

Pantheon Report

Generated at 2019-07-17 19:53:15 (UTC).
Data path: AWS Brazil 2 on `ens5` (*local*) → Colombia on `p4p1` (*remote*).
Repeated the test of 24 congestion control schemes 5 times.
Each test lasted for 30 seconds running 1 flow.
NTP offsets were measured against `gps.ntp.br` and have been applied to correct the timestamps in logs.

System info:

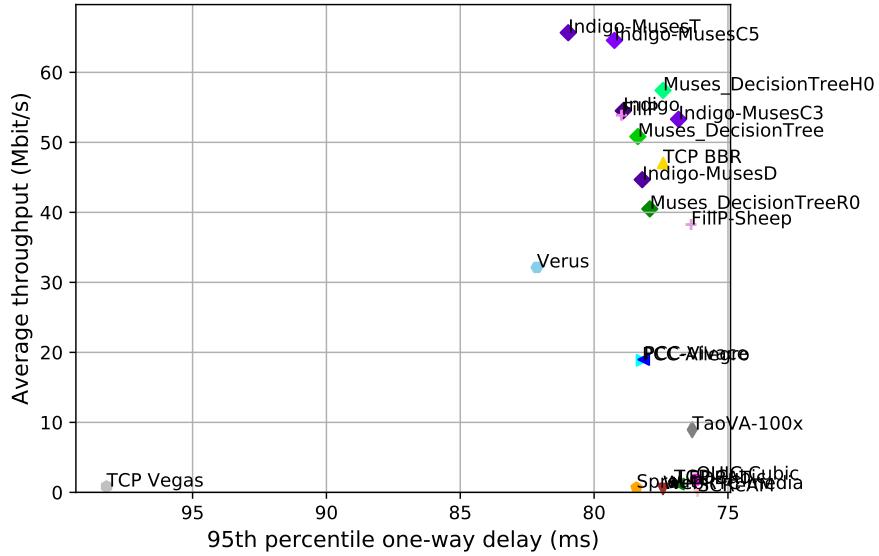
```
Linux 4.15.0-1043-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

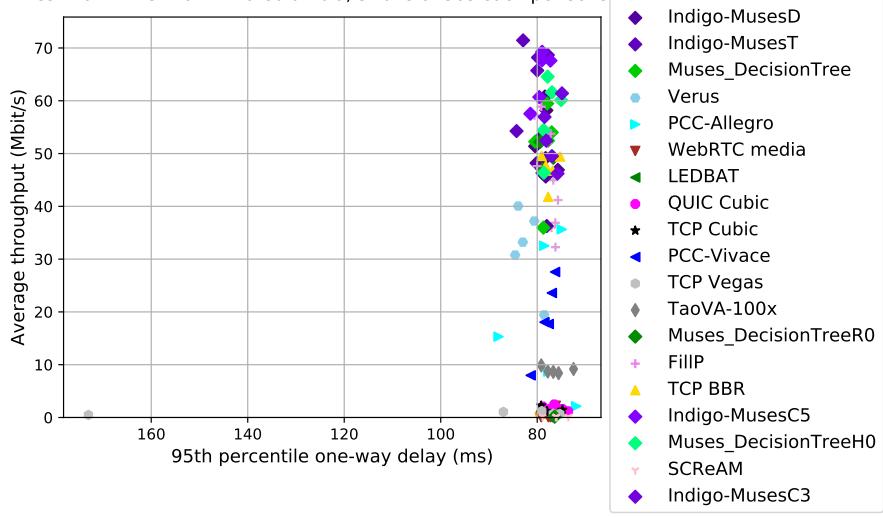
```
branch: muses @ de42328552b3776a75a932a94dfaf722537b0ec
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d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

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

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



test from AWS Brazil 2 to Colombia, 5 runs of 30s each per scheme



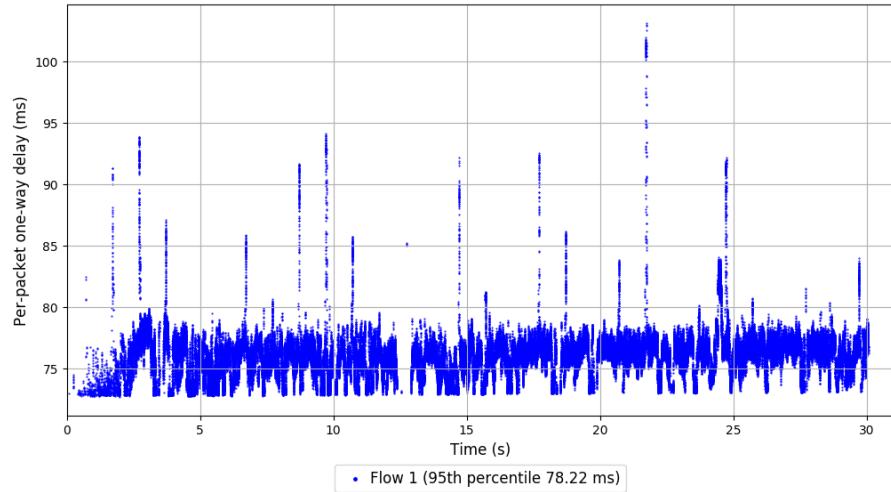
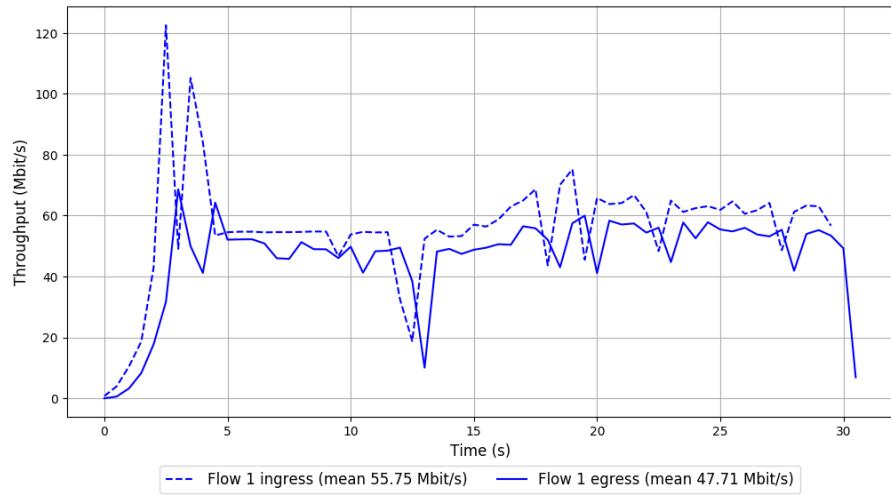
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	47.05	77.42	13.54
Copa	0	N/A	N/A	N/A
TCP Cubic	5	1.33	77.01	2.01
FillP	5	53.88	78.98	12.63
FillP-Sheep	5	38.26	76.38	10.77
Indigo	5	54.51	78.91	32.27
Indigo-MusesC3	5	53.30	76.85	13.69
Indigo-MusesC5	5	64.56	79.24	29.59
Indigo-MusesD	5	44.66	78.20	14.39
Indigo-MusesT	5	65.66	80.97	27.28
LEDBAT	5	1.18	76.85	2.95
Muses_DecisionTree	5	50.82	78.37	12.26
Muses_DecisionTreeH0	5	57.42	77.42	13.25
Muses_DecisionTreeR0	5	40.50	77.92	10.16
PCC-Allegro	5	18.86	78.21	2.82
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	1.82	76.19	2.11
SCReAM	5	0.15	76.13	1.26
Sprout	5	0.68	78.42	5.33
TaoVA-100x	5	8.96	76.34	15.33
TCP Vegas	5	0.84	98.21	1.89
Verus	5	32.14	82.14	86.67
PCC-Vivace	5	18.98	78.15	2.22
WebRTC media	5	0.48	77.43	6.03

Run 1: Statistics of TCP BBR

```
Start at: 2019-07-17 17:27:45
End at: 2019-07-17 17:28:15
Local clock offset: -11.312 ms
Remote clock offset: -6.699 ms

# Below is generated by plot.py at 2019-07-17 19:47:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.71 Mbit/s
95th percentile per-packet one-way delay: 78.223 ms
Loss rate: 14.42%
-- Flow 1:
Average throughput: 47.71 Mbit/s
95th percentile per-packet one-way delay: 78.223 ms
Loss rate: 14.42%
```

Run 1: Report of TCP BBR — Data Link

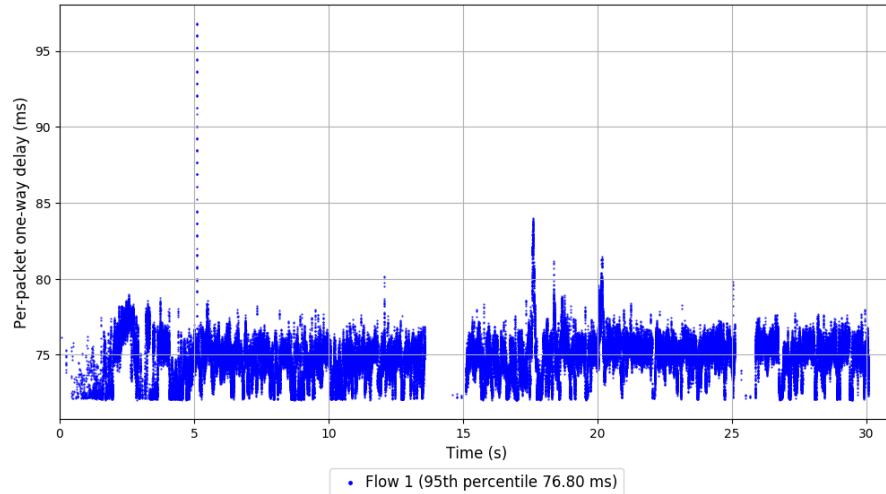
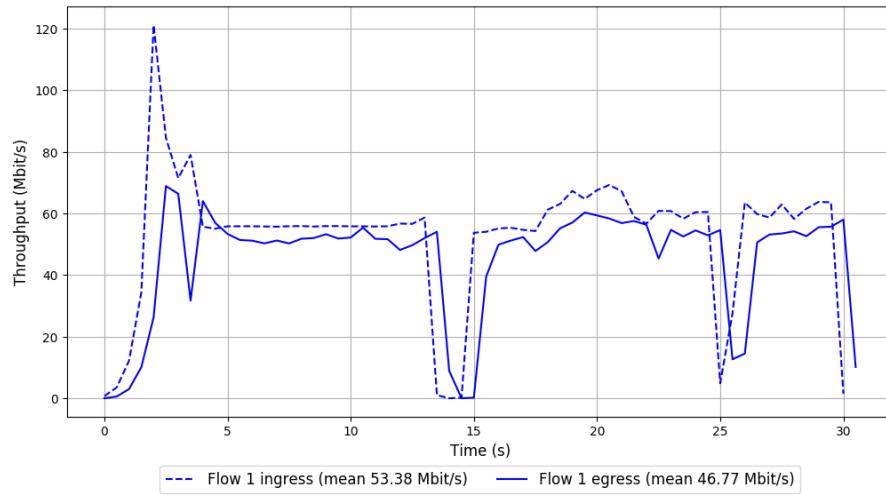


Run 2: Statistics of TCP BBR

```
Start at: 2019-07-17 17:55:49
End at: 2019-07-17 17:56:19
Local clock offset: -6.421 ms
Remote clock offset: -9.005 ms

# Below is generated by plot.py at 2019-07-17 19:47:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.77 Mbit/s
95th percentile per-packet one-way delay: 76.801 ms
Loss rate: 12.38%
-- Flow 1:
Average throughput: 46.77 Mbit/s
95th percentile per-packet one-way delay: 76.801 ms
Loss rate: 12.38%
```

Run 2: Report of TCP BBR — Data Link

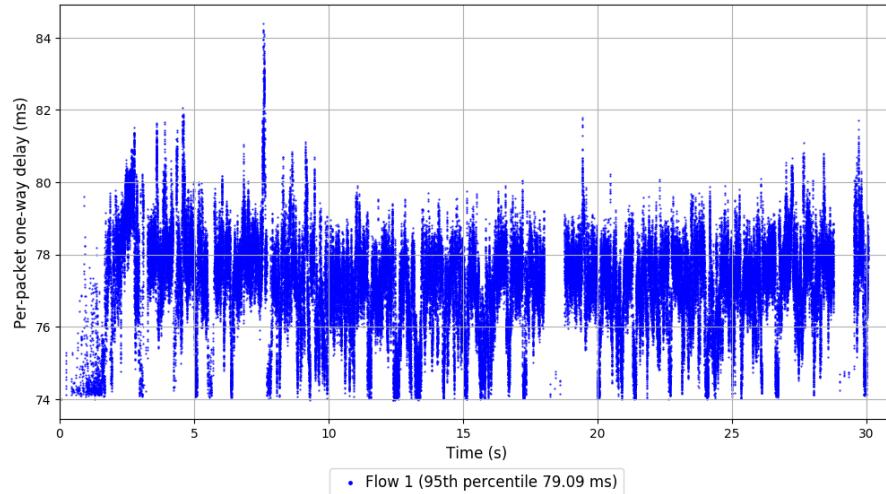
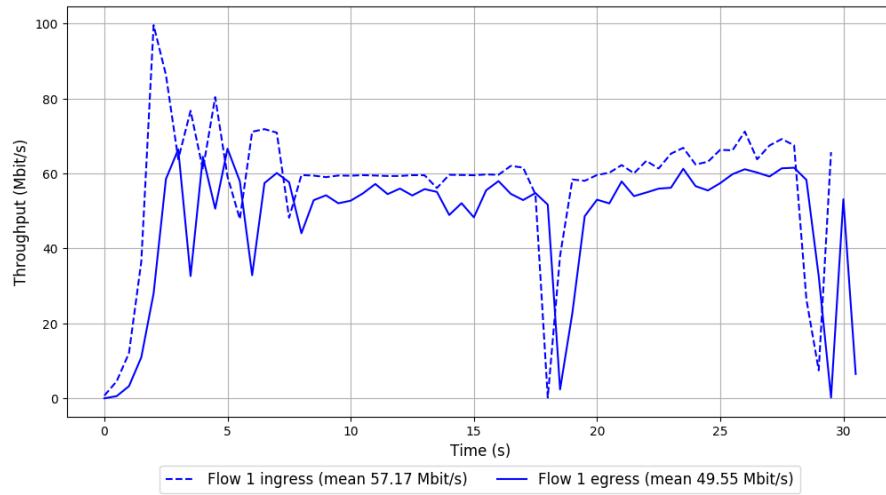


Run 3: Statistics of TCP BBR

```
Start at: 2019-07-17 18:23:43
End at: 2019-07-17 18:24:13
Local clock offset: -6.215 ms
Remote clock offset: -5.073 ms

# Below is generated by plot.py at 2019-07-17 19:47:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.55 Mbit/s
95th percentile per-packet one-way delay: 79.095 ms
Loss rate: 13.32%
-- Flow 1:
Average throughput: 49.55 Mbit/s
95th percentile per-packet one-way delay: 79.095 ms
Loss rate: 13.32%
```

Run 3: Report of TCP BBR — Data Link

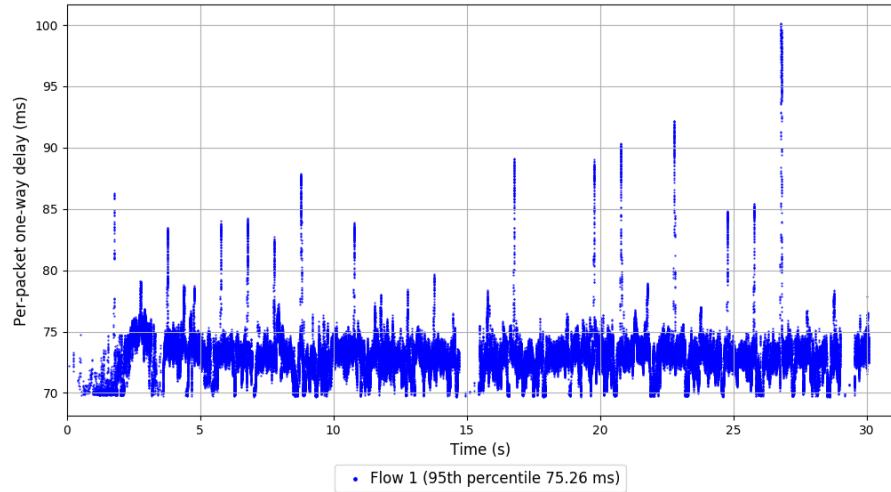
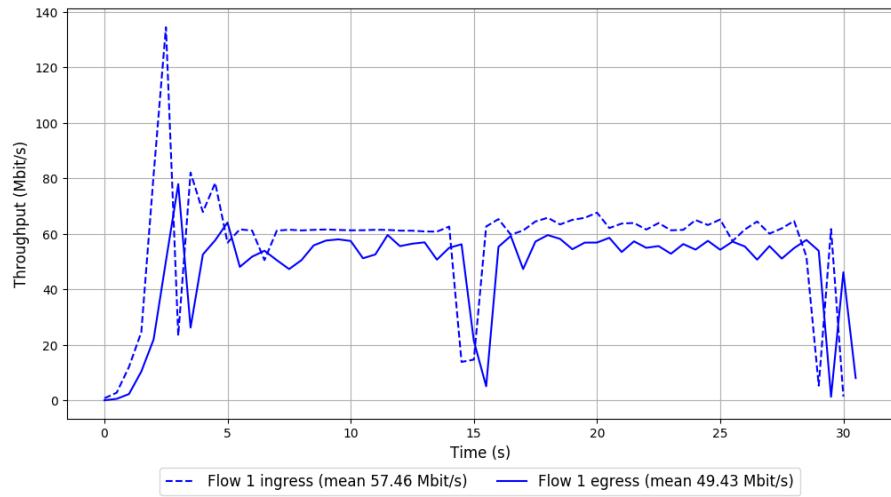


Run 4: Statistics of TCP BBR

```
Start at: 2019-07-17 18:51:33
End at: 2019-07-17 18:52:03
Local clock offset: -6.334 ms
Remote clock offset: -6.909 ms

# Below is generated by plot.py at 2019-07-17 19:47:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.43 Mbit/s
95th percentile per-packet one-way delay: 75.263 ms
Loss rate: 13.96%
-- Flow 1:
Average throughput: 49.43 Mbit/s
95th percentile per-packet one-way delay: 75.263 ms
Loss rate: 13.96%
```

Run 4: Report of TCP BBR — Data Link

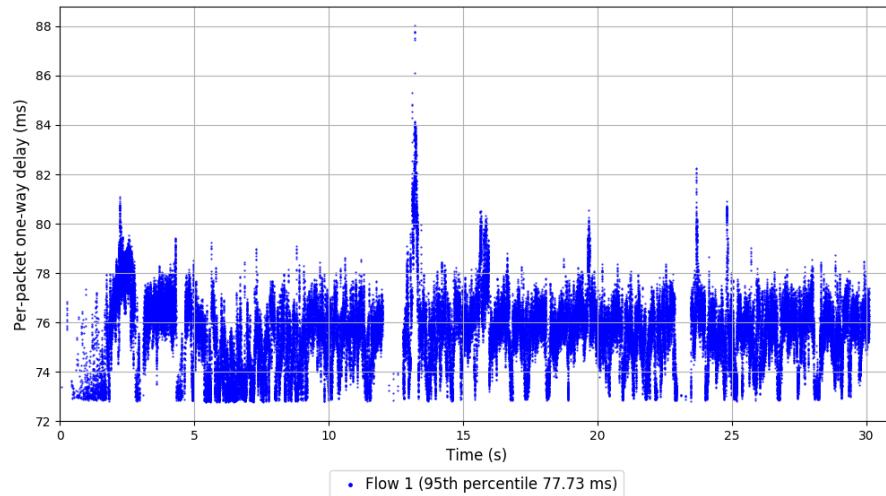
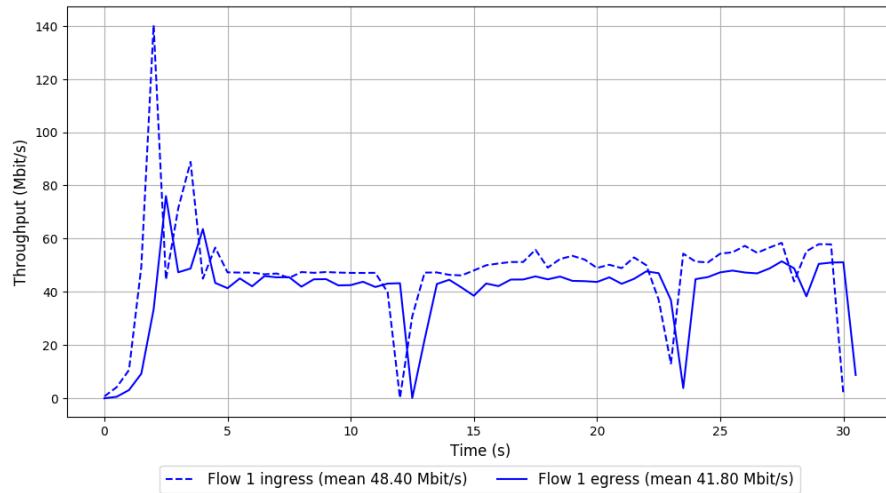


Run 5: Statistics of TCP BBR

```
Start at: 2019-07-17 19:19:43
End at: 2019-07-17 19:20:13
Local clock offset: -6.019 ms
Remote clock offset: -5.576 ms

# Below is generated by plot.py at 2019-07-17 19:47:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.80 Mbit/s
95th percentile per-packet one-way delay: 77.729 ms
Loss rate: 13.63%
-- Flow 1:
Average throughput: 41.80 Mbit/s
95th percentile per-packet one-way delay: 77.729 ms
Loss rate: 13.63%
```

Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

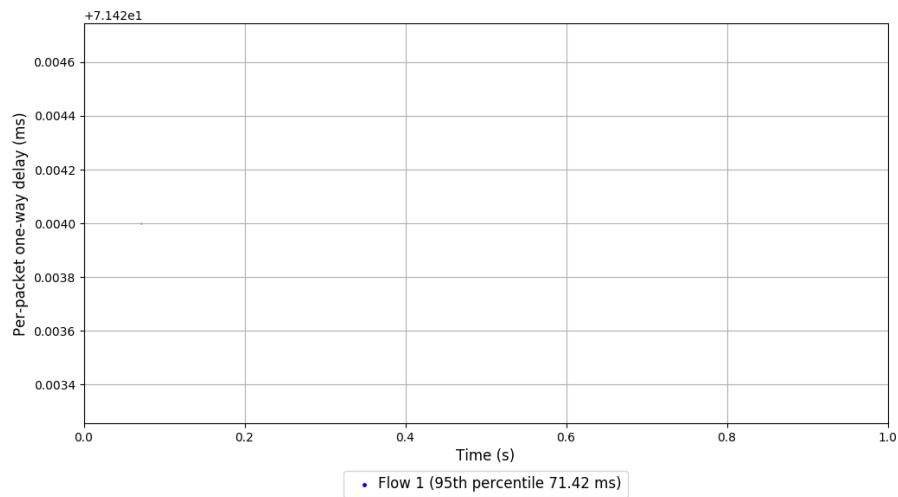
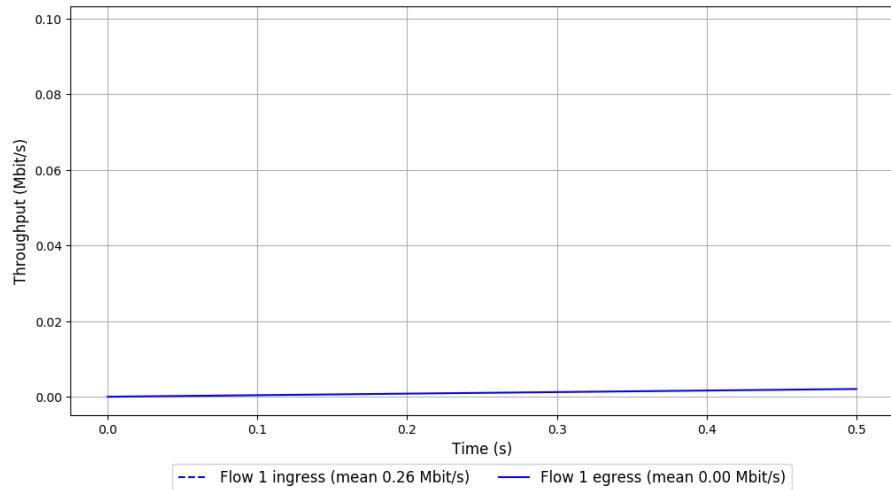
Start at: 2019-07-17 17:51:10

End at: 2019-07-17 17:51:40

Local clock offset: -6.525 ms

Remote clock offset: -9.656 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

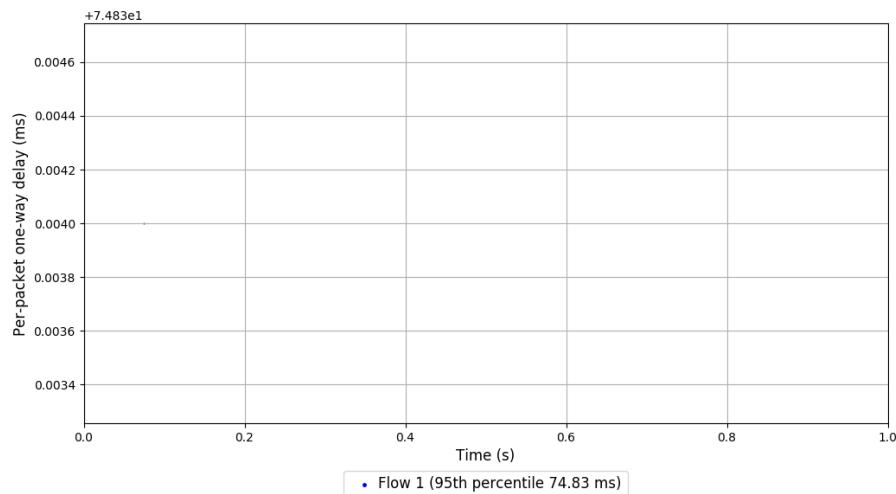
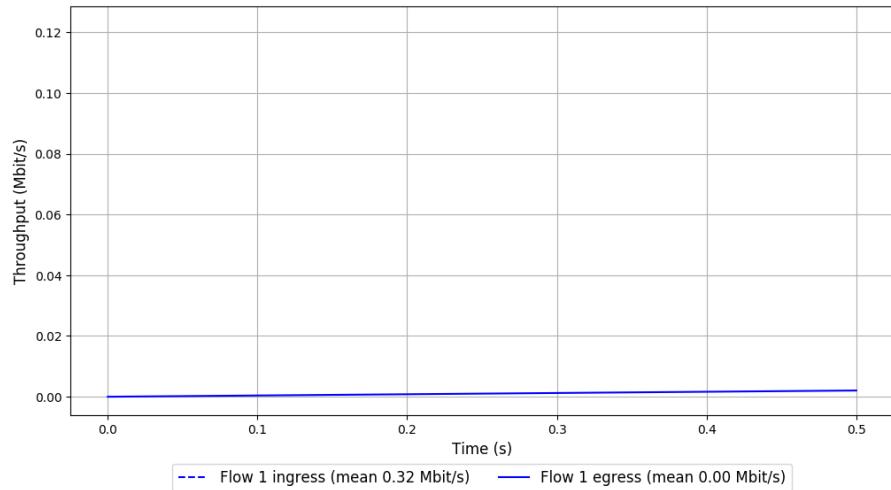
Start at: 2019-07-17 18:19:06

End at: 2019-07-17 18:19:36

Local clock offset: -6.244 ms

Remote clock offset: -4.897 ms

Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

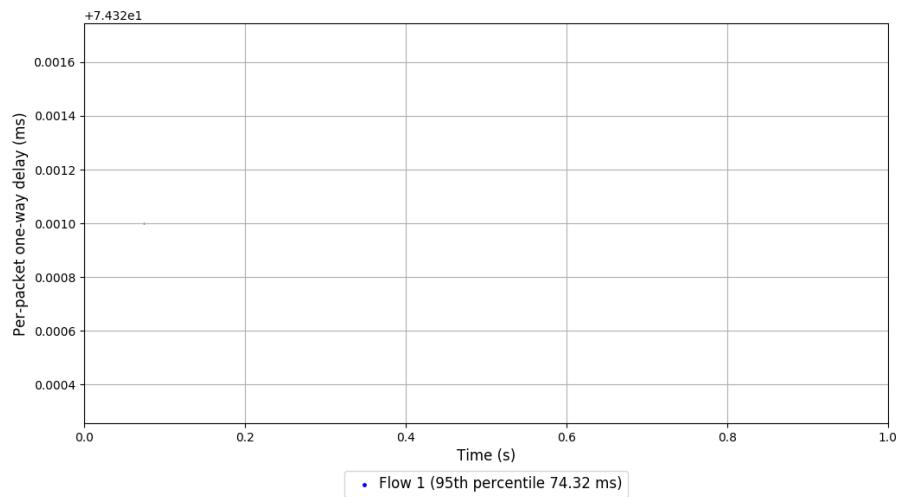
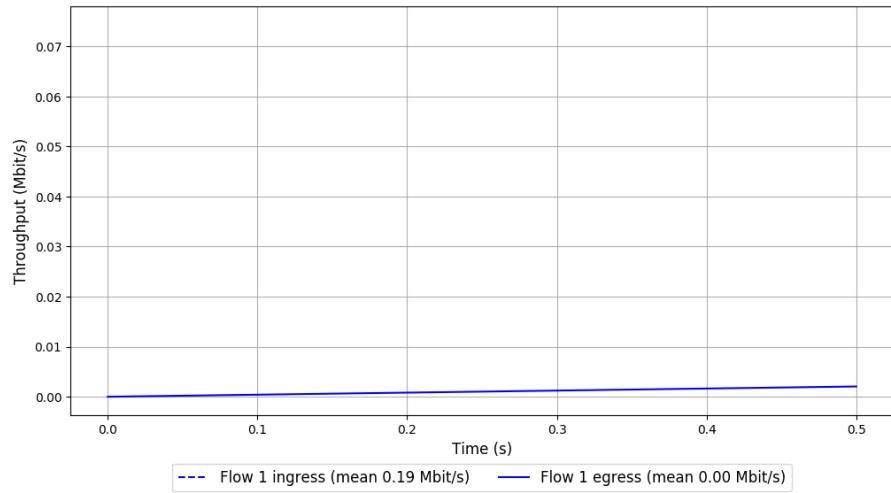
Start at: 2019-07-17 18:46:55

End at: 2019-07-17 18:47:25

Local clock offset: -6.391 ms

Remote clock offset: -3.938 ms

Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

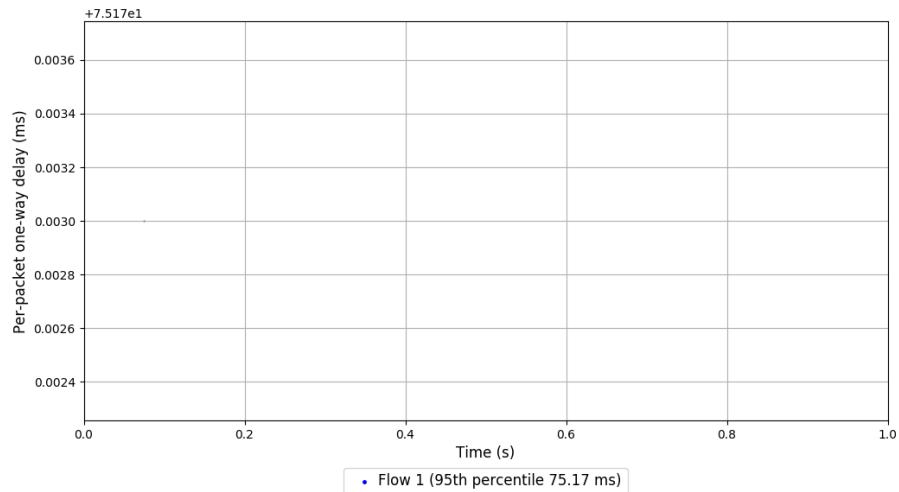
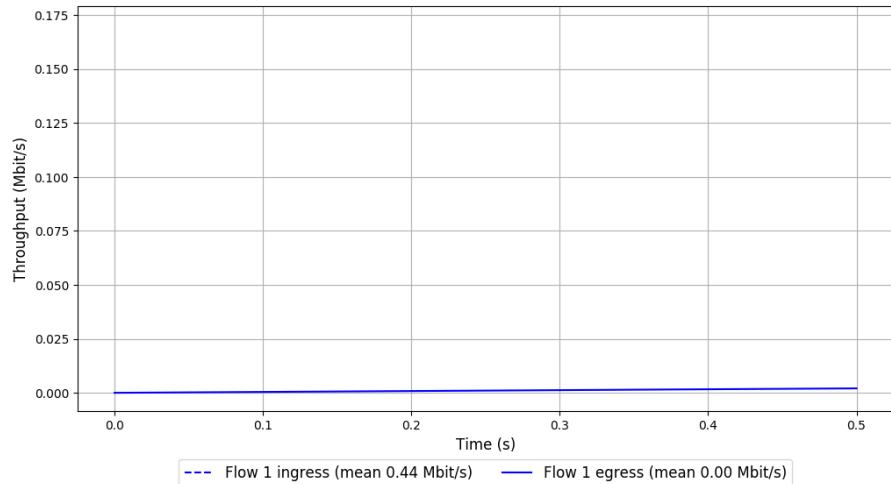
Start at: 2019-07-17 19:15:04

End at: 2019-07-17 19:15:34

Local clock offset: -6.075 ms

Remote clock offset: -4.379 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

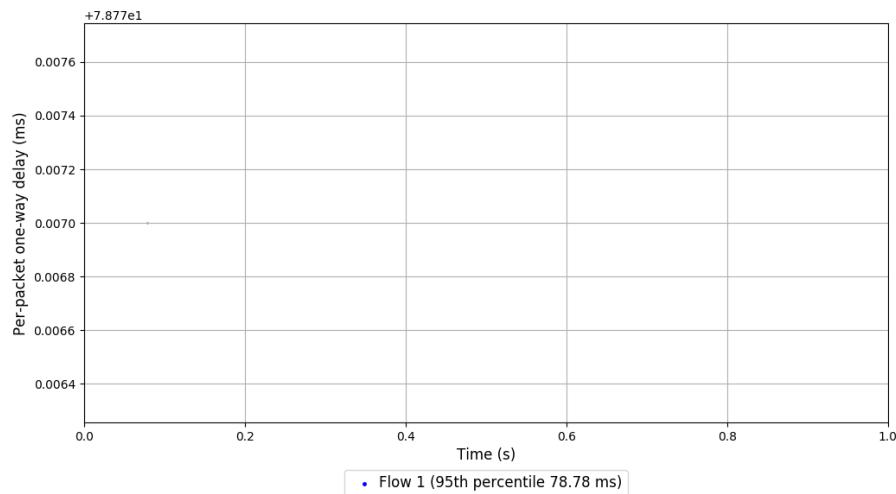
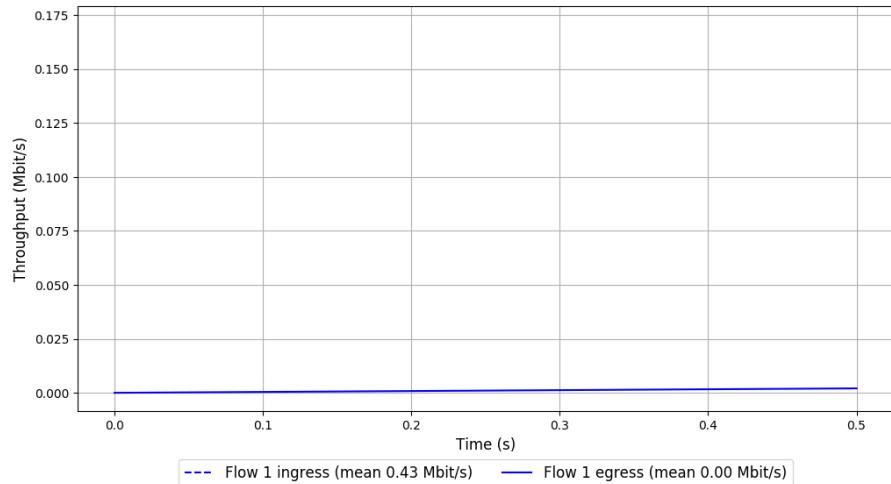
Start at: 2019-07-17 19:43:03

End at: 2019-07-17 19:43:33

Local clock offset: -6.717 ms

Remote clock offset: -5.155 ms

Run 5: Report of Copa — Data Link

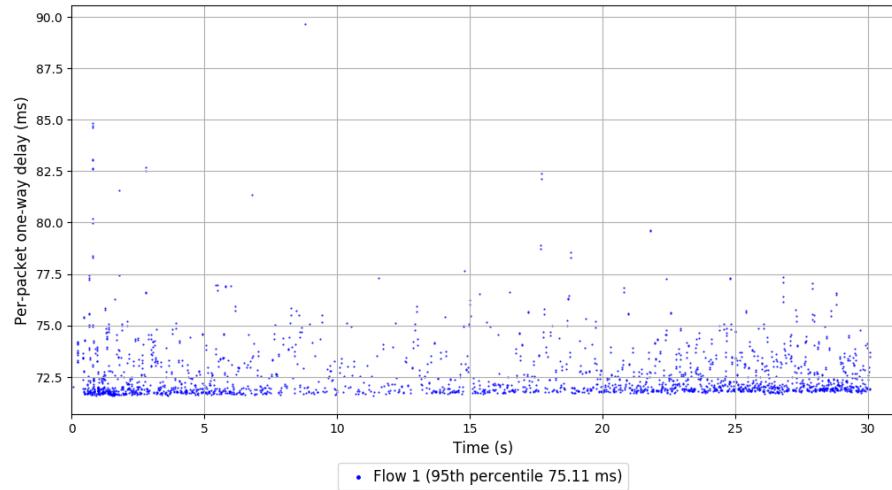
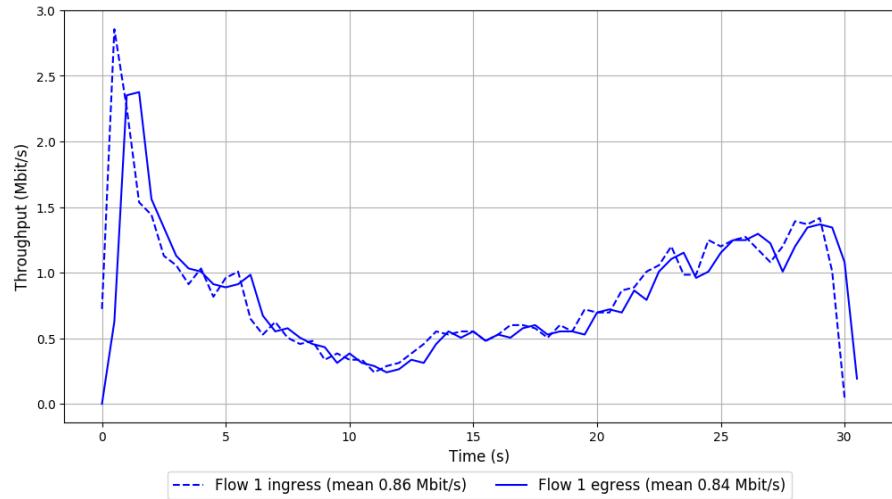


Run 1: Statistics of TCP Cubic

```
Start at: 2019-07-17 17:35:54
End at: 2019-07-17 17:36:24
Local clock offset: -8.283 ms
Remote clock offset: -8.472 ms

# Below is generated by plot.py at 2019-07-17 19:47:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 75.112 ms
Loss rate: 2.01%
-- Flow 1:
Average throughput: 0.84 Mbit/s
95th percentile per-packet one-way delay: 75.112 ms
Loss rate: 2.01%
```

Run 1: Report of TCP Cubic — Data Link

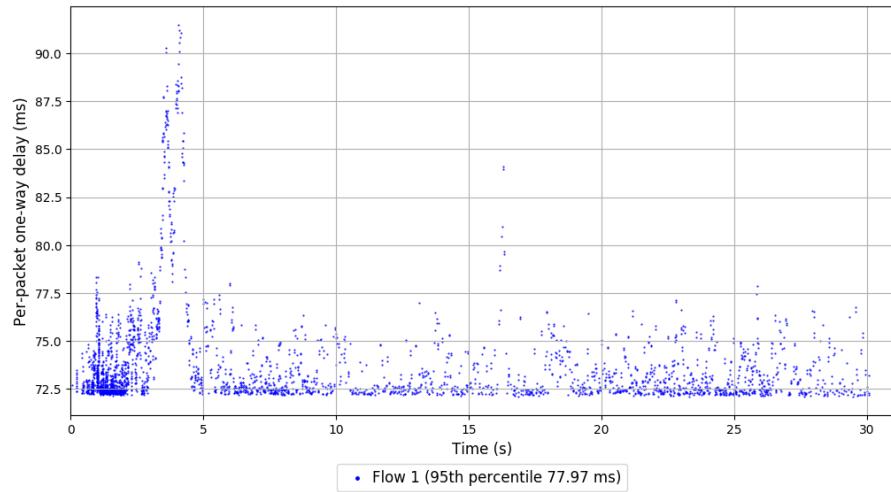
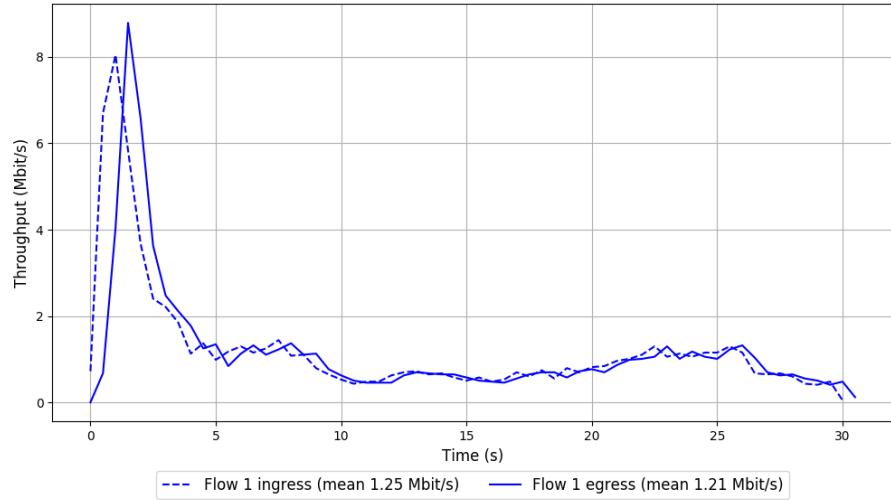


Run 2: Statistics of TCP Cubic

```
Start at: 2019-07-17 18:03:57
End at: 2019-07-17 18:04:27
Local clock offset: -6.358 ms
Remote clock offset: -9.106 ms

# Below is generated by plot.py at 2019-07-17 19:47:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 77.975 ms
Loss rate: 2.66%
-- Flow 1:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 77.975 ms
Loss rate: 2.66%
```

Run 2: Report of TCP Cubic — Data Link

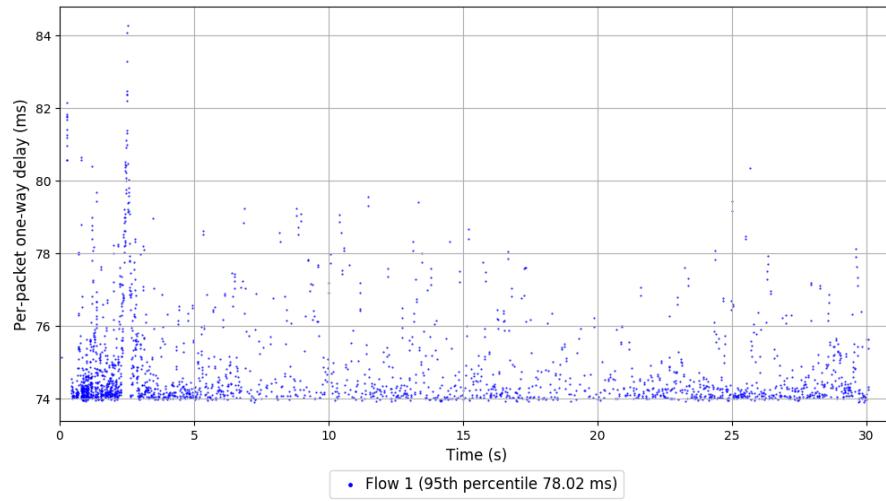
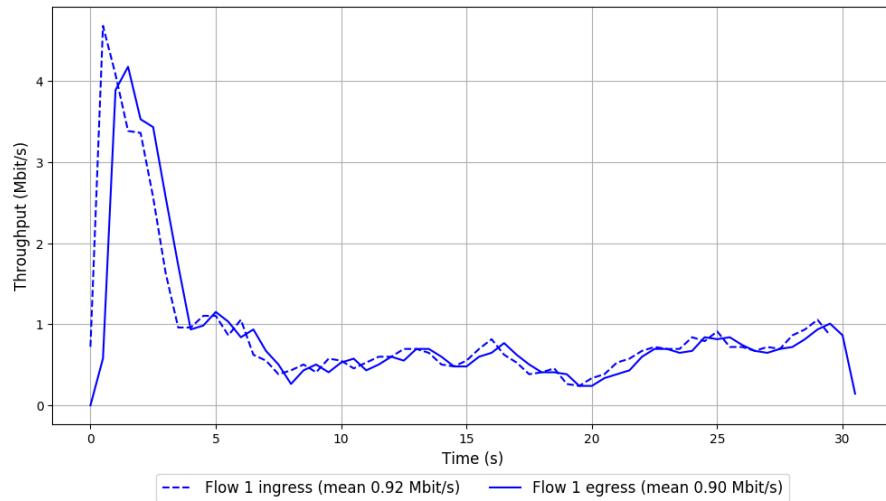


Run 3: Statistics of TCP Cubic

```
Start at: 2019-07-17 18:31:49
End at: 2019-07-17 18:32:19
Local clock offset: -6.402 ms
Remote clock offset: -4.389 ms

# Below is generated by plot.py at 2019-07-17 19:47:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 78.019 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 0.90 Mbit/s
95th percentile per-packet one-way delay: 78.019 ms
Loss rate: 2.44%
```

Run 3: Report of TCP Cubic — Data Link

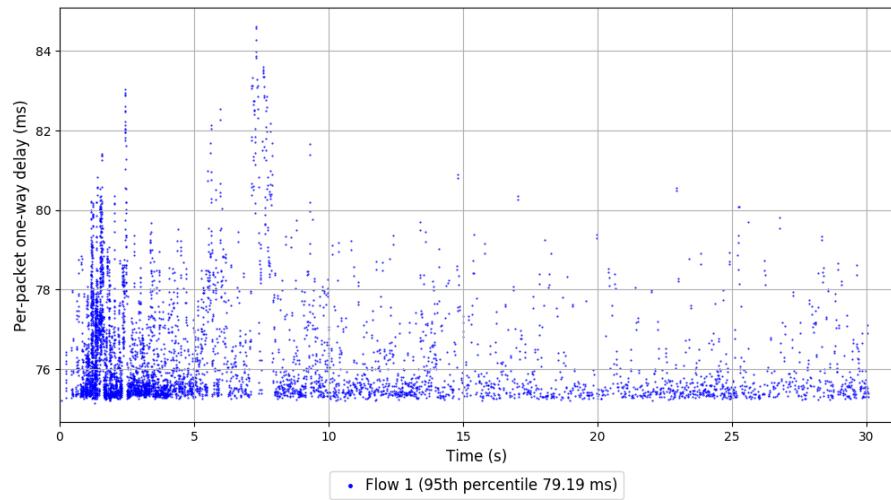
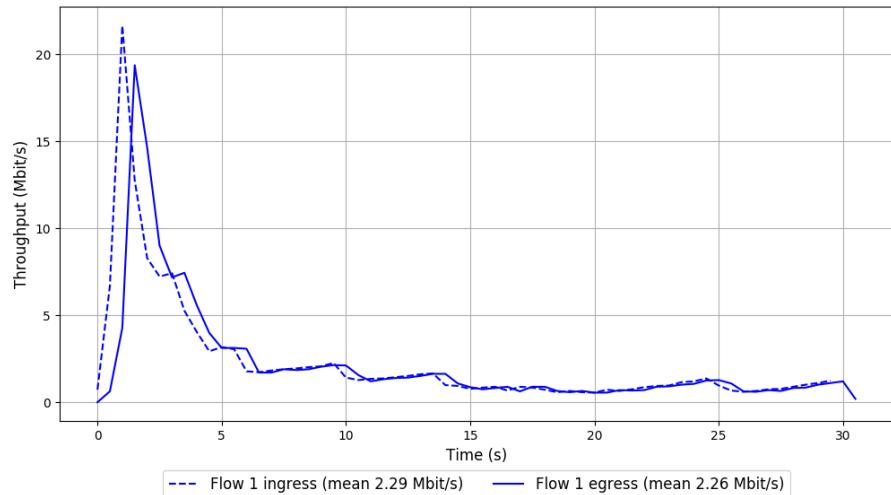


Run 4: Statistics of TCP Cubic

```
Start at: 2019-07-17 18:59:41
End at: 2019-07-17 19:00:11
Local clock offset: -6.259 ms
Remote clock offset: -0.834 ms

# Below is generated by plot.py at 2019-07-17 19:47:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 79.187 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 79.187 ms
Loss rate: 1.45%
```

Run 4: Report of TCP Cubic — Data Link

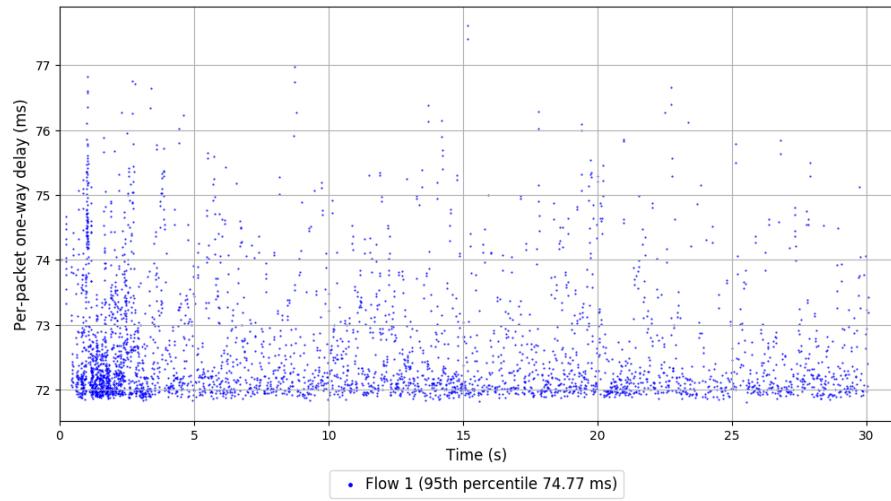
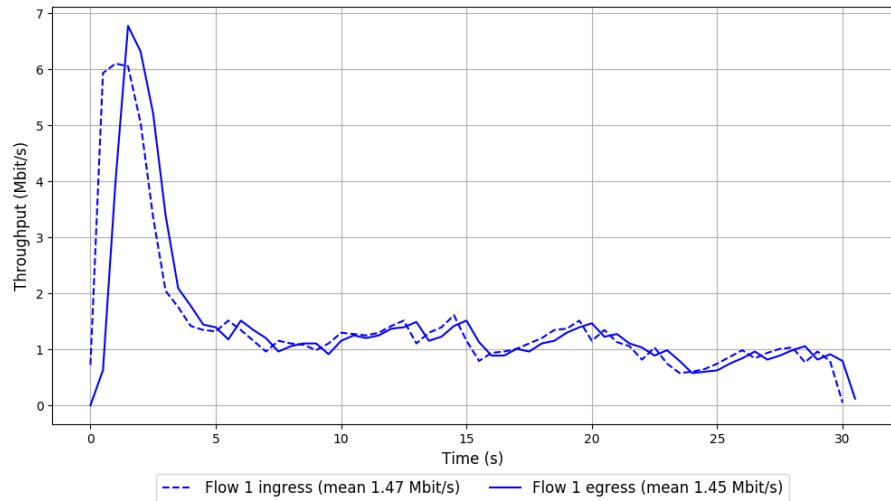


Run 5: Statistics of TCP Cubic

```
Start at: 2019-07-17 19:27:58
End at: 2019-07-17 19:28:28
Local clock offset: -6.177 ms
Remote clock offset: -6.187 ms

# Below is generated by plot.py at 2019-07-17 19:47:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 74.774 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 1.45 Mbit/s
95th percentile per-packet one-way delay: 74.774 ms
Loss rate: 1.47%
```

Run 5: Report of TCP Cubic — Data Link

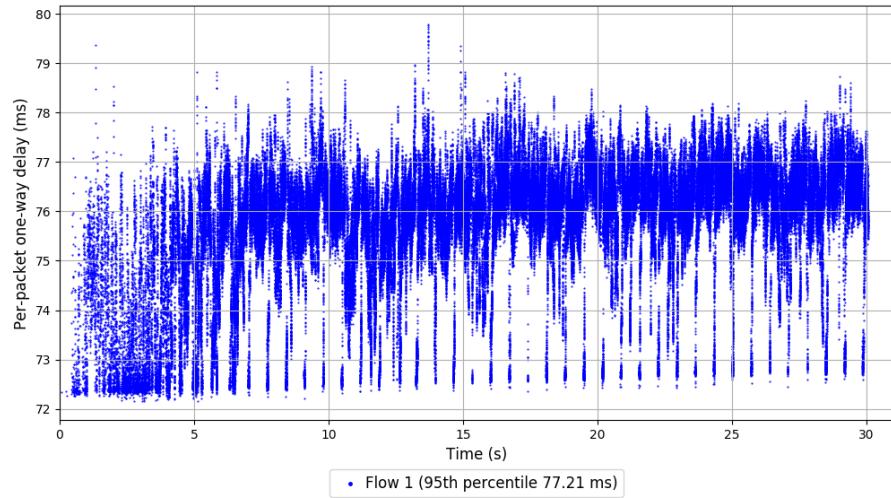
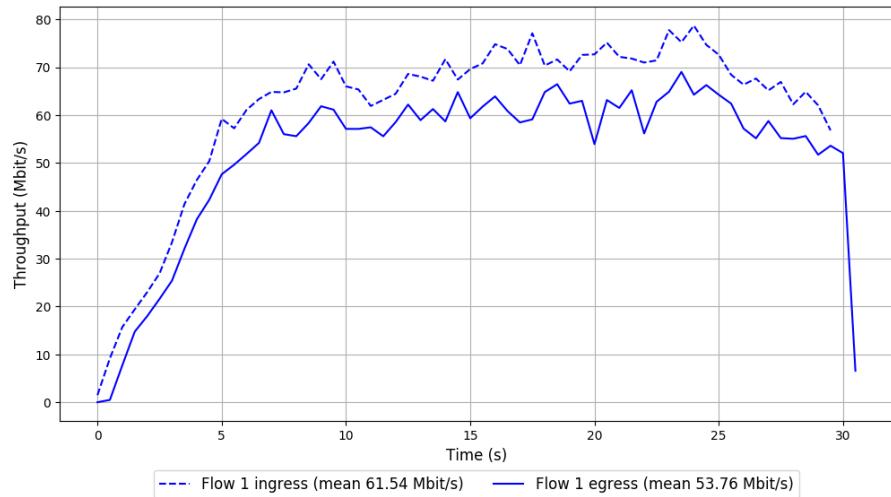


```
Run 1: Statistics of FillP
```

```
Start at: 2019-07-17 17:26:33
End at: 2019-07-17 17:27:03
Local clock offset: -12.174 ms
Remote clock offset: -6.239 ms

# Below is generated by plot.py at 2019-07-17 19:47:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.76 Mbit/s
95th percentile per-packet one-way delay: 77.209 ms
Loss rate: 12.63%
-- Flow 1:
Average throughput: 53.76 Mbit/s
95th percentile per-packet one-way delay: 77.209 ms
Loss rate: 12.63%
```

Run 1: Report of FillP — Data Link

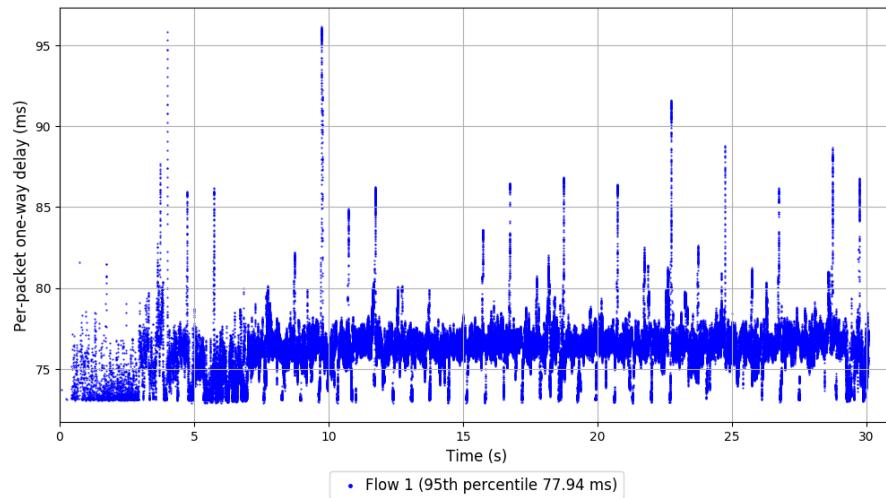
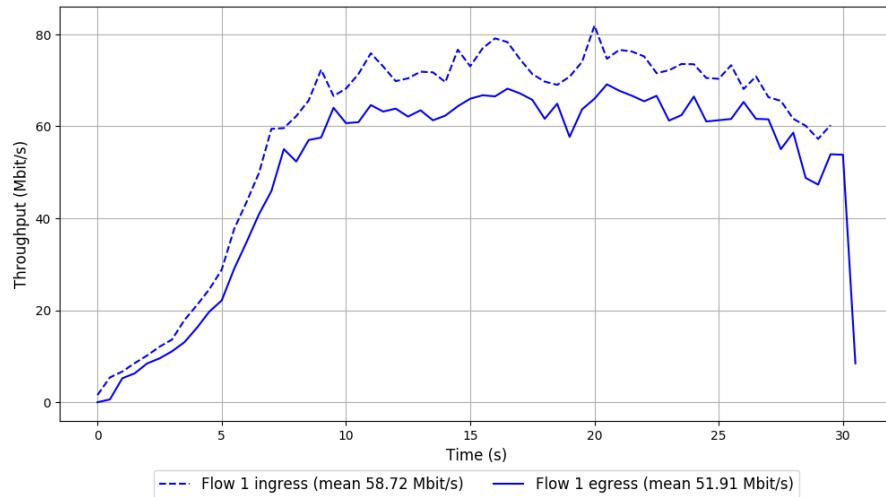


Run 2: Statistics of FillP

```
Start at: 2019-07-17 17:54:37
End at: 2019-07-17 17:55:07
Local clock offset: -6.423 ms
Remote clock offset: -7.948 ms

# Below is generated by plot.py at 2019-07-17 19:47:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.91 Mbit/s
95th percentile per-packet one-way delay: 77.938 ms
Loss rate: 11.60%
-- Flow 1:
Average throughput: 51.91 Mbit/s
95th percentile per-packet one-way delay: 77.938 ms
Loss rate: 11.60%
```

Run 2: Report of FillP — Data Link

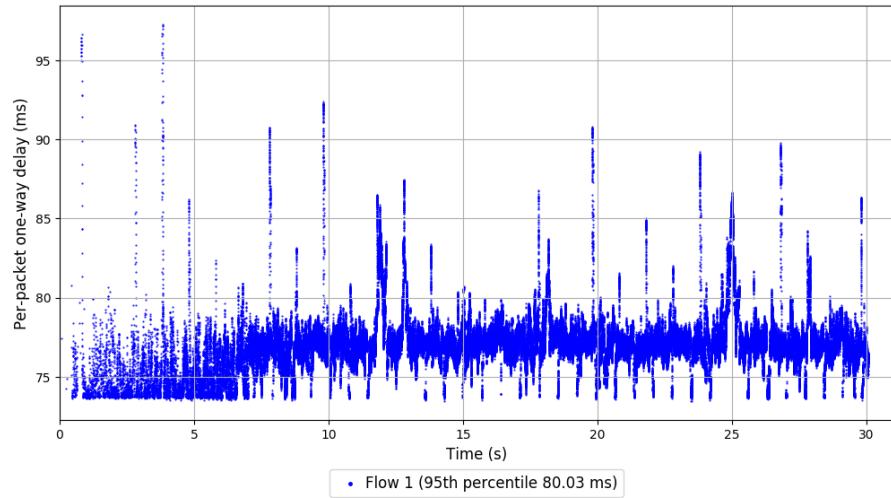
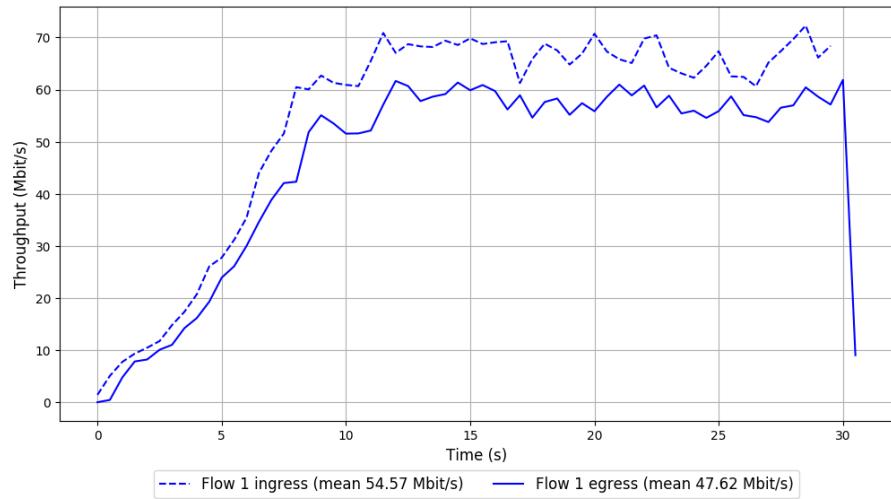


Run 3: Statistics of FillP

```
Start at: 2019-07-17 18:22:32
End at: 2019-07-17 18:23:02
Local clock offset: -6.221 ms
Remote clock offset: -6.709 ms

# Below is generated by plot.py at 2019-07-17 19:47:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.62 Mbit/s
95th percentile per-packet one-way delay: 80.027 ms
Loss rate: 12.75%
-- Flow 1:
Average throughput: 47.62 Mbit/s
95th percentile per-packet one-way delay: 80.027 ms
Loss rate: 12.75%
```

Run 3: Report of FillP — Data Link

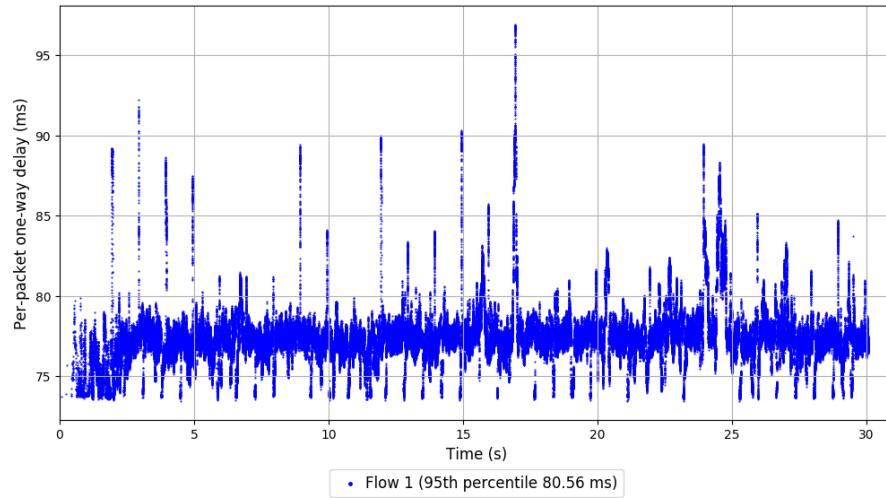
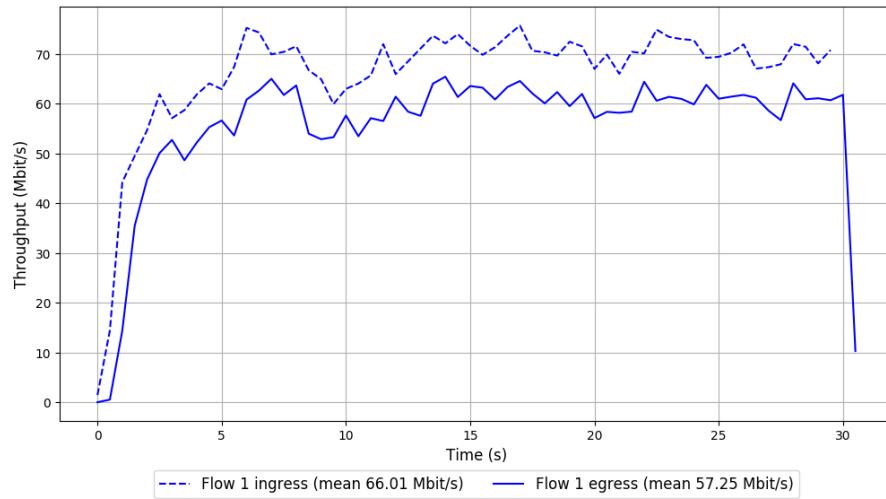


Run 4: Statistics of FillP

```
Start at: 2019-07-17 18:50:22
End at: 2019-07-17 18:50:52
Local clock offset: -6.412 ms
Remote clock offset: -1.948 ms

# Below is generated by plot.py at 2019-07-17 19:48:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.25 Mbit/s
95th percentile per-packet one-way delay: 80.560 ms
Loss rate: 13.27%
-- Flow 1:
Average throughput: 57.25 Mbit/s
95th percentile per-packet one-way delay: 80.560 ms
Loss rate: 13.27%
```

Run 4: Report of FillP — Data Link

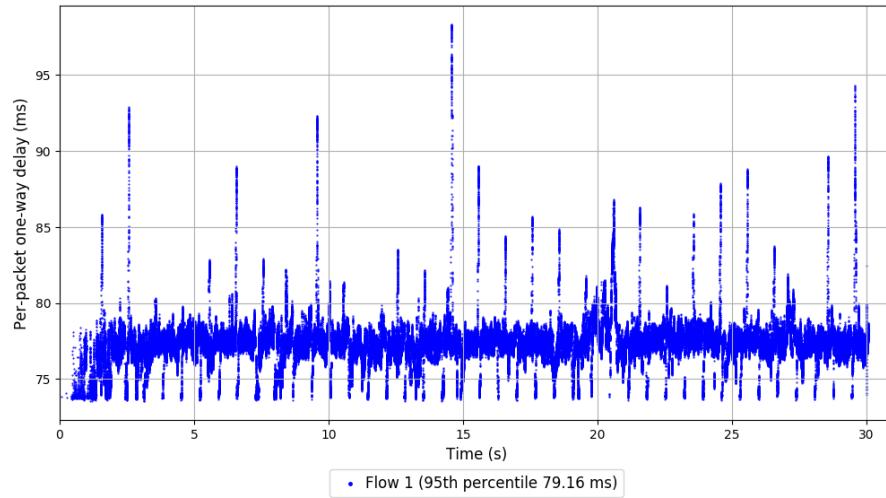
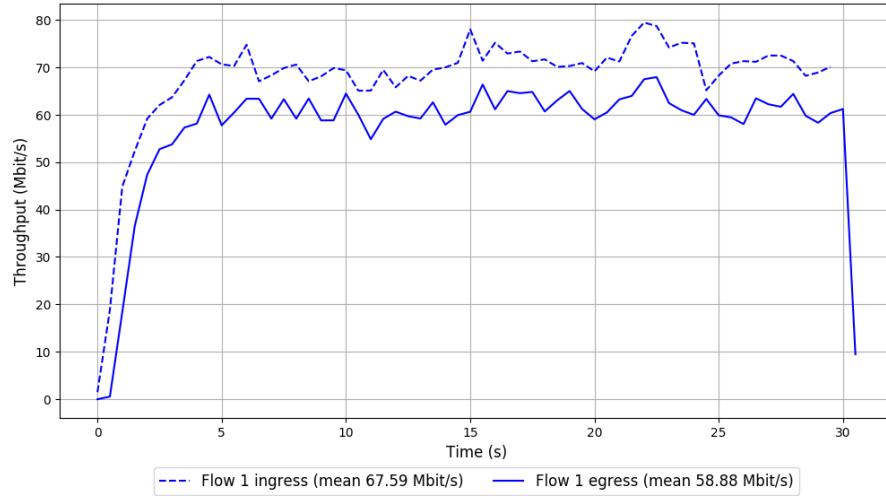


Run 5: Statistics of FillP

```
Start at: 2019-07-17 19:18:31
End at: 2019-07-17 19:19:01
Local clock offset: -5.972 ms
Remote clock offset: -3.332 ms

# Below is generated by plot.py at 2019-07-17 19:48:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.88 Mbit/s
95th percentile per-packet one-way delay: 79.155 ms
Loss rate: 12.88%
-- Flow 1:
Average throughput: 58.88 Mbit/s
95th percentile per-packet one-way delay: 79.155 ms
Loss rate: 12.88%
```

Run 5: Report of FillP — Data Link

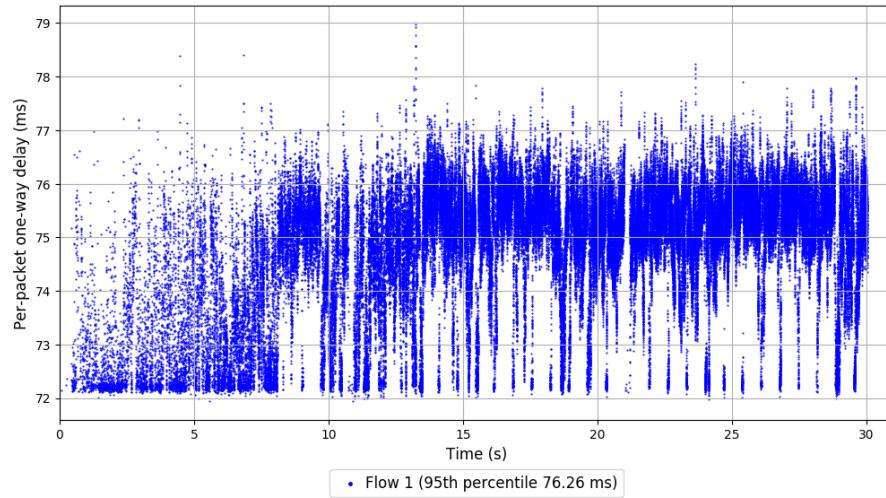
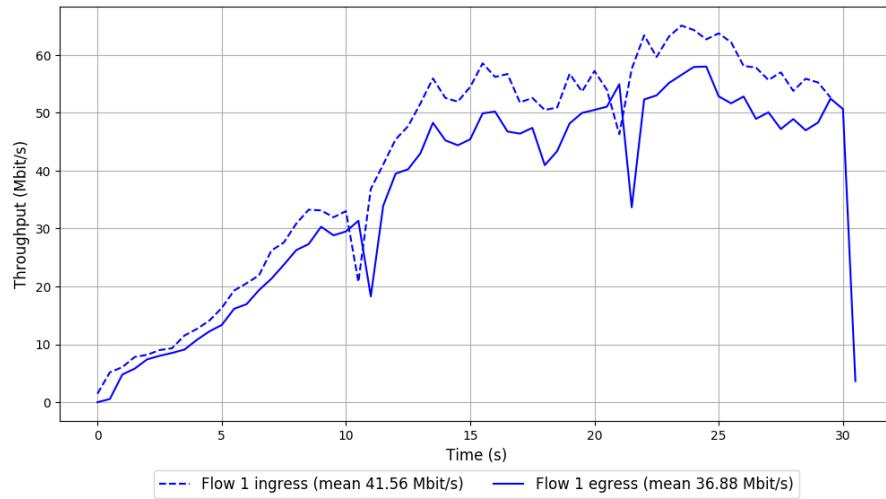


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-07-17 17:49:59
End at: 2019-07-17 17:50:29
Local clock offset: -6.578 ms
Remote clock offset: -8.799 ms

# Below is generated by plot.py at 2019-07-17 19:48:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.88 Mbit/s
95th percentile per-packet one-way delay: 76.257 ms
Loss rate: 11.24%
-- Flow 1:
Average throughput: 36.88 Mbit/s
95th percentile per-packet one-way delay: 76.257 ms
Loss rate: 11.24%
```

Run 1: Report of FillP-Sheep — Data Link

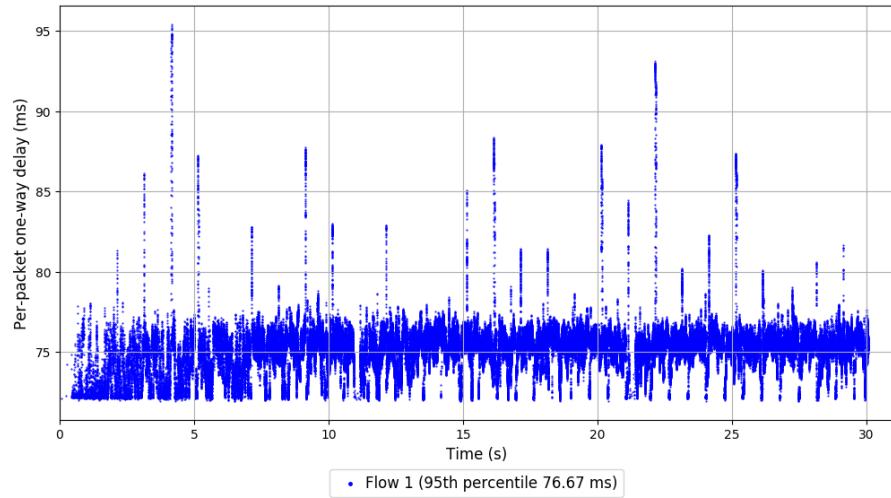
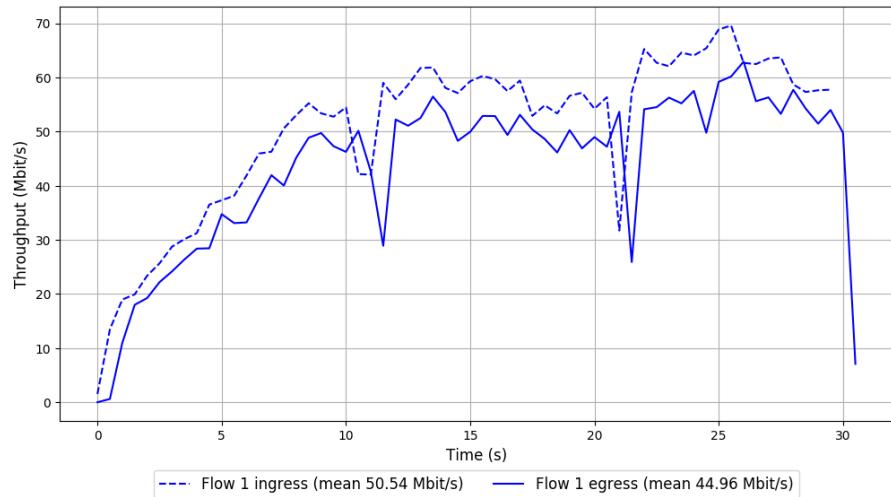


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-07-17 18:17:55
End at: 2019-07-17 18:18:26
Local clock offset: -6.272 ms
Remote clock offset: -7.169 ms

# Below is generated by plot.py at 2019-07-17 19:48:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.96 Mbit/s
95th percentile per-packet one-way delay: 76.667 ms
Loss rate: 11.02%
-- Flow 1:
Average throughput: 44.96 Mbit/s
95th percentile per-packet one-way delay: 76.667 ms
Loss rate: 11.02%
```

Run 2: Report of FillP-Sheep — Data Link

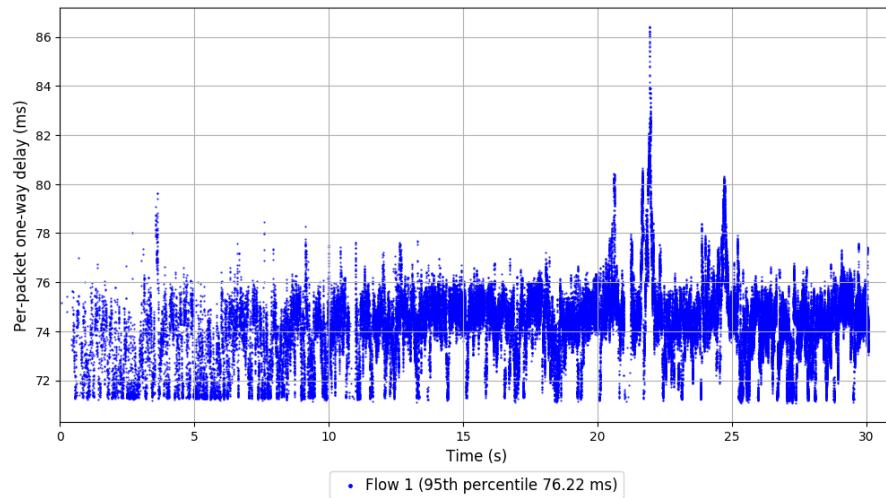
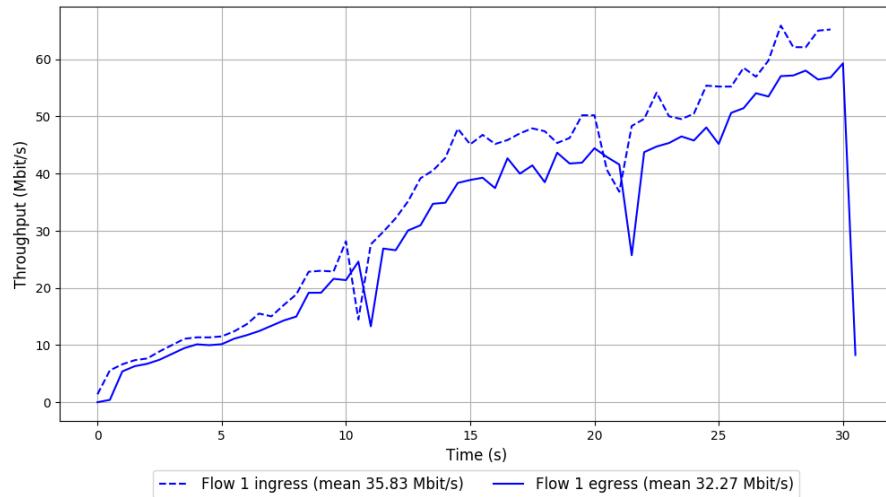


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-07-17 18:45:45
End at: 2019-07-17 18:46:15
Local clock offset: -6.402 ms
Remote clock offset: -4.89 ms

# Below is generated by plot.py at 2019-07-17 19:48:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 76.217 ms
Loss rate: 9.94%
-- Flow 1:
Average throughput: 32.27 Mbit/s
95th percentile per-packet one-way delay: 76.217 ms
Loss rate: 9.94%
```

Run 3: Report of FillP-Sheep — Data Link

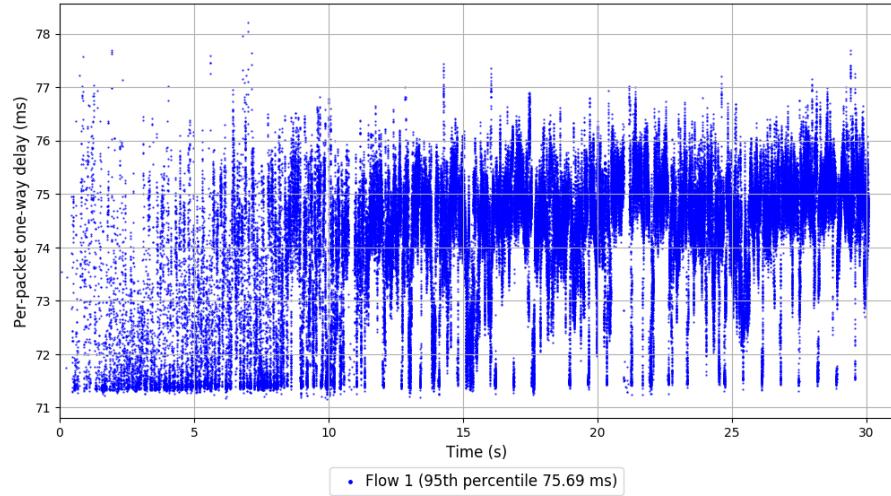
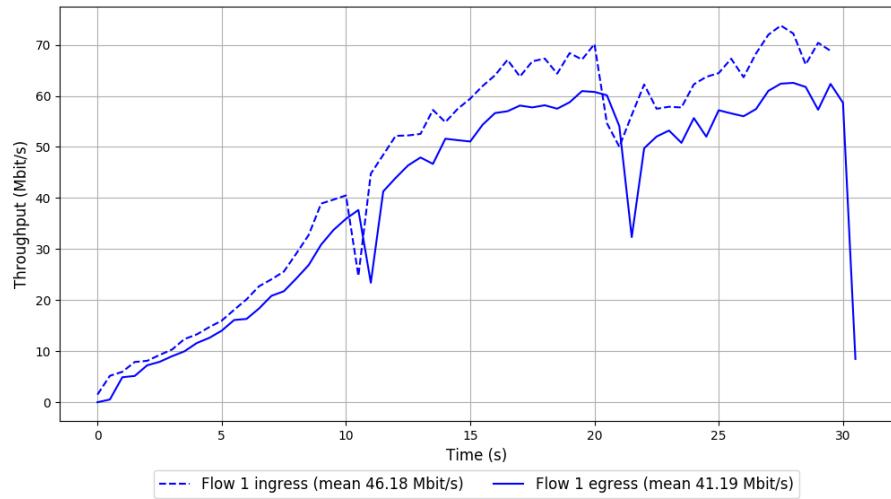


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-07-17 19:13:54
End at: 2019-07-17 19:14:24
Local clock offset: -6.018 ms
Remote clock offset: -5.006 ms

# Below is generated by plot.py at 2019-07-17 19:48:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.19 Mbit/s
95th percentile per-packet one-way delay: 75.695 ms
Loss rate: 10.81%
-- Flow 1:
Average throughput: 41.19 Mbit/s
95th percentile per-packet one-way delay: 75.695 ms
Loss rate: 10.81%
```

Run 4: Report of FillP-Sheep — Data Link

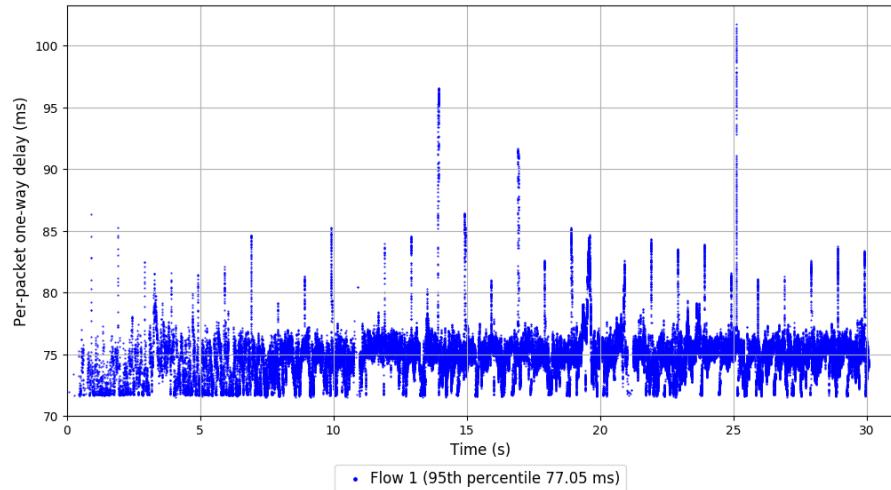
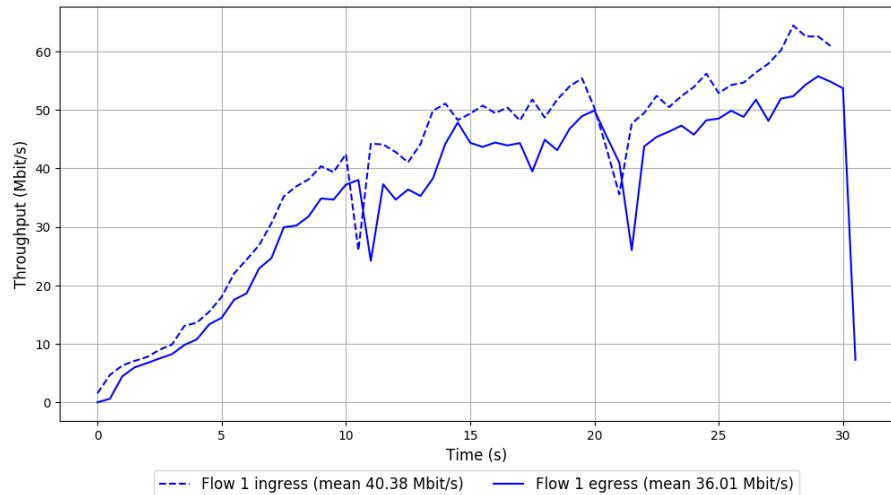


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-07-17 19:41:53
End at: 2019-07-17 19:42:23
Local clock offset: -6.784 ms
Remote clock offset: -6.774 ms

# Below is generated by plot.py at 2019-07-17 19:48:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 77.053 ms
Loss rate: 10.82%
-- Flow 1:
Average throughput: 36.01 Mbit/s
95th percentile per-packet one-way delay: 77.053 ms
Loss rate: 10.82%
```

Run 5: Report of FillP-Sheep — Data Link

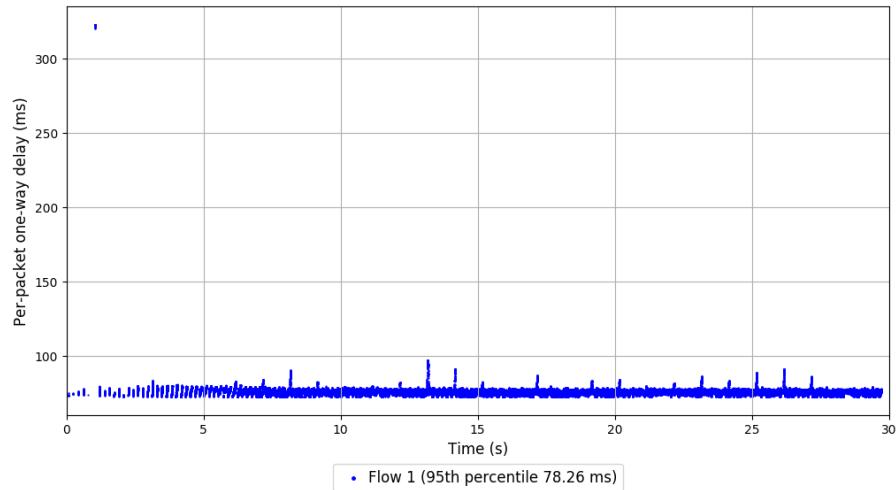
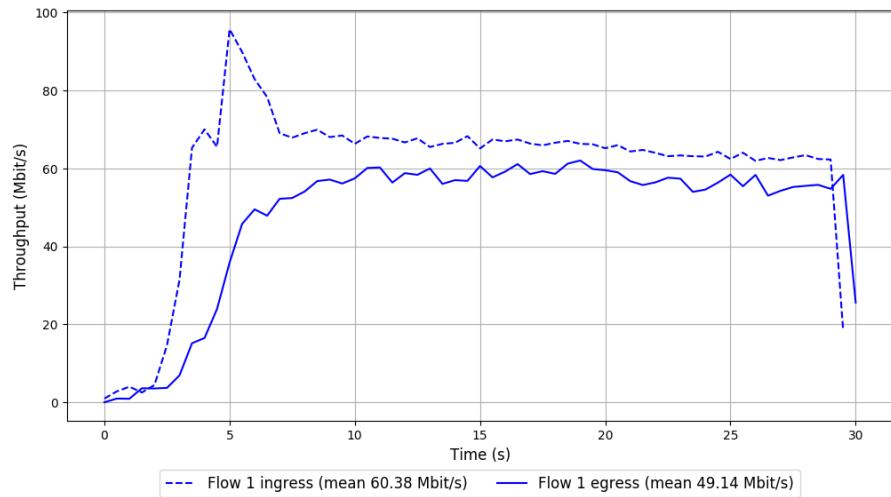


Run 1: Statistics of Indigo

```
Start at: 2019-07-17 17:46:22
End at: 2019-07-17 17:46:52
Local clock offset: -6.904 ms
Remote clock offset: -8.098 ms

# Below is generated by plot.py at 2019-07-17 19:48:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.14 Mbit/s
95th percentile per-packet one-way delay: 78.263 ms
Loss rate: 18.61%
-- Flow 1:
Average throughput: 49.14 Mbit/s
95th percentile per-packet one-way delay: 78.263 ms
Loss rate: 18.61%
```

Run 1: Report of Indigo — Data Link

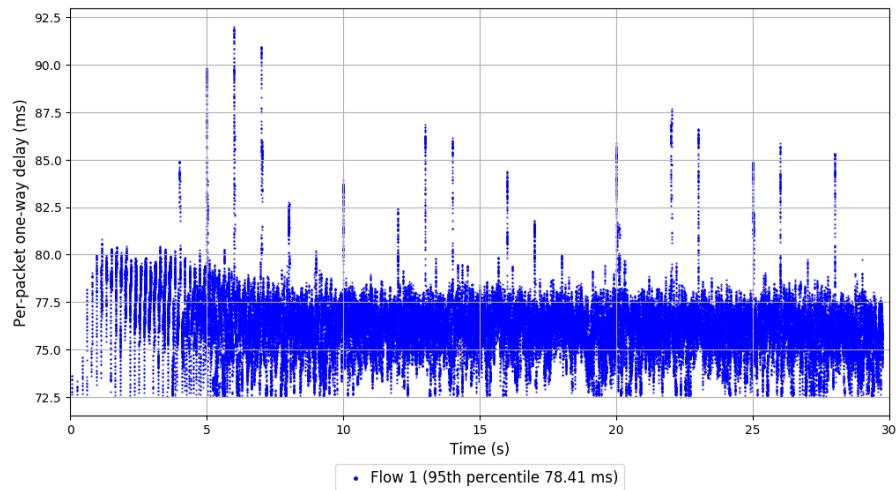
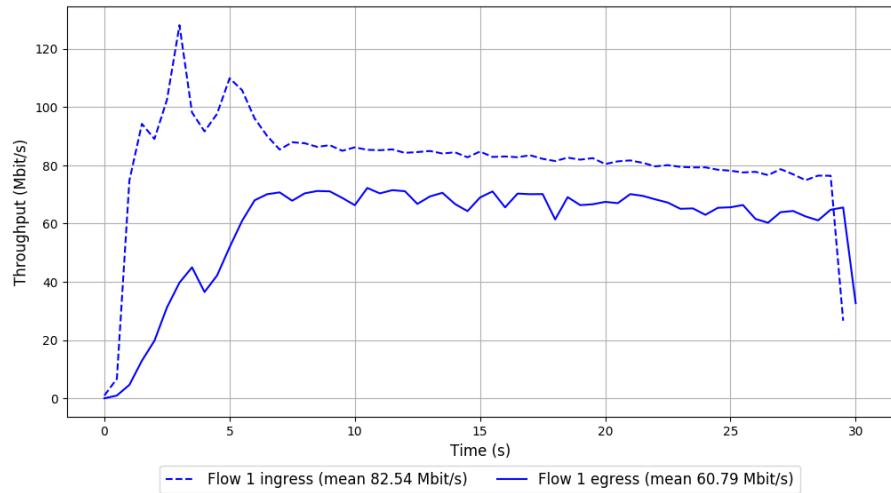


Run 2: Statistics of Indigo

```
Start at: 2019-07-17 18:14:17
End at: 2019-07-17 18:14:47
Local clock offset: -6.292 ms
Remote clock offset: -6.924 ms

# Below is generated by plot.py at 2019-07-17 19:48:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.79 Mbit/s
95th percentile per-packet one-way delay: 78.414 ms
Loss rate: 26.35%
-- Flow 1:
Average throughput: 60.79 Mbit/s
95th percentile per-packet one-way delay: 78.414 ms
Loss rate: 26.35%
```

Run 2: Report of Indigo — Data Link

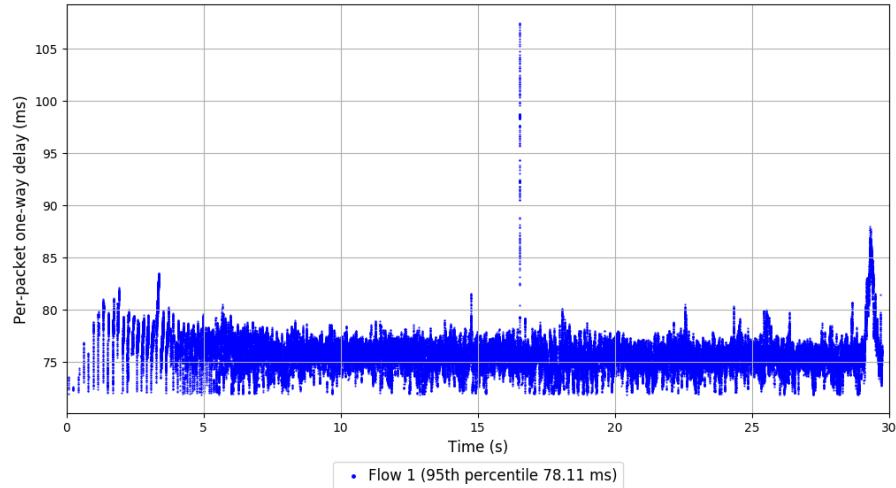
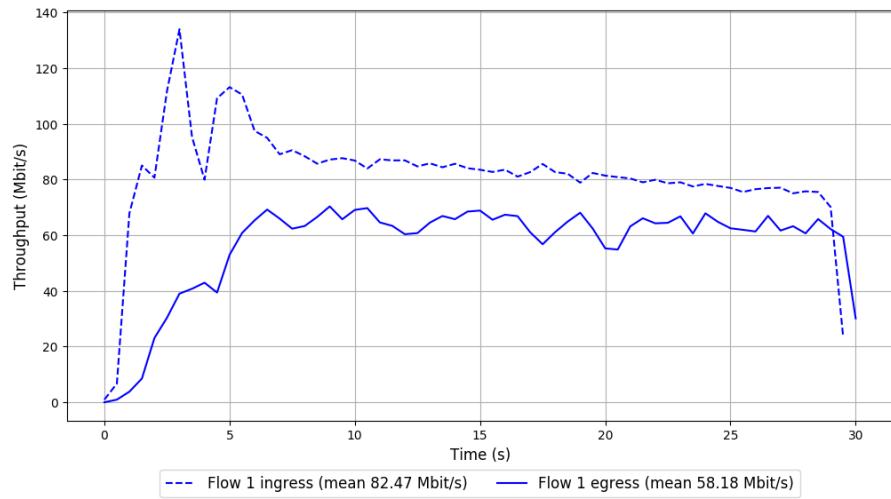


Run 3: Statistics of Indigo

```
Start at: 2019-07-17 18:42:10
End at: 2019-07-17 18:42:40
Local clock offset: -6.365 ms
Remote clock offset: -5.389 ms

# Below is generated by plot.py at 2019-07-17 19:48:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.18 Mbit/s
95th percentile per-packet one-way delay: 78.107 ms
Loss rate: 29.45%
-- Flow 1:
Average throughput: 58.18 Mbit/s
95th percentile per-packet one-way delay: 78.107 ms
Loss rate: 29.45%
```

Run 3: Report of Indigo — Data Link

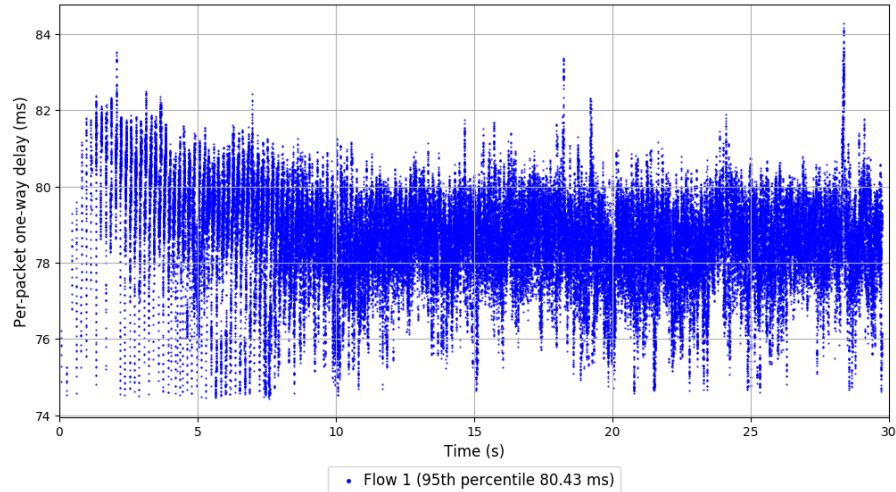
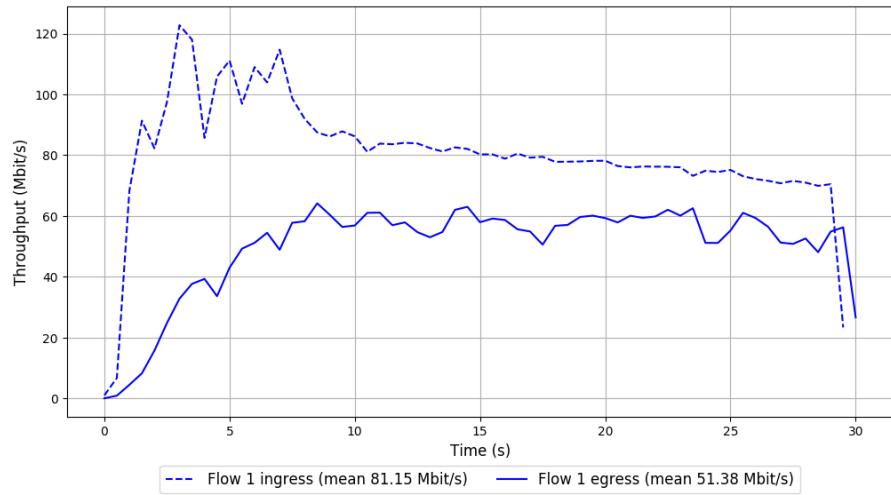


Run 4: Statistics of Indigo

```
Start at: 2019-07-17 19:10:18
End at: 2019-07-17 19:10:48
Local clock offset: -6.066 ms
Remote clock offset: -1.069 ms

# Below is generated by plot.py at 2019-07-17 19:48:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.38 Mbit/s
95th percentile per-packet one-way delay: 80.430 ms
Loss rate: 36.69%
-- Flow 1:
Average throughput: 51.38 Mbit/s
95th percentile per-packet one-way delay: 80.430 ms
Loss rate: 36.69%
```

Run 4: Report of Indigo — Data Link

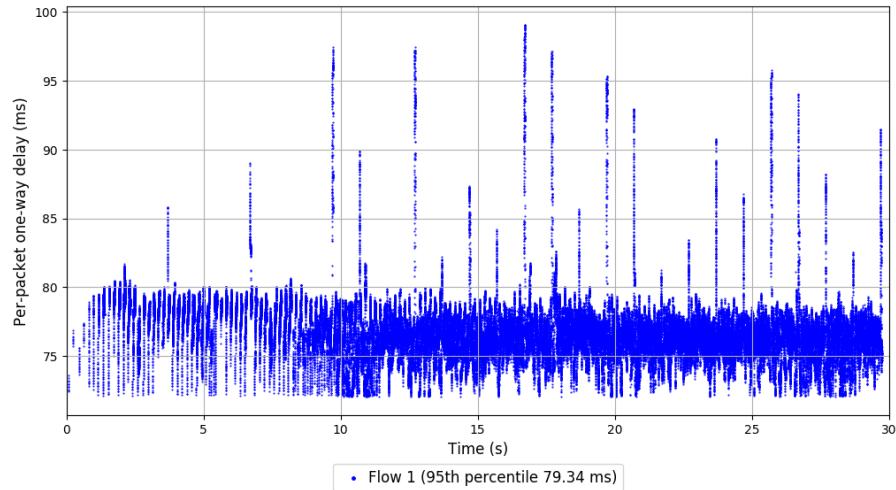
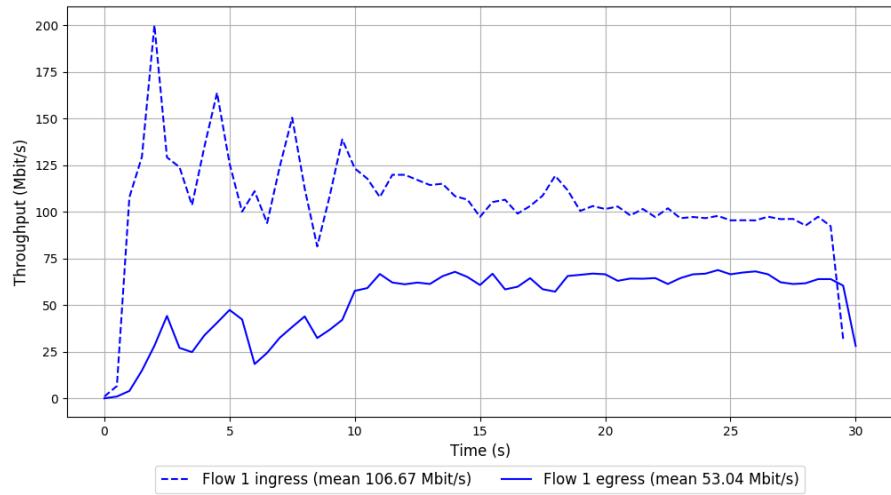


Run 5: Statistics of Indigo

```
Start at: 2019-07-17 19:38:18
End at: 2019-07-17 19:38:48
Local clock offset: -6.643 ms
Remote clock offset: -6.758 ms

# Below is generated by plot.py at 2019-07-17 19:49:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.04 Mbit/s
95th percentile per-packet one-way delay: 79.341 ms
Loss rate: 50.27%
-- Flow 1:
Average throughput: 53.04 Mbit/s
95th percentile per-packet one-way delay: 79.341 ms
Loss rate: 50.27%
```

Run 5: Report of Indigo — Data Link

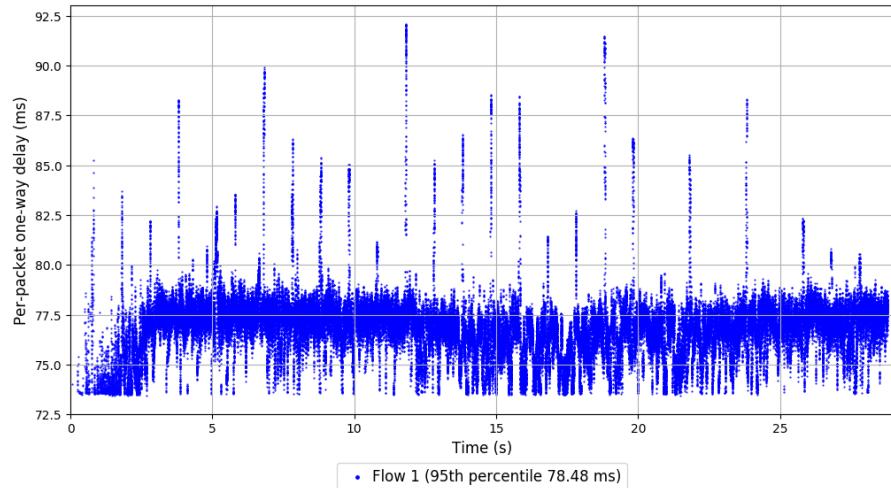
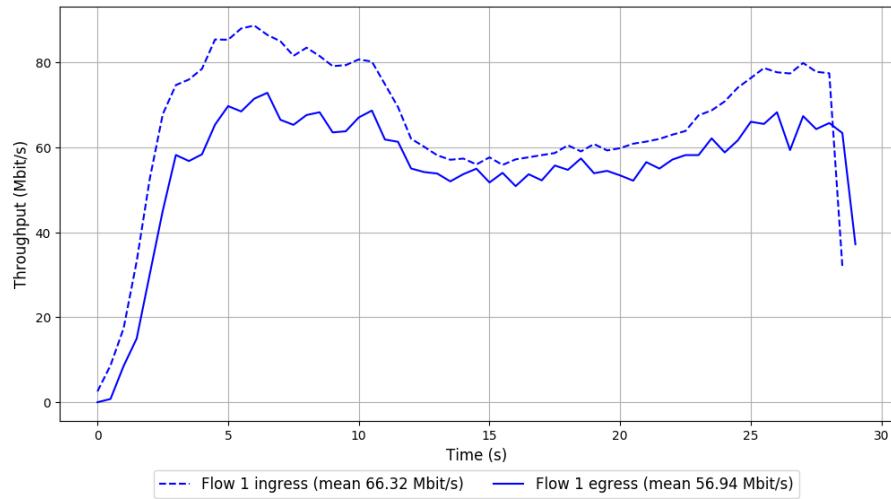


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-07-17 17:44:02
End at: 2019-07-17 17:44:32
Local clock offset: -7.016 ms
Remote clock offset: -7.76 ms

# Below is generated by plot.py at 2019-07-17 19:49:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.94 Mbit/s
95th percentile per-packet one-way delay: 78.484 ms
Loss rate: 14.14%
-- Flow 1:
Average throughput: 56.94 Mbit/s
95th percentile per-packet one-way delay: 78.484 ms
Loss rate: 14.14%
```

Run 1: Report of Indigo-MusesC3 — Data Link

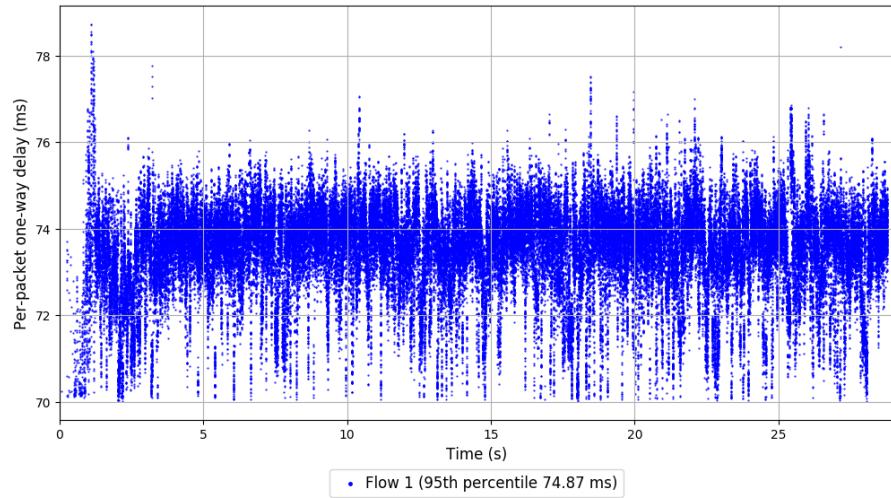
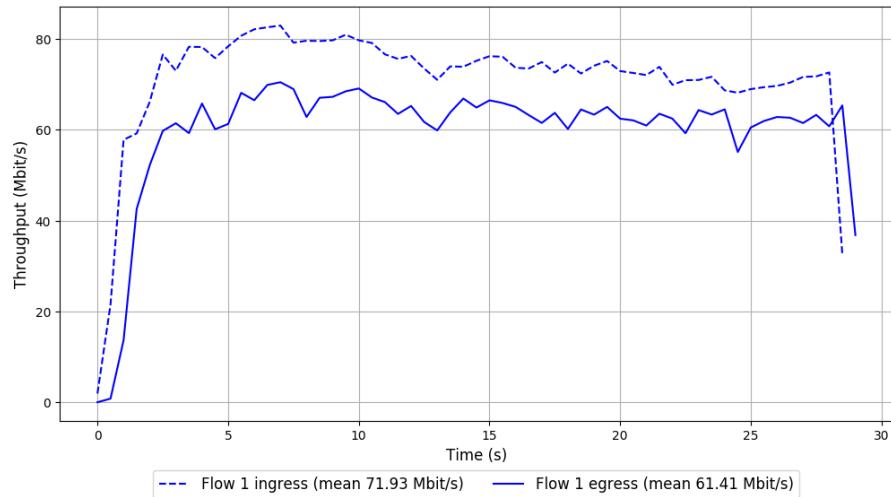


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-07-17 18:11:57
End at: 2019-07-17 18:12:28
Local clock offset: -6.305 ms
Remote clock offset: -9.165 ms

# Below is generated by plot.py at 2019-07-17 19:49:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.41 Mbit/s
95th percentile per-packet one-way delay: 74.869 ms
Loss rate: 14.62%
-- Flow 1:
Average throughput: 61.41 Mbit/s
95th percentile per-packet one-way delay: 74.869 ms
Loss rate: 14.62%
```

Run 2: Report of Indigo-MusesC3 — Data Link

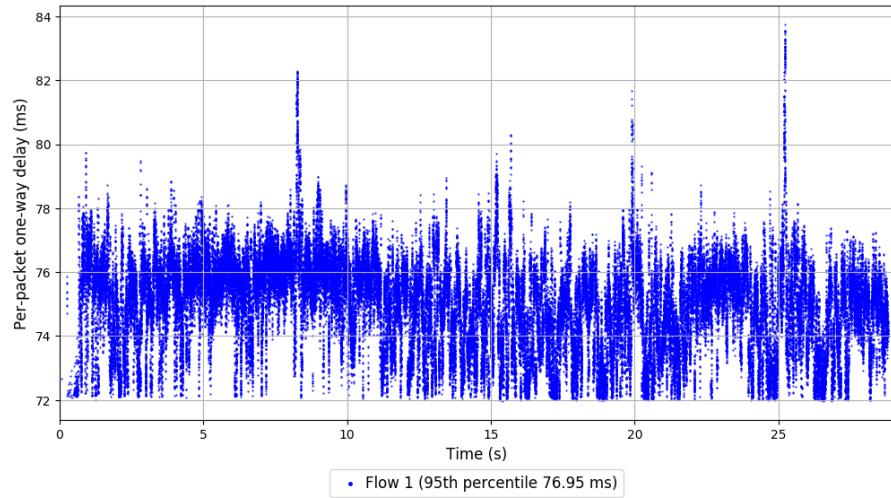
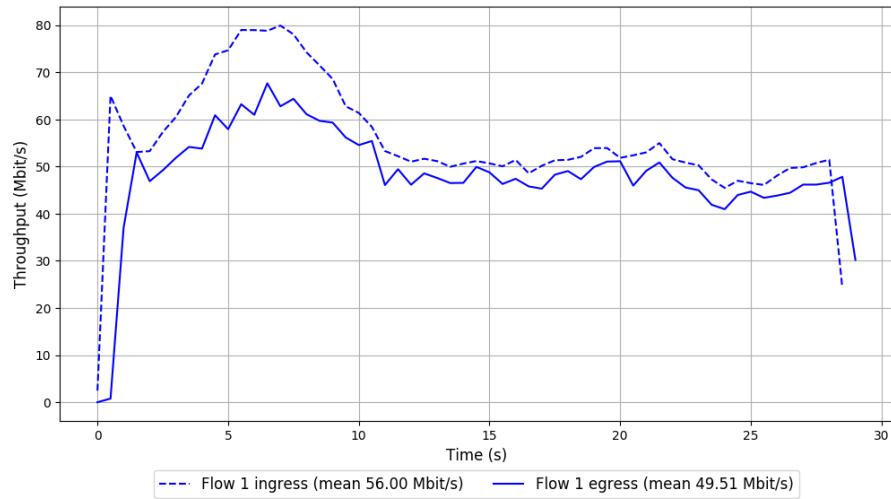


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-07-17 18:39:50
End at: 2019-07-17 18:40:20
Local clock offset: -6.354 ms
Remote clock offset: -6.721 ms

# Below is generated by plot.py at 2019-07-17 19:49:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.51 Mbit/s
95th percentile per-packet one-way delay: 76.954 ms
Loss rate: 11.58%
-- Flow 1:
Average throughput: 49.51 Mbit/s
95th percentile per-packet one-way delay: 76.954 ms
Loss rate: 11.58%
```

Run 3: Report of Indigo-MusesC3 — Data Link

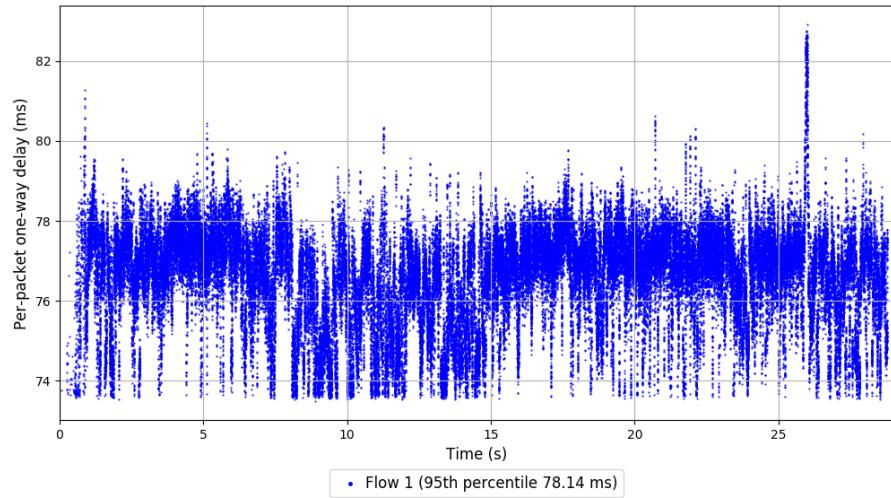
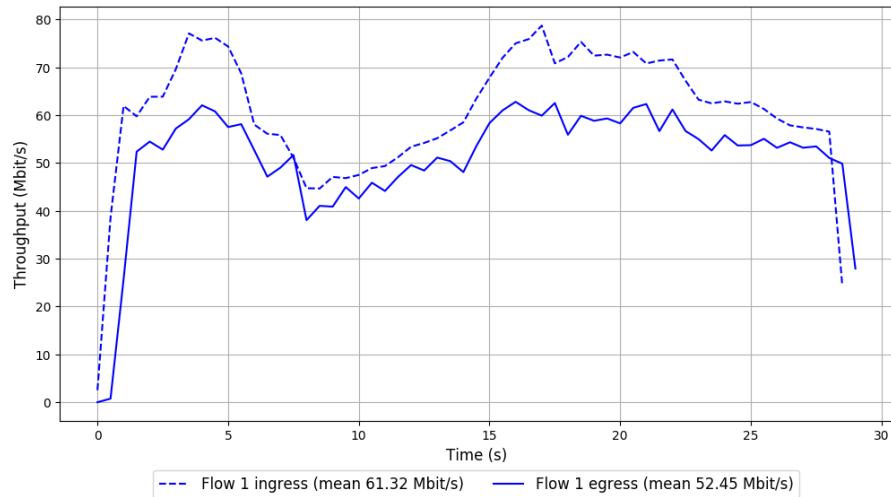


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-07-17 19:07:54
End at: 2019-07-17 19:08:24
Local clock offset: -6.079 ms
Remote clock offset: -1.116 ms

# Below is generated by plot.py at 2019-07-17 19:49:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.45 Mbit/s
95th percentile per-packet one-way delay: 78.141 ms
Loss rate: 14.47%
-- Flow 1:
Average throughput: 52.45 Mbit/s
95th percentile per-packet one-way delay: 78.141 ms
Loss rate: 14.47%
```

Run 4: Report of Indigo-MusesC3 — Data Link

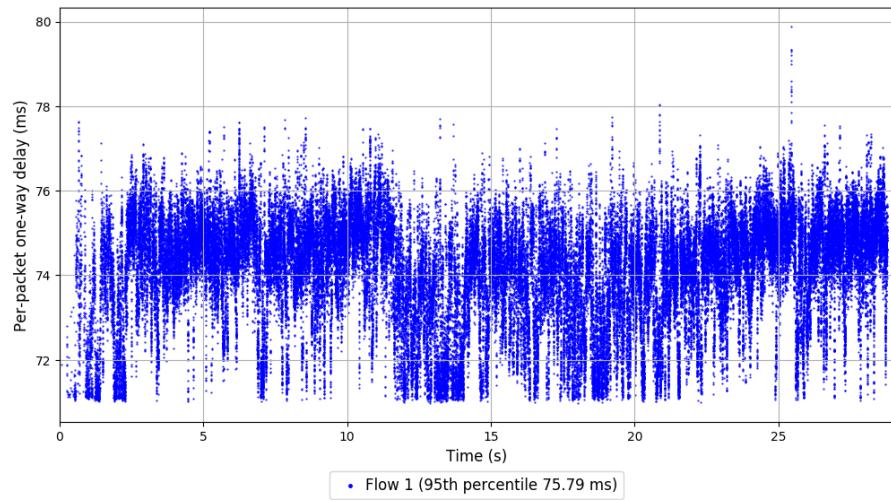
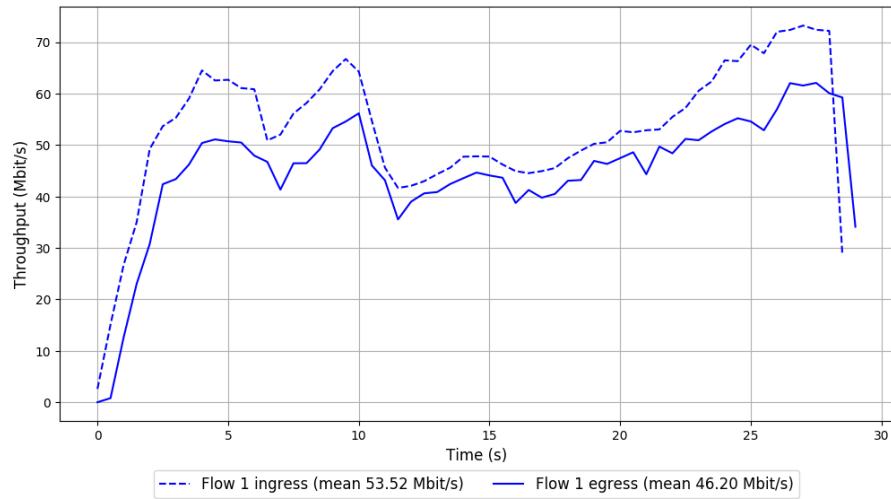


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-07-17 19:35:58
End at: 2019-07-17 19:36:28
Local clock offset: -6.585 ms
Remote clock offset: -7.285 ms

# Below is generated by plot.py at 2019-07-17 19:49:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.20 Mbit/s
95th percentile per-packet one-way delay: 75.793 ms
Loss rate: 13.66%
-- Flow 1:
Average throughput: 46.20 Mbit/s
95th percentile per-packet one-way delay: 75.793 ms
Loss rate: 13.66%
```

Run 5: Report of Indigo-MusesC3 — Data Link

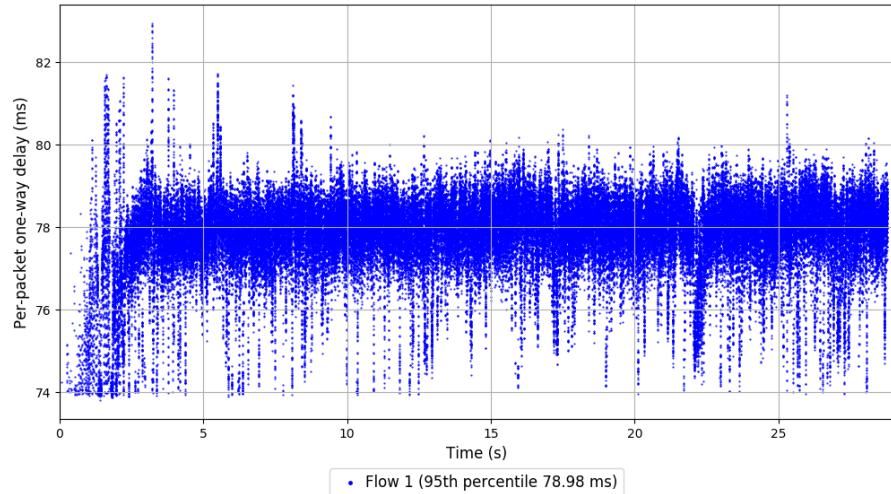
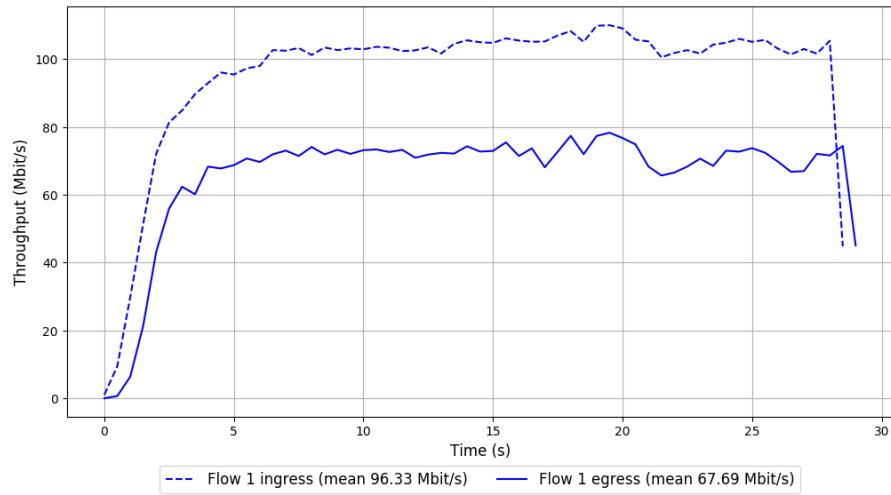


```
Run 1: Statistics of Indigo-MusesC5
```

```
Start at: 2019-07-17 17:41:37
End at: 2019-07-17 17:42:07
Local clock offset: -7.358 ms
Remote clock offset: -6.606 ms

# Below is generated by plot.py at 2019-07-17 19:49:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.69 Mbit/s
95th percentile per-packet one-way delay: 78.977 ms
Loss rate: 29.73%
-- Flow 1:
Average throughput: 67.69 Mbit/s
95th percentile per-packet one-way delay: 78.977 ms
Loss rate: 29.73%
```

Run 1: Report of Indigo-MusesC5 — Data Link

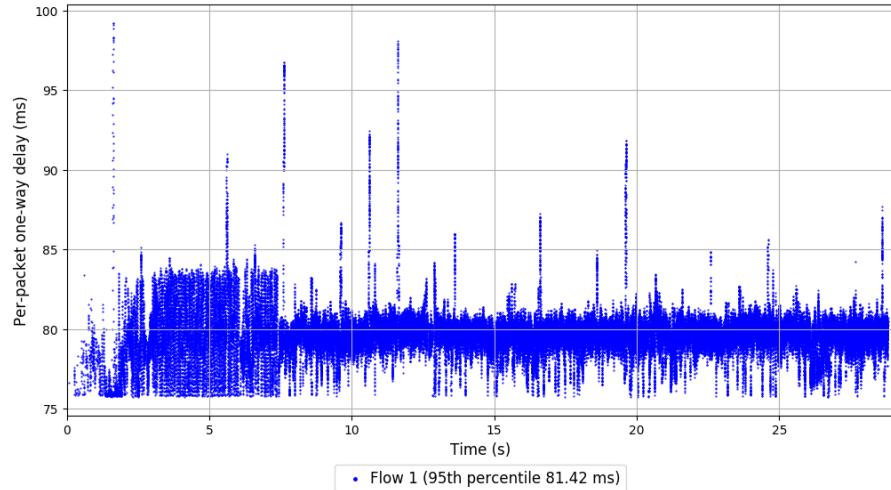
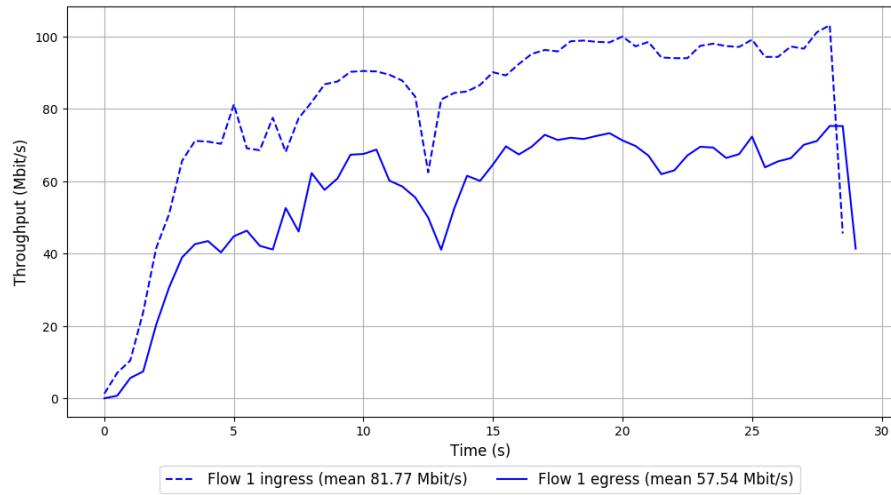


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-07-17 18:09:39
End at: 2019-07-17 18:10:09
Local clock offset: -6.338 ms
Remote clock offset: -5.501 ms

# Below is generated by plot.py at 2019-07-17 19:49:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.54 Mbit/s
95th percentile per-packet one-way delay: 81.423 ms
Loss rate: 29.62%
-- Flow 1:
Average throughput: 57.54 Mbit/s
95th percentile per-packet one-way delay: 81.423 ms
Loss rate: 29.62%
```

Run 2: Report of Indigo-MusesC5 — Data Link

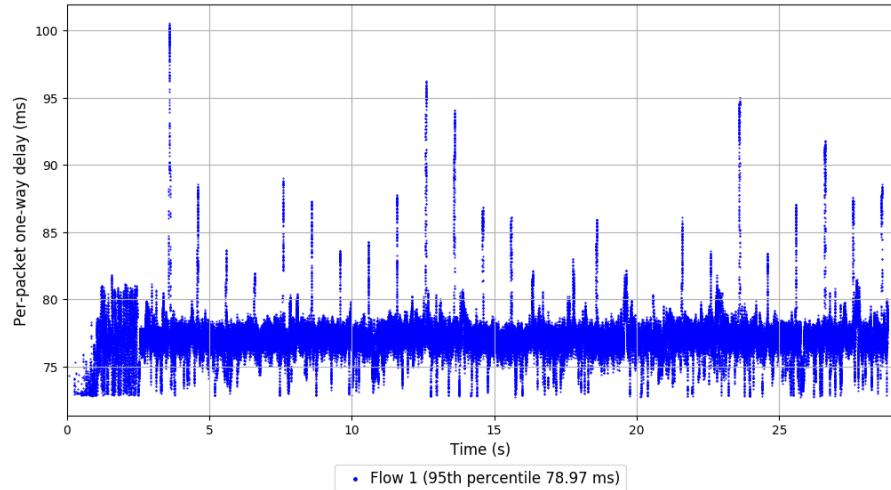
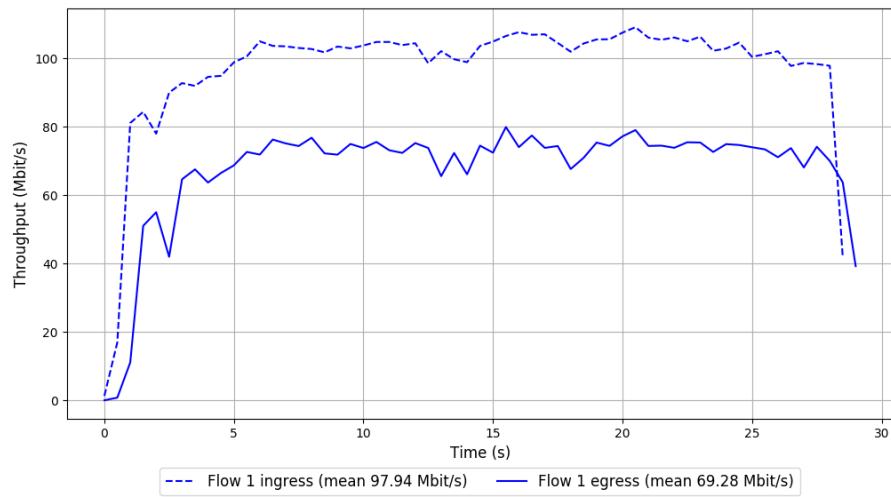


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-07-17 18:37:31
End at: 2019-07-17 18:38:01
Local clock offset: -6.372 ms
Remote clock offset: -5.408 ms

# Below is generated by plot.py at 2019-07-17 19:49:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.28 Mbit/s
95th percentile per-packet one-way delay: 78.975 ms
Loss rate: 29.25%
-- Flow 1:
Average throughput: 69.28 Mbit/s
95th percentile per-packet one-way delay: 78.975 ms
Loss rate: 29.25%
```

Run 3: Report of Indigo-MusesC5 — Data Link

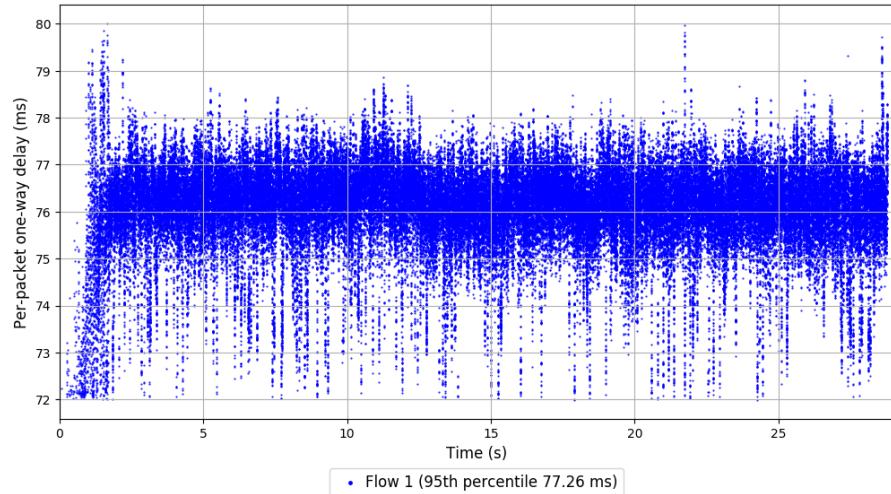
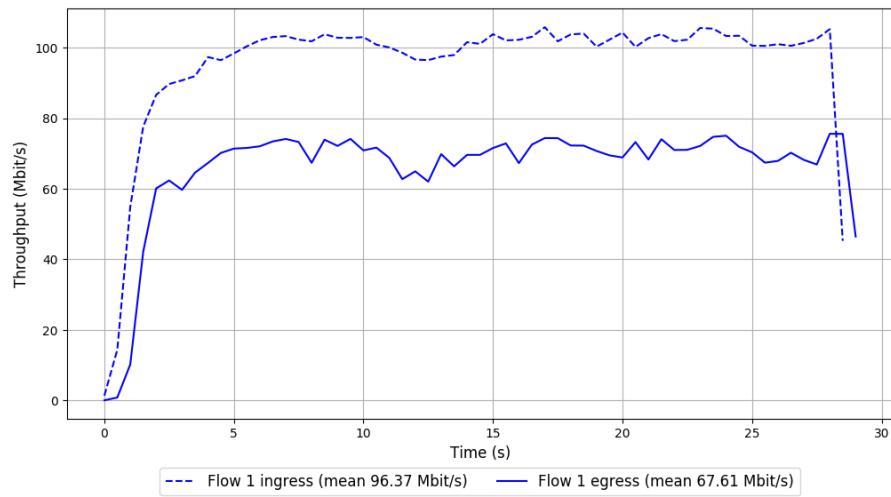


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-07-17 19:05:34
End at: 2019-07-17 19:06:04
Local clock offset: -6.108 ms
Remote clock offset: -2.349 ms

# Below is generated by plot.py at 2019-07-17 19:49:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.61 Mbit/s
95th percentile per-packet one-way delay: 77.258 ms
Loss rate: 29.83%
-- Flow 1:
Average throughput: 67.61 Mbit/s
95th percentile per-packet one-way delay: 77.258 ms
Loss rate: 29.83%
```

Run 4: Report of Indigo-MusesC5 — Data Link

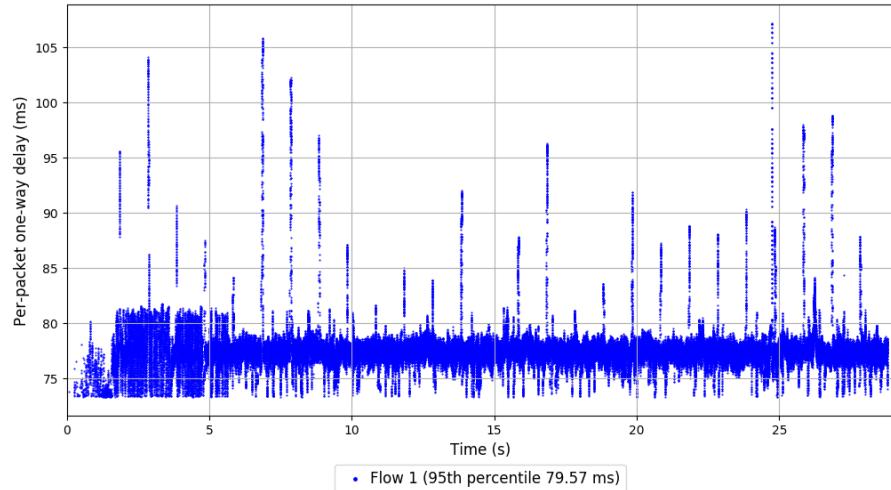
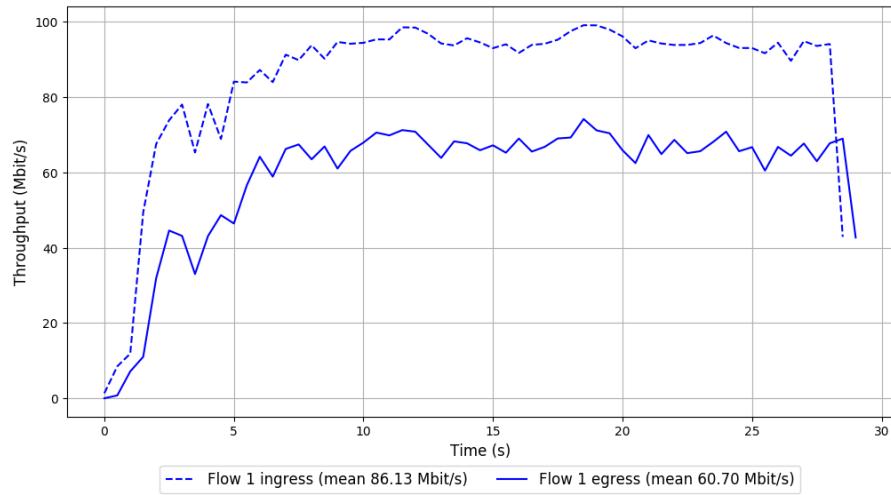


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-07-17 19:33:40
End at: 2019-07-17 19:34:10
Local clock offset: -6.505 ms
Remote clock offset: -6.409 ms

# Below is generated by plot.py at 2019-07-17 19:49:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.70 Mbit/s
95th percentile per-packet one-way delay: 79.574 ms
Loss rate: 29.52%
-- Flow 1:
Average throughput: 60.70 Mbit/s
95th percentile per-packet one-way delay: 79.574 ms
Loss rate: 29.52%
```

Run 5: Report of Indigo-MusesC5 — Data Link

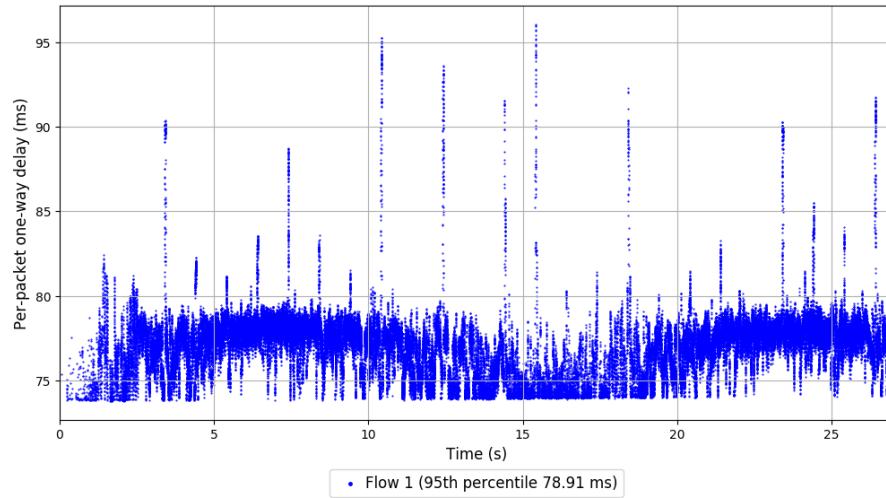
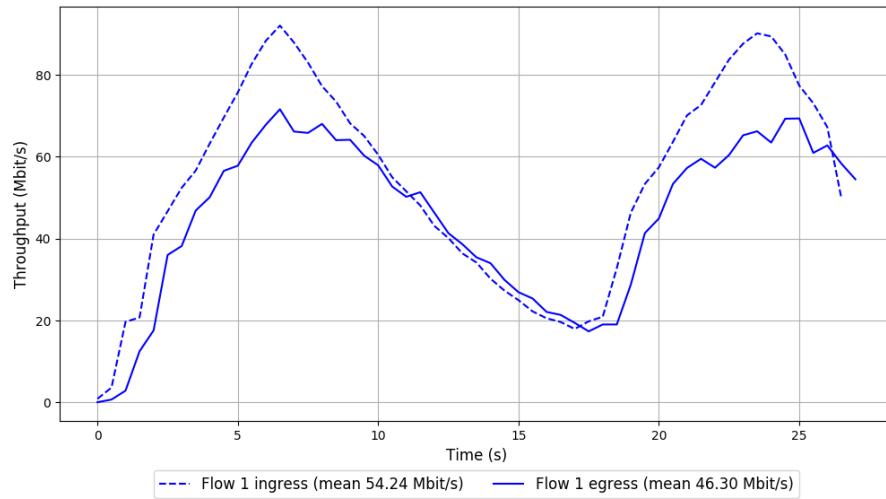


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-07-17 17:28:56
End at: 2019-07-17 17:29:26
Local clock offset: -10.826 ms
Remote clock offset: -6.122 ms

# Below is generated by plot.py at 2019-07-17 19:49:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.30 Mbit/s
95th percentile per-packet one-way delay: 78.907 ms
Loss rate: 14.62%
-- Flow 1:
Average throughput: 46.30 Mbit/s
95th percentile per-packet one-way delay: 78.907 ms
Loss rate: 14.62%
```

Run 1: Report of Indigo-MusesD — Data Link

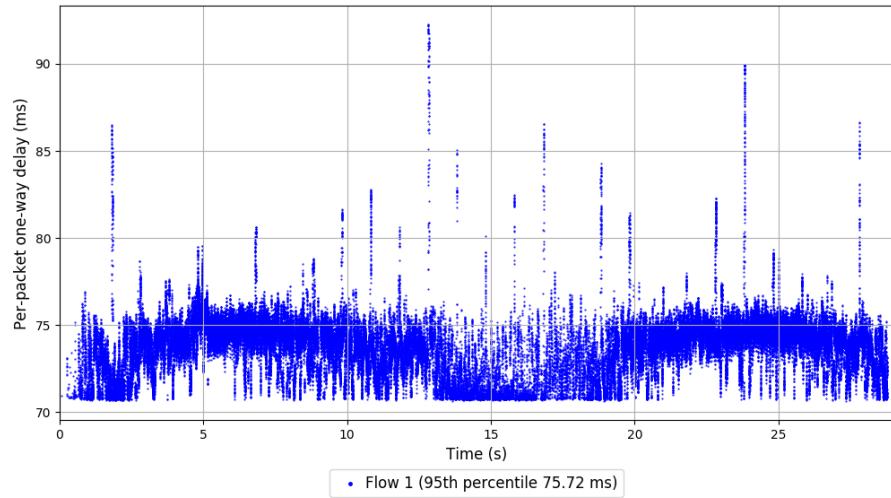
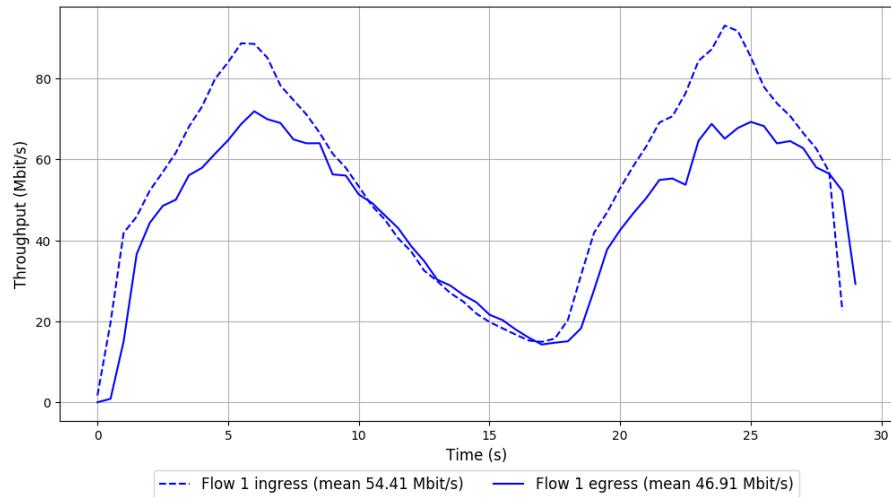


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-07-17 17:57:01
End at: 2019-07-17 17:57:31
Local clock offset: -6.431 ms
Remote clock offset: -10.136 ms

# Below is generated by plot.py at 2019-07-17 19:49:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.91 Mbit/s
95th percentile per-packet one-way delay: 75.725 ms
Loss rate: 13.79%
-- Flow 1:
Average throughput: 46.91 Mbit/s
95th percentile per-packet one-way delay: 75.725 ms
Loss rate: 13.79%
```

Run 2: Report of Indigo-MusesD — Data Link

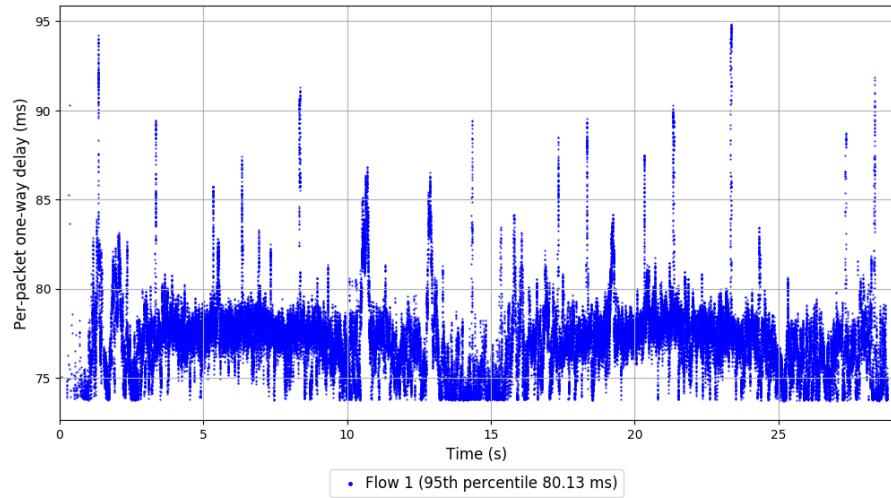
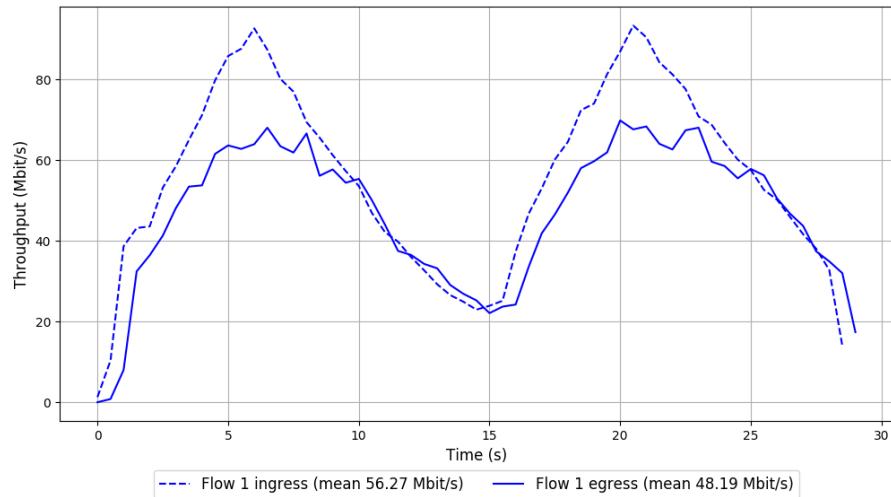


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-07-17 18:24:54
End at: 2019-07-17 18:25:24
Local clock offset: -6.201 ms
Remote clock offset: -5.523 ms

# Below is generated by plot.py at 2019-07-17 19:50:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.19 Mbit/s
95th percentile per-packet one-way delay: 80.127 ms
Loss rate: 14.36%
-- Flow 1:
Average throughput: 48.19 Mbit/s
95th percentile per-packet one-way delay: 80.127 ms
Loss rate: 14.36%
```

Run 3: Report of Indigo-MusesD — Data Link

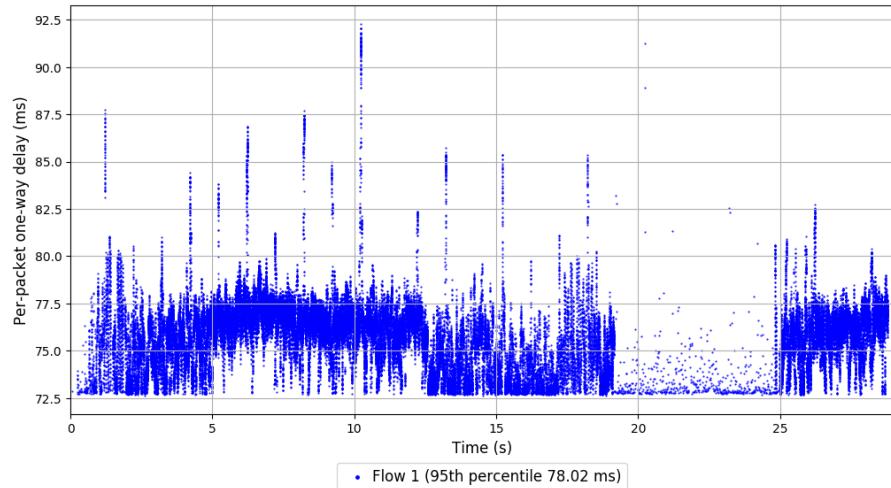
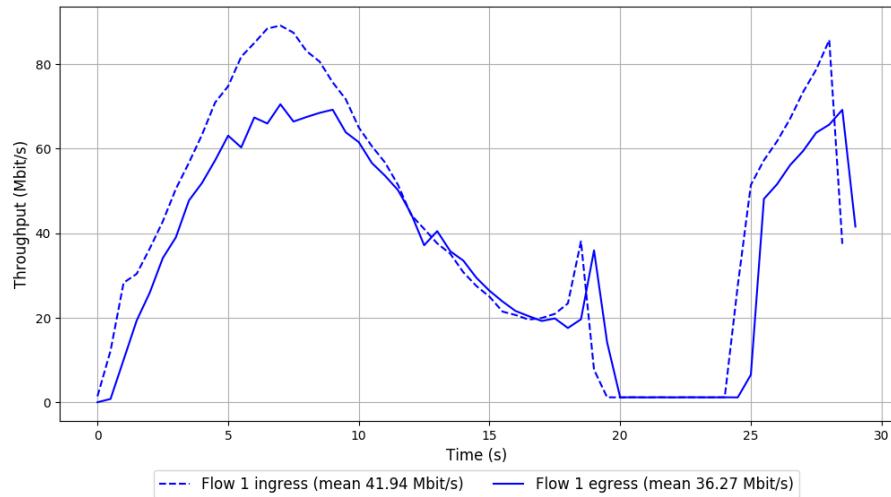


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-07-17 18:52:44
End at: 2019-07-17 18:53:14
Local clock offset: -6.324 ms
Remote clock offset: -3.132 ms

# Below is generated by plot.py at 2019-07-17 19:50:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.27 Mbit/s
95th percentile per-packet one-way delay: 78.018 ms
Loss rate: 13.51%
-- Flow 1:
Average throughput: 36.27 Mbit/s
95th percentile per-packet one-way delay: 78.018 ms
Loss rate: 13.51%
```

Run 4: Report of Indigo-MusesD — Data Link

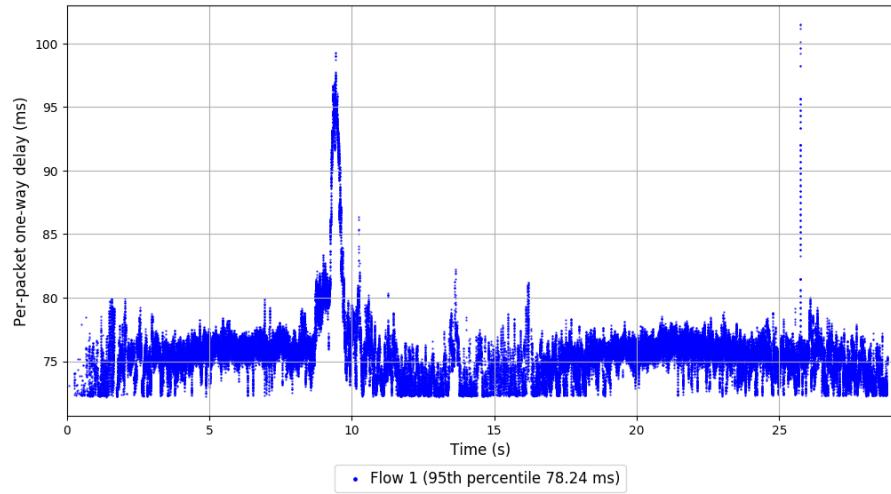
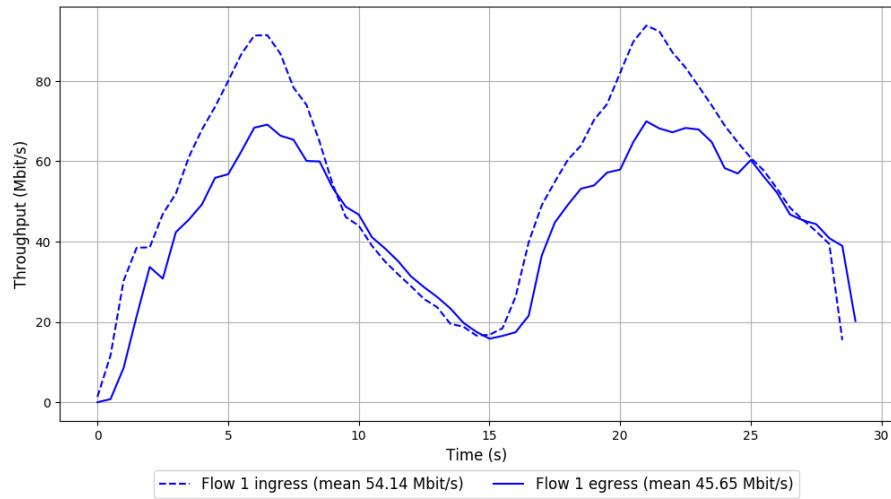


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-07-17 19:20:55
End at: 2019-07-17 19:21:25
Local clock offset: -5.944 ms
Remote clock offset: -5.659 ms

# Below is generated by plot.py at 2019-07-17 19:50:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.65 Mbit/s
95th percentile per-packet one-way delay: 78.237 ms
Loss rate: 15.68%
-- Flow 1:
Average throughput: 45.65 Mbit/s
95th percentile per-packet one-way delay: 78.237 ms
Loss rate: 15.68%
```

Run 5: Report of Indigo-MusesD — Data Link

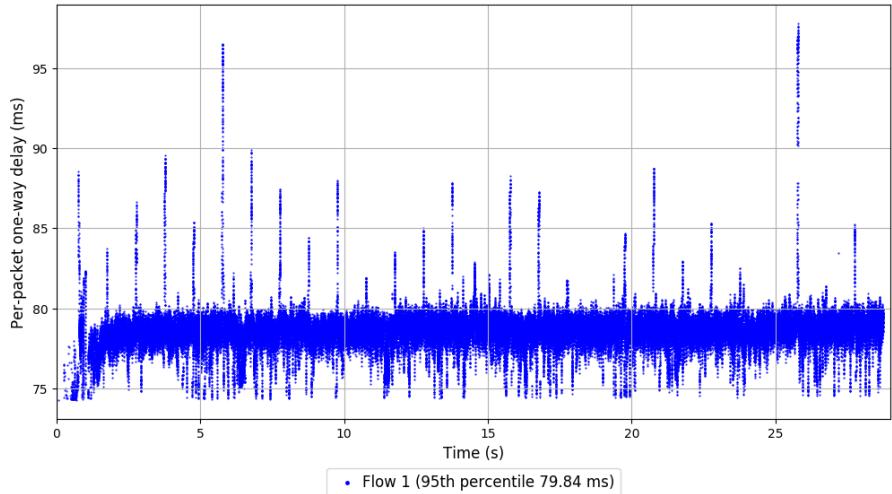
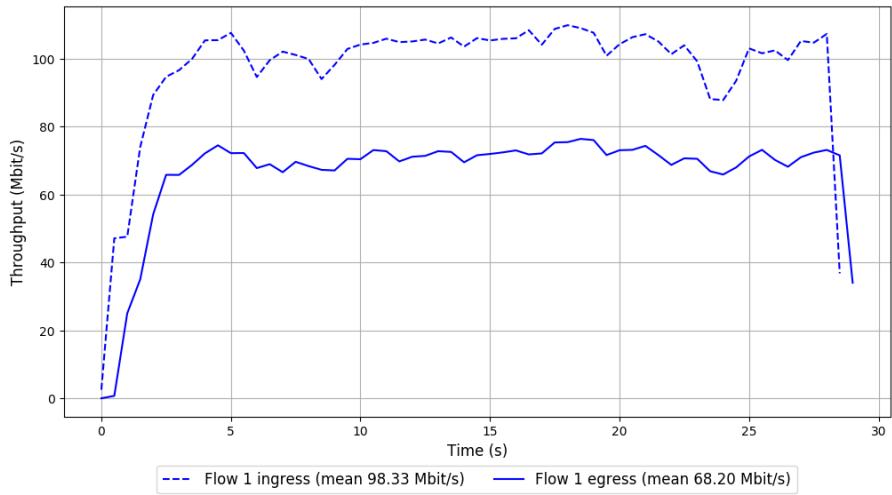


```
Run 1: Statistics of Indigo-MusesT
```

```
Start at: 2019-07-17 17:30:07
End at: 2019-07-17 17:30:37
Local clock offset: -10.159 ms
Remote clock offset: -7.059 ms

# Below is generated by plot.py at 2019-07-17 19:50:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.20 Mbit/s
95th percentile per-packet one-way delay: 79.836 ms
Loss rate: 30.64%
-- Flow 1:
Average throughput: 68.20 Mbit/s
95th percentile per-packet one-way delay: 79.836 ms
Loss rate: 30.64%
```

Run 1: Report of Indigo-MusesT — Data Link

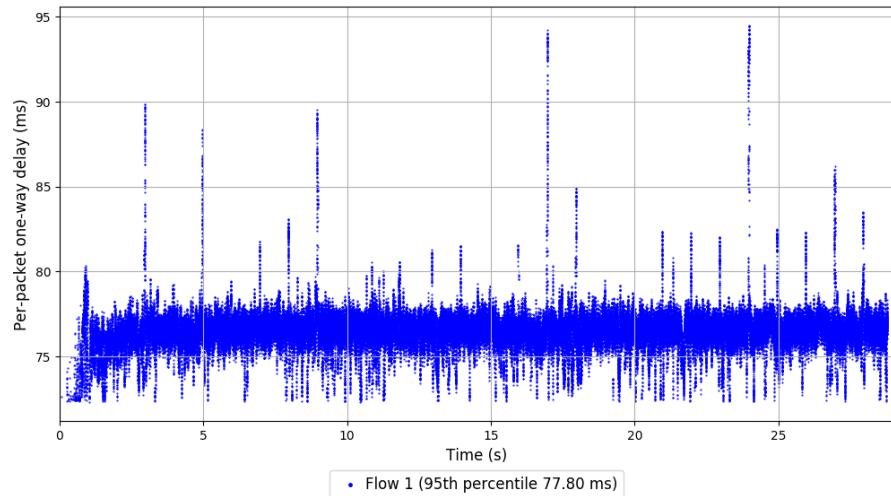
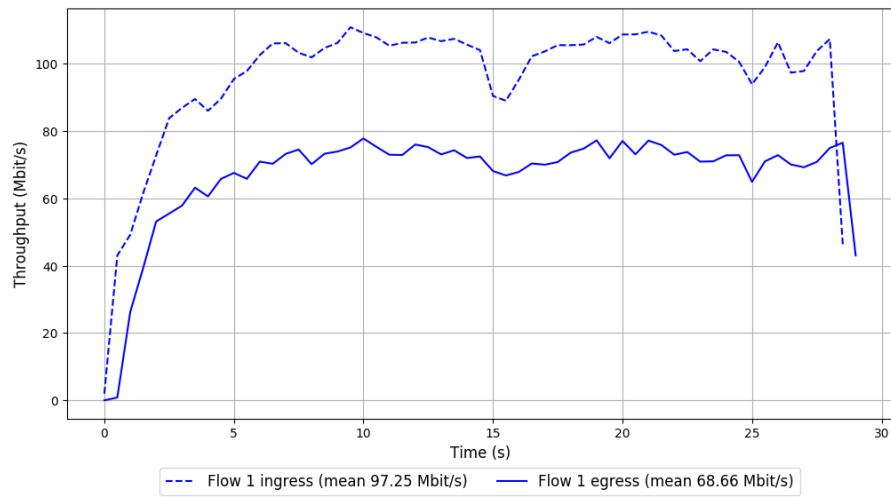


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-07-17 17:58:11
End at: 2019-07-17 17:58:41
Local clock offset: -6.386 ms
Remote clock offset: -8.926 ms

# Below is generated by plot.py at 2019-07-17 19:50:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.66 Mbit/s
95th percentile per-packet one-way delay: 77.801 ms
Loss rate: 29.39%
-- Flow 1:
Average throughput: 68.66 Mbit/s
95th percentile per-packet one-way delay: 77.801 ms
Loss rate: 29.39%
```

Run 2: Report of Indigo-MusesT — Data Link

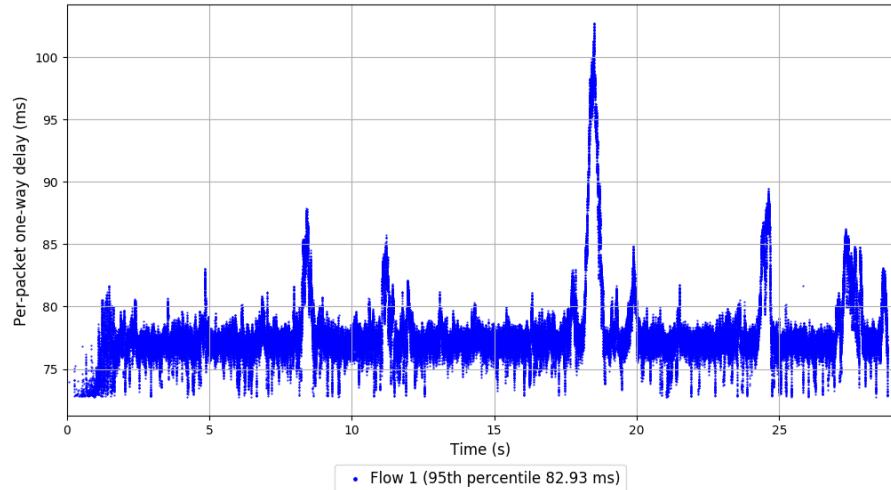
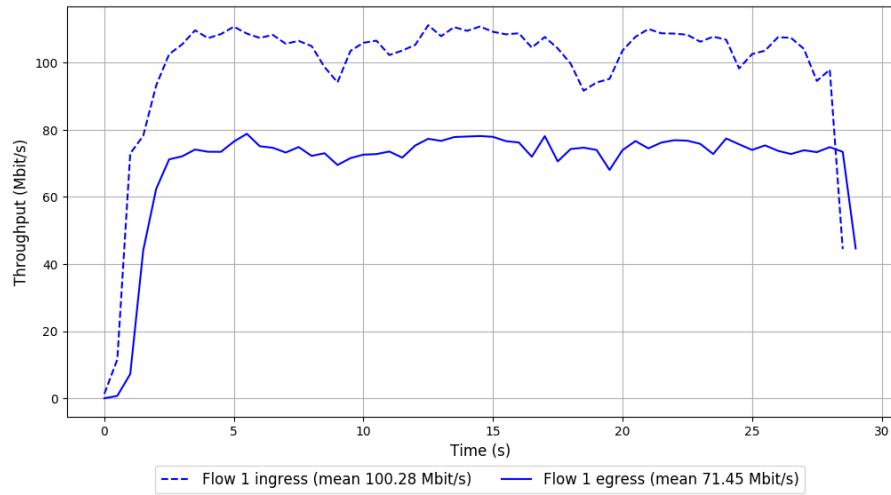


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-07-17 18:26:05
End at: 2019-07-17 18:26:35
Local clock offset: -6.239 ms
Remote clock offset: -6.217 ms

# Below is generated by plot.py at 2019-07-17 19:50:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.45 Mbit/s
95th percentile per-packet one-way delay: 82.926 ms
Loss rate: 28.75%
-- Flow 1:
Average throughput: 71.45 Mbit/s
95th percentile per-packet one-way delay: 82.926 ms
Loss rate: 28.75%
```

Run 3: Report of Indigo-MusesT — Data Link

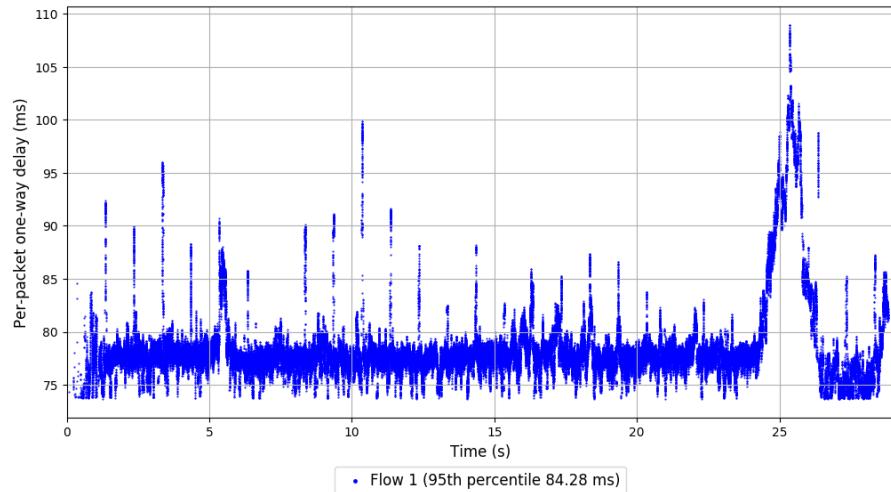
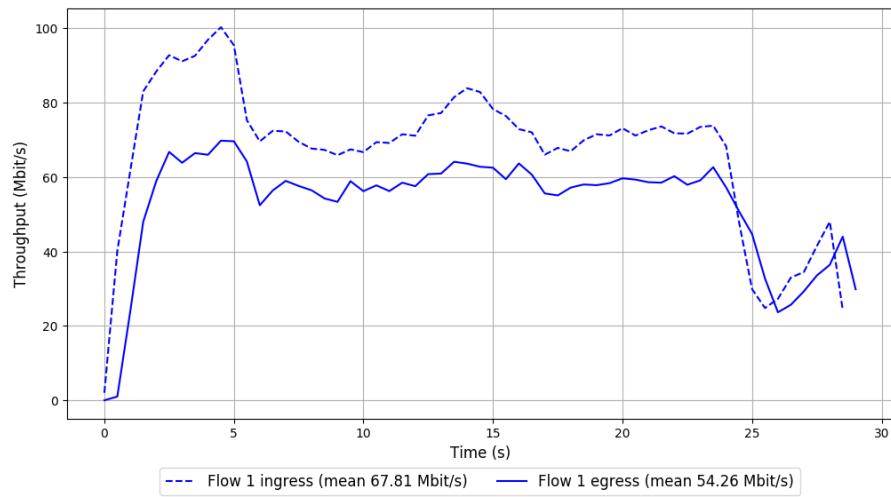


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-07-17 18:53:54
End at: 2019-07-17 18:54:24
Local clock offset: -6.317 ms
Remote clock offset: -1.552 ms

# Below is generated by plot.py at 2019-07-17 19:50:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.26 Mbit/s
95th percentile per-packet one-way delay: 84.282 ms
Loss rate: 19.96%
-- Flow 1:
Average throughput: 54.26 Mbit/s
95th percentile per-packet one-way delay: 84.282 ms
Loss rate: 19.96%
```

Run 4: Report of Indigo-MusesT — Data Link

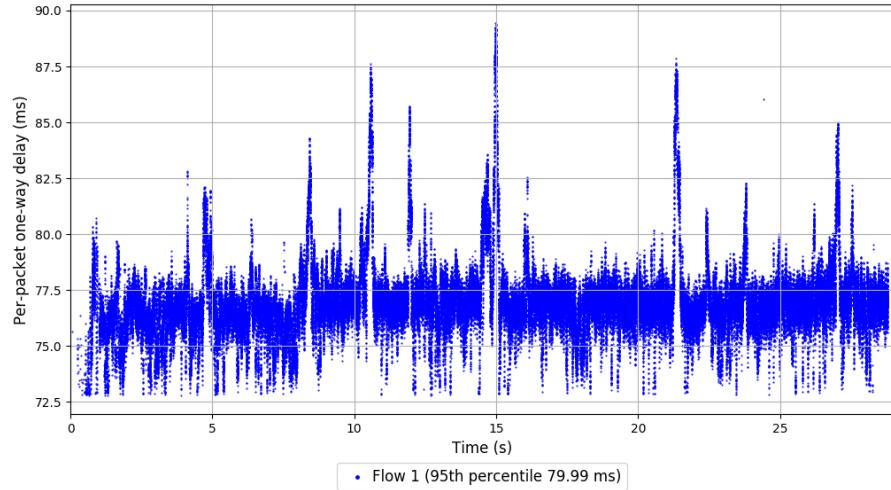
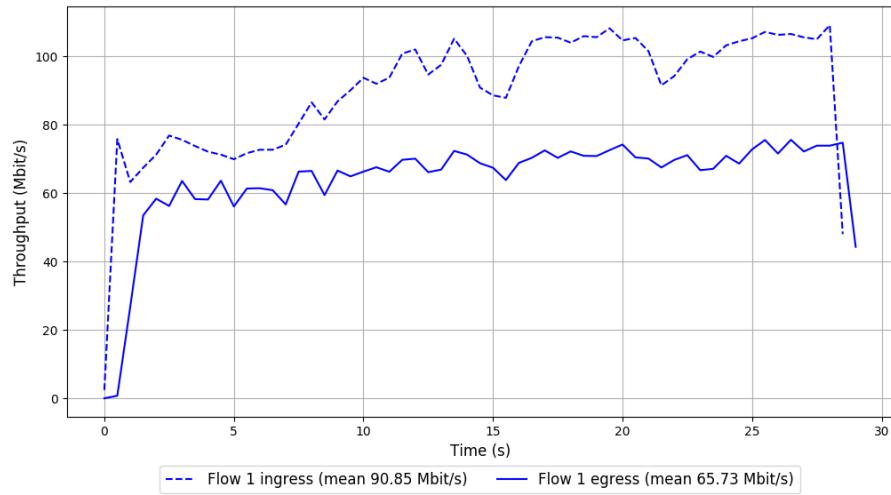


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-07-17 19:22:05
End at: 2019-07-17 19:22:35
Local clock offset: -5.95 ms
Remote clock offset: -5.643 ms

# Below is generated by plot.py at 2019-07-17 19:50:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.73 Mbit/s
95th percentile per-packet one-way delay: 79.989 ms
Loss rate: 27.65%
-- Flow 1:
Average throughput: 65.73 Mbit/s
95th percentile per-packet one-way delay: 79.989 ms
Loss rate: 27.65%
```

Run 5: Report of Indigo-MusesT — Data Link

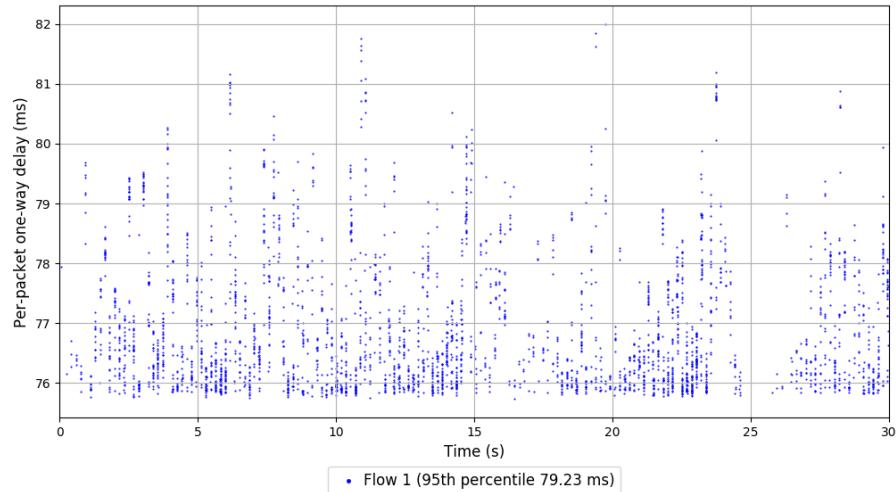
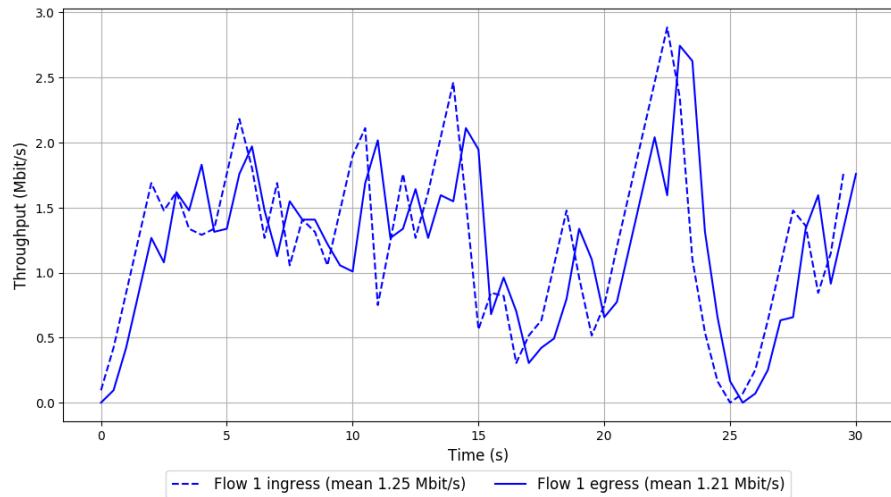


Run 1: Statistics of LEDBAT

```
Start at: 2019-07-17 17:52:17
End at: 2019-07-17 17:52:47
Local clock offset: -6.477 ms
Remote clock offset: -7.055 ms

# Below is generated by plot.py at 2019-07-17 19:50:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 79.230 ms
Loss rate: 2.77%
-- Flow 1:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 79.230 ms
Loss rate: 2.77%
```

Run 1: Report of LEDBAT — Data Link

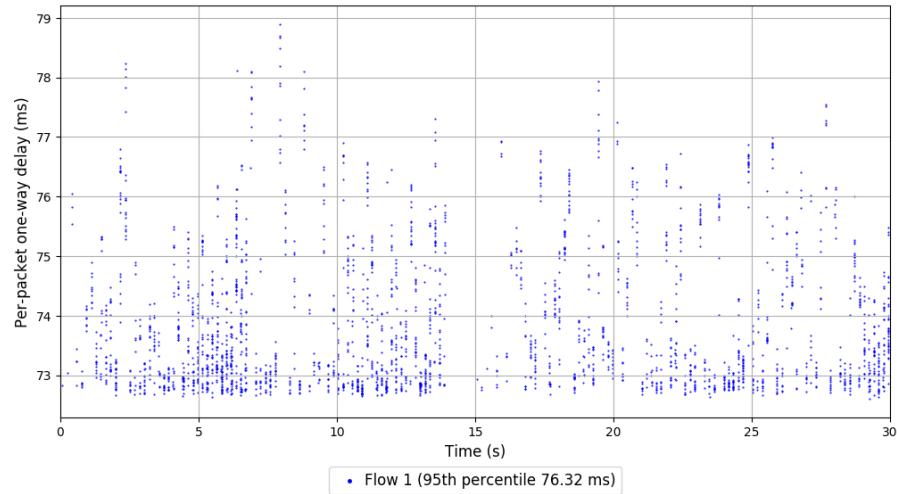
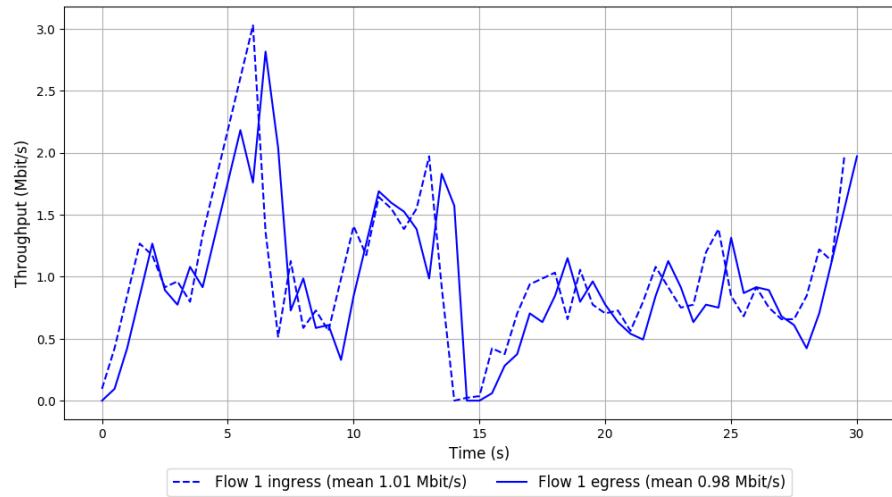


Run 2: Statistics of LEDBAT

```
Start at: 2019-07-17 18:20:13
End at: 2019-07-17 18:20:43
Local clock offset: -6.329 ms
Remote clock offset: -6.579 ms

# Below is generated by plot.py at 2019-07-17 19:50:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 76.317 ms
Loss rate: 3.22%
-- Flow 1:
Average throughput: 0.98 Mbit/s
95th percentile per-packet one-way delay: 76.317 ms
Loss rate: 3.22%
```

Run 2: Report of LEDBAT — Data Link

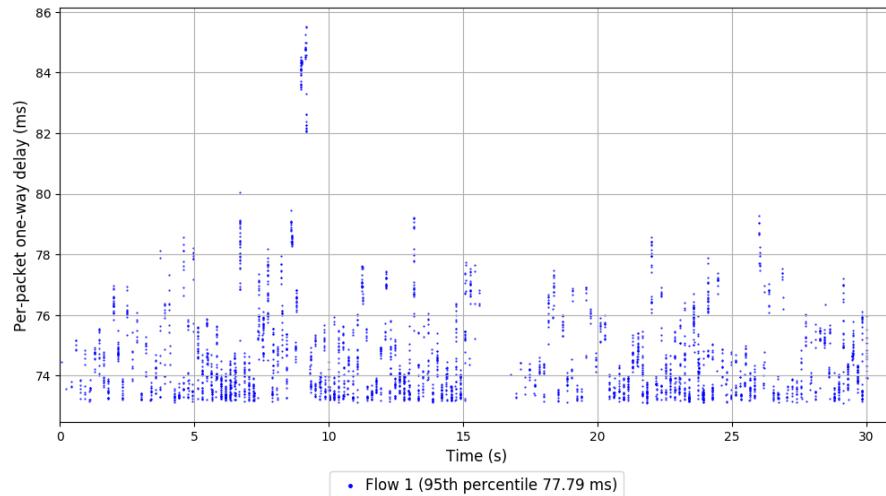
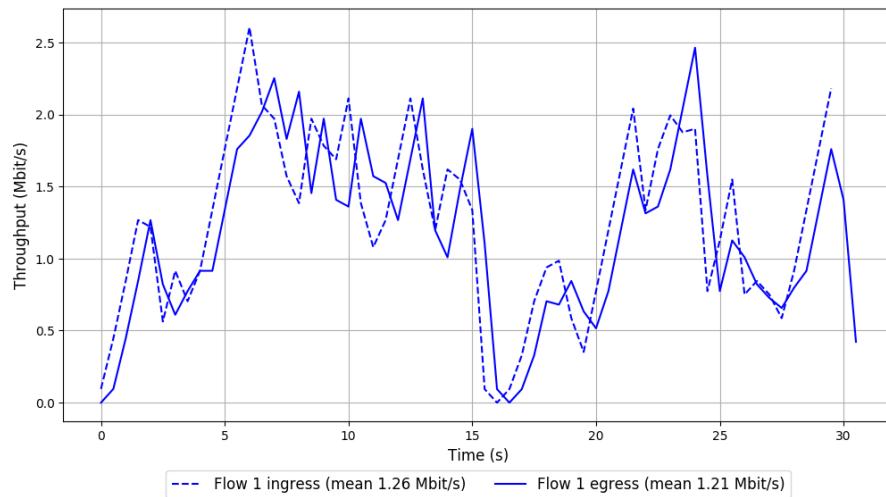


Run 3: Statistics of LEDBAT

```
Start at: 2019-07-17 18:48:03
End at: 2019-07-17 18:48:33
Local clock offset: -6.334 ms
Remote clock offset: -4.527 ms

# Below is generated by plot.py at 2019-07-17 19:50:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 77.788 ms
Loss rate: 3.83%
-- Flow 1:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 77.788 ms
Loss rate: 3.83%
```

Run 3: Report of LEDBAT — Data Link

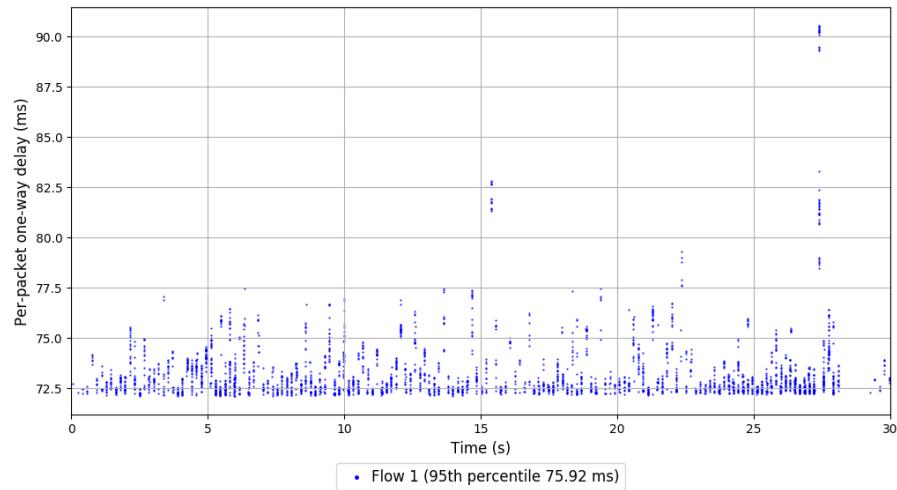
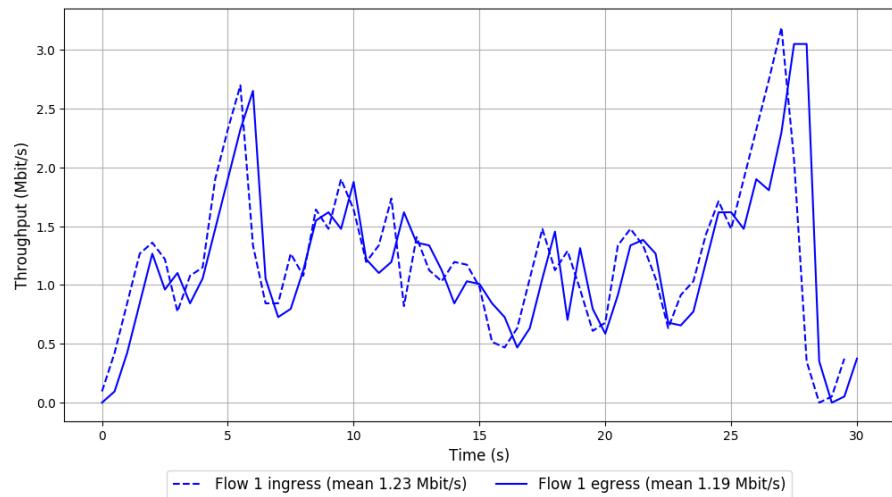


Run 4: Statistics of LEDBAT

```
Start at: 2019-07-17 19:16:11
End at: 2019-07-17 19:16:41
Local clock offset: -5.985 ms
Remote clock offset: -4.502 ms

# Below is generated by plot.py at 2019-07-17 19:50:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 75.915 ms
Loss rate: 2.72%
-- Flow 1:
Average throughput: 1.19 Mbit/s
95th percentile per-packet one-way delay: 75.915 ms
Loss rate: 2.72%
```

Run 4: Report of LEDBAT — Data Link

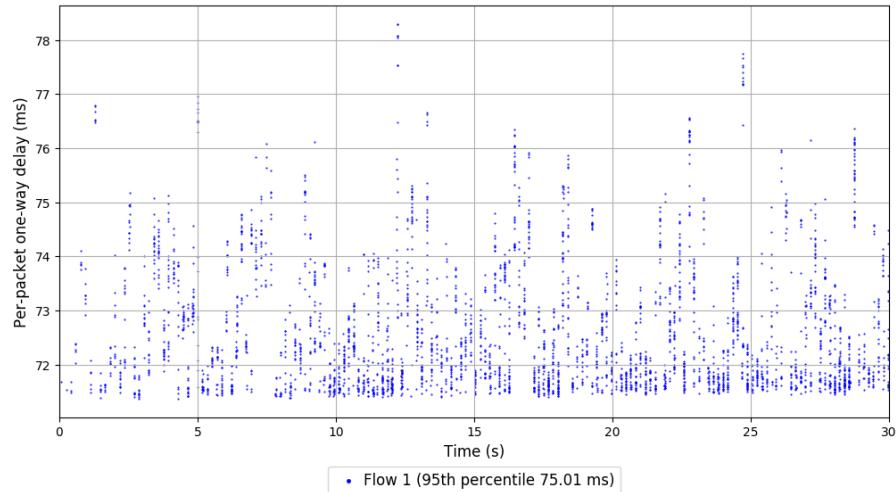
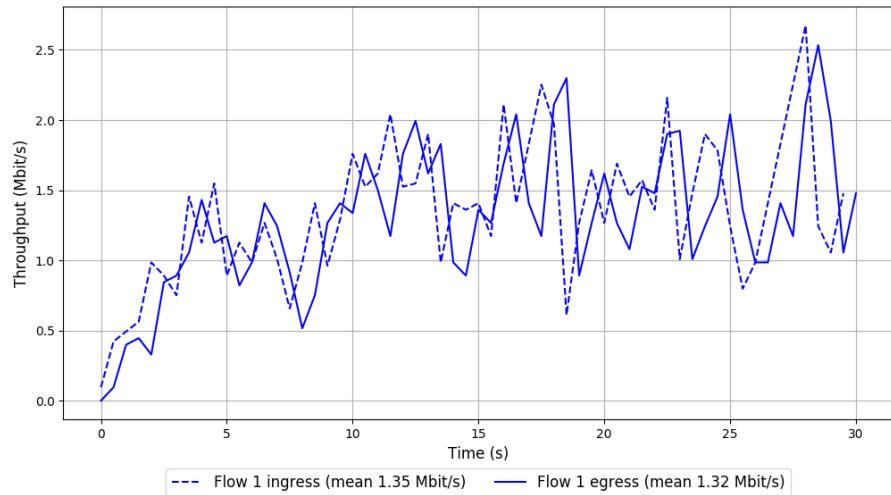


Run 5: Statistics of LEDBAT

```
Start at: 2019-07-17 19:44:10
End at: 2019-07-17 19:44:40
Local clock offset: -6.787 ms
Remote clock offset: -9.383 ms

# Below is generated by plot.py at 2019-07-17 19:50:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 75.008 ms
Loss rate: 2.23%
-- Flow 1:
Average throughput: 1.32 Mbit/s
95th percentile per-packet one-way delay: 75.008 ms
Loss rate: 2.23%
```

Run 5: Report of LEDBAT — Data Link

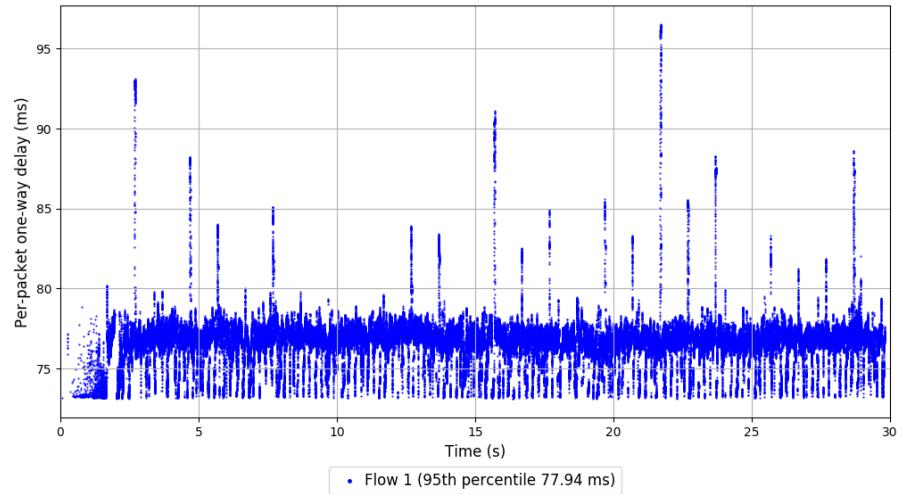
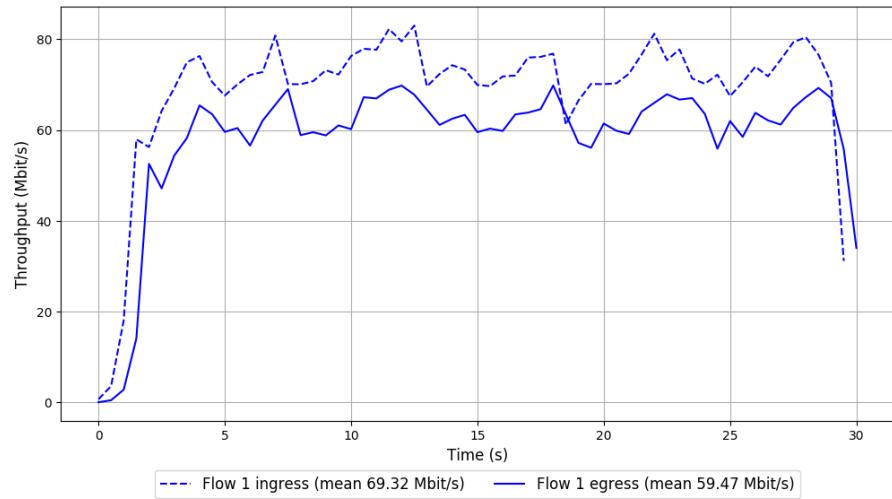


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-07-17 17:53:26
End at: 2019-07-17 17:53:56
Local clock offset: -6.47 ms
Remote clock offset: -8.886 ms

# Below is generated by plot.py at 2019-07-17 19:50:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.47 Mbit/s
95th percentile per-packet one-way delay: 77.936 ms
Loss rate: 14.19%
-- Flow 1:
Average throughput: 59.47 Mbit/s
95th percentile per-packet one-way delay: 77.936 ms
Loss rate: 14.19%
```

Run 1: Report of Muses_DecisionTree — Data Link

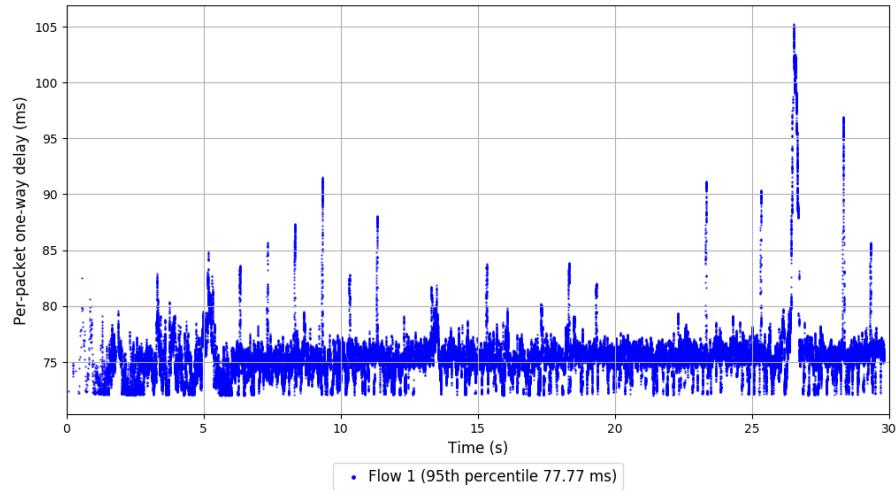
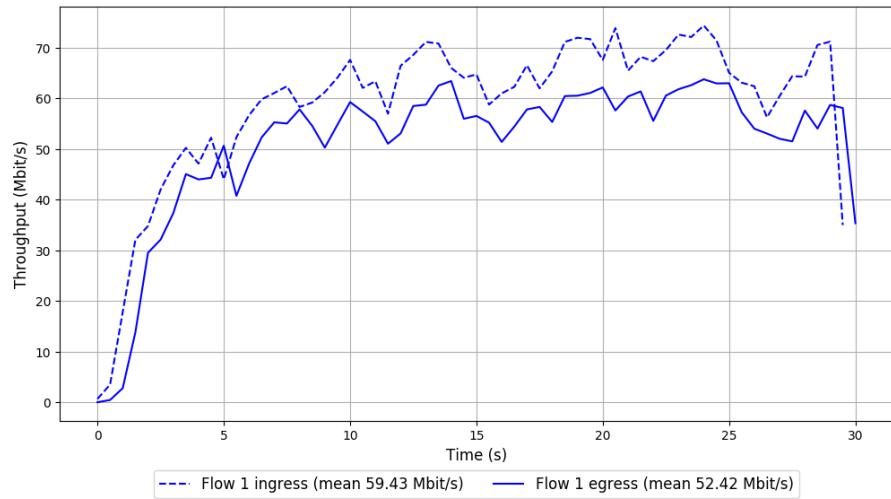


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-07-17 18:21:21
End at: 2019-07-17 18:21:51
Local clock offset: -6.227 ms
Remote clock offset: -6.816 ms

# Below is generated by plot.py at 2019-07-17 19:50:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.42 Mbit/s
95th percentile per-packet one-way delay: 77.769 ms
Loss rate: 11.78%
-- Flow 1:
Average throughput: 52.42 Mbit/s
95th percentile per-packet one-way delay: 77.769 ms
Loss rate: 11.78%
```

Run 2: Report of Muses_DecisionTree — Data Link

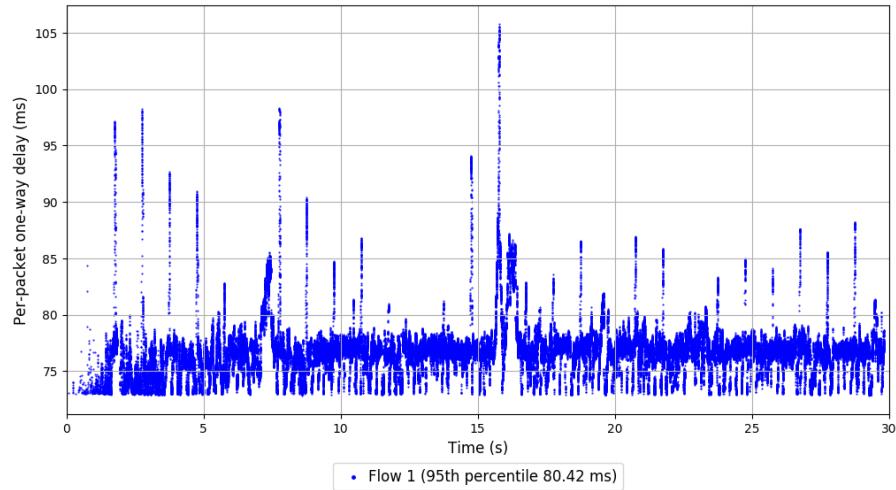
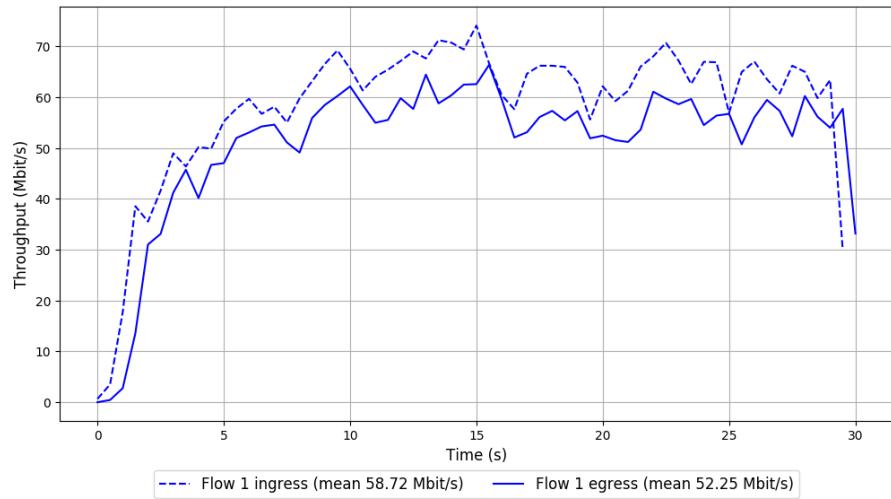


```
Run 3: Statistics of Muses\_DecisionTree
```

```
Start at: 2019-07-17 18:49:11
End at: 2019-07-17 18:49:41
Local clock offset: -6.331 ms
Remote clock offset: -3.723 ms

# Below is generated by plot.py at 2019-07-17 19:51:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.25 Mbit/s
95th percentile per-packet one-way delay: 80.415 ms
Loss rate: 11.02%
-- Flow 1:
Average throughput: 52.25 Mbit/s
95th percentile per-packet one-way delay: 80.415 ms
Loss rate: 11.02%
```

Run 3: Report of Muses_DecisionTree — Data Link

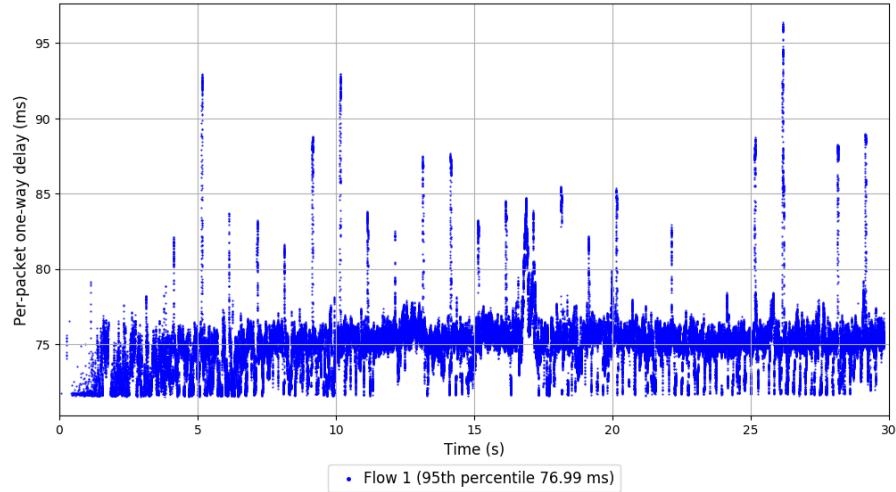
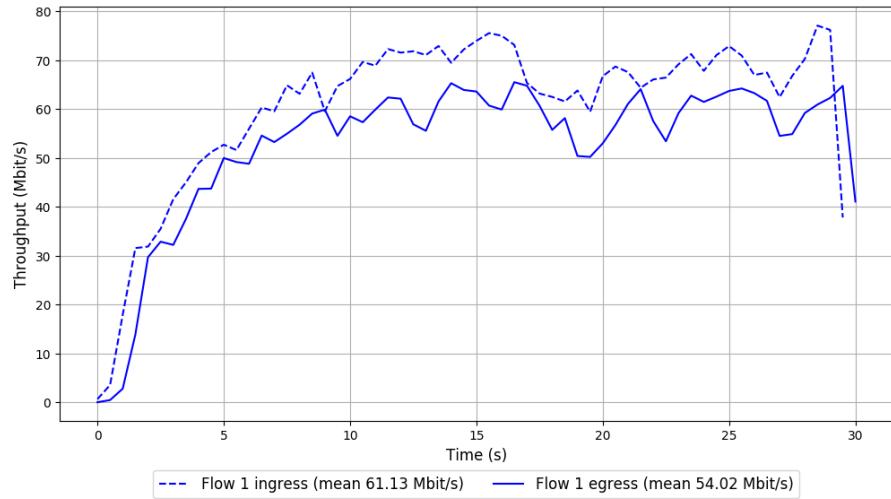


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-07-17 19:17:20
End at: 2019-07-17 19:17:50
Local clock offset: -5.972 ms
Remote clock offset: -5.795 ms

# Below is generated by plot.py at 2019-07-17 19:51:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.02 Mbit/s
95th percentile per-packet one-way delay: 76.992 ms
Loss rate: 11.61%
-- Flow 1:
Average throughput: 54.02 Mbit/s
95th percentile per-packet one-way delay: 76.992 ms
Loss rate: 11.61%
```

Run 4: Report of Muses_DecisionTree — Data Link

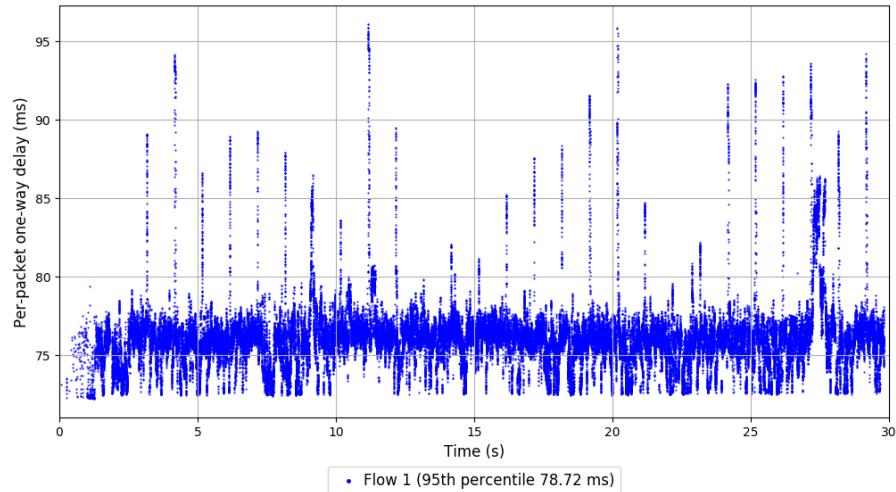
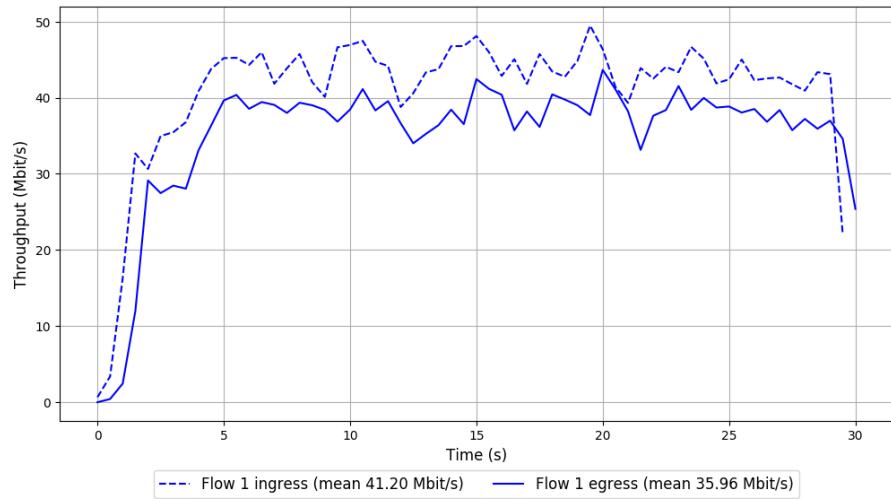


```
Run 5: Statistics of Muses\_DecisionTree
```

```
Start at: 2019-07-17 19:45:18
End at: 2019-07-17 19:45:48
Local clock offset: -6.819 ms
Remote clock offset: -8.231 ms

# Below is generated by plot.py at 2019-07-17 19:51:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.96 Mbit/s
95th percentile per-packet one-way delay: 78.720 ms
Loss rate: 12.71%
-- Flow 1:
Average throughput: 35.96 Mbit/s
95th percentile per-packet one-way delay: 78.720 ms
Loss rate: 12.71%
```

Run 5: Report of Muses_DecisionTree — Data Link

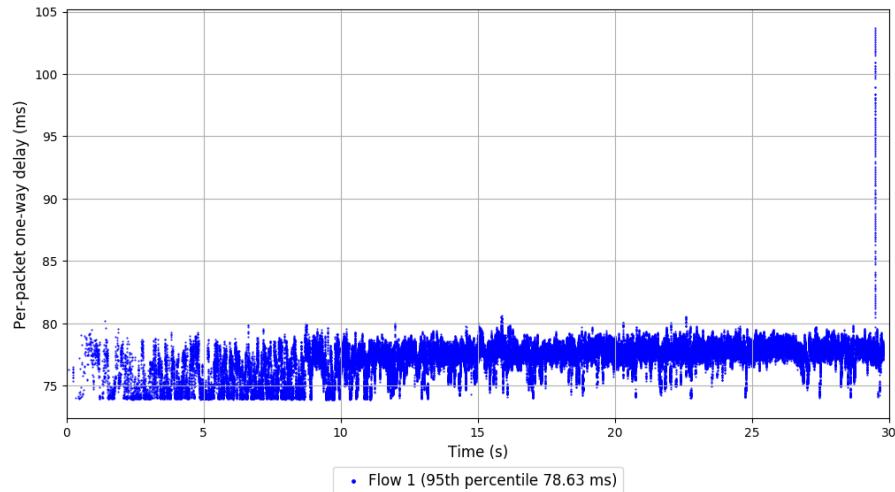
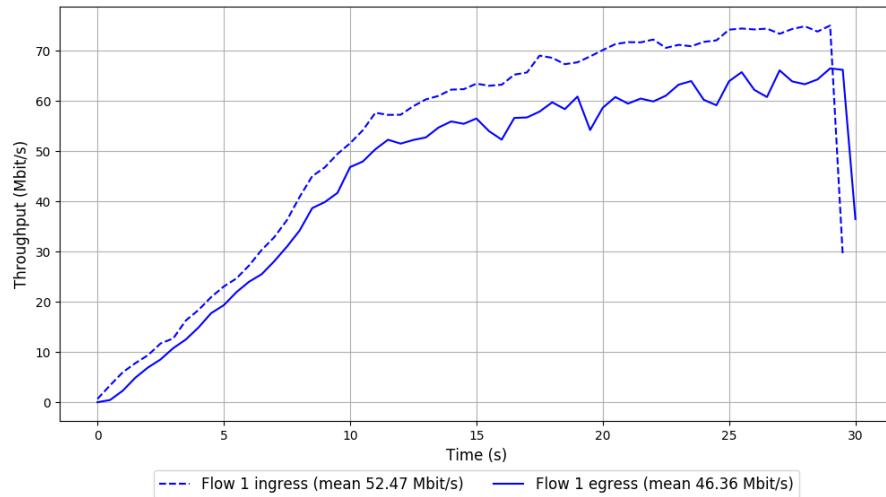


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-17 17:39:18
End at: 2019-07-17 17:39:48
Local clock offset: -7.667 ms
Remote clock offset: -6.44 ms

# Below is generated by plot.py at 2019-07-17 19:51:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.36 Mbit/s
95th percentile per-packet one-way delay: 78.632 ms
Loss rate: 11.65%
-- Flow 1:
Average throughput: 46.36 Mbit/s
95th percentile per-packet one-way delay: 78.632 ms
Loss rate: 11.65%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

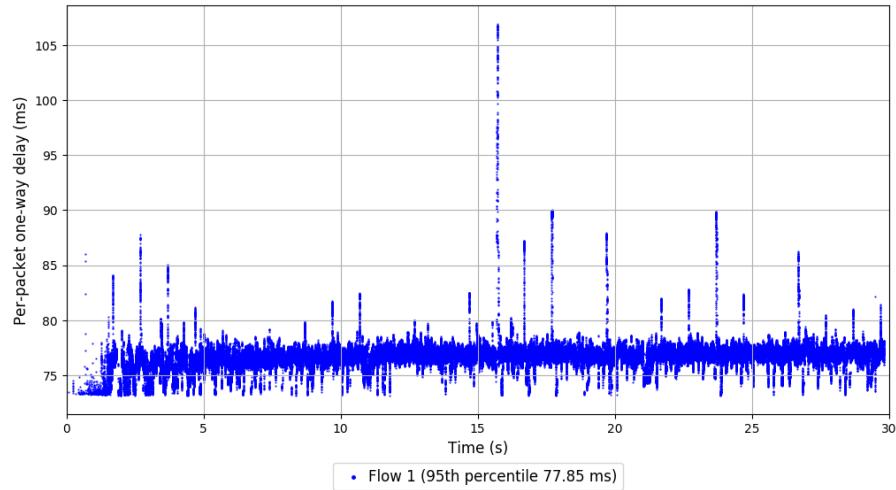
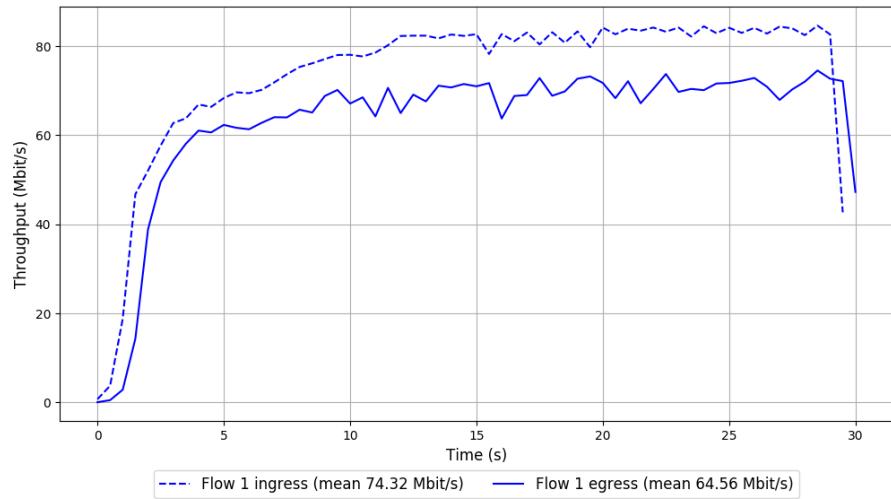


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-17 18:07:20
End at: 2019-07-17 18:07:50
Local clock offset: -6.41 ms
Remote clock offset: -6.595 ms

# Below is generated by plot.py at 2019-07-17 19:51:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.56 Mbit/s
95th percentile per-packet one-way delay: 77.849 ms
Loss rate: 13.11%
-- Flow 1:
Average throughput: 64.56 Mbit/s
95th percentile per-packet one-way delay: 77.849 ms
Loss rate: 13.11%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

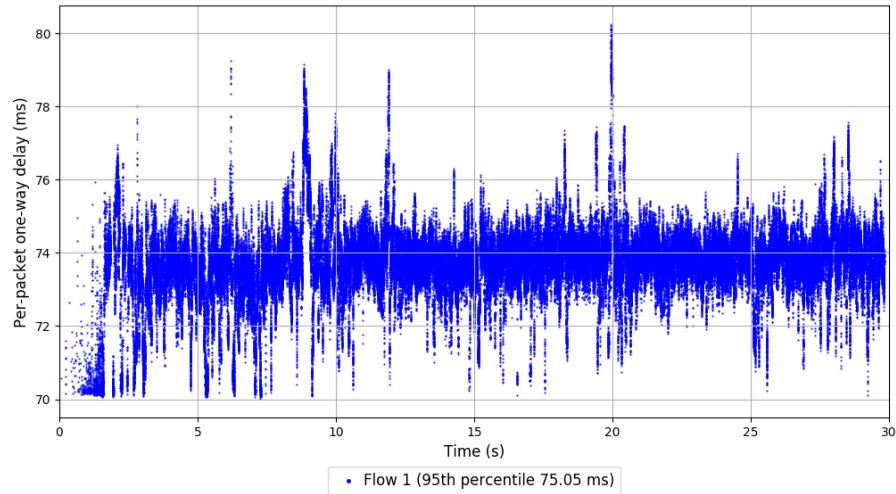
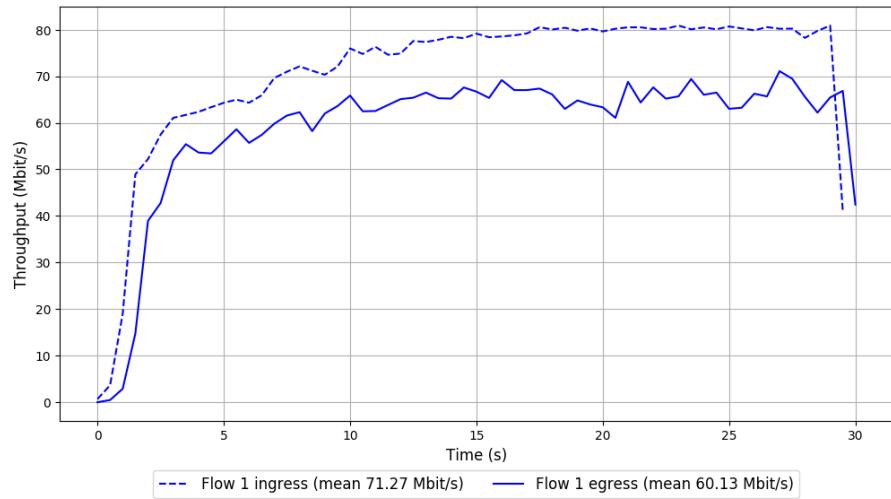


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-17 18:35:12
End at: 2019-07-17 18:35:42
Local clock offset: -6.368 ms
Remote clock offset: -7.908 ms

# Below is generated by plot.py at 2019-07-17 19:51:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.13 Mbit/s
95th percentile per-packet one-way delay: 75.050 ms
Loss rate: 15.63%
-- Flow 1:
Average throughput: 60.13 Mbit/s
95th percentile per-packet one-way delay: 75.050 ms
Loss rate: 15.63%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

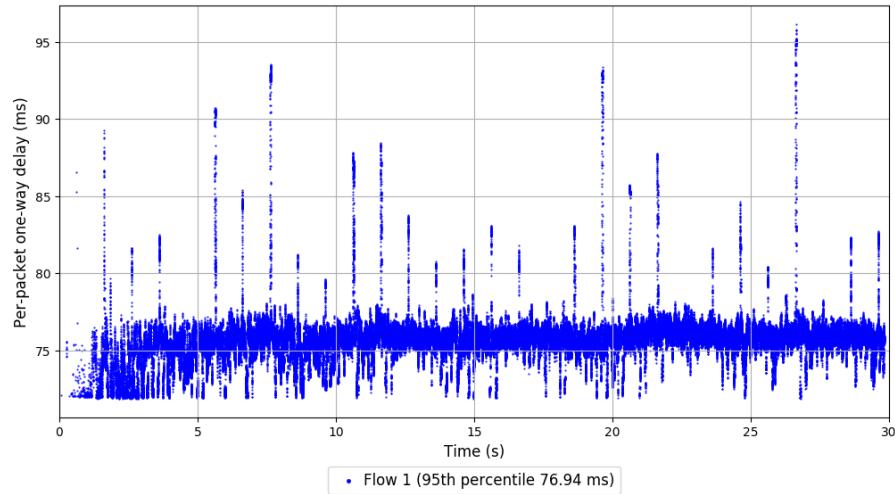
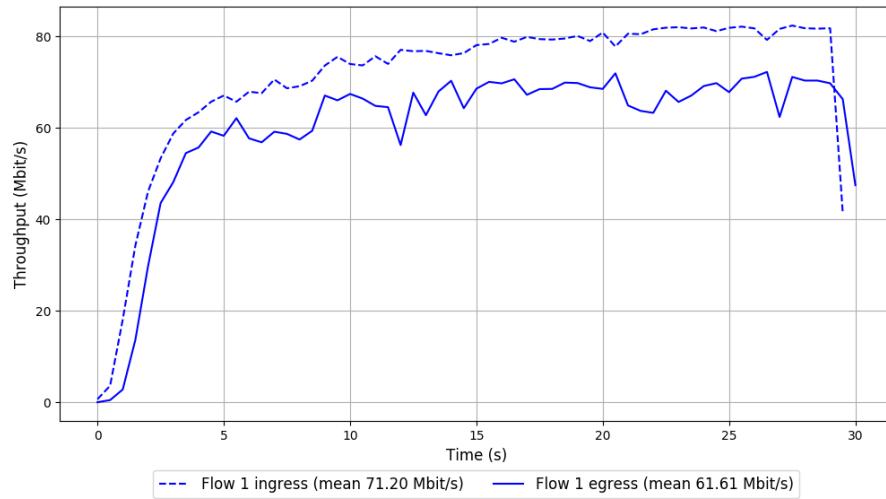


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-17 19:03:09
End at: 2019-07-17 19:03:39
Local clock offset: -6.161 ms
Remote clock offset: -2.397 ms

# Below is generated by plot.py at 2019-07-17 19:51:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 76.939 ms
Loss rate: 13.45%
-- Flow 1:
Average throughput: 61.61 Mbit/s
95th percentile per-packet one-way delay: 76.939 ms
Loss rate: 13.45%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

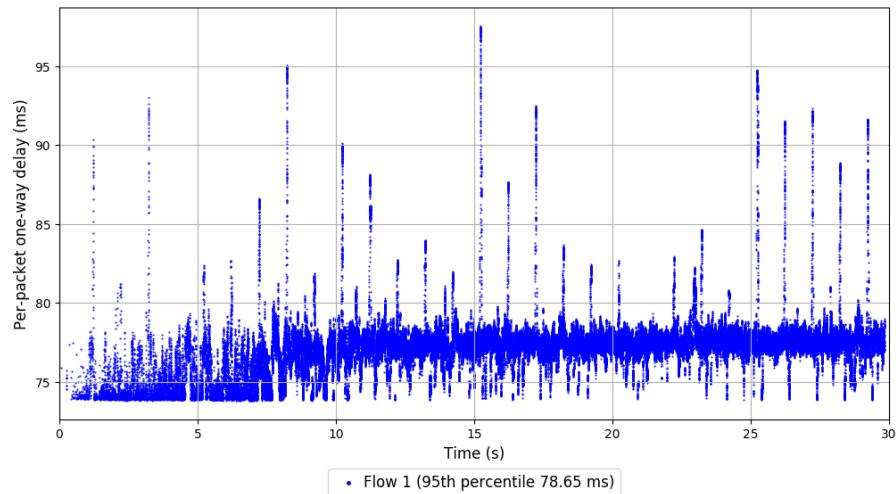
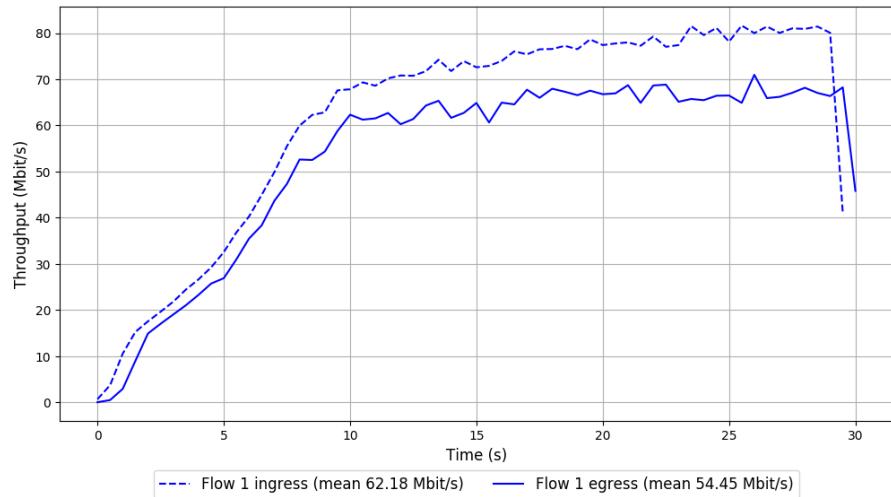


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-17 19:31:21
End at: 2019-07-17 19:31:51
Local clock offset: -6.405 ms
Remote clock offset: -4.562 ms

# Below is generated by plot.py at 2019-07-17 19:51:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.45 Mbit/s
95th percentile per-packet one-way delay: 78.654 ms
Loss rate: 12.42%
-- Flow 1:
Average throughput: 54.45 Mbit/s
95th percentile per-packet one-way delay: 78.654 ms
Loss rate: 12.42%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

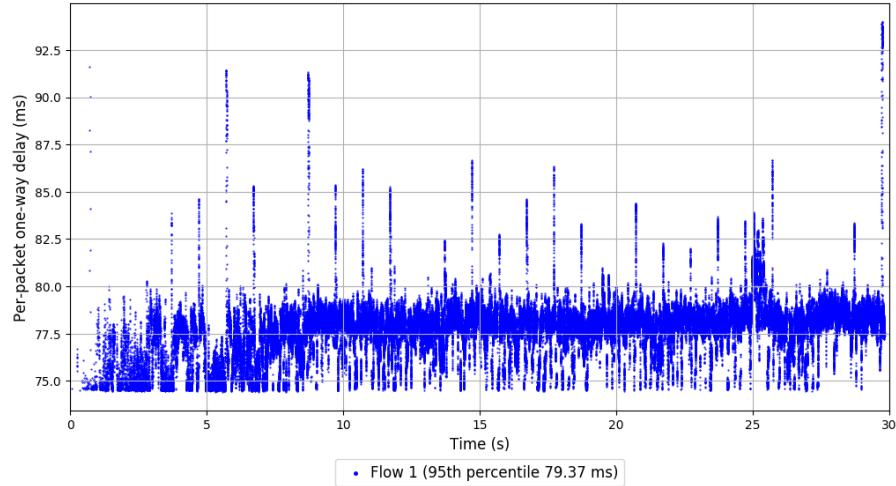
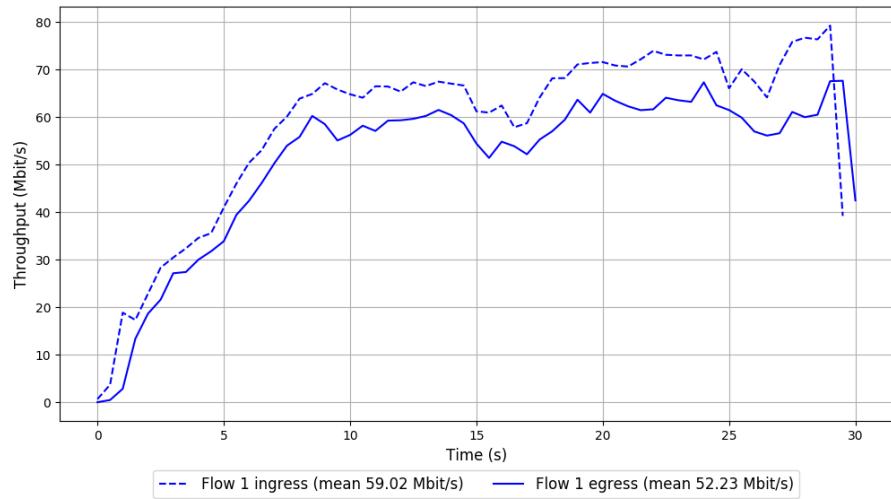


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-17 17:47:34
End at: 2019-07-17 17:48:04
Local clock offset: -6.783 ms
Remote clock offset: -6.925 ms

# Below is generated by plot.py at 2019-07-17 19:51:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.23 Mbit/s
95th percentile per-packet one-way delay: 79.373 ms
Loss rate: 11.50%
-- Flow 1:
Average throughput: 52.23 Mbit/s
95th percentile per-packet one-way delay: 79.373 ms
Loss rate: 11.50%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

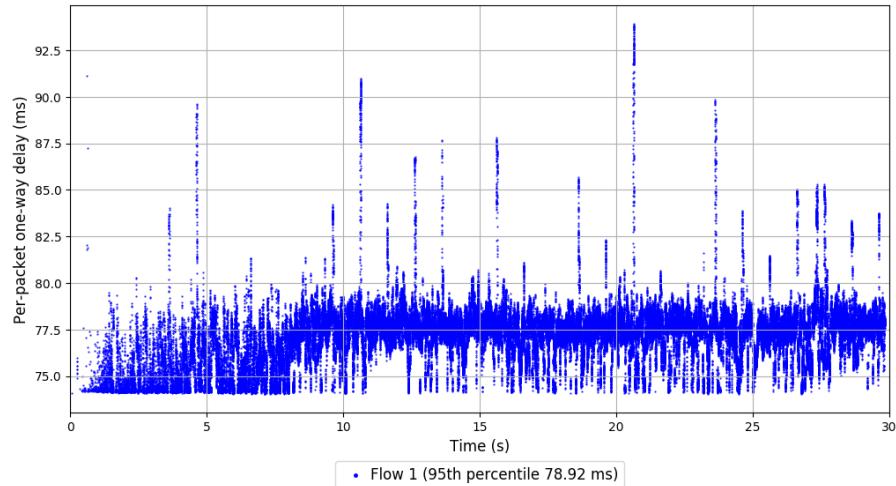
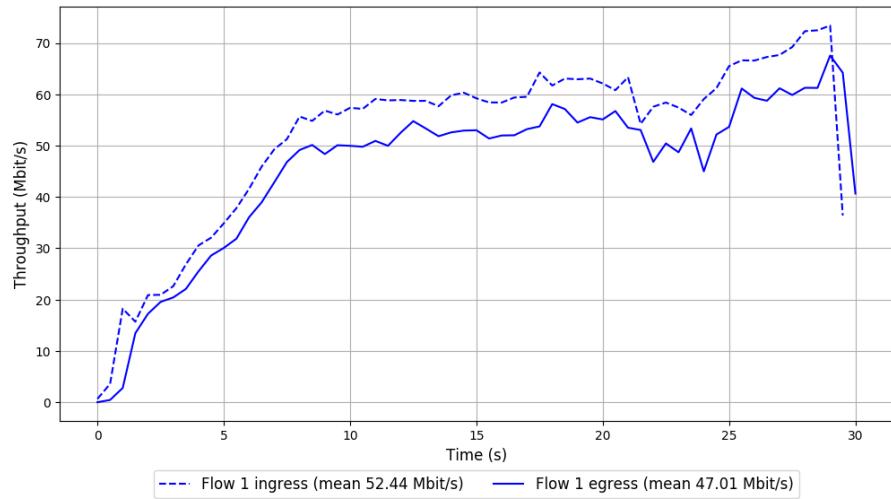


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-17 18:15:30
End at: 2019-07-17 18:16:00
Local clock offset: -6.301 ms
Remote clock offset: -6.467 ms

# Below is generated by plot.py at 2019-07-17 19:51:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 47.01 Mbit/s
95th percentile per-packet one-way delay: 78.919 ms
Loss rate: 10.35%
-- Flow 1:
Average throughput: 47.01 Mbit/s
95th percentile per-packet one-way delay: 78.919 ms
Loss rate: 10.35%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

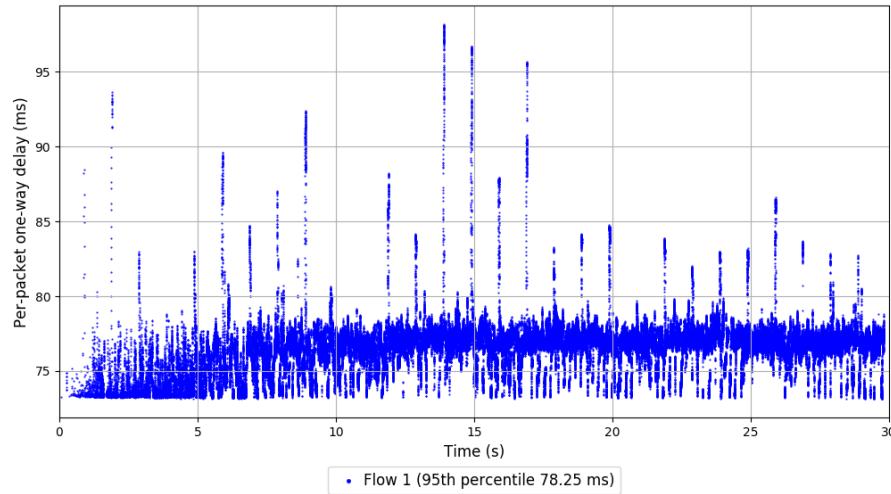
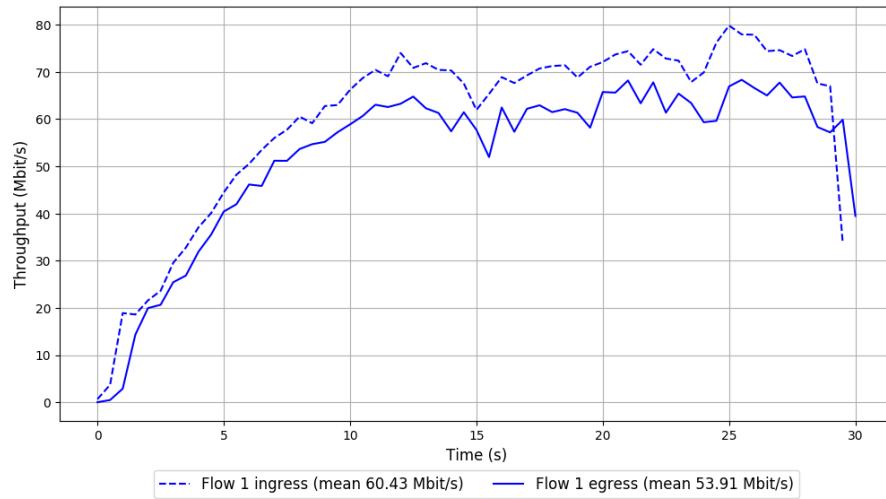


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-17 18:43:21
End at: 2019-07-17 18:43:52
Local clock offset: -6.388 ms
Remote clock offset: -3.819 ms

# Below is generated by plot.py at 2019-07-17 19:52:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.91 Mbit/s
95th percentile per-packet one-way delay: 78.252 ms
Loss rate: 10.78%
-- Flow 1:
Average throughput: 53.91 Mbit/s
95th percentile per-packet one-way delay: 78.252 ms
Loss rate: 10.78%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

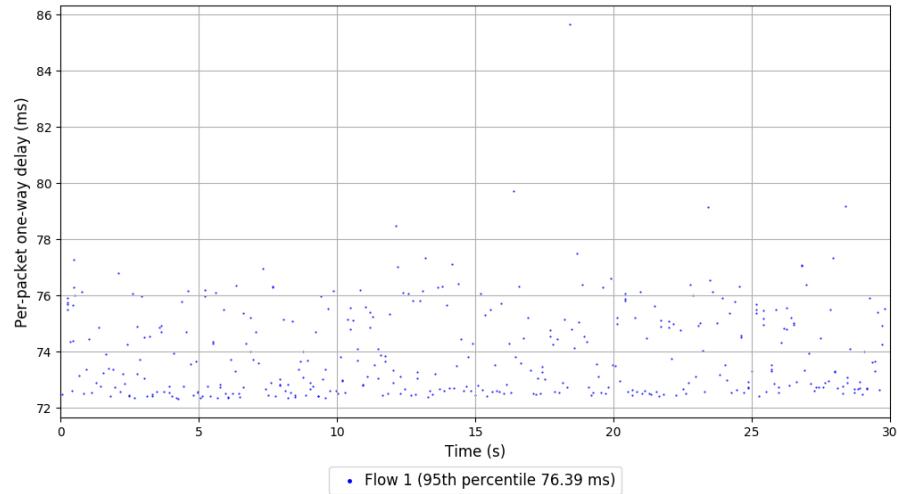
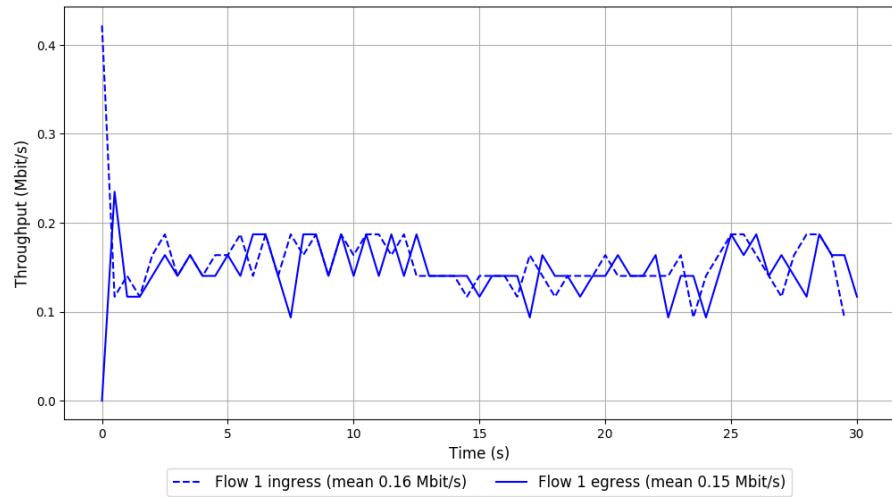


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-17 19:11:30
End at: 2019-07-17 19:12:00
Local clock offset: -6.026 ms
Remote clock offset: -3.215 ms

# Below is generated by plot.py at 2019-07-17 19:52:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 76.392 ms
Loss rate: 4.97%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 76.392 ms
Loss rate: 4.97%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

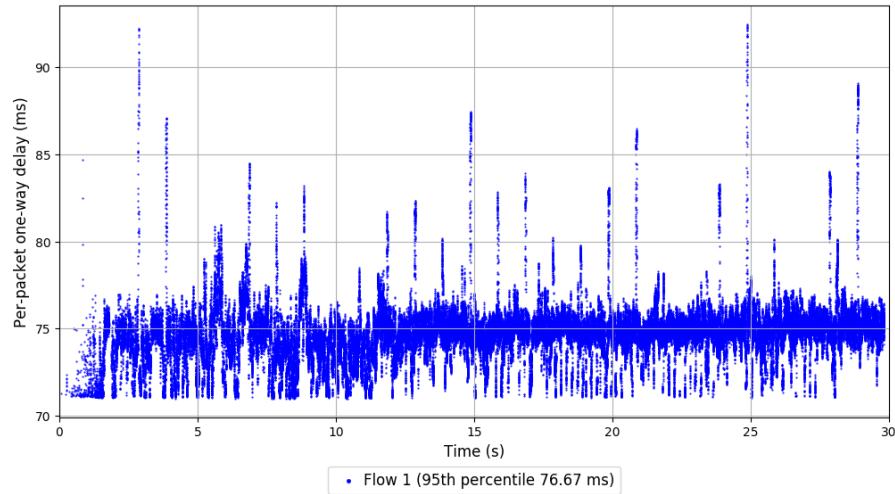
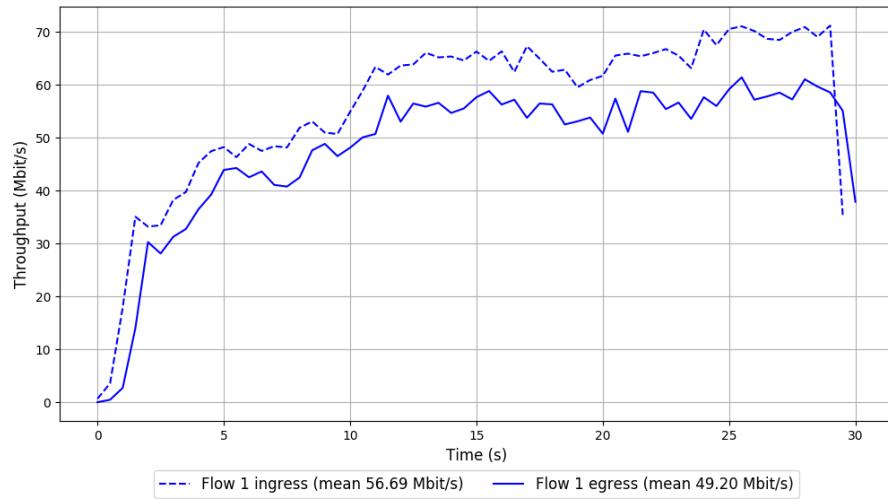


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-17 19:39:30
End at: 2019-07-17 19:40:00
Local clock offset: -6.671 ms
Remote clock offset: -7.358 ms

# Below is generated by plot.py at 2019-07-17 19:52:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 76.666 ms
Loss rate: 13.21%
-- Flow 1:
Average throughput: 49.20 Mbit/s
95th percentile per-packet one-way delay: 76.666 ms
Loss rate: 13.21%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

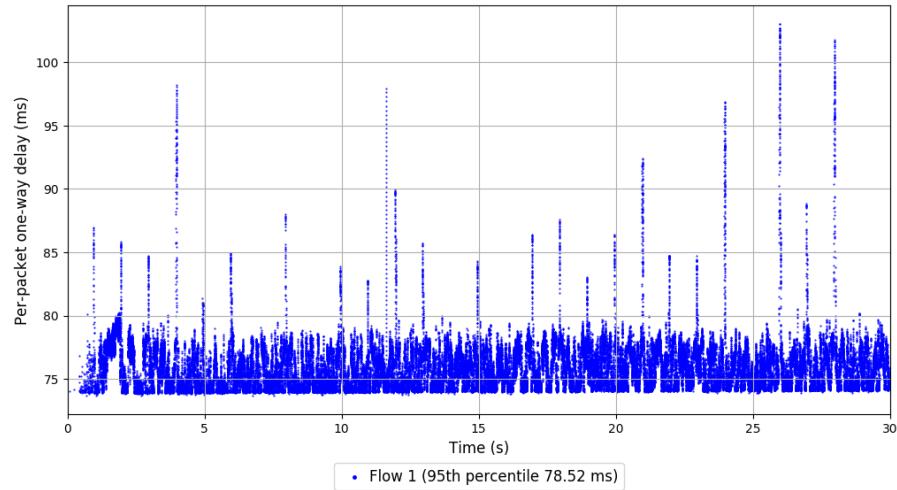
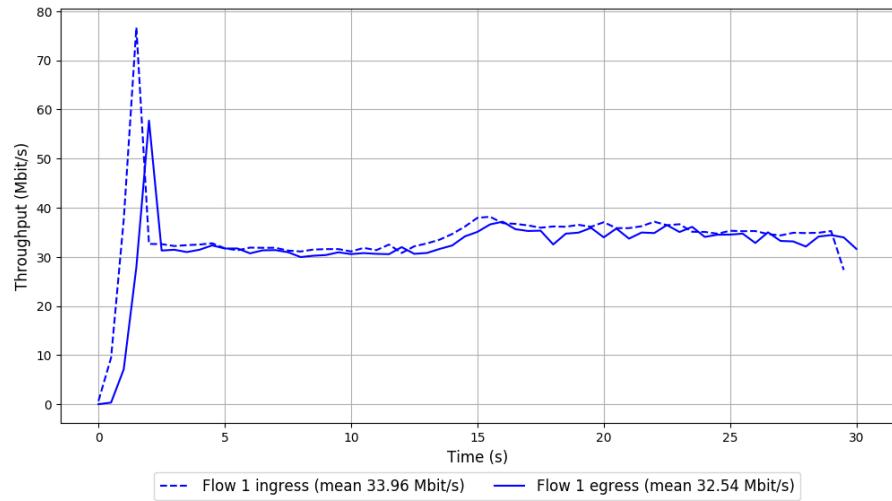


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-07-17 17:32:29
End at: 2019-07-17 17:32:59
Local clock offset: -9.292 ms
Remote clock offset: -6.078 ms

# Below is generated by plot.py at 2019-07-17 19:52:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.54 Mbit/s
95th percentile per-packet one-way delay: 78.524 ms
Loss rate: 4.18%
-- Flow 1:
Average throughput: 32.54 Mbit/s
95th percentile per-packet one-way delay: 78.524 ms
Loss rate: 4.18%
```

Run 1: Report of PCC-Allegro — Data Link

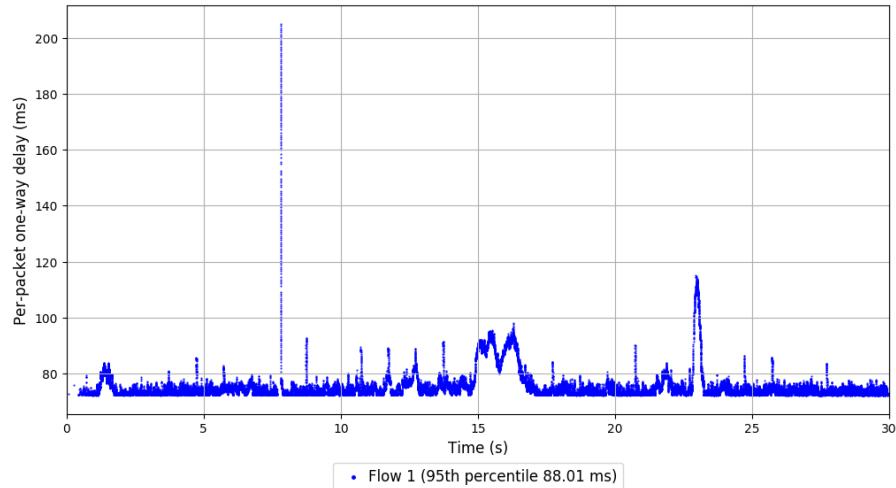
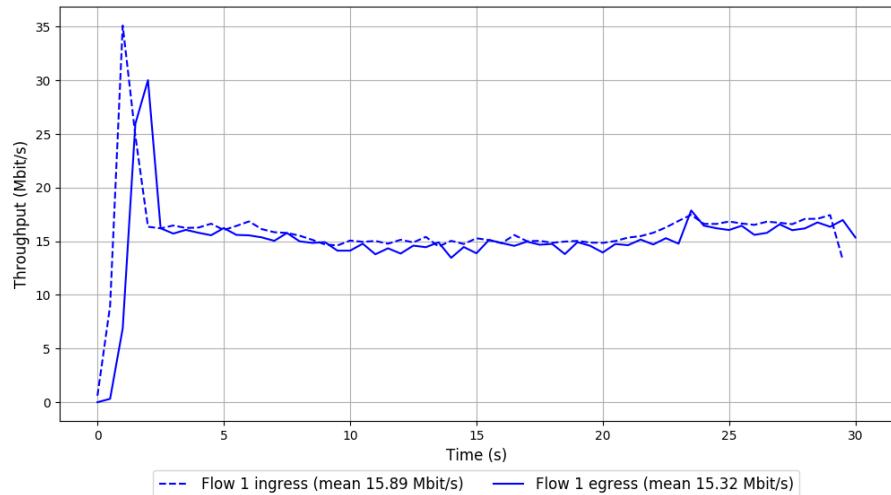


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-07-17 18:00:33
End at: 2019-07-17 18:01:03
Local clock offset: -6.38 ms
Remote clock offset: -9.07 ms

# Below is generated by plot.py at 2019-07-17 19:52:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.32 Mbit/s
95th percentile per-packet one-way delay: 88.014 ms
Loss rate: 3.64%
-- Flow 1:
Average throughput: 15.32 Mbit/s
95th percentile per-packet one-way delay: 88.014 ms
Loss rate: 3.64%
```

Run 2: Report of PCC-Allegro — Data Link

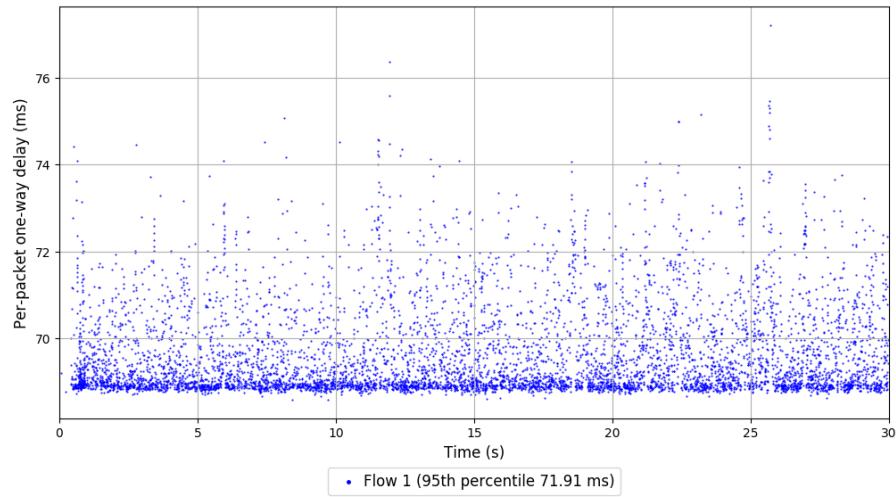
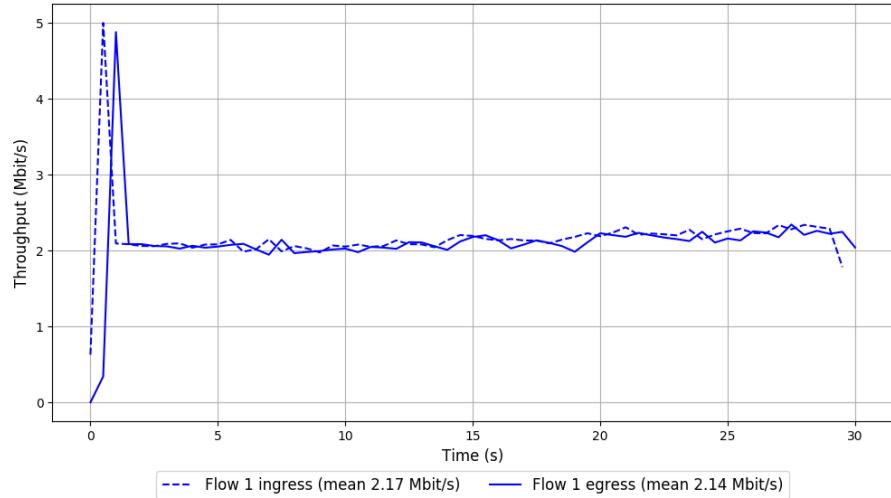


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-07-17 18:28:26
End at: 2019-07-17 18:28:56
Local clock offset: -6.269 ms
Remote clock offset: -10.59 ms

# Below is generated by plot.py at 2019-07-17 19:52:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 71.912 ms
Loss rate: 1.68%
-- Flow 1:
Average throughput: 2.14 Mbit/s
95th percentile per-packet one-way delay: 71.912 ms
Loss rate: 1.68%
```

Run 3: Report of PCC-Allegro — Data Link

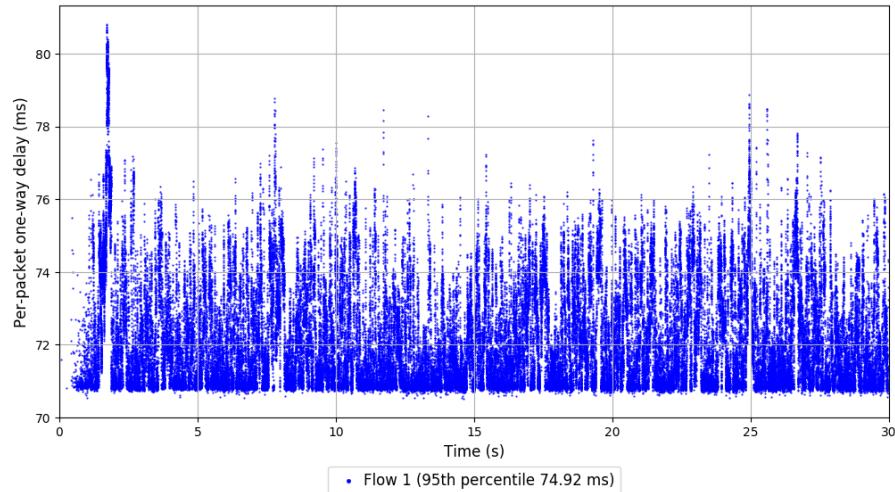
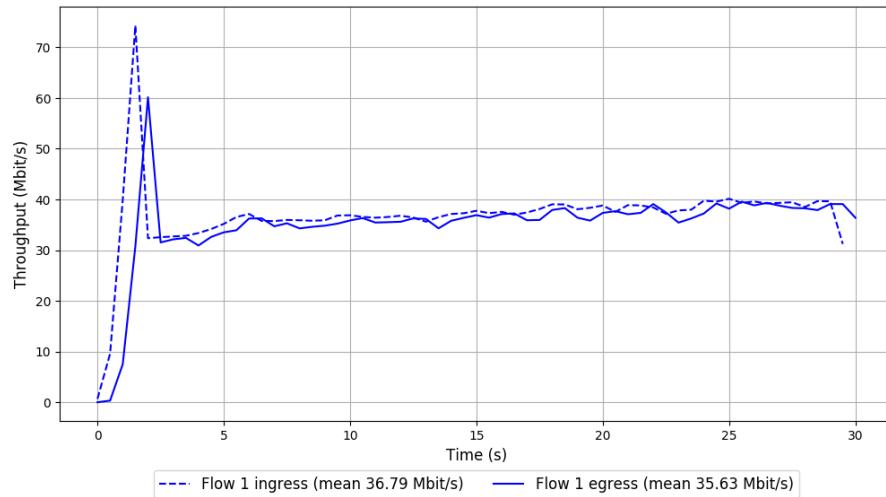


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-07-17 18:56:14
End at: 2019-07-17 18:56:44
Local clock offset: -6.355 ms
Remote clock offset: -5.0 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.63 Mbit/s
95th percentile per-packet one-way delay: 74.915 ms
Loss rate: 3.14%
-- Flow 1:
Average throughput: 35.63 Mbit/s
95th percentile per-packet one-way delay: 74.915 ms
Loss rate: 3.14%
```

Run 4: Report of PCC-Allegro — Data Link

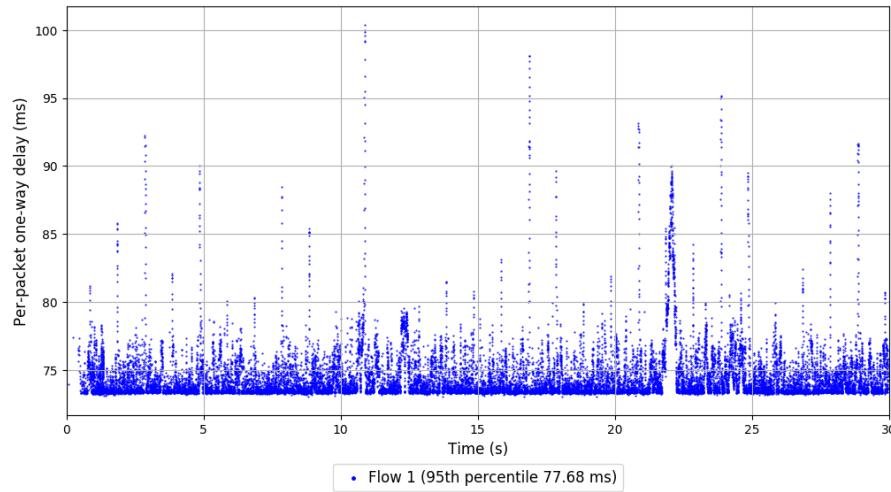
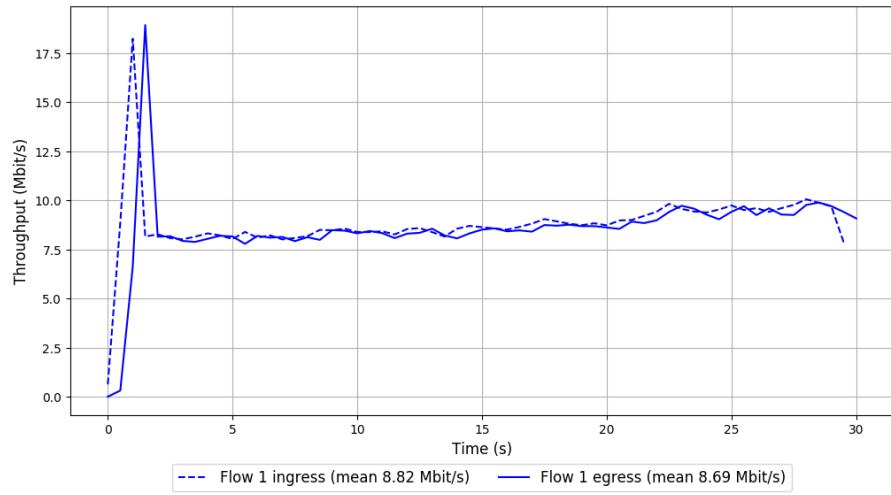


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-07-17 19:24:32
End at: 2019-07-17 19:25:02
Local clock offset: -5.923 ms
Remote clock offset: -4.837 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.69 Mbit/s
95th percentile per-packet one-way delay: 77.679 ms
Loss rate: 1.47%
-- Flow 1:
Average throughput: 8.69 Mbit/s
95th percentile per-packet one-way delay: 77.679 ms
Loss rate: 1.47%
```

Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

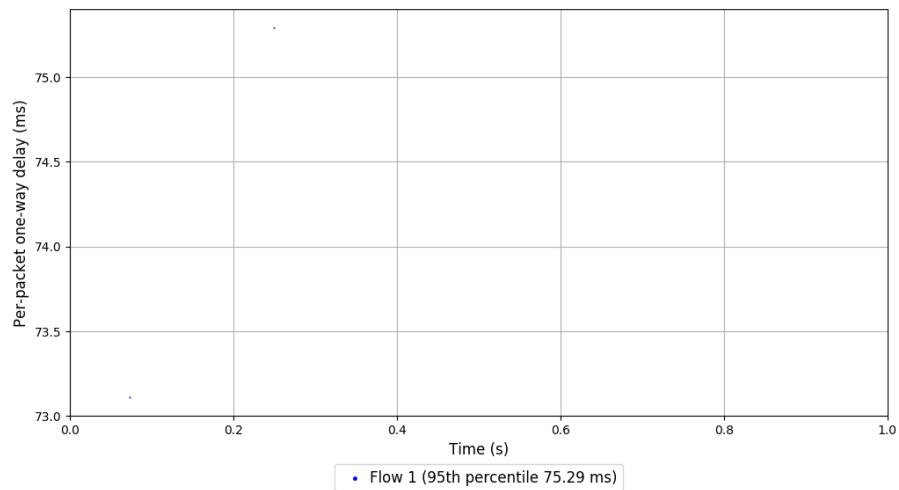
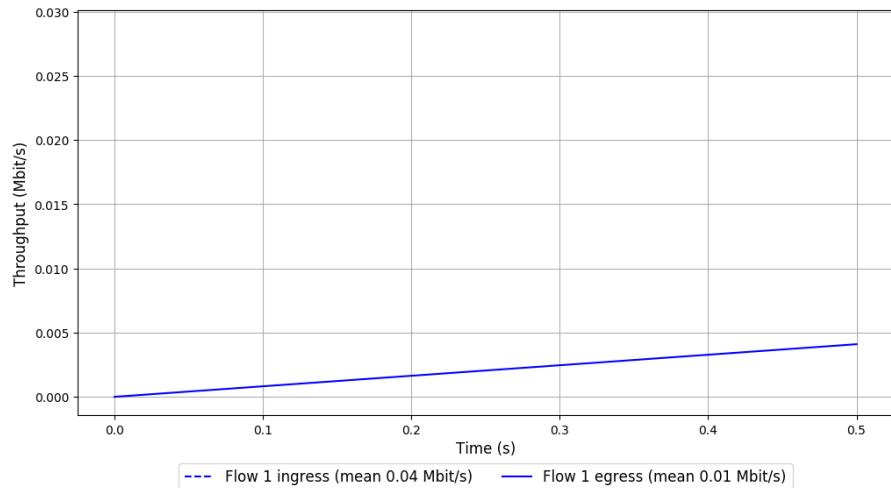
Start at: 2019-07-17 17:37:02

End at: 2019-07-17 17:37:32

Local clock offset: -8.028 ms

Remote clock offset: -8.18 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

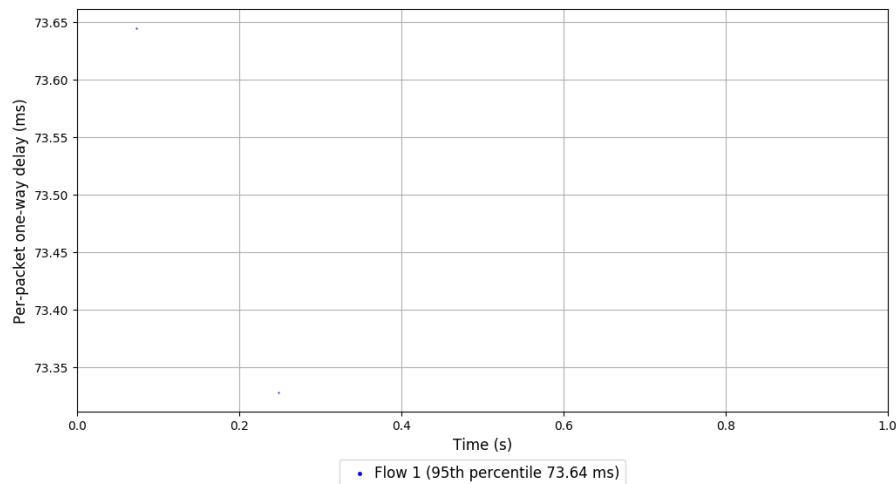
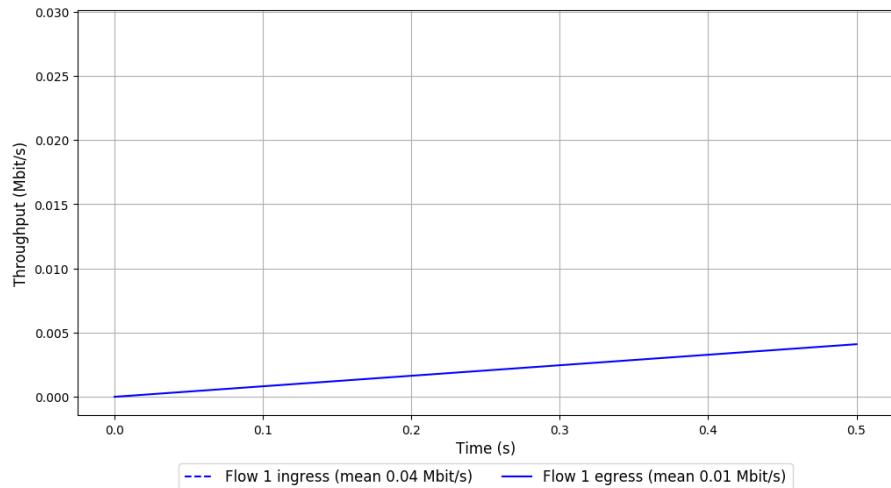
Start at: 2019-07-17 18:05:04

End at: 2019-07-17 18:05:34

Local clock offset: -6.377 ms

Remote clock offset: -8.412 ms

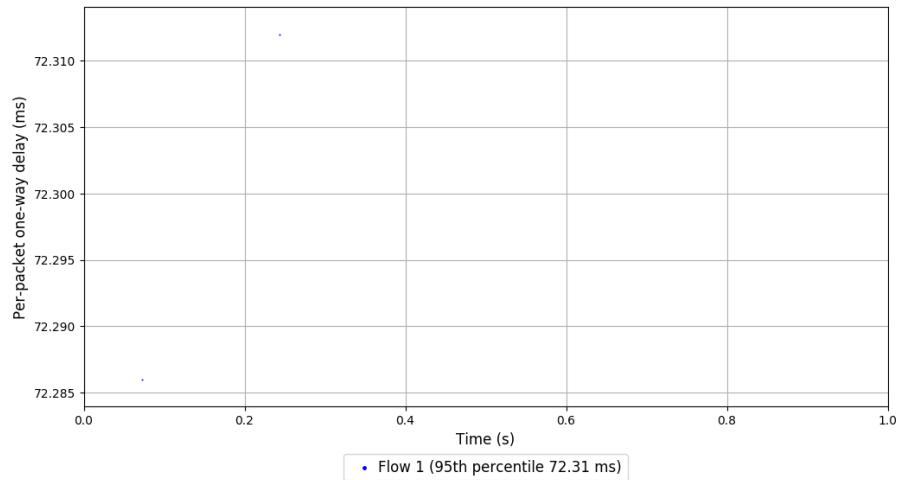
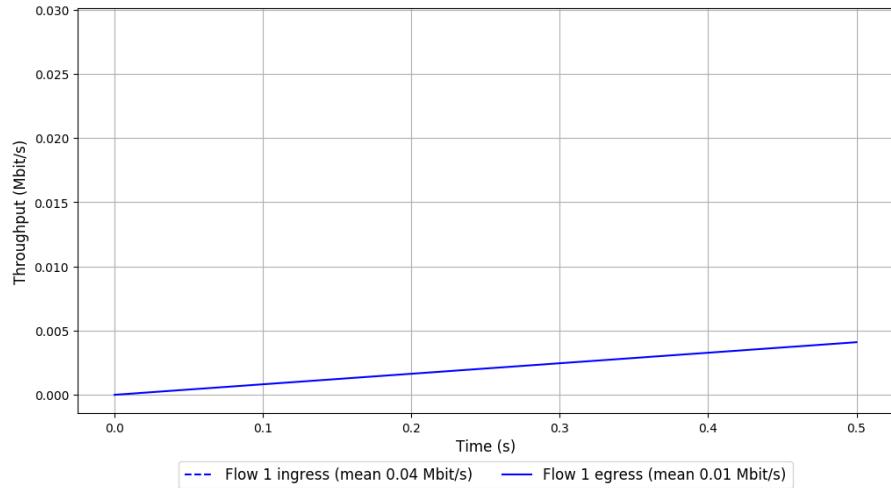
Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-07-17 18:32:57
End at: 2019-07-17 18:33:27
Local clock offset: -6.33 ms
Remote clock offset: -6.259 ms

Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

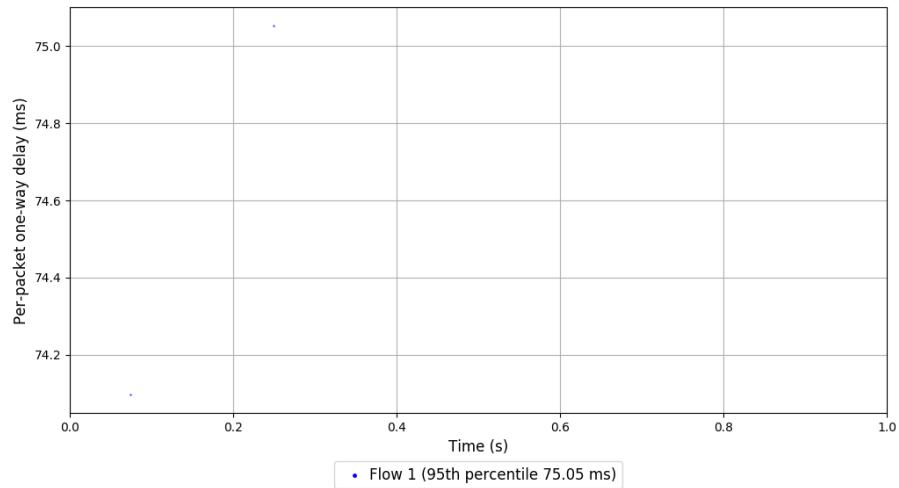
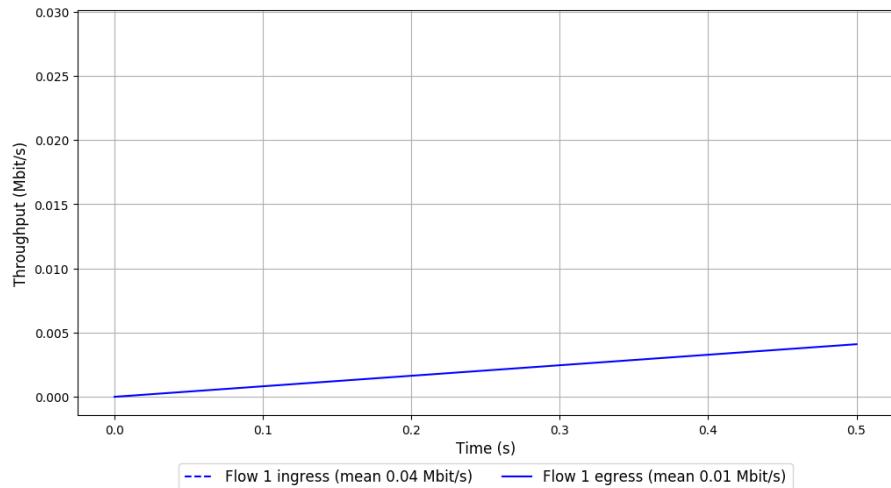
Start at: 2019-07-17 19:00:50

End at: 2019-07-17 19:01:20

Local clock offset: -6.185 ms

Remote clock offset: -1.69 ms

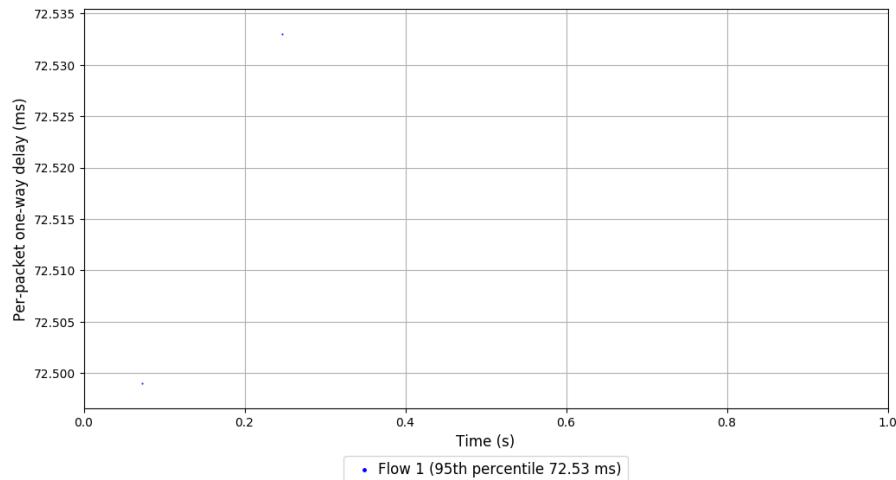
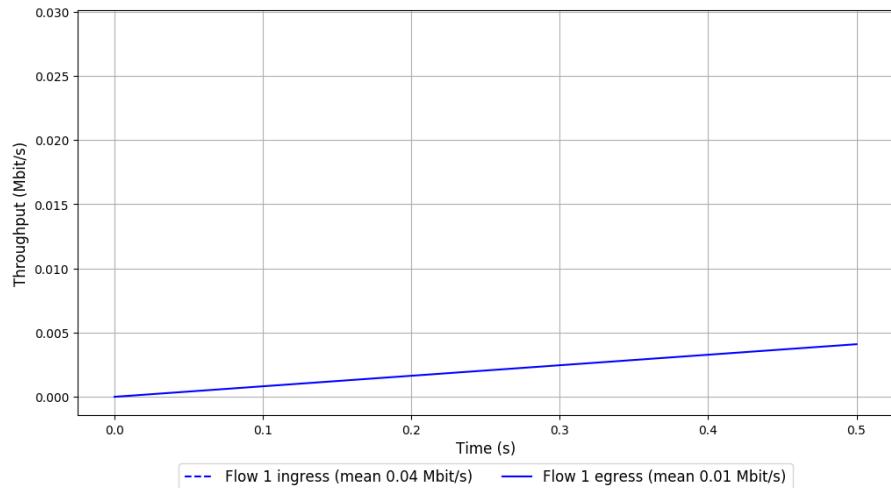
Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-07-17 19:29:06
End at: 2019-07-17 19:29:36
Local clock offset: -6.309 ms
Remote clock offset: -6.404 ms

Run 5: Report of PCC-Expr — Data Link

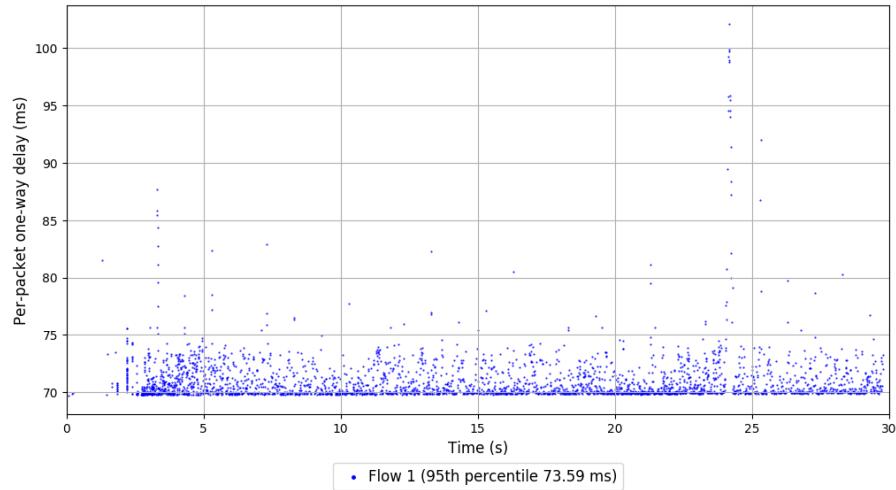
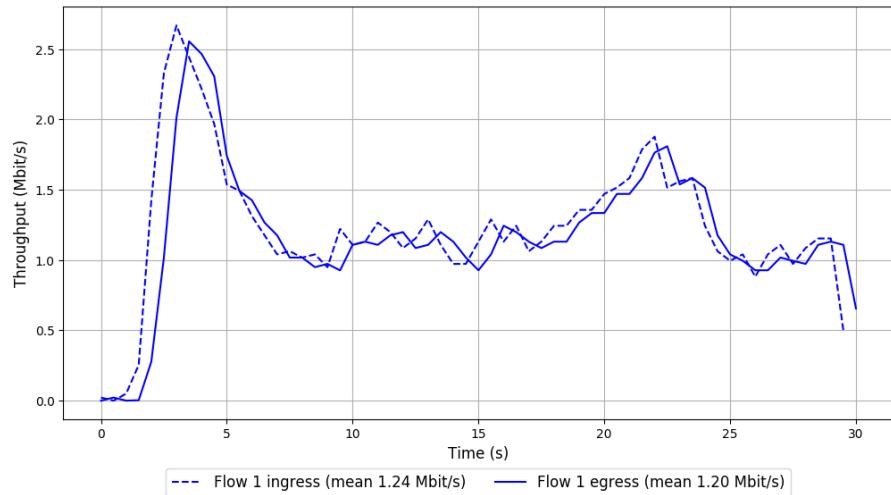


Run 1: Statistics of QUIC Cubic

```
Start at: 2019-07-17 17:38:09
End at: 2019-07-17 17:38:39
Local clock offset: -7.804 ms
Remote clock offset: -10.689 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 73.587 ms
Loss rate: 3.13%
-- Flow 1:
Average throughput: 1.20 Mbit/s
95th percentile per-packet one-way delay: 73.587 ms
Loss rate: 3.13%
```

Run 1: Report of QUIC Cubic — Data Link

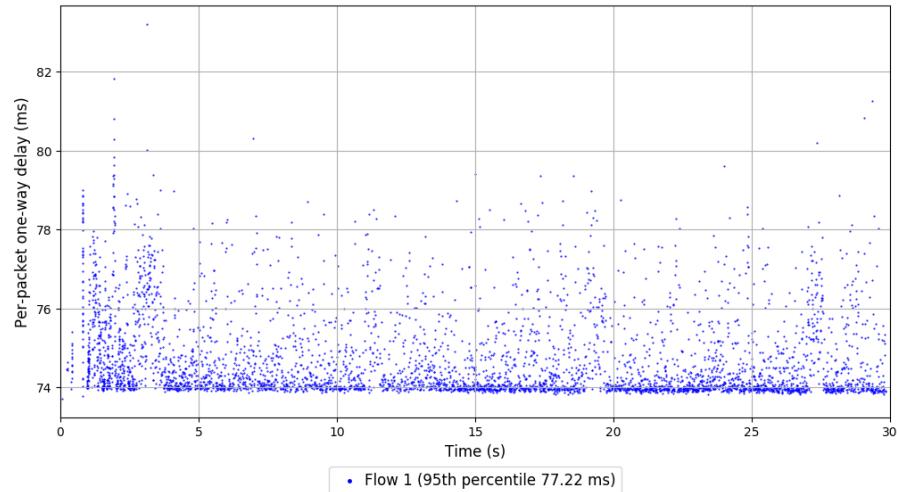
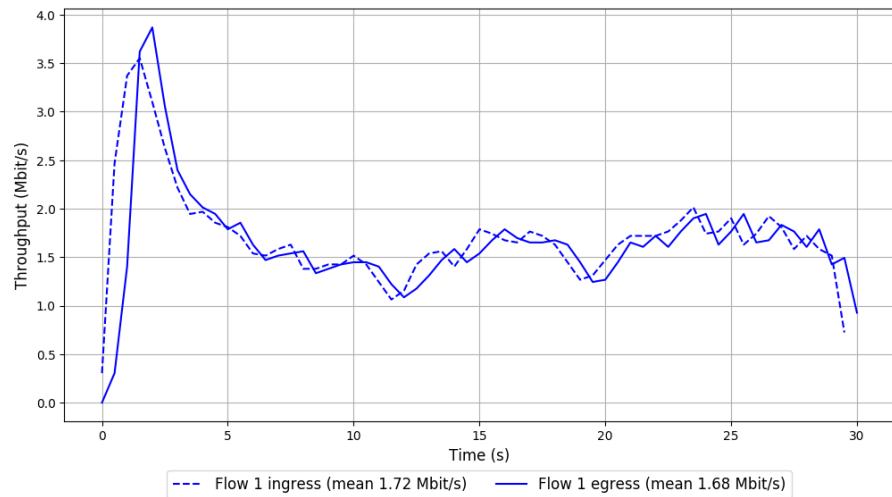


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-07-17 18:06:12
End at: 2019-07-17 18:06:42
Local clock offset: -6.36 ms
Remote clock offset: -5.983 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 77.219 ms
Loss rate: 1.97%
-- Flow 1:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 77.219 ms
Loss rate: 1.97%
```

Run 2: Report of QUIC Cubic — Data Link

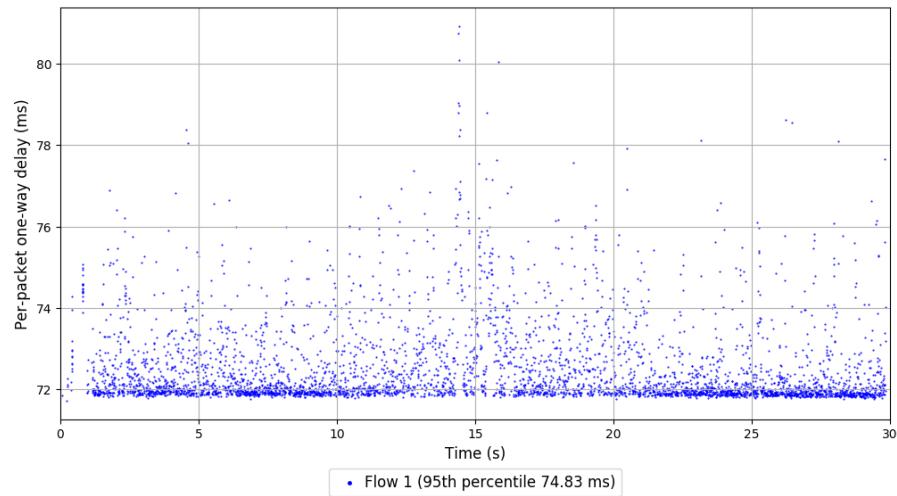
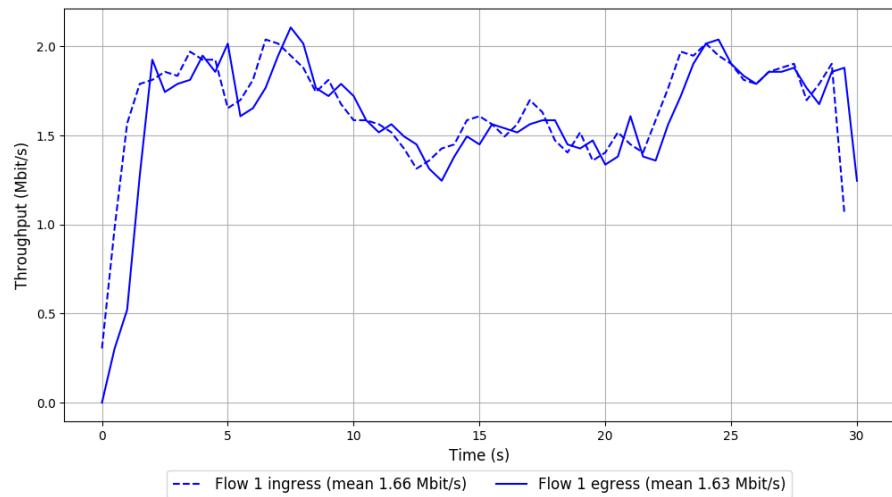


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-07-17 18:34:04
End at: 2019-07-17 18:34:34
Local clock offset: -6.409 ms
Remote clock offset: -6.181 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 74.829 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 74.829 ms
Loss rate: 1.65%
```

Run 3: Report of QUIC Cubic — Data Link

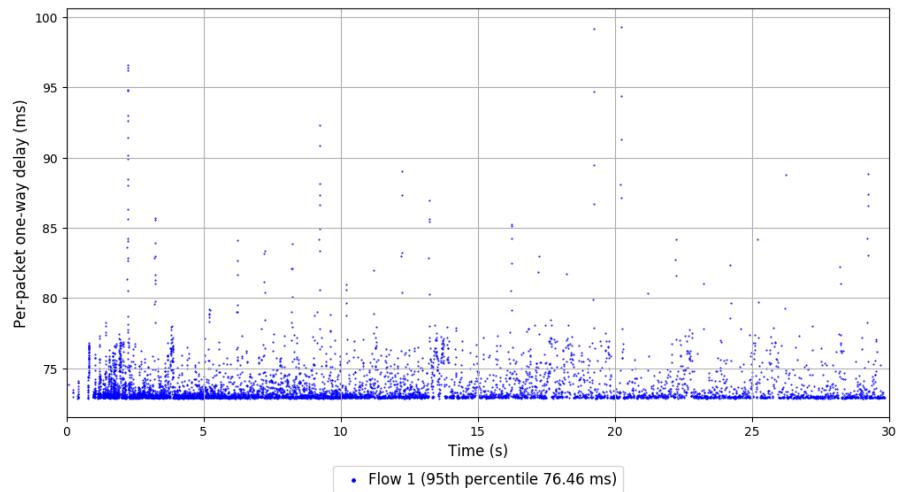
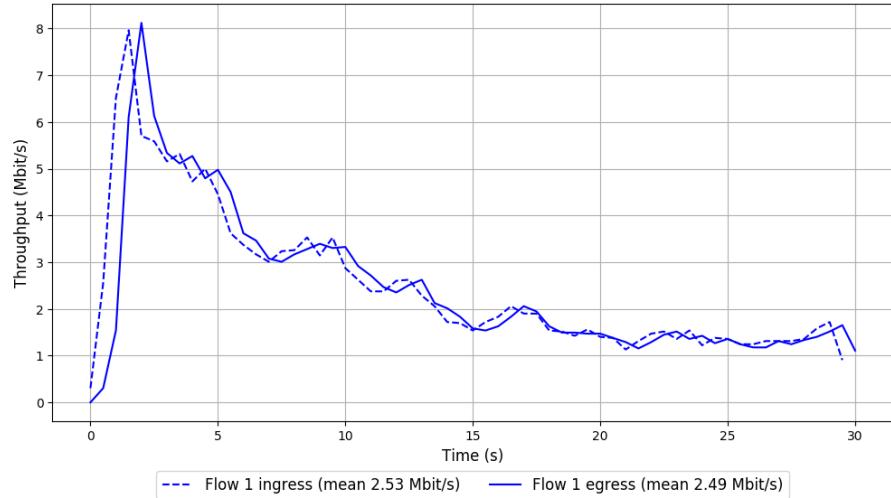


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-07-17 19:01:58
End at: 2019-07-17 19:02:28
Local clock offset: -6.21 ms
Remote clock offset: -2.609 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 76.462 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 2.49 Mbit/s
95th percentile per-packet one-way delay: 76.462 ms
Loss rate: 1.49%
```

Run 4: Report of QUIC Cubic — Data Link

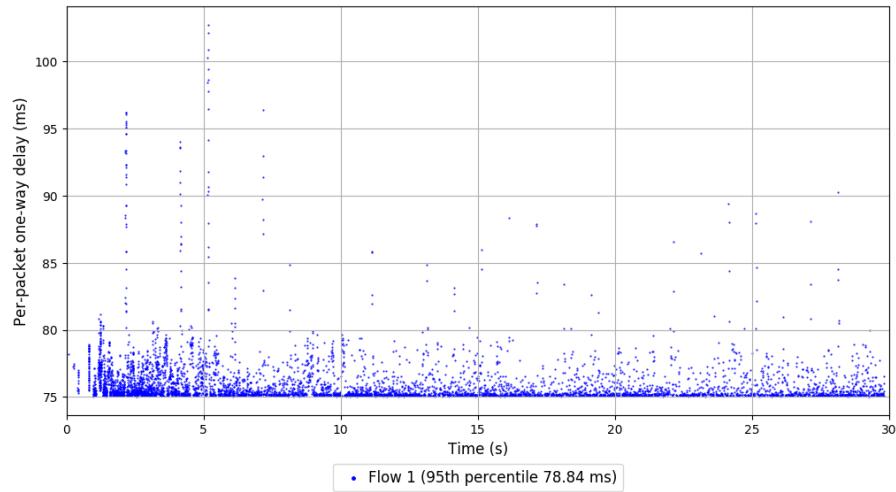
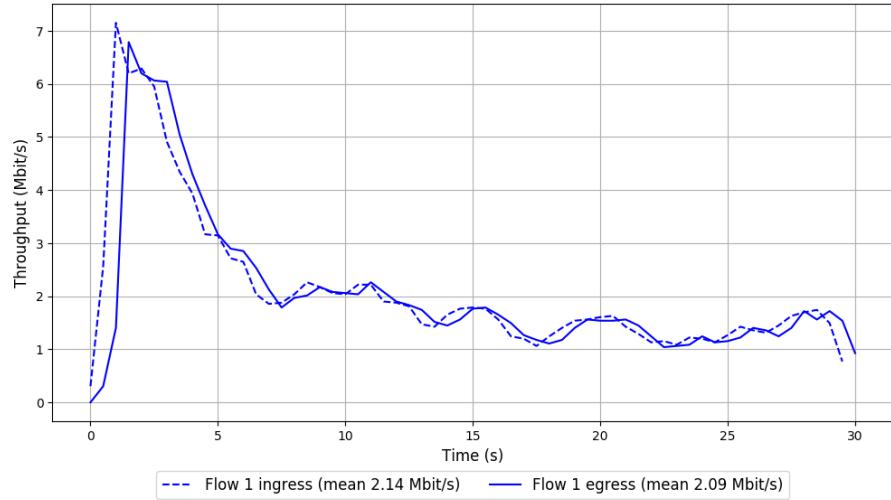


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-07-17 19:30:13
End at: 2019-07-17 19:30:43
Local clock offset: -6.326 ms
Remote clock offset: -4.495 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 78.838 ms
Loss rate: 2.31%
-- Flow 1:
Average throughput: 2.09 Mbit/s
95th percentile per-packet one-way delay: 78.838 ms
Loss rate: 2.31%
```

Run 5: Report of QUIC Cubic — Data Link

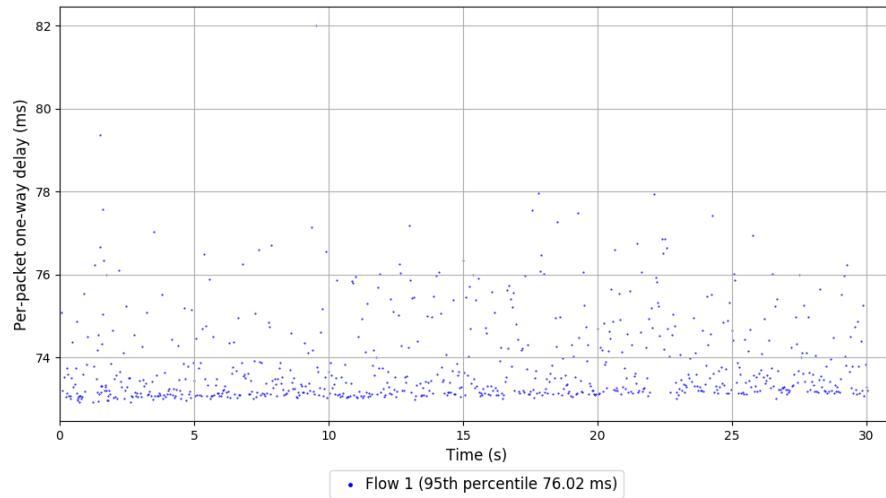
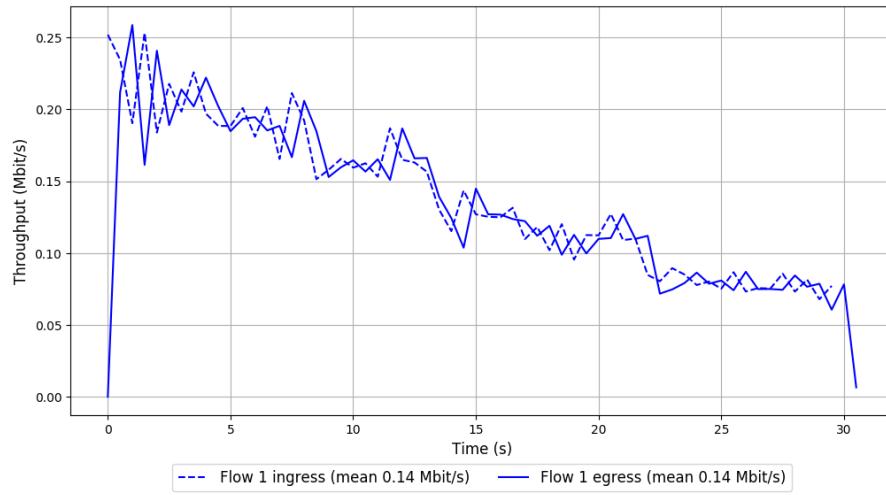


Run 1: Statistics of SCReAM

```
Start at: 2019-07-17 17:34:46
End at: 2019-07-17 17:35:16
Local clock offset: -8.565 ms
Remote clock offset: -6.992 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 76.023 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 76.023 ms
Loss rate: 1.77%
```

Run 1: Report of SCReAM — Data Link

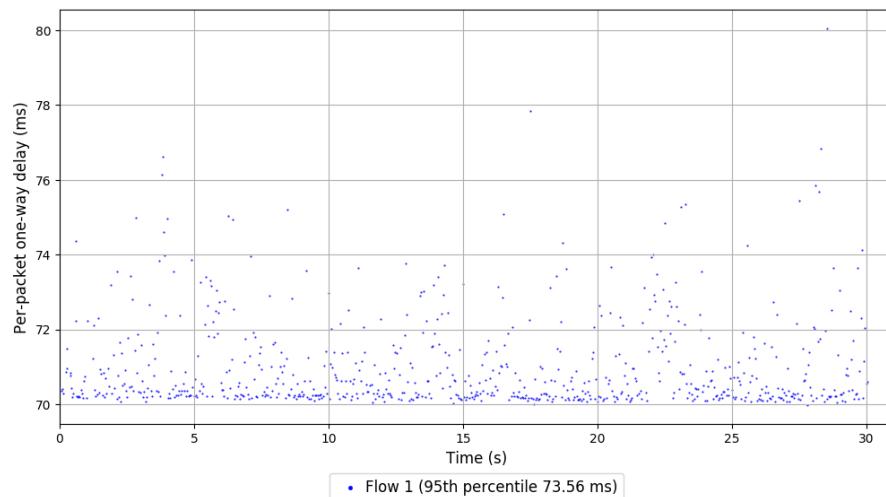
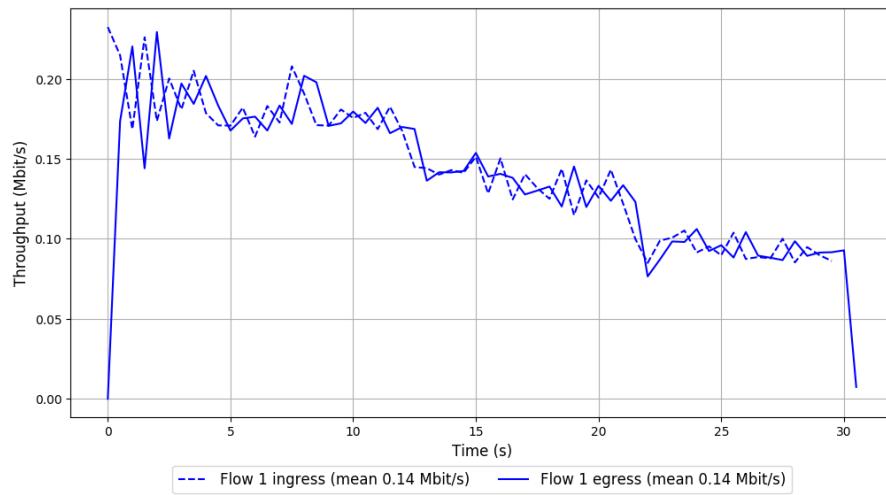


Run 2: Statistics of SCReAM

```
Start at: 2019-07-17 18:02:49
End at: 2019-07-17 18:03:19
Local clock offset: -6.352 ms
Remote clock offset: -10.105 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 73.556 ms
Loss rate: 1.55%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 73.556 ms
Loss rate: 1.55%
```

Run 2: Report of SCReAM — Data Link

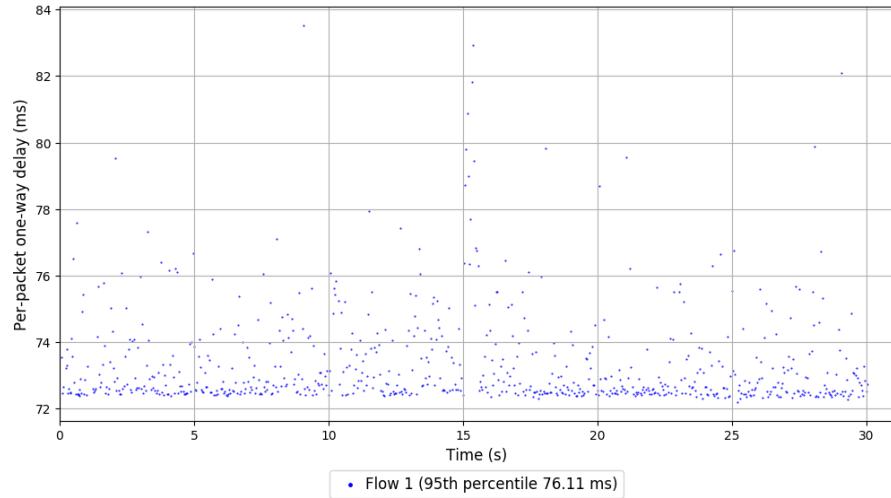
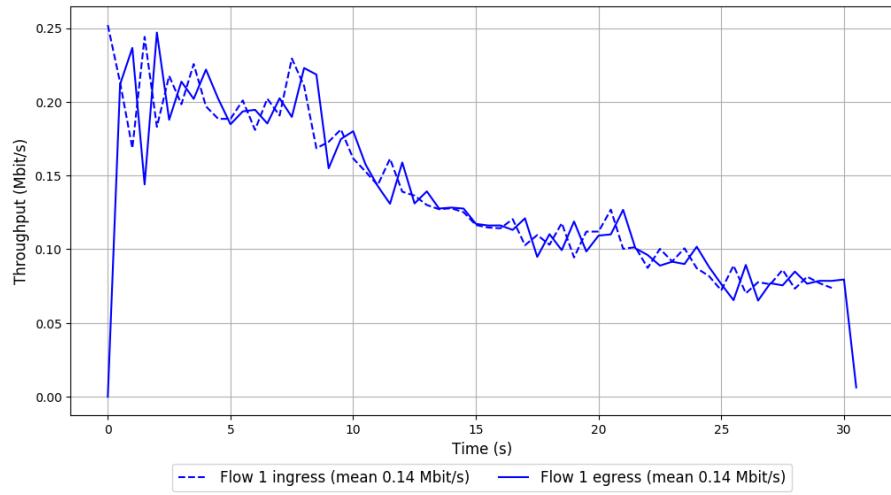


Run 3: Statistics of SCReAM

```
Start at: 2019-07-17 18:30:42
End at: 2019-07-17 18:31:12
Local clock offset: -6.298 ms
Remote clock offset: -6.145 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 76.113 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 76.113 ms
Loss rate: 1.40%
```

Run 3: Report of SCReAM — Data Link

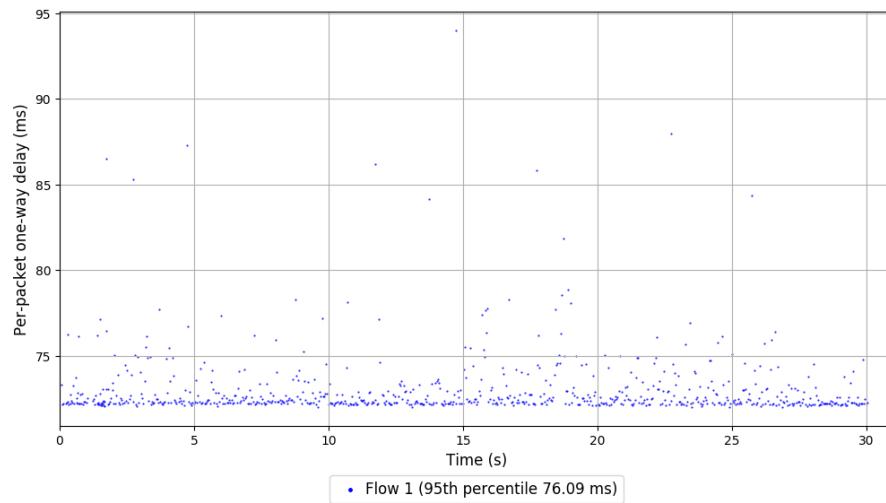
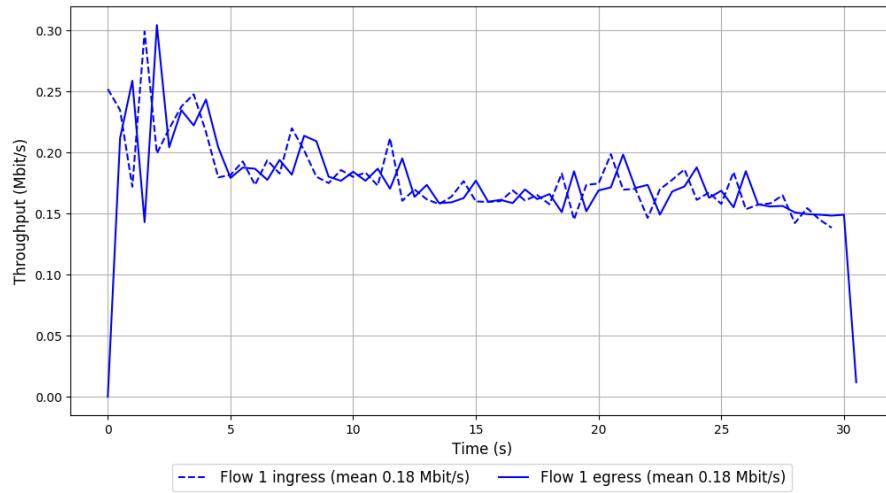


Run 4: Statistics of SCReAM

```
Start at: 2019-07-17 18:58:34
End at: 2019-07-17 18:59:04
Local clock offset: -6.238 ms
Remote clock offset: -2.803 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 76.086 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 76.086 ms
Loss rate: 0.44%
```

Run 4: Report of SCReAM — Data Link

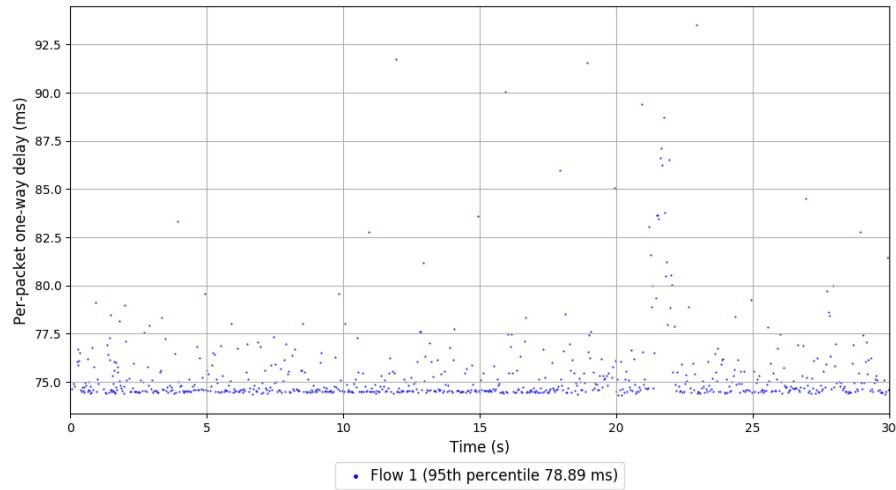
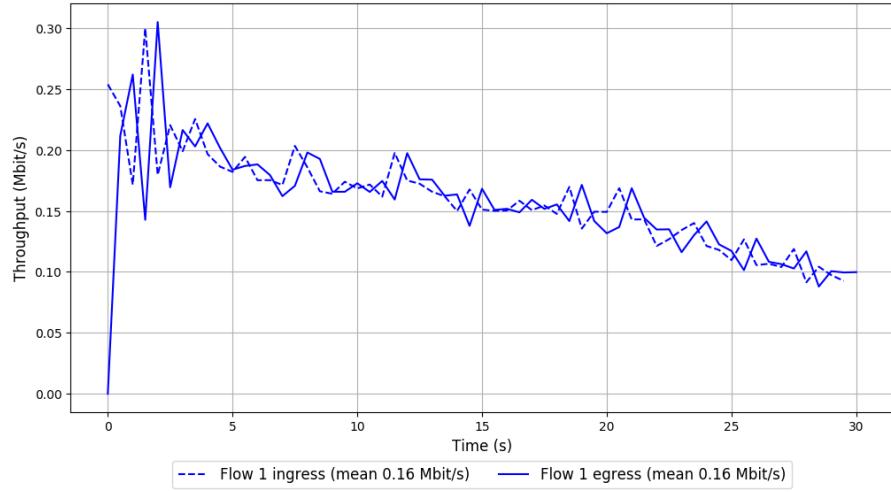


Run 5: Statistics of SCReAM

```
Start at: 2019-07-17 19:26:50
End at: 2019-07-17 19:27:20
Local clock offset: -6.117 ms
Remote clock offset: -4.277 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 78.888 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 78.888 ms
Loss rate: 1.15%
```

Run 5: Report of SCReAM — Data Link

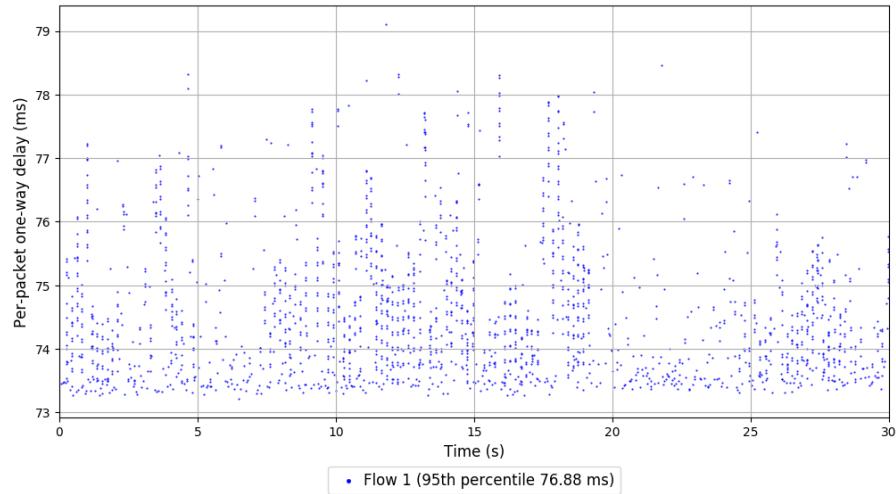
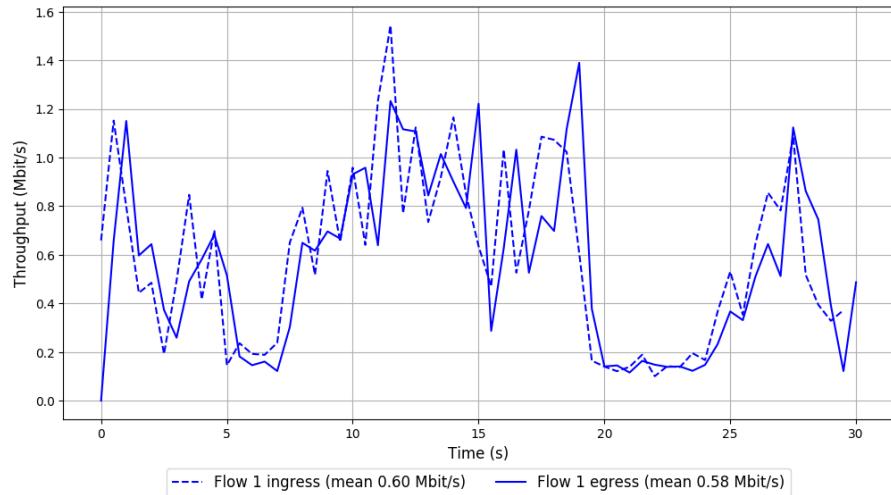


Run 1: Statistics of Sprout

```
Start at: 2019-07-17 17:40:29
End at: 2019-07-17 17:40:59
Local clock offset: -7.421 ms
Remote clock offset: -8.412 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 76.878 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 0.58 Mbit/s
95th percentile per-packet one-way delay: 76.878 ms
Loss rate: 2.79%
```

Run 1: Report of Sprout — Data Link

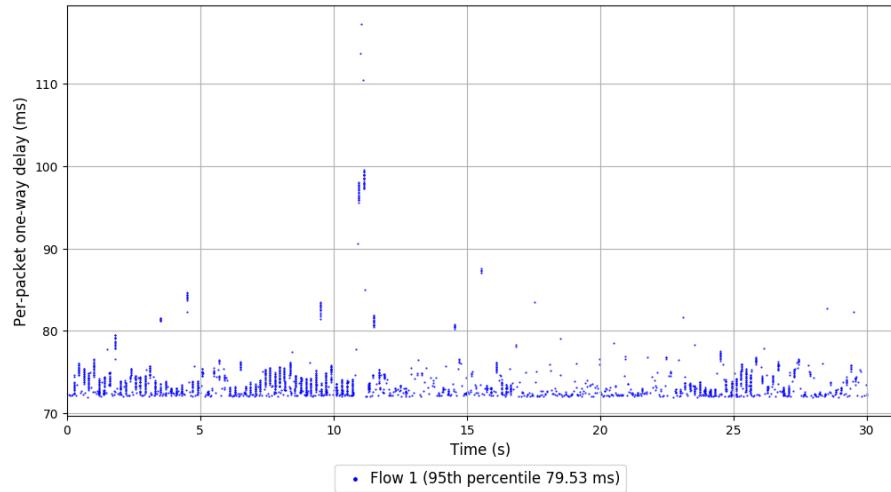
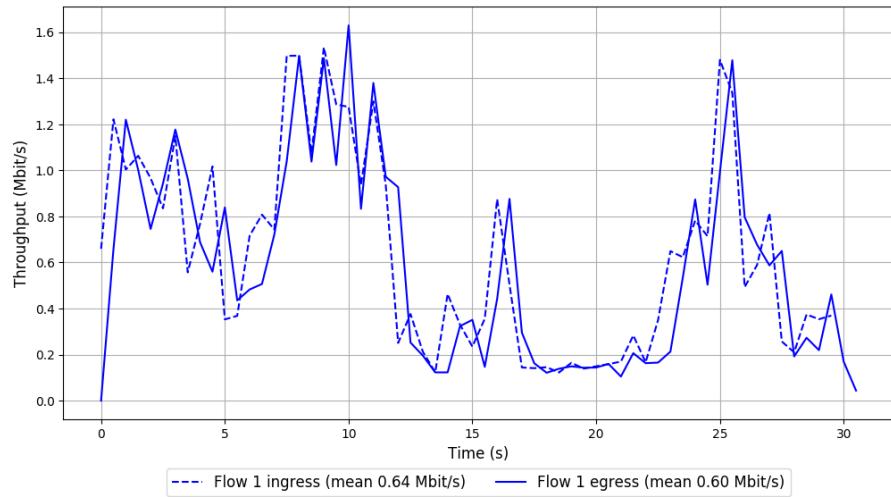


Run 2: Statistics of Sprout

```
Start at: 2019-07-17 18:08:31
End at: 2019-07-17 18:09:01
Local clock offset: -6.332 ms
Remote clock offset: -7.615 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 79.534 ms
Loss rate: 5.85%
-- Flow 1:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 79.534 ms
Loss rate: 5.85%
```

Run 2: Report of Sprout — Data Link

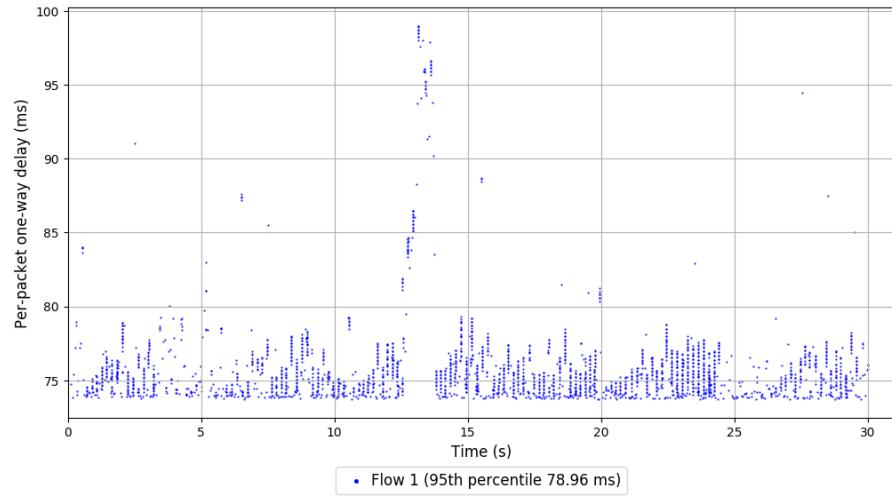
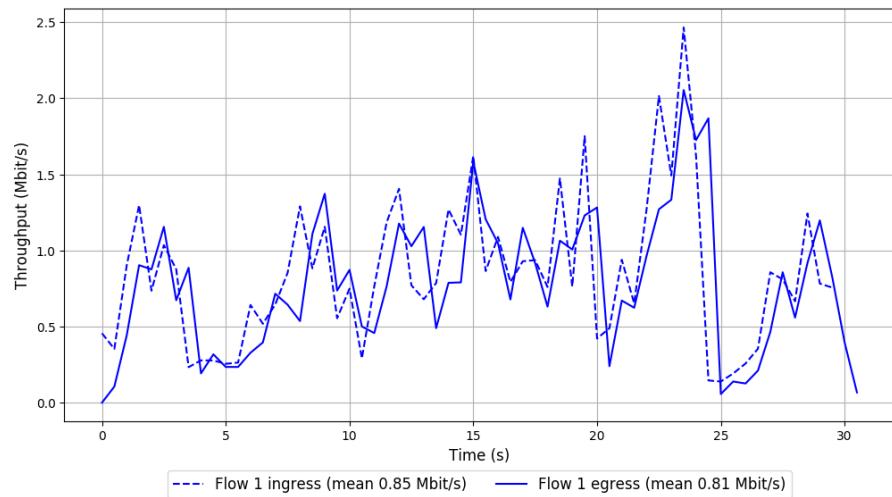


Run 3: Statistics of Sprout

```
Start at: 2019-07-17 18:36:23
End at: 2019-07-17 18:36:53
Local clock offset: -6.346 ms
Remote clock offset: -3.776 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 78.962 ms
Loss rate: 5.51%
-- Flow 1:
Average throughput: 0.81 Mbit/s
95th percentile per-packet one-way delay: 78.962 ms
Loss rate: 5.51%
```

Run 3: Report of Sprout — Data Link

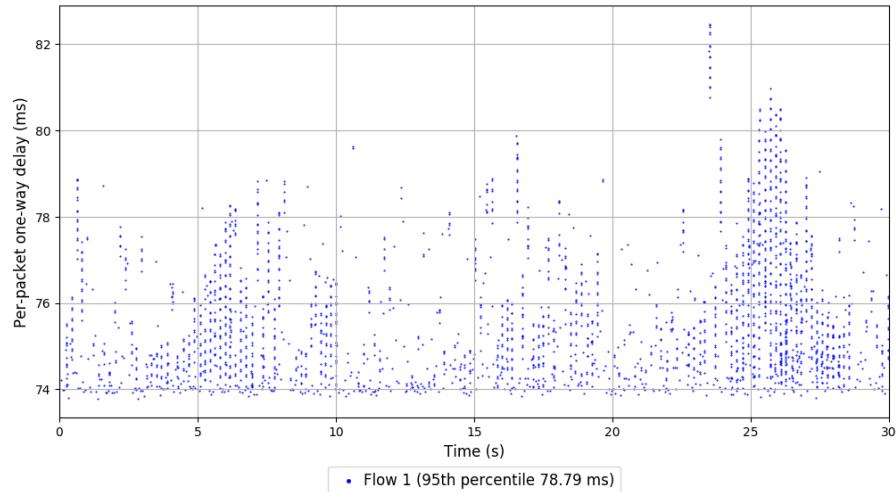
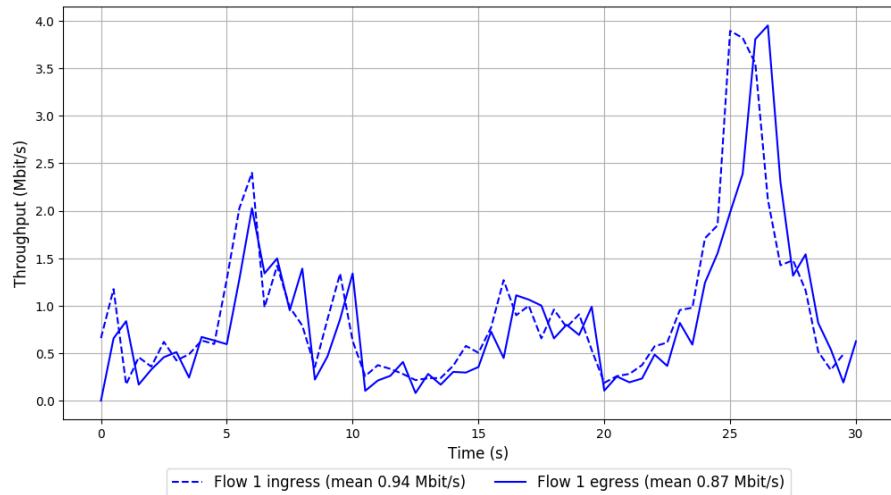


Run 4: Statistics of Sprout

```
Start at: 2019-07-17 19:04:26
End at: 2019-07-17 19:04:56
Local clock offset: -6.202 ms
Remote clock offset: -1.026 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 78.794 ms
Loss rate: 8.20%
-- Flow 1:
Average throughput: 0.87 Mbit/s
95th percentile per-packet one-way delay: 78.794 ms
Loss rate: 8.20%
```

Run 4: Report of Sprout — Data Link

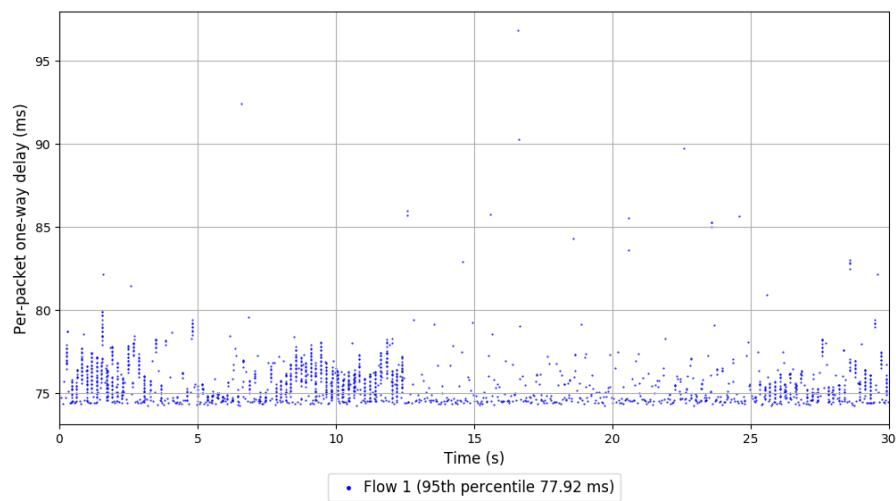
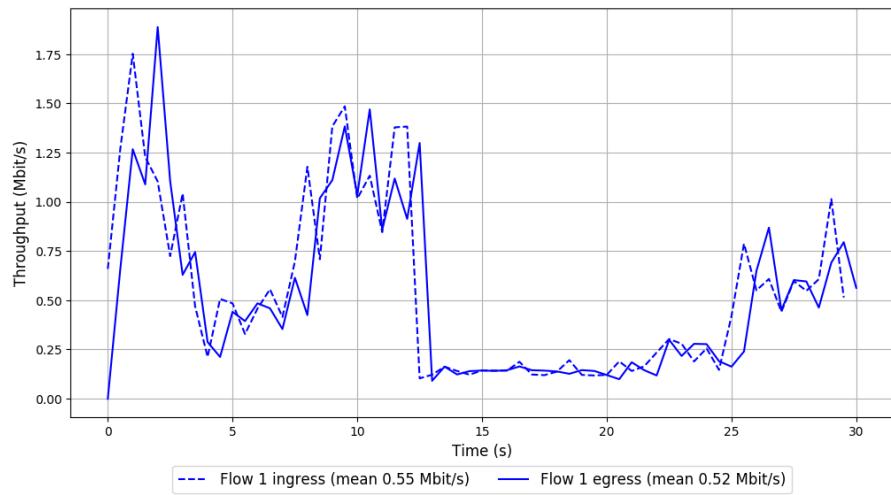


Run 5: Statistics of Sprout

```
Start at: 2019-07-17 19:32:32
End at: 2019-07-17 19:33:02
Local clock offset: -6.444 ms
Remote clock offset: -4.508 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 77.921 ms
Loss rate: 4.28%
-- Flow 1:
Average throughput: 0.52 Mbit/s
95th percentile per-packet one-way delay: 77.921 ms
Loss rate: 4.28%
```

Run 5: Report of Sprout — Data Link

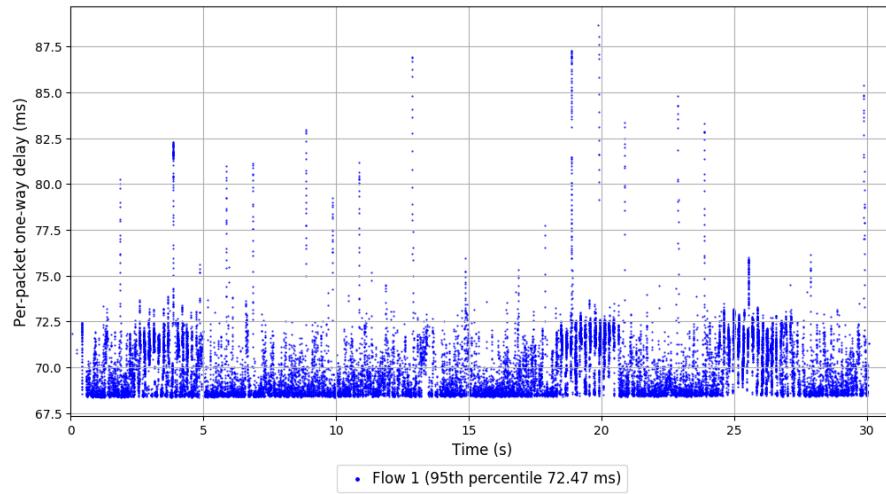
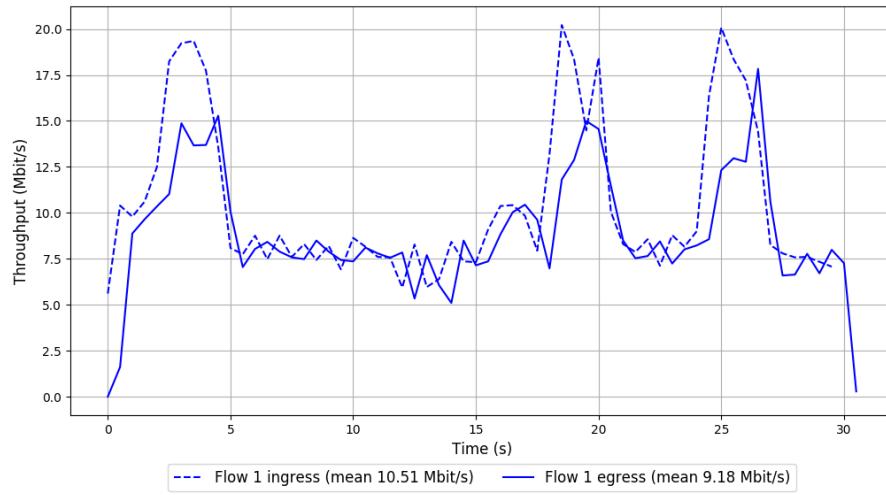


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-07-17 17:45:13
End at: 2019-07-17 17:45:43
Local clock offset: -6.965 ms
Remote clock offset: -13.028 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.18 Mbit/s
95th percentile per-packet one-way delay: 72.473 ms
Loss rate: 12.60%
-- Flow 1:
Average throughput: 9.18 Mbit/s
95th percentile per-packet one-way delay: 72.473 ms
Loss rate: 12.60%
```

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

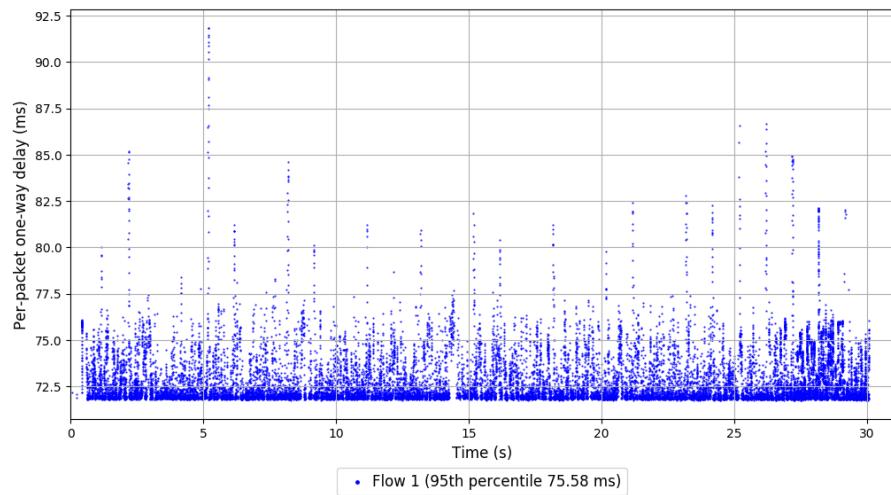
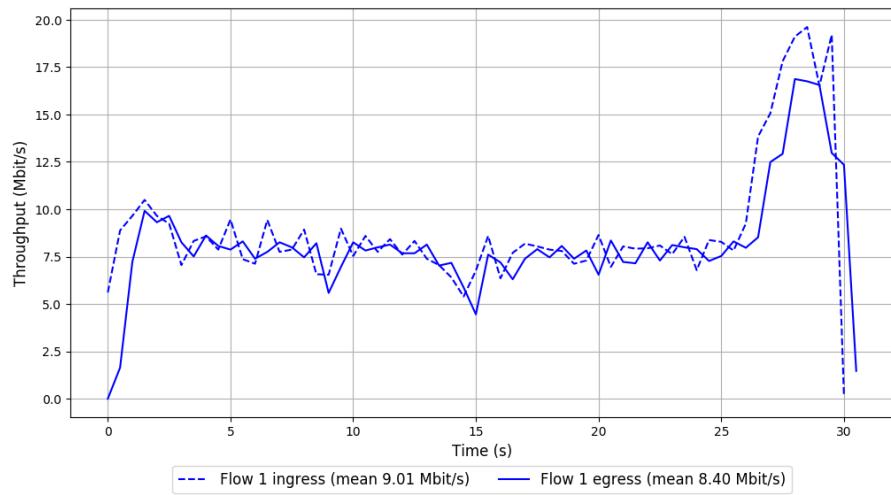


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-07-17 18:13:08
End at: 2019-07-17 18:13:38
Local clock offset: -6.306 ms
Remote clock offset: -7.876 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.40 Mbit/s
95th percentile per-packet one-way delay: 75.576 ms
Loss rate: 6.85%
-- Flow 1:
Average throughput: 8.40 Mbit/s
95th percentile per-packet one-way delay: 75.576 ms
Loss rate: 6.85%
```

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

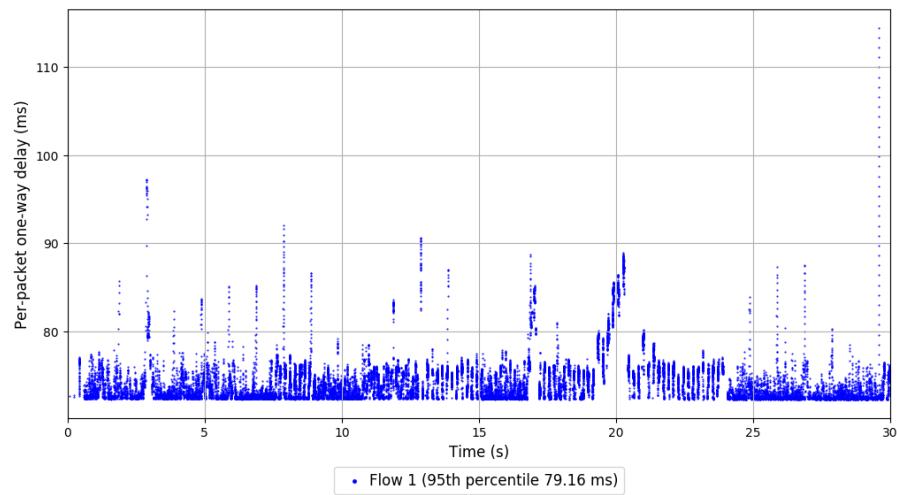
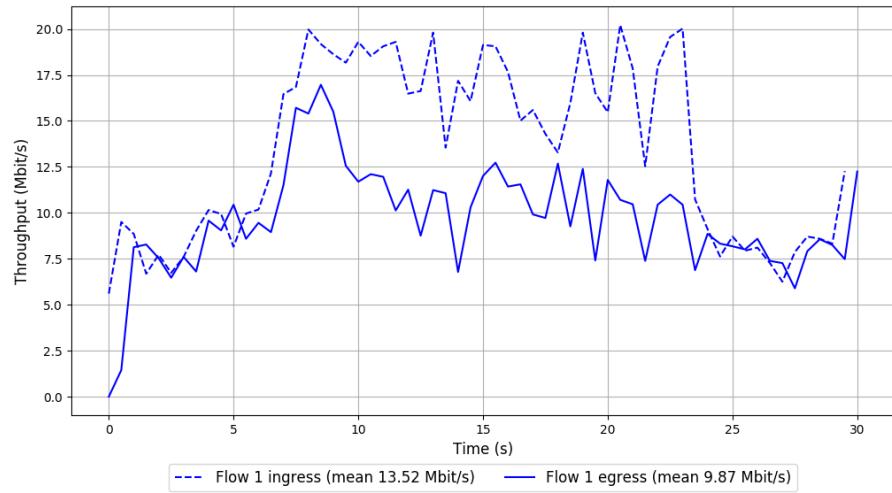


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-07-17 18:41:01
End at: 2019-07-17 18:41:31
Local clock offset: -6.378 ms
Remote clock offset: -5.027 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.87 Mbit/s
95th percentile per-packet one-way delay: 79.155 ms
Loss rate: 27.00%
-- Flow 1:
Average throughput: 9.87 Mbit/s
95th percentile per-packet one-way delay: 79.155 ms
Loss rate: 27.00%
```

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

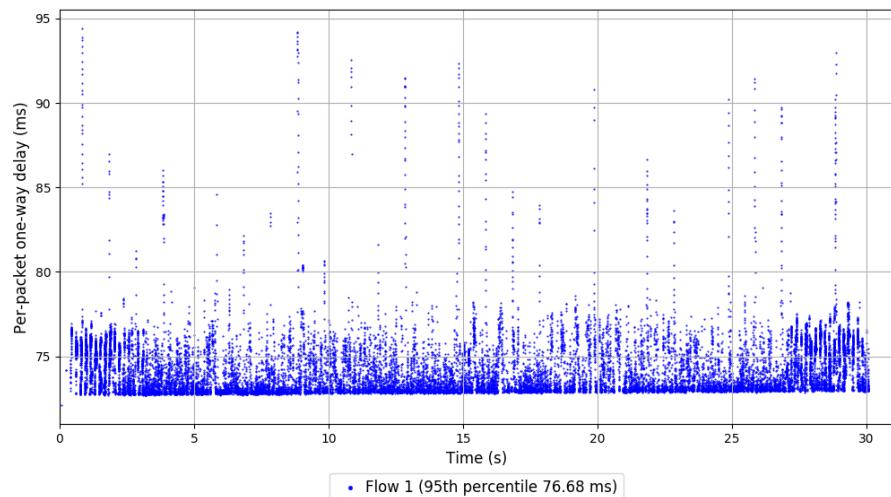
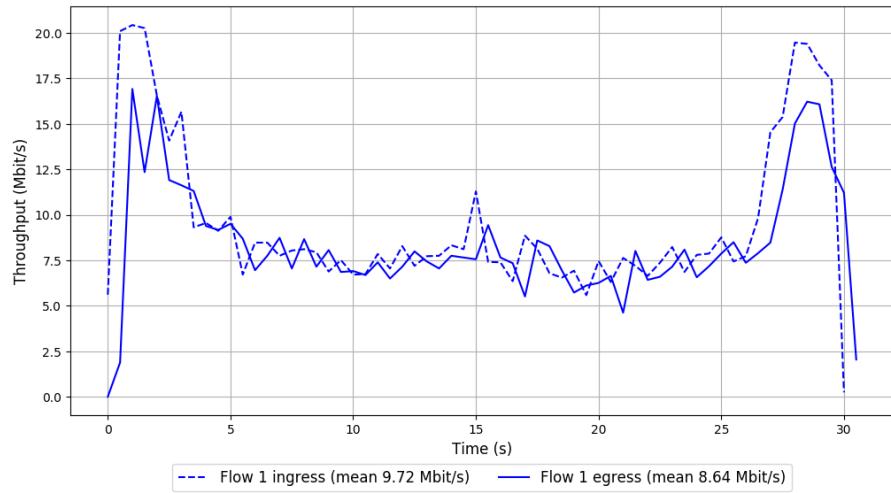


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-07-17 19:09:10
End at: 2019-07-17 19:09:40
Local clock offset: -6.08 ms
Remote clock offset: -2.318 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.64 Mbit/s
95th percentile per-packet one-way delay: 76.676 ms
Loss rate: 11.12%
-- Flow 1:
Average throughput: 8.64 Mbit/s
95th percentile per-packet one-way delay: 76.676 ms
Loss rate: 11.12%
```

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

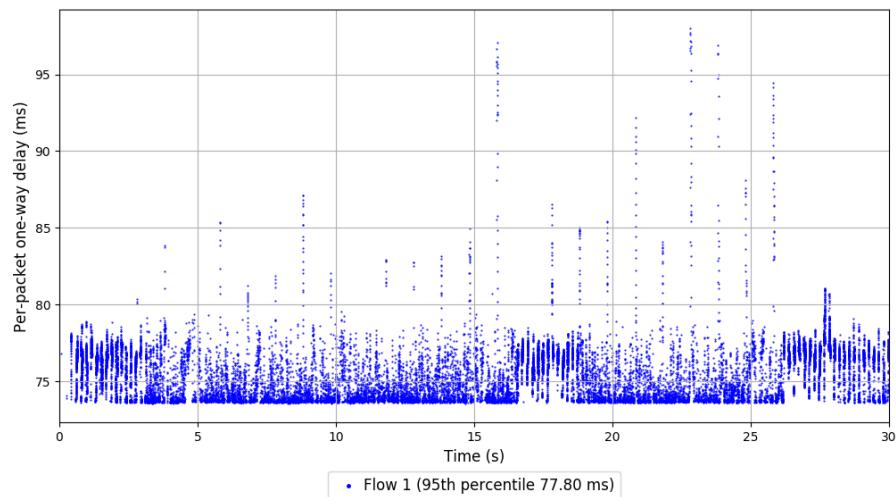
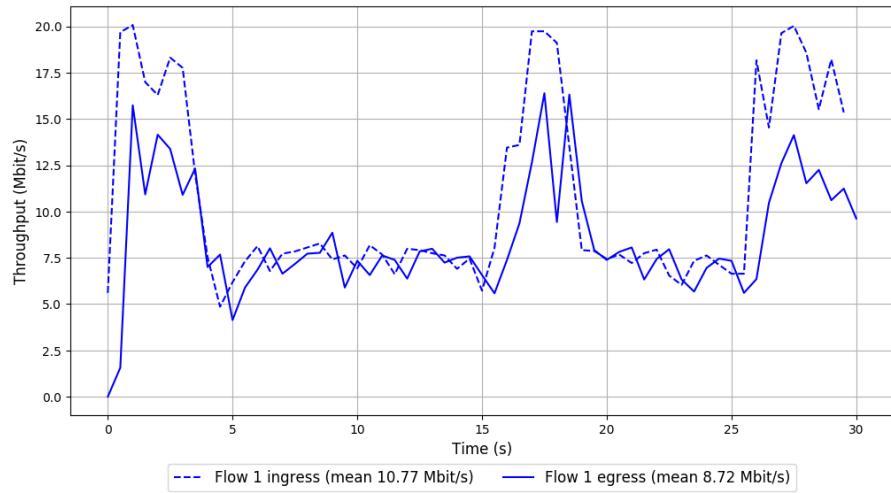


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-07-17 19:37:09
End at: 2019-07-17 19:37:39
Local clock offset: -6.607 ms
Remote clock offset: -5.55 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.72 Mbit/s
95th percentile per-packet one-way delay: 77.799 ms
Loss rate: 19.06%
-- Flow 1:
Average throughput: 8.72 Mbit/s
95th percentile per-packet one-way delay: 77.799 ms
Loss rate: 19.06%
```

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

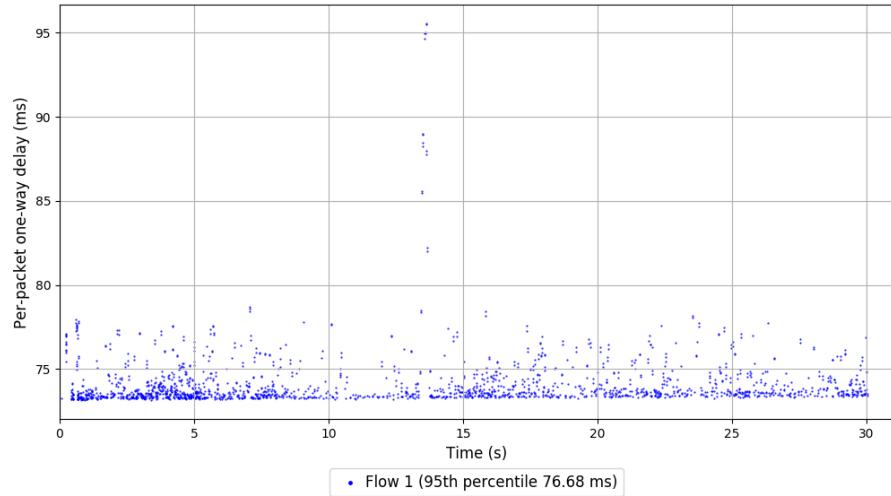
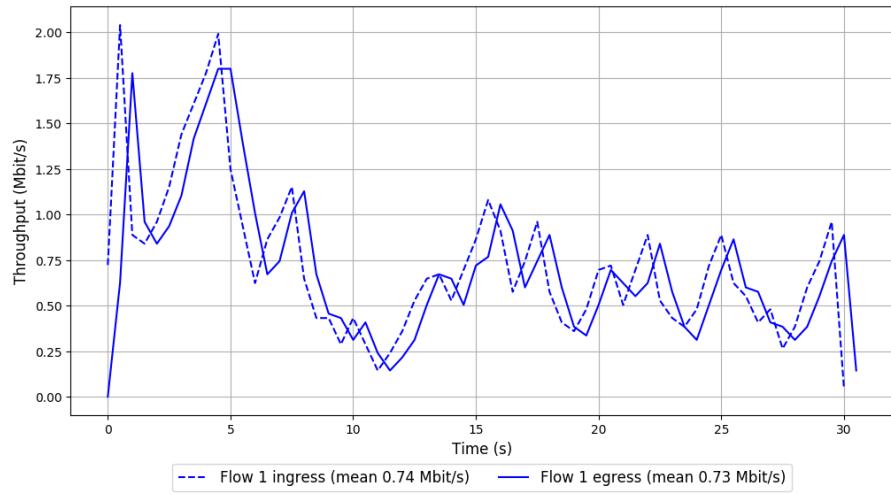


Run 1: Statistics of TCP Vegas

```
Start at: 2019-07-17 17:33:39
End at: 2019-07-17 17:34:09
Local clock offset: -8.834 ms
Remote clock offset: -7.806 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 76.681 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 0.73 Mbit/s
95th percentile per-packet one-way delay: 76.681 ms
Loss rate: 2.26%
```

Run 1: Report of TCP Vegas — Data Link

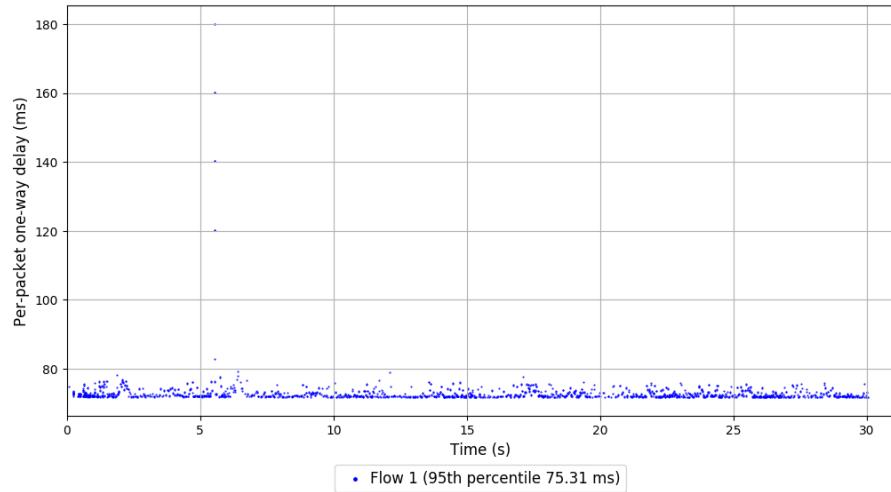
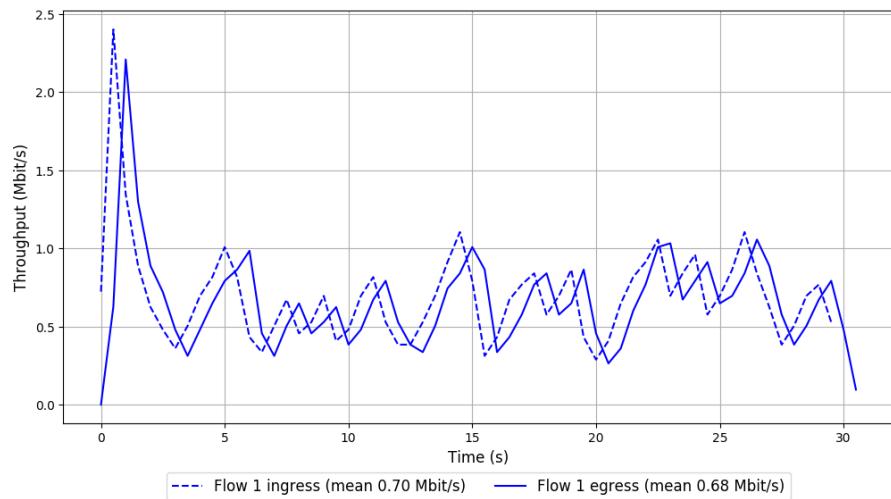


Run 2: Statistics of TCP Vegas

```
Start at: 2019-07-17 18:01:42
End at: 2019-07-17 18:02:12
Local clock offset: -6.439 ms
Remote clock offset: -9.509 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 75.313 ms
Loss rate: 2.18%
-- Flow 1:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 75.313 ms
Loss rate: 2.18%
```

Run 2: Report of TCP Vegas — Data Link

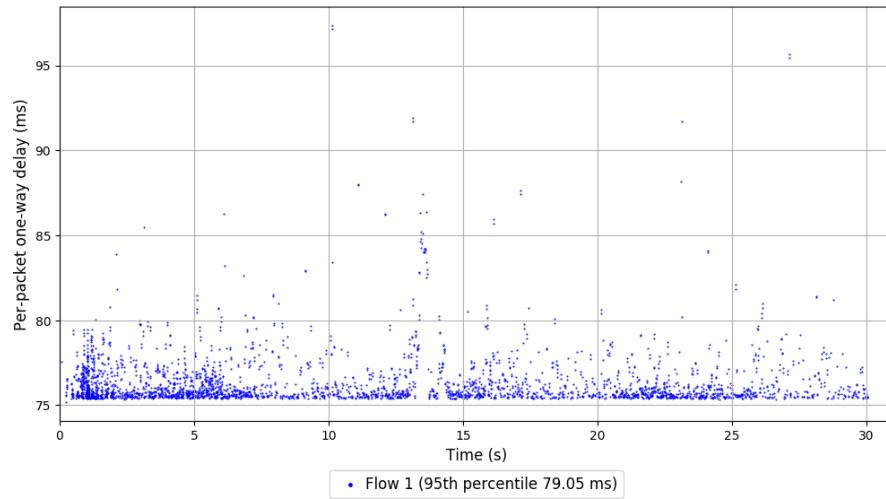
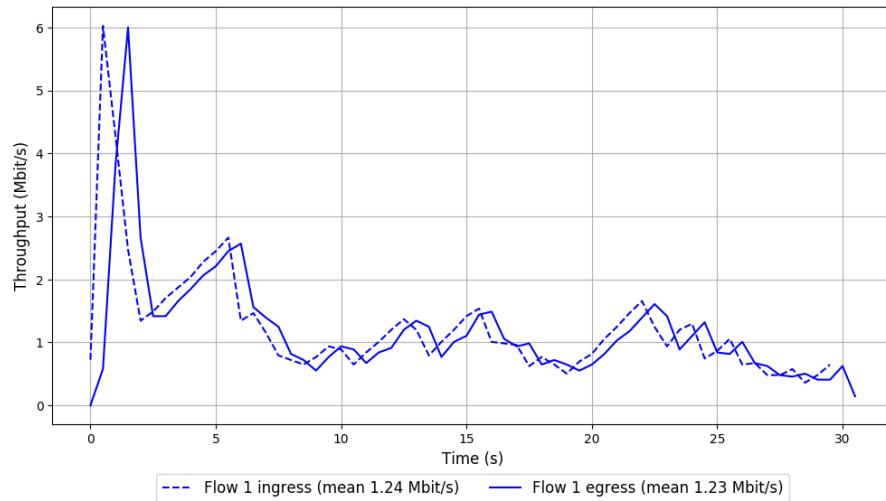


Run 3: Statistics of TCP Vegas

```
Start at: 2019-07-17 18:29:34
End at: 2019-07-17 18:30:04
Local clock offset: -6.283 ms
Remote clock offset: -4.776 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 79.050 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 1.23 Mbit/s
95th percentile per-packet one-way delay: 79.050 ms
Loss rate: 1.16%
```

Run 3: Report of TCP Vegas — Data Link

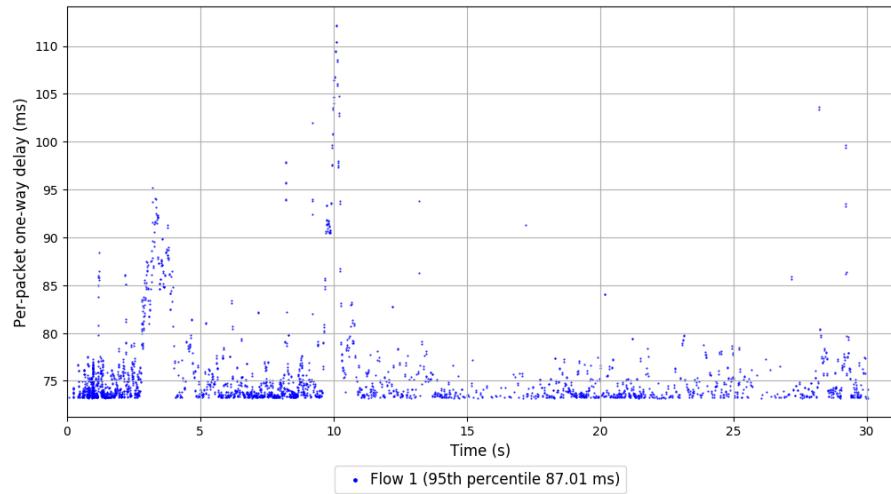
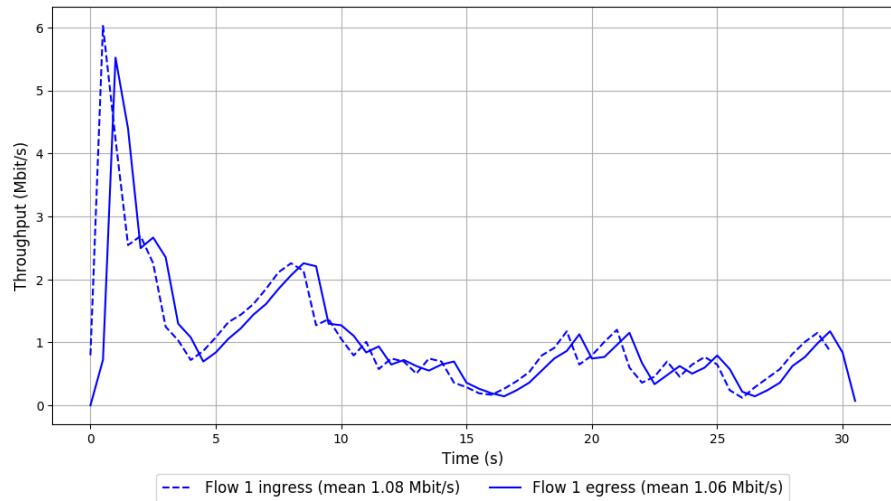


Run 4: Statistics of TCP Vegas

```
Start at: 2019-07-17 18:57:25
End at: 2019-07-17 18:57:55
Local clock offset: -6.332 ms
Remote clock offset: -2.829 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 87.006 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 1.06 Mbit/s
95th percentile per-packet one-way delay: 87.006 ms
Loss rate: 1.41%
```

Run 4: Report of TCP Vegas — Data Link

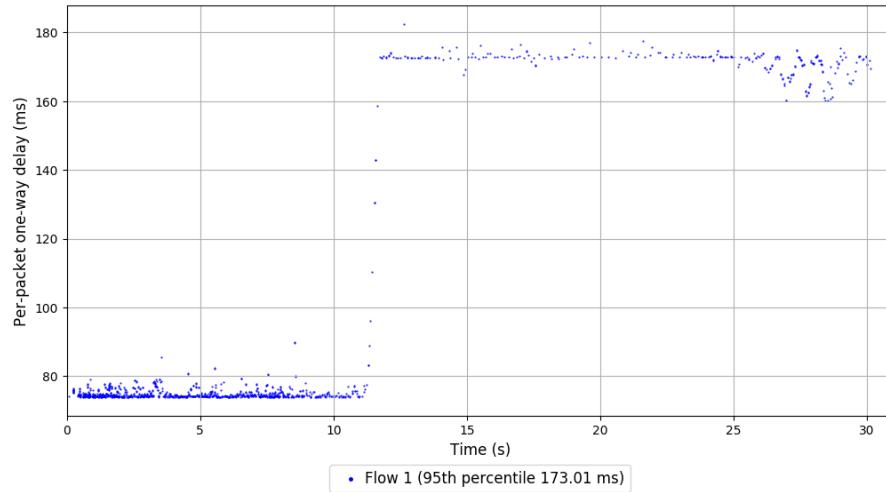
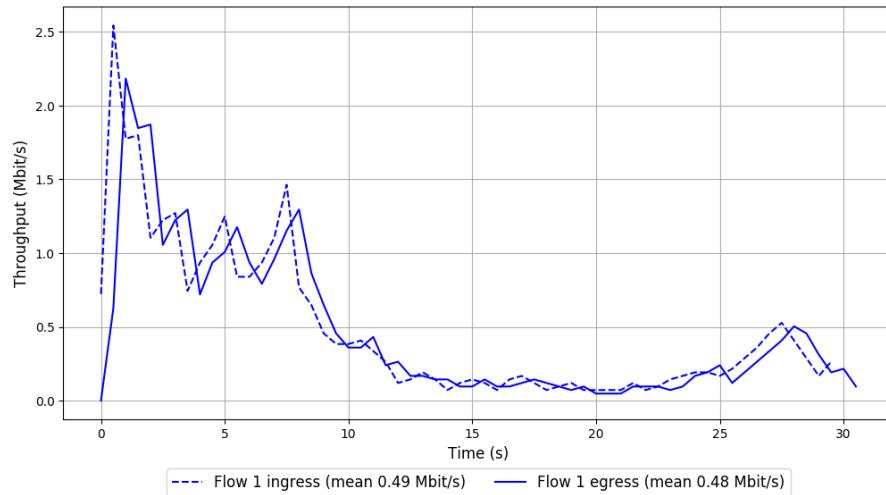


Run 5: Statistics of TCP Vegas

```
Start at: 2019-07-17 19:25:40
End at: 2019-07-17 19:26:10
Local clock offset: -6.006 ms
Remote clock offset: -4.463 ms

# Below is generated by plot.py at 2019-07-17 19:52:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 173.013 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 0.48 Mbit/s
95th percentile per-packet one-way delay: 173.013 ms
Loss rate: 2.44%
```

Run 5: Report of TCP Vegas — Data Link

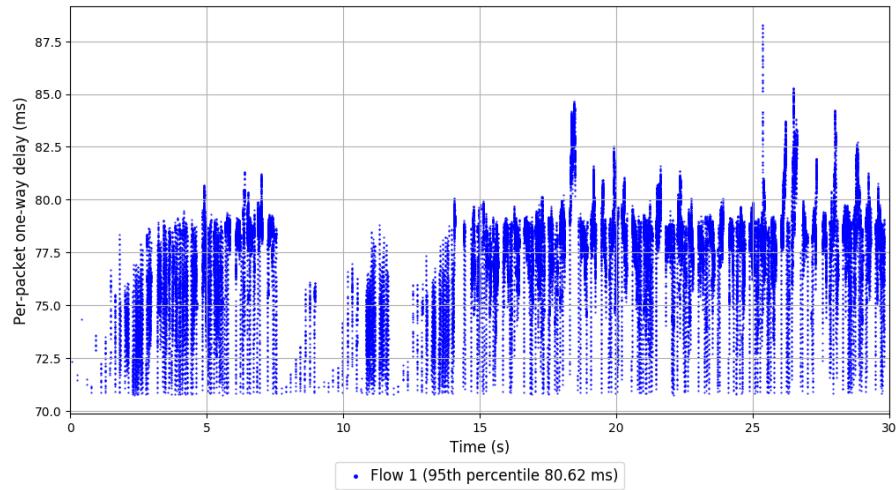
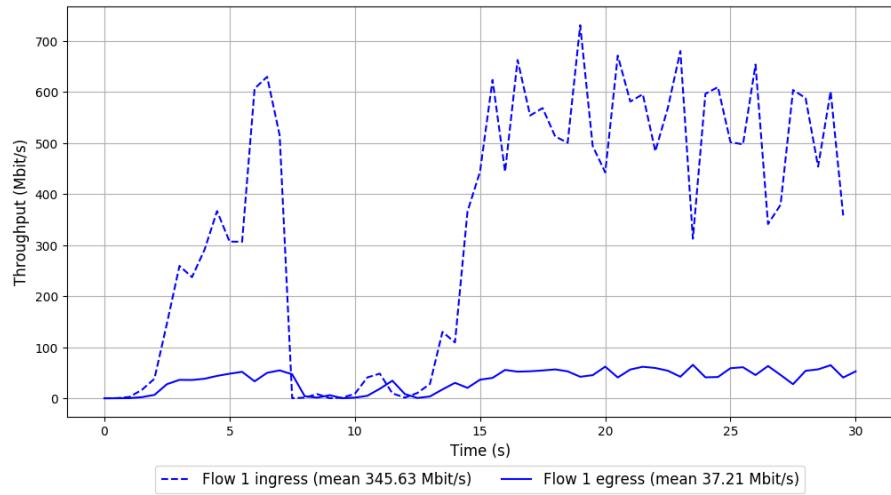


Run 1: Statistics of Verus

```
Start at: 2019-07-17 17:48:45
End at: 2019-07-17 17:49:15
Local clock offset: -6.654 ms
Remote clock offset: -10.105 ms

# Below is generated by plot.py at 2019-07-17 19:53:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 37.21 Mbit/s
95th percentile per-packet one-way delay: 80.625 ms
Loss rate: 89.23%
-- Flow 1:
Average throughput: 37.21 Mbit/s
95th percentile per-packet one-way delay: 80.625 ms
Loss rate: 89.23%
```

Run 1: Report of Verus — Data Link

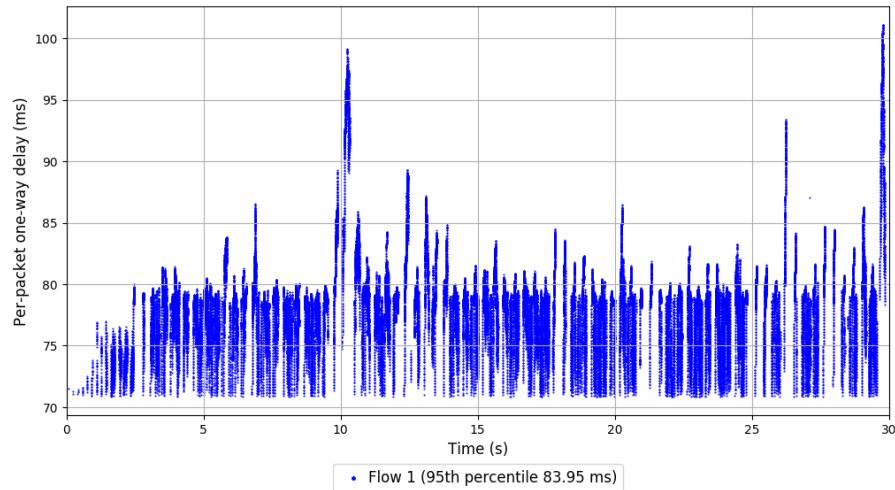
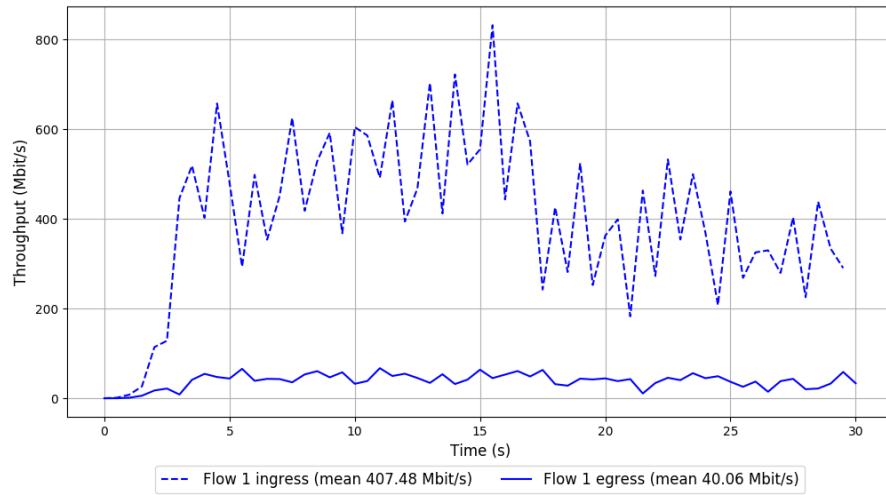


Run 2: Statistics of Verus

```
Start at: 2019-07-17 18:16:40
End at: 2019-07-17 18:17:10
Local clock offset: -6.264 ms
Remote clock offset: -7.746 ms

# Below is generated by plot.py at 2019-07-17 19:53:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.06 Mbit/s
95th percentile per-packet one-way delay: 83.950 ms
Loss rate: 90.17%
-- Flow 1:
Average throughput: 40.06 Mbit/s
95th percentile per-packet one-way delay: 83.950 ms
Loss rate: 90.17%
```

Run 2: Report of Verus — Data Link

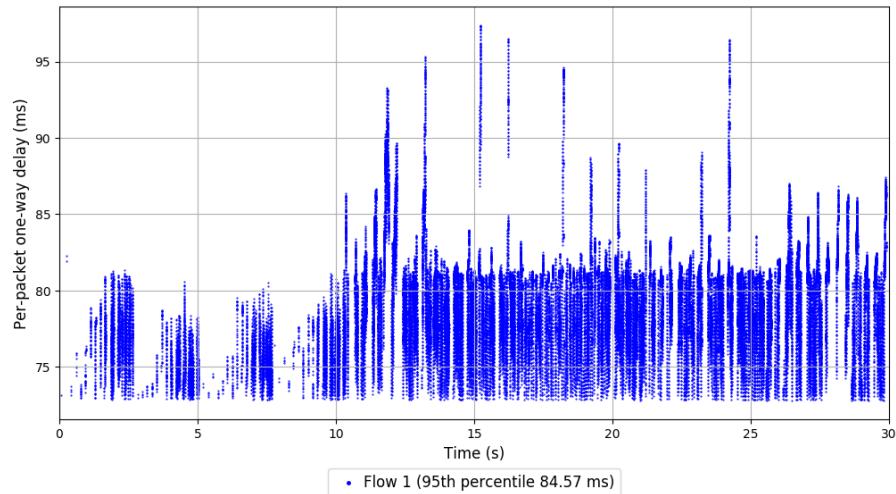
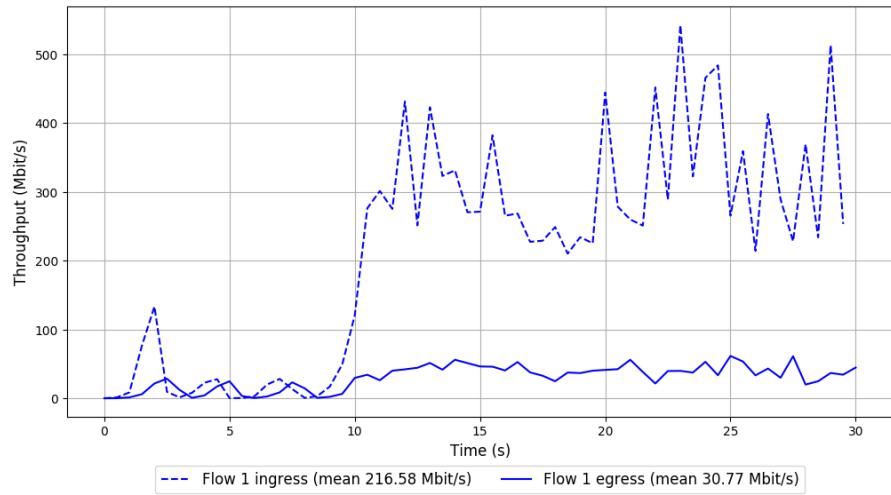


Run 3: Statistics of Verus

```
Start at: 2019-07-17 18:44:32
End at: 2019-07-17 18:45:02
Local clock offset: -6.353 ms
Remote clock offset: -4.982 ms

# Below is generated by plot.py at 2019-07-17 19:53:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.77 Mbit/s
95th percentile per-packet one-way delay: 84.574 ms
Loss rate: 85.79%
-- Flow 1:
Average throughput: 30.77 Mbit/s
95th percentile per-packet one-way delay: 84.574 ms
Loss rate: 85.79%
```

Run 3: Report of Verus — Data Link

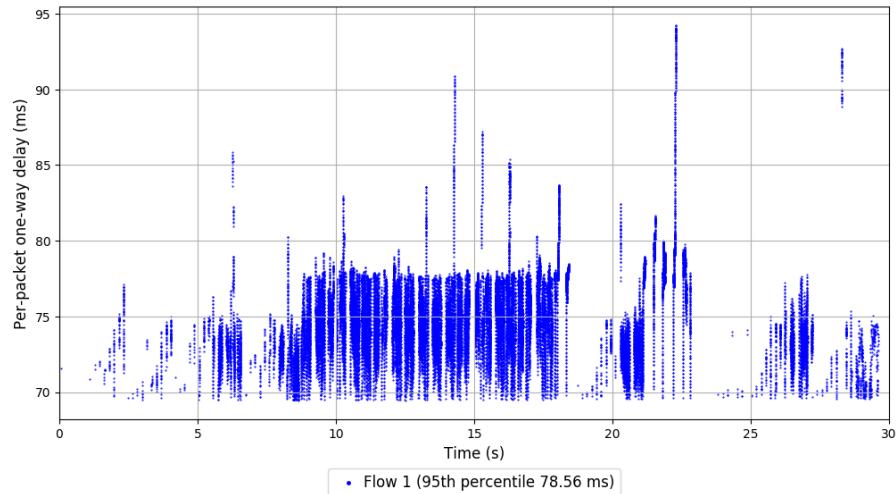
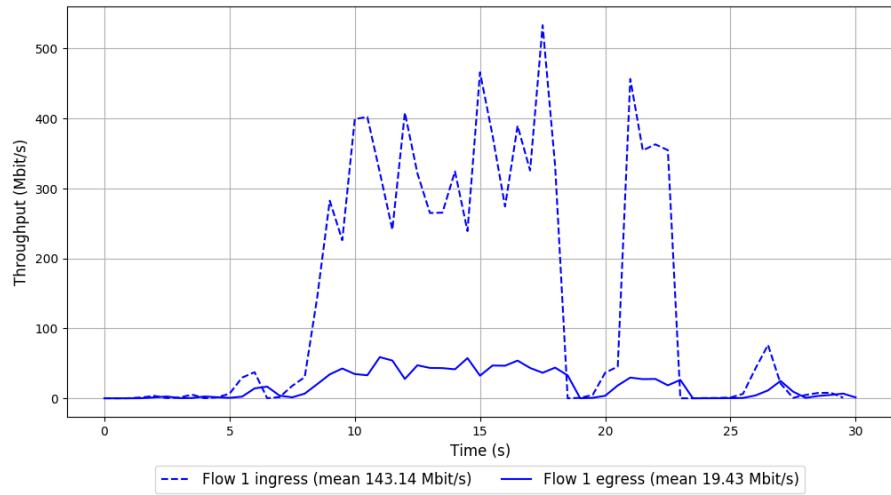


Run 4: Statistics of Verus

```
Start at: 2019-07-17 19:12:42
End at: 2019-07-17 19:13:12
Local clock offset: -6.021 ms
Remote clock offset: -6.722 ms

# Below is generated by plot.py at 2019-07-17 19:53:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.43 Mbit/s
95th percentile per-packet one-way delay: 78.562 ms
Loss rate: 86.43%
-- Flow 1:
Average throughput: 19.43 Mbit/s
95th percentile per-packet one-way delay: 78.562 ms
Loss rate: 86.43%
```

Run 4: Report of Verus — Data Link

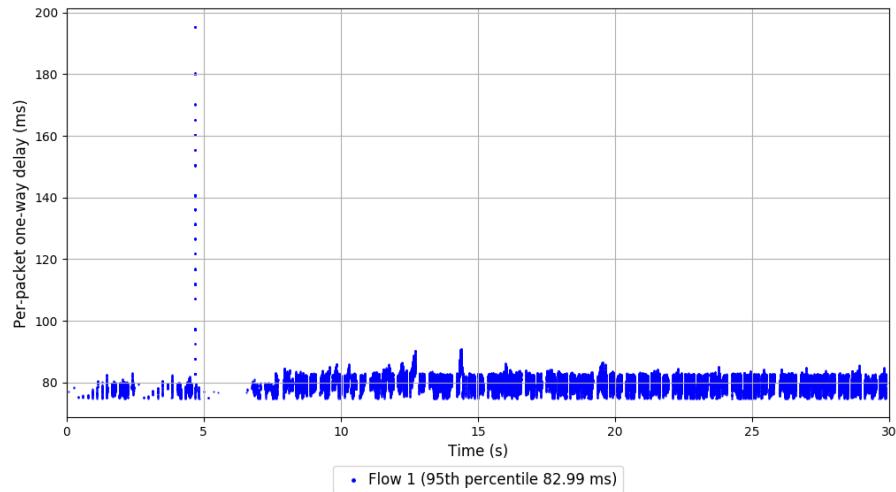
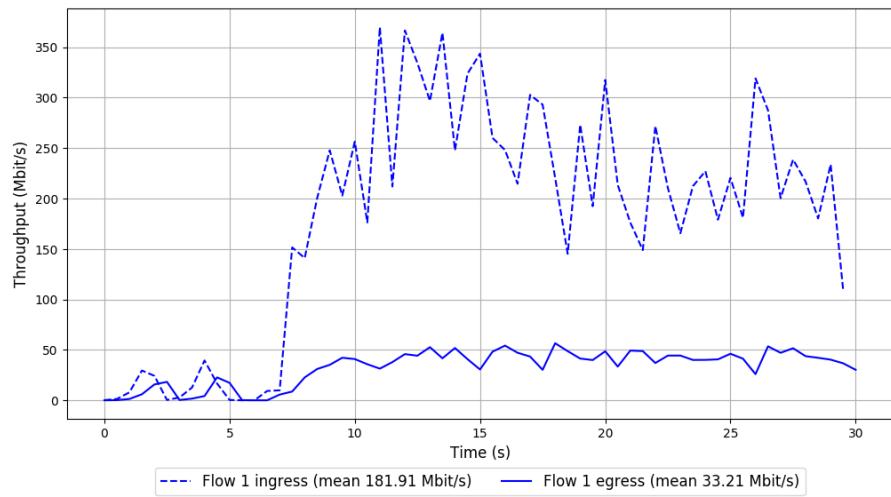


Run 5: Statistics of Verus

```
Start at: 2019-07-17 19:40:40
End at: 2019-07-17 19:41:10
Local clock offset: -6.692 ms
Remote clock offset: -4.925 ms

# Below is generated by plot.py at 2019-07-17 19:53:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.21 Mbit/s
95th percentile per-packet one-way delay: 82.986 ms
Loss rate: 81.74%
-- Flow 1:
Average throughput: 33.21 Mbit/s
95th percentile per-packet one-way delay: 82.986 ms
Loss rate: 81.74%
```

Run 5: Report of Verus — Data Link

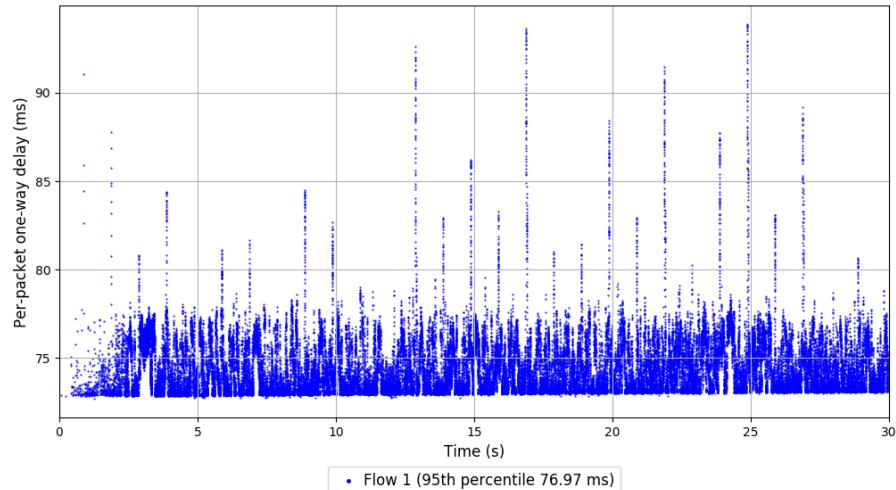
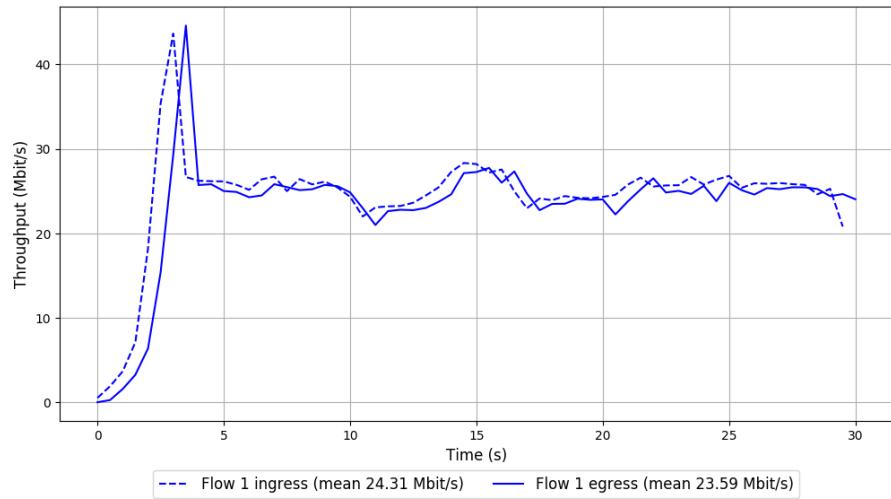


Run 1: Statistics of PCC-Vivace

```
Start at: 2019-07-17 17:31:19
End at: 2019-07-17 17:31:49
Local clock offset: -9.656 ms
Remote clock offset: -7.327 ms

# Below is generated by plot.py at 2019-07-17 19:53:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.59 Mbit/s
95th percentile per-packet one-way delay: 76.968 ms
Loss rate: 2.94%
-- Flow 1:
Average throughput: 23.59 Mbit/s
95th percentile per-packet one-way delay: 76.968 ms
Loss rate: 2.94%
```

Run 1: Report of PCC-Vivace — Data Link

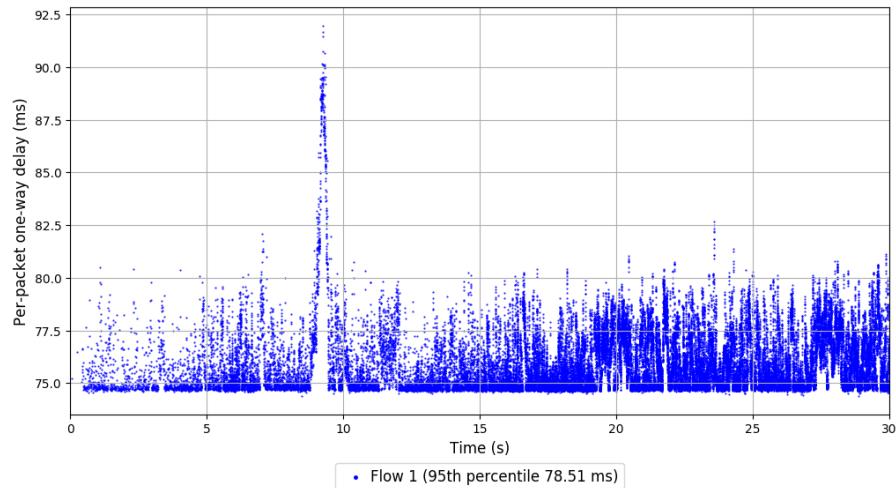
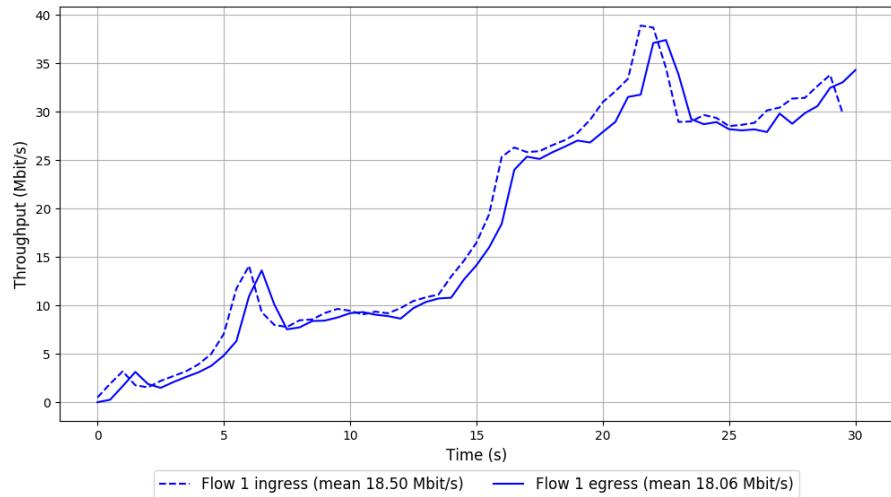


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-07-17 17:59:23
End at: 2019-07-17 17:59:53
Local clock offset: -6.377 ms
Remote clock offset: -7.187 ms

# Below is generated by plot.py at 2019-07-17 19:53:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.06 Mbit/s
95th percentile per-packet one-way delay: 78.506 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 18.06 Mbit/s
95th percentile per-packet one-way delay: 78.506 ms
Loss rate: 2.35%
```

Run 2: Report of PCC-Vivace — Data Link

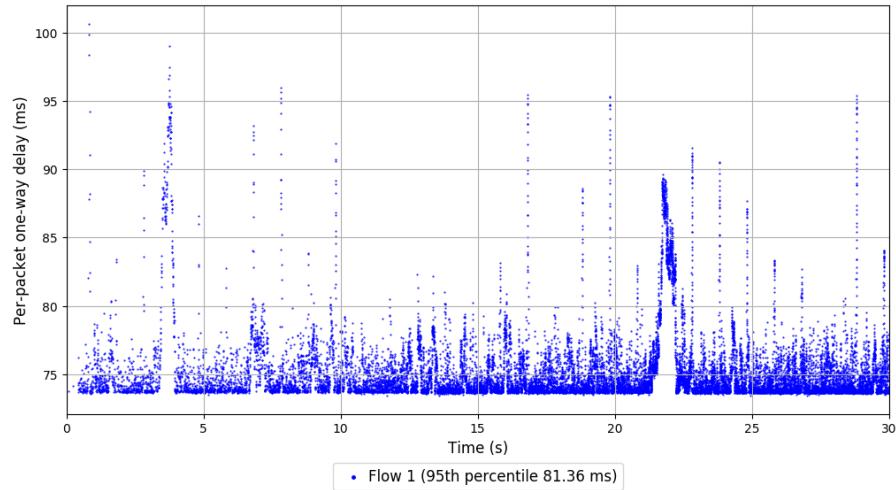
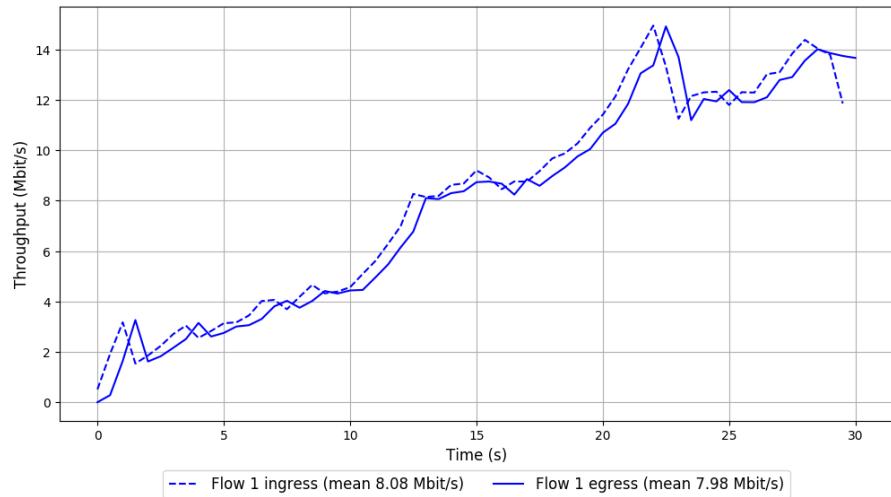


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-07-17 18:27:17
End at: 2019-07-17 18:27:47
Local clock offset: -6.271 ms
Remote clock offset: -5.207 ms

# Below is generated by plot.py at 2019-07-17 19:53:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.98 Mbit/s
95th percentile per-packet one-way delay: 81.360 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 7.98 Mbit/s
95th percentile per-packet one-way delay: 81.360 ms
Loss rate: 1.29%
```

Run 3: Report of PCC-Vivace — Data Link

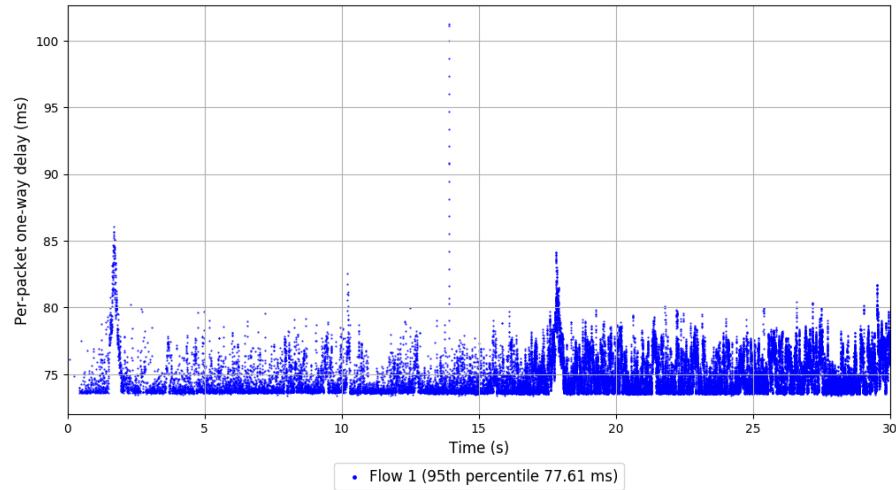
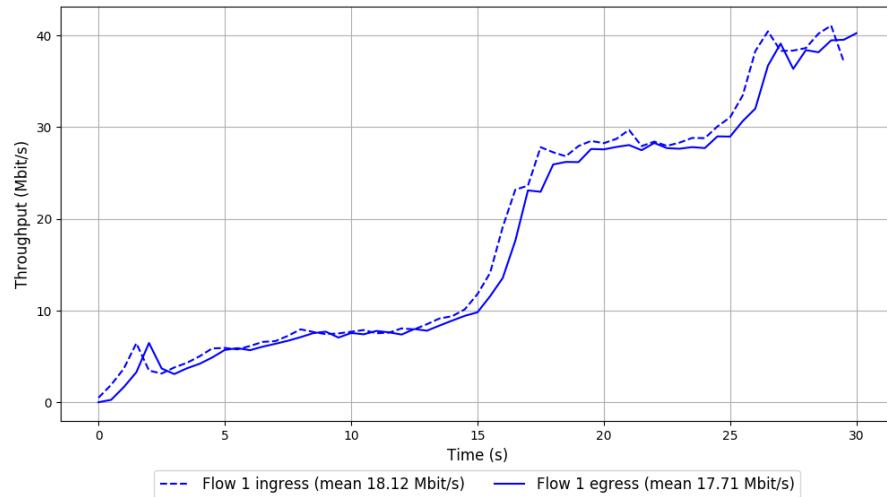


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-07-17 18:55:05
End at: 2019-07-17 18:55:35
Local clock offset: -6.317 ms
Remote clock offset: -1.616 ms

# Below is generated by plot.py at 2019-07-17 19:53:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.71 Mbit/s
95th percentile per-packet one-way delay: 77.607 ms
Loss rate: 2.24%
-- Flow 1:
Average throughput: 17.71 Mbit/s
95th percentile per-packet one-way delay: 77.607 ms
Loss rate: 2.24%
```

Run 4: Report of PCC-Vivace — Data Link

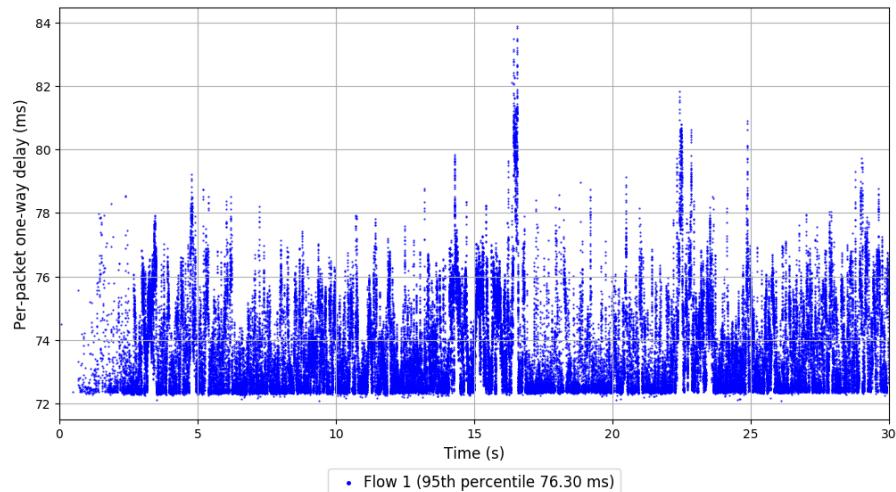
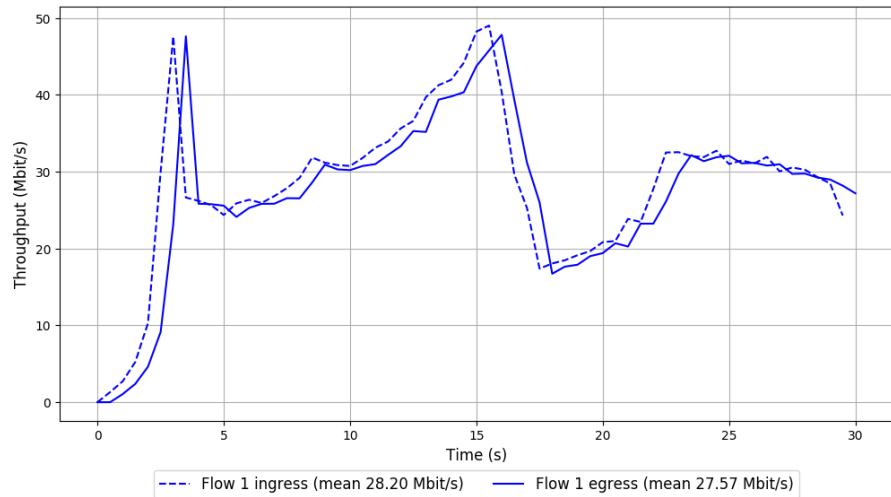


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-07-17 19:23:17
End at: 2019-07-17 19:23:47
Local clock offset: -5.995 ms
Remote clock offset: -5.664 ms

# Below is generated by plot.py at 2019-07-17 19:53:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.57 Mbit/s
95th percentile per-packet one-way delay: 76.297 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 27.57 Mbit/s
95th percentile per-packet one-way delay: 76.297 ms
Loss rate: 2.26%
```

Run 5: Report of PCC-Vivace — Data Link

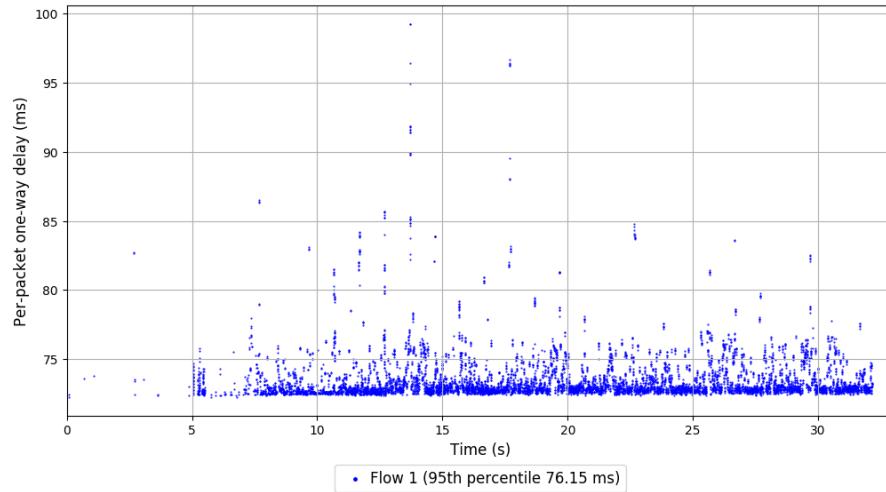
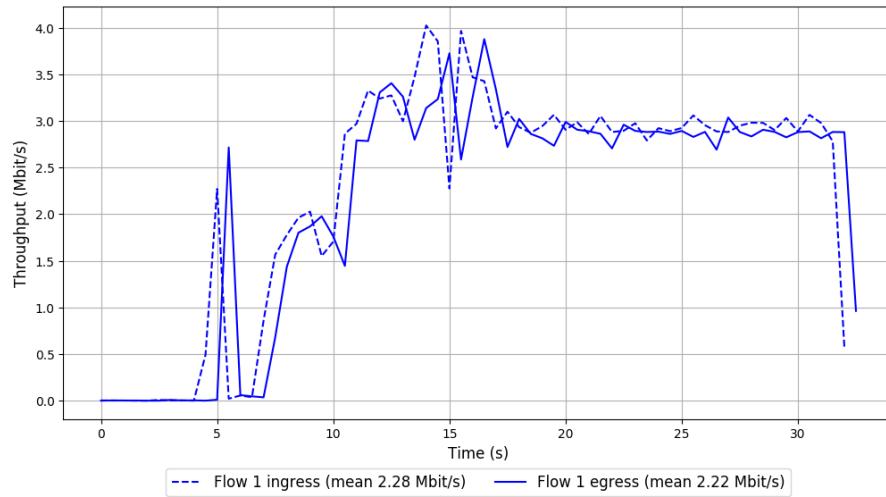


Run 1: Statistics of WebRTC media

```
Start at: 2019-07-17 17:42:53
End at: 2019-07-17 17:43:23
Local clock offset: -7.141 ms
Remote clock offset: -8.609 ms

# Below is generated by plot.py at 2019-07-17 19:53:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 76.154 ms
Loss rate: 2.75%
-- Flow 1:
Average throughput: 2.22 Mbit/s
95th percentile per-packet one-way delay: 76.154 ms
Loss rate: 2.75%
```

Run 1: Report of WebRTC media — Data Link

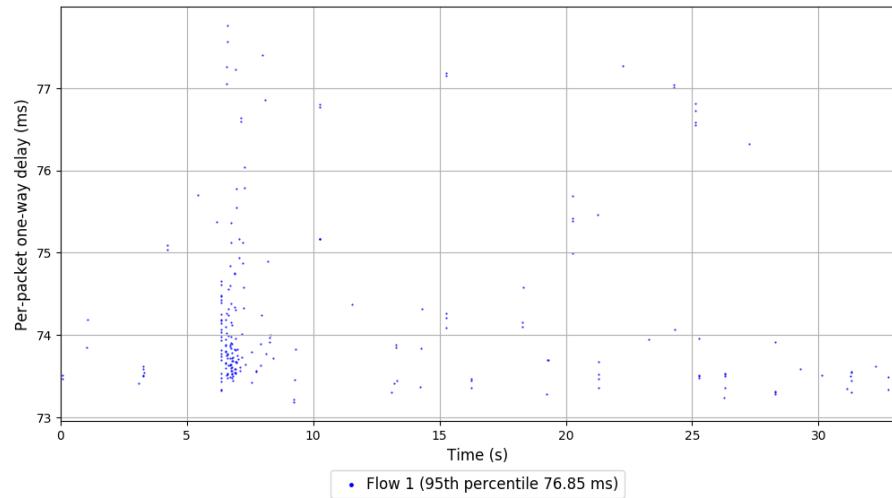
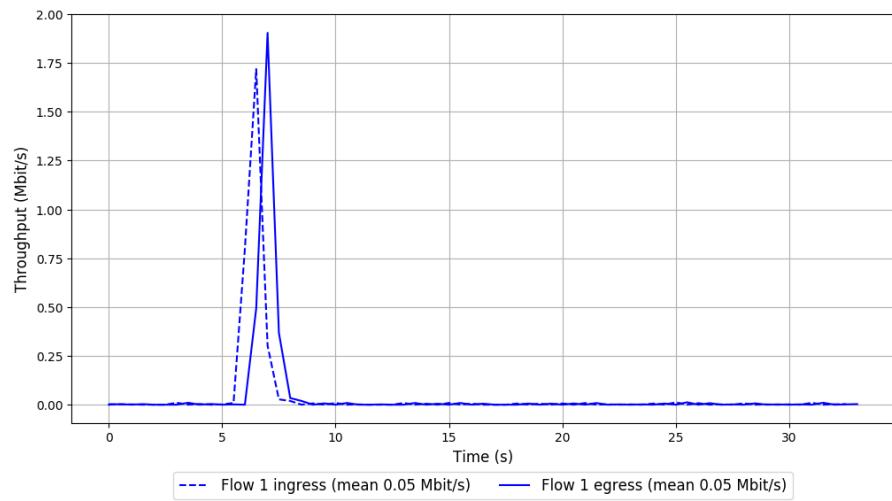


Run 2: Statistics of WebRTC media

```
Start at: 2019-07-17 18:10:50
End at: 2019-07-17 18:11:20
Local clock offset: -6.391 ms
Remote clock offset: -6.802 ms

# Below is generated by plot.py at 2019-07-17 19:53:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 76.854 ms
Loss rate: 1.88%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 76.854 ms
Loss rate: 1.88%
```

Run 2: Report of WebRTC media — Data Link

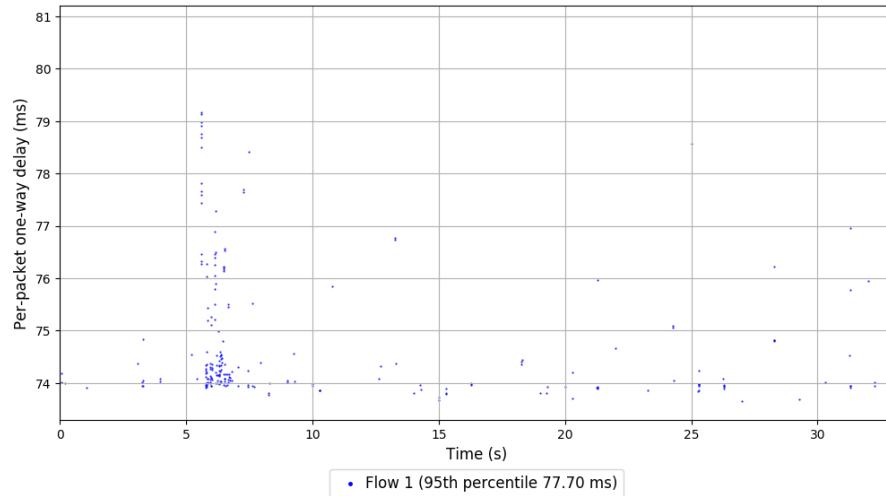
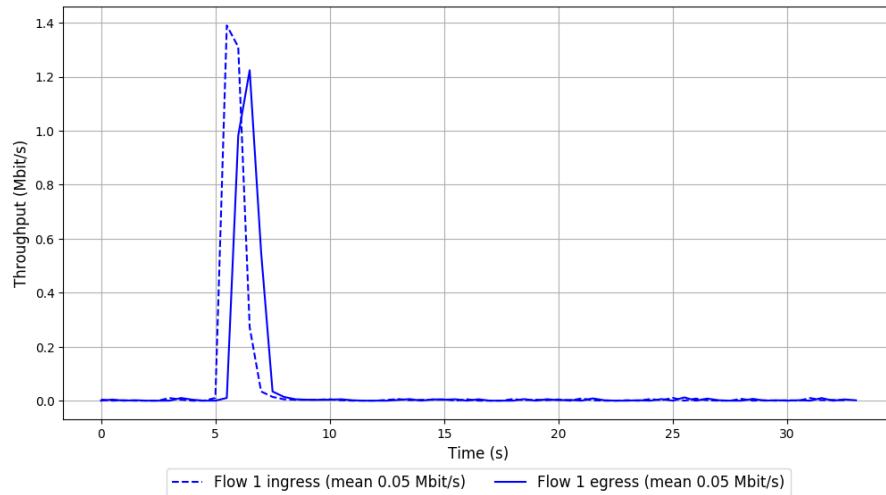


Run 3: Statistics of WebRTC media

```
Start at: 2019-07-17 18:38:43
End at: 2019-07-17 18:39:13
Local clock offset: -6.363 ms
Remote clock offset: -4.248 ms

# Below is generated by plot.py at 2019-07-17 19:53:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 77.696 ms
Loss rate: 6.84%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 77.696 ms
Loss rate: 6.84%
```

Run 3: Report of WebRTC media — Data Link

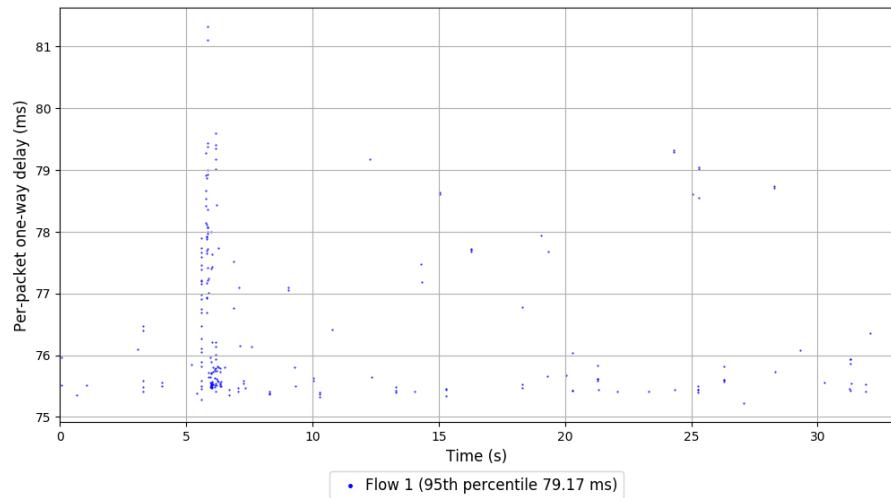
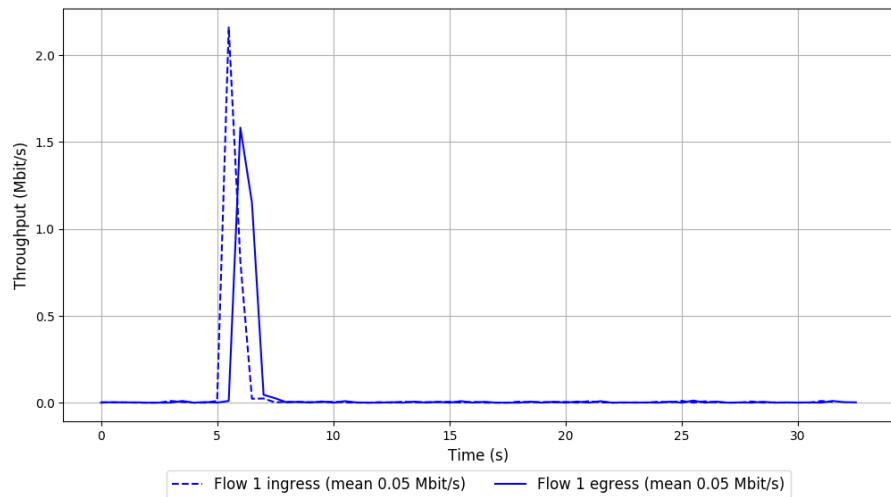


Run 4: Statistics of WebRTC media

```
Start at: 2019-07-17 19:06:46
End at: 2019-07-17 19:07:16
Local clock offset: -6.091 ms
Remote clock offset: -0.695 ms

# Below is generated by plot.py at 2019-07-17 19:53:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 79.167 ms
Loss rate: 6.90%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 79.167 ms
Loss rate: 6.90%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-07-17 19:34:51
End at: 2019-07-17 19:35:21
Local clock offset: -6.626 ms
Remote clock offset: -5.05 ms

# Below is generated by plot.py at 2019-07-17 19:53:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 77.266 ms
Loss rate: 11.78%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 77.266 ms
Loss rate: 11.78%
```

Run 5: Report of WebRTC media — Data Link

