

Pantheon Report

Generated at 2019-10-03 10:38:47 (UTC).
Data path: GCE Tokyo on `ens4 (remote)` → GCE Iowa on `ens4 (local)`.
Repeated the test of 24 congestion control schemes 5 times.
Each test lasted for 30 seconds running 1 flow.
NTP offsets were measured against `time.google.com` and have been applied to correct the timestamps in logs.

System info:

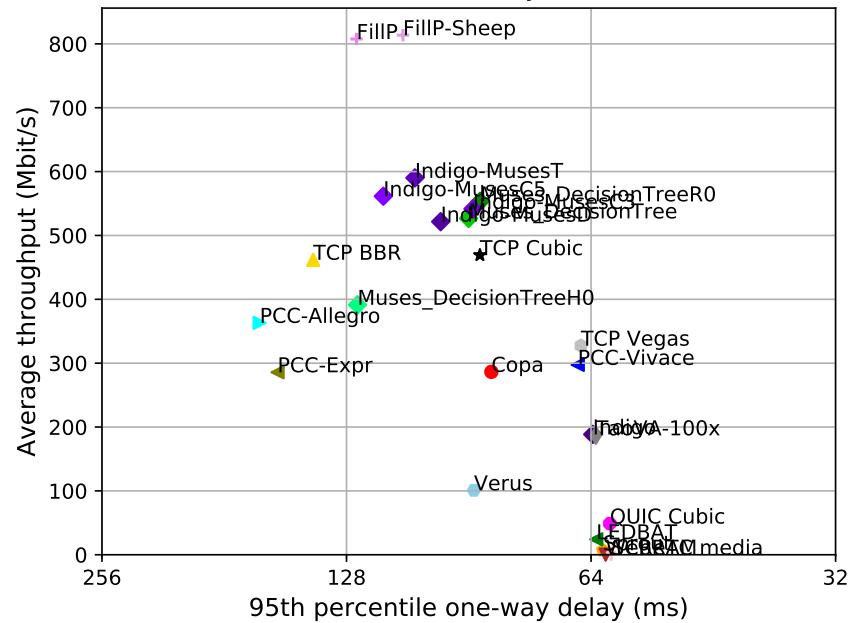
```
Linux 4.15.0-1044-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

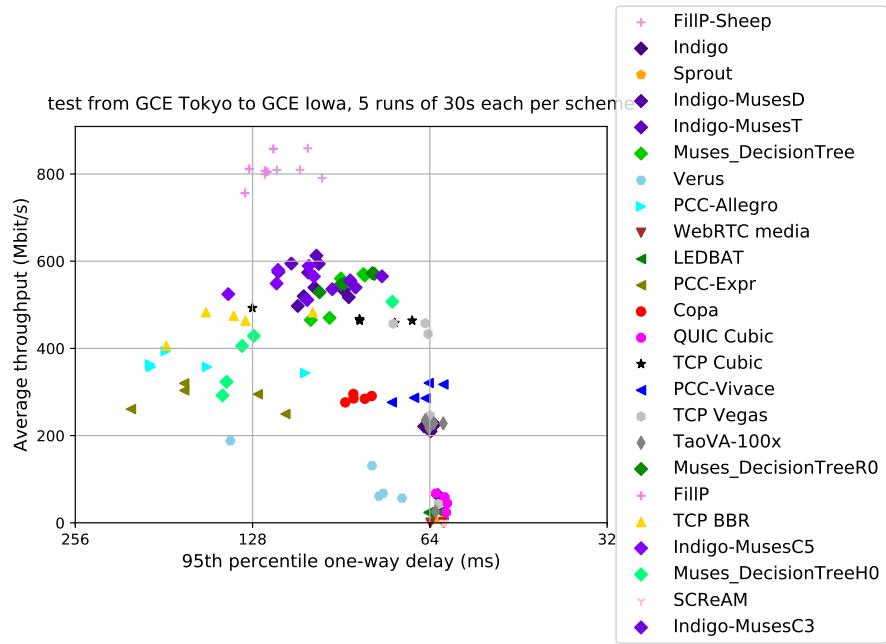
Git summary:

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

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

test from GCE Tokyo to GCE Iowa, 5 runs of 30s each per scheme
(mean of all runs by scheme)





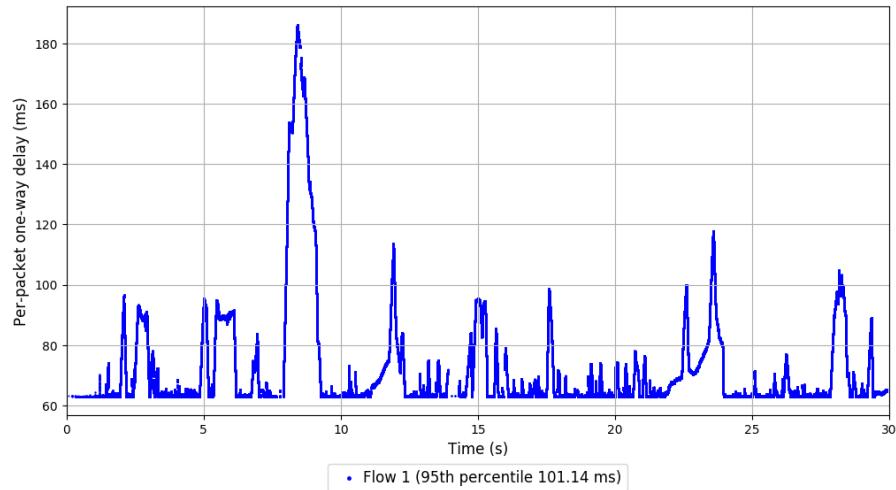
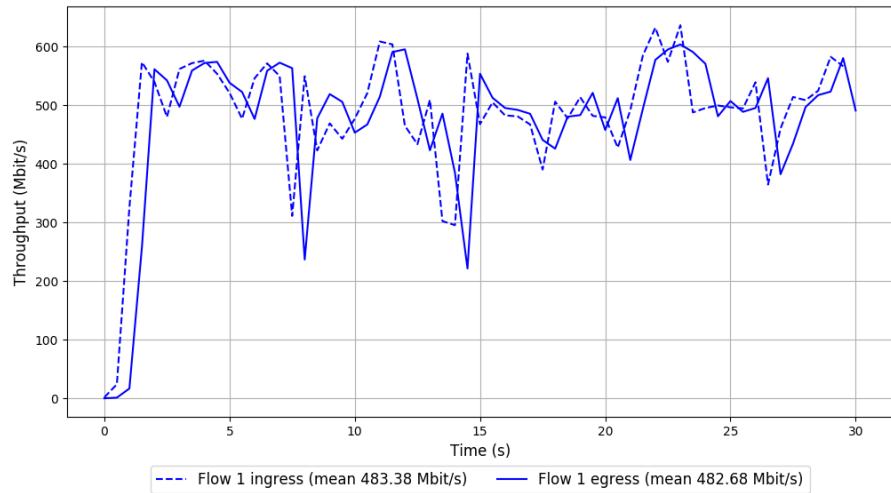
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	461.89	140.68	0.80
Copa	5	286.39	84.90	0.47
TCP Cubic	5	469.15	87.70	0.40
FillP	5	807.60	124.42	1.33
FillP-Sheep	5	813.57	109.07	0.63
Indigo	5	188.50	63.69	0.48
Indigo-MusesC3	5	541.58	89.43	0.48
Indigo-MusesC5	5	561.45	115.32	0.56
Indigo-MusesD	5	521.55	98.01	0.49
Indigo-MusesT	5	590.10	105.44	0.53
LEDBAT	5	24.18	63.07	0.74
Muses_DecisionTree	5	526.70	90.55	0.49
Muses_DecisionTreeH0	5	391.38	124.09	1.16
Muses_DecisionTreeR0	5	553.40	87.64	0.48
PCC-Allegro	5	363.10	163.71	1.89
PCC-Expr	5	285.74	155.64	2.53
QUIC Cubic	4	48.83	60.68	0.67
SCReAM	5	0.22	60.44	0.38
Sprout	5	6.98	61.87	0.40
TaoVA-100x	5	186.98	63.14	0.35
TCP Vegas	5	327.39	65.86	0.32
Verus	5	100.87	89.20	0.09
PCC-Vivace	5	297.35	66.46	0.49
WebRTC media	4	0.05	61.40	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-10-03 05:53:40
End at: 2019-10-03 05:54:10
Local clock offset: 0.076 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2019-10-03 08:48:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 482.68 Mbit/s
95th percentile per-packet one-way delay: 101.138 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 482.68 Mbit/s
95th percentile per-packet one-way delay: 101.138 ms
Loss rate: 0.56%
```

Run 1: Report of TCP BBR — Data Link

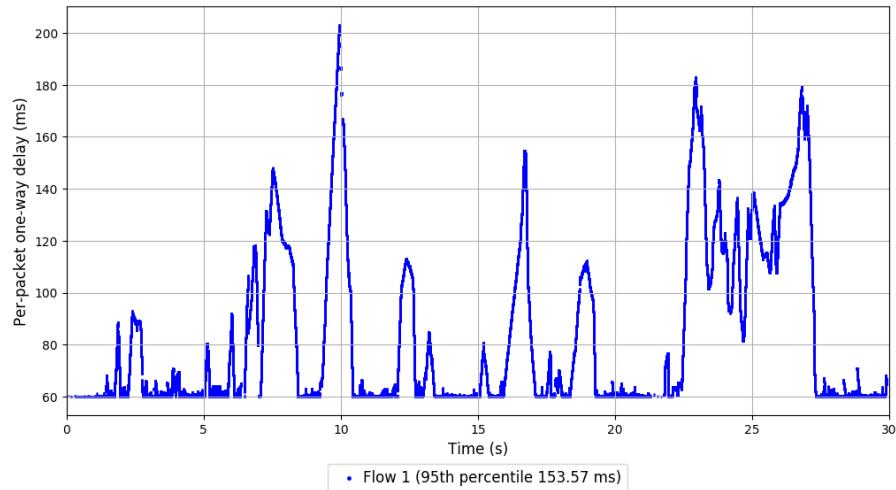
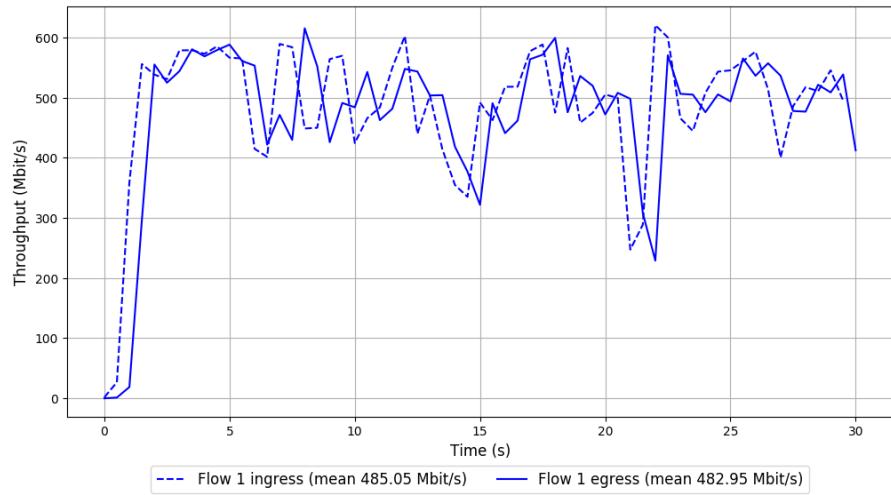


Run 2: Statistics of TCP BBR

```
Start at: 2019-10-03 06:28:08
End at: 2019-10-03 06:28:38
Local clock offset: -0.068 ms
Remote clock offset: 0.1 ms

# Below is generated by plot.py at 2019-10-03 08:48:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 482.95 Mbit/s
95th percentile per-packet one-way delay: 153.574 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 482.95 Mbit/s
95th percentile per-packet one-way delay: 153.574 ms
Loss rate: 0.85%
```

Run 2: Report of TCP BBR — Data Link

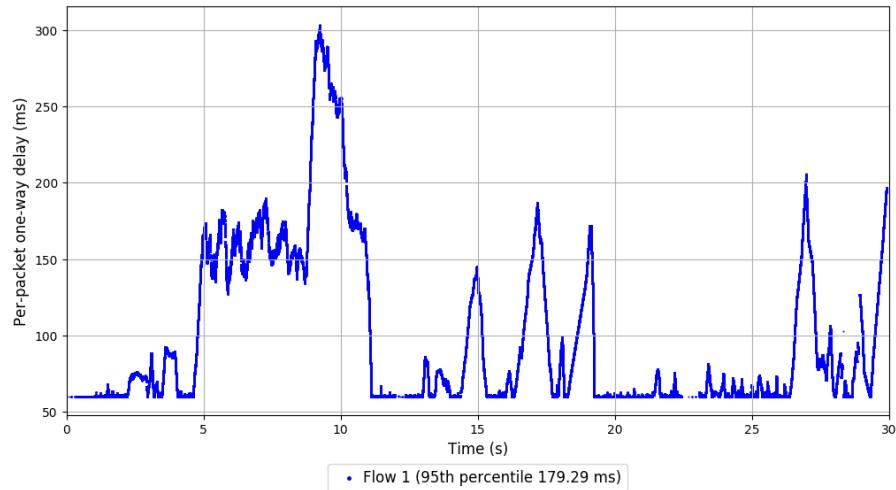
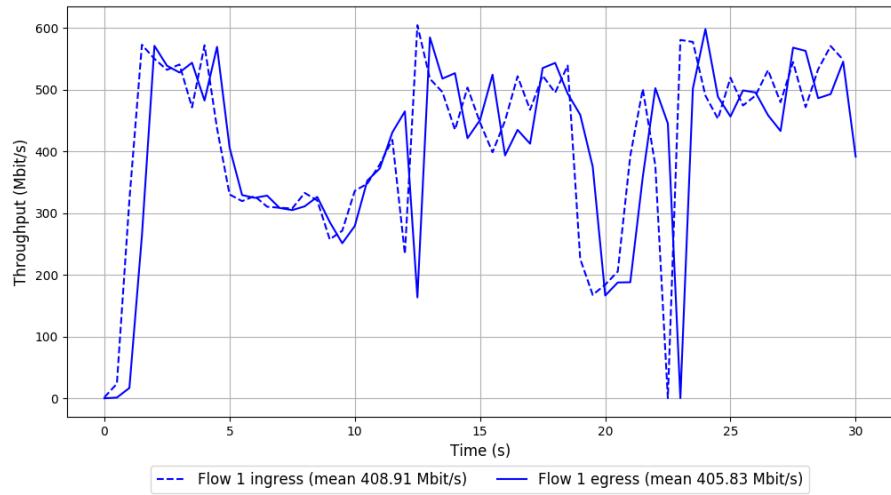


Run 3: Statistics of TCP BBR

```
Start at: 2019-10-03 07:03:12
End at: 2019-10-03 07:03:42
Local clock offset: -0.1 ms
Remote clock offset: -0.195 ms

# Below is generated by plot.py at 2019-10-03 08:48:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 405.83 Mbit/s
95th percentile per-packet one-way delay: 179.292 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 405.83 Mbit/s
95th percentile per-packet one-way delay: 179.292 ms
Loss rate: 1.17%
```

Run 3: Report of TCP BBR — Data Link

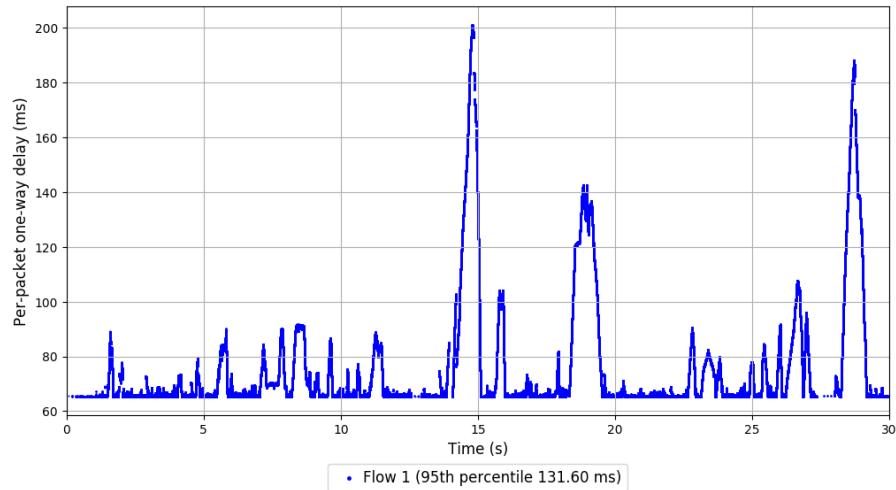
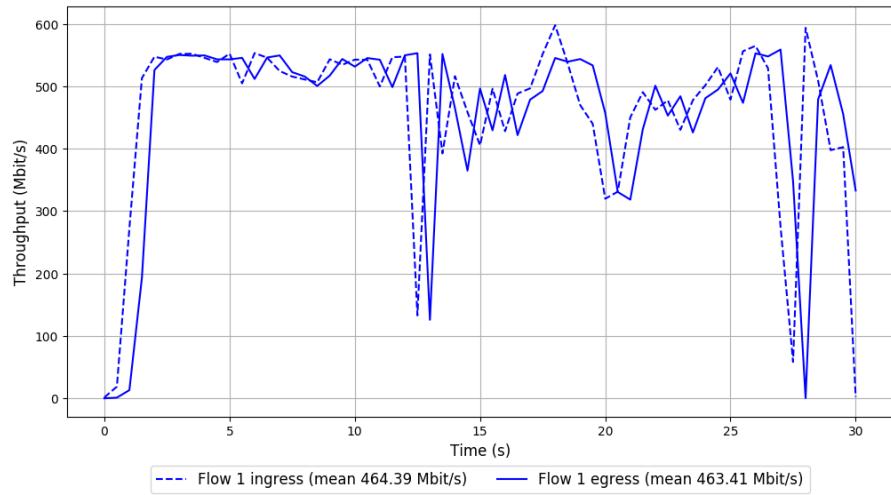


Run 4: Statistics of TCP BBR

```
Start at: 2019-10-03 07:37:54
End at: 2019-10-03 07:38:24
Local clock offset: -0.035 ms
Remote clock offset: -0.177 ms

# Below is generated by plot.py at 2019-10-03 08:48:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 463.41 Mbit/s
95th percentile per-packet one-way delay: 131.602 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 463.41 Mbit/s
95th percentile per-packet one-way delay: 131.602 ms
Loss rate: 0.65%
```

Run 4: Report of TCP BBR — Data Link

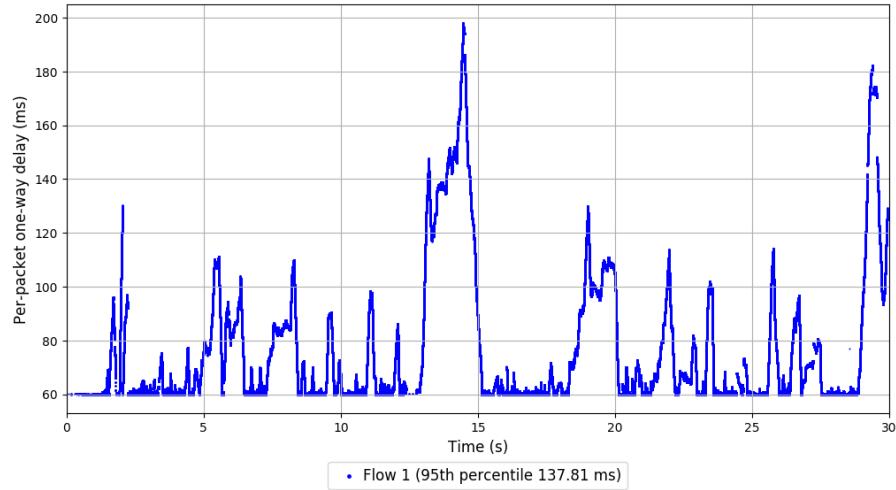
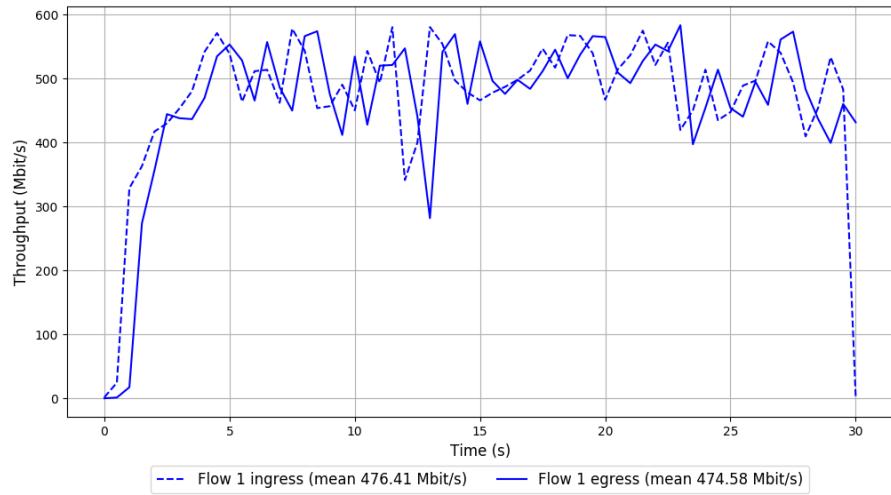


Run 5: Statistics of TCP BBR

```
Start at: 2019-10-03 08:12:22
End at: 2019-10-03 08:12:52
Local clock offset: -0.025 ms
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2019-10-03 08:48:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 474.58 Mbit/s
95th percentile per-packet one-way delay: 137.808 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 474.58 Mbit/s
95th percentile per-packet one-way delay: 137.808 ms
Loss rate: 0.79%
```

Run 5: Report of TCP BBR — Data Link

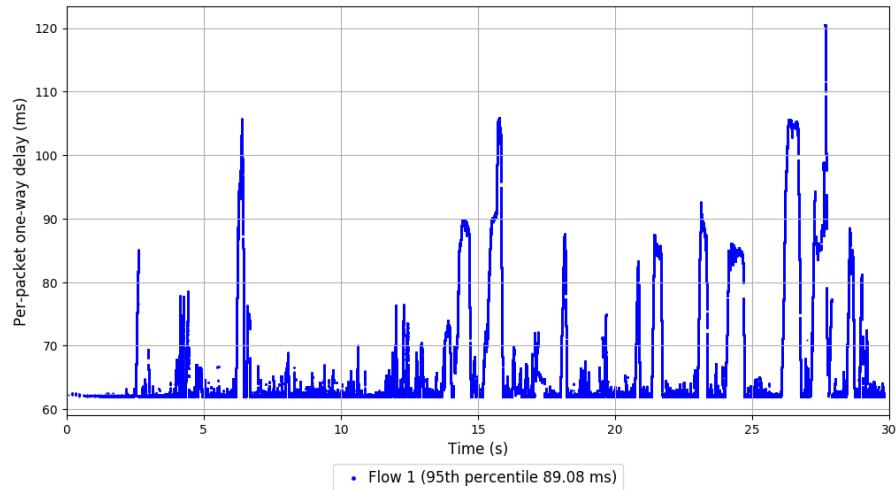
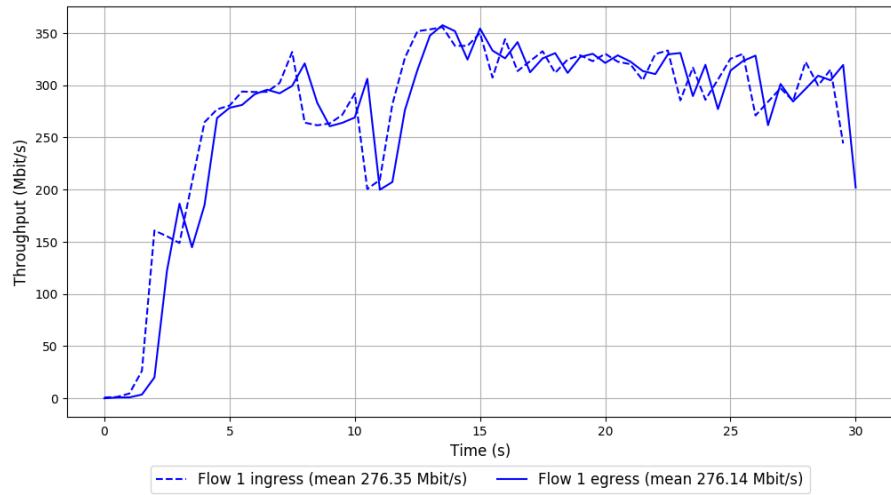


Run 1: Statistics of Copa

```
Start at: 2019-10-03 05:36:58
End at: 2019-10-03 05:37:28
Local clock offset: 0.006 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2019-10-03 08:49:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 276.14 Mbit/s
95th percentile per-packet one-way delay: 89.079 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 276.14 Mbit/s
95th percentile per-packet one-way delay: 89.079 ms
Loss rate: 0.50%
```

Run 1: Report of Copa — Data Link

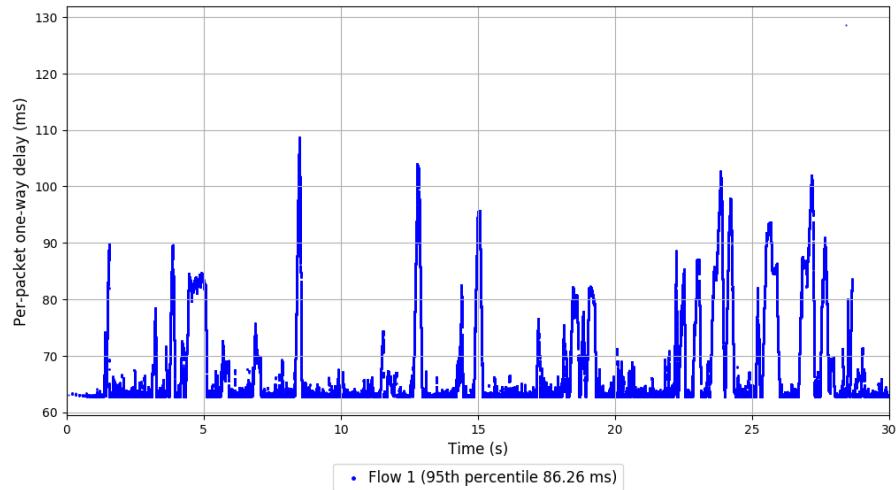
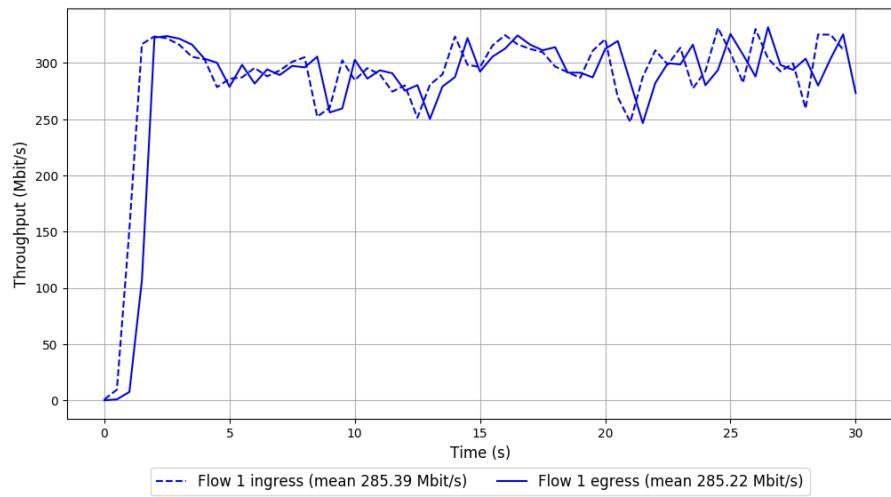


Run 2: Statistics of Copa

```
Start at: 2019-10-03 06:11:19
End at: 2019-10-03 06:11:49
Local clock offset: -0.029 ms
Remote clock offset: 0.056 ms

# Below is generated by plot.py at 2019-10-03 08:49:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 285.22 Mbit/s
95th percentile per-packet one-way delay: 86.256 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 285.22 Mbit/s
95th percentile per-packet one-way delay: 86.256 ms
Loss rate: 0.47%
```

Run 2: Report of Copa — Data Link

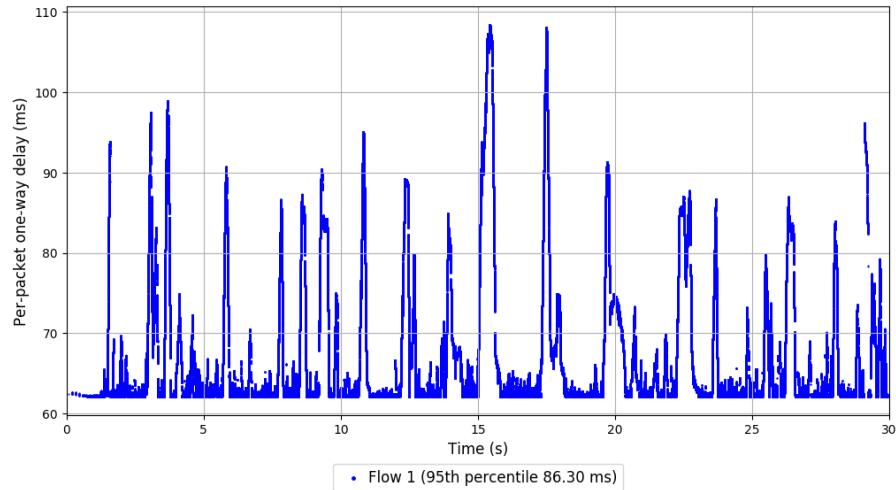
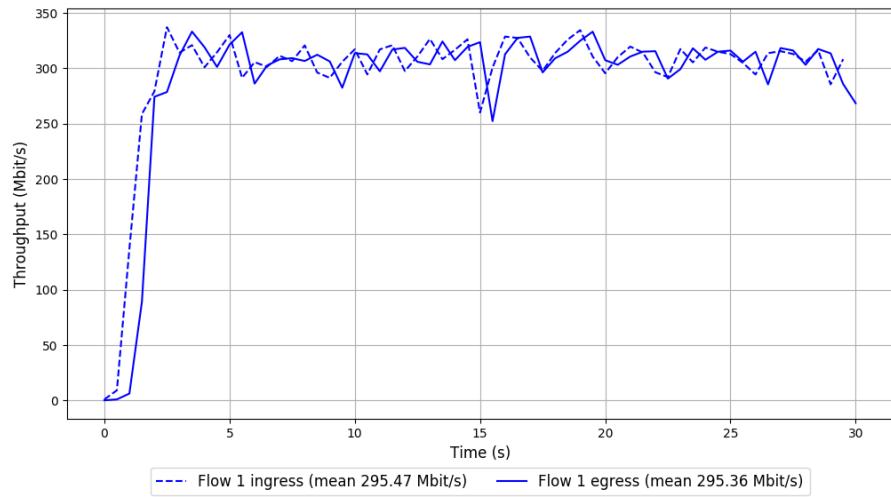


Run 3: Statistics of Copa

```
Start at: 2019-10-03 06:45:58
End at: 2019-10-03 06:46:28
Local clock offset: -0.062 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2019-10-03 08:49:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 295.36 Mbit/s
95th percentile per-packet one-way delay: 86.301 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 295.36 Mbit/s
95th percentile per-packet one-way delay: 86.301 ms
Loss rate: 0.46%
```

Run 3: Report of Copa — Data Link

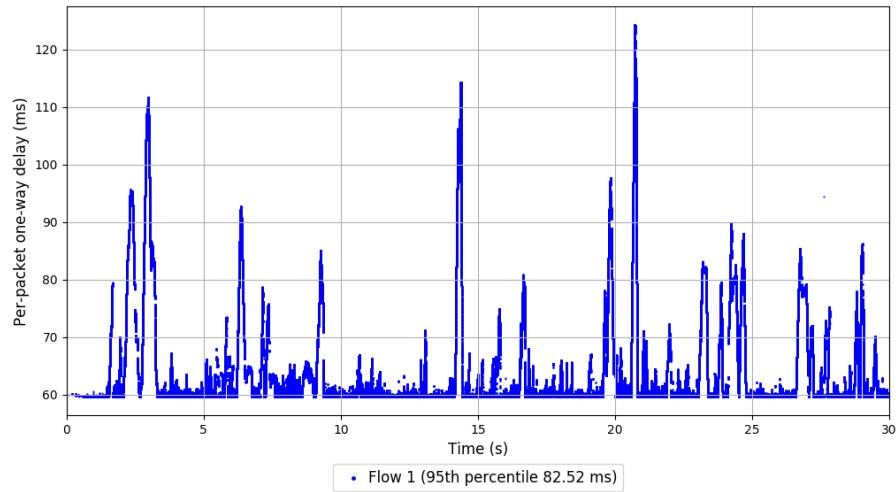
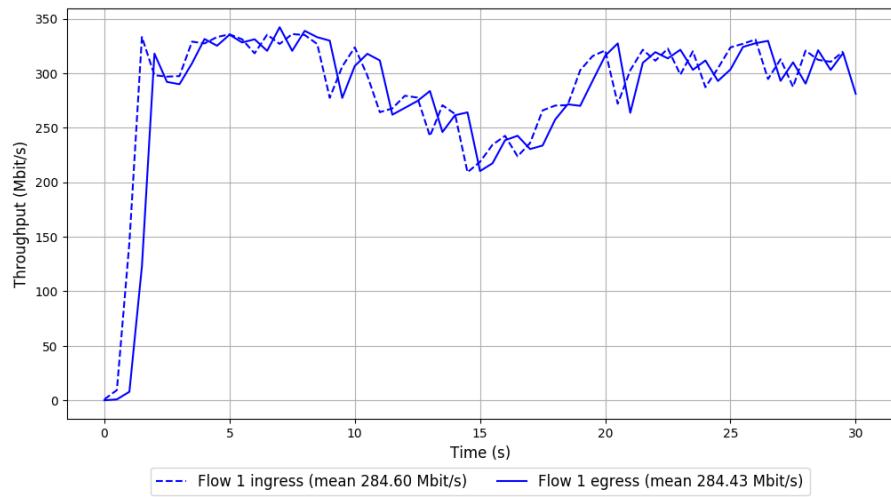


Run 4: Statistics of Copa

```
Start at: 2019-10-03 07:20:53
End at: 2019-10-03 07:21:23
Local clock offset: -0.078 ms
Remote clock offset: -0.136 ms

# Below is generated by plot.py at 2019-10-03 08:57:10
# Datalink statistics
-- Total of 1 flow:
Average throughput: 284.43 Mbit/s
95th percentile per-packet one-way delay: 82.518 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 284.43 Mbit/s
95th percentile per-packet one-way delay: 82.518 ms
Loss rate: 0.47%
```

Run 4: Report of Copa — Data Link

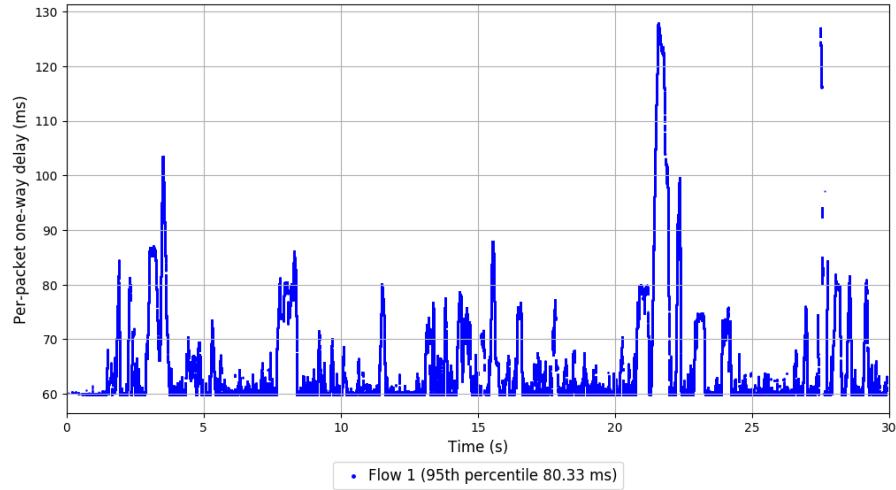
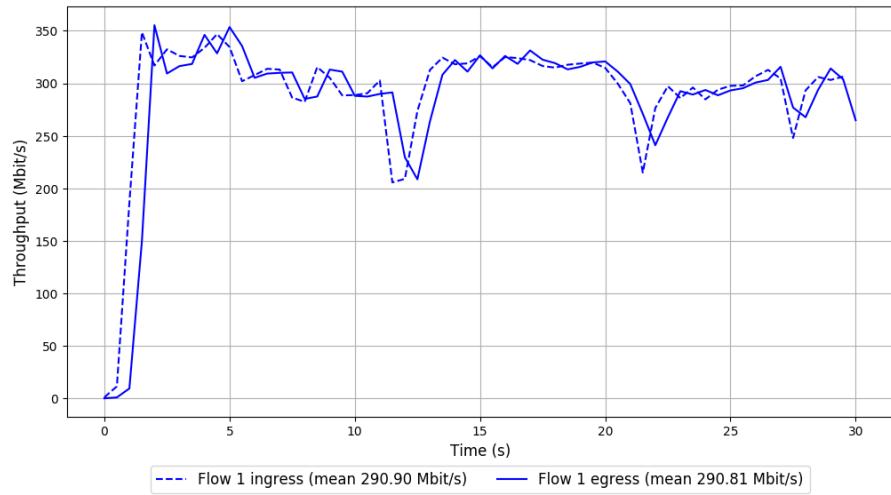


Run 5: Statistics of Copa

```
Start at: 2019-10-03 07:55:39
End at: 2019-10-03 07:56:09
Local clock offset: -0.055 ms
Remote clock offset: -0.092 ms

# Below is generated by plot.py at 2019-10-03 08:58:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 290.81 Mbit/s
95th percentile per-packet one-way delay: 80.329 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 290.81 Mbit/s
95th percentile per-packet one-way delay: 80.329 ms
Loss rate: 0.44%
```

Run 5: Report of Copa — Data Link

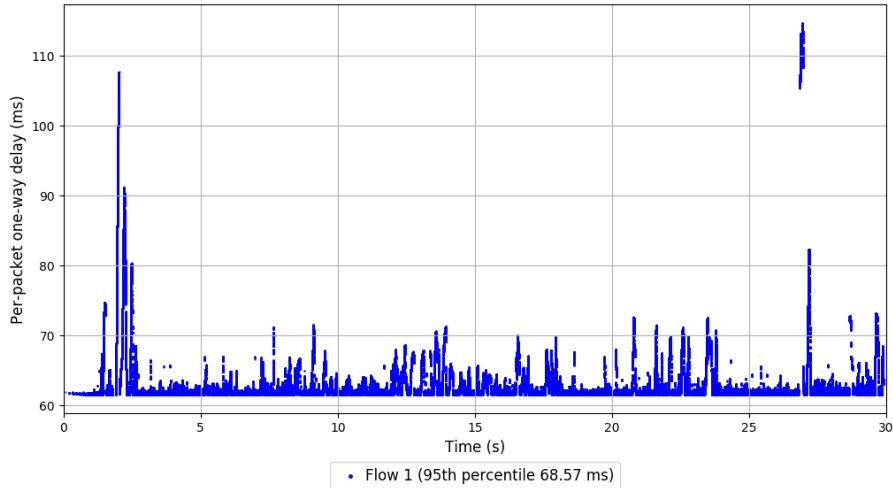
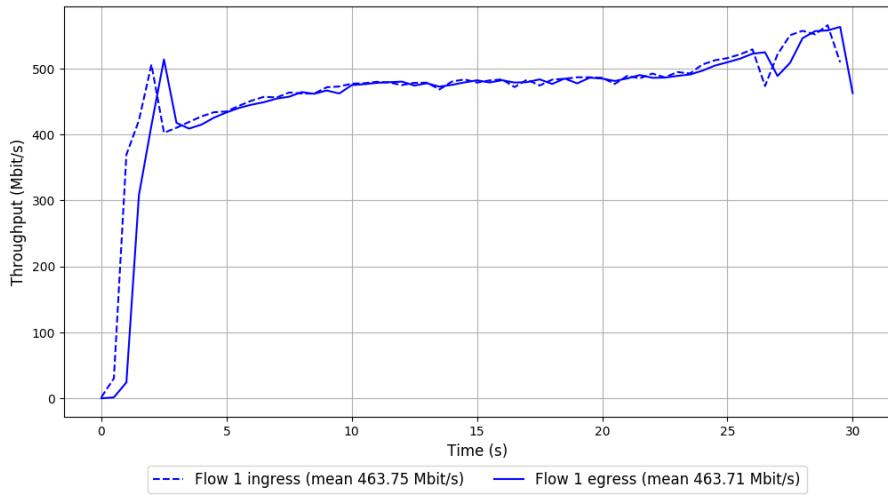


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-10-03 05:40:11
End at: 2019-10-03 05:40:41
Local clock offset: 0.018 ms
Remote clock offset: 0.617 ms

# Below is generated by plot.py at 2019-10-03 08:58:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 463.71 Mbit/s
95th percentile per-packet one-way delay: 68.567 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 463.71 Mbit/s
95th percentile per-packet one-way delay: 68.567 ms
Loss rate: 0.42%
```

Run 1: Report of TCP Cubic — Data Link

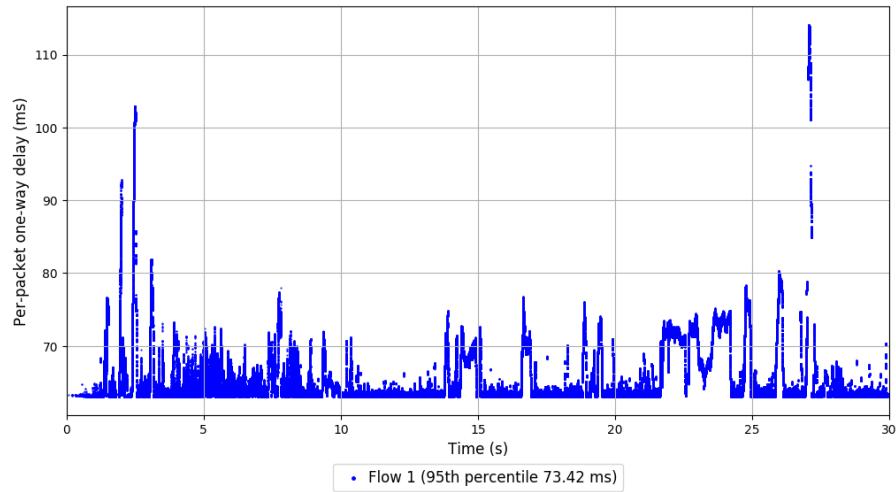
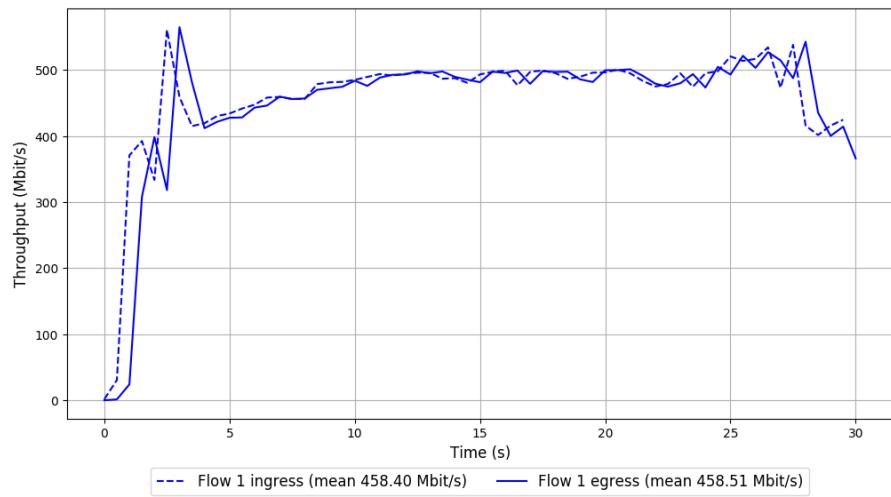


Run 2: Statistics of TCP Cubic

```
Start at: 2019-10-03 06:14:36
End at: 2019-10-03 06:15:06
Local clock offset: -0.07 ms
Remote clock offset: -0.655 ms

# Below is generated by plot.py at 2019-10-03 08:58:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 458.51 Mbit/s
95th percentile per-packet one-way delay: 73.418 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 458.51 Mbit/s
95th percentile per-packet one-way delay: 73.418 ms
Loss rate: 0.39%
```

Run 2: Report of TCP Cubic — Data Link

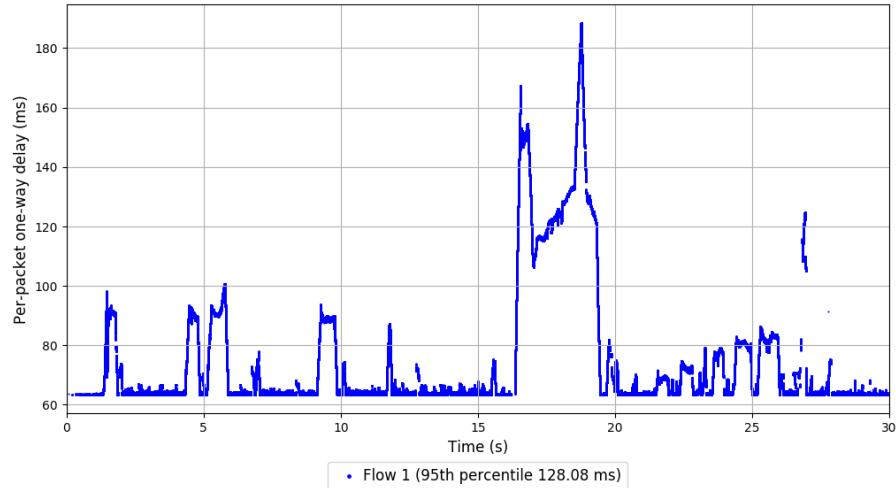
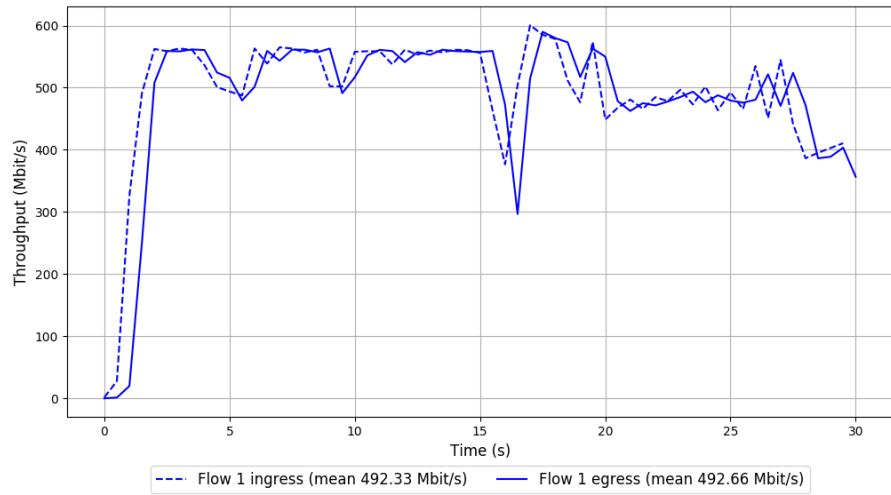


```
Run 3: Statistics of TCP Cubic
```

```
Start at: 2019-10-03 06:49:13
End at: 2019-10-03 06:49:43
Local clock offset: -0.075 ms
Remote clock offset: -0.093 ms

# Below is generated by plot.py at 2019-10-03 08:58:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 492.66 Mbit/s
95th percentile per-packet one-way delay: 128.081 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 492.66 Mbit/s
95th percentile per-packet one-way delay: 128.081 ms
Loss rate: 0.35%
```

Run 3: Report of TCP Cubic — Data Link

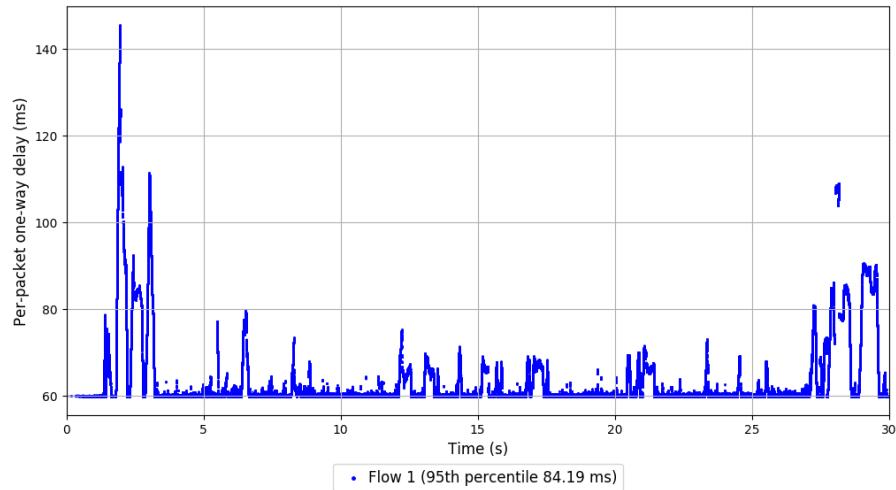
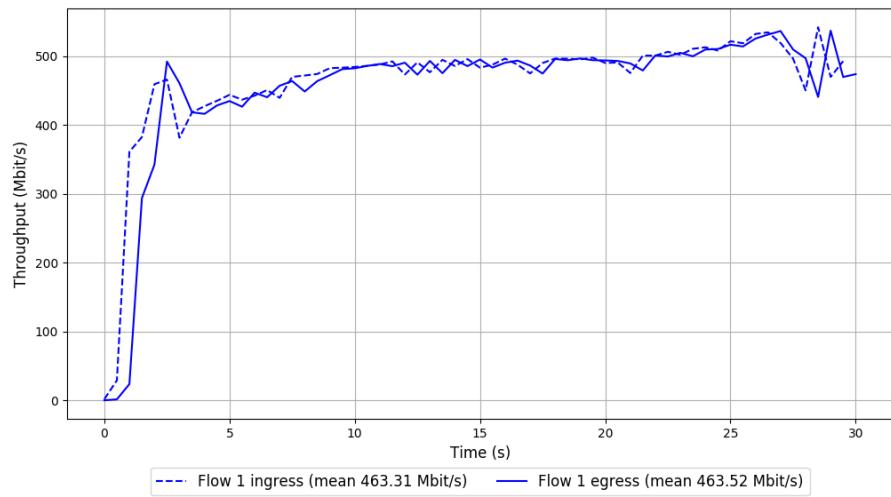


Run 4: Statistics of TCP Cubic

```
Start at: 2019-10-03 07:24:07
End at: 2019-10-03 07:24:37
Local clock offset: -0.032 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2019-10-03 08:58:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 463.52 Mbit/s
95th percentile per-packet one-way delay: 84.186 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 463.52 Mbit/s
95th percentile per-packet one-way delay: 84.186 ms
Loss rate: 0.37%
```

Run 4: Report of TCP Cubic — Data Link

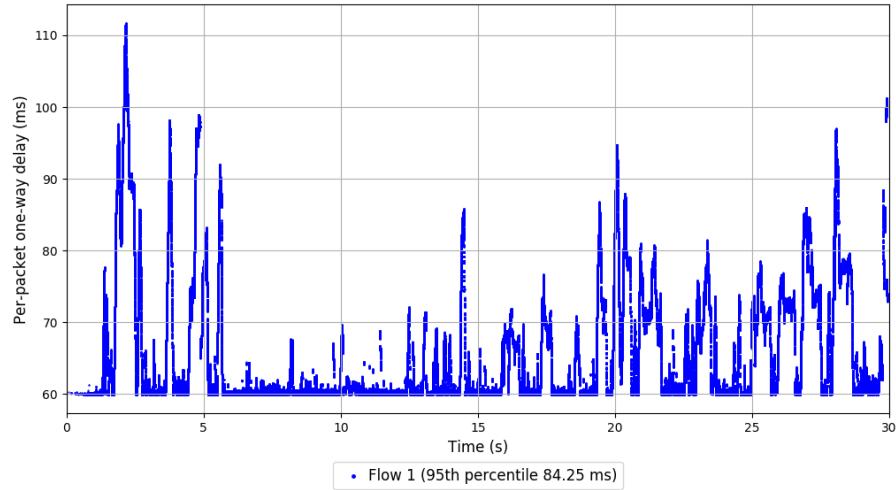
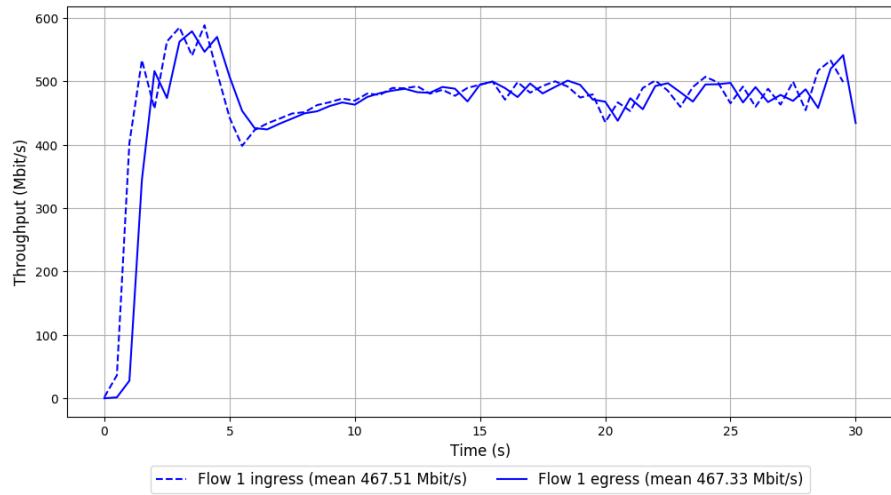


Run 5: Statistics of TCP Cubic

```
Start at: 2019-10-03 07:58:54
End at: 2019-10-03 07:59:24
Local clock offset: -0.045 ms
Remote clock offset: -0.126 ms

# Below is generated by plot.py at 2019-10-03 08:58:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 467.33 Mbit/s
95th percentile per-packet one-way delay: 84.253 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 467.33 Mbit/s
95th percentile per-packet one-way delay: 84.253 ms
Loss rate: 0.45%
```

Run 5: Report of TCP Cubic — Data Link

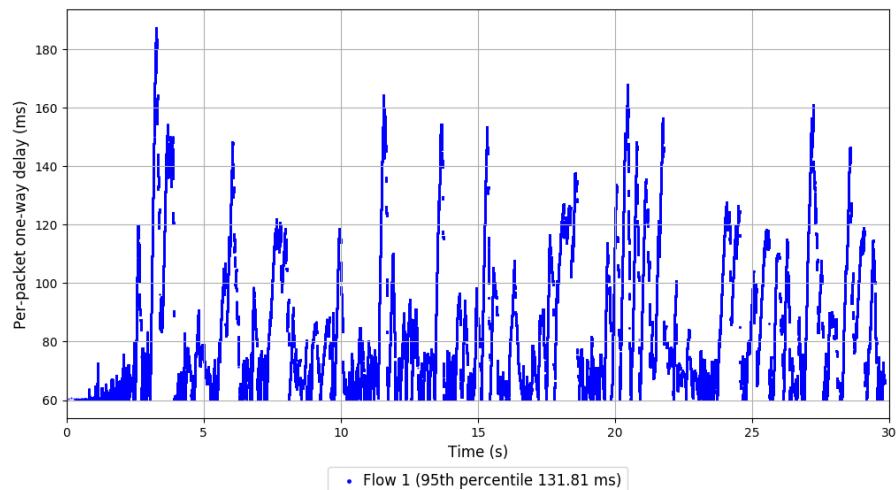
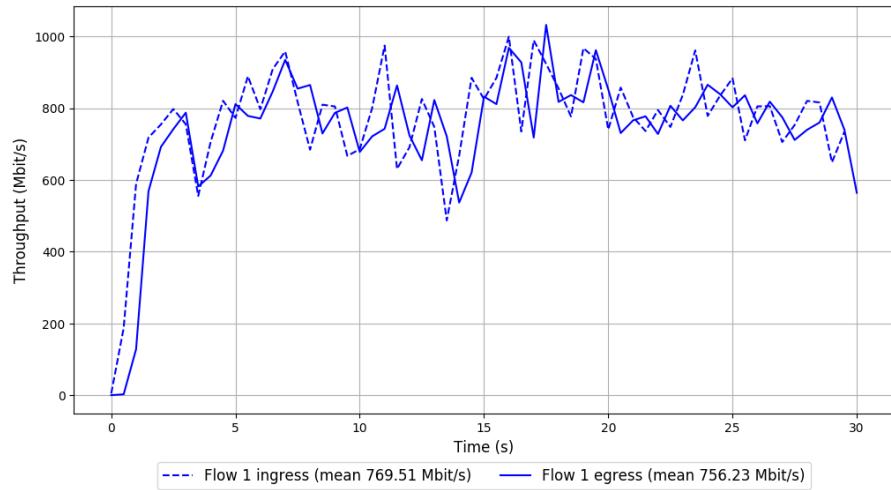


```
Run 1: Statistics of FillP

Start at: 2019-10-03 06:02:54
End at: 2019-10-03 06:03:24
Local clock offset: 0.026 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2019-10-03 09:05:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 756.23 Mbit/s
95th percentile per-packet one-way delay: 131.811 ms
Loss rate: 2.13%
-- Flow 1:
Average throughput: 756.23 Mbit/s
95th percentile per-packet one-way delay: 131.811 ms
Loss rate: 2.13%
```

Run 1: Report of FillP — Data Link

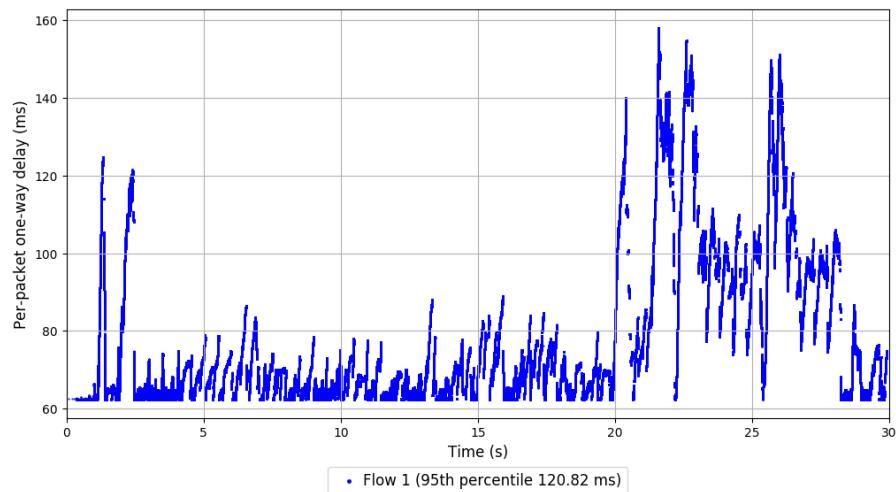
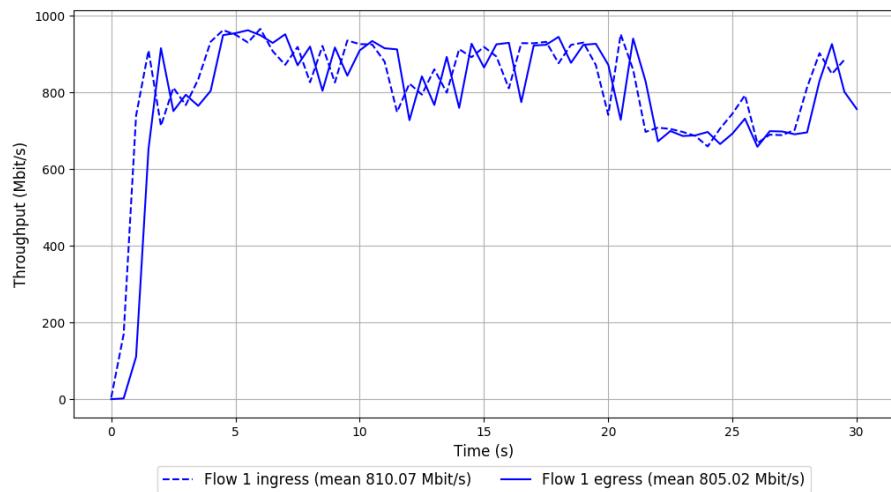


Run 2: Statistics of FillP

```
Start at: 2019-10-03 06:37:24
End at: 2019-10-03 06:37:54
Local clock offset: -0.057 ms
Remote clock offset: -0.199 ms

# Below is generated by plot.py at 2019-10-03 09:15:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 805.02 Mbit/s
95th percentile per-packet one-way delay: 120.822 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 805.02 Mbit/s
95th percentile per-packet one-way delay: 120.822 ms
Loss rate: 1.05%
```

Run 2: Report of FillP — Data Link

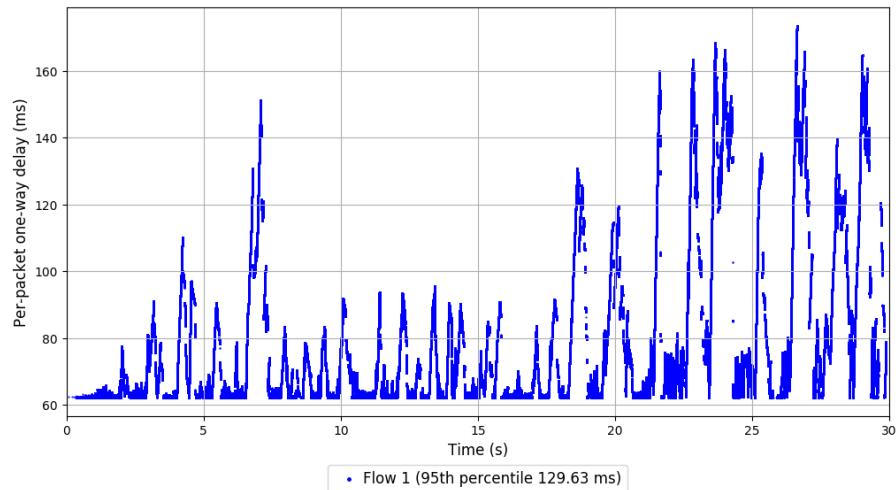
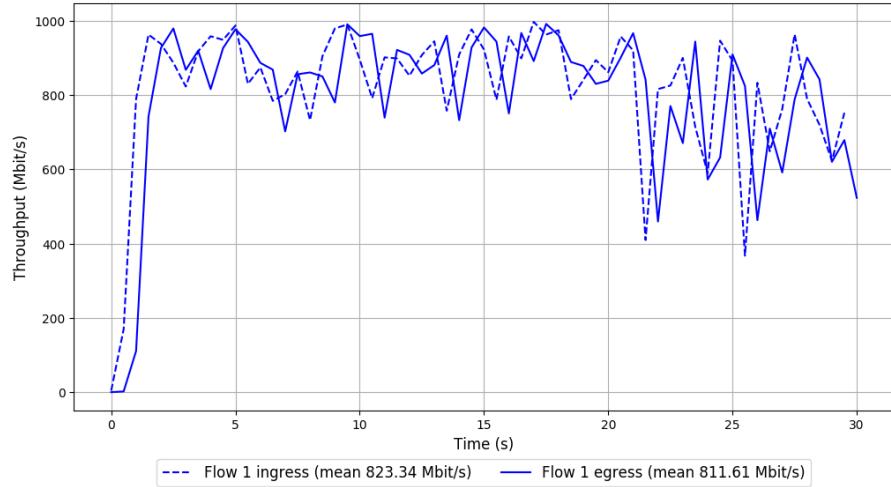


```
Run 3: Statistics of FillP
```

```
Start at: 2019-10-03 07:12:20
End at: 2019-10-03 07:12:50
Local clock offset: -0.047 ms
Remote clock offset: -0.138 ms

# Below is generated by plot.py at 2019-10-03 09:15:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 811.61 Mbit/s
95th percentile per-packet one-way delay: 129.633 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 811.61 Mbit/s
95th percentile per-packet one-way delay: 129.633 ms
Loss rate: 1.85%
```

Run 3: Report of FillP — Data Link

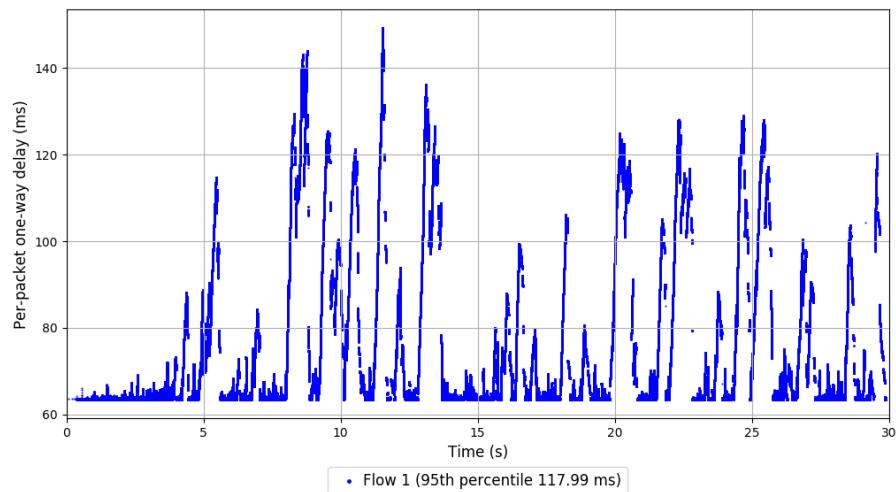
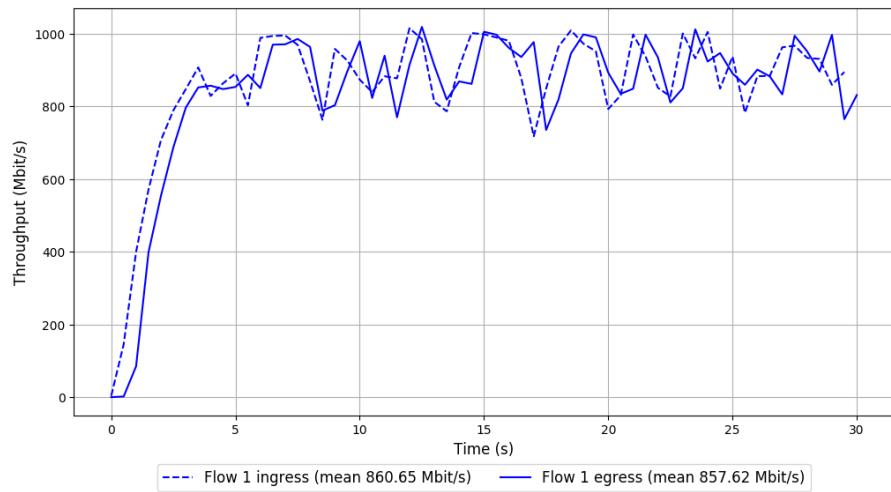


Run 4: Statistics of FillP

```
Start at: 2019-10-03 07:47:04
End at: 2019-10-03 07:47:34
Local clock offset: -0.049 ms
Remote clock offset: -0.304 ms

# Below is generated by plot.py at 2019-10-03 09:16:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 857.62 Mbit/s
95th percentile per-packet one-way delay: 117.992 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 857.62 Mbit/s
95th percentile per-packet one-way delay: 117.992 ms
Loss rate: 0.77%
```

Run 4: Report of FillP — Data Link

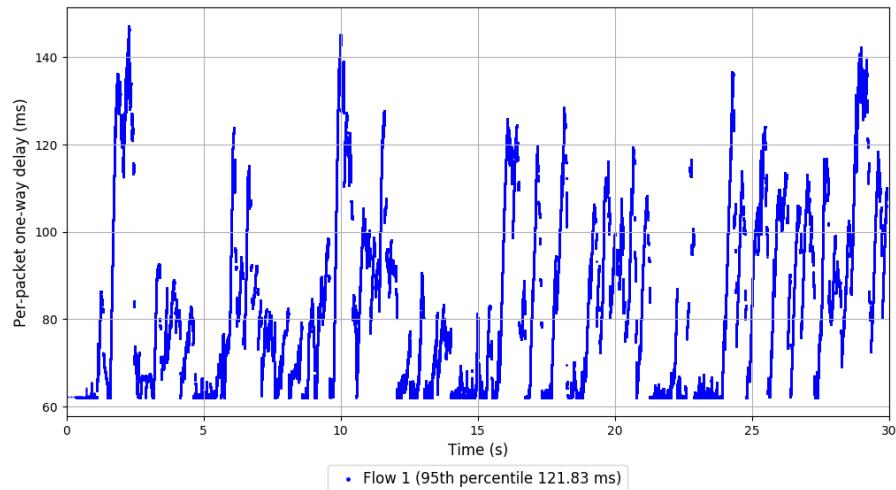
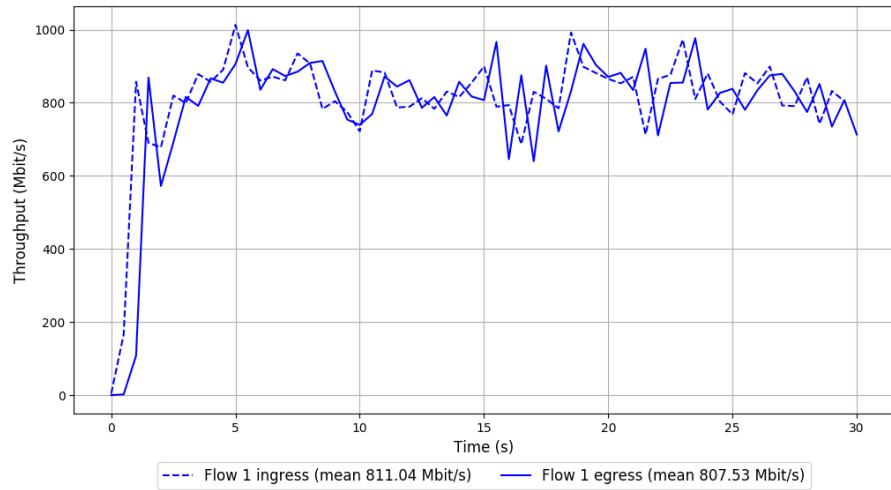


```
Run 5: Statistics of FillP
```

```
Start at: 2019-10-03 08:21:41
End at: 2019-10-03 08:22:11
Local clock offset: -0.026 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2019-10-03 09:16:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 807.53 Mbit/s
95th percentile per-packet one-way delay: 121.826 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 807.53 Mbit/s
95th percentile per-packet one-way delay: 121.826 ms
Loss rate: 0.85%
```

Run 5: Report of FillP — Data Link

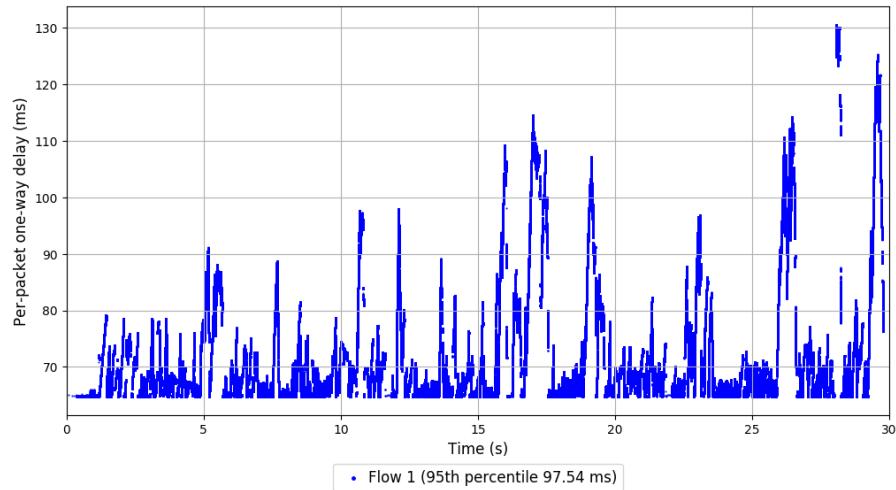
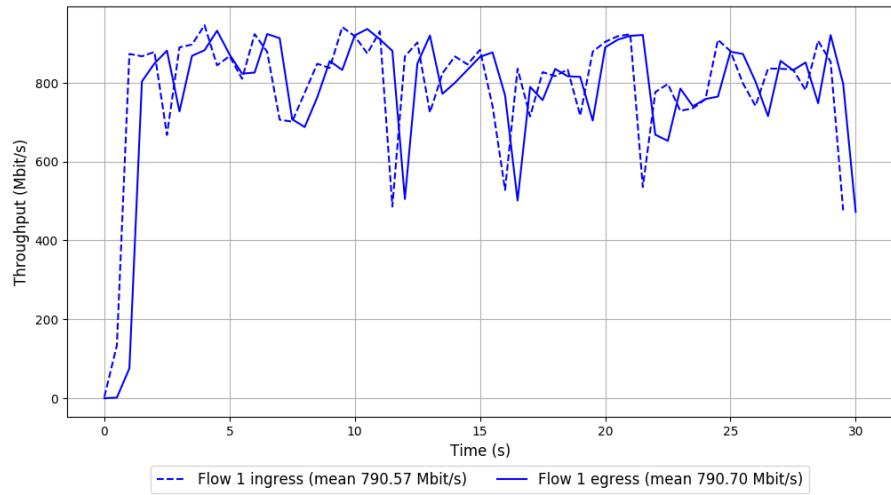


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-10-03 05:38:31
End at: 2019-10-03 05:39:01
Local clock offset: 0.055 ms
Remote clock offset: 0.426 ms

# Below is generated by plot.py at 2019-10-03 09:16:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 790.70 Mbit/s
95th percentile per-packet one-way delay: 97.538 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 790.70 Mbit/s
95th percentile per-packet one-way delay: 97.538 ms
Loss rate: 0.42%
```

Run 1: Report of FillP-Sheep — Data Link

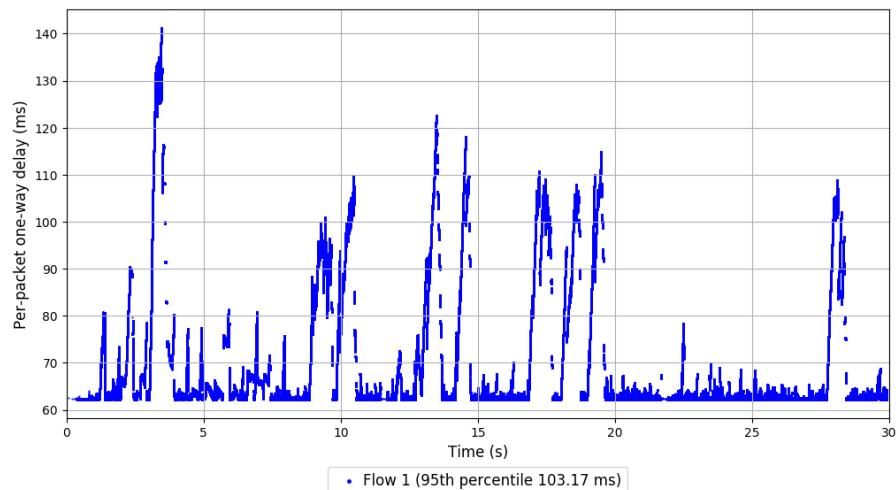
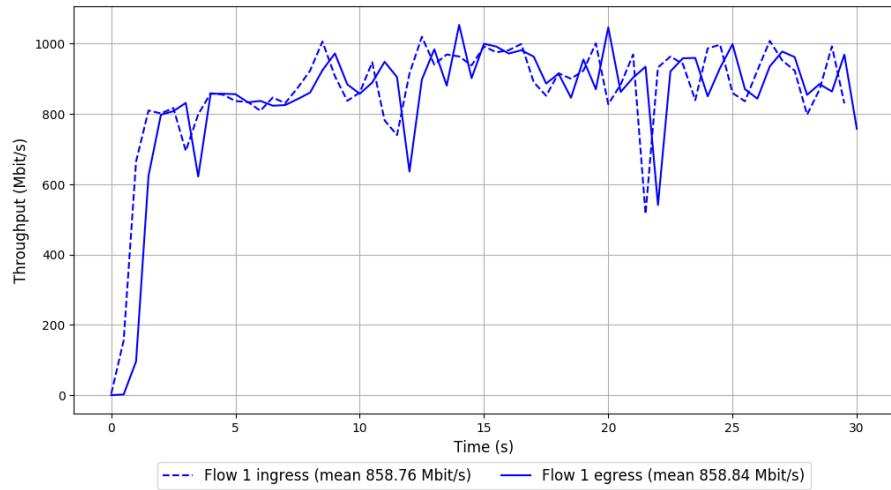


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-10-03 06:12:53
End at: 2019-10-03 06:13:23
Local clock offset: -0.049 ms
Remote clock offset: -0.176 ms

# Below is generated by plot.py at 2019-10-03 09:17:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 858.84 Mbit/s
95th percentile per-packet one-way delay: 103.170 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 858.84 Mbit/s
95th percentile per-packet one-way delay: 103.170 ms
Loss rate: 0.40%
```

Run 2: Report of FillP-Sheep — Data Link

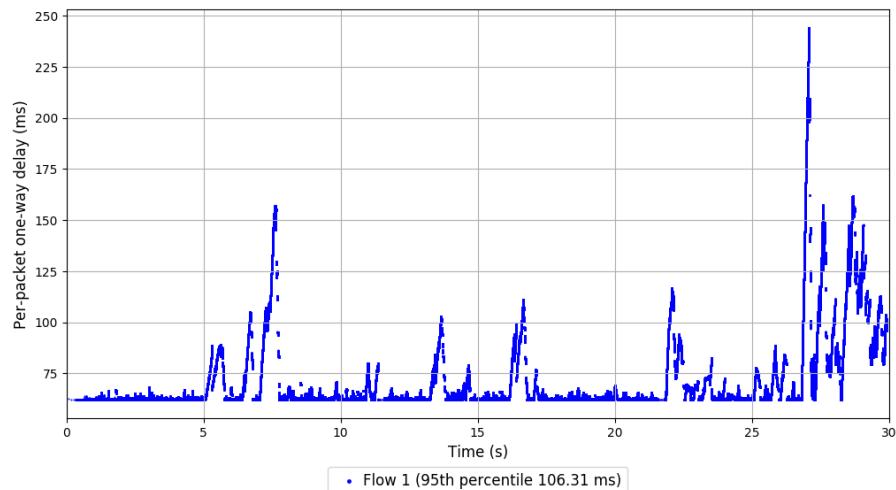
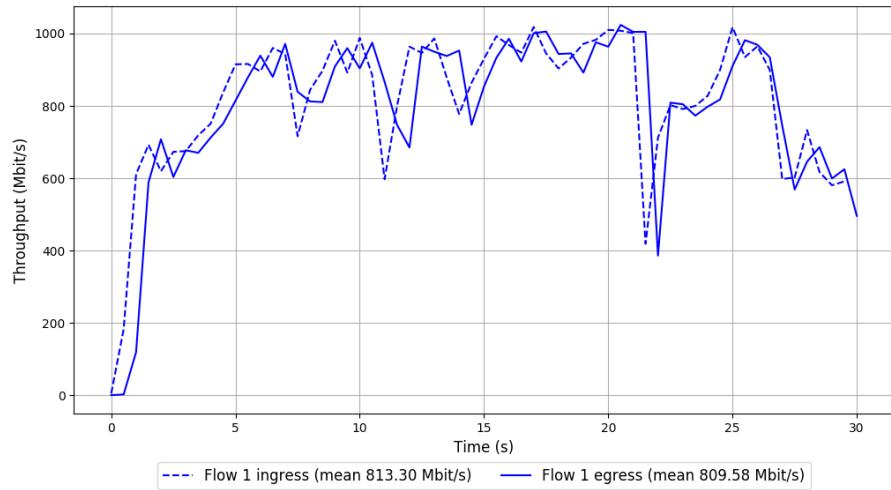


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-10-03 06:47:33
End at: 2019-10-03 06:48:03
Local clock offset: -0.074 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2019-10-03 09:17:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 809.58 Mbit/s
95th percentile per-packet one-way delay: 106.312 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 809.58 Mbit/s
95th percentile per-packet one-way delay: 106.312 ms
Loss rate: 0.88%
```

Run 3: Report of FillP-Sheep — Data Link

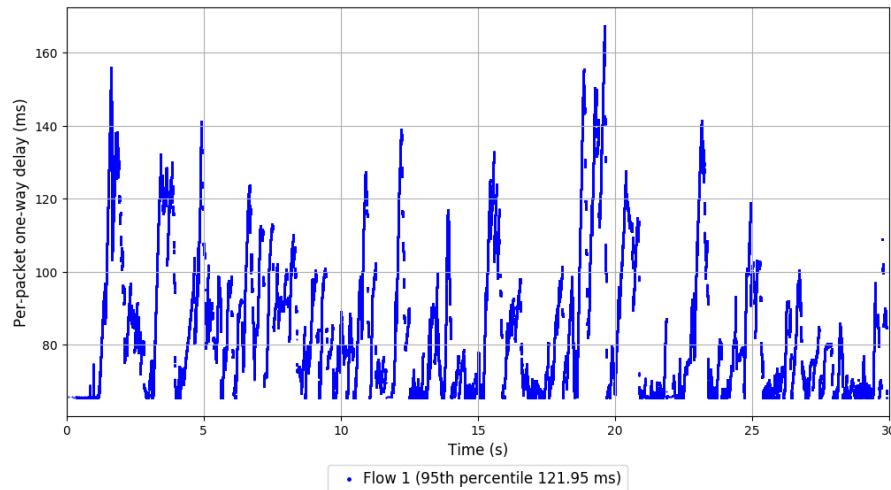
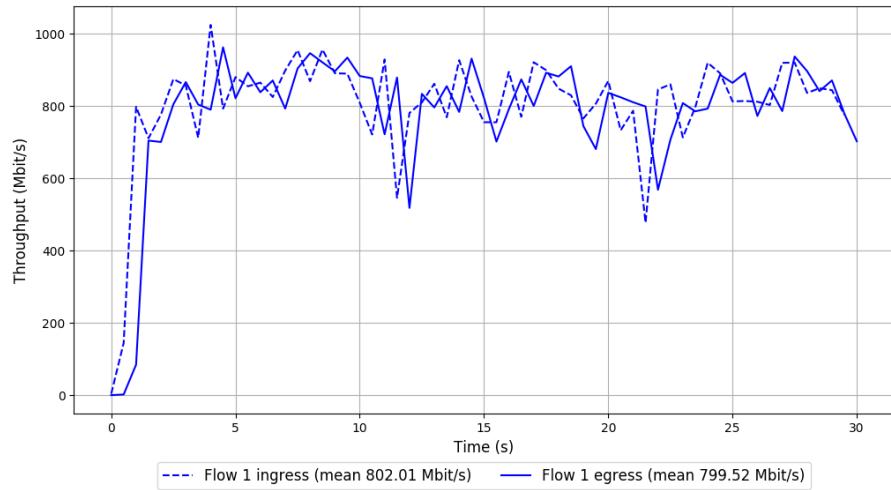


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-10-03 07:22:27
End at: 2019-10-03 07:22:57
Local clock offset: -0.043 ms
Remote clock offset: -0.139 ms

# Below is generated by plot.py at 2019-10-03 09:25:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 799.52 Mbit/s
95th percentile per-packet one-way delay: 121.954 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 799.52 Mbit/s
95th percentile per-packet one-way delay: 121.954 ms
Loss rate: 0.75%
```

Run 4: Report of FillP-Sheep — Data Link

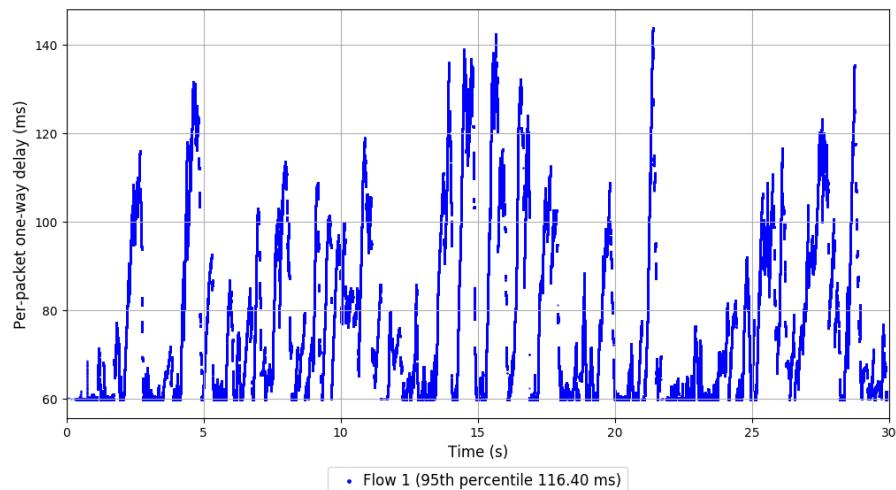
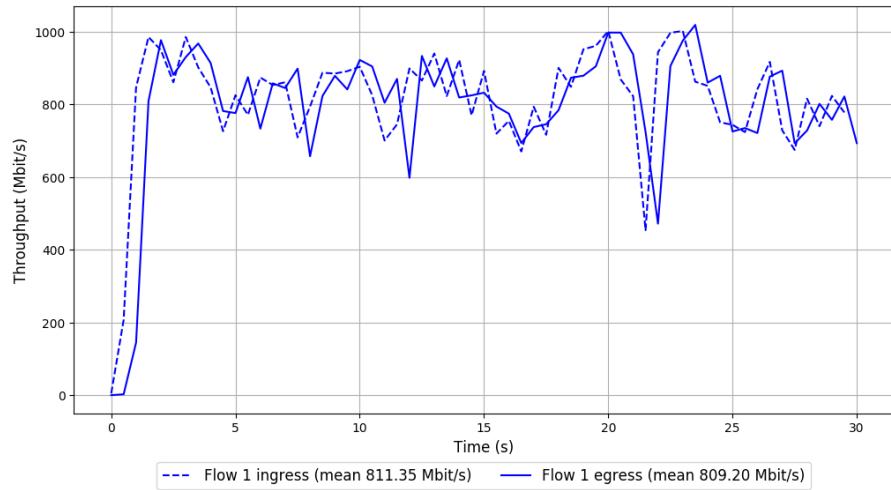


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-10-03 07:57:14
End at: 2019-10-03 07:57:44
Local clock offset: -0.039 ms
Remote clock offset: -0.225 ms

# Below is generated by plot.py at 2019-10-03 09:33:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 809.20 Mbit/s
95th percentile per-packet one-way delay: 116.396 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 809.20 Mbit/s
95th percentile per-packet one-way delay: 116.396 ms
Loss rate: 0.68%
```

Run 5: Report of FillP-Sheep — Data Link

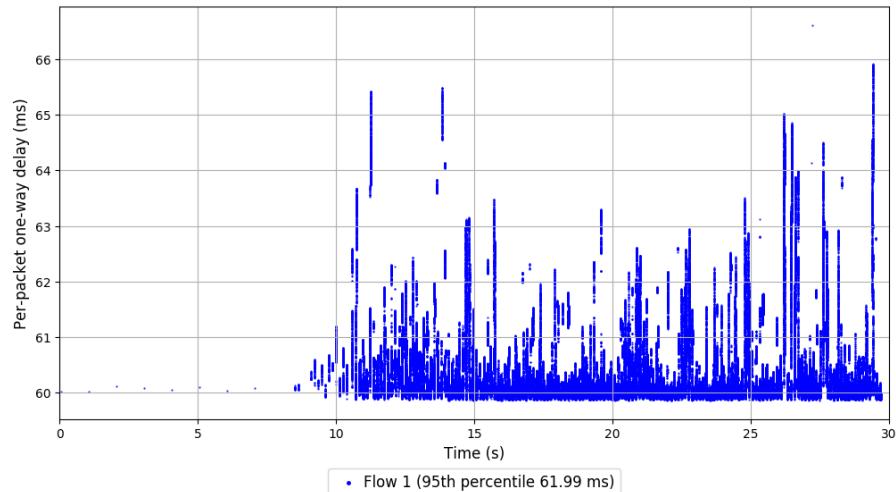
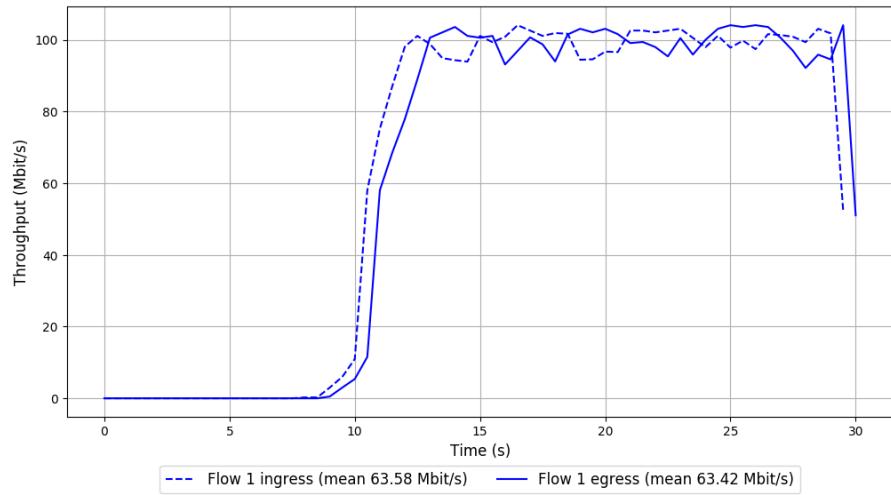


Run 1: Statistics of Indigo

```
Start at: 2019-10-03 05:43:10
End at: 2019-10-03 05:43:40
Local clock offset: 0.01 ms
Remote clock offset: -0.339 ms

# Below is generated by plot.py at 2019-10-03 09:33:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.42 Mbit/s
95th percentile per-packet one-way delay: 61.986 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 63.42 Mbit/s
95th percentile per-packet one-way delay: 61.986 ms
Loss rate: 0.66%
```

Run 1: Report of Indigo — Data Link

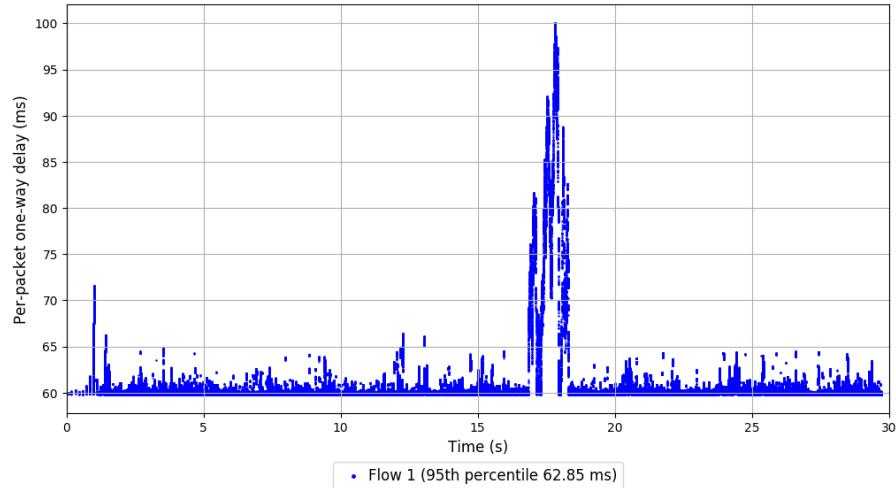
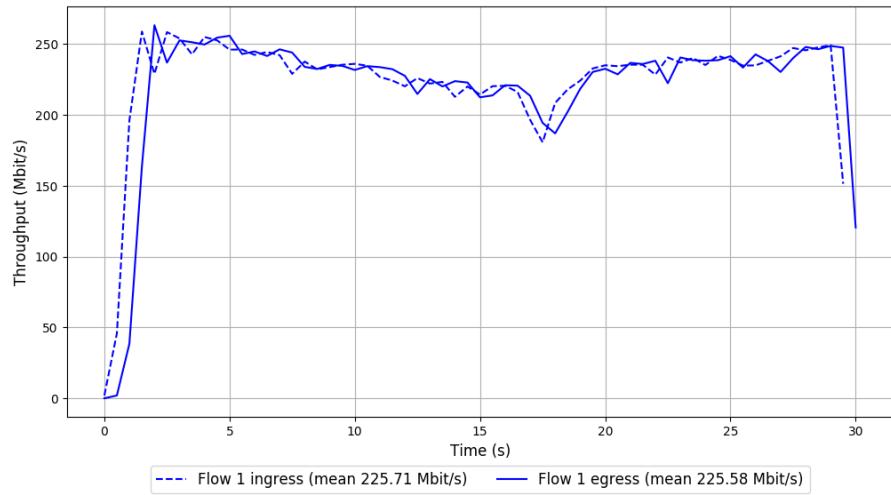


Run 2: Statistics of Indigo

```
Start at: 2019-10-03 06:17:17
End at: 2019-10-03 06:17:47
Local clock offset: -0.058 ms
Remote clock offset: 0.04 ms

# Below is generated by plot.py at 2019-10-03 09:33:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 225.58 Mbit/s
95th percentile per-packet one-way delay: 62.846 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 225.58 Mbit/s
95th percentile per-packet one-way delay: 62.846 ms
Loss rate: 0.47%
```

Run 2: Report of Indigo — Data Link

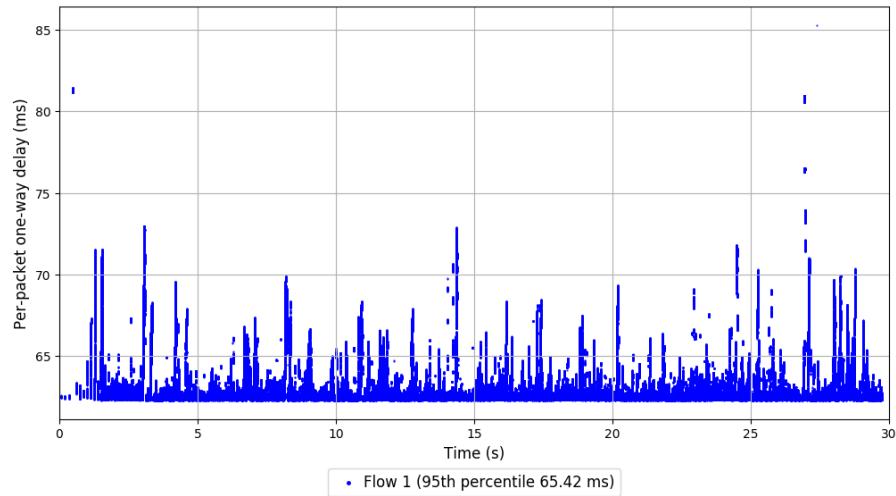
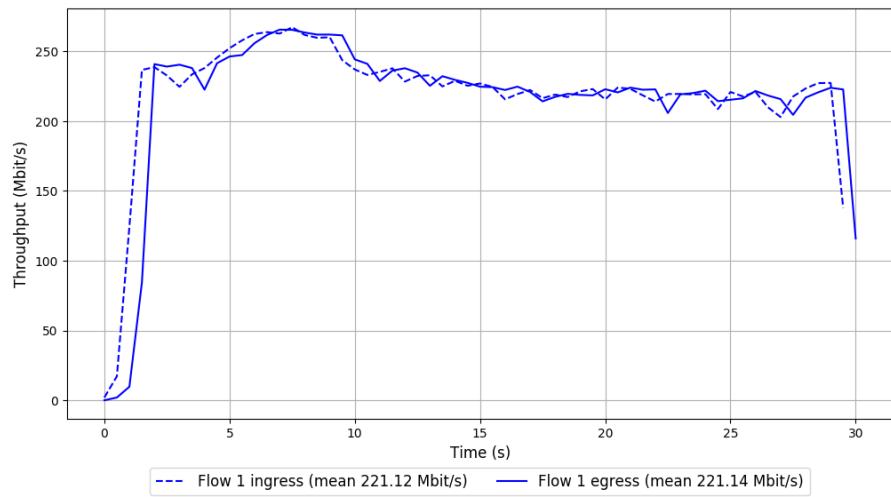


Run 3: Statistics of Indigo

```
Start at: 2019-10-03 06:52:13
End at: 2019-10-03 06:52:44
Local clock offset: -0.032 ms
Remote clock offset: -0.155 ms

# Below is generated by plot.py at 2019-10-03 09:33:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.14 Mbit/s
95th percentile per-packet one-way delay: 65.416 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 221.14 Mbit/s
95th percentile per-packet one-way delay: 65.416 ms
Loss rate: 0.42%
```

Run 3: Report of Indigo — Data Link

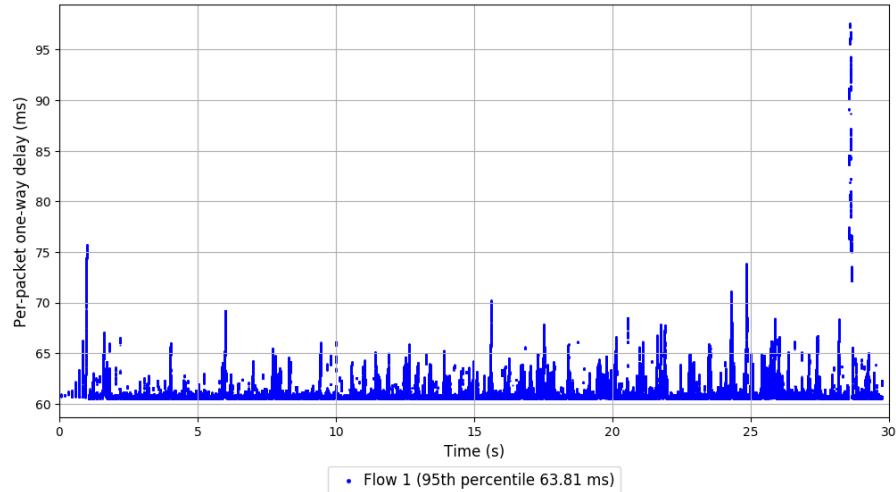
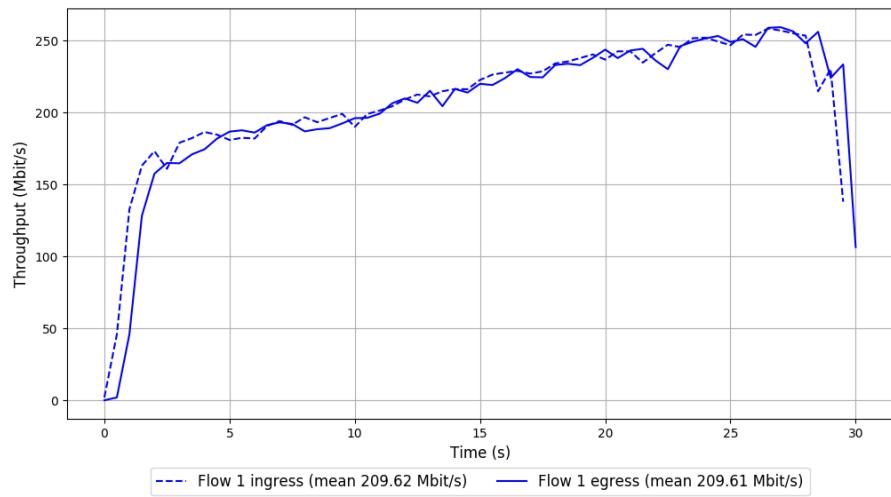


Run 4: Statistics of Indigo

```
Start at: 2019-10-03 07:27:07
End at: 2019-10-03 07:27:37
Local clock offset: -0.041 ms
Remote clock offset: -0.939 ms

# Below is generated by plot.py at 2019-10-03 09:33:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 209.61 Mbit/s
95th percentile per-packet one-way delay: 63.811 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 209.61 Mbit/s
95th percentile per-packet one-way delay: 63.811 ms
Loss rate: 0.42%
```

Run 4: Report of Indigo — Data Link

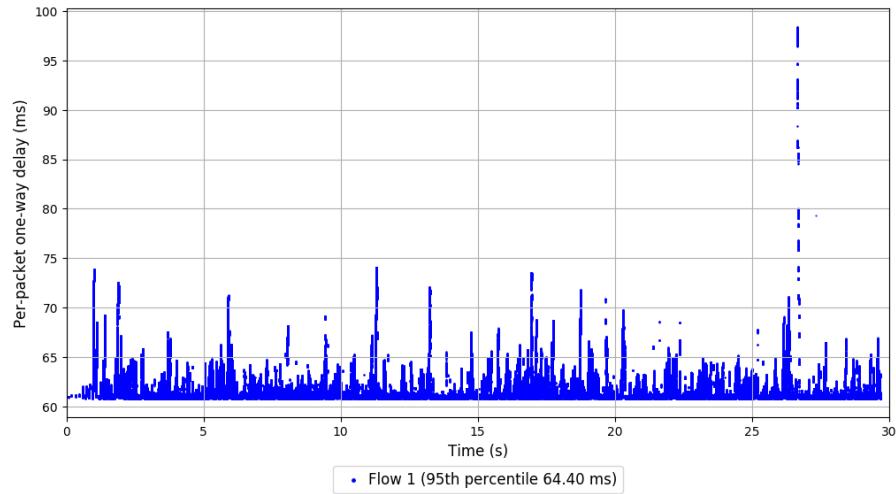
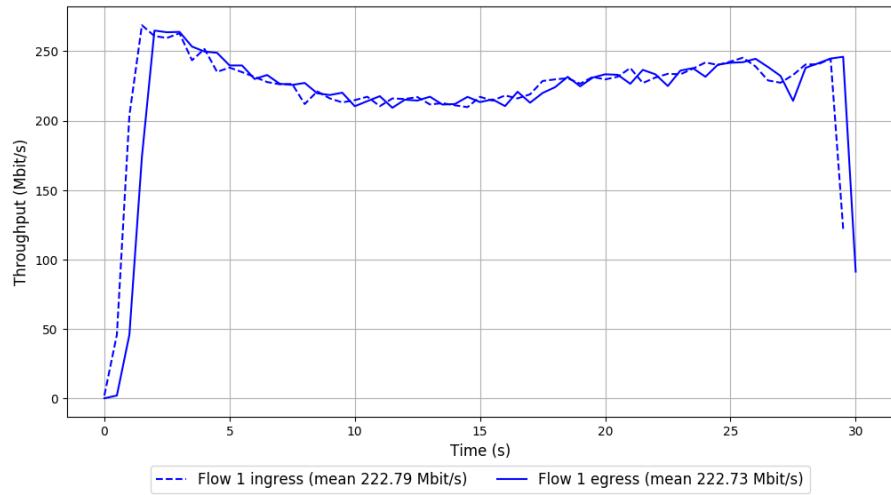


Run 5: Statistics of Indigo

```
Start at: 2019-10-03 08:01:53
End at: 2019-10-03 08:02:23
Local clock offset: -0.039 ms
Remote clock offset: -0.964 ms

# Below is generated by plot.py at 2019-10-03 09:33:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.73 Mbit/s
95th percentile per-packet one-way delay: 64.396 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 222.73 Mbit/s
95th percentile per-packet one-way delay: 64.396 ms
Loss rate: 0.44%
```

Run 5: Report of Indigo — Data Link

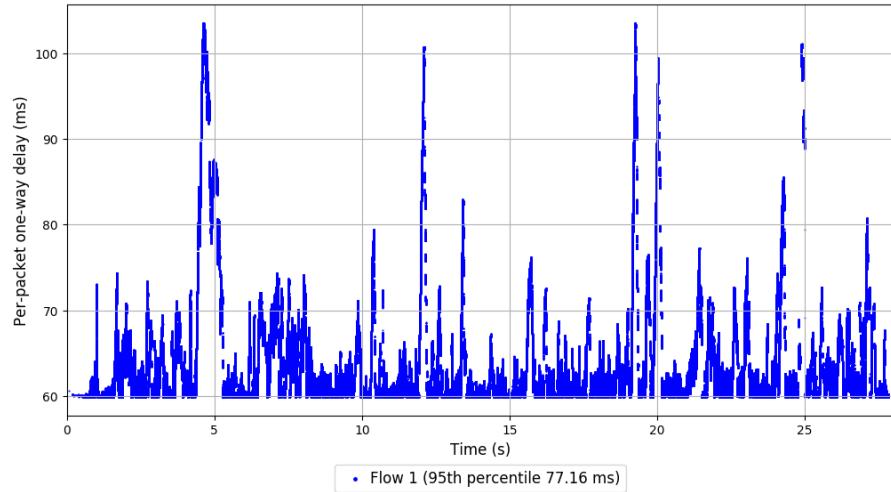
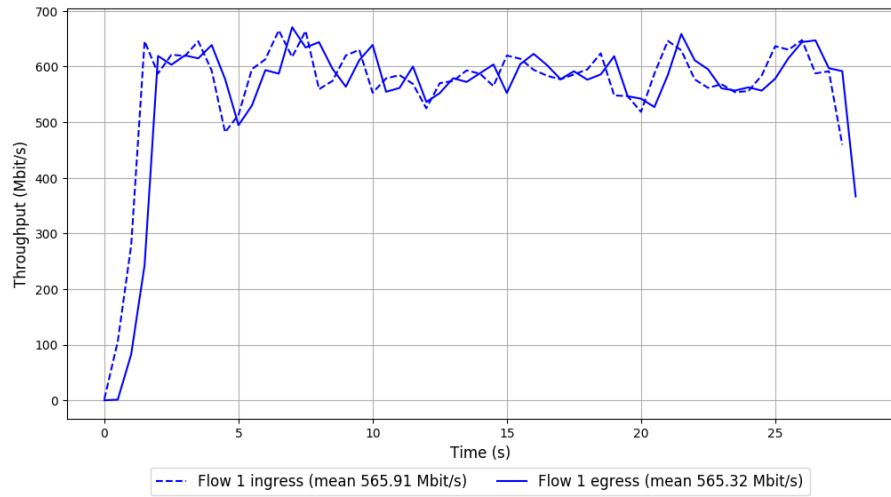


```
Run 1: Statistics of Indigo-MusesC3
```

```
Start at: 2019-10-03 05:52:06
End at: 2019-10-03 05:52:36
Local clock offset: 0.076 ms
Remote clock offset: -0.069 ms

# Below is generated by plot.py at 2019-10-03 09:33:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 565.32 Mbit/s
95th percentile per-packet one-way delay: 77.162 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 565.32 Mbit/s
95th percentile per-packet one-way delay: 77.162 ms
Loss rate: 0.53%
```

Run 1: Report of Indigo-MusesC3 — Data Link

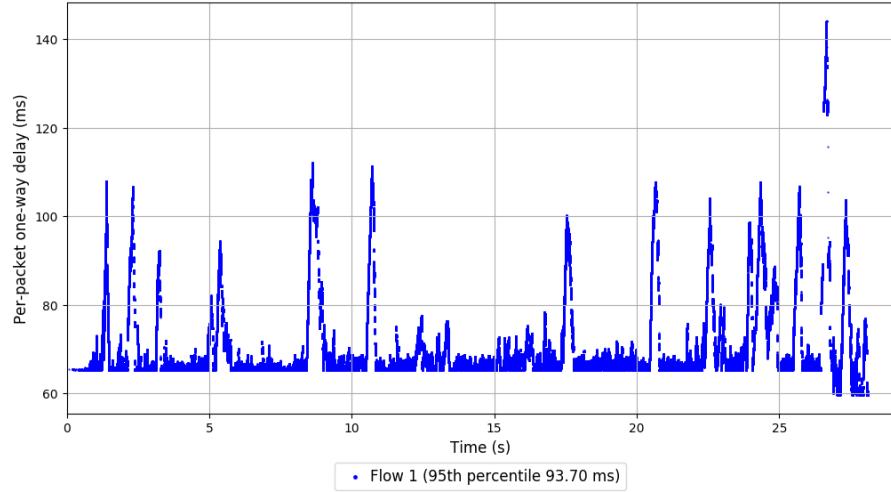
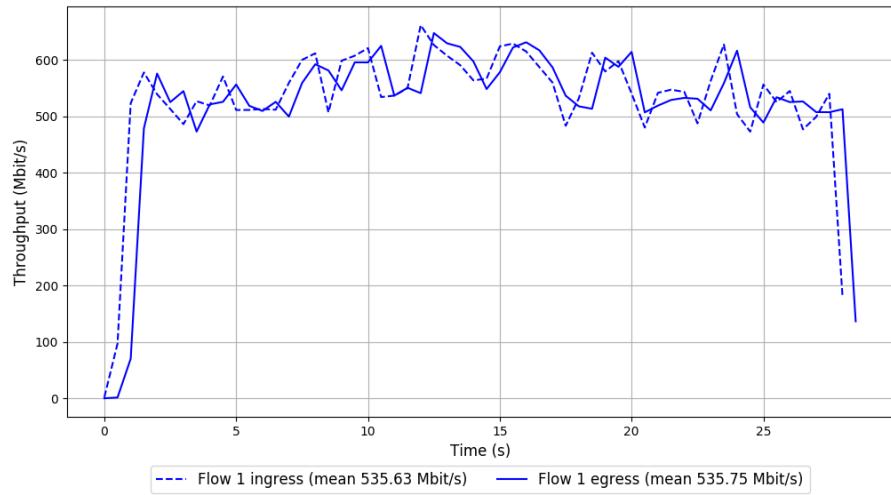


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-10-03 06:26:35
End at: 2019-10-03 06:27:05
Local clock offset: -0.119 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2019-10-03 09:33:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 535.75 Mbit/s
95th percentile per-packet one-way delay: 93.703 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 535.75 Mbit/s
95th percentile per-packet one-way delay: 93.703 ms
Loss rate: 0.44%
```

Run 2: Report of Indigo-MusesC3 — Data Link

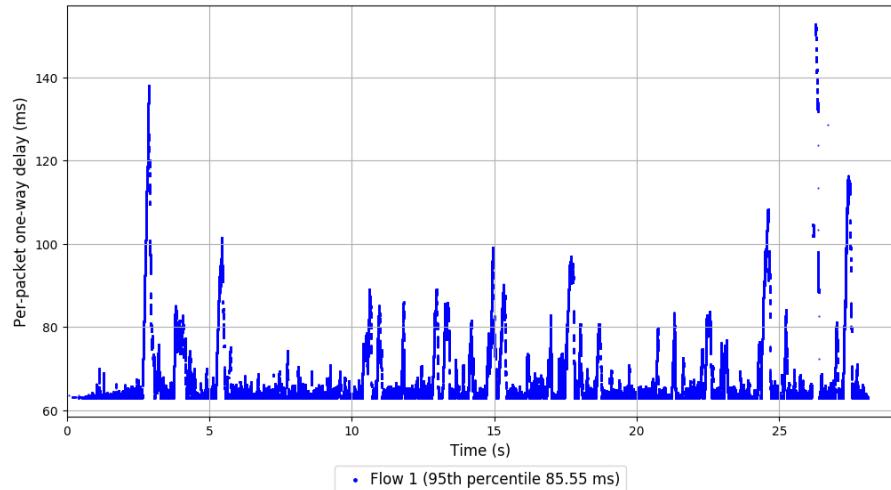
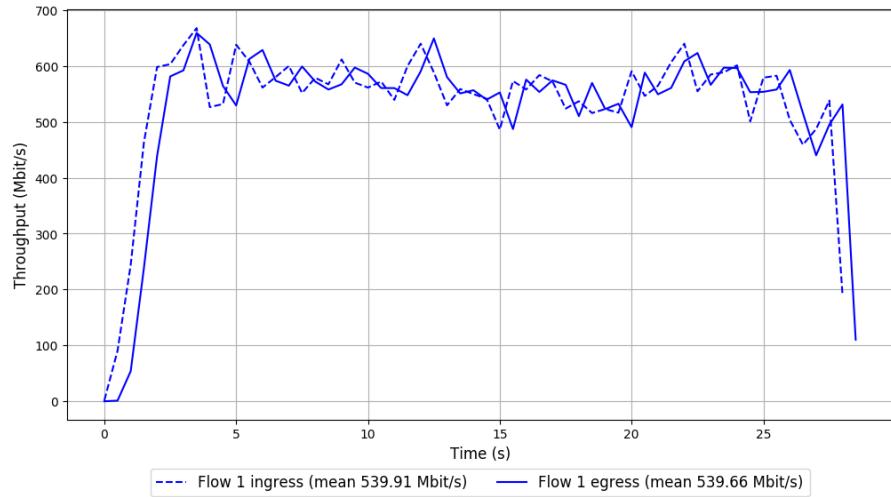


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-10-03 07:01:39
End at: 2019-10-03 07:02:09
Local clock offset: -0.034 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2019-10-03 09:33:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 539.66 Mbit/s
95th percentile per-packet one-way delay: 85.554 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 539.66 Mbit/s
95th percentile per-packet one-way delay: 85.554 ms
Loss rate: 0.51%
```

Run 3: Report of Indigo-MusesC3 — Data Link

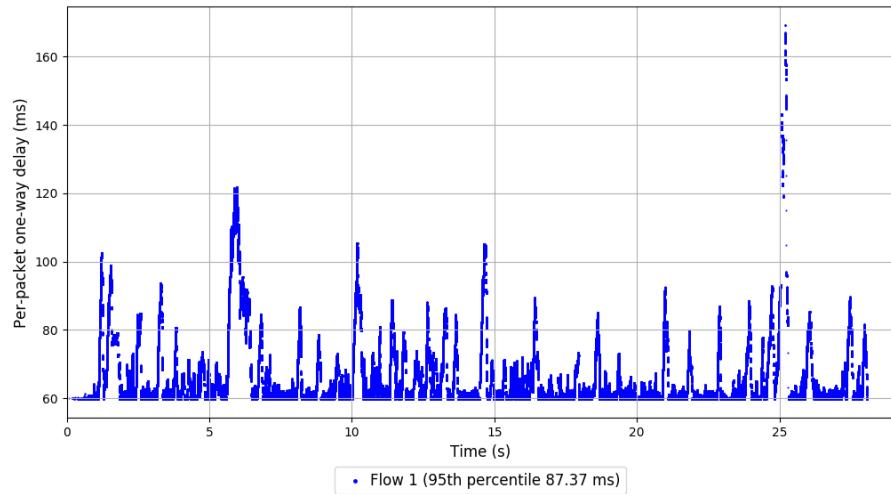
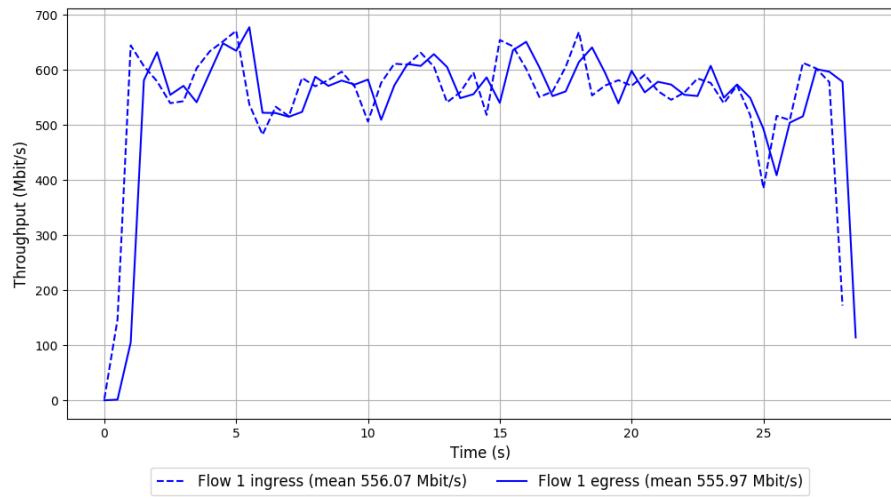


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-10-03 07:36:20
End at: 2019-10-03 07:36:50
Local clock offset: -0.04 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2019-10-03 09:34:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 555.97 Mbit/s
95th percentile per-packet one-way delay: 87.371 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 555.97 Mbit/s
95th percentile per-packet one-way delay: 87.371 ms
Loss rate: 0.47%
```

Run 4: Report of Indigo-MusesC3 — Data Link

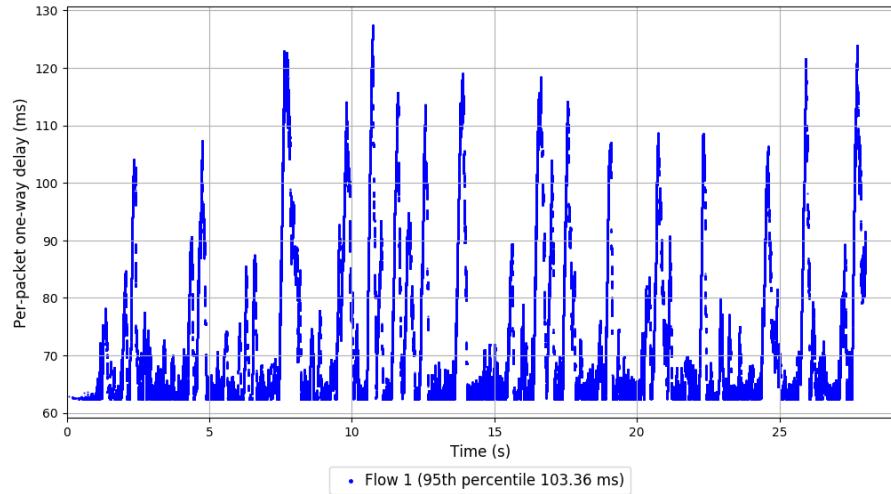
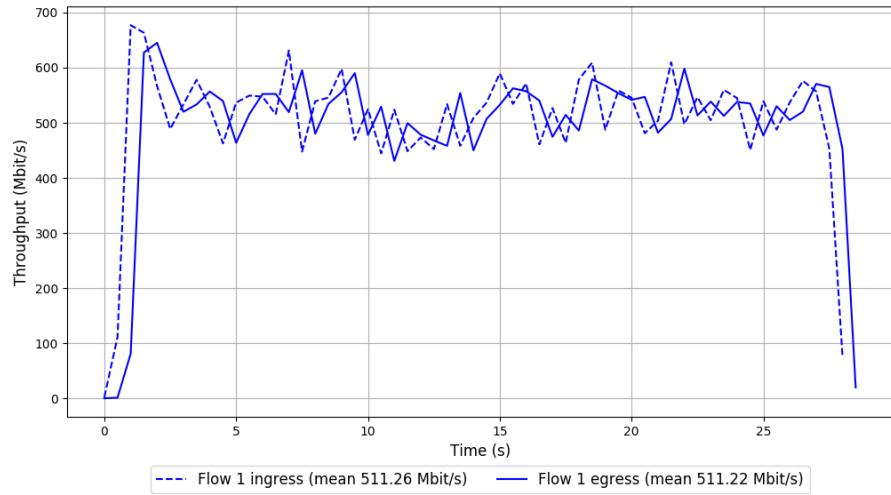


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-10-03 08:10:51
End at: 2019-10-03 08:11:21
Local clock offset: -0.051 ms
Remote clock offset: -0.332 ms

# Below is generated by plot.py at 2019-10-03 09:34:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 511.22 Mbit/s
95th percentile per-packet one-way delay: 103.359 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 511.22 Mbit/s
95th percentile per-packet one-way delay: 103.359 ms
Loss rate: 0.46%
```

Run 5: Report of Indigo-MusesC3 — Data Link

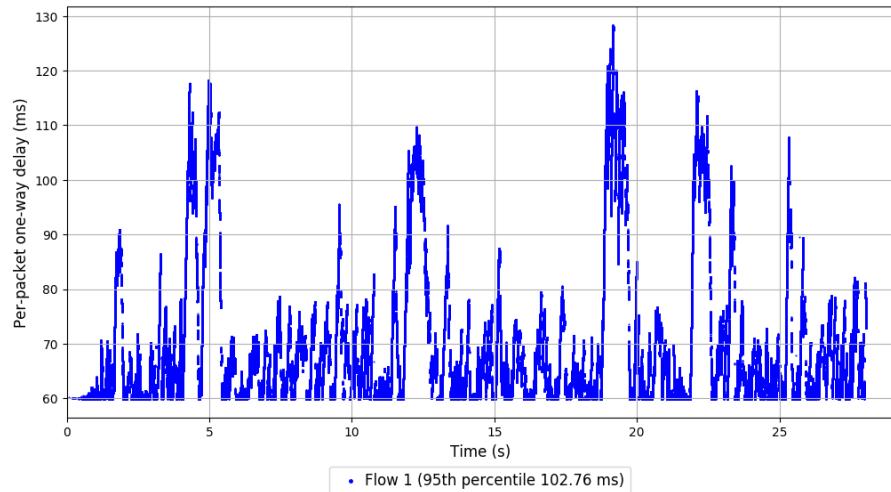
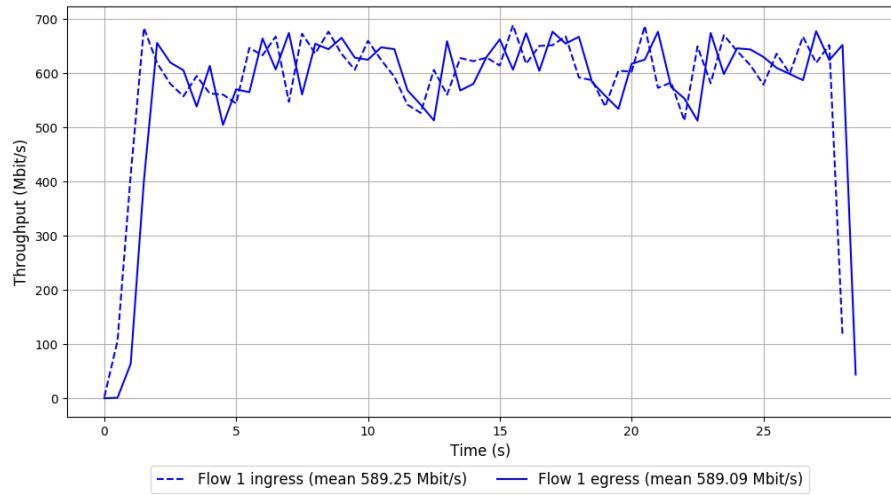


```
Run 1: Statistics of Indigo-MusesC5
```

```
Start at: 2019-10-03 05:55:14
End at: 2019-10-03 05:55:44
Local clock offset: 0.048 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2019-10-03 09:35:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 589.09 Mbit/s
95th percentile per-packet one-way delay: 102.757 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 589.09 Mbit/s
95th percentile per-packet one-way delay: 102.757 ms
Loss rate: 0.46%
```

Run 1: Report of Indigo-MusesC5 — Data Link

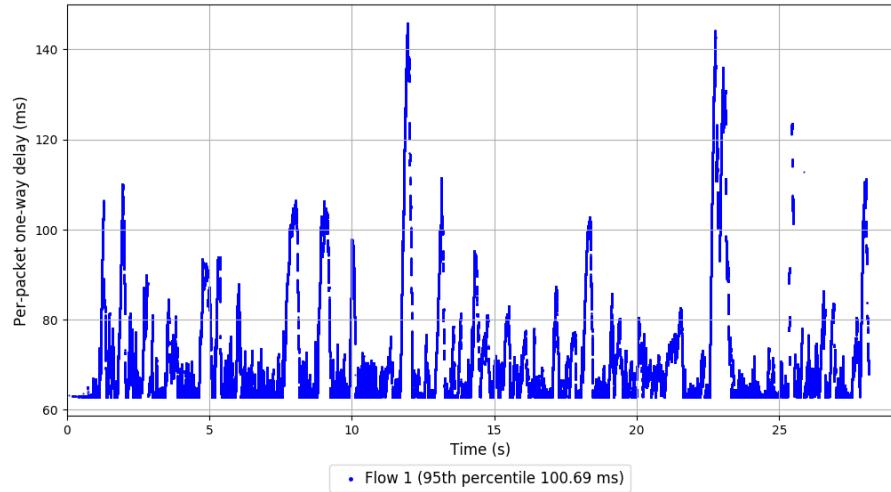
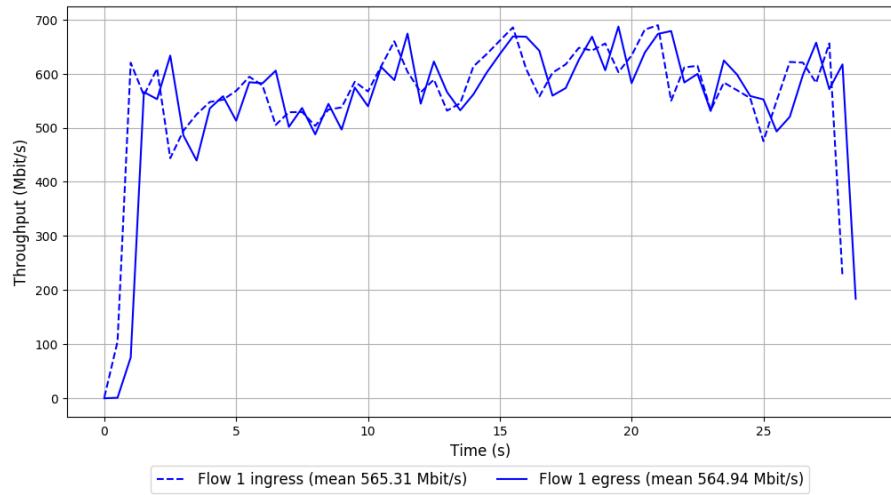


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-10-03 06:29:43
End at: 2019-10-03 06:30:13
Local clock offset: -0.103 ms
Remote clock offset: -0.097 ms

# Below is generated by plot.py at 2019-10-03 09:35:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 564.94 Mbit/s
95th percentile per-packet one-way delay: 100.688 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 564.94 Mbit/s
95th percentile per-packet one-way delay: 100.688 ms
Loss rate: 0.52%
```

Run 2: Report of Indigo-MusesC5 — Data Link

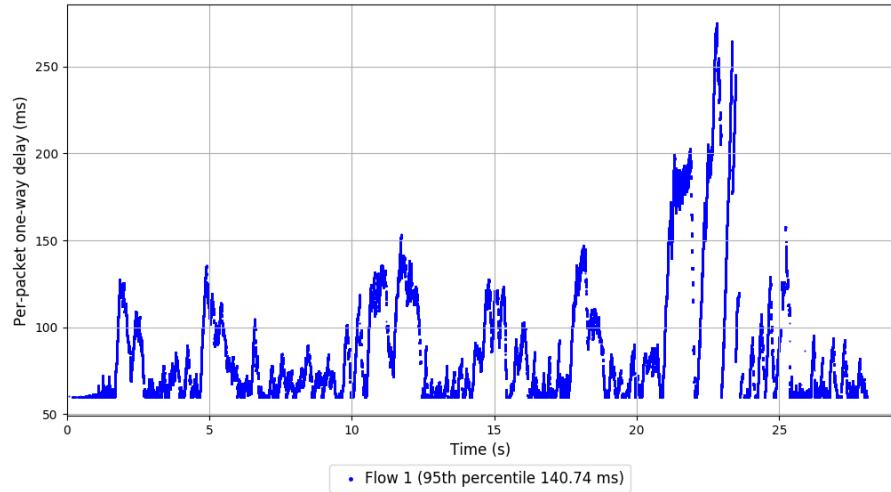
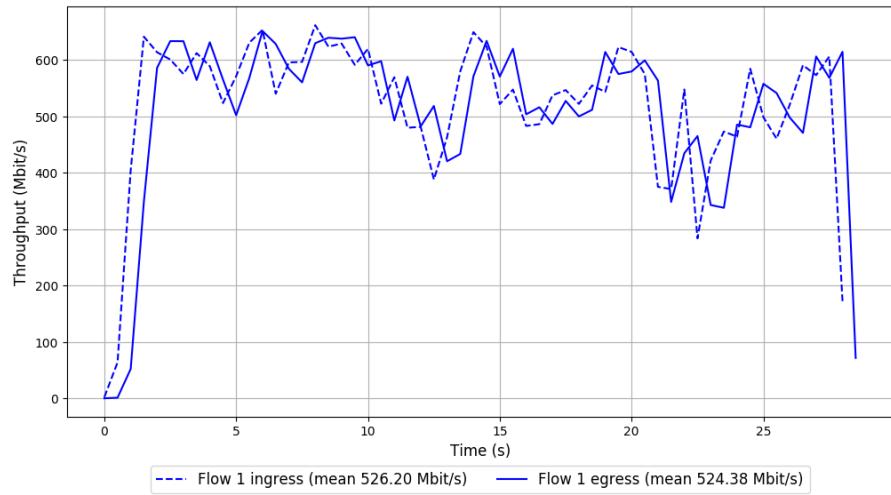


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-10-03 07:04:42
End at: 2019-10-03 07:05:12
Local clock offset: -0.079 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2019-10-03 09:37:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 524.38 Mbit/s
95th percentile per-packet one-way delay: 140.744 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 524.38 Mbit/s
95th percentile per-packet one-way delay: 140.744 ms
Loss rate: 0.79%
```

Run 3: Report of Indigo-MusesC5 — Data Link

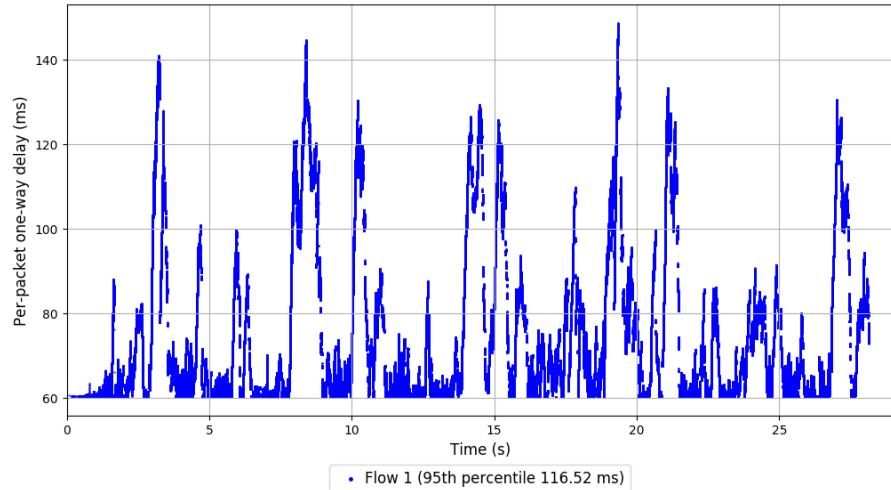
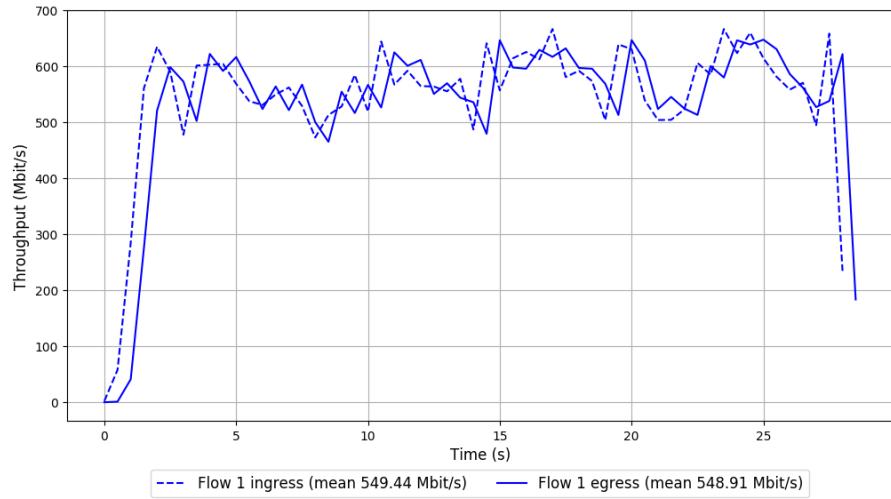


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-10-03 07:39:27
End at: 2019-10-03 07:39:57
Local clock offset: -0.051 ms
Remote clock offset: -0.166 ms

# Below is generated by plot.py at 2019-10-03 09:37:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 548.91 Mbit/s
95th percentile per-packet one-way delay: 116.515 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 548.91 Mbit/s
95th percentile per-packet one-way delay: 116.515 ms
Loss rate: 0.54%
```

Run 4: Report of Indigo-MusesC5 — Data Link

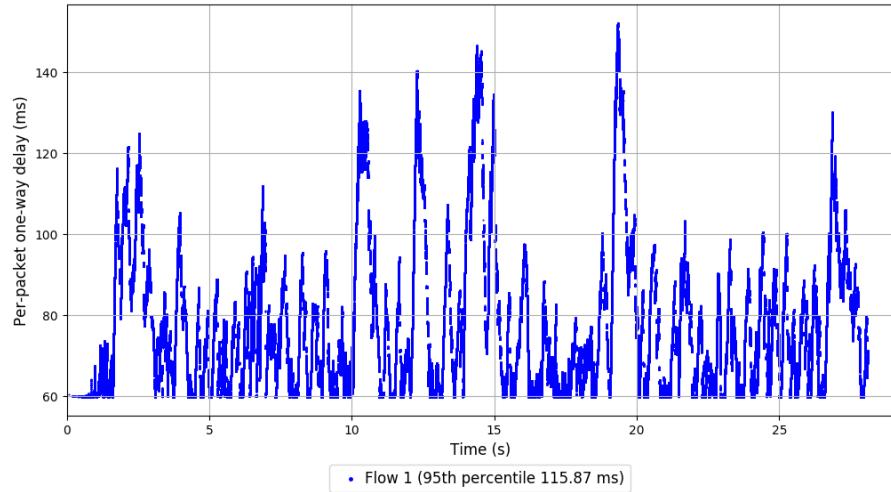
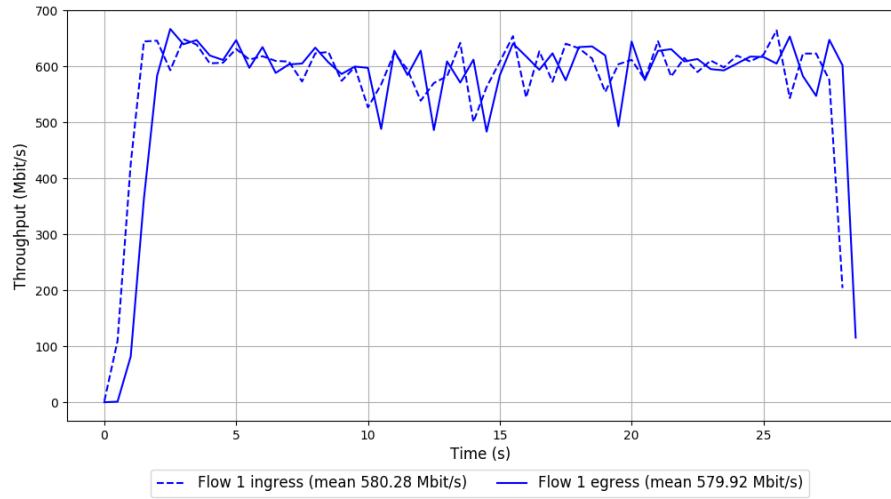


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-10-03 08:13:57
End at: 2019-10-03 08:14:27
Local clock offset: -0.028 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2019-10-03 09:43:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 579.92 Mbit/s
95th percentile per-packet one-way delay: 115.874 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 579.92 Mbit/s
95th percentile per-packet one-way delay: 115.874 ms
Loss rate: 0.51%
```

Run 5: Report of Indigo-MusesC5 — Data Link

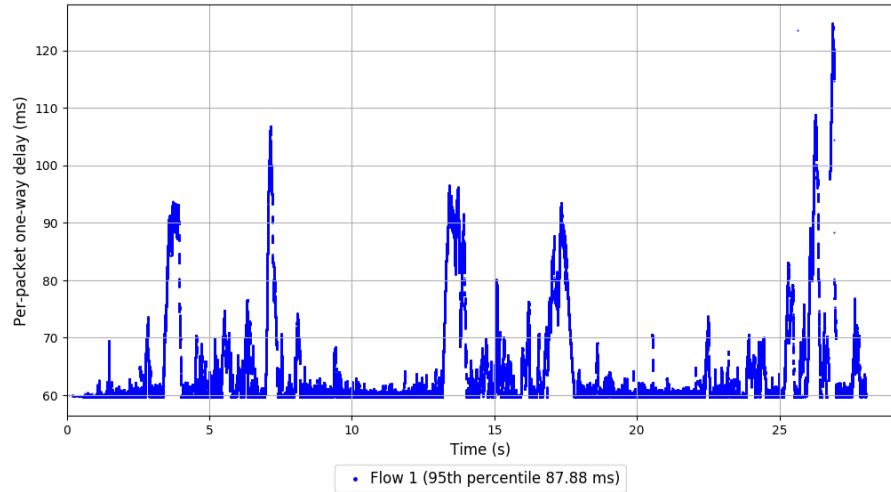
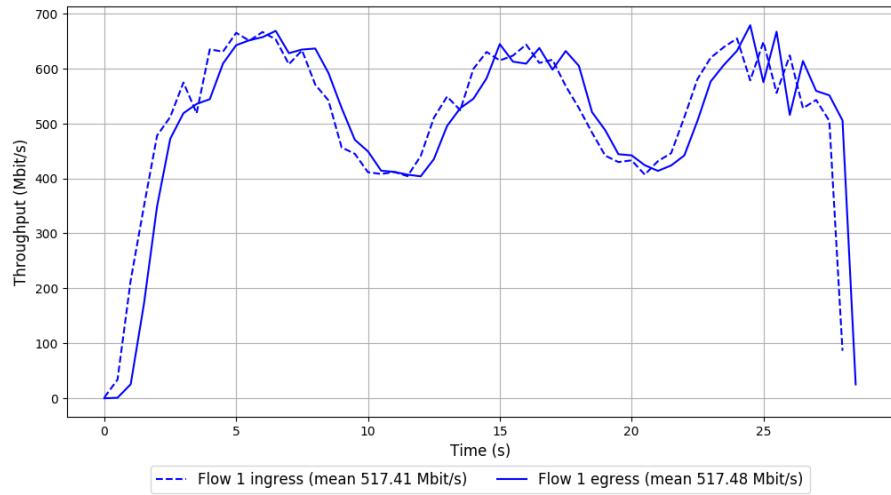


```
Run 1: Statistics of Indigo-MusesD
```

```
Start at: 2019-10-03 06:01:23
End at: 2019-10-03 06:01:53
Local clock offset: 0.012 ms
Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2019-10-03 09:43:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 517.48 Mbit/s
95th percentile per-packet one-way delay: 87.875 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 517.48 Mbit/s
95th percentile per-packet one-way delay: 87.875 ms
Loss rate: 0.42%
```

Run 1: Report of Indigo-MusesD — Data Link

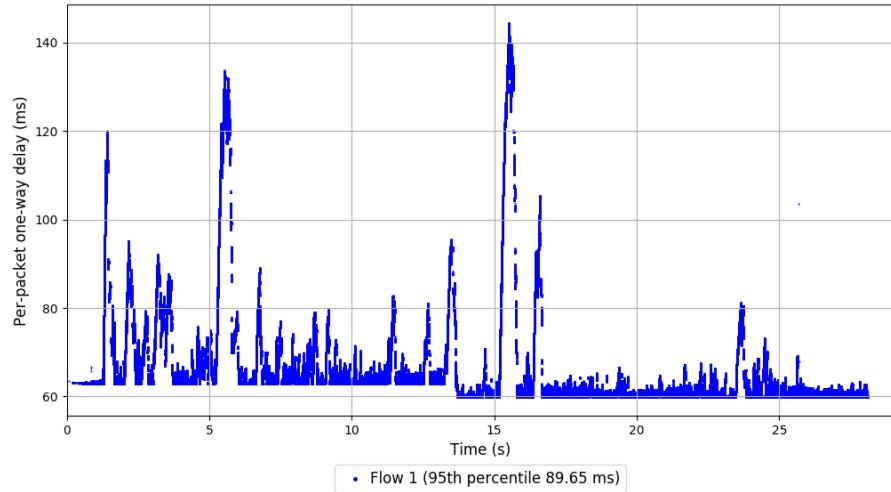
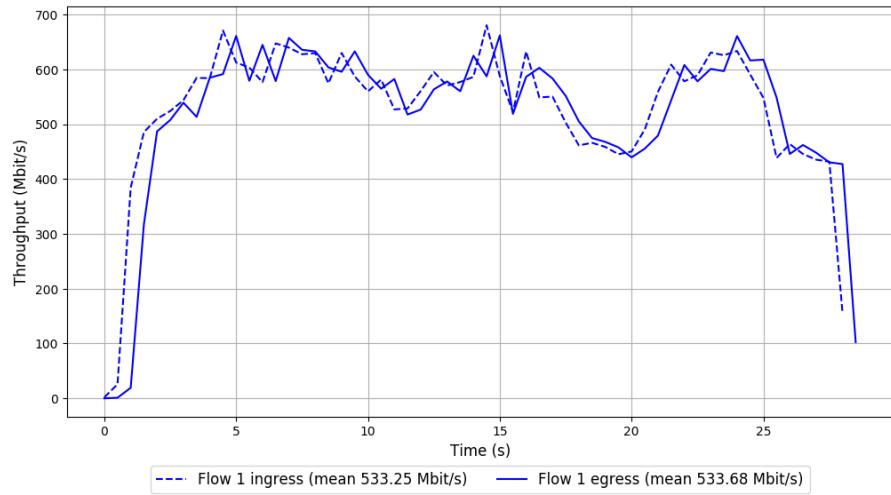


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-10-03 06:35:52
End at: 2019-10-03 06:36:22
Local clock offset: -0.095 ms
Remote clock offset: -0.181 ms

# Below is generated by plot.py at 2019-10-03 09:43:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 533.68 Mbit/s
95th percentile per-packet one-way delay: 89.650 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 533.68 Mbit/s
95th percentile per-packet one-way delay: 89.650 ms
Loss rate: 0.37%
```

Run 2: Report of Indigo-MusesD — Data Link

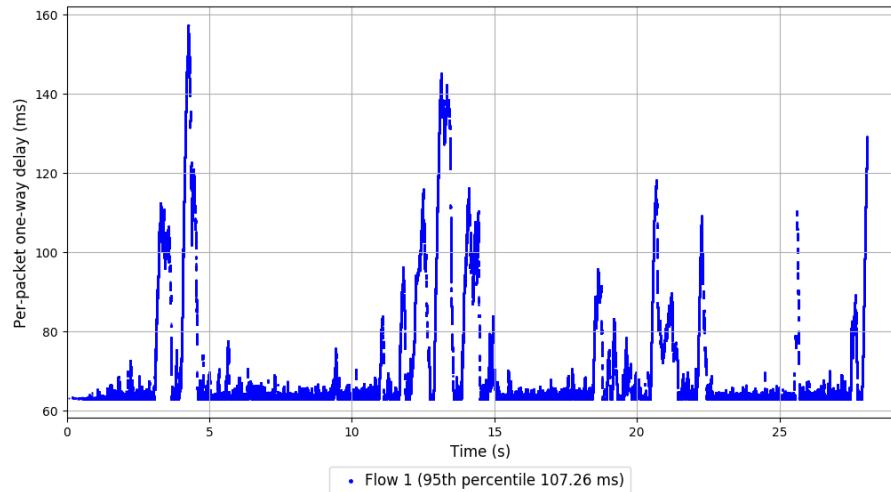
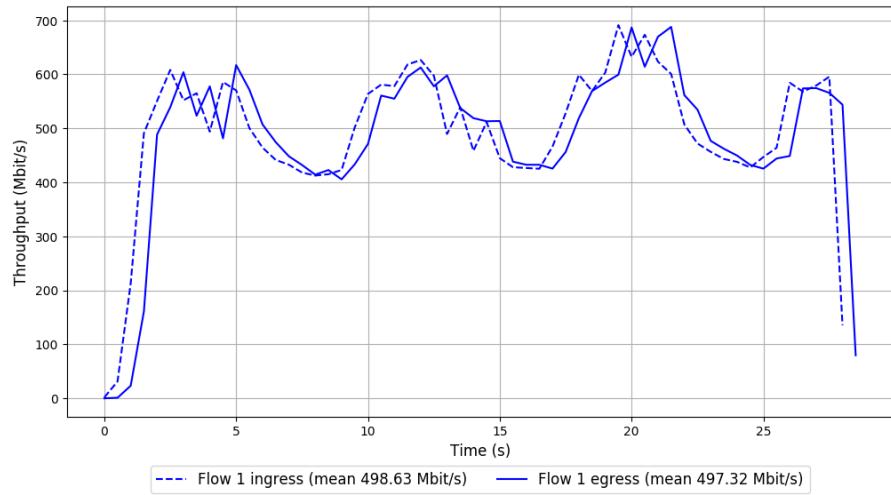


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-10-03 07:10:49
End at: 2019-10-03 07:11:19
Local clock offset: -0.051 ms
Remote clock offset: -0.151 ms

# Below is generated by plot.py at 2019-10-03 09:43:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 497.32 Mbit/s
95th percentile per-packet one-way delay: 107.260 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 497.32 Mbit/s
95th percentile per-packet one-way delay: 107.260 ms
Loss rate: 0.70%
```

Run 3: Report of Indigo-MusesD — Data Link

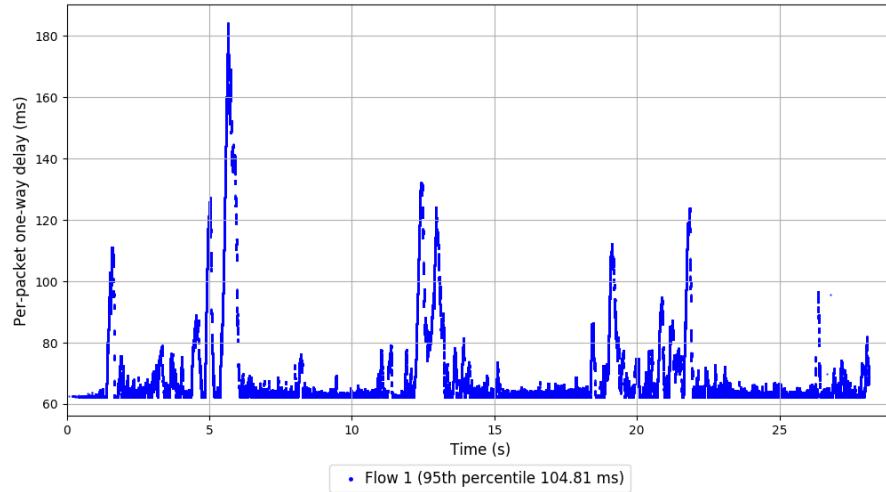
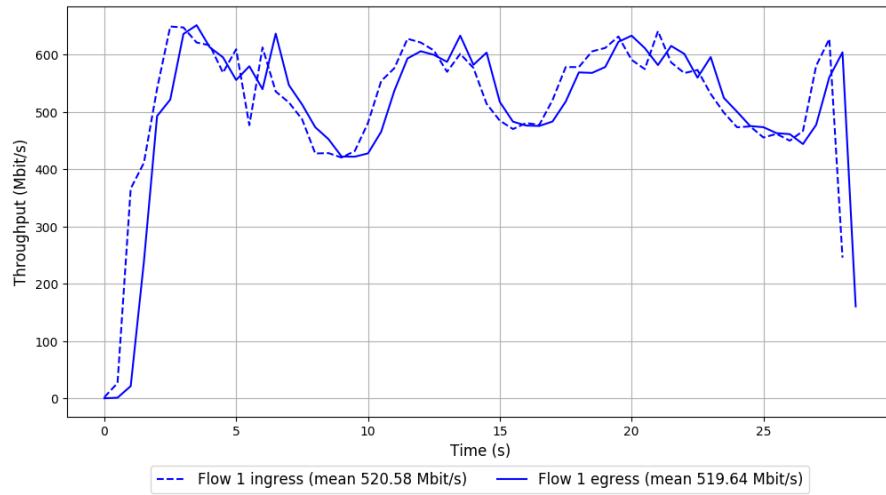


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-10-03 07:45:32
End at: 2019-10-03 07:46:02
Local clock offset: -0.026 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2019-10-03 09:44:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 519.64 Mbit/s
95th percentile per-packet one-way delay: 104.807 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 519.64 Mbit/s
95th percentile per-packet one-way delay: 104.807 ms
Loss rate: 0.62%
```

Run 4: Report of Indigo-MusesD — Data Link

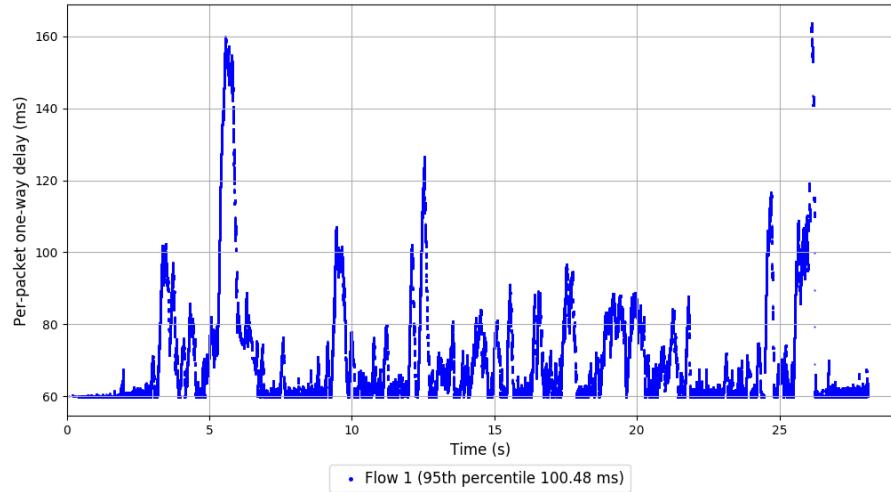
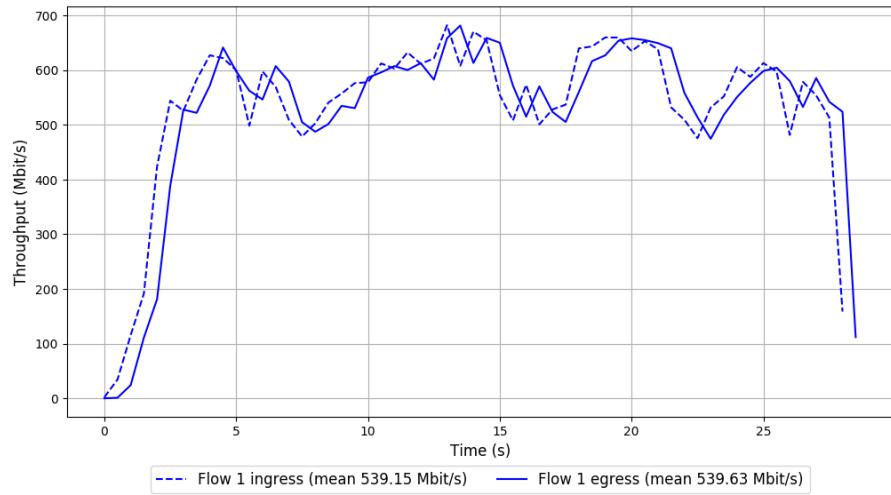


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-10-03 08:20:08
End at: 2019-10-03 08:20:38
Local clock offset: -0.054 ms
Remote clock offset: -0.092 ms

# Below is generated by plot.py at 2019-10-03 09:45:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 539.63 Mbit/s
95th percentile per-packet one-way delay: 100.482 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 539.63 Mbit/s
95th percentile per-packet one-way delay: 100.482 ms
Loss rate: 0.35%
```

Run 5: Report of Indigo-MusesD — Data Link

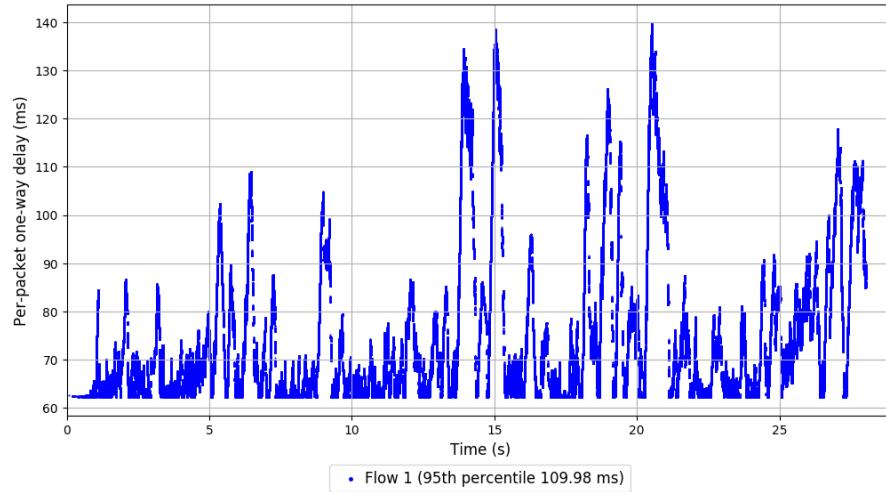
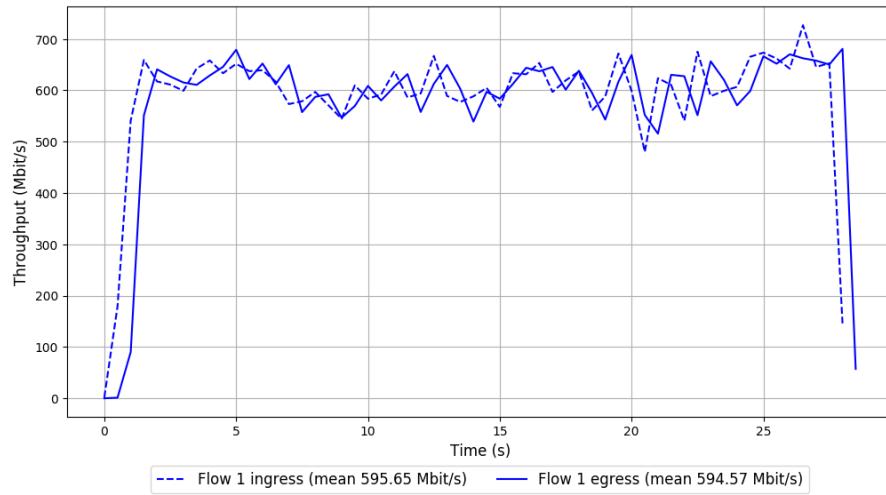


```
Run 1: Statistics of Indigo-MusesT
```

```
Start at: 2019-10-03 05:59:48
End at: 2019-10-03 06:00:18
Local clock offset: 0.038 ms
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2019-10-03 09:47:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 594.57 Mbit/s
95th percentile per-packet one-way delay: 109.985 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 594.57 Mbit/s
95th percentile per-packet one-way delay: 109.985 ms
Loss rate: 0.62%
```

Run 1: Report of Indigo-MusesT — Data Link

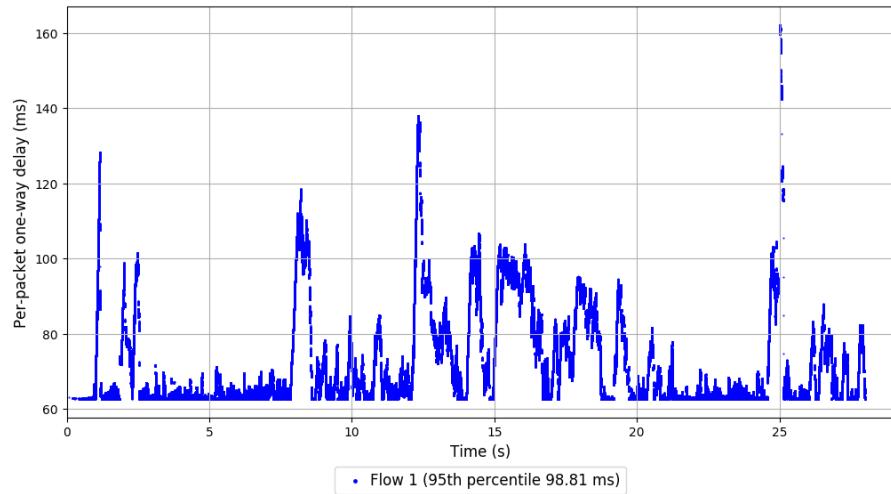
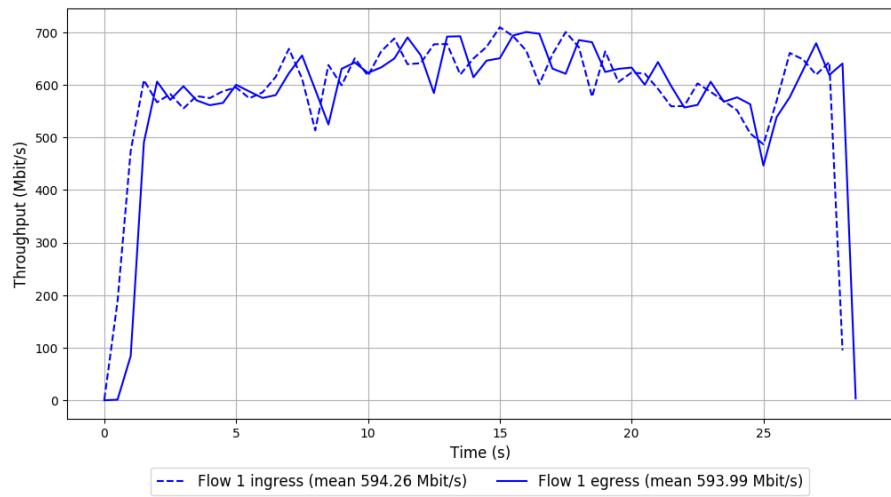


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-10-03 06:34:18
End at: 2019-10-03 06:34:48
Local clock offset: -0.096 ms
Remote clock offset: -0.615 ms

# Below is generated by plot.py at 2019-10-03 09:48:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 593.99 Mbit/s
95th percentile per-packet one-way delay: 98.814 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 593.99 Mbit/s
95th percentile per-packet one-way delay: 98.814 ms
Loss rate: 0.50%
```

Run 2: Report of Indigo-MusesT — Data Link

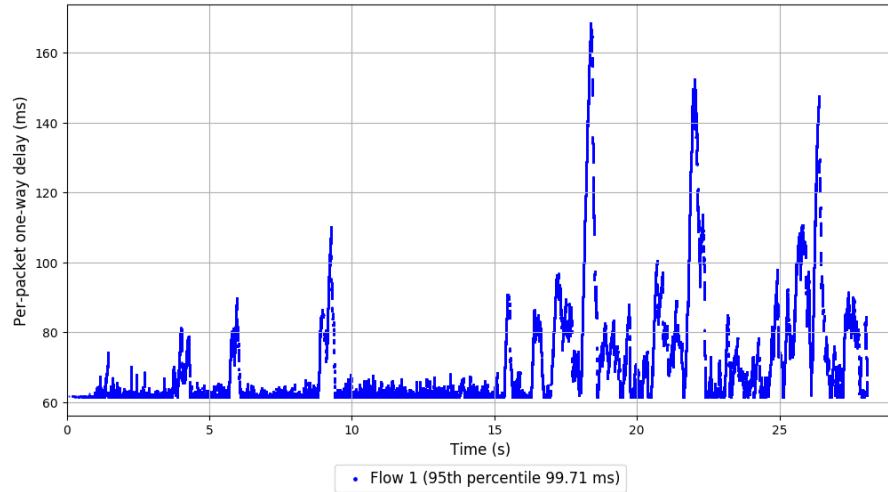
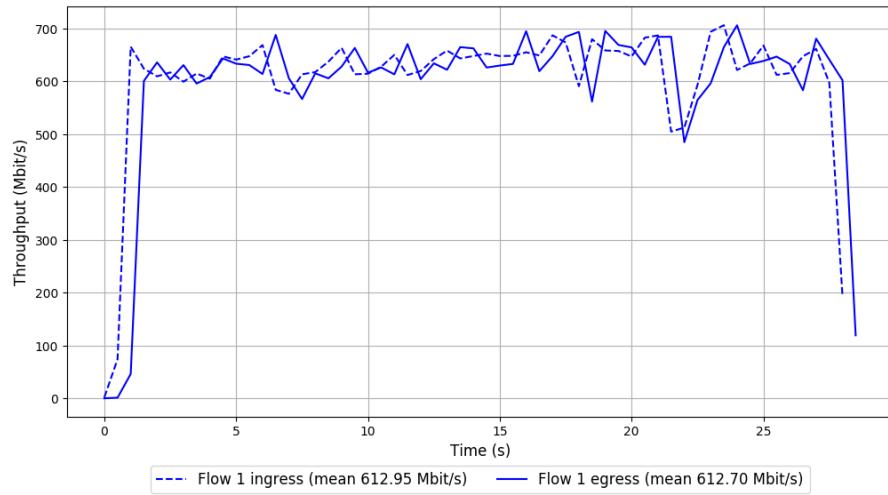


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-10-03 07:09:14
End at: 2019-10-03 07:09:44
Local clock offset: -0.086 ms
Remote clock offset: 0.667 ms

# Below is generated by plot.py at 2019-10-03 09:53:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 612.70 Mbit/s
95th percentile per-packet one-way delay: 99.707 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 612.70 Mbit/s
95th percentile per-packet one-way delay: 99.707 ms
Loss rate: 0.50%
```

Run 3: Report of Indigo-MusesT — Data Link

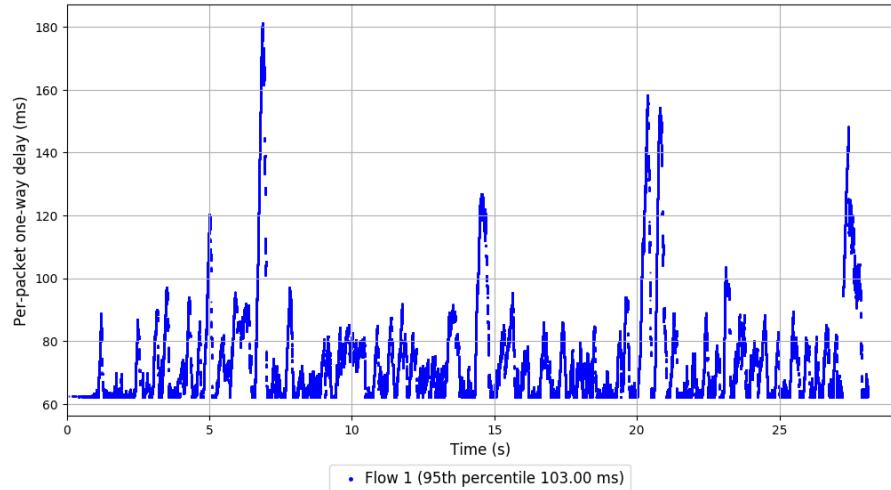
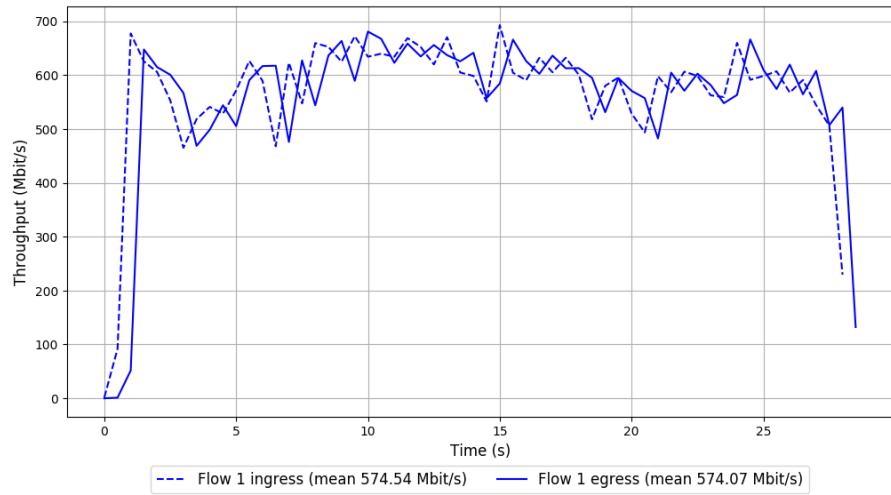


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-10-03 07:43:58
End at: 2019-10-03 07:44:28
Local clock offset: -0.064 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2019-10-03 09:53:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 574.07 Mbit/s
95th percentile per-packet one-way delay: 102.995 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 574.07 Mbit/s
95th percentile per-packet one-way delay: 102.995 ms
Loss rate: 0.53%
```

Run 4: Report of Indigo-MusesT — Data Link

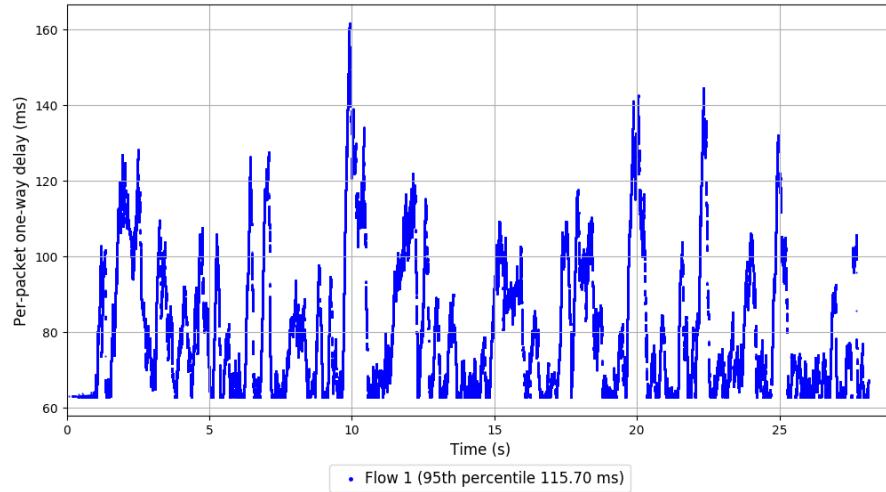
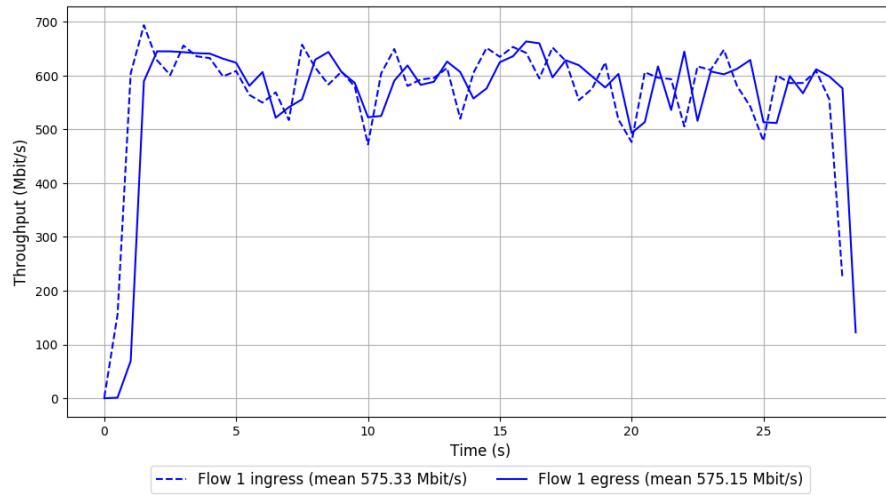


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-10-03 08:18:34
End at: 2019-10-03 08:19:04
Local clock offset: -0.014 ms
Remote clock offset: -0.083 ms

# Below is generated by plot.py at 2019-10-03 09:53:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 575.15 Mbit/s
95th percentile per-packet one-way delay: 115.696 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 575.15 Mbit/s
95th percentile per-packet one-way delay: 115.696 ms
Loss rate: 0.48%
```

Run 5: Report of Indigo-MusesT — Data Link

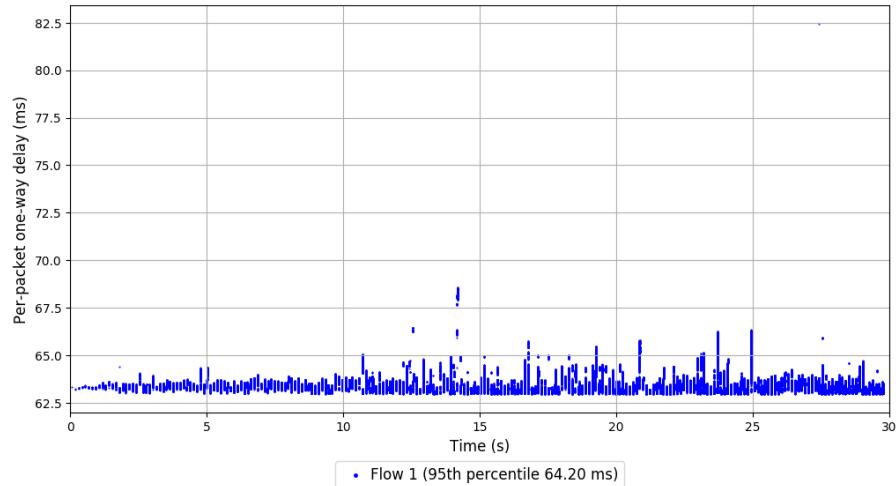
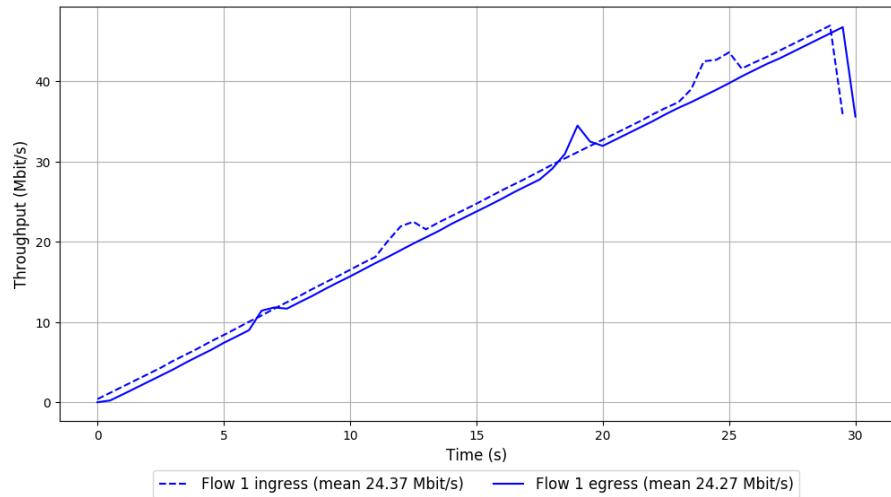


Run 1: Statistics of LEDBAT

```
Start at: 2019-10-03 05:49:20
End at: 2019-10-03 05:49:50
Local clock offset: 0.07 ms
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2019-10-03 09:53:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 64.203 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 64.203 ms
Loss rate: 0.82%
```

Run 1: Report of LEDBAT — Data Link

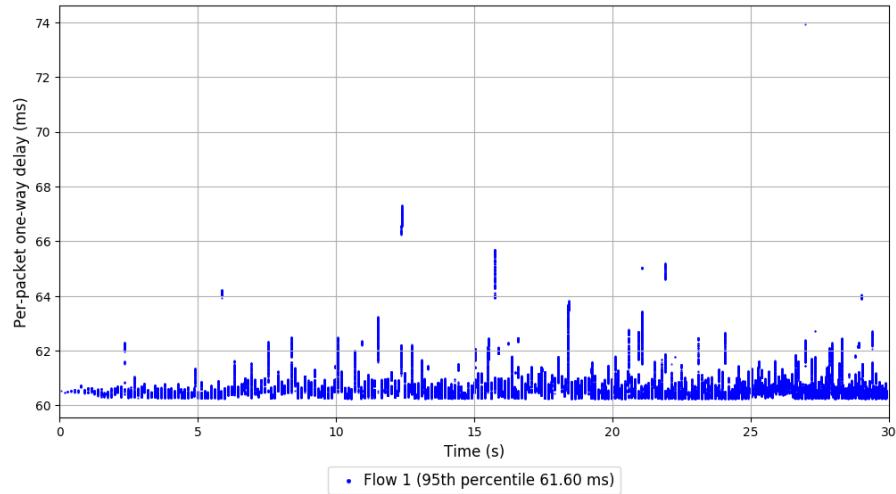
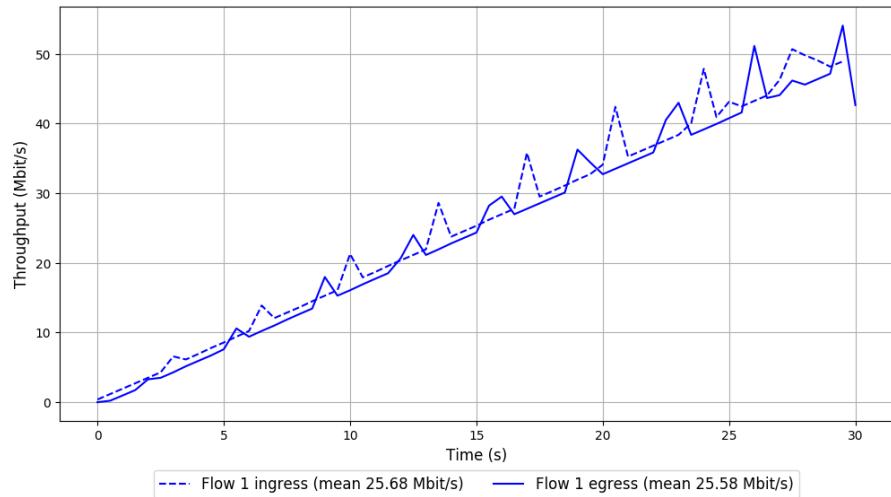


Run 2: Statistics of LEDBAT

```
Start at: 2019-10-03 06:23:50
End at: 2019-10-03 06:24:20
Local clock offset: -0.085 ms
Remote clock offset: -0.539 ms

# Below is generated by plot.py at 2019-10-03 09:53:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.58 Mbit/s
95th percentile per-packet one-way delay: 61.597 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 25.58 Mbit/s
95th percentile per-packet one-way delay: 61.597 ms
Loss rate: 0.80%
```

Run 2: Report of LEDBAT — Data Link

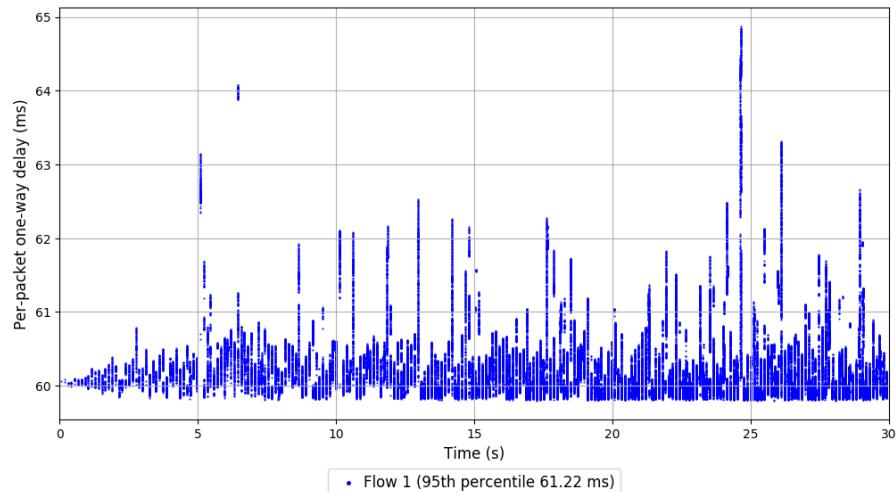
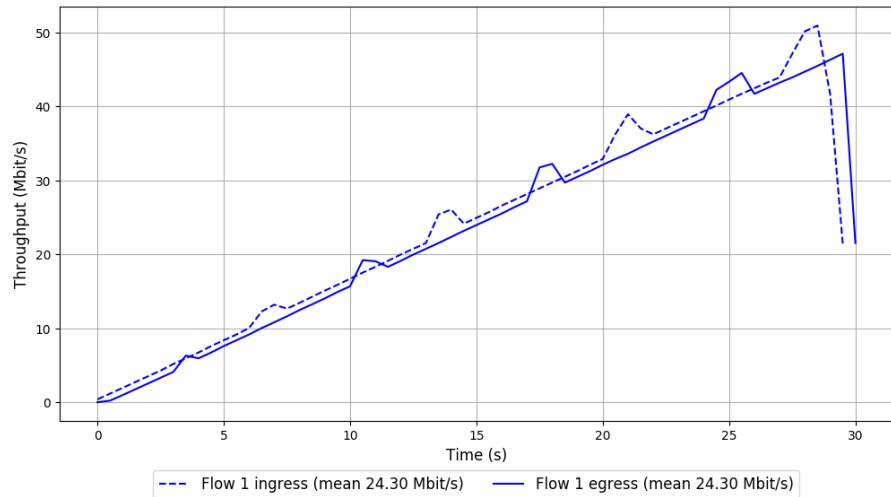


Run 3: Statistics of LEDBAT

```
Start at: 2019-10-03 06:58:54
End at: 2019-10-03 06:59:24
Local clock offset: -0.057 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2019-10-03 09:53:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 61.217 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 24.30 Mbit/s
95th percentile per-packet one-way delay: 61.217 ms
Loss rate: 0.42%
```

Run 3: Report of LEDBAT — Data Link

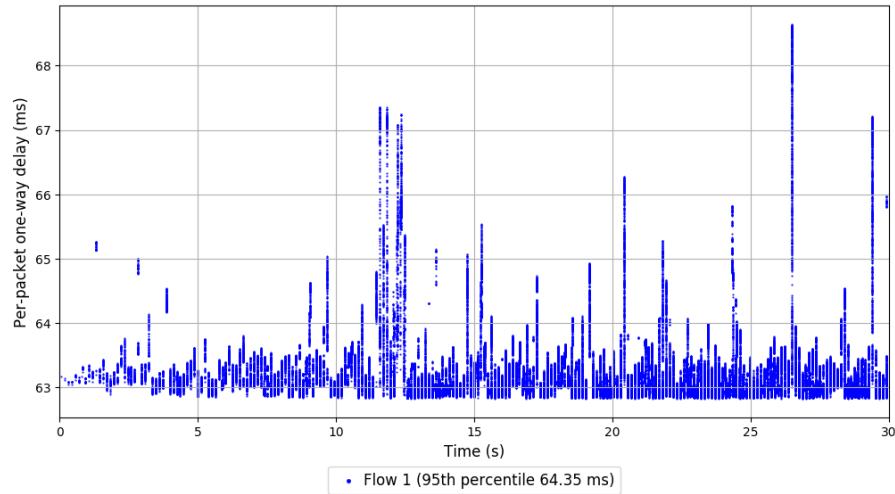
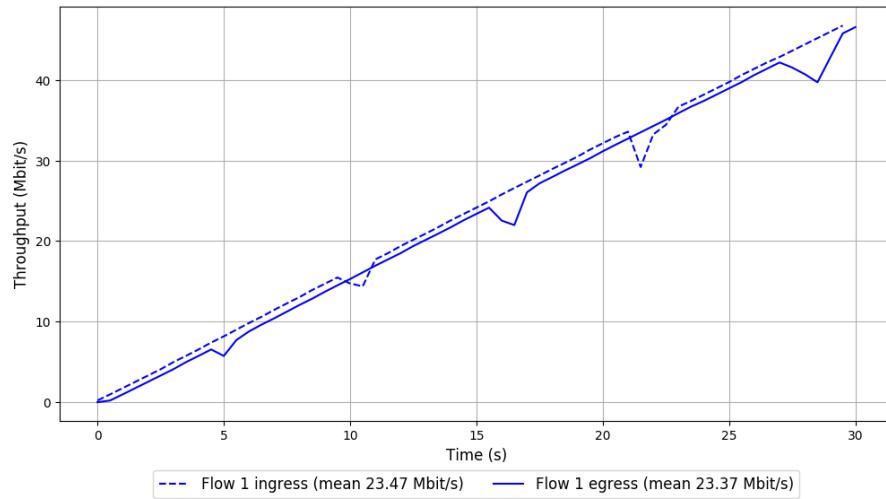


Run 4: Statistics of LEDBAT

```
Start at: 2019-10-03 07:33:35
End at: 2019-10-03 07:34:05
Local clock offset: -0.034 ms
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2019-10-03 09:53:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.37 Mbit/s
95th percentile per-packet one-way delay: 64.349 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 23.37 Mbit/s
95th percentile per-packet one-way delay: 64.349 ms
Loss rate: 0.84%
```

Run 4: Report of LEDBAT — Data Link

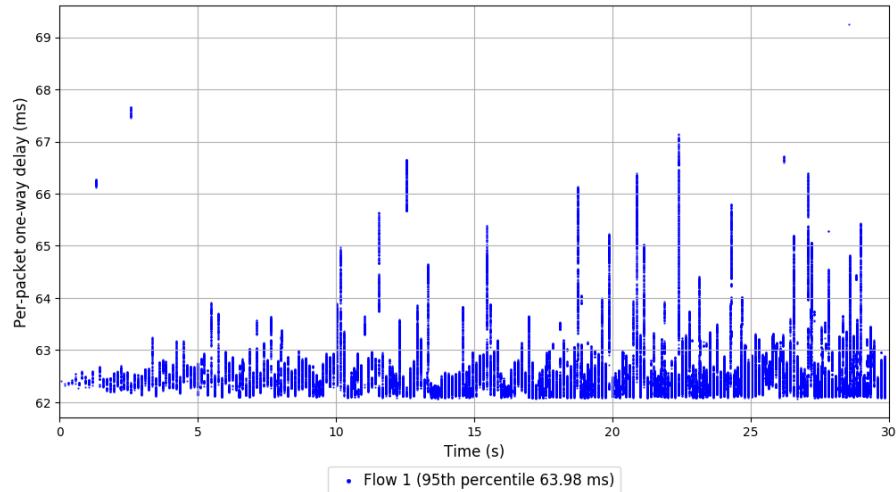
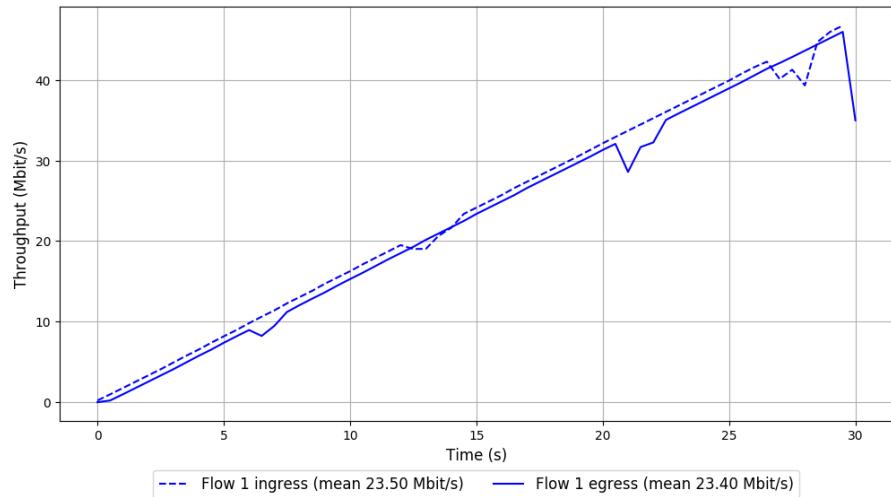


Run 5: Statistics of LEDBAT

```
Start at: 2019-10-03 08:08:04
End at: 2019-10-03 08:08:34
Local clock offset: -0.035 ms
Remote clock offset: -0.117 ms

# Below is generated by plot.py at 2019-10-03 09:53:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.40 Mbit/s
95th percentile per-packet one-way delay: 63.980 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 23.40 Mbit/s
95th percentile per-packet one-way delay: 63.980 ms
Loss rate: 0.84%
```

Run 5: Report of LEDBAT — Data Link

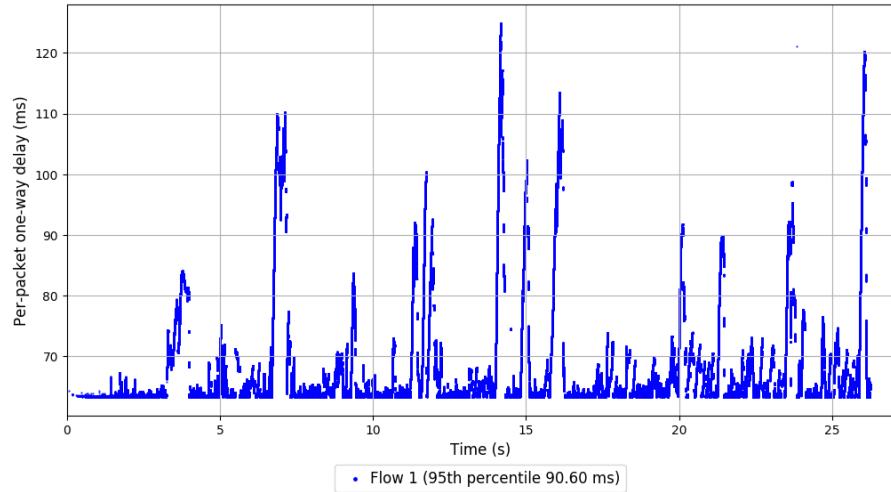
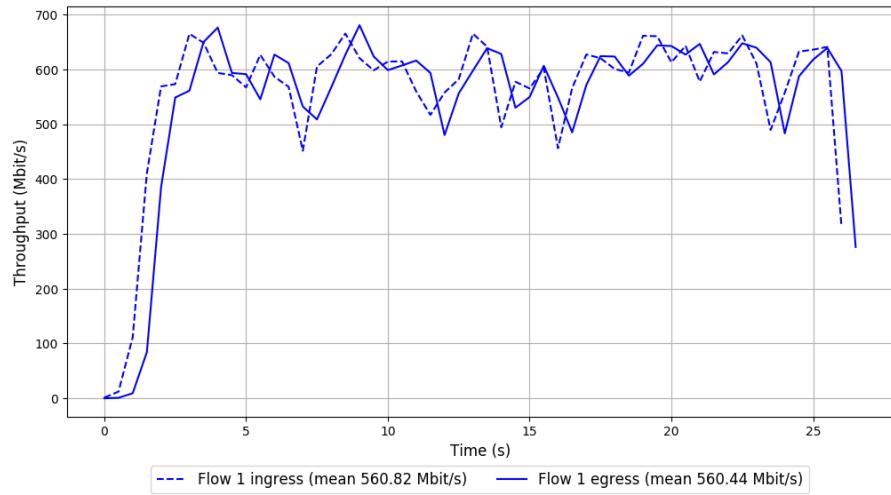


```
Run 1: Statistics of Muses\_DecisionTree

Start at: 2019-10-03 05:34:03
End at: 2019-10-03 05:34:33
Local clock offset: 0.022 ms
Remote clock offset: -0.223 ms

# Below is generated by plot.py at 2019-10-03 09:55:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 560.44 Mbit/s
95th percentile per-packet one-way delay: 90.603 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 560.44 Mbit/s
95th percentile per-packet one-way delay: 90.603 ms
Loss rate: 0.56%
```

Run 1: Report of Muses_DecisionTree — Data Link

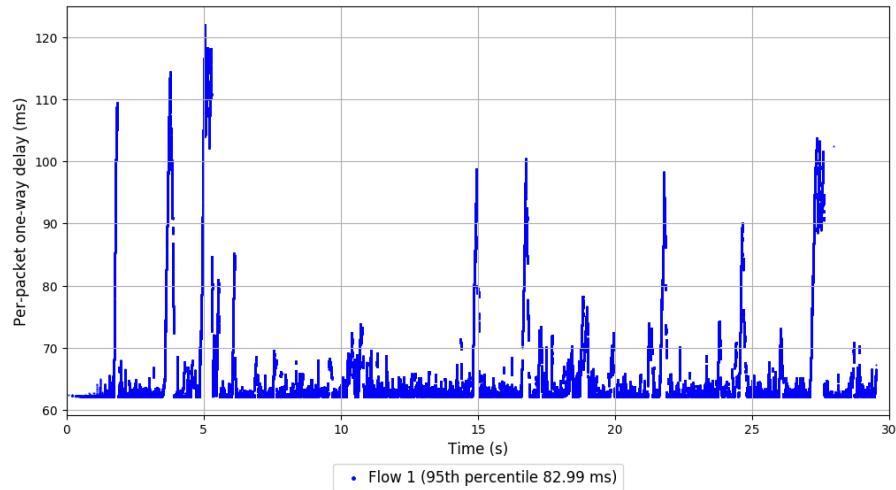
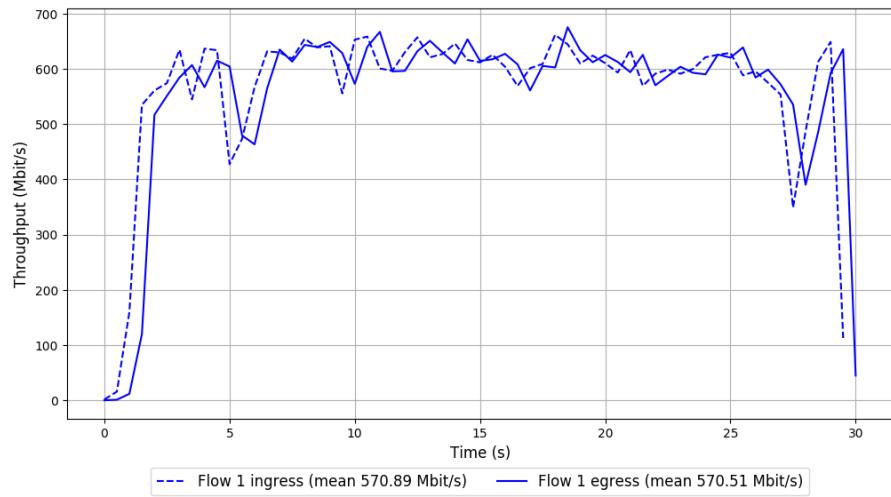


```
Run 2: Statistics of Muses\_DecisionTree

Start at: 2019-10-03 06:08:20
End at: 2019-10-03 06:08:50
Local clock offset: -0.073 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2019-10-03 09:56:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 570.51 Mbit/s
95th percentile per-packet one-way delay: 82.990 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 570.51 Mbit/s
95th percentile per-packet one-way delay: 82.990 ms
Loss rate: 0.48%
```

Run 2: Report of Muses_DecisionTree — Data Link

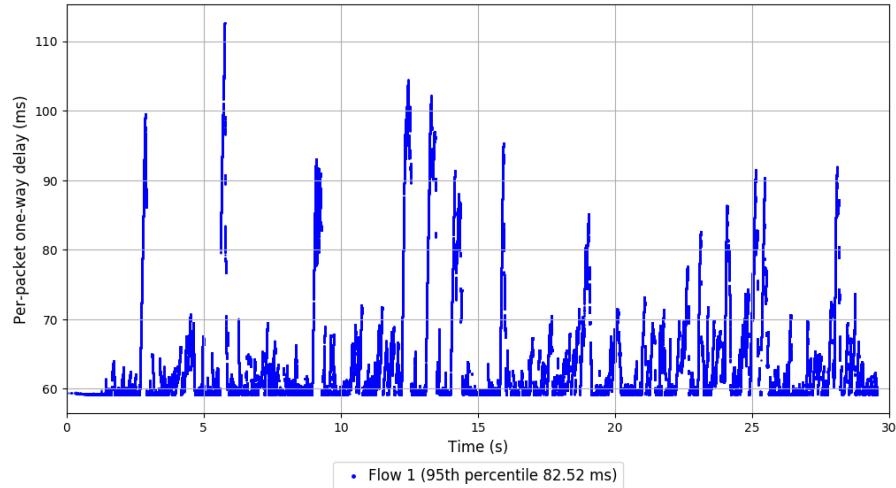
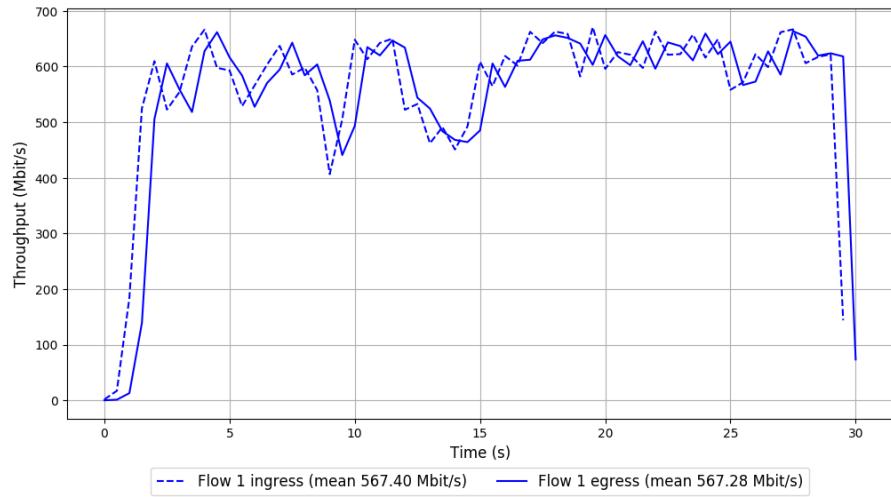


```
Run 3: Statistics of Muses\_DecisionTree
```

```
Start at: 2019-10-03 06:42:54
End at: 2019-10-03 06:43:25
Local clock offset: -0.073 ms
Remote clock offset: 0.642 ms

# Below is generated by plot.py at 2019-10-03 09:57:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 567.28 Mbit/s
95th percentile per-packet one-way delay: 82.516 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 567.28 Mbit/s
95th percentile per-packet one-way delay: 82.516 ms
Loss rate: 0.43%
```

Run 3: Report of Muses_DecisionTree — Data Link

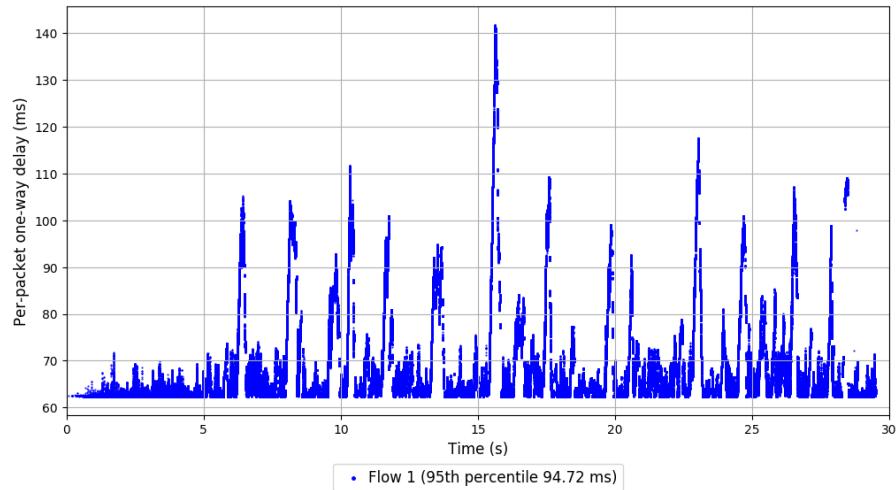
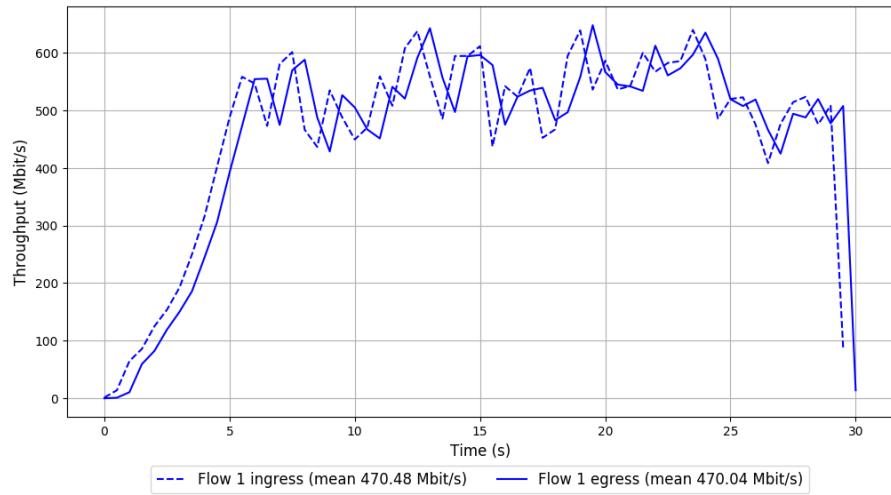


```
Run 4: Statistics of Muses\_DecisionTree

Start at: 2019-10-03 07:17:54
End at: 2019-10-03 07:18:24
Local clock offset: -0.043 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2019-10-03 09:57:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 470.04 Mbit/s
95th percentile per-packet one-way delay: 94.721 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 470.04 Mbit/s
95th percentile per-packet one-way delay: 94.721 ms
Loss rate: 0.53%
```

Run 4: Report of Muses_DecisionTree — Data Link

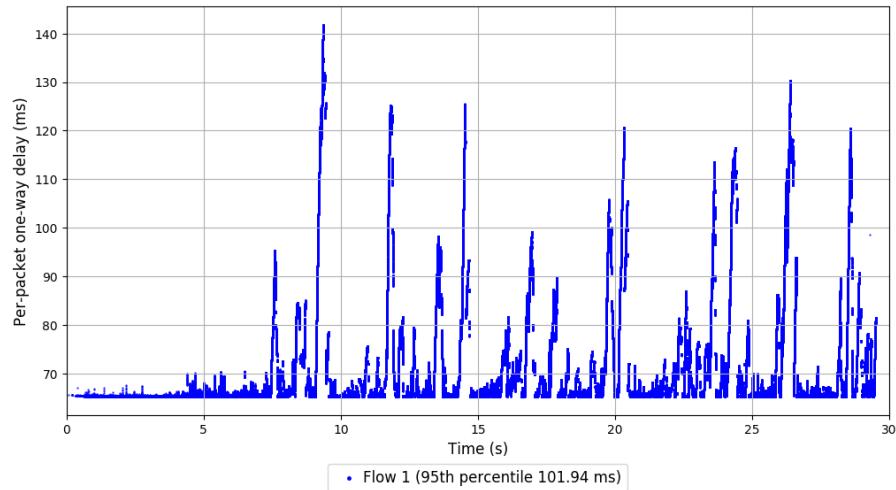
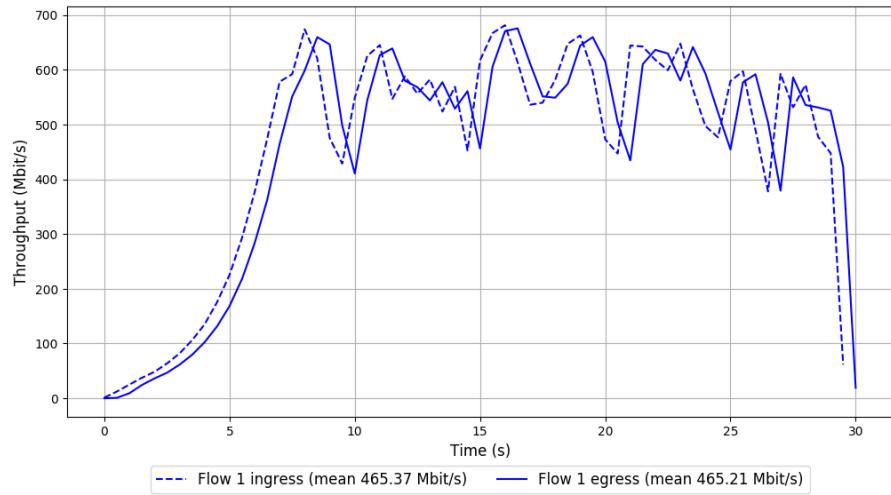


```
Run 5: Statistics of Muses\_DecisionTree

Start at: 2019-10-03 07:52:36
End at: 2019-10-03 07:53:06
Local clock offset: -0.041 ms
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2019-10-03 09:57:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 465.21 Mbit/s
95th percentile per-packet one-way delay: 101.938 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 465.21 Mbit/s
95th percentile per-packet one-way delay: 101.938 ms
Loss rate: 0.47%
```

Run 5: Report of Muses_DecisionTree — Data Link

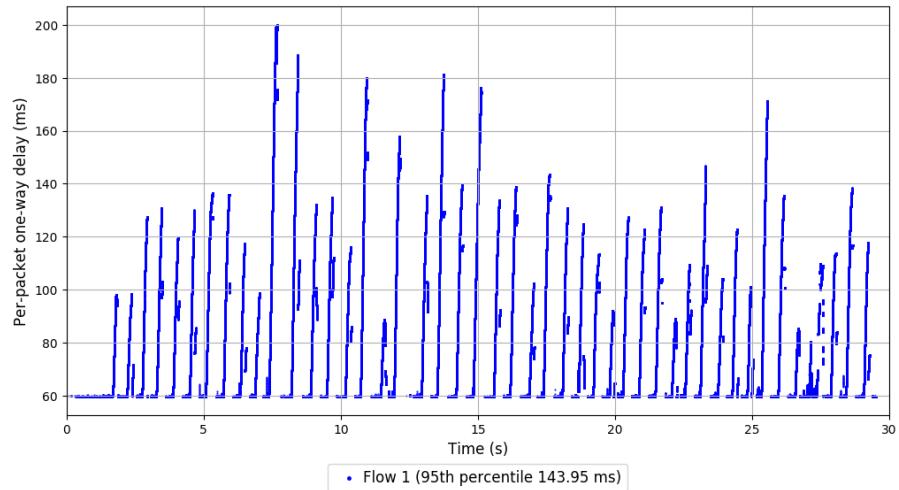
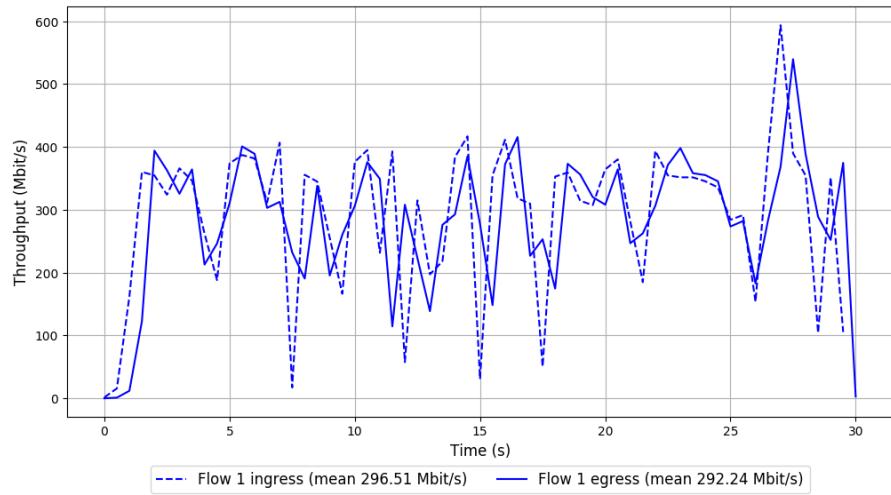


```
Run 1: Statistics of Muses\_DecisionTreeH0

Start at: 2019-10-03 05:35:35
End at: 2019-10-03 05:36:05
Local clock offset: 0.018 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2019-10-03 09:59:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 292.24 Mbit/s
95th percentile per-packet one-way delay: 143.947 ms
Loss rate: 1.85%
-- Flow 1:
Average throughput: 292.24 Mbit/s
95th percentile per-packet one-way delay: 143.947 ms
Loss rate: 1.85%
```

Run 1: Report of Muses_DecisionTreeH0 — Data Link

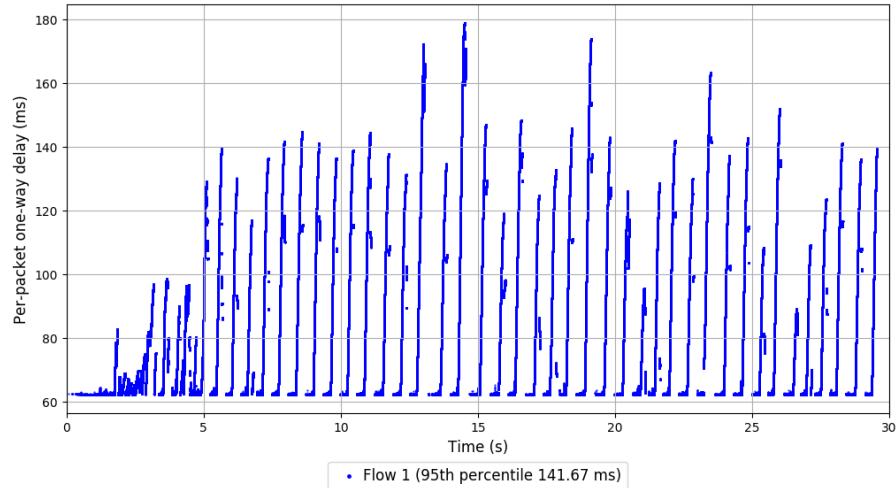
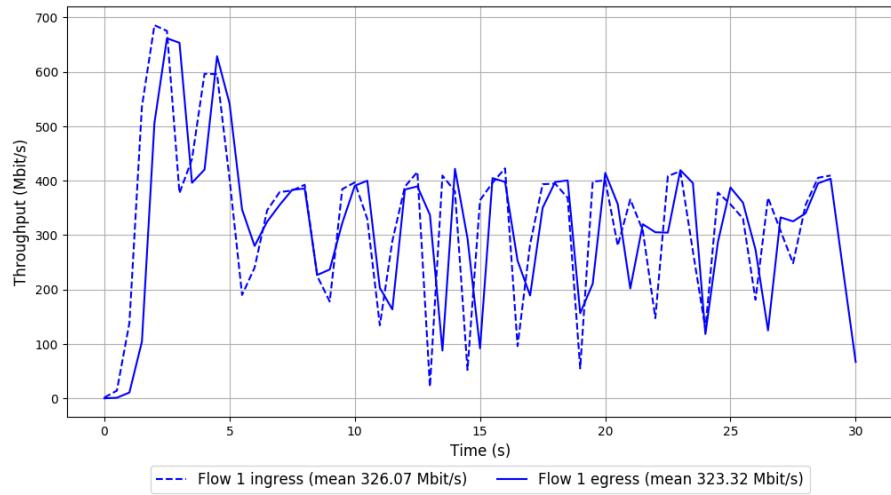


```
Run 2: Statistics of Muses\_DecisionTreeH0

Start at: 2019-10-03 06:09:55
End at: 2019-10-03 06:10:25
Local clock offset: -0.031 ms
Remote clock offset: 0.007 ms

# Below is generated by plot.py at 2019-10-03 09:59:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 323.32 Mbit/s
95th percentile per-packet one-way delay: 141.671 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 323.32 Mbit/s
95th percentile per-packet one-way delay: 141.671 ms
Loss rate: 0.84%
```

Run 2: Report of Muses_DecisionTreeH0 — Data Link

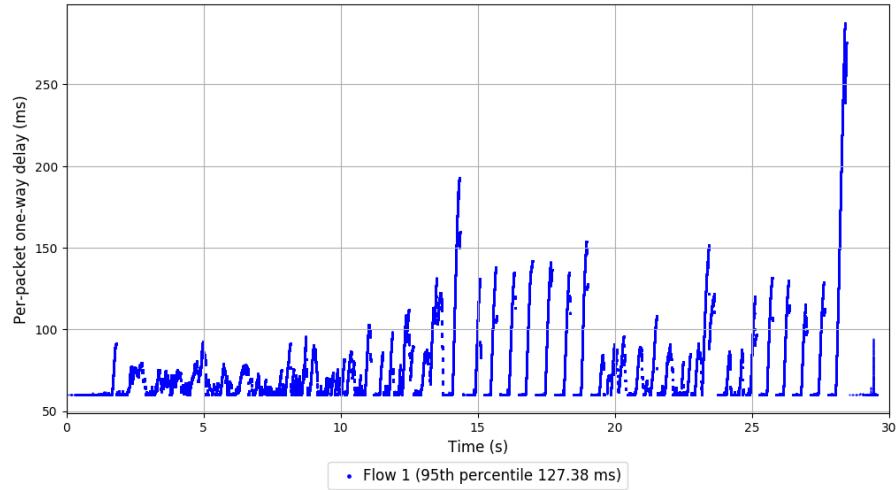
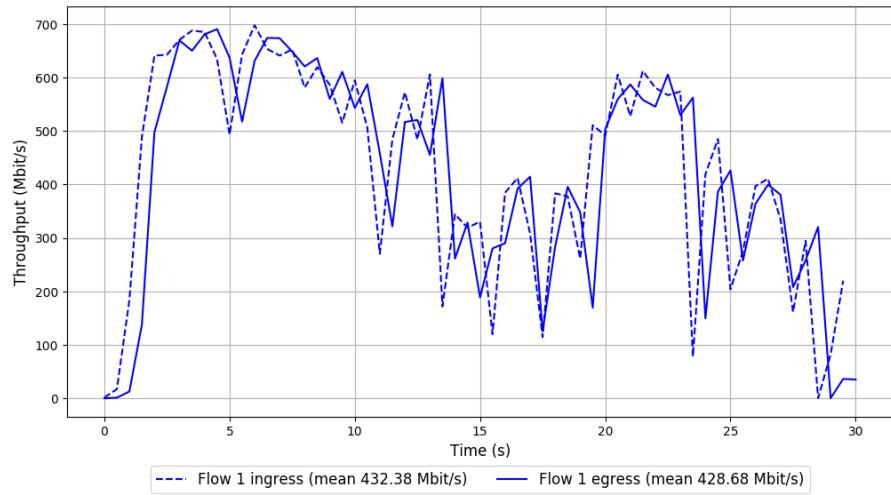


```
Run 3: Statistics of Muses\_DecisionTreeH0

Start at: 2019-10-03 06:44:30
End at: 2019-10-03 06:45:00
Local clock offset: -0.054 ms
Remote clock offset: -0.107 ms

# Below is generated by plot.py at 2019-10-03 10:01:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 428.68 Mbit/s
95th percentile per-packet one-way delay: 127.377 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 428.68 Mbit/s
95th percentile per-packet one-way delay: 127.377 ms
Loss rate: 1.28%
```

Run 3: Report of Muses_DecisionTreeH0 — Data Link

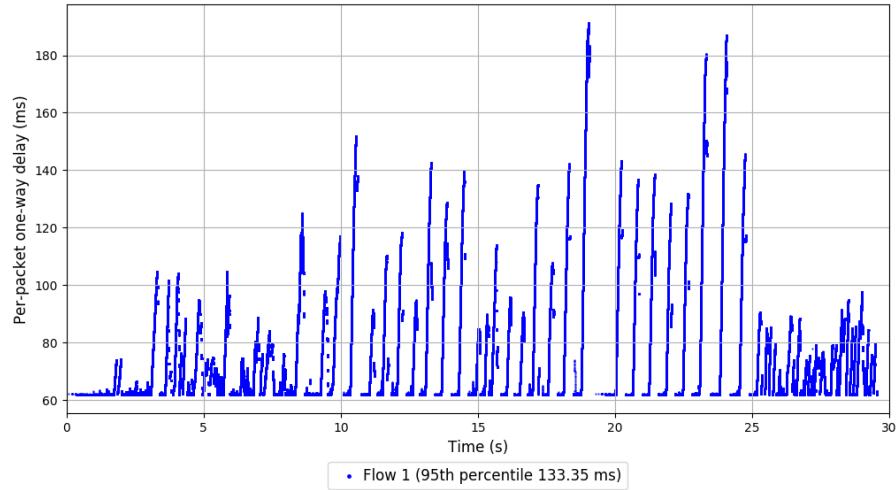
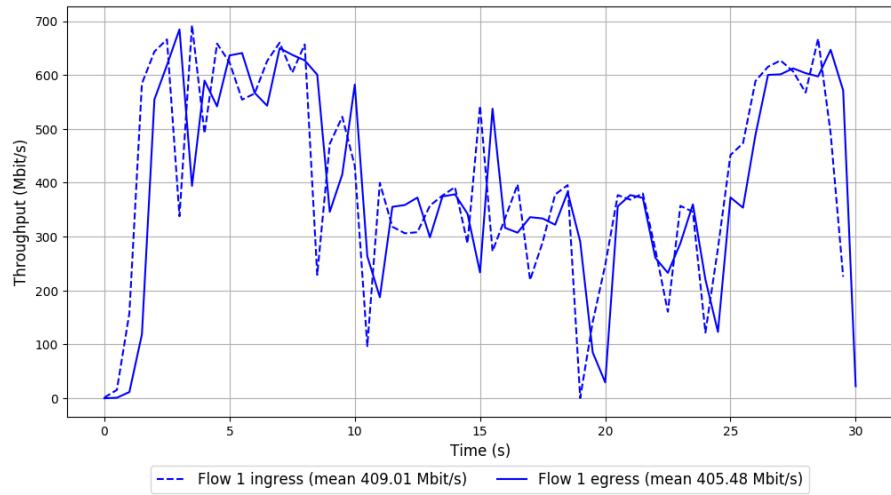


```
Run 4: Statistics of Muses\_DecisionTreeH0

Start at: 2019-10-03 07:19:25
End at: 2019-10-03 07:19:55
Local clock offset: -0.037 ms
Remote clock offset: 0.521 ms

# Below is generated by plot.py at 2019-10-03 10:02:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 405.48 Mbit/s
95th percentile per-packet one-way delay: 133.350 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 405.48 Mbit/s
95th percentile per-packet one-way delay: 133.350 ms
Loss rate: 1.27%
```

Run 4: Report of Muses_DecisionTreeH0 — Data Link

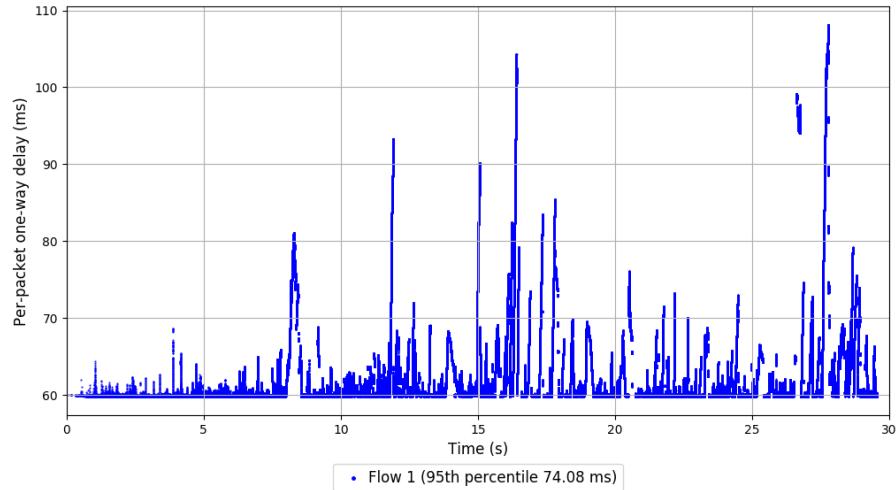
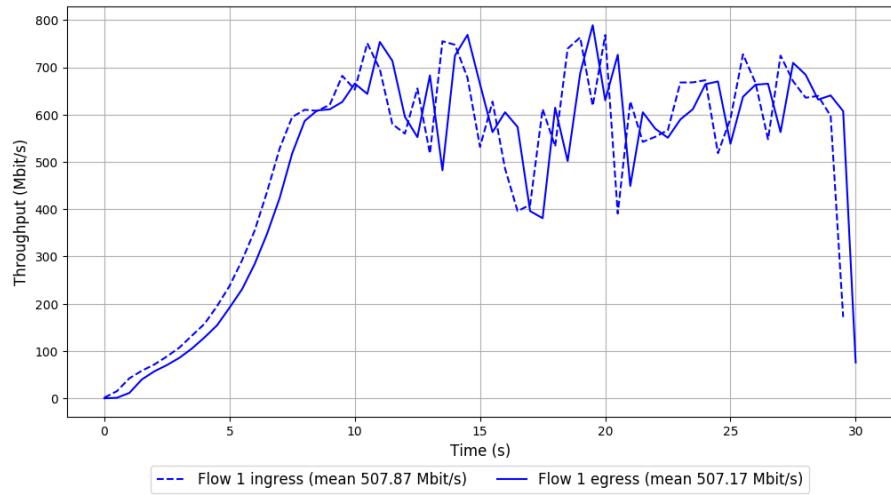


```
Run 5: Statistics of Muses\_DecisionTreeH0

Start at: 2019-10-03 07:54:07
End at: 2019-10-03 07:54:37
Local clock offset: -0.03 ms
Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2019-10-03 10:06:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 507.17 Mbit/s
95th percentile per-packet one-way delay: 74.085 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 507.17 Mbit/s
95th percentile per-packet one-way delay: 74.085 ms
Loss rate: 0.55%
```

Run 5: Report of Muses_DecisionTreeH0 — Data Link

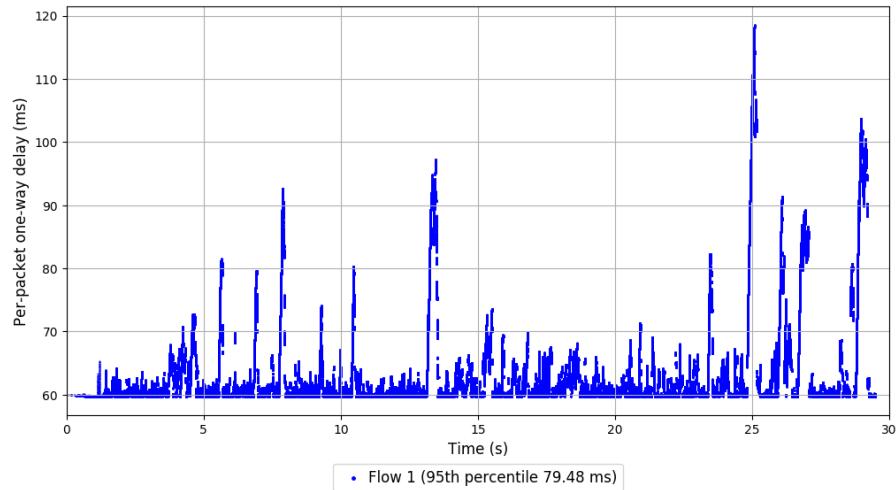
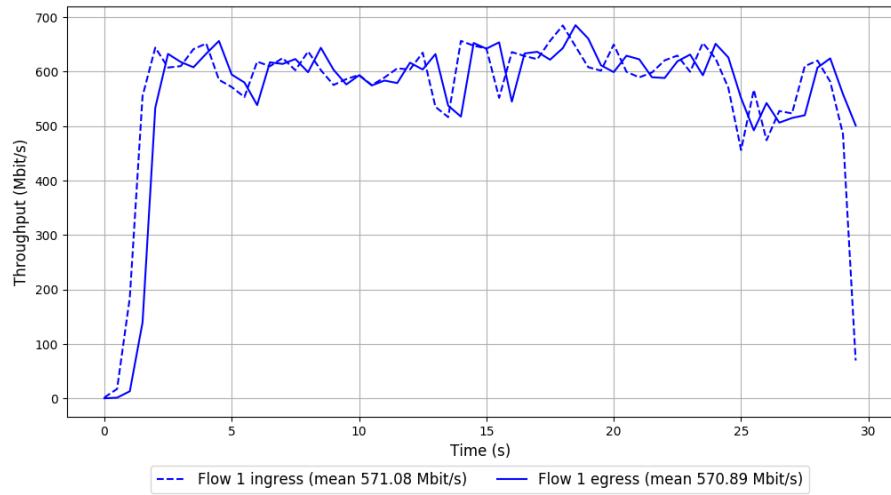


```
Run 1: Statistics of Muses\_DecisionTreeR0

Start at: 2019-10-03 05:50:31
End at: 2019-10-03 05:51:01
Local clock offset: 0.056 ms
Remote clock offset: 0.107 ms

# Below is generated by plot.py at 2019-10-03 10:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 570.89 Mbit/s
95th percentile per-packet one-way delay: 79.481 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 570.89 Mbit/s
95th percentile per-packet one-way delay: 79.481 ms
Loss rate: 0.44%
```

Run 1: Report of Muses_DecisionTreeR0 — Data Link

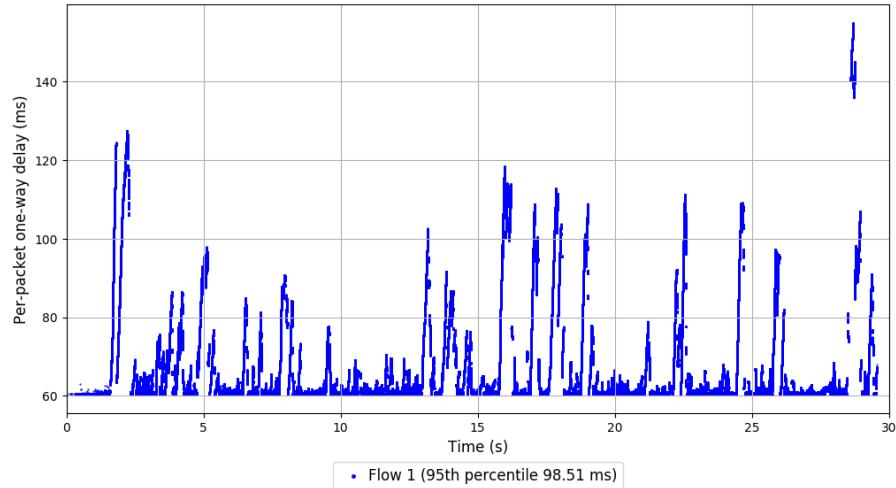
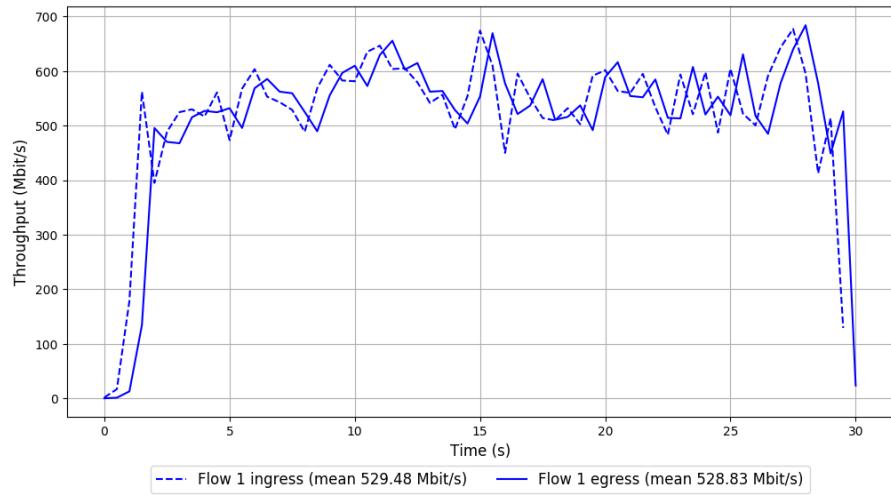


```
Run 2: Statistics of Muses\_DecisionTreeR0

Start at: 2019-10-03 06:25:01
End at: 2019-10-03 06:25:31
Local clock offset: -0.073 ms
Remote clock offset: -0.18 ms

# Below is generated by plot.py at 2019-10-03 10:08:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 528.83 Mbit/s
95th percentile per-packet one-way delay: 98.510 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 528.83 Mbit/s
95th percentile per-packet one-way delay: 98.510 ms
Loss rate: 0.49%
```

Run 2: Report of Muses_DecisionTreeR0 — Data Link

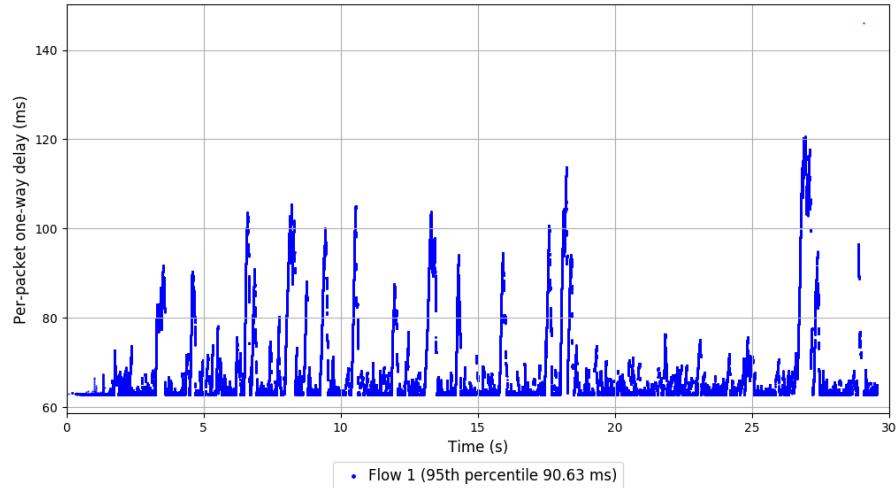
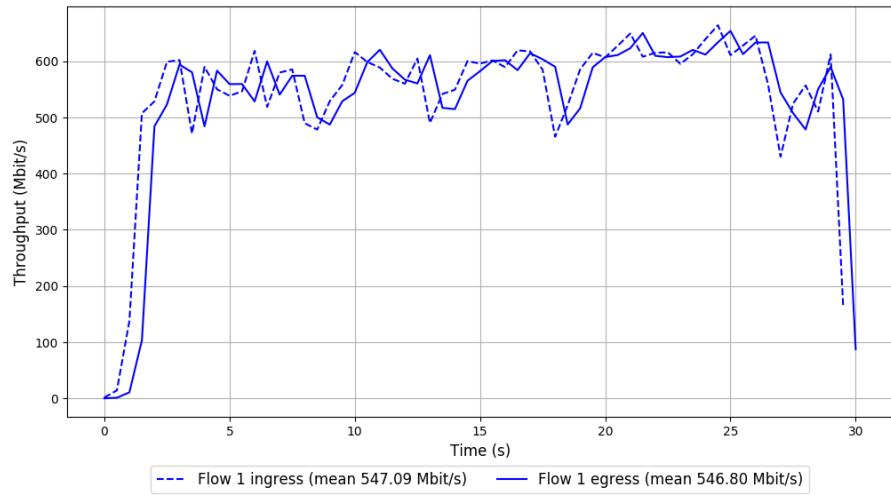


```
Run 3: Statistics of Muses\_DecisionTreeR0

Start at: 2019-10-03 07:00:05
End at: 2019-10-03 07:00:35
Local clock offset: -0.052 ms
Remote clock offset: -0.294 ms

# Below is generated by plot.py at 2019-10-03 10:08:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 546.80 Mbit/s
95th percentile per-packet one-way delay: 90.630 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 546.80 Mbit/s
95th percentile per-packet one-way delay: 90.630 ms
Loss rate: 0.49%
```

Run 3: Report of Muses_DecisionTreeR0 — Data Link

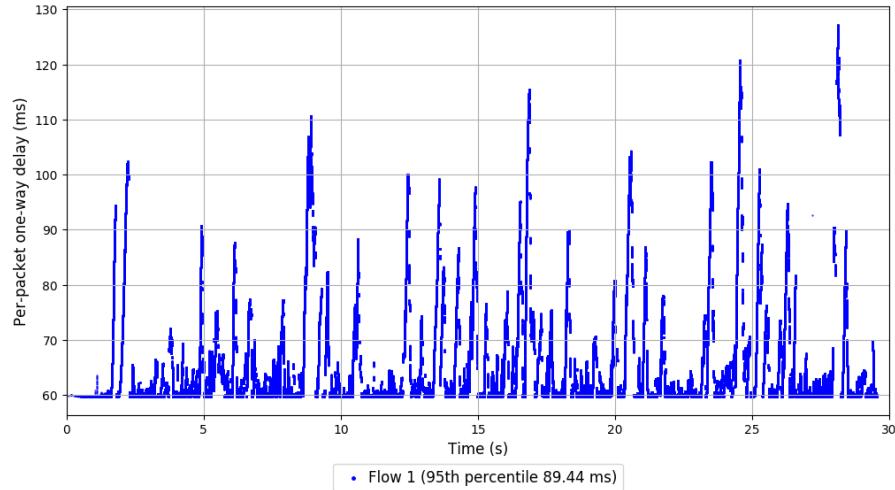
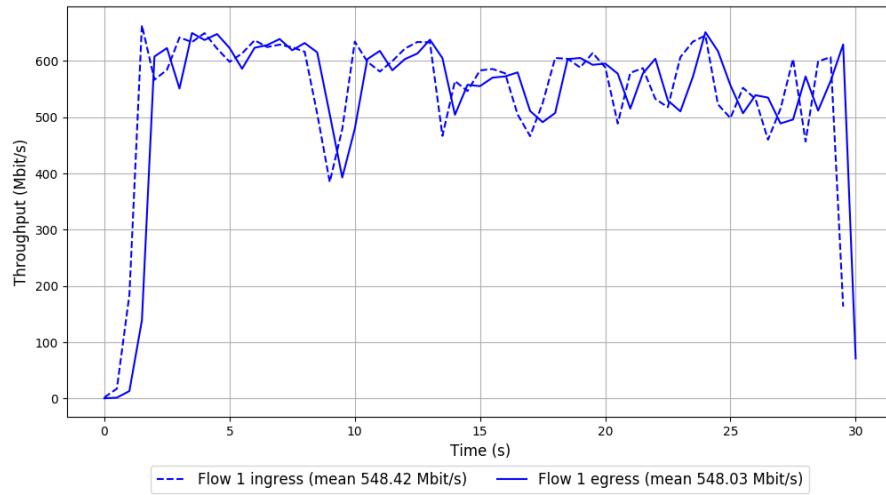


```
Run 4: Statistics of Muses\_DecisionTreeR0

Start at: 2019-10-03 07:34:46
End at: 2019-10-03 07:35:16
Local clock offset: -0.053 ms
Remote clock offset: 0.019 ms

# Below is generated by plot.py at 2019-10-03 10:09:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 548.03 Mbit/s
95th percentile per-packet one-way delay: 89.440 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 548.03 Mbit/s
95th percentile per-packet one-way delay: 89.440 ms
Loss rate: 0.48%
```

Run 4: Report of Muses_DecisionTreeR0 — Data Link

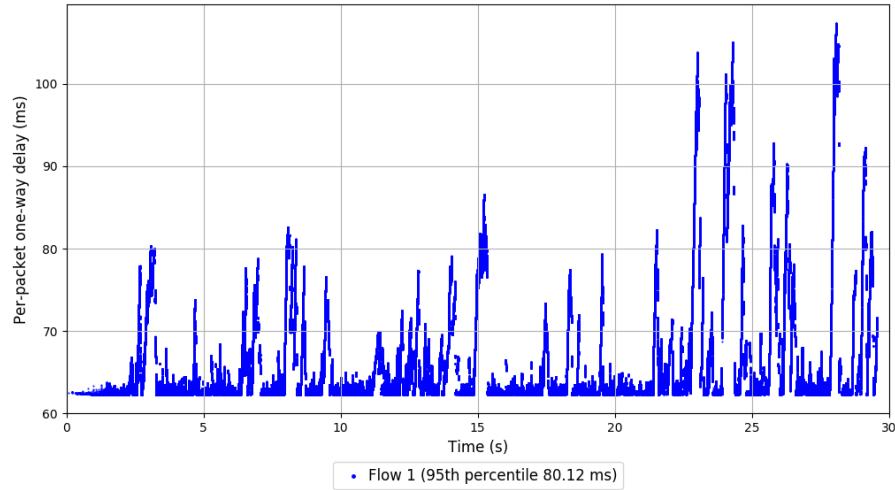
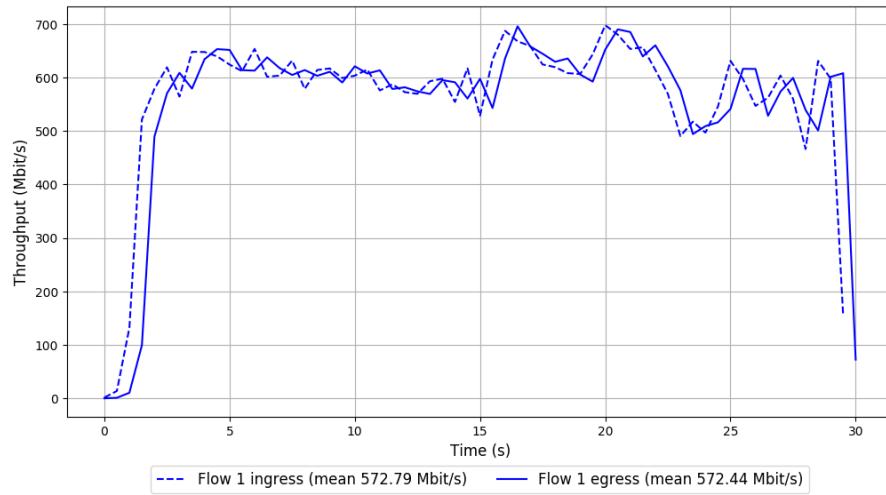


```
Run 5: Statistics of Muses\_DecisionTreeR0

Start at: 2019-10-03 08:09:15
End at: 2019-10-03 08:09:45
Local clock offset: -0.005 ms
Remote clock offset: -0.013 ms

# Below is generated by plot.py at 2019-10-03 10:10:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 572.44 Mbit/s
95th percentile per-packet one-way delay: 80.116 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 572.44 Mbit/s
95th percentile per-packet one-way delay: 80.116 ms
Loss rate: 0.49%
```

Run 5: Report of Muses_DecisionTreeR0 — Data Link

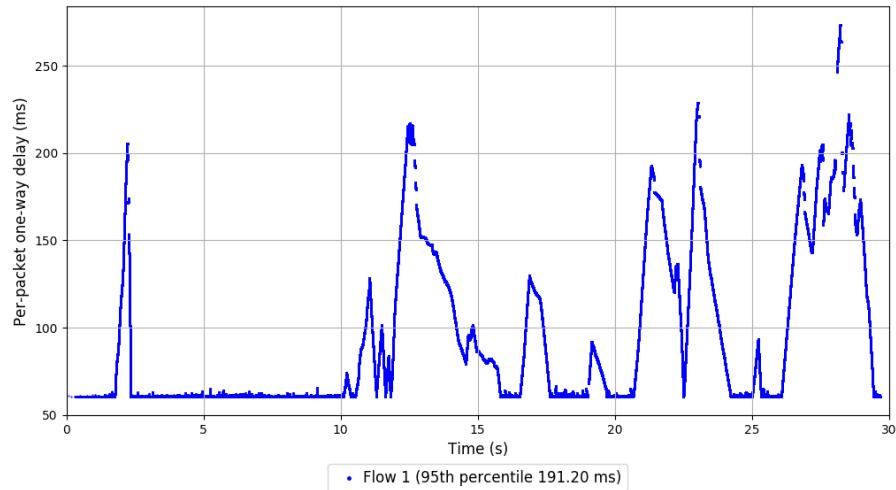
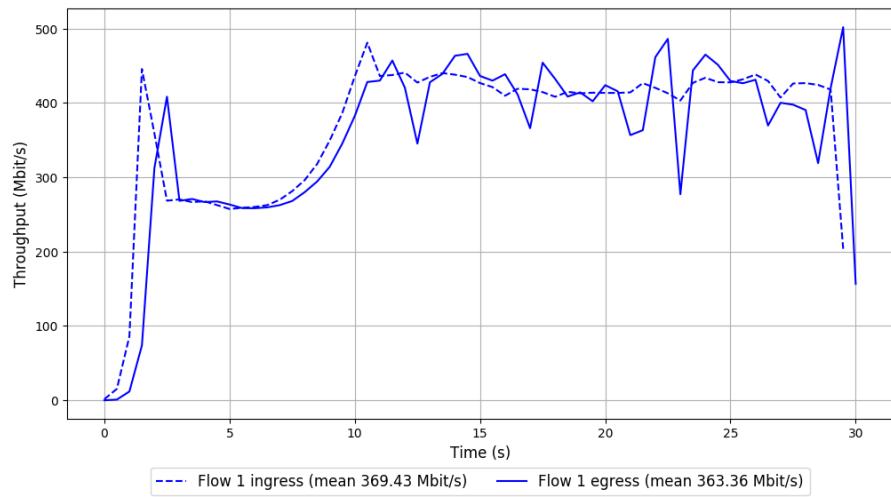


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-10-03 05:58:17
End at: 2019-10-03 05:58:47
Local clock offset: 0.054 ms
Remote clock offset: -0.316 ms

# Below is generated by plot.py at 2019-10-03 10:15:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 363.36 Mbit/s
95th percentile per-packet one-way delay: 191.203 ms
Loss rate: 2.05%
-- Flow 1:
Average throughput: 363.36 Mbit/s
95th percentile per-packet one-way delay: 191.203 ms
Loss rate: 2.05%
```

Run 1: Report of PCC-Allegro — Data Link

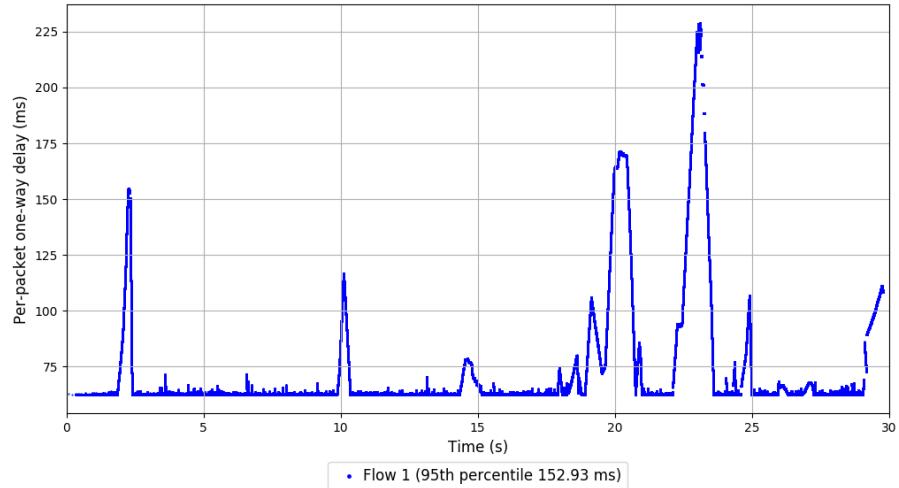
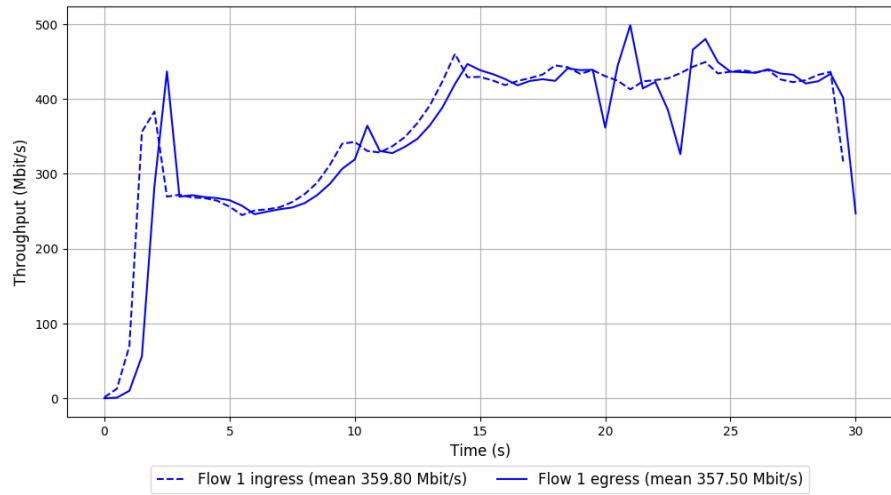


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-10-03 06:32:47
End at: 2019-10-03 06:33:17
Local clock offset: -0.103 ms
Remote clock offset: -0.184 ms

# Below is generated by plot.py at 2019-10-03 10:16:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 357.50 Mbit/s
95th percentile per-packet one-way delay: 152.932 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 357.50 Mbit/s
95th percentile per-packet one-way delay: 152.932 ms
Loss rate: 1.07%
```

Run 2: Report of PCC-Allegro — Data Link

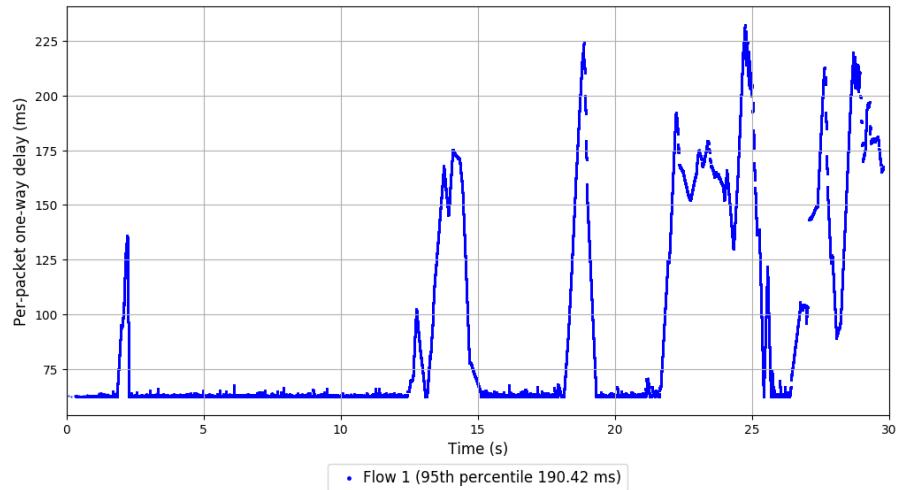
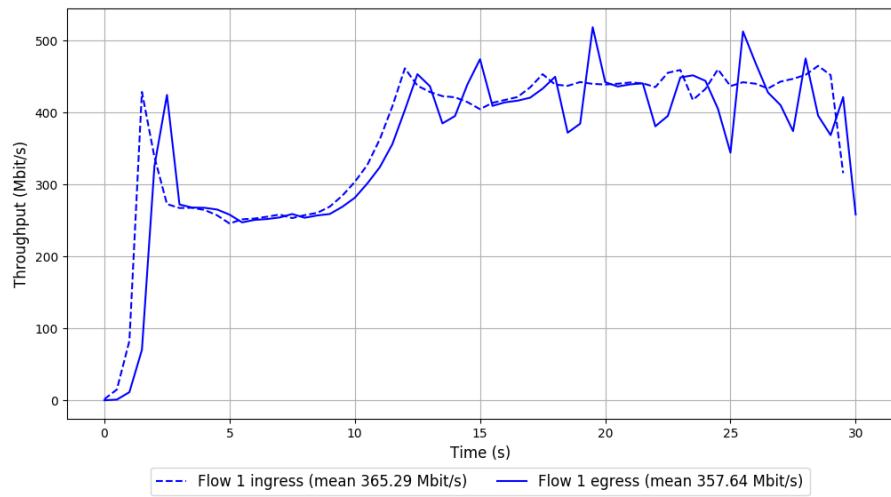


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-10-03 07:07:43
End at: 2019-10-03 07:08:13
Local clock offset: -0.054 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2019-10-03 10:20:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 357.64 Mbit/s
95th percentile per-packet one-way delay: 190.419 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 357.64 Mbit/s
95th percentile per-packet one-way delay: 190.419 ms
Loss rate: 2.52%
```

Run 3: Report of PCC-Allegro — Data Link

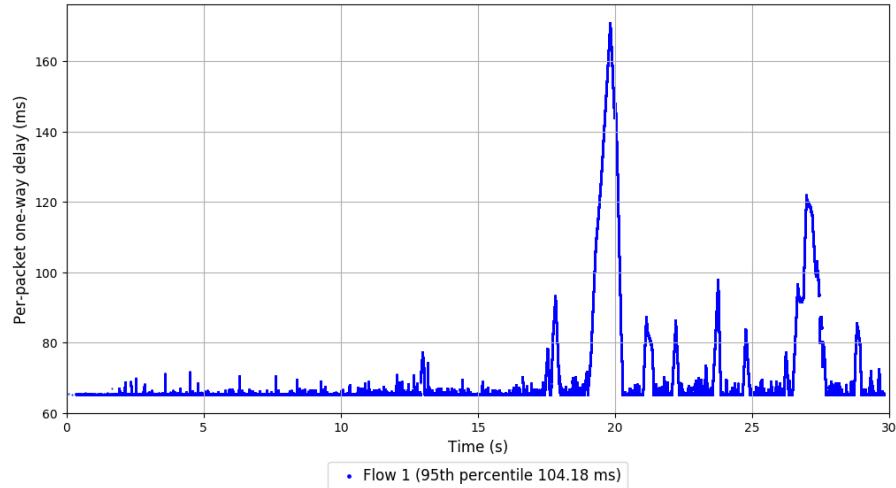
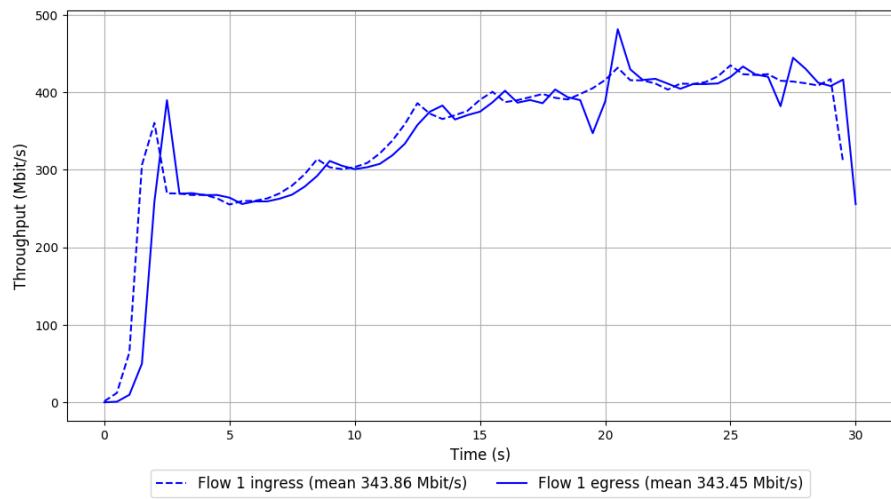


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-10-03 07:42:28
End at: 2019-10-03 07:42:58
Local clock offset: -0.034 ms
Remote clock offset: -0.162 ms

# Below is generated by plot.py at 2019-10-03 10:21:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 343.45 Mbit/s
95th percentile per-packet one-way delay: 104.180 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 343.45 Mbit/s
95th percentile per-packet one-way delay: 104.180 ms
Loss rate: 0.56%
```

Run 4: Report of PCC-Allegro — Data Link

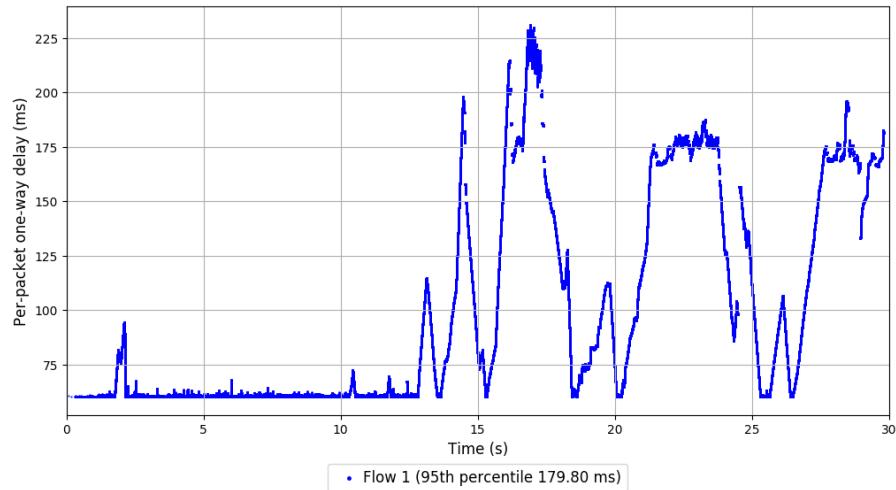
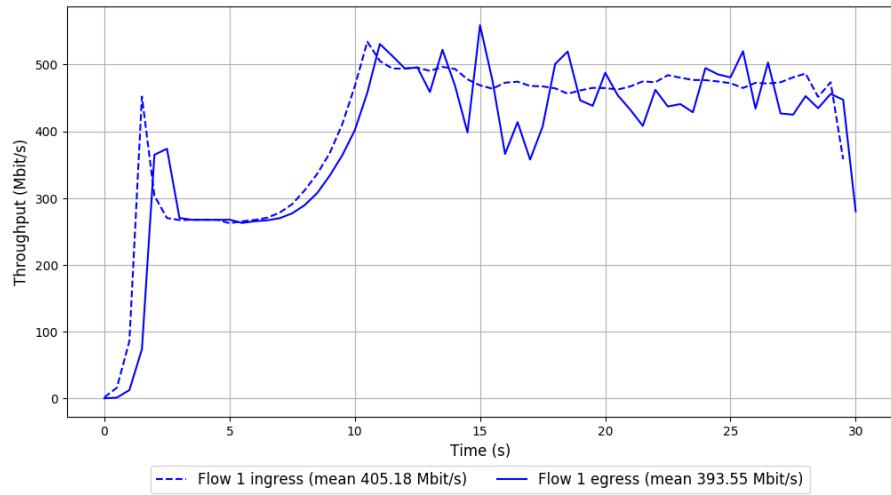


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-10-03 08:16:59
End at: 2019-10-03 08:17:29
Local clock offset: -0.031 ms
Remote clock offset: -0.202 ms

# Below is generated by plot.py at 2019-10-03 10:23:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 393.55 Mbit/s
95th percentile per-packet one-way delay: 179.804 ms
Loss rate: 3.27%
-- Flow 1:
Average throughput: 393.55 Mbit/s
95th percentile per-packet one-way delay: 179.804 ms
Loss rate: 3.27%
```

Run 5: Report of PCC-Allegro — Data Link

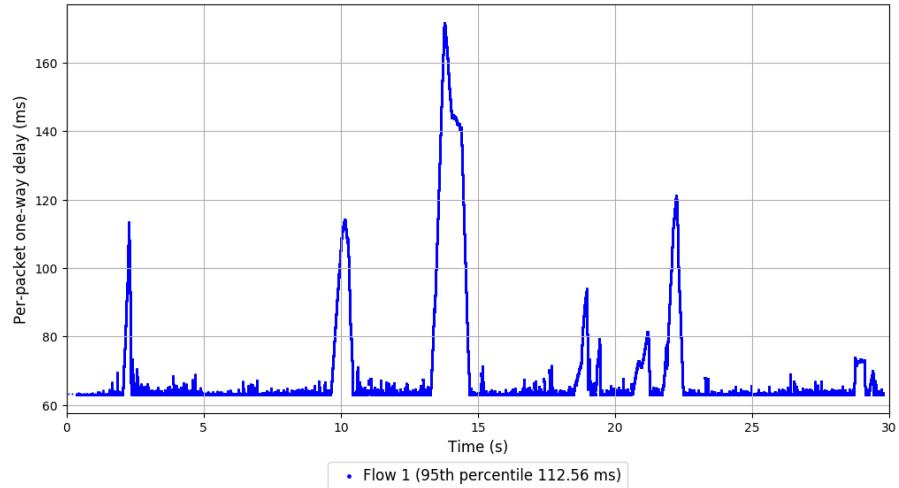
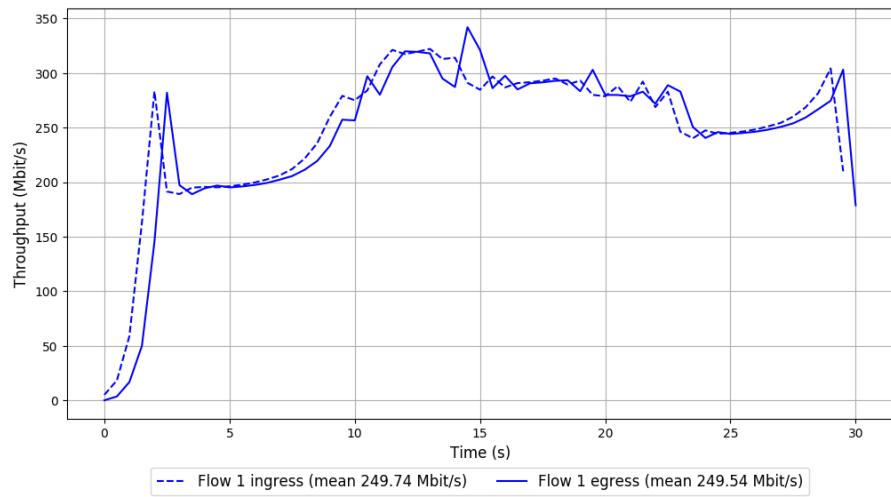


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-10-03 06:04:33
End at: 2019-10-03 06:05:03
Local clock offset: 0.002 ms
Remote clock offset: -0.164 ms

# Below is generated by plot.py at 2019-10-03 10:23:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 249.54 Mbit/s
95th percentile per-packet one-way delay: 112.562 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 249.54 Mbit/s
95th percentile per-packet one-way delay: 112.562 ms
Loss rate: 0.50%
```

Run 1: Report of PCC-Expr — Data Link

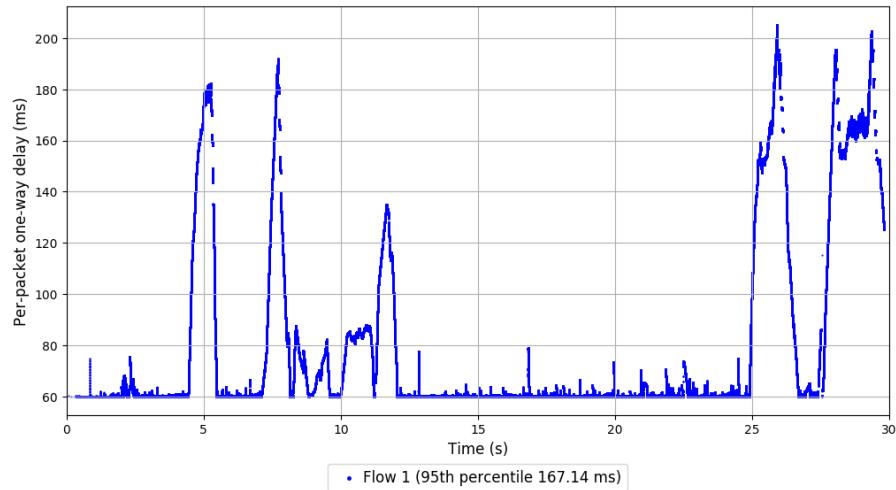
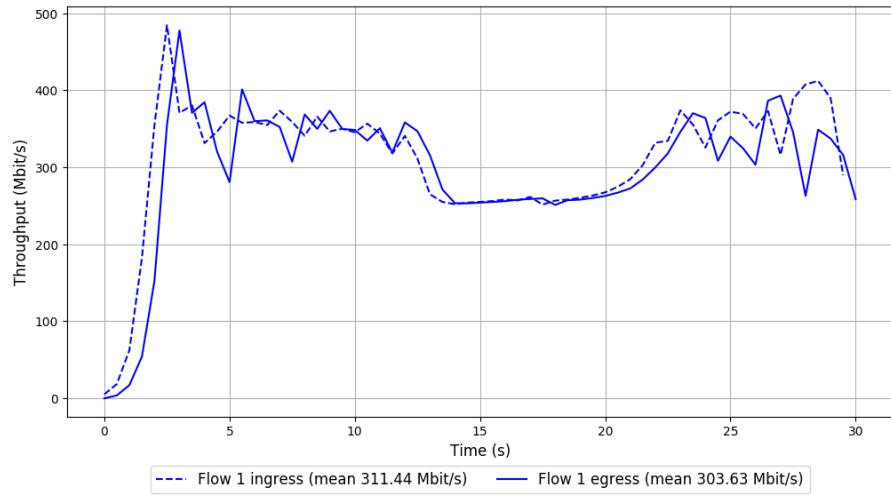


Run 2: Statistics of PCC-Expr

```
Start at: 2019-10-03 06:39:04
End at: 2019-10-03 06:39:34
Local clock offset: -0.056 ms
Remote clock offset: -0.115 ms

# Below is generated by plot.py at 2019-10-03 10:23:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 303.63 Mbit/s
95th percentile per-packet one-way delay: 167.139 ms
Loss rate: 2.92%
-- Flow 1:
Average throughput: 303.63 Mbit/s
95th percentile per-packet one-way delay: 167.139 ms
Loss rate: 2.92%
```

Run 2: Report of PCC-Expr — Data Link

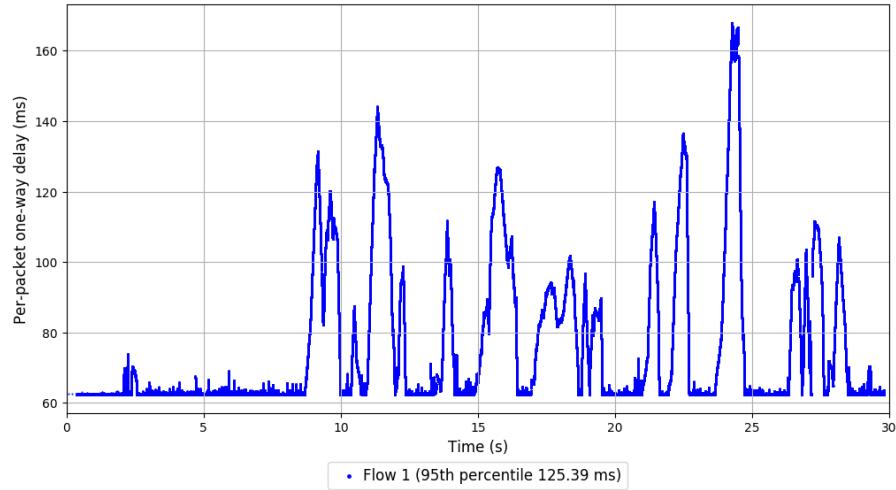
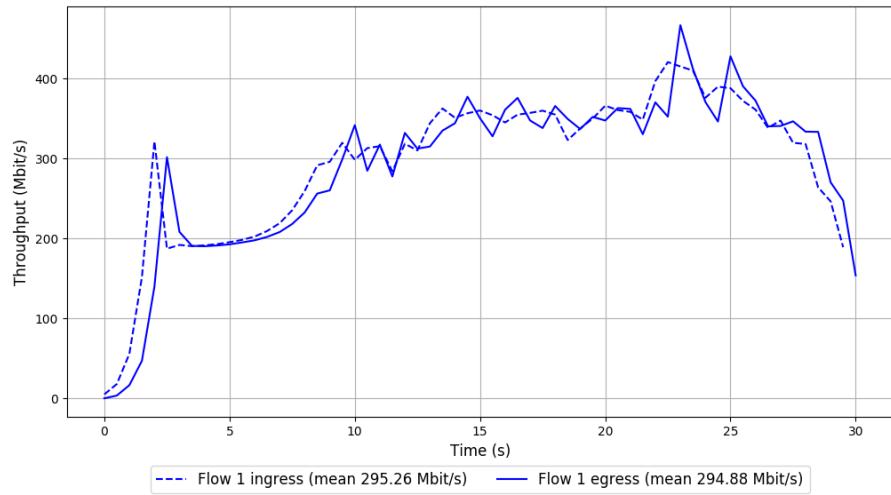


Run 3: Statistics of PCC-Expr

```
Start at: 2019-10-03 07:14:03
End at: 2019-10-03 07:14:33
Local clock offset: -0.054 ms
Remote clock offset: -0.287 ms

# Below is generated by plot.py at 2019-10-03 10:23:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 294.88 Mbit/s
95th percentile per-packet one-way delay: 125.392 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 294.88 Mbit/s
95th percentile per-packet one-way delay: 125.392 ms
Loss rate: 0.56%
```

Run 3: Report of PCC-Expr — Data Link

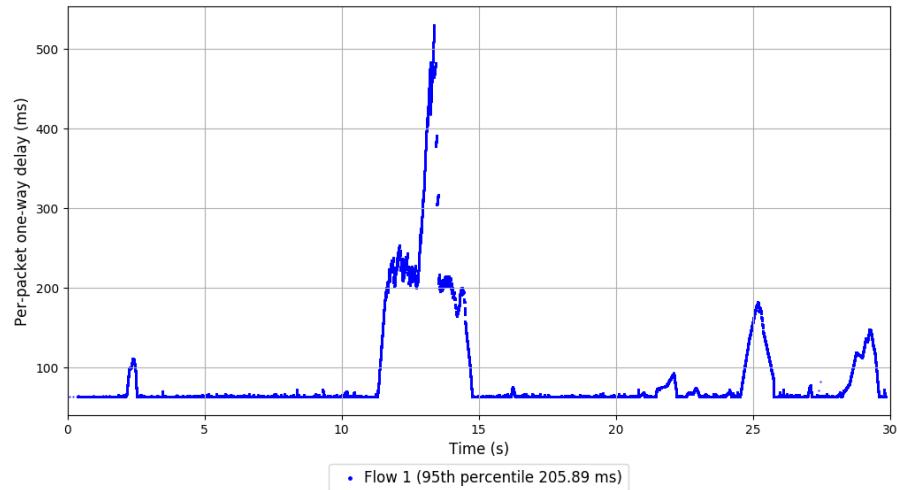
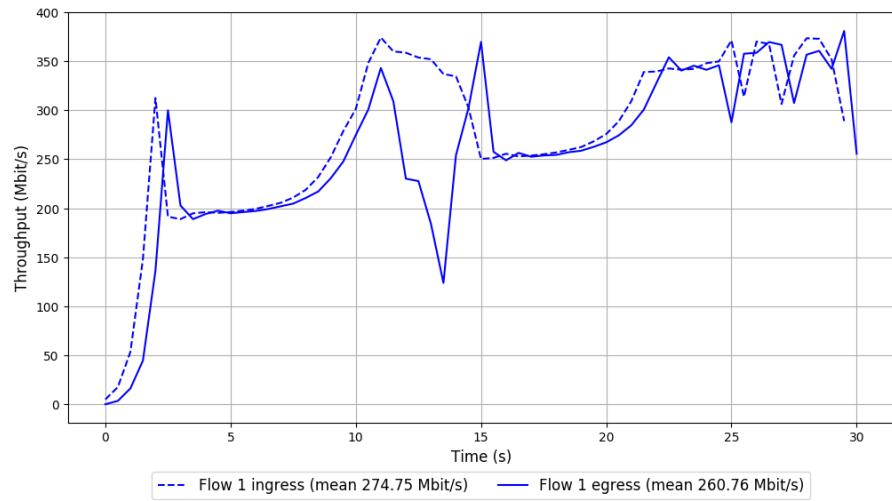


Run 4: Statistics of PCC-Expr

```
Start at: 2019-10-03 07:48:48
End at: 2019-10-03 07:49:18
Local clock offset: -0.041 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2019-10-03 10:26:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 260.76 Mbit/s
95th percentile per-packet one-way delay: 205.886 ms
Loss rate: 5.49%
-- Flow 1:
Average throughput: 260.76 Mbit/s
95th percentile per-packet one-way delay: 205.886 ms
Loss rate: 5.49%
```

Run 4: Report of PCC-Expr — Data Link

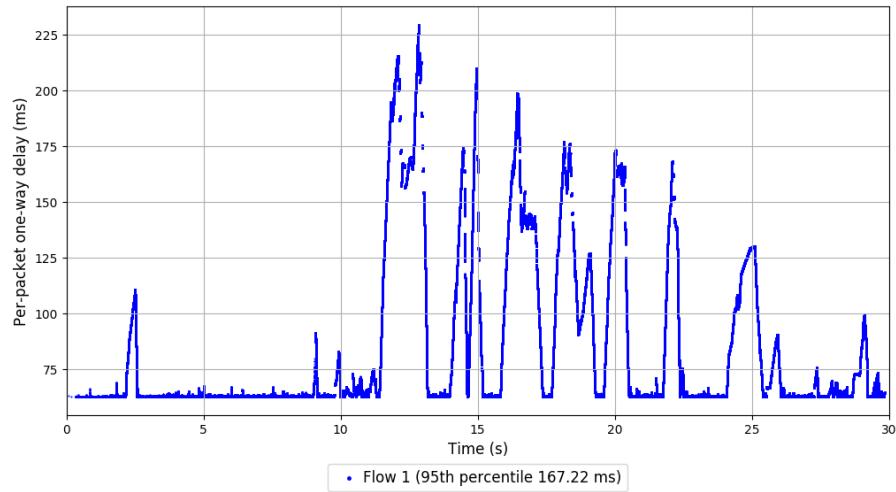
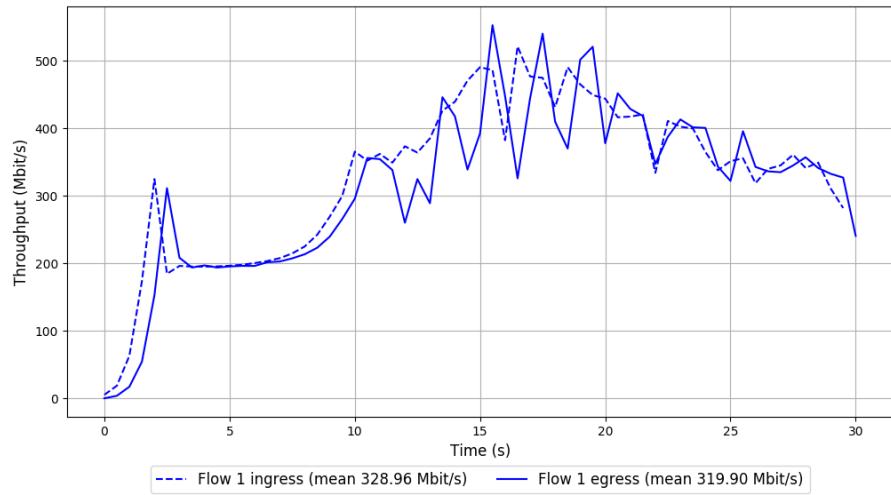


Run 5: Statistics of PCC-Expr

```
Start at: 2019-10-03 08:23:23
End at: 2019-10-03 08:23:53
Local clock offset: -0.047 ms
Remote clock offset: -0.169 ms

# Below is generated by plot.py at 2019-10-03 10:29:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 319.90 Mbit/s
95th percentile per-packet one-way delay: 167.225 ms
Loss rate: 3.17%
-- Flow 1:
Average throughput: 319.90 Mbit/s
95th percentile per-packet one-way delay: 167.225 ms
Loss rate: 3.17%
```

Run 5: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

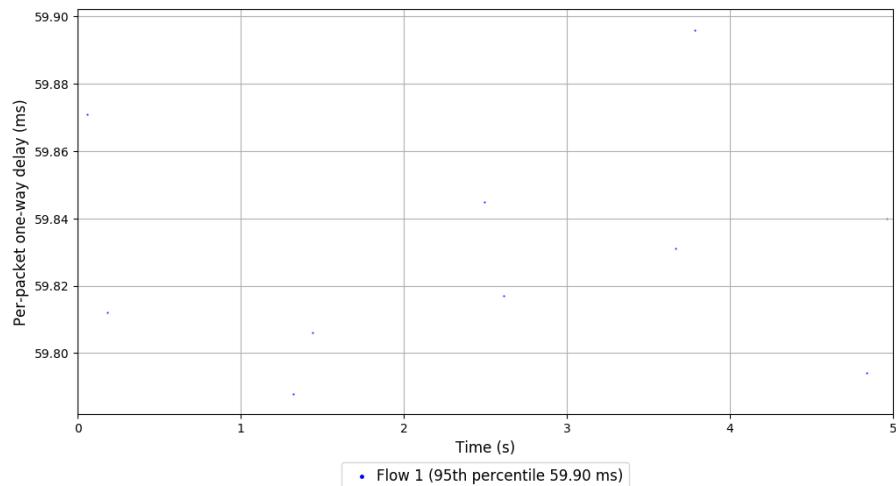
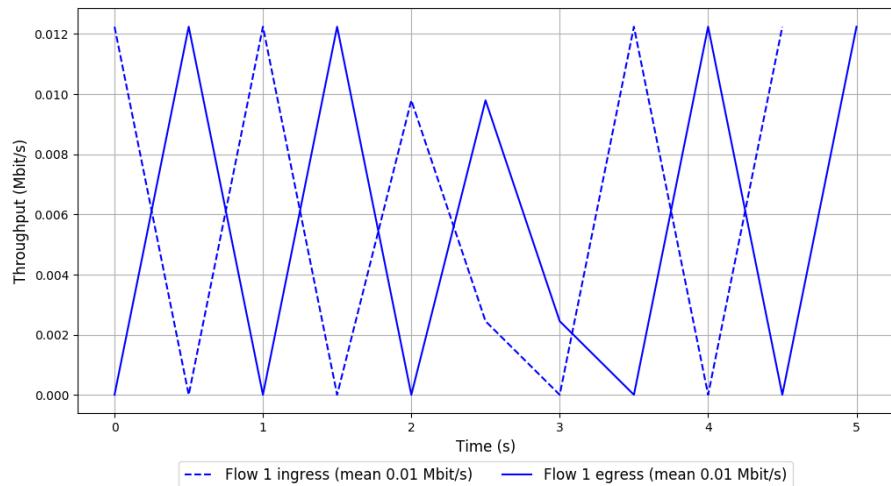
Start at: 2019-10-03 05:45:32

End at: 2019-10-03 05:46:02

Local clock offset: 0.02 ms

Remote clock offset: 0.036 ms

Run 1: Report of QUIC Cubic — Data Link

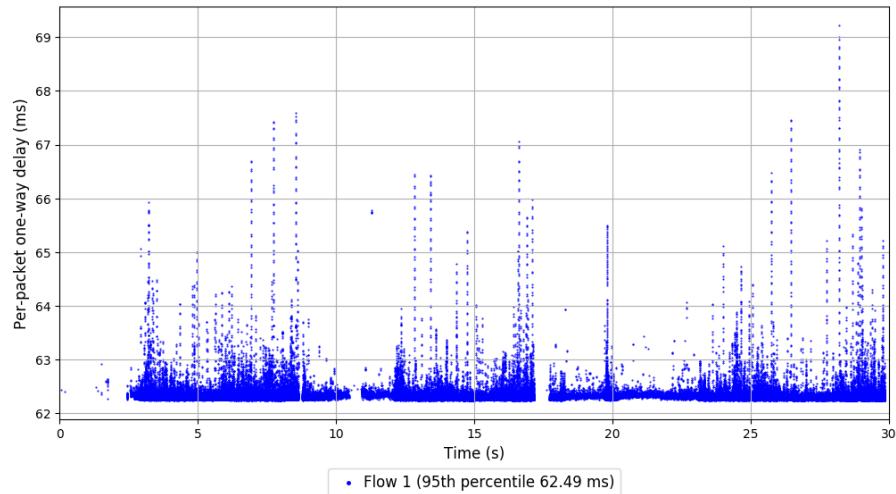
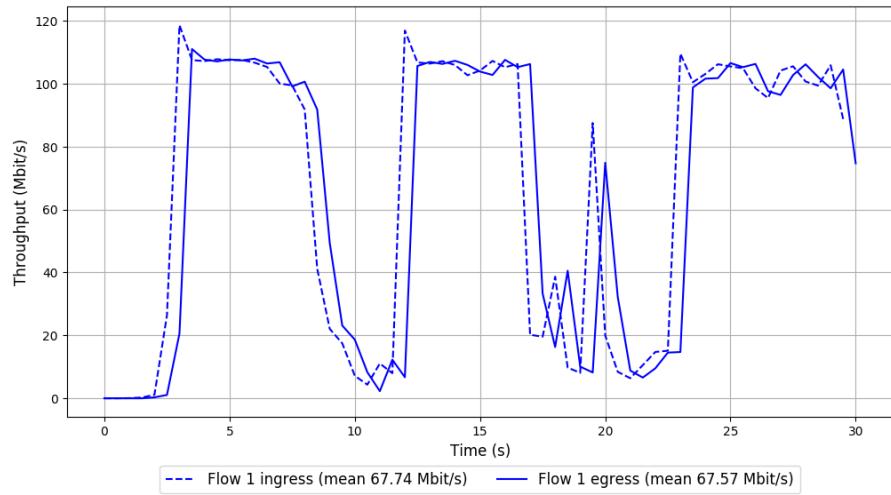


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-10-03 06:19:54
End at: 2019-10-03 06:20:24
Local clock offset: -0.091 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2019-10-03 10:29:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.57 Mbit/s
95th percentile per-packet one-way delay: 62.493 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 67.57 Mbit/s
95th percentile per-packet one-way delay: 62.493 ms
Loss rate: 0.68%
```

Run 2: Report of QUIC Cubic — Data Link

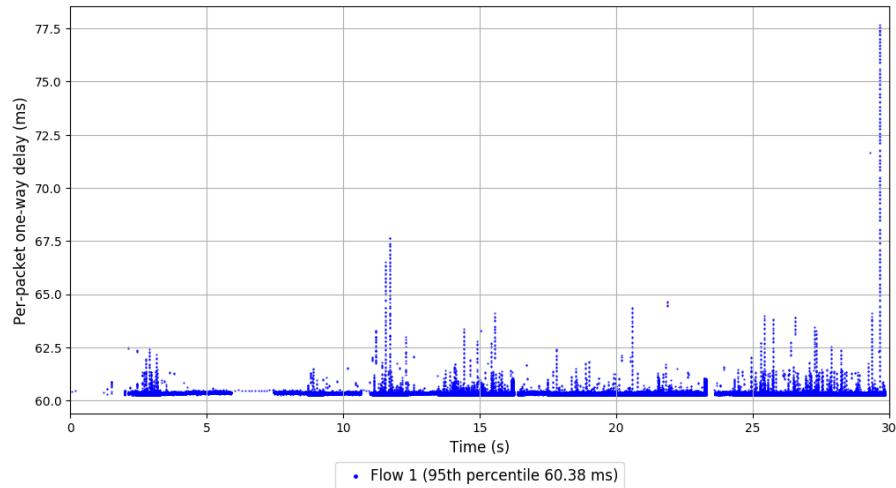
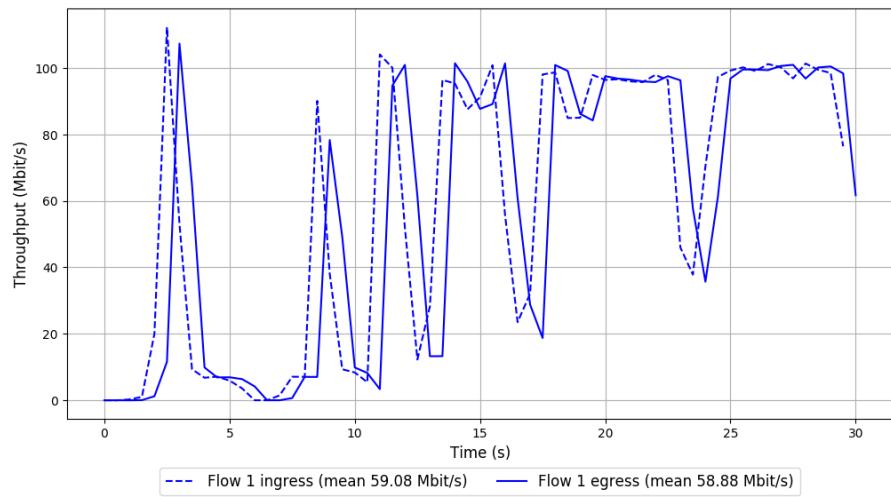


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-10-03 06:54:50
End at: 2019-10-03 06:55:20
Local clock offset: -0.058 ms
Remote clock offset: -0.218 ms

# Below is generated by plot.py at 2019-10-03 10:29:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.88 Mbit/s
95th percentile per-packet one-way delay: 60.375 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 58.88 Mbit/s
95th percentile per-packet one-way delay: 60.375 ms
Loss rate: 0.76%
```

Run 3: Report of QUIC Cubic — Data Link

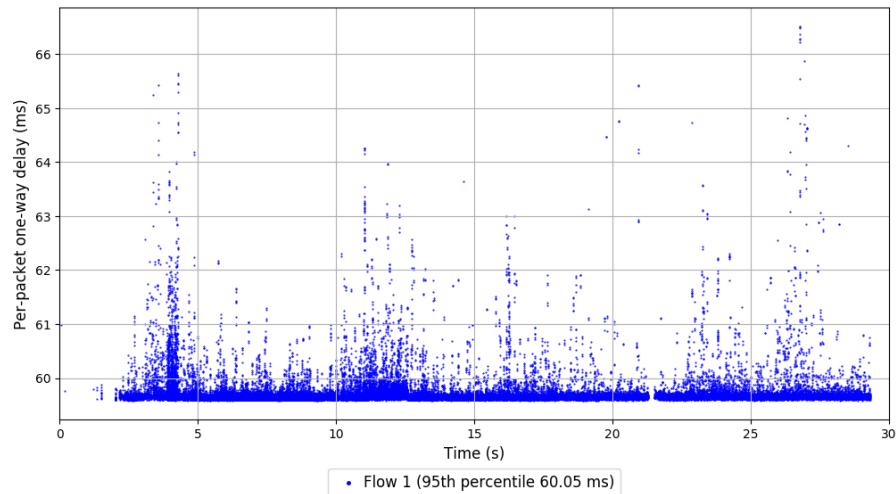
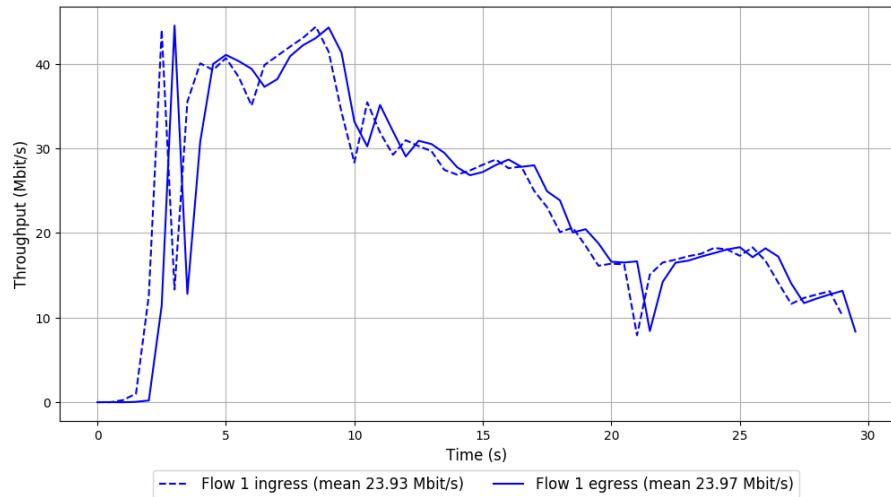


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-10-03 07:29:42
End at: 2019-10-03 07:30:12
Local clock offset: -0.047 ms
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2019-10-03 10:29:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 60.048 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 23.97 Mbit/s
95th percentile per-packet one-way delay: 60.048 ms
Loss rate: 0.26%
```

Run 4: Report of QUIC Cubic — Data Link

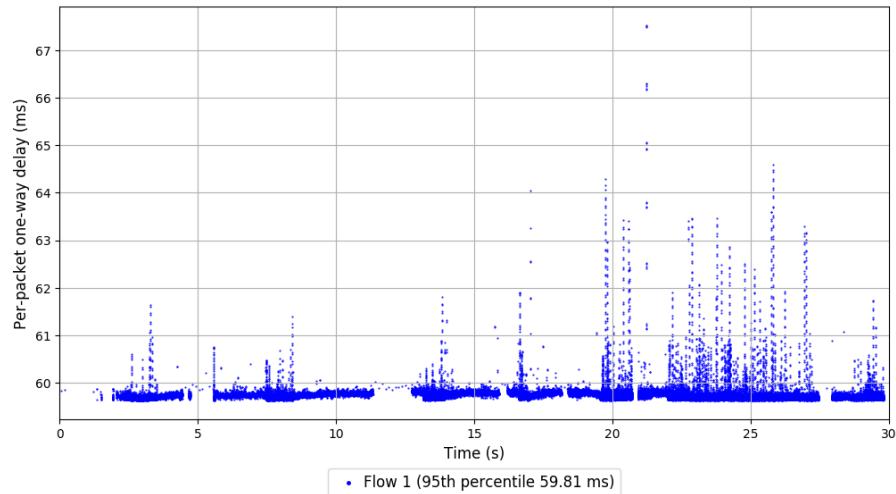
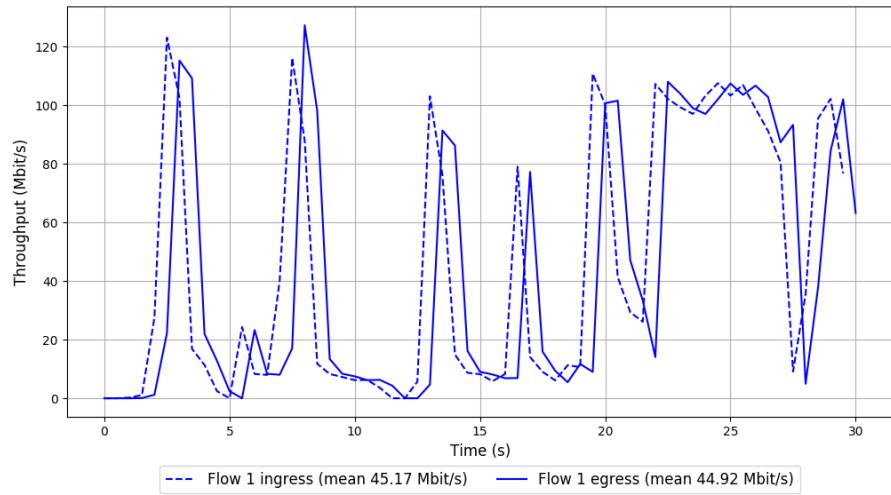


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-10-03 08:04:29
End at: 2019-10-03 08:04:59
Local clock offset: -0.052 ms
Remote clock offset: -0.097 ms

# Below is generated by plot.py at 2019-10-03 10:29:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.92 Mbit/s
95th percentile per-packet one-way delay: 59.814 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 44.92 Mbit/s
95th percentile per-packet one-way delay: 59.814 ms
Loss rate: 0.98%
```

Run 5: Report of QUIC Cubic — Data Link

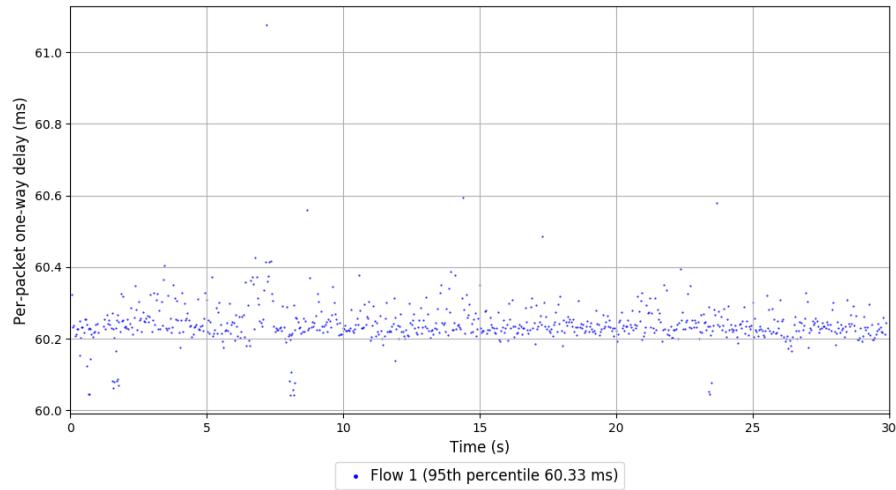
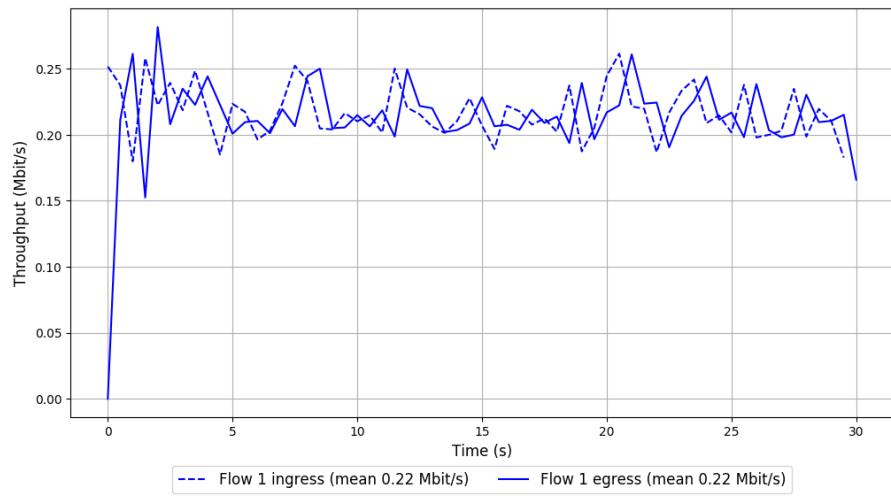


Run 1: Statistics of SCReAM

```
Start at: 2019-10-03 05:32:54
End at: 2019-10-03 05:33:24
Local clock offset: 0.034 ms
Remote clock offset: -0.19 ms

# Below is generated by plot.py at 2019-10-03 10:29:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.328 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.328 ms
Loss rate: 0.38%
```

Run 1: Report of SCReAM — Data Link

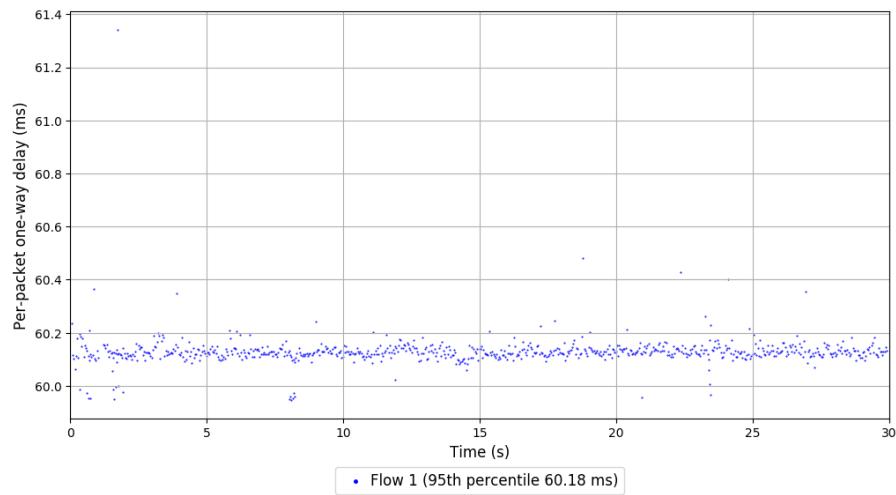
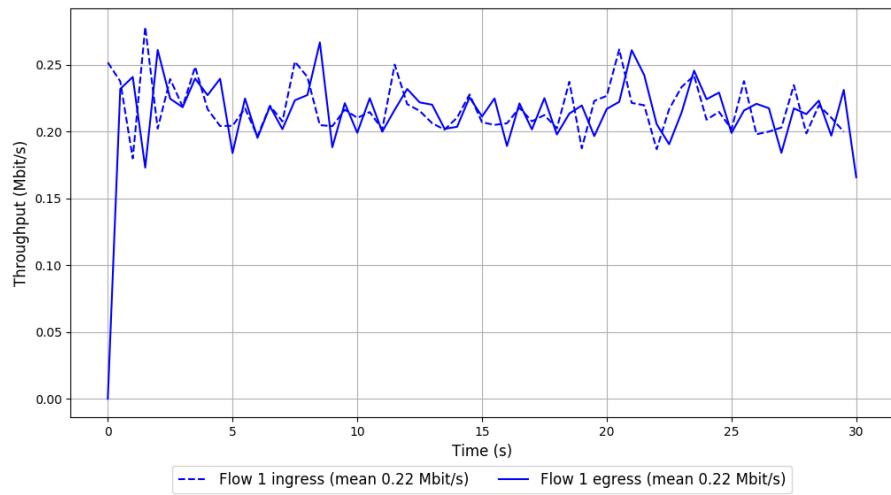


Run 2: Statistics of SCReAM

```
Start at: 2019-10-03 06:07:12
End at: 2019-10-03 06:07:42
Local clock offset: -0.018 ms
Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2019-10-03 10:29:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.181 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.181 ms
Loss rate: 0.39%
```

Run 2: Report of SCReAM — Data Link

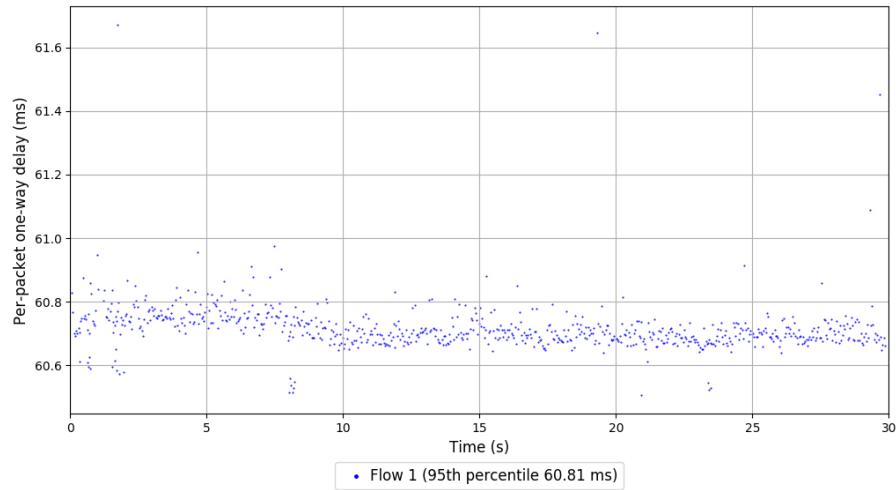
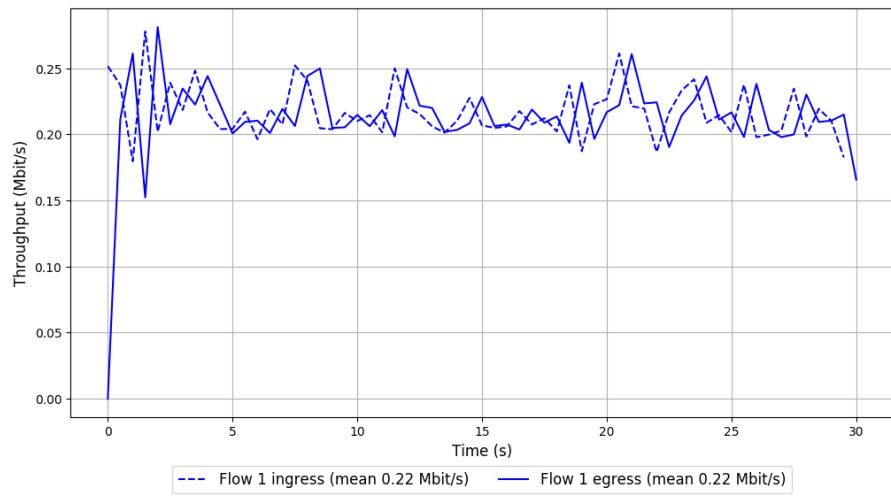


Run 3: Statistics of SCReAM

```
Start at: 2019-10-03 06:41:46
End at: 2019-10-03 06:42:17
Local clock offset: -0.08 ms
Remote clock offset: -0.676 ms

# Below is generated by plot.py at 2019-10-03 10:29:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.808 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.808 ms
Loss rate: 0.38%
```

Run 3: Report of SCReAM — Data Link

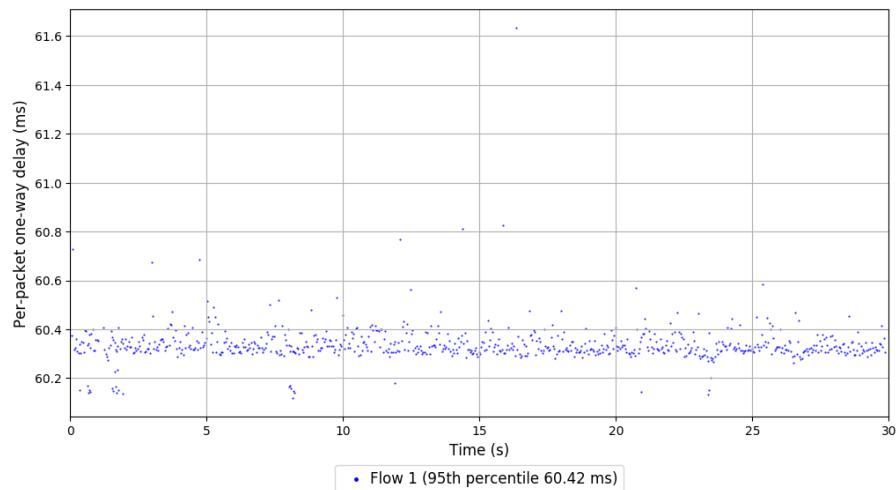
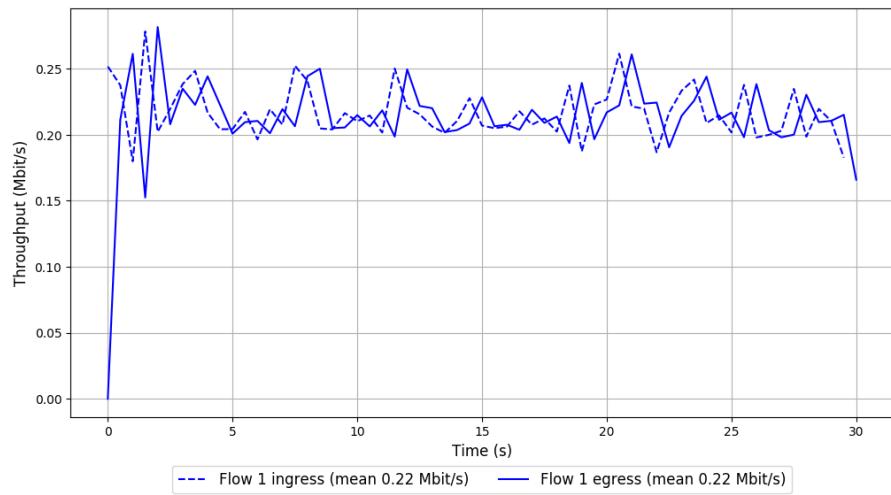


Run 4: Statistics of SCReAM

```
Start at: 2019-10-03 07:16:46
End at: 2019-10-03 07:17:16
Local clock offset: -0.05 ms
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2019-10-03 10:29:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.423 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.423 ms
Loss rate: 0.38%
```

Run 4: Report of SCReAM — Data Link

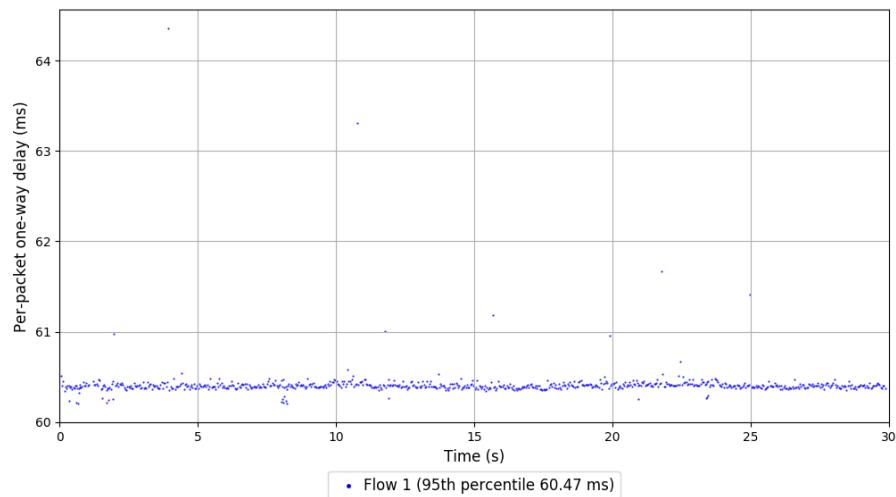
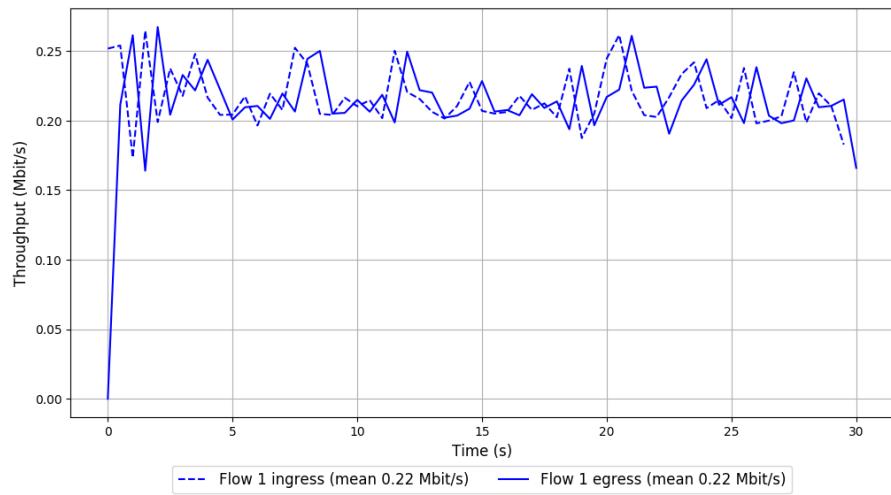


Run 5: Statistics of SCReAM

```
Start at: 2019-10-03 07:51:28
End at: 2019-10-03 07:51:58
Local clock offset: -0.055 ms
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2019-10-03 10:29:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.466 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 60.466 ms
Loss rate: 0.38%
```

Run 5: Report of SCReAM — Data Link

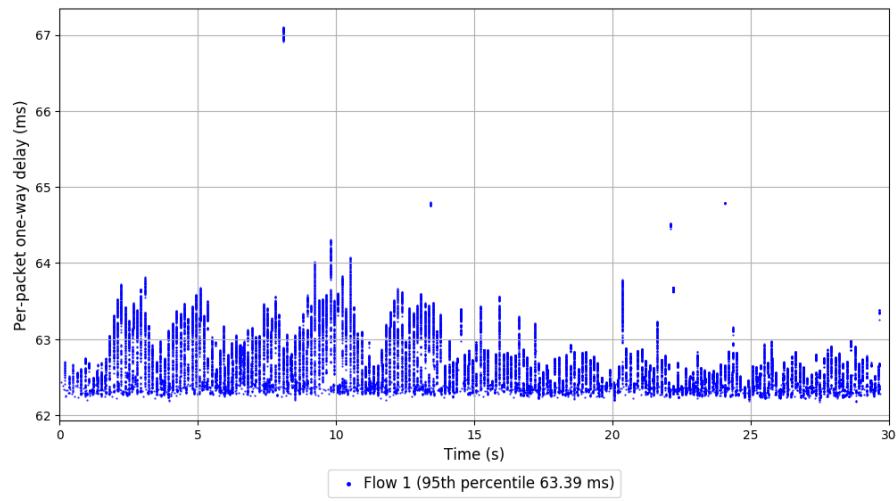
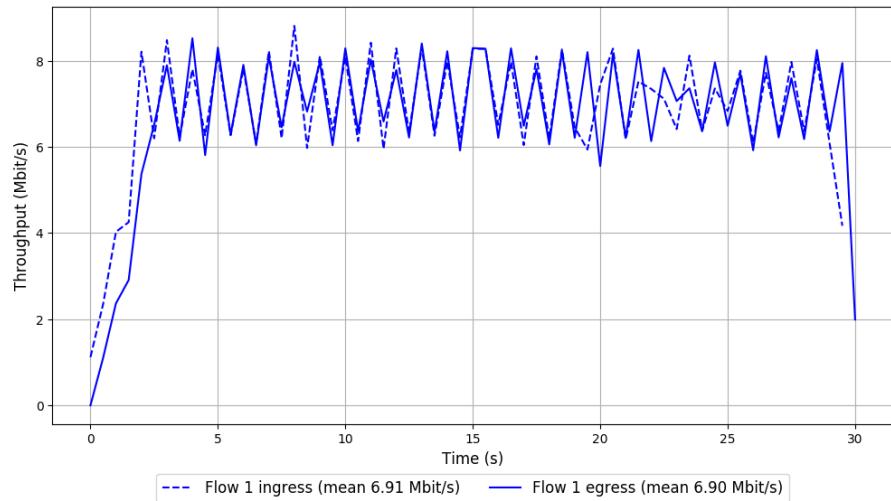


Run 1: Statistics of Sprout

```
Start at: 2019-10-03 06:06:03
End at: 2019-10-03 06:06:33
Local clock offset: -0.011 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2019-10-03 10:29:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 63.388 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 6.90 Mbit/s
95th percentile per-packet one-way delay: 63.388 ms
Loss rate: 0.53%
```

Run 1: Report of Sprout — Data Link

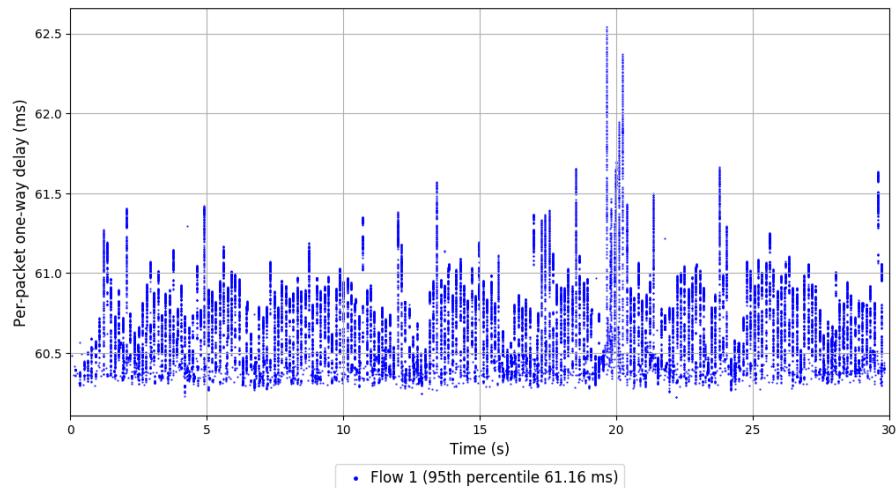
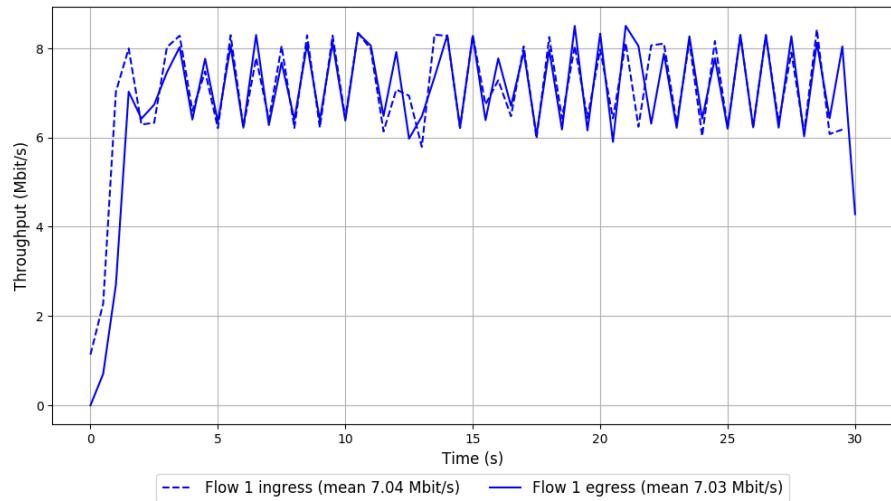


Run 2: Statistics of Sprout

```
Start at: 2019-10-03 06:40:38
End at: 2019-10-03 06:41:08
Local clock offset: -0.062 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2019-10-03 10:29:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 61.159 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 7.03 Mbit/s
95th percentile per-packet one-way delay: 61.159 ms
Loss rate: 0.46%
```

Run 2: Report of Sprout — Data Link

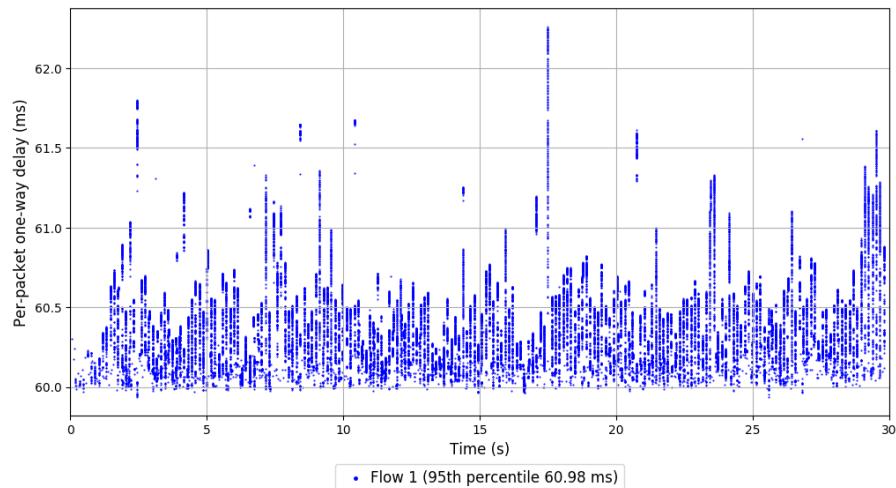
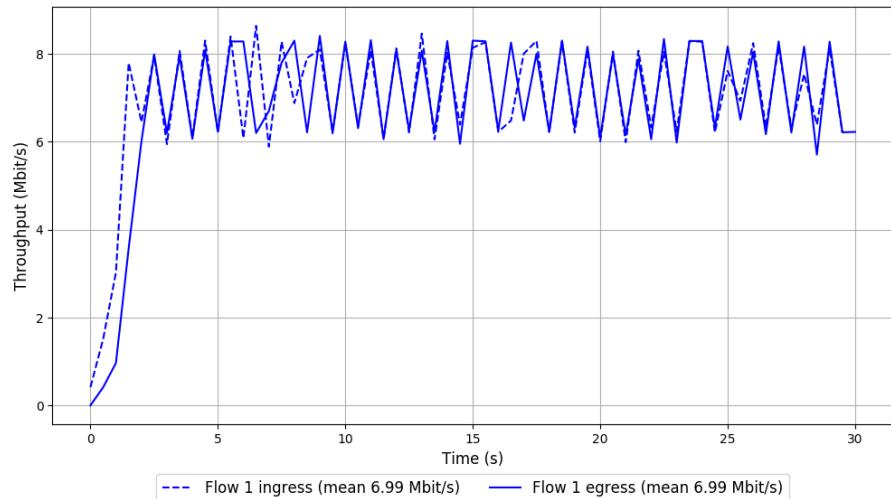


Run 3: Statistics of Sprout

```
Start at: 2019-10-03 07:15:37
End at: 2019-10-03 07:16:07
Local clock offset: -0.028 ms
Remote clock offset: -0.069 ms

# Below is generated by plot.py at 2019-10-03 10:29:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.99 Mbit/s
95th percentile per-packet one-way delay: 60.985 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 6.99 Mbit/s
95th percentile per-packet one-way delay: 60.985 ms
Loss rate: 0.49%
```

Run 3: Report of Sprout — Data Link

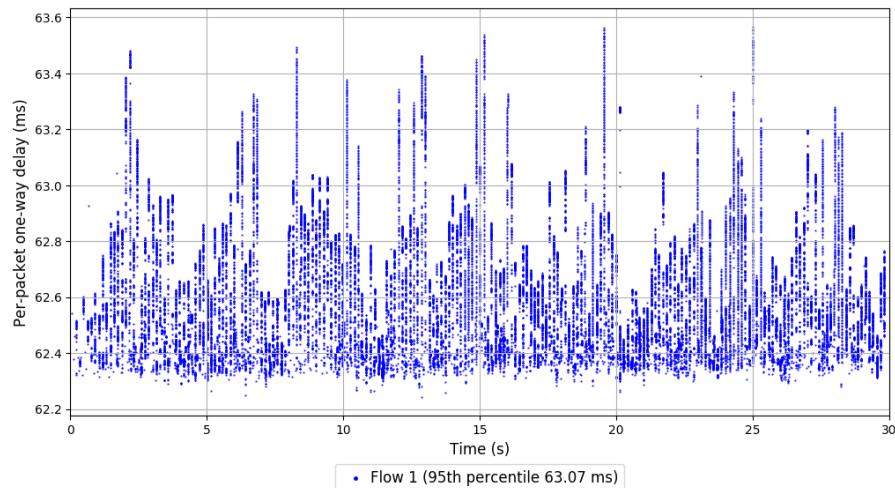
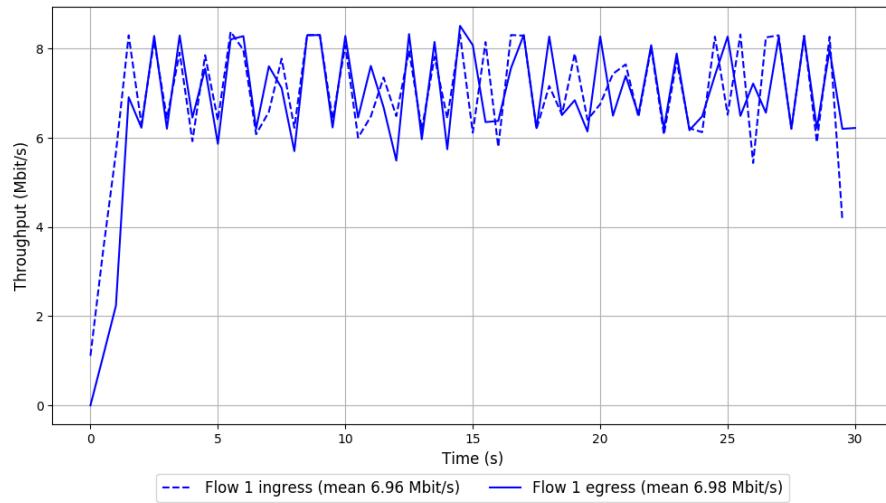


Run 4: Statistics of Sprout

```
Start at: 2019-10-03 07:50:19
End at: 2019-10-03 07:50:49
Local clock offset: -0.077 ms
Remote clock offset: -0.189 ms

# Below is generated by plot.py at 2019-10-03 10:29:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 63.070 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 6.98 Mbit/s
95th percentile per-packet one-way delay: 63.070 ms
Loss rate: 0.03%
```

Run 4: Report of Sprout — Data Link

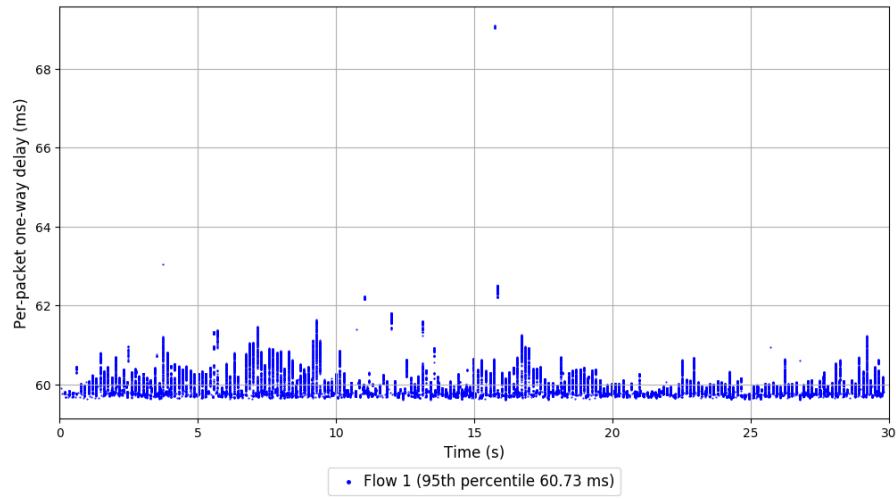
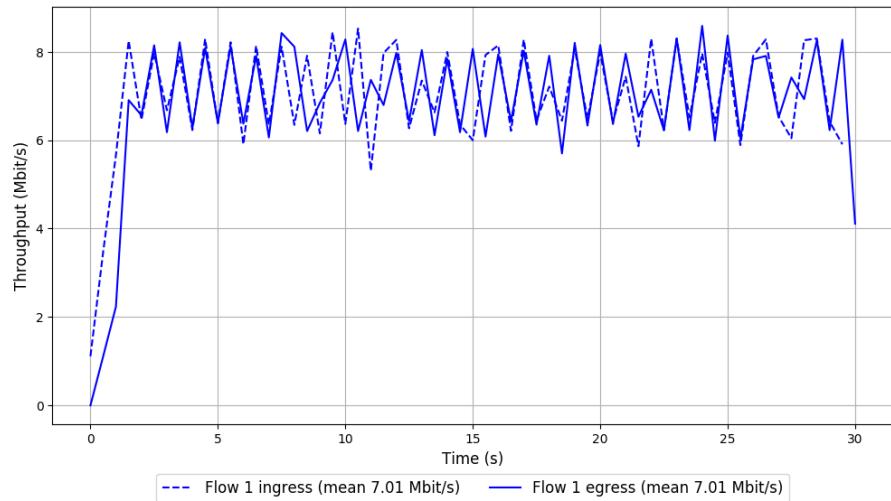


Run 5: Statistics of Sprout

```
Start at: 2019-10-03 08:24:57
End at: 2019-10-03 08:25:27
Local clock offset: -0.017 ms
Remote clock offset: -0.008 ms

# Below is generated by plot.py at 2019-10-03 10:29:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 60.725 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 7.01 Mbit/s
95th percentile per-packet one-way delay: 60.725 ms
Loss rate: 0.48%
```

Run 5: Report of Sprout — Data Link

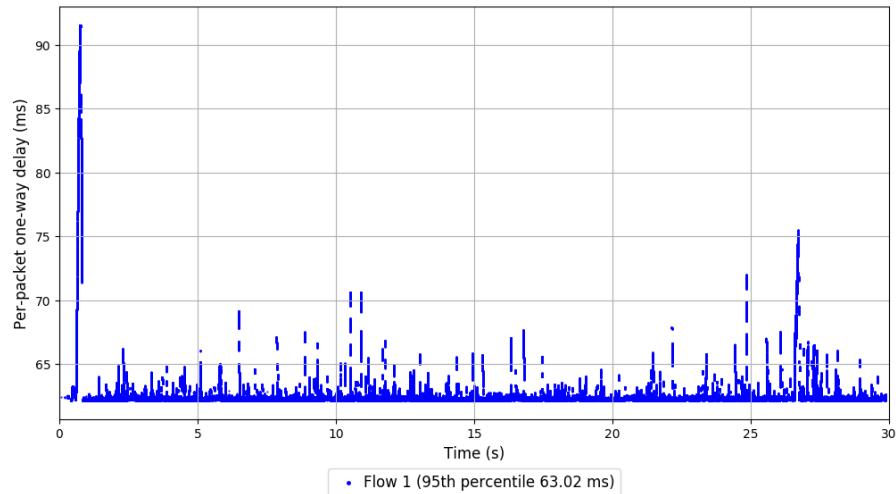
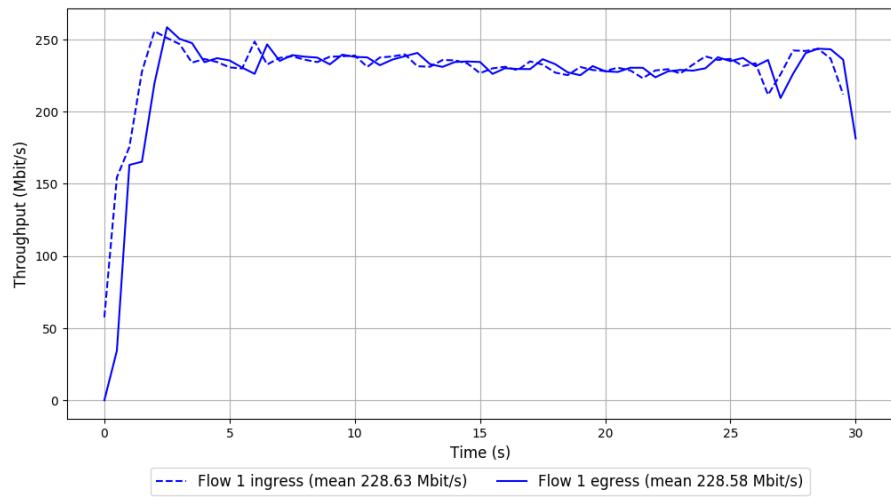


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-10-03 05:41:42
End at: 2019-10-03 05:42:12
Local clock offset: 0.041 ms
Remote clock offset: -0.173 ms

# Below is generated by plot.py at 2019-10-03 10:30:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 228.58 Mbit/s
95th percentile per-packet one-way delay: 63.021 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 228.58 Mbit/s
95th percentile per-packet one-way delay: 63.021 ms
Loss rate: 0.44%
```

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

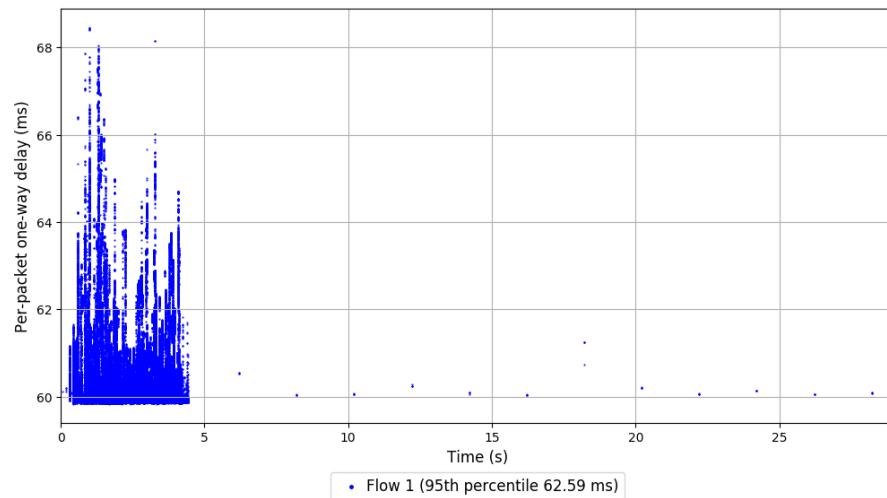
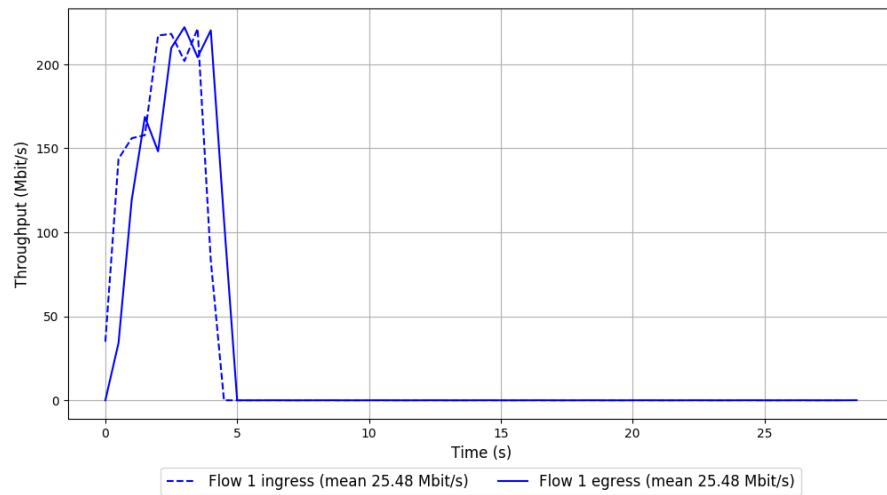


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-10-03 06:16:06
End at: 2019-10-03 06:16:36
Local clock offset: -0.067 ms
Remote clock offset: 0.024 ms

# Below is generated by plot.py at 2019-10-03 10:30:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 25.48 Mbit/s
95th percentile per-packet one-way delay: 62.592 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 25.48 Mbit/s
95th percentile per-packet one-way delay: 62.592 ms
Loss rate: 0.00%
```

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

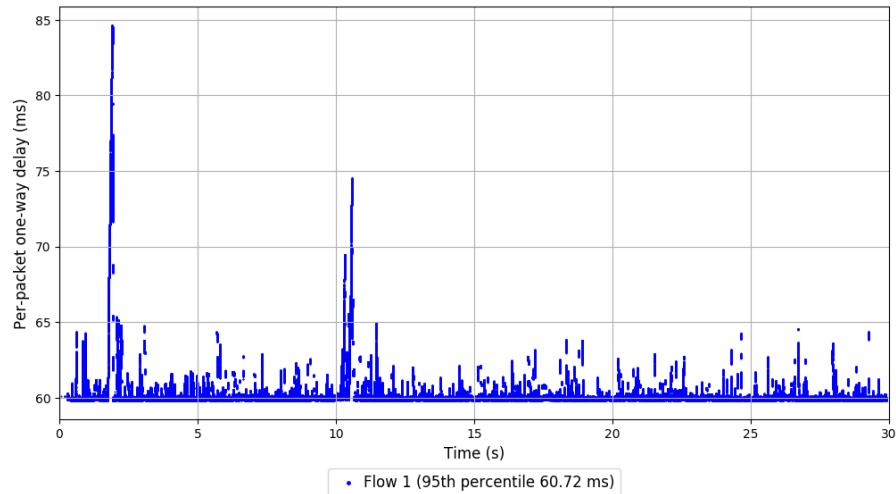
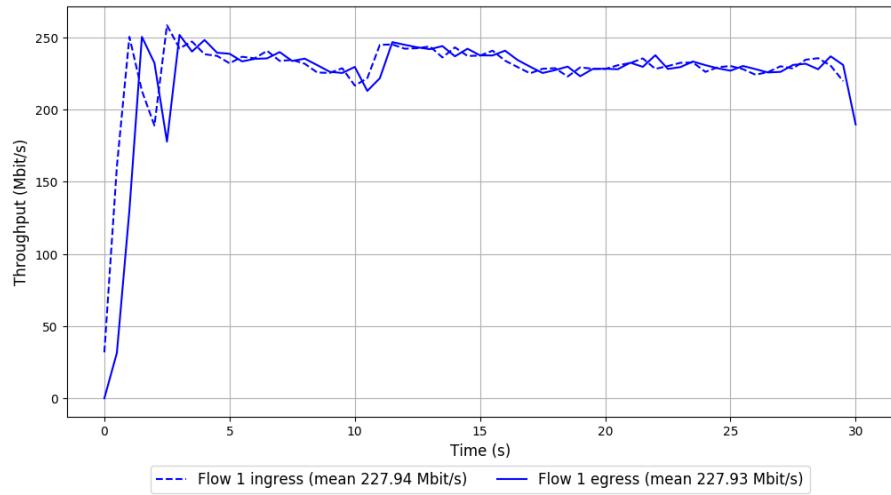


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-10-03 06:50:45
End at: 2019-10-03 06:51:15
Local clock offset: -0.066 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2019-10-03 10:30:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 227.93 Mbit/s
95th percentile per-packet one-way delay: 60.719 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 227.93 Mbit/s
95th percentile per-packet one-way delay: 60.719 ms
Loss rate: 0.42%
```

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

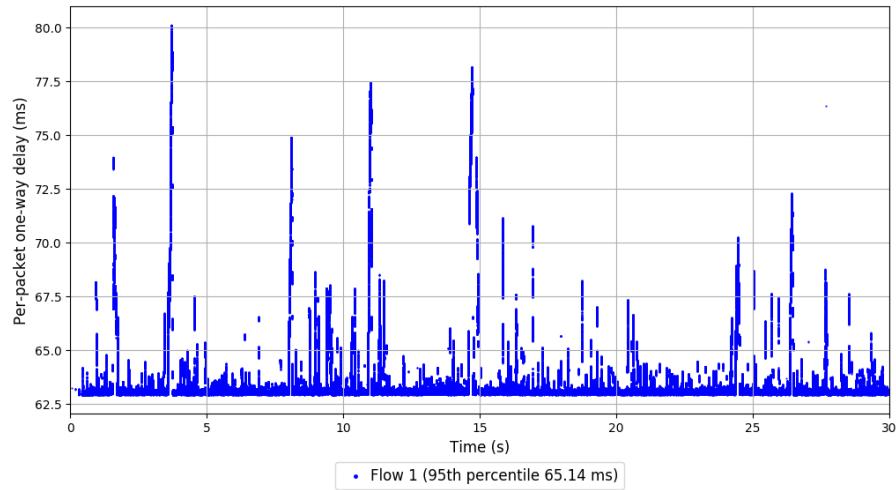
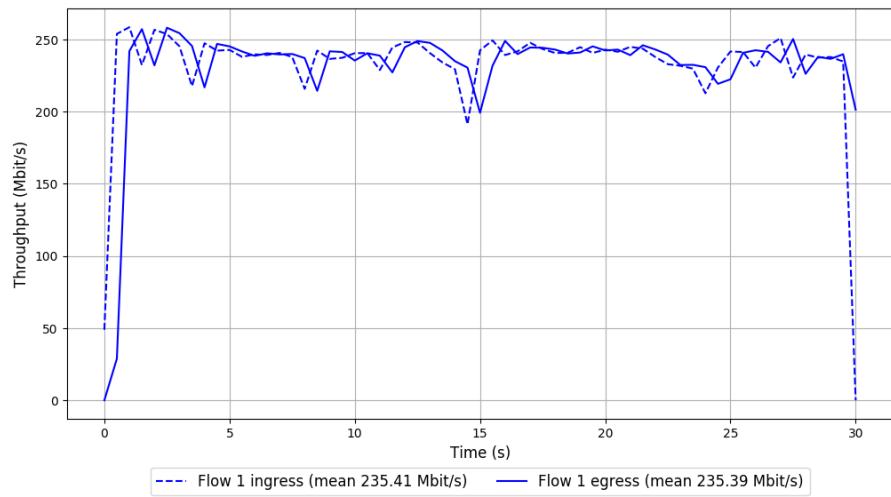


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-10-03 07:25:38
End at: 2019-10-03 07:26:08
Local clock offset: -0.067 ms
Remote clock offset: -0.179 ms

# Below is generated by plot.py at 2019-10-03 10:31:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 235.39 Mbit/s
95th percentile per-packet one-way delay: 65.139 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 235.39 Mbit/s
95th percentile per-packet one-way delay: 65.139 ms
Loss rate: 0.44%
```

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

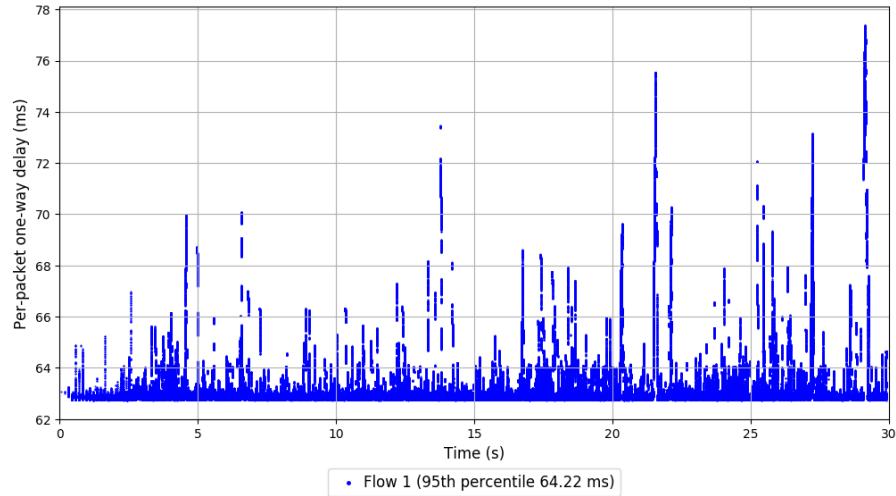
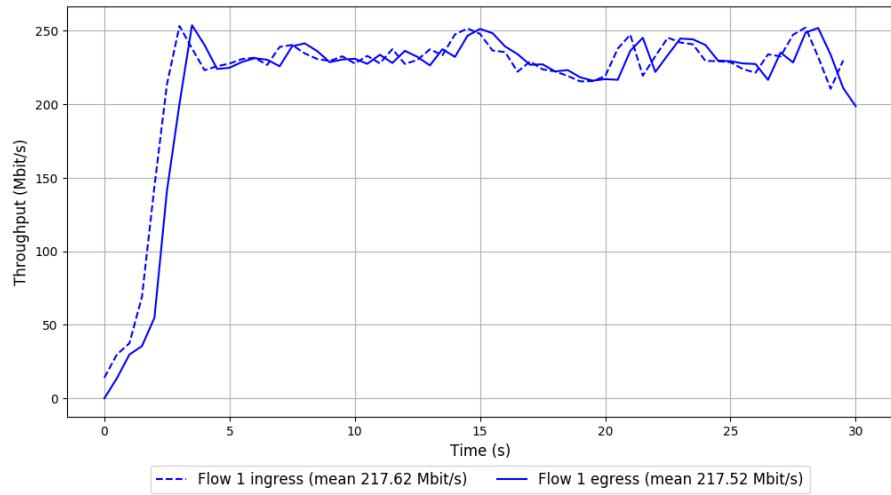


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-10-03 08:00:25
End at: 2019-10-03 08:00:55
Local clock offset: -0.063 ms
Remote clock offset: -0.587 ms

# Below is generated by plot.py at 2019-10-03 10:31:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.52 Mbit/s
95th percentile per-packet one-way delay: 64.218 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 217.52 Mbit/s
95th percentile per-packet one-way delay: 64.218 ms
Loss rate: 0.47%
```

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

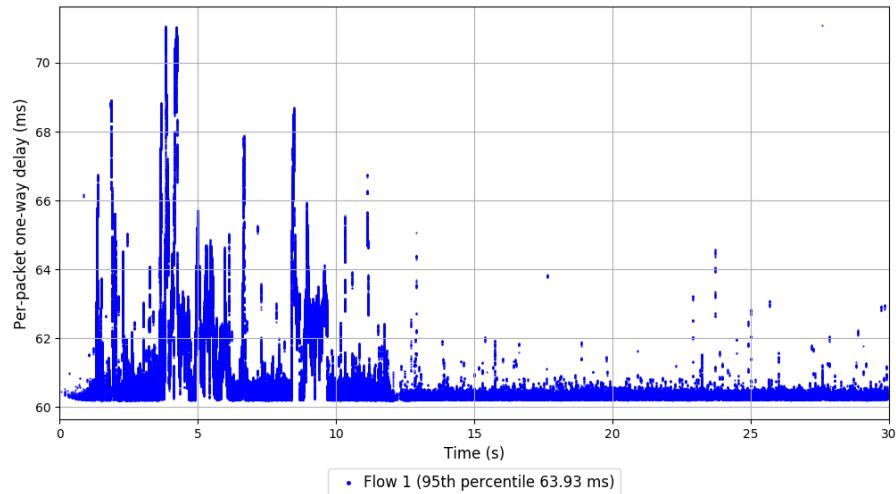
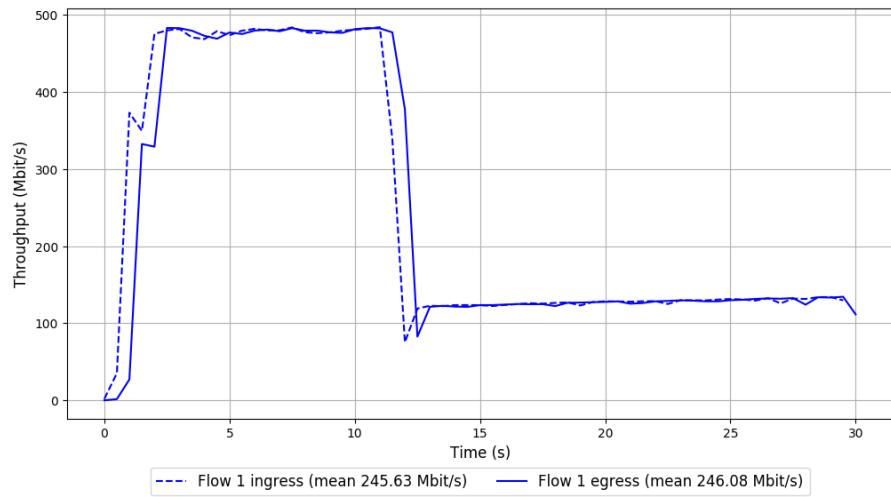


Run 1: Statistics of TCP Vegas

```
Start at: 2019-10-03 05:48:00
End at: 2019-10-03 05:48:30
Local clock offset: 0.063 ms
Remote clock offset: -0.093 ms

# Below is generated by plot.py at 2019-10-03 10:31:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 246.08 Mbit/s
95th percentile per-packet one-way delay: 63.927 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 246.08 Mbit/s
95th percentile per-packet one-way delay: 63.927 ms
Loss rate: 0.22%
```

Run 1: Report of TCP Vegas — Data Link

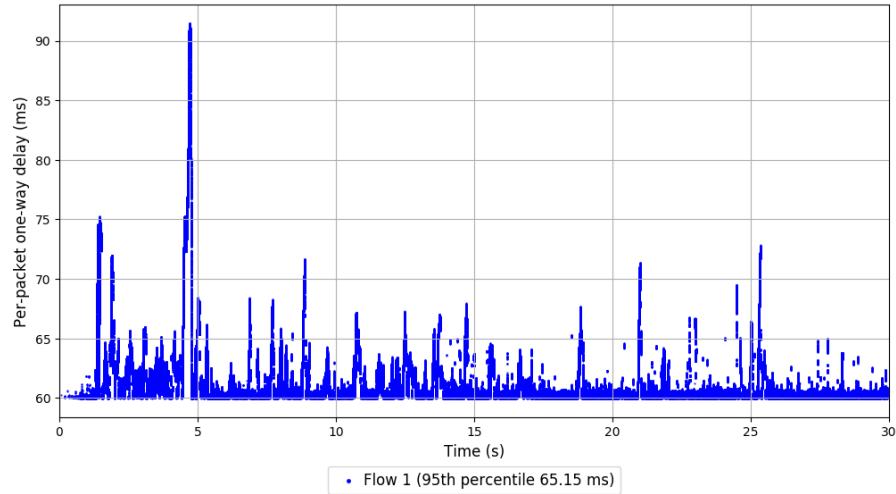
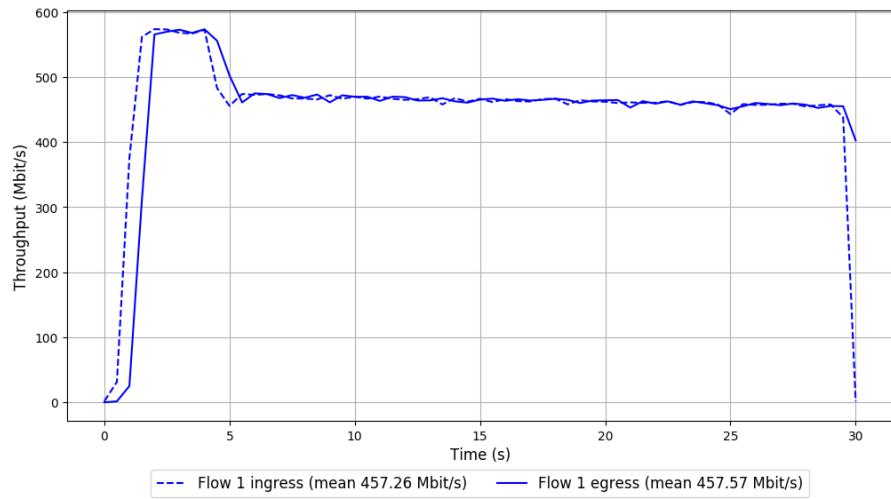


Run 2: Statistics of TCP Vegas

```
Start at: 2019-10-03 06:22:20
End at: 2019-10-03 06:22:50
Local clock offset: -0.077 ms
Remote clock offset: -0.226 ms

# Below is generated by plot.py at 2019-10-03 10:33:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 457.57 Mbit/s
95th percentile per-packet one-way delay: 65.151 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 457.57 Mbit/s
95th percentile per-packet one-way delay: 65.151 ms
Loss rate: 0.35%
```

Run 2: Report of TCP Vegas — Data Link

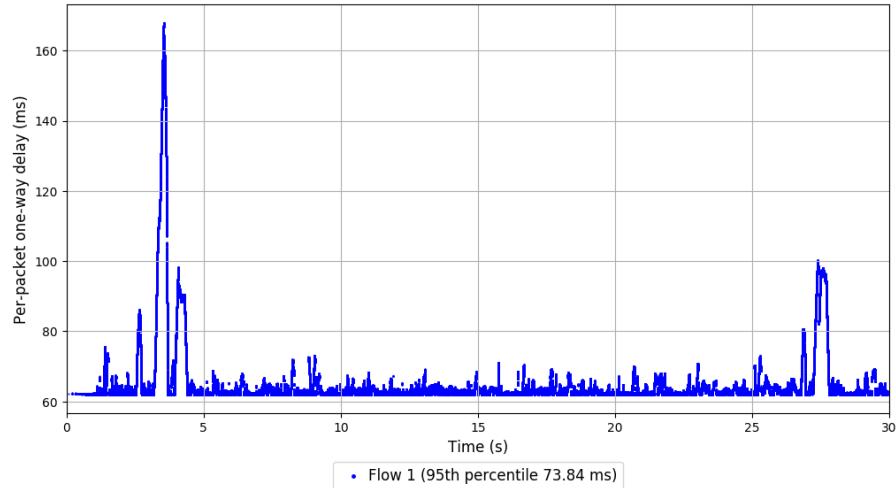
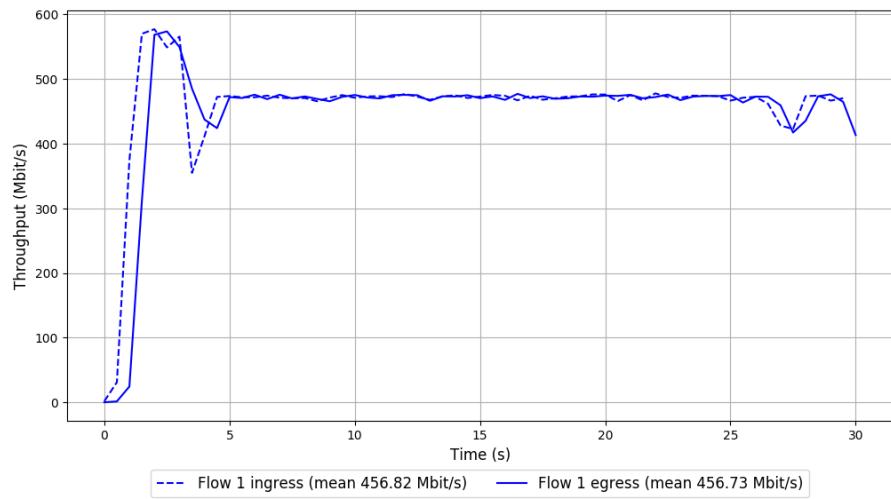


Run 3: Statistics of TCP Vegas

```
Start at: 2019-10-03 06:57:24
End at: 2019-10-03 06:57:54
Local clock offset: -0.076 ms
Remote clock offset: 0.03 ms

# Below is generated by plot.py at 2019-10-03 10:35:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 456.73 Mbit/s
95th percentile per-packet one-way delay: 73.837 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 456.73 Mbit/s
95th percentile per-packet one-way delay: 73.837 ms
Loss rate: 0.43%
```

Run 3: Report of TCP Vegas — Data Link

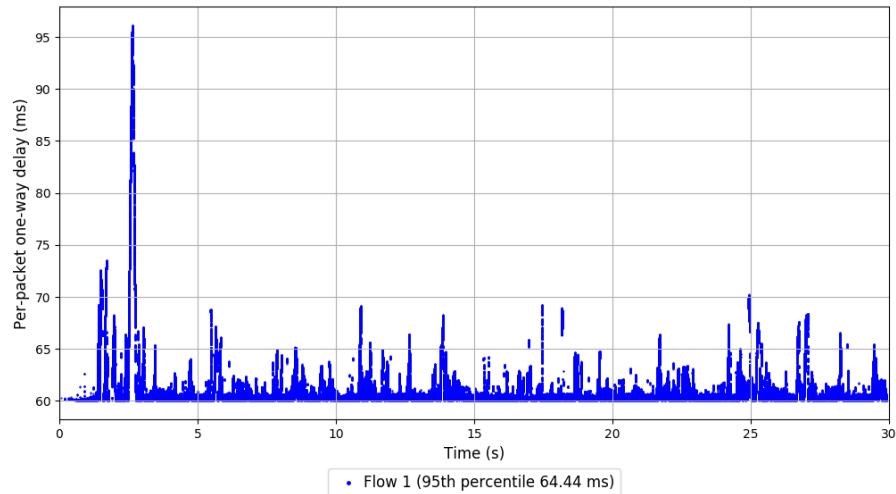
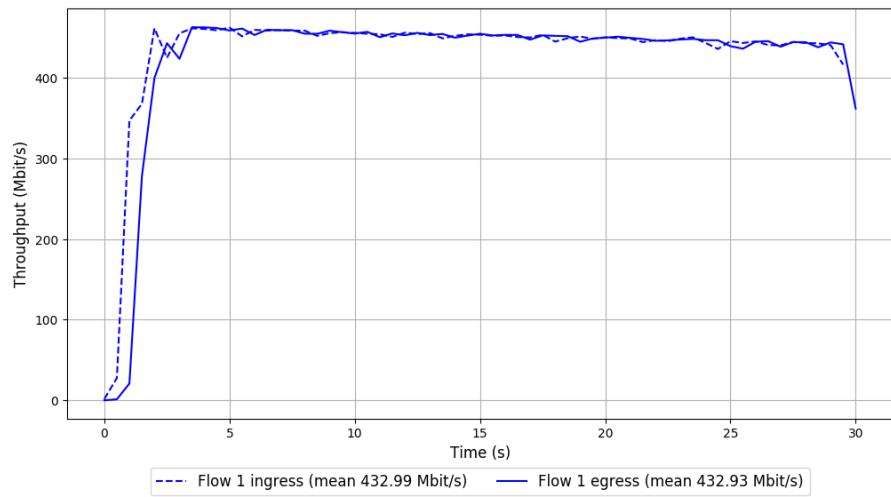


Run 4: Statistics of TCP Vegas

```
Start at: 2019-10-03 07:32:06
End at: 2019-10-03 07:32:36
Local clock offset: -0.024 ms
Remote clock offset: -0.274 ms

# Below is generated by plot.py at 2019-10-03 10:36:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 432.93 Mbit/s
95th percentile per-packet one-way delay: 64.442 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 432.93 Mbit/s
95th percentile per-packet one-way delay: 64.442 ms
Loss rate: 0.43%
```

Run 4: Report of TCP Vegas — Data Link

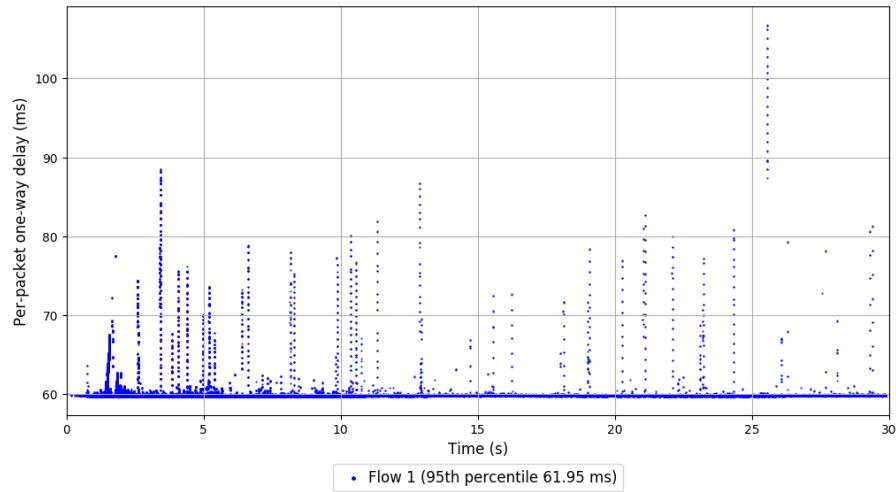
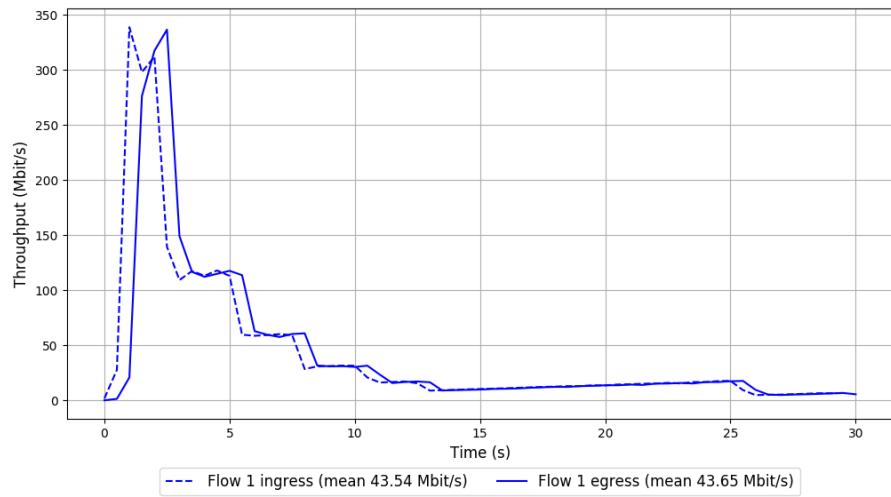


Run 5: Statistics of TCP Vegas

```
Start at: 2019-10-03 08:06:54
End at: 2019-10-03 08:07:24
Local clock offset: -0.046 ms
Remote clock offset: -0.14 ms

# Below is generated by plot.py at 2019-10-03 10:36:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.65 Mbit/s
95th percentile per-packet one-way delay: 61.947 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 43.65 Mbit/s
95th percentile per-packet one-way delay: 61.947 ms
Loss rate: 0.17%
```

Run 5: Report of TCP Vegas — Data Link

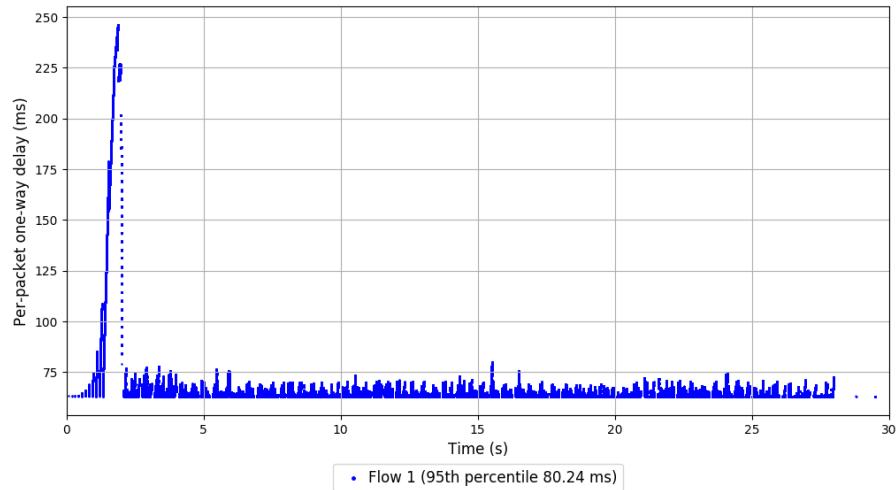
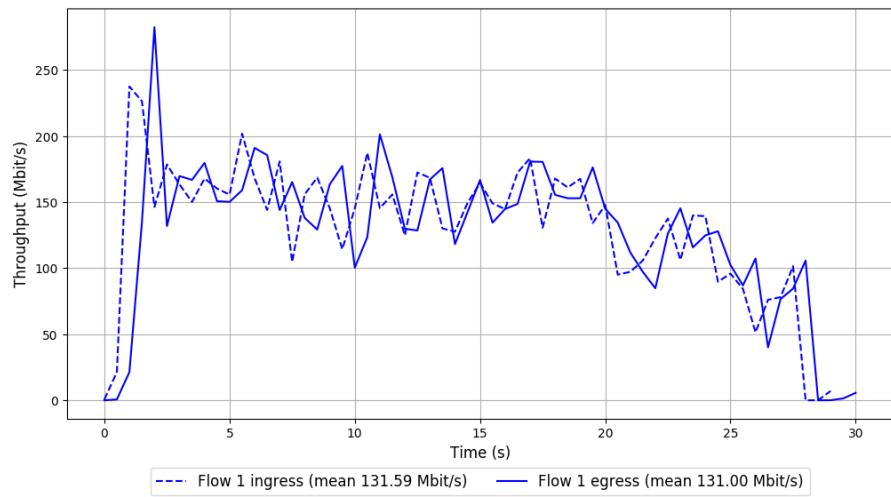


Run 1: Statistics of Verus

```
Start at: 2019-10-03 05:46:40
End at: 2019-10-03 05:47:10
Local clock offset: 0.061 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2019-10-03 10:36:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 131.00 Mbit/s
95th percentile per-packet one-way delay: 80.238 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 131.00 Mbit/s
95th percentile per-packet one-way delay: 80.238 ms
Loss rate: 0.45%
```

Run 1: Report of Verus — Data Link

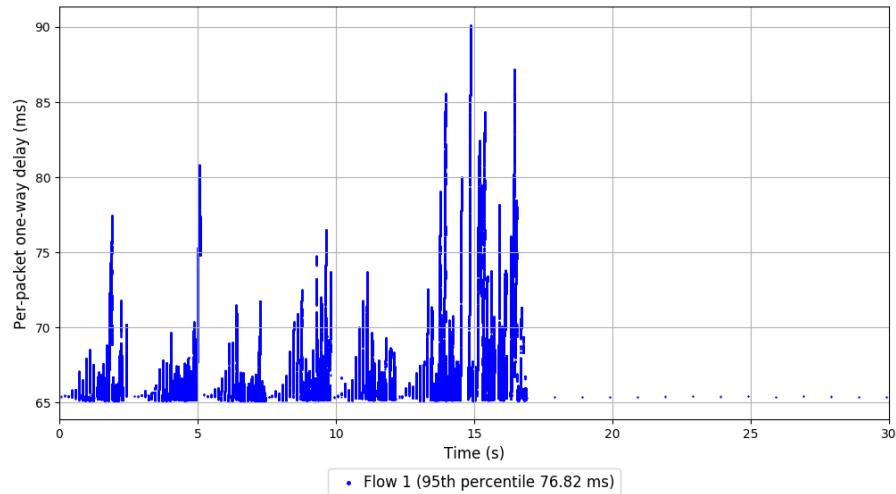
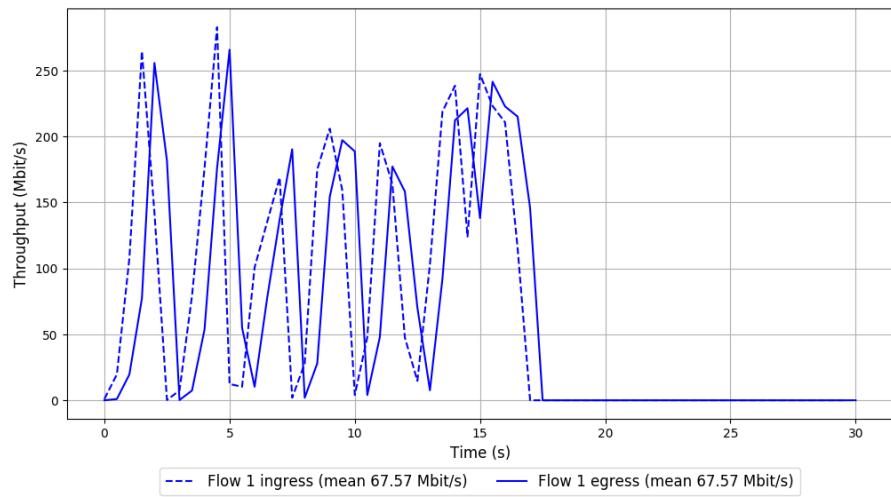


Run 2: Statistics of Verus

```
Start at: 2019-10-03 06:21:05
End at: 2019-10-03 06:21:35
Local clock offset: -0.093 ms
Remote clock offset: 0.278 ms

# Below is generated by plot.py at 2019-10-03 10:36:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.57 Mbit/s
95th percentile per-packet one-way delay: 76.819 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 67.57 Mbit/s
95th percentile per-packet one-way delay: 76.819 ms
Loss rate: 0.00%
```

Run 2: Report of Verus — Data Link

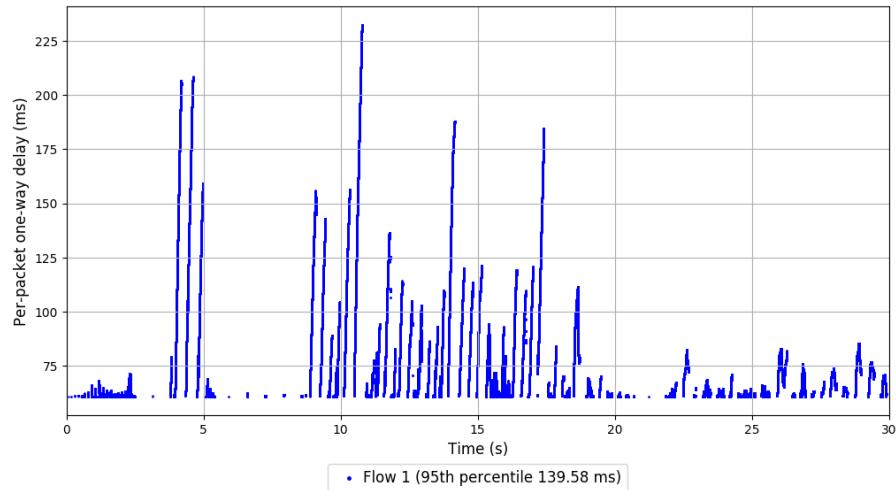
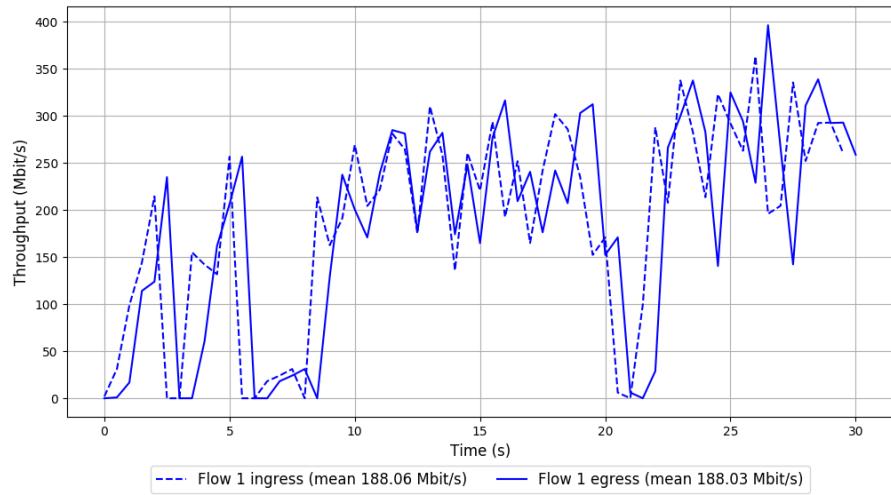


Run 3: Statistics of Verus

```
Start at: 2019-10-03 06:56:02
End at: 2019-10-03 06:56:32
Local clock offset: -0.081 ms
Remote clock offset: -0.877 ms

# Below is generated by plot.py at 2019-10-03 10:37:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 188.03 Mbit/s
95th percentile per-packet one-way delay: 139.579 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 188.03 Mbit/s
95th percentile per-packet one-way delay: 139.579 ms
Loss rate: 0.02%
```

Run 3: Report of Verus — Data Link

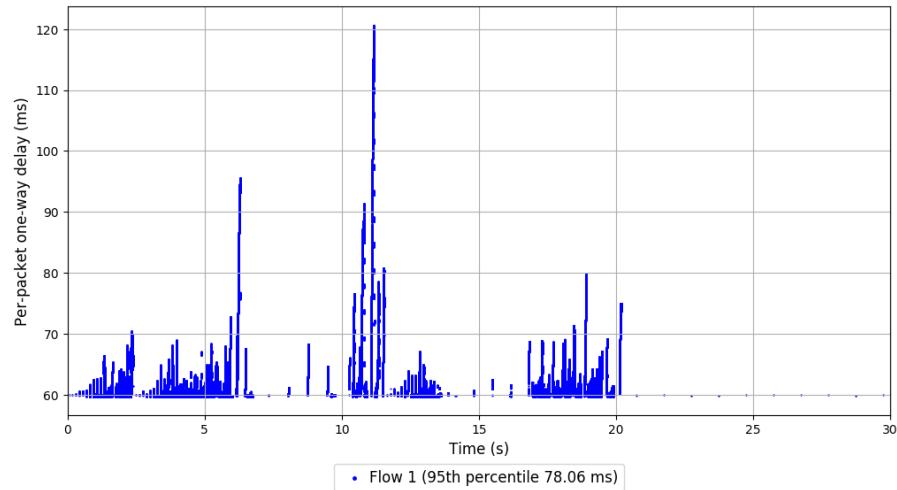
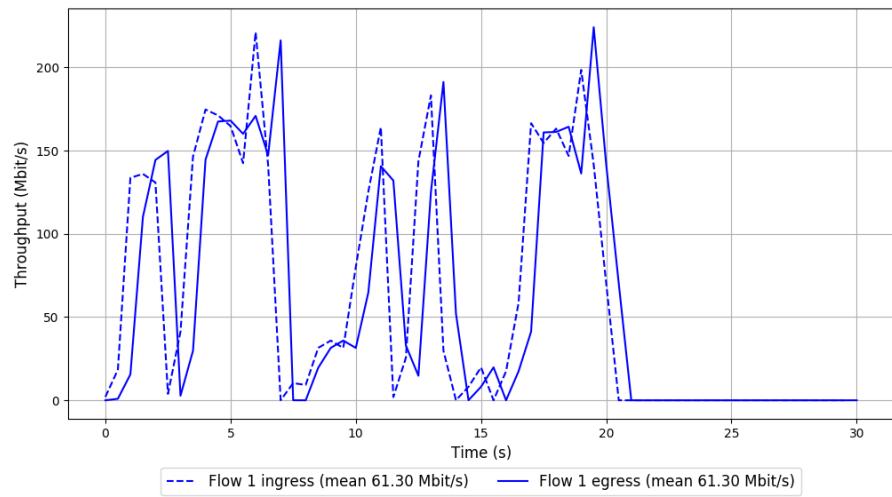


Run 4: Statistics of Verus

```
Start at: 2019-10-03 07:30:52
End at: 2019-10-03 07:31:22
Local clock offset: -0.064 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2019-10-03 10:37:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.30 Mbit/s
95th percentile per-packet one-way delay: 78.058 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 61.30 Mbit/s
95th percentile per-packet one-way delay: 78.058 ms
Loss rate: 0.00%
```

Run 4: Report of Verus — Data Link

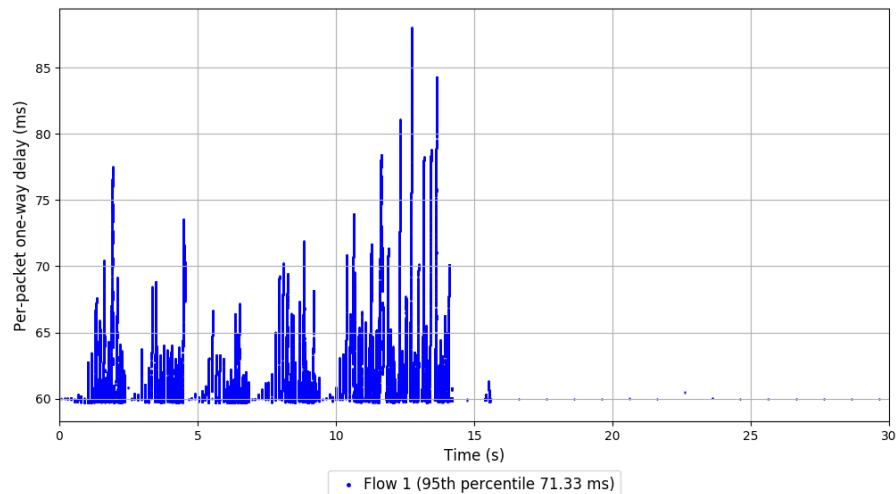
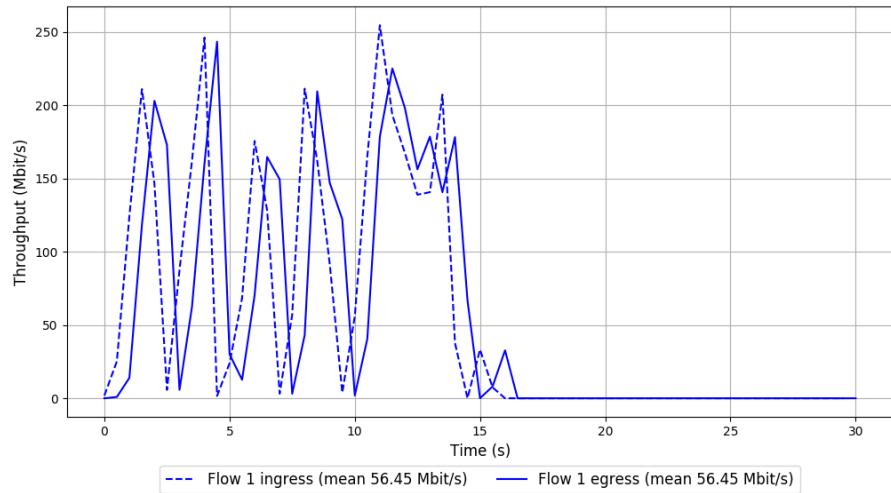


Run 5: Statistics of Verus

```
Start at: 2019-10-03 08:05:40
End at: 2019-10-03 08:06:10
Local clock offset: -0.02 ms
Remote clock offset: -0.009 ms

# Below is generated by plot.py at 2019-10-03 10:37:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.45 Mbit/s
95th percentile per-packet one-way delay: 71.327 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 56.45 Mbit/s
95th percentile per-packet one-way delay: 71.327 ms
Loss rate: 0.00%
```

Run 5: Report of Verus — Data Link

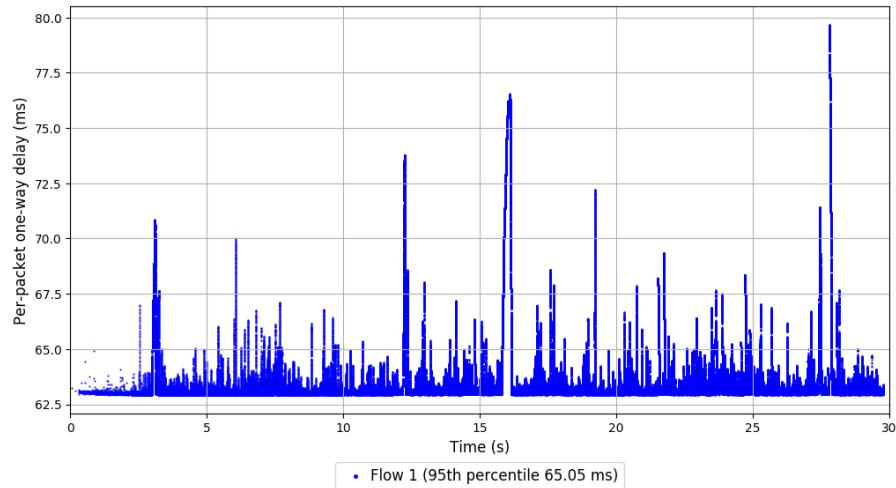
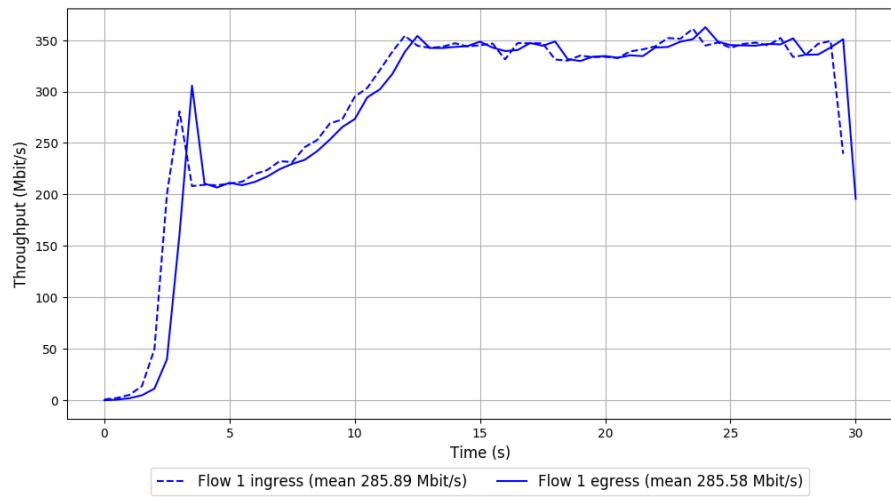


Run 1: Statistics of PCC-Vivace

```
Start at: 2019-10-03 05:56:50
End at: 2019-10-03 05:57:20
Local clock offset: 0.051 ms
Remote clock offset: -0.094 ms

# Below is generated by plot.py at 2019-10-03 10:38:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 285.58 Mbit/s
95th percentile per-packet one-way delay: 65.049 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 285.58 Mbit/s
95th percentile per-packet one-way delay: 65.049 ms
Loss rate: 0.52%
```

Run 1: Report of PCC-Vivace — Data Link

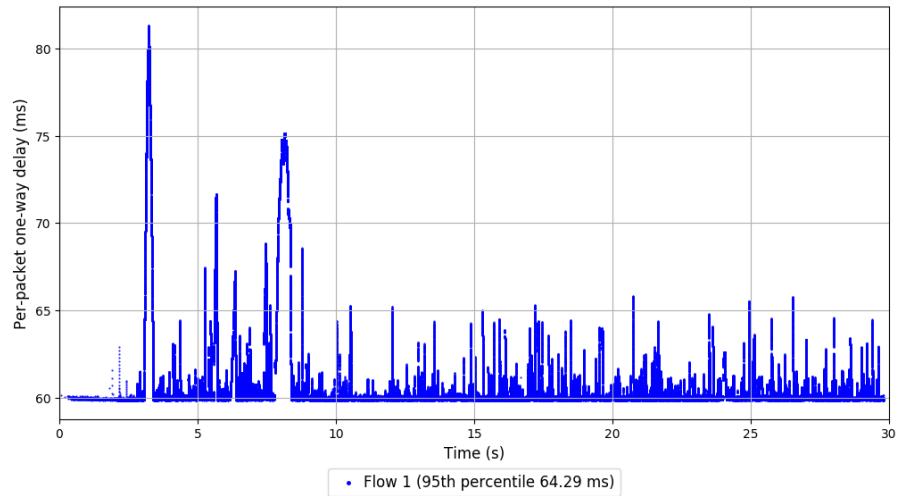
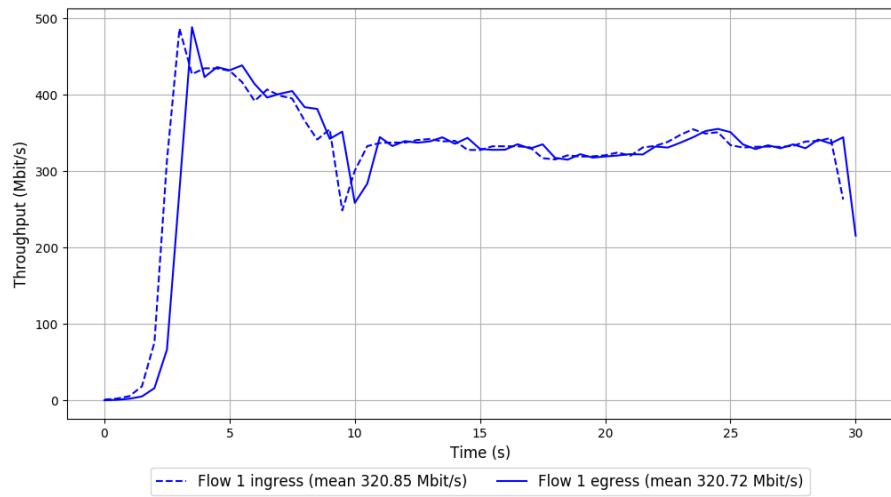


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-10-03 06:31:17
End at: 2019-10-03 06:31:47
Local clock offset: -0.103 ms
Remote clock offset: -0.055 ms

# Below is generated by plot.py at 2019-10-03 10:38:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 320.72 Mbit/s
95th percentile per-packet one-way delay: 64.289 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 320.72 Mbit/s
95th percentile per-packet one-way delay: 64.289 ms
Loss rate: 0.46%
```

Run 2: Report of PCC-Vivace — Data Link

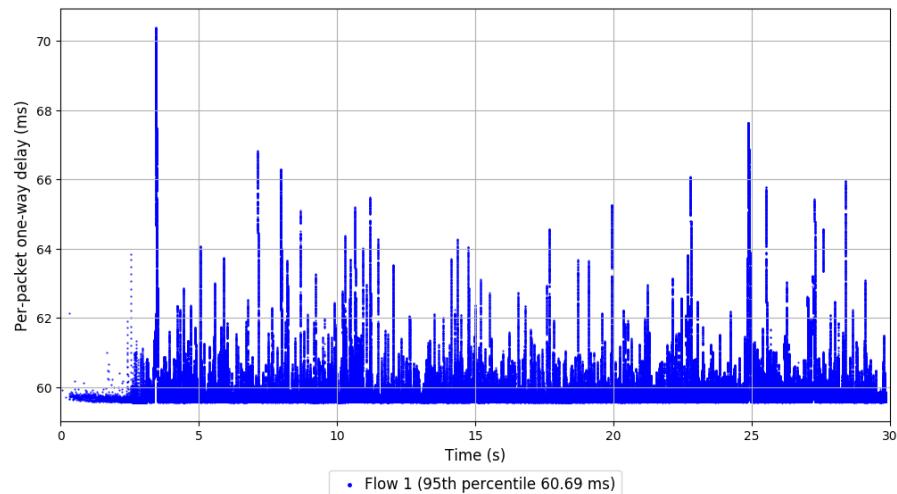
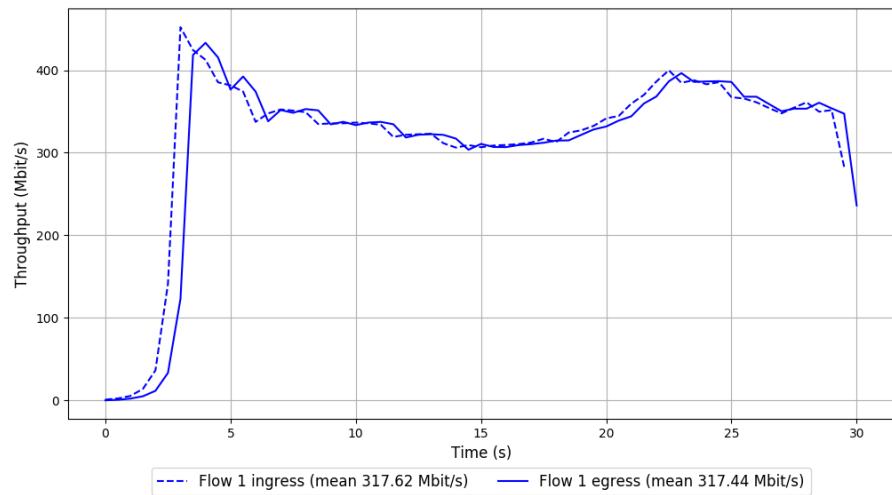


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-10-03 07:06:14
End at: 2019-10-03 07:06:44
Local clock offset: -0.062 ms
Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2019-10-03 10:38:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 317.44 Mbit/s
95th percentile per-packet one-way delay: 60.686 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 317.44 Mbit/s
95th percentile per-packet one-way delay: 60.686 ms
Loss rate: 0.48%
```

Run 3: Report of PCC-Vivace — Data Link

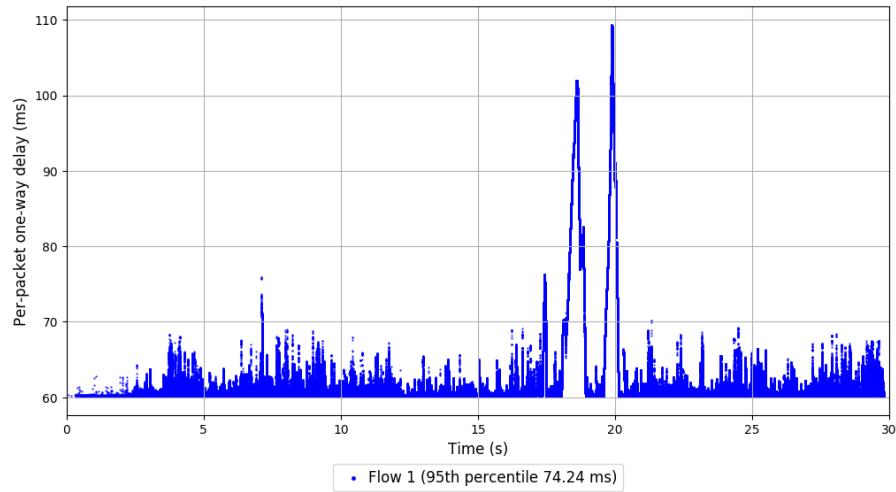
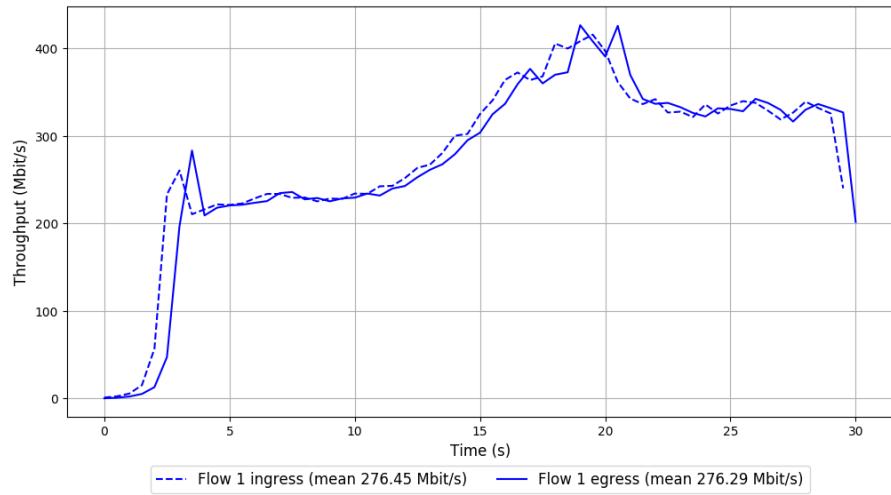


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-10-03 07:41:01
End at: 2019-10-03 07:41:31
Local clock offset: -0.071 ms
Remote clock offset: -0.118 ms

# Below is generated by plot.py at 2019-10-03 10:38:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 276.29 Mbit/s
95th percentile per-packet one-way delay: 74.243 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 276.29 Mbit/s
95th percentile per-packet one-way delay: 74.243 ms
Loss rate: 0.48%
```

Run 4: Report of PCC-Vivace — Data Link

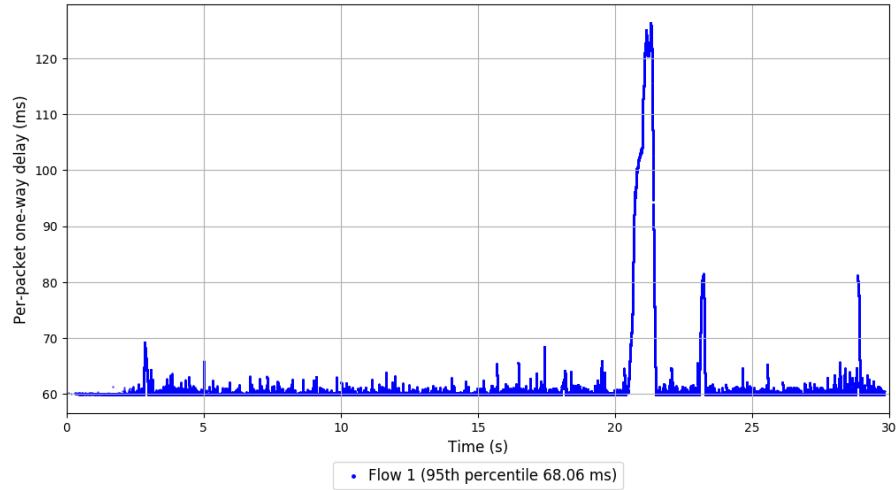
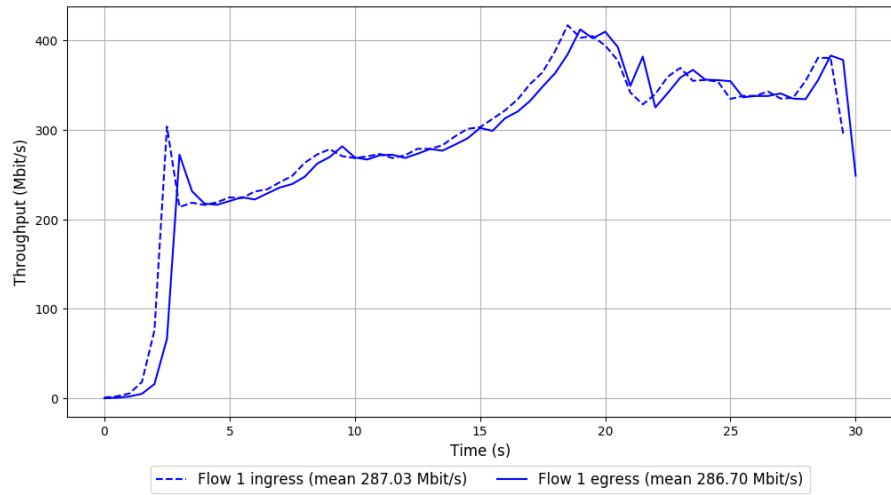


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-10-03 08:15:32
End at: 2019-10-03 08:16:02
Local clock offset: -0.01 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2019-10-03 10:38:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 286.70 Mbit/s
95th percentile per-packet one-way delay: 68.056 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 286.70 Mbit/s
95th percentile per-packet one-way delay: 68.056 ms
Loss rate: 0.52%
```

Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

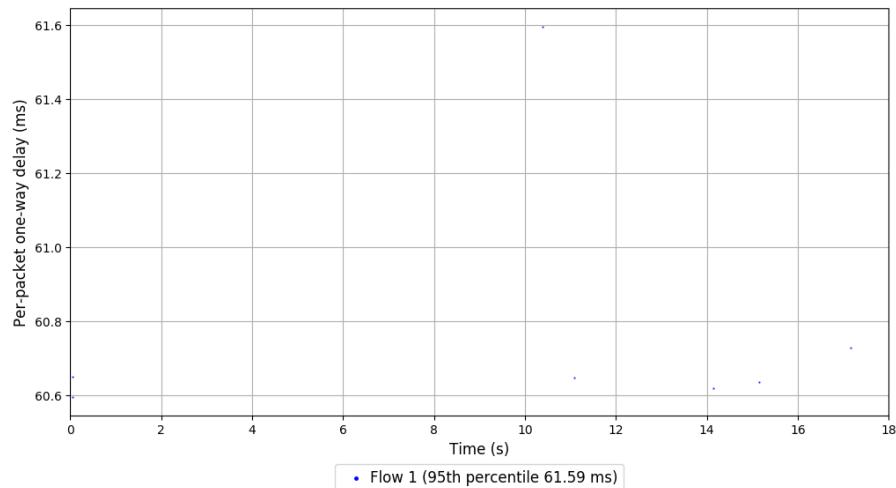
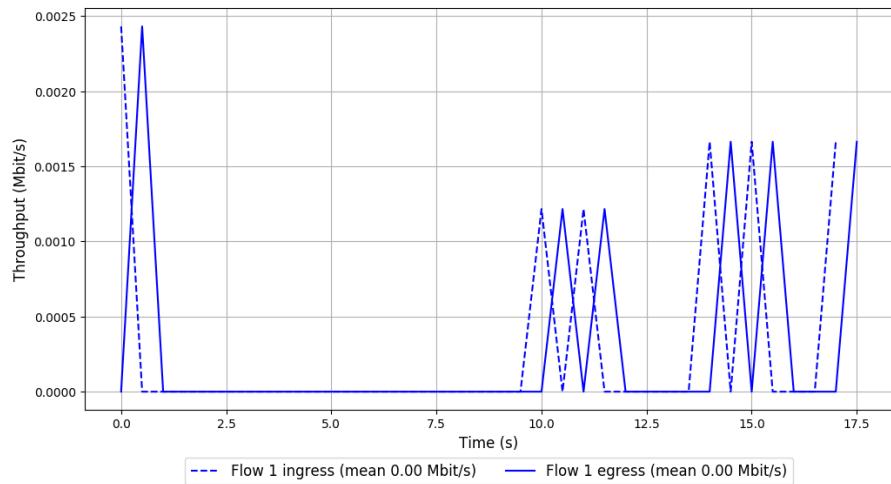
Start at: 2019-10-03 05:44:24

End at: 2019-10-03 05:44:54

Local clock offset: 0.039 ms

Remote clock offset: -0.826 ms

Run 1: Report of WebRTC media — Data Link

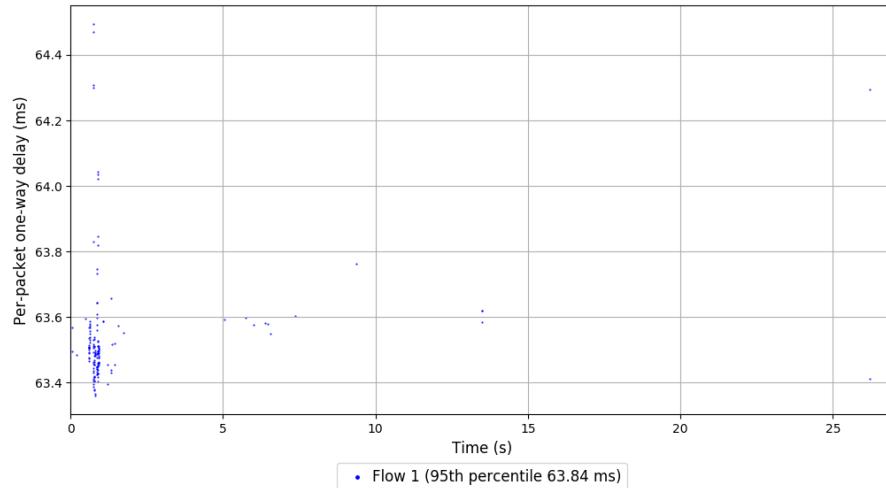
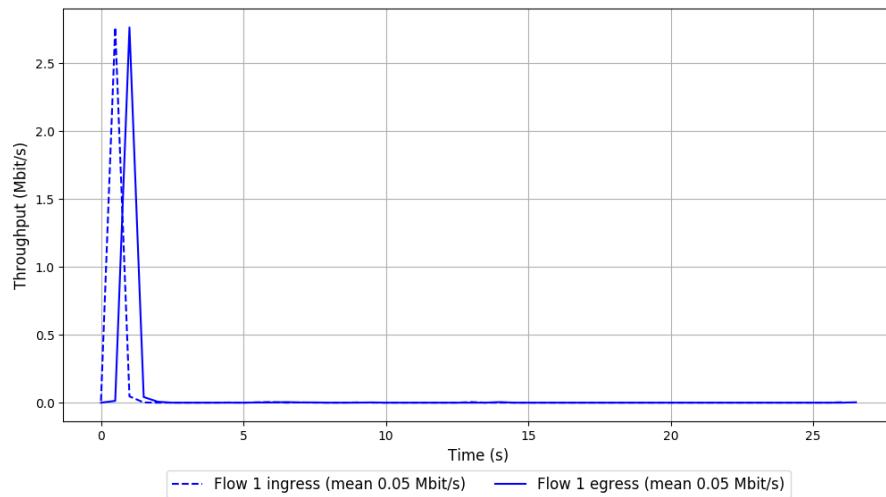


Run 2: Statistics of WebRTC media

```
Start at: 2019-10-03 06:18:46
End at: 2019-10-03 06:19:16
Local clock offset: -0.035 ms
Remote clock offset: -0.413 ms

# Below is generated by plot.py at 2019-10-03 10:38:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.845 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.845 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

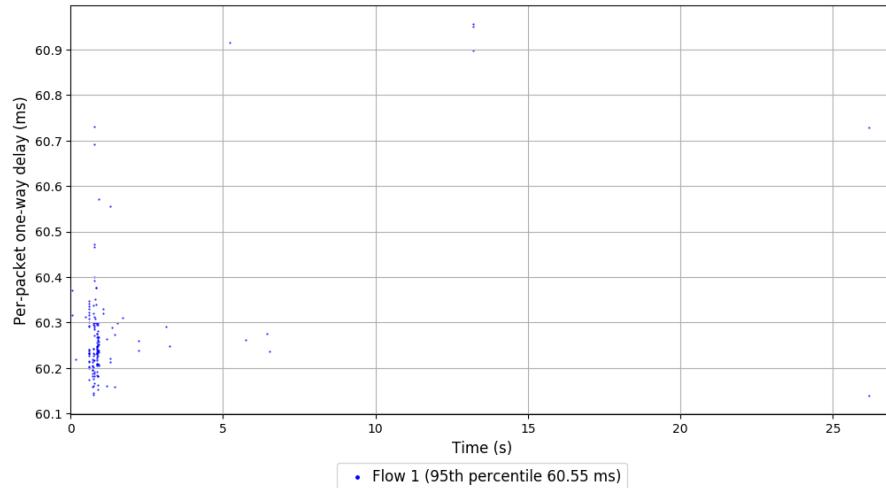
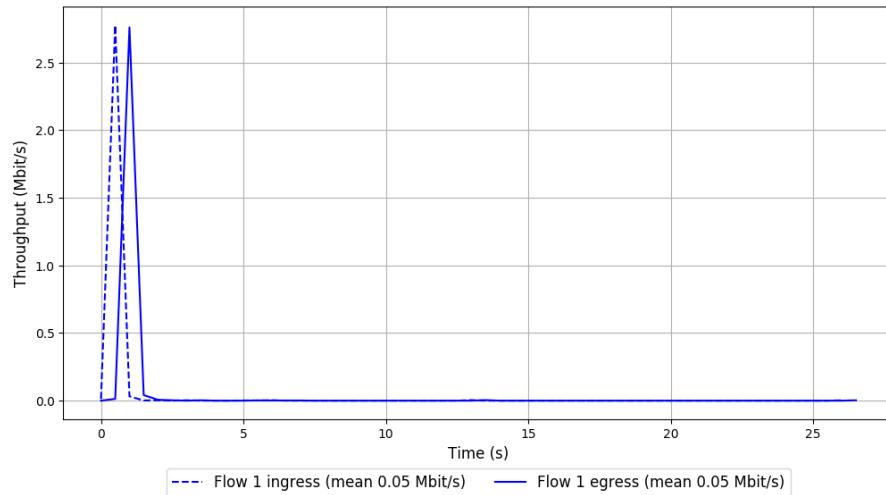


Run 3: Statistics of WebRTC media

```
Start at: 2019-10-03 06:53:42
End at: 2019-10-03 06:54:13
Local clock offset: -0.07 ms
Remote clock offset: -0.229 ms

# Below is generated by plot.py at 2019-10-03 10:38:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.555 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.555 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

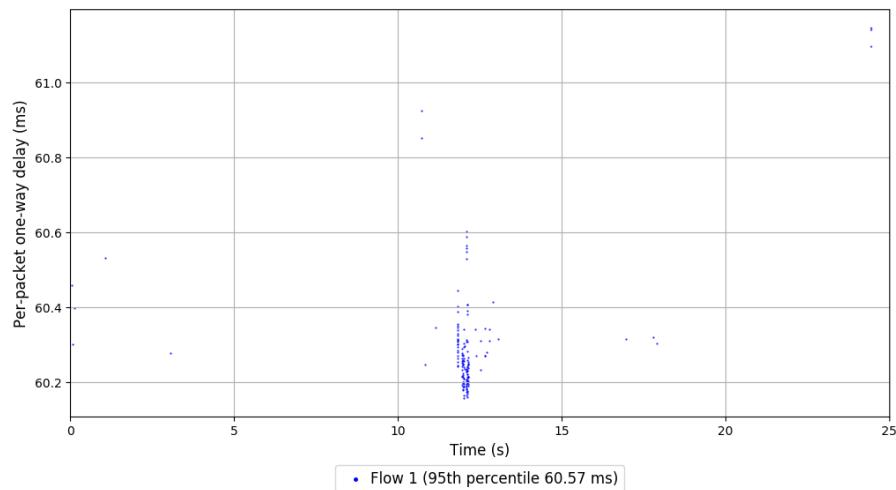
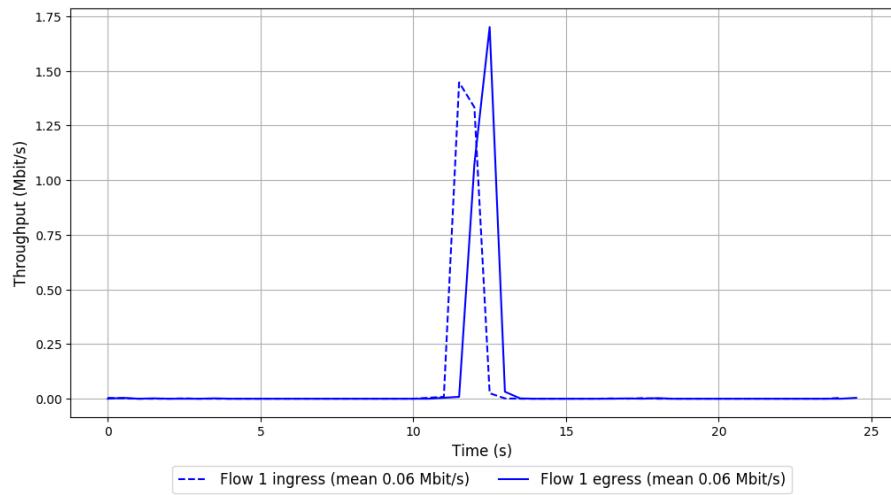


Run 4: Statistics of WebRTC media

```
Start at: 2019-10-03 07:28:35
End at: 2019-10-03 07:29:05
Local clock offset: -0.053 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2019-10-03 10:38:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 60.566 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.06 Mbit/s
95th percentile per-packet one-way delay: 60.566 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-10-03 08:03:21
End at: 2019-10-03 08:03:51
Local clock offset: -0.029 ms
Remote clock offset: 0.001 ms

# Below is generated by plot.py at 2019-10-03 10:38:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.653 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.653 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

