

## Pantheon Report

Generated at 2019-03-18 22:35:58 (UTC).  
Data path: AWS India 2 on `ens5` (*local*) → Saudi Arabia on `enp2s0` (*remote*).  
Repeated the test of 21 congestion control schemes 5 times.  
Each test lasted for 30 seconds running 1 flow.  
NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

System info:

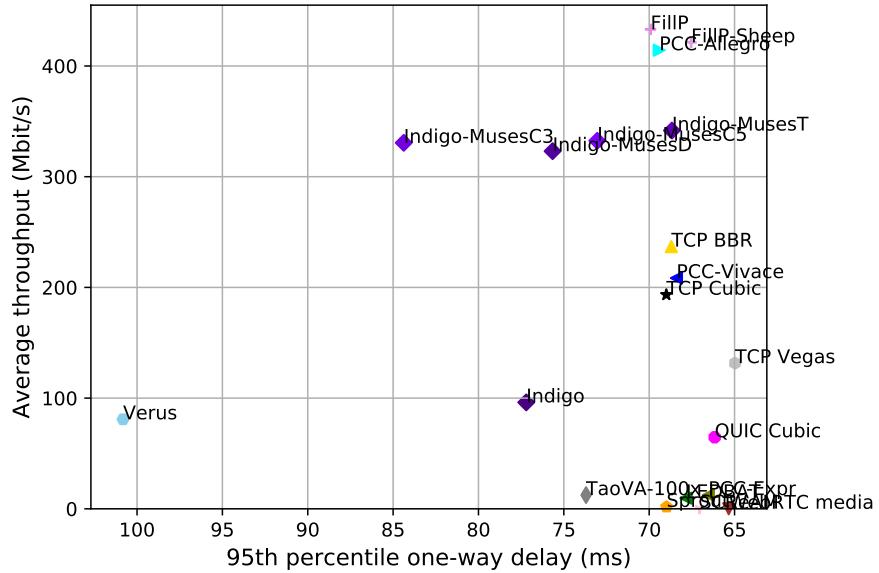
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

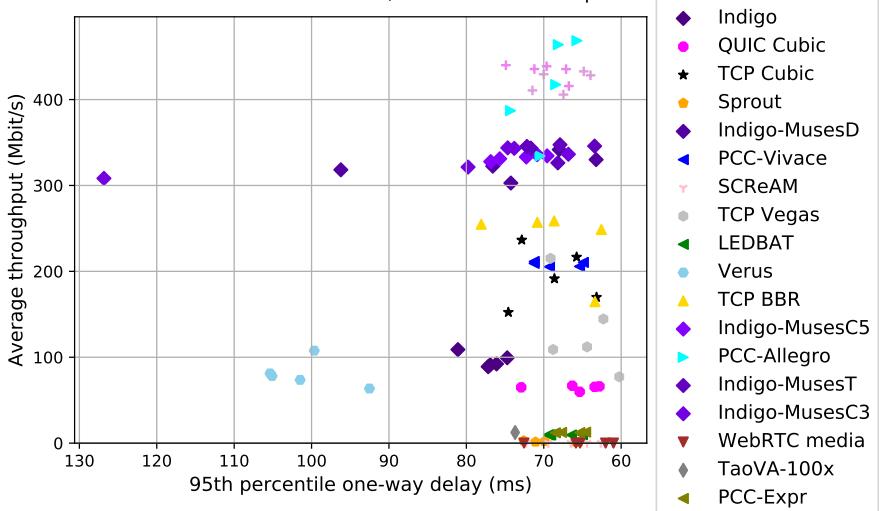
```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third\_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

test from AWS India 2 to Saudi Arabia, 5 runs of 30s each per scheme  
(mean of all runs by scheme)



test from AWS India 2 to Saudi Arabia, 5 runs of 30s each per scheme



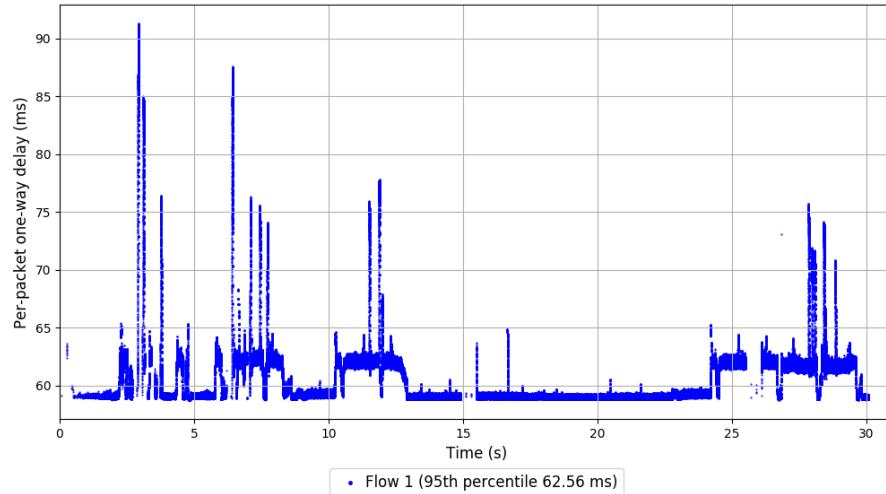
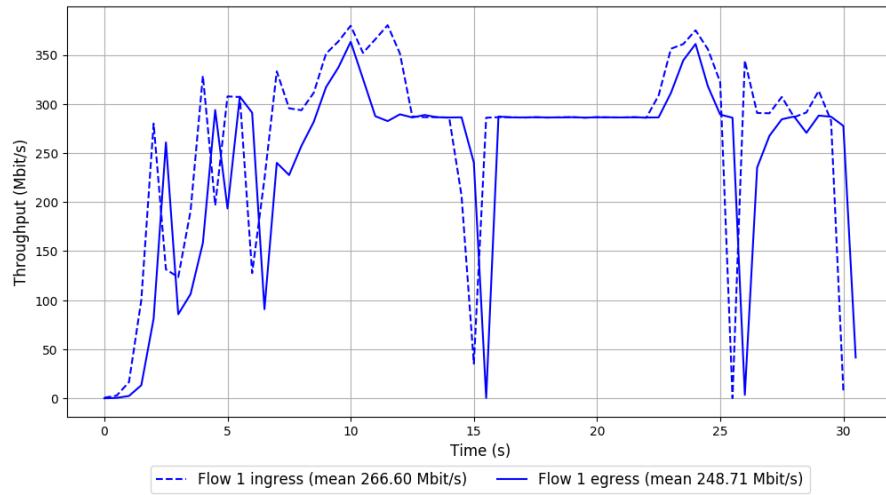
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	236.84	68.70	6.19
Copa	0	N/A	N/A	N/A
TCP Cubic	5	193.39	68.99	0.70
FillP	5	433.11	69.92	5.26
FillP-Sheep	5	421.39	67.54	5.34
Indigo	5	96.14	77.20	0.13
Indigo-MusesC3	5	330.59	84.38	14.64
Indigo-MusesC5	5	332.45	73.04	27.13
Indigo-MusesD	5	323.06	75.66	13.68
Indigo-MusesT	5	341.69	68.67	10.65
LEDBAT	5	9.63	67.85	0.00
PCC-Allegro	5	414.24	69.41	2.85
PCC-Expr	4	12.44	66.54	29.95
QUIC Cubic	5	64.65	66.16	0.02
SCReAM	5	0.22	67.05	0.00
Sprout	5	1.75	68.98	0.00
TaoVA-100x	1	12.41	73.70	24.67
TCP Vegas	5	131.59	64.97	0.66
Verus	5	80.85	100.82	58.83
PCC-Vivace	5	208.44	68.41	0.87
WebRTC media	5	0.05	65.34	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-03-18 19:40:41
End at: 2019-03-18 19:41:11
Local clock offset: 0.904 ms
Remote clock offset: -39.473 ms

# Below is generated by plot.py at 2019-03-18 22:10:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 248.71 Mbit/s
95th percentile per-packet one-way delay: 62.557 ms
Loss rate: 6.71%
-- Flow 1:
Average throughput: 248.71 Mbit/s
95th percentile per-packet one-way delay: 62.557 ms
Loss rate: 6.71%
```

## Run 1: Report of TCP BBR — Data Link

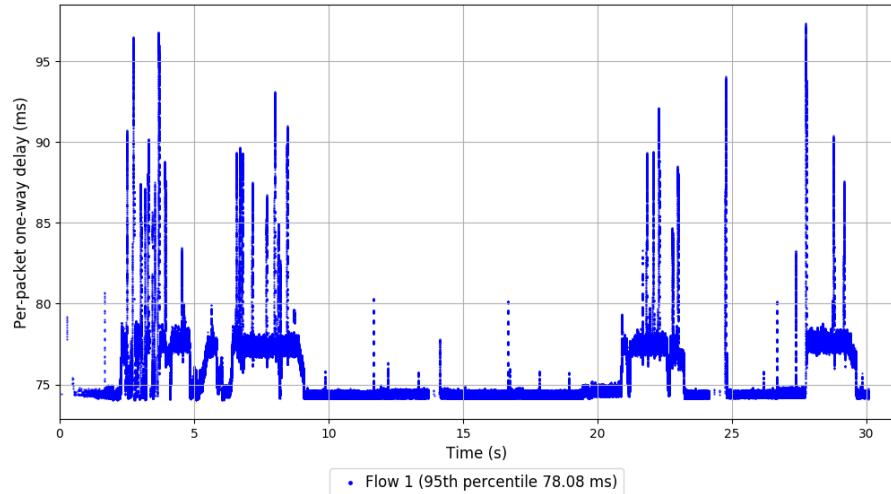
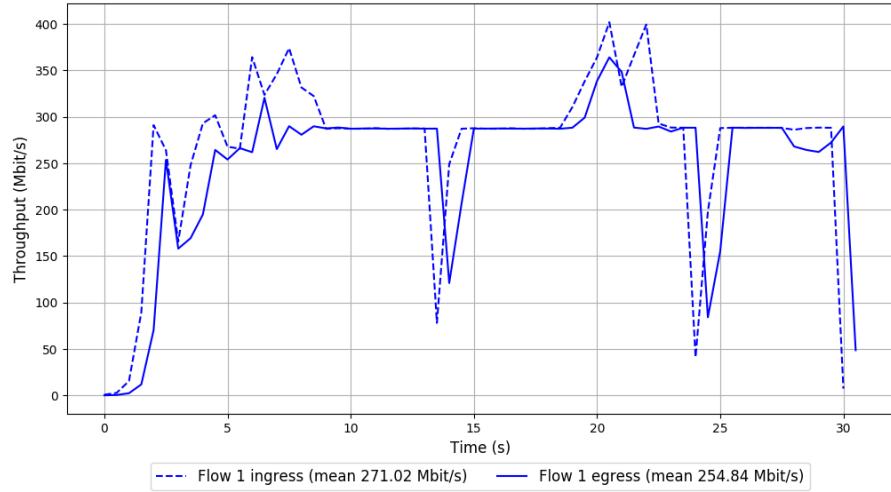


Run 2: Statistics of TCP BBR

```
Start at: 2019-03-18 20:19:17
End at: 2019-03-18 20:19:47
Local clock offset: -1.3 ms
Remote clock offset: -28.028 ms

# Below is generated by plot.py at 2019-03-18 22:10:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 254.84 Mbit/s
95th percentile per-packet one-way delay: 78.079 ms
Loss rate: 5.98%
-- Flow 1:
Average throughput: 254.84 Mbit/s
95th percentile per-packet one-way delay: 78.079 ms
Loss rate: 5.98%
```

## Run 2: Report of TCP BBR — Data Link

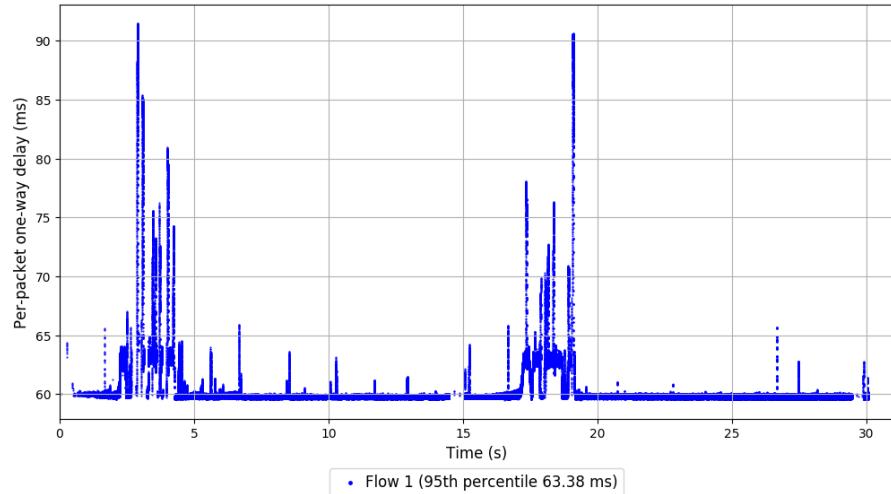
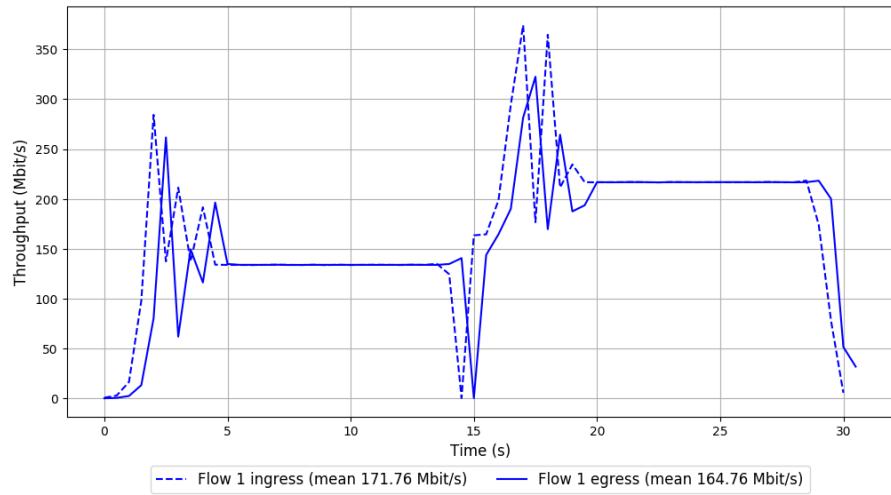


Run 3: Statistics of TCP BBR

```
Start at: 2019-03-18 20:46:46
End at: 2019-03-18 20:47:16
Local clock offset: 1.364 ms
Remote clock offset: -36.529 ms

# Below is generated by plot.py at 2019-03-18 22:10:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 164.76 Mbit/s
95th percentile per-packet one-way delay: 63.384 ms
Loss rate: 4.07%
-- Flow 1:
Average throughput: 164.76 Mbit/s
95th percentile per-packet one-way delay: 63.384 ms
Loss rate: 4.07%
```

### Run 3: Report of TCP BBR — Data Link

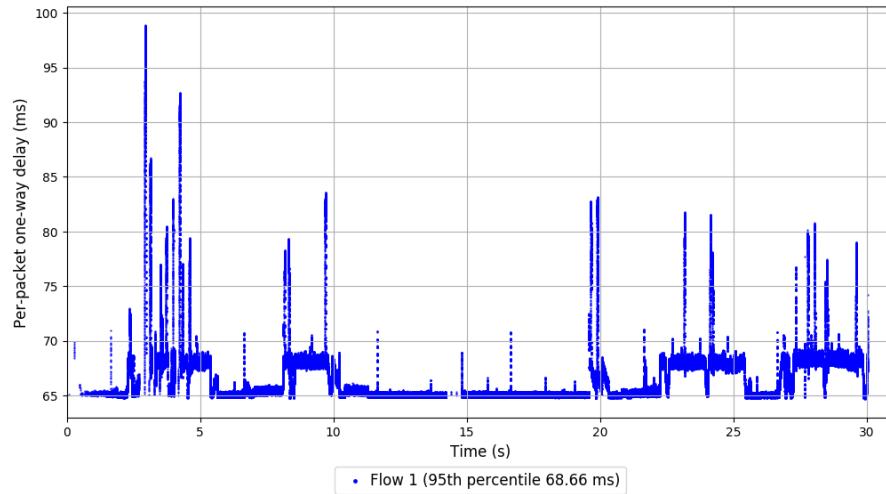
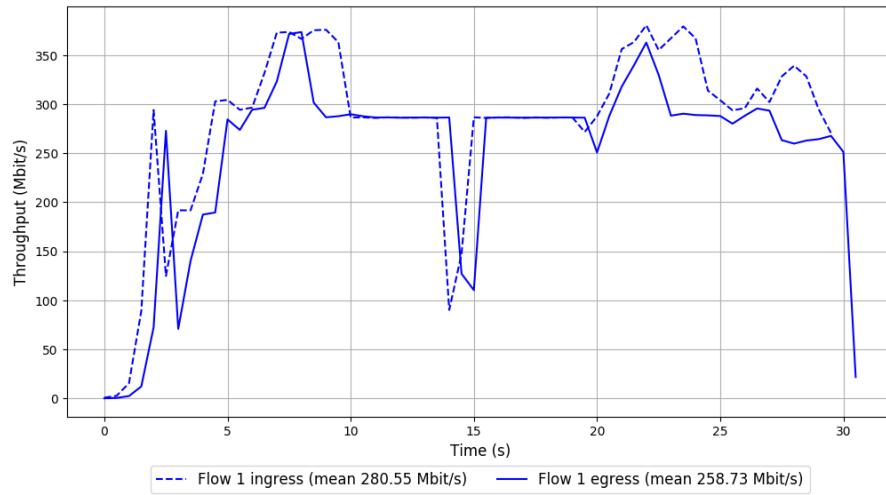


Run 4: Statistics of TCP BBR

```
Start at: 2019-03-18 21:19:46
End at: 2019-03-18 21:20:16
Local clock offset: 1.522 ms
Remote clock offset: -30.61 ms

# Below is generated by plot.py at 2019-03-18 22:10:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 258.73 Mbit/s
95th percentile per-packet one-way delay: 68.658 ms
Loss rate: 7.78%
-- Flow 1:
Average throughput: 258.73 Mbit/s
95th percentile per-packet one-way delay: 68.658 ms
Loss rate: 7.78%
```

#### Run 4: Report of TCP BBR — Data Link

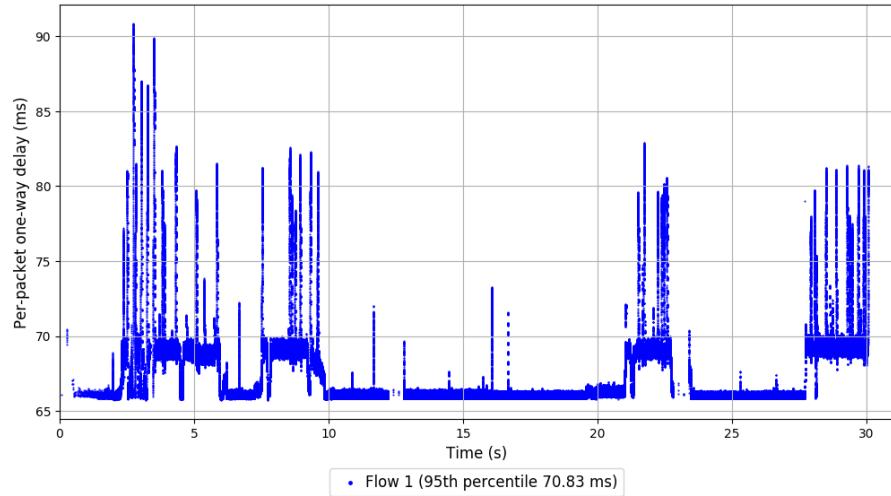
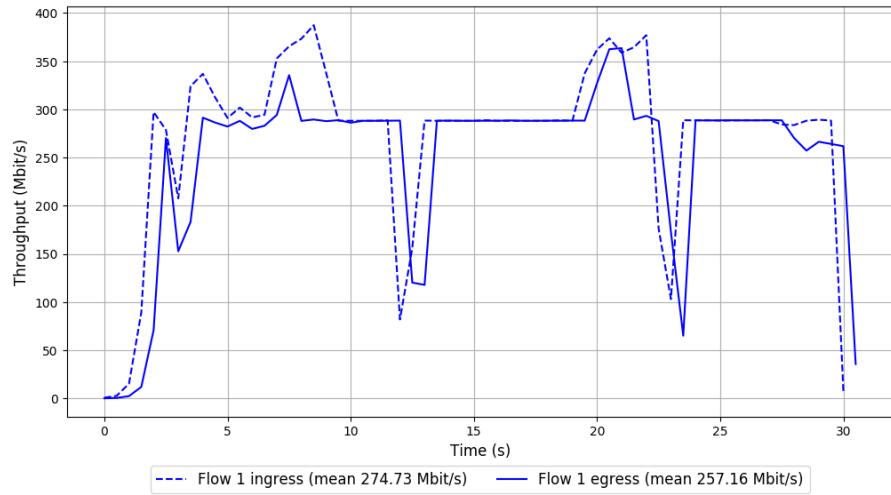


Run 5: Statistics of TCP BBR

```
Start at: 2019-03-18 21:47:13
End at: 2019-03-18 21:47:43
Local clock offset: -0.88 ms
Remote clock offset: -29.966 ms

# Below is generated by plot.py at 2019-03-18 22:10:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 257.16 Mbit/s
95th percentile per-packet one-way delay: 70.826 ms
Loss rate: 6.39%
-- Flow 1:
Average throughput: 257.16 Mbit/s
95th percentile per-packet one-way delay: 70.826 ms
Loss rate: 6.39%
```

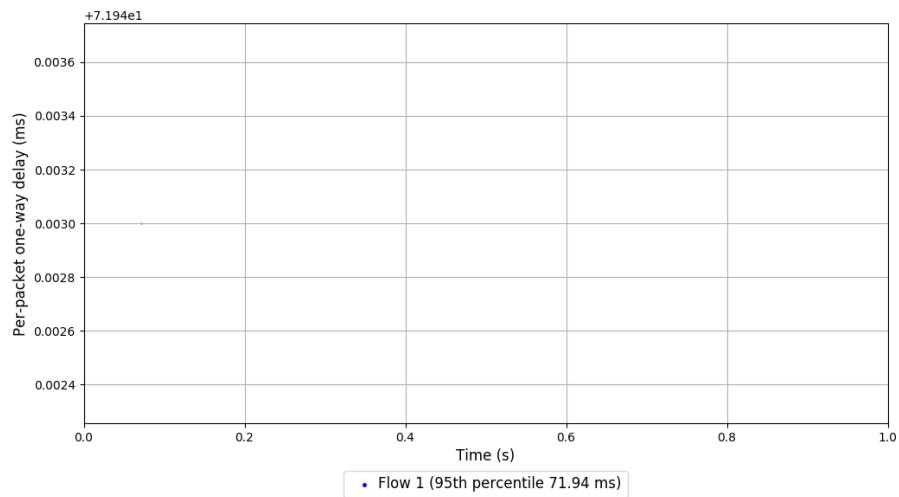
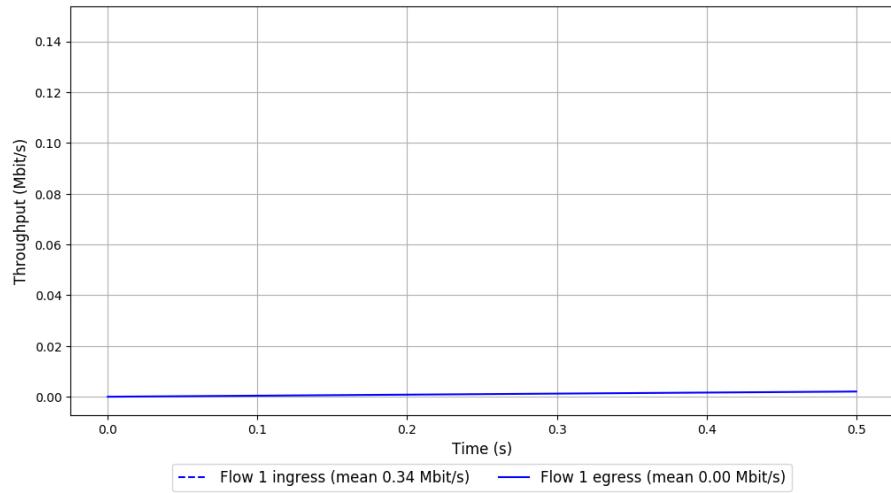
### Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-03-18 19:51:29  
End at: 2019-03-18 19:51:59  
Local clock offset: 0.391 ms  
Remote clock offset: -28.889 ms

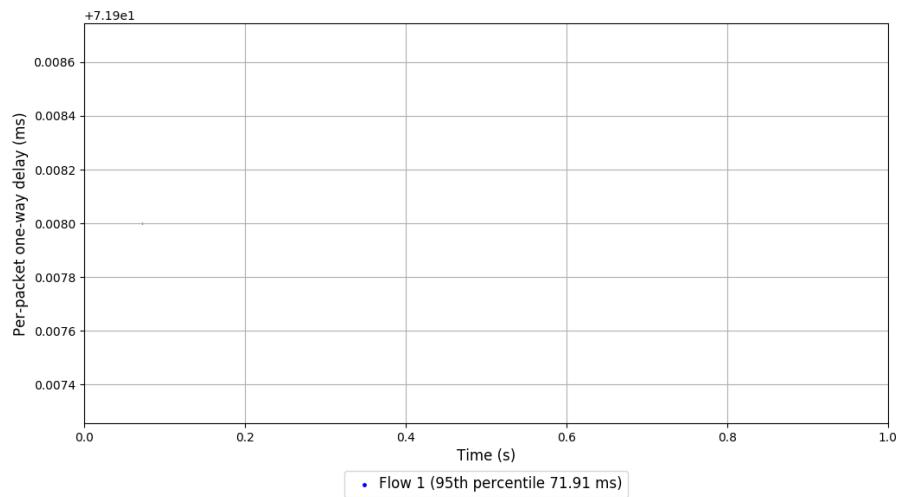
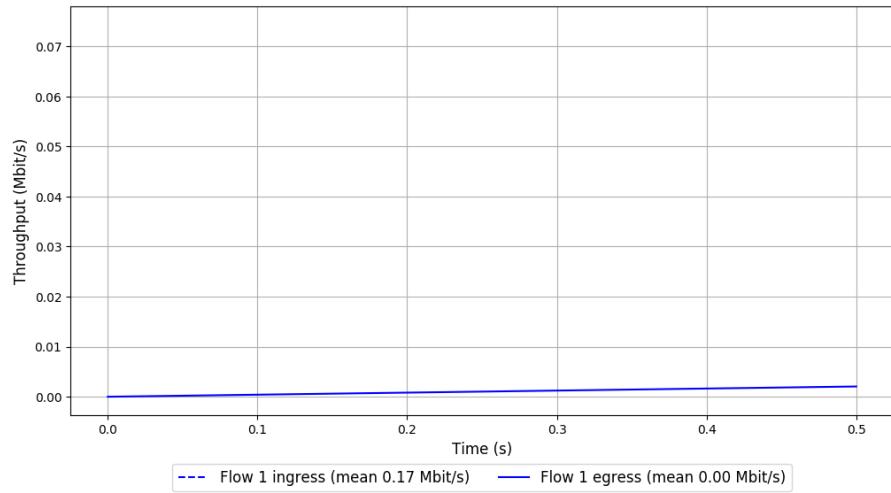
## Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-03-18 20:24:26  
End at: 2019-03-18 20:24:56  
Local clock offset: -1.022 ms  
Remote clock offset: -28.254 ms

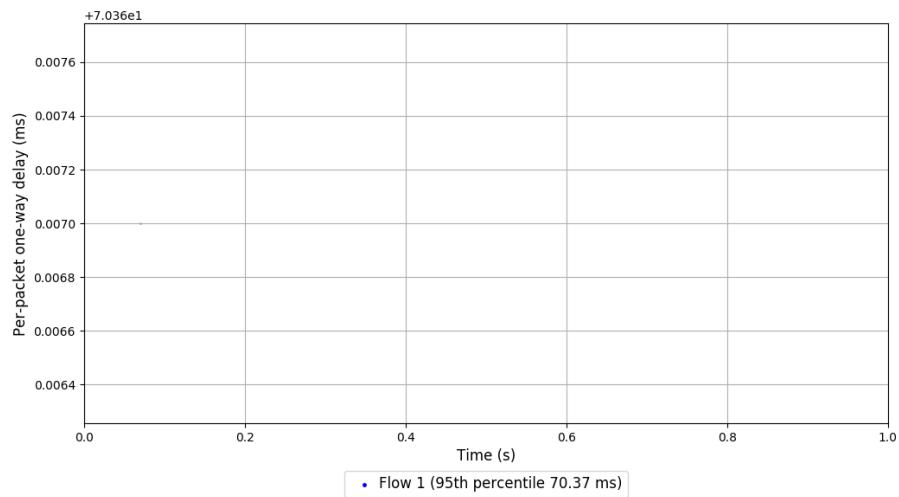
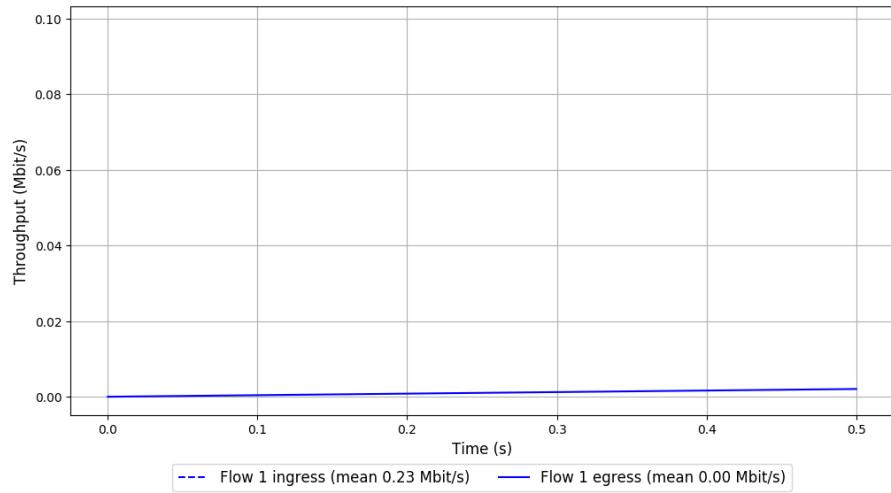
## Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-03-18 20:51:50  
End at: 2019-03-18 20:52:20  
Local clock offset: 0.528 ms  
Remote clock offset: -28.727 ms

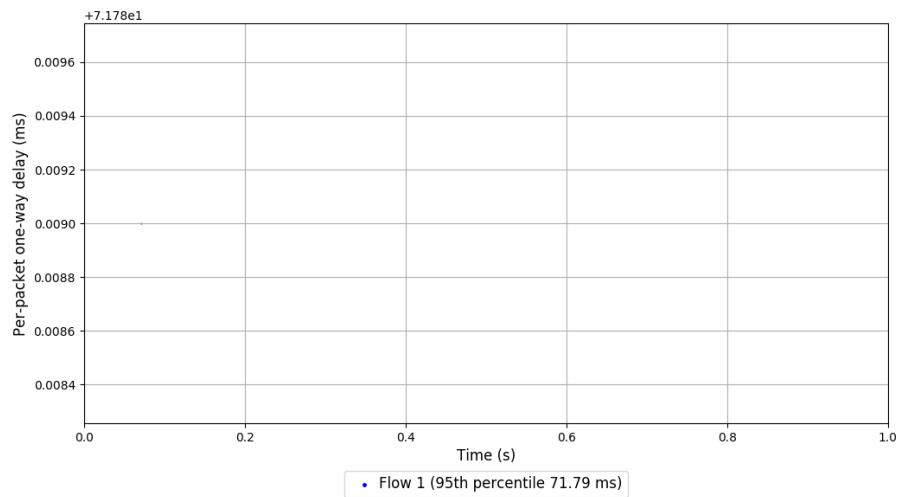
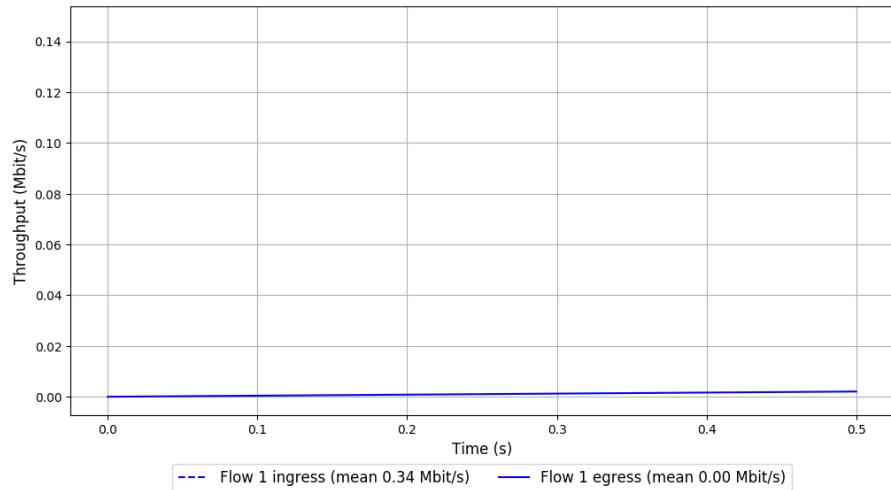
### Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-03-18 21:24:56  
End at: 2019-03-18 21:25:26  
Local clock offset: -2.439 ms  
Remote clock offset: -24.851 ms

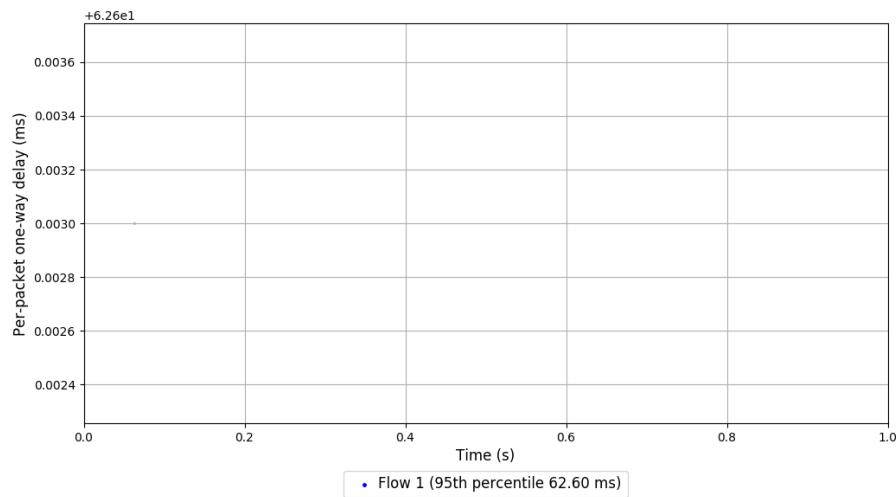
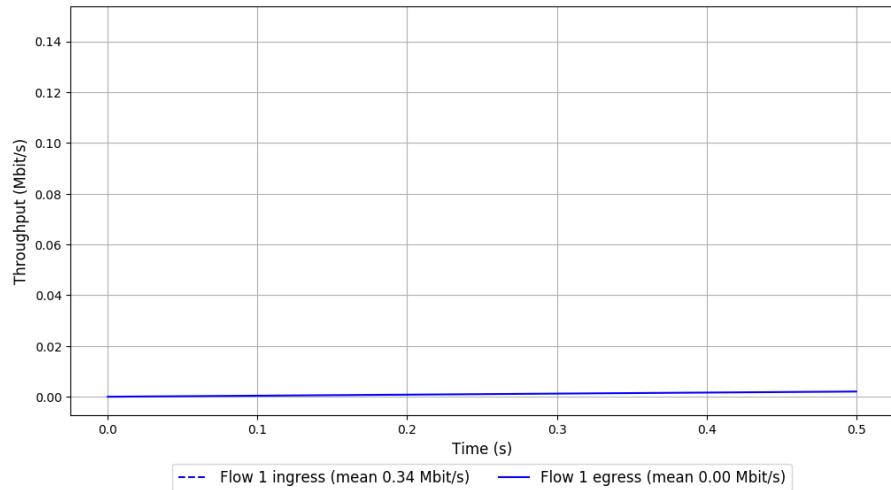
## Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-03-18 21:52:21  
End at: 2019-03-18 21:52:51  
Local clock offset: 0.278 ms  
Remote clock offset: -32.776 ms

## Run 5: Report of Copa — Data Link

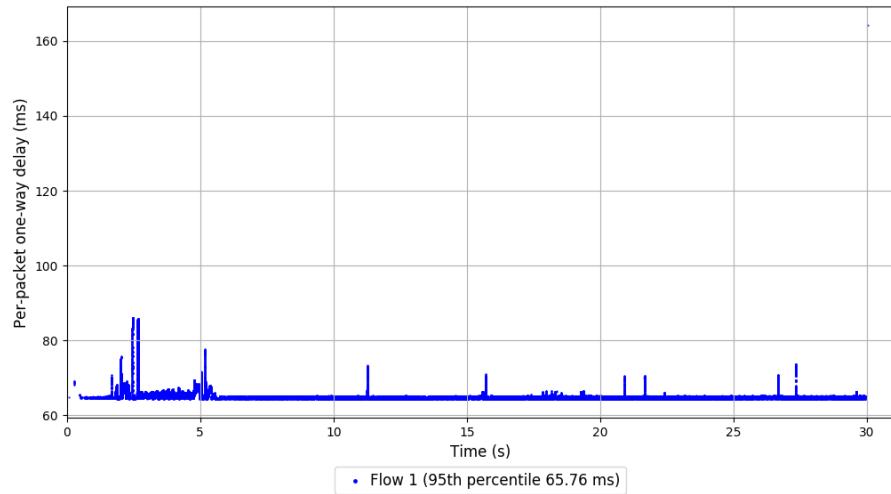
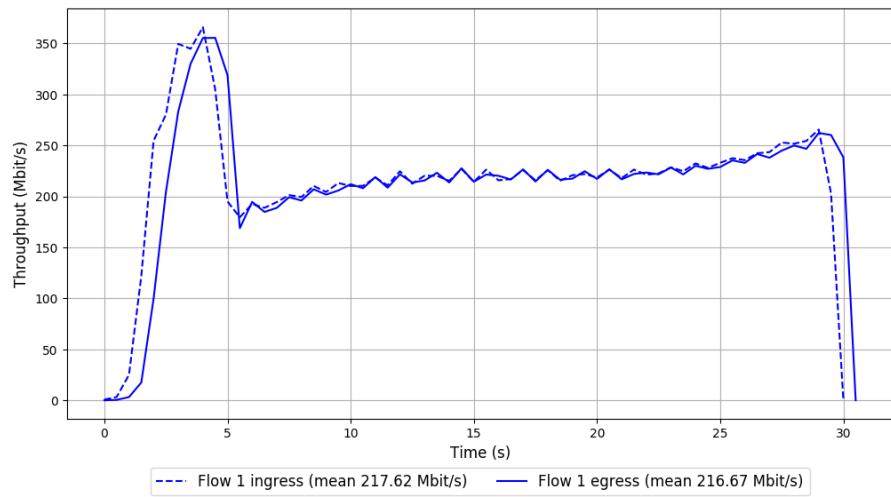


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-03-18 19:39:21
End at: 2019-03-18 19:39:51
Local clock offset: 0.313 ms
Remote clock offset: -34.468 ms

# Below is generated by plot.py at 2019-03-18 22:10:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.67 Mbit/s
95th percentile per-packet one-way delay: 65.756 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 216.67 Mbit/s
95th percentile per-packet one-way delay: 65.756 ms
Loss rate: 0.57%
```

### Run 1: Report of TCP Cubic — Data Link

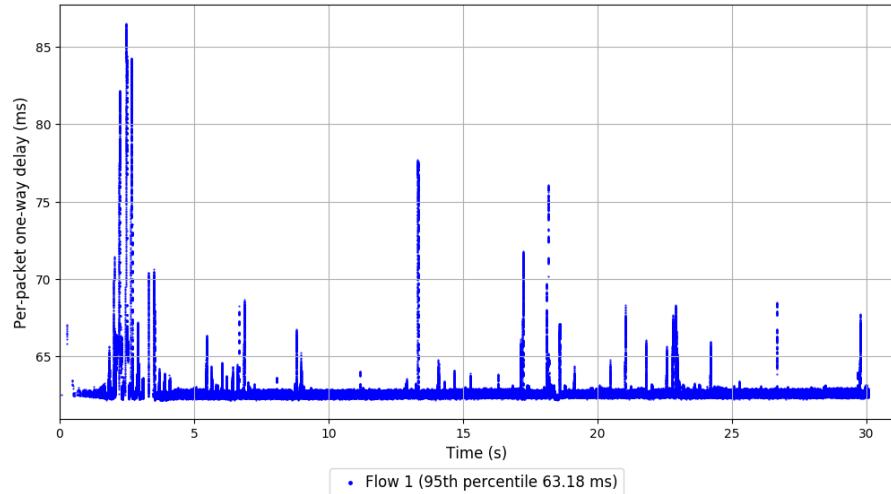
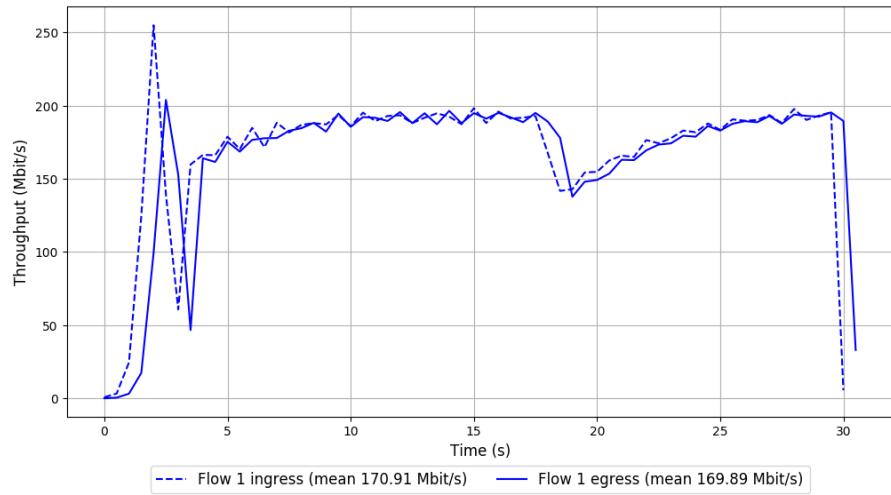


Run 2: Statistics of TCP Cubic

```
Start at: 2019-03-18 20:17:50
End at: 2019-03-18 20:18:20
Local clock offset: 1.035 ms
Remote clock offset: -35.23 ms

# Below is generated by plot.py at 2019-03-18 22:10:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 169.89 Mbit/s
95th percentile per-packet one-way delay: 63.182 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 169.89 Mbit/s
95th percentile per-packet one-way delay: 63.182 ms
Loss rate: 0.60%
```

## Run 2: Report of TCP Cubic — Data Link

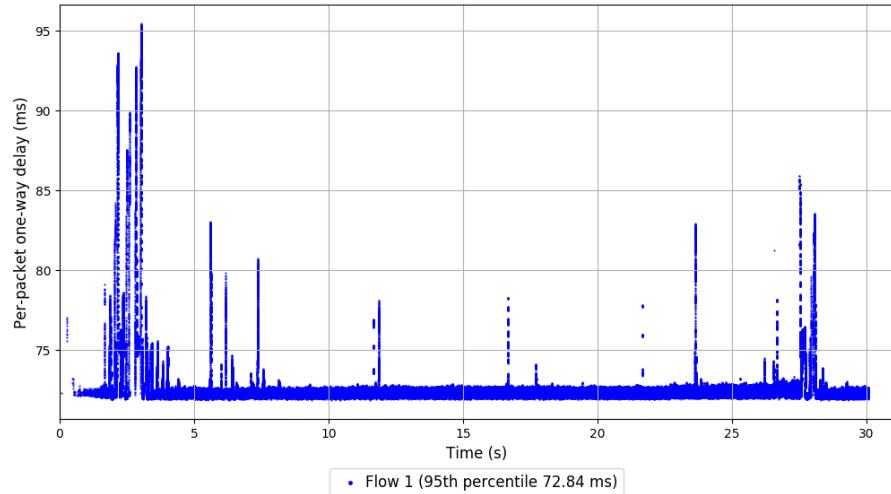
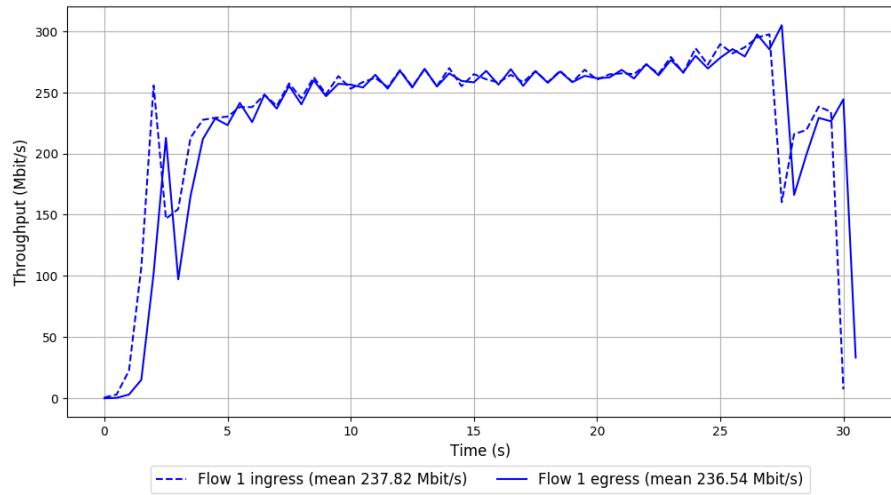


Run 3: Statistics of TCP Cubic

```
Start at: 2019-03-18 20:45:25
End at: 2019-03-18 20:45:55
Local clock offset: 3.216 ms
Remote clock offset: -24.754 ms

# Below is generated by plot.py at 2019-03-18 22:10:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 236.54 Mbit/s
95th percentile per-packet one-way delay: 72.844 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 236.54 Mbit/s
95th percentile per-packet one-way delay: 72.844 ms
Loss rate: 0.54%
```

### Run 3: Report of TCP Cubic — Data Link

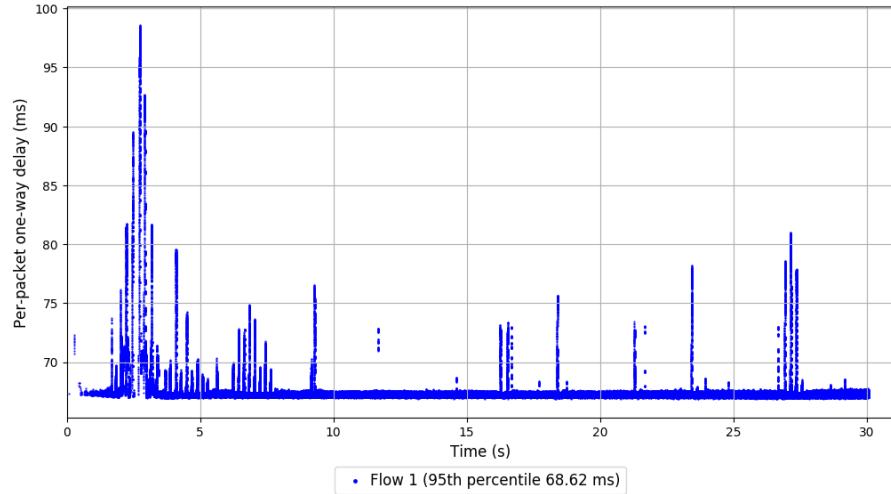
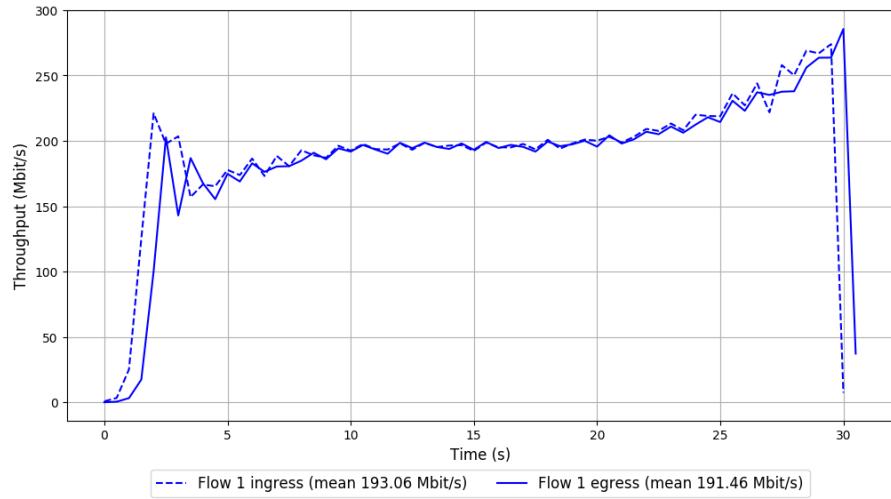


Run 4: Statistics of TCP Cubic

```
Start at: 2019-03-18 21:18:27
End at: 2019-03-18 21:18:57
Local clock offset: -3.227 ms
Remote clock offset: -30.834 ms

# Below is generated by plot.py at 2019-03-18 22:11:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.46 Mbit/s
95th percentile per-packet one-way delay: 68.619 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 191.46 Mbit/s
95th percentile per-packet one-way delay: 68.619 ms
Loss rate: 0.83%
```

#### Run 4: Report of TCP Cubic — Data Link

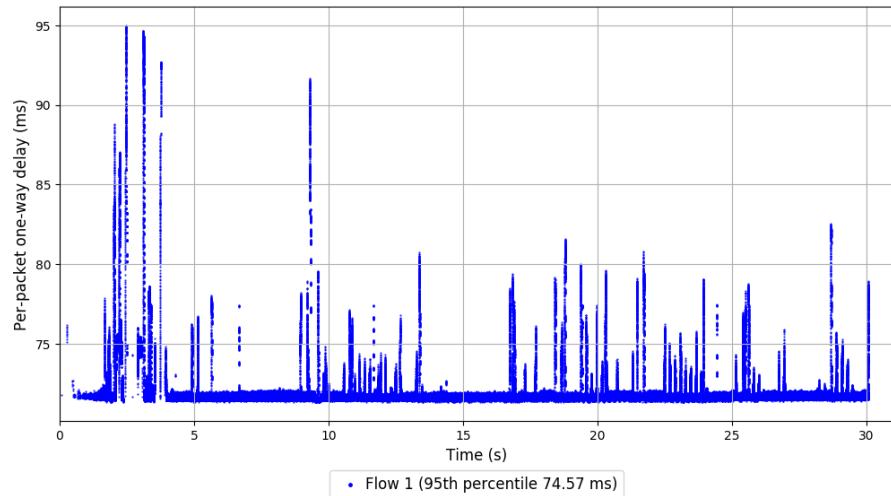
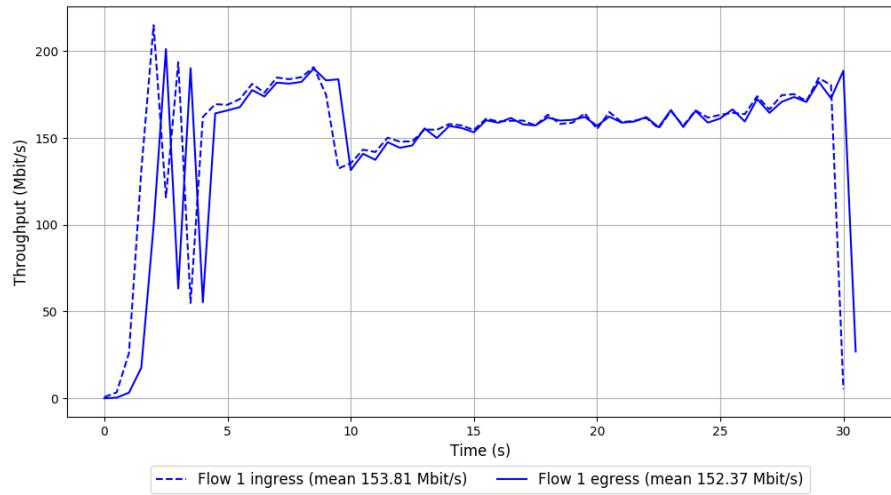


Run 5: Statistics of TCP Cubic

```
Start at: 2019-03-18 21:45:55
End at: 2019-03-18 21:46:25
Local clock offset: -0.624 ms
Remote clock offset: -21.578 ms

# Below is generated by plot.py at 2019-03-18 22:11:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 152.37 Mbit/s
95th percentile per-packet one-way delay: 74.574 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 152.37 Mbit/s
95th percentile per-packet one-way delay: 74.574 ms
Loss rate: 0.94%
```

Run 5: Report of TCP Cubic — Data Link

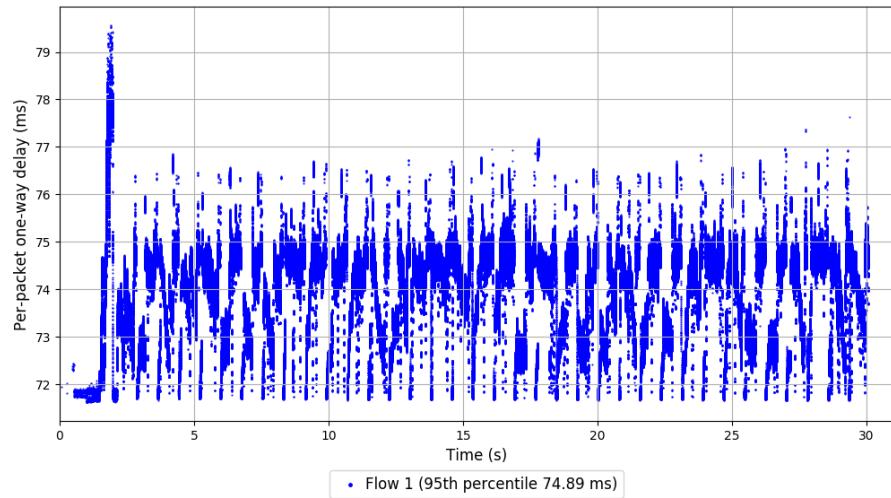
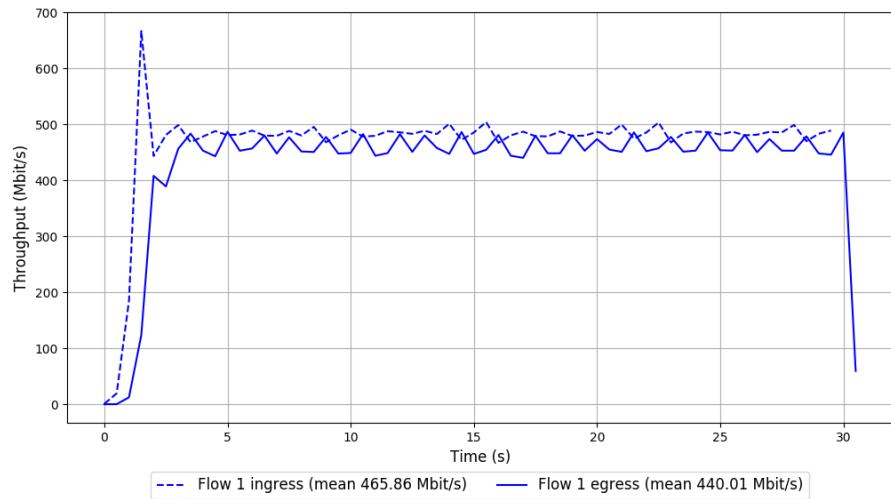


```
Run 1: Statistics of FillP

Start at: 2019-03-18 19:55:21
End at: 2019-03-18 19:55:51
Local clock offset: -0.292 ms
Remote clock offset: -29.221 ms

# Below is generated by plot.py at 2019-03-18 22:16:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 440.01 Mbit/s
95th percentile per-packet one-way delay: 74.892 ms
Loss rate: 5.55%
-- Flow 1:
Average throughput: 440.01 Mbit/s
95th percentile per-packet one-way delay: 74.892 ms
Loss rate: 5.55%
```

### Run 1: Report of FillP — Data Link

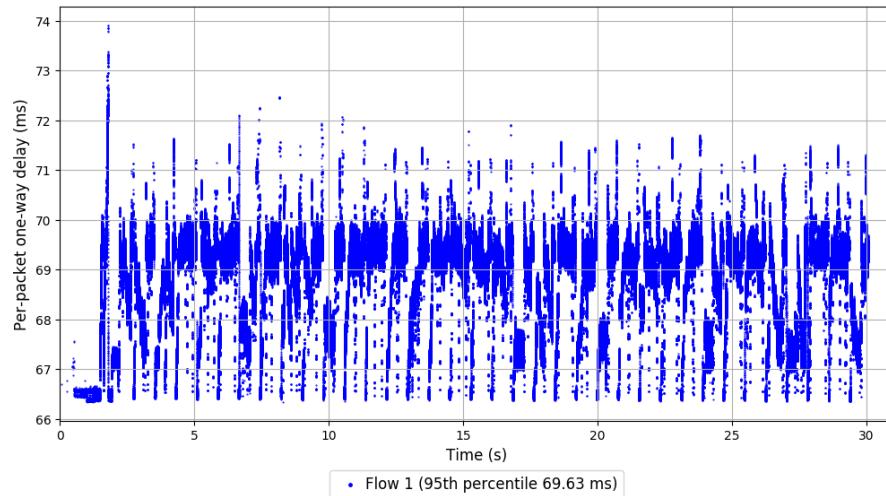
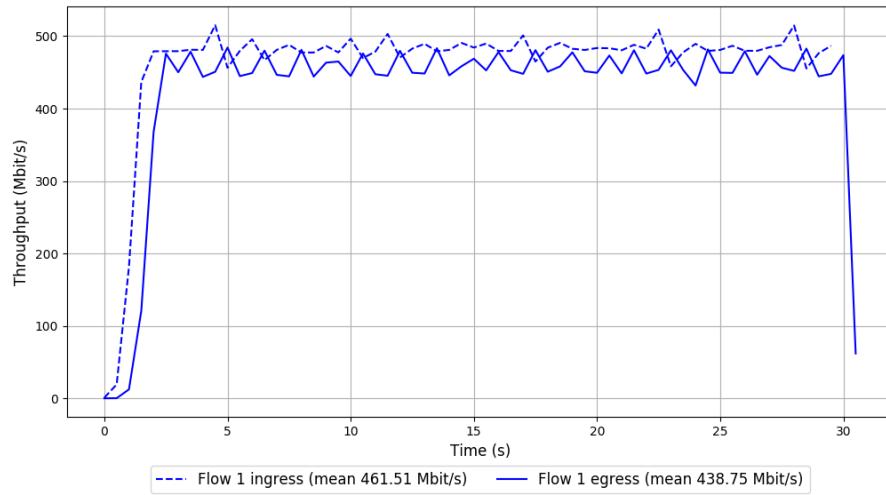


```
Run 2: Statistics of FillP
```

```
Start at: 2019-03-18 20:28:20
End at: 2019-03-18 20:28:50
Local clock offset: 1.428 ms
Remote clock offset: -32.803 ms

# Below is generated by plot.py at 2019-03-18 22:16:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 438.75 Mbit/s
95th percentile per-packet one-way delay: 69.629 ms
Loss rate: 4.93%
-- Flow 1:
Average throughput: 438.75 Mbit/s
95th percentile per-packet one-way delay: 69.629 ms
Loss rate: 4.93%
```

## Run 2: Report of FillP — Data Link

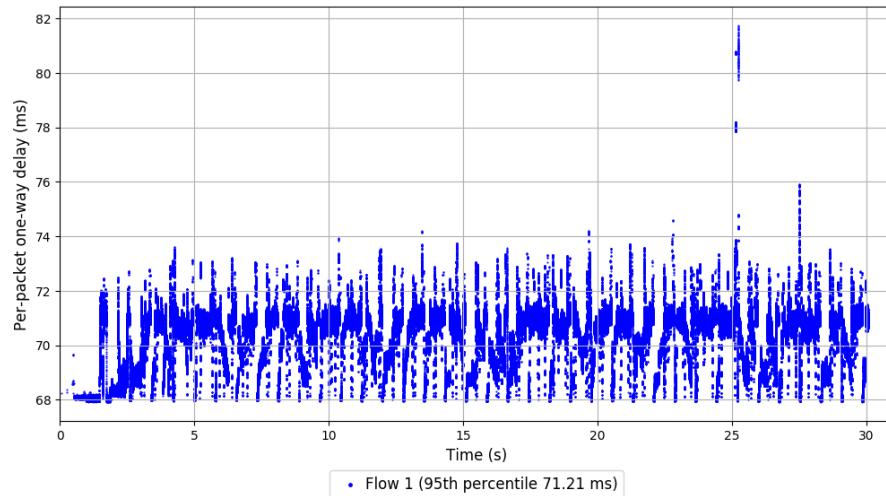
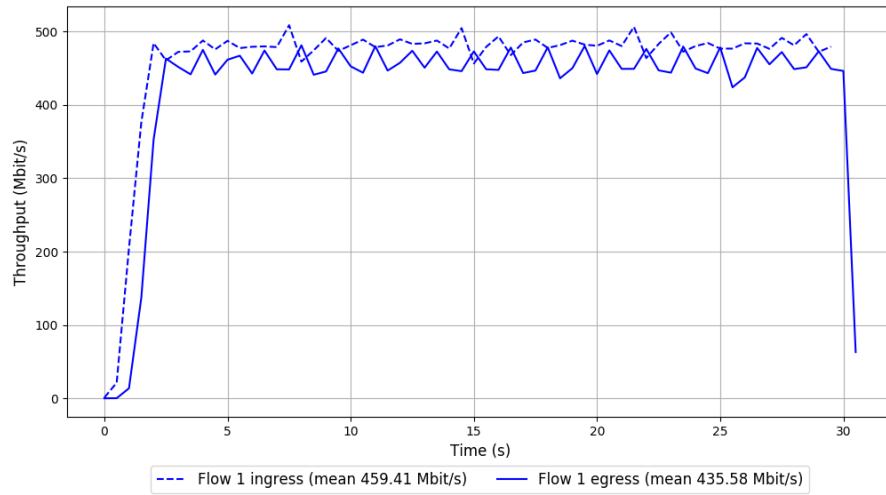


```
Run 3: Statistics of FillP
```

```
Start at: 2019-03-18 20:55:41
End at: 2019-03-18 20:56:11
Local clock offset: 2.848 ms
Remote clock offset: -25.583 ms

# Below is generated by plot.py at 2019-03-18 22:16:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 435.58 Mbit/s
95th percentile per-packet one-way delay: 71.208 ms
Loss rate: 5.18%
-- Flow 1:
Average throughput: 435.58 Mbit/s
95th percentile per-packet one-way delay: 71.208 ms
Loss rate: 5.18%
```

### Run 3: Report of FillP — Data Link

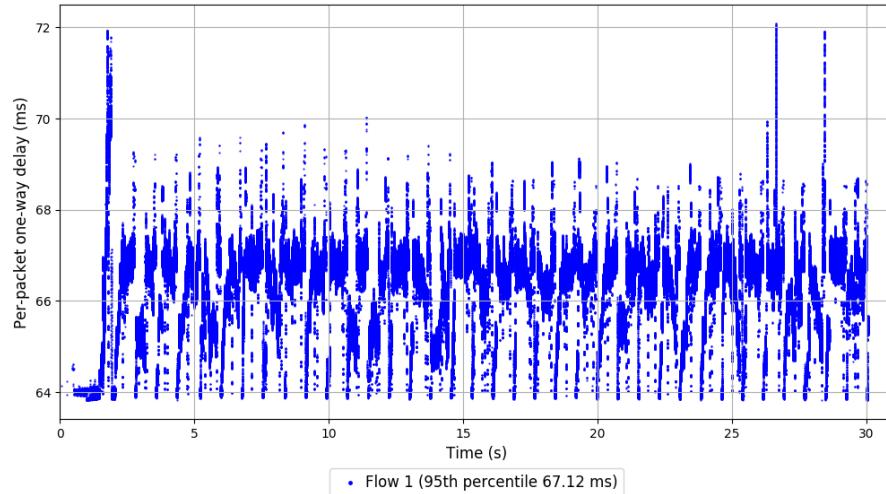
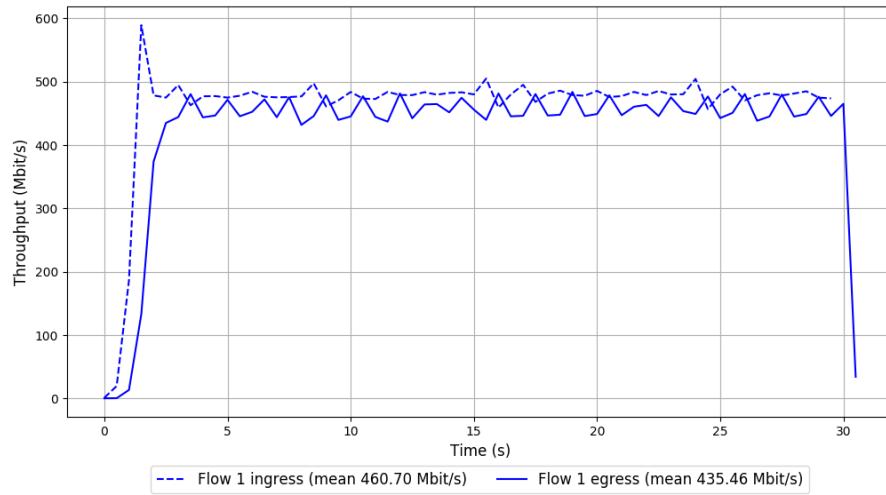


```
Run 4: Statistics of FillP
```

```
Start at: 2019-03-18 21:28:48
End at: 2019-03-18 21:29:18
Local clock offset: 0.026 ms
Remote clock offset: -29.354 ms

# Below is generated by plot.py at 2019-03-18 22:16:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 435.46 Mbit/s
95th percentile per-packet one-way delay: 67.116 ms
Loss rate: 5.47%
-- Flow 1:
Average throughput: 435.46 Mbit/s
95th percentile per-packet one-way delay: 67.116 ms
Loss rate: 5.47%
```

### Run 4: Report of FillP — Data Link

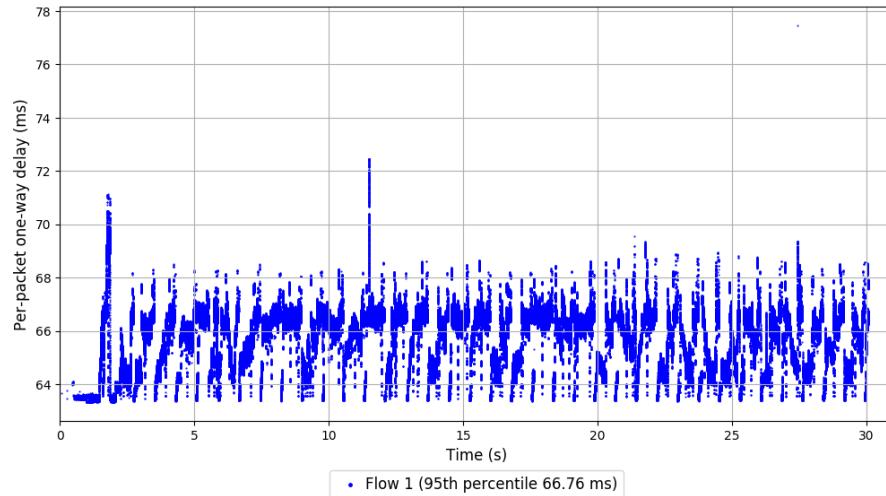
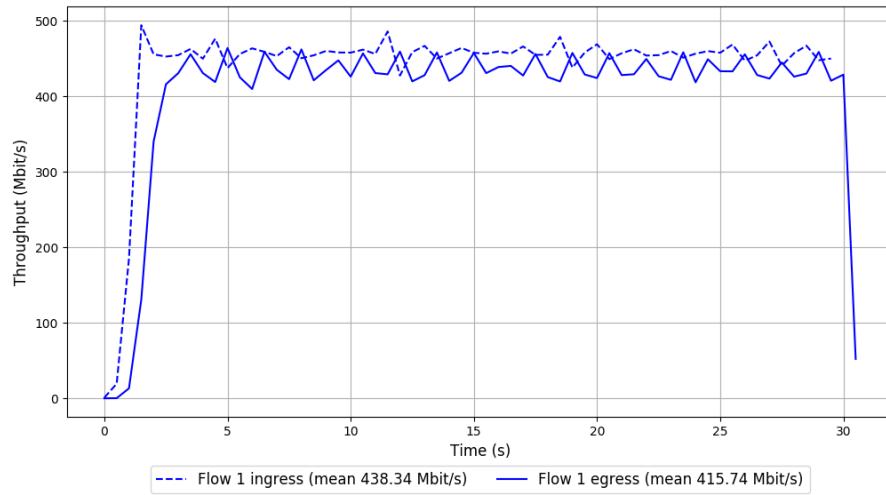


Run 5: Statistics of FillP

```
Start at: 2019-03-18 21:56:13
End at: 2019-03-18 21:56:43
Local clock offset: 0.669 ms
Remote clock offset: -28.814 ms

# Below is generated by plot.py at 2019-03-18 22:16:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 415.74 Mbit/s
95th percentile per-packet one-way delay: 66.757 ms
Loss rate: 5.15%
-- Flow 1:
Average throughput: 415.74 Mbit/s
95th percentile per-packet one-way delay: 66.757 ms
Loss rate: 5.15%
```

### Run 5: Report of FillP — Data Link

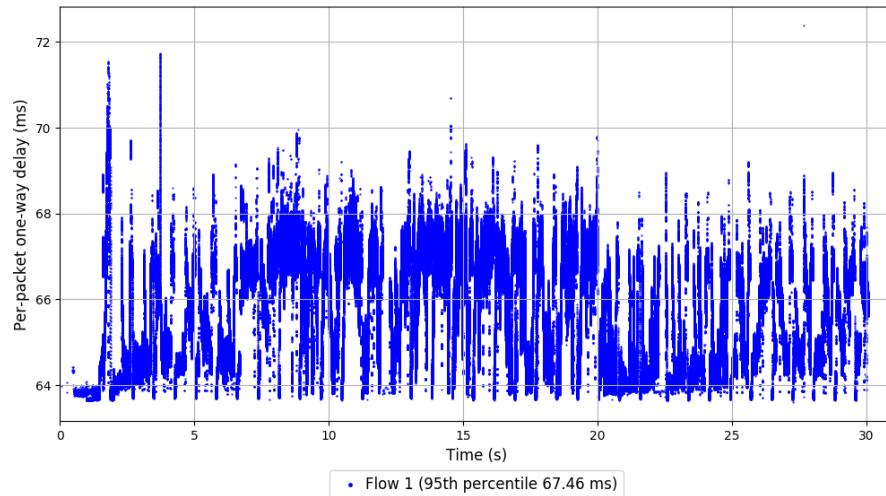
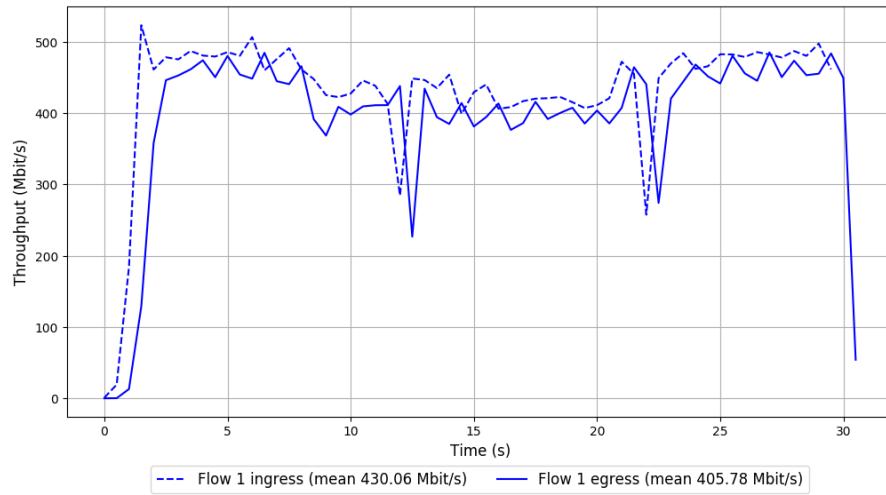


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-03-18 19:30:49
End at: 2019-03-18 19:31:19
Local clock offset: 1.245 ms
Remote clock offset: -34.494 ms

# Below is generated by plot.py at 2019-03-18 22:16:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 405.78 Mbit/s
95th percentile per-packet one-way delay: 67.459 ms
Loss rate: 5.64%
-- Flow 1:
Average throughput: 405.78 Mbit/s
95th percentile per-packet one-way delay: 67.459 ms
Loss rate: 5.64%
```

Run 1: Report of FillP-Sheep — Data Link

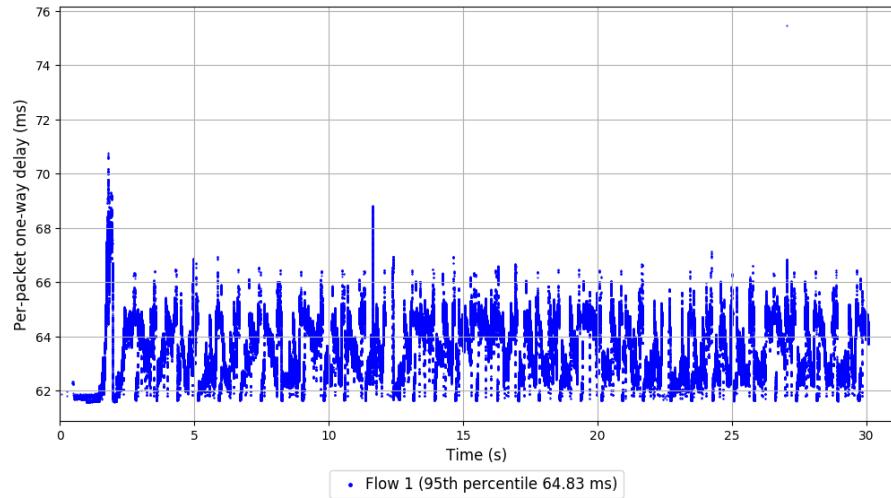
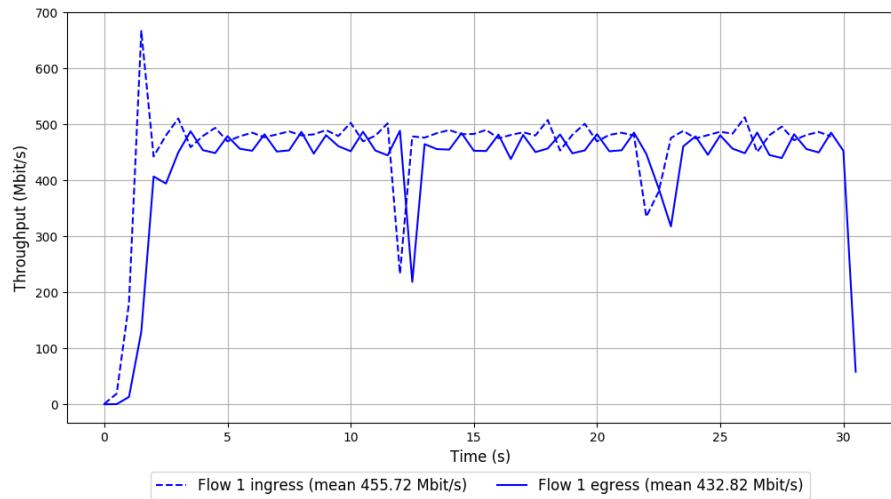


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-03-18 20:09:31
End at: 2019-03-18 20:10:01
Local clock offset: -0.252 ms
Remote clock offset: -36.573 ms

# Below is generated by plot.py at 2019-03-18 22:17:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 432.82 Mbit/s
95th percentile per-packet one-way delay: 64.833 ms
Loss rate: 5.02%
-- Flow 1:
Average throughput: 432.82 Mbit/s
95th percentile per-packet one-way delay: 64.833 ms
Loss rate: 5.02%
```

## Run 2: Report of FillP-Sheep — Data Link

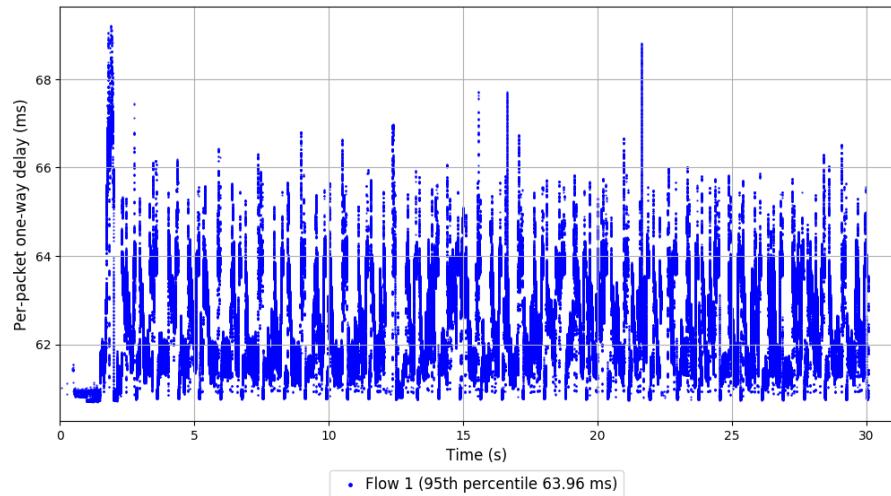
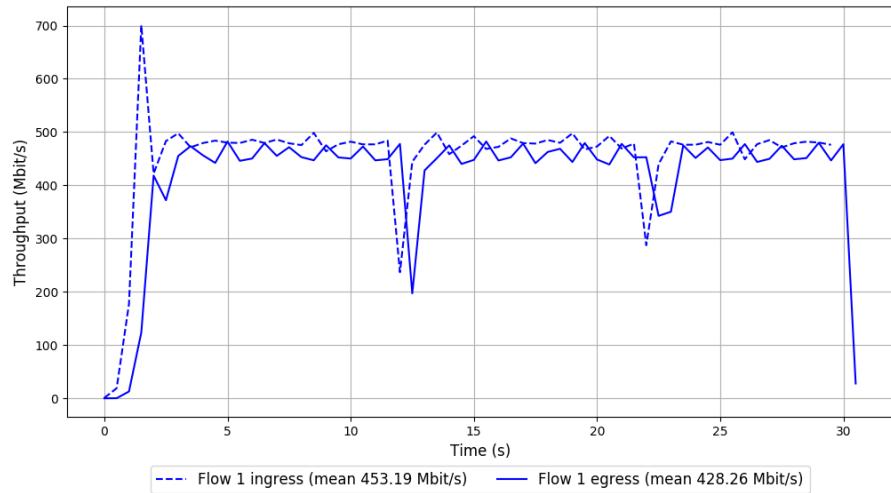


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-03-18 20:42:32
End at: 2019-03-18 20:43:02
Local clock offset: 2.343 ms
Remote clock offset: -36.839 ms

# Below is generated by plot.py at 2019-03-18 22:17:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 428.26 Mbit/s
95th percentile per-packet one-way delay: 63.959 ms
Loss rate: 5.50%
-- Flow 1:
Average throughput: 428.26 Mbit/s
95th percentile per-packet one-way delay: 63.959 ms
Loss rate: 5.50%
```

### Run 3: Report of FillP-Sheep — Data Link

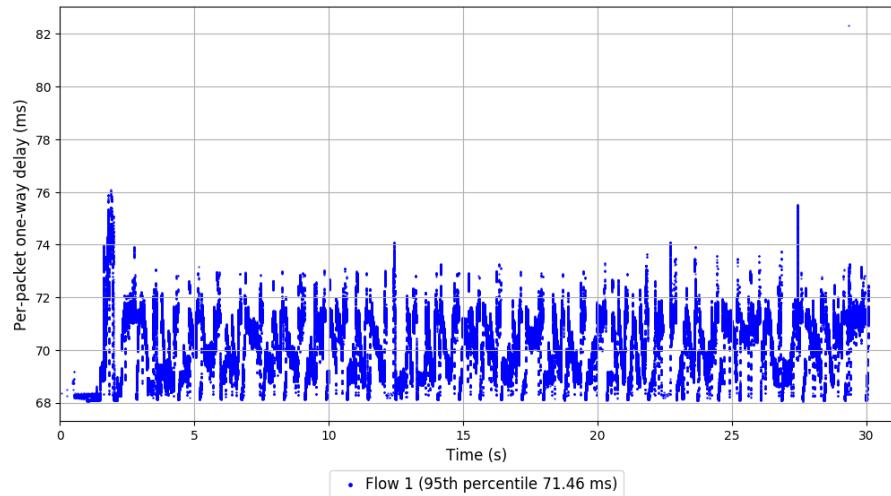
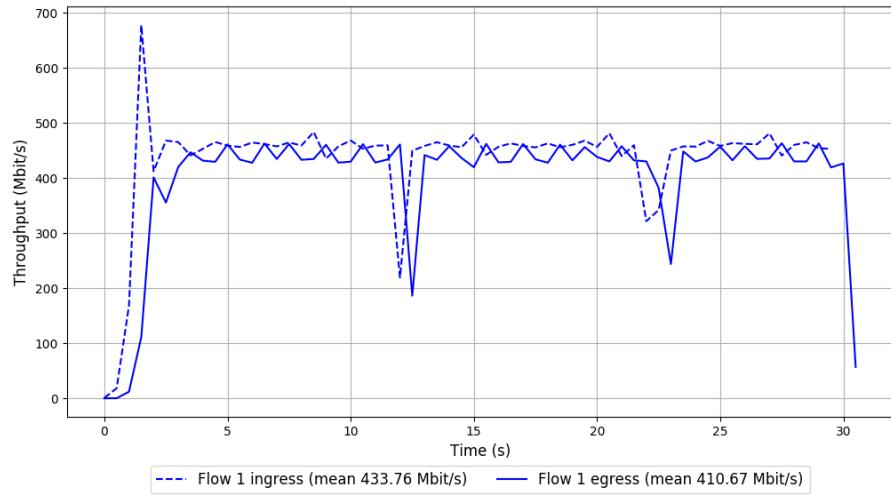


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-03-18 21:15:33
End at: 2019-03-18 21:16:03
Local clock offset: -0.262 ms
Remote clock offset: -29.825 ms

# Below is generated by plot.py at 2019-03-18 22:21:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 410.67 Mbit/s
95th percentile per-packet one-way delay: 71.461 ms
Loss rate: 5.32%
-- Flow 1:
Average throughput: 410.67 Mbit/s
95th percentile per-packet one-way delay: 71.461 ms
Loss rate: 5.32%
```

Run 4: Report of FillP-Sheep — Data Link

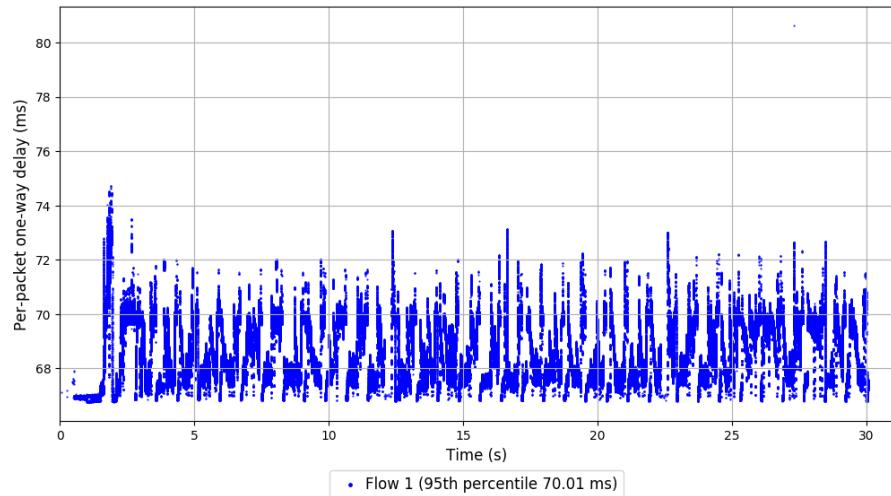
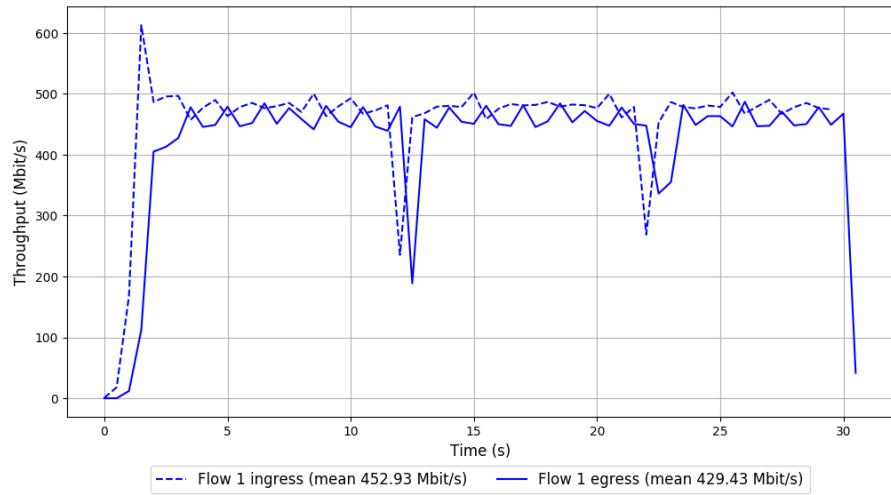


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-03-18 21:43:02
End at: 2019-03-18 21:43:32
Local clock offset: -0.681 ms
Remote clock offset: -28.579 ms

# Below is generated by plot.py at 2019-03-18 22:21:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 429.43 Mbit/s
95th percentile per-packet one-way delay: 70.012 ms
Loss rate: 5.20%
-- Flow 1:
Average throughput: 429.43 Mbit/s
95th percentile per-packet one-way delay: 70.012 ms
Loss rate: 5.20%
```

Run 5: Report of FillP-Sheep — Data Link

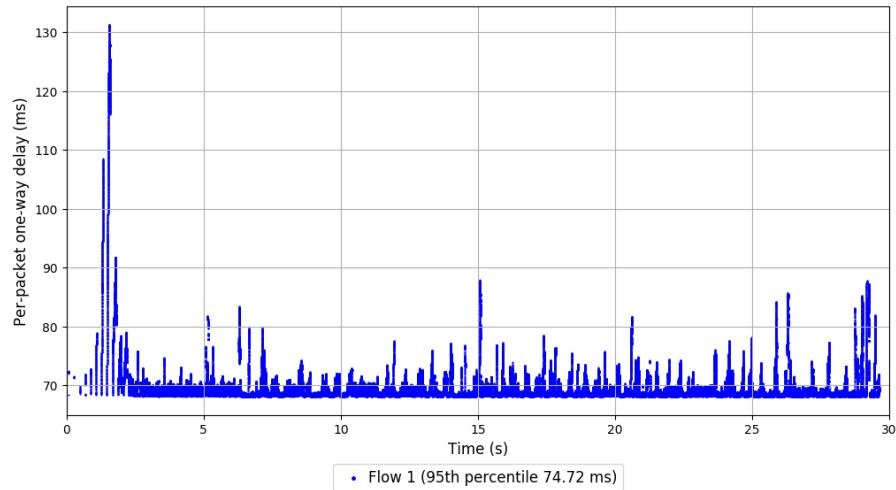
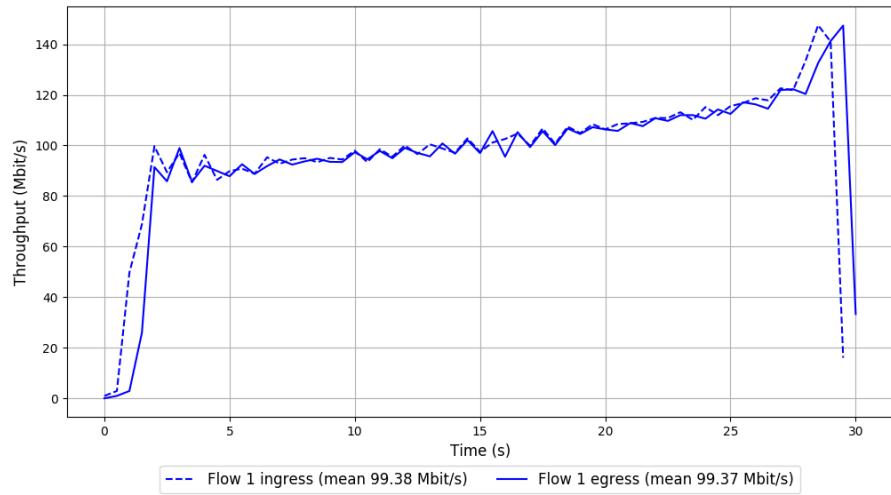


Run 1: Statistics of Indigo

```
Start at: 2019-03-18 19:54:04
End at: 2019-03-18 19:54:34
Local clock offset: -0.841 ms
Remote clock offset: -31.408 ms

# Below is generated by plot.py at 2019-03-18 22:21:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 99.37 Mbit/s
95th percentile per-packet one-way delay: 74.722 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 99.37 Mbit/s
95th percentile per-packet one-way delay: 74.722 ms
Loss rate: 0.01%
```

## Run 1: Report of Indigo — Data Link

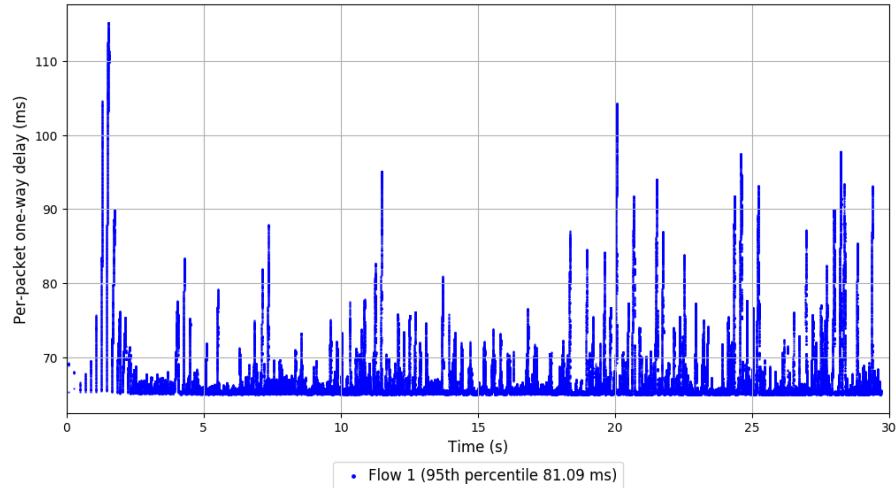
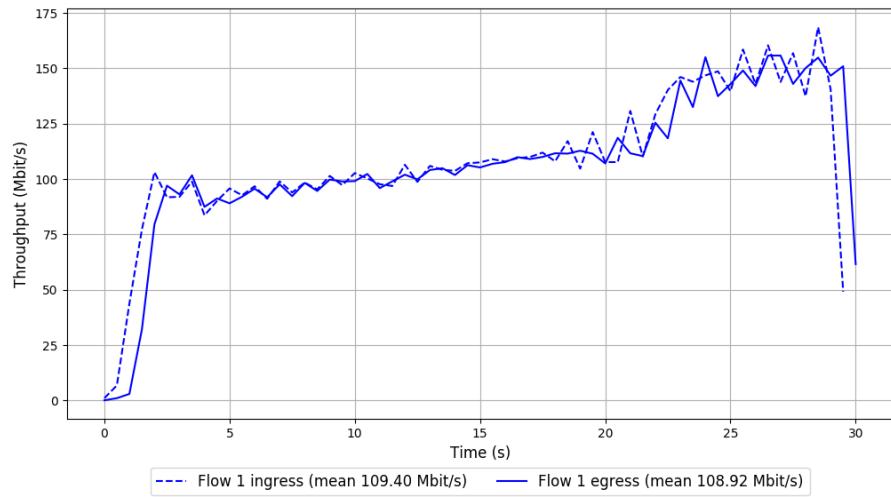


Run 2: Statistics of Indigo

```
Start at: 2019-03-18 20:27:03
End at: 2019-03-18 20:27:33
Local clock offset: 0.039 ms
Remote clock offset: -33.277 ms

# Below is generated by plot.py at 2019-03-18 22:21:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 108.92 Mbit/s
95th percentile per-packet one-way delay: 81.090 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 108.92 Mbit/s
95th percentile per-packet one-way delay: 81.090 ms
Loss rate: 0.44%
```

## Run 2: Report of Indigo — Data Link

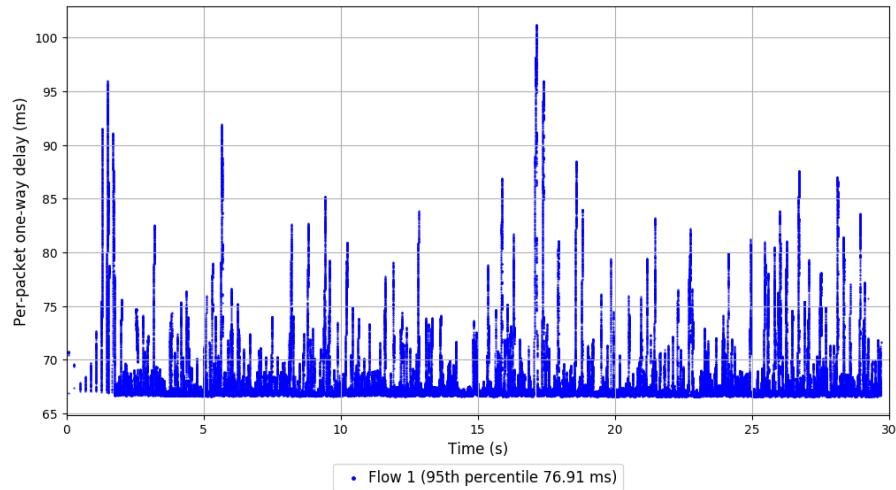
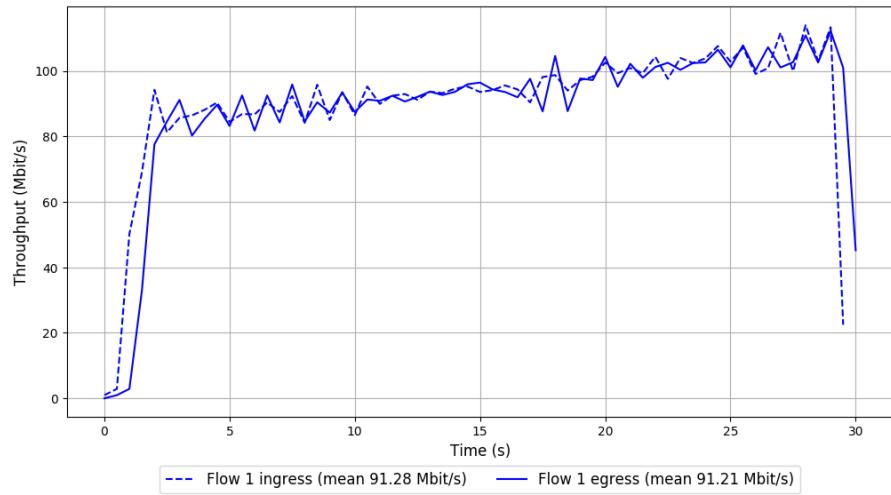


Run 3: Statistics of Indigo

```
Start at: 2019-03-18 20:54:25
End at: 2019-03-18 20:54:55
Local clock offset: -0.102 ms
Remote clock offset: -29.896 ms

# Below is generated by plot.py at 2019-03-18 22:21:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 76.913 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 91.21 Mbit/s
95th percentile per-packet one-way delay: 76.913 ms
Loss rate: 0.07%
```

### Run 3: Report of Indigo — Data Link

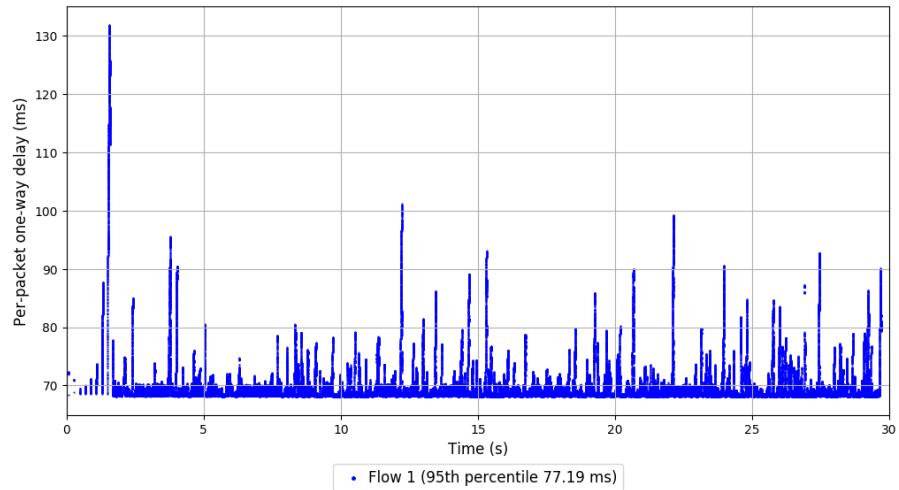
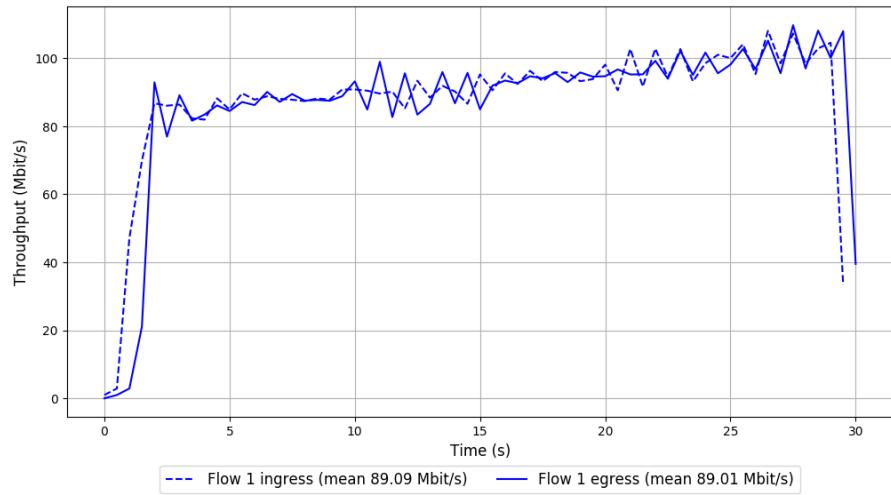


Run 4: Statistics of Indigo

```
Start at: 2019-03-18 21:27:32
End at: 2019-03-18 21:28:02
Local clock offset: 0.431 ms
Remote clock offset: -27.242 ms

# Below is generated by plot.py at 2019-03-18 22:21:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.01 Mbit/s
95th percentile per-packet one-way delay: 77.185 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 89.01 Mbit/s
95th percentile per-packet one-way delay: 77.185 ms
Loss rate: 0.09%
```

Run 4: Report of Indigo — Data Link

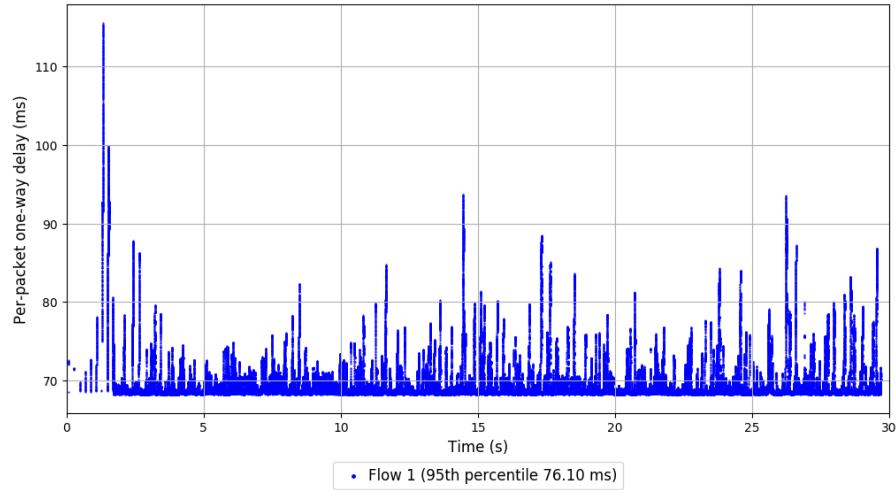
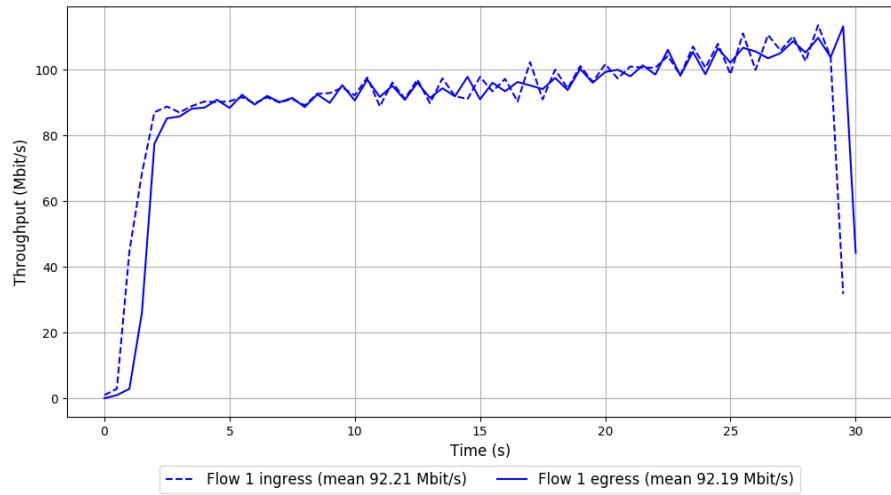


Run 5: Statistics of Indigo

```
Start at: 2019-03-18 21:54:57
End at: 2019-03-18 21:55:27
Local clock offset: 0.549 ms
Remote clock offset: -26.357 ms

# Below is generated by plot.py at 2019-03-18 22:21:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.19 Mbit/s
95th percentile per-packet one-way delay: 76.104 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 92.19 Mbit/s
95th percentile per-packet one-way delay: 76.104 ms
Loss rate: 0.02%
```

## Run 5: Report of Indigo — Data Link

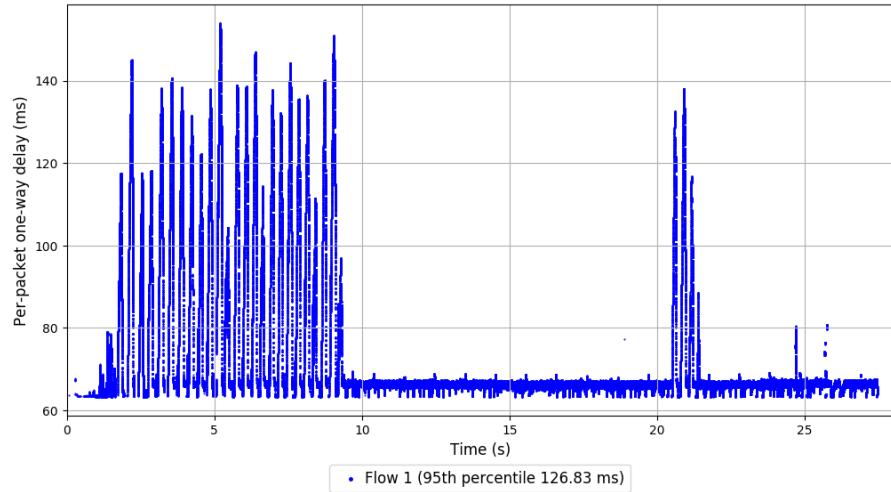
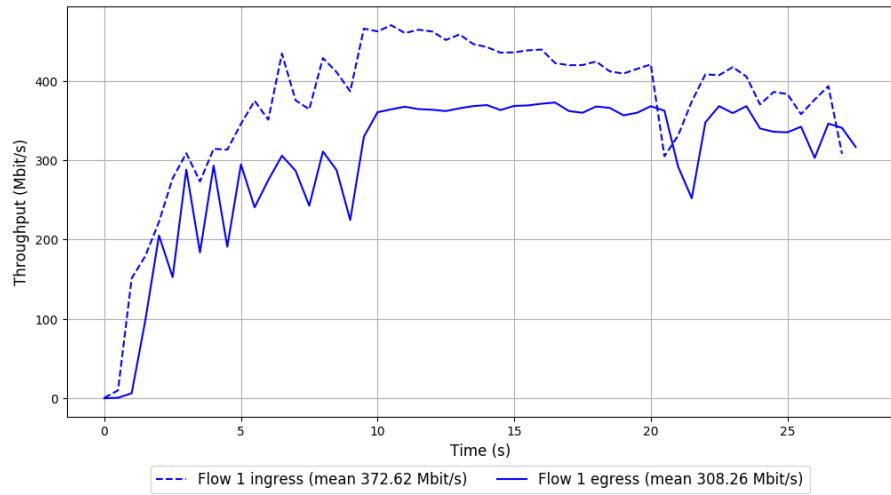


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-03-18 19:37:42
End at: 2019-03-18 19:38:12
Local clock offset: 0.182 ms
Remote clock offset: -35.825 ms

# Below is generated by plot.py at 2019-03-18 22:21:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 308.26 Mbit/s
95th percentile per-packet one-way delay: 126.828 ms
Loss rate: 17.27%
-- Flow 1:
Average throughput: 308.26 Mbit/s
95th percentile per-packet one-way delay: 126.828 ms
Loss rate: 17.27%
```

## Run 1: Report of Indigo-MusesC3 — Data Link

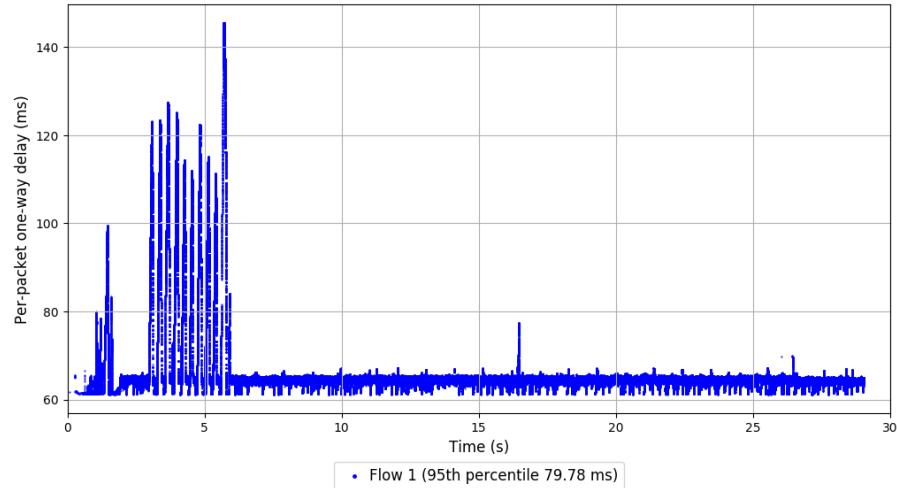
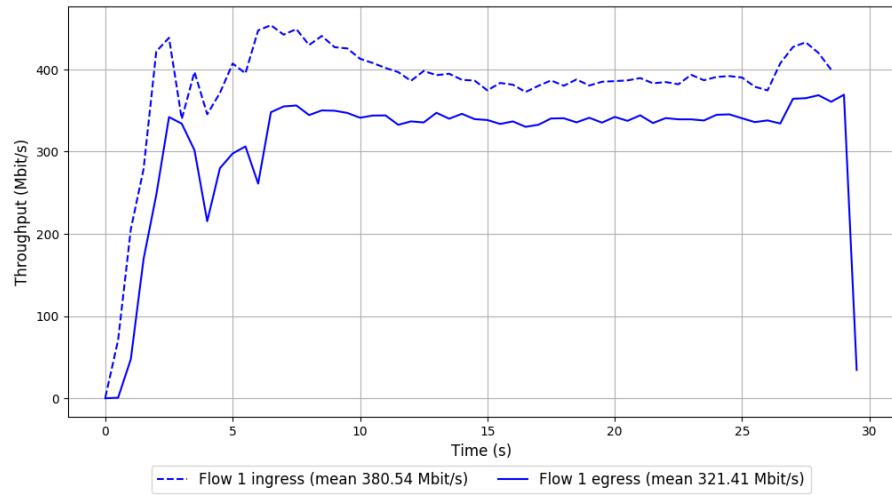


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-03-18 20:10:58
End at: 2019-03-18 20:11:28
Local clock offset: -0.877 ms
Remote clock offset: -37.668 ms

# Below is generated by plot.py at 2019-03-18 22:21:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 321.41 Mbit/s
95th percentile per-packet one-way delay: 79.777 ms
Loss rate: 15.53%
-- Flow 1:
Average throughput: 321.41 Mbit/s
95th percentile per-packet one-way delay: 79.777 ms
Loss rate: 15.53%
```

## Run 2: Report of Indigo-MusesC3 — Data Link

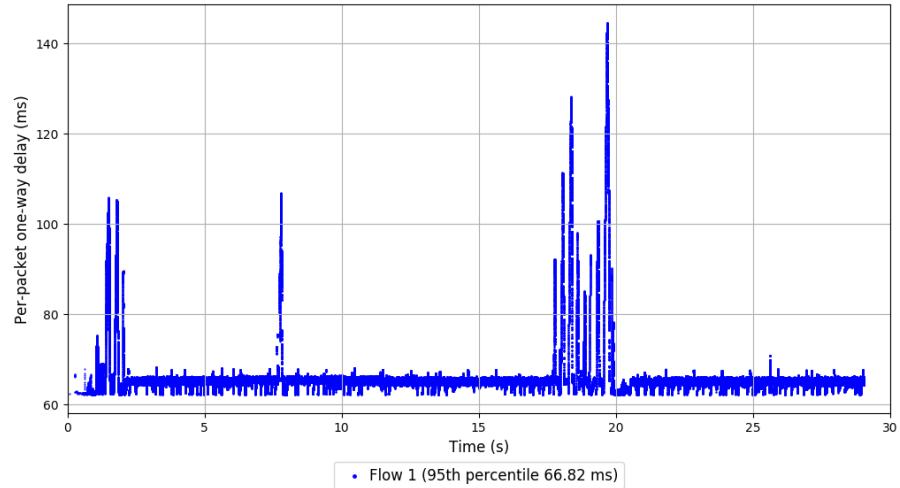
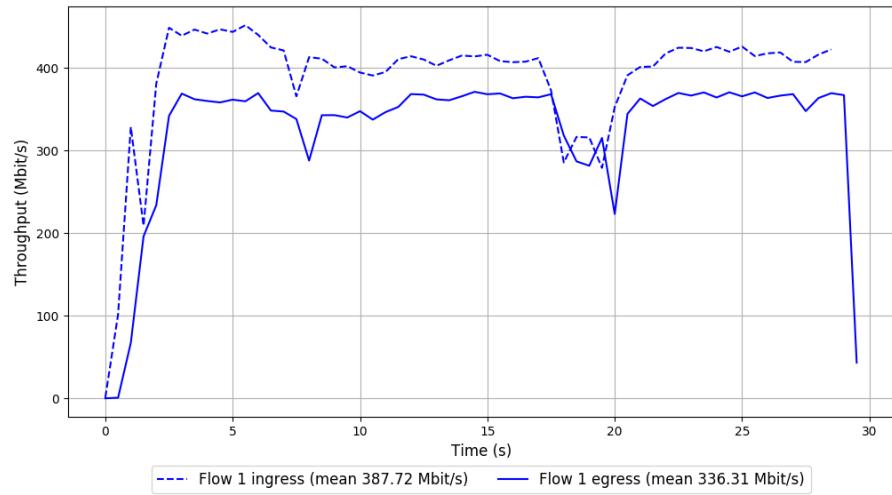


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-03-18 20:43:58
End at: 2019-03-18 20:44:28
Local clock offset: 0.971 ms
Remote clock offset: -36.9 ms

# Below is generated by plot.py at 2019-03-18 22:21:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 336.31 Mbit/s
95th percentile per-packet one-way delay: 66.819 ms
Loss rate: 13.25%
-- Flow 1:
Average throughput: 336.31 Mbit/s
95th percentile per-packet one-way delay: 66.819 ms
Loss rate: 13.25%
```

### Run 3: Report of Indigo-MusesC3 — Data Link

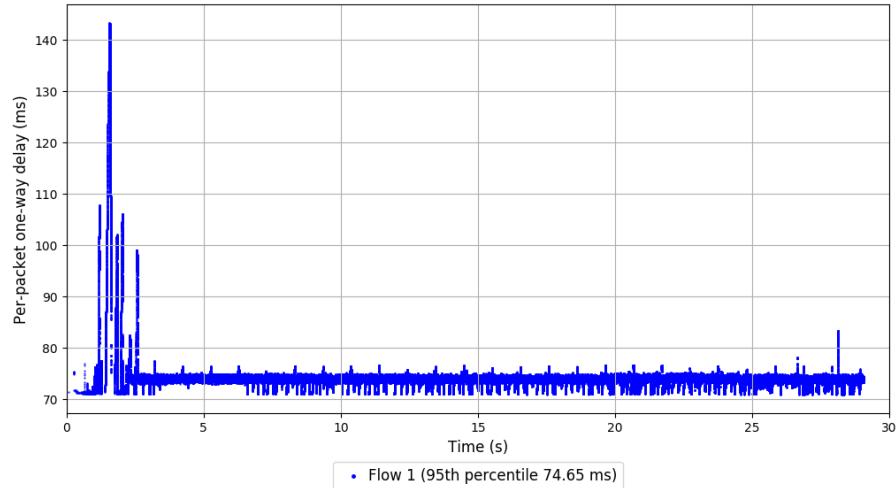
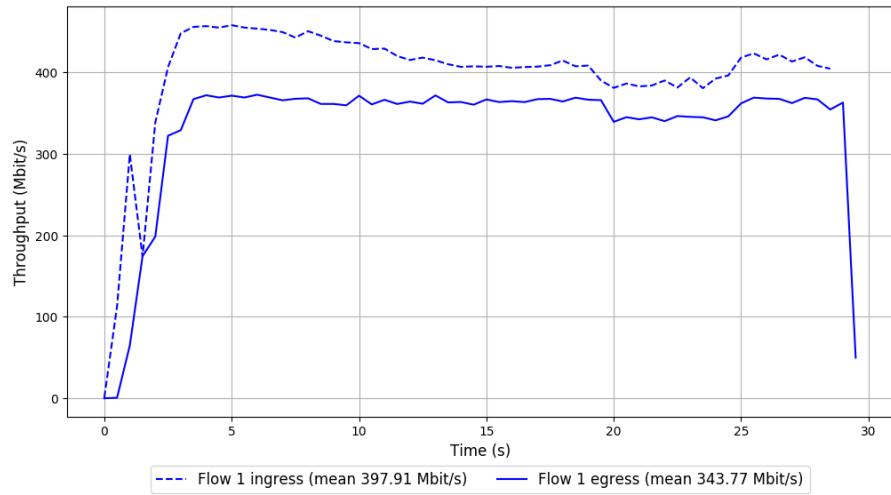


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-03-18 21:17:00
End at: 2019-03-18 21:17:30
Local clock offset: 0.398 ms
Remote clock offset: -26.04 ms

# Below is generated by plot.py at 2019-03-18 22:21:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 343.77 Mbit/s
95th percentile per-packet one-way delay: 74.653 ms
Loss rate: 13.60%
-- Flow 1:
Average throughput: 343.77 Mbit/s
95th percentile per-packet one-way delay: 74.653 ms
Loss rate: 13.60%
```

## Run 4: Report of Indigo-MusesC3 — Data Link

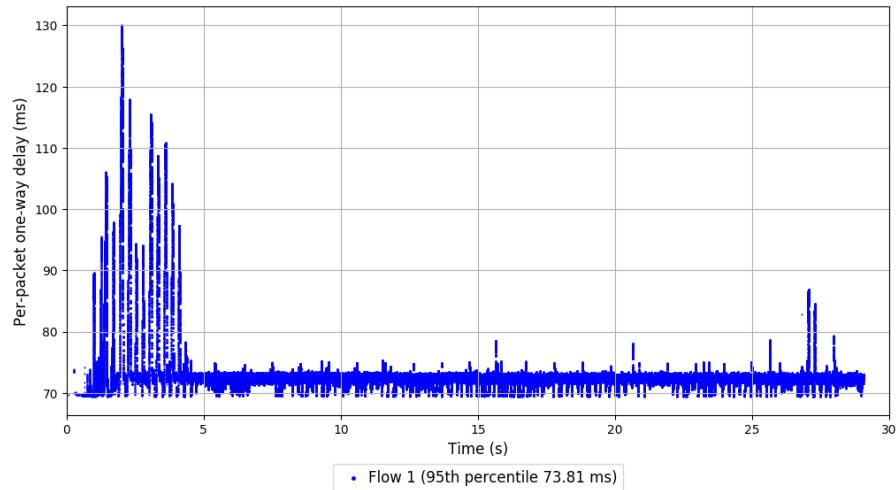
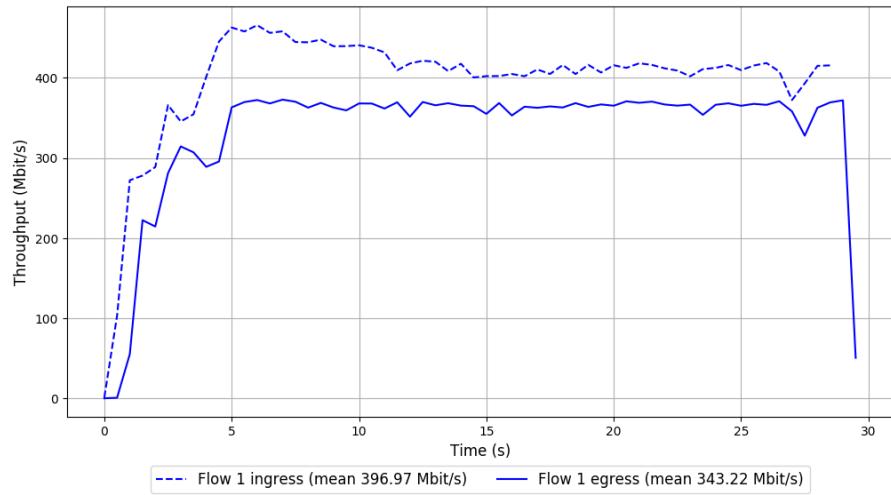


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-03-18 21:44:29
End at: 2019-03-18 21:44:59
Local clock offset: -0.031 ms
Remote clock offset: -23.077 ms

# Below is generated by plot.py at 2019-03-18 22:21:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 343.22 Mbit/s
95th percentile per-packet one-way delay: 73.813 ms
Loss rate: 13.53%
-- Flow 1:
Average throughput: 343.22 Mbit/s
95th percentile per-packet one-way delay: 73.813 ms
Loss rate: 13.53%
```

## Run 5: Report of Indigo-MusesC3 — Data Link

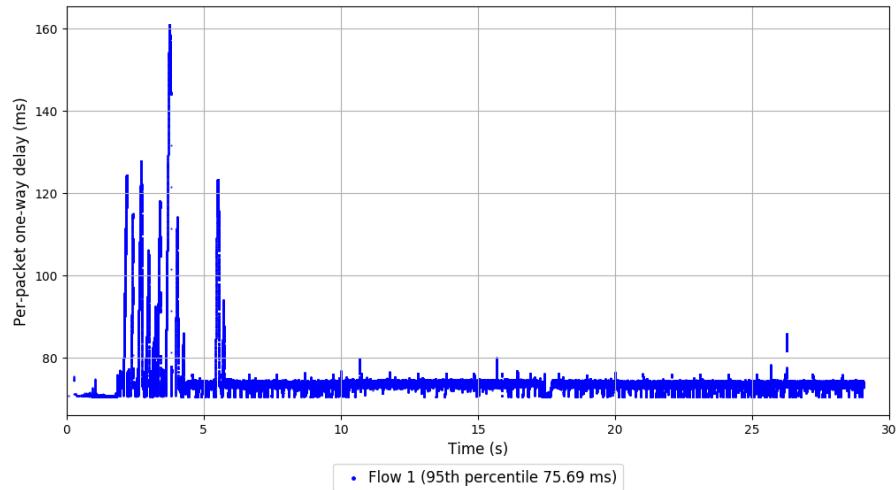
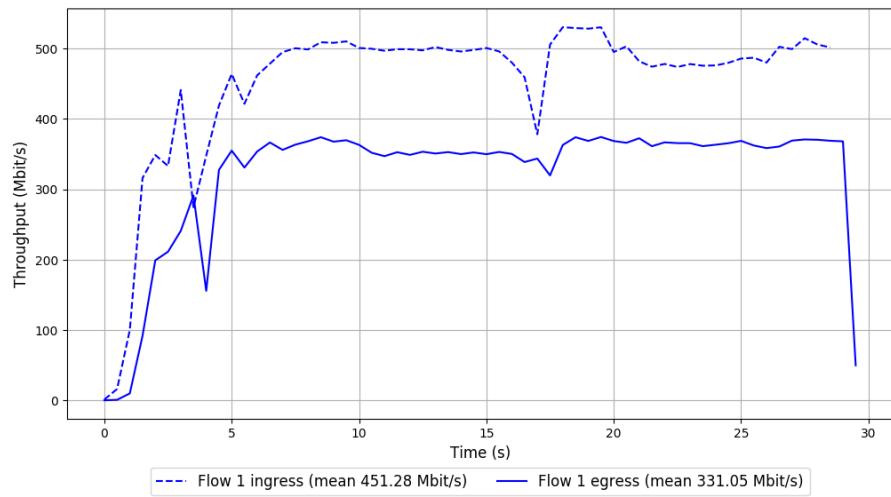


```
Run 1: Statistics of Indigo-MusesC5
```

```
Start at: 2019-03-18 19:58:12
End at: 2019-03-18 19:58:42
Local clock offset: -1.644 ms
Remote clock offset: -29.361 ms

# Below is generated by plot.py at 2019-03-18 22:22:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 331.05 Mbit/s
95th percentile per-packet one-way delay: 75.690 ms
Loss rate: 26.64%
-- Flow 1:
Average throughput: 331.05 Mbit/s
95th percentile per-packet one-way delay: 75.690 ms
Loss rate: 26.64%
```

Run 1: Report of Indigo-MusesC5 — Data Link

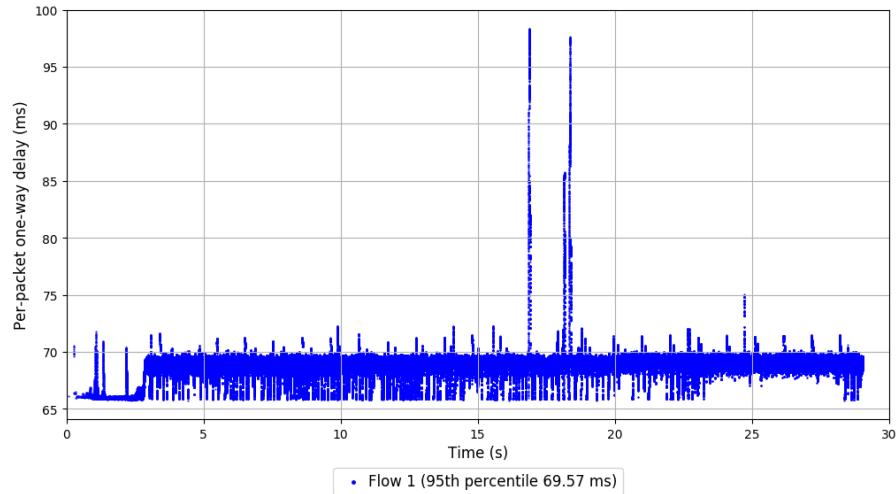
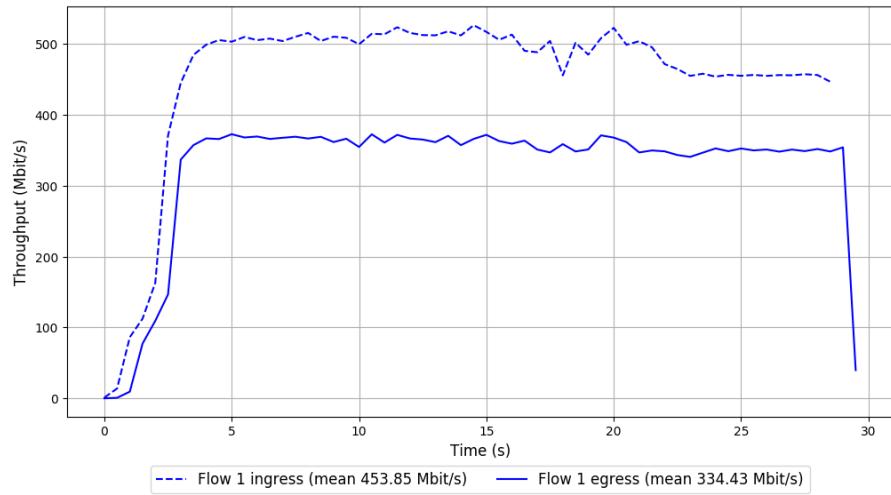


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-03-18 20:31:09
End at: 2019-03-18 20:31:39
Local clock offset: 0.051 ms
Remote clock offset: -32.56 ms

# Below is generated by plot.py at 2019-03-18 22:25:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 334.43 Mbit/s
95th percentile per-packet one-way delay: 69.568 ms
Loss rate: 26.30%
-- Flow 1:
Average throughput: 334.43 Mbit/s
95th percentile per-packet one-way delay: 69.568 ms
Loss rate: 26.30%
```

## Run 2: Report of Indigo-MusesC5 — Data Link

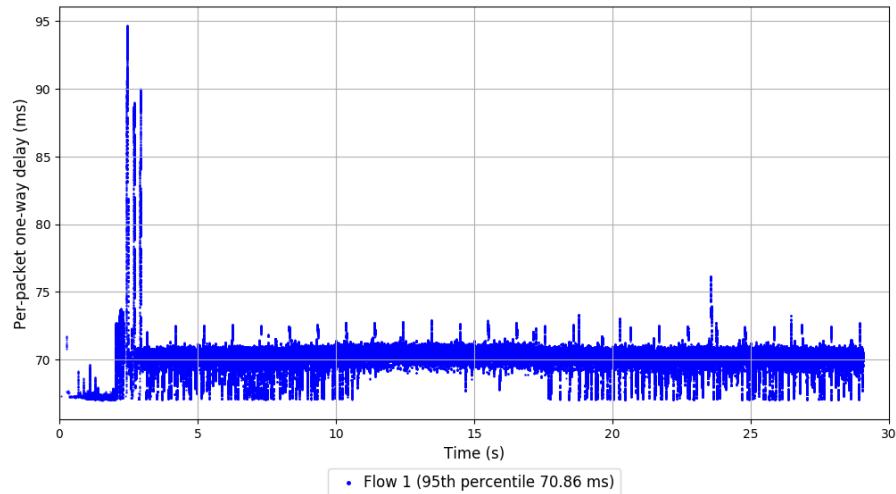
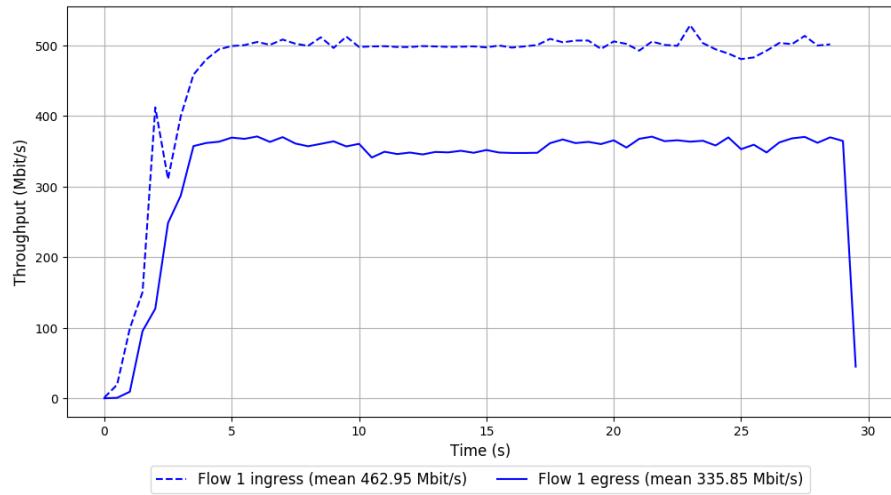


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-03-18 21:04:13
End at: 2019-03-18 21:04:43
Local clock offset: 0.668 ms
Remote clock offset: -30.533 ms

# Below is generated by plot.py at 2019-03-18 22:25:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 335.85 Mbit/s
95th percentile per-packet one-way delay: 70.856 ms
Loss rate: 27.45%
-- Flow 1:
Average throughput: 335.85 Mbit/s
95th percentile per-packet one-way delay: 70.856 ms
Loss rate: 27.45%
```

### Run 3: Report of Indigo-MusesC5 — Data Link

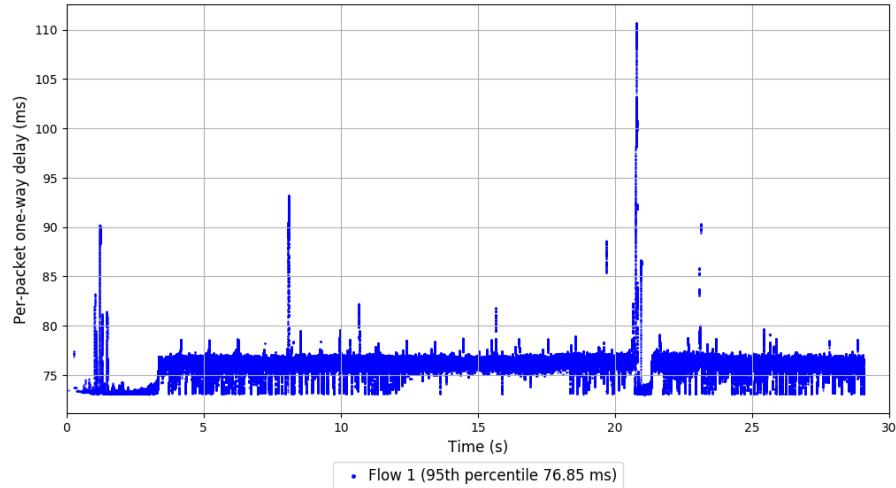
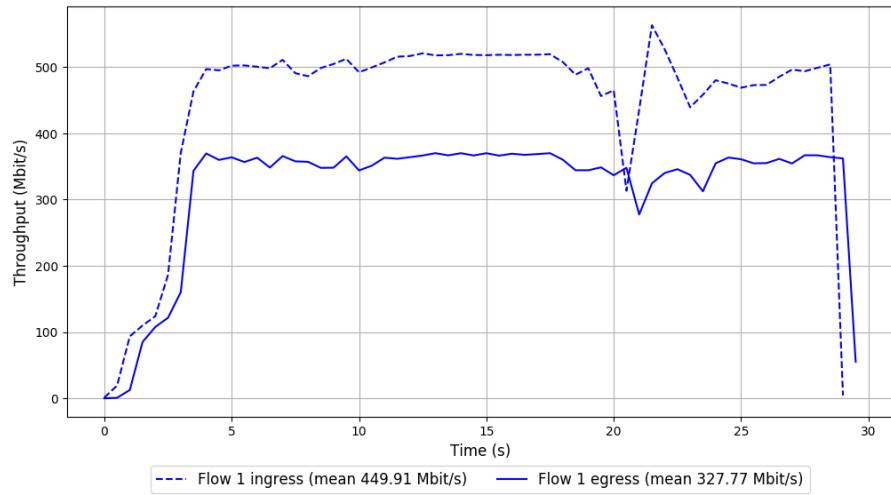


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-03-18 21:31:41
End at: 2019-03-18 21:32:11
Local clock offset: -0.784 ms
Remote clock offset: -23.257 ms

# Below is generated by plot.py at 2019-03-18 22:25:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 327.77 Mbit/s
95th percentile per-packet one-way delay: 76.852 ms
Loss rate: 27.15%
-- Flow 1:
Average throughput: 327.77 Mbit/s
95th percentile per-packet one-way delay: 76.852 ms
Loss rate: 27.15%
```

## Run 4: Report of Indigo-MusesC5 — Data Link

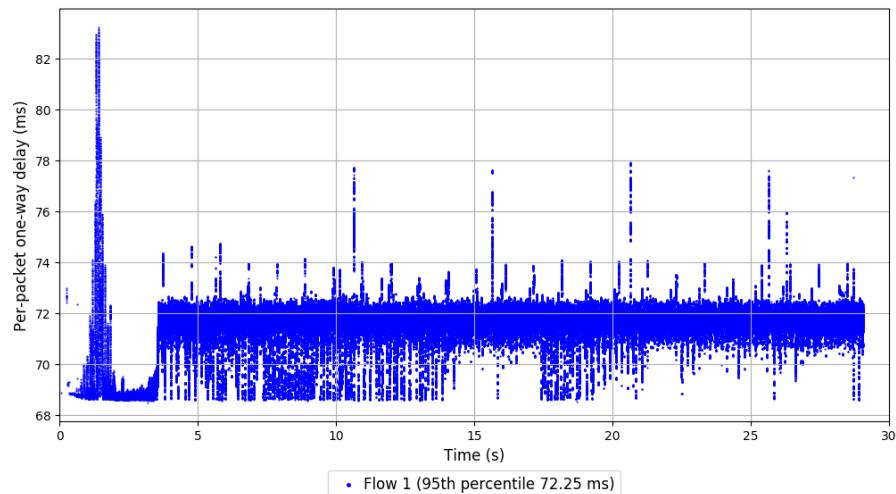
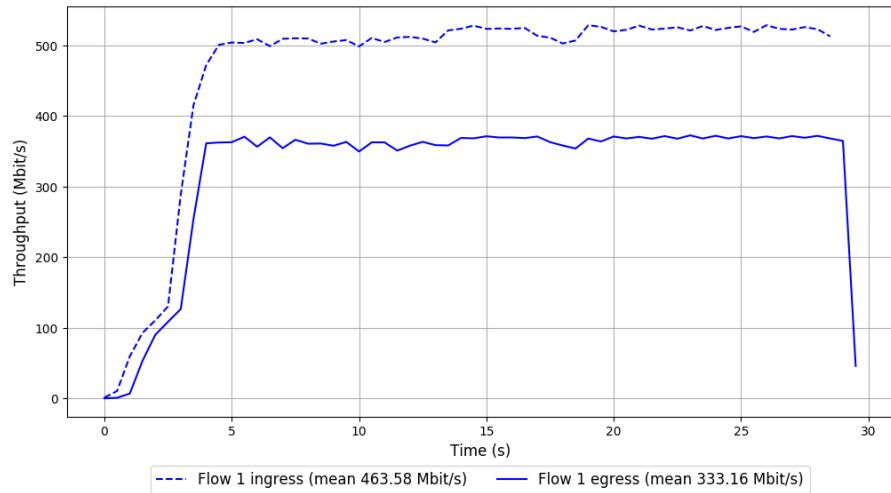


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-03-18 21:59:06
End at: 2019-03-18 21:59:36
Local clock offset: -0.44 ms
Remote clock offset: -24.822 ms

# Below is generated by plot.py at 2019-03-18 22:25:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 333.16 Mbit/s
95th percentile per-packet one-way delay: 72.251 ms
Loss rate: 28.13%
-- Flow 1:
Average throughput: 333.16 Mbit/s
95th percentile per-packet one-way delay: 72.251 ms
Loss rate: 28.13%
```

## Run 5: Report of Indigo-MusesC5 — Data Link

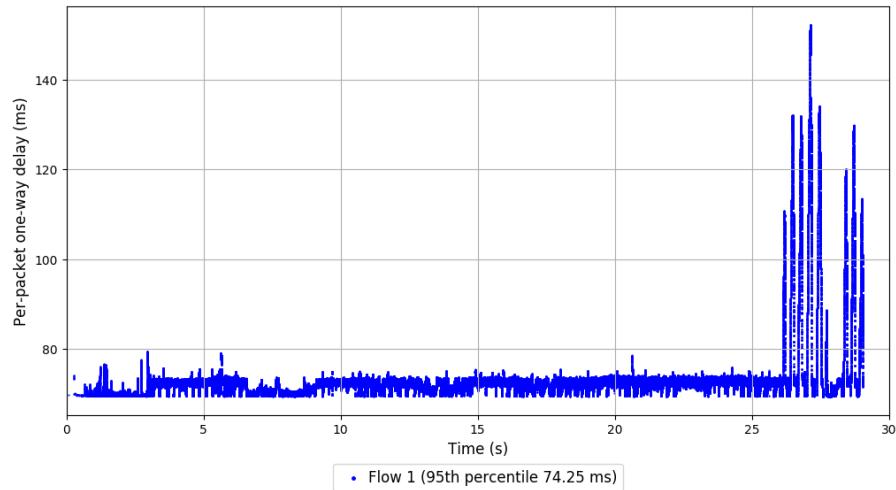
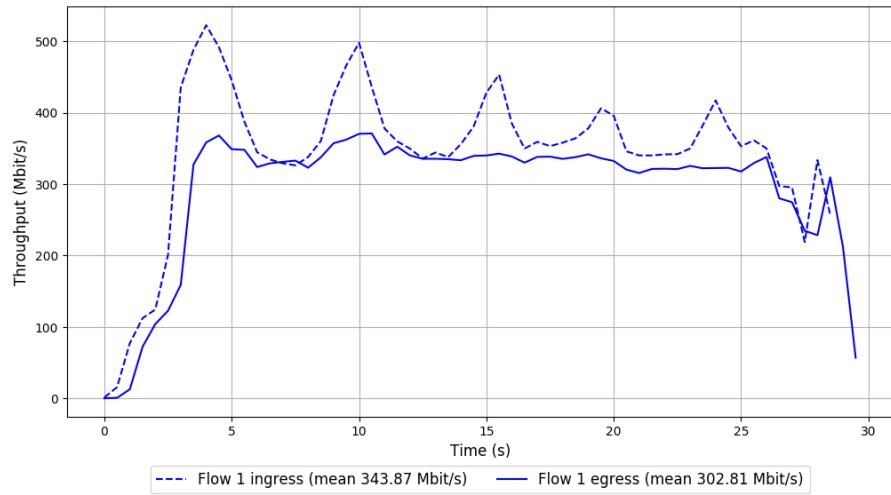


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-03-18 19:48:45
End at: 2019-03-18 19:49:15
Local clock offset: -0.223 ms
Remote clock offset: -29.586 ms

# Below is generated by plot.py at 2019-03-18 22:25:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 302.81 Mbit/s
95th percentile per-packet one-way delay: 74.251 ms
Loss rate: 11.93%
-- Flow 1:
Average throughput: 302.81 Mbit/s
95th percentile per-packet one-way delay: 74.251 ms
Loss rate: 11.93%
```

## Run 1: Report of Indigo-MusesD — Data Link

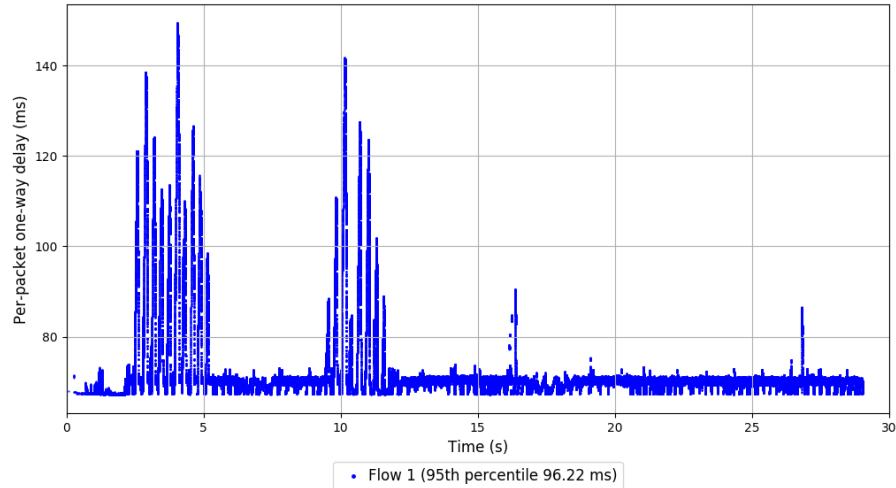
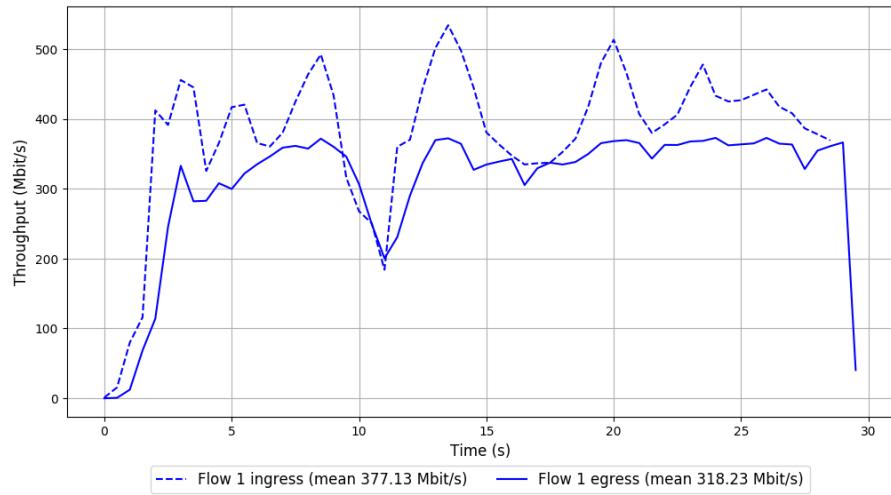


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-03-18 20:21:51
End at: 2019-03-18 20:22:21
Local clock offset: -0.469 ms
Remote clock offset: -34.424 ms

# Below is generated by plot.py at 2019-03-18 22:25:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 318.23 Mbit/s
95th percentile per-packet one-way delay: 96.218 ms
Loss rate: 15.62%
-- Flow 1:
Average throughput: 318.23 Mbit/s
95th percentile per-packet one-way delay: 96.218 ms
Loss rate: 15.62%
```

## Run 2: Report of Indigo-MusesD — Data Link

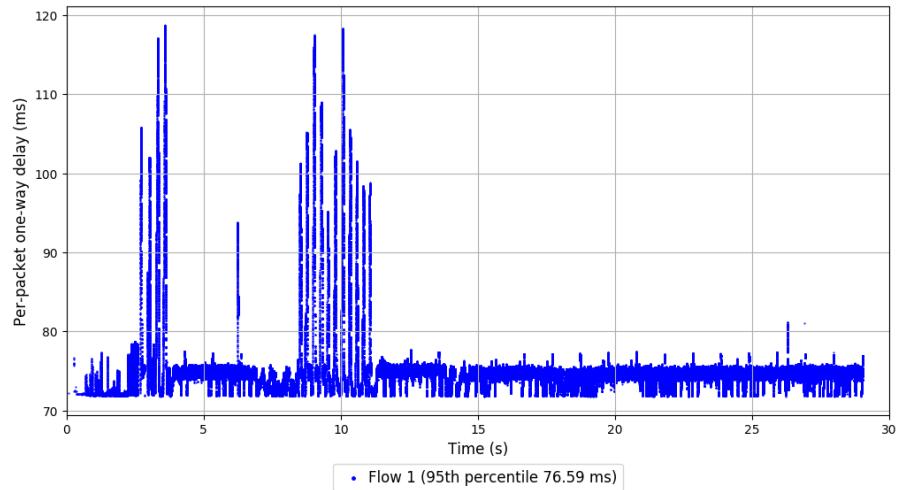
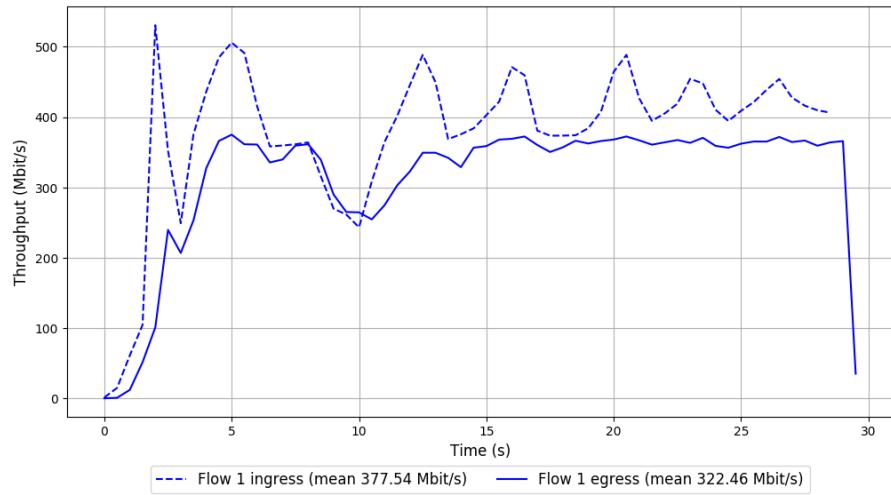


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-03-18 20:49:14
End at: 2019-03-18 20:49:44
Local clock offset: 0.444 ms
Remote clock offset: -24.744 ms

# Below is generated by plot.py at 2019-03-18 22:25:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 322.46 Mbit/s
95th percentile per-packet one-way delay: 76.589 ms
Loss rate: 14.58%
-- Flow 1:
Average throughput: 322.46 Mbit/s
95th percentile per-packet one-way delay: 76.589 ms
Loss rate: 14.58%
```

### Run 3: Report of Indigo-MusesD — Data Link

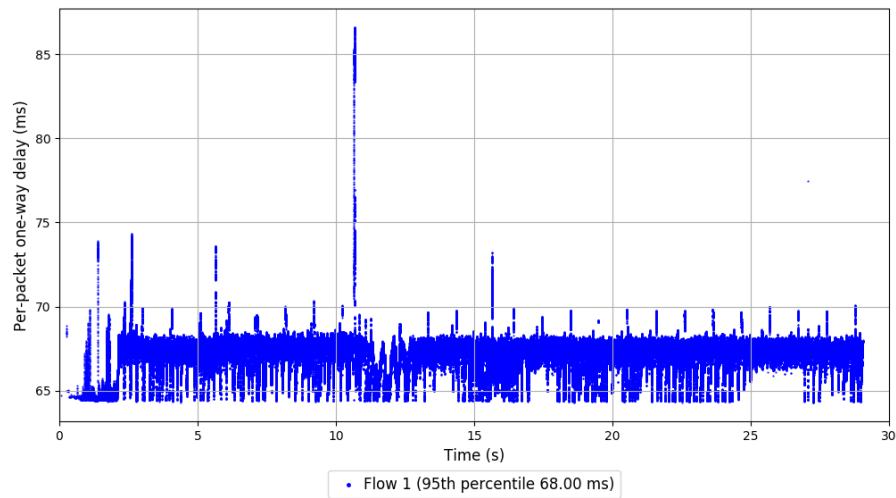
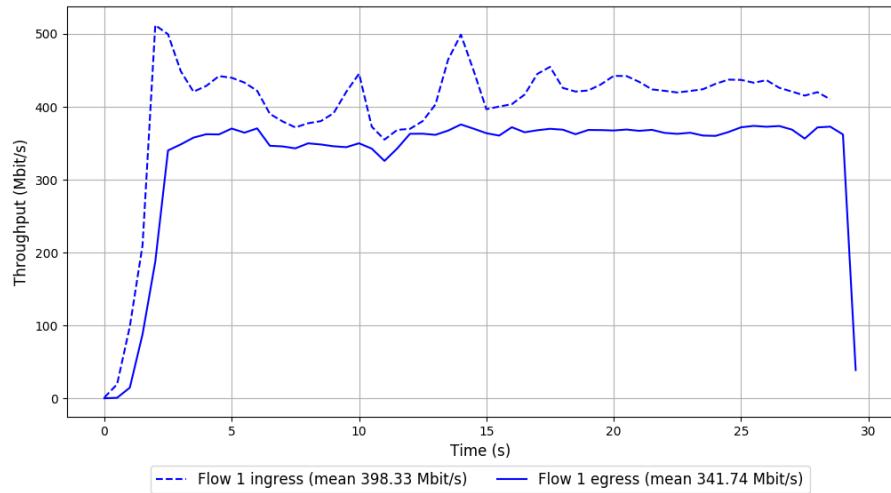


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-03-18 21:22:19
End at: 2019-03-18 21:22:49
Local clock offset: -0.68 ms
Remote clock offset: -30.337 ms

# Below is generated by plot.py at 2019-03-18 22:26:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 341.74 Mbit/s
95th percentile per-packet one-way delay: 68.000 ms
Loss rate: 14.20%
-- Flow 1:
Average throughput: 341.74 Mbit/s
95th percentile per-packet one-way delay: 68.000 ms
Loss rate: 14.20%
```

## Run 4: Report of Indigo-MusesD — Data Link

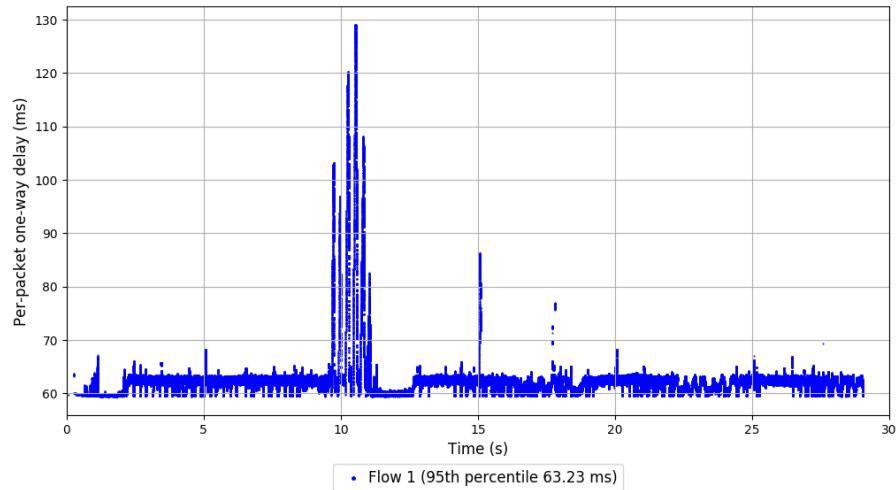
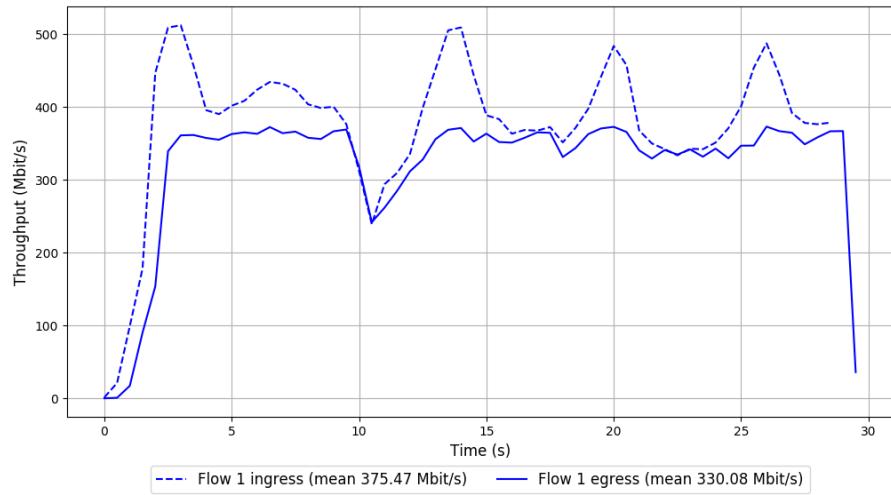


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-03-18 21:49:45
End at: 2019-03-18 21:50:15
Local clock offset: -0.48 ms
Remote clock offset: -33.706 ms

# Below is generated by plot.py at 2019-03-18 22:28:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 330.08 Mbit/s
95th percentile per-packet one-way delay: 63.235 ms
Loss rate: 12.08%
-- Flow 1:
Average throughput: 330.08 Mbit/s
95th percentile per-packet one-way delay: 63.235 ms
Loss rate: 12.08%
```

## Run 5: Report of Indigo-MusesD — Data Link

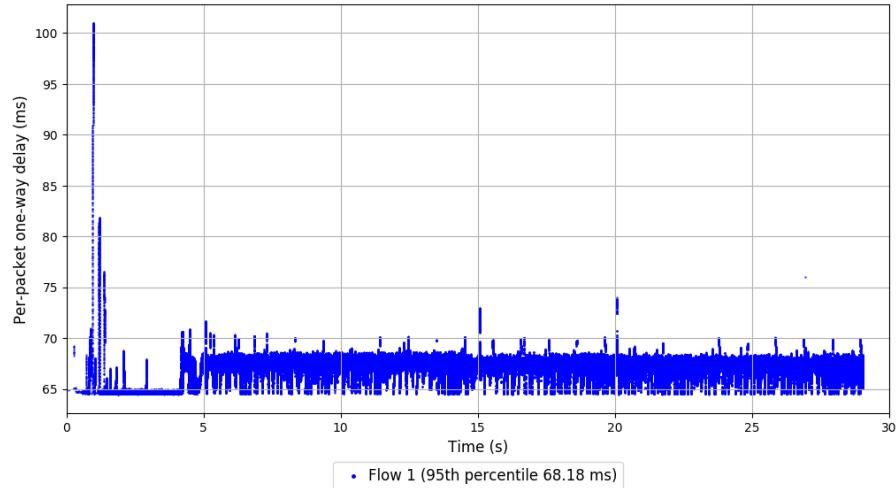
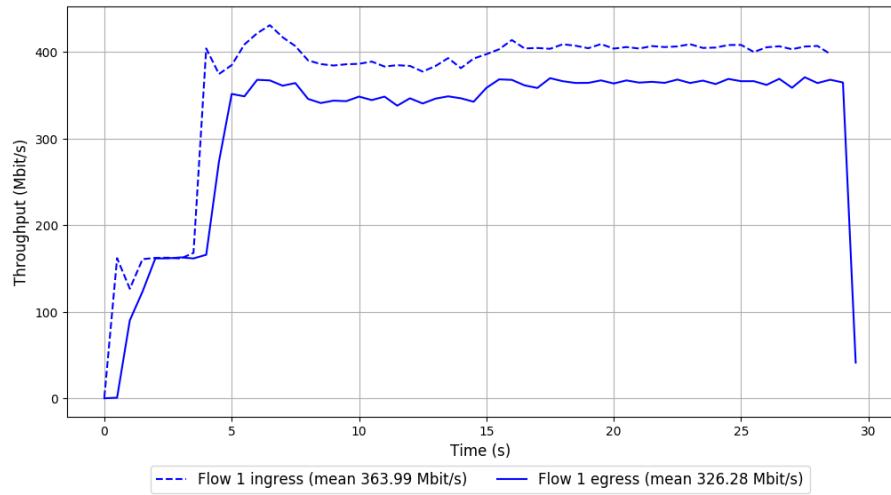


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-03-18 19:52:38
End at: 2019-03-18 19:53:08
Local clock offset: 0.53 ms
Remote clock offset: -33.281 ms

# Below is generated by plot.py at 2019-03-18 22:28:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 326.28 Mbit/s
95th percentile per-packet one-way delay: 68.179 ms
Loss rate: 10.35%
-- Flow 1:
Average throughput: 326.28 Mbit/s
95th percentile per-packet one-way delay: 68.179 ms
Loss rate: 10.35%
```

## Run 1: Report of Indigo-MusesT — Data Link

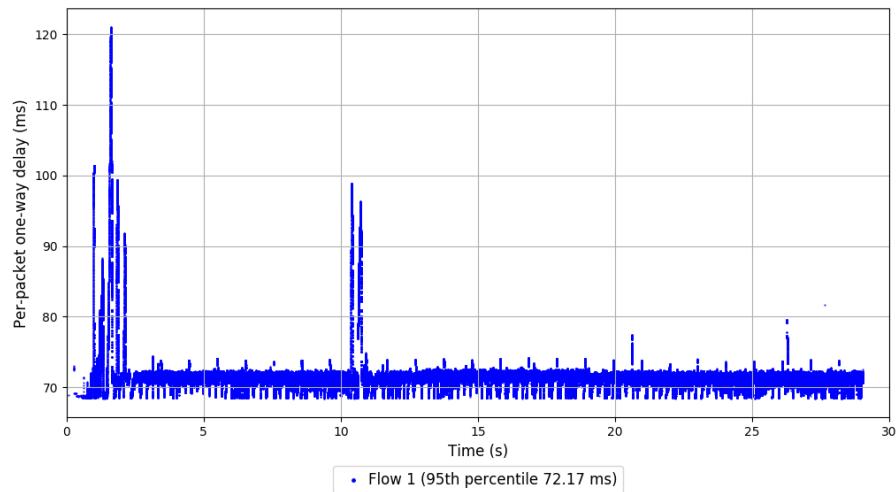
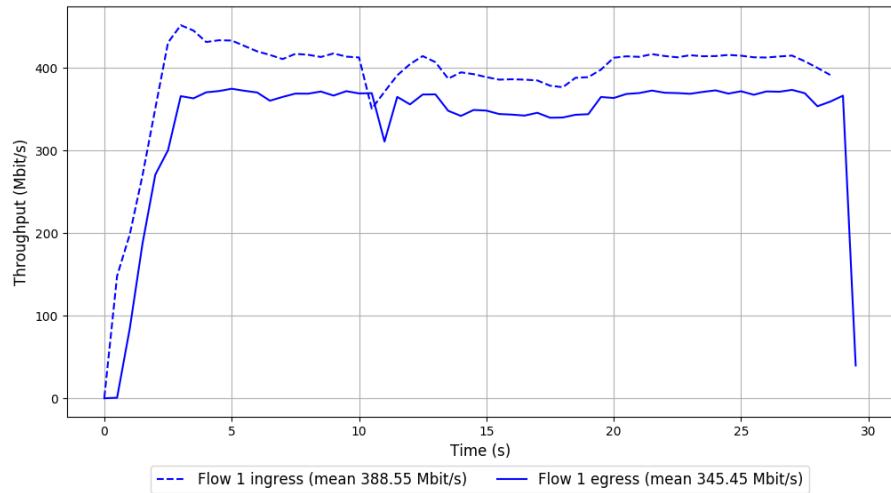


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-03-18 20:25:36
End at: 2019-03-18 20:26:06
Local clock offset: 2.624 ms
Remote clock offset: -30.08 ms

# Below is generated by plot.py at 2019-03-18 22:29:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 345.45 Mbit/s
95th percentile per-packet one-way delay: 72.172 ms
Loss rate: 11.08%
-- Flow 1:
Average throughput: 345.45 Mbit/s
95th percentile per-packet one-way delay: 72.172 ms
Loss rate: 11.08%
```

## Run 2: Report of Indigo-MusesT — Data Link

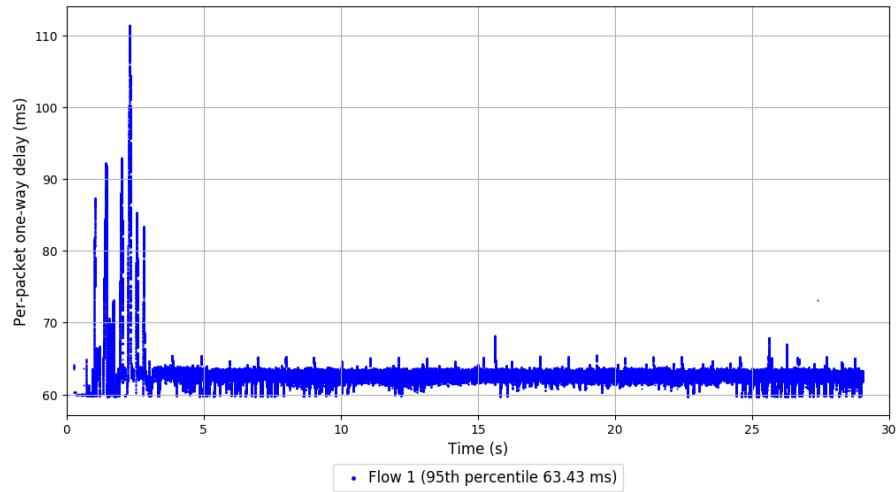
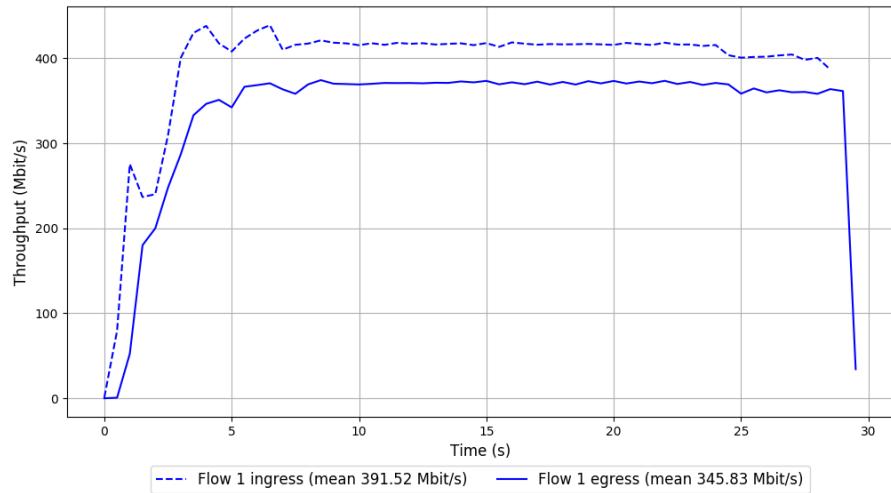


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-03-18 20:52:59
End at: 2019-03-18 20:53:29
Local clock offset: 2.018 ms
Remote clock offset: -34.712 ms

# Below is generated by plot.py at 2019-03-18 22:29:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 345.83 Mbit/s
95th percentile per-packet one-way delay: 63.429 ms
Loss rate: 11.66%
-- Flow 1:
Average throughput: 345.83 Mbit/s
95th percentile per-packet one-way delay: 63.429 ms
Loss rate: 11.66%
```

### Run 3: Report of Indigo-MusesT — Data Link

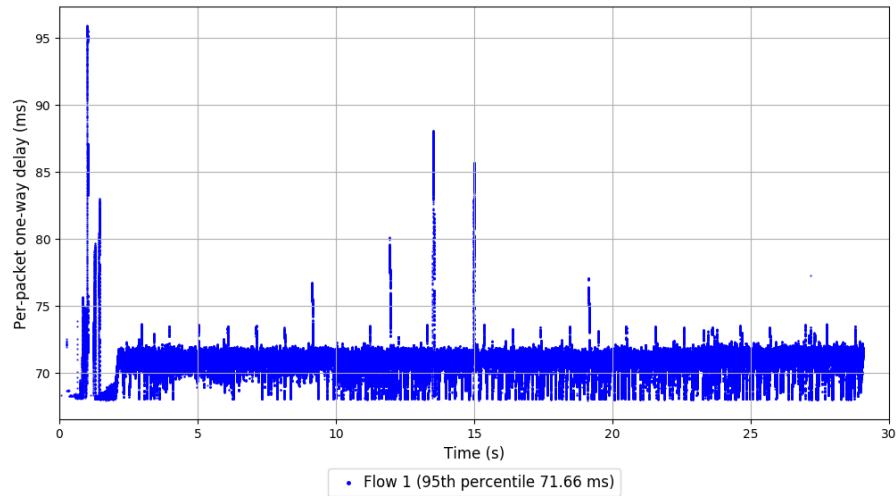
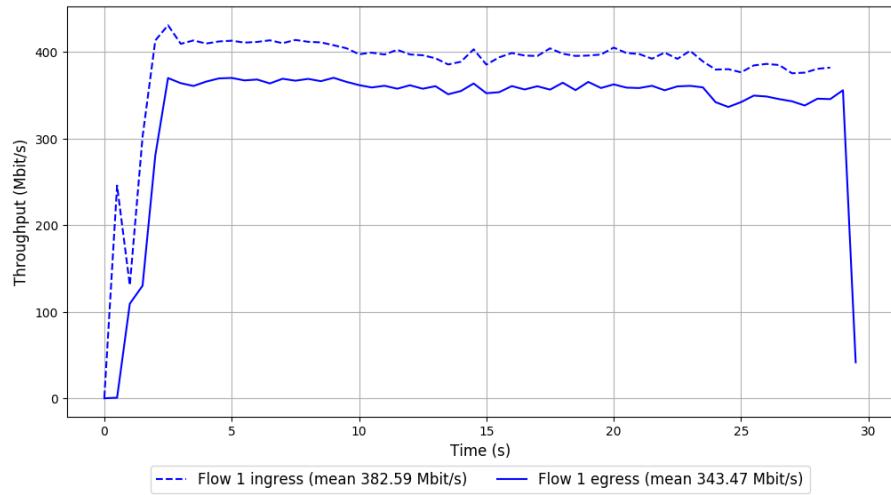


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-03-18 21:26:05
End at: 2019-03-18 21:26:35
Local clock offset: 0.464 ms
Remote clock offset: -27.627 ms

# Below is generated by plot.py at 2019-03-18 22:29:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 343.47 Mbit/s
95th percentile per-packet one-way delay: 71.664 ms
Loss rate: 10.22%
-- Flow 1:
Average throughput: 343.47 Mbit/s
95th percentile per-packet one-way delay: 71.664 ms
Loss rate: 10.22%
```

## Run 4: Report of Indigo-MusesT — Data Link

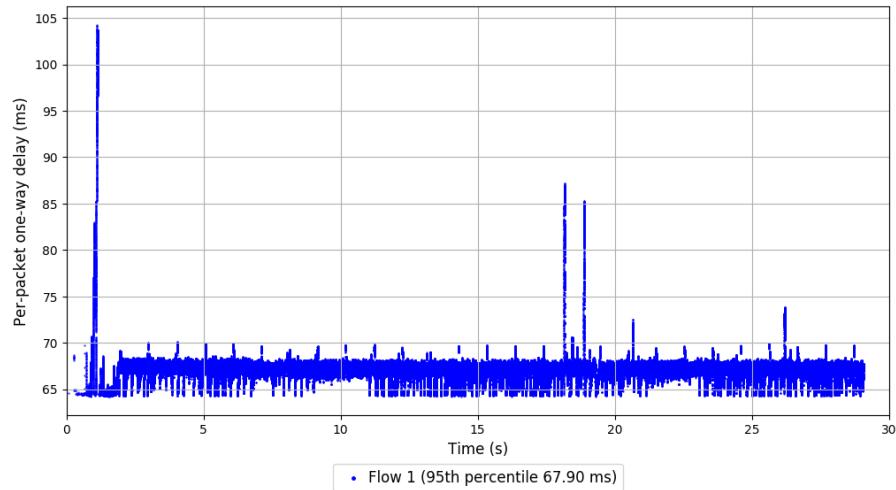
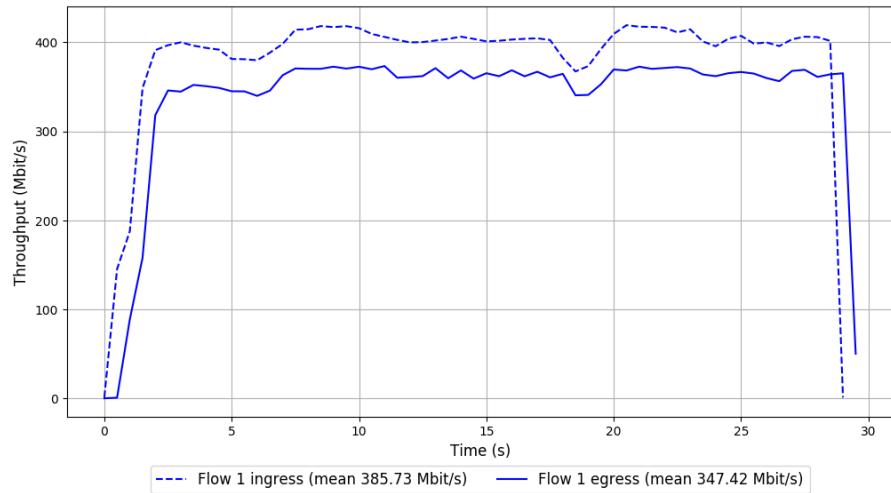


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-03-18 21:53:31
End at: 2019-03-18 21:54:01
Local clock offset: 0.048 ms
Remote clock offset: -28.485 ms

# Below is generated by plot.py at 2019-03-18 22:29:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 347.42 Mbit/s
95th percentile per-packet one-way delay: 67.900 ms
Loss rate: 9.92%
-- Flow 1:
Average throughput: 347.42 Mbit/s
95th percentile per-packet one-way delay: 67.900 ms
Loss rate: 9.92%
```

## Run 5: Report of Indigo-MusesT — Data Link

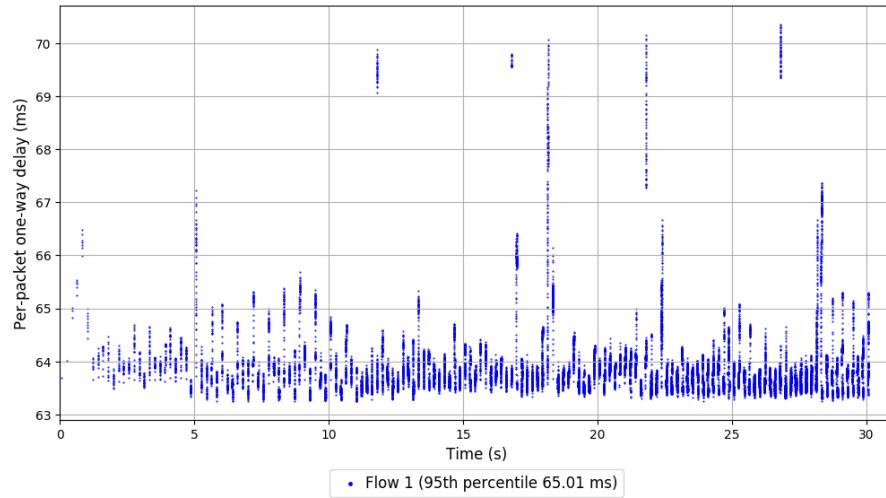
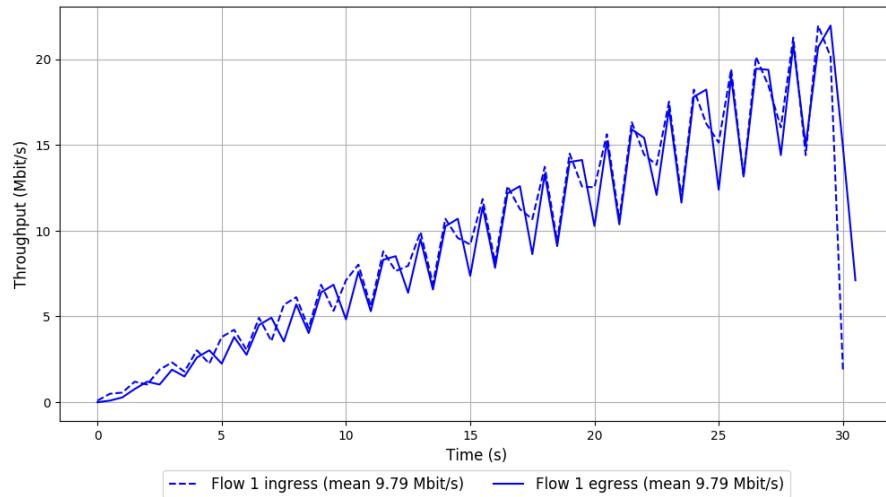


```
Run 1: Statistics of LEDBAT

Start at: 2019-03-18 20:02:07
End at: 2019-03-18 20:02:38
Local clock offset: 0.221 ms
Remote clock offset: -34.526 ms

# Below is generated by plot.py at 2019-03-18 22:29:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.79 Mbit/s
95th percentile per-packet one-way delay: 65.010 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.79 Mbit/s
95th percentile per-packet one-way delay: 65.010 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

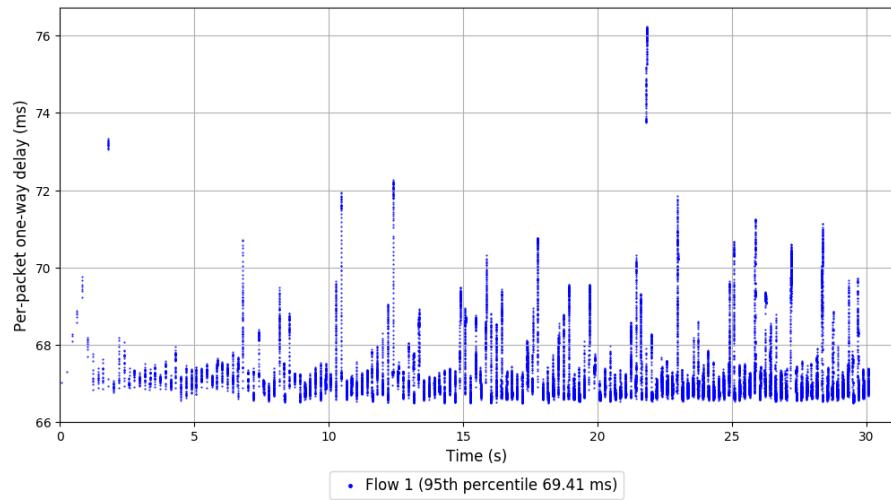
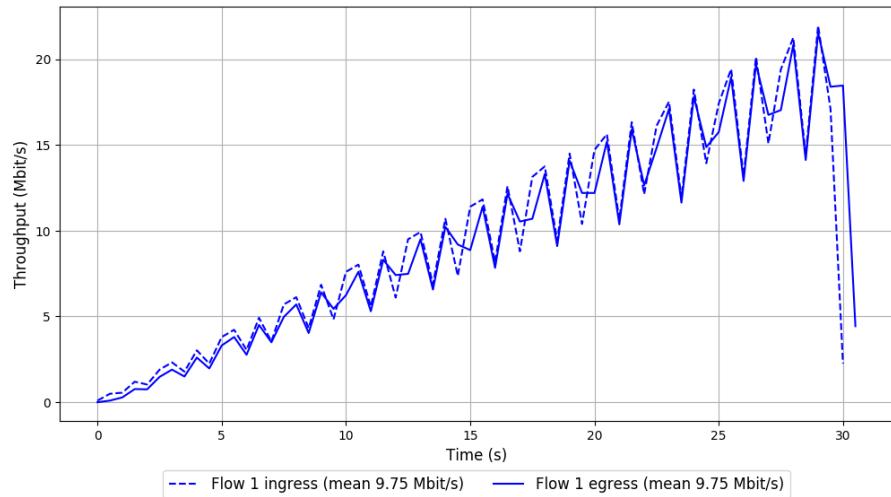


Run 2: Statistics of LEDBAT

```
Start at: 2019-03-18 20:35:03
End at: 2019-03-18 20:35:33
Local clock offset: 2.215 ms
Remote clock offset: -29.051 ms

# Below is generated by plot.py at 2019-03-18 22:29:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.75 Mbit/s
95th percentile per-packet one-way delay: 69.405 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.75 Mbit/s
95th percentile per-packet one-way delay: 69.405 ms
Loss rate: 0.00%
```

## Run 2: Report of LEDBAT — Data Link

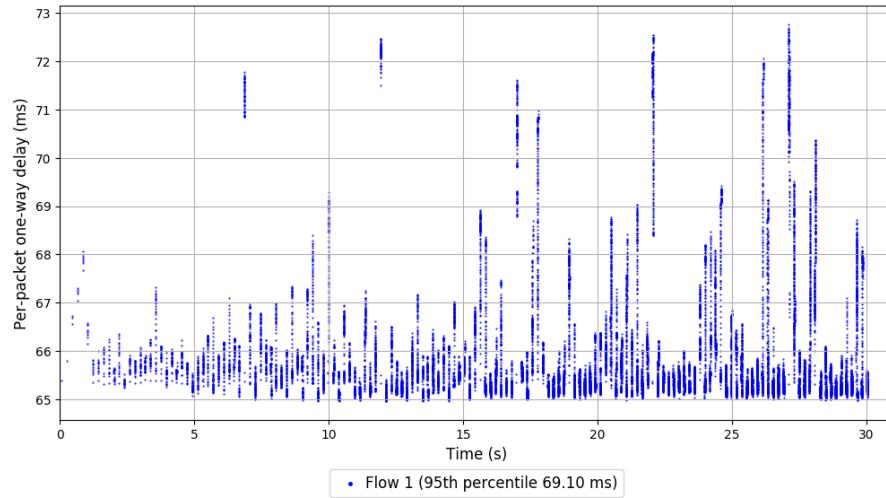
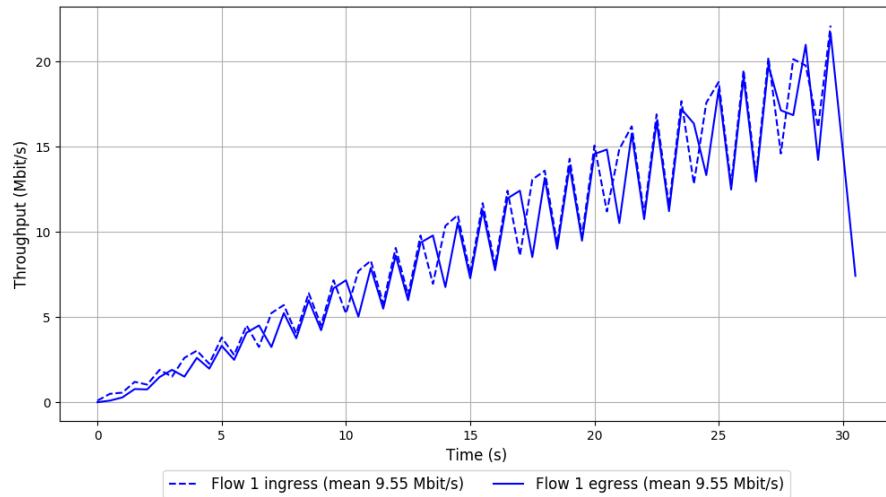


Run 3: Statistics of LEDBAT

```
Start at: 2019-03-18 21:08:05
End at: 2019-03-18 21:08:35
Local clock offset: 0.667 ms
Remote clock offset: -30.055 ms

# Below is generated by plot.py at 2019-03-18 22:29:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.55 Mbit/s
95th percentile per-packet one-way delay: 69.101 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.55 Mbit/s
95th percentile per-packet one-way delay: 69.101 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

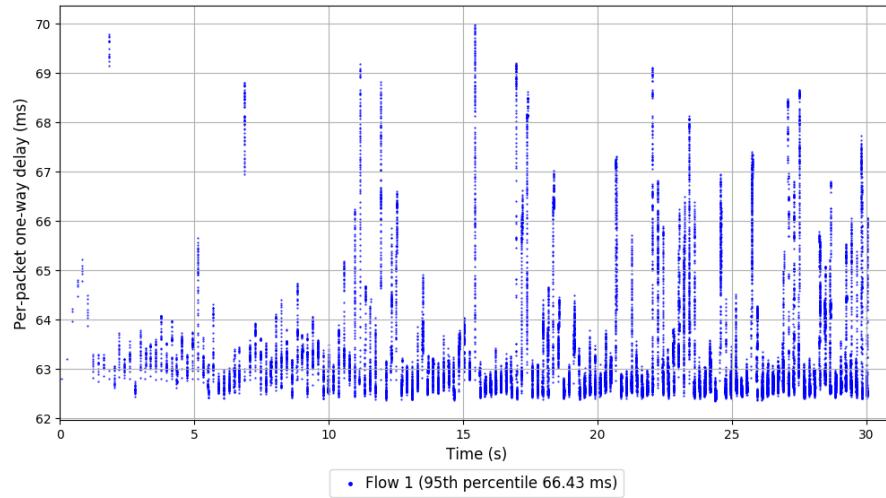
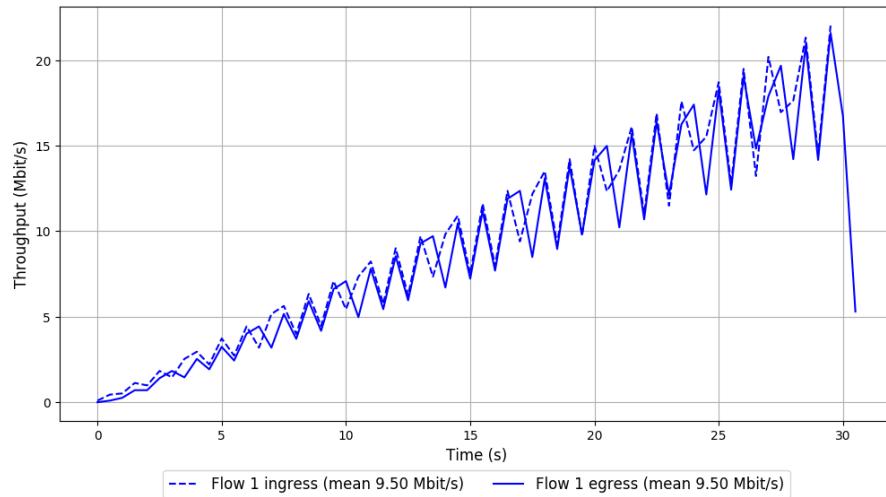


Run 4: Statistics of LEDBAT

```
Start at: 2019-03-18 21:35:37
End at: 2019-03-18 21:36:07
Local clock offset: -0.073 ms
Remote clock offset: -30.458 ms

# Below is generated by plot.py at 2019-03-18 22:29:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 66.432 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.50 Mbit/s
95th percentile per-packet one-way delay: 66.432 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

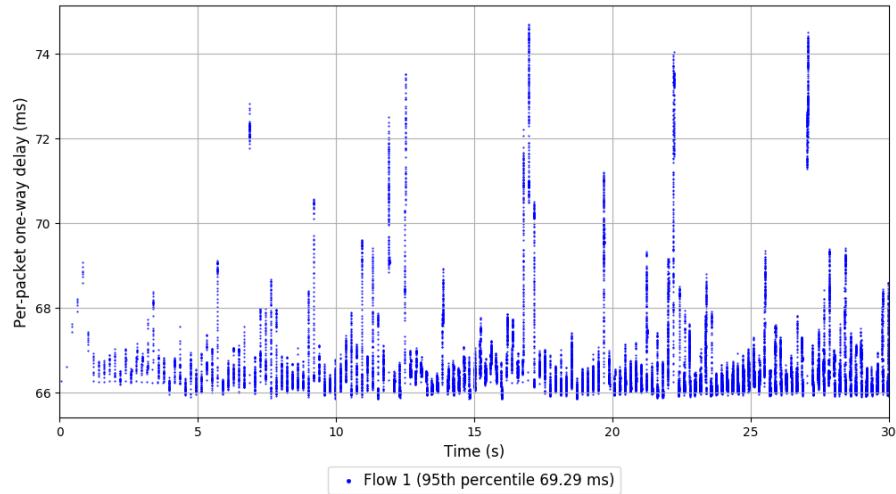
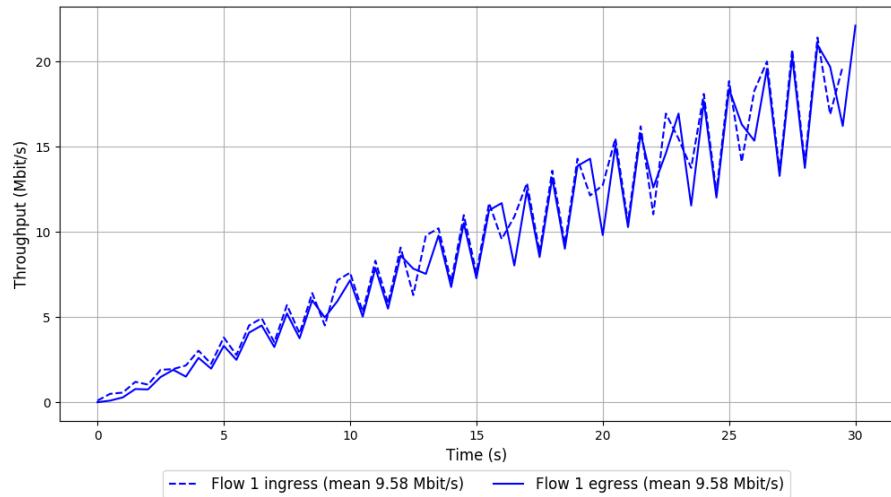


Run 5: Statistics of LEDBAT

```
Start at: 2019-03-18 22:03:04
End at: 2019-03-18 22:03:34
Local clock offset: 0.227 ms
Remote clock offset: -27.098 ms

# Below is generated by plot.py at 2019-03-18 22:29:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 69.288 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.58 Mbit/s
95th percentile per-packet one-way delay: 69.288 ms
Loss rate: 0.00%
```

### Run 5: Report of LEDBAT — Data Link

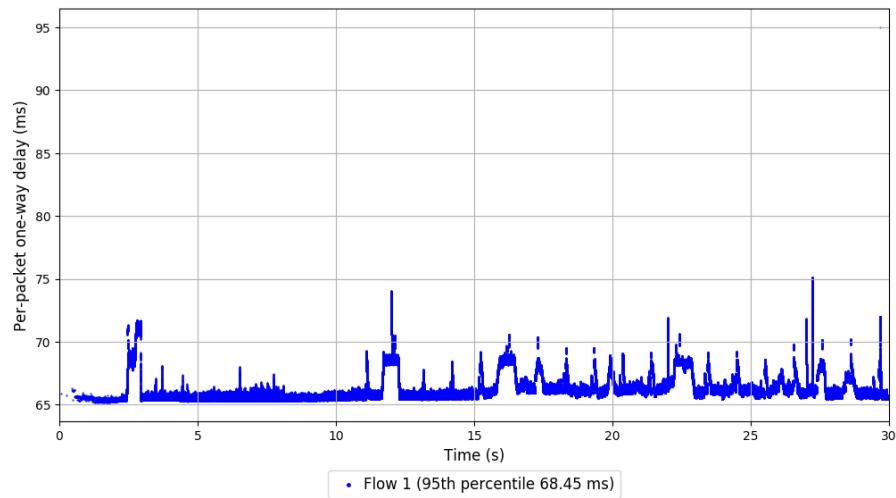
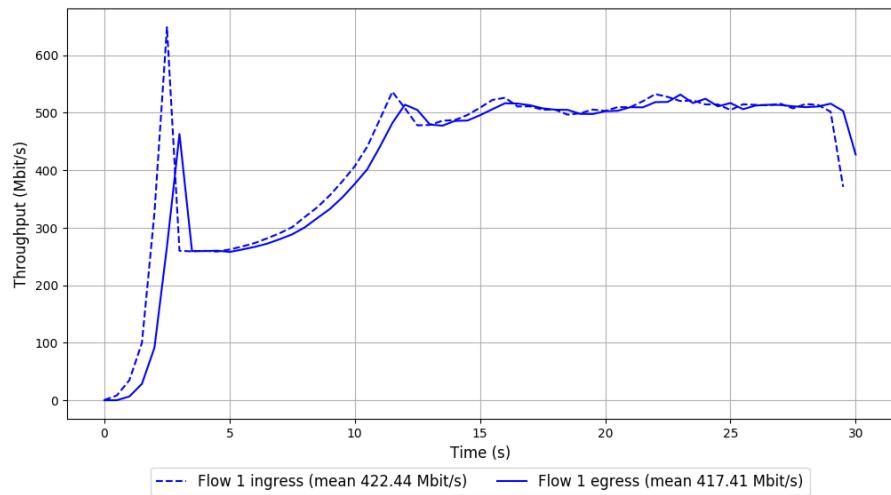


```
Run 1: Statistics of PCC-Allegro

Start at: 2019-03-18 19:56:48
End at: 2019-03-18 19:57:18
Local clock offset: -1.39 ms
Remote clock offset: -34.476 ms

# Below is generated by plot.py at 2019-03-18 22:31:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 417.41 Mbit/s
95th percentile per-packet one-way delay: 68.451 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 417.41 Mbit/s
95th percentile per-packet one-way delay: 68.451 ms
Loss rate: 1.19%
```

Run 1: Report of PCC-Allegro — Data Link

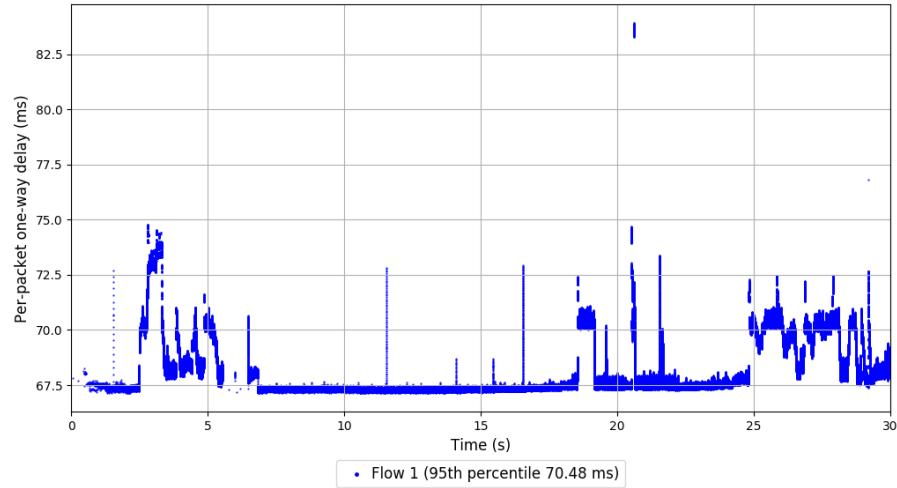
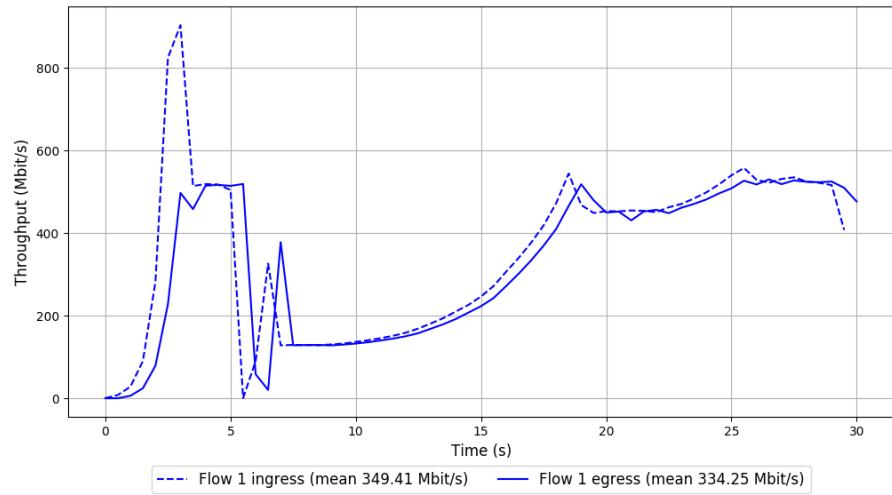


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-03-18 20:29:47
End at: 2019-03-18 20:30:17
Local clock offset: 0.319 ms
Remote clock offset: -32.96 ms

# Below is generated by plot.py at 2019-03-18 22:31:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 334.25 Mbit/s
95th percentile per-packet one-way delay: 70.481 ms
Loss rate: 4.34%
-- Flow 1:
Average throughput: 334.25 Mbit/s
95th percentile per-packet one-way delay: 70.481 ms
Loss rate: 4.34%
```

Run 2: Report of PCC-Allegro — Data Link

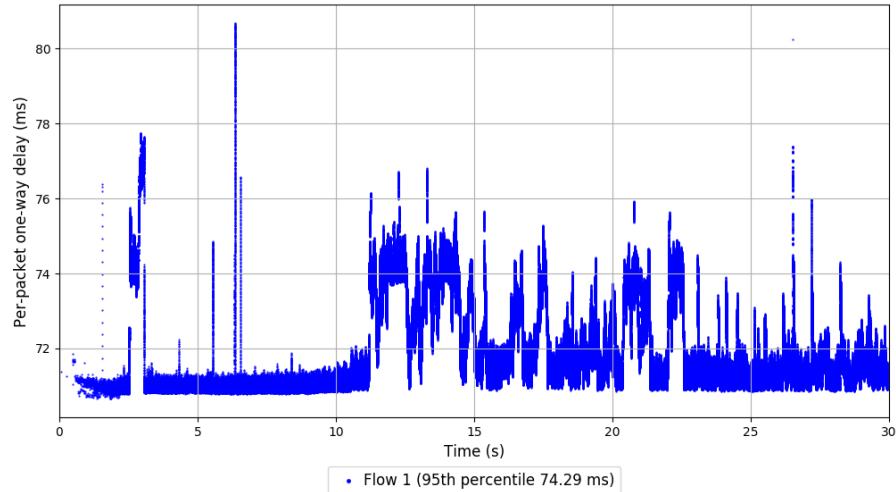
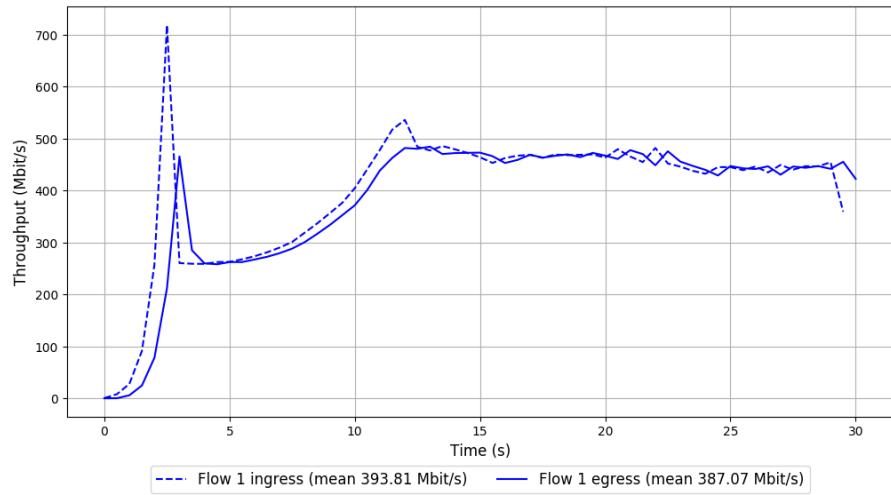


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-03-18 21:02:35
End at: 2019-03-18 21:03:05
Local clock offset: 1.452 ms
Remote clock offset: -25.874 ms

# Below is generated by plot.py at 2019-03-18 22:33:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 387.07 Mbit/s
95th percentile per-packet one-way delay: 74.290 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 387.07 Mbit/s
95th percentile per-packet one-way delay: 74.290 ms
Loss rate: 1.72%
```

### Run 3: Report of PCC-Allegro — Data Link

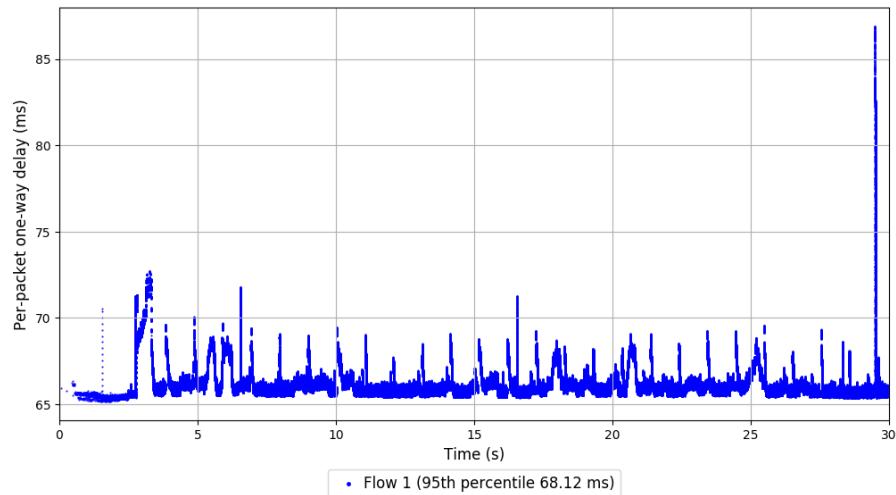
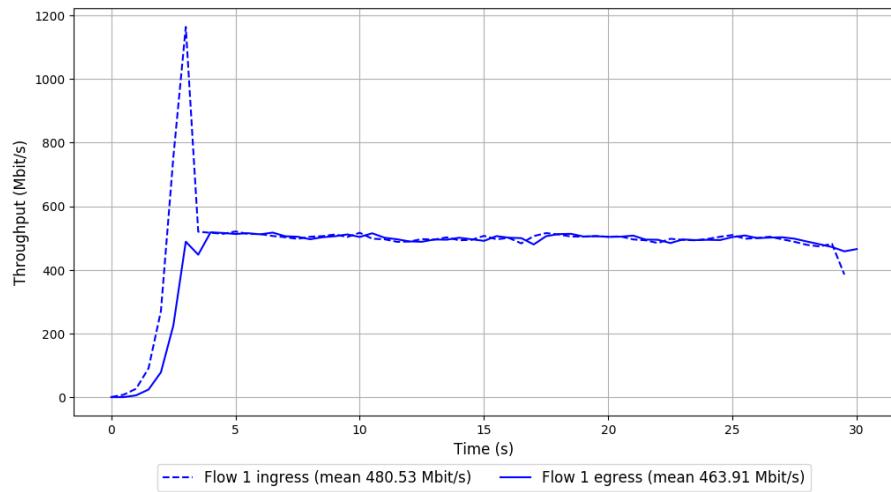


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-03-18 21:30:15
End at: 2019-03-18 21:30:45
Local clock offset: 0.805 ms
Remote clock offset: -29.541 ms

# Below is generated by plot.py at 2019-03-18 22:34:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 463.91 Mbit/s
95th percentile per-packet one-way delay: 68.116 ms
Loss rate: 3.47%
-- Flow 1:
Average throughput: 463.91 Mbit/s
95th percentile per-packet one-way delay: 68.116 ms
Loss rate: 3.47%
```

## Run 4: Report of PCC-Allegro — Data Link

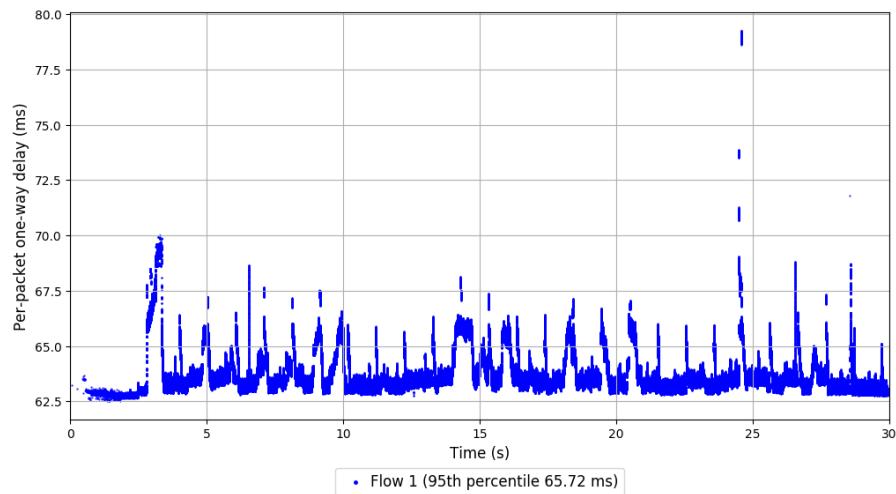
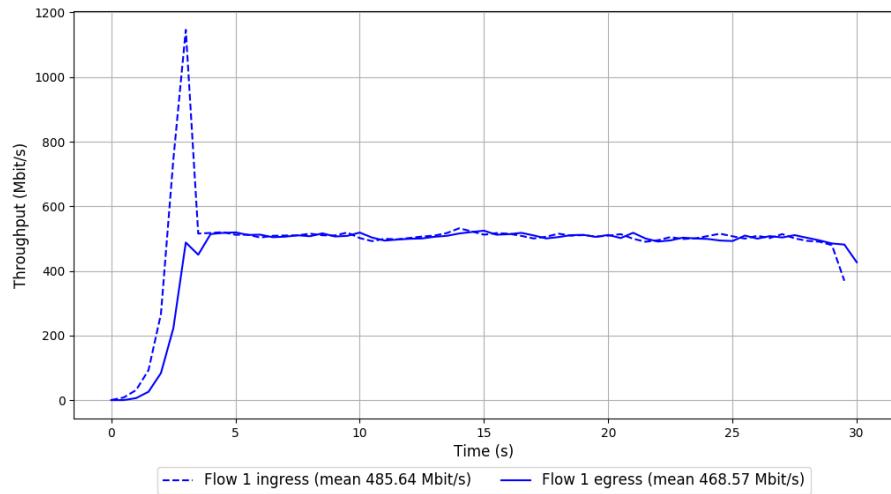


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-03-18 21:57:39
End at: 2019-03-18 21:58:09
Local clock offset: 0.064 ms
Remote clock offset: -32.596 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 468.57 Mbit/s
95th percentile per-packet one-way delay: 65.715 ms
Loss rate: 3.52%
-- Flow 1:
Average throughput: 468.57 Mbit/s
95th percentile per-packet one-way delay: 65.715 ms
Loss rate: 3.52%
```

## Run 5: Report of PCC-Allegro — Data Link

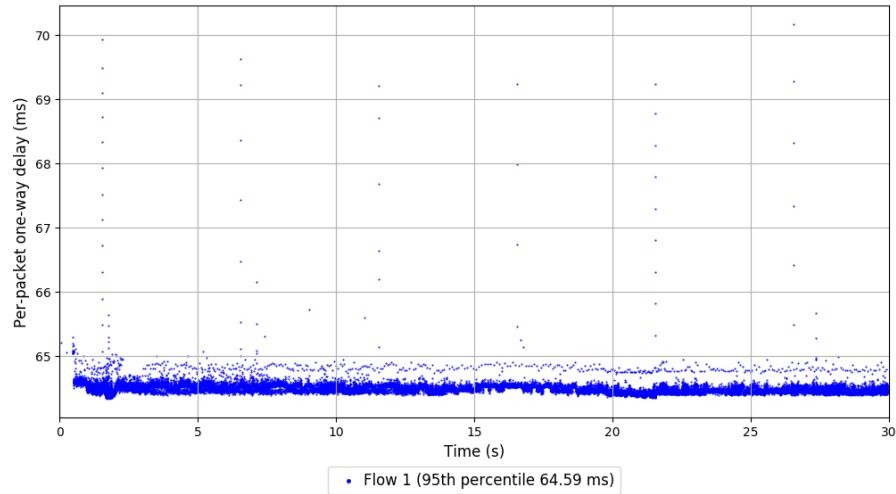
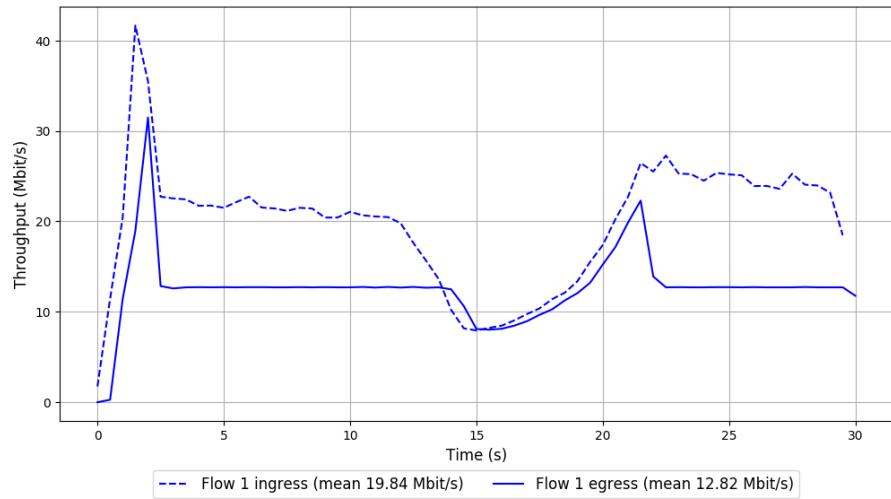


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-03-18 19:59:39
End at: 2019-03-18 20:00:09
Local clock offset: -1.247 ms
Remote clock offset: -34.984 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.82 Mbit/s
95th percentile per-packet one-way delay: 64.594 ms
Loss rate: 35.40%
-- Flow 1:
Average throughput: 12.82 Mbit/s
95th percentile per-packet one-way delay: 64.594 ms
Loss rate: 35.40%
```

Run 1: Report of PCC-Expr — Data Link

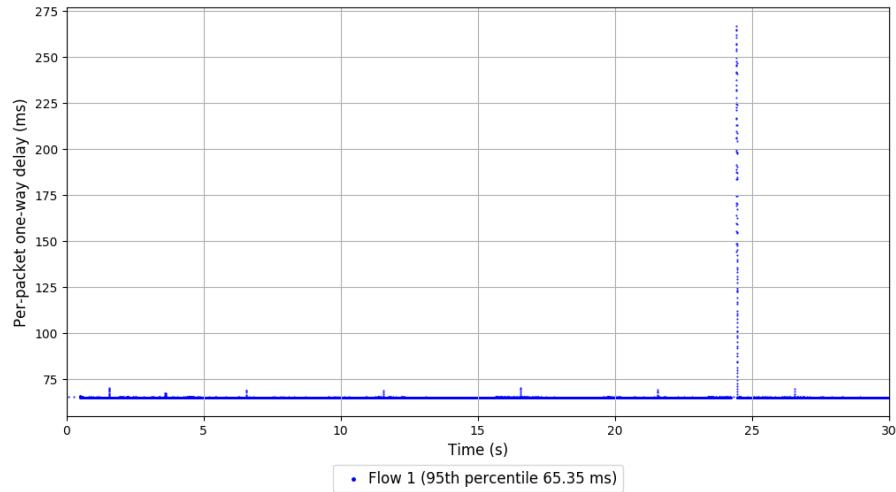
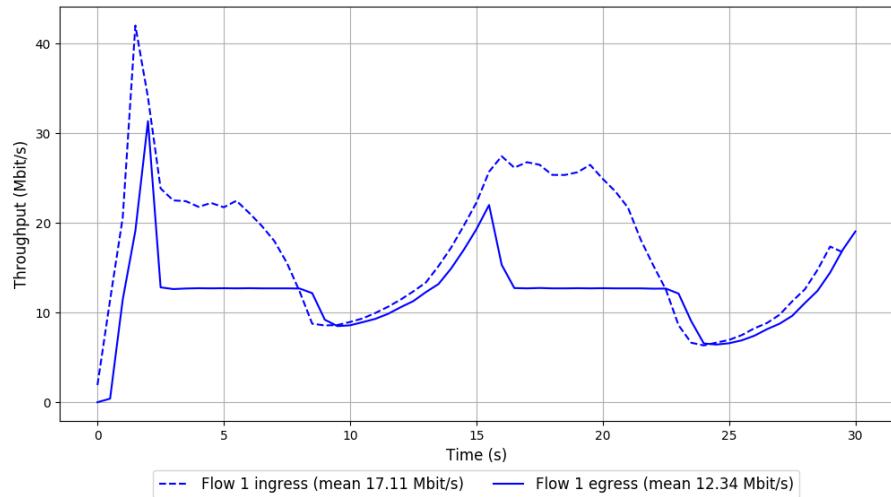


Run 2: Statistics of PCC-Expr

```
Start at: 2019-03-18 20:32:36
End at: 2019-03-18 20:33:06
Local clock offset: 0.21 ms
Remote clock offset: -32.66 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.34 Mbit/s
95th percentile per-packet one-way delay: 65.350 ms
Loss rate: 27.91%
-- Flow 1:
Average throughput: 12.34 Mbit/s
95th percentile per-packet one-way delay: 65.350 ms
Loss rate: 27.91%
```

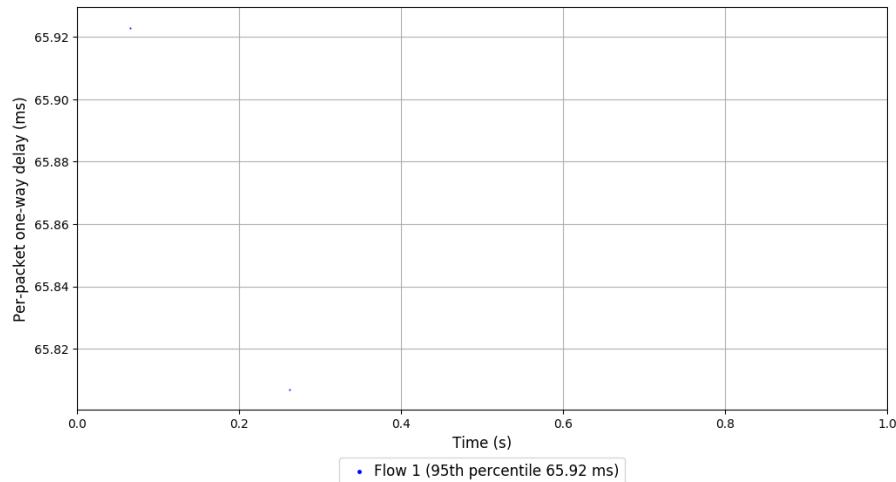
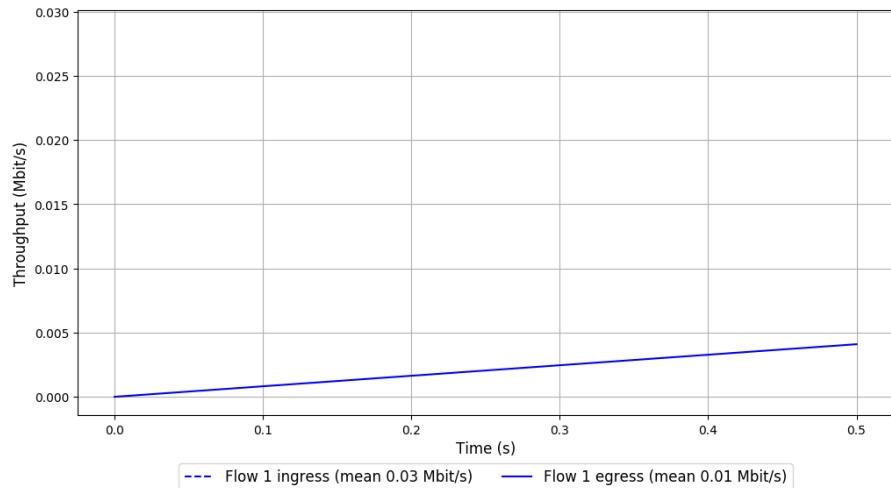
## Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-03-18 21:05:40  
End at: 2019-03-18 21:06:10  
Local clock offset: 0.277 ms  
Remote clock offset: -32.383 ms

Run 3: Report of PCC-Expr — Data Link

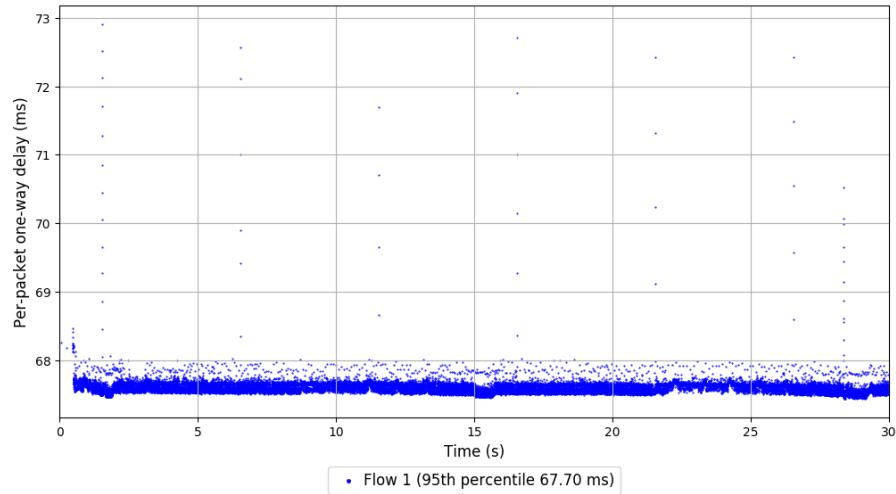
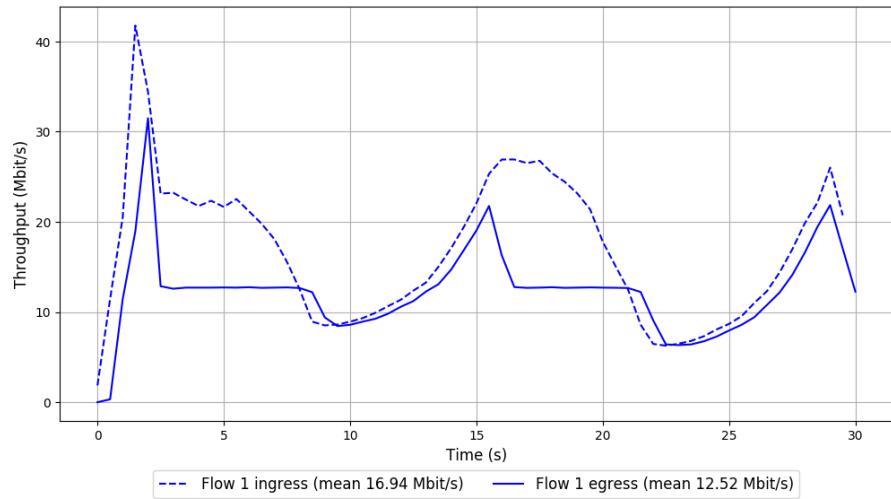


Run 4: Statistics of PCC-Expr

```
Start at: 2019-03-18 21:33:07
End at: 2019-03-18 21:33:37
Local clock offset: -0.44 ms
Remote clock offset: -25.911 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.52 Mbit/s
95th percentile per-packet one-way delay: 67.700 ms
Loss rate: 26.10%
-- Flow 1:
Average throughput: 12.52 Mbit/s
95th percentile per-packet one-way delay: 67.700 ms
Loss rate: 26.10%
```

## Run 4: Report of PCC-Expr — Data Link

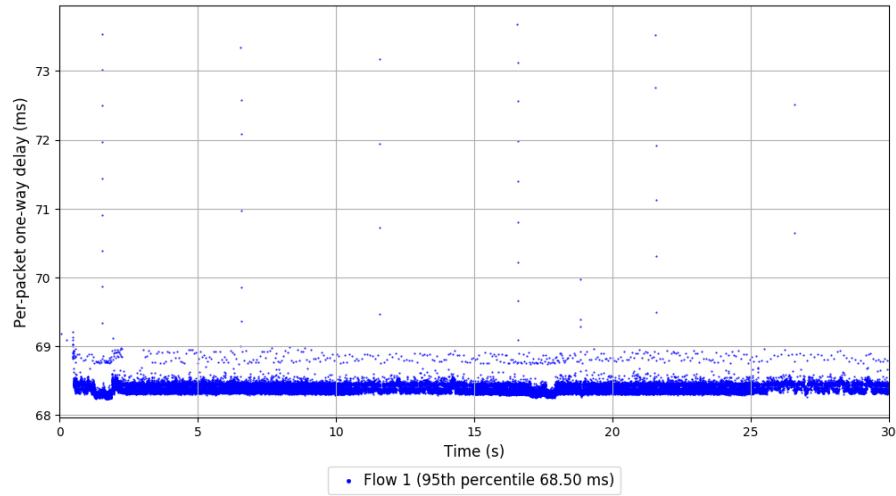
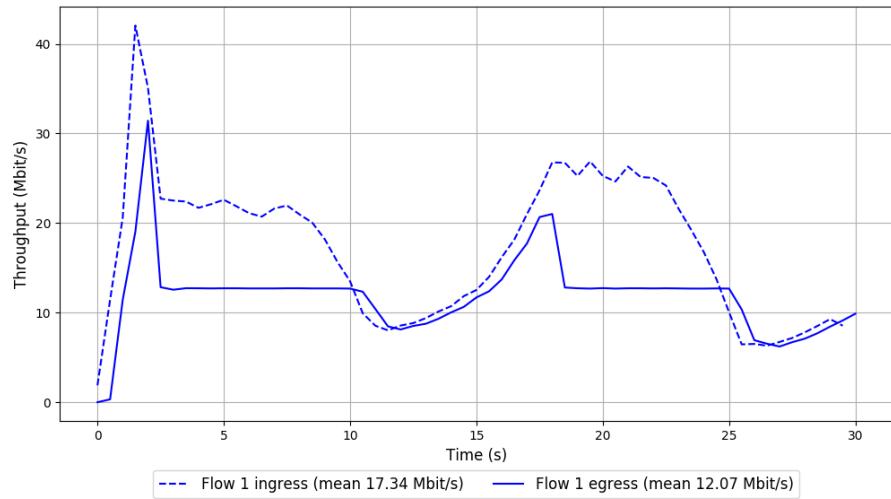


Run 5: Statistics of PCC-Expr

```
Start at: 2019-03-18 22:00:32
End at: 2019-03-18 22:01:02
Local clock offset: 1.563 ms
Remote clock offset: -23.039 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 68.501 ms
Loss rate: 30.37%
-- Flow 1:
Average throughput: 12.07 Mbit/s
95th percentile per-packet one-way delay: 68.501 ms
Loss rate: 30.37%
```

Run 5: Report of PCC-Expr — Data Link

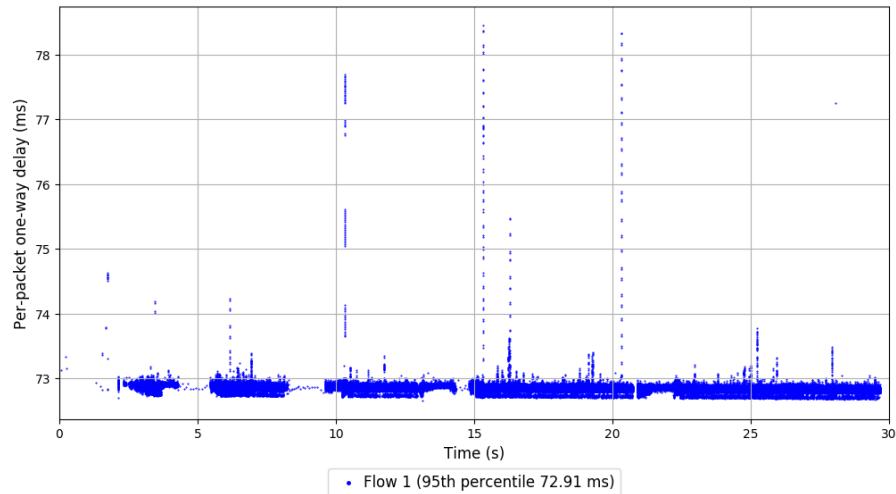
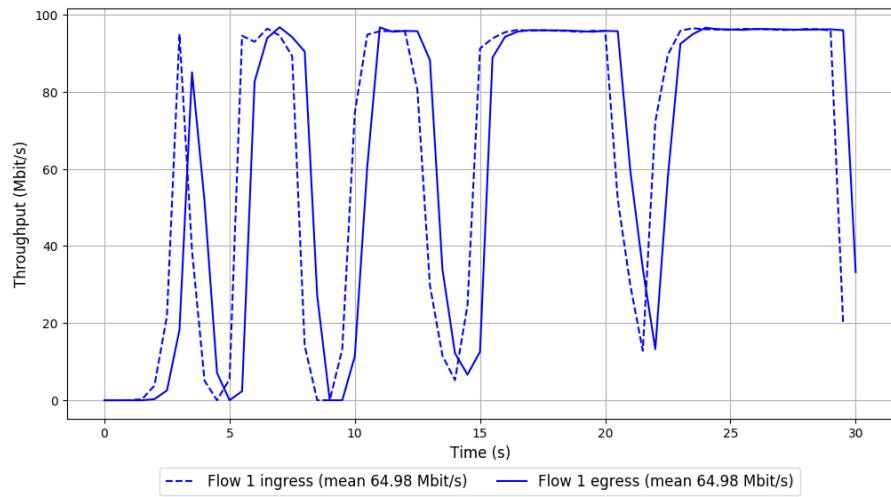


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-03-18 19:28:20
End at: 2019-03-18 19:28:50
Local clock offset: 0.132 ms
Remote clock offset: -29.264 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.98 Mbit/s
95th percentile per-packet one-way delay: 72.911 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 64.98 Mbit/s
95th percentile per-packet one-way delay: 72.911 ms
Loss rate: 0.01%
```

Run 1: Report of QUIC Cubic — Data Link

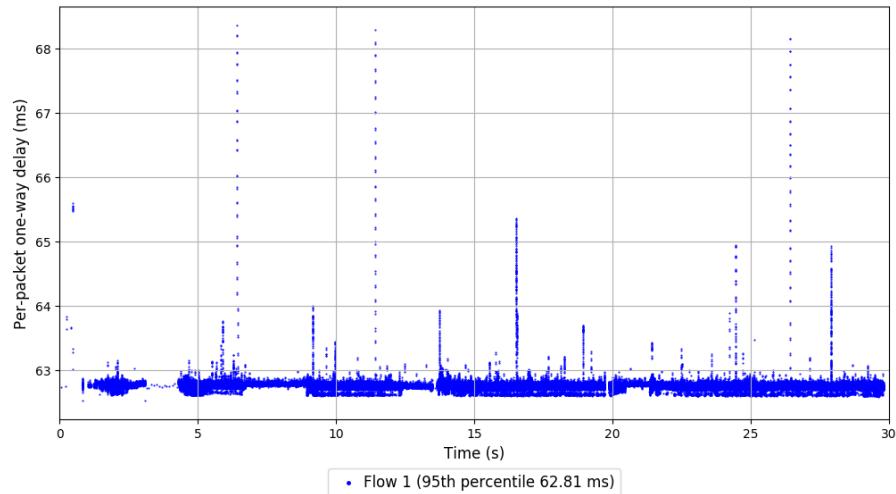
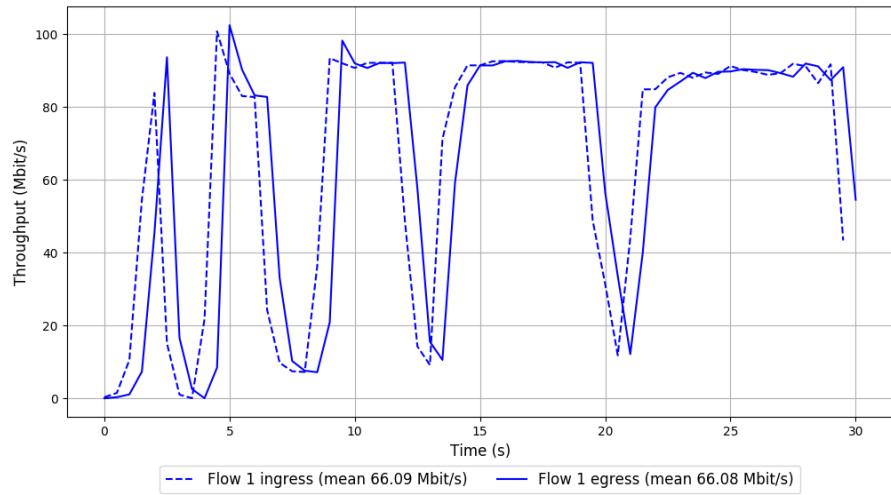


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-03-18 20:07:03
End at: 2019-03-18 20:07:33
Local clock offset: -1.33 ms
Remote clock offset: -39.217 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.08 Mbit/s
95th percentile per-packet one-way delay: 62.808 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 66.08 Mbit/s
95th percentile per-packet one-way delay: 62.808 ms
Loss rate: 0.01%
```

## Run 2: Report of QUIC Cubic — Data Link

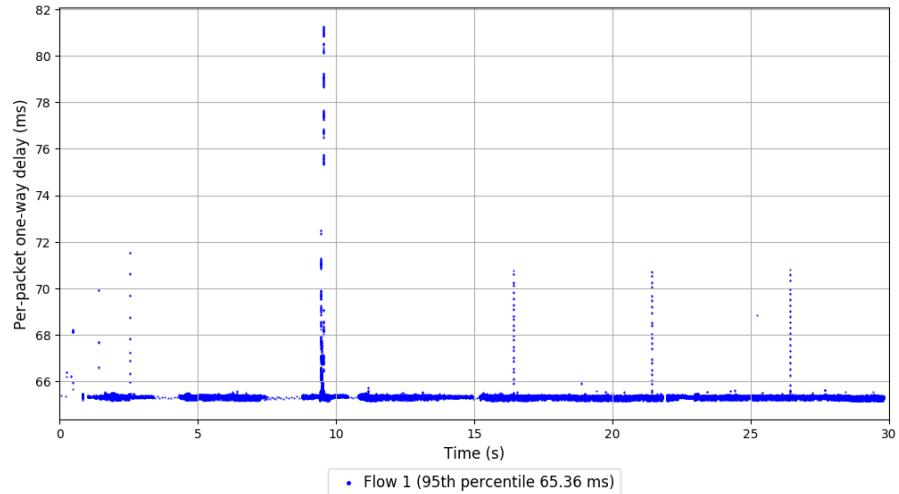
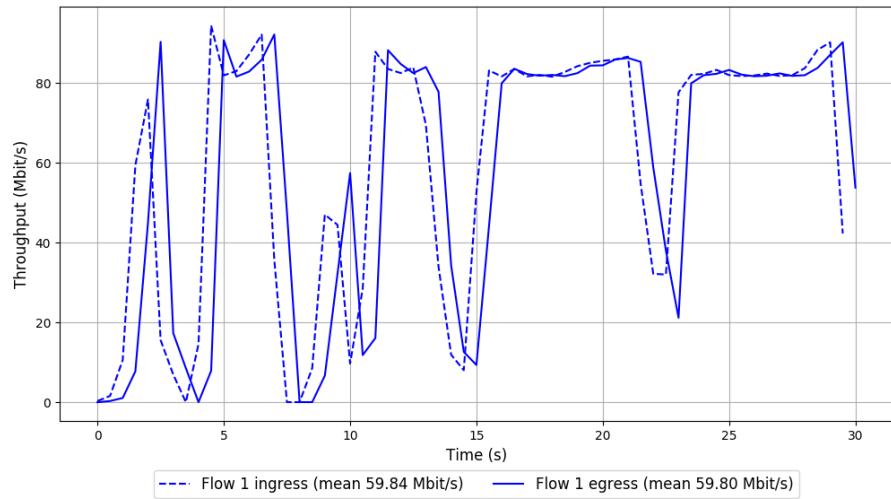


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-03-18 20:39:58
End at: 2019-03-18 20:40:28
Local clock offset: -0.321 ms
Remote clock offset: -35.202 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.80 Mbit/s
95th percentile per-packet one-way delay: 65.360 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 59.80 Mbit/s
95th percentile per-packet one-way delay: 65.360 ms
Loss rate: 0.06%
```

### Run 3: Report of QUIC Cubic — Data Link

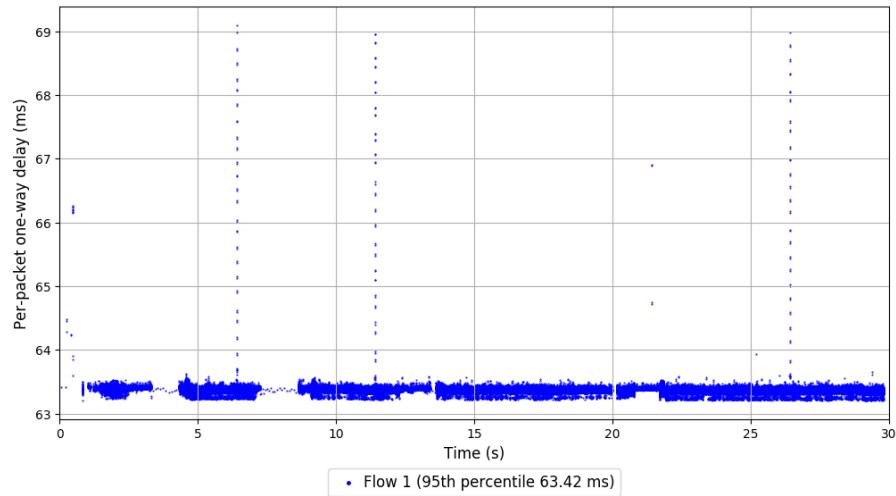
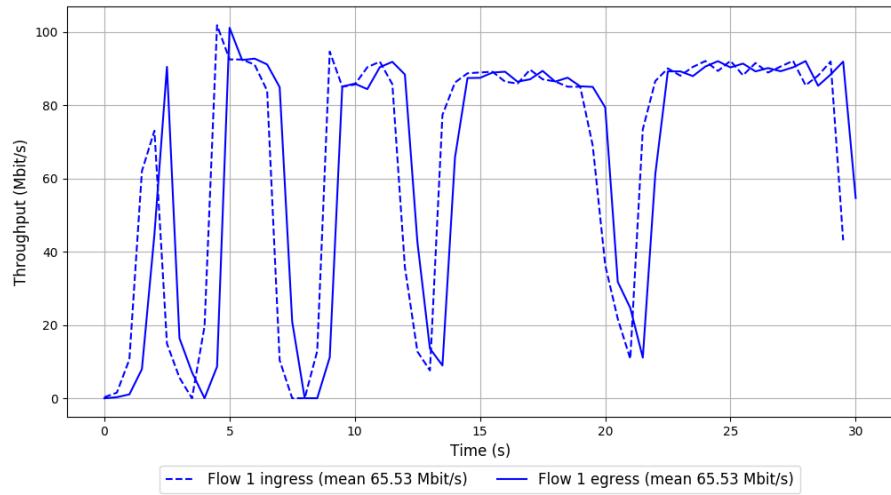


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-03-18 21:13:02
End at: 2019-03-18 21:13:32
Local clock offset: 2.41 ms
Remote clock offset: -29.582 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.53 Mbit/s
95th percentile per-packet one-way delay: 63.424 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.53 Mbit/s
95th percentile per-packet one-way delay: 63.424 ms
Loss rate: 0.00%
```

### Run 4: Report of QUIC Cubic — Data Link

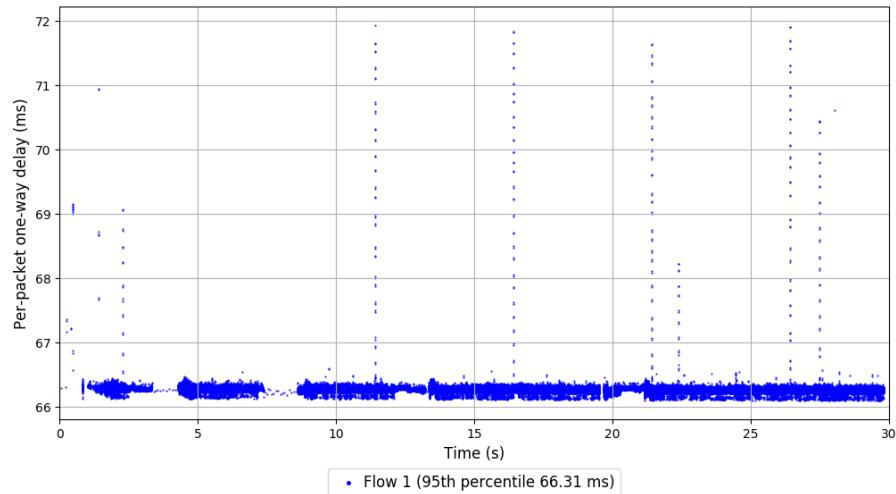
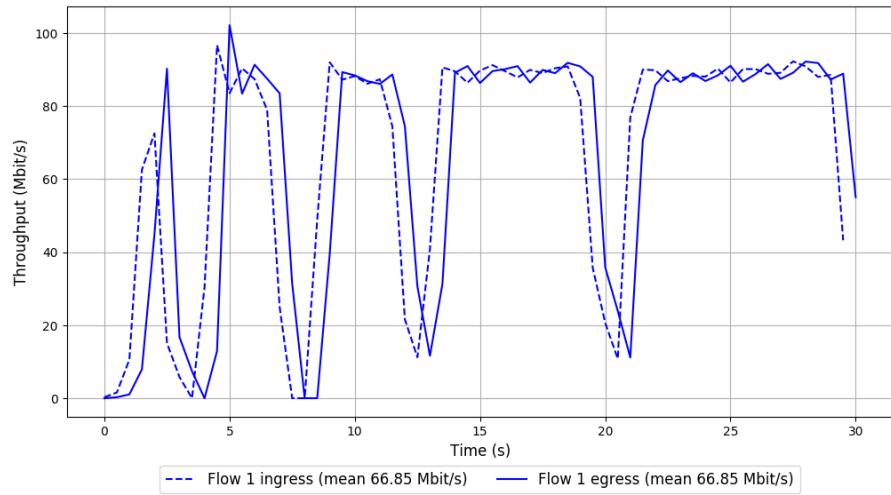


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-03-18 21:40:32
End at: 2019-03-18 21:41:02
Local clock offset: -0.189 ms
Remote clock offset: -26.484 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.85 Mbit/s
95th percentile per-packet one-way delay: 66.313 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 66.85 Mbit/s
95th percentile per-packet one-way delay: 66.313 ms
Loss rate: 0.00%
```

### Run 5: Report of QUIC Cubic — Data Link

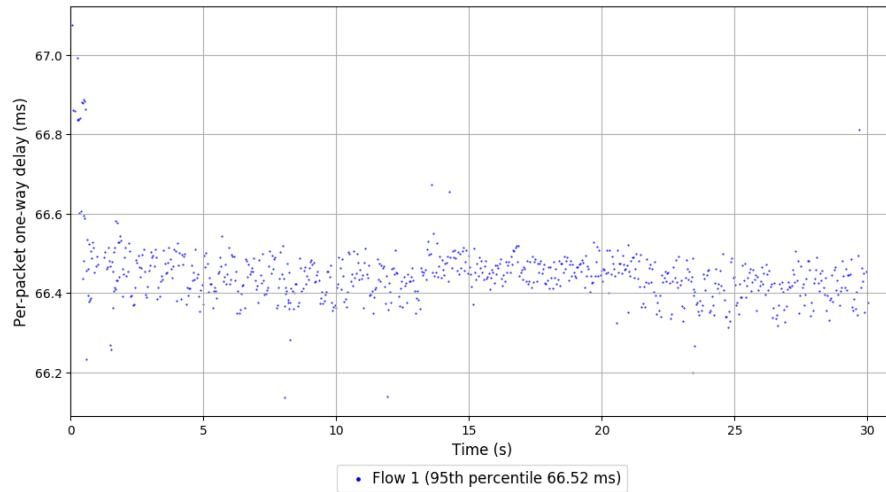
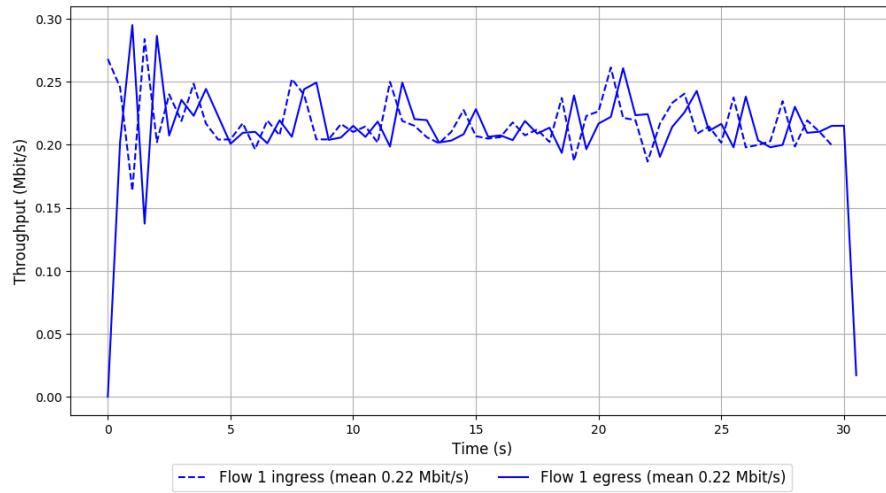


```
Run 1: Statistics of SCReAM

Start at: 2019-03-18 19:50:19
End at: 2019-03-18 19:50:49
Local clock offset: 0.606 ms
Remote clock offset: -31.739 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.518 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.518 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

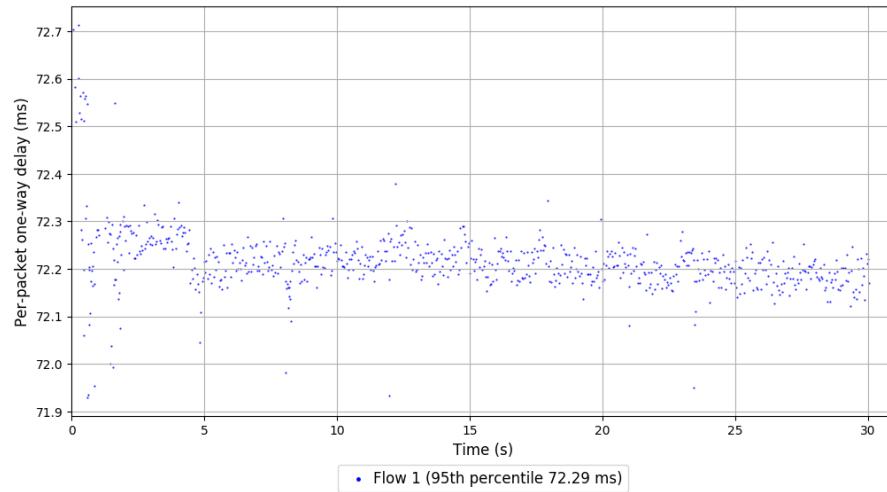
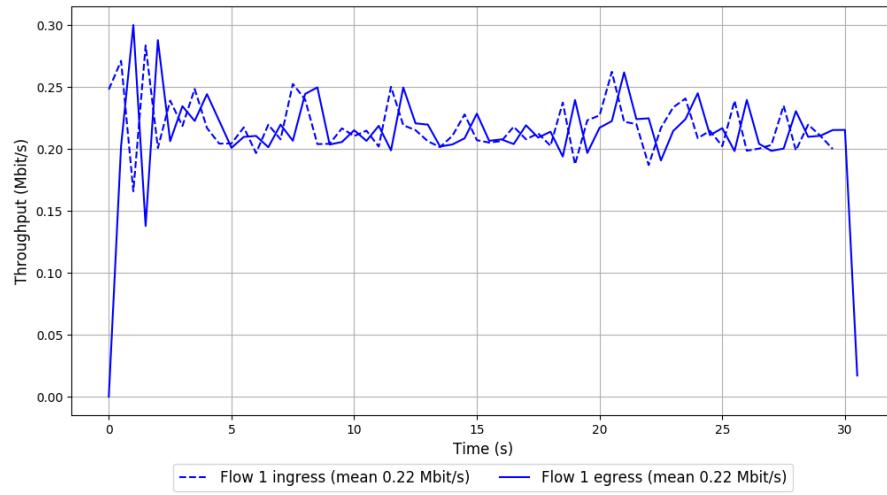


Run 2: Statistics of SCReAM

```
Start at: 2019-03-18 20:23:17
End at: 2019-03-18 20:23:47
Local clock offset: 0.281 ms
Remote clock offset: -28.941 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 72.291 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 72.291 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

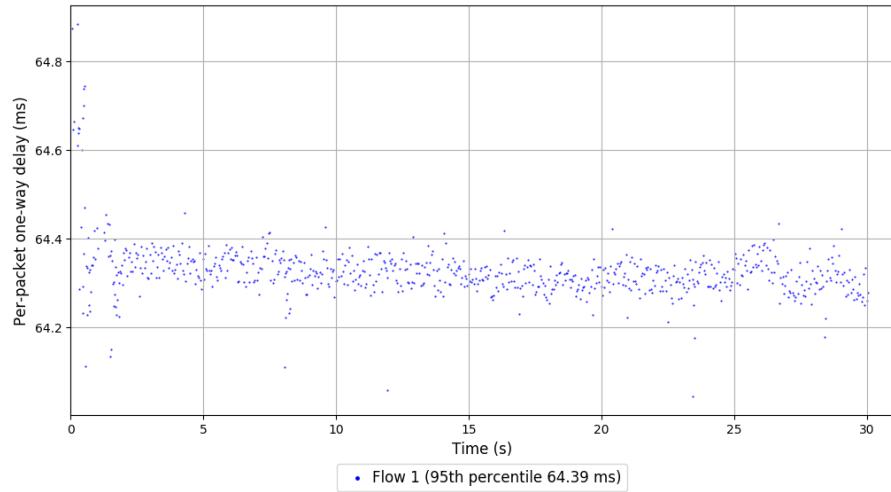
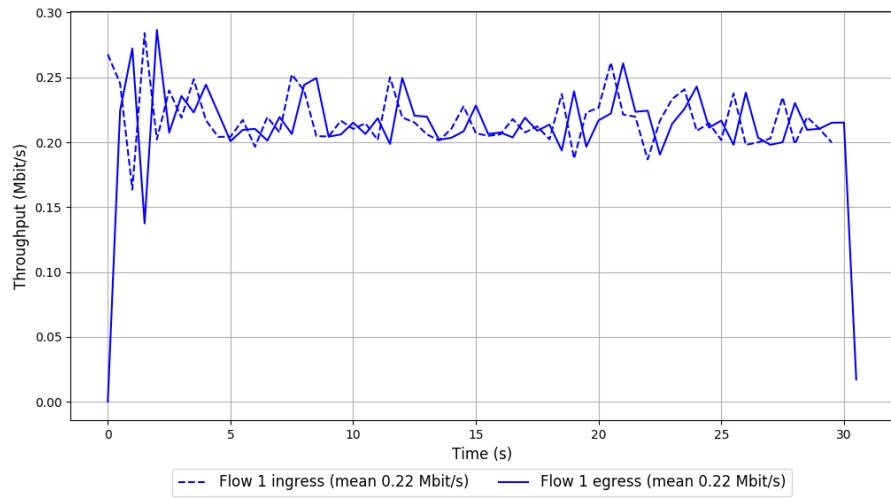


Run 3: Statistics of SCReAM

```
Start at: 2019-03-18 20:50:40
End at: 2019-03-18 20:51:10
Local clock offset: 2.305 ms
Remote clock offset: -30.363 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.390 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.390 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

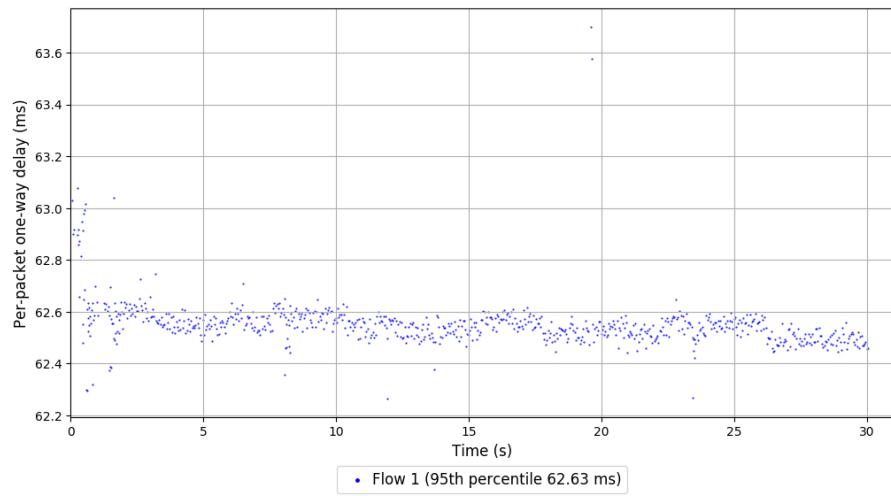
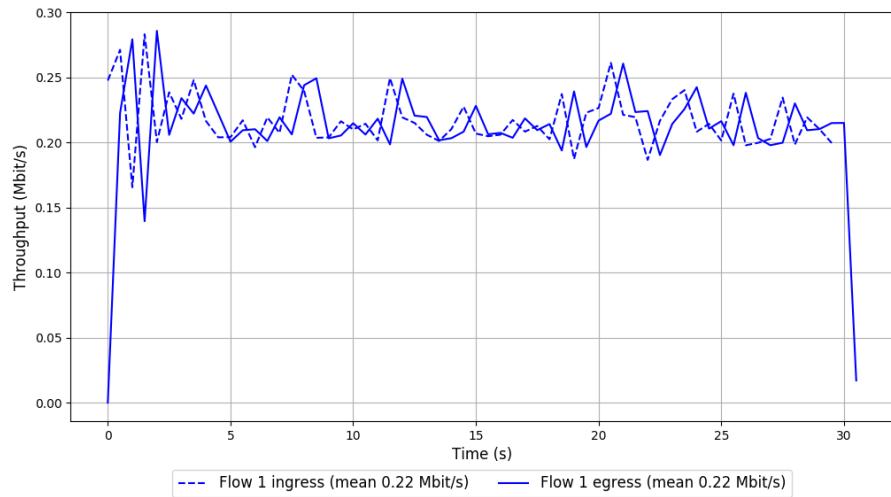


Run 4: Statistics of SCReAM

```
Start at: 2019-03-18 21:23:46
End at: 2019-03-18 21:24:16
Local clock offset: -0.427 ms
Remote clock offset: -34.347 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.632 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.632 ms
Loss rate: 0.00%
```

### Run 4: Report of SCReAM — Data Link

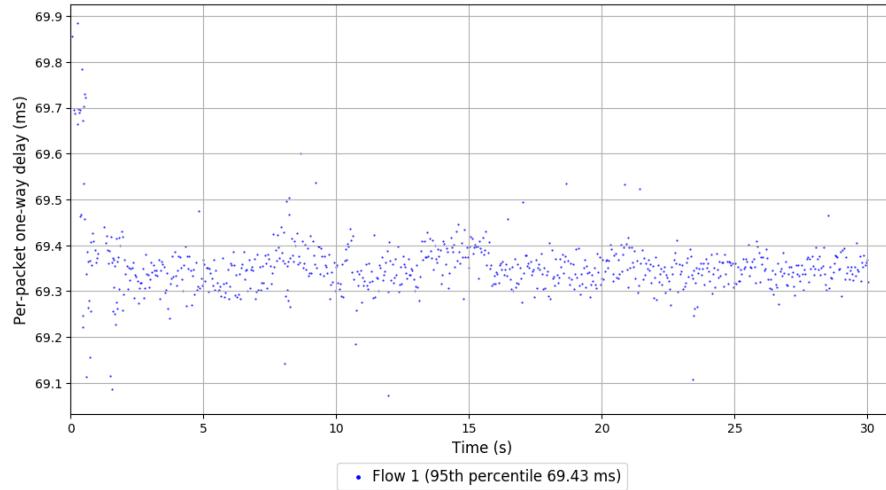
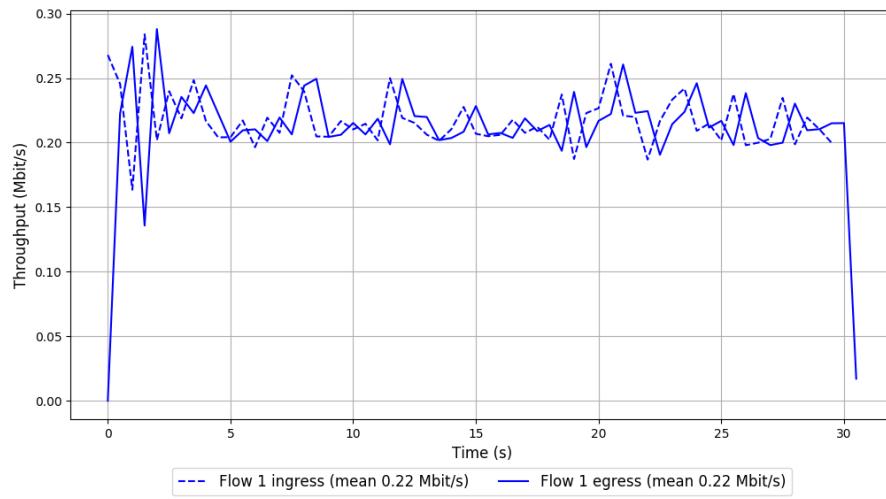


```
Run 5: Statistics of SCReAM

Start at: 2019-03-18 21:51:11
End at: 2019-03-18 21:51:42
Local clock offset: -0.033 ms
Remote clock offset: -23.514 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 69.427 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 69.427 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

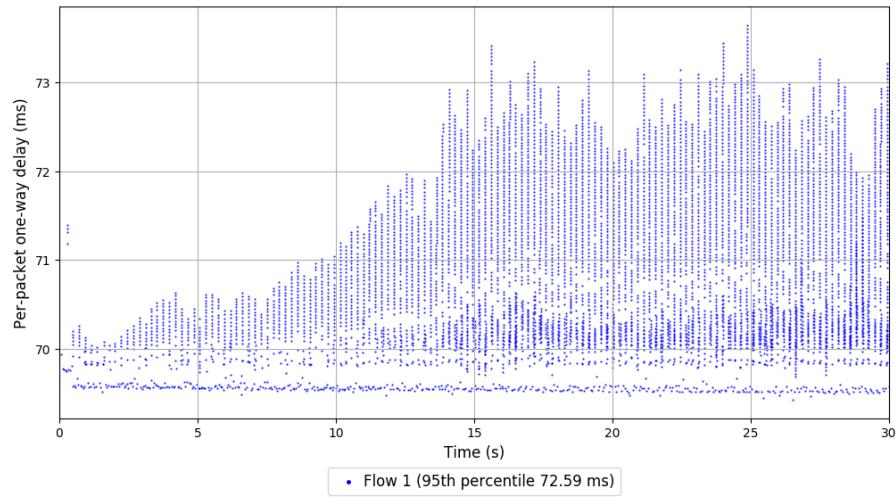
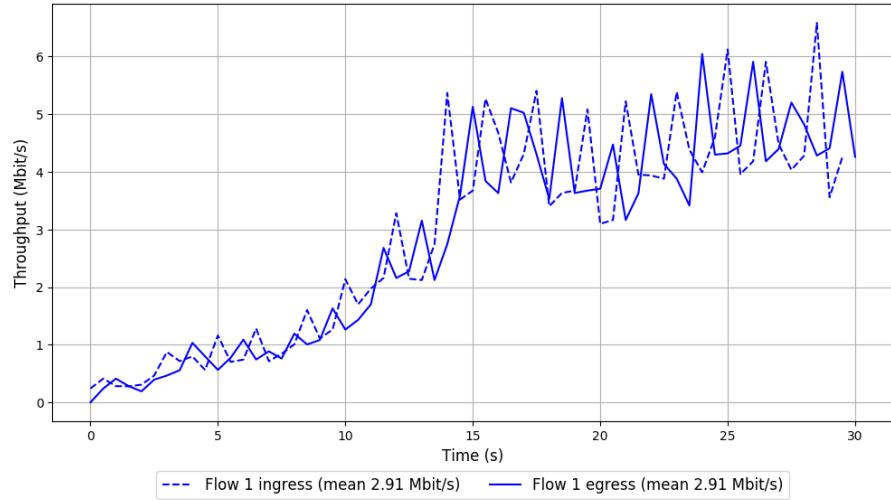


Run 1: Statistics of Sprout

```
Start at: 2019-03-18 19:27:09
End at: 2019-03-18 19:27:39
Local clock offset: 1.03 ms
Remote clock offset: -29.294 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 72.593 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.91 Mbit/s
95th percentile per-packet one-way delay: 72.593 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

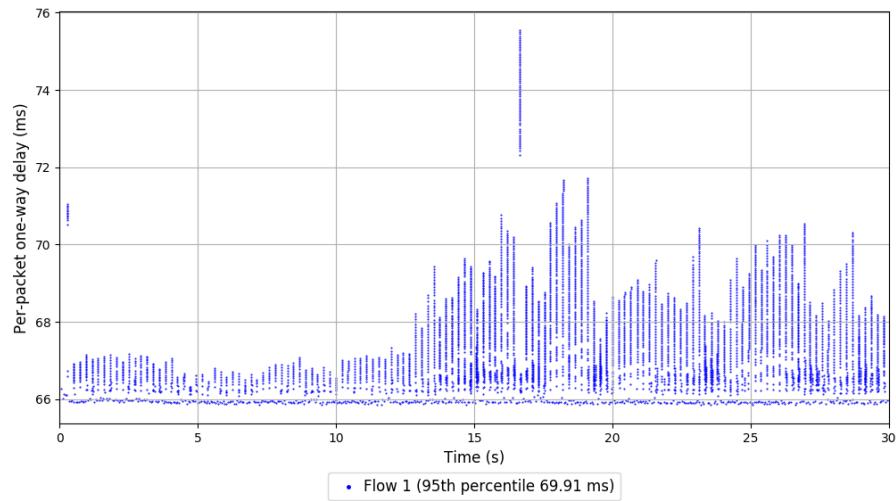
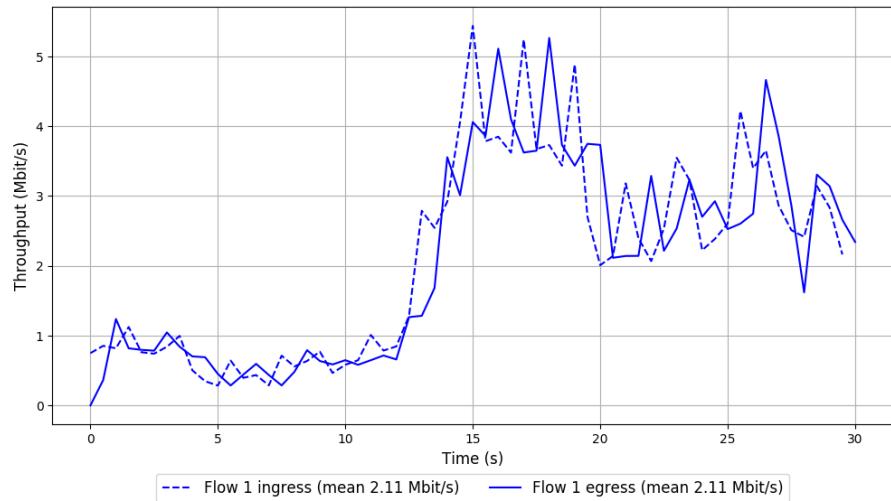


Run 2: Statistics of Sprout

```
Start at: 2019-03-18 20:05:52
End at: 2019-03-18 20:06:22
Local clock offset: 0.215 ms
Remote clock offset: -34.306 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 69.905 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.11 Mbit/s
95th percentile per-packet one-way delay: 69.905 ms
Loss rate: 0.00%
```

## Run 2: Report of Sprout — Data Link

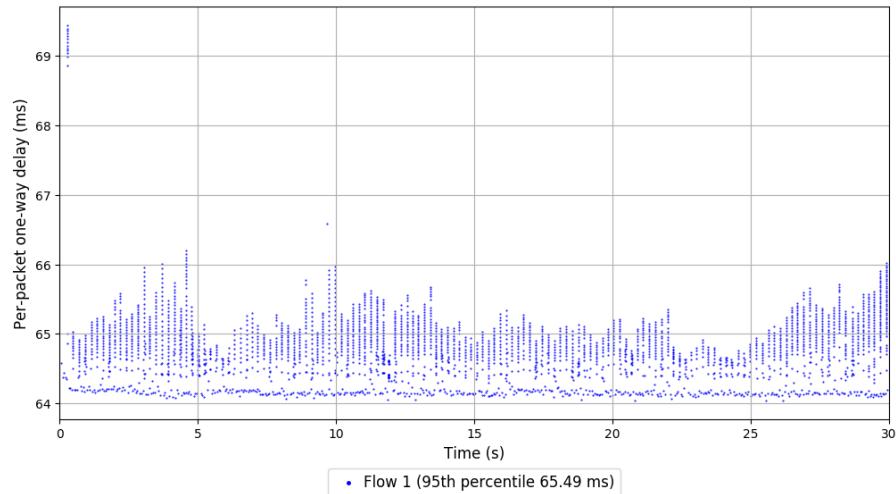
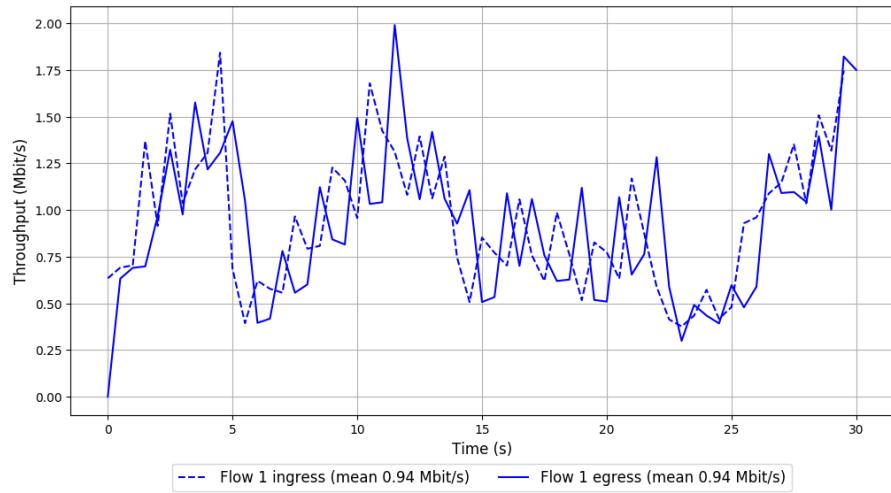


Run 3: Statistics of Sprout

```
Start at: 2019-03-18 20:38:48
End at: 2019-03-18 20:39:18
Local clock offset: 1.178 ms
Remote clock offset: -32.327 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 65.489 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.94 Mbit/s
95th percentile per-packet one-way delay: 65.489 ms
Loss rate: 0.00%
```

### Run 3: Report of Sprout — Data Link

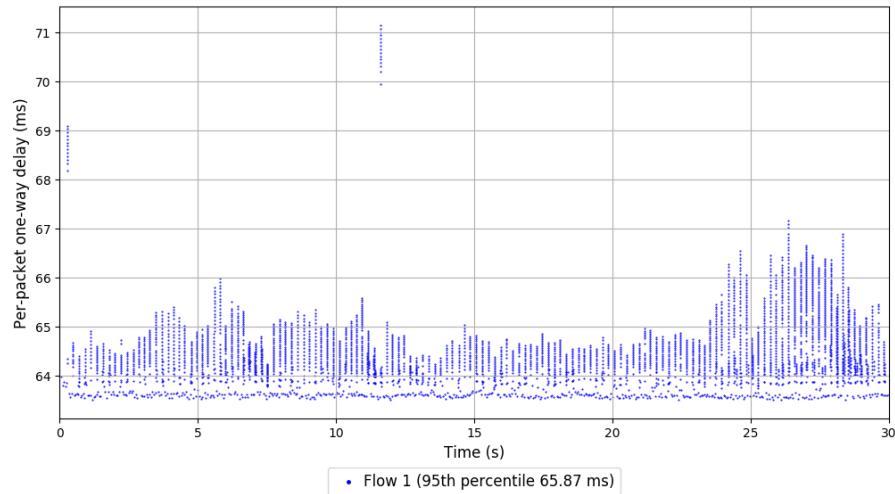
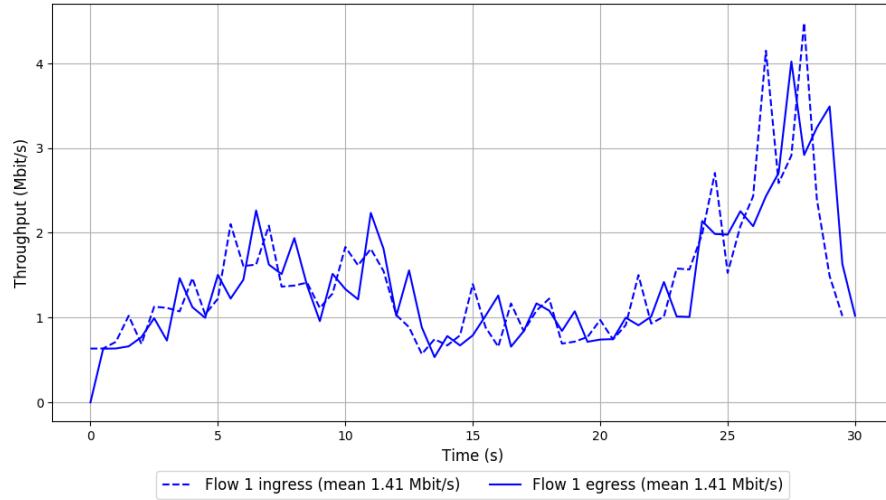


Run 4: Statistics of Sprout

```
Start at: 2019-03-18 21:11:52
End at: 2019-03-18 21:12:22
Local clock offset: 2.118 ms
Remote clock offset: -29.775 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 65.868 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.41 Mbit/s
95th percentile per-packet one-way delay: 65.868 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

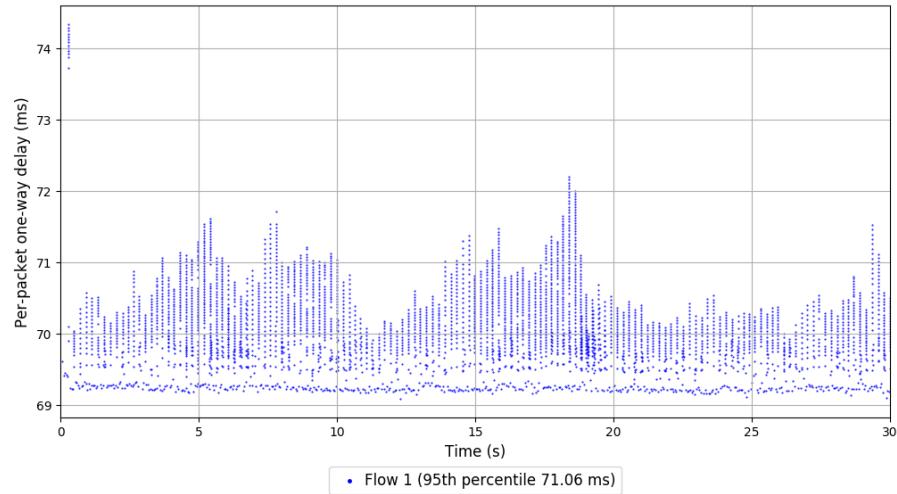
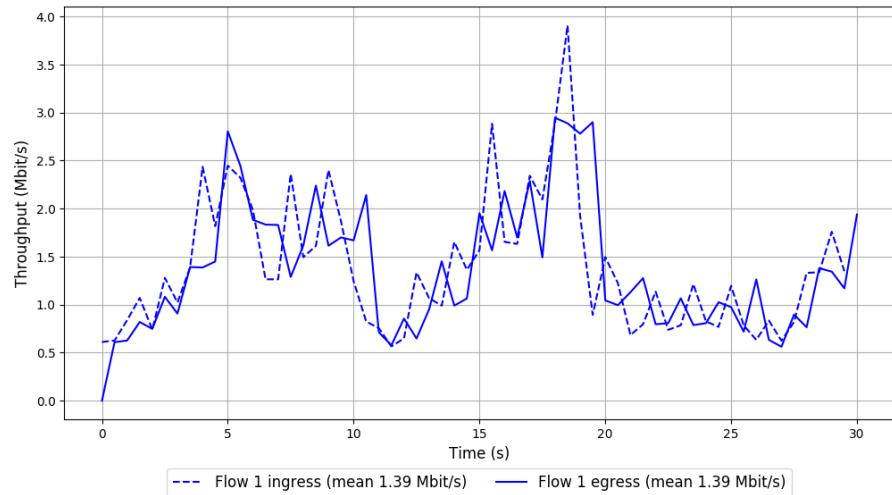


Run 5: Statistics of Sprout

```
Start at: 2019-03-18 21:39:21
End at: 2019-03-18 21:39:51
Local clock offset: -0.133 ms
Remote clock offset: -23.456 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 71.063 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.39 Mbit/s
95th percentile per-packet one-way delay: 71.063 ms
Loss rate: 0.00%
```

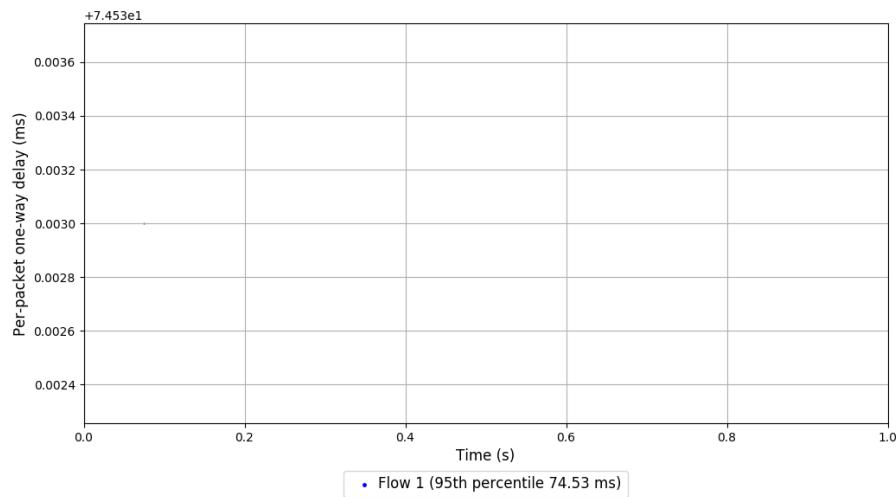
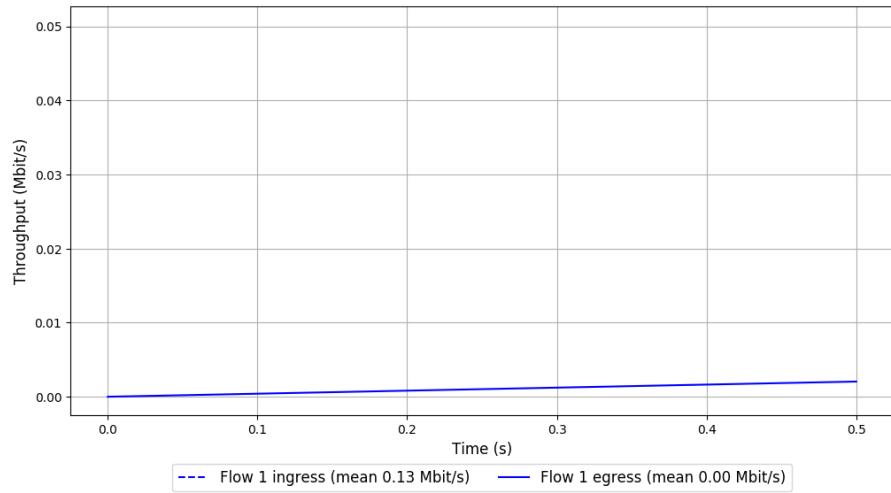
## Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

Start at: 2019-03-18 19:24:28  
End at: 2019-03-18 19:24:58  
Local clock offset: 0.859 ms  
Remote clock offset: -27.974 ms

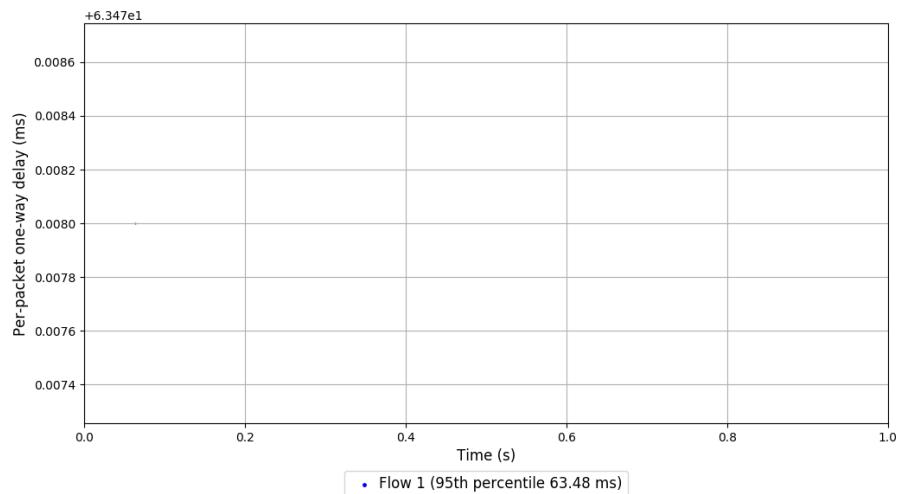
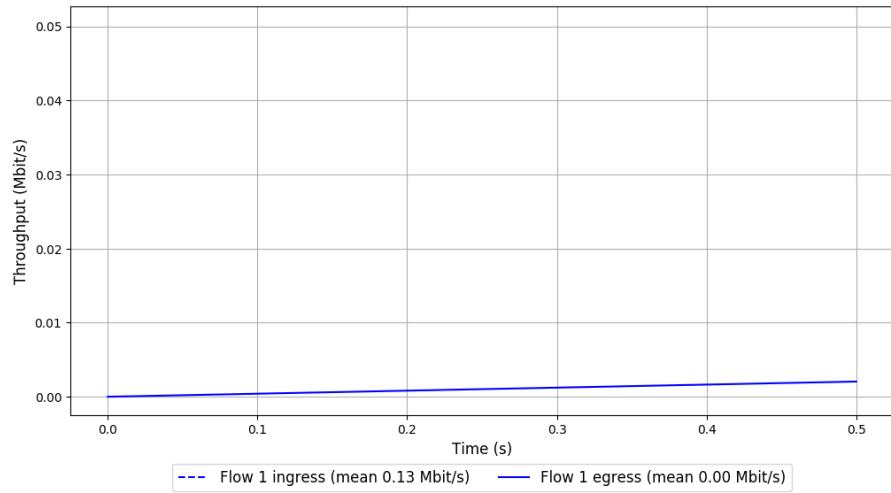
Run 1: Report of TaoVA-100x — Data Link



Run 2: Statistics of TaoVA-100x

Start at: 2019-03-18 20:03:19  
End at: 2019-03-18 20:03:49  
Local clock offset: 0.707 ms  
Remote clock offset: -34.444 ms

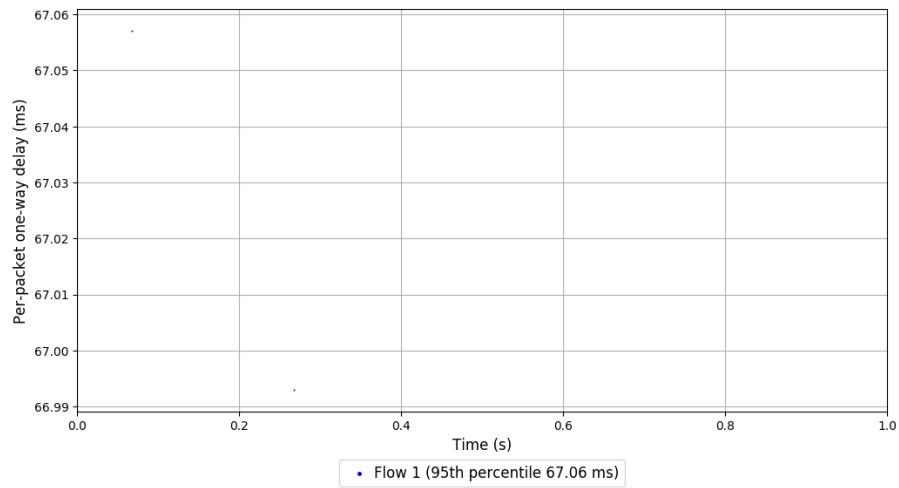
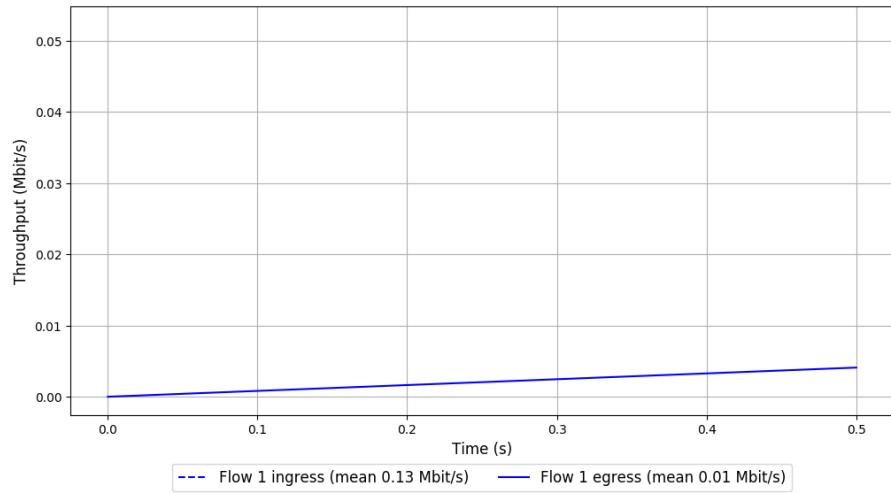
## Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: 2019-03-18 20:36:15  
End at: 2019-03-18 20:36:45  
Local clock offset: 0.165 ms  
Remote clock offset: -31.208 ms

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

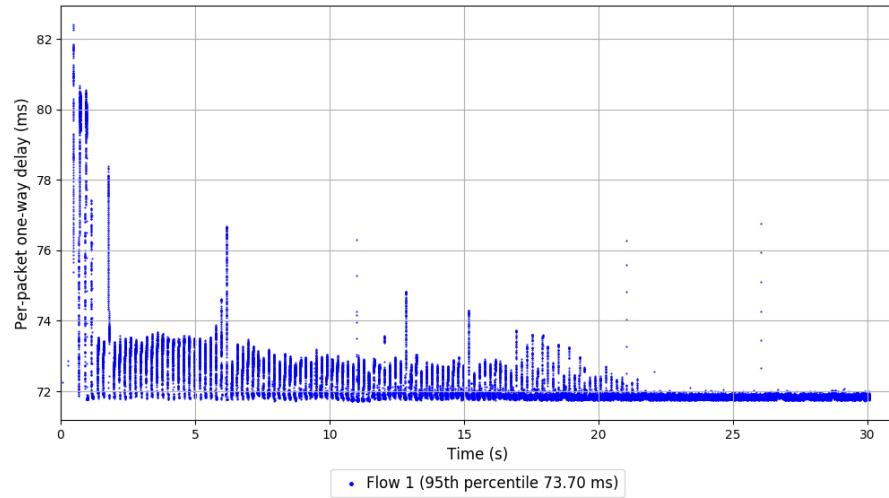
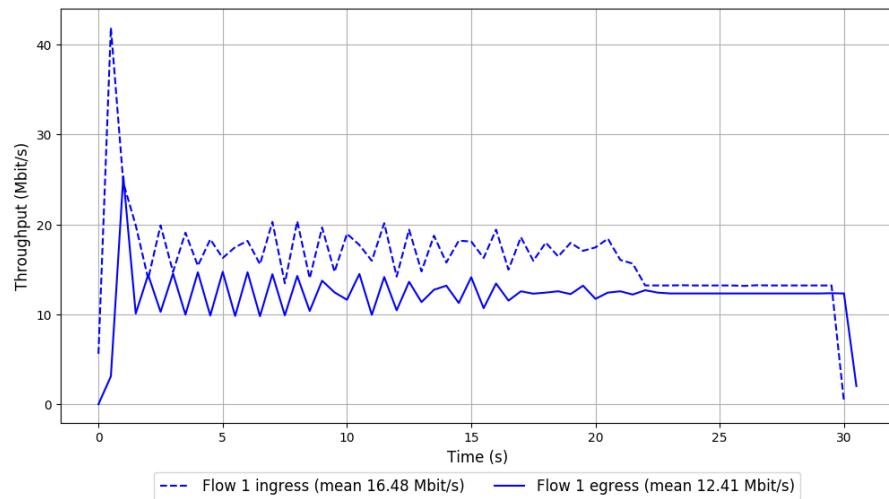


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-03-18 21:09:16
End at: 2019-03-18 21:09:46
Local clock offset: -0.087 ms
Remote clock offset: -23.891 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.41 Mbit/s
95th percentile per-packet one-way delay: 73.698 ms
Loss rate: 24.67%
-- Flow 1:
Average throughput: 12.41 Mbit/s
95th percentile per-packet one-way delay: 73.698 ms
Loss rate: 24.67%
```

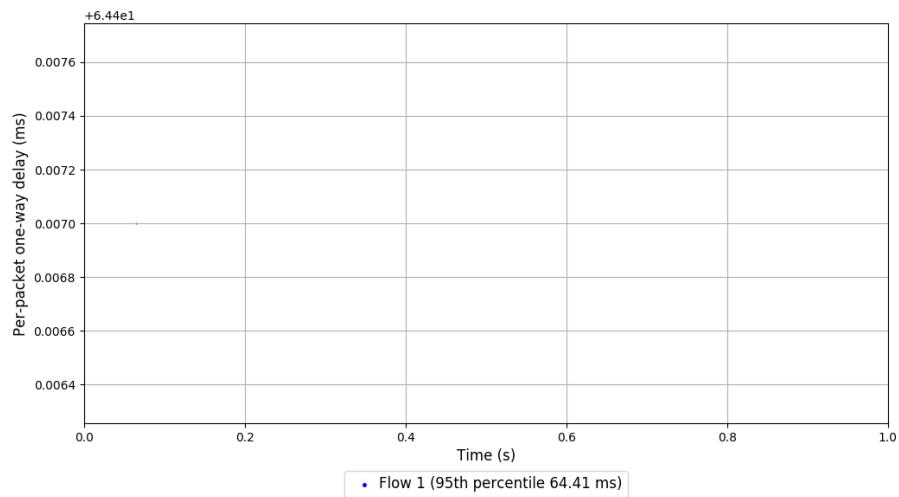
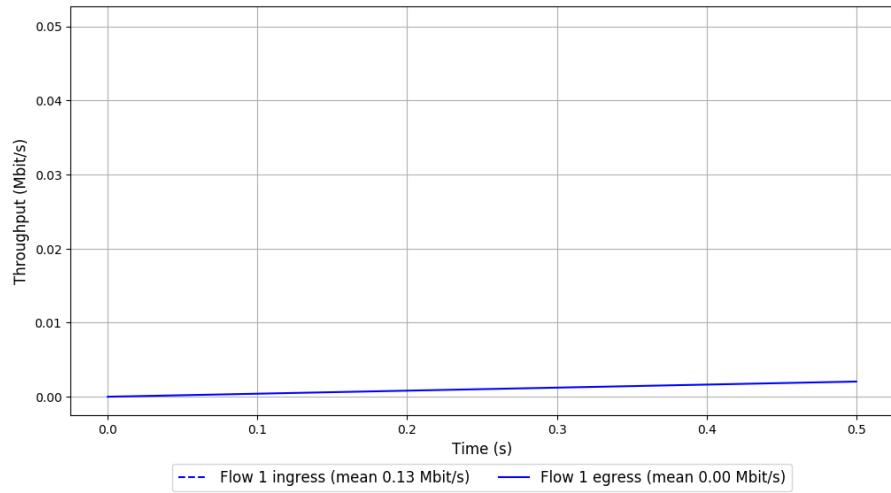
Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: 2019-03-18 21:36:48  
End at: 2019-03-18 21:37:18  
Local clock offset: -0.06 ms  
Remote clock offset: -29.04 ms

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

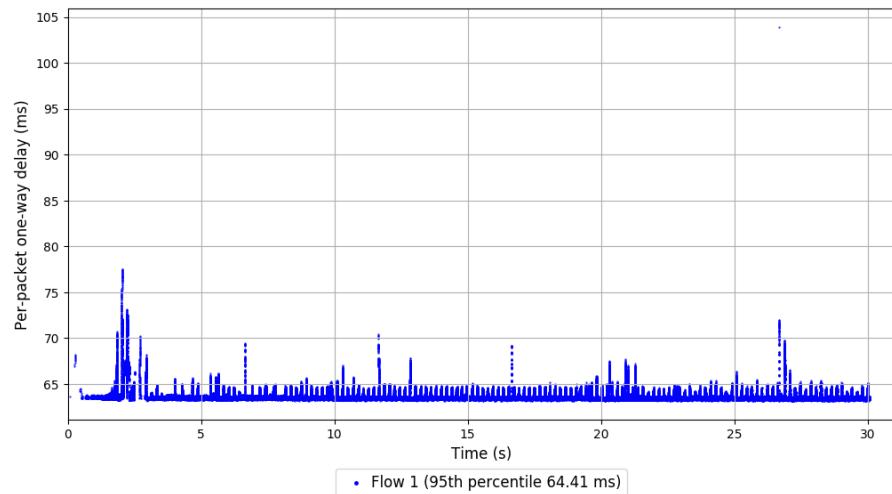
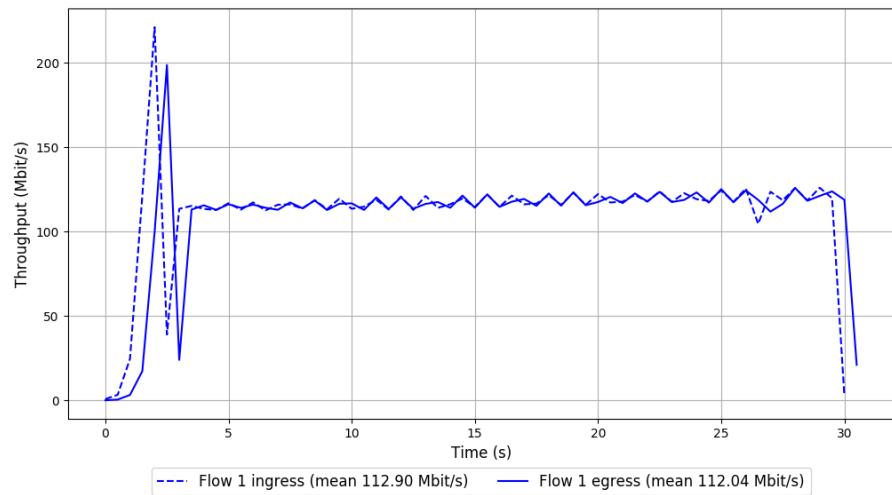


Run 1: Statistics of TCP Vegas

```
Start at: 2019-03-18 19:29:33
End at: 2019-03-18 19:30:03
Local clock offset: 1.2 ms
Remote clock offset: -35.122 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 112.04 Mbit/s
95th percentile per-packet one-way delay: 64.405 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 112.04 Mbit/s
95th percentile per-packet one-way delay: 64.405 ms
Loss rate: 0.76%
```

Run 1: Report of TCP Vegas — Data Link

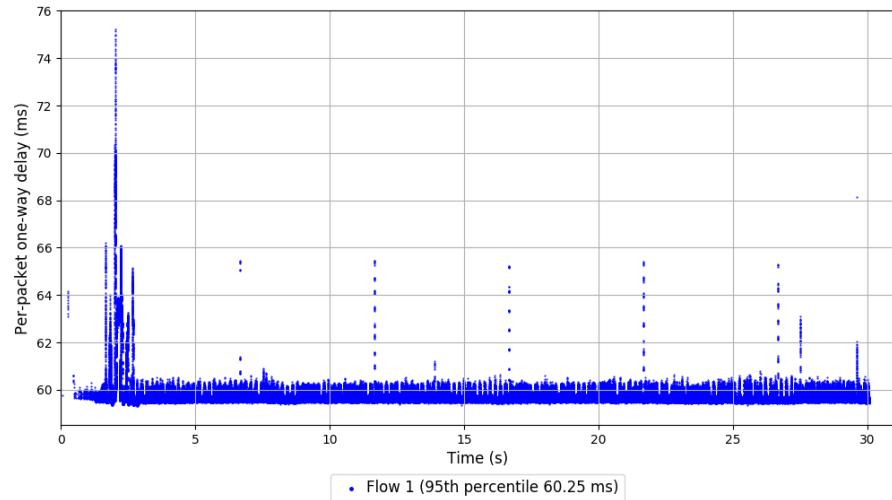
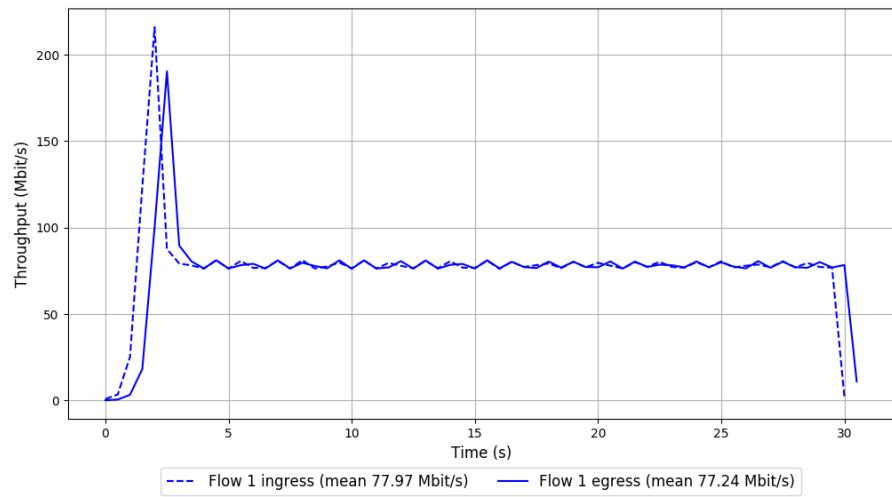


Run 2: Statistics of TCP Vegas

```
Start at: 2019-03-18 20:08:16
End at: 2019-03-18 20:08:46
Local clock offset: -1.254 ms
Remote clock offset: -39.646 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.24 Mbit/s
95th percentile per-packet one-way delay: 60.248 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 77.24 Mbit/s
95th percentile per-packet one-way delay: 60.248 ms
Loss rate: 0.94%
```

Run 2: Report of TCP Vegas — Data Link

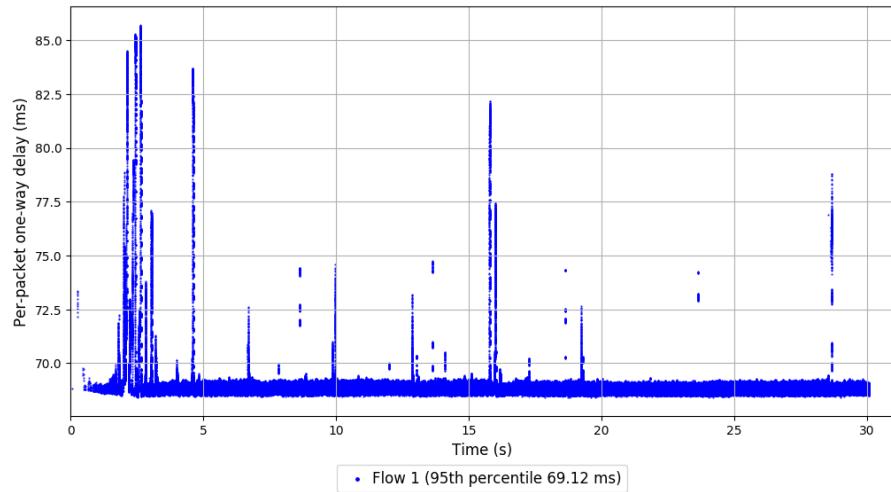
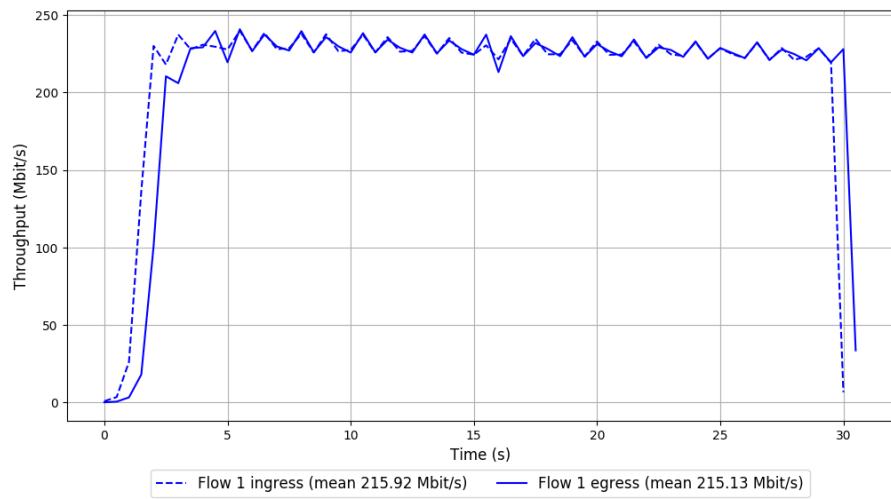


Run 3: Statistics of TCP Vegas

```
Start at: 2019-03-18 20:41:11
End at: 2019-03-18 20:41:41
Local clock offset: 2.172 ms
Remote clock offset: -27.127 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.13 Mbit/s
95th percentile per-packet one-way delay: 69.117 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 215.13 Mbit/s
95th percentile per-packet one-way delay: 69.117 ms
Loss rate: 0.37%
```

### Run 3: Report of TCP Vegas — Data Link

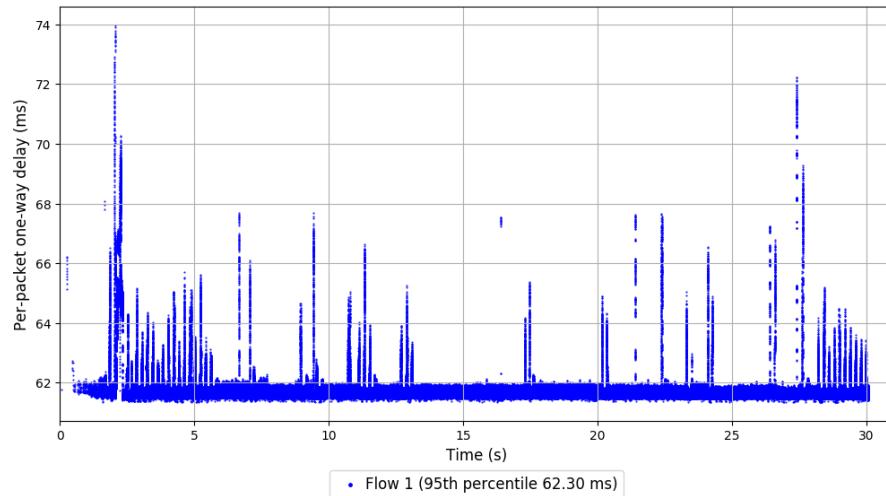
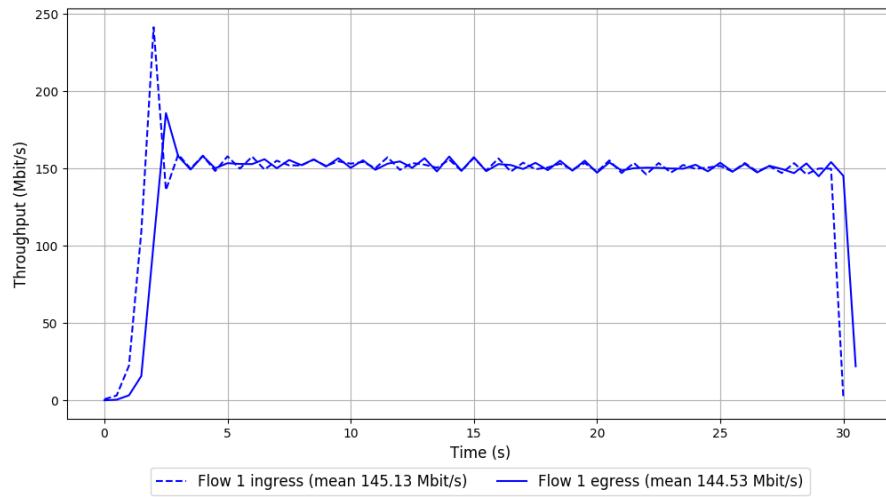


Run 4: Statistics of TCP Vegas

```
Start at: 2019-03-18 21:14:16
End at: 2019-03-18 21:14:46
Local clock offset: 2.686 ms
Remote clock offset: -33.941 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 144.53 Mbit/s
95th percentile per-packet one-way delay: 62.297 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 144.53 Mbit/s
95th percentile per-packet one-way delay: 62.297 ms
Loss rate: 0.42%
```

### Run 4: Report of TCP Vegas — Data Link

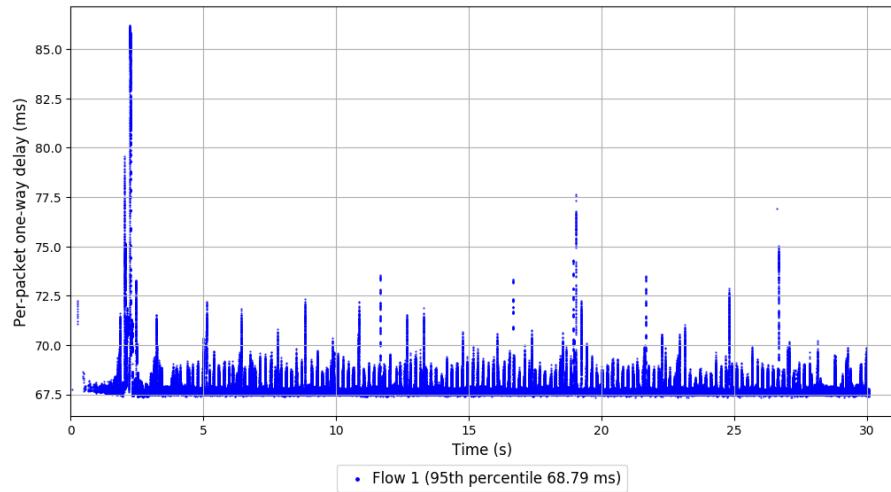
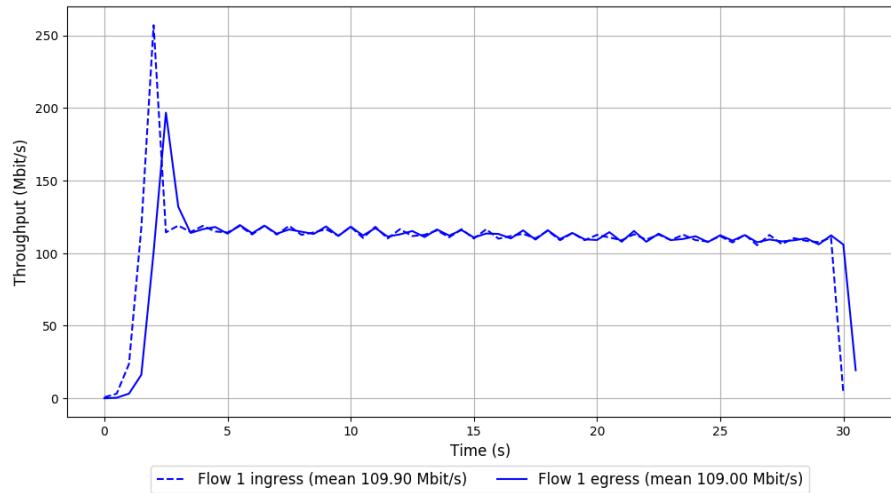


Run 5: Statistics of TCP Vegas

```
Start at: 2019-03-18 21:41:46
End at: 2019-03-18 21:42:16
Local clock offset: -0.985 ms
Remote clock offset: -28.651 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 109.00 Mbit/s
95th percentile per-packet one-way delay: 68.794 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 109.00 Mbit/s
95th percentile per-packet one-way delay: 68.794 ms
Loss rate: 0.83%
```

### Run 5: Report of TCP Vegas — Data Link

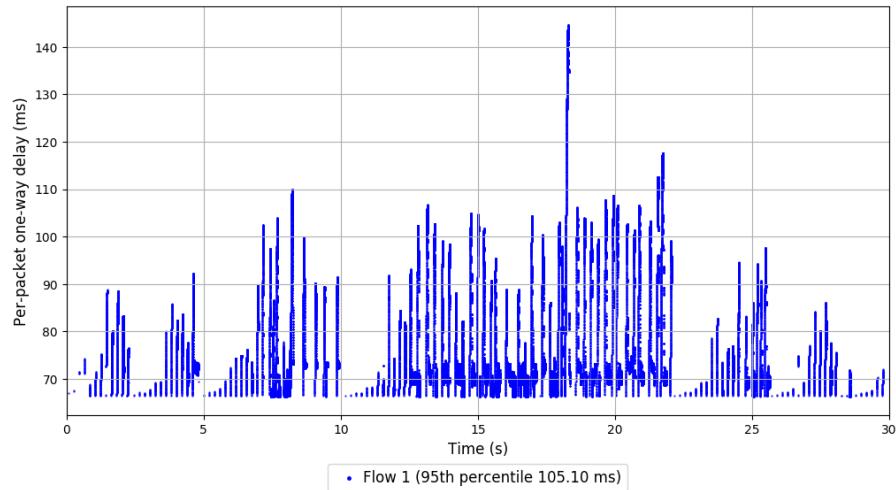
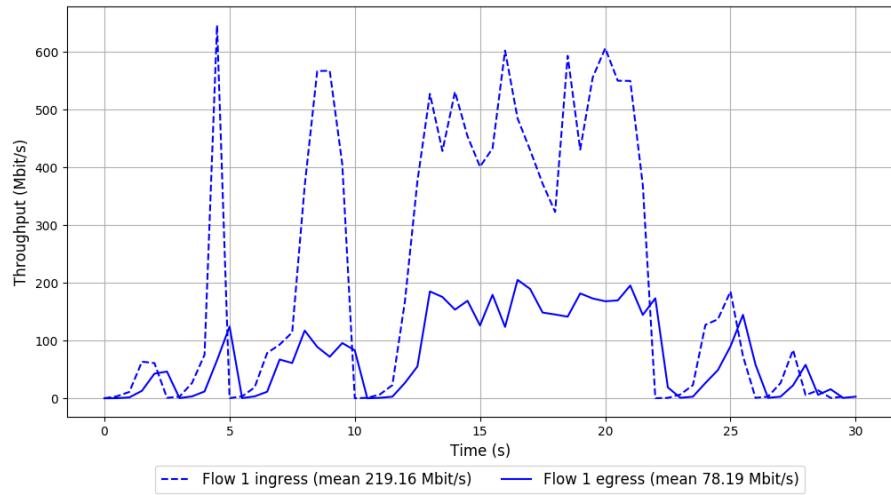


Run 1: Statistics of Verus

```
Start at: 2019-03-18 20:00:51
End at: 2019-03-18 20:01:21
Local clock offset: -1.311 ms
Remote clock offset: -32.908 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.19 Mbit/s
95th percentile per-packet one-way delay: 105.101 ms
Loss rate: 64.32%
-- Flow 1:
Average throughput: 78.19 Mbit/s
95th percentile per-packet one-way delay: 105.101 ms
Loss rate: 64.32%
```

Run 1: Report of Verus — Data Link

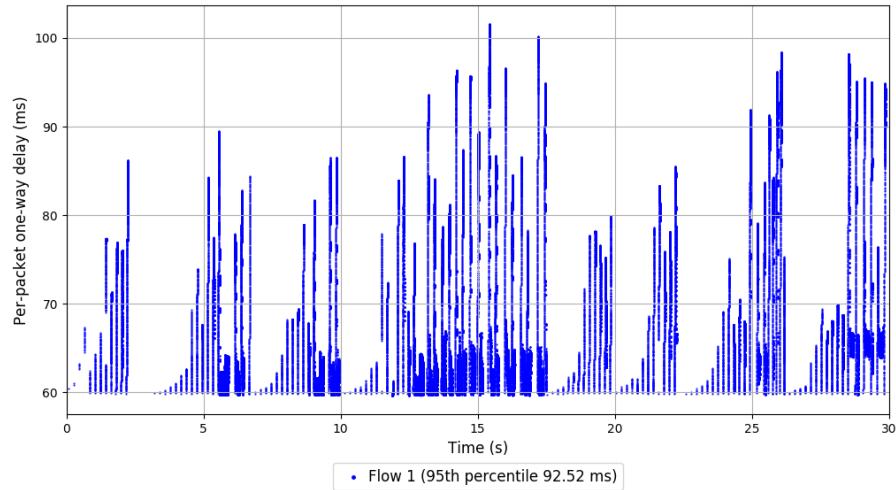
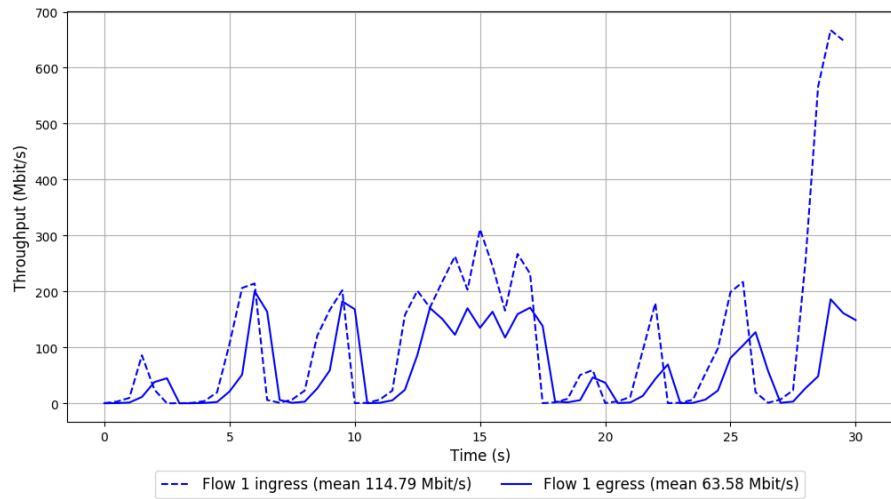


Run 2: Statistics of Verus

```
Start at: 2019-03-18 20:33:47
End at: 2019-03-18 20:34:17
Local clock offset: 0.713 ms
Remote clock offset: -37.619 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.58 Mbit/s
95th percentile per-packet one-way delay: 92.516 ms
Loss rate: 44.56%
-- Flow 1:
Average throughput: 63.58 Mbit/s
95th percentile per-packet one-way delay: 92.516 ms
Loss rate: 44.56%
```

## Run 2: Report of Verus — Data Link

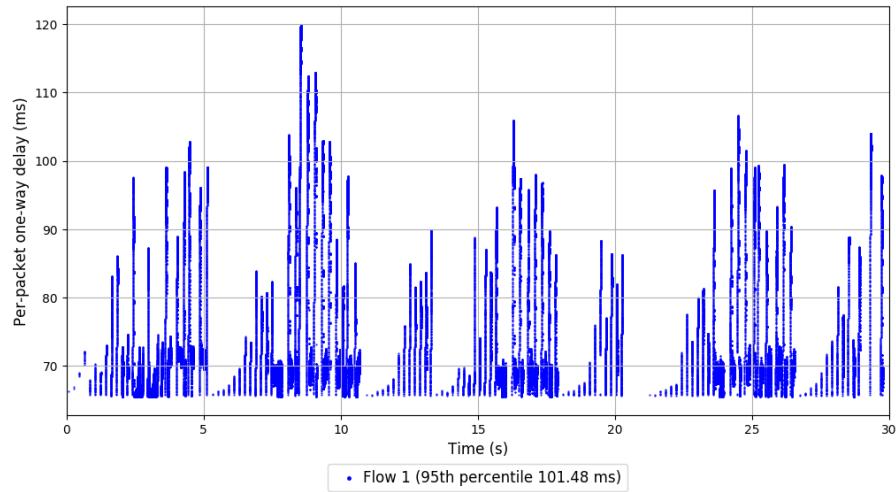
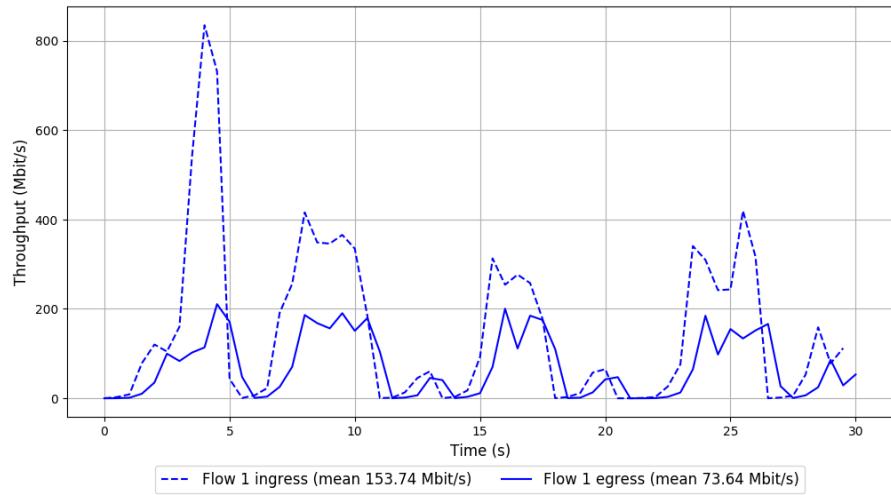


Run 3: Statistics of Verus

```
Start at: 2019-03-18 21:06:49
End at: 2019-03-18 21:07:19
Local clock offset: 0.205 ms
Remote clock offset: -30.11 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.64 Mbit/s
95th percentile per-packet one-way delay: 101.478 ms
Loss rate: 52.09%
-- Flow 1:
Average throughput: 73.64 Mbit/s
95th percentile per-packet one-way delay: 101.478 ms
Loss rate: 52.09%
```

### Run 3: Report of Verus — Data Link

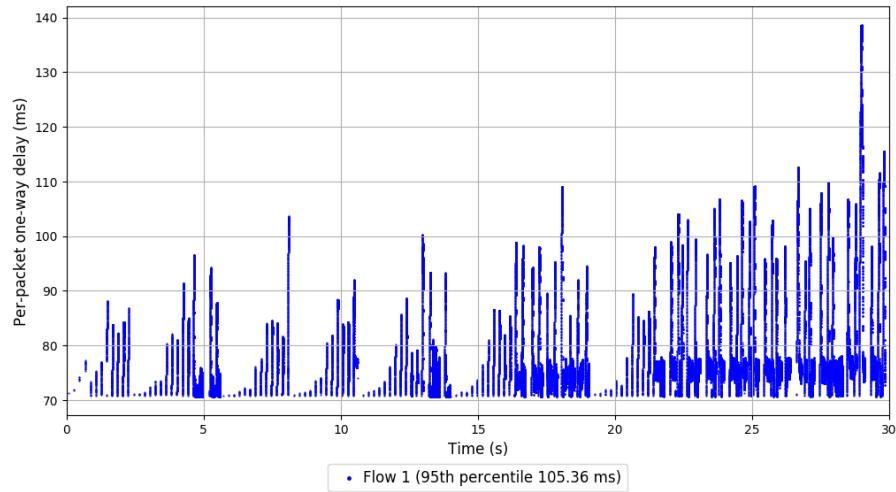
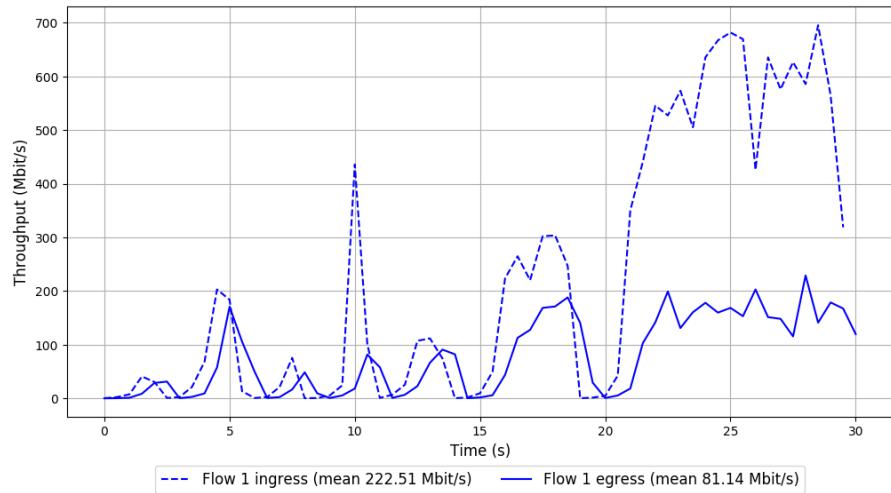


Run 4: Statistics of Verus

```
Start at: 2019-03-18 21:34:19
End at: 2019-03-18 21:34:49
Local clock offset: 0.273 ms
Remote clock offset: -24.475 ms

# Below is generated by plot.py at 2019-03-18 22:34:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.14 Mbit/s
95th percentile per-packet one-way delay: 105.362 ms
Loss rate: 63.53%
-- Flow 1:
Average throughput: 81.14 Mbit/s
95th percentile per-packet one-way delay: 105.362 ms
Loss rate: 63.53%
```

## Run 4: Report of Verus — Data Link

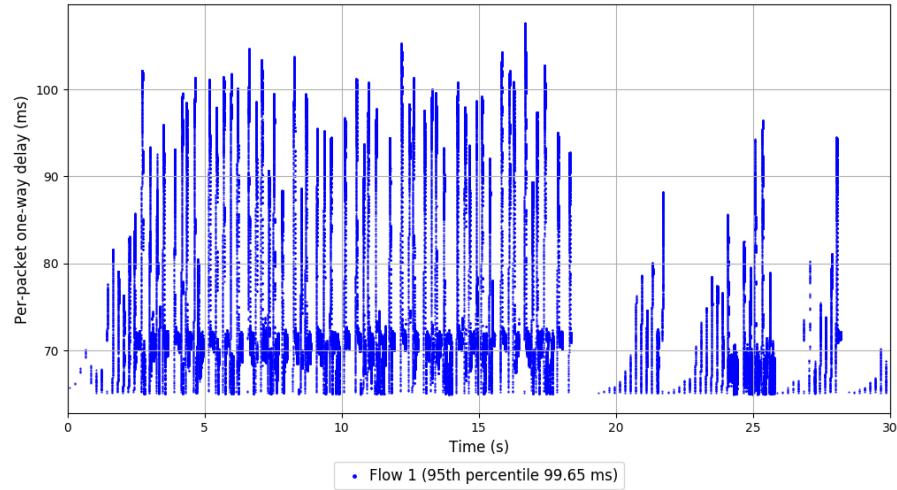
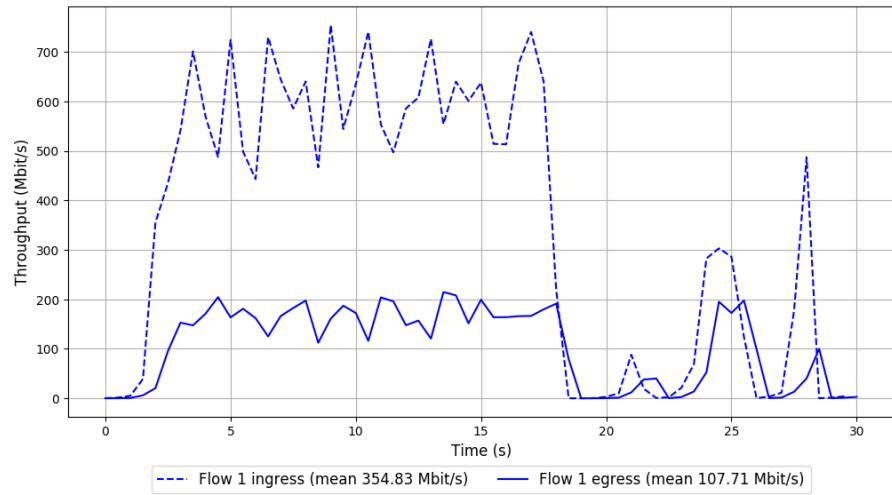


Run 5: Statistics of Verus

```
Start at: 2019-03-18 22:01:44
End at: 2019-03-18 22:02:14
Local clock offset: 0.532 ms
Remote clock offset: -27.815 ms

# Below is generated by plot.py at 2019-03-18 22:35:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 107.71 Mbit/s
95th percentile per-packet one-way delay: 99.649 ms
Loss rate: 69.64%
-- Flow 1:
Average throughput: 107.71 Mbit/s
95th percentile per-packet one-way delay: 99.649 ms
Loss rate: 69.64%
```

Run 5: Report of Verus — Data Link

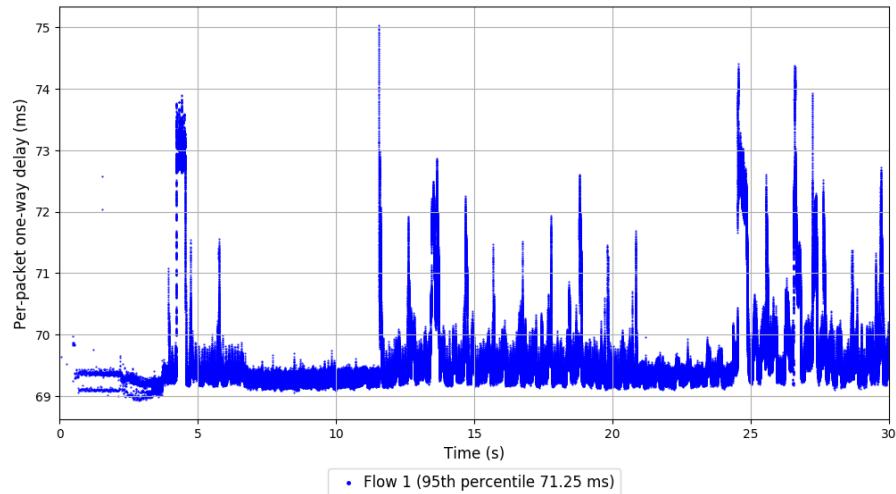
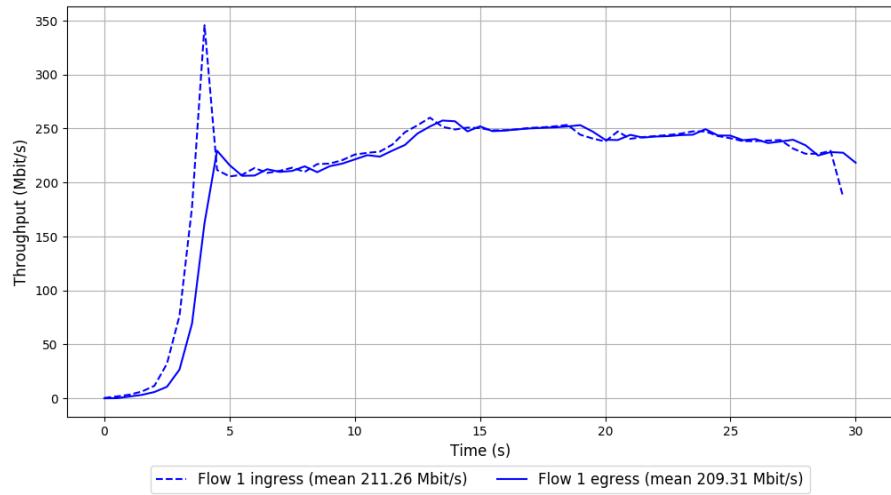


Run 1: Statistics of PCC-Vivace

```
Start at: 2019-03-18 19:25:38
End at: 2019-03-18 19:26:08
Local clock offset: 1.279 ms
Remote clock offset: -29.758 ms

# Below is generated by plot.py at 2019-03-18 22:35:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 209.31 Mbit/s
95th percentile per-packet one-way delay: 71.250 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 209.31 Mbit/s
95th percentile per-packet one-way delay: 71.250 ms
Loss rate: 0.93%
```

## Run 1: Report of PCC-Vivace — Data Link

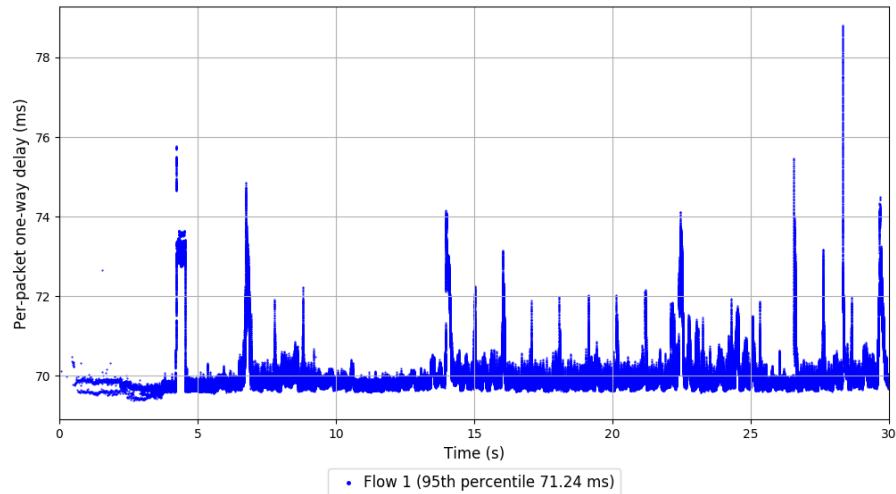
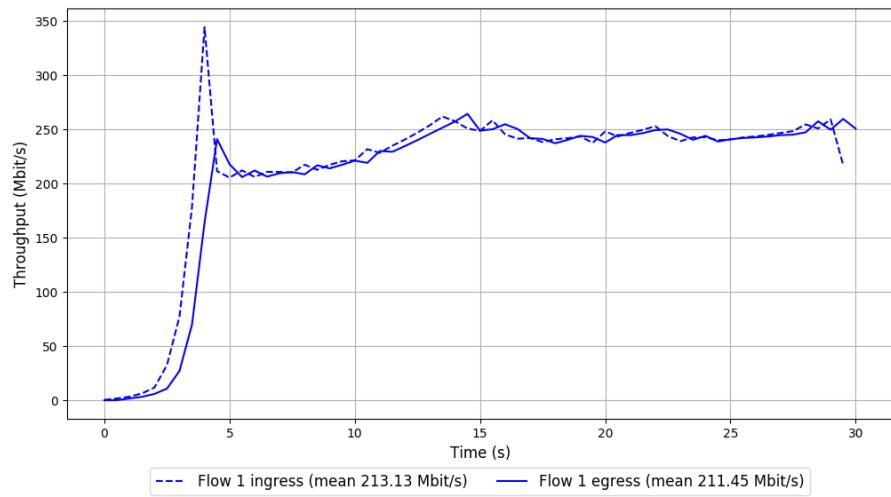


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-03-18 20:04:28
End at: 2019-03-18 20:04:59
Local clock offset: -4.588 ms
Remote clock offset: -32.819 ms

# Below is generated by plot.py at 2019-03-18 22:35:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.45 Mbit/s
95th percentile per-packet one-way delay: 71.239 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 211.45 Mbit/s
95th percentile per-packet one-way delay: 71.239 ms
Loss rate: 0.79%
```

## Run 2: Report of PCC-Vivace — Data Link

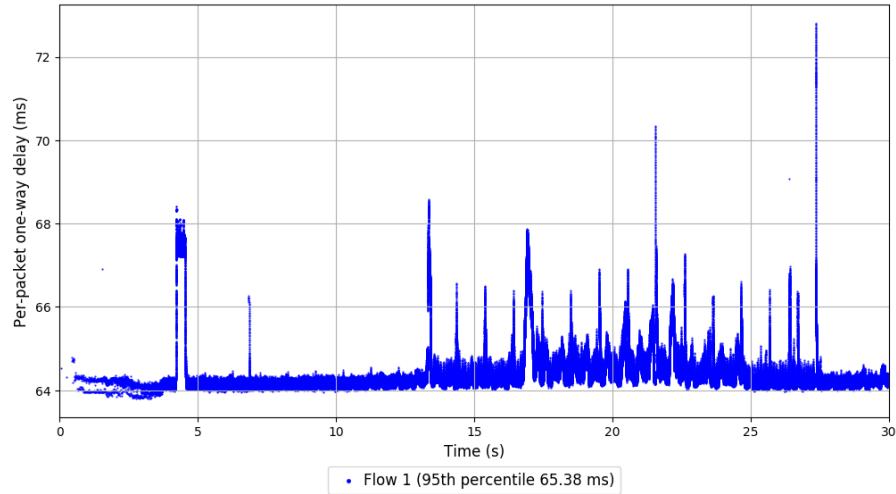
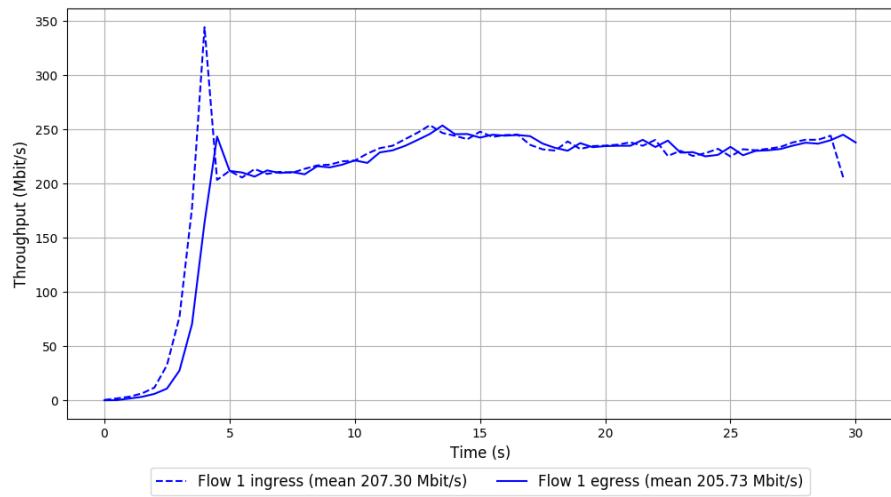


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-03-18 20:37:24
End at: 2019-03-18 20:37:54
Local clock offset: 2.745 ms
Remote clock offset: -30.922 ms

# Below is generated by plot.py at 2019-03-18 22:35:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.73 Mbit/s
95th percentile per-packet one-way delay: 65.382 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 205.73 Mbit/s
95th percentile per-packet one-way delay: 65.382 ms
Loss rate: 0.76%
```

### Run 3: Report of PCC-Vivace — Data Link

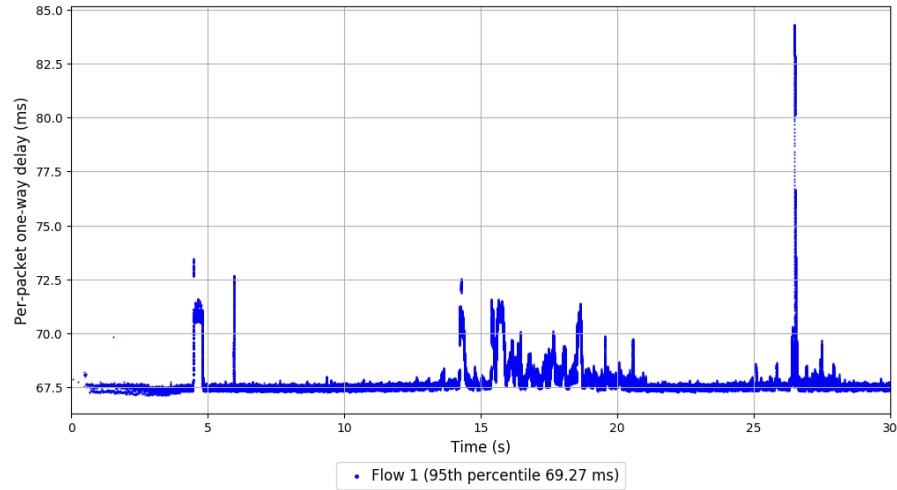
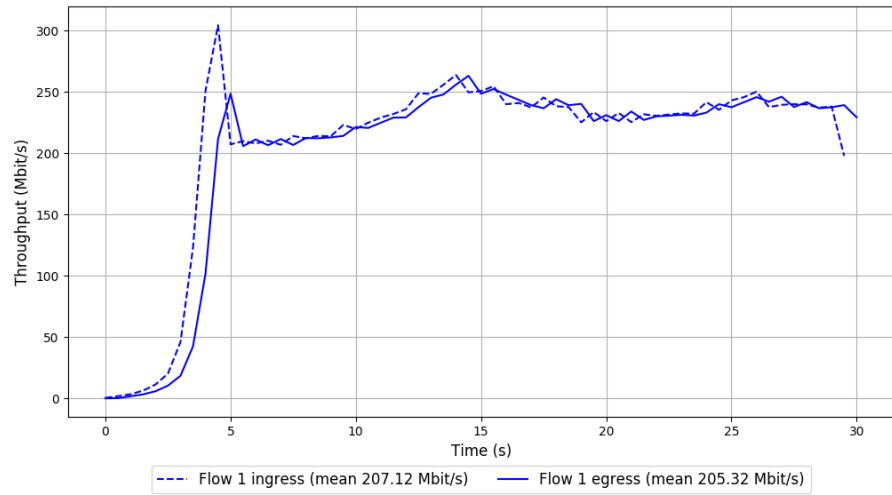


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-03-18 21:10:28
End at: 2019-03-18 21:10:58
Local clock offset: 1.834 ms
Remote clock offset: -28.723 ms

# Below is generated by plot.py at 2019-03-18 22:35:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.32 Mbit/s
95th percentile per-packet one-way delay: 69.268 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 205.32 Mbit/s
95th percentile per-packet one-way delay: 69.268 ms
Loss rate: 0.88%
```

Run 4: Report of PCC-Vivace — Data Link

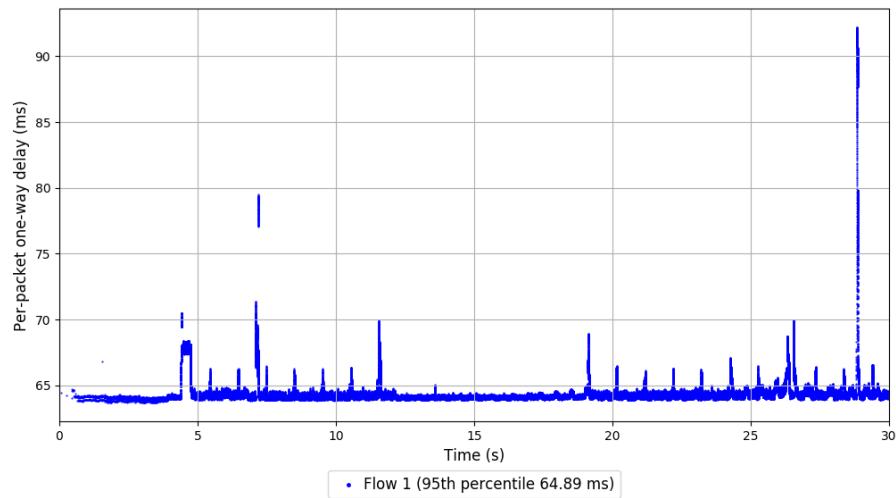
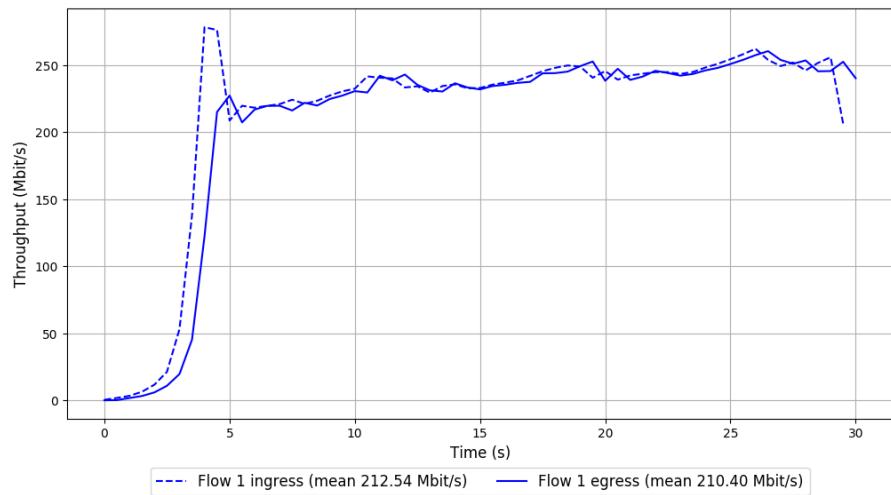


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-03-18 21:37:58
End at: 2019-03-18 21:38:28
Local clock offset: -0.433 ms
Remote clock offset: -29.266 ms

# Below is generated by plot.py at 2019-03-18 22:35:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.40 Mbit/s
95th percentile per-packet one-way delay: 64.889 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 210.40 Mbit/s
95th percentile per-packet one-way delay: 64.889 ms
Loss rate: 1.01%
```

Run 5: Report of PCC-Vivace — Data Link

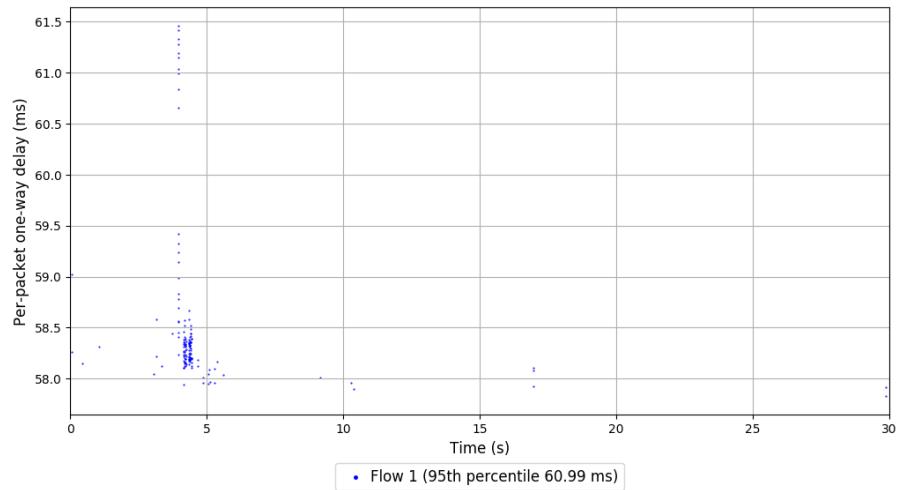
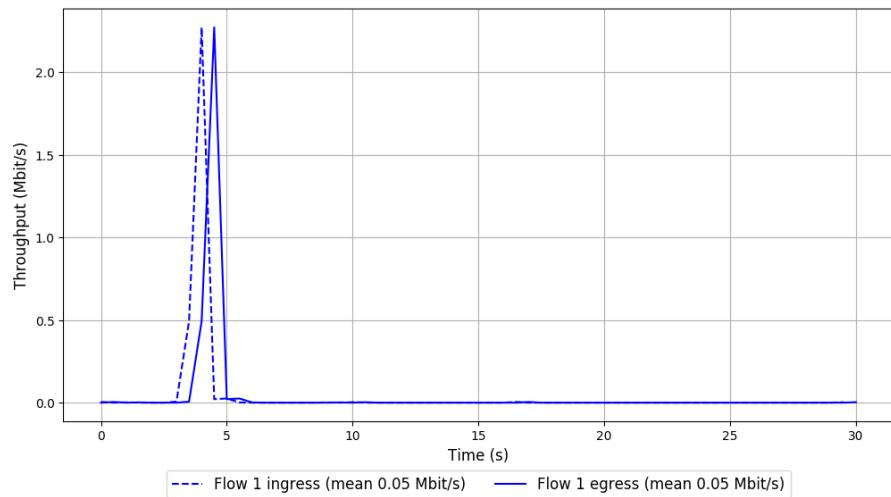


```
Run 1: Statistics of WebRTC media

Start at: 2019-03-18 19:47:36
End at: 2019-03-18 19:48:06
Local clock offset: 0.449 ms
Remote clock offset: -40.166 ms

# Below is generated by plot.py at 2019-03-18 22:35:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.993 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.993 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

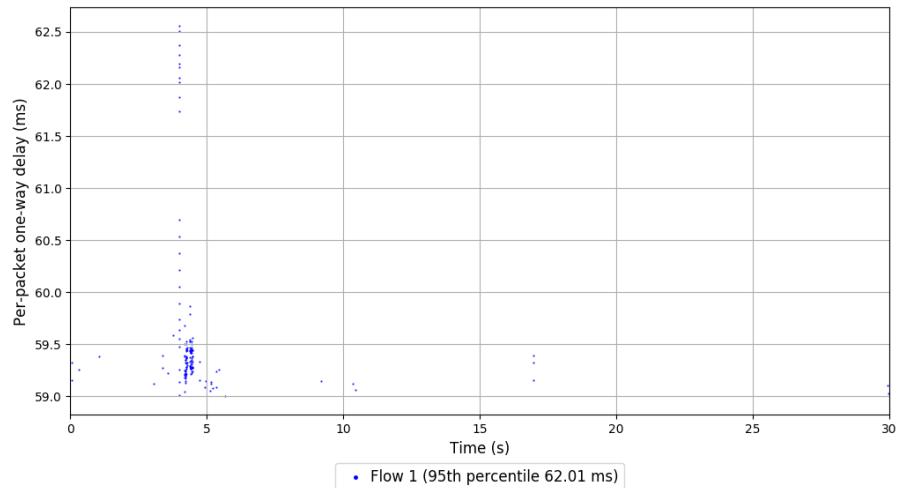
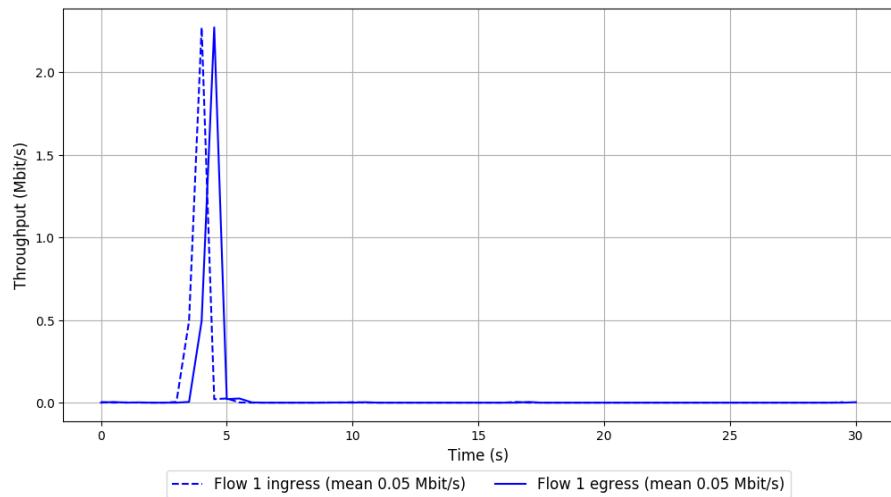


Run 2: Statistics of WebRTC media

```
Start at: 2019-03-18 20:20:41
End at: 2019-03-18 20:21:11
Local clock offset: 1.204 ms
Remote clock offset: -38.333 ms

# Below is generated by plot.py at 2019-03-18 22:35:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.011 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.011 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

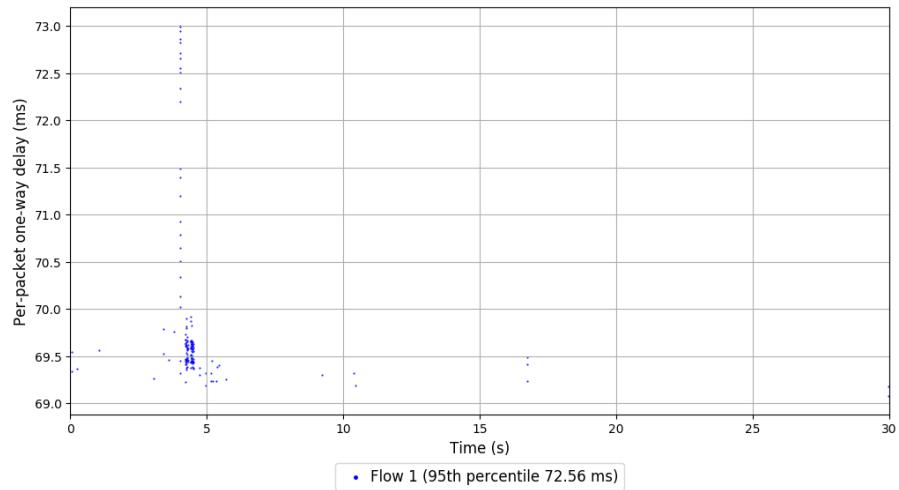
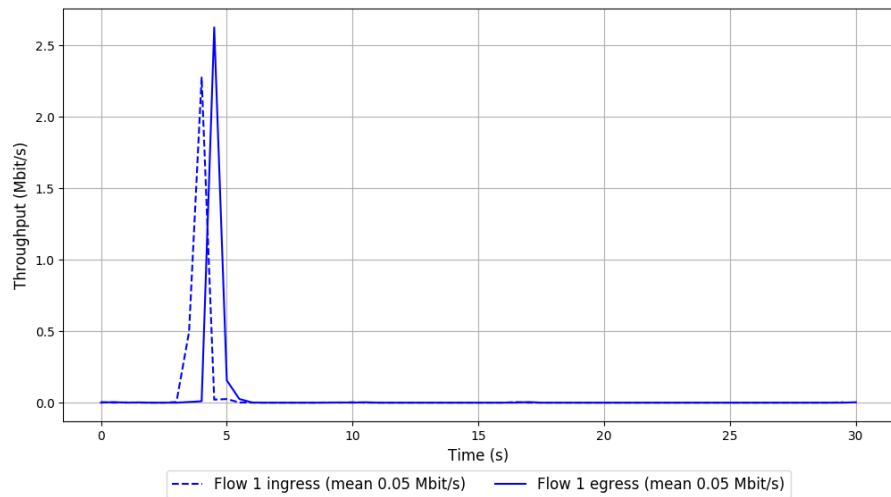


```
Run 3: Statistics of WebRTC media

Start at: 2019-03-18 20:48:05
End at: 2019-03-18 20:48:35
Local clock offset: 1.464 ms
Remote clock offset: -26.326 ms

# Below is generated by plot.py at 2019-03-18 22:35:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 72.556 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 72.556 ms
Loss rate: 0.00%
```

### Run 3: Report of WebRTC media — Data Link

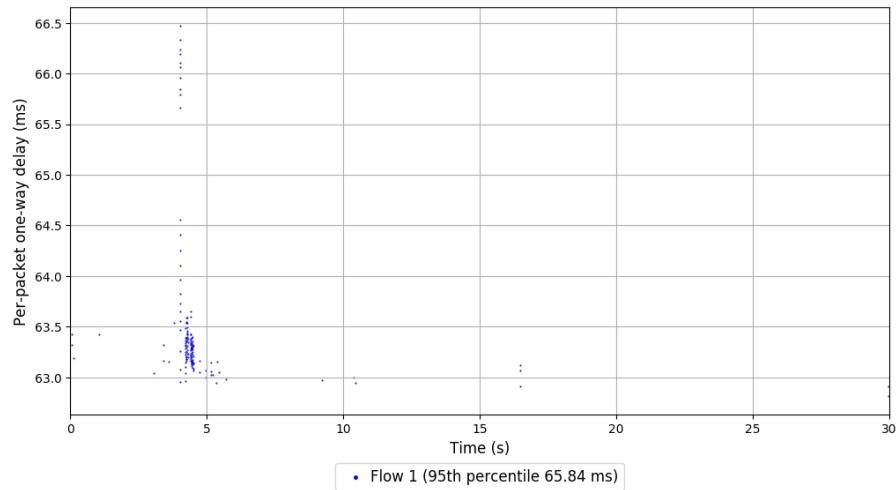
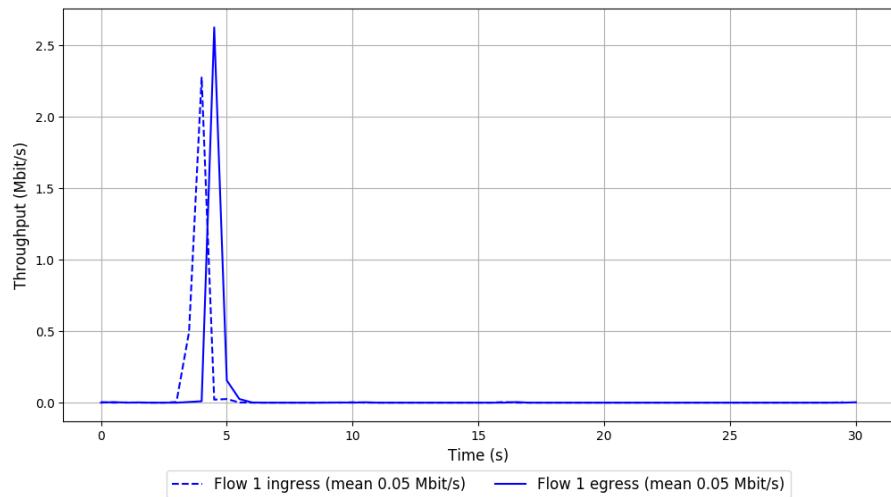


Run 4: Statistics of WebRTC media

```
Start at: 2019-03-18 21:21:10
End at: 2019-03-18 21:21:40
Local clock offset: 1.531 ms
Remote clock offset: -29.922 ms

# Below is generated by plot.py at 2019-03-18 22:35:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 65.845 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 65.845 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-03-18 21:48:36
End at: 2019-03-18 21:49:06
Local clock offset: -1.019 ms
Remote clock offset: -34.001 ms

# Below is generated by plot.py at 2019-03-18 22:35:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 65.304 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 65.304 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

