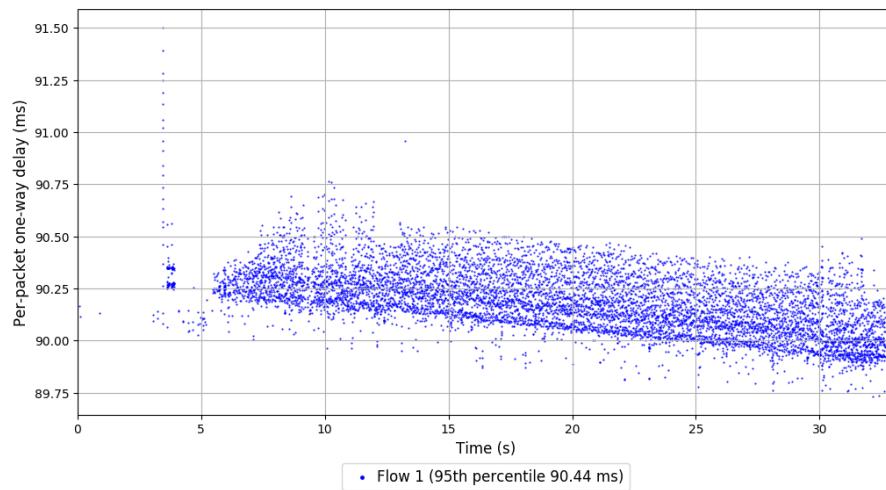
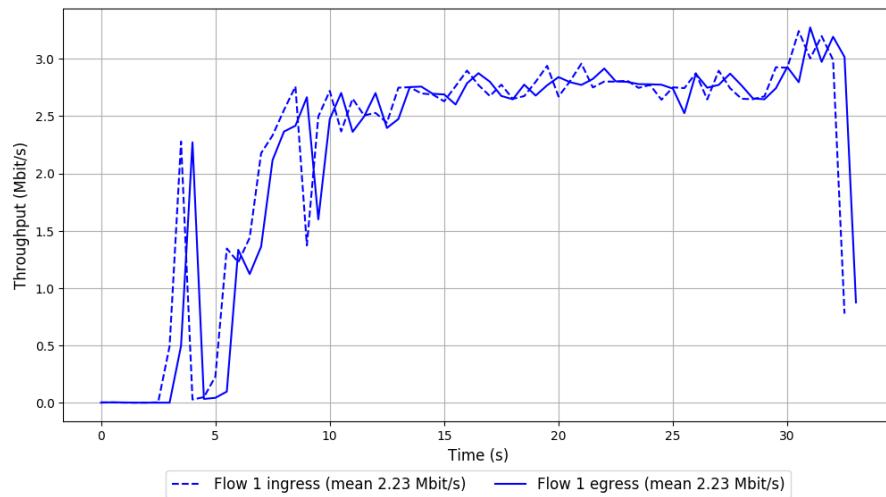


```
Run 1: Statistics of WebRTC media
```

```
Start at: 2019-10-03 07:10:18
End at: 2019-10-03 07:10:48
Local clock offset: -5.716 ms
Remote clock offset: -270.599 ms

# Below is generated by plot.py at 2019-10-03 09:31:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 90.435 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 2.23 Mbit/s
95th percentile per-packet one-way delay: 90.435 ms
Loss rate: 0.27%
```

Run 1: Report of WebRTC media — Data Link

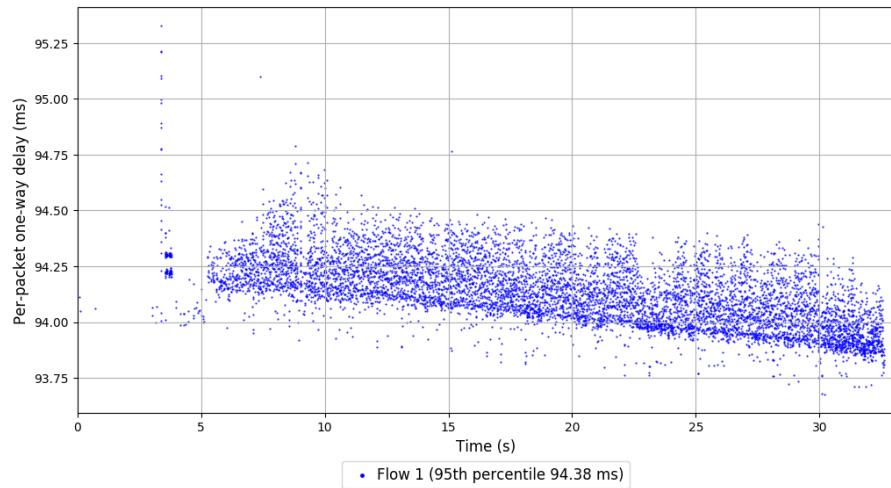
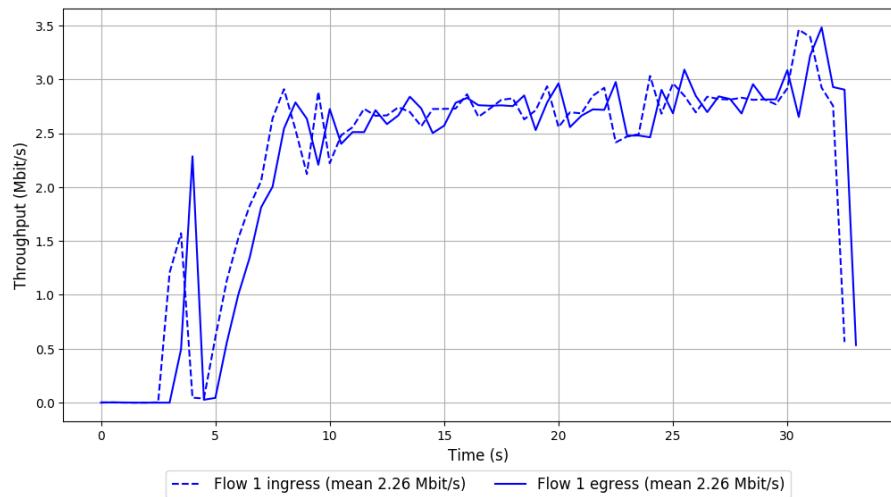


Run 2: Statistics of WebRTC media

```
Start at: 2019-10-03 07:38:39
End at: 2019-10-03 07:39:09
Local clock offset: -6.443 ms
Remote clock offset: -290.393 ms

# Below is generated by plot.py at 2019-10-03 09:31:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 94.384 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 94.384 ms
Loss rate: 0.33%
```

Run 2: Report of WebRTC media — Data Link

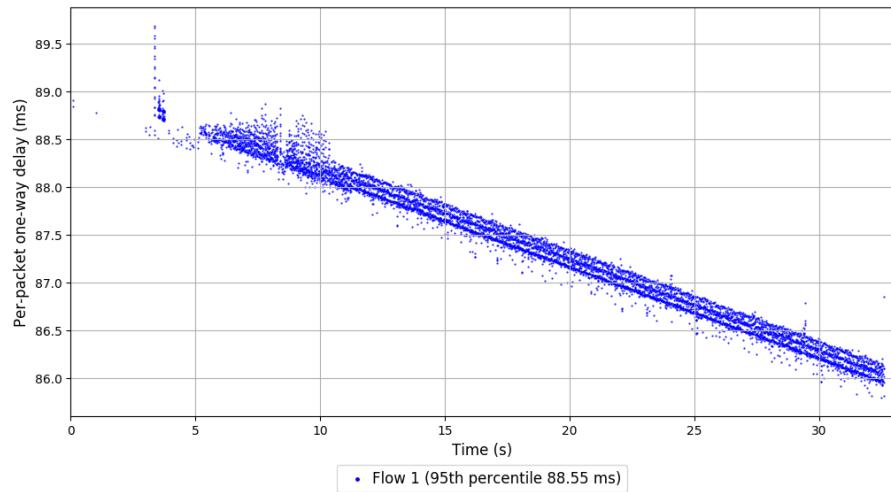
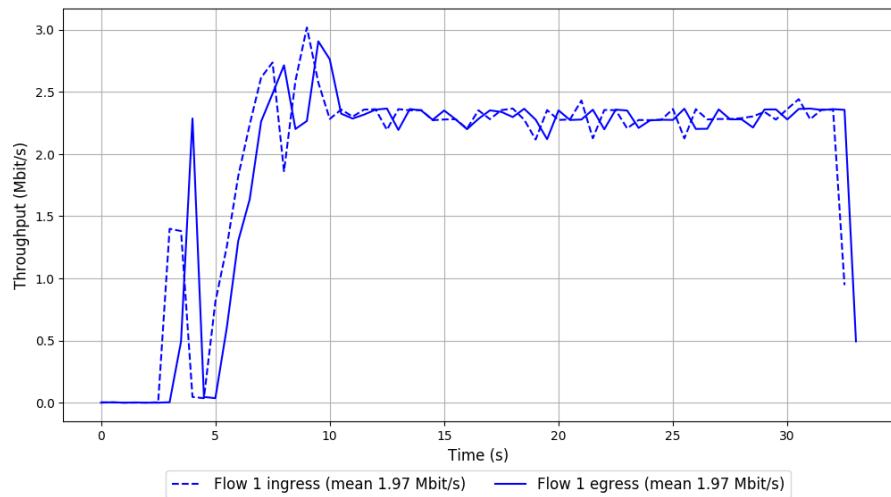


Run 3: Statistics of WebRTC media

```
Start at: 2019-10-03 08:07:02
End at: 2019-10-03 08:07:32
Local clock offset: -6.586 ms
Remote clock offset: -38.671 ms

# Below is generated by plot.py at 2019-10-03 09:31:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 88.546 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 88.546 ms
Loss rate: 0.66%
```

Run 3: Report of WebRTC media — Data Link

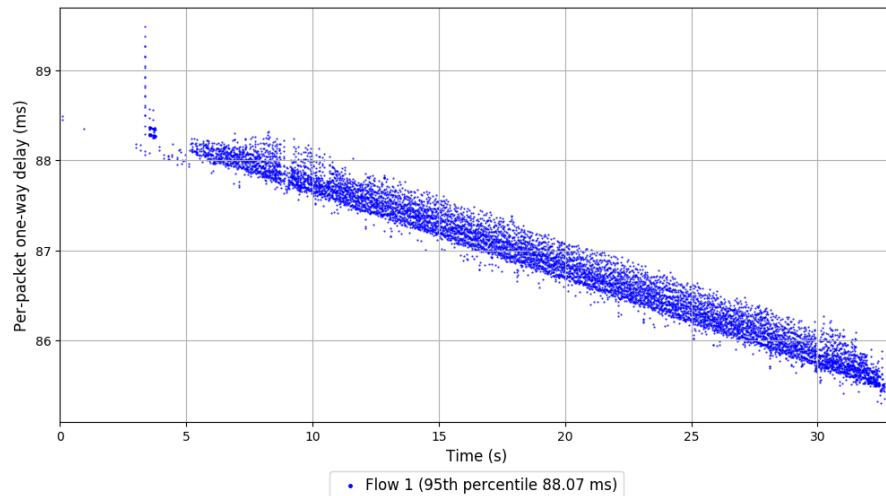
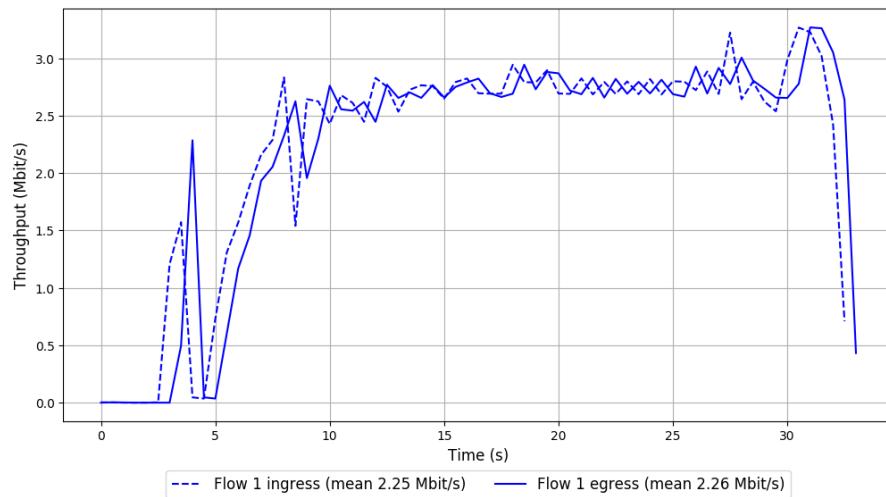


Run 4: Statistics of WebRTC media

```
Start at: 2019-10-03 08:35:27
End at: 2019-10-03 08:35:57
Local clock offset: -6.689 ms
Remote clock offset: -202.106 ms

# Below is generated by plot.py at 2019-10-03 09:31:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 88.067 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 88.067 ms
Loss rate: 0.37%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-10-03 09:03:48
End at: 2019-10-03 09:04:19
Local clock offset: -6.171 ms
Remote clock offset: -366.873 ms

# Below is generated by plot.py at 2019-10-03 09:31:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 90.195 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 90.195 ms
Loss rate: 0.35%
```

Run 5: Report of WebRTC media — Data Link

