

Pantheon Report

Generated at 2019-11-24 14:16:02 (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.

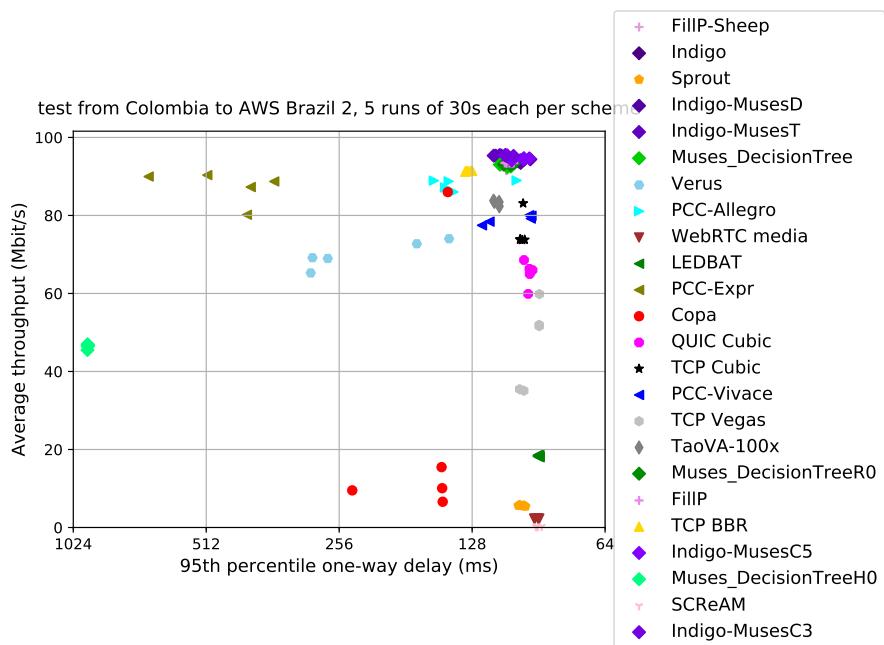
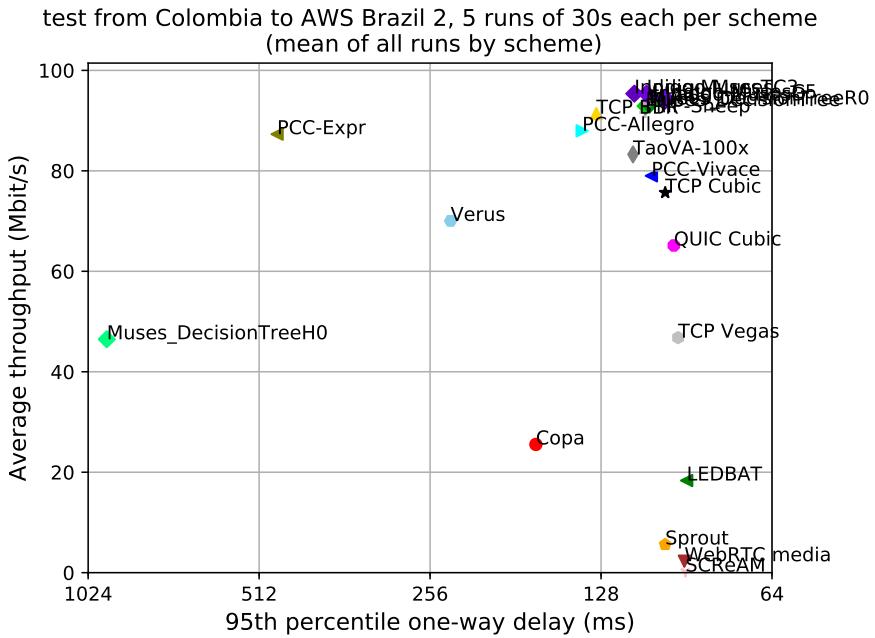
System info:

```
Linux 4.15.0-1051-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



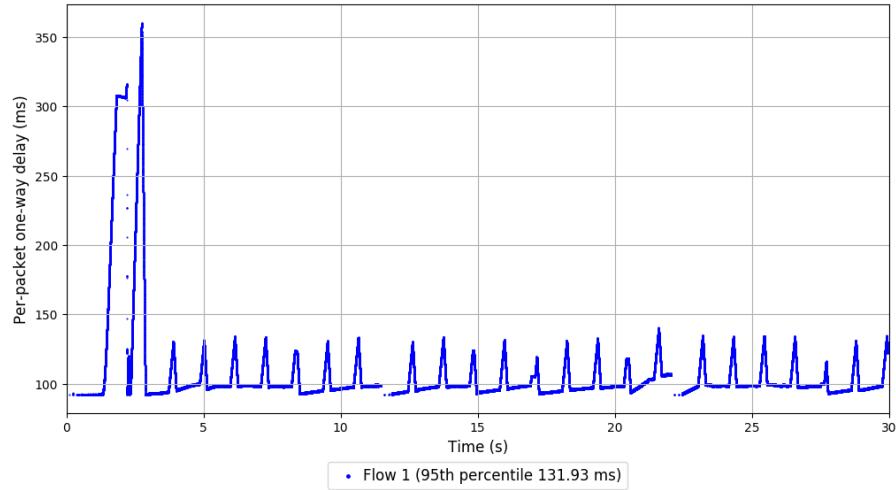
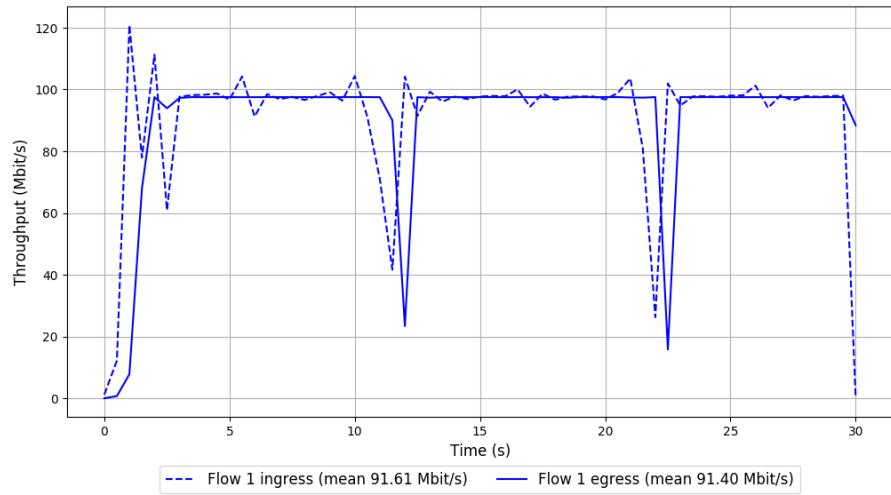
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	91.38	130.48	0.79
Copa	5	25.54	166.70	0.34
TCP Cubic	5	75.66	98.68	0.45
FillP	5	93.42	105.48	0.50
FillP-Sheep	5	91.64	107.08	0.53
Indigo	5	94.19	103.74	0.54
Indigo-MusesC3	5	95.36	106.40	2.19
Indigo-MusesC5	4	94.46	98.74	0.86
Indigo-MusesD	5	93.98	98.77	0.56
Indigo-MusesT	5	95.37	111.84	7.93
LEDBAT	5	18.35	90.46	0.92
Muses_DecisionTree	5	92.90	106.84	1.85
Muses_DecisionTreeH0	5	46.47	949.45	2.07
Muses_DecisionTreeR0	5	93.23	105.17	2.29
PCC-Allegro	5	87.97	138.17	0.62
PCC-Expr	5	87.30	476.02	3.52
QUIC Cubic	5	65.14	95.30	0.72
SCReAM	5	0.22	90.91	0.48
Sprout	5	5.61	98.69	0.59
TaoVA-100x	5	83.27	112.45	0.53
TCP Vegas	5	46.79	93.66	0.56
Verus	5	70.03	235.60	0.81
PCC-Vivace	5	79.01	104.37	0.57
WebRTC media	5	2.28	91.30	0.39

Run 1: Statistics of TCP BBR

```
Start at: 2019-11-24 11:50:55
End at: 2019-11-24 11:51:25
Local clock offset: -0.198 ms
Remote clock offset: -8.9 ms

# Below is generated by plot.py at 2019-11-24 14:03:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.40 Mbit/s
95th percentile per-packet one-way delay: 131.926 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 91.40 Mbit/s
95th percentile per-packet one-way delay: 131.926 ms
Loss rate: 0.69%
```

Run 1: Report of TCP BBR — Data Link

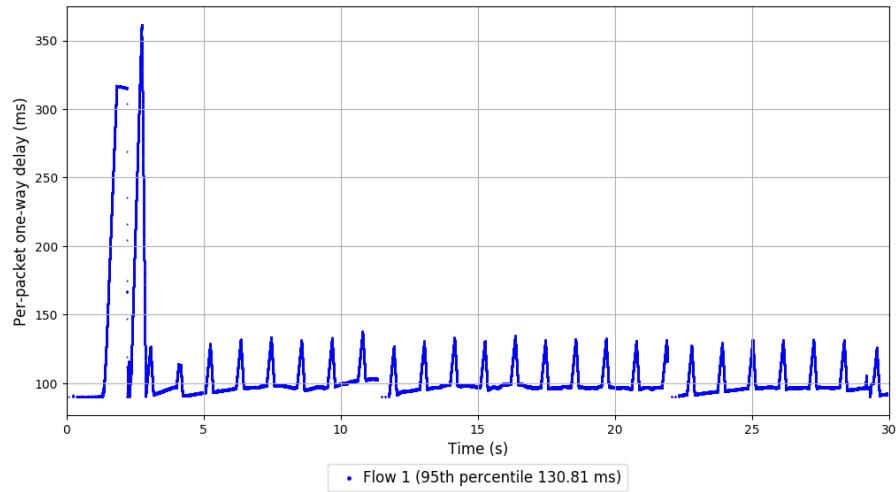
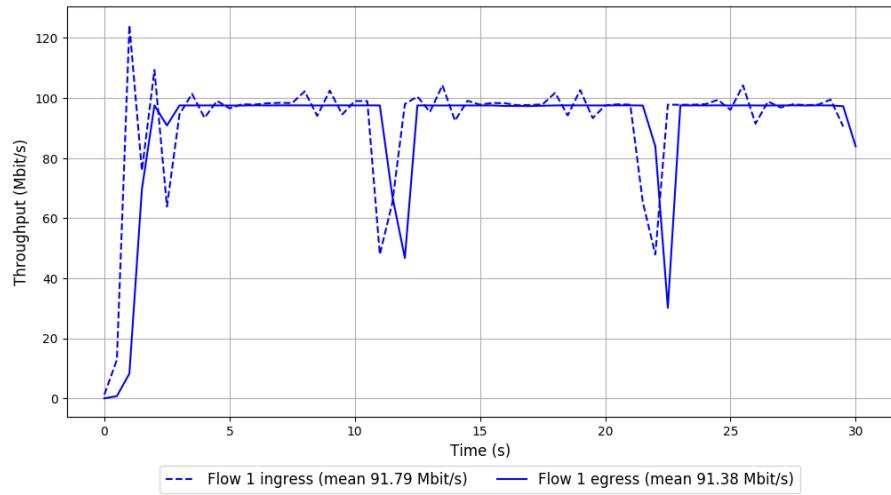


Run 2: Statistics of TCP BBR

```
Start at: 2019-11-24 12:19:03
End at: 2019-11-24 12:19:33
Local clock offset: -0.792 ms
Remote clock offset: -9.243 ms

# Below is generated by plot.py at 2019-11-24 14:03:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.38 Mbit/s
95th percentile per-packet one-way delay: 130.810 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 91.38 Mbit/s
95th percentile per-packet one-way delay: 130.810 ms
Loss rate: 0.90%
```

Run 2: Report of TCP BBR — Data Link

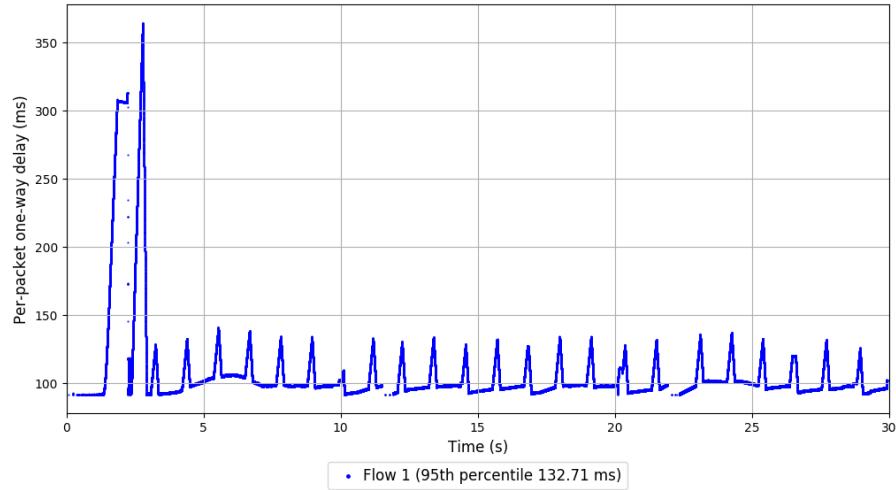
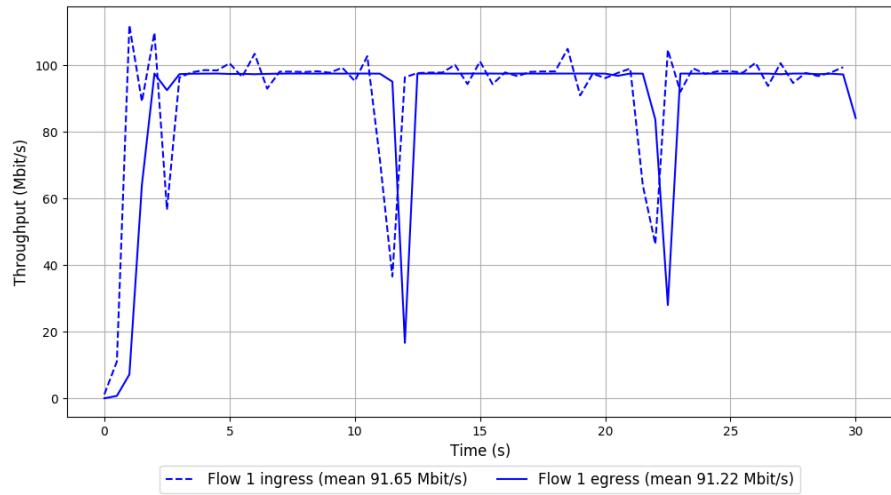


Run 3: Statistics of TCP BBR

```
Start at: 2019-11-24 12:47:11
End at: 2019-11-24 12:47:41
Local clock offset: -1.247 ms
Remote clock offset: -9.376 ms

# Below is generated by plot.py at 2019-11-24 14:03:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.22 Mbit/s
95th percentile per-packet one-way delay: 132.706 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 91.22 Mbit/s
95th percentile per-packet one-way delay: 132.706 ms
Loss rate: 0.94%
```

Run 3: Report of TCP BBR — Data Link

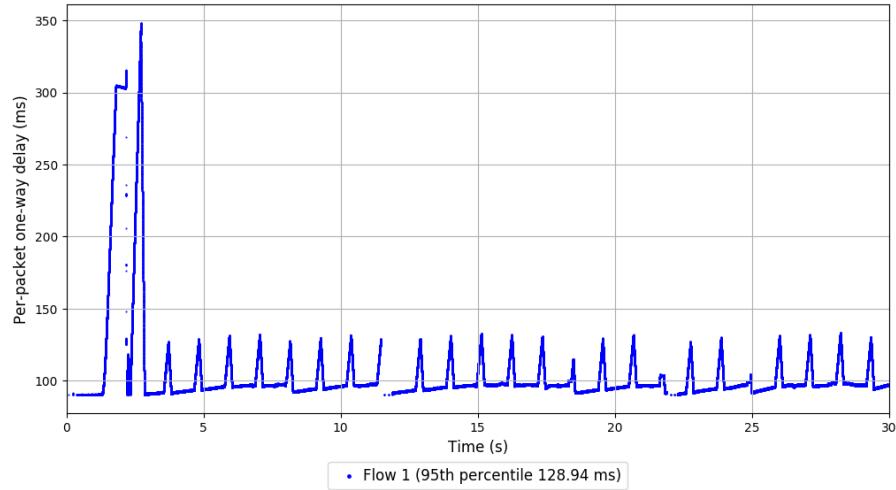
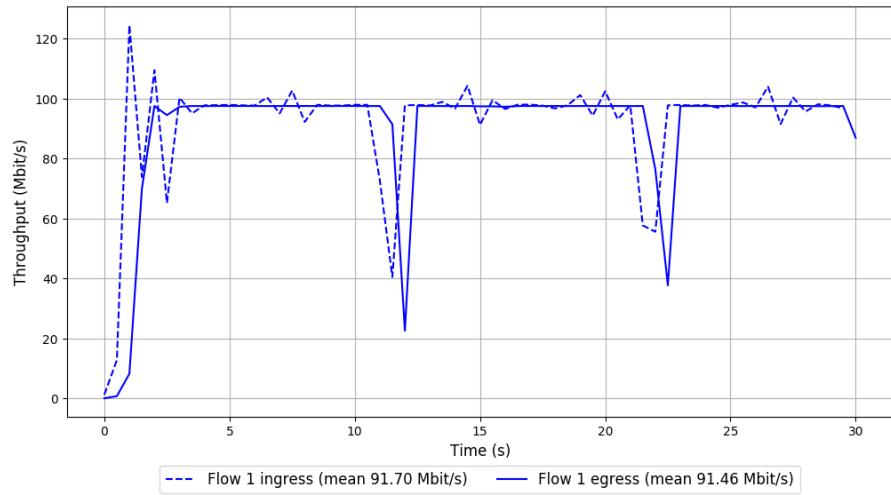


Run 4: Statistics of TCP BBR

```
Start at: 2019-11-24 13:15:19
End at: 2019-11-24 13:15:49
Local clock offset: 0.035 ms
Remote clock offset: -9.327 ms

# Below is generated by plot.py at 2019-11-24 14:03:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.46 Mbit/s
95th percentile per-packet one-way delay: 128.943 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 91.46 Mbit/s
95th percentile per-packet one-way delay: 128.943 ms
Loss rate: 0.71%
```

Run 4: Report of TCP BBR — Data Link

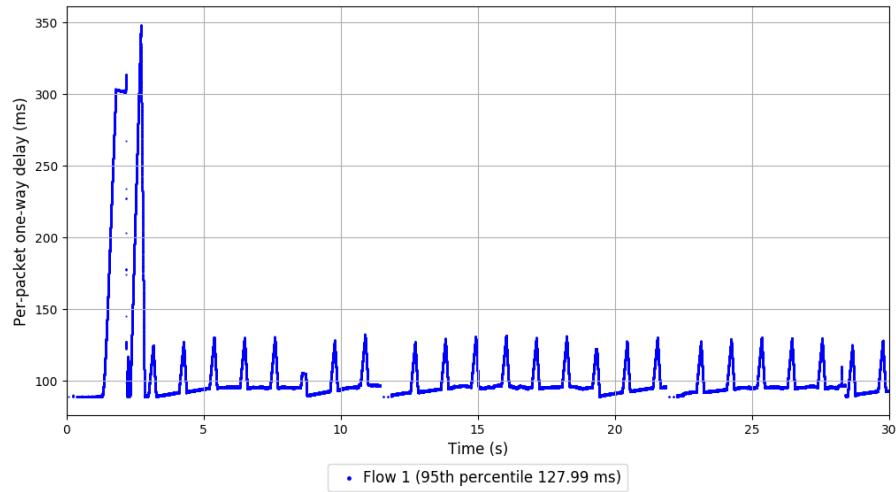
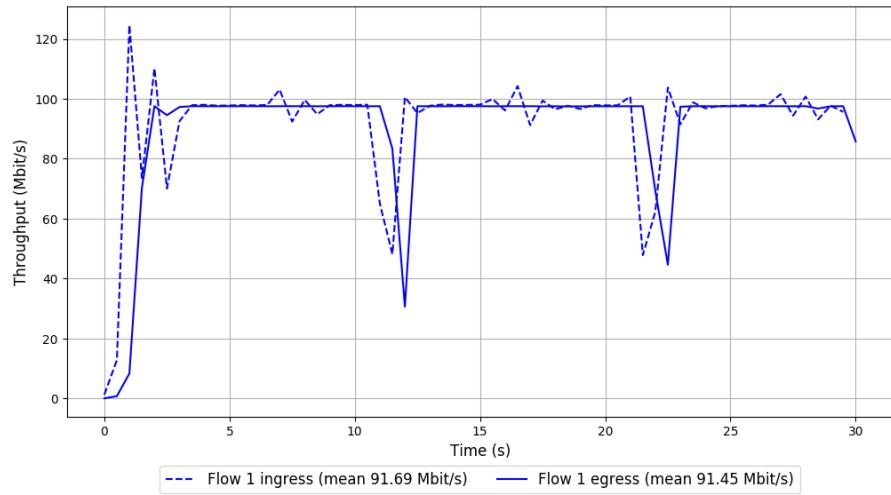


Run 5: Statistics of TCP BBR

```
Start at: 2019-11-24 13:43:32
End at: 2019-11-24 13:44:02
Local clock offset: -0.985 ms
Remote clock offset: -8.565 ms

# Below is generated by plot.py at 2019-11-24 14:03:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.45 Mbit/s
95th percentile per-packet one-way delay: 127.993 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 91.45 Mbit/s
95th percentile per-packet one-way delay: 127.993 ms
Loss rate: 0.72%
```

Run 5: Report of TCP BBR — Data Link

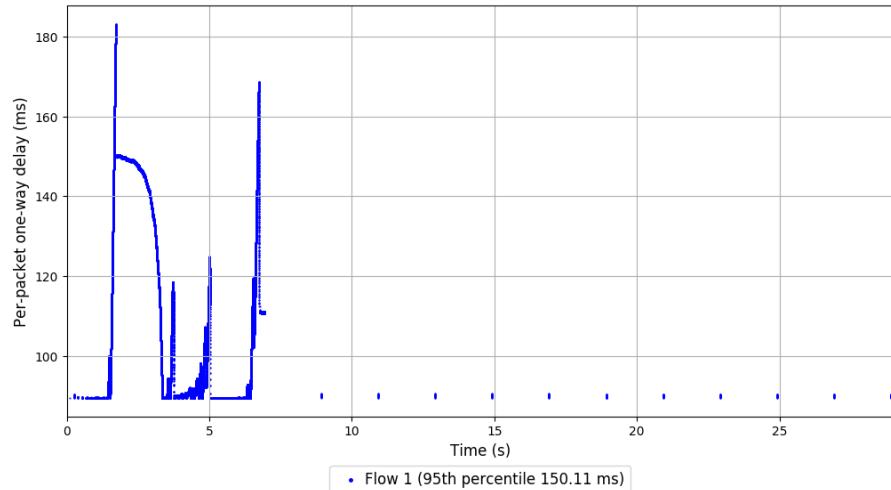
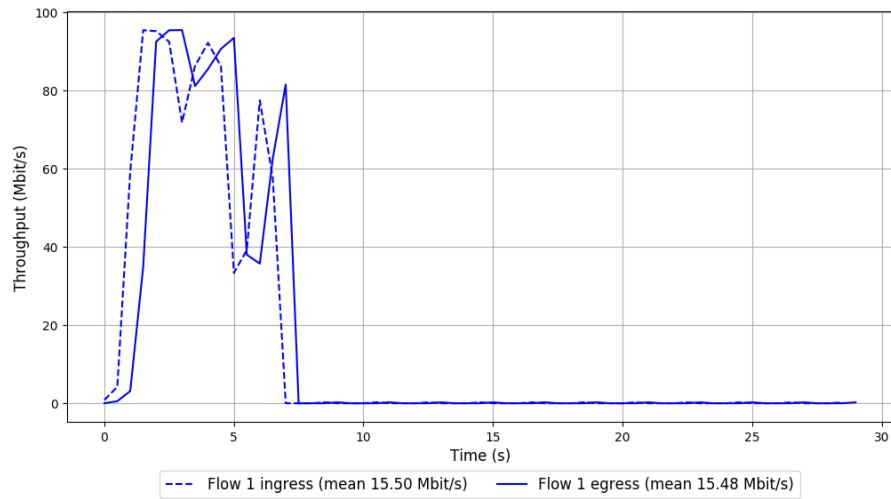


Run 1: Statistics of Copa

```
Start at: 2019-11-24 11:55:35
End at: 2019-11-24 11:56:05
Local clock offset: -0.9 ms
Remote clock offset: -9.164 ms

# Below is generated by plot.py at 2019-11-24 14:03:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 150.113 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 15.48 Mbit/s
95th percentile per-packet one-way delay: 150.113 ms
Loss rate: 0.13%
```

Run 1: Report of Copa — Data Link

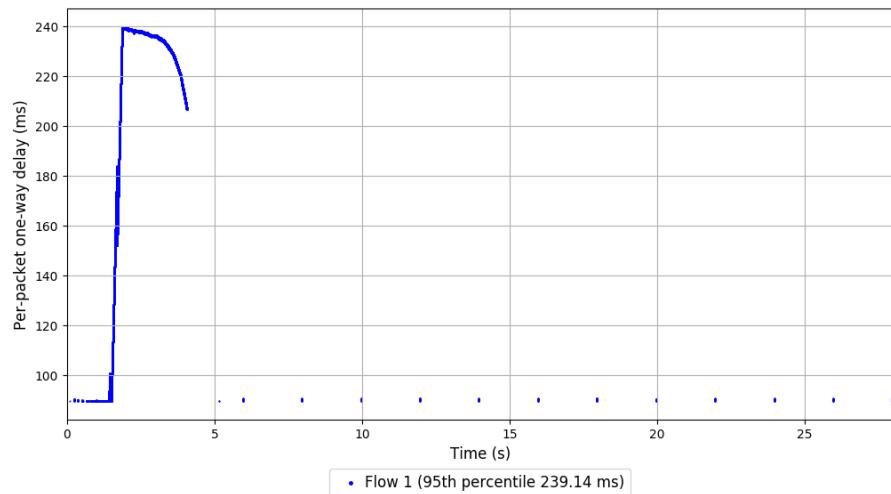
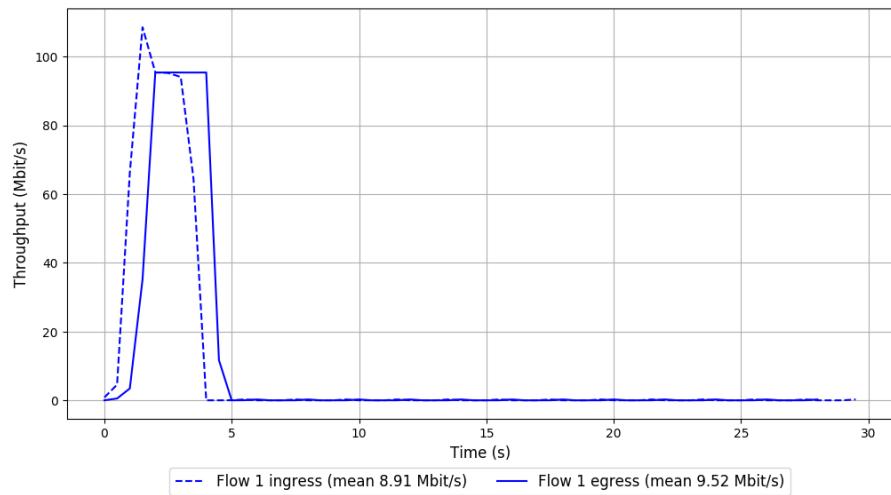


Run 2: Statistics of Copa

```
Start at: 2019-11-24 12:23:43
End at: 2019-11-24 12:24:13
Local clock offset: -0.893 ms
Remote clock offset: -8.712 ms

# Below is generated by plot.py at 2019-11-24 14:03:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.52 Mbit/s
95th percentile per-packet one-way delay: 239.139 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 9.52 Mbit/s
95th percentile per-packet one-way delay: 239.139 ms
Loss rate: 0.36%
```

Run 2: Report of Copa — Data Link

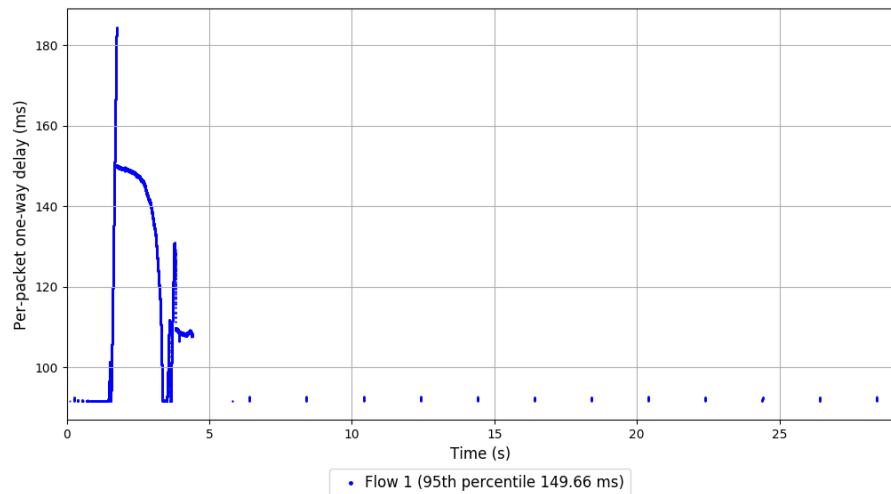
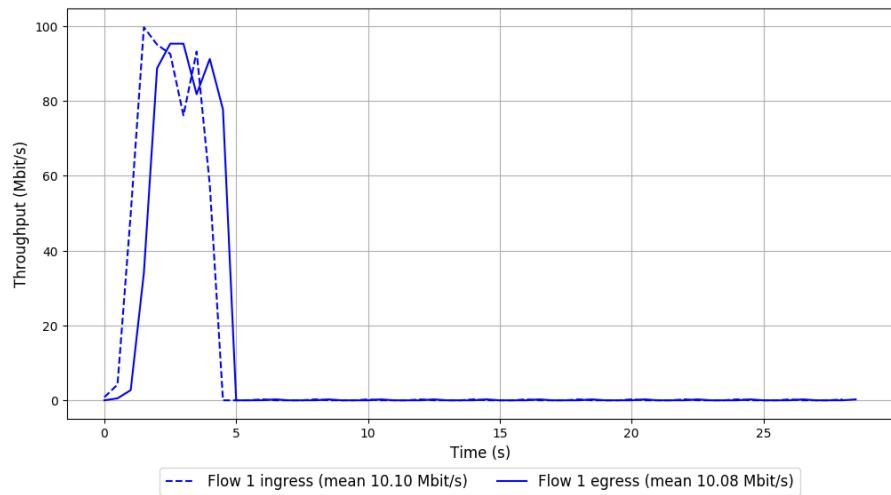


Run 3: Statistics of Copa

```
Start at: 2019-11-24 12:51:51
End at: 2019-11-24 12:52:21
Local clock offset: -1.069 ms
Remote clock offset: -9.325 ms

# Below is generated by plot.py at 2019-11-24 14:03:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.08 Mbit/s
95th percentile per-packet one-way delay: 149.658 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 10.08 Mbit/s
95th percentile per-packet one-way delay: 149.658 ms
Loss rate: 0.28%
```

Run 3: Report of Copa — Data Link

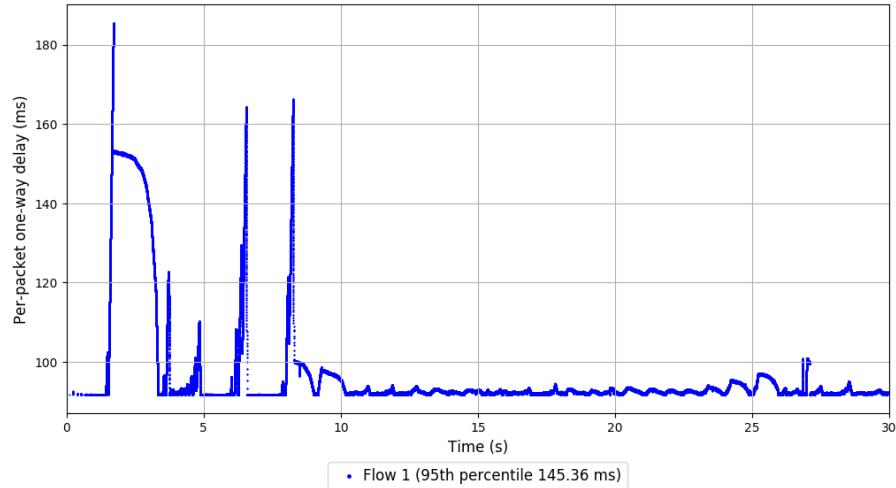
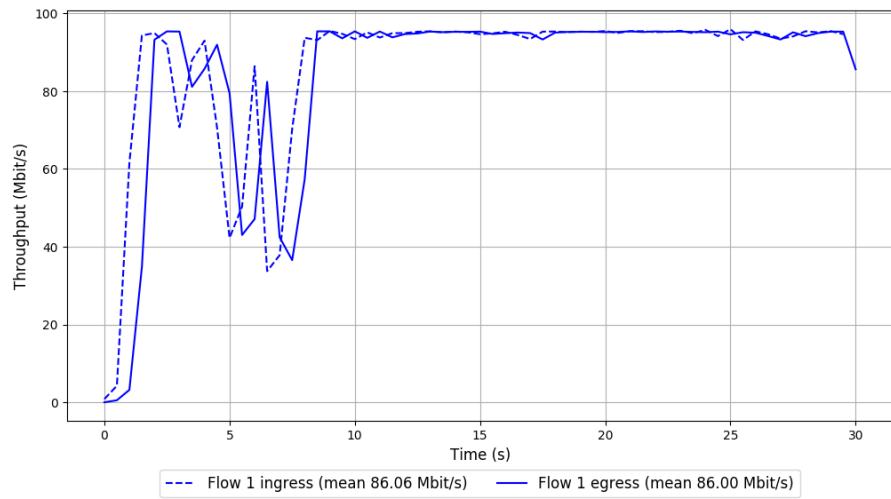


Run 4: Statistics of Copa

```
Start at: 2019-11-24 13:19:59
End at: 2019-11-24 13:20:29
Local clock offset: 0.062 ms
Remote clock offset: -8.753 ms

# Below is generated by plot.py at 2019-11-24 14:04:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.00 Mbit/s
95th percentile per-packet one-way delay: 145.360 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 86.00 Mbit/s
95th percentile per-packet one-way delay: 145.360 ms
Loss rate: 0.54%
```

Run 4: Report of Copa — Data Link

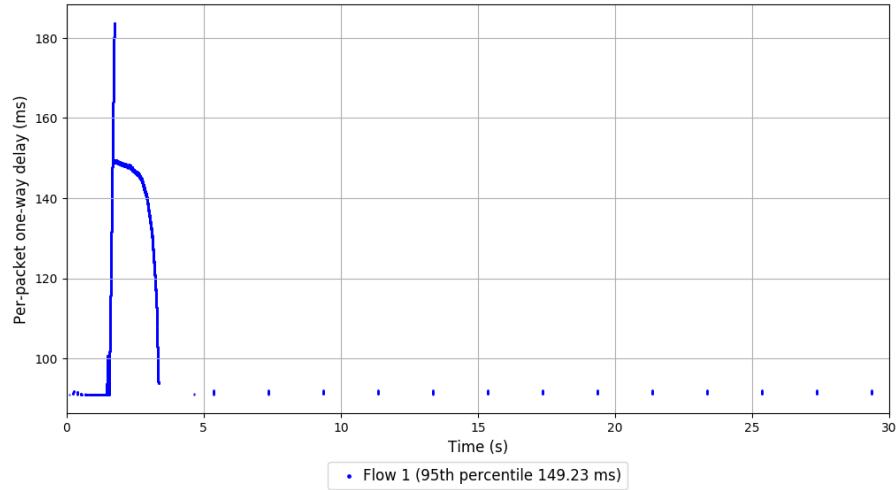
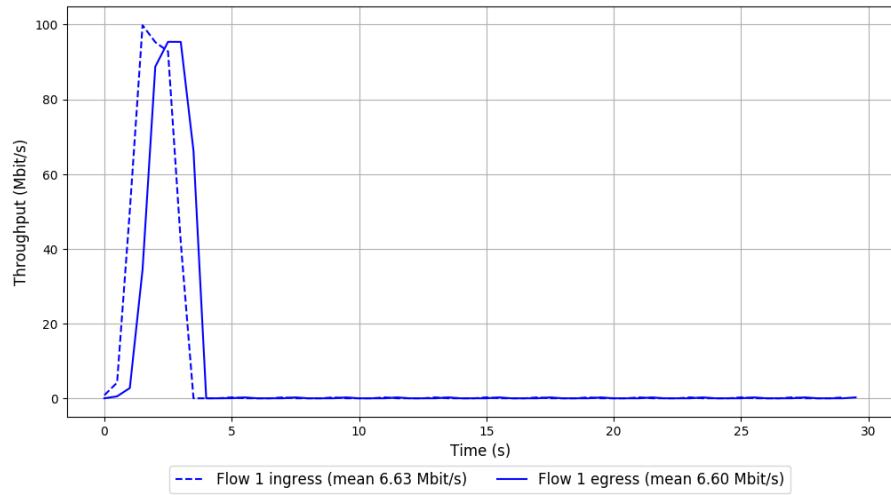


Run 5: Statistics of Copa

```
Start at: 2019-11-24 13:48:12
End at: 2019-11-24 13:48:42
Local clock offset: -1.266 ms
Remote clock offset: -8.578 ms

# Below is generated by plot.py at 2019-11-24 14:04:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.60 Mbit/s
95th percentile per-packet one-way delay: 149.232 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 6.60 Mbit/s
95th percentile per-packet one-way delay: 149.232 ms
Loss rate: 0.40%
```

Run 5: Report of Copa — Data Link

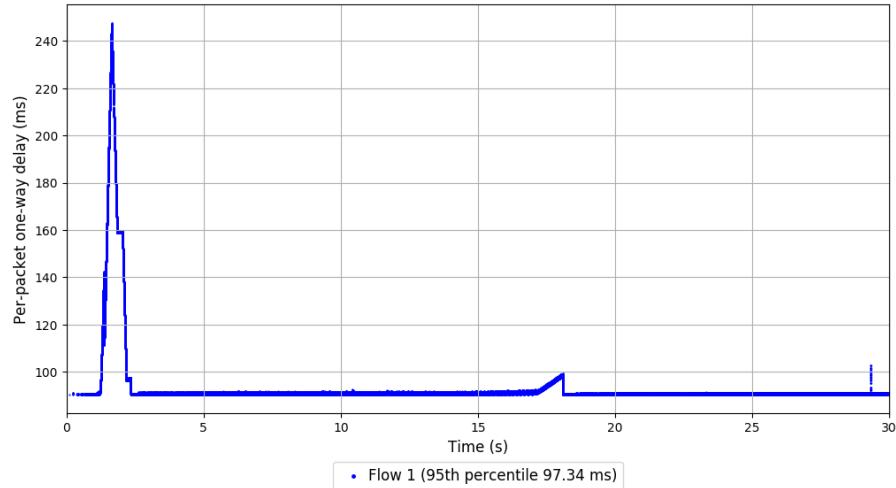
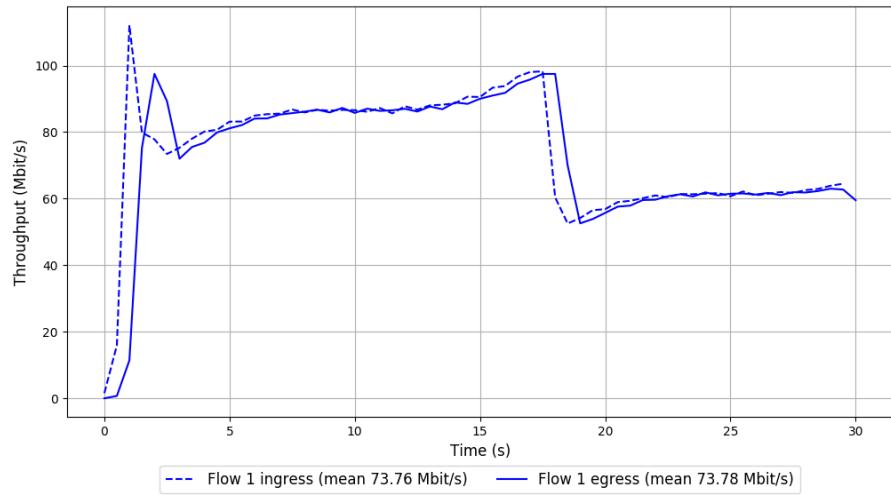


Run 1: Statistics of TCP Cubic

```
Start at: 2019-11-24 12:01:26
End at: 2019-11-24 12:01:56
Local clock offset: -0.14 ms
Remote clock offset: -9.353 ms

# Below is generated by plot.py at 2019-11-24 14:04:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.78 Mbit/s
95th percentile per-packet one-way delay: 97.338 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 73.78 Mbit/s
95th percentile per-packet one-way delay: 97.338 ms
Loss rate: 0.42%
```

Run 1: Report of TCP Cubic — Data Link

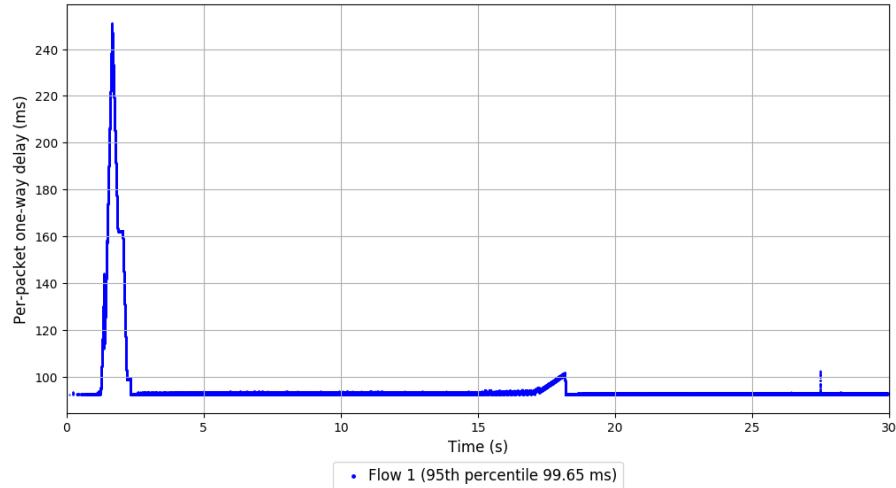
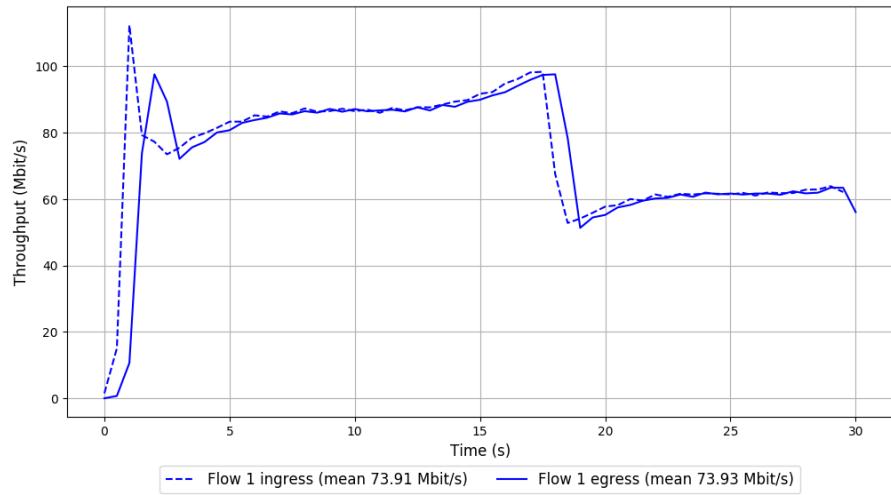


Run 2: Statistics of TCP Cubic

```
Start at: 2019-11-24 12:29:35
End at: 2019-11-24 12:30:05
Local clock offset: -1.02 ms
Remote clock offset: -9.389 ms

# Below is generated by plot.py at 2019-11-24 14:04:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.93 Mbit/s
95th percentile per-packet one-way delay: 99.653 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 73.93 Mbit/s
95th percentile per-packet one-way delay: 99.653 ms
Loss rate: 0.43%
```

Run 2: Report of TCP Cubic — Data Link

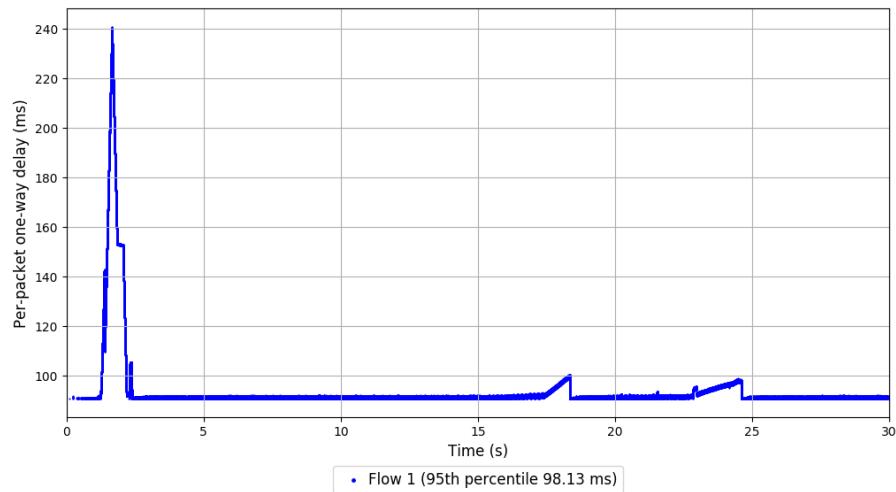
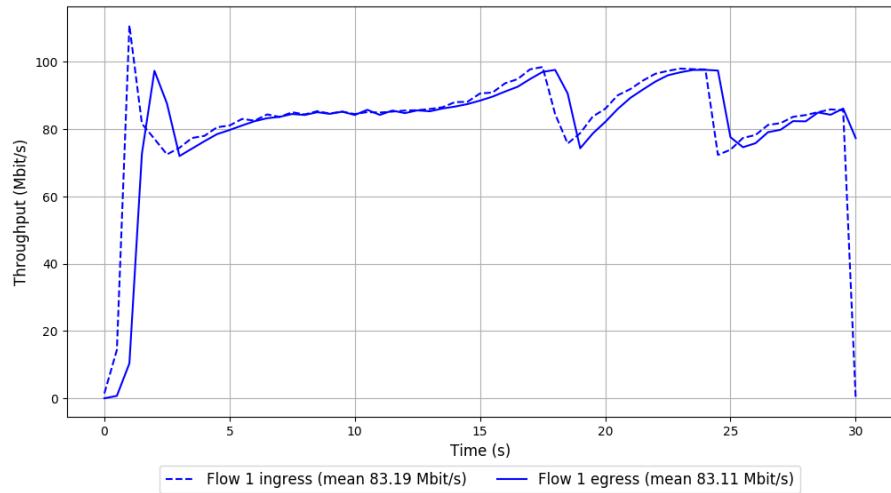


Run 3: Statistics of TCP Cubic

```
Start at: 2019-11-24 12:57:42
End at: 2019-11-24 12:58:12
Local clock offset: -0.914 ms
Remote clock offset: -8.693 ms

# Below is generated by plot.py at 2019-11-24 14:04:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.11 Mbit/s
95th percentile per-packet one-way delay: 98.126 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 83.11 Mbit/s
95th percentile per-packet one-way delay: 98.126 ms
Loss rate: 0.56%
```

Run 3: Report of TCP Cubic — Data Link

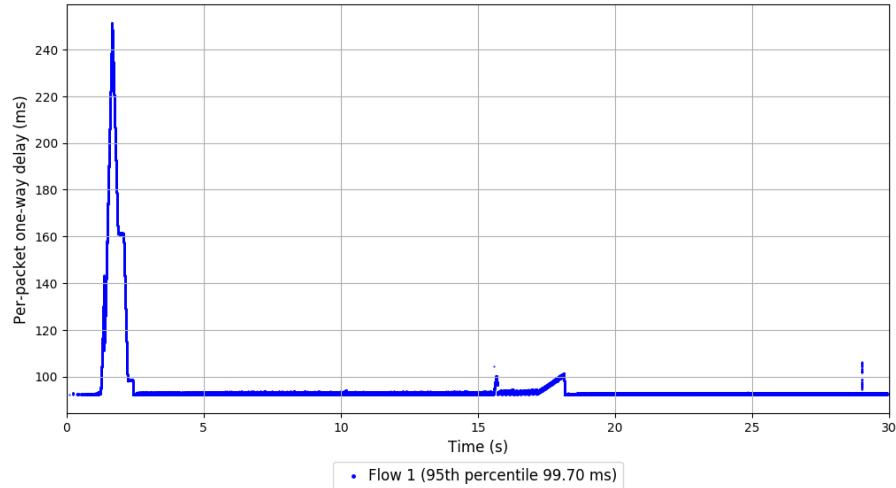
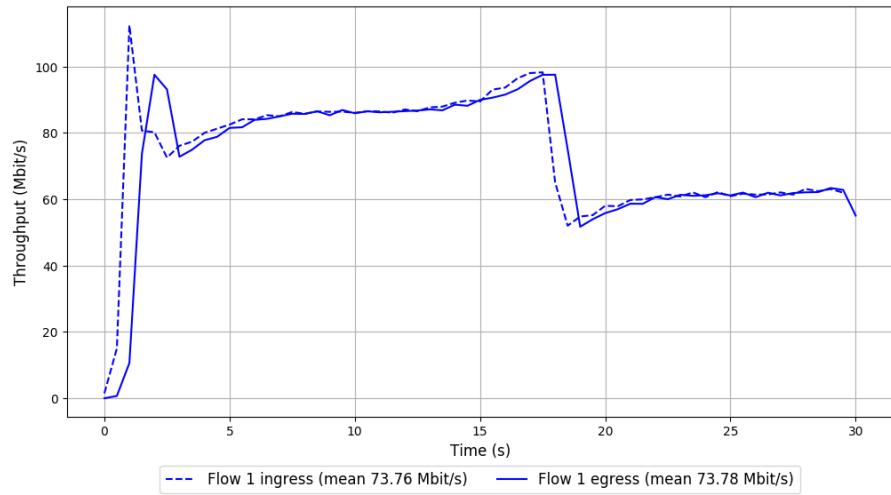


Run 4: Statistics of TCP Cubic

```
Start at: 2019-11-24 13:25:55
End at: 2019-11-24 13:26:25
Local clock offset: 0.034 ms
Remote clock offset: -9.43 ms

# Below is generated by plot.py at 2019-11-24 14:04:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.78 Mbit/s
95th percentile per-packet one-way delay: 99.698 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 73.78 Mbit/s
95th percentile per-packet one-way delay: 99.698 ms
Loss rate: 0.43%
```

Run 4: Report of TCP Cubic — Data Link

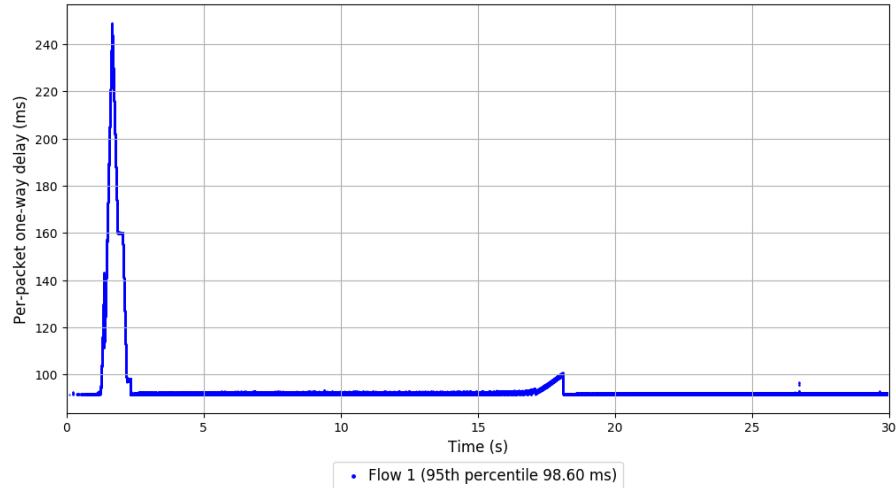
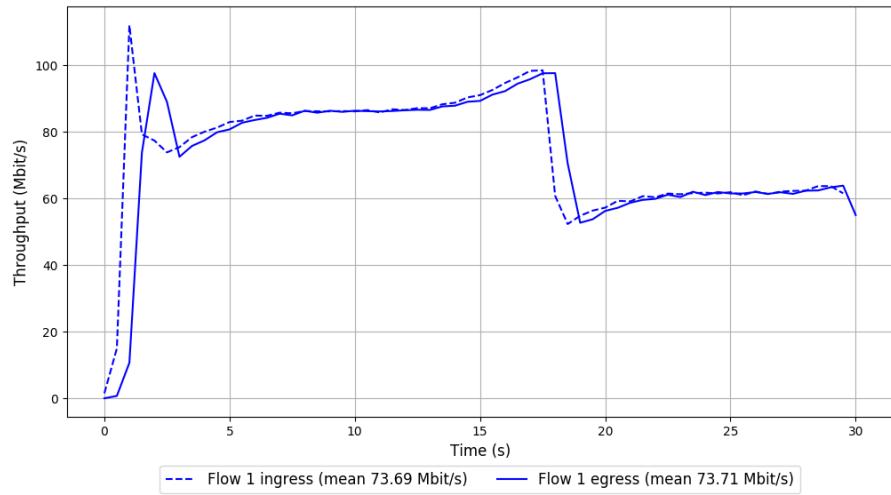


Run 5: Statistics of TCP Cubic

```
Start at: 2019-11-24 13:54:03
End at: 2019-11-24 13:54:33
Local clock offset: -1.493 ms
Remote clock offset: -9.161 ms

# Below is generated by plot.py at 2019-11-24 14:04:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.71 Mbit/s
95th percentile per-packet one-way delay: 98.603 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 73.71 Mbit/s
95th percentile per-packet one-way delay: 98.603 ms
Loss rate: 0.43%
```

Run 5: Report of TCP Cubic — Data Link

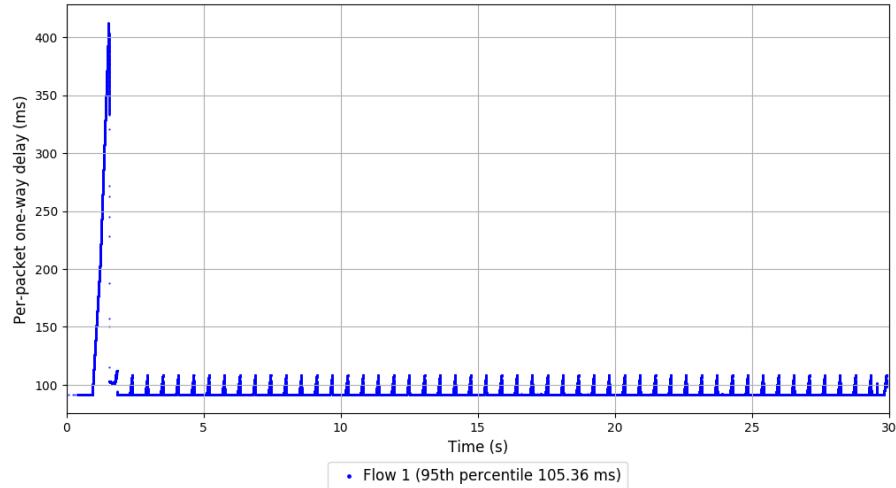
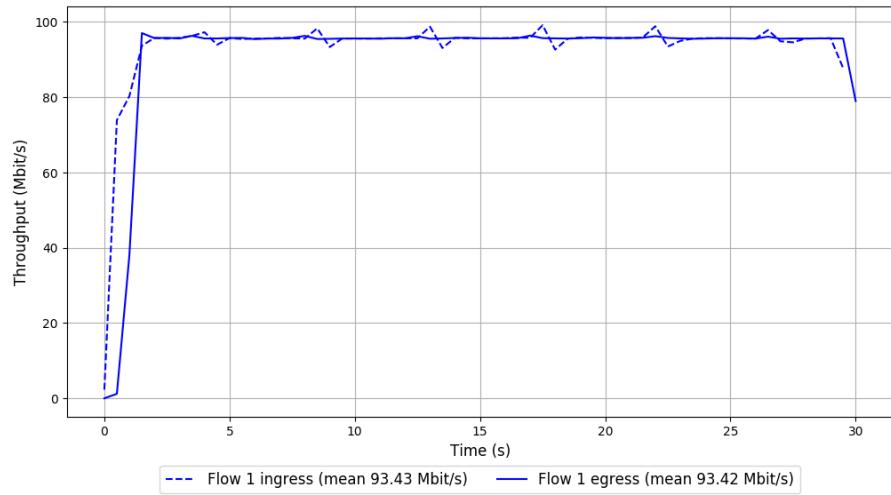


Run 1: Statistics of FillP

```
Start at: 2019-11-24 11:49:44
End at: 2019-11-24 11:50:14
Local clock offset: -0.887 ms
Remote clock offset: -8.858 ms

# Below is generated by plot.py at 2019-11-24 14:04:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.42 Mbit/s
95th percentile per-packet one-way delay: 105.356 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 93.42 Mbit/s
95th percentile per-packet one-way delay: 105.356 ms
Loss rate: 0.48%
```

Run 1: Report of FillP — Data Link

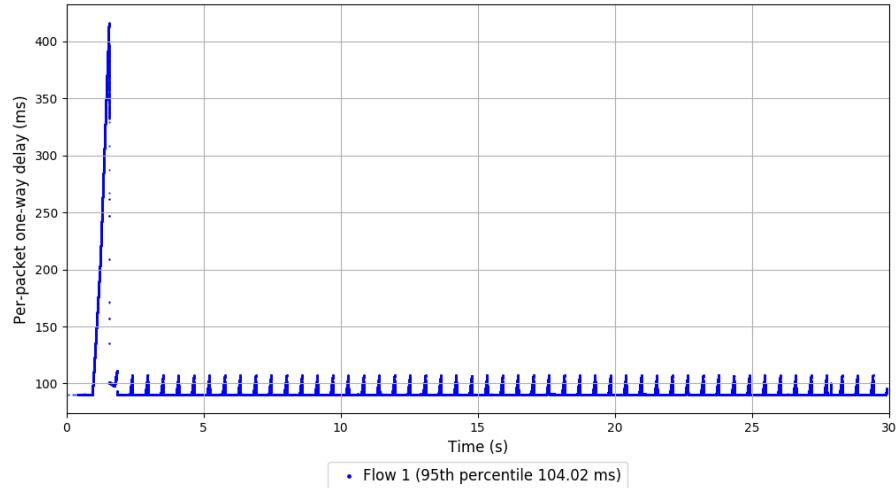
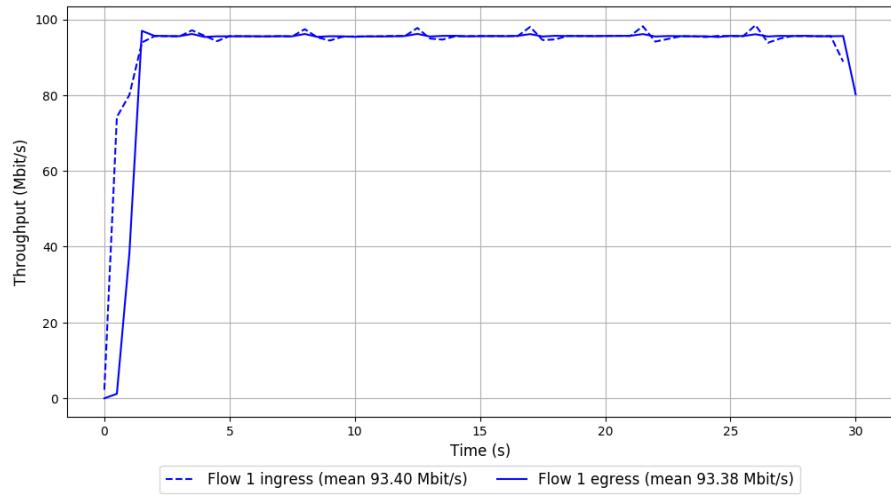


Run 2: Statistics of FillP

```
Start at: 2019-11-24 12:17:53
End at: 2019-11-24 12:18:23
Local clock offset: -0.678 ms
Remote clock offset: -9.291 ms

# Below is generated by plot.py at 2019-11-24 14:04:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: 104.015 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: 104.015 ms
Loss rate: 0.48%
```

Run 2: Report of FillP — Data Link

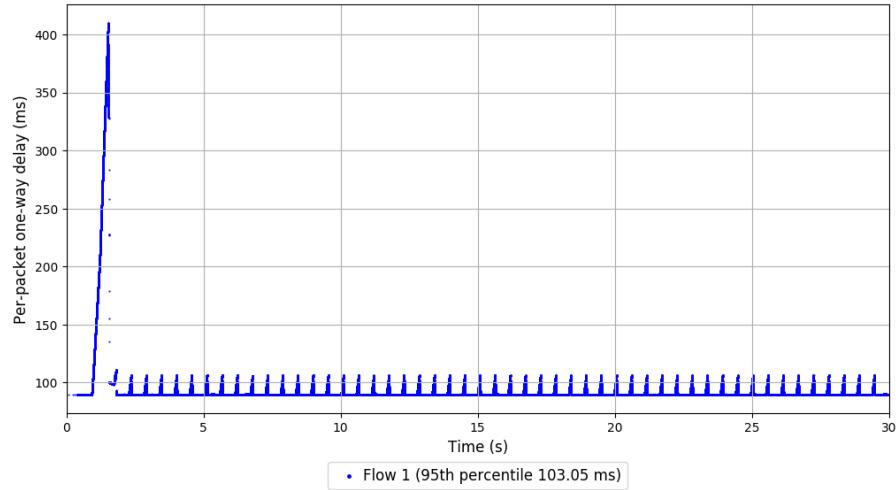
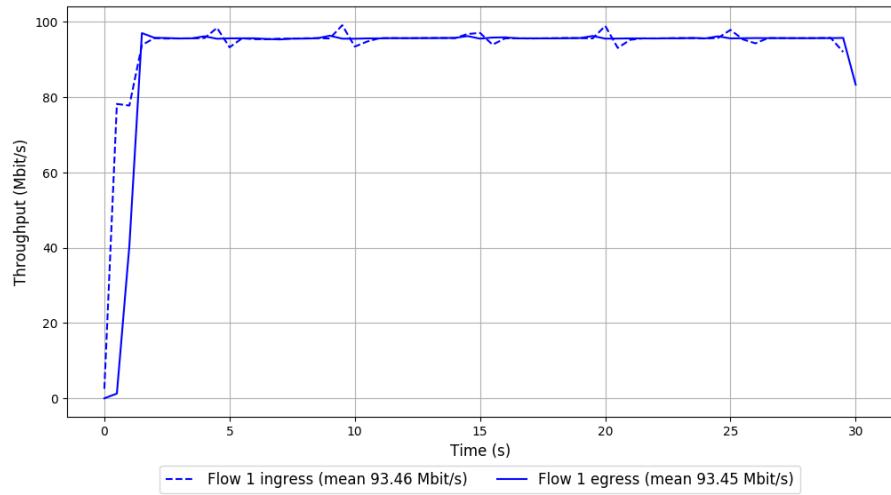


Run 3: Statistics of FillP

```
Start at: 2019-11-24 12:46:00
End at: 2019-11-24 12:46:30
Local clock offset: -1.351 ms
Remote clock offset: -9.399 ms

# Below is generated by plot.py at 2019-11-24 14:04:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.45 Mbit/s
95th percentile per-packet one-way delay: 103.046 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 93.45 Mbit/s
95th percentile per-packet one-way delay: 103.046 ms
Loss rate: 0.47%
```

Run 3: Report of FillP — Data Link

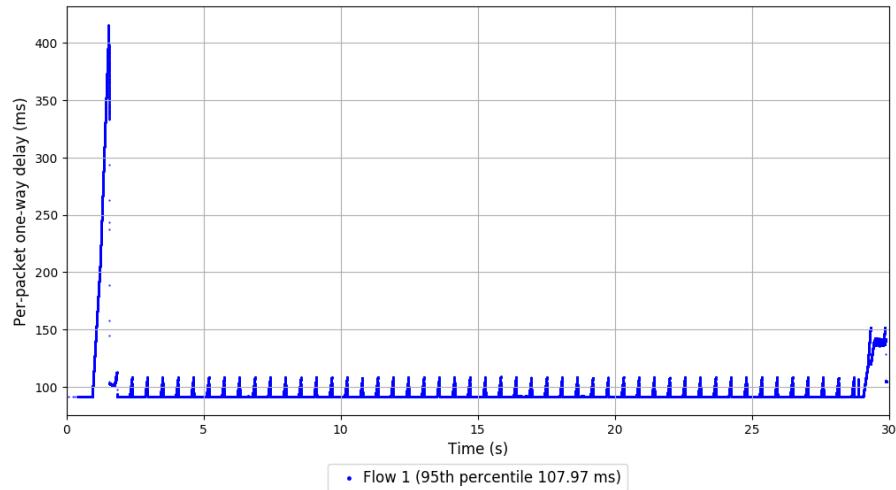
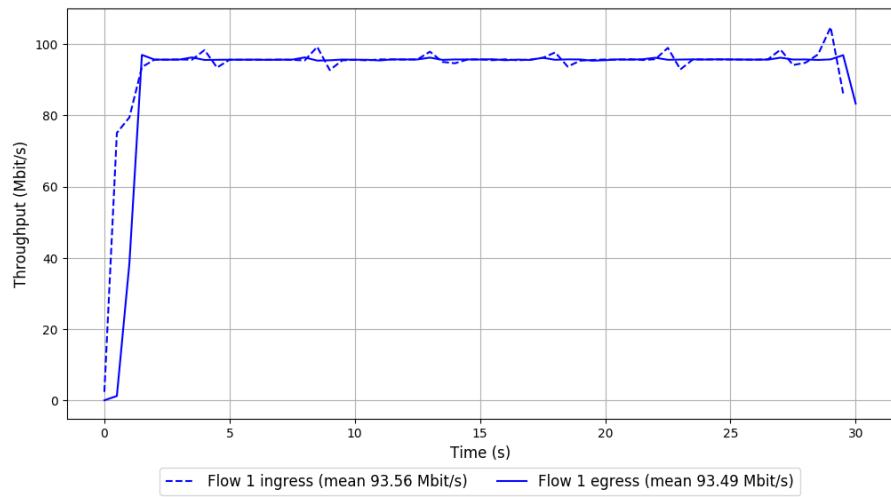


Run 4: Statistics of FillP

```
Start at: 2019-11-24 13:14:08
End at: 2019-11-24 13:14:38
Local clock offset: 0.045 ms
Remote clock offset: -8.661 ms

# Below is generated by plot.py at 2019-11-24 14:04:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 107.974 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 93.49 Mbit/s
95th percentile per-packet one-way delay: 107.974 ms
Loss rate: 0.54%
```

Run 4: Report of FillP — Data Link

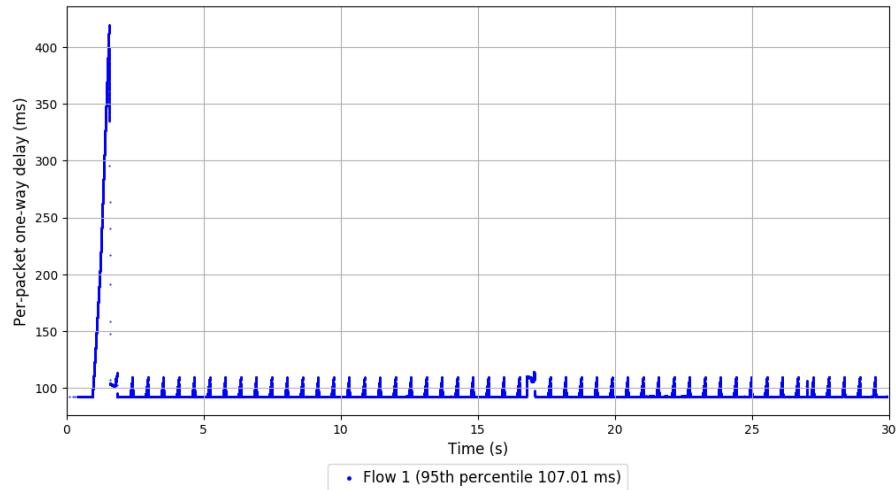
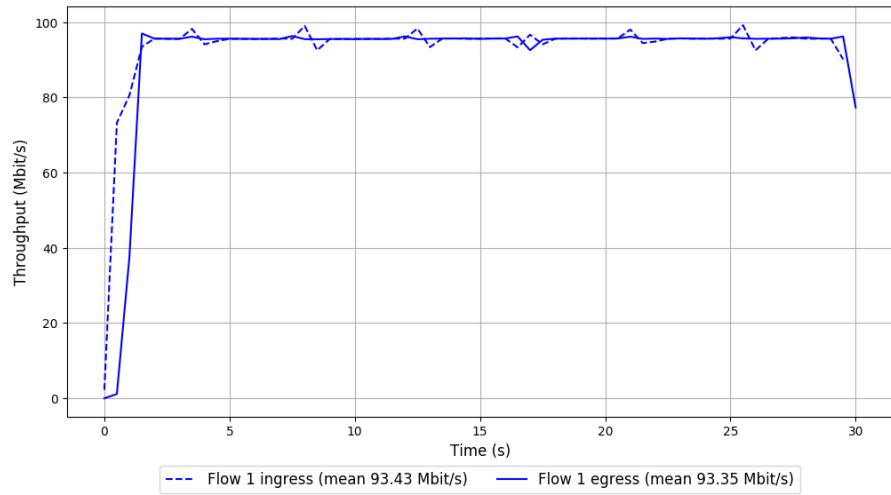


Run 5: Statistics of FillP

```
Start at: 2019-11-24 13:42:21
End at: 2019-11-24 13:42:51
Local clock offset: -0.111 ms
Remote clock offset: -9.246 ms

# Below is generated by plot.py at 2019-11-24 14:05:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.35 Mbit/s
95th percentile per-packet one-way delay: 107.006 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 93.35 Mbit/s
95th percentile per-packet one-way delay: 107.006 ms
Loss rate: 0.55%
```

Run 5: Report of FillP — Data Link

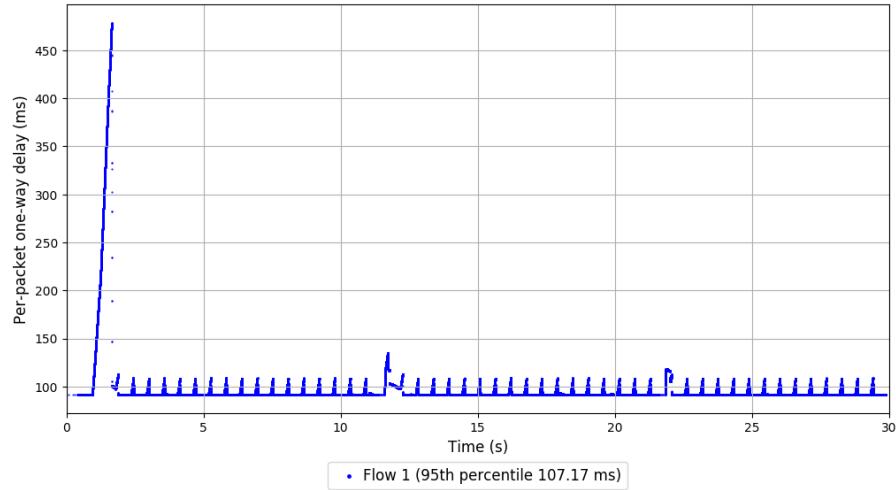
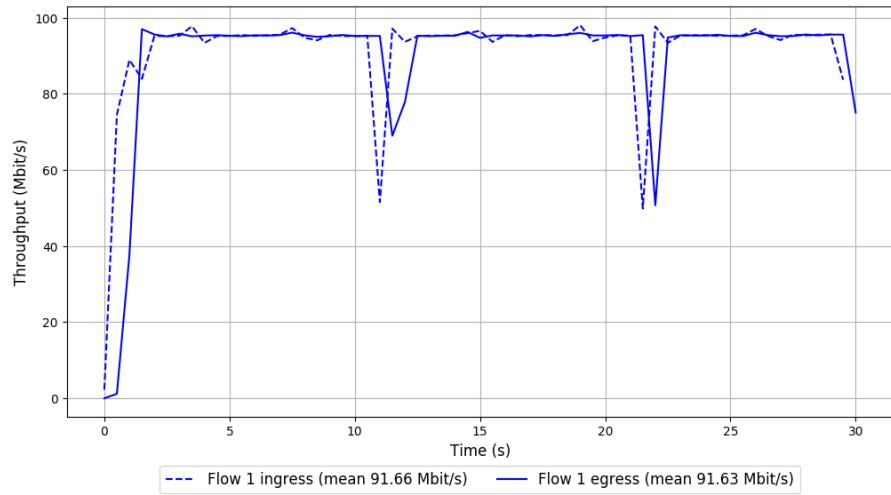


Run 1: Statistics of FillP-Sheep

```
Start at: 2019-11-24 11:54:24
End at: 2019-11-24 11:54:54
Local clock offset: -0.956 ms
Remote clock offset: -9.224 ms

# Below is generated by plot.py at 2019-11-24 14:05:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.63 Mbit/s
95th percentile per-packet one-way delay: 107.168 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 91.63 Mbit/s
95th percentile per-packet one-way delay: 107.168 ms
Loss rate: 0.50%
```

Run 1: Report of FillP-Sheep — Data Link

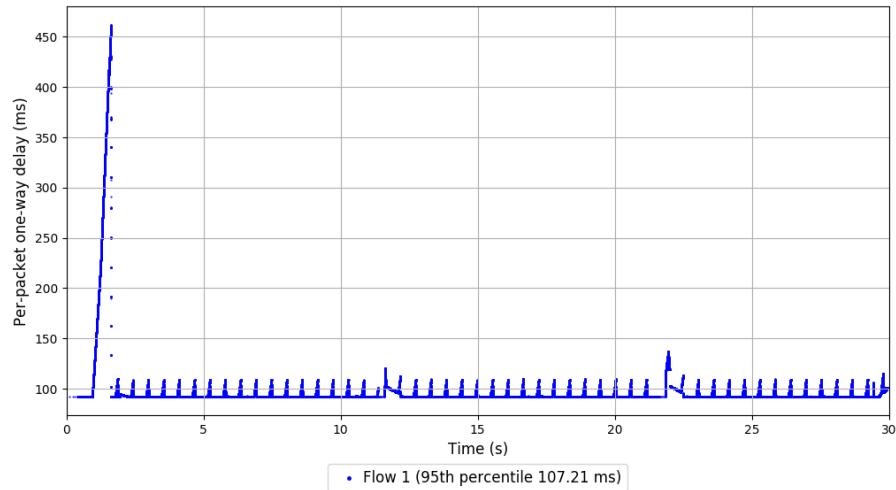
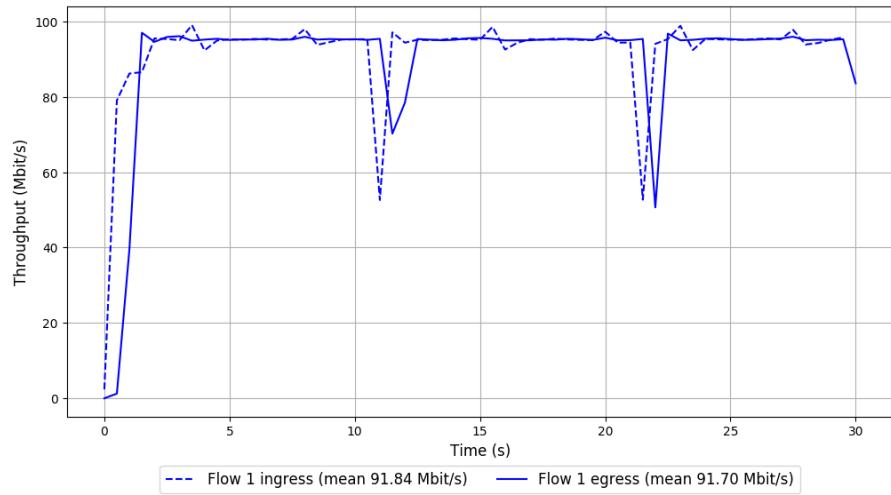


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-11-24 12:22:33
End at: 2019-11-24 12:23:03
Local clock offset: -0.85 ms
Remote clock offset: -9.32 ms

# Below is generated by plot.py at 2019-11-24 14:05:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.70 Mbit/s
95th percentile per-packet one-way delay: 107.207 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 91.70 Mbit/s
95th percentile per-packet one-way delay: 107.207 ms
Loss rate: 0.61%
```

Run 2: Report of FillP-Sheep — Data Link

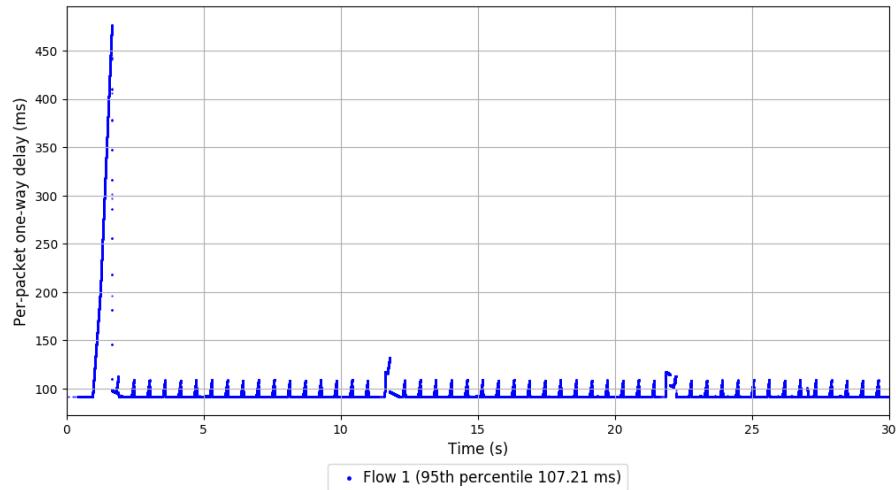
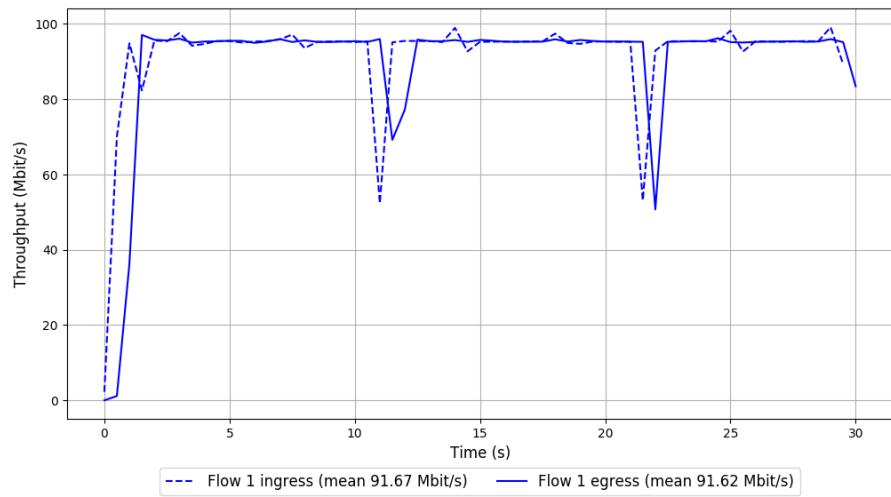


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-11-24 12:50:40
End at: 2019-11-24 12:51:10
Local clock offset: -0.41 ms
Remote clock offset: -8.66 ms

# Below is generated by plot.py at 2019-11-24 14:05:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.62 Mbit/s
95th percentile per-packet one-way delay: 107.210 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 91.62 Mbit/s
95th percentile per-packet one-way delay: 107.210 ms
Loss rate: 0.52%
```

Run 3: Report of FillP-Sheep — Data Link

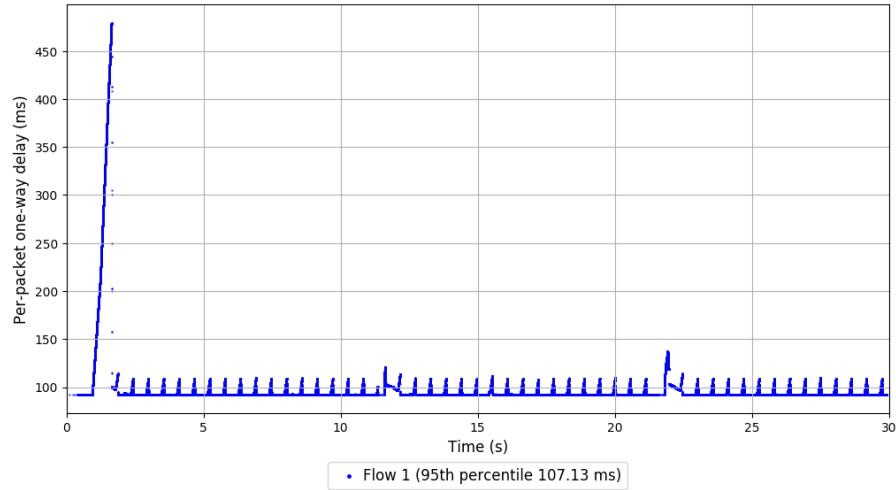
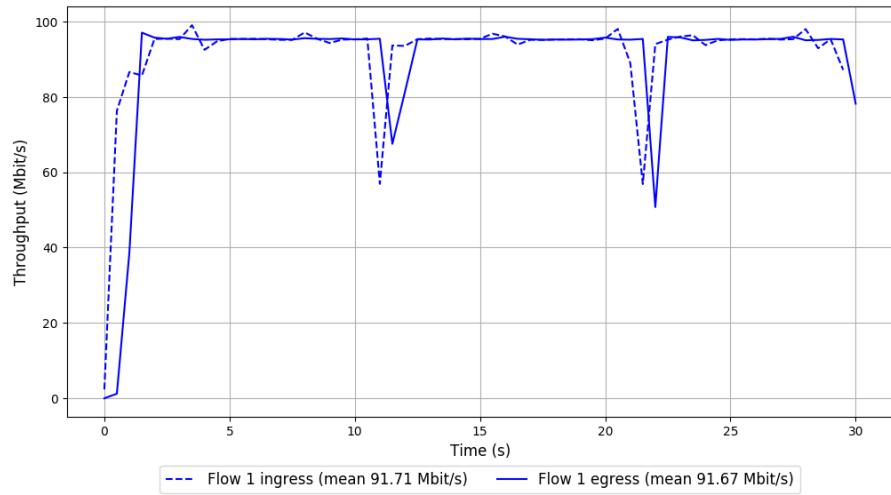


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-11-24 13:18:48
End at: 2019-11-24 13:19:18
Local clock offset: 0.043 ms
Remote clock offset: -9.351 ms

# Below is generated by plot.py at 2019-11-24 14:06:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 107.126 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 91.67 Mbit/s
95th percentile per-packet one-way delay: 107.126 ms
Loss rate: 0.50%
```

Run 4: Report of FillP-Sheep — Data Link

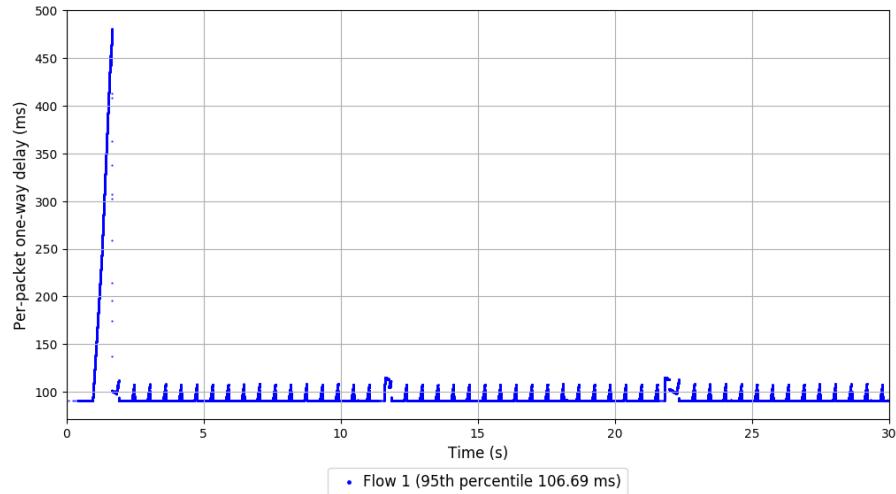
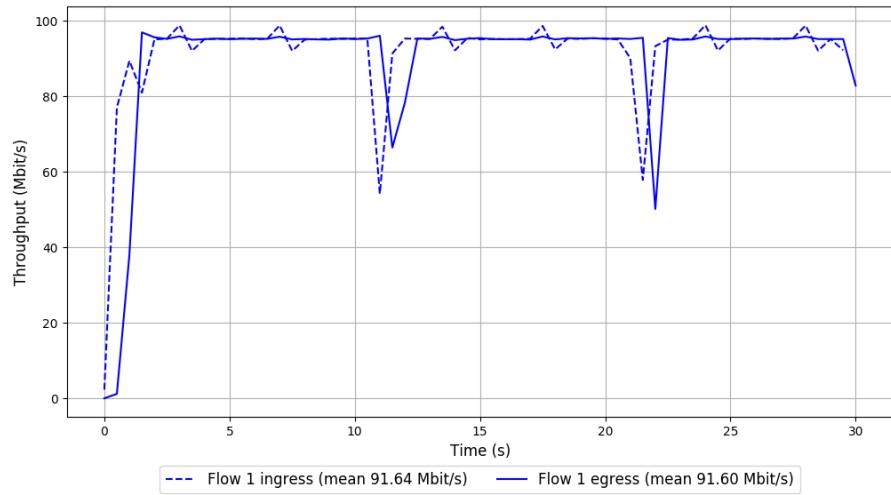


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-11-24 13:47:01
End at: 2019-11-24 13:47:31
Local clock offset: -1.217 ms
Remote clock offset: -8.587 ms

# Below is generated by plot.py at 2019-11-24 14:06:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.60 Mbit/s
95th percentile per-packet one-way delay: 106.694 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 91.60 Mbit/s
95th percentile per-packet one-way delay: 106.694 ms
Loss rate: 0.50%
```

Run 5: Report of FillP-Sheep — Data Link

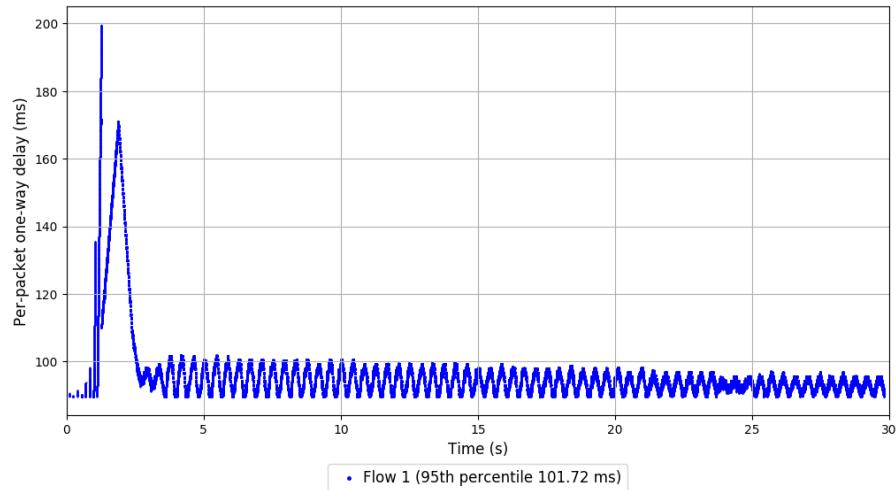
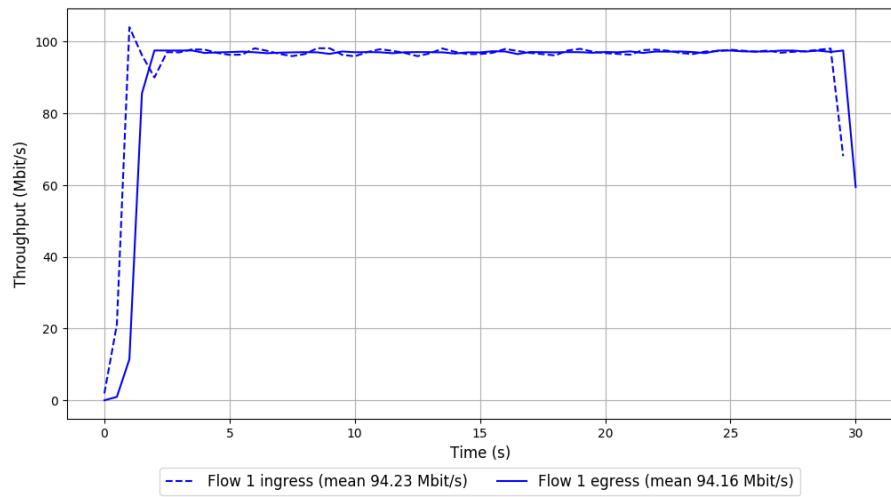


Run 1: Statistics of Indigo

```
Start at: 2019-11-24 11:46:13
End at: 2019-11-24 11:46:43
Local clock offset: -0.123 ms
Remote clock offset: -7.795 ms

# Below is generated by plot.py at 2019-11-24 14:06:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 101.715 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 101.715 ms
Loss rate: 0.53%
```

Run 1: Report of Indigo — Data Link

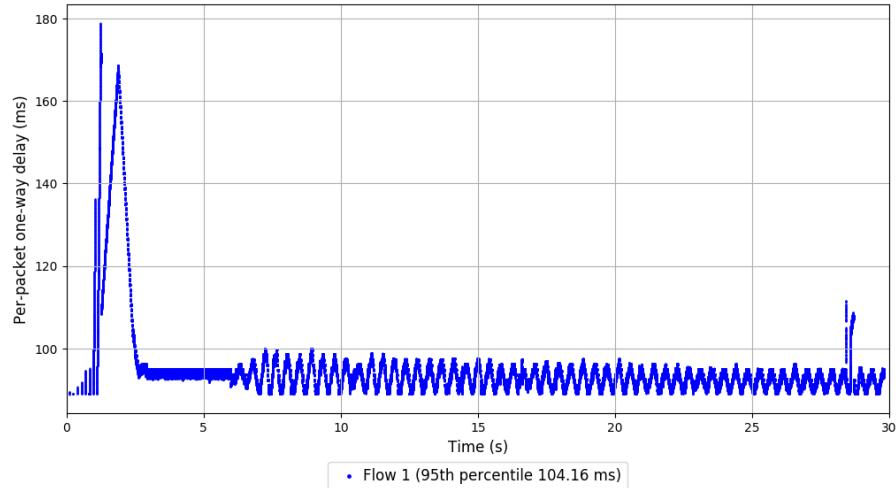
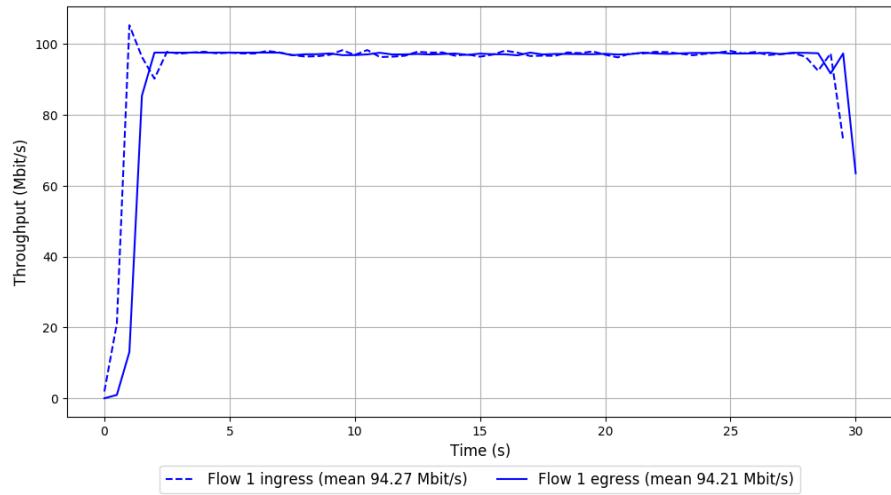


Run 2: Statistics of Indigo

```
Start at: 2019-11-24 12:14:22
End at: 2019-11-24 12:14:52
Local clock offset: -1.241 ms
Remote clock offset: -8.591 ms

# Below is generated by plot.py at 2019-11-24 14:06:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.21 Mbit/s
95th percentile per-packet one-way delay: 104.159 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 94.21 Mbit/s
95th percentile per-packet one-way delay: 104.159 ms
Loss rate: 0.52%
```

Run 2: Report of Indigo — Data Link

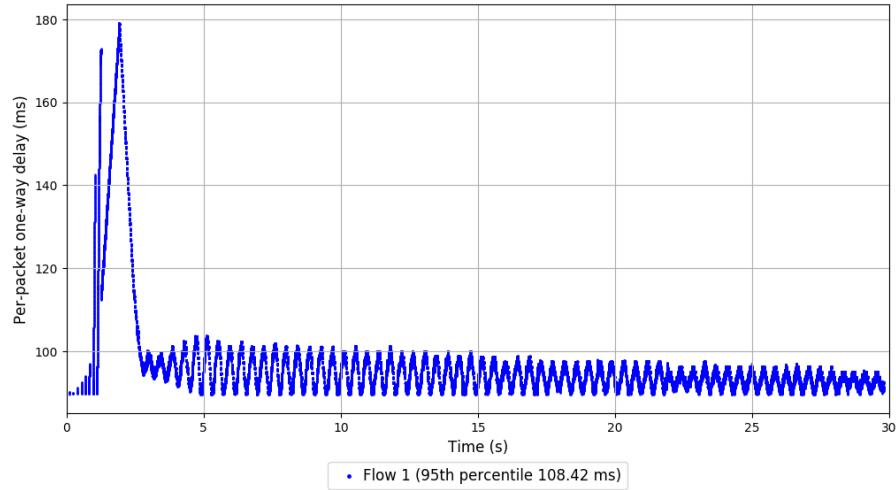
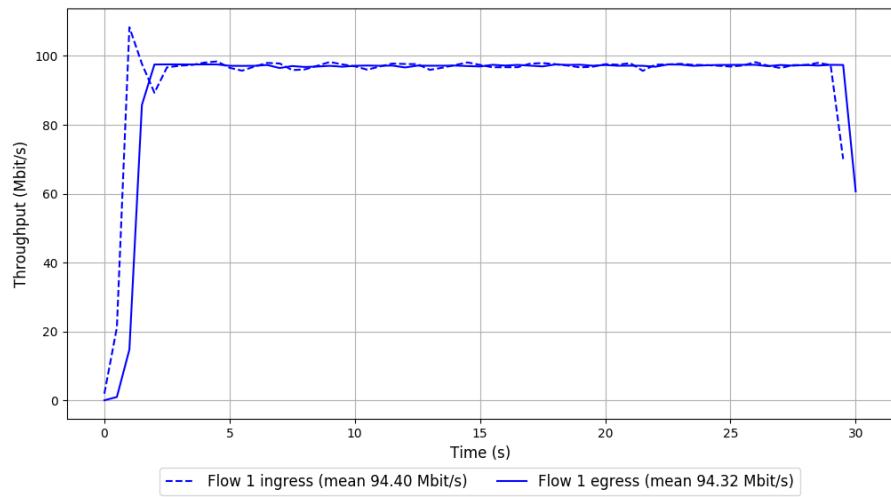


Run 3: Statistics of Indigo

```
Start at: 2019-11-24 12:42:29
End at: 2019-11-24 12:42:59
Local clock offset: -0.912 ms
Remote clock offset: -8.781 ms

# Below is generated by plot.py at 2019-11-24 14:06:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.32 Mbit/s
95th percentile per-packet one-way delay: 108.417 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 94.32 Mbit/s
95th percentile per-packet one-way delay: 108.417 ms
Loss rate: 0.55%
```

Run 3: Report of Indigo — Data Link

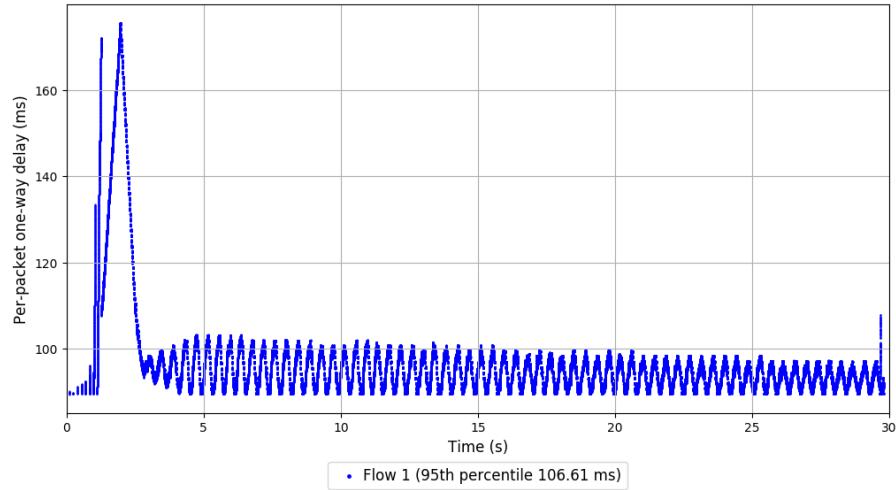
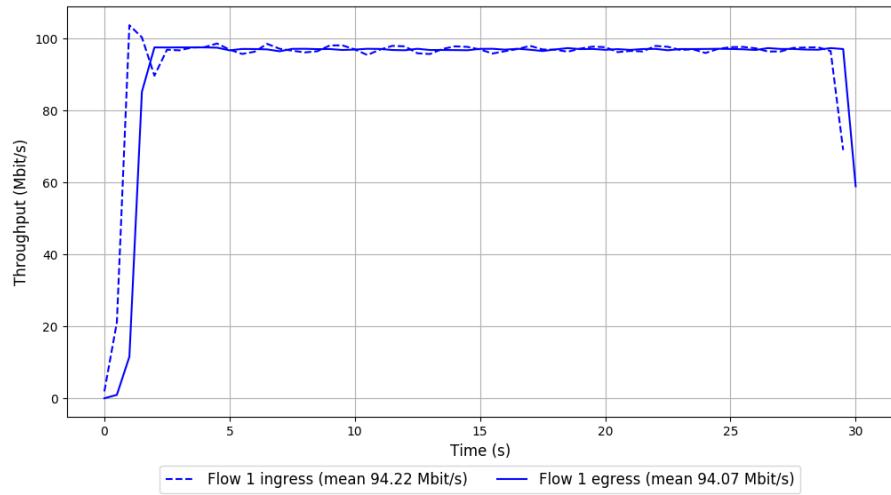


Run 4: Statistics of Indigo

```
Start at: 2019-11-24 13:10:38
End at: 2019-11-24 13:11:08
Local clock offset: -0.043 ms
Remote clock offset: -8.63 ms

# Below is generated by plot.py at 2019-11-24 14:06:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.07 Mbit/s
95th percentile per-packet one-way delay: 106.605 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 94.07 Mbit/s
95th percentile per-packet one-way delay: 106.605 ms
Loss rate: 0.61%
```

Run 4: Report of Indigo — Data Link

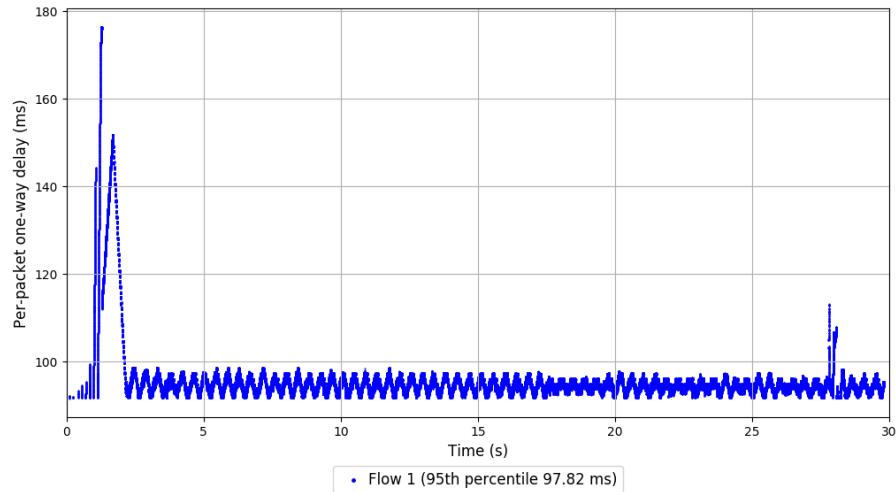
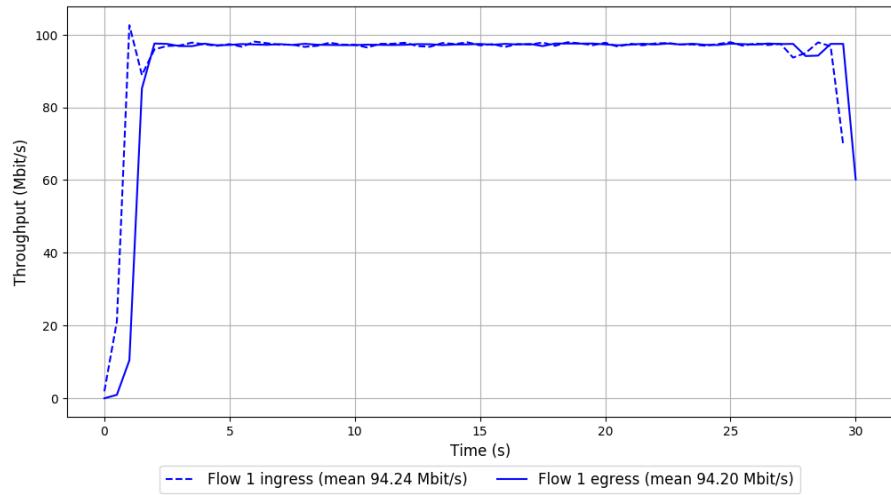


Run 5: Statistics of Indigo

```
Start at: 2019-11-24 13:38:51
End at: 2019-11-24 13:39:21
Local clock offset: -0.573 ms
Remote clock offset: -9.212 ms

# Below is generated by plot.py at 2019-11-24 14:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 97.821 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 94.20 Mbit/s
95th percentile per-packet one-way delay: 97.821 ms
Loss rate: 0.51%
```

Run 5: Report of Indigo — Data Link

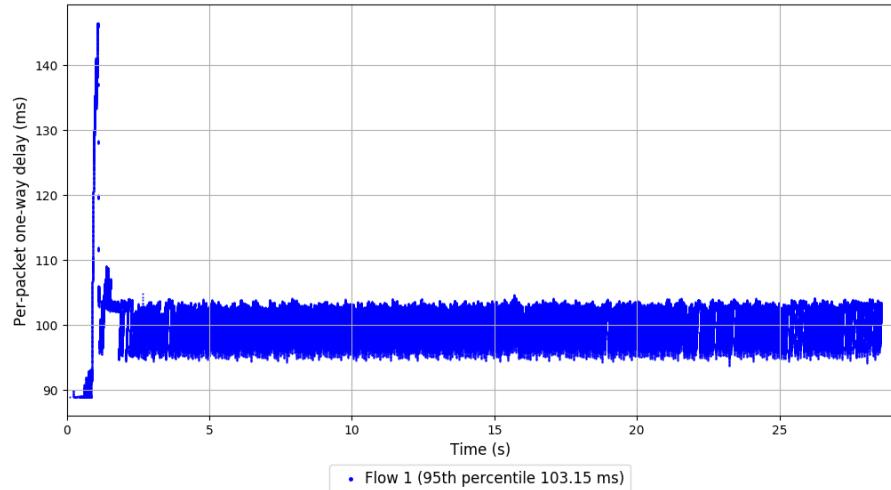
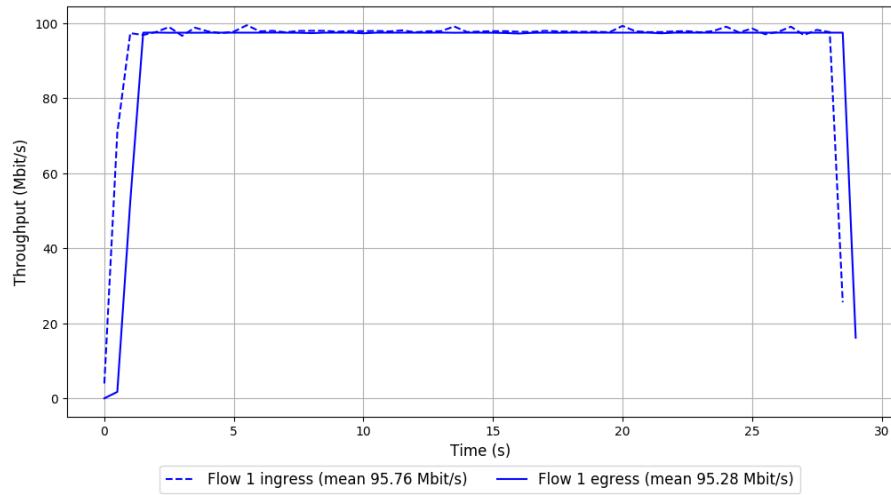


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 11:59:07
End at: 2019-11-24 11:59:37
Local clock offset: -0.882 ms
Remote clock offset: -8.571 ms

# Below is generated by plot.py at 2019-11-24 14:06:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 103.154 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 103.154 ms
Loss rate: 0.98%
```

Run 1: Report of Indigo-MusesC3 — Data Link

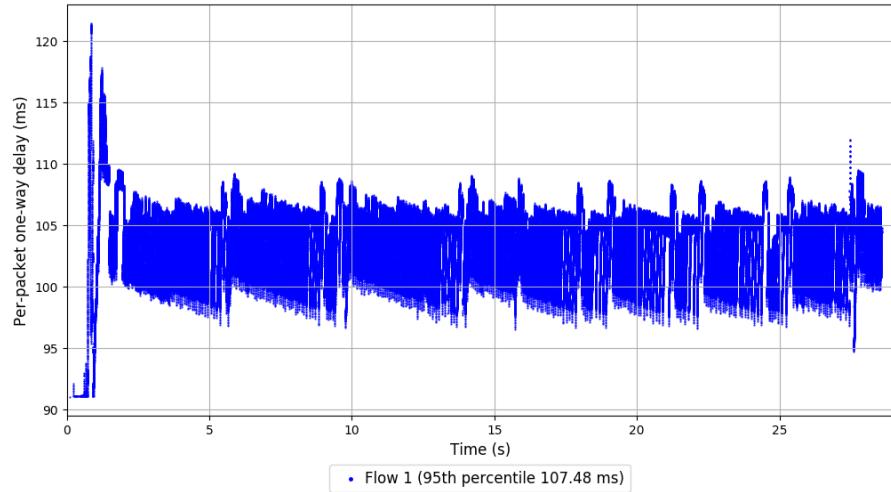
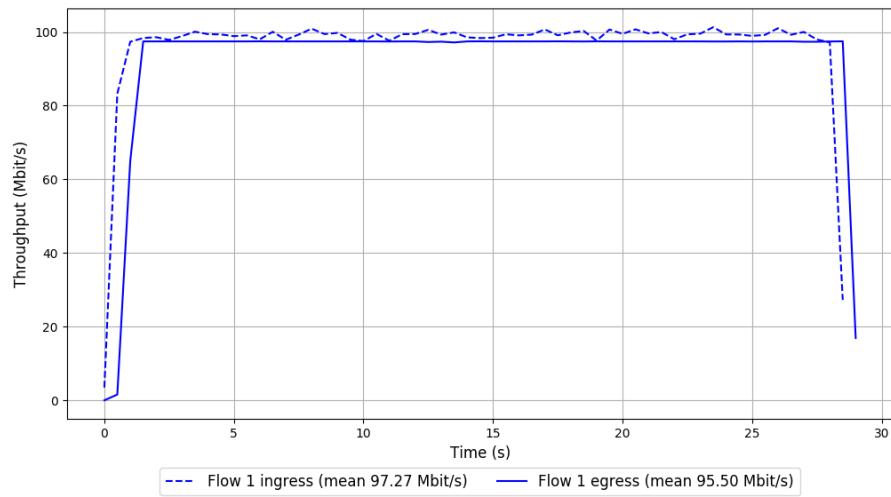


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 12:27:15
End at: 2019-11-24 12:27:45
Local clock offset: -1.732 ms
Remote clock offset: -8.764 ms

# Below is generated by plot.py at 2019-11-24 14:07:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.50 Mbit/s
95th percentile per-packet one-way delay: 107.477 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 95.50 Mbit/s
95th percentile per-packet one-way delay: 107.477 ms
Loss rate: 2.29%
```

Run 2: Report of Indigo-MusesC3 — Data Link

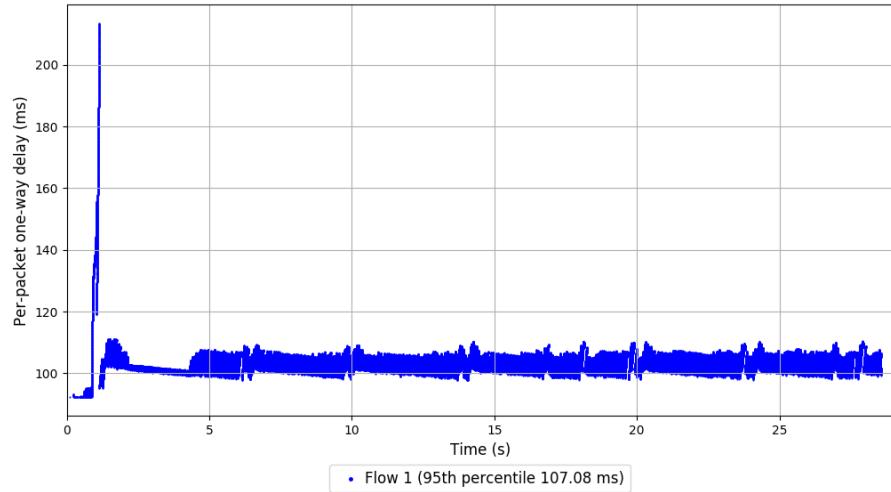
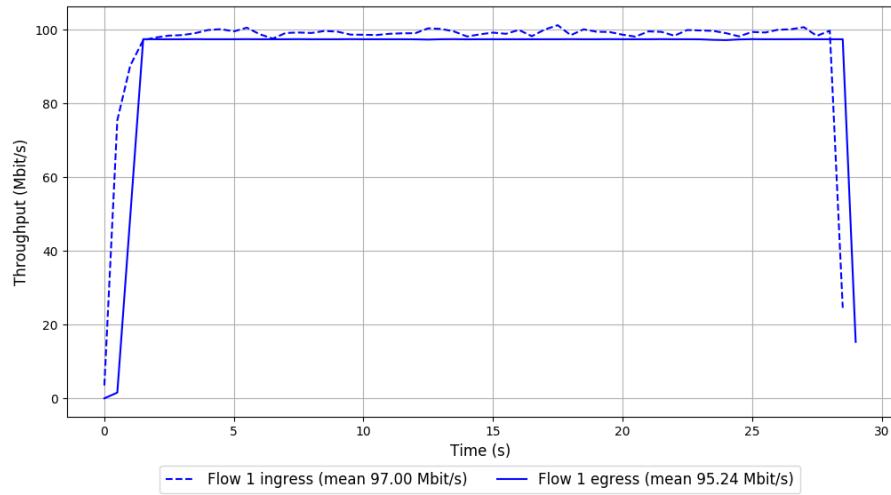


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 12:55:23
End at: 2019-11-24 12:55:53
Local clock offset: -0.213 ms
Remote clock offset: -9.311 ms

# Below is generated by plot.py at 2019-11-24 14:07:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 107.080 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 95.24 Mbit/s
95th percentile per-packet one-way delay: 107.080 ms
Loss rate: 2.29%
```

Run 3: Report of Indigo-MusesC3 — Data Link

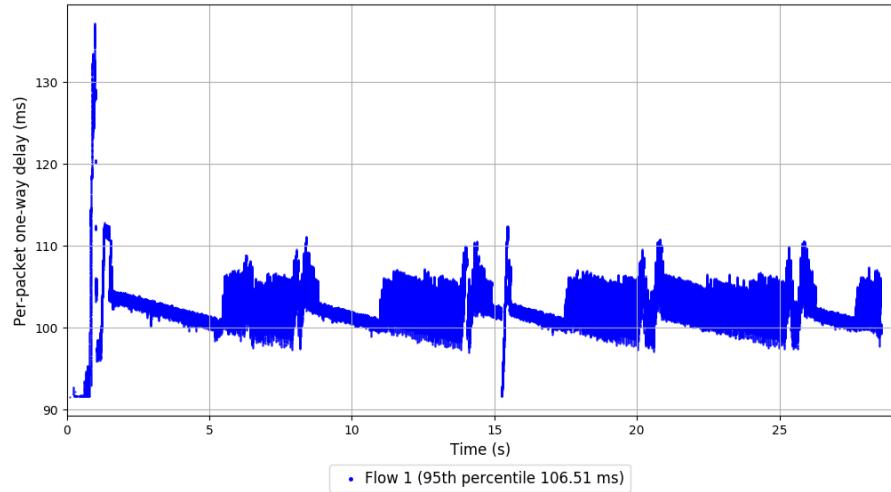
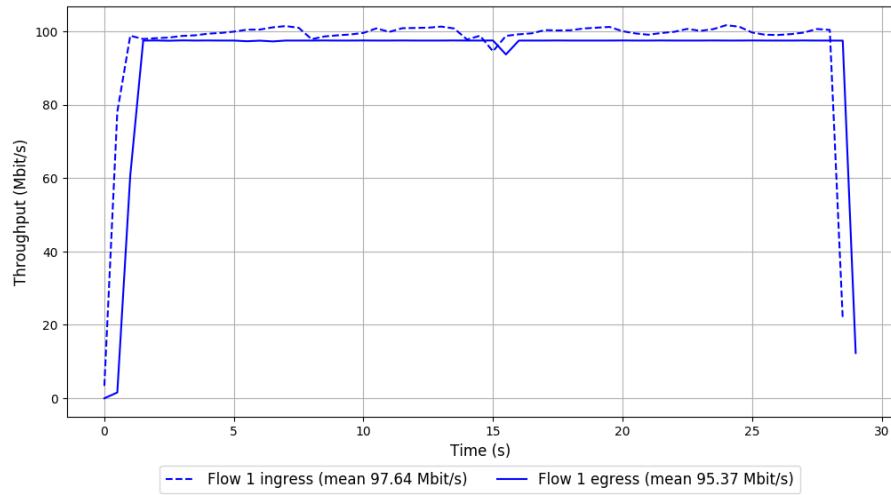


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 13:23:36
End at: 2019-11-24 13:24:06
Local clock offset: 0.031 ms
Remote clock offset: -8.629 ms

# Below is generated by plot.py at 2019-11-24 14:07:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.37 Mbit/s
95th percentile per-packet one-way delay: 106.506 ms
Loss rate: 2.80%
-- Flow 1:
Average throughput: 95.37 Mbit/s
95th percentile per-packet one-way delay: 106.506 ms
Loss rate: 2.80%
```

Run 4: Report of Indigo-MusesC3 — Data Link

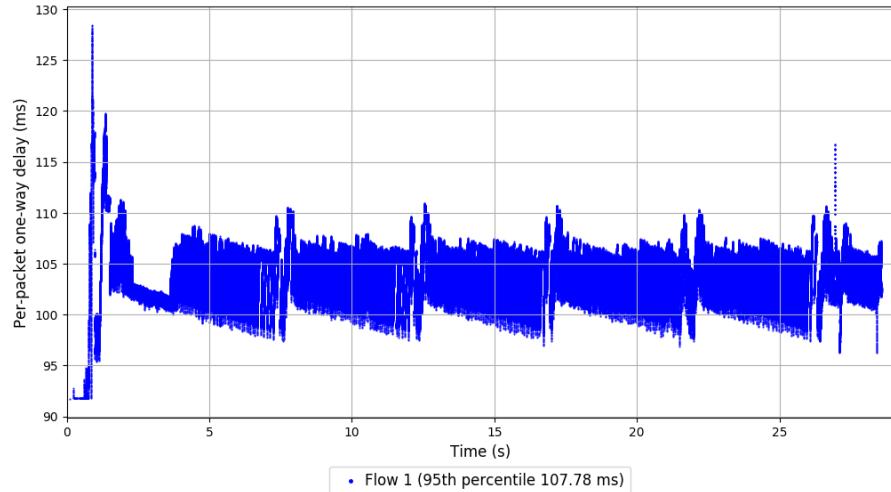
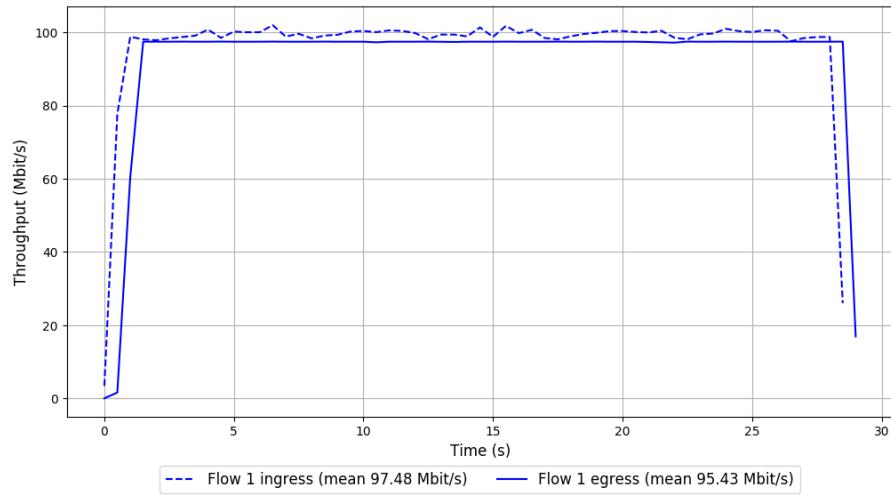


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-11-24 13:51:43
End at: 2019-11-24 13:52:13
Local clock offset: -0.68 ms
Remote clock offset: -8.608 ms

# Below is generated by plot.py at 2019-11-24 14:07:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 107.779 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 107.779 ms
Loss rate: 2.58%
```

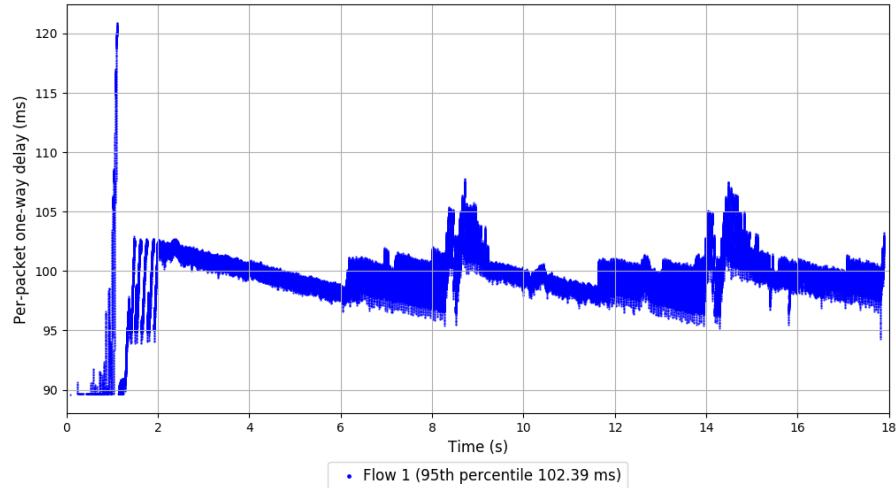
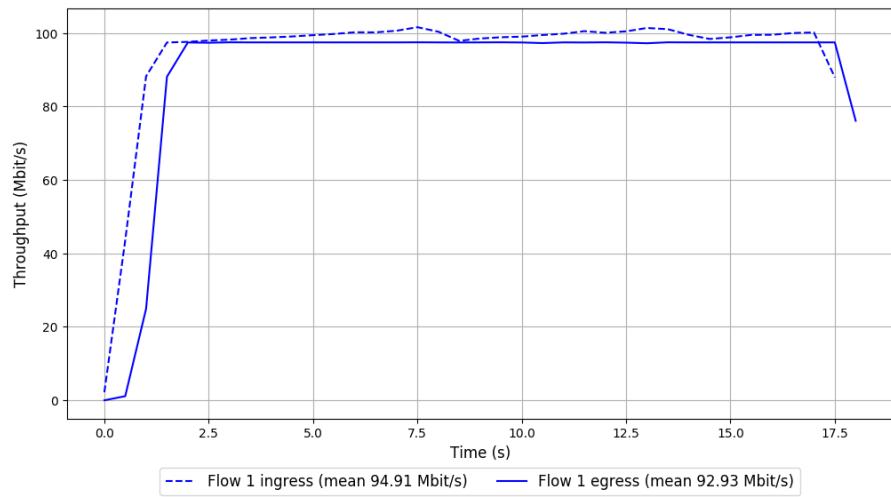
Run 5: Report of Indigo-MusesC3 — Data Link



Run 1: Statistics of Indigo-MusesC5

Start at: 2019-11-24 11:40:25
End at: 2019-11-24 11:40:55
Local clock offset: -0.104 ms
Remote clock offset: -7.862 ms

Run 1: Report of Indigo-MusesC5 — Data Link

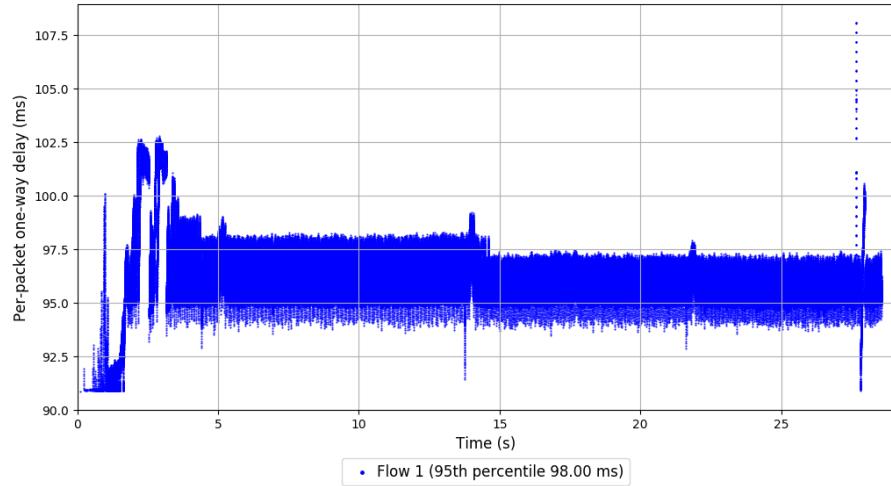
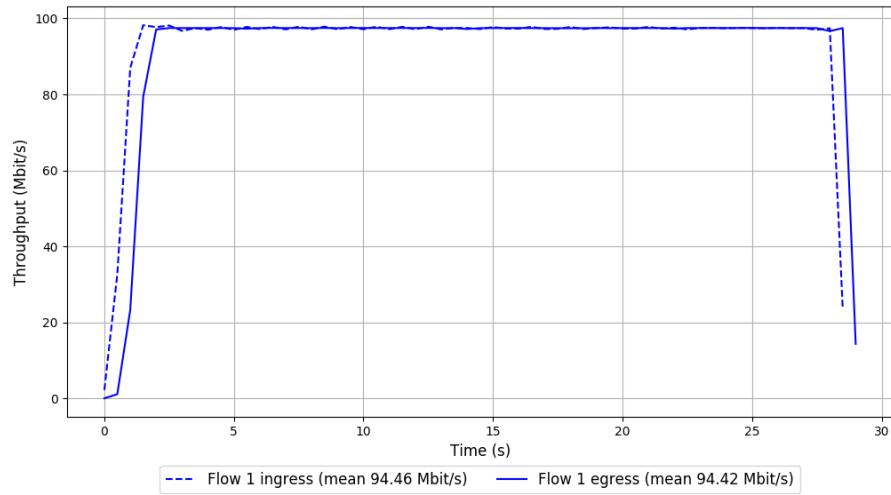


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 12:08:32
End at: 2019-11-24 12:09:02
Local clock offset: -0.863 ms
Remote clock offset: -8.626 ms

# Below is generated by plot.py at 2019-11-24 14:07:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 97.996 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 94.42 Mbit/s
95th percentile per-packet one-way delay: 97.996 ms
Loss rate: 0.53%
```

Run 2: Report of Indigo-MusesC5 — Data Link

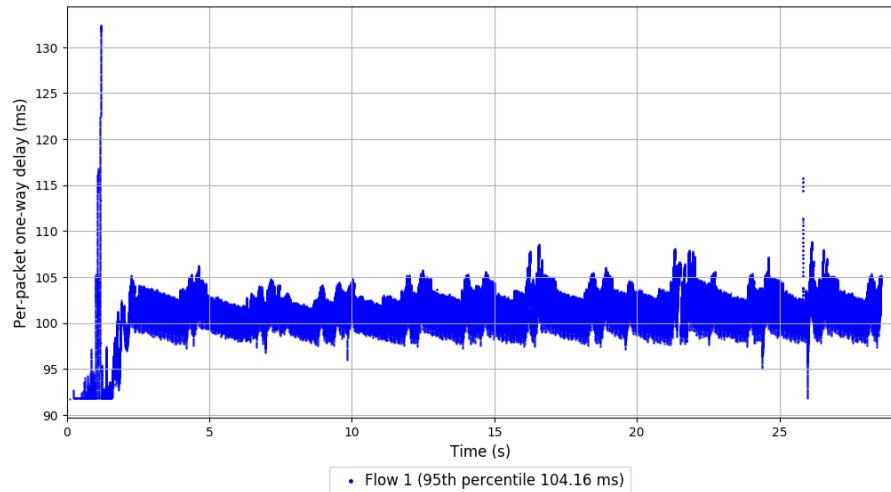
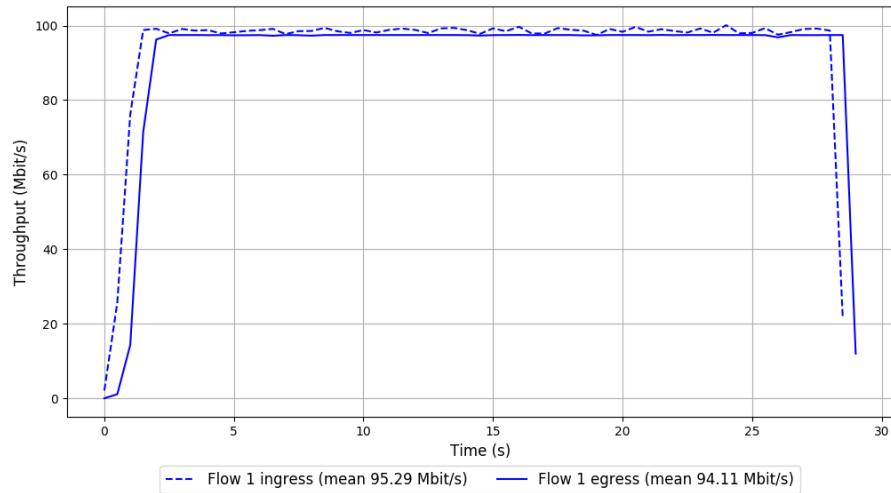


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 12:36:40
End at: 2019-11-24 12:37:10
Local clock offset: -1.114 ms
Remote clock offset: -8.747 ms

# Below is generated by plot.py at 2019-11-24 14:07:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.11 Mbit/s
95th percentile per-packet one-way delay: 104.160 ms
Loss rate: 1.71%
-- Flow 1:
Average throughput: 94.11 Mbit/s
95th percentile per-packet one-way delay: 104.160 ms
Loss rate: 1.71%
```

Run 3: Report of Indigo-MusesC5 — Data Link

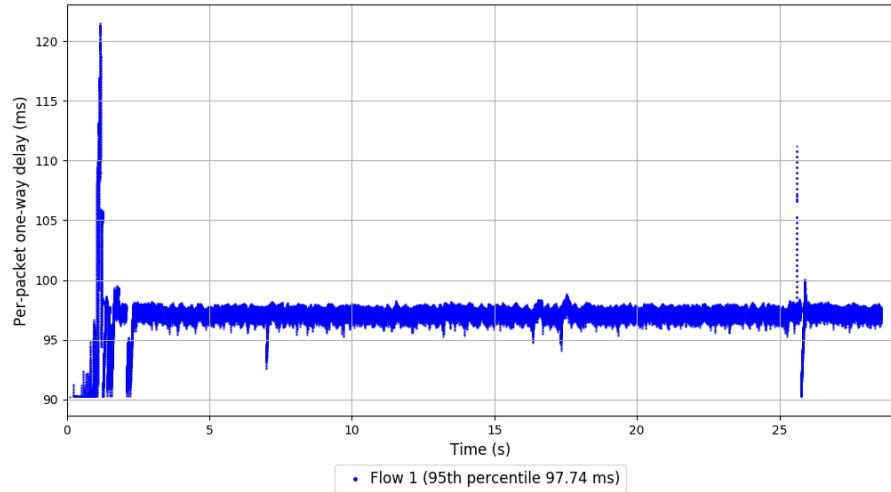
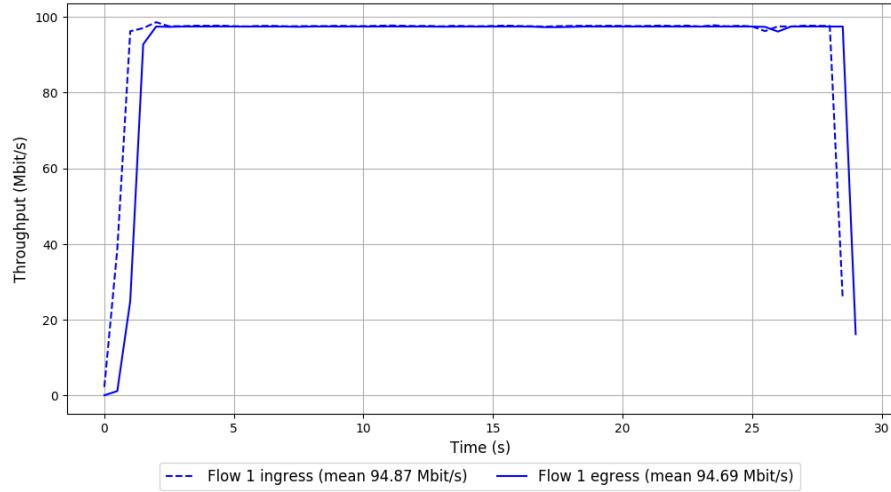


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 13:04:47
End at: 2019-11-24 13:05:17
Local clock offset: -0.091 ms
Remote clock offset: -9.377 ms

# Below is generated by plot.py at 2019-11-24 14:08:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 97.743 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 94.69 Mbit/s
95th percentile per-packet one-way delay: 97.743 ms
Loss rate: 0.67%
```

Run 4: Report of Indigo-MusesC5 — Data Link

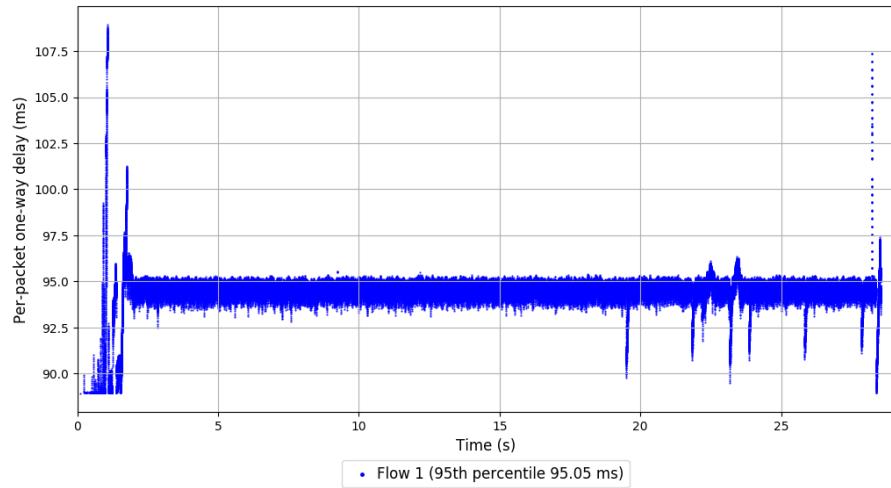
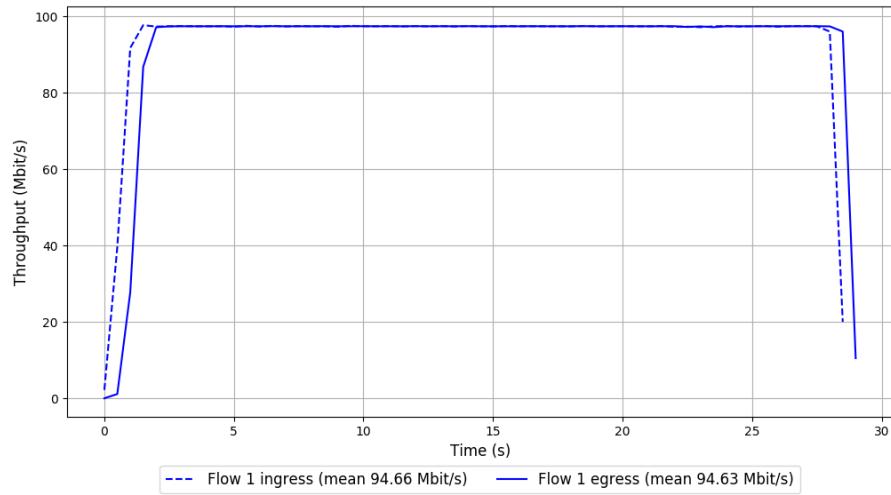


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-11-24 13:33:01
End at: 2019-11-24 13:33:31
Local clock offset: -0.605 ms
Remote clock offset: -8.721 ms

# Below is generated by plot.py at 2019-11-24 14:08:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 95.045 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 95.045 ms
Loss rate: 0.52%
```

Run 5: Report of Indigo-MusesC5 — Data Link

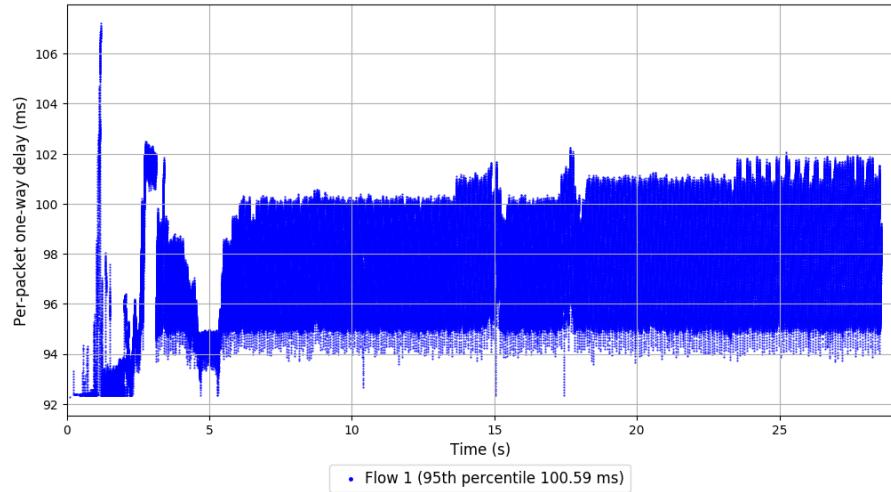
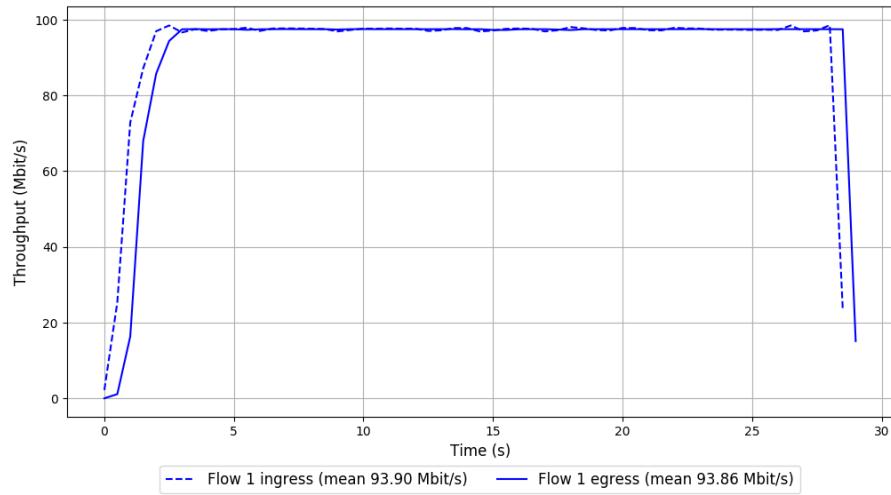


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 11:52:06
End at: 2019-11-24 11:52:36
Local clock offset: -0.13 ms
Remote clock offset: -8.95 ms

# Below is generated by plot.py at 2019-11-24 14:08:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.86 Mbit/s
95th percentile per-packet one-way delay: 100.593 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 93.86 Mbit/s
95th percentile per-packet one-way delay: 100.593 ms
Loss rate: 0.53%
```

Run 1: Report of Indigo-MusesD — Data Link

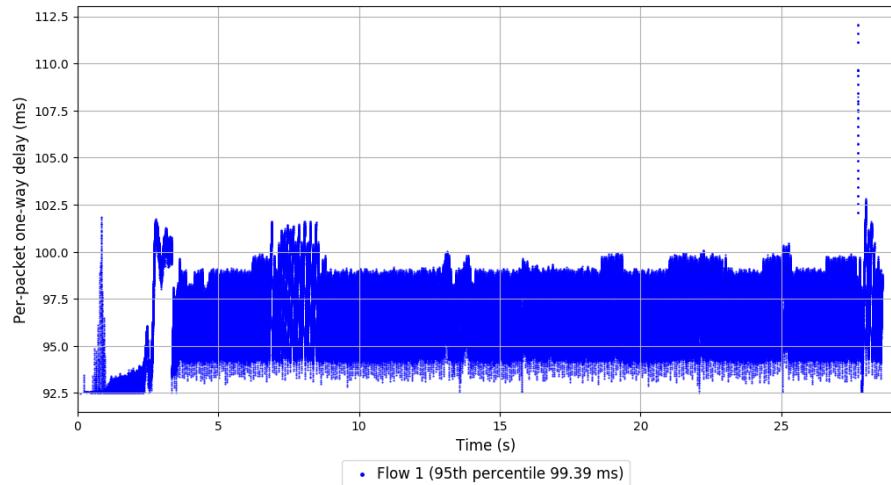
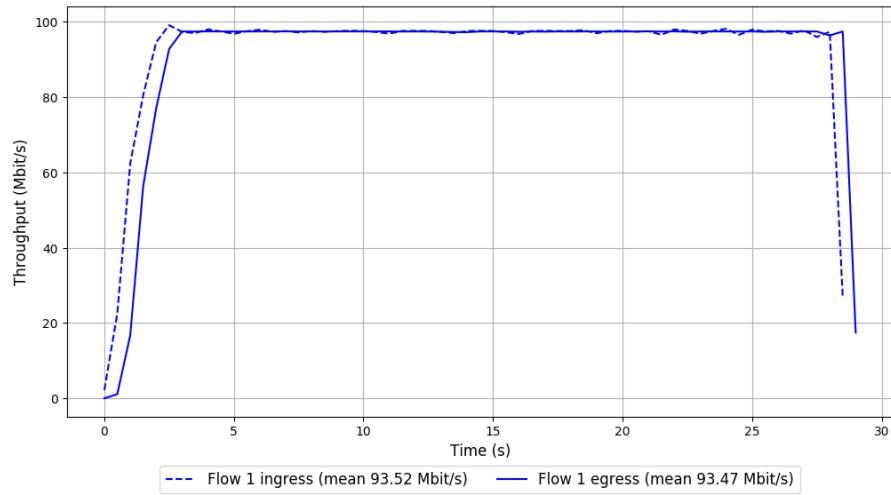


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 12:20:15
End at: 2019-11-24 12:20:45
Local clock offset: -0.789 ms
Remote clock offset: -9.425 ms

# Below is generated by plot.py at 2019-11-24 14:08:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.47 Mbit/s
95th percentile per-packet one-way delay: 99.385 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 93.47 Mbit/s
95th percentile per-packet one-way delay: 99.385 ms
Loss rate: 0.53%
```

Run 2: Report of Indigo-MusesD — Data Link

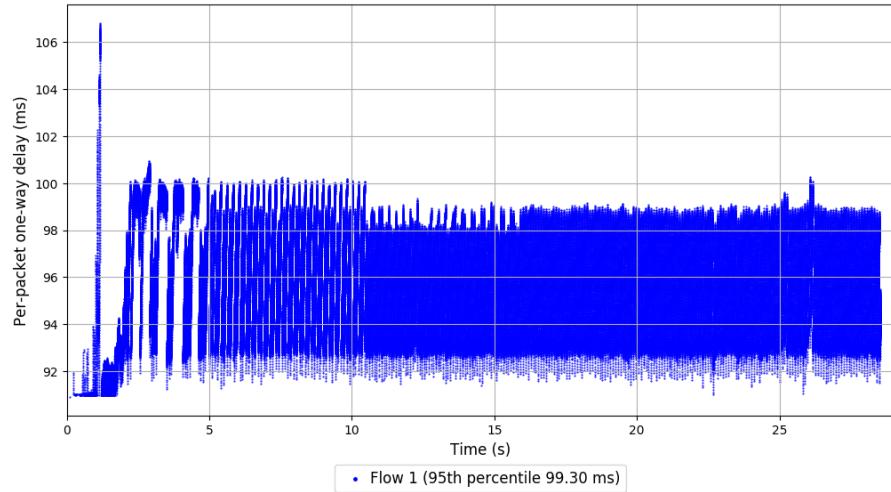
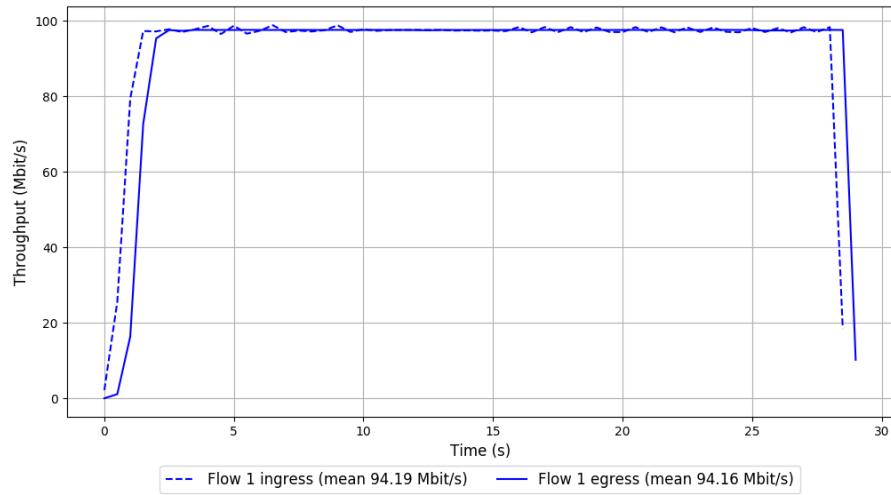


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 12:48:22
End at: 2019-11-24 12:48:52
Local clock offset: -1.257 ms
Remote clock offset: -8.755 ms

# Below is generated by plot.py at 2019-11-24 14:08:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 99.297 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 94.16 Mbit/s
95th percentile per-packet one-way delay: 99.297 ms
Loss rate: 0.52%
```

Run 3: Report of Indigo-MusesD — Data Link

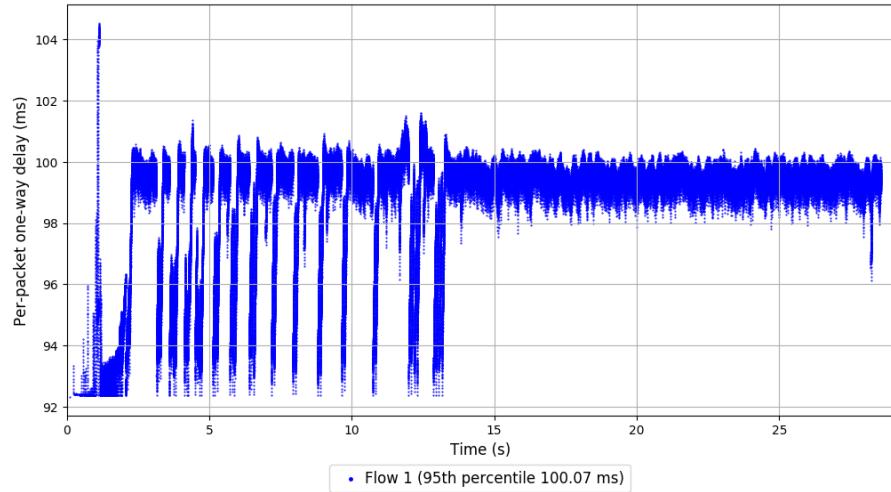
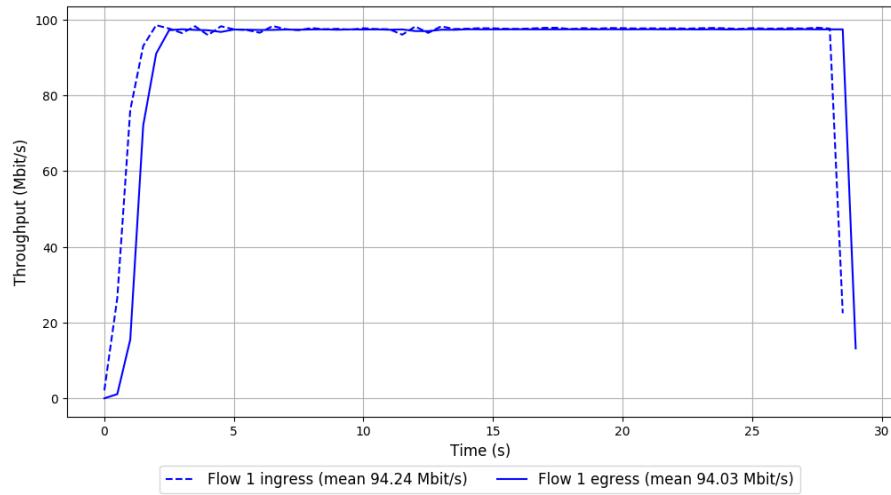


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 13:16:30
End at: 2019-11-24 13:17:01
Local clock offset: 0.047 ms
Remote clock offset: -9.366 ms

# Below is generated by plot.py at 2019-11-24 14:08:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.03 Mbit/s
95th percentile per-packet one-way delay: 100.073 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 94.03 Mbit/s
95th percentile per-packet one-way delay: 100.073 ms
Loss rate: 0.71%
```

Run 4: Report of Indigo-MusesD — Data Link

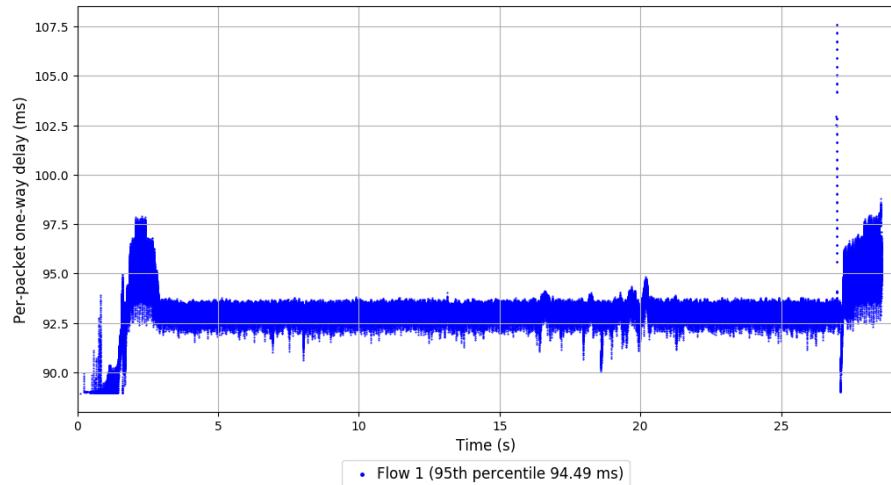
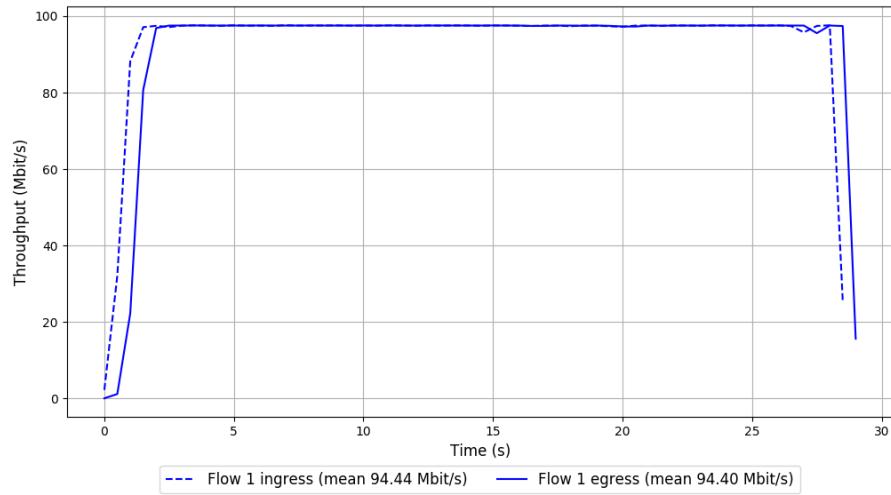


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-11-24 13:44:44
End at: 2019-11-24 13:45:14
Local clock offset: -1.06 ms
Remote clock offset: -8.601 ms

# Below is generated by plot.py at 2019-11-24 14:08:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 94.492 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 94.492 ms
Loss rate: 0.52%
```

Run 5: Report of Indigo-MusesD — Data Link

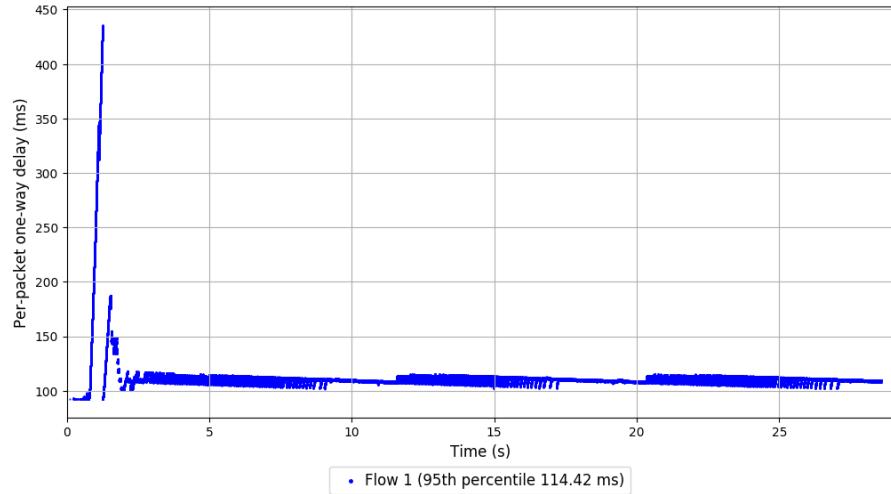
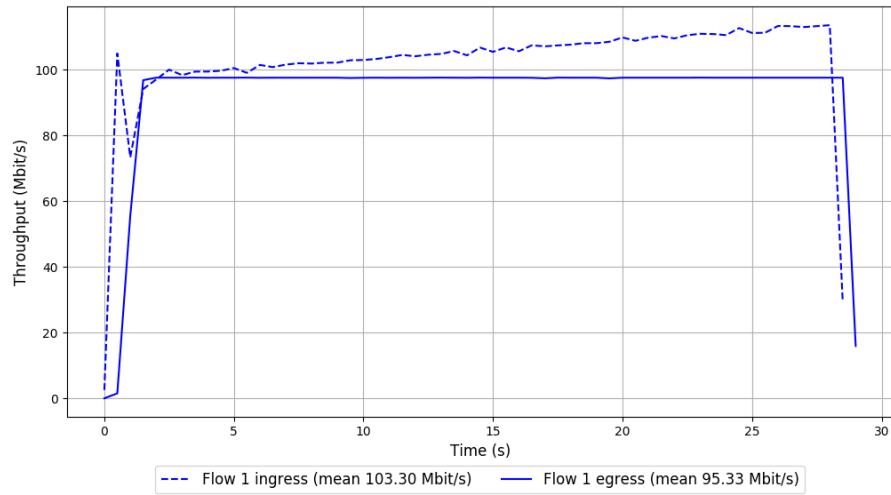


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 11:47:25
End at: 2019-11-24 11:47:55
Local clock offset: -0.131 ms
Remote clock offset: -8.628 ms

# Below is generated by plot.py at 2019-11-24 14:09:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 114.419 ms
Loss rate: 8.17%
-- Flow 1:
Average throughput: 95.33 Mbit/s
95th percentile per-packet one-way delay: 114.419 ms
Loss rate: 8.17%
```

Run 1: Report of Indigo-MusesT — Data Link

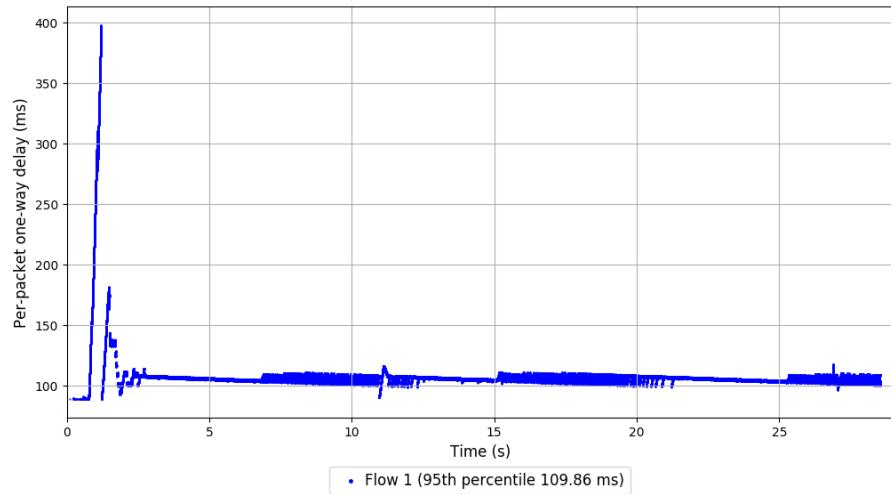
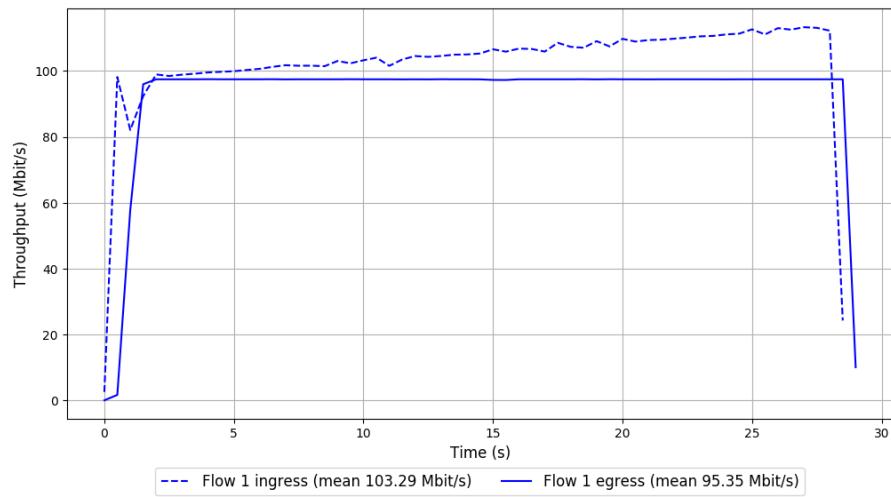


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 12:15:34
End at: 2019-11-24 12:16:04
Local clock offset: -1.317 ms
Remote clock offset: -8.679 ms

# Below is generated by plot.py at 2019-11-24 14:09:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 109.865 ms
Loss rate: 8.14%
-- Flow 1:
Average throughput: 95.35 Mbit/s
95th percentile per-packet one-way delay: 109.865 ms
Loss rate: 8.14%
```

Run 2: Report of Indigo-MusesT — Data Link

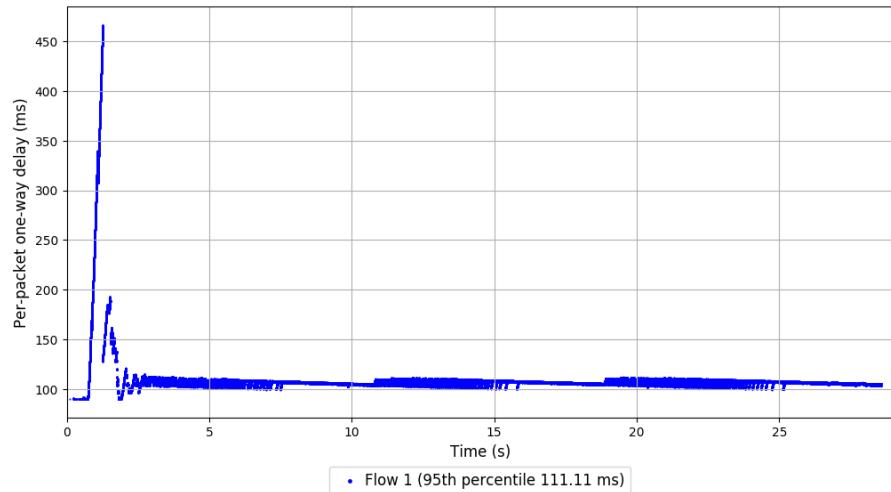
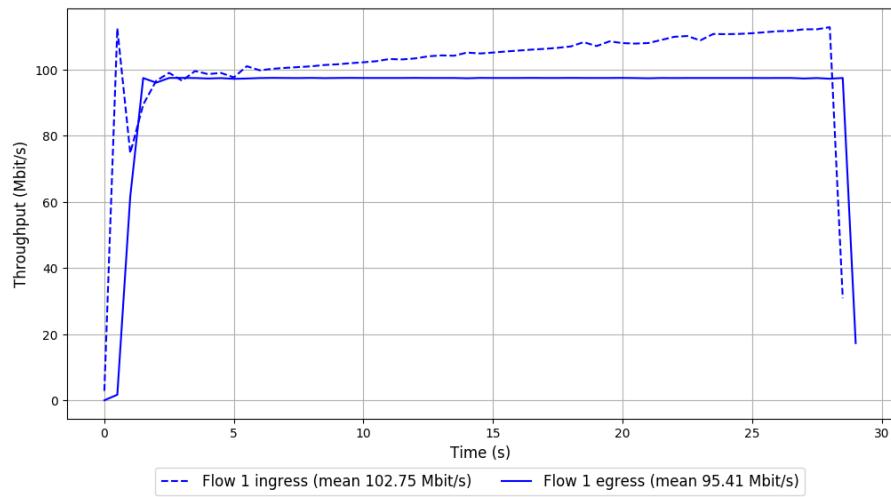


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 12:43:42
End at: 2019-11-24 12:44:12
Local clock offset: -0.738 ms
Remote clock offset: -8.792 ms

# Below is generated by plot.py at 2019-11-24 14:09:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 111.105 ms
Loss rate: 7.59%
-- Flow 1:
Average throughput: 95.41 Mbit/s
95th percentile per-packet one-way delay: 111.105 ms
Loss rate: 7.59%
```

Run 3: Report of Indigo-MusesT — Data Link

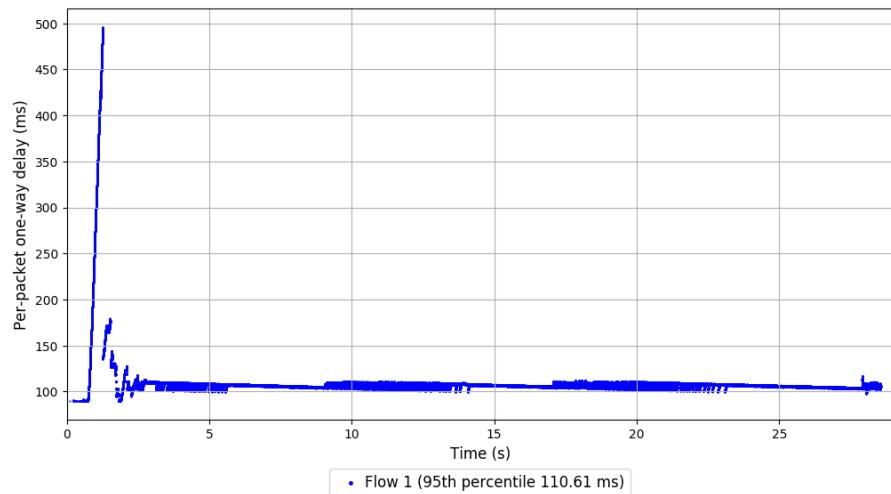
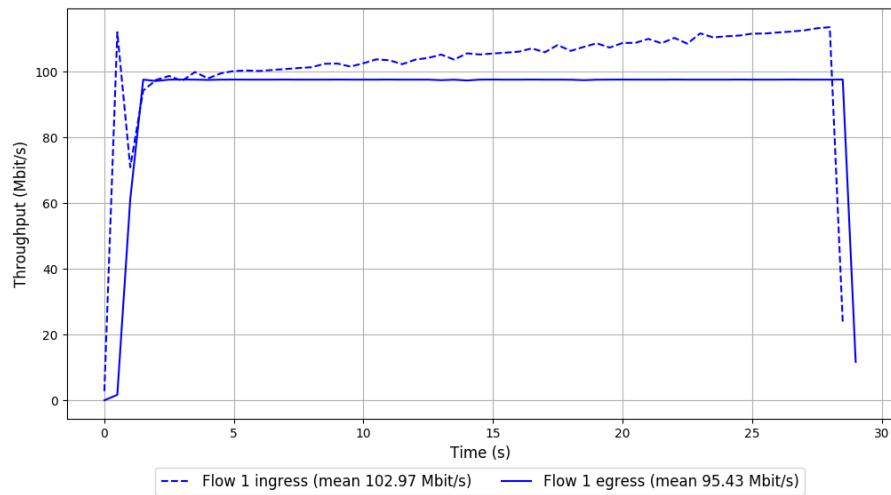


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 13:11:50
End at: 2019-11-24 13:12:20
Local clock offset: 0.031 ms
Remote clock offset: -8.775 ms

# Below is generated by plot.py at 2019-11-24 14:09:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 110.614 ms
Loss rate: 7.77%
-- Flow 1:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 110.614 ms
Loss rate: 7.77%
```

Run 4: Report of Indigo-MusesT — Data Link

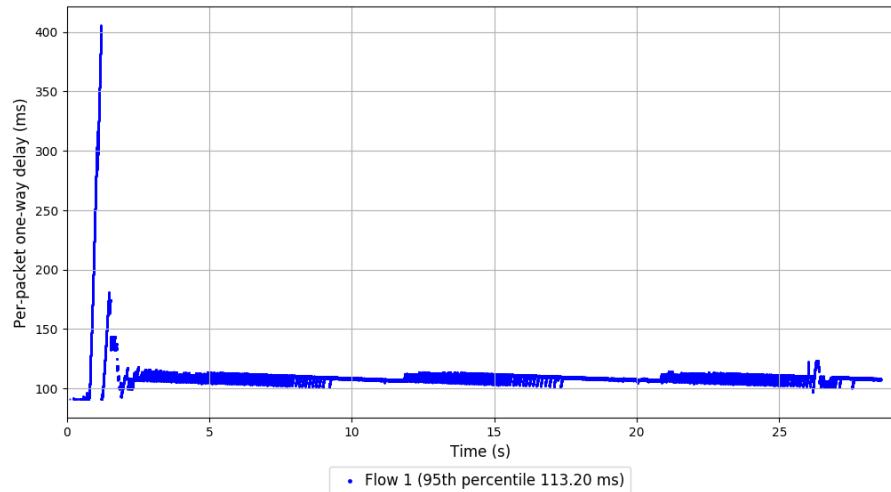
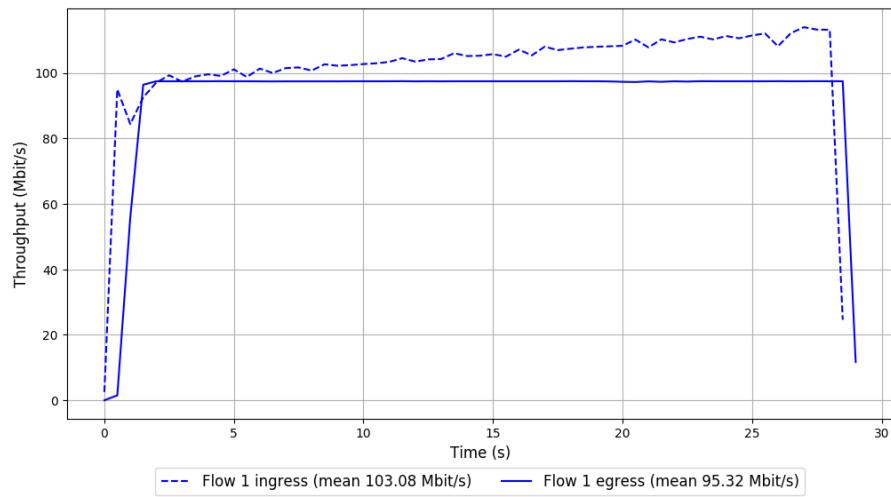


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-11-24 13:40:03
End at: 2019-11-24 13:40:33
Local clock offset: -0.635 ms
Remote clock offset: -8.63 ms

# Below is generated by plot.py at 2019-11-24 14:09:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 113.198 ms
Loss rate: 7.98%
-- Flow 1:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 113.198 ms
Loss rate: 7.98%
```

Run 5: Report of Indigo-MusesT — Data Link

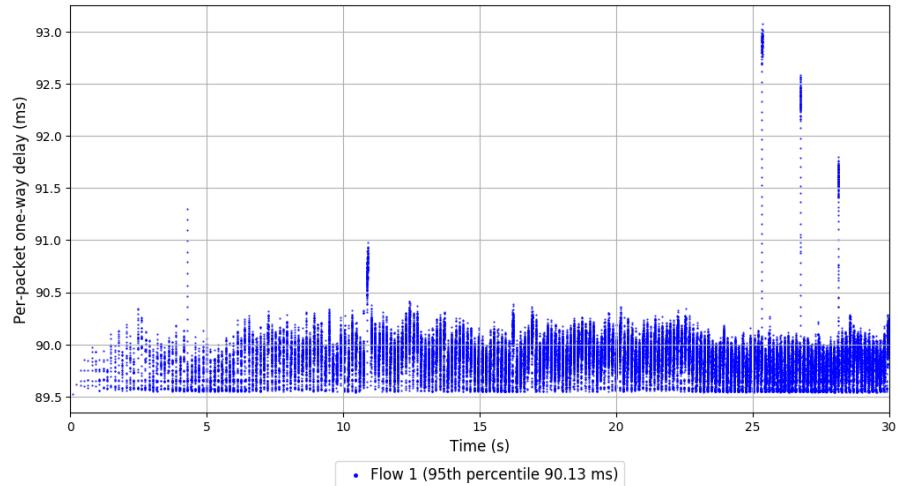
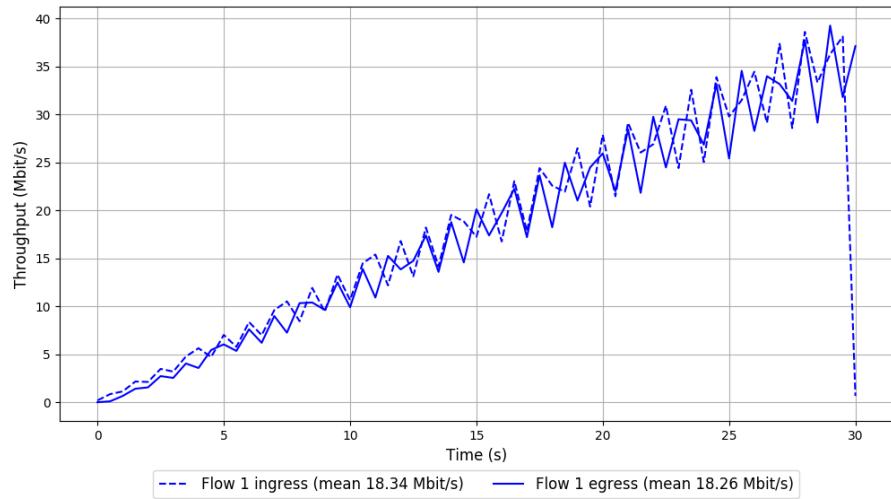


Run 1: Statistics of LEDBAT

```
Start at: 2019-11-24 12:00:18
End at: 2019-11-24 12:00:48
Local clock offset: -0.949 ms
Remote clock offset: -9.299 ms

# Below is generated by plot.py at 2019-11-24 14:09:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.26 Mbit/s
95th percentile per-packet one-way delay: 90.131 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 18.26 Mbit/s
95th percentile per-packet one-way delay: 90.131 ms
Loss rate: 0.90%
```

Run 1: Report of LEDBAT — Data Link

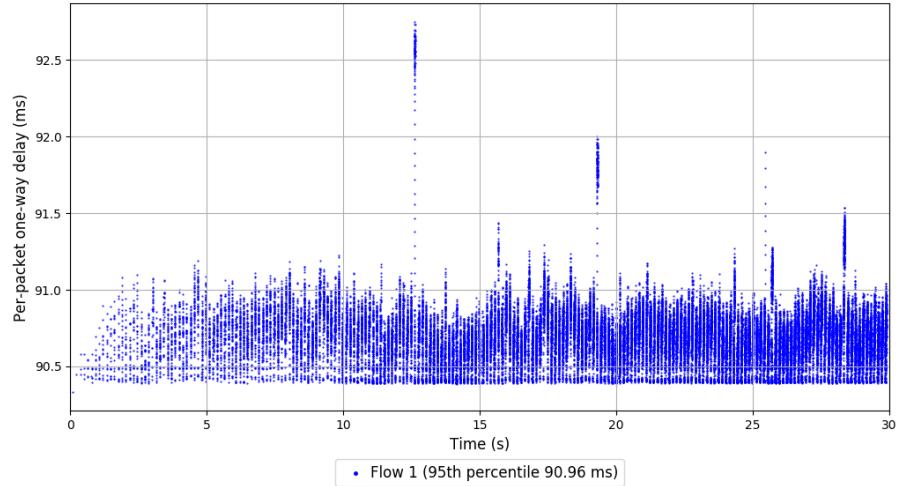
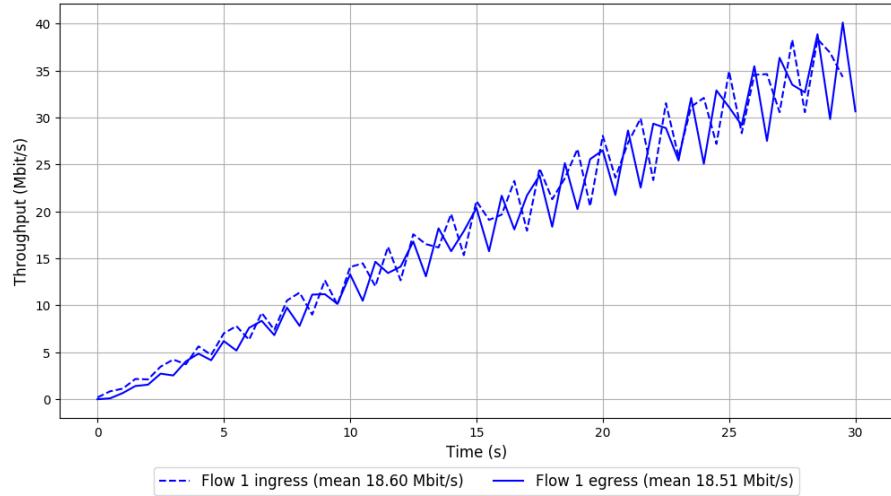


Run 2: Statistics of LEDBAT

```
Start at: 2019-11-24 12:28:26
End at: 2019-11-24 12:28:56
Local clock offset: -0.997 ms
Remote clock offset: -9.397 ms

# Below is generated by plot.py at 2019-11-24 14:09:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.51 Mbit/s
95th percentile per-packet one-way delay: 90.958 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 18.51 Mbit/s
95th percentile per-packet one-way delay: 90.958 ms
Loss rate: 0.92%
```

Run 2: Report of LEDBAT — Data Link

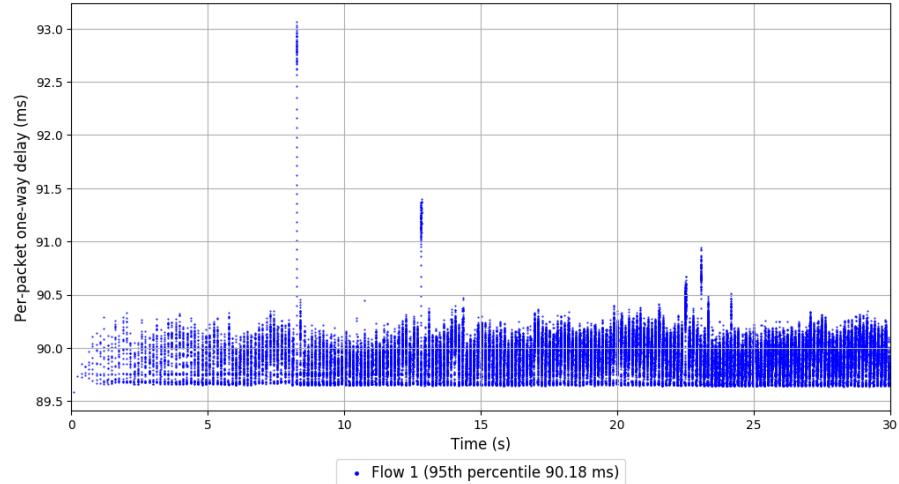
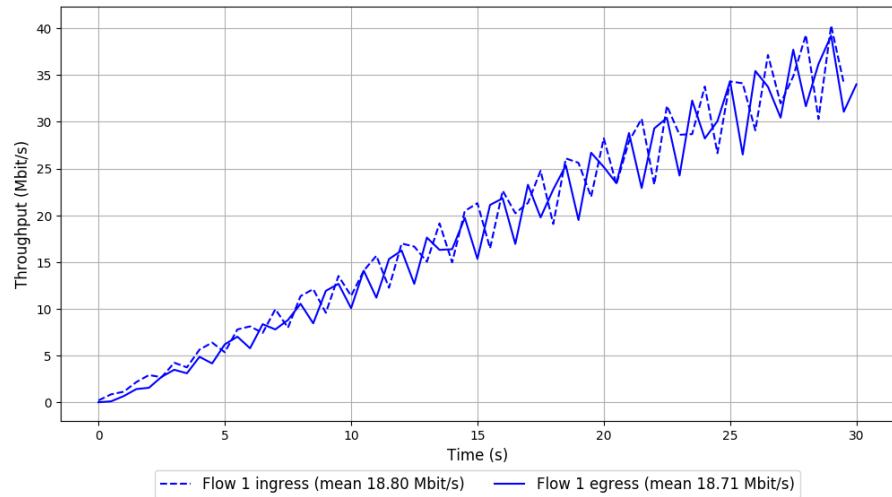


Run 3: Statistics of LEDBAT

```
Start at: 2019-11-24 12:56:34
End at: 2019-11-24 12:57:04
Local clock offset: -0.164 ms
Remote clock offset: -8.703 ms

# Below is generated by plot.py at 2019-11-24 14:09:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.71 Mbit/s
95th percentile per-packet one-way delay: 90.181 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 18.71 Mbit/s
95th percentile per-packet one-way delay: 90.181 ms
Loss rate: 0.92%
```

Run 3: Report of LEDBAT — Data Link

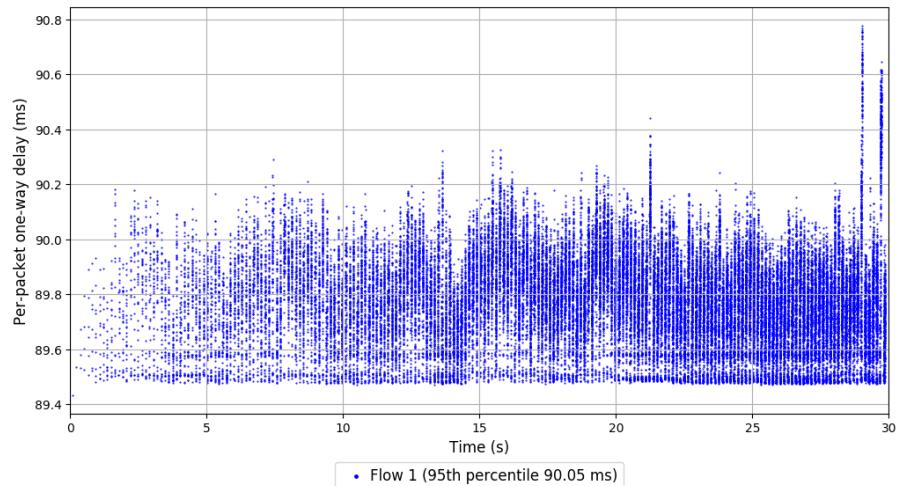
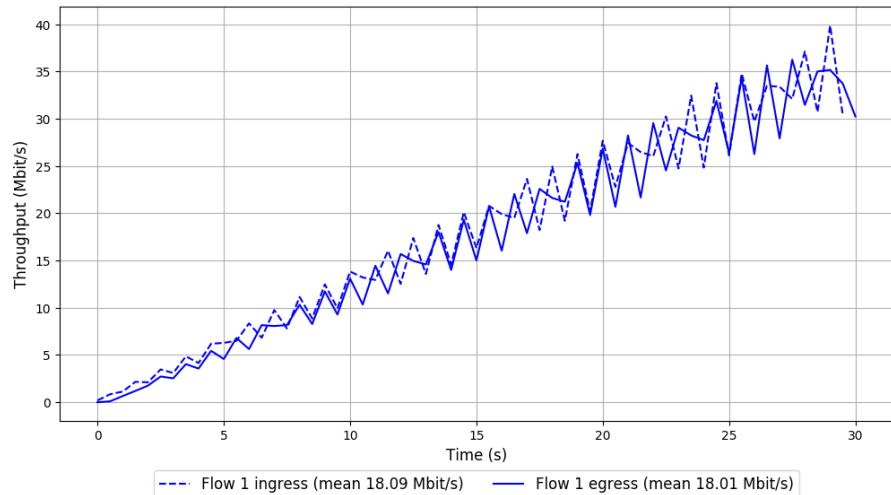


Run 4: Statistics of LEDBAT

```
Start at: 2019-11-24 13:24:47
End at: 2019-11-24 13:25:17
Local clock offset: -0.712 ms
Remote clock offset: -9.346 ms

# Below is generated by plot.py at 2019-11-24 14:09:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.01 Mbit/s
95th percentile per-packet one-way delay: 90.048 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 18.01 Mbit/s
95th percentile per-packet one-way delay: 90.048 ms
Loss rate: 0.94%
```

Run 4: Report of LEDBAT — Data Link

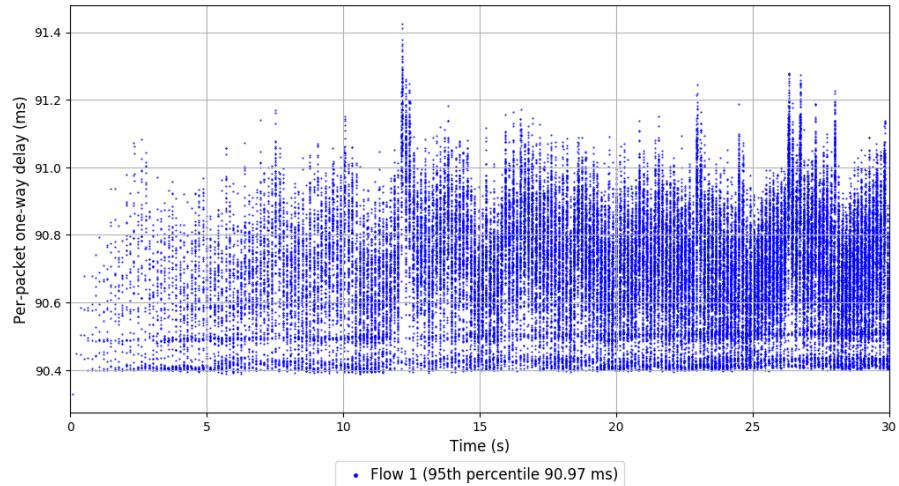
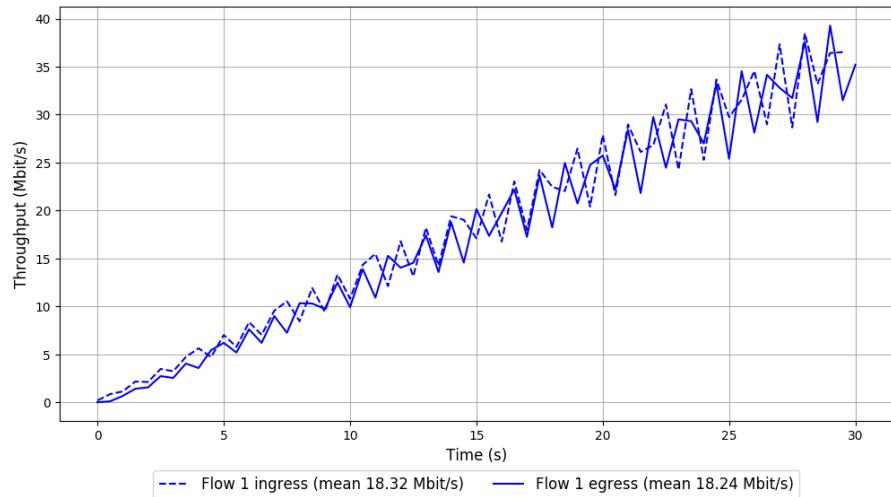


Run 5: Statistics of LEDBAT

```
Start at: 2019-11-24 13:52:55
End at: 2019-11-24 13:53:25
Local clock offset: -0.701 ms
Remote clock offset: -9.291 ms

# Below is generated by plot.py at 2019-11-24 14:09:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.24 Mbit/s
95th percentile per-packet one-way delay: 90.970 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 18.24 Mbit/s
95th percentile per-packet one-way delay: 90.970 ms
Loss rate: 0.90%
```

Run 5: Report of LEDBAT — Data Link

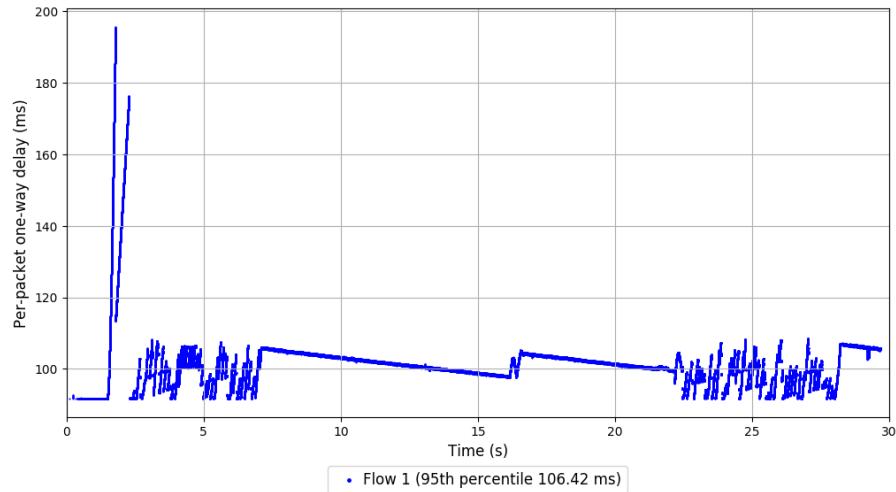
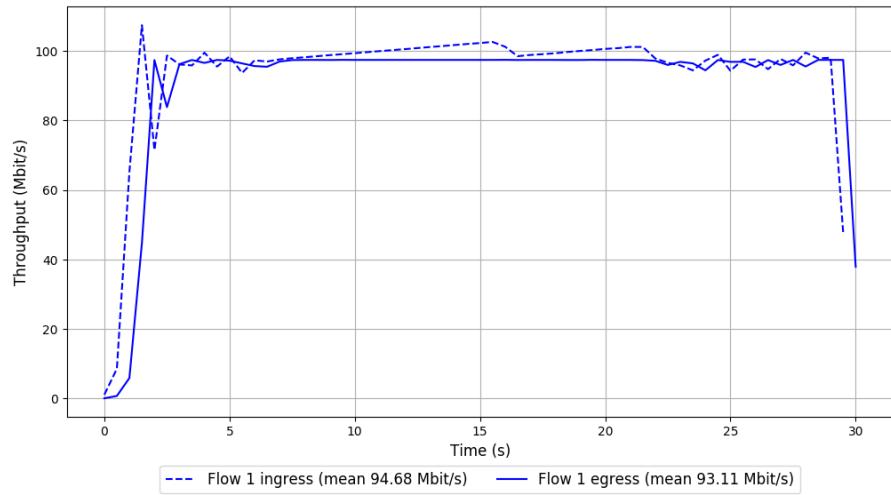


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 11:41:35
End at: 2019-11-24 11:42:05
Local clock offset: -0.054 ms
Remote clock offset: -7.784 ms

# Below is generated by plot.py at 2019-11-24 14:10:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 106.420 ms
Loss rate: 2.12%
-- Flow 1:
Average throughput: 93.11 Mbit/s
95th percentile per-packet one-way delay: 106.420 ms
Loss rate: 2.12%
```

Run 1: Report of Muses_DecisionTree — Data Link

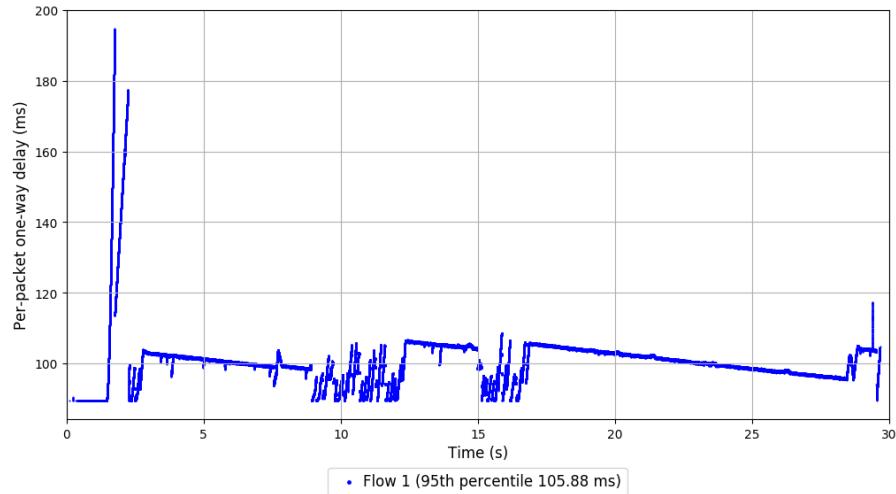
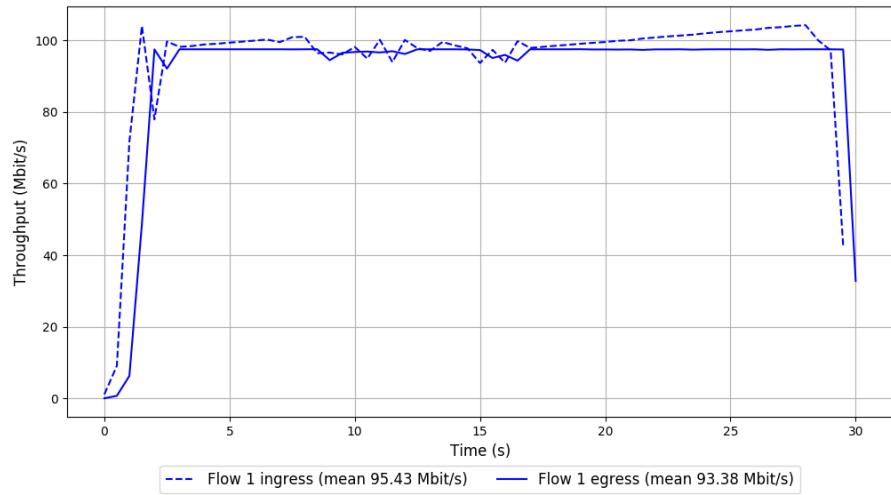


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 12:09:43
End at: 2019-11-24 12:10:13
Local clock offset: -0.861 ms
Remote clock offset: -9.255 ms

# Below is generated by plot.py at 2019-11-24 14:10:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: 105.882 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 93.38 Mbit/s
95th percentile per-packet one-way delay: 105.882 ms
Loss rate: 2.60%
```

Run 2: Report of Muses_DecisionTree — Data Link

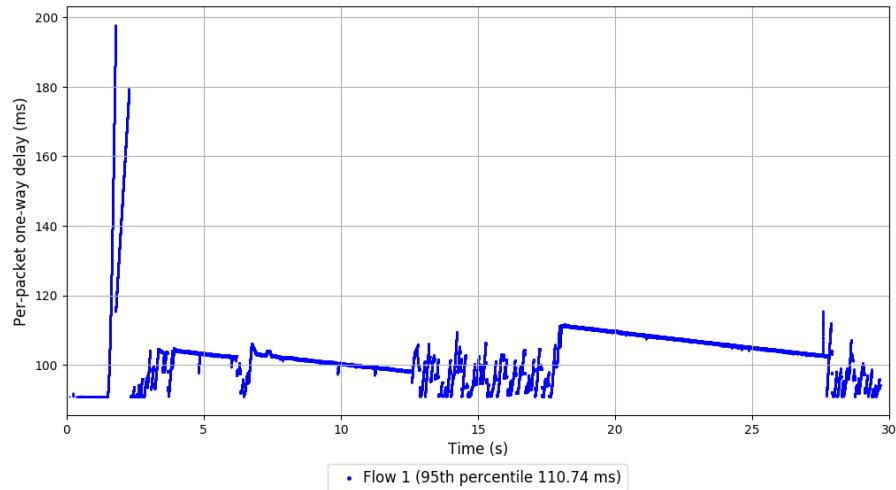
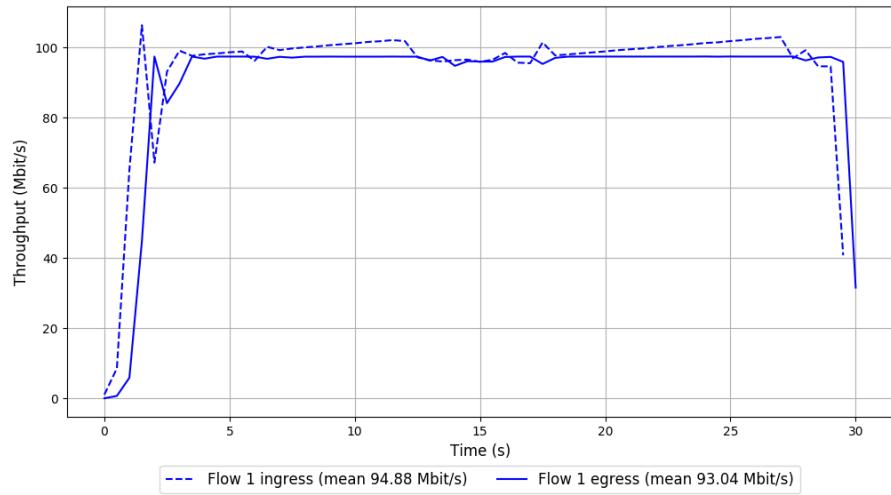


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 12:37:51
End at: 2019-11-24 12:38:21
Local clock offset: -1.951 ms
Remote clock offset: -8.685 ms

# Below is generated by plot.py at 2019-11-24 14:10:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: 110.742 ms
Loss rate: 2.40%
-- Flow 1:
Average throughput: 93.04 Mbit/s
95th percentile per-packet one-way delay: 110.742 ms
Loss rate: 2.40%
```

Run 3: Report of Muses_DecisionTree — Data Link

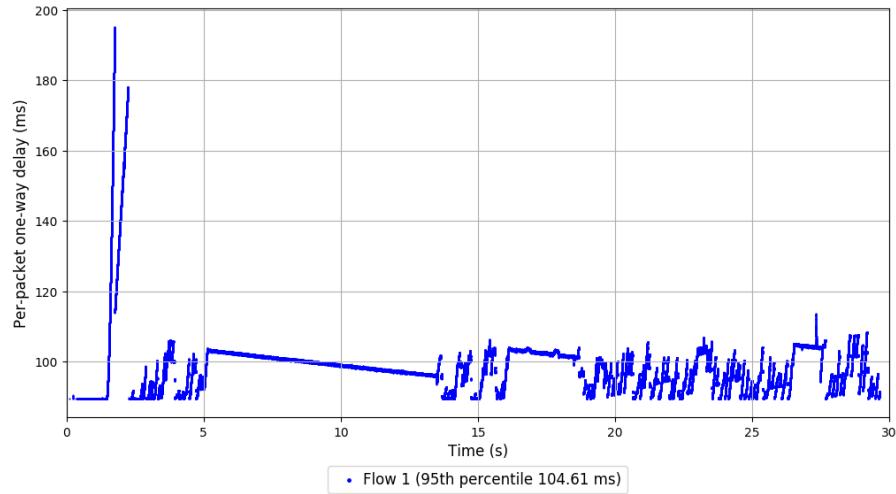
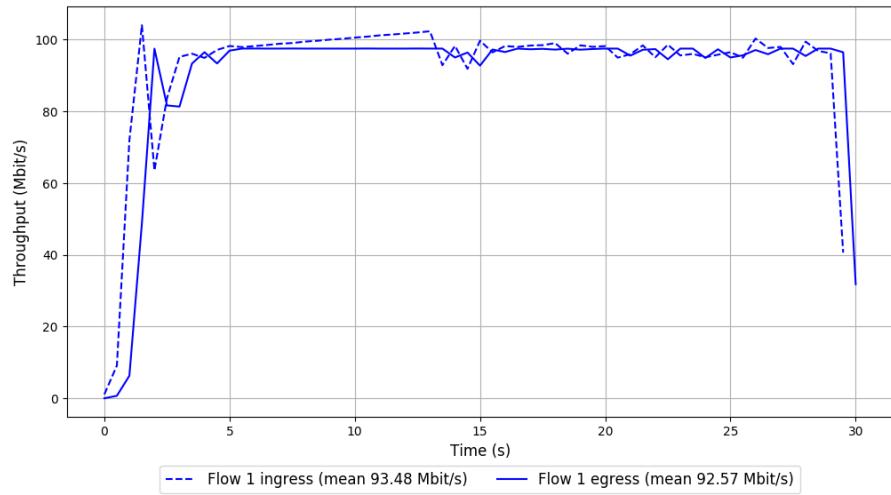


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 13:05:58
End at: 2019-11-24 13:06:28
Local clock offset: -0.834 ms
Remote clock offset: -9.378 ms

# Below is generated by plot.py at 2019-11-24 14:10:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.57 Mbit/s
95th percentile per-packet one-way delay: 104.605 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 92.57 Mbit/s
95th percentile per-packet one-way delay: 104.605 ms
Loss rate: 1.44%
```

Run 4: Report of Muses_DecisionTree — Data Link

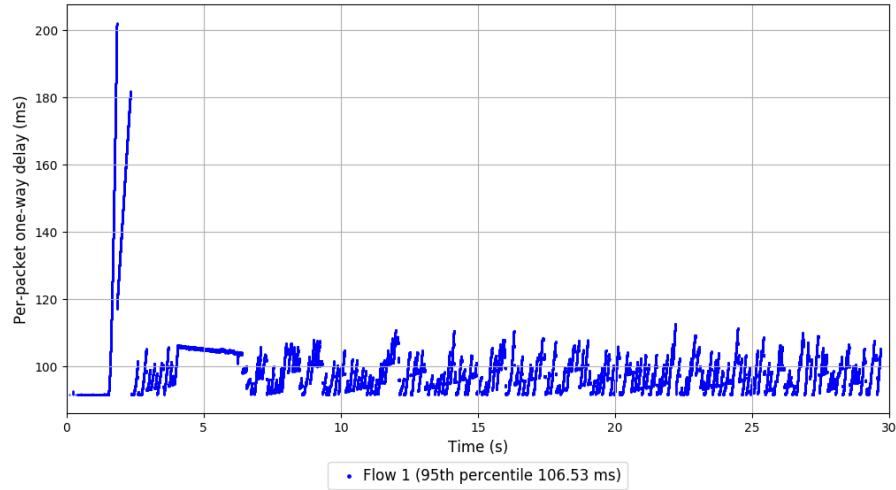
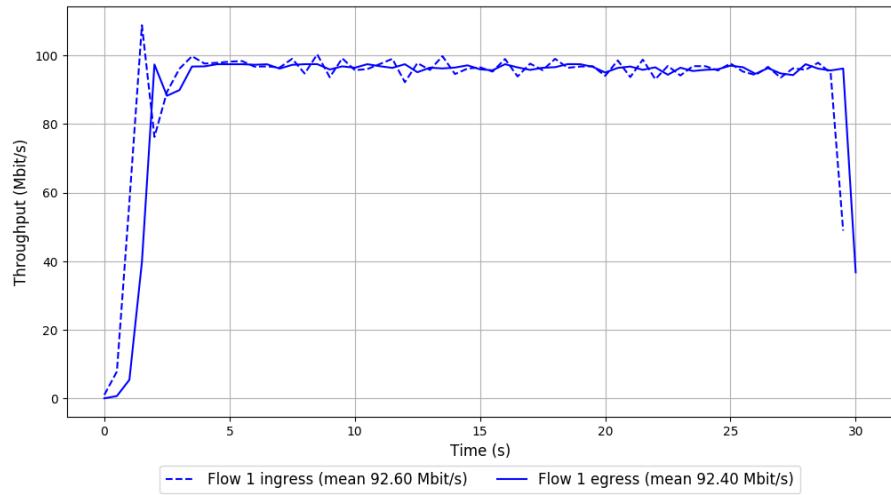


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-11-24 13:34:12
End at: 2019-11-24 13:34:42
Local clock offset: -0.599 ms
Remote clock offset: -9.308 ms

# Below is generated by plot.py at 2019-11-24 14:10:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.40 Mbit/s
95th percentile per-packet one-way delay: 106.531 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 92.40 Mbit/s
95th percentile per-packet one-way delay: 106.531 ms
Loss rate: 0.68%
```

Run 5: Report of Muses_DecisionTree — Data Link

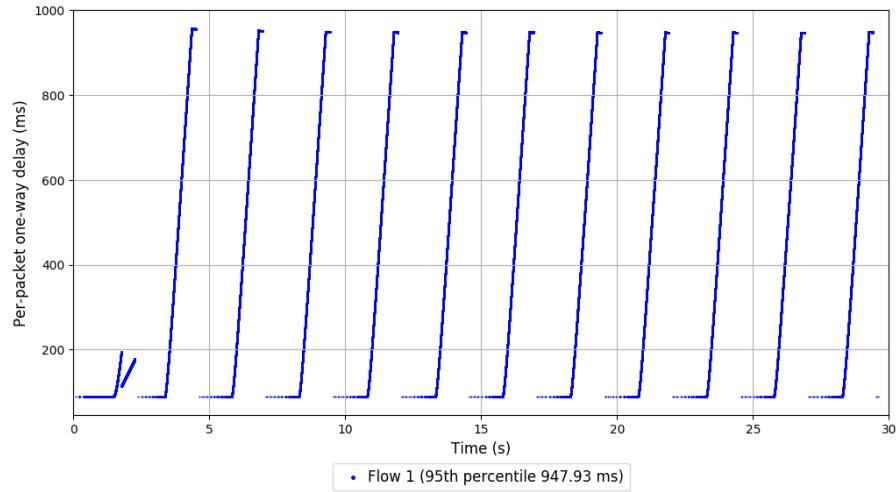
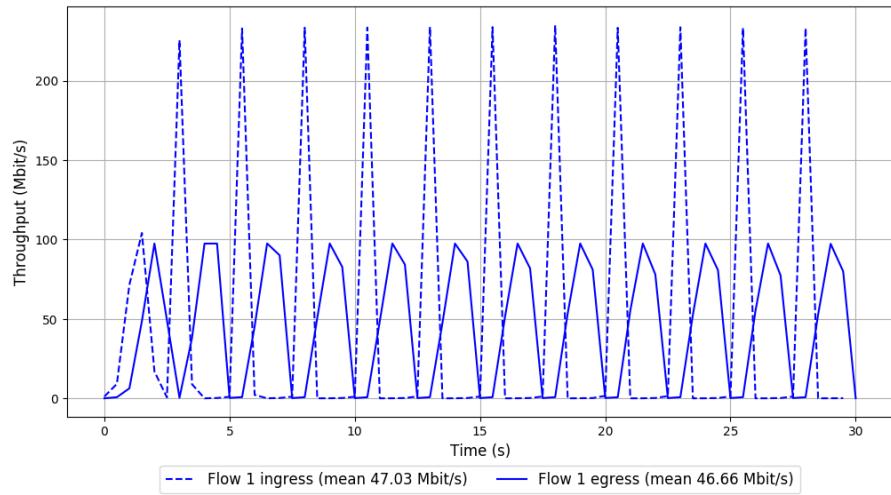


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 12:04:59
End at: 2019-11-24 12:05:29
Local clock offset: -0.869 ms
Remote clock offset: -8.77 ms

# Below is generated by plot.py at 2019-11-24 14:10:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.66 Mbit/s
95th percentile per-packet one-way delay: 947.927 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 46.66 Mbit/s
95th percentile per-packet one-way delay: 947.927 ms
Loss rate: 1.27%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

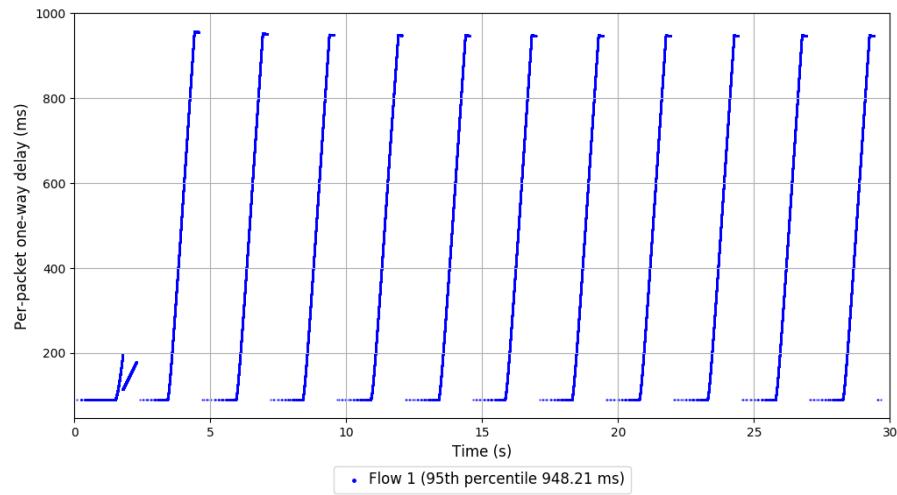
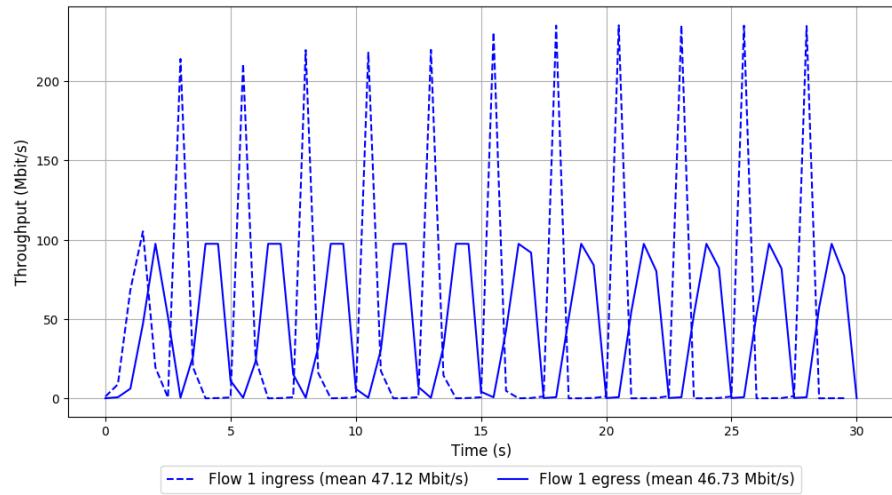


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 12:33:08
End at: 2019-11-24 12:33:38
Local clock offset: -1.073 ms
Remote clock offset: -8.74 ms

# Below is generated by plot.py at 2019-11-24 14:10:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.73 Mbit/s
95th percentile per-packet one-way delay: 948.205 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 46.73 Mbit/s
95th percentile per-packet one-way delay: 948.205 ms
Loss rate: 1.27%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

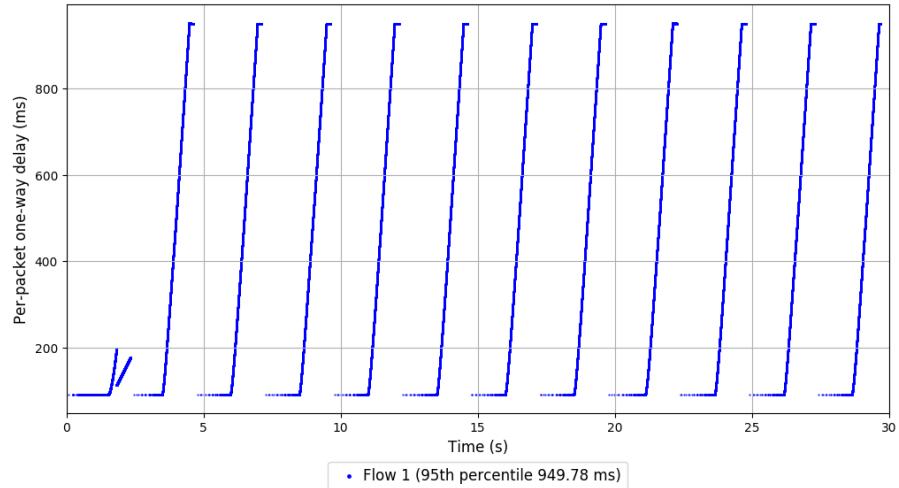
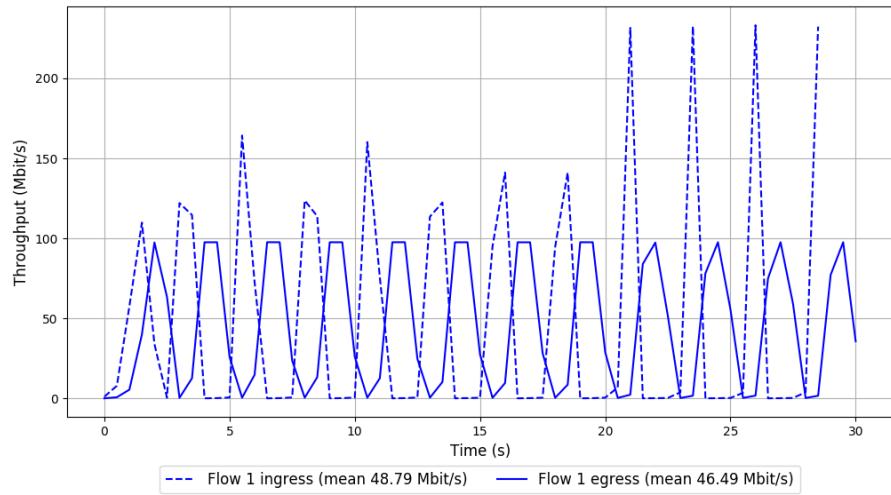


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 13:01:15
End at: 2019-11-24 13:01:45
Local clock offset: -0.071 ms
Remote clock offset: -8.67 ms

# Below is generated by plot.py at 2019-11-24 14:10:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.49 Mbit/s
95th percentile per-packet one-way delay: 949.779 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 46.49 Mbit/s
95th percentile per-packet one-way delay: 949.779 ms
Loss rate: 2.24%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

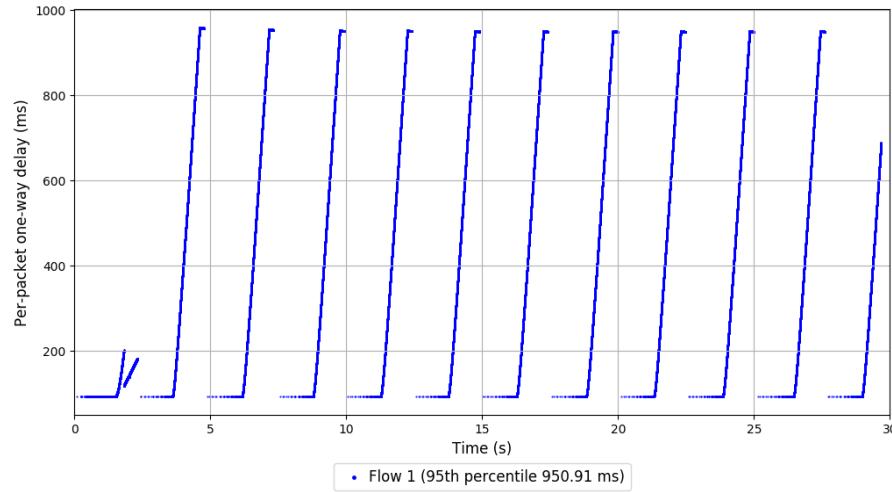
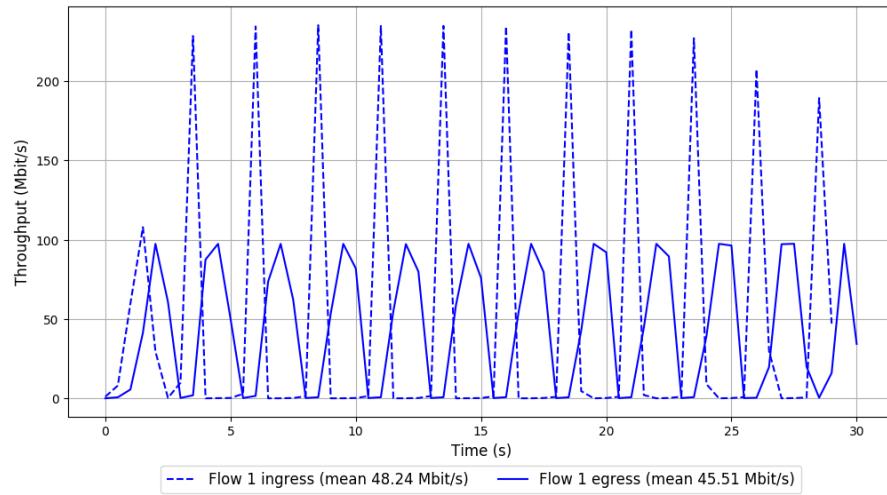


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 13:29:28
End at: 2019-11-24 13:29:58
Local clock offset: 0.101 ms
Remote clock offset: -8.696 ms

# Below is generated by plot.py at 2019-11-24 14:10:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.51 Mbit/s
95th percentile per-packet one-way delay: 950.915 ms
Loss rate: 4.31%
-- Flow 1:
Average throughput: 45.51 Mbit/s
95th percentile per-packet one-way delay: 950.915 ms
Loss rate: 4.31%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

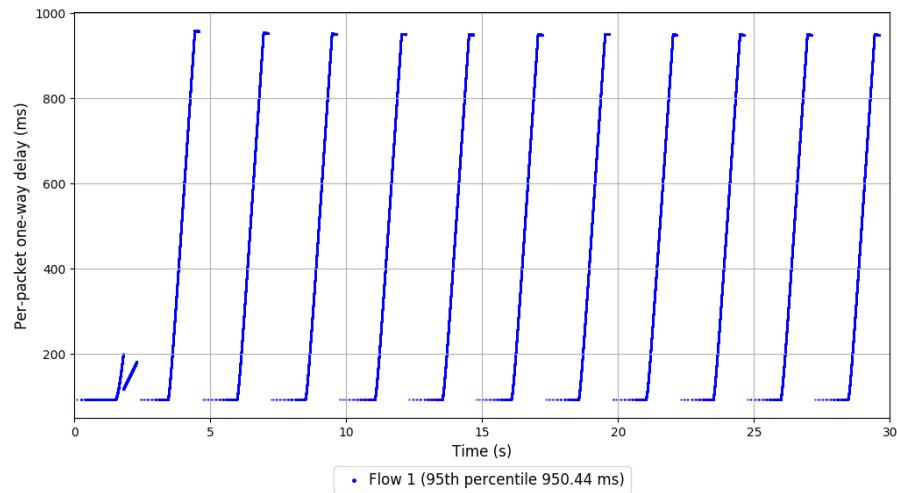
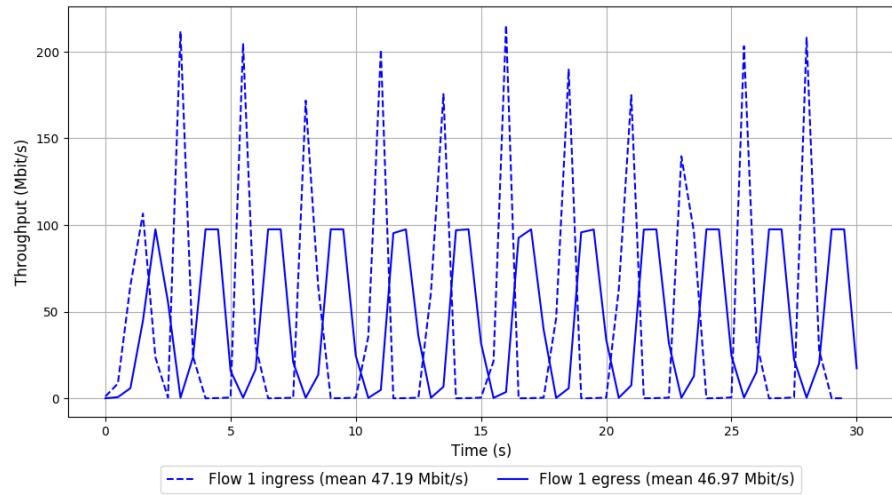


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-11-24 13:57:36
End at: 2019-11-24 13:58:06
Local clock offset: -1.566 ms
Remote clock offset: -9.299 ms

# Below is generated by plot.py at 2019-11-24 14:10:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.97 Mbit/s
95th percentile per-packet one-way delay: 950.438 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 46.97 Mbit/s
95th percentile per-packet one-way delay: 950.438 ms
Loss rate: 1.28%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

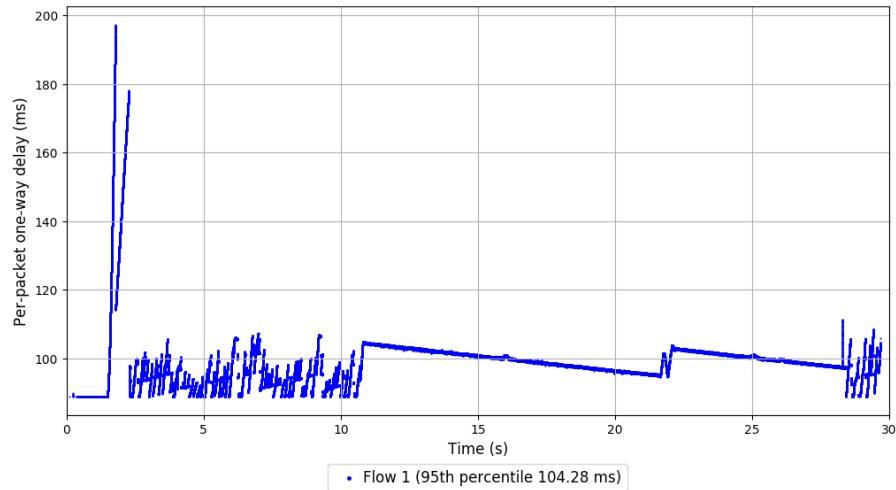
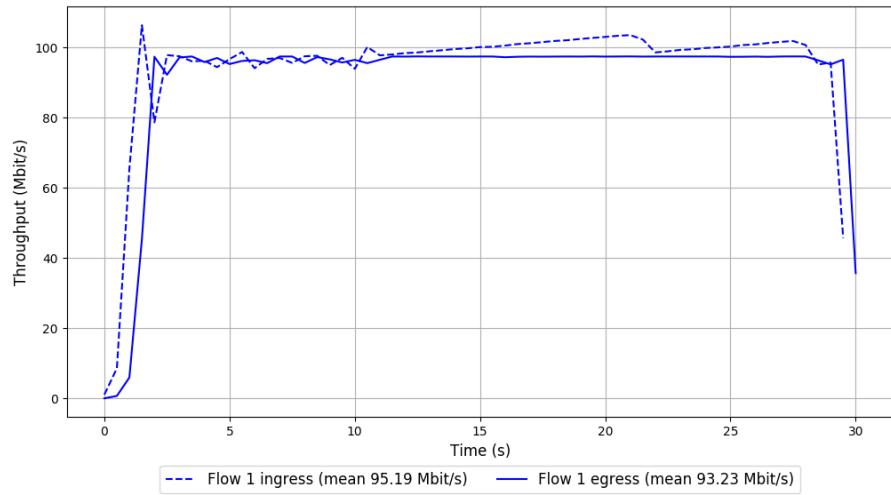


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 12:07:21
End at: 2019-11-24 12:07:51
Local clock offset: -0.919 ms
Remote clock offset: -8.702 ms

# Below is generated by plot.py at 2019-11-24 14:11:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: 104.283 ms
Loss rate: 2.50%
-- Flow 1:
Average throughput: 93.23 Mbit/s
95th percentile per-packet one-way delay: 104.283 ms
Loss rate: 2.50%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

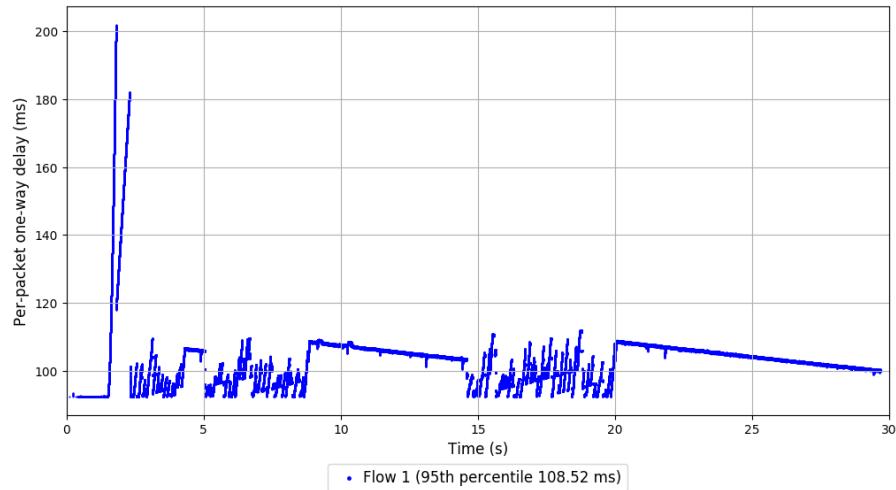
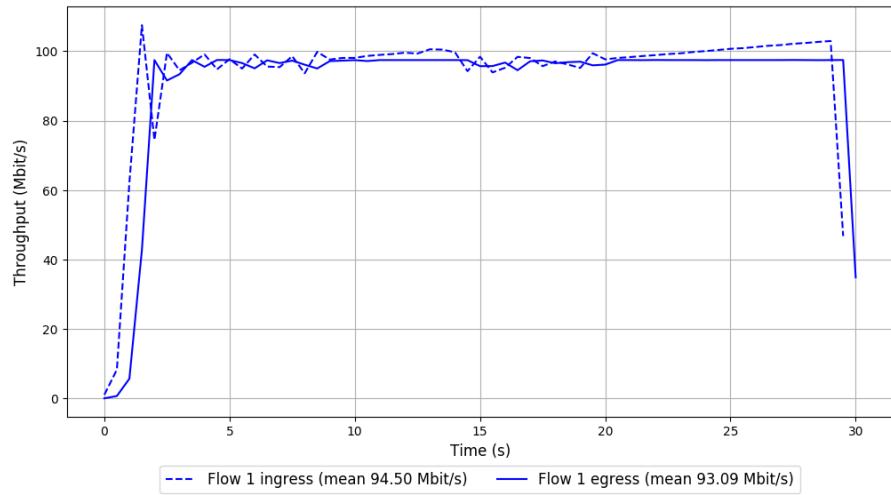


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 12:35:29
End at: 2019-11-24 12:35:59
Local clock offset: -1.103 ms
Remote clock offset: -9.421 ms

# Below is generated by plot.py at 2019-11-24 14:11:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.09 Mbit/s
95th percentile per-packet one-way delay: 108.523 ms
Loss rate: 1.96%
-- Flow 1:
Average throughput: 93.09 Mbit/s
95th percentile per-packet one-way delay: 108.523 ms
Loss rate: 1.96%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

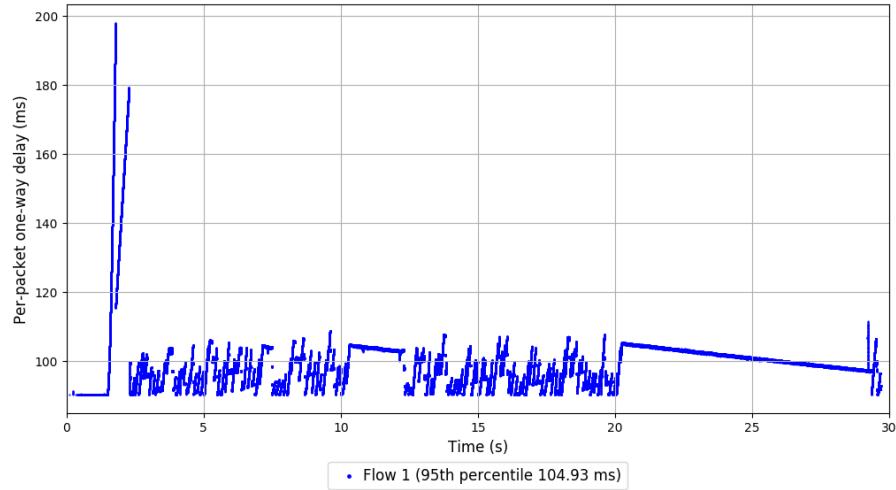
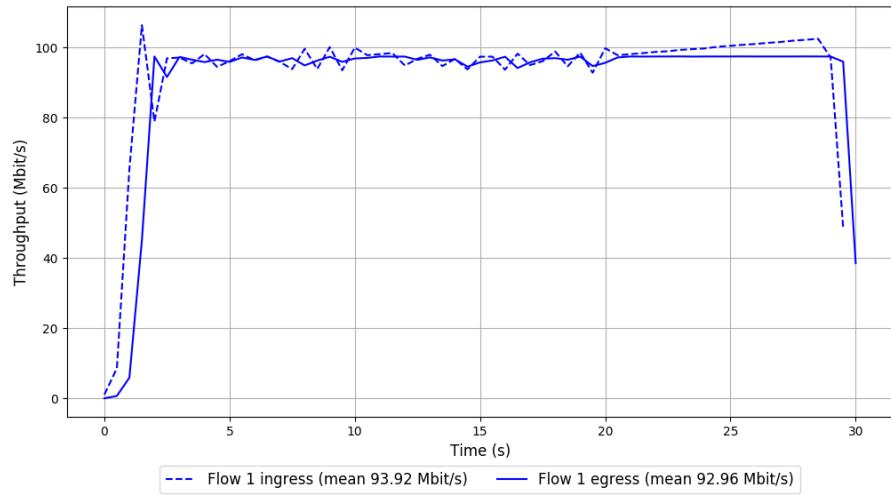


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 13:03:36
End at: 2019-11-24 13:04:06
Local clock offset: -0.034 ms
Remote clock offset: -9.327 ms

# Below is generated by plot.py at 2019-11-24 14:11:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.96 Mbit/s
95th percentile per-packet one-way delay: 104.932 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 92.96 Mbit/s
95th percentile per-packet one-way delay: 104.932 ms
Loss rate: 1.49%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

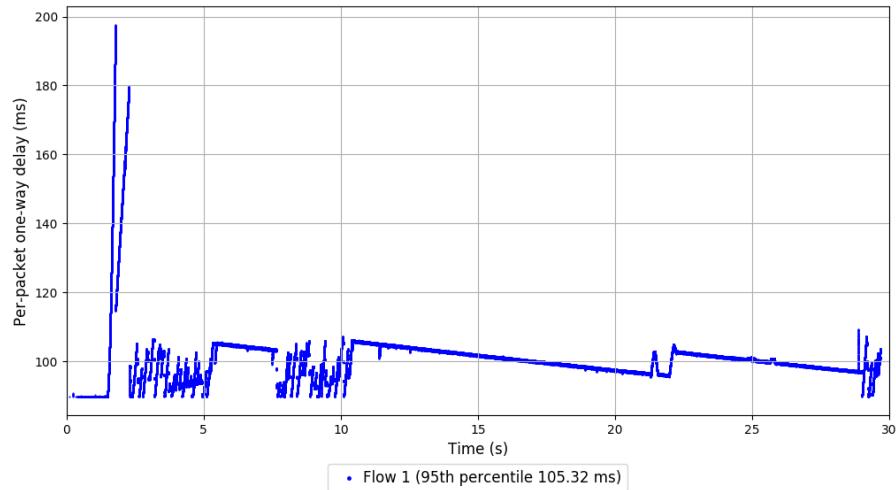
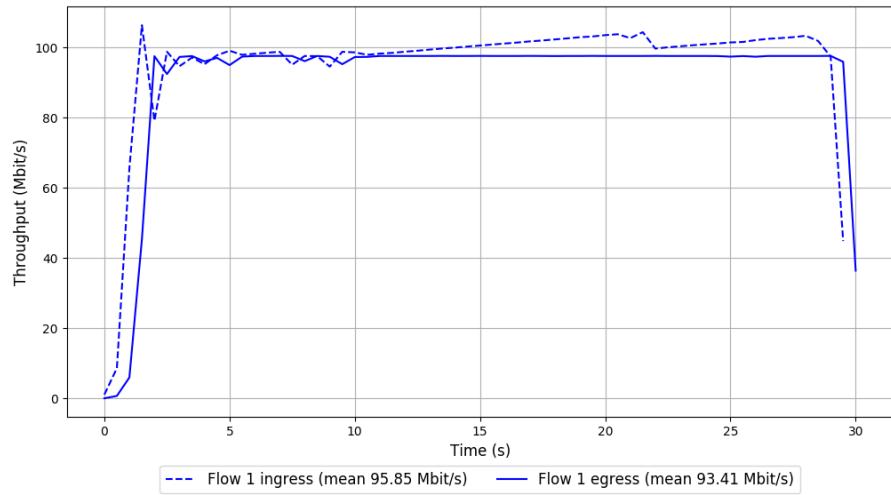


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 13:31:50
End at: 2019-11-24 13:32:20
Local clock offset: 0.137 ms
Remote clock offset: -8.685 ms

# Below is generated by plot.py at 2019-11-24 14:11:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.41 Mbit/s
95th percentile per-packet one-way delay: 105.322 ms
Loss rate: 3.00%
-- Flow 1:
Average throughput: 93.41 Mbit/s
95th percentile per-packet one-way delay: 105.322 ms
Loss rate: 3.00%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

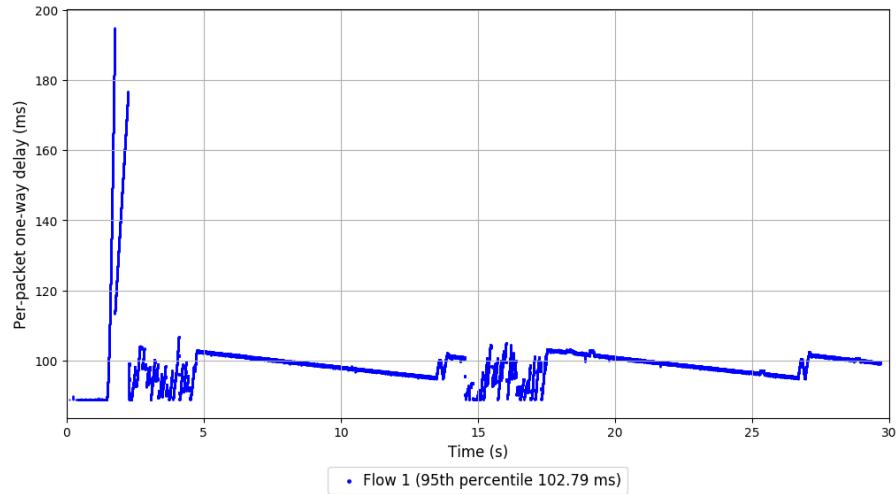
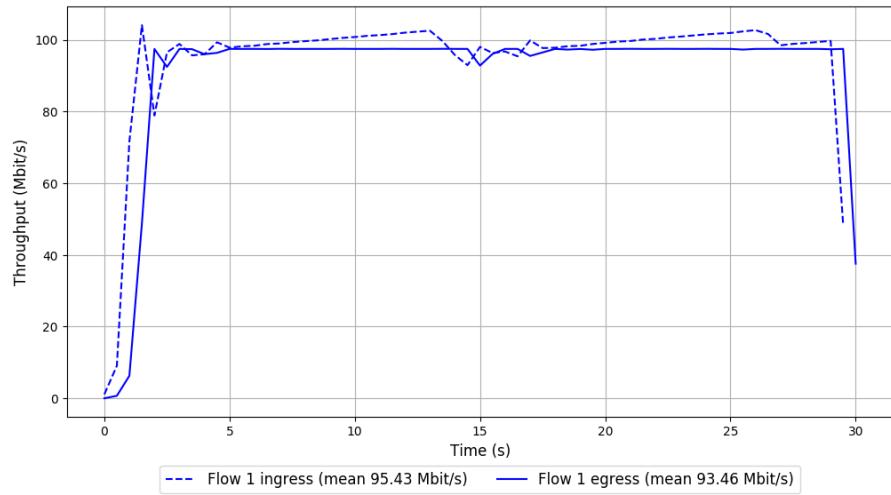


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-11-24 13:59:57
End at: 2019-11-24 14:00:27
Local clock offset: -1.689 ms
Remote clock offset: -8.567 ms

# Below is generated by plot.py at 2019-11-24 14:11:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.46 Mbit/s
95th percentile per-packet one-way delay: 102.791 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 93.46 Mbit/s
95th percentile per-packet one-way delay: 102.791 ms
Loss rate: 2.52%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

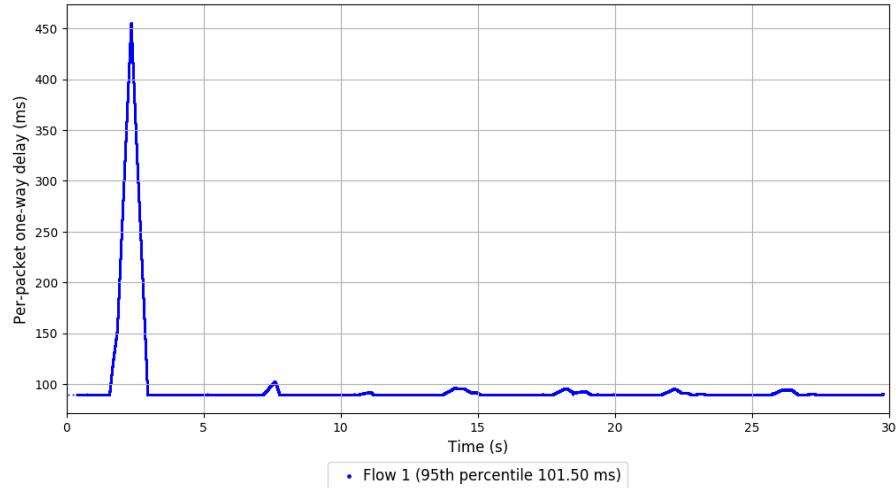
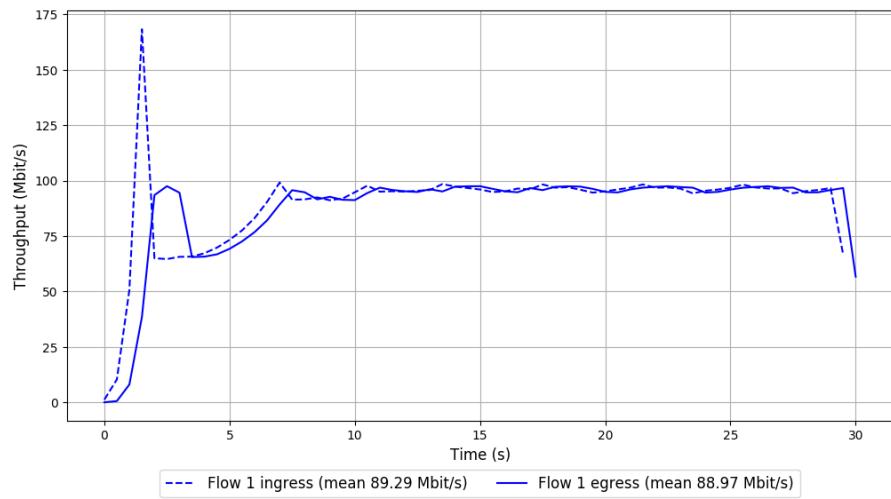


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-11-24 12:02:37
End at: 2019-11-24 12:03:07
Local clock offset: -0.891 ms
Remote clock offset: -9.339 ms

# Below is generated by plot.py at 2019-11-24 14:11:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.97 Mbit/s
95th percentile per-packet one-way delay: 101.505 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 88.97 Mbit/s
95th percentile per-packet one-way delay: 101.505 ms
Loss rate: 0.82%
```

Run 1: Report of PCC-Allegro — Data Link

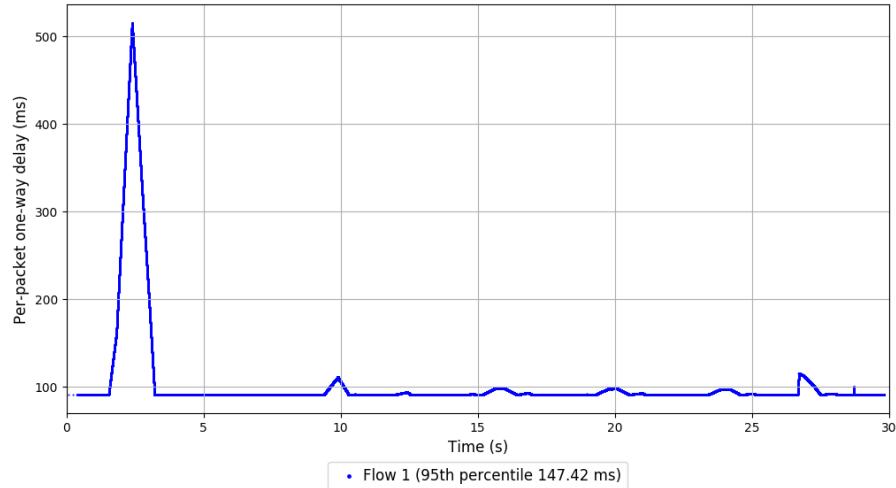
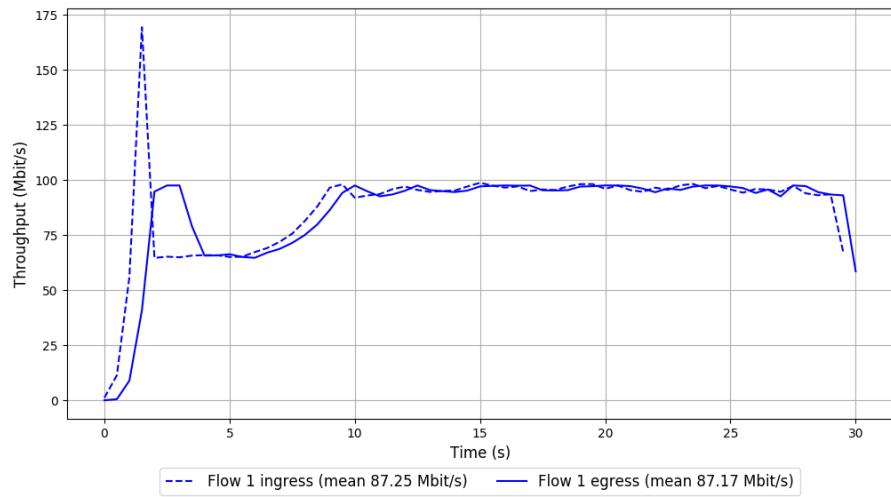


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-11-24 12:30:45
End at: 2019-11-24 12:31:15
Local clock offset: -1.863 ms
Remote clock offset: -8.767 ms

# Below is generated by plot.py at 2019-11-24 14:11:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.17 Mbit/s
95th percentile per-packet one-way delay: 147.423 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 87.17 Mbit/s
95th percentile per-packet one-way delay: 147.423 ms
Loss rate: 0.55%
```

Run 2: Report of PCC-Allegro — Data Link

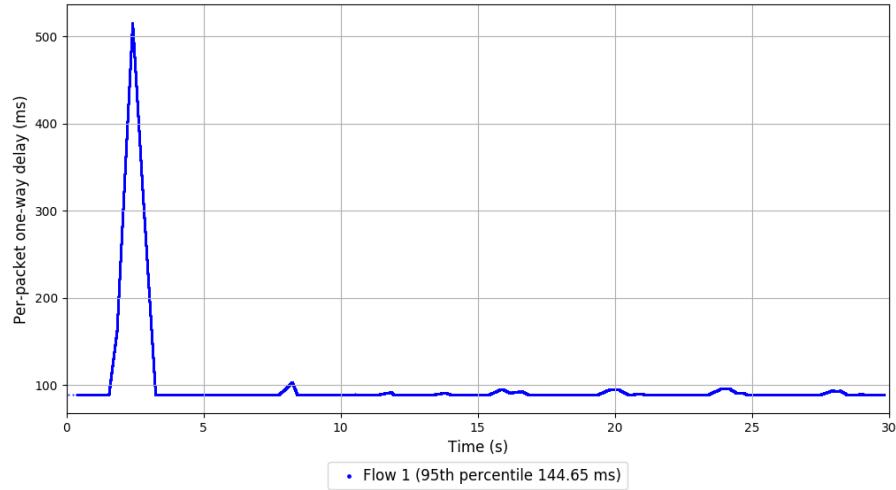
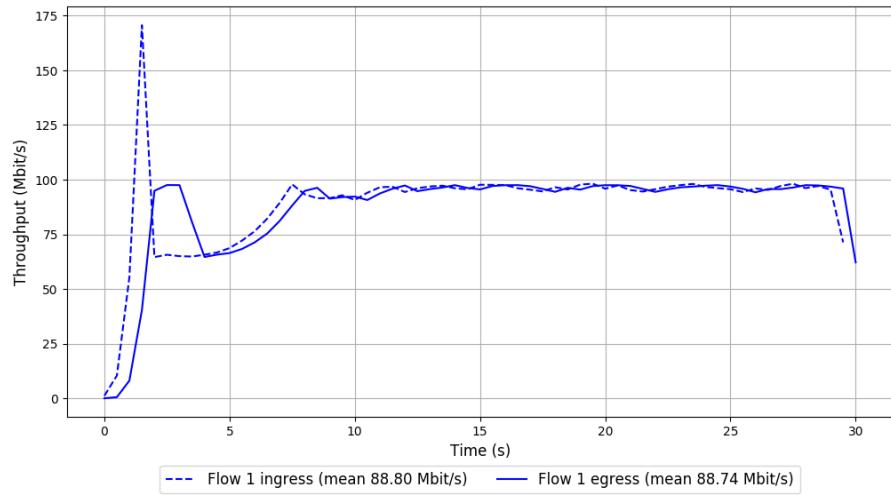


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-11-24 12:58:53
End at: 2019-11-24 12:59:23
Local clock offset: -0.862 ms
Remote clock offset: -8.656 ms

# Below is generated by plot.py at 2019-11-24 14:11:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.74 Mbit/s
95th percentile per-packet one-way delay: 144.646 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 88.74 Mbit/s
95th percentile per-packet one-way delay: 144.646 ms
Loss rate: 0.53%
```

Run 3: Report of PCC-Allegro — Data Link

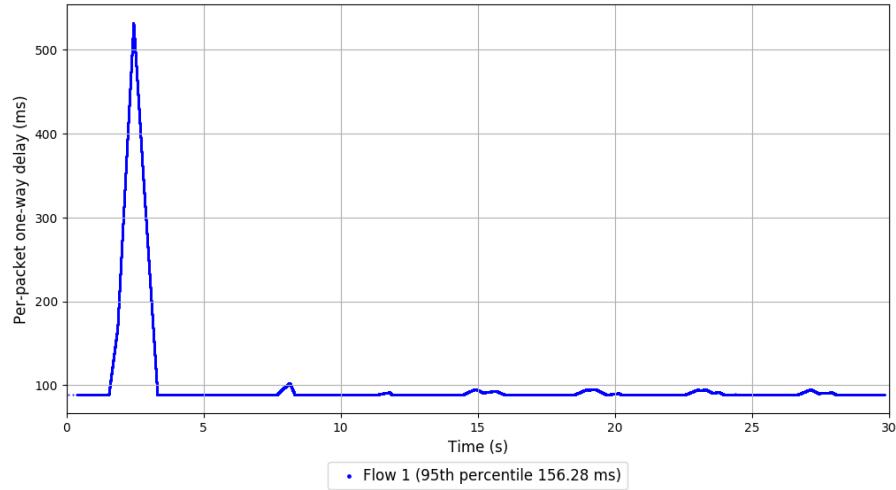
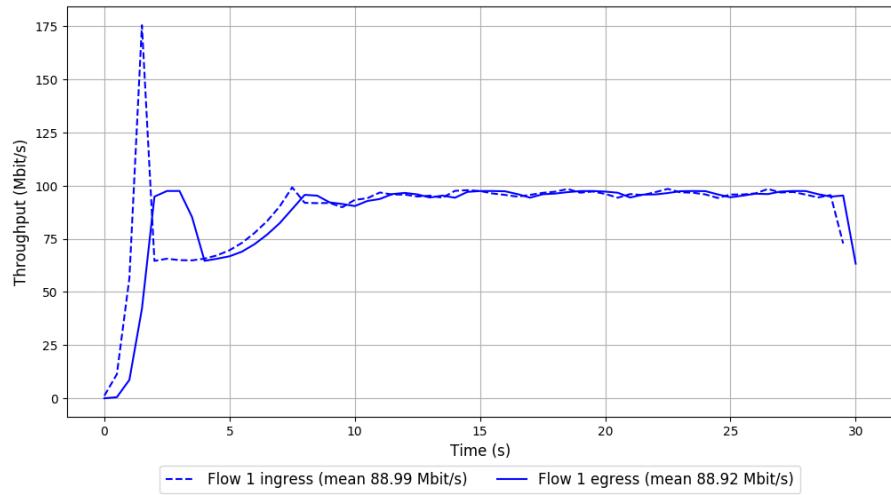


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-11-24 13:27:06
End at: 2019-11-24 13:27:36
Local clock offset: -0.715 ms
Remote clock offset: -8.756 ms

# Below is generated by plot.py at 2019-11-24 14:11:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.92 Mbit/s
95th percentile per-packet one-way delay: 156.283 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 88.92 Mbit/s
95th percentile per-packet one-way delay: 156.283 ms
Loss rate: 0.54%
```

Run 4: Report of PCC-Allegro — Data Link

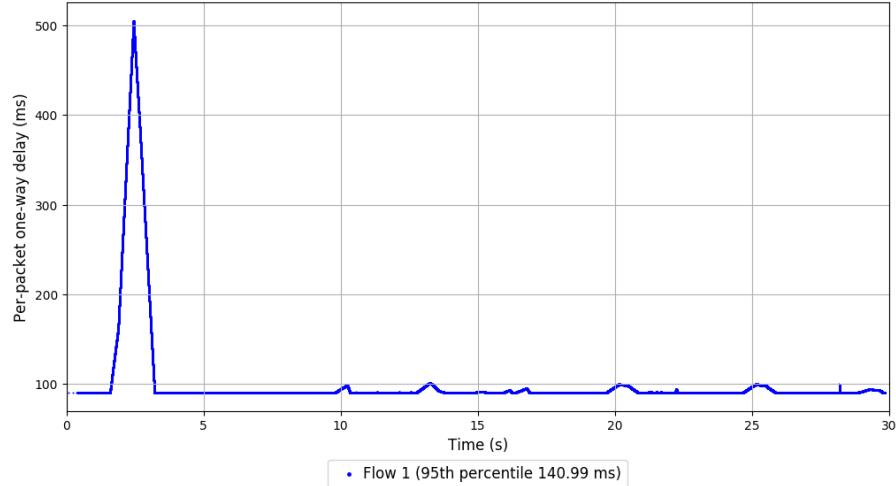
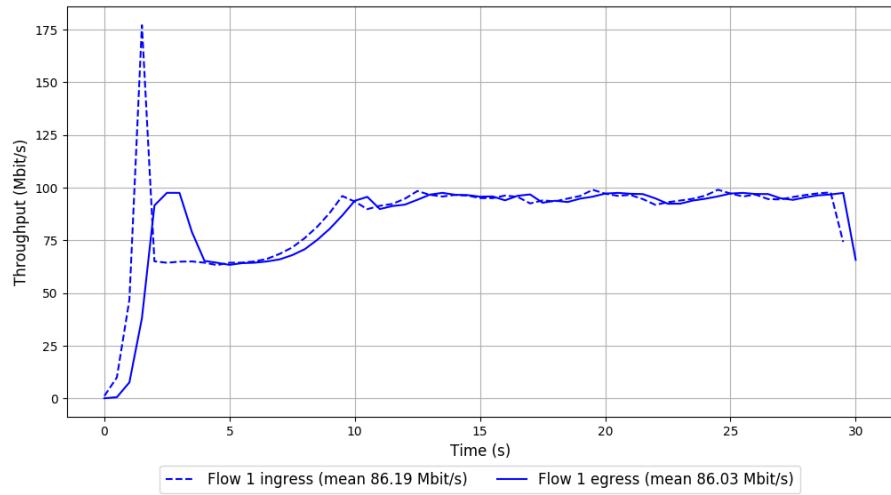


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-11-24 13:55:14
End at: 2019-11-24 13:55:44
Local clock offset: -0.772 ms
Remote clock offset: -9.16 ms

# Below is generated by plot.py at 2019-11-24 14:12:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.03 Mbit/s
95th percentile per-packet one-way delay: 140.994 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 86.03 Mbit/s
95th percentile per-packet one-way delay: 140.994 ms
Loss rate: 0.65%
```

Run 5: Report of PCC-Allegro — Data Link

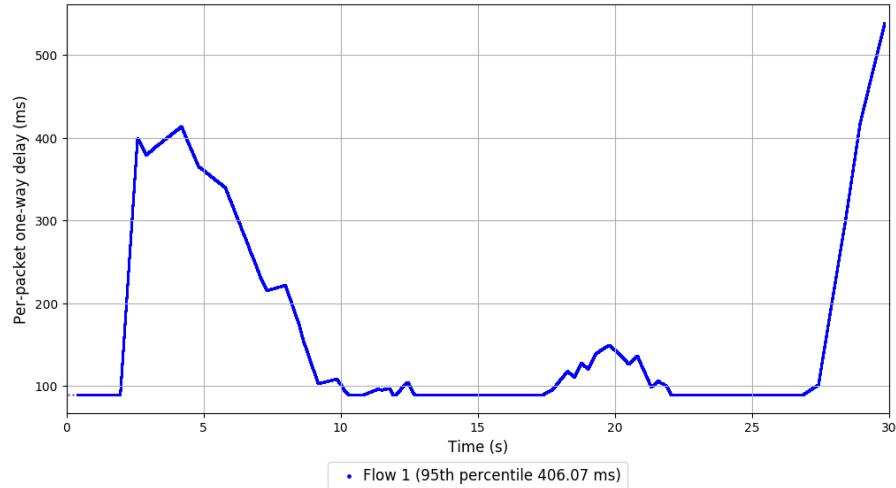
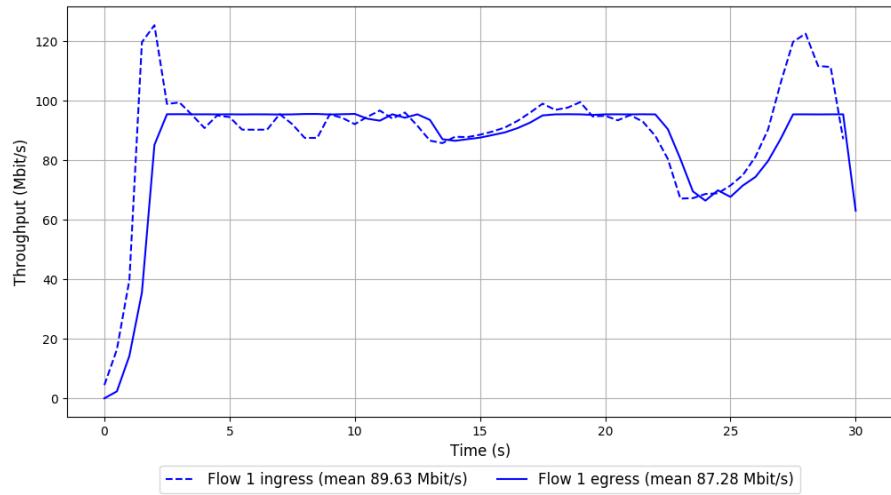


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-11-24 12:03:47
End at: 2019-11-24 12:04:17
Local clock offset: -0.873 ms
Remote clock offset: -9.422 ms

# Below is generated by plot.py at 2019-11-24 14:13:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.28 Mbit/s
95th percentile per-packet one-way delay: 406.074 ms
Loss rate: 3.07%
-- Flow 1:
Average throughput: 87.28 Mbit/s
95th percentile per-packet one-way delay: 406.074 ms
Loss rate: 3.07%
```

Run 1: Report of PCC-Expr — Data Link

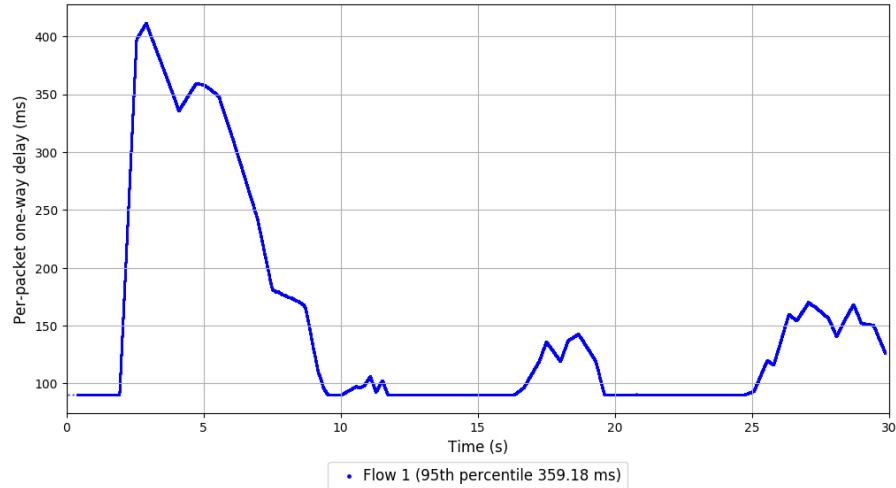
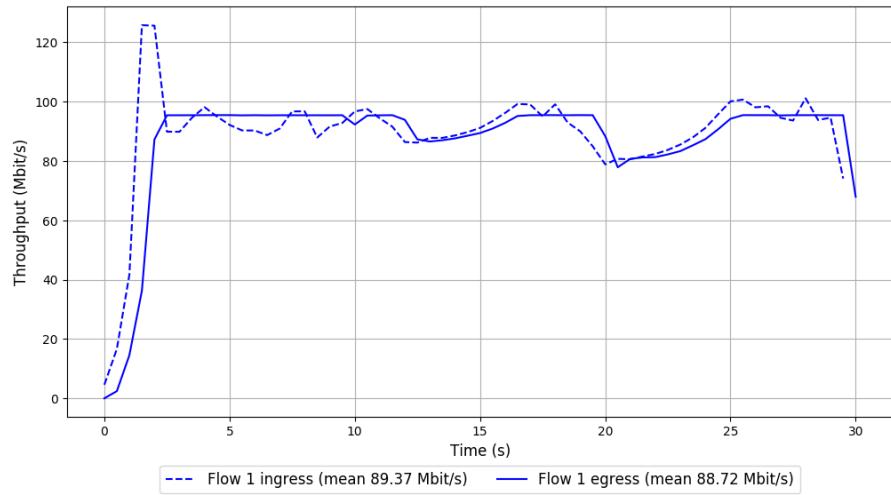


Run 2: Statistics of PCC-Expr

```
Start at: 2019-11-24 12:31:55
End at: 2019-11-24 12:32:25
Local clock offset: -1.047 ms
Remote clock offset: -9.464 ms

# Below is generated by plot.py at 2019-11-24 14:13:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.72 Mbit/s
95th percentile per-packet one-way delay: 359.181 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 88.72 Mbit/s
95th percentile per-packet one-way delay: 359.181 ms
Loss rate: 1.19%
```

Run 2: Report of PCC-Expr — Data Link

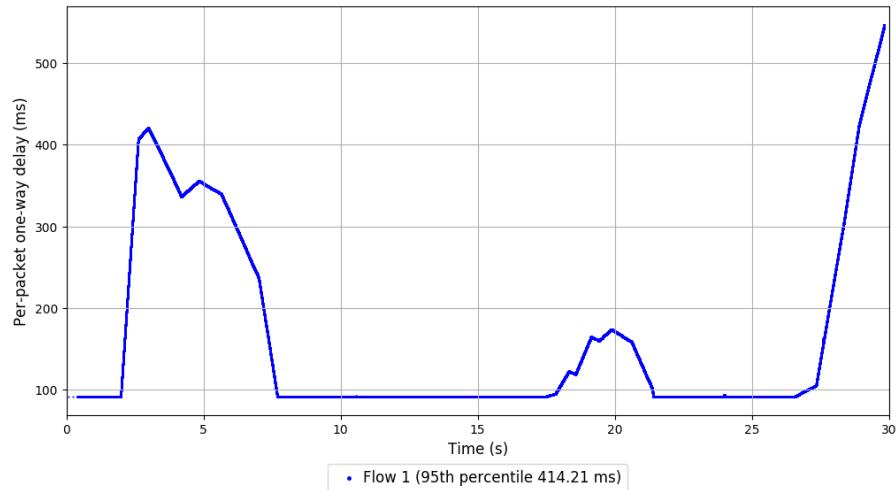
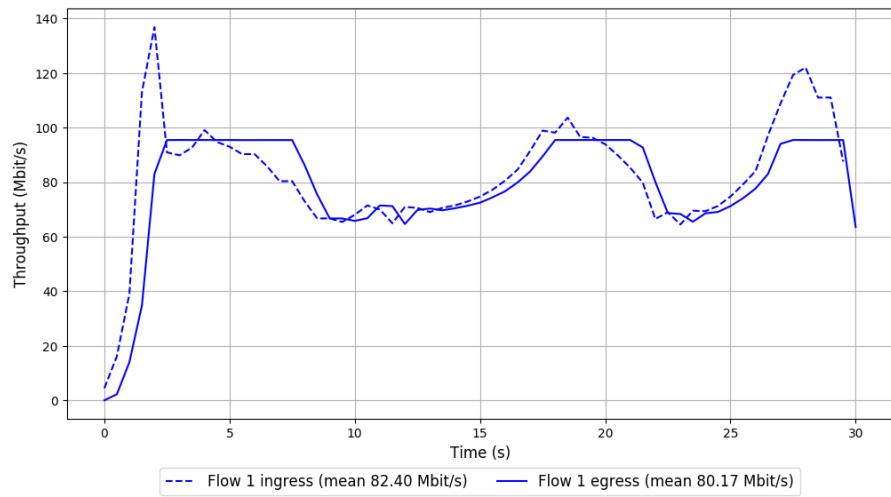


Run 3: Statistics of PCC-Expr

```
Start at: 2019-11-24 13:00:03
End at: 2019-11-24 13:00:33
Local clock offset: -0.119 ms
Remote clock offset: -8.759 ms

# Below is generated by plot.py at 2019-11-24 14:13:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.17 Mbit/s
95th percentile per-packet one-way delay: 414.214 ms
Loss rate: 3.15%
-- Flow 1:
Average throughput: 80.17 Mbit/s
95th percentile per-packet one-way delay: 414.214 ms
Loss rate: 3.15%
```

Run 3: Report of PCC-Expr — Data Link

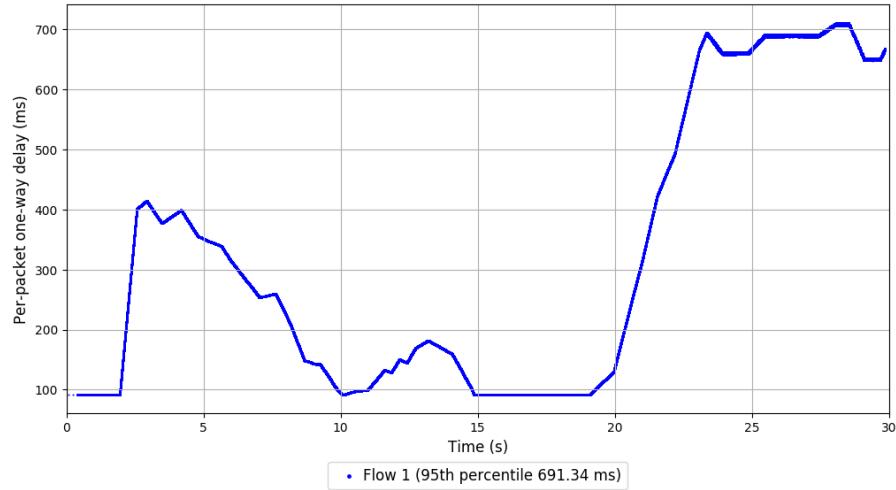
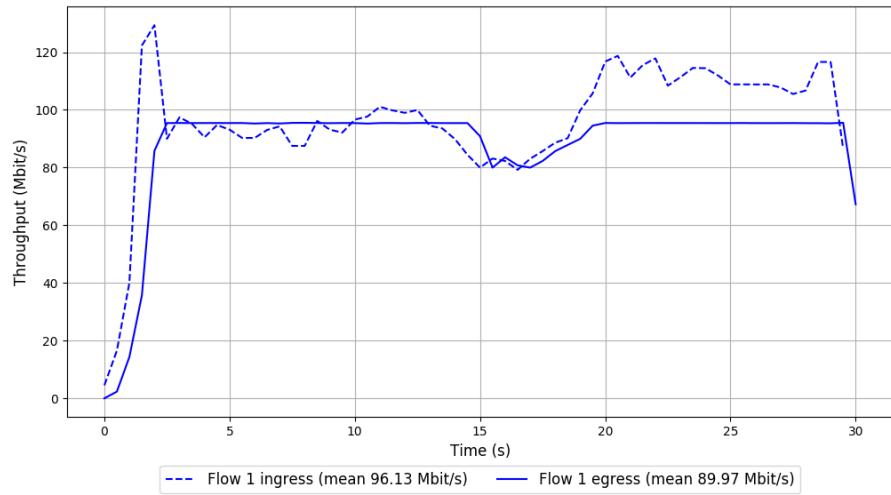


Run 4: Statistics of PCC-Expr

```
Start at: 2019-11-24 13:28:16
End at: 2019-11-24 13:28:46
Local clock offset: 0.032 ms
Remote clock offset: -8.676 ms

# Below is generated by plot.py at 2019-11-24 14:13:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.97 Mbit/s
95th percentile per-packet one-way delay: 691.338 ms
Loss rate: 6.84%
-- Flow 1:
Average throughput: 89.97 Mbit/s
95th percentile per-packet one-way delay: 691.338 ms
Loss rate: 6.84%
```

Run 4: Report of PCC-Expr — Data Link

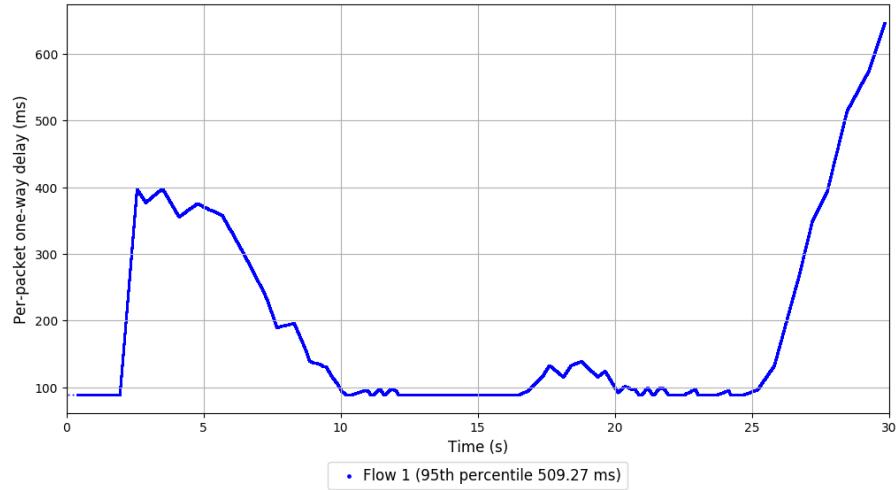
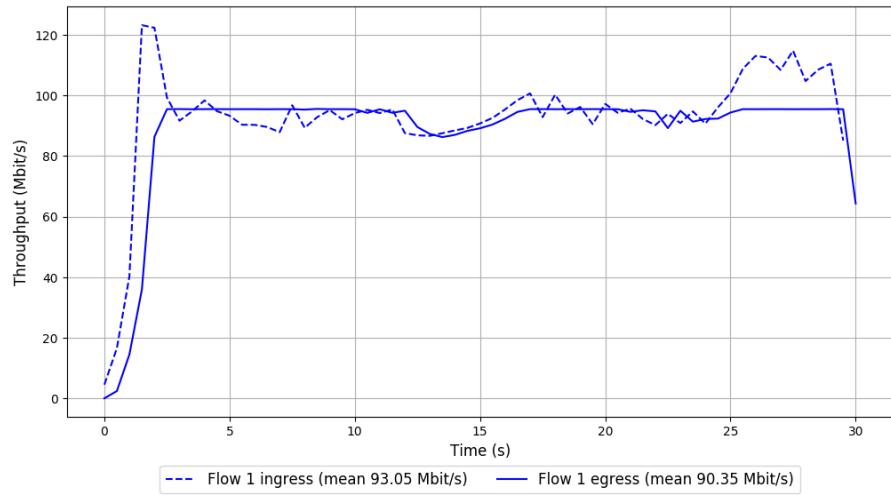


Run 5: Statistics of PCC-Expr

```
Start at: 2019-11-24 13:56:24
End at: 2019-11-24 13:56:54
Local clock offset: -1.549 ms
Remote clock offset: -8.57 ms

# Below is generated by plot.py at 2019-11-24 14:13:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.35 Mbit/s
95th percentile per-packet one-way delay: 509.272 ms
Loss rate: 3.36%
-- Flow 1:
Average throughput: 90.35 Mbit/s
95th percentile per-packet one-way delay: 509.272 ms
Loss rate: 3.36%
```

Run 5: Report of PCC-Expr — Data Link

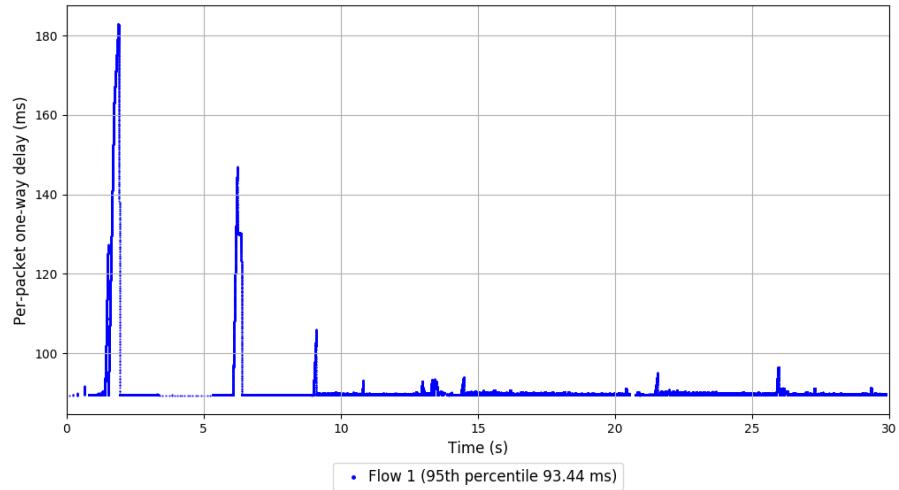
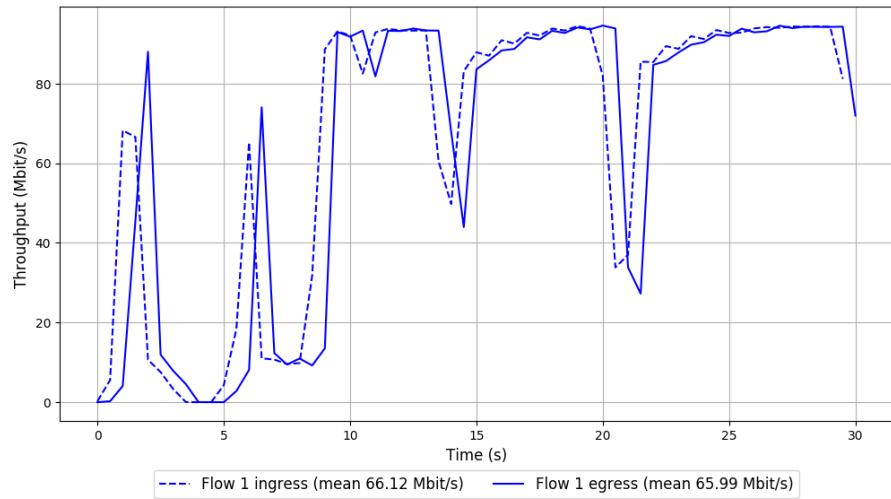


Run 1: Statistics of QUIC Cubic

```
Start at: 2019-11-24 11:56:43
End at: 2019-11-24 11:57:13
Local clock offset: -0.905 ms
Remote clock offset: -9.186 ms

# Below is generated by plot.py at 2019-11-24 14:13:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.99 Mbit/s
95th percentile per-packet one-way delay: 93.437 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 65.99 Mbit/s
95th percentile per-packet one-way delay: 93.437 ms
Loss rate: 0.67%
```

Run 1: Report of QUIC Cubic — Data Link

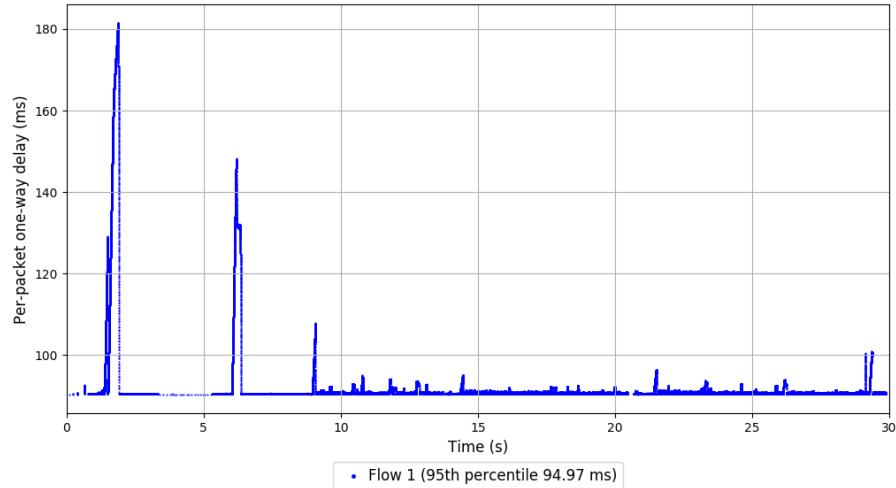
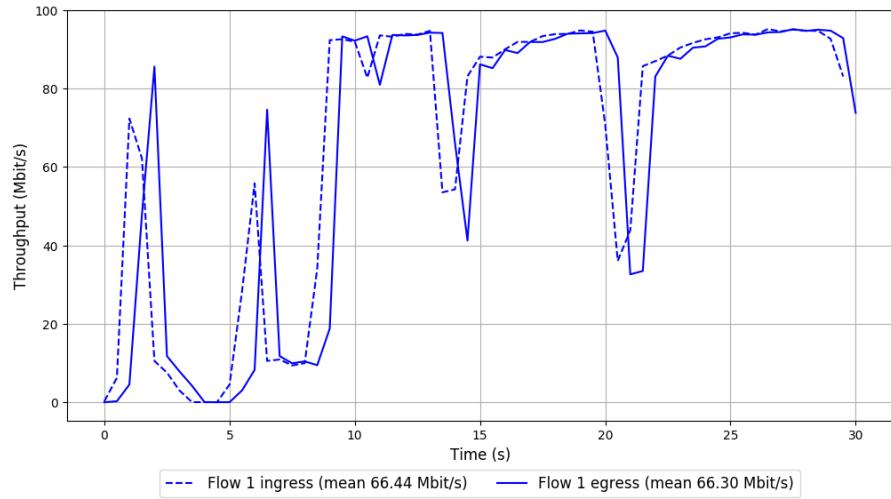


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-11-24 12:24:51
End at: 2019-11-24 12:25:21
Local clock offset: -0.921 ms
Remote clock offset: -9.385 ms

# Below is generated by plot.py at 2019-11-24 14:13:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.30 Mbit/s
95th percentile per-packet one-way delay: 94.969 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 66.30 Mbit/s
95th percentile per-packet one-way delay: 94.969 ms
Loss rate: 0.66%
```

Run 2: Report of QUIC Cubic — Data Link

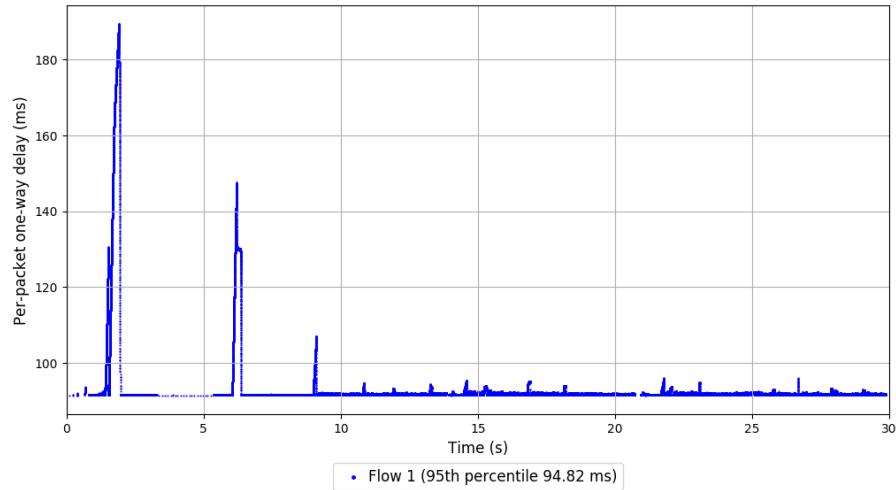
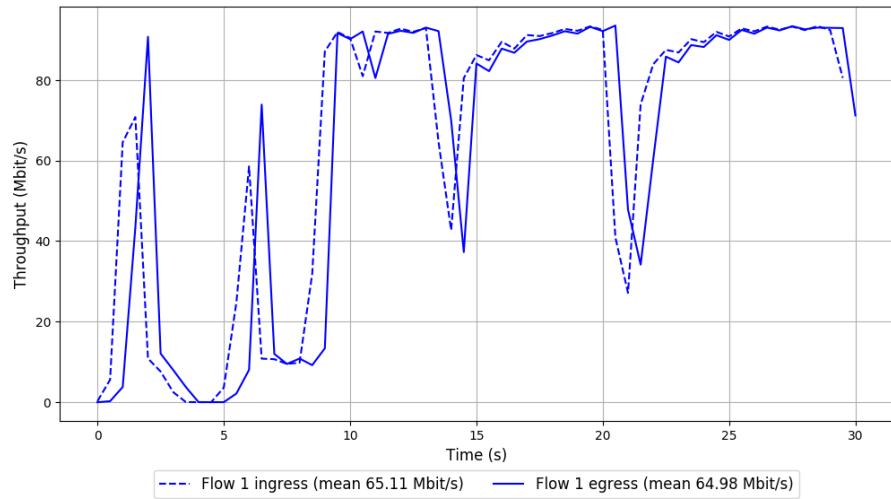


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-11-24 12:52:59
End at: 2019-11-24 12:53:29
Local clock offset: -1.025 ms
Remote clock offset: -9.256 ms

# Below is generated by plot.py at 2019-11-24 14:13:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.98 Mbit/s
95th percentile per-packet one-way delay: 94.822 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 64.98 Mbit/s
95th percentile per-packet one-way delay: 94.822 ms
Loss rate: 0.67%
```

Run 3: Report of QUIC Cubic — Data Link

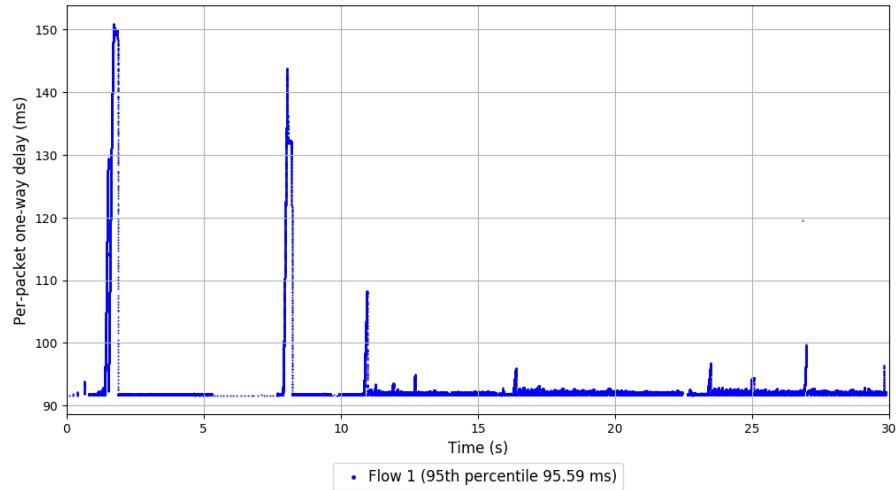
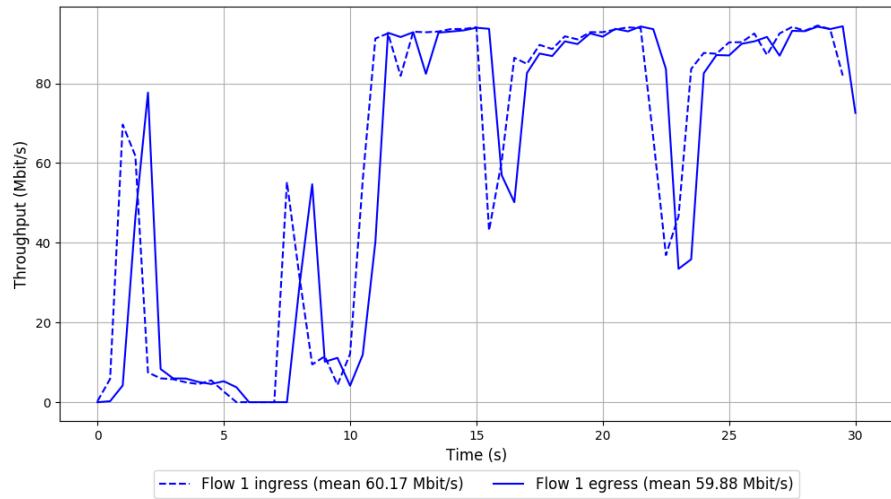


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-11-24 13:21:12
End at: 2019-11-24 13:21:42
Local clock offset: 0.016 ms
Remote clock offset: -8.815 ms

# Below is generated by plot.py at 2019-11-24 14:13:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.88 Mbit/s
95th percentile per-packet one-way delay: 95.593 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 59.88 Mbit/s
95th percentile per-packet one-way delay: 95.593 ms
Loss rate: 0.93%
```

Run 4: Report of QUIC Cubic — Data Link

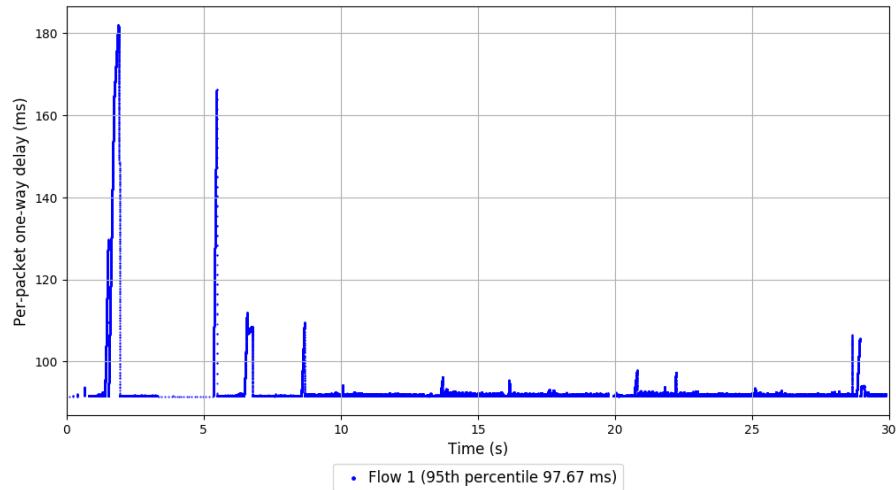
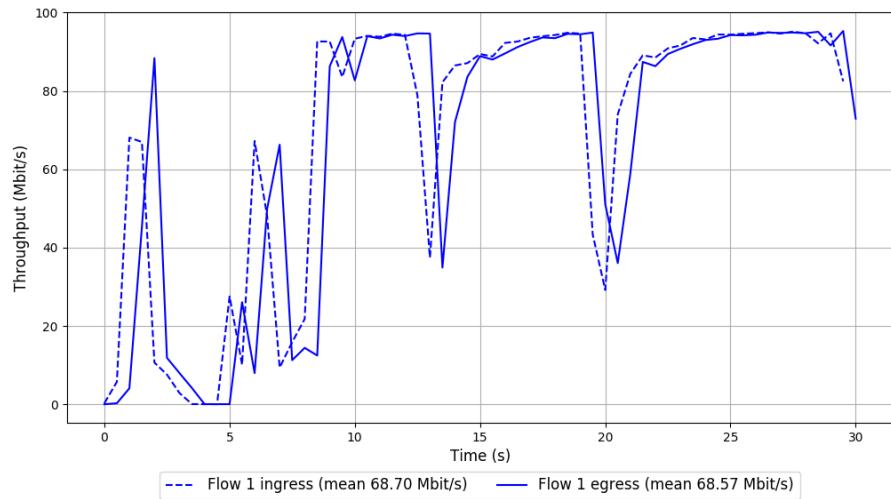


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-11-24 13:49:20
End at: 2019-11-24 13:49:50
Local clock offset: -1.333 ms
Remote clock offset: -9.184 ms

# Below is generated by plot.py at 2019-11-24 14:13:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.57 Mbit/s
95th percentile per-packet one-way delay: 97.673 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 68.57 Mbit/s
95th percentile per-packet one-way delay: 97.673 ms
Loss rate: 0.66%
```

Run 5: Report of QUIC Cubic — Data Link

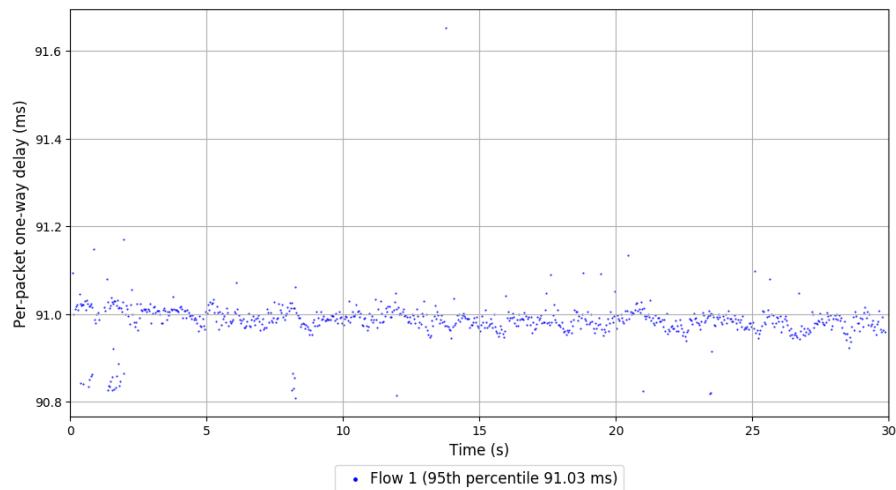
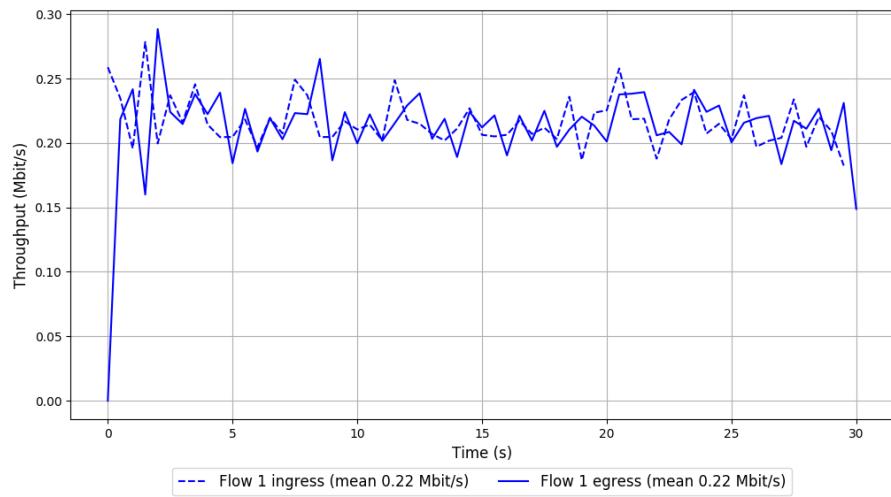


Run 1: Statistics of SCReAM

```
Start at: 2019-11-24 11:53:17
End at: 2019-11-24 11:53:47
Local clock offset: -0.879 ms
Remote clock offset: -8.404 ms

# Below is generated by plot.py at 2019-11-24 14:13:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.027 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.027 ms
Loss rate: 0.51%
```

Run 1: Report of SCReAM — Data Link

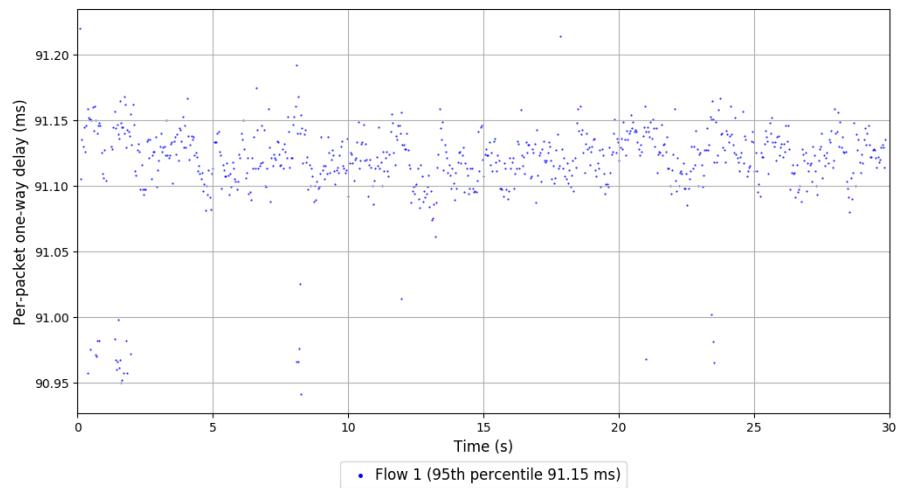
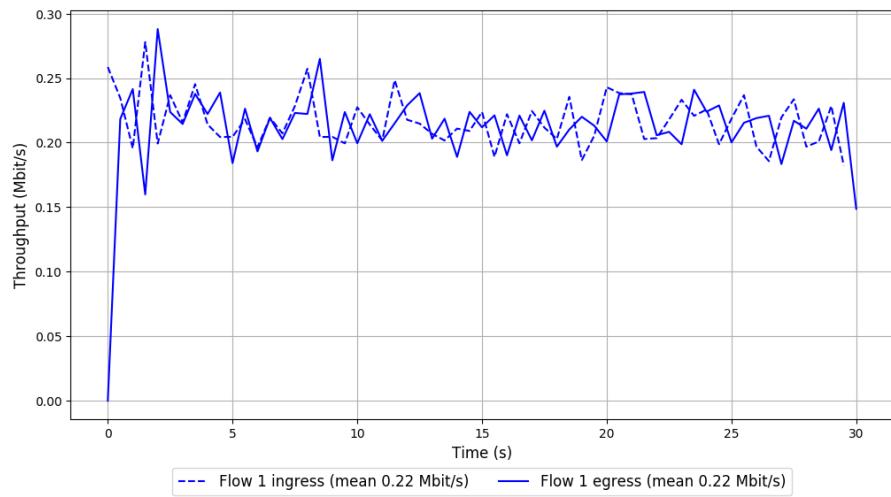


Run 2: Statistics of SCReAM

```
Start at: 2019-11-24 12:21:26
End at: 2019-11-24 12:21:56
Local clock offset: -1.565 ms
Remote clock offset: -8.721 ms

# Below is generated by plot.py at 2019-11-24 14:13:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.152 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.152 ms
Loss rate: 0.51%
```

Run 2: Report of SCReAM — Data Link

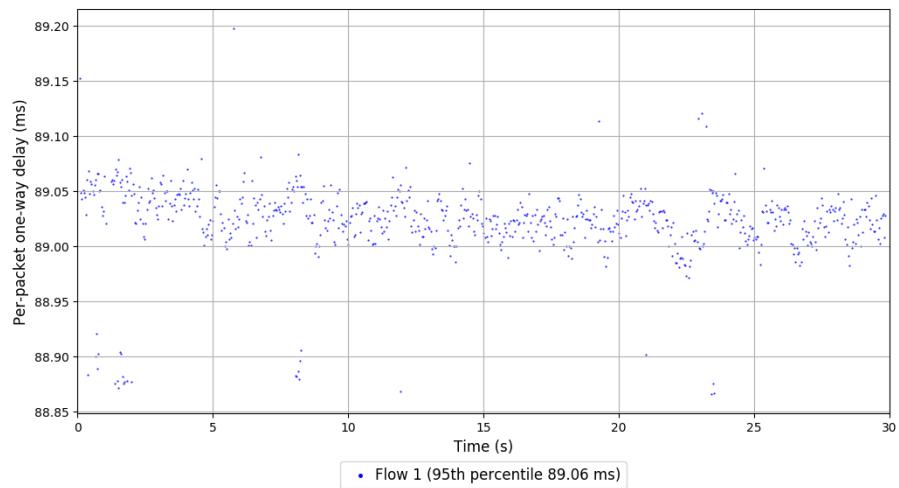
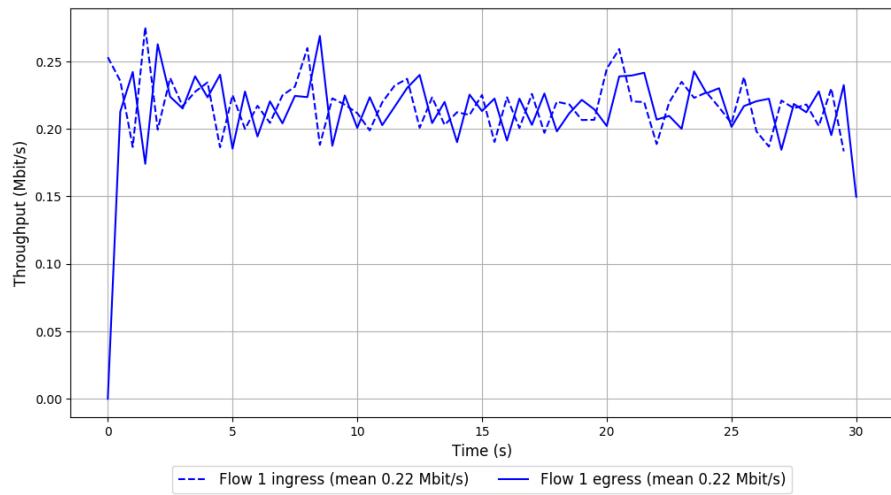


Run 3: Statistics of SCReAM

```
Start at: 2019-11-24 12:49:33
End at: 2019-11-24 12:50:03
Local clock offset: -1.152 ms
Remote clock offset: -8.805 ms

# Below is generated by plot.py at 2019-11-24 14:13:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.060 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 89.060 ms
Loss rate: 0.51%
```

Run 3: Report of SCReAM — Data Link

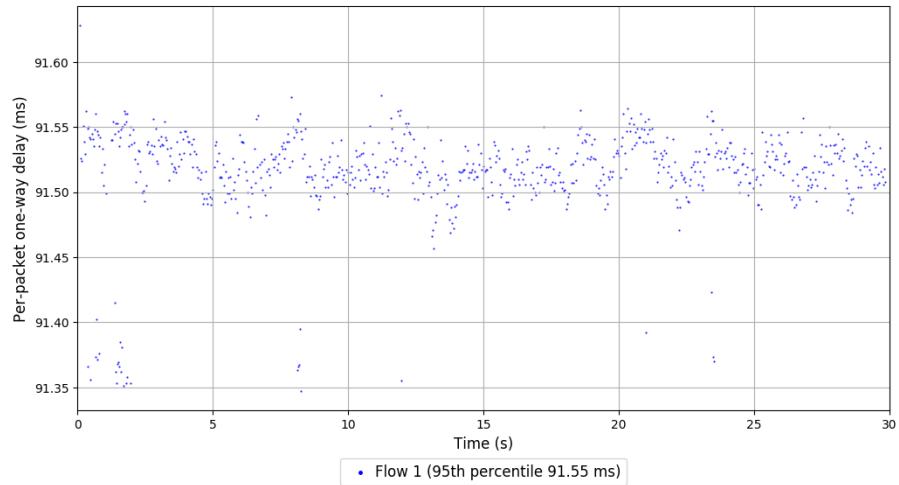
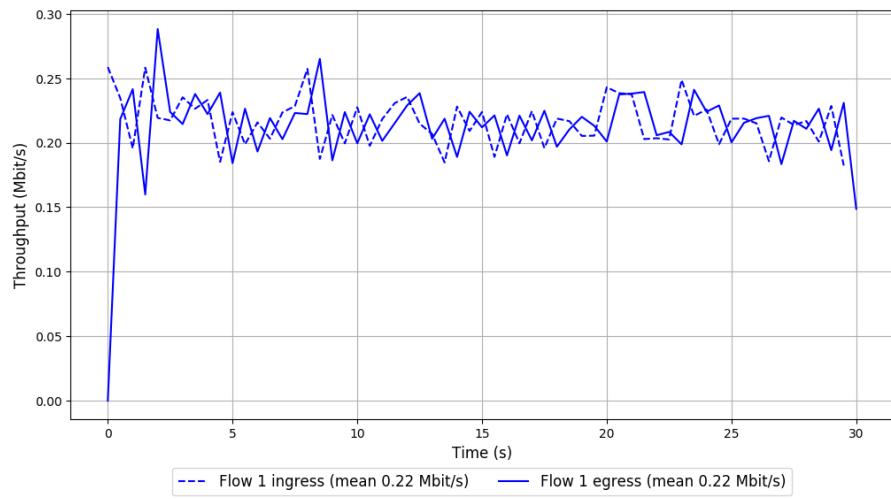


Run 4: Statistics of SCReAM

```
Start at: 2019-11-24 13:17:41
End at: 2019-11-24 13:18:11
Local clock offset: -0.699 ms
Remote clock offset: -9.266 ms

# Below is generated by plot.py at 2019-11-24 14:13:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.552 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.552 ms
Loss rate: 0.51%
```

Run 4: Report of SCReAM — Data Link

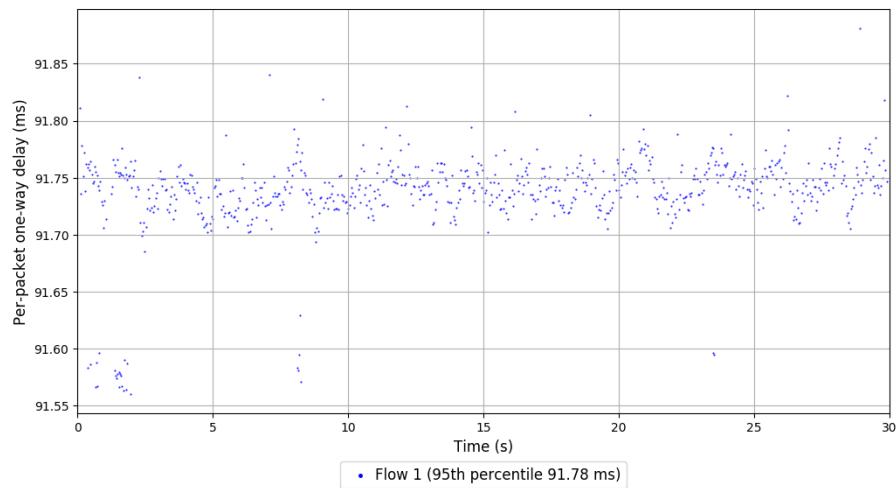
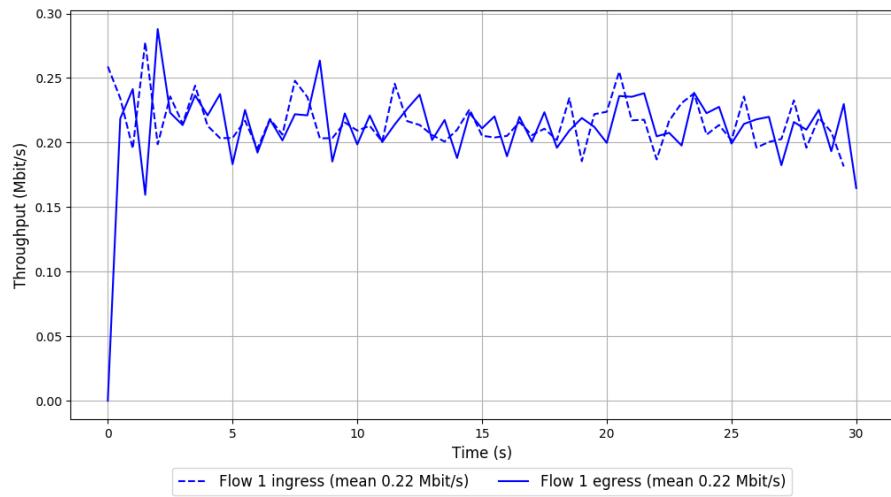


Run 5: Statistics of SCReAM

```
Start at: 2019-11-24 13:45:55
End at: 2019-11-24 13:46:25
Local clock offset: -0.4 ms
Remote clock offset: -8.59 ms

# Below is generated by plot.py at 2019-11-24 14:13:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.776 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 91.776 ms
Loss rate: 0.38%
```

Run 5: Report of SCReAM — Data Link

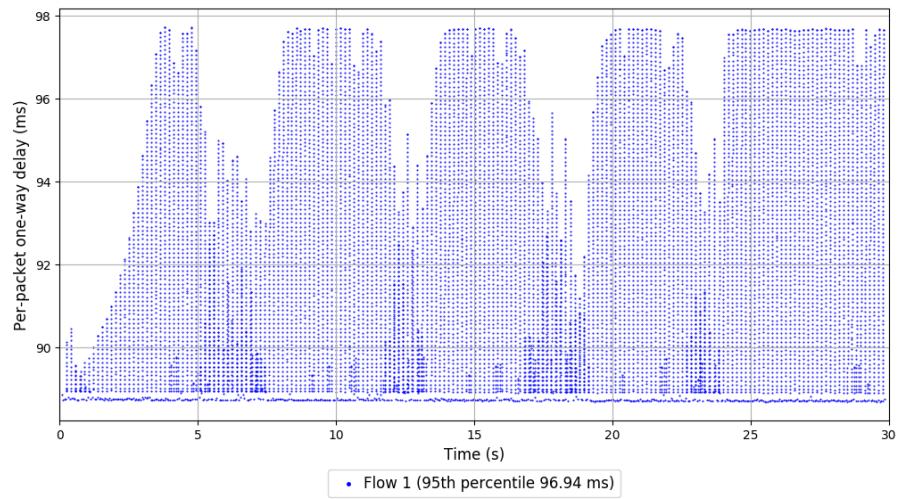
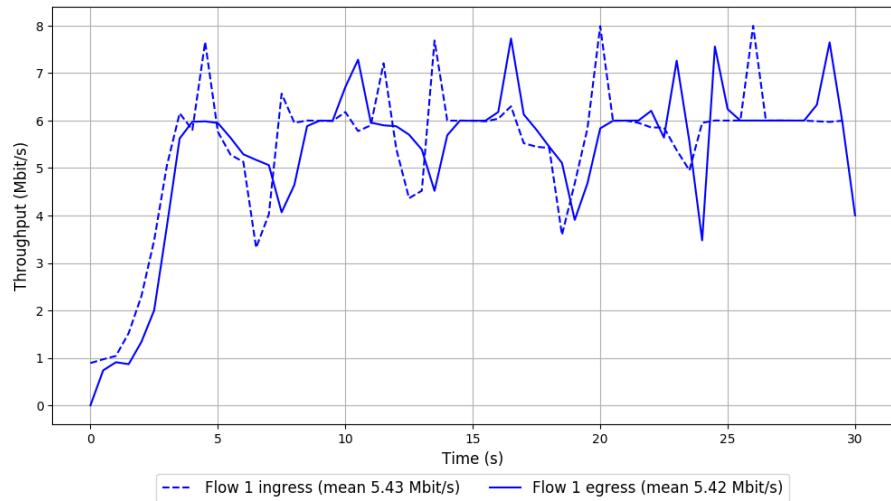


Run 1: Statistics of Sprout

```
Start at: 2019-11-24 11:48:37
End at: 2019-11-24 11:49:07
Local clock offset: -0.869 ms
Remote clock offset: -8.064 ms

# Below is generated by plot.py at 2019-11-24 14:13:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.42 Mbit/s
95th percentile per-packet one-way delay: 96.942 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 5.42 Mbit/s
95th percentile per-packet one-way delay: 96.942 ms
Loss rate: 0.62%
```

Run 1: Report of Sprout — Data Link

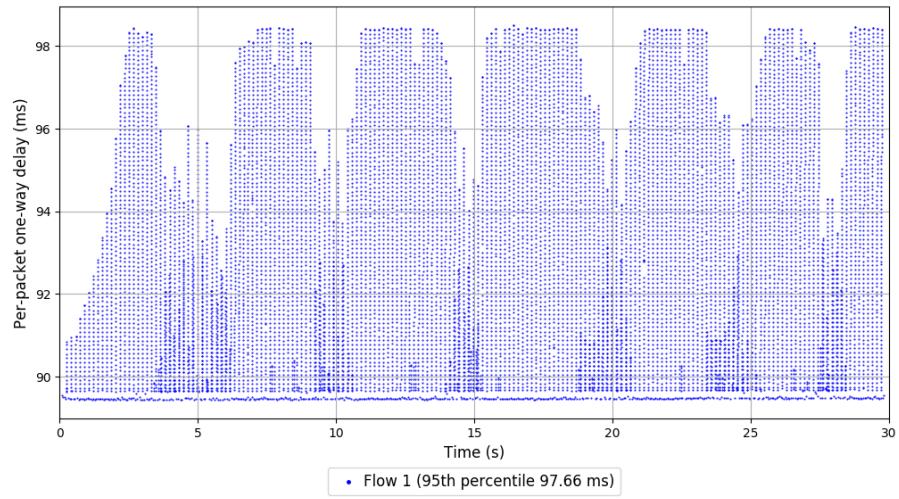
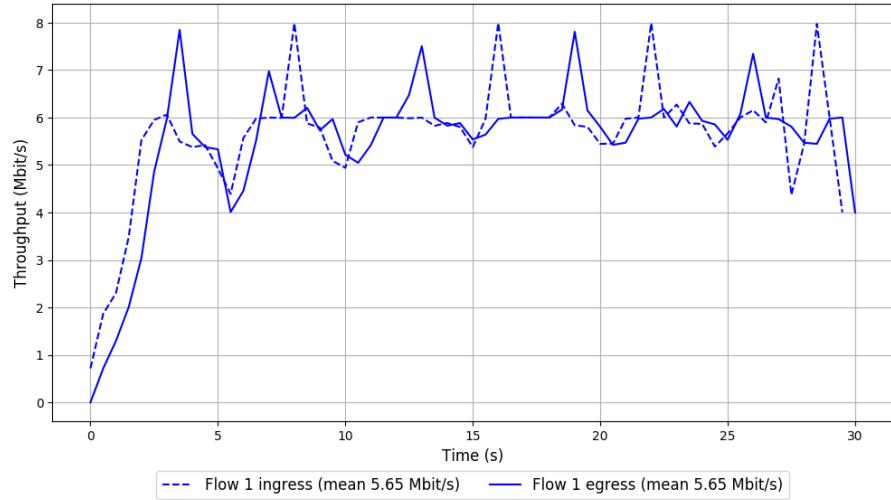


Run 2: Statistics of Sprout

```
Start at: 2019-11-24 12:16:45
End at: 2019-11-24 12:17:15
Local clock offset: -1.386 ms
Remote clock offset: -9.291 ms

# Below is generated by plot.py at 2019-11-24 14:13:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.65 Mbit/s
95th percentile per-packet one-way delay: 97.661 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 5.65 Mbit/s
95th percentile per-packet one-way delay: 97.661 ms
Loss rate: 0.59%
```

Run 2: Report of Sprout — Data Link

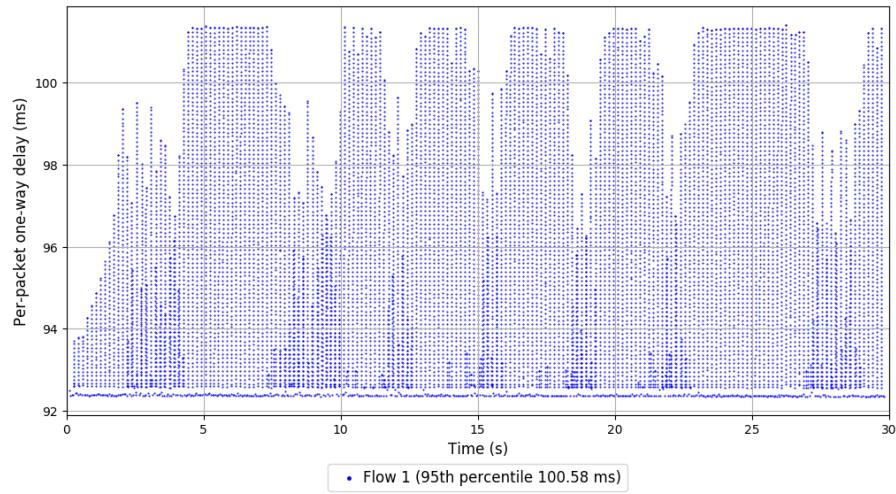
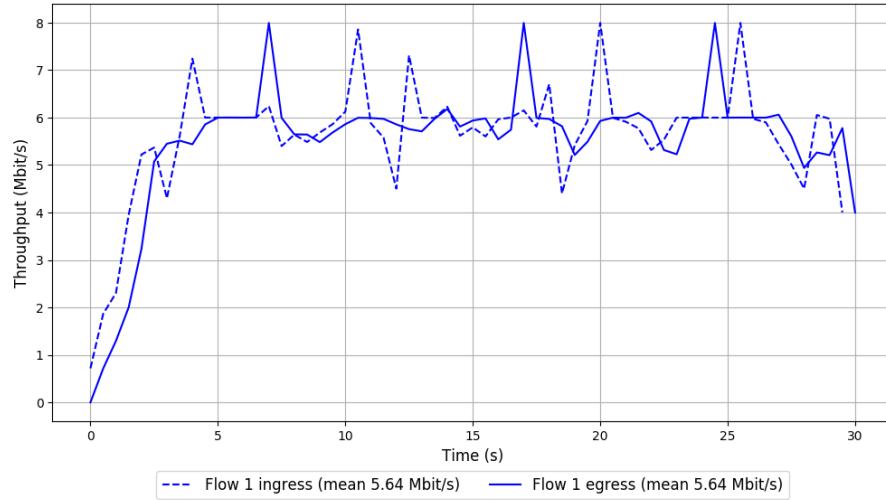


Run 3: Statistics of Sprout

```
Start at: 2019-11-24 12:44:53
End at: 2019-11-24 12:45:23
Local clock offset: -0.641 ms
Remote clock offset: -9.468 ms

# Below is generated by plot.py at 2019-11-24 14:13:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.64 Mbit/s
95th percentile per-packet one-way delay: 100.575 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 5.64 Mbit/s
95th percentile per-packet one-way delay: 100.575 ms
Loss rate: 0.59%
```

Run 3: Report of Sprout — Data Link

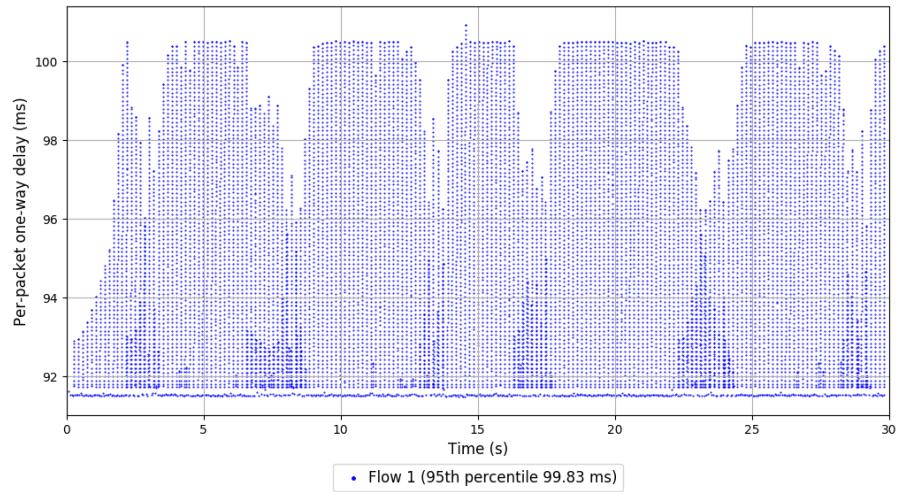
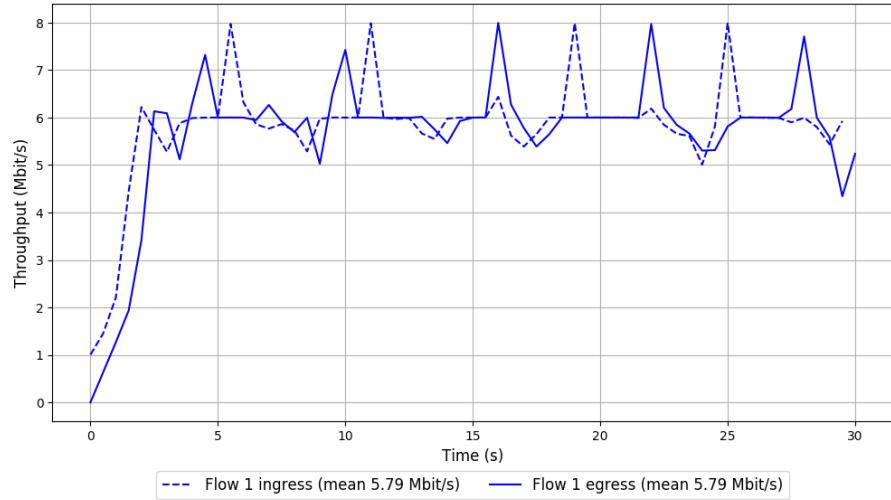


Run 4: Statistics of Sprout

```
Start at: 2019-11-24 13:13:01
End at: 2019-11-24 13:13:31
Local clock offset: 0.022 ms
Remote clock offset: -8.676 ms

# Below is generated by plot.py at 2019-11-24 14:13:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.79 Mbit/s
95th percentile per-packet one-way delay: 99.833 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 5.79 Mbit/s
95th percentile per-packet one-way delay: 99.833 ms
Loss rate: 0.58%
```

Run 4: Report of Sprout — Data Link

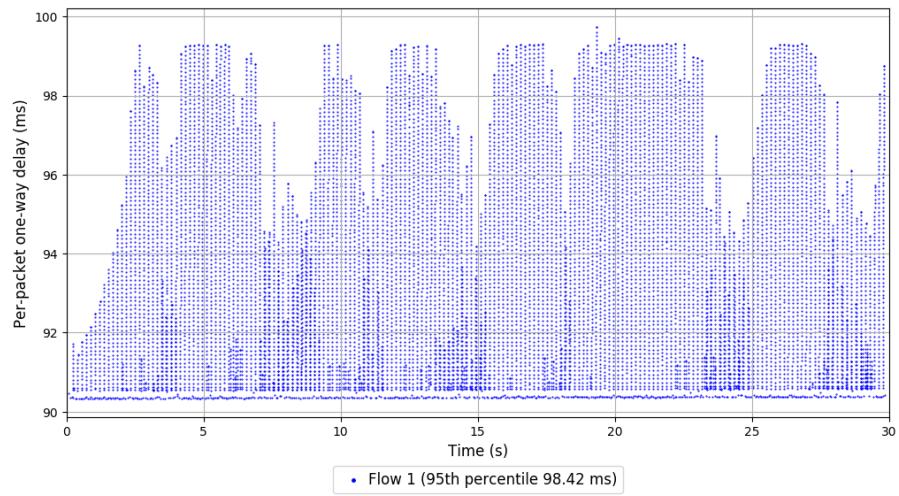
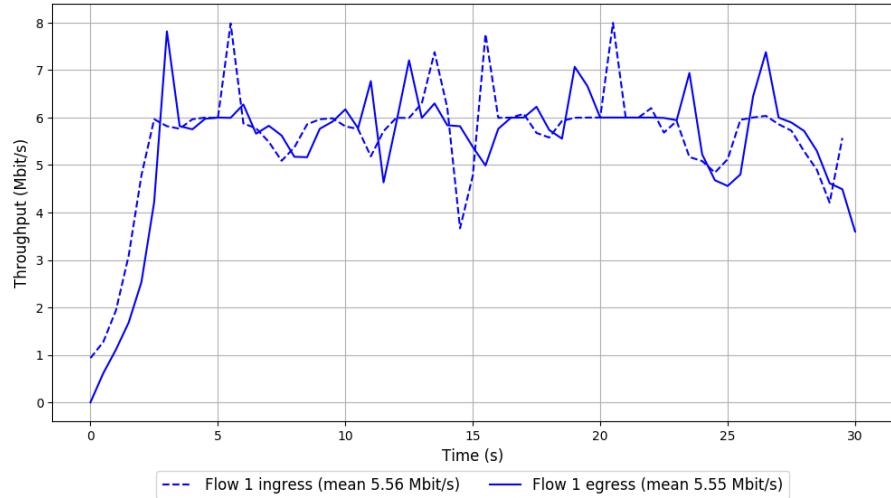


Run 5: Statistics of Sprout

```
Start at: 2019-11-24 13:41:14
End at: 2019-11-24 13:41:44
Local clock offset: -0.008 ms
Remote clock offset: -9.299 ms

# Below is generated by plot.py at 2019-11-24 14:13:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.55 Mbit/s
95th percentile per-packet one-way delay: 98.416 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 5.55 Mbit/s
95th percentile per-packet one-way delay: 98.416 ms
Loss rate: 0.59%
```

Run 5: Report of Sprout — Data Link

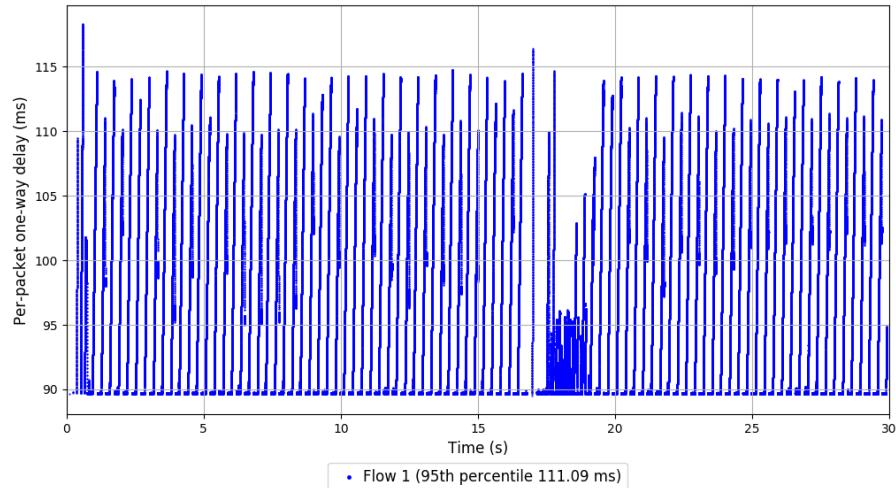
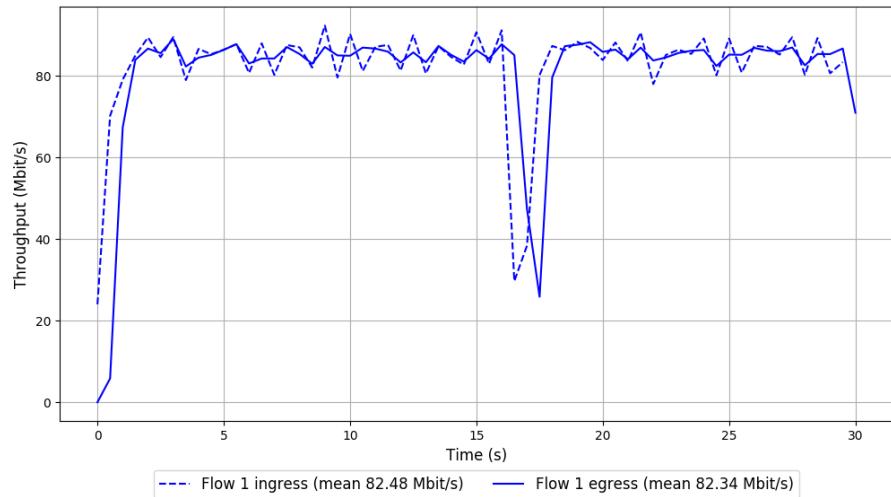


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-11-24 11:57:53
End at: 2019-11-24 11:58:23
Local clock offset: -0.885 ms
Remote clock offset: -9.291 ms

# Below is generated by plot.py at 2019-11-24 14:14:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.34 Mbit/s
95th percentile per-packet one-way delay: 111.093 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 82.34 Mbit/s
95th percentile per-packet one-way delay: 111.093 ms
Loss rate: 0.54%
```

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

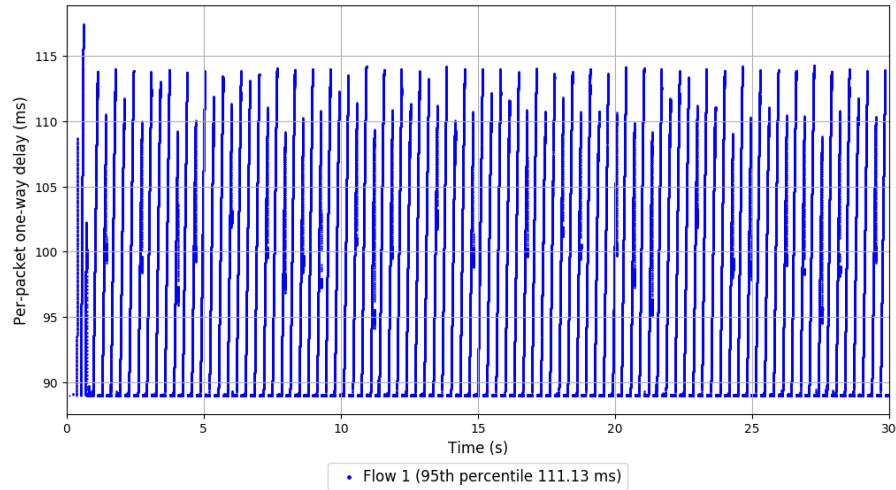
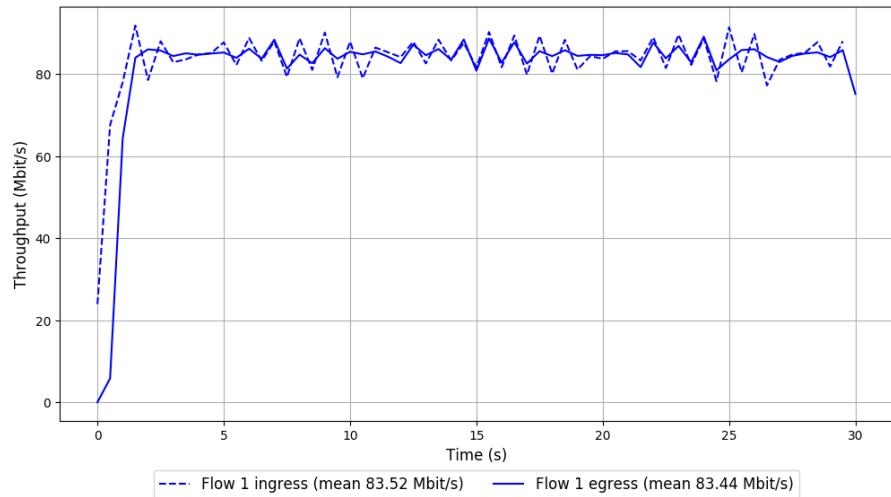


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-11-24 12:26:02
End at: 2019-11-24 12:26:32
Local clock offset: -1.697 ms
Remote clock offset: -8.792 ms

# Below is generated by plot.py at 2019-11-24 14:14:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.44 Mbit/s
95th percentile per-packet one-way delay: 111.134 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 83.44 Mbit/s
95th percentile per-packet one-way delay: 111.134 ms
Loss rate: 0.55%
```

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

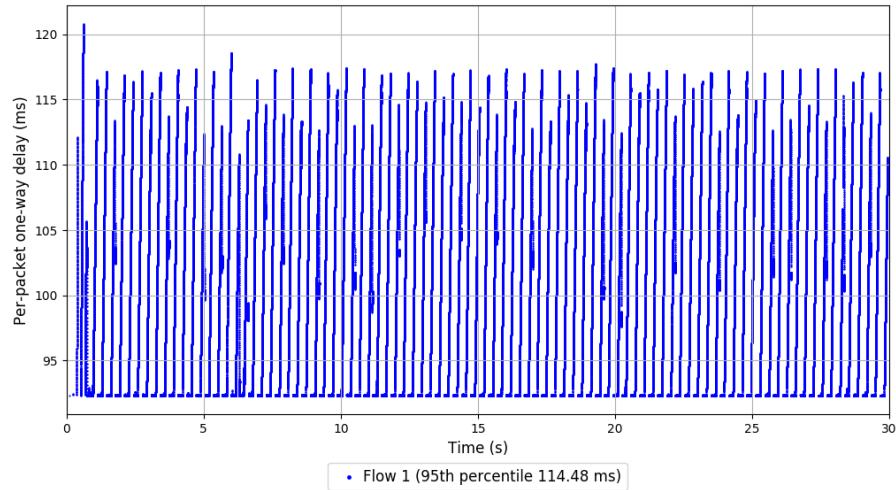
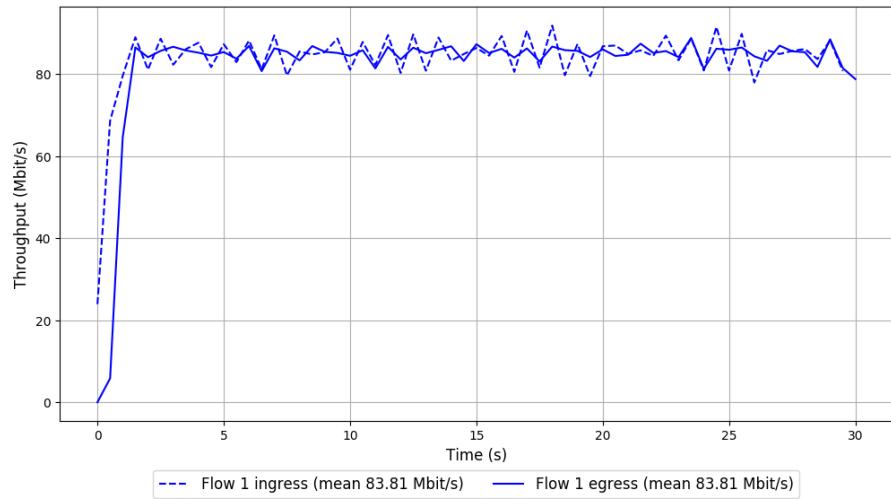


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-11-24 12:54:09
End at: 2019-11-24 12:54:39
Local clock offset: -0.241 ms
Remote clock offset: -9.311 ms

# Below is generated by plot.py at 2019-11-24 14:14:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.81 Mbit/s
95th percentile per-packet one-way delay: 114.476 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 83.81 Mbit/s
95th percentile per-packet one-way delay: 114.476 ms
Loss rate: 0.48%
```

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

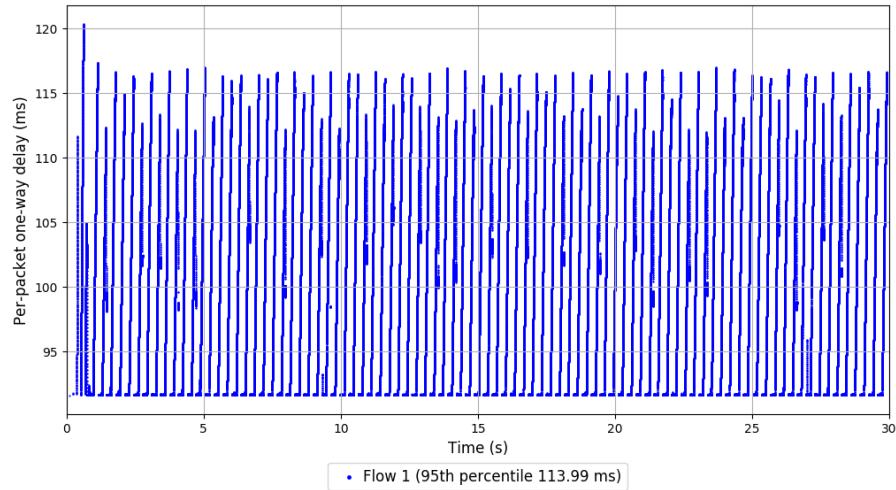
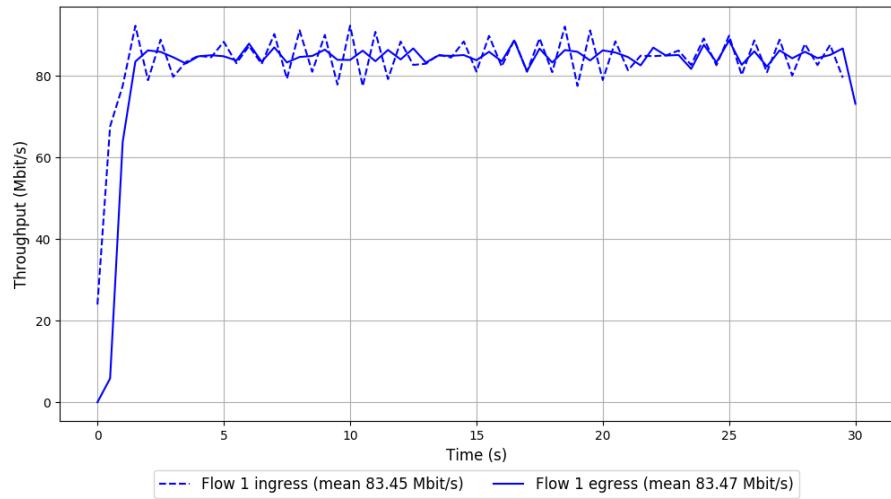


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-11-24 13:22:22
End at: 2019-11-24 13:22:52
Local clock offset: 0.029 ms
Remote clock offset: -8.753 ms

# Below is generated by plot.py at 2019-11-24 14:14:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.47 Mbit/s
95th percentile per-packet one-way delay: 113.987 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 83.47 Mbit/s
95th percentile per-packet one-way delay: 113.987 ms
Loss rate: 0.48%
```

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

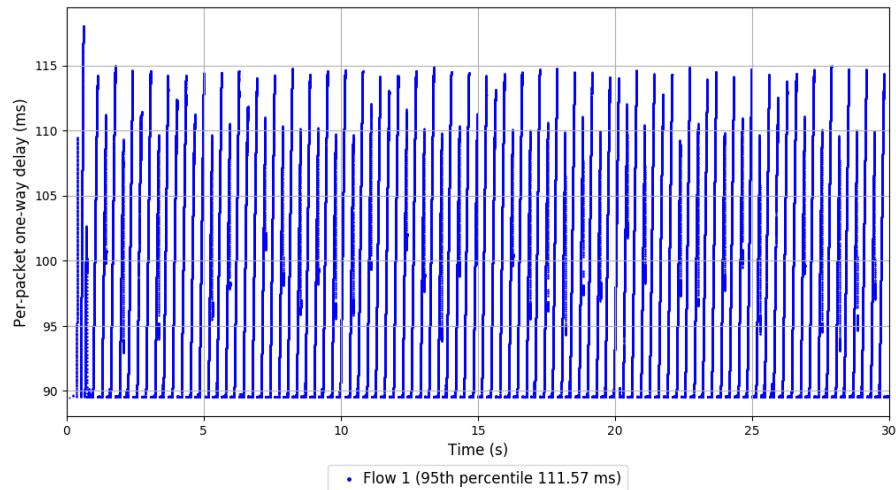
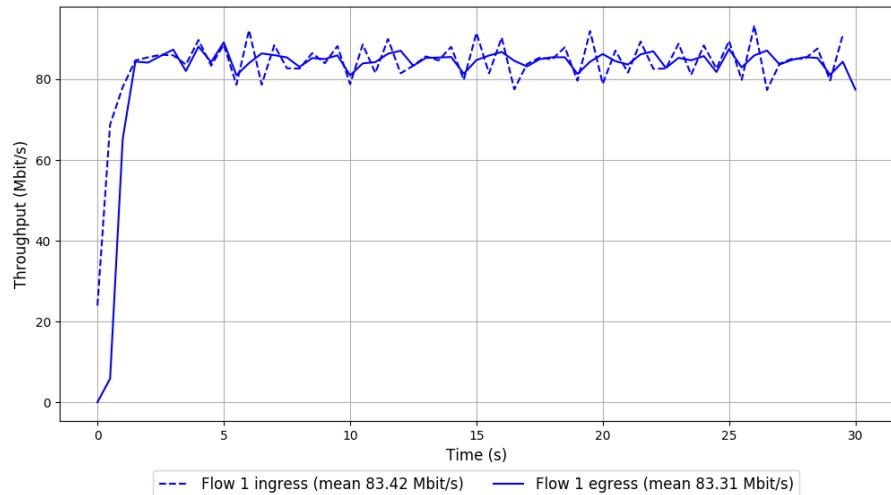


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-11-24 13:50:30
End at: 2019-11-24 13:51:00
Local clock offset: -1.364 ms
Remote clock offset: -9.166 ms

# Below is generated by plot.py at 2019-11-24 14:15:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.31 Mbit/s
95th percentile per-packet one-way delay: 111.569 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 83.31 Mbit/s
95th percentile per-packet one-way delay: 111.569 ms
Loss rate: 0.60%
```

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

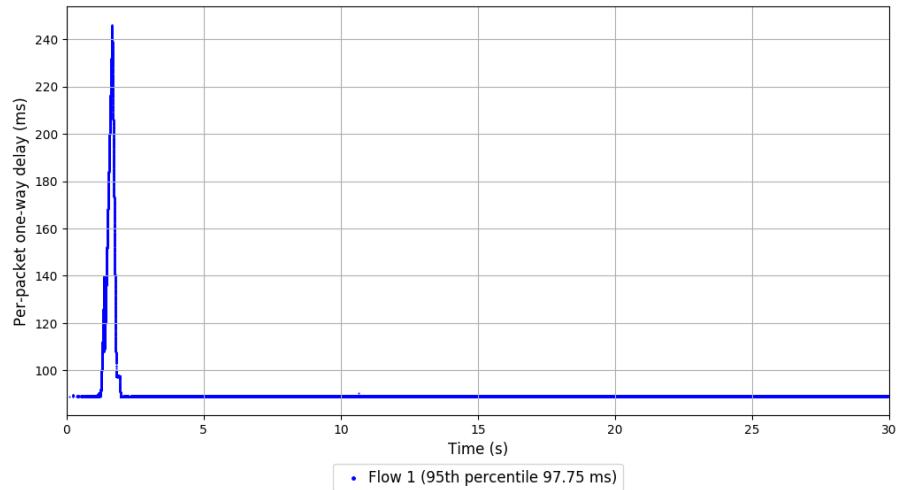
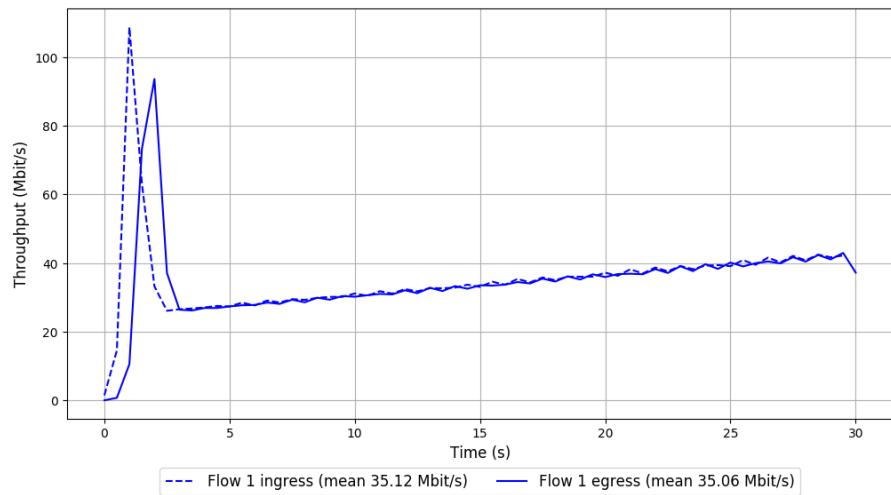


Run 1: Statistics of TCP Vegas

```
Start at: 2019-11-24 11:43:57
End at: 2019-11-24 11:44:27
Local clock offset: -0.839 ms
Remote clock offset: -7.825 ms

# Below is generated by plot.py at 2019-11-24 14:15:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.06 Mbit/s
95th percentile per-packet one-way delay: 97.753 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 35.06 Mbit/s
95th percentile per-packet one-way delay: 97.753 ms
Loss rate: 0.61%
```

Run 1: Report of TCP Vegas — Data Link

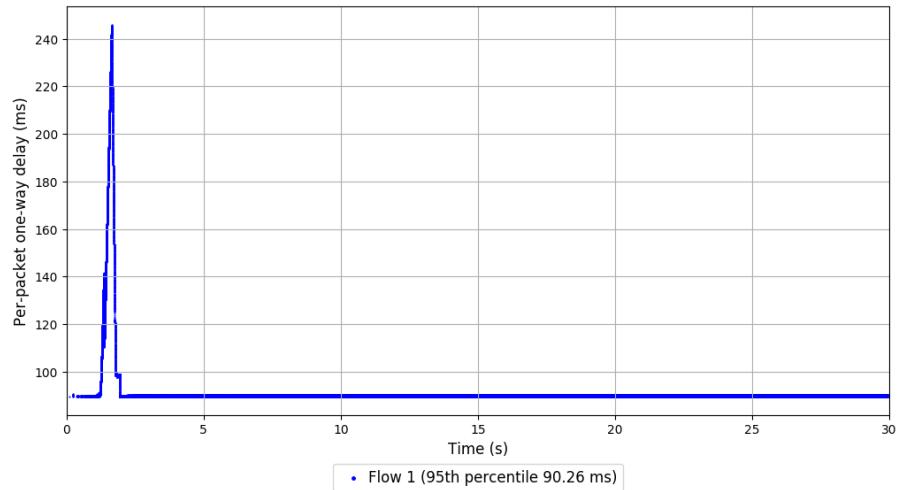
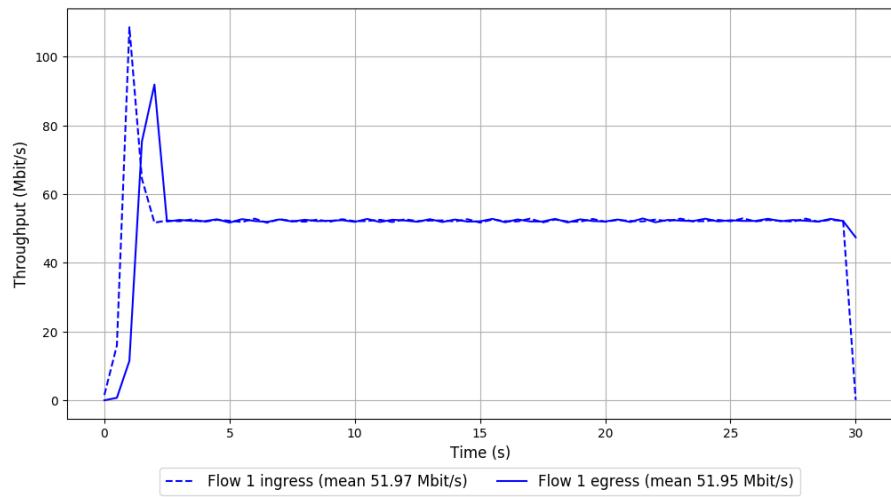


Run 2: Statistics of TCP Vegas

```
Start at: 2019-11-24 12:12:05
End at: 2019-11-24 12:12:35
Local clock offset: -0.342 ms
Remote clock offset: -8.659 ms

# Below is generated by plot.py at 2019-11-24 14:15:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.95 Mbit/s
95th percentile per-packet one-way delay: 90.263 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 51.95 Mbit/s
95th percentile per-packet one-way delay: 90.263 ms
Loss rate: 0.50%
```

Run 2: Report of TCP Vegas — Data Link

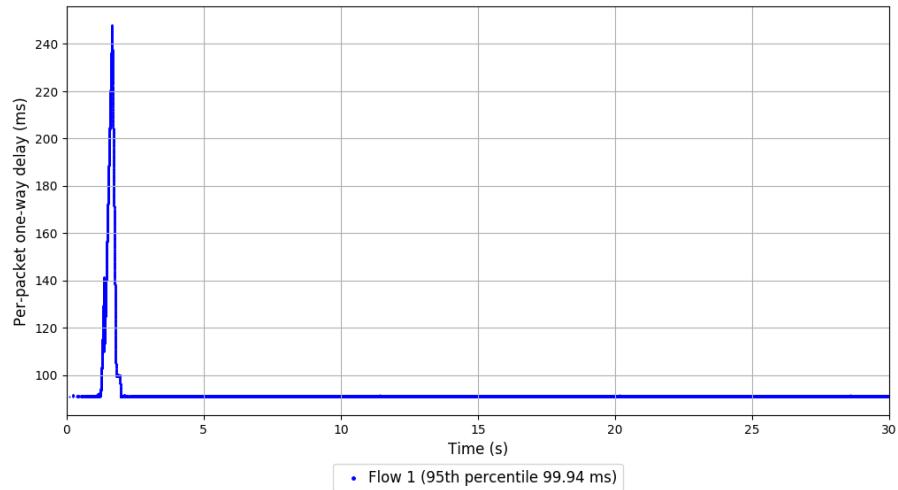
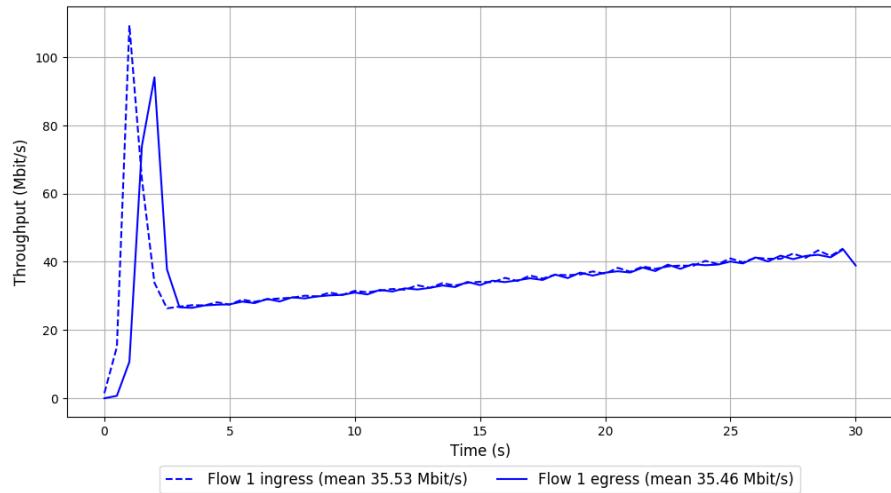


Run 3: Statistics of TCP Vegas

```
Start at: 2019-11-24 12:40:13
End at: 2019-11-24 12:40:43
Local clock offset: -1.826 ms
Remote clock offset: -8.729 ms

# Below is generated by plot.py at 2019-11-24 14:15:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.46 Mbit/s
95th percentile per-packet one-way delay: 99.937 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 35.46 Mbit/s
95th percentile per-packet one-way delay: 99.937 ms
Loss rate: 0.65%
```

Run 3: Report of TCP Vegas — Data Link

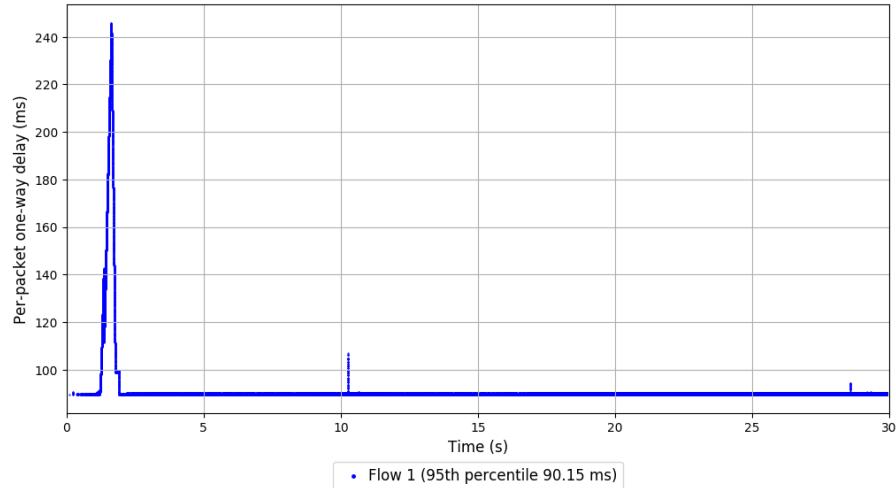
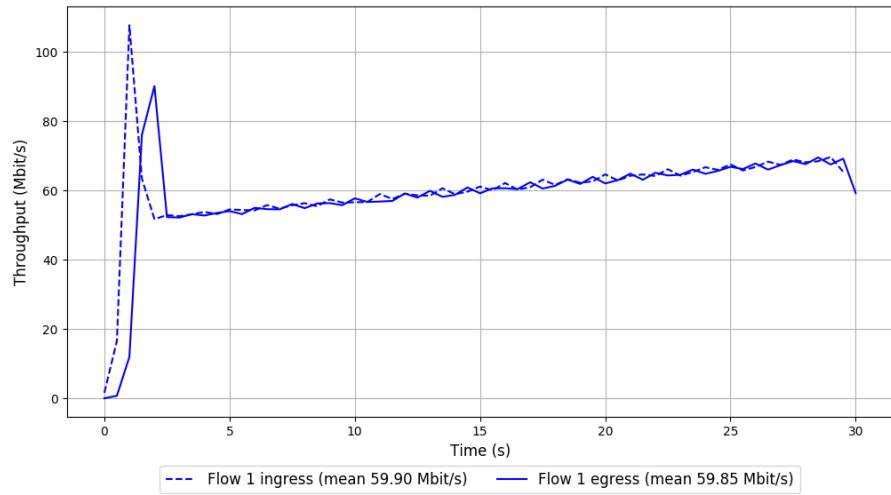


Run 4: Statistics of TCP Vegas

```
Start at: 2019-11-24 13:08:21
End at: 2019-11-24 13:08:51
Local clock offset: -0.756 ms
Remote clock offset: -9.391 ms

# Below is generated by plot.py at 2019-11-24 14:15:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.85 Mbit/s
95th percentile per-packet one-way delay: 90.151 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 59.85 Mbit/s
95th percentile per-packet one-way delay: 90.151 ms
Loss rate: 0.55%
```

Run 4: Report of TCP Vegas — Data Link

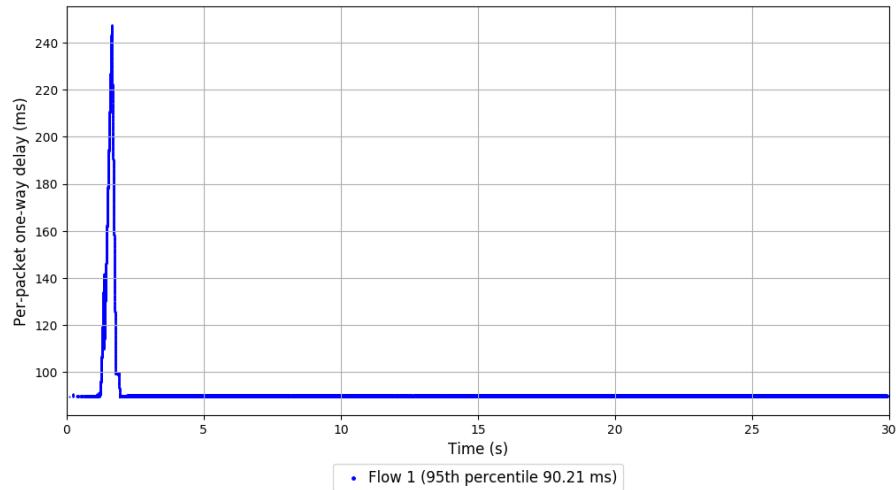
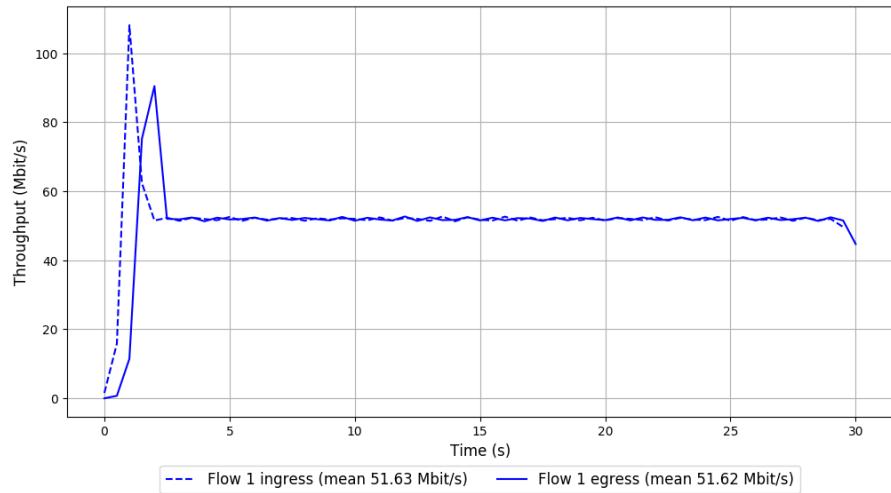


Run 5: Statistics of TCP Vegas

```
Start at: 2019-11-24 13:36:34
End at: 2019-11-24 13:37:04
Local clock offset: 0.142 ms
Remote clock offset: -8.617 ms

# Below is generated by plot.py at 2019-11-24 14:15:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.62 Mbit/s
95th percentile per-packet one-way delay: 90.206 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 51.62 Mbit/s
95th percentile per-packet one-way delay: 90.206 ms
Loss rate: 0.48%
```

Run 5: Report of TCP Vegas — Data Link

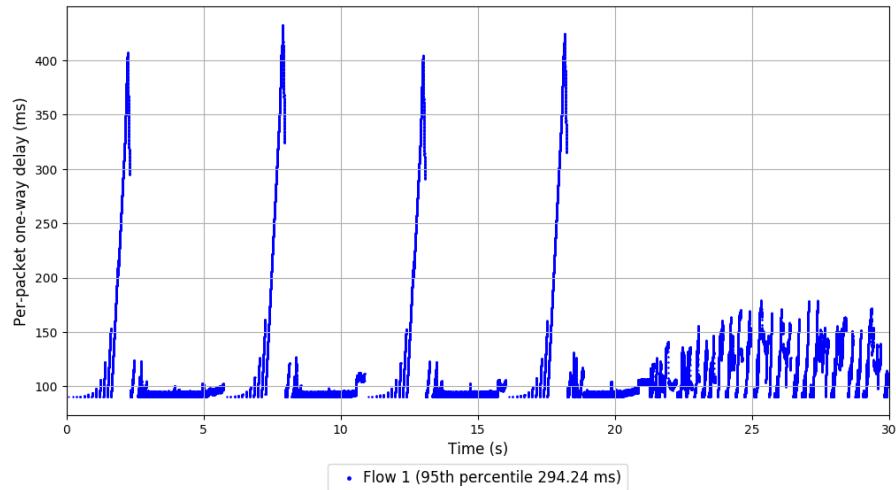
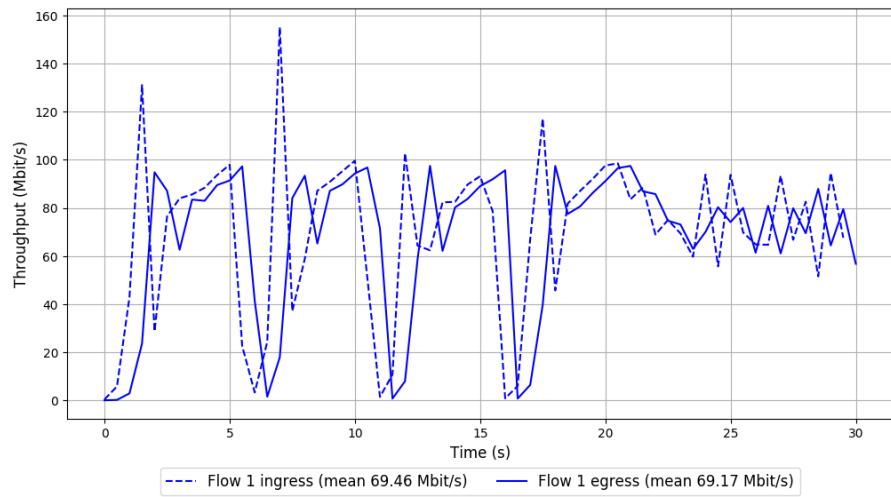


Run 1: Statistics of Verus

```
Start at: 2019-11-24 11:42:46
End at: 2019-11-24 11:43:16
Local clock offset: -0.074 ms
Remote clock offset: -8.508 ms

# Below is generated by plot.py at 2019-11-24 14:15:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.17 Mbit/s
95th percentile per-packet one-way delay: 294.242 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 69.17 Mbit/s
95th percentile per-packet one-way delay: 294.242 ms
Loss rate: 0.87%
```

Run 1: Report of Verus — Data Link

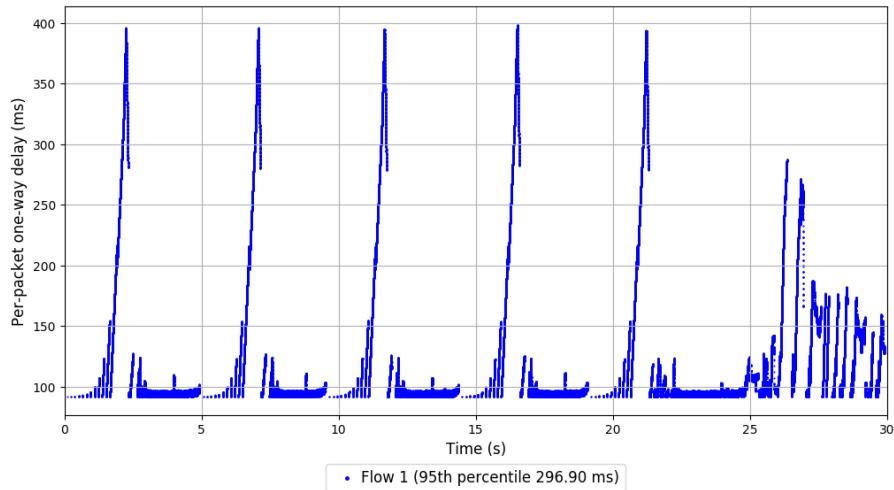
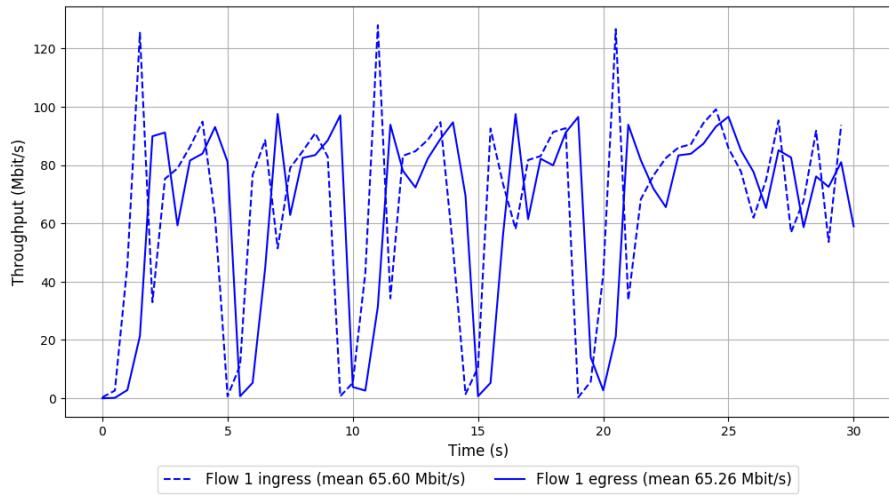


Run 2: Statistics of Verus

```
Start at: 2019-11-24 12:10:54
End at: 2019-11-24 12:11:24
Local clock offset: -0.236 ms
Remote clock offset: -8.748 ms

# Below is generated by plot.py at 2019-11-24 14:15:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.26 Mbit/s
95th percentile per-packet one-way delay: 296.901 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 65.26 Mbit/s
95th percentile per-packet one-way delay: 296.901 ms
Loss rate: 0.99%
```

Run 2: Report of Verus — Data Link

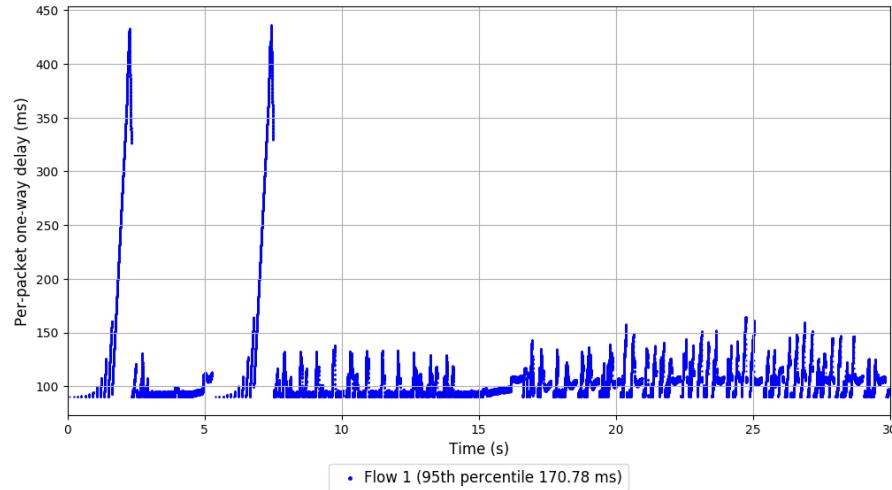
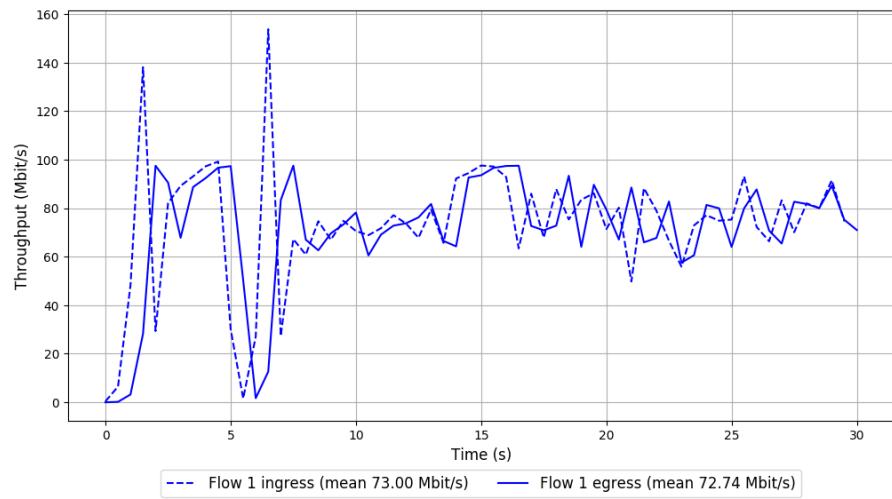


Run 3: Statistics of Verus

```
Start at: 2019-11-24 12:39:02
End at: 2019-11-24 12:39:32
Local clock offset: -1.131 ms
Remote clock offset: -9.333 ms

# Below is generated by plot.py at 2019-11-24 14:15:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.74 Mbit/s
95th percentile per-packet one-way delay: 170.781 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 72.74 Mbit/s
95th percentile per-packet one-way delay: 170.781 ms
Loss rate: 0.64%
```

Run 3: Report of Verus — Data Link

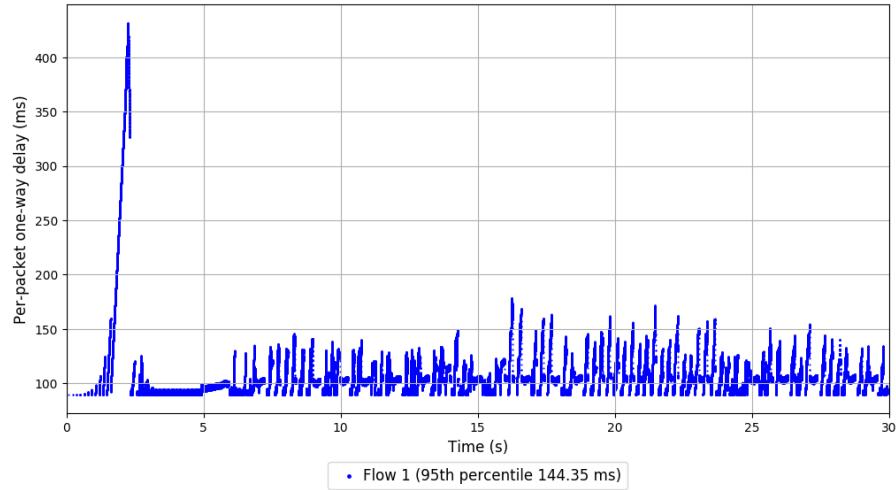
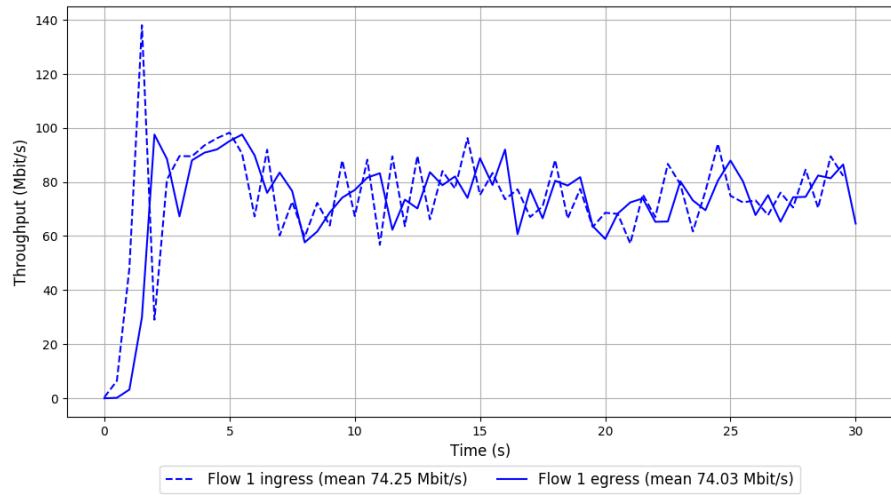


Run 4: Statistics of Verus

```
Start at: 2019-11-24 13:07:09
End at: 2019-11-24 13:07:39
Local clock offset: -0.823 ms
Remote clock offset: -9.374 ms

# Below is generated by plot.py at 2019-11-24 14:15:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.03 Mbit/s
95th percentile per-packet one-way delay: 144.346 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 74.03 Mbit/s
95th percentile per-packet one-way delay: 144.346 ms
Loss rate: 0.74%
```

Run 4: Report of Verus — Data Link

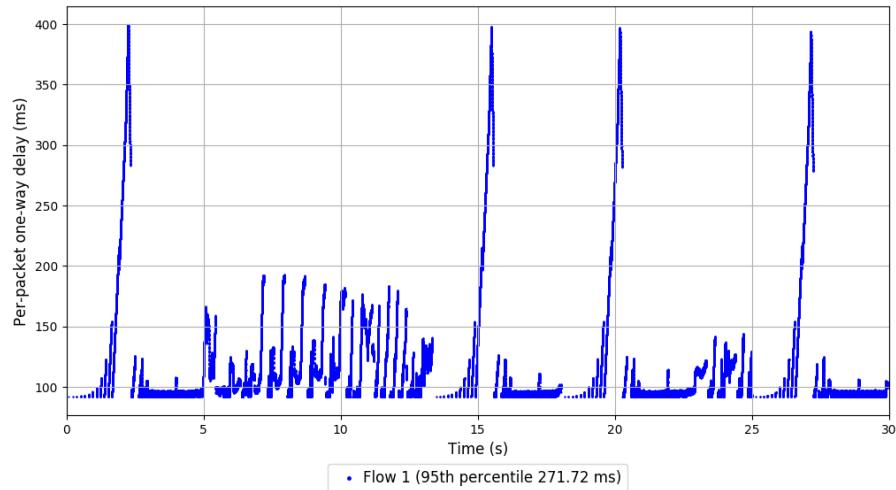
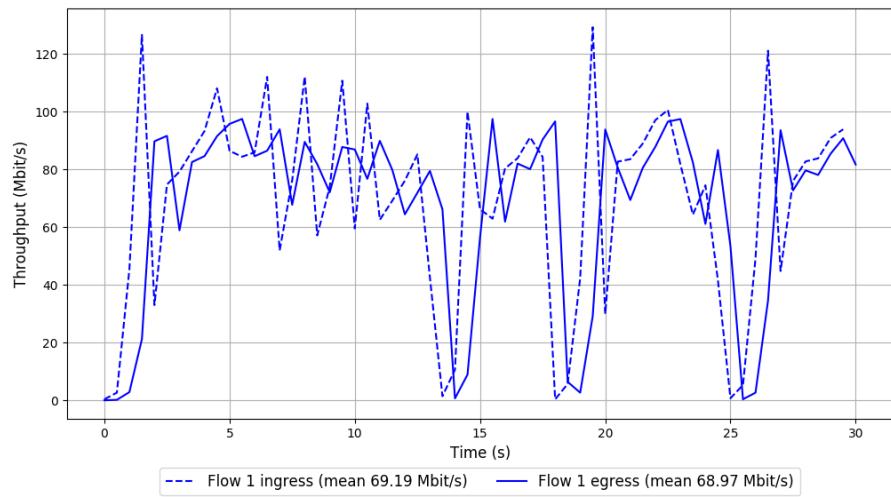


Run 5: Statistics of Verus

```
Start at: 2019-11-24 13:35:23
End at: 2019-11-24 13:35:53
Local clock offset: 0.158 ms
Remote clock offset: -8.595 ms

# Below is generated by plot.py at 2019-11-24 14:15:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.97 Mbit/s
95th percentile per-packet one-way delay: 271.717 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 68.97 Mbit/s
95th percentile per-packet one-way delay: 271.717 ms
Loss rate: 0.79%
```

Run 5: Report of Verus — Data Link

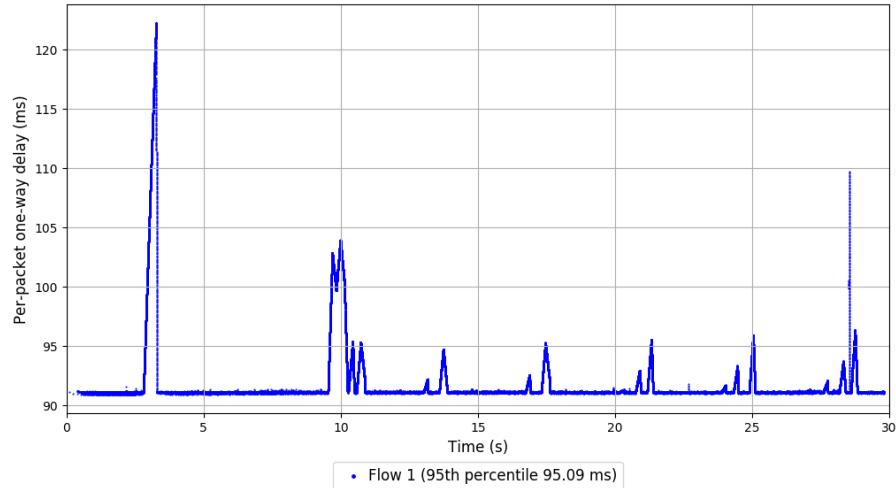
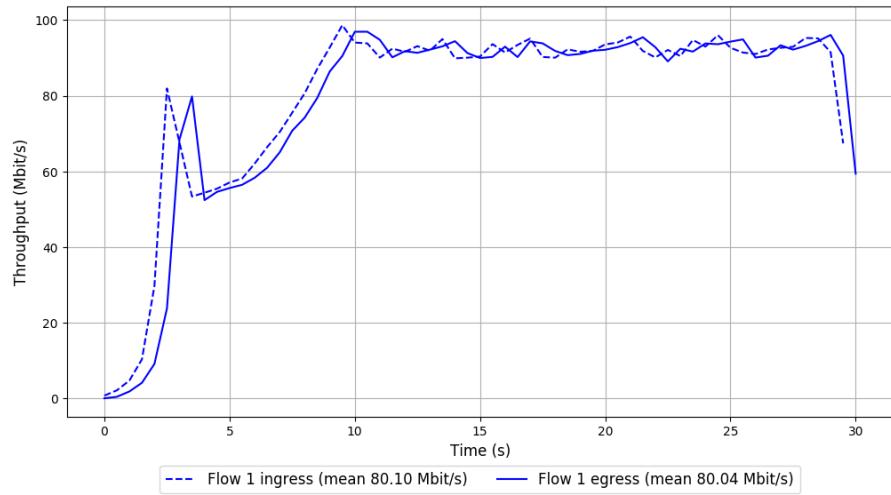


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-11-24 12:06:09
End at: 2019-11-24 12:06:39
Local clock offset: -0.864 ms
Remote clock offset: -8.811 ms

# Below is generated by plot.py at 2019-11-24 14:15:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.04 Mbit/s
95th percentile per-packet one-way delay: 95.086 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 80.04 Mbit/s
95th percentile per-packet one-way delay: 95.086 ms
Loss rate: 0.54%
```

Run 1: Report of PCC-Vivace — Data Link

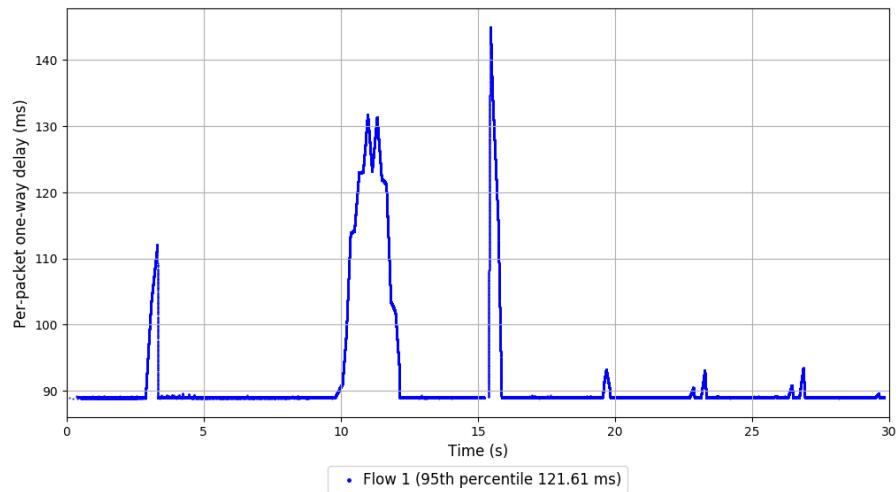
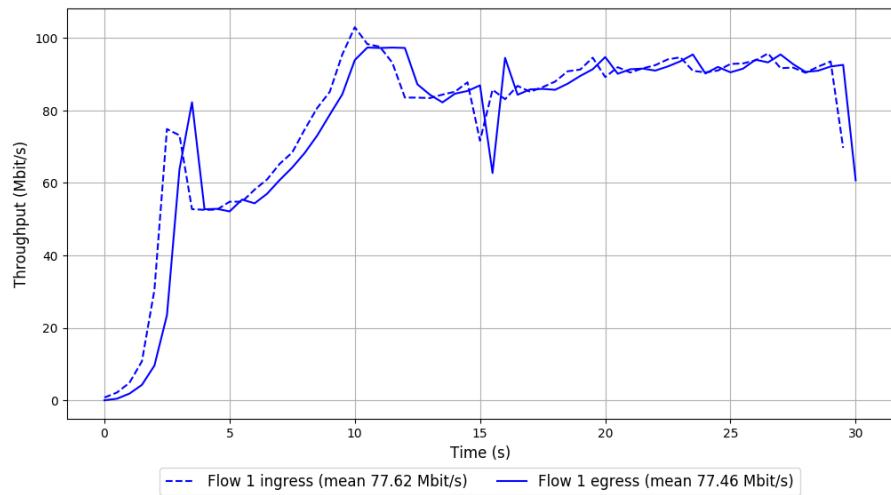


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-11-24 12:34:17
End at: 2019-11-24 12:34:47
Local clock offset: -1.85 ms
Remote clock offset: -8.791 ms

# Below is generated by plot.py at 2019-11-24 14:15:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.46 Mbit/s
95th percentile per-packet one-way delay: 121.605 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 77.46 Mbit/s
95th percentile per-packet one-way delay: 121.605 ms
Loss rate: 0.66%
```

Run 2: Report of PCC-Vivace — Data Link

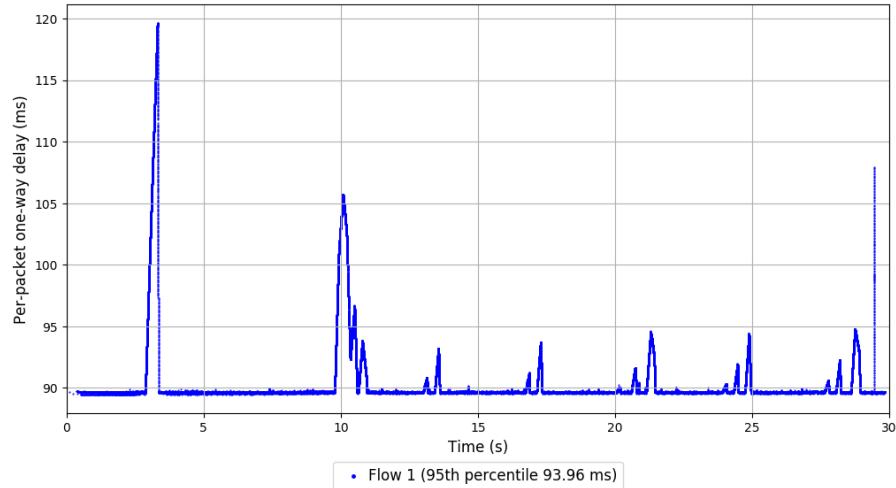
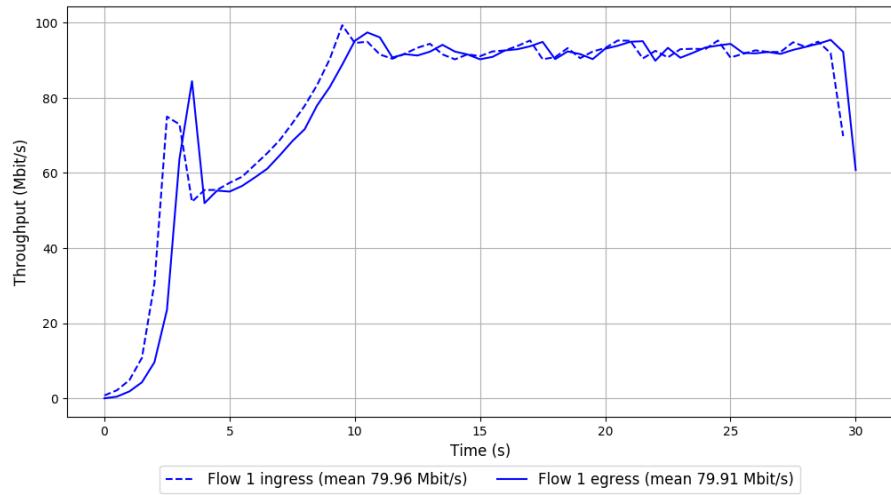


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-11-24 13:02:24
End at: 2019-11-24 13:02:54
Local clock offset: -0.054 ms
Remote clock offset: -8.727 ms

# Below is generated by plot.py at 2019-11-24 14:15:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.91 Mbit/s
95th percentile per-packet one-way delay: 93.960 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 79.91 Mbit/s
95th percentile per-packet one-way delay: 93.960 ms
Loss rate: 0.52%
```

Run 3: Report of PCC-Vivace — Data Link

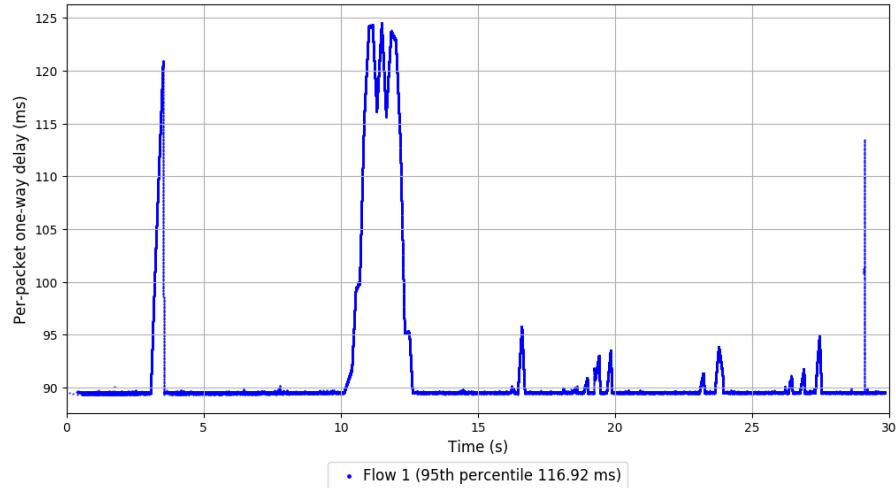
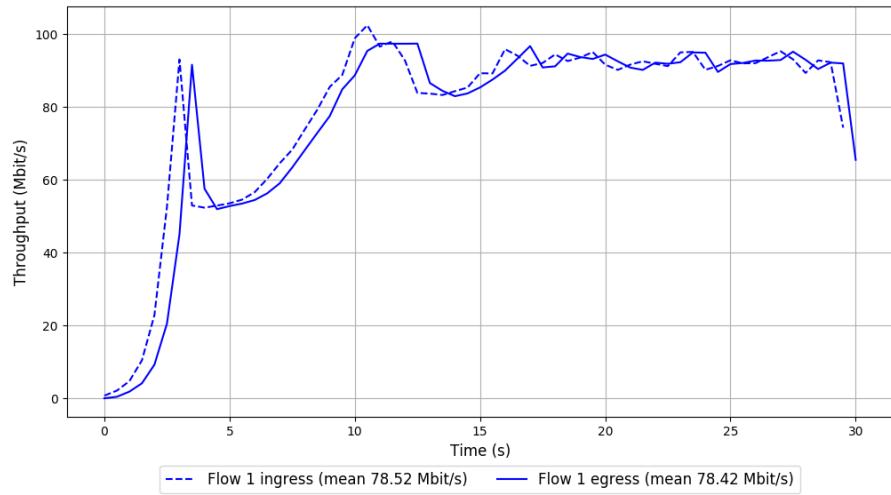


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-11-24 13:30:38
End at: 2019-11-24 13:31:08
Local clock offset: -0.637 ms
Remote clock offset: -9.283 ms

# Below is generated by plot.py at 2019-11-24 14:15:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.42 Mbit/s
95th percentile per-packet one-way delay: 116.922 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 78.42 Mbit/s
95th percentile per-packet one-way delay: 116.922 ms
Loss rate: 0.59%
```

Run 4: Report of PCC-Vivace — Data Link

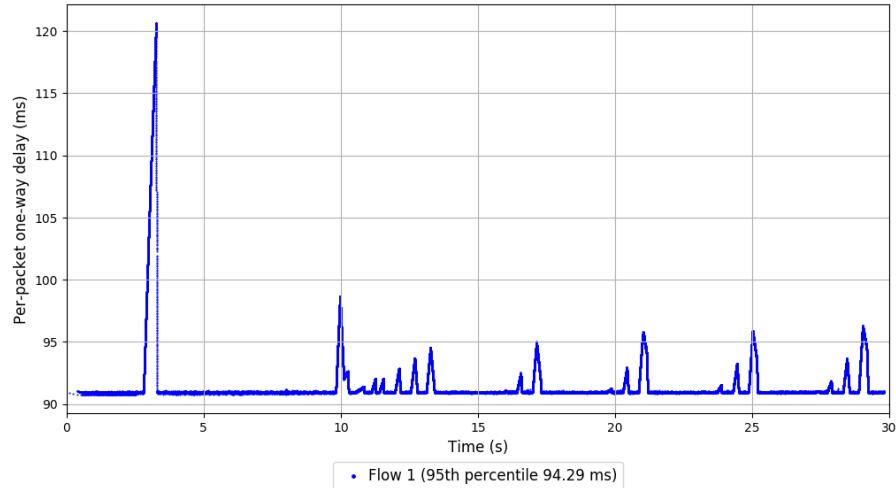
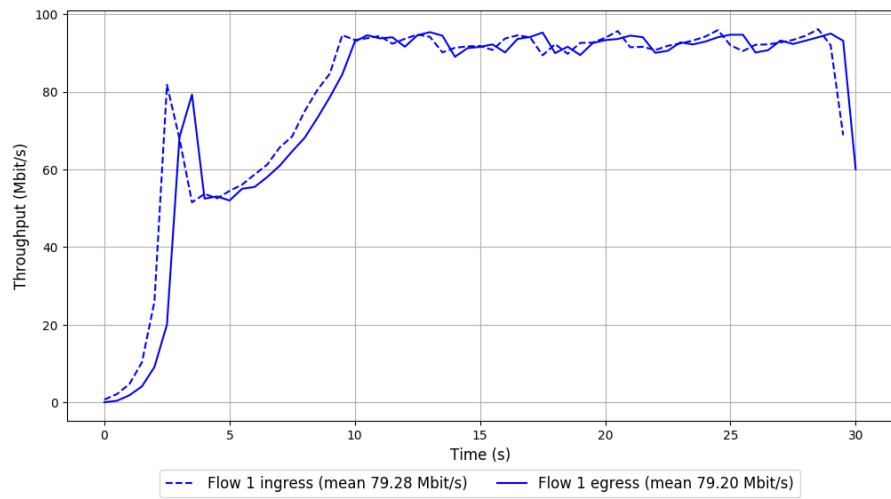


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-11-24 13:58:46
End at: 2019-11-24 13:59:16
Local clock offset: -1.616 ms
Remote clock offset: -8.579 ms

# Below is generated by plot.py at 2019-11-24 14:16:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.20 Mbit/s
95th percentile per-packet one-way delay: 94.291 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 79.20 Mbit/s
95th percentile per-packet one-way delay: 94.291 ms
Loss rate: 0.56%
```

Run 5: Report of PCC-Vivace — Data Link

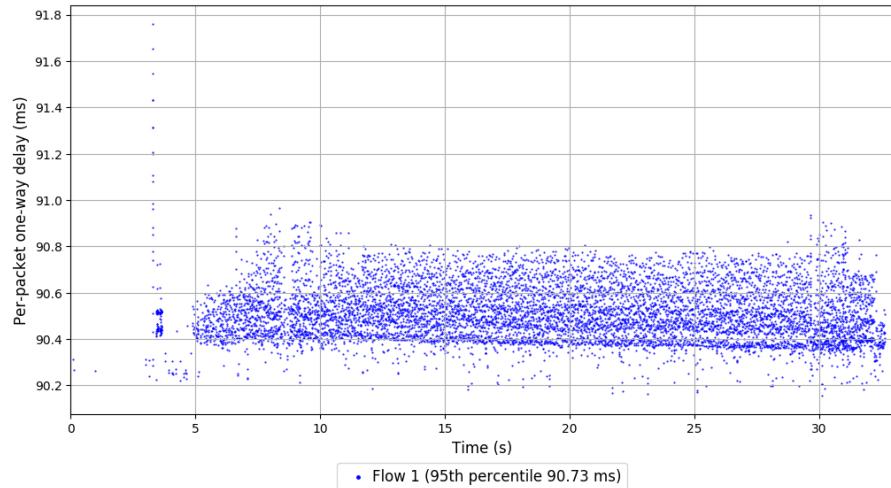
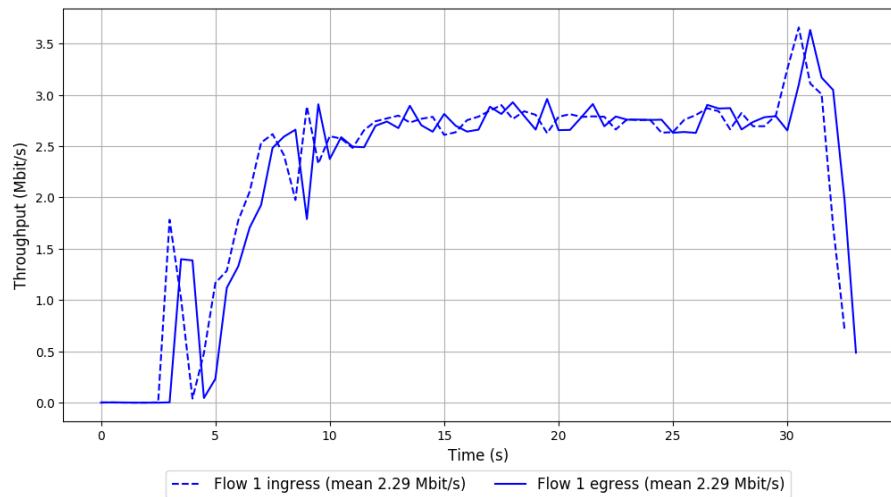


```
Run 1: Statistics of WebRTC media

Start at: 2019-11-24 11:45:06
End at: 2019-11-24 11:45:36
Local clock offset: -0.103 ms
Remote clock offset: -8.428 ms

# Below is generated by plot.py at 2019-11-24 14:16:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 90.733 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 90.733 ms
Loss rate: 0.38%
```

Run 1: Report of WebRTC media — Data Link

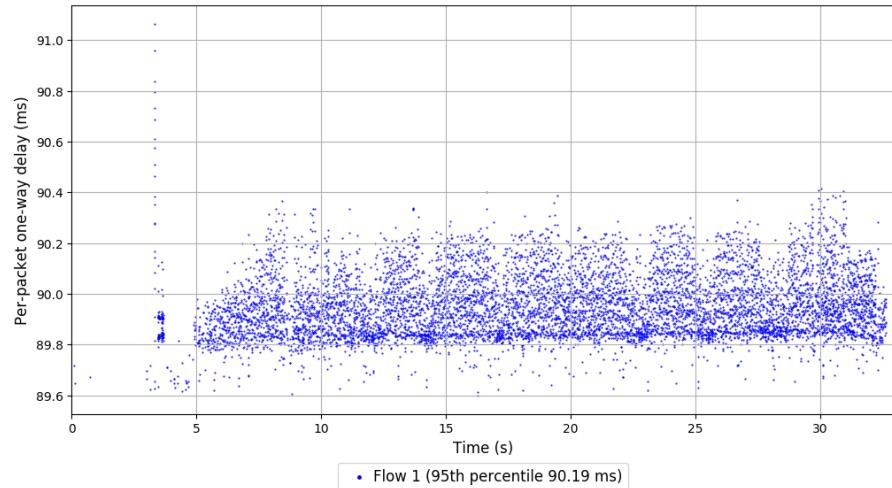
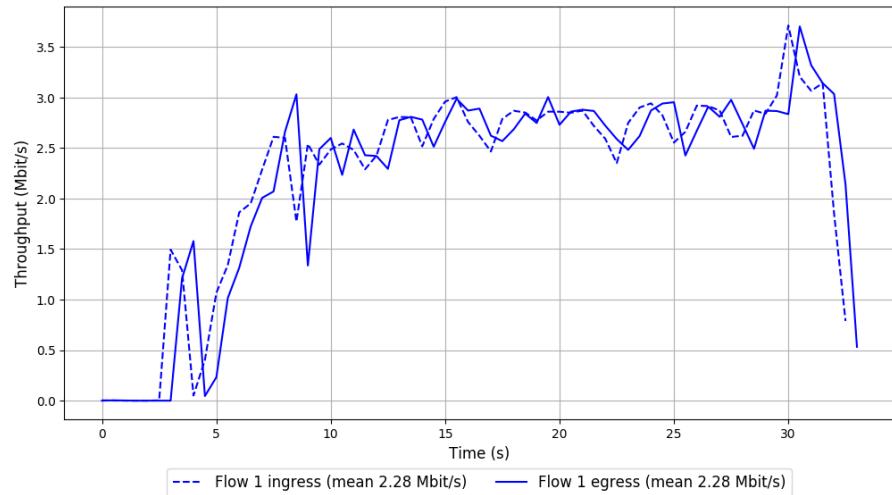


Run 2: Statistics of WebRTC media

```
Start at: 2019-11-24 12:13:15
End at: 2019-11-24 12:13:45
Local clock offset: -0.429 ms
Remote clock offset: -8.735 ms

# Below is generated by plot.py at 2019-11-24 14:16:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 90.185 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 2.28 Mbit/s
95th percentile per-packet one-way delay: 90.185 ms
Loss rate: 0.39%
```

Run 2: Report of WebRTC media — Data Link

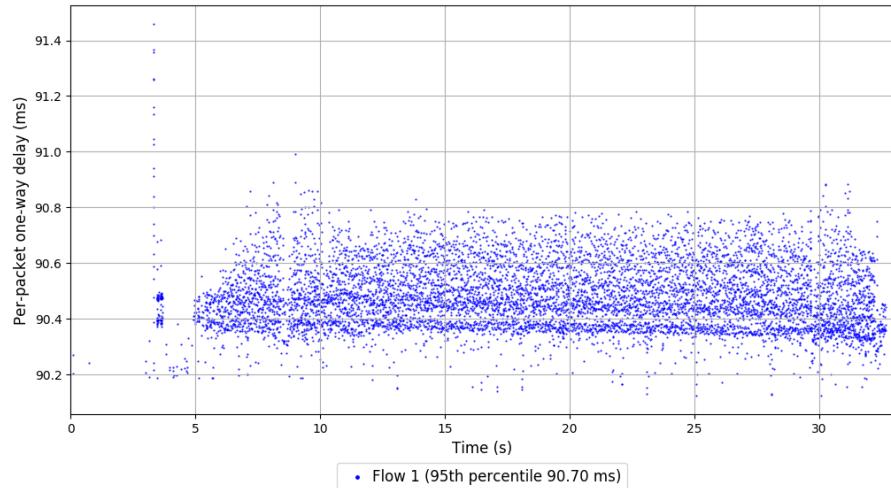
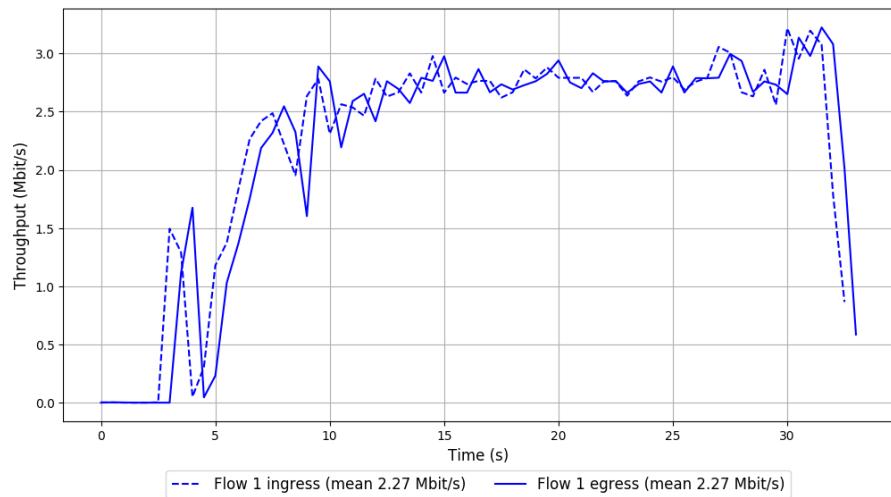


```
Run 3: Statistics of WebRTC media

Start at: 2019-11-24 12:41:22
End at: 2019-11-24 12:41:52
Local clock offset: -0.95 ms
Remote clock offset: -9.364 ms

# Below is generated by plot.py at 2019-11-24 14:16:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 90.696 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 90.696 ms
Loss rate: 0.38%
```

Run 3: Report of WebRTC media — Data Link

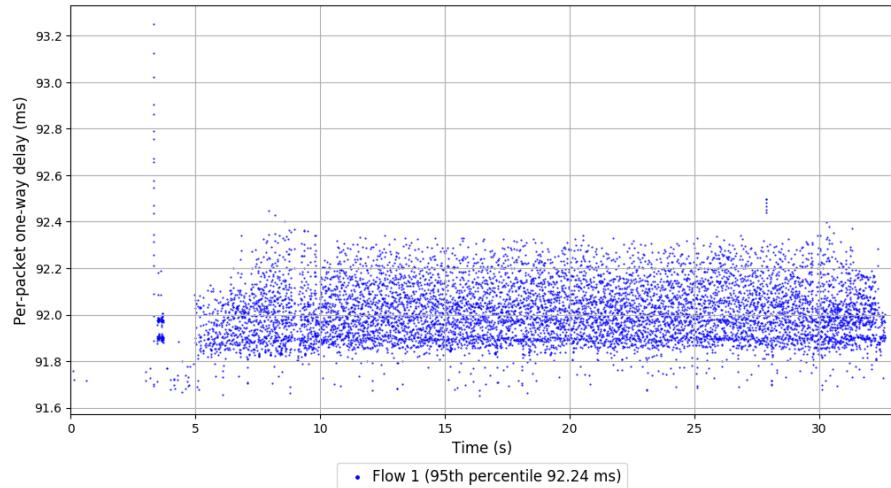
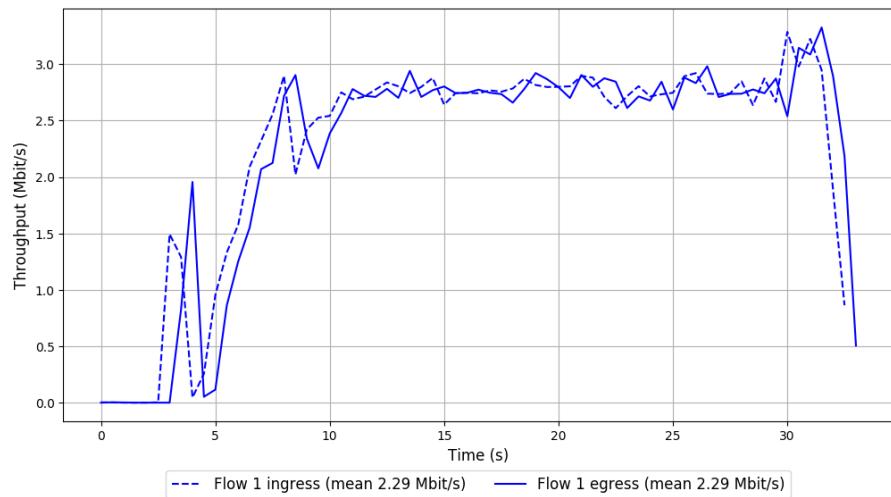


Run 4: Statistics of WebRTC media

```
Start at: 2019-11-24 13:09:30
End at: 2019-11-24 13:10:00
Local clock offset: 0.019 ms
Remote clock offset: -8.797 ms

# Below is generated by plot.py at 2019-11-24 14:16:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 92.239 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 92.239 ms
Loss rate: 0.43%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-11-24 13:37:43
End at: 2019-11-24 13:38:13
Local clock offset: 0.161 ms
Remote clock offset: -9.24 ms

# Below is generated by plot.py at 2019-11-24 14:16:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 92.663 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 92.663 ms
Loss rate: 0.38%
```

Run 5: Report of WebRTC media — Data Link

