

Pantheon Report

Generated at 2019-07-12 13:32:14 (UTC).
Data path: Mexico on `em1` (*remote*) → AWS California 2 on `ens5` (*local*).
Repeated the test of 24 congestion control schemes 5 times.
Each test lasted for 30 seconds running 1 flow.
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

System info:

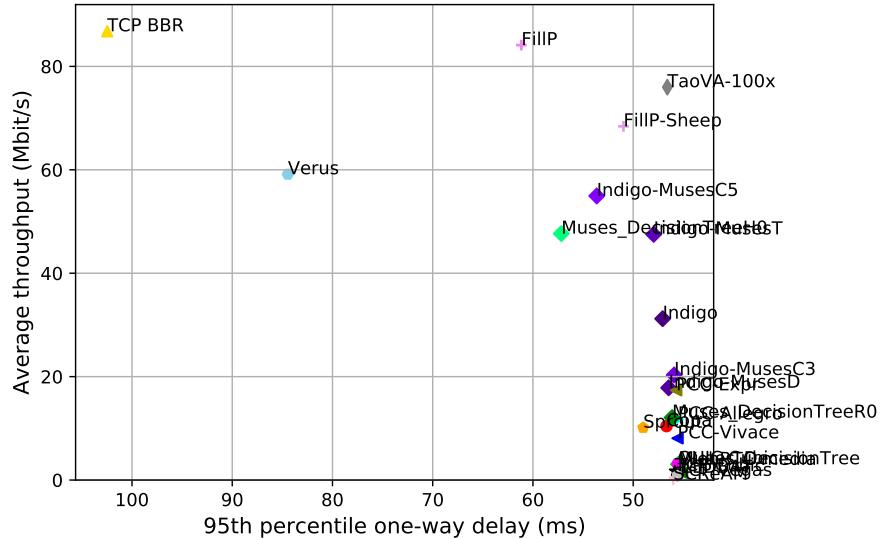
```
Linux 4.15.0-1041-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

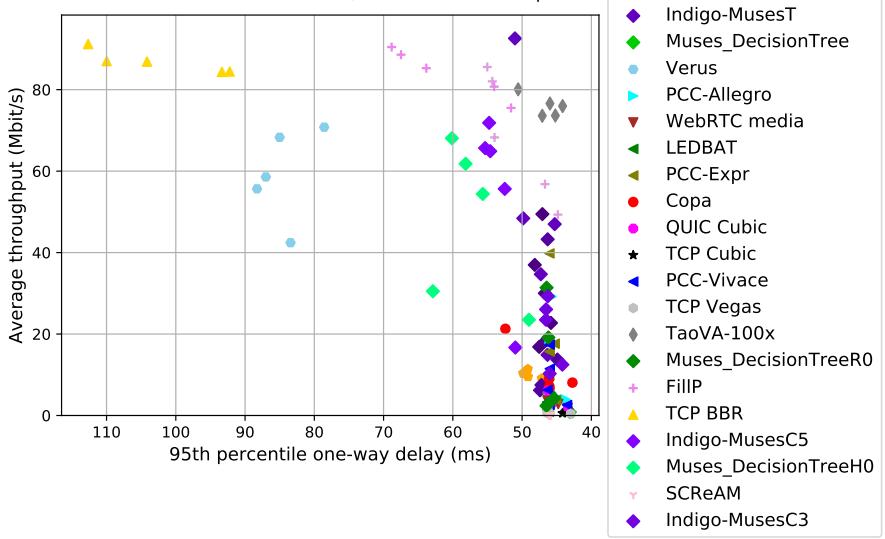
```
branch: muses @ 2076e1149a241f3edb4365d686df32342bf9561f
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 8bb93ffff2b107204a92d8b72449fc0c55e15f00
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 Mexico to AWS California 2, 5 runs of 30s each per scheme
(mean of all runs by scheme)



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



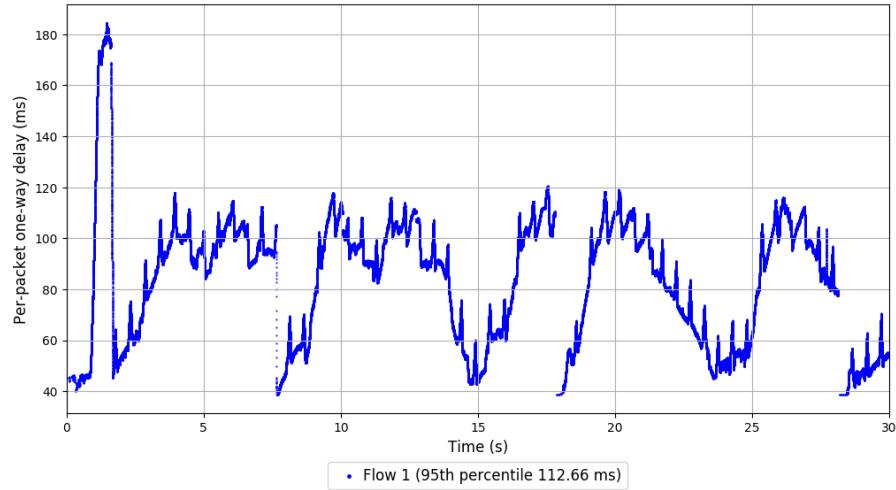
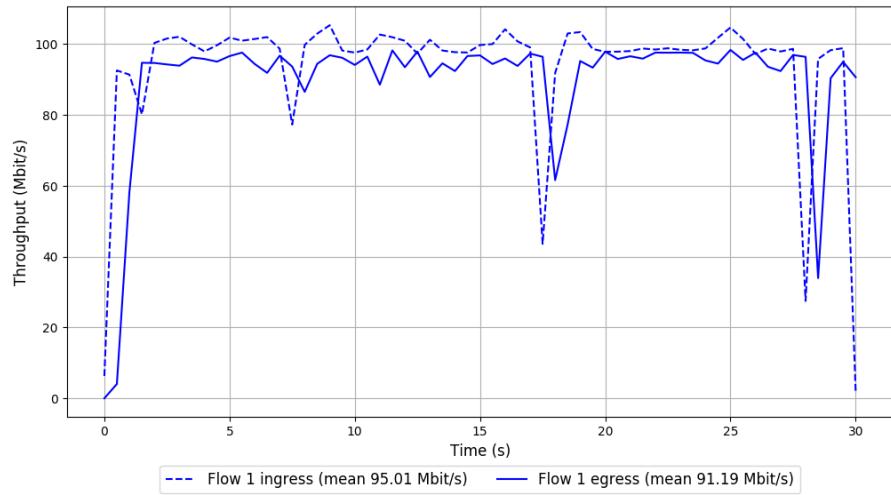
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	86.79	102.47	6.15
Copa	5	10.43	46.67	5.13
TCP Cubic	5	1.75	45.85	3.54
FillP	5	84.12	61.15	6.72
FillP-Sheep	5	68.40	50.97	7.40
Indigo	5	31.21	47.06	6.89
Indigo-MusesC3	5	20.32	45.91	5.30
Indigo-MusesC5	5	54.94	53.63	5.84
Indigo-MusesD	5	17.84	46.46	4.11
Indigo-MusesT	5	47.51	47.95	4.78
LEDBAT	5	1.40	45.13	5.66
Muses_DecisionTree	5	3.06	45.48	4.41
Muses_DecisionTreeH0	5	47.66	57.17	5.05
Muses_DecisionTreeR0	5	12.07	46.12	4.04
PCC-Allegro	5	11.73	45.55	4.01
PCC-Expr	5	17.35	45.71	3.87
QUIC Cubic	5	3.11	45.56	4.28
SCReAM	5	0.08	46.00	6.07
Sprout	5	10.13	49.00	7.26
TaoVA-100x	5	75.98	46.59	6.16
TCP Vegas	5	0.81	45.58	4.95
Verus	5	59.15	84.45	5.95
PCC-Vivace	5	8.08	45.58	4.30
WebRTC media	5	2.93	45.38	6.81

Run 1: Statistics of TCP BBR

```
Start at: 2019-07-12 10:19:26
End at: 2019-07-12 10:19:56
Local clock offset: -3.026 ms
Remote clock offset: -8.469 ms

# Below is generated by plot.py at 2019-07-12 13:26:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.19 Mbit/s
95th percentile per-packet one-way delay: 112.662 ms
Loss rate: 4.25%
-- Flow 1:
Average throughput: 91.19 Mbit/s
95th percentile per-packet one-way delay: 112.662 ms
Loss rate: 4.25%
```

Run 1: Report of TCP BBR — Data Link

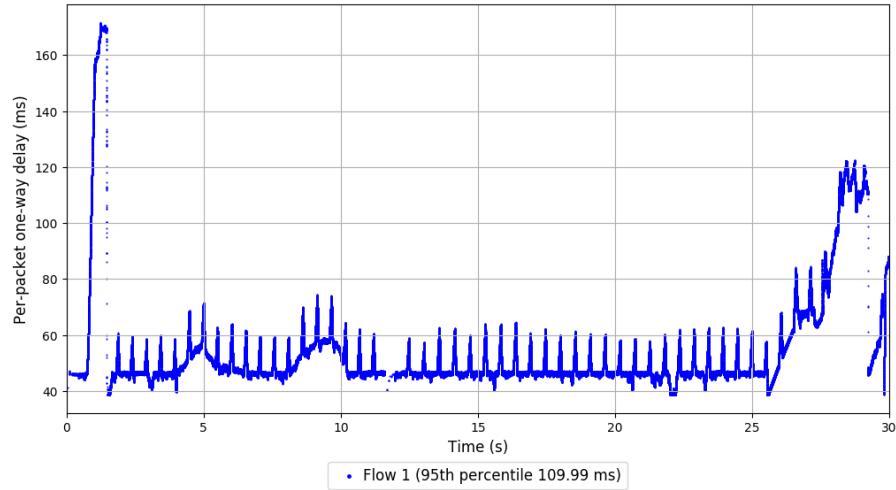
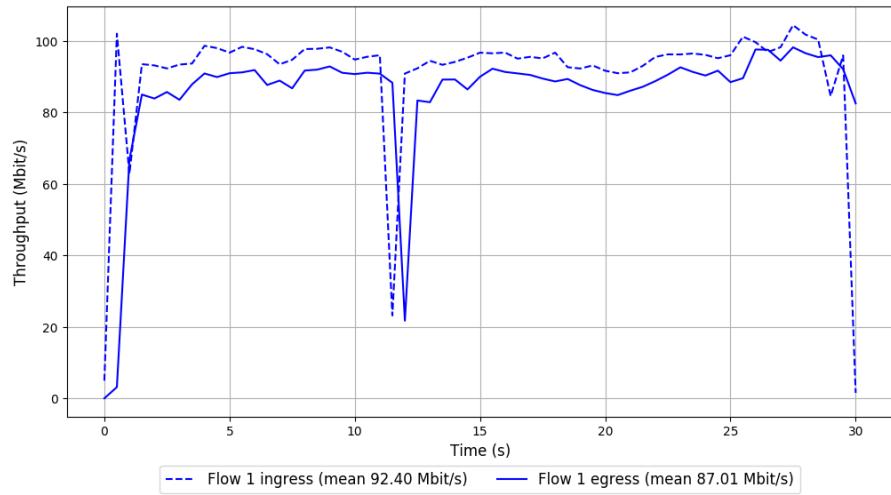


Run 2: Statistics of TCP BBR

```
Start at: 2019-07-12 10:55:55
End at: 2019-07-12 10:56:26
Local clock offset: 0.516 ms
Remote clock offset: -6.379 ms

# Below is generated by plot.py at 2019-07-12 13:26:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.01 Mbit/s
95th percentile per-packet one-way delay: 109.986 ms
Loss rate: 6.04%
-- Flow 1:
Average throughput: 87.01 Mbit/s
95th percentile per-packet one-way delay: 109.986 ms
Loss rate: 6.04%
```

Run 2: Report of TCP BBR — Data Link

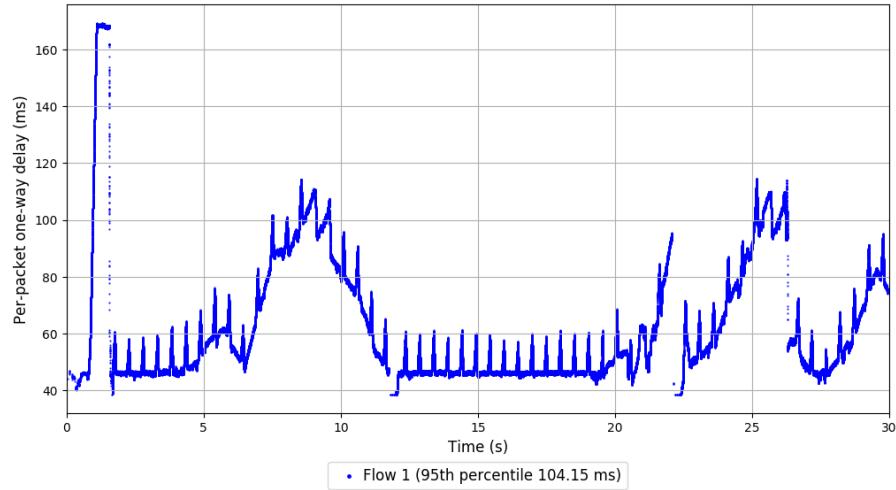
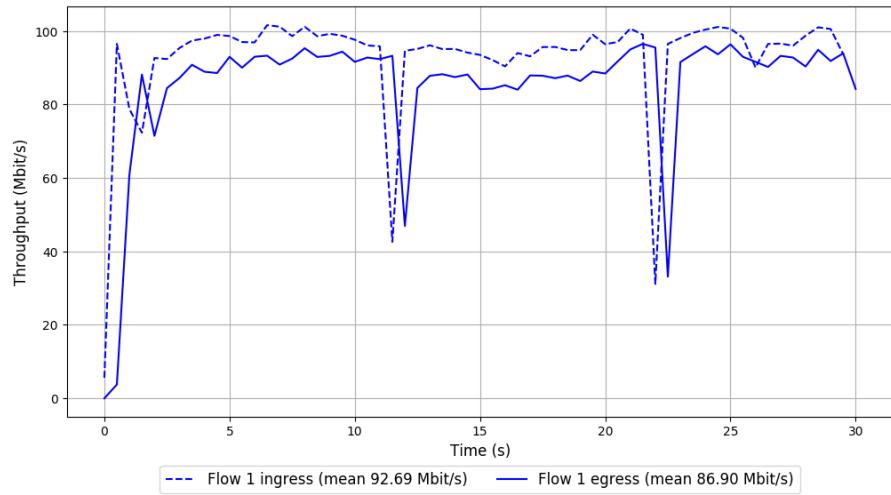


Run 3: Statistics of TCP BBR

```
Start at: 2019-07-12 11:36:37
End at: 2019-07-12 11:37:07
Local clock offset: -3.171 ms
Remote clock offset: -5.124 ms

# Below is generated by plot.py at 2019-07-12 13:26:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 104.151 ms
Loss rate: 6.47%
-- Flow 1:
Average throughput: 86.90 Mbit/s
95th percentile per-packet one-way delay: 104.151 ms
Loss rate: 6.47%
```

Run 3: Report of TCP BBR — Data Link

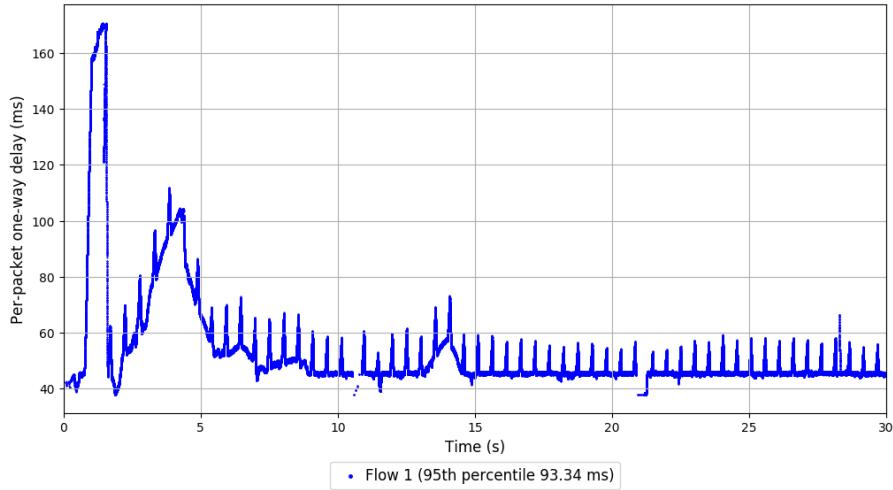
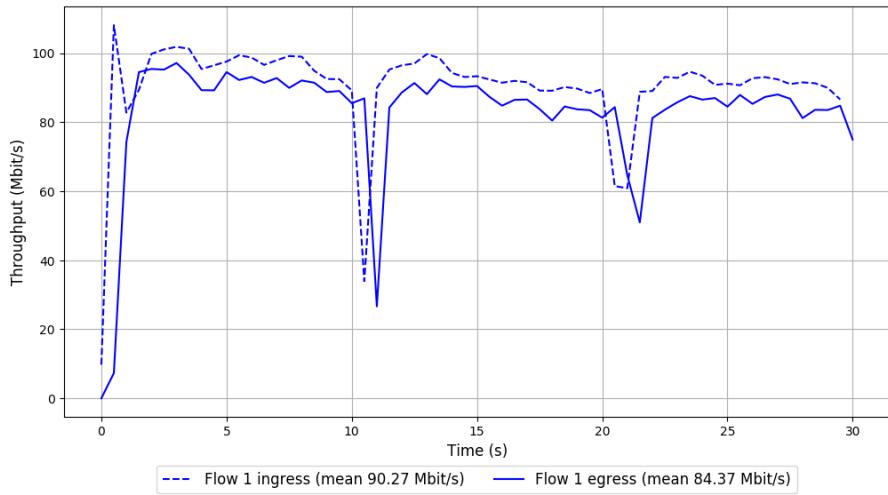


Run 4: Statistics of TCP BBR

```
Start at: 2019-07-12 12:17:29
End at: 2019-07-12 12:17:59
Local clock offset: -2.933 ms
Remote clock offset: -4.596 ms

# Below is generated by plot.py at 2019-07-12 13:26:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.37 Mbit/s
95th percentile per-packet one-way delay: 93.342 ms
Loss rate: 6.75%
-- Flow 1:
Average throughput: 84.37 Mbit/s
95th percentile per-packet one-way delay: 93.342 ms
Loss rate: 6.75%
```

Run 4: Report of TCP BBR — Data Link

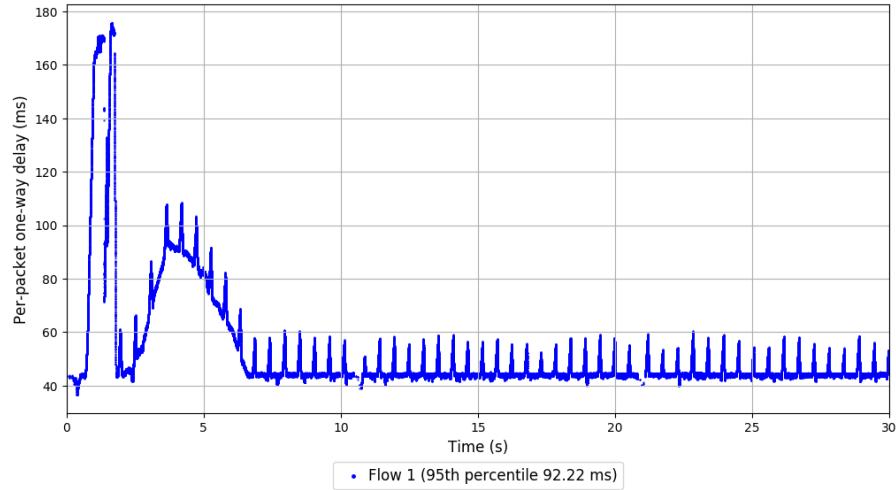
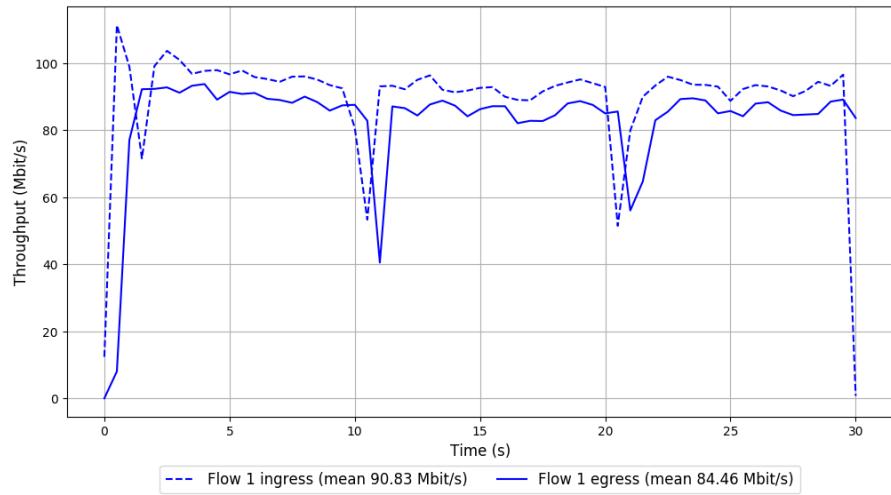


Run 5: Statistics of TCP BBR

```
Start at: 2019-07-12 13:00:22
End at: 2019-07-12 13:00:52
Local clock offset: 1.535 ms
Remote clock offset: -4.571 ms

# Below is generated by plot.py at 2019-07-12 13:26:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.46 Mbit/s
95th percentile per-packet one-way delay: 92.222 ms
Loss rate: 7.23%
-- Flow 1:
Average throughput: 84.46 Mbit/s
95th percentile per-packet one-way delay: 92.222 ms
Loss rate: 7.23%
```

Run 5: Report of TCP BBR — Data Link

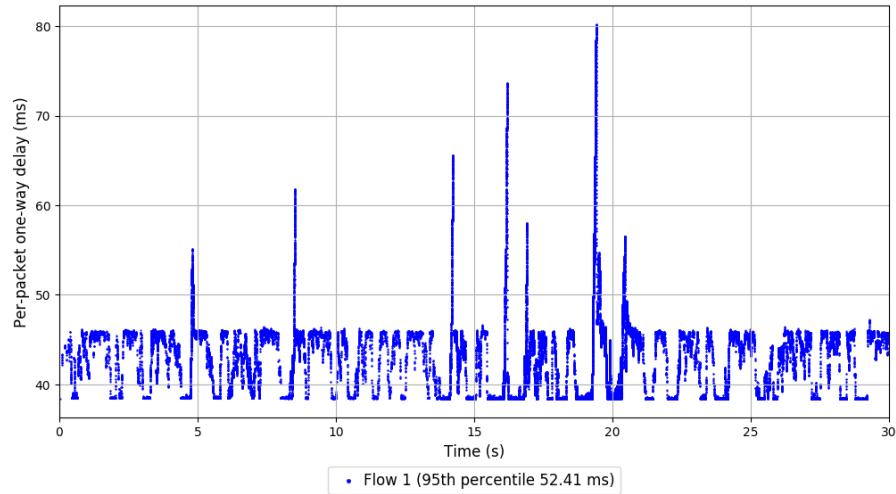
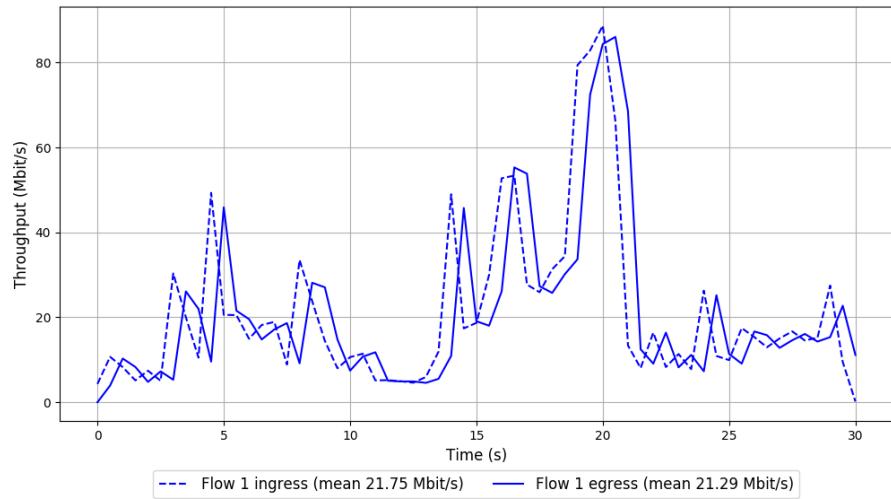


Run 1: Statistics of Copa

```
Start at: 2019-07-12 10:34:00
End at: 2019-07-12 10:34:30
Local clock offset: -1.81 ms
Remote clock offset: -7.727 ms

# Below is generated by plot.py at 2019-07-12 13:26:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 21.29 Mbit/s
95th percentile per-packet one-way delay: 52.409 ms
Loss rate: 2.36%
-- Flow 1:
Average throughput: 21.29 Mbit/s
95th percentile per-packet one-way delay: 52.409 ms
Loss rate: 2.36%
```

Run 1: Report of Copa — Data Link

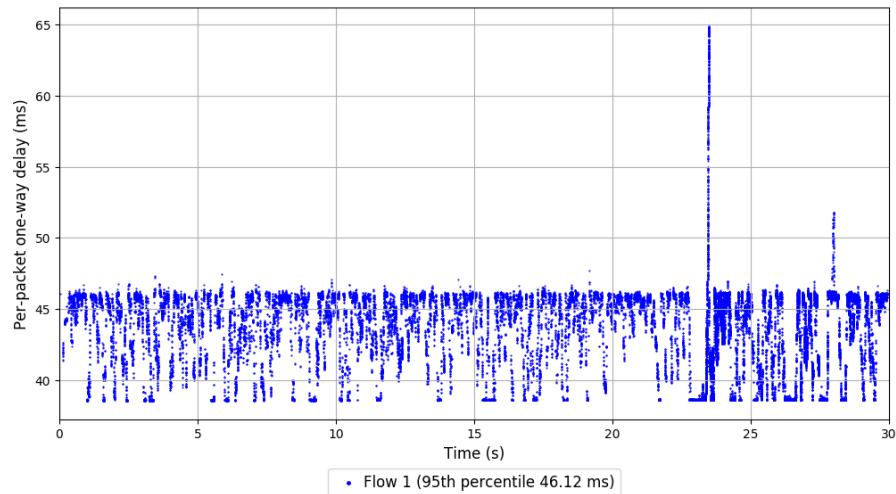
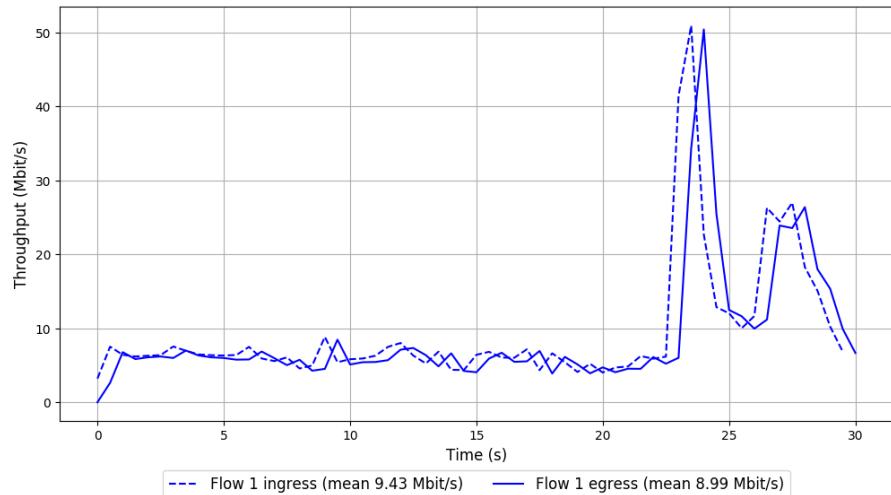


Run 2: Statistics of Copa

```
Start at: 2019-07-12 11:13:55
End at: 2019-07-12 11:14:25
Local clock offset: -2.583 ms
Remote clock offset: -5.648 ms

# Below is generated by plot.py at 2019-07-12 13:26:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.99 Mbit/s
95th percentile per-packet one-way delay: 46.117 ms
Loss rate: 4.92%
-- Flow 1:
Average throughput: 8.99 Mbit/s
95th percentile per-packet one-way delay: 46.117 ms
Loss rate: 4.92%
```

Run 2: Report of Copa — Data Link

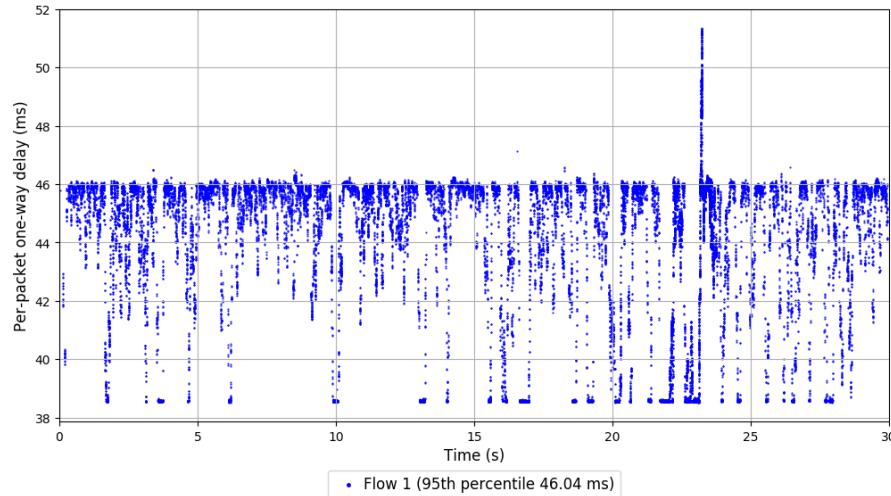
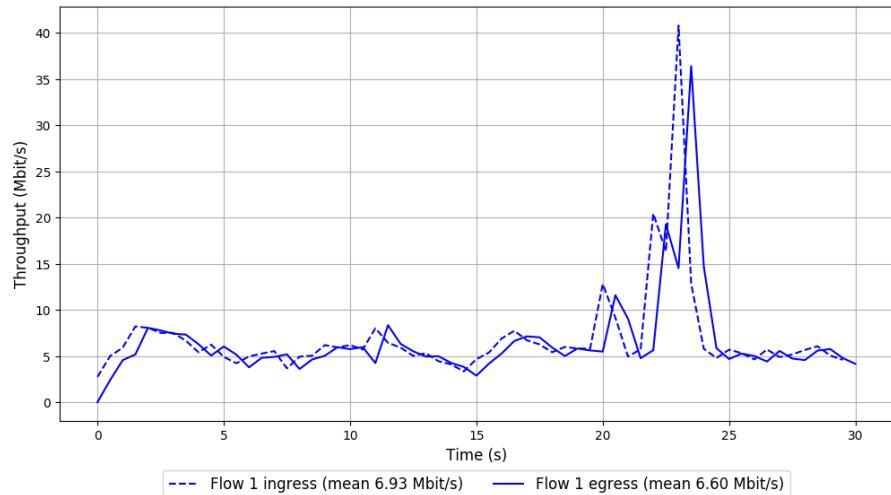


Run 3: Statistics of Copa

```
Start at: 2019-07-12 11:54:48
End at: 2019-07-12 11:55:18
Local clock offset: -3.229 ms
Remote clock offset: -5.201 ms

# Below is generated by plot.py at 2019-07-12 13:26:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.60 Mbit/s
95th percentile per-packet one-way delay: 46.044 ms
Loss rate: 5.04%
-- Flow 1:
Average throughput: 6.60 Mbit/s
95th percentile per-packet one-way delay: 46.044 ms
Loss rate: 5.04%
```

Run 3: Report of Copa — Data Link

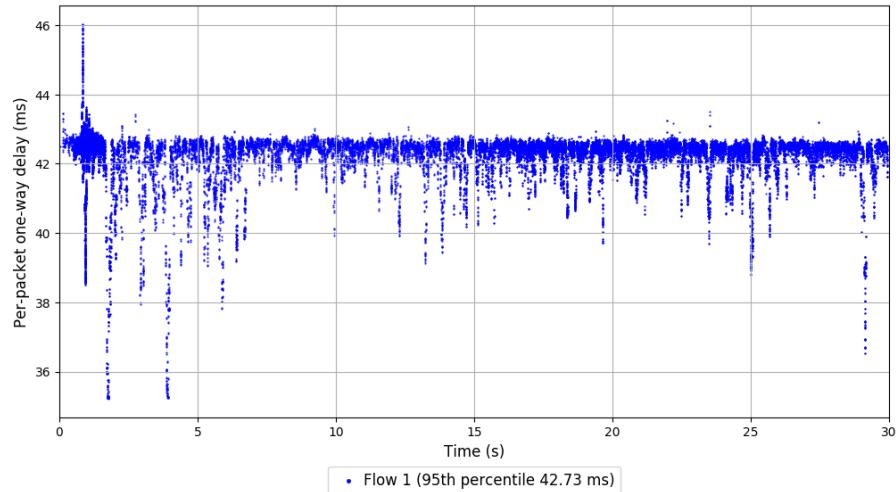
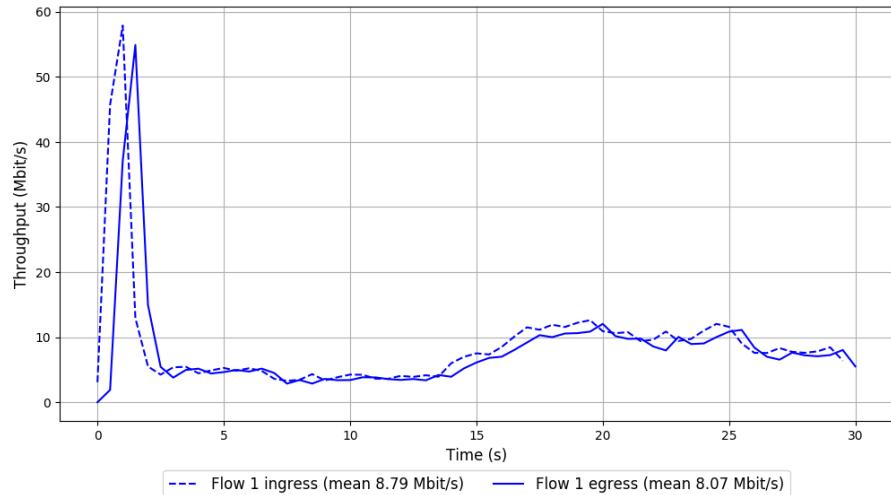


Run 4: Statistics of Copa

```
Start at: 2019-07-12 12:35:42
End at: 2019-07-12 12:36:12
Local clock offset: -0.997 ms
Remote clock offset: -2.265 ms

# Below is generated by plot.py at 2019-07-12 13:26:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.07 Mbit/s
95th percentile per-packet one-way delay: 42.729 ms
Loss rate: 8.31%
-- Flow 1:
Average throughput: 8.07 Mbit/s
95th percentile per-packet one-way delay: 42.729 ms
Loss rate: 8.31%
```

Run 4: Report of Copa — Data Link

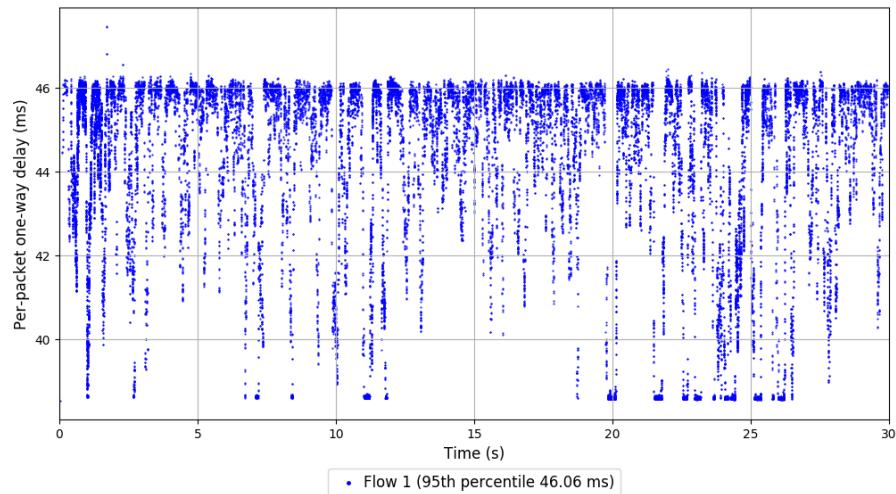
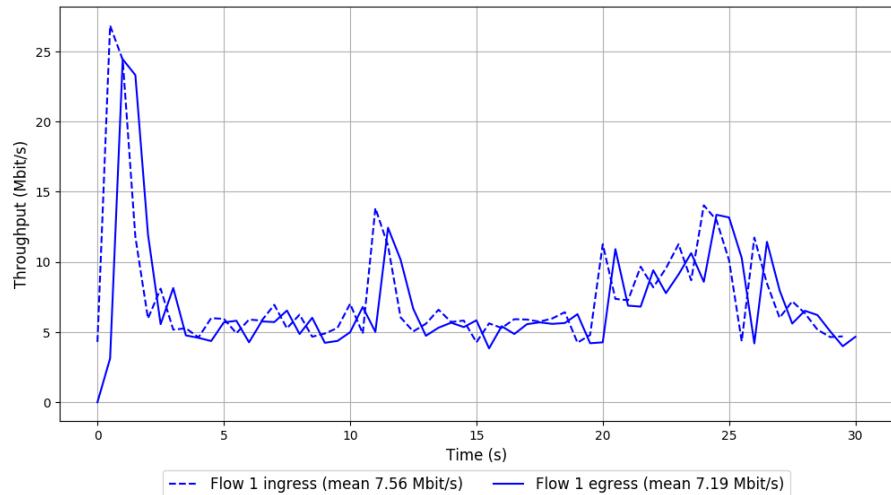


Run 5: Statistics of Copa

```
Start at: 2019-07-12 13:19:16
End at: 2019-07-12 13:19:46
Local clock offset: 4.135 ms
Remote clock offset: -7.336 ms

# Below is generated by plot.py at 2019-07-12 13:26:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 46.061 ms
Loss rate: 5.03%
-- Flow 1:
Average throughput: 7.19 Mbit/s
95th percentile per-packet one-way delay: 46.061 ms
Loss rate: 5.03%
```

Run 5: Report of Copa — Data Link

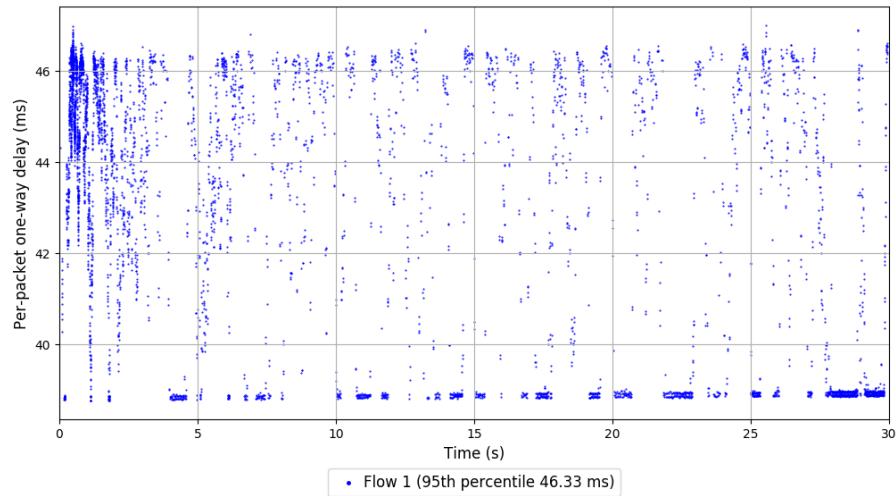
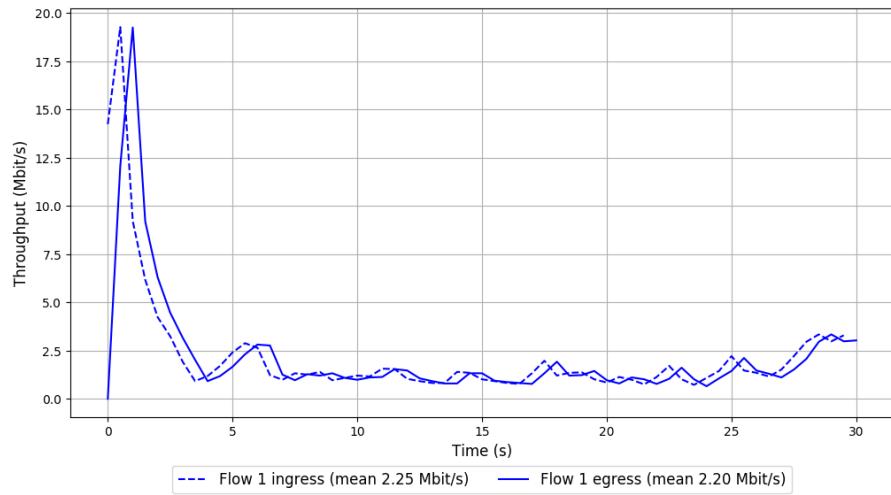


Run 1: Statistics of TCP Cubic

```
Start at: 2019-07-12 10:06:28
End at: 2019-07-12 10:06:58
Local clock offset: -1.484 ms
Remote clock offset: -9.169 ms

# Below is generated by plot.py at 2019-07-12 13:26:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 46.331 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 2.20 Mbit/s
95th percentile per-packet one-way delay: 46.331 ms
Loss rate: 2.65%
```

Run 1: Report of TCP Cubic — Data Link

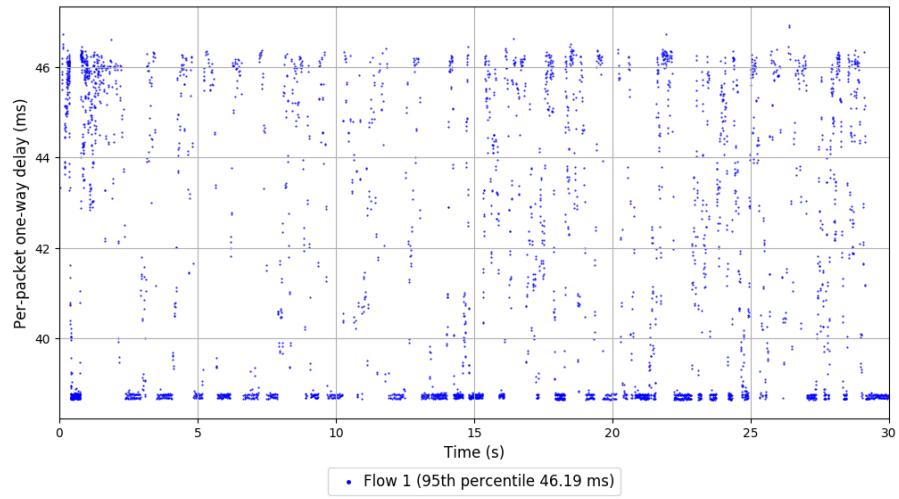
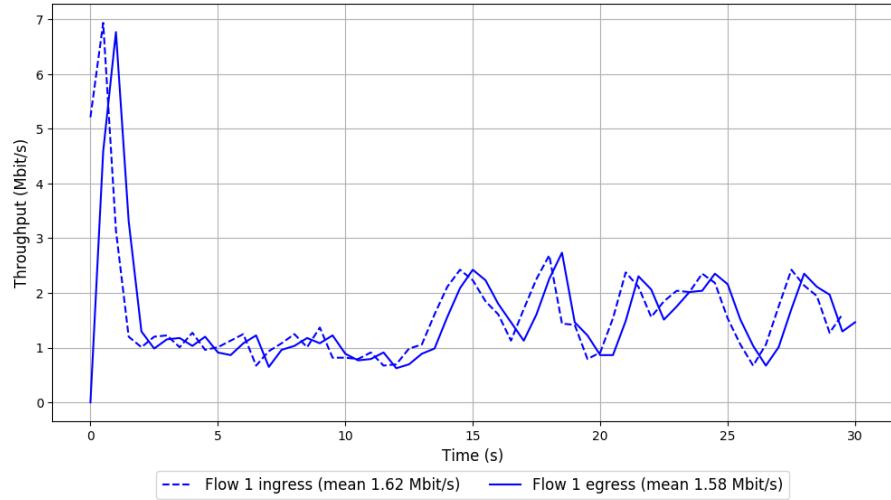


Run 2: Statistics of TCP Cubic

```
Start at: 2019-07-12 10:42:03
End at: 2019-07-12 10:42:33
Local clock offset: -0.405 ms
Remote clock offset: -7.199 ms

# Below is generated by plot.py at 2019-07-12 13:26:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 46.194 ms
Loss rate: 2.54%
-- Flow 1:
Average throughput: 1.58 Mbit/s
95th percentile per-packet one-way delay: 46.194 ms
Loss rate: 2.54%
```

Run 2: Report of TCP Cubic — Data Link

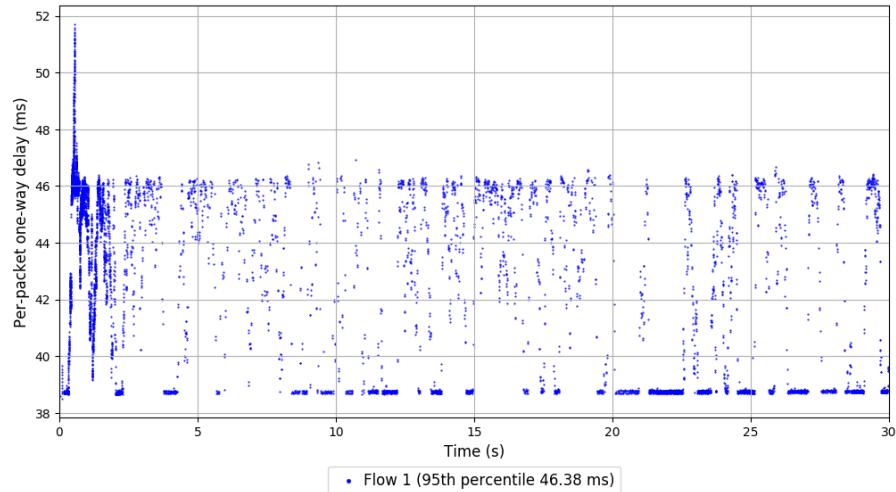
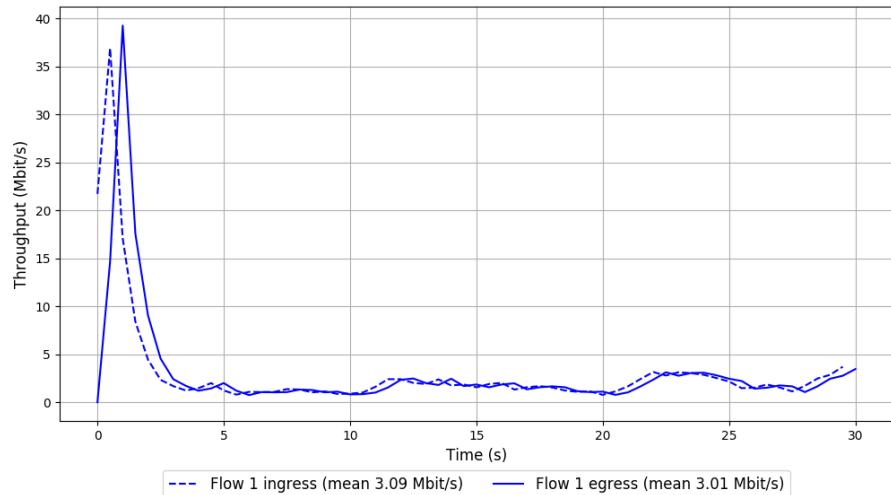


Run 3: Statistics of TCP Cubic

```
Start at: 2019-07-12 11:22:44
End at: 2019-07-12 11:23:14
Local clock offset: -3.123 ms
Remote clock offset: -5.461 ms

# Below is generated by plot.py at 2019-07-12 13:26:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 46.380 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 3.01 Mbit/s
95th percentile per-packet one-way delay: 46.380 ms
Loss rate: 2.67%
```

Run 3: Report of TCP Cubic — Data Link

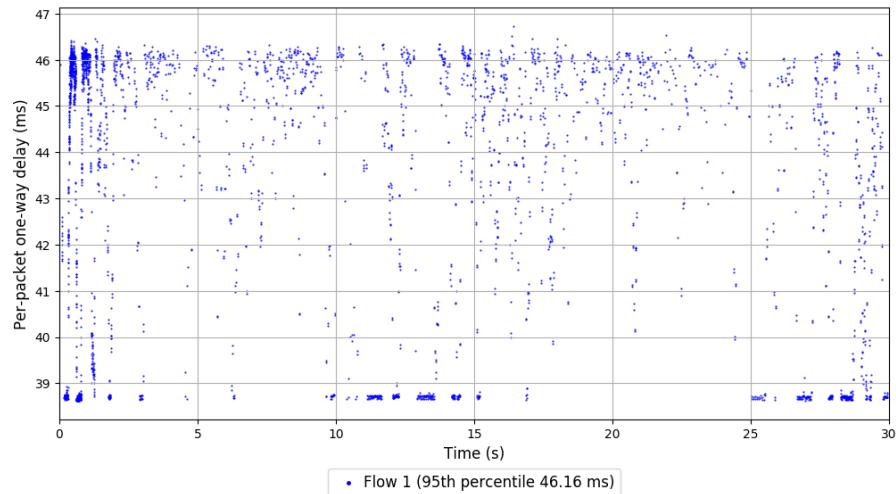
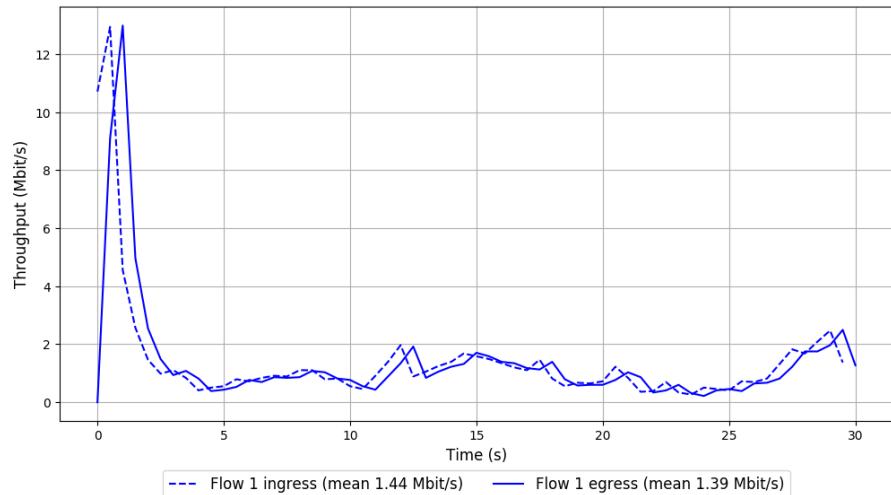


Run 4: Statistics of TCP Cubic

```
Start at: 2019-07-12 12:03:24
End at: 2019-07-12 12:03:54
Local clock offset: -3.116 ms
Remote clock offset: -5.241 ms

# Below is generated by plot.py at 2019-07-12 13:26:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 46.155 ms
Loss rate: 3.43%
-- Flow 1:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 46.155 ms
Loss rate: 3.43%
```

Run 4: Report of TCP Cubic — Data Link

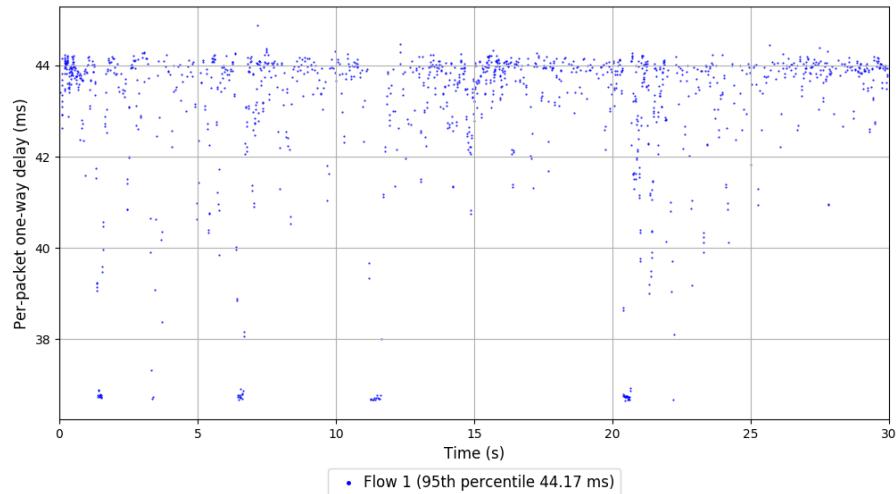
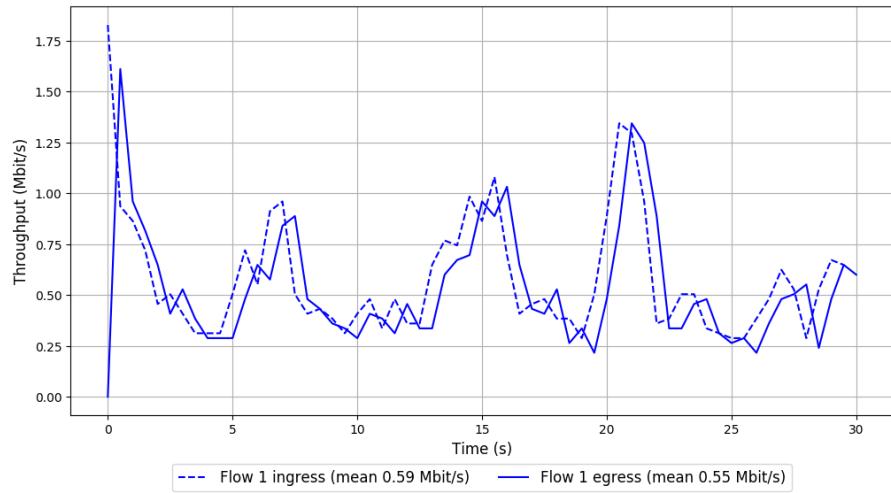


Run 5: Statistics of TCP Cubic

```
Start at: 2019-07-12 12:45:18
End at: 2019-07-12 12:45:48
Local clock offset: 0.306 ms
Remote clock offset: -3.975 ms

# Below is generated by plot.py at 2019-07-12 13:26:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 44.166 ms
Loss rate: 6.43%
-- Flow 1:
Average throughput: 0.55 Mbit/s
95th percentile per-packet one-way delay: 44.166 ms
Loss rate: 6.43%
```

Run 5: Report of TCP Cubic — Data Link

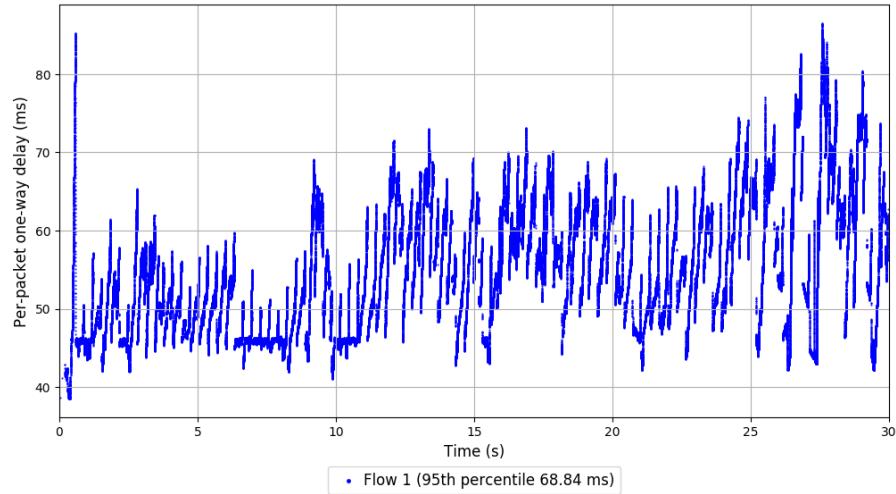
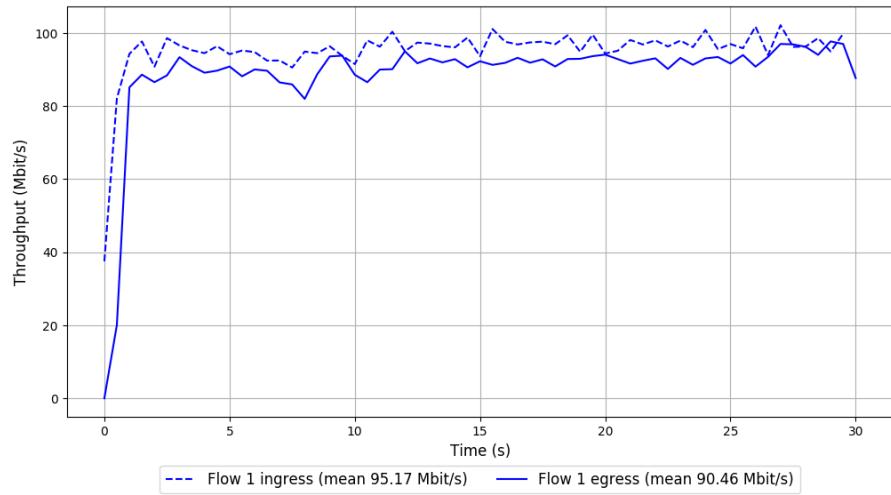


```
Run 1: Statistics of FillP
```

```
Start at: 2019-07-12 10:16:26
End at: 2019-07-12 10:16:56
Local clock offset: -2.798 ms
Remote clock offset: -8.709 ms

# Below is generated by plot.py at 2019-07-12 13:26:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 68.837 ms
Loss rate: 5.15%
-- Flow 1:
Average throughput: 90.46 Mbit/s
95th percentile per-packet one-way delay: 68.837 ms
Loss rate: 5.15%
```

Run 1: Report of FillP — Data Link

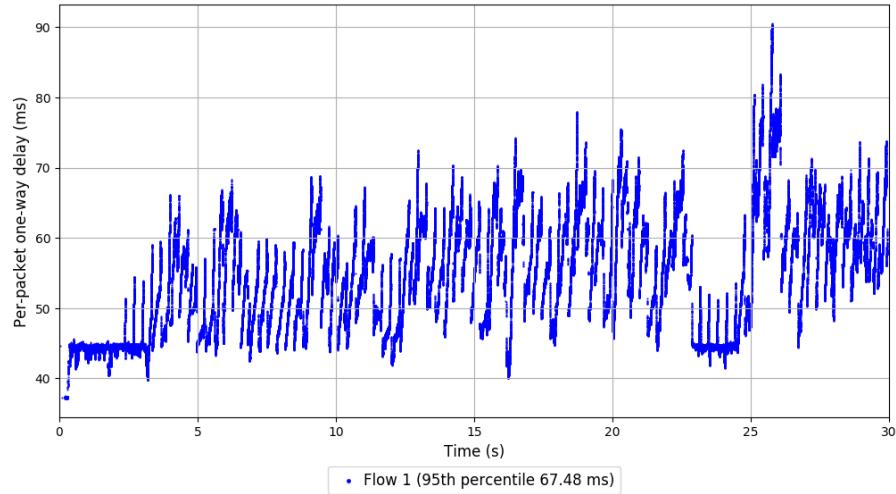
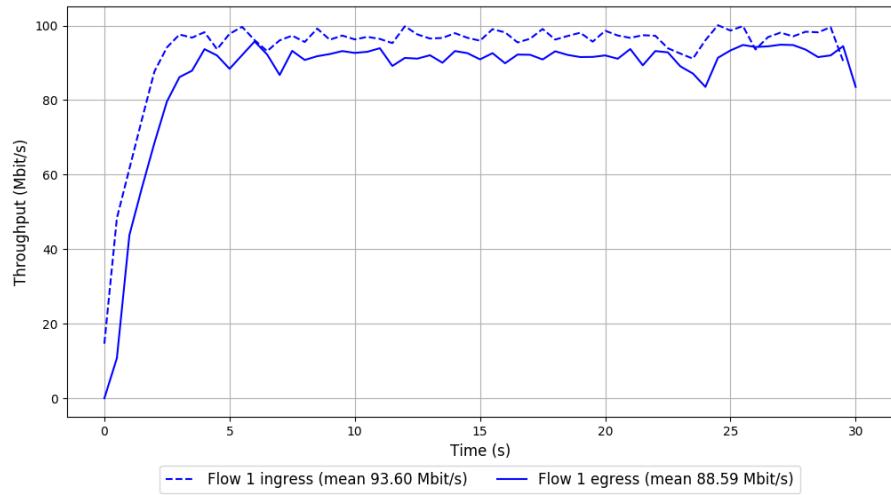


Run 2: Statistics of FillP

```
Start at: 2019-07-12 10:52:26
End at: 2019-07-12 10:52:56
Local clock offset: 0.358 ms
Remote clock offset: -5.05 ms

# Below is generated by plot.py at 2019-07-12 13:26:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.59 Mbit/s
95th percentile per-packet one-way delay: 67.481 ms
Loss rate: 5.58%
-- Flow 1:
Average throughput: 88.59 Mbit/s
95th percentile per-packet one-way delay: 67.481 ms
Loss rate: 5.58%
```

Run 2: Report of FillP — Data Link

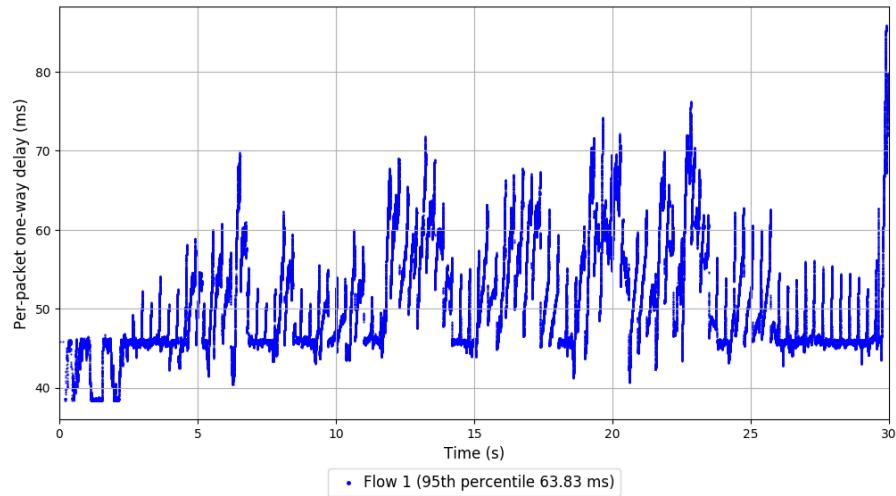
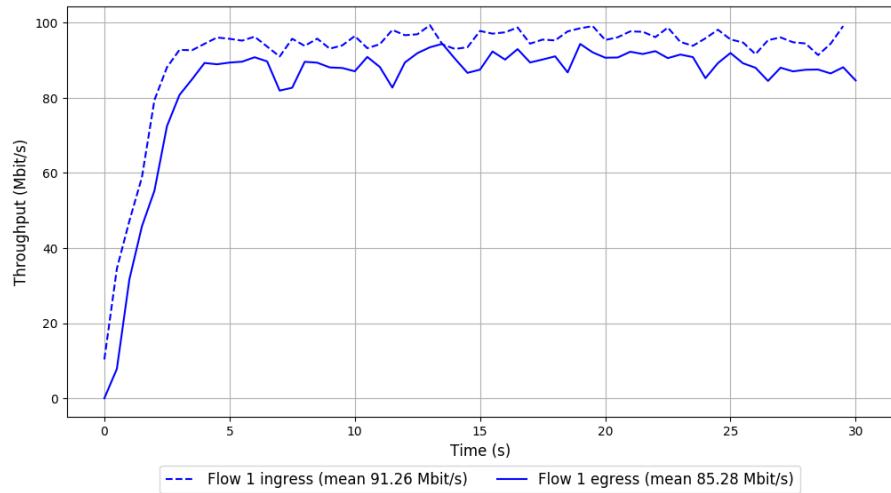


Run 3: Statistics of FillP

```
Start at: 2019-07-12 11:32:51
End at: 2019-07-12 11:33:21
Local clock offset: -3.234 ms
Remote clock offset: -5.21 ms

# Below is generated by plot.py at 2019-07-12 13:26:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.28 Mbit/s
95th percentile per-packet one-way delay: 63.826 ms
Loss rate: 6.78%
-- Flow 1:
Average throughput: 85.28 Mbit/s
95th percentile per-packet one-way delay: 63.826 ms
Loss rate: 6.78%
```

Run 3: Report of FillP — Data Link

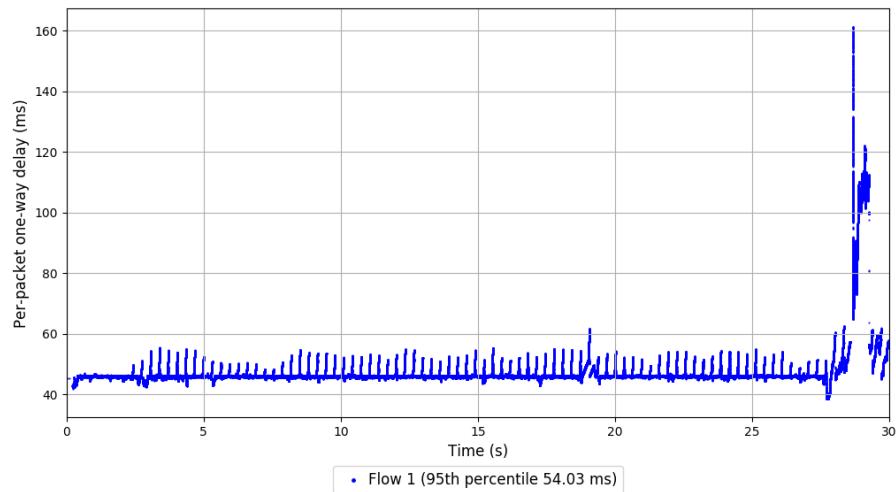
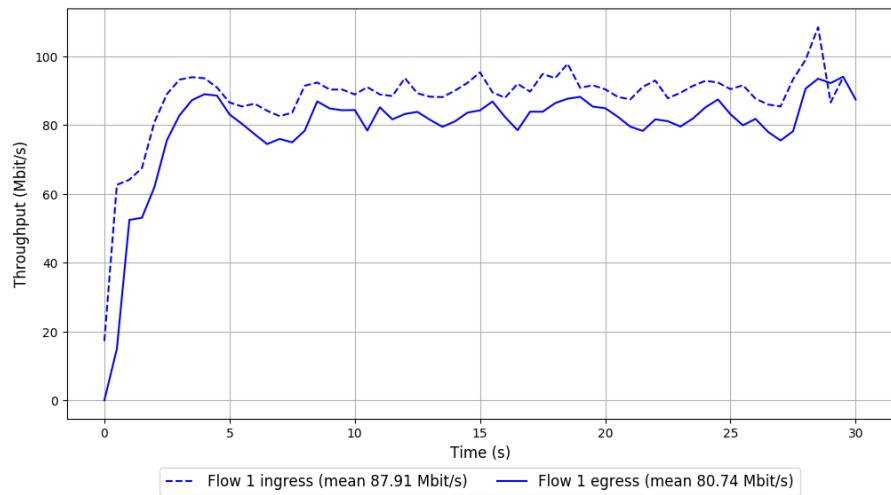


Run 4: Statistics of FillP

```
Start at: 2019-07-12 12:13:02
End at: 2019-07-12 12:13:32
Local clock offset: -2.949 ms
Remote clock offset: -5.273 ms

# Below is generated by plot.py at 2019-07-12 13:27:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.74 Mbit/s
95th percentile per-packet one-way delay: 54.032 ms
Loss rate: 8.37%
-- Flow 1:
Average throughput: 80.74 Mbit/s
95th percentile per-packet one-way delay: 54.032 ms
Loss rate: 8.37%
```

Run 4: Report of FillP — Data Link

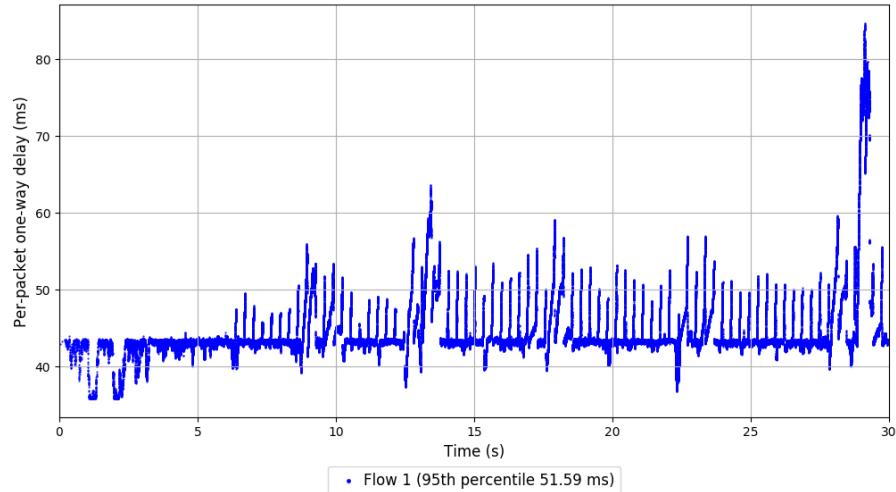
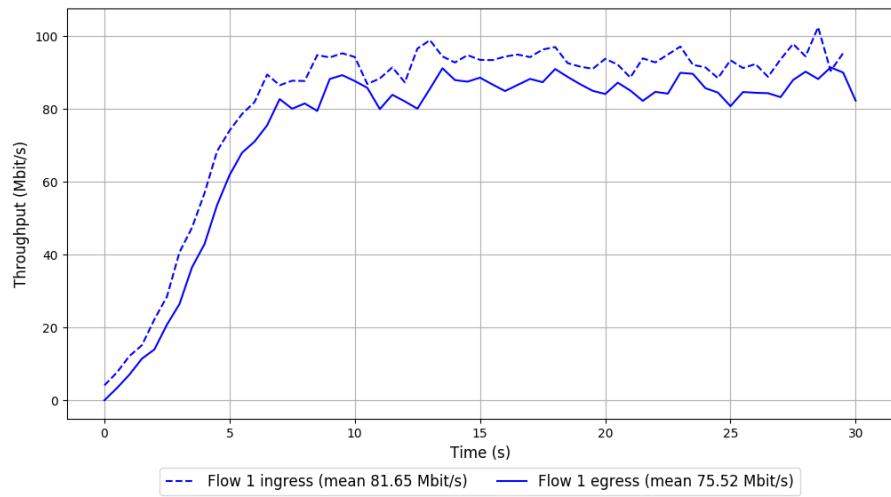


Run 5: Statistics of FillP

```
Start at: 2019-07-12 12:56:18
End at: 2019-07-12 12:56:48
Local clock offset: 1.086 ms
Remote clock offset: -3.889 ms

# Below is generated by plot.py at 2019-07-12 13:27:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.52 Mbit/s
95th percentile per-packet one-way delay: 51.594 ms
Loss rate: 7.73%
-- Flow 1:
Average throughput: 75.52 Mbit/s
95th percentile per-packet one-way delay: 51.594 ms
Loss rate: 7.73%
```

Run 5: Report of FillP — Data Link

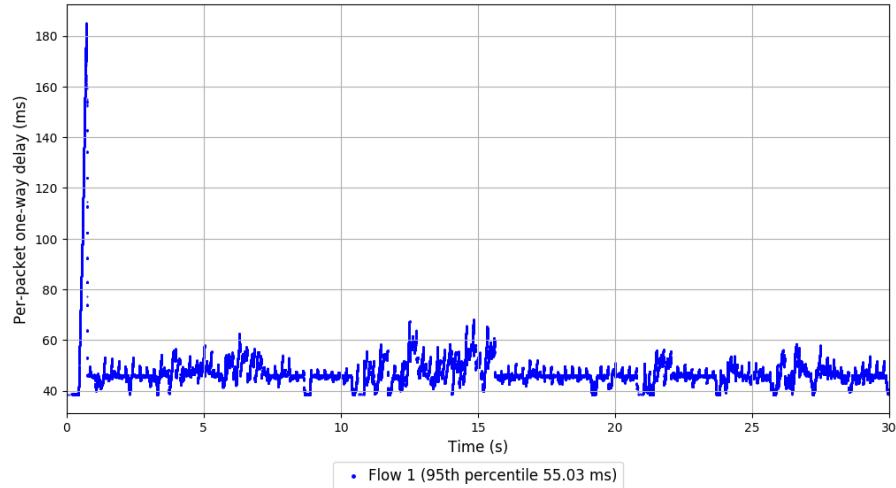
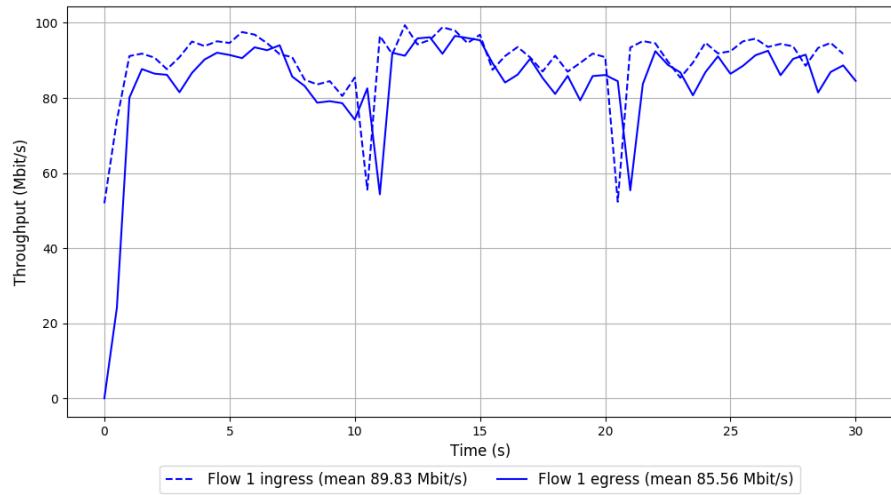


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-07-12 10:36:49
End at: 2019-07-12 10:37:19
Local clock offset: -1.228 ms
Remote clock offset: -7.544 ms

# Below is generated by plot.py at 2019-07-12 13:27:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.56 Mbit/s
95th percentile per-packet one-way delay: 55.027 ms
Loss rate: 4.96%
-- Flow 1:
Average throughput: 85.56 Mbit/s
95th percentile per-packet one-way delay: 55.027 ms
Loss rate: 4.96%
```

Run 1: Report of FillP-Sheep — Data Link

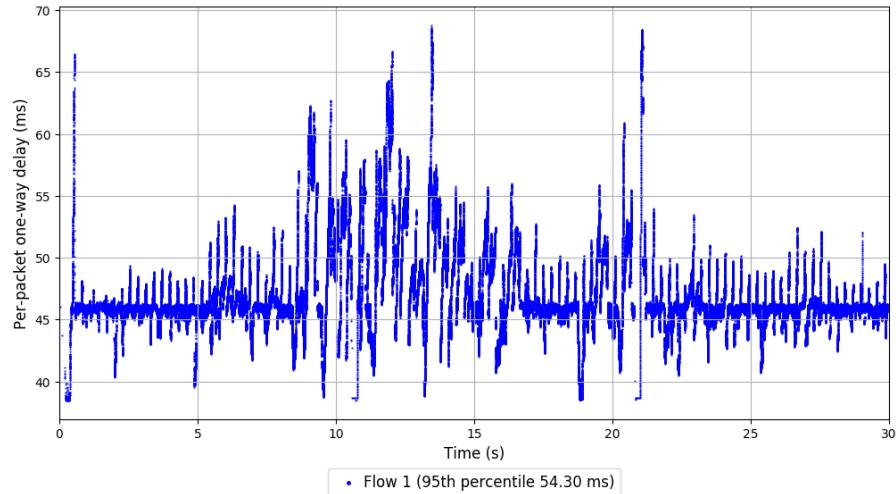
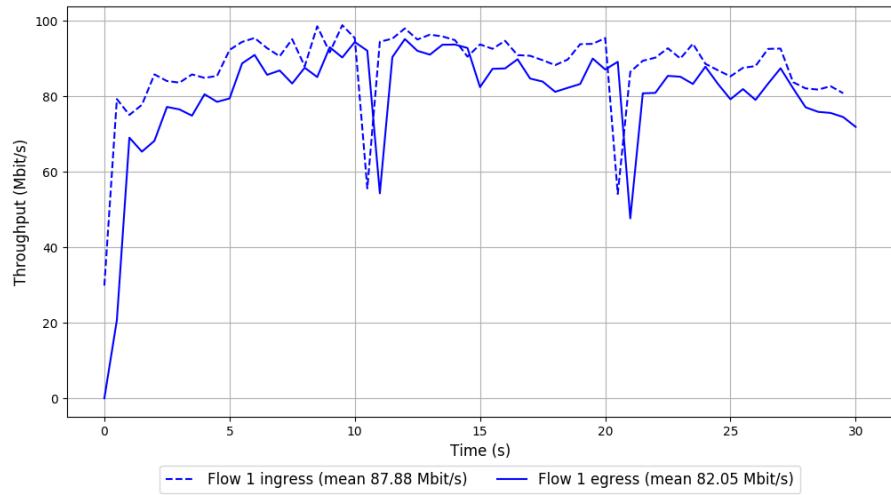


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-07-12 11:17:04
End at: 2019-07-12 11:17:34
Local clock offset: -2.81 ms
Remote clock offset: -5.579 ms

# Below is generated by plot.py at 2019-07-12 13:27:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.05 Mbit/s
95th percentile per-packet one-way delay: 54.298 ms
Loss rate: 6.86%
-- Flow 1:
Average throughput: 82.05 Mbit/s
95th percentile per-packet one-way delay: 54.298 ms
Loss rate: 6.86%
```

Run 2: Report of FillP-Sheep — Data Link

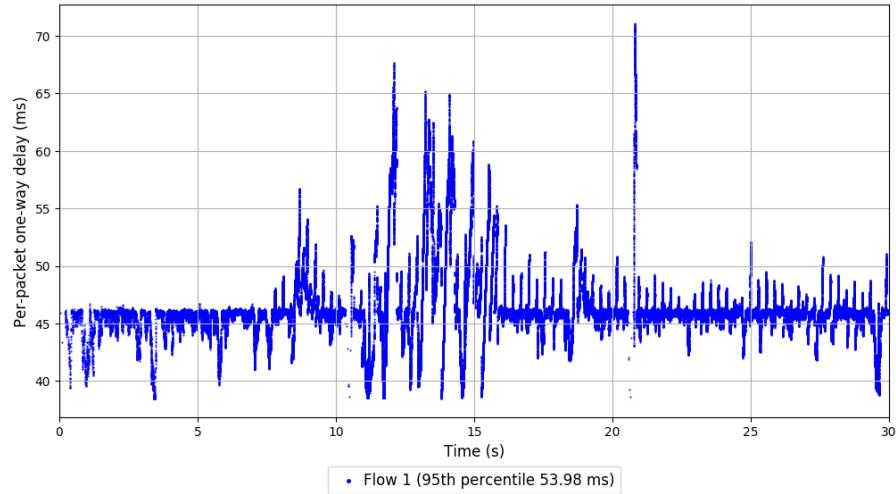
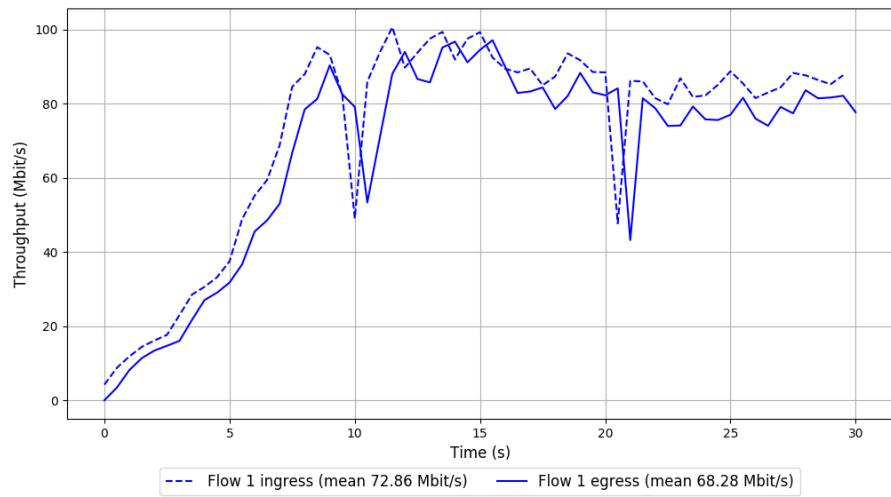


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-07-12 11:57:38
End at: 2019-07-12 11:58:08
Local clock offset: -3.281 ms
Remote clock offset: -5.209 ms

# Below is generated by plot.py at 2019-07-12 13:27:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.28 Mbit/s
95th percentile per-packet one-way delay: 53.977 ms
Loss rate: 6.52%
-- Flow 1:
Average throughput: 68.28 Mbit/s
95th percentile per-packet one-way delay: 53.977 ms
Loss rate: 6.52%
```

Run 3: Report of FillP-Sheep — Data Link

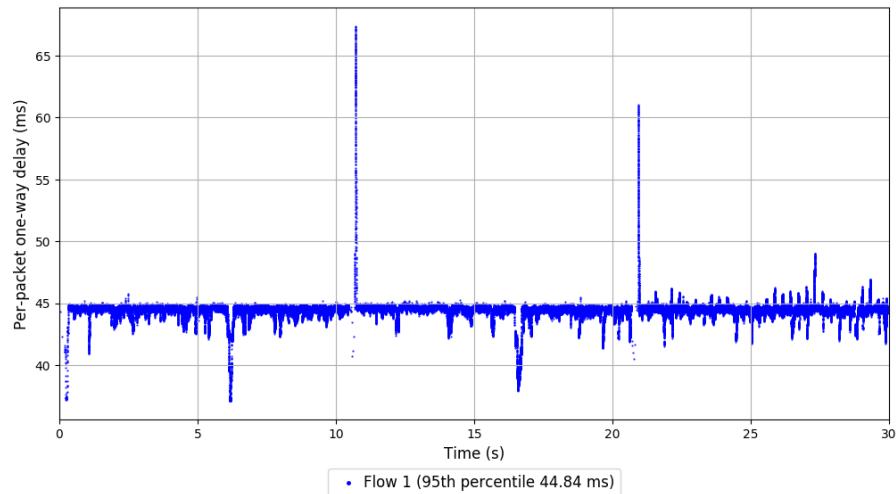
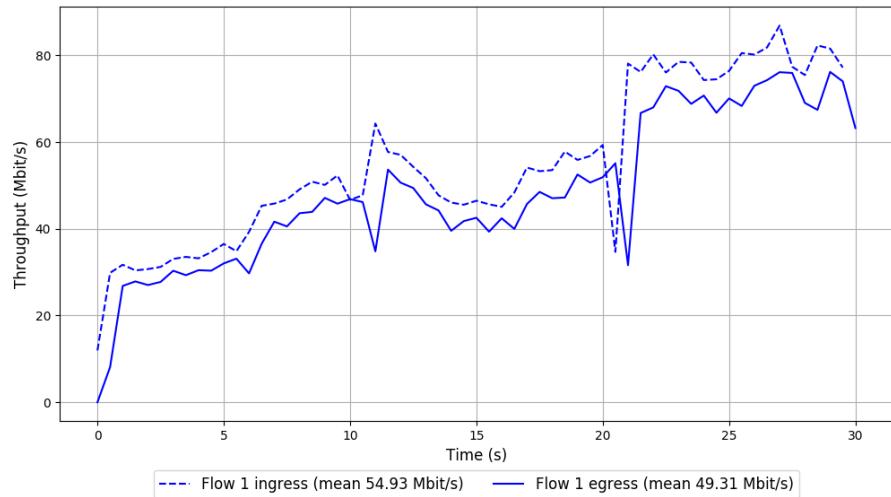


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-07-12 12:38:43
End at: 2019-07-12 12:39:13
Local clock offset: -0.474 ms
Remote clock offset: -4.392 ms

# Below is generated by plot.py at 2019-07-12 13:27:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.31 Mbit/s
95th percentile per-packet one-way delay: 44.837 ms
Loss rate: 10.44%
-- Flow 1:
Average throughput: 49.31 Mbit/s
95th percentile per-packet one-way delay: 44.837 ms
Loss rate: 10.44%
```

Run 4: Report of FillP-Sheep — Data Link

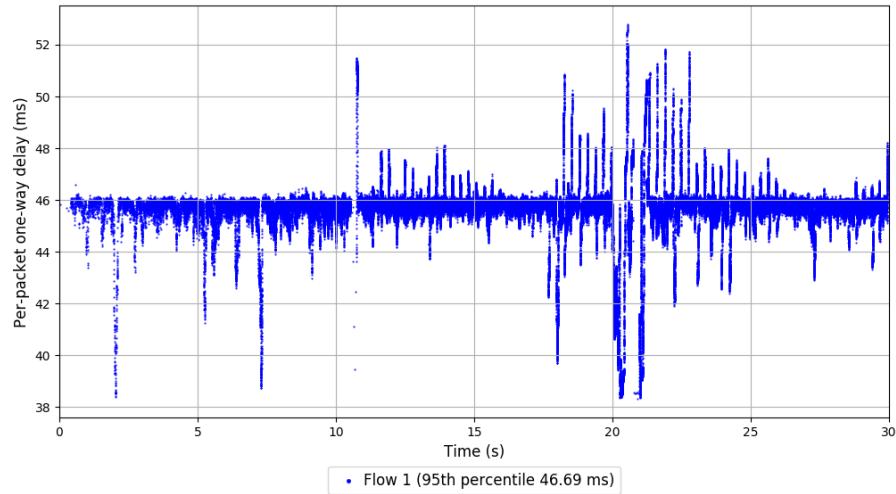
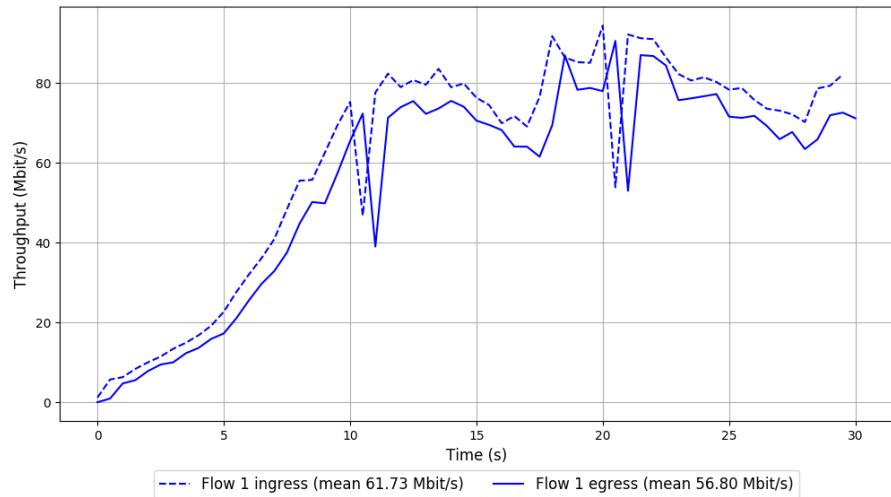


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-07-12 13:22:13
End at: 2019-07-12 13:22:43
Local clock offset: 4.399 ms
Remote clock offset: -7.274 ms

# Below is generated by plot.py at 2019-07-12 13:27:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.80 Mbit/s
95th percentile per-packet one-way delay: 46.693 ms
Loss rate: 8.24%
-- Flow 1:
Average throughput: 56.80 Mbit/s
95th percentile per-packet one-way delay: 46.693 ms
Loss rate: 8.24%
```

Run 5: Report of FillP-Sheep — Data Link

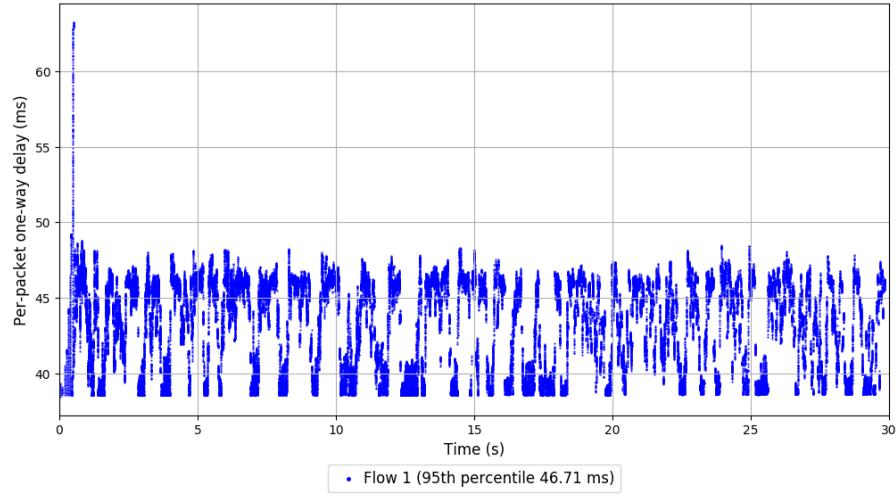
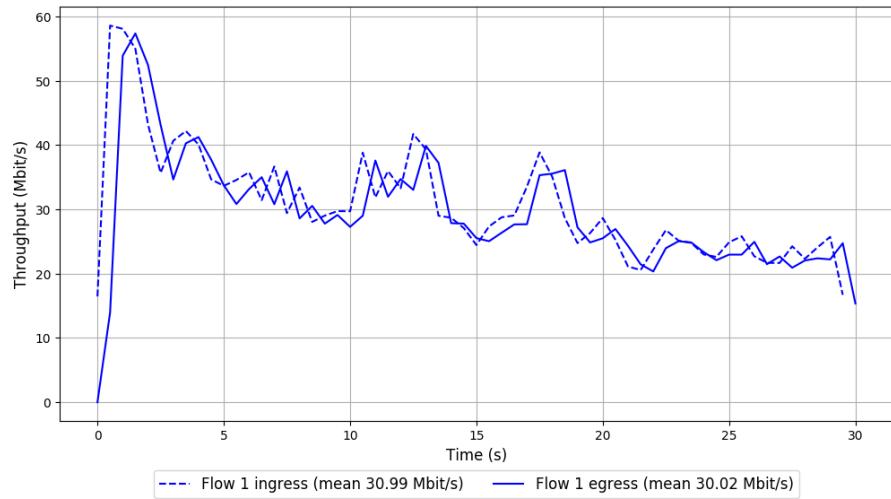


Run 1: Statistics of Indigo

```
Start at: 2019-07-12 10:21:33
End at: 2019-07-12 10:22:03
Local clock offset: -3.156 ms
Remote clock offset: -8.148 ms

# Below is generated by plot.py at 2019-07-12 13:27:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.02 Mbit/s
95th percentile per-packet one-way delay: 46.711 ms
Loss rate: 3.33%
-- Flow 1:
Average throughput: 30.02 Mbit/s
95th percentile per-packet one-way delay: 46.711 ms
Loss rate: 3.33%
```

Run 1: Report of Indigo — Data Link

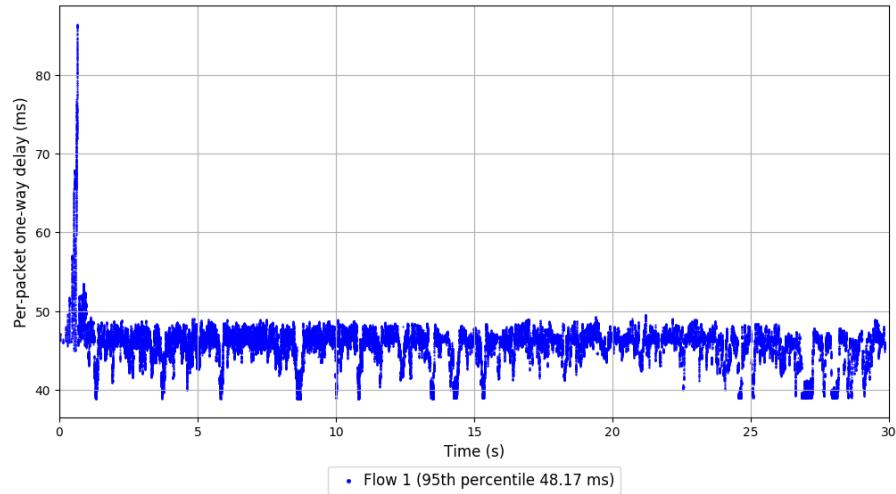
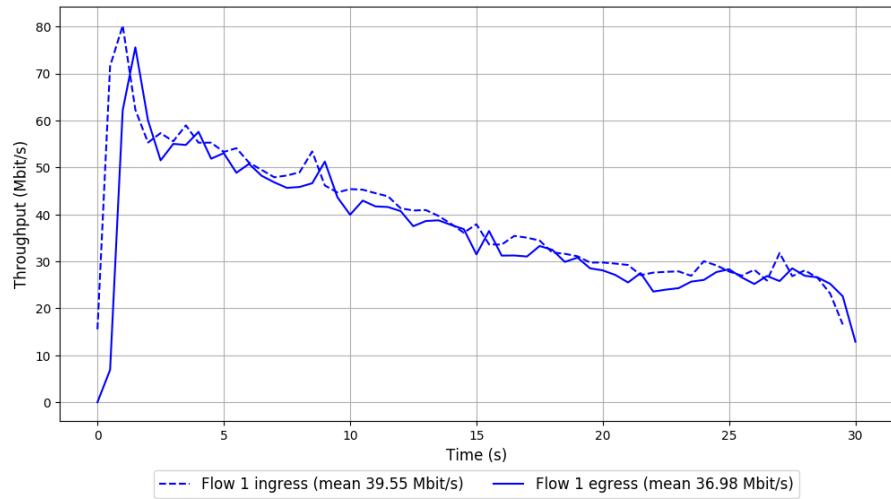


Run 2: Statistics of Indigo

```
Start at: 2019-07-12 10:59:18
End at: 2019-07-12 10:59:48
Local clock offset: 0.477 ms
Remote clock offset: -6.201 ms

# Below is generated by plot.py at 2019-07-12 13:27:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 36.98 Mbit/s
95th percentile per-packet one-way delay: 48.168 ms
Loss rate: 6.68%
-- Flow 1:
Average throughput: 36.98 Mbit/s
95th percentile per-packet one-way delay: 48.168 ms
Loss rate: 6.68%
```

Run 2: Report of Indigo — Data Link

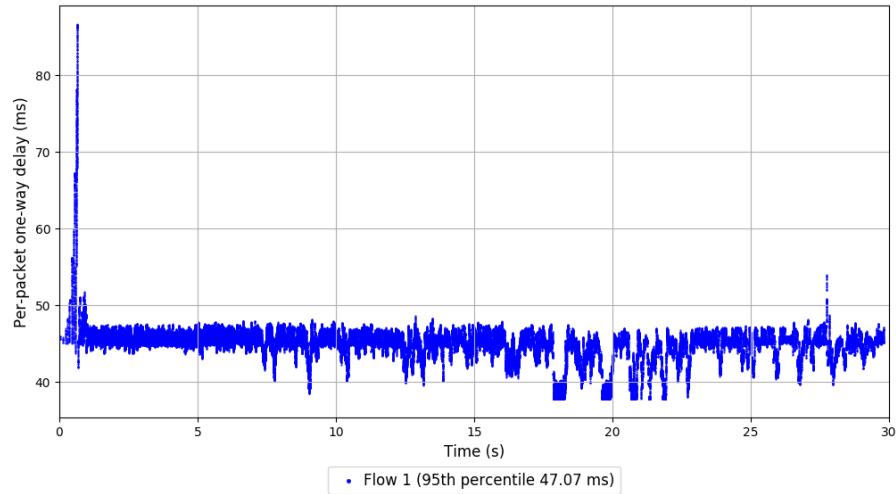
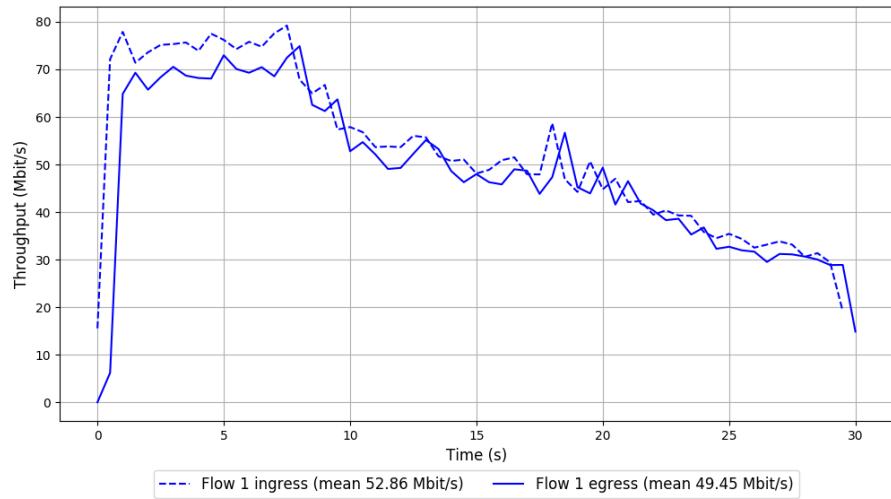


Run 3: Statistics of Indigo

```
Start at: 2019-07-12 11:39:50
End at: 2019-07-12 11:40:20
Local clock offset: -3.157 ms
Remote clock offset: -4.307 ms

# Below is generated by plot.py at 2019-07-12 13:28:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.45 Mbit/s
95th percentile per-packet one-way delay: 47.070 ms
Loss rate: 6.68%
-- Flow 1:
Average throughput: 49.45 Mbit/s
95th percentile per-packet one-way delay: 47.070 ms
Loss rate: 6.68%
```

Run 3: Report of Indigo — Data Link

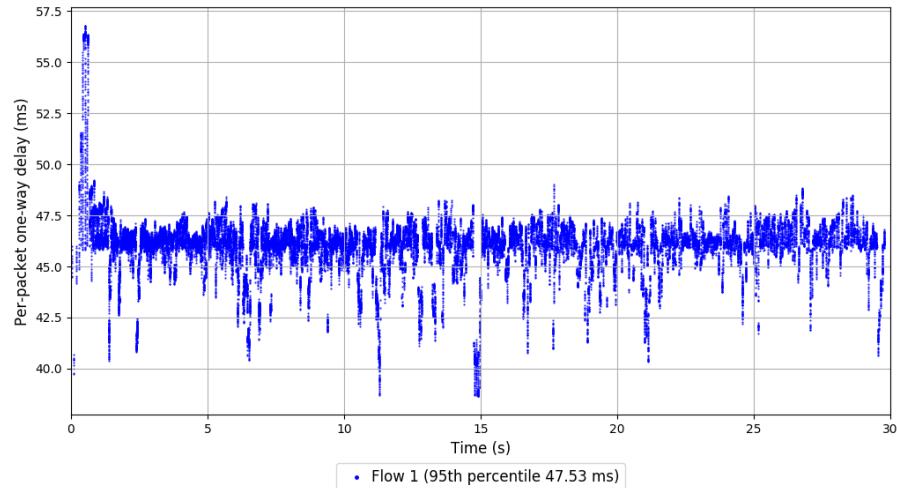
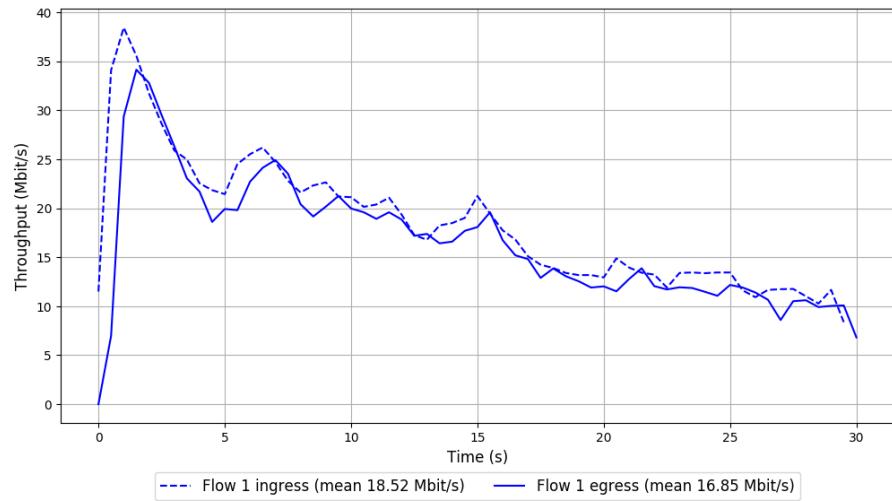


Run 4: Statistics of Indigo

```
Start at: 2019-07-12 12:21:00
End at: 2019-07-12 12:21:30
Local clock offset: -2.96 ms
Remote clock offset: -5.297 ms

# Below is generated by plot.py at 2019-07-12 13:28:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.85 Mbit/s
95th percentile per-packet one-way delay: 47.530 ms
Loss rate: 9.27%
-- Flow 1:
Average throughput: 16.85 Mbit/s
95th percentile per-packet one-way delay: 47.530 ms
Loss rate: 9.27%
```

Run 4: Report of Indigo — Data Link

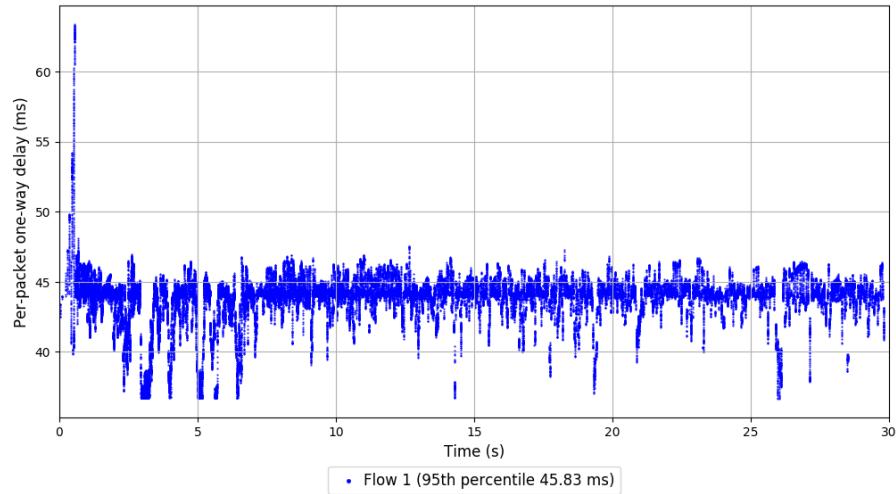
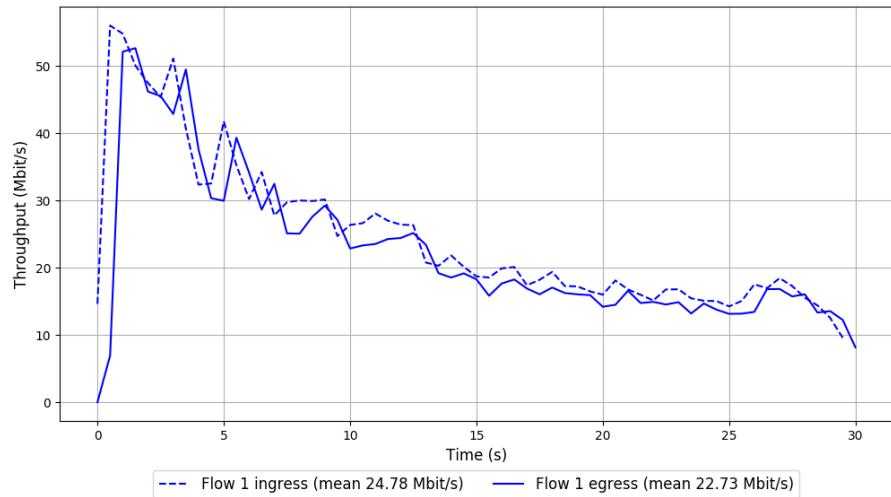


Run 5: Statistics of Indigo

```
Start at: 2019-07-12 13:03:49
End at: 2019-07-12 13:04:19
Local clock offset: 2.27 ms
Remote clock offset: -4.865 ms

# Below is generated by plot.py at 2019-07-12 13:28:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.73 Mbit/s
95th percentile per-packet one-way delay: 45.829 ms
Loss rate: 8.49%
-- Flow 1:
Average throughput: 22.73 Mbit/s
95th percentile per-packet one-way delay: 45.829 ms
Loss rate: 8.49%
```

Run 5: Report of Indigo — Data Link

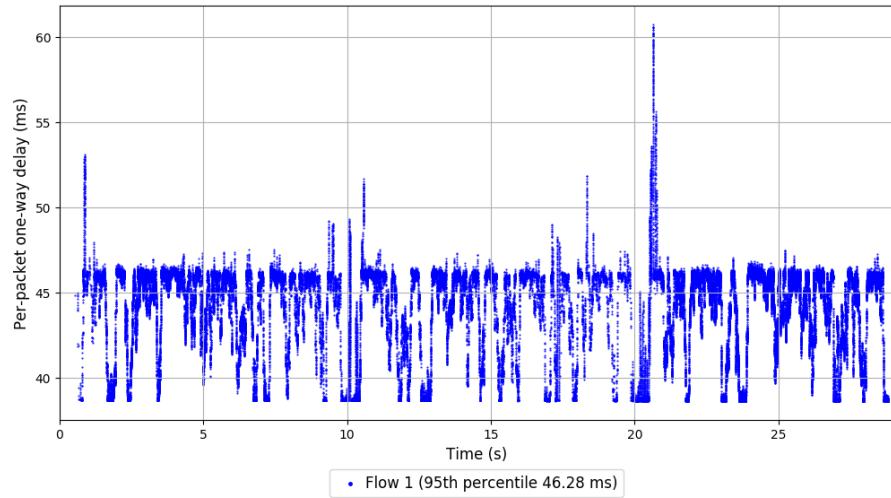
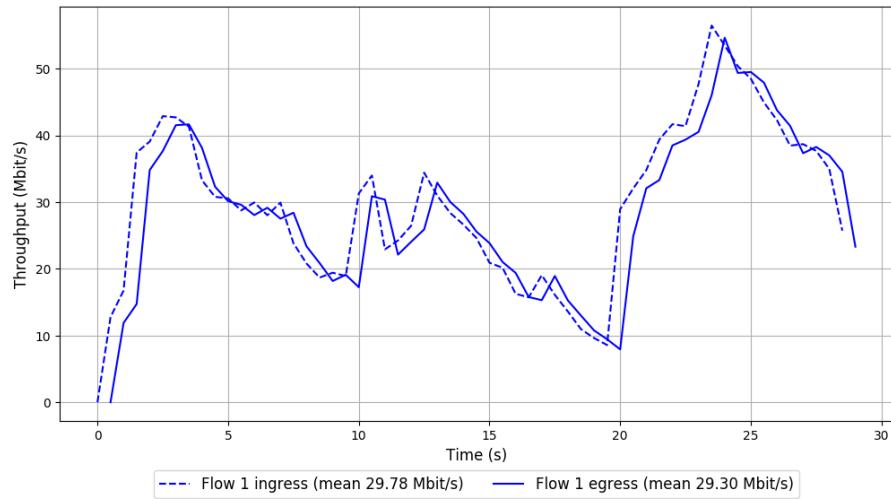


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 10:35:29
End at: 2019-07-12 10:35:59
Local clock offset: -1.435 ms
Remote clock offset: -7.637 ms

# Below is generated by plot.py at 2019-07-12 13:28:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.30 Mbit/s
95th percentile per-packet one-way delay: 46.278 ms
Loss rate: 3.58%
-- Flow 1:
Average throughput: 29.30 Mbit/s
95th percentile per-packet one-way delay: 46.278 ms
Loss rate: 3.58%
```

Run 1: Report of Indigo-MusesC3 — Data Link

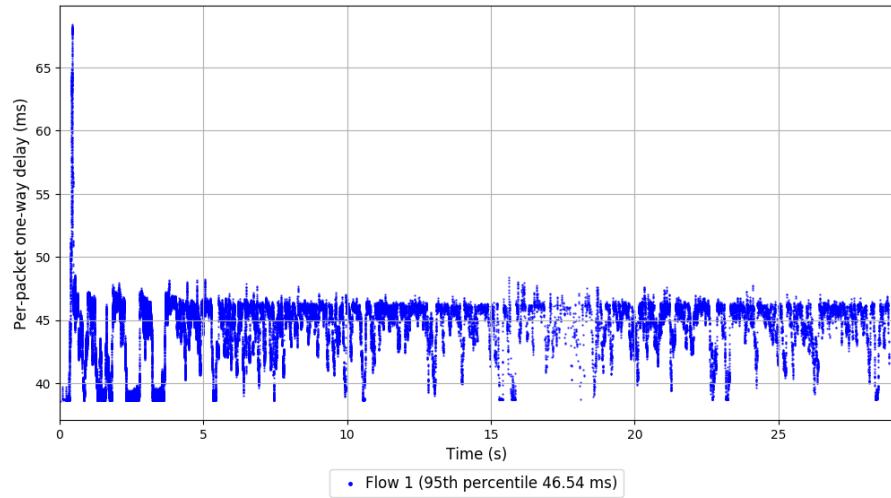
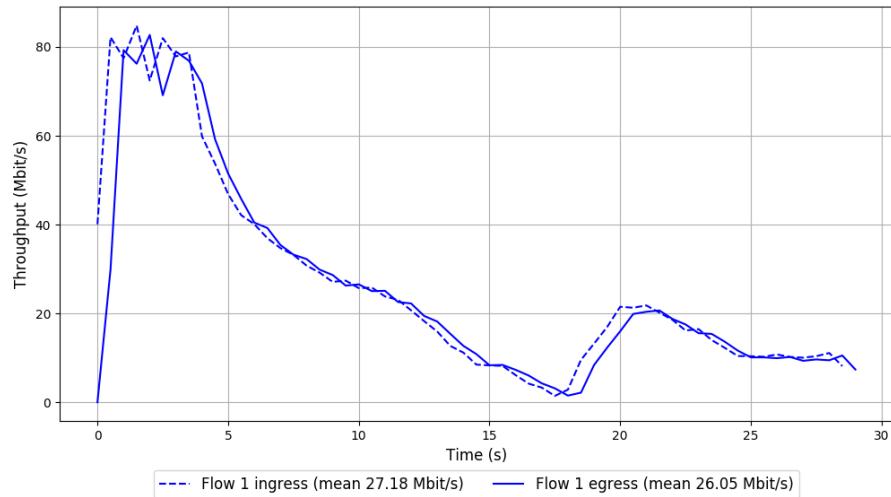


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 11:15:29
End at: 2019-07-12 11:15:59
Local clock offset: -2.697 ms
Remote clock offset: -5.667 ms

# Below is generated by plot.py at 2019-07-12 13:28:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.05 Mbit/s
95th percentile per-packet one-way delay: 46.536 ms
Loss rate: 4.36%
-- Flow 1:
Average throughput: 26.05 Mbit/s
95th percentile per-packet one-way delay: 46.536 ms
Loss rate: 4.36%
```

Run 2: Report of Indigo-MusesC3 — Data Link

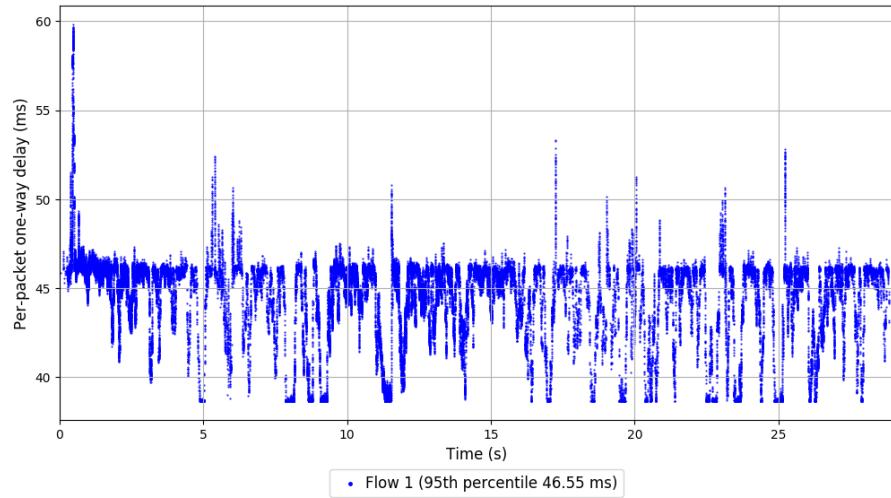
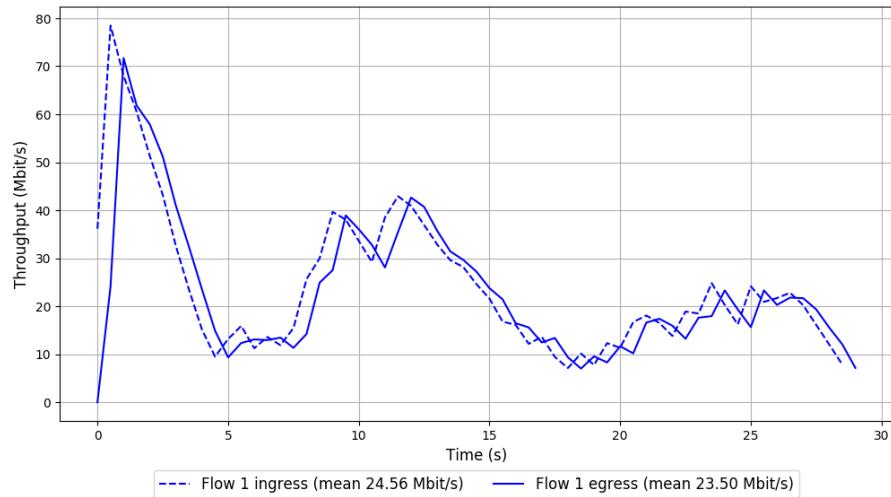


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 11:56:08
End at: 2019-07-12 11:56:38
Local clock offset: -3.269 ms
Remote clock offset: -5.272 ms

# Below is generated by plot.py at 2019-07-12 13:28:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.50 Mbit/s
95th percentile per-packet one-way delay: 46.549 ms
Loss rate: 4.56%
-- Flow 1:
Average throughput: 23.50 Mbit/s
95th percentile per-packet one-way delay: 46.549 ms
Loss rate: 4.56%
```

Run 3: Report of Indigo-MusesC3 — Data Link

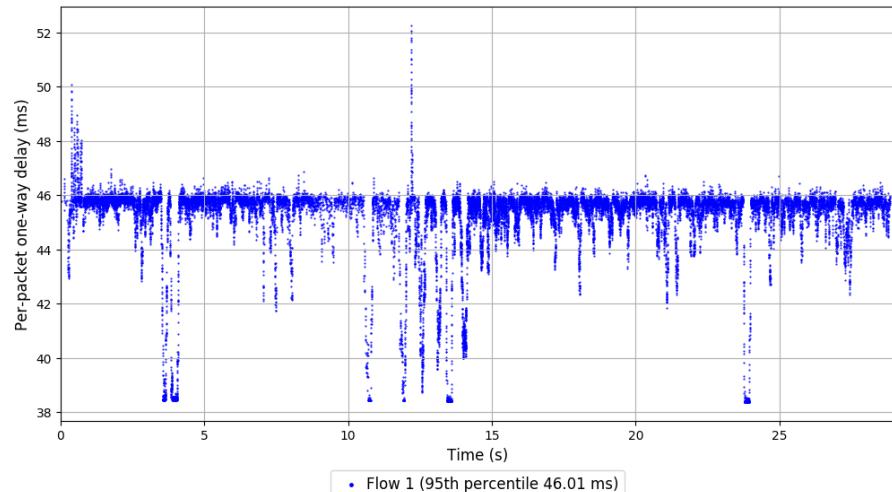
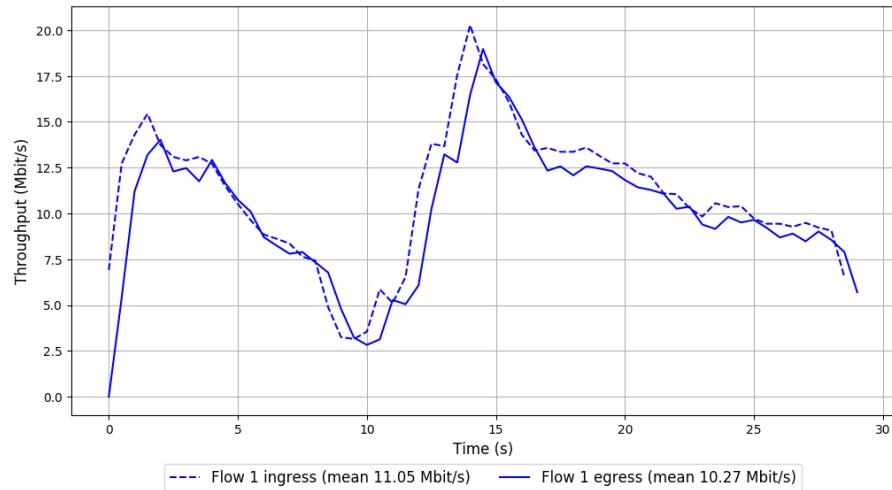


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 12:37:17
End at: 2019-07-12 12:37:47
Local clock offset: -0.736 ms
Remote clock offset: -5.598 ms

# Below is generated by plot.py at 2019-07-12 13:28:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 46.013 ms
Loss rate: 7.33%
-- Flow 1:
Average throughput: 10.27 Mbit/s
95th percentile per-packet one-way delay: 46.013 ms
Loss rate: 7.33%
```

Run 4: Report of Indigo-MusesC3 — Data Link

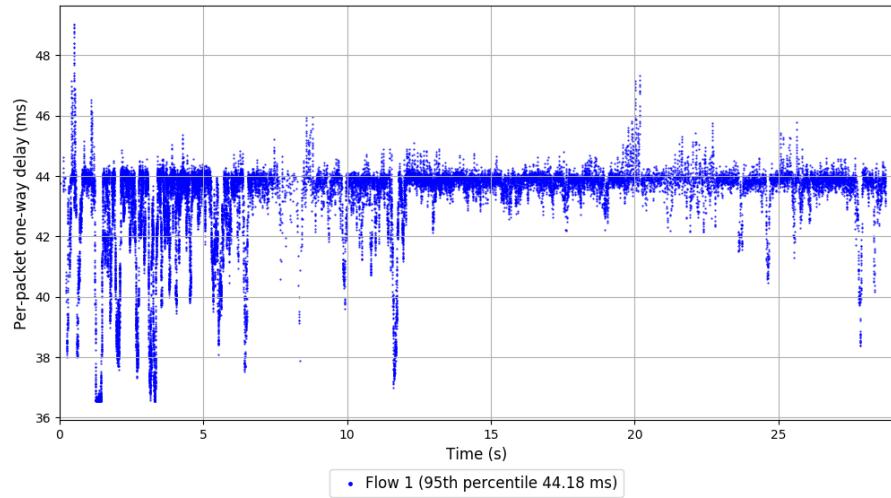
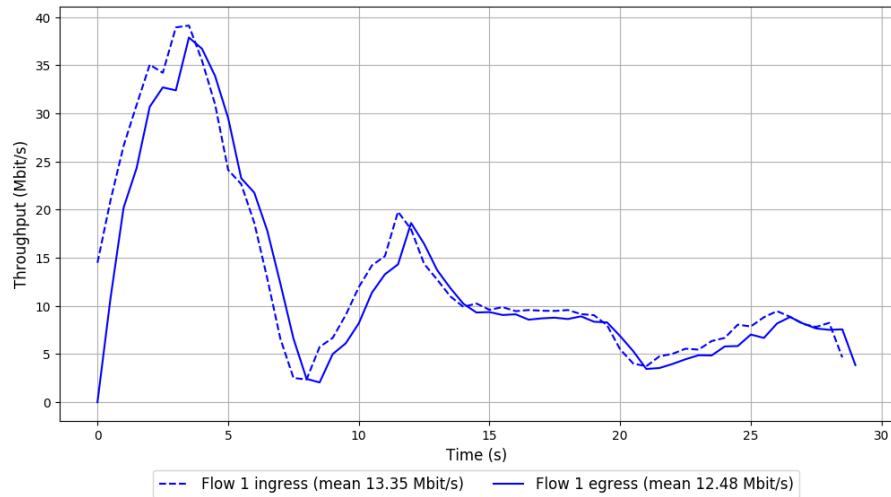


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-07-12 13:20:45
End at: 2019-07-12 13:21:15
Local clock offset: 4.228 ms
Remote clock offset: -5.344 ms

# Below is generated by plot.py at 2019-07-12 13:28:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.48 Mbit/s
95th percentile per-packet one-way delay: 44.183 ms
Loss rate: 6.69%
-- Flow 1:
Average throughput: 12.48 Mbit/s
95th percentile per-packet one-way delay: 44.183 ms
Loss rate: 6.69%
```

Run 5: Report of Indigo-MusesC3 — Data Link

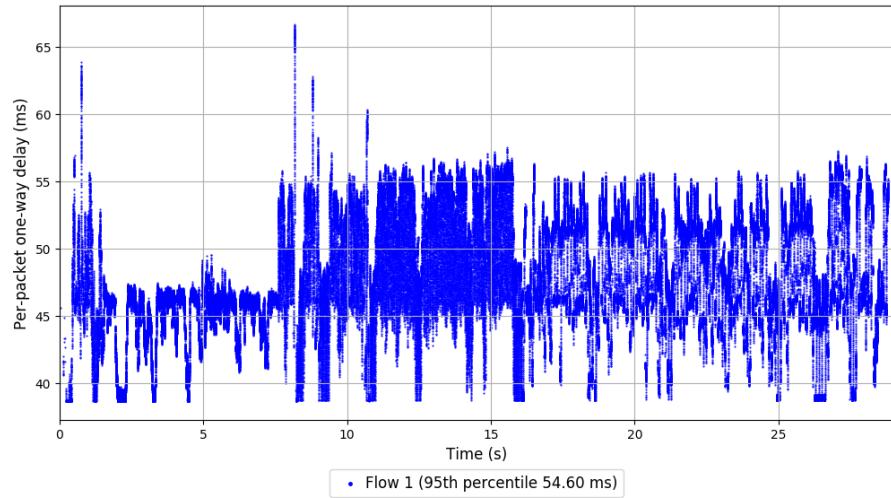
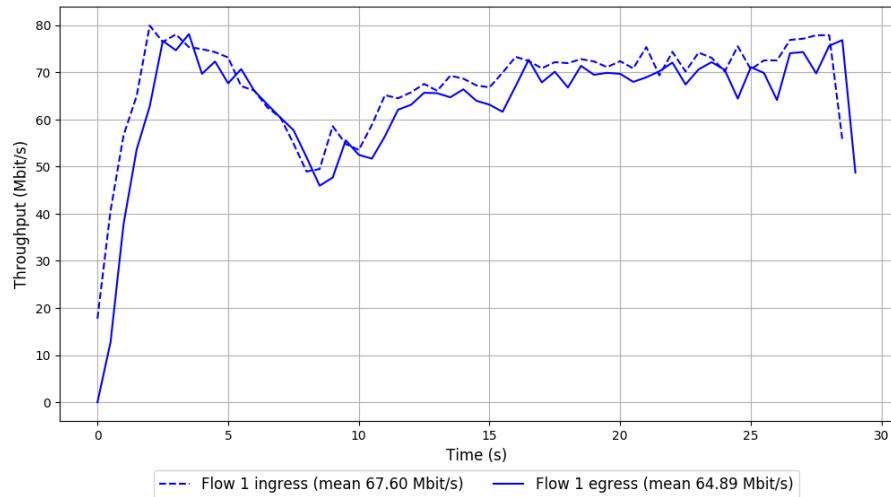


```
Run 1: Statistics of Indigo-MusesC5
```

```
Start at: 2019-07-12 10:07:36
End at: 2019-07-12 10:08:06
Local clock offset: -1.742 ms
Remote clock offset: -9.162 ms

# Below is generated by plot.py at 2019-07-12 13:28:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.89 Mbit/s
95th percentile per-packet one-way delay: 54.599 ms
Loss rate: 4.25%
-- Flow 1:
Average throughput: 64.89 Mbit/s
95th percentile per-packet one-way delay: 54.599 ms
Loss rate: 4.25%
```

Run 1: Report of Indigo-MusesC5 — Data Link

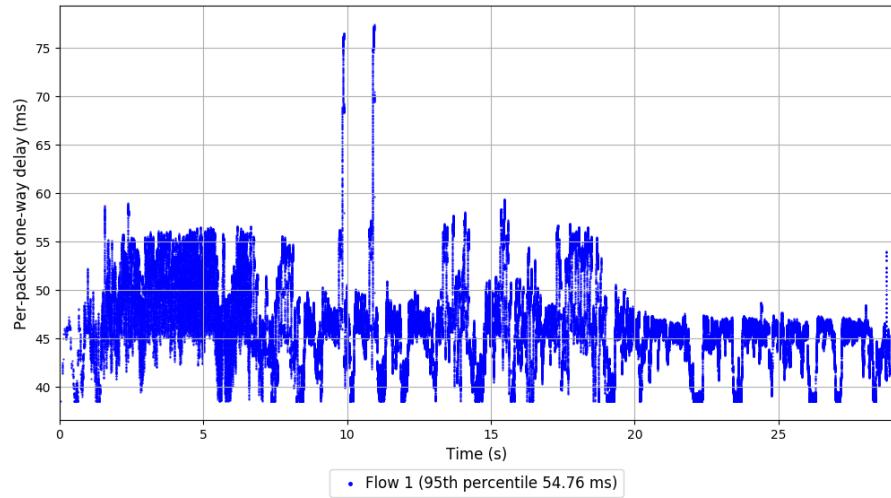
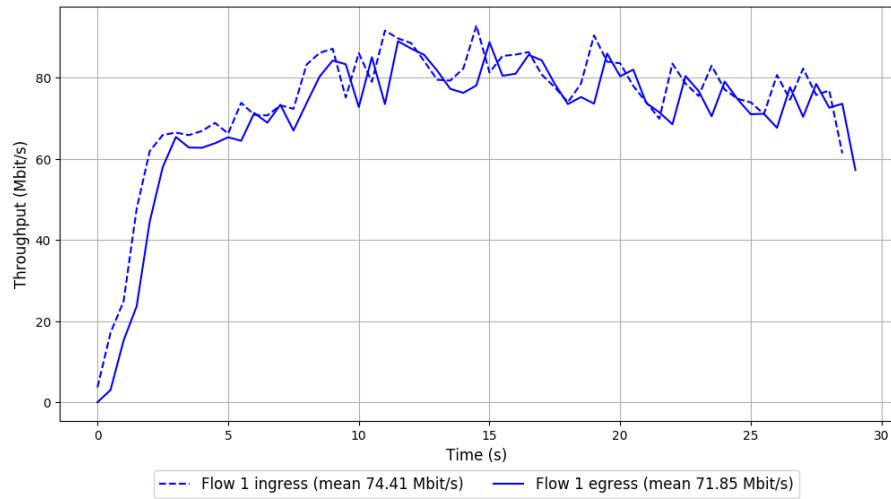


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 10:43:10
End at: 2019-07-12 10:43:40
Local clock offset: -0.34 ms
Remote clock offset: -7.116 ms

# Below is generated by plot.py at 2019-07-12 13:28:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.85 Mbit/s
95th percentile per-packet one-way delay: 54.756 ms
Loss rate: 3.66%
-- Flow 1:
Average throughput: 71.85 Mbit/s
95th percentile per-packet one-way delay: 54.756 ms
Loss rate: 3.66%
```

Run 2: Report of Indigo-MusesC5 — Data Link

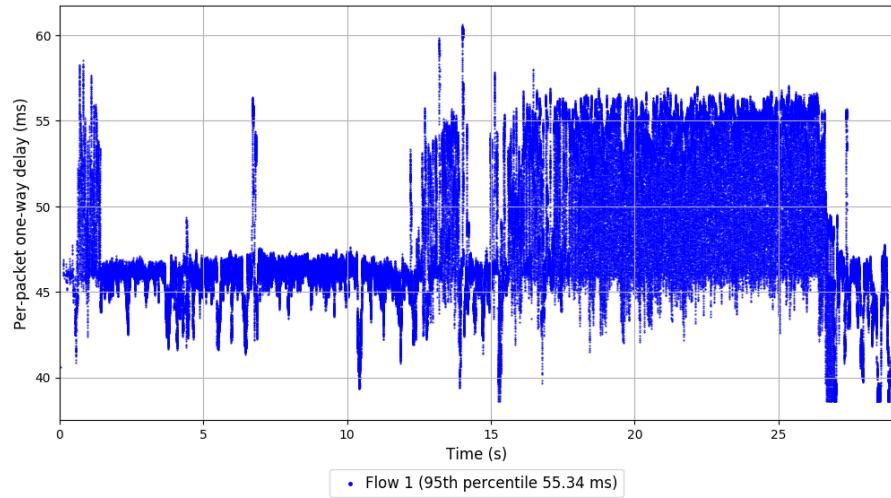
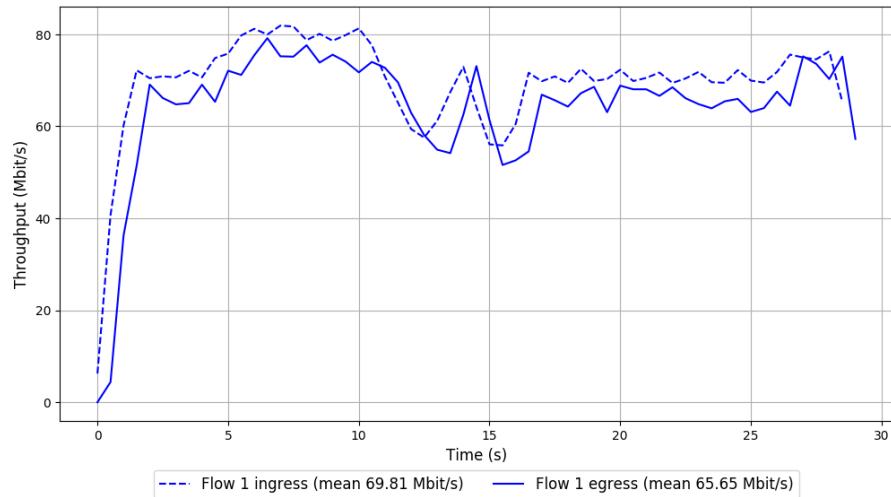


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 11:23:52
End at: 2019-07-12 11:24:22
Local clock offset: -3.196 ms
Remote clock offset: -5.432 ms

# Below is generated by plot.py at 2019-07-12 13:28:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.65 Mbit/s
95th percentile per-packet one-way delay: 55.337 ms
Loss rate: 6.16%
-- Flow 1:
Average throughput: 65.65 Mbit/s
95th percentile per-packet one-way delay: 55.337 ms
Loss rate: 6.16%
```

Run 3: Report of Indigo-MusesC5 — Data Link

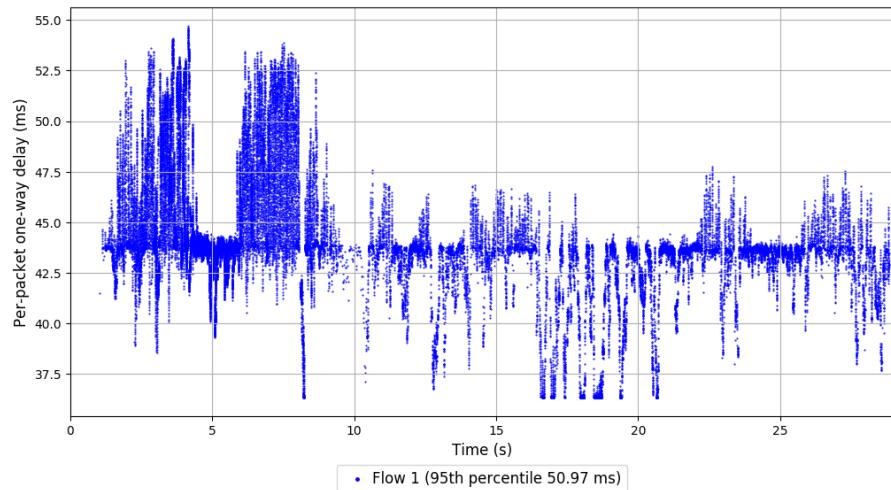
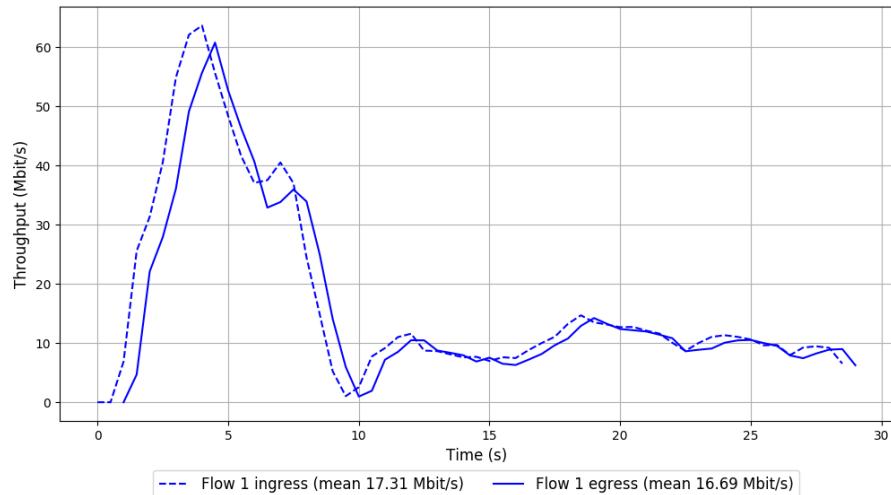


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 12:04:37
End at: 2019-07-12 12:05:07
Local clock offset: -3.062 ms
Remote clock offset: -2.975 ms

# Below is generated by plot.py at 2019-07-12 13:28:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.69 Mbit/s
95th percentile per-packet one-way delay: 50.974 ms
Loss rate: 7.18%
-- Flow 1:
Average throughput: 16.69 Mbit/s
95th percentile per-packet one-way delay: 50.974 ms
Loss rate: 7.18%
```

Run 4: Report of Indigo-MusesC5 — Data Link

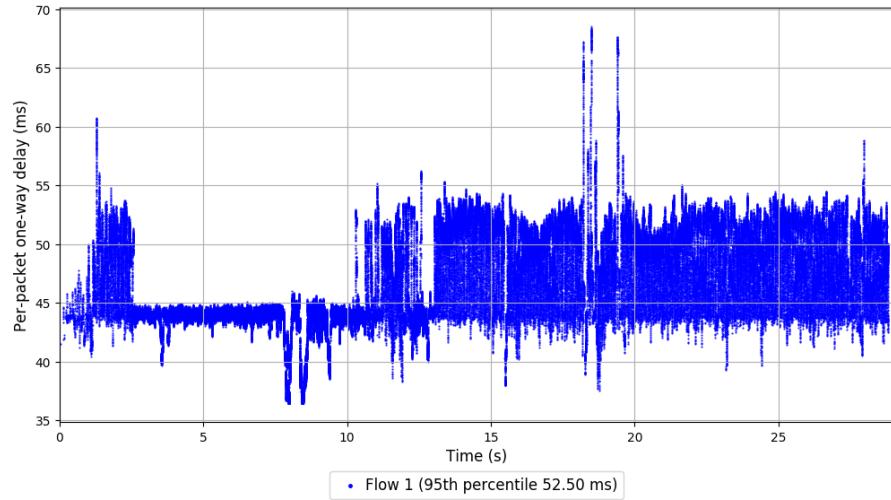
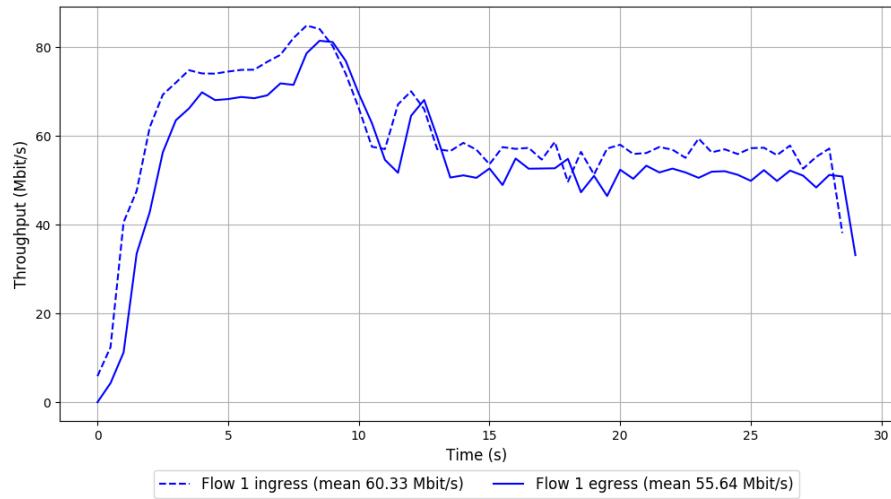


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-07-12 12:46:32
End at: 2019-07-12 12:47:02
Local clock offset: 0.413 ms
Remote clock offset: -3.932 ms

# Below is generated by plot.py at 2019-07-12 13:28:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.64 Mbit/s
95th percentile per-packet one-way delay: 52.503 ms
Loss rate: 7.94%
-- Flow 1:
Average throughput: 55.64 Mbit/s
95th percentile per-packet one-way delay: 52.503 ms
Loss rate: 7.94%
```

Run 5: Report of Indigo-MusesC5 — Data Link

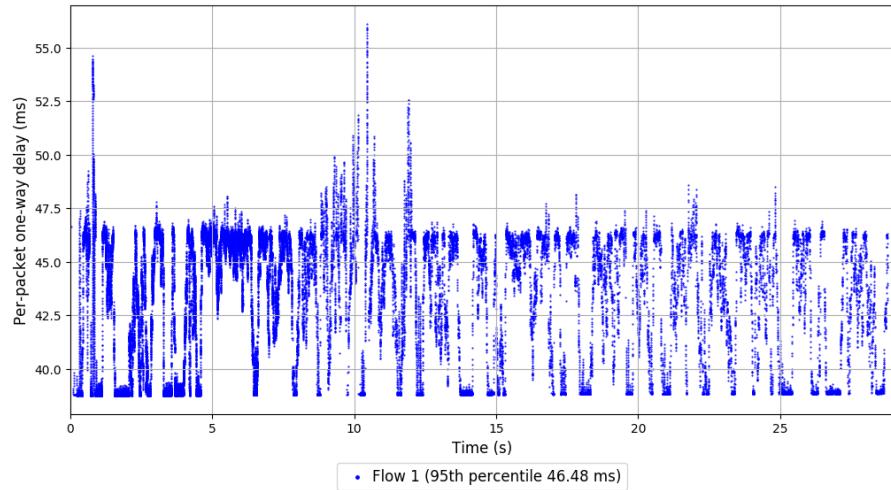
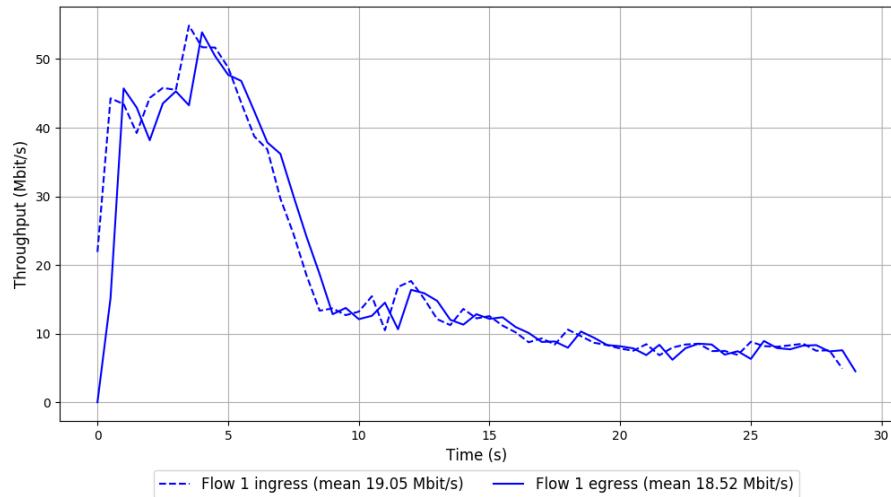


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 10:09:16
End at: 2019-07-12 10:09:46
Local clock offset: -1.95 ms
Remote clock offset: -9.099 ms

# Below is generated by plot.py at 2019-07-12 13:28:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.52 Mbit/s
95th percentile per-packet one-way delay: 46.478 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 18.52 Mbit/s
95th percentile per-packet one-way delay: 46.478 ms
Loss rate: 3.03%
```

Run 1: Report of Indigo-MusesD — Data Link

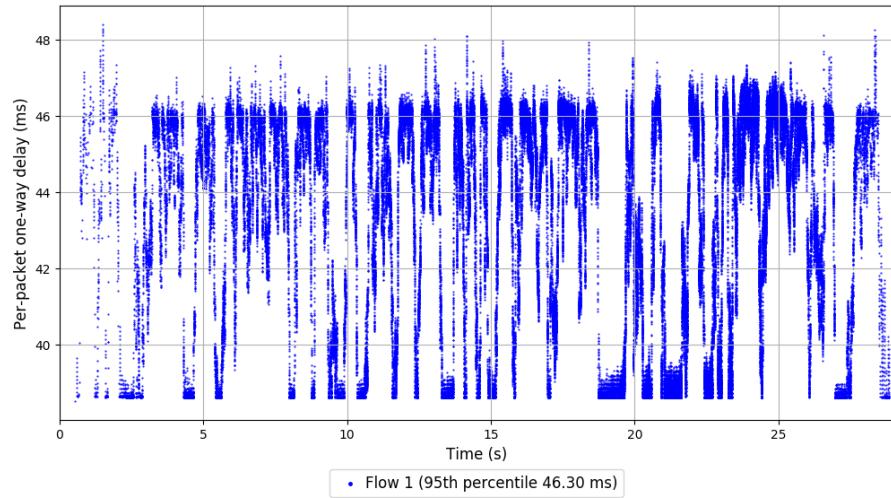
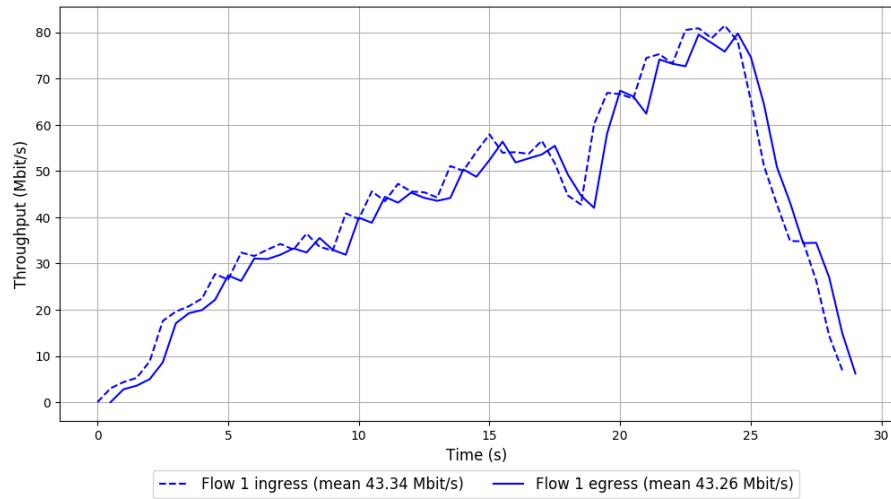


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 10:45:05
End at: 2019-07-12 10:45:35
Local clock offset: -0.157 ms
Remote clock offset: -7.023 ms

# Below is generated by plot.py at 2019-07-12 13:28:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.26 Mbit/s
95th percentile per-packet one-way delay: 46.305 ms
Loss rate: 2.16%
-- Flow 1:
Average throughput: 43.26 Mbit/s
95th percentile per-packet one-way delay: 46.305 ms
Loss rate: 2.16%
```

Run 2: Report of Indigo-MusesD — Data Link

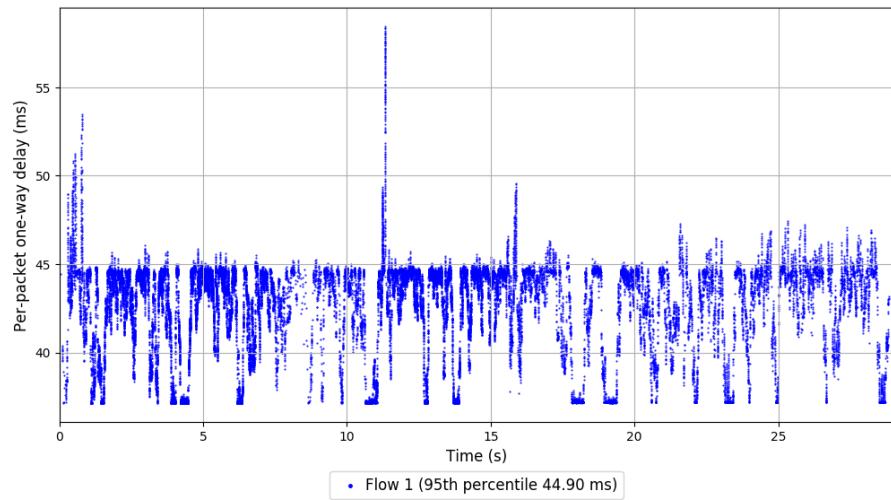
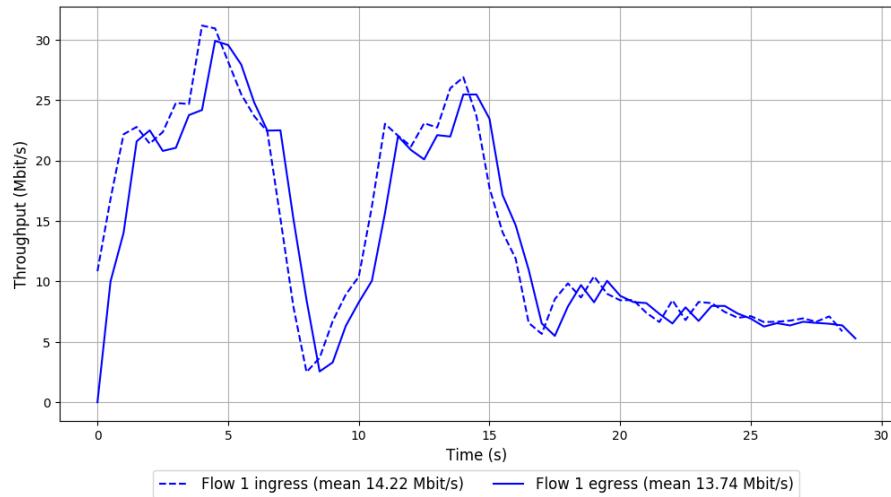


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 11:26:09
End at: 2019-07-12 11:26:39
Local clock offset: -3.29 ms
Remote clock offset: -3.882 ms

# Below is generated by plot.py at 2019-07-12 13:28:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.74 Mbit/s
95th percentile per-packet one-way delay: 44.902 ms
Loss rate: 3.61%
-- Flow 1:
Average throughput: 13.74 Mbit/s
95th percentile per-packet one-way delay: 44.902 ms
Loss rate: 3.61%
```

Run 3: Report of Indigo-MusesD — Data Link

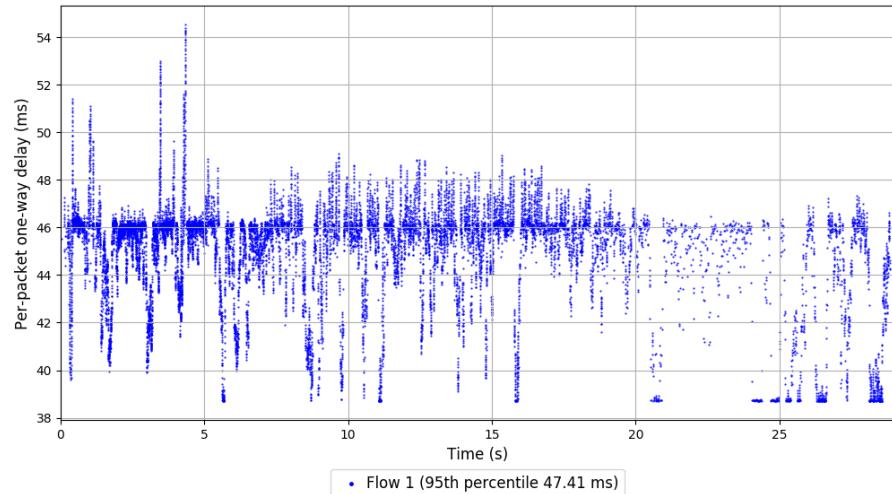
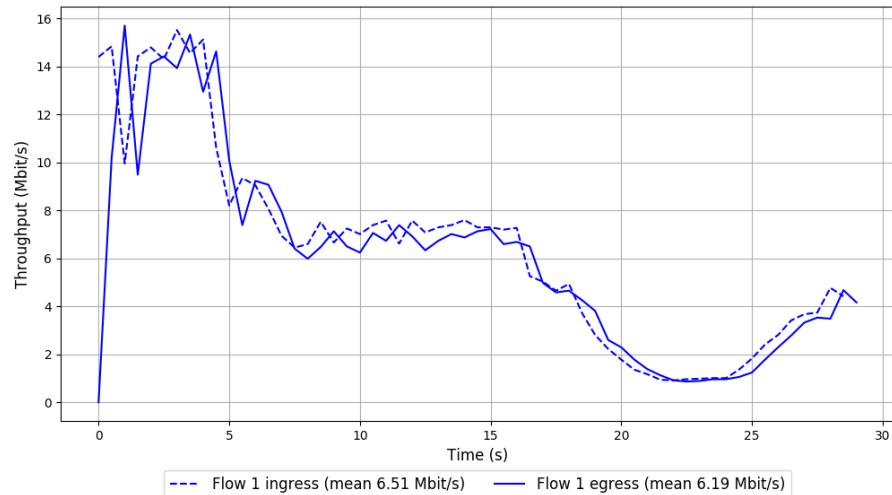


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 12:06:15
End at: 2019-07-12 12:06:45
Local clock offset: -3.021 ms
Remote clock offset: -5.346 ms

# Below is generated by plot.py at 2019-07-12 13:28:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.19 Mbit/s
95th percentile per-packet one-way delay: 47.413 ms
Loss rate: 5.21%
-- Flow 1:
Average throughput: 6.19 Mbit/s
95th percentile per-packet one-way delay: 47.413 ms
Loss rate: 5.21%
```

Run 4: Report of Indigo-MusesD — Data Link

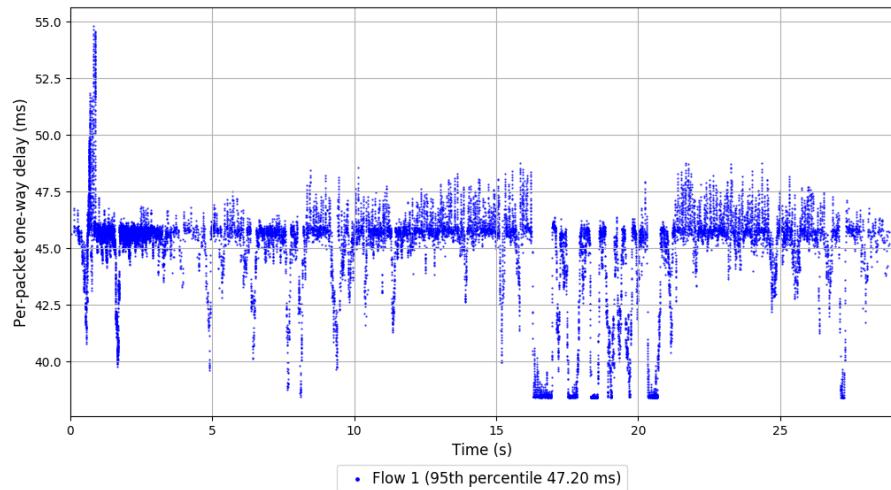
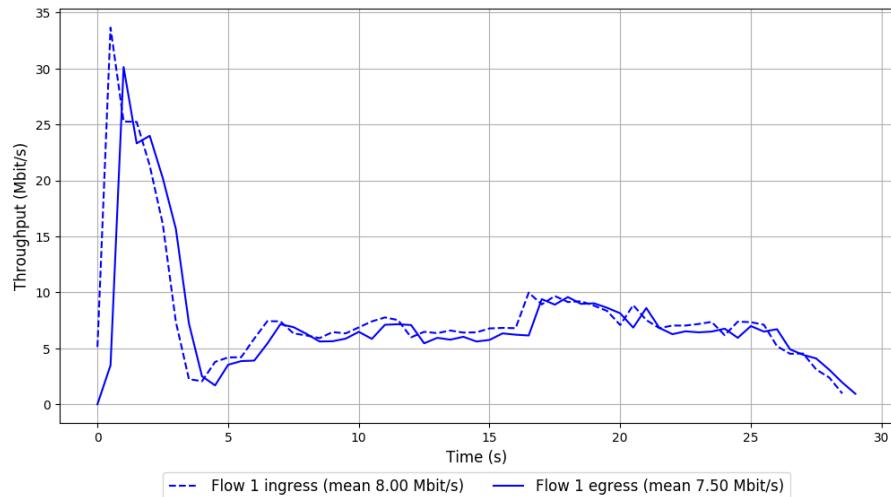


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-07-12 12:49:04
End at: 2019-07-12 12:49:34
Local clock offset: 0.637 ms
Remote clock offset: -5.988 ms

# Below is generated by plot.py at 2019-07-12 13:28:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.50 Mbit/s
95th percentile per-packet one-way delay: 47.203 ms
Loss rate: 6.52%
-- Flow 1:
Average throughput: 7.50 Mbit/s
95th percentile per-packet one-way delay: 47.203 ms
Loss rate: 6.52%
```

Run 5: Report of Indigo-MusesD — Data Link

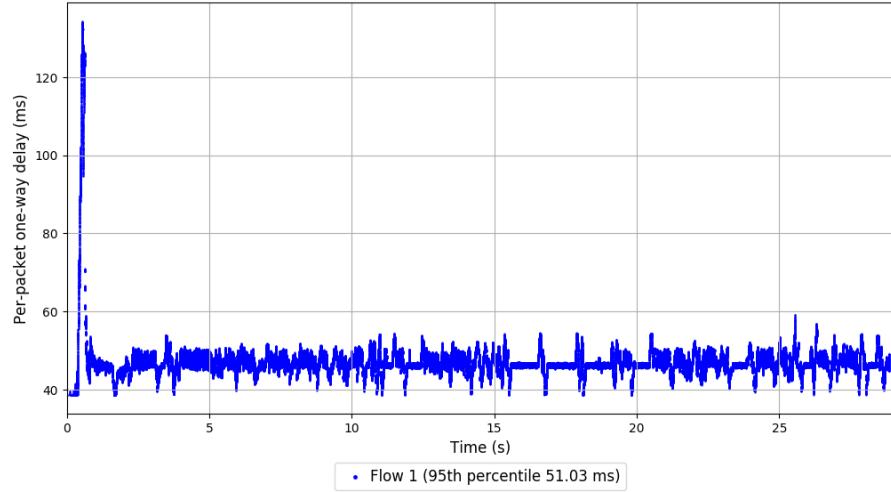
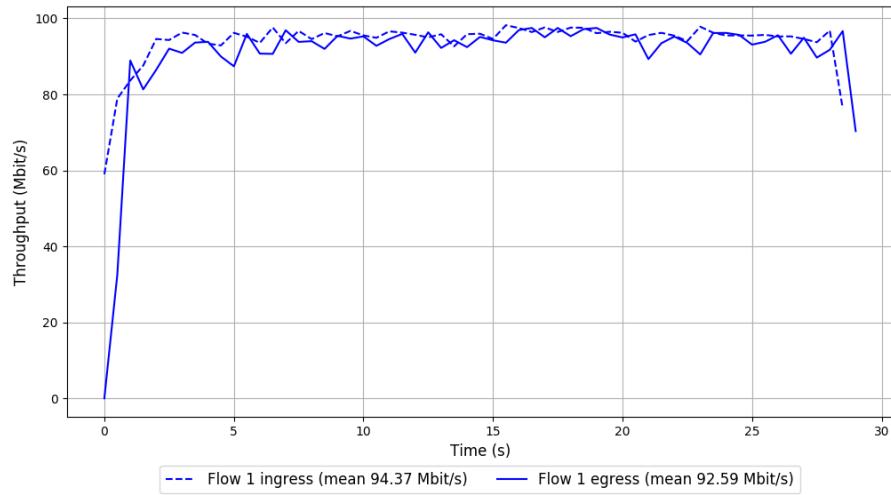


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 10:23:01
End at: 2019-07-12 10:23:31
Local clock offset: -3.216 ms
Remote clock offset: -8.285 ms

# Below is generated by plot.py at 2019-07-12 13:29:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 51.028 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 92.59 Mbit/s
95th percentile per-packet one-way delay: 51.028 ms
Loss rate: 2.11%
```

Run 1: Report of Indigo-MusesT — Data Link

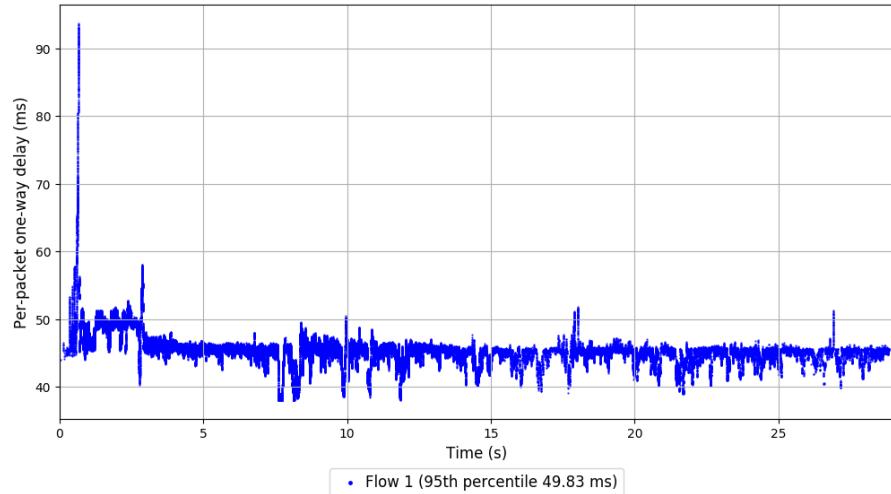
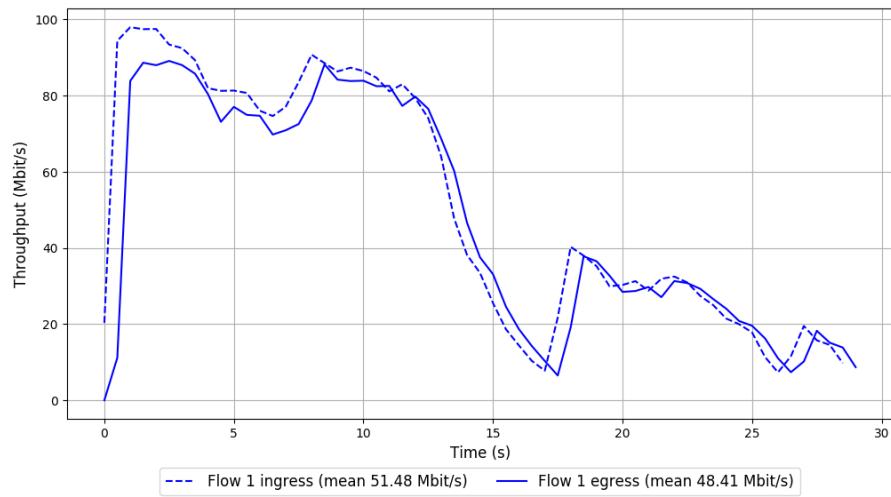


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 11:01:19
End at: 2019-07-12 11:01:49
Local clock offset: -0.265 ms
Remote clock offset: -5.36 ms

# Below is generated by plot.py at 2019-07-12 13:29:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.41 Mbit/s
95th percentile per-packet one-way delay: 49.831 ms
Loss rate: 6.19%
-- Flow 1:
Average throughput: 48.41 Mbit/s
95th percentile per-packet one-way delay: 49.831 ms
Loss rate: 6.19%
```

Run 2: Report of Indigo-MusesT — Data Link

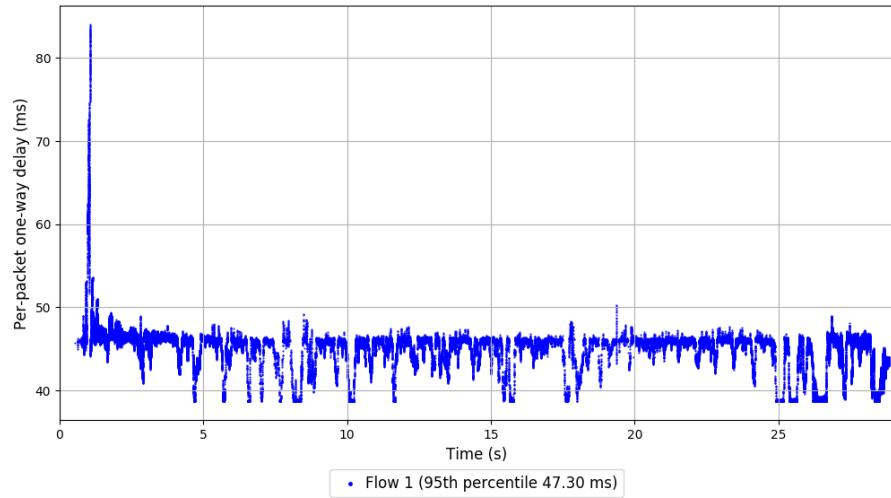
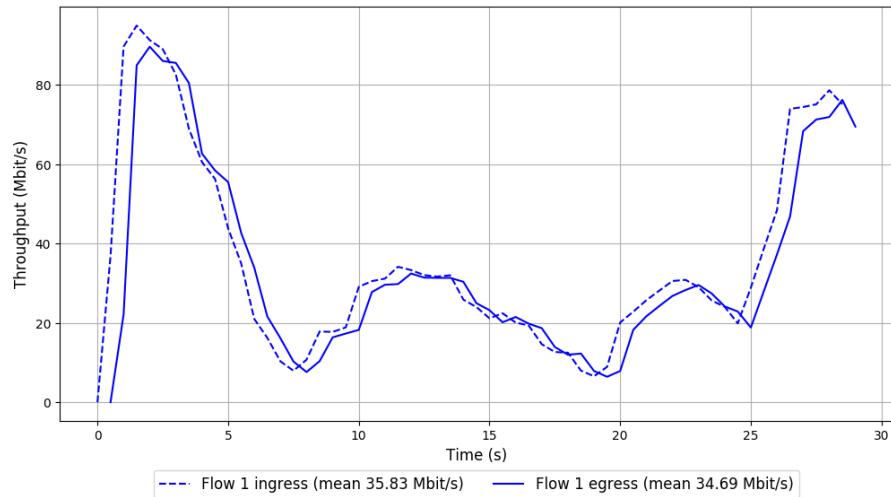


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 11:42:03
End at: 2019-07-12 11:42:33
Local clock offset: -3.122 ms
Remote clock offset: -5.107 ms

# Below is generated by plot.py at 2019-07-12 13:29:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.69 Mbit/s
95th percentile per-packet one-way delay: 47.295 ms
Loss rate: 5.11%
-- Flow 1:
Average throughput: 34.69 Mbit/s
95th percentile per-packet one-way delay: 47.295 ms
Loss rate: 5.11%
```

Run 3: Report of Indigo-MusesT — Data Link

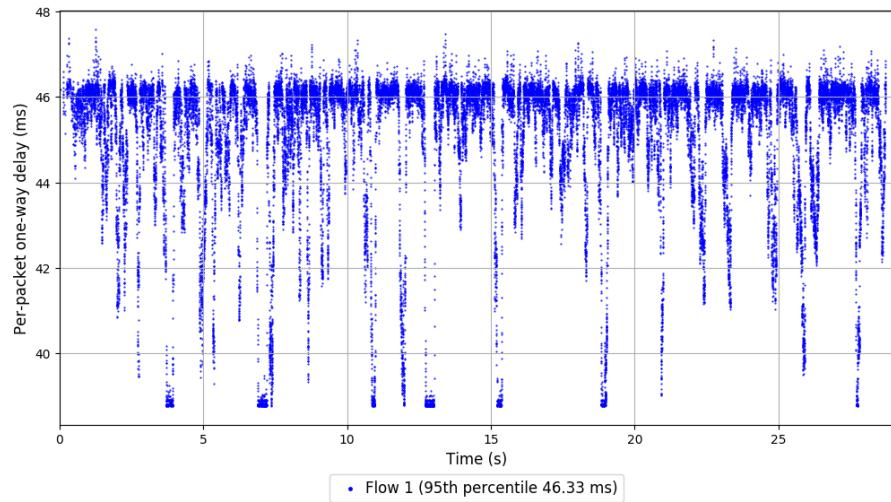
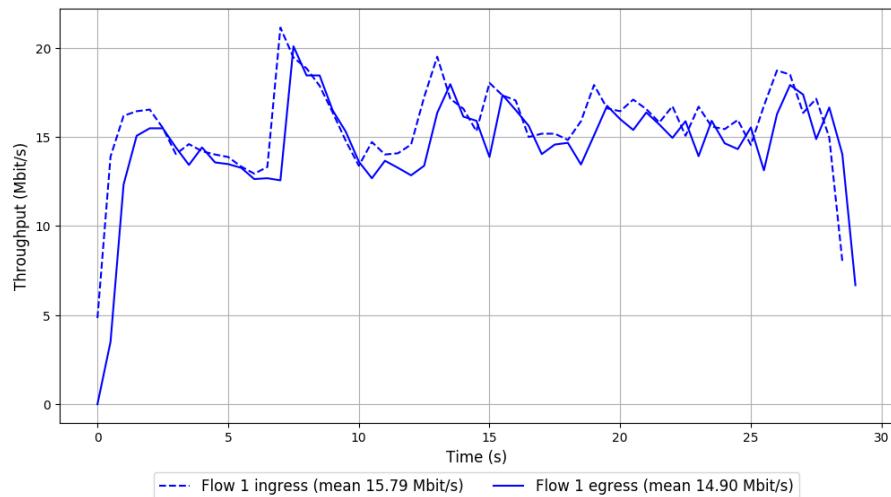


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 12:22:41
End at: 2019-07-12 12:23:11
Local clock offset: -2.956 ms
Remote clock offset: -5.408 ms

# Below is generated by plot.py at 2019-07-12 13:29:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.90 Mbit/s
95th percentile per-packet one-way delay: 46.331 ms
Loss rate: 5.92%
-- Flow 1:
Average throughput: 14.90 Mbit/s
95th percentile per-packet one-way delay: 46.331 ms
Loss rate: 5.92%
```

Run 4: Report of Indigo-MusesT — Data Link

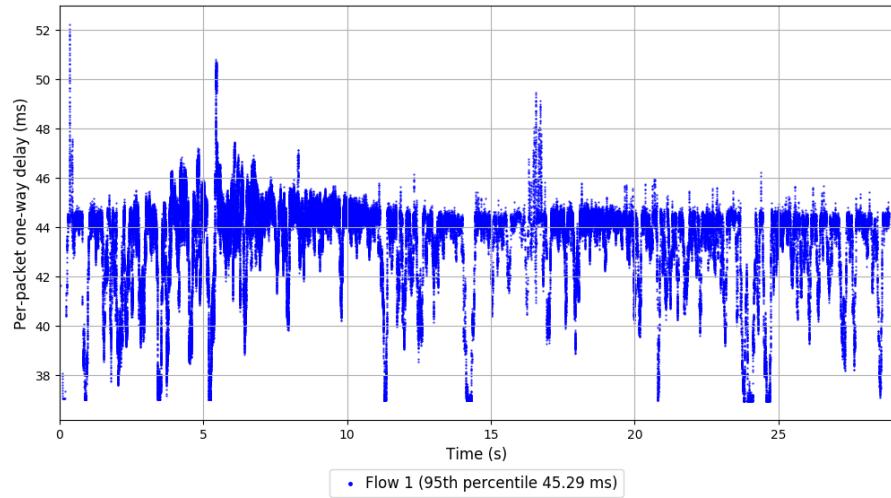
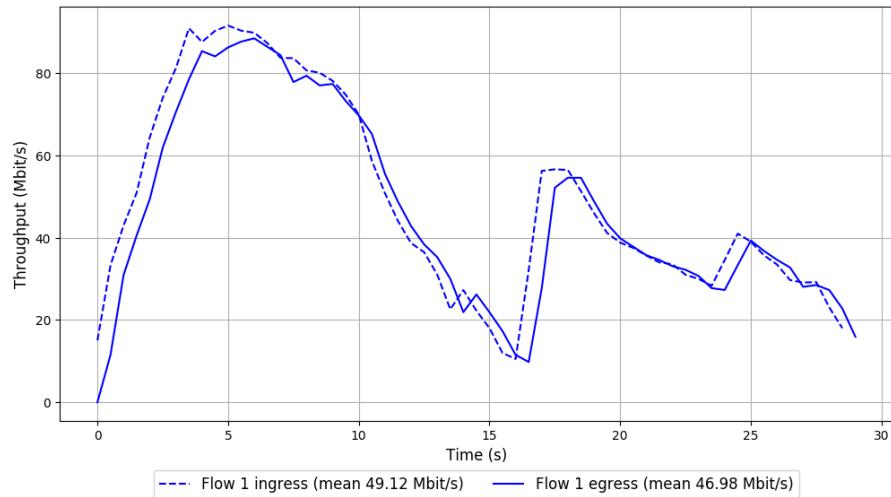


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-07-12 13:05:33
End at: 2019-07-12 13:06:03
Local clock offset: 2.582 ms
Remote clock offset: -5.29 ms

# Below is generated by plot.py at 2019-07-12 13:29:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.98 Mbit/s
95th percentile per-packet one-way delay: 45.289 ms
Loss rate: 4.58%
-- Flow 1:
Average throughput: 46.98 Mbit/s
95th percentile per-packet one-way delay: 45.289 ms
Loss rate: 4.58%
```

Run 5: Report of Indigo-MusesT — Data Link

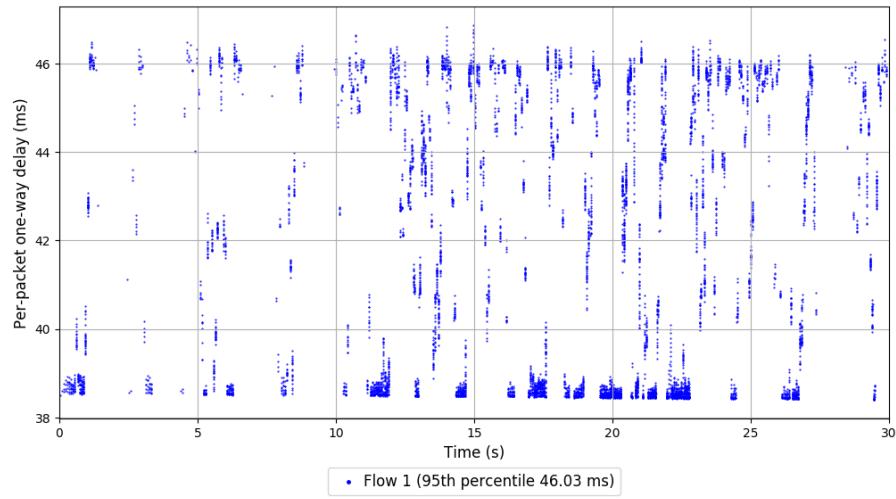
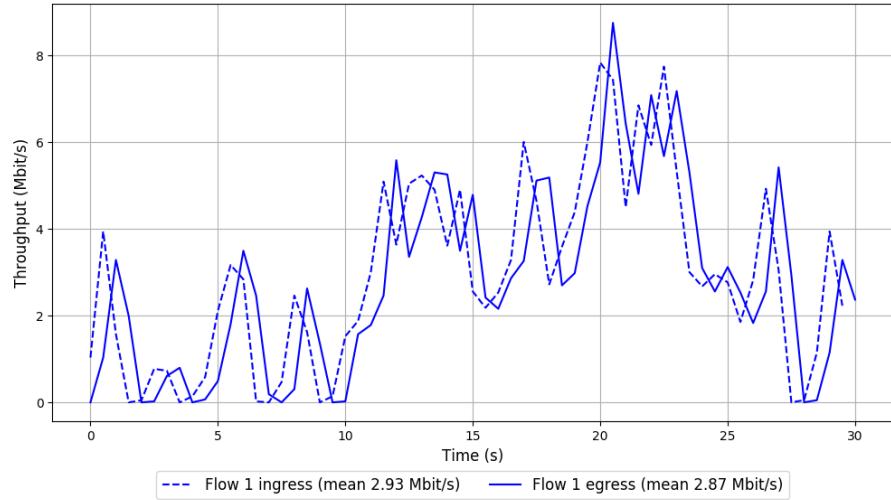


Run 1: Statistics of LEDBAT

```
Start at: 2019-07-12 10:30:26
End at: 2019-07-12 10:30:56
Local clock offset: -2.954 ms
Remote clock offset: -8.018 ms

# Below is generated by plot.py at 2019-07-12 13:29:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.87 Mbit/s
95th percentile per-packet one-way delay: 46.031 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 2.87 Mbit/s
95th percentile per-packet one-way delay: 46.031 ms
Loss rate: 2.35%
```

Run 1: Report of LEDBAT — Data Link

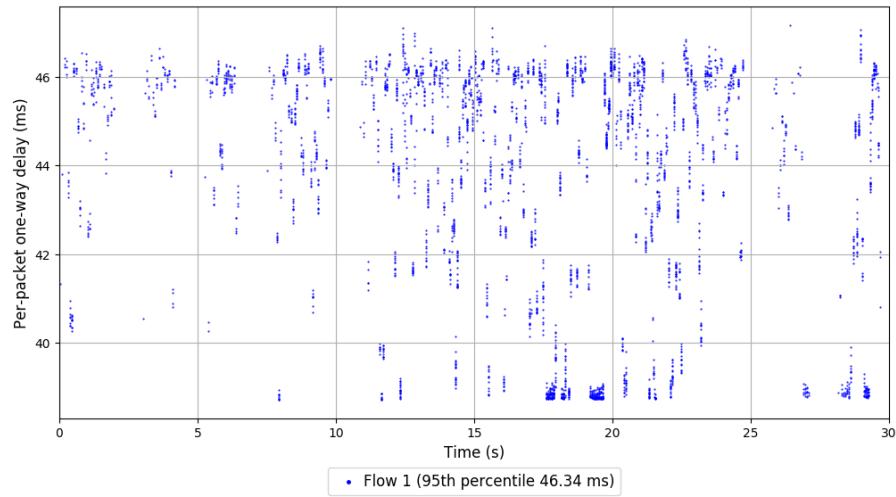
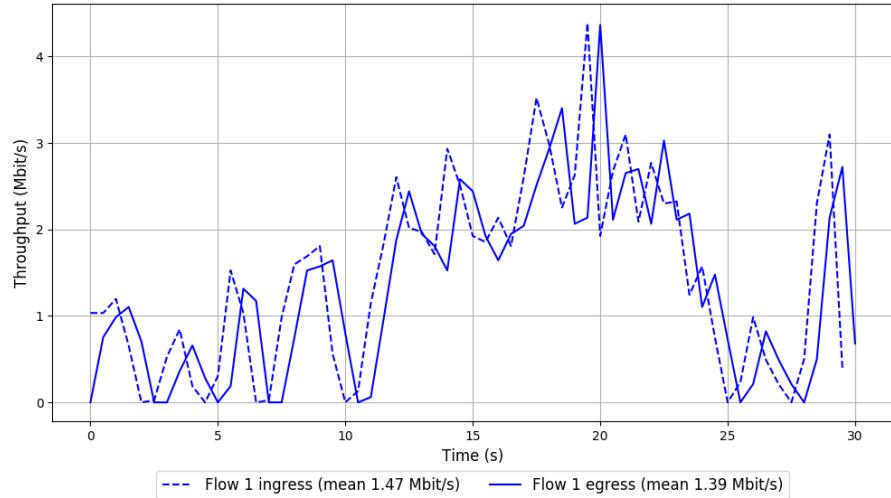


Run 2: Statistics of LEDBAT

```
Start at: 2019-07-12 11:10:21
End at: 2019-07-12 11:10:51
Local clock offset: -2.143 ms
Remote clock offset: -5.812 ms

# Below is generated by plot.py at 2019-07-12 13:29:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 46.343 ms
Loss rate: 5.29%
-- Flow 1:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 46.343 ms
Loss rate: 5.29%
```

Run 2: Report of LEDBAT — Data Link

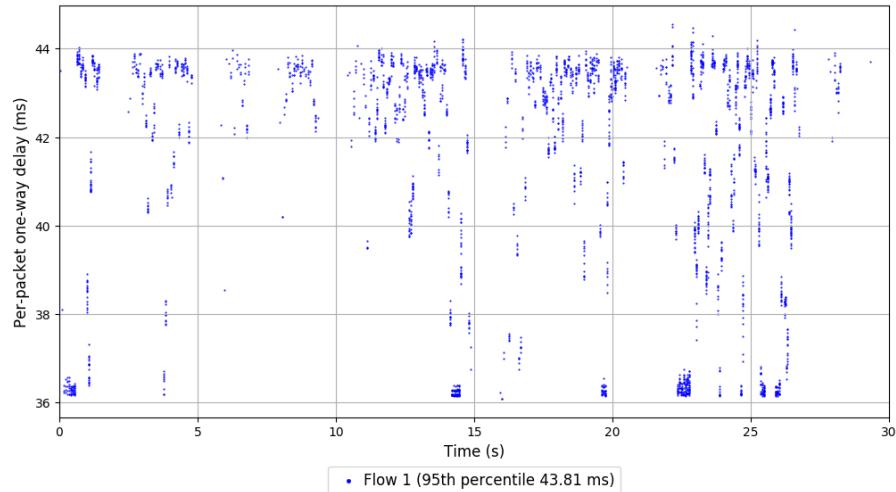
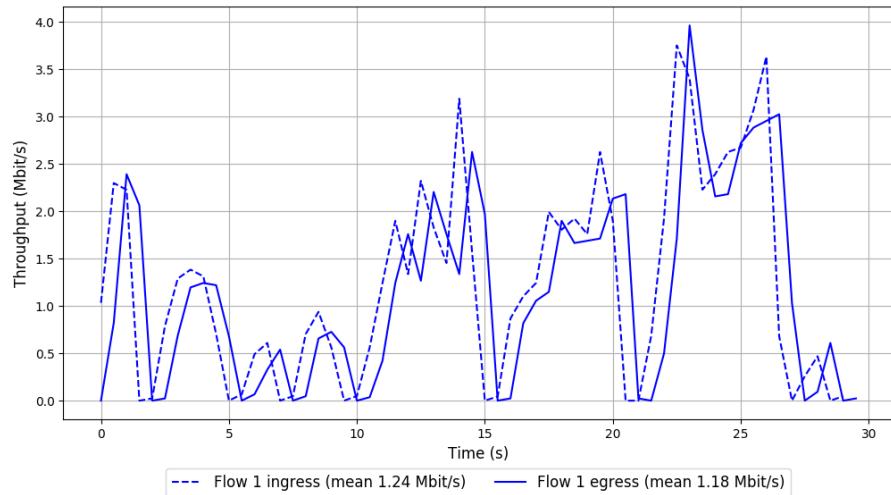


Run 3: Statistics of LEDBAT

```
Start at: 2019-07-12 11:51:17
End at: 2019-07-12 11:51:47
Local clock offset: -3.209 ms
Remote clock offset: -2.75 ms

# Below is generated by plot.py at 2019-07-12 13:29:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 43.807 ms
Loss rate: 5.61%
-- Flow 1:
Average throughput: 1.18 Mbit/s
95th percentile per-packet one-way delay: 43.807 ms
Loss rate: 5.61%
```

Run 3: Report of LEDBAT — Data Link

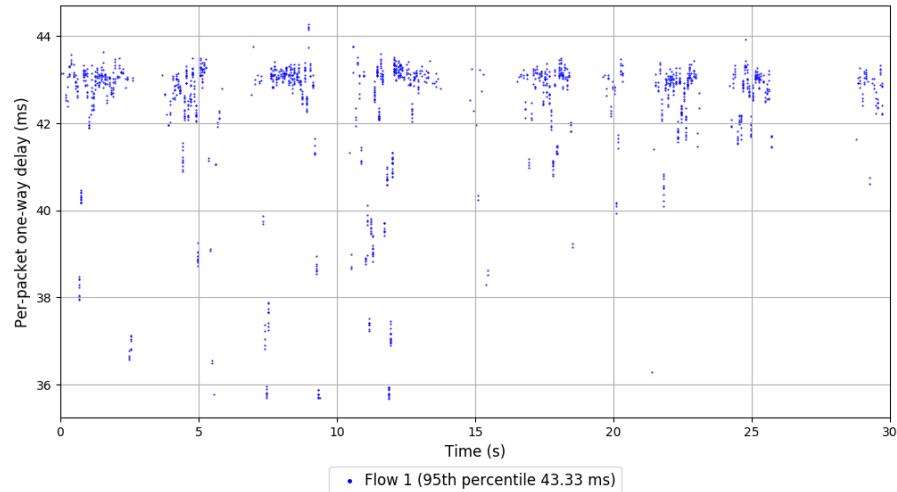
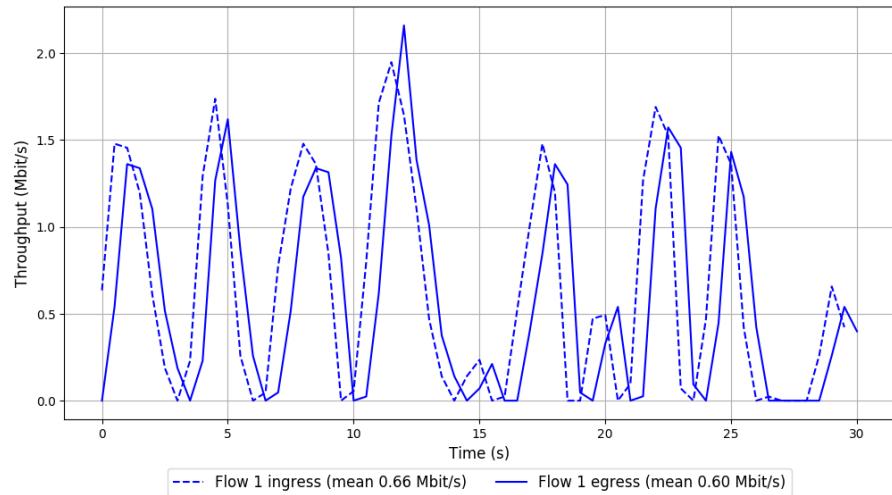


Run 4: Statistics of LEDBAT

```
Start at: 2019-07-12 12:32:06
End at: 2019-07-12 12:32:36
Local clock offset: -1.924 ms
Remote clock offset: -2.763 ms

# Below is generated by plot.py at 2019-07-12 13:29:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 43.329 ms
Loss rate: 8.83%
-- Flow 1:
Average throughput: 0.60 Mbit/s
95th percentile per-packet one-way delay: 43.329 ms
Loss rate: 8.83%
```

Run 4: Report of LEDBAT — Data Link

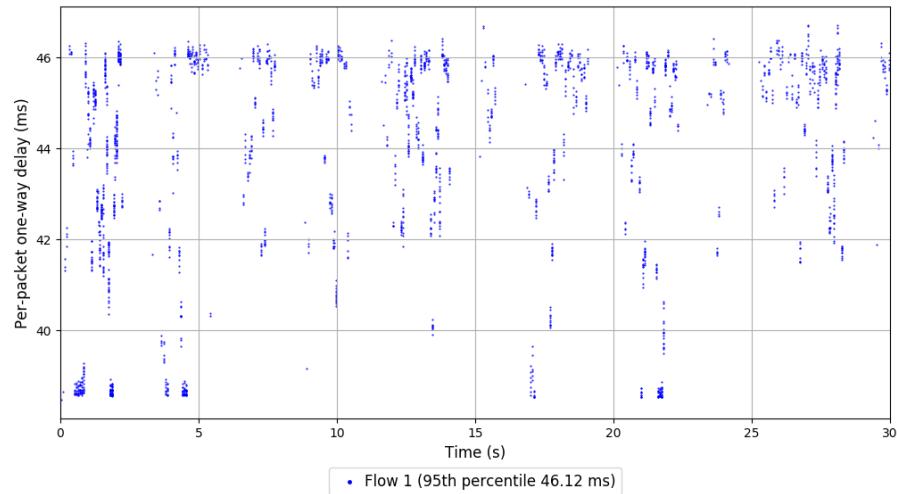
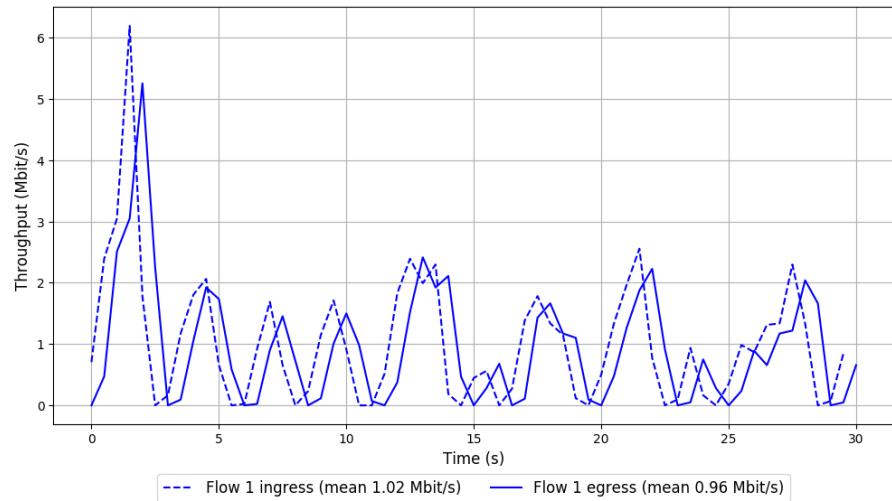


Run 5: Statistics of LEDBAT

```
Start at: 2019-07-12 13:15:33
End at: 2019-07-12 13:16:03
Local clock offset: 3.783 ms
Remote clock offset: -7.115 ms

# Below is generated by plot.py at 2019-07-12 13:29:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 46.122 ms
Loss rate: 6.20%
-- Flow 1:
Average throughput: 0.96 Mbit/s
95th percentile per-packet one-way delay: 46.122 ms
Loss rate: 6.20%
```

Run 5: Report of LEDBAT — Data Link

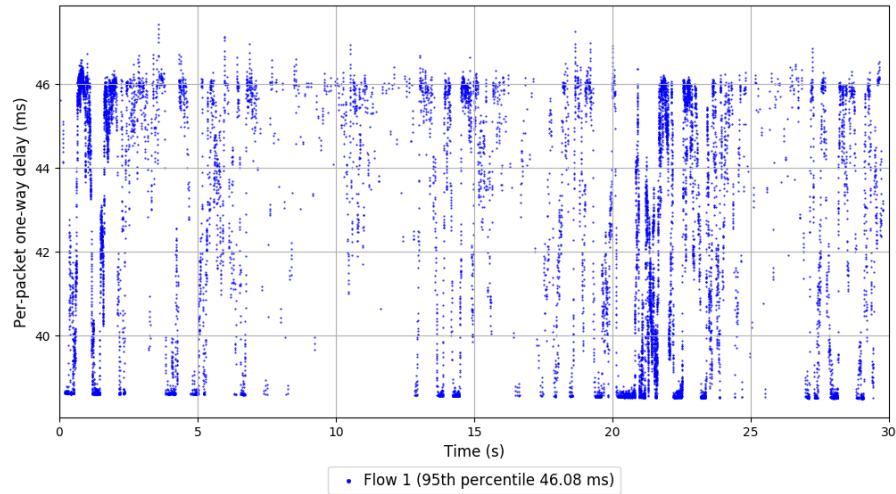
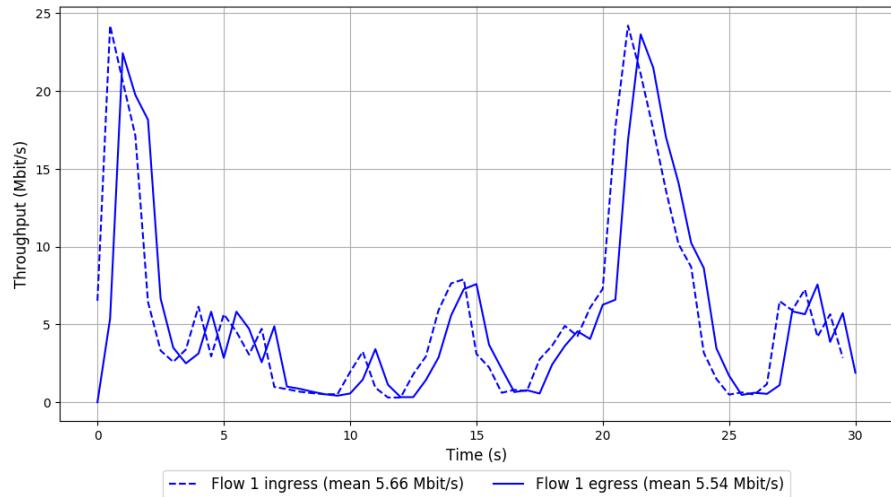


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 10:31:35
End at: 2019-07-12 10:32:05
Local clock offset: -2.49 ms
Remote clock offset: -7.907 ms

# Below is generated by plot.py at 2019-07-12 13:29:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.54 Mbit/s
95th percentile per-packet one-way delay: 46.083 ms
Loss rate: 2.42%
-- Flow 1:
Average throughput: 5.54 Mbit/s
95th percentile per-packet one-way delay: 46.083 ms
Loss rate: 2.42%
```

Run 1: Report of Muses_DecisionTree — Data Link

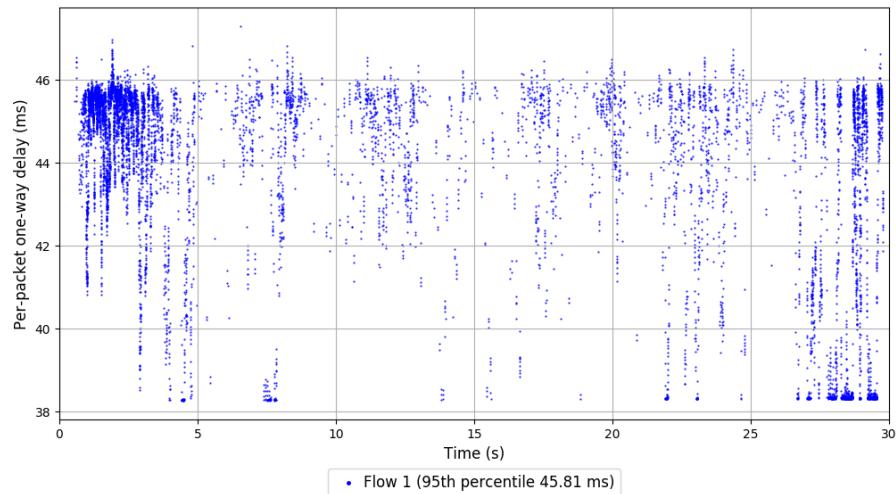
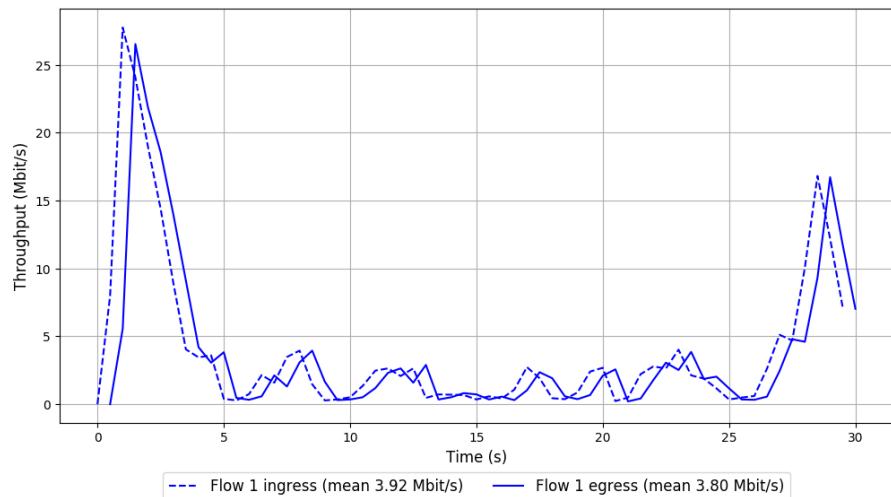


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 11:11:30
End at: 2019-07-12 11:12:00
Local clock offset: -2.287 ms
Remote clock offset: -5.411 ms

# Below is generated by plot.py at 2019-07-12 13:29:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 45.813 ms
Loss rate: 4.99%
-- Flow 1:
Average throughput: 3.80 Mbit/s
95th percentile per-packet one-way delay: 45.813 ms
Loss rate: 4.99%
```

Run 2: Report of Muses_DecisionTree — Data Link

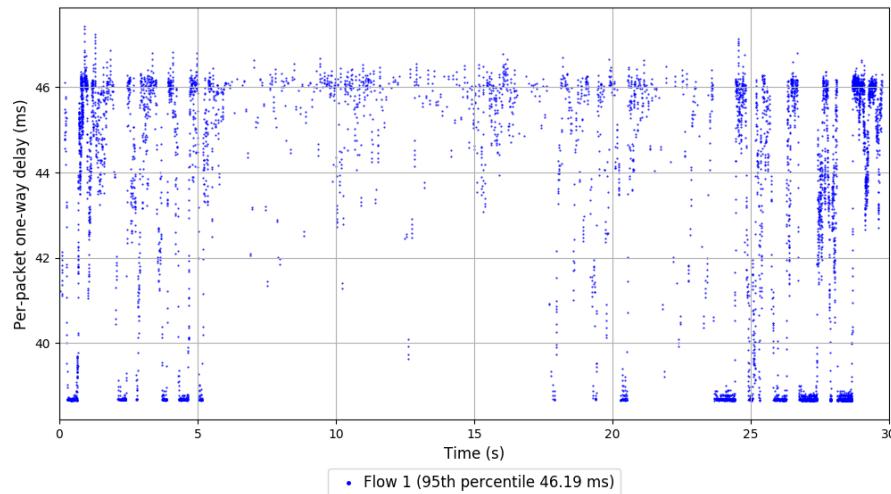
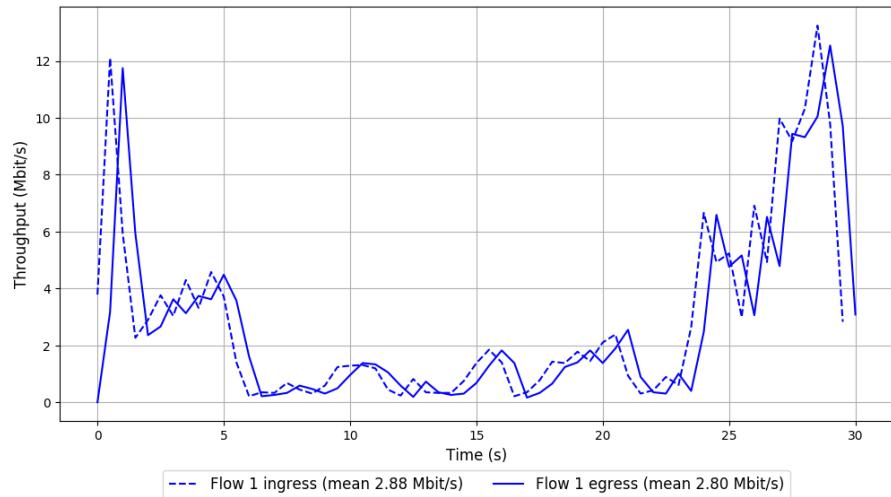


```
Run 3: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 11:52:25
End at: 2019-07-12 11:52:55
Local clock offset: -3.2 ms
Remote clock offset: -5.174 ms

# Below is generated by plot.py at 2019-07-12 13:29:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.80 Mbit/s
95th percentile per-packet one-way delay: 46.192 ms
Loss rate: 2.94%
-- Flow 1:
Average throughput: 2.80 Mbit/s
95th percentile per-packet one-way delay: 46.192 ms
Loss rate: 2.94%
```

Run 3: Report of Muses_DecisionTree — Data Link

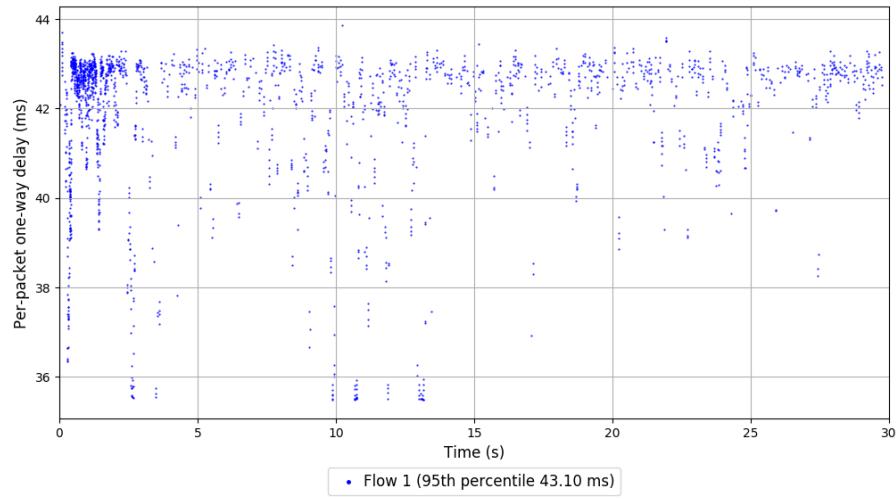
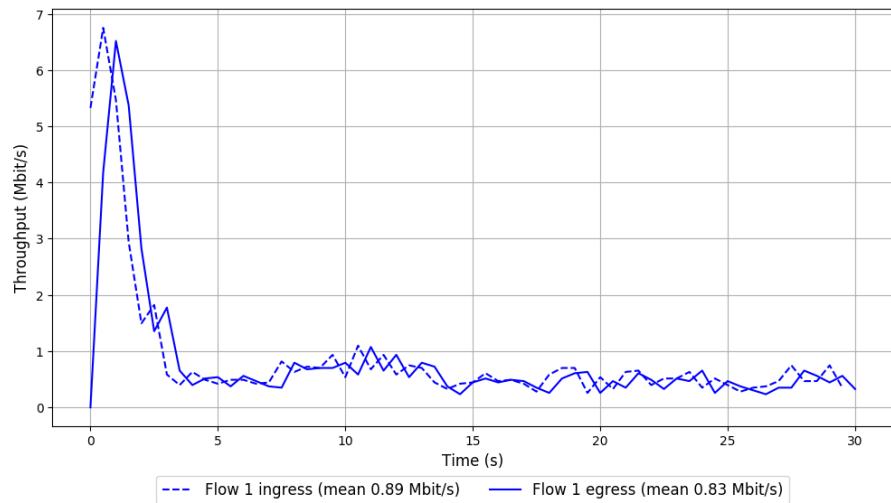


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-07-12 12:33:15
End at: 2019-07-12 12:33:45
Local clock offset: -1.571 ms
Remote clock offset: -2.604 ms

# Below is generated by plot.py at 2019-07-12 13:29:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 43.104 ms
Loss rate: 6.68%
-- Flow 1:
Average throughput: 0.83 Mbit/s
95th percentile per-packet one-way delay: 43.104 ms
Loss rate: 6.68%
```

Run 4: Report of Muses_DecisionTree — Data Link

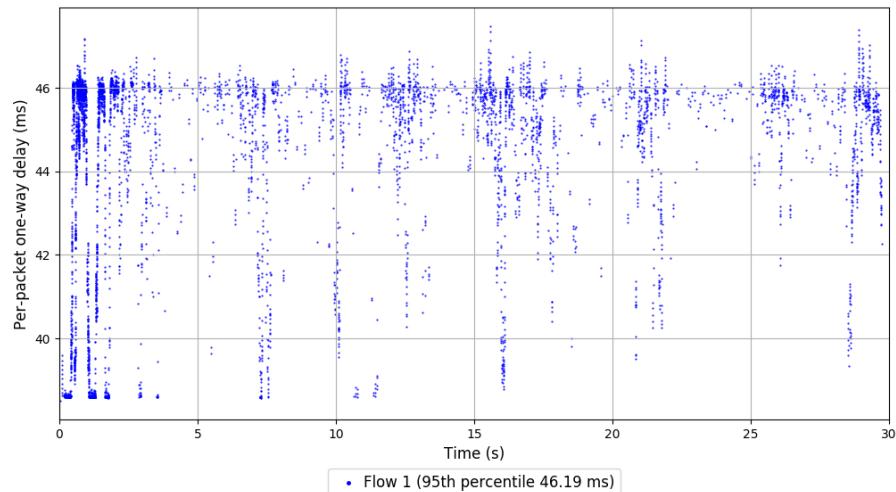
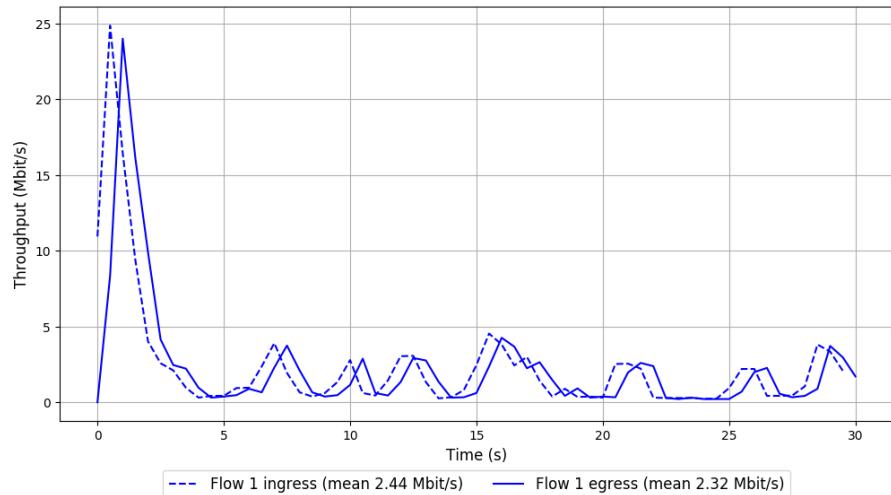


```
Run 5: Statistics of Muses\_DecisionTree
```

```
Start at: 2019-07-12 13:16:45
End at: 2019-07-12 13:17:15
Local clock offset: 3.919 ms
Remote clock offset: -7.174 ms

# Below is generated by plot.py at 2019-07-12 13:29:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 46.190 ms
Loss rate: 5.03%
-- Flow 1:
Average throughput: 2.32 Mbit/s
95th percentile per-packet one-way delay: 46.190 ms
Loss rate: 5.03%
```

Run 5: Report of Muses_DecisionTree — Data Link

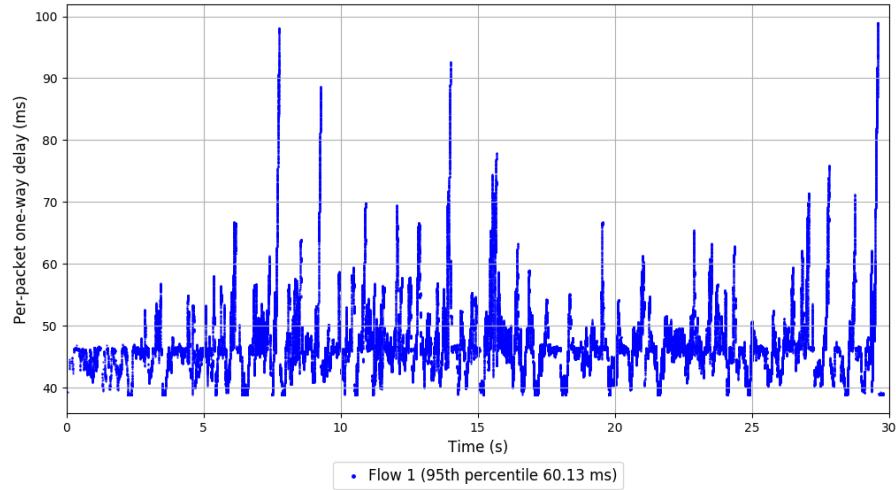
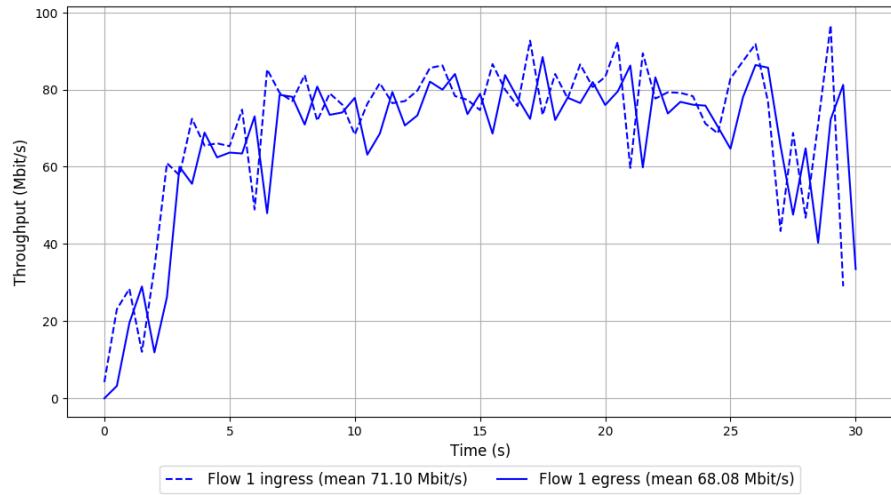


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 10:10:32
End at: 2019-07-12 10:11:02
Local clock offset: -2.172 ms
Remote clock offset: -9.109 ms

# Below is generated by plot.py at 2019-07-12 13:29:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.08 Mbit/s
95th percentile per-packet one-way delay: 60.133 ms
Loss rate: 4.45%
-- Flow 1:
Average throughput: 68.08 Mbit/s
95th percentile per-packet one-way delay: 60.133 ms
Loss rate: 4.45%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

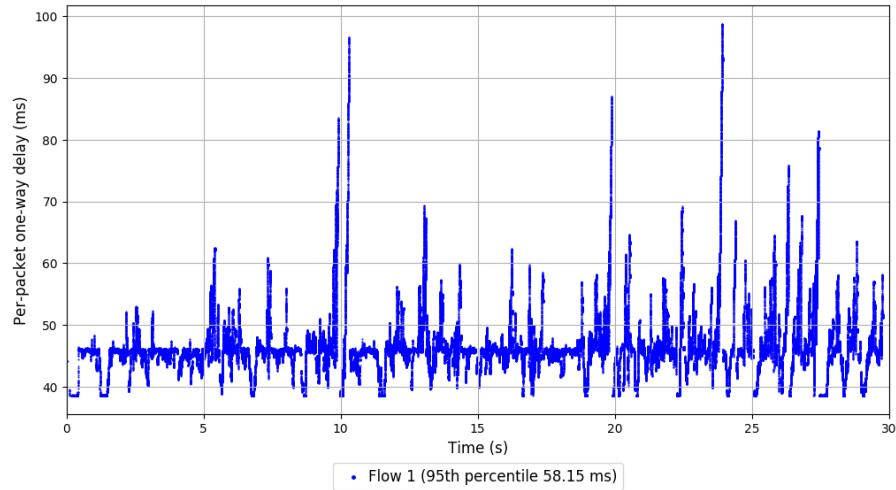
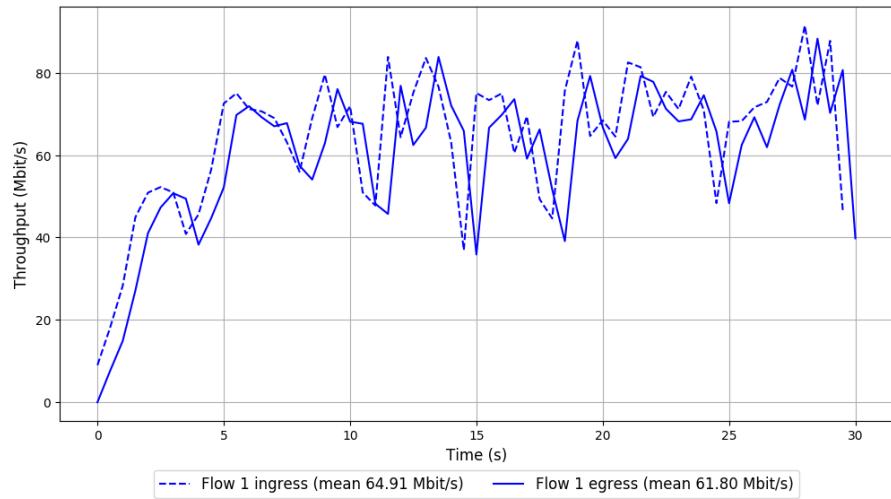


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 10:46:43
End at: 2019-07-12 10:47:13
Local clock offset: 0.013 ms
Remote clock offset: -6.851 ms

# Below is generated by plot.py at 2019-07-12 13:29:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.80 Mbit/s
95th percentile per-packet one-way delay: 58.152 ms
Loss rate: 4.94%
-- Flow 1:
Average throughput: 61.80 Mbit/s
95th percentile per-packet one-way delay: 58.152 ms
Loss rate: 4.94%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

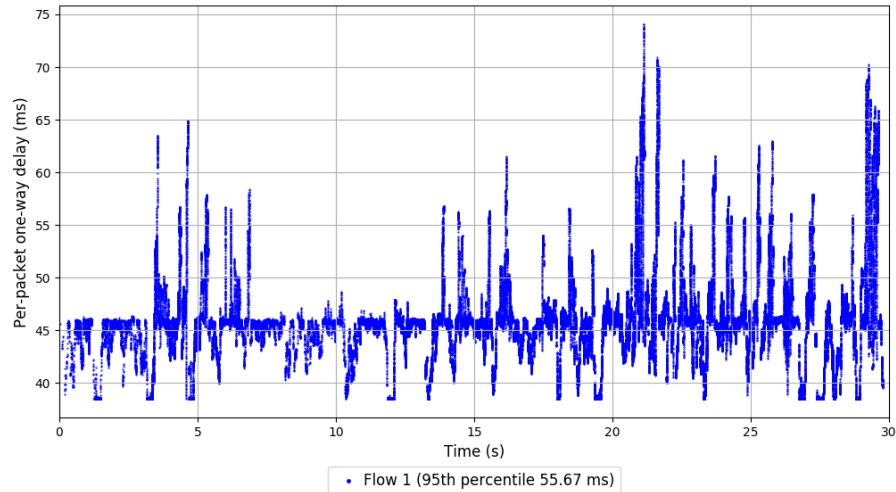
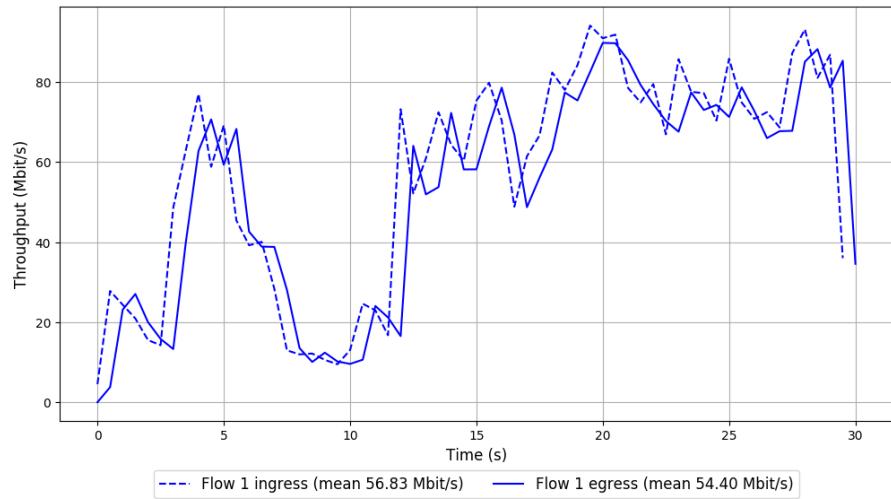


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 11:27:23
End at: 2019-07-12 11:27:53
Local clock offset: -3.35 ms
Remote clock offset: -5.27 ms

# Below is generated by plot.py at 2019-07-12 13:29:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.40 Mbit/s
95th percentile per-packet one-way delay: 55.671 ms
Loss rate: 4.50%
-- Flow 1:
Average throughput: 54.40 Mbit/s
95th percentile per-packet one-way delay: 55.671 ms
Loss rate: 4.50%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

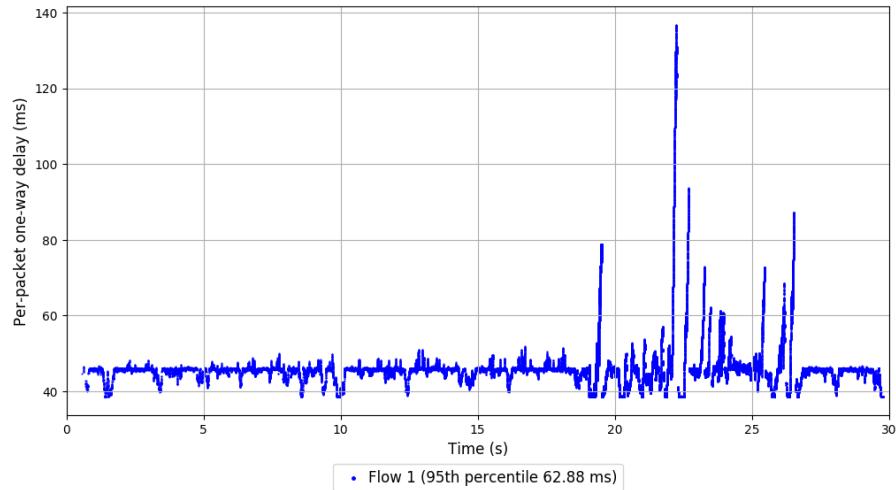
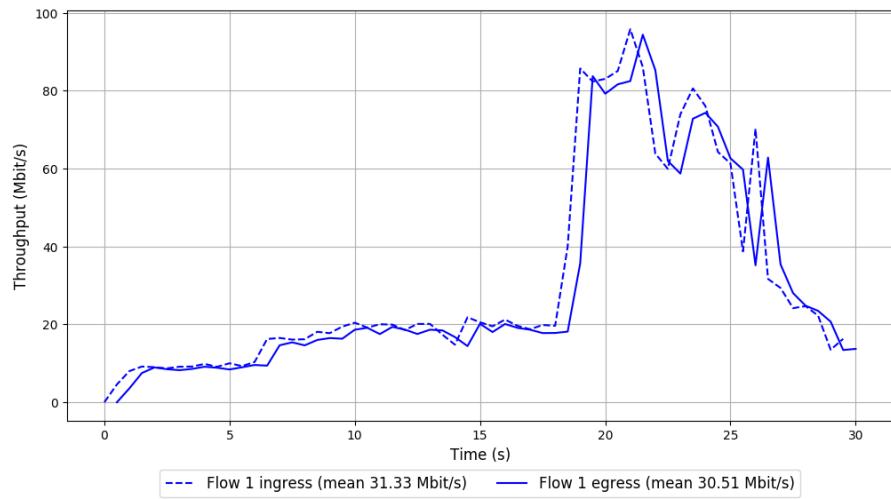


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 12:07:31
End at: 2019-07-12 12:08:01
Local clock offset: -3.002 ms
Remote clock offset: -5.258 ms

# Below is generated by plot.py at 2019-07-12 13:29:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.51 Mbit/s
95th percentile per-packet one-way delay: 62.879 ms
Loss rate: 4.50%
-- Flow 1:
Average throughput: 30.51 Mbit/s
95th percentile per-packet one-way delay: 62.879 ms
Loss rate: 4.50%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

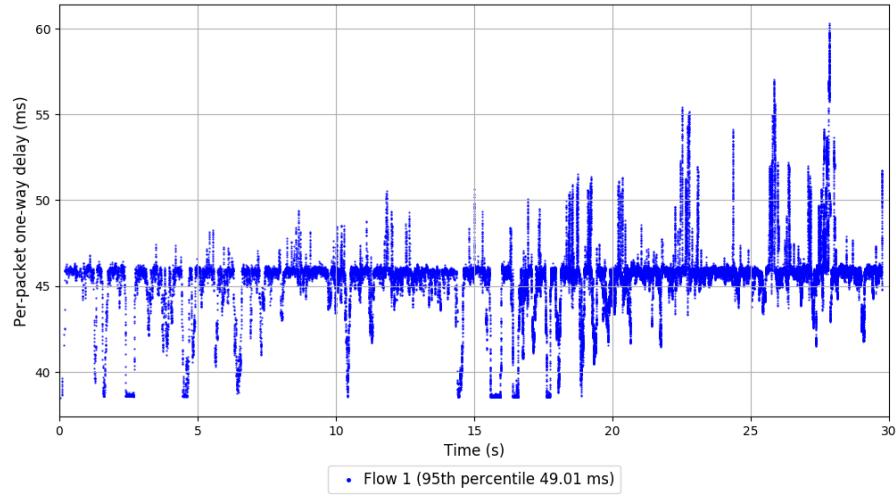
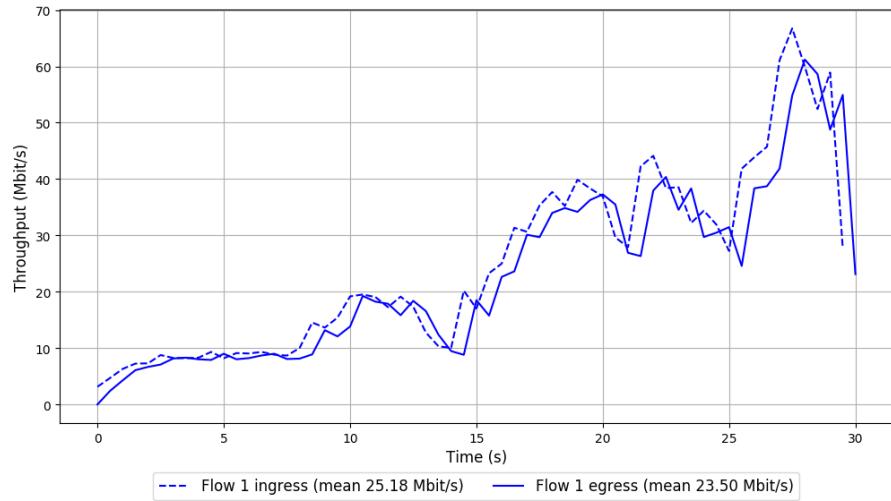


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-07-12 12:50:29
End at: 2019-07-12 12:50:59
Local clock offset: 0.742 ms
Remote clock offset: -6.271 ms

# Below is generated by plot.py at 2019-07-12 13:29:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.50 Mbit/s
95th percentile per-packet one-way delay: 49.011 ms
Loss rate: 6.84%
-- Flow 1:
Average throughput: 23.50 Mbit/s
95th percentile per-packet one-way delay: 49.011 ms
Loss rate: 6.84%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

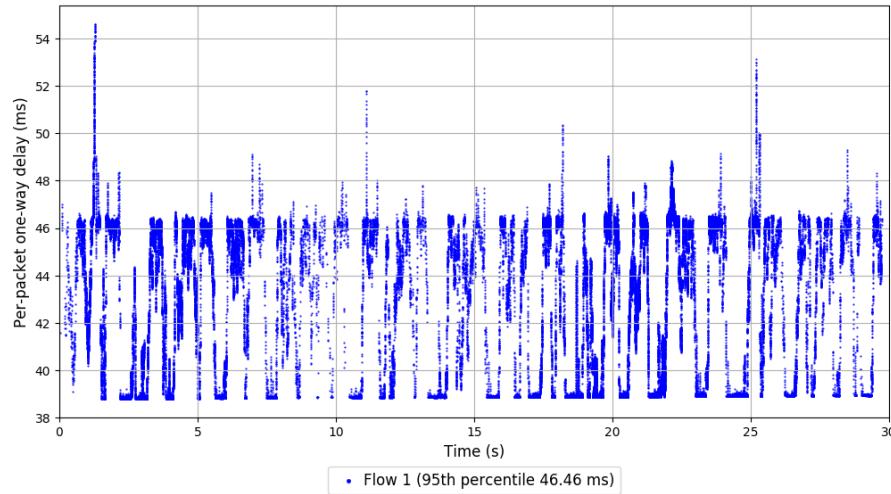
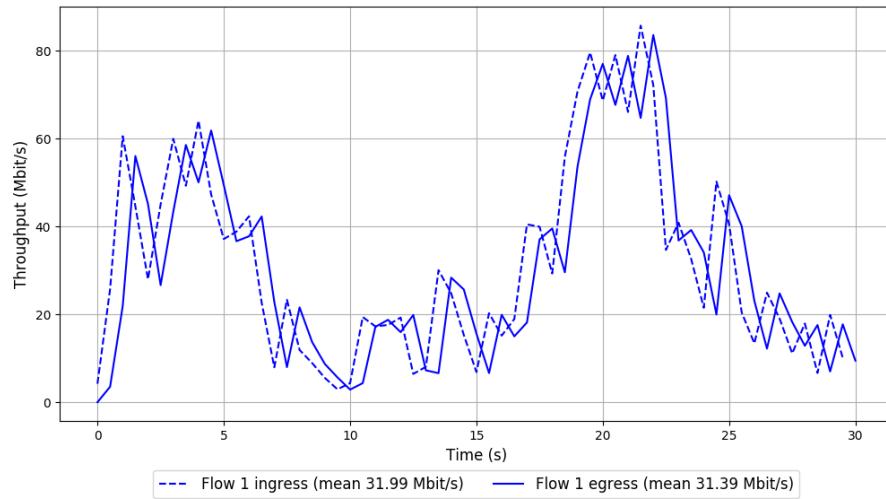


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 10:03:09
End at: 2019-07-12 10:03:39
Local clock offset: -0.692 ms
Remote clock offset: -9.188 ms

# Below is generated by plot.py at 2019-07-12 13:29:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 46.460 ms
Loss rate: 2.09%
-- Flow 1:
Average throughput: 31.39 Mbit/s
95th percentile per-packet one-way delay: 46.460 ms
Loss rate: 2.09%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

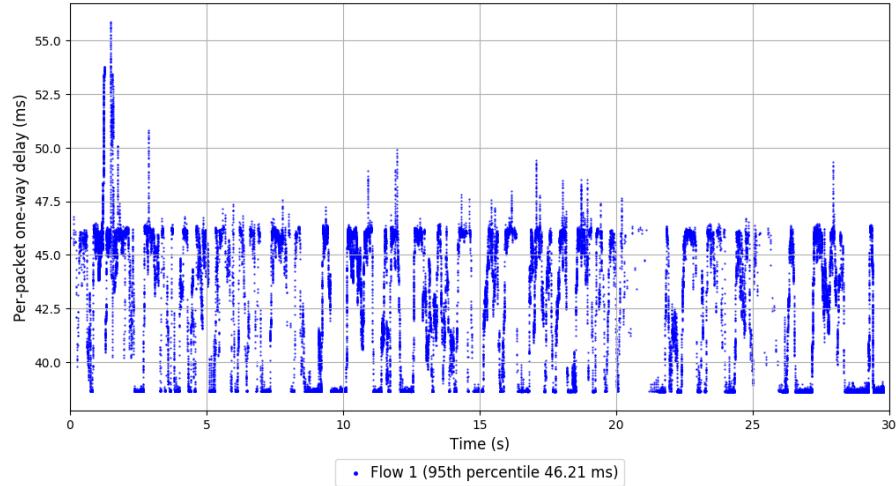
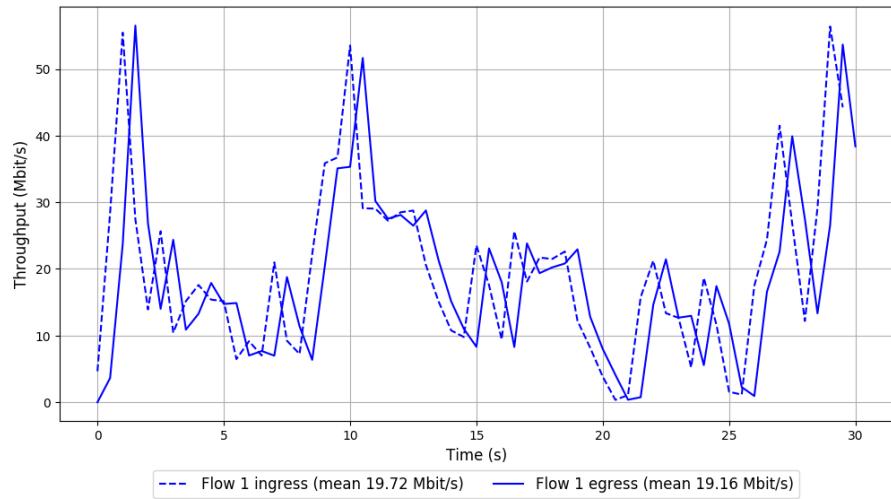


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 10:38:51
End at: 2019-07-12 10:39:21
Local clock offset: -0.827 ms
Remote clock offset: -7.424 ms

# Below is generated by plot.py at 2019-07-12 13:29:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 19.16 Mbit/s
95th percentile per-packet one-way delay: 46.206 ms
Loss rate: 3.11%
-- Flow 1:
Average throughput: 19.16 Mbit/s
95th percentile per-packet one-way delay: 46.206 ms
Loss rate: 3.11%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

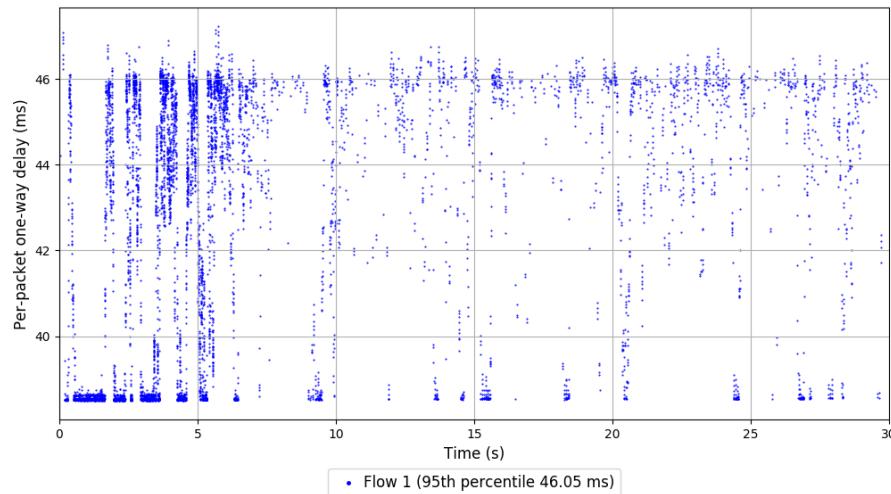
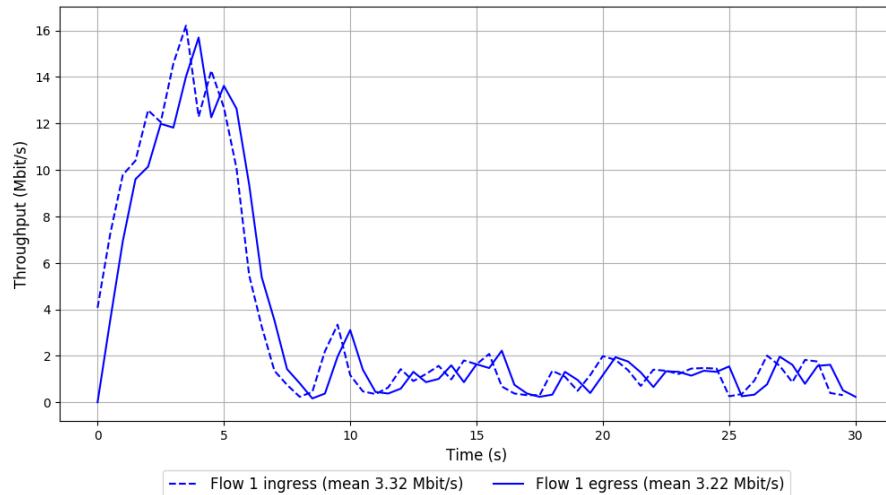


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 11:19:33
End at: 2019-07-12 11:20:03
Local clock offset: -2.972 ms
Remote clock offset: -5.467 ms

# Below is generated by plot.py at 2019-07-12 13:29:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 46.052 ms
Loss rate: 3.45%
-- Flow 1:
Average throughput: 3.22 Mbit/s
95th percentile per-packet one-way delay: 46.052 ms
Loss rate: 3.45%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

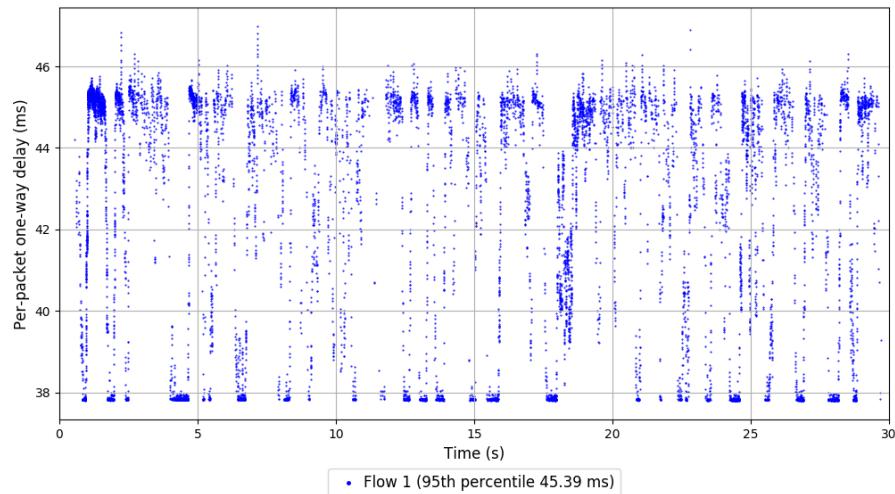
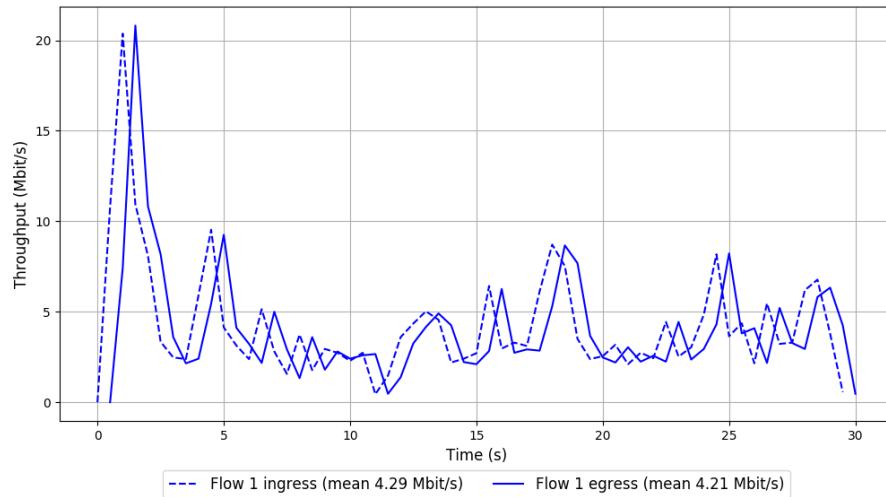


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 11:59:53
End at: 2019-07-12 12:00:23
Local clock offset: -3.223 ms
Remote clock offset: -4.421 ms

# Below is generated by plot.py at 2019-07-12 13:29:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 45.389 ms
Loss rate: 3.81%
-- Flow 1:
Average throughput: 4.21 Mbit/s
95th percentile per-packet one-way delay: 45.389 ms
Loss rate: 3.81%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

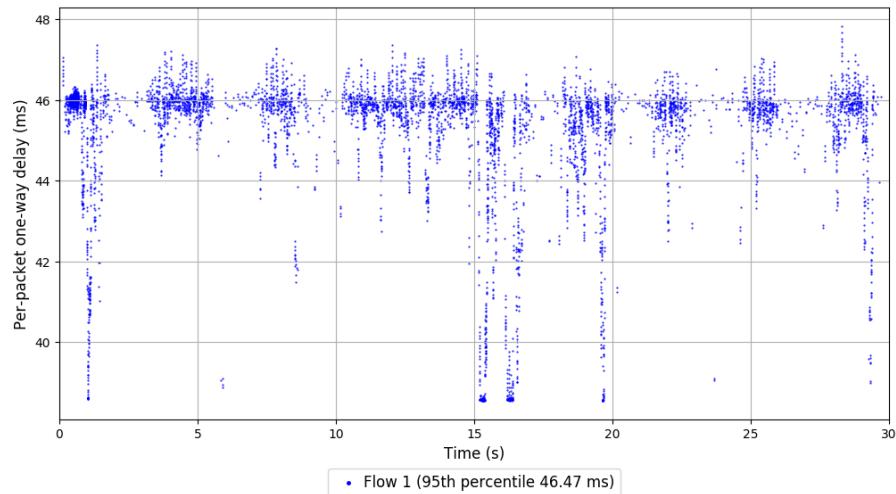
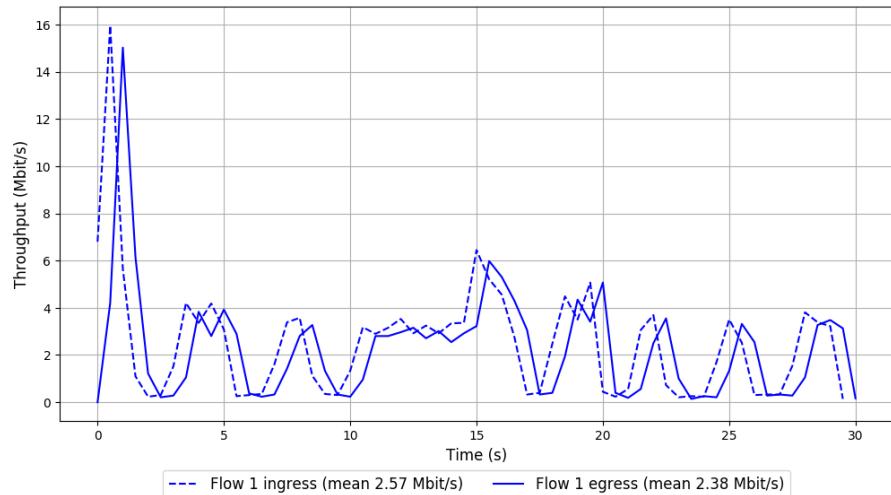


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-07-12 12:41:18
End at: 2019-07-12 12:41:48
Local clock offset: -0.111 ms
Remote clock offset: -5.841 ms

# Below is generated by plot.py at 2019-07-12 13:29:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 46.470 ms
Loss rate: 7.74%
-- Flow 1:
Average throughput: 2.38 Mbit/s
95th percentile per-packet one-way delay: 46.470 ms
Loss rate: 7.74%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

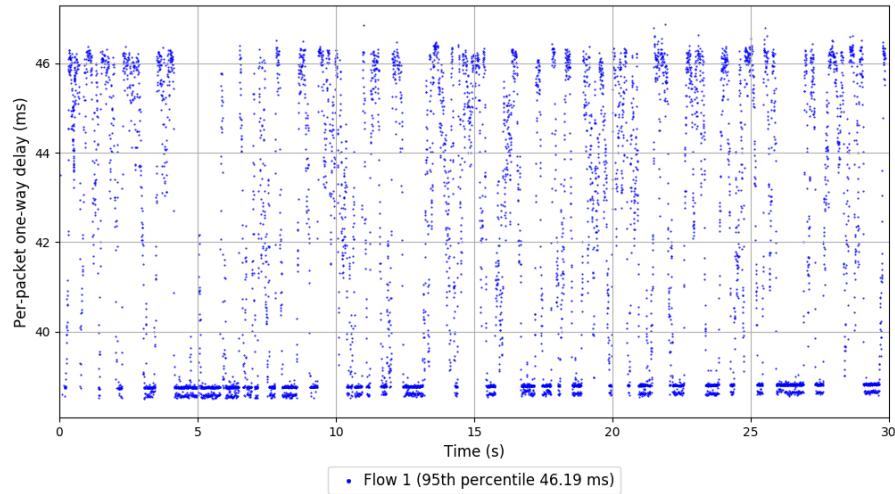
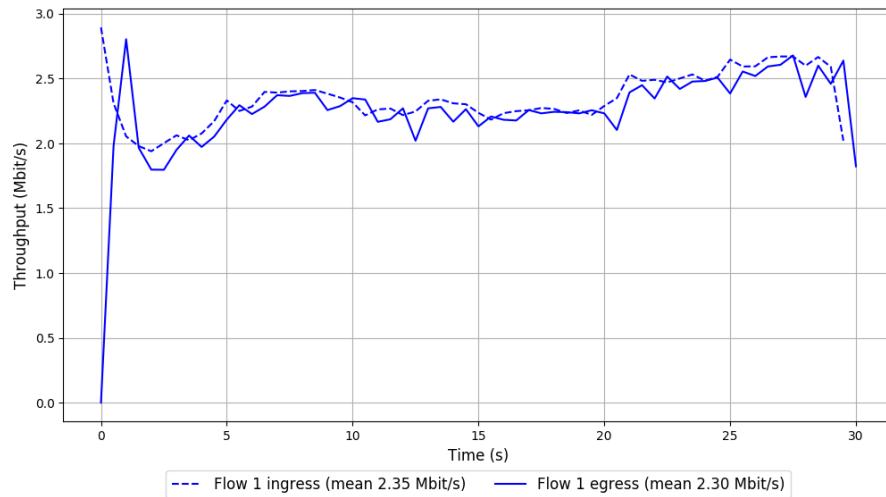


Run 1: Statistics of PCC-Allegro

```
Start at: 2019-07-12 10:12:07
End at: 2019-07-12 10:12:37
Local clock offset: -2.377 ms
Remote clock offset: -8.924 ms

# Below is generated by plot.py at 2019-07-12 13:29:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 46.190 ms
Loss rate: 2.60%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 46.190 ms
Loss rate: 2.60%
```

Run 1: Report of PCC-Allegro — Data Link

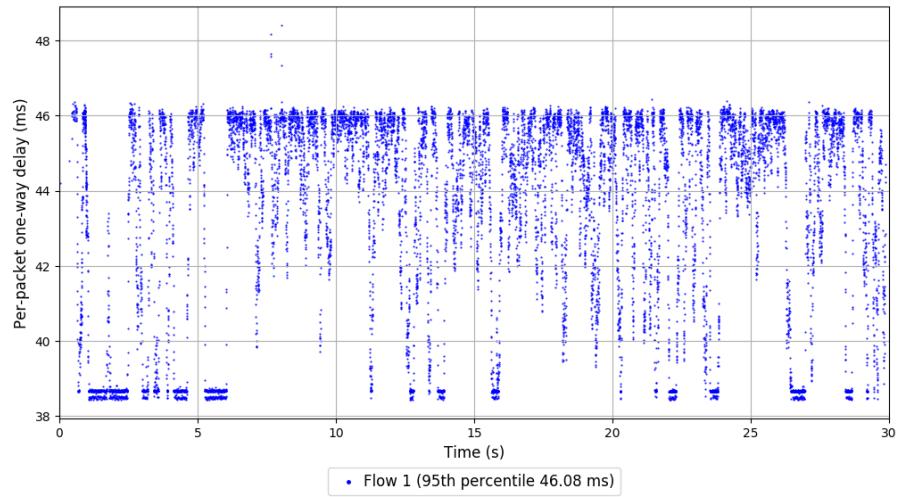
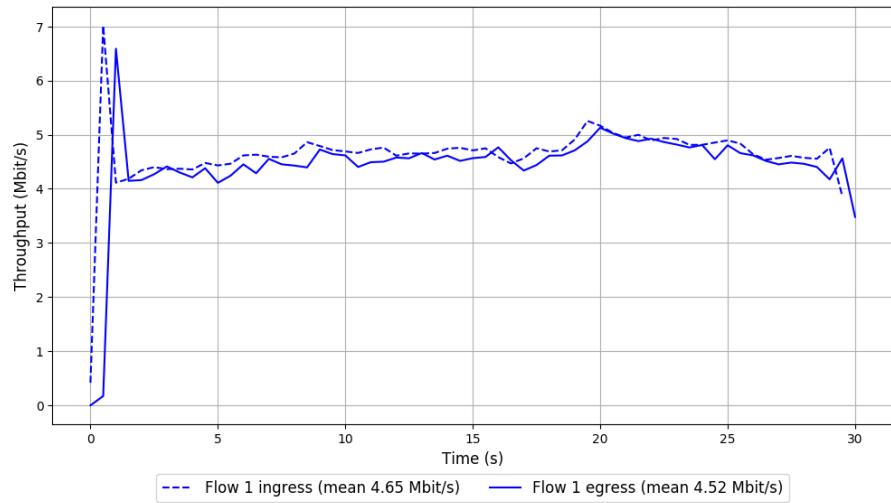


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-07-12 10:48:23
End at: 2019-07-12 10:48:53
Local clock offset: 0.119 ms
Remote clock offset: -6.765 ms

# Below is generated by plot.py at 2019-07-12 13:29:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 46.075 ms
Loss rate: 2.92%
-- Flow 1:
Average throughput: 4.52 Mbit/s
95th percentile per-packet one-way delay: 46.075 ms
Loss rate: 2.92%
```

Run 2: Report of PCC-Allegro — Data Link

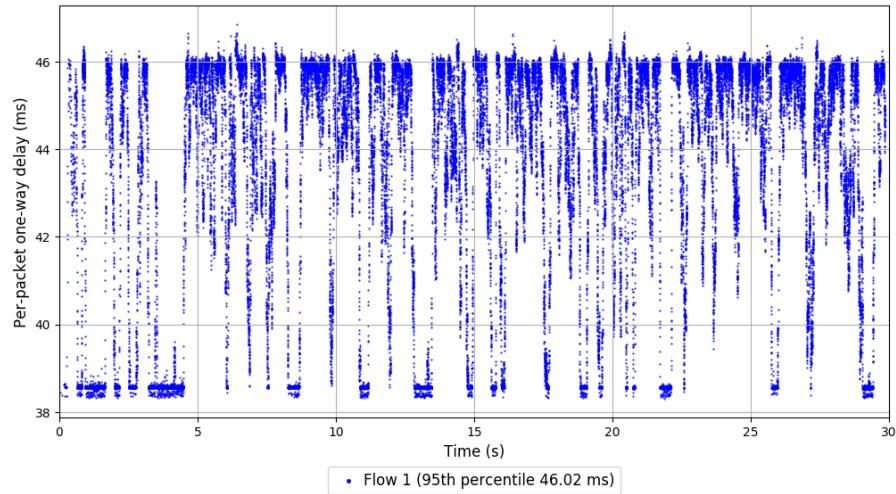
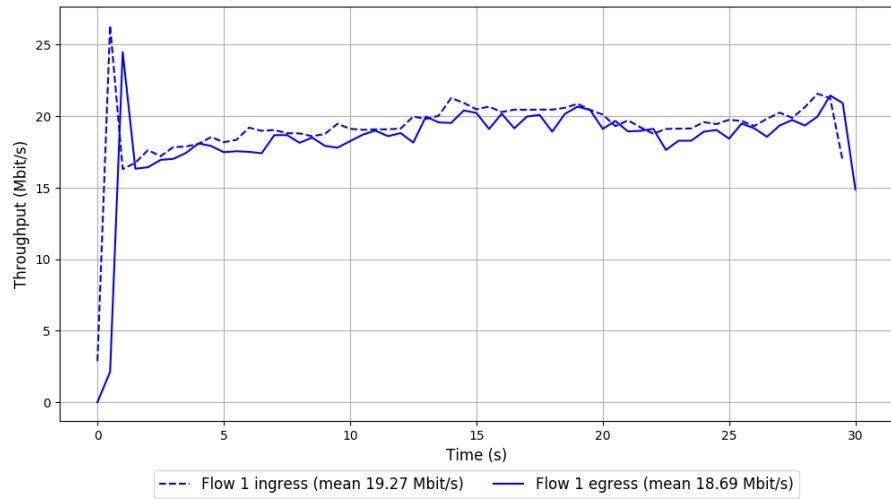


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-07-12 11:29:01
End at: 2019-07-12 11:29:31
Local clock offset: -3.393 ms
Remote clock offset: -5.298 ms

# Below is generated by plot.py at 2019-07-12 13:29:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.69 Mbit/s
95th percentile per-packet one-way delay: 46.019 ms
Loss rate: 3.22%
-- Flow 1:
Average throughput: 18.69 Mbit/s
95th percentile per-packet one-way delay: 46.019 ms
Loss rate: 3.22%
```

Run 3: Report of PCC-Allegro — Data Link

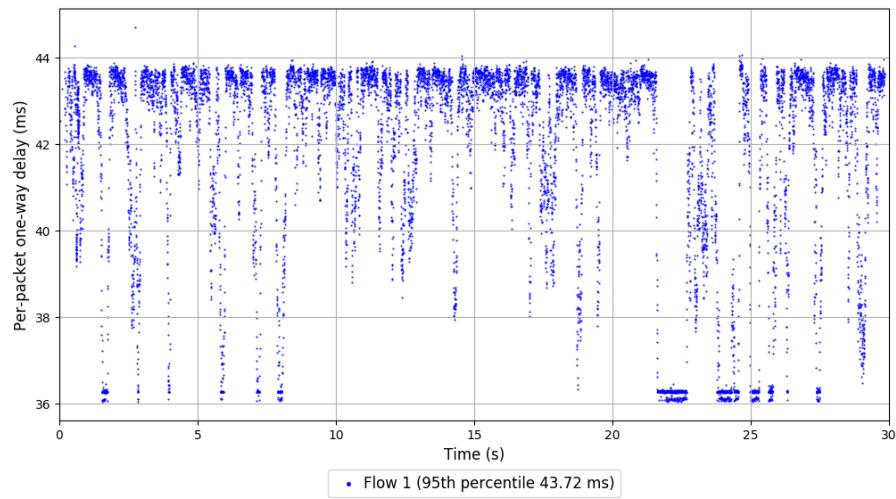
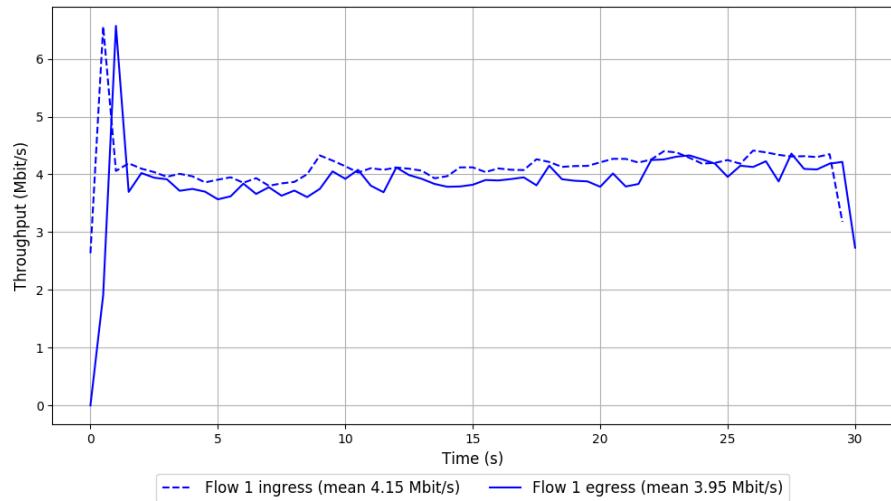


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-07-12 12:09:13
End at: 2019-07-12 12:09:43
Local clock offset: -2.996 ms
Remote clock offset: -3.0 ms

# Below is generated by plot.py at 2019-07-12 13:29:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 43.719 ms
Loss rate: 4.93%
-- Flow 1:
Average throughput: 3.95 Mbit/s
95th percentile per-packet one-way delay: 43.719 ms
Loss rate: 4.93%
```

Run 4: Report of PCC-Allegro — Data Link

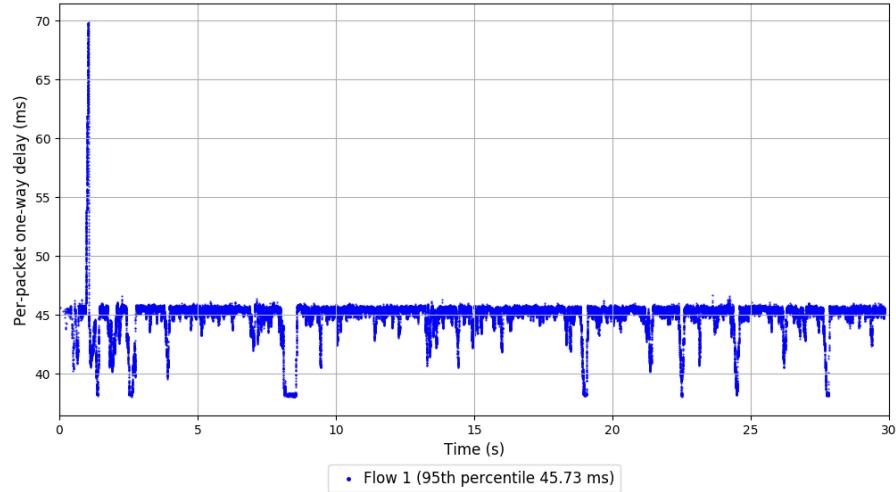
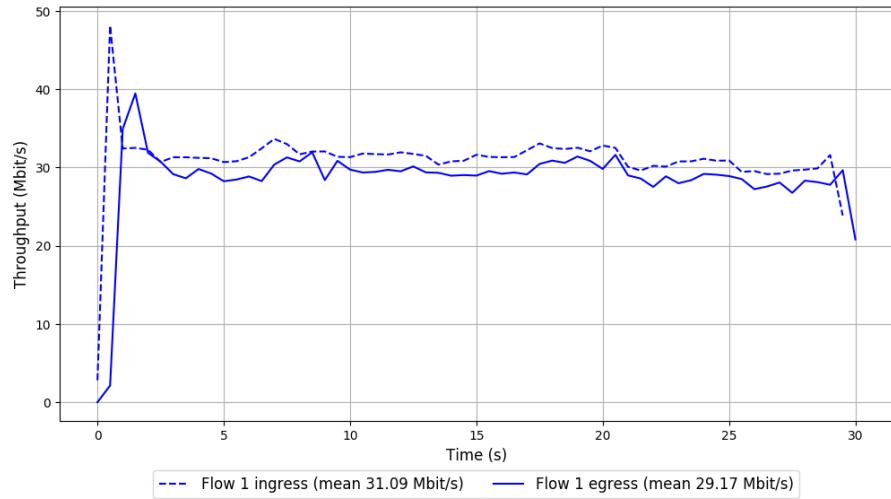


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-07-12 12:52:12
End at: 2019-07-12 12:52:43
Local clock offset: 0.808 ms
Remote clock offset: -5.964 ms

# Below is generated by plot.py at 2019-07-12 13:30:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.17 Mbit/s
95th percentile per-packet one-way delay: 45.726 ms
Loss rate: 6.38%
-- Flow 1:
Average throughput: 29.17 Mbit/s
95th percentile per-packet one-way delay: 45.726 ms
Loss rate: 6.38%
```

Run 5: Report of PCC-Allegro — Data Link

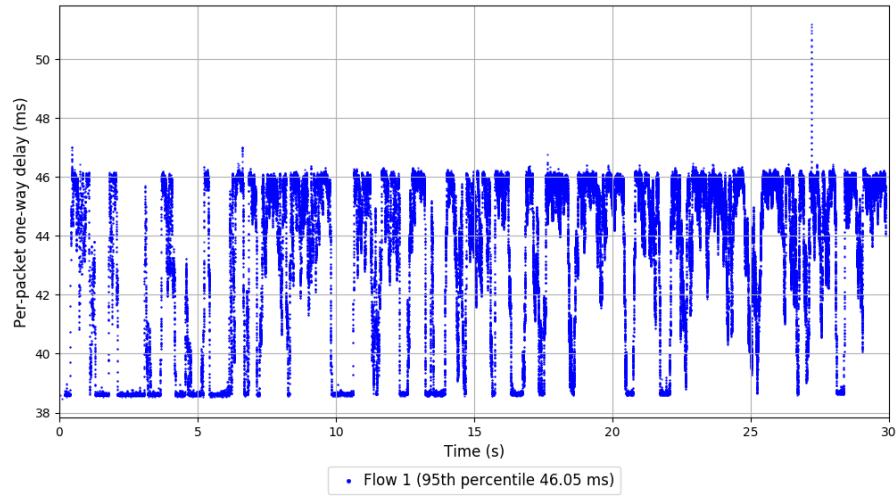
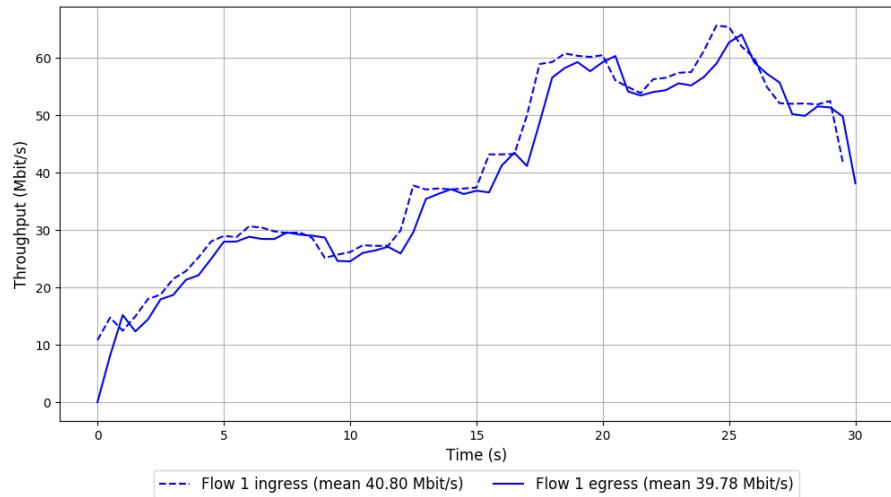


Run 1: Statistics of PCC-Expr

```
Start at: 2019-07-12 10:13:20
End at: 2019-07-12 10:13:50
Local clock offset: -2.527 ms
Remote clock offset: -8.869 ms

# Below is generated by plot.py at 2019-07-12 13:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.78 Mbit/s
95th percentile per-packet one-way delay: 46.052 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 39.78 Mbit/s
95th percentile per-packet one-way delay: 46.052 ms
Loss rate: 2.69%
```

Run 1: Report of PCC-Expr — Data Link

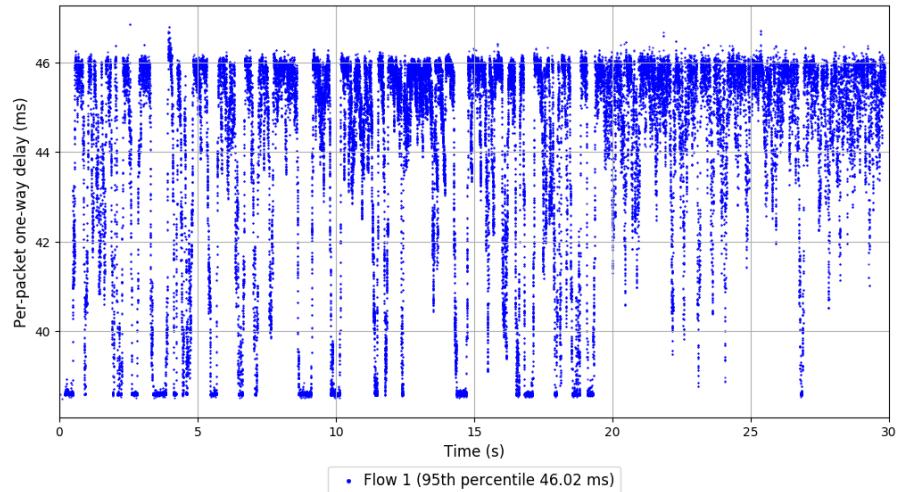
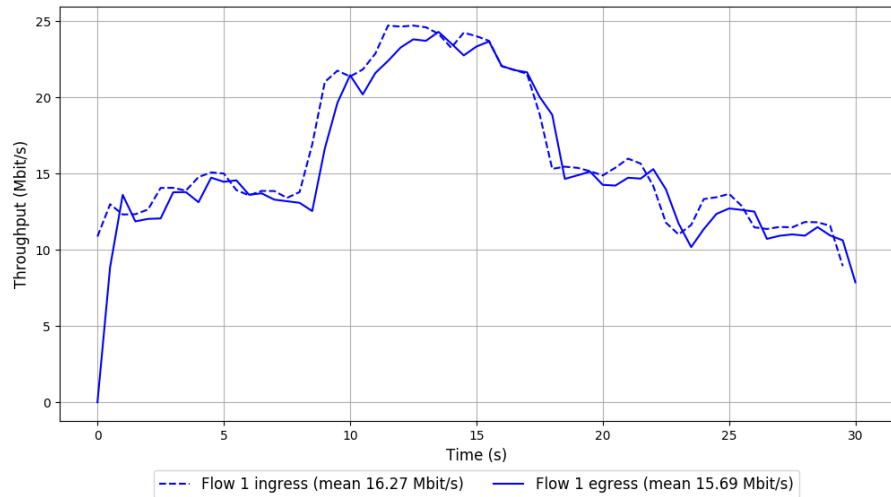


Run 2: Statistics of PCC-Expr

```
Start at: 2019-07-12 10:49:35
End at: 2019-07-12 10:50:05
Local clock offset: 0.199 ms
Remote clock offset: -6.705 ms

# Below is generated by plot.py at 2019-07-12 13:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.69 Mbit/s
95th percentile per-packet one-way delay: 46.018 ms
Loss rate: 3.78%
-- Flow 1:
Average throughput: 15.69 Mbit/s
95th percentile per-packet one-way delay: 46.018 ms
Loss rate: 3.78%
```

Run 2: Report of PCC-Expr — Data Link

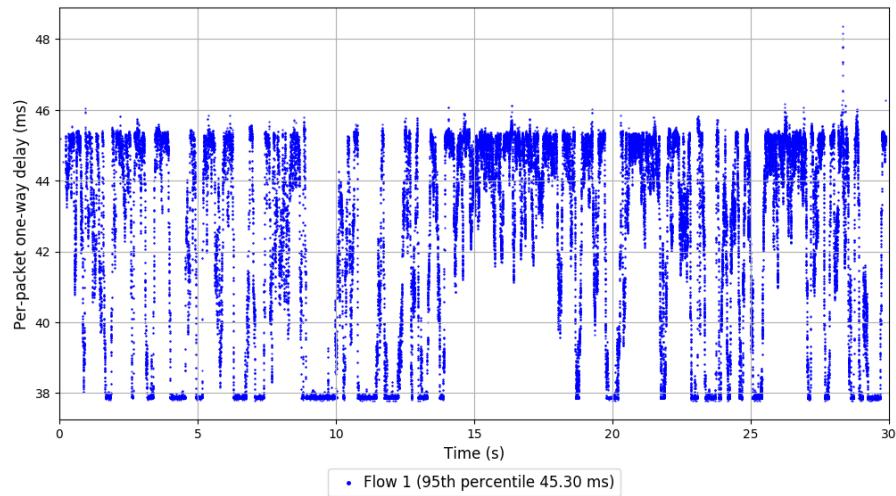
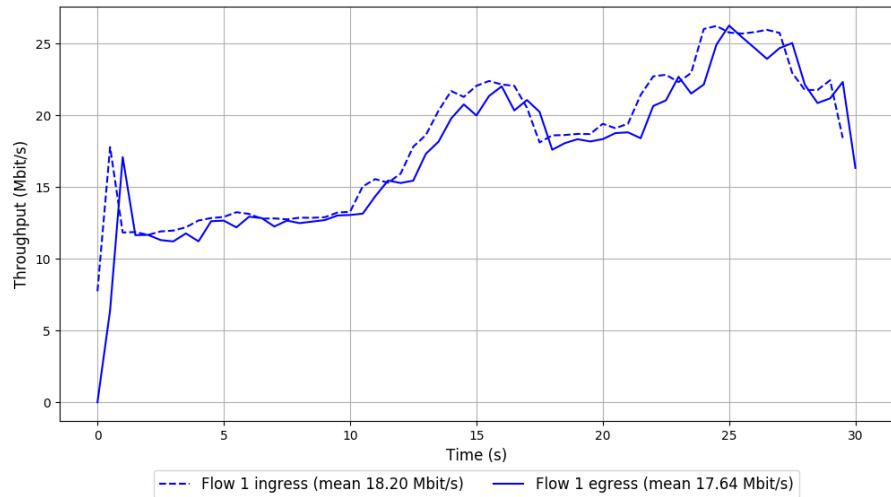


Run 3: Statistics of PCC-Expr

```
Start at: 2019-07-12 11:30:19
End at: 2019-07-12 11:30:49
Local clock offset: -3.357 ms
Remote clock offset: -4.543 ms

# Below is generated by plot.py at 2019-07-12 13:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.64 Mbit/s
95th percentile per-packet one-way delay: 45.296 ms
Loss rate: 3.31%
-- Flow 1:
Average throughput: 17.64 Mbit/s
95th percentile per-packet one-way delay: 45.296 ms
Loss rate: 3.31%
```

Run 3: Report of PCC-Expr — Data Link

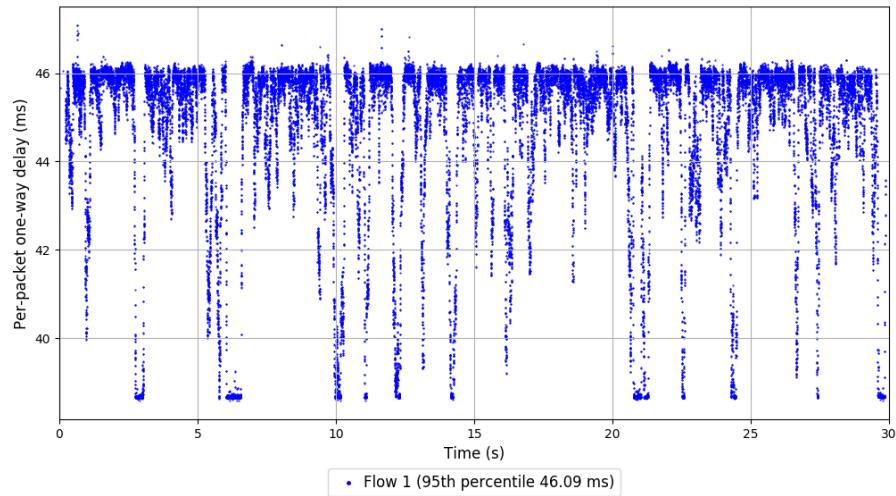
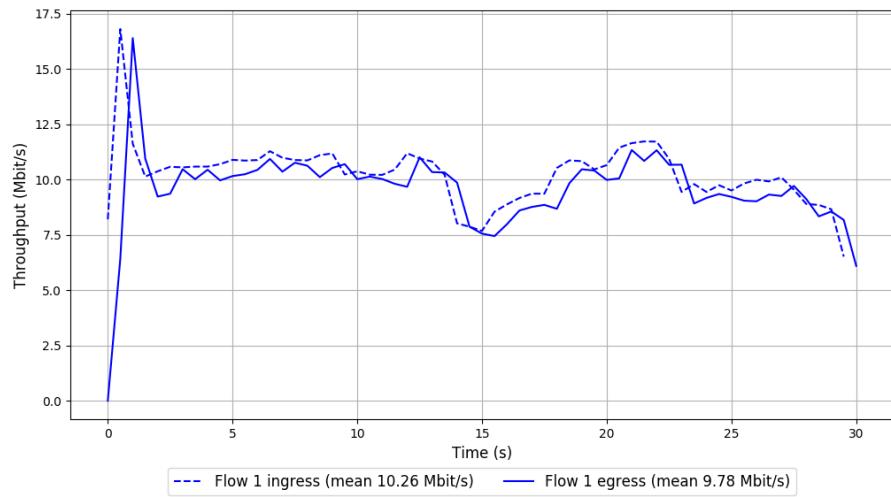


Run 4: Statistics of PCC-Expr

```
Start at: 2019-07-12 12:10:30
End at: 2019-07-12 12:11:00
Local clock offset: -2.981 ms
Remote clock offset: -5.305 ms

# Below is generated by plot.py at 2019-07-12 13:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.78 Mbit/s
95th percentile per-packet one-way delay: 46.094 ms
Loss rate: 4.85%
-- Flow 1:
Average throughput: 9.78 Mbit/s
95th percentile per-packet one-way delay: 46.094 ms
Loss rate: 4.85%
```

Run 4: Report of PCC-Expr — Data Link

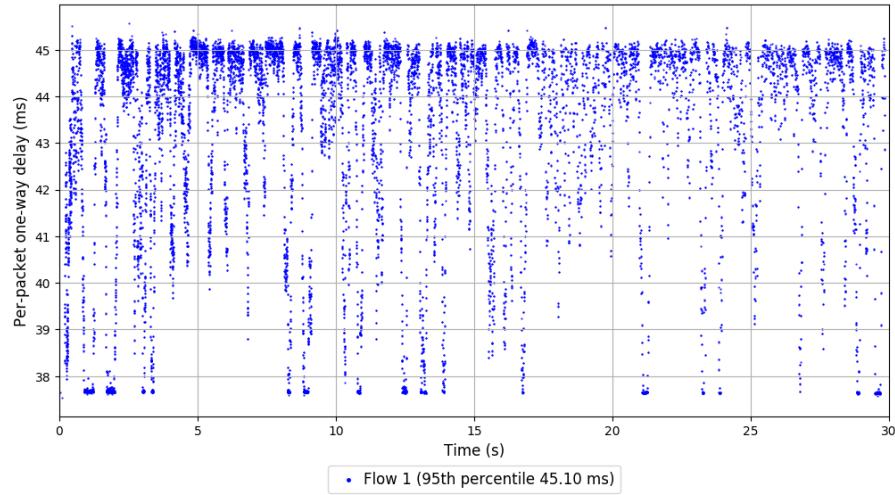
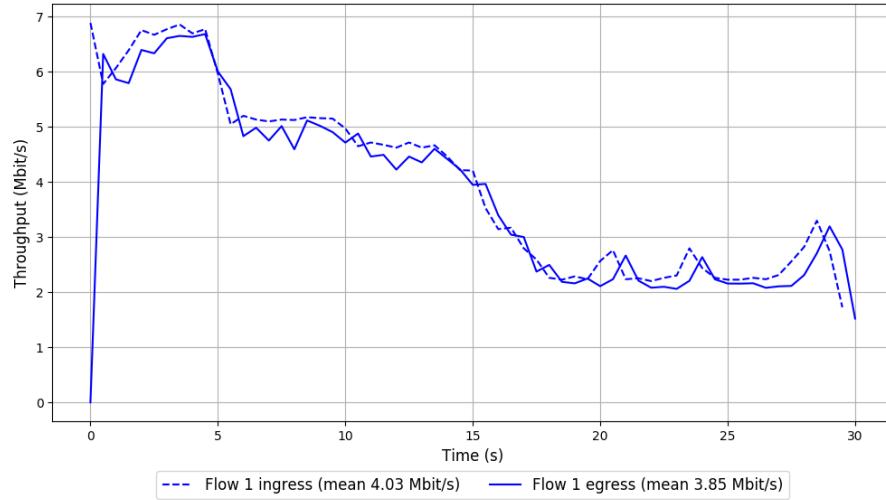


Run 5: Statistics of PCC-Expr

```
Start at: 2019-07-12 12:53:56
End at: 2019-07-12 12:54:26
Local clock offset: 0.939 ms
Remote clock offset: -5.418 ms

# Below is generated by plot.py at 2019-07-12 13:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 45.097 ms
Loss rate: 4.74%
-- Flow 1:
Average throughput: 3.85 Mbit/s
95th percentile per-packet one-way delay: 45.097 ms
Loss rate: 4.74%
```

Run 5: Report of PCC-Expr — Data Link

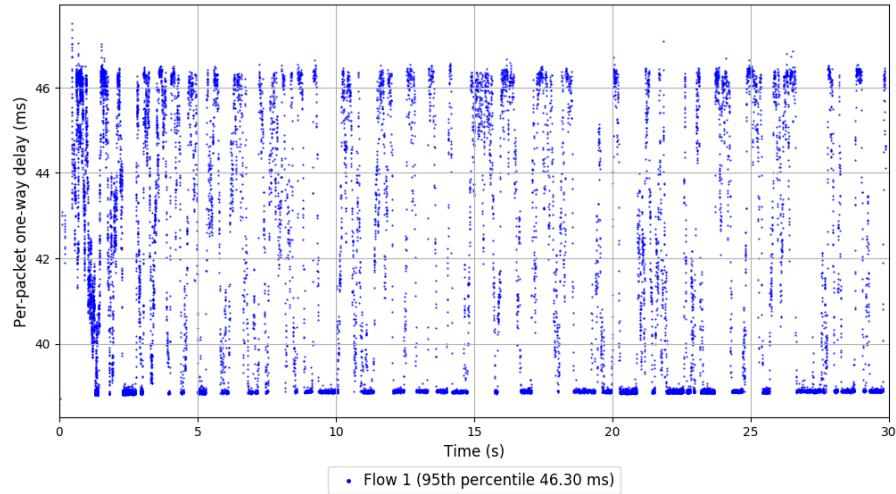
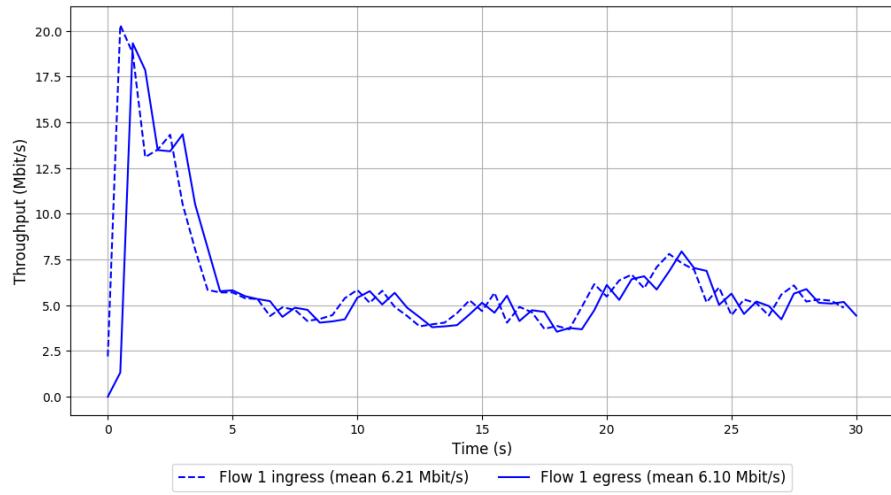


Run 1: Statistics of QUIC Cubic

```
Start at: 2019-07-12 10:24:44
End at: 2019-07-12 10:25:14
Local clock offset: -3.303 ms
Remote clock offset: -8.229 ms

# Below is generated by plot.py at 2019-07-12 13:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.10 Mbit/s
95th percentile per-packet one-way delay: 46.296 ms
Loss rate: 2.00%
-- Flow 1:
Average throughput: 6.10 Mbit/s
95th percentile per-packet one-way delay: 46.296 ms
Loss rate: 2.00%
```

Run 1: Report of QUIC Cubic — Data Link

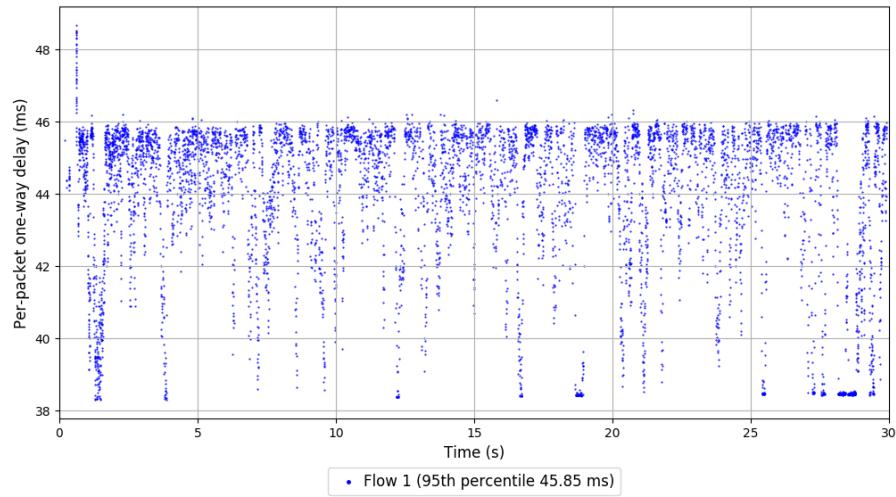
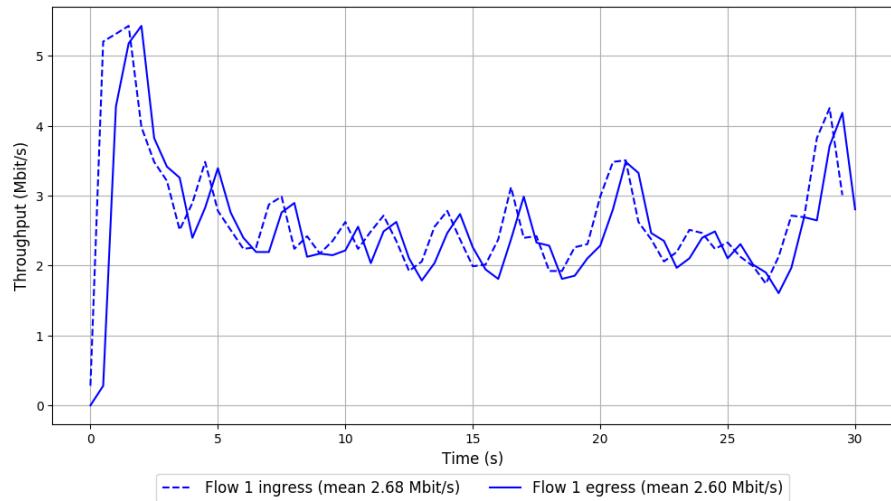


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-07-12 11:03:19
End at: 2019-07-12 11:03:49
Local clock offset: -0.886 ms
Remote clock offset: -5.606 ms

# Below is generated by plot.py at 2019-07-12 13:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 45.847 ms
Loss rate: 3.97%
-- Flow 1:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 45.847 ms
Loss rate: 3.97%
```

Run 2: Report of QUIC Cubic — Data Link

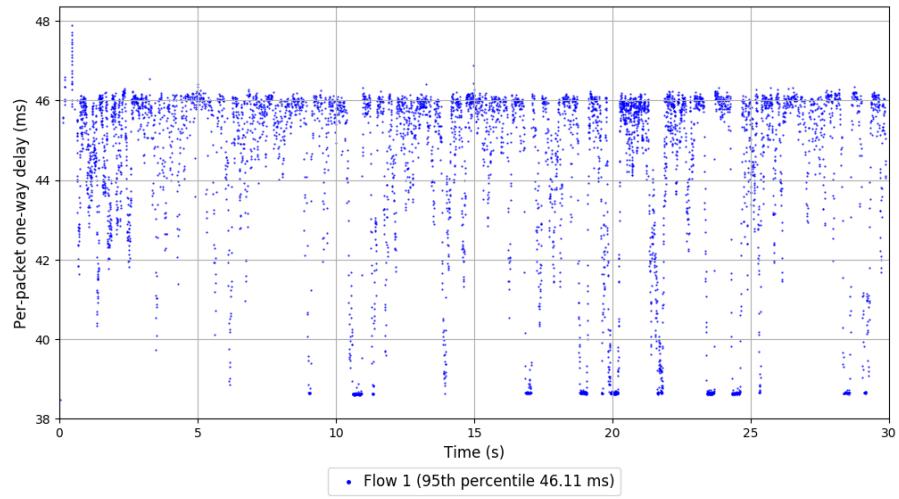
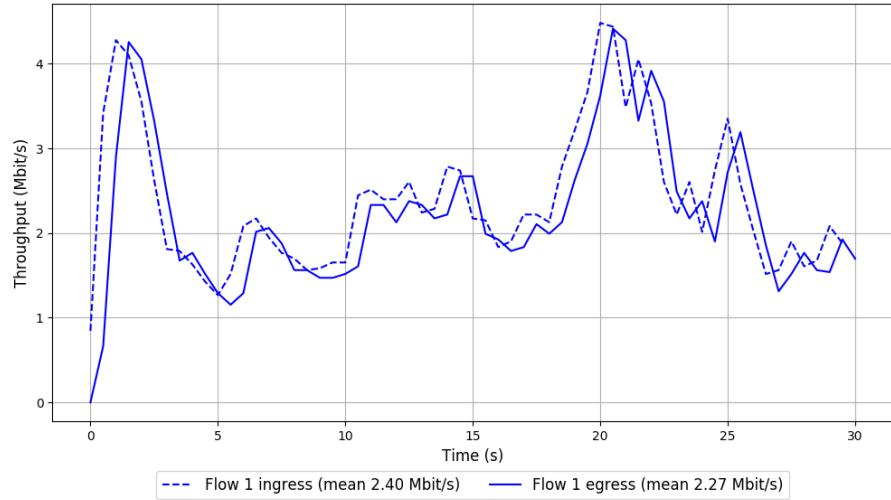


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-07-12 11:43:44
End at: 2019-07-12 11:44:14
Local clock offset: -3.134 ms
Remote clock offset: -5.05 ms

# Below is generated by plot.py at 2019-07-12 13:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 46.111 ms
Loss rate: 5.30%
-- Flow 1:
Average throughput: 2.27 Mbit/s
95th percentile per-packet one-way delay: 46.111 ms
Loss rate: 5.30%
```

Run 3: Report of QUIC Cubic — Data Link

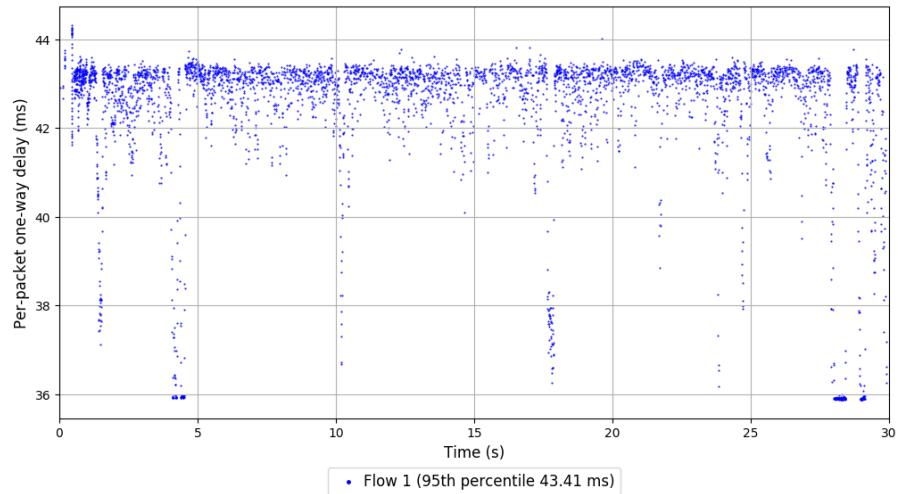
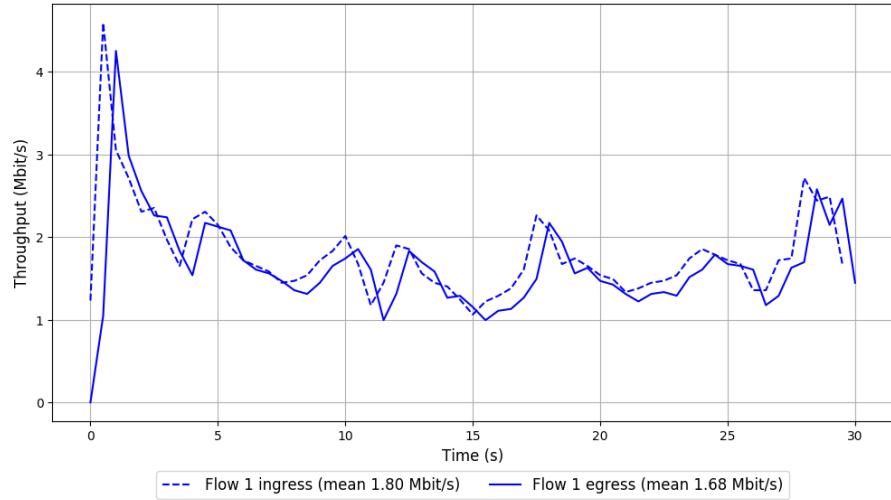


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-07-12 12:24:13
End at: 2019-07-12 12:24:43
Local clock offset: -2.971 ms
Remote clock offset: -2.57 ms

# Below is generated by plot.py at 2019-07-12 13:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 43.406 ms
Loss rate: 6.56%
-- Flow 1:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 43.406 ms
Loss rate: 6.56%
```

Run 4: Report of QUIC Cubic — Data Link

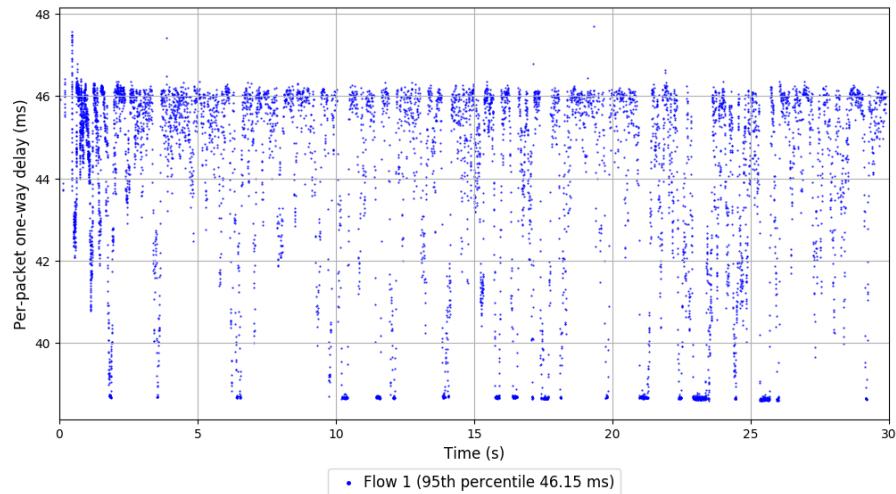
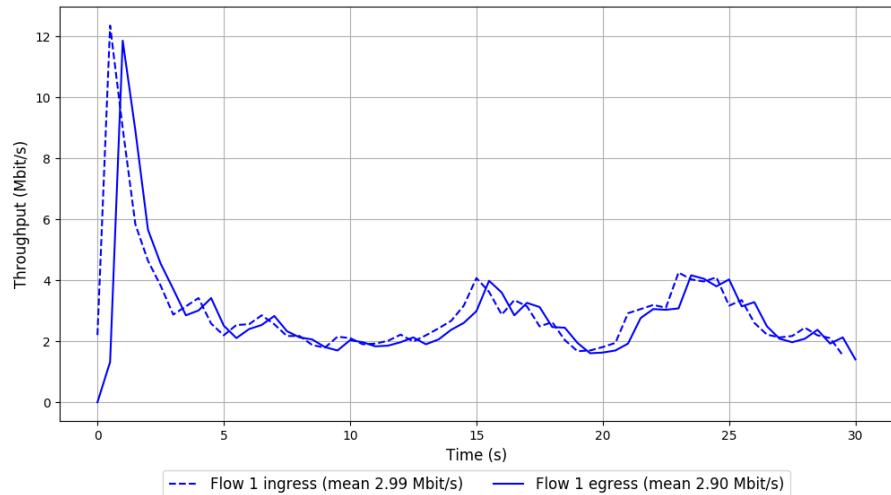


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-07-12 13:07:36
End at: 2019-07-12 13:08:06
Local clock offset: 2.869 ms
Remote clock offset: -6.946 ms

# Below is generated by plot.py at 2019-07-12 13:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.90 Mbit/s
95th percentile per-packet one-way delay: 46.147 ms
Loss rate: 3.57%
-- Flow 1:
Average throughput: 2.90 Mbit/s
95th percentile per-packet one-way delay: 46.147 ms
Loss rate: 3.57%
```

Run 5: Report of QUIC Cubic — Data Link

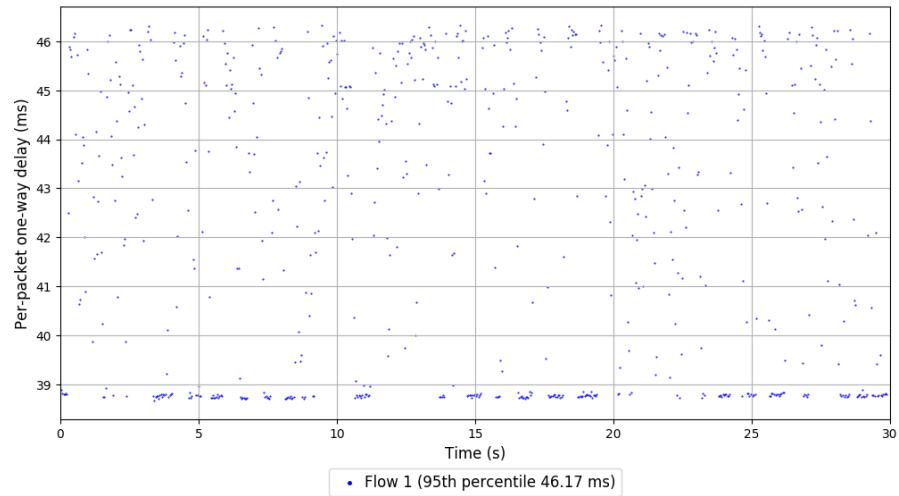
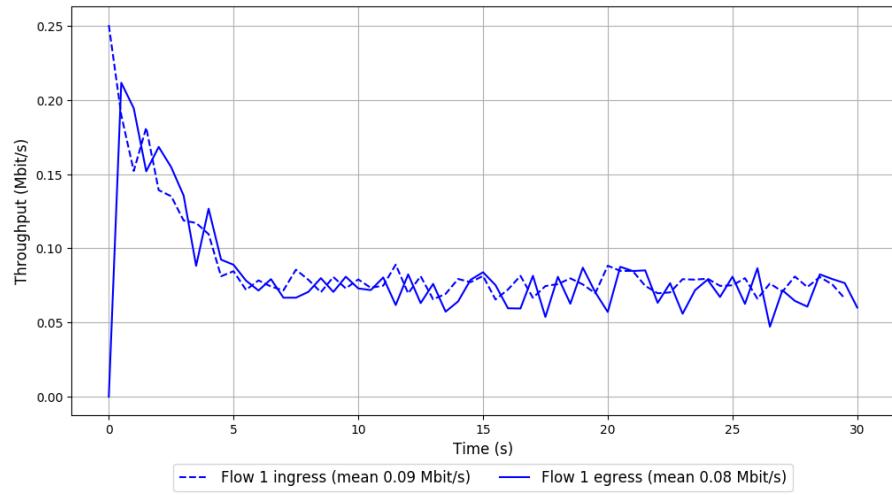


```
Run 1: Statistics of SCReAM
```

```
Start at: 2019-07-12 10:15:13
End at: 2019-07-12 10:15:43
Local clock offset: -2.69 ms
Remote clock offset: -8.845 ms

# Below is generated by plot.py at 2019-07-12 13:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 46.171 ms
Loss rate: 5.21%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 46.171 ms
Loss rate: 5.21%
```

Run 1: Report of SCReAM — Data Link

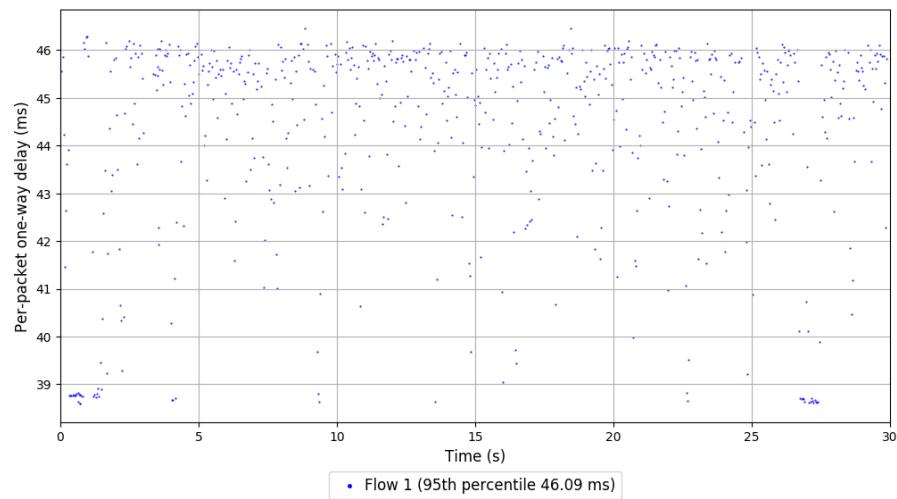
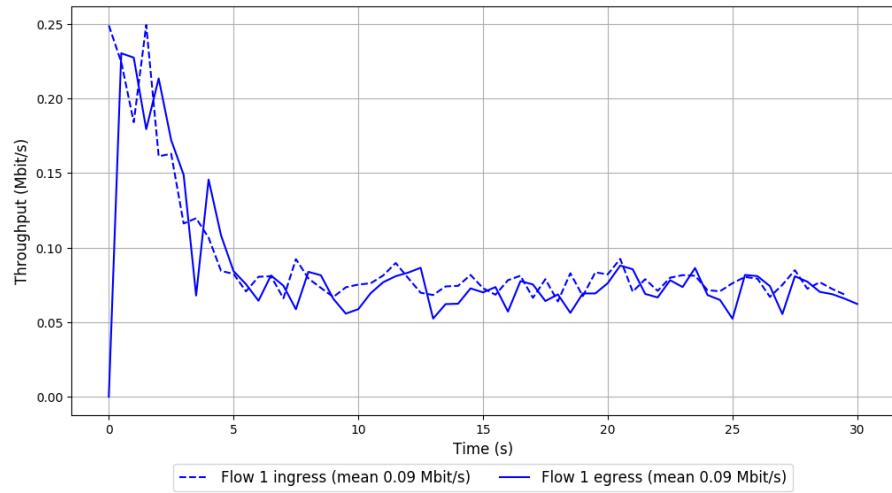


Run 2: Statistics of SCReAM

```
Start at: 2019-07-12 10:51:18
End at: 2019-07-12 10:51:48
Local clock offset: 0.326 ms
Remote clock offset: -6.643 ms

# Below is generated by plot.py at 2019-07-12 13:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 46.090 ms
Loss rate: 6.18%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 46.090 ms
Loss rate: 6.18%
```

Run 2: Report of SCReAM — Data Link

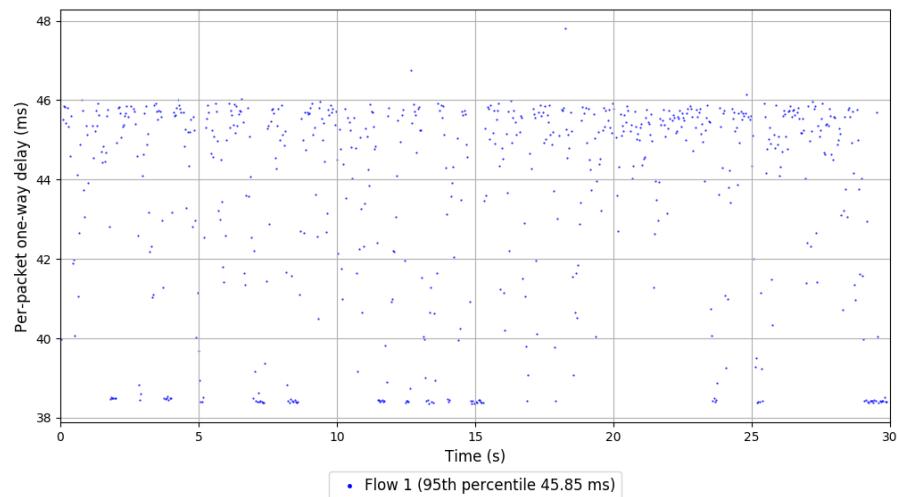
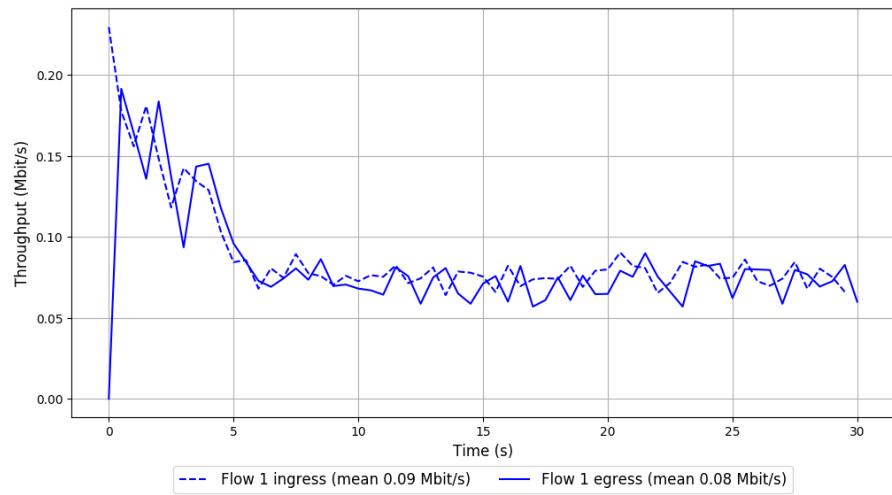


Run 3: Statistics of SCReAM

```
Start at: 2019-07-12 11:31:44
End at: 2019-07-12 11:32:14
Local clock offset: -3.302 ms
Remote clock offset: -5.299 ms

# Below is generated by plot.py at 2019-07-12 13:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 45.855 ms
Loss rate: 5.99%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 45.855 ms
Loss rate: 5.99%
```

Run 3: Report of SCReAM — Data Link

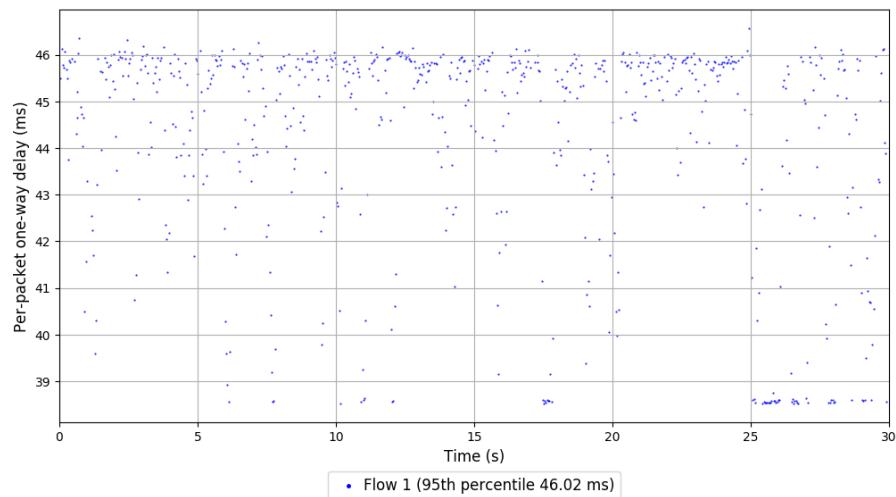
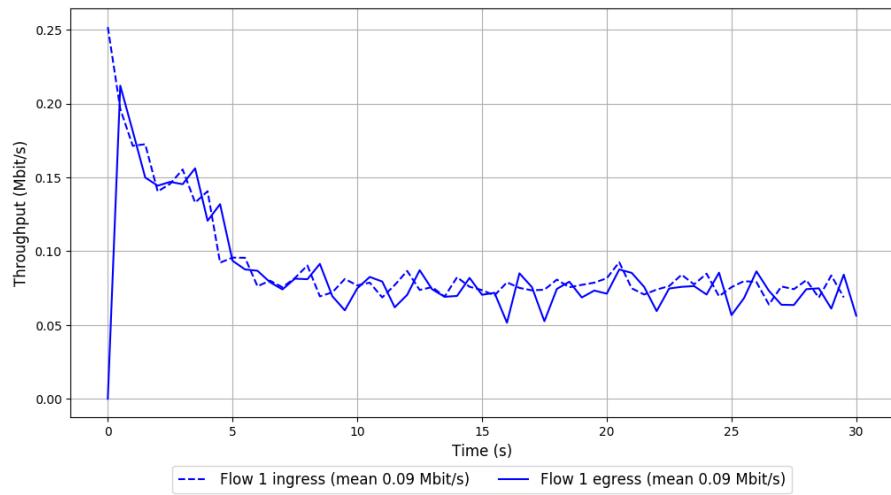


Run 4: Statistics of SCReAM

```
Start at: 2019-07-12 12:11:55
End at: 2019-07-12 12:12:25
Local clock offset: -2.959 ms
Remote clock offset: -5.292 ms

# Below is generated by plot.py at 2019-07-12 13:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 46.025 ms
Loss rate: 5.54%
-- Flow 1:
Average throughput: 0.09 Mbit/s
95th percentile per-packet one-way delay: 46.025 ms
Loss rate: 5.54%
```

Run 4: Report of SCReAM — Data Link

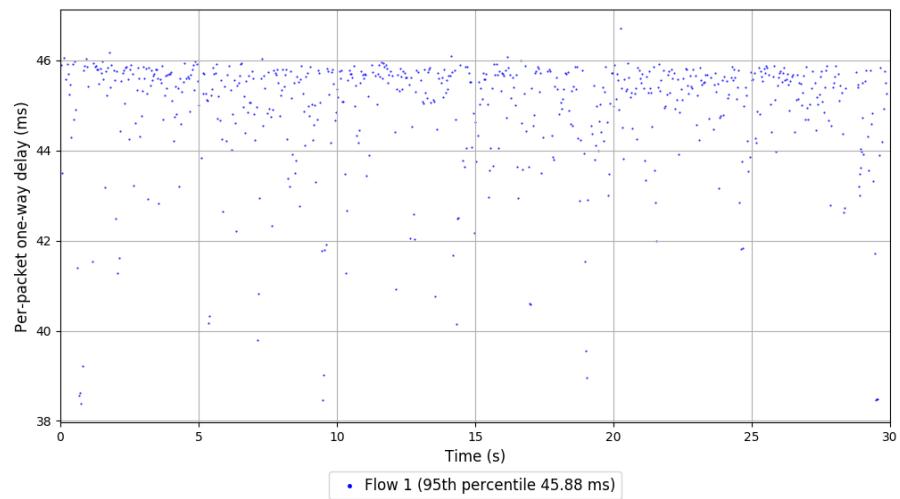
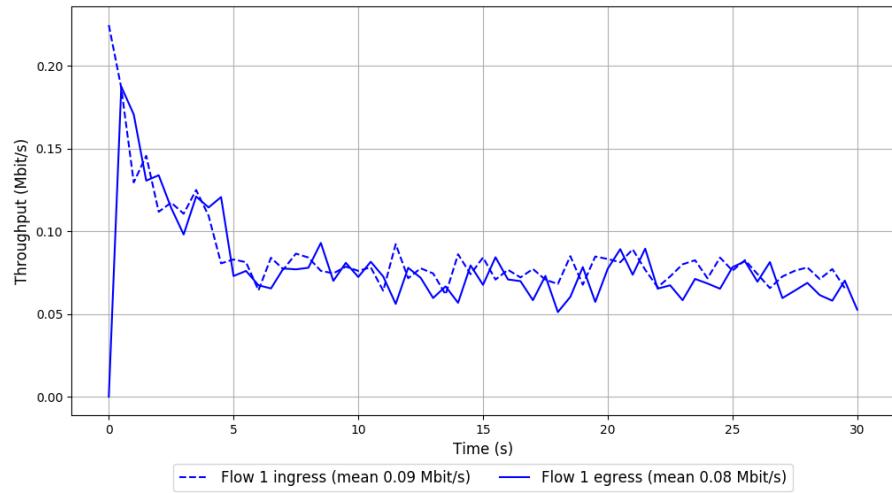


Run 5: Statistics of SCReAM

```
Start at: 2019-07-12 12:55:10
End at: 2019-07-12 12:55:40
Local clock offset: 1.009 ms
Remote clock offset: -6.351 ms

# Below is generated by plot.py at 2019-07-12 13:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 45.882 ms
Loss rate: 7.43%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 45.882 ms
Loss rate: 7.43%
```

Run 5: Report of SCReAM — Data Link

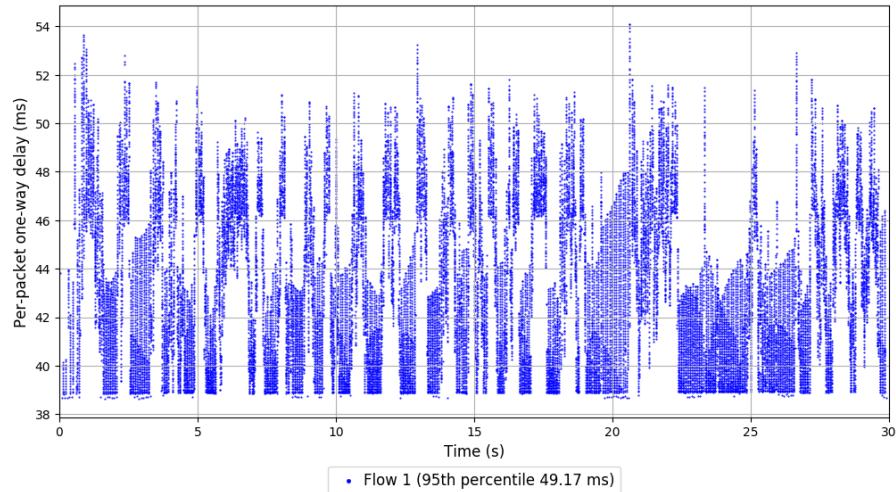
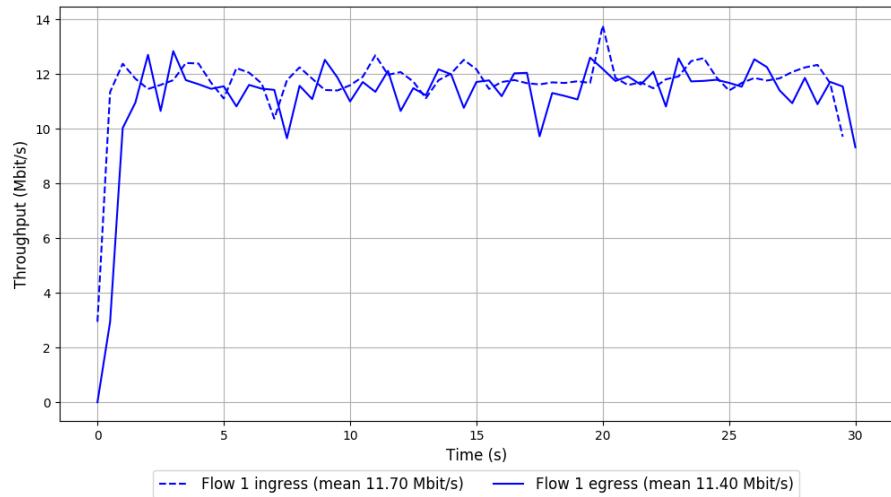


Run 1: Statistics of Sprout

```
Start at: 2019-07-12 10:18:15
End at: 2019-07-12 10:18:45
Local clock offset: -2.929 ms
Remote clock offset: -8.578 ms

# Below is generated by plot.py at 2019-07-12 13:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 49.167 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 11.40 Mbit/s
95th percentile per-packet one-way delay: 49.167 ms
Loss rate: 2.65%
```

Run 1: Report of Sprout — Data Link

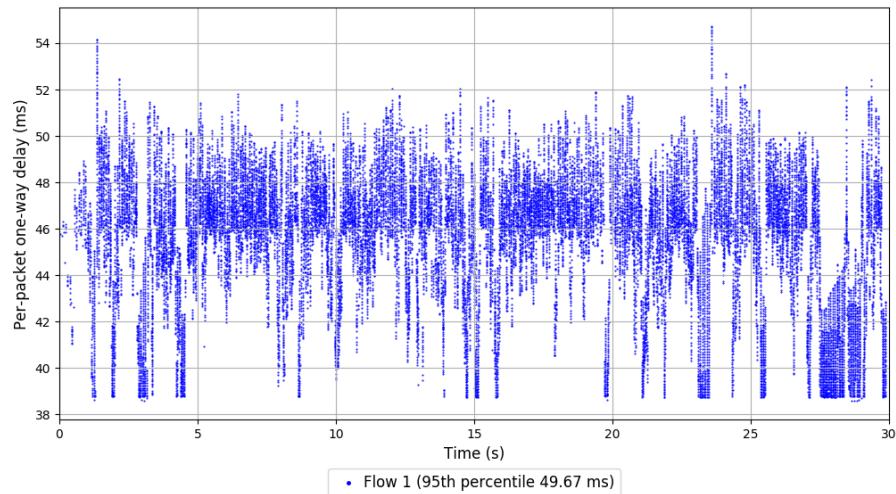
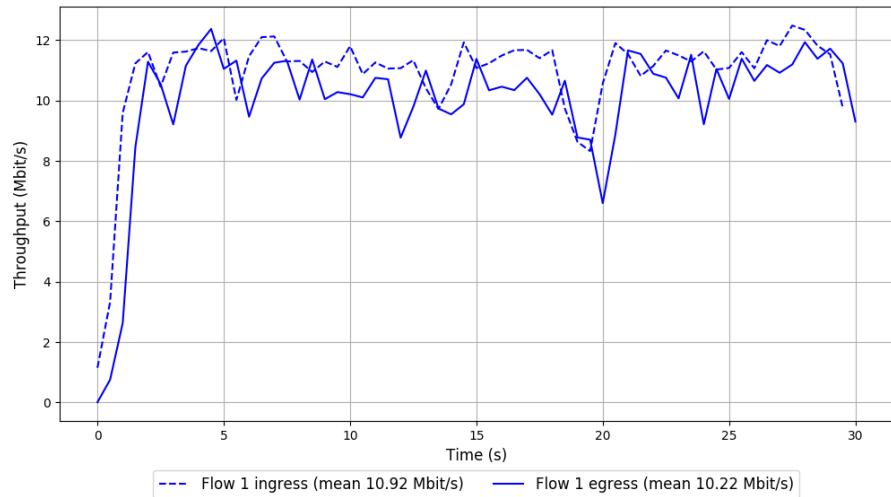


Run 2: Statistics of Sprout

```
Start at: 2019-07-12 10:54:43
End at: 2019-07-12 10:55:13
Local clock offset: 0.463 ms
Remote clock offset: -6.473 ms

# Below is generated by plot.py at 2019-07-12 13:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.22 Mbit/s
95th percentile per-packet one-way delay: 49.669 ms
Loss rate: 6.63%
-- Flow 1:
Average throughput: 10.22 Mbit/s
95th percentile per-packet one-way delay: 49.669 ms
Loss rate: 6.63%
```

Run 2: Report of Sprout — Data Link

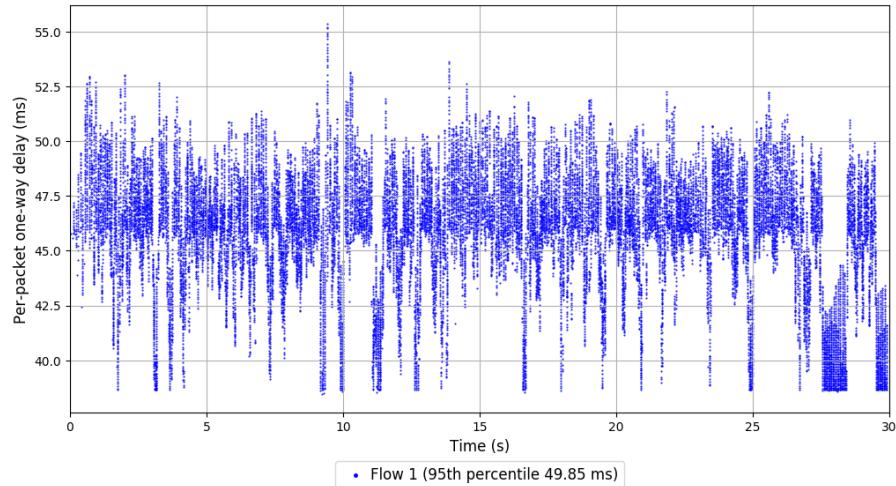
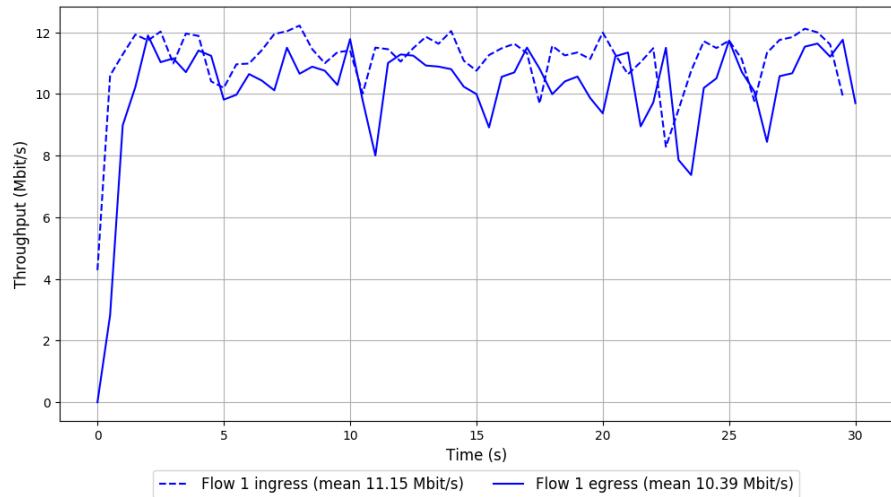


Run 3: Statistics of Sprout

```
Start at: 2019-07-12 11:35:20
End at: 2019-07-12 11:35:50
Local clock offset: -3.15 ms
Remote clock offset: -5.193 ms

# Below is generated by plot.py at 2019-07-12 13:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.39 Mbit/s
95th percentile per-packet one-way delay: 49.852 ms
Loss rate: 7.06%
-- Flow 1:
Average throughput: 10.39 Mbit/s
95th percentile per-packet one-way delay: 49.852 ms
Loss rate: 7.06%
```

Run 3: Report of Sprout — Data Link

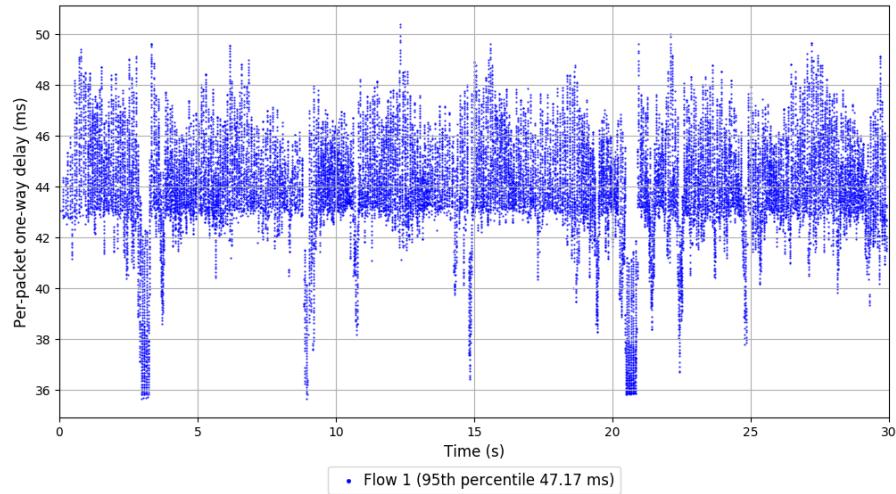
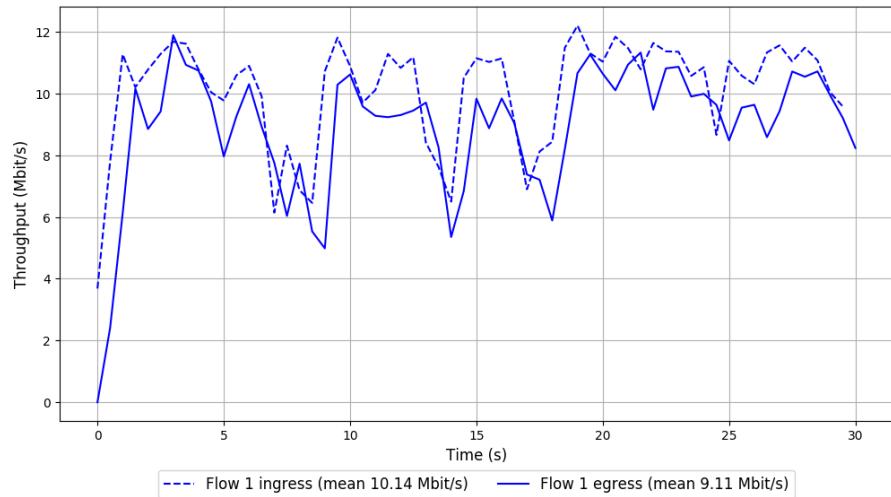


Run 4: Statistics of Sprout

```
Start at: 2019-07-12 12:16:02
End at: 2019-07-12 12:16:32
Local clock offset: -2.923 ms
Remote clock offset: -2.374 ms

# Below is generated by plot.py at 2019-07-12 13:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.11 Mbit/s
95th percentile per-packet one-way delay: 47.169 ms
Loss rate: 10.31%
-- Flow 1:
Average throughput: 9.11 Mbit/s
95th percentile per-packet one-way delay: 47.169 ms
Loss rate: 10.31%
```

Run 4: Report of Sprout — Data Link

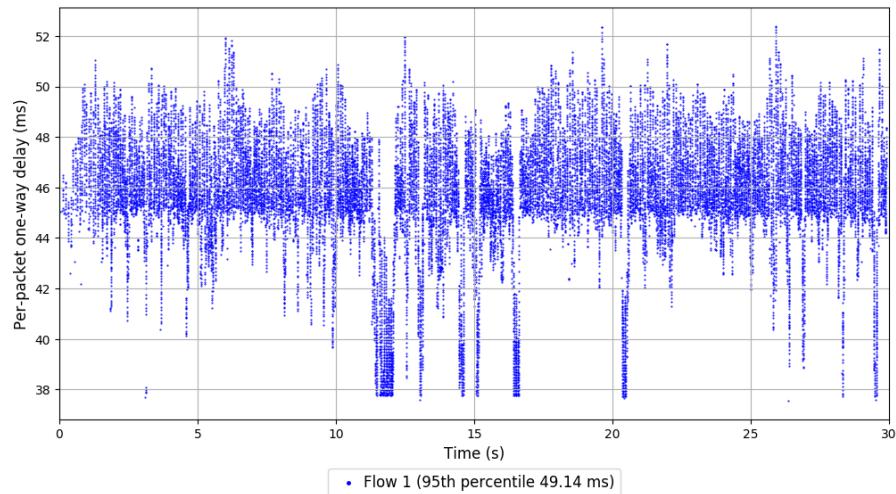
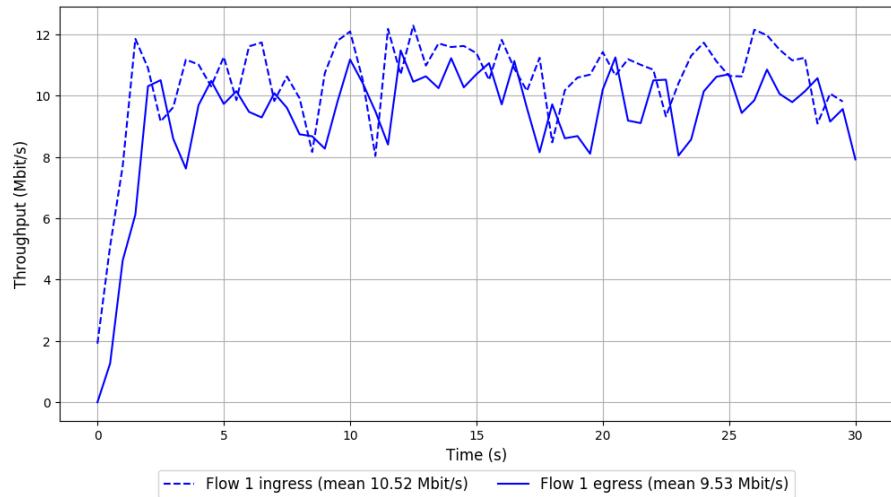


Run 5: Statistics of Sprout

```
Start at: 2019-07-12 12:58:59
End at: 2019-07-12 12:59:29
Local clock offset: 1.198 ms
Remote clock offset: -5.907 ms

# Below is generated by plot.py at 2019-07-12 13:30:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.53 Mbit/s
95th percentile per-packet one-way delay: 49.139 ms
Loss rate: 9.65%
-- Flow 1:
Average throughput: 9.53 Mbit/s
95th percentile per-packet one-way delay: 49.139 ms
Loss rate: 9.65%
```

Run 5: Report of Sprout — Data Link

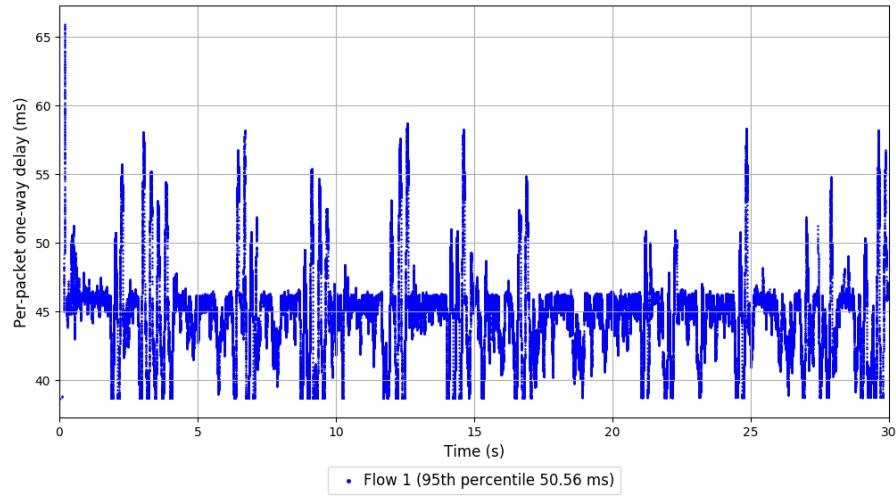
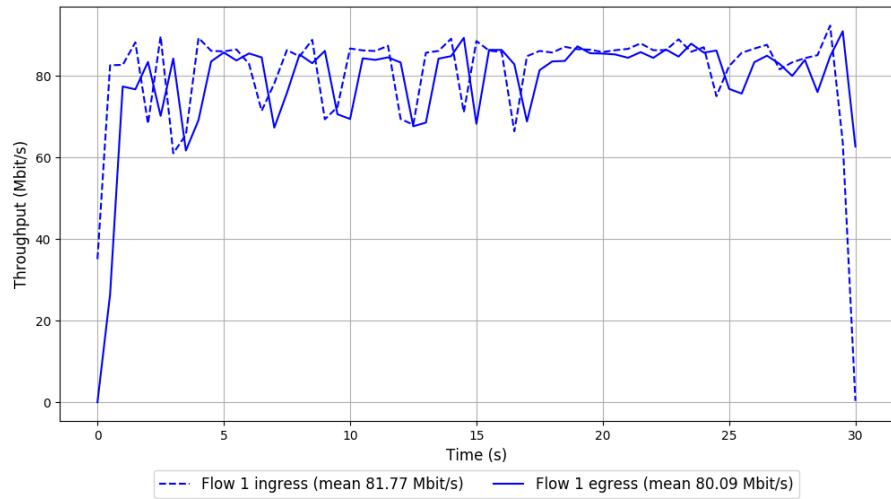


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-07-12 10:25:55
End at: 2019-07-12 10:26:25
Local clock offset: -3.381 ms
Remote clock offset: -8.112 ms

# Below is generated by plot.py at 2019-07-12 13:32:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.09 Mbit/s
95th percentile per-packet one-way delay: 50.565 ms
Loss rate: 2.27%
-- Flow 1:
Average throughput: 80.09 Mbit/s
95th percentile per-packet one-way delay: 50.565 ms
Loss rate: 2.27%
```

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

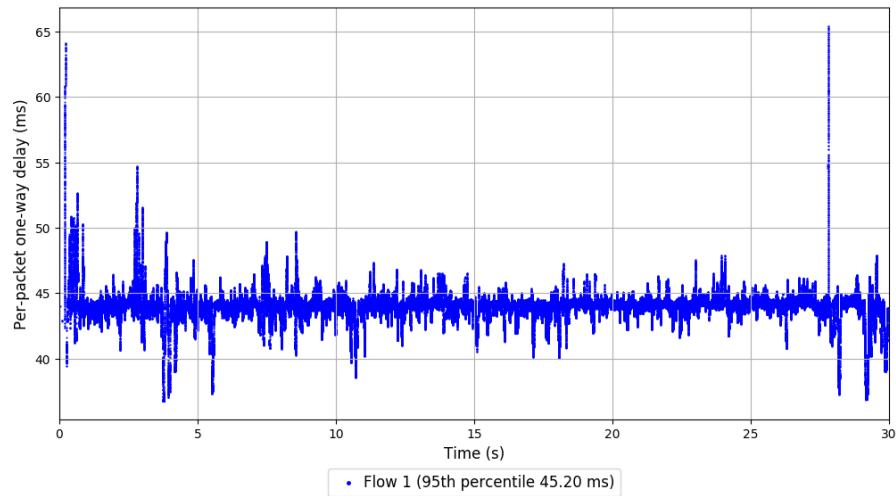
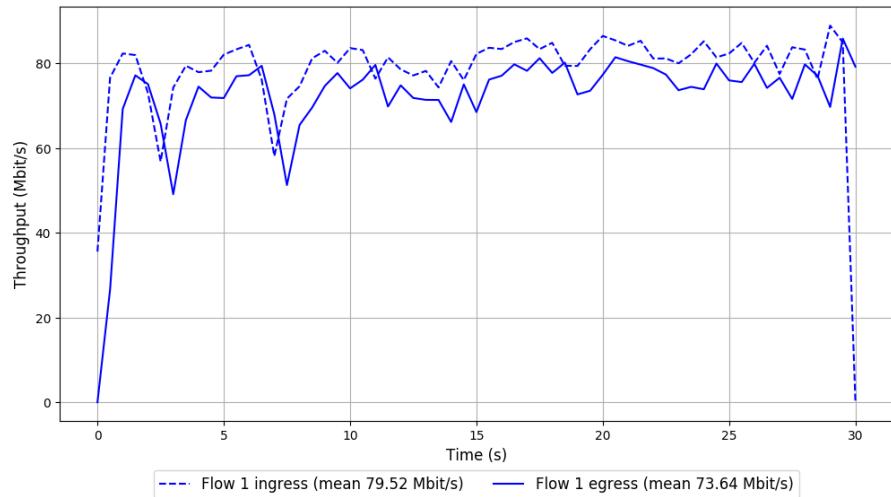


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-07-12 11:04:29
End at: 2019-07-12 11:04:59
Local clock offset: -1.092 ms
Remote clock offset: -3.879 ms

# Below is generated by plot.py at 2019-07-12 13:32:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.64 Mbit/s
95th percentile per-packet one-way delay: 45.195 ms
Loss rate: 7.62%
-- Flow 1:
Average throughput: 73.64 Mbit/s
95th percentile per-packet one-way delay: 45.195 ms
Loss rate: 7.62%
```

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

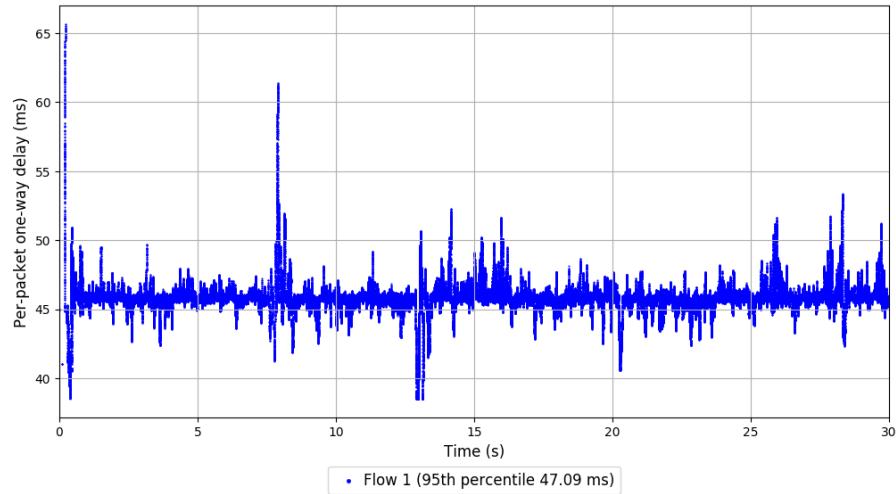
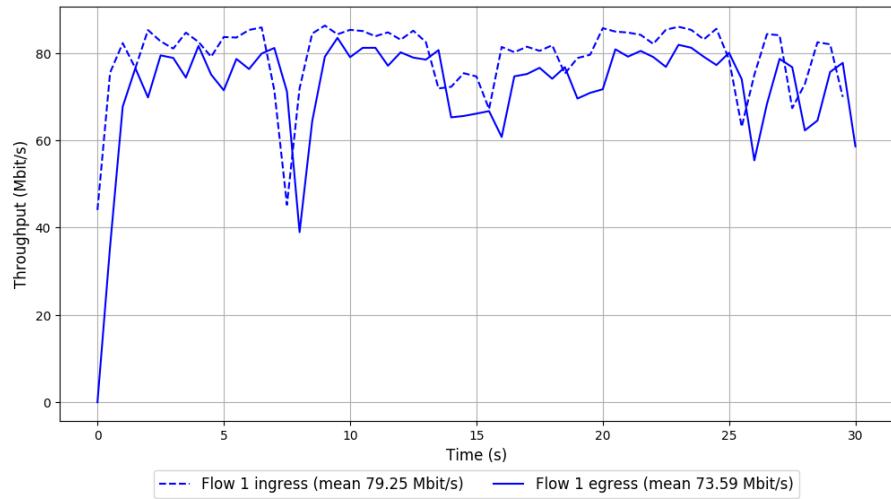


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-07-12 11:44:54
End at: 2019-07-12 11:45:24
Local clock offset: -3.138 ms
Remote clock offset: -5.088 ms

# Below is generated by plot.py at 2019-07-12 13:32:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.59 Mbit/s
95th percentile per-packet one-way delay: 47.086 ms
Loss rate: 7.36%
-- Flow 1:
Average throughput: 73.59 Mbit/s
95th percentile per-packet one-way delay: 47.086 ms
Loss rate: 7.36%
```

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

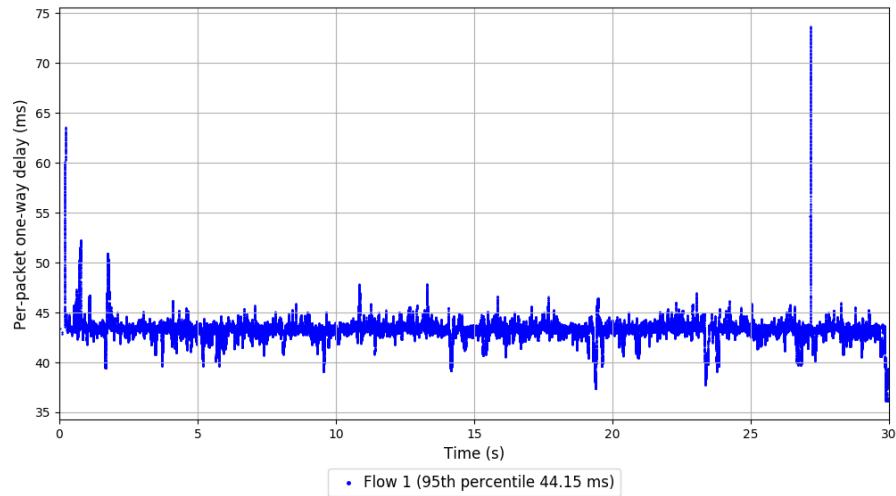
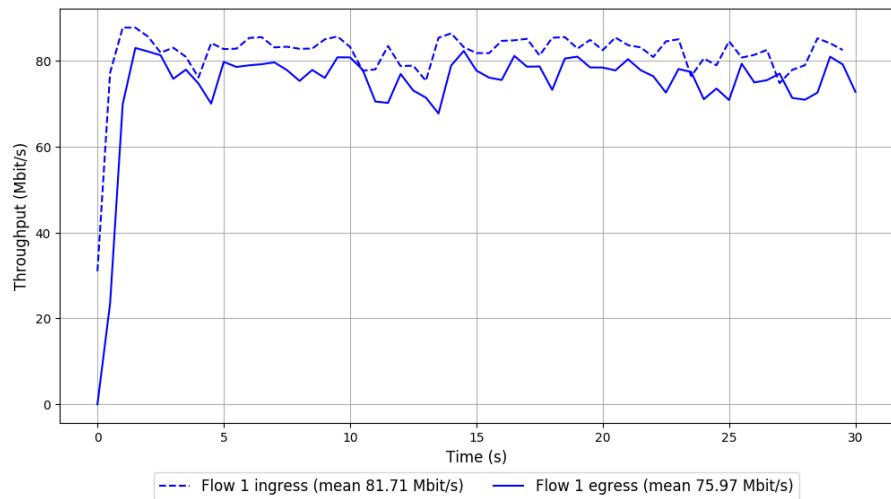


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-07-12 12:25:22
End at: 2019-07-12 12:25:52
Local clock offset: -2.97 ms
Remote clock offset: -2.865 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.97 Mbit/s
95th percentile per-packet one-way delay: 44.151 ms
Loss rate: 7.24%
-- Flow 1:
Average throughput: 75.97 Mbit/s
95th percentile per-packet one-way delay: 44.151 ms
Loss rate: 7.24%
```

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

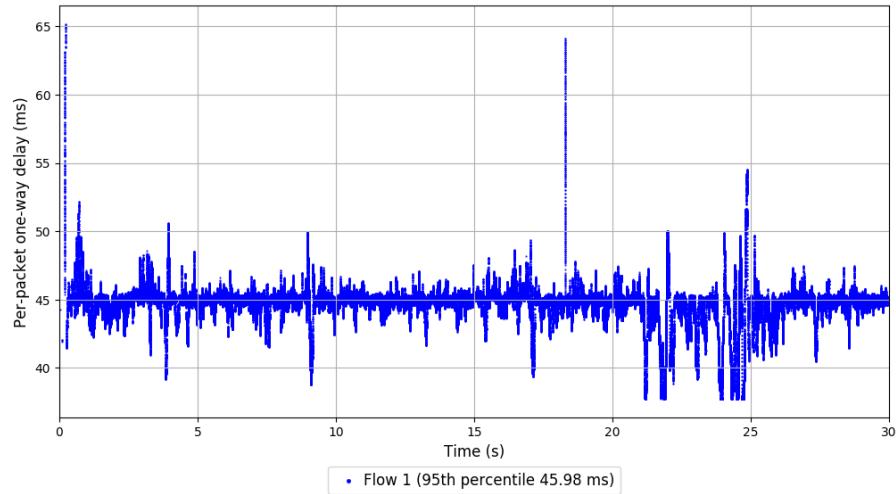
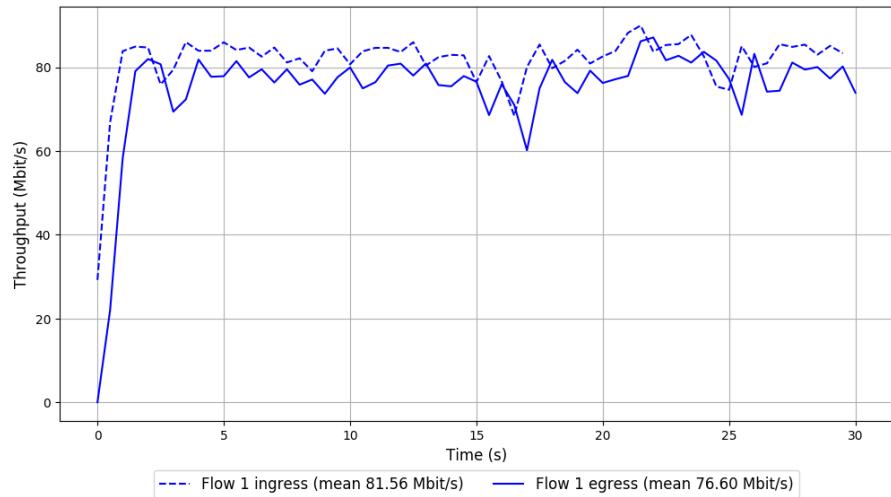


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-07-12 13:08:46
End at: 2019-07-12 13:09:16
Local clock offset: 3.064 ms
Remote clock offset: -6.224 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.60 Mbit/s
95th percentile per-packet one-way delay: 45.977 ms
Loss rate: 6.31%
-- Flow 1:
Average throughput: 76.60 Mbit/s
95th percentile per-packet one-way delay: 45.977 ms
Loss rate: 6.31%
```

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

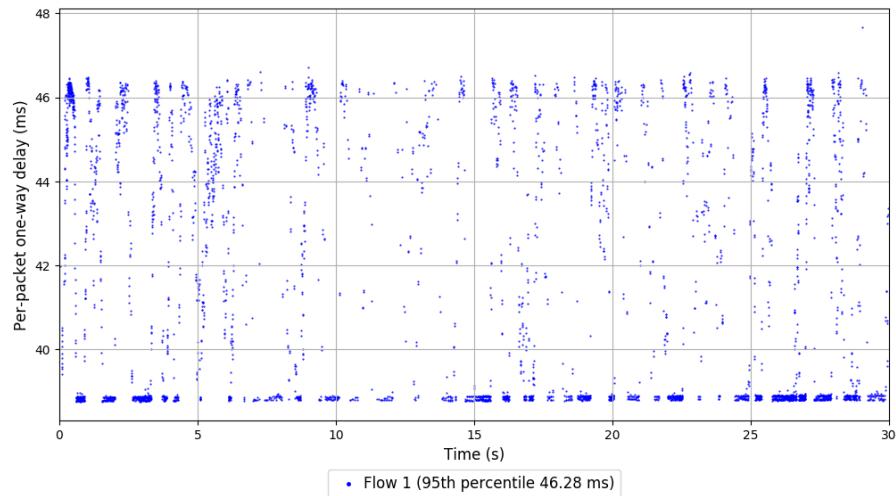
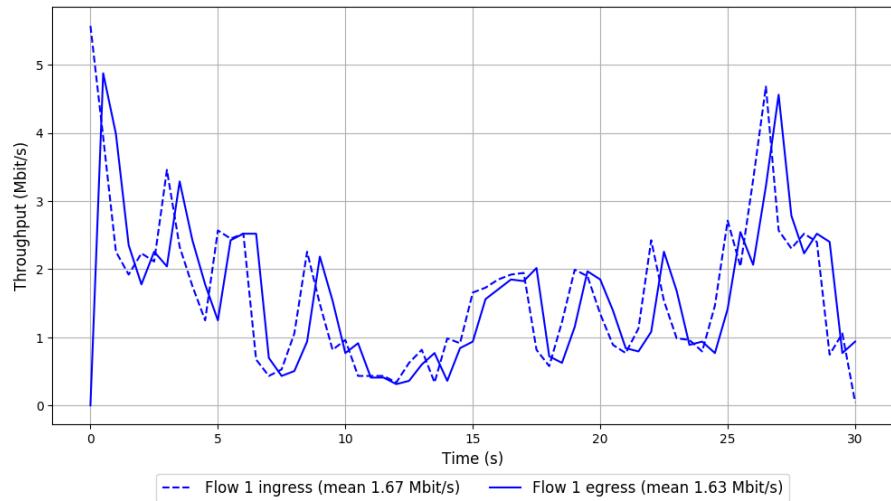


Run 1: Statistics of TCP Vegas

```
Start at: 2019-07-12 10:27:59
End at: 2019-07-12 10:28:29
Local clock offset: -3.446 ms
Remote clock offset: -8.076 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 46.284 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 1.63 Mbit/s
95th percentile per-packet one-way delay: 46.284 ms
Loss rate: 2.35%
```

Run 1: Report of TCP Vegas — Data Link

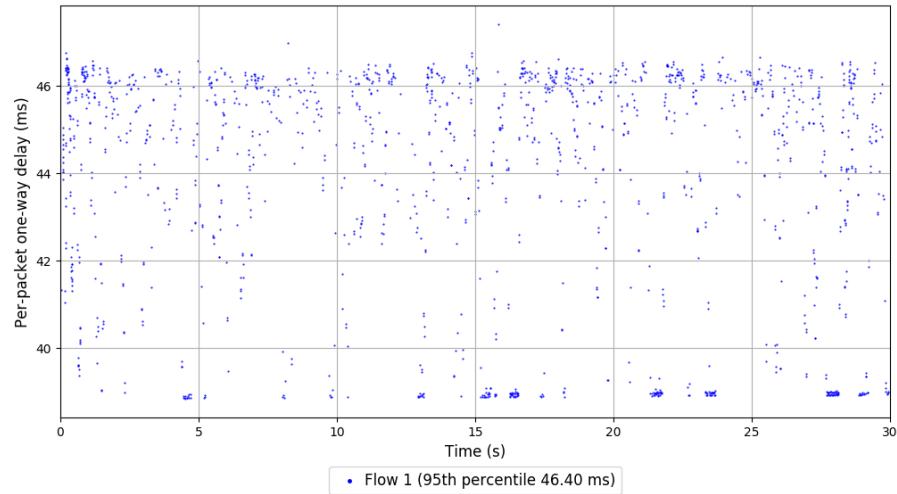
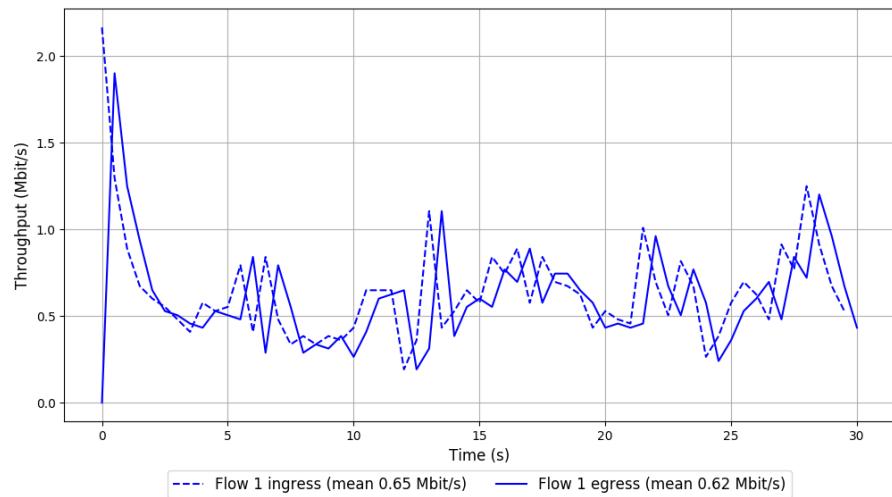


Run 2: Statistics of TCP Vegas

```
Start at: 2019-07-12 11:08:01
End at: 2019-07-12 11:08:31
Local clock offset: -1.815 ms
Remote clock offset: -5.849 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 46.400 ms
Loss rate: 5.07%
-- Flow 1:
Average throughput: 0.62 Mbit/s
95th percentile per-packet one-way delay: 46.400 ms
Loss rate: 5.07%
```

Run 2: Report of TCP Vegas — Data Link

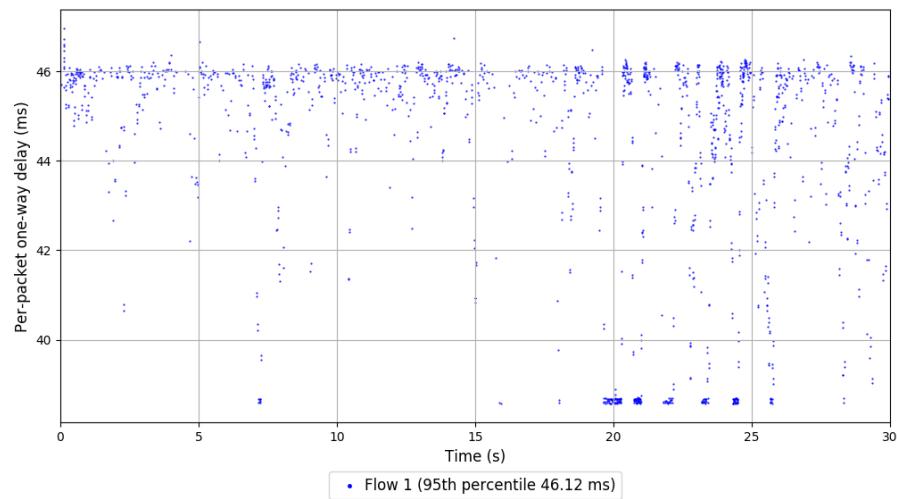
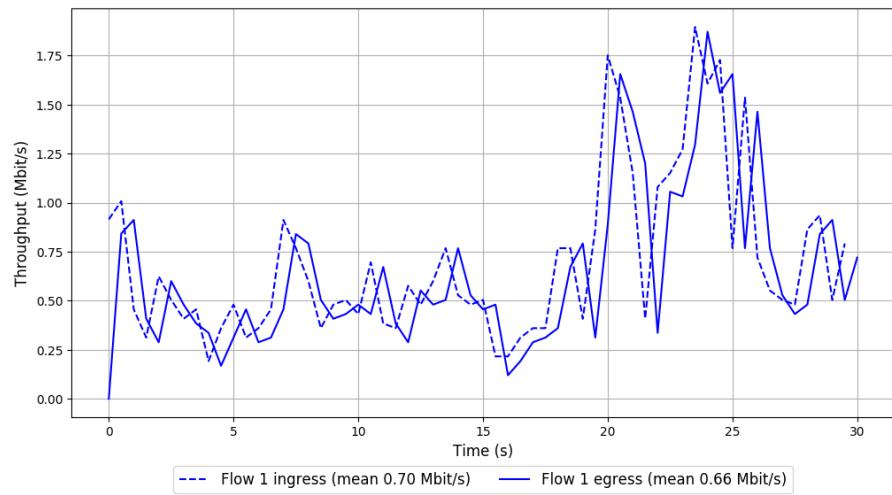


Run 3: Statistics of TCP Vegas

```
Start at: 2019-07-12 11:48:59
End at: 2019-07-12 11:49:29
Local clock offset: -3.157 ms
Remote clock offset: -5.149 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 46.117 ms
Loss rate: 4.94%
-- Flow 1:
Average throughput: 0.66 Mbit/s
95th percentile per-packet one-way delay: 46.117 ms
Loss rate: 4.94%
```

Run 3: Report of TCP Vegas — Data Link

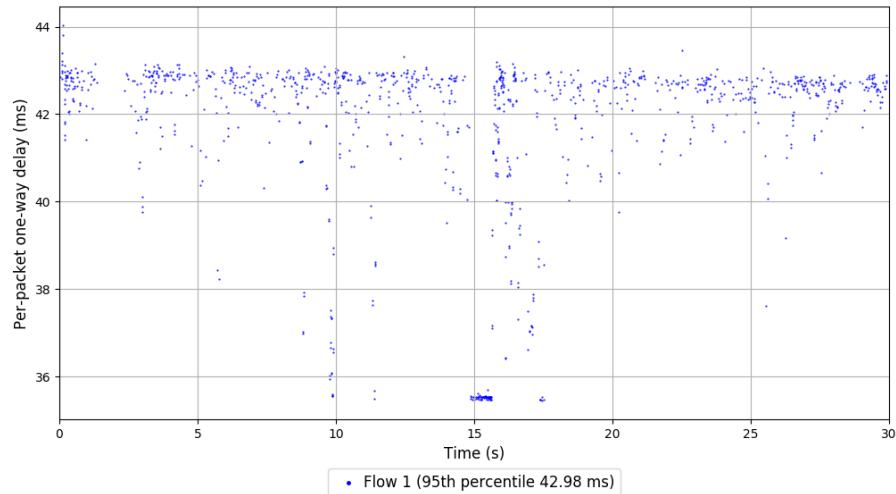
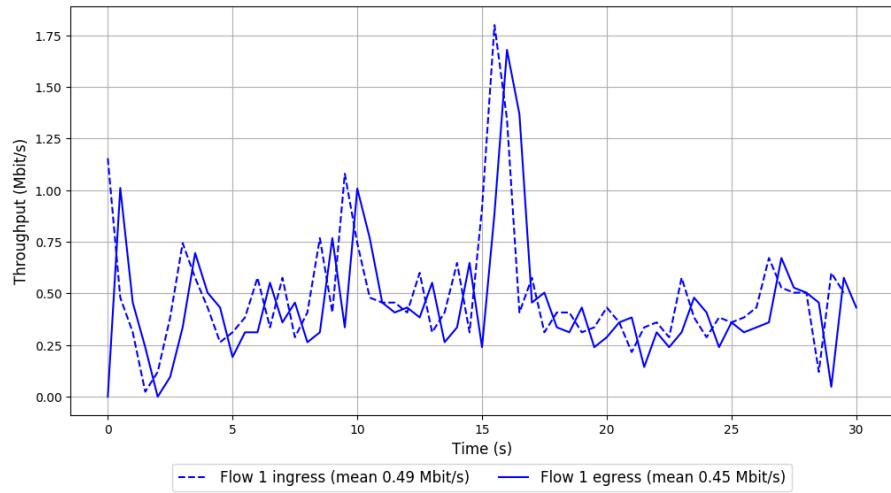


Run 4: Statistics of TCP Vegas

```
Start at: 2019-07-12 12:29:42
End at: 2019-07-12 12:30:12
Local clock offset: -2.679 ms
Remote clock offset: -2.565 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 42.984 ms
Loss rate: 8.14%
-- Flow 1:
Average throughput: 0.45 Mbit/s
95th percentile per-packet one-way delay: 42.984 ms
Loss rate: 8.14%
```

Run 4: Report of TCP Vegas — Data Link

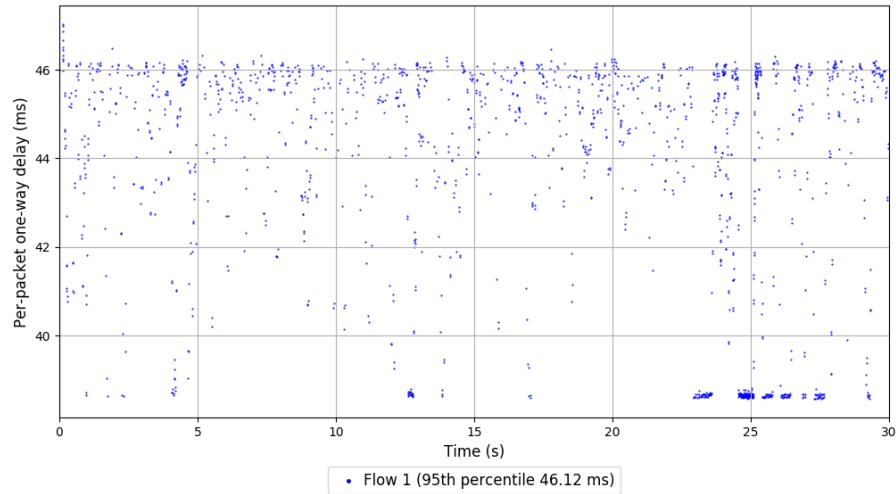
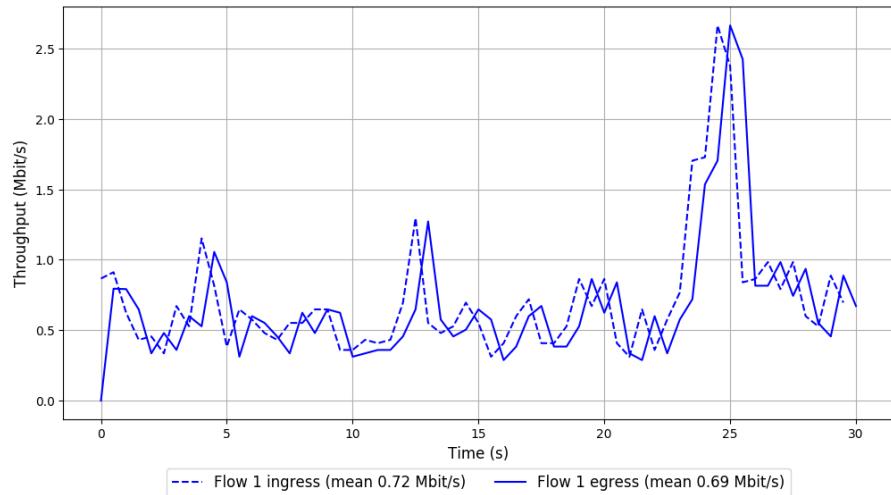


Run 5: Statistics of TCP Vegas

```
Start at: 2019-07-12 13:12:49
End at: 2019-07-12 13:13:19
Local clock offset: 3.503 ms
Remote clock offset: -7.153 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 46.117 ms
Loss rate: 4.24%
-- Flow 1:
Average throughput: 0.69 Mbit/s
95th percentile per-packet one-way delay: 46.117 ms
Loss rate: 4.24%
```

Run 5: Report of TCP Vegas — Data Link

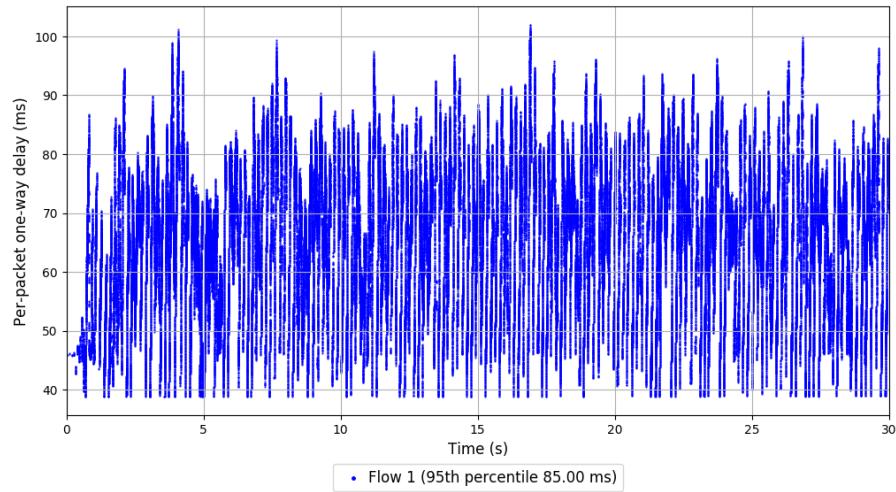
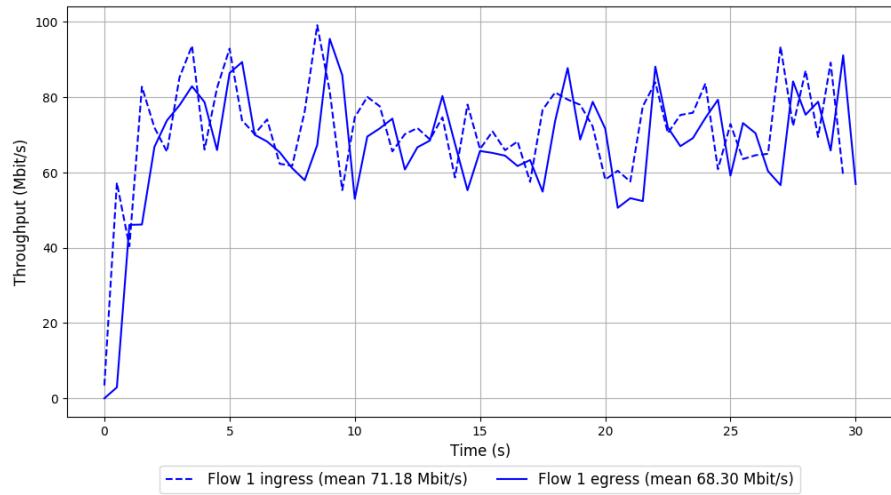


Run 1: Statistics of Verus

```
Start at: 2019-07-12 10:04:35
End at: 2019-07-12 10:05:05
Local clock offset: -1.019 ms
Remote clock offset: -9.161 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.30 Mbit/s
95th percentile per-packet one-way delay: 85.004 ms
Loss rate: 4.28%
-- Flow 1:
Average throughput: 68.30 Mbit/s
95th percentile per-packet one-way delay: 85.004 ms
Loss rate: 4.28%
```

Run 1: Report of Verus — Data Link

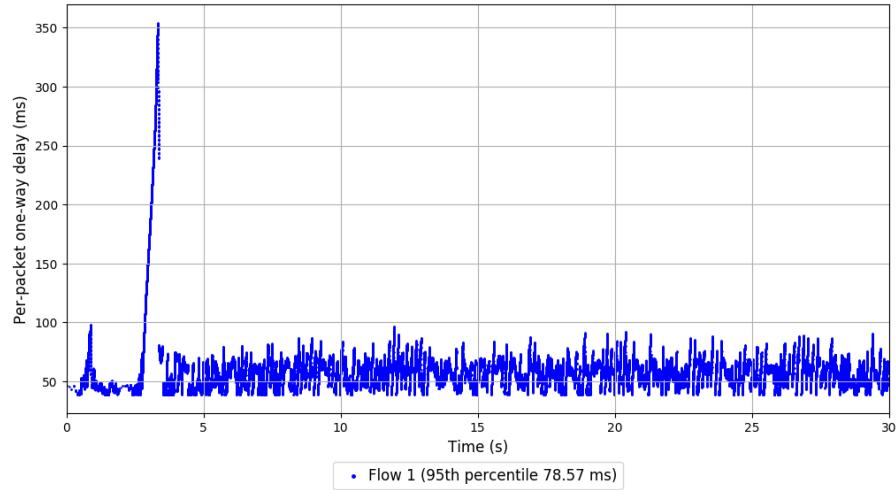
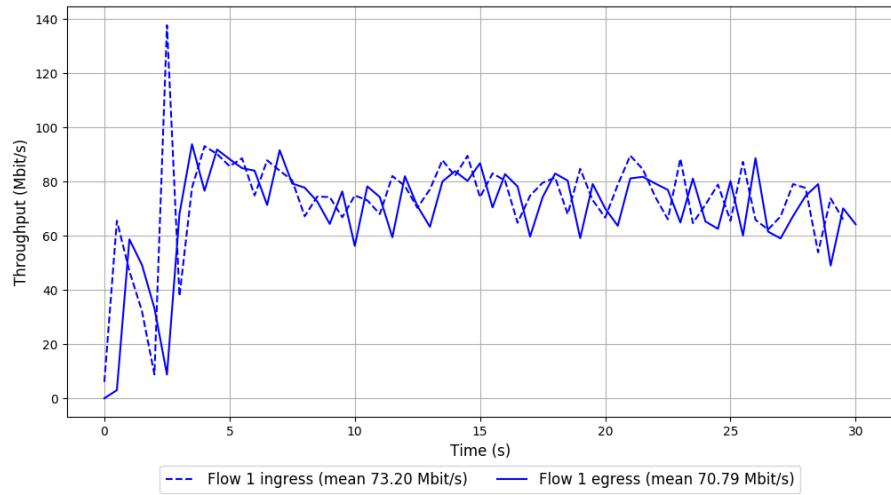


Run 2: Statistics of Verus

```
Start at: 2019-07-12 10:40:08
End at: 2019-07-12 10:40:38
Local clock offset: -0.682 ms
Remote clock offset: -7.311 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.79 Mbit/s
95th percentile per-packet one-way delay: 78.571 ms
Loss rate: 3.48%
-- Flow 1:
Average throughput: 70.79 Mbit/s
95th percentile per-packet one-way delay: 78.571 ms
Loss rate: 3.48%
```

Run 2: Report of Verus — Data Link

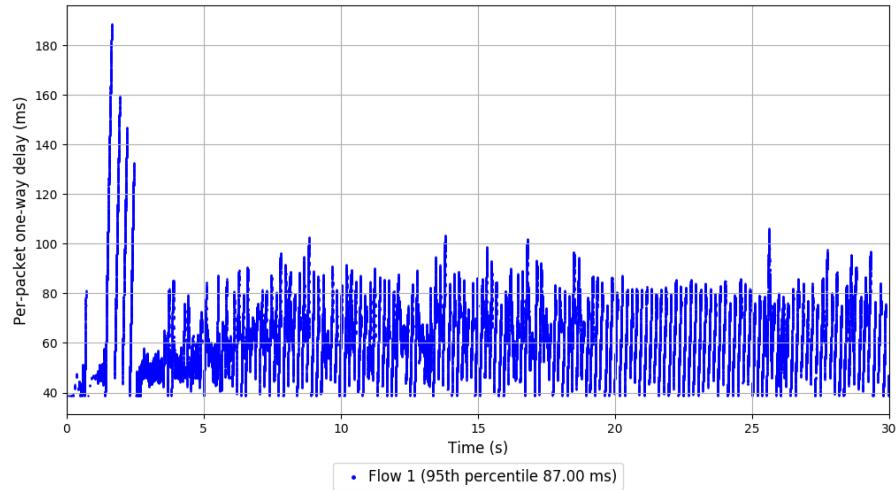
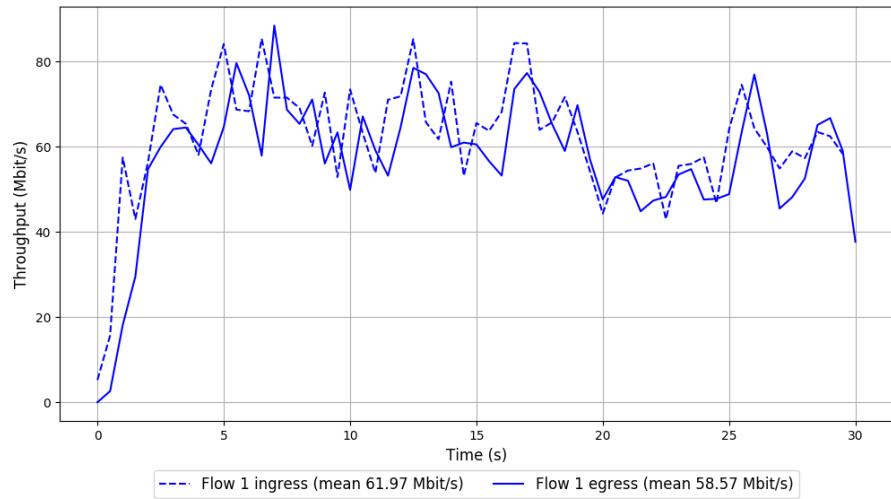


Run 3: Statistics of Verus

```
Start at: 2019-07-12 11:20:47
End at: 2019-07-12 11:21:17
Local clock offset: -3.061 ms
Remote clock offset: -5.519 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.57 Mbit/s
95th percentile per-packet one-way delay: 86.996 ms
Loss rate: 5.68%
-- Flow 1:
Average throughput: 58.57 Mbit/s
95th percentile per-packet one-way delay: 86.996 ms
Loss rate: 5.68%
```

Run 3: Report of Verus — Data Link

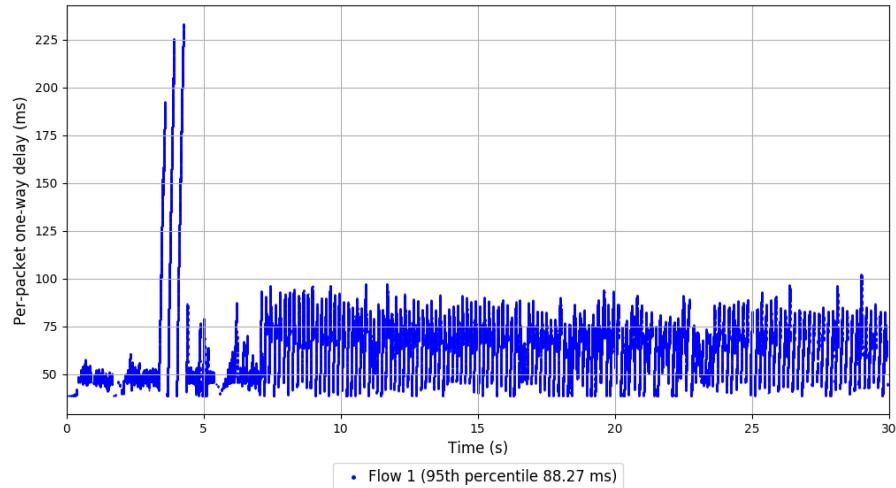
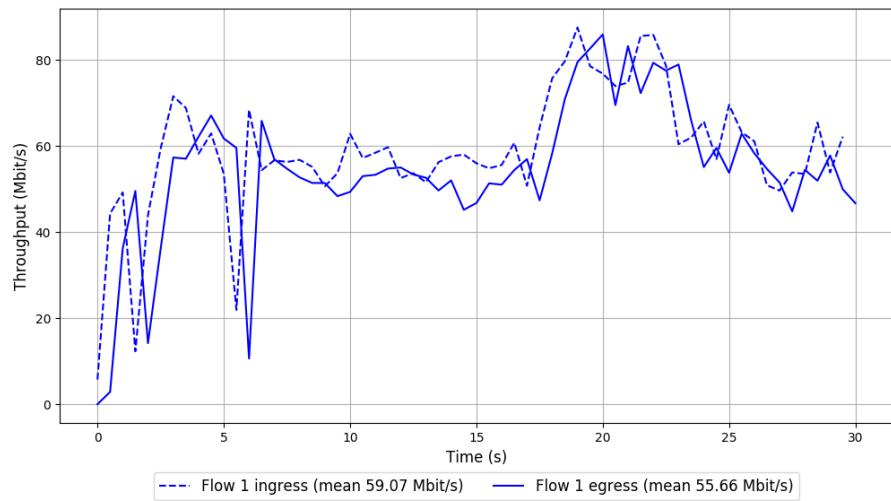


Run 4: Statistics of Verus

```
Start at: 2019-07-12 12:01:11
End at: 2019-07-12 12:01:41
Local clock offset: -3.161 ms
Remote clock offset: -5.173 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.66 Mbit/s
95th percentile per-packet one-way delay: 88.269 ms
Loss rate: 5.99%
-- Flow 1:
Average throughput: 55.66 Mbit/s
95th percentile per-packet one-way delay: 88.269 ms
Loss rate: 5.99%
```

Run 4: Report of Verus — Data Link

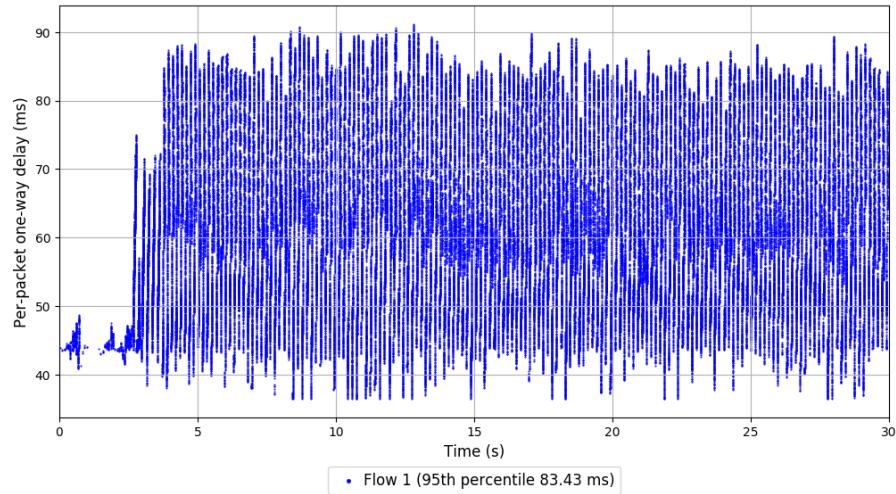
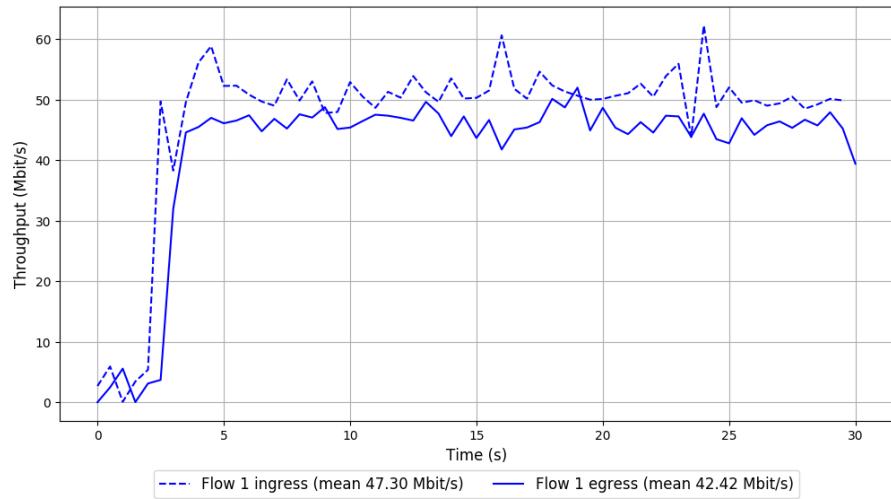


Run 5: Statistics of Verus

```
Start at: 2019-07-12 12:42:33
End at: 2019-07-12 12:43:03
Local clock offset: -0.002 ms
Remote clock offset: -3.874 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.42 Mbit/s
95th percentile per-packet one-way delay: 83.430 ms
Loss rate: 10.30%
-- Flow 1:
Average throughput: 42.42 Mbit/s
95th percentile per-packet one-way delay: 83.430 ms
Loss rate: 10.30%
```

Run 5: Report of Verus — Data Link

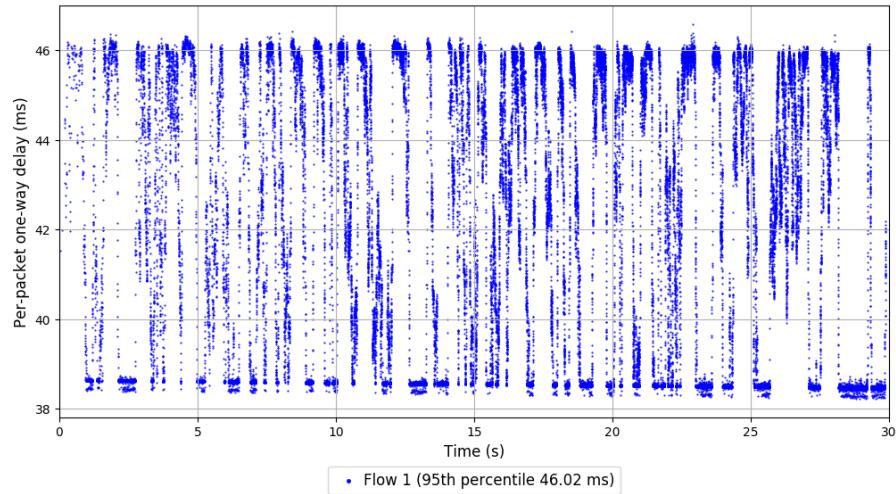
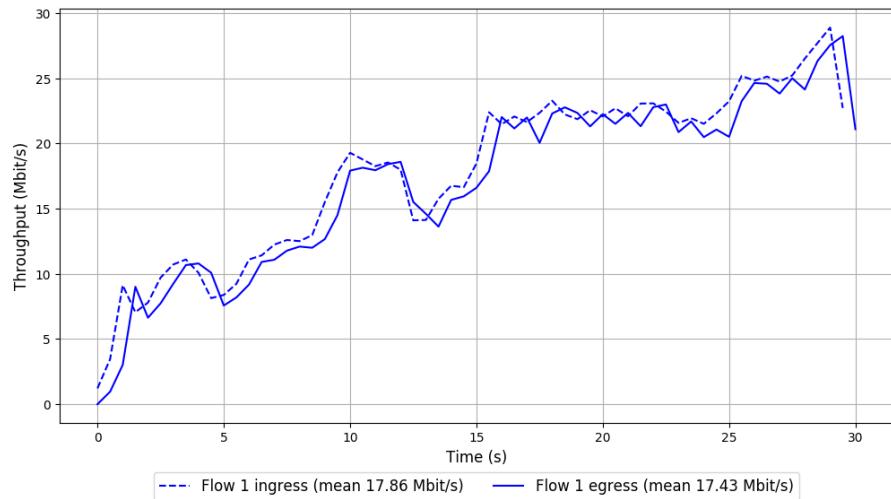


Run 1: Statistics of PCC-Vivace

```
Start at: 2019-07-12 10:29:07
End at: 2019-07-12 10:29:37
Local clock offset: -3.356 ms
Remote clock offset: -8.044 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.43 Mbit/s
95th percentile per-packet one-way delay: 46.019 ms
Loss rate: 2.65%
-- Flow 1:
Average throughput: 17.43 Mbit/s
95th percentile per-packet one-way delay: 46.019 ms
Loss rate: 2.65%
```

Run 1: Report of PCC-Vivace — Data Link

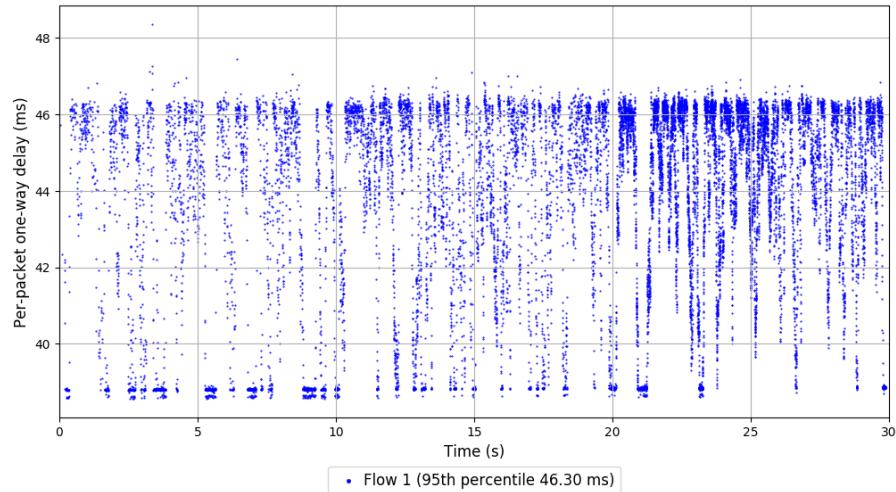
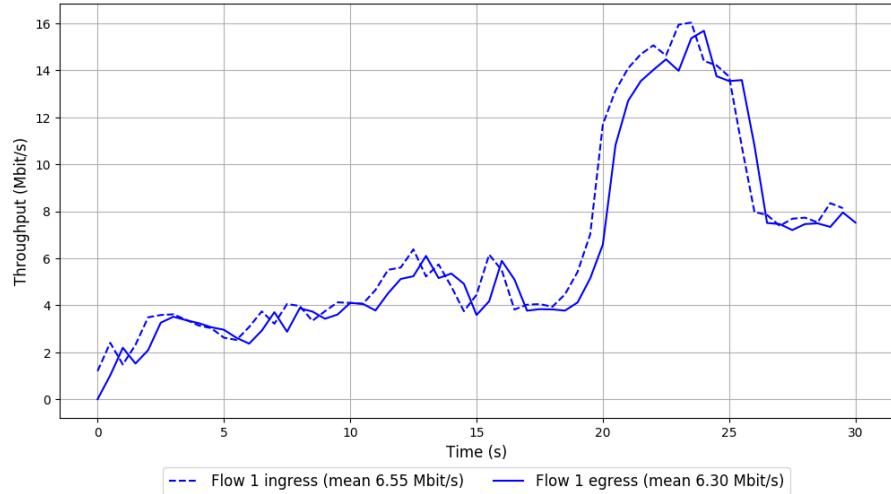


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-07-12 11:09:08
End at: 2019-07-12 11:09:38
Local clock offset: -2.004 ms
Remote clock offset: -5.855 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.30 Mbit/s
95th percentile per-packet one-way delay: 46.297 ms
Loss rate: 4.11%
-- Flow 1:
Average throughput: 6.30 Mbit/s
95th percentile per-packet one-way delay: 46.297 ms
Loss rate: 4.11%
```

Run 2: Report of PCC-Vivace — Data Link

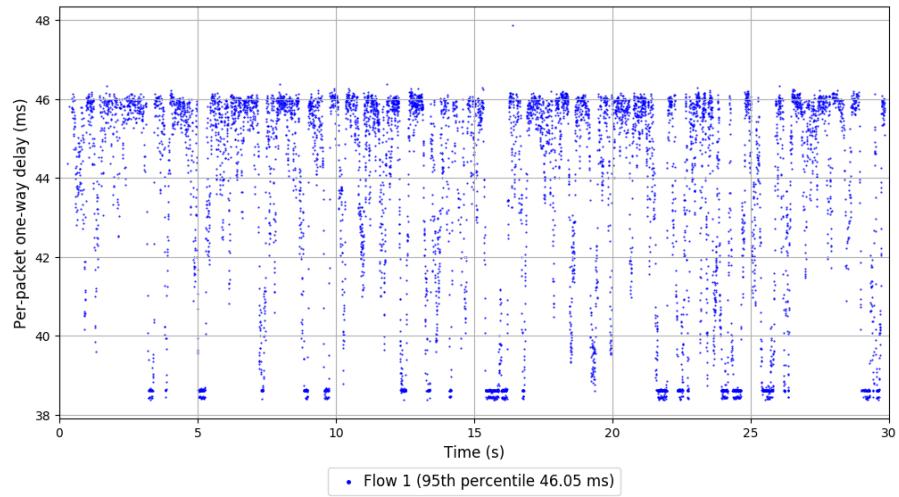
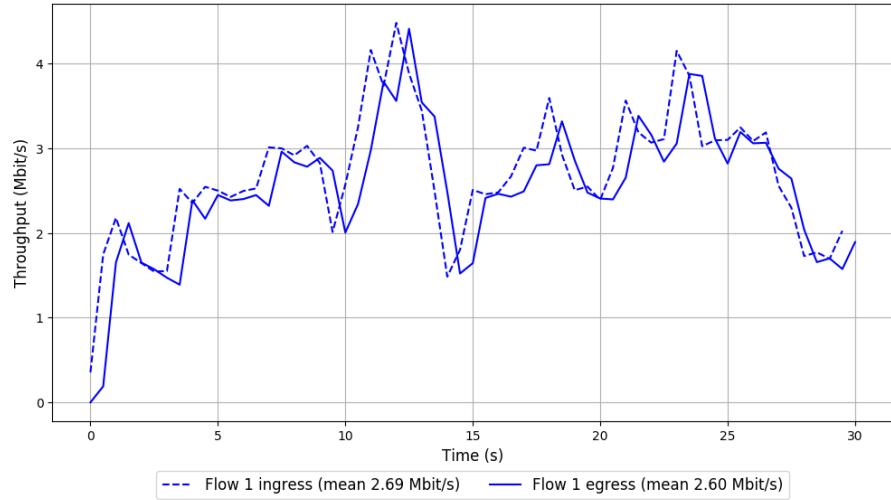


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-07-12 11:50:07
End at: 2019-07-12 11:50:37
Local clock offset: -3.145 ms
Remote clock offset: -5.092 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 46.047 ms
Loss rate: 4.45%
-- Flow 1:
Average throughput: 2.60 Mbit/s
95th percentile per-packet one-way delay: 46.047 ms
Loss rate: 4.45%
```

Run 3: Report of PCC-Vivace — Data Link

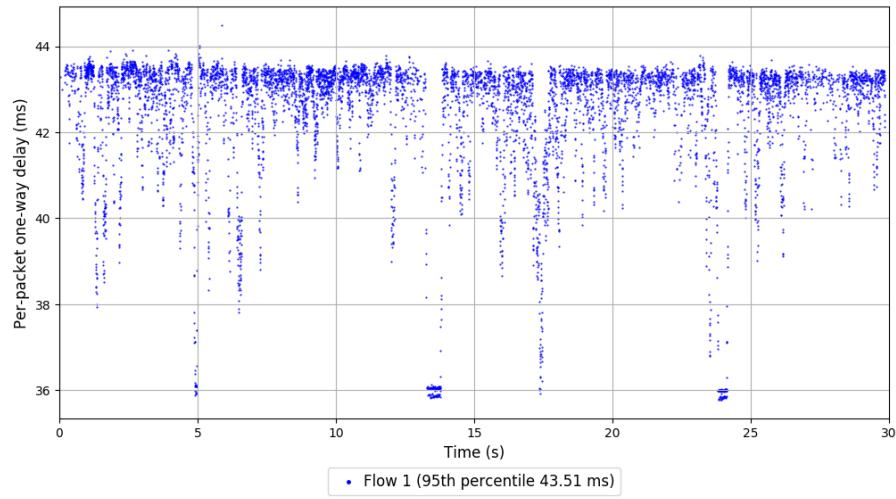
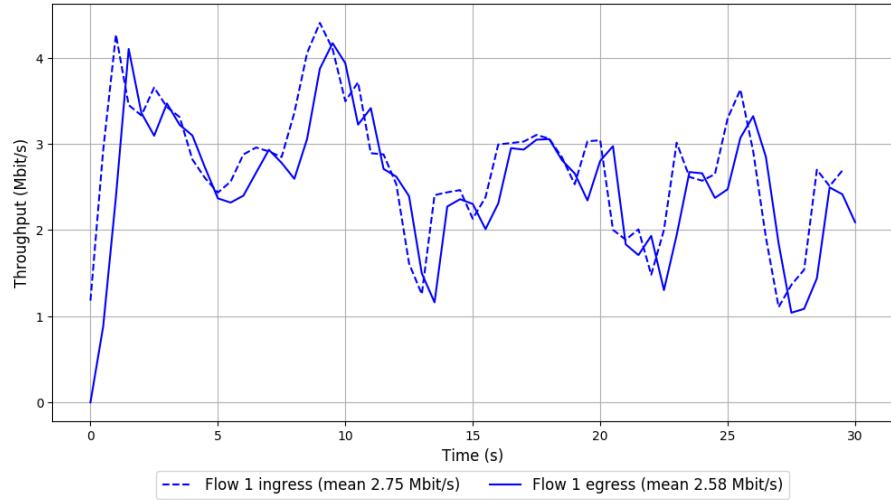


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-07-12 12:30:52
End at: 2019-07-12 12:31:22
Local clock offset: -2.267 ms
Remote clock offset: -3.084 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 43.506 ms
Loss rate: 6.34%
-- Flow 1:
Average throughput: 2.58 Mbit/s
95th percentile per-packet one-way delay: 43.506 ms
Loss rate: 6.34%
```

Run 4: Report of PCC-Vivace — Data Link

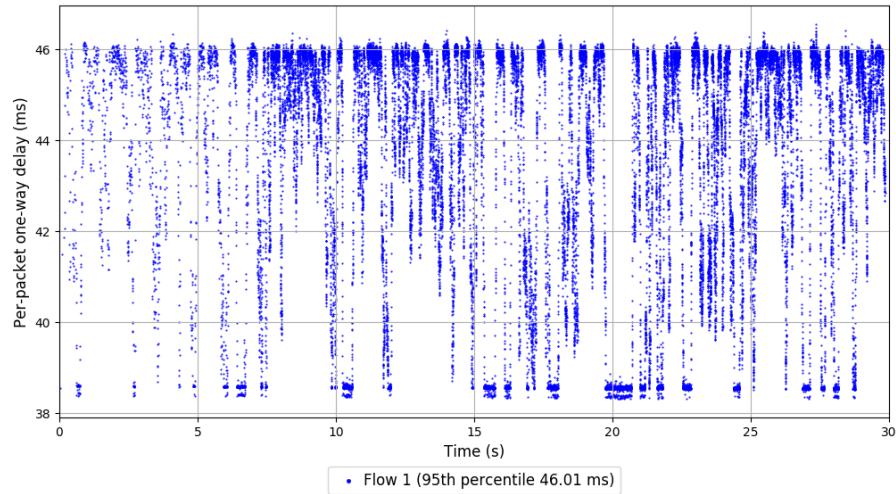
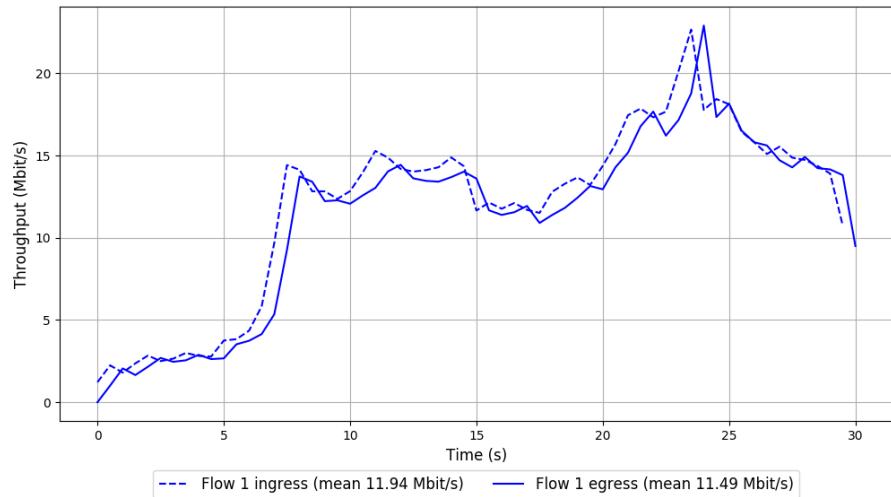


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-07-12 13:14:02
End at: 2019-07-12 13:14:32
Local clock offset: 3.662 ms
Remote clock offset: -7.119 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.49 Mbit/s
95th percentile per-packet one-way delay: 46.011 ms
Loss rate: 3.97%
-- Flow 1:
Average throughput: 11.49 Mbit/s
95th percentile per-packet one-way delay: 46.011 ms
Loss rate: 3.97%
```

Run 5: Report of PCC-Vivace — Data Link

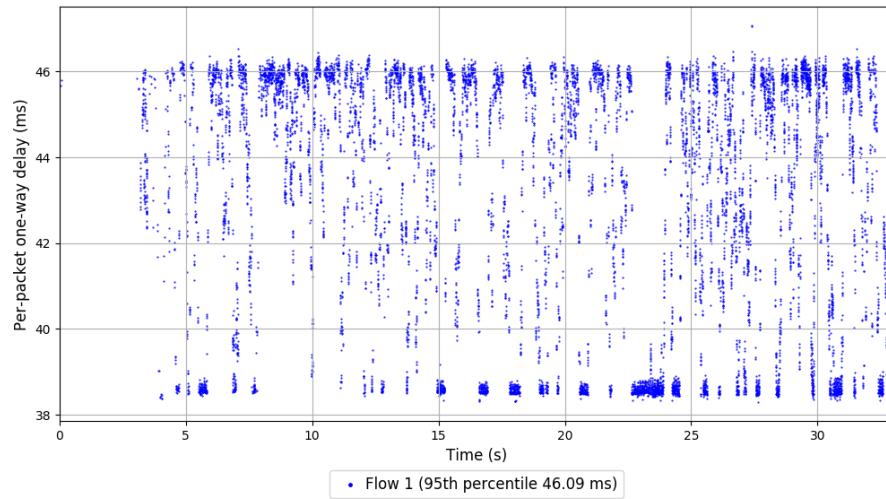
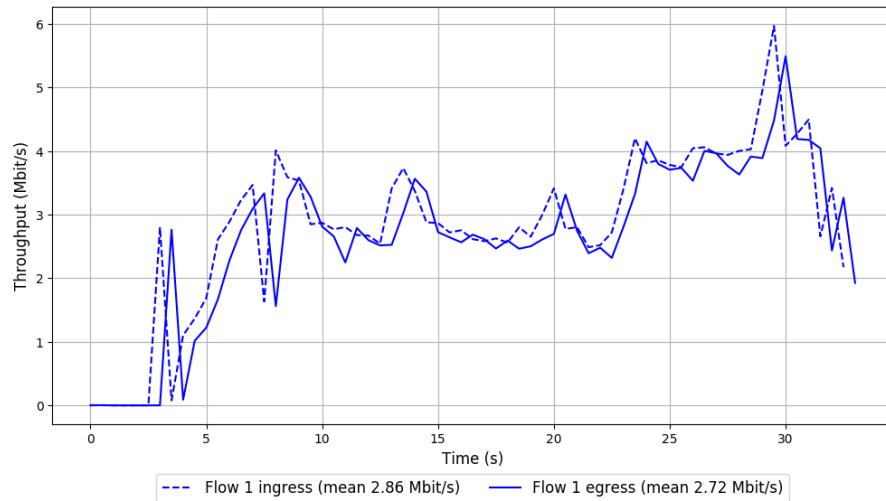


```
Run 1: Statistics of WebRTC media

Start at: 2019-07-12 10:32:46
End at: 2019-07-12 10:33:16
Local clock offset: -2.193 ms
Remote clock offset: -7.814 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.72 Mbit/s
95th percentile per-packet one-way delay: 46.088 ms
Loss rate: 4.97%
-- Flow 1:
Average throughput: 2.72 Mbit/s
95th percentile per-packet one-way delay: 46.088 ms
Loss rate: 4.97%
```

Run 1: Report of WebRTC media — Data Link

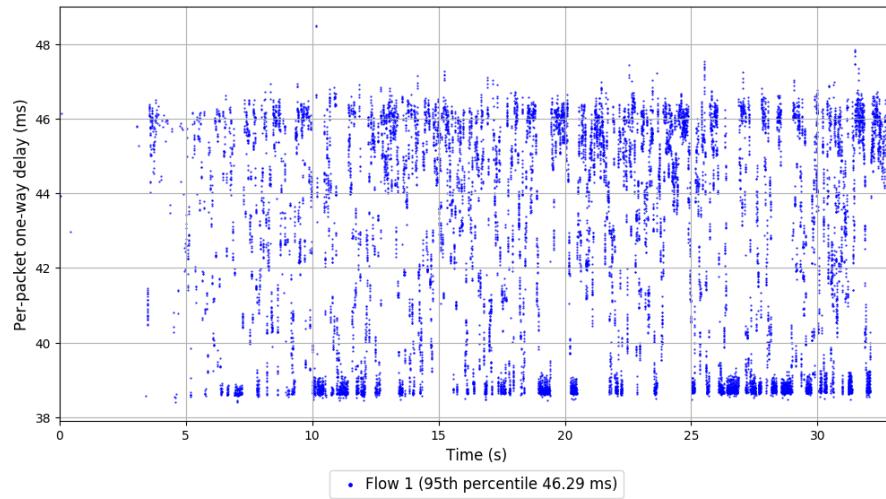
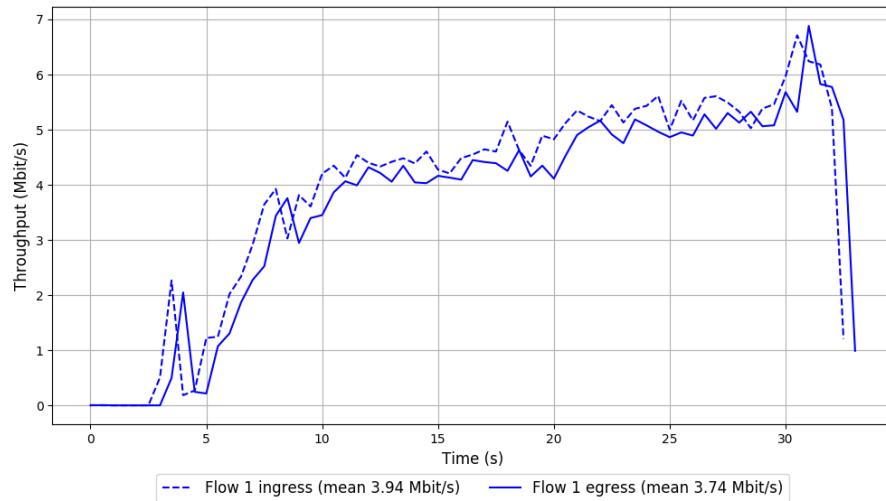


Run 2: Statistics of WebRTC media

```
Start at: 2019-07-12 11:12:45
End at: 2019-07-12 11:13:15
Local clock offset: -2.451 ms
Remote clock offset: -5.68 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.74 Mbit/s
95th percentile per-packet one-way delay: 46.294 ms
Loss rate: 5.55%
-- Flow 1:
Average throughput: 3.74 Mbit/s
95th percentile per-packet one-way delay: 46.294 ms
Loss rate: 5.55%
```

Run 2: Report of WebRTC media — Data Link

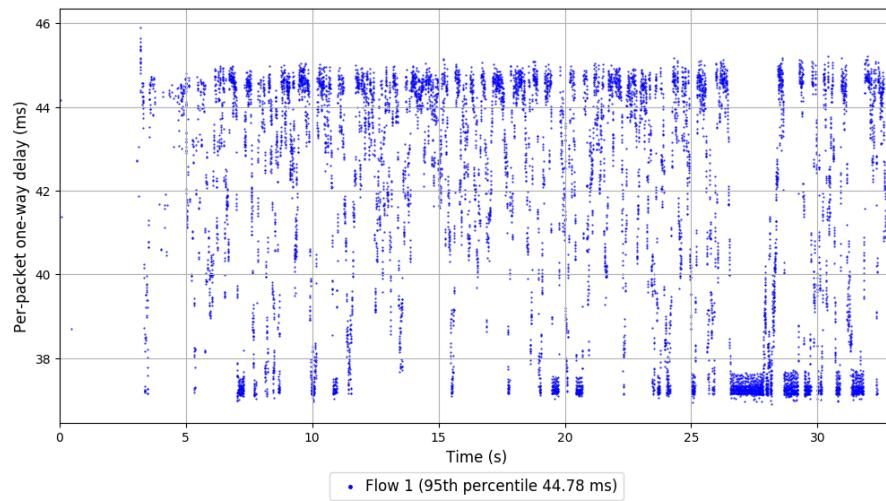
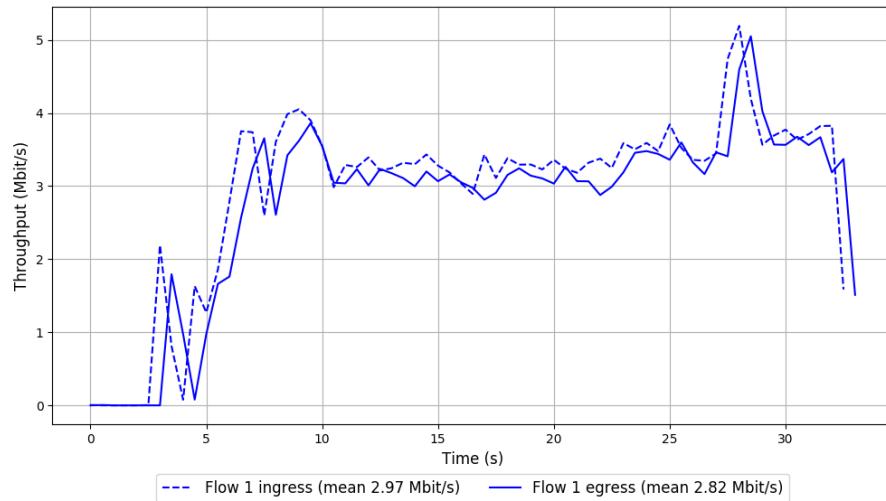


Run 3: Statistics of WebRTC media

```
Start at: 2019-07-12 11:53:35
End at: 2019-07-12 11:54:05
Local clock offset: -3.26 ms
Remote clock offset: -3.749 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 44.781 ms
Loss rate: 5.21%
-- Flow 1:
Average throughput: 2.82 Mbit/s
95th percentile per-packet one-way delay: 44.781 ms
Loss rate: 5.21%
```

Run 3: Report of WebRTC media — Data Link

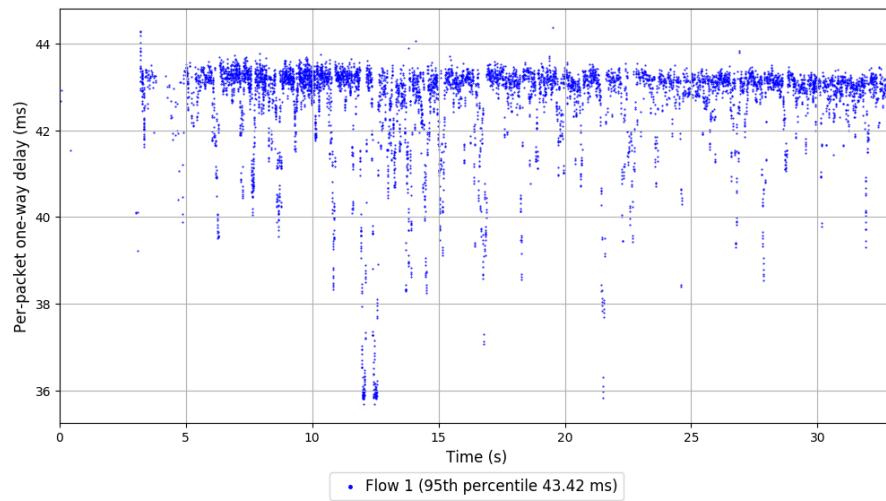
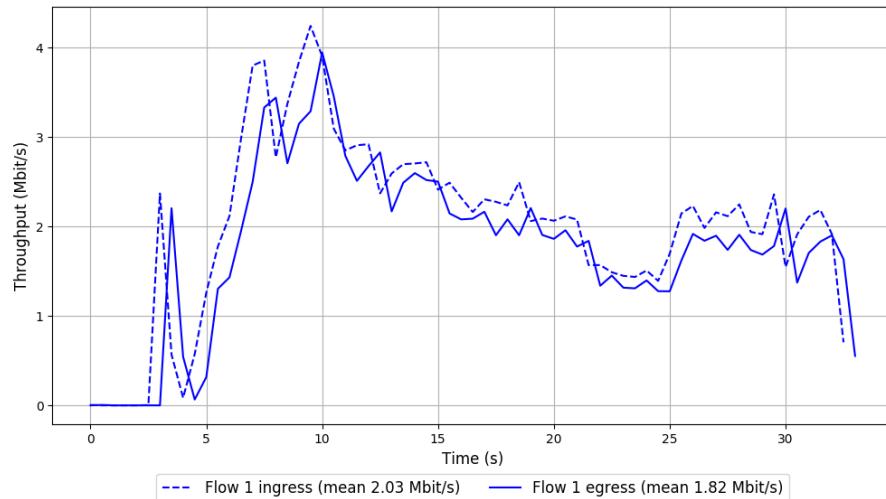


Run 4: Statistics of WebRTC media

```
Start at: 2019-07-12 12:34:24
End at: 2019-07-12 12:34:54
Local clock offset: -1.24 ms
Remote clock offset: -2.878 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 43.425 ms
Loss rate: 10.34%
-- Flow 1:
Average throughput: 1.82 Mbit/s
95th percentile per-packet one-way delay: 43.425 ms
Loss rate: 10.34%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-07-12 13:17:55
End at: 2019-07-12 13:18:25
Local clock offset: 4.045 ms
Remote clock offset: -7.151 ms

# Below is generated by plot.py at 2019-07-12 13:32:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 46.306 ms
Loss rate: 7.99%
-- Flow 1:
Average throughput: 3.56 Mbit/s
95th percentile per-packet one-way delay: 46.306 ms
Loss rate: 7.99%
```

Run 5: Report of WebRTC media — Data Link

