

## Pantheon Report

Generated at 2019-01-25 12:54:58 (UTC).  
Data path: Brazil on p4p1 (*remote*) → AWS Brazil 1 on ens5 (*local*).  
Repeated the test of 21 congestion control schemes 5 times.  
Each test lasted for 30 seconds running 1 flow.  
NTP offsets were measured against gps.ntp.br and have been applied to correct the timestamps in logs.

System info:

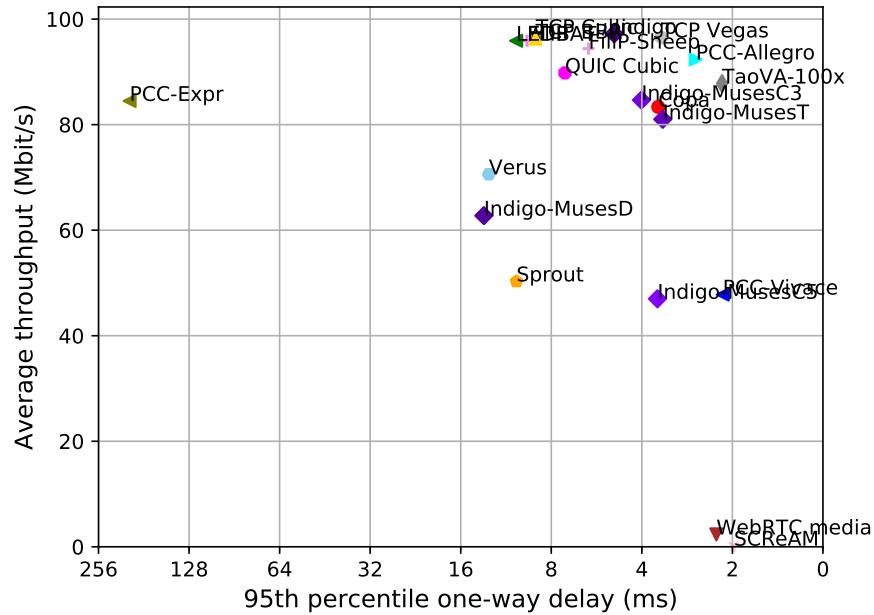
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

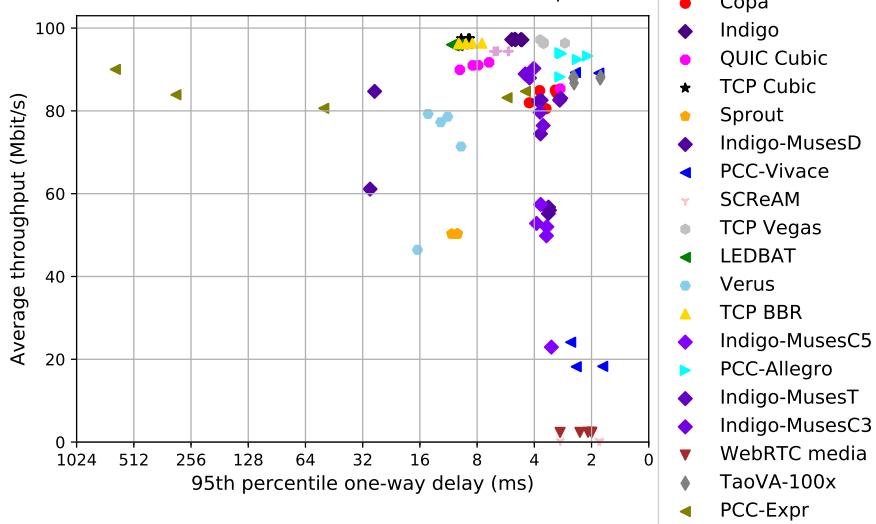
```
branch: muses @ 0b8e9a949603c3842368430acf469eec3b941f9f
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ d9c5ea33091330aca25ecd105ab2db6d34d5c40d
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third\_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

test from Brazil to AWS Brazil 1, 5 runs of 30s each per scheme  
(mean of all runs by scheme)



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



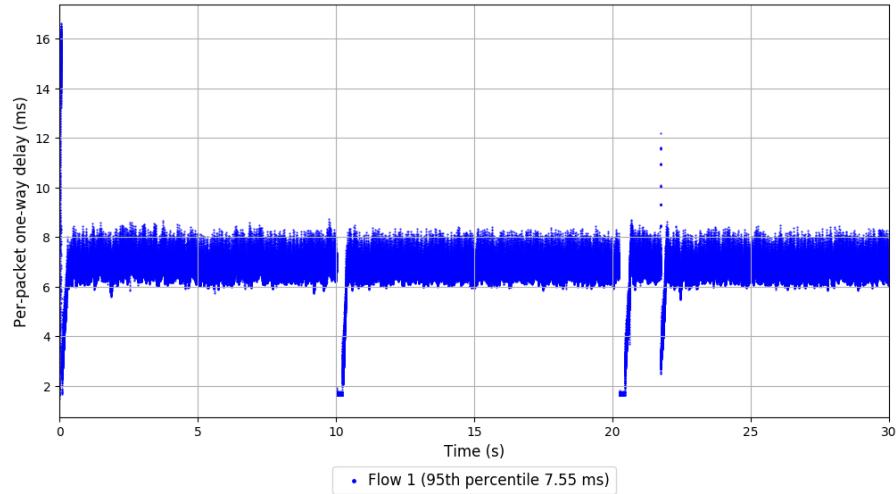
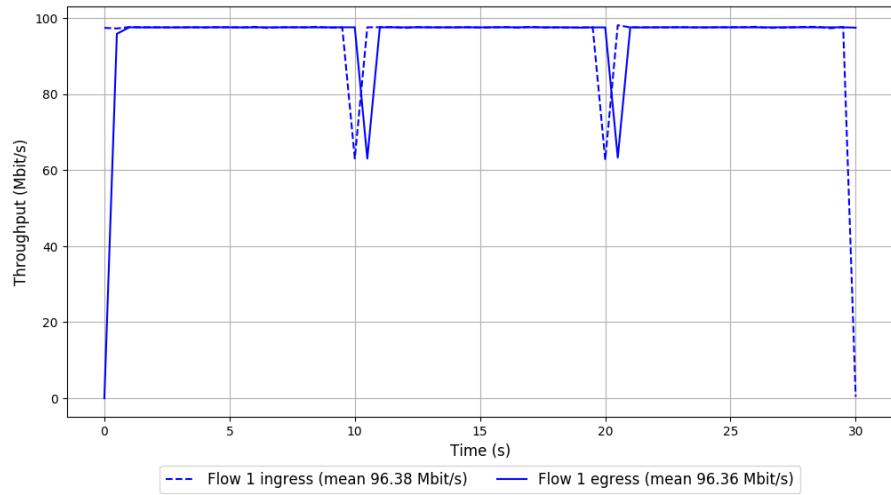
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	96.30	9.02	0.08
Copa	5	83.36	3.53	0.02
TCP Cubic	5	97.15	9.01	0.05
FillP	5	95.92	9.63	0.03
FillP-Sheep	5	94.40	6.02	0.02
Indigo	5	97.22	4.94	0.02
Indigo-MusesC3	5	84.66	4.01	0.02
Indigo-MusesC5	5	47.00	3.55	0.01
Indigo-MusesD	5	62.76	13.41	0.36
Indigo-MusesT	5	81.01	3.41	0.02
LEDBAT	5	95.89	10.47	0.08
PCC-Allegro	5	92.35	2.65	0.02
PCC-Expr	5	84.49	201.83	1.15
QUIC Cubic	5	89.81	7.21	0.02
SCReAM	5	0.22	1.97	0.00
Sprout	5	50.29	10.44	0.03
TaoVA-100x	5	87.79	2.17	0.02
TCP Vegas	5	96.55	3.45	0.01
Verus	5	70.59	12.91	0.04
PCC-Vivace	5	47.80	2.15	0.02
WebRTC media	5	2.35	2.26	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-01-25 10:56:19
End at: 2019-01-25 10:56:49
Local clock offset: 1.373 ms
Remote clock offset: 0.063 ms

# Below is generated by plot.py at 2019-01-25 12:42:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 7.548 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 7.548 ms
Loss rate: 0.03%
```

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

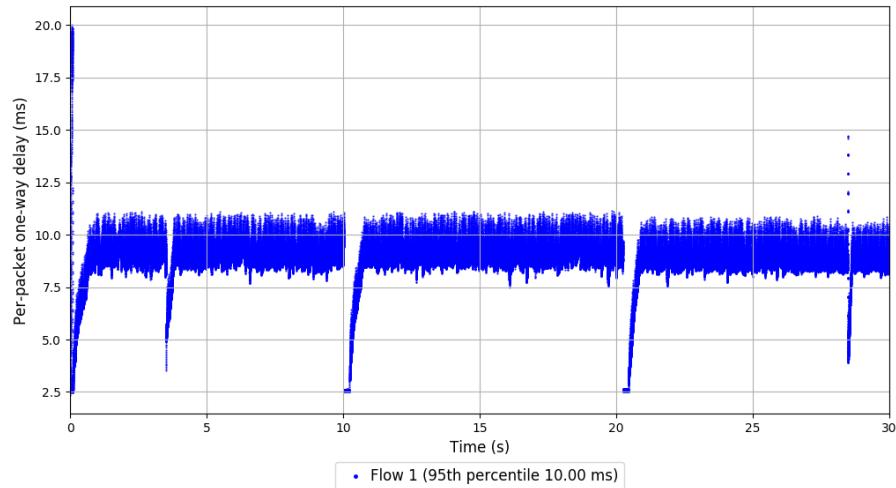
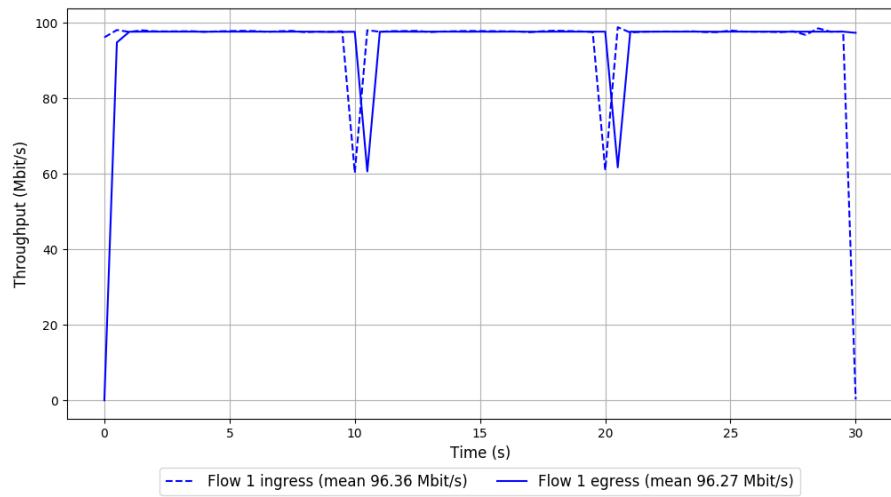


Run 2: Statistics of TCP BBR

```
Start at: 2019-01-25 11:20:01
End at: 2019-01-25 11:20:31
Local clock offset: -2.916 ms
Remote clock offset: 0.398 ms

# Below is generated by plot.py at 2019-01-25 12:42:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 9.999 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 9.999 ms
Loss rate: 0.11%
```

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

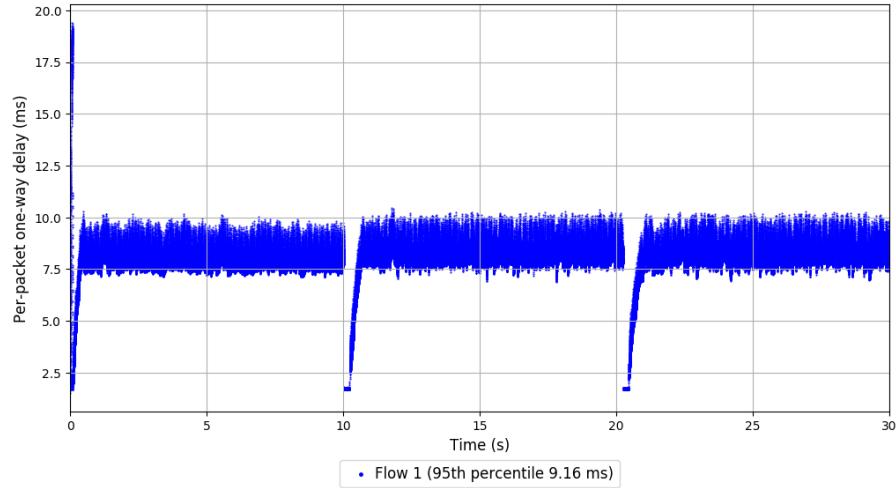
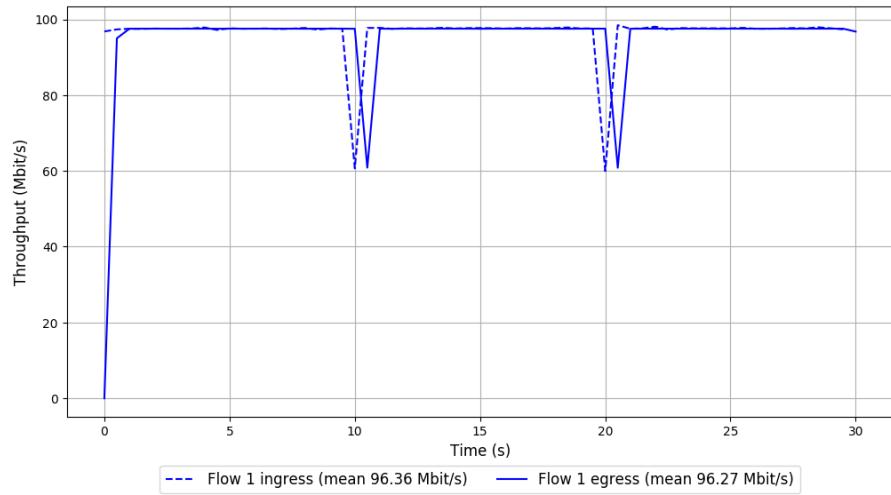


Run 3: Statistics of TCP BBR

```
Start at: 2019-01-25 11:43:44
End at: 2019-01-25 11:44:14
Local clock offset: -3.82 ms
Remote clock offset: 0.765 ms

# Below is generated by plot.py at 2019-01-25 12:42:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 9.162 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 96.27 Mbit/s
95th percentile per-packet one-way delay: 9.162 ms
Loss rate: 0.11%
```

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

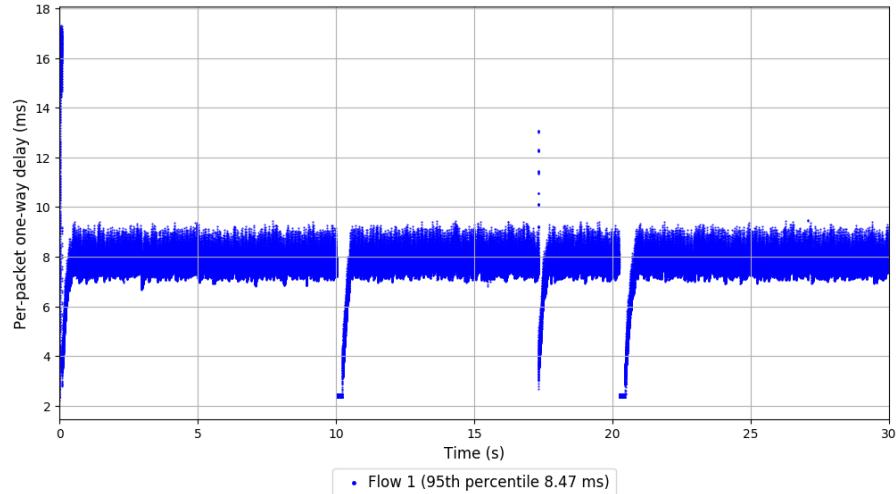
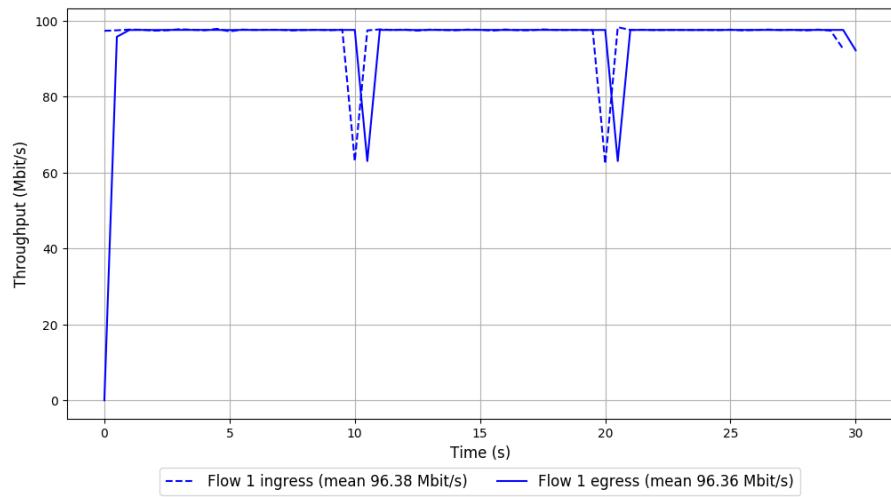


Run 4: Statistics of TCP BBR

```
Start at: 2019-01-25 12:07:24
End at: 2019-01-25 12:07:54
Local clock offset: -2.913 ms
Remote clock offset: 1.033 ms

# Below is generated by plot.py at 2019-01-25 12:42:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 8.474 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 96.36 Mbit/s
95th percentile per-packet one-way delay: 8.474 ms
Loss rate: 0.03%
```

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

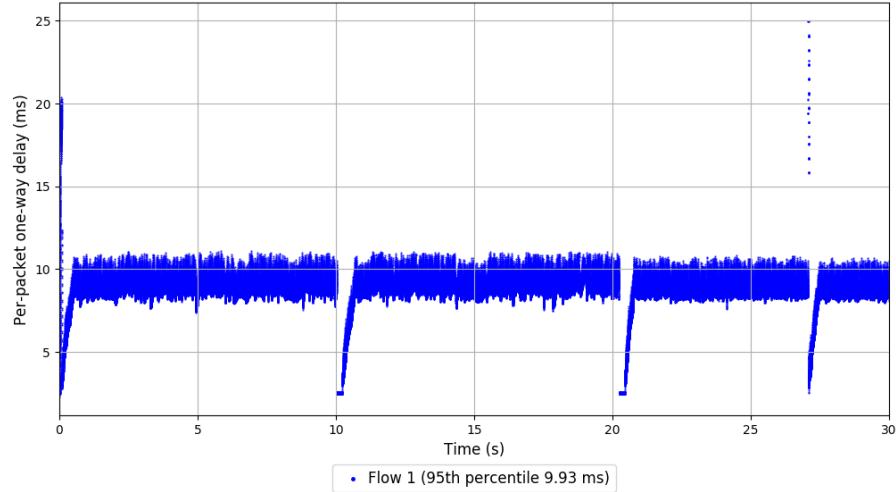
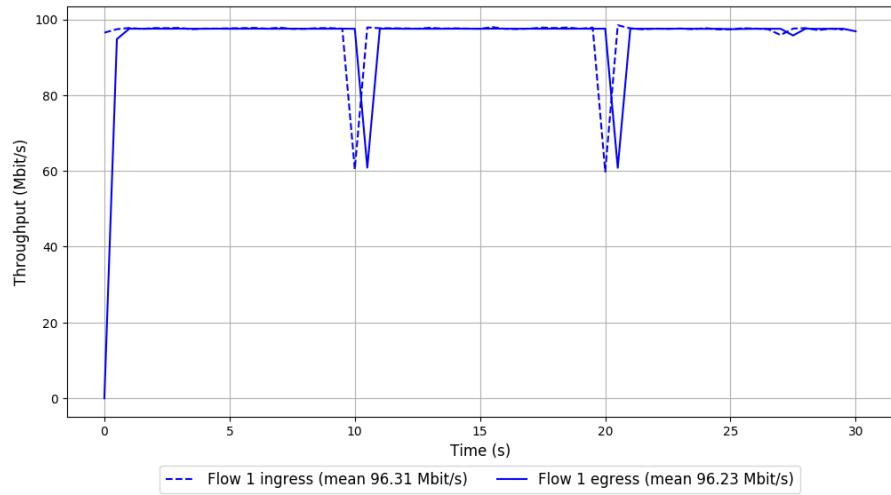


Run 5: Statistics of TCP BBR

```
Start at: 2019-01-25 12:31:08
End at: 2019-01-25 12:31:38
Local clock offset: -3.051 ms
Remote clock offset: 0.982 ms

# Below is generated by plot.py at 2019-01-25 12:42:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 9.934 ms
Loss rate: 0.10%
-- Flow 1:
Average throughput: 96.23 Mbit/s
95th percentile per-packet one-way delay: 9.934 ms
Loss rate: 0.10%
```

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

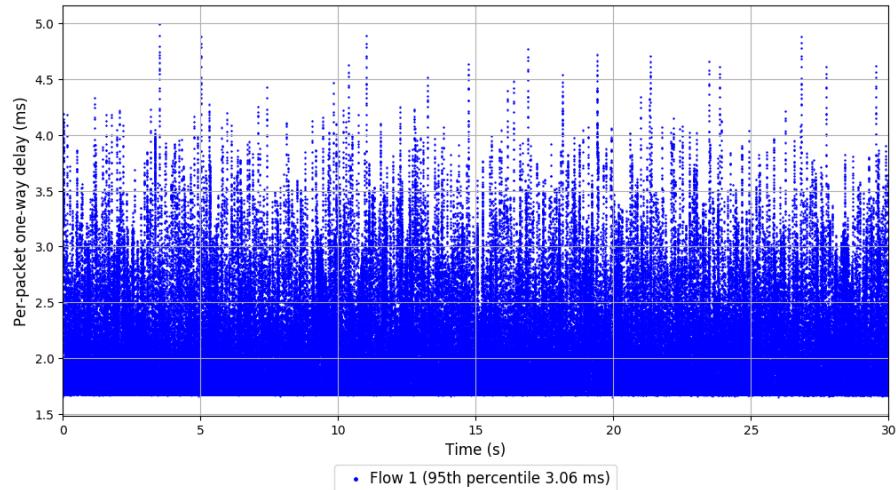
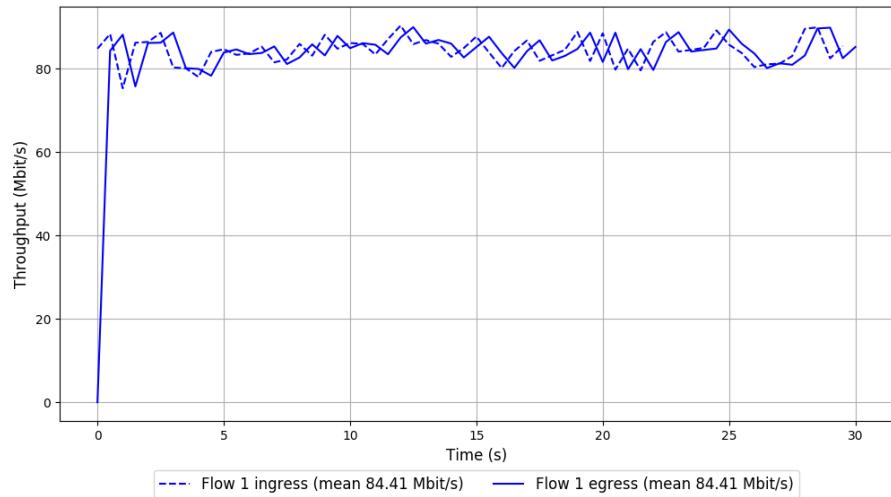


Run 1: Statistics of Copa

```
Start at: 2019-01-25 10:44:58
End at: 2019-01-25 10:45:28
Local clock offset: 1.003 ms
Remote clock offset: -0.158 ms

# Below is generated by plot.py at 2019-01-25 12:43:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.41 Mbit/s
95th percentile per-packet one-way delay: 3.061 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 84.41 Mbit/s
95th percentile per-packet one-way delay: 3.061 ms
Loss rate: 0.01%
```

Run 1: Report of Copa — Data Link

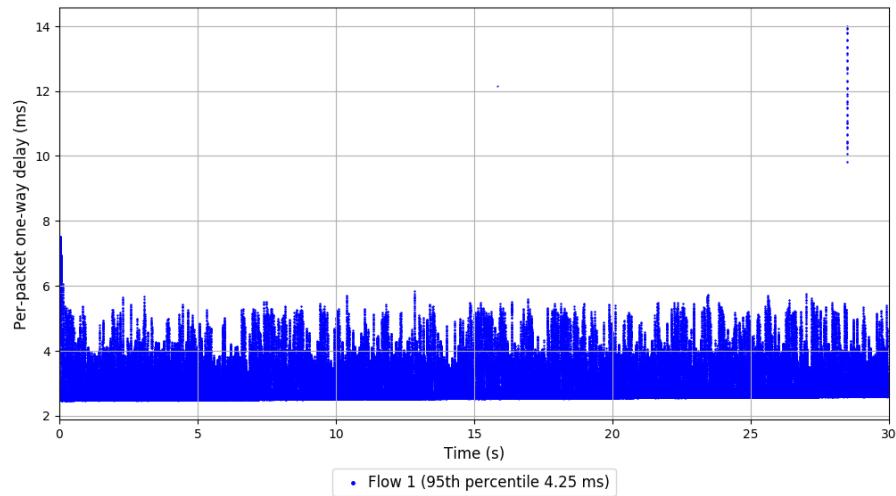
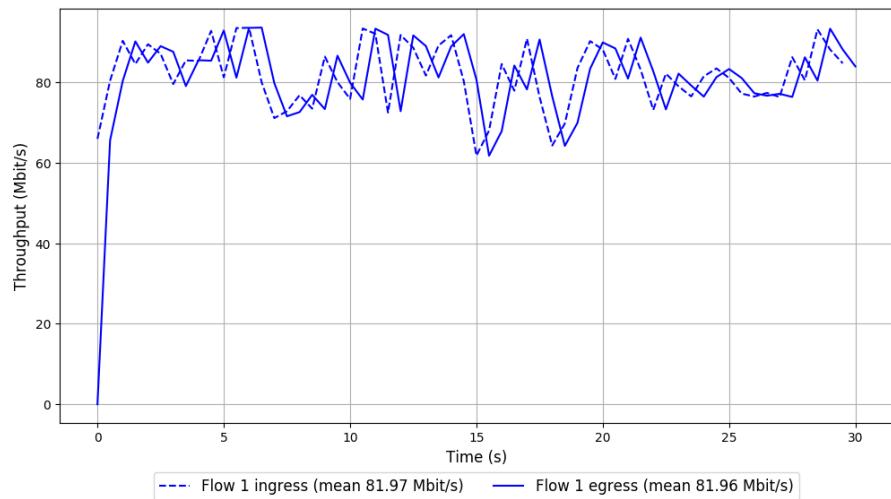


Run 2: Statistics of Copa

```
Start at: 2019-01-25 11:08:40
End at: 2019-01-25 11:09:10
Local clock offset: -1.316 ms
Remote clock offset: 0.24 ms

# Below is generated by plot.py at 2019-01-25 12:43:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.96 Mbit/s
95th percentile per-packet one-way delay: 4.250 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 81.96 Mbit/s
95th percentile per-packet one-way delay: 4.250 ms
Loss rate: 0.03%
```

## Run 2: Report of Copa — Data Link

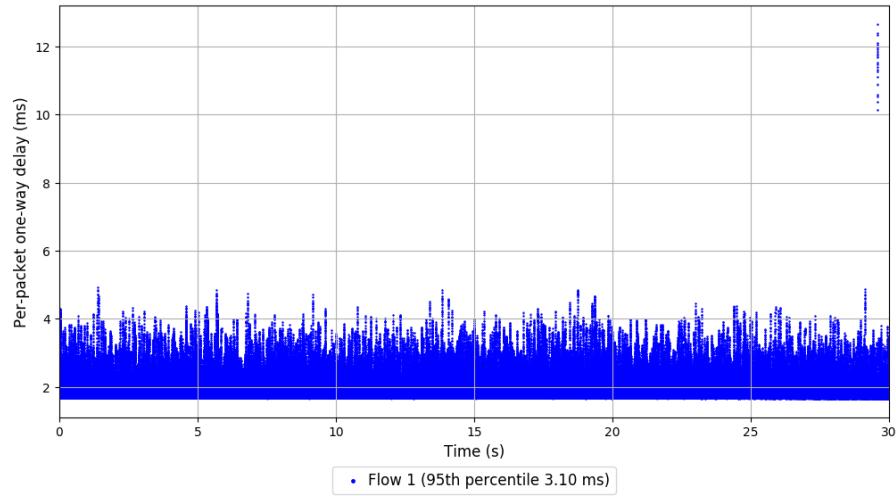
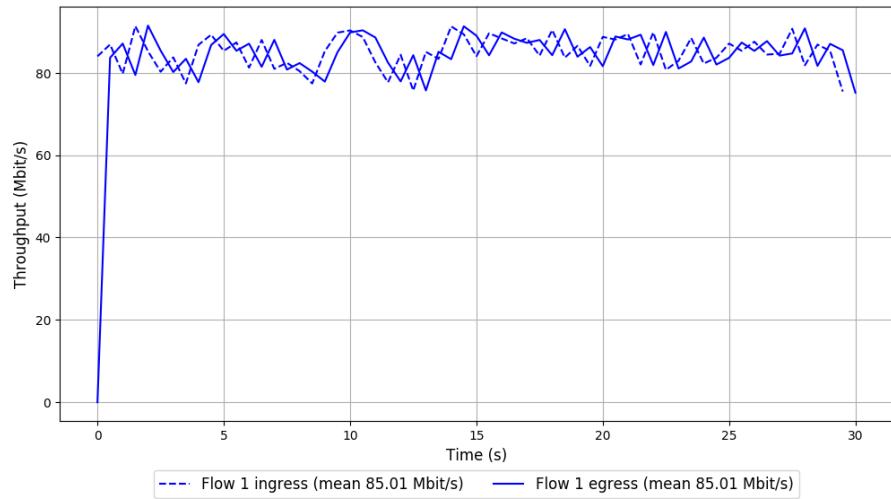


Run 3: Statistics of Copa

```
Start at: 2019-01-25 11:32:20
End at: 2019-01-25 11:32:50
Local clock offset: -4.098 ms
Remote clock offset: 0.529 ms

# Below is generated by plot.py at 2019-01-25 12:43:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 3.103 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 85.01 Mbit/s
95th percentile per-packet one-way delay: 3.103 ms
Loss rate: 0.01%
```

### Run 3: Report of Copa — Data Link

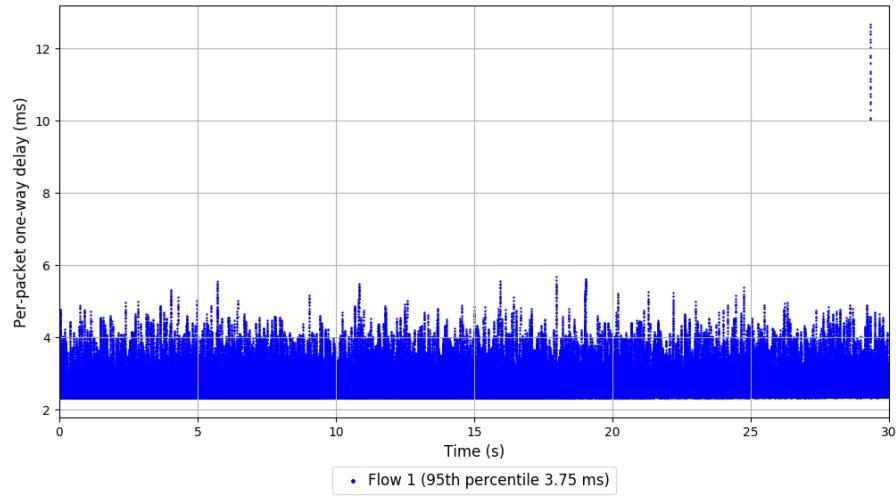
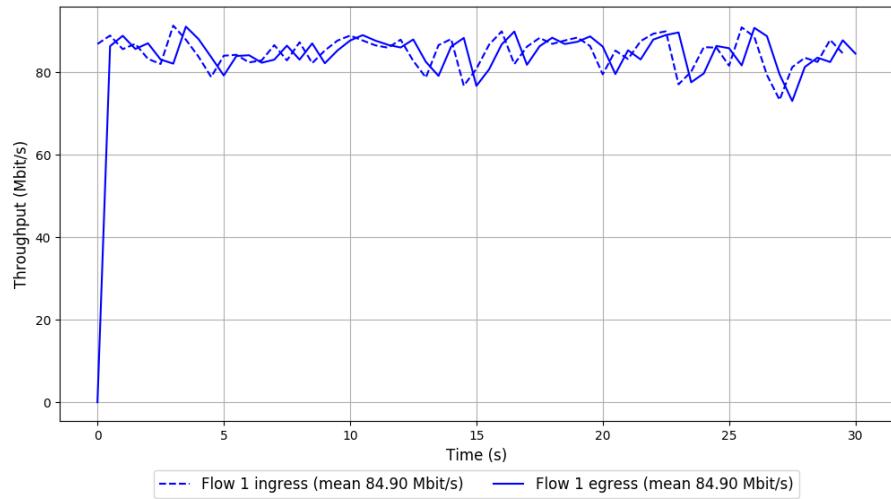


Run 4: Statistics of Copa

```
Start at: 2019-01-25 11:56:03
End at: 2019-01-25 11:56:33
Local clock offset: -3.171 ms
Remote clock offset: 0.917 ms

# Below is generated by plot.py at 2019-01-25 12:44:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.90 Mbit/s
95th percentile per-packet one-way delay: 3.750 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 84.90 Mbit/s
95th percentile per-packet one-way delay: 3.750 ms
Loss rate: 0.01%
```

### Run 4: Report of Copa — Data Link

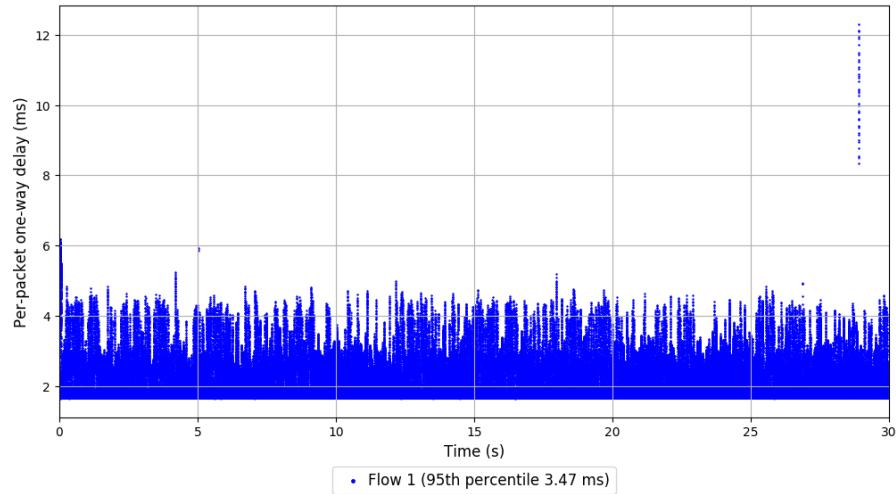
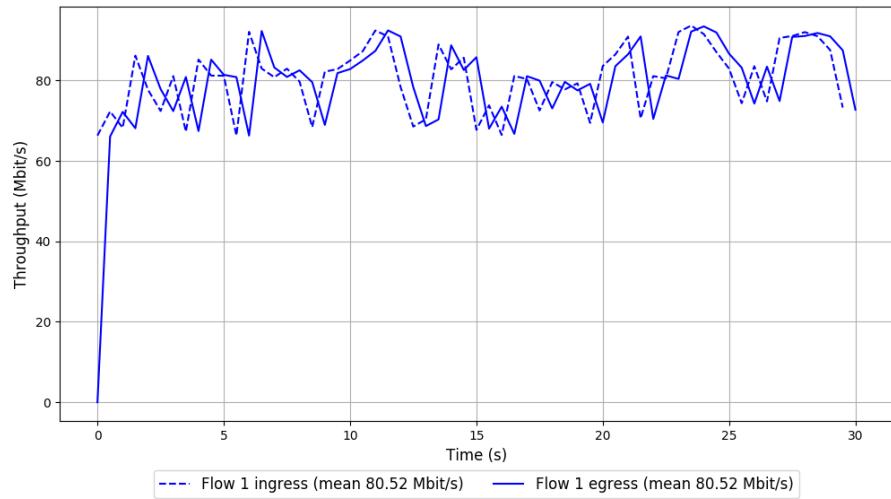


Run 5: Statistics of Copa

```
Start at: 2019-01-25 12:19:44
End at: 2019-01-25 12:20:14
Local clock offset: -3.605 ms
Remote clock offset: 1.039 ms

# Below is generated by plot.py at 2019-01-25 12:44:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.52 Mbit/s
95th percentile per-packet one-way delay: 3.472 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 80.52 Mbit/s
95th percentile per-packet one-way delay: 3.472 ms
Loss rate: 0.02%
```

### Run 5: Report of Copa — Data Link

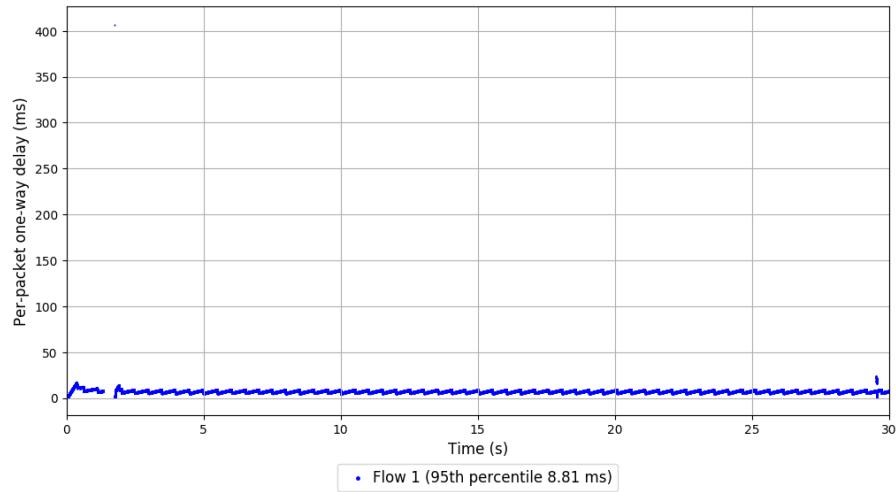
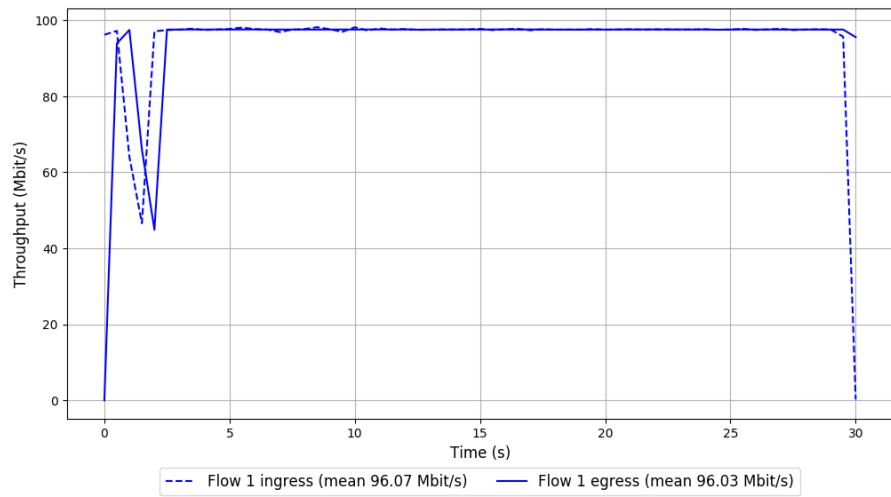


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-01-25 10:49:36
End at: 2019-01-25 10:50:06
Local clock offset: 1.064 ms
Remote clock offset: -0.0 ms

# Below is generated by plot.py at 2019-01-25 12:44:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 8.813 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 8.813 ms
Loss rate: 0.06%
```

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

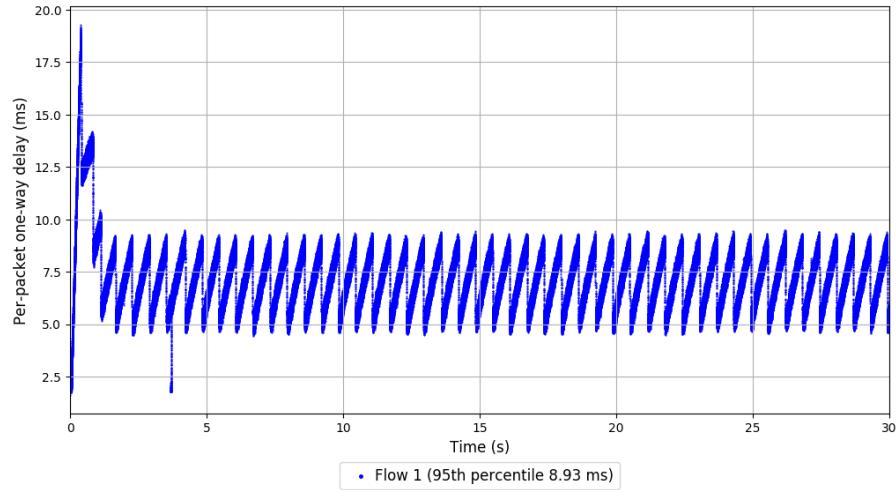
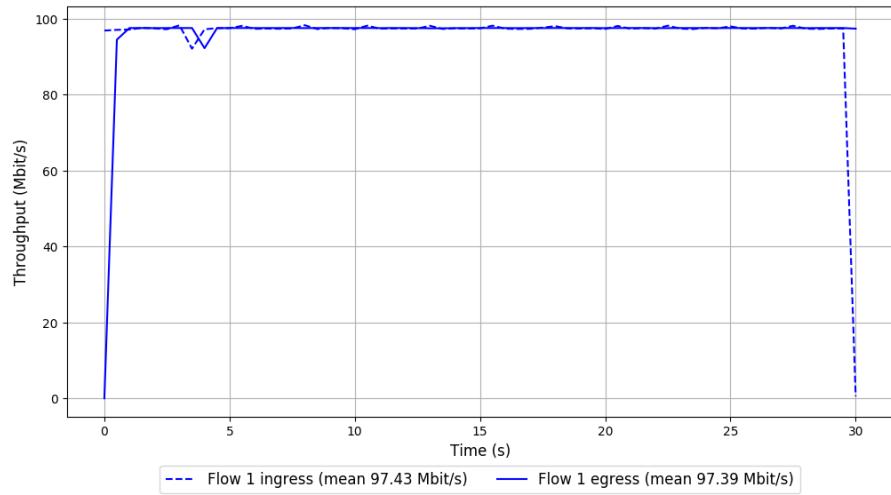


Run 2: Statistics of TCP Cubic

```
Start at: 2019-01-25 11:13:18
End at: 2019-01-25 11:13:48
Local clock offset: -2.931 ms
Remote clock offset: 0.262 ms

# Below is generated by plot.py at 2019-01-25 12:44:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 8.929 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.39 Mbit/s
95th percentile per-packet one-way delay: 8.929 ms
Loss rate: 0.05%
```

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

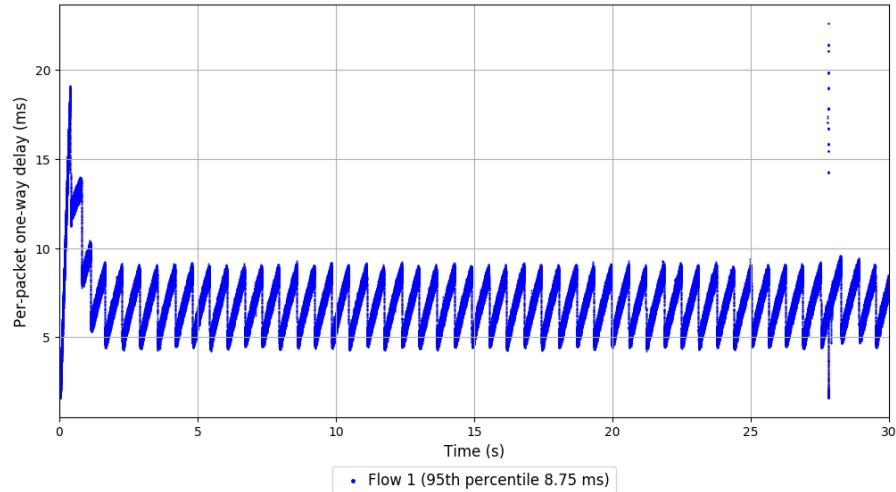
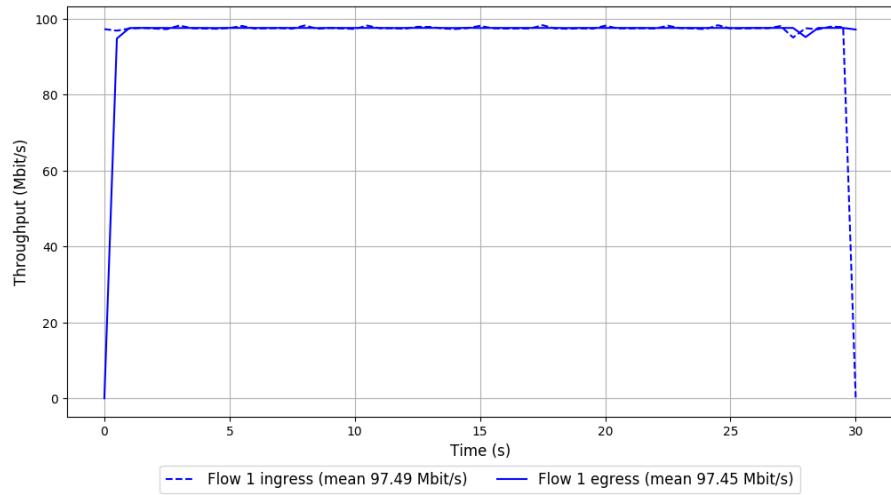


Run 3: Statistics of TCP Cubic

```
Start at: 2019-01-25 11:36:58
End at: 2019-01-25 11:37:28
Local clock offset: -3.905 ms
Remote clock offset: 0.718 ms

# Below is generated by plot.py at 2019-01-25 12:44:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 8.753 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 97.45 Mbit/s
95th percentile per-packet one-way delay: 8.753 ms
Loss rate: 0.06%
```

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

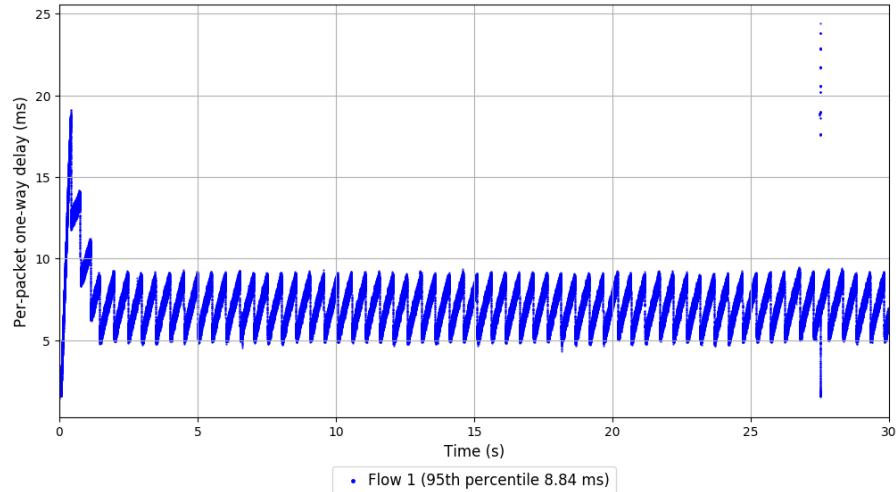
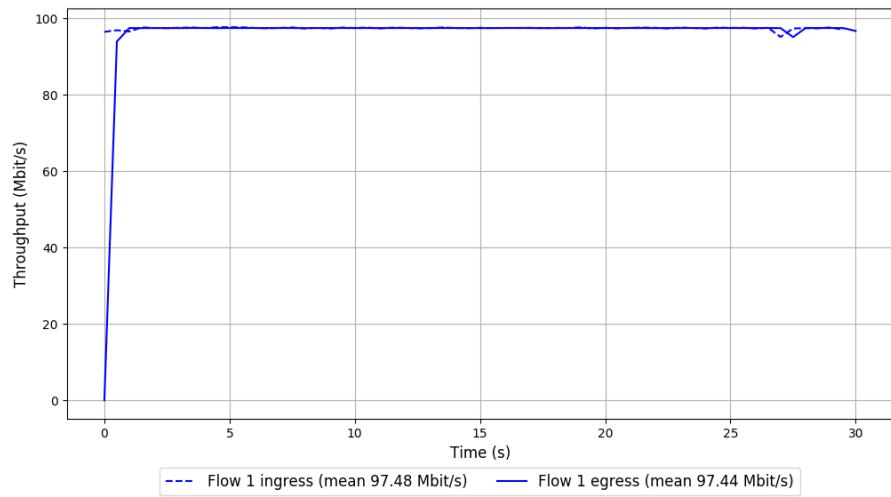


Run 4: Statistics of TCP Cubic

```
Start at: 2019-01-25 12:00:42
End at: 2019-01-25 12:01:12
Local clock offset: -3.913 ms
Remote clock offset: 0.955 ms

# Below is generated by plot.py at 2019-01-25 12:44:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 8.841 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.44 Mbit/s
95th percentile per-packet one-way delay: 8.841 ms
Loss rate: 0.05%
```

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

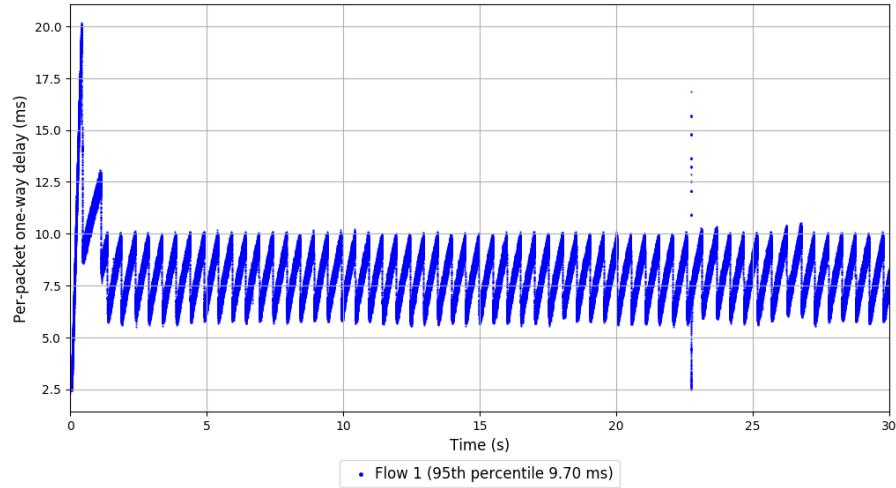
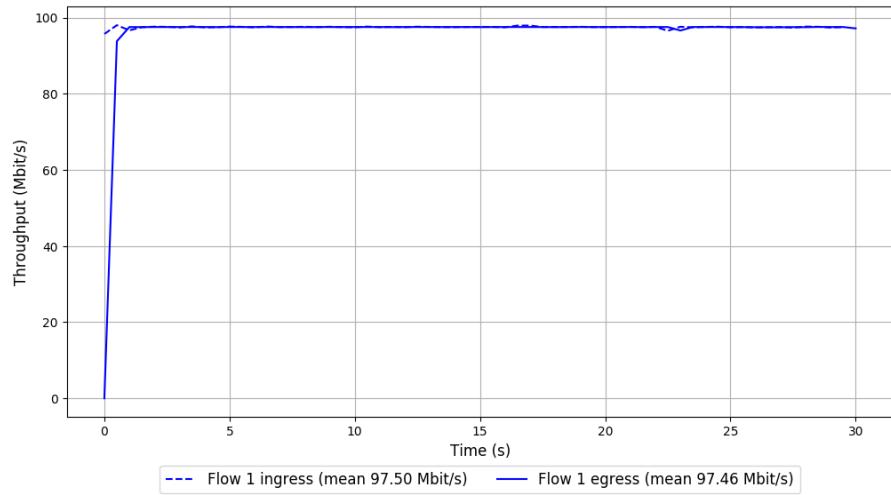


Run 5: Statistics of TCP Cubic

```
Start at: 2019-01-25 12:24:22
End at: 2019-01-25 12:24:52
Local clock offset: -2.917 ms
Remote clock offset: 0.948 ms

# Below is generated by plot.py at 2019-01-25 12:44:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 9.700 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 97.46 Mbit/s
95th percentile per-packet one-way delay: 9.700 ms
Loss rate: 0.05%
```

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

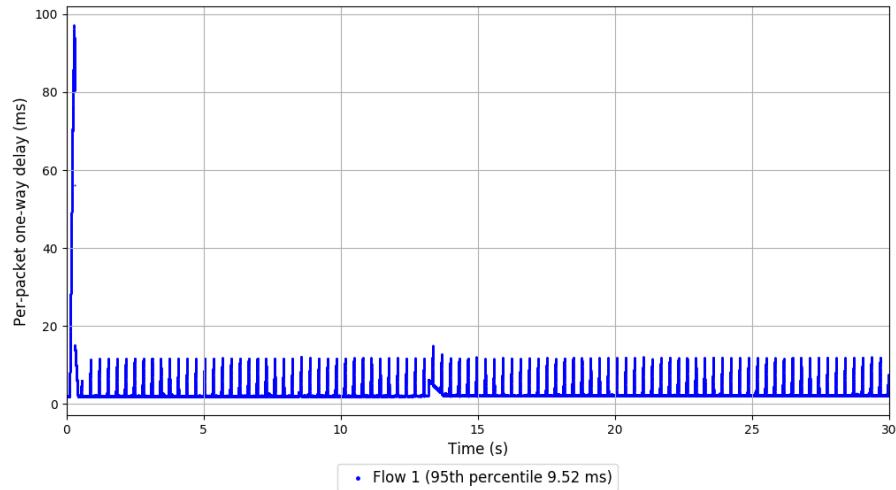
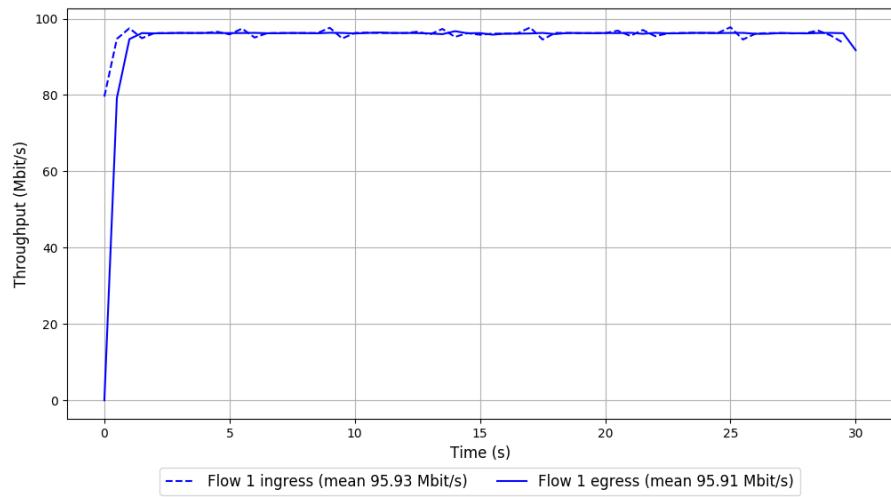


```
Run 1: Statistics of FillP
```

```
Start at: 2019-01-25 11:00:51
End at: 2019-01-25 11:01:21
Local clock offset: 0.814 ms
Remote clock offset: 0.063 ms

# Below is generated by plot.py at 2019-01-25 12:44:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 9.517 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 9.517 ms
Loss rate: 0.04%
```

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

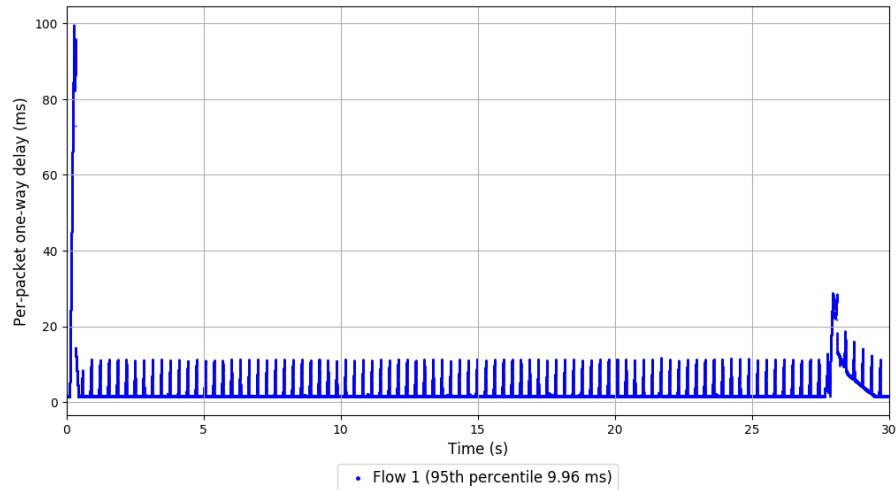
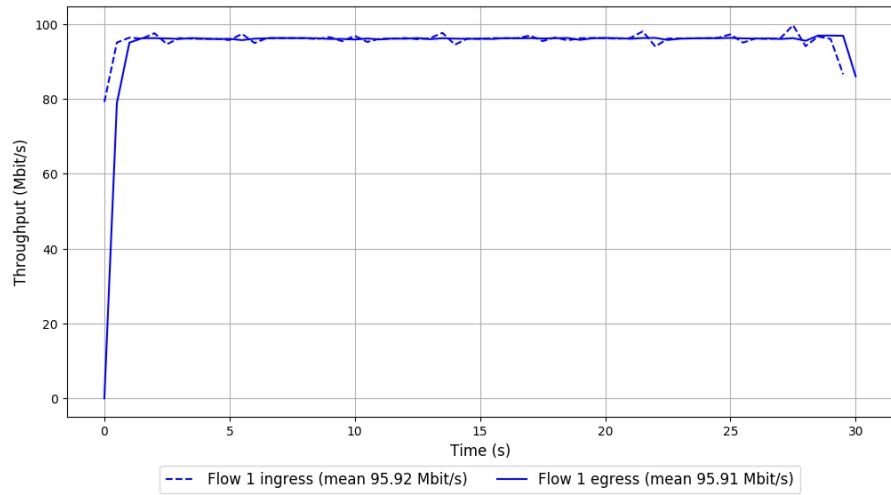


Run 2: Statistics of FillP

```
Start at: 2019-01-25 11:24:33
End at: 2019-01-25 11:25:03
Local clock offset: -4.051 ms
Remote clock offset: 0.558 ms

# Below is generated by plot.py at 2019-01-25 12:44:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 9.965 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 9.965 ms
Loss rate: 0.02%
```

## Run 2: Report of FillP — Data Link

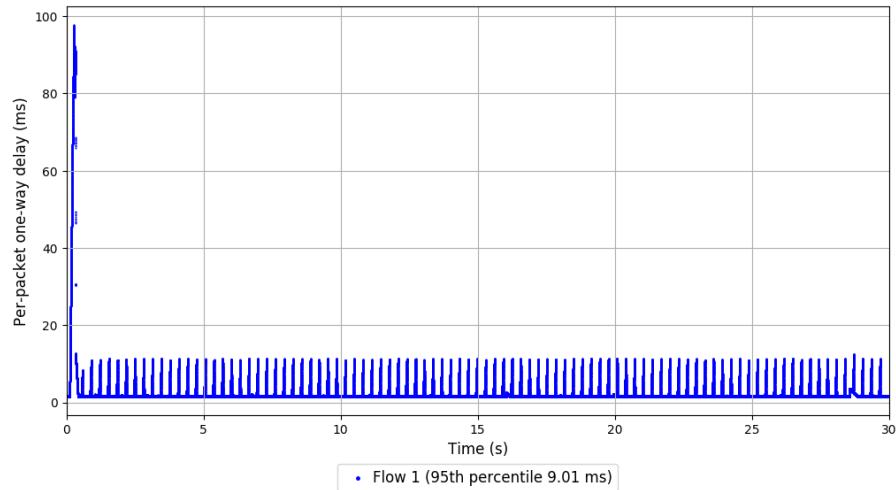
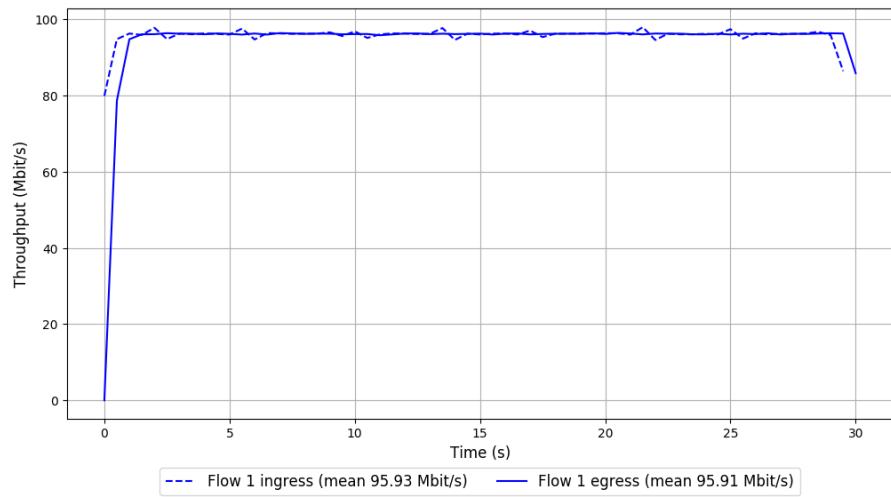


Run 3: Statistics of FillP

```
Start at: 2019-01-25 11:48:15
End at: 2019-01-25 11:48:45
Local clock offset: -3.839 ms
Remote clock offset: 0.824 ms

# Below is generated by plot.py at 2019-01-25 12:44:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 9.014 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 9.014 ms
Loss rate: 0.03%
```

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

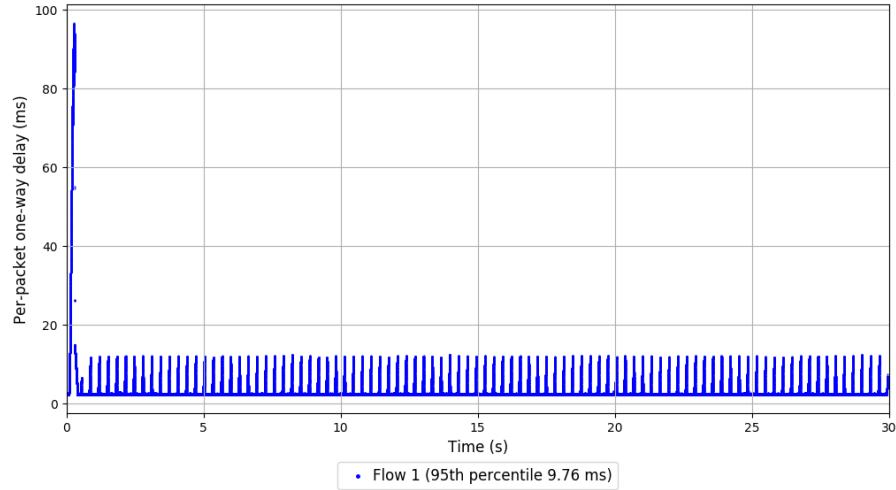
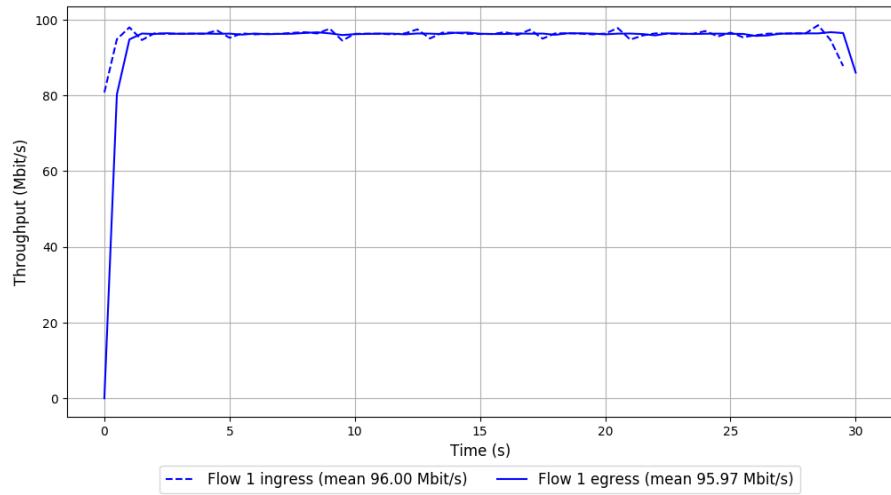


Run 4: Statistics of FillP

```
Start at: 2019-01-25 12:11:56
End at: 2019-01-25 12:12:26
Local clock offset: -2.877 ms
Remote clock offset: 1.019 ms

# Below is generated by plot.py at 2019-01-25 12:44:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 9.757 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 9.757 ms
Loss rate: 0.04%
```

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

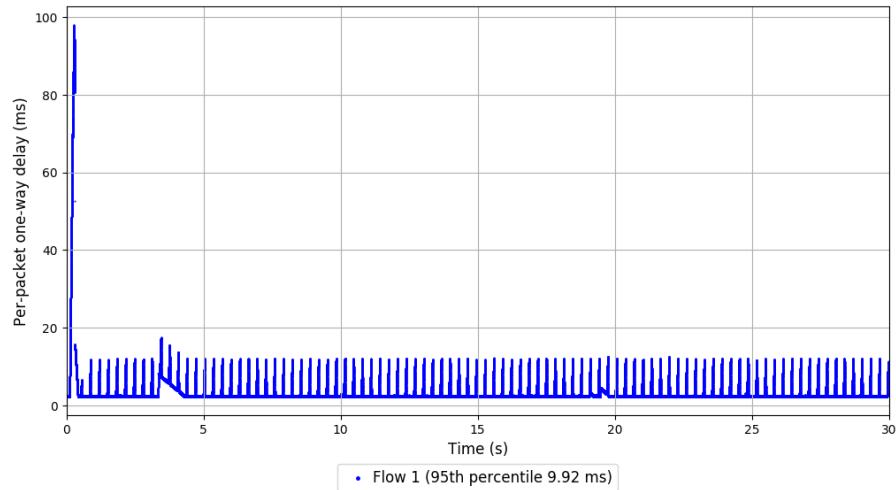
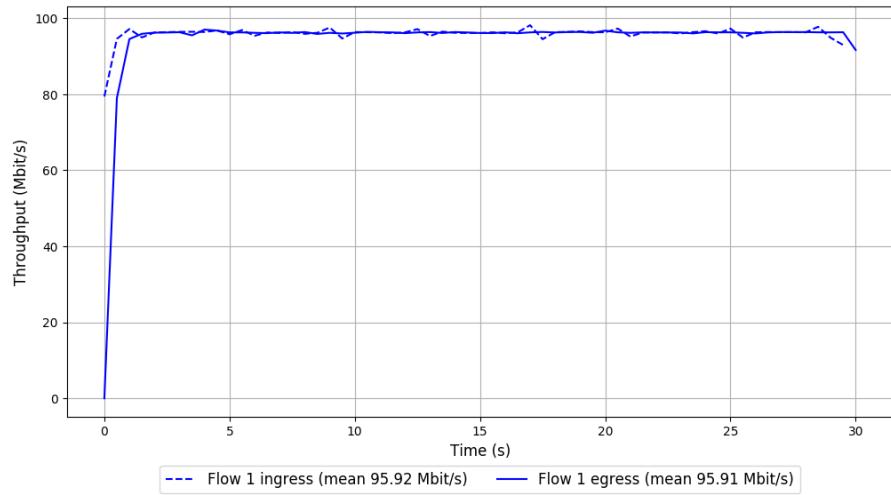


Run 5: Statistics of FillP

```
Start at: 2019-01-25 12:35:41
End at: 2019-01-25 12:36:11
Local clock offset: -3.469 ms
Remote clock offset: 0.847 ms

# Below is generated by plot.py at 2019-01-25 12:45:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 9.920 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 95.91 Mbit/s
95th percentile per-packet one-way delay: 9.920 ms
Loss rate: 0.03%
```

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

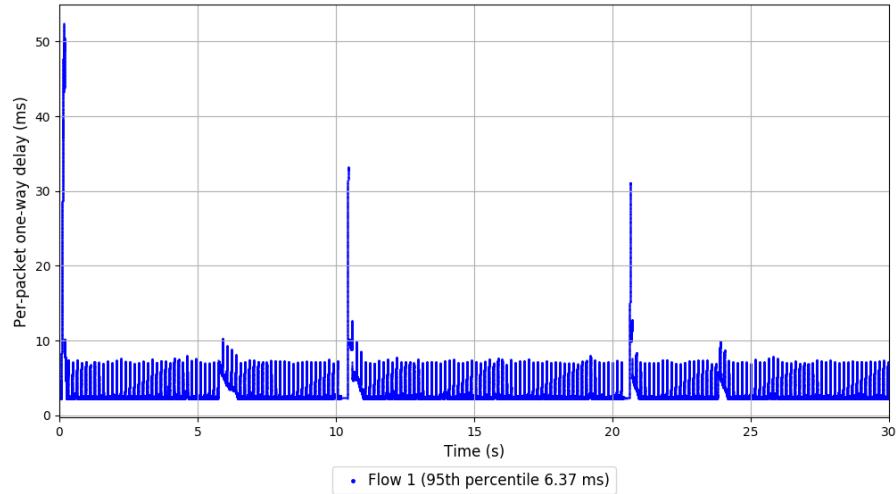
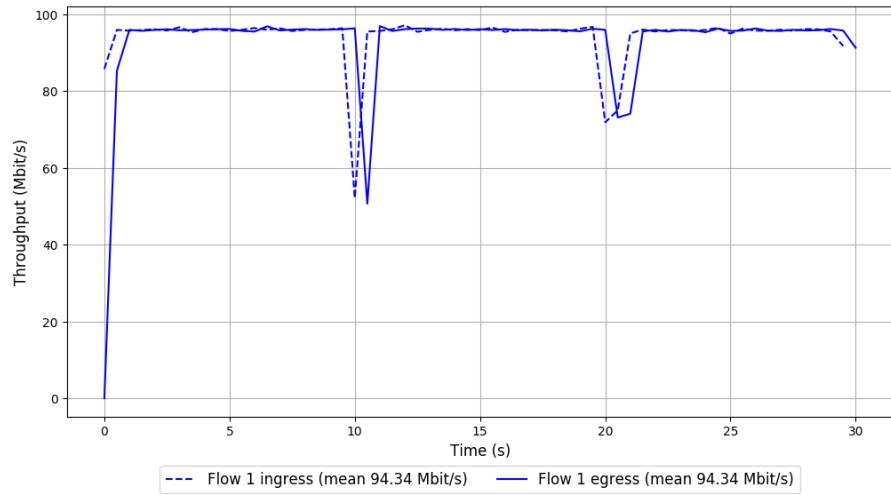


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-01-25 10:57:27
End at: 2019-01-25 10:57:57
Local clock offset: 2.164 ms
Remote clock offset: 0.092 ms

# Below is generated by plot.py at 2019-01-25 12:45:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 6.370 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 94.34 Mbit/s
95th percentile per-packet one-way delay: 6.370 ms
Loss rate: 0.02%
```

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

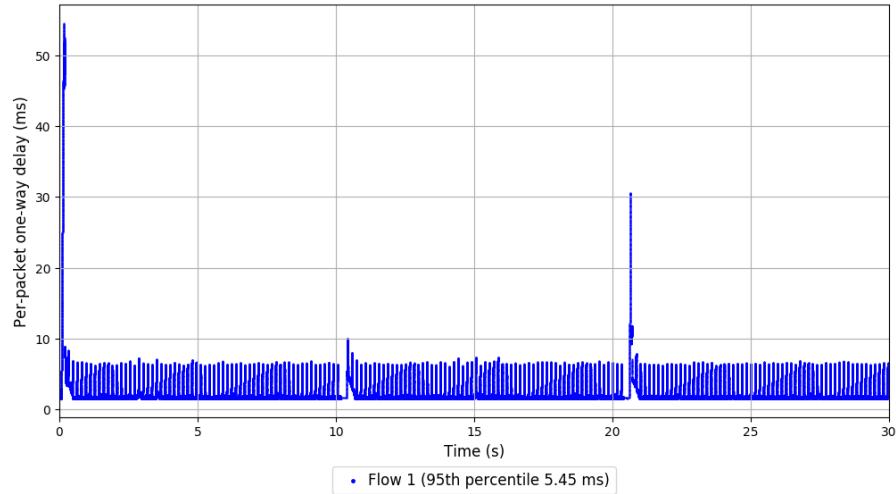
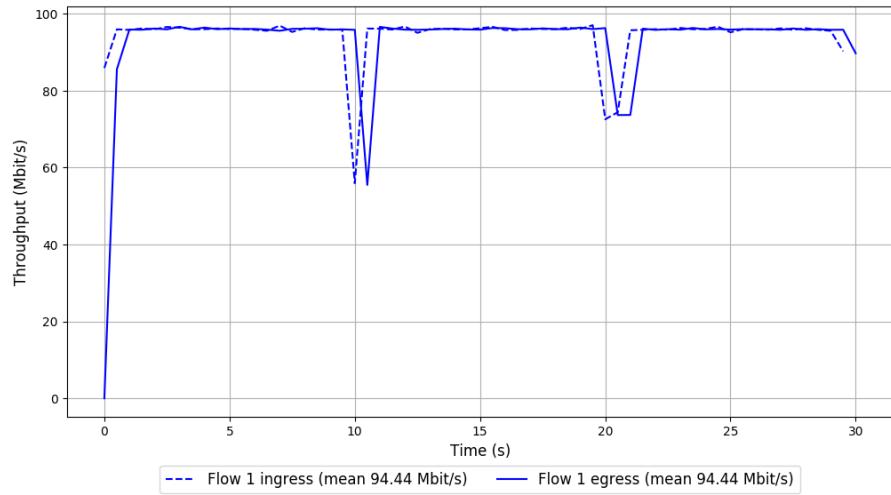


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-01-25 11:21:09
End at: 2019-01-25 11:21:39
Local clock offset: -3.783 ms
Remote clock offset: 0.457 ms

# Below is generated by plot.py at 2019-01-25 12:45:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.44 Mbit/s
95th percentile per-packet one-way delay: 5.447 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 94.44 Mbit/s
95th percentile per-packet one-way delay: 5.447 ms
Loss rate: 0.02%
```

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

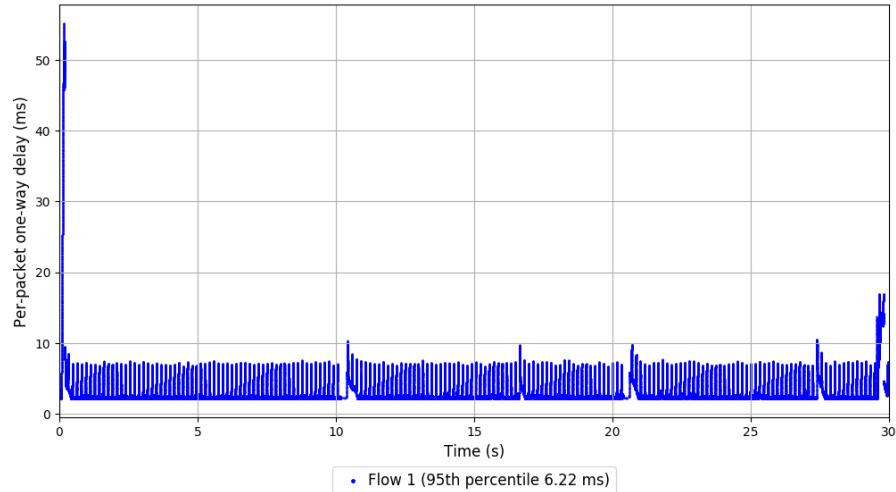
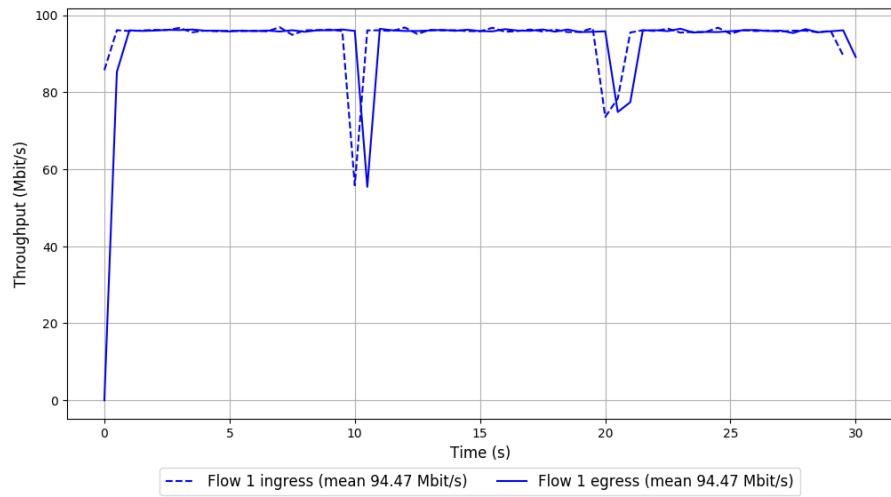


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-01-25 11:44:52
End at: 2019-01-25 11:45:22
Local clock offset: -3.128 ms
Remote clock offset: 0.851 ms

# Below is generated by plot.py at 2019-01-25 12:45:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.47 Mbit/s
95th percentile per-packet one-way delay: 6.224 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 94.47 Mbit/s
95th percentile per-packet one-way delay: 6.224 ms
Loss rate: 0.02%
```

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

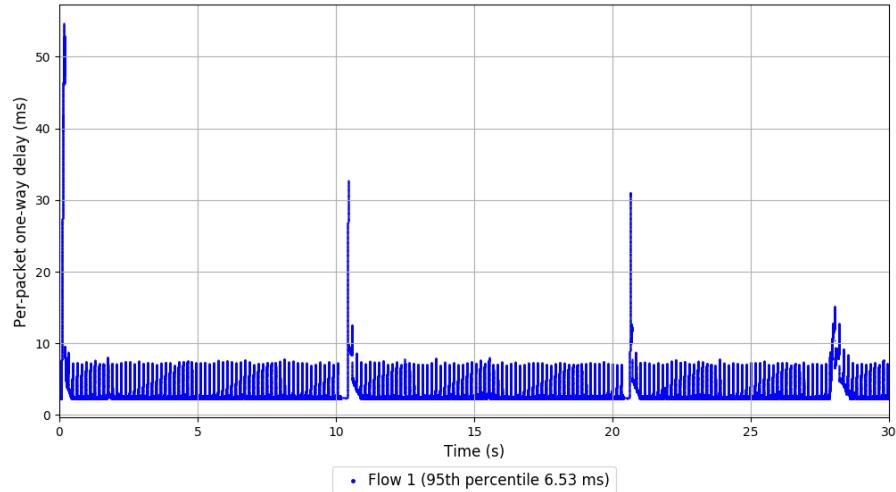
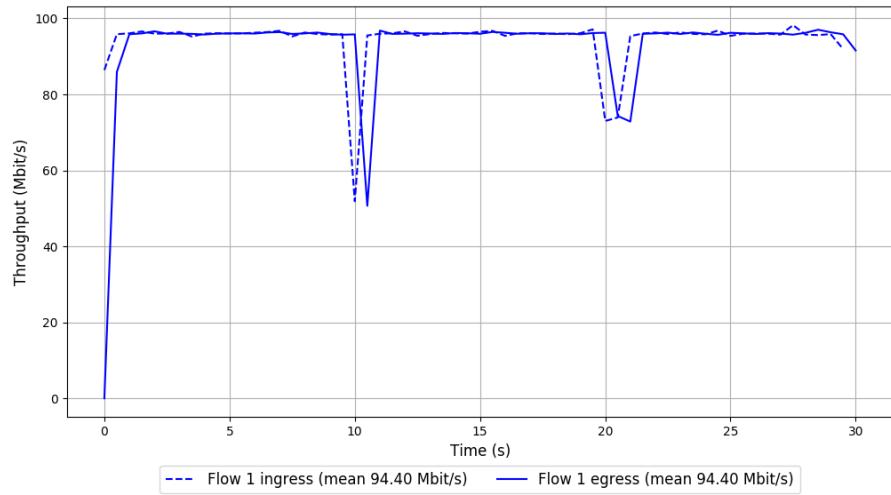


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-01-25 12:08:32
End at: 2019-01-25 12:09:02
Local clock offset: -2.902 ms
Remote clock offset: 1.02 ms

# Below is generated by plot.py at 2019-01-25 12:46:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 6.532 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 94.40 Mbit/s
95th percentile per-packet one-way delay: 6.532 ms
Loss rate: 0.02%
```

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

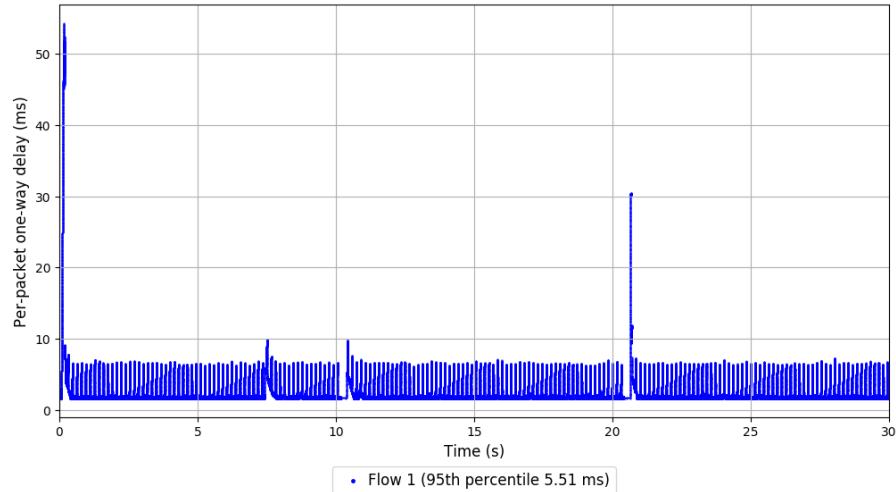
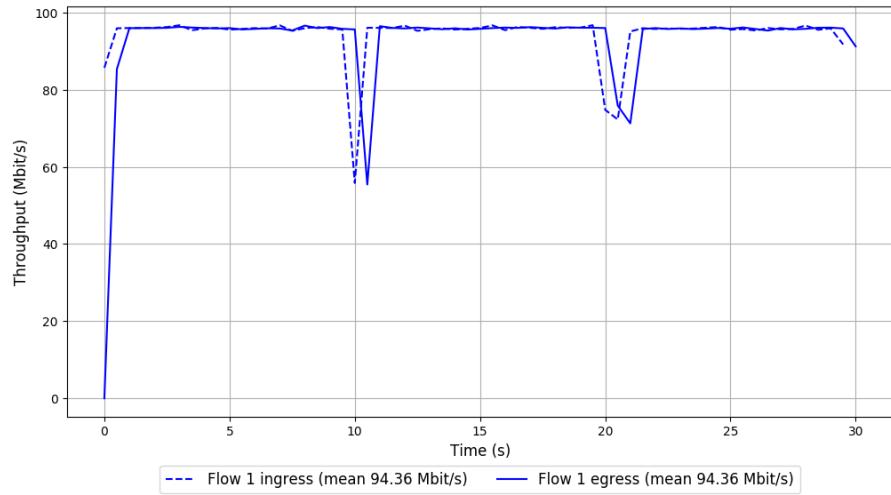


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-01-25 12:32:16
End at: 2019-01-25 12:32:46
Local clock offset: -3.91 ms
Remote clock offset: 0.912 ms

# Below is generated by plot.py at 2019-01-25 12:46:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.36 Mbit/s
95th percentile per-packet one-way delay: 5.509 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 94.36 Mbit/s
95th percentile per-packet one-way delay: 5.509 ms
Loss rate: 0.02%
```

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

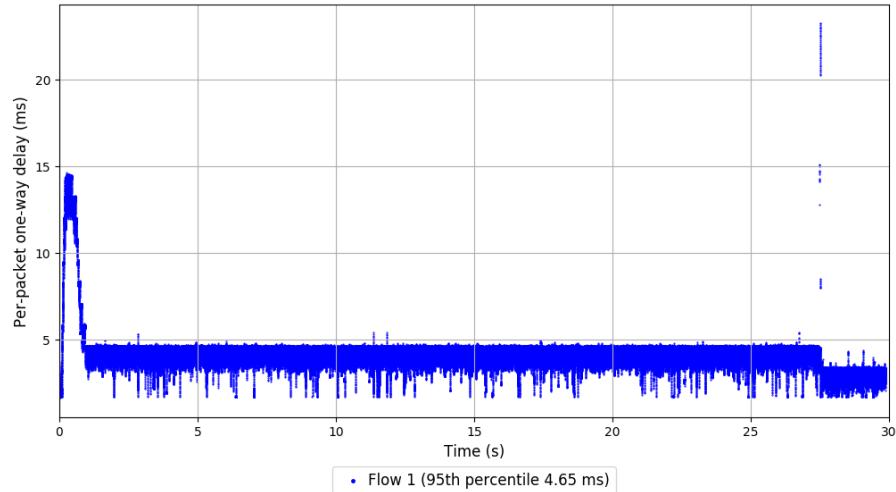
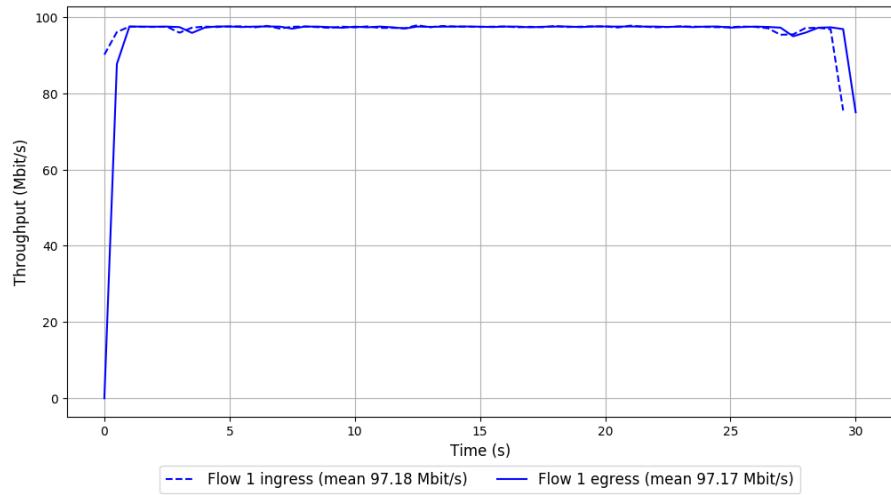


Run 1: Statistics of Indigo

```
Start at: 2019-01-25 10:46:08
End at: 2019-01-25 10:46:38
Local clock offset: 1.036 ms
Remote clock offset: -0.174 ms

# Below is generated by plot.py at 2019-01-25 12:46:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 4.647 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.17 Mbit/s
95th percentile per-packet one-way delay: 4.647 ms
Loss rate: 0.02%
```

## Run 1: Report of Indigo — Data Link

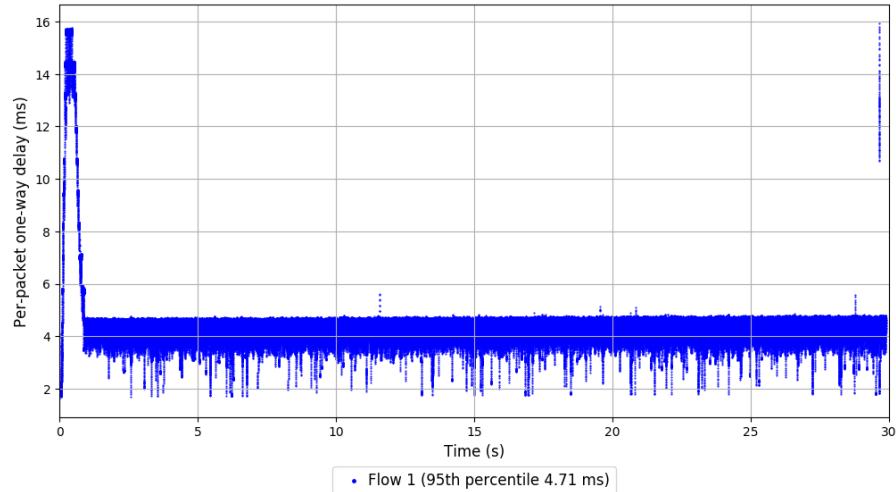
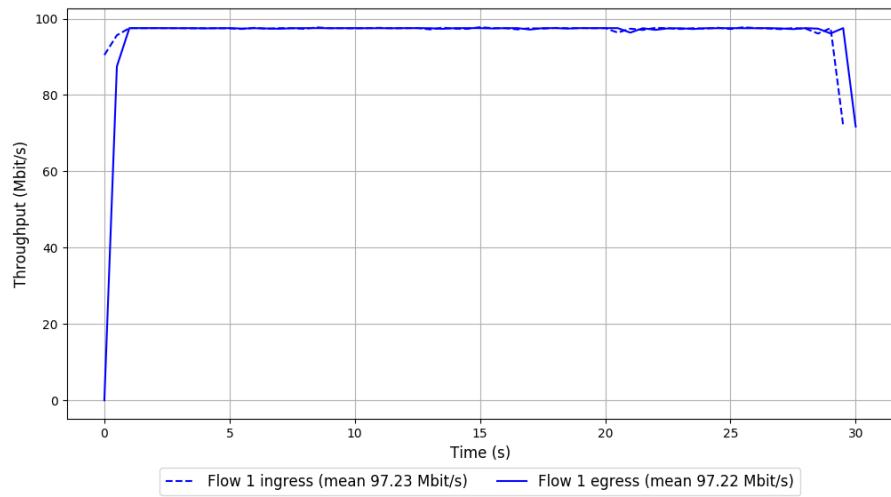


Run 2: Statistics of Indigo

```
Start at: 2019-01-25 11:09:50
End at: 2019-01-25 11:10:20
Local clock offset: -2.301 ms
Remote clock offset: 0.291 ms

# Below is generated by plot.py at 2019-01-25 12:46:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 4.714 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 4.714 ms
Loss rate: 0.02%
```

## Run 2: Report of Indigo — Data Link

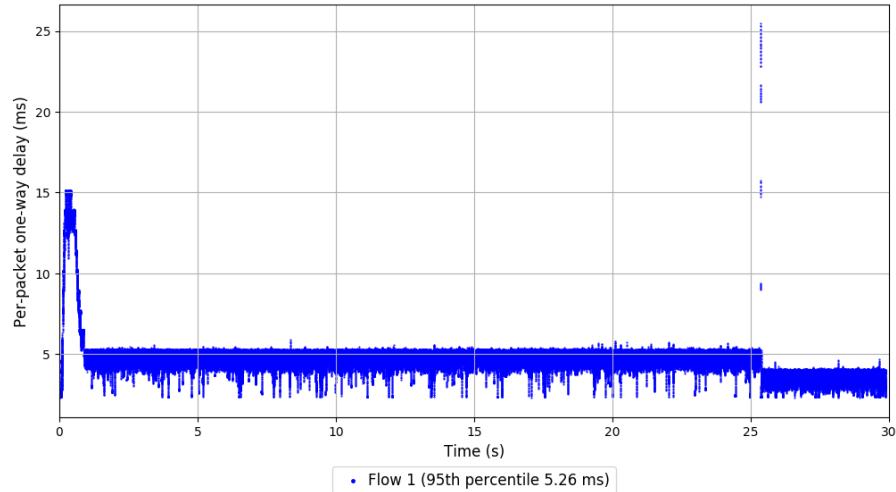
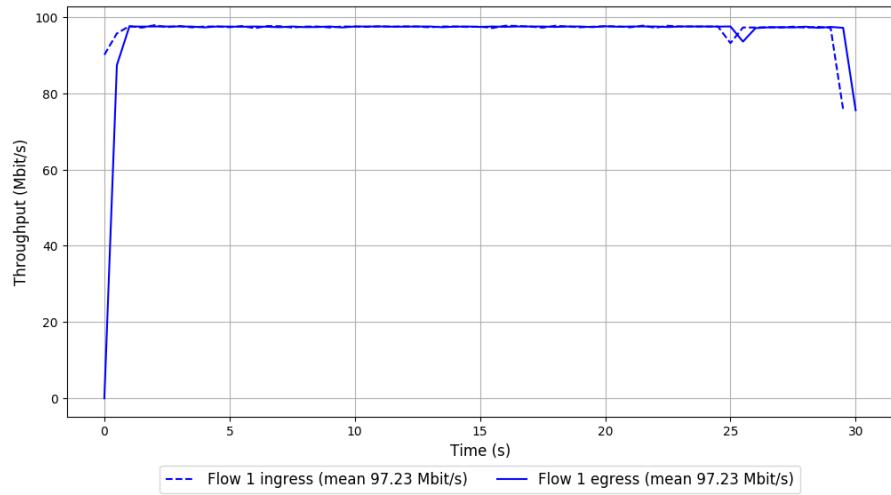


Run 3: Statistics of Indigo

```
Start at: 2019-01-25 11:33:30
End at: 2019-01-25 11:34:00
Local clock offset: -3.28 ms
Remote clock offset: 0.66 ms

# Below is generated by plot.py at 2019-01-25 12:46:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 5.258 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.23 Mbit/s
95th percentile per-packet one-way delay: 5.258 ms
Loss rate: 0.02%
```

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

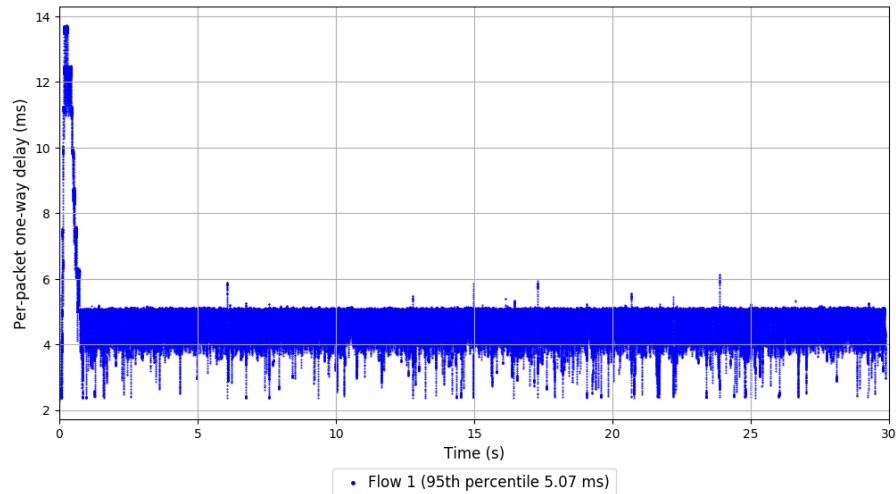
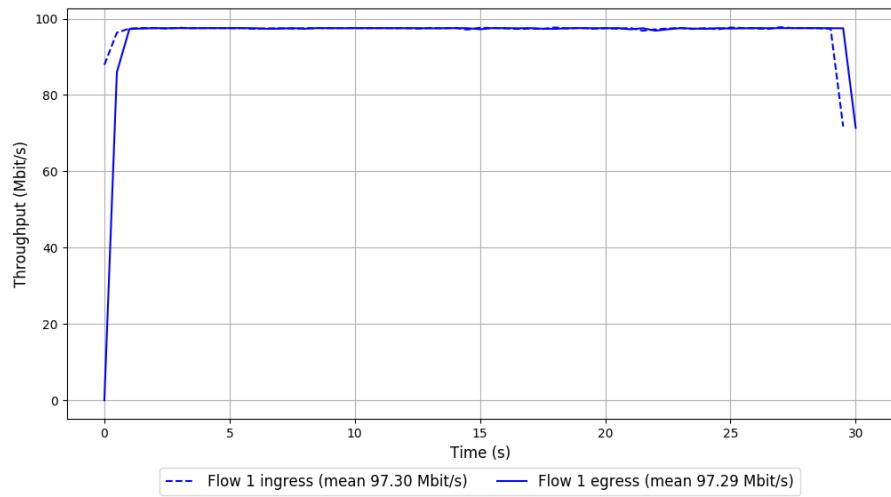


Run 4: Statistics of Indigo

```
Start at: 2019-01-25 11:57:14
End at: 2019-01-25 11:57:44
Local clock offset: -3.172 ms
Remote clock offset: 0.91 ms

# Below is generated by plot.py at 2019-01-25 12:46:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 5.073 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.29 Mbit/s
95th percentile per-packet one-way delay: 5.073 ms
Loss rate: 0.02%
```

## Run 4: Report of Indigo — Data Link

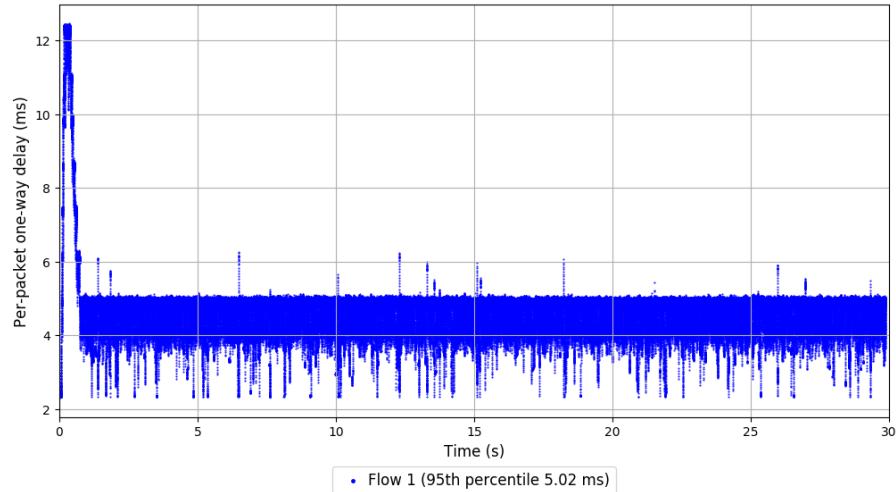
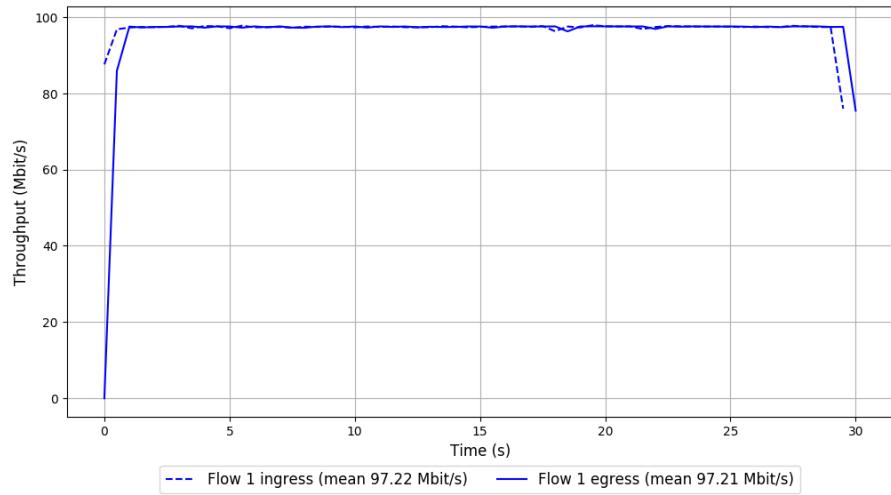


Run 5: Statistics of Indigo

```
Start at: 2019-01-25 12:20:54
End at: 2019-01-25 12:21:24
Local clock offset: -2.899 ms
Remote clock offset: 1.09 ms

# Below is generated by plot.py at 2019-01-25 12:46:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 5.017 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.21 Mbit/s
95th percentile per-packet one-way delay: 5.017 ms
Loss rate: 0.02%
```

## Run 5: Report of Indigo — Data Link

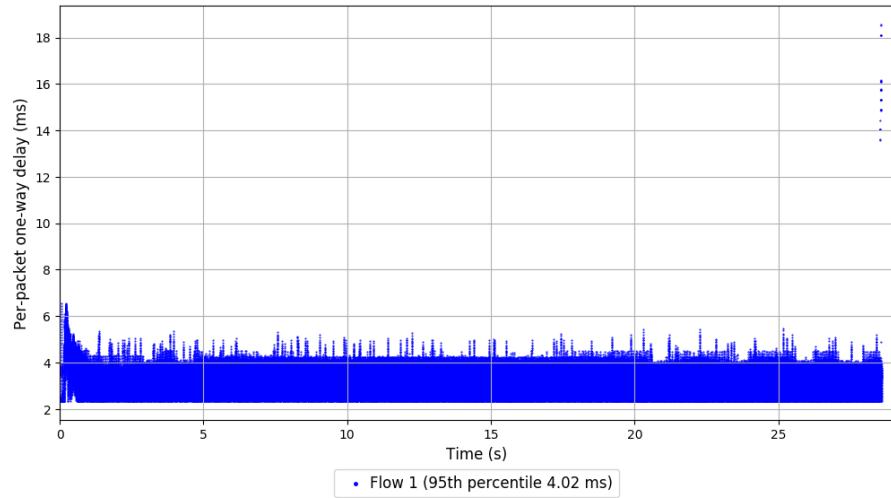
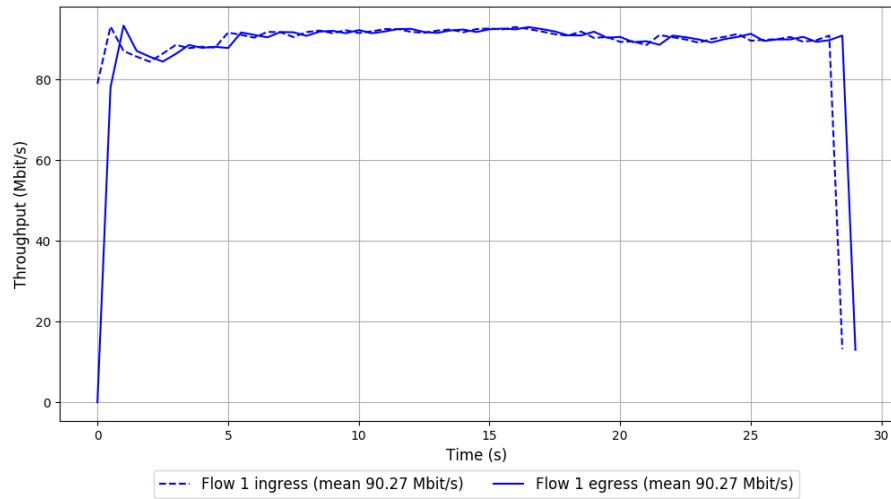


```
Run 1: Statistics of Indigo-MusesC3
```

```
Start at: 2019-01-25 10:47:18
End at: 2019-01-25 10:47:48
Local clock offset: 1.823 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2019-01-25 12:46:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.27 Mbit/s
95th percentile per-packet one-way delay: 4.024 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.27 Mbit/s
95th percentile per-packet one-way delay: 4.024 ms
Loss rate: 0.02%
```

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

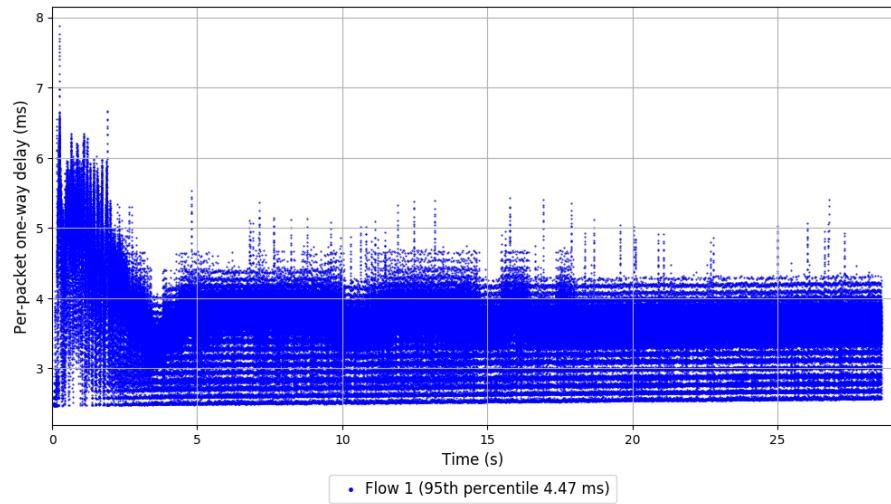
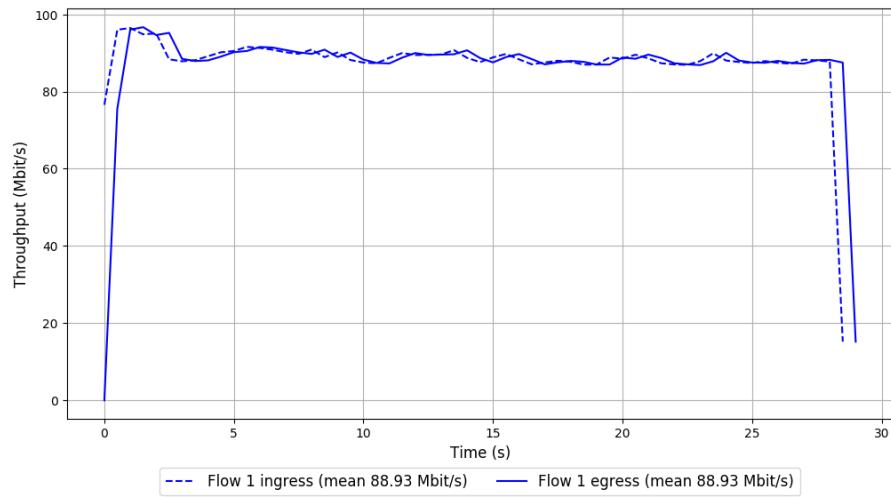


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-01-25 11:10:59
End at: 2019-01-25 11:11:29
Local clock offset: -1.812 ms
Remote clock offset: 0.258 ms

# Below is generated by plot.py at 2019-01-25 12:47:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.93 Mbit/s
95th percentile per-packet one-way delay: 4.469 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 88.93 Mbit/s
95th percentile per-packet one-way delay: 4.469 ms
Loss rate: 0.02%
```

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

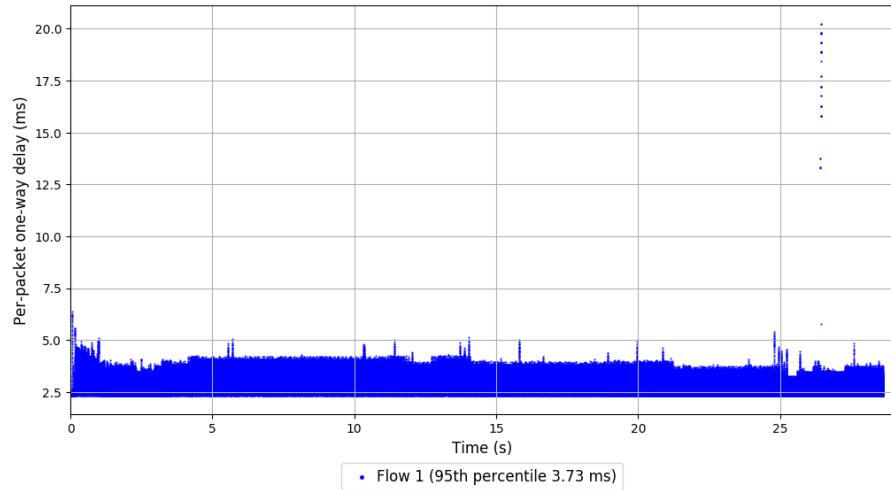
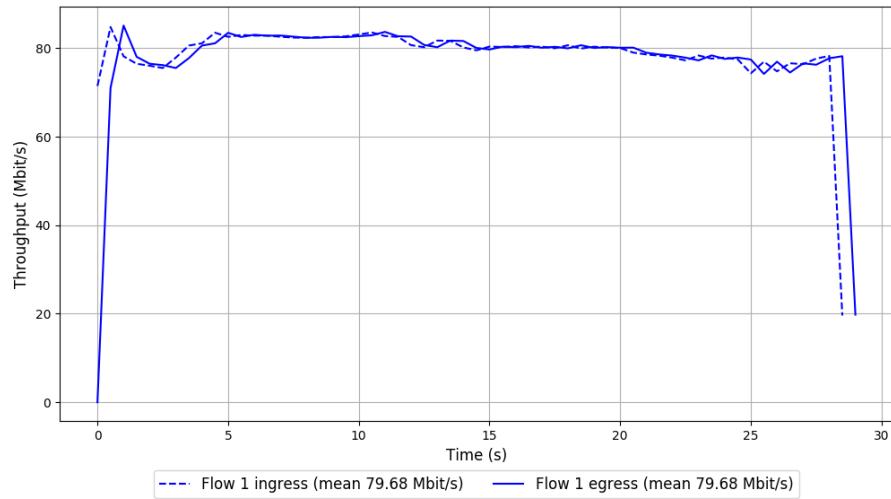


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-01-25 11:34:40
End at: 2019-01-25 11:35:10
Local clock offset: -3.223 ms
Remote clock offset: 0.682 ms

# Below is generated by plot.py at 2019-01-25 12:47:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.68 Mbit/s
95th percentile per-packet one-way delay: 3.733 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 79.68 Mbit/s
95th percentile per-packet one-way delay: 3.733 ms
Loss rate: 0.01%
```

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

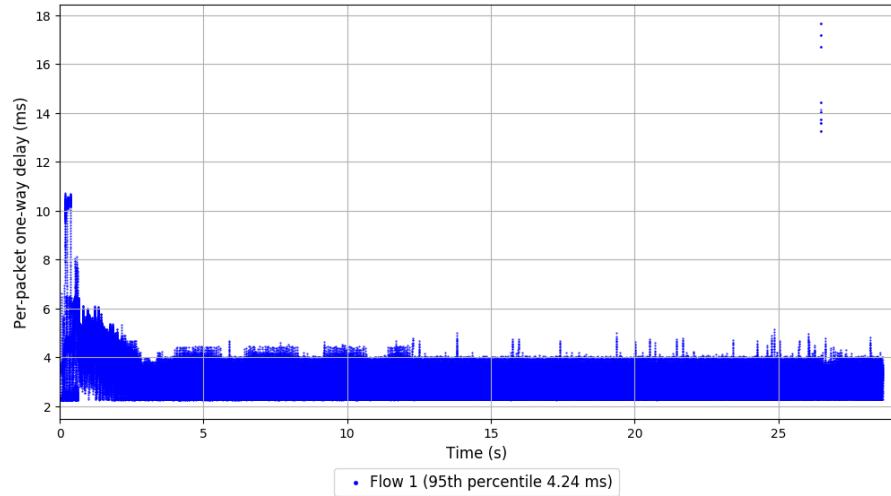
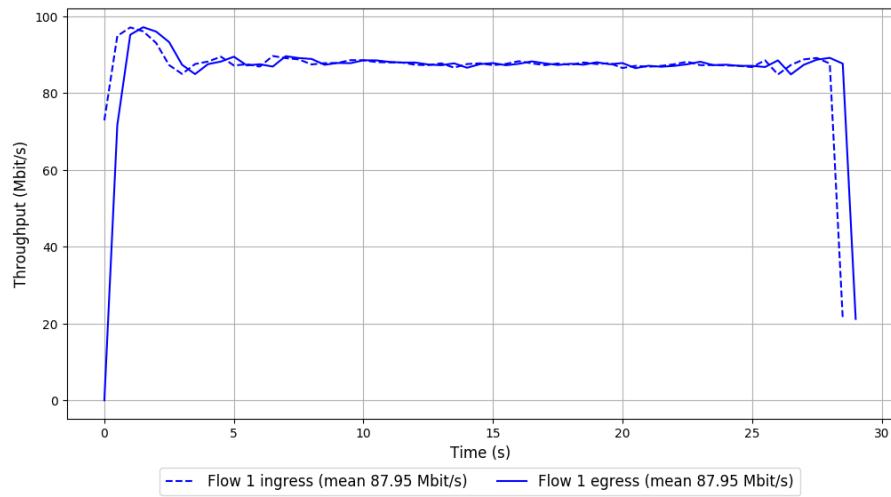


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-01-25 11:58:23
End at: 2019-01-25 11:58:53
Local clock offset: -3.272 ms
Remote clock offset: 0.937 ms

# Below is generated by plot.py at 2019-01-25 12:47:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.95 Mbit/s
95th percentile per-packet one-way delay: 4.239 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 87.95 Mbit/s
95th percentile per-packet one-way delay: 4.239 ms
Loss rate: 0.02%
```

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

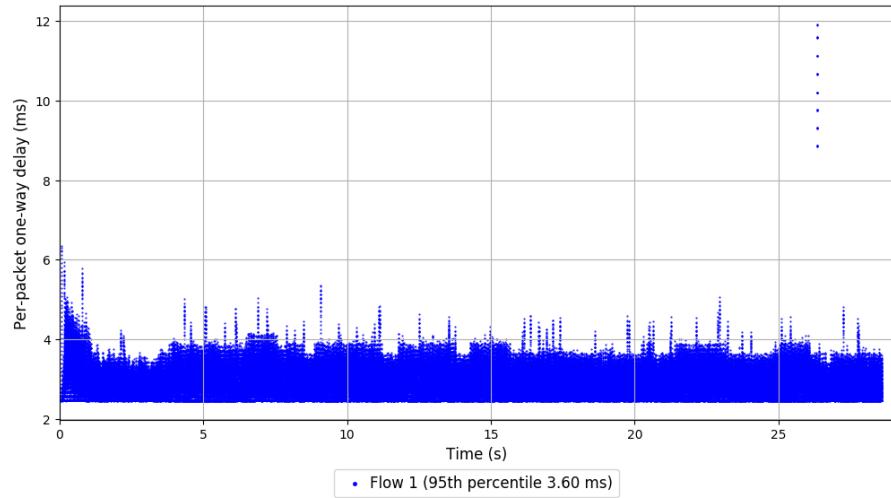
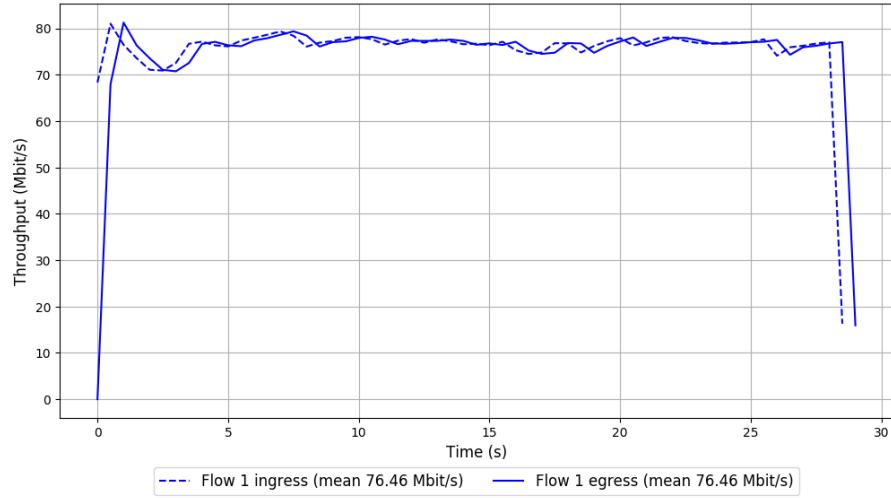


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-01-25 12:22:04
End at: 2019-01-25 12:22:34
Local clock offset: -2.862 ms
Remote clock offset: 0.992 ms

# Below is generated by plot.py at 2019-01-25 12:47:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.46 Mbit/s
95th percentile per-packet one-way delay: 3.595 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 76.46 Mbit/s
95th percentile per-packet one-way delay: 3.595 ms
Loss rate: 0.02%
```

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

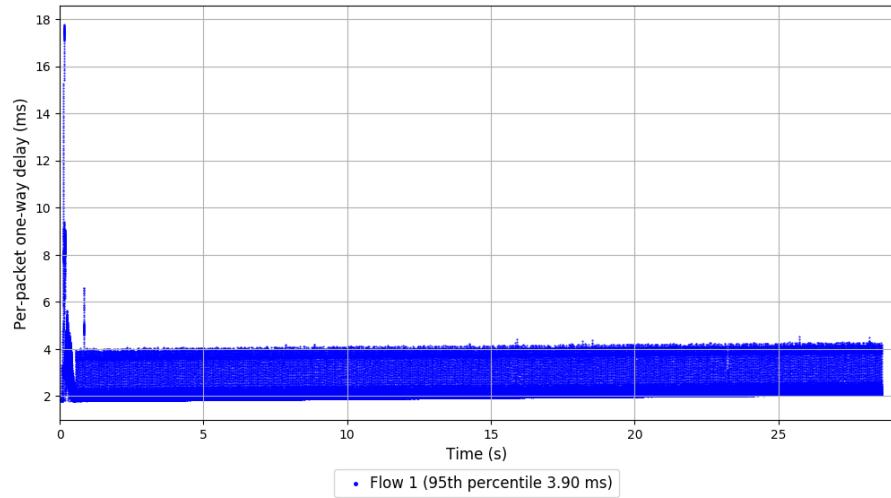
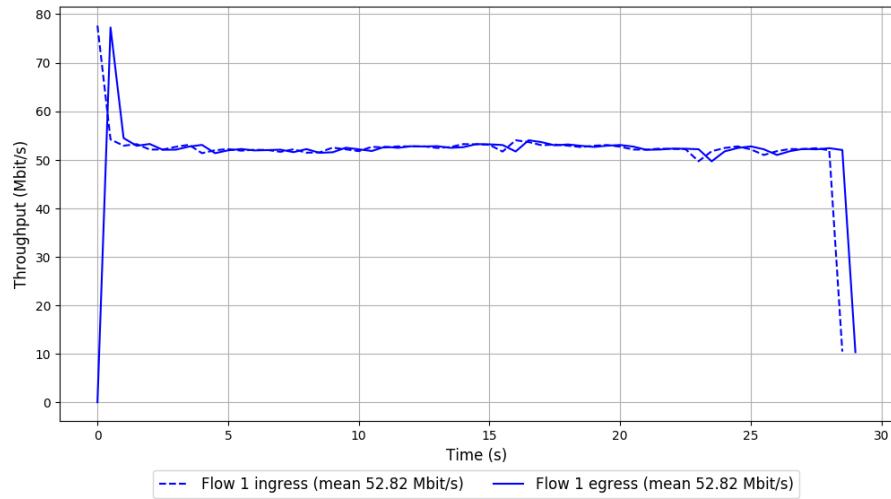


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-01-25 10:59:45
End at: 2019-01-25 11:00:15
Local clock offset: 1.384 ms
Remote clock offset: 0.176 ms

# Below is generated by plot.py at 2019-01-25 12:47:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.82 Mbit/s
95th percentile per-packet one-way delay: 3.895 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 52.82 Mbit/s
95th percentile per-packet one-way delay: 3.895 ms
Loss rate: 0.01%
```

## Run 1: Report of Indigo-MusesC5 — Data Link

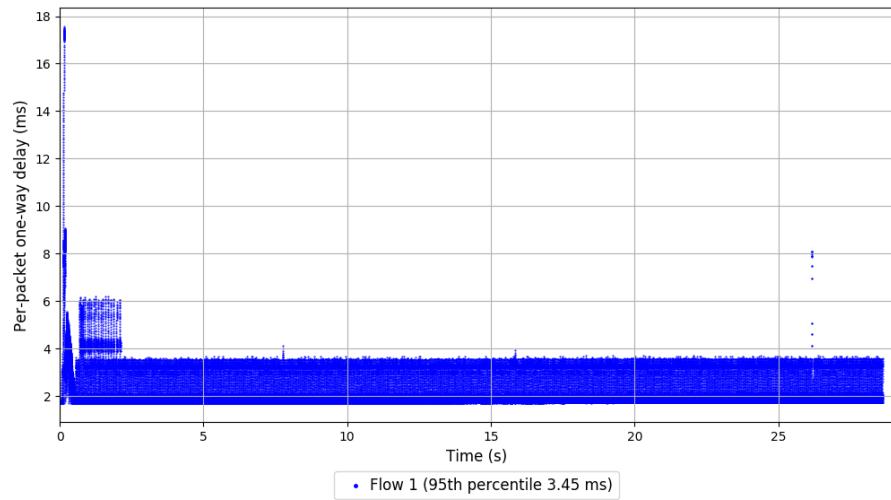
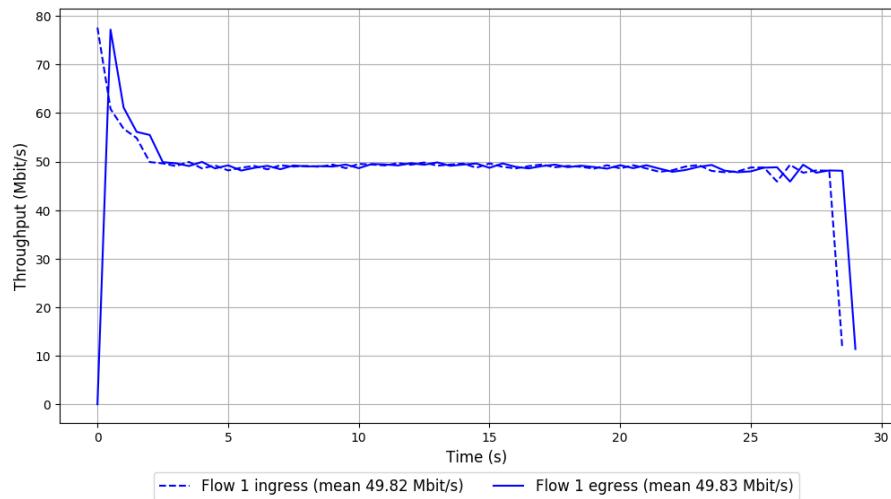


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-01-25 11:23:27
End at: 2019-01-25 11:23:57
Local clock offset: -3.932 ms
Remote clock offset: 0.46 ms

# Below is generated by plot.py at 2019-01-25 12:47:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.83 Mbit/s
95th percentile per-packet one-way delay: 3.454 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 49.83 Mbit/s
95th percentile per-packet one-way delay: 3.454 ms
Loss rate: 0.01%
```

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

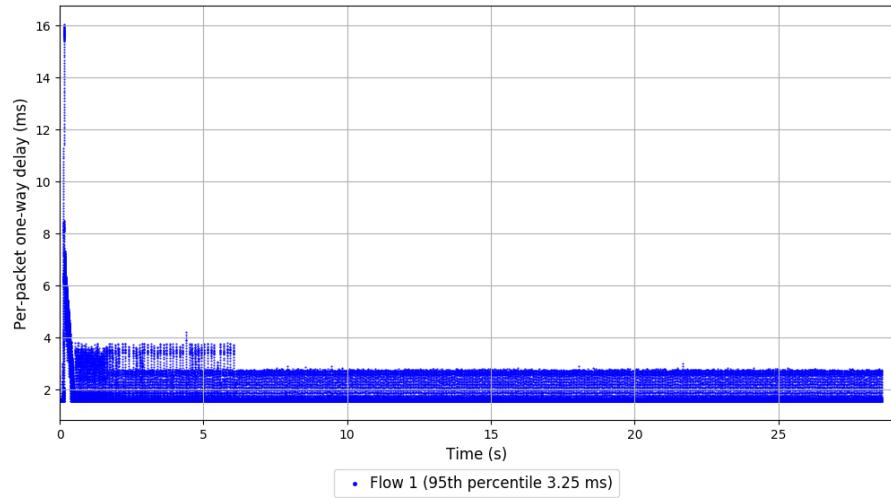
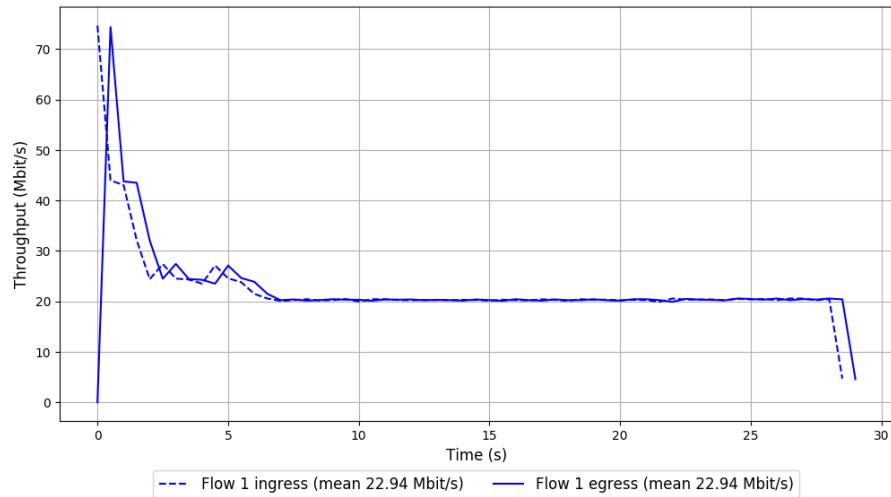


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-01-25 11:47:10
End at: 2019-01-25 11:47:40
Local clock offset: -3.887 ms
Remote clock offset: 0.842 ms

# Below is generated by plot.py at 2019-01-25 12:47:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 22.94 Mbit/s
95th percentile per-packet one-way delay: 3.254 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 22.94 Mbit/s
95th percentile per-packet one-way delay: 3.254 ms
Loss rate: 0.01%
```

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

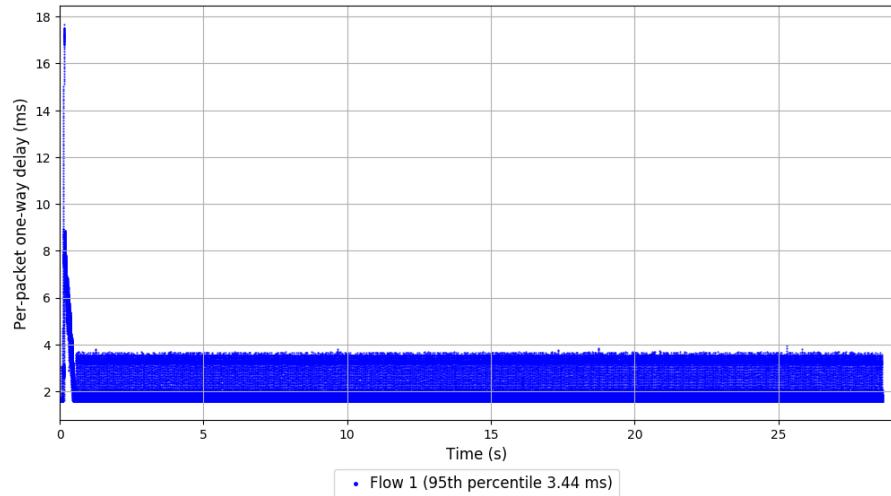
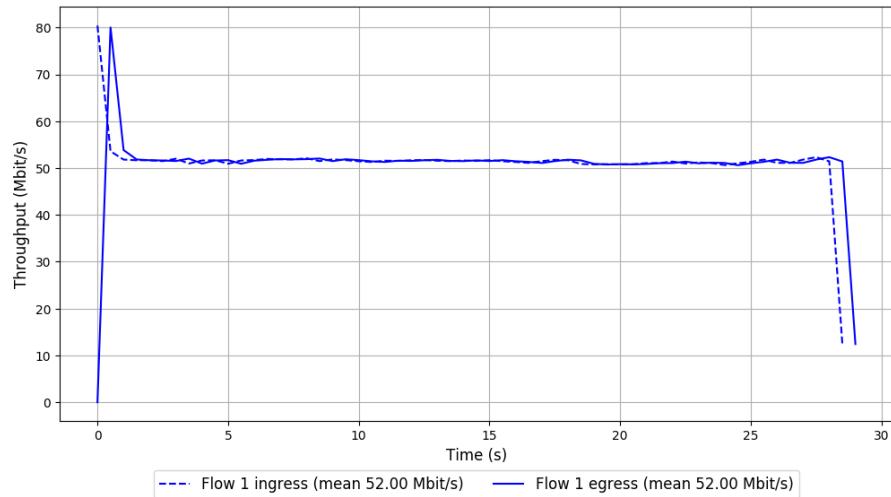


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-01-25 12:10:50
End at: 2019-01-25 12:11:20
Local clock offset: -3.694 ms
Remote clock offset: 0.994 ms

# Below is generated by plot.py at 2019-01-25 12:47:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.00 Mbit/s
95th percentile per-packet one-way delay: 3.439 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 52.00 Mbit/s
95th percentile per-packet one-way delay: 3.439 ms
Loss rate: 0.01%
```

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

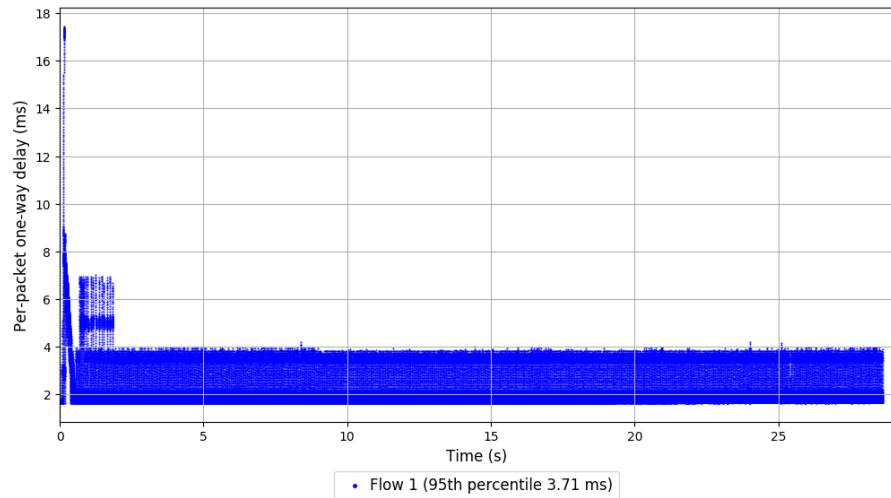
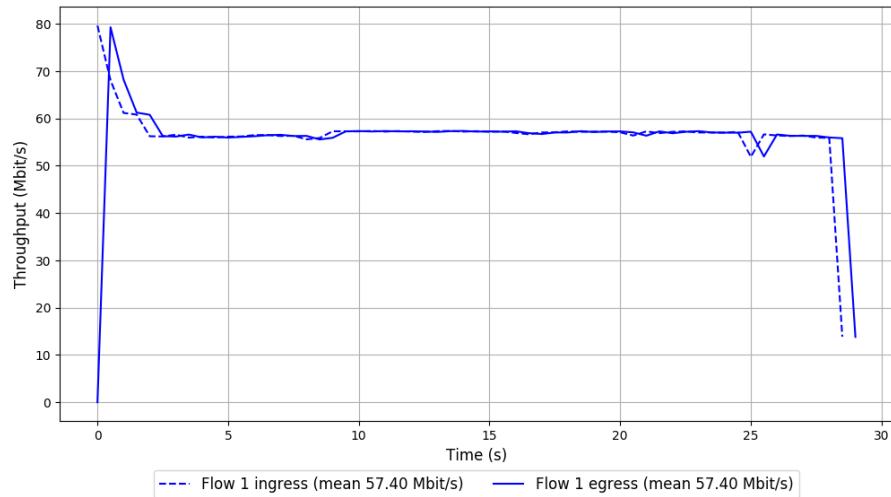


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-01-25 12:34:34
End at: 2019-01-25 12:35:04
Local clock offset: -4.074 ms
Remote clock offset: 0.976 ms

# Below is generated by plot.py at 2019-01-25 12:47:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.40 Mbit/s
95th percentile per-packet one-way delay: 3.706 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 57.40 Mbit/s
95th percentile per-packet one-way delay: 3.706 ms
Loss rate: 0.01%
```

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

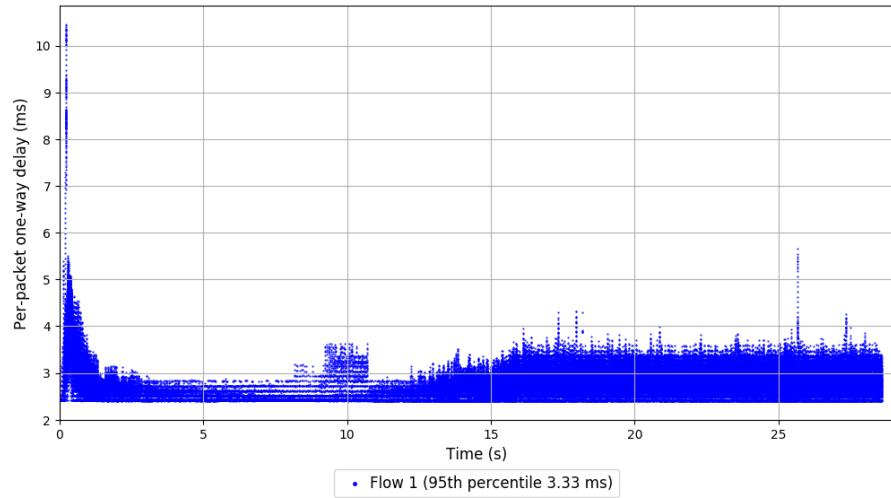
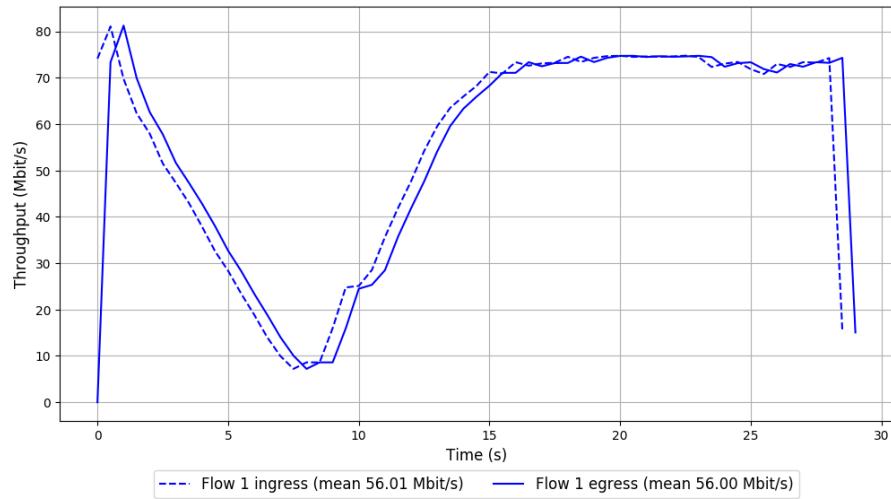


```
Run 1: Statistics of Indigo-MusesD
```

```
Start at: 2019-01-25 10:41:39
End at: 2019-01-25 10:42:09
Local clock offset: 1.701 ms
Remote clock offset: -0.14 ms

# Below is generated by plot.py at 2019-01-25 12:47:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.00 Mbit/s
95th percentile per-packet one-way delay: 3.331 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 56.00 Mbit/s
95th percentile per-packet one-way delay: 3.331 ms
Loss rate: 0.02%
```

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

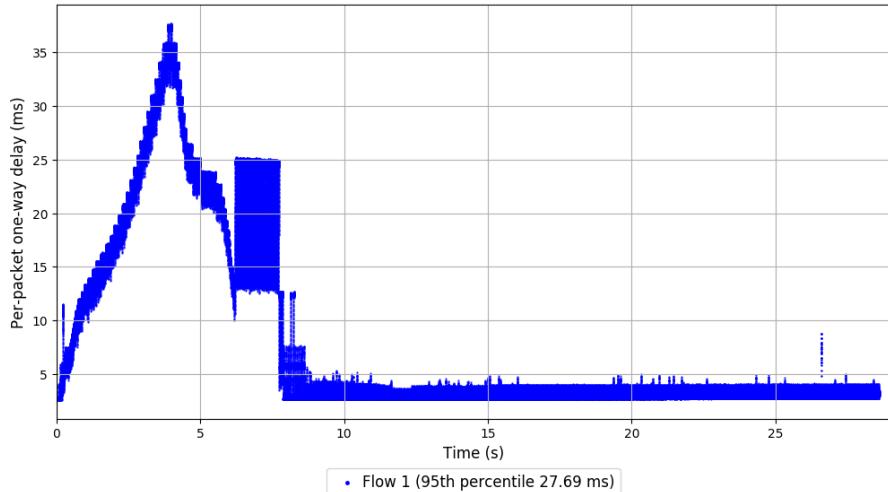
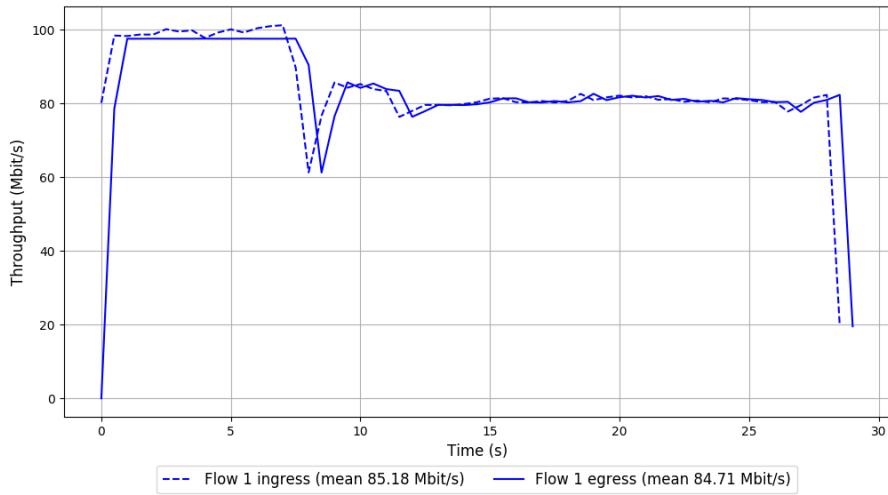


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-01-25 11:05:20
End at: 2019-01-25 11:05:50
Local clock offset: -0.322 ms
Remote clock offset: 0.198 ms

# Below is generated by plot.py at 2019-01-25 12:48:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.71 Mbit/s
95th percentile per-packet one-way delay: 27.688 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 84.71 Mbit/s
95th percentile per-packet one-way delay: 27.688 ms
Loss rate: 0.57%
```

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

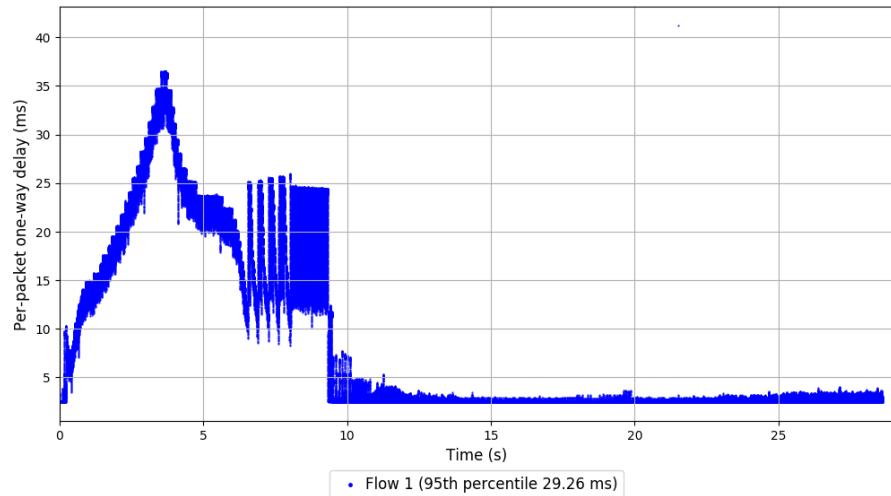
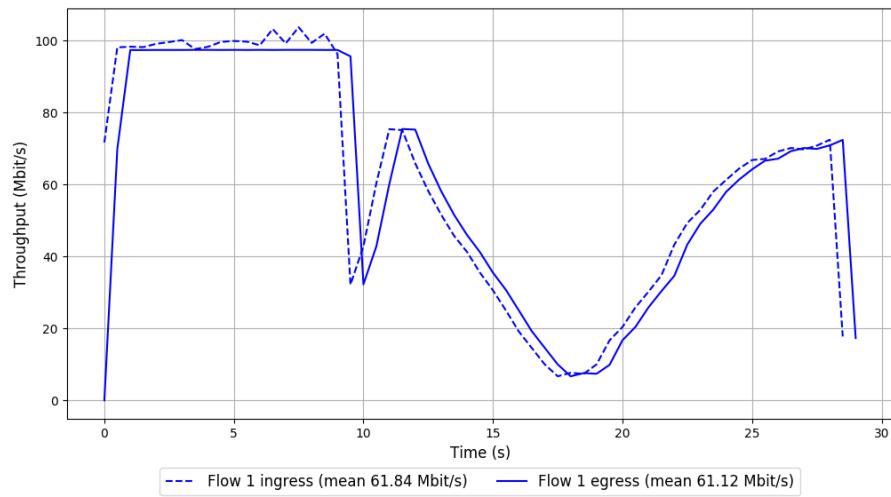


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-01-25 11:29:01
End at: 2019-01-25 11:29:31
Local clock offset: -3.492 ms
Remote clock offset: 0.573 ms

# Below is generated by plot.py at 2019-01-25 12:48:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.12 Mbit/s
95th percentile per-packet one-way delay: 29.261 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 61.12 Mbit/s
95th percentile per-packet one-way delay: 29.261 ms
Loss rate: 1.19%
```

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

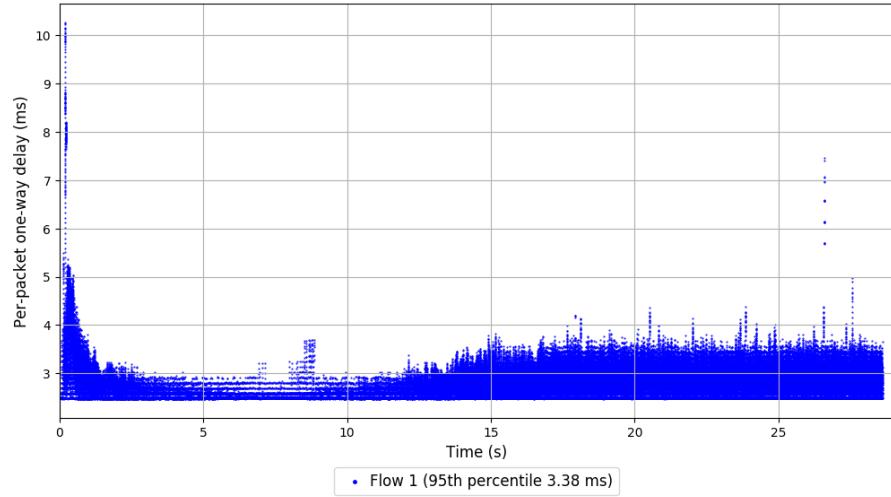
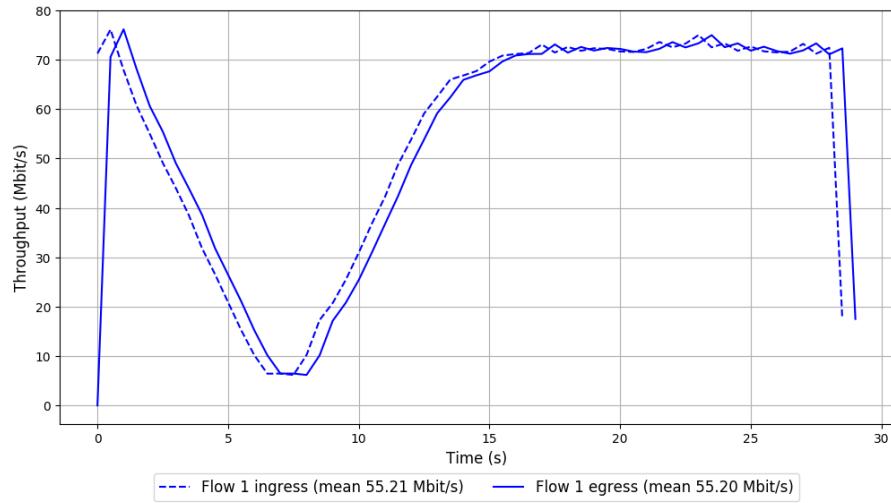


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-01-25 11:52:45
End at: 2019-01-25 11:53:15
Local clock offset: -3.124 ms
Remote clock offset: 0.772 ms

# Below is generated by plot.py at 2019-01-25 12:48:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.20 Mbit/s
95th percentile per-packet one-way delay: 3.376 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 55.20 Mbit/s
95th percentile per-packet one-way delay: 3.376 ms
Loss rate: 0.02%
```

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

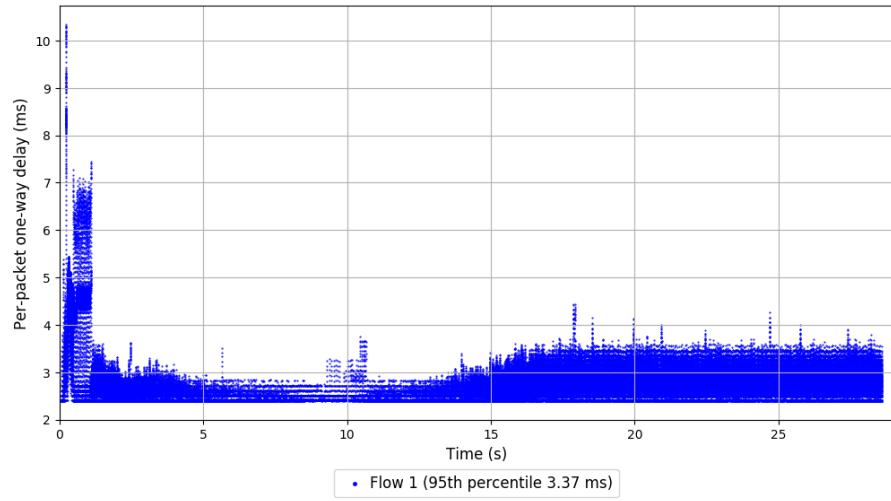
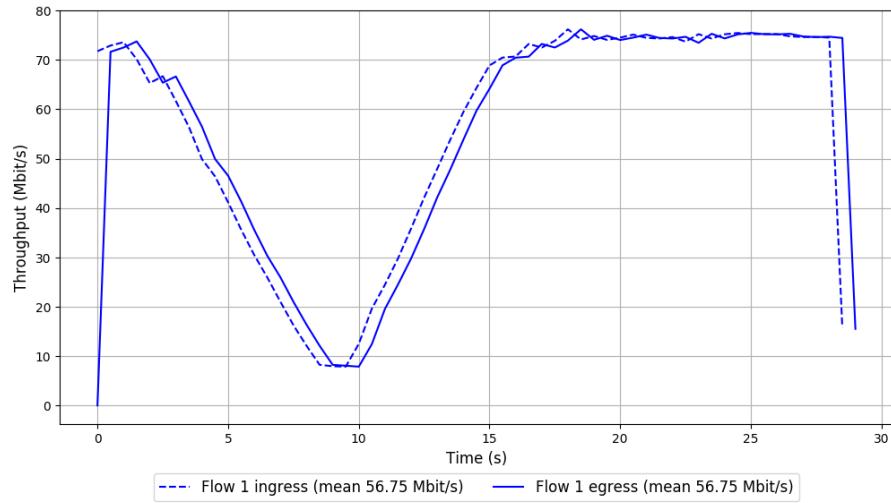


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-01-25 12:16:25
End at: 2019-01-25 12:16:56
Local clock offset: -2.853 ms
Remote clock offset: 1.032 ms

# Below is generated by plot.py at 2019-01-25 12:48:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.75 Mbit/s
95th percentile per-packet one-way delay: 3.369 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 56.75 Mbit/s
95th percentile per-packet one-way delay: 3.369 ms
Loss rate: 0.02%
```

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

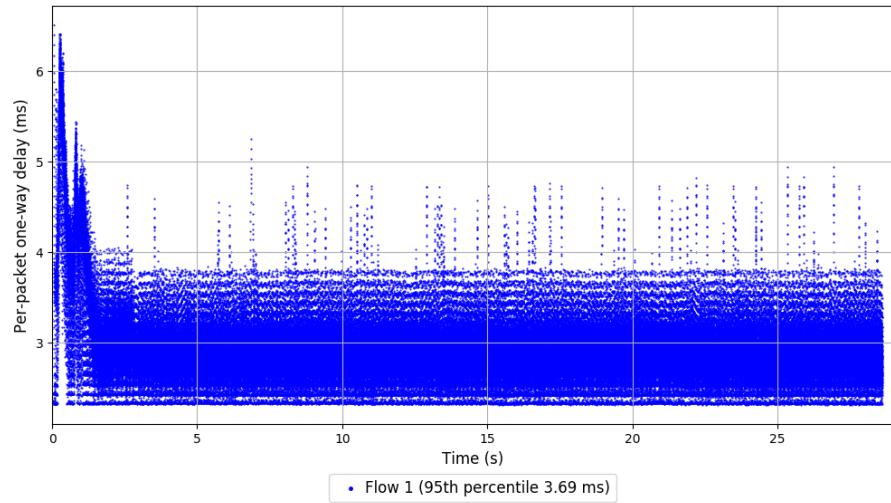
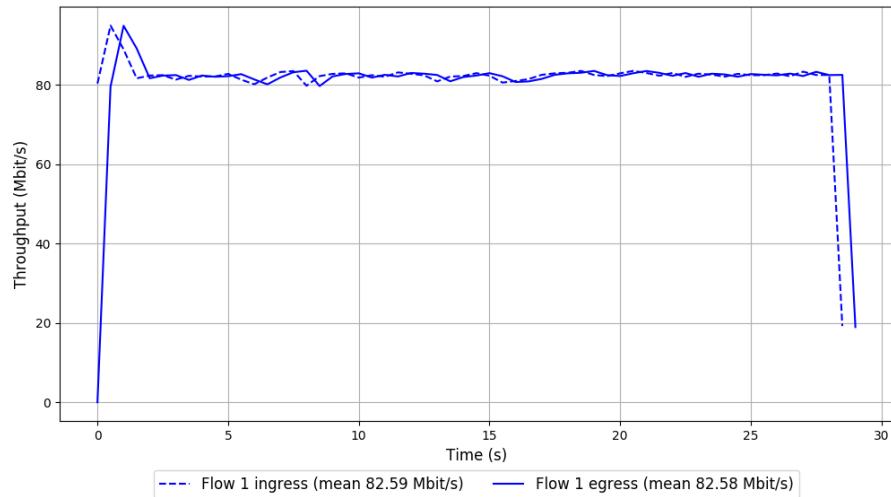


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-01-25 10:42:46
End at: 2019-01-25 10:43:16
Local clock offset: 1.712 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2019-01-25 12:48:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.58 Mbit/s
95th percentile per-packet one-way delay: 3.685 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 82.58 Mbit/s
95th percentile per-packet one-way delay: 3.685 ms
Loss rate: 0.02%
```

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

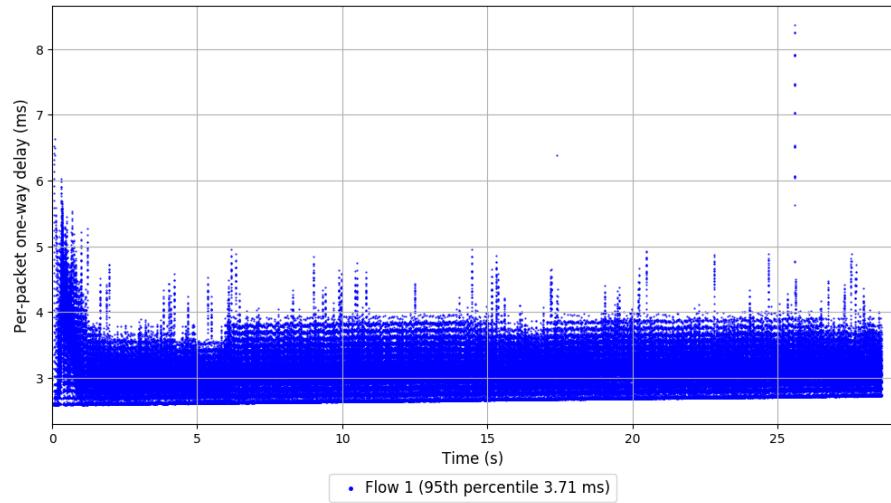
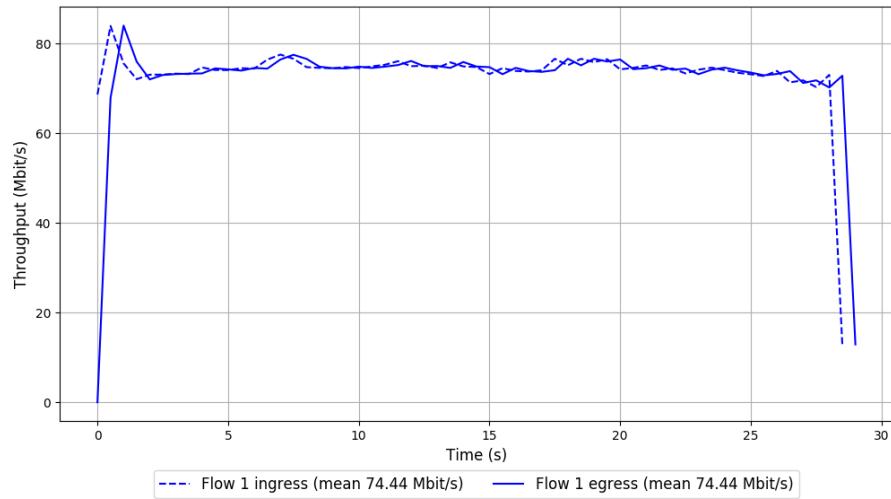


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-01-25 11:06:28
End at: 2019-01-25 11:06:58
Local clock offset: -0.746 ms
Remote clock offset: 0.11 ms

# Below is generated by plot.py at 2019-01-25 12:48:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.44 Mbit/s
95th percentile per-packet one-way delay: 3.712 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 74.44 Mbit/s
95th percentile per-packet one-way delay: 3.712 ms
Loss rate: 0.01%
```

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

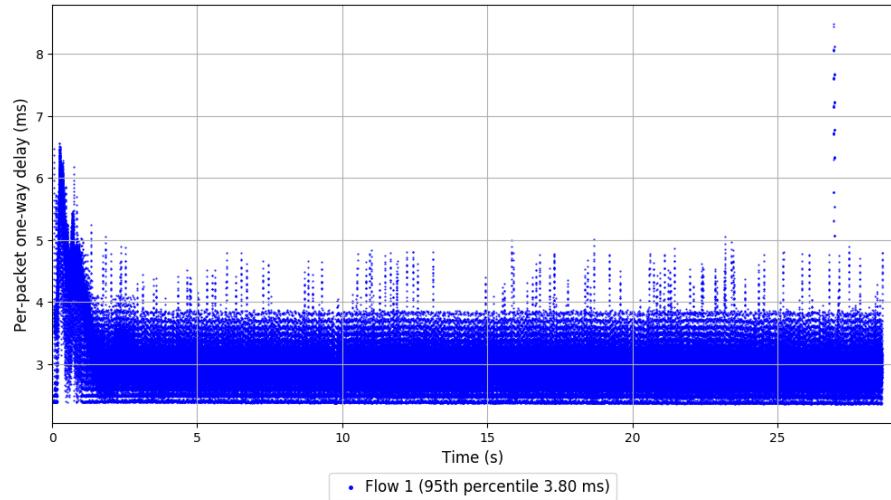
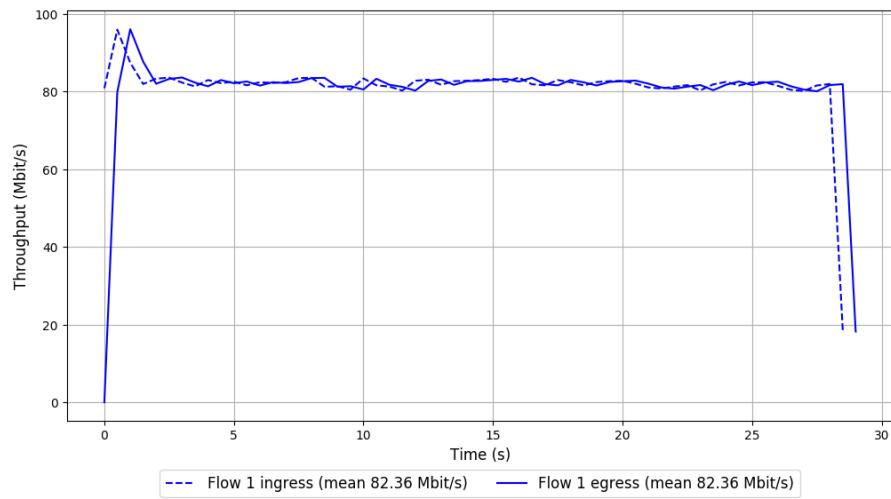


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-01-25 11:30:08
End at: 2019-01-25 11:30:38
Local clock offset: -3.469 ms
Remote clock offset: 0.553 ms

# Below is generated by plot.py at 2019-01-25 12:48:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.36 Mbit/s
95th percentile per-packet one-way delay: 3.798 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 82.36 Mbit/s
95th percentile per-packet one-way delay: 3.798 ms
Loss rate: 0.02%
```

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

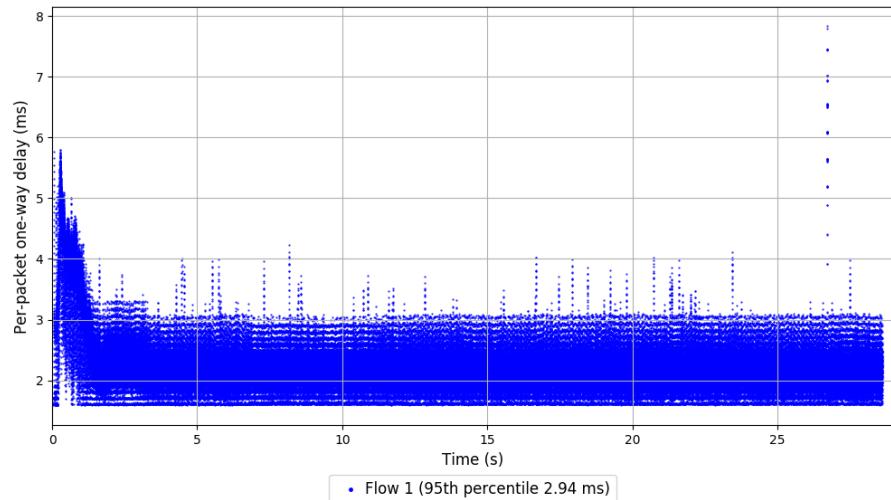
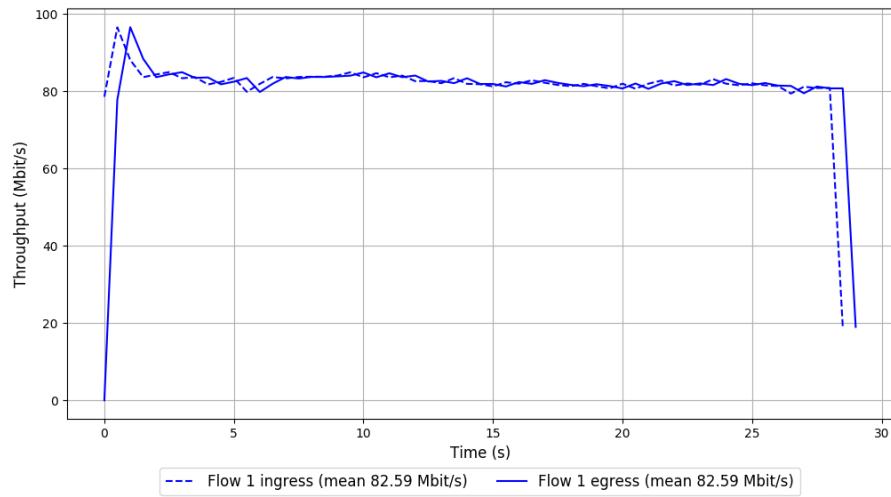


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-01-25 11:53:51
End at: 2019-01-25 11:54:21
Local clock offset: -3.95 ms
Remote clock offset: 0.846 ms

# Below is generated by plot.py at 2019-01-25 12:48:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 2.942 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 2.942 ms
Loss rate: 0.01%
```

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

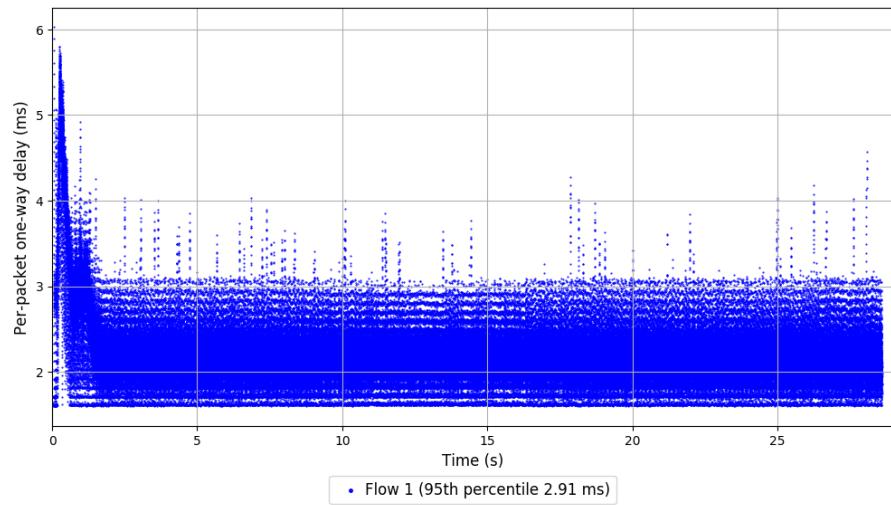
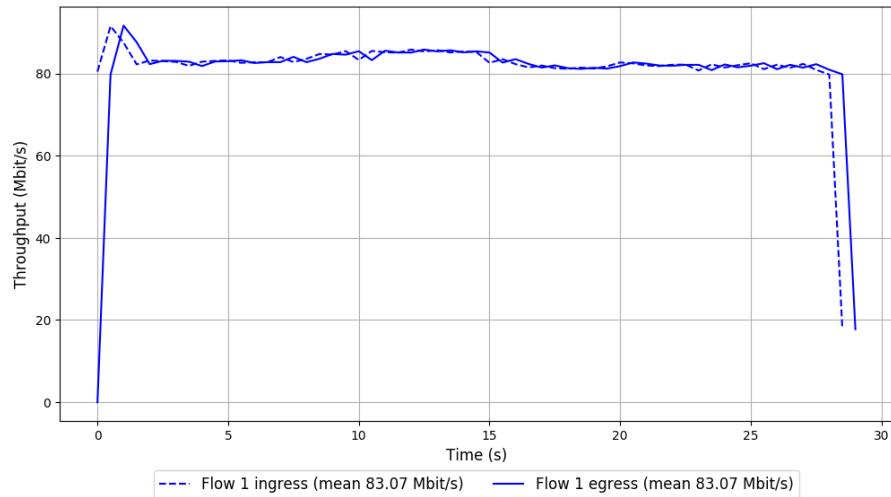


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-01-25 12:17:32
End at: 2019-01-25 12:18:02
Local clock offset: -3.603 ms
Remote clock offset: 1.089 ms

# Below is generated by plot.py at 2019-01-25 12:48:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.07 Mbit/s
95th percentile per-packet one-way delay: 2.906 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 83.07 Mbit/s
95th percentile per-packet one-way delay: 2.906 ms
Loss rate: 0.02%
```

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

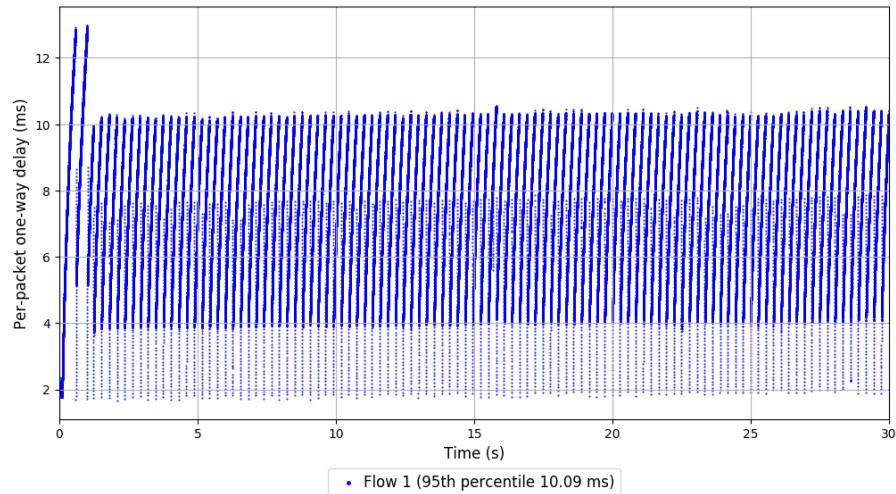
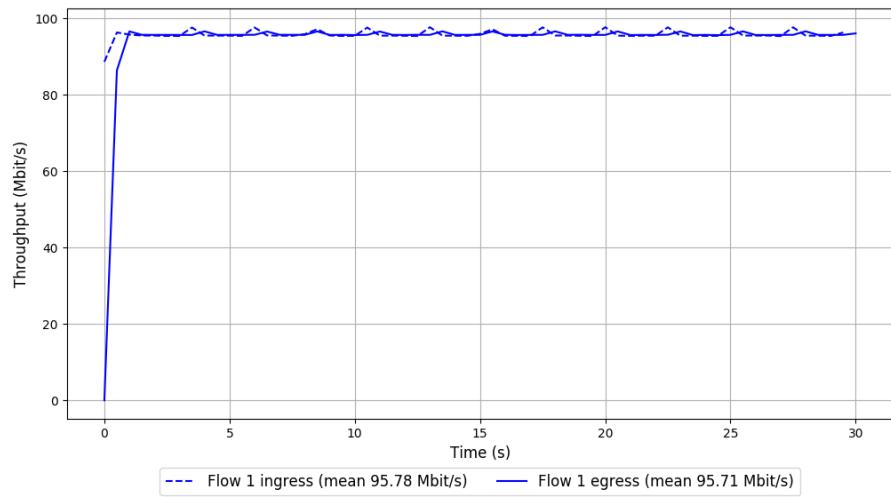


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2019-01-25 11:01:59
End at: 2019-01-25 11:02:29
Local clock offset: 0.219 ms
Remote clock offset: 0.191 ms

# Below is generated by plot.py at 2019-01-25 12:49:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 10.090 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 10.090 ms
Loss rate: 0.07%
```

## Run 1: Report of LEDBAT — Data Link

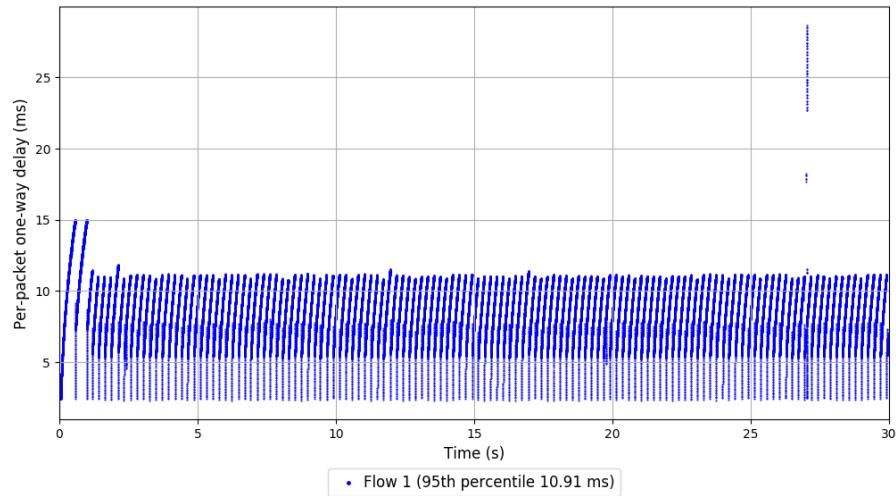
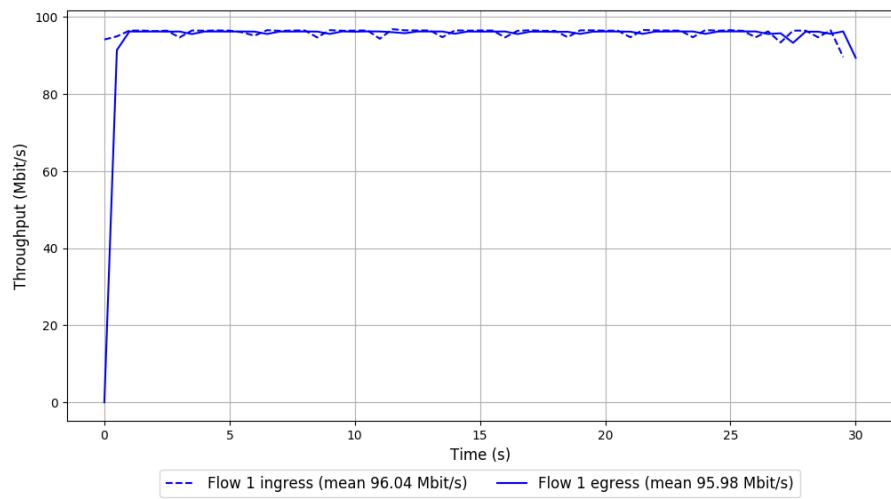


Run 2: Statistics of LEDBAT

```
Start at: 2019-01-25 11:25:40
End at: 2019-01-25 11:26:10
Local clock offset: -3.299 ms
Remote clock offset: 0.498 ms

# Below is generated by plot.py at 2019-01-25 12:49:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 10.915 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.98 Mbit/s
95th percentile per-packet one-way delay: 10.915 ms
Loss rate: 0.08%
```

Run 2: Report of LEDBAT — Data Link

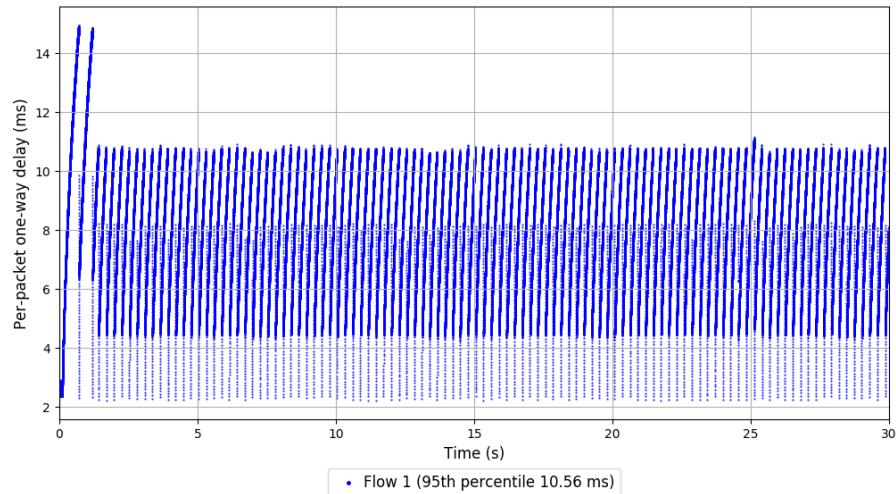
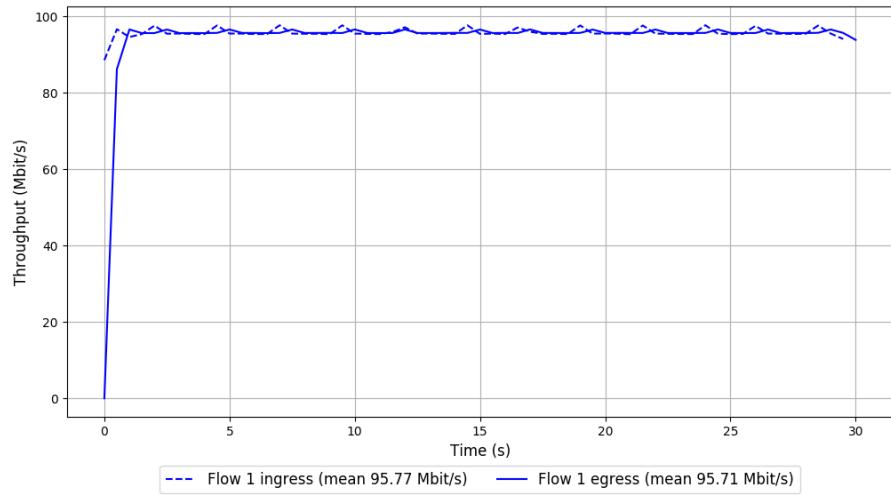


Run 3: Statistics of LEDBAT

```
Start at: 2019-01-25 11:49:23
End at: 2019-01-25 11:49:53
Local clock offset: -3.089 ms
Remote clock offset: 0.87 ms

# Below is generated by plot.py at 2019-01-25 12:49:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 10.564 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 95.71 Mbit/s
95th percentile per-packet one-way delay: 10.564 ms
Loss rate: 0.08%
```

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

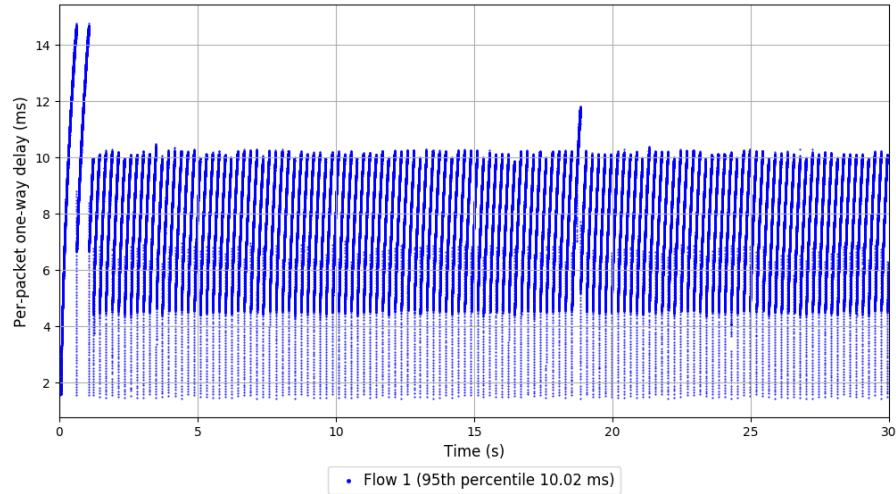
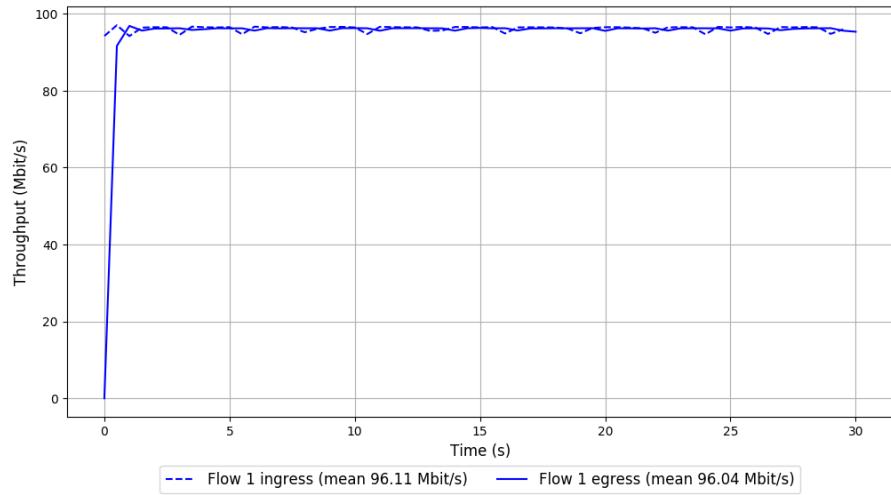


Run 4: Statistics of LEDBAT

```
Start at: 2019-01-25 12:13:03
End at: 2019-01-25 12:13:33
Local clock offset: -3.619 ms
Remote clock offset: 1.072 ms

# Below is generated by plot.py at 2019-01-25 12:49:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 10.015 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 96.04 Mbit/s
95th percentile per-packet one-way delay: 10.015 ms
Loss rate: 0.08%
```

Run 4: Report of LEDBAT — Data Link

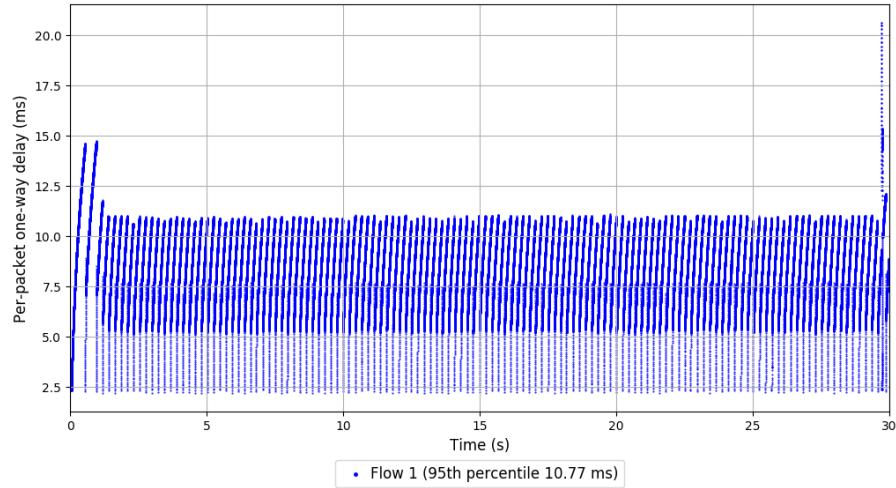
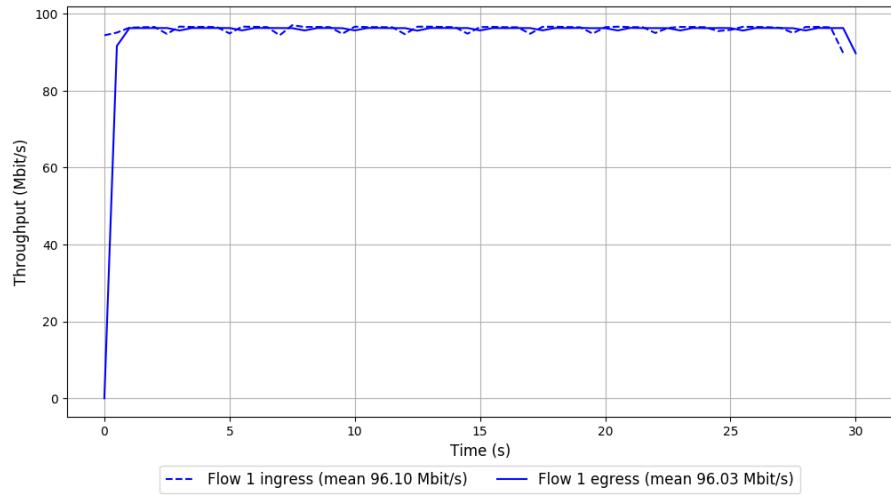


Run 5: Statistics of LEDBAT

```
Start at: 2019-01-25 12:36:48
End at: 2019-01-25 12:37:18
Local clock offset: -3.514 ms
Remote clock offset: 0.938 ms

# Below is generated by plot.py at 2019-01-25 12:49:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 10.772 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 96.03 Mbit/s
95th percentile per-packet one-way delay: 10.772 ms
Loss rate: 0.09%
```

Run 5: Report of LEDBAT — Data Link

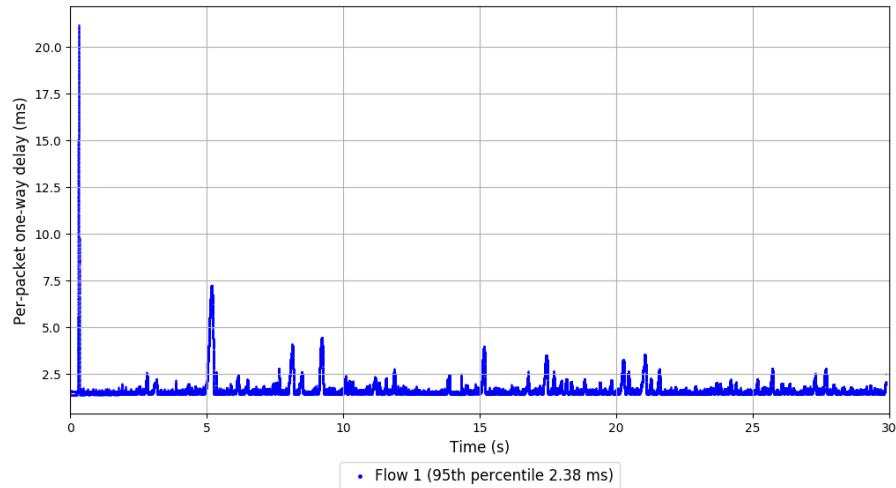
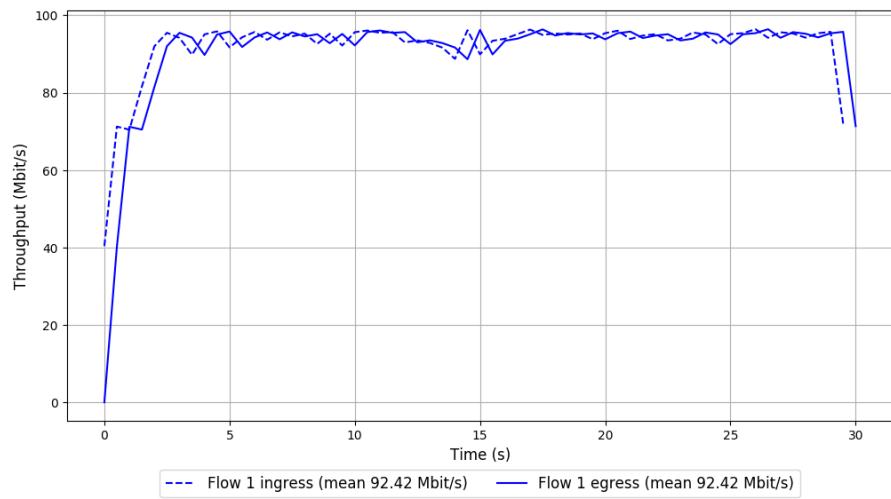


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-01-25 10:51:53
End at: 2019-01-25 10:52:23
Local clock offset: 1.153 ms
Remote clock offset: 0.029 ms

# Below is generated by plot.py at 2019-01-25 12:49:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 2.376 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 92.42 Mbit/s
95th percentile per-packet one-way delay: 2.376 ms
Loss rate: 0.02%
```

Run 1: Report of PCC-Allegro — Data Link

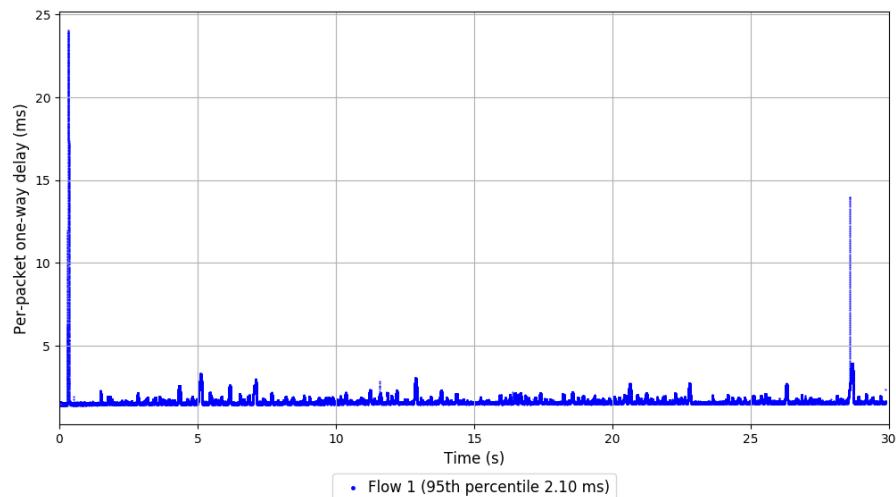
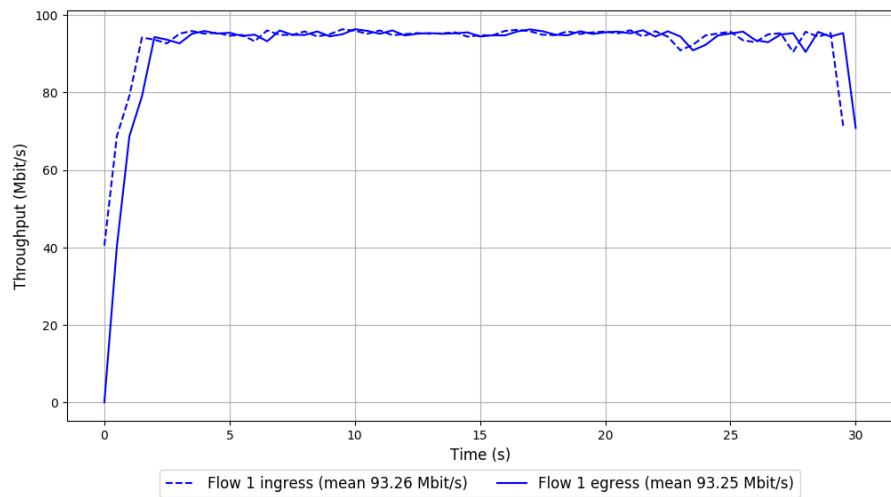


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-01-25 11:15:34
End at: 2019-01-25 11:16:04
Local clock offset: -3.309 ms
Remote clock offset: 0.416 ms

# Below is generated by plot.py at 2019-01-25 12:49:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 2.096 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.25 Mbit/s
95th percentile per-packet one-way delay: 2.096 ms
Loss rate: 0.02%
```

Run 2: Report of PCC-Allegro — Data Link

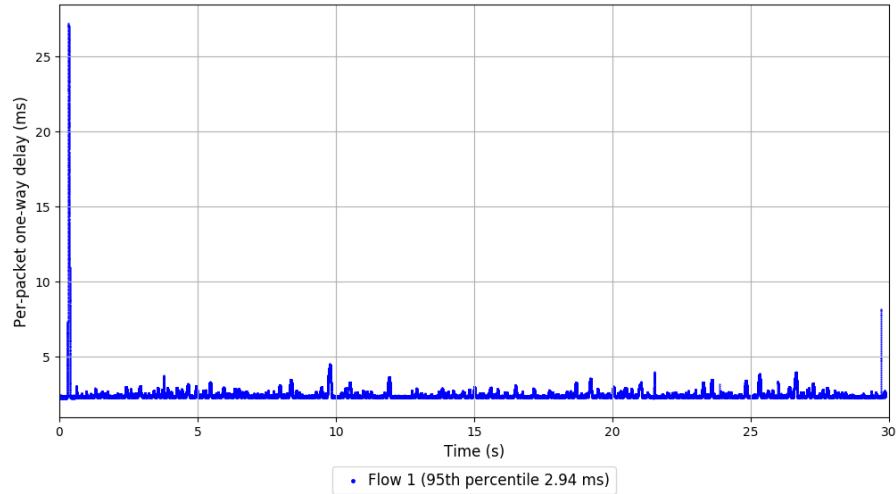
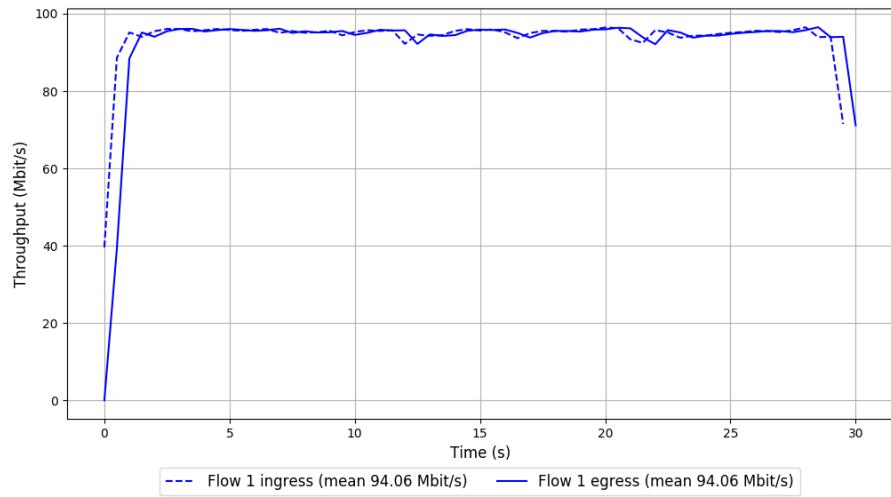


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-01-25 11:39:14
End at: 2019-01-25 11:39:44
Local clock offset: -3.176 ms
Remote clock offset: 0.68 ms

# Below is generated by plot.py at 2019-01-25 12:49:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.06 Mbit/s
95th percentile per-packet one-way delay: 2.935 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.06 Mbit/s
95th percentile per-packet one-way delay: 2.935 ms
Loss rate: 0.01%
```

Run 3: Report of PCC-Allegro — Data Link

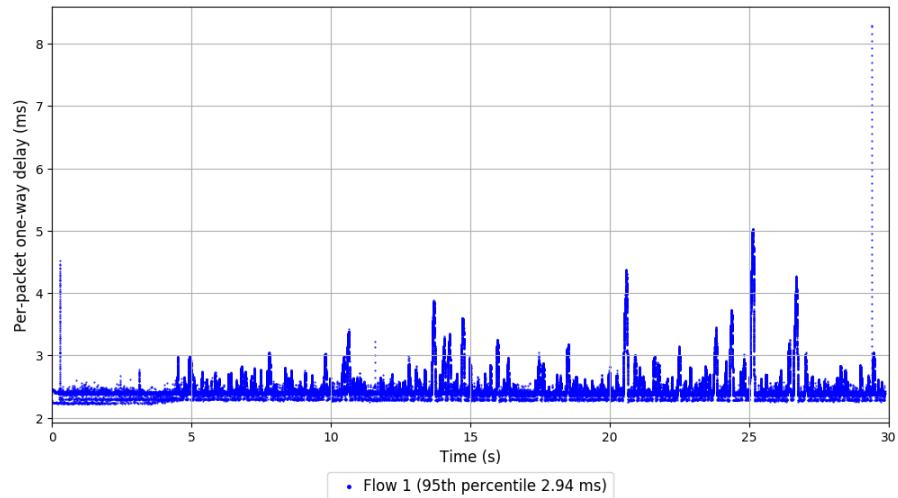
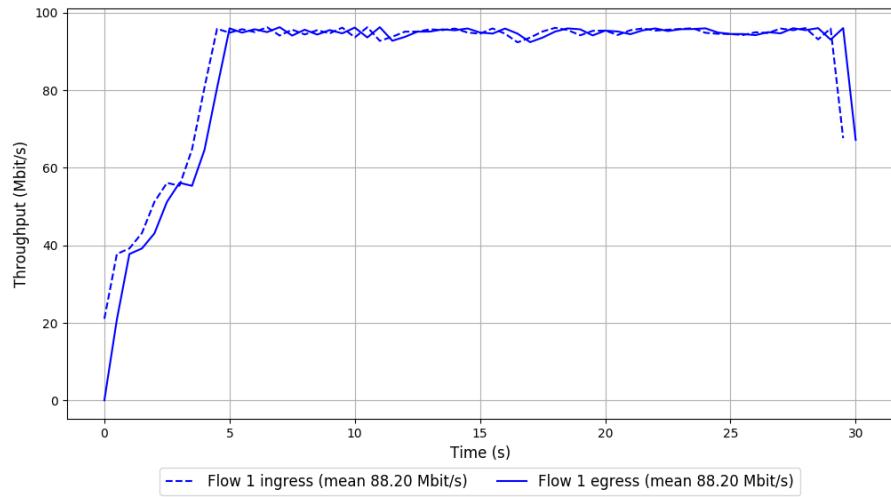


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-01-25 12:02:58
End at: 2019-01-25 12:03:28
Local clock offset: -3.026 ms
Remote clock offset: 0.943 ms

# Below is generated by plot.py at 2019-01-25 12:50:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.20 Mbit/s
95th percentile per-packet one-way delay: 2.936 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 88.20 Mbit/s
95th percentile per-packet one-way delay: 2.936 ms
Loss rate: 0.02%
```

Run 4: Report of PCC-Allegro — Data Link

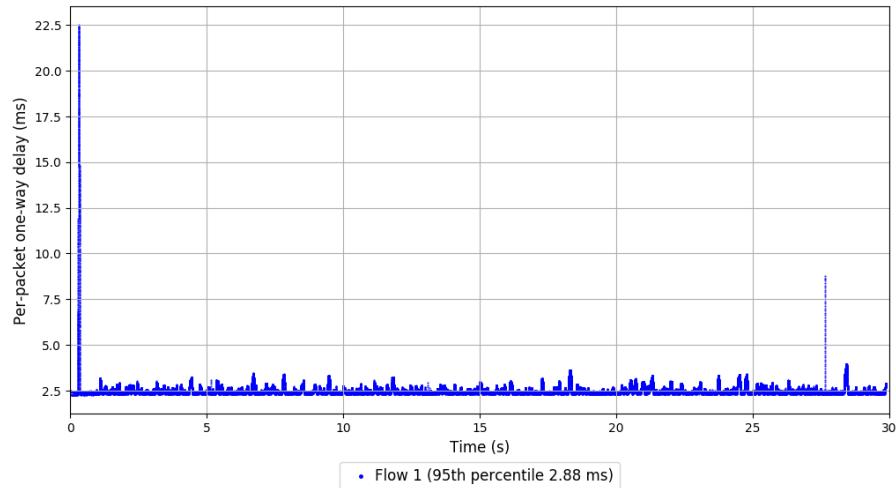
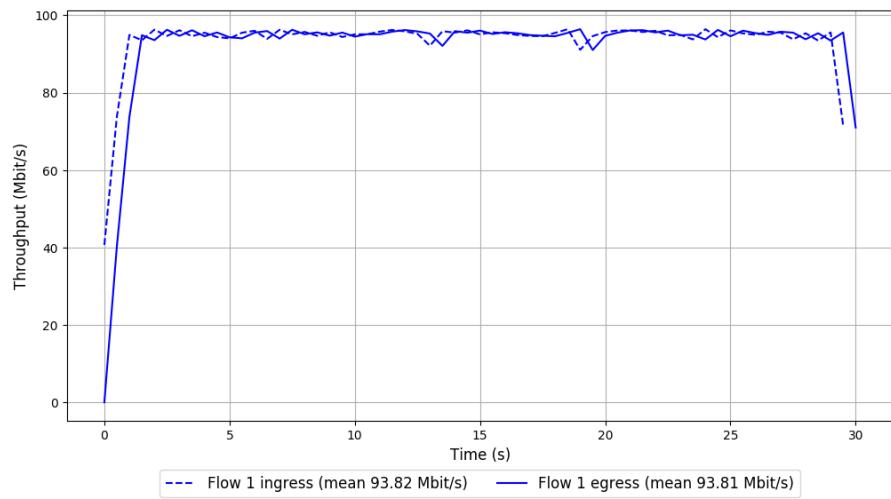


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-01-25 12:26:38
End at: 2019-01-25 12:27:08
Local clock offset: -2.869 ms
Remote clock offset: 1.009 ms

# Below is generated by plot.py at 2019-01-25 12:50:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.81 Mbit/s
95th percentile per-packet one-way delay: 2.884 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 93.81 Mbit/s
95th percentile per-packet one-way delay: 2.884 ms
Loss rate: 0.02%
```

Run 5: Report of PCC-Allegro — Data Link

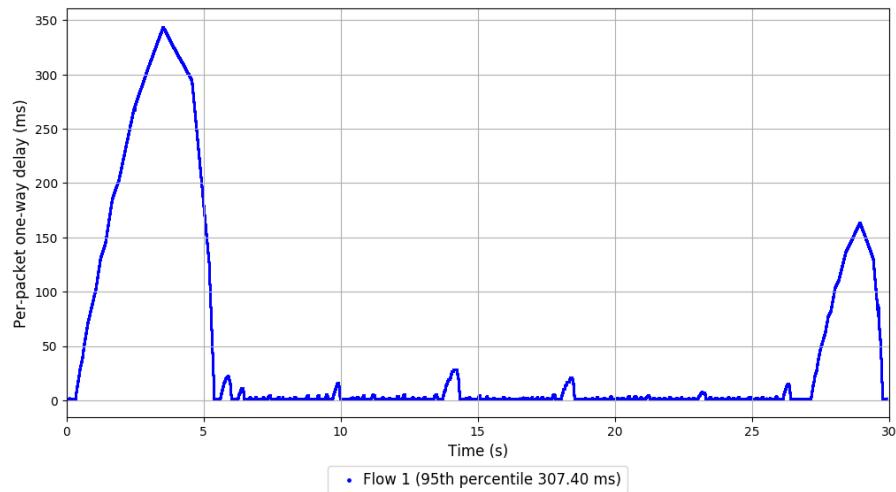
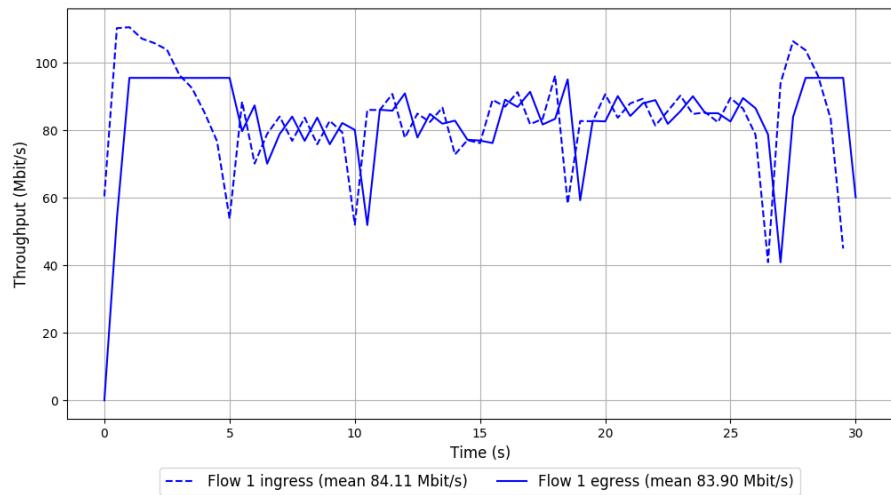


Run 1: Statistics of PCC-Expr

```
Start at: 2019-01-25 10:58:34
End at: 2019-01-25 10:59:04
Local clock offset: 1.452 ms
Remote clock offset: 0.126 ms

# Below is generated by plot.py at 2019-01-25 12:51:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.90 Mbit/s
95th percentile per-packet one-way delay: 307.399 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 83.90 Mbit/s
95th percentile per-packet one-way delay: 307.399 ms
Loss rate: 0.26%
```

Run 1: Report of PCC-Expr — Data Link

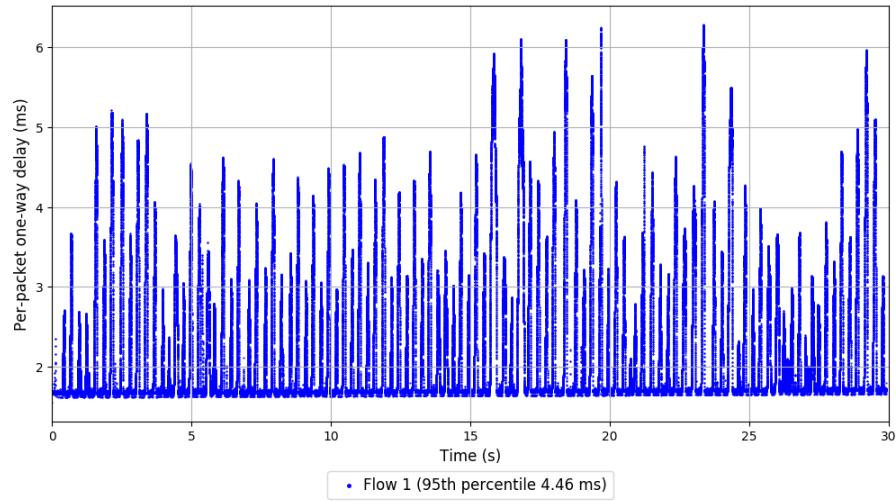
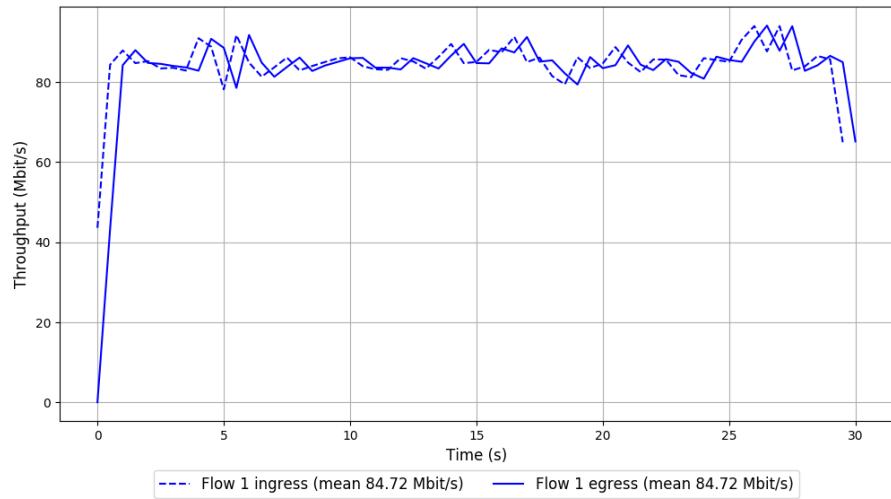


Run 2: Statistics of PCC-Expr

```
Start at: 2019-01-25 11:22:16
End at: 2019-01-25 11:22:46
Local clock offset: -3.853 ms
Remote clock offset: 0.478 ms

# Below is generated by plot.py at 2019-01-25 12:51:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.72 Mbit/s
95th percentile per-packet one-way delay: 4.457 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 84.72 Mbit/s
95th percentile per-packet one-way delay: 4.457 ms
Loss rate: 0.01%
```

Run 2: Report of PCC-Expr — Data Link

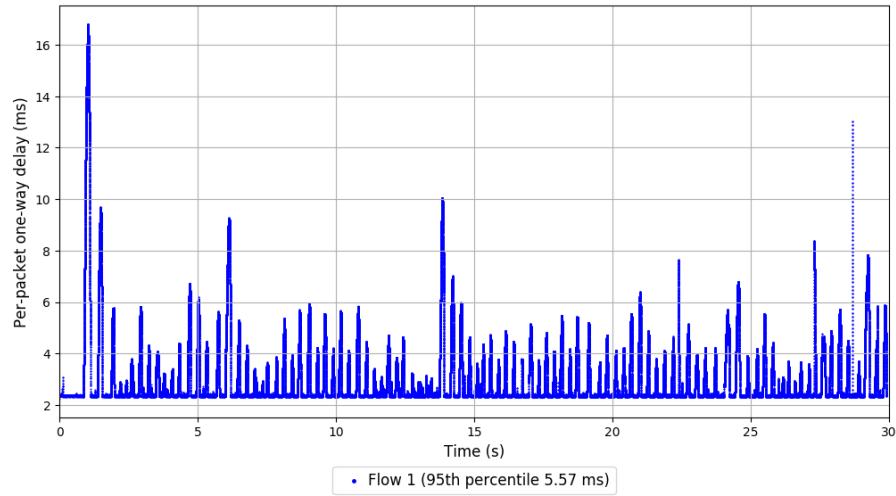
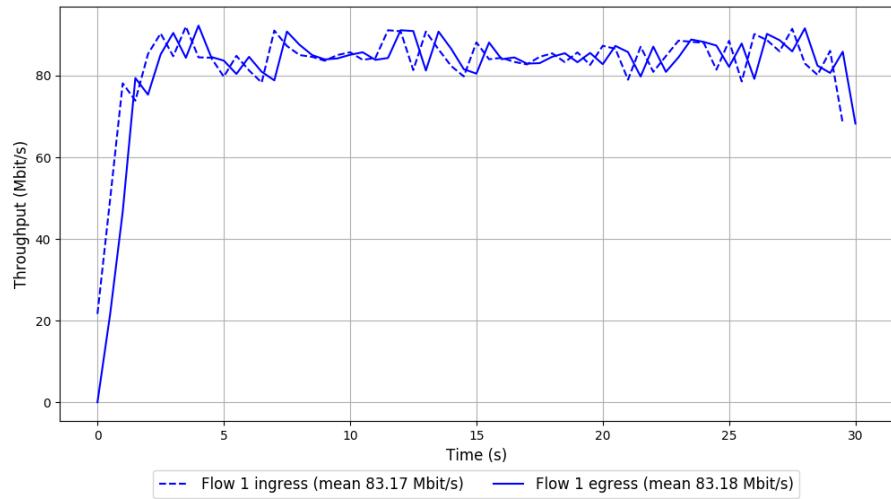


Run 3: Statistics of PCC-Expr

```
Start at: 2019-01-25 11:46:00
End at: 2019-01-25 11:46:30
Local clock offset: -3.129 ms
Remote clock offset: 0.792 ms

# Below is generated by plot.py at 2019-01-25 12:51:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.18 Mbit/s
95th percentile per-packet one-way delay: 5.568 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 83.18 Mbit/s
95th percentile per-packet one-way delay: 5.568 ms
Loss rate: 0.01%
```

Run 3: Report of PCC-Expr — Data Link

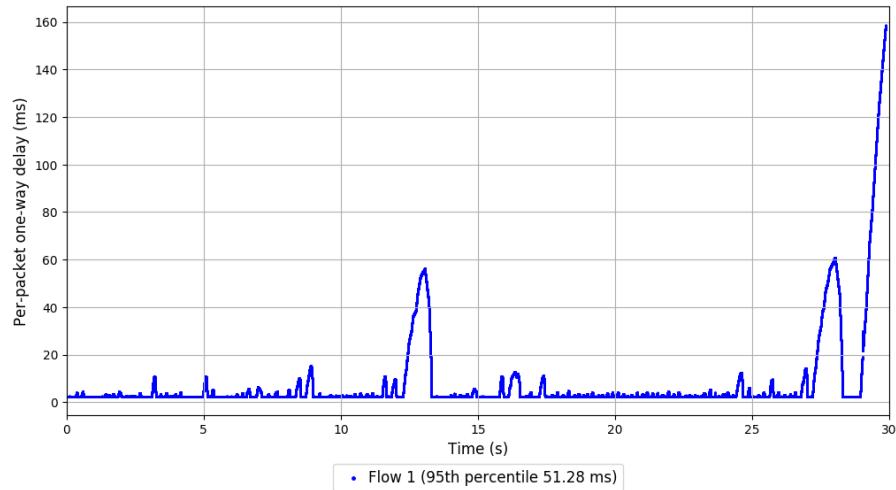
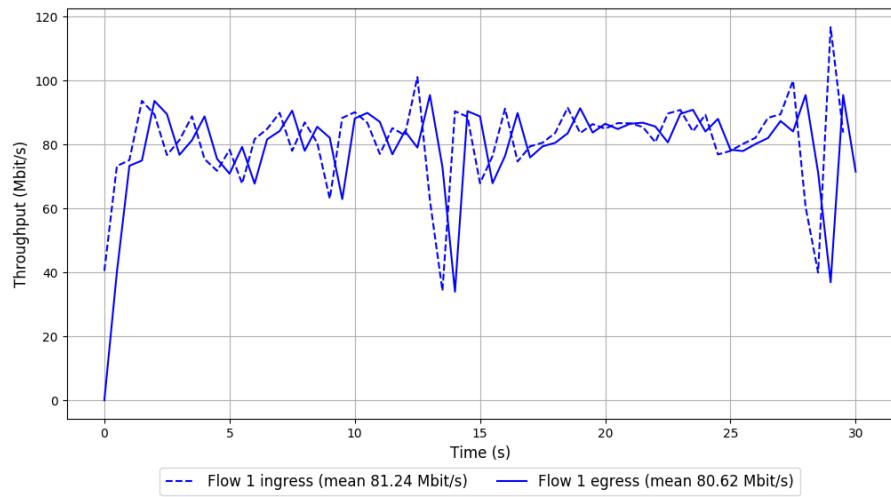


Run 4: Statistics of PCC-Expr

```
Start at: 2019-01-25 12:09:39
End at: 2019-01-25 12:10:09
Local clock offset: -2.888 ms
Remote clock offset: 0.963 ms

# Below is generated by plot.py at 2019-01-25 12:51:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.62 Mbit/s
95th percentile per-packet one-way delay: 51.284 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 80.62 Mbit/s
95th percentile per-packet one-way delay: 51.284 ms
Loss rate: 0.77%
```

Run 4: Report of PCC-Expr — Data Link

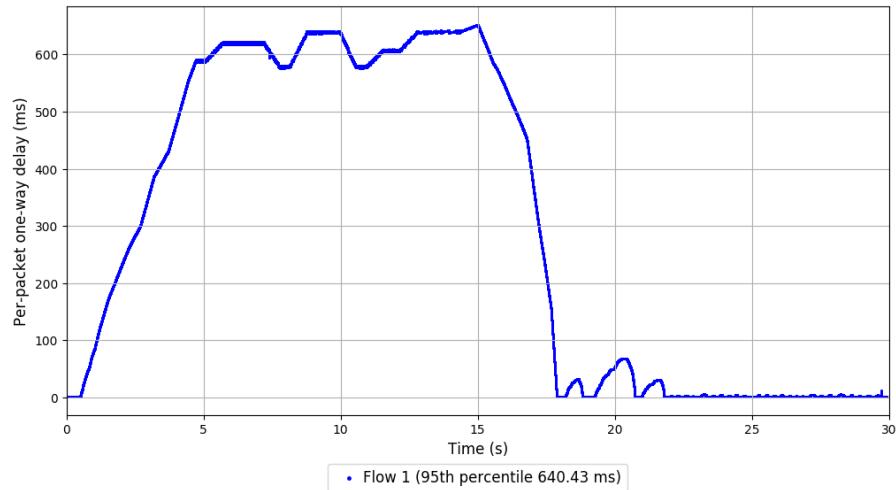
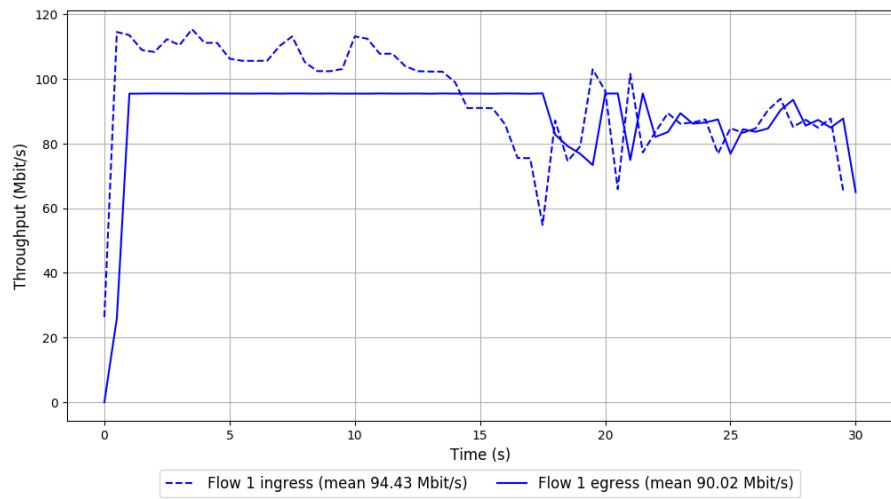


```
Run 5: Statistics of PCC-Expr
```

```
Start at: 2019-01-25 12:33:23
End at: 2019-01-25 12:33:53
Local clock offset: -4.008 ms
Remote clock offset: 0.999 ms

# Below is generated by plot.py at 2019-01-25 12:51:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.02 Mbit/s
95th percentile per-packet one-way delay: 640.426 ms
Loss rate: 4.69%
-- Flow 1:
Average throughput: 90.02 Mbit/s
95th percentile per-packet one-way delay: 640.426 ms
Loss rate: 4.69%
```

Run 5: Report of PCC-Expr — Data Link

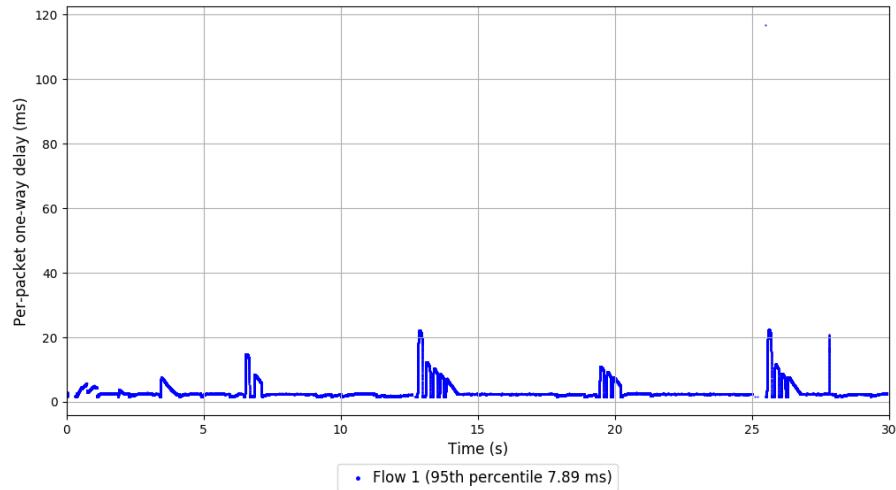
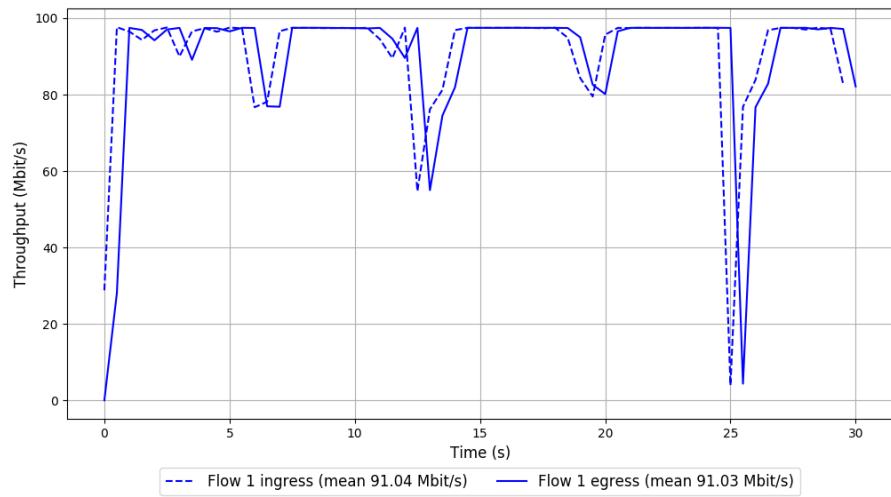


```
Run 1: Statistics of QUIC Cubic

Start at: 2019-01-25 10:50:45
End at: 2019-01-25 10:51:15
Local clock offset: 1.177 ms
Remote clock offset: -0.018 ms

# Below is generated by plot.py at 2019-01-25 12:51:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.03 Mbit/s
95th percentile per-packet one-way delay: 7.895 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 91.03 Mbit/s
95th percentile per-packet one-way delay: 7.895 ms
Loss rate: 0.02%
```

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

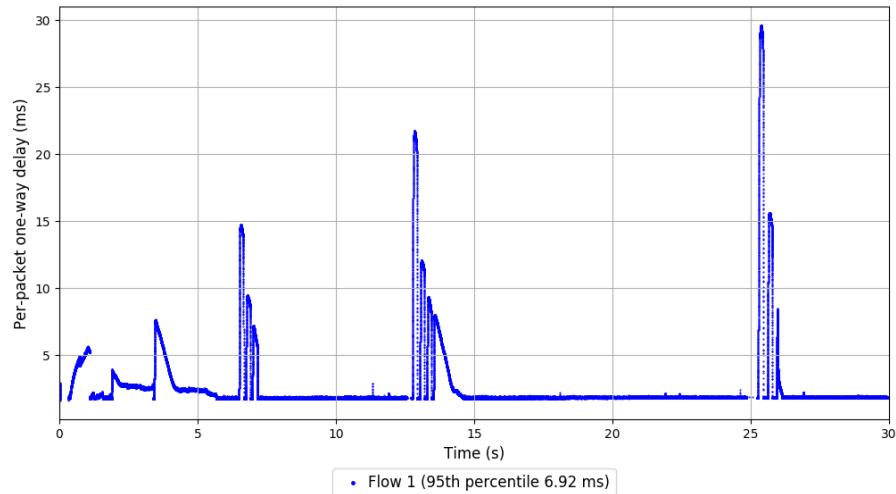
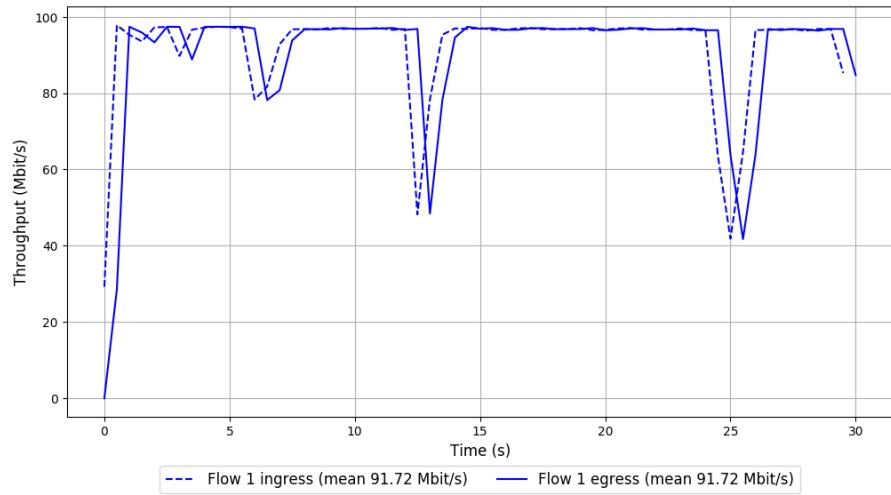


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-01-25 11:14:26
End at: 2019-01-25 11:14:56
Local clock offset: -3.086 ms
Remote clock offset: 0.328 ms

# Below is generated by plot.py at 2019-01-25 12:51:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.72 Mbit/s
95th percentile per-packet one-way delay: 6.918 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 91.72 Mbit/s
95th percentile per-packet one-way delay: 6.918 ms
Loss rate: 0.02%
```

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

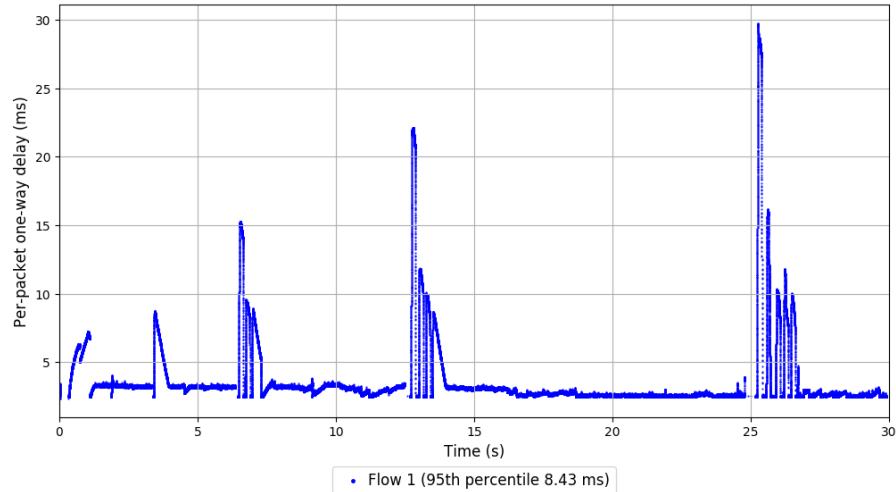
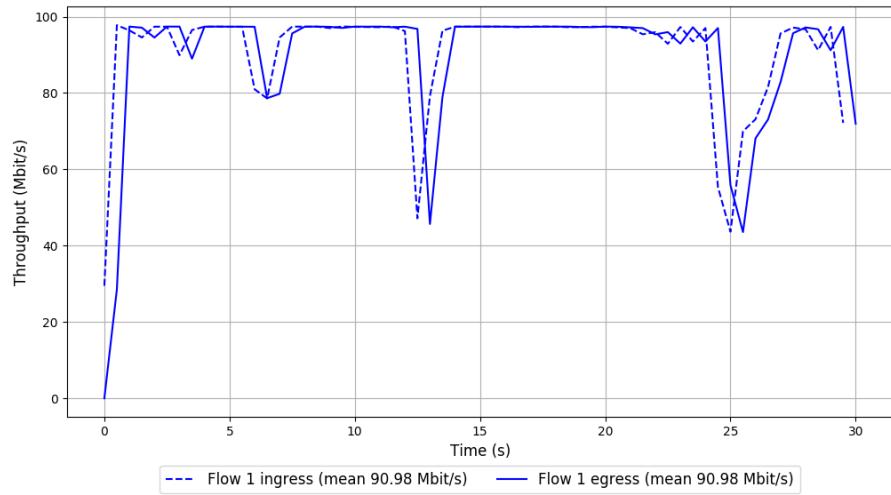


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-01-25 11:38:06
End at: 2019-01-25 11:38:36
Local clock offset: -3.116 ms
Remote clock offset: 0.598 ms

# Below is generated by plot.py at 2019-01-25 12:51:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.98 Mbit/s
95th percentile per-packet one-way delay: 8.432 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 90.98 Mbit/s
95th percentile per-packet one-way delay: 8.432 ms
Loss rate: 0.02%
```

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

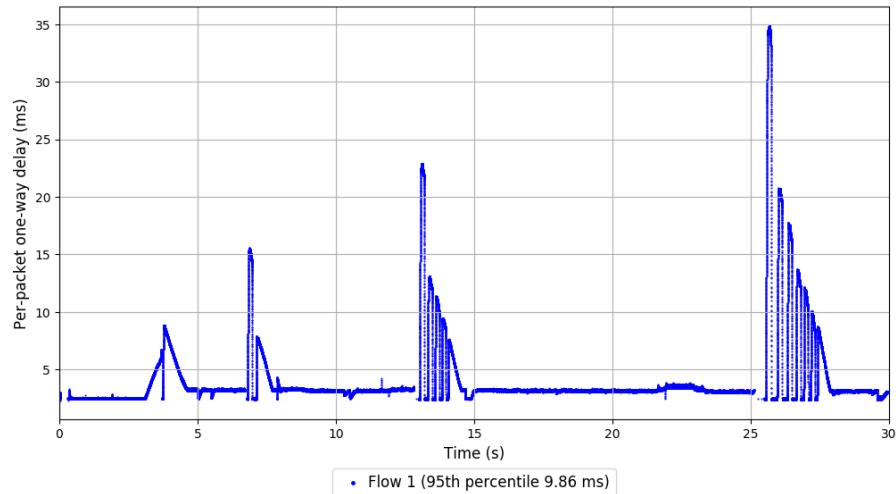
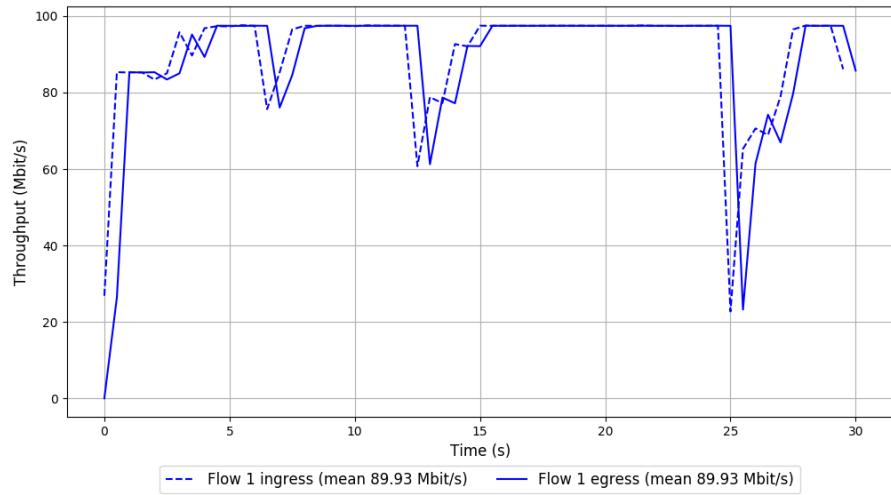


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-01-25 12:01:50
End at: 2019-01-25 12:02:20
Local clock offset: -3.101 ms
Remote clock offset: 0.879 ms

# Below is generated by plot.py at 2019-01-25 12:52:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.93 Mbit/s
95th percentile per-packet one-way delay: 9.862 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.93 Mbit/s
95th percentile per-packet one-way delay: 9.862 ms
Loss rate: 0.02%
```

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

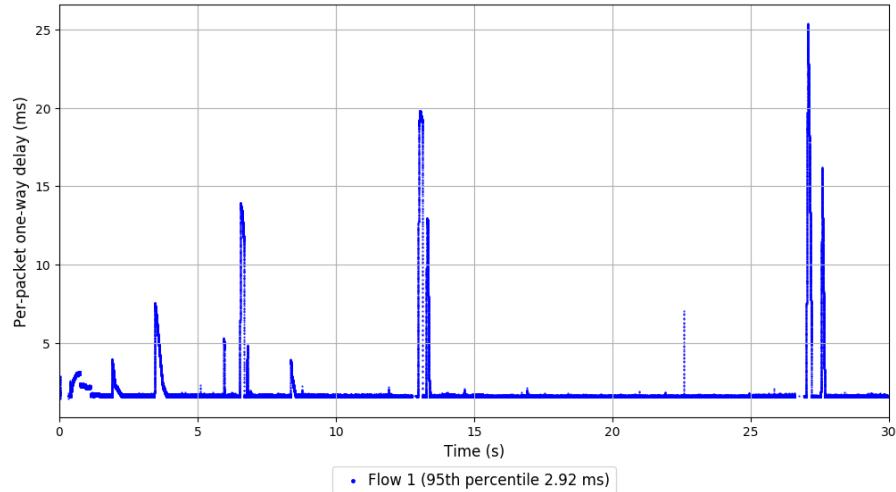
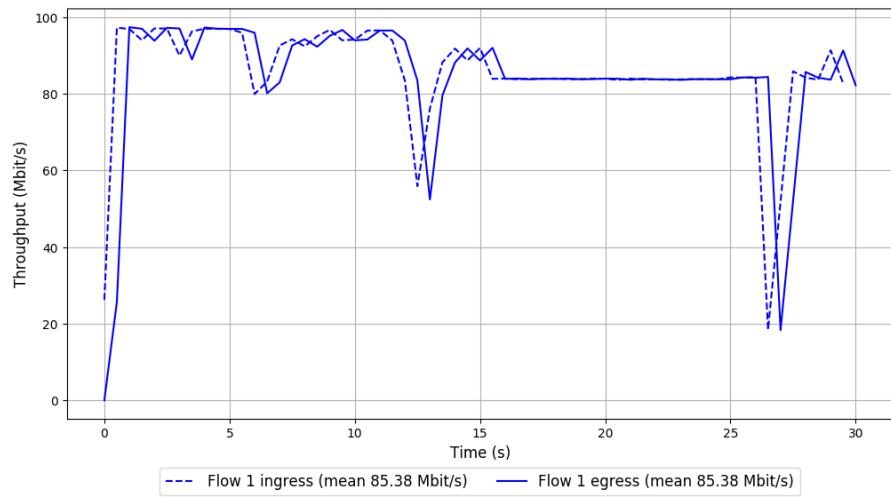


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-01-25 12:25:30
End at: 2019-01-25 12:26:00
Local clock offset: -3.693 ms
Remote clock offset: 1.023 ms

# Below is generated by plot.py at 2019-01-25 12:52:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.38 Mbit/s
95th percentile per-packet one-way delay: 2.921 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 85.38 Mbit/s
95th percentile per-packet one-way delay: 2.921 ms
Loss rate: 0.02%
```

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

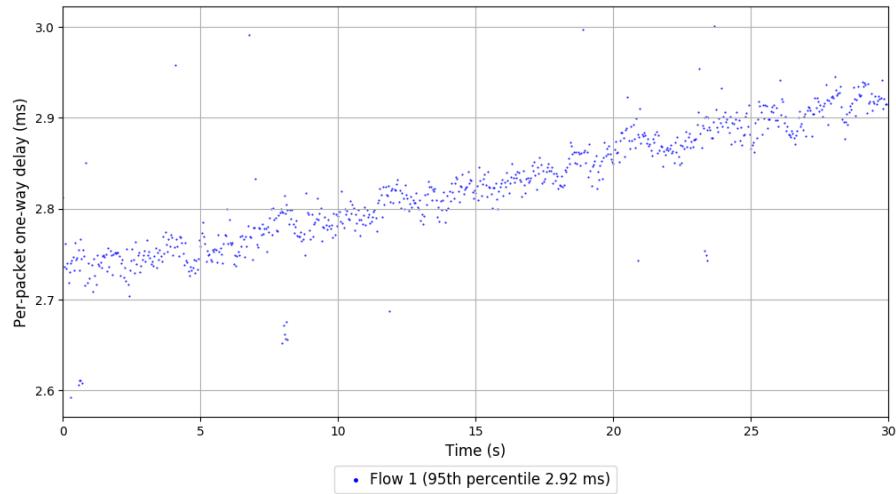
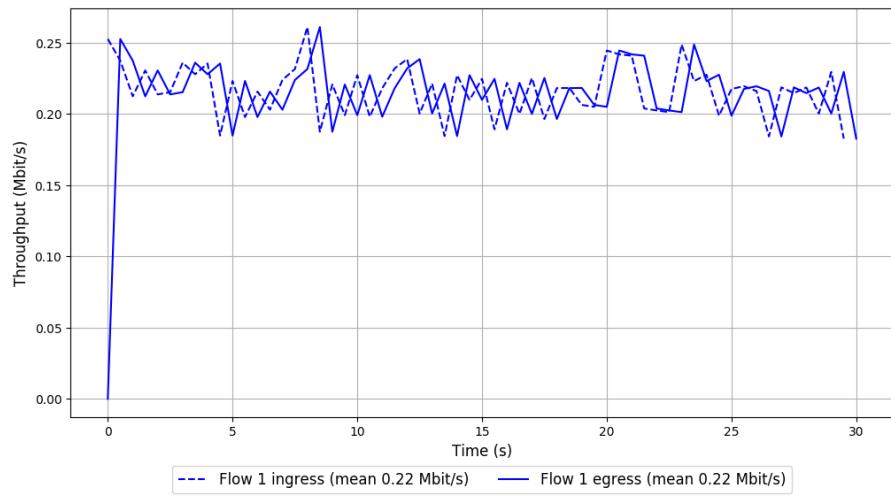


```
Run 1: Statistics of SCReAM

Start at: 2019-01-25 11:03:08
End at: 2019-01-25 11:03:38
Local clock offset: 0.502 ms
Remote clock offset: 0.051 ms

# Below is generated by plot.py at 2019-01-25 12:52:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.921 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 2.921 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

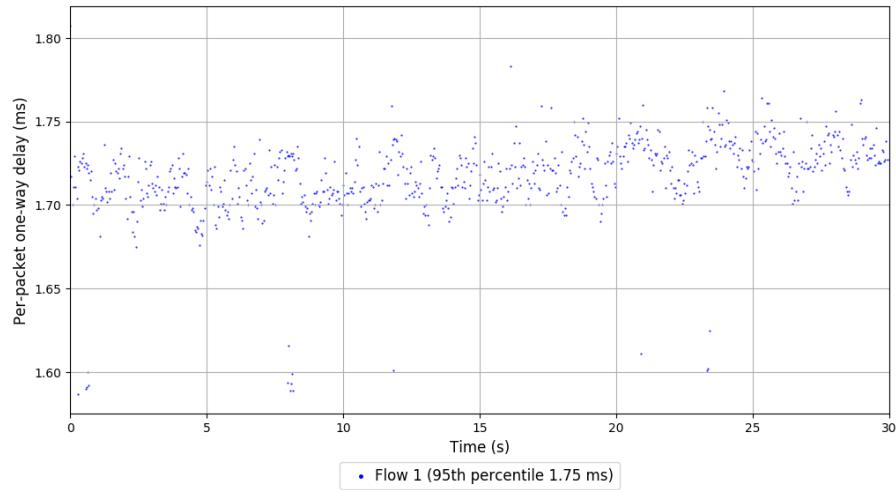
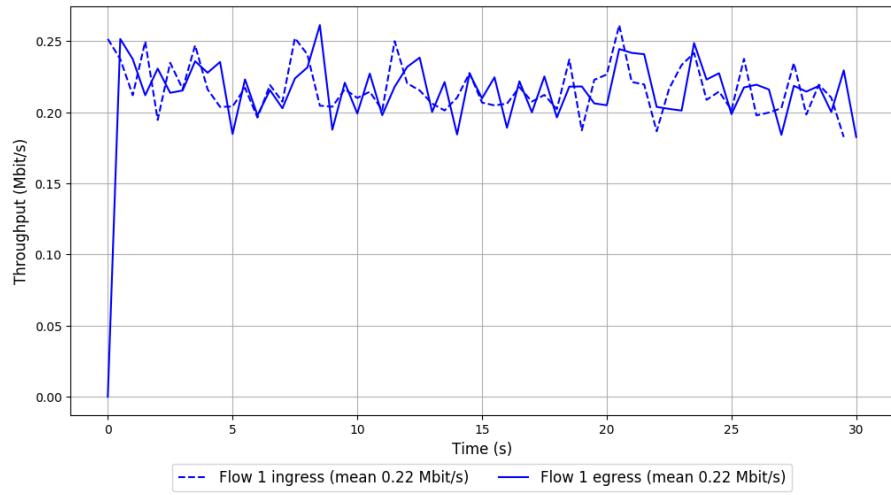


Run 2: Statistics of SCReAM

```
Start at: 2019-01-25 11:26:50
End at: 2019-01-25 11:27:20
Local clock offset: -4.115 ms
Remote clock offset: 0.521 ms

# Below is generated by plot.py at 2019-01-25 12:52:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.745 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.745 ms
Loss rate: 0.00%
```

## Run 2: Report of SCReAM — Data Link

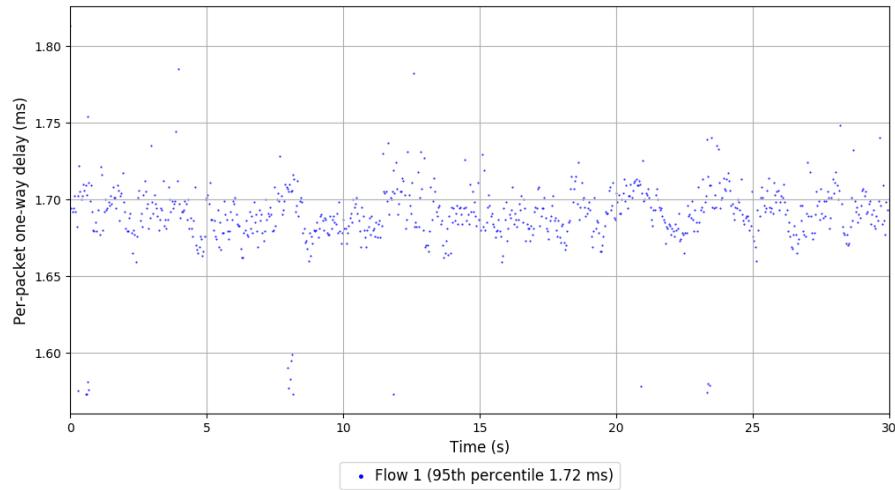
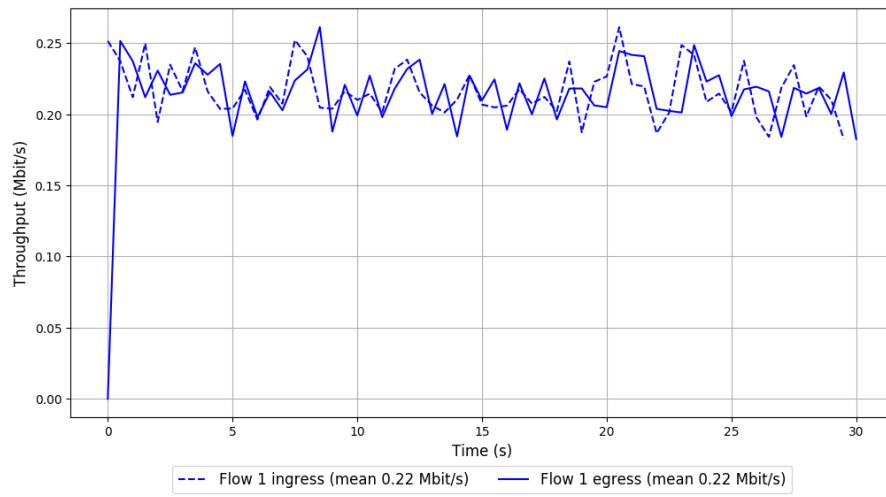


Run 3: Statistics of SCReAM

```
Start at: 2019-01-25 11:50:32
End at: 2019-01-25 11:51:02
Local clock offset: -3.853 ms
Remote clock offset: 0.784 ms

# Below is generated by plot.py at 2019-01-25 12:52:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.715 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.715 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

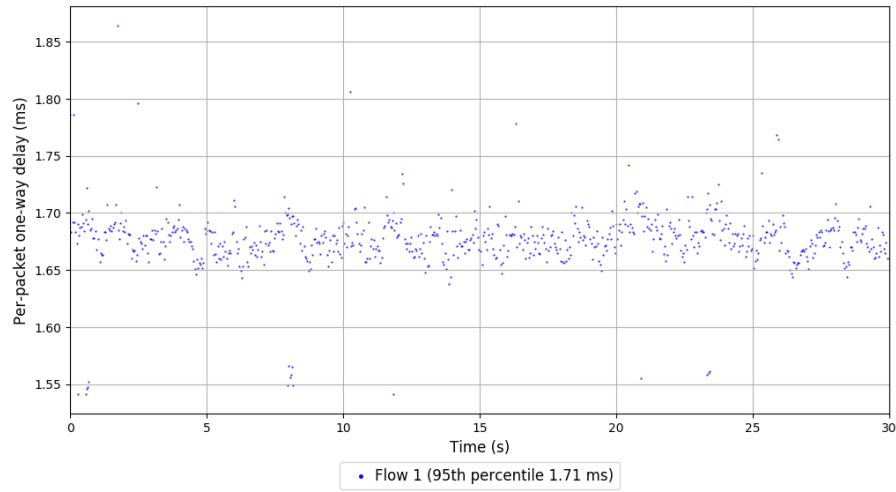
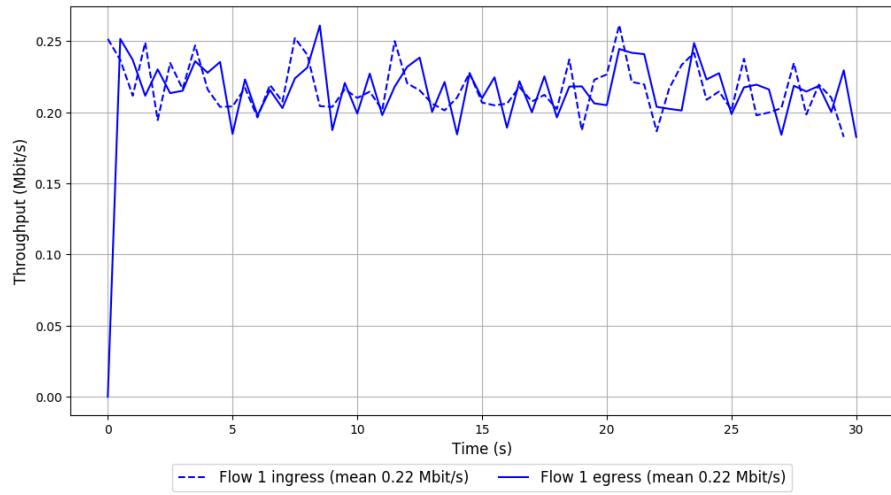


Run 4: Statistics of SCReAM

```
Start at: 2019-01-25 12:14:13
End at: 2019-01-25 12:14:43
Local clock offset: -3.609 ms
Remote clock offset: 0.992 ms

# Below is generated by plot.py at 2019-01-25 12:52:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.706 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.706 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

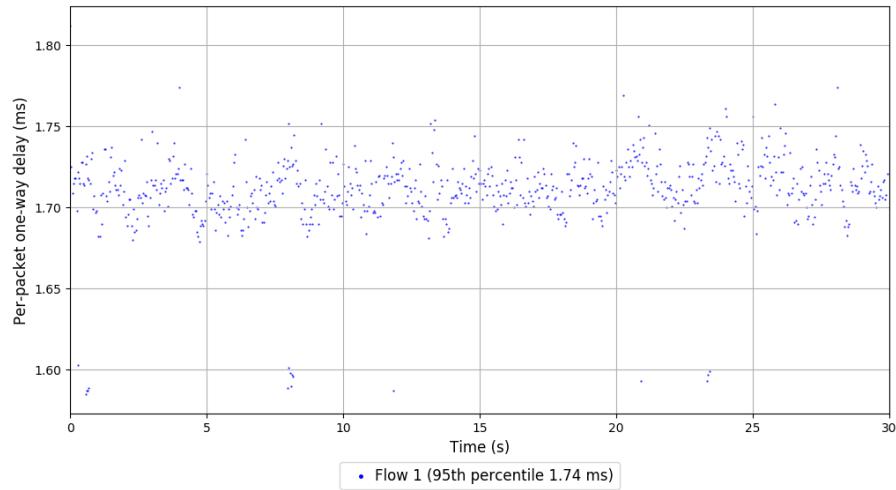
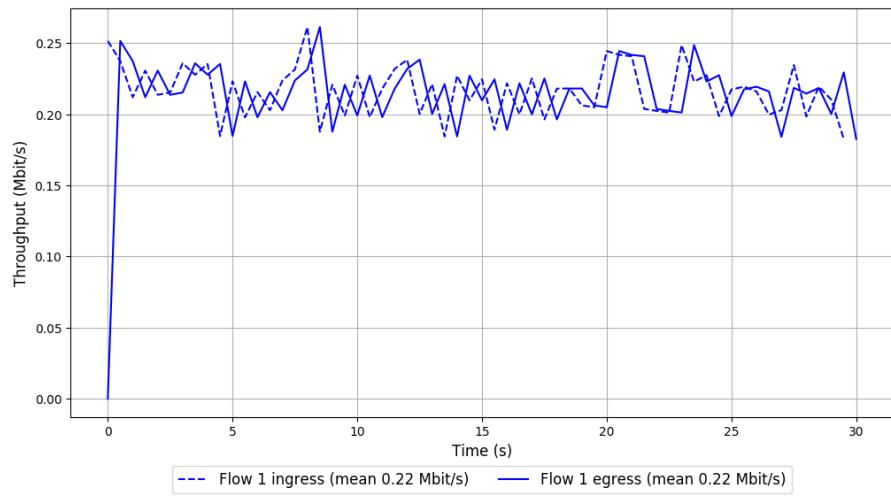


Run 5: Statistics of SCReAM

```
Start at: 2019-01-25 12:37:58
End at: 2019-01-25 12:38:28
Local clock offset: -4.275 ms
Remote clock offset: 0.854 ms

# Below is generated by plot.py at 2019-01-25 12:52:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.740 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 1.740 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

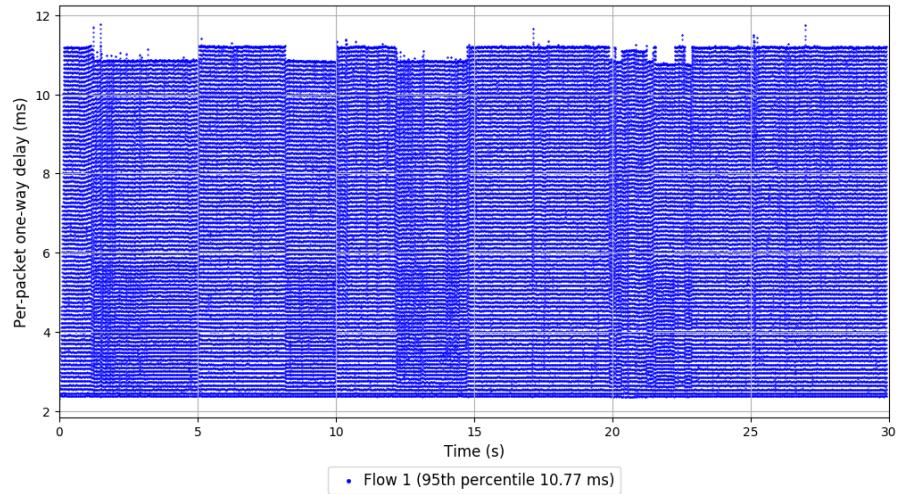
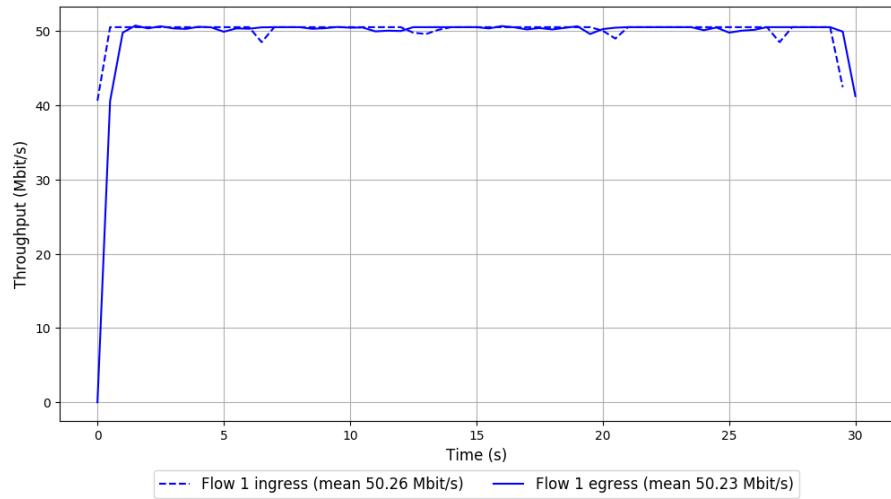


Run 1: Statistics of Sprout

```
Start at: 2019-01-25 10:55:13
End at: 2019-01-25 10:55:43
Local clock offset: 2.085 ms
Remote clock offset: 0.08 ms

# Below is generated by plot.py at 2019-01-25 12:52:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 10.774 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 10.774 ms
Loss rate: 0.06%
```

Run 1: Report of Sprout — Data Link

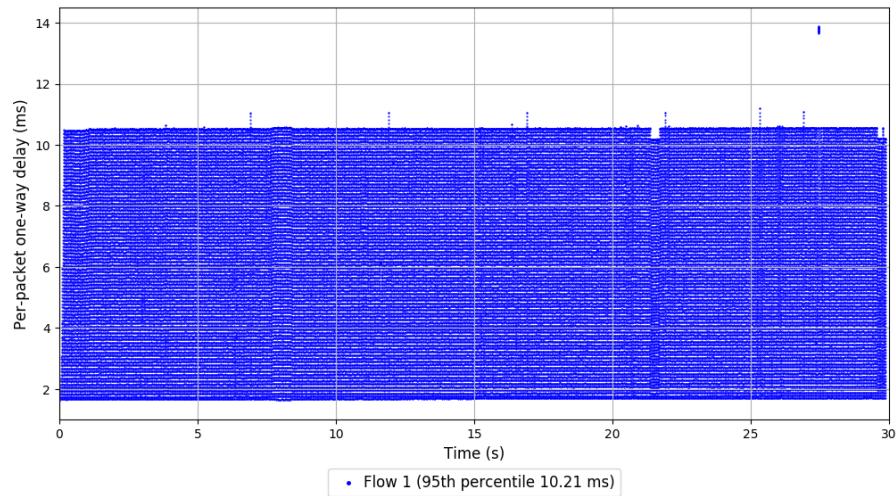
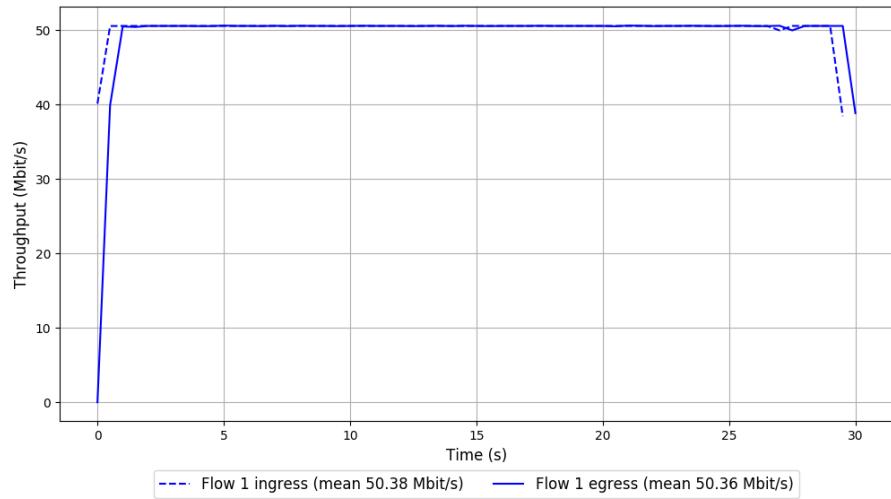


Run 2: Statistics of Sprout

```
Start at: 2019-01-25 11:18:55
End at: 2019-01-25 11:19:25
Local clock offset: -3.581 ms
Remote clock offset: 0.475 ms

# Below is generated by plot.py at 2019-01-25 12:52:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 10.215 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.36 Mbit/s
95th percentile per-packet one-way delay: 10.215 ms
Loss rate: 0.00%
```

## Run 2: Report of Sprout — Data Link

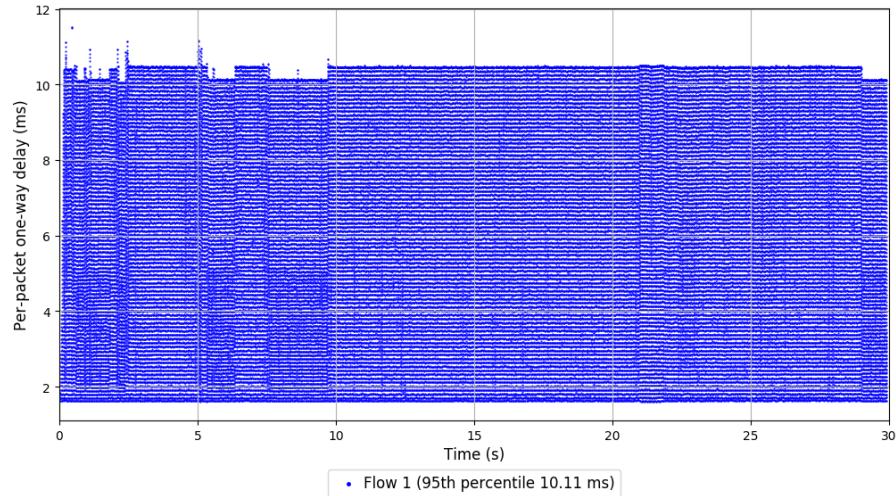
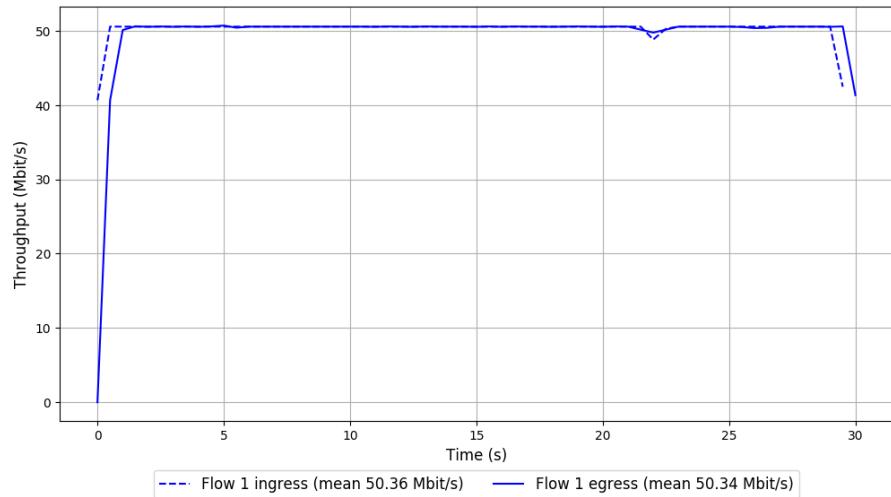


Run 3: Statistics of Sprout

```
Start at: 2019-01-25 11:42:38
End at: 2019-01-25 11:43:08
Local clock offset: -3.834 ms
Remote clock offset: 0.798 ms

# Below is generated by plot.py at 2019-01-25 12:52:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 10.109 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 50.34 Mbit/s
95th percentile per-packet one-way delay: 10.109 ms
Loss rate: 0.05%
```

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

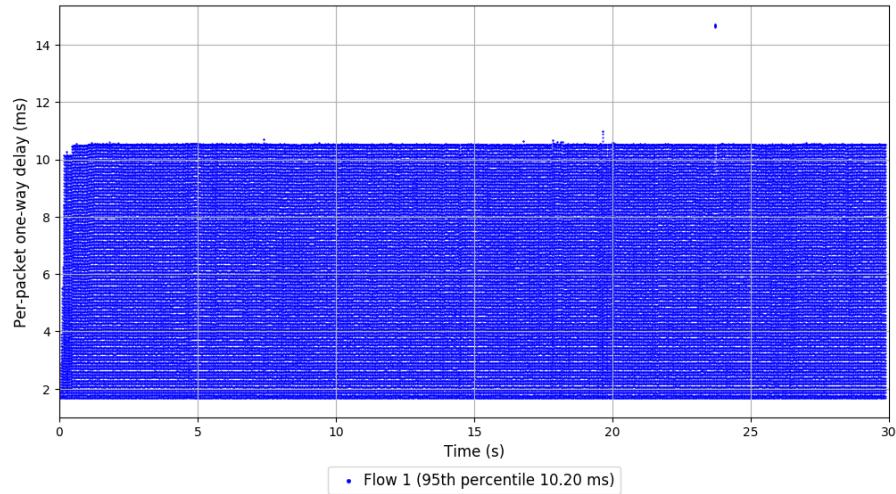
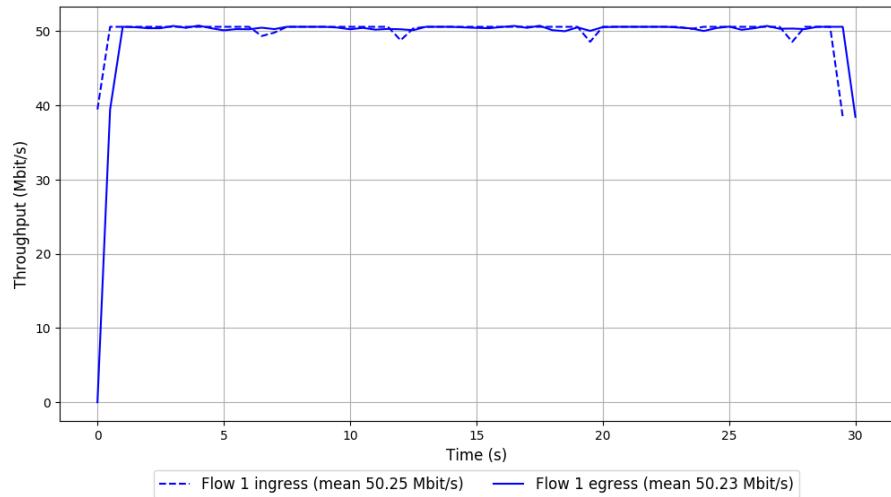


Run 4: Statistics of Sprout

```
Start at: 2019-01-25 12:06:18
End at: 2019-01-25 12:06:48
Local clock offset: -3.698 ms
Remote clock offset: 0.946 ms

# Below is generated by plot.py at 2019-01-25 12:52:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 10.199 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 50.23 Mbit/s
95th percentile per-packet one-way delay: 10.199 ms
Loss rate: 0.00%
```

## Run 4: Report of Sprout — Data Link

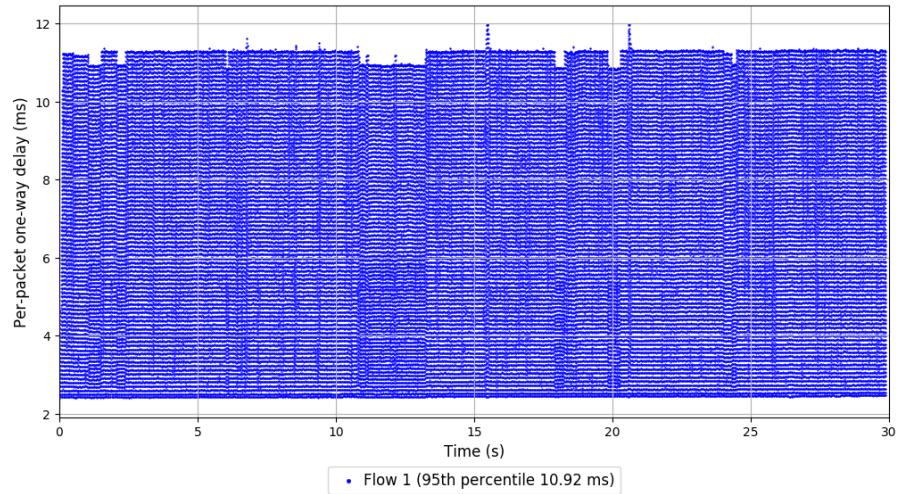
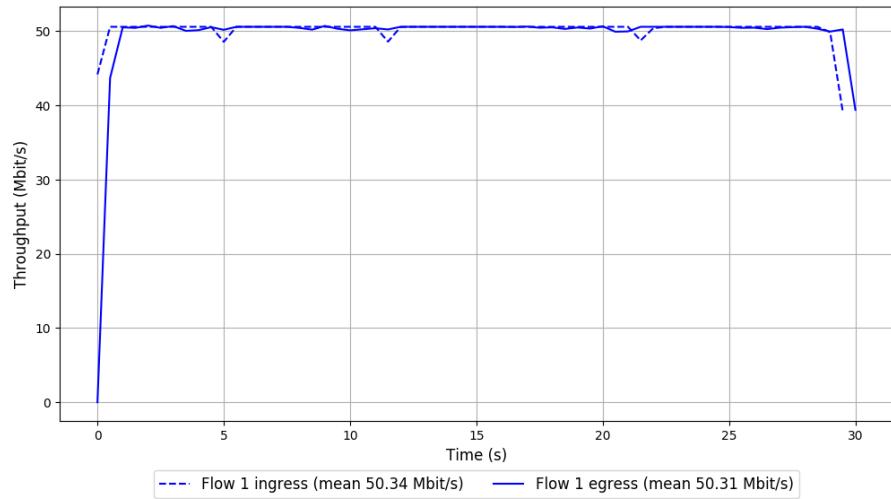


Run 5: Statistics of Sprout

```
Start at: 2019-01-25 12:30:02
End at: 2019-01-25 12:30:32
Local clock offset: -2.943 ms
Remote clock offset: 1.038 ms

# Below is generated by plot.py at 2019-01-25 12:52:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 10.923 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 50.31 Mbit/s
95th percentile per-packet one-way delay: 10.923 ms
Loss rate: 0.04%
```

## Run 5: Report of Sprout — Data Link

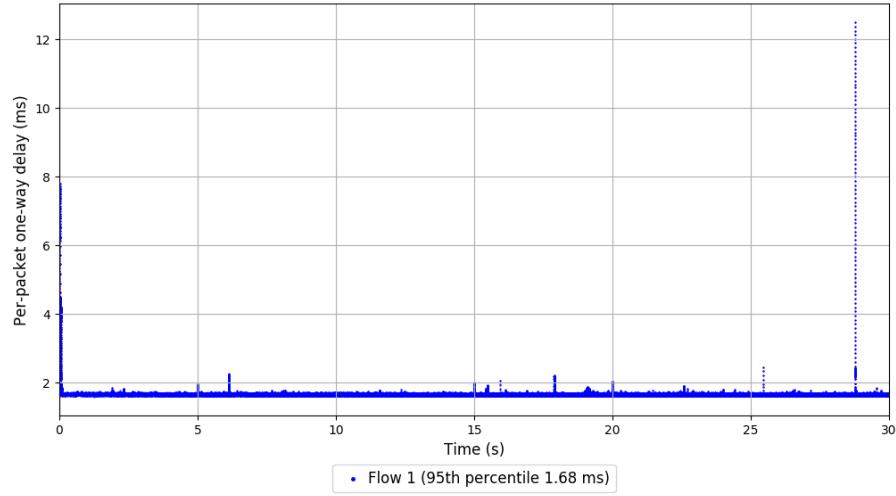
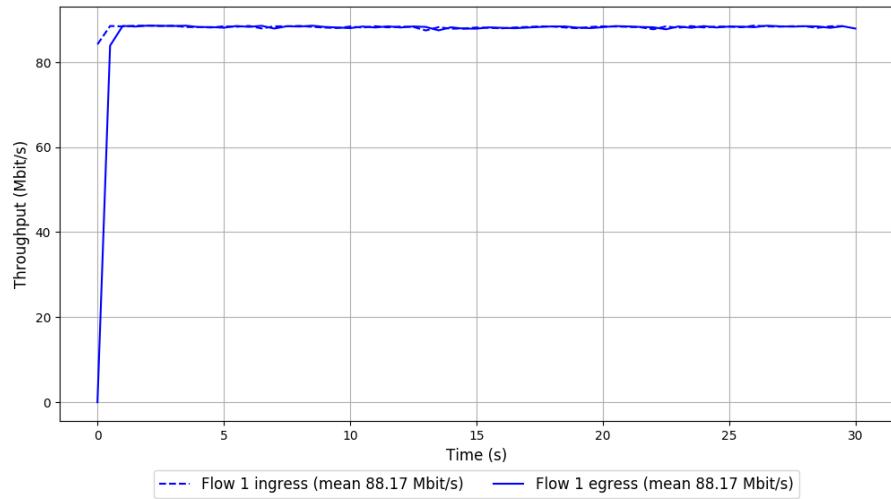


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-01-25 10:48:25
End at: 2019-01-25 10:48:55
Local clock offset: 1.094 ms
Remote clock offset: -0.079 ms

# Below is generated by plot.py at 2019-01-25 12:53:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 1.681 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 88.17 Mbit/s
95th percentile per-packet one-way delay: 1.681 ms
Loss rate: 0.02%
```

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

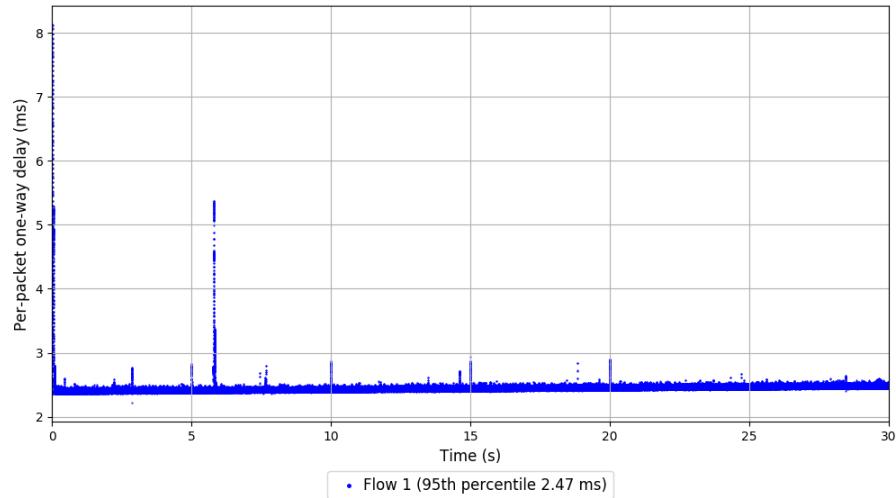
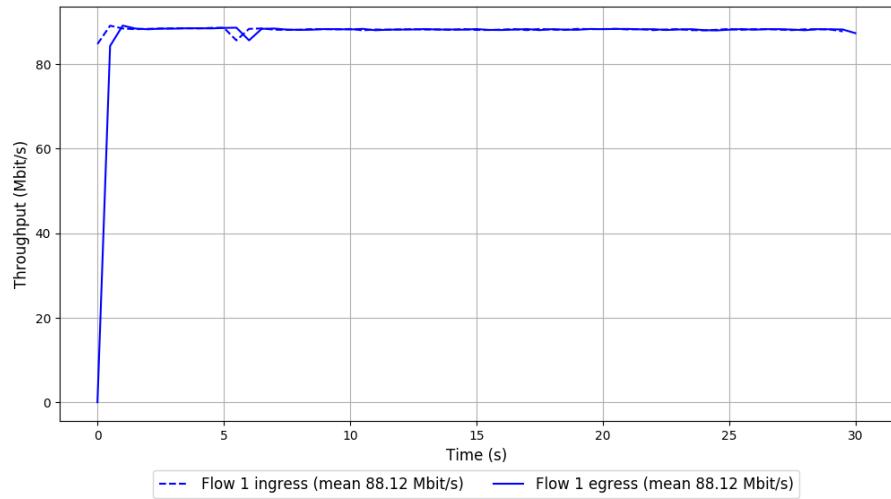


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-01-25 11:12:07
End at: 2019-01-25 11:12:37
Local clock offset: -2.028 ms
Remote clock offset: 0.352 ms

# Below is generated by plot.py at 2019-01-25 12:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: 2.473 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 88.12 Mbit/s
95th percentile per-packet one-way delay: 2.473 ms
Loss rate: 0.02%
```

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

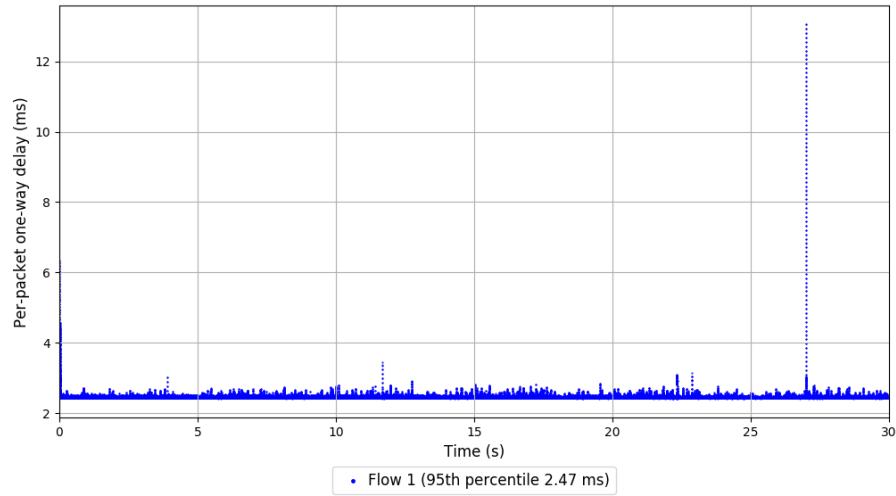
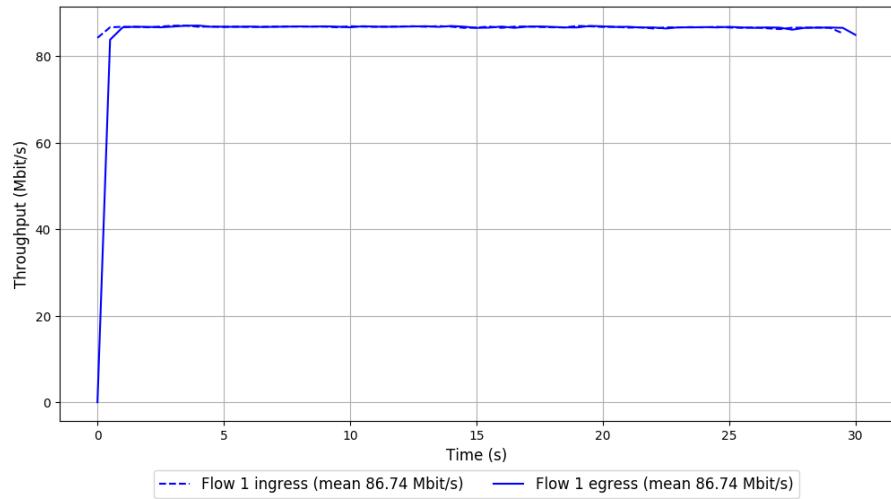


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-01-25 11:35:47
End at: 2019-01-25 11:36:17
Local clock offset: -3.18 ms
Remote clock offset: 0.6 ms

# Below is generated by plot.py at 2019-01-25 12:53:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 2.472 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 86.74 Mbit/s
95th percentile per-packet one-way delay: 2.472 ms
Loss rate: 0.01%
```

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

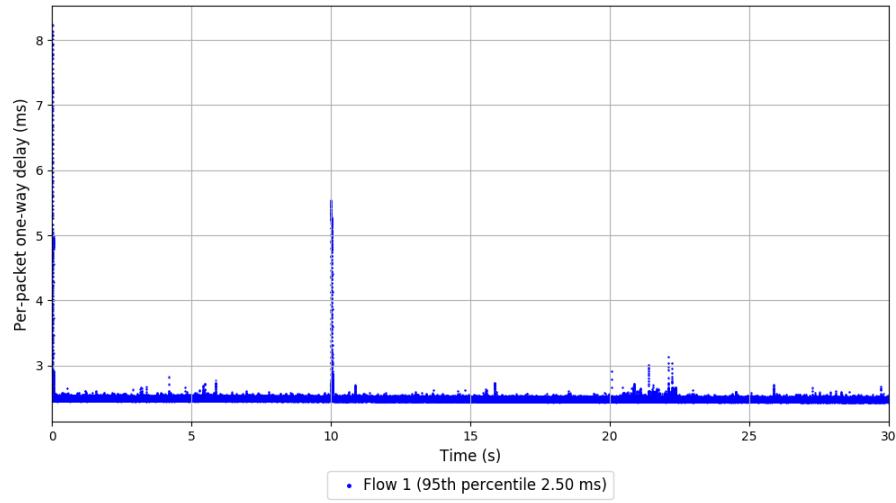
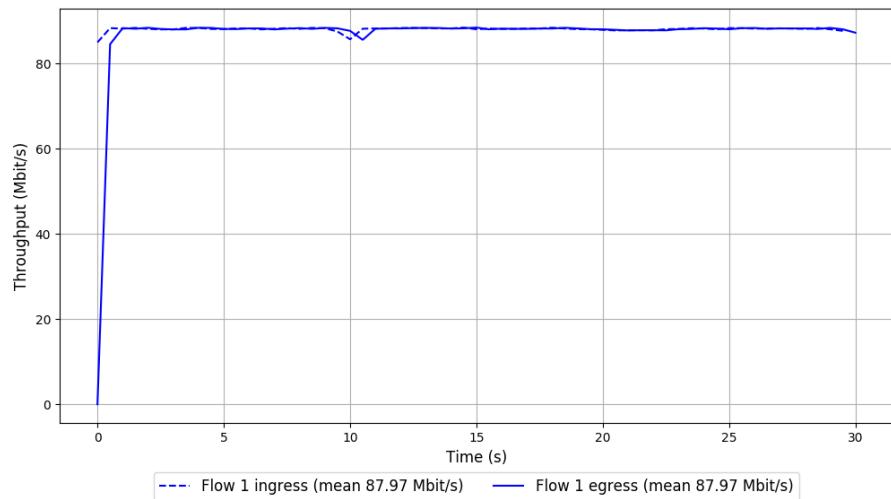


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-01-25 11:59:31
End at: 2019-01-25 12:00:01
Local clock offset: -3.203 ms
Remote clock offset: 0.825 ms

# Below is generated by plot.py at 2019-01-25 12:53:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.97 Mbit/s
95th percentile per-packet one-way delay: 2.502 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 87.97 Mbit/s
95th percentile per-packet one-way delay: 2.502 ms
Loss rate: 0.02%
```

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

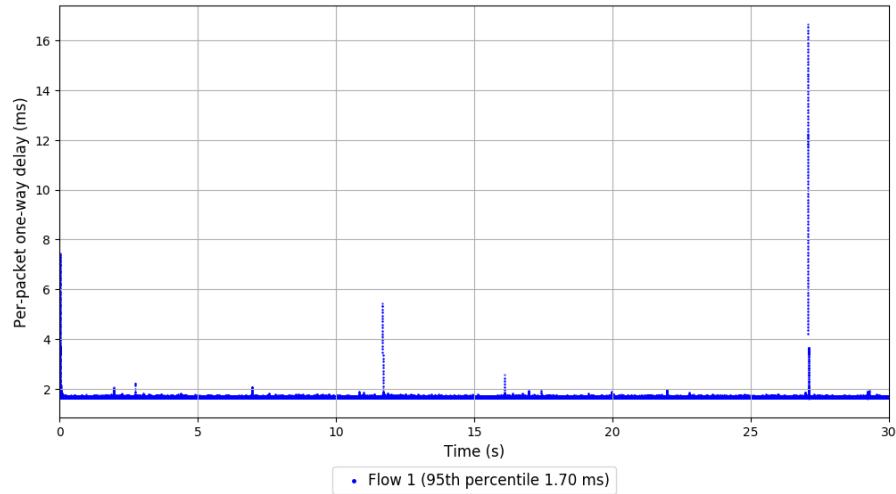
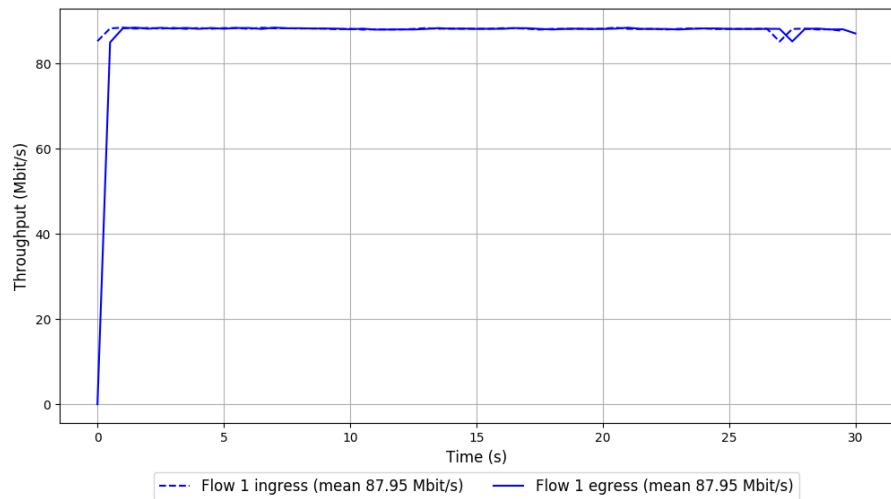


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-01-25 12:23:11
End at: 2019-01-25 12:23:41
Local clock offset: -3.625 ms
Remote clock offset: 1.037 ms

# Below is generated by plot.py at 2019-01-25 12:54:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.95 Mbit/s
95th percentile per-packet one-way delay: 1.697 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 87.95 Mbit/s
95th percentile per-packet one-way delay: 1.697 ms
Loss rate: 0.02%
```

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

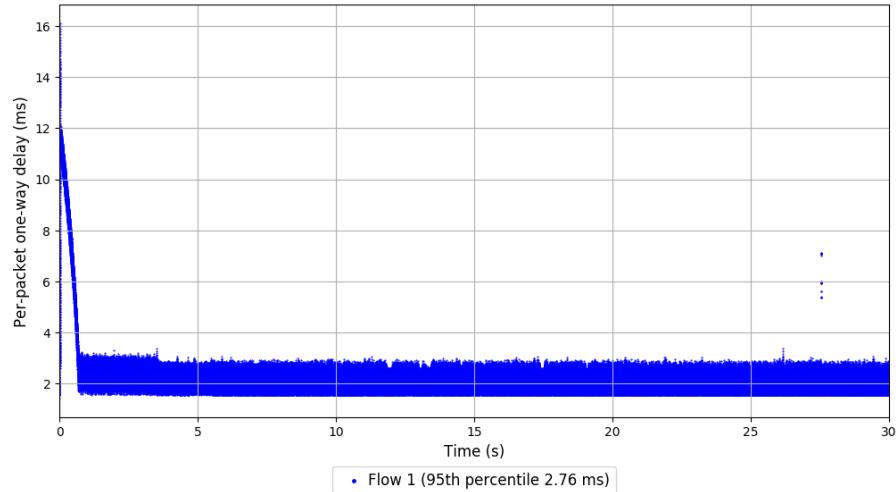
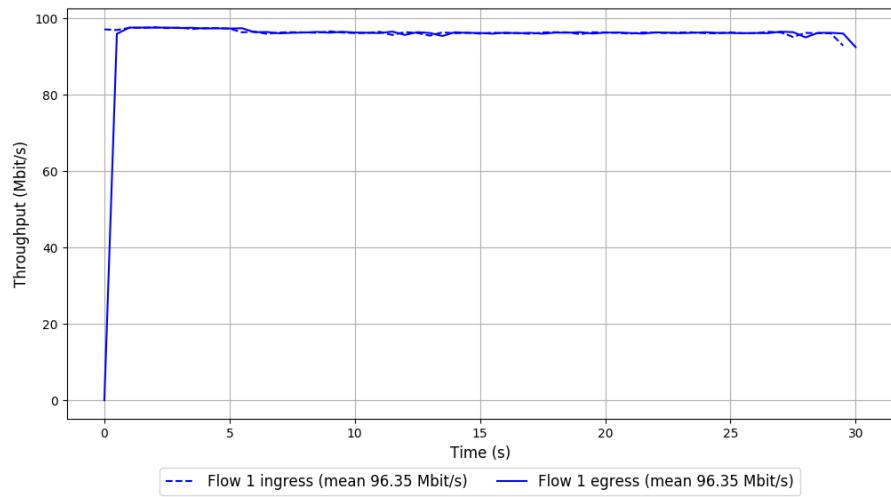


Run 1: Statistics of TCP Vegas

```
Start at: 2019-01-25 10:54:05
End at: 2019-01-25 10:54:35
Local clock offset: 1.281 ms
Remote clock offset: 0.091 ms

# Below is generated by plot.py at 2019-01-25 12:54:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 2.761 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.35 Mbit/s
95th percentile per-packet one-way delay: 2.761 ms
Loss rate: 0.01%
```

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

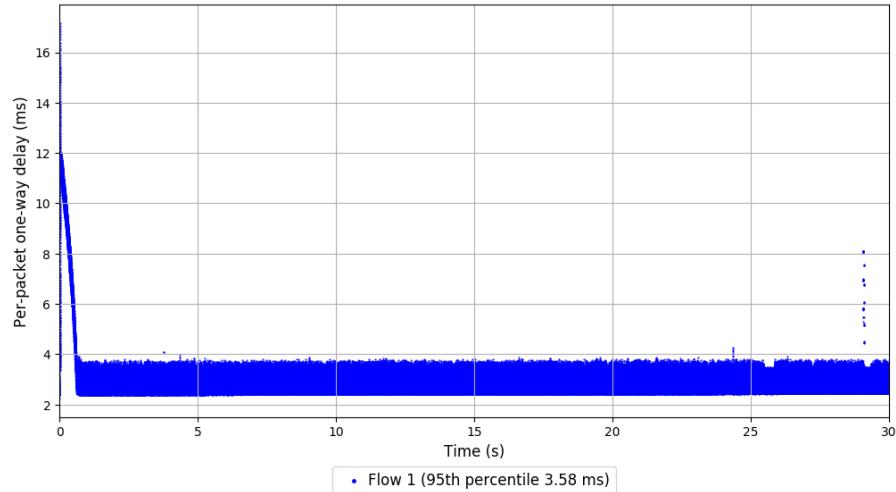
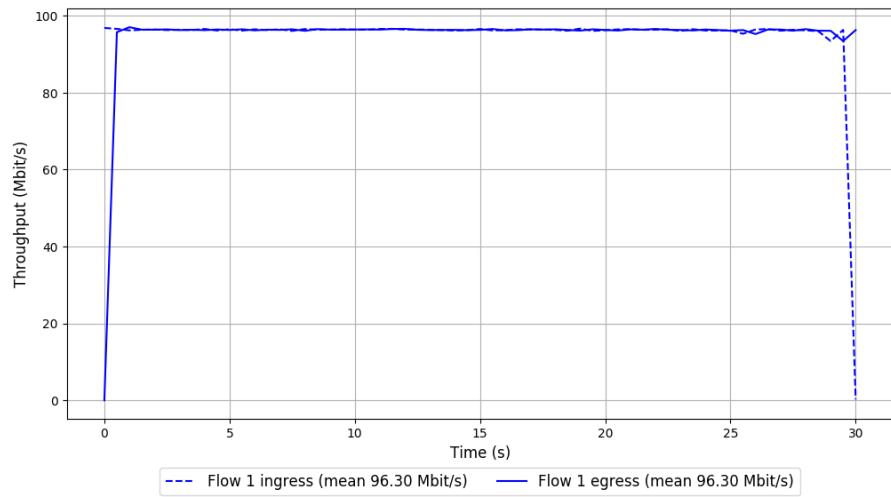


Run 2: Statistics of TCP Vegas

```
Start at: 2019-01-25 11:17:47
End at: 2019-01-25 11:18:17
Local clock offset: -2.716 ms
Remote clock offset: 0.466 ms

# Below is generated by plot.py at 2019-01-25 12:54:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 3.576 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.30 Mbit/s
95th percentile per-packet one-way delay: 3.576 ms
Loss rate: 0.01%
```

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

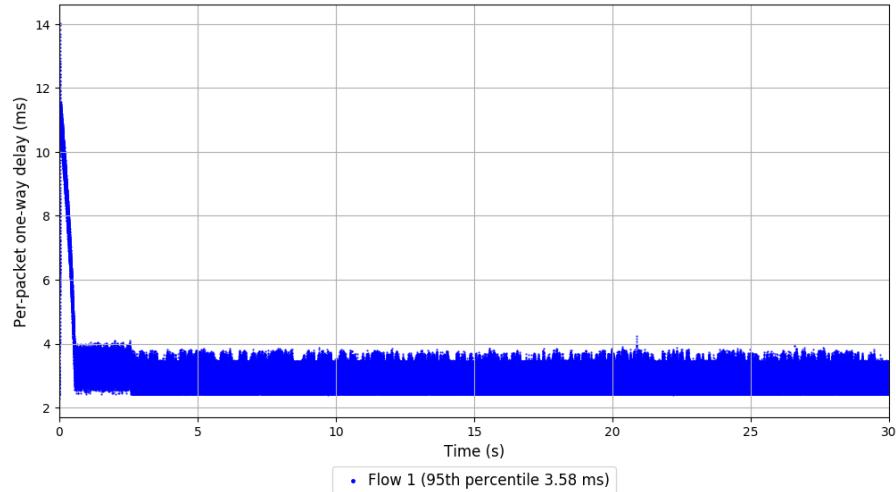
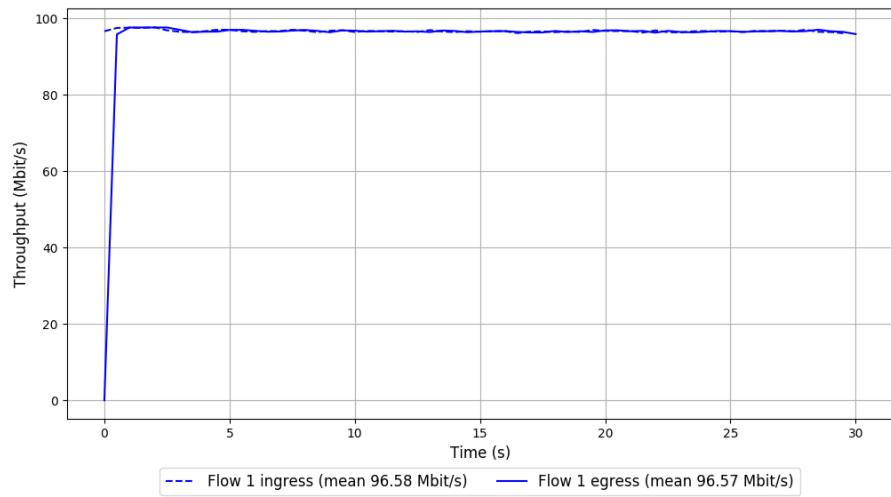


Run 3: Statistics of TCP Vegas

```
Start at: 2019-01-25 11:41:30
End at: 2019-01-25 11:42:00
Local clock offset: -3.072 ms
Remote clock offset: 0.737 ms

# Below is generated by plot.py at 2019-01-25 12:54:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: 3.584 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.57 Mbit/s
95th percentile per-packet one-way delay: 3.584 ms
Loss rate: 0.01%
```

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

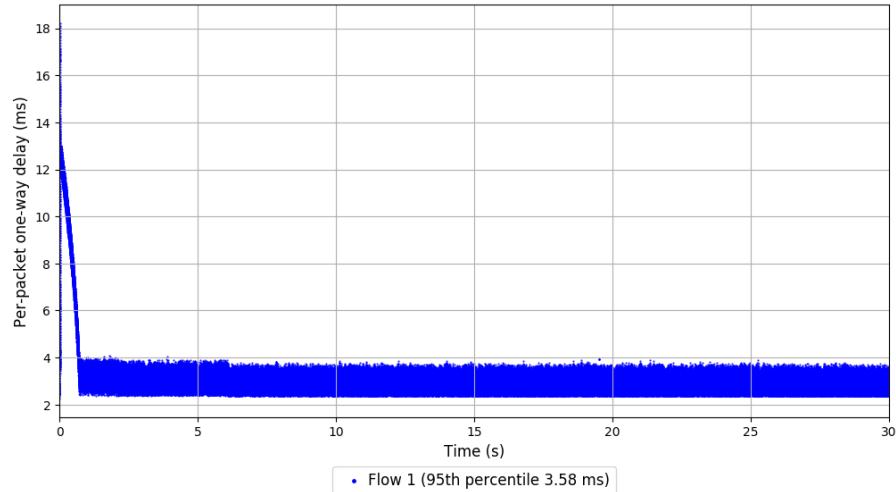
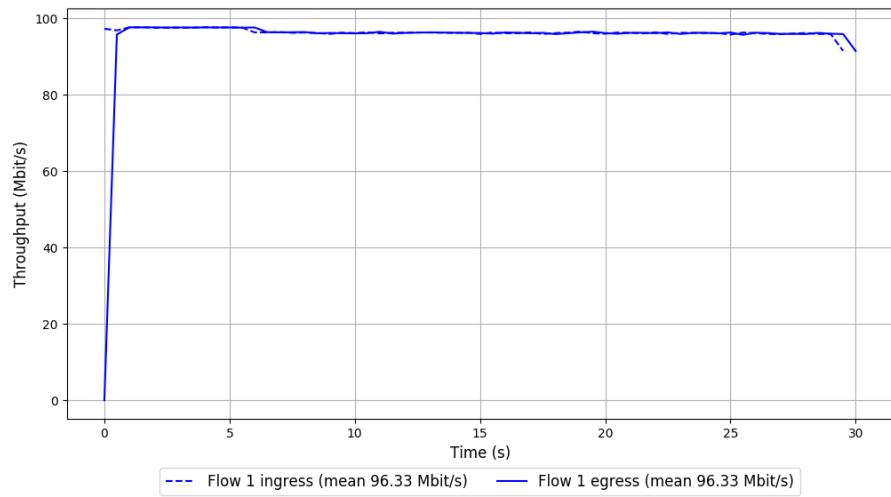


Run 4: Statistics of TCP Vegas

```
Start at: 2019-01-25 12:05:10
End at: 2019-01-25 12:05:40
Local clock offset: -2.974 ms
Remote clock offset: 0.967 ms

# Below is generated by plot.py at 2019-01-25 12:54:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 3.584 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 96.33 Mbit/s
95th percentile per-packet one-way delay: 3.584 ms
Loss rate: 0.01%
```

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

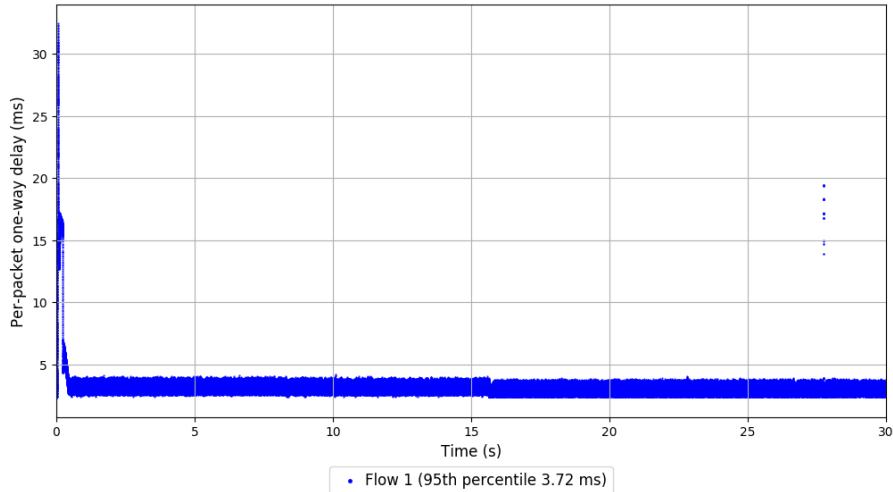
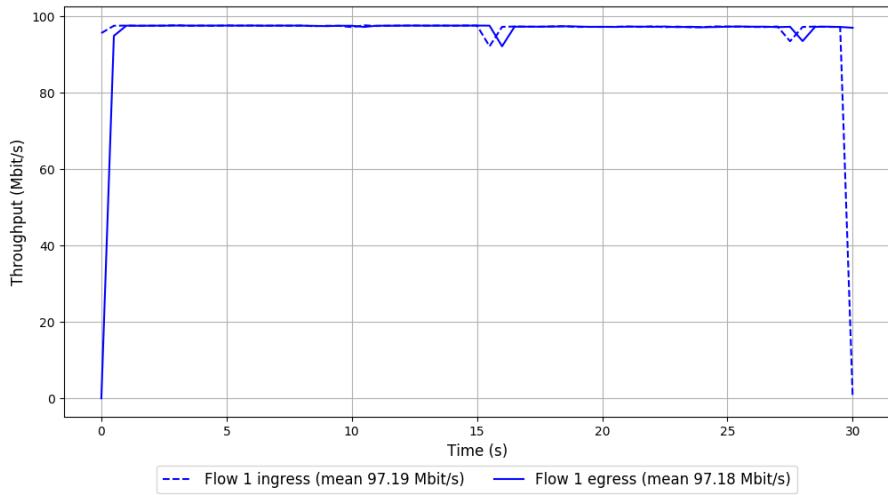


Run 5: Statistics of TCP Vegas

```
Start at: 2019-01-25 12:28:54
End at: 2019-01-25 12:29:24
Local clock offset: -2.882 ms
Remote clock offset: 1.015 ms

# Below is generated by plot.py at 2019-01-25 12:54:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 3.722 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 97.18 Mbit/s
95th percentile per-packet one-way delay: 3.722 ms
Loss rate: 0.02%
```

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

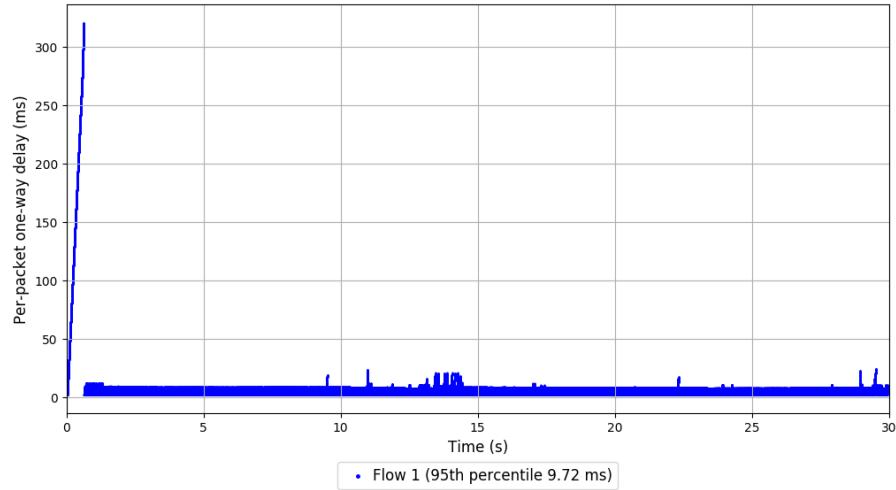
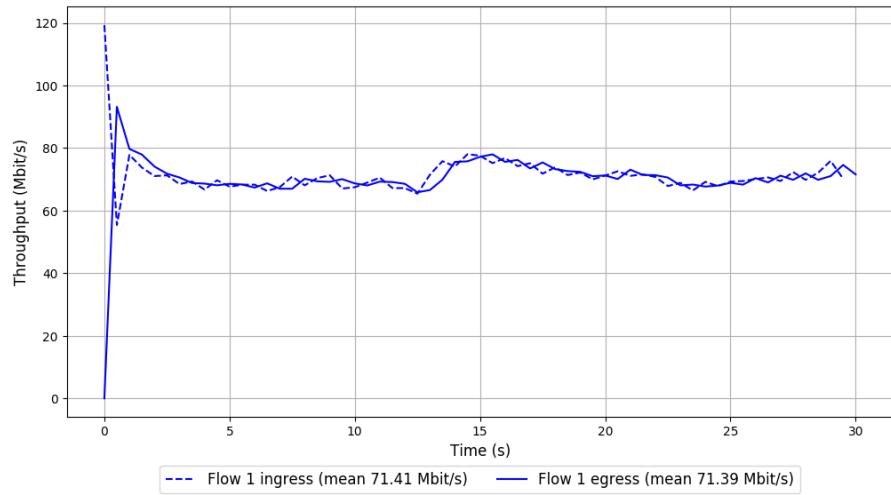


Run 1: Statistics of Verus

```
Start at: 2019-01-25 11:04:12
End at: 2019-01-25 11:04:42
Local clock offset: -0.007 ms
Remote clock offset: 0.223 ms

# Below is generated by plot.py at 2019-01-25 12:54:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.39 Mbit/s
95th percentile per-packet one-way delay: 9.720 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 71.39 Mbit/s
95th percentile per-packet one-way delay: 9.720 ms
Loss rate: 0.05%
```

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

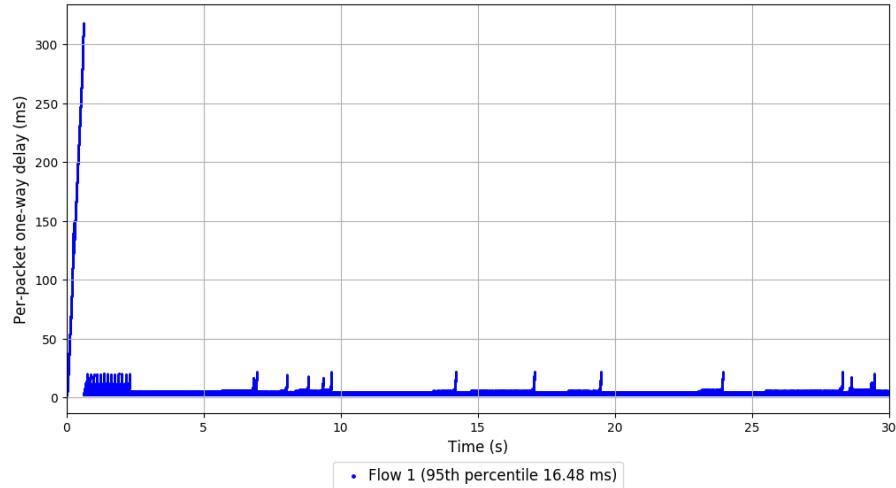
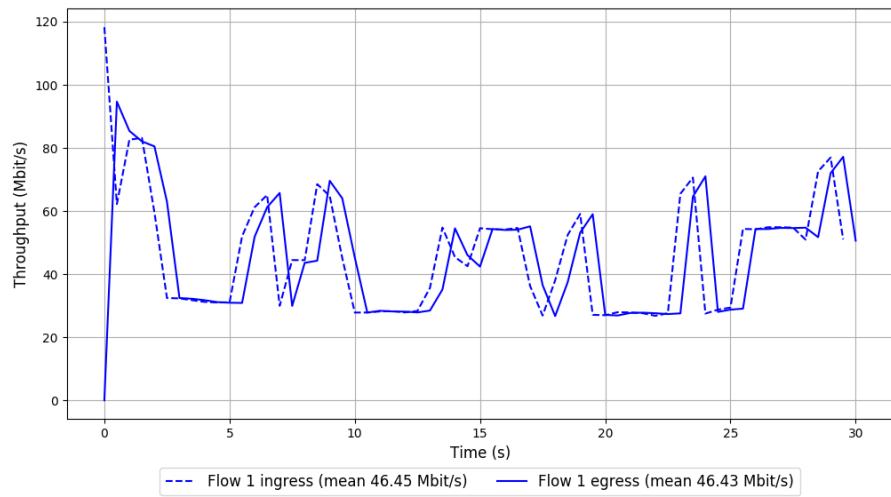


Run 2: Statistics of Verus

```
Start at: 2019-01-25 11:27:54
End at: 2019-01-25 11:28:24
Local clock offset: -3.431 ms
Remote clock offset: 0.598 ms

# Below is generated by plot.py at 2019-01-25 12:54:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.43 Mbit/s
95th percentile per-packet one-way delay: 16.475 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 46.43 Mbit/s
95th percentile per-packet one-way delay: 16.475 ms
Loss rate: 0.04%
```

## Run 2: Report of Verus — Data Link

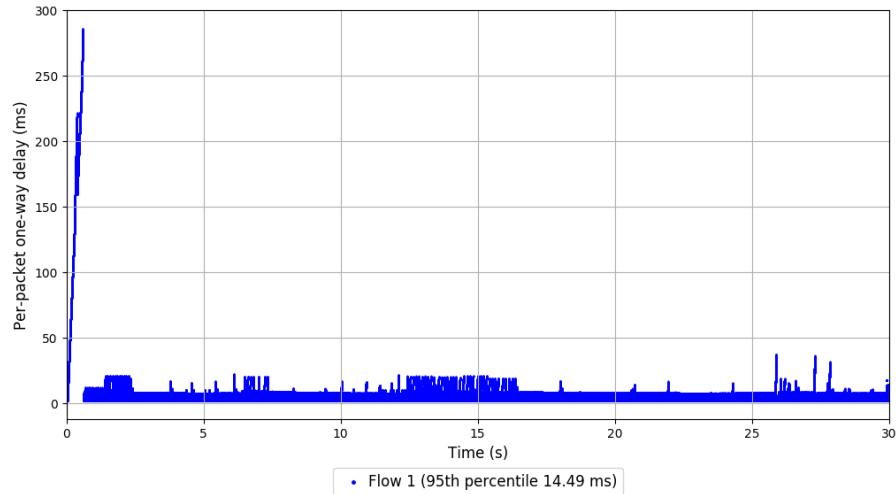
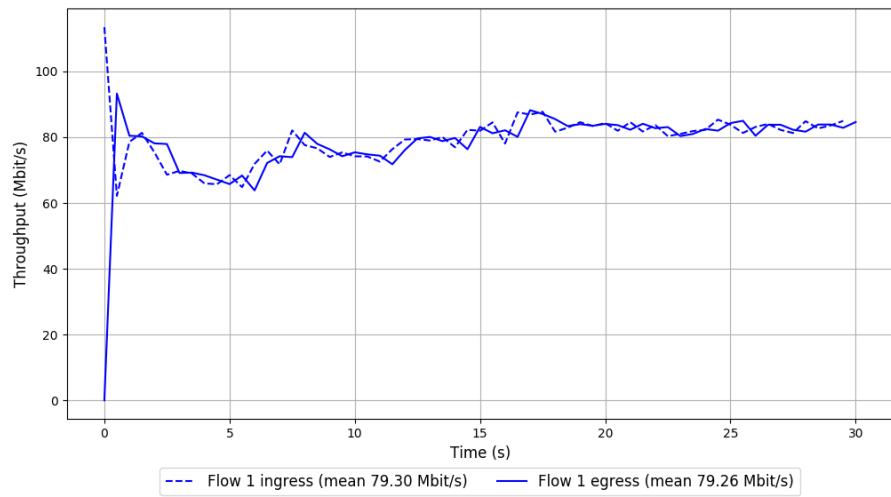


Run 3: Statistics of Verus

```
Start at: 2019-01-25 11:51:36
End at: 2019-01-25 11:52:06
Local clock offset: -3.862 ms
Remote clock offset: 0.794 ms

# Below is generated by plot.py at 2019-01-25 12:54:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.26 Mbit/s
95th percentile per-packet one-way delay: 14.488 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 79.26 Mbit/s
95th percentile per-packet one-way delay: 14.488 ms
Loss rate: 0.03%
```

Run 3: Report of Verus — Data Link

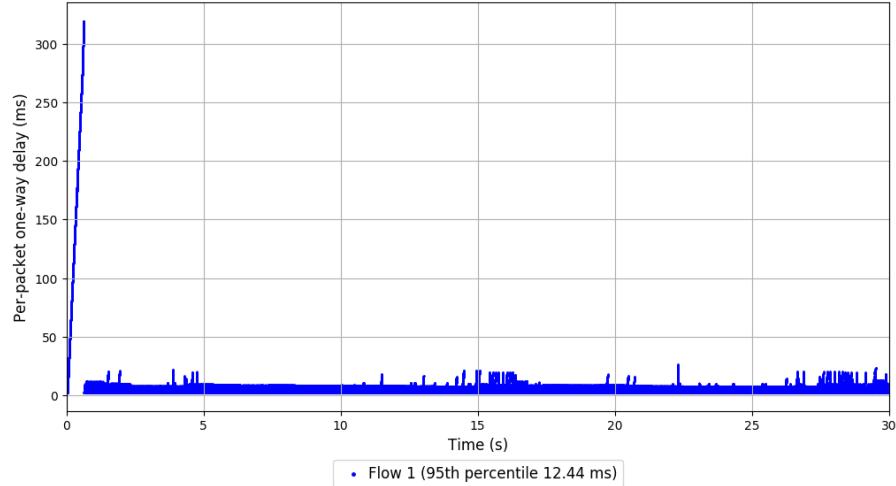
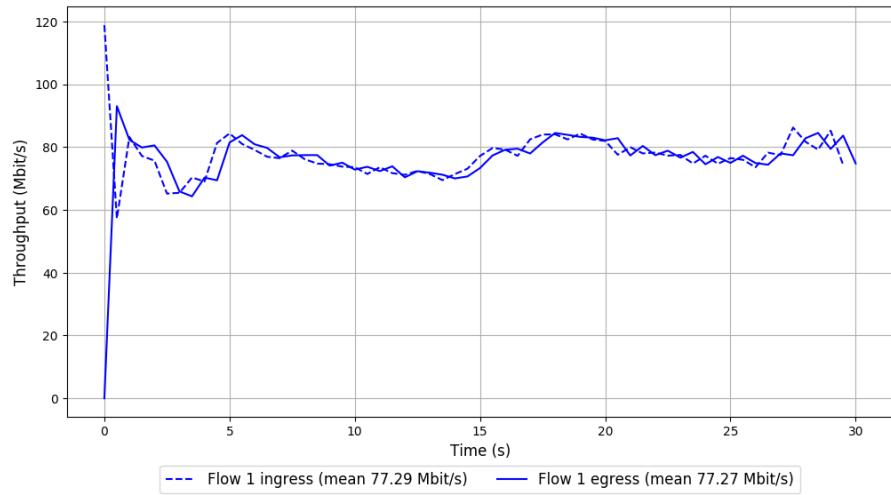


Run 4: Statistics of Verus

```
Start at: 2019-01-25 12:15:17
End at: 2019-01-25 12:15:47
Local clock offset: -2.834 ms
Remote clock offset: 1.084 ms

# Below is generated by plot.py at 2019-01-25 12:54:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.27 Mbit/s
95th percentile per-packet one-way delay: 12.436 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 77.27 Mbit/s
95th percentile per-packet one-way delay: 12.436 ms
Loss rate: 0.05%
```

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

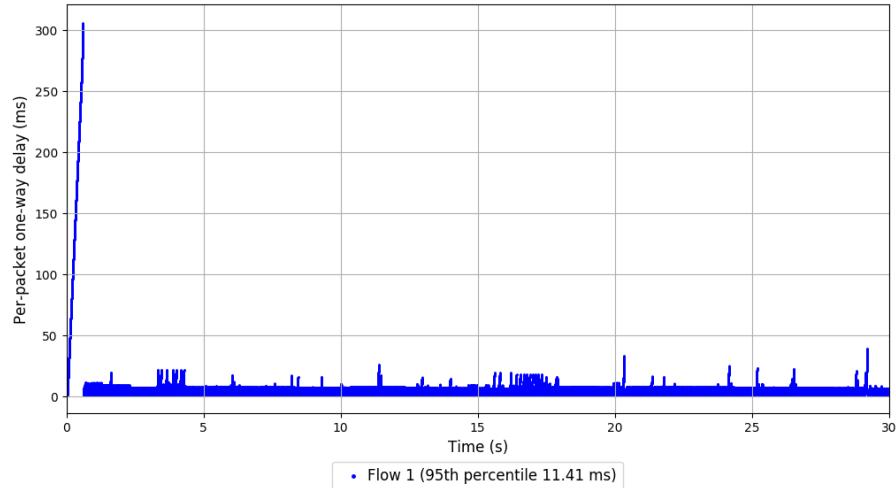
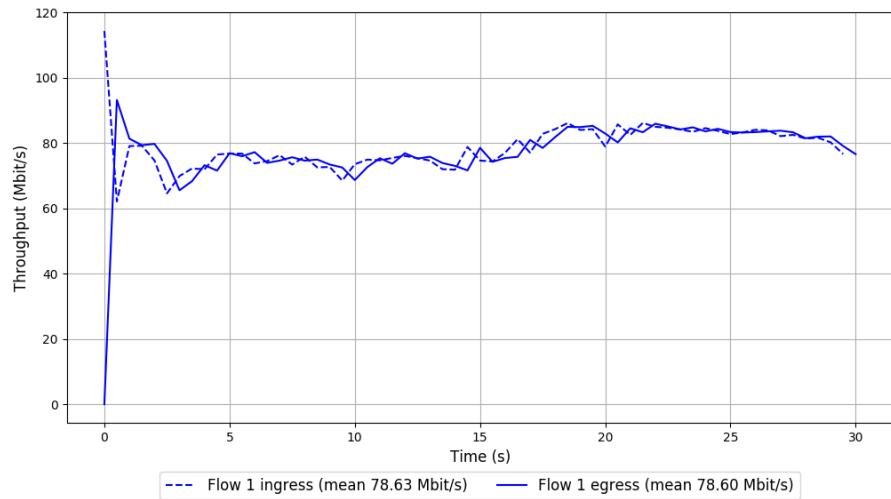


Run 5: Statistics of Verus

```
Start at: 2019-01-25 12:39:02
End at: 2019-01-25 12:39:32
Local clock offset: -4.327 ms
Remote clock offset: 0.944 ms

# Below is generated by plot.py at 2019-01-25 12:54:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.60 Mbit/s
95th percentile per-packet one-way delay: 11.413 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 78.60 Mbit/s
95th percentile per-packet one-way delay: 11.413 ms
Loss rate: 0.03%
```

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

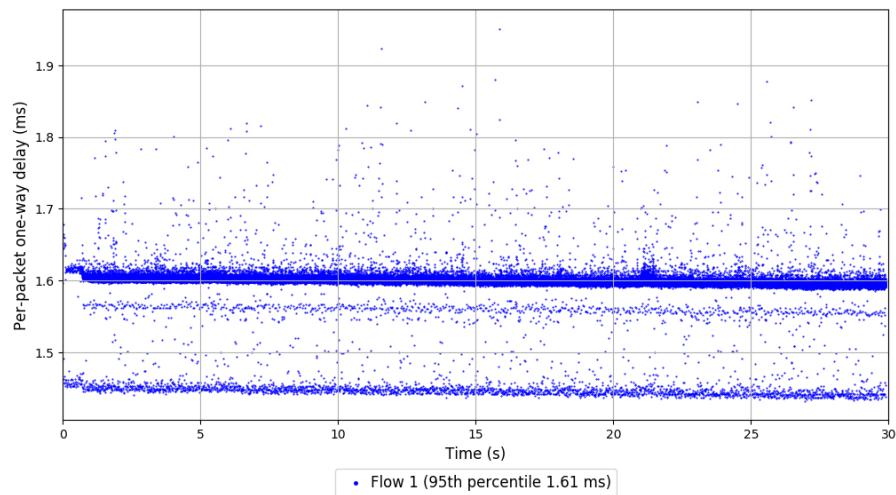
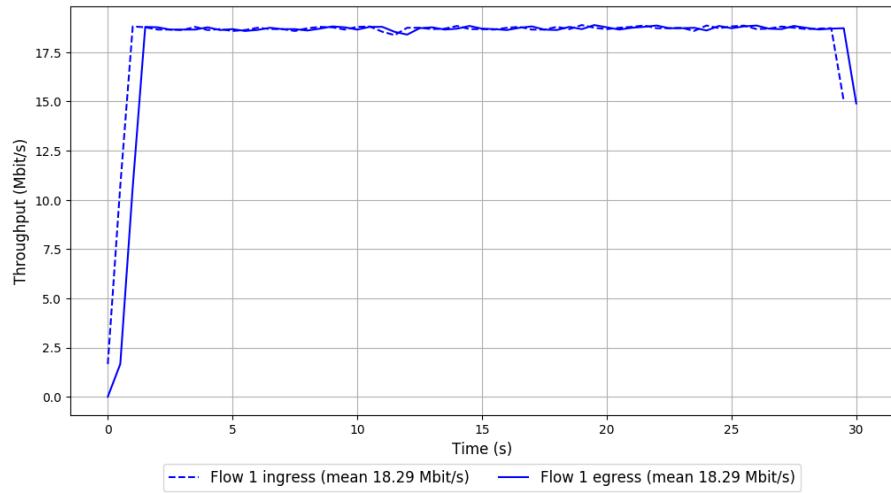


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-01-25 10:53:00
End at: 2019-01-25 10:53:30
Local clock offset: 1.249 ms
Remote clock offset: 0.041 ms

# Below is generated by plot.py at 2019-01-25 12:54:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.29 Mbit/s
95th percentile per-packet one-way delay: 1.610 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 18.29 Mbit/s
95th percentile per-packet one-way delay: 1.610 ms
Loss rate: 0.02%
```

Run 1: Report of PCC-Vivace — Data Link

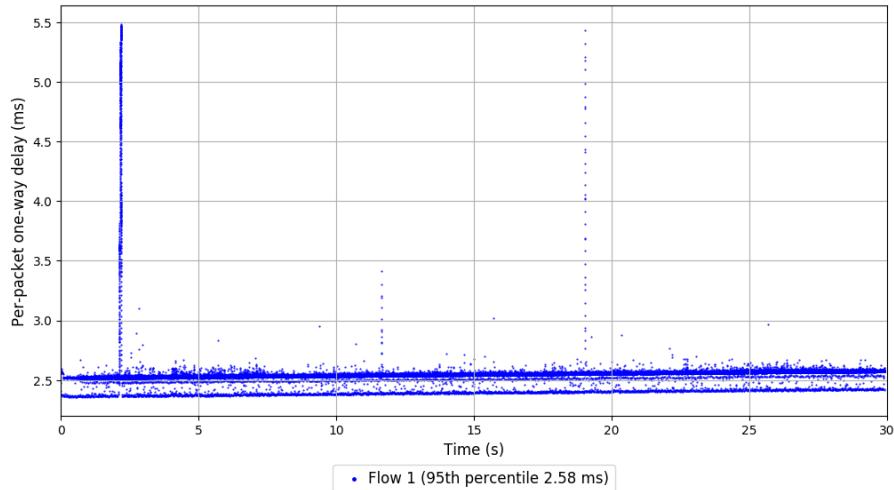
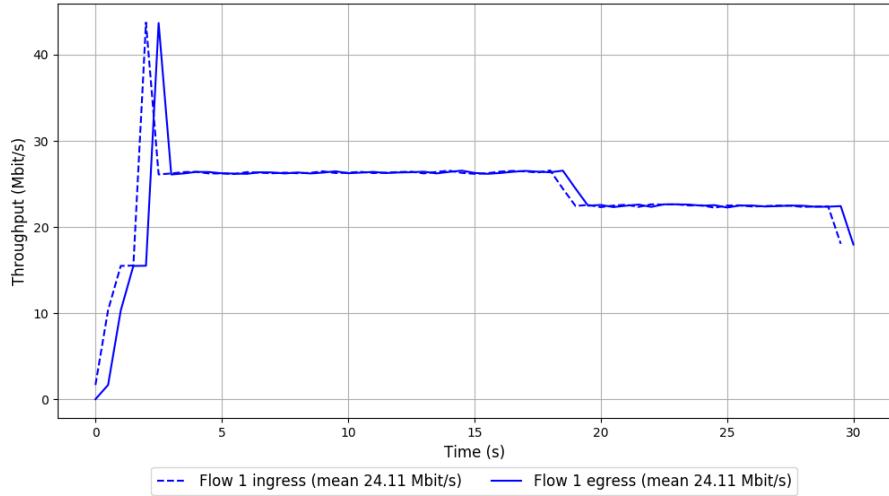


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-01-25 11:16:41
End at: 2019-01-25 11:17:11
Local clock offset: -2.582 ms
Remote clock offset: 0.329 ms

# Below is generated by plot.py at 2019-01-25 12:54:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.11 Mbit/s
95th percentile per-packet one-way delay: 2.576 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 24.11 Mbit/s
95th percentile per-packet one-way delay: 2.576 ms
Loss rate: 0.01%
```

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

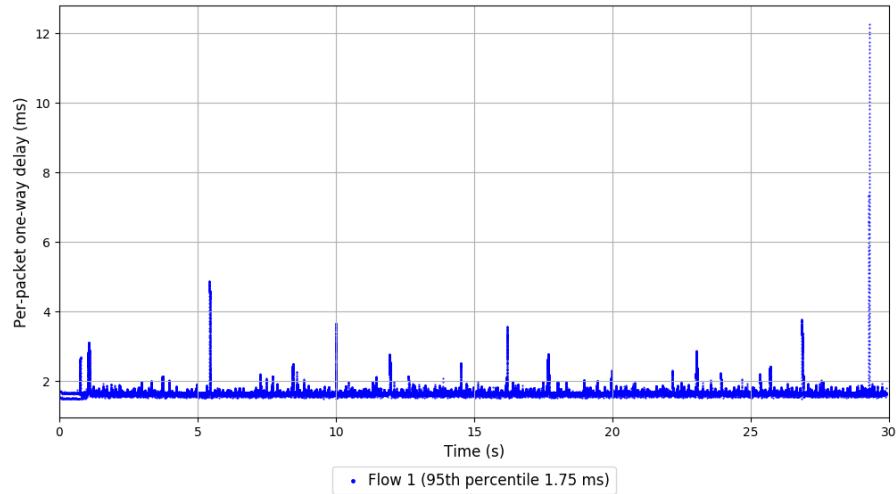
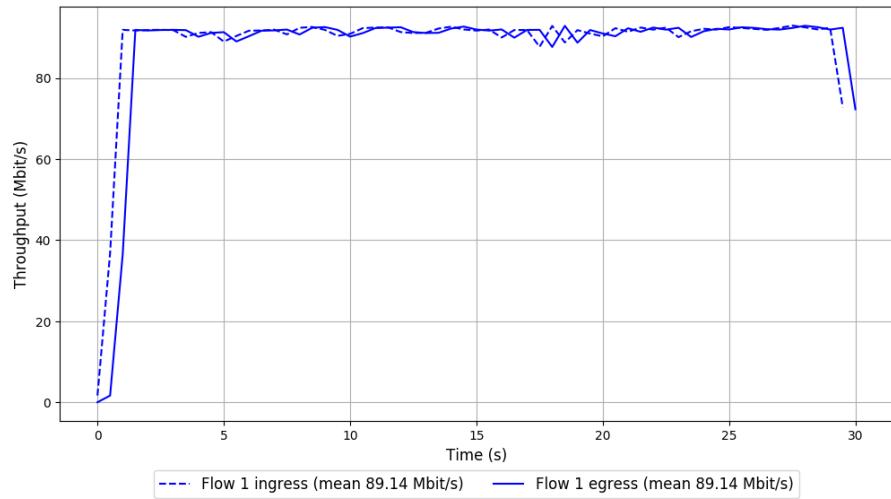


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-01-25 11:40:21
End at: 2019-01-25 11:40:51
Local clock offset: -3.846 ms
Remote clock offset: 0.709 ms

# Below is generated by plot.py at 2019-01-25 12:54:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.14 Mbit/s
95th percentile per-packet one-way delay: 1.746 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.14 Mbit/s
95th percentile per-packet one-way delay: 1.746 ms
Loss rate: 0.02%
```

Run 3: Report of PCC-Vivace — Data Link

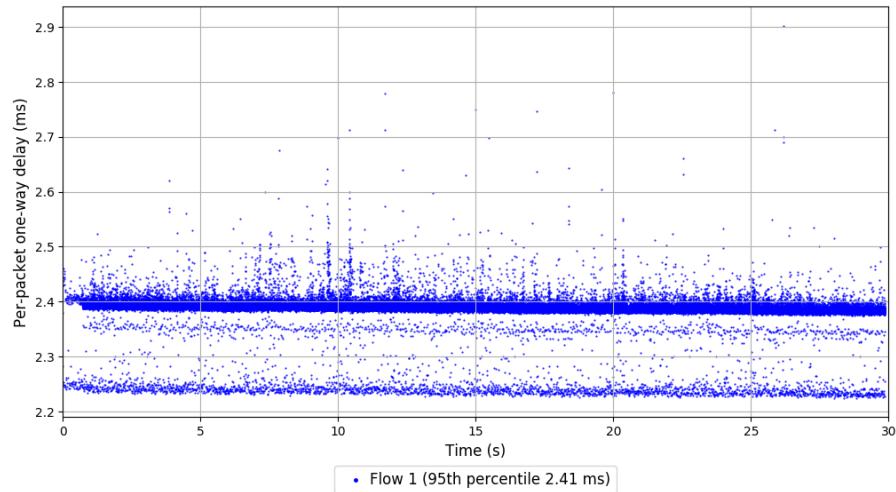
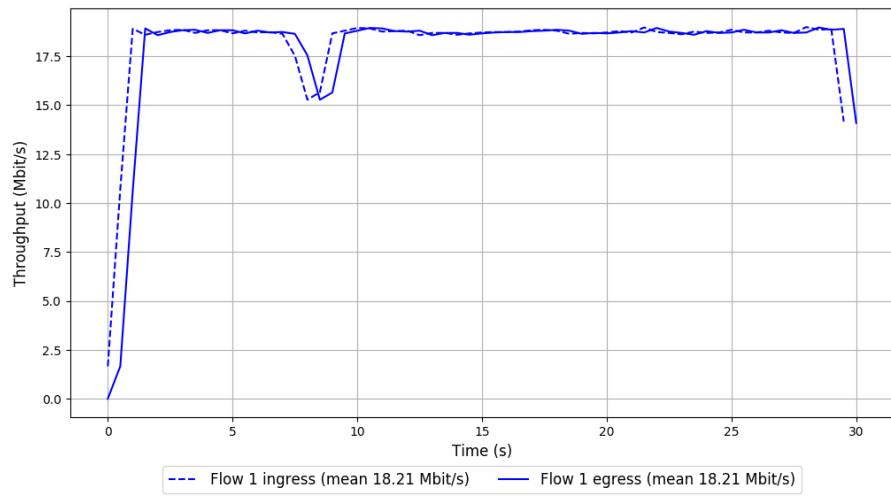


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-01-25 12:04:05
End at: 2019-01-25 12:04:35
Local clock offset: -3.01 ms
Remote clock offset: 0.929 ms

# Below is generated by plot.py at 2019-01-25 12:54:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 18.21 Mbit/s
95th percentile per-packet one-way delay: 2.408 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 18.21 Mbit/s
95th percentile per-packet one-way delay: 2.408 ms
Loss rate: 0.01%
```

Run 4: Report of PCC-Vivace — Data Link

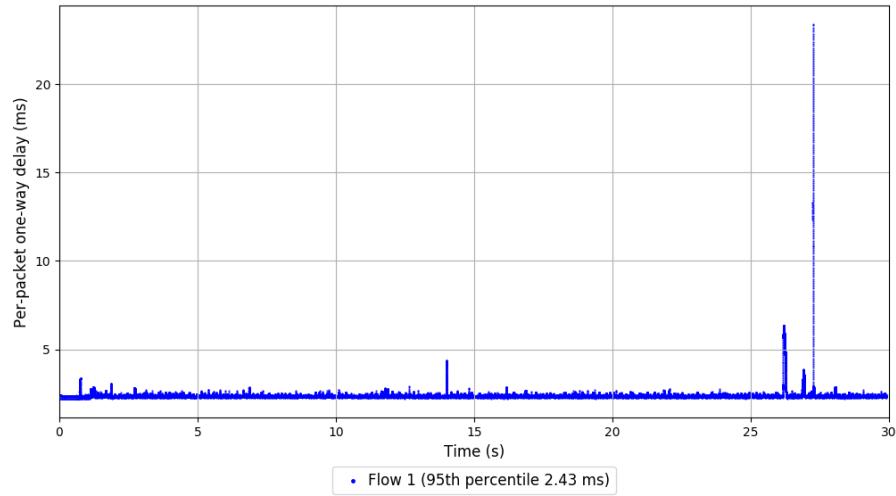
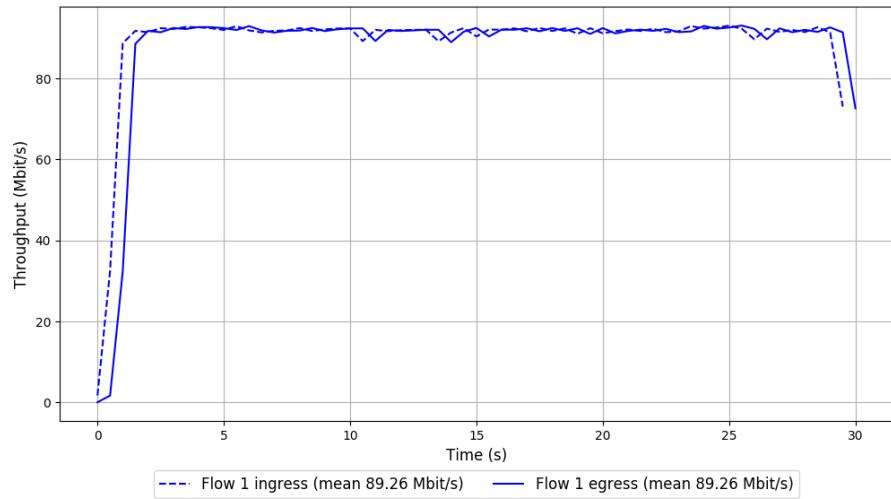


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-01-25 12:27:45
End at: 2019-01-25 12:28:15
Local clock offset: -2.888 ms
Remote clock offset: 1.055 ms

# Below is generated by plot.py at 2019-01-25 12:54:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.26 Mbit/s
95th percentile per-packet one-way delay: 2.432 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 89.26 Mbit/s
95th percentile per-packet one-way delay: 2.432 ms
Loss rate: 0.02%
```

Run 5: Report of PCC-Vivace — Data Link

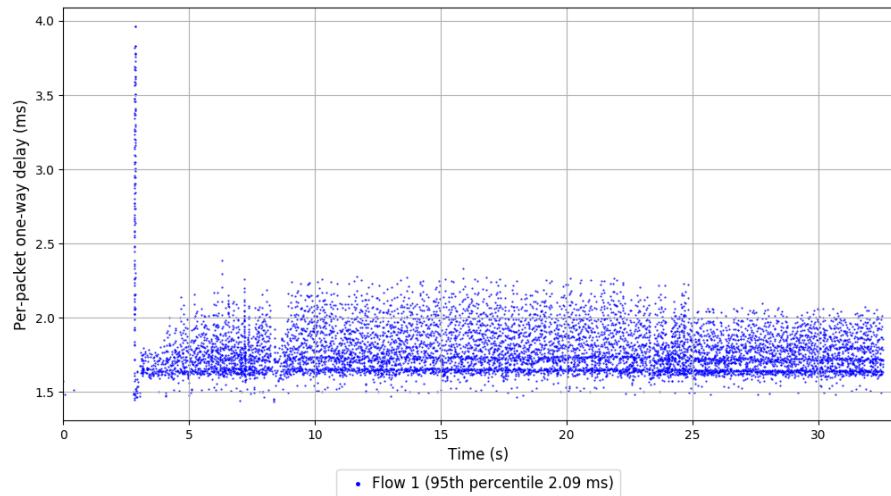
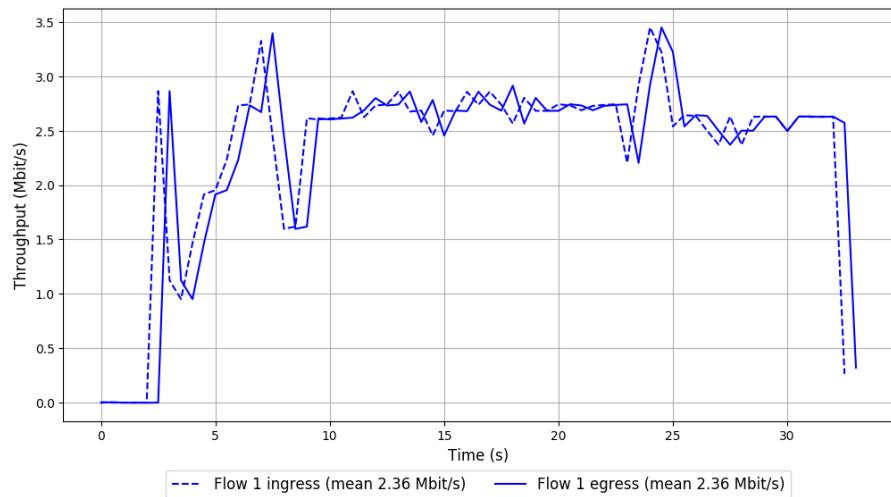


```
Run 1: Statistics of WebRTC media
```

```
Start at: 2019-01-25 10:43:53
End at: 2019-01-25 10:44:23
Local clock offset: 0.981 ms
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2019-01-25 12:54:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 2.086 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 2.086 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

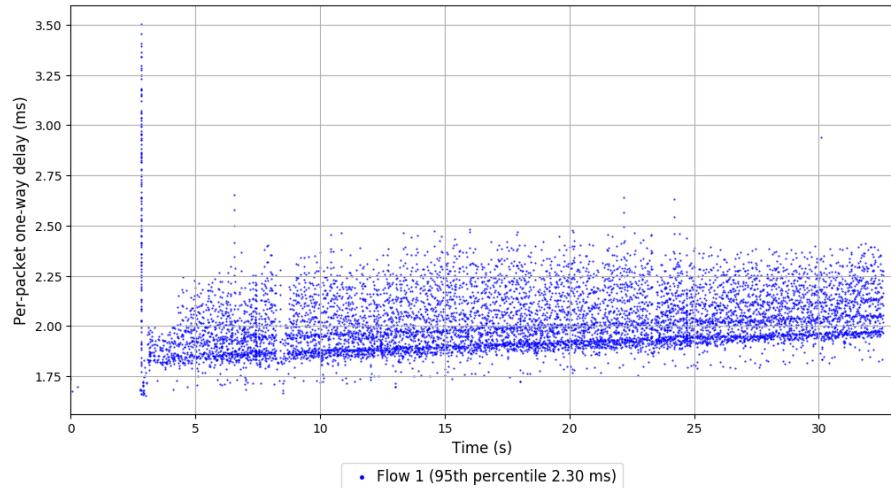
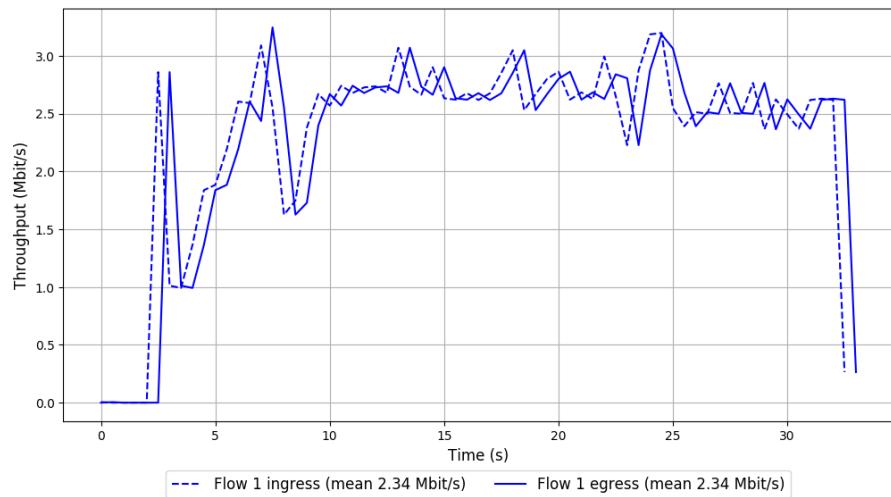


Run 2: Statistics of WebRTC media

```
Start at: 2019-01-25 11:07:35
End at: 2019-01-25 11:08:05
Local clock offset: -1.772 ms
Remote clock offset: 0.175 ms

# Below is generated by plot.py at 2019-01-25 12:54:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 2.302 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.34 Mbit/s
95th percentile per-packet one-way delay: 2.302 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

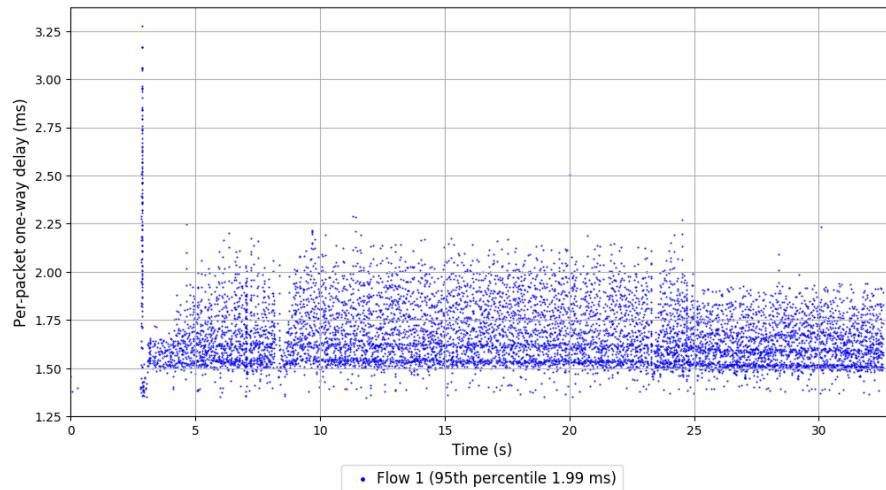
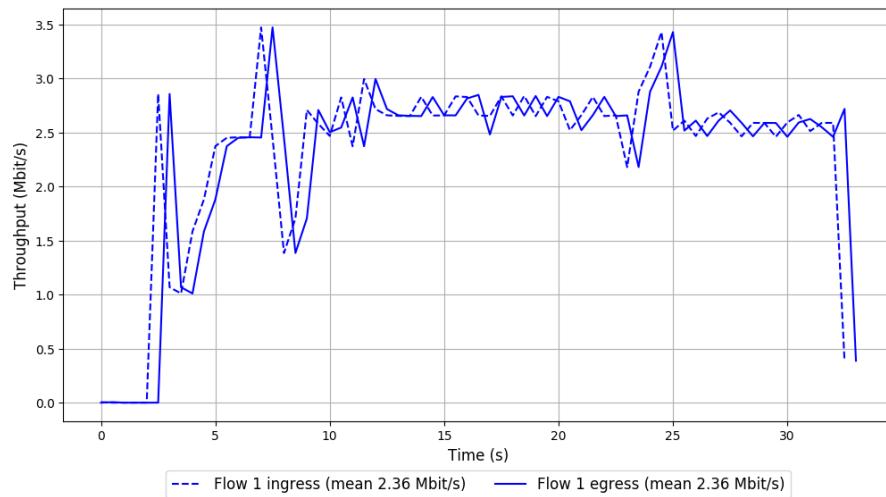


Run 3: Statistics of WebRTC media

```
Start at: 2019-01-25 11:31:15
End at: 2019-01-25 11:31:45
Local clock offset: -4.218 ms
Remote clock offset: 0.643 ms

# Below is generated by plot.py at 2019-01-25 12:54:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 1.991 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 1.991 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

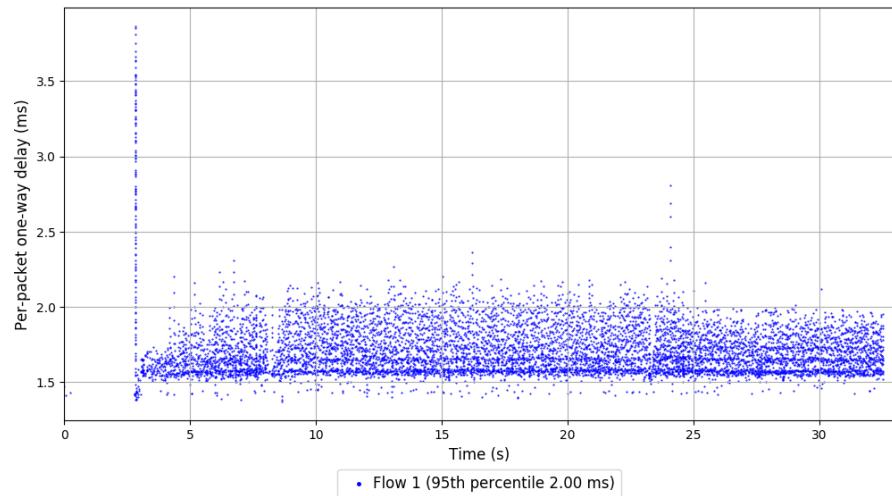
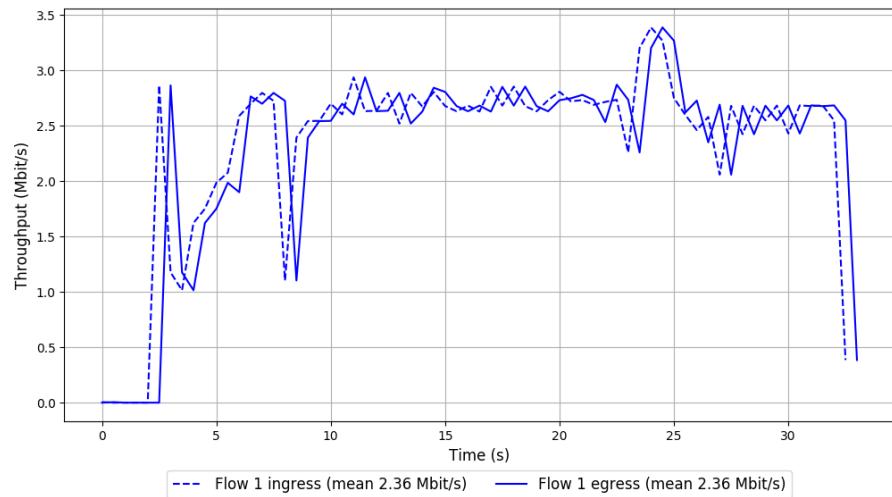


Run 4: Statistics of WebRTC media

```
Start at: 2019-01-25 11:54:59
End at: 2019-01-25 11:55:29
Local clock offset: -3.964 ms
Remote clock offset: 0.926 ms

# Below is generated by plot.py at 2019-01-25 12:54:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 2.001 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.36 Mbit/s
95th percentile per-packet one-way delay: 2.001 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



```
Run 5: Statistics of WebRTC media

Start at: 2019-01-25 12:18:40
End at: 2019-01-25 12:19:10
Local clock offset: -2.846 ms
Remote clock offset: 1.016 ms

# Below is generated by plot.py at 2019-01-25 12:54:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 2.927 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 2.927 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

