

Pantheon Report

Generated at 2019-01-24 16:37:01 (UTC).
Data path: AWS California 2 on `ens5` (*local*) → Mexico on `em1` (*remote*).
Repeated the test of 21 congestion control schemes 5 times.
Each test lasted for 30 seconds running 1 flow.
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

System info:

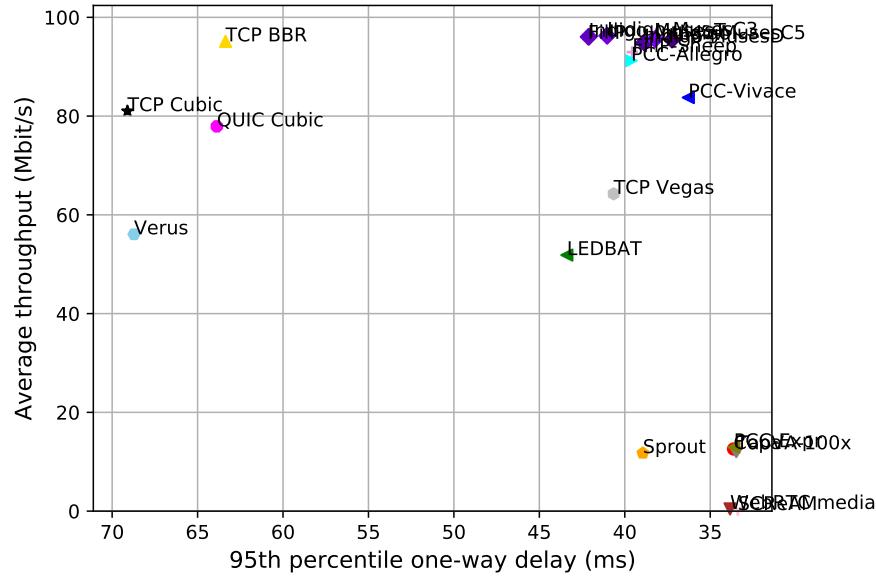
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

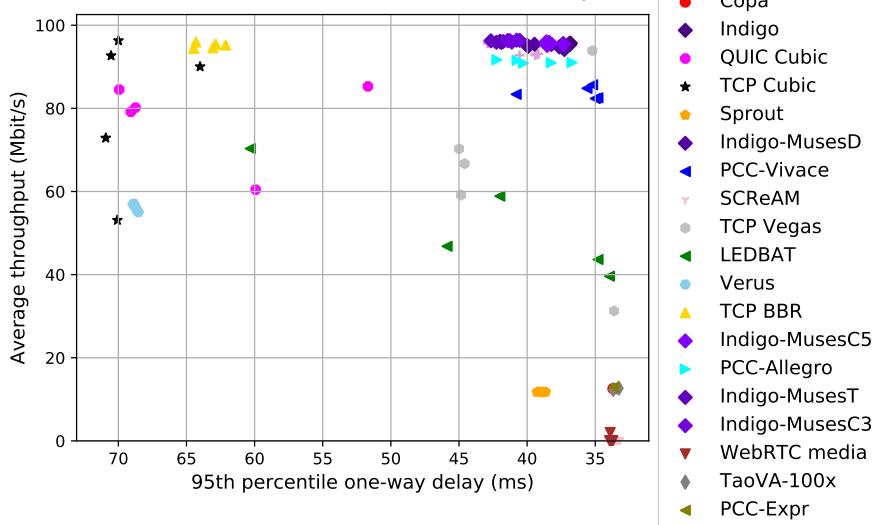
```
branch: muses @ 0b8e9a949603c3842368430acf469eec3b941f9f
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
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

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



test from AWS California 2 to Mexico, 5 runs of 30s each per scheme



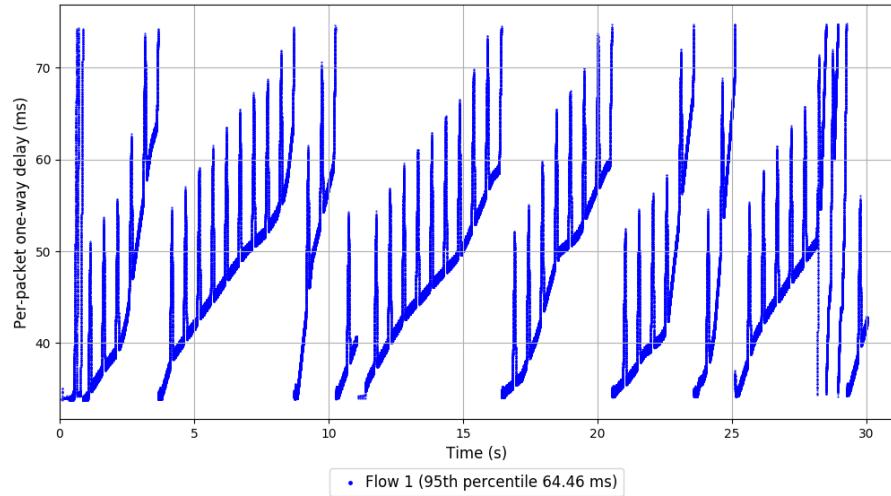
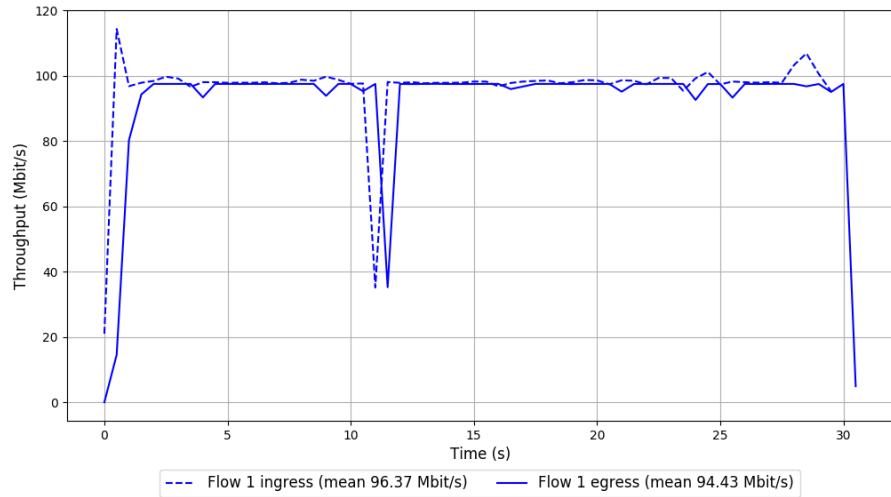
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	95.13	63.36	1.76
Copa	3	12.58	33.64	71.42
TCP Cubic	5	81.00	69.10	0.60
FillP	5	95.64	42.17	0.70
FillP-Sheep	5	92.96	39.56	0.47
Indigo	5	95.51	37.24	0.04
Indigo-MusesC3	5	96.27	41.03	0.04
Indigo-MusesC5	5	95.60	38.23	0.14
Indigo-MusesD	5	94.90	38.86	0.04
Indigo-MusesT	5	96.05	42.11	0.77
LEDBAT	5	51.85	43.39	0.03
PCC-Allegro	5	91.22	39.63	0.70
PCC-Expr	1	12.95	33.62	42.77
QUIC Cubic	5	77.92	63.87	1.33
SCReAM	5	0.21	33.39	0.00
Sprout	5	11.76	38.94	0.12
TaoVA-100x	2	12.52	33.48	77.64
TCP Vegas	5	64.25	40.65	0.39
Verus	5	56.06	68.72	23.07
PCC-Vivace	5	83.75	36.28	0.11
WebRTC media	5	0.45	33.84	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-01-24 14:32:49
End at: 2019-01-24 14:33:19
Local clock offset: -11.984 ms
Remote clock offset: -0.821 ms

# Below is generated by plot.py at 2019-01-24 16:27:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 64.463 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 94.43 Mbit/s
95th percentile per-packet one-way delay: 64.463 ms
Loss rate: 1.99%
```

Run 1: Report of TCP BBR — Data Link

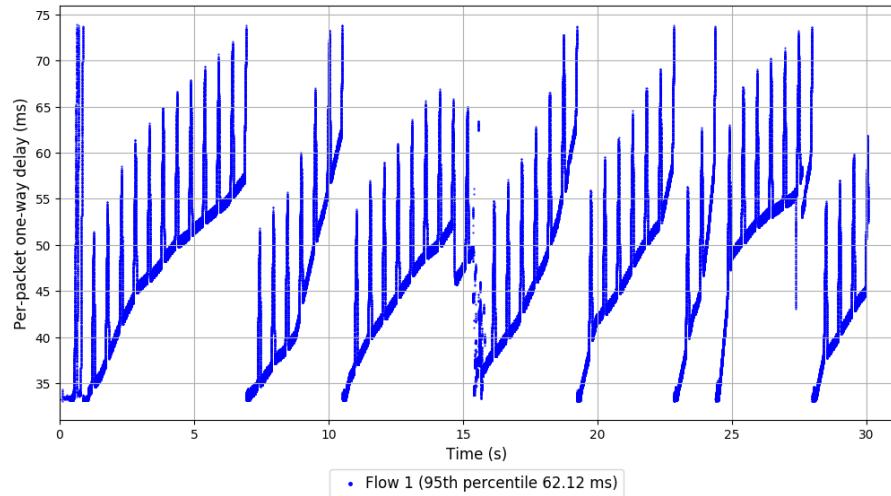
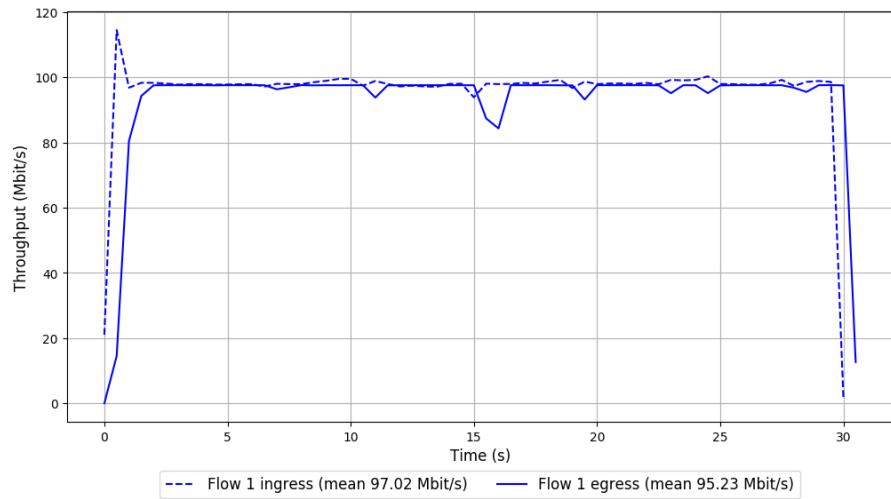


Run 2: Statistics of TCP BBR

```
Start at: 2019-01-24 14:57:32
End at: 2019-01-24 14:58:02
Local clock offset: -8.024 ms
Remote clock offset: -0.386 ms

# Below is generated by plot.py at 2019-01-24 16:27:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 62.122 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 62.122 ms
Loss rate: 1.78%
```

Run 2: Report of TCP BBR — Data Link

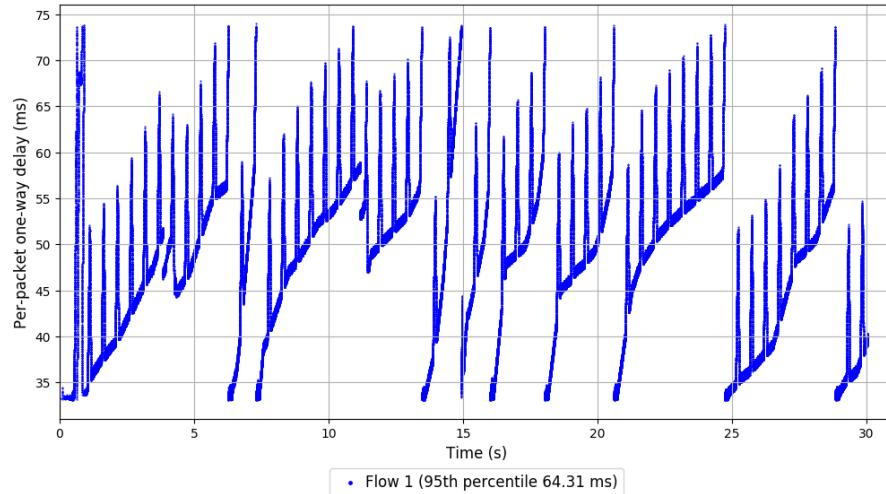
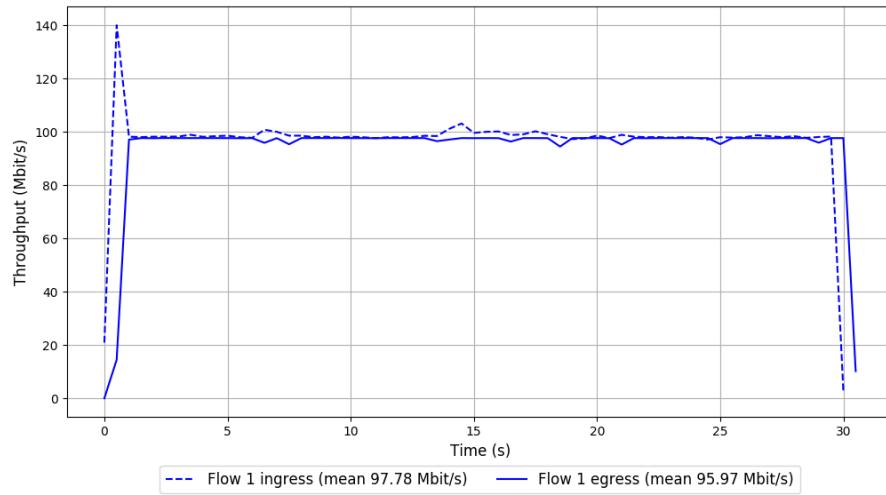


Run 3: Statistics of TCP BBR

```
Start at: 2019-01-24 15:23:06
End at: 2019-01-24 15:23:36
Local clock offset: -3.777 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2019-01-24 16:28:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 64.312 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 64.312 ms
Loss rate: 1.83%
```

Run 3: Report of TCP BBR — Data Link

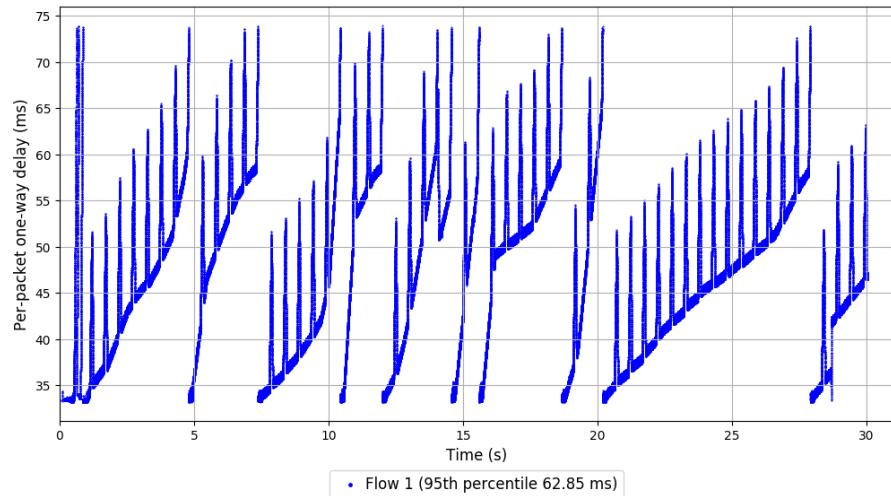
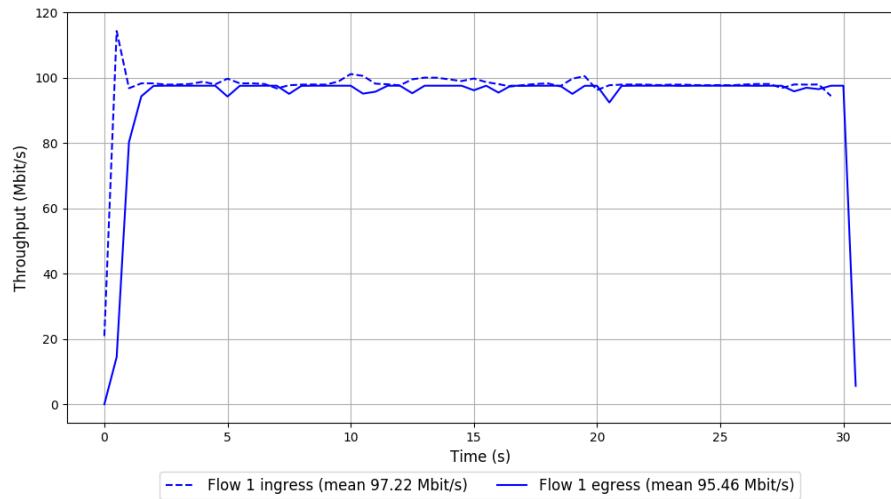


Run 4: Statistics of TCP BBR

```
Start at: 2019-01-24 15:48:13
End at: 2019-01-24 15:48:43
Local clock offset: -1.977 ms
Remote clock offset: 0.164 ms

# Below is generated by plot.py at 2019-01-24 16:28:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.46 Mbit/s
95th percentile per-packet one-way delay: 62.855 ms
Loss rate: 1.76%
-- Flow 1:
Average throughput: 95.46 Mbit/s
95th percentile per-packet one-way delay: 62.855 ms
Loss rate: 1.76%
```

Run 4: Report of TCP BBR — Data Link

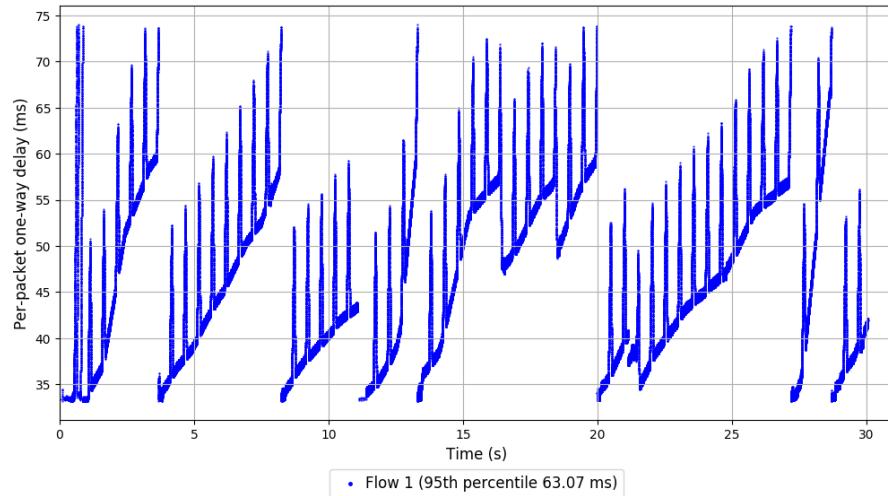
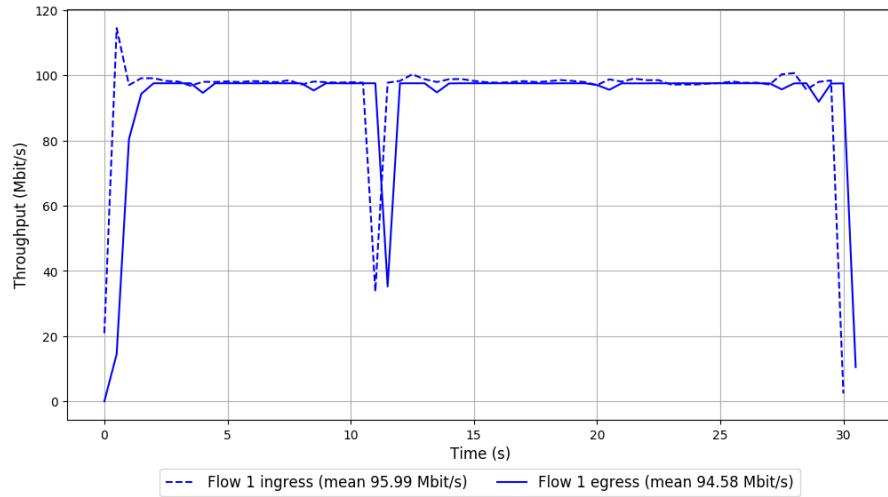


Run 5: Statistics of TCP BBR

```
Start at: 2019-01-24 16:12:44
End at: 2019-01-24 16:13:14
Local clock offset: -1.307 ms
Remote clock offset: 0.278 ms

# Below is generated by plot.py at 2019-01-24 16:28:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 63.067 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 94.58 Mbit/s
95th percentile per-packet one-way delay: 63.067 ms
Loss rate: 1.44%
```

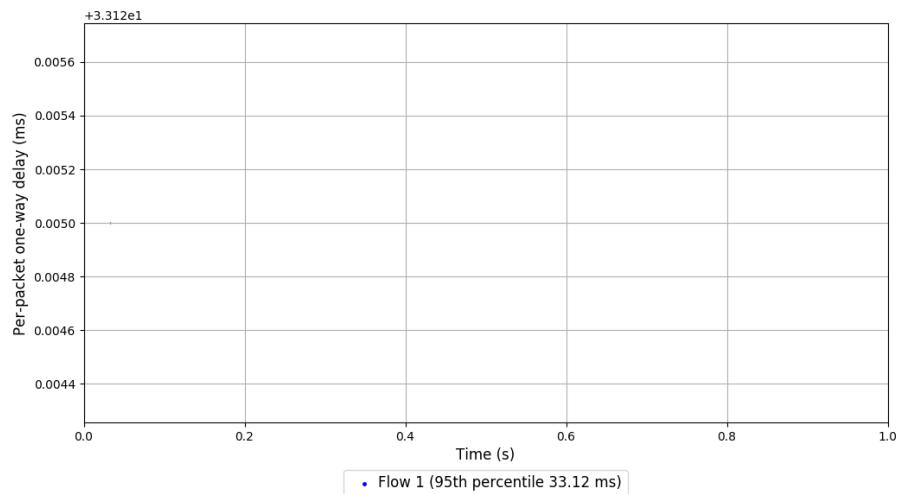
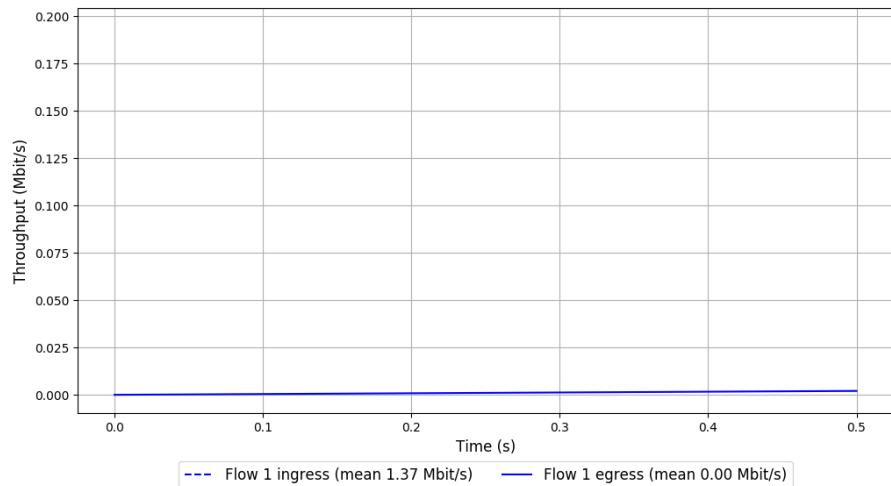
Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-01-24 14:25:55
End at: 2019-01-24 14:26:25
Local clock offset: -13.971 ms
Remote clock offset: -0.829 ms

Run 1: Report of Copa — Data Link

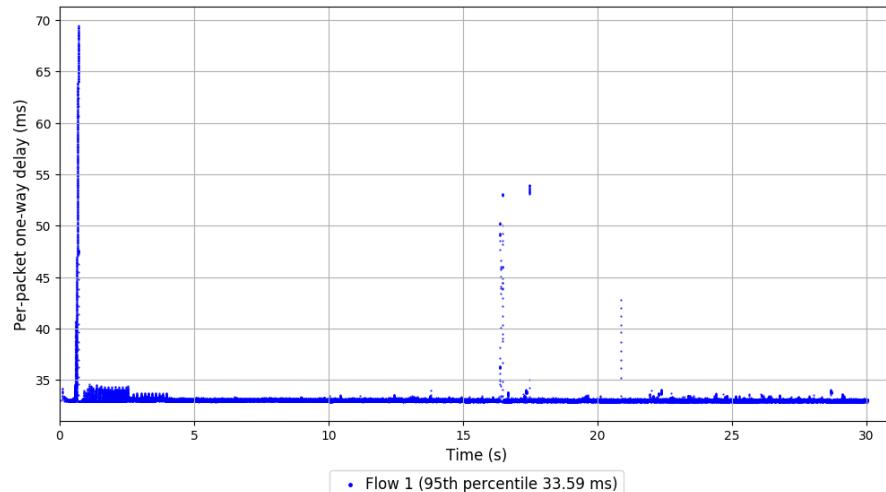
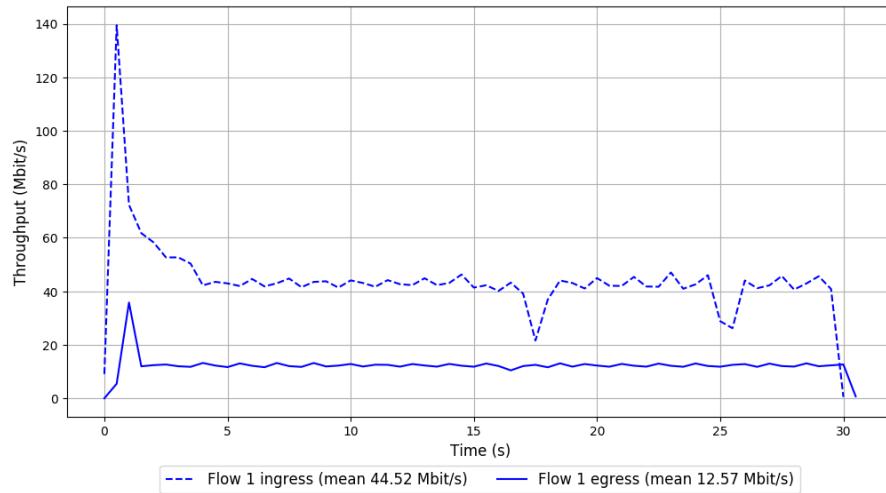


Run 2: Statistics of Copa

```
Start at: 2019-01-24 14:50:31
End at: 2019-01-24 14:51:01
Local clock offset: -6.921 ms
Remote clock offset: -0.724 ms

# Below is generated by plot.py at 2019-01-24 16:28:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.57 Mbit/s
95th percentile per-packet one-way delay: 33.591 ms
Loss rate: 71.77%
-- Flow 1:
Average throughput: 12.57 Mbit/s
95th percentile per-packet one-way delay: 33.591 ms
Loss rate: 71.77%
```

Run 2: Report of Copa — Data Link

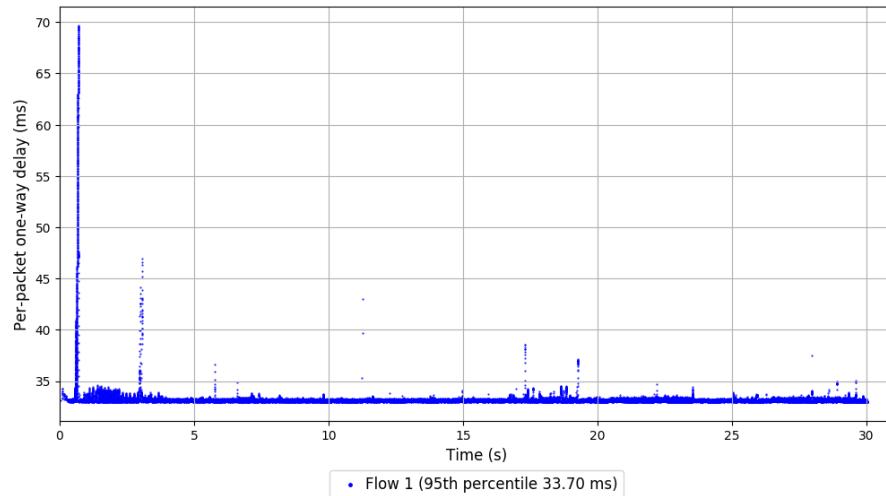
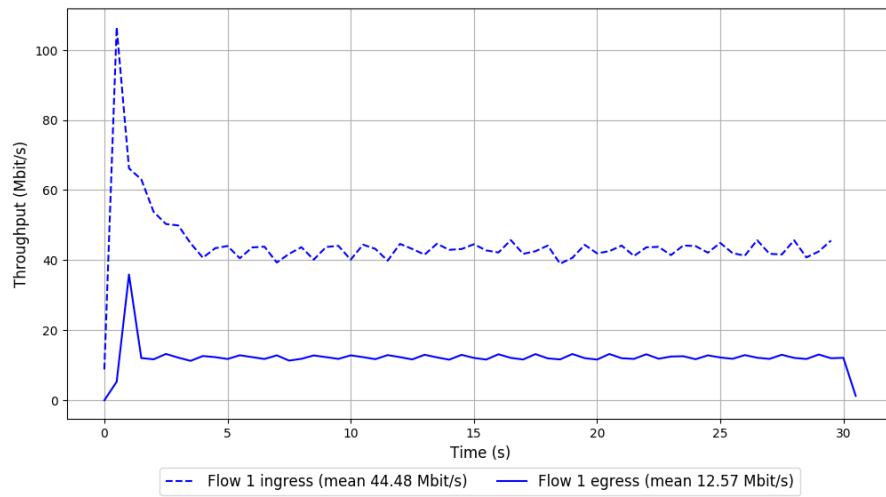


Run 3: Statistics of Copa

```
Start at: 2019-01-24 15:15:57
End at: 2019-01-24 15:16:28
Local clock offset: -3.503 ms
Remote clock offset: -0.333 ms

# Below is generated by plot.py at 2019-01-24 16:28:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.57 Mbit/s
95th percentile per-packet one-way delay: 33.705 ms
Loss rate: 71.74%
-- Flow 1:
Average throughput: 12.57 Mbit/s
95th percentile per-packet one-way delay: 33.705 ms
Loss rate: 71.74%
```

Run 3: Report of Copa — Data Link

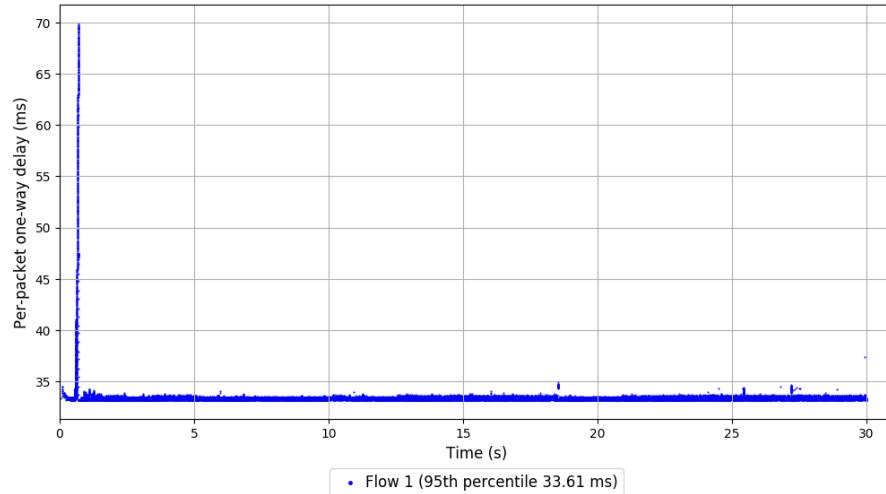
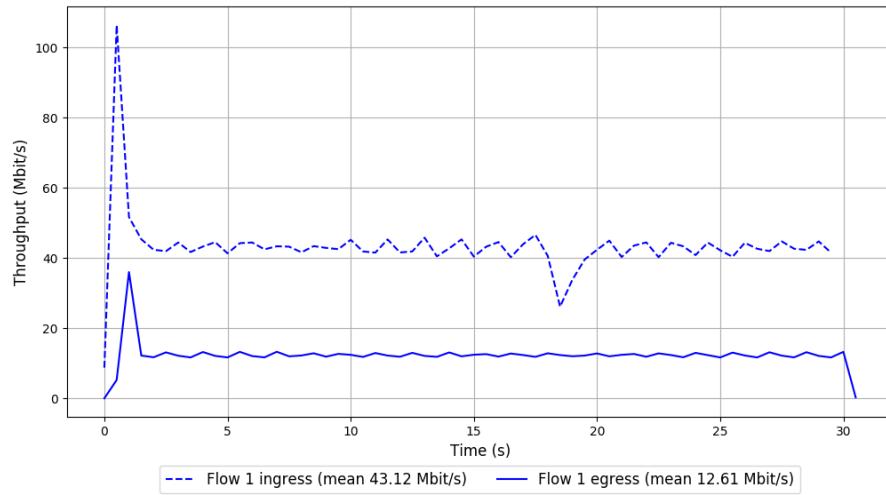


Run 4: Statistics of Copa

```
Start at: 2019-01-24 15:40:56
End at: 2019-01-24 15:41:26
Local clock offset: -2.038 ms
Remote clock offset: 0.051 ms

# Below is generated by plot.py at 2019-01-24 16:28:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 33.612 ms
Loss rate: 70.75%
-- Flow 1:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 33.612 ms
Loss rate: 70.75%
```

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

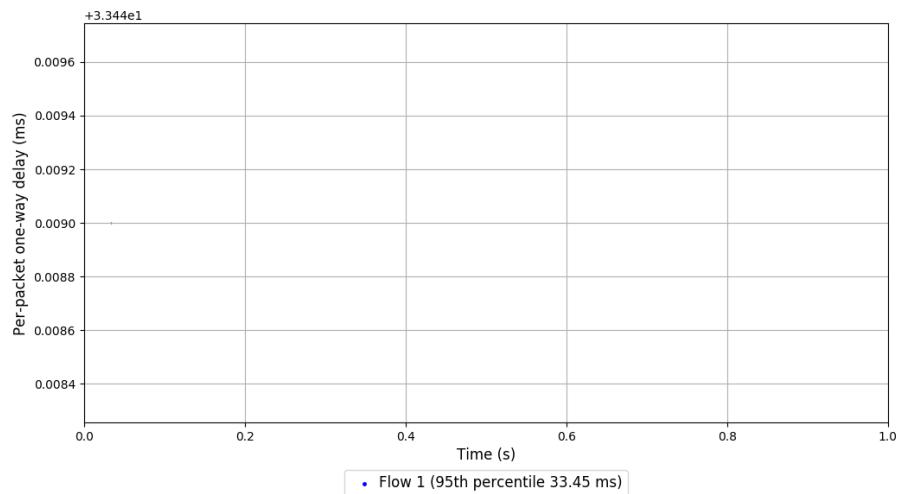
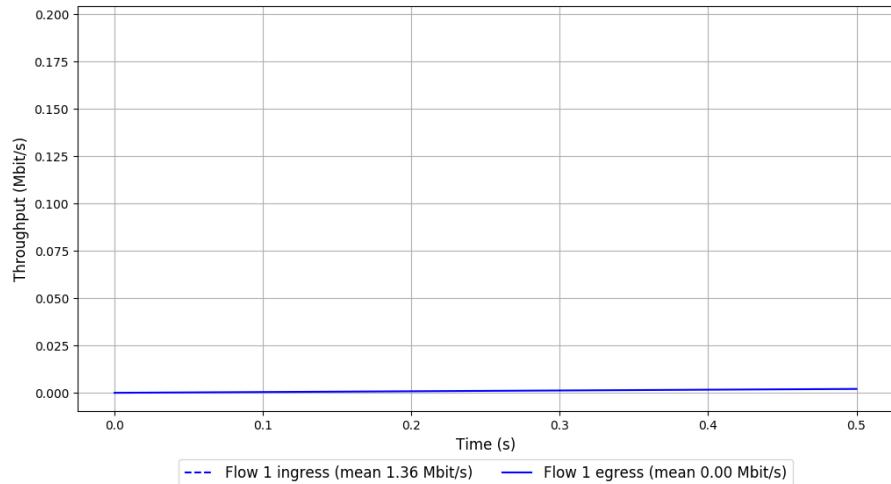
Start at: 2019-01-24 16:05:38

End at: 2019-01-24 16:06:08

Local clock offset: -1.687 ms

Remote clock offset: 0.267 ms

Run 5: Report of Copa — Data Link

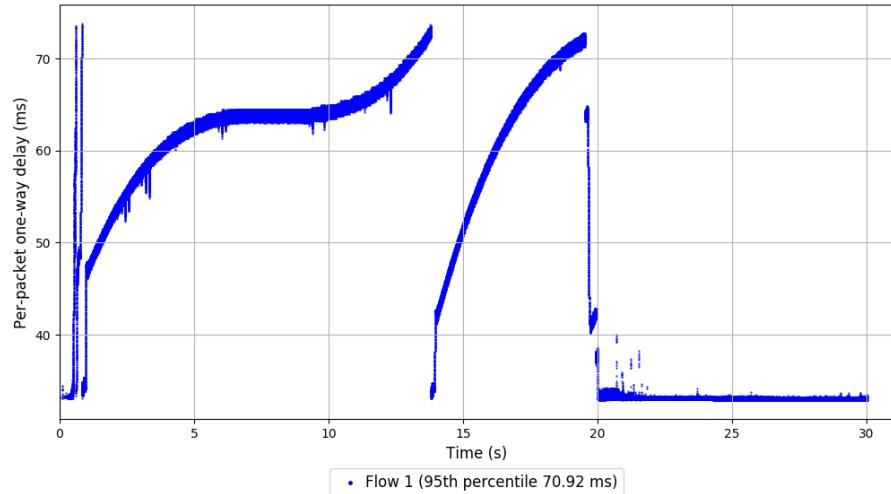
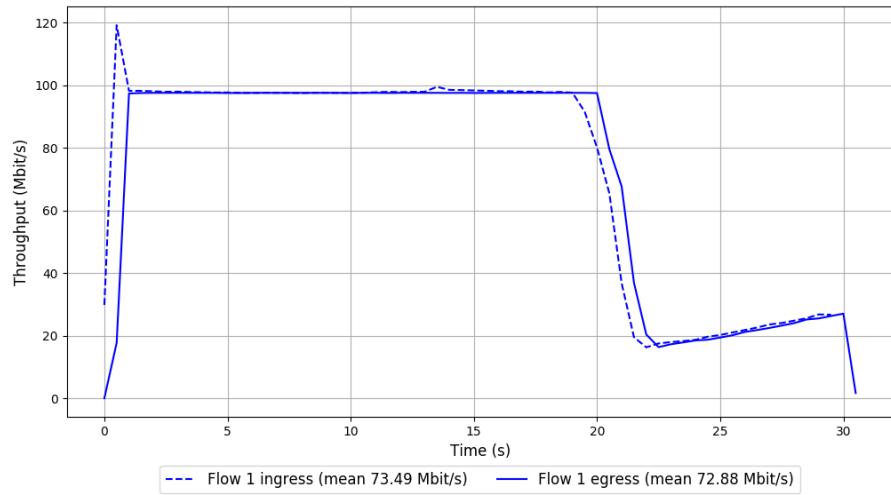


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-01-24 14:28:14
End at: 2019-01-24 14:28:44
Local clock offset: -14.852 ms
Remote clock offset: -0.806 ms

# Below is generated by plot.py at 2019-01-24 16:28:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.88 Mbit/s
95th percentile per-packet one-way delay: 70.924 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 72.88 Mbit/s
95th percentile per-packet one-way delay: 70.924 ms
Loss rate: 0.83%
```

Run 1: Report of TCP Cubic — Data Link

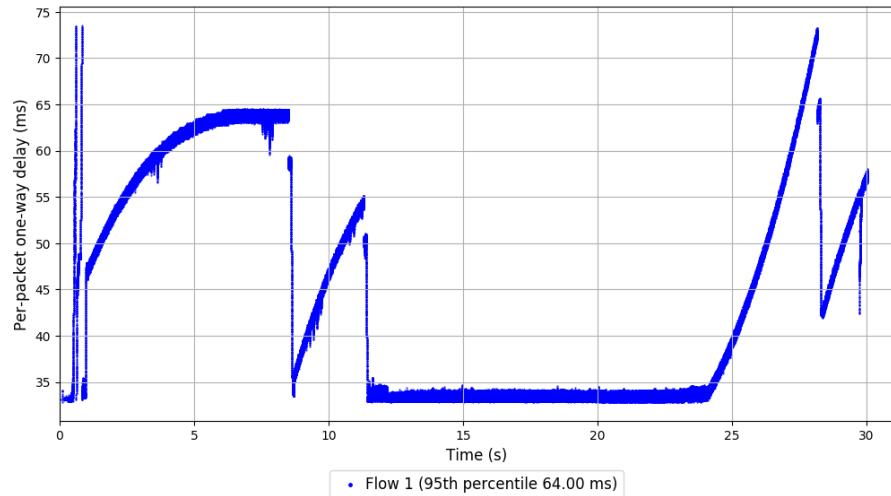
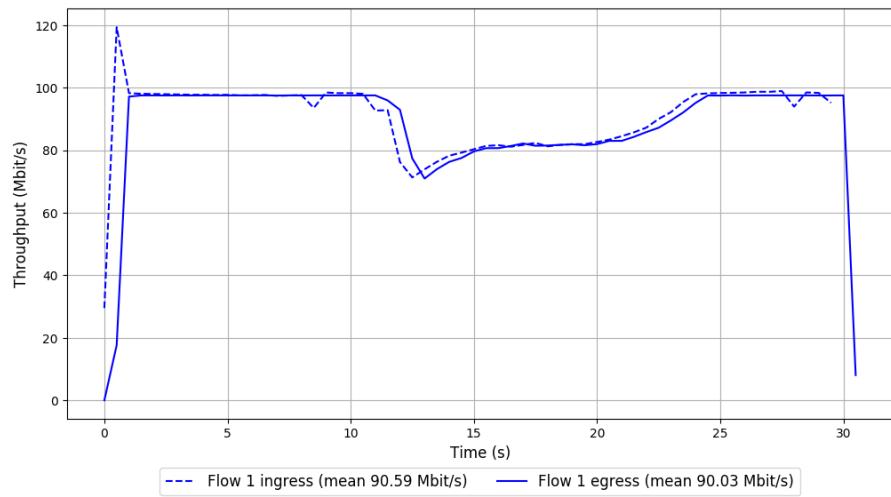


Run 2: Statistics of TCP Cubic

```
Start at: 2019-01-24 14:52:48
End at: 2019-01-24 14:53:18
Local clock offset: -7.222 ms
Remote clock offset: -0.653 ms

# Below is generated by plot.py at 2019-01-24 16:28:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 64.001 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 90.03 Mbit/s
95th percentile per-packet one-way delay: 64.001 ms
Loss rate: 0.54%
```

Run 2: Report of TCP Cubic — Data Link

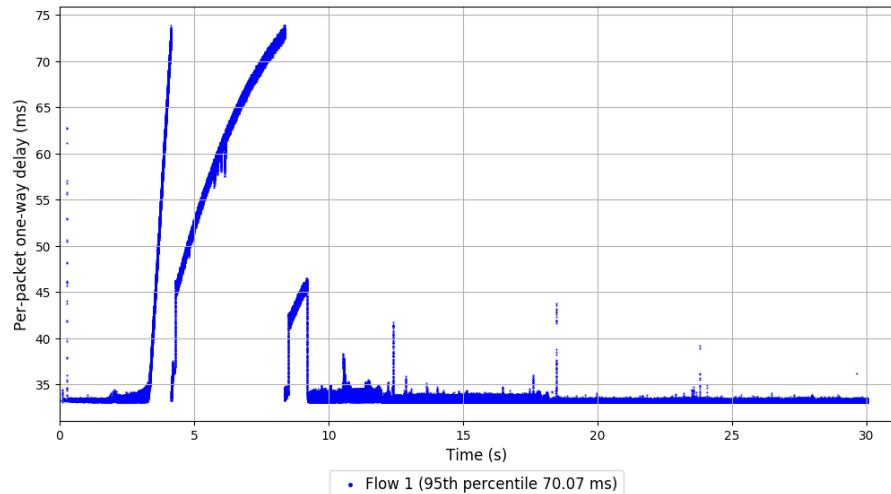
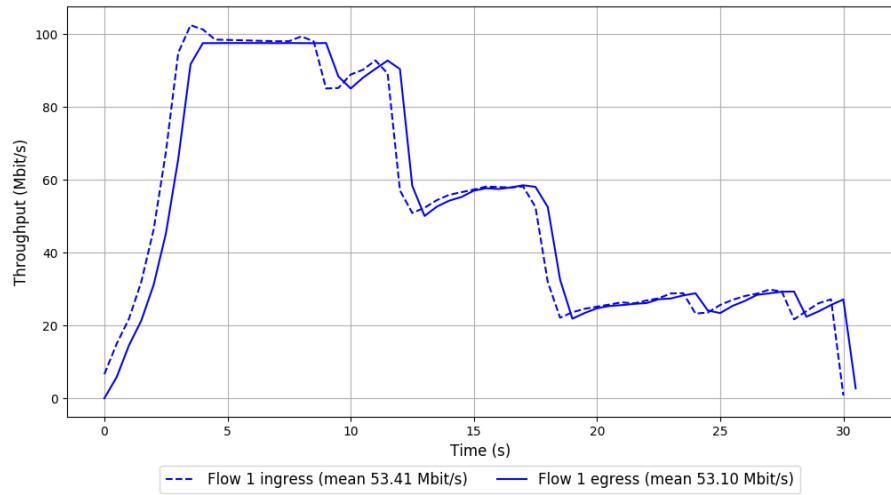


Run 3: Statistics of TCP Cubic

```
Start at: 2019-01-24 15:18:19
End at: 2019-01-24 15:18:49
Local clock offset: -3.536 ms
Remote clock offset: -0.091 ms

# Below is generated by plot.py at 2019-01-24 16:28:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.10 Mbit/s
95th percentile per-packet one-way delay: 70.072 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 53.10 Mbit/s
95th percentile per-packet one-way delay: 70.072 ms
Loss rate: 0.58%
```

Run 3: Report of TCP Cubic — Data Link

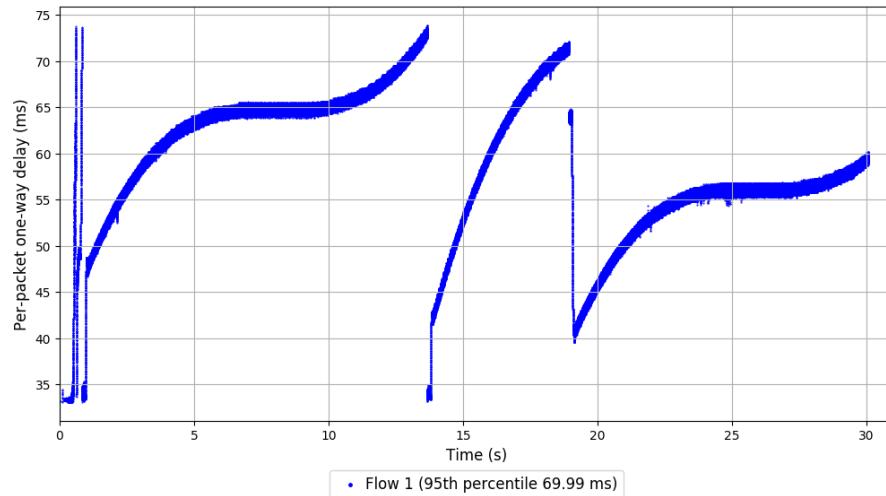
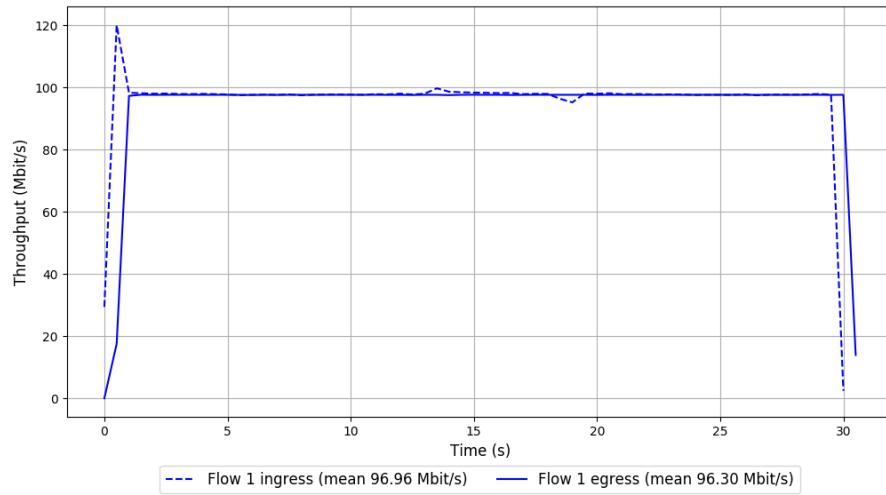


Run 4: Statistics of TCP Cubic

```
Start at: 2019-01-24 15:43:24
End at: 2019-01-24 15:43:54
Local clock offset: -1.935 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2019-01-24 16:28:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 69.993 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 69.993 ms
Loss rate: 0.59%
```

Run 4: Report of TCP Cubic — Data Link

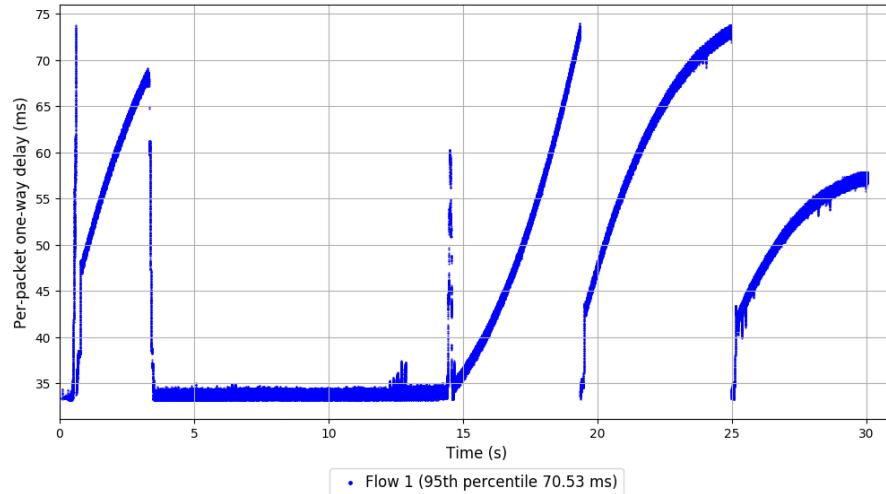
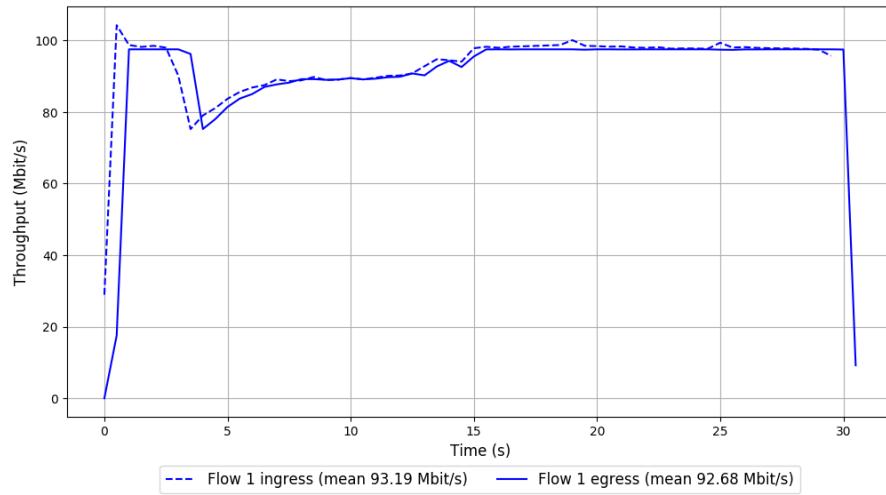


Run 5: Statistics of TCP Cubic

```
Start at: 2019-01-24 16:08:01
End at: 2019-01-24 16:08:31
Local clock offset: -1.466 ms
Remote clock offset: 0.258 ms

# Below is generated by plot.py at 2019-01-24 16:29:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.68 Mbit/s
95th percentile per-packet one-way delay: 70.534 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 92.68 Mbit/s
95th percentile per-packet one-way delay: 70.534 ms
Loss rate: 0.47%
```

Run 5: Report of TCP Cubic — Data Link

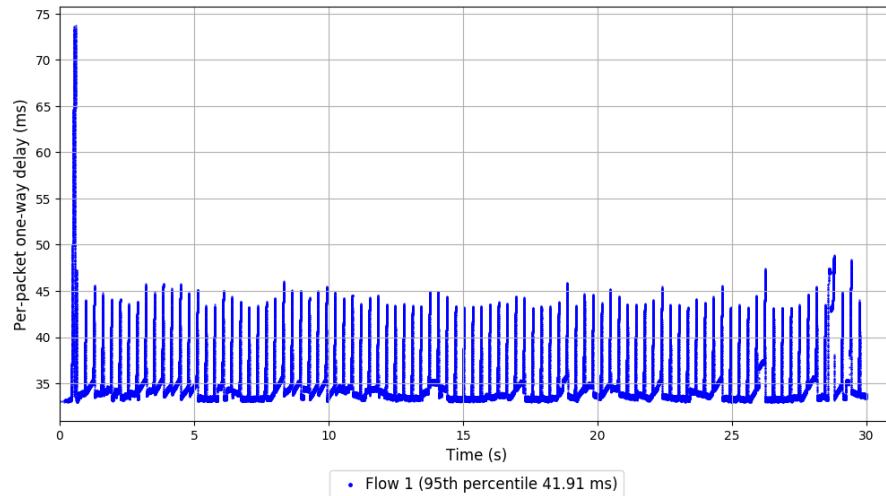
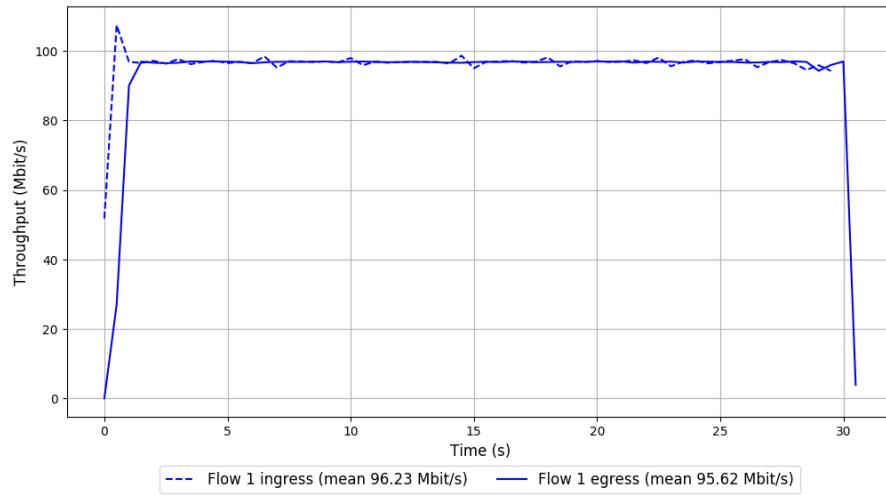


```
Run 1: Statistics of FillP
```

```
Start at: 2019-01-24 14:21:06
End at: 2019-01-24 14:21:36
Local clock offset: -12.651 ms
Remote clock offset: -0.798 ms

# Below is generated by plot.py at 2019-01-24 16:29:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 41.914 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 95.62 Mbit/s
95th percentile per-packet one-way delay: 41.914 ms
Loss rate: 0.63%
```

Run 1: Report of FillP — Data Link

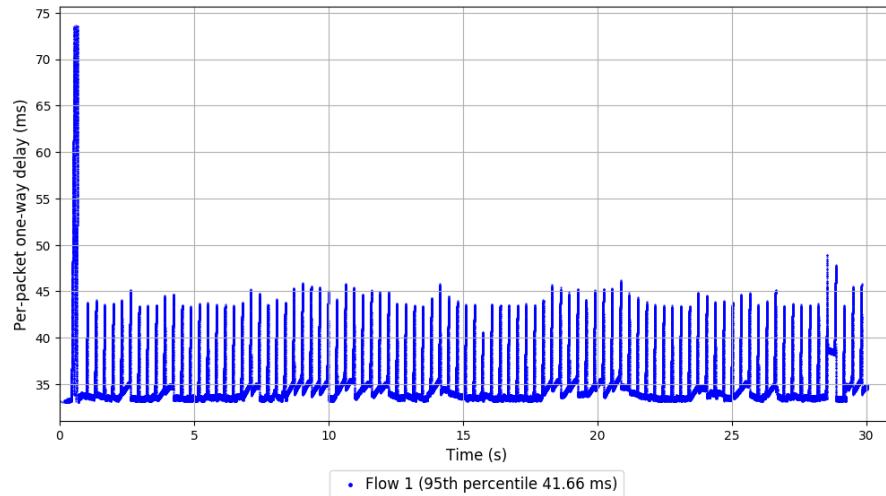
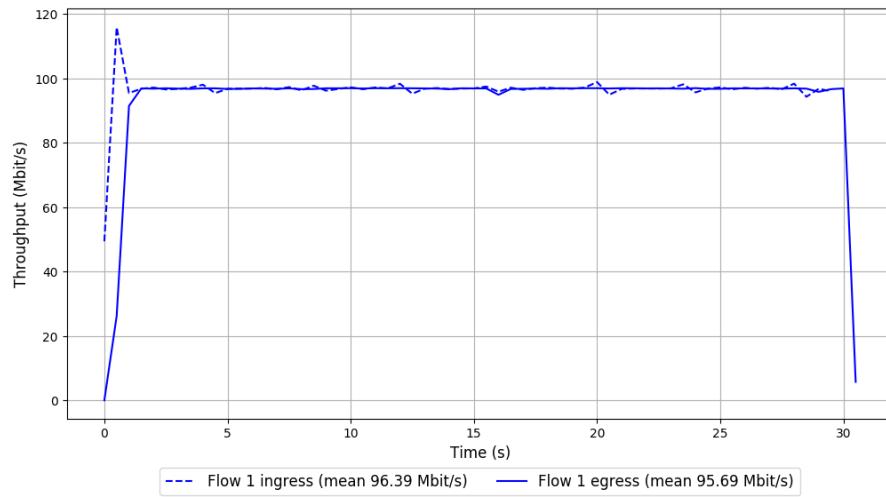


Run 2: Statistics of FillP

```
Start at: 2019-01-24 14:45:53
End at: 2019-01-24 14:46:23
Local clock offset: -6.681 ms
Remote clock offset: -0.582 ms

# Below is generated by plot.py at 2019-01-24 16:29:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 41.660 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 41.660 ms
Loss rate: 0.73%
```

Run 2: Report of FillP — Data Link

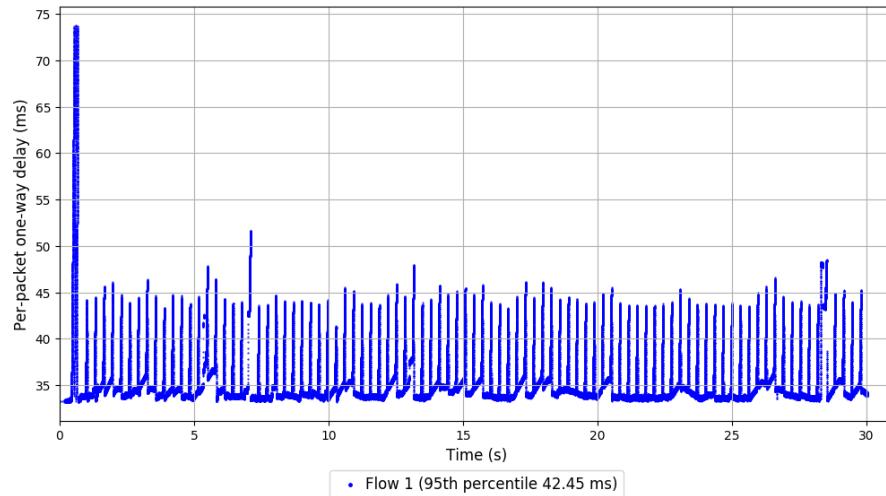
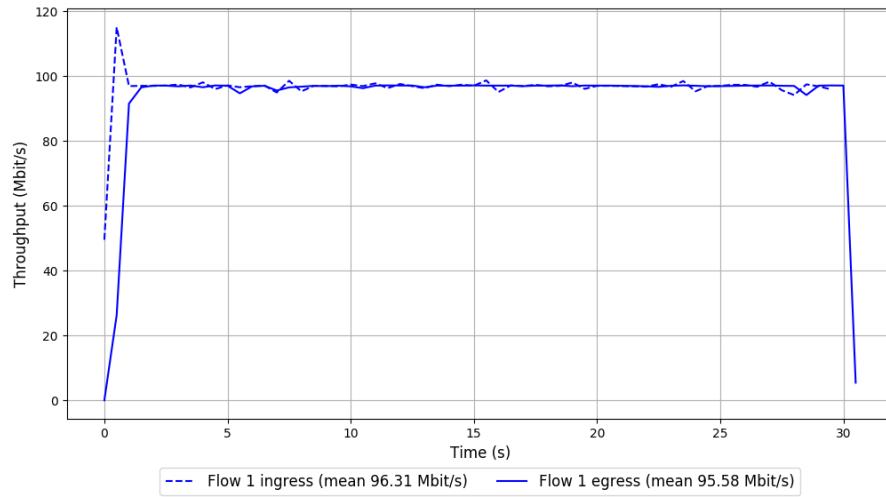


Run 3: Statistics of FillP

```
Start at: 2019-01-24 15:11:10
End at: 2019-01-24 15:11:40
Local clock offset: -3.843 ms
Remote clock offset: -0.165 ms

# Below is generated by plot.py at 2019-01-24 16:29:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 42.452 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 42.452 ms
Loss rate: 0.76%
```

Run 3: Report of FillP — Data Link

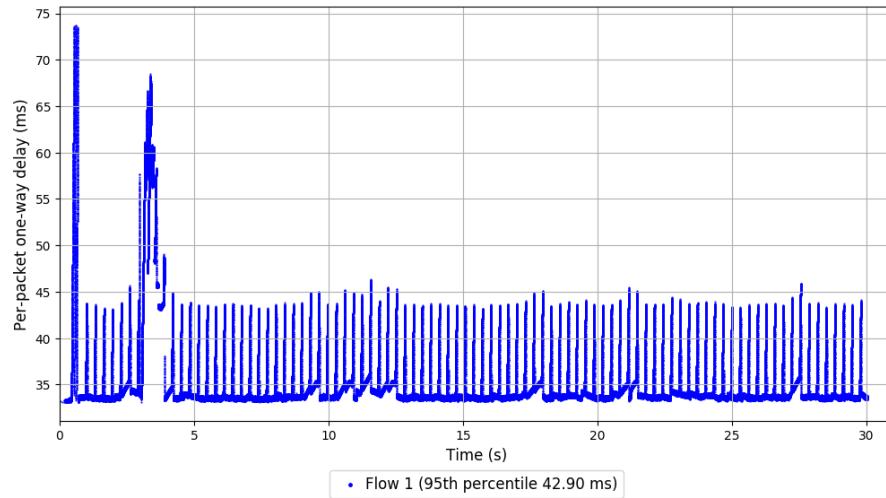
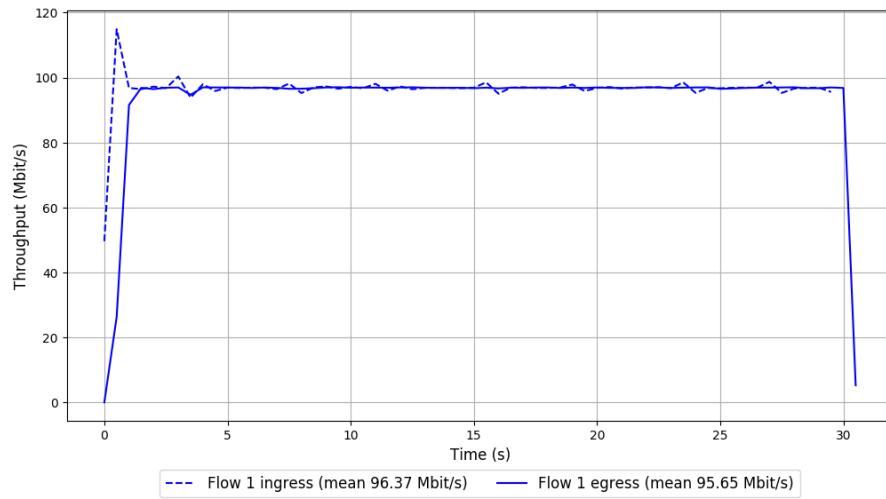


Run 4: Statistics of FillP

```
Start at: 2019-01-24 15:36:23
End at: 2019-01-24 15:36:53
Local clock offset: -2.558 ms
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2019-01-24 16:29:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 42.895 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 95.65 Mbit/s
95th percentile per-packet one-way delay: 42.895 ms
Loss rate: 0.74%
```

Run 4: Report of FillP — Data Link

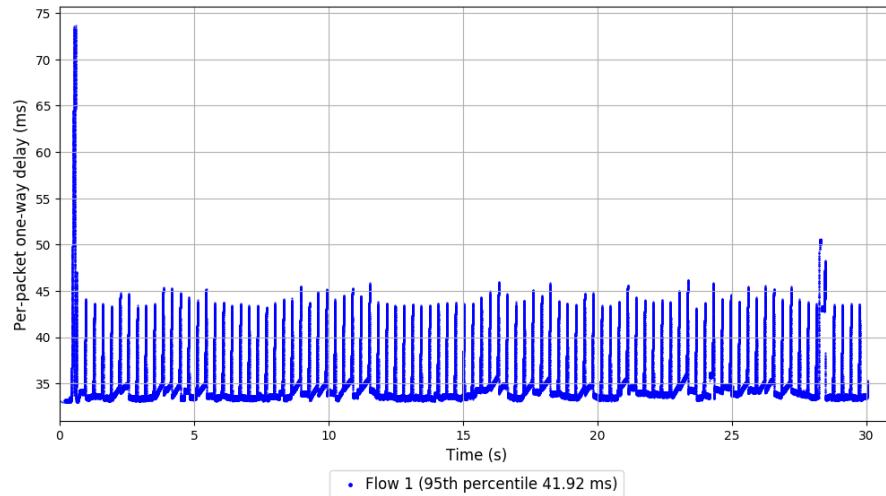
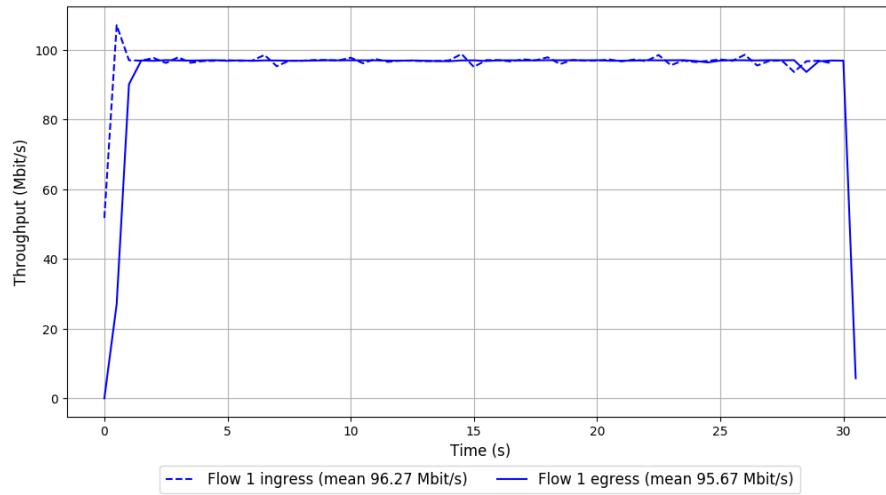


Run 5: Statistics of FillP

```
Start at: 2019-01-24 16:01:04
End at: 2019-01-24 16:01:34
Local clock offset: -2.418 ms
Remote clock offset: 0.042 ms

# Below is generated by plot.py at 2019-01-24 16:29:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 41.925 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 95.67 Mbit/s
95th percentile per-packet one-way delay: 41.925 ms
Loss rate: 0.62%
```

Run 5: Report of FillP — Data Link

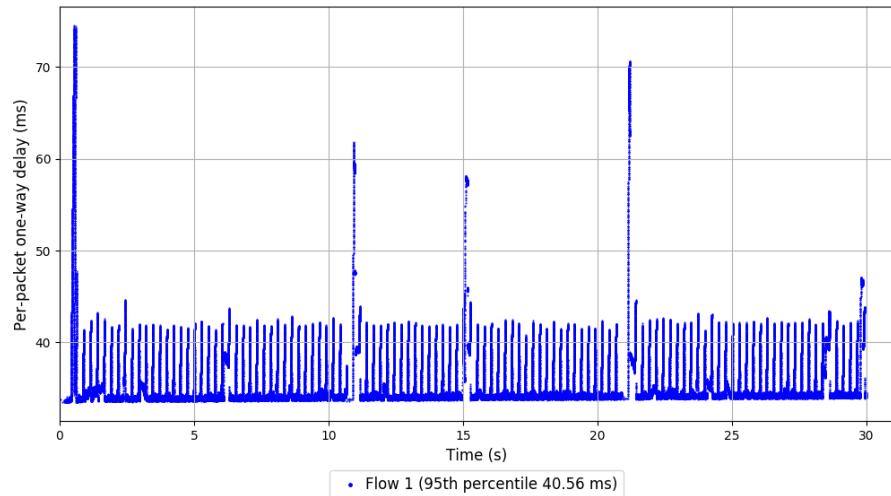
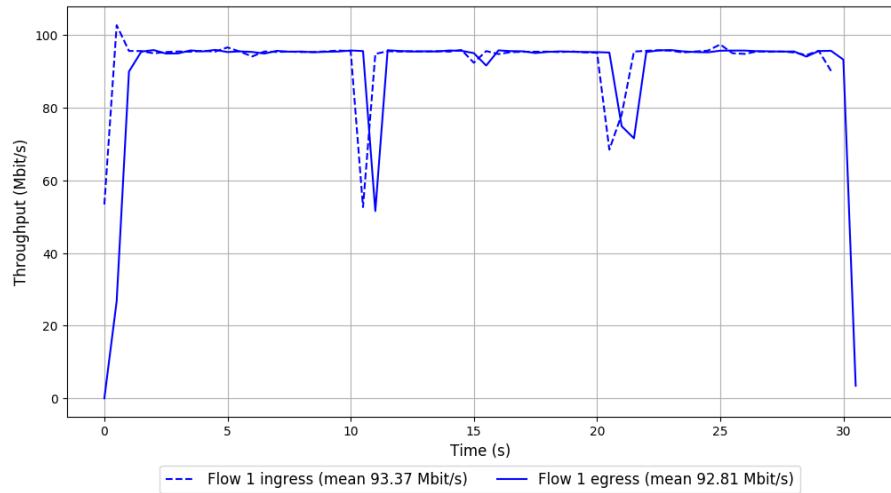


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-01-24 14:33:59
End at: 2019-01-24 14:34:29
Local clock offset: -10.799 ms
Remote clock offset: -0.754 ms

# Below is generated by plot.py at 2019-01-24 16:29:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 40.561 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 92.81 Mbit/s
95th percentile per-packet one-way delay: 40.561 ms
Loss rate: 0.60%
```

Run 1: Report of FillP-Sheep — Data Link

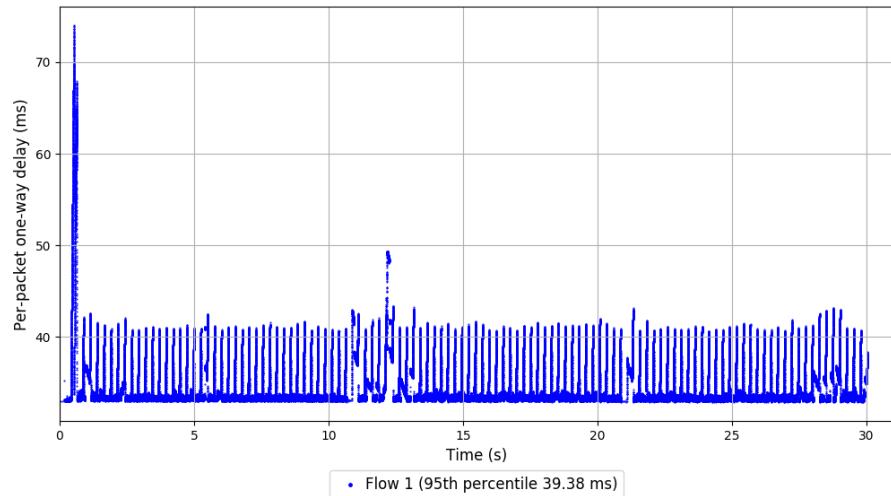
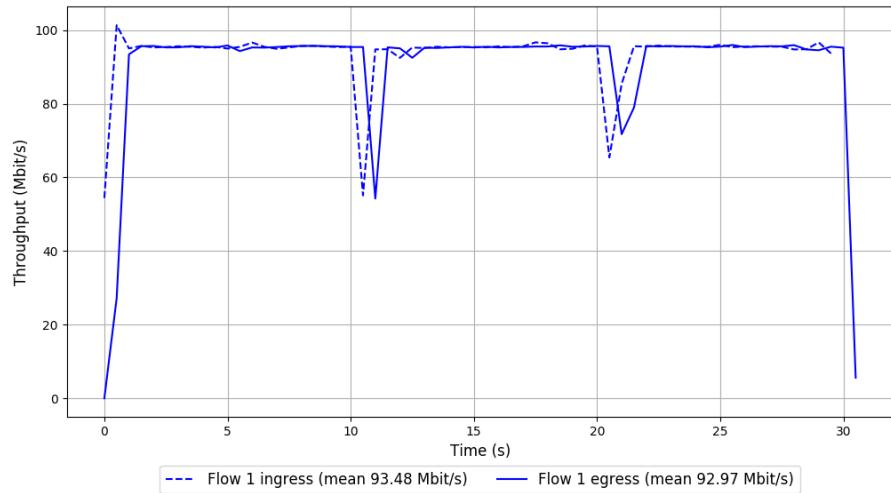


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-01-24 14:58:51
End at: 2019-01-24 14:59:21
Local clock offset: -8.328 ms
Remote clock offset: -0.435 ms

# Below is generated by plot.py at 2019-01-24 16:30:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.97 Mbit/s
95th percentile per-packet one-way delay: 39.383 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 92.97 Mbit/s
95th percentile per-packet one-way delay: 39.383 ms
Loss rate: 0.53%
```

Run 2: Report of FillP-Sheep — Data Link

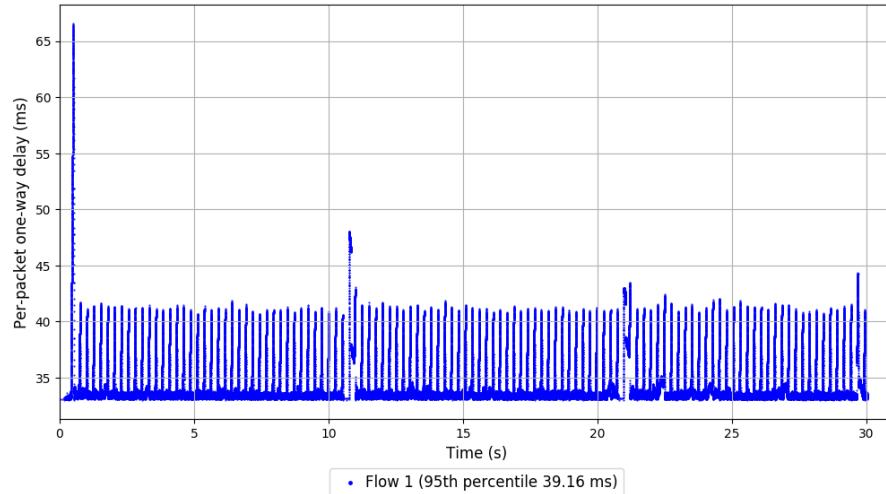
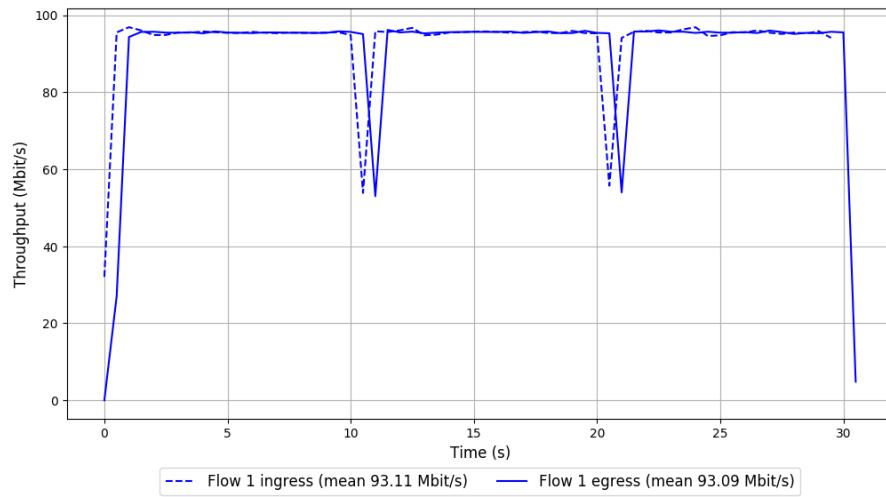


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-01-24 15:24:22
End at: 2019-01-24 15:24:52
Local clock offset: -3.884 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2019-01-24 16:30:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.09 Mbit/s
95th percentile per-packet one-way delay: 39.162 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.09 Mbit/s
95th percentile per-packet one-way delay: 39.162 ms
Loss rate: 0.02%
```

Run 3: Report of FillP-Sheep — Data Link

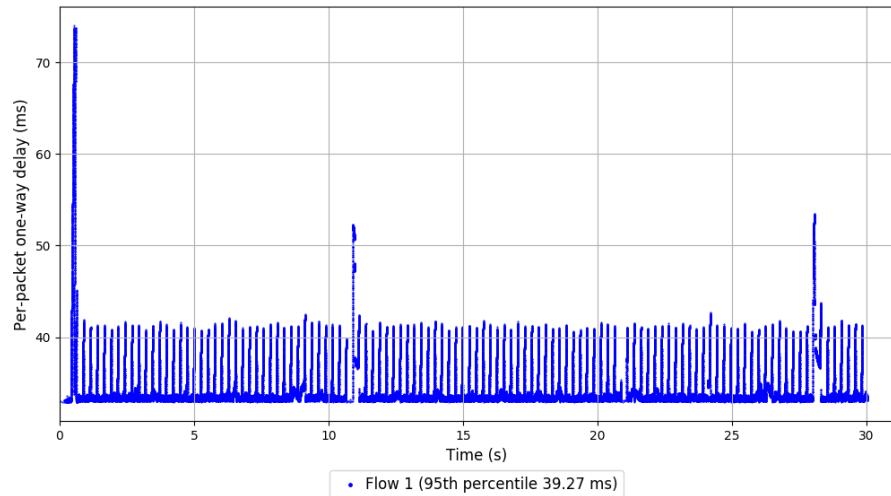
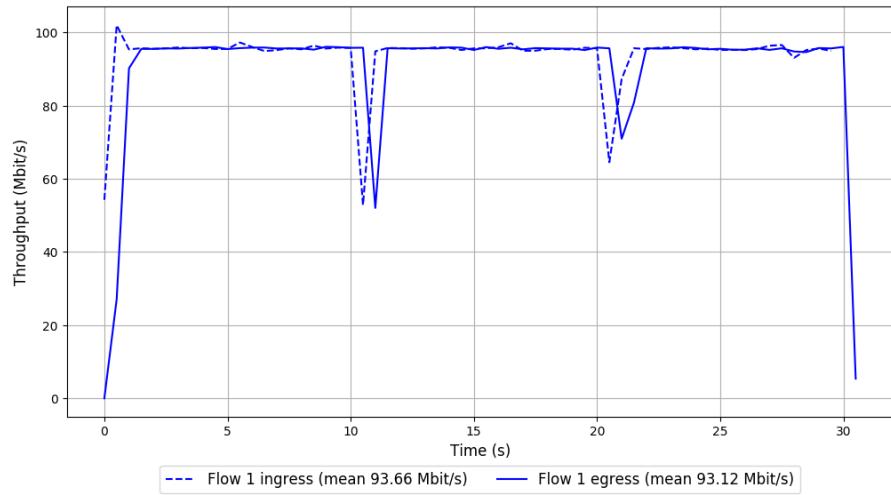


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-01-24 15:49:25
End at: 2019-01-24 15:49:55
Local clock offset: -2.032 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2019-01-24 16:30:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 39.275 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 93.12 Mbit/s
95th percentile per-packet one-way delay: 39.275 ms
Loss rate: 0.58%
```

Run 4: Report of FillP-Sheep — Data Link

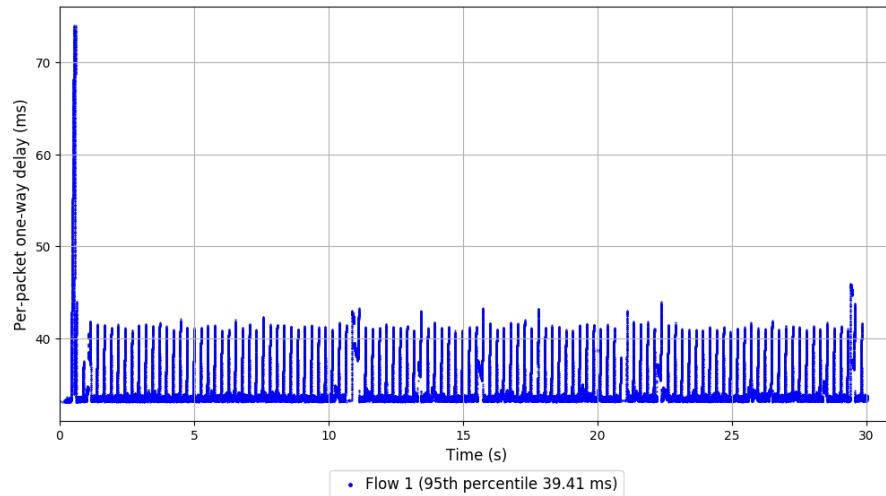
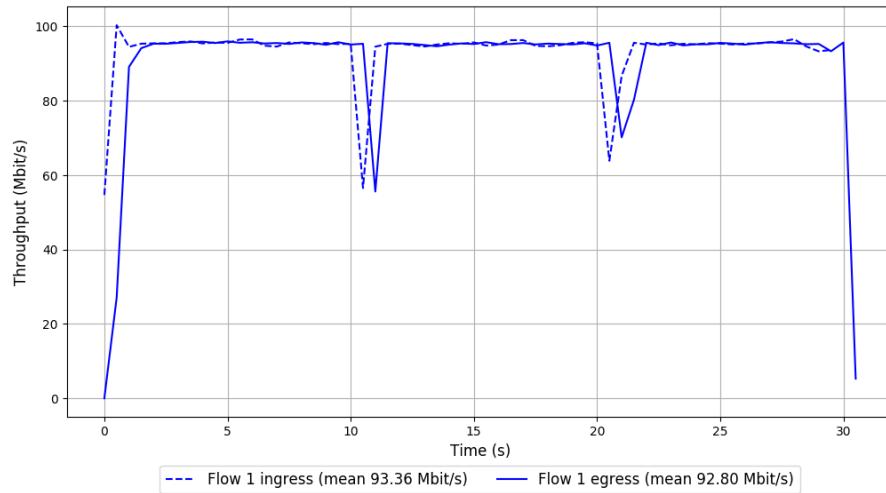


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-01-24 16:13:56
End at: 2019-01-24 16:14:26
Local clock offset: -1.28 ms
Remote clock offset: 0.29 ms

# Below is generated by plot.py at 2019-01-24 16:30:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.80 Mbit/s
95th percentile per-packet one-way delay: 39.410 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 92.80 Mbit/s
95th percentile per-packet one-way delay: 39.410 ms
Loss rate: 0.60%
```

Run 5: Report of FillP-Sheep — Data Link

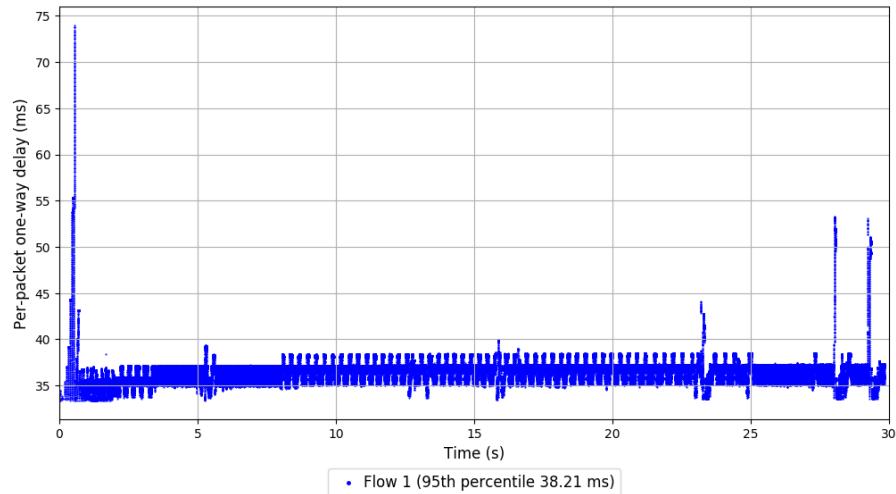
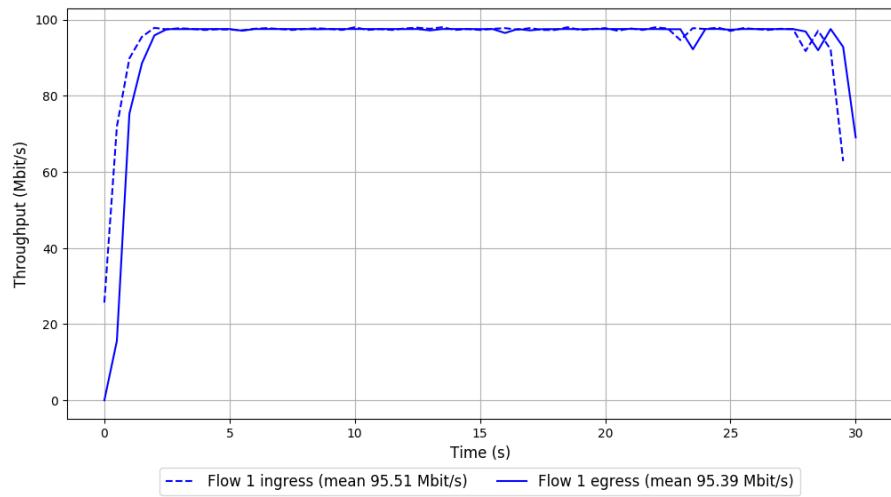


Run 1: Statistics of Indigo

```
Start at: 2019-01-24 14:37:25
End at: 2019-01-24 14:37:55
Local clock offset: -8.409 ms
Remote clock offset: -0.728 ms

# Below is generated by plot.py at 2019-01-24 16:30:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 38.213 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 95.39 Mbit/s
95th percentile per-packet one-way delay: 38.213 ms
Loss rate: 0.12%
```

Run 1: Report of Indigo — Data Link

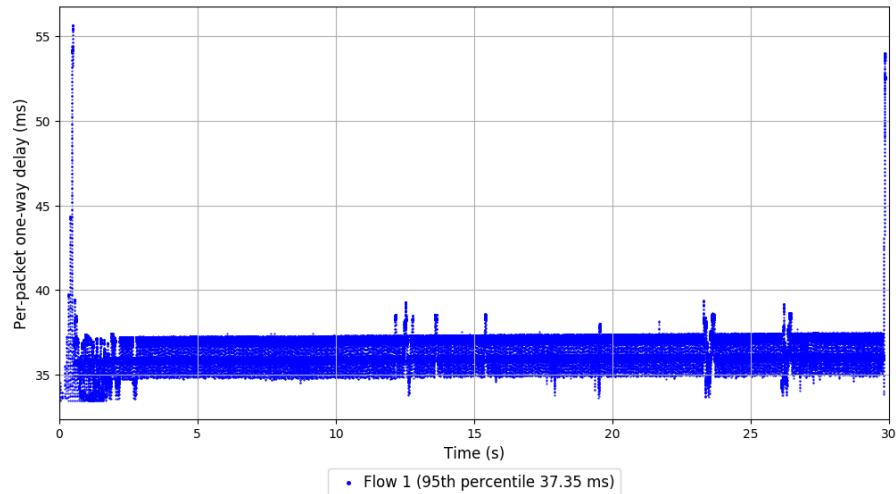
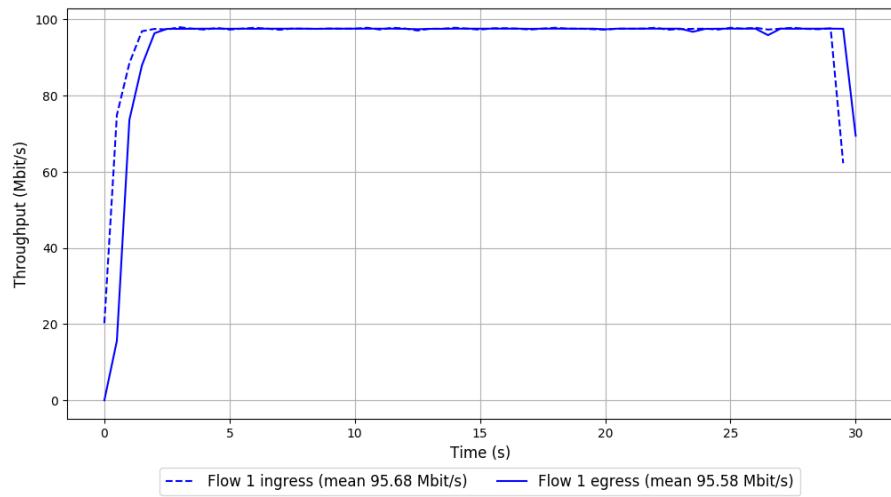


Run 2: Statistics of Indigo

```
Start at: 2019-01-24 15:02:21
End at: 2019-01-24 15:02:51
Local clock offset: -6.797 ms
Remote clock offset: -0.396 ms

# Below is generated by plot.py at 2019-01-24 16:30:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 37.353 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.58 Mbit/s
95th percentile per-packet one-way delay: 37.353 ms
Loss rate: 0.04%
```

Run 2: Report of Indigo — Data Link

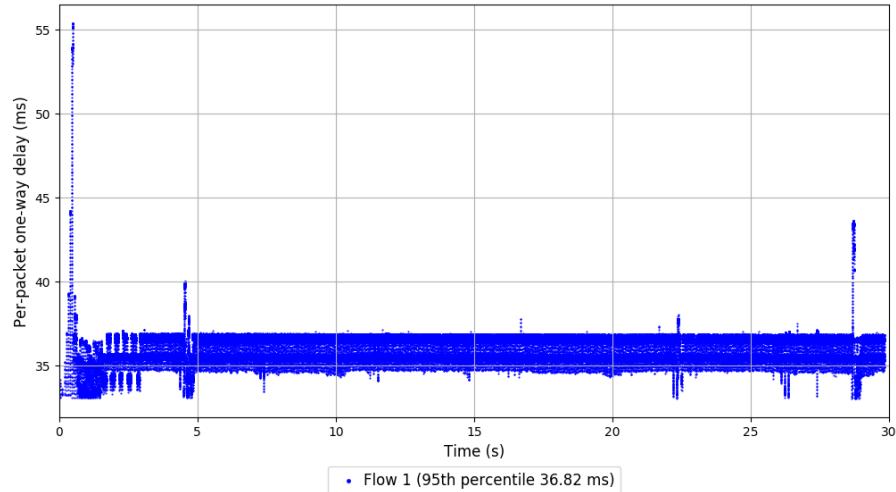
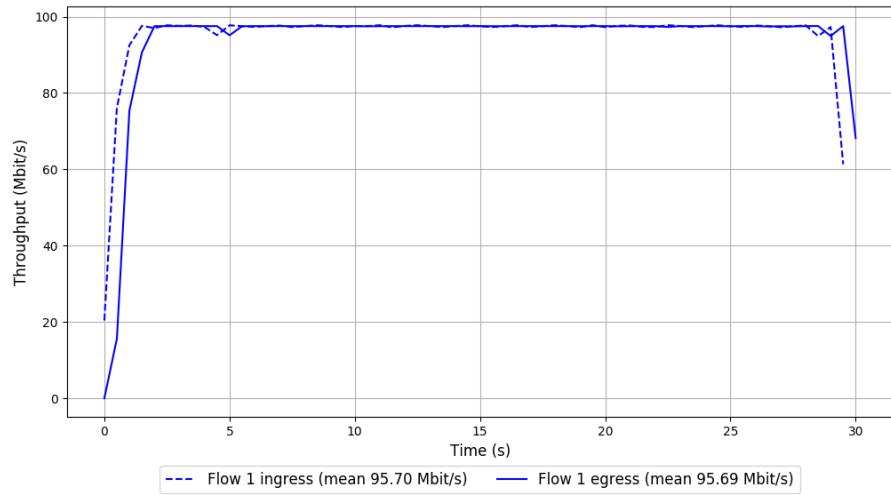


Run 3: Statistics of Indigo

```
Start at: 2019-01-24 15:27:49
End at: 2019-01-24 15:28:19
Local clock offset: -4.217 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2019-01-24 16:30:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 36.822 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.69 Mbit/s
95th percentile per-packet one-way delay: 36.822 ms
Loss rate: 0.01%
```

Run 3: Report of Indigo — Data Link

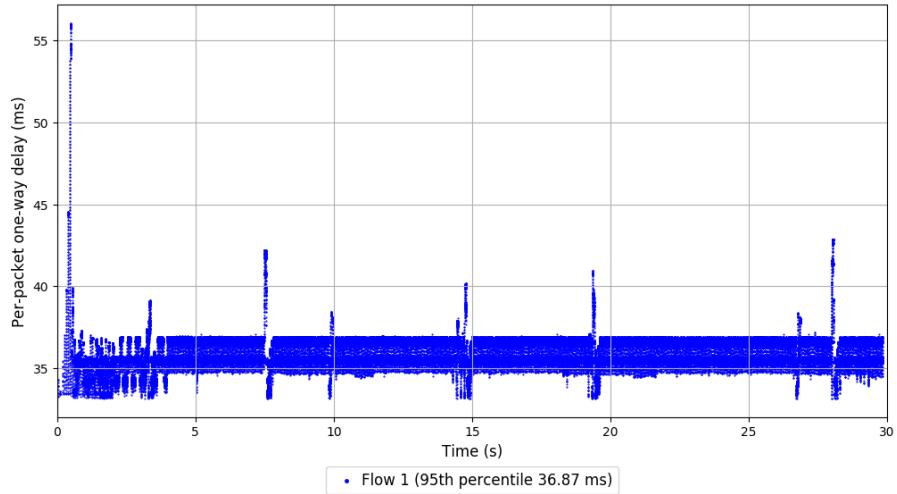
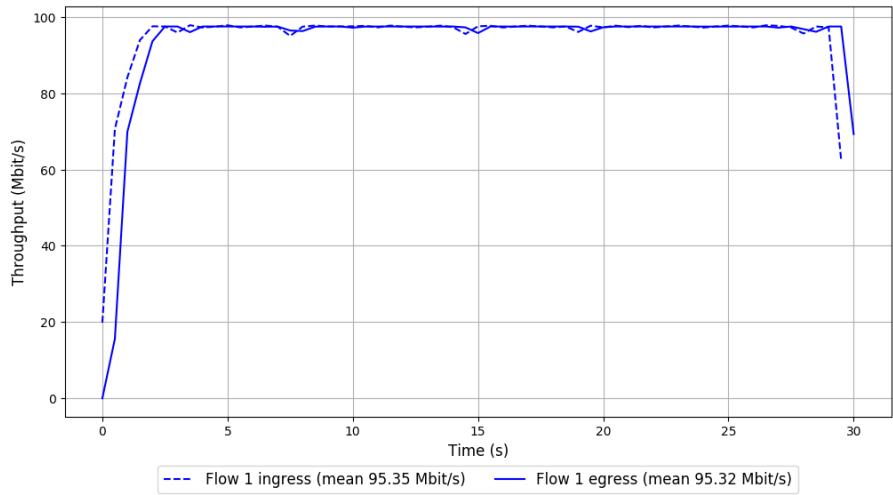


Run 4: Statistics of Indigo

```
Start at: 2019-01-24 15:52:50
End at: 2019-01-24 15:53:20
Local clock offset: -2.192 ms
Remote clock offset: 0.121 ms

# Below is generated by plot.py at 2019-01-24 16:30:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 36.873 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.32 Mbit/s
95th percentile per-packet one-way delay: 36.873 ms
Loss rate: 0.02%
```

Run 4: Report of Indigo — Data Link

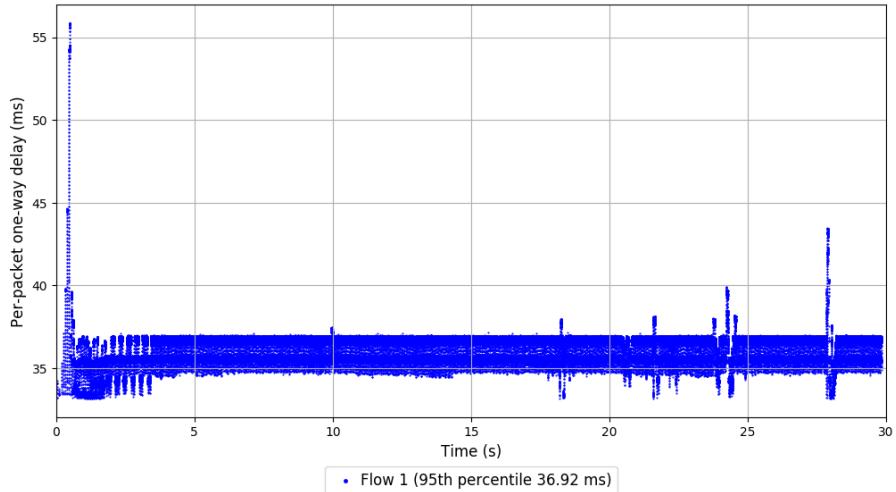
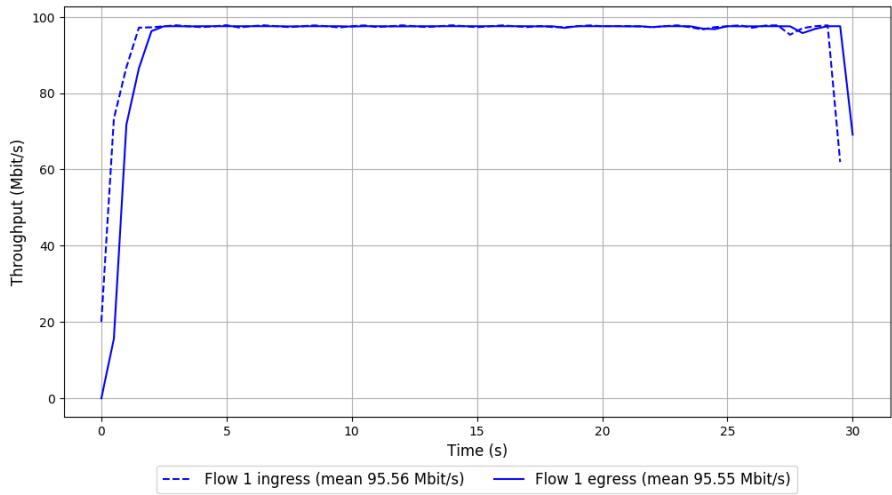


Run 5: Statistics of Indigo

```
Start at: 2019-01-24 16:17:23
End at: 2019-01-24 16:17:53
Local clock offset: -1.307 ms
Remote clock offset: 0.198 ms

# Below is generated by plot.py at 2019-01-24 16:31:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 36.920 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.55 Mbit/s
95th percentile per-packet one-way delay: 36.920 ms
Loss rate: 0.01%
```

Run 5: Report of Indigo — Data Link

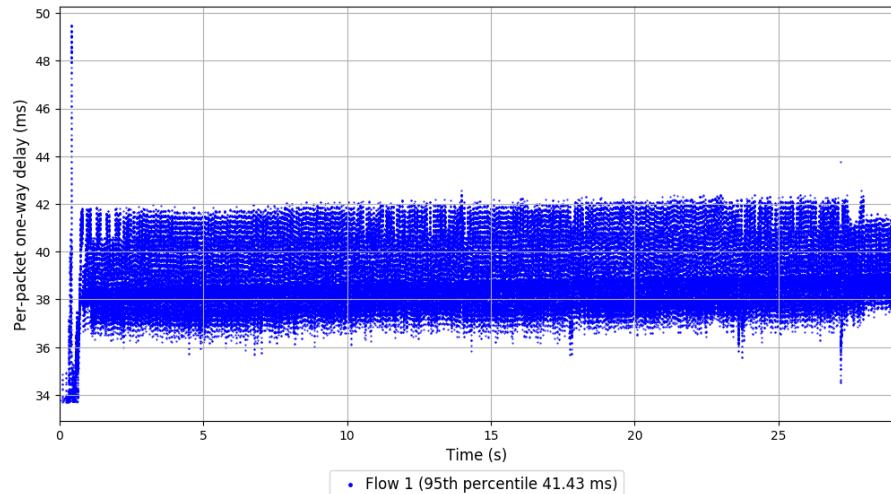
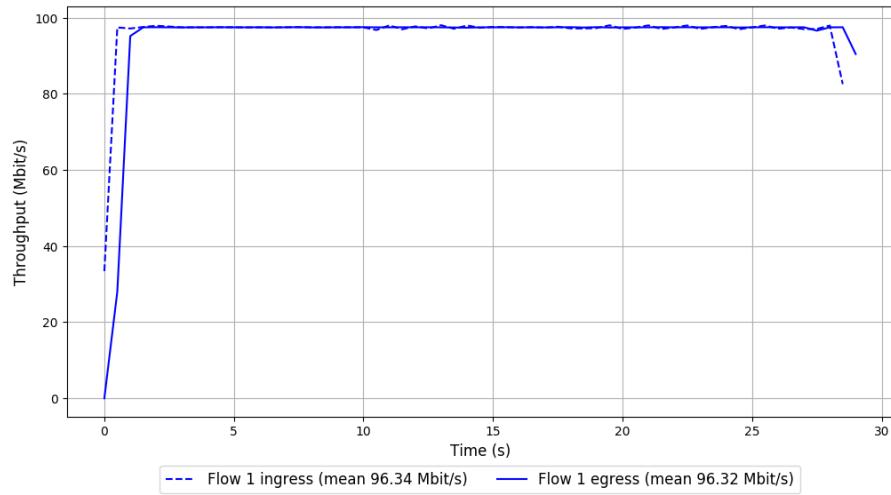


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-01-24 14:30:30
End at: 2019-01-24 14:31:00
Local clock offset: -14.522 ms
Remote clock offset: -0.793 ms

# Below is generated by plot.py at 2019-01-24 16:31:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 41.431 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 96.32 Mbit/s
95th percentile per-packet one-way delay: 41.431 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesC3 — Data Link

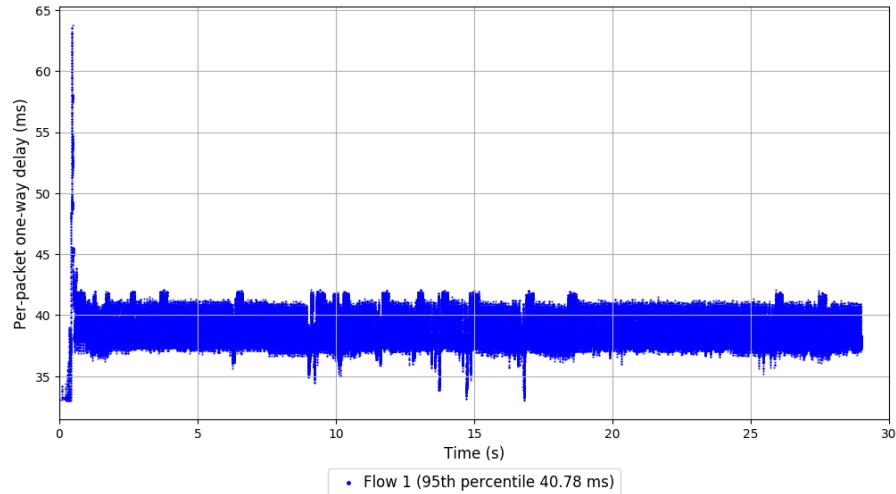
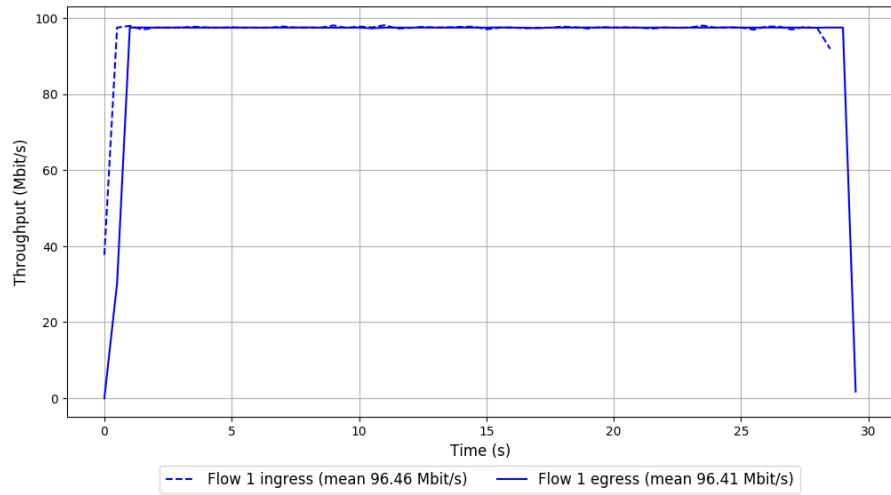


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-01-24 14:55:04
End at: 2019-01-24 14:55:34
Local clock offset: -7.552 ms
Remote clock offset: -0.489 ms

# Below is generated by plot.py at 2019-01-24 16:31:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 40.779 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.41 Mbit/s
95th percentile per-packet one-way delay: 40.779 ms
Loss rate: 0.04%
```

Run 2: Report of Indigo-MusesC3 — Data Link

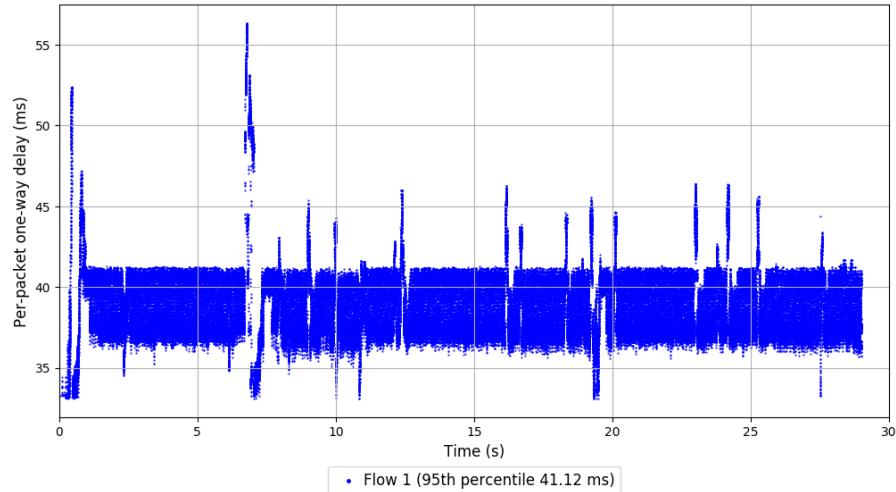
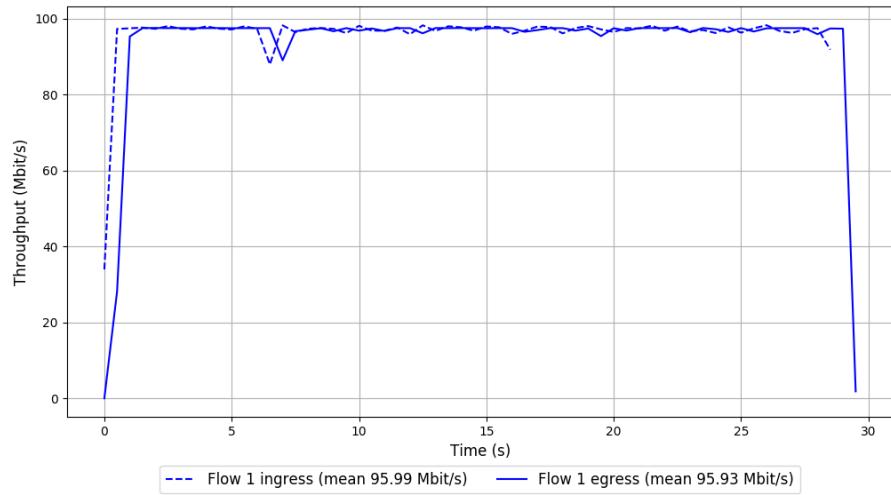


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-01-24 15:20:39
End at: 2019-01-24 15:21:09
Local clock offset: -3.634 ms
Remote clock offset: -0.079 ms

# Below is generated by plot.py at 2019-01-24 16:31:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 41.125 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.93 Mbit/s
95th percentile per-packet one-way delay: 41.125 ms
Loss rate: 0.04%
```

Run 3: Report of Indigo-MusesC3 — Data Link

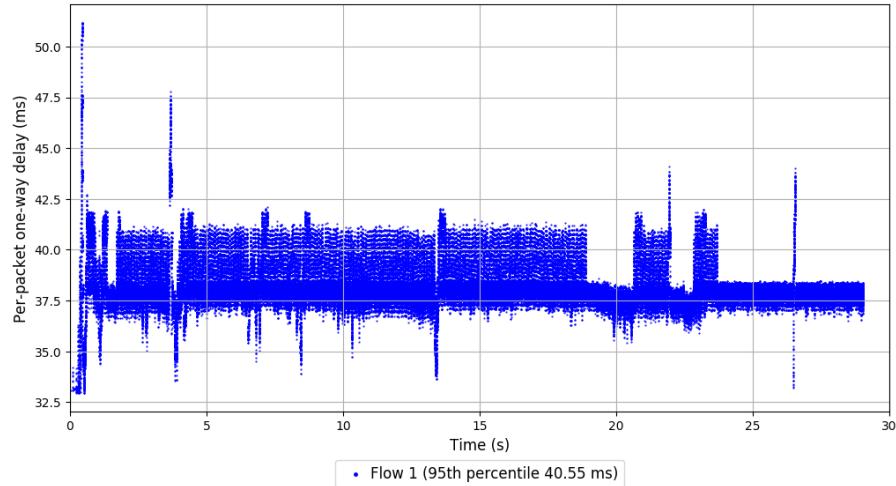
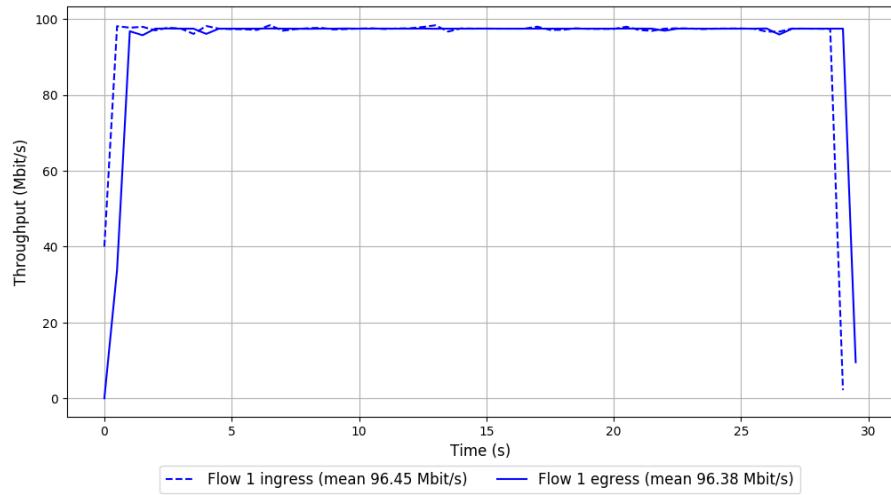


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-01-24 15:45:46
End at: 2019-01-24 15:46:16
Local clock offset: -1.929 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2019-01-24 16:31:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 40.548 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 96.38 Mbit/s
95th percentile per-packet one-way delay: 40.548 ms
Loss rate: 0.06%
```

Run 4: Report of Indigo-MusesC3 — Data Link

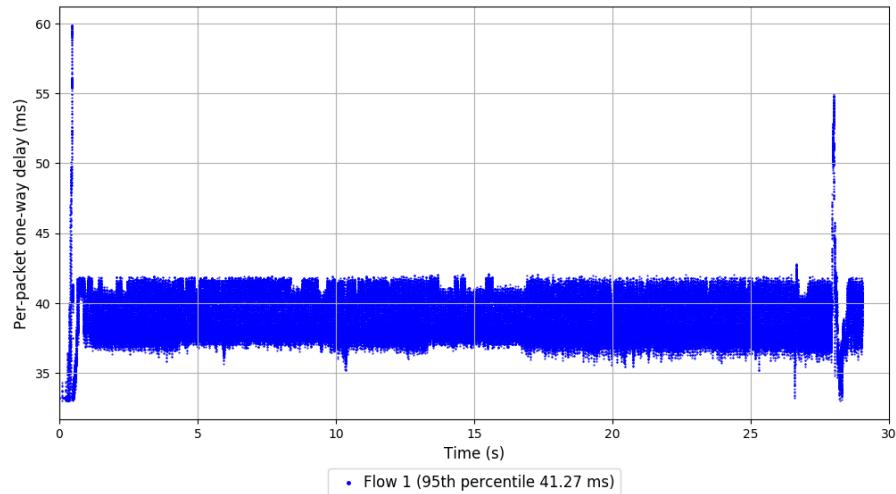
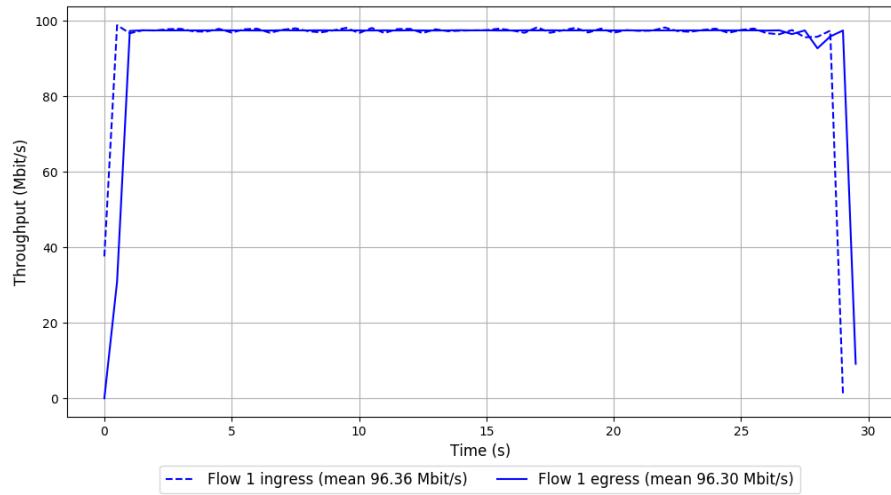


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-01-24 16:10:18
End at: 2019-01-24 16:10:48
Local clock offset: -1.365 ms
Remote clock offset: 0.087 ms

# Below is generated by plot.py at 2019-01-24 16:31:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 41.274 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 41.274 ms
Loss rate: 0.04%
```

Run 5: Report of Indigo-MusesC3 — Data Link

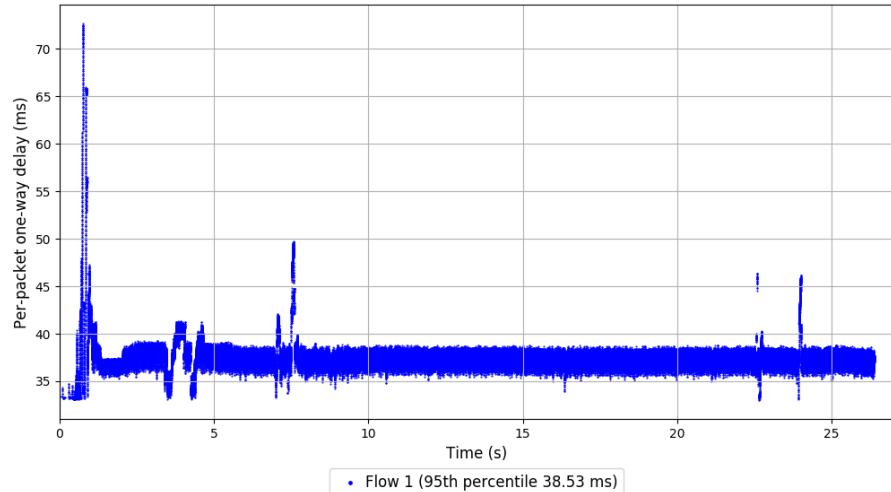
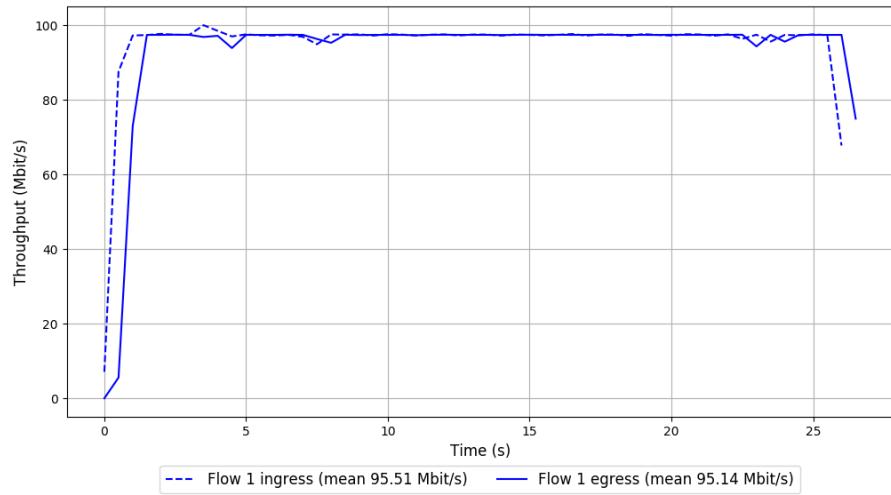


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-01-24 14:27:01
End at: 2019-01-24 14:27:31
Local clock offset: -14.457 ms
Remote clock offset: -0.813 ms

# Below is generated by plot.py at 2019-01-24 16:31:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.14 Mbit/s
95th percentile per-packet one-way delay: 38.530 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 95.14 Mbit/s
95th percentile per-packet one-way delay: 38.530 ms
Loss rate: 0.38%
```

Run 1: Report of Indigo-MusesC5 — Data Link

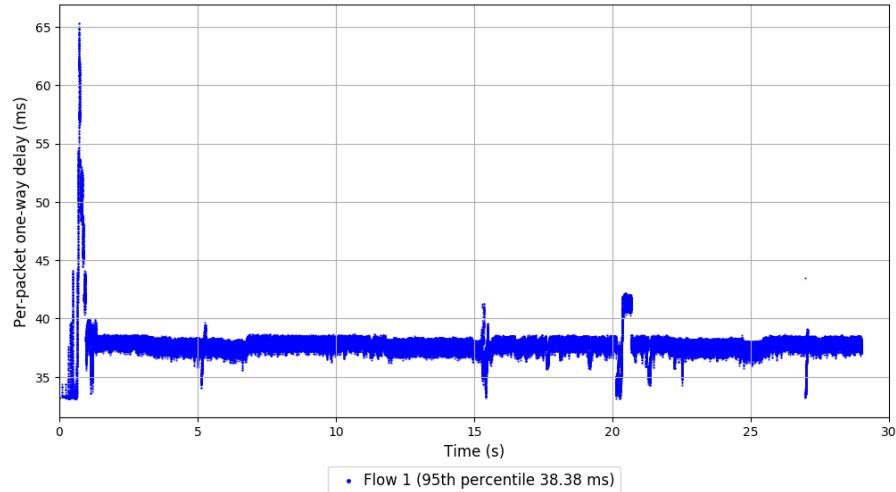
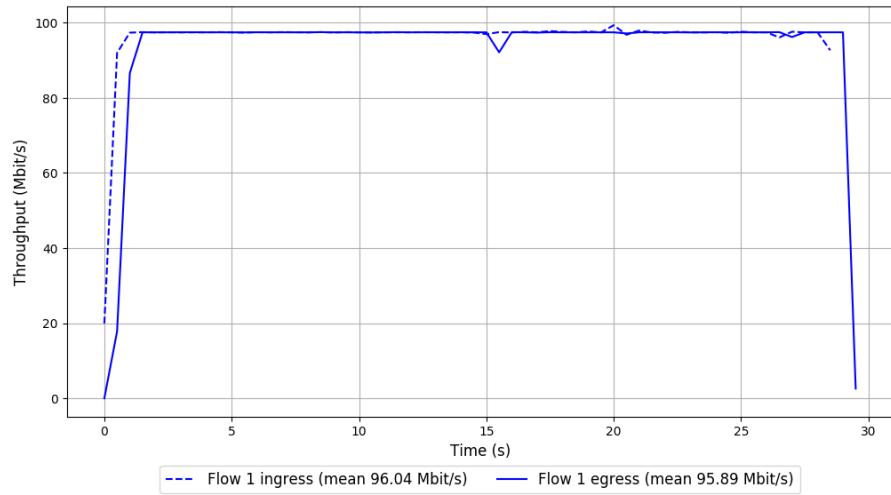


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-01-24 14:51:38
End at: 2019-01-24 14:52:08
Local clock offset: -7.079 ms
Remote clock offset: -0.484 ms

# Below is generated by plot.py at 2019-01-24 16:31:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 38.380 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 95.89 Mbit/s
95th percentile per-packet one-way delay: 38.380 ms
Loss rate: 0.14%
```

Run 2: Report of Indigo-MusesC5 — Data Link

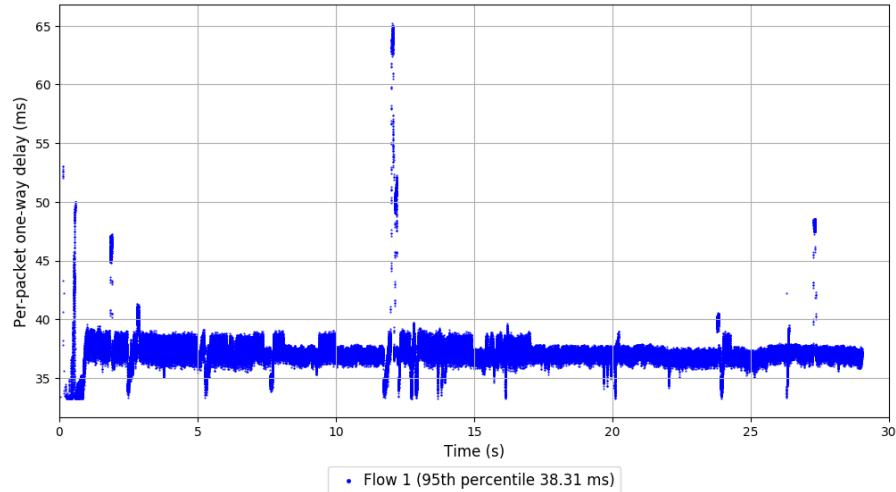
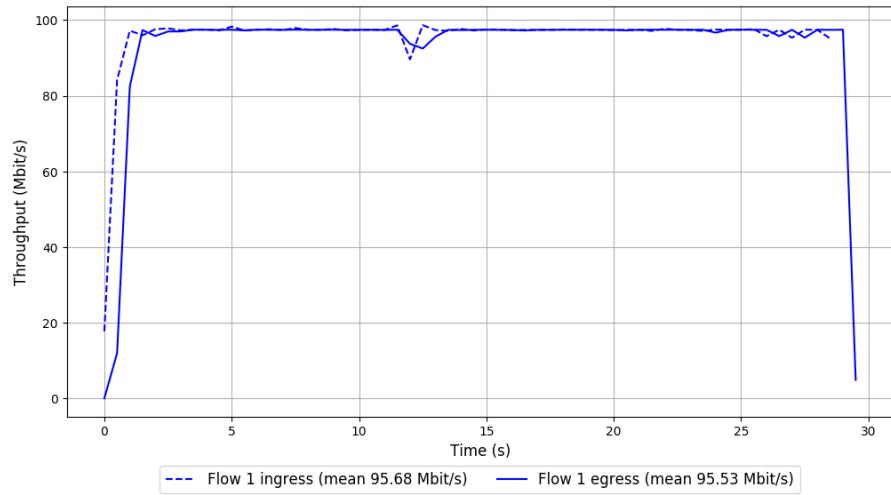


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-01-24 15:17:05
End at: 2019-01-24 15:17:35
Local clock offset: -3.503 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2019-01-24 16:32:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 38.314 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 95.53 Mbit/s
95th percentile per-packet one-way delay: 38.314 ms
Loss rate: 0.15%
```

Run 3: Report of Indigo-MusesC5 — Data Link

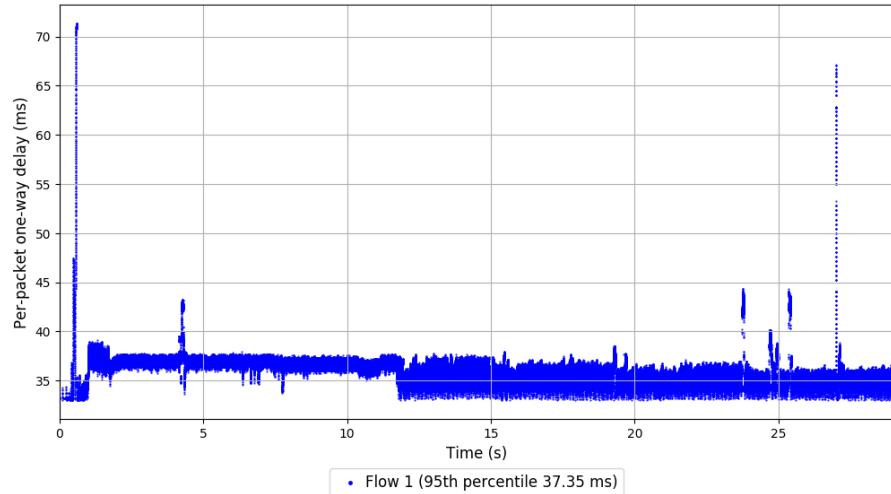
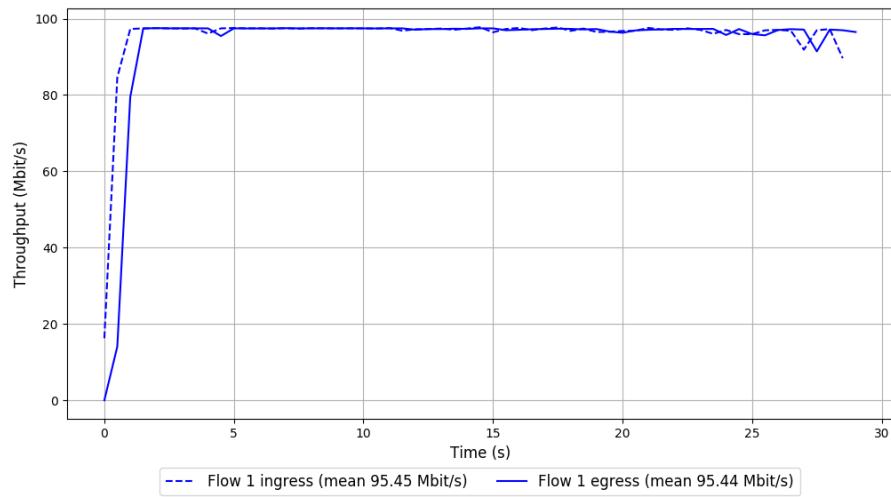


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-01-24 15:42:07
End at: 2019-01-24 15:42:37
Local clock offset: -1.994 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2019-01-24 16:32:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.44 Mbit/s
95th percentile per-packet one-way delay: 37.350 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.44 Mbit/s
95th percentile per-packet one-way delay: 37.350 ms
Loss rate: 0.01%
```

Run 4: Report of Indigo-MusesC5 — Data Link

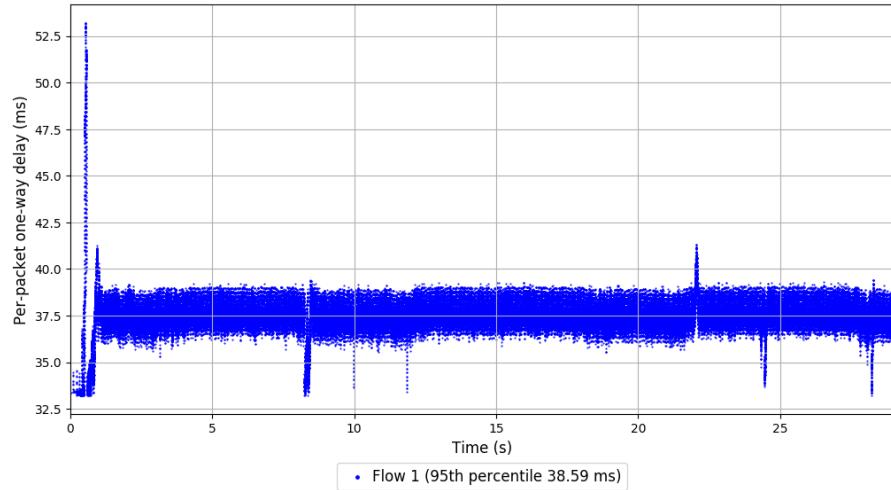
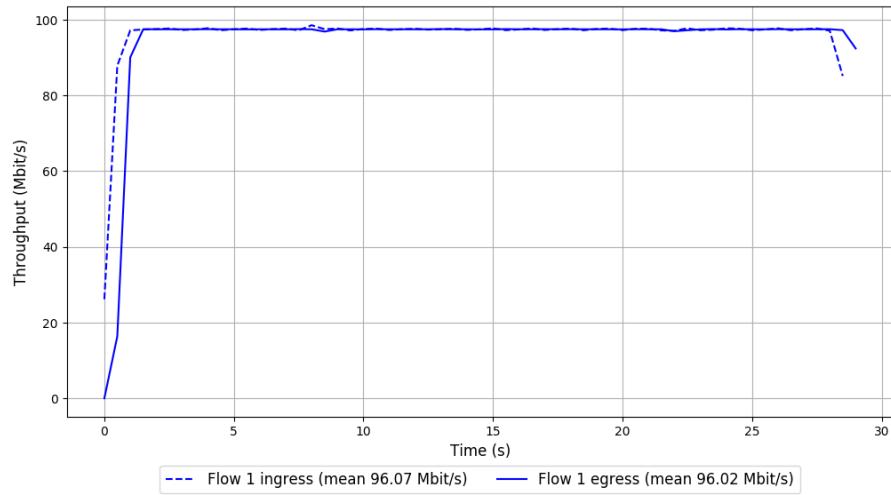


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-01-24 16:06:44
End at: 2019-01-24 16:07:14
Local clock offset: -1.58 ms
Remote clock offset: 0.265 ms

# Below is generated by plot.py at 2019-01-24 16:32:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 38.588 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 96.02 Mbit/s
95th percentile per-packet one-way delay: 38.588 ms
Loss rate: 0.04%
```

Run 5: Report of Indigo-MusesC5 — Data Link

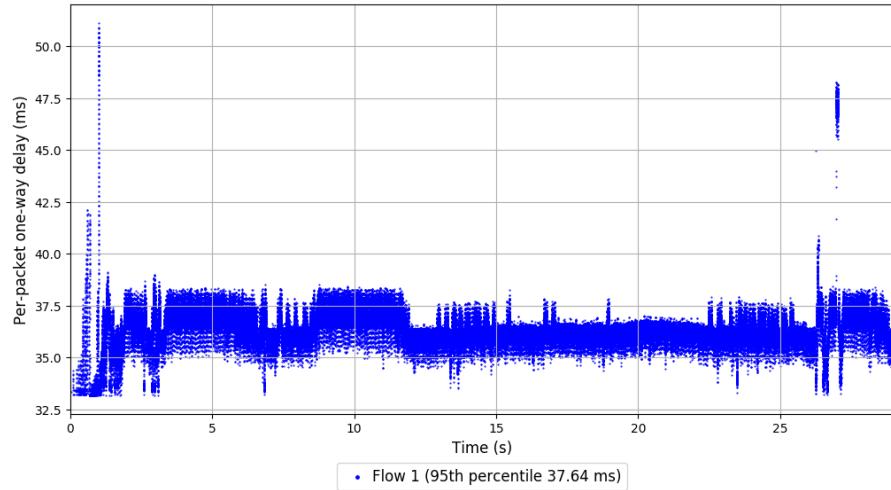
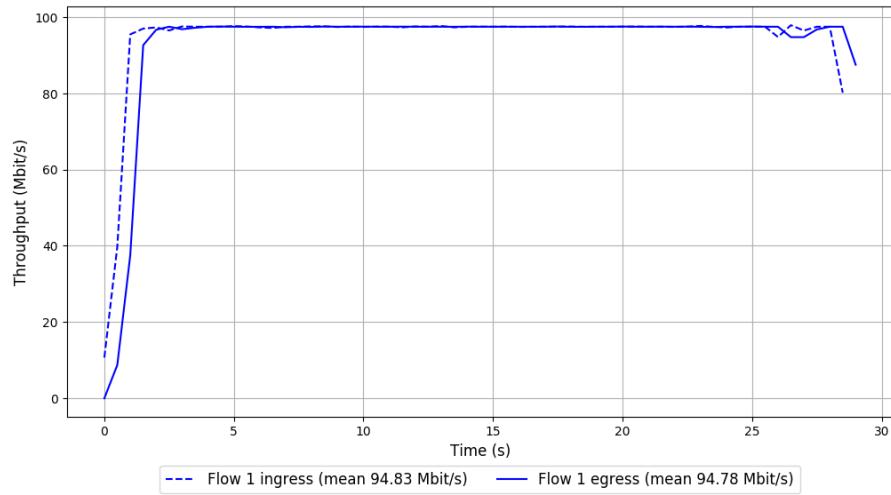


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-01-24 14:43:36
End at: 2019-01-24 14:44:06
Local clock offset: -6.824 ms
Remote clock offset: -0.633 ms

# Below is generated by plot.py at 2019-01-24 16:32:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 37.641 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 94.78 Mbit/s
95th percentile per-packet one-way delay: 37.641 ms
Loss rate: 0.05%
```

Run 1: Report of Indigo-MusesD — Data Link

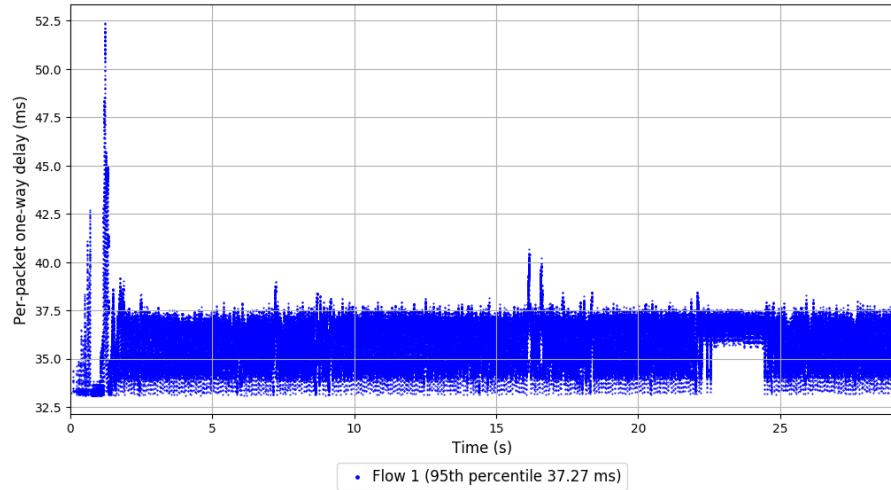
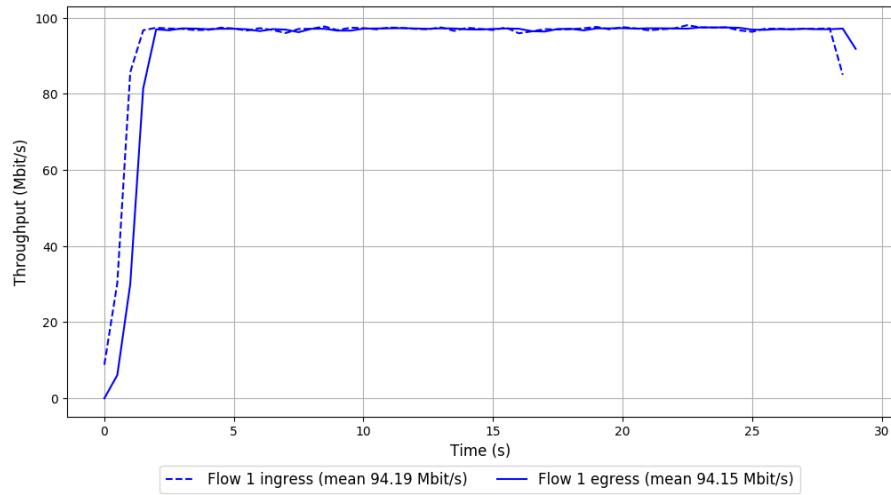


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-01-24 15:08:44
End at: 2019-01-24 15:09:14
Local clock offset: -4.233 ms
Remote clock offset: -0.422 ms

# Below is generated by plot.py at 2019-01-24 16:32:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.15 Mbit/s
95th percentile per-packet one-way delay: 37.267 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 94.15 Mbit/s
95th percentile per-packet one-way delay: 37.267 ms
Loss rate: 0.04%
```

Run 2: Report of Indigo-MusesD — Data Link

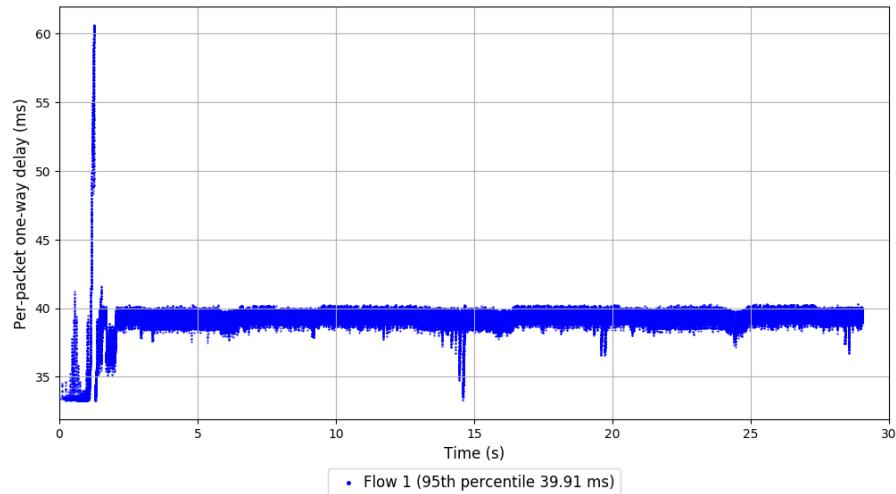
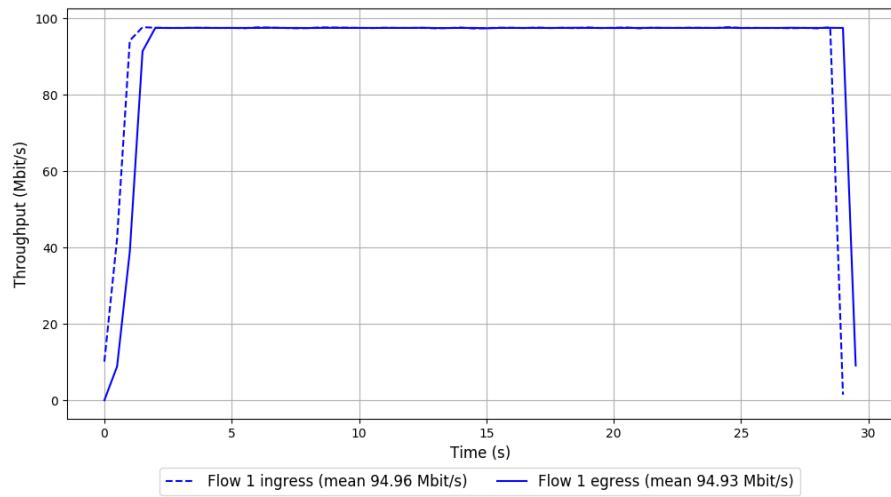


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-01-24 15:34:06
End at: 2019-01-24 15:34:36
Local clock offset: -2.993 ms
Remote clock offset: 0.037 ms

# Below is generated by plot.py at 2019-01-24 16:32:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.93 Mbit/s
95th percentile per-packet one-way delay: 39.907 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.93 Mbit/s
95th percentile per-packet one-way delay: 39.907 ms
Loss rate: 0.01%
```

Run 3: Report of Indigo-MusesD — Data Link

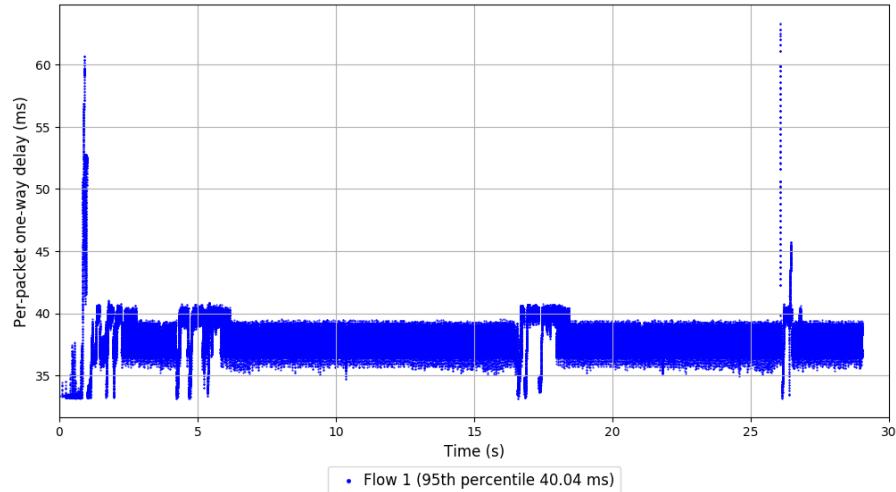
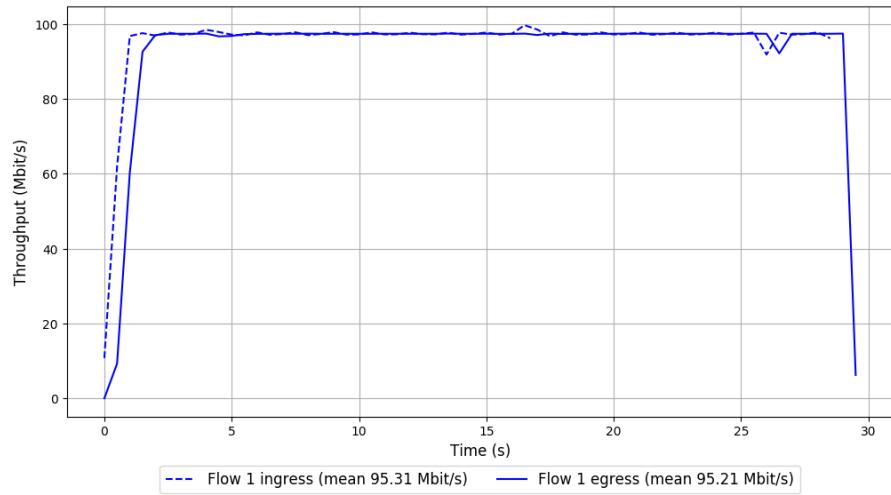


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-01-24 15:58:47
End at: 2019-01-24 15:59:17
Local clock offset: -2.642 ms
Remote clock offset: 0.186 ms

# Below is generated by plot.py at 2019-01-24 16:32:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.21 Mbit/s
95th percentile per-packet one-way delay: 40.037 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 95.21 Mbit/s
95th percentile per-packet one-way delay: 40.037 ms
Loss rate: 0.10%
```

Run 4: Report of Indigo-MusesD — Data Link

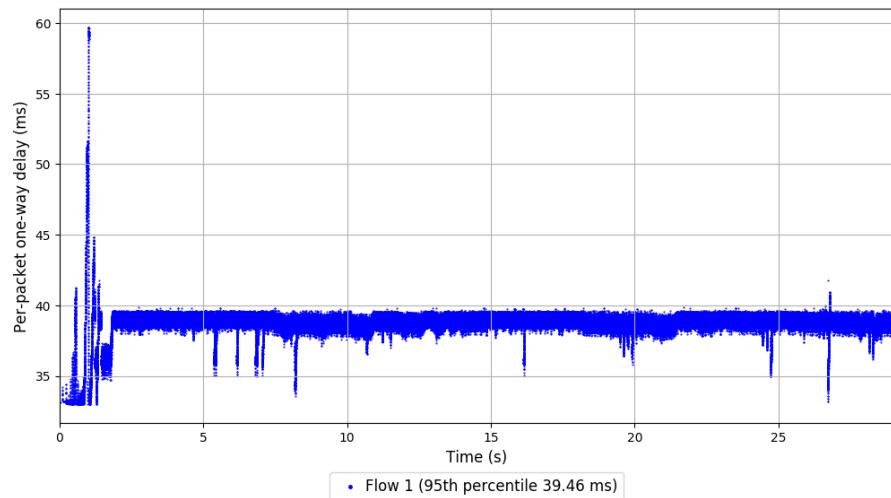
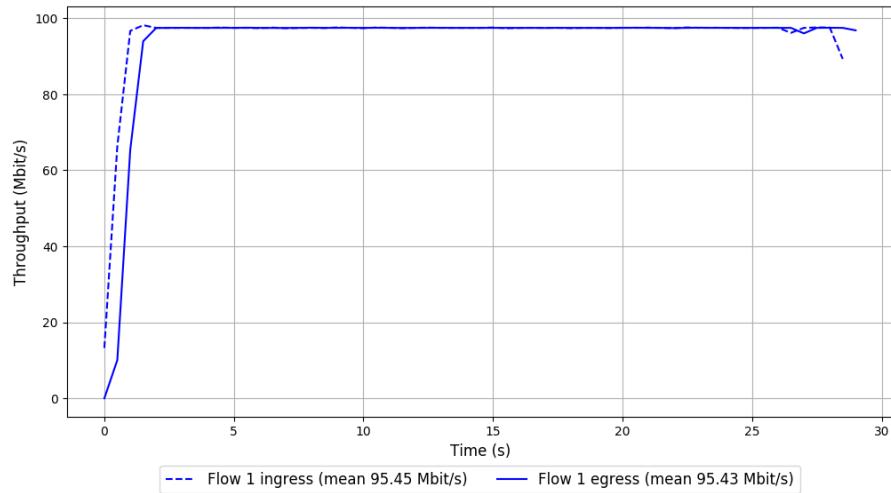


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-01-24 16:23:42
End at: 2019-01-24 16:24:12
Local clock offset: -1.507 ms
Remote clock offset: 0.084 ms

# Below is generated by plot.py at 2019-01-24 16:32:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 39.458 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 95.43 Mbit/s
95th percentile per-packet one-way delay: 39.458 ms
Loss rate: 0.01%
```

Run 5: Report of Indigo-MusesD — Data Link

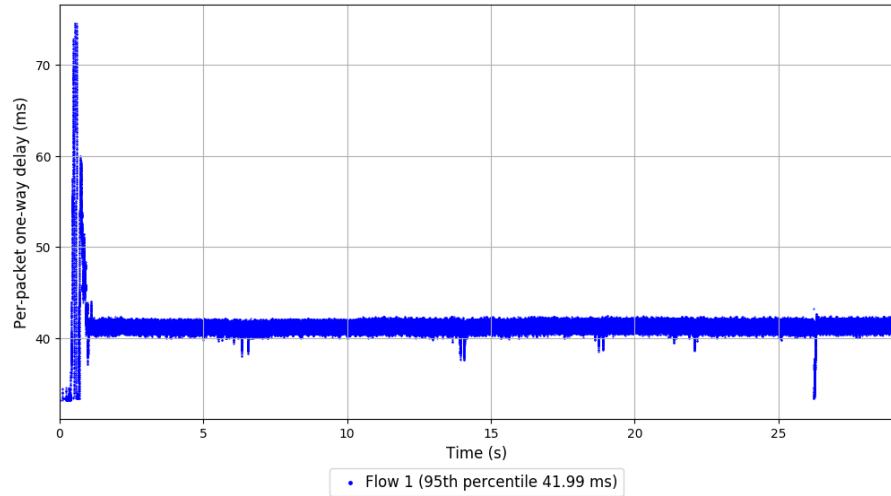
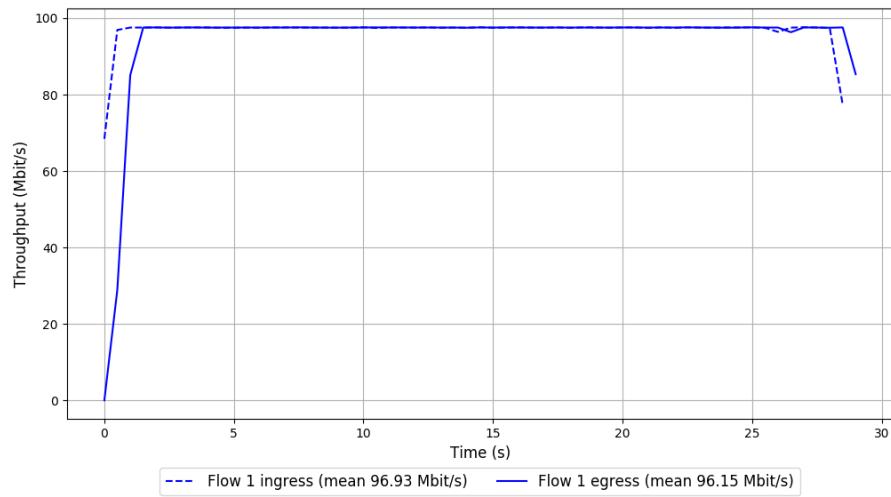


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-01-24 14:41:12
End at: 2019-01-24 14:41:42
Local clock offset: -7.147 ms
Remote clock offset: -0.675 ms

# Below is generated by plot.py at 2019-01-24 16:33:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.15 Mbit/s
95th percentile per-packet one-way delay: 41.990 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 96.15 Mbit/s
95th percentile per-packet one-way delay: 41.990 ms
Loss rate: 0.77%
```

Run 1: Report of Indigo-MusesT — Data Link

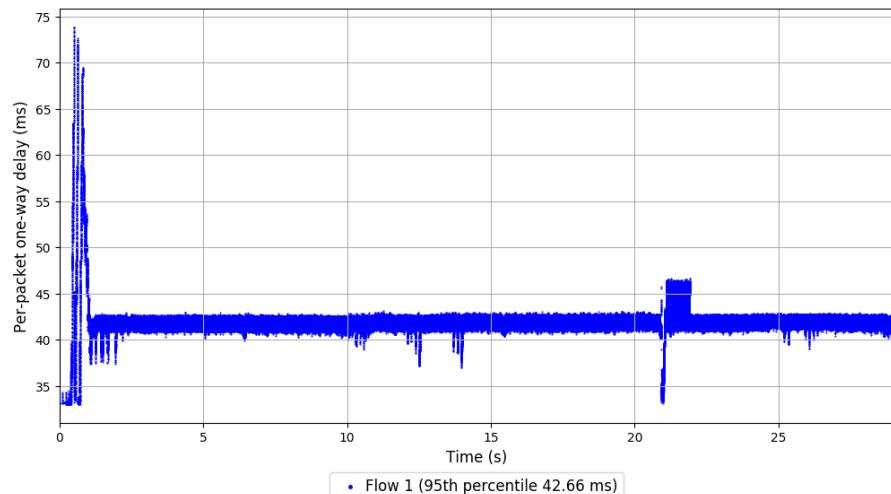
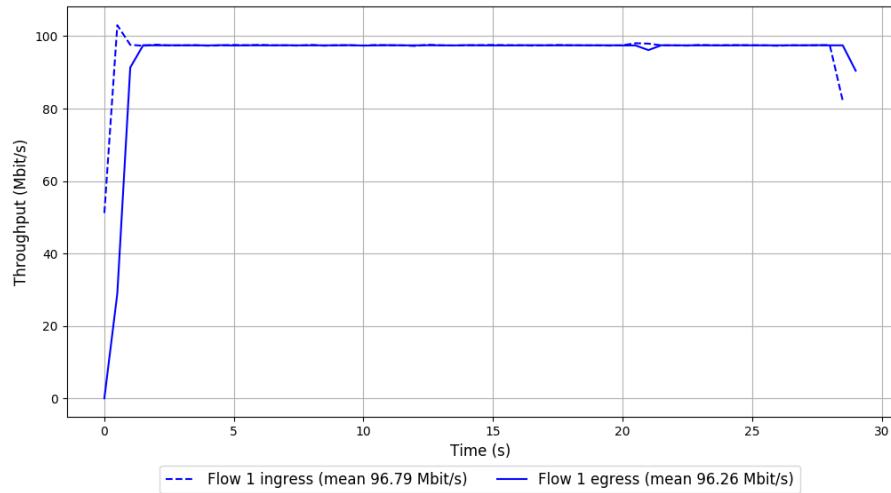


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-01-24 15:06:06
End at: 2019-01-24 15:06:36
Local clock offset: -4.943 ms
Remote clock offset: -0.503 ms

# Below is generated by plot.py at 2019-01-24 16:33:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 42.663 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 96.26 Mbit/s
95th percentile per-packet one-way delay: 42.663 ms
Loss rate: 0.51%
```

Run 2: Report of Indigo-MusesT — Data Link

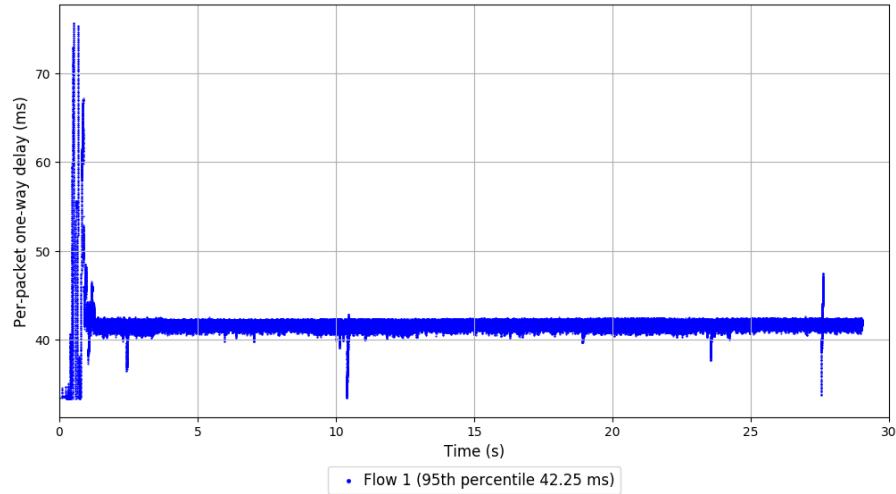
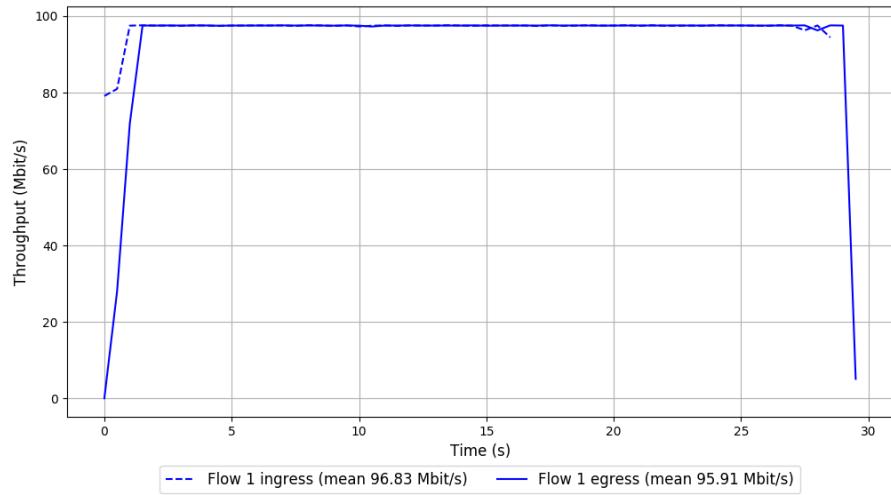


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-01-24 15:31:44
End at: 2019-01-24 15:32:14
Local clock offset: -3.742 ms
Remote clock offset: 0.036 ms

# Below is generated by plot.py at 2019-01-24 16:33:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 42.249 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 42.249 ms
Loss rate: 0.93%
```

Run 3: Report of Indigo-MusesT — Data Link

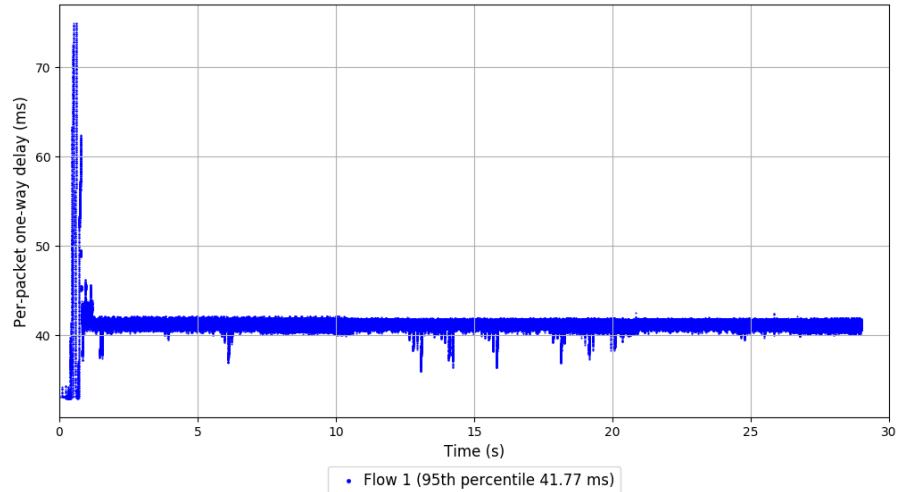
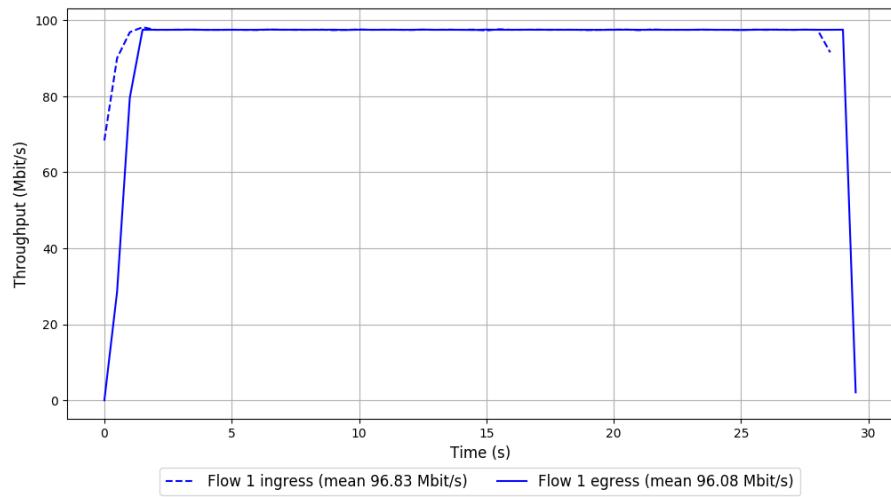


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-01-24 15:56:27
End at: 2019-01-24 15:56:57
Local clock offset: -2.44 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2019-01-24 16:33:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 41.767 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 96.08 Mbit/s
95th percentile per-packet one-way delay: 41.767 ms
Loss rate: 0.75%
```

Run 4: Report of Indigo-MusesT — Data Link

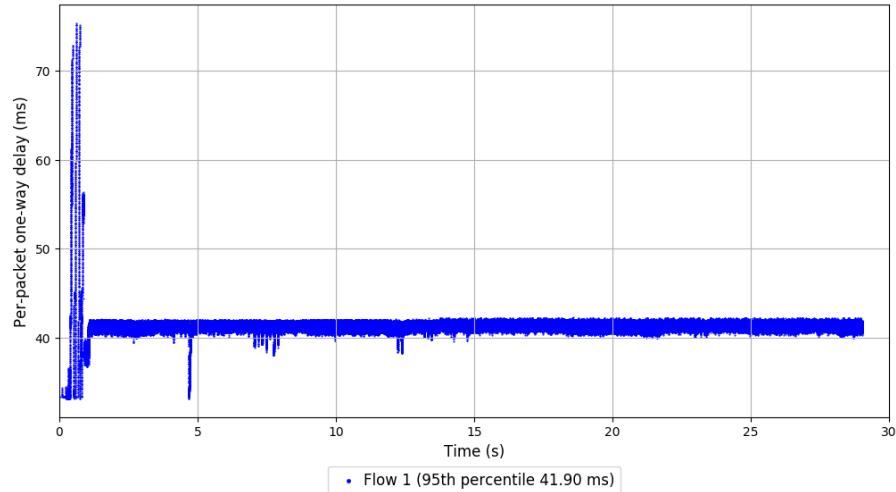
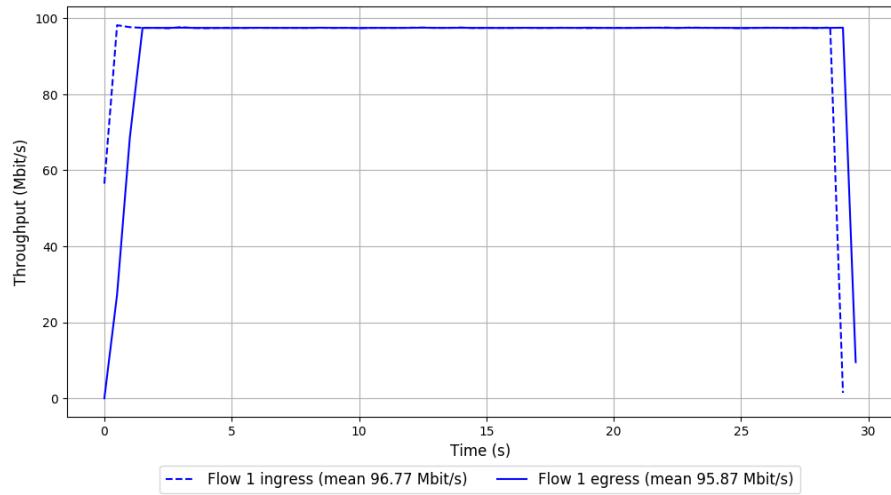


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-01-24 16:21:15
End at: 2019-01-24 16:21:45
Local clock offset: -1.417 ms
Remote clock offset: 0.248 ms

# Below is generated by plot.py at 2019-01-24 16:33:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 41.900 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 95.87 Mbit/s
95th percentile per-packet one-way delay: 41.900 ms
Loss rate: 0.91%
```

Run 5: Report of Indigo-MusesT — Data Link

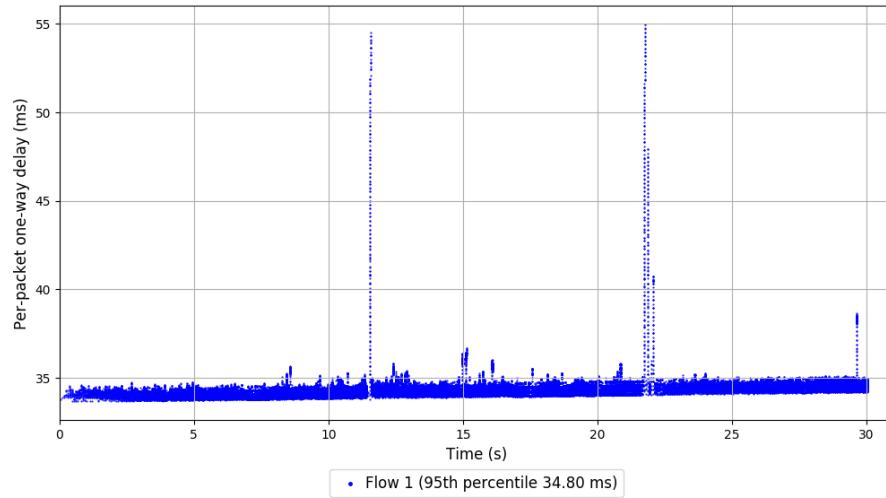
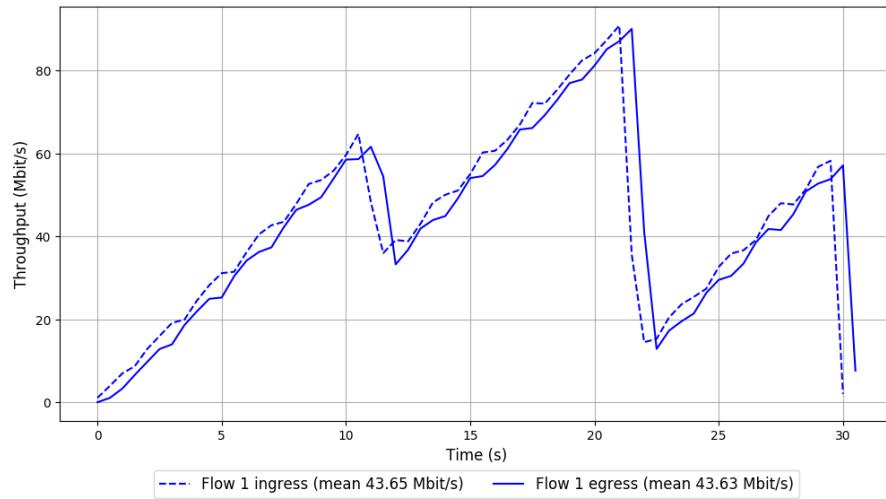


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2019-01-24 14:31:41
End at: 2019-01-24 14:32:11
Local clock offset: -13.081 ms
Remote clock offset: -0.796 ms

# Below is generated by plot.py at 2019-01-24 16:33:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.63 Mbit/s
95th percentile per-packet one-way delay: 34.798 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 43.63 Mbit/s
95th percentile per-packet one-way delay: 34.798 ms
Loss rate: 0.03%
```

Run 1: Report of LEDBAT — Data Link

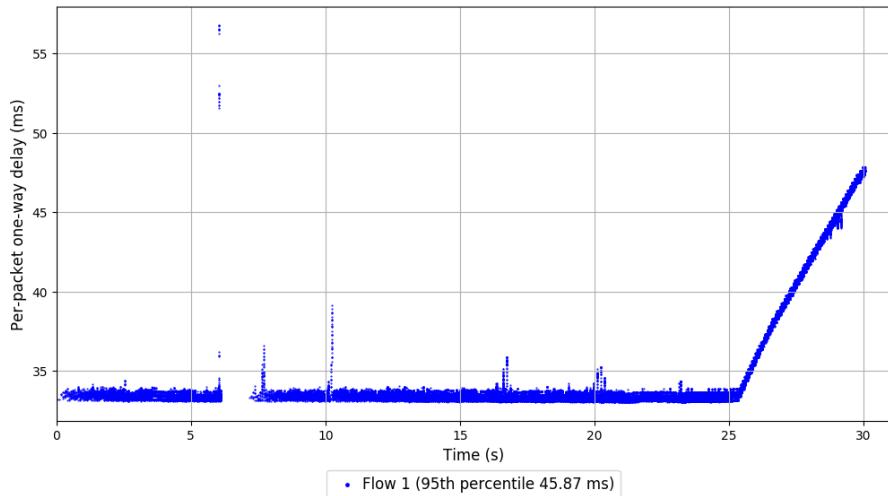
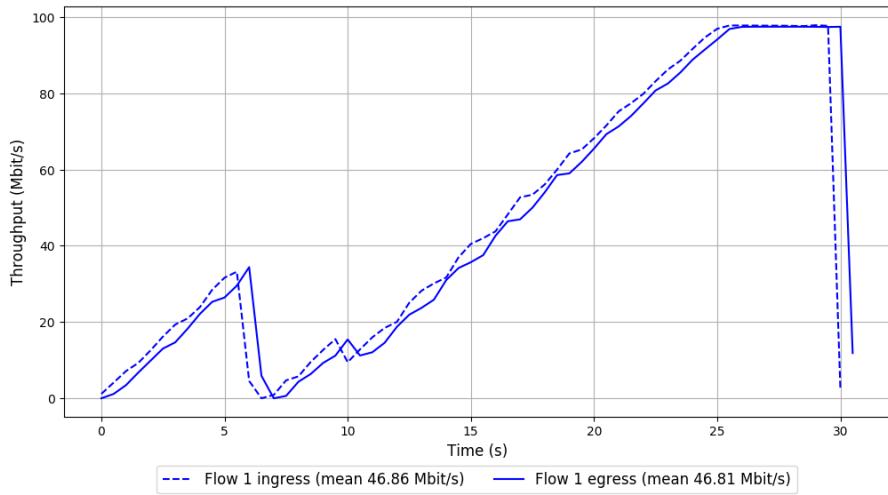


Run 2: Statistics of LEDBAT

```
Start at: 2019-01-24 14:56:22
End at: 2019-01-24 14:56:52
Local clock offset: -7.816 ms
Remote clock offset: -0.437 ms

# Below is generated by plot.py at 2019-01-24 16:33:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.81 Mbit/s
95th percentile per-packet one-way delay: 45.872 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 46.81 Mbit/s
95th percentile per-packet one-way delay: 45.872 ms
Loss rate: 0.06%
```

Run 2: Report of LEDBAT — Data Link

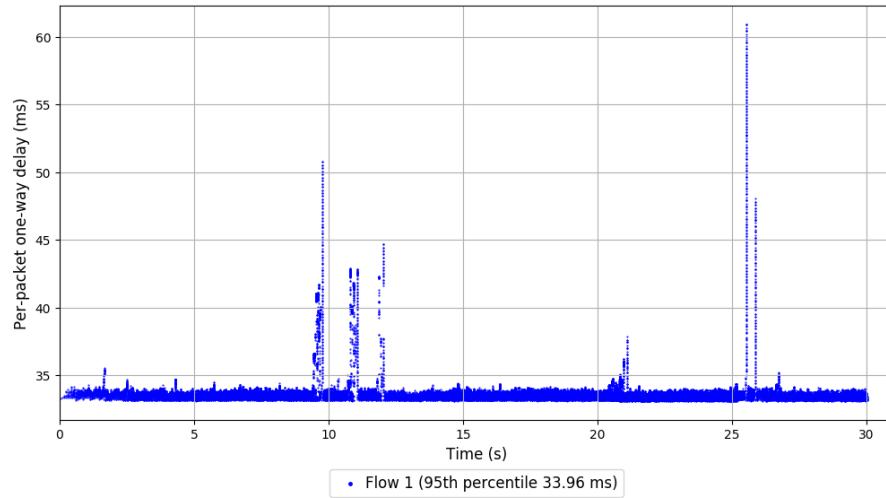
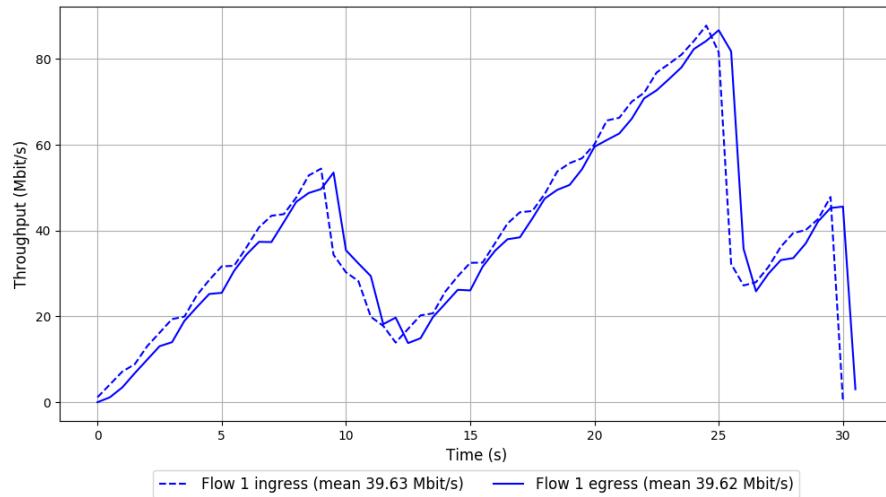


Run 3: Statistics of LEDBAT

```
Start at: 2019-01-24 15:21:55
End at: 2019-01-24 15:22:25
Local clock offset: -3.713 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2019-01-24 16:33:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 33.963 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 39.62 Mbit/s
95th percentile per-packet one-way delay: 33.963 ms
Loss rate: 0.04%
```

Run 3: Report of LEDBAT — Data Link

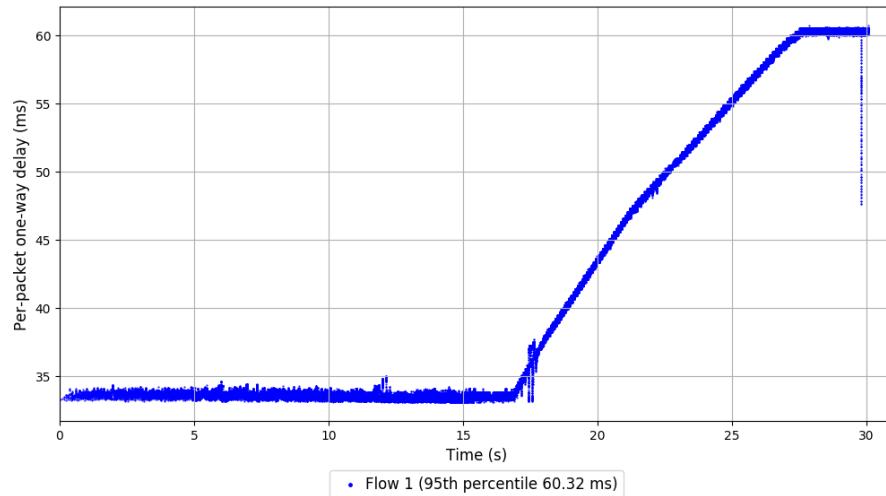
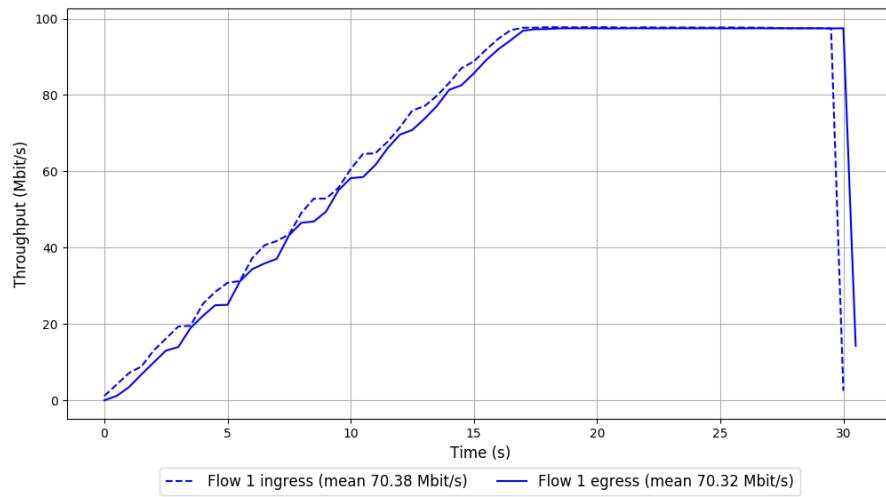


Run 4: Statistics of LEDBAT

```
Start at: 2019-01-24 15:47:00
End at: 2019-01-24 15:47:30
Local clock offset: -1.936 ms
Remote clock offset: 0.129 ms

# Below is generated by plot.py at 2019-01-24 16:34:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.32 Mbit/s
95th percentile per-packet one-way delay: 60.316 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 70.32 Mbit/s
95th percentile per-packet one-way delay: 60.316 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

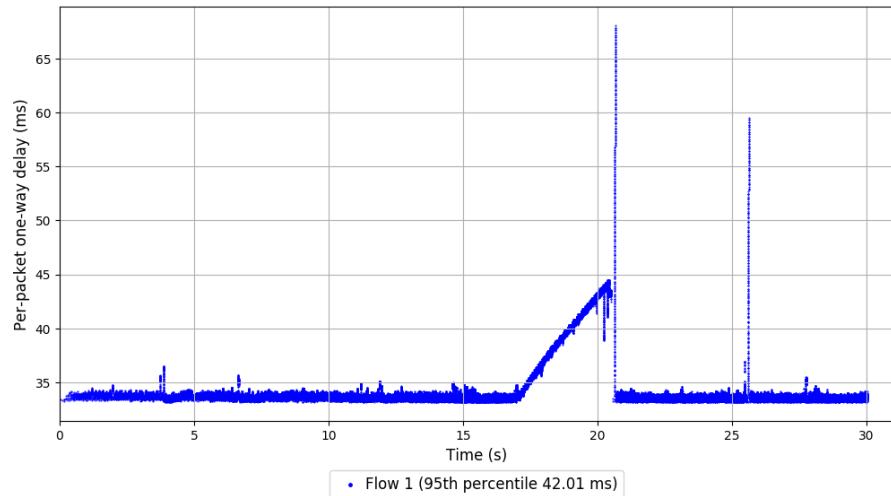
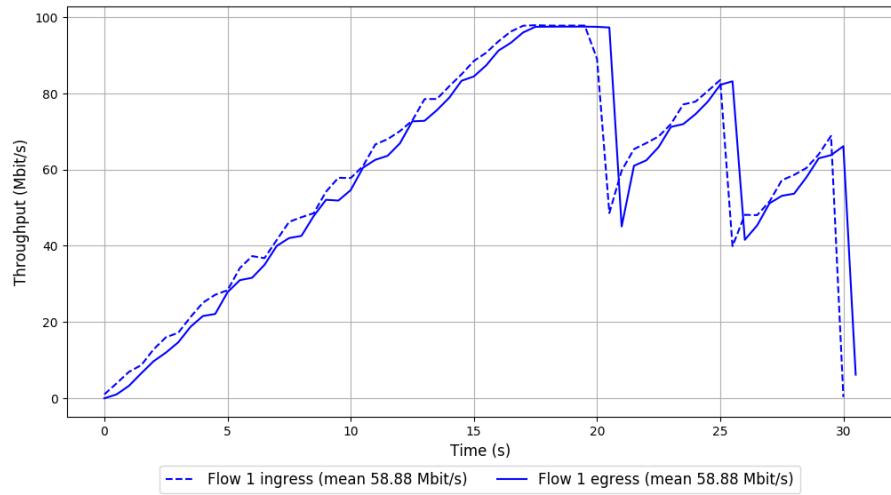


Run 5: Statistics of LEDBAT

```
Start at: 2019-01-24 16:11:31
End at: 2019-01-24 16:12:01
Local clock offset: -1.319 ms
Remote clock offset: 0.226 ms

# Below is generated by plot.py at 2019-01-24 16:34:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.88 Mbit/s
95th percentile per-packet one-way delay: 42.005 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 58.88 Mbit/s
95th percentile per-packet one-way delay: 42.005 ms
Loss rate: 0.01%
```

Run 5: Report of LEDBAT — Data Link

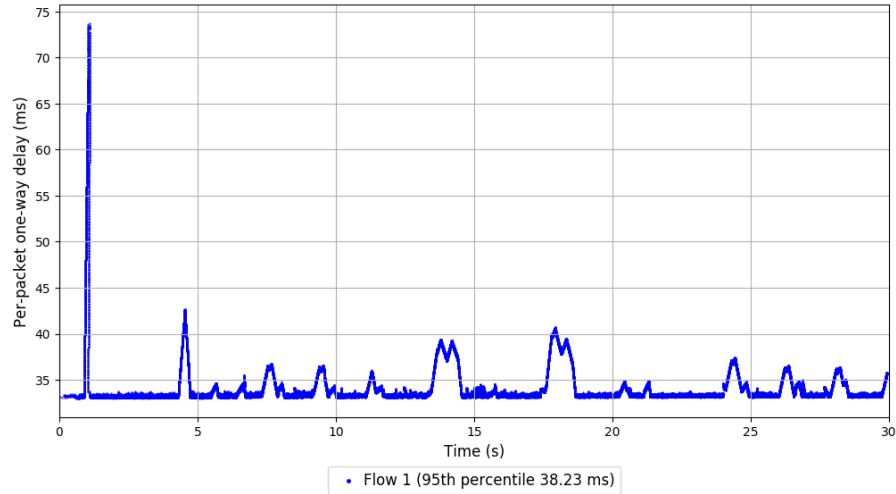
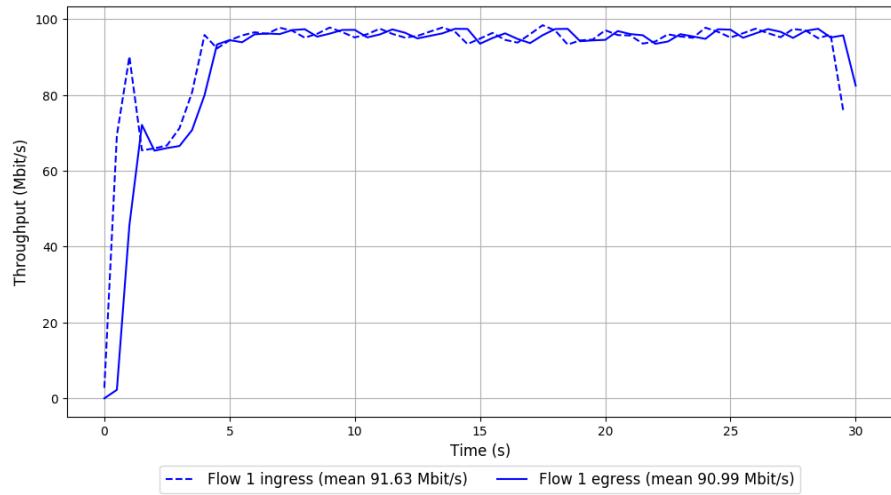


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-01-24 14:42:25
End at: 2019-01-24 14:42:55
Local clock offset: -6.981 ms
Remote clock offset: -0.856 ms

# Below is generated by plot.py at 2019-01-24 16:34:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.99 Mbit/s
95th percentile per-packet one-way delay: 38.232 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 90.99 Mbit/s
95th percentile per-packet one-way delay: 38.232 ms
Loss rate: 0.70%
```

Run 1: Report of PCC-Allegro — Data Link

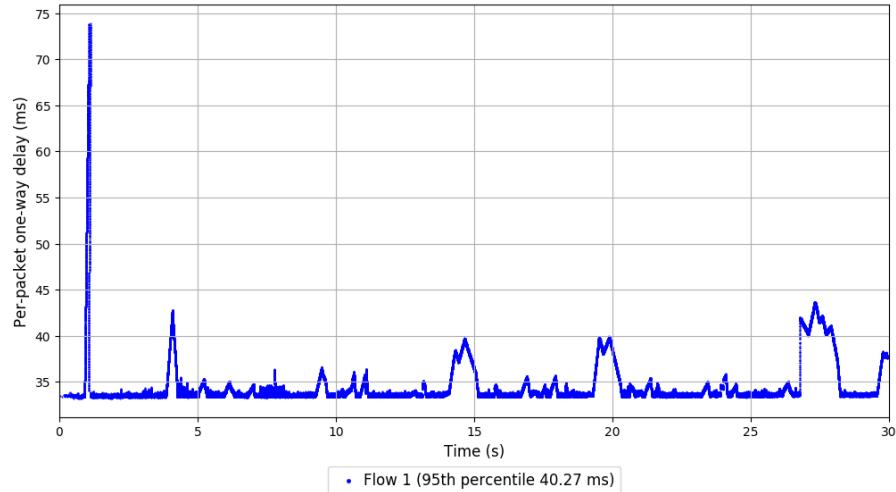
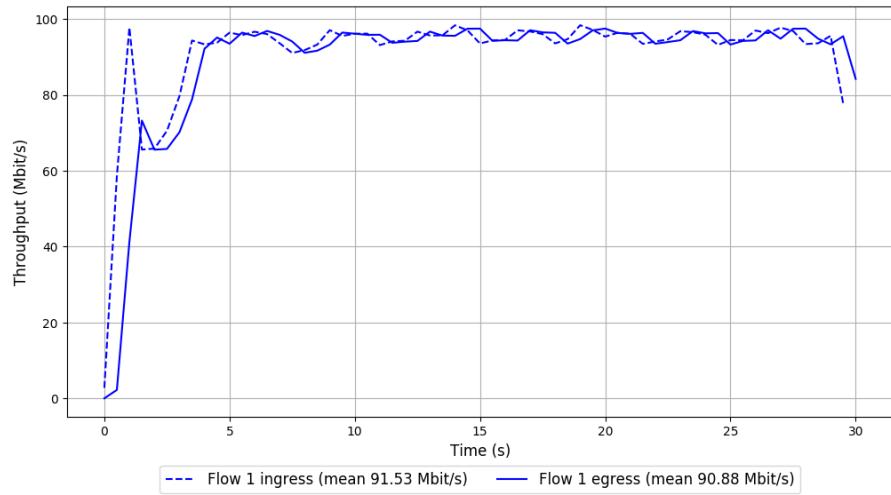


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-01-24 15:07:27
End at: 2019-01-24 15:07:57
Local clock offset: -4.592 ms
Remote clock offset: -0.286 ms

# Below is generated by plot.py at 2019-01-24 16:34:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: 40.267 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 90.88 Mbit/s
95th percentile per-packet one-way delay: 40.267 ms
Loss rate: 0.70%
```

Run 2: Report of PCC-Allegro — Data Link

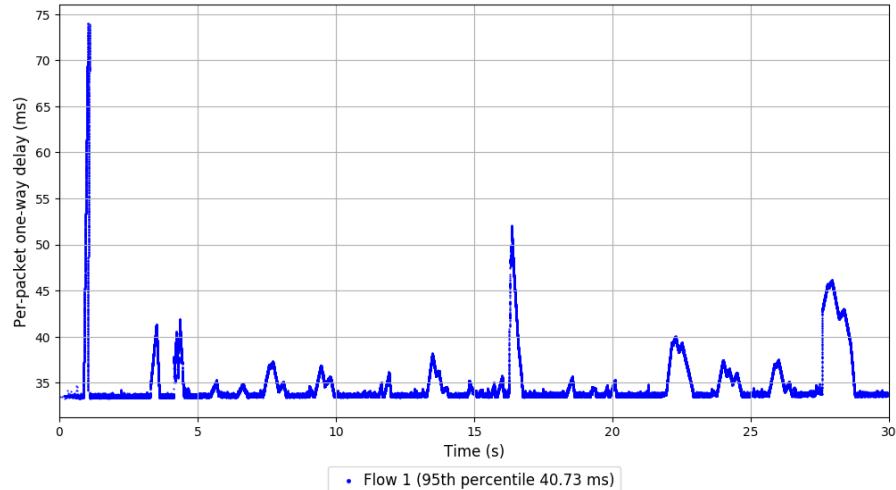
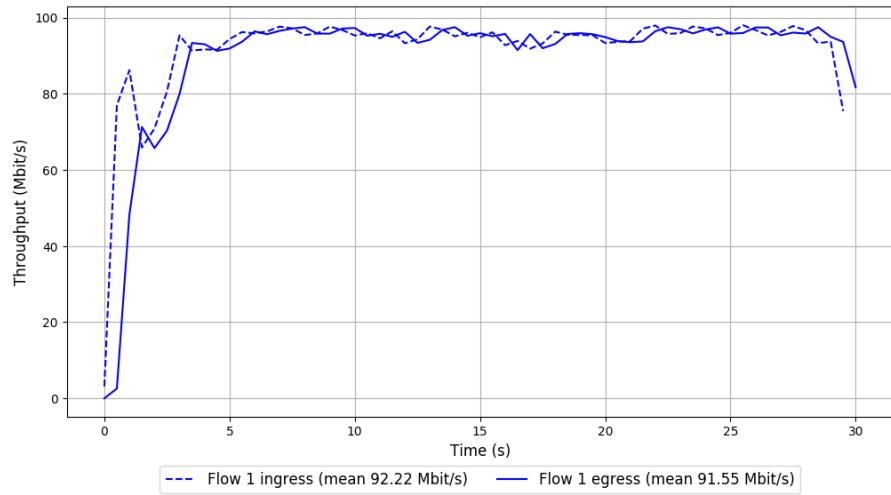


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-01-24 15:32:57
End at: 2019-01-24 15:33:27
Local clock offset: -3.325 ms
Remote clock offset: 0.035 ms

# Below is generated by plot.py at 2019-01-24 16:34:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.55 Mbit/s
95th percentile per-packet one-way delay: 40.735 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 91.55 Mbit/s
95th percentile per-packet one-way delay: 40.735 ms
Loss rate: 0.73%
```

Run 3: Report of PCC-Allegro — Data Link

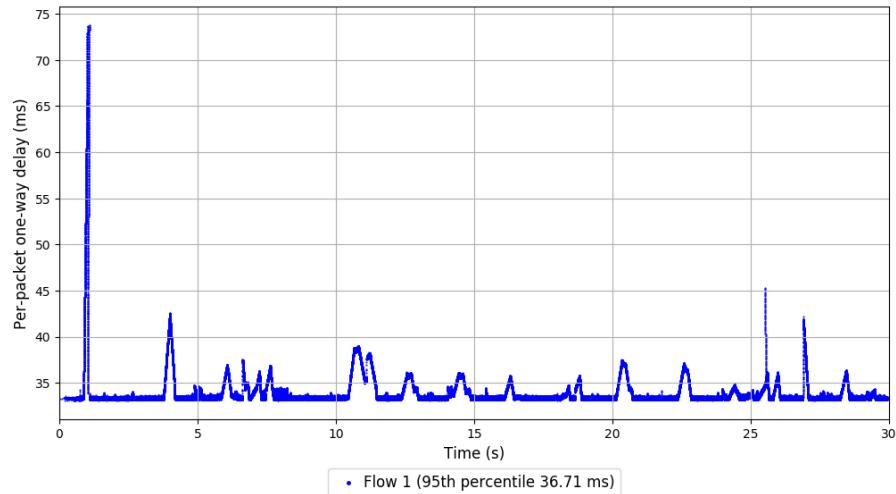
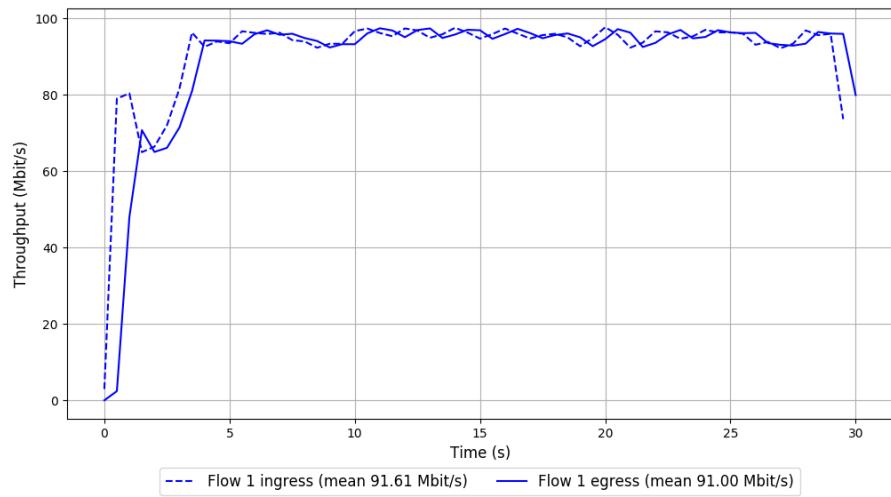


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-01-24 15:57:38
End at: 2019-01-24 15:58:08
Local clock offset: -2.525 ms
Remote clock offset: 0.205 ms

# Below is generated by plot.py at 2019-01-24 16:34:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.00 Mbit/s
95th percentile per-packet one-way delay: 36.706 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 91.00 Mbit/s
95th percentile per-packet one-way delay: 36.706 ms
Loss rate: 0.67%
```

Run 4: Report of PCC-Allegro — Data Link

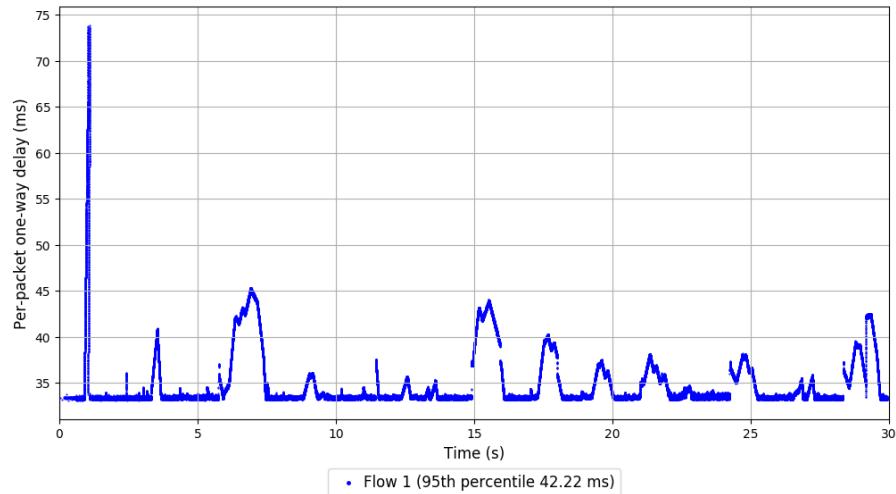
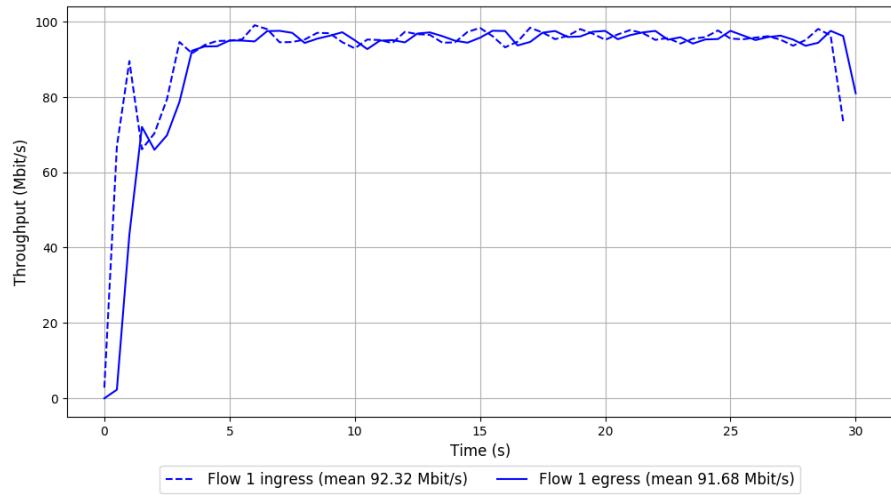


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-01-24 16:22:28
End at: 2019-01-24 16:22:59
Local clock offset: -1.463 ms
Remote clock offset: 0.241 ms

# Below is generated by plot.py at 2019-01-24 16:34:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 42.218 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 91.68 Mbit/s
95th percentile per-packet one-way delay: 42.218 ms
Loss rate: 0.69%
```

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

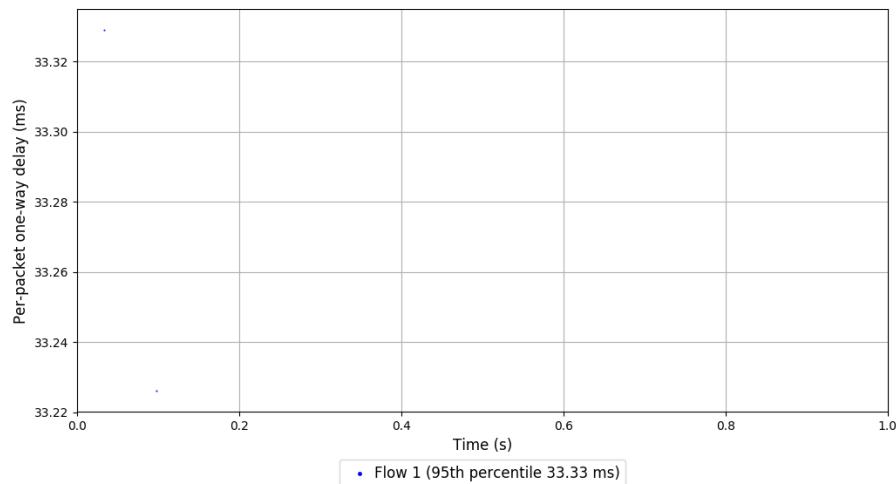
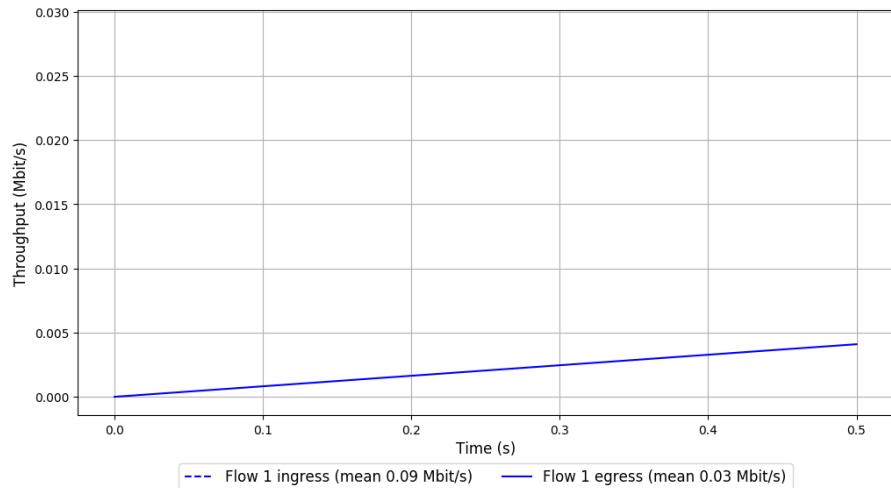
Start at: 2019-01-24 14:44:47

End at: 2019-01-24 14:45:17

Local clock offset: -6.716 ms

Remote clock offset: -0.577 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

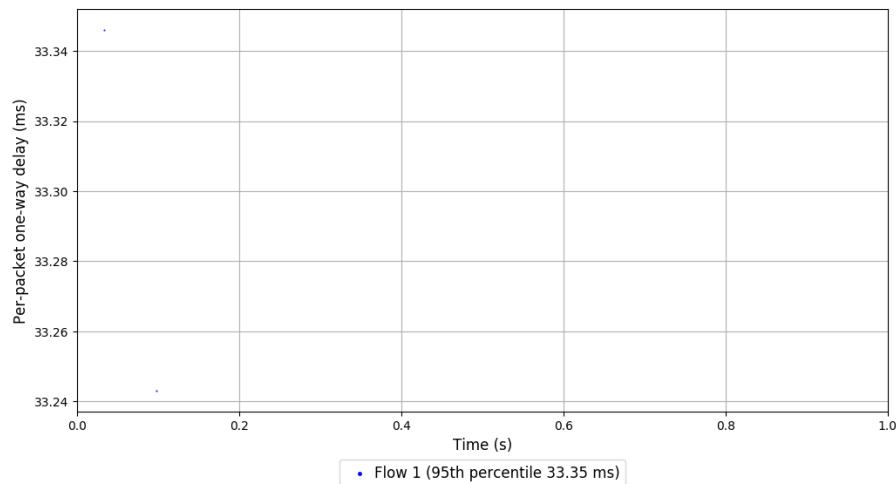
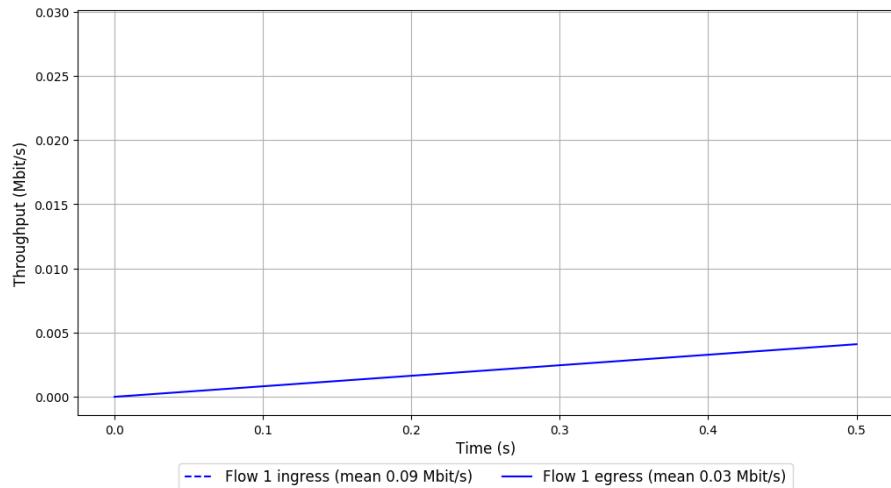
Start at: 2019-01-24 15:10:05

End at: 2019-01-24 15:10:35

Local clock offset: -4.008 ms

Remote clock offset: -0.21 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

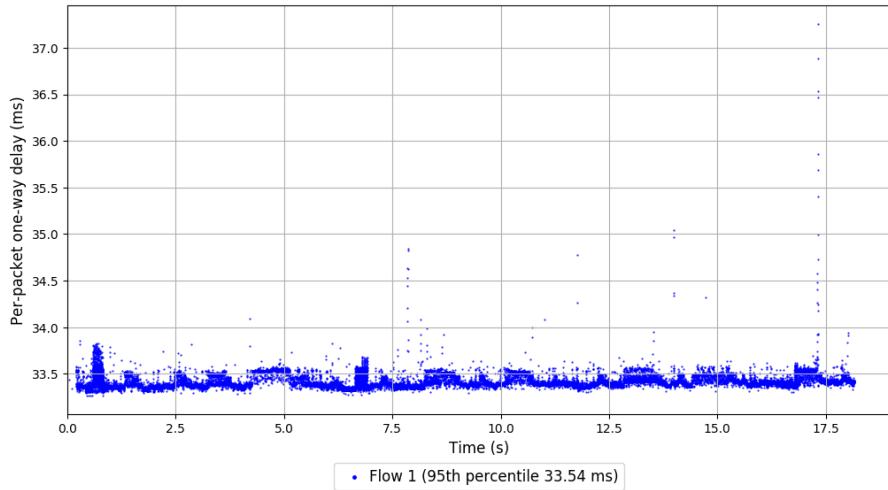
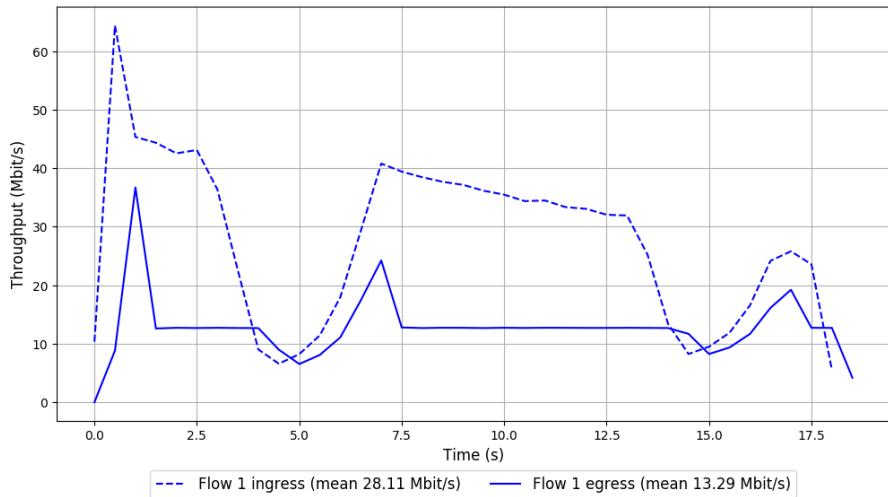
Start at: 2019-01-24 15:35:16

End at: 2019-01-24 15:35:46

Local clock offset: -2.763 ms

Remote clock offset: 0.052 ms

Run 3: Report of PCC-Expr — Data Link

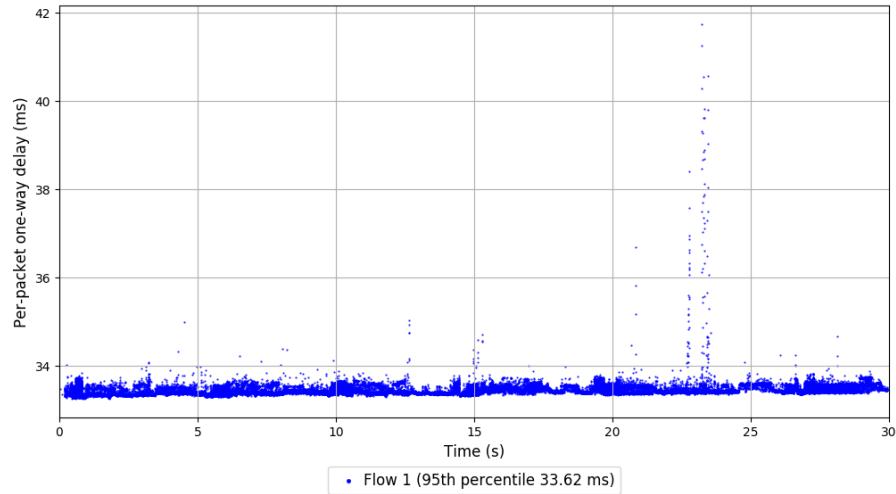
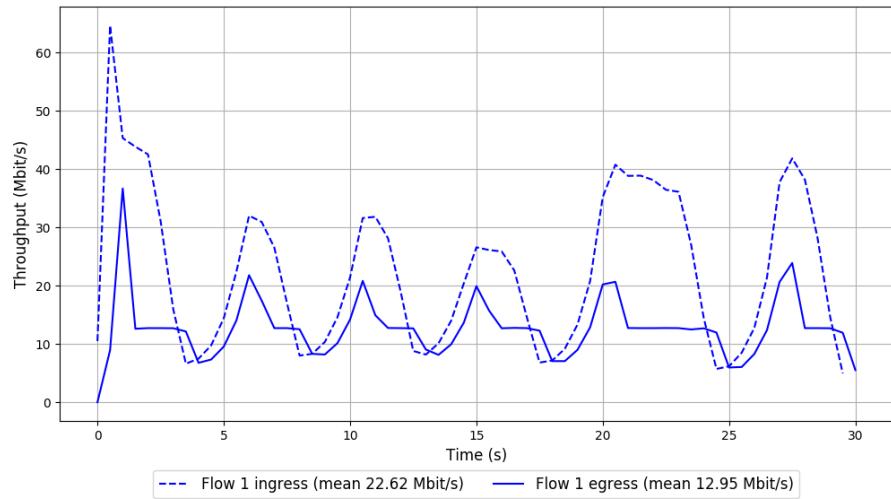


Run 4: Statistics of PCC-Expr

```
Start at: 2019-01-24 15:59:57
End at: 2019-01-24 16:00:27
Local clock offset: -2.698 ms
Remote clock offset: 0.179 ms

# Below is generated by plot.py at 2019-01-24 16:34:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.95 Mbit/s
95th percentile per-packet one-way delay: 33.619 ms
Loss rate: 42.77%
-- Flow 1:
Average throughput: 12.95 Mbit/s
95th percentile per-packet one-way delay: 33.619 ms
Loss rate: 42.77%
```

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

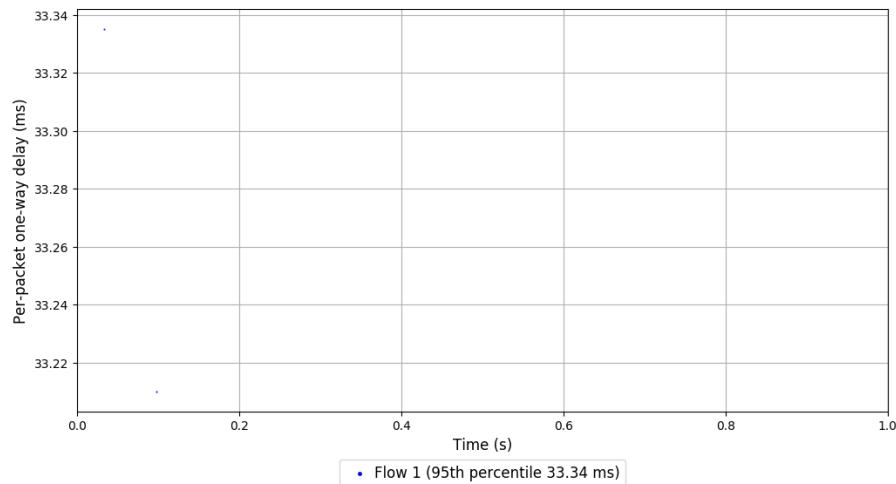
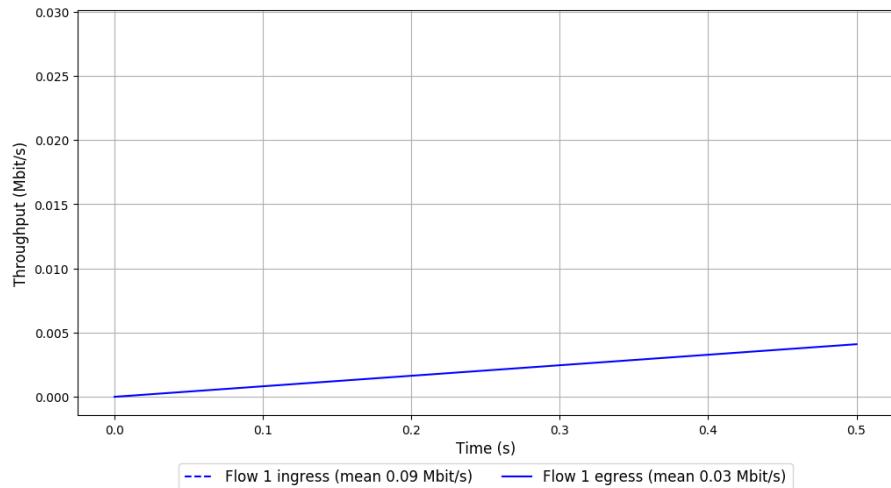
Start at: 2019-01-24 16:24:57

End at: 2019-01-24 16:25:27

Local clock offset: -1.563 ms

Remote clock offset: 0.233 ms

Run 5: Report of PCC-Expr — Data Link

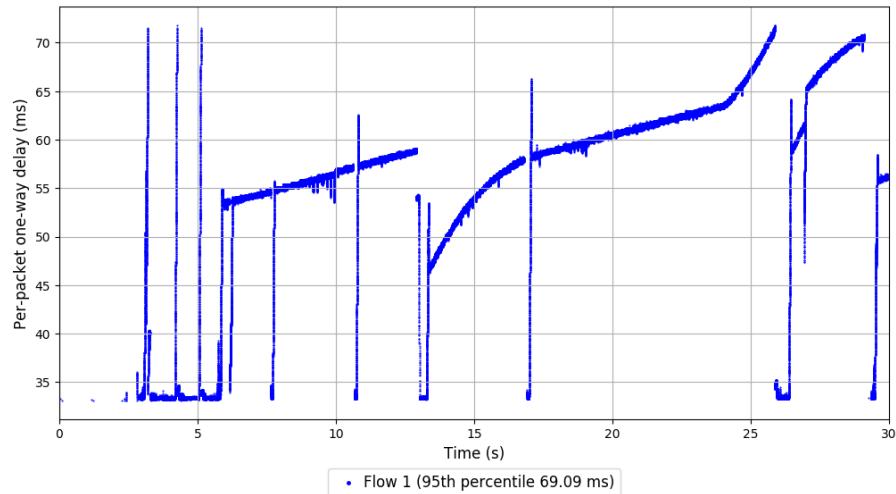
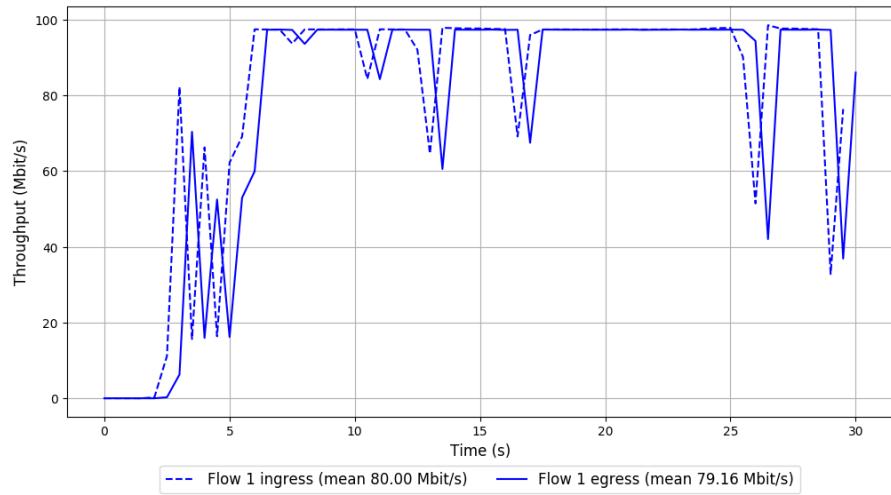


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-01-24 14:39:55
End at: 2019-01-24 14:40:25
Local clock offset: -7.495 ms
Remote clock offset: -0.748 ms

# Below is generated by plot.py at 2019-01-24 16:35:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.16 Mbit/s
95th percentile per-packet one-way delay: 69.087 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 79.16 Mbit/s
95th percentile per-packet one-way delay: 69.087 ms
Loss rate: 0.98%
```

Run 1: Report of QUIC Cubic — Data Link

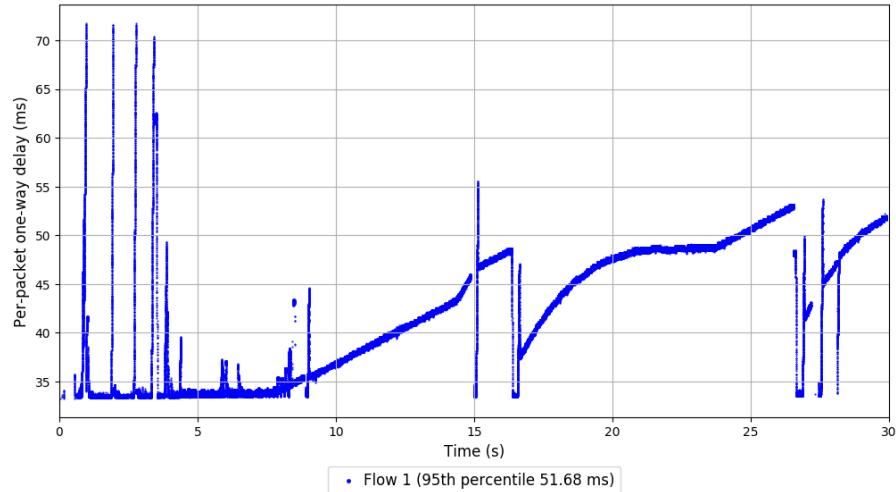
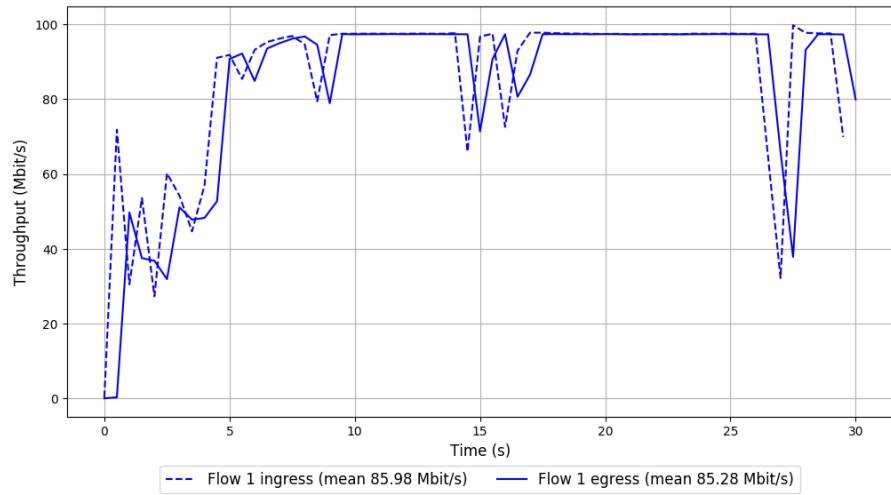


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-01-24 15:04:52
End at: 2019-01-24 15:05:22
Local clock offset: -5.481 ms
Remote clock offset: -0.278 ms

# Below is generated by plot.py at 2019-01-24 16:35:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.28 Mbit/s
95th percentile per-packet one-way delay: 51.684 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 85.28 Mbit/s
95th percentile per-packet one-way delay: 51.684 ms
Loss rate: 0.75%
```

Run 2: Report of QUIC Cubic — Data Link

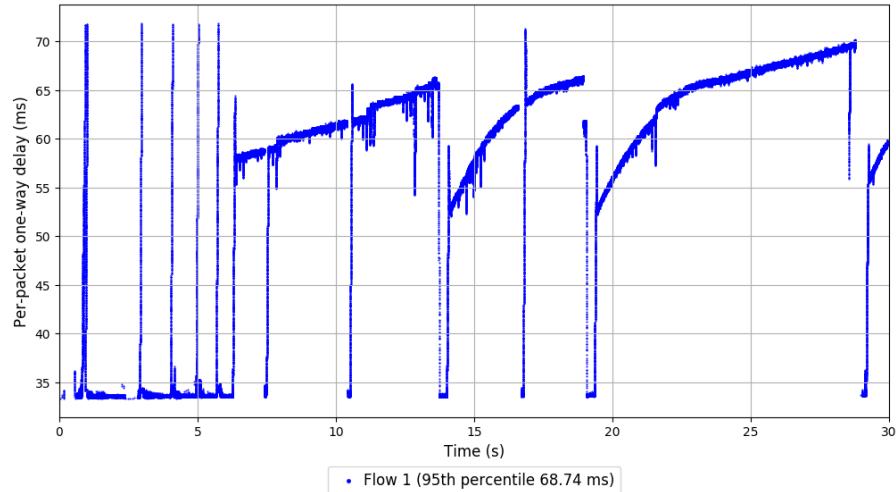
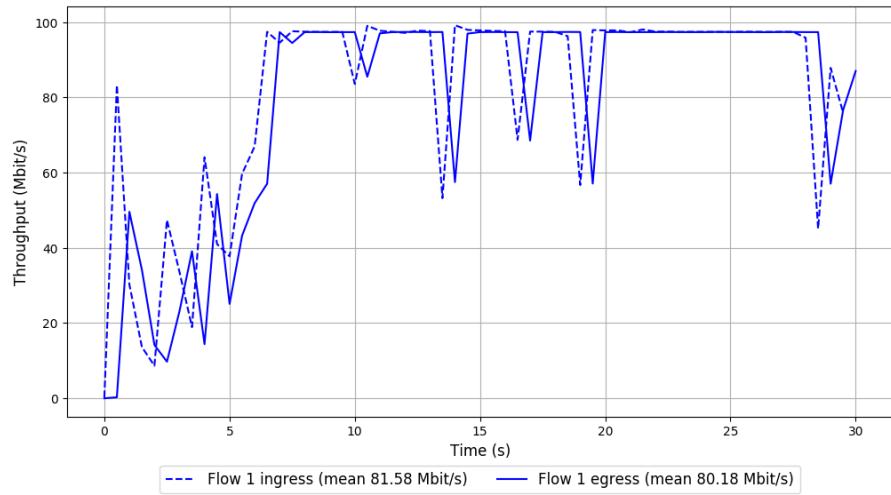


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-01-24 15:30:27
End at: 2019-01-24 15:30:57
Local clock offset: -4.267 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2019-01-24 16:35:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.18 Mbit/s
95th percentile per-packet one-way delay: 68.740 ms
Loss rate: 1.62%
-- Flow 1:
Average throughput: 80.18 Mbit/s
95th percentile per-packet one-way delay: 68.740 ms
Loss rate: 1.62%
```

Run 3: Report of QUIC Cubic — Data Link

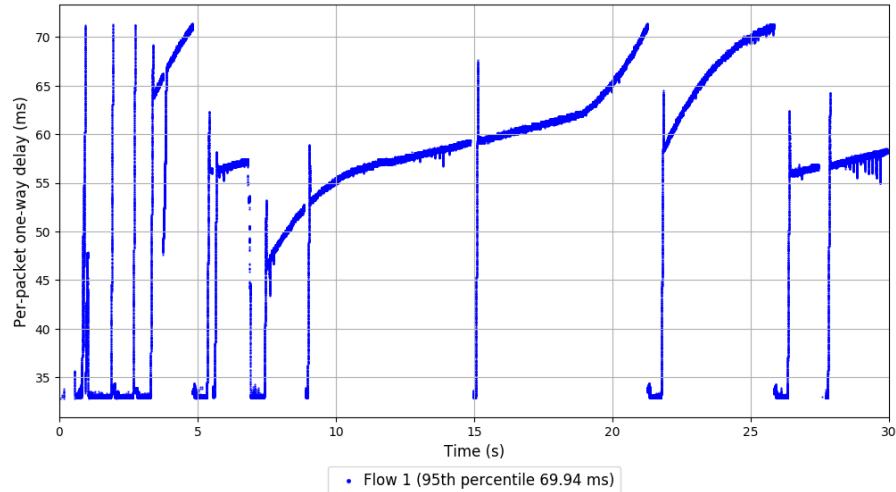
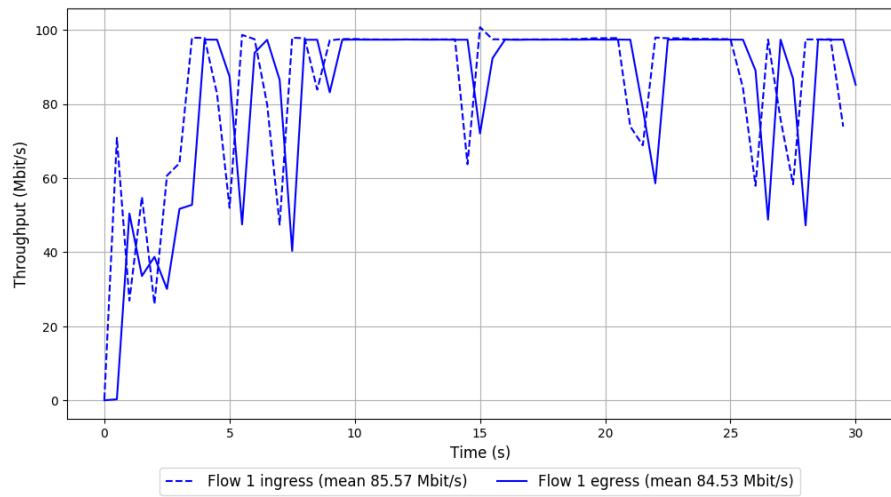


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-01-24 15:55:15
End at: 2019-01-24 15:55:45
Local clock offset: -2.357 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2019-01-24 16:35:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 69.935 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 69.935 ms
Loss rate: 1.13%
```

Run 4: Report of QUIC Cubic — Data Link

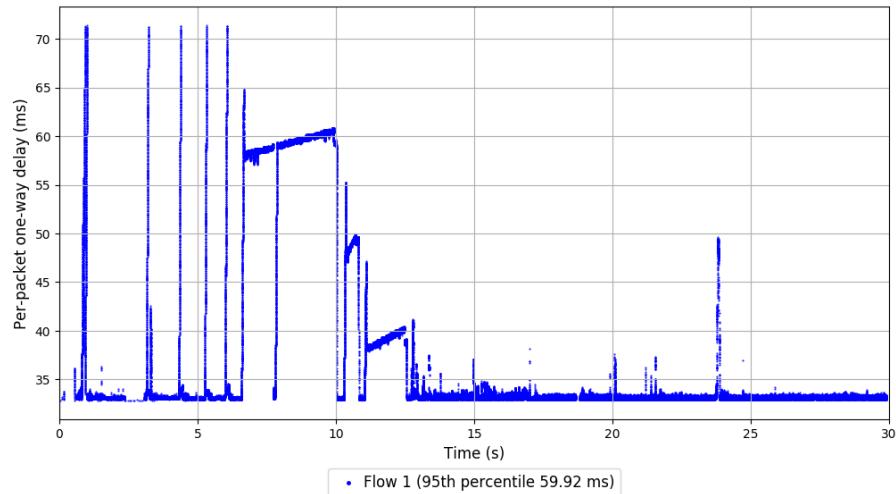
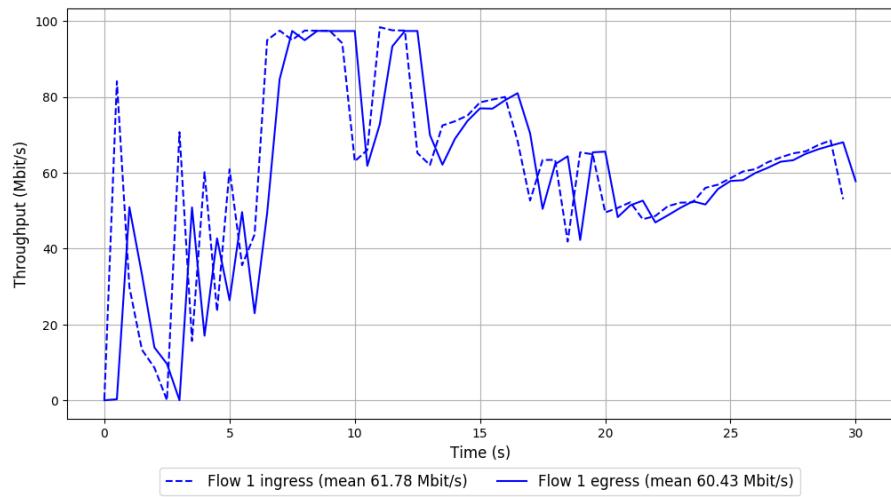


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-01-24 16:19:59
End at: 2019-01-24 16:20:29
Local clock offset: -1.356 ms
Remote clock offset: 0.058 ms

# Below is generated by plot.py at 2019-01-24 16:35:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.43 Mbit/s
95th percentile per-packet one-way delay: 59.921 ms
Loss rate: 2.19%
-- Flow 1:
Average throughput: 60.43 Mbit/s
95th percentile per-packet one-way delay: 59.921 ms
Loss rate: 2.19%
```

Run 5: Report of QUIC Cubic — Data Link

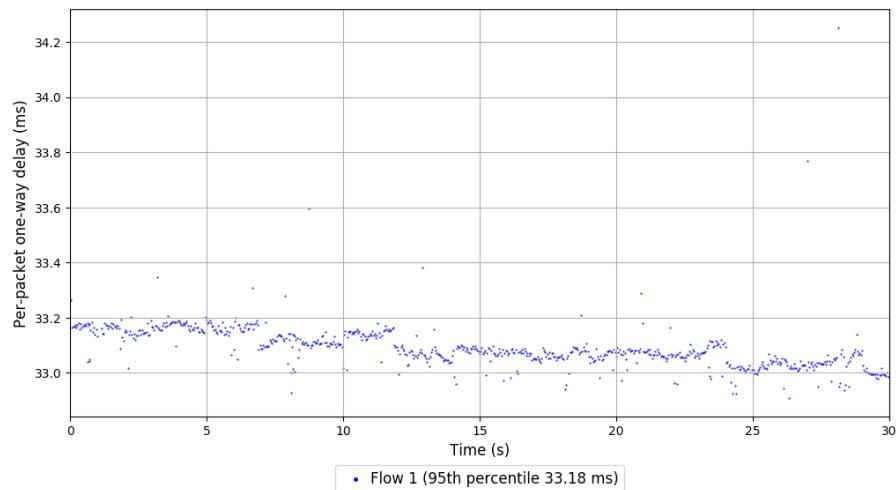
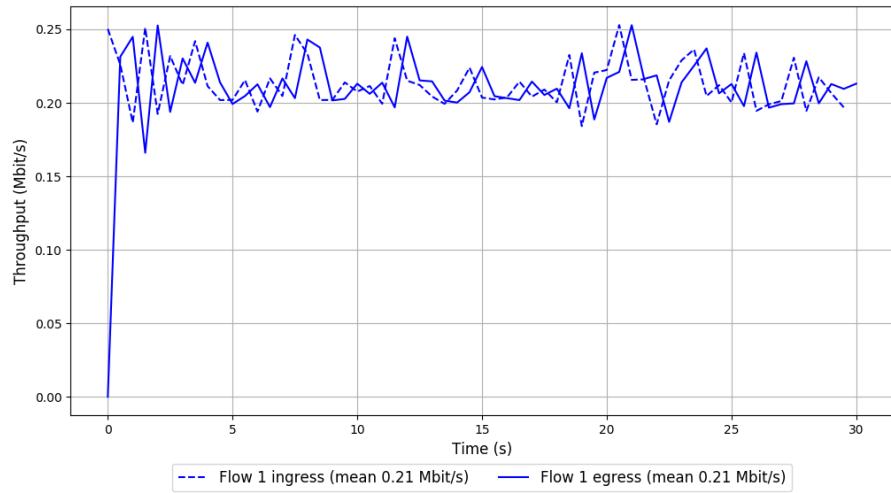


Run 1: Statistics of SCReAM

```
Start at: 2019-01-24 14:22:20
End at: 2019-01-24 14:22:50
Local clock offset: -12.948 ms
Remote clock offset: -0.849 ms

# Below is generated by plot.py at 2019-01-24 16:35:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.182 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.182 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

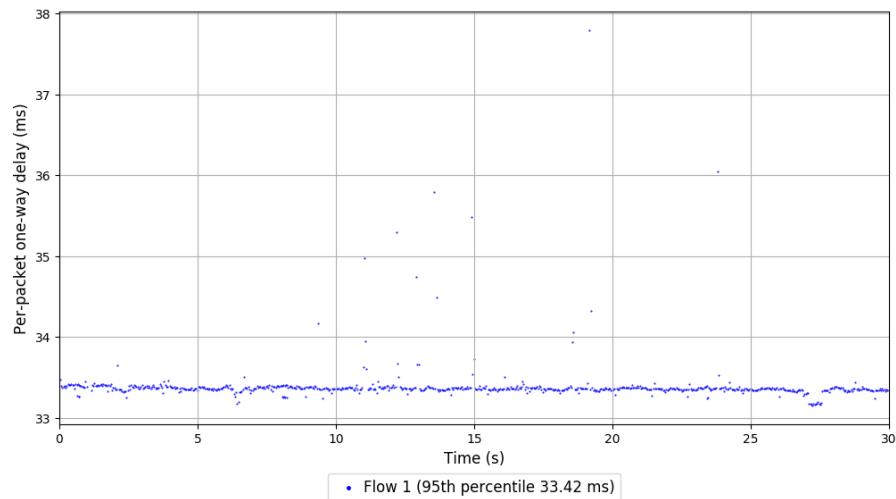
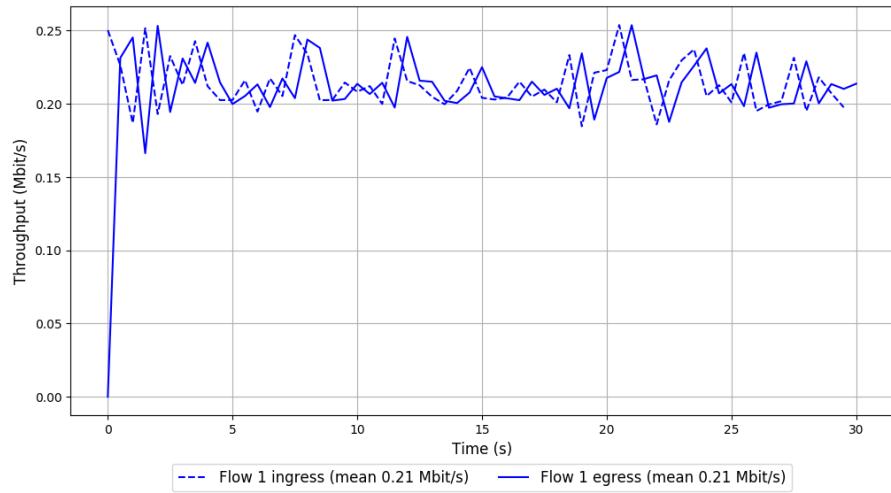


Run 2: Statistics of SCReAM

```
Start at: 2019-01-24 14:47:02
End at: 2019-01-24 14:47:32
Local clock offset: -6.679 ms
Remote clock offset: -0.538 ms

# Below is generated by plot.py at 2019-01-24 16:35:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.419 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.419 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

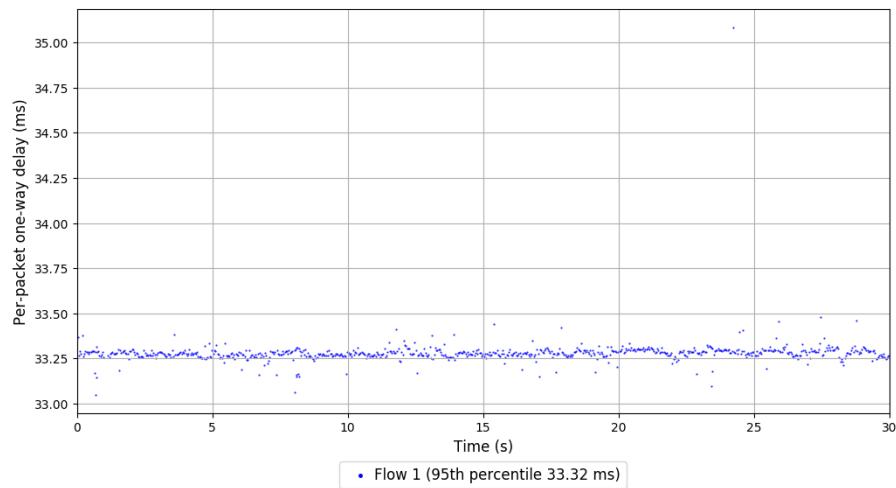
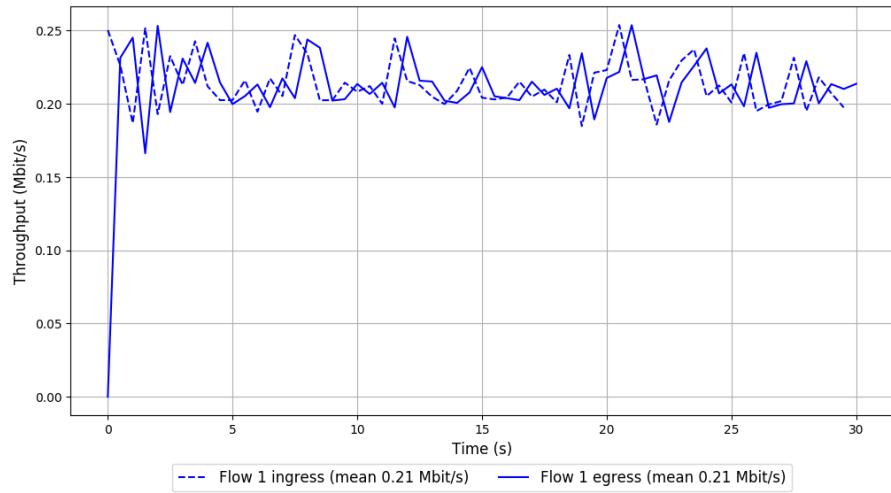


Run 3: Statistics of SCReAM

```
Start at: 2019-01-24 15:12:25
End at: 2019-01-24 15:12:56
Local clock offset: -3.714 ms
Remote clock offset: -0.352 ms

# Below is generated by plot.py at 2019-01-24 16:35:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.317 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.317 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

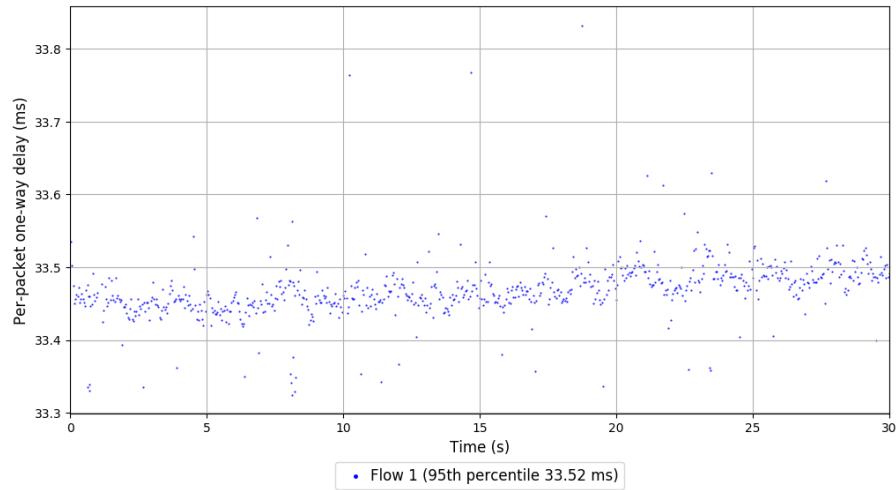
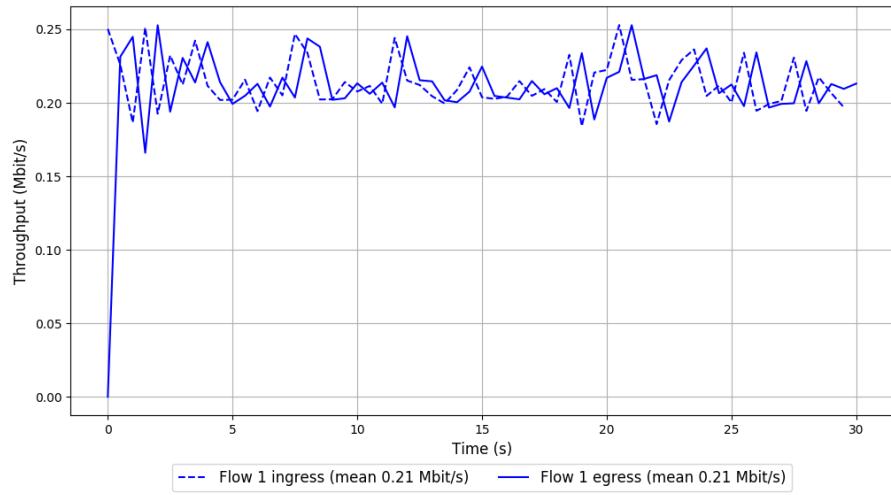


Run 4: Statistics of SCReAM

```
Start at: 2019-01-24 15:37:32
End at: 2019-01-24 15:38:02
Local clock offset: -2.352 ms
Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2019-01-24 16:35:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.518 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.518 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

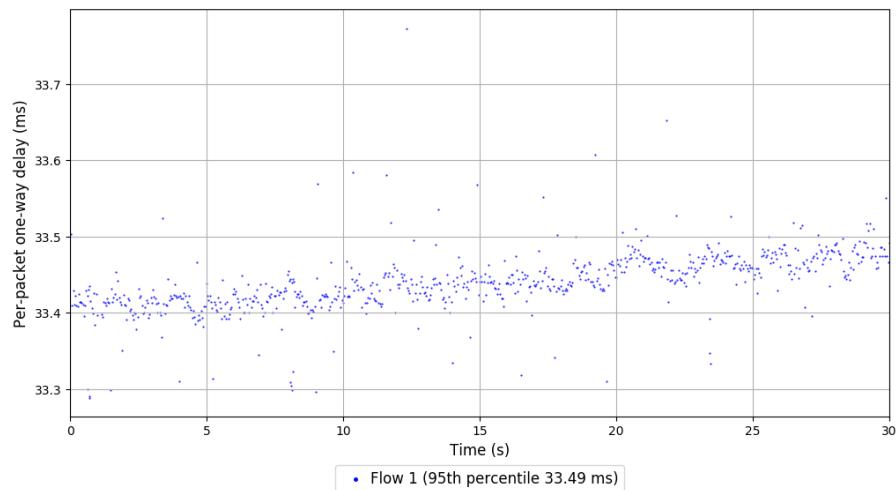
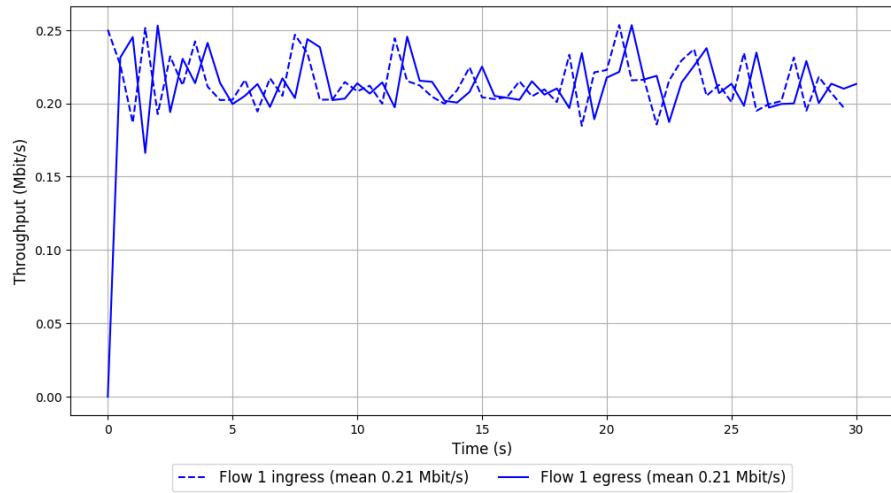


Run 5: Statistics of SCReAM

```
Start at: 2019-01-24 16:02:14
End at: 2019-01-24 16:02:44
Local clock offset: -2.179 ms
Remote clock offset: 0.178 ms

# Below is generated by plot.py at 2019-01-24 16:35:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.490 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 33.490 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

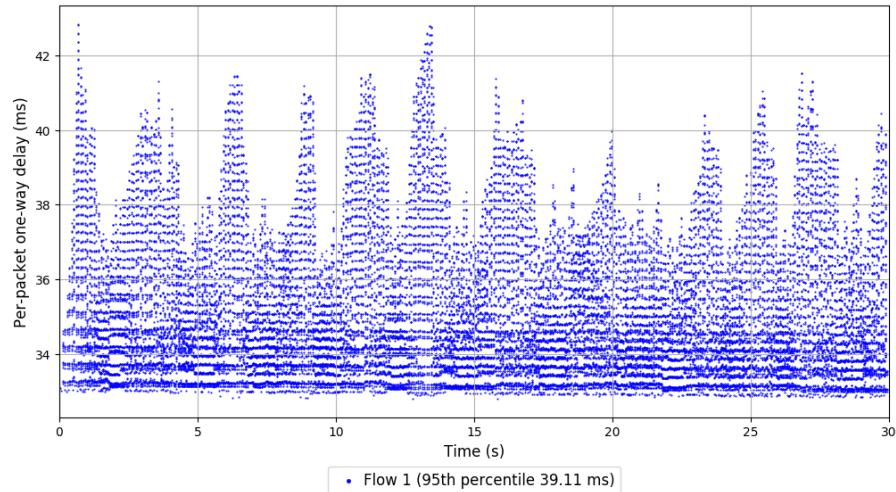
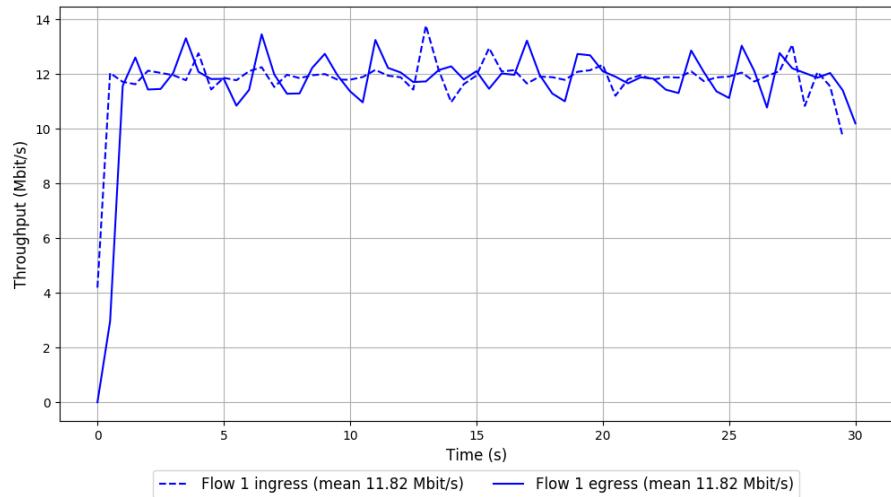


Run 1: Statistics of Sprout

```
Start at: 2019-01-24 14:24:48
End at: 2019-01-24 14:25:18
Local clock offset: -13.658 ms
Remote clock offset: -0.864 ms

# Below is generated by plot.py at 2019-01-24 16:35:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 39.112 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 11.82 Mbit/s
95th percentile per-packet one-way delay: 39.112 ms
Loss rate: 0.04%
```

Run 1: Report of Sprout — Data Link

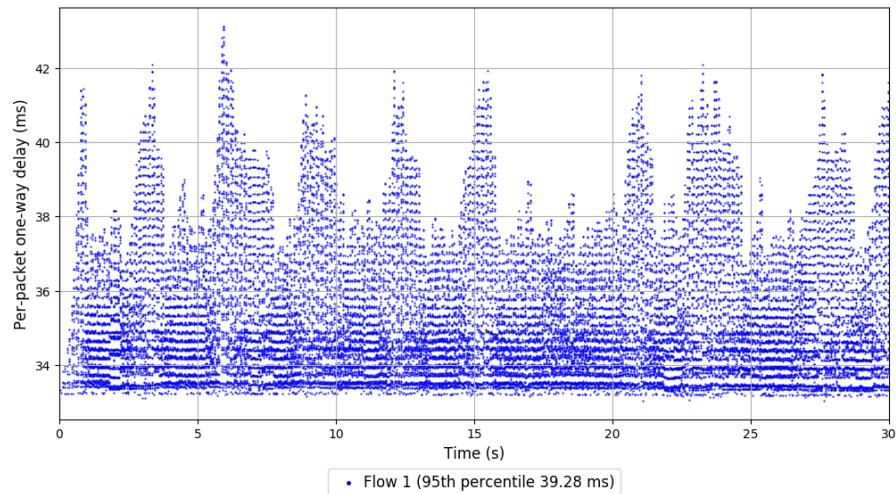
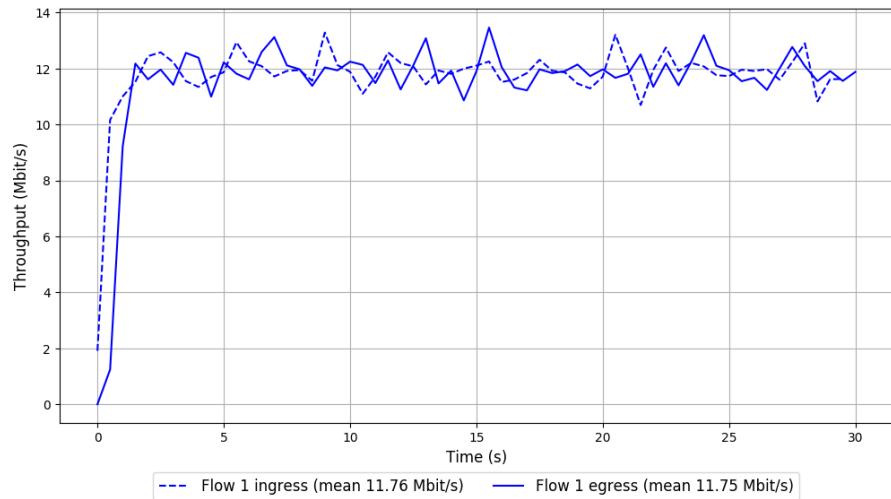


Run 2: Statistics of Sprout

```
Start at: 2019-01-24 14:49:24
End at: 2019-01-24 14:49:54
Local clock offset: -6.842 ms
Remote clock offset: -0.572 ms

# Below is generated by plot.py at 2019-01-24 16:35:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 39.279 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 11.75 Mbit/s
95th percentile per-packet one-way delay: 39.279 ms
Loss rate: 0.05%
```

Run 2: Report of Sprout — Data Link

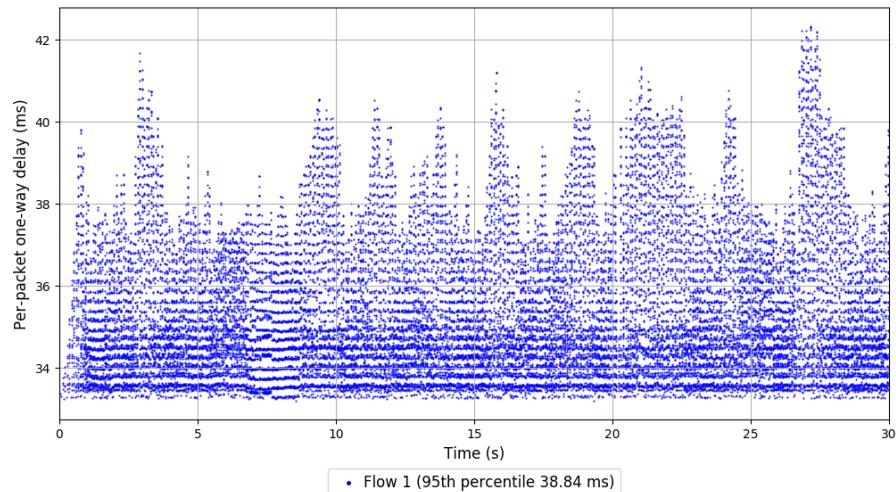
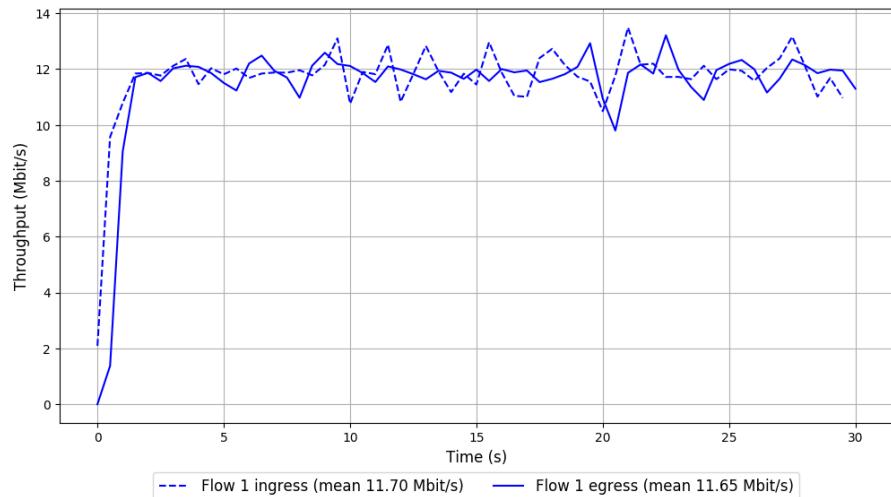


Run 3: Statistics of Sprout

```
Start at: 2019-01-24 15:14:51
End at: 2019-01-24 15:15:21
Local clock offset: -3.547 ms
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2019-01-24 16:35:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 38.837 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 11.65 Mbit/s
95th percentile per-packet one-way delay: 38.837 ms
Loss rate: 0.43%
```

Run 3: Report of Sprout — Data Link

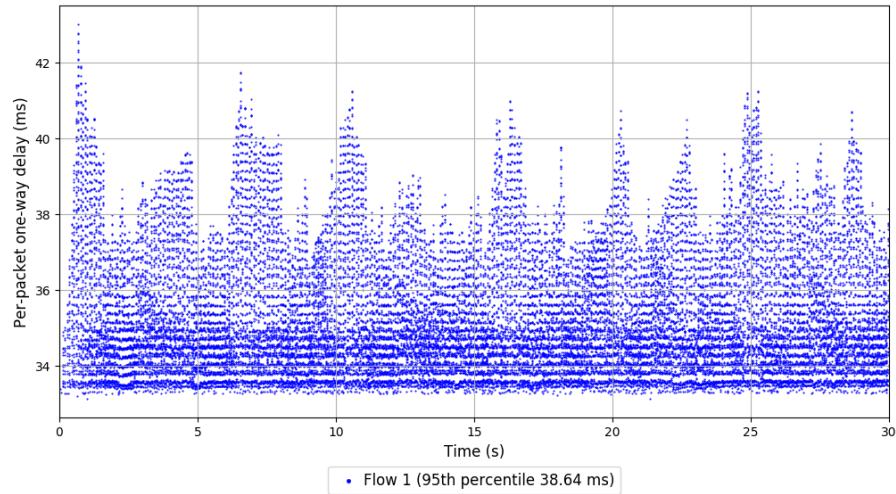
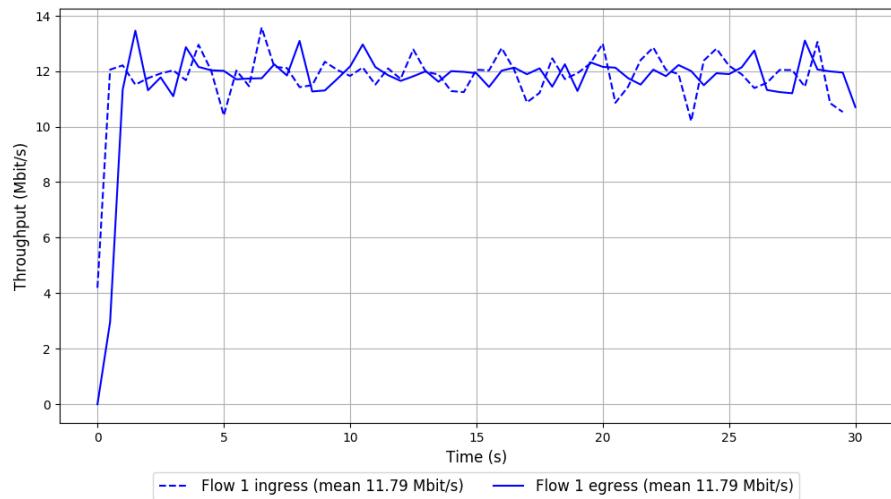


Run 4: Statistics of Sprout

```
Start at: 2019-01-24 15:39:49
End at: 2019-01-24 15:40:19
Local clock offset: -2.128 ms
Remote clock offset: 0.057 ms

# Below is generated by plot.py at 2019-01-24 16:35:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.79 Mbit/s
95th percentile per-packet one-way delay: 38.640 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.79 Mbit/s
95th percentile per-packet one-way delay: 38.640 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

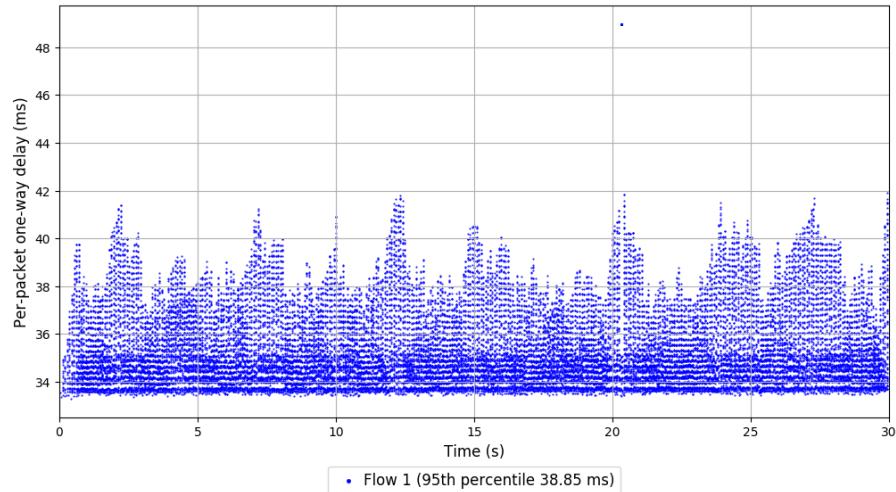
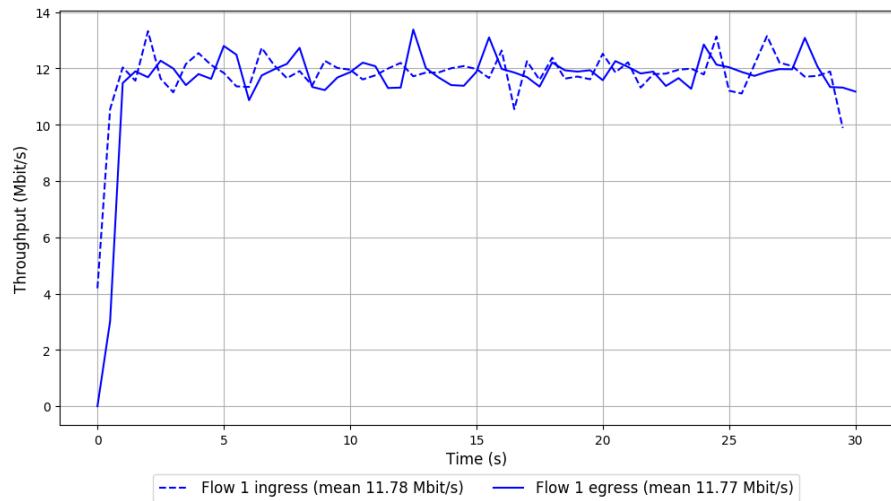


Run 5: Statistics of Sprout

```
Start at: 2019-01-24 16:04:31
End at: 2019-01-24 16:05:02
Local clock offset: -1.839 ms
Remote clock offset: 0.278 ms

# Below is generated by plot.py at 2019-01-24 16:35:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.77 Mbit/s
95th percentile per-packet one-way delay: 38.847 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 11.77 Mbit/s
95th percentile per-packet one-way delay: 38.847 ms
Loss rate: 0.06%
```

Run 5: Report of Sprout — Data Link

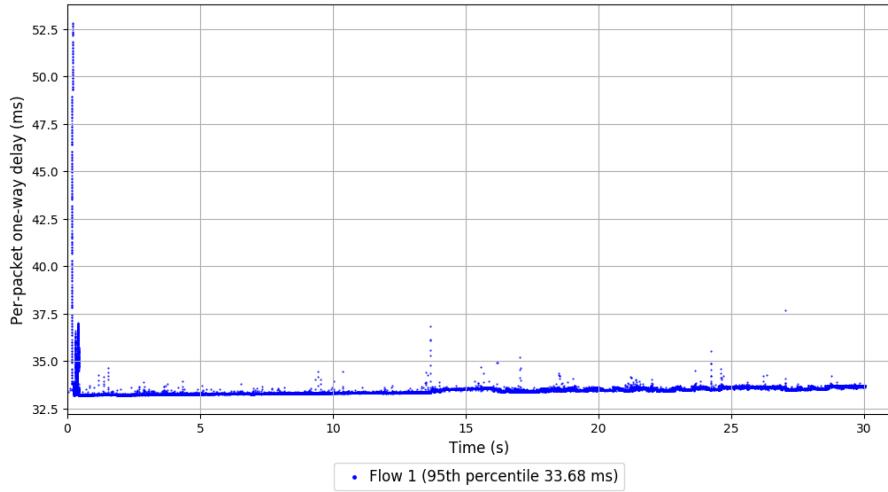
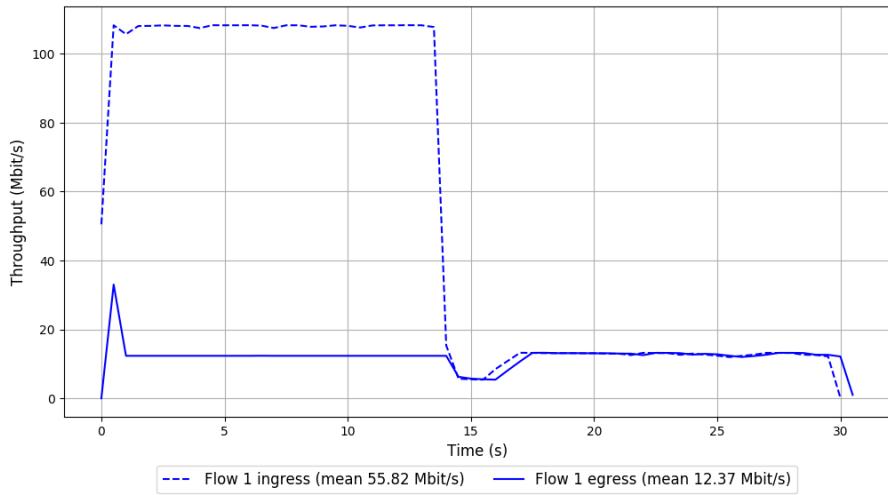


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-01-24 14:35:08
End at: 2019-01-24 14:35:38
Local clock offset: -9.748 ms
Remote clock offset: -0.99 ms

# Below is generated by plot.py at 2019-01-24 16:35:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.37 Mbit/s
95th percentile per-packet one-way delay: 33.683 ms
Loss rate: 77.84%
-- Flow 1:
Average throughput: 12.37 Mbit/s
95th percentile per-packet one-way delay: 33.683 ms
Loss rate: 77.84%
```

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



Run 2: Statistics of TaoVA-100x

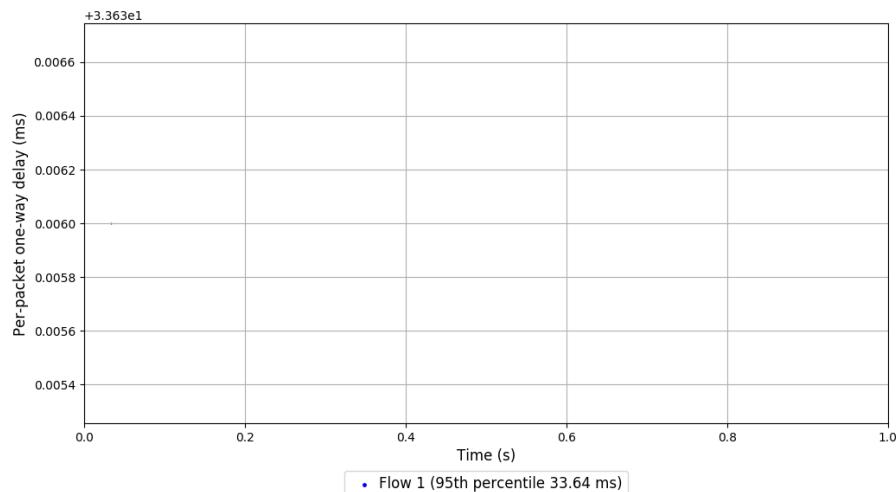
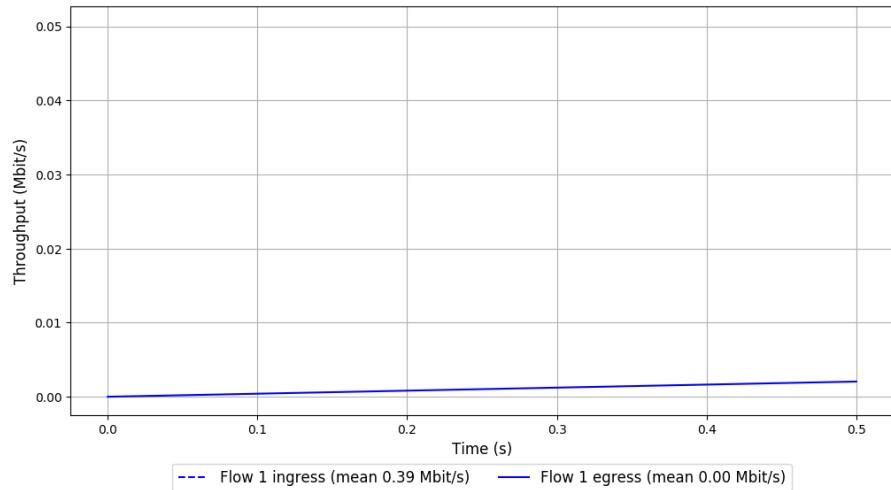
Start at: 2019-01-24 15:00:04

End at: 2019-01-24 15:00:34

Local clock offset: -8.345 ms

Remote clock offset: -0.438 ms

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



Run 3: Statistics of TaoVA-100x

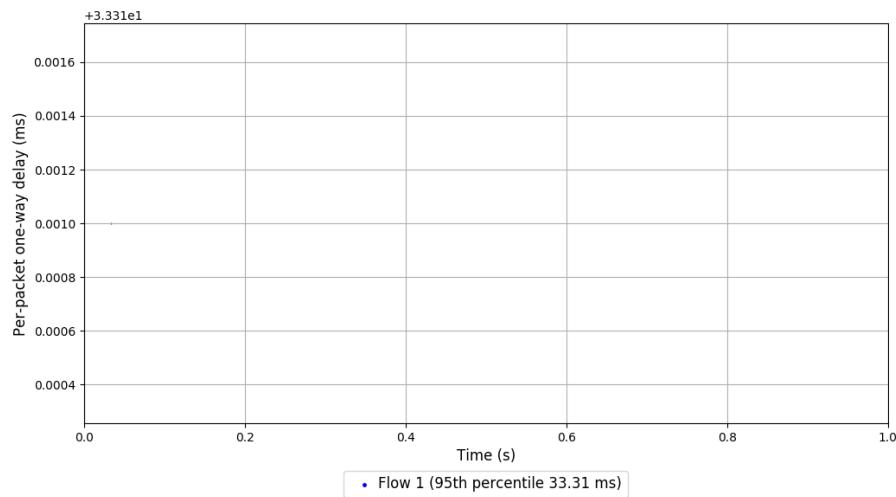
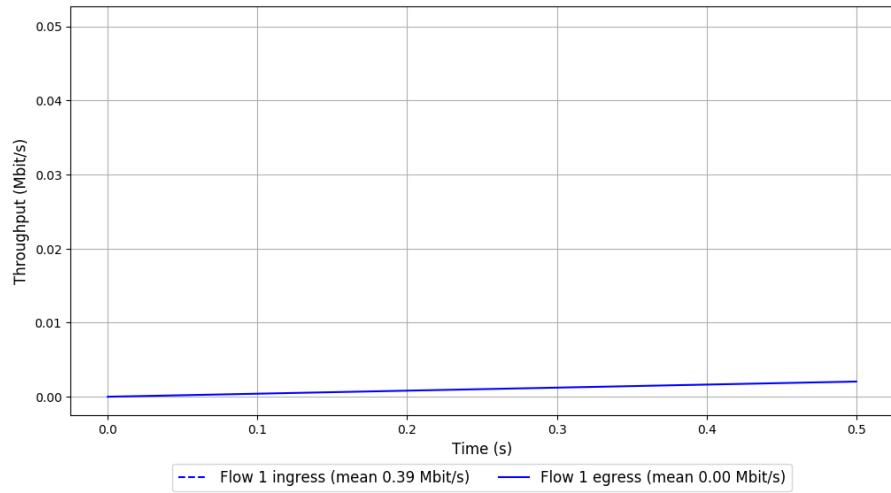
Start at: 2019-01-24 15:25:34

End at: 2019-01-24 15:26:04

Local clock offset: -4.006 ms

Remote clock offset: -0.077 ms

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



Run 4: Statistics of TaoVA-100x

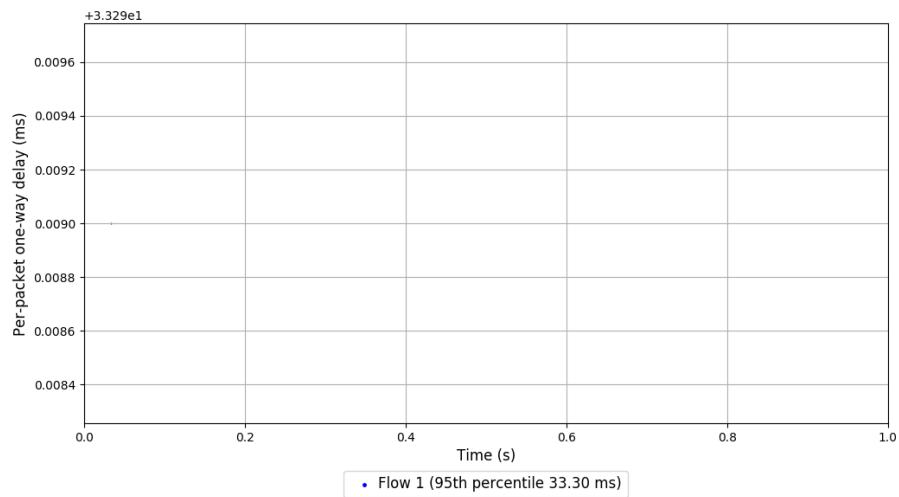
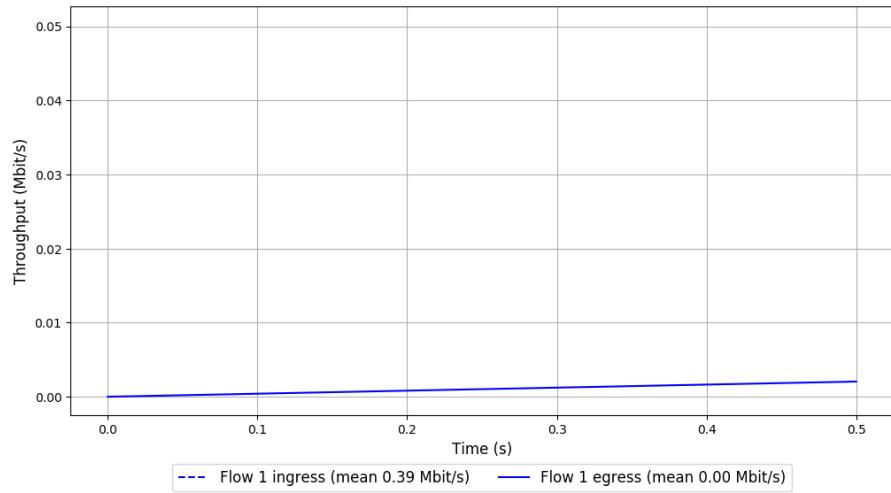
Start at: 2019-01-24 15:50:35

End at: 2019-01-24 15:51:05

Local clock offset: -2.071 ms

Remote clock offset: 0.134 ms

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

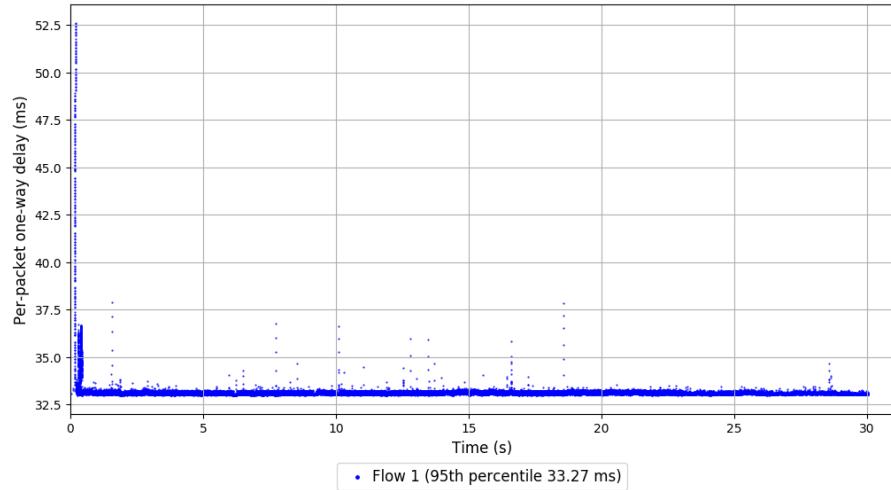
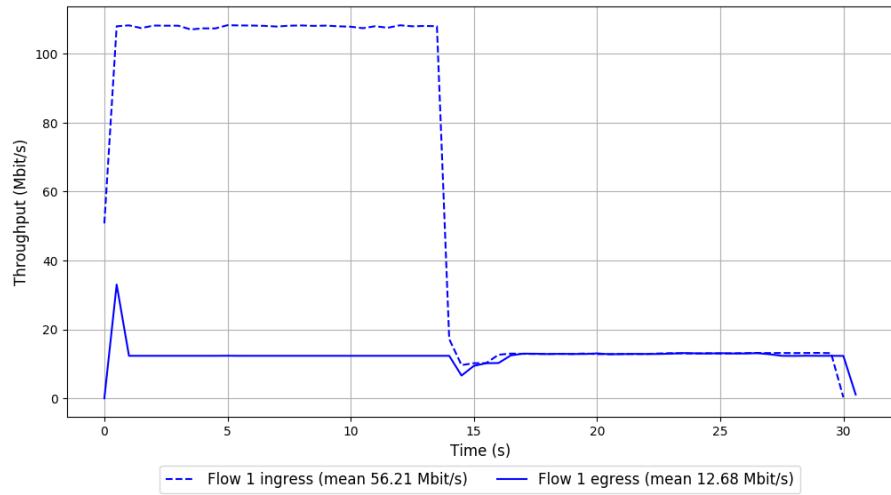


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-01-24 16:15:06
End at: 2019-01-24 16:15:36
Local clock offset: -1.291 ms
Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2019-01-24 16:35:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 33.268 ms
Loss rate: 77.44%
-- Flow 1:
Average throughput: 12.68 Mbit/s
95th percentile per-packet one-way delay: 33.268 ms
Loss rate: 77.44%
```

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

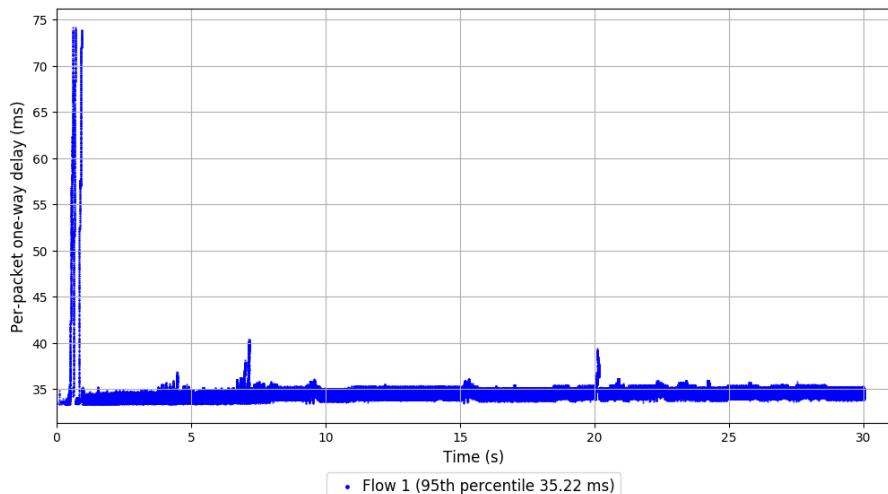
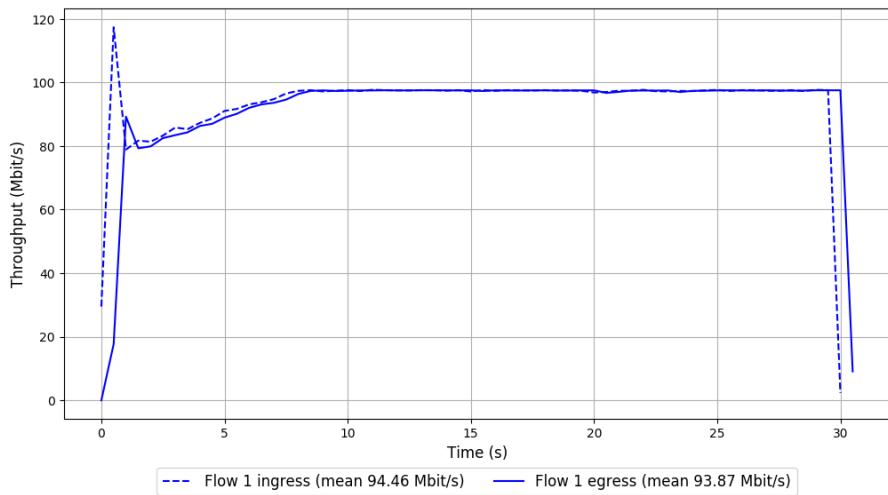


Run 1: Statistics of TCP Vegas

```
Start at: 2019-01-24 14:36:15
End at: 2019-01-24 14:36:45
Local clock offset: -9.069 ms
Remote clock offset: -0.774 ms

# Below is generated by plot.py at 2019-01-24 16:36:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 35.215 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 93.87 Mbit/s
95th percentile per-packet one-way delay: 35.215 ms
Loss rate: 0.62%
```

Run 1: Report of TCP Vegas — Data Link

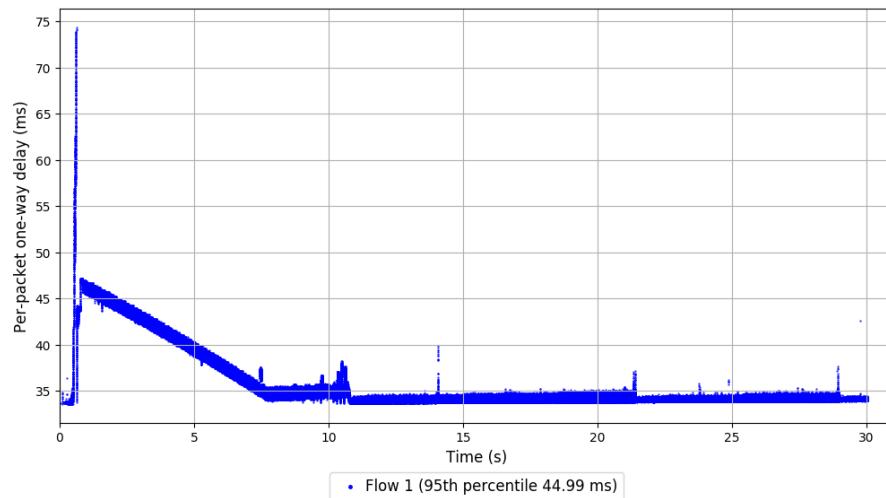
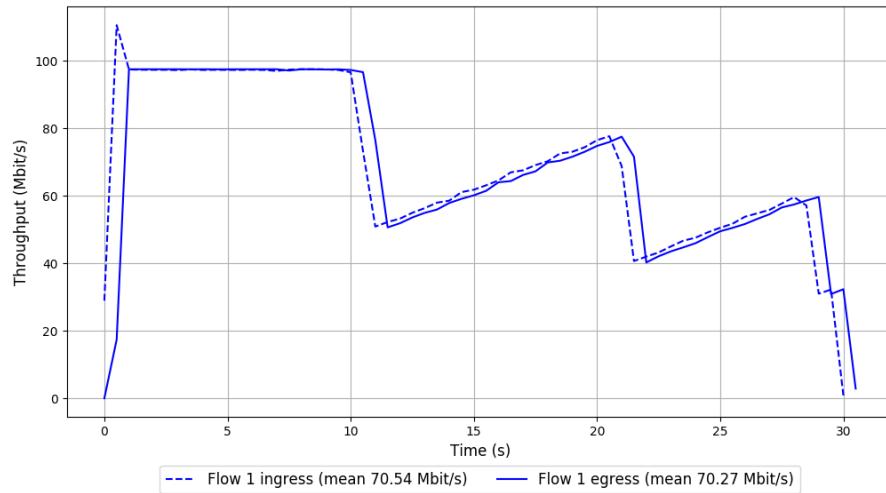


Run 2: Statistics of TCP Vegas

```
Start at: 2019-01-24 15:01:10
End at: 2019-01-24 15:01:40
Local clock offset: -7.614 ms
Remote clock offset: -0.396 ms

# Below is generated by plot.py at 2019-01-24 16:36:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.27 Mbit/s
95th percentile per-packet one-way delay: 44.993 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 70.27 Mbit/s
95th percentile per-packet one-way delay: 44.993 ms
Loss rate: 0.38%
```

Run 2: Report of TCP Vegas — Data Link

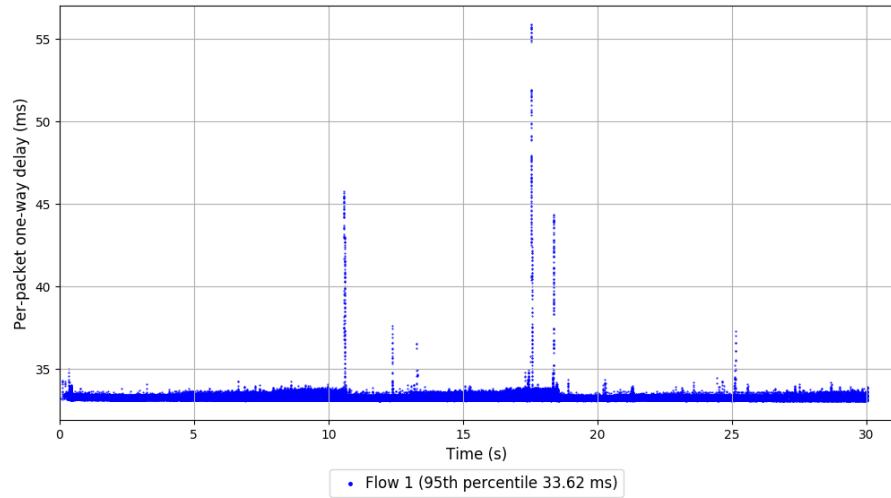
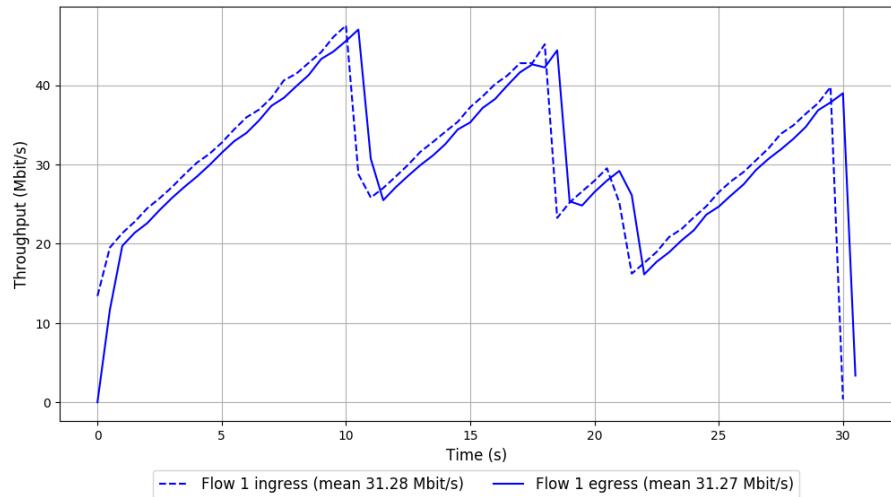


Run 3: Statistics of TCP Vegas

```
Start at: 2019-01-24 15:26:40
End at: 2019-01-24 15:27:10
Local clock offset: -4.118 ms
Remote clock offset: -0.099 ms

# Below is generated by plot.py at 2019-01-24 16:36:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 33.620 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 31.27 Mbit/s
95th percentile per-packet one-way delay: 33.620 ms
Loss rate: 0.04%
```

Run 3: Report of TCP Vegas — Data Link

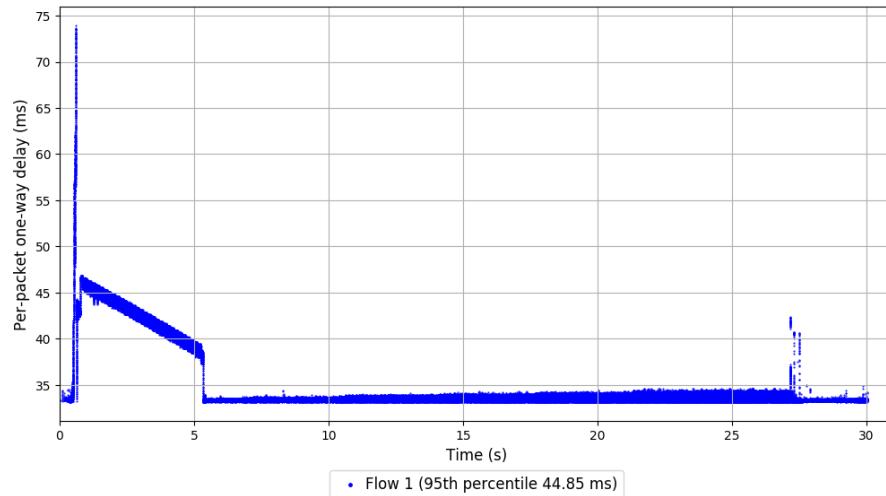
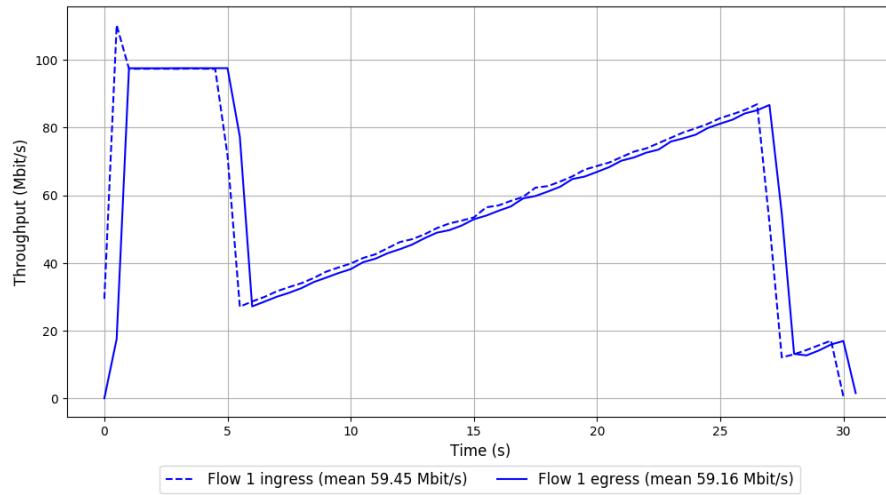


Run 4: Statistics of TCP Vegas

```
Start at: 2019-01-24 15:51:41
End at: 2019-01-24 15:52:11
Local clock offset: -2.143 ms
Remote clock offset: 0.157 ms

# Below is generated by plot.py at 2019-01-24 16:36:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.16 Mbit/s
95th percentile per-packet one-way delay: 44.846 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 59.16 Mbit/s
95th percentile per-packet one-way delay: 44.846 ms
Loss rate: 0.49%
```

Run 4: Report of TCP Vegas — Data Link

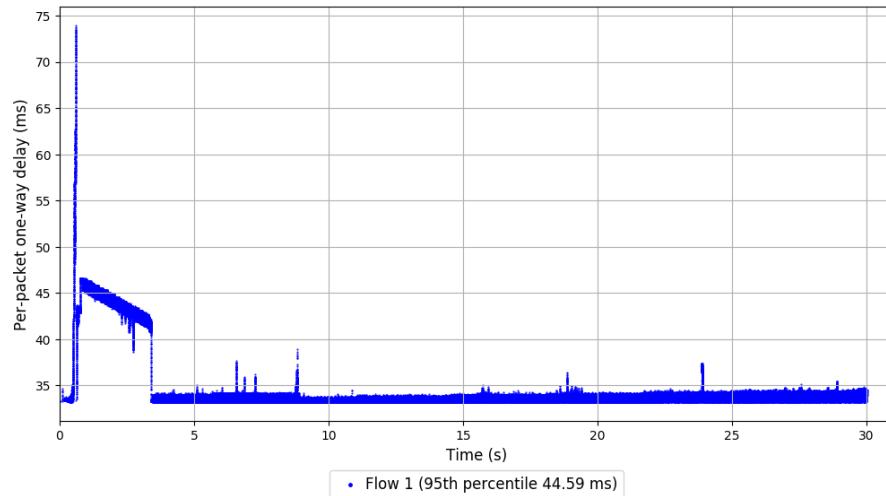
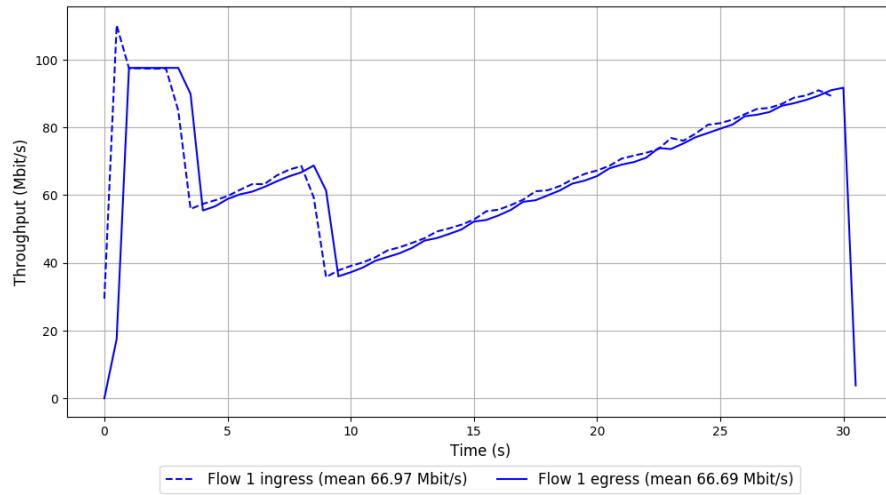


Run 5: Statistics of TCP Vegas

```
Start at: 2019-01-24 16:16:14
End at: 2019-01-24 16:16:44
Local clock offset: -1.294 ms
Remote clock offset: 0.226 ms

# Below is generated by plot.py at 2019-01-24 16:36:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.69 Mbit/s
95th percentile per-packet one-way delay: 44.586 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 66.69 Mbit/s
95th percentile per-packet one-way delay: 44.586 ms
Loss rate: 0.40%
```

Run 5: Report of TCP Vegas — Data Link

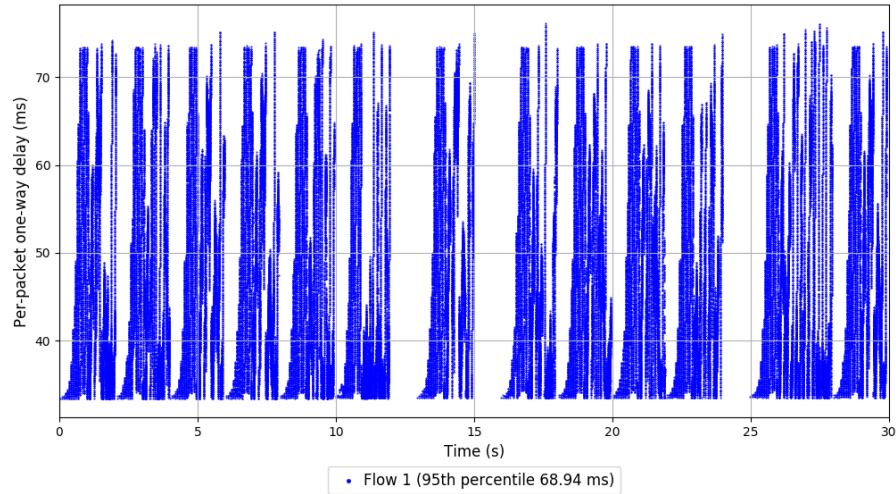
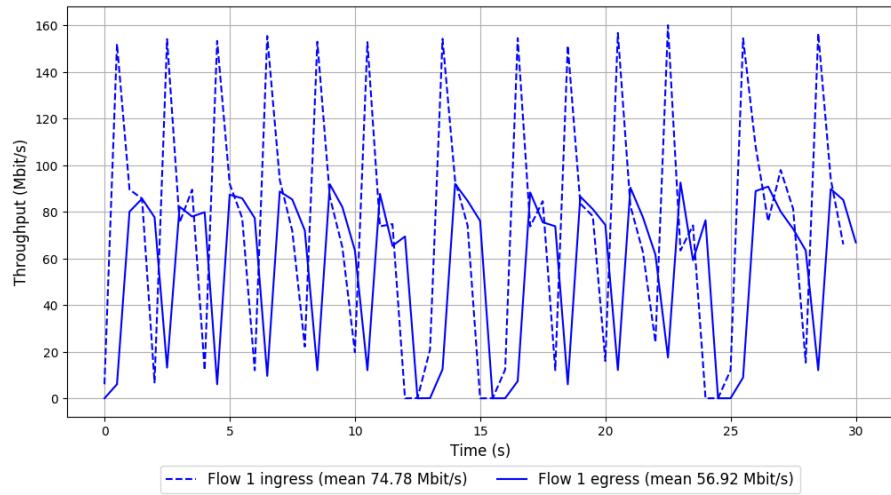


Run 1: Statistics of Verus

```
Start at: 2019-01-24 14:38:37
End at: 2019-01-24 14:39:07
Local clock offset: -7.906 ms
Remote clock offset: -0.714 ms

# Below is generated by plot.py at 2019-01-24 16:36:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 68.935 ms
Loss rate: 23.85%
-- Flow 1:
Average throughput: 56.92 Mbit/s
95th percentile per-packet one-way delay: 68.935 ms
Loss rate: 23.85%
```

Run 1: Report of Verus — Data Link

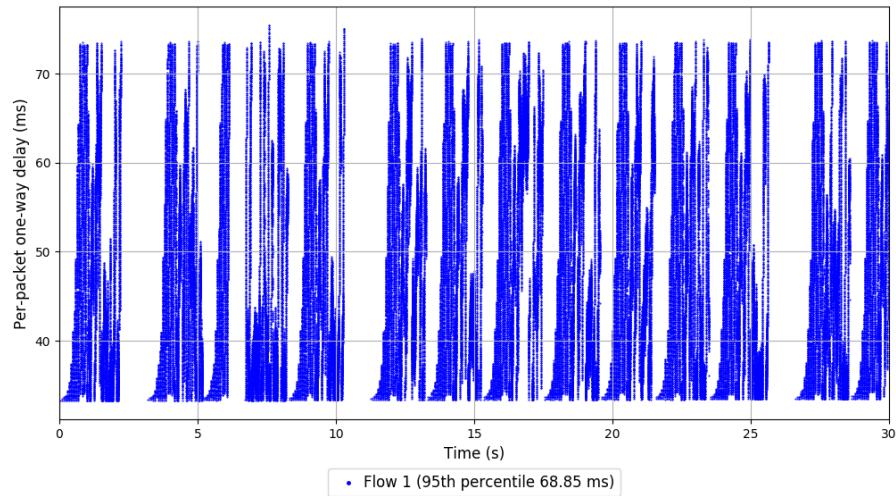
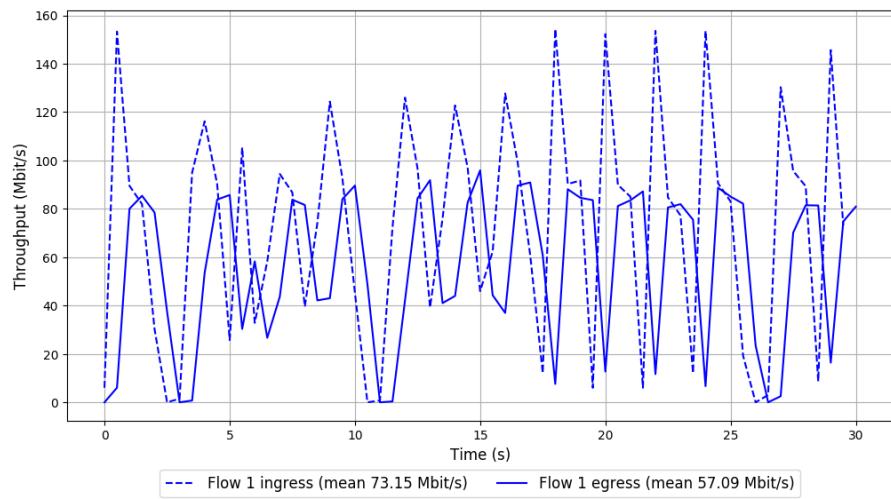


Run 2: Statistics of Verus

```
Start at: 2019-01-24 15:03:38
End at: 2019-01-24 15:04:08
Local clock offset: -6.076 ms
Remote clock offset: -0.511 ms

# Below is generated by plot.py at 2019-01-24 16:36:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.09 Mbit/s
95th percentile per-packet one-way delay: 68.852 ms
Loss rate: 21.88%
-- Flow 1:
Average throughput: 57.09 Mbit/s
95th percentile per-packet one-way delay: 68.852 ms
Loss rate: 21.88%
```

Run 2: Report of Verus — Data Link

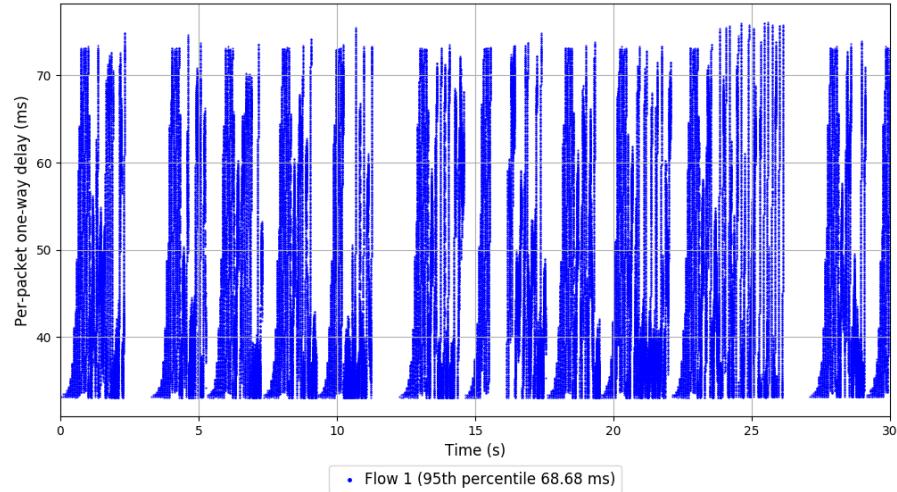
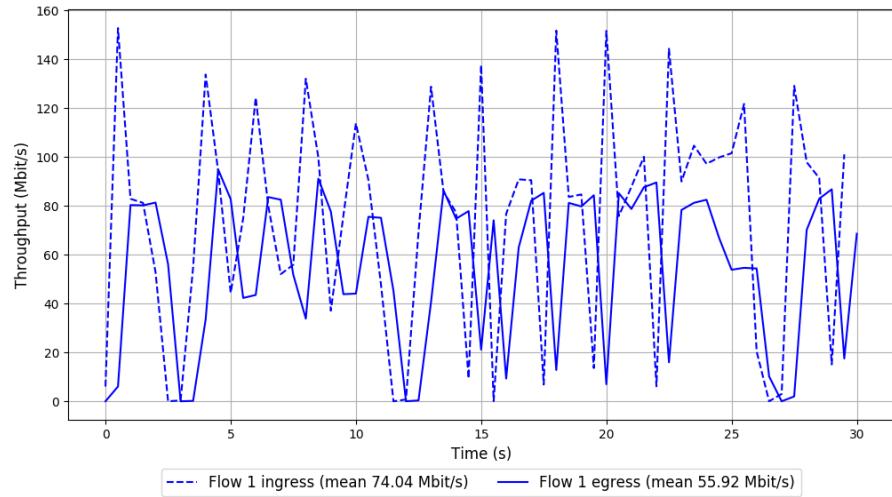


Run 3: Statistics of Verus

```
Start at: 2019-01-24 15:29:12
End at: 2019-01-24 15:29:42
Local clock offset: -4.379 ms
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2019-01-24 16:36:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 68.681 ms
Loss rate: 24.39%
-- Flow 1:
Average throughput: 55.92 Mbit/s
95th percentile per-packet one-way delay: 68.681 ms
Loss rate: 24.39%
```

Run 3: Report of Verus — Data Link

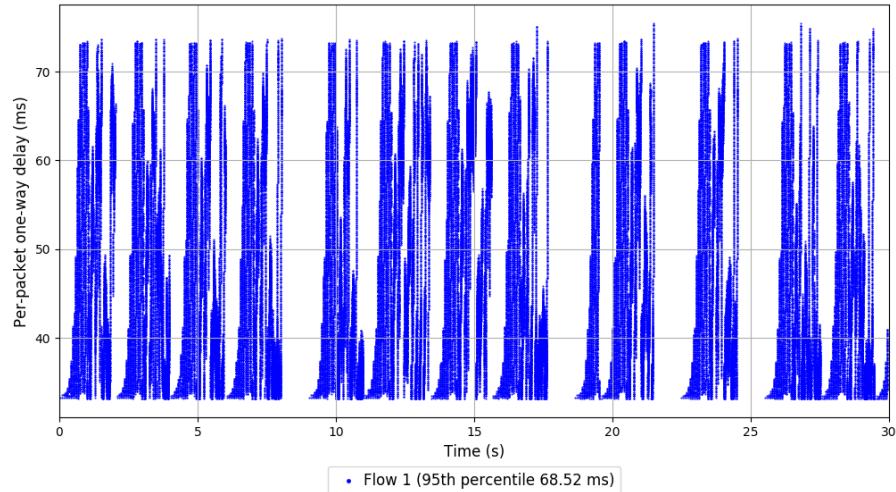
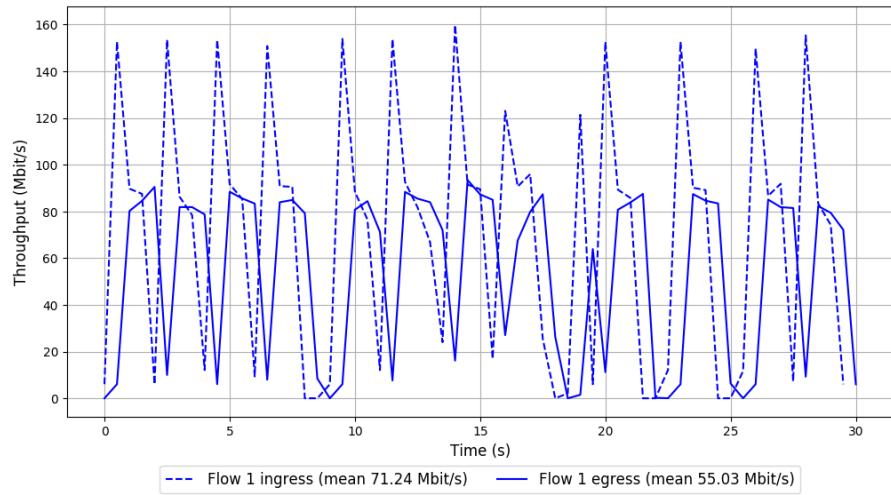


Run 4: Statistics of Verus

```
Start at: 2019-01-24 15:54:04
End at: 2019-01-24 15:54:34
Local clock offset: -2.272 ms
Remote clock offset: 0.164 ms

# Below is generated by plot.py at 2019-01-24 16:36:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.03 Mbit/s
95th percentile per-packet one-way delay: 68.519 ms
Loss rate: 22.74%
-- Flow 1:
Average throughput: 55.03 Mbit/s
95th percentile per-packet one-way delay: 68.519 ms
Loss rate: 22.74%
```

Run 4: Report of Verus — Data Link

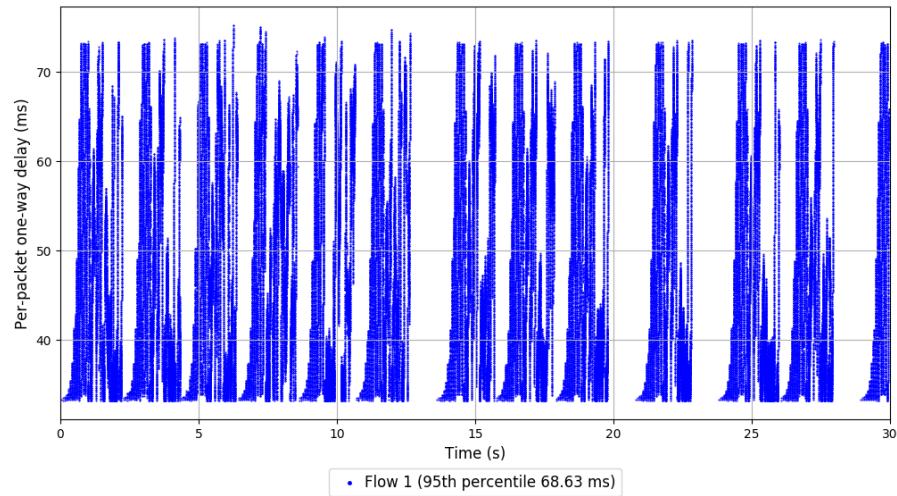
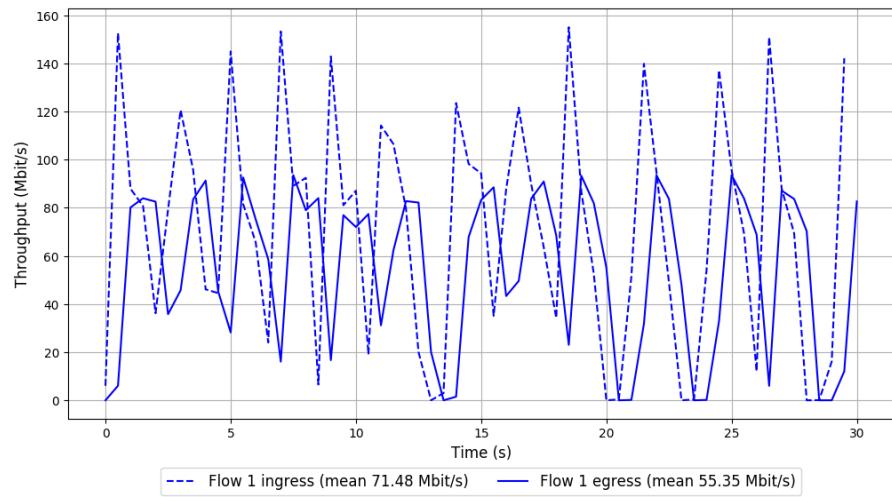


Run 5: Statistics of Verus

```
Start at: 2019-01-24 16:18:45
End at: 2019-01-24 16:19:15
Local clock offset: -1.338 ms
Remote clock offset: 0.211 ms

# Below is generated by plot.py at 2019-01-24 16:36:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.35 Mbit/s
95th percentile per-packet one-way delay: 68.633 ms
Loss rate: 22.51%
-- Flow 1:
Average throughput: 55.35 Mbit/s
95th percentile per-packet one-way delay: 68.633 ms
Loss rate: 22.51%
```

Run 5: Report of Verus — Data Link

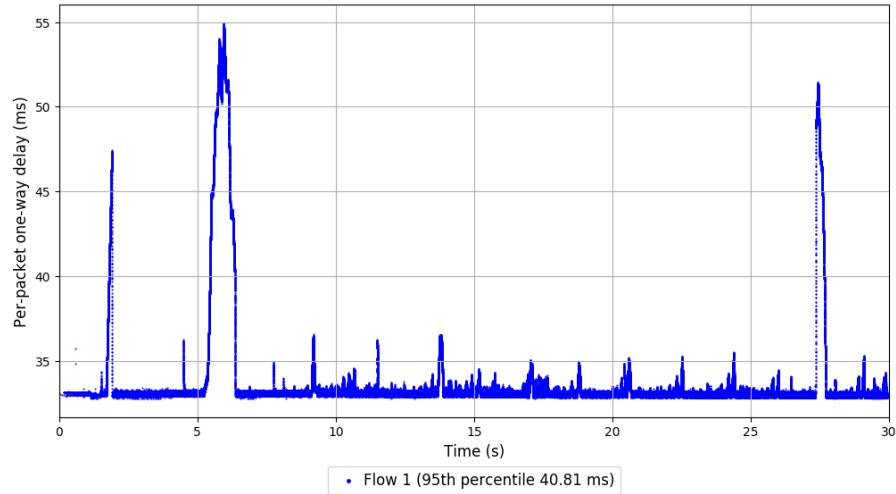
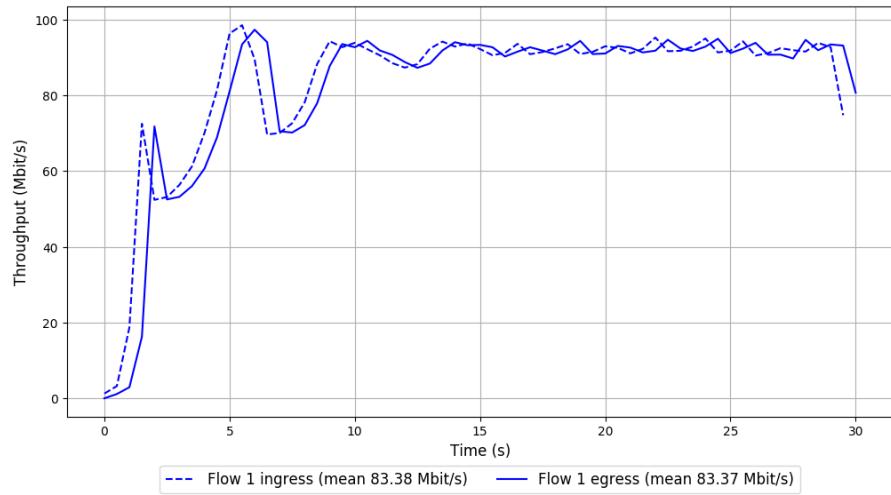


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-01-24 14:23:26
End at: 2019-01-24 14:23:56
Local clock offset: -13.276 ms
Remote clock offset: -1.07 ms

# Below is generated by plot.py at 2019-01-24 16:36:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.37 Mbit/s
95th percentile per-packet one-way delay: 40.806 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 83.37 Mbit/s
95th percentile per-packet one-way delay: 40.806 ms
Loss rate: 0.01%
```

Run 1: Report of PCC-Vivace — Data Link

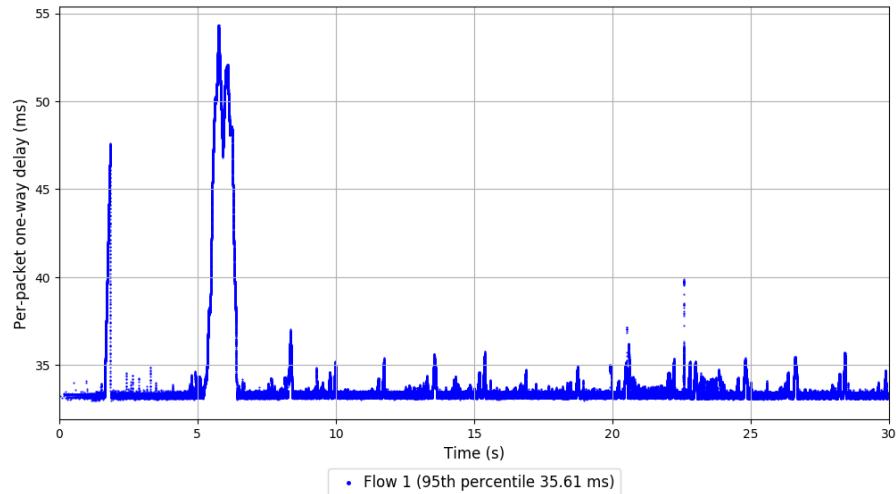
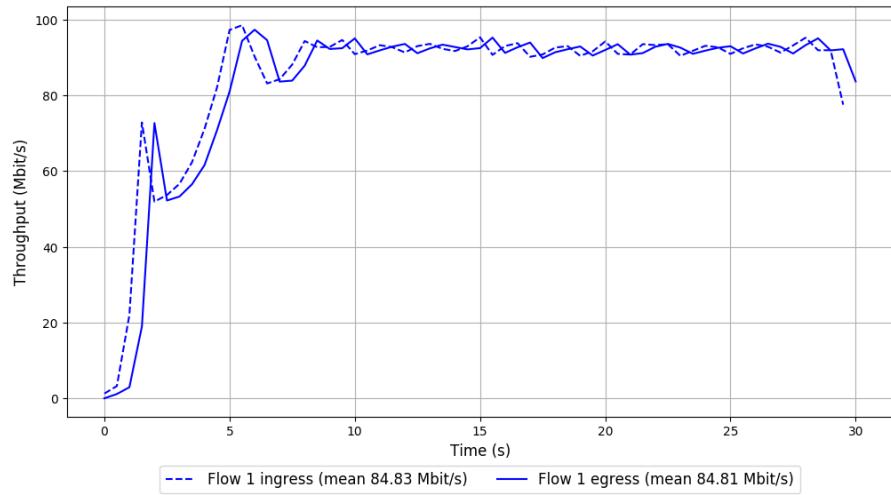


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-01-24 14:48:08
End at: 2019-01-24 14:48:38
Local clock offset: -6.698 ms
Remote clock offset: -0.555 ms

# Below is generated by plot.py at 2019-01-24 16:36:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.81 Mbit/s
95th percentile per-packet one-way delay: 35.607 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 84.81 Mbit/s
95th percentile per-packet one-way delay: 35.607 ms
Loss rate: 0.02%
```

Run 2: Report of PCC-Vivace — Data Link

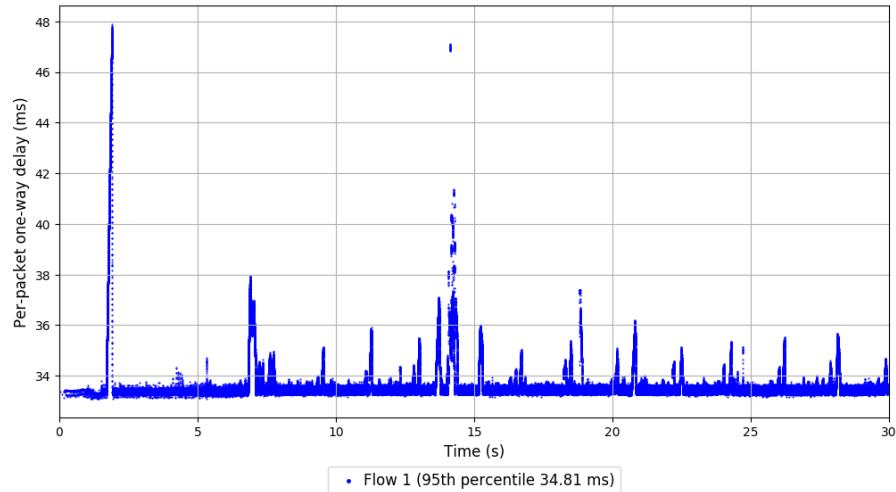
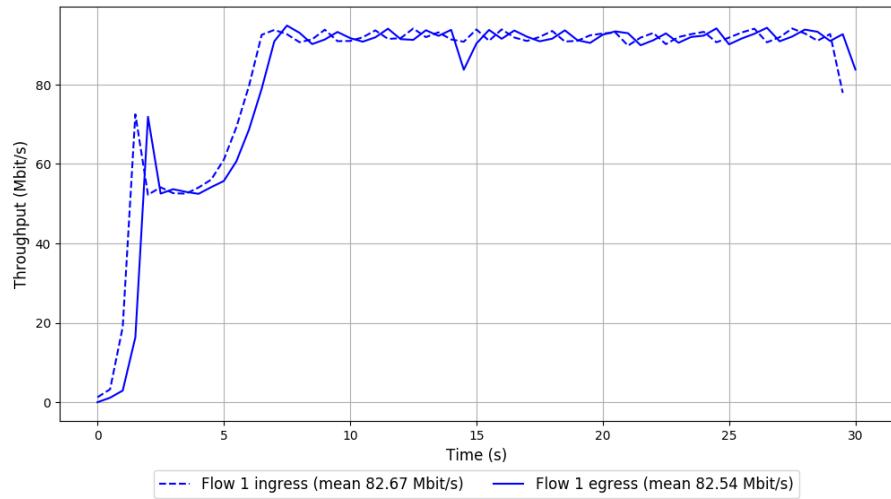


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-01-24 15:13:31
End at: 2019-01-24 15:14:01
Local clock offset: -3.604 ms
Remote clock offset: -0.161 ms

# Below is generated by plot.py at 2019-01-24 16:36:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.54 Mbit/s
95th percentile per-packet one-way delay: 34.808 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 82.54 Mbit/s
95th percentile per-packet one-way delay: 34.808 ms
Loss rate: 0.16%
```

Run 3: Report of PCC-Vivace — Data Link

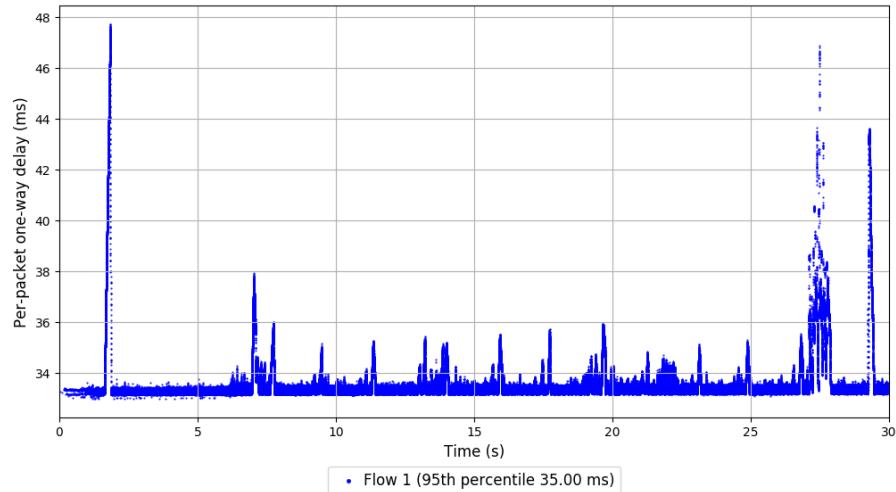
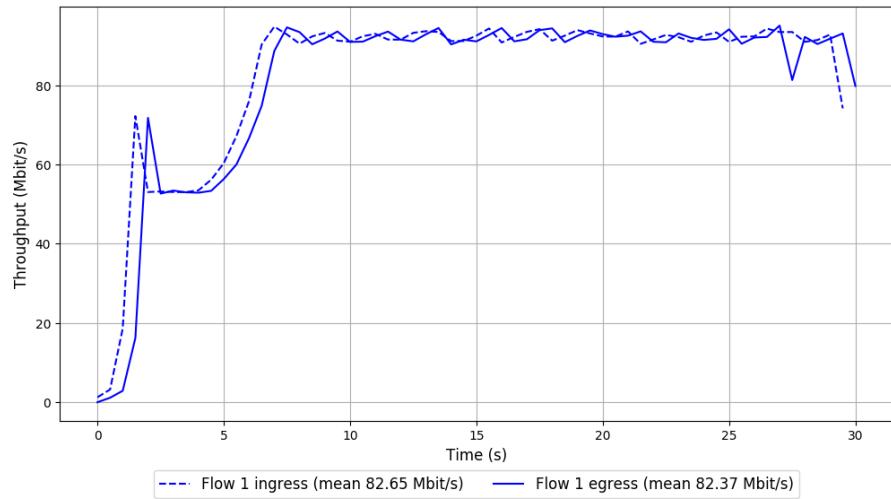


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-01-24 15:38:38
End at: 2019-01-24 15:39:08
Local clock offset: -2.245 ms
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2019-01-24 16:37:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.37 Mbit/s
95th percentile per-packet one-way delay: 35.004 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 82.37 Mbit/s
95th percentile per-packet one-way delay: 35.004 ms
Loss rate: 0.34%
```

Run 4: Report of PCC-Vivace — Data Link

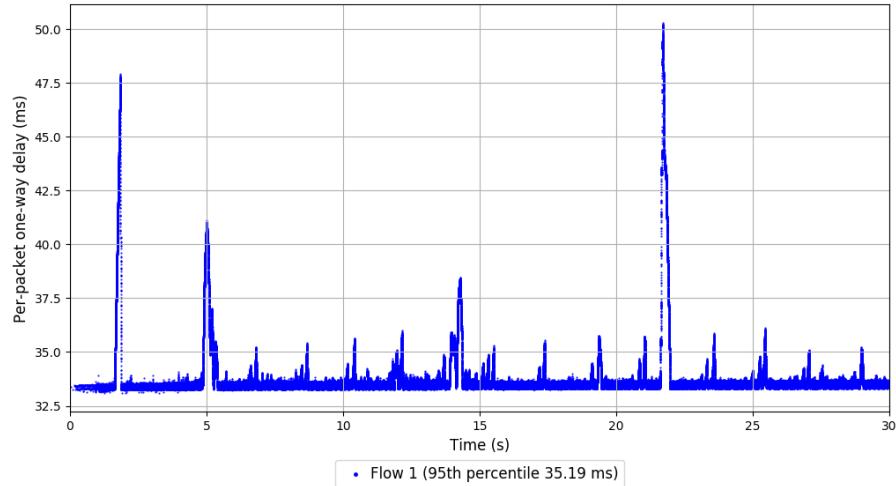
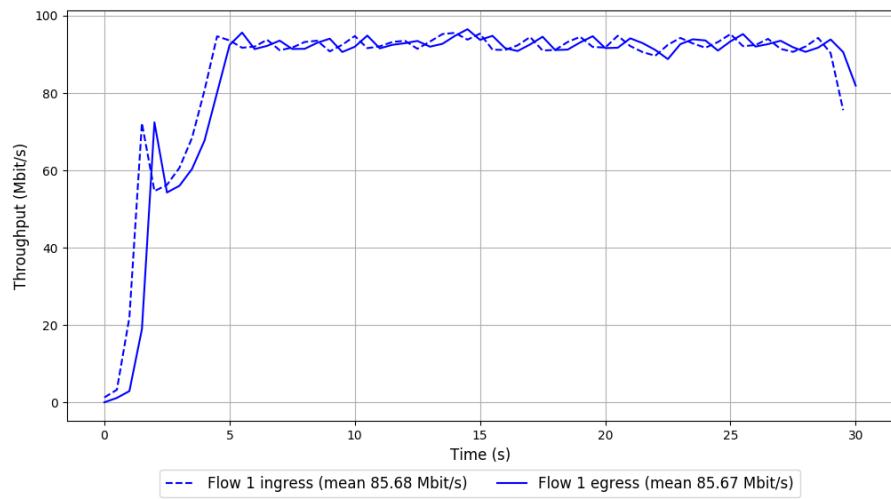


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-01-24 16:03:20
End at: 2019-01-24 16:03:50
Local clock offset: -1.98 ms
Remote clock offset: 0.183 ms

# Below is generated by plot.py at 2019-01-24 16:37:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.67 Mbit/s
95th percentile per-packet one-way delay: 35.194 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 85.67 Mbit/s
95th percentile per-packet one-way delay: 35.194 ms
Loss rate: 0.01%
```

Run 5: Report of PCC-Vivace — Data Link

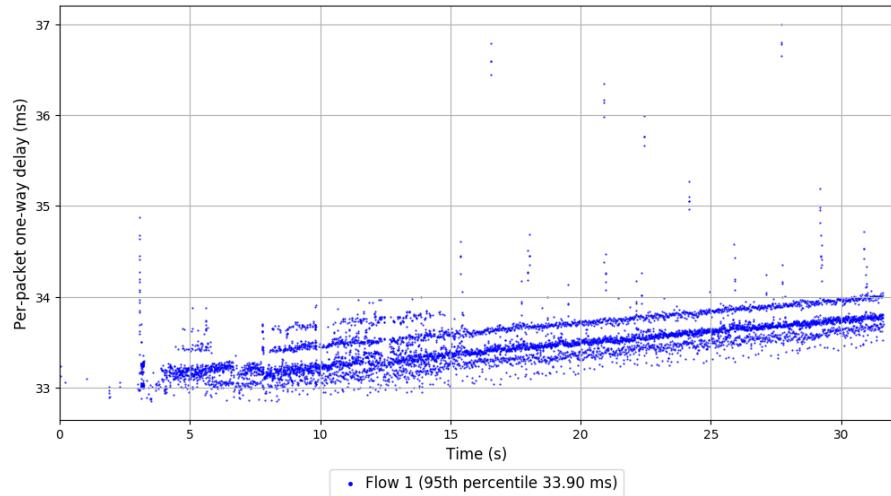
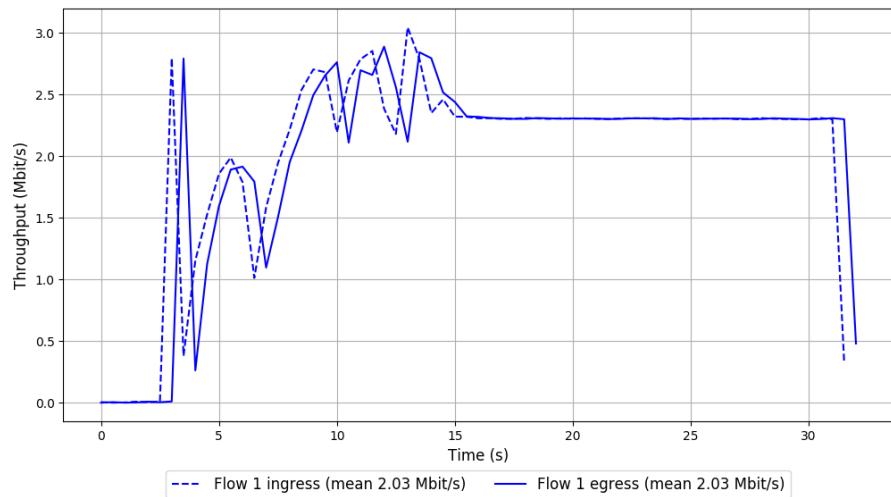


```
Run 1: Statistics of WebRTC media

Start at: 2019-01-24 14:29:24
End at: 2019-01-24 14:29:54
Local clock offset: -15.303 ms
Remote clock offset: -0.777 ms

# Below is generated by plot.py at 2019-01-24 16:37:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 33.901 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 33.901 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

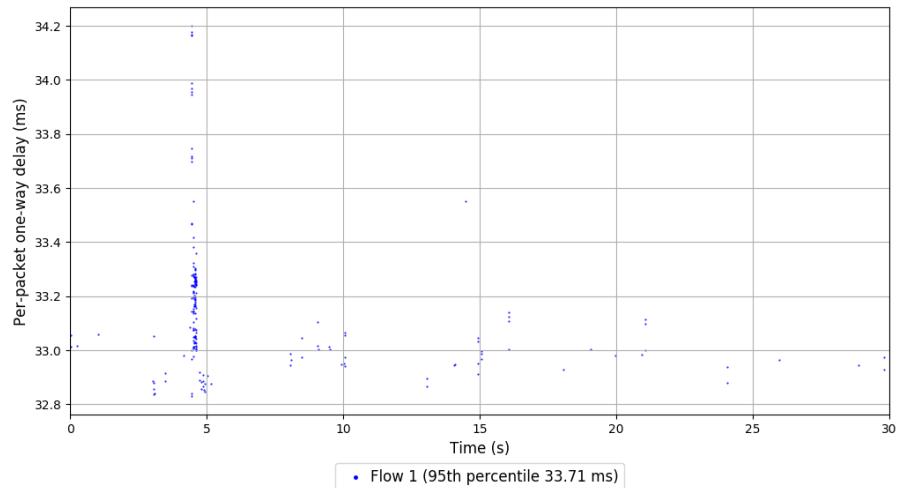
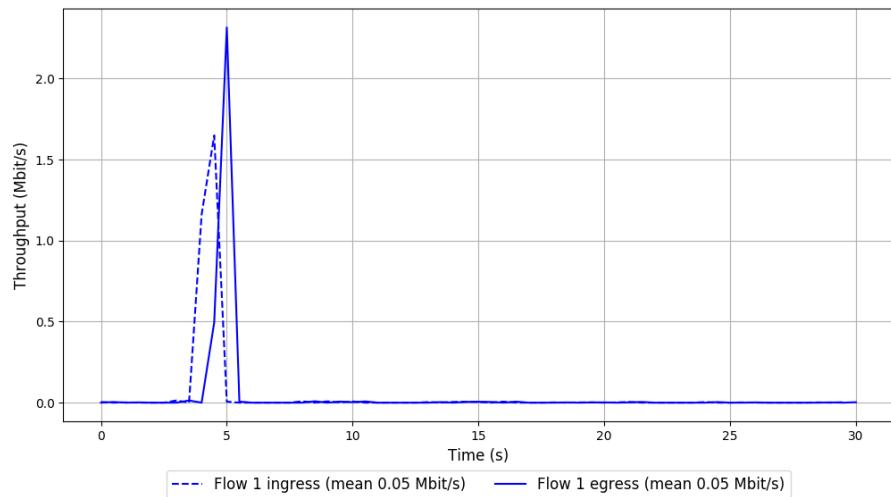


Run 2: Statistics of WebRTC media

```
Start at: 2019-01-24 14:53:58
End at: 2019-01-24 14:54:28
Local clock offset: -7.435 ms
Remote clock offset: -0.68 ms

# Below is generated by plot.py at 2019-01-24 16:37:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 33.710 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 33.710 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

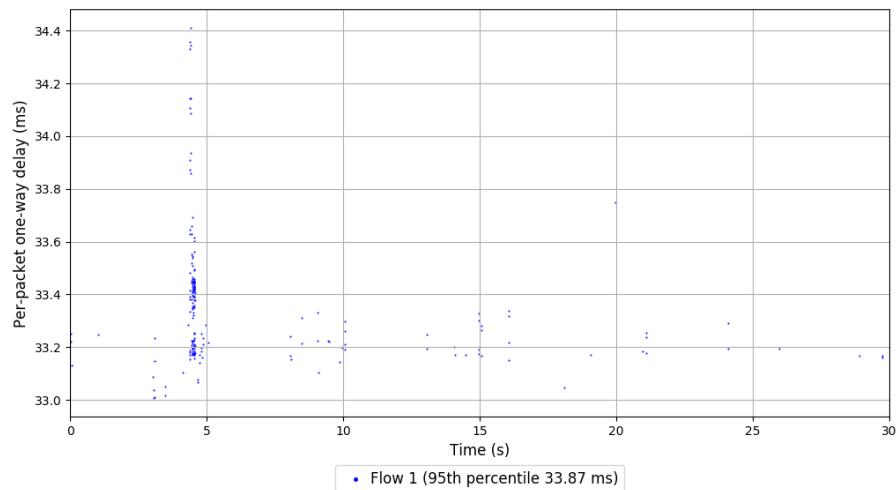
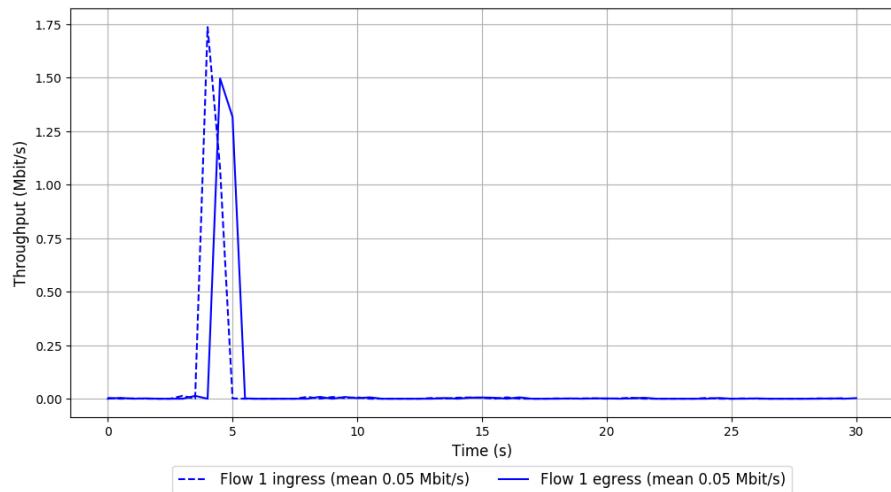


Run 3: Statistics of WebRTC media

```
Start at: 2019-01-24 15:19:33
End at: 2019-01-24 15:20:03
Local clock offset: -3.561 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2019-01-24 16:37:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 33.873 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 33.873 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

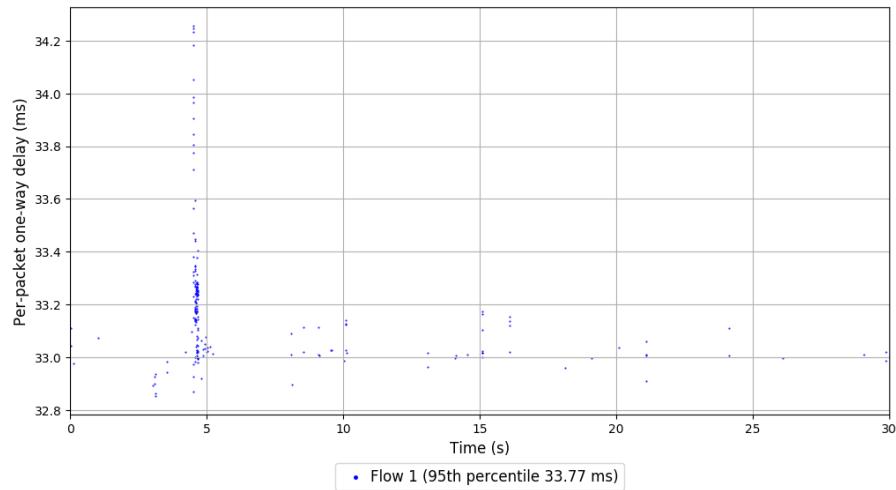
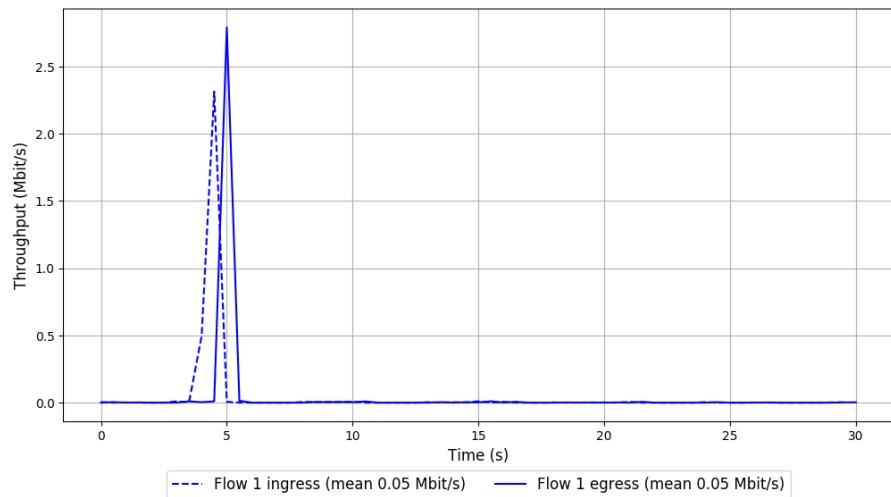


Run 4: Statistics of WebRTC media

```
Start at: 2019-01-24 15:44:40
End at: 2019-01-24 15:45:10
Local clock offset: -1.924 ms
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2019-01-24 16:37:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 33.774 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 33.774 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



```
Run 5: Statistics of WebRTC media

Start at: 2019-01-24 16:09:12
End at: 2019-01-24 16:09:42
Local clock offset: -1.406 ms
Remote clock offset: 0.268 ms

# Below is generated by plot.py at 2019-01-24 16:37:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 33.947 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 33.947 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

