

Pantheon Report

Generated at 2019-01-24 16:30:09 (UTC).
Data path: AWS Brazil 1 on `ens5` (*local*) → Brazil on `p4p1` (*remote*).
Repeated the test of 21 congestion control schemes 5 times.
Each test lasted for 30 seconds running 1 flow.
NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

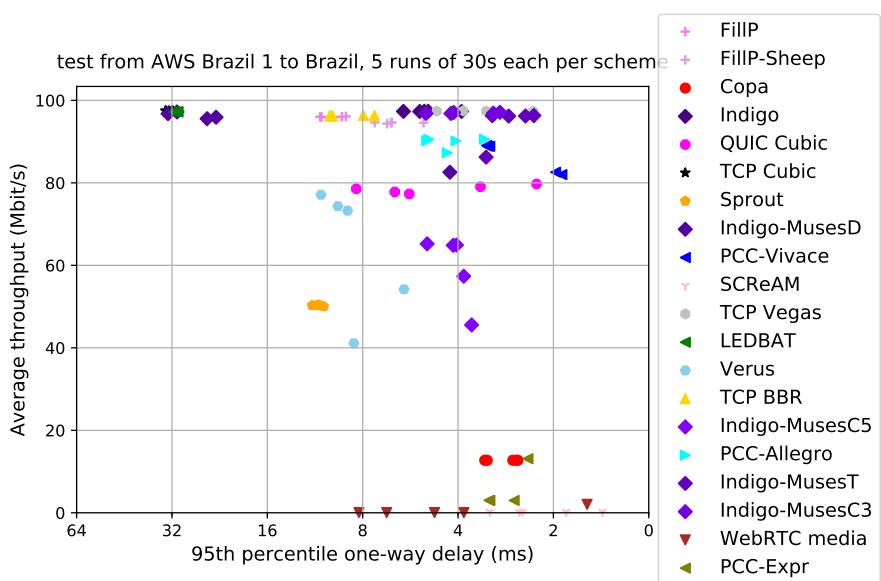
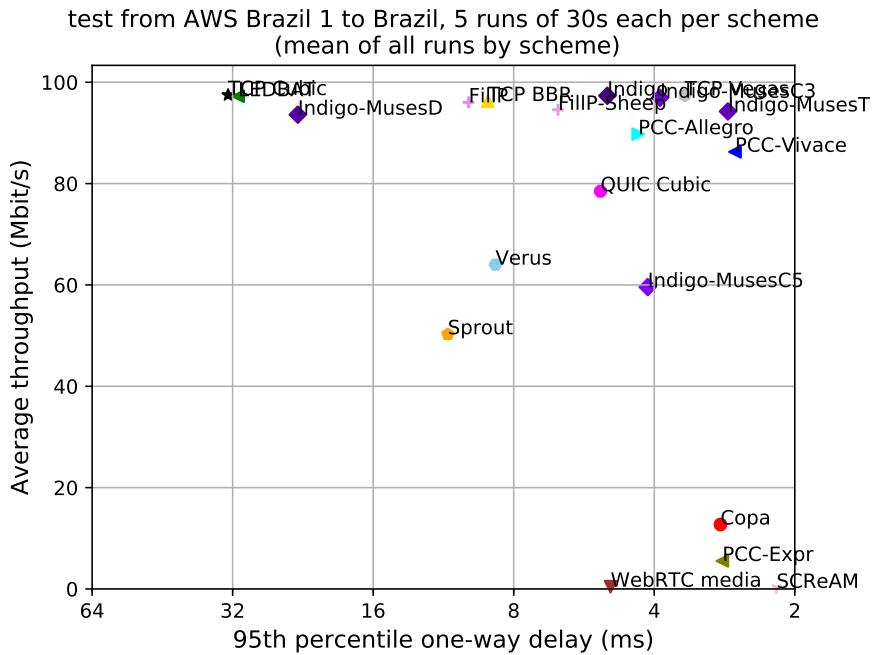
System info:

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

Git summary:

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

third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851



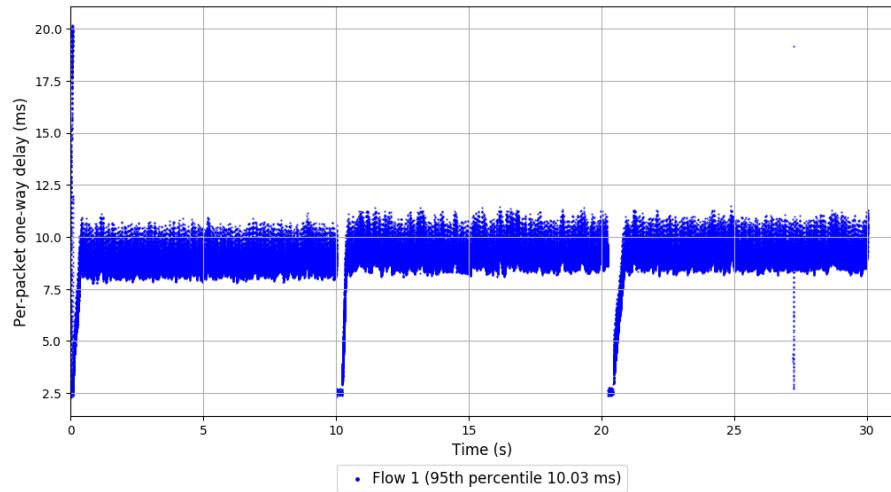
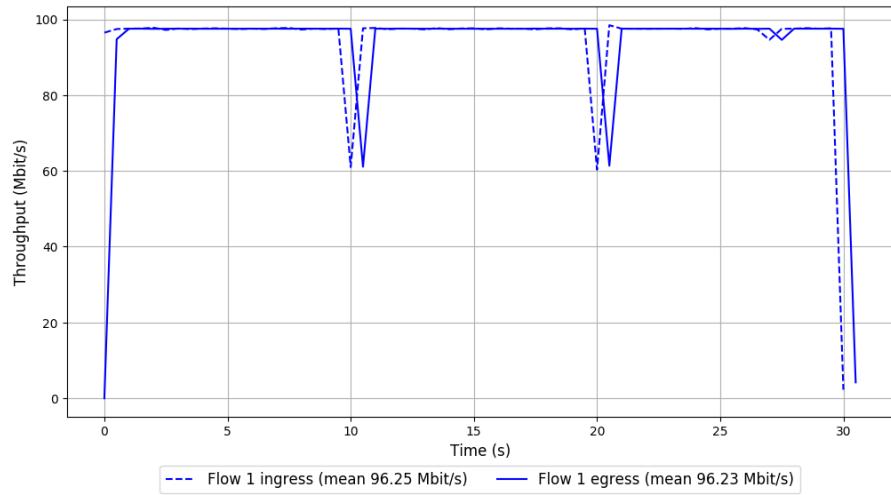
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	96.29	9.09	0.00
Copa	5	12.73	2.89	64.06
TCP Cubic	5	97.48	32.73	0.01
FillP	5	96.03	9.99	0.28
FillP-Sheep	5	94.56	6.43	0.09
Indigo	5	97.33	5.04	0.00
Indigo-MusesC3	5	96.94	3.89	0.00
Indigo-MusesC5	5	59.58	4.13	0.00
Indigo-MusesD	5	93.61	23.20	0.50
Indigo-MusesT	5	94.25	2.78	0.00
LEDBAT	5	97.23	31.15	0.01
PCC-Allegro	5	89.76	4.33	0.00
PCC-Expr	4	5.53	2.86	19.66
QUIC Cubic	5	78.50	5.21	0.29
SCReAM	5	0.22	2.19	0.00
Sprout	5	50.27	11.07	0.00
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	97.41	3.44	0.00
Verus	5	64.01	8.76	1.11
PCC-Vivace	5	86.27	2.69	0.00
WebRTC media	5	0.45	4.96	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-01-24 14:37:55
End at: 2019-01-24 14:38:25
Local clock offset: -8.94 ms
Remote clock offset: -1.212 ms

# Below is generated by plot.py at 2019-01-24 16:20:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 10.031 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 10.031 ms
Loss rate: 0.00%
```

Run 1: Report of TCP BBR — Data Link

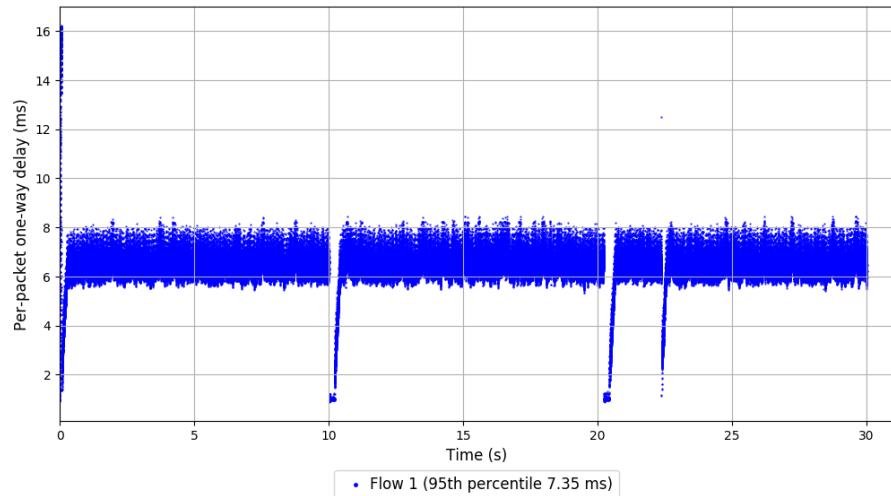
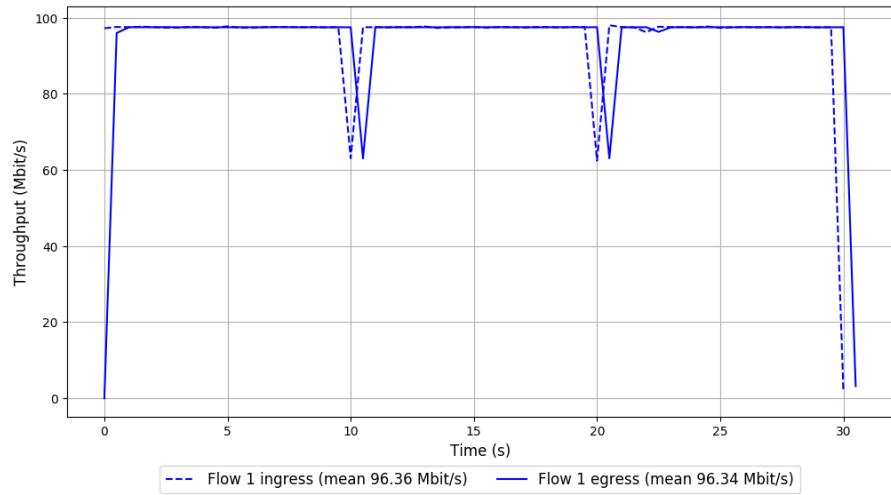


Run 2: Statistics of TCP BBR

```
Start at: 2019-01-24 15:01:25
End at: 2019-01-24 15:01:55
Local clock offset: -8.095 ms
Remote clock offset: -1.271 ms

# Below is generated by plot.py at 2019-01-24 16:20:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 7.346 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.34 Mbit/s
95th percentile per-packet one-way delay: 7.346 ms
Loss rate: 0.01%
```

Run 2: Report of TCP BBR — Data Link

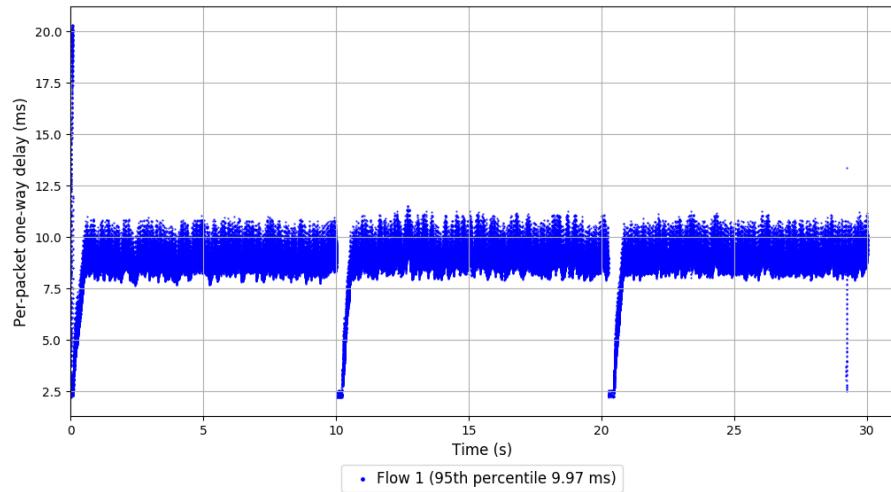
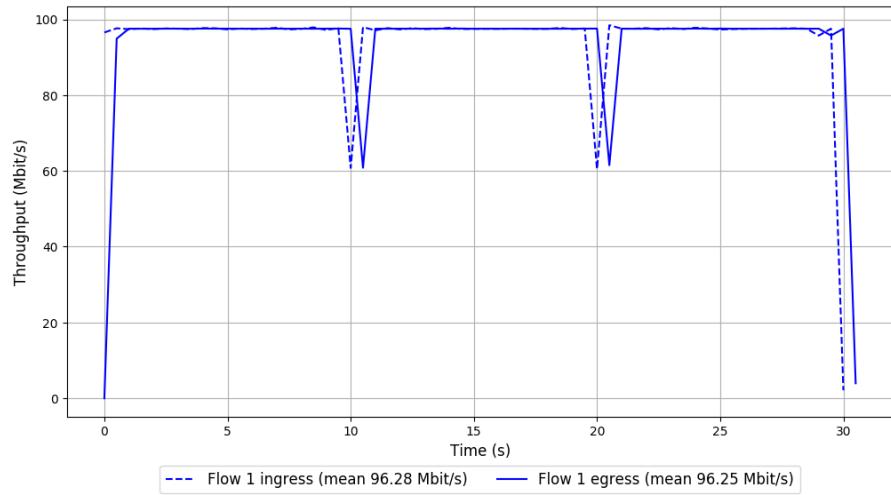


Run 3: Statistics of TCP BBR

```
Start at: 2019-01-24 15:24:54
End at: 2019-01-24 15:25:24
Local clock offset: -8.322 ms
Remote clock offset: -1.123 ms

# Below is generated by plot.py at 2019-01-24 16:20:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 9.967 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.25 Mbit/s
95th percentile per-packet one-way delay: 9.967 ms
Loss rate: 0.00%
```

Run 3: Report of TCP BBR — Data Link

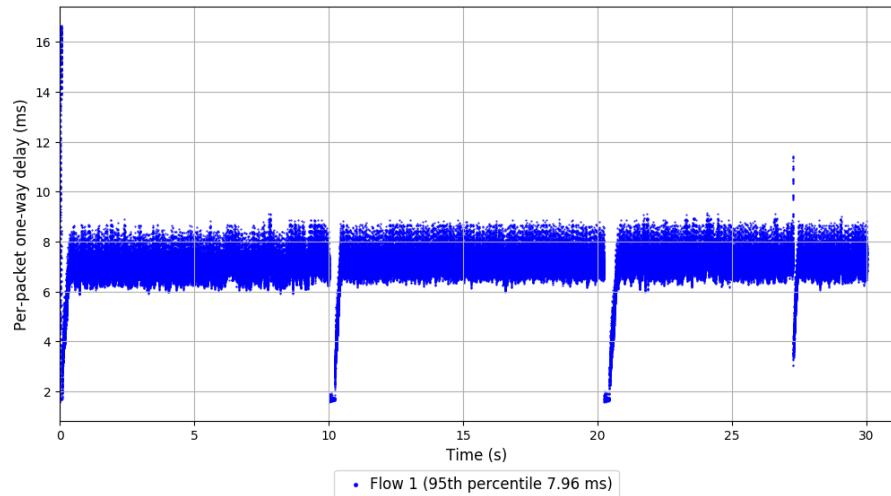
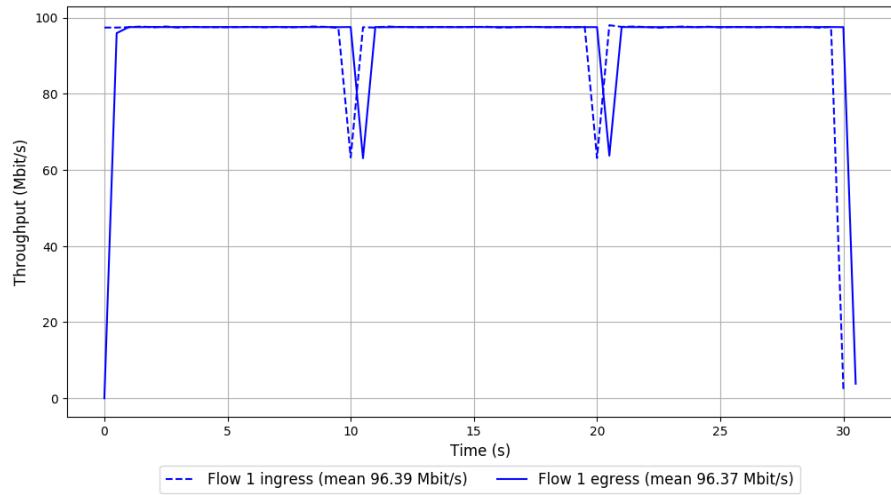


Run 4: Statistics of TCP BBR

```
Start at: 2019-01-24 15:48:20
End at: 2019-01-24 15:48:50
Local clock offset: -7.291 ms
Remote clock offset: -0.799 ms

# Below is generated by plot.py at 2019-01-24 16:20:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 7.959 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.37 Mbit/s
95th percentile per-packet one-way delay: 7.959 ms
Loss rate: 0.00%
```

Run 4: Report of TCP BBR — Data Link

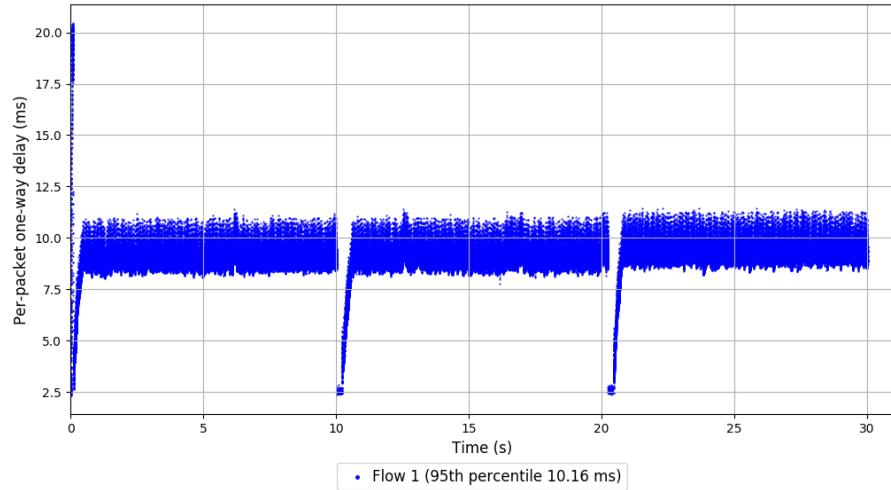
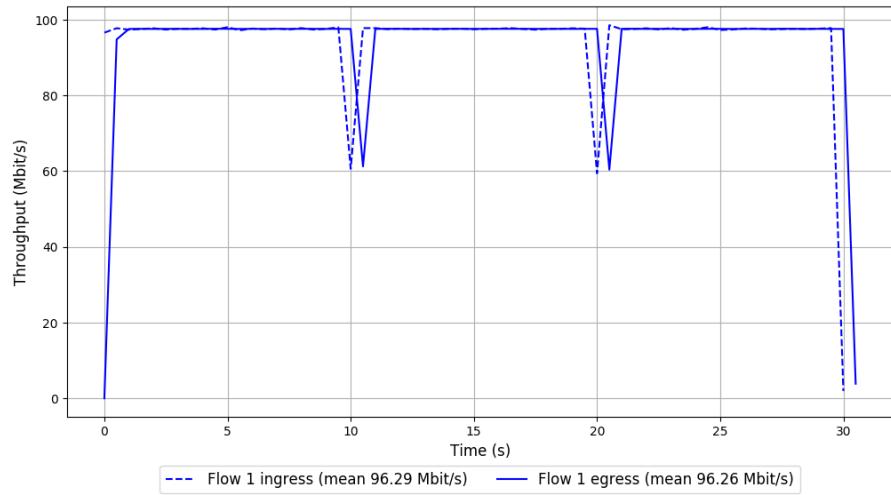


Run 5: Statistics of TCP BBR

```
Start at: 2019-01-24 16:11:49
End at: 2019-01-24 16:12:19
Local clock offset: -2.622 ms
Remote clock offset: -0.626 ms

# Below is generated by plot.py at 2019-01-24 16:20:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.164 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 10.164 ms
Loss rate: 0.00%
```

Run 5: Report of TCP BBR — Data Link

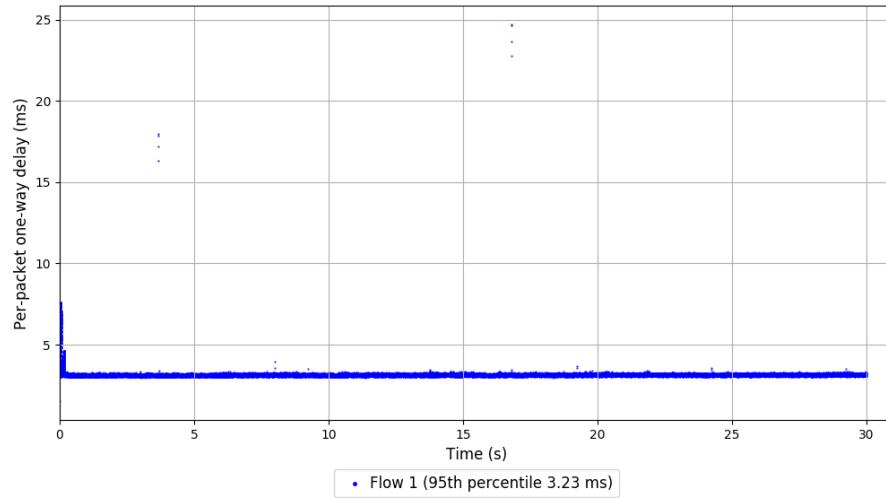
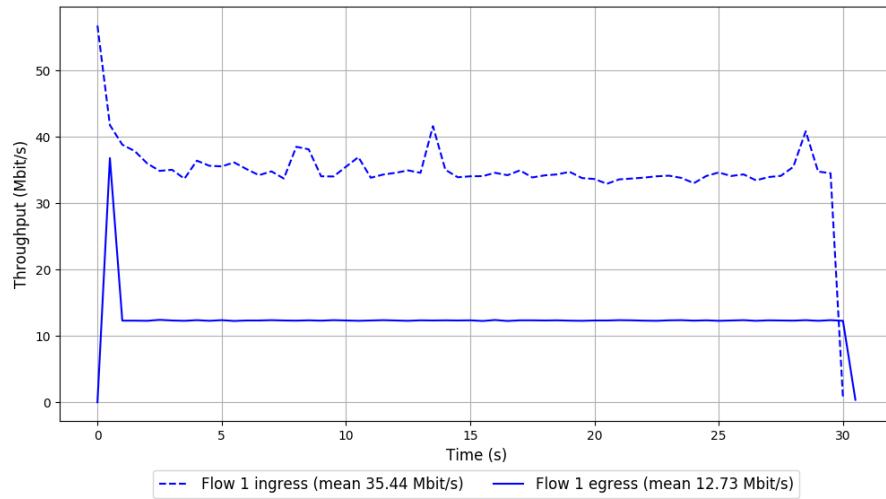


Run 1: Statistics of Copa

```
Start at: 2019-01-24 14:43:30
End at: 2019-01-24 14:44:00
Local clock offset: -8.84 ms
Remote clock offset: -1.26 ms

# Below is generated by plot.py at 2019-01-24 16:20:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 3.235 ms
Loss rate: 64.07%
-- Flow 1:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 3.235 ms
Loss rate: 64.07%
```

Run 1: Report of Copa — Data Link

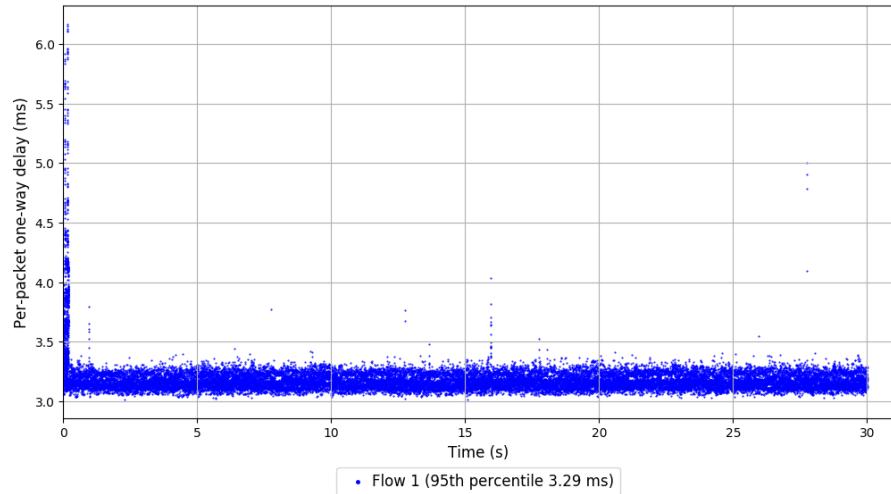
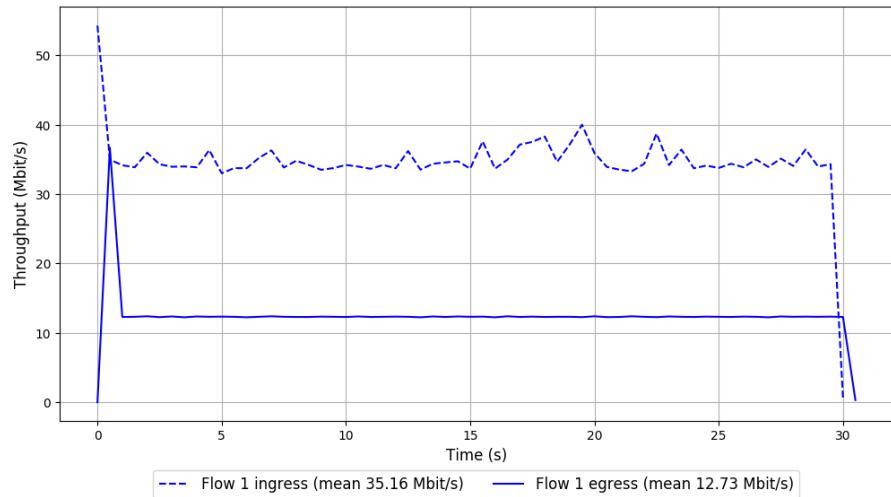


Run 2: Statistics of Copa

```
Start at: 2019-01-24 15:06:59
End at: 2019-01-24 15:07:29
Local clock offset: -8.601 ms
Remote clock offset: -1.211 ms

# Below is generated by plot.py at 2019-01-24 16:20:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 3.294 ms
Loss rate: 63.79%
-- Flow 1:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 3.294 ms
Loss rate: 63.79%
```

Run 2: Report of Copa — Data Link

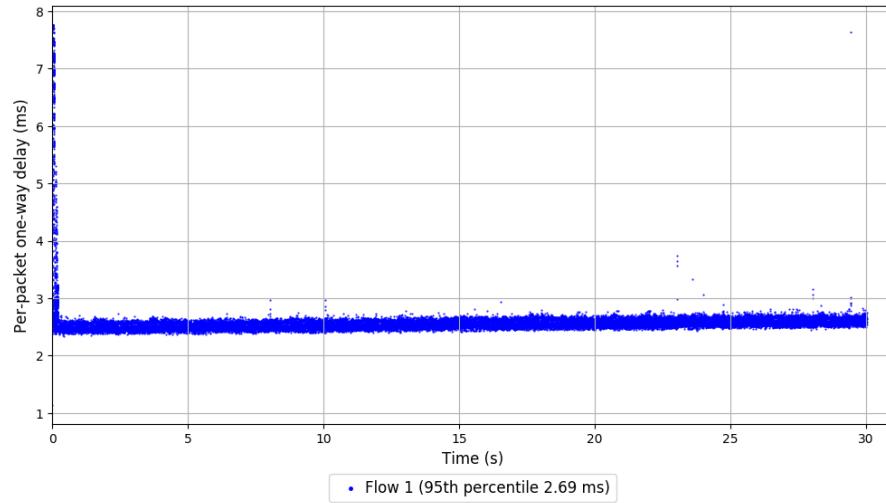
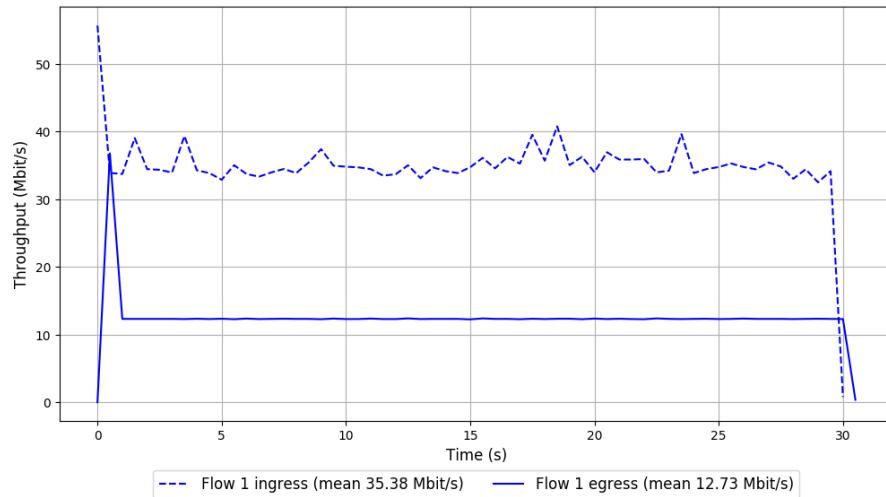


Run 3: Statistics of Copa

```
Start at: 2019-01-24 15:30:26
End at: 2019-01-24 15:30:56
Local clock offset: -8.436 ms
Remote clock offset: -0.993 ms

# Below is generated by plot.py at 2019-01-24 16:20:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 2.687 ms
Loss rate: 64.02%
-- Flow 1:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 2.687 ms
Loss rate: 64.02%
```

Run 3: Report of Copa — Data Link

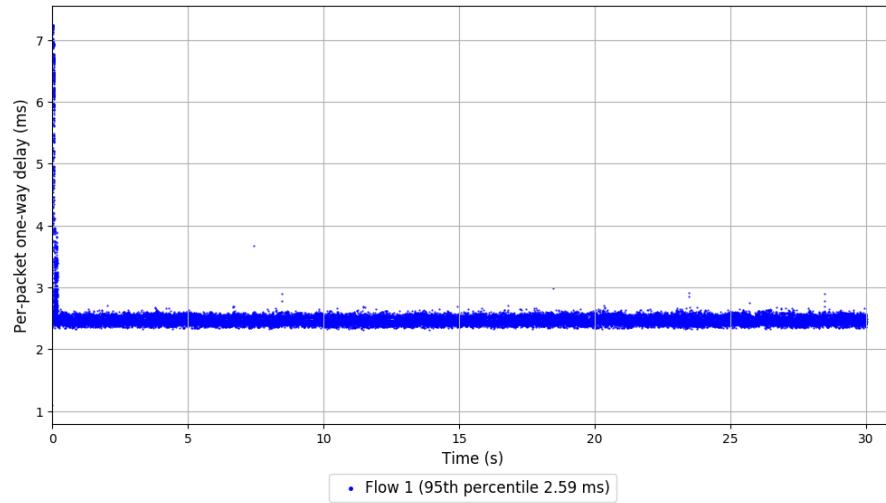
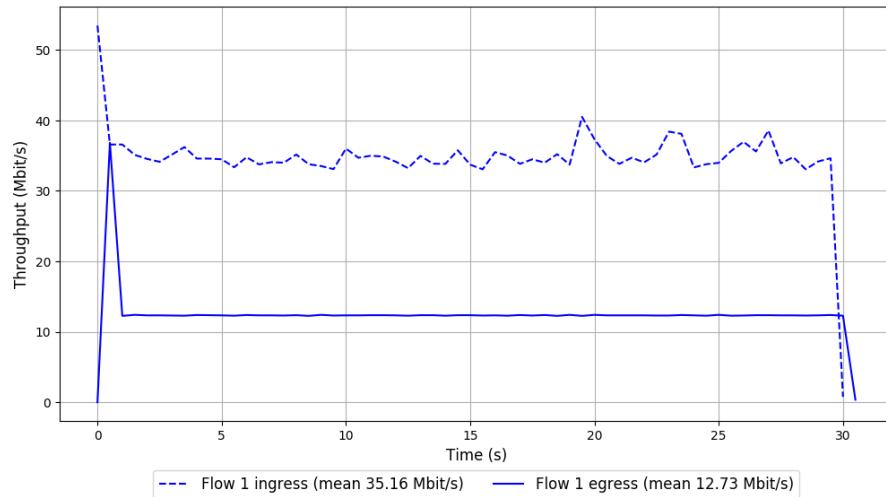


Run 4: Statistics of Copa

```
Start at: 2019-01-24 15:53:55
End at: 2019-01-24 15:54:25
Local clock offset: -6.527 ms
Remote clock offset: -0.677 ms

# Below is generated by plot.py at 2019-01-24 16:20:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 2.589 ms
Loss rate: 63.80%
-- Flow 1:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 2.589 ms
Loss rate: 63.80%
```

Run 4: Report of Copa — Data Link

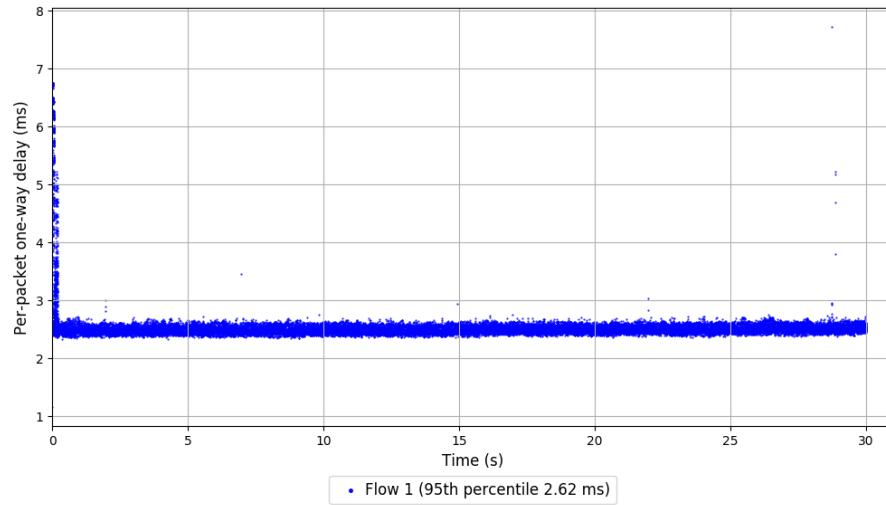
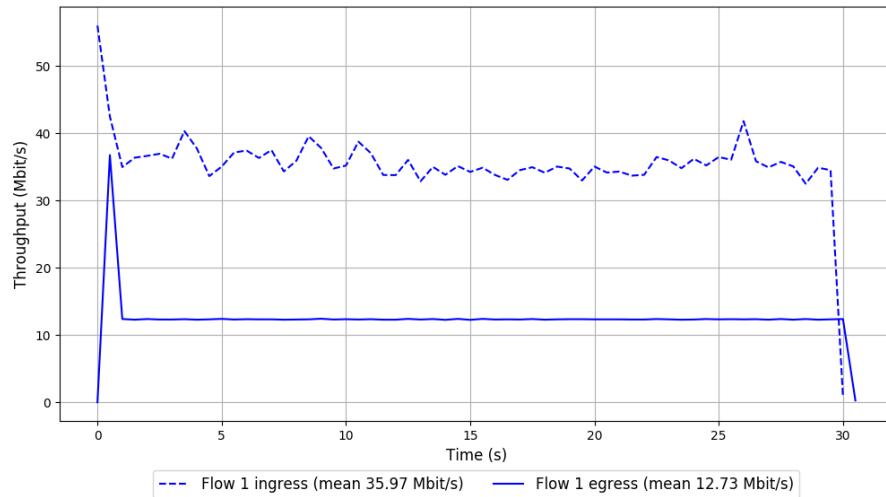


Run 5: Statistics of Copa

```
Start at: 2019-01-24 16:17:23
End at: 2019-01-24 16:17:53
Local clock offset: -1.961 ms
Remote clock offset: -0.518 ms

# Below is generated by plot.py at 2019-01-24 16:20:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 2.622 ms
Loss rate: 64.60%
-- Flow 1:
Average throughput: 12.73 Mbit/s
95th percentile per-packet one-way delay: 2.622 ms
Loss rate: 64.60%
```

Run 5: Report of Copa — Data Link

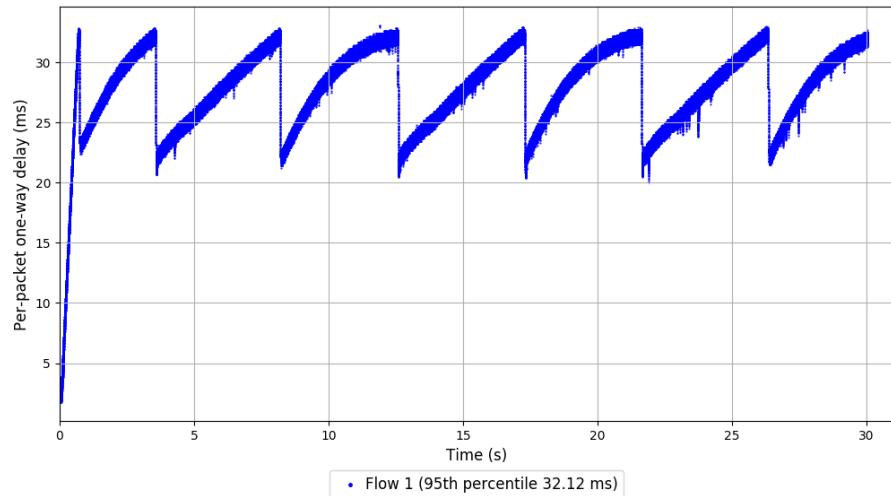
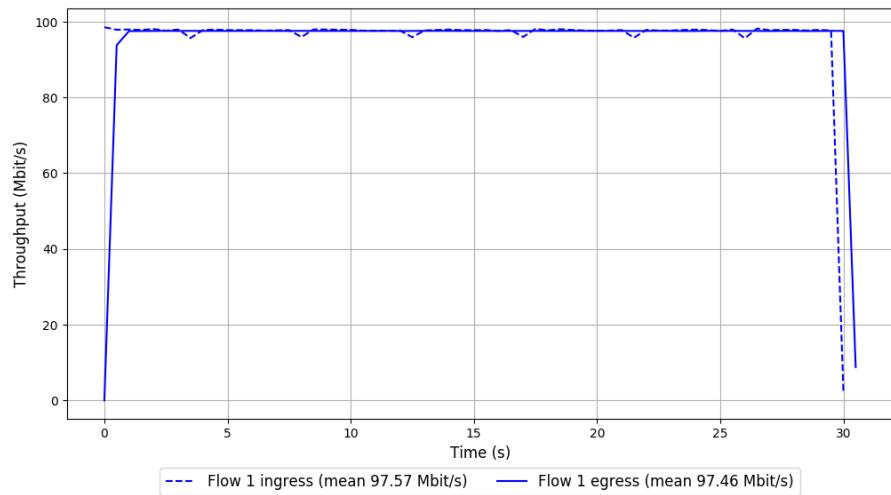


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-01-24 14:34:32
End at: 2019-01-24 14:35:02
Local clock offset: -10.845 ms
Remote clock offset: -1.154 ms

# Below is generated by plot.py at 2019-01-24 16:20:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 32.121 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 32.121 ms
Loss rate: 0.01%
```

Run 1: Report of TCP Cubic — Data Link

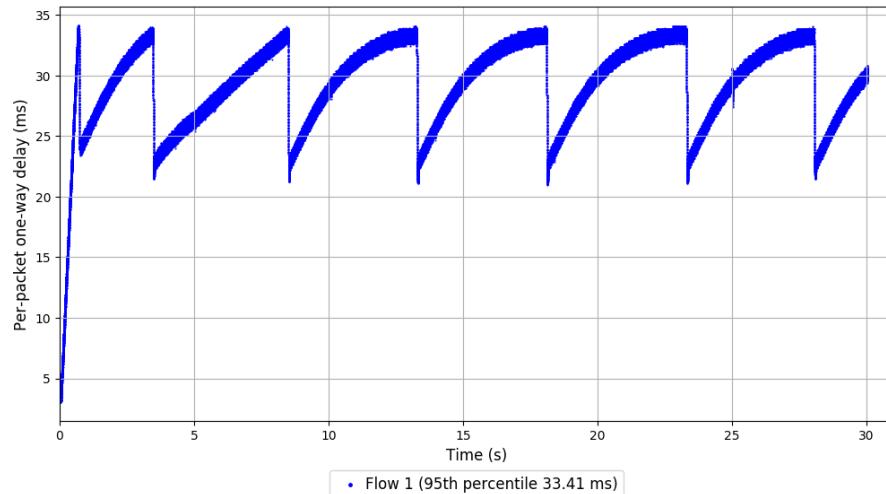
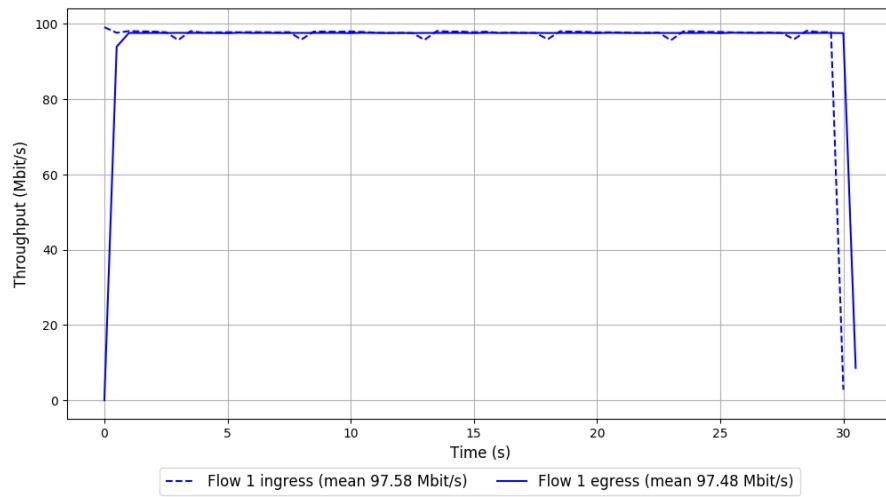


Run 2: Statistics of TCP Cubic

```
Start at: 2019-01-24 14:58:02
End at: 2019-01-24 14:58:32
Local clock offset: -8.878 ms
Remote clock offset: -1.295 ms

# Below is generated by plot.py at 2019-01-24 16:20:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 33.408 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.48 Mbit/s
95th percentile per-packet one-way delay: 33.408 ms
Loss rate: 0.01%
```

Run 2: Report of TCP Cubic — Data Link

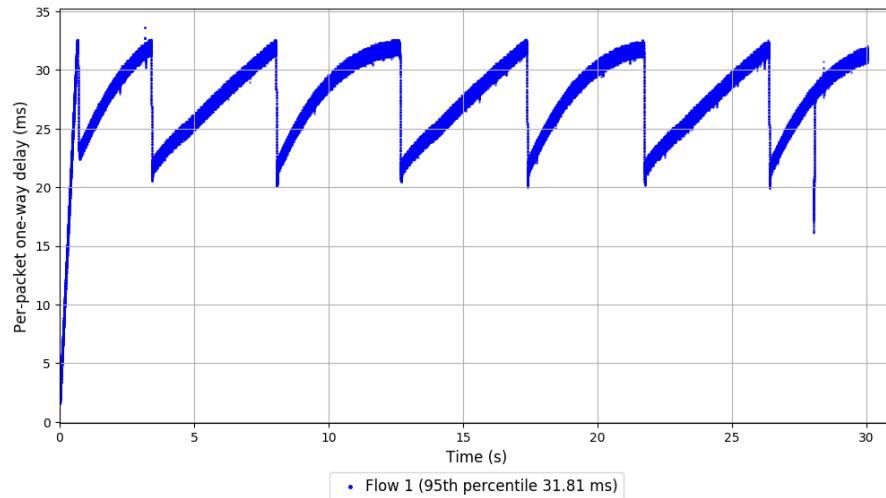
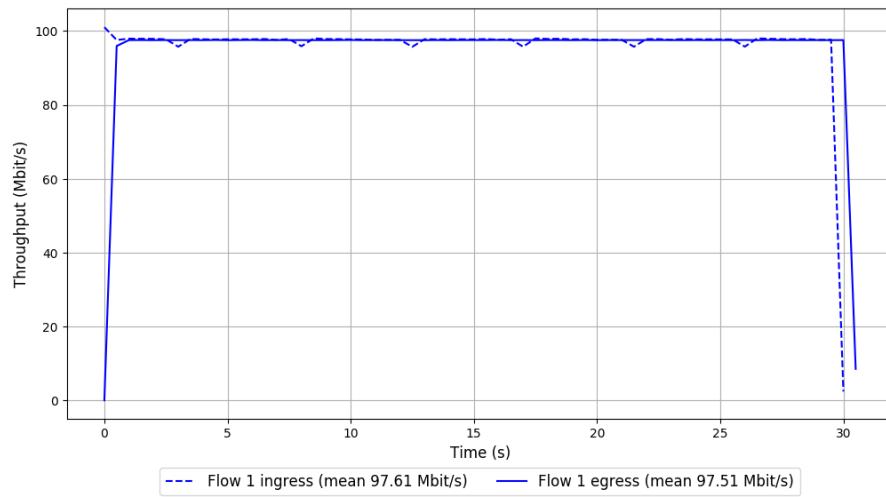


Run 3: Statistics of TCP Cubic

```
Start at: 2019-01-24 15:21:30
End at: 2019-01-24 15:22:00
Local clock offset: -8.923 ms
Remote clock offset: -1.144 ms

# Below is generated by plot.py at 2019-01-24 16:20:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 31.811 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.51 Mbit/s
95th percentile per-packet one-way delay: 31.811 ms
Loss rate: 0.01%
```

Run 3: Report of TCP Cubic — Data Link

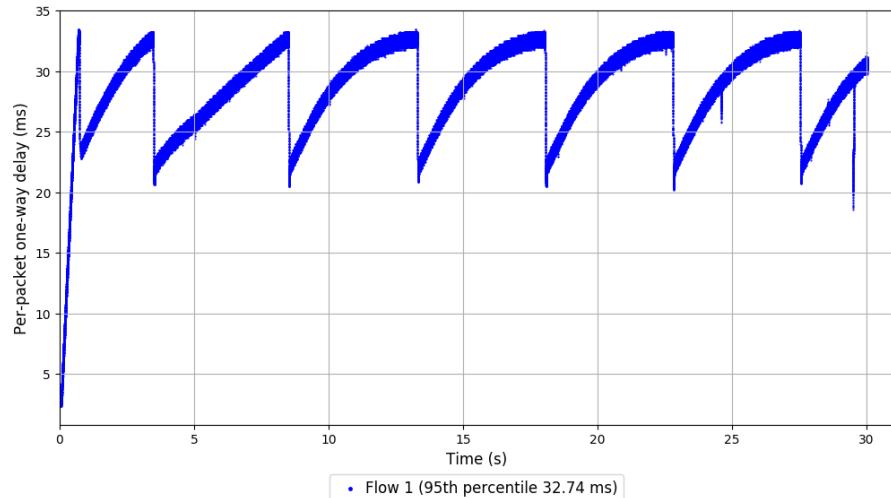
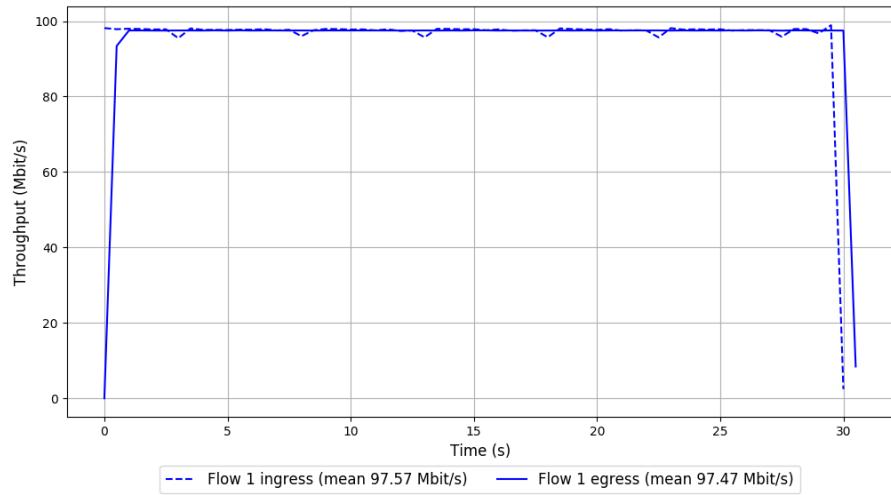


Run 4: Statistics of TCP Cubic

```
Start at: 2019-01-24 15:44:57
End at: 2019-01-24 15:45:27
Local clock offset: -6.63 ms
Remote clock offset: -0.773 ms

# Below is generated by plot.py at 2019-01-24 16:21:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.736 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 32.736 ms
Loss rate: 0.01%
```

Run 4: Report of TCP Cubic — Data Link

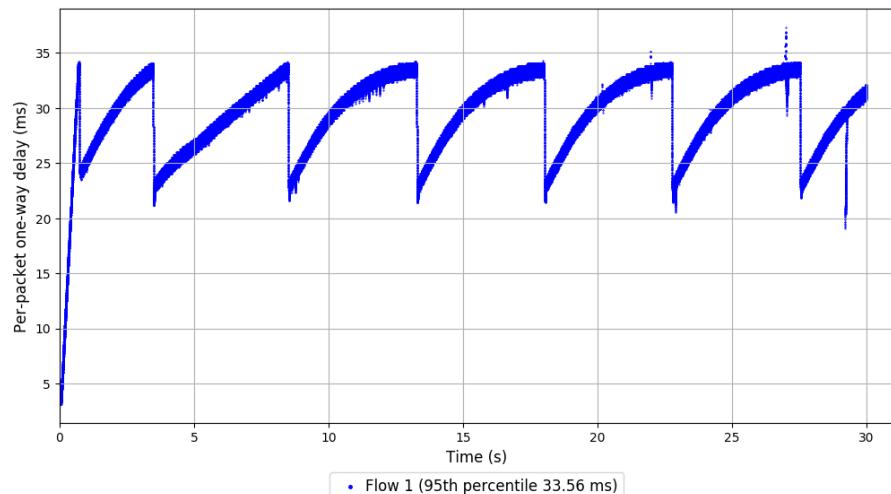
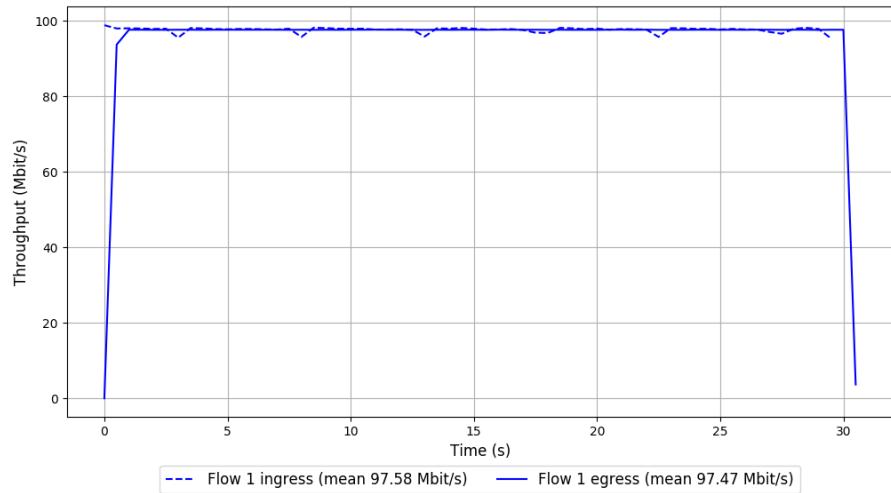


Run 5: Statistics of TCP Cubic

```
Start at: 2019-01-24 16:08:25
End at: 2019-01-24 16:08:55
Local clock offset: -4.123 ms
Remote clock offset: -0.655 ms

# Below is generated by plot.py at 2019-01-24 16:21:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 33.559 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 33.559 ms
Loss rate: 0.01%
```

Run 5: Report of TCP Cubic — Data Link

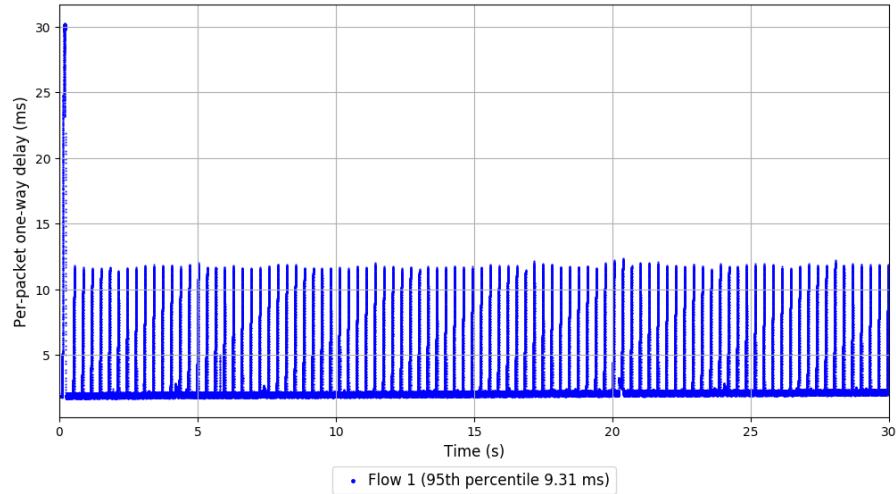
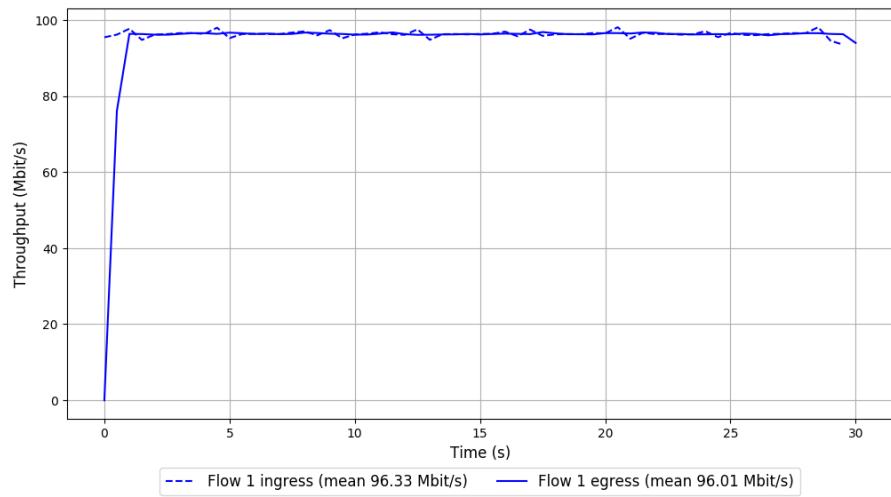


```
Run 1: Statistics of FillP
```

```
Start at: 2019-01-24 14:32:19
End at: 2019-01-24 14:32:49
Local clock offset: -11.835 ms
Remote clock offset: -1.065 ms

# Below is generated by plot.py at 2019-01-24 16:21:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 9.307 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 9.307 ms
Loss rate: 0.32%
```

Run 1: Report of FillP — Data Link

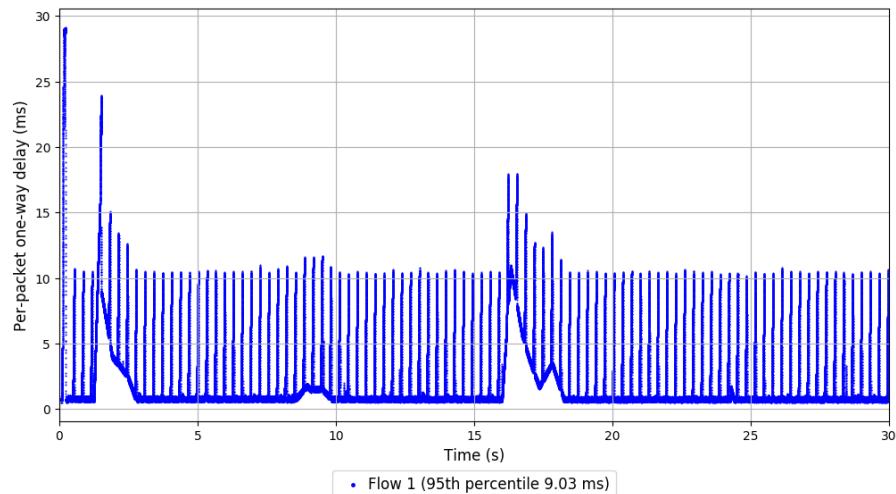
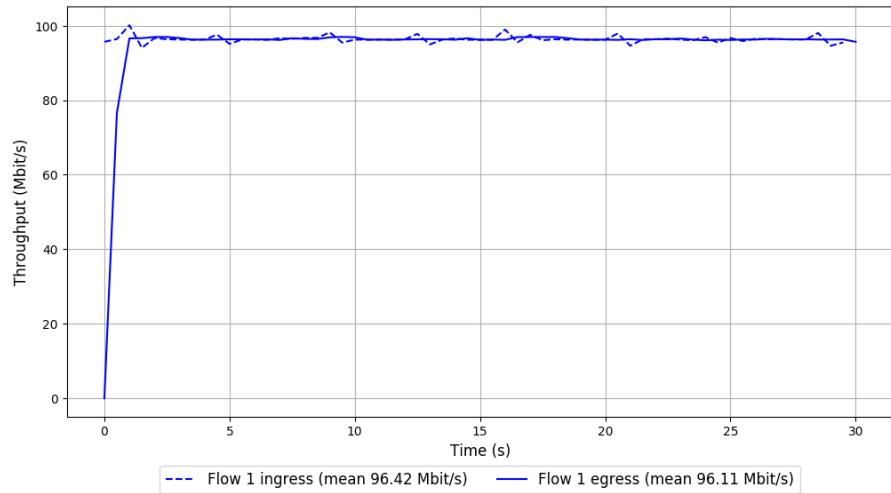


Run 2: Statistics of FillP

```
Start at: 2019-01-24 14:55:48
End at: 2019-01-24 14:56:18
Local clock offset: -8.01 ms
Remote clock offset: -1.417 ms

# Below is generated by plot.py at 2019-01-24 16:21:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 9.031 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 96.11 Mbit/s
95th percentile per-packet one-way delay: 9.031 ms
Loss rate: 0.32%
```

Run 2: Report of FillP — Data Link

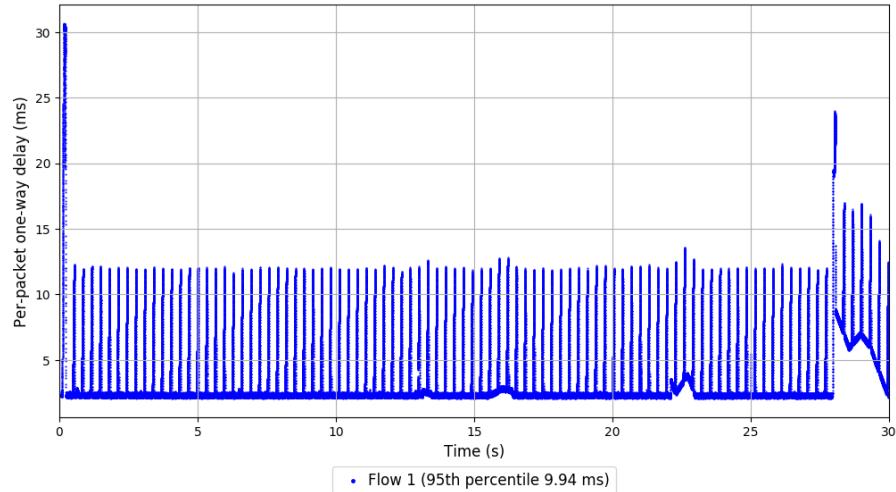
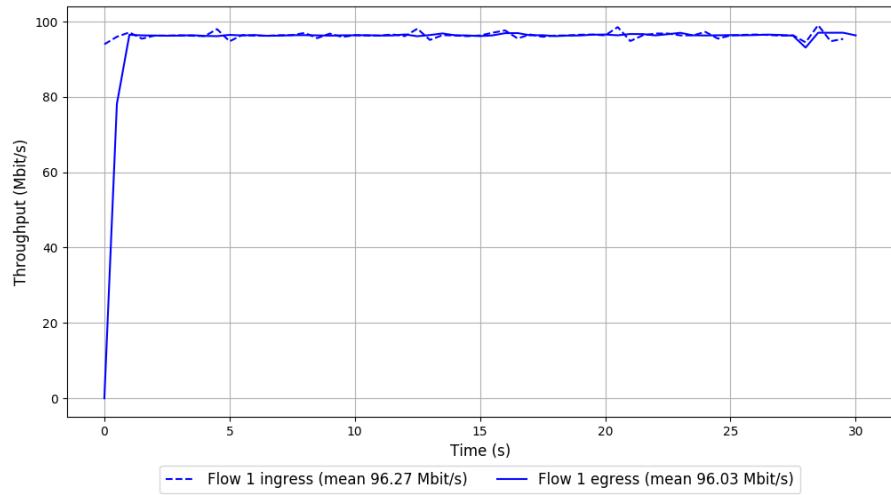


Run 3: Statistics of FillP

```
Start at: 2019-01-24 15:19:17
End at: 2019-01-24 15:19:47
Local clock offset: -8.053 ms
Remote clock offset: -1.131 ms

# Below is generated by plot.py at 2019-01-24 16:21:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 9.940 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 9.940 ms
Loss rate: 0.26%
```

Run 3: Report of FillP — Data Link

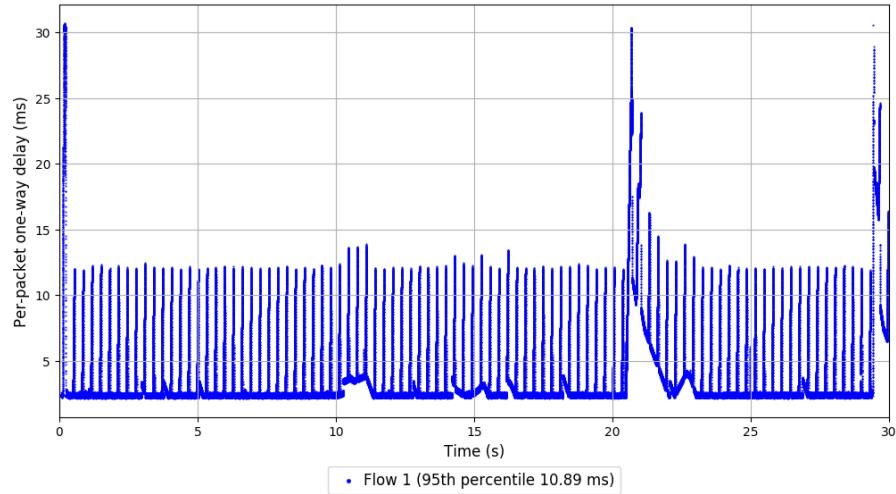
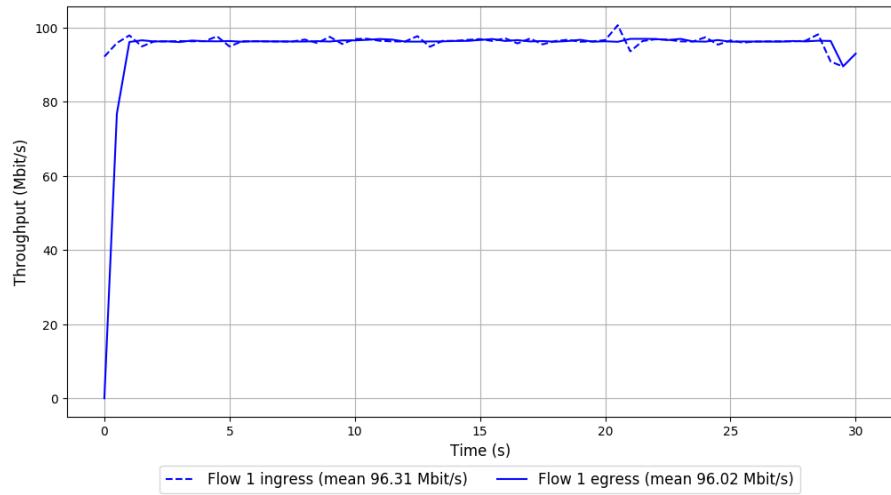


Run 4: Statistics of FillP

```
Start at: 2019-01-24 15:42:44
End at: 2019-01-24 15:43:14
Local clock offset: -6.788 ms
Remote clock offset: -0.912 ms

# Below is generated by plot.py at 2019-01-24 16:22:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 10.895 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 10.895 ms
Loss rate: 0.26%
```

Run 4: Report of FillP — Data Link

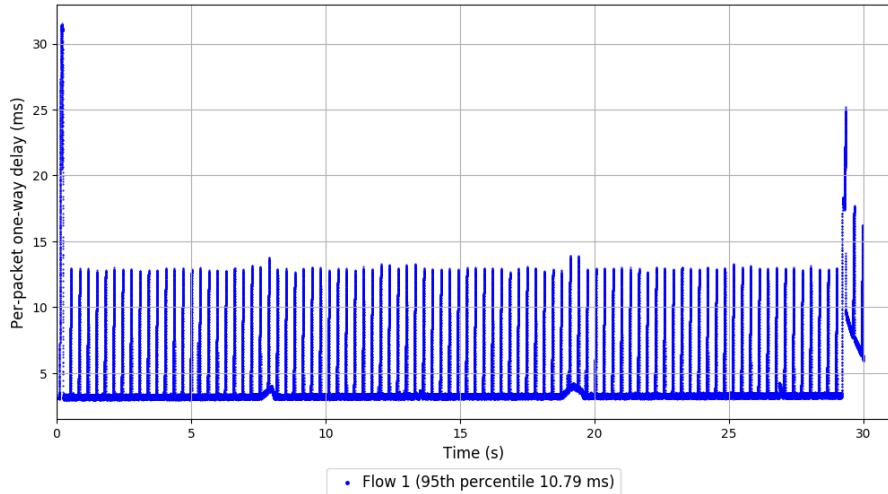
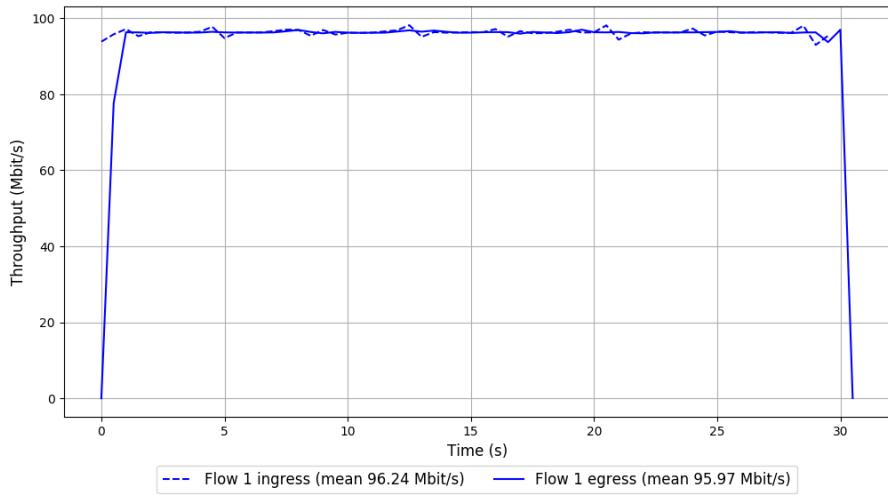


Run 5: Statistics of FillP

```
Start at: 2019-01-24 16:06:12
End at: 2019-01-24 16:06:42
Local clock offset: -4.68 ms
Remote clock offset: -0.714 ms

# Below is generated by plot.py at 2019-01-24 16:22:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 10.788 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 10.788 ms
Loss rate: 0.26%
```

Run 5: Report of FillP — Data Link

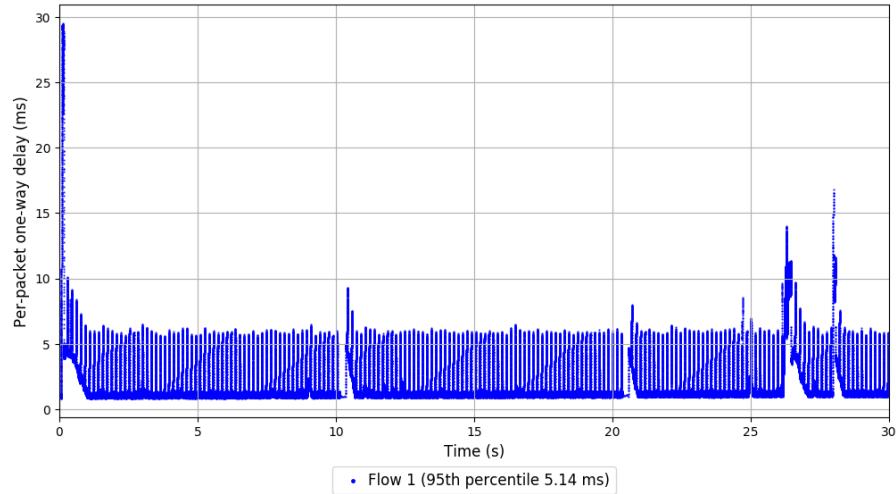
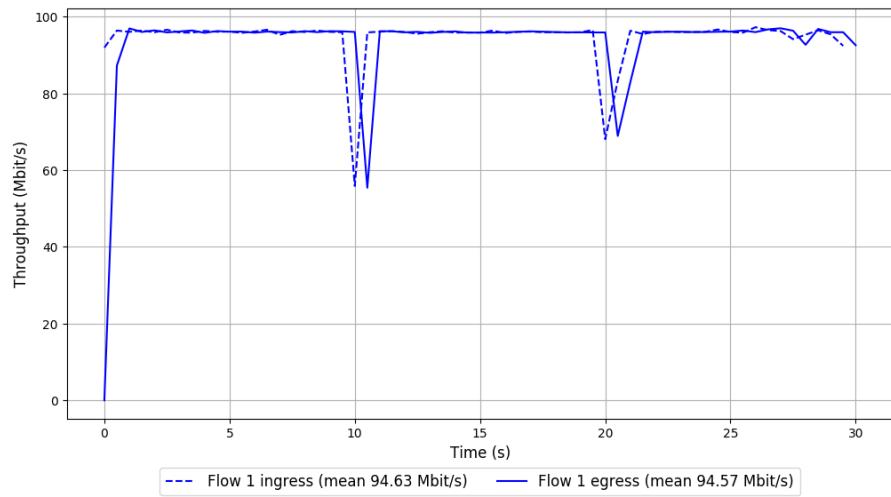


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-01-24 14:36:48
End at: 2019-01-24 14:37:18
Local clock offset: -9.276 ms
Remote clock offset: -1.131 ms

# Below is generated by plot.py at 2019-01-24 16:22:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 5.138 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 5.138 ms
Loss rate: 0.07%
```

Run 1: Report of FillP-Sheep — Data Link

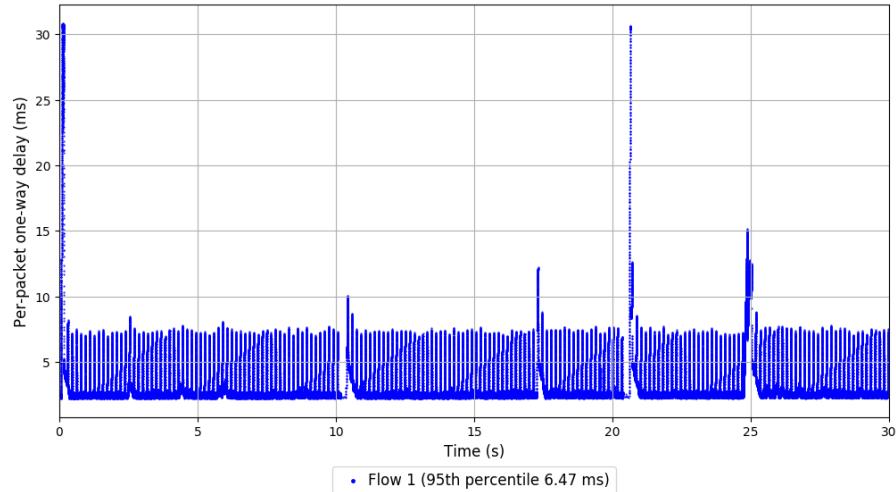
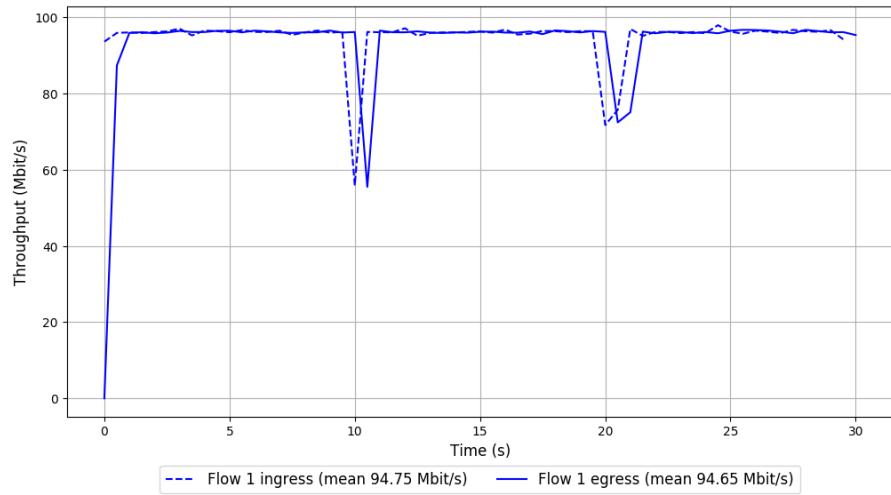


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-01-24 15:00:18
End at: 2019-01-24 15:00:48
Local clock offset: -8.188 ms
Remote clock offset: -1.257 ms

# Below is generated by plot.py at 2019-01-24 16:22:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.65 Mbit/s
95th percentile per-packet one-way delay: 6.472 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 94.65 Mbit/s
95th percentile per-packet one-way delay: 6.472 ms
Loss rate: 0.10%
```

Run 2: Report of FillP-Sheep — Data Link

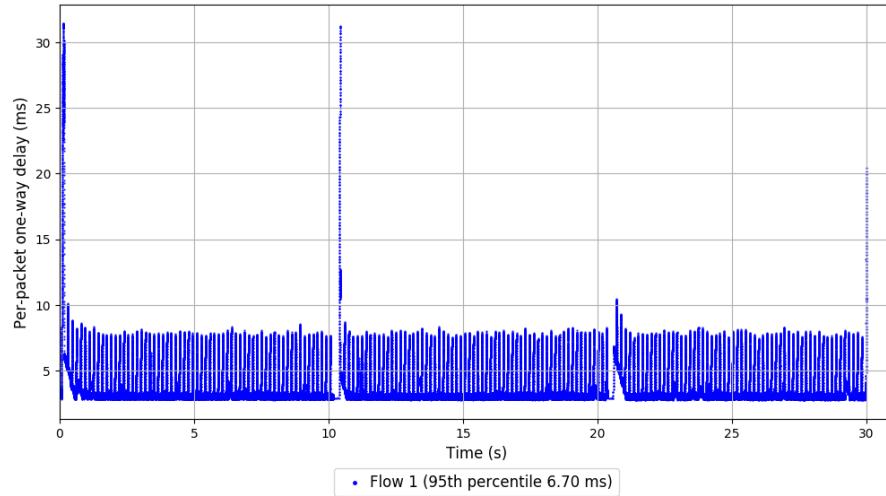
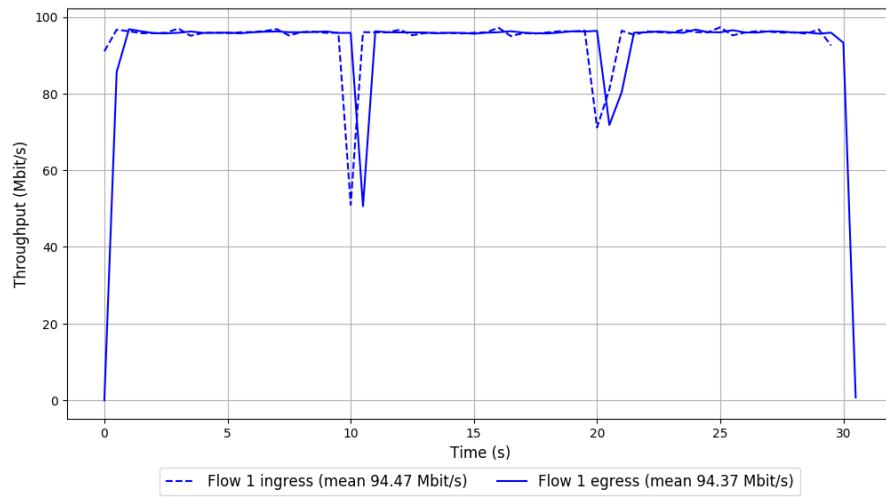


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-01-24 15:23:46
End at: 2019-01-24 15:24:16
Local clock offset: -9.037 ms
Remote clock offset: -1.15 ms

# Below is generated by plot.py at 2019-01-24 16:22:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 6.704 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 6.704 ms
Loss rate: 0.09%
```

Run 3: Report of FillP-Sheep — Data Link

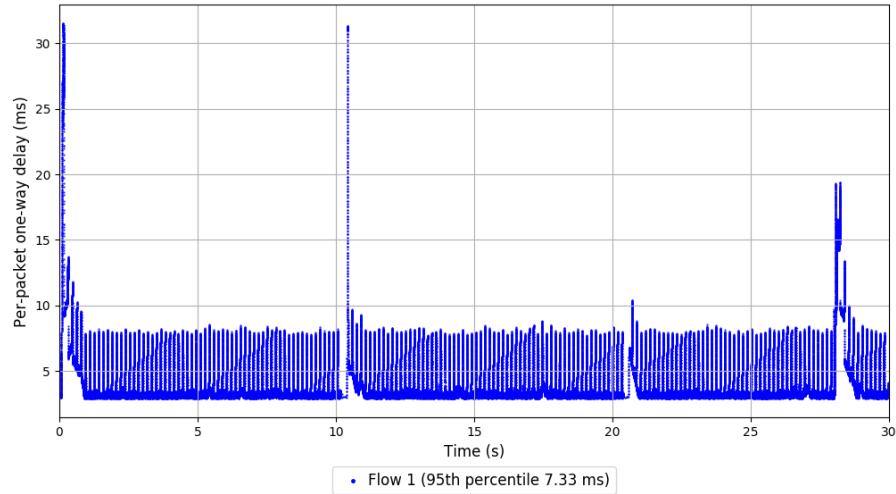
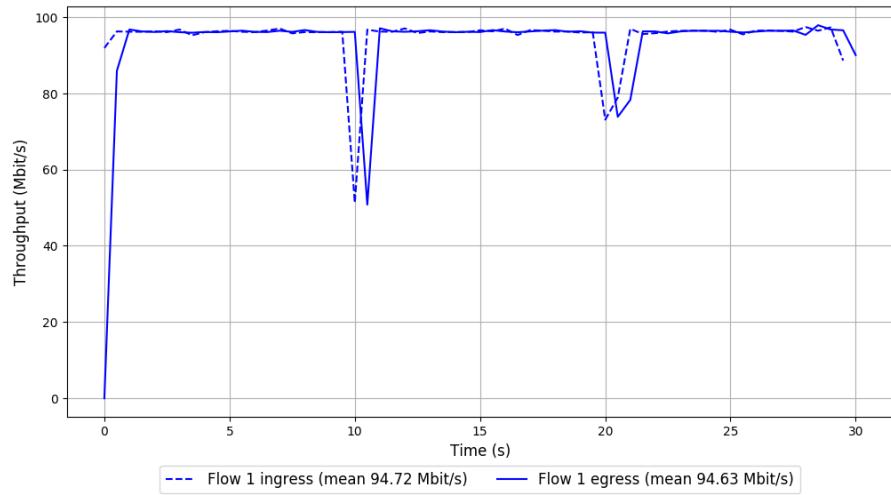


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-01-24 15:47:13
End at: 2019-01-24 15:47:43
Local clock offset: -7.325 ms
Remote clock offset: -0.822 ms

# Below is generated by plot.py at 2019-01-24 16:23:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 7.326 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.63 Mbit/s
95th percentile per-packet one-way delay: 7.326 ms
Loss rate: 0.09%
```

Run 4: Report of FillP-Sheep — Data Link

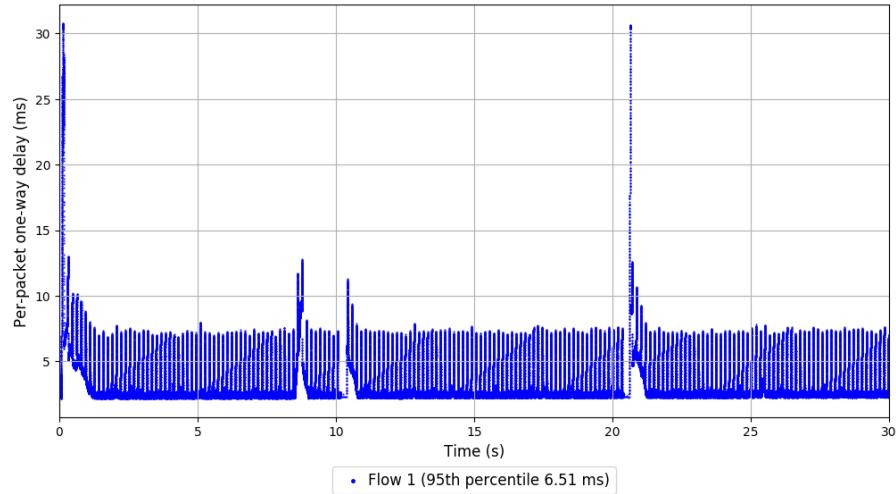
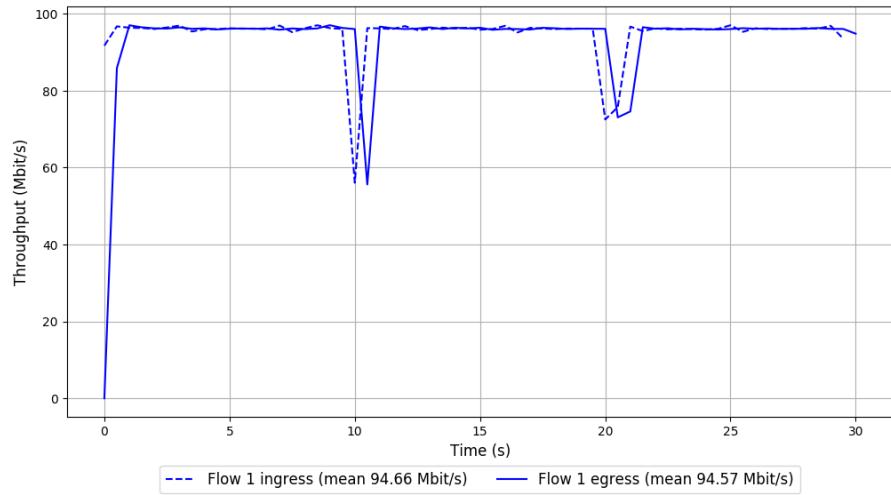


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-01-24 16:10:41
End at: 2019-01-24 16:11:11
Local clock offset: -2.861 ms
Remote clock offset: -0.66 ms

# Below is generated by plot.py at 2019-01-24 16:23:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 6.511 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.57 Mbit/s
95th percentile per-packet one-way delay: 6.511 ms
Loss rate: 0.09%
```

Run 5: Report of FillP-Sheep — Data Link

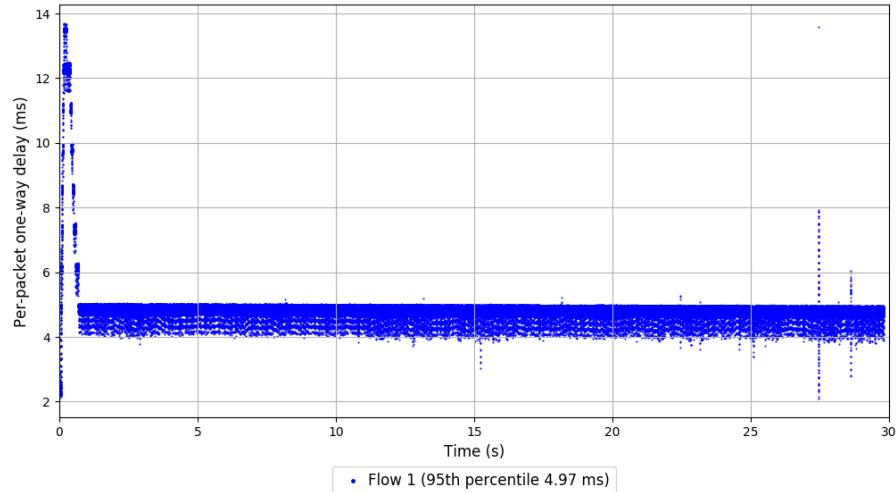
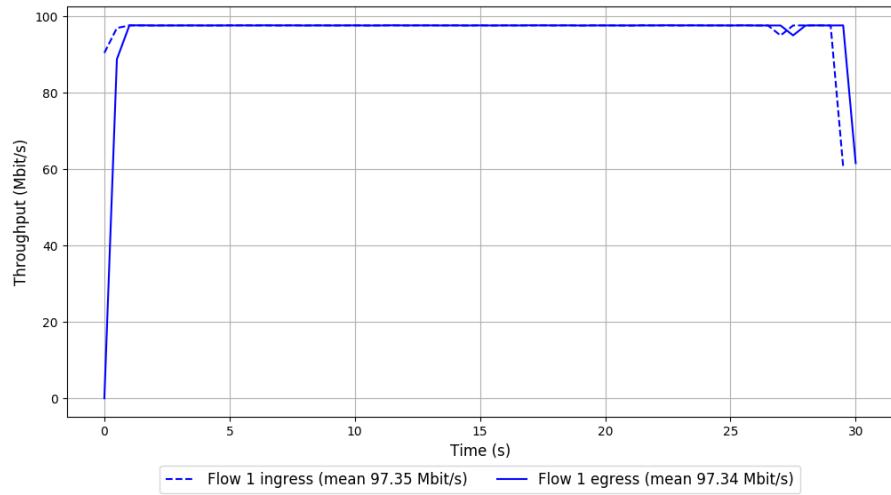


Run 1: Statistics of Indigo

```
Start at: 2019-01-24 14:27:51
End at: 2019-01-24 14:28:21
Local clock offset: -12.251 ms
Remote clock offset: -1.05 ms

# Below is generated by plot.py at 2019-01-24 16:23:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 4.969 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 4.969 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

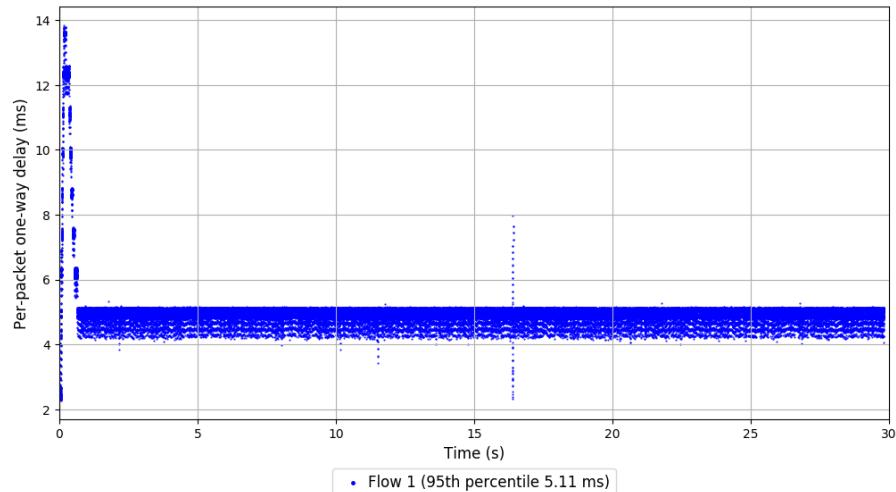
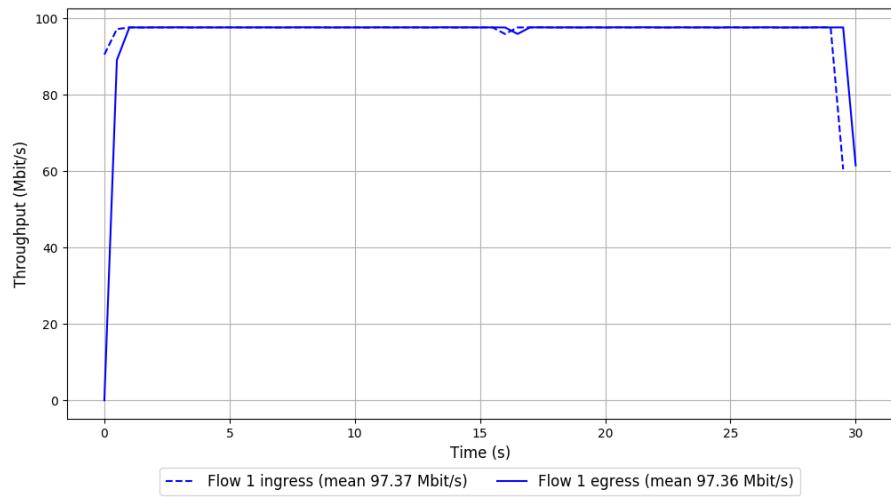


Run 2: Statistics of Indigo

```
Start at: 2019-01-24 14:51:20
End at: 2019-01-24 14:51:50
Local clock offset: -7.867 ms
Remote clock offset: -1.253 ms

# Below is generated by plot.py at 2019-01-24 16:23:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 5.110 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.36 Mbit/s
95th percentile per-packet one-way delay: 5.110 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo — Data Link

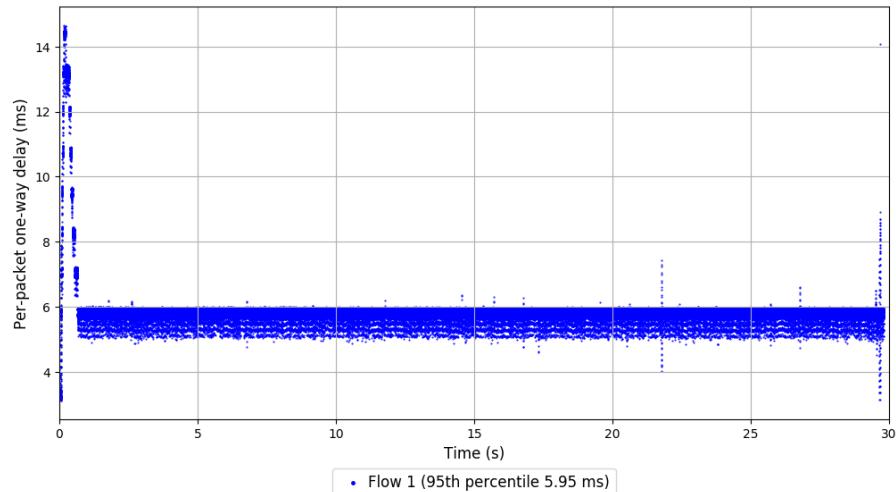
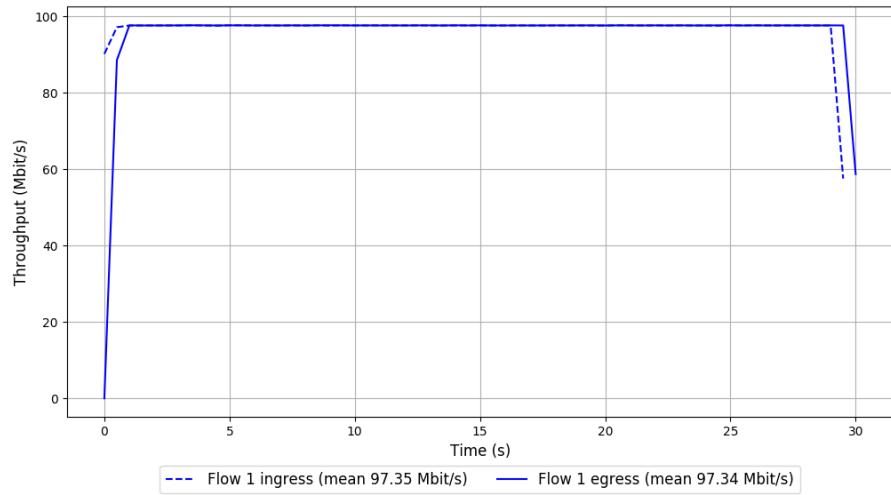


Run 3: Statistics of Indigo

```
Start at: 2019-01-24 15:14:49
End at: 2019-01-24 15:15:19
Local clock offset: -8.707 ms
Remote clock offset: -1.106 ms

# Below is generated by plot.py at 2019-01-24 16:23:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 5.948 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 5.948 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link

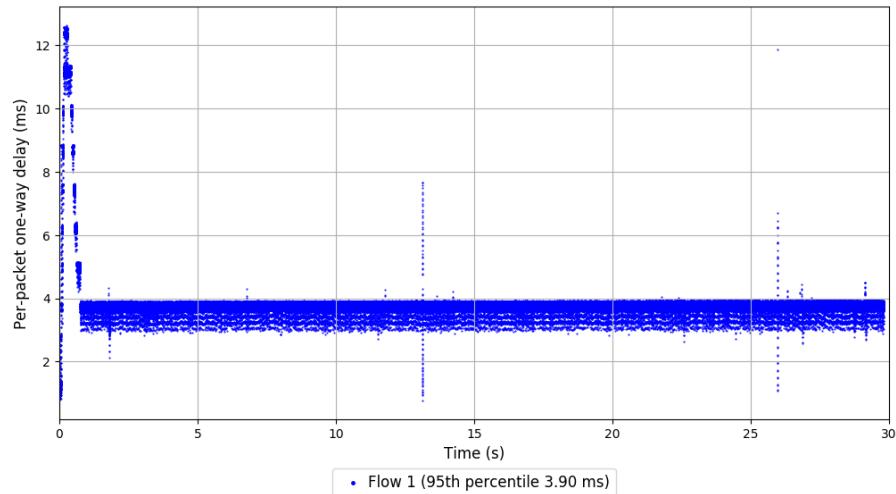
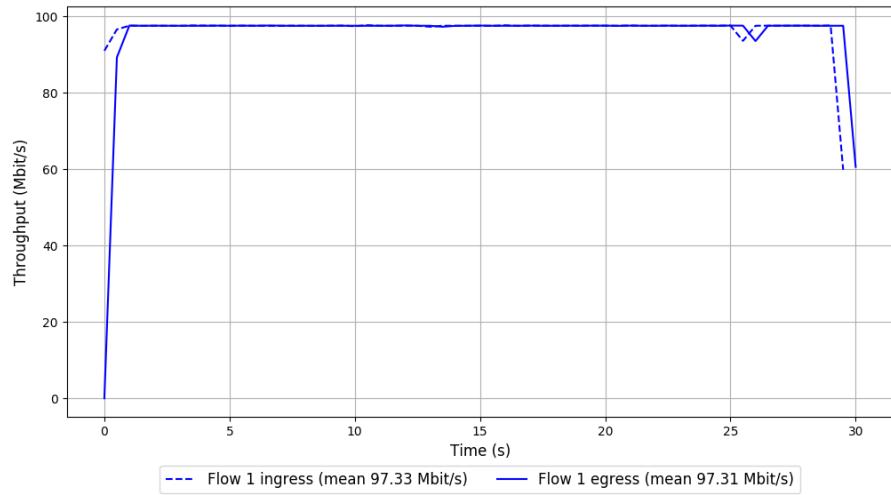


Run 4: Statistics of Indigo

```
Start at: 2019-01-24 15:38:16
End at: 2019-01-24 15:38:46
Local clock offset: -7.076 ms
Remote clock offset: -0.949 ms

# Below is generated by plot.py at 2019-01-24 16:23:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 3.899 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 3.899 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo — Data Link

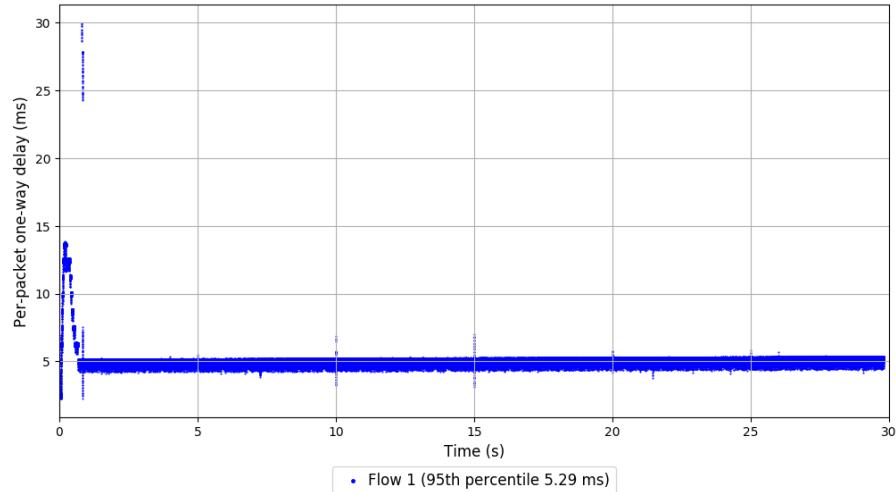
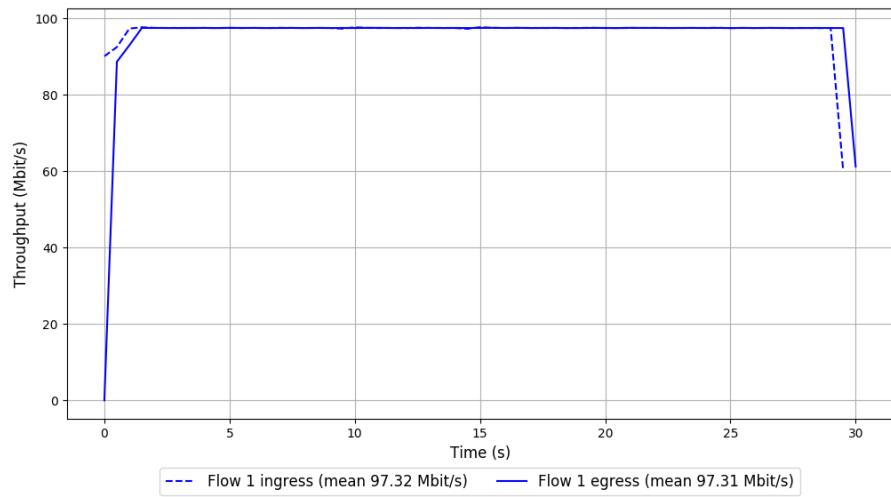


Run 5: Statistics of Indigo

```
Start at: 2019-01-24 16:01:44
End at: 2019-01-24 16:02:15
Local clock offset: -5.505 ms
Remote clock offset: -0.797 ms

# Below is generated by plot.py at 2019-01-24 16:24:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 5.285 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.31 Mbit/s
95th percentile per-packet one-way delay: 5.285 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

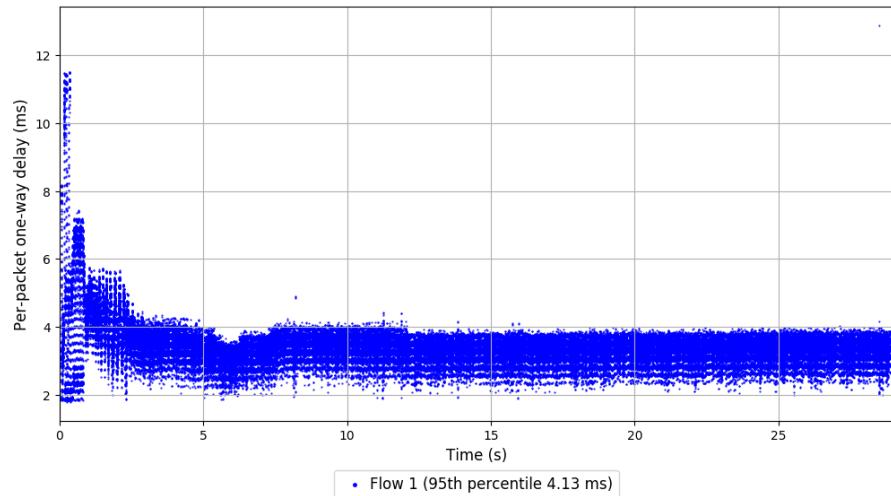
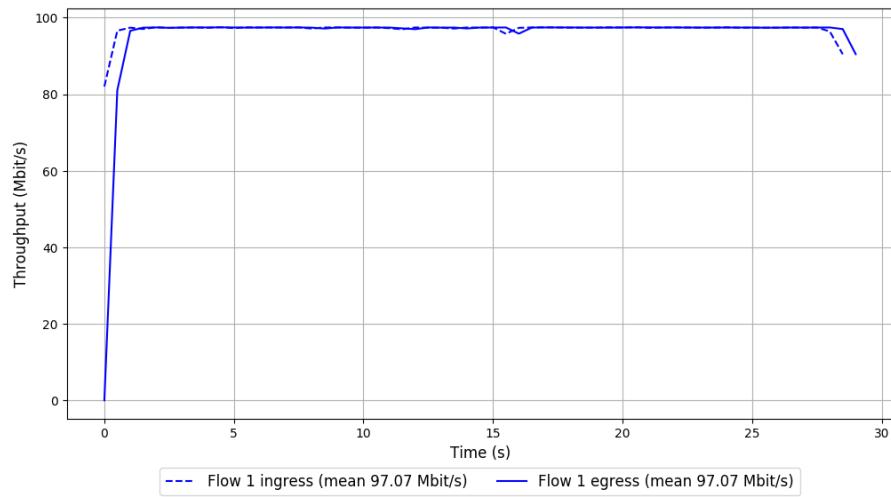


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-01-24 14:35:40
End at: 2019-01-24 14:36:10
Local clock offset: -10.469 ms
Remote clock offset: -1.13 ms

# Below is generated by plot.py at 2019-01-24 16:24:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.07 Mbit/s
95th percentile per-packet one-way delay: 4.130 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.07 Mbit/s
95th percentile per-packet one-way delay: 4.130 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesC3 — Data Link

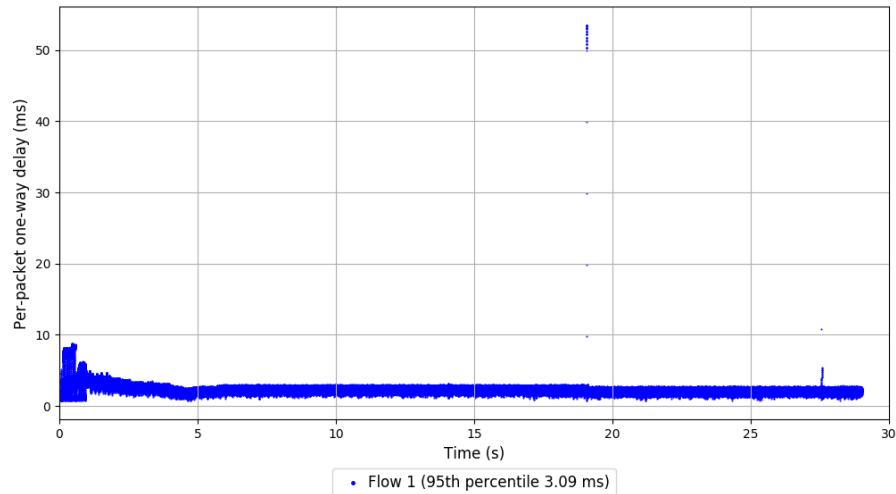
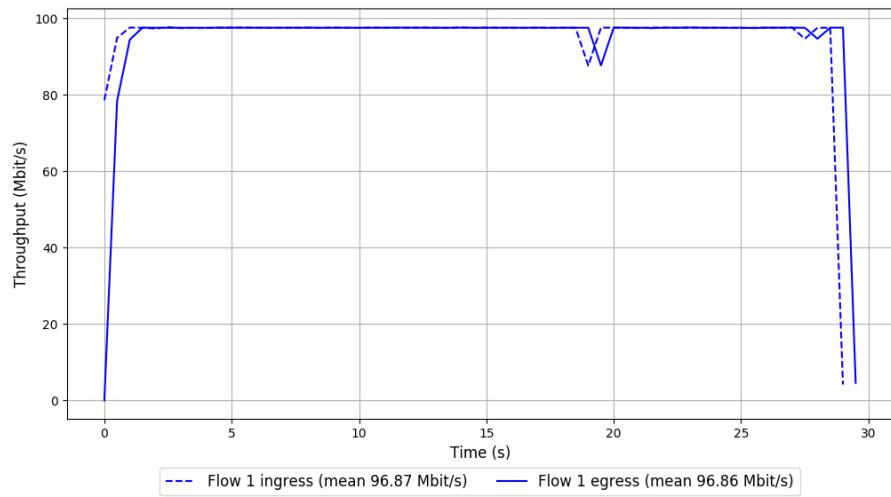


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-01-24 14:59:10
End at: 2019-01-24 14:59:40
Local clock offset: -8.153 ms
Remote clock offset: -1.294 ms

# Below is generated by plot.py at 2019-01-24 16:24:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 3.094 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.86 Mbit/s
95th percentile per-packet one-way delay: 3.094 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-MusesC3 — Data Link

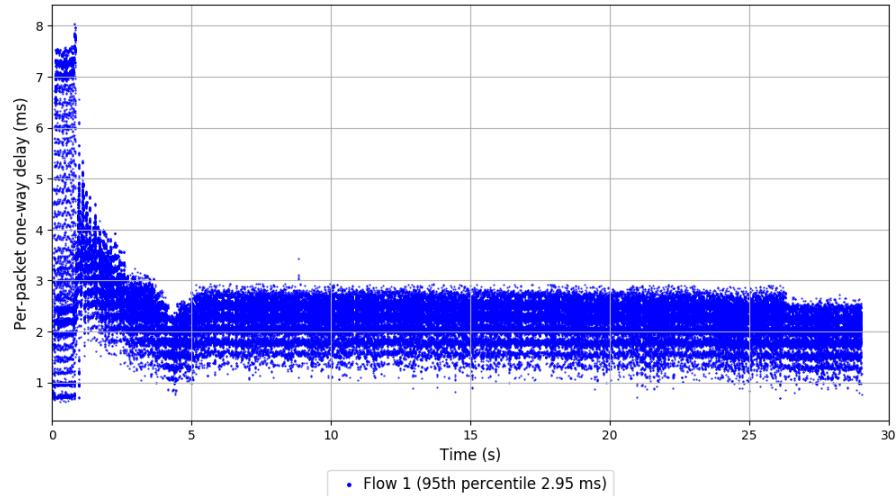
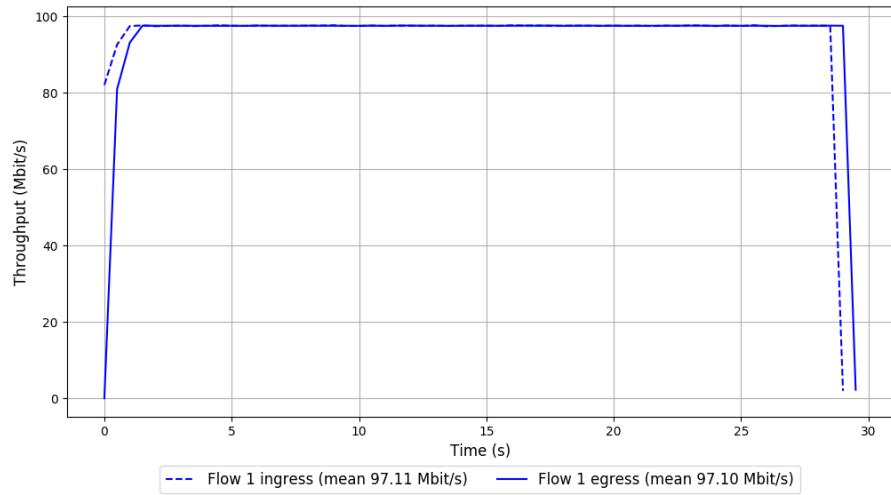


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-01-24 15:22:38
End at: 2019-01-24 15:23:08
Local clock offset: -8.197 ms
Remote clock offset: -1.204 ms

# Below is generated by plot.py at 2019-01-24 16:24:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 2.950 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.10 Mbit/s
95th percentile per-packet one-way delay: 2.950 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-MusesC3 — Data Link

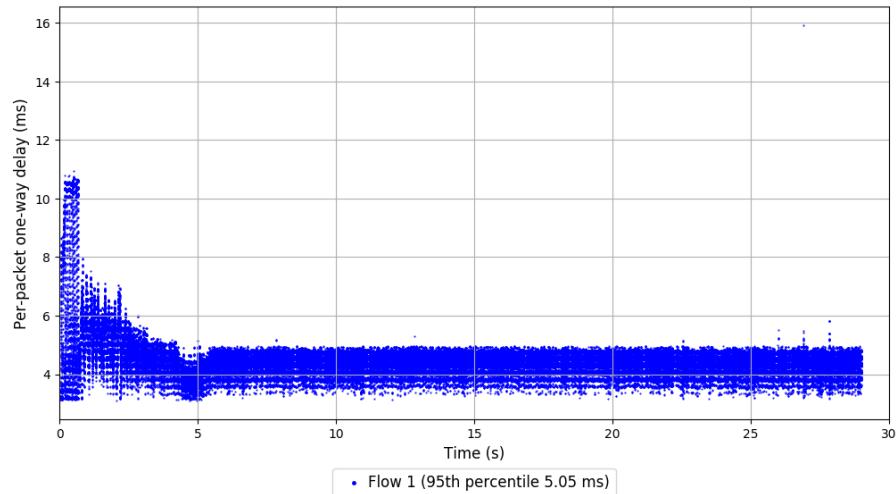
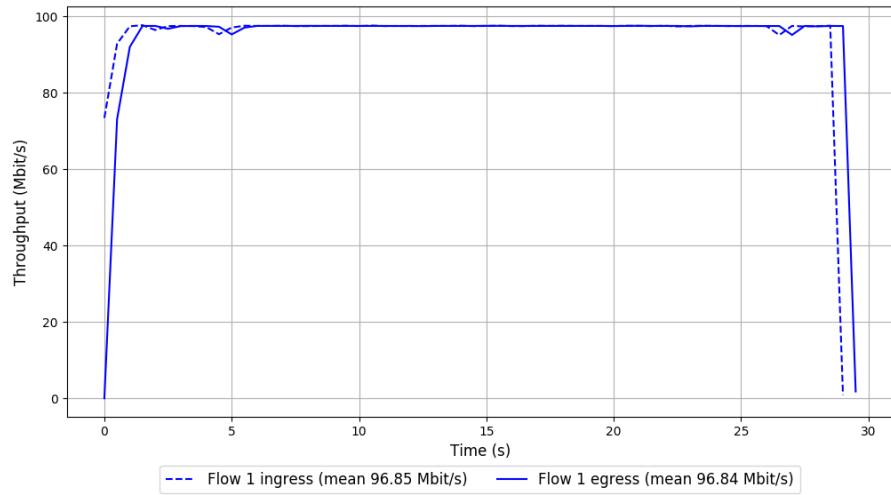


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-01-24 15:46:05
End at: 2019-01-24 15:46:35
Local clock offset: -7.415 ms
Remote clock offset: -0.799 ms

# Below is generated by plot.py at 2019-01-24 16:24:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 5.051 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.84 Mbit/s
95th percentile per-packet one-way delay: 5.051 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-MusesC3 — Data Link

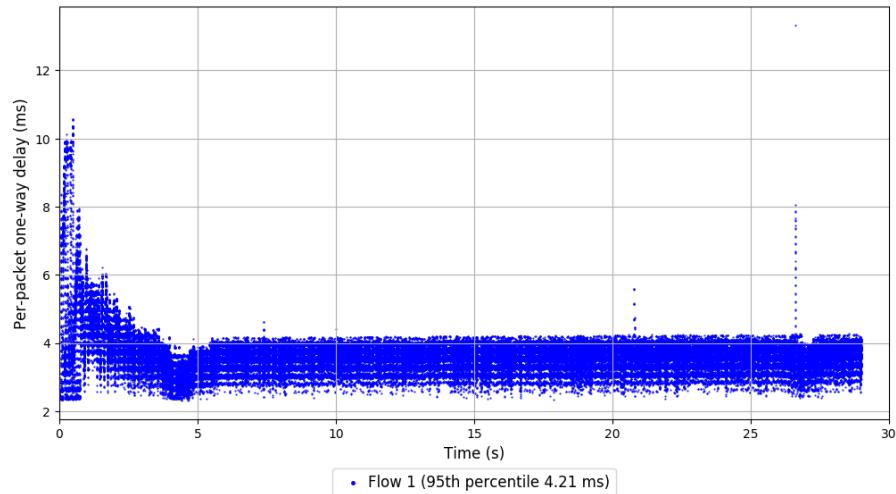
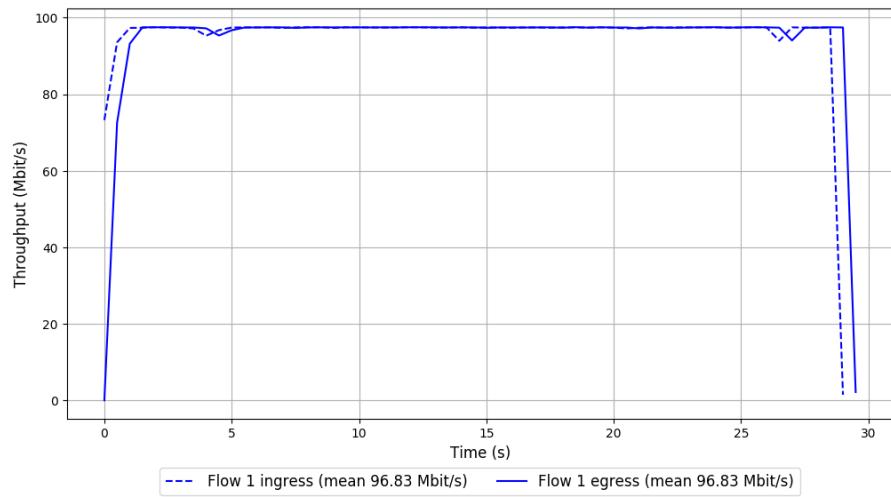


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-01-24 16:09:33
End at: 2019-01-24 16:10:03
Local clock offset: -3.077 ms
Remote clock offset: -0.632 ms

# Below is generated by plot.py at 2019-01-24 16:24:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 4.213 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.83 Mbit/s
95th percentile per-packet one-way delay: 4.213 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-MusesC3 — Data Link

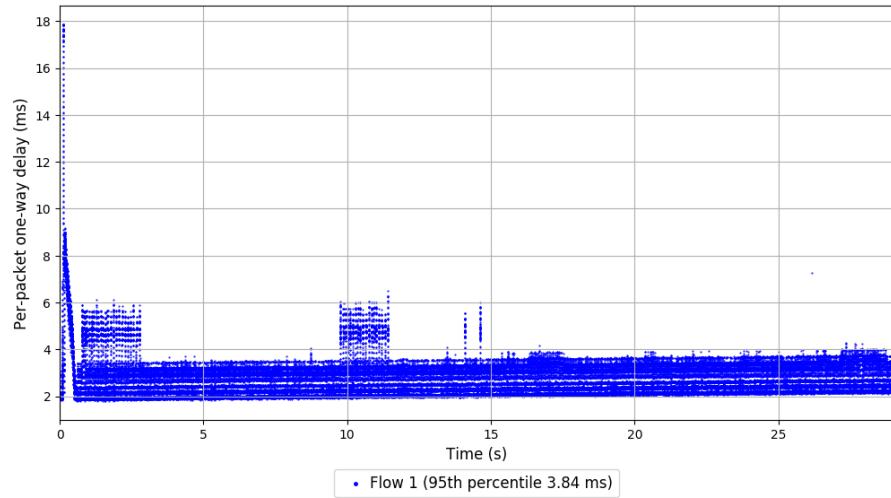
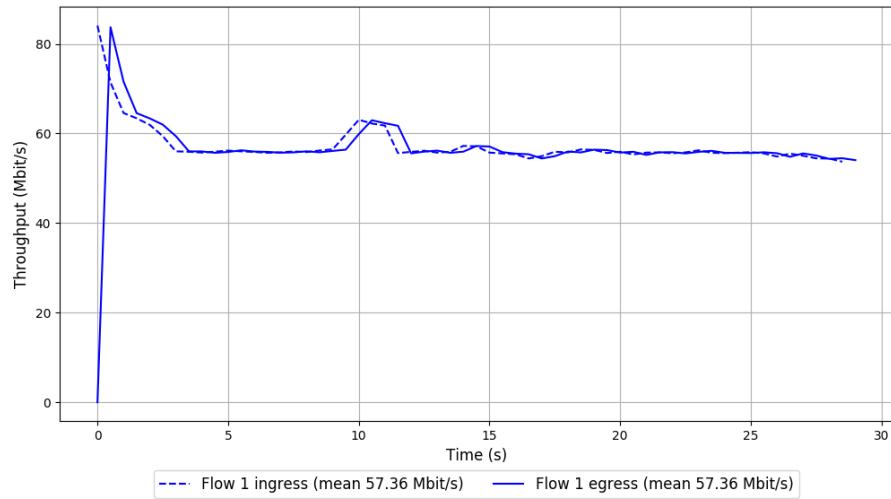


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-01-24 14:30:04
End at: 2019-01-24 14:30:34
Local clock offset: -13.191 ms
Remote clock offset: -1.082 ms

# Below is generated by plot.py at 2019-01-24 16:24:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.36 Mbit/s
95th percentile per-packet one-way delay: 3.837 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.36 Mbit/s
95th percentile per-packet one-way delay: 3.837 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesC5 — Data Link

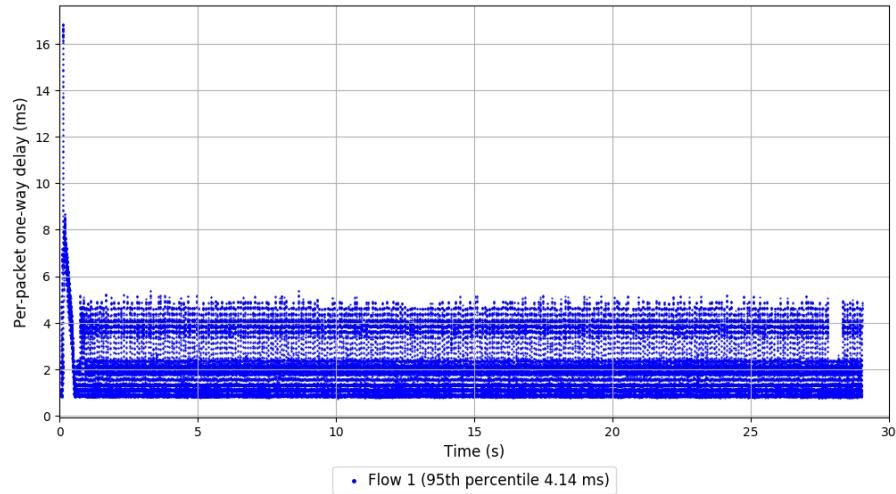
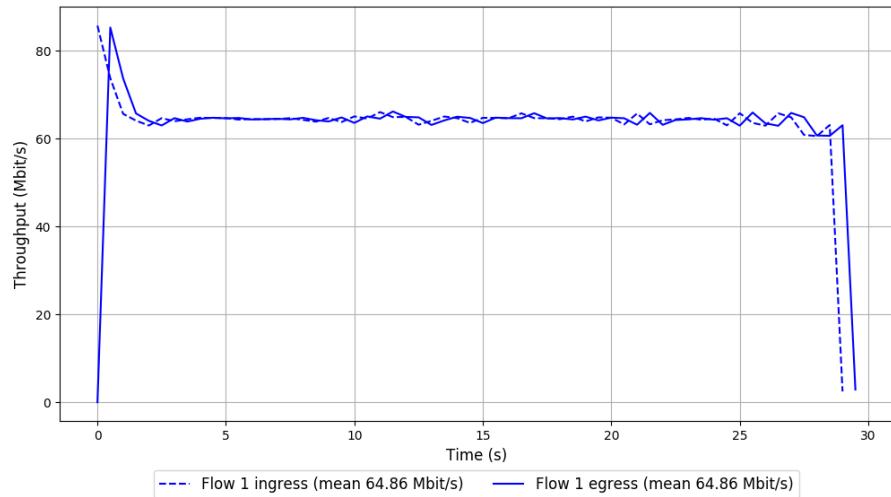


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-01-24 14:53:34
End at: 2019-01-24 14:54:04
Local clock offset: -7.922 ms
Remote clock offset: -1.302 ms

# Below is generated by plot.py at 2019-01-24 16:24:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.86 Mbit/s
95th percentile per-packet one-way delay: 4.142 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.86 Mbit/s
95th percentile per-packet one-way delay: 4.142 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-MusesC5 — Data Link

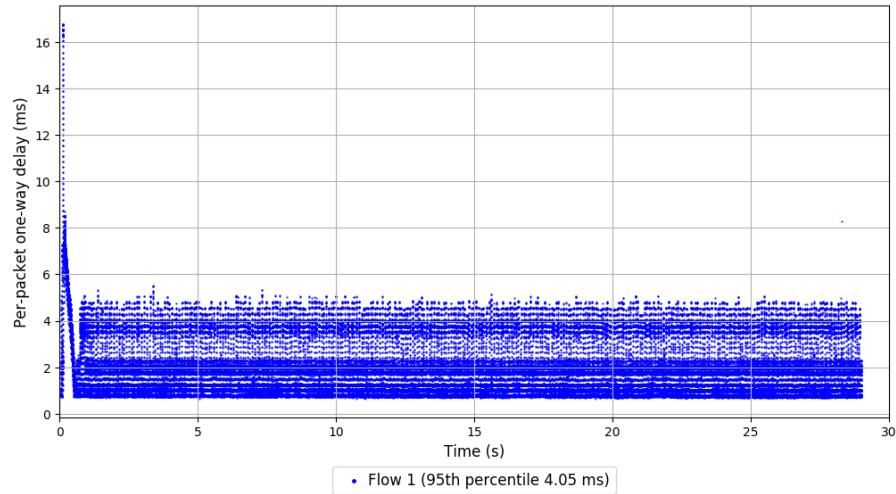
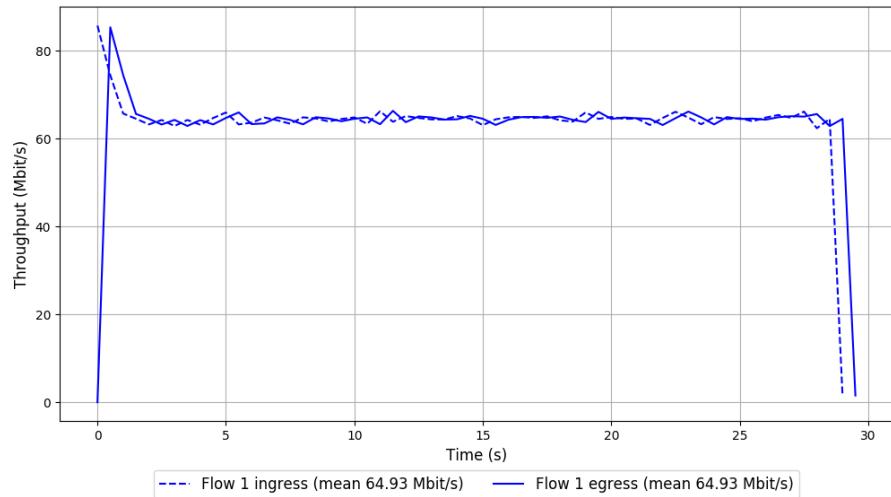


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-01-24 15:17:03
End at: 2019-01-24 15:17:33
Local clock offset: -7.954 ms
Remote clock offset: -1.201 ms

# Below is generated by plot.py at 2019-01-24 16:24:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.93 Mbit/s
95th percentile per-packet one-way delay: 4.046 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.93 Mbit/s
95th percentile per-packet one-way delay: 4.046 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-MusesC5 — Data Link

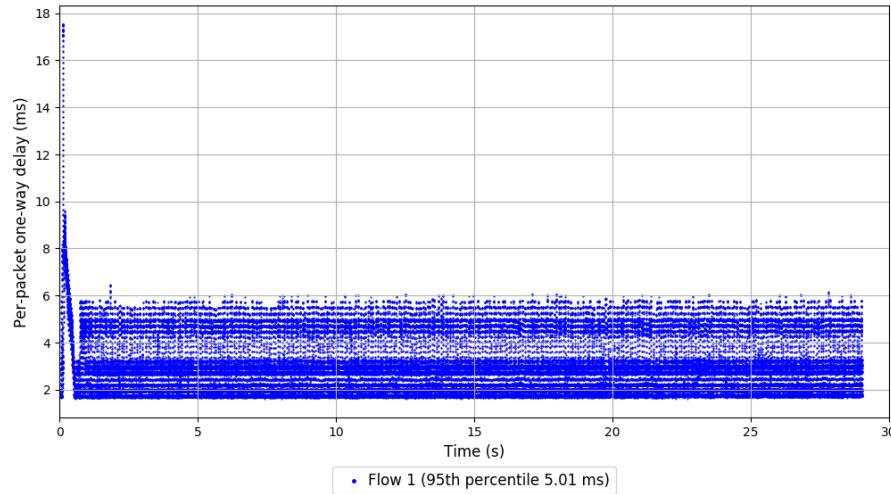
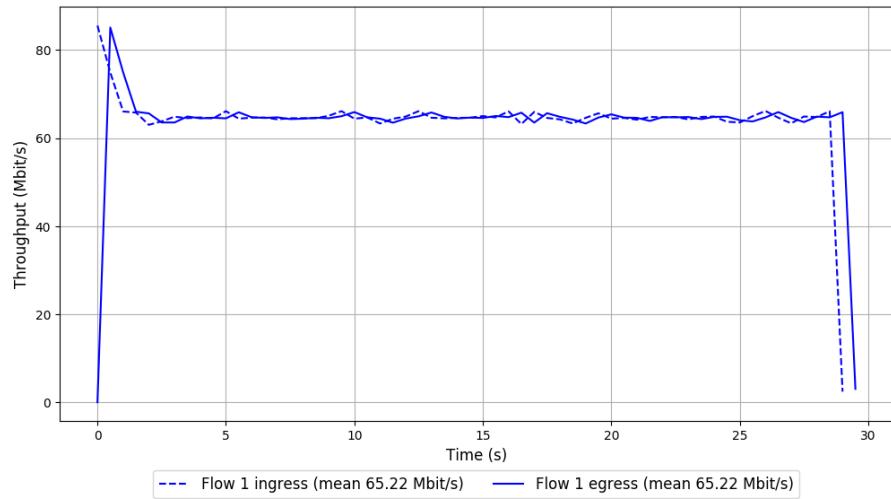


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-01-24 15:40:29
End at: 2019-01-24 15:40:59
Local clock offset: -7.637 ms
Remote clock offset: -0.846 ms

# Below is generated by plot.py at 2019-01-24 16:24:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.22 Mbit/s
95th percentile per-packet one-way delay: 5.007 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.22 Mbit/s
95th percentile per-packet one-way delay: 5.007 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-MusesC5 — Data Link

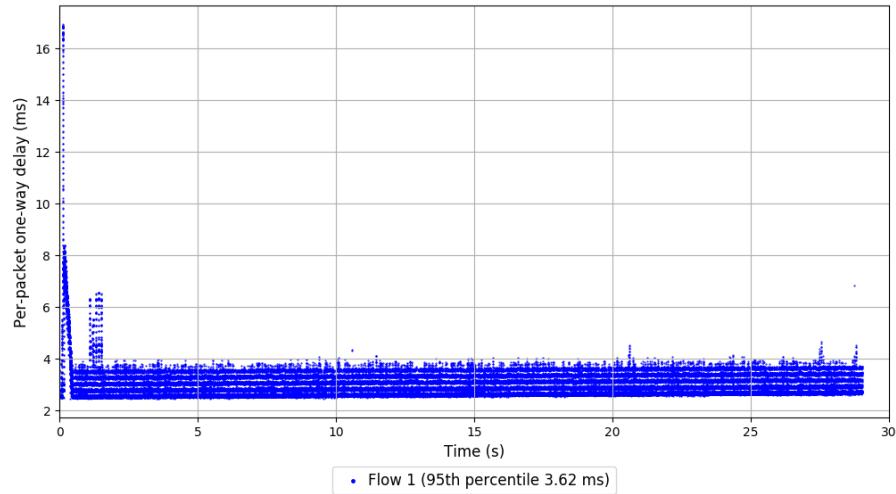
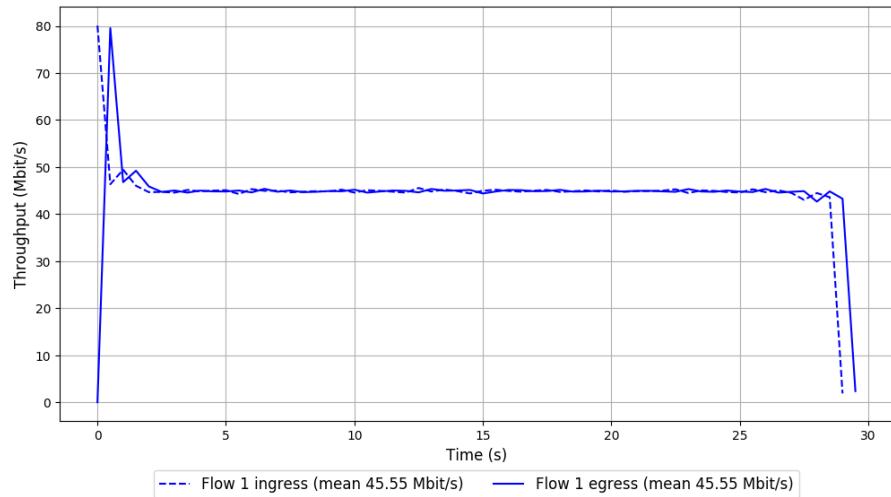


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-01-24 16:03:58
End at: 2019-01-24 16:04:28
Local clock offset: -4.662 ms
Remote clock offset: -0.673 ms

# Below is generated by plot.py at 2019-01-24 16:24:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.55 Mbit/s
95th percentile per-packet one-way delay: 3.624 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.55 Mbit/s
95th percentile per-packet one-way delay: 3.624 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-MusesC5 — Data Link

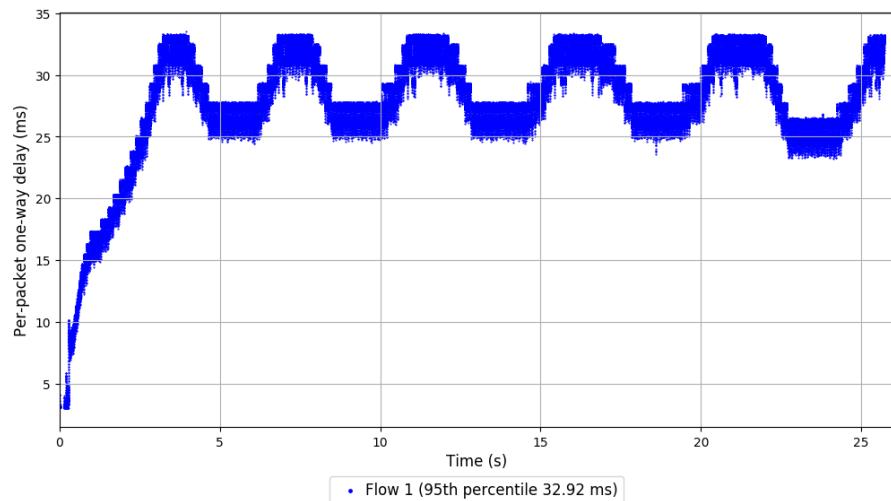
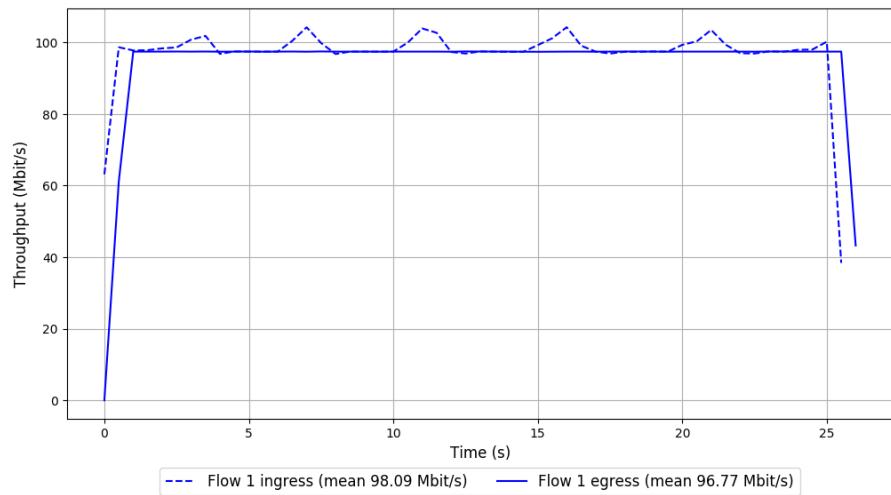


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-01-24 14:21:07
End at: 2019-01-24 14:21:37
Local clock offset: -12.167 ms
Remote clock offset: -0.89 ms

# Below is generated by plot.py at 2019-01-24 16:25:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 32.925 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 96.77 Mbit/s
95th percentile per-packet one-way delay: 32.925 ms
Loss rate: 1.24%
```

Run 1: Report of Indigo-MusesD — Data Link

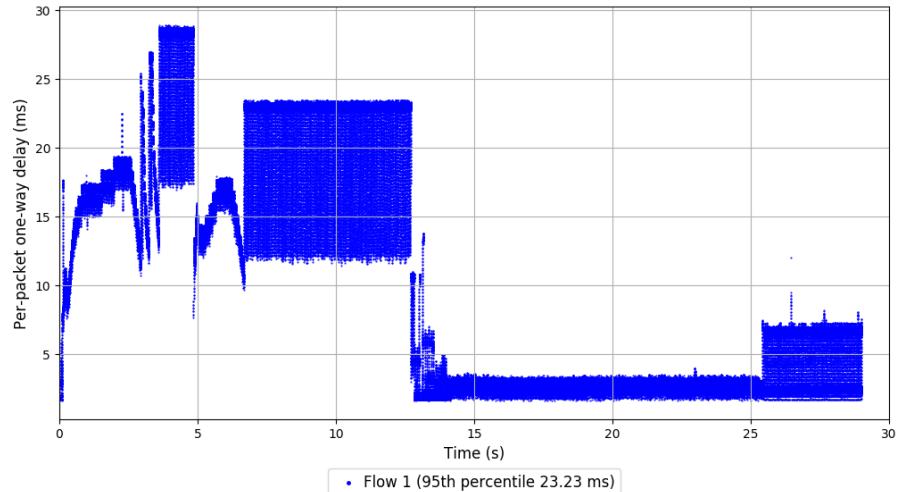
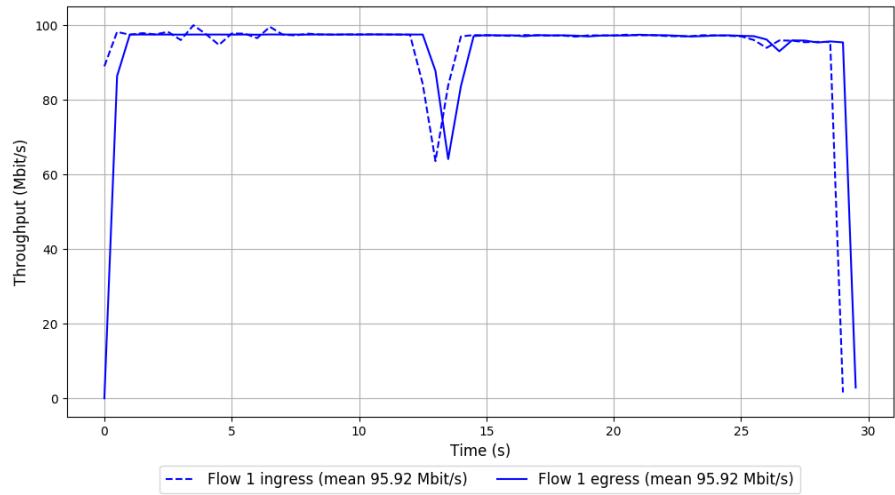


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-01-24 14:44:35
End at: 2019-01-24 14:45:05
Local clock offset: -8.775 ms
Remote clock offset: -1.18 ms

# Below is generated by plot.py at 2019-01-24 16:25:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 23.226 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 95.92 Mbit/s
95th percentile per-packet one-way delay: 23.226 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-MusesD — Data Link

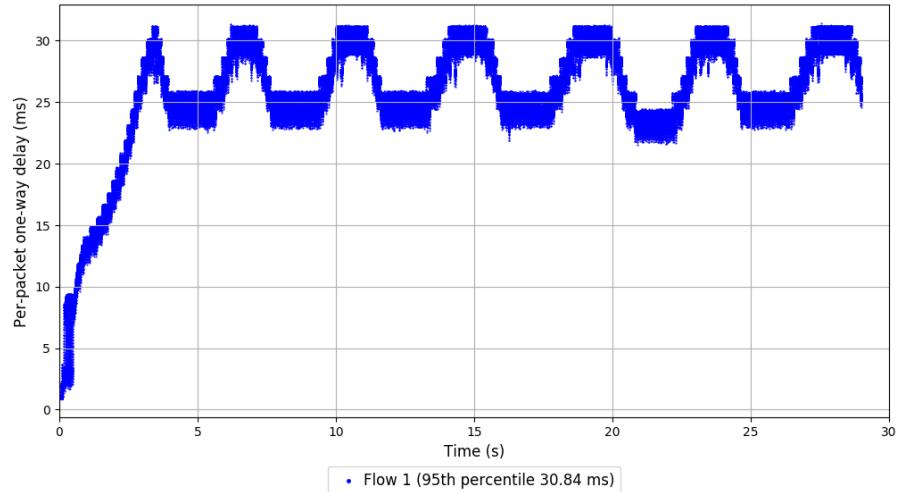
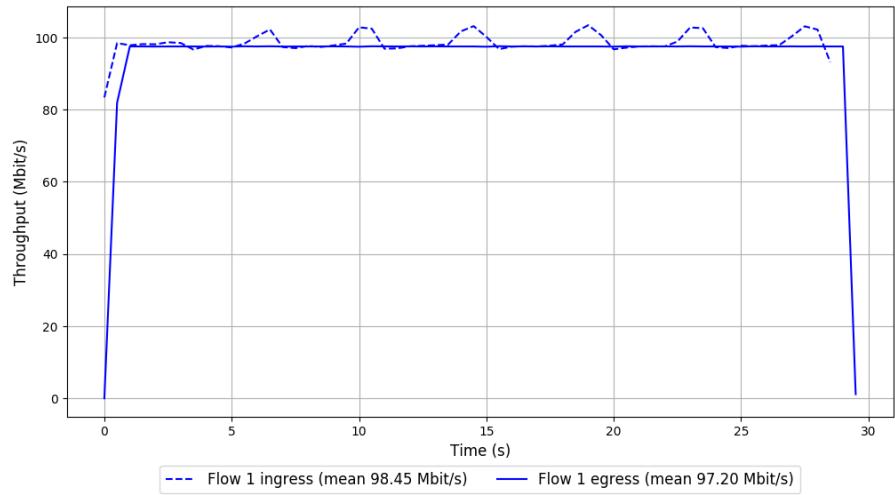


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-01-24 15:08:04
End at: 2019-01-24 15:08:34
Local clock offset: -7.862 ms
Remote clock offset: -1.199 ms

# Below is generated by plot.py at 2019-01-24 16:25:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 30.840 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 97.20 Mbit/s
95th percentile per-packet one-way delay: 30.840 ms
Loss rate: 1.19%
```

Run 3: Report of Indigo-MusesD — Data Link

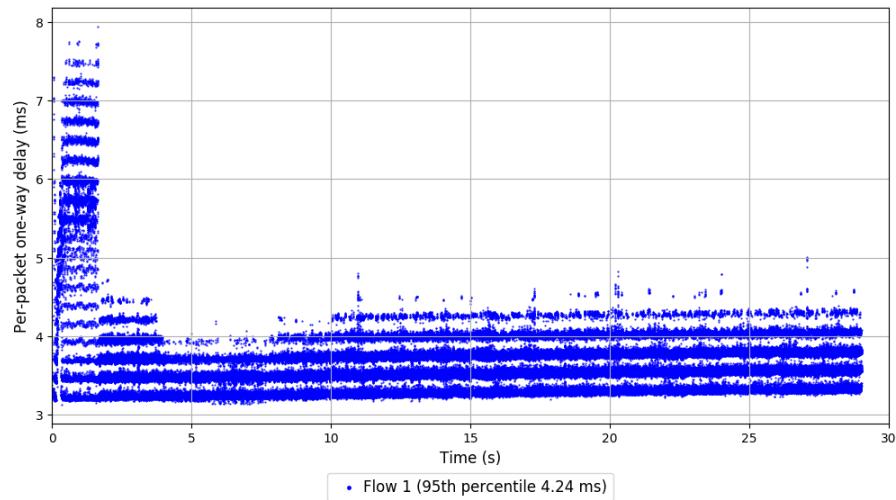
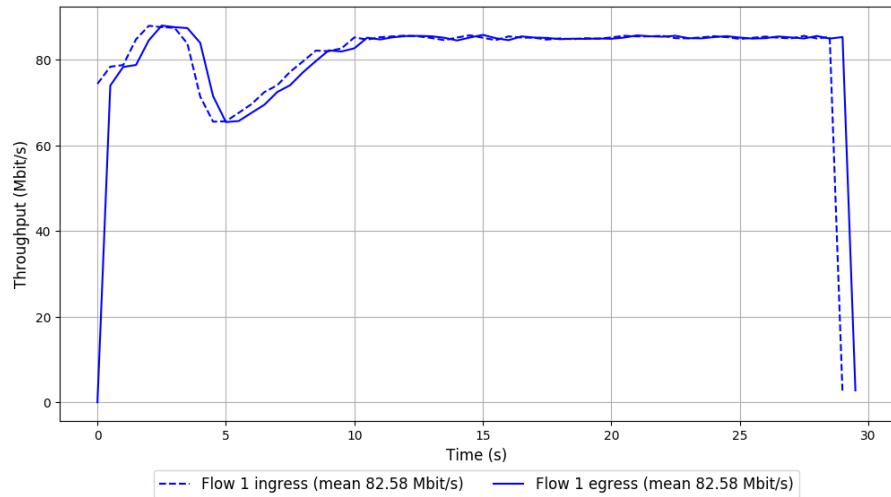


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-01-24 15:31:32
End at: 2019-01-24 15:32:02
Local clock offset: -8.91 ms
Remote clock offset: -0.959 ms

# Below is generated by plot.py at 2019-01-24 16:25:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.58 Mbit/s
95th percentile per-packet one-way delay: 4.244 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.58 Mbit/s
95th percentile per-packet one-way delay: 4.244 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-MusesD — Data Link

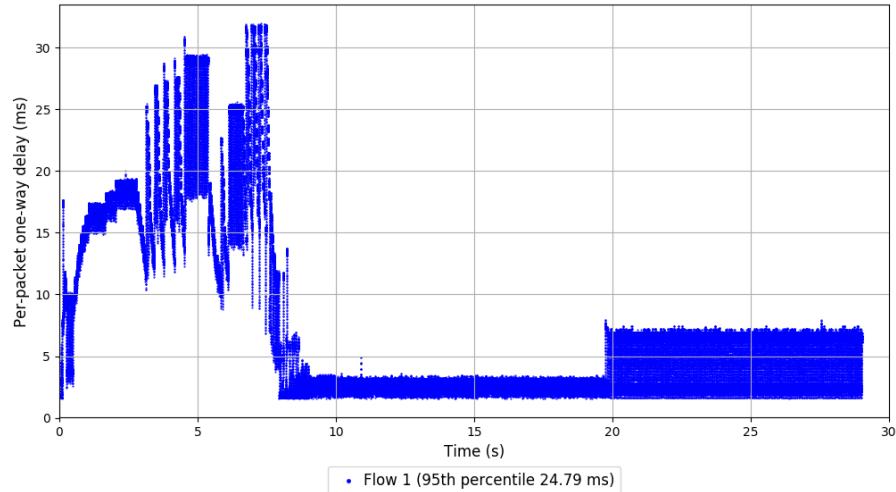
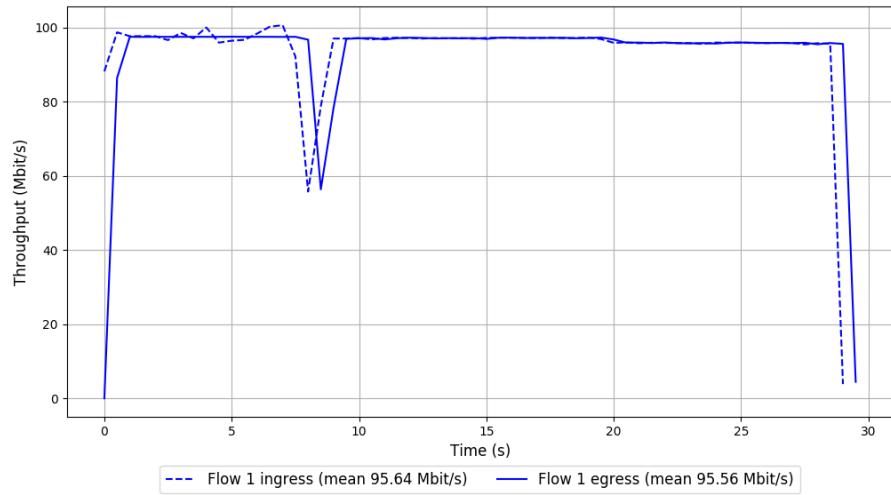


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-01-24 15:55:00
End at: 2019-01-24 15:55:30
Local clock offset: -7.31 ms
Remote clock offset: -0.754 ms

# Below is generated by plot.py at 2019-01-24 16:25:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 24.789 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 95.56 Mbit/s
95th percentile per-packet one-way delay: 24.789 ms
Loss rate: 0.07%
```

Run 5: Report of Indigo-MusesD — Data Link

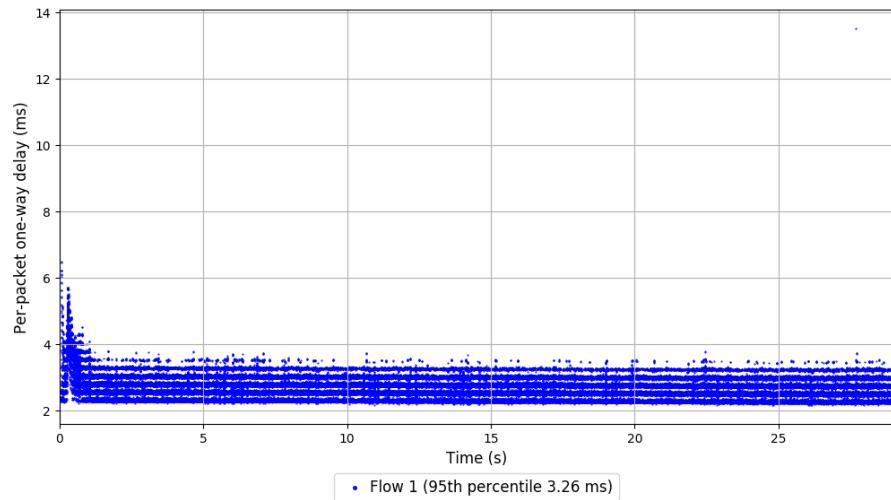
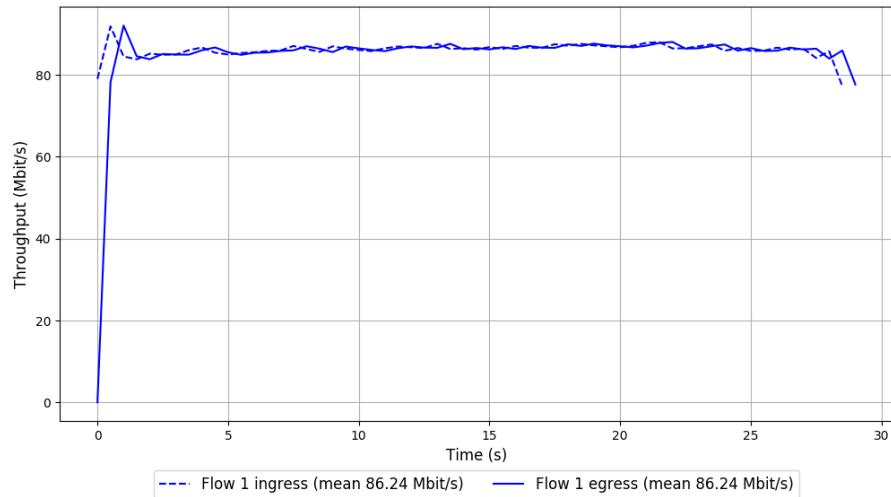


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-01-24 14:26:43
End at: 2019-01-24 14:27:13
Local clock offset: -12.078 ms
Remote clock offset: -0.938 ms

# Below is generated by plot.py at 2019-01-24 16:25:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.24 Mbit/s
95th percentile per-packet one-way delay: 3.262 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 86.24 Mbit/s
95th percentile per-packet one-way delay: 3.262 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesT — Data Link

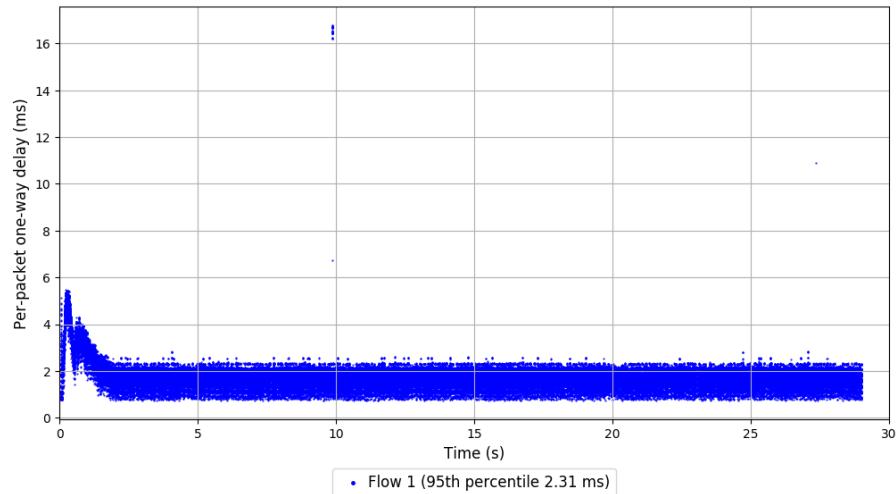
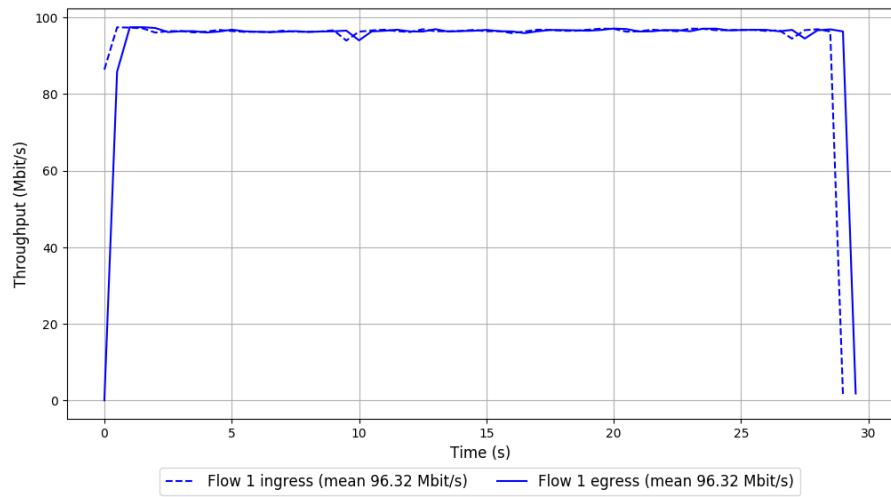


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-01-24 14:50:12
End at: 2019-01-24 14:50:42
Local clock offset: -7.848 ms
Remote clock offset: -1.287 ms

# Below is generated by plot.py at 2019-01-24 16:25:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 2.305 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 2.305 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-MusesT — Data Link

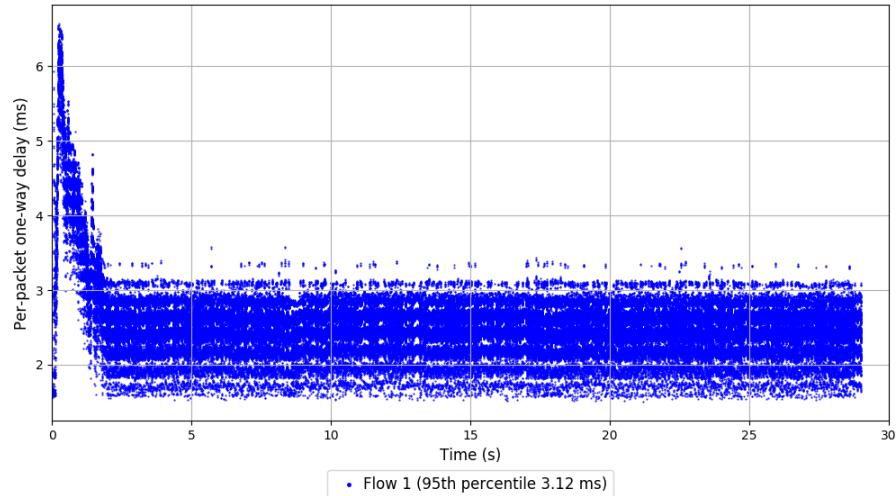
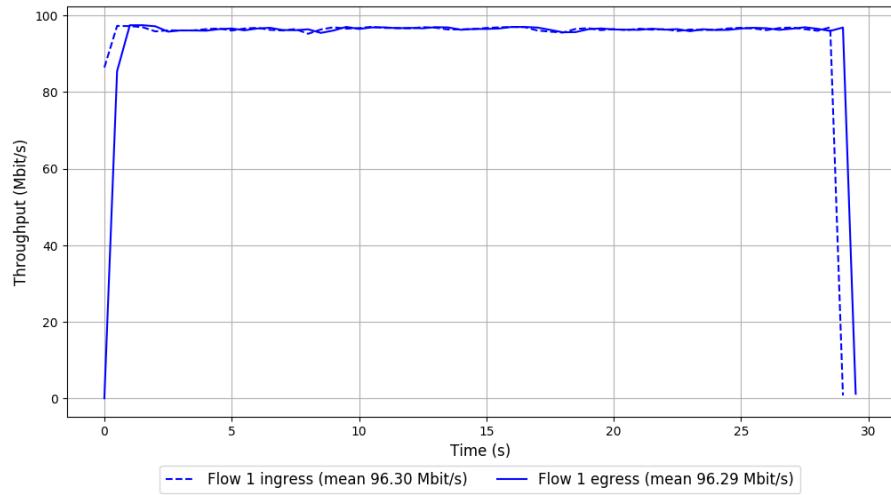


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-01-24 15:13:41
End at: 2019-01-24 15:14:11
Local clock offset: -8.608 ms
Remote clock offset: -1.157 ms

# Below is generated by plot.py at 2019-01-24 16:25:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 3.118 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.29 Mbit/s
95th percentile per-packet one-way delay: 3.118 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-MusesT — Data Link

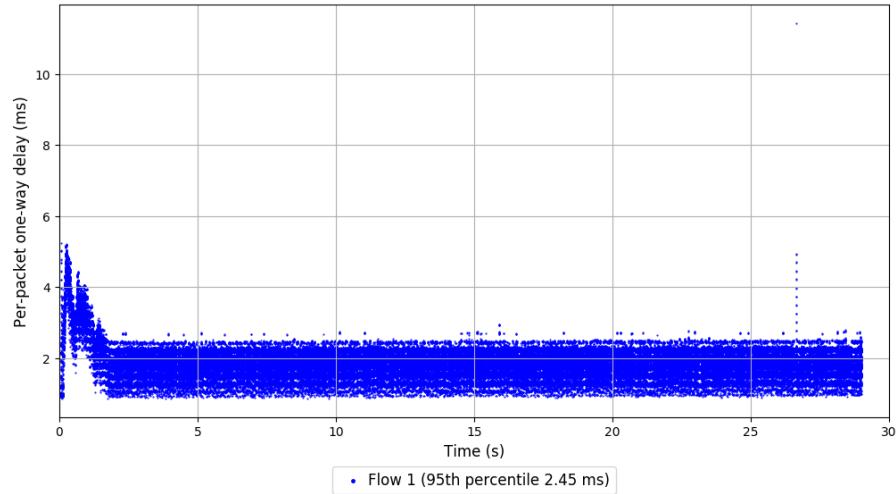
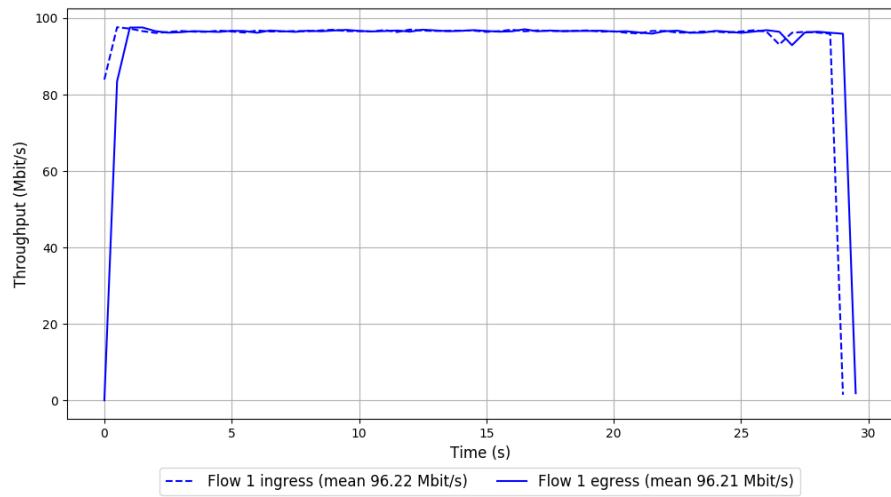


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-01-24 15:37:07
End at: 2019-01-24 15:37:38
Local clock offset: -7.179 ms
Remote clock offset: -0.869 ms

# Below is generated by plot.py at 2019-01-24 16:26:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 2.450 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.21 Mbit/s
95th percentile per-packet one-way delay: 2.450 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-MusesT — Data Link

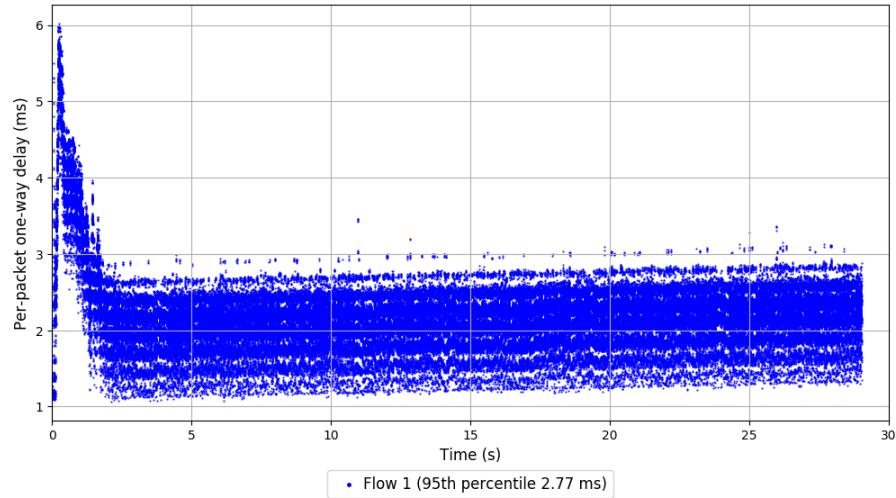
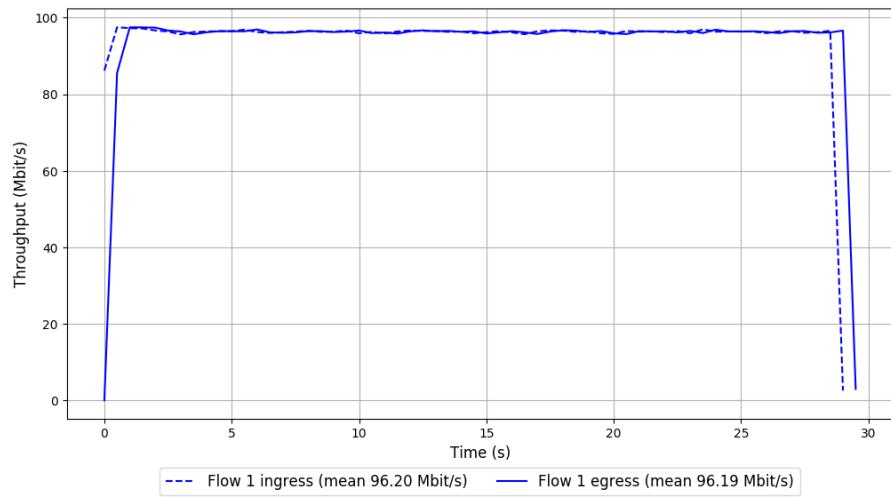


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-01-24 16:00:36
End at: 2019-01-24 16:01:06
Local clock offset: -6.198 ms
Remote clock offset: -0.735 ms

# Below is generated by plot.py at 2019-01-24 16:26:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.19 Mbit/s
95th percentile per-packet one-way delay: 2.768 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.19 Mbit/s
95th percentile per-packet one-way delay: 2.768 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-MusesT — Data Link

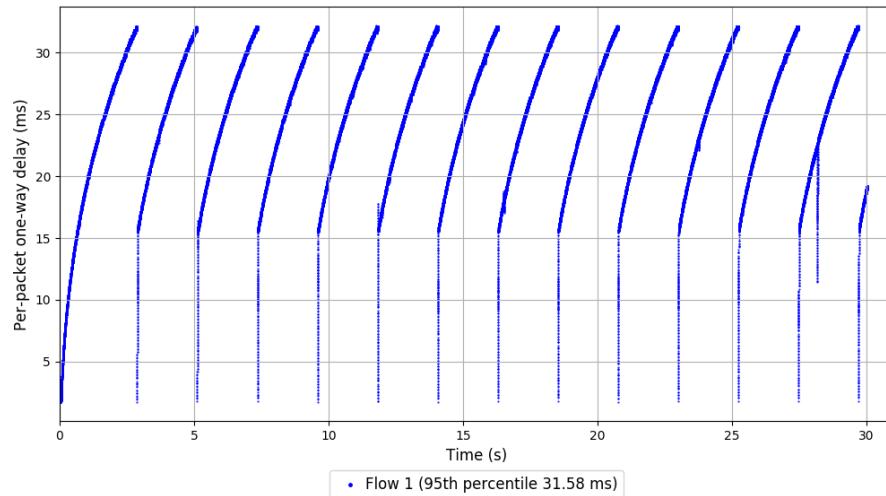
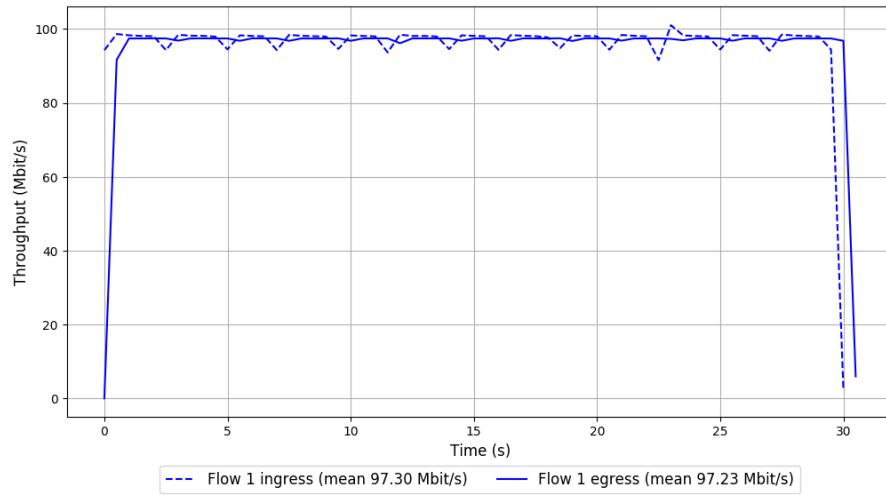


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2019-01-24 14:40:08
End at: 2019-01-24 14:40:38
Local clock offset: -9.276 ms
Remote clock offset: -1.099 ms

# Below is generated by plot.py at 2019-01-24 16:26:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 31.580 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 31.580 ms
Loss rate: 0.01%
```

Run 1: Report of LEDBAT — Data Link

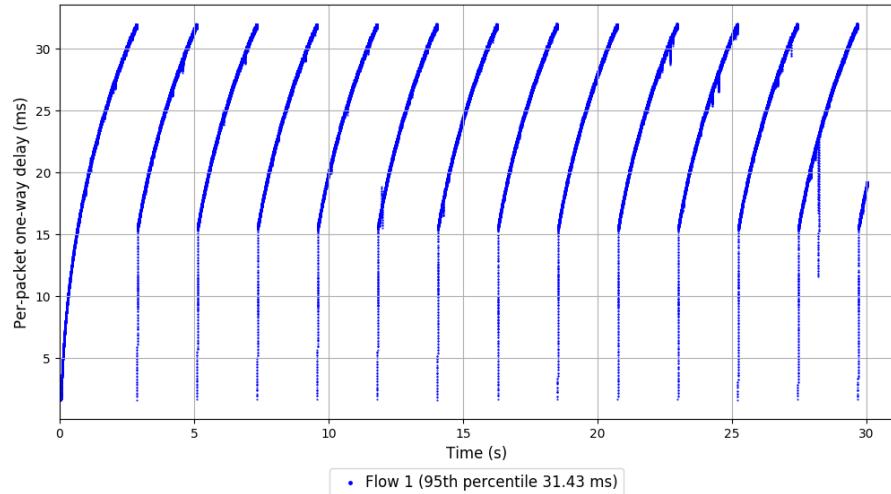
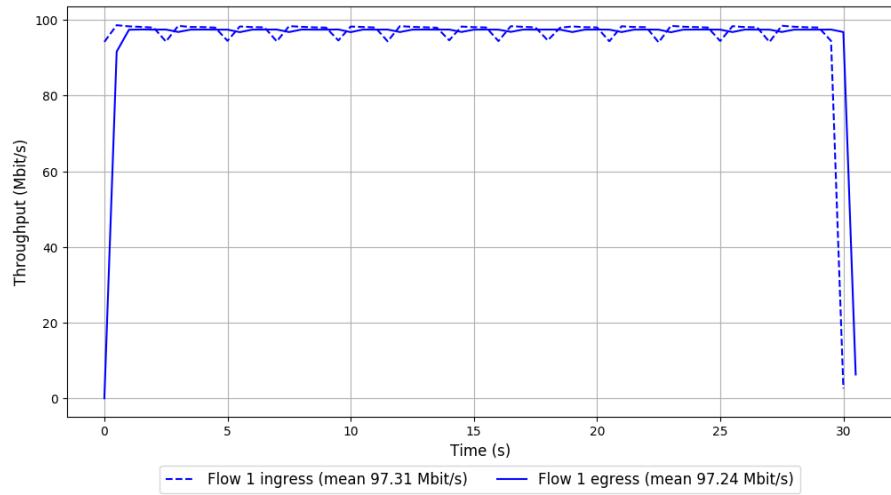


Run 2: Statistics of LEDBAT

```
Start at: 2019-01-24 15:03:38
End at: 2019-01-24 15:04:08
Local clock offset: -8.693 ms
Remote clock offset: -1.25 ms

# Below is generated by plot.py at 2019-01-24 16:26:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 31.426 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 31.426 ms
Loss rate: 0.01%
```

Run 2: Report of LEDBAT — Data Link

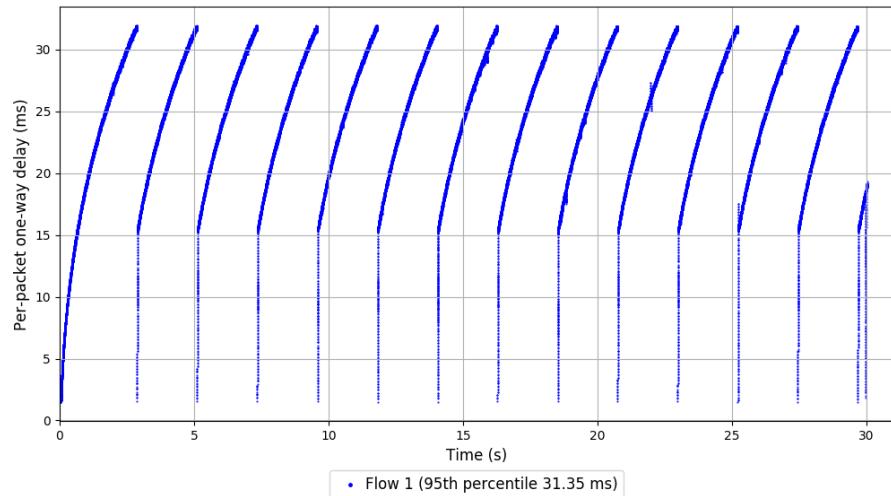
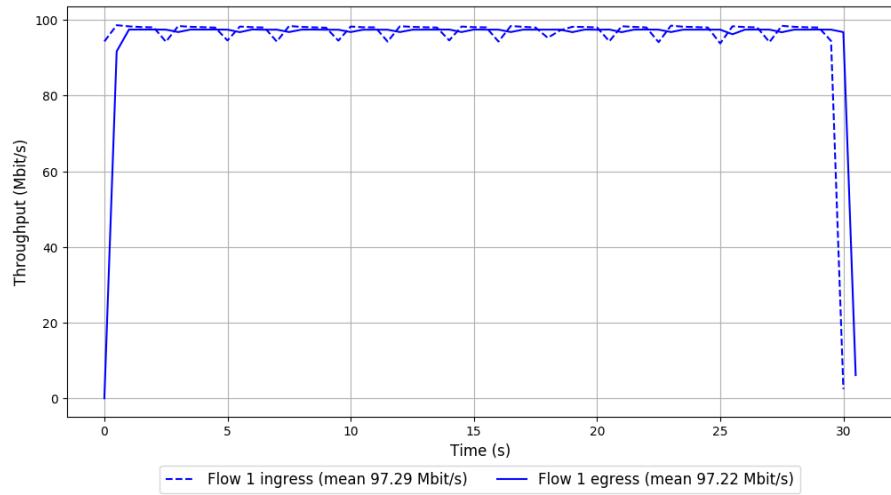


Run 3: Statistics of LEDBAT

```
Start at: 2019-01-24 15:27:06
End at: 2019-01-24 15:27:36
Local clock offset: -9.203 ms
Remote clock offset: -1.058 ms

# Below is generated by plot.py at 2019-01-24 16:26:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 31.348 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 31.348 ms
Loss rate: 0.01%
```

Run 3: Report of LEDBAT — Data Link

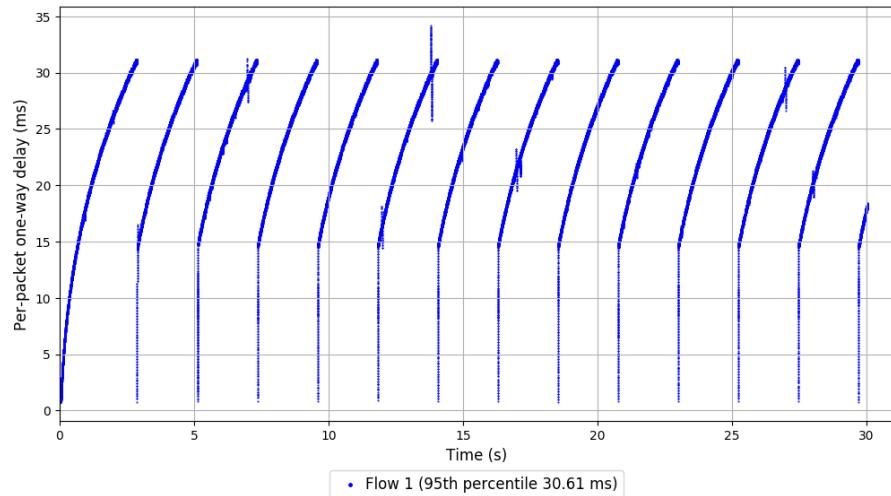
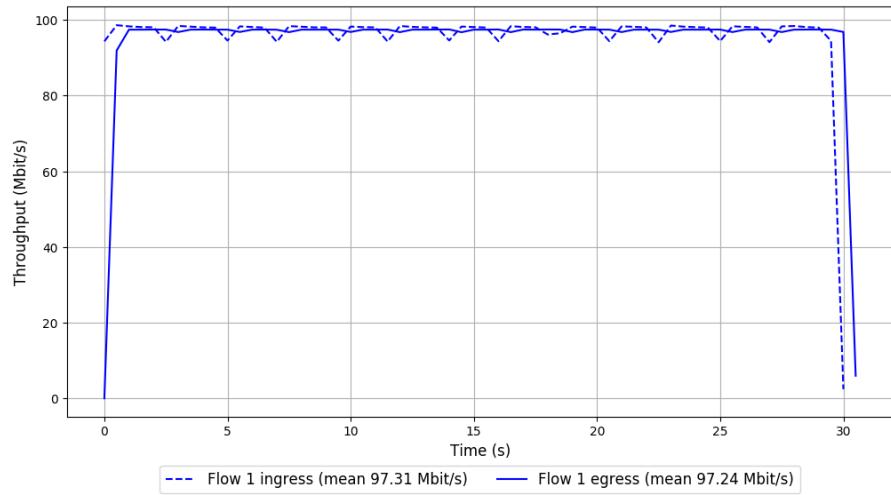


Run 4: Statistics of LEDBAT

```
Start at: 2019-01-24 15:50:33
End at: 2019-01-24 15:51:03
Local clock offset: -6.495 ms
Remote clock offset: -0.79 ms

# Below is generated by plot.py at 2019-01-24 16:26:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 30.615 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 30.615 ms
Loss rate: 0.01%
```

Run 4: Report of LEDBAT — Data Link

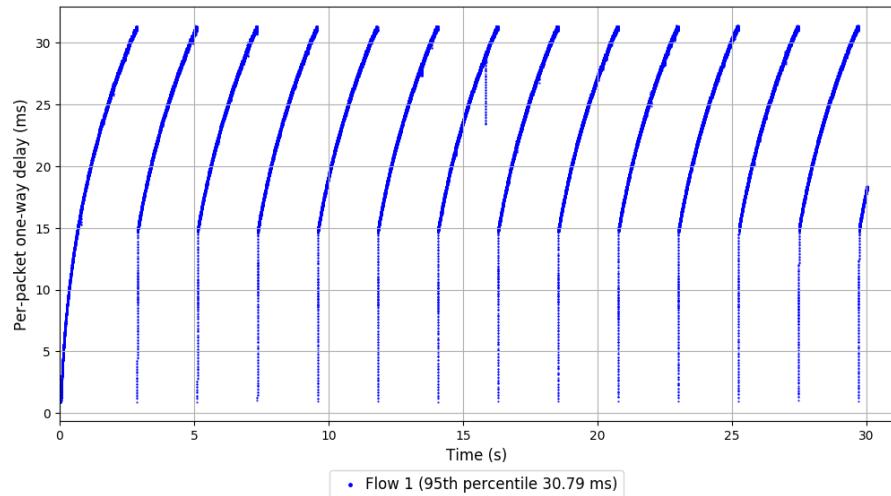
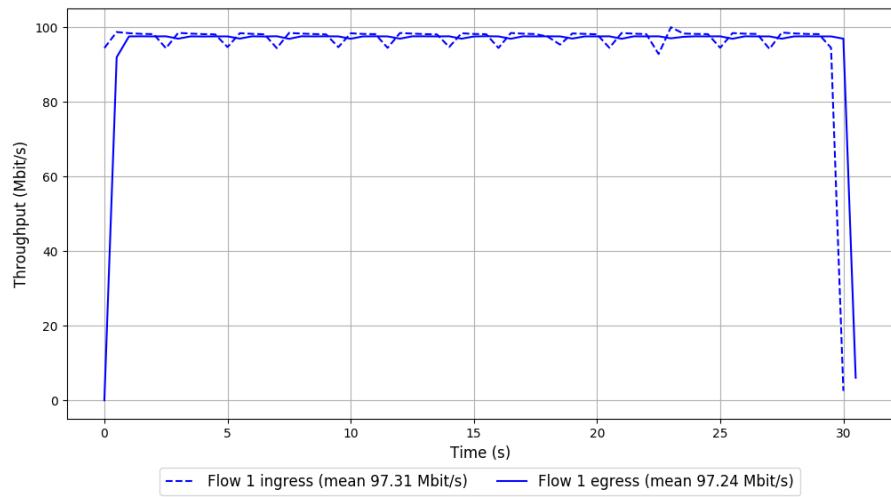


Run 5: Statistics of LEDBAT

```
Start at: 2019-01-24 16:14:01
End at: 2019-01-24 16:14:31
Local clock offset: -2.26 ms
Remote clock offset: -0.514 ms

# Below is generated by plot.py at 2019-01-24 16:26:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 30.786 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 97.24 Mbit/s
95th percentile per-packet one-way delay: 30.786 ms
Loss rate: 0.01%
```

Run 5: Report of LEDBAT — Data Link

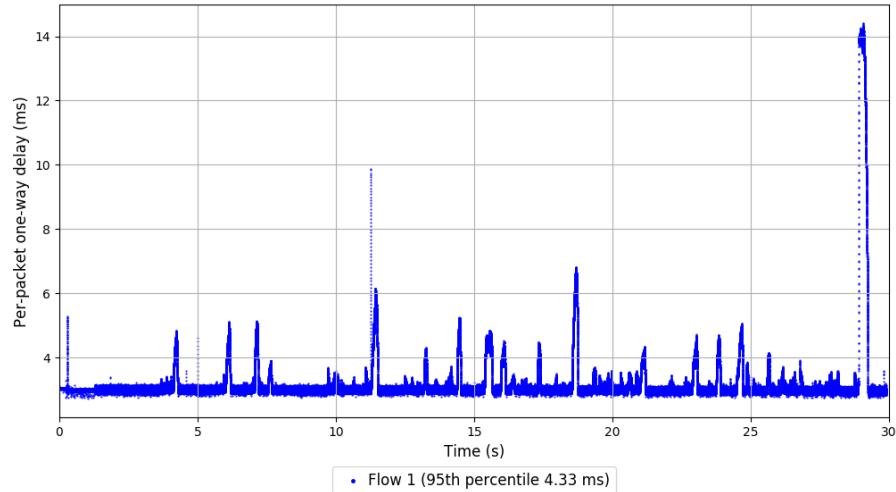
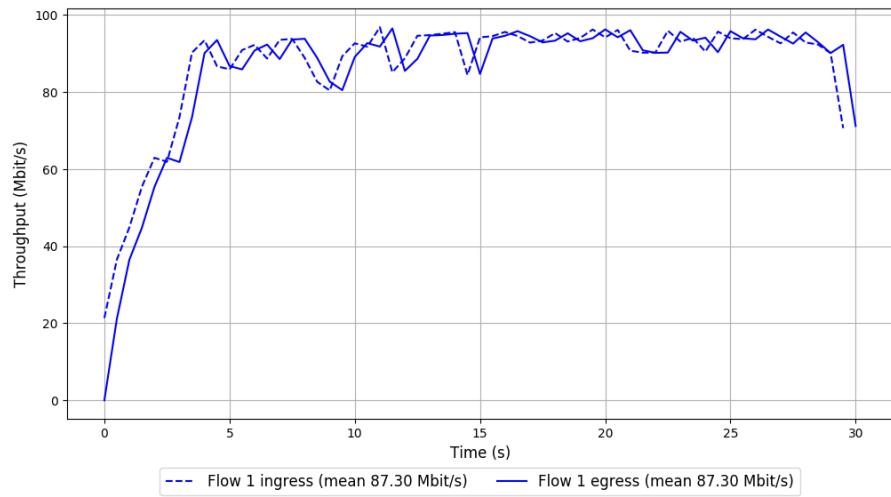


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-01-24 14:25:36
End at: 2019-01-24 14:26:06
Local clock offset: -12.68 ms
Remote clock offset: -1.034 ms

# Below is generated by plot.py at 2019-01-24 16:26:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 4.326 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 87.30 Mbit/s
95th percentile per-packet one-way delay: 4.326 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Allegro — Data Link

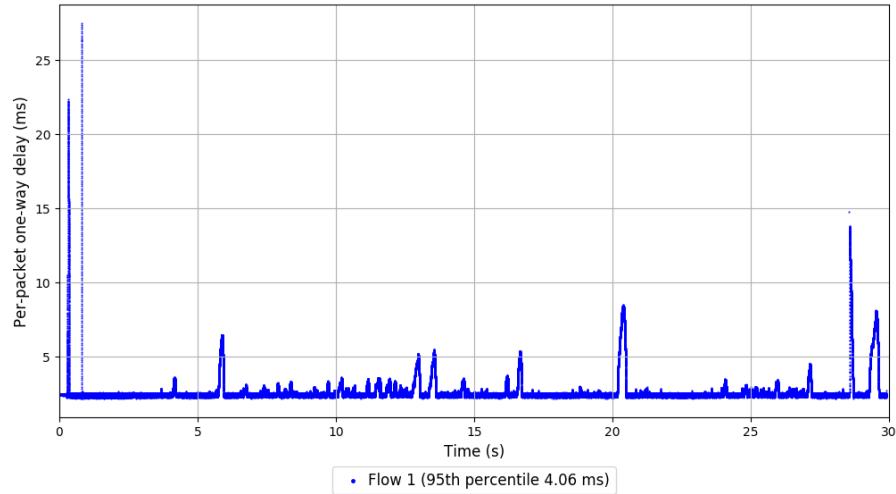
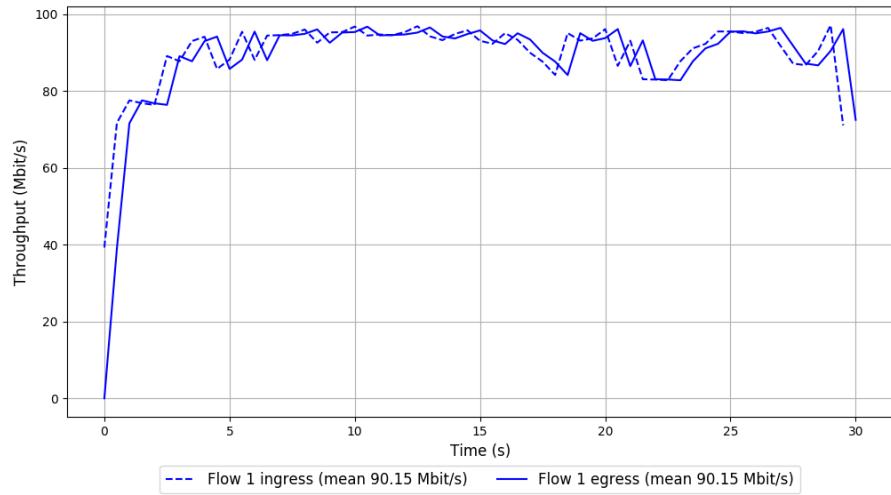


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-01-24 14:49:05
End at: 2019-01-24 14:49:35
Local clock offset: -7.873 ms
Remote clock offset: -1.248 ms

# Below is generated by plot.py at 2019-01-24 16:27:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.15 Mbit/s
95th percentile per-packet one-way delay: 4.058 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.15 Mbit/s
95th percentile per-packet one-way delay: 4.058 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Allegro — Data Link

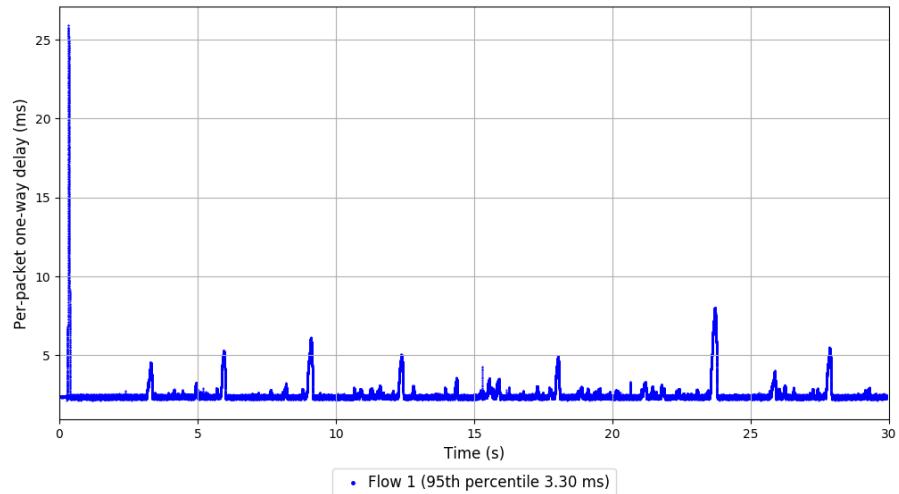
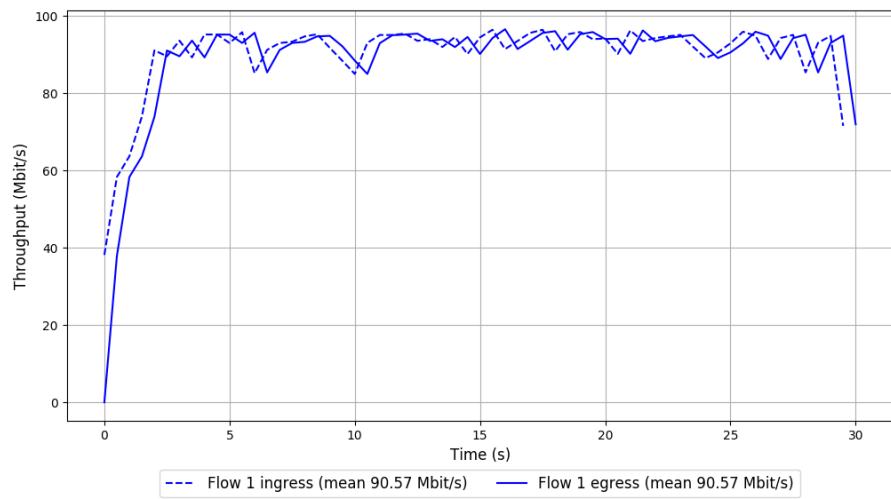


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-01-24 15:12:34
End at: 2019-01-24 15:13:04
Local clock offset: -7.828 ms
Remote clock offset: -1.148 ms

# Below is generated by plot.py at 2019-01-24 16:27:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.57 Mbit/s
95th percentile per-packet one-way delay: 3.298 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.57 Mbit/s
95th percentile per-packet one-way delay: 3.298 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Allegro — Data Link

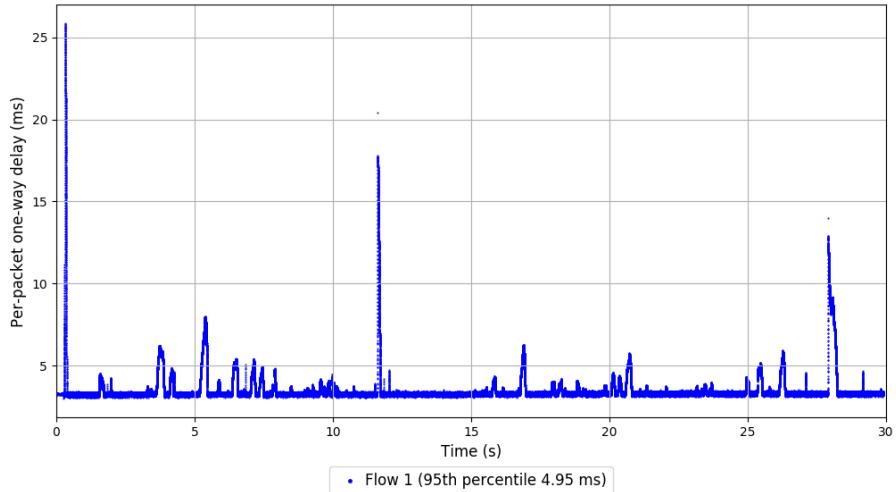
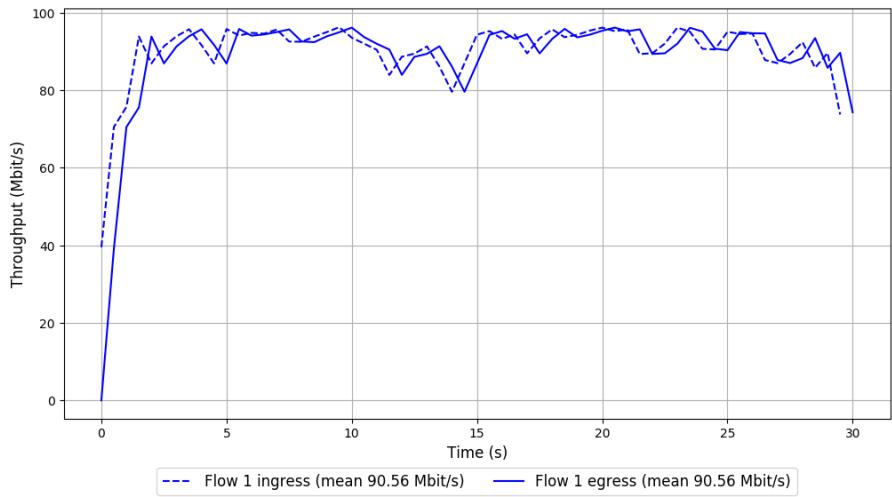


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-01-24 15:36:01
End at: 2019-01-24 15:36:31
Local clock offset: -8.166 ms
Remote clock offset: -0.936 ms

# Below is generated by plot.py at 2019-01-24 16:27:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.56 Mbit/s
95th percentile per-packet one-way delay: 4.947 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.56 Mbit/s
95th percentile per-packet one-way delay: 4.947 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Allegro — Data Link

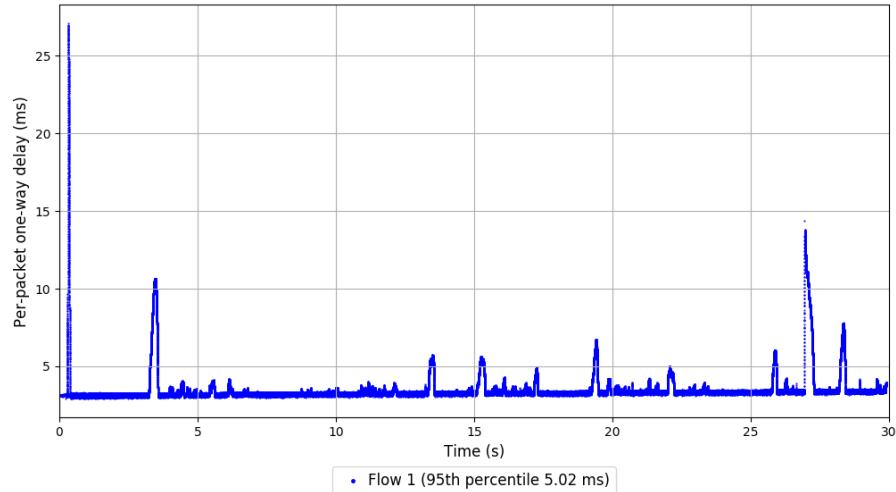
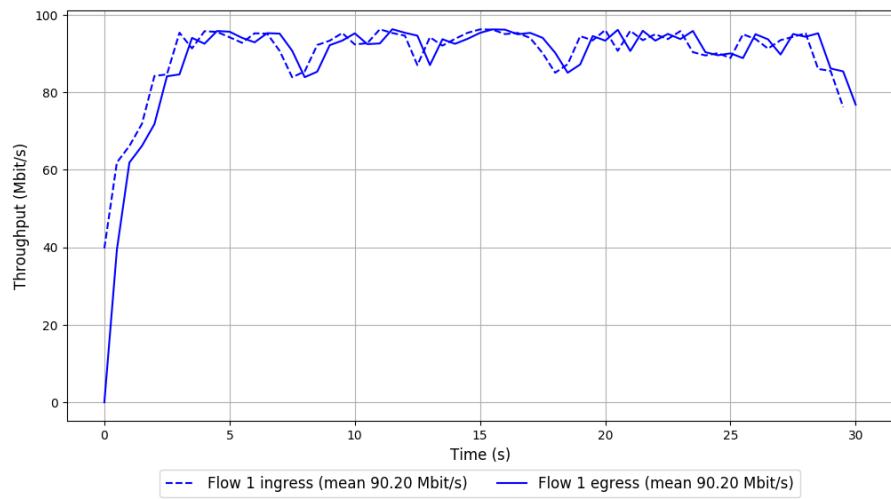


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-01-24 15:59:30
End at: 2019-01-24 16:00:00
Local clock offset: -7.234 ms
Remote clock offset: -0.719 ms

# Below is generated by plot.py at 2019-01-24 16:27:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.20 Mbit/s
95th percentile per-packet one-way delay: 5.020 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 90.20 Mbit/s
95th percentile per-packet one-way delay: 5.020 ms
Loss rate: 0.00%
```

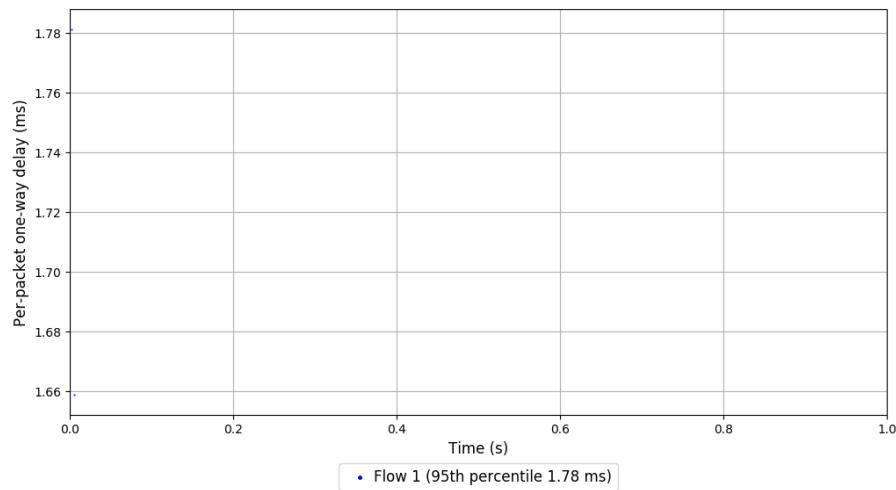
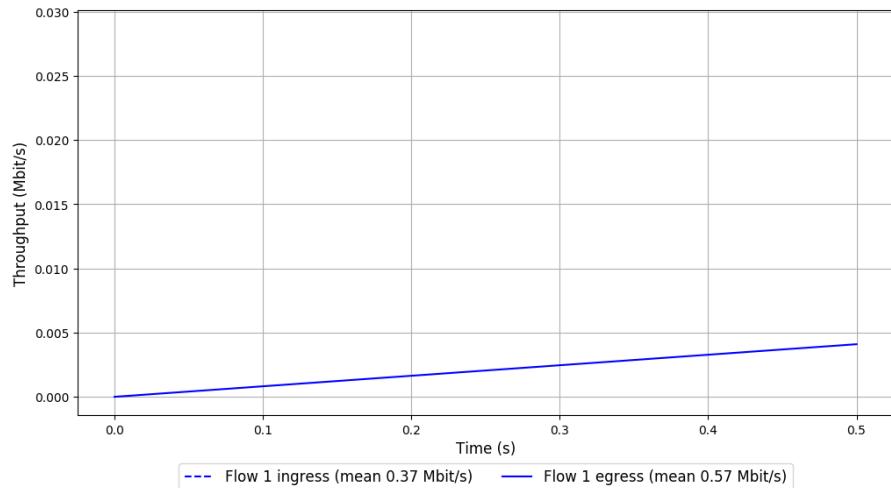
Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-01-24 14:22:14
End at: 2019-01-24 14:22:44
Local clock offset: -12.302 ms
Remote clock offset: -0.894 ms

Run 1: Report of PCC-Expr — Data Link

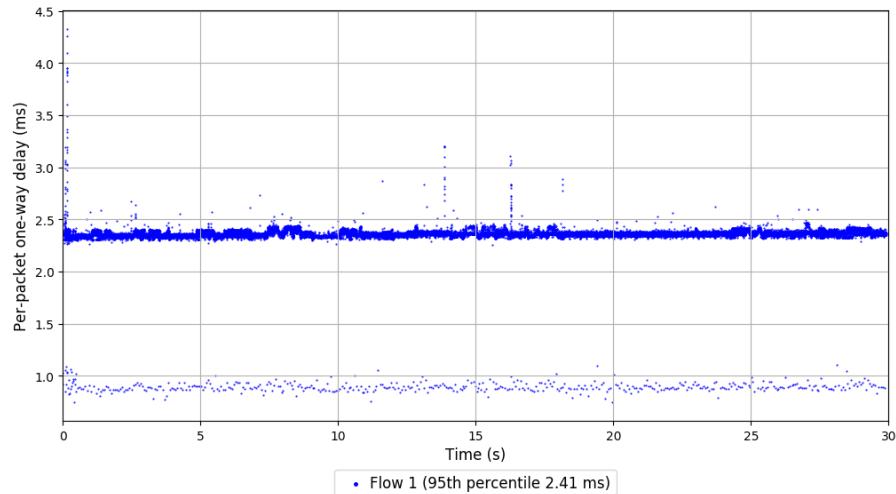
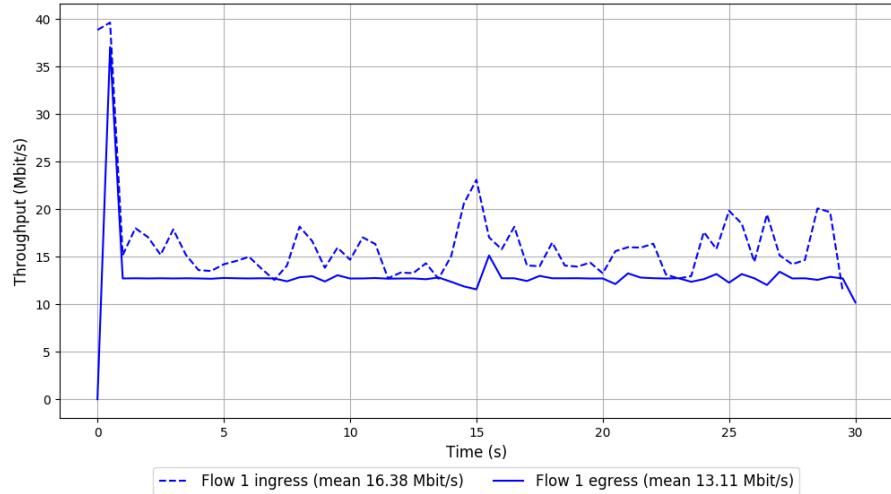


Run 2: Statistics of PCC-Expr

```
Start at: 2019-01-24 14:45:43
End at: 2019-01-24 14:46:13
Local clock offset: -7.958 ms
Remote clock offset: -1.244 ms

# Below is generated by plot.py at 2019-01-24 16:27:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.11 Mbit/s
95th percentile per-packet one-way delay: 2.407 ms
Loss rate: 19.93%
-- Flow 1:
Average throughput: 13.11 Mbit/s
95th percentile per-packet one-way delay: 2.407 ms
Loss rate: 19.93%
```

Run 2: Report of PCC-Expr — Data Link

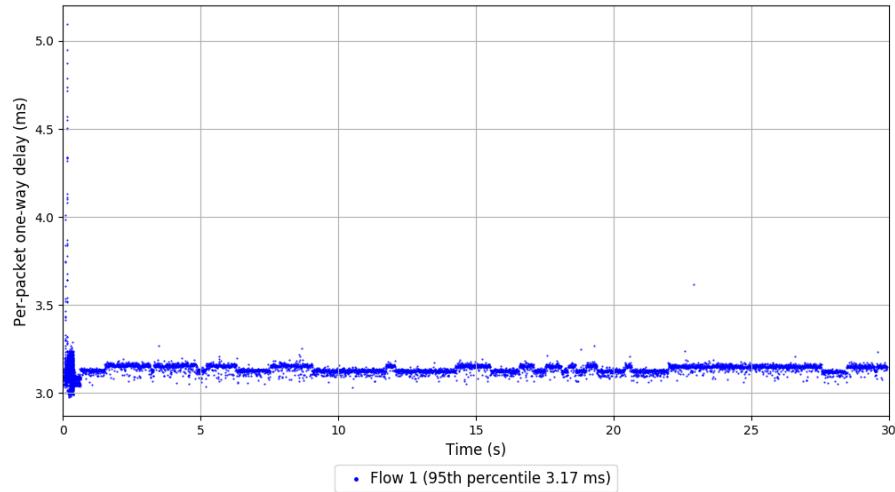
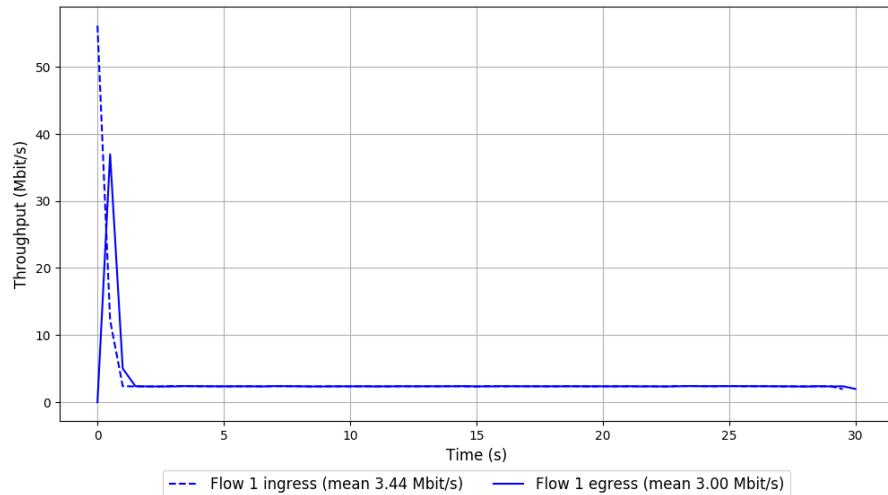


Run 3: Statistics of PCC-Expr

```
Start at: 2019-01-24 15:09:12
End at: 2019-01-24 15:09:42
Local clock offset: -8.614 ms
Remote clock offset: -1.277 ms

# Below is generated by plot.py at 2019-01-24 16:27:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 3.174 ms
Loss rate: 12.82%
-- Flow 1:
Average throughput: 3.00 Mbit/s
95th percentile per-packet one-way delay: 3.174 ms
Loss rate: 12.82%
```

Run 3: Report of PCC-Expr — Data Link

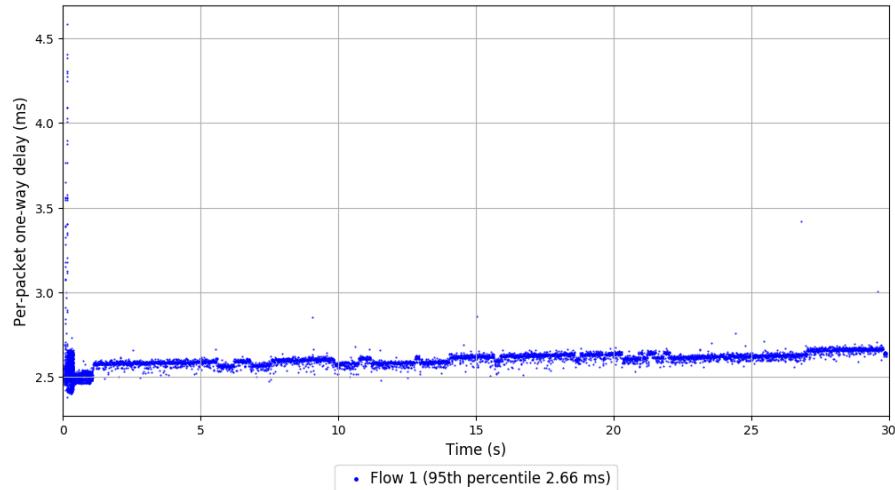
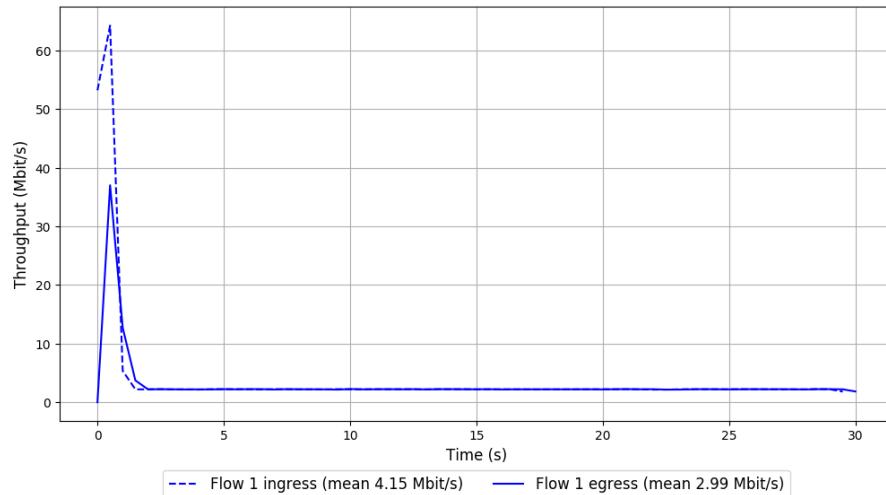


Run 4: Statistics of PCC-Expr

```
Start at: 2019-01-24 15:32:39
End at: 2019-01-24 15:33:09
Local clock offset: -7.892 ms
Remote clock offset: -0.89 ms

# Below is generated by plot.py at 2019-01-24 16:27:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 2.661 ms
Loss rate: 27.95%
-- Flow 1:
Average throughput: 2.99 Mbit/s
95th percentile per-packet one-way delay: 2.661 ms
Loss rate: 27.95%
```

Run 4: Report of PCC-Expr — Data Link

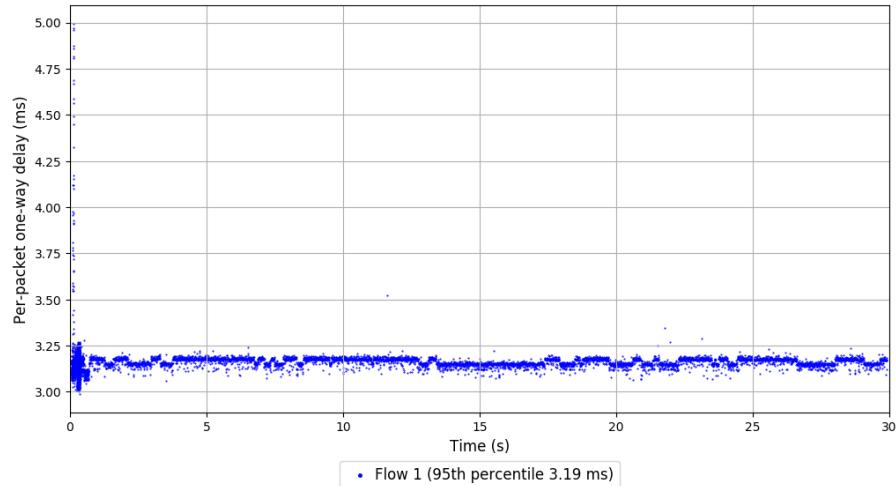
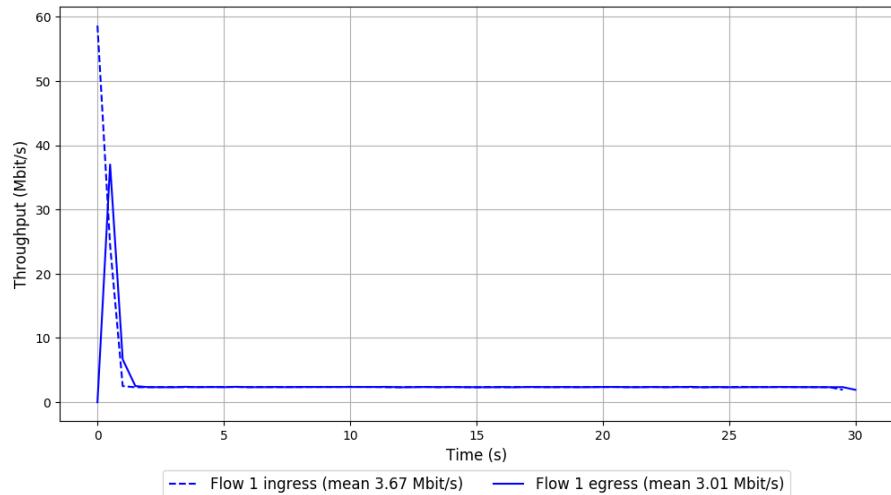


Run 5: Statistics of PCC-Expr

```
Start at: 2019-01-24 15:56:08
End at: 2019-01-24 15:56:38
Local clock offset: -7.232 ms
Remote clock offset: -0.705 ms

# Below is generated by plot.py at 2019-01-24 16:27:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 3.194 ms
Loss rate: 17.94%
-- Flow 1:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 3.194 ms
Loss rate: 17.94%
```

Run 5: Report of PCC-Expr — Data Link

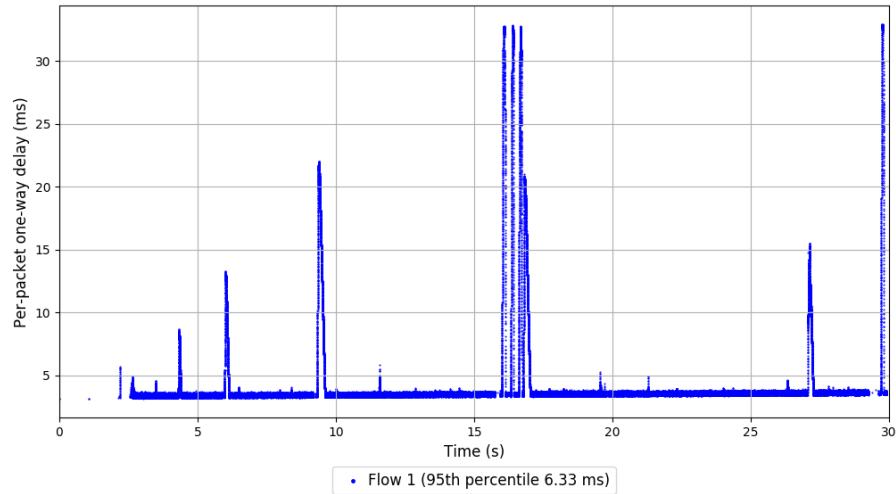
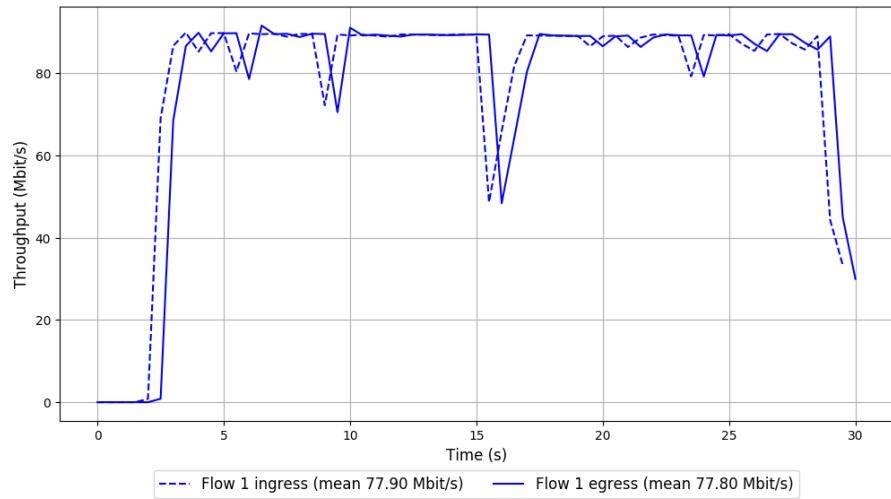


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-01-24 14:31:11
End at: 2019-01-24 14:31:41
Local clock offset: -12.399 ms
Remote clock offset: -1.088 ms

# Below is generated by plot.py at 2019-01-24 16:27:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.80 Mbit/s
95th percentile per-packet one-way delay: 6.334 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 77.80 Mbit/s
95th percentile per-packet one-way delay: 6.334 ms
Loss rate: 0.13%
```

Run 1: Report of QUIC Cubic — Data Link

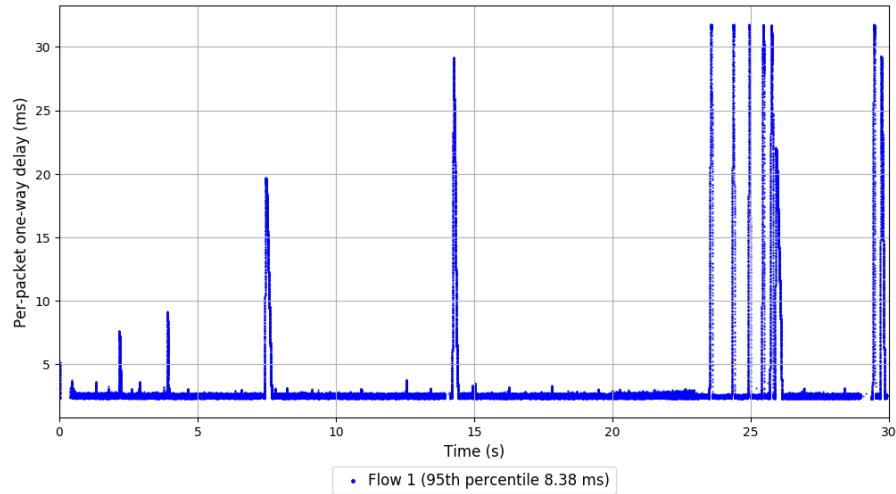
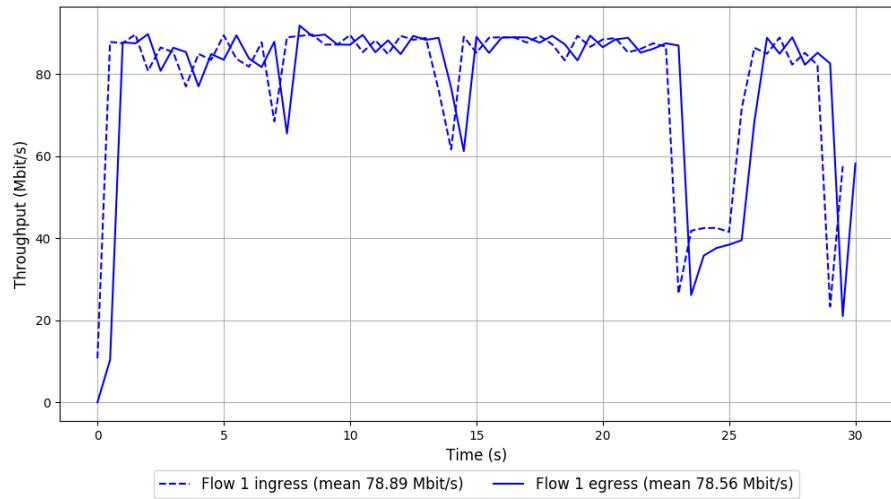


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-01-24 14:54:41
End at: 2019-01-24 14:55:11
Local clock offset: -8.014 ms
Remote clock offset: -1.255 ms

# Below is generated by plot.py at 2019-01-24 16:27:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.56 Mbit/s
95th percentile per-packet one-way delay: 8.380 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 78.56 Mbit/s
95th percentile per-packet one-way delay: 8.380 ms
Loss rate: 0.42%
```

Run 2: Report of QUIC Cubic — Data Link

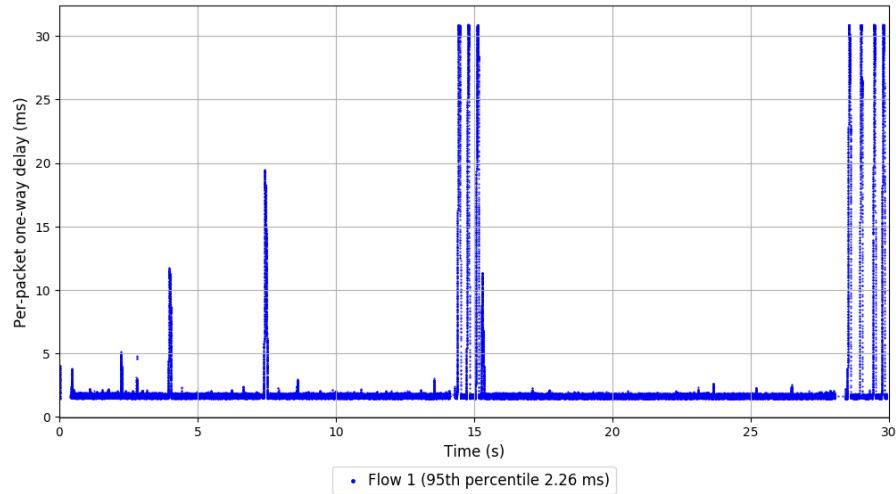
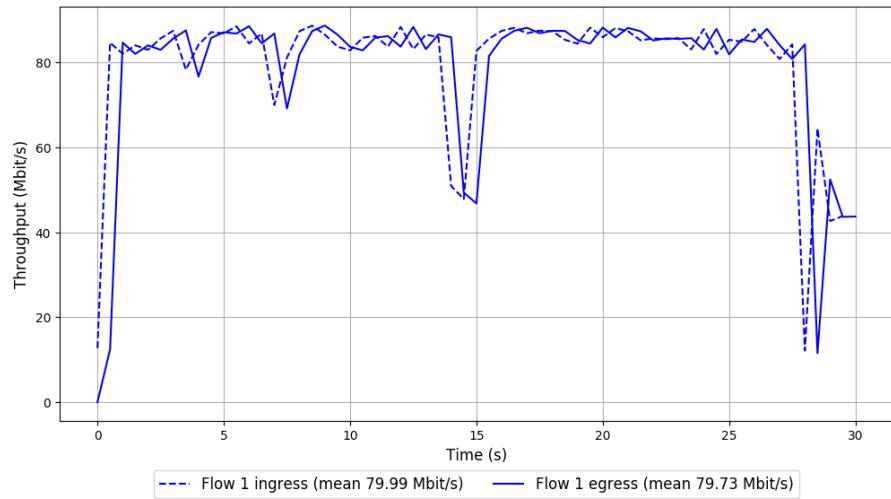


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-01-24 15:18:09
End at: 2019-01-24 15:18:40
Local clock offset: -8.763 ms
Remote clock offset: -1.162 ms

# Below is generated by plot.py at 2019-01-24 16:27:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.73 Mbit/s
95th percentile per-packet one-way delay: 2.260 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 79.73 Mbit/s
95th percentile per-packet one-way delay: 2.260 ms
Loss rate: 0.33%
```

Run 3: Report of QUIC Cubic — Data Link

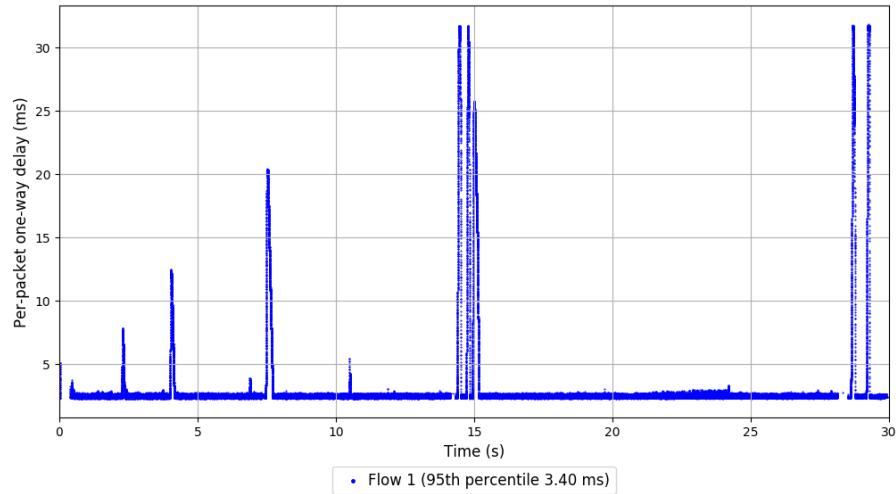
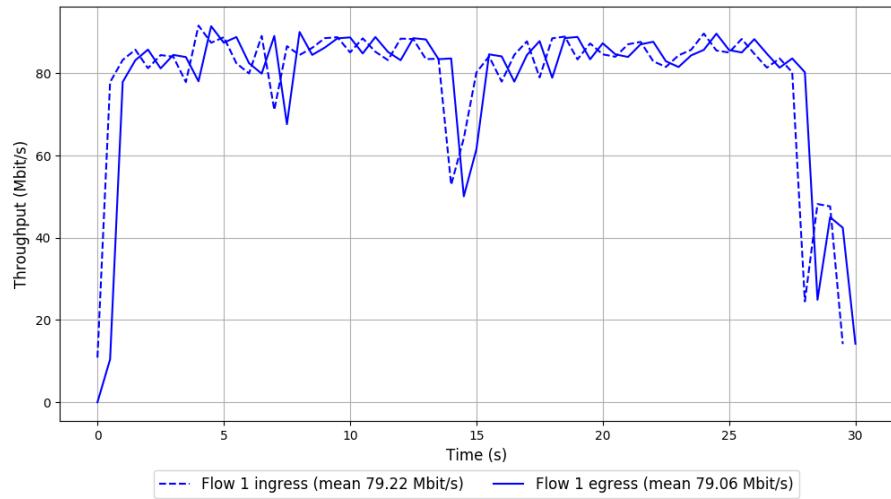


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-01-24 15:41:36
End at: 2019-01-24 15:42:06
Local clock offset: -6.796 ms
Remote clock offset: -0.839 ms

# Below is generated by plot.py at 2019-01-24 16:28:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.06 Mbit/s
95th percentile per-packet one-way delay: 3.397 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 79.06 Mbit/s
95th percentile per-packet one-way delay: 3.397 ms
Loss rate: 0.20%
```

Run 4: Report of QUIC Cubic — Data Link

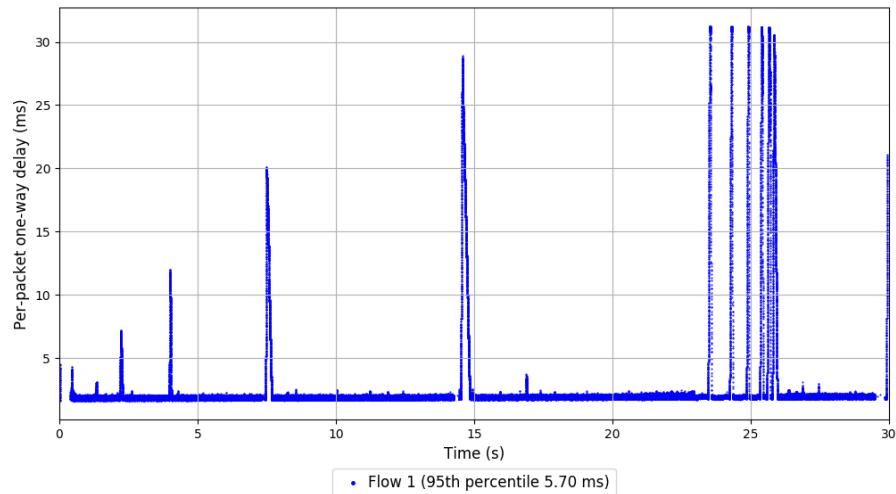
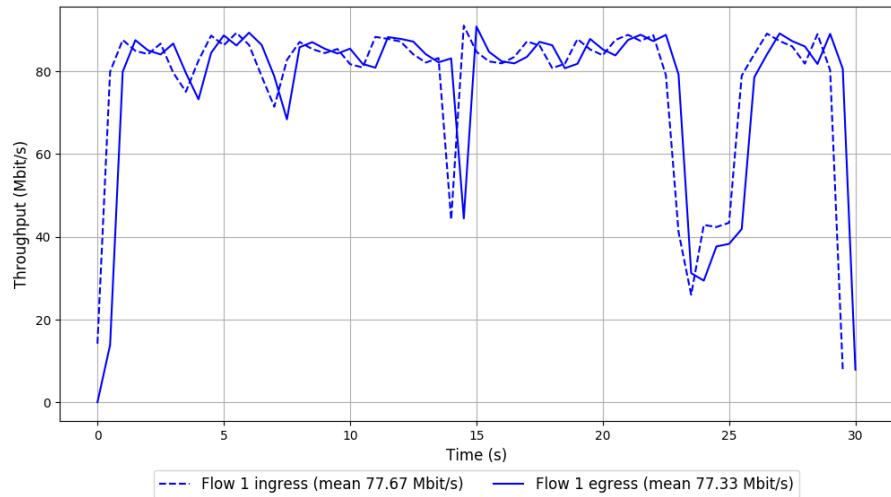


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-01-24 16:05:04
End at: 2019-01-24 16:05:34
Local clock offset: -5.02 ms
Remote clock offset: -0.671 ms

# Below is generated by plot.py at 2019-01-24 16:28:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.33 Mbit/s
95th percentile per-packet one-way delay: 5.702 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 77.33 Mbit/s
95th percentile per-packet one-way delay: 5.702 ms
Loss rate: 0.38%
```

Run 5: Report of QUIC Cubic — Data Link

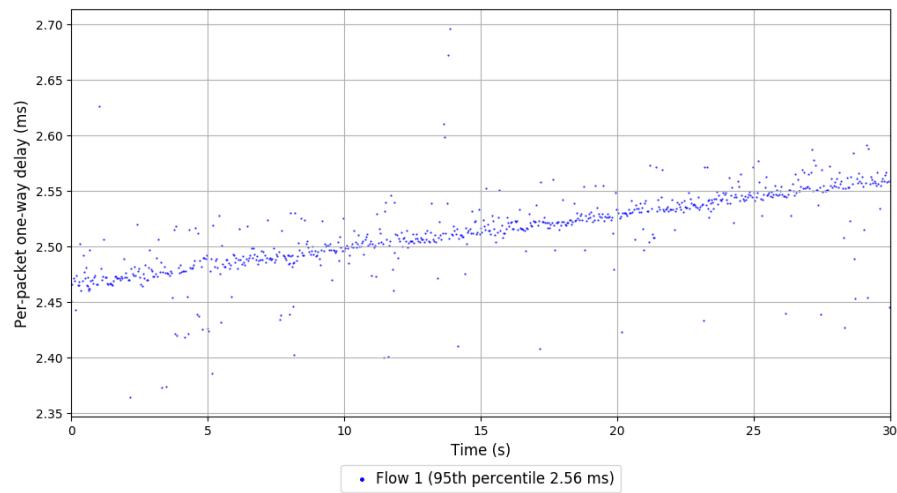
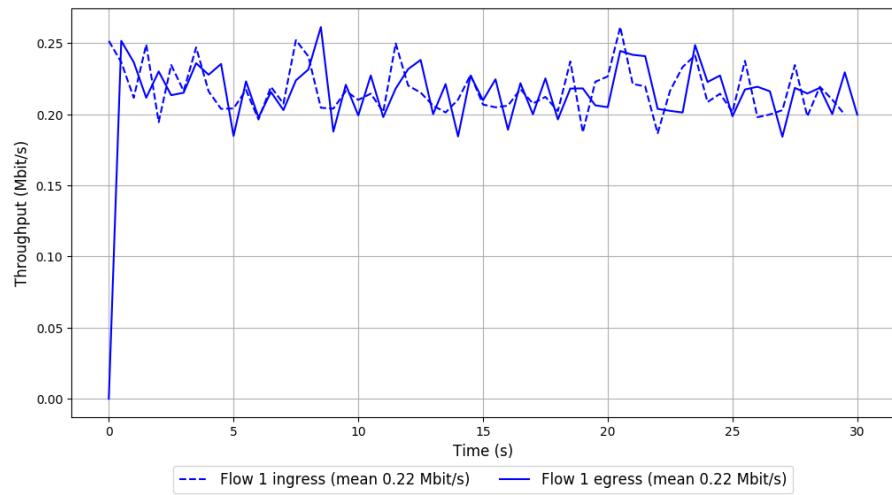


```
Run 1: Statistics of SCReAM
```

```
Start at: 2019-01-24 14:39:04
End at: 2019-01-24 14:39:34
Local clock offset: -8.689 ms
Remote clock offset: -1.123 ms

# Below is generated by plot.py at 2019-01-24 16:28:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.561 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.561 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

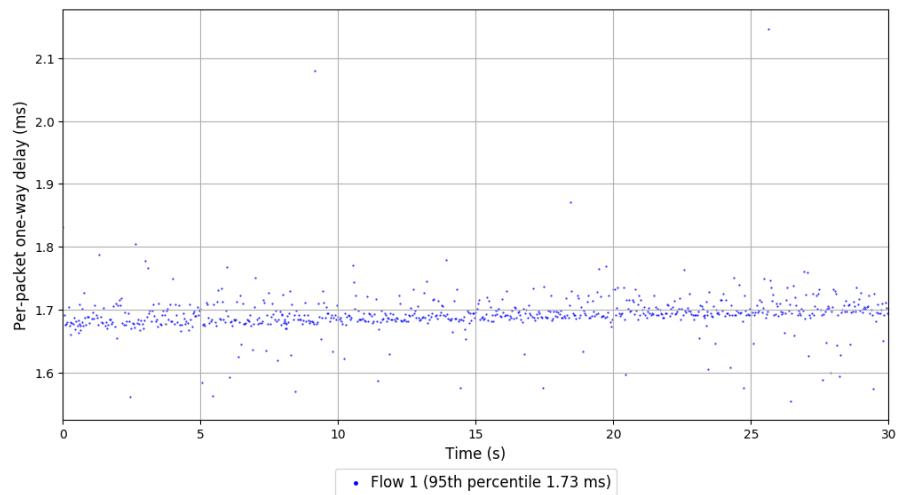
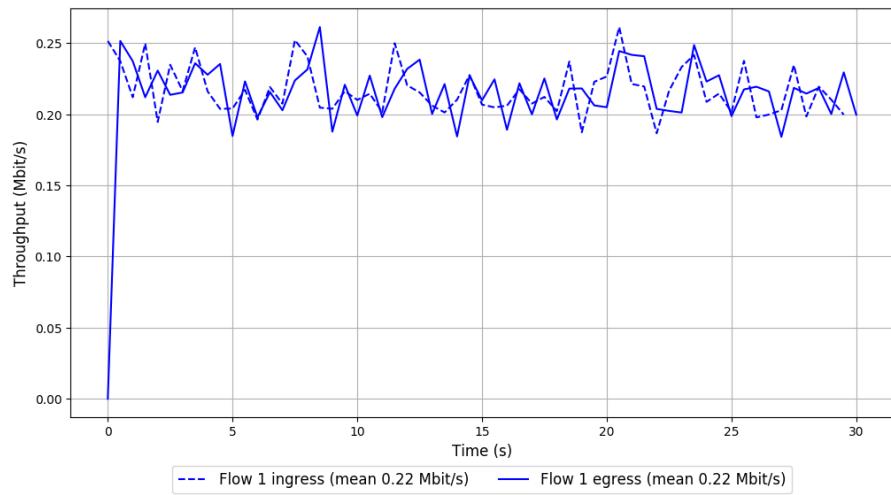


Run 2: Statistics of SCReAM

```
Start at: 2019-01-24 15:02:33
End at: 2019-01-24 15:03:03
Local clock offset: -8.743 ms
Remote clock offset: -1.262 ms

# Below is generated by plot.py at 2019-01-24 16:28:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.732 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.732 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

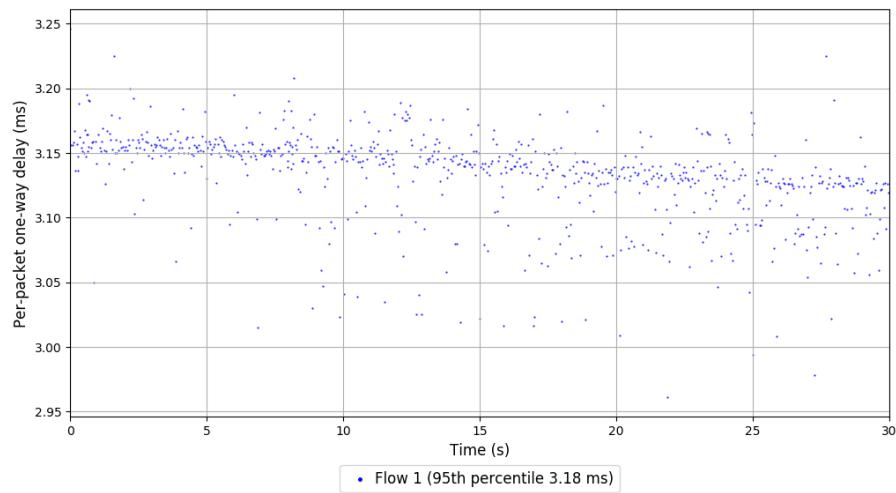
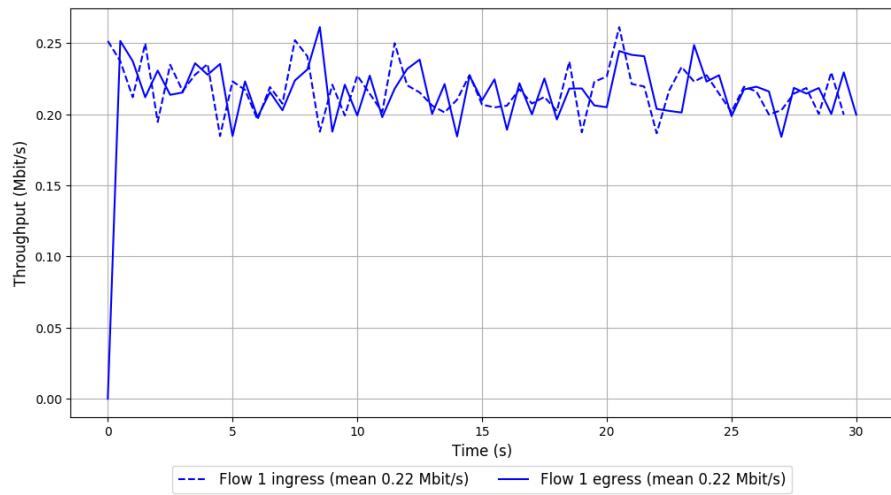


Run 3: Statistics of SCReAM

```
Start at: 2019-01-24 15:26:02
End at: 2019-01-24 15:26:32
Local clock offset: -9.204 ms
Remote clock offset: -1.066 ms

# Below is generated by plot.py at 2019-01-24 16:28:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.176 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 3.176 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

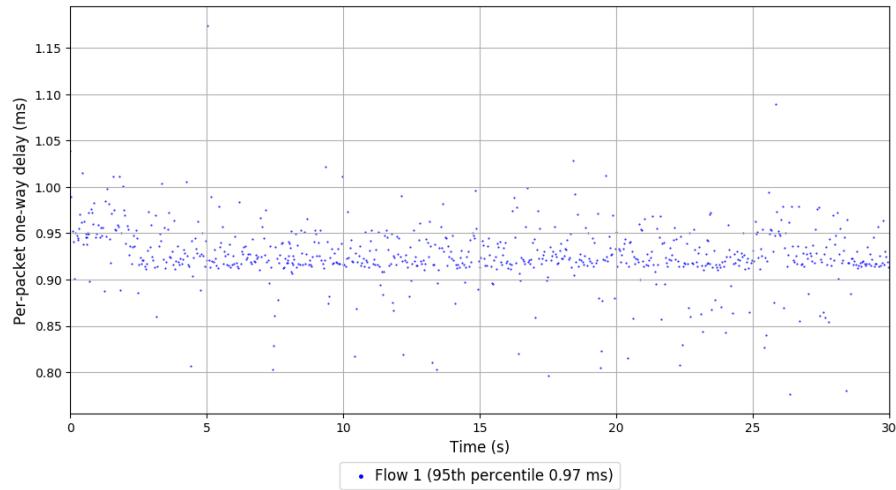
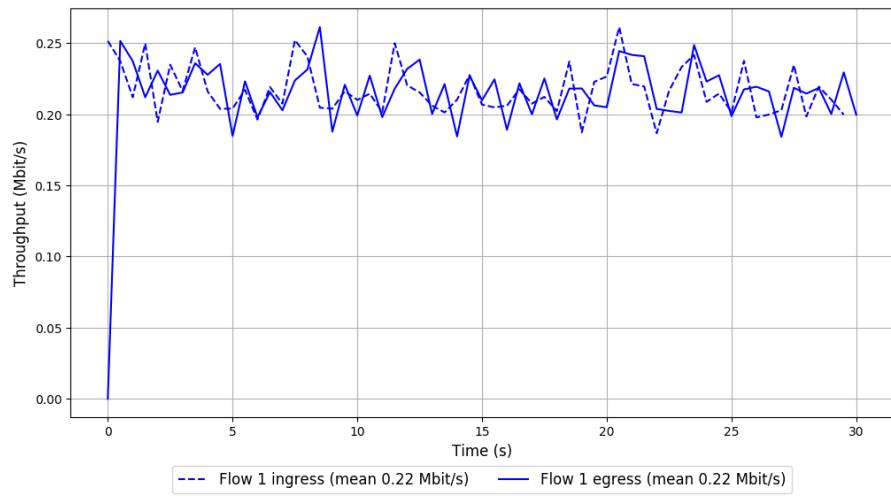


Run 4: Statistics of SCReAM

```
Start at: 2019-01-24 15:49:28
End at: 2019-01-24 15:49:58
Local clock offset: -6.503 ms
Remote clock offset: -0.751 ms

# Below is generated by plot.py at 2019-01-24 16:28:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.974 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 0.974 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

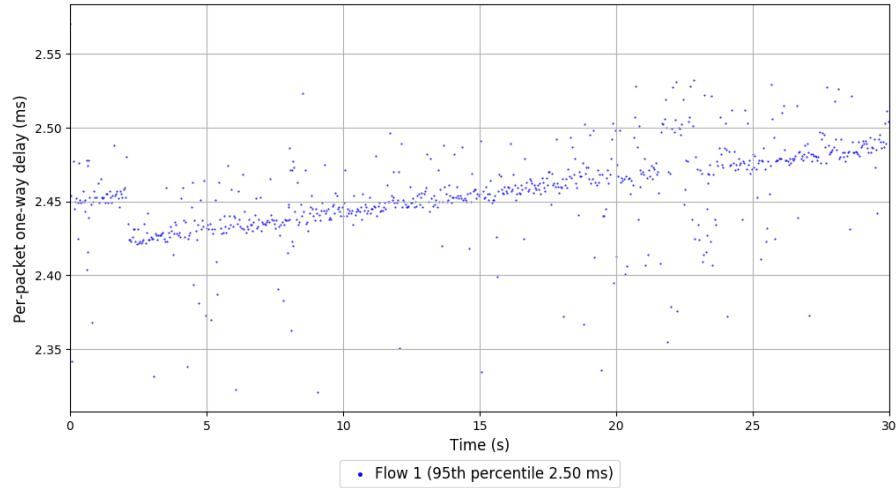
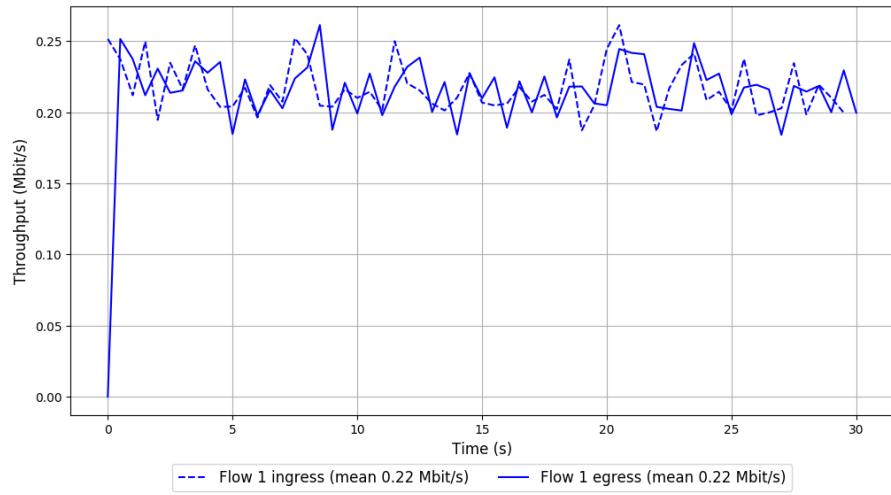


Run 5: Statistics of SCReAM

```
Start at: 2019-01-24 16:12:57
End at: 2019-01-24 16:13:27
Local clock offset: -2.413 ms
Remote clock offset: -0.586 ms

# Below is generated by plot.py at 2019-01-24 16:28:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.501 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.501 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

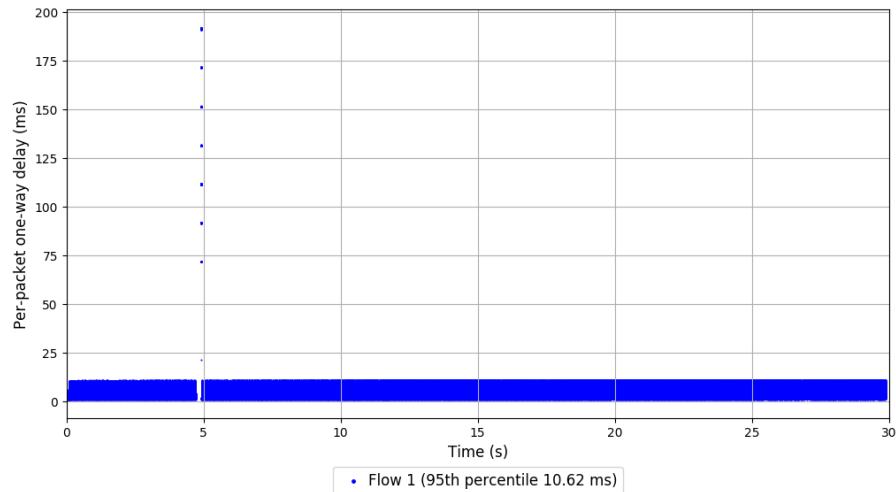
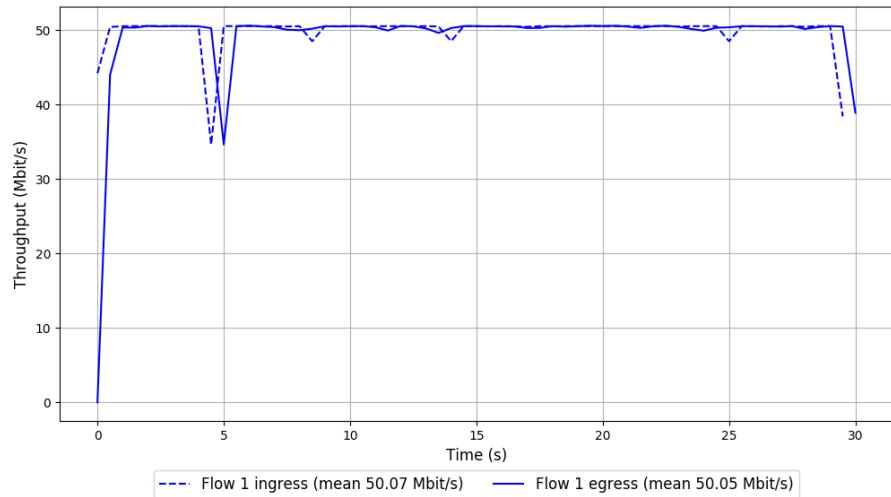


Run 1: Statistics of Sprout

```
Start at: 2019-01-24 14:33:26
End at: 2019-01-24 14:33:56
Local clock offset: -10.541 ms
Remote clock offset: -1.131 ms

# Below is generated by plot.py at 2019-01-24 16:28:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.05 Mbit/s
95th percentile per-packet one-way delay: 10.618 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.05 Mbit/s
95th percentile per-packet one-way delay: 10.618 ms
Loss rate: 0.01%
```

Run 1: Report of Sprout — Data Link

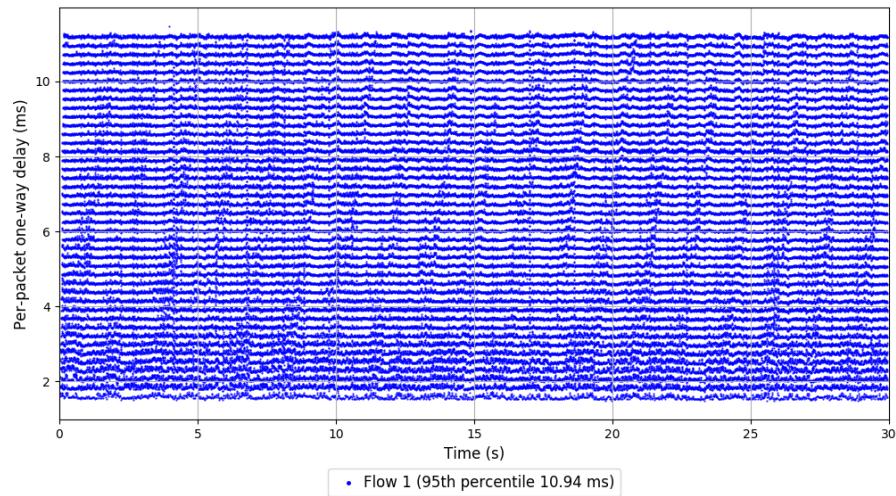
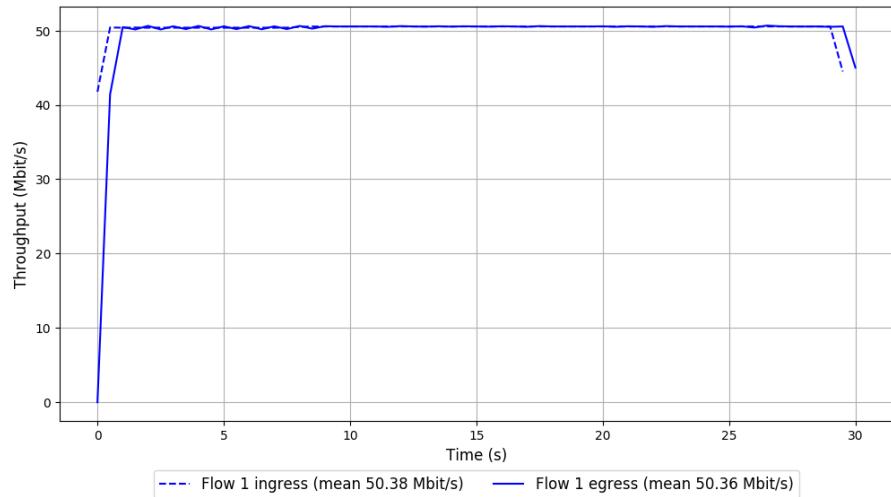


Run 2: Statistics of Sprout

```
Start at: 2019-01-24 14:56:56
End at: 2019-01-24 14:57:26
Local clock offset: -8.802 ms
Remote clock offset: -1.326 ms

# Below is generated by plot.py at 2019-01-24 16:28:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 10.935 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 10.935 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

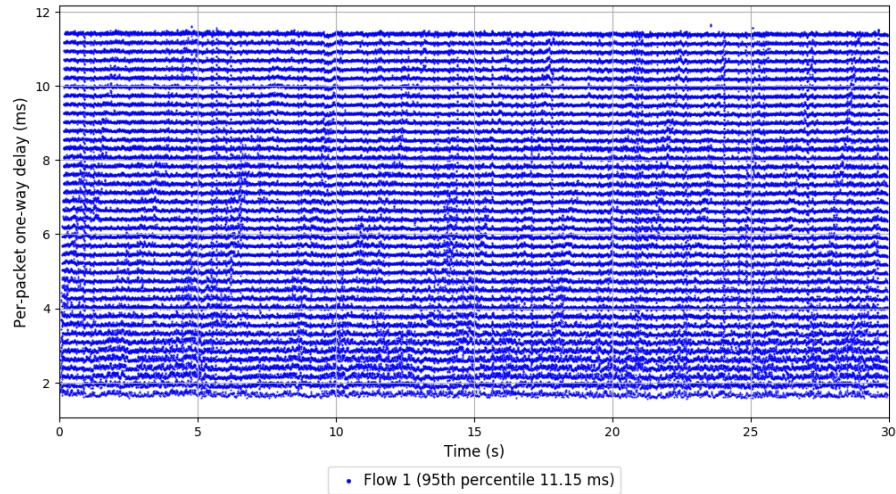
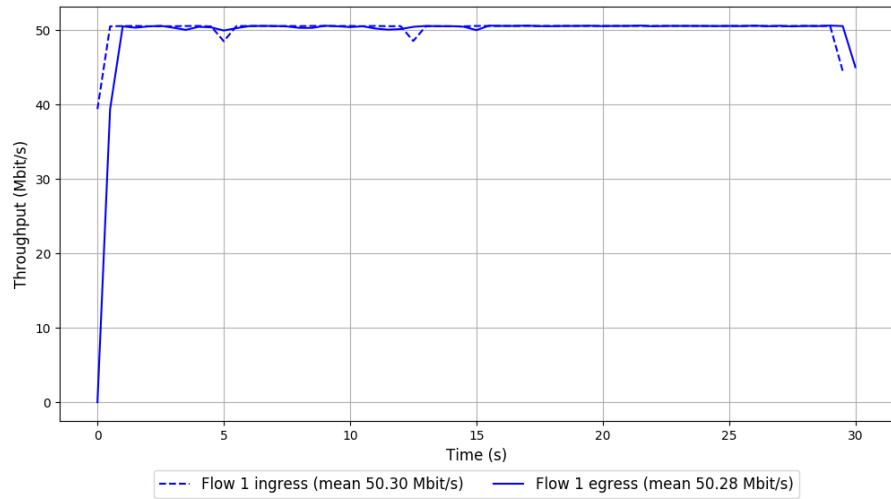


Run 3: Statistics of Sprout

```
Start at: 2019-01-24 15:20:25
End at: 2019-01-24 15:20:55
Local clock offset: -8.875 ms
Remote clock offset: -1.067 ms

# Below is generated by plot.py at 2019-01-24 16:28:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 11.147 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.28 Mbit/s
95th percentile per-packet one-way delay: 11.147 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

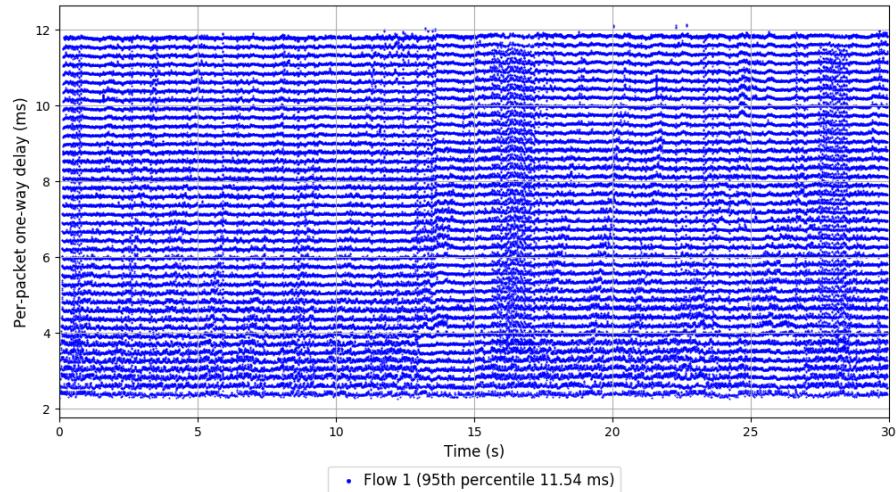
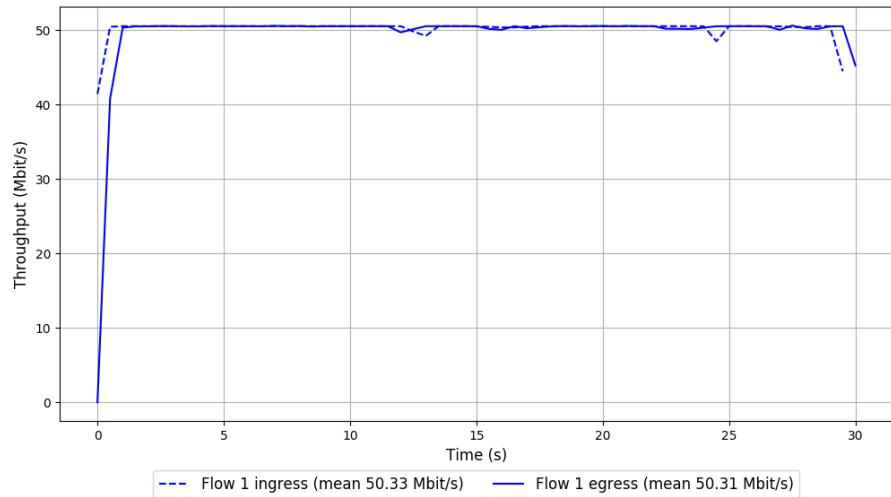


Run 4: Statistics of Sprout

```
Start at: 2019-01-24 15:43:51
End at: 2019-01-24 15:44:21
Local clock offset: -6.683 ms
Remote clock offset: -0.864 ms

# Below is generated by plot.py at 2019-01-24 16:28:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 11.545 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 11.545 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

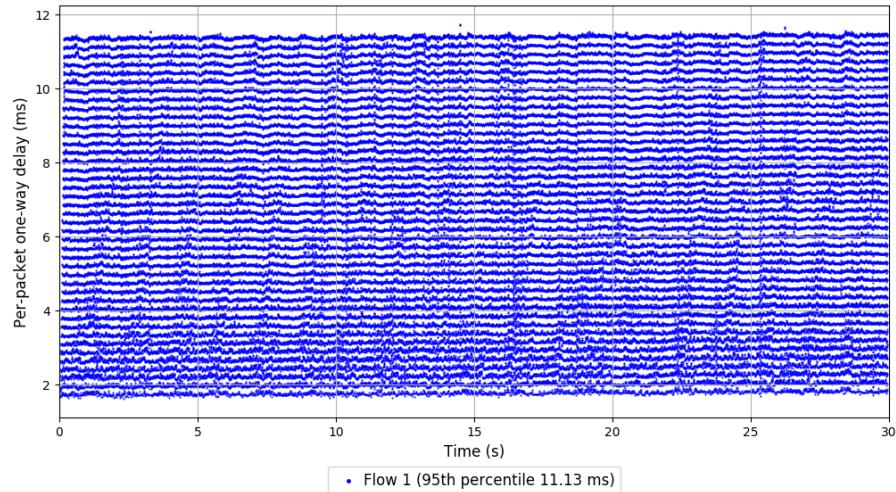
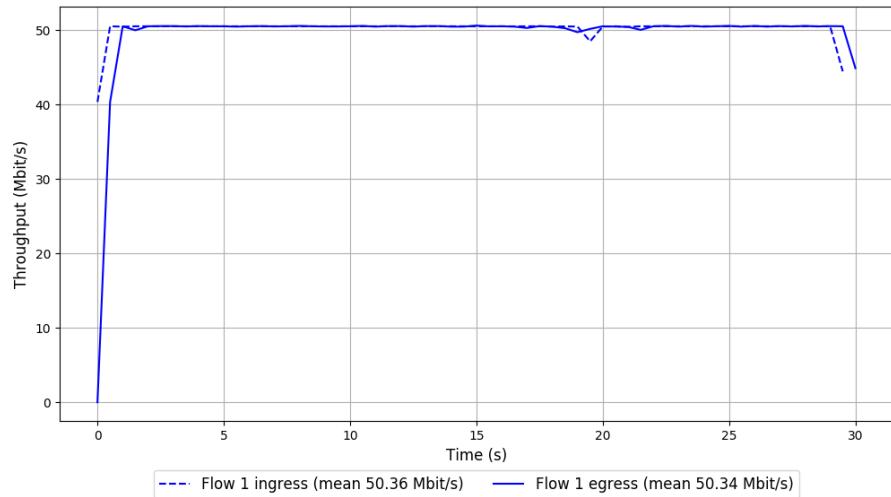


Run 5: Statistics of Sprout

```
Start at: 2019-01-24 16:07:19
End at: 2019-01-24 16:07:49
Local clock offset: -4.359 ms
Remote clock offset: -0.689 ms

# Below is generated by plot.py at 2019-01-24 16:28:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 11.128 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 11.128 ms
Loss rate: 0.00%
```

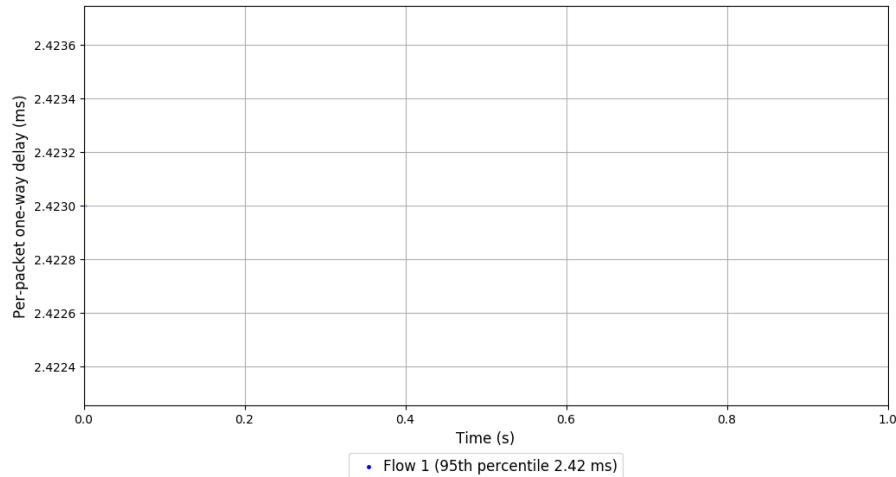
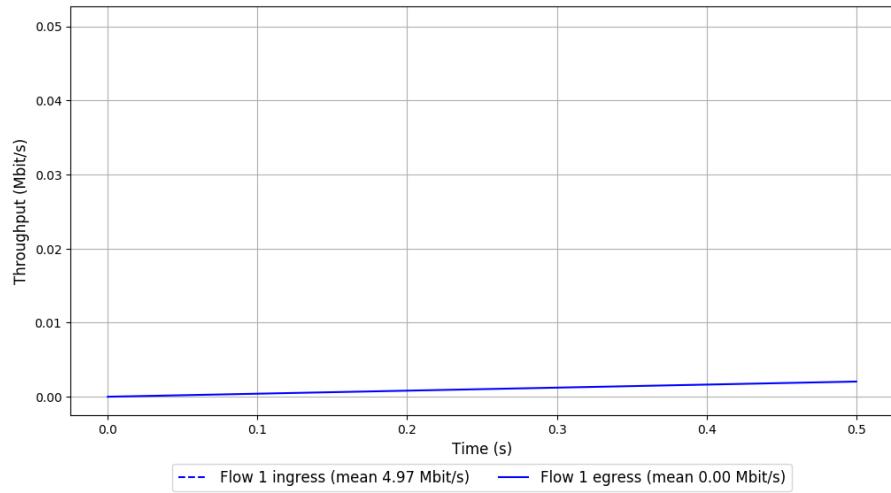
Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-01-24 14:41:17
End at: 2019-01-24 14:41:47
Local clock offset: -8.328 ms
Remote clock offset: -1.209 ms

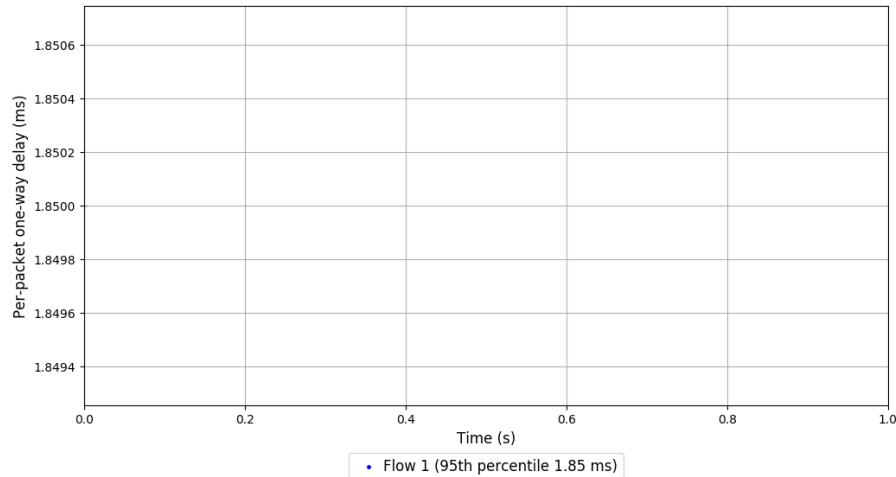
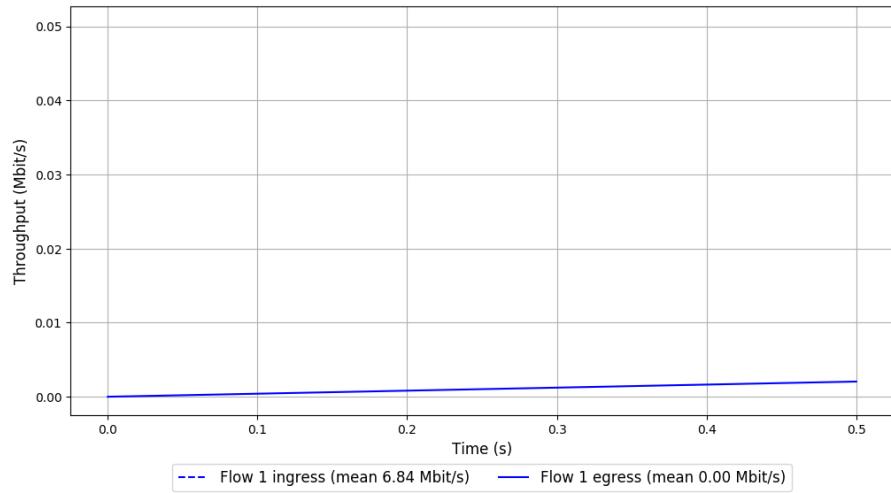
Run 1: Report of TaoVA-100x — Data Link



Run 2: Statistics of TaoVA-100x

Start at: 2019-01-24 15:04:47
End at: 2019-01-24 15:05:17
Local clock offset: -8.698 ms
Remote clock offset: -1.264 ms

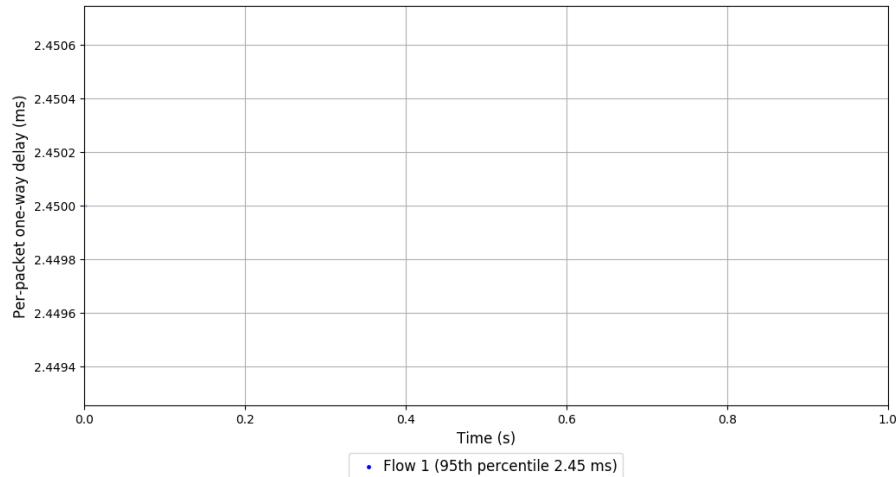
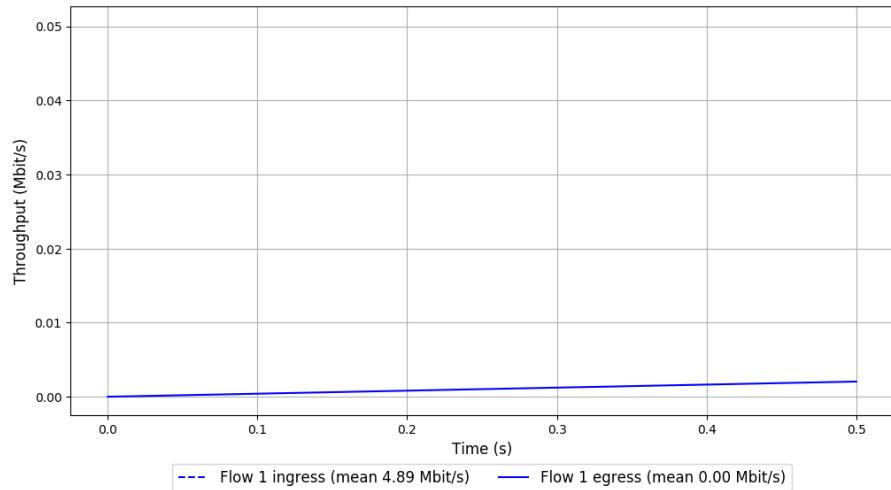
Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: 2019-01-24 15:28:16
End at: 2019-01-24 15:28:46
Local clock offset: -8.515 ms
Remote clock offset: -1.042 ms

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



Run 4: Statistics of TaoVA-100x

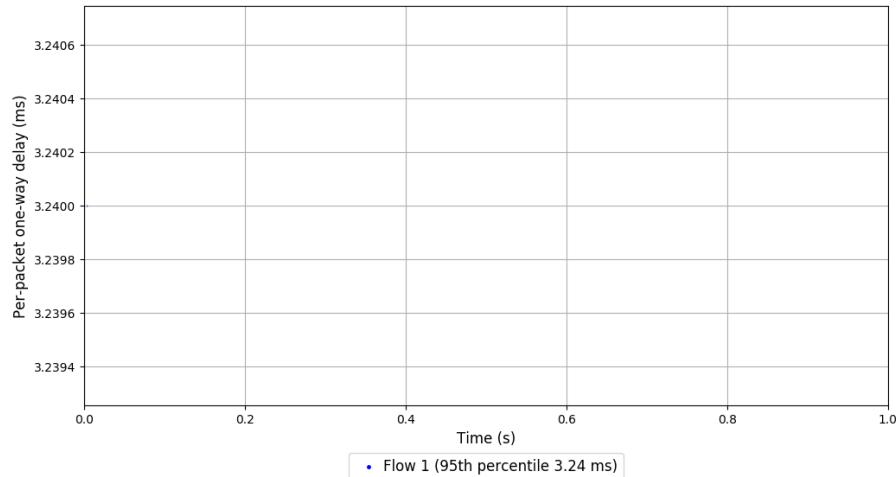
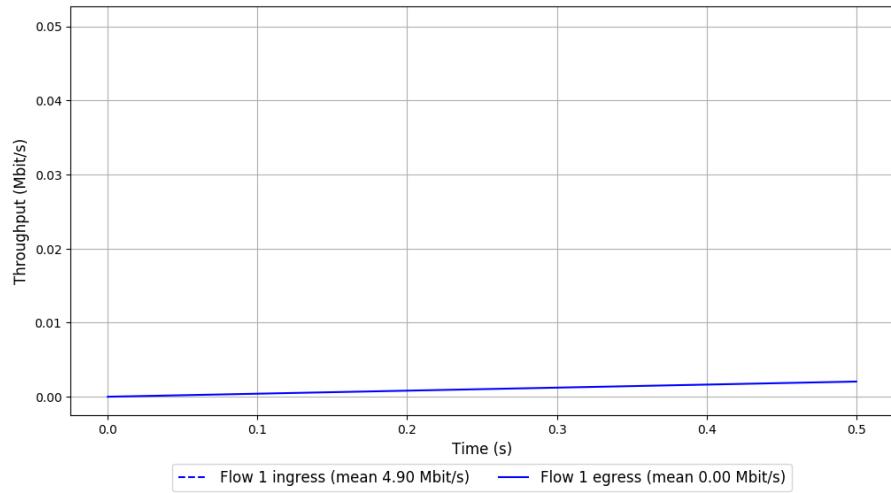
Start at: 2019-01-24 15:51:42

End at: 2019-01-24 15:52:12

Local clock offset: -7.304 ms

Remote clock offset: -0.802 ms

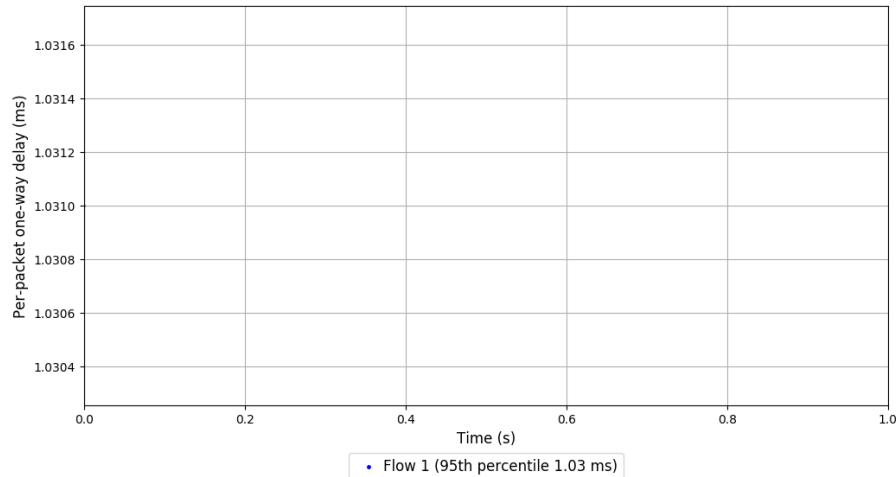
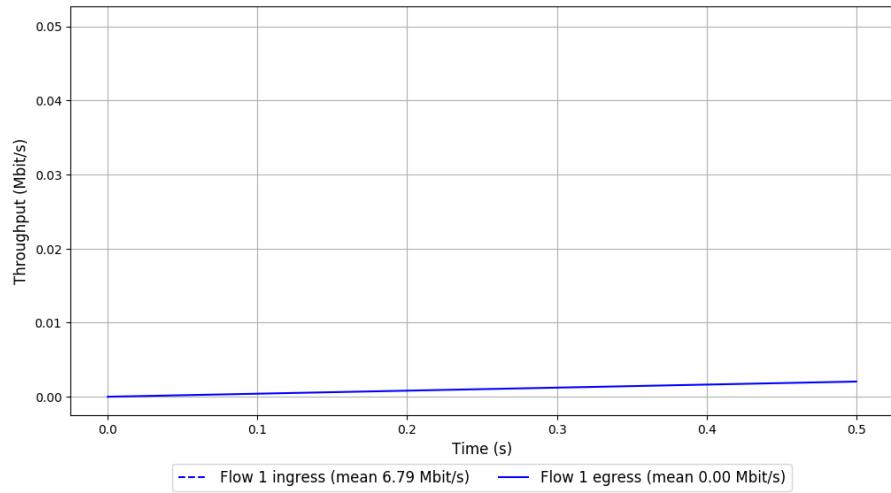
Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: 2019-01-24 16:15:10
End at: 2019-01-24 16:15:40
Local clock offset: -2.123 ms
Remote clock offset: -0.586 ms

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

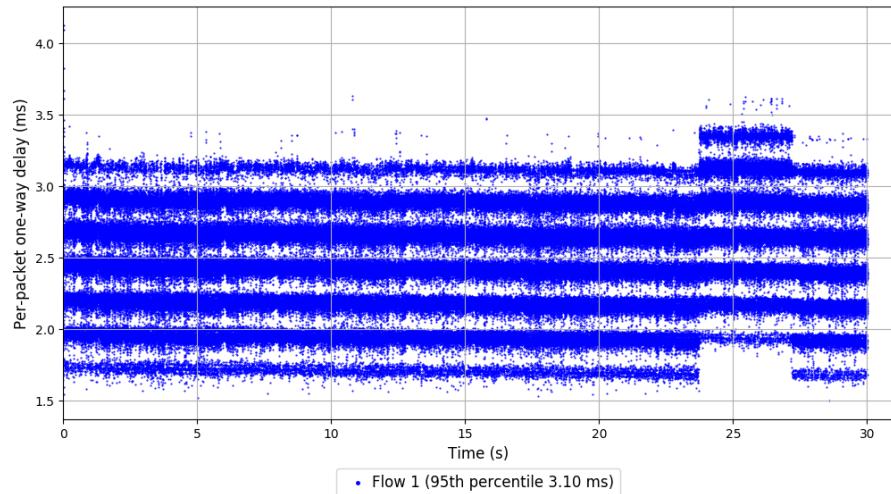
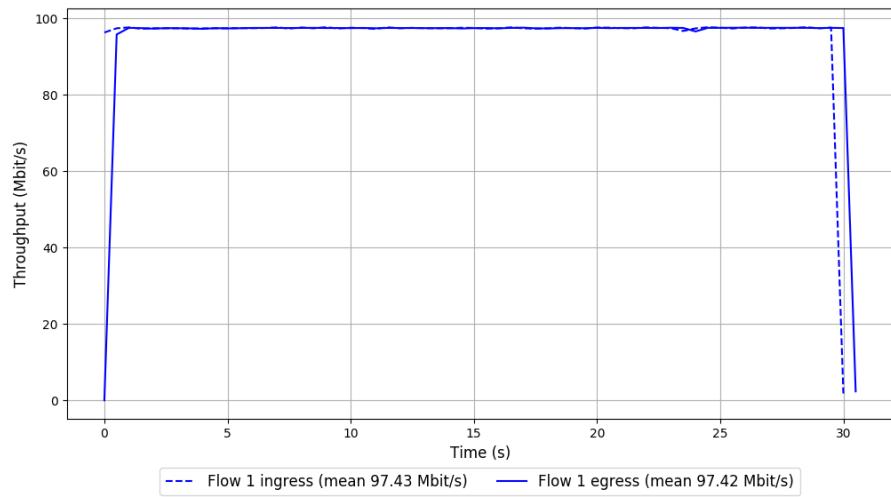


Run 1: Statistics of TCP Vegas

```
Start at: 2019-01-24 14:24:28
End at: 2019-01-24 14:24:58
Local clock offset: -12.626 ms
Remote clock offset: -0.99 ms

# Below is generated by plot.py at 2019-01-24 16:29:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 3.104 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.42 Mbit/s
95th percentile per-packet one-way delay: 3.104 ms
Loss rate: 0.00%
```

Run 1: Report of TCP Vegas — Data Link

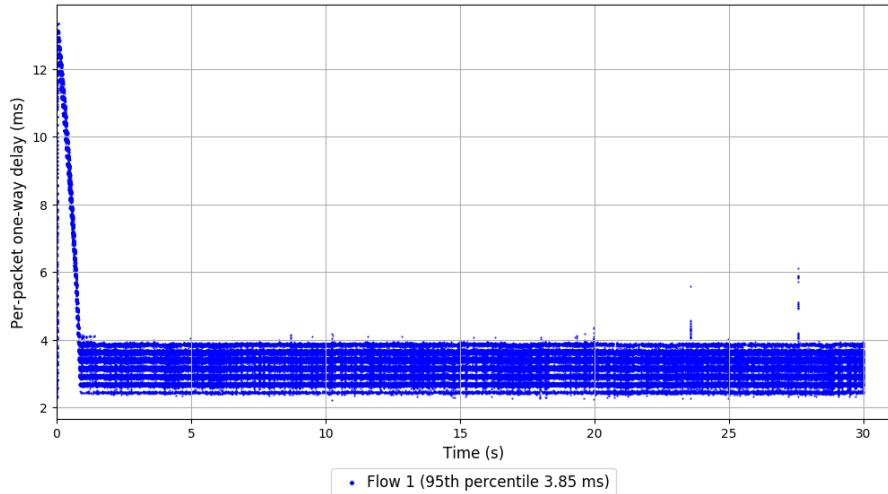
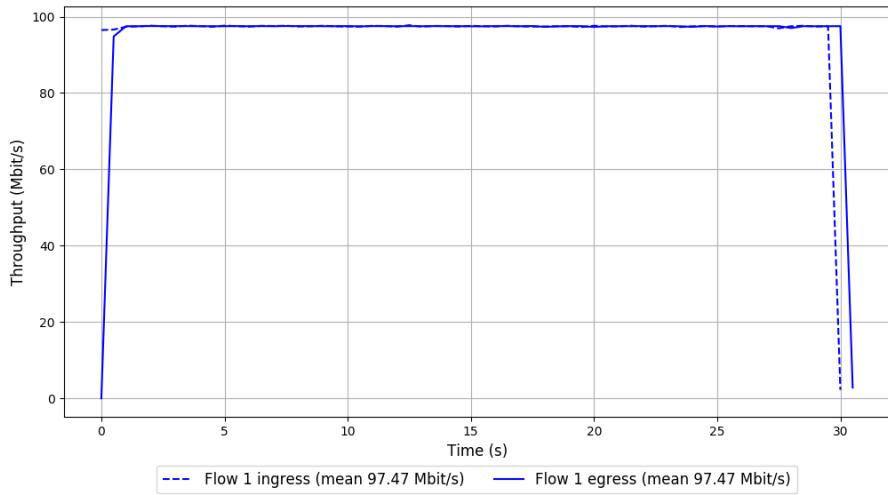


Run 2: Statistics of TCP Vegas

```
Start at: 2019-01-24 14:47:57
End at: 2019-01-24 14:48:27
Local clock offset: -7.852 ms
Remote clock offset: -1.254 ms

# Below is generated by plot.py at 2019-01-24 16:29:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 3.855 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.47 Mbit/s
95th percentile per-packet one-way delay: 3.855 ms
Loss rate: 0.00%
```

Run 2: Report of TCP Vegas — Data Link

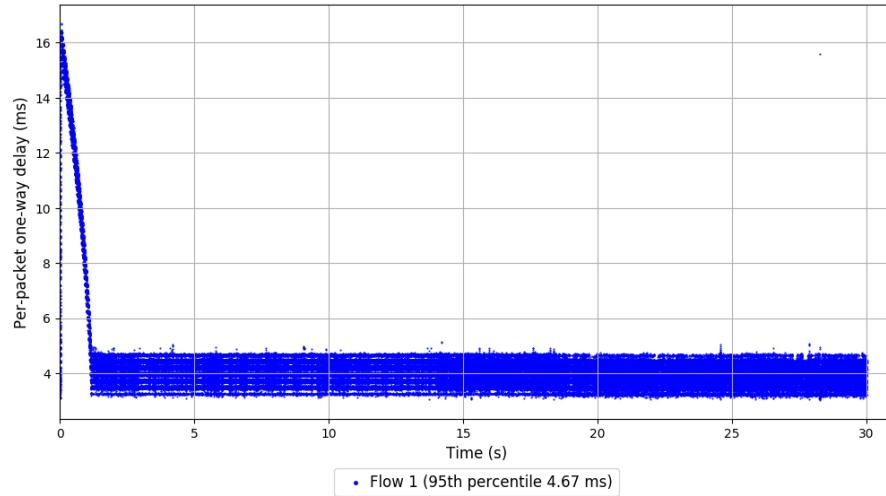
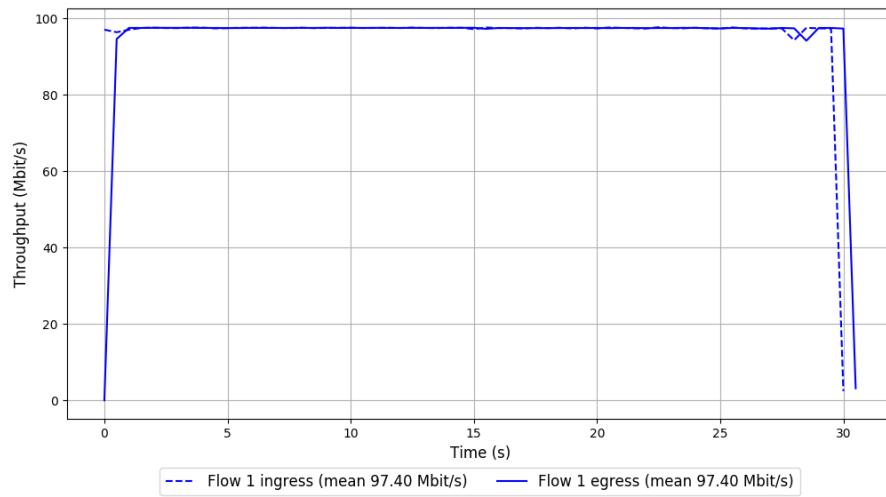


Run 3: Statistics of TCP Vegas

```
Start at: 2019-01-24 15:11:26
End at: 2019-01-24 15:11:56
Local clock offset: -8.561 ms
Remote clock offset: -1.147 ms

# Below is generated by plot.py at 2019-01-24 16:29:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 4.670 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 4.670 ms
Loss rate: 0.00%
```

Run 3: Report of TCP Vegas — Data Link

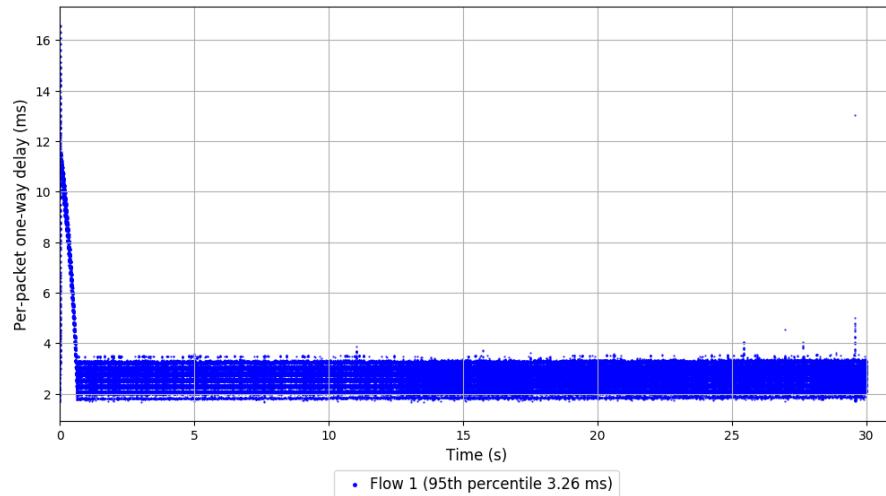
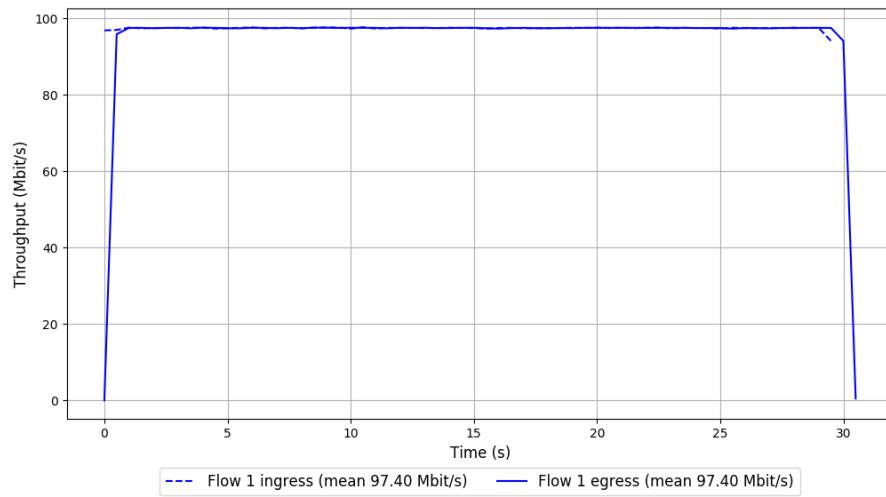


Run 4: Statistics of TCP Vegas

```
Start at: 2019-01-24 15:34:52
End at: 2019-01-24 15:35:22
Local clock offset: -8.259 ms
Remote clock offset: -0.944 ms

# Below is generated by plot.py at 2019-01-24 16:29:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 3.259 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.40 Mbit/s
95th percentile per-packet one-way delay: 3.259 ms
Loss rate: 0.00%
```

Run 4: Report of TCP Vegas — Data Link

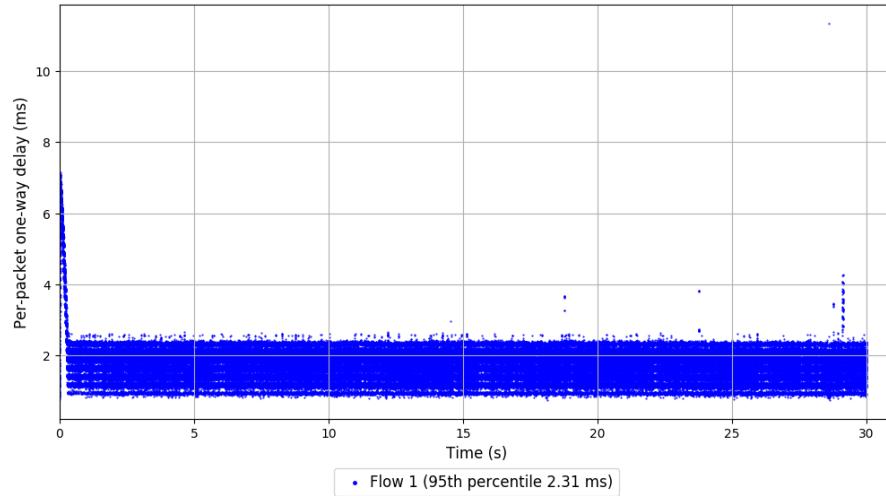
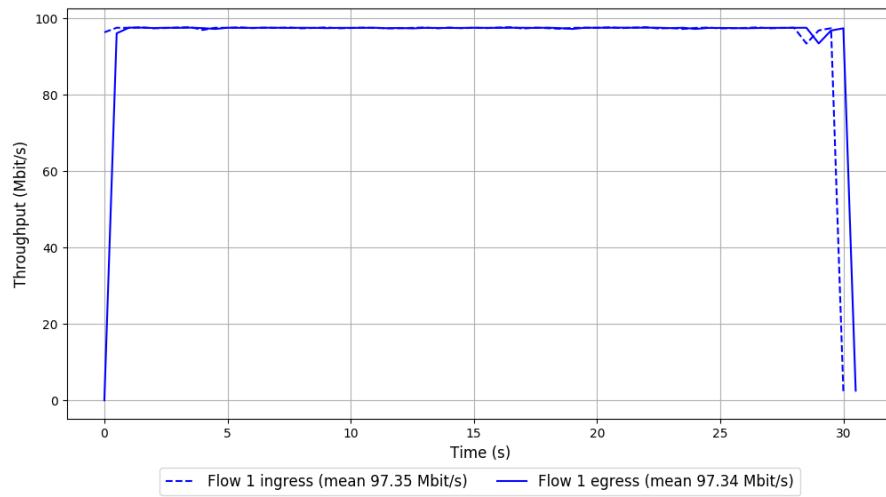


Run 5: Statistics of TCP Vegas

```
Start at: 2019-01-24 15:58:21
End at: 2019-01-24 15:58:51
Local clock offset: -6.47 ms
Remote clock offset: -0.715 ms

# Below is generated by plot.py at 2019-01-24 16:29:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 2.315 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 97.34 Mbit/s
95th percentile per-packet one-way delay: 2.315 ms
Loss rate: 0.00%
```

Run 5: Report of TCP Vegas — Data Link

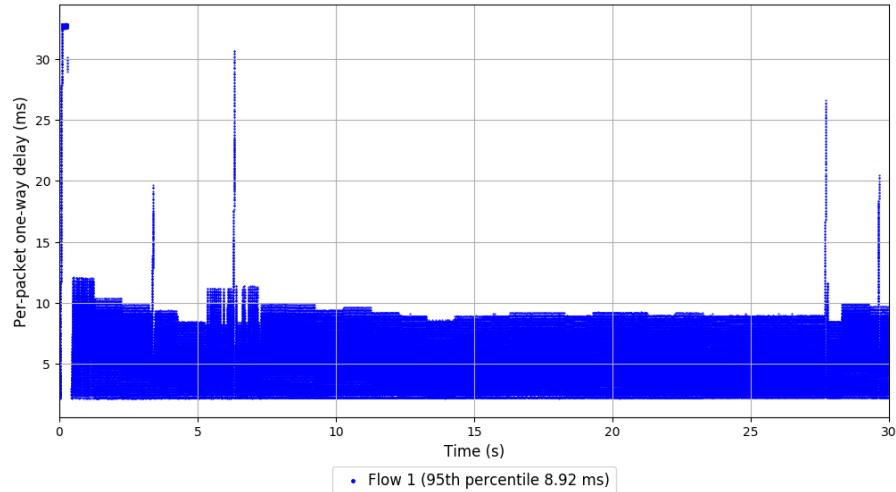
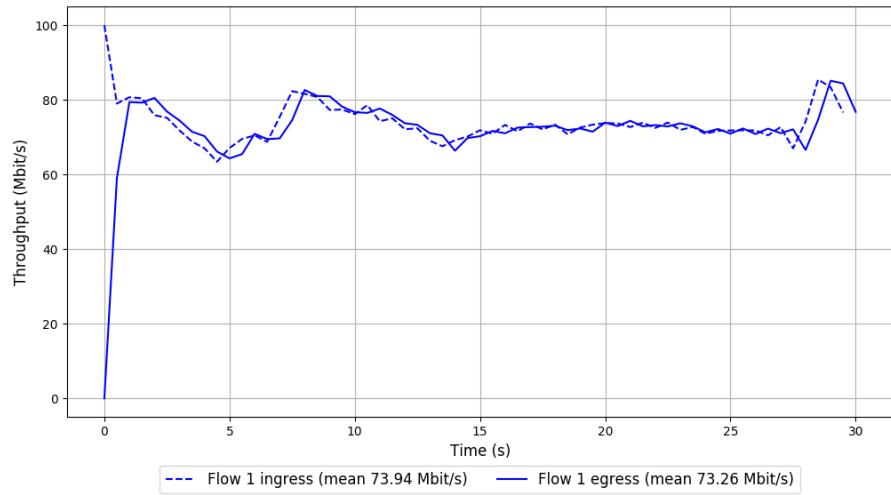


Run 1: Statistics of Verus

```
Start at: 2019-01-24 14:42:22
End at: 2019-01-24 14:42:52
Local clock offset: -8.201 ms
Remote clock offset: -1.275 ms

# Below is generated by plot.py at 2019-01-24 16:29:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.26 Mbit/s
95th percentile per-packet one-way delay: 8.923 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 73.26 Mbit/s
95th percentile per-packet one-way delay: 8.923 ms
Loss rate: 0.92%
```

Run 1: Report of Verus — Data Link

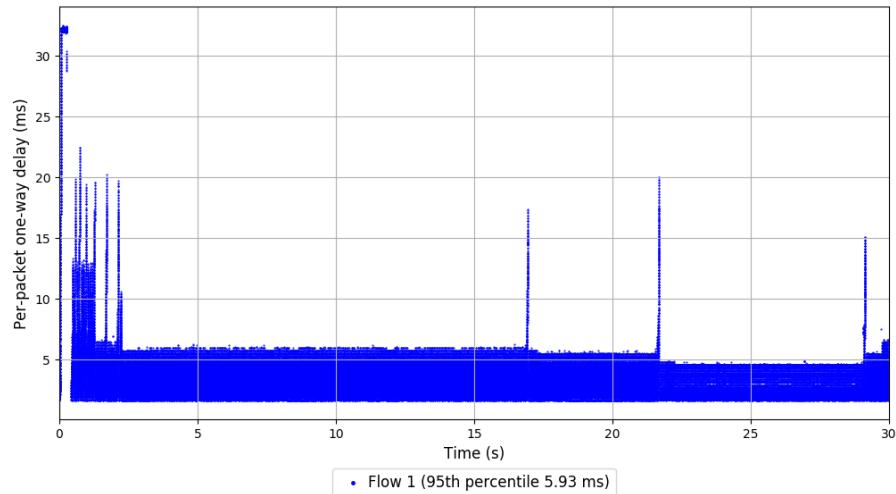
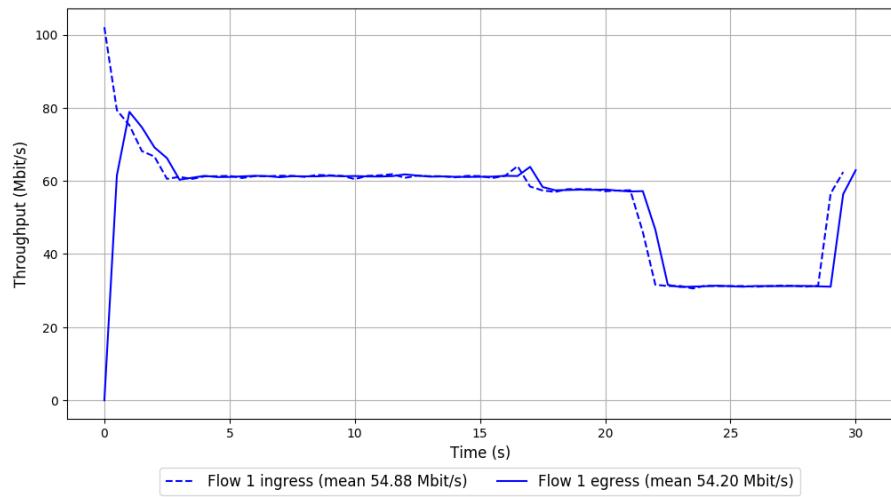


Run 2: Statistics of Verus

```
Start at: 2019-01-24 15:05:51
End at: 2019-01-24 15:06:21
Local clock offset: -8.647 ms
Remote clock offset: -1.157 ms

# Below is generated by plot.py at 2019-01-24 16:29:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.20 Mbit/s
95th percentile per-packet one-way delay: 5.926 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 54.20 Mbit/s
95th percentile per-packet one-way delay: 5.926 ms
Loss rate: 1.23%
```

Run 2: Report of Verus — Data Link

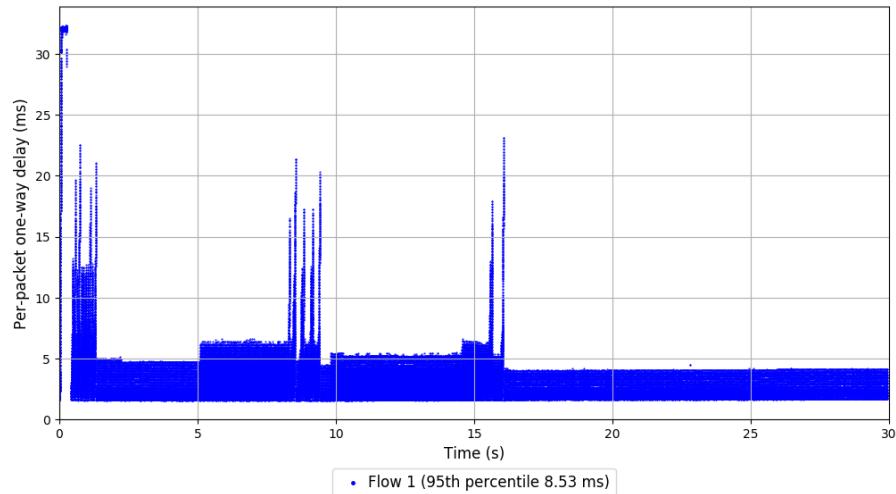
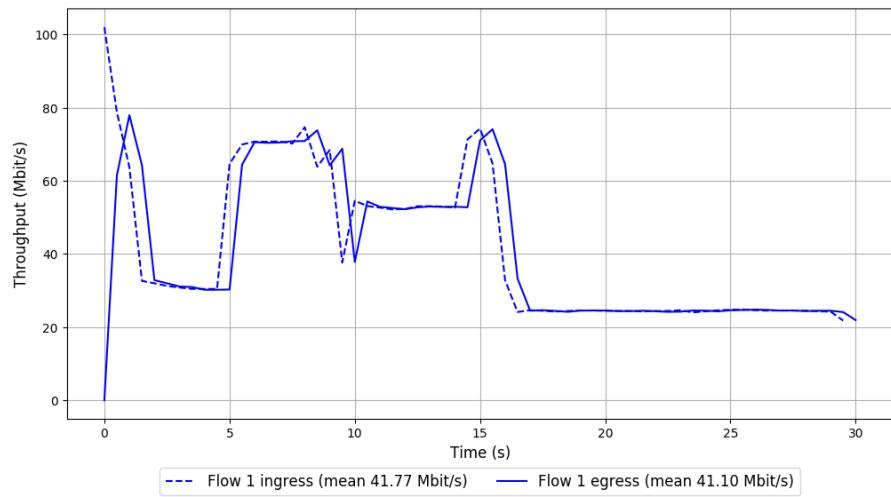


Run 3: Statistics of Verus

```
Start at: 2019-01-24 15:29:20
End at: 2019-01-24 15:29:50
Local clock offset: -9.327 ms
Remote clock offset: -0.948 ms

# Below is generated by plot.py at 2019-01-24 16:29:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.10 Mbit/s
95th percentile per-packet one-way delay: 8.528 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 41.10 Mbit/s
95th percentile per-packet one-way delay: 8.528 ms
Loss rate: 1.62%
```

Run 3: Report of Verus — Data Link

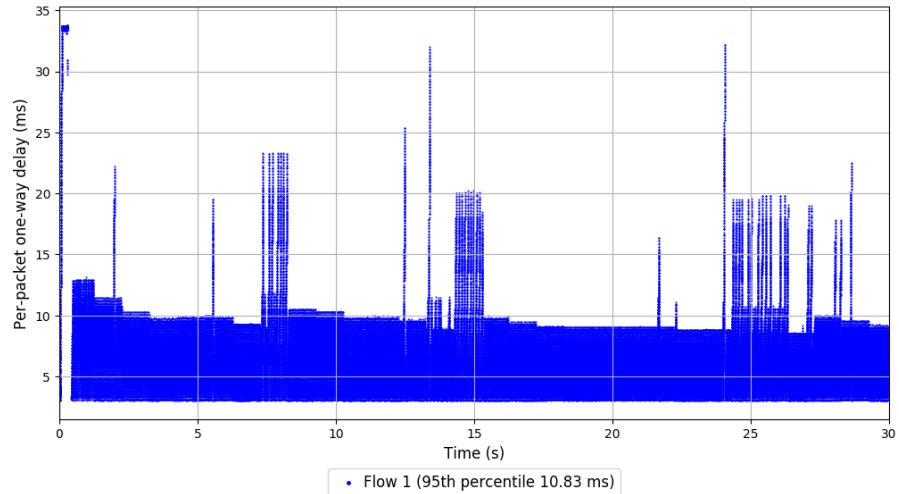
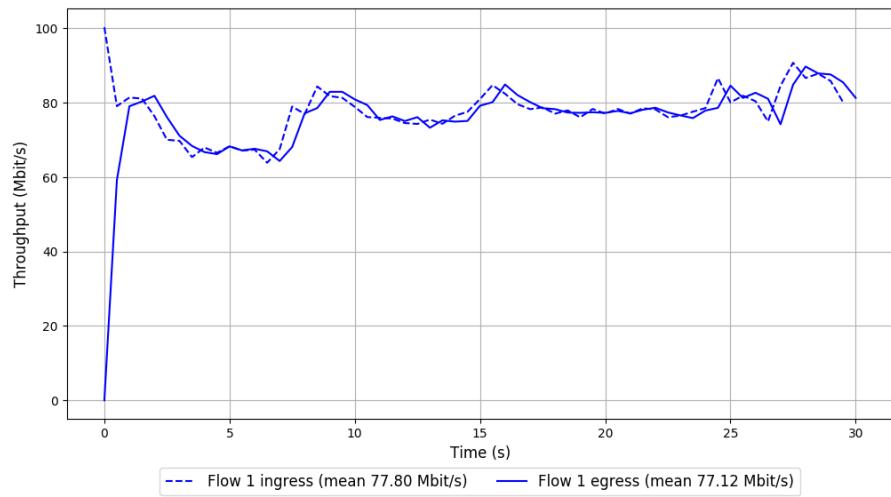


Run 4: Statistics of Verus

```
Start at: 2019-01-24 15:52:46
End at: 2019-01-24 15:53:17
Local clock offset: -7.306 ms
Remote clock offset: -0.761 ms

# Below is generated by plot.py at 2019-01-24 16:29:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.12 Mbit/s
95th percentile per-packet one-way delay: 10.828 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 77.12 Mbit/s
95th percentile per-packet one-way delay: 10.828 ms
Loss rate: 0.87%
```

Run 4: Report of Verus — Data Link

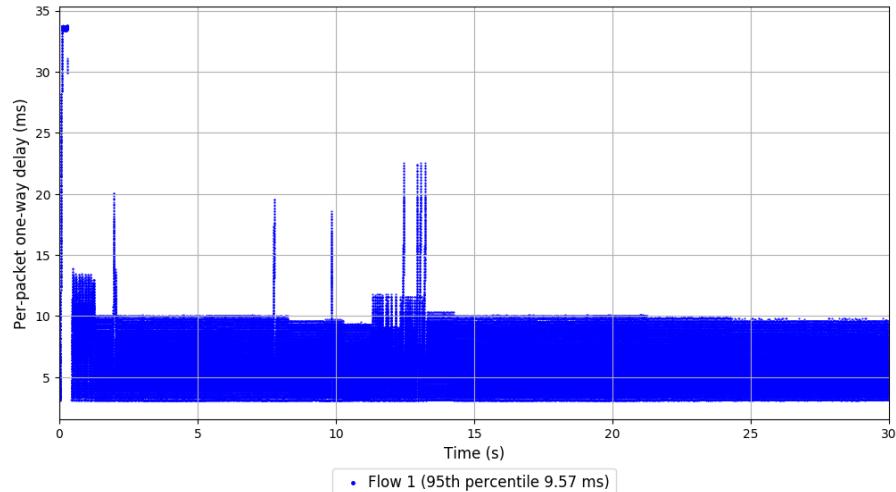
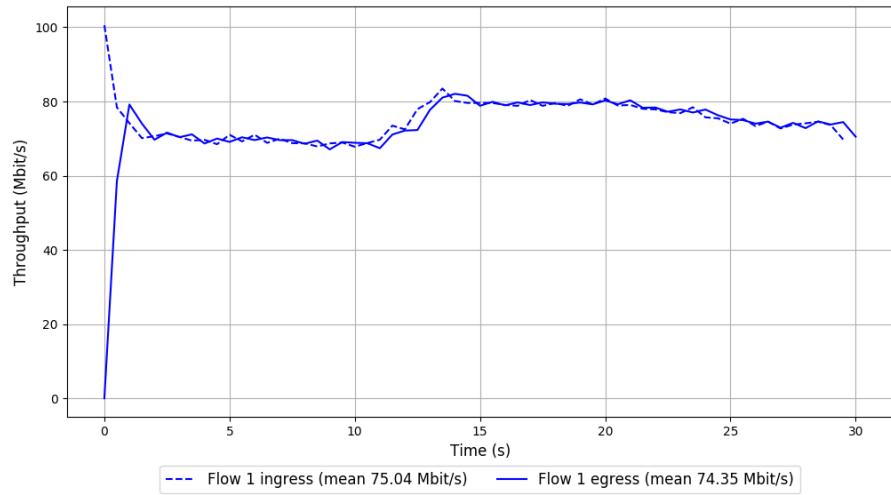


Run 5: Statistics of Verus

```
Start at: 2019-01-24 16:16:15
End at: 2019-01-24 16:16:45
Local clock offset: -2.757 ms
Remote clock offset: -0.491 ms

# Below is generated by plot.py at 2019-01-24 16:29:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.35 Mbit/s
95th percentile per-packet one-way delay: 9.574 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 74.35 Mbit/s
95th percentile per-packet one-way delay: 9.574 ms
Loss rate: 0.90%
```

Run 5: Report of Verus — Data Link

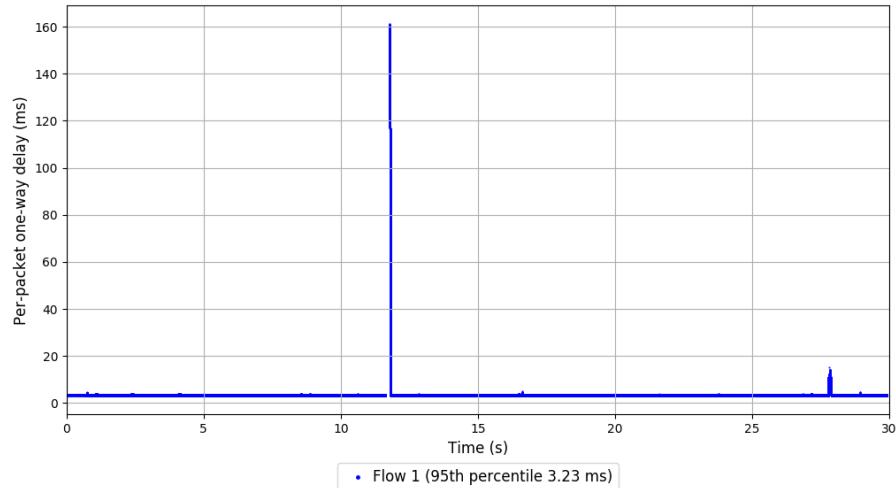
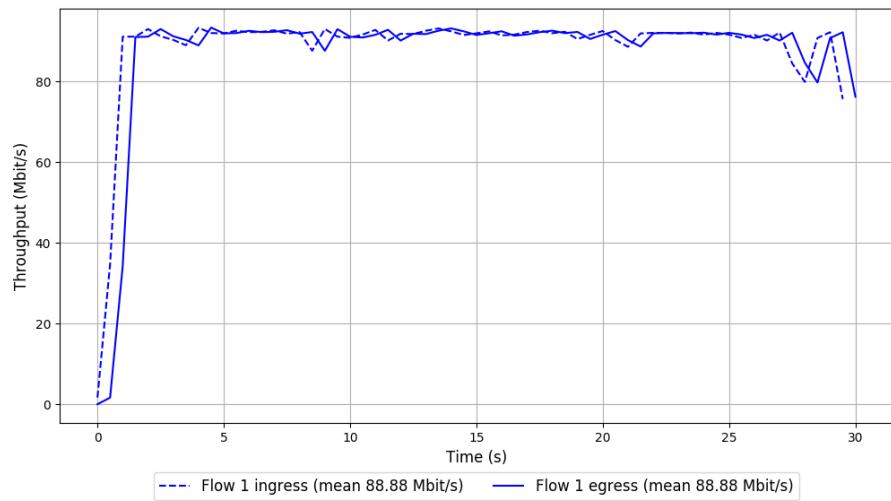


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-01-24 14:23:19
End at: 2019-01-24 14:23:49
Local clock offset: -12.481 ms
Remote clock offset: -0.969 ms

# Below is generated by plot.py at 2019-01-24 16:30:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.88 Mbit/s
95th percentile per-packet one-way delay: 3.228 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.88 Mbit/s
95th percentile per-packet one-way delay: 3.228 ms
Loss rate: 0.00%
```

Run 1: Report of PCC-Vivace — Data Link

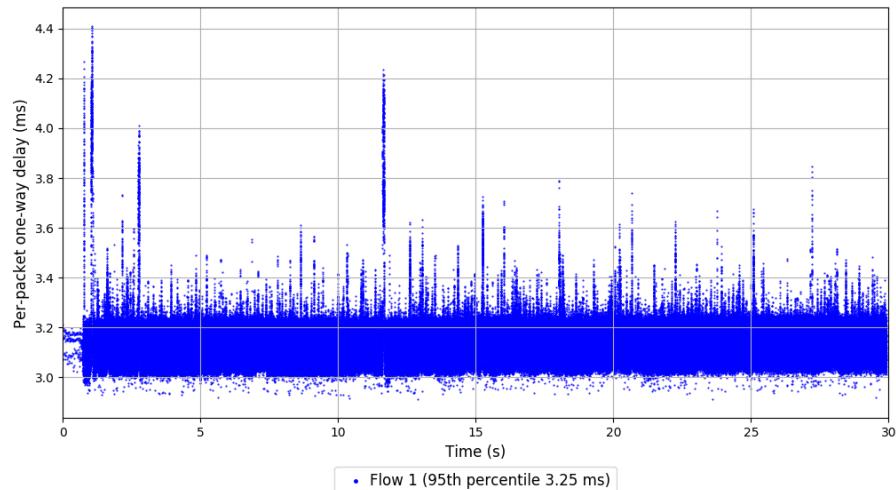
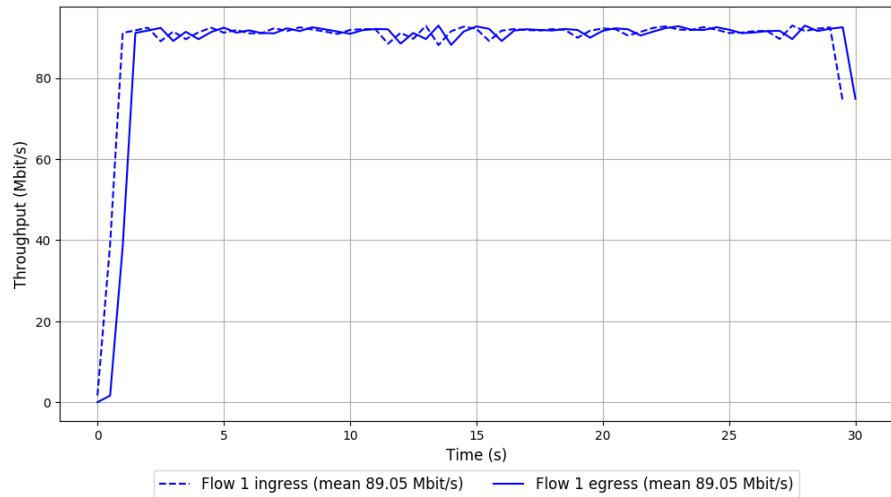


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-01-24 14:46:48
End at: 2019-01-24 14:47:18
Local clock offset: -8.663 ms
Remote clock offset: -1.254 ms

# Below is generated by plot.py at 2019-01-24 16:30:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.05 Mbit/s
95th percentile per-packet one-way delay: 3.250 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.05 Mbit/s
95th percentile per-packet one-way delay: 3.250 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Vivace — Data Link

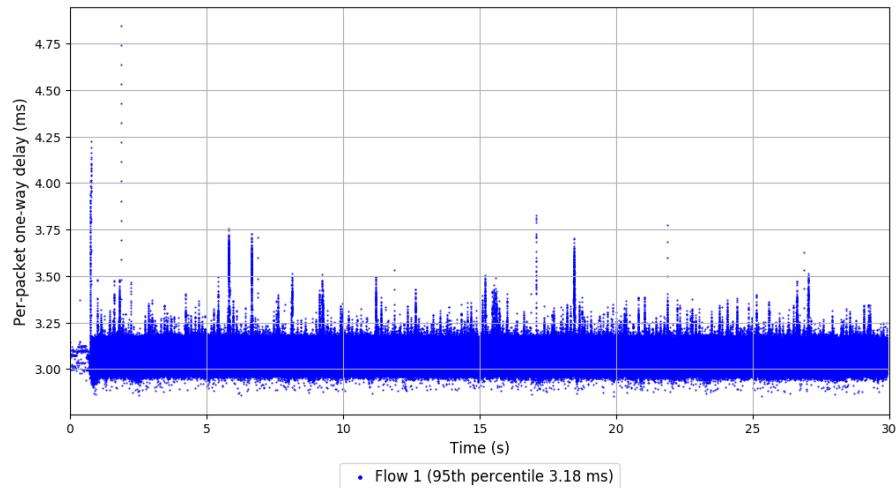
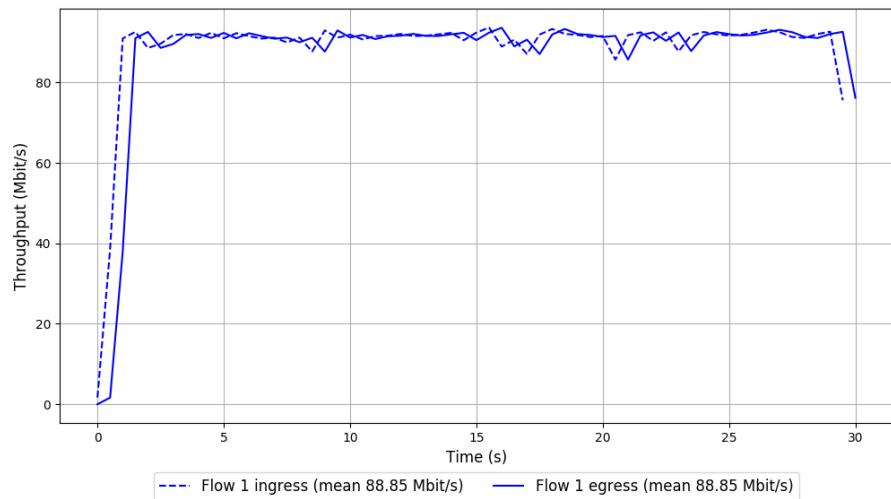


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-01-24 15:10:17
End at: 2019-01-24 15:10:47
Local clock offset: -8.561 ms
Remote clock offset: -1.252 ms

# Below is generated by plot.py at 2019-01-24 16:30:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.85 Mbit/s
95th percentile per-packet one-way delay: 3.177 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 88.85 Mbit/s
95th percentile per-packet one-way delay: 3.177 ms
Loss rate: 0.00%
```

Run 3: Report of PCC-Vivace — Data Link

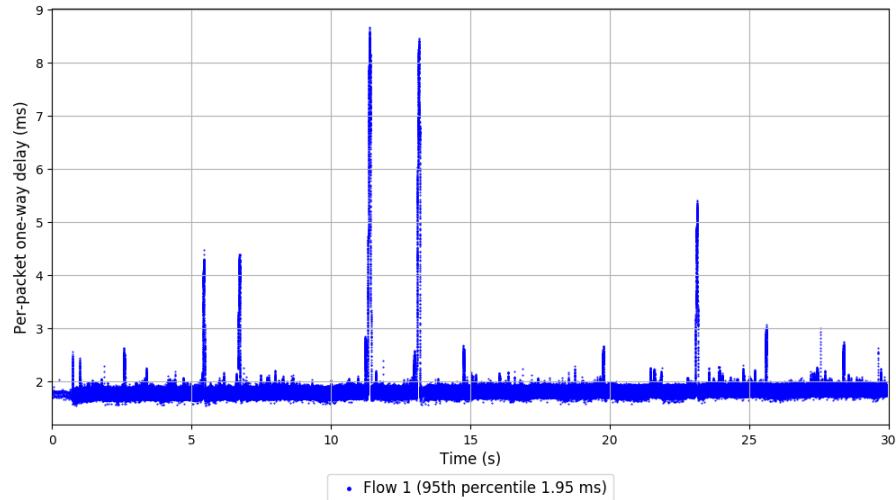
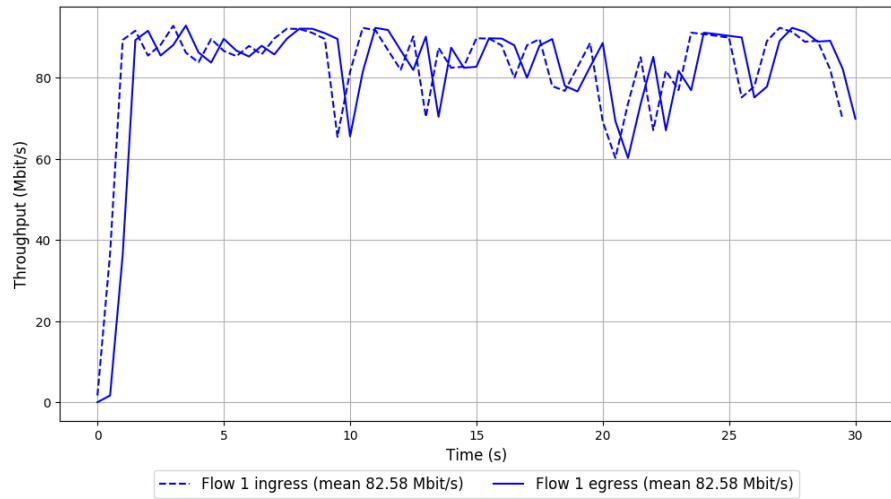


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-01-24 15:33:44
End at: 2019-01-24 15:34:14
Local clock offset: -8.432 ms
Remote clock offset: -0.92 ms

# Below is generated by plot.py at 2019-01-24 16:30:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.58 Mbit/s
95th percentile per-packet one-way delay: 1.954 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.58 Mbit/s
95th percentile per-packet one-way delay: 1.954 ms
Loss rate: 0.00%
```

Run 4: Report of PCC-Vivace — Data Link

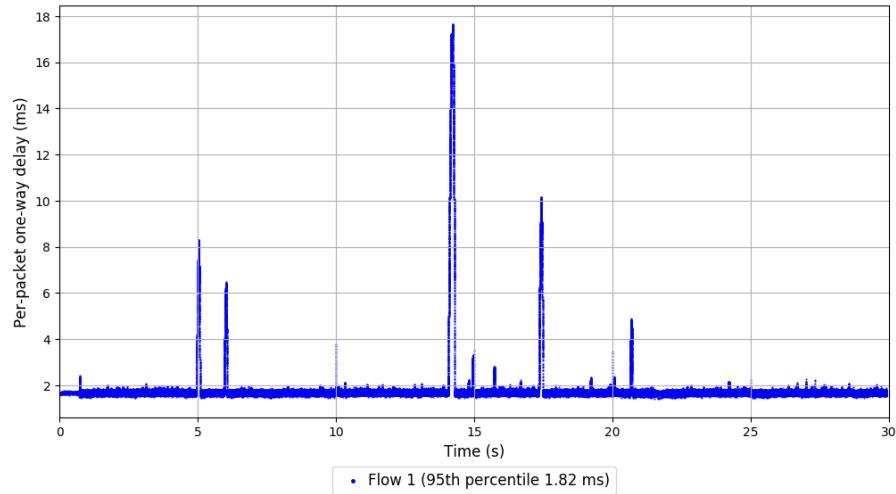
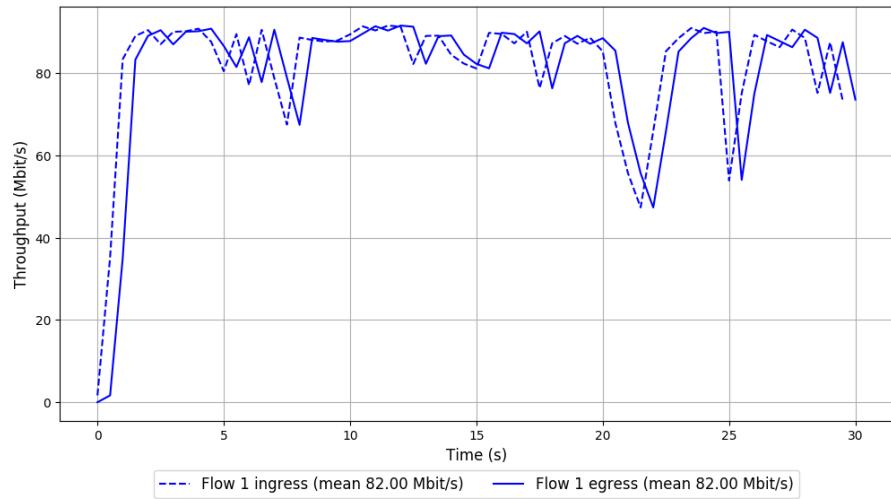


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-01-24 15:57:13
End at: 2019-01-24 15:57:43
Local clock offset: -7.237 ms
Remote clock offset: -0.711 ms

# Below is generated by plot.py at 2019-01-24 16:30:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.00 Mbit/s
95th percentile per-packet one-way delay: 1.823 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 82.00 Mbit/s
95th percentile per-packet one-way delay: 1.823 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Vivace — Data Link

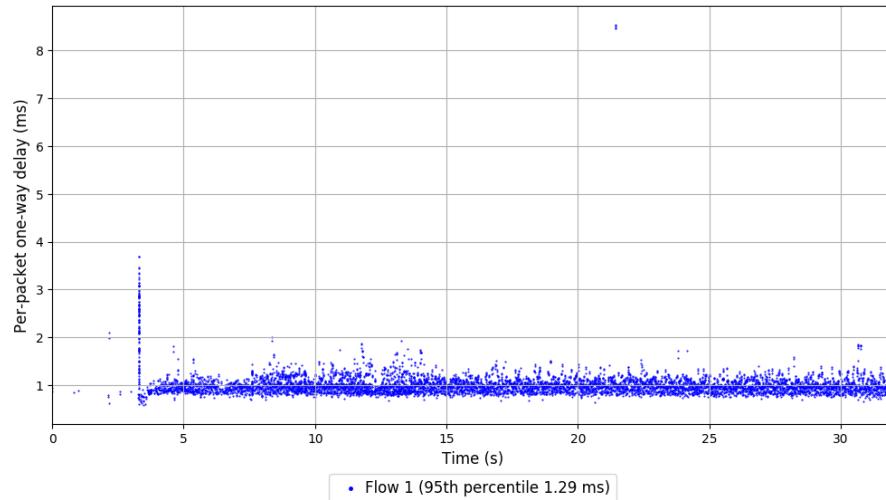
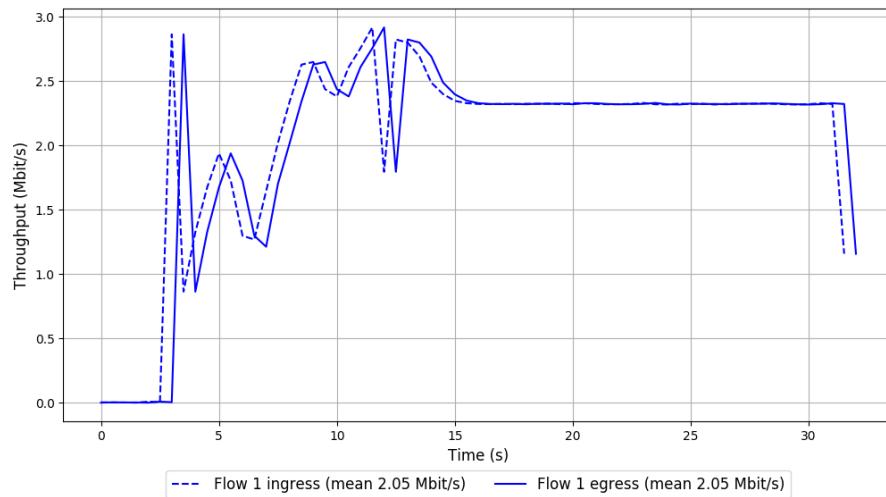


```
Run 1: Statistics of WebRTC media

Start at: 2019-01-24 14:29:00
End at: 2019-01-24 14:29:30
Local clock offset: -12.412 ms
Remote clock offset: -1.026 ms

# Below is generated by plot.py at 2019-01-24 16:30:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 1.293 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 1.293 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

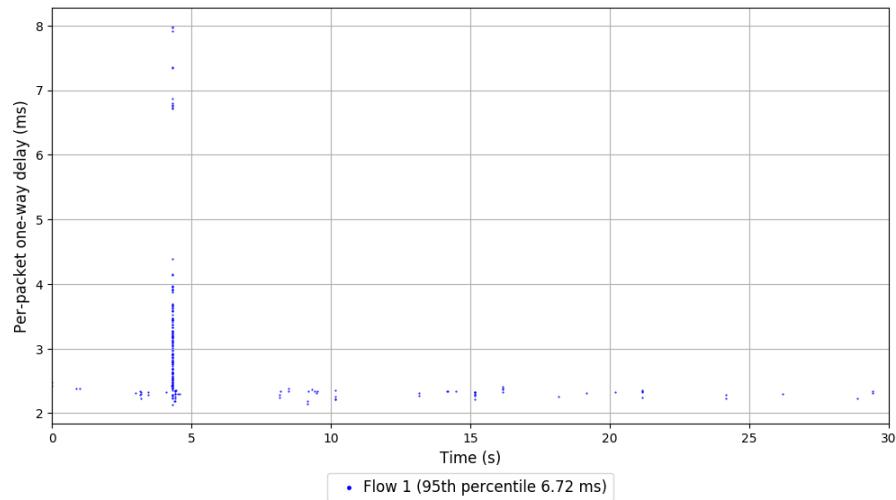
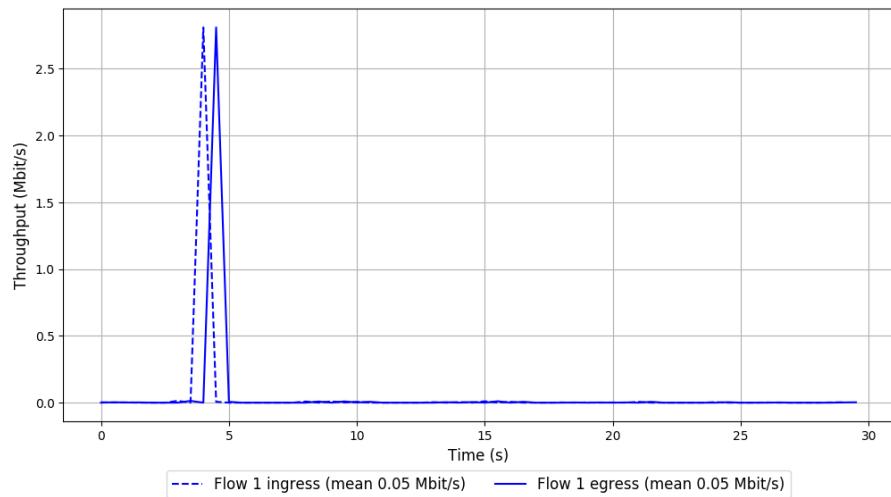


Run 2: Statistics of WebRTC media

```
Start at: 2019-01-24 14:52:30
End at: 2019-01-24 14:53:00
Local clock offset: -7.887 ms
Remote clock offset: -1.295 ms

# Below is generated by plot.py at 2019-01-24 16:30:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 6.718 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 6.718 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

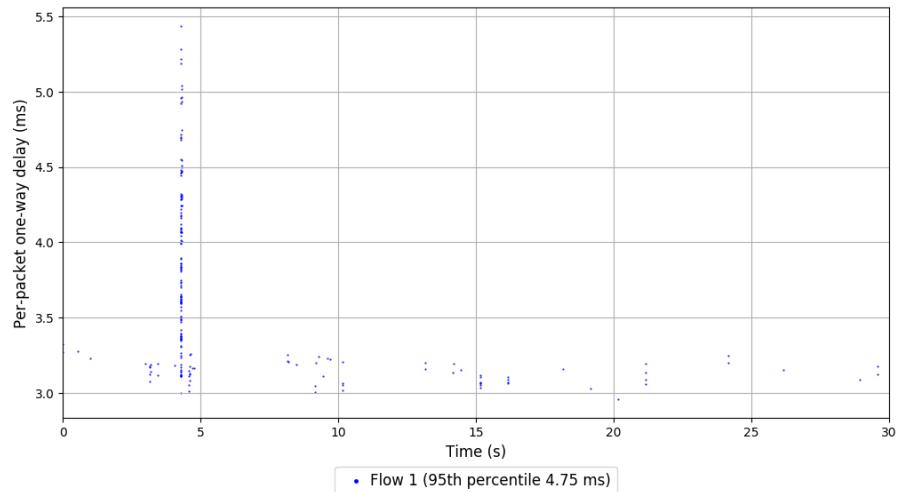
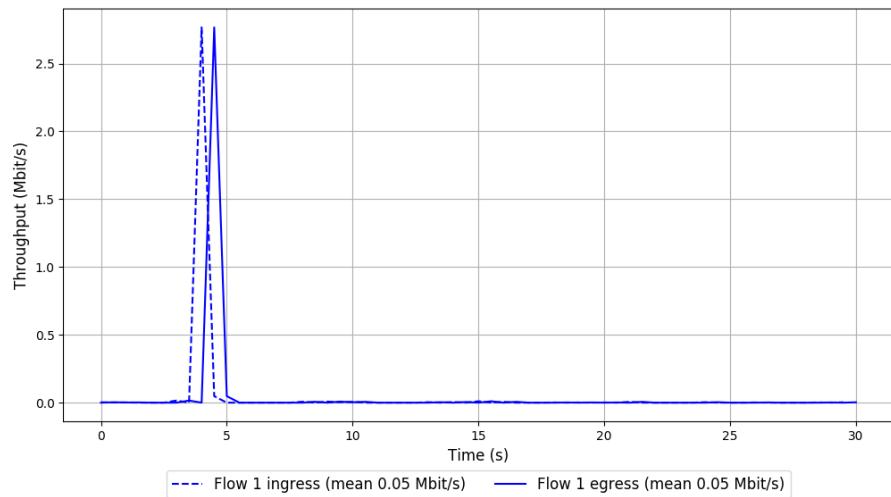


Run 3: Statistics of WebRTC media

```
Start at: 2019-01-24 15:15:58
End at: 2019-01-24 15:16:28
Local clock offset: -8.752 ms
Remote clock offset: -1.143 ms

# Below is generated by plot.py at 2019-01-24 16:30:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.746 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 4.746 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

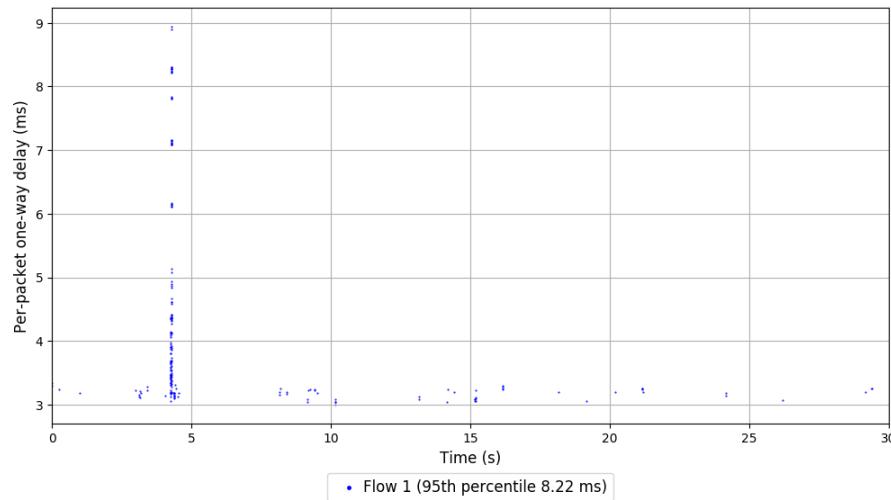
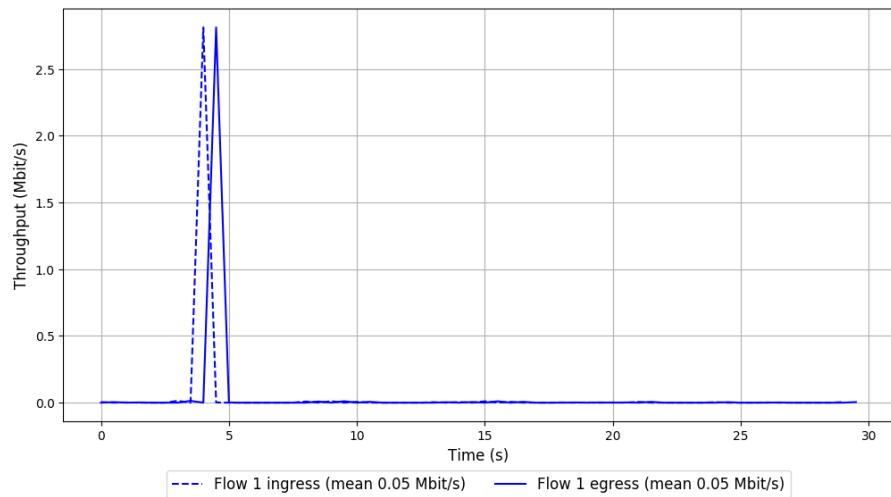


Run 4: Statistics of WebRTC media

```
Start at: 2019-01-24 15:39:25
End at: 2019-01-24 15:39:55
Local clock offset: -7.724 ms
Remote clock offset: -0.837 ms

# Below is generated by plot.py at 2019-01-24 16:30:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 8.220 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 8.220 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-01-24 16:02:54
End at: 2019-01-24 16:03:24
Local clock offset: -5.076 ms
Remote clock offset: -0.674 ms

# Below is generated by plot.py at 2019-01-24 16:30:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.834 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 3.834 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

