

Pantheon Report

Generated at 2019-02-19 21:56:04 (UTC).

Data path: AWS India 1 on `ens5` (*local*) → India 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 `nets.org.sg` and have been applied to correct the timestamps in logs.

System info:

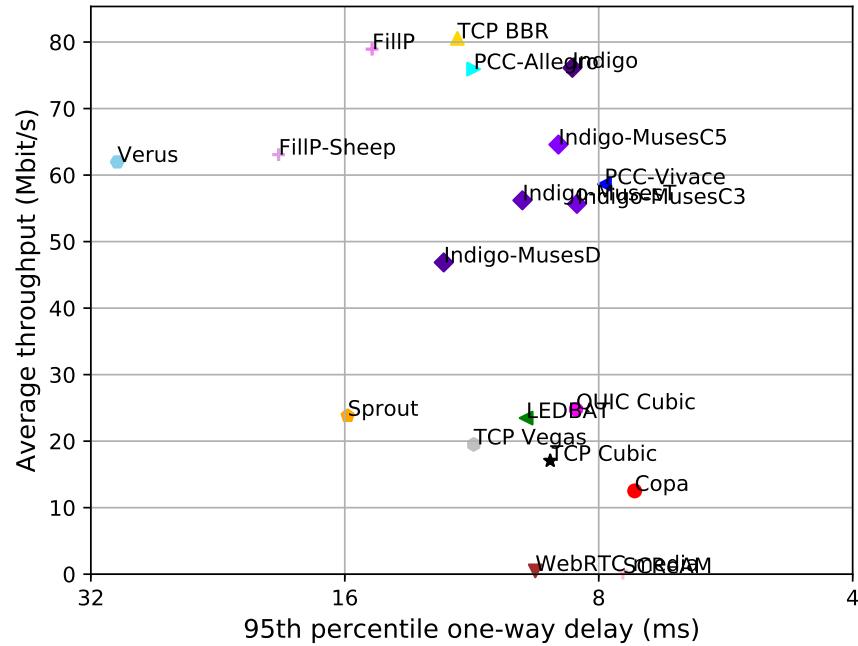
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

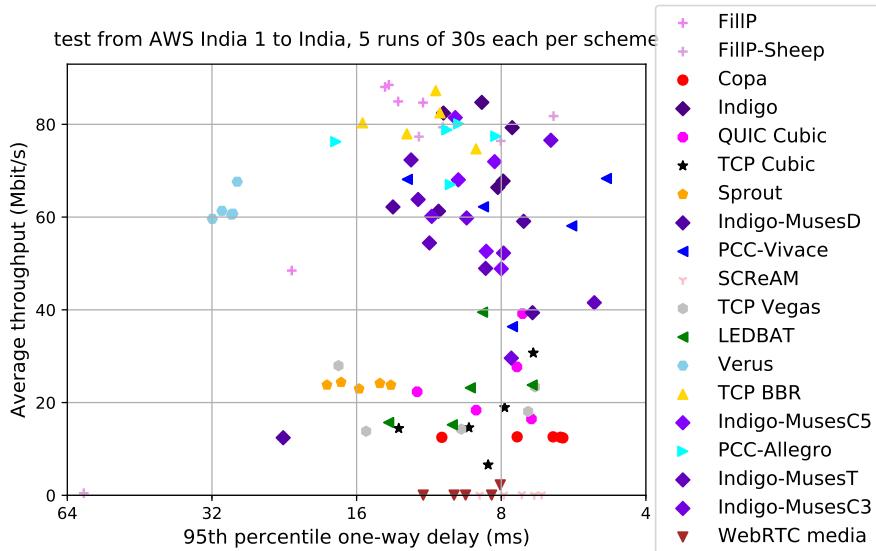
```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/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 India 1 to India, 5 runs of 30s each per scheme
(mean of all runs by scheme)



test from AWS India 1 to India, 5 runs of 30s each per scheme



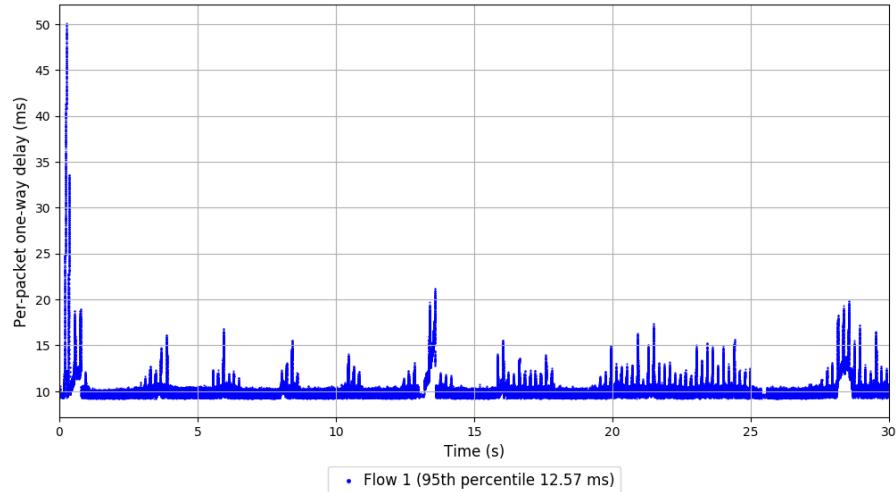
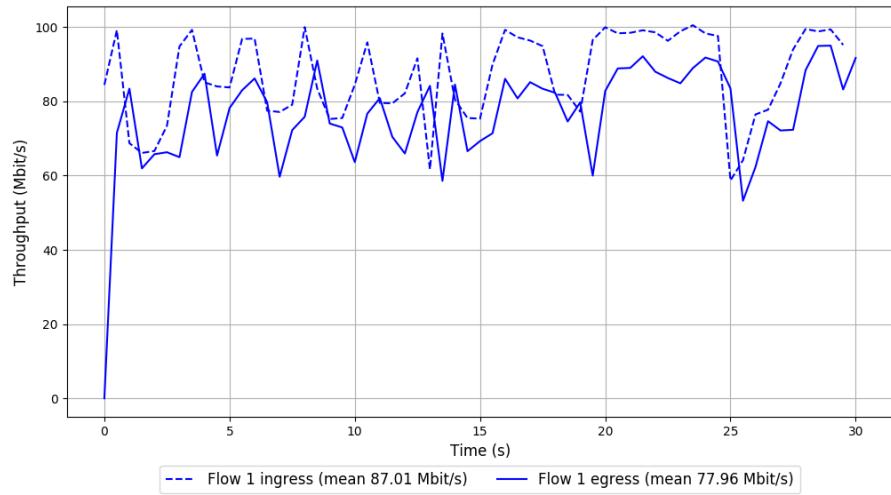
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	80.55	11.77	8.76
Copa	5	12.52	7.25	69.73
TCP Cubic	5	17.04	9.13	0.60
FillP	5	78.94	14.85	10.38
FillP-Sheep	5	63.07	19.17	14.24
Indigo	5	76.12	8.60	9.60
Indigo-MusesC3	5	55.67	8.49	4.84
Indigo-MusesC5	5	64.59	8.93	5.63
Indigo-MusesD	5	46.86	12.21	9.00
Indigo-MusesT	5	56.20	9.85	6.96
LEDBAT	5	23.47	9.75	0.53
PCC-Allegro	5	75.93	11.26	8.66
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	24.80	8.51	1.75
SCReAM	5	0.16	7.49	0.55
Sprout	5	23.81	15.87	1.50
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	19.50	11.25	0.92
Verus	5	61.98	29.77	8.55
PCC-Vivace	5	58.63	7.88	5.49
WebRTC media	5	0.49	9.51	0.89

Run 1: Statistics of TCP BBR

```
Start at: 2019-02-19 19:54:53
End at: 2019-02-19 19:55:23
Local clock offset: 0.556 ms
Remote clock offset: -5.853 ms

# Below is generated by plot.py at 2019-02-19 21:49:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.96 Mbit/s
95th percentile per-packet one-way delay: 12.574 ms
Loss rate: 10.40%
-- Flow 1:
Average throughput: 77.96 Mbit/s
95th percentile per-packet one-way delay: 12.574 ms
Loss rate: 10.40%
```

Run 1: Report of TCP BBR — Data Link

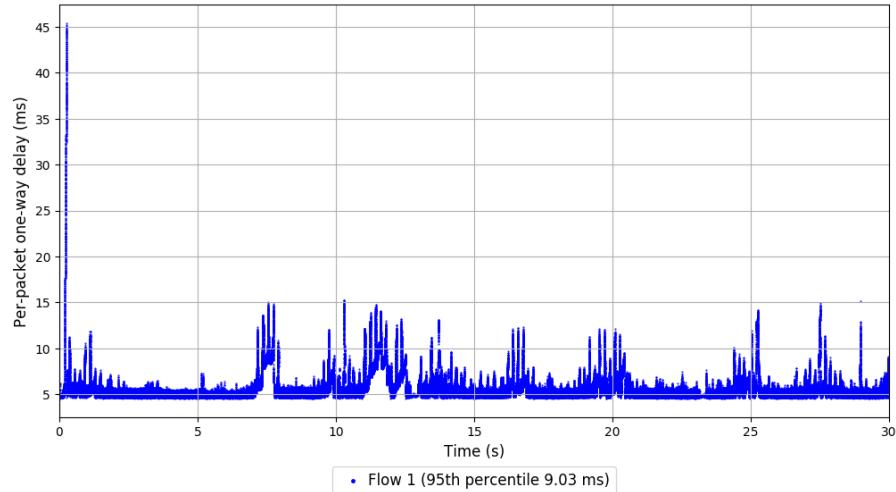
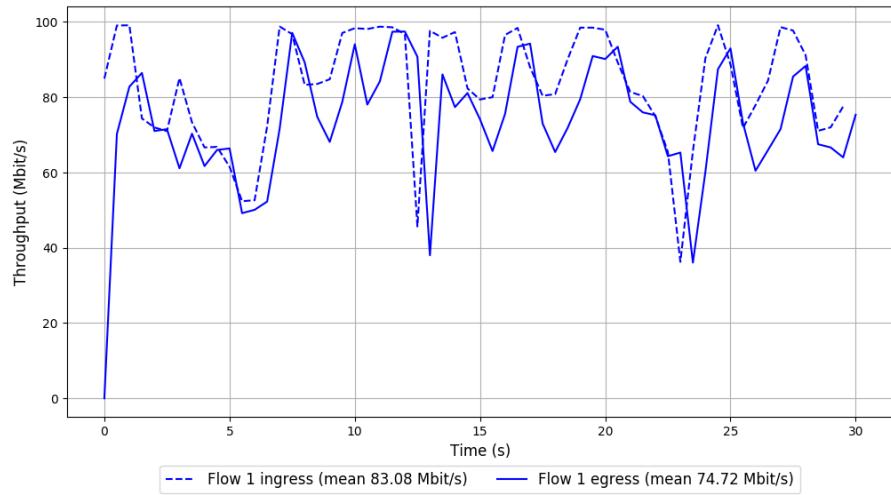


Run 2: Statistics of TCP BBR

```
Start at: 2019-02-19 20:19:48
End at: 2019-02-19 20:20:18
Local clock offset: 2.874 ms
Remote clock offset: -5.265 ms

# Below is generated by plot.py at 2019-02-19 21:49:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.72 Mbit/s
95th percentile per-packet one-way delay: 9.027 ms
Loss rate: 10.06%
-- Flow 1:
Average throughput: 74.72 Mbit/s
95th percentile per-packet one-way delay: 9.027 ms
Loss rate: 10.06%
```

Run 2: Report of TCP BBR — Data Link

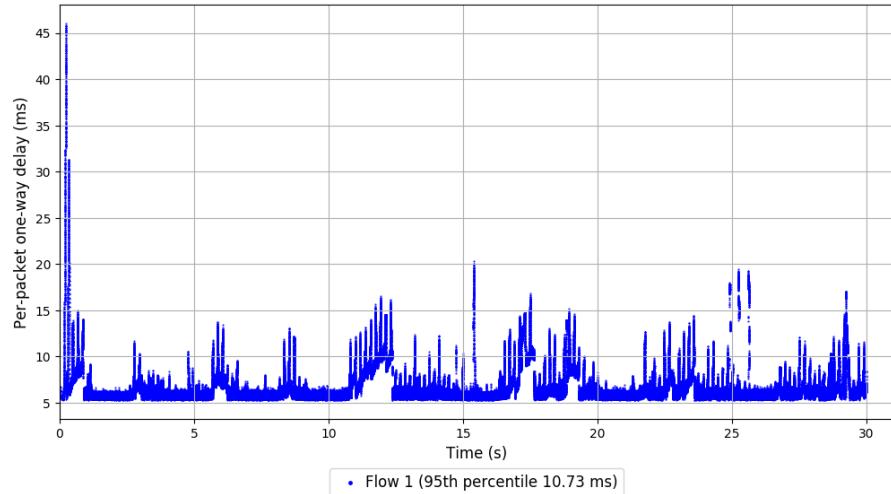
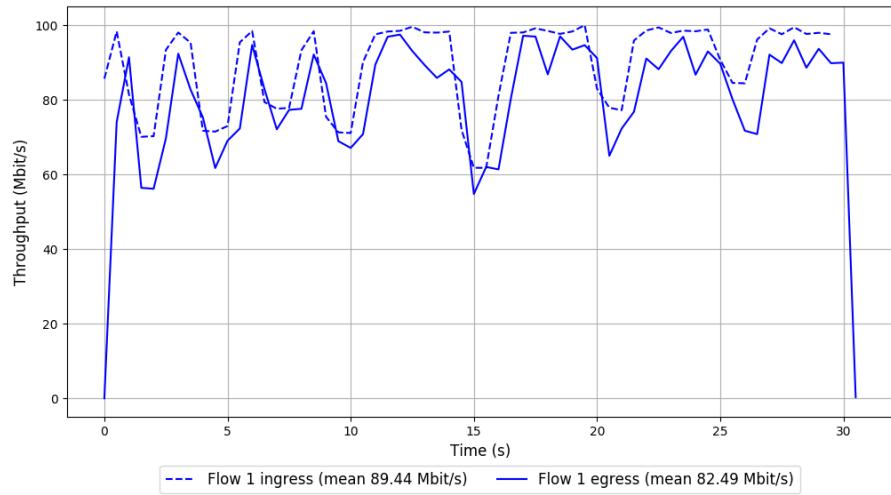


Run 3: Statistics of TCP BBR

```
Start at: 2019-02-19 20:43:51
End at: 2019-02-19 20:44:21
Local clock offset: 2.352 ms
Remote clock offset: -3.848 ms

# Below is generated by plot.py at 2019-02-19 21:49:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.49 Mbit/s
95th percentile per-packet one-way delay: 10.728 ms
Loss rate: 7.77%
-- Flow 1:
Average throughput: 82.49 Mbit/s
95th percentile per-packet one-way delay: 10.728 ms
Loss rate: 7.77%
```

Run 3: Report of TCP BBR — Data Link

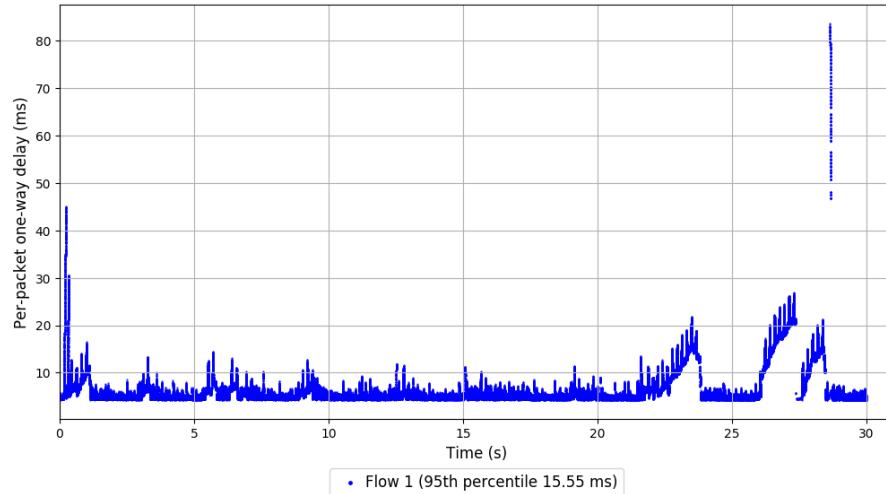
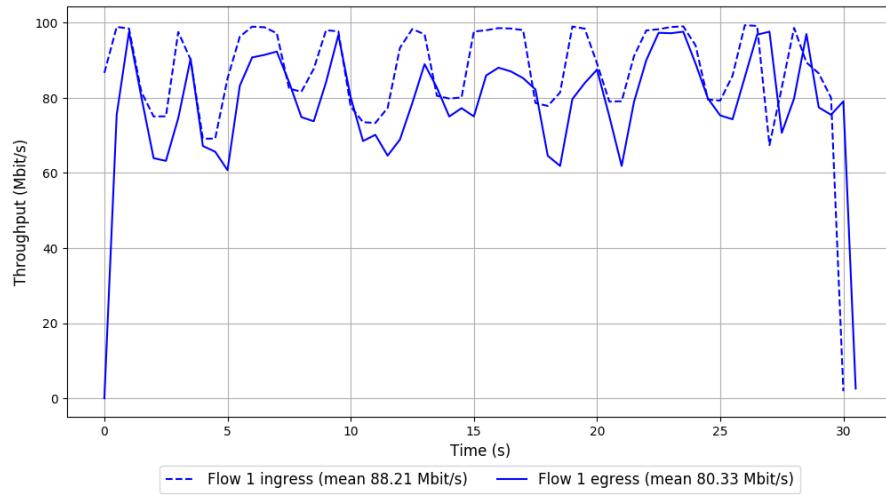


Run 4: Statistics of TCP BBR

```
Start at: 2019-02-19 21:07:30
End at: 2019-02-19 21:08:00
Local clock offset: 0.209 ms
Remote clock offset: -4.303 ms

# Below is generated by plot.py at 2019-02-19 21:49:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.33 Mbit/s
95th percentile per-packet one-way delay: 15.551 ms
Loss rate: 8.94%
-- Flow 1:
Average throughput: 80.33 Mbit/s
95th percentile per-packet one-way delay: 15.551 ms
Loss rate: 8.94%
```

Run 4: Report of TCP BBR — Data Link

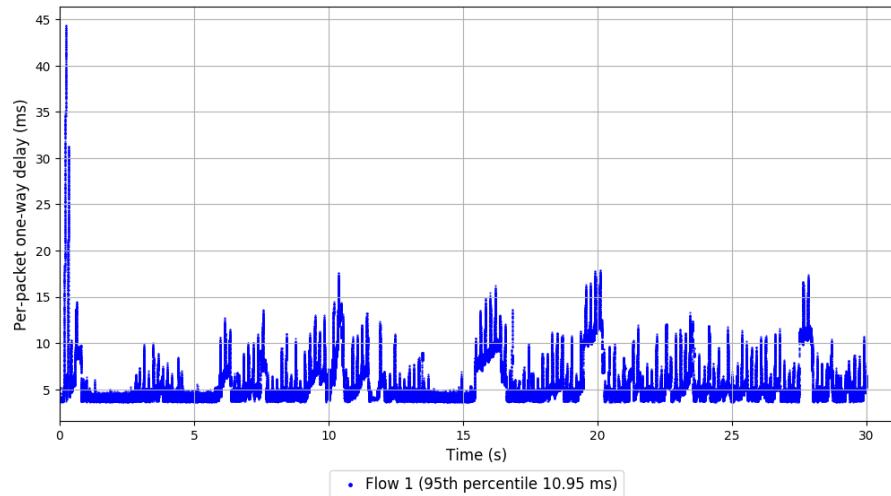
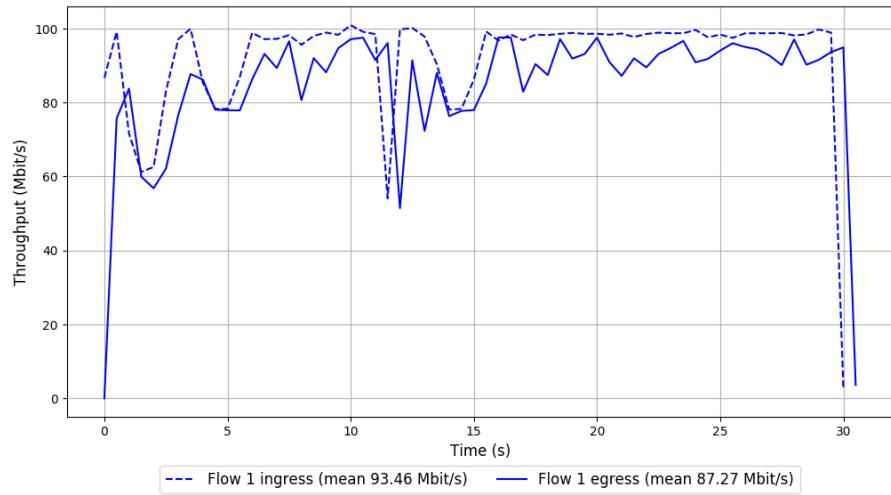


Run 5: Statistics of TCP BBR

```
Start at: 2019-02-19 21:31:19
End at: 2019-02-19 21:31:49
Local clock offset: -0.104 ms
Remote clock offset: -3.703 ms

# Below is generated by plot.py at 2019-02-19 21:49:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.27 Mbit/s
95th percentile per-packet one-way delay: 10.950 ms
Loss rate: 6.62%
-- Flow 1:
Average throughput: 87.27 Mbit/s
95th percentile per-packet one-way delay: 10.950 ms
Loss rate: 6.62%
```

Run 5: Report of TCP BBR — Data Link

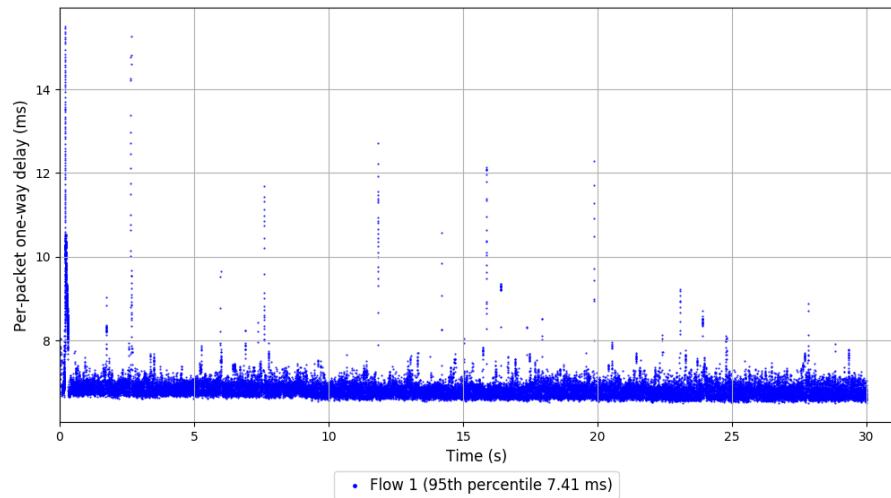
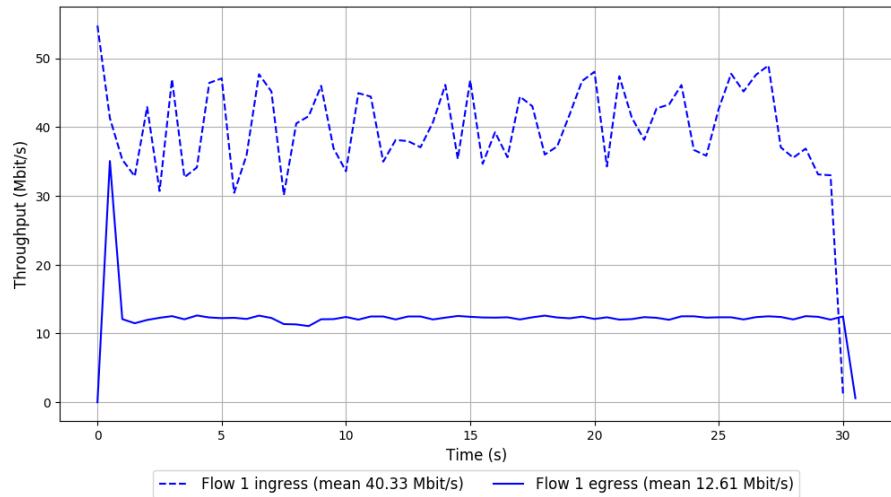


Run 1: Statistics of Copa

```
Start at: 2019-02-19 20:04:22
End at: 2019-02-19 20:04:52
Local clock offset: 1.916 ms
Remote clock offset: -4.856 ms

# Below is generated by plot.py at 2019-02-19 21:49:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 7.413 ms
Loss rate: 68.75%
-- Flow 1:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 7.413 ms
Loss rate: 68.75%
```

Run 1: Report of Copa — Data Link

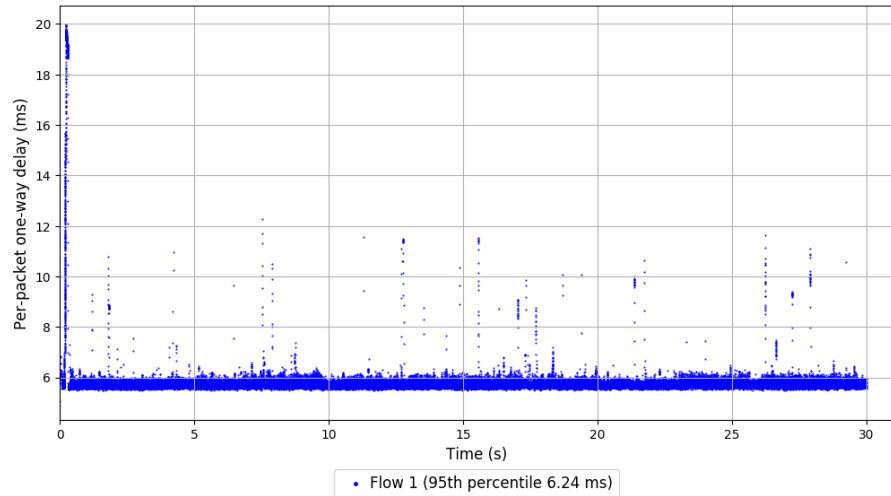
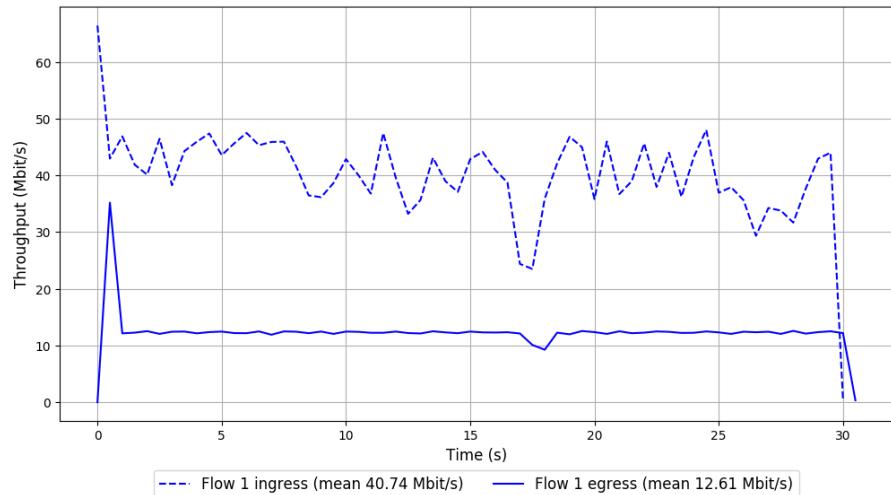


Run 2: Statistics of Copa

```
Start at: 2019-02-19 20:28:55
End at: 2019-02-19 20:29:25
Local clock offset: 2.818 ms
Remote clock offset: -4.63 ms

# Below is generated by plot.py at 2019-02-19 21:49:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 6.240 ms
Loss rate: 69.06%
-- Flow 1:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 6.240 ms
Loss rate: 69.06%
```

Run 2: Report of Copa — Data Link

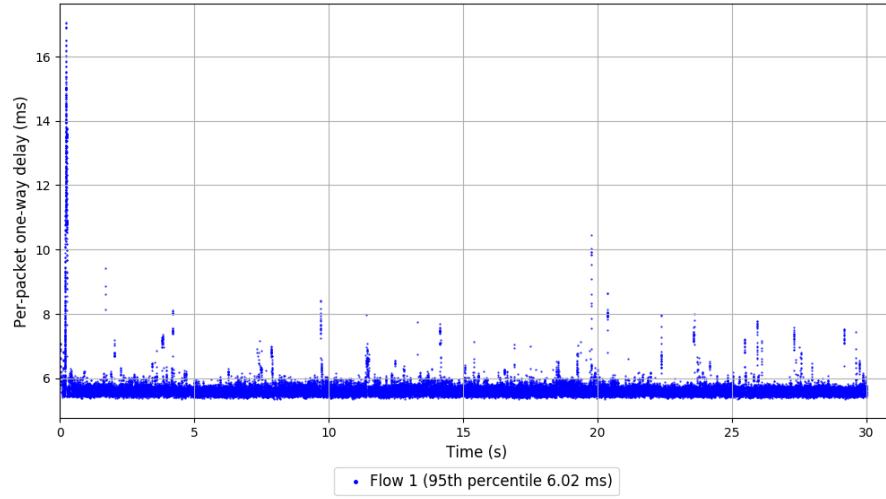
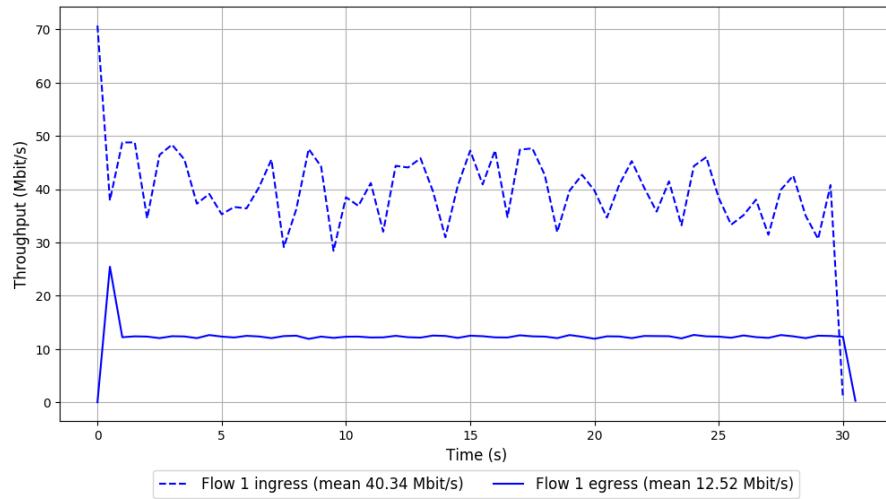


Run 3: Statistics of Copa

```
Start at: 2019-02-19 20:52:49
End at: 2019-02-19 20:53:19
Local clock offset: 1.372 ms
Remote clock offset: -4.63 ms

# Below is generated by plot.py at 2019-02-19 21:49:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.52 Mbit/s
95th percentile per-packet one-way delay: 6.021 ms
Loss rate: 68.97%
-- Flow 1:
Average throughput: 12.52 Mbit/s
95th percentile per-packet one-way delay: 6.021 ms
Loss rate: 68.97%
```

Run 3: Report of Copa — Data Link

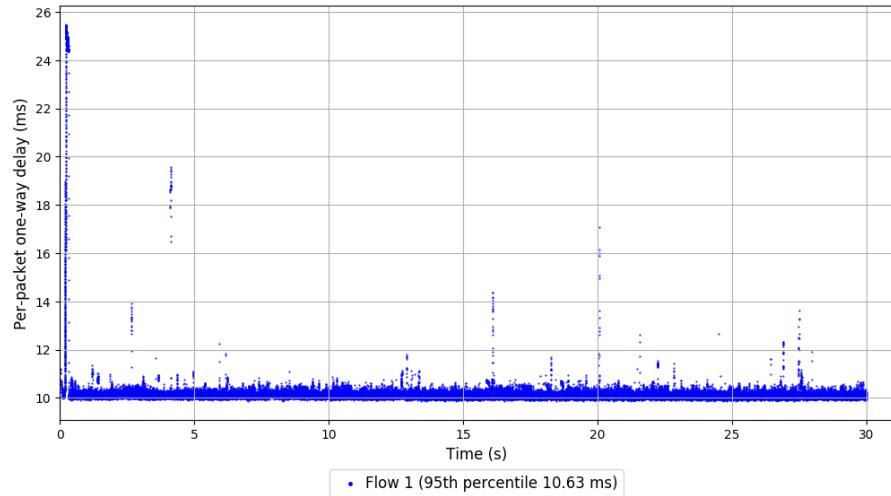
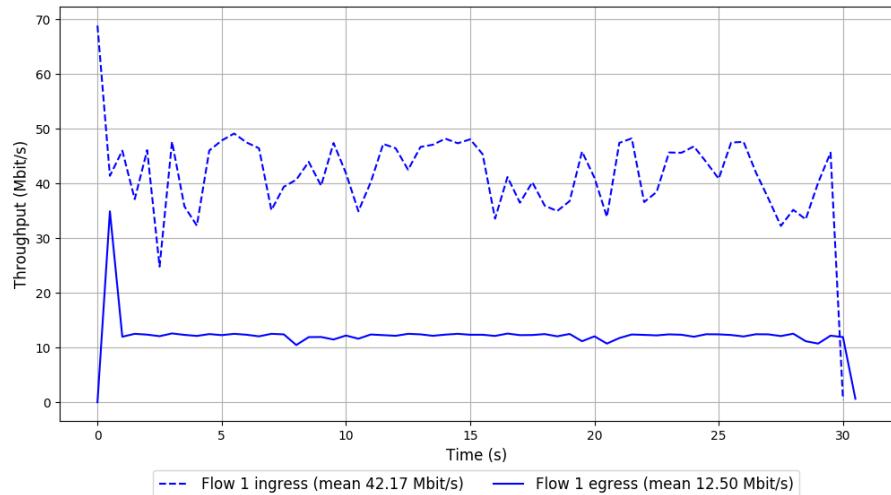


Run 4: Statistics of Copa

```
Start at: 2019-02-19 21:16:25
End at: 2019-02-19 21:16:55
Local clock offset: -2.782 ms
Remote clock offset: -1.298 ms

# Below is generated by plot.py at 2019-02-19 21:49:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.50 Mbit/s
95th percentile per-packet one-way delay: 10.635 ms
Loss rate: 70.36%
-- Flow 1:
Average throughput: 12.50 Mbit/s
95th percentile per-packet one-way delay: 10.635 ms
Loss rate: 70.36%
```

Run 4: Report of Copa — Data Link

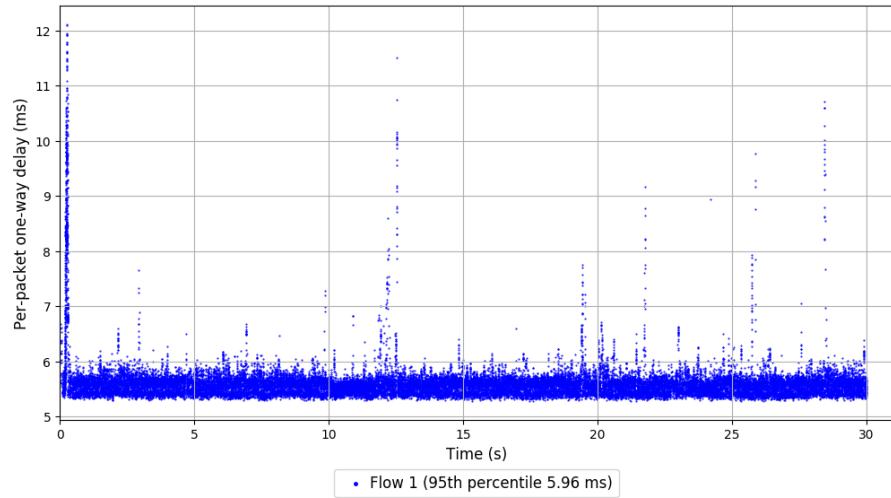
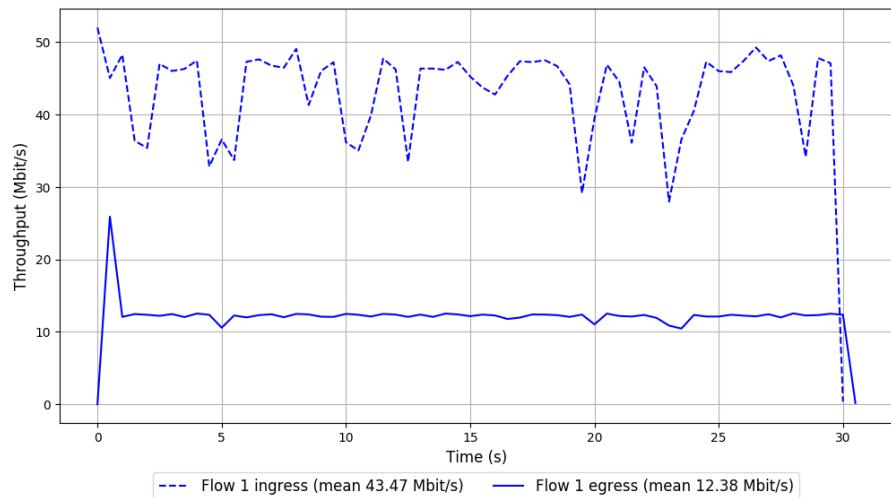


Run 5: Statistics of Copa

```
Start at: 2019-02-19 21:40:26
End at: 2019-02-19 21:40:57
Local clock offset: -1.681 ms
Remote clock offset: -4.175 ms

# Below is generated by plot.py at 2019-02-19 21:49:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 5.955 ms
Loss rate: 71.52%
-- Flow 1:
Average throughput: 12.38 Mbit/s
95th percentile per-packet one-way delay: 5.955 ms
Loss rate: 71.52%
```

Run 5: Report of Copa — Data Link

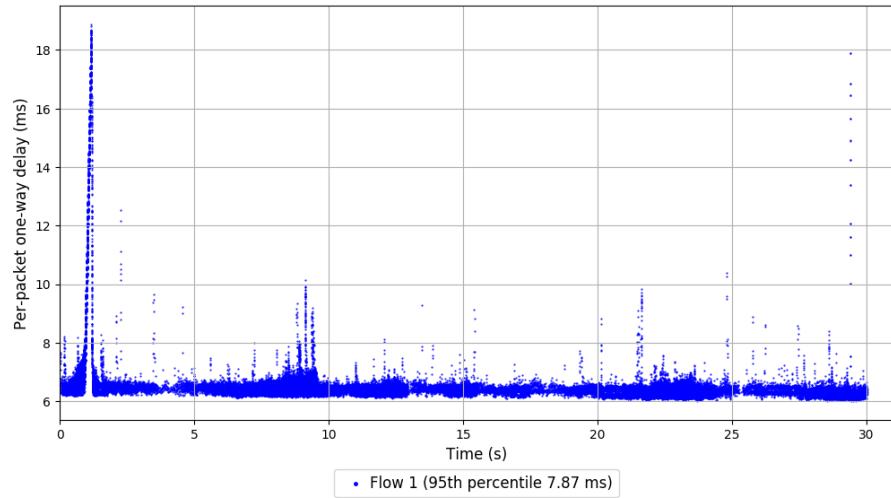
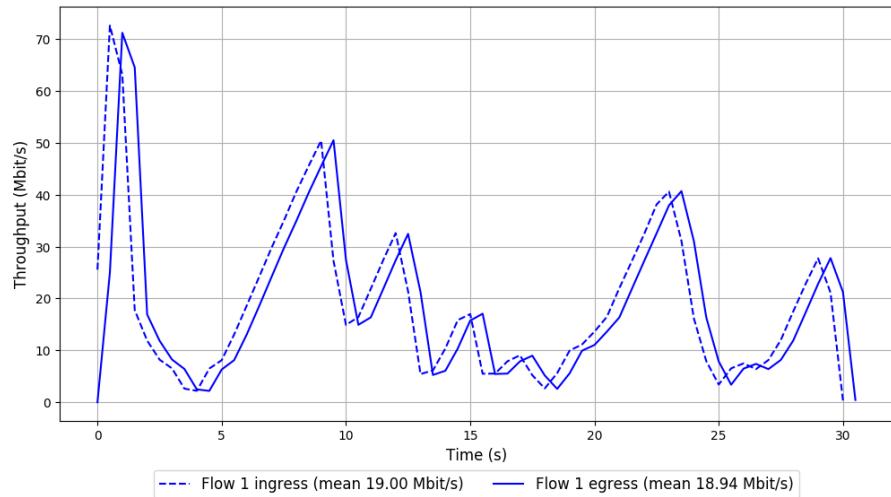


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-02-19 19:59:46
End at: 2019-02-19 20:00:16
Local clock offset: 2.242 ms
Remote clock offset: -5.933 ms

# Below is generated by plot.py at 2019-02-19 21:49:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.94 Mbit/s
95th percentile per-packet one-way delay: 7.871 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 18.94 Mbit/s
95th percentile per-packet one-way delay: 7.871 ms
Loss rate: 0.31%
```

Run 1: Report of TCP Cubic — Data Link

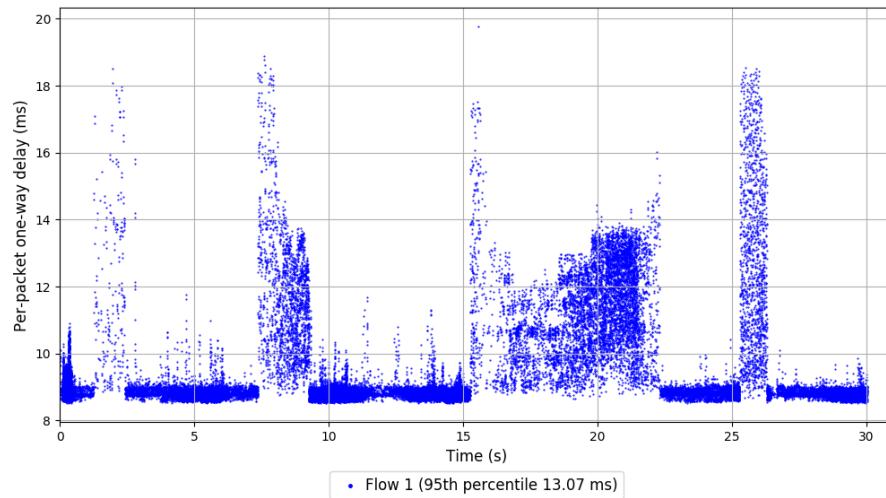
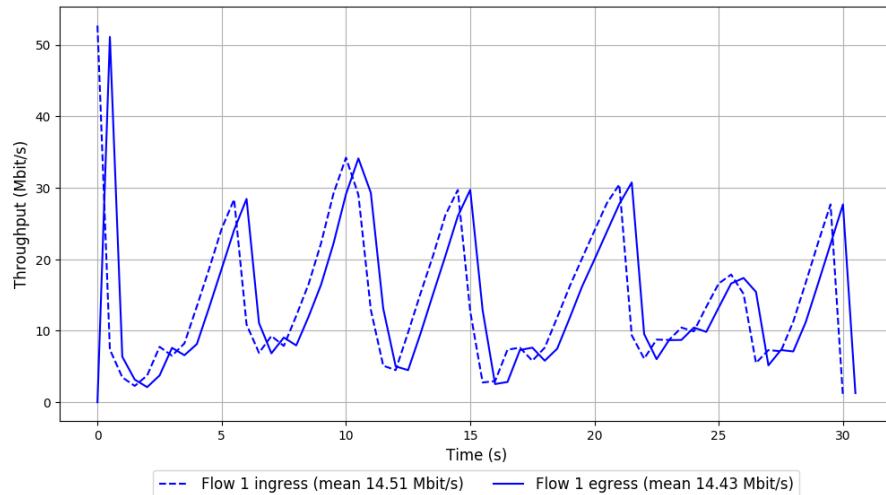


Run 2: Statistics of TCP Cubic

```
Start at: 2019-02-19 20:24:24
End at: 2019-02-19 20:24:54
Local clock offset: 0.212 ms
Remote clock offset: -4.029 ms

# Below is generated by plot.py at 2019-02-19 21:49:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.43 Mbit/s
95th percentile per-packet one-way delay: 13.075 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 14.43 Mbit/s
95th percentile per-packet one-way delay: 13.075 ms
Loss rate: 0.59%
```

Run 2: Report of TCP Cubic — Data Link

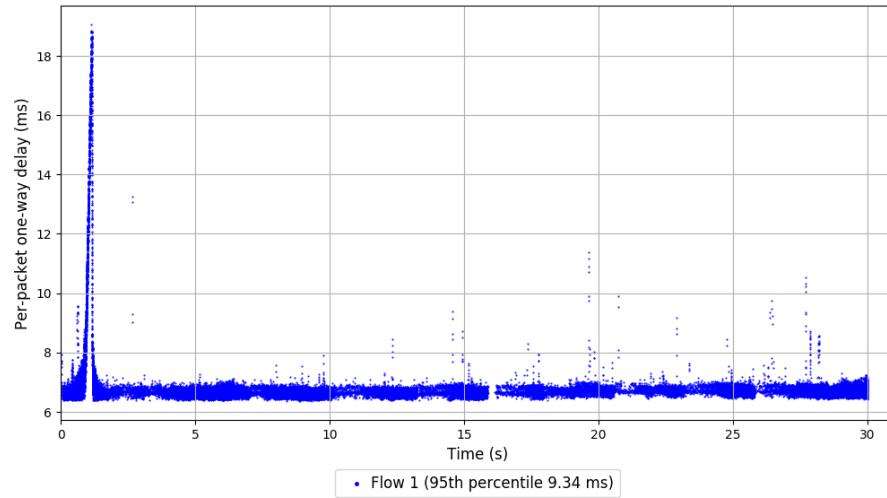
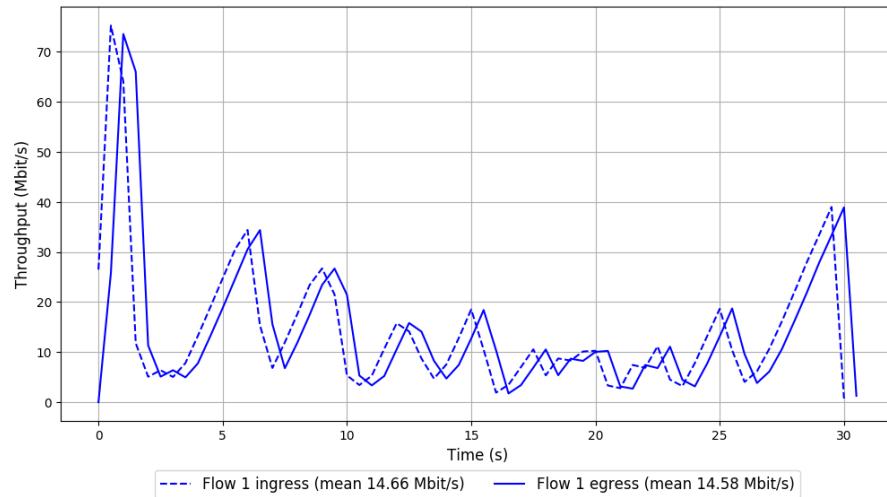


Run 3: Statistics of TCP Cubic

```
Start at: 2019-02-19 20:48:23
End at: 2019-02-19 20:48:53
Local clock offset: 0.658 ms
Remote clock offset: -3.731 ms

# Below is generated by plot.py at 2019-02-19 21:49:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.58 Mbit/s
95th percentile per-packet one-way delay: 9.340 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 14.58 Mbit/s
95th percentile per-packet one-way delay: 9.340 ms
Loss rate: 0.52%
```

Run 3: Report of TCP Cubic — Data Link

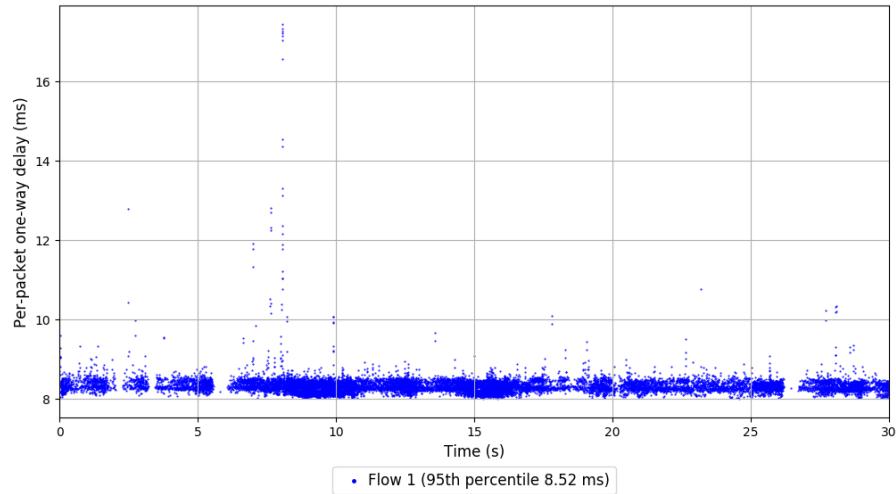
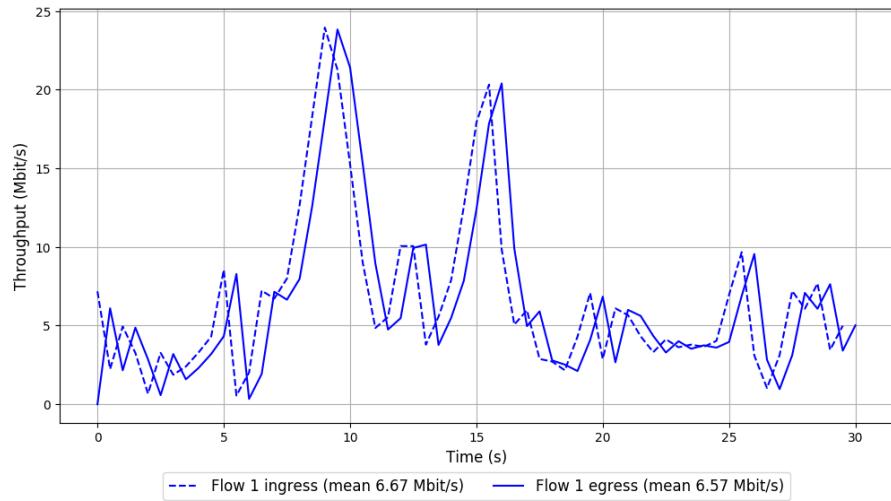


Run 4: Statistics of TCP Cubic

```
Start at: 2019-02-19 21:11:59
End at: 2019-02-19 21:12:29
Local clock offset: -1.223 ms
Remote clock offset: -1.876 ms

# Below is generated by plot.py at 2019-02-19 21:49:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.57 Mbit/s
95th percentile per-packet one-way delay: 8.518 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 6.57 Mbit/s
95th percentile per-packet one-way delay: 8.518 ms
Loss rate: 1.50%
```

Run 4: Report of TCP Cubic — Data Link

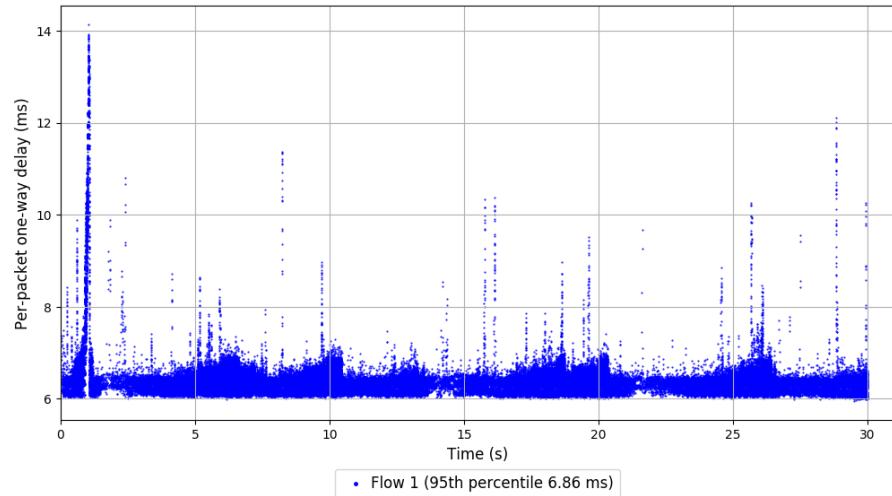
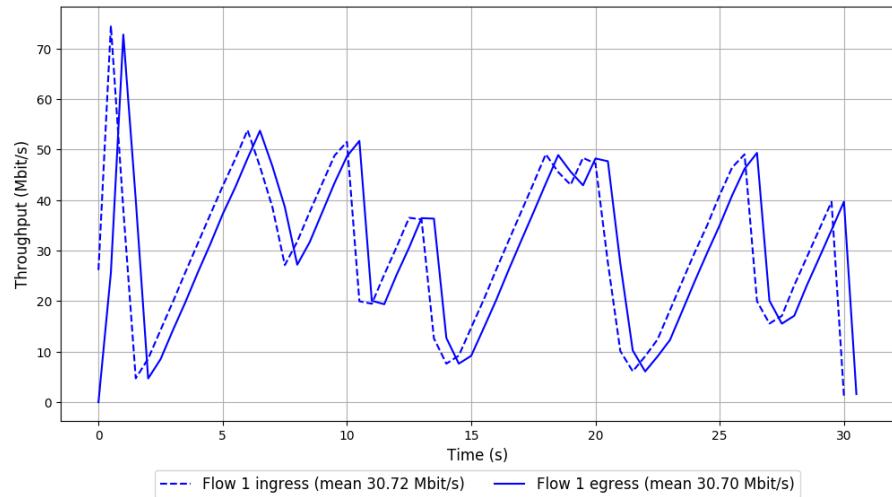


Run 5: Statistics of TCP Cubic

```
Start at: 2019-02-19 21:35:56
End at: 2019-02-19 21:36:26
Local clock offset: -0.502 ms
Remote clock offset: -1.669 ms

# Below is generated by plot.py at 2019-02-19 21:49:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.70 Mbit/s
95th percentile per-packet one-way delay: 6.861 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 30.70 Mbit/s
95th percentile per-packet one-way delay: 6.861 ms
Loss rate: 0.06%
```

Run 5: Report of TCP Cubic — Data Link

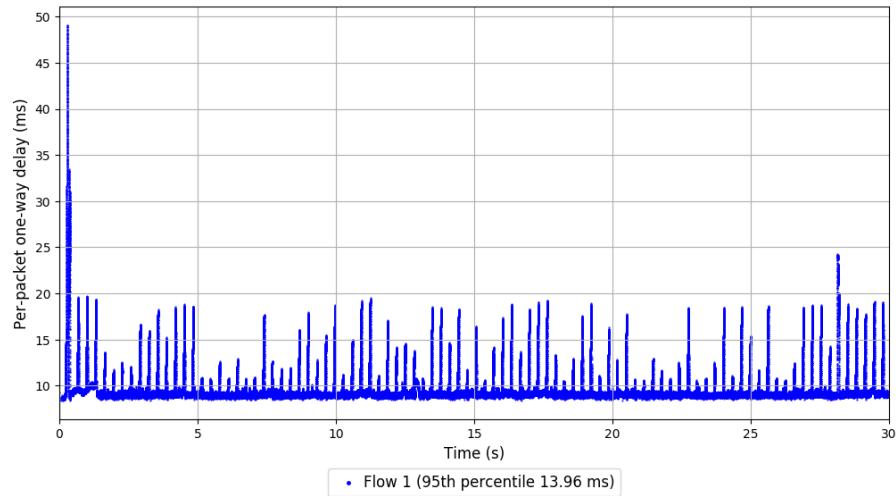
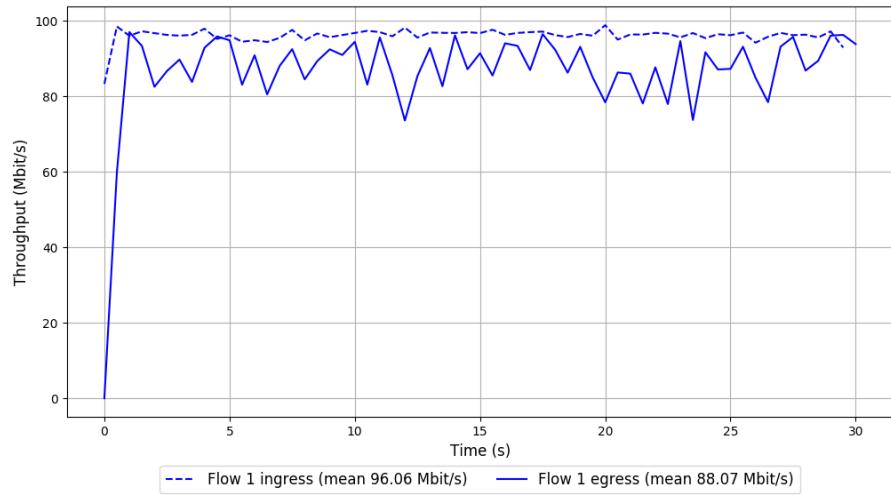


```
Run 1: Statistics of FillP
```

```
Start at: 2019-02-19 19:47:56
End at: 2019-02-19 19:48:26
Local clock offset: -1.486 ms
Remote clock offset: -8.028 ms

# Below is generated by plot.py at 2019-02-19 21:50:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.07 Mbit/s
95th percentile per-packet one-way delay: 13.960 ms
Loss rate: 8.33%
-- Flow 1:
Average throughput: 88.07 Mbit/s
95th percentile per-packet one-way delay: 13.960 ms
Loss rate: 8.33%
```

Run 1: Report of FillP — Data Link

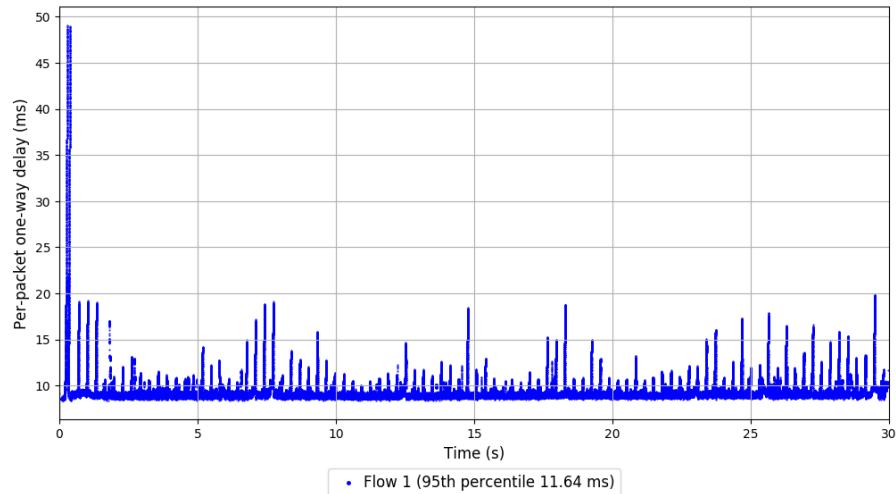
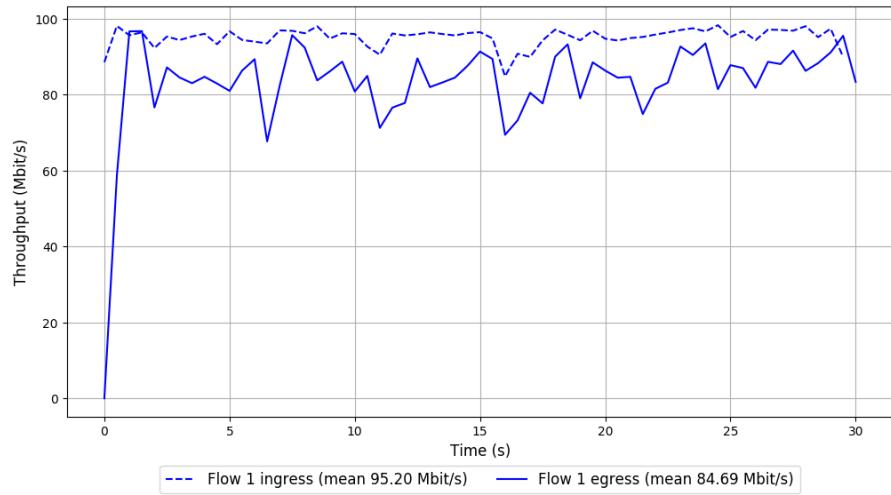


Run 2: Statistics of FillP

```
Start at: 2019-02-19 20:12:43
End at: 2019-02-19 20:13:13
Local clock offset: 0.02 ms
Remote clock offset: -4.098 ms

# Below is generated by plot.py at 2019-02-19 21:50:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.69 Mbit/s
95th percentile per-packet one-way delay: 11.637 ms
Loss rate: 11.04%
-- Flow 1:
Average throughput: 84.69 Mbit/s
95th percentile per-packet one-way delay: 11.637 ms
Loss rate: 11.04%
```

Run 2: Report of FillP — Data Link

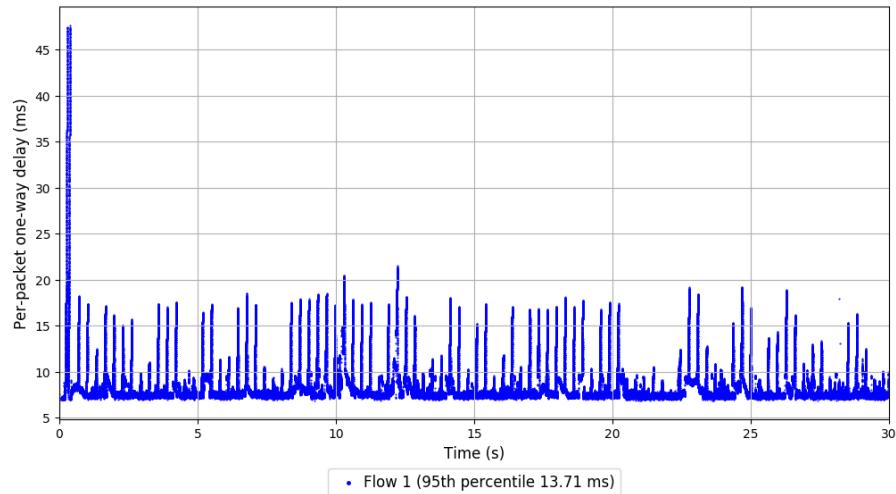
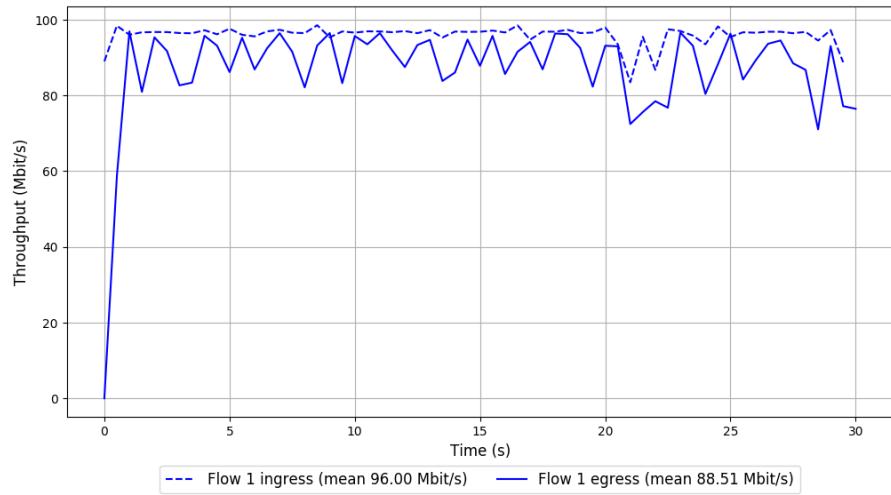


```
Run 3: Statistics of FillP
```

```
Start at: 2019-02-19 20:37:03
End at: 2019-02-19 20:37:33
Local clock offset: 0.233 ms
Remote clock offset: -4.451 ms

# Below is generated by plot.py at 2019-02-19 21:51:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.51 Mbit/s
95th percentile per-packet one-way delay: 13.710 ms
Loss rate: 7.80%
-- Flow 1:
Average throughput: 88.51 Mbit/s
95th percentile per-packet one-way delay: 13.710 ms
Loss rate: 7.80%
```

Run 3: Report of FillP — Data Link

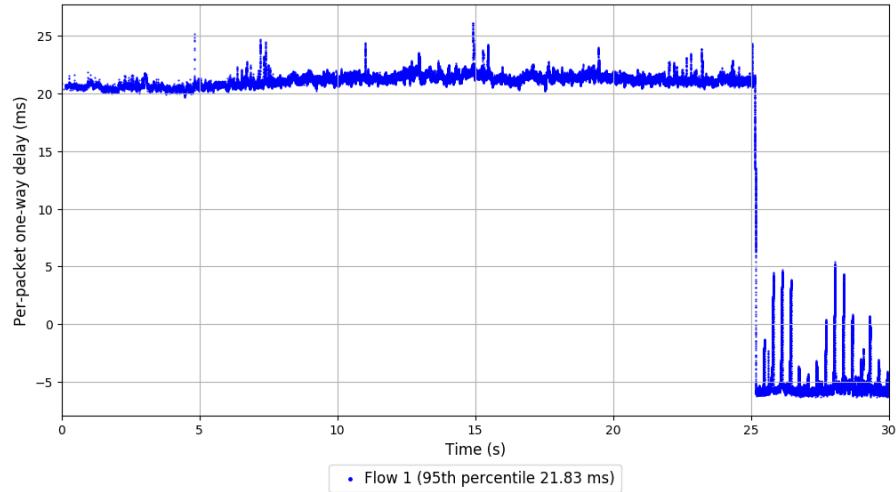
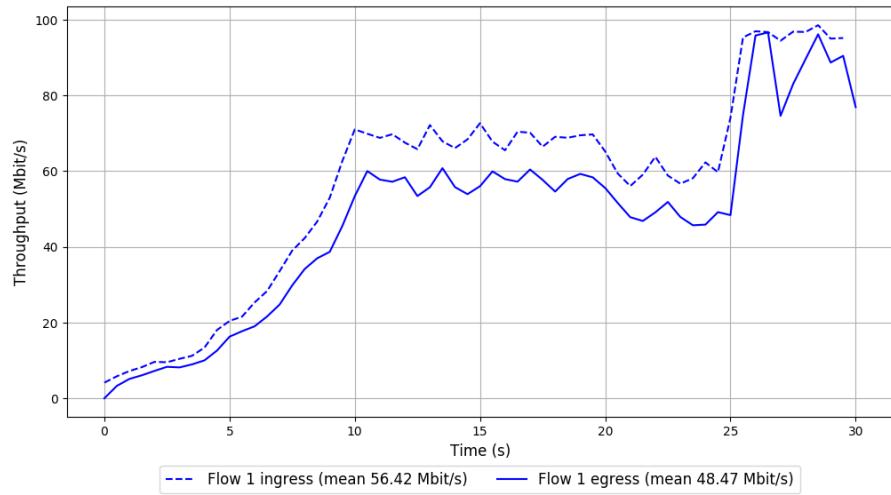


Run 4: Statistics of FillP

```
Start at: 2019-02-19 21:00:41
End at: 2019-02-19 21:01:11
Local clock offset: 0.016 ms
Remote clock offset: -16.987 ms

# Below is generated by plot.py at 2019-02-19 21:51:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.47 Mbit/s
95th percentile per-packet one-way delay: 21.831 ms
Loss rate: 14.18%
-- Flow 1:
Average throughput: 48.47 Mbit/s
95th percentile per-packet one-way delay: 21.831 ms
Loss rate: 14.18%
```

Run 4: Report of FillP — Data Link

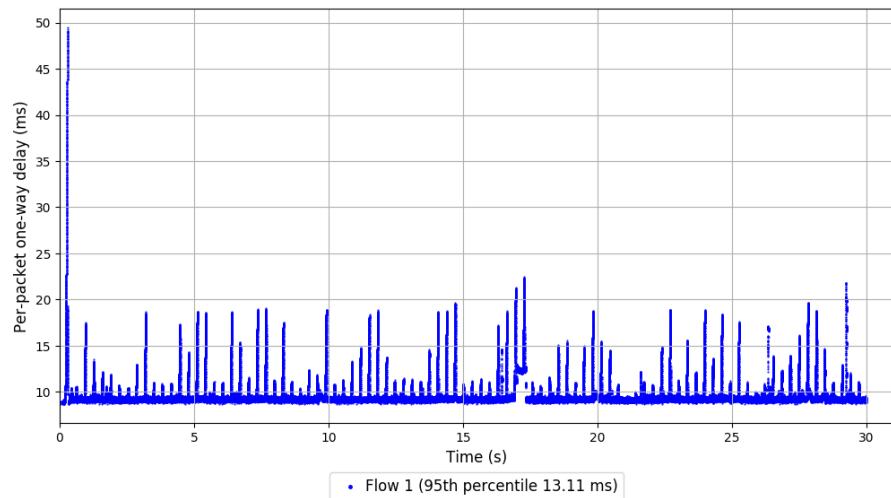
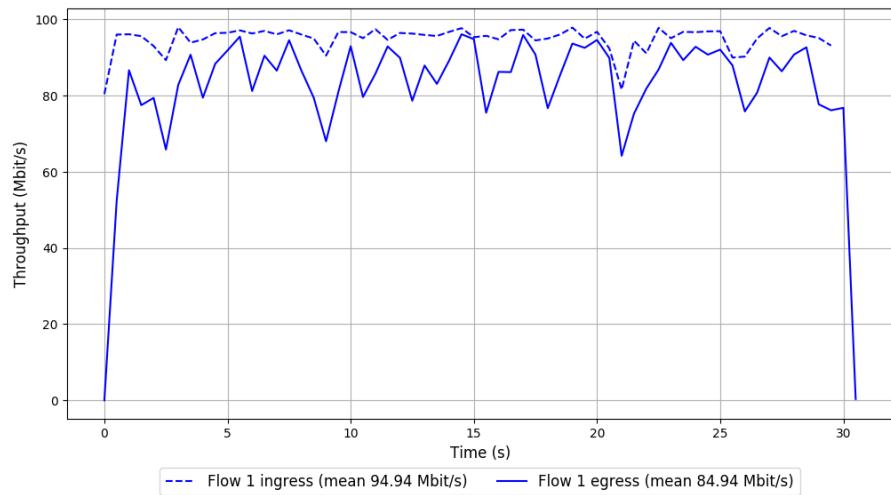


```
Run 5: Statistics of FillP
```

```
Start at: 2019-02-19 21:24:26
End at: 2019-02-19 21:24:56
Local clock offset: -2.679 ms
Remote clock offset: -1.877 ms

# Below is generated by plot.py at 2019-02-19 21:51:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.94 Mbit/s
95th percentile per-packet one-way delay: 13.110 ms
Loss rate: 10.53%
-- Flow 1:
Average throughput: 84.94 Mbit/s
95th percentile per-packet one-way delay: 13.110 ms
Loss rate: 10.53%
```

Run 5: Report of FillP — Data Link

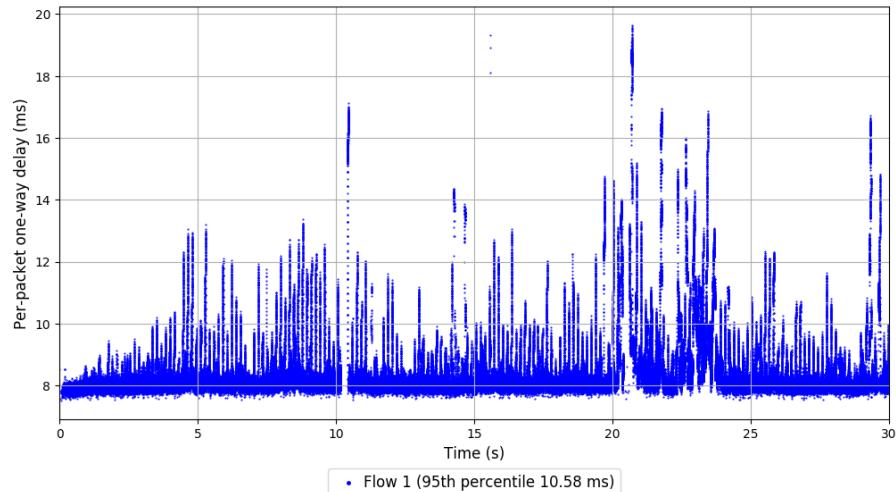
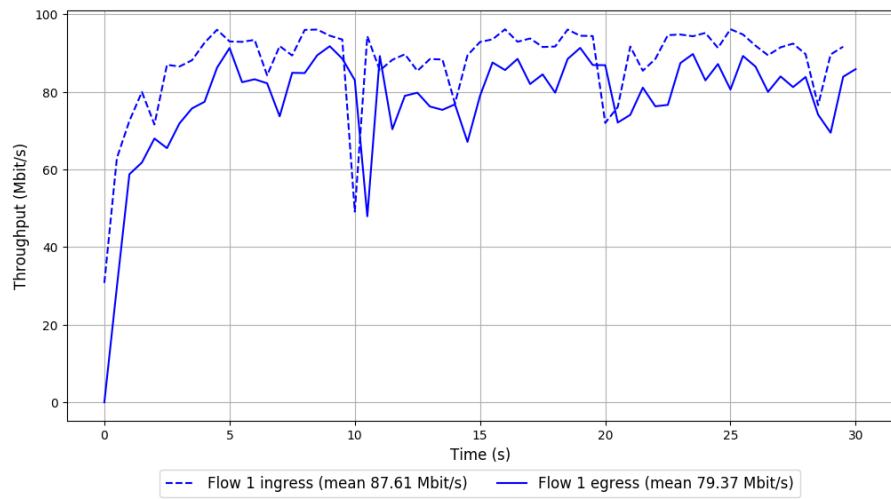


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-02-19 20:10:15
End at: 2019-02-19 20:10:46
Local clock offset: 0.392 ms
Remote clock offset: -4.591 ms

# Below is generated by plot.py at 2019-02-19 21:51:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.37 Mbit/s
95th percentile per-packet one-way delay: 10.579 ms
Loss rate: 9.41%
-- Flow 1:
Average throughput: 79.37 Mbit/s
95th percentile per-packet one-way delay: 10.579 ms
Loss rate: 9.41%
```

Run 1: Report of FillP-Sheep — Data Link

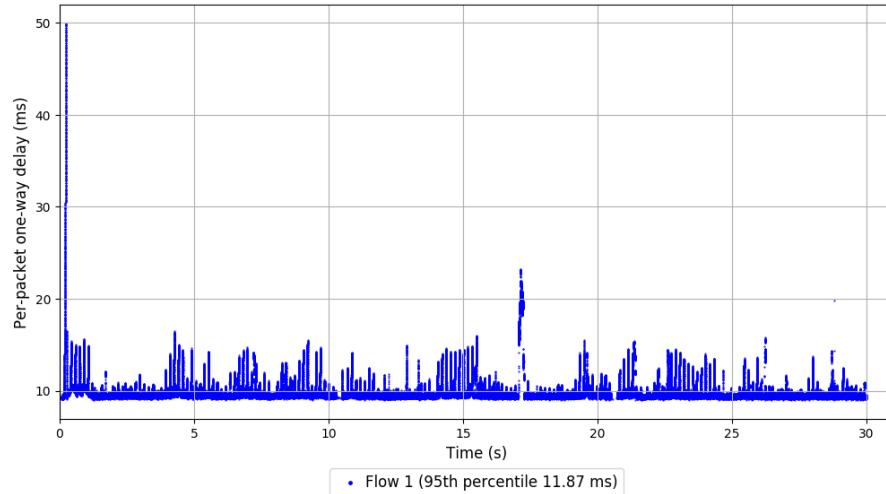
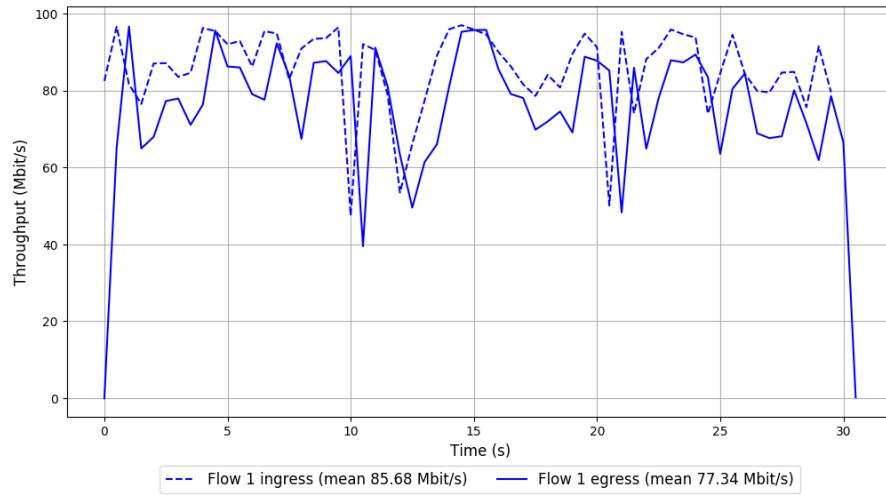


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-02-19 20:34:39
End at: 2019-02-19 20:35:09
Local clock offset: -1.843 ms
Remote clock offset: -4.624 ms

# Below is generated by plot.py at 2019-02-19 21:51:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.34 Mbit/s
95th percentile per-packet one-way delay: 11.869 ms
Loss rate: 9.73%
-- Flow 1:
Average throughput: 77.34 Mbit/s
95th percentile per-packet one-way delay: 11.869 ms
Loss rate: 9.73%
```

Run 2: Report of FillP-Sheep — Data Link

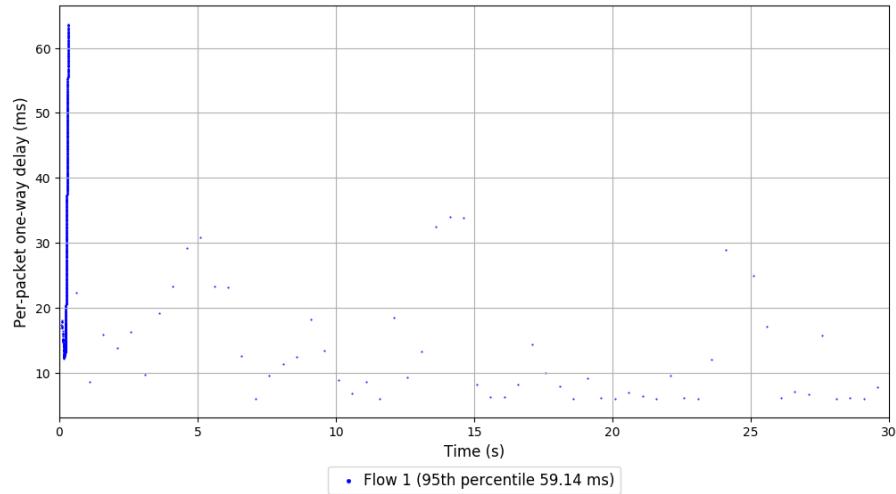
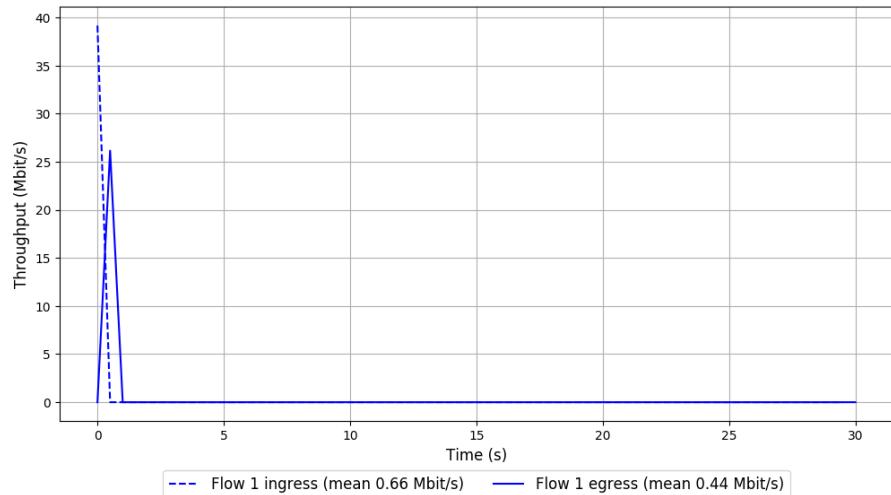


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-02-19 20:58:28
End at: 2019-02-19 20:58:58
Local clock offset: 1.346 ms
Remote clock offset: -3.84 ms

# Below is generated by plot.py at 2019-02-19 21:51:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 59.141 ms
Loss rate: 33.11%
-- Flow 1:
Average throughput: 0.44 Mbit/s
95th percentile per-packet one-way delay: 59.141 ms
Loss rate: 33.11%
```

Run 3: Report of FillP-Sheep — Data Link

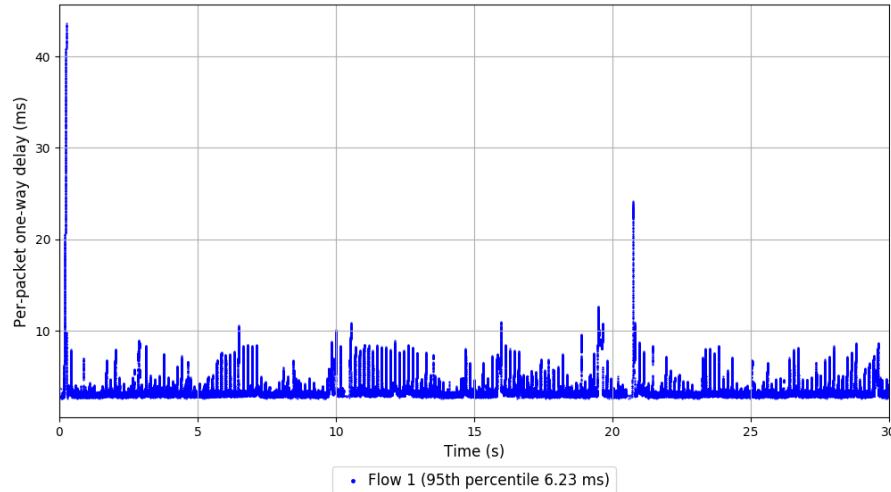
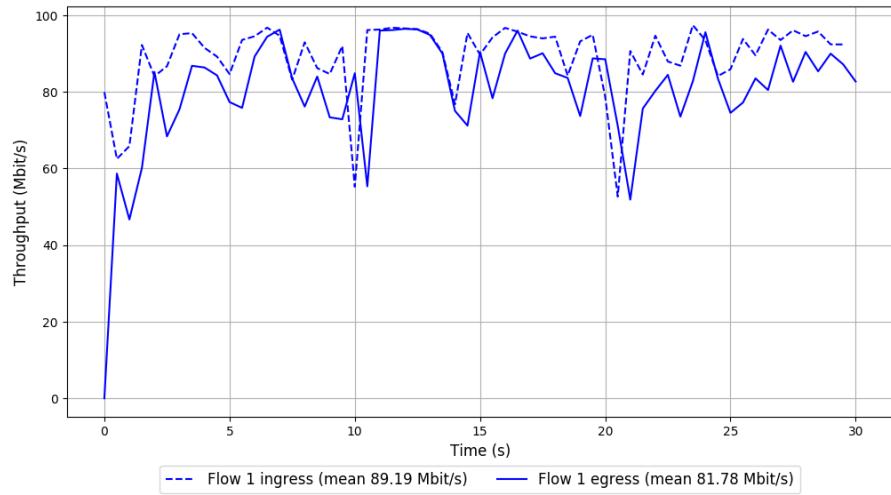


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-02-19 21:22:07
End at: 2019-02-19 21:22:37
Local clock offset: 1.119 ms
Remote clock offset: -4.188 ms

# Below is generated by plot.py at 2019-02-19 21:51:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.78 Mbit/s
95th percentile per-packet one-way delay: 6.227 ms
Loss rate: 8.30%
-- Flow 1:
Average throughput: 81.78 Mbit/s
95th percentile per-packet one-way delay: 6.227 ms
Loss rate: 8.30%
```

Run 4: Report of FillP-Sheep — Data Link

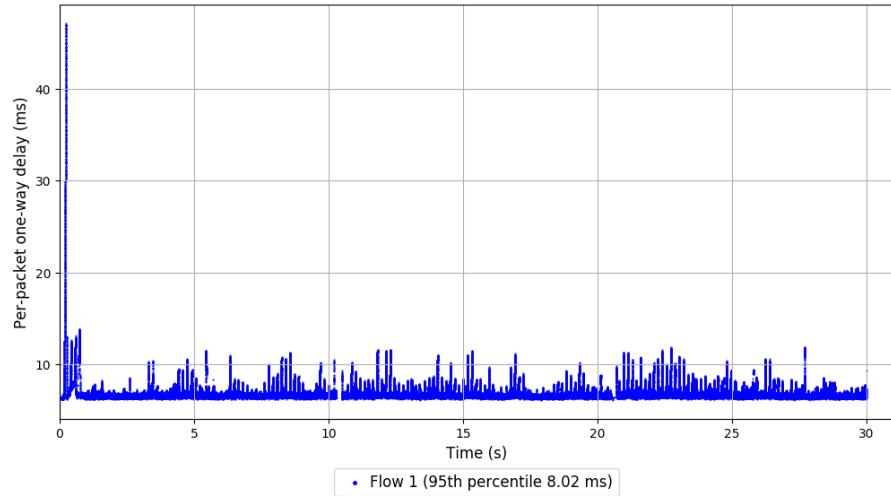
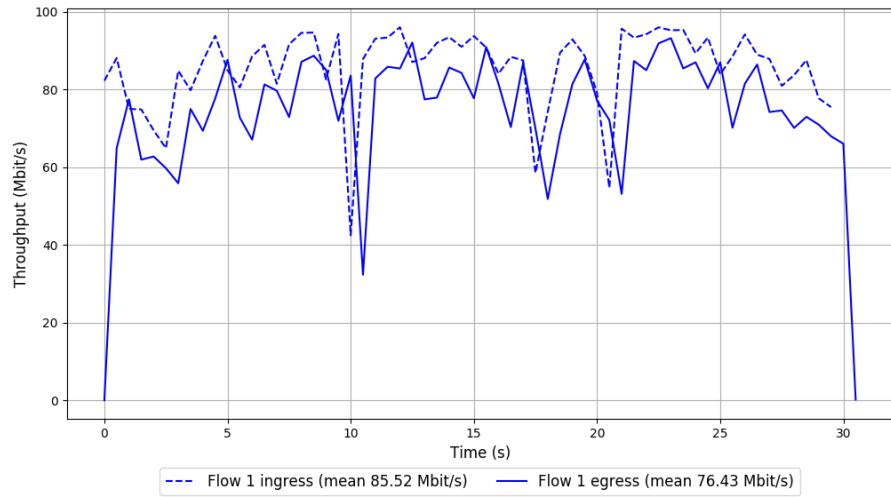


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-02-19 21:46:02
End at: 2019-02-19 21:46:32
Local clock offset: -2.045 ms
Remote clock offset: -2.626 ms

# Below is generated by plot.py at 2019-02-19 21:51:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.43 Mbit/s
95th percentile per-packet one-way delay: 8.019 ms
Loss rate: 10.63%
-- Flow 1:
Average throughput: 76.43 Mbit/s
95th percentile per-packet one-way delay: 8.019 ms
Loss rate: 10.63%
```

Run 5: Report of FillP-Sheep — Data Link

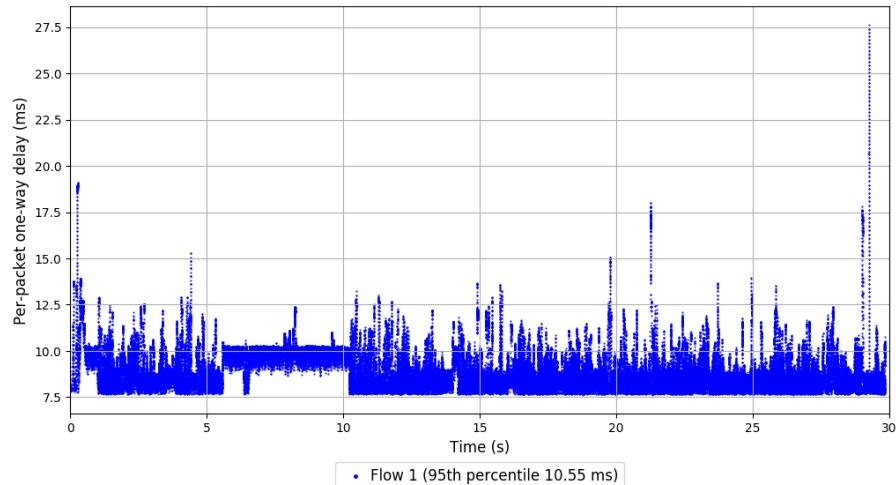
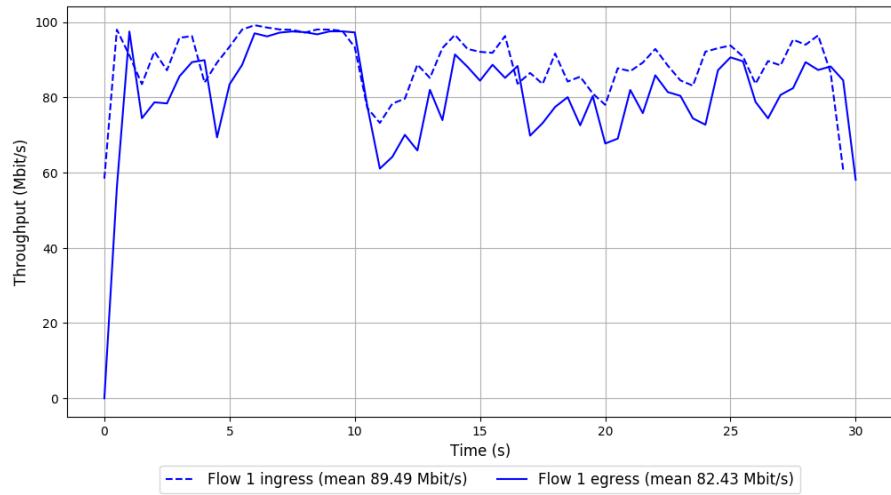


Run 1: Statistics of Indigo

```
Start at: 2019-02-19 20:07:53
End at: 2019-02-19 20:08:23
Local clock offset: 1.874 ms
Remote clock offset: -3.29 ms

# Below is generated by plot.py at 2019-02-19 21:51:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.43 Mbit/s
95th percentile per-packet one-way delay: 10.554 ms
Loss rate: 7.88%
-- Flow 1:
Average throughput: 82.43 Mbit/s
95th percentile per-packet one-way delay: 10.554 ms
Loss rate: 7.88%
```

Run 1: Report of Indigo — Data Link

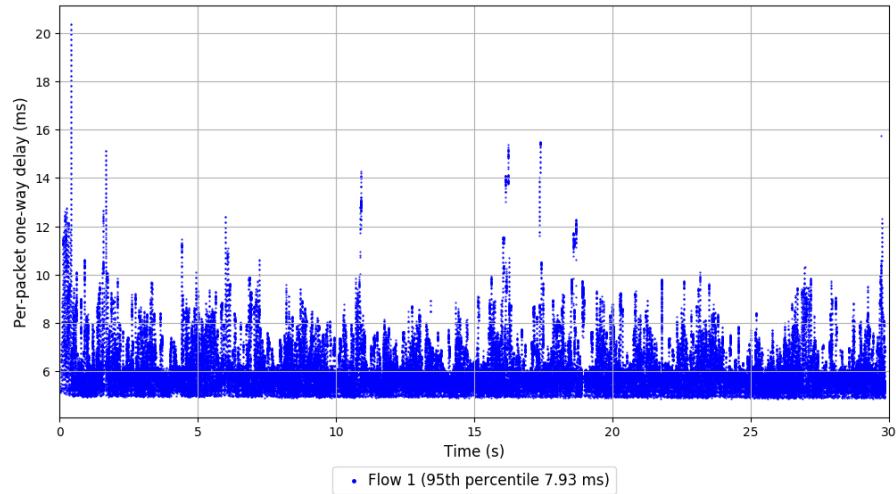
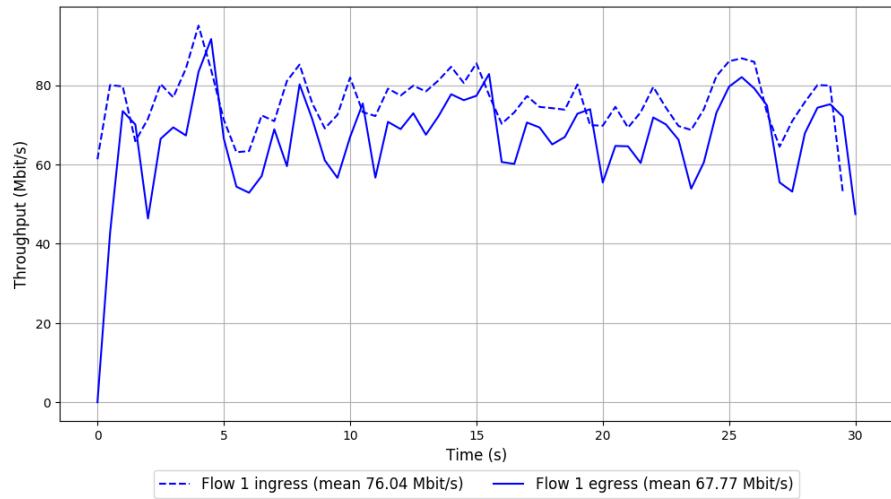


Run 2: Statistics of Indigo

```
Start at: 2019-02-19 20:32:19
End at: 2019-02-19 20:32:49
Local clock offset: 1.913 ms
Remote clock offset: -4.799 ms

# Below is generated by plot.py at 2019-02-19 21:51:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.77 Mbit/s
95th percentile per-packet one-way delay: 7.927 ms
Loss rate: 10.86%
-- Flow 1:
Average throughput: 67.77 Mbit/s
95th percentile per-packet one-way delay: 7.927 ms
Loss rate: 10.86%
```

Run 2: Report of Indigo — Data Link

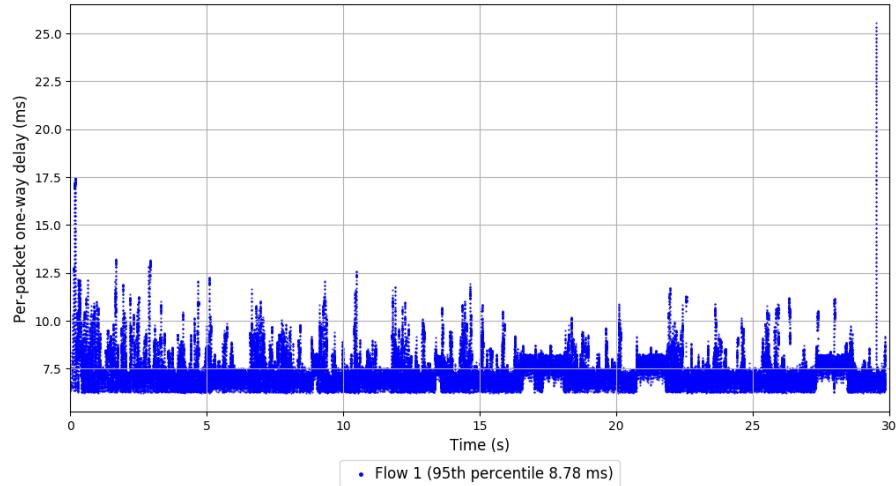
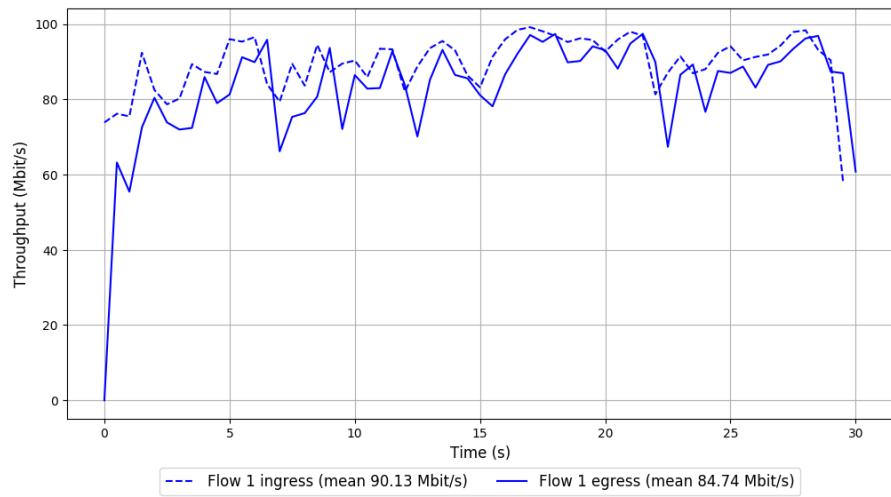


Run 3: Statistics of Indigo

```
Start at: 2019-02-19 20:56:11
End at: 2019-02-19 20:56:41
Local clock offset: 0.842 ms
Remote clock offset: -3.624 ms

# Below is generated by plot.py at 2019-02-19 21:51:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.74 Mbit/s
95th percentile per-packet one-way delay: 8.781 ms
Loss rate: 5.98%
-- Flow 1:
Average throughput: 84.74 Mbit/s
95th percentile per-packet one-way delay: 8.781 ms
Loss rate: 5.98%
```

Run 3: Report of Indigo — Data Link

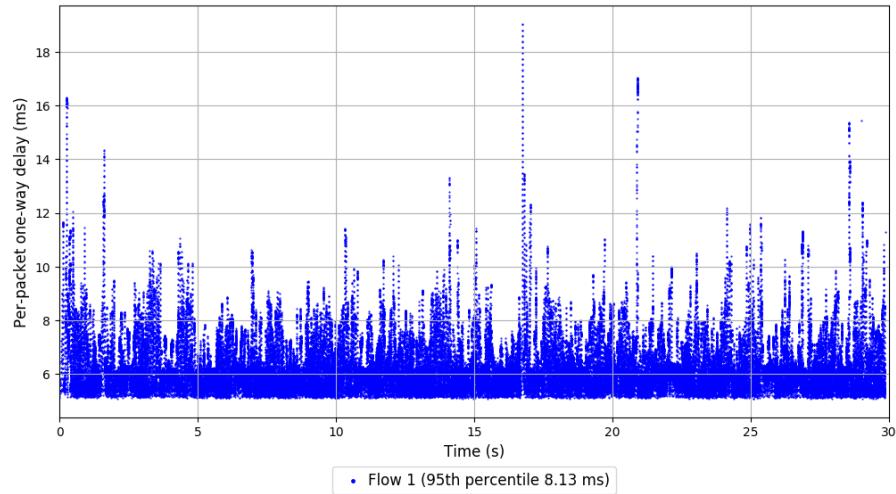
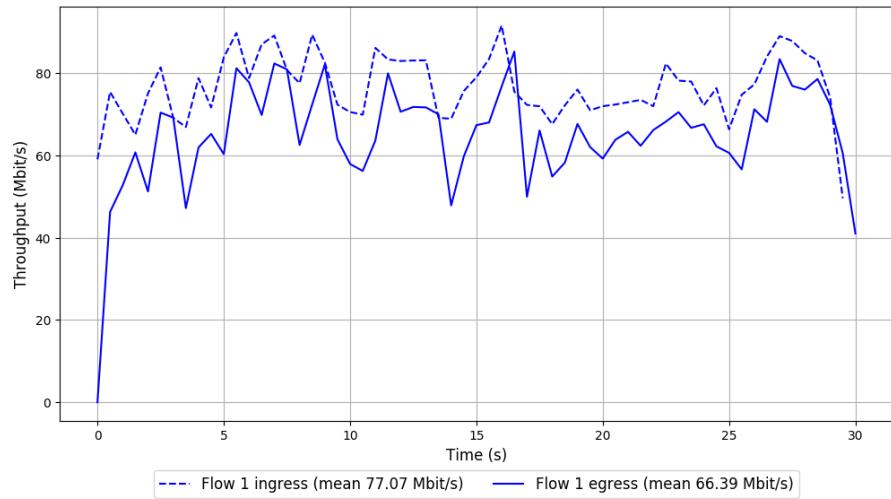


Run 4: Statistics of Indigo

```
Start at: 2019-02-19 21:19:49
End at: 2019-02-19 21:20:19
Local clock offset: -0.656 ms
Remote clock offset: -3.713 ms

# Below is generated by plot.py at 2019-02-19 21:51:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.39 Mbit/s
95th percentile per-packet one-way delay: 8.134 ms
Loss rate: 13.83%
-- Flow 1:
Average throughput: 66.39 Mbit/s
95th percentile per-packet one-way delay: 8.134 ms
Loss rate: 13.83%
```

Run 4: Report of Indigo — Data Link

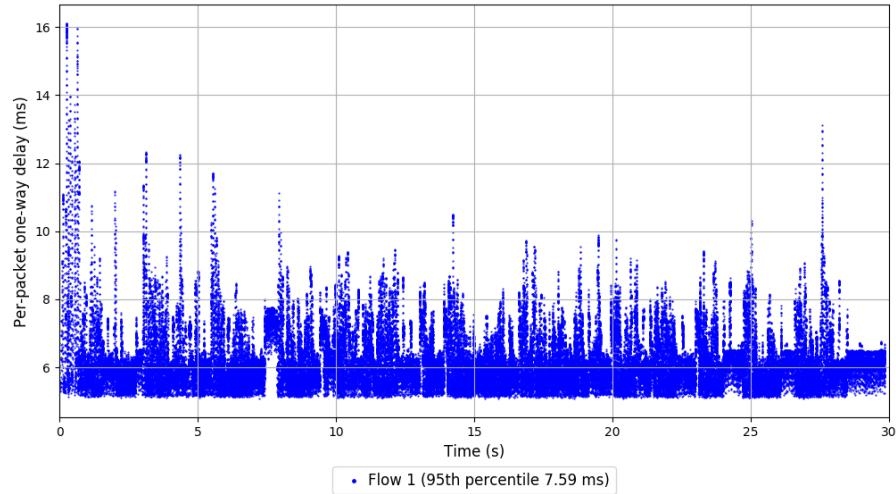
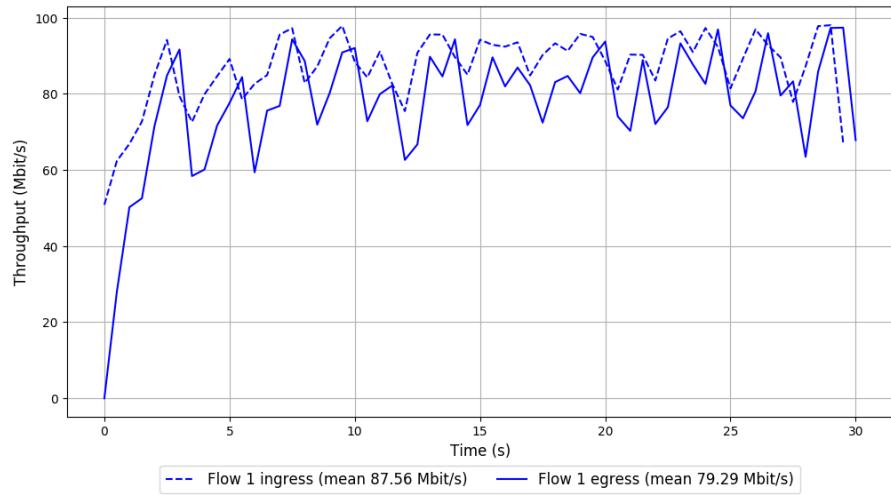


Run 5: Statistics of Indigo

```
Start at: 2019-02-19 21:43:47
End at: 2019-02-19 21:44:17
Local clock offset: -0.507 ms
Remote clock offset: -2.972 ms

# Below is generated by plot.py at 2019-02-19 21:52:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.29 Mbit/s
95th percentile per-packet one-way delay: 7.592 ms
Loss rate: 9.44%
-- Flow 1:
Average throughput: 79.29 Mbit/s
95th percentile per-packet one-way delay: 7.592 ms
Loss rate: 9.44%
```

Run 5: Report of Indigo — Data Link

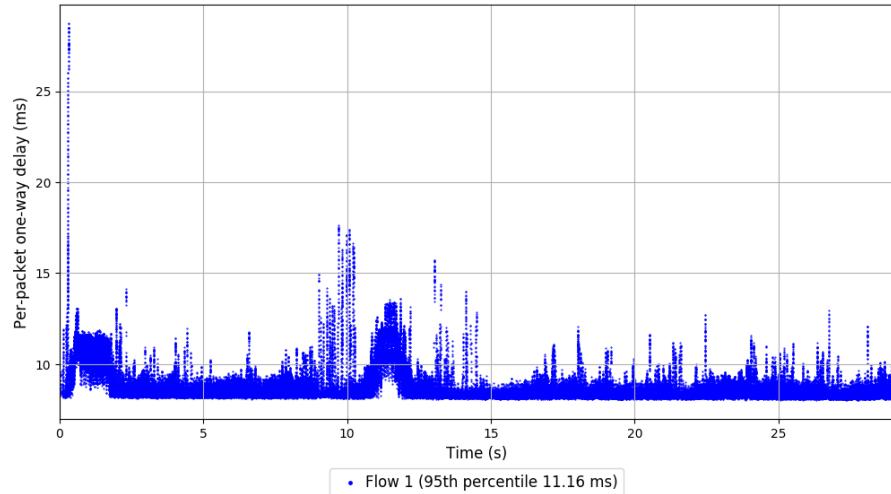
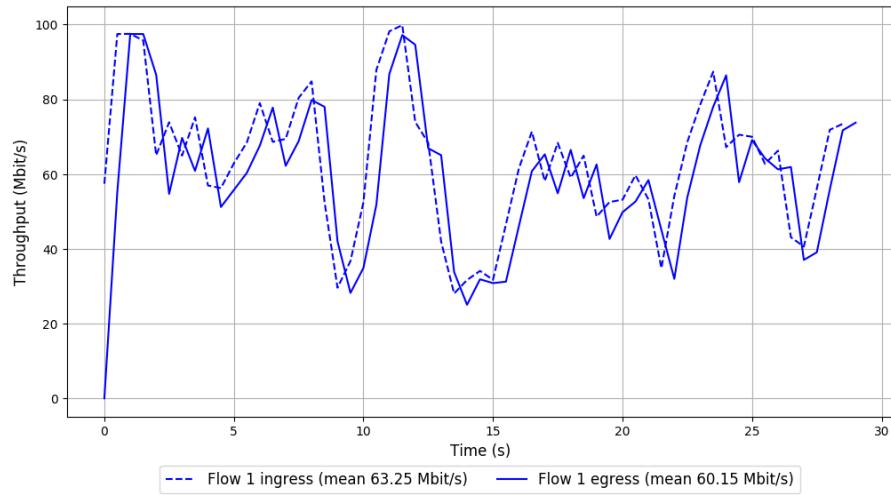


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-02-19 20:02:03
End at: 2019-02-19 20:02:33
Local clock offset: 0.494 ms
Remote clock offset: -5.145 ms

# Below is generated by plot.py at 2019-02-19 21:52:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.15 Mbit/s
95th percentile per-packet one-way delay: 11.165 ms
Loss rate: 4.91%
-- Flow 1:
Average throughput: 60.15 Mbit/s
95th percentile per-packet one-way delay: 11.165 ms
Loss rate: 4.91%
```

Run 1: Report of Indigo-MusesC3 — Data Link

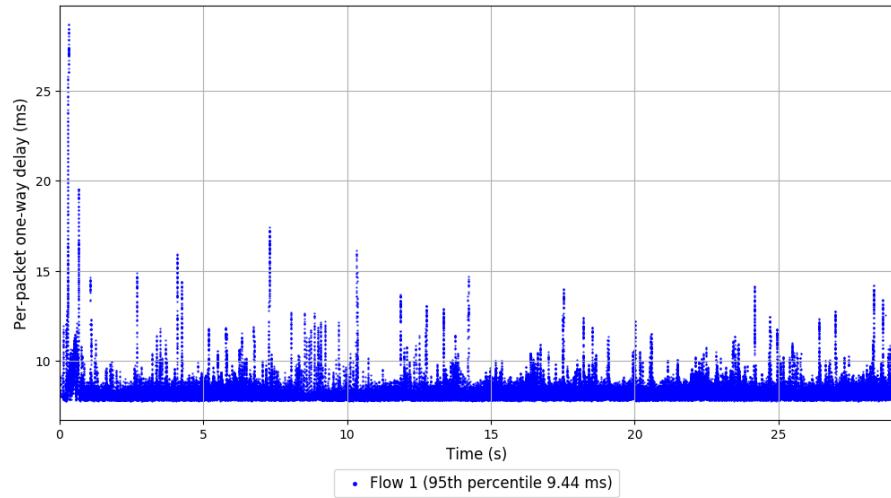
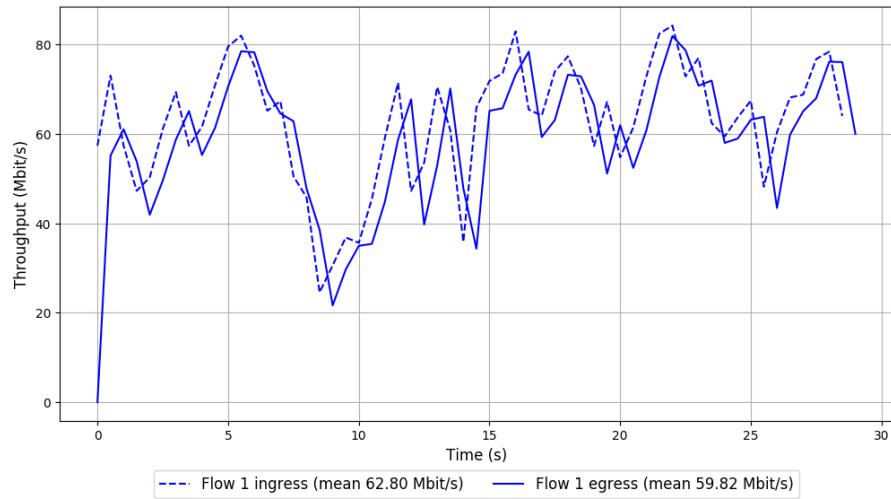


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-02-19 20:26:42
End at: 2019-02-19 20:27:12
Local clock offset: 0.595 ms
Remote clock offset: -4.37 ms

# Below is generated by plot.py at 2019-02-19 21:52:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.82 Mbit/s
95th percentile per-packet one-way delay: 9.444 ms
Loss rate: 4.75%
-- Flow 1:
Average throughput: 59.82 Mbit/s
95th percentile per-packet one-way delay: 9.444 ms
Loss rate: 4.75%
```

Run 2: Report of Indigo-MusesC3 — Data Link

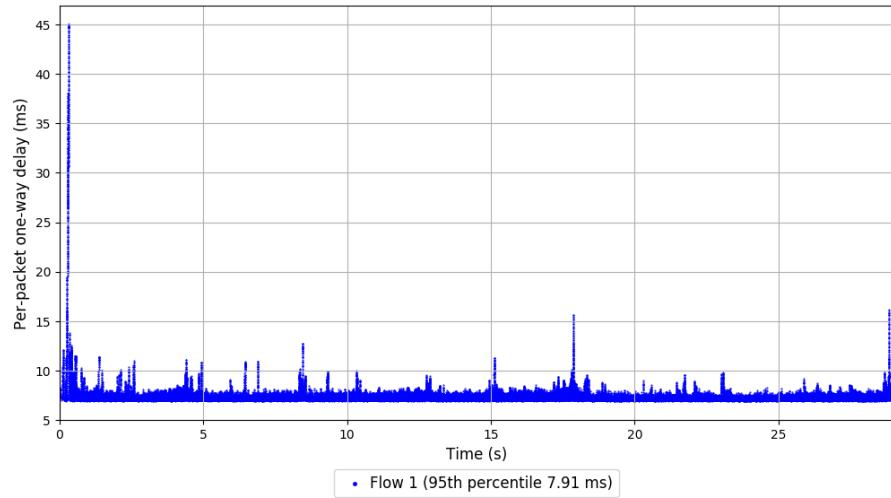
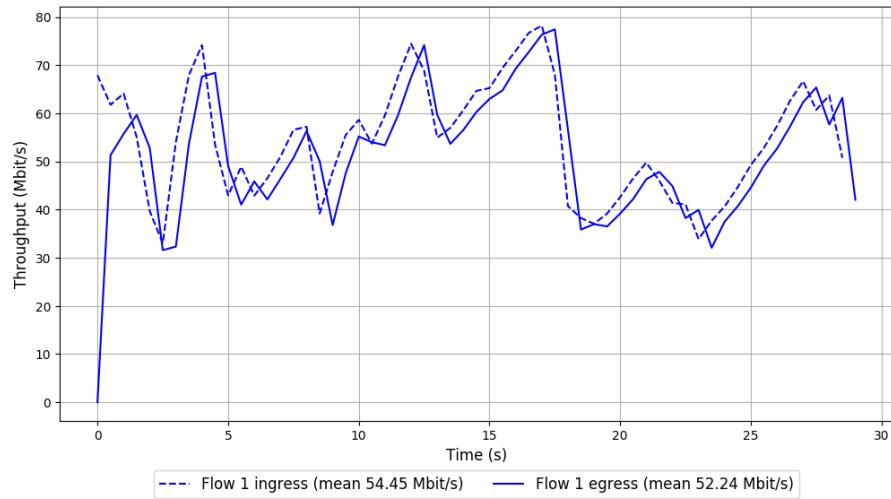


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-02-19 20:50:36
End at: 2019-02-19 20:51:06
Local clock offset: 1.107 ms
Remote clock offset: -2.686 ms

# Below is generated by plot.py at 2019-02-19 21:52:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.24 Mbit/s
95th percentile per-packet one-way delay: 7.913 ms
Loss rate: 4.06%
-- Flow 1:
Average throughput: 52.24 Mbit/s
95th percentile per-packet one-way delay: 7.913 ms
Loss rate: 4.06%
```

Run 3: Report of Indigo-MusesC3 — Data Link

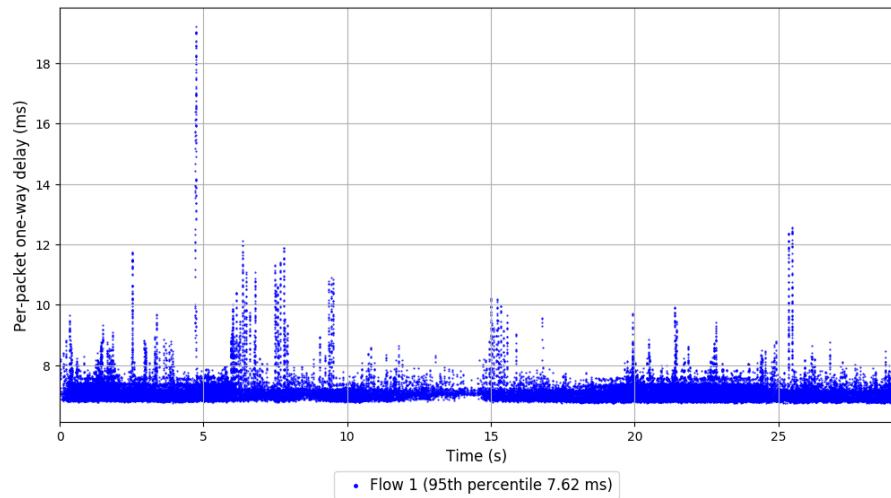
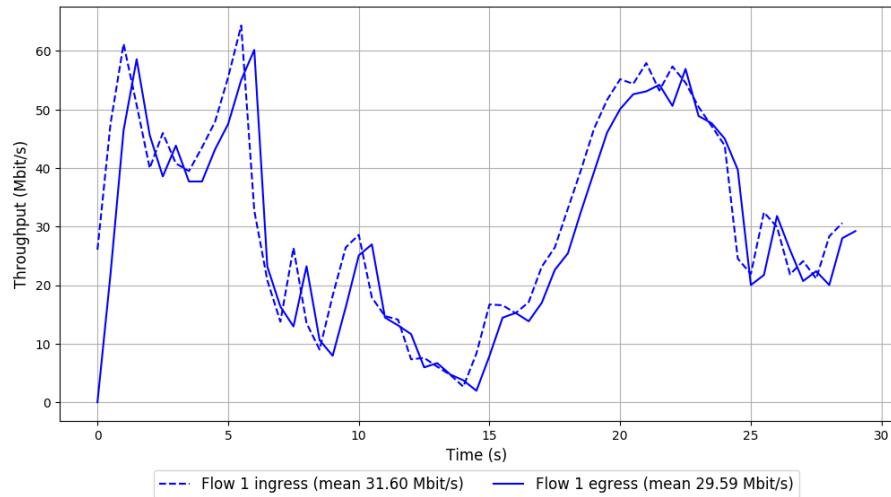


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-02-19 21:14:13
End at: 2019-02-19 21:14:43
Local clock offset: 0.185 ms
Remote clock offset: -1.589 ms

# Below is generated by plot.py at 2019-02-19 21:52:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.59 Mbit/s
95th percentile per-packet one-way delay: 7.623 ms
Loss rate: 6.38%
-- Flow 1:
Average throughput: 29.59 Mbit/s
95th percentile per-packet one-way delay: 7.623 ms
Loss rate: 6.38%
```

Run 4: Report of Indigo-MusesC3 — Data Link

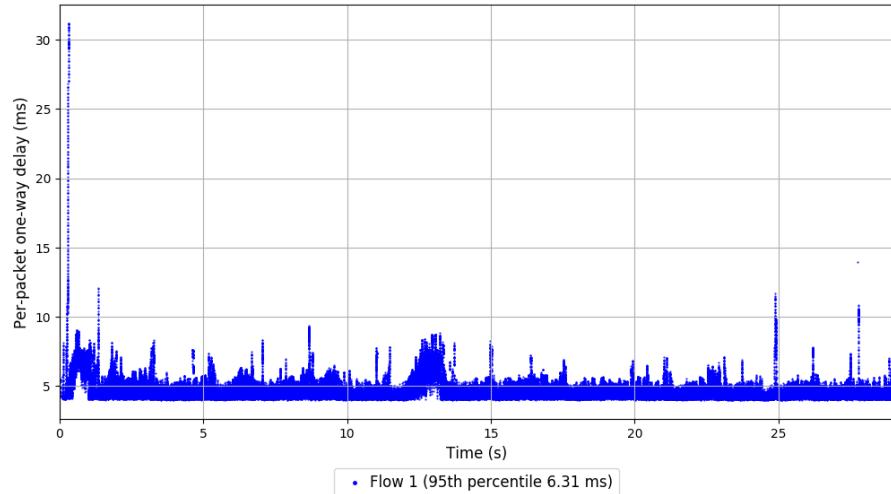
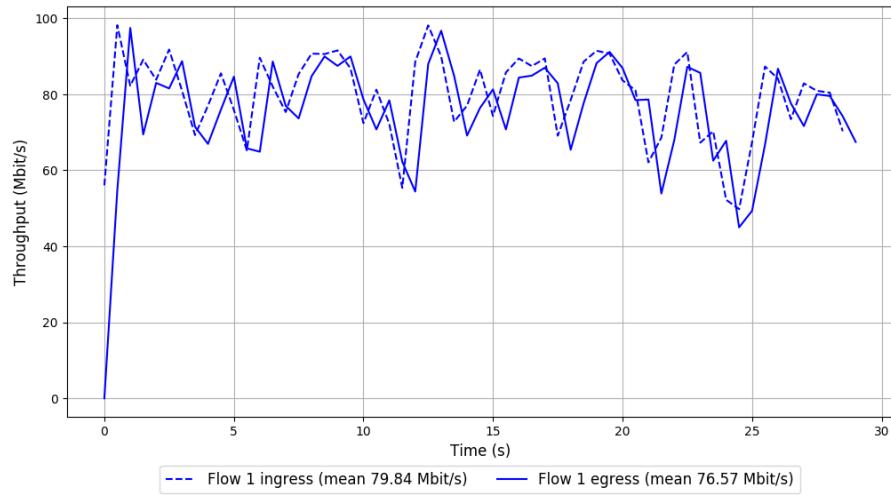


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-02-19 21:38:13
End at: 2019-02-19 21:38:43
Local clock offset: -0.148 ms
Remote clock offset: -3.834 ms

# Below is generated by plot.py at 2019-02-19 21:52:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.57 Mbit/s
95th percentile per-packet one-way delay: 6.308 ms
Loss rate: 4.10%
-- Flow 1:
Average throughput: 76.57 Mbit/s
95th percentile per-packet one-way delay: 6.308 ms
Loss rate: 4.10%
```

Run 5: Report of Indigo-MusesC3 — Data Link

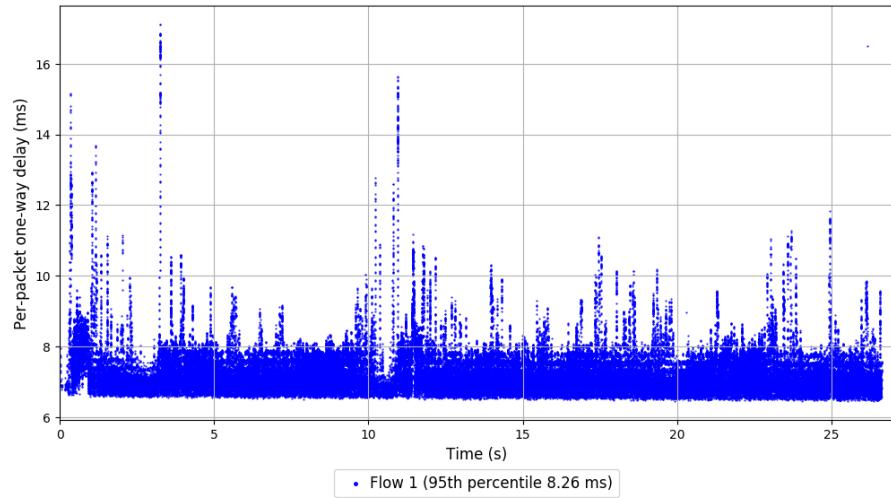
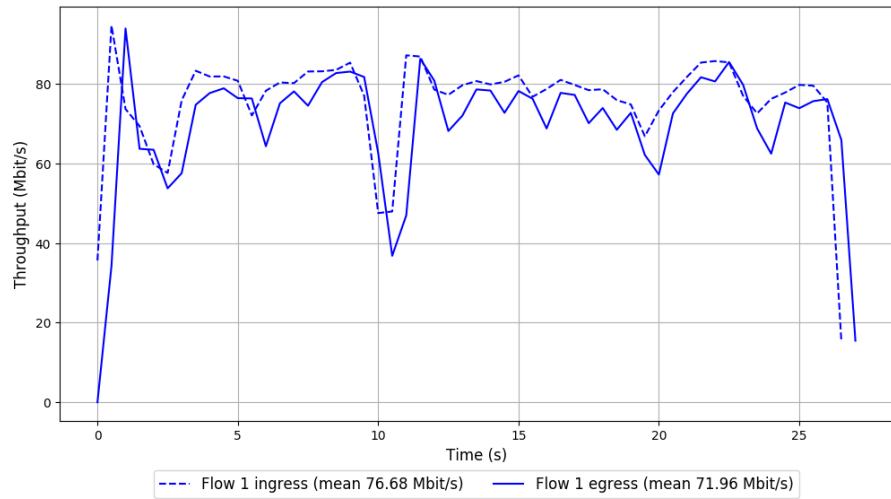


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-02-19 20:00:53
End at: 2019-02-19 20:01:23
Local clock offset: 3.502 ms
Remote clock offset: -3.894 ms

# Below is generated by plot.py at 2019-02-19 21:52:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.96 Mbit/s
95th percentile per-packet one-way delay: 8.258 ms
Loss rate: 6.16%
-- Flow 1:
Average throughput: 71.96 Mbit/s
95th percentile per-packet one-way delay: 8.258 ms
Loss rate: 6.16%
```

Run 1: Report of Indigo-MusesC5 — Data Link

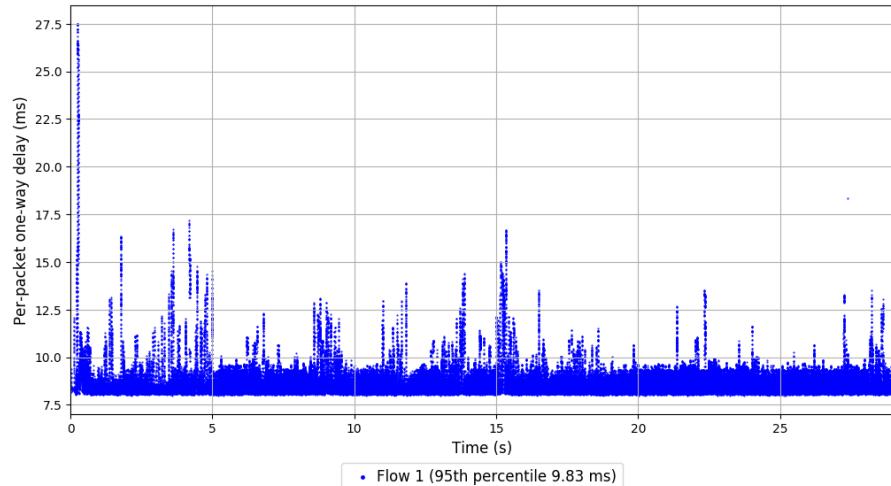
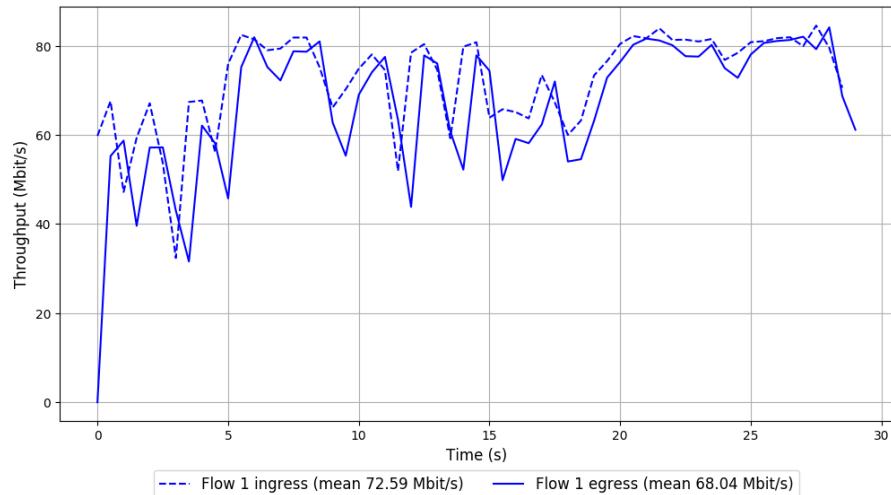


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-02-19 20:25:31
End at: 2019-02-19 20:26:01
Local clock offset: 0.154 ms
Remote clock offset: -4.626 ms

# Below is generated by plot.py at 2019-02-19 21:52:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.04 Mbit/s
95th percentile per-packet one-way delay: 9.827 ms
Loss rate: 6.27%
-- Flow 1:
Average throughput: 68.04 Mbit/s
95th percentile per-packet one-way delay: 9.827 ms
Loss rate: 6.27%
```

Run 2: Report of Indigo-MusesC5 — Data Link

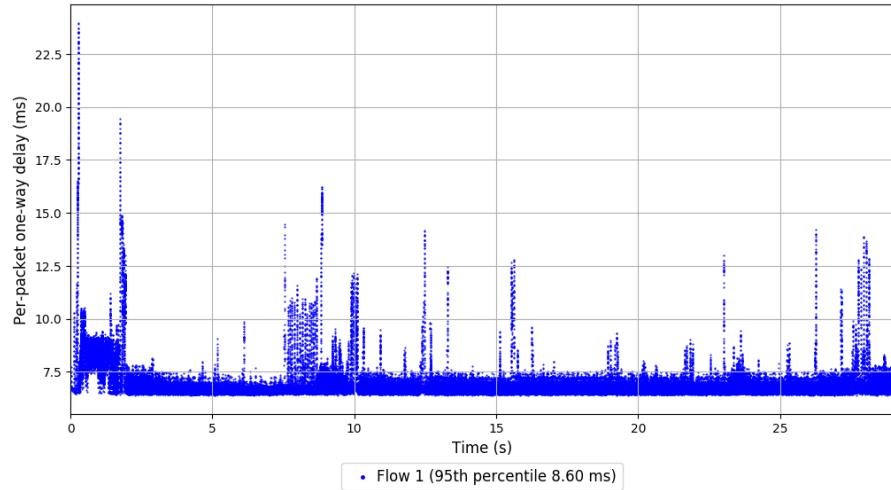
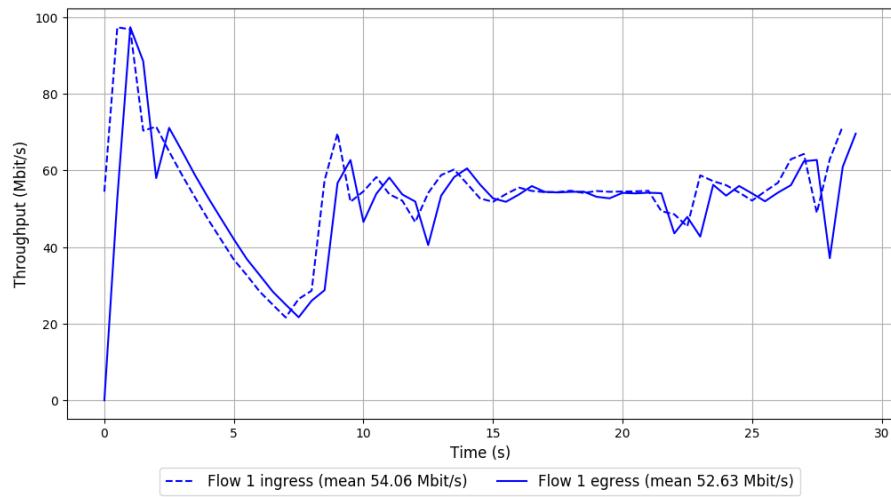


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-02-19 20:49:28
End at: 2019-02-19 20:49:58
Local clock offset: 2.453 ms
Remote clock offset: -1.885 ms

# Below is generated by plot.py at 2019-02-19 21:52:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.63 Mbit/s
95th percentile per-packet one-way delay: 8.597 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 52.63 Mbit/s
95th percentile per-packet one-way delay: 8.597 ms
Loss rate: 2.66%
```

Run 3: Report of Indigo-MusesC5 — Data Link

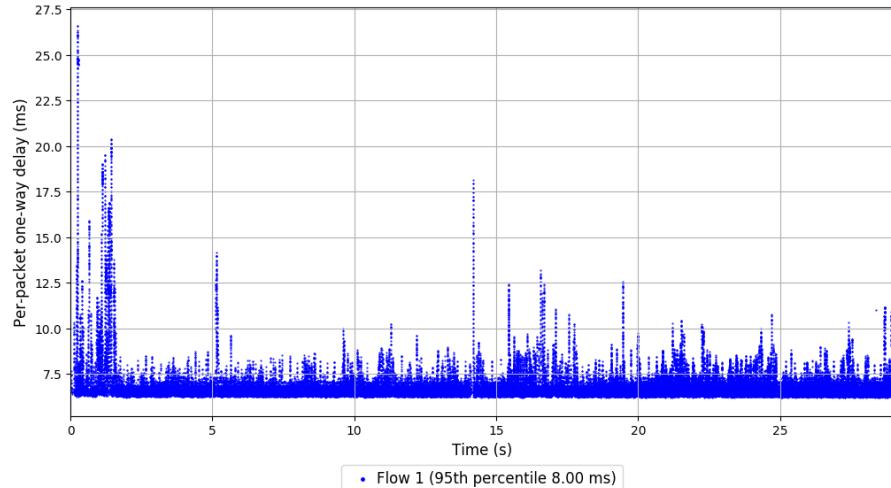
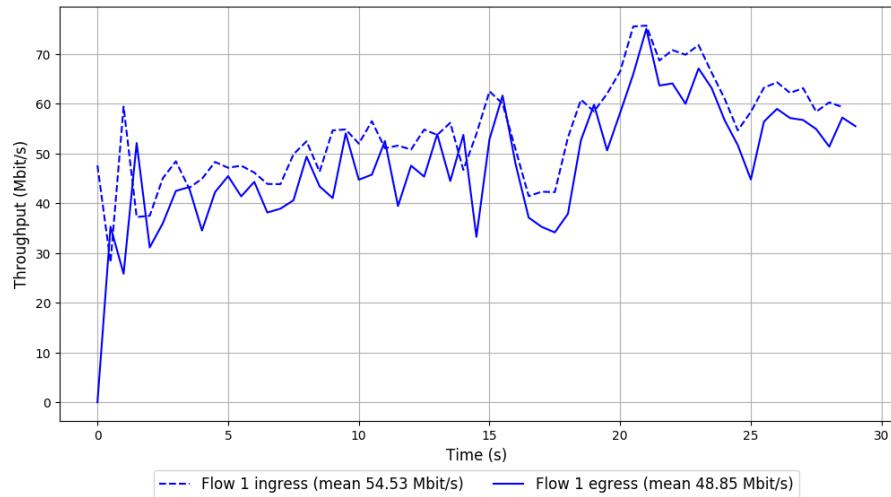


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-02-19 21:13:05
End at: 2019-02-19 21:13:35
Local clock offset: -1.699 ms
Remote clock offset: -3.99 ms

# Below is generated by plot.py at 2019-02-19 21:52:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.85 Mbit/s
95th percentile per-packet one-way delay: 7.998 ms
Loss rate: 10.42%
-- Flow 1:
Average throughput: 48.85 Mbit/s
95th percentile per-packet one-way delay: 7.998 ms
Loss rate: 10.42%
```

Run 4: Report of Indigo-MusesC5 — Data Link

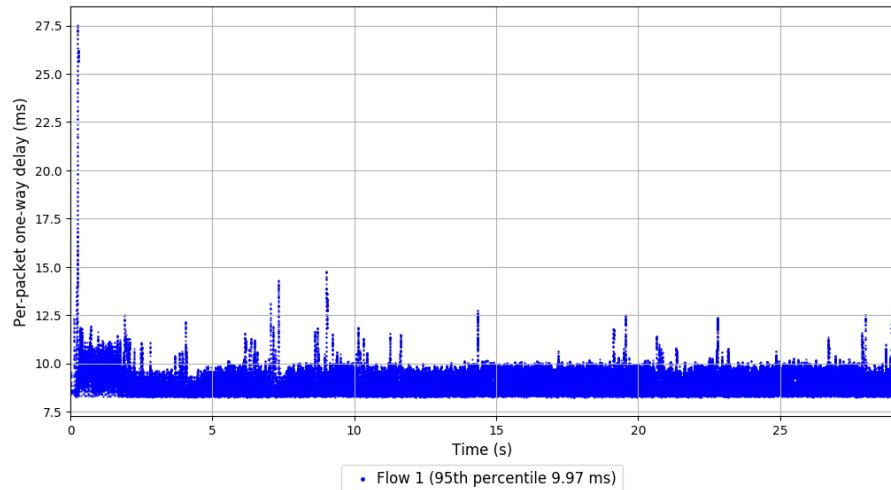
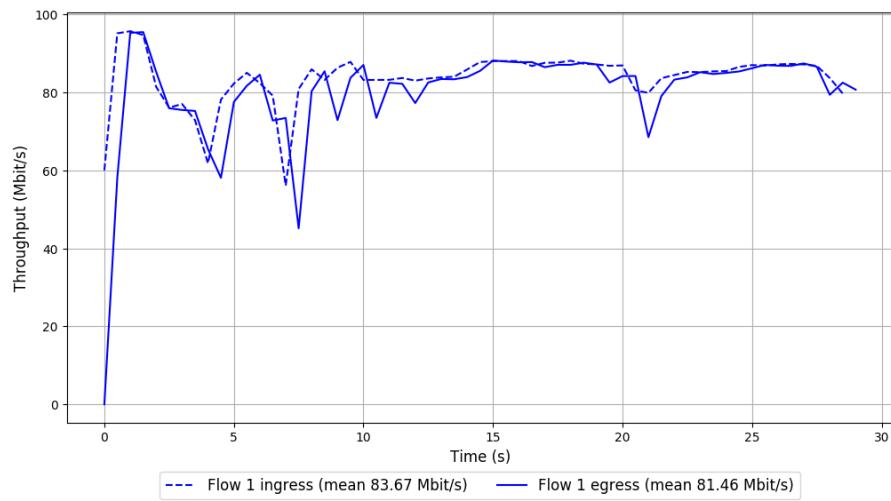


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-02-19 21:37:04
End at: 2019-02-19 21:37:34
Local clock offset: -2.763 ms
Remote clock offset: -2.207 ms

# Below is generated by plot.py at 2019-02-19 21:53:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.46 Mbit/s
95th percentile per-packet one-way delay: 9.972 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 81.46 Mbit/s
95th percentile per-packet one-way delay: 9.972 ms
Loss rate: 2.65%
```

Run 5: Report of Indigo-MusesC5 — Data Link

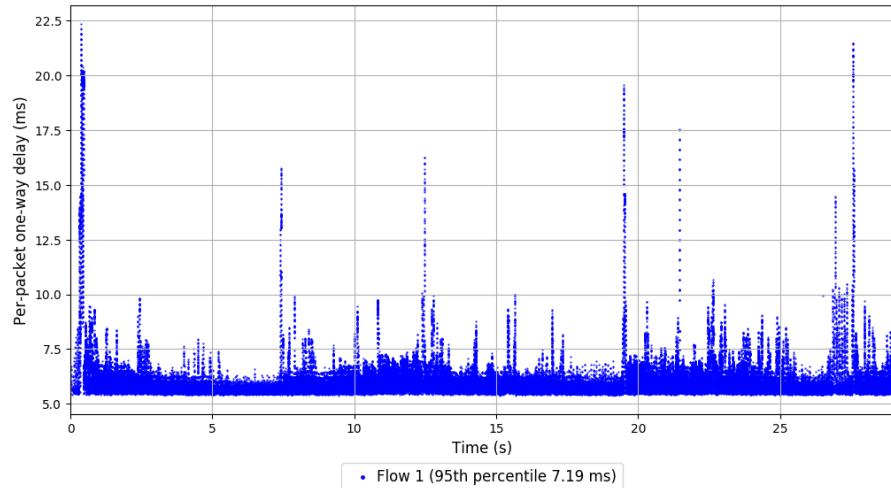
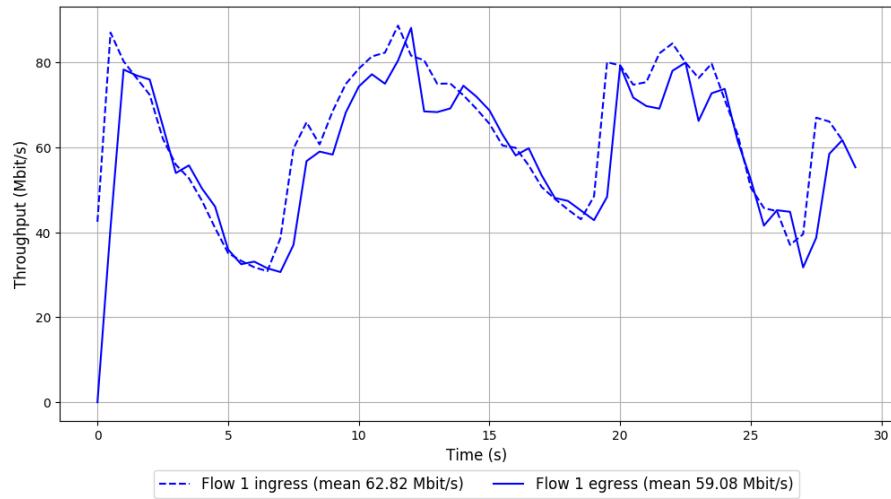


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-02-19 20:11:29
End at: 2019-02-19 20:11:59
Local clock offset: 2.585 ms
Remote clock offset: -4.732 ms

# Below is generated by plot.py at 2019-02-19 21:53:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.08 Mbit/s
95th percentile per-packet one-way delay: 7.186 ms
Loss rate: 5.95%
-- Flow 1:
Average throughput: 59.08 Mbit/s
95th percentile per-packet one-way delay: 7.186 ms
Loss rate: 5.95%
```

Run 1: Report of Indigo-MusesD — Data Link

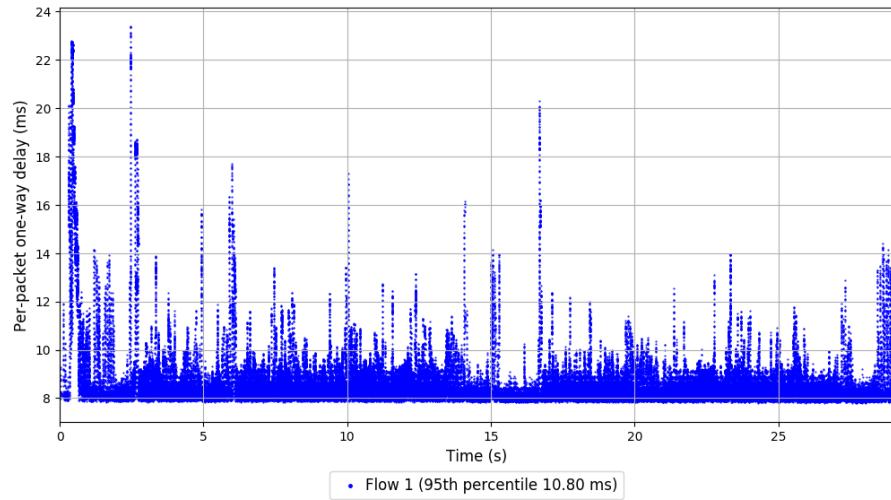
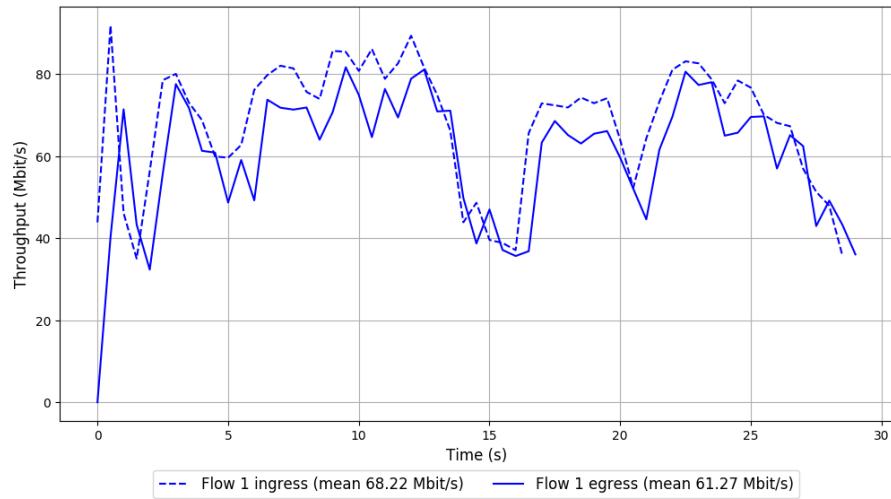


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-02-19 20:35:52
End at: 2019-02-19 20:36:22
Local clock offset: -1.158 ms
Remote clock offset: -5.097 ms

# Below is generated by plot.py at 2019-02-19 21:53:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.27 Mbit/s
95th percentile per-packet one-way delay: 10.803 ms
Loss rate: 10.19%
-- Flow 1:
Average throughput: 61.27 Mbit/s
95th percentile per-packet one-way delay: 10.803 ms
Loss rate: 10.19%
```

Run 2: Report of Indigo-MusesD — Data Link

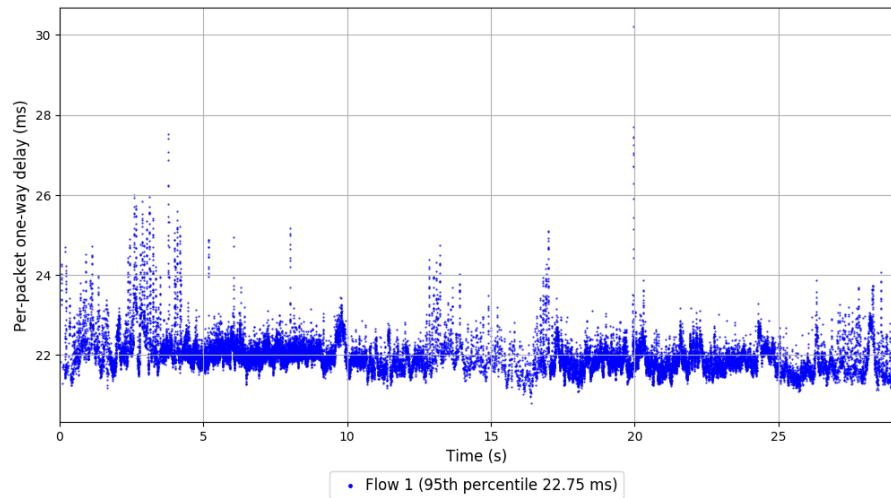
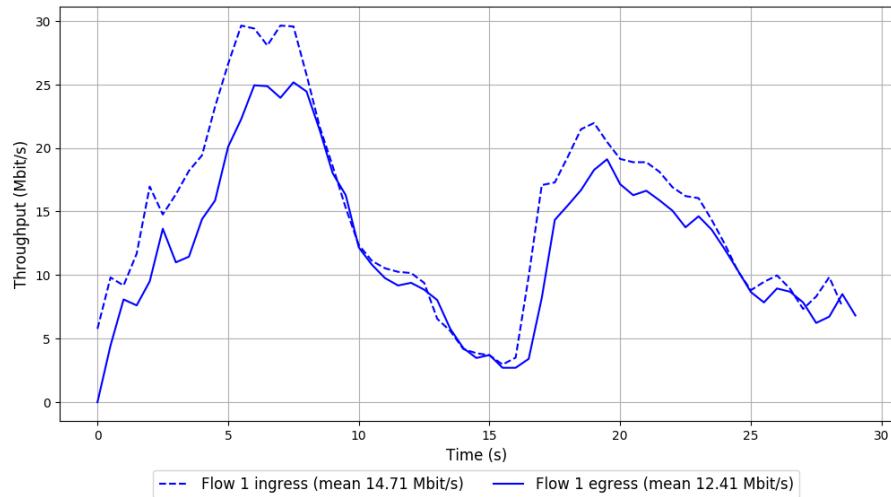


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-02-19 20:59:34
End at: 2019-02-19 21:00:04
Local clock offset: 0.396 ms
Remote clock offset: -15.86 ms

# Below is generated by plot.py at 2019-02-19 21:53:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.41 Mbit/s
95th percentile per-packet one-way delay: 22.745 ms
Loss rate: 15.63%
-- Flow 1:
Average throughput: 12.41 Mbit/s
95th percentile per-packet one-way delay: 22.745 ms
Loss rate: 15.63%
```

Run 3: Report of Indigo-MusesD — Data Link

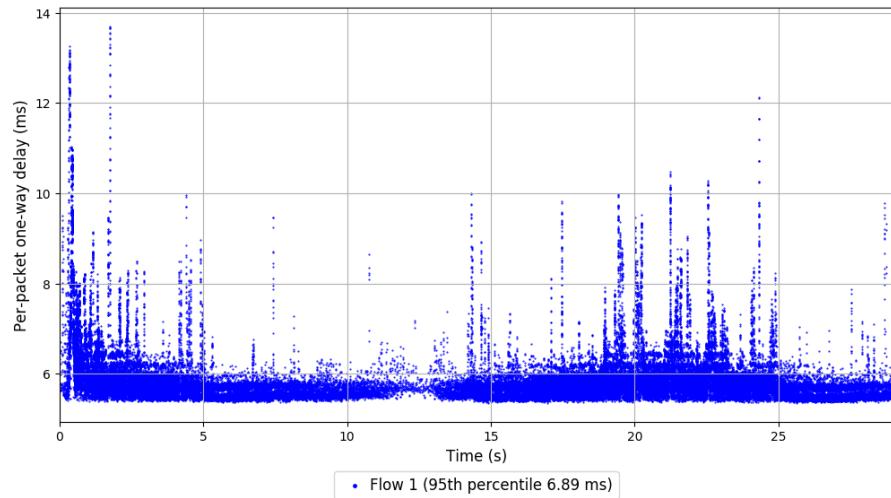
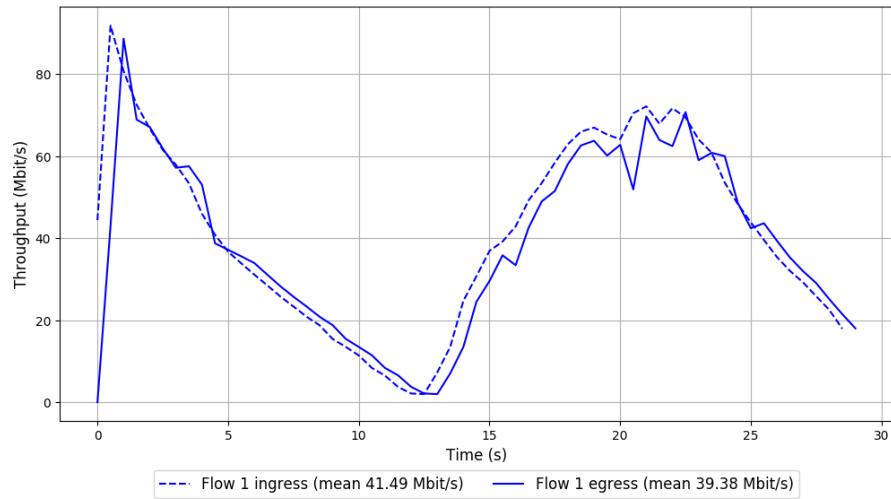


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-02-19 21:23:18
End at: 2019-02-19 21:23:48
Local clock offset: -1.998 ms
Remote clock offset: -3.965 ms

# Below is generated by plot.py at 2019-02-19 21:53:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.38 Mbit/s
95th percentile per-packet one-way delay: 6.887 ms
Loss rate: 5.09%
-- Flow 1:
Average throughput: 39.38 Mbit/s
95th percentile per-packet one-way delay: 6.887 ms
Loss rate: 5.09%
```

Run 4: Report of Indigo-MusesD — Data Link

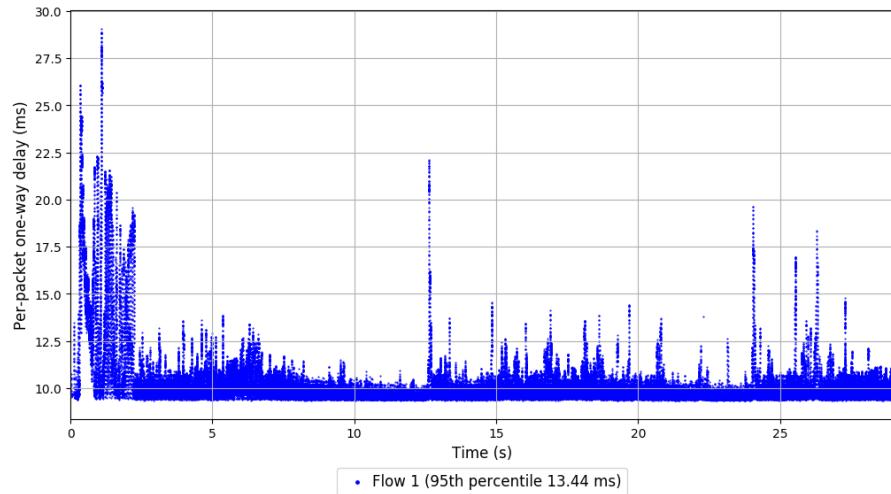
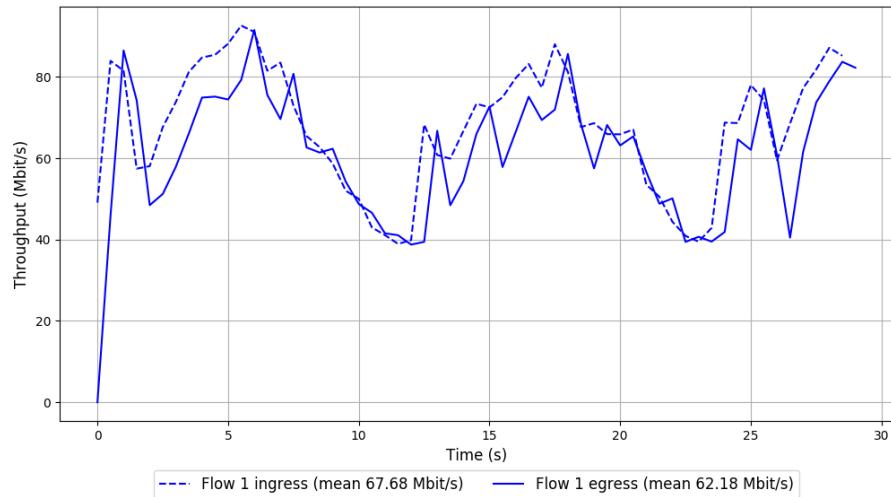


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-02-19 21:47:10
End at: 2019-02-19 21:47:40
Local clock offset: -3.733 ms
Remote clock offset: -1.838 ms

# Below is generated by plot.py at 2019-02-19 21:53:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.18 Mbit/s
95th percentile per-packet one-way delay: 13.442 ms
Loss rate: 8.12%
-- Flow 1:
Average throughput: 62.18 Mbit/s
95th percentile per-packet one-way delay: 13.442 ms
Loss rate: 8.12%
```

Run 5: Report of Indigo-MusesD — Data Link

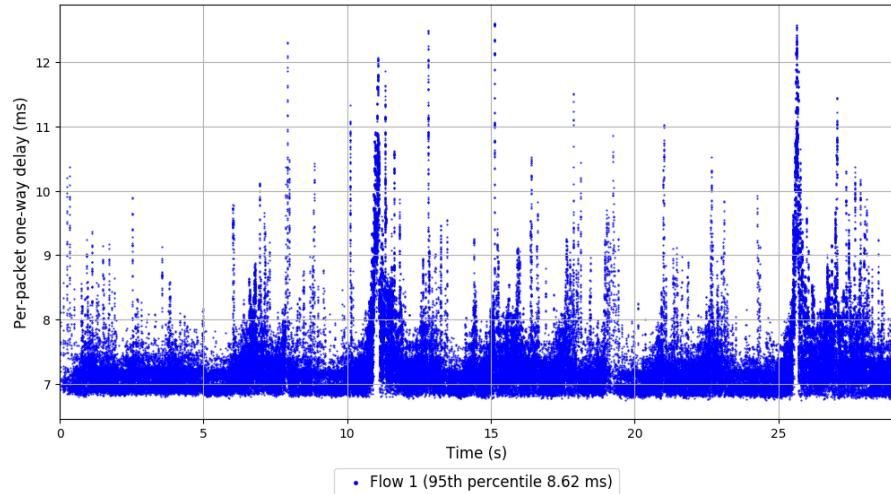
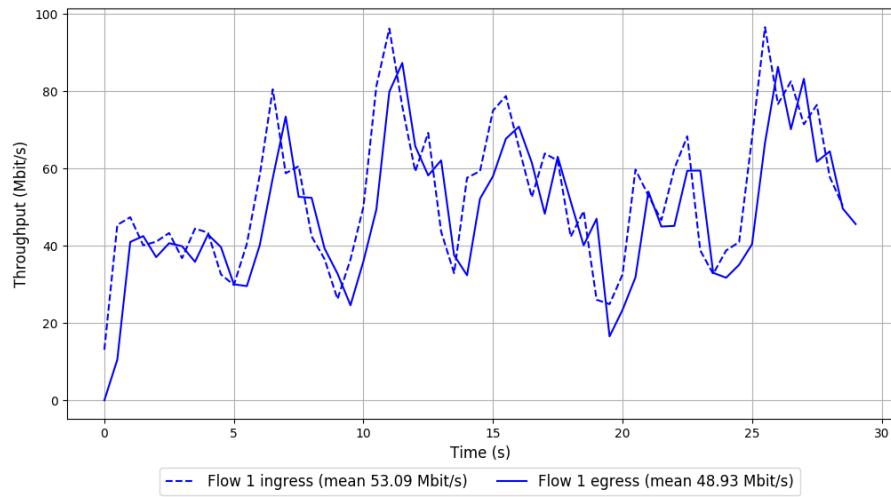


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-02-19 20:06:40
End at: 2019-02-19 20:07:11
Local clock offset: 2.764 ms
Remote clock offset: -3.269 ms

# Below is generated by plot.py at 2019-02-19 21:53:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.93 Mbit/s
95th percentile per-packet one-way delay: 8.622 ms
Loss rate: 7.83%
-- Flow 1:
Average throughput: 48.93 Mbit/s
95th percentile per-packet one-way delay: 8.622 ms
Loss rate: 7.83%
```

Run 1: Report of Indigo-MusesT — Data Link

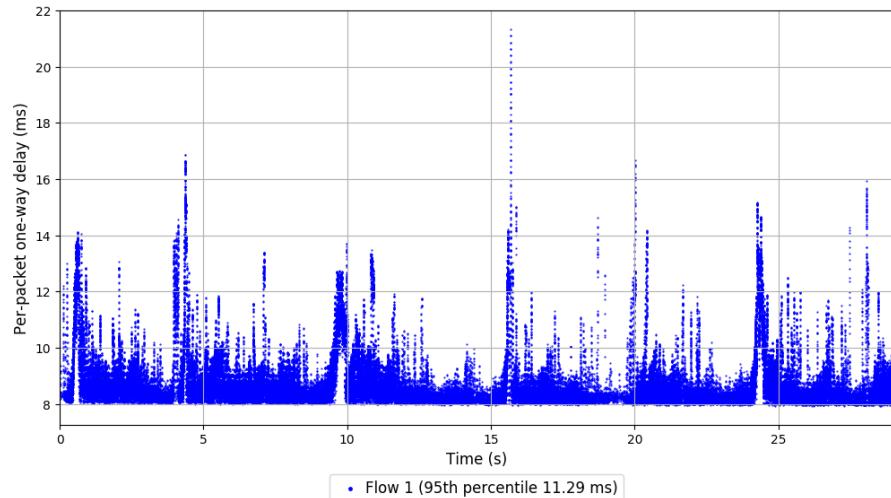
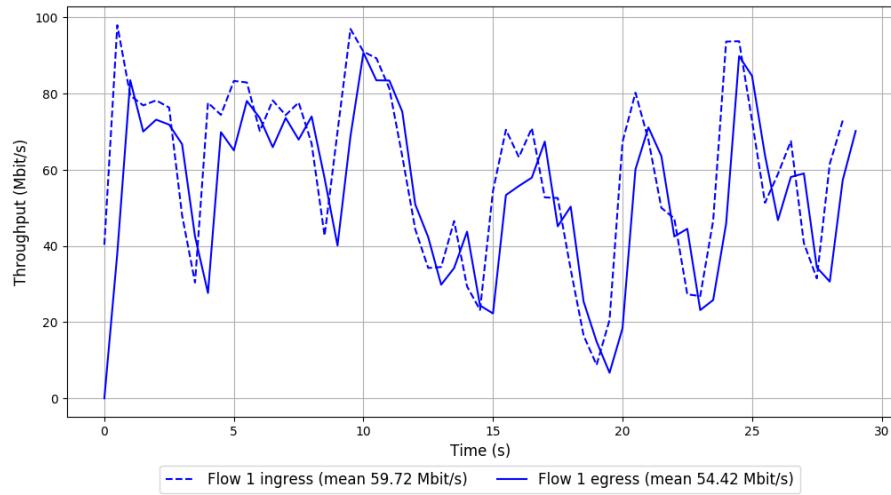


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-02-19 20:31:09
End at: 2019-02-19 20:31:39
Local clock offset: 1.365 ms
Remote clock offset: -3.129 ms

# Below is generated by plot.py at 2019-02-19 21:53:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.42 Mbit/s
95th percentile per-packet one-way delay: 11.285 ms
Loss rate: 8.87%
-- Flow 1:
Average throughput: 54.42 Mbit/s
95th percentile per-packet one-way delay: 11.285 ms
Loss rate: 8.87%
```

Run 2: Report of Indigo-MusesT — Data Link

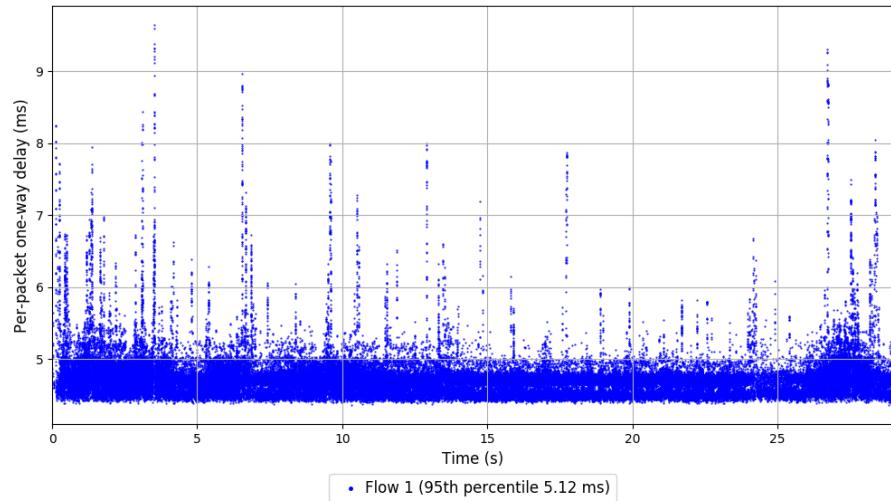
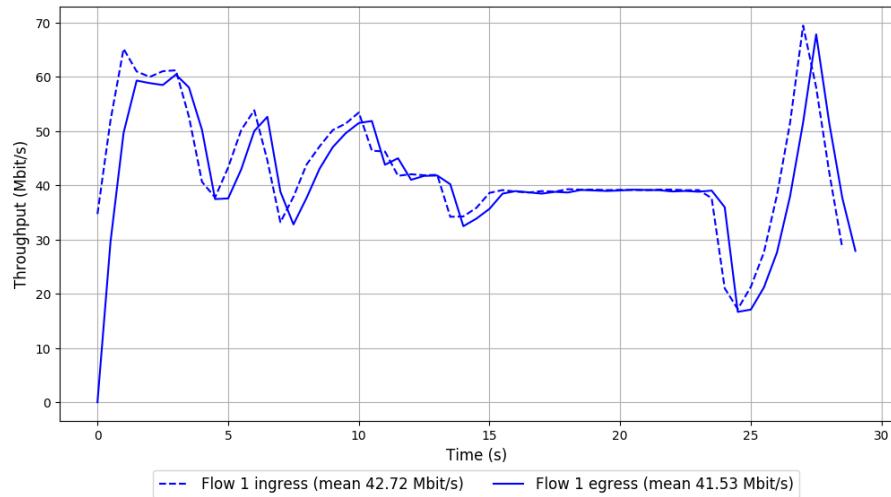


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-02-19 20:55:03
End at: 2019-02-19 20:55:33
Local clock offset: 2.56 ms
Remote clock offset: -3.74 ms

# Below is generated by plot.py at 2019-02-19 21:53:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.53 Mbit/s
95th percentile per-packet one-way delay: 5.122 ms
Loss rate: 2.78%
-- Flow 1:
Average throughput: 41.53 Mbit/s
95th percentile per-packet one-way delay: 5.122 ms
Loss rate: 2.78%
```

Run 3: Report of Indigo-MusesT — Data Link

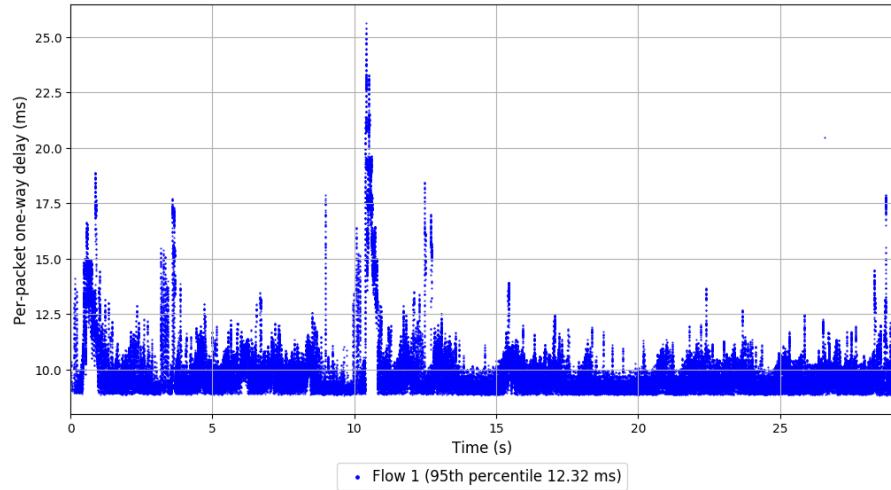
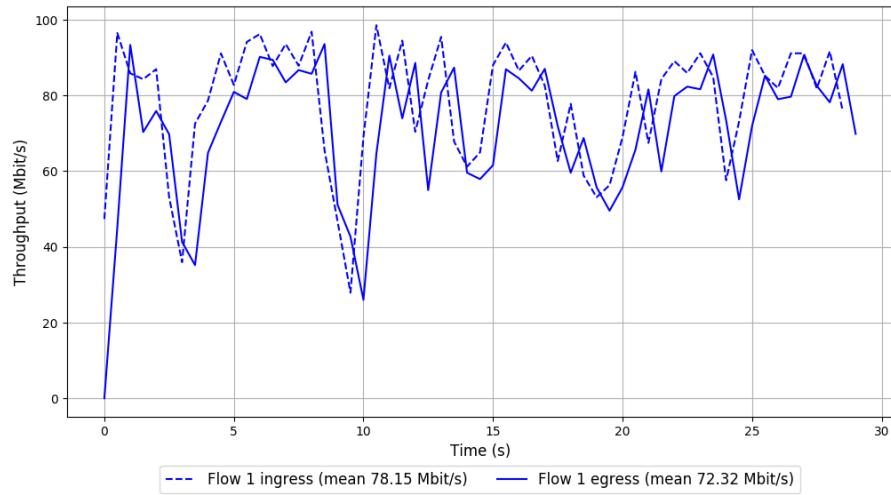


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-02-19 21:18:39
End at: 2019-02-19 21:19:09
Local clock offset: -2.756 ms
Remote clock offset: -2.012 ms

# Below is generated by plot.py at 2019-02-19 21:53:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.32 Mbit/s
95th percentile per-packet one-way delay: 12.324 ms
Loss rate: 7.46%
-- Flow 1:
Average throughput: 72.32 Mbit/s
95th percentile per-packet one-way delay: 12.324 ms
Loss rate: 7.46%
```

Run 4: Report of Indigo-MusesT — Data Link

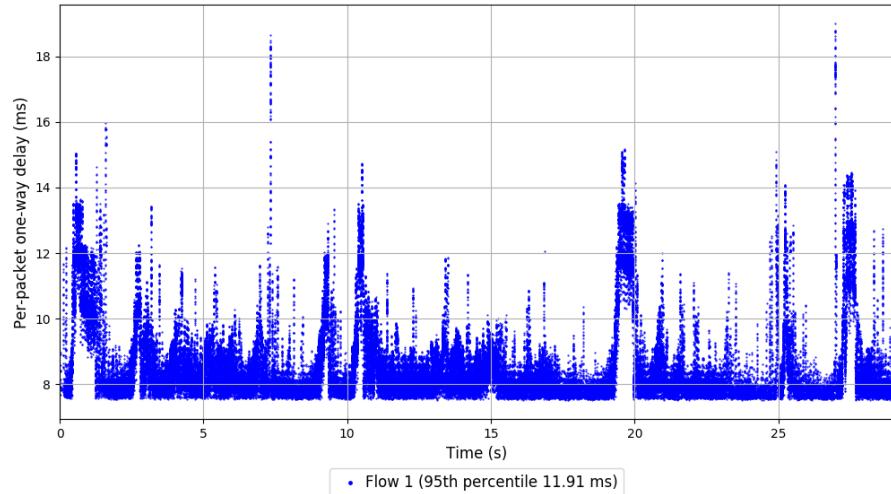
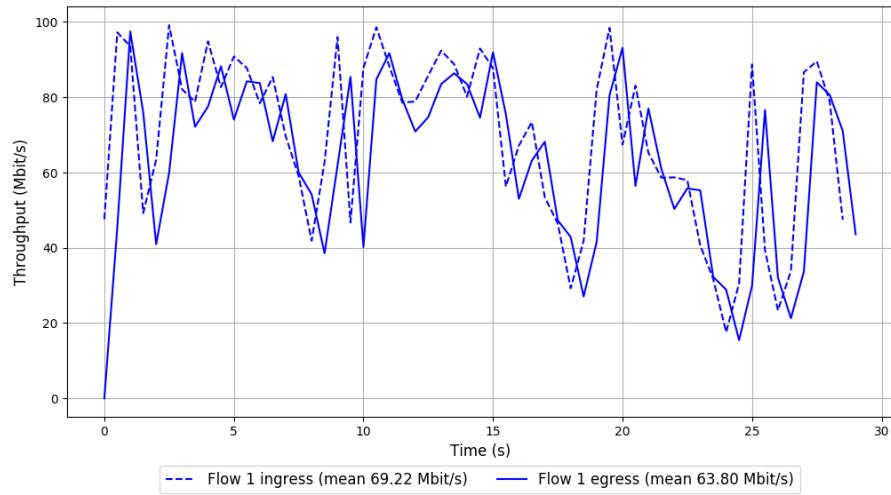


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-02-19 21:42:38
End at: 2019-02-19 21:43:09
Local clock offset: -2.71 ms
Remote clock offset: -2.822 ms

# Below is generated by plot.py at 2019-02-19 21:53:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.80 Mbit/s
95th percentile per-packet one-way delay: 11.913 ms
Loss rate: 7.84%
-- Flow 1:
Average throughput: 63.80 Mbit/s
95th percentile per-packet one-way delay: 11.913 ms
Loss rate: 7.84%
```

Run 5: Report of Indigo-MusesT — Data Link

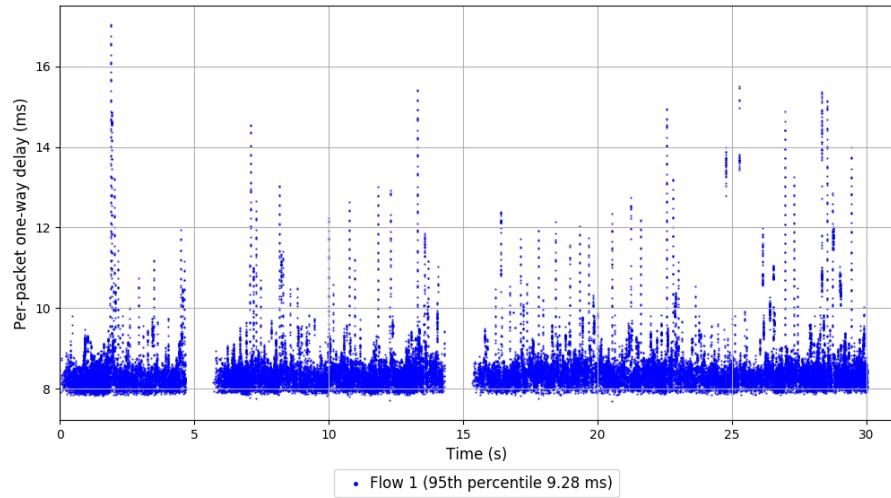
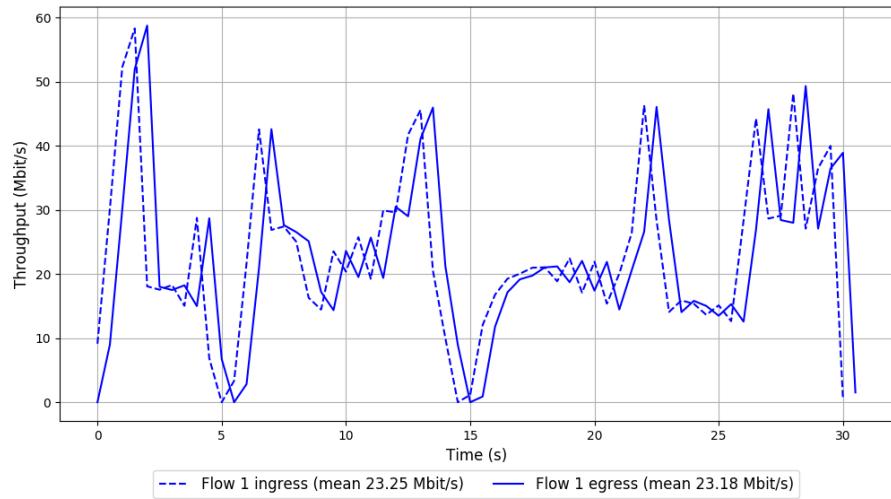


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2019-02-19 19:56:15
End at: 2019-02-19 19:56:45
Local clock offset: 3.606 ms
Remote clock offset: -2.694 ms

# Below is generated by plot.py at 2019-02-19 21:53:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.18 Mbit/s
95th percentile per-packet one-way delay: 9.279 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 23.18 Mbit/s
95th percentile per-packet one-way delay: 9.279 ms
Loss rate: 0.28%
```

Run 1: Report of LEDBAT — Data Link

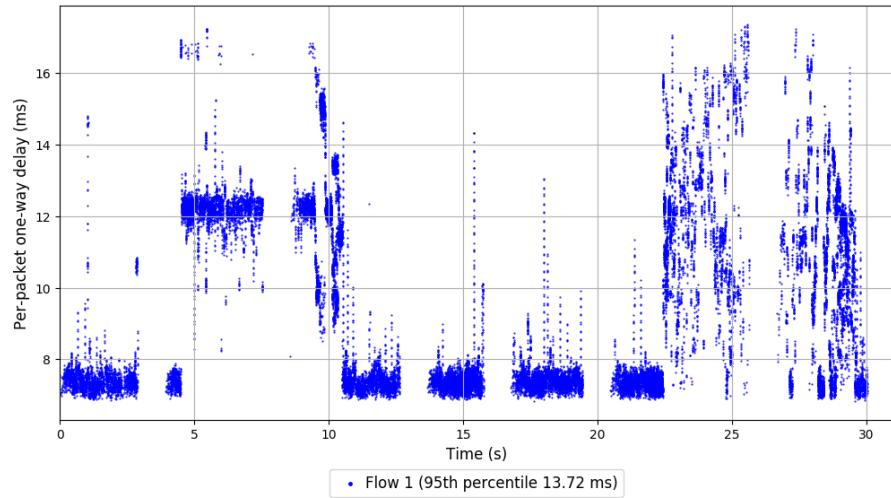
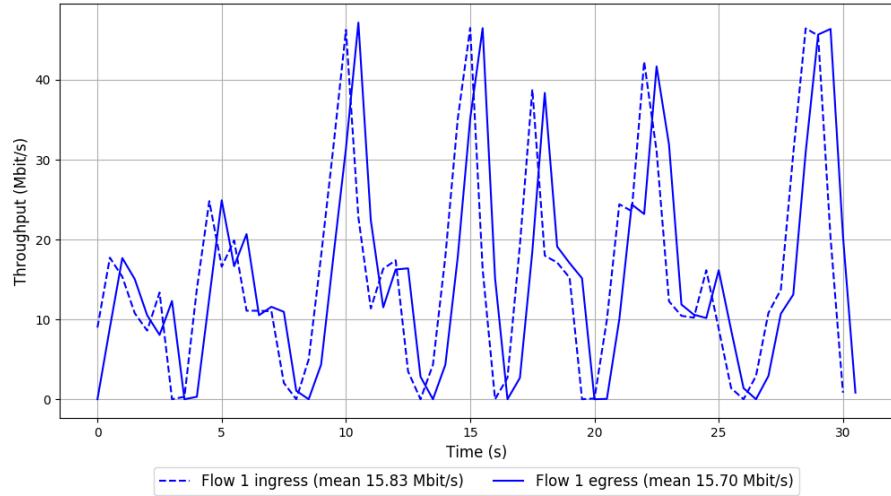


Run 2: Statistics of LEDBAT

```
Start at: 2019-02-19 20:21:00
End at: 2019-02-19 20:21:30
Local clock offset: 2.428 ms
Remote clock offset: -3.472 ms

# Below is generated by plot.py at 2019-02-19 21:53:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.70 Mbit/s
95th percentile per-packet one-way delay: 13.723 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 15.70 Mbit/s
95th percentile per-packet one-way delay: 13.723 ms
Loss rate: 0.82%
```

Run 2: Report of LEDBAT — Data Link

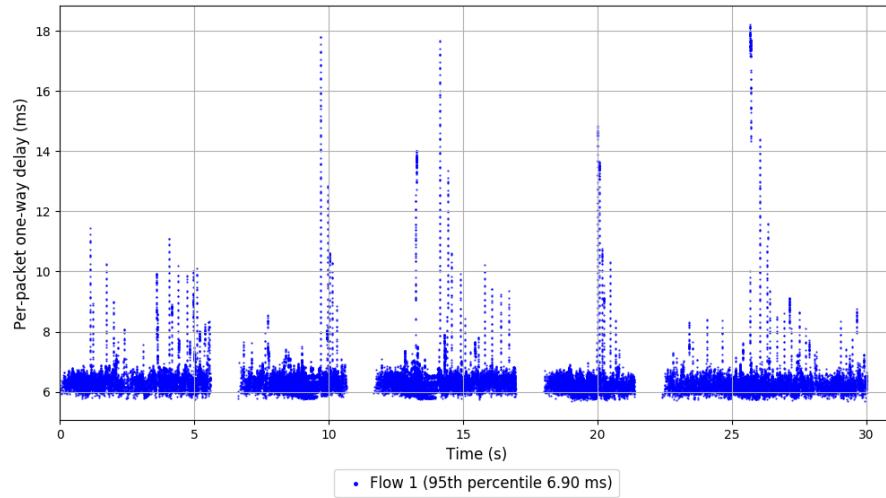
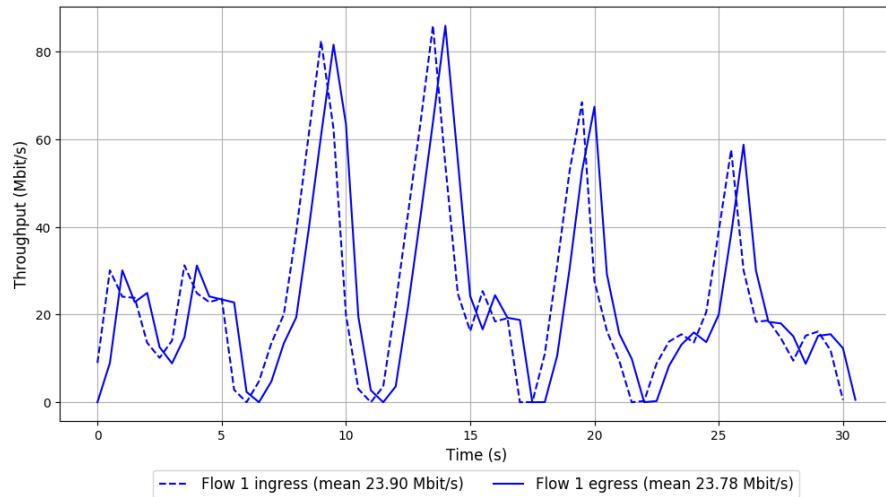


Run 3: Statistics of LEDBAT

```
Start at: 2019-02-19 20:45:02
End at: 2019-02-19 20:45:32
Local clock offset: 1.557 ms
Remote clock offset: -4.169 ms

# Below is generated by plot.py at 2019-02-19 21:53:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 6.899 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 23.78 Mbit/s
95th percentile per-packet one-way delay: 6.899 ms
Loss rate: 0.53%
```

Run 3: Report of LEDBAT — Data Link

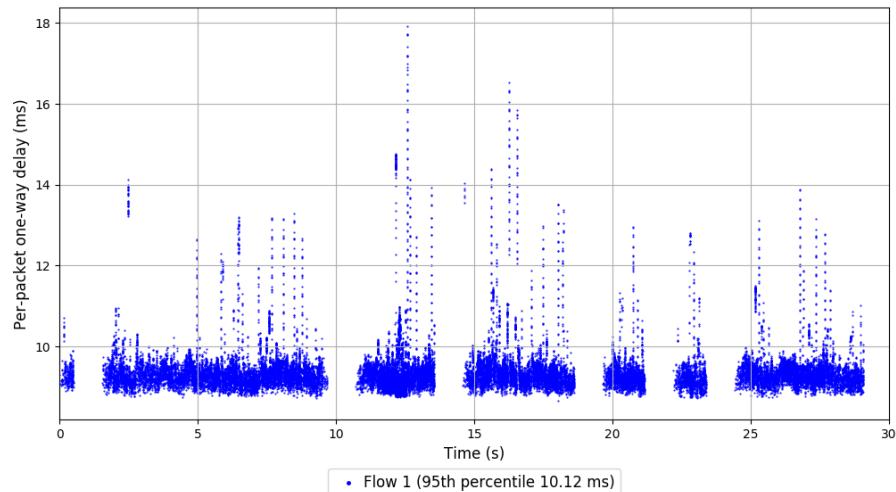
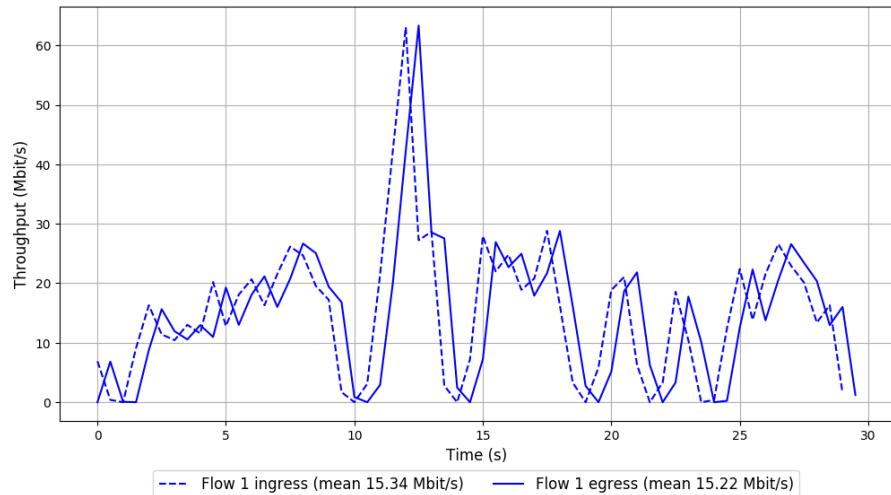


Run 4: Statistics of LEDBAT

```
Start at: 2019-02-19 21:08:39
End at: 2019-02-19 21:09:10
Local clock offset: -1.58 ms
Remote clock offset: -1.97 ms

# Below is generated by plot.py at 2019-02-19 21:53:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.22 Mbit/s
95th percentile per-packet one-way delay: 10.116 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 15.22 Mbit/s
95th percentile per-packet one-way delay: 10.116 ms
Loss rate: 0.92%
```

Run 4: Report of LEDBAT — Data Link

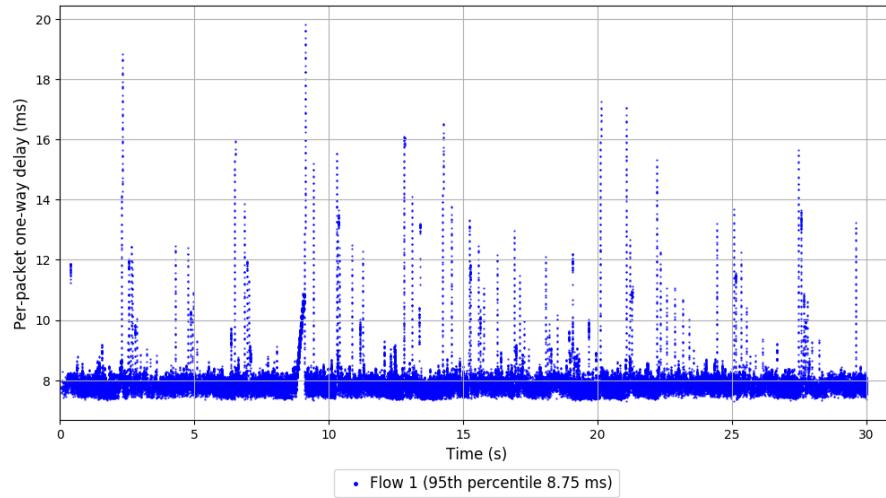
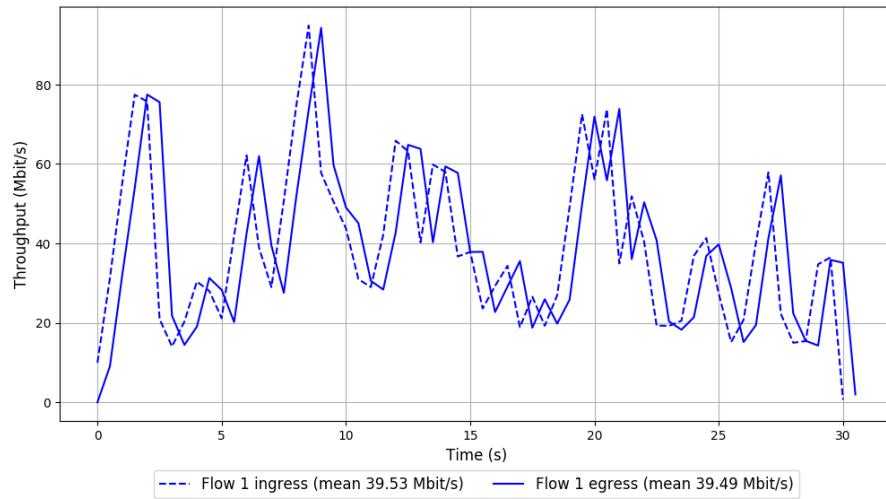


Run 5: Statistics of LEDBAT

```
Start at: 2019-02-19 21:32:32
End at: 2019-02-19 21:33:02
Local clock offset: -1.799 ms
Remote clock offset: -1.668 ms

# Below is generated by plot.py at 2019-02-19 21:53:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.49 Mbit/s
95th percentile per-packet one-way delay: 8.751 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 39.49 Mbit/s
95th percentile per-packet one-way delay: 8.751 ms
Loss rate: 0.10%
```

Run 5: Report of LEDBAT — Data Link

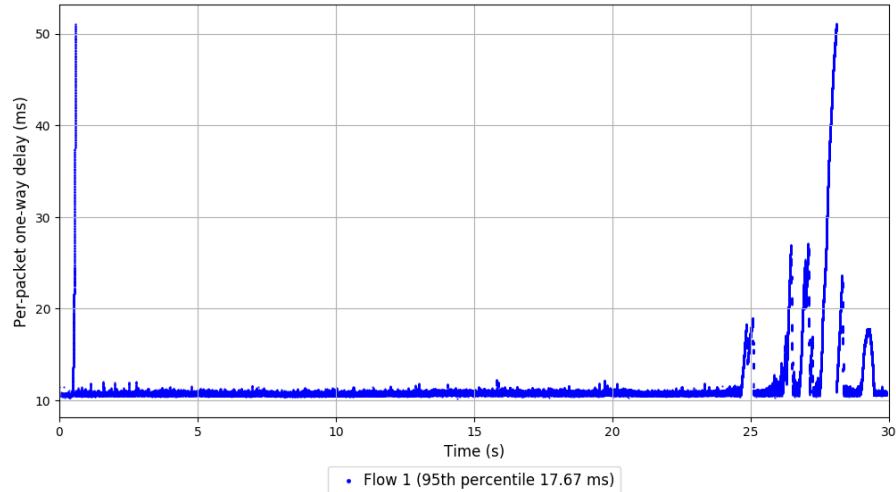
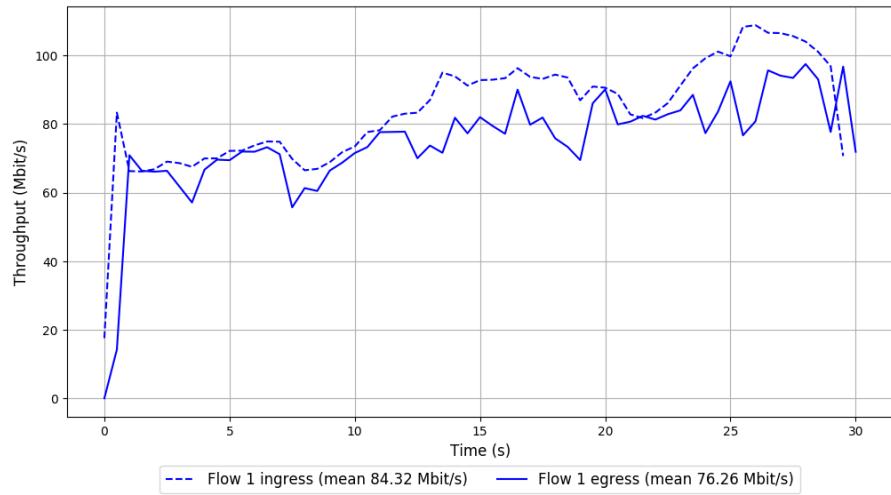


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-02-19 19:49:05
End at: 2019-02-19 19:49:35
Local clock offset: -0.155 ms
Remote clock offset: -4.956 ms

# Below is generated by plot.py at 2019-02-19 21:54:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.26 Mbit/s
95th percentile per-packet one-way delay: 17.672 ms
Loss rate: 9.56%
-- Flow 1:
Average throughput: 76.26 Mbit/s
95th percentile per-packet one-way delay: 17.672 ms
Loss rate: 9.56%
```

Run 1: Report of PCC-Allegro — Data Link

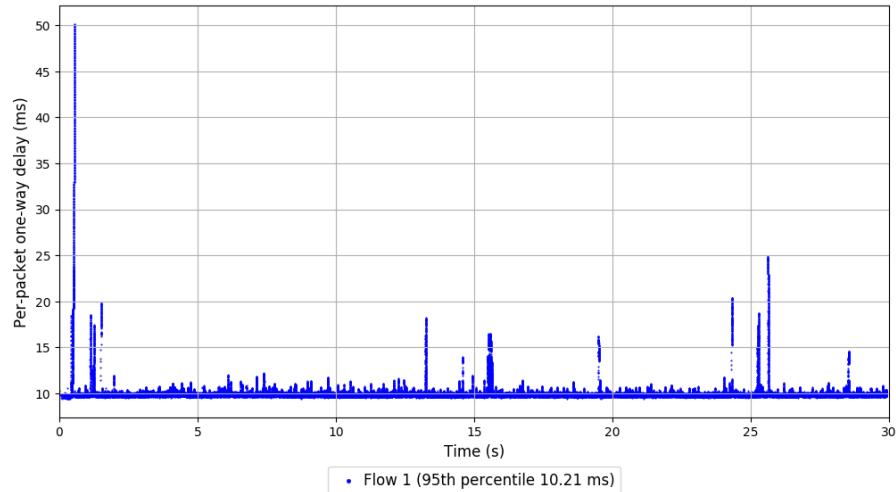
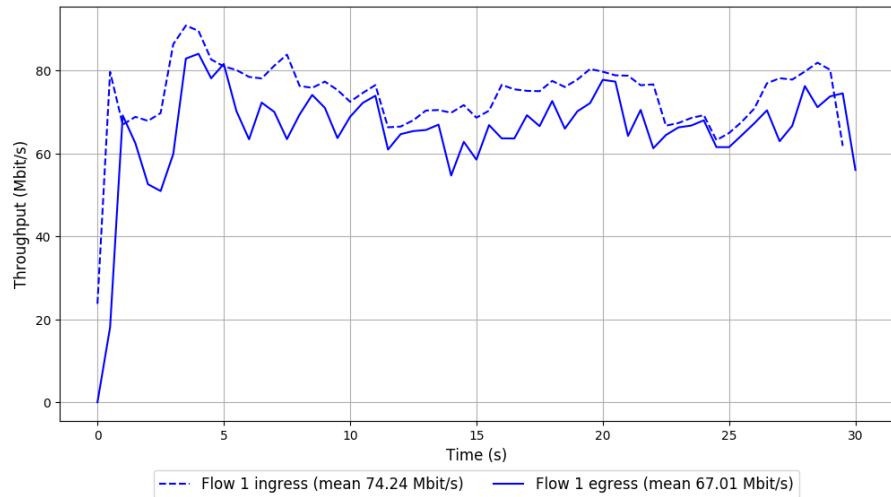


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-02-19 20:13:53
End at: 2019-02-19 20:14:24
Local clock offset: 0.092 ms
Remote clock offset: -3.099 ms

# Below is generated by plot.py at 2019-02-19 21:54:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.01 Mbit/s
95th percentile per-packet one-way delay: 10.206 ms
Loss rate: 9.75%
-- Flow 1:
Average throughput: 67.01 Mbit/s
95th percentile per-packet one-way delay: 10.206 ms
Loss rate: 9.75%
```

Run 2: Report of PCC-Allegro — Data Link

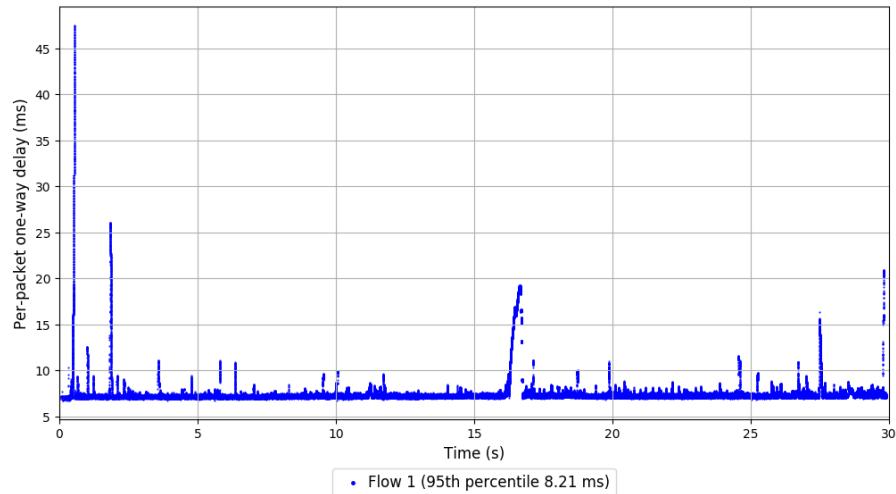
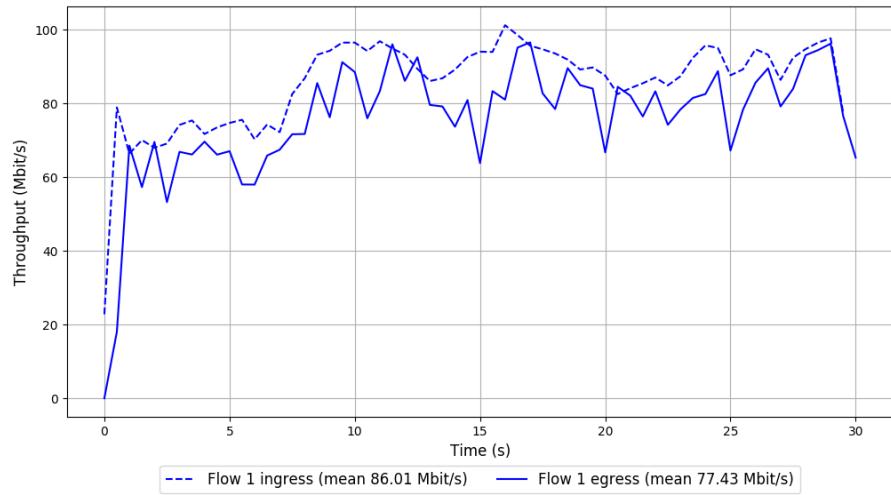


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-02-19 20:38:15
End at: 2019-02-19 20:38:45
Local clock offset: 0.523 ms
Remote clock offset: -4.261 ms

# Below is generated by plot.py at 2019-02-19 21:54:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.43 Mbit/s
95th percentile per-packet one-way delay: 8.209 ms
Loss rate: 9.98%
-- Flow 1:
Average throughput: 77.43 Mbit/s
95th percentile per-packet one-way delay: 8.209 ms
Loss rate: 9.98%
```

Run 3: Report of PCC-Allegro — Data Link

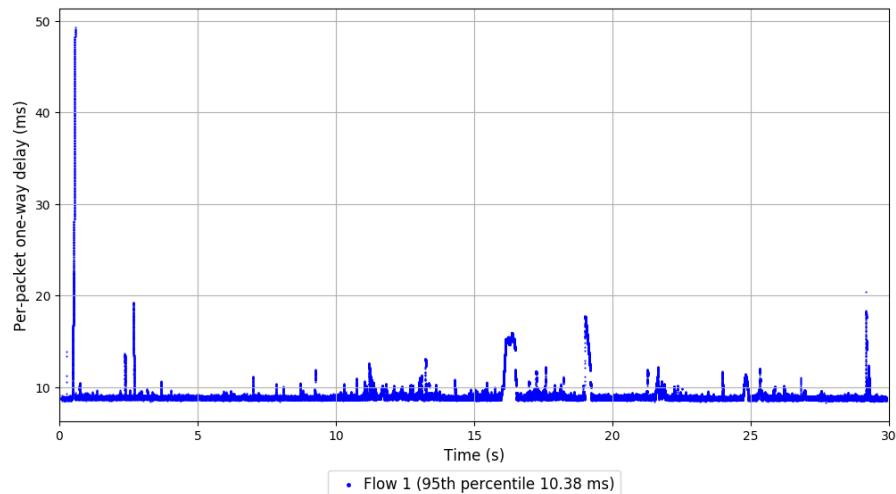
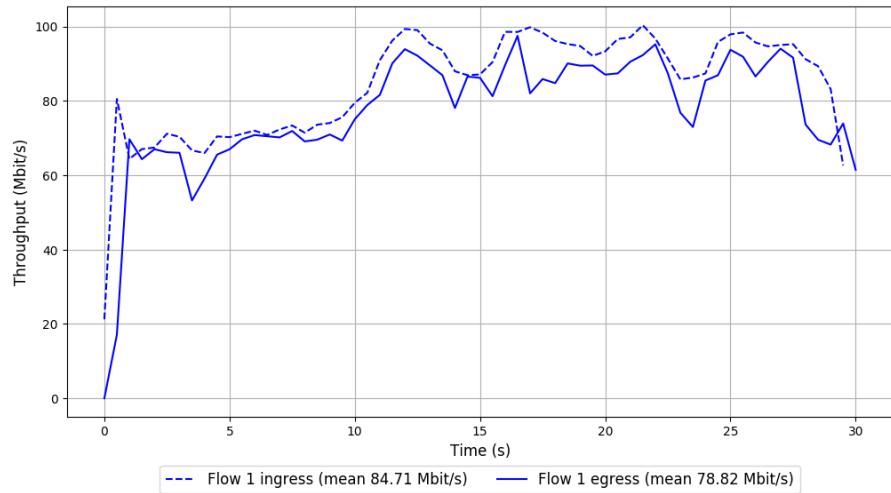


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-02-19 21:01:49
End at: 2019-02-19 21:02:19
Local clock offset: -0.837 ms
Remote clock offset: -2.809 ms

# Below is generated by plot.py at 2019-02-19 21:54:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.82 Mbit/s
95th percentile per-packet one-way delay: 10.384 ms
Loss rate: 6.96%
-- Flow 1:
Average throughput: 78.82 Mbit/s
95th percentile per-packet one-way delay: 10.384 ms
Loss rate: 6.96%
```

Run 4: Report of PCC-Allegro — Data Link

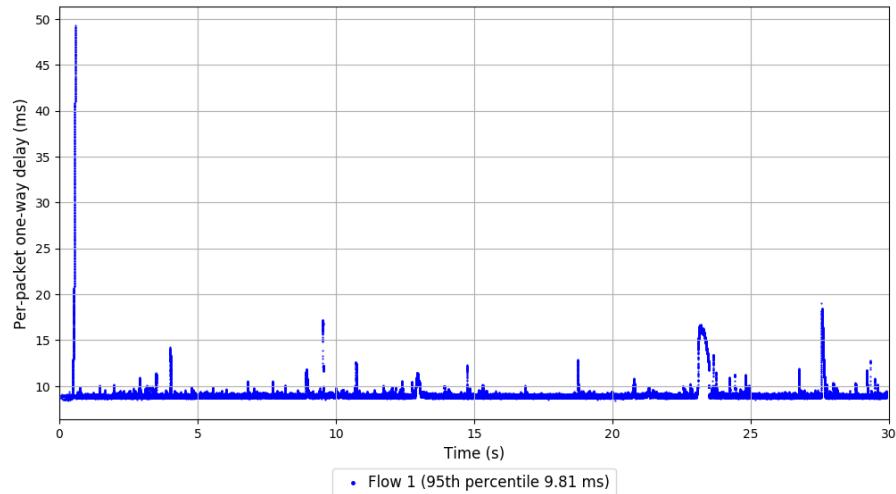
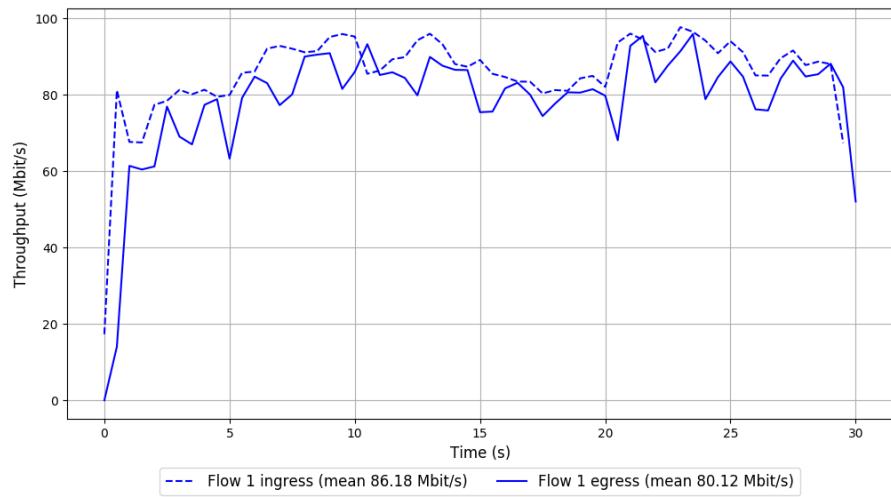


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-02-19 21:25:35
End at: 2019-02-19 21:26:05
Local clock offset: -3.265 ms
Remote clock offset: -2.667 ms

# Below is generated by plot.py at 2019-02-19 21:54:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.12 Mbit/s
95th percentile per-packet one-way delay: 9.808 ms
Loss rate: 7.04%
-- Flow 1:
Average throughput: 80.12 Mbit/s
95th percentile per-packet one-way delay: 9.808 ms
Loss rate: 7.04%
```

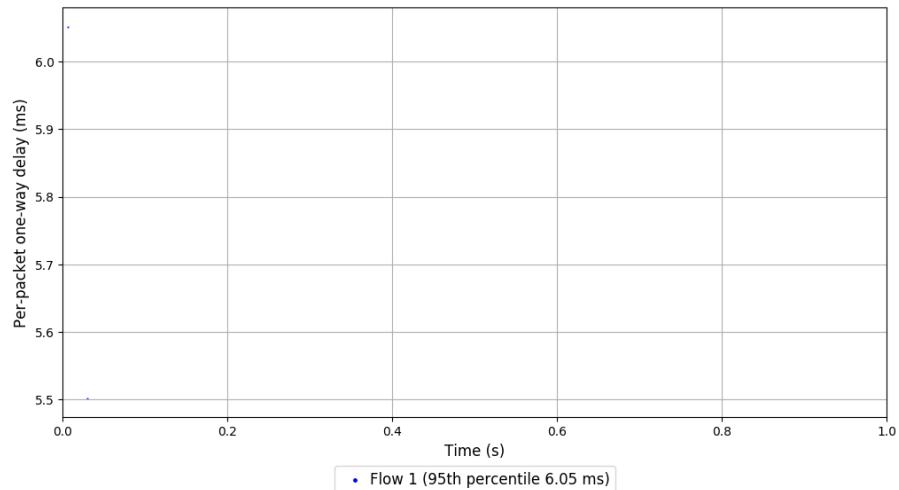
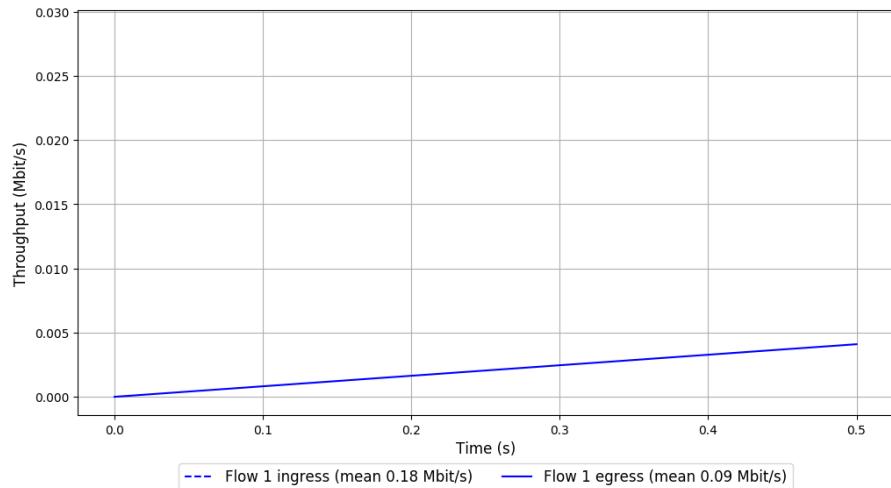
Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-02-19 20:03:17
End at: 2019-02-19 20:03:47
Local clock offset: 2.94 ms
Remote clock offset: -5.158 ms

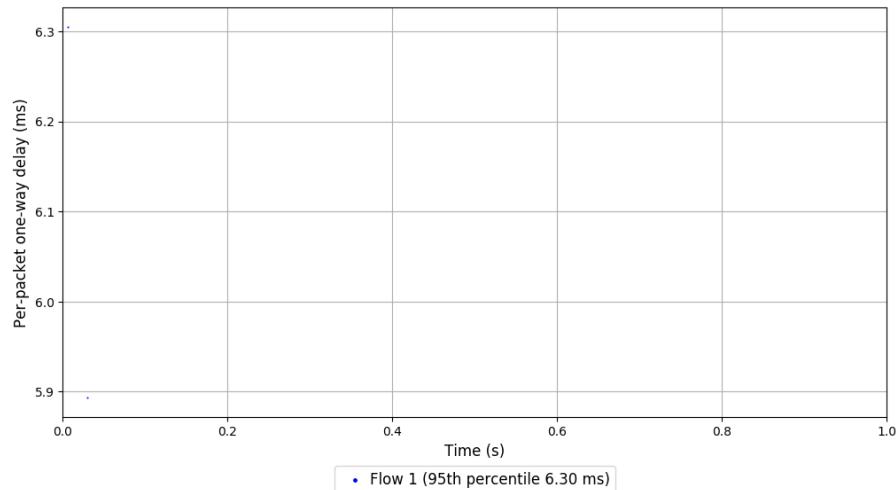
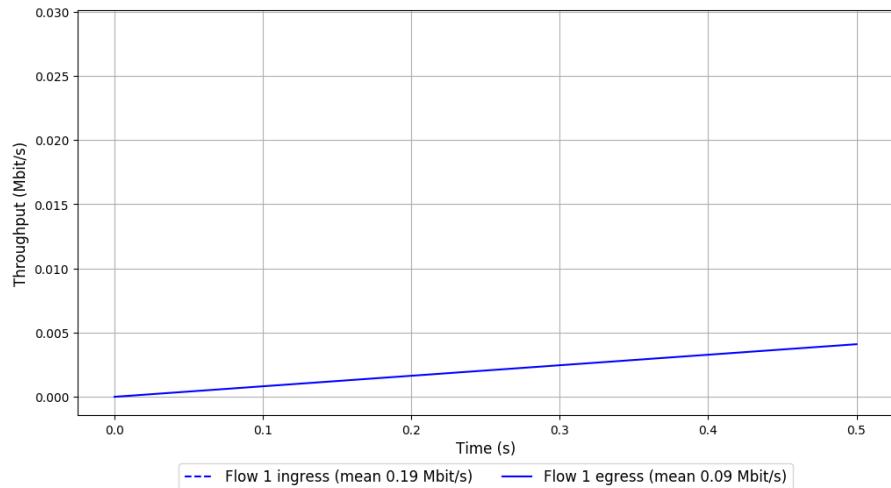
Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-02-19 20:27:50
End at: 2019-02-19 20:28:20
Local clock offset: 2.422 ms
Remote clock offset: -4.221 ms

Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

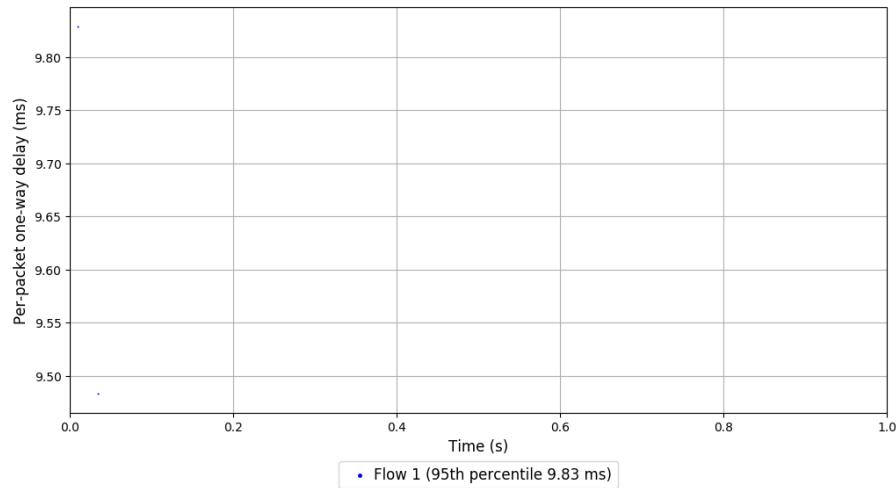
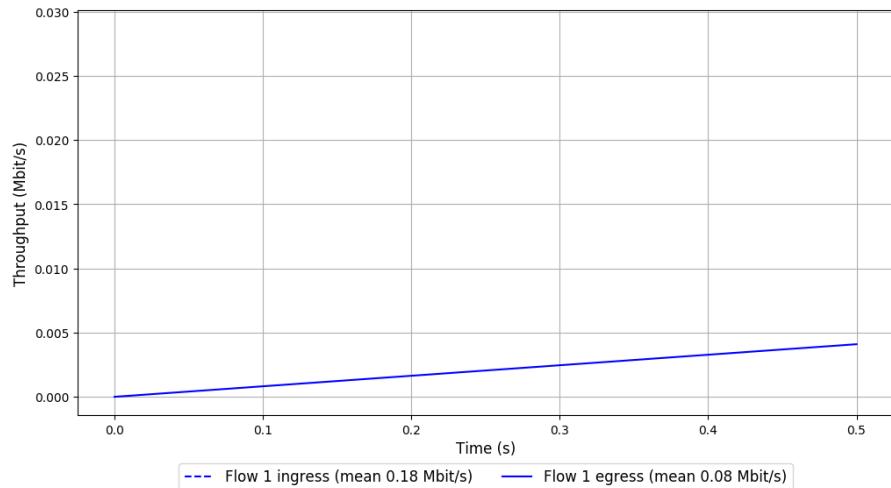
Start at: 2019-02-19 20:51:44

End at: 2019-02-19 20:52:14

Local clock offset: 0.494 ms

Remote clock offset: -1.624 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

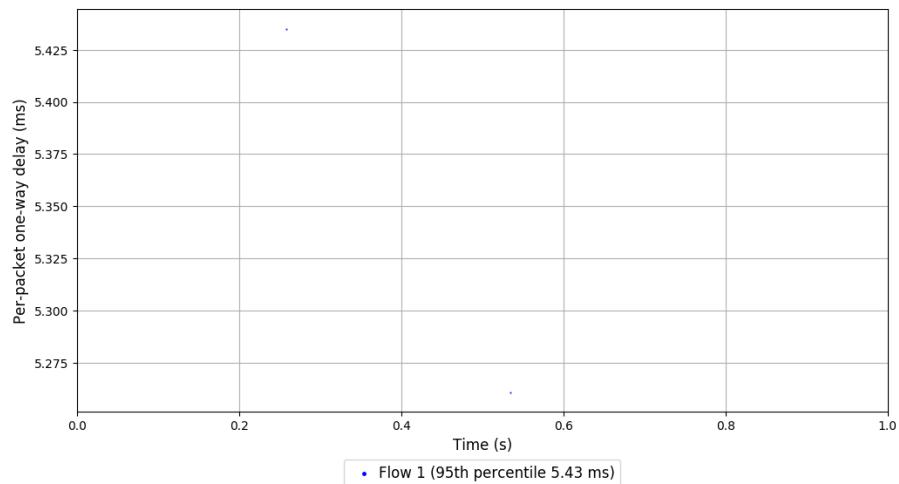
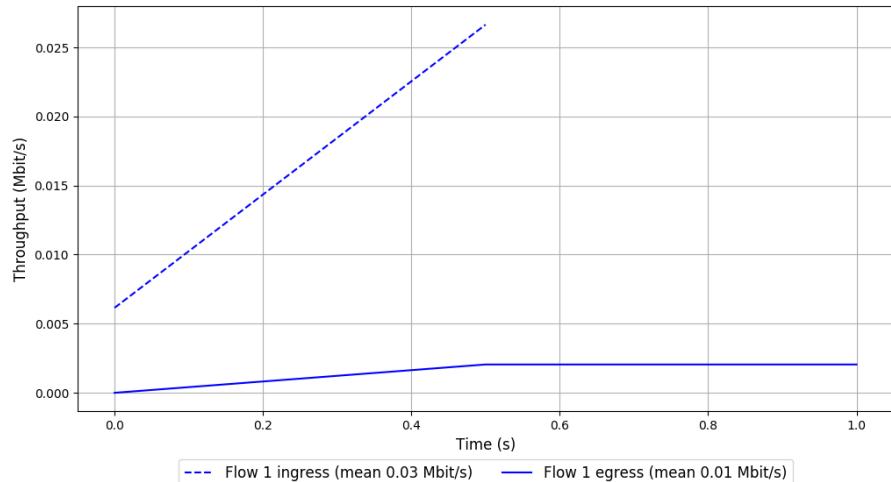
Start at: 2019-02-19 21:15:20

End at: 2019-02-19 21:15:50

Local clock offset: -1.641 ms

Remote clock offset: -4.241 ms

Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

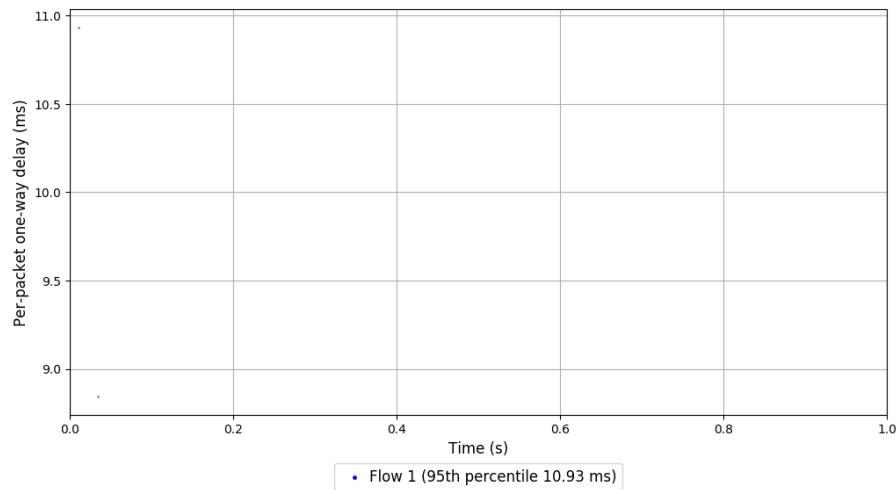
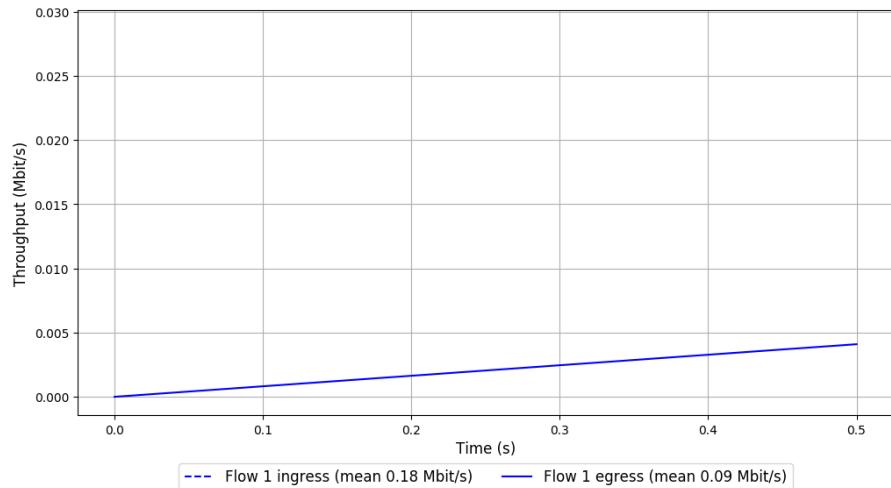
Start at: 2019-02-19 21:39:22

End at: 2019-02-19 21:39:52

Local clock offset: -3.458 ms

Remote clock offset: -1.863 ms

Run 5: Report of PCC-Expr — Data Link

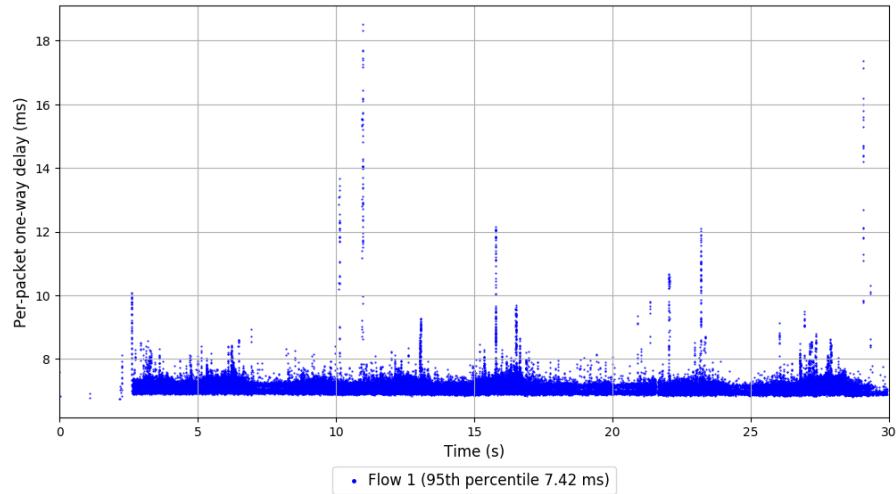
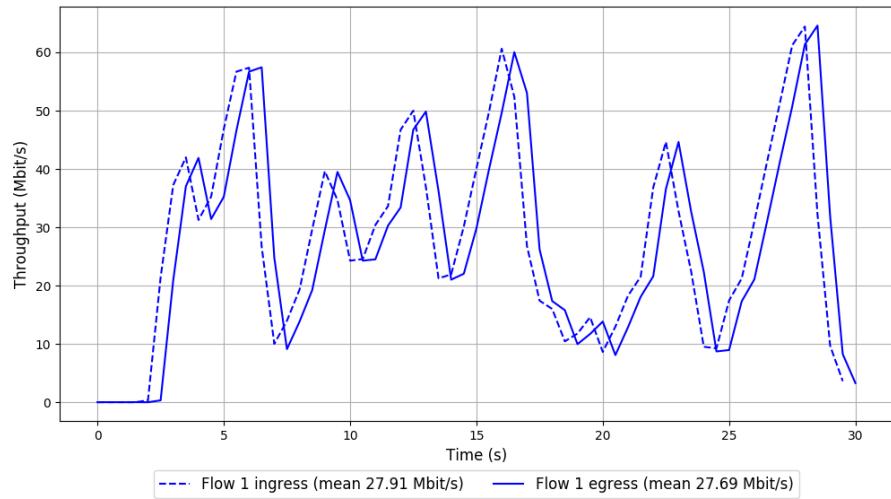


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-02-19 20:05:29
End at: 2019-02-19 20:05:59
Local clock offset: 2.569 ms
Remote clock offset: -3.632 ms

# Below is generated by plot.py at 2019-02-19 21:54:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.69 Mbit/s
95th percentile per-packet one-way delay: 7.422 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 27.69 Mbit/s
95th percentile per-packet one-way delay: 7.422 ms
Loss rate: 0.78%
```

Run 1: Report of QUIC Cubic — Data Link

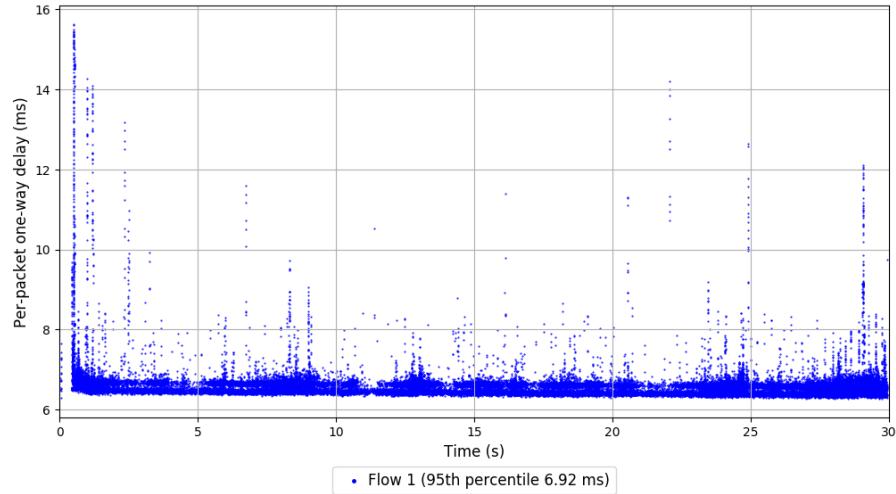
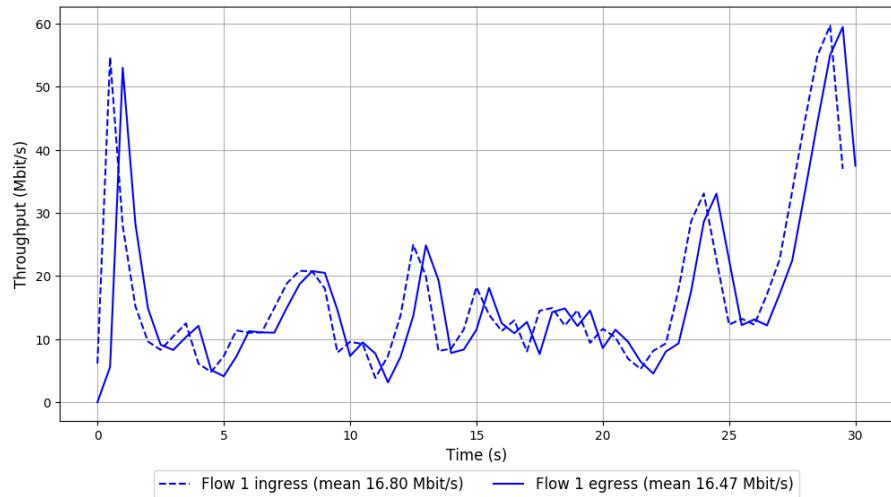


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-02-19 20:30:02
End at: 2019-02-19 20:30:32
Local clock offset: 2.83 ms
Remote clock offset: -2.924 ms

# Below is generated by plot.py at 2019-02-19 21:54:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.47 Mbit/s
95th percentile per-packet one-way delay: 6.922 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 16.47 Mbit/s
95th percentile per-packet one-way delay: 6.922 ms
Loss rate: 1.99%
```

Run 2: Report of QUIC Cubic — Data Link

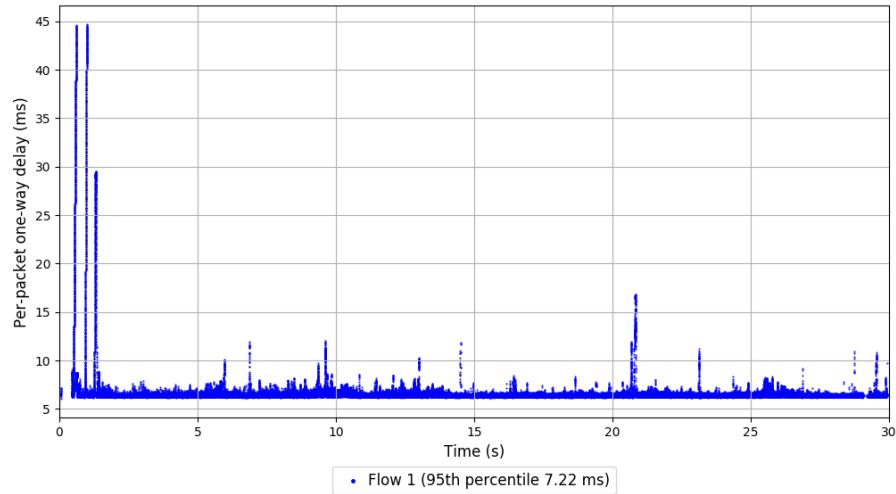
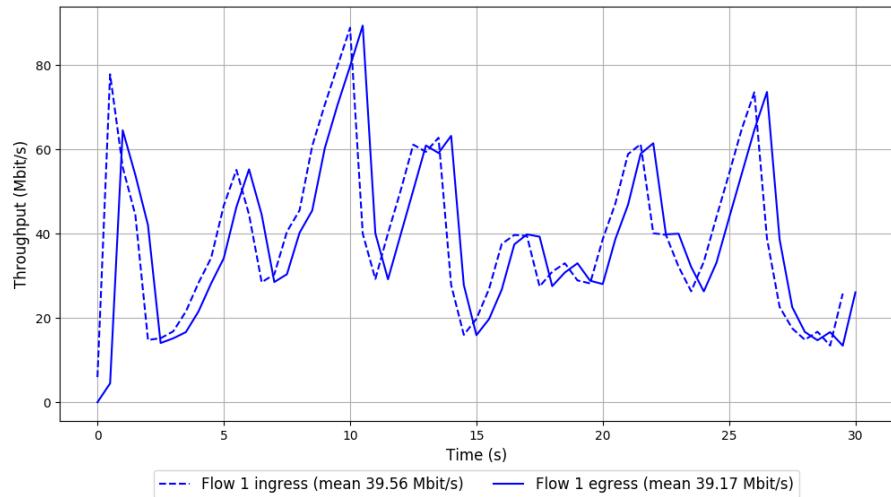


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-02-19 20:53:56
End at: 2019-02-19 20:54:26
Local clock offset: 2.234 ms
Remote clock offset: -2.346 ms

# Below is generated by plot.py at 2019-02-19 21:54:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.17 Mbit/s
95th percentile per-packet one-way delay: 7.224 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 39.17 Mbit/s
95th percentile per-packet one-way delay: 7.224 ms
Loss rate: 0.99%
```

Run 3: Report of QUIC Cubic — Data Link

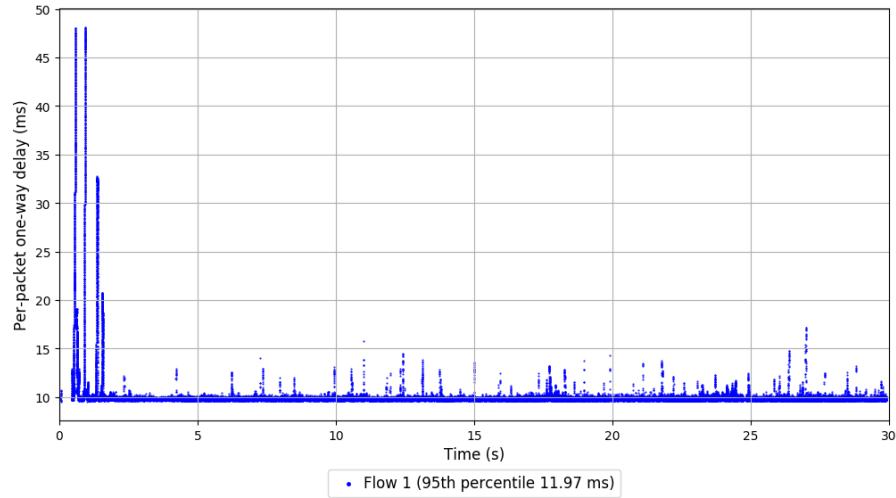
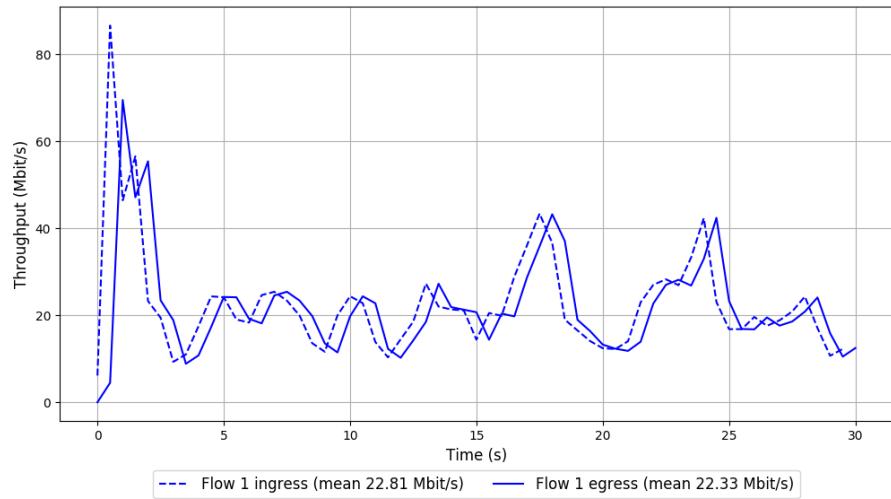


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-02-19 21:17:32
End at: 2019-02-19 21:18:02
Local clock offset: -3.382 ms
Remote clock offset: -2.047 ms

# Below is generated by plot.py at 2019-02-19 21:54:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.33 Mbit/s
95th percentile per-packet one-way delay: 11.971 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 22.33 Mbit/s
95th percentile per-packet one-way delay: 11.971 ms
Loss rate: 2.07%
```

Run 4: Report of QUIC Cubic — Data Link

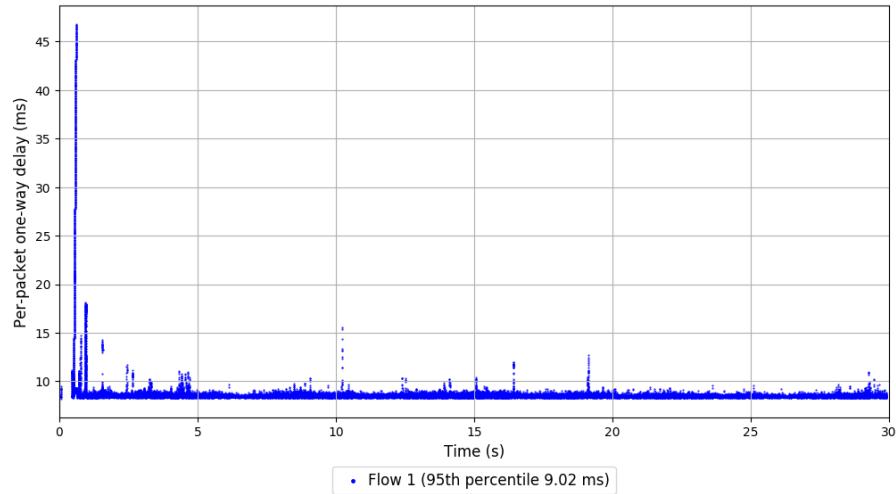
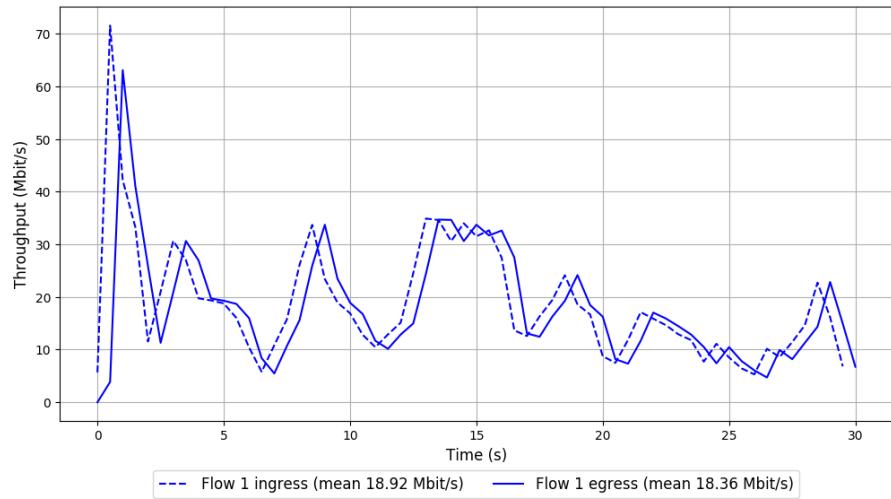


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-02-19 21:41:33
End at: 2019-02-19 21:42:03
Local clock offset: -3.762 ms
Remote clock offset: -3.075 ms

# Below is generated by plot.py at 2019-02-19 21:54:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.36 Mbit/s
95th percentile per-packet one-way delay: 9.023 ms
Loss rate: 2.94%
-- Flow 1:
Average throughput: 18.36 Mbit/s
95th percentile per-packet one-way delay: 9.023 ms
Loss rate: 2.94%
```

Run 5: Report of QUIC Cubic — Data Link

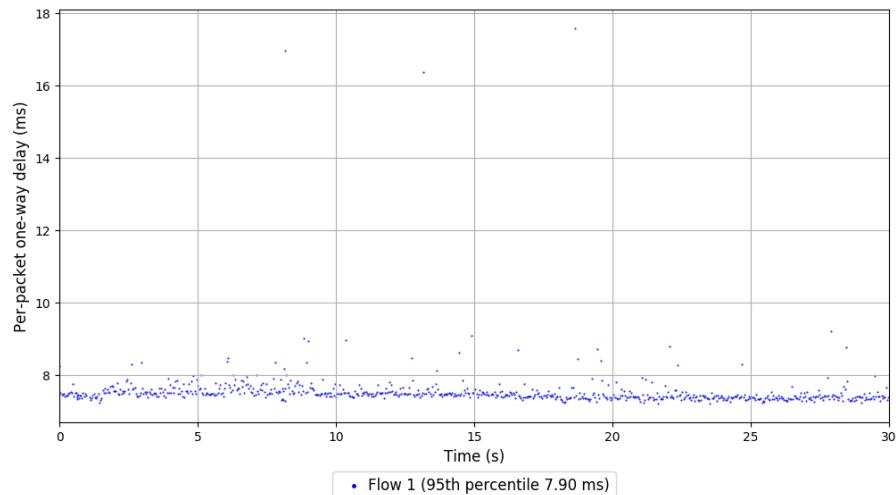
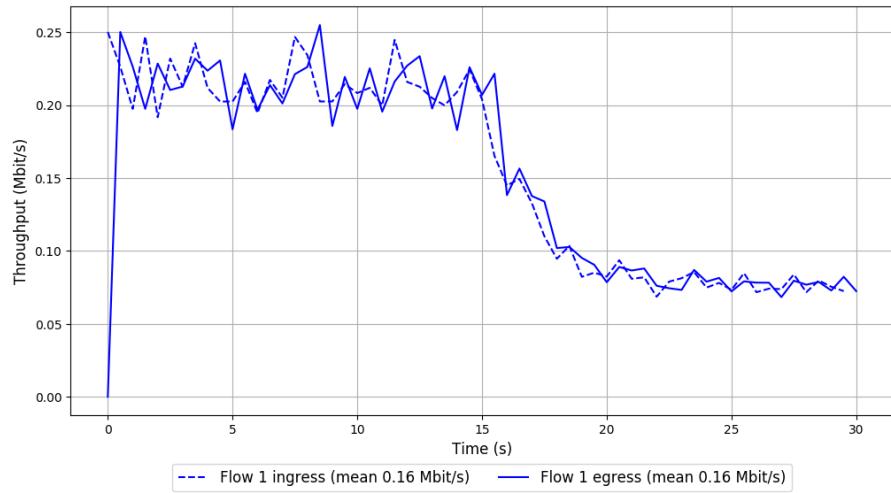


```
Run 1: Statistics of SCReAM
```

```
Start at: 2019-02-19 19:58:41
End at: 2019-02-19 19:59:11
Local clock offset: 3.293 ms
Remote clock offset: -3.89 ms

# Below is generated by plot.py at 2019-02-19 21:54:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 7.903 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 7.903 ms
Loss rate: 0.28%
```

Run 1: Report of SCReAM — Data Link

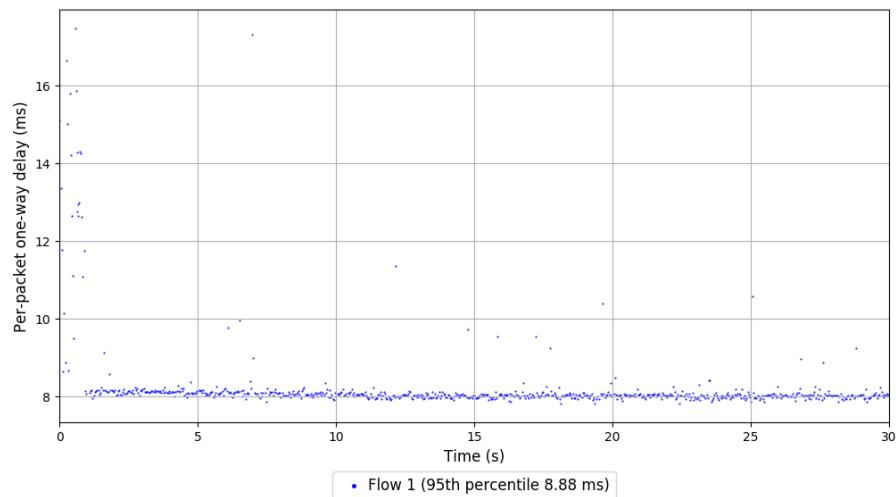
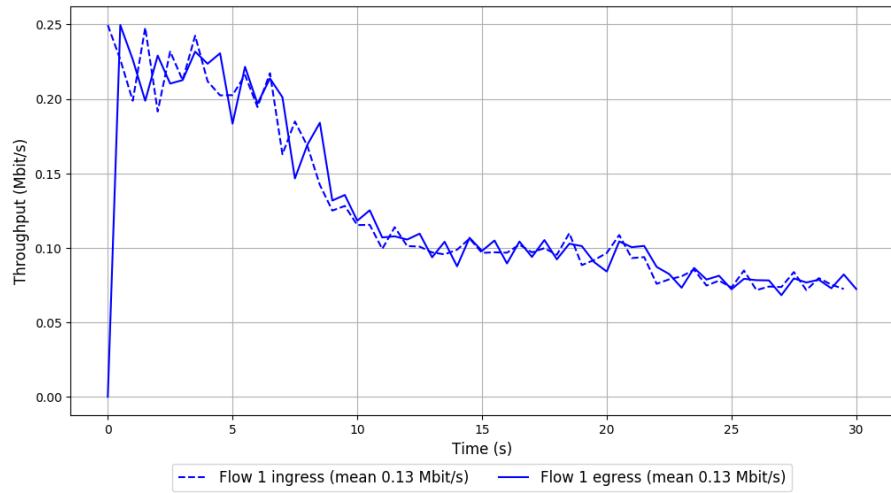


Run 2: Statistics of SCReAM

```
Start at: 2019-02-19 20:23:19
End at: 2019-02-19 20:23:49
Local clock offset: -0.031 ms
Remote clock offset: -4.931 ms

# Below is generated by plot.py at 2019-02-19 21:54:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 8.876 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 8.876 ms
Loss rate: 0.52%
```

Run 2: Report of SCReAM — Data Link

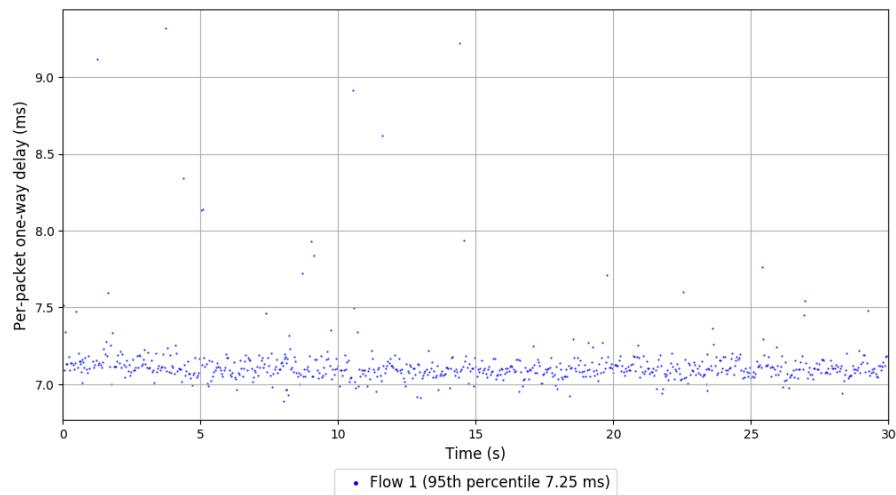
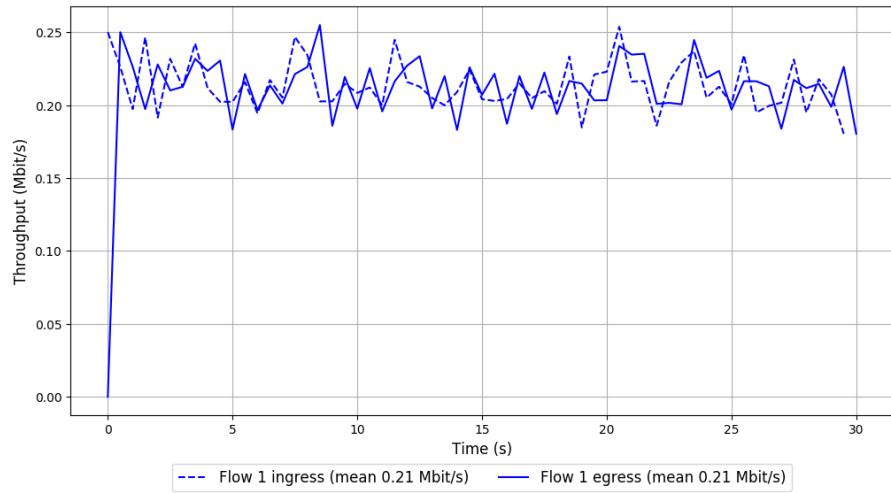


Run 3: Statistics of SCReAM

```
Start at: 2019-02-19 20:47:18
End at: 2019-02-19 20:47:48
Local clock offset: 0.469 ms
Remote clock offset: -3.352 ms

# Below is generated by plot.py at 2019-02-19 21:54:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 7.249 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.21 Mbit/s
95th percentile per-packet one-way delay: 7.249 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

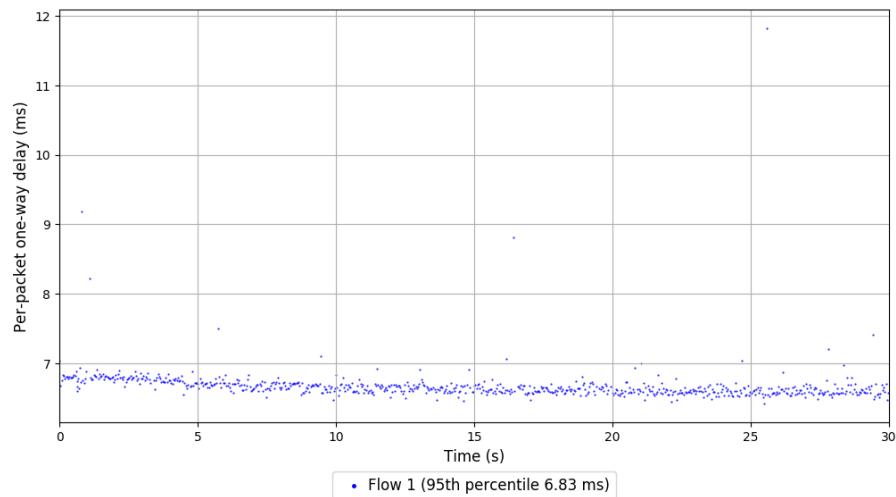
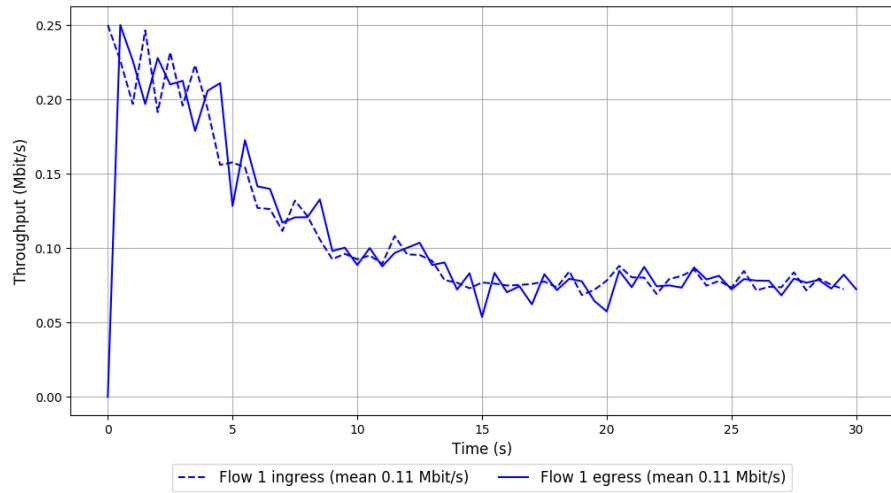


Run 4: Statistics of SCReAM

```
Start at: 2019-02-19 21:10:54
End at: 2019-02-19 21:11:25
Local clock offset: 0.733 ms
Remote clock offset: -1.572 ms

# Below is generated by plot.py at 2019-02-19 21:54:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 6.830 ms
Loss rate: 1.66%
-- Flow 1:
Average throughput: 0.11 Mbit/s
95th percentile per-packet one-way delay: 6.830 ms
Loss rate: 1.66%
```

Run 4: Report of SCReAM — Data Link

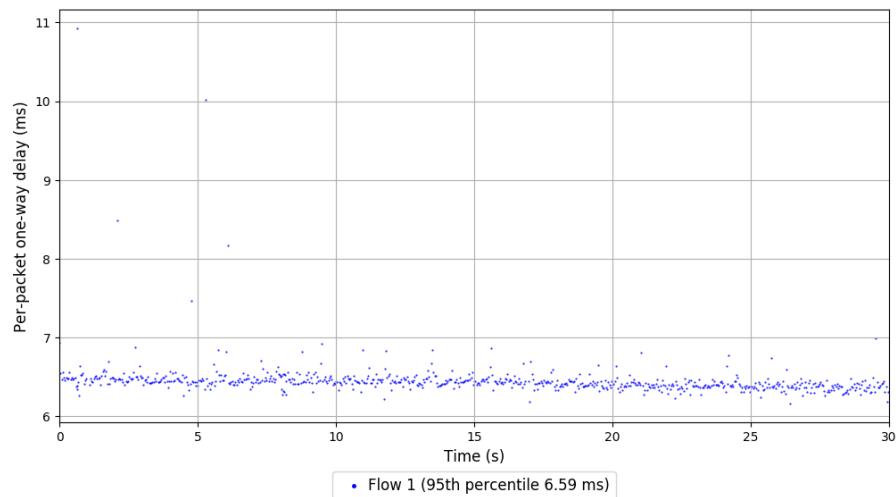
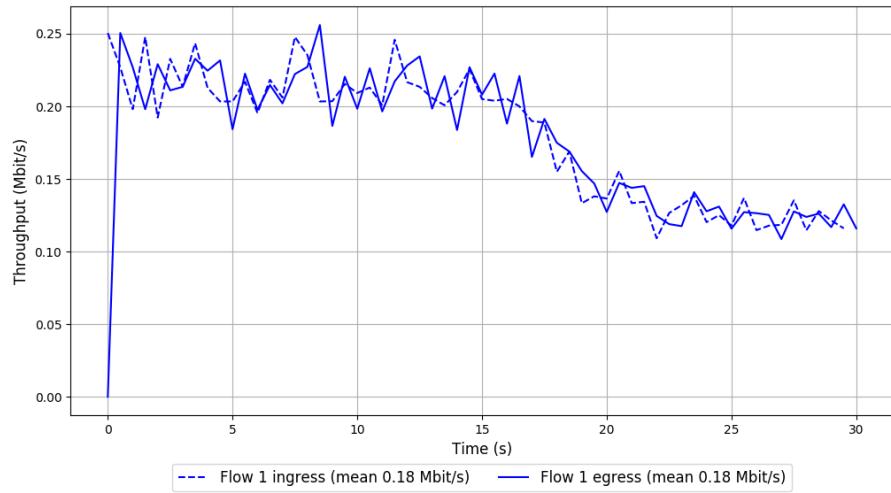


Run 5: Statistics of SCReAM

```
Start at: 2019-02-19 21:34:51
End at: 2019-02-19 21:35:21
Local clock offset: -1.434 ms
Remote clock offset: -2.444 ms

# Below is generated by plot.py at 2019-02-19 21:54:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 6.592 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 6.592 ms
Loss rate: 0.31%
```

Run 5: Report of SCReAM — Data Link

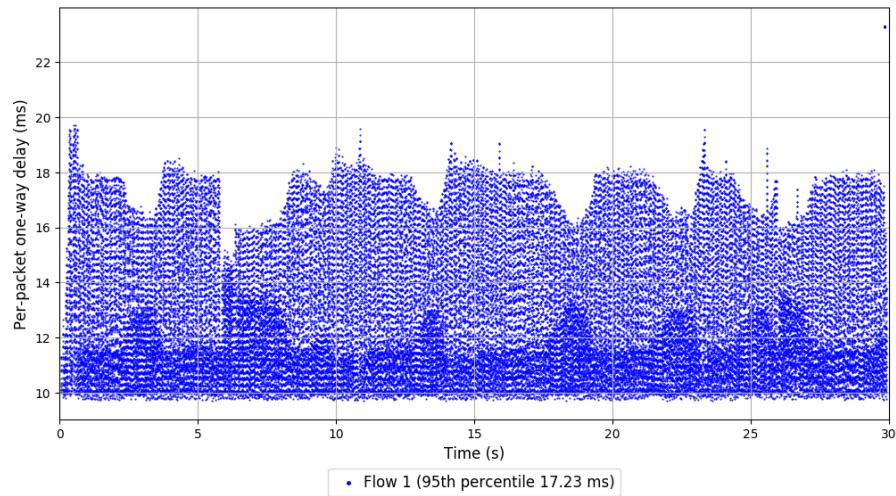
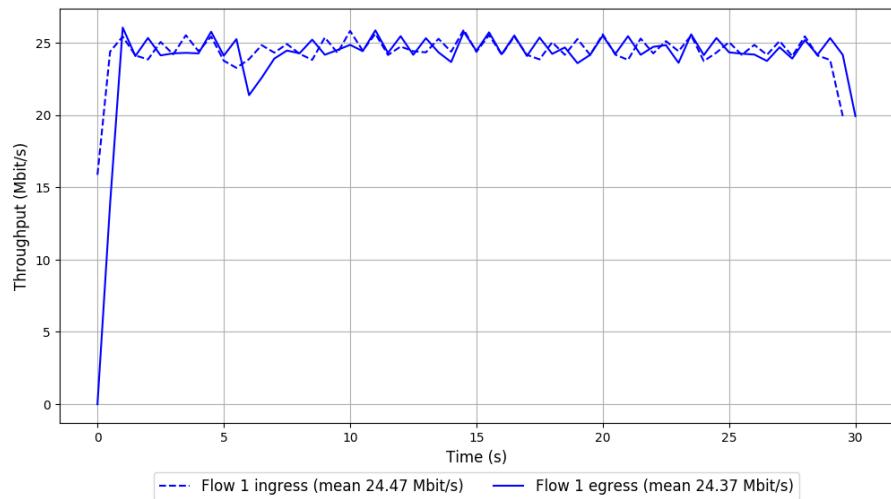


Run 1: Statistics of Sprout

```
Start at: 2019-02-19 19:50:14
End at: 2019-02-19 19:50:44
Local clock offset: 1.706 ms
Remote clock offset: -3.854 ms

# Below is generated by plot.py at 2019-02-19 21:54:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 17.235 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 24.37 Mbit/s
95th percentile per-packet one-way delay: 17.235 ms
Loss rate: 0.39%
```

Run 1: Report of Sprout — Data Link

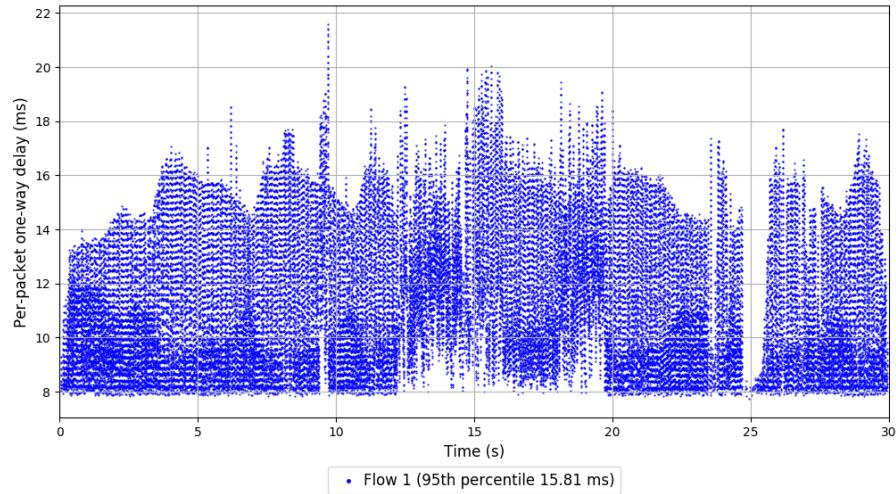
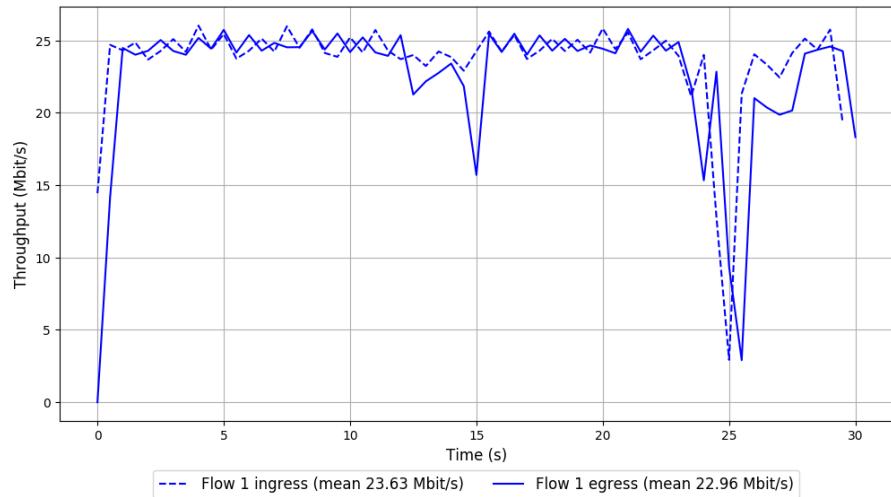


Run 2: Statistics of Sprout

```
Start at: 2019-02-19 20:15:07
End at: 2019-02-19 20:15:37
Local clock offset: 0.315 ms
Remote clock offset: -4.538 ms

# Below is generated by plot.py at 2019-02-19 21:54:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.96 Mbit/s
95th percentile per-packet one-way delay: 15.810 ms
Loss rate: 2.82%
-- Flow 1:
Average throughput: 22.96 Mbit/s
95th percentile per-packet one-way delay: 15.810 ms
Loss rate: 2.82%
```

Run 2: Report of Sprout — Data Link

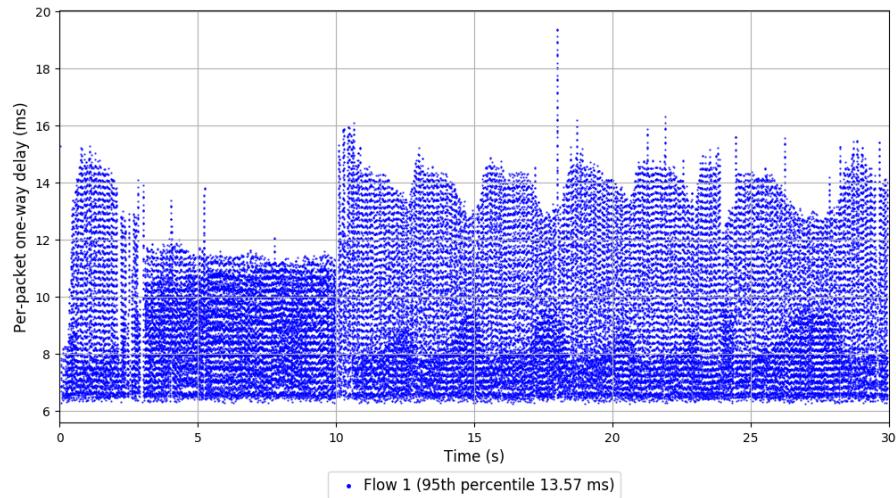
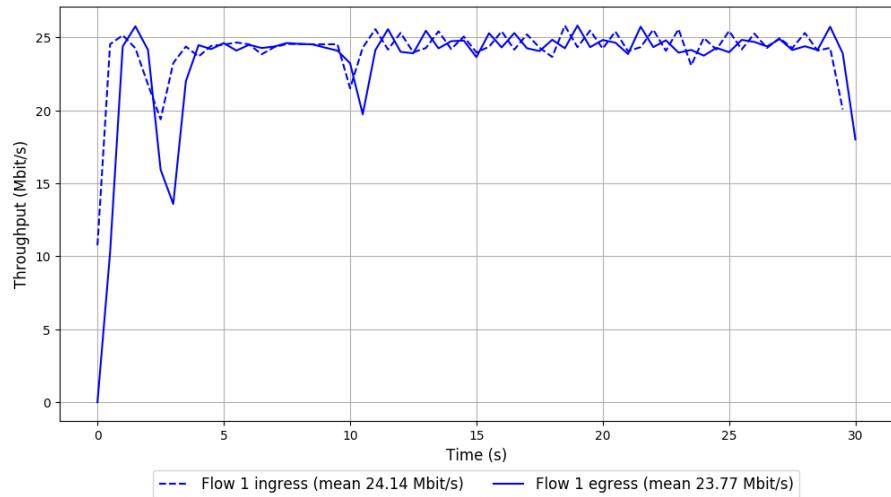


Run 3: Statistics of Sprout

```
Start at: 2019-02-19 20:39:23
End at: 2019-02-19 20:39:53
Local clock offset: 1.096 ms
Remote clock offset: -4.358 ms

# Below is generated by plot.py at 2019-02-19 21:54:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.77 Mbit/s
95th percentile per-packet one-way delay: 13.574 ms
Loss rate: 1.53%
-- Flow 1:
Average throughput: 23.77 Mbit/s
95th percentile per-packet one-way delay: 13.574 ms
Loss rate: 1.53%
```

Run 3: Report of Sprout — Data Link

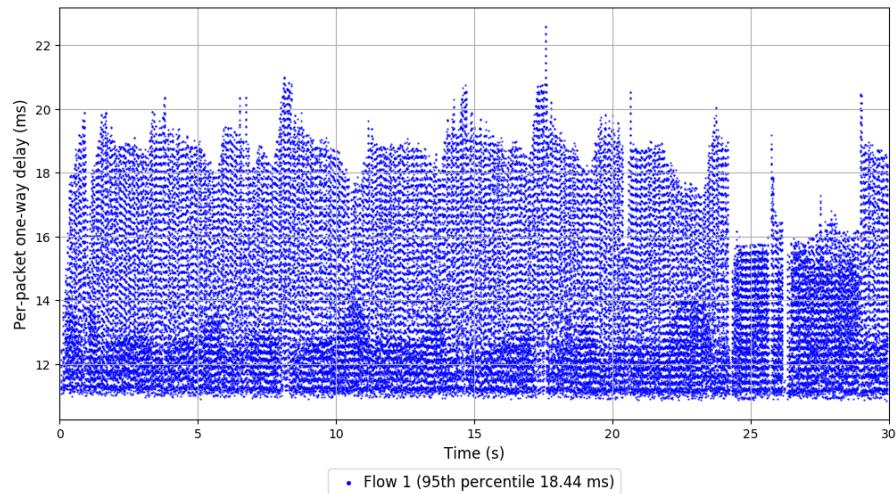
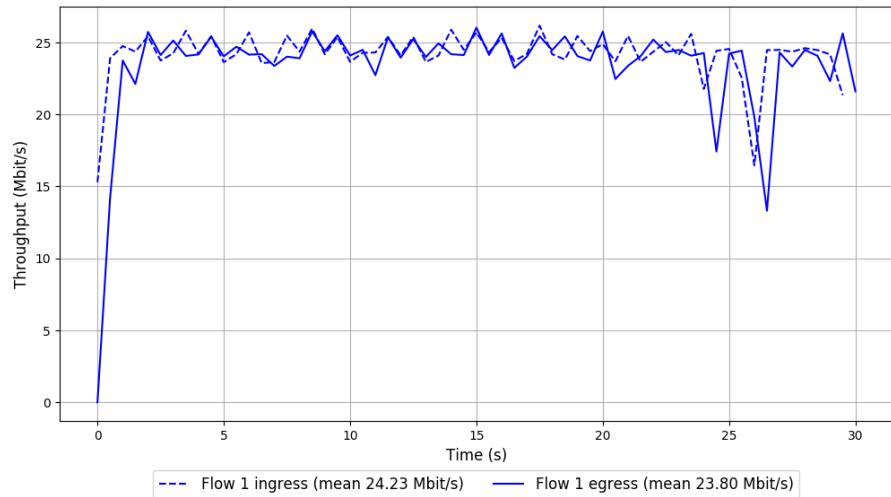


Run 4: Statistics of Sprout

```
Start at: 2019-02-19 21:02:57
End at: 2019-02-19 21:03:27
Local clock offset: -4.518 ms
Remote clock offset: -3.827 ms

# Below is generated by plot.py at 2019-02-19 21:54:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.80 Mbit/s
95th percentile per-packet one-way delay: 18.442 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 23.80 Mbit/s
95th percentile per-packet one-way delay: 18.442 ms
Loss rate: 1.75%
```

Run 4: Report of Sprout — Data Link

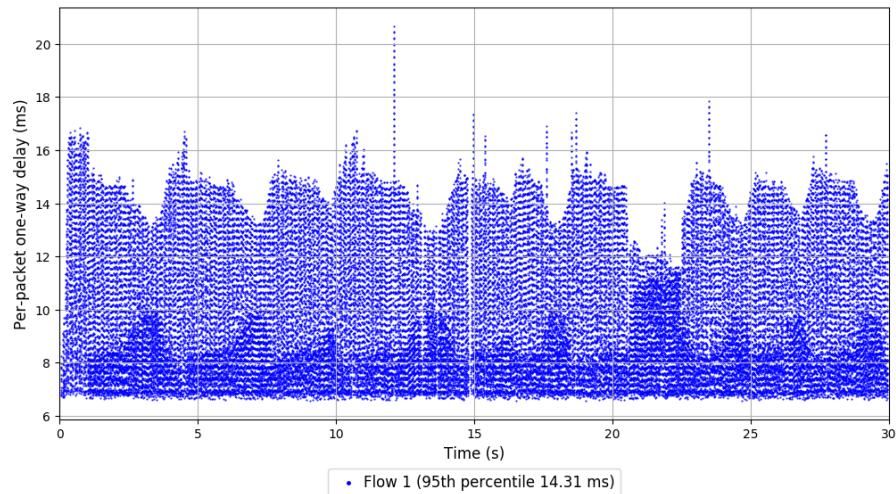
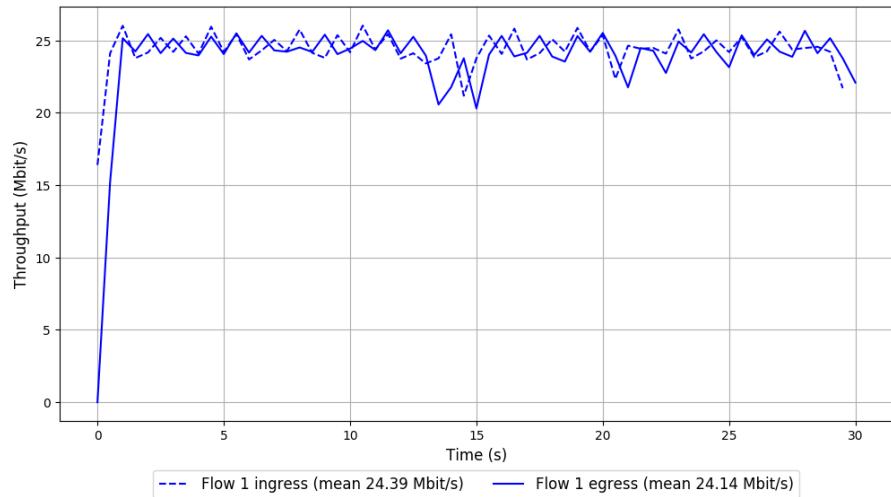


Run 5: Statistics of Sprout

```
Start at: 2019-02-19 21:26:45
End at: 2019-02-19 21:27:15
Local clock offset: -0.518 ms
Remote clock offset: -1.348 ms

# Below is generated by plot.py at 2019-02-19 21:54:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.14 Mbit/s
95th percentile per-packet one-way delay: 14.310 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 24.14 Mbit/s
95th percentile per-packet one-way delay: 14.310 ms
Loss rate: 0.99%
```

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

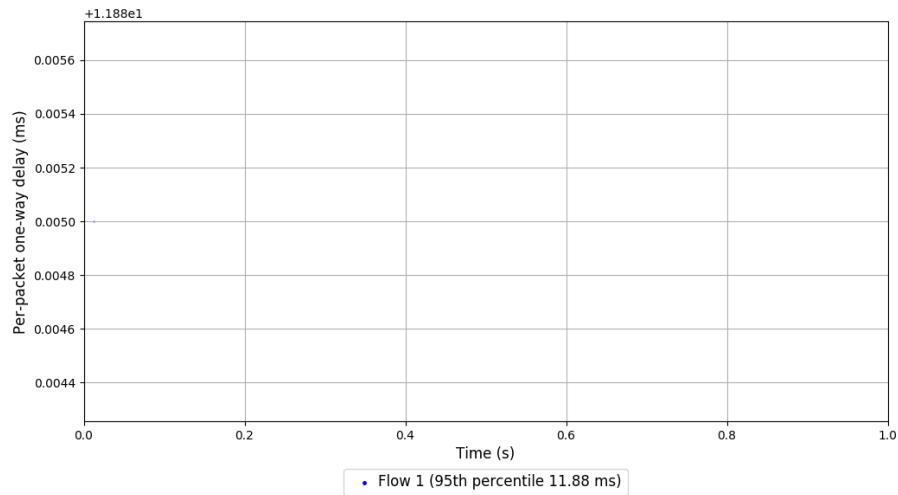
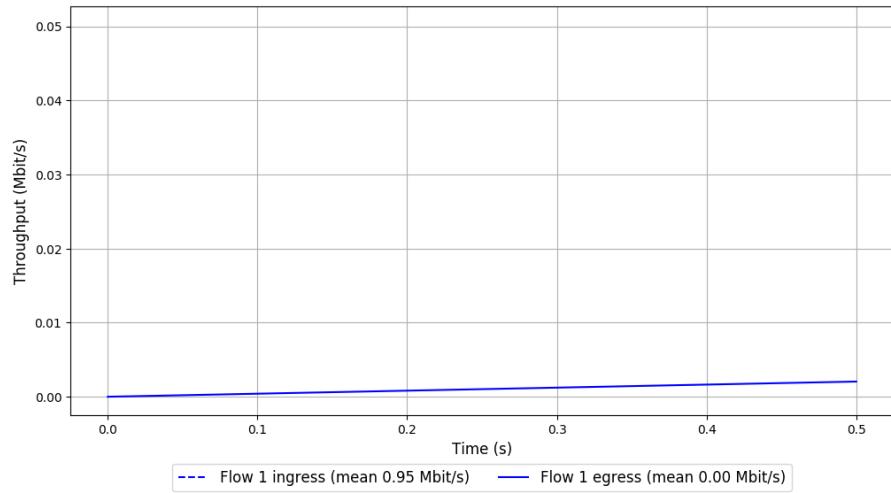
Start at: 2019-02-19 19:51:21

End at: 2019-02-19 19:51:51

Local clock offset: 0.141 ms

Remote clock offset: -4.327 ms

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



Run 2: Statistics of TaoVA-100x

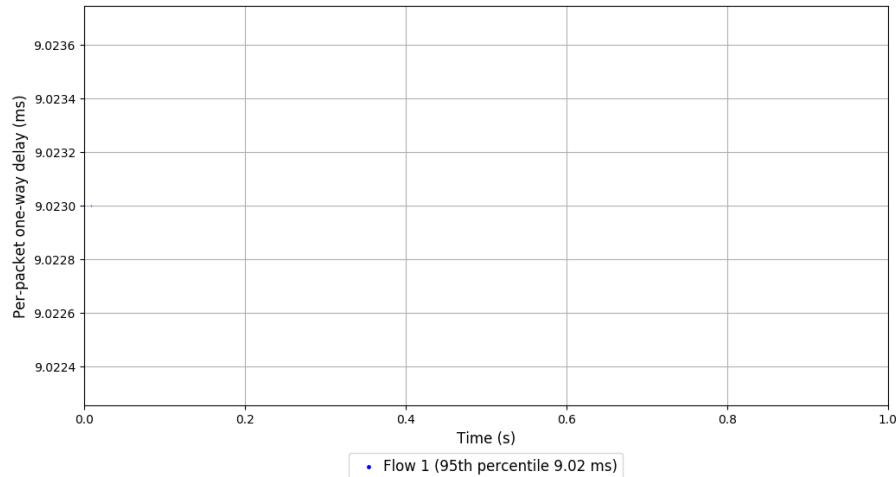
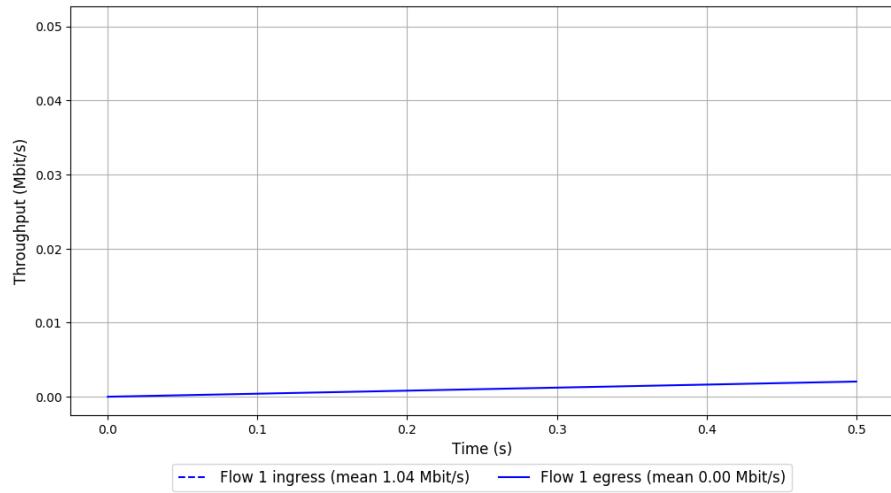
Start at: 2019-02-19 20:16:19

End at: 2019-02-19 20:16:49

Local clock offset: 0.182 ms

Remote clock offset: -3.692 ms

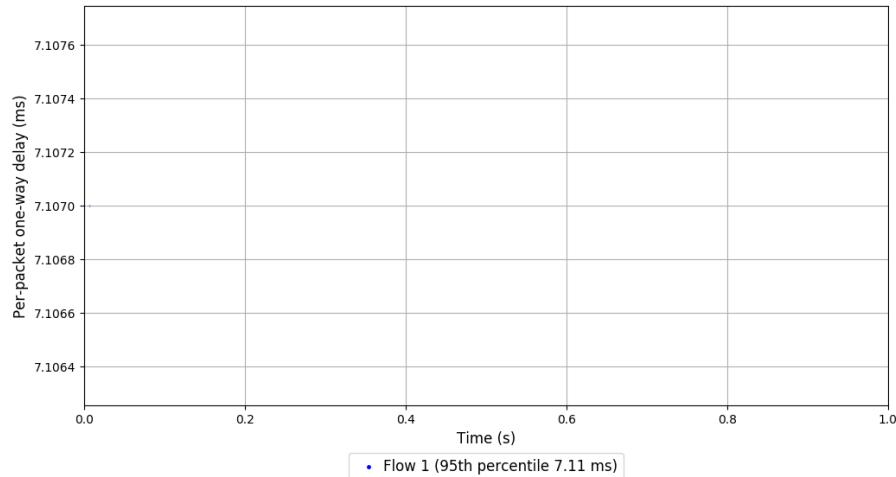
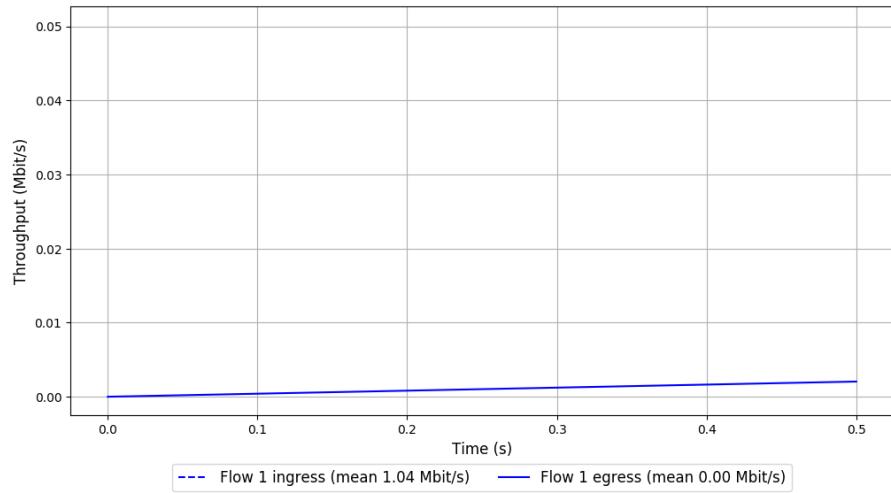
Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: 2019-02-19 20:40:29
End at: 2019-02-19 20:40:59
Local clock offset: 1.185 ms
Remote clock offset: -3.629 ms

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



Run 4: Statistics of TaoVA-100x

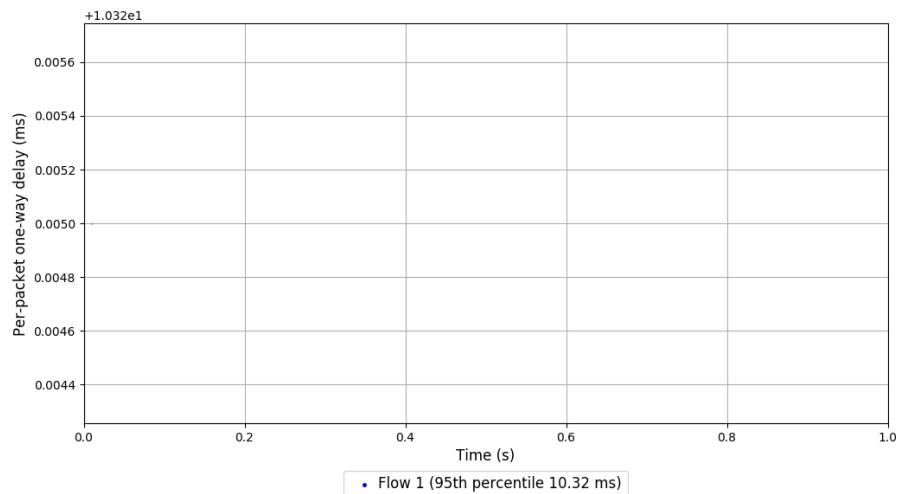
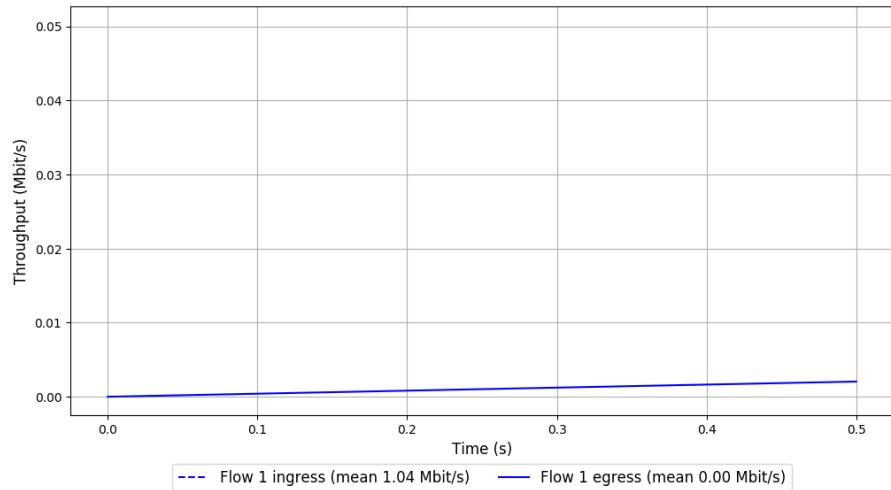
Start at: 2019-02-19 21:04:03

End at: 2019-02-19 21:04:33

Local clock offset: -1.423 ms

Remote clock offset: -1.498 ms

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



Run 5: Statistics of TaoVA-100x

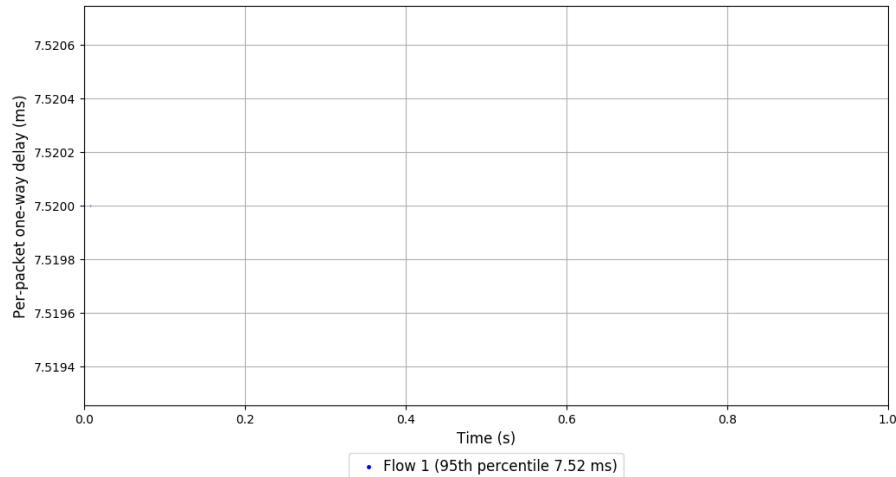
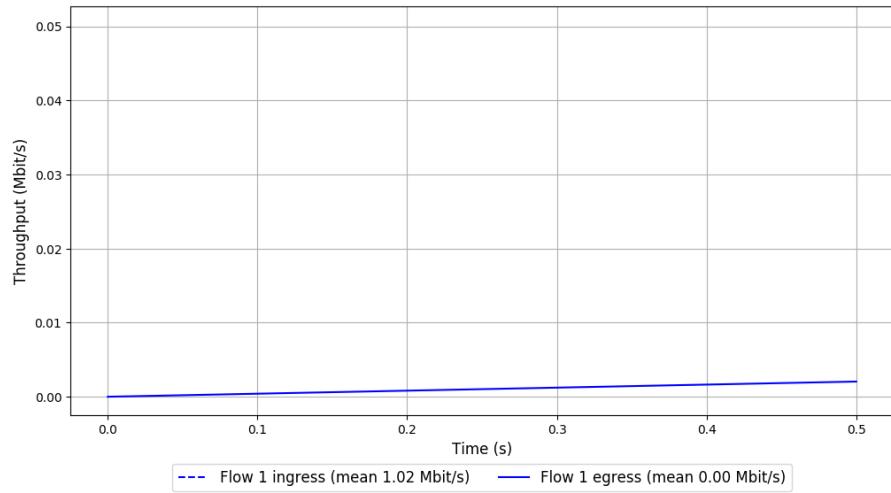
Start at: 2019-02-19 21:27:52

End at: 2019-02-19 21:28:22

Local clock offset: -0.657 ms

Remote clock offset: -1.439 ms

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

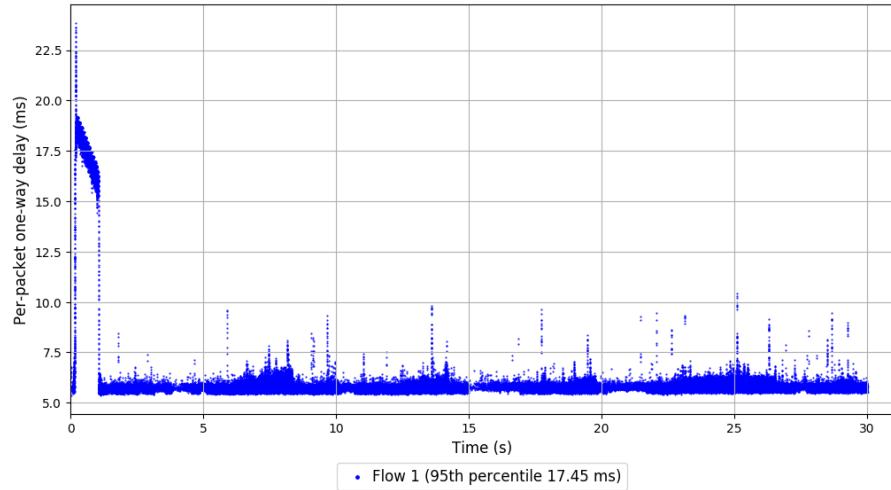
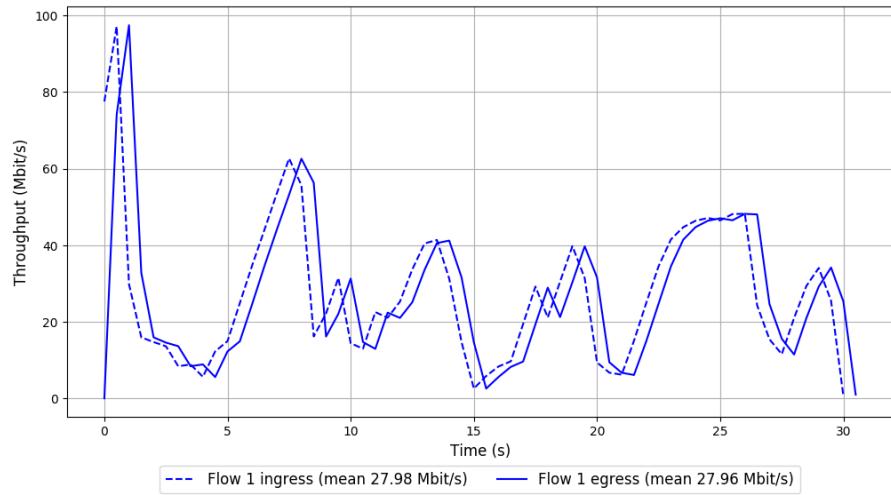


Run 1: Statistics of TCP Vegas

```
Start at: 2019-02-19 19:53:45
End at: 2019-02-19 19:54:15
Local clock offset: 2.973 ms
Remote clock offset: -6.664 ms

# Below is generated by plot.py at 2019-02-19 21:55:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.96 Mbit/s
95th percentile per-packet one-way delay: 17.451 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 27.96 Mbit/s
95th percentile per-packet one-way delay: 17.451 ms
Loss rate: 0.09%
```

Run 1: Report of TCP Vegas — Data Link

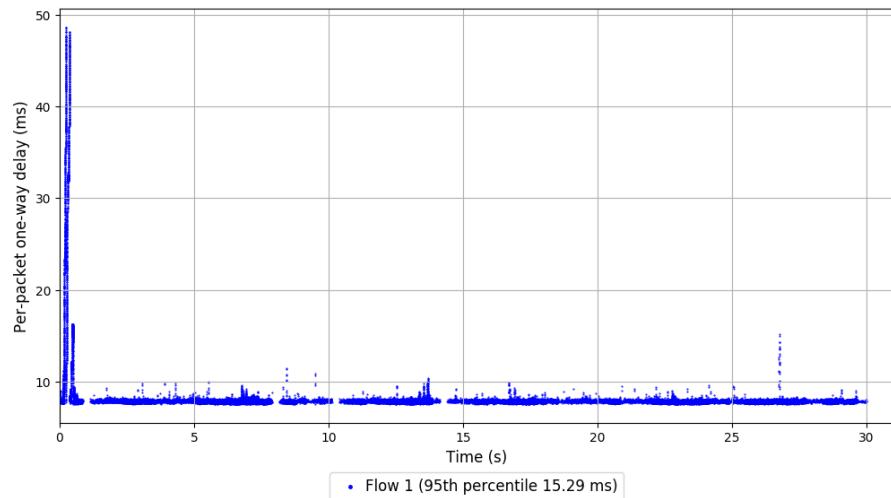
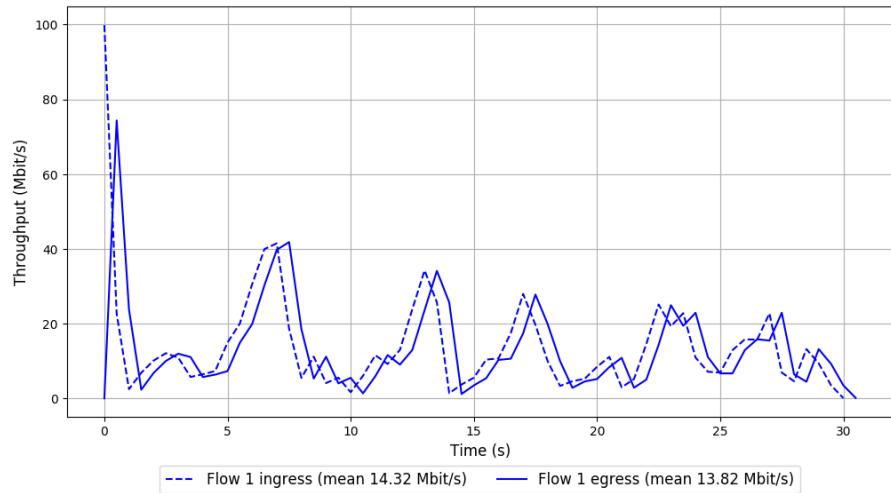


Run 2: Statistics of TCP Vegas

```
Start at: 2019-02-19 20:18:41
End at: 2019-02-19 20:19:11
Local clock offset: 2.449 ms
Remote clock offset: -2.752 ms

# Below is generated by plot.py at 2019-02-19 21:55:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.82 Mbit/s
95th percentile per-packet one-way delay: 15.287 ms
Loss rate: 3.47%
-- Flow 1:
Average throughput: 13.82 Mbit/s
95th percentile per-packet one-way delay: 15.287 ms
Loss rate: 3.47%
```

Run 2: Report of TCP Vegas — Data Link

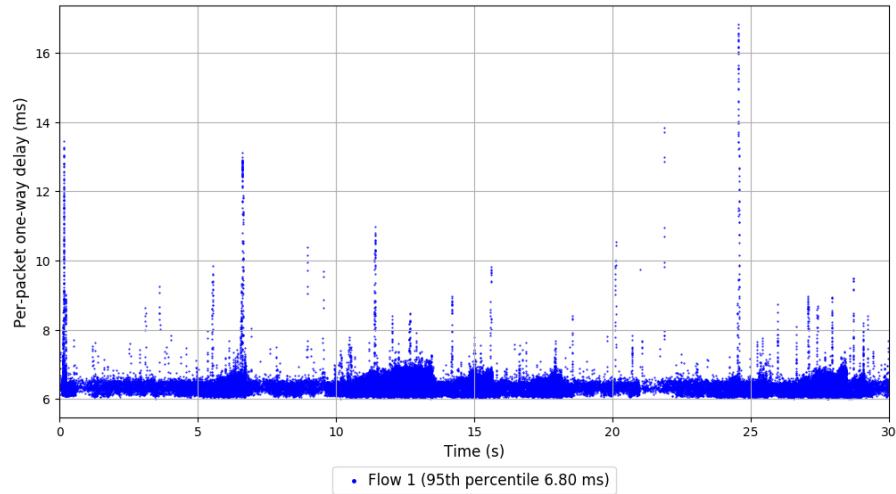
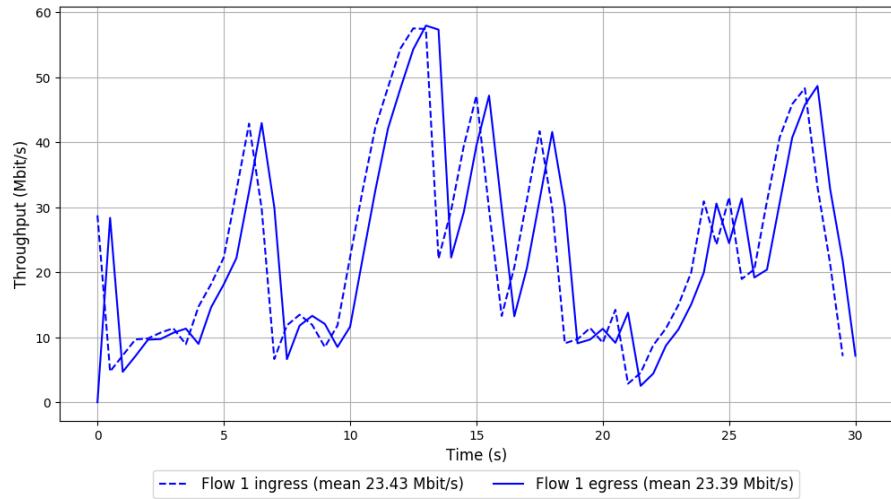


Run 3: Statistics of TCP Vegas

```
Start at: 2019-02-19 20:42:44
End at: 2019-02-19 20:43:14
Local clock offset: 0.978 ms
Remote clock offset: -4.422 ms

# Below is generated by plot.py at 2019-02-19 21:55:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.39 Mbit/s
95th percentile per-packet one-way delay: 6.805 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 23.39 Mbit/s
95th percentile per-packet one-way delay: 6.805 ms
Loss rate: 0.18%
```

Run 3: Report of TCP Vegas — Data Link

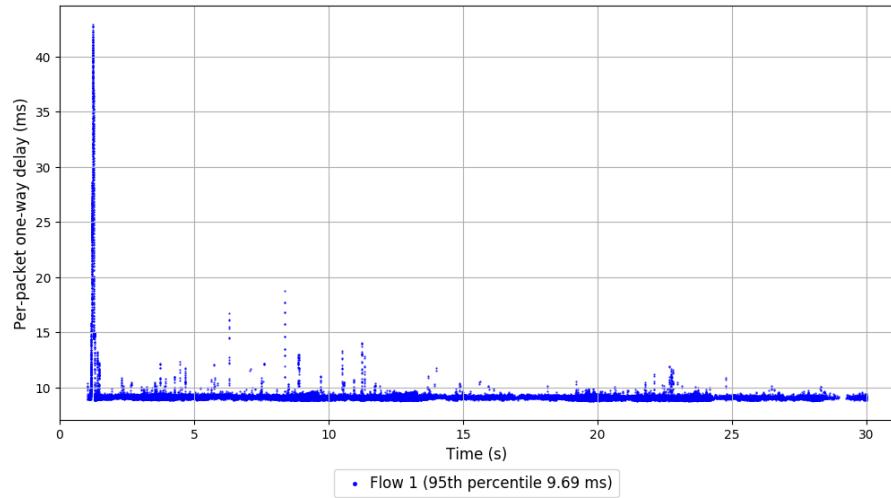
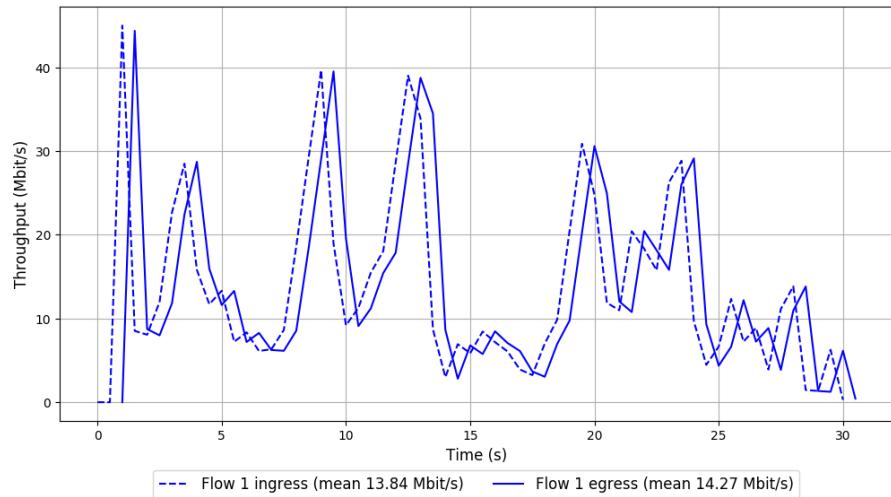


Run 4: Statistics of TCP Vegas

```
Start at: 2019-02-19 21:06:24
End at: 2019-02-19 21:06:54
Local clock offset: -2.576 ms
Remote clock offset: -3.298 ms

# Below is generated by plot.py at 2019-02-19 21:55:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.27 Mbit/s
95th percentile per-packet one-way delay: 9.689 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 14.27 Mbit/s
95th percentile per-packet one-way delay: 9.689 ms
Loss rate: 0.45%
```

Run 4: Report of TCP Vegas — Data Link

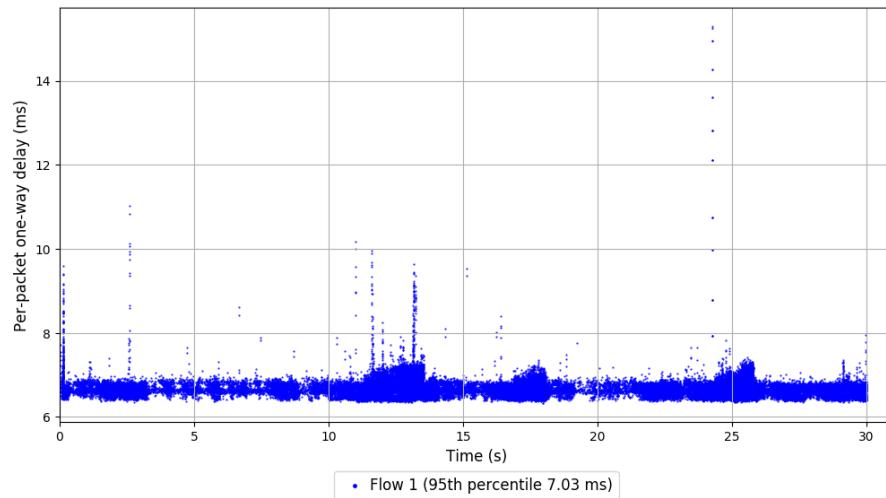
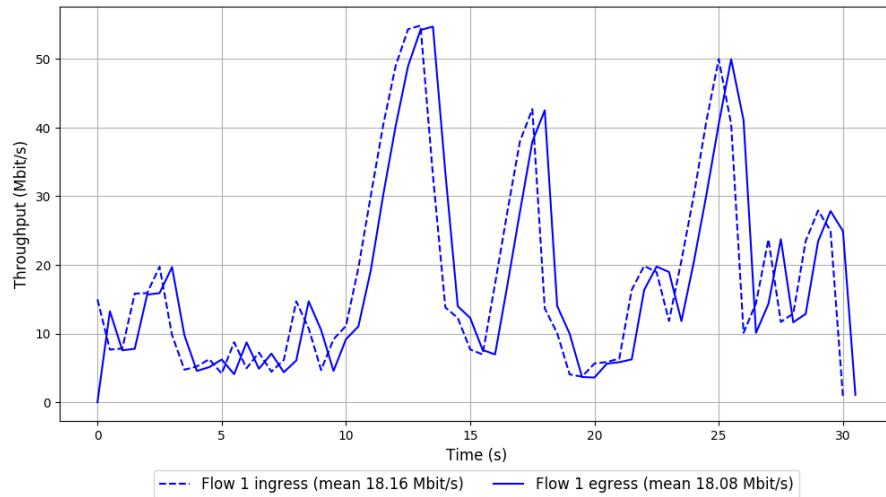


Run 5: Statistics of TCP Vegas

```
Start at: 2019-02-19 21:30:12
End at: 2019-02-19 21:30:42
Local clock offset: -0.835 ms
Remote clock offset: -2.429 ms

# Below is generated by plot.py at 2019-02-19 21:55:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.08 Mbit/s
95th percentile per-packet one-way delay: 7.033 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 18.08 Mbit/s
95th percentile per-packet one-way delay: 7.033 ms
Loss rate: 0.42%
```

Run 5: Report of TCP Vegas — Data Link

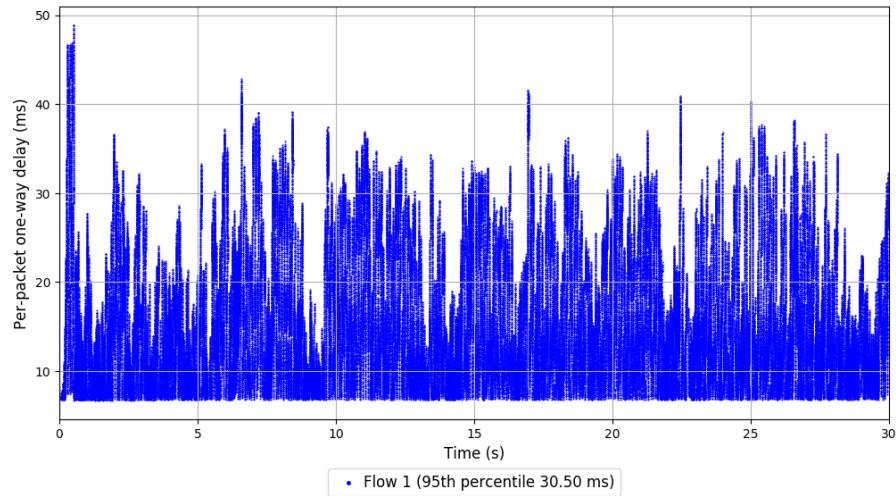
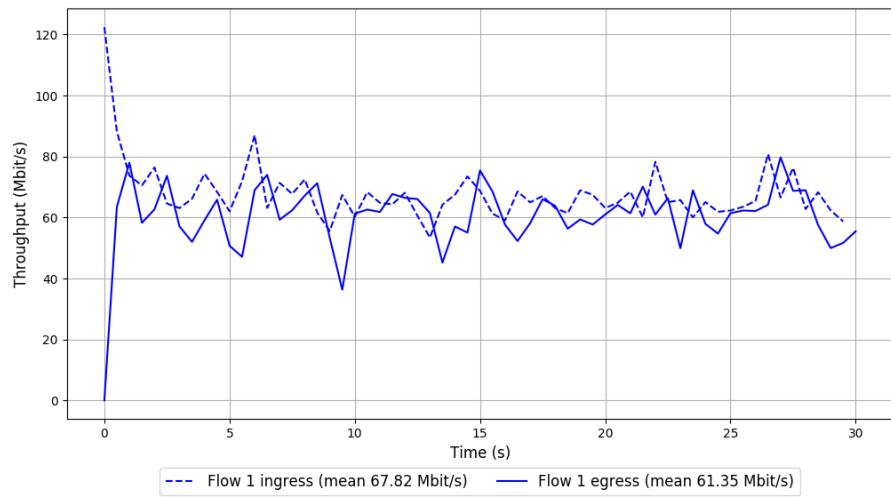


Run 1: Statistics of Verus

```
Start at: 2019-02-19 19:52:26
End at: 2019-02-19 19:52:56
Local clock offset: 2.085 ms
Remote clock offset: -6.096 ms

# Below is generated by plot.py at 2019-02-19 21:55:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.35 Mbit/s
95th percentile per-packet one-way delay: 30.502 ms
Loss rate: 9.49%
-- Flow 1:
Average throughput: 61.35 Mbit/s
95th percentile per-packet one-way delay: 30.502 ms
Loss rate: 9.49%
```

Run 1: Report of Verus — Data Link

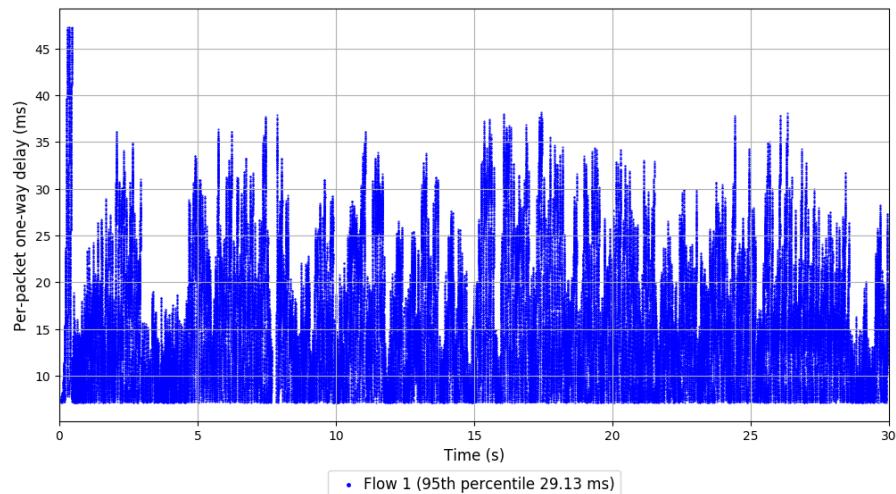
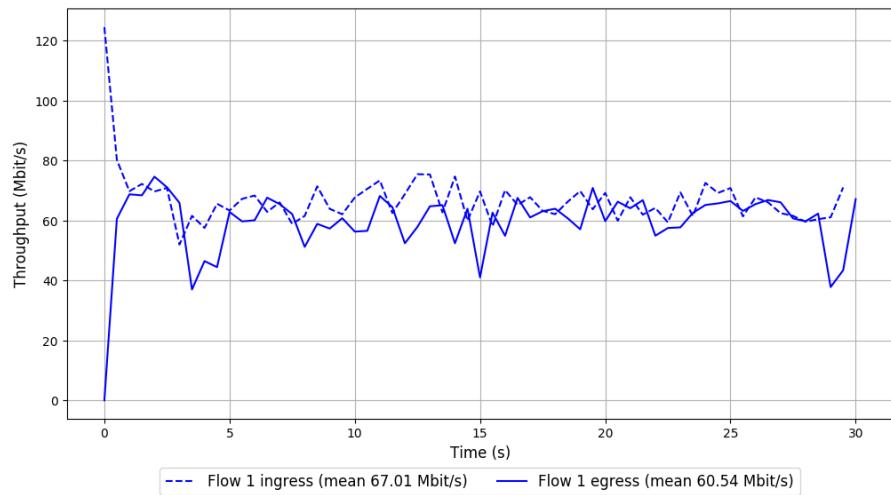


Run 2: Statistics of Verus

```
Start at: 2019-02-19 20:17:24
End at: 2019-02-19 20:17:54
Local clock offset: 2.692 ms
Remote clock offset: -2.839 ms

# Below is generated by plot.py at 2019-02-19 21:55:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.54 Mbit/s
95th percentile per-packet one-way delay: 29.129 ms
Loss rate: 9.62%
-- Flow 1:
Average throughput: 60.54 Mbit/s
95th percentile per-packet one-way delay: 29.129 ms
Loss rate: 9.62%
```

Run 2: Report of Verus — Data Link

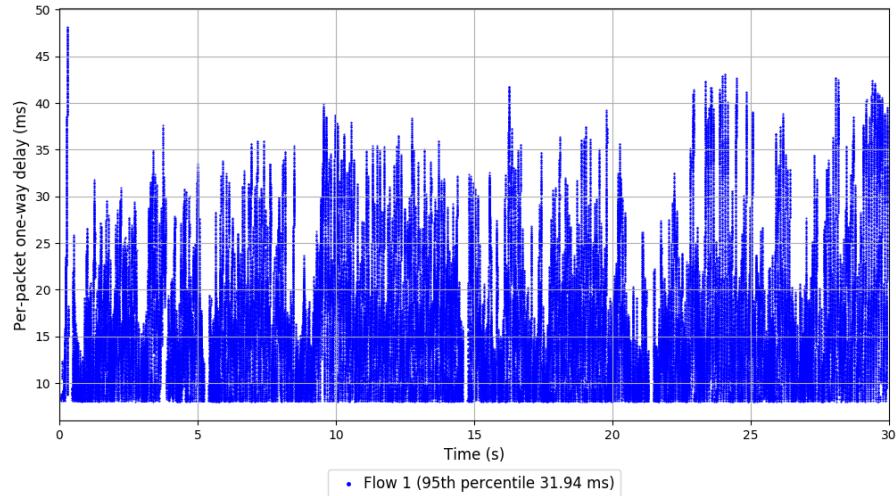
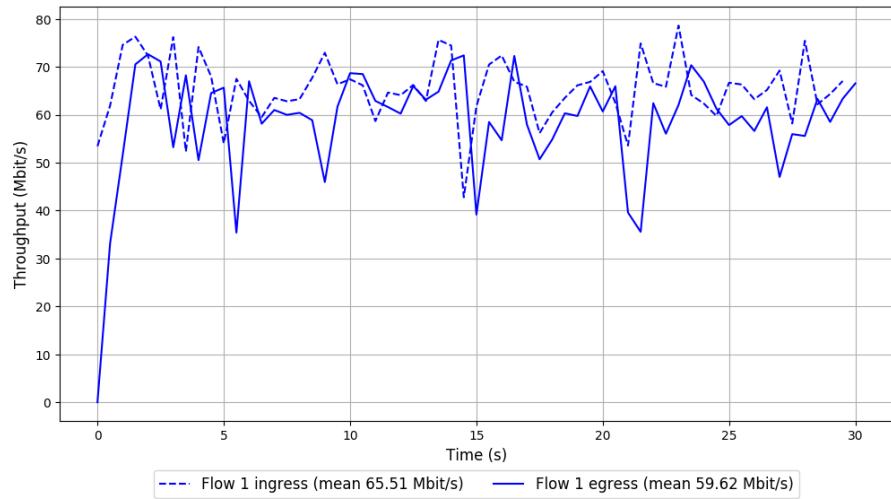


Run 3: Statistics of Verus

```
Start at: 2019-02-19 20:41:34
End at: 2019-02-19 20:42:04
Local clock offset: -0.786 ms
Remote clock offset: -4.161 ms

# Below is generated by plot.py at 2019-02-19 21:55:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.62 Mbit/s
95th percentile per-packet one-way delay: 31.943 ms
Loss rate: 8.91%
-- Flow 1:
Average throughput: 59.62 Mbit/s
95th percentile per-packet one-way delay: 31.943 ms
Loss rate: 8.91%
```

Run 3: Report of Verus — Data Link

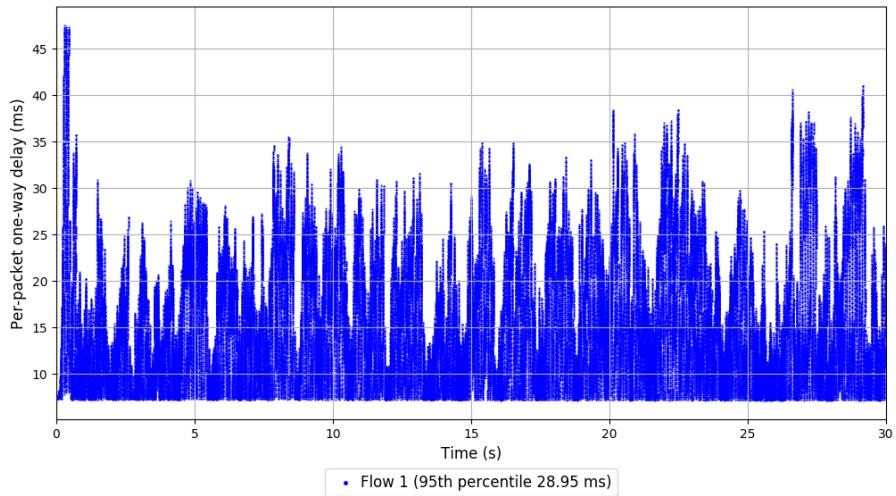
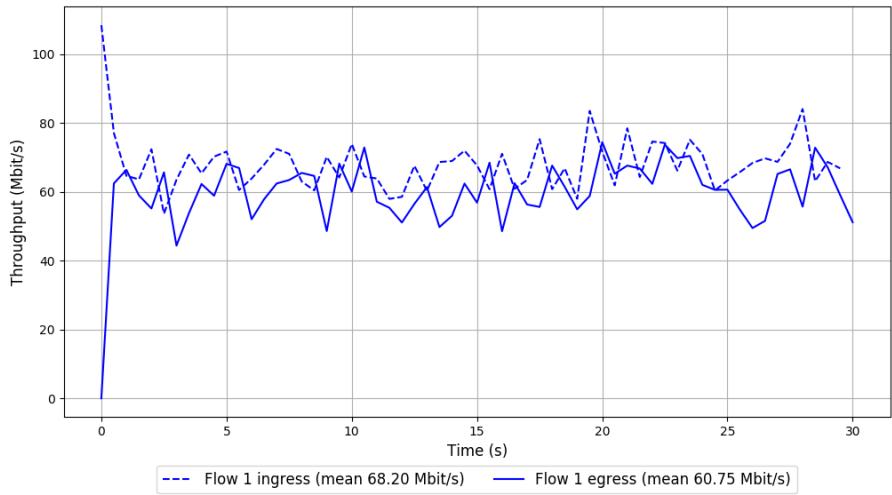


Run 4: Statistics of Verus

```
Start at: 2019-02-19 21:05:13
End at: 2019-02-19 21:05:43
Local clock offset: -0.075 ms
Remote clock offset: -2.133 ms

# Below is generated by plot.py at 2019-02-19 21:55:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.75 Mbit/s
95th percentile per-packet one-way delay: 28.946 ms
Loss rate: 10.91%
-- Flow 1:
Average throughput: 60.75 Mbit/s
95th percentile per-packet one-way delay: 28.946 ms
Loss rate: 10.91%
```

Run 4: Report of Verus — Data Link

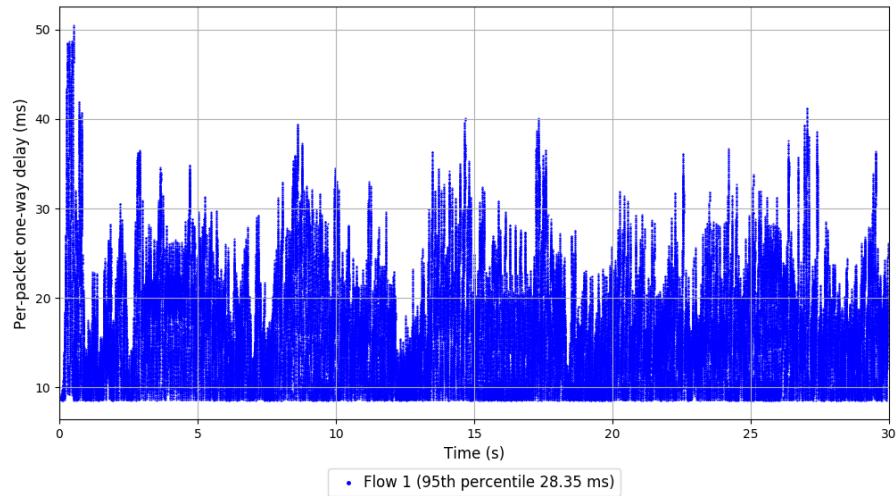
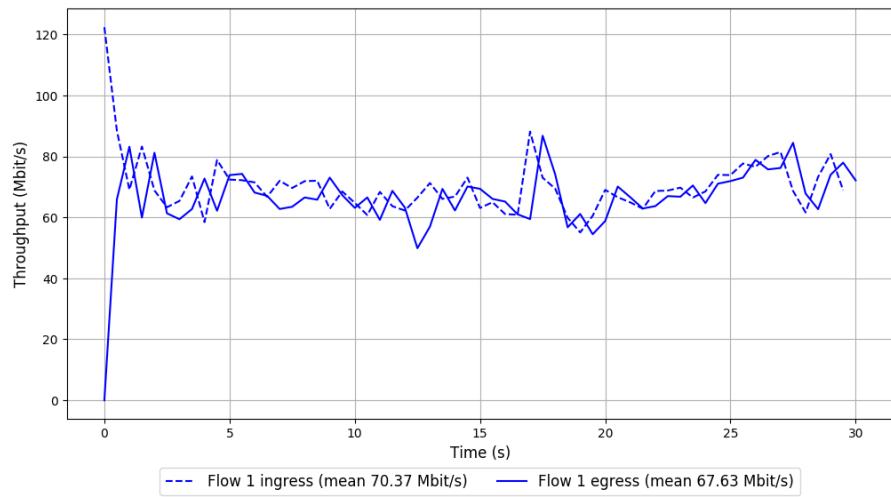


Run 5: Statistics of Verus

```
Start at: 2019-02-19 21:28:57
End at: 2019-02-19 21:29:27
Local clock offset: -3.132 ms
Remote clock offset: -1.923 ms

# Below is generated by plot.py at 2019-02-19 21:55:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.63 Mbit/s
95th percentile per-packet one-way delay: 28.352 ms
Loss rate: 3.84%
-- Flow 1:
Average throughput: 67.63 Mbit/s
95th percentile per-packet one-way delay: 28.352 ms
Loss rate: 3.84%
```

Run 5: Report of Verus — Data Link

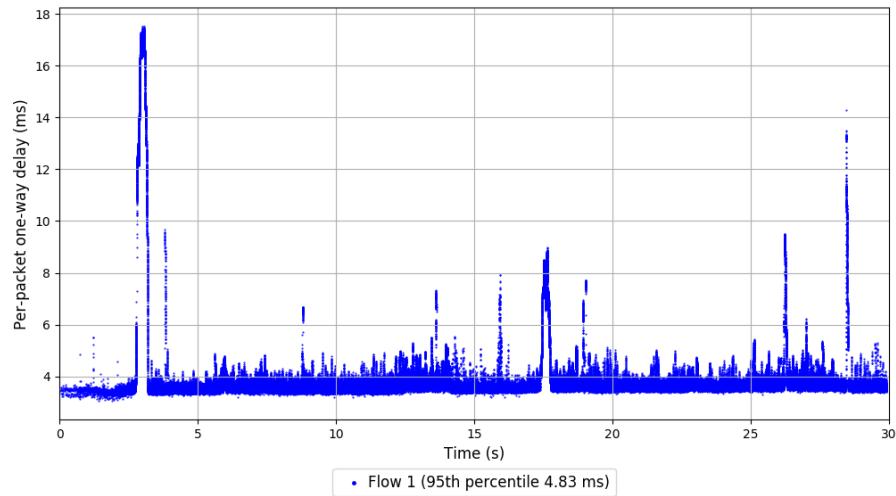
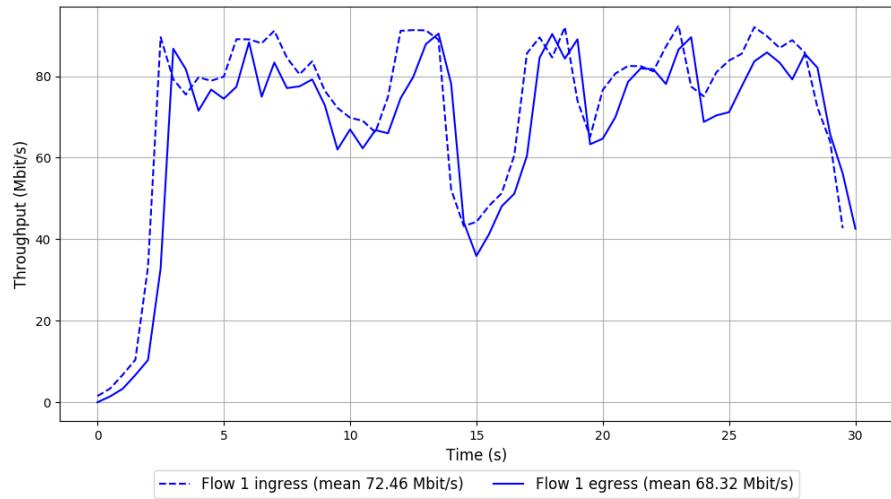


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-02-19 19:57:24
End at: 2019-02-19 19:57:54
Local clock offset: 5.775 ms
Remote clock offset: -5.195 ms

# Below is generated by plot.py at 2019-02-19 21:55:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.32 Mbit/s
95th percentile per-packet one-way delay: 4.834 ms
Loss rate: 5.71%
-- Flow 1:
Average throughput: 68.32 Mbit/s
95th percentile per-packet one-way delay: 4.834 ms
Loss rate: 5.71%
```

Run 1: Report of PCC-Vivace — Data Link

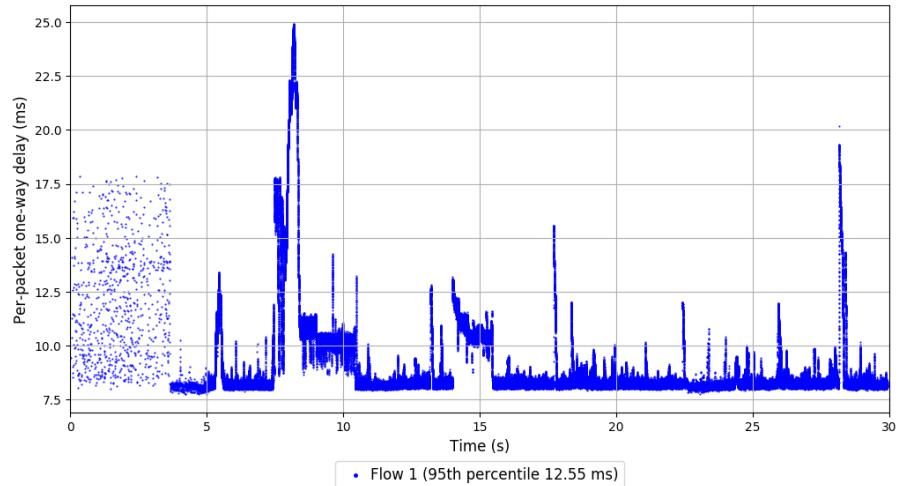
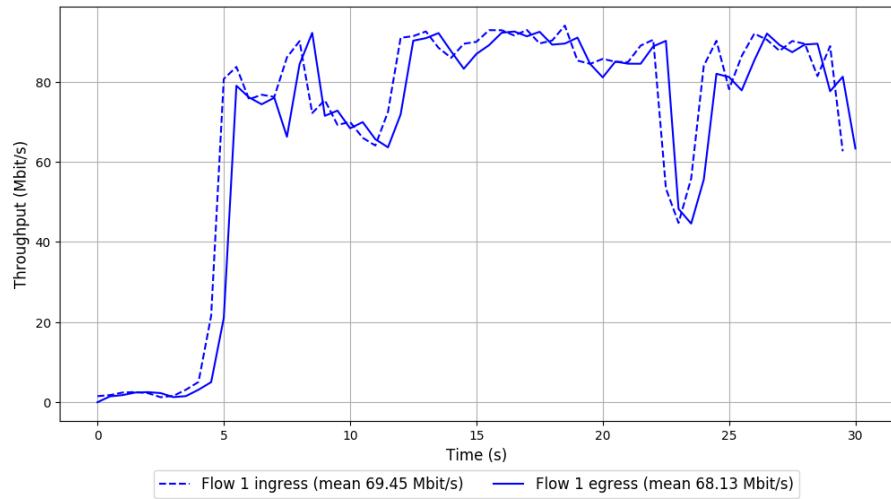


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-02-19 20:22:07
End at: 2019-02-19 20:22:37
Local clock offset: -0.25 ms
Remote clock offset: -4.378 ms

# Below is generated by plot.py at 2019-02-19 21:55:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.13 Mbit/s
95th percentile per-packet one-way delay: 12.548 ms
Loss rate: 1.90%
-- Flow 1:
Average throughput: 68.13 Mbit/s
95th percentile per-packet one-way delay: 12.548 ms
Loss rate: 1.90%
```

Run 2: Report of PCC-Vivace — Data Link

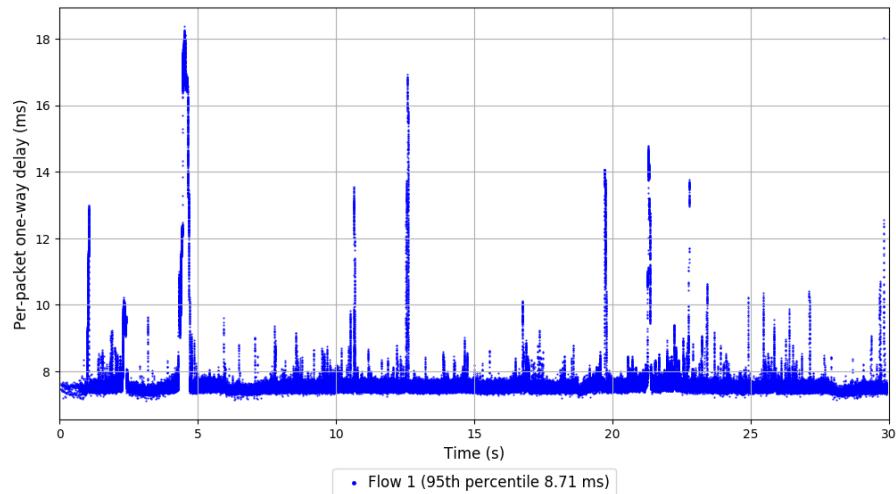
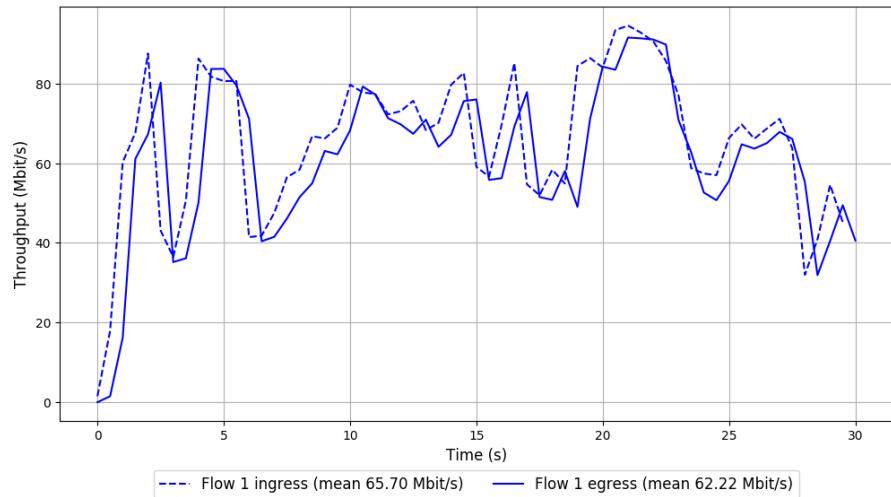


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-02-19 20:46:09
End at: 2019-02-19 20:46:39
Local clock offset: -0.979 ms
Remote clock offset: -5.015 ms

# Below is generated by plot.py at 2019-02-19 21:55:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.22 Mbit/s
95th percentile per-packet one-way delay: 8.712 ms
Loss rate: 5.30%
-- Flow 1:
Average throughput: 62.22 Mbit/s
95th percentile per-packet one-way delay: 8.712 ms
Loss rate: 5.30%
```

Run 3: Report of PCC-Vivace — Data Link

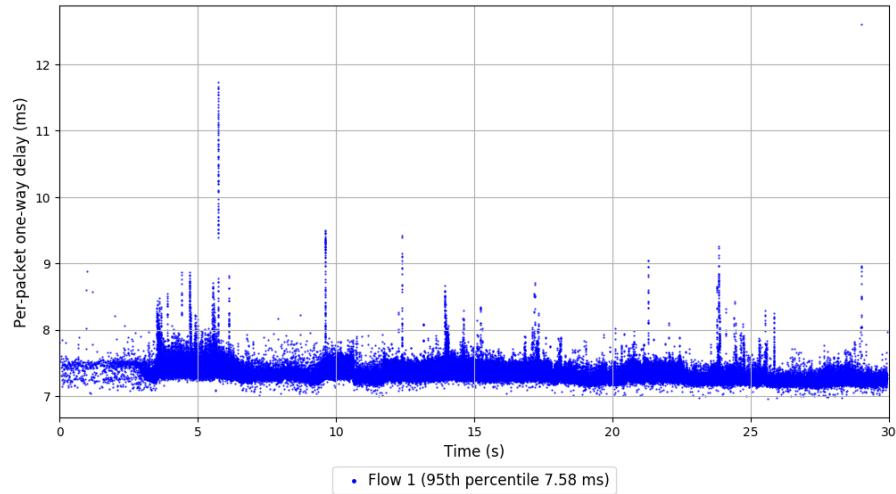
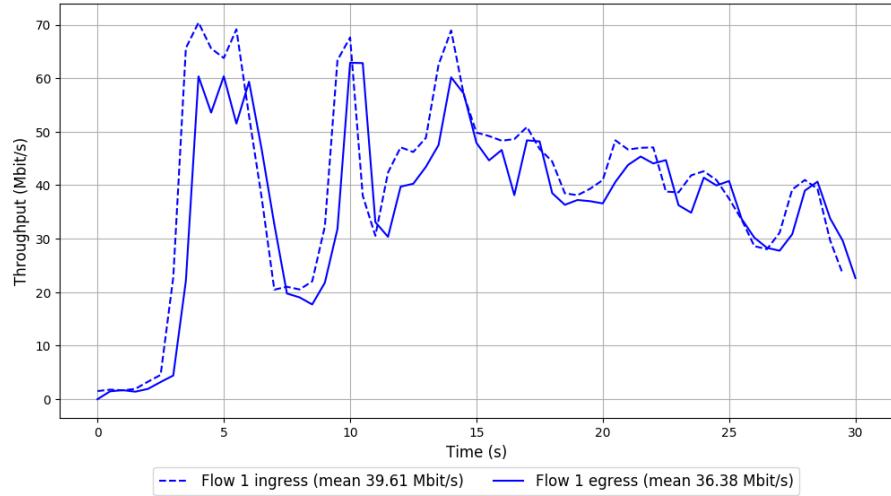


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-02-19 21:09:45
End at: 2019-02-19 21:10:15
Local clock offset: 0.127 ms
Remote clock offset: -1.66 ms

# Below is generated by plot.py at 2019-02-19 21:56:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.38 Mbit/s
95th percentile per-packet one-way delay: 7.582 ms
Loss rate: 8.17%
-- Flow 1:
Average throughput: 36.38 Mbit/s
95th percentile per-packet one-way delay: 7.582 ms
Loss rate: 8.17%
```

Run 4: Report of PCC-Vivace — Data Link

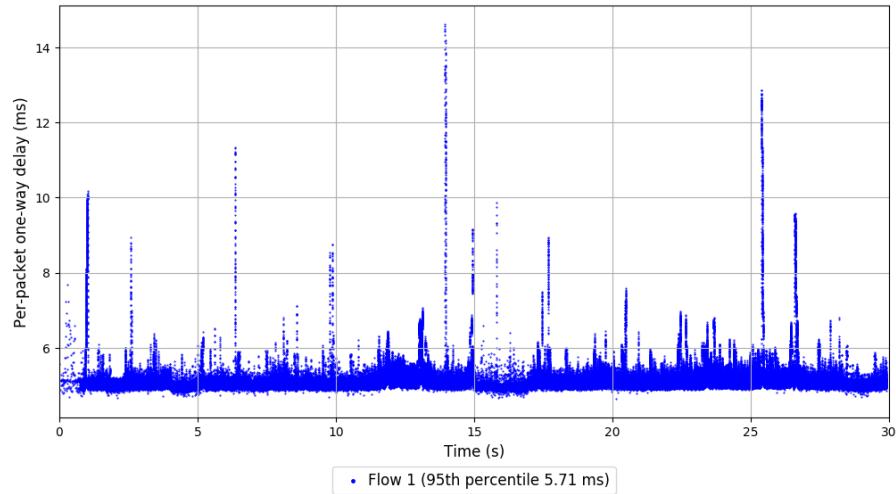
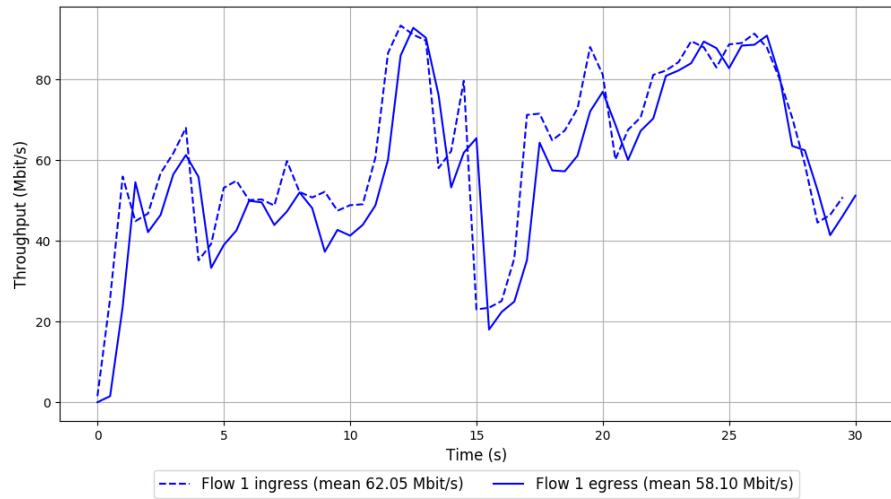


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-02-19 21:33:41
End at: 2019-02-19 21:34:11
Local clock offset: -0.181 ms
Remote clock offset: -3.207 ms

# Below is generated by plot.py at 2019-02-19 21:56:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 5.707 ms
Loss rate: 6.36%
-- Flow 1:
Average throughput: 58.10 Mbit/s
95th percentile per-packet one-way delay: 5.707 ms
Loss rate: 6.36%
```

Run 5: Report of PCC-Vivace — Data Link

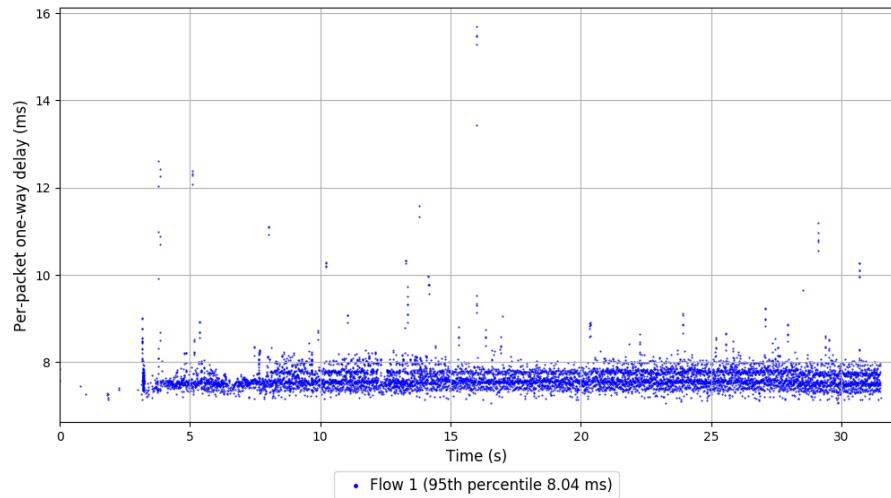
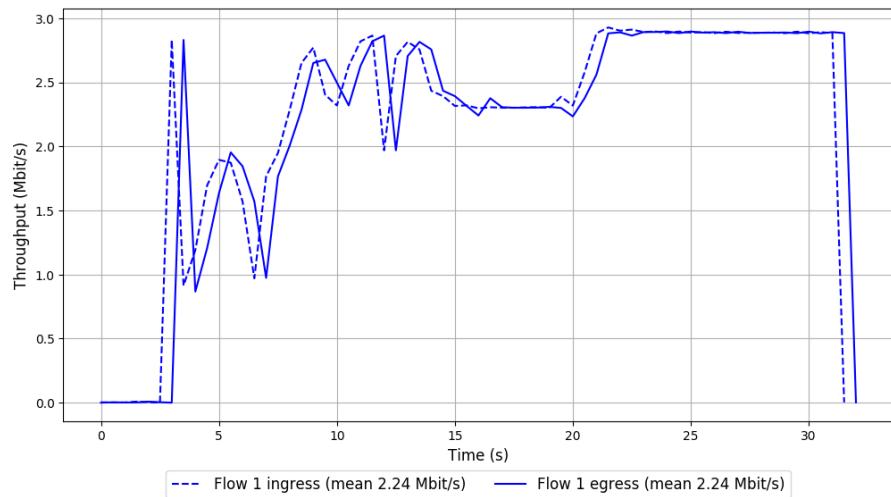


```
Run 1: Statistics of WebRTC media

Start at: 2019-02-19 20:09:10
End at: 2019-02-19 20:09:41
Local clock offset: 2.834 ms
Remote clock offset: -2.679 ms

# Below is generated by plot.py at 2019-02-19 21:56:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 8.038 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 2.24 Mbit/s
95th percentile per-packet one-way delay: 8.038 ms
Loss rate: 0.15%
```

Run 1: Report of WebRTC media — Data Link

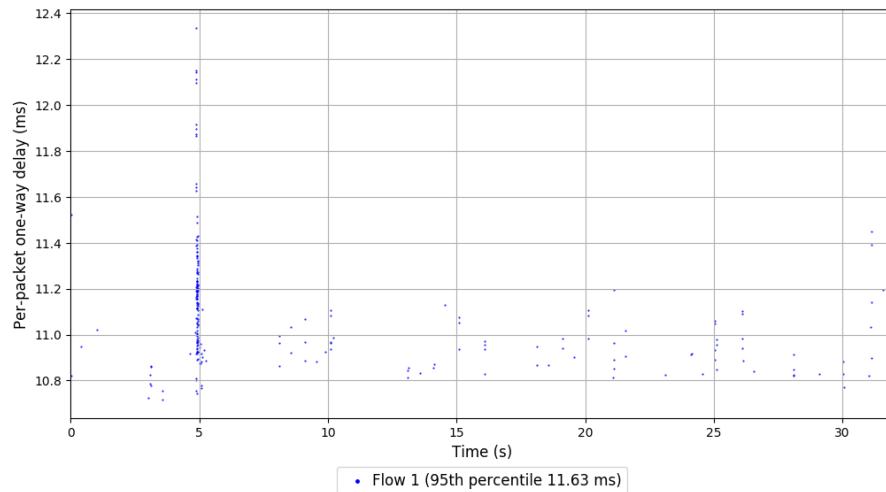
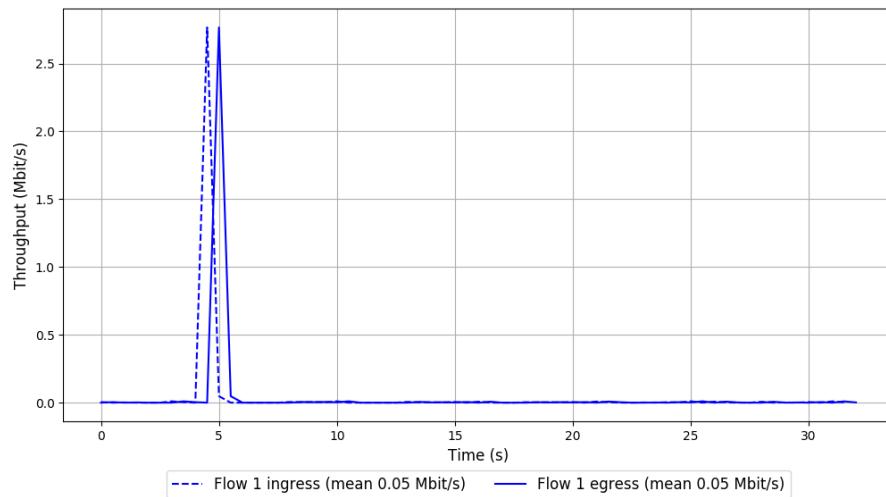


Run 2: Statistics of WebRTC media

```
Start at: 2019-02-19 20:33:34
End at: 2019-02-19 20:34:04
Local clock offset: -0.81 ms
Remote clock offset: -2.16 ms

# Below is generated by plot.py at 2019-02-19 21:56:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 11.626 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 11.626 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

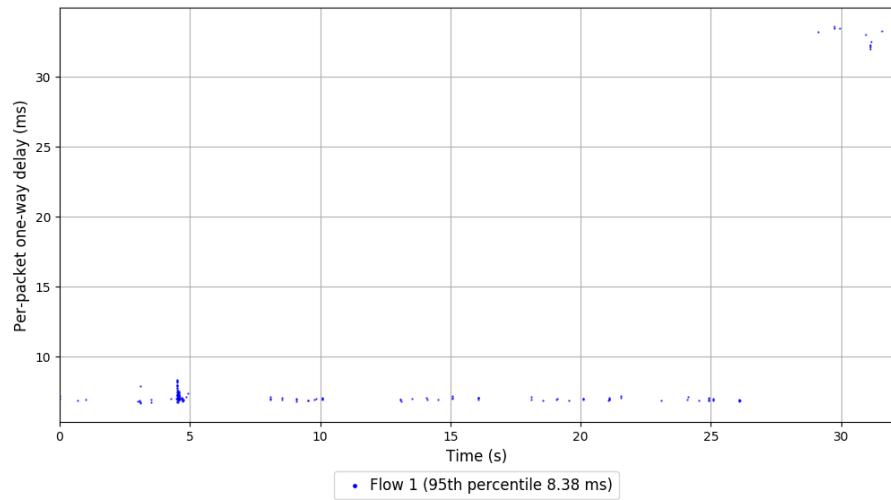
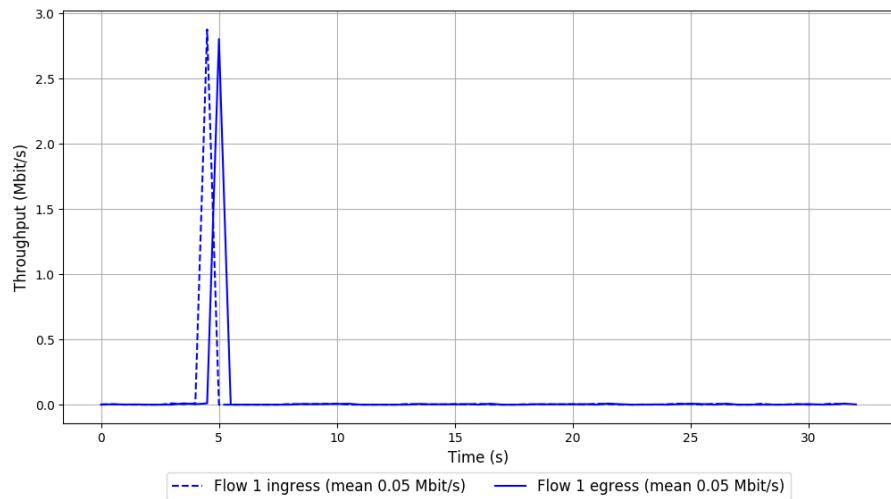


Run 3: Statistics of WebRTC media

```
Start at: 2019-02-19 20:57:22
End at: 2019-02-19 20:57:53
Local clock offset: 2.581 ms
Remote clock offset: -1.776 ms

# Below is generated by plot.py at 2019-02-19 21:56:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 8.379 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 8.379 ms
Loss rate: 2.69%
```

Run 3: Report of WebRTC media — Data Link

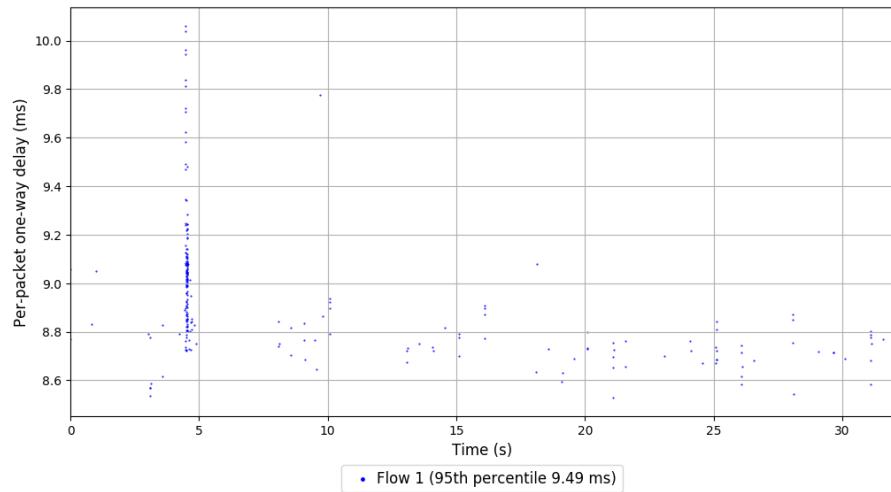
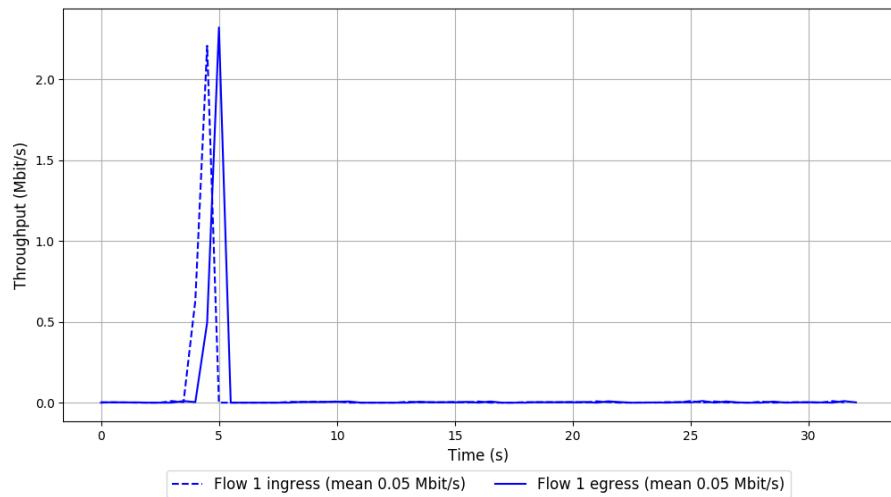


Run 4: Statistics of WebRTC media

```
Start at: 2019-02-19 21:21:02
End at: 2019-02-19 21:21:32
Local clock offset: -1.64 ms
Remote clock offset: -1.103 ms

# Below is generated by plot.py at 2019-02-19 21:56:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 9.491 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 9.491 ms
Loss rate: 0.80%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-02-19 21:44:56
End at: 2019-02-19 21:45:26
Local clock offset: -3.794 ms
Remote clock offset: -2.269 ms

# Below is generated by plot.py at 2019-02-19 21:56:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 10.029 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 10.029 ms
Loss rate: 0.80%
```

Run 5: Report of WebRTC media — Data Link

