

Pantheon Report

Generated at 2019-06-27 05:12:54 (UTC).
Data path: AWS India 2 on `ens5` (*local*) → Saudi Arabia on `enp2s0` (*remote*).
Repeated the test of 22 congestion control schemes 5 times.
Each test lasted for 30 seconds running 1 flow.
NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

System info:

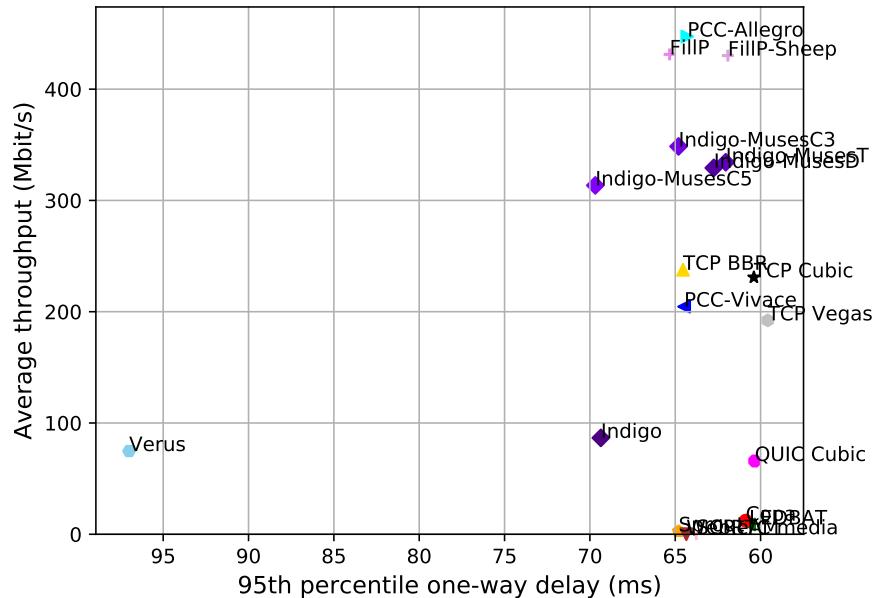
```
Linux 4.15.0-1039-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

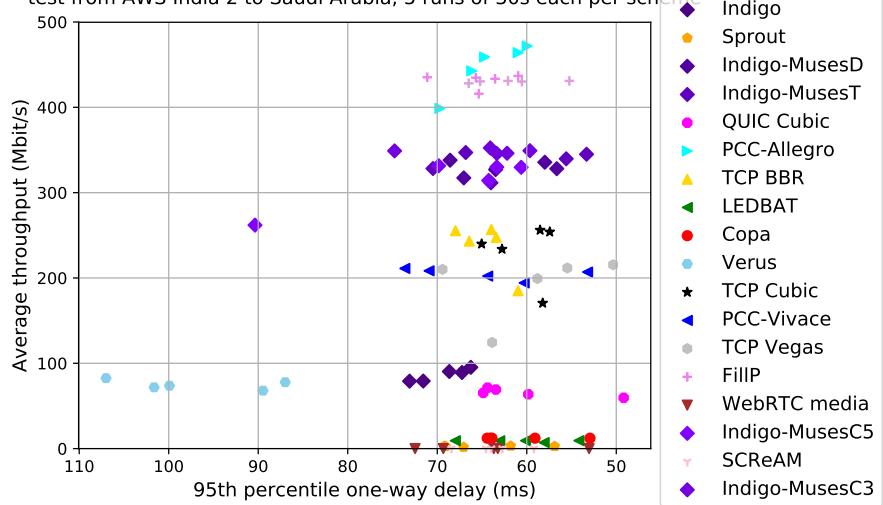
```
branch: muses @ c3953d08f32ec7ebbdede2d2f0cbdeed262571ef
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/muses_dtree @ 11c9498ecb1596b02ccd896791a02d03172af7ed
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
```

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

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



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



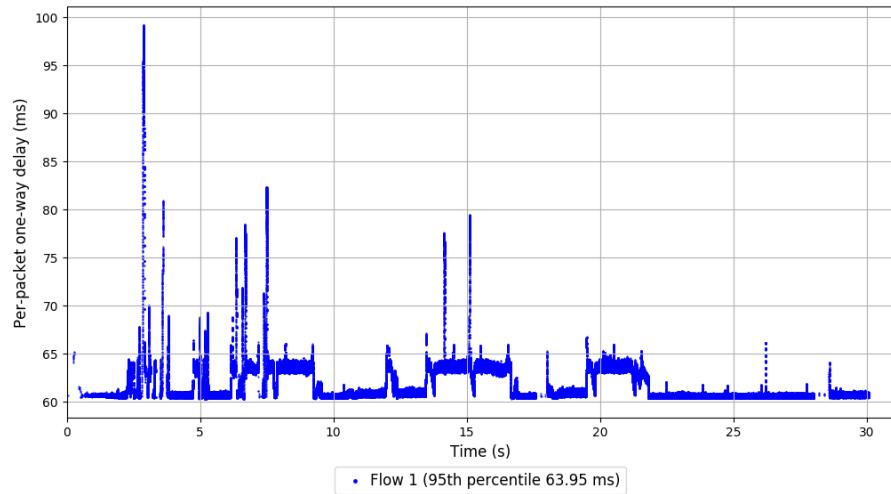
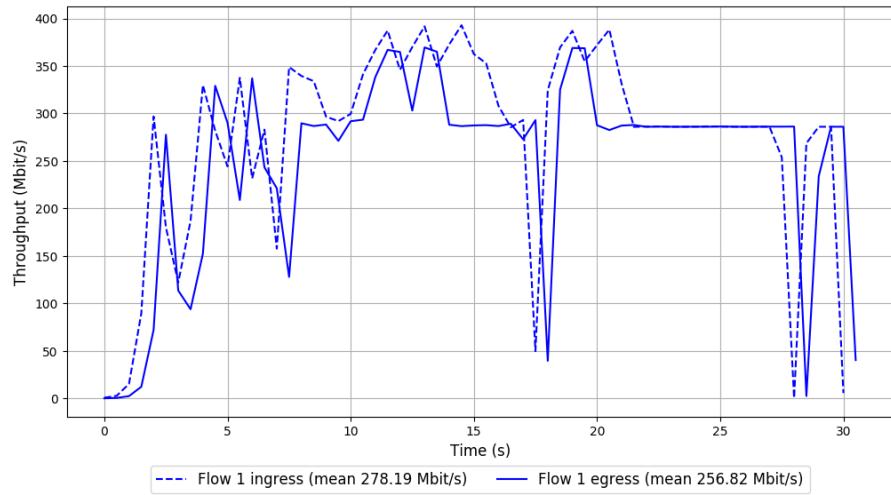
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	237.65	64.54	6.09
Copa	5	12.20	60.87	62.27
TCP Cubic	5	230.88	60.39	0.49
FillP	5	431.24	65.33	5.50
FillP-Sheep	5	430.15	61.92	5.16
Indigo	5	86.62	69.36	0.09
Indigo-MusesC3	5	348.53	64.81	13.21
Indigo-MusesC5	5	313.49	69.68	26.10
Indigo-MusesD	5	329.23	62.74	12.56
Indigo-MusesT	5	334.31	62.04	10.80
LEDBAT	5	8.85	60.67	0.00
Muses_DecisionTree	0	N/A	N/A	N/A
PCC-Allegro	5	447.27	64.29	3.38
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	65.86	60.34	0.00
SCReAM	5	0.22	63.77	0.00
Sprout	5	2.64	64.80	0.00
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	192.20	59.58	0.50
Verus	5	74.77	97.00	62.14
PCC-Vivace	5	204.58	64.48	0.93
WebRTC media	5	0.05	64.35	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-06-27 02:16:38
End at: 2019-06-27 02:17:08
Local clock offset: 2.11 ms
Remote clock offset: -39.057 ms

# Below is generated by plot.py at 2019-06-27 04:46:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 256.82 Mbit/s
95th percentile per-packet one-way delay: 63.954 ms
Loss rate: 7.68%
-- Flow 1:
Average throughput: 256.82 Mbit/s
95th percentile per-packet one-way delay: 63.954 ms
Loss rate: 7.68%
```

Run 1: Report of TCP BBR — Data Link

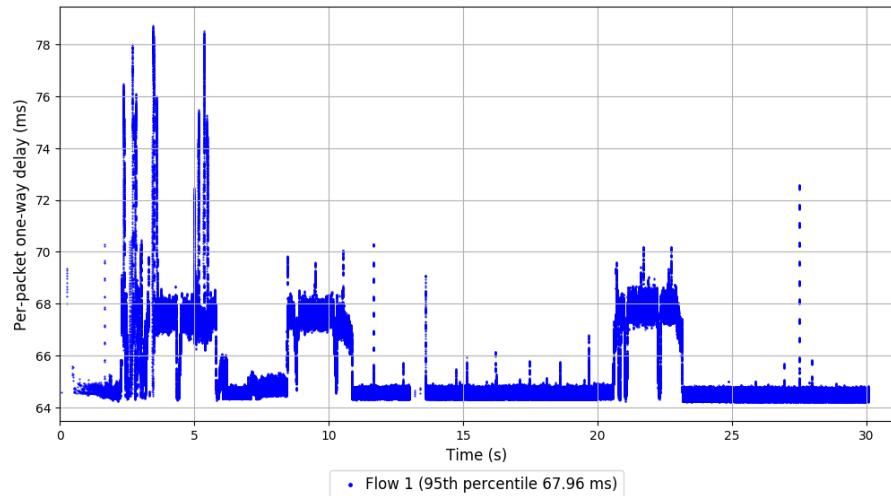
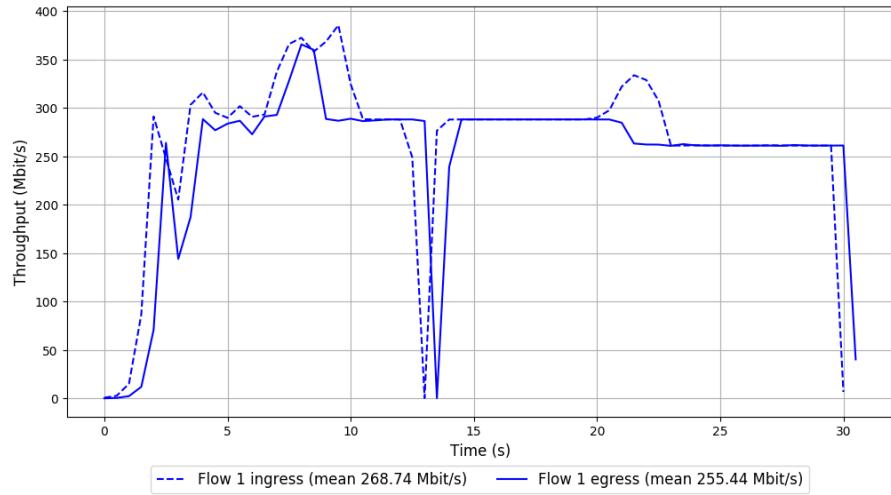


Run 2: Statistics of TCP BBR

```
Start at: 2019-06-27 02:45:27
End at: 2019-06-27 02:45:57
Local clock offset: -3.54 ms
Remote clock offset: -35.234 ms

# Below is generated by plot.py at 2019-06-27 04:46:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 255.44 Mbit/s
95th percentile per-packet one-way delay: 67.961 ms
Loss rate: 4.95%
-- Flow 1:
Average throughput: 255.44 Mbit/s
95th percentile per-packet one-way delay: 67.961 ms
Loss rate: 4.95%
```

Run 2: Report of TCP BBR — Data Link

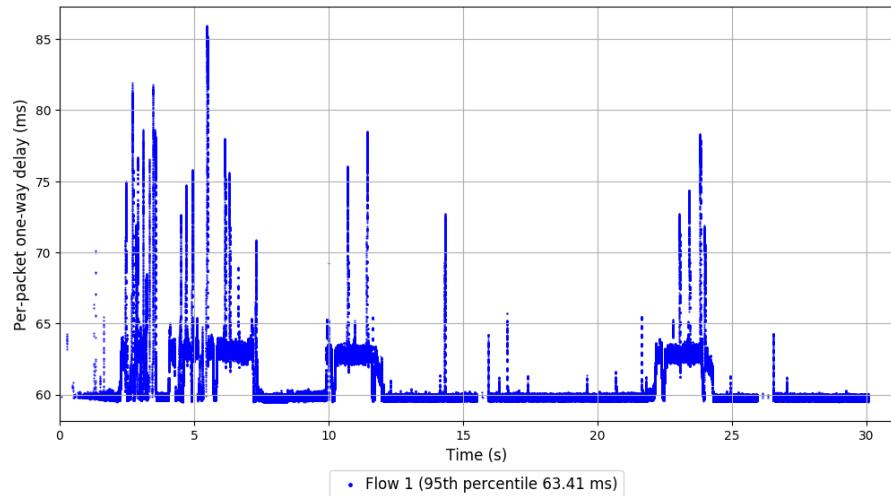
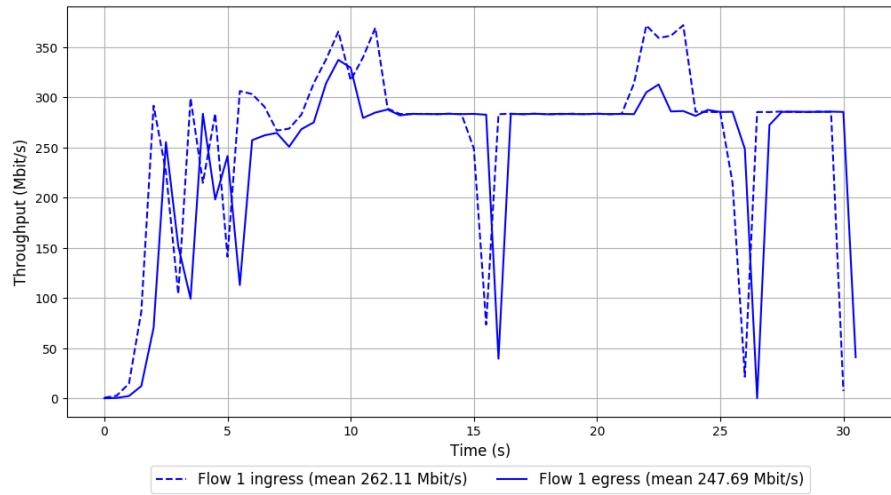


Run 3: Statistics of TCP BBR

```
Start at: 2019-06-27 03:14:09
End at: 2019-06-27 03:14:39
Local clock offset: -1.775 ms
Remote clock offset: -39.185 ms

# Below is generated by plot.py at 2019-06-27 04:46:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 247.69 Mbit/s
95th percentile per-packet one-way delay: 63.410 ms
Loss rate: 5.50%
-- Flow 1:
Average throughput: 247.69 Mbit/s
95th percentile per-packet one-way delay: 63.410 ms
Loss rate: 5.50%
```

Run 3: Report of TCP BBR — Data Link

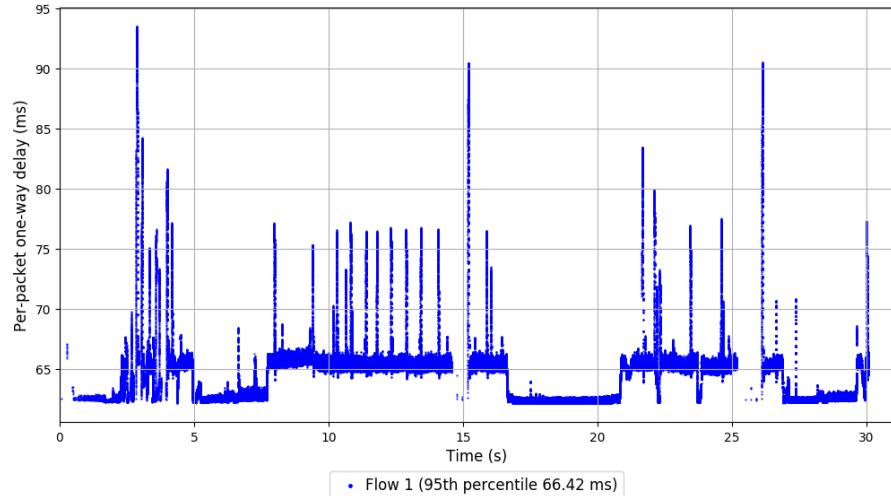
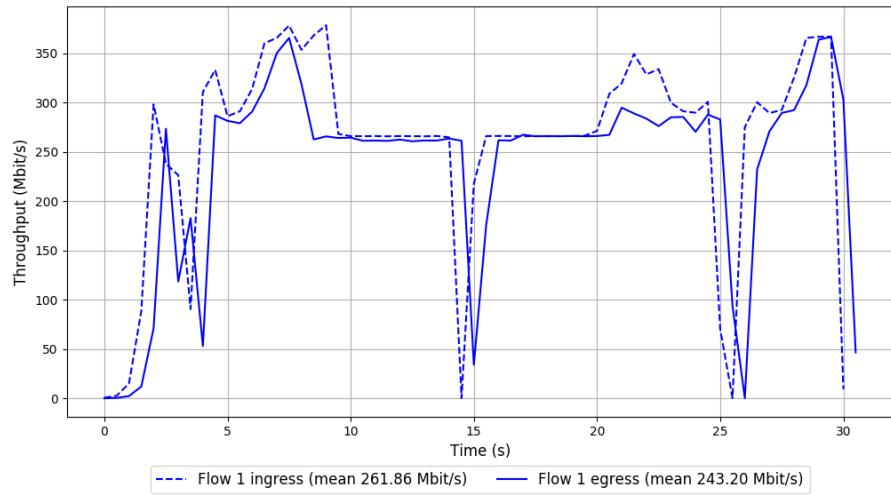


Run 4: Statistics of TCP BBR

```
Start at: 2019-06-27 03:42:53
End at: 2019-06-27 03:43:23
Local clock offset: -3.624 ms
Remote clock offset: -36.781 ms

# Below is generated by plot.py at 2019-06-27 04:46:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 243.20 Mbit/s
95th percentile per-packet one-way delay: 66.422 ms
Loss rate: 7.11%
-- Flow 1:
Average throughput: 243.20 Mbit/s
95th percentile per-packet one-way delay: 66.422 ms
Loss rate: 7.11%
```

Run 4: Report of TCP BBR — Data Link

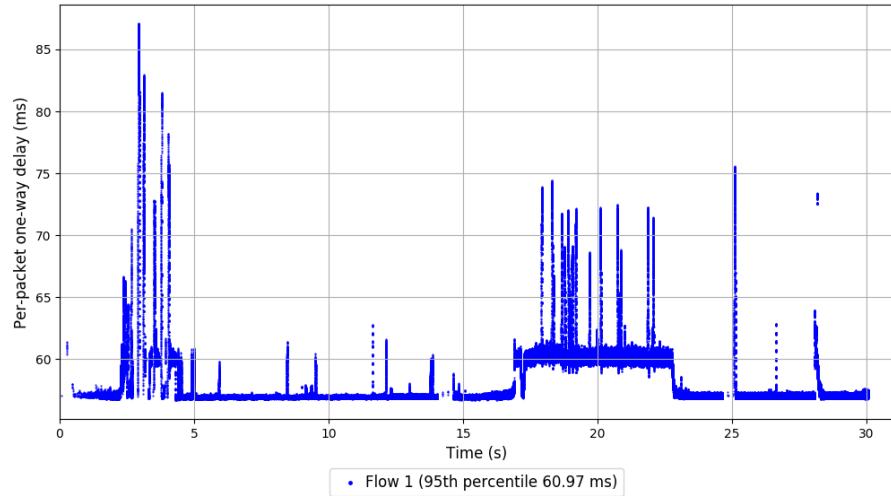
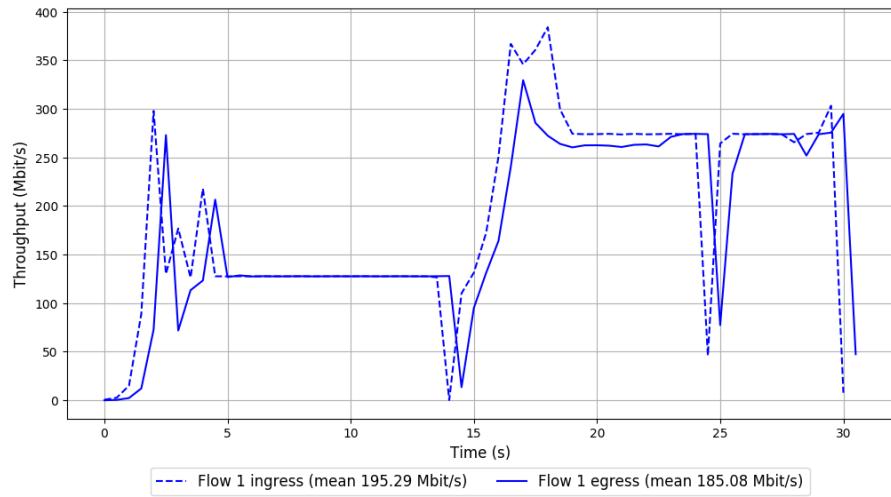


Run 5: Statistics of TCP BBR

```
Start at: 2019-06-27 04:11:40
End at: 2019-06-27 04:12:10
Local clock offset: 3.445 ms
Remote clock offset: -43.001 ms

# Below is generated by plot.py at 2019-06-27 04:46:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.08 Mbit/s
95th percentile per-packet one-way delay: 60.972 ms
Loss rate: 5.23%
-- Flow 1:
Average throughput: 185.08 Mbit/s
95th percentile per-packet one-way delay: 60.972 ms
Loss rate: 5.23%
```

Run 5: Report of TCP BBR — Data Link

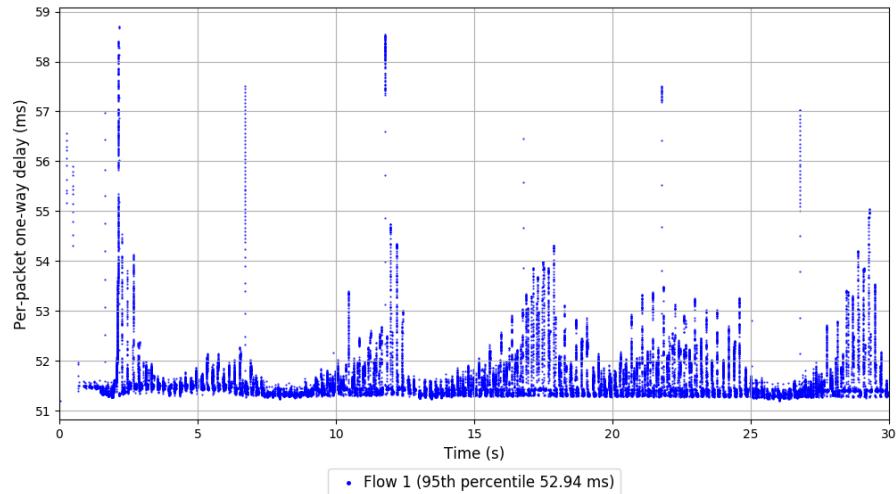
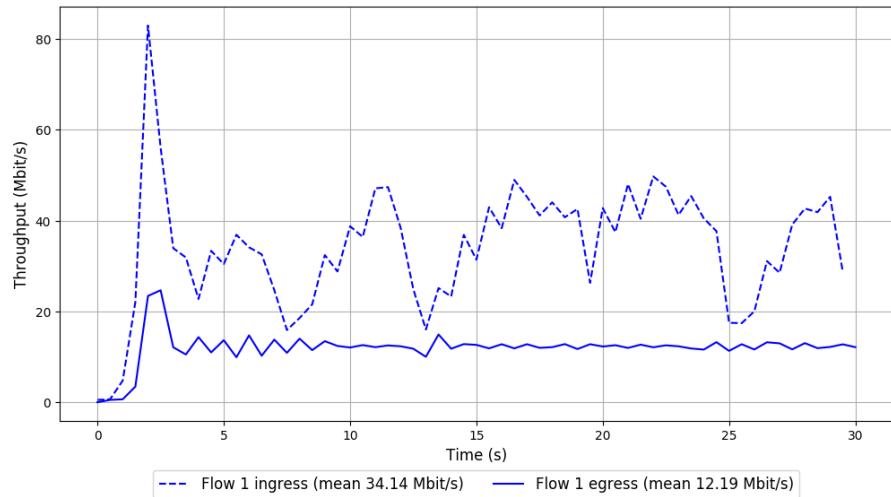


Run 1: Statistics of Copa

```
Start at: 2019-06-27 02:41:22
End at: 2019-06-27 02:41:52
Local clock offset: -2.506 ms
Remote clock offset: -47.736 ms

# Below is generated by plot.py at 2019-06-27 04:46:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.19 Mbit/s
95th percentile per-packet one-way delay: 52.936 ms
Loss rate: 64.28%
-- Flow 1:
Average throughput: 12.19 Mbit/s
95th percentile per-packet one-way delay: 52.936 ms
Loss rate: 64.28%
```

Run 1: Report of Copa — Data Link

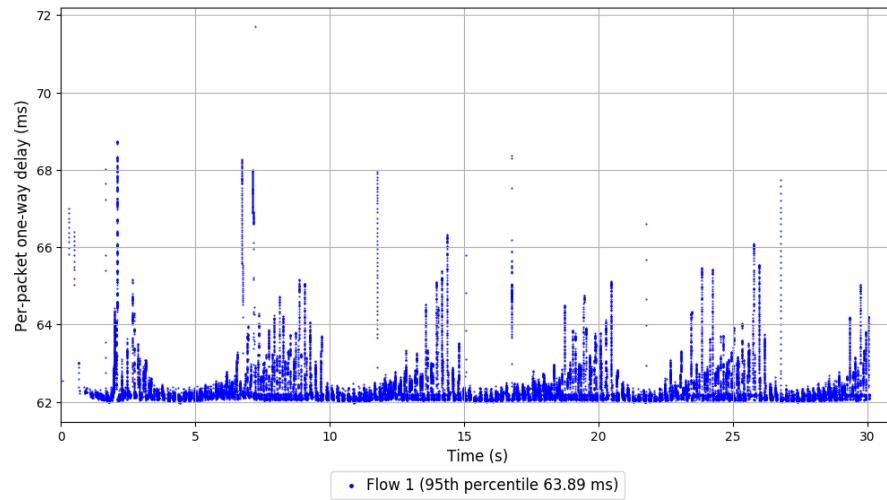
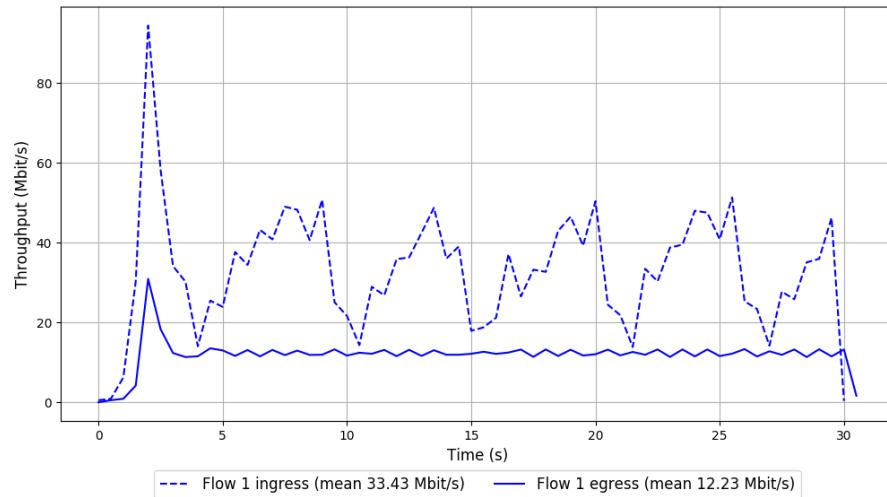


Run 2: Statistics of Copa

```
Start at: 2019-06-27 03:10:04
End at: 2019-06-27 03:10:34
Local clock offset: -1.724 ms
Remote clock offset: -36.915 ms

# Below is generated by plot.py at 2019-06-27 04:46:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.23 Mbit/s
95th percentile per-packet one-way delay: 63.888 ms
Loss rate: 63.40%
-- Flow 1:
Average throughput: 12.23 Mbit/s
95th percentile per-packet one-way delay: 63.888 ms
Loss rate: 63.40%
```

Run 2: Report of Copa — Data Link

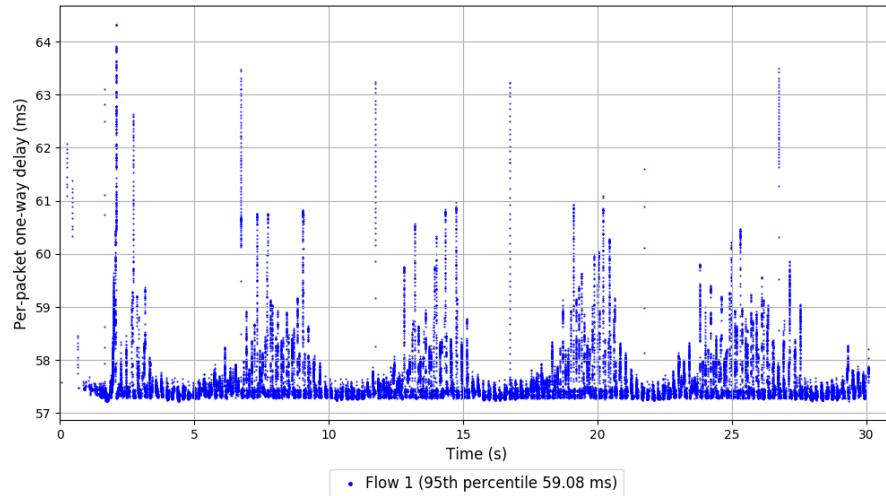
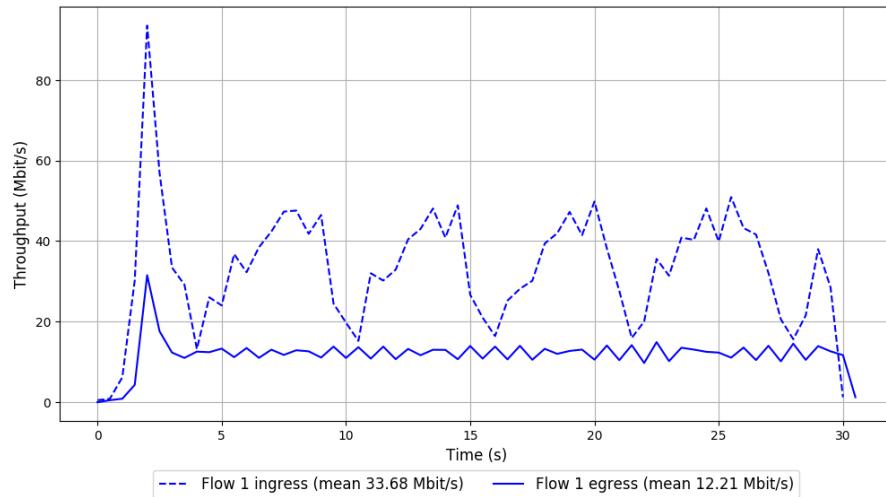


Run 3: Statistics of Copa

```
Start at: 2019-06-27 03:38:47
End at: 2019-06-27 03:39:17
Local clock offset: -4.391 ms
Remote clock offset: -42.384 ms

# Below is generated by plot.py at 2019-06-27 04:46:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 59.078 ms
Loss rate: 63.74%
-- Flow 1:
Average throughput: 12.21 Mbit/s
95th percentile per-packet one-way delay: 59.078 ms
Loss rate: 63.74%
```

Run 3: Report of Copa — Data Link

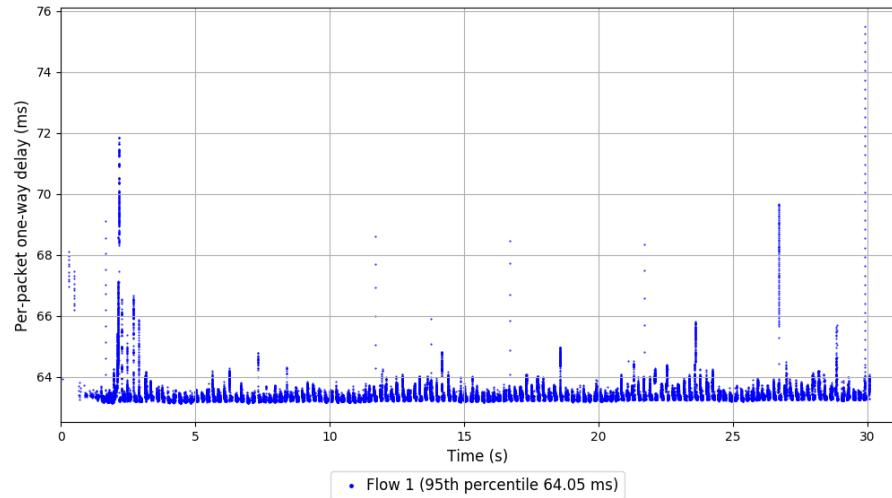
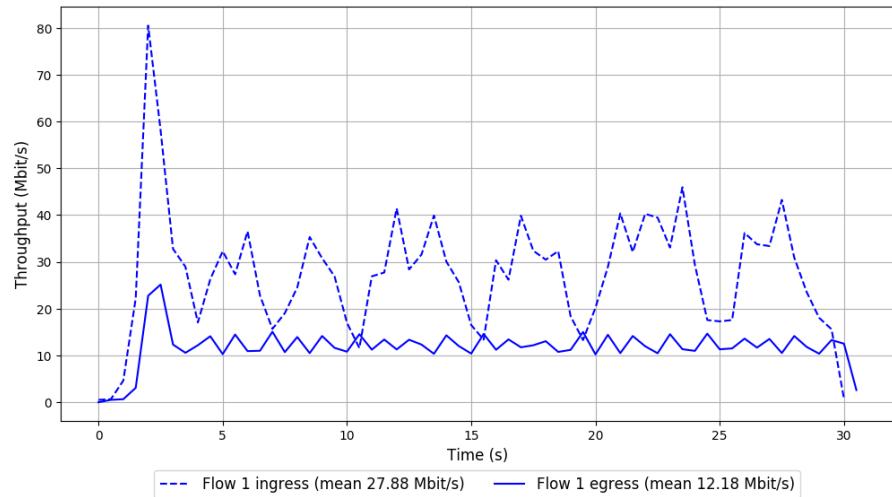


Run 4: Statistics of Copa

```
Start at: 2019-06-27 04:07:34
End at: 2019-06-27 04:08:04
Local clock offset: 3.407 ms
Remote clock offset: -35.832 ms

# Below is generated by plot.py at 2019-06-27 04:46:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.18 Mbit/s
95th percentile per-packet one-way delay: 64.053 ms
Loss rate: 56.31%
-- Flow 1:
Average throughput: 12.18 Mbit/s
95th percentile per-packet one-way delay: 64.053 ms
Loss rate: 56.31%
```

Run 4: Report of Copa — Data Link

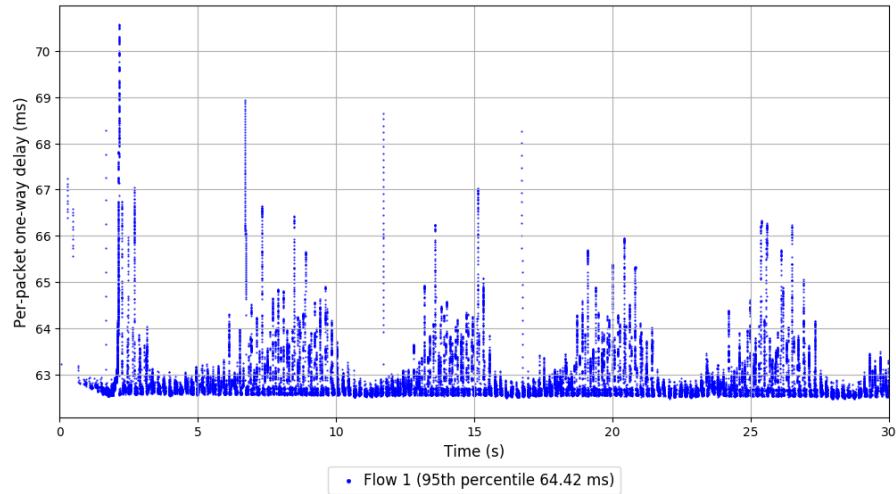
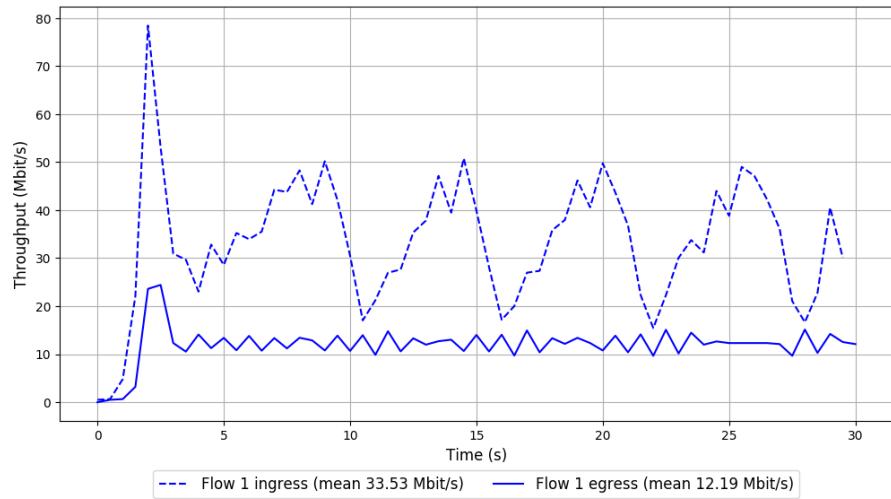


Run 5: Statistics of Copa

```
Start at: 2019-06-27 04:36:09
End at: 2019-06-27 04:36:39
Local clock offset: -1.504 ms
Remote clock offset: -36.761 ms

# Below is generated by plot.py at 2019-06-27 04:46:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.19 Mbit/s
95th percentile per-packet one-way delay: 64.418 ms
Loss rate: 63.63%
-- Flow 1:
Average throughput: 12.19 Mbit/s
95th percentile per-packet one-way delay: 64.418 ms
Loss rate: 63.63%
```

Run 5: Report of Copa — Data Link

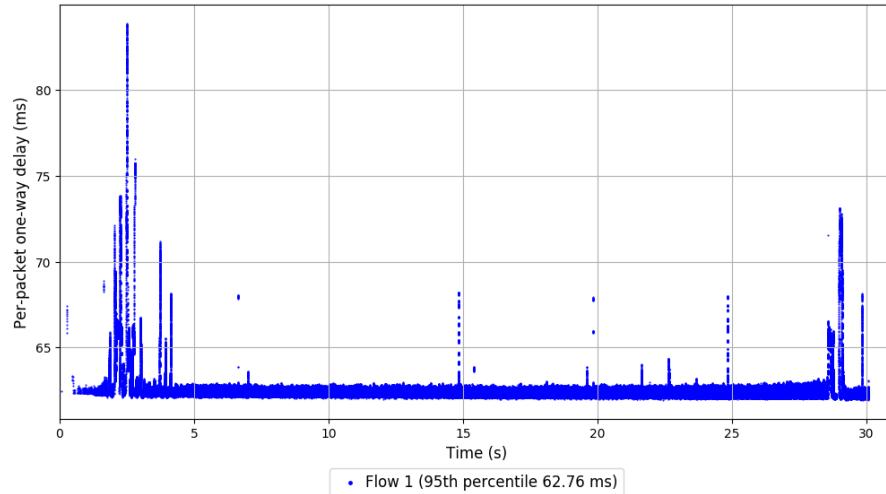
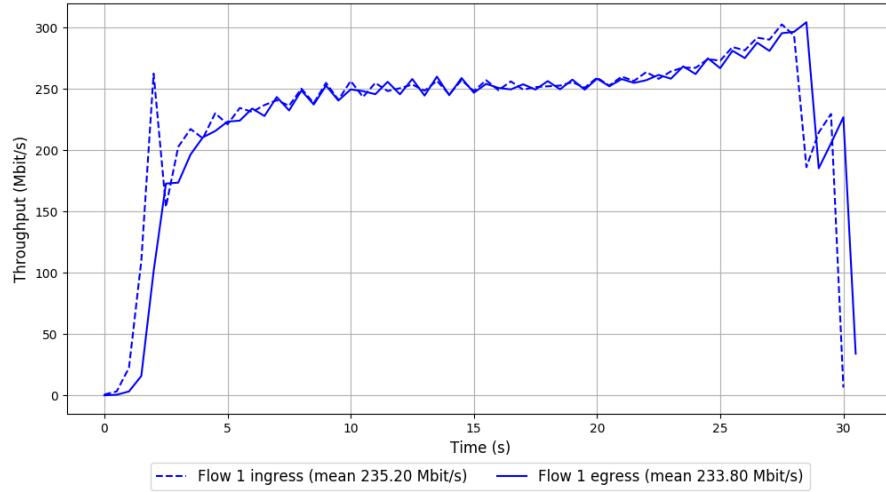


Run 1: Statistics of TCP Cubic

```
Start at: 2019-06-27 02:20:42
End at: 2019-06-27 02:21:12
Local clock offset: 0.957 ms
Remote clock offset: -37.042 ms

# Below is generated by plot.py at 2019-06-27 04:46:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.80 Mbit/s
95th percentile per-packet one-way delay: 62.763 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 233.80 Mbit/s
95th percentile per-packet one-way delay: 62.763 ms
Loss rate: 0.59%
```

Run 1: Report of TCP Cubic — Data Link

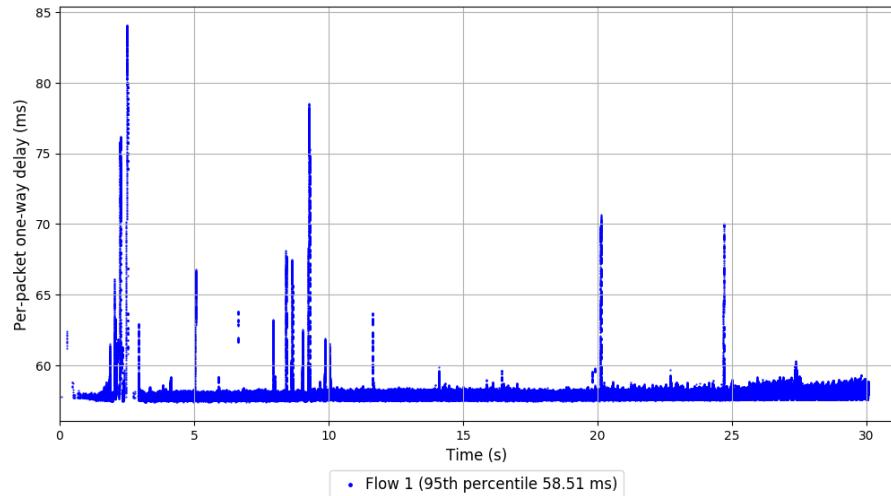
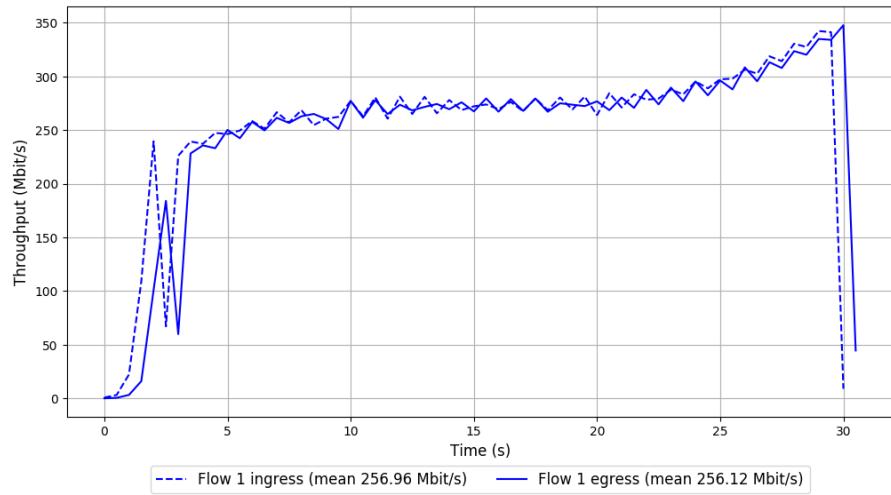


Run 2: Statistics of TCP Cubic

```
Start at: 2019-06-27 02:49:29
End at: 2019-06-27 02:49:59
Local clock offset: -3.679 ms
Remote clock offset: -41.993 ms

# Below is generated by plot.py at 2019-06-27 04:46:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 256.12 Mbit/s
95th percentile per-packet one-way delay: 58.508 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 256.12 Mbit/s
95th percentile per-packet one-way delay: 58.508 ms
Loss rate: 0.33%
```

Run 2: Report of TCP Cubic — Data Link

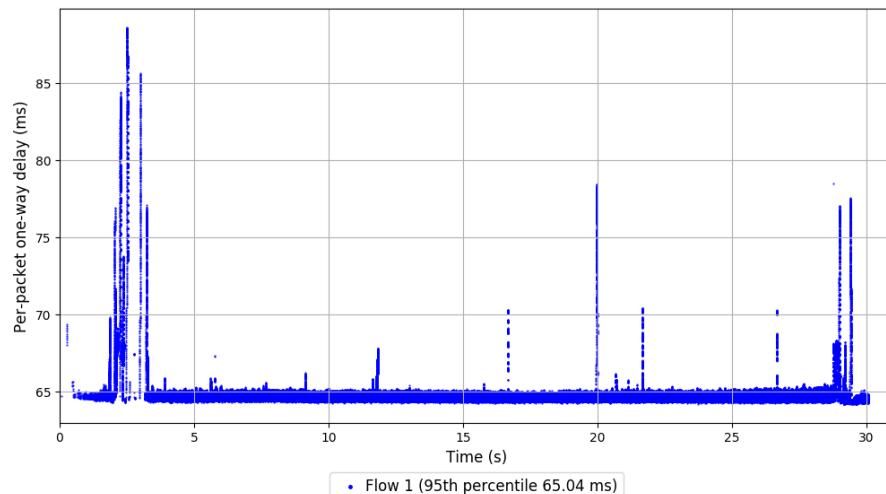
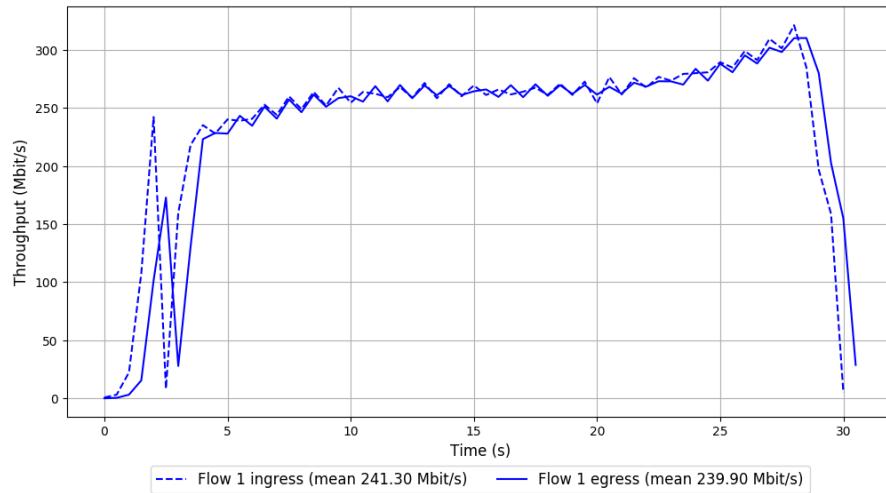


Run 3: Statistics of TCP Cubic

```
Start at: 2019-06-27 03:18:12
End at: 2019-06-27 03:18:42
Local clock offset: -1.903 ms
Remote clock offset: -34.133 ms

# Below is generated by plot.py at 2019-06-27 04:46:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 239.90 Mbit/s
95th percentile per-packet one-way delay: 65.043 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 239.90 Mbit/s
95th percentile per-packet one-way delay: 65.043 ms
Loss rate: 0.58%
```

Run 3: Report of TCP Cubic — Data Link

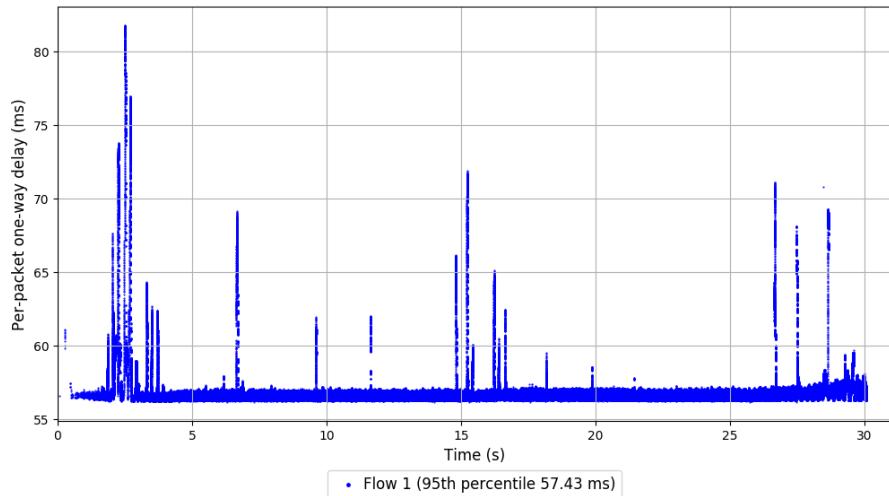
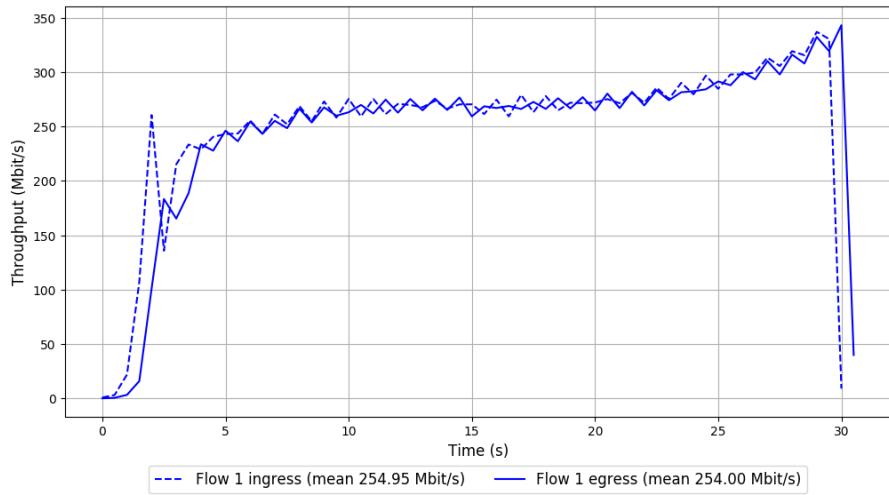


Run 4: Statistics of TCP Cubic

```
Start at: 2019-06-27 03:46:57
End at: 2019-06-27 03:47:27
Local clock offset: -3.125 ms
Remote clock offset: -42.056 ms

# Below is generated by plot.py at 2019-06-27 04:48:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 254.00 Mbit/s
95th percentile per-packet one-way delay: 57.433 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 254.00 Mbit/s
95th percentile per-packet one-way delay: 57.433 ms
Loss rate: 0.37%
```

Run 4: Report of TCP Cubic — Data Link

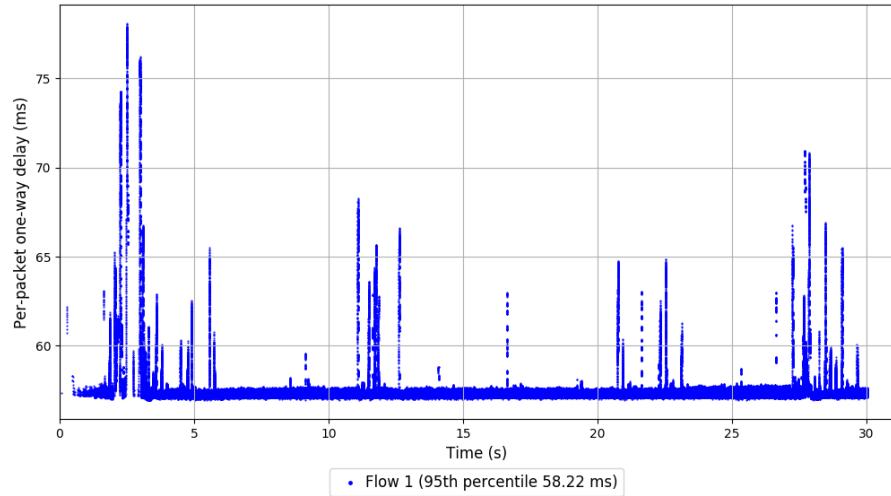
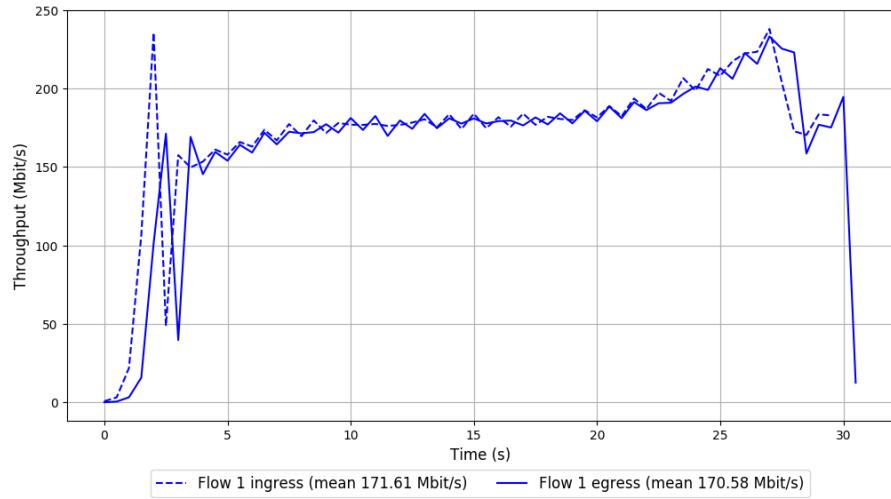


Run 5: Statistics of TCP Cubic

```
Start at: 2019-06-27 04:15:40
End at: 2019-06-27 04:16:10
Local clock offset: 3.933 ms
Remote clock offset: -42.694 ms

# Below is generated by plot.py at 2019-06-27 04:48:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 170.58 Mbit/s
95th percentile per-packet one-way delay: 58.220 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 170.58 Mbit/s
95th percentile per-packet one-way delay: 58.220 ms
Loss rate: 0.60%
```

Run 5: Report of TCP Cubic — Data Link

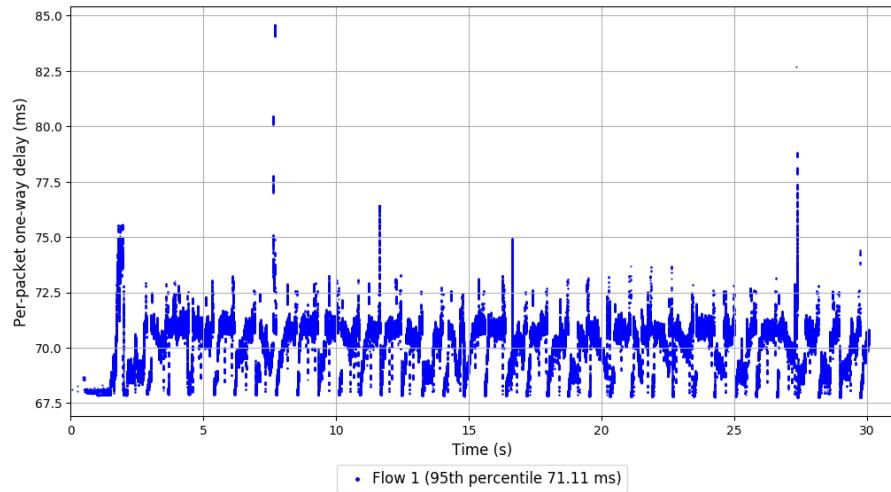
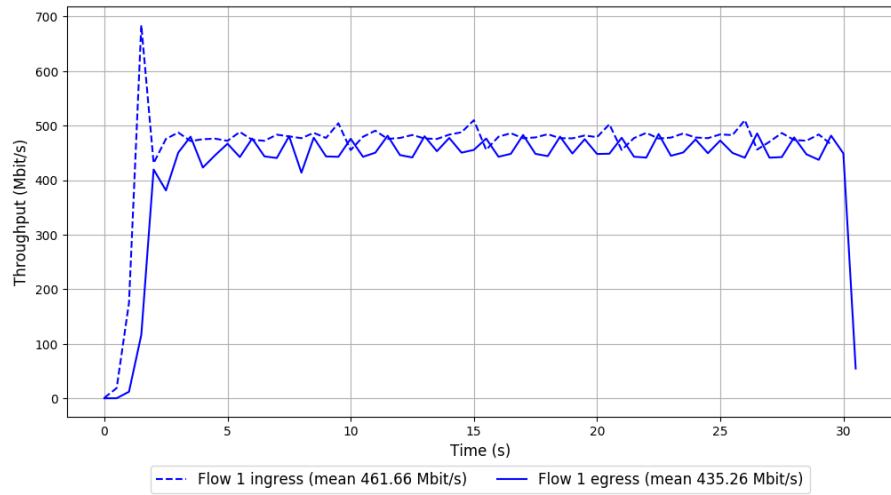


```
Run 1: Statistics of FillP

Start at: 2019-06-27 02:22:05
End at: 2019-06-27 02:22:35
Local clock offset: 0.723 ms
Remote clock offset: -31.241 ms

# Below is generated by plot.py at 2019-06-27 04:52:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 435.26 Mbit/s
95th percentile per-packet one-way delay: 71.115 ms
Loss rate: 5.71%
-- Flow 1:
Average throughput: 435.26 Mbit/s
95th percentile per-packet one-way delay: 71.115 ms
Loss rate: 5.71%
```

Run 1: Report of FillP — Data Link

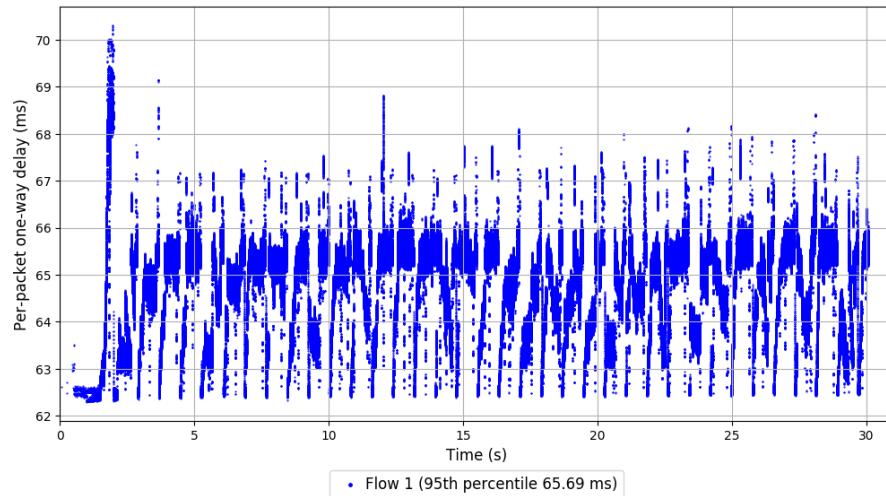
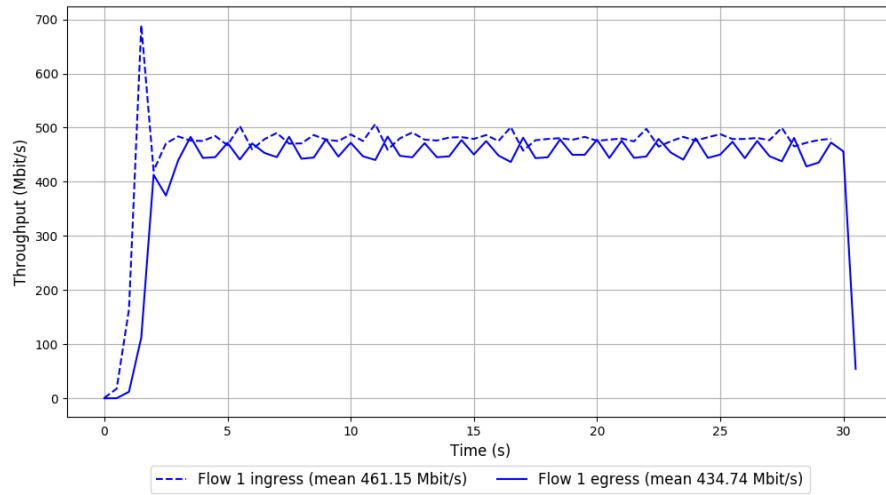


Run 2: Statistics of FillP

```
Start at: 2019-06-27 02:50:51
End at: 2019-06-27 02:51:21
Local clock offset: -3.424 ms
Remote clock offset: -37.412 ms

# Below is generated by plot.py at 2019-06-27 04:52:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 434.74 Mbit/s
95th percentile per-packet one-way delay: 65.685 ms
Loss rate: 5.72%
-- Flow 1:
Average throughput: 434.74 Mbit/s
95th percentile per-packet one-way delay: 65.685 ms
Loss rate: 5.72%
```

Run 2: Report of FillP — Data Link

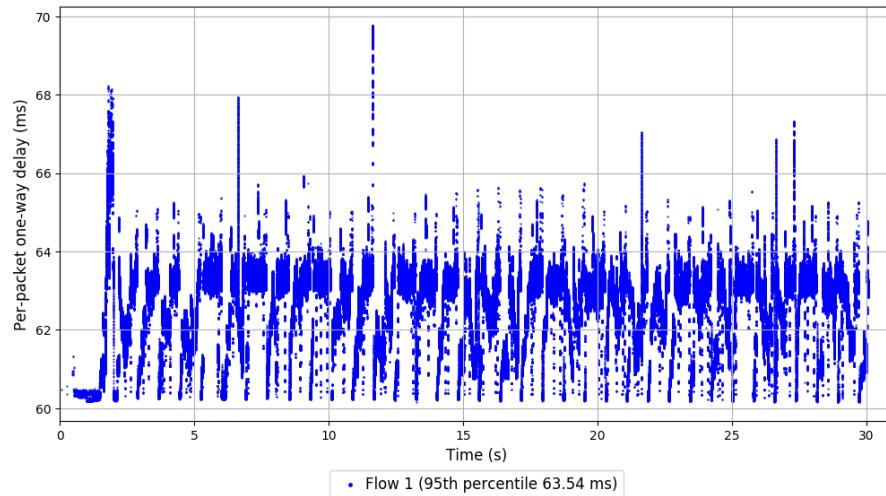
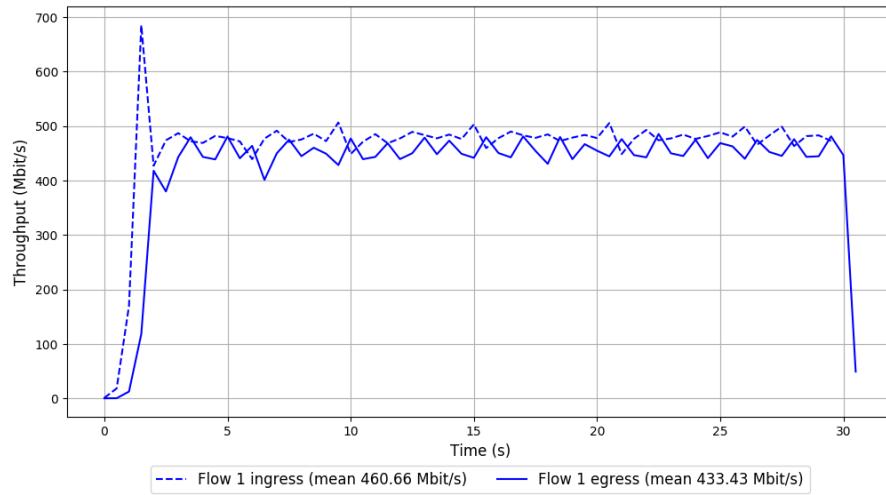


Run 3: Statistics of FillP

```
Start at: 2019-06-27 03:19:34
End at: 2019-06-27 03:20:04
Local clock offset: -2.539 ms
Remote clock offset: -38.578 ms

# Below is generated by plot.py at 2019-06-27 04:52:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 433.43 Mbit/s
95th percentile per-packet one-way delay: 63.540 ms
Loss rate: 5.90%
-- Flow 1:
Average throughput: 433.43 Mbit/s
95th percentile per-packet one-way delay: 63.540 ms
Loss rate: 5.90%
```

Run 3: Report of FillP — Data Link

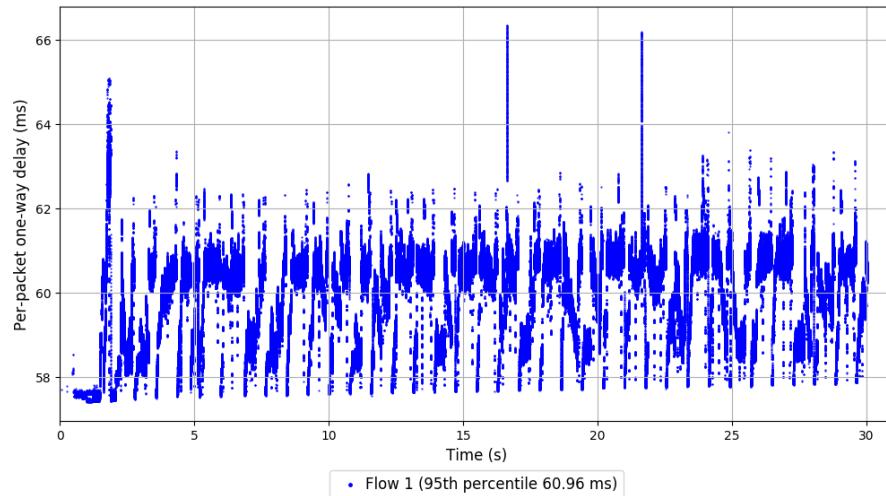
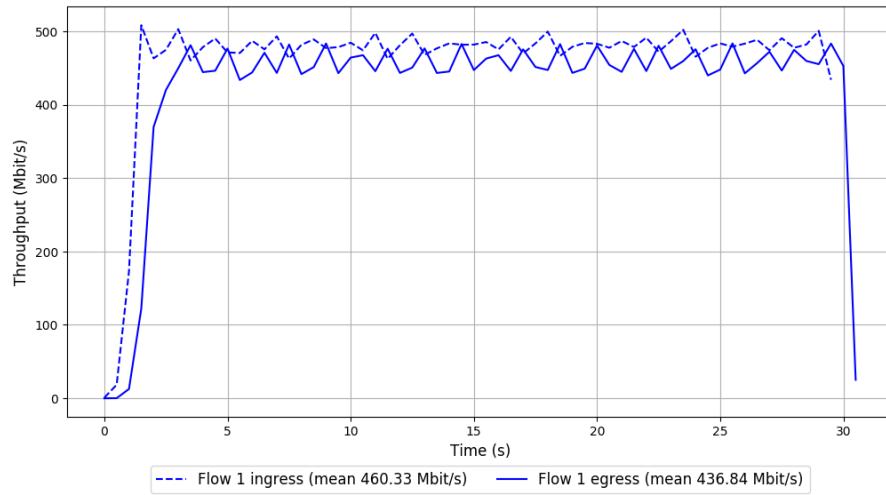


Run 4: Statistics of FillP

```
Start at: 2019-06-27 03:48:20
End at: 2019-06-27 03:48:50
Local clock offset: -4.514 ms
Remote clock offset: -41.966 ms

# Below is generated by plot.py at 2019-06-27 04:52:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 436.84 Mbit/s
95th percentile per-packet one-way delay: 60.956 ms
Loss rate: 5.09%
-- Flow 1:
Average throughput: 436.84 Mbit/s
95th percentile per-packet one-way delay: 60.956 ms
Loss rate: 5.09%
```

Run 4: Report of FillP — Data Link

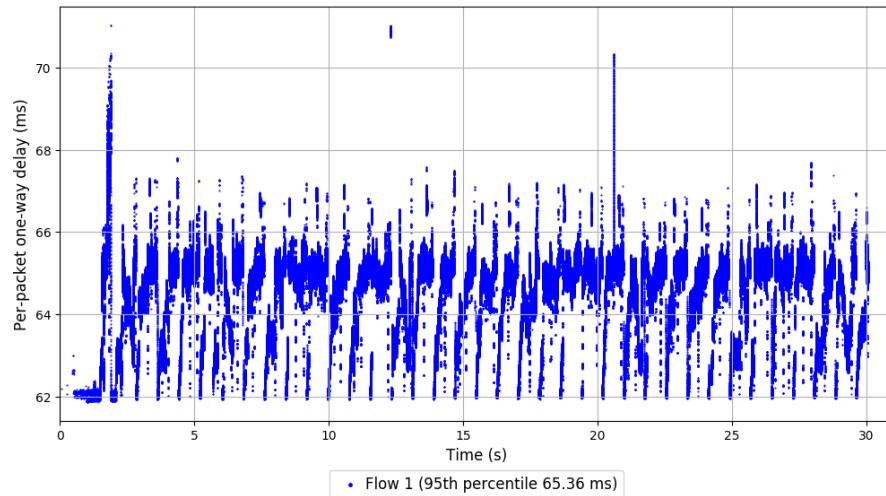
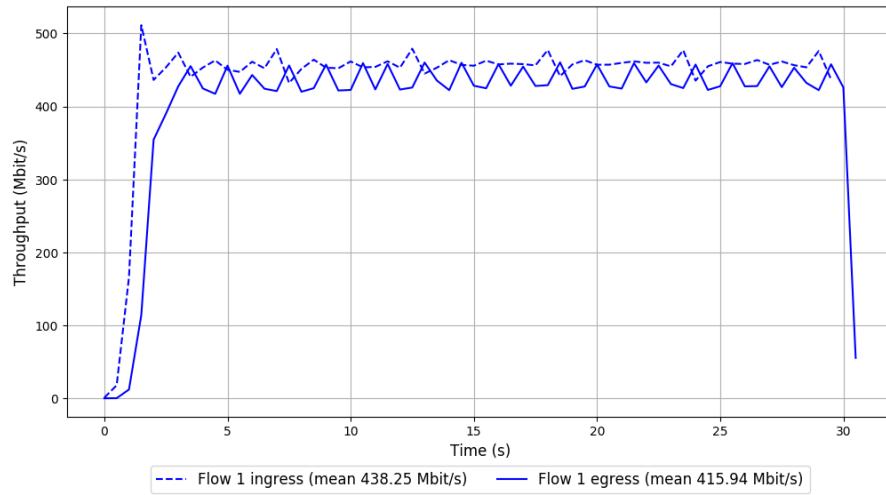


```
Run 5: Statistics of FillP
```

```
Start at: 2019-06-27 04:16:59
End at: 2019-06-27 04:17:29
Local clock offset: 4.12 ms
Remote clock offset: -37.471 ms

# Below is generated by plot.py at 2019-06-27 04:52:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 415.94 Mbit/s
95th percentile per-packet one-way delay: 65.356 ms
Loss rate: 5.08%
-- Flow 1:
Average throughput: 415.94 Mbit/s
95th percentile per-packet one-way delay: 65.356 ms
Loss rate: 5.08%
```

Run 5: Report of FillP — Data Link

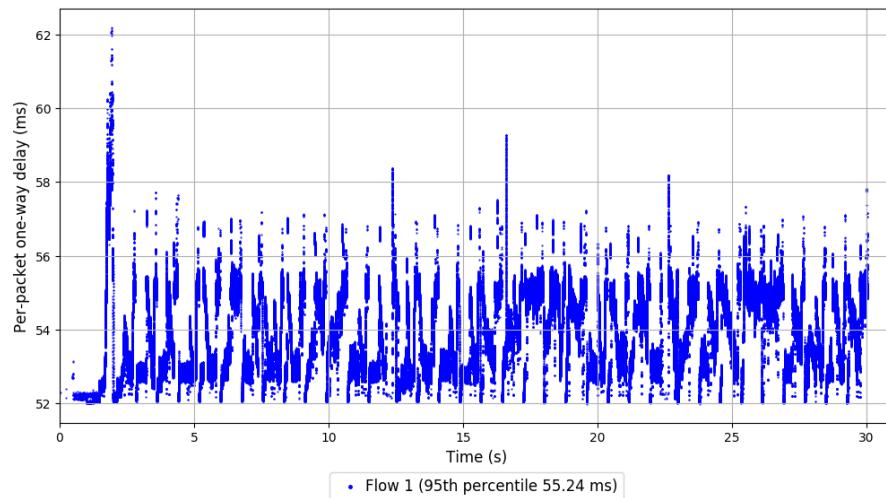
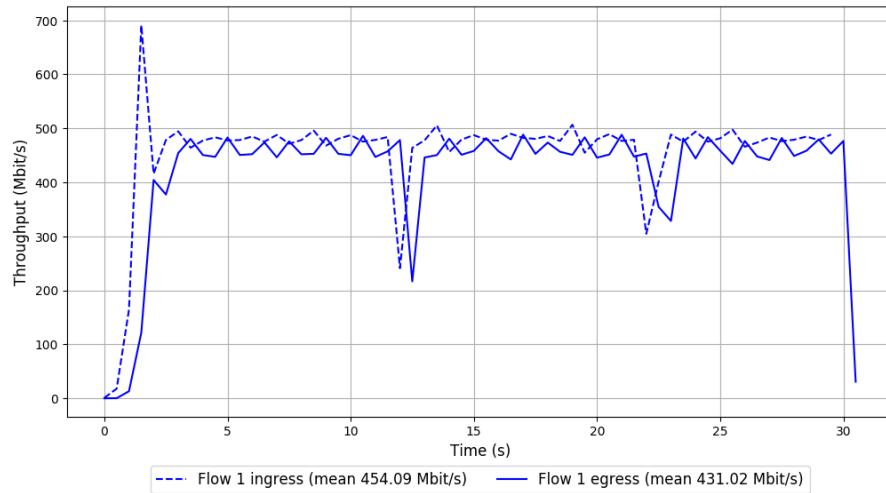


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-06-27 02:42:34
End at: 2019-06-27 02:43:04
Local clock offset: -2.986 ms
Remote clock offset: -47.196 ms

# Below is generated by plot.py at 2019-06-27 04:52:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 431.02 Mbit/s
95th percentile per-packet one-way delay: 55.242 ms
Loss rate: 5.07%
-- Flow 1:
Average throughput: 431.02 Mbit/s
95th percentile per-packet one-way delay: 55.242 ms
Loss rate: 5.07%
```

Run 1: Report of FillP-Sheep — Data Link

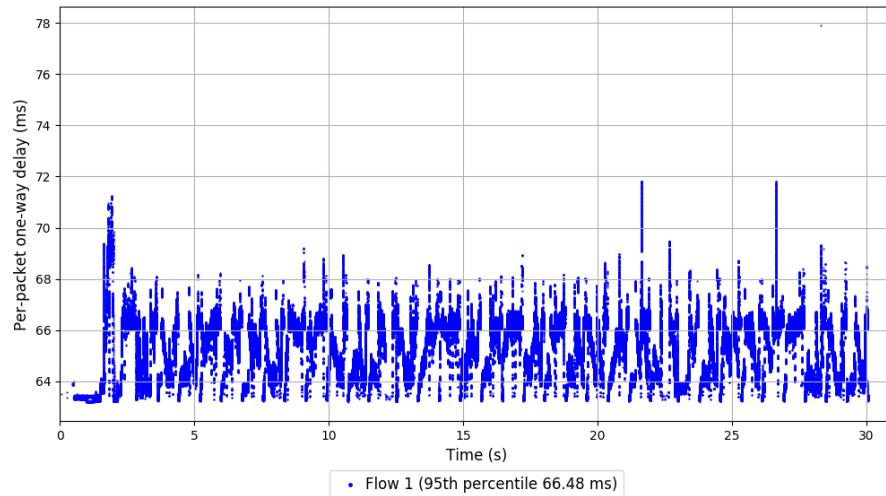
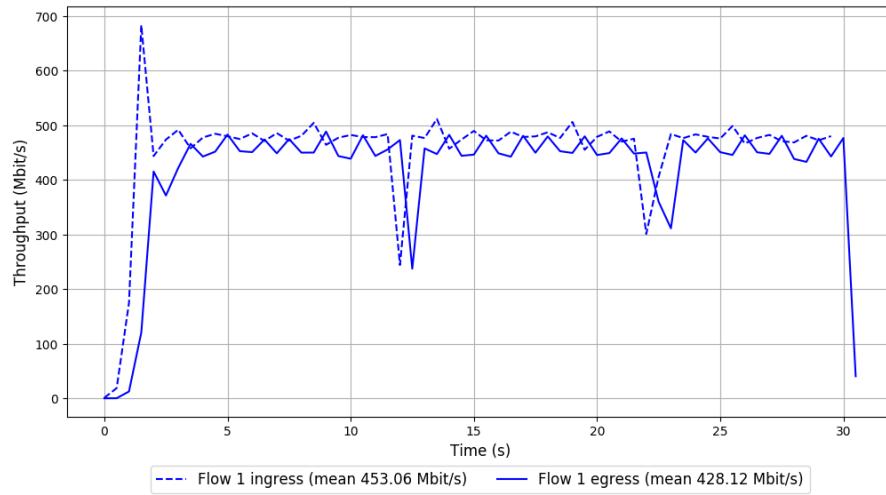


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-06-27 03:11:16
End at: 2019-06-27 03:11:46
Local clock offset: -1.935 ms
Remote clock offset: -35.6 ms

# Below is generated by plot.py at 2019-06-27 04:54:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 428.12 Mbit/s
95th percentile per-packet one-way delay: 66.484 ms
Loss rate: 5.50%
-- Flow 1:
Average throughput: 428.12 Mbit/s
95th percentile per-packet one-way delay: 66.484 ms
Loss rate: 5.50%
```

Run 2: Report of FillP-Sheep — Data Link

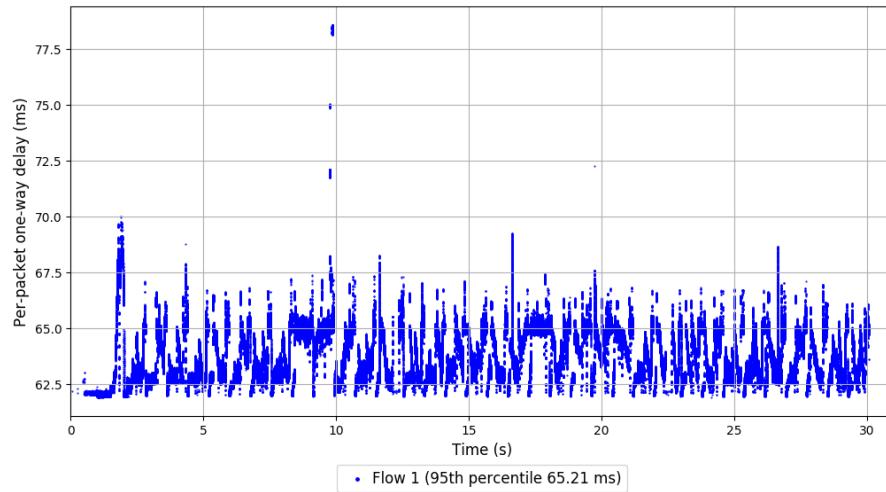
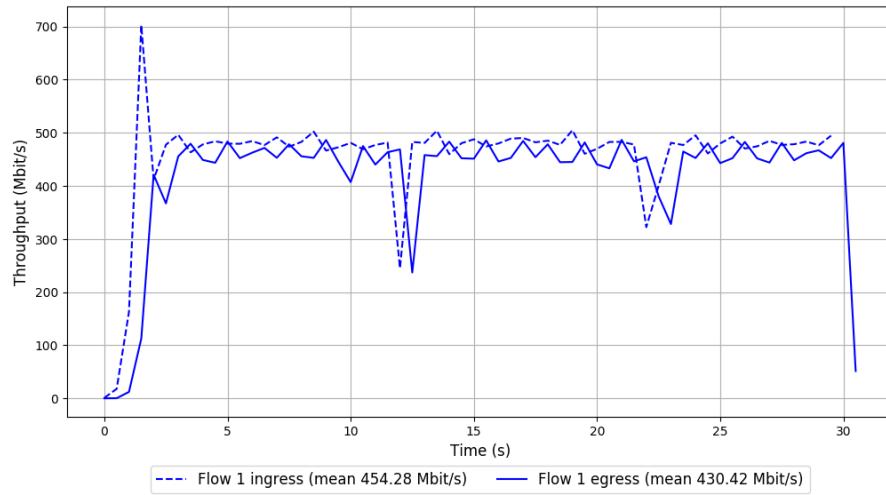


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-06-27 03:40:00
End at: 2019-06-27 03:40:30
Local clock offset: -5.999 ms
Remote clock offset: -39.542 ms

# Below is generated by plot.py at 2019-06-27 04:54:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 430.42 Mbit/s
95th percentile per-packet one-way delay: 65.211 ms
Loss rate: 5.25%
-- Flow 1:
Average throughput: 430.42 Mbit/s
95th percentile per-packet one-way delay: 65.211 ms
Loss rate: 5.25%
```

Run 3: Report of FillP-Sheep — Data Link

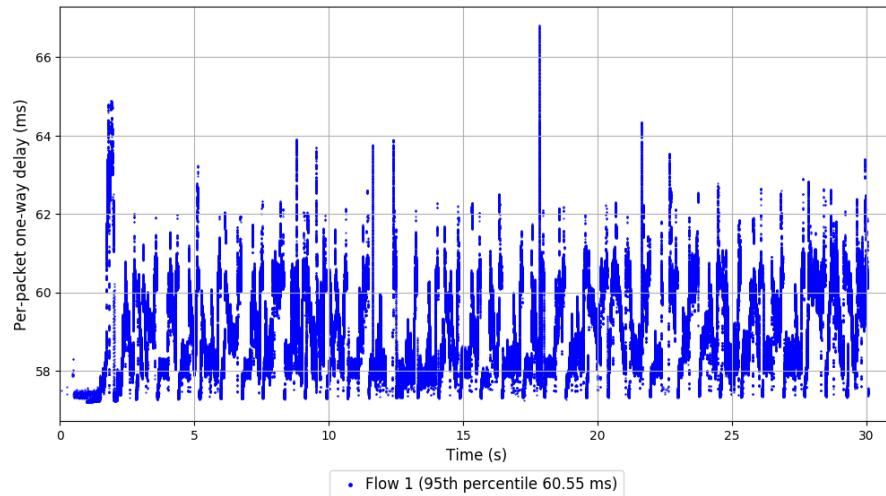
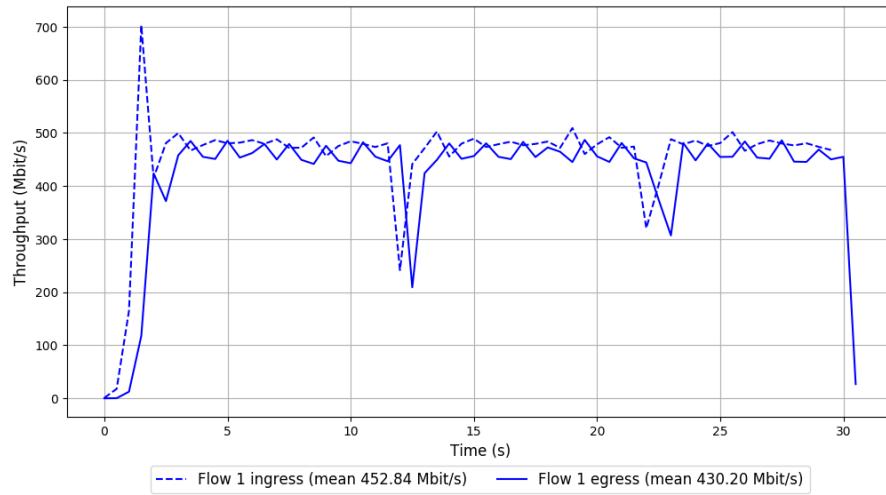


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-06-27 04:08:46
End at: 2019-06-27 04:09:16
Local clock offset: 3.354 ms
Remote clock offset: -42.084 ms

# Below is generated by plot.py at 2019-06-27 04:58:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 430.20 Mbit/s
95th percentile per-packet one-way delay: 60.545 ms
Loss rate: 5.00%
-- Flow 1:
Average throughput: 430.20 Mbit/s
95th percentile per-packet one-way delay: 60.545 ms
Loss rate: 5.00%
```

Run 4: Report of FillP-Sheep — Data Link

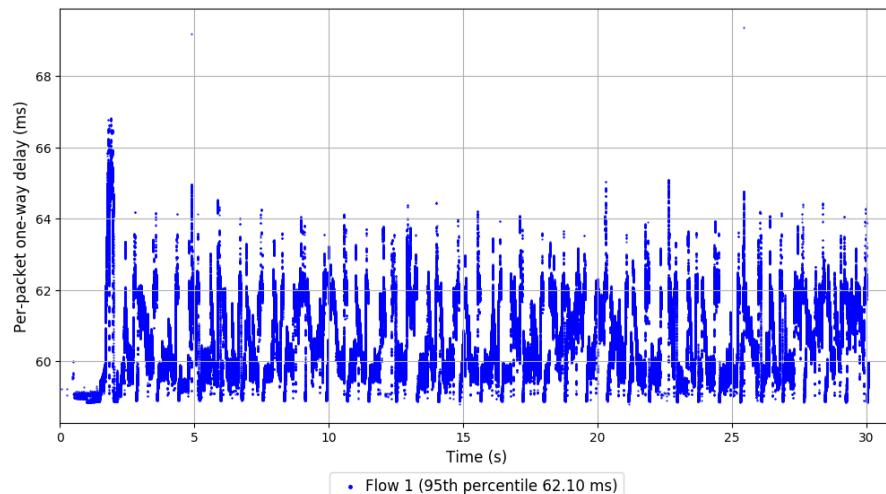
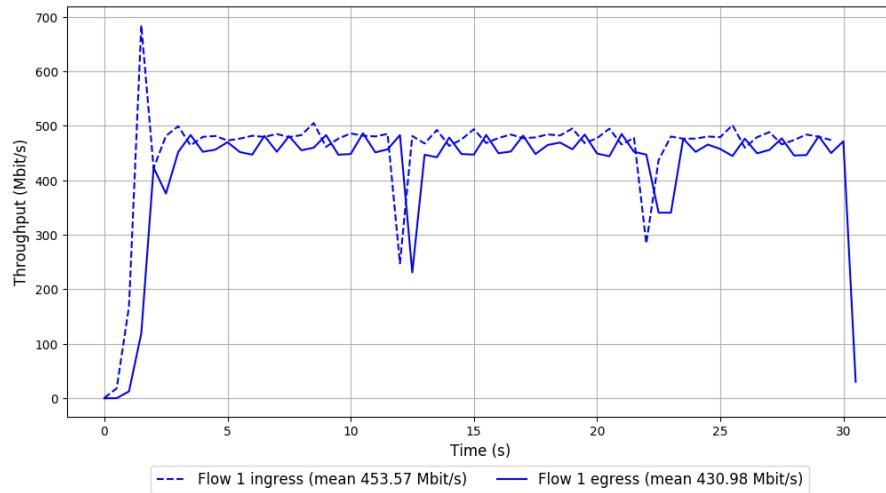


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-06-27 04:37:22
End at: 2019-06-27 04:37:52
Local clock offset: -1.503 ms
Remote clock offset: -39.992 ms

# Below is generated by plot.py at 2019-06-27 04:58:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 430.98 Mbit/s
95th percentile per-packet one-way delay: 62.099 ms
Loss rate: 4.98%
-- Flow 1:
Average throughput: 430.98 Mbit/s
95th percentile per-packet one-way delay: 62.099 ms
Loss rate: 4.98%
```

Run 5: Report of FillP-Sheep — Data Link

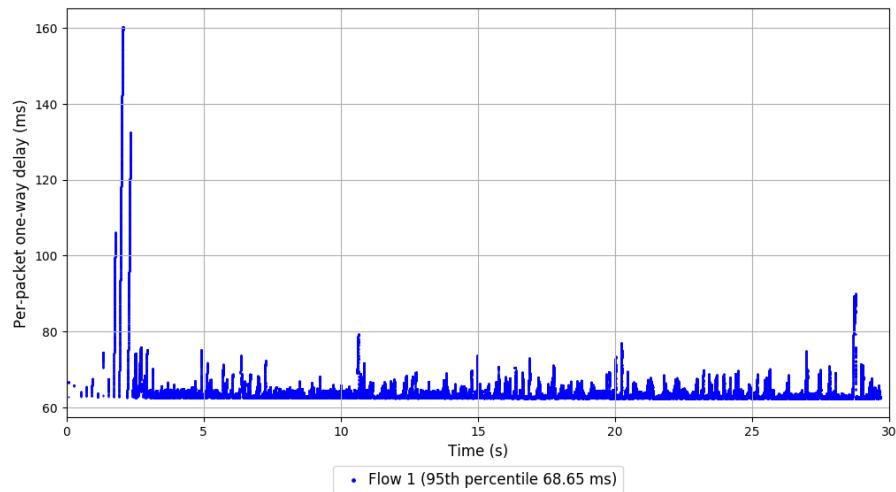
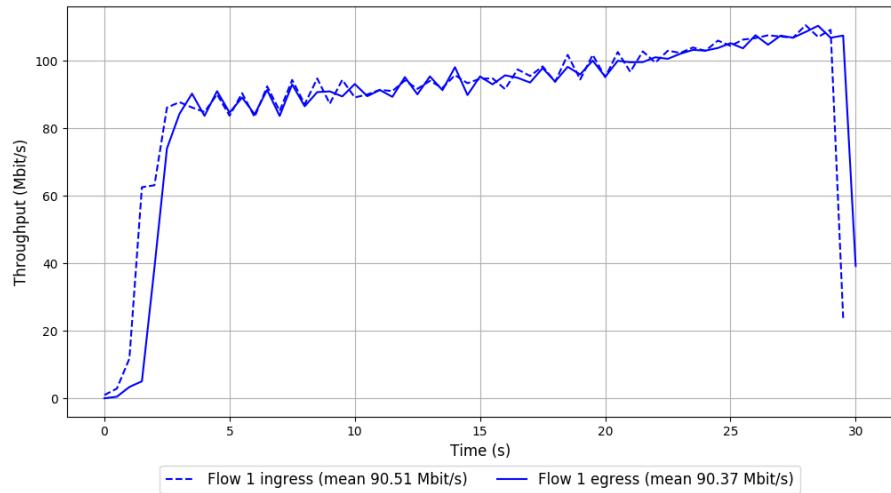


Run 1: Statistics of Indigo

```
Start at: 2019-06-27 02:18:02
End at: 2019-06-27 02:18:32
Local clock offset: 1.891 ms
Remote clock offset: -36.842 ms

# Below is generated by plot.py at 2019-06-27 04:58:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.37 Mbit/s
95th percentile per-packet one-way delay: 68.650 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 90.37 Mbit/s
95th percentile per-packet one-way delay: 68.650 ms
Loss rate: 0.15%
```

Run 1: Report of Indigo — Data Link

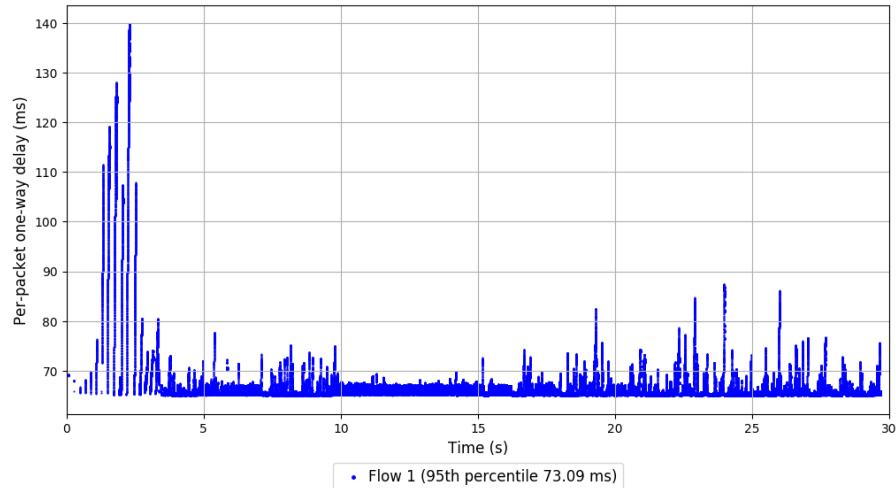
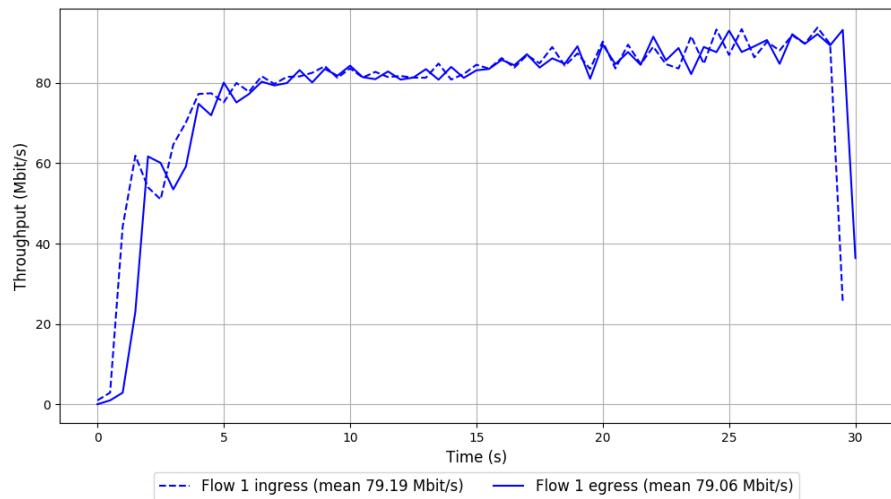


Run 2: Statistics of Indigo

```
Start at: 2019-06-27 02:46:50
End at: 2019-06-27 02:47:20
Local clock offset: -3.839 ms
Remote clock offset: -34.239 ms

# Below is generated by plot.py at 2019-06-27 04:58:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.06 Mbit/s
95th percentile per-packet one-way delay: 73.093 ms
Loss rate: 0.17%
-- Flow 1:
Average throughput: 79.06 Mbit/s
95th percentile per-packet one-way delay: 73.093 ms
Loss rate: 0.17%
```

Run 2: Report of Indigo — Data Link

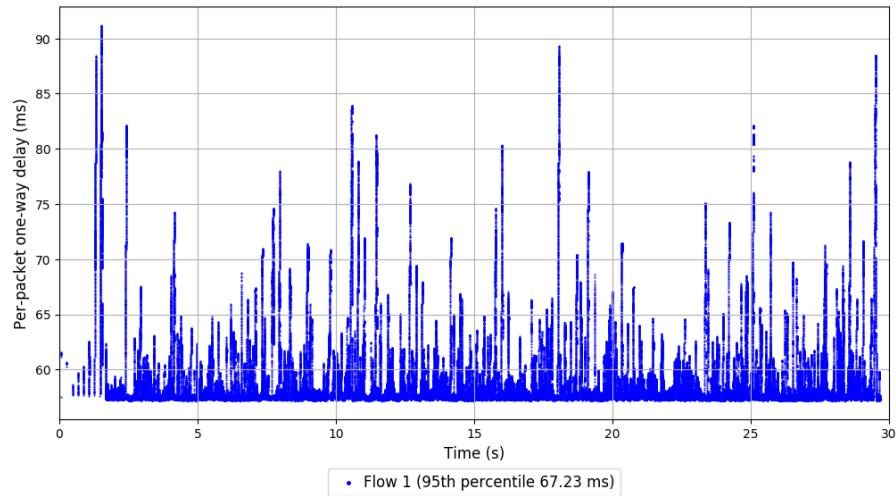
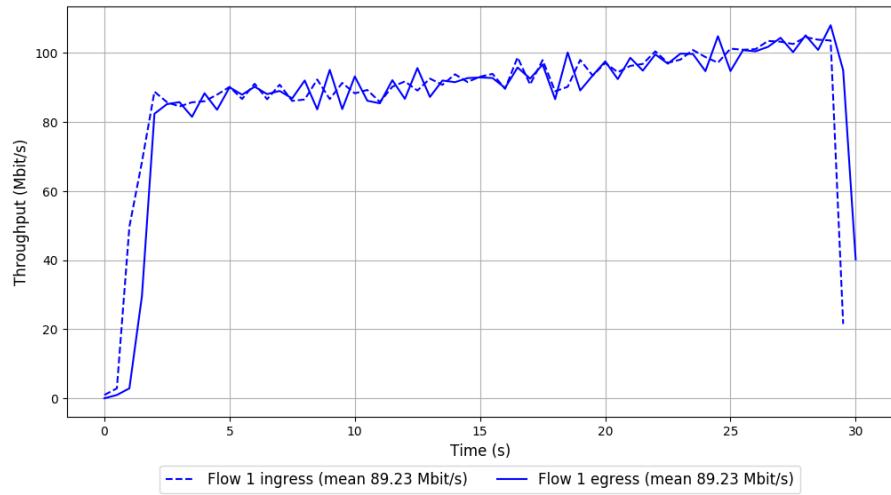


Run 3: Statistics of Indigo

```
Start at: 2019-06-27 03:15:33
End at: 2019-06-27 03:16:03
Local clock offset: -1.502 ms
Remote clock offset: -41.238 ms

# Below is generated by plot.py at 2019-06-27 04:58:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.23 Mbit/s
95th percentile per-packet one-way delay: 67.235 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 89.23 Mbit/s
95th percentile per-packet one-way delay: 67.235 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo — Data Link

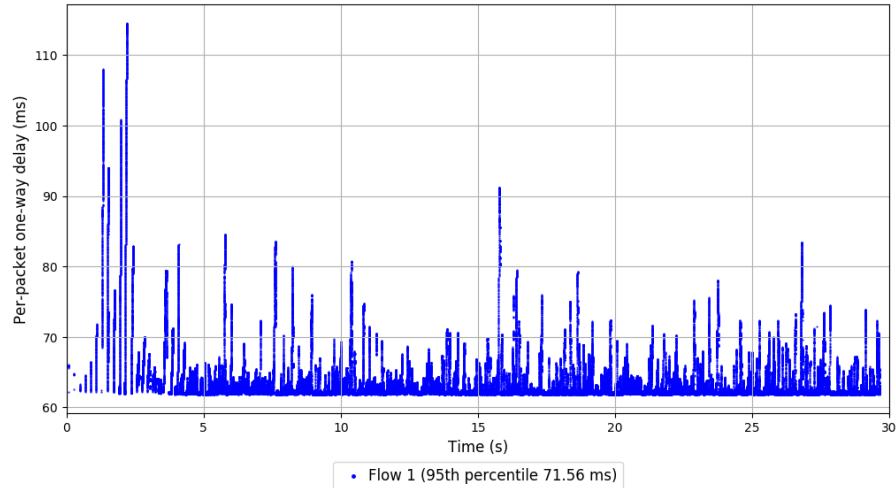
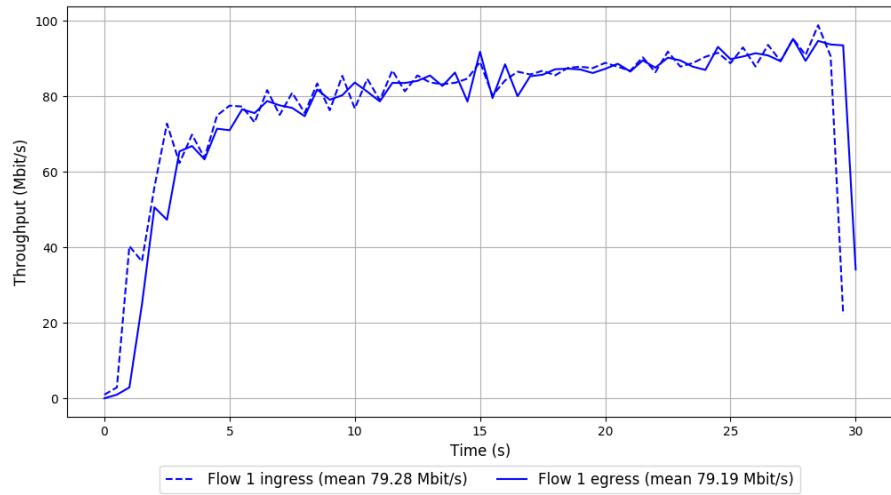


Run 4: Statistics of Indigo

```
Start at: 2019-06-27 03:44:19
End at: 2019-06-27 03:44:49
Local clock offset: -4.093 ms
Remote clock offset: -37.18 ms

# Below is generated by plot.py at 2019-06-27 04:58:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.19 Mbit/s
95th percentile per-packet one-way delay: 71.565 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 79.19 Mbit/s
95th percentile per-packet one-way delay: 71.565 ms
Loss rate: 0.11%
```

Run 4: Report of Indigo — Data Link

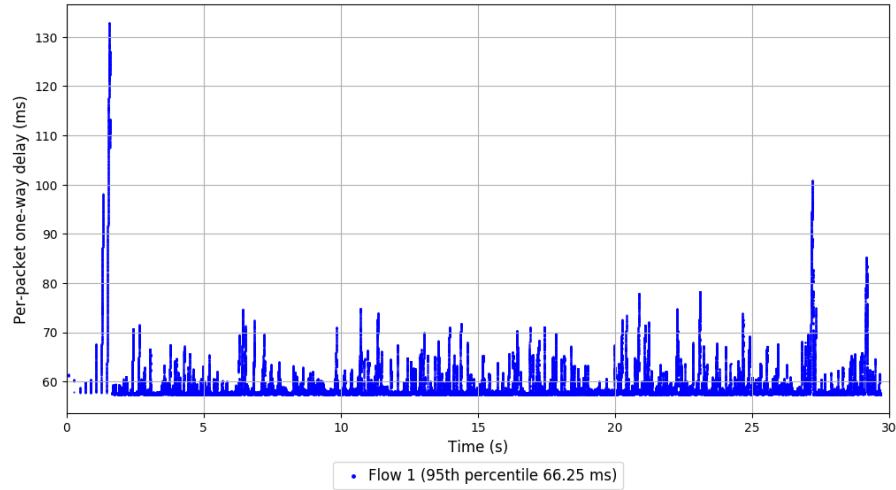
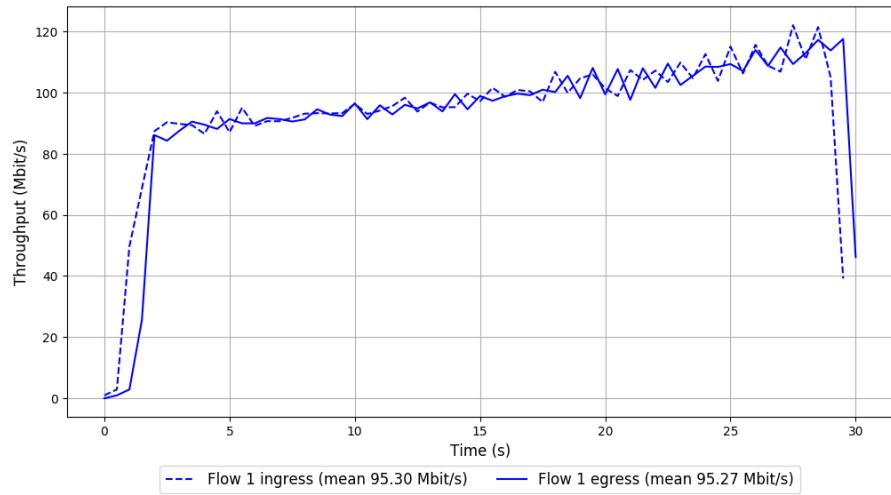


Run 5: Statistics of Indigo

```
Start at: 2019-06-27 04:13:00
End at: 2019-06-27 04:13:30
Local clock offset: 4.078 ms
Remote clock offset: -41.538 ms

# Below is generated by plot.py at 2019-06-27 04:58:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 66.249 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 95.27 Mbit/s
95th percentile per-packet one-way delay: 66.249 ms
Loss rate: 0.04%
```

Run 5: Report of Indigo — Data Link

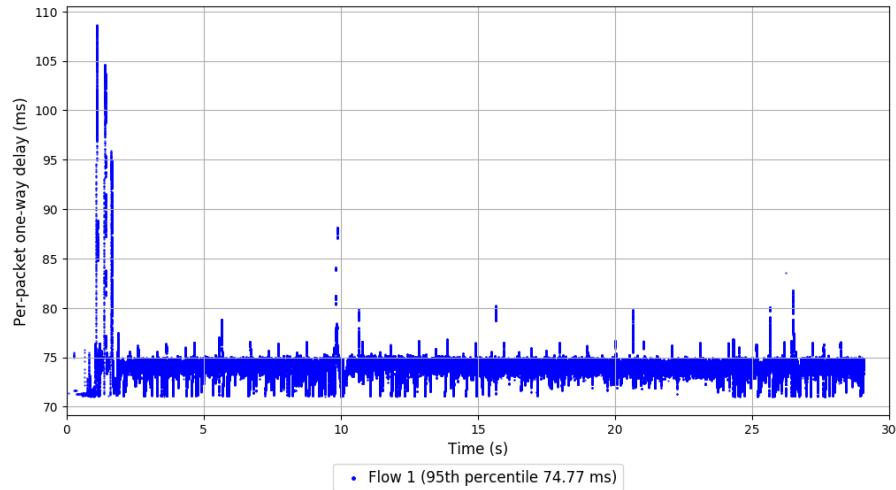
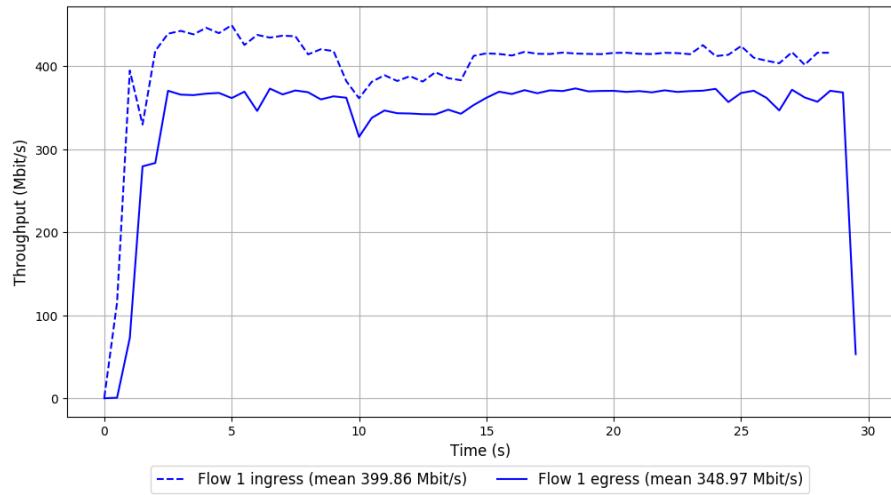


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-06-27 02:36:01
End at: 2019-06-27 02:36:31
Local clock offset: -2.946 ms
Remote clock offset: -28.689 ms

# Below is generated by plot.py at 2019-06-27 04:58:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 348.97 Mbit/s
95th percentile per-packet one-way delay: 74.765 ms
Loss rate: 12.72%
-- Flow 1:
Average throughput: 348.97 Mbit/s
95th percentile per-packet one-way delay: 74.765 ms
Loss rate: 12.72%
```

Run 1: Report of Indigo-MusesC3 — Data Link

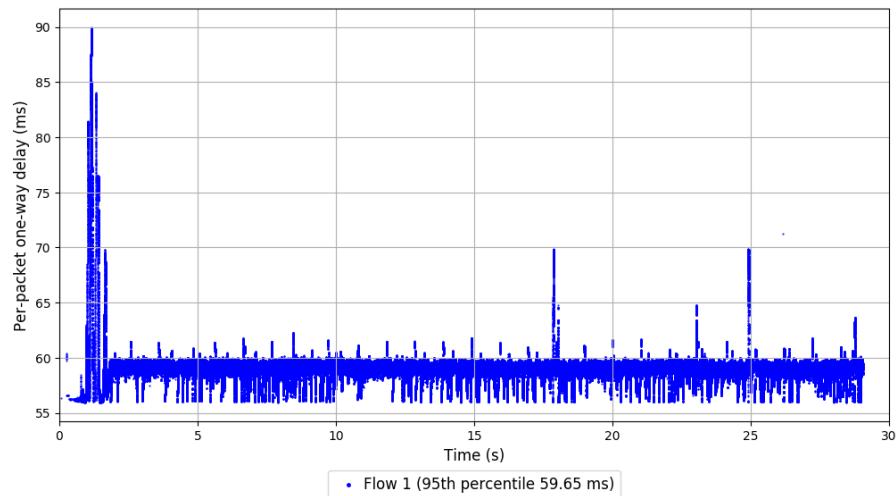
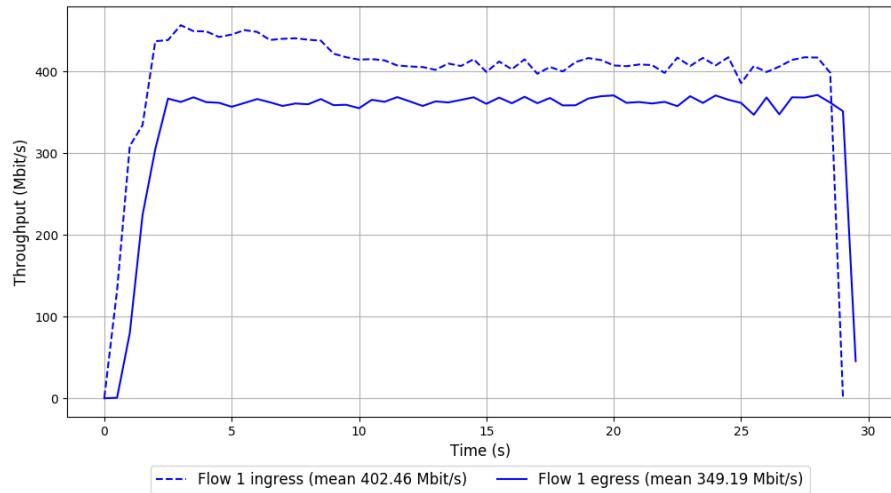


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-06-27 03:04:42
End at: 2019-06-27 03:05:12
Local clock offset: -2.333 ms
Remote clock offset: -43.281 ms

# Below is generated by plot.py at 2019-06-27 04:58:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 349.19 Mbit/s
95th percentile per-packet one-way delay: 59.649 ms
Loss rate: 13.24%
-- Flow 1:
Average throughput: 349.19 Mbit/s
95th percentile per-packet one-way delay: 59.649 ms
Loss rate: 13.24%
```

Run 2: Report of Indigo-MusesC3 — Data Link

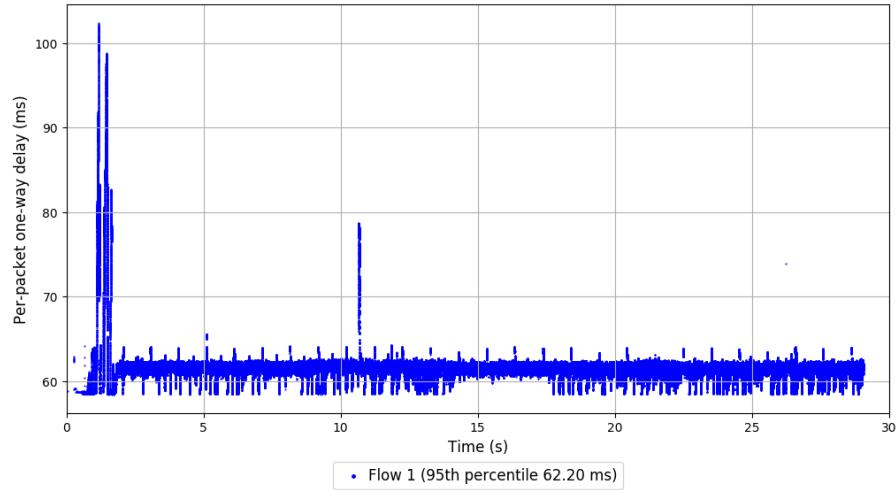
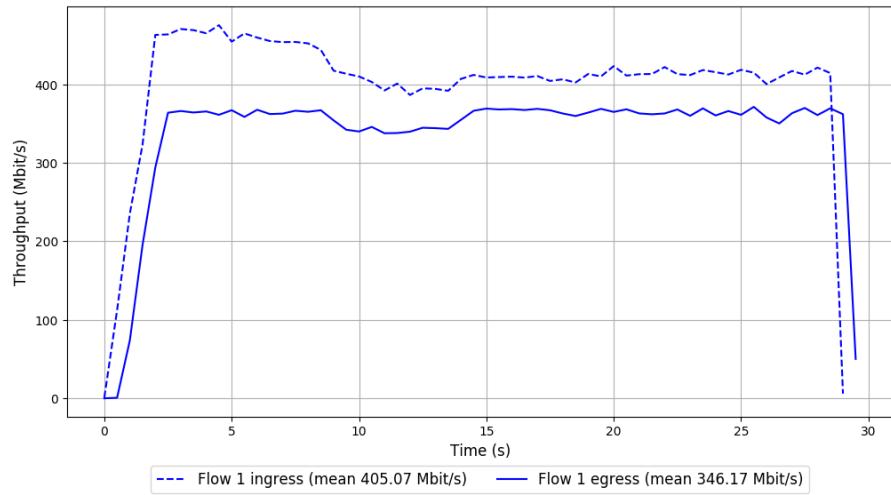


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-06-27 03:33:27
End at: 2019-06-27 03:33:57
Local clock offset: -3.56 ms
Remote clock offset: -40.725 ms

# Below is generated by plot.py at 2019-06-27 04:58:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 346.17 Mbit/s
95th percentile per-packet one-way delay: 62.199 ms
Loss rate: 14.53%
-- Flow 1:
Average throughput: 346.17 Mbit/s
95th percentile per-packet one-way delay: 62.199 ms
Loss rate: 14.53%
```

Run 3: Report of Indigo-MusesC3 — Data Link

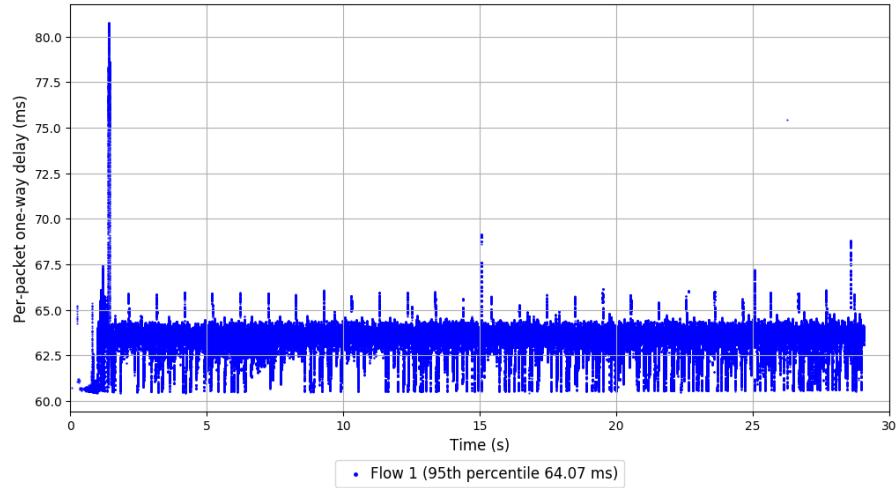
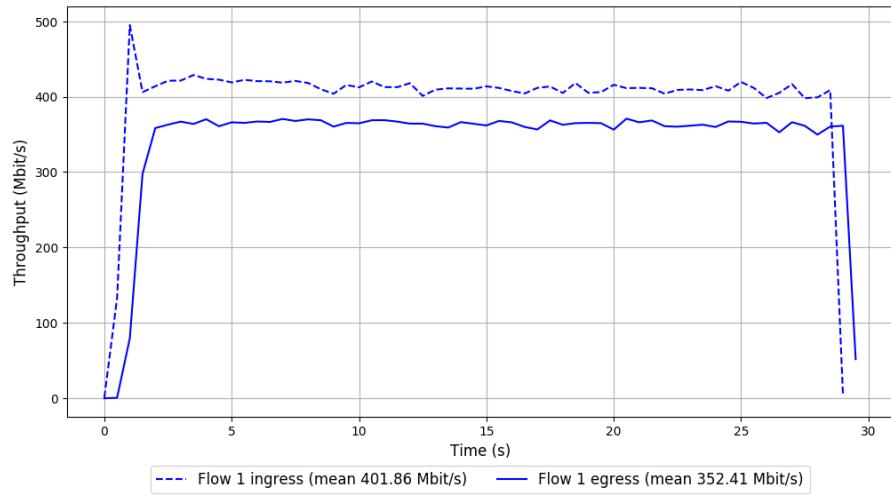


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-06-27 04:02:13
End at: 2019-06-27 04:02:43
Local clock offset: 1.915 ms
Remote clock offset: -38.997 ms

# Below is generated by plot.py at 2019-06-27 04:58:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 352.41 Mbit/s
95th percentile per-packet one-way delay: 64.073 ms
Loss rate: 12.29%
-- Flow 1:
Average throughput: 352.41 Mbit/s
95th percentile per-packet one-way delay: 64.073 ms
Loss rate: 12.29%
```

Run 4: Report of Indigo-MusesC3 — Data Link

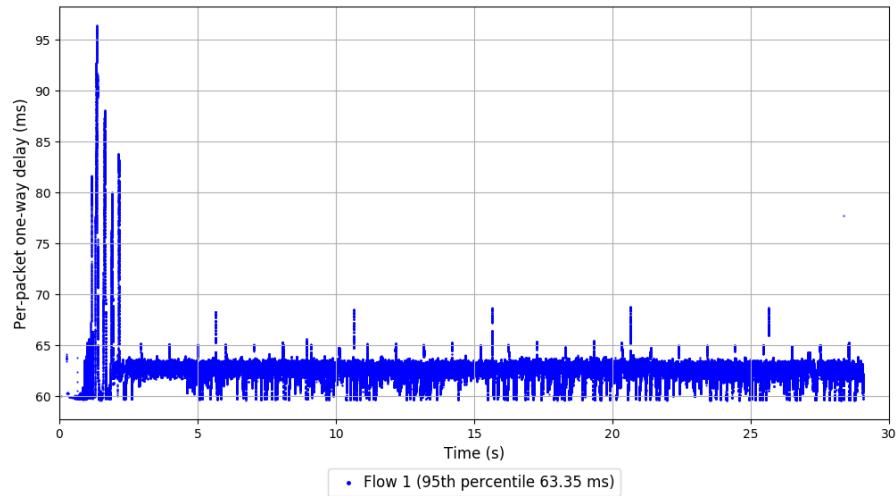
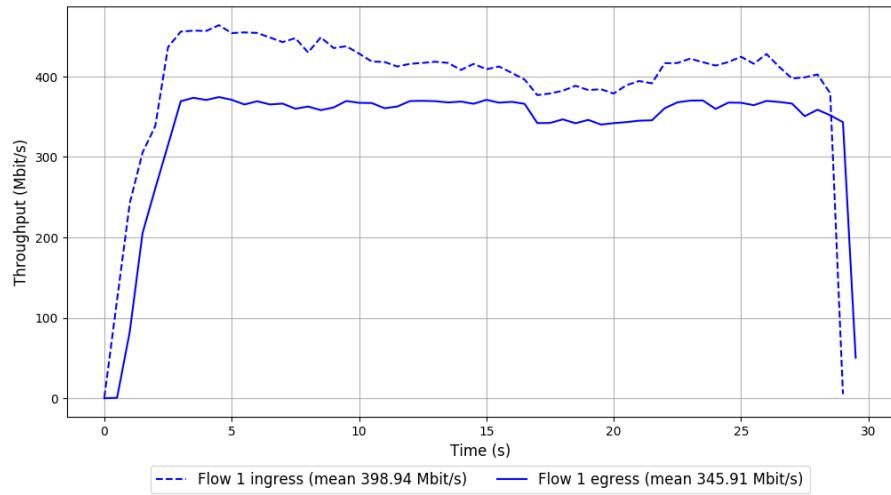


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-06-27 04:30:51
End at: 2019-06-27 04:31:21
Local clock offset: -0.308 ms
Remote clock offset: -39.106 ms

# Below is generated by plot.py at 2019-06-27 04:58:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 345.91 Mbit/s
95th percentile per-packet one-way delay: 63.346 ms
Loss rate: 13.29%
-- Flow 1:
Average throughput: 345.91 Mbit/s
95th percentile per-packet one-way delay: 63.346 ms
Loss rate: 13.29%
```

Run 5: Report of Indigo-MusesC3 — Data Link

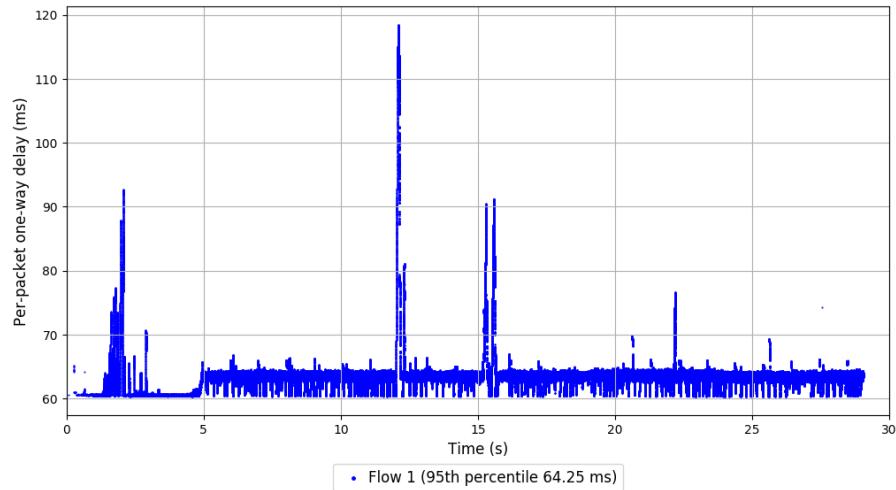
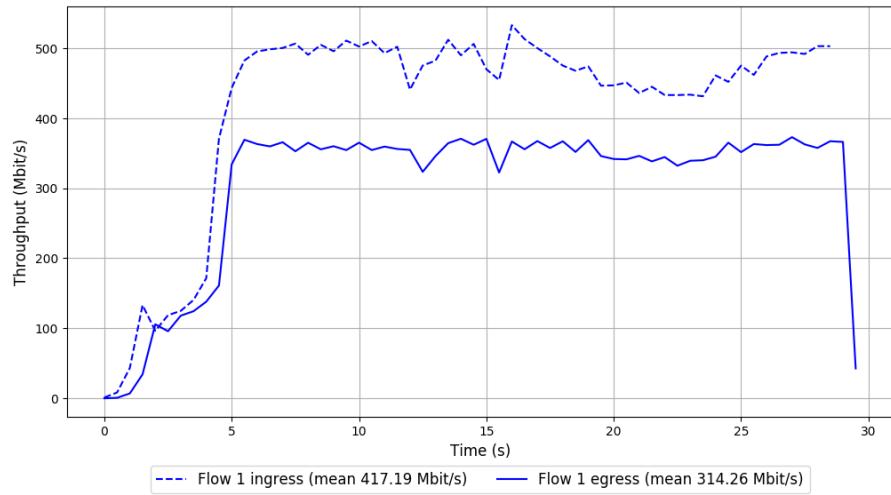


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-06-27 02:39:56
End at: 2019-06-27 02:40:26
Local clock offset: -2.151 ms
Remote clock offset: -38.186 ms

# Below is generated by plot.py at 2019-06-27 04:58:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 314.26 Mbit/s
95th percentile per-packet one-way delay: 64.251 ms
Loss rate: 24.66%
-- Flow 1:
Average throughput: 314.26 Mbit/s
95th percentile per-packet one-way delay: 64.251 ms
Loss rate: 24.66%
```

Run 1: Report of Indigo-MusesC5 — Data Link

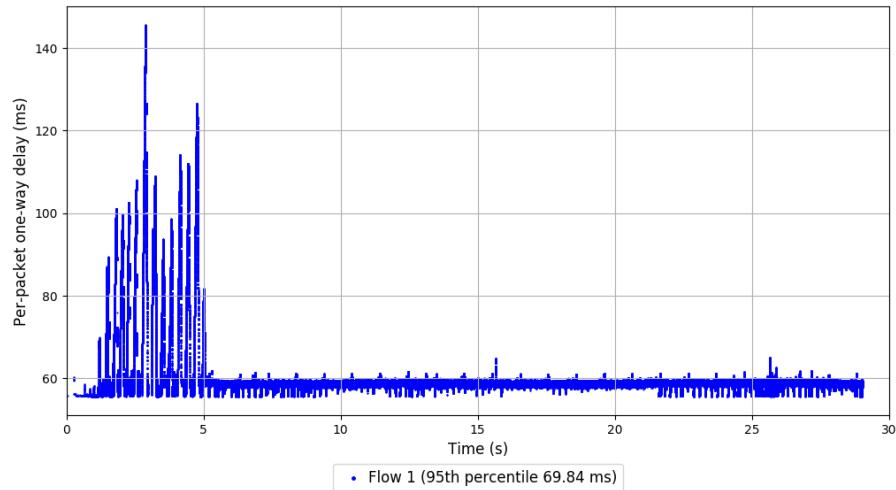
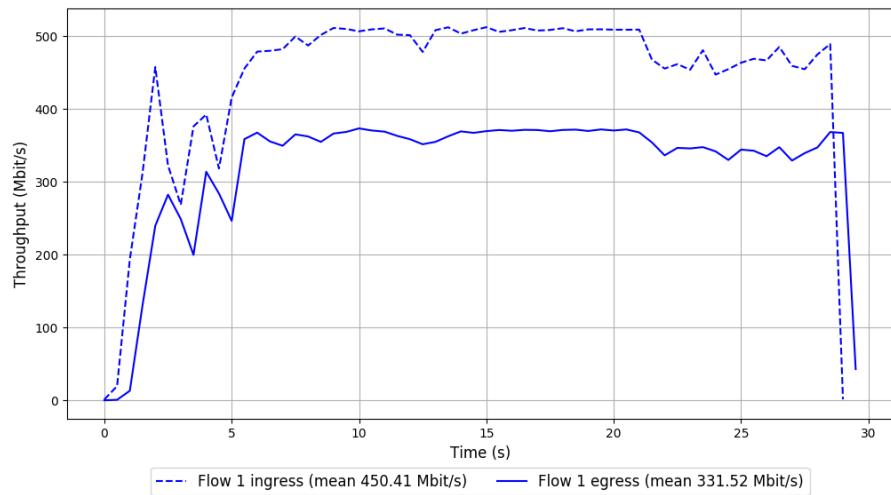


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-06-27 03:08:37
End at: 2019-06-27 03:09:07
Local clock offset: -1.253 ms
Remote clock offset: -42.61 ms

# Below is generated by plot.py at 2019-06-27 05:01:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 331.52 Mbit/s
95th percentile per-packet one-way delay: 69.840 ms
Loss rate: 26.39%
-- Flow 1:
Average throughput: 331.52 Mbit/s
95th percentile per-packet one-way delay: 69.840 ms
Loss rate: 26.39%
```

Run 2: Report of Indigo-MusesC5 — Data Link

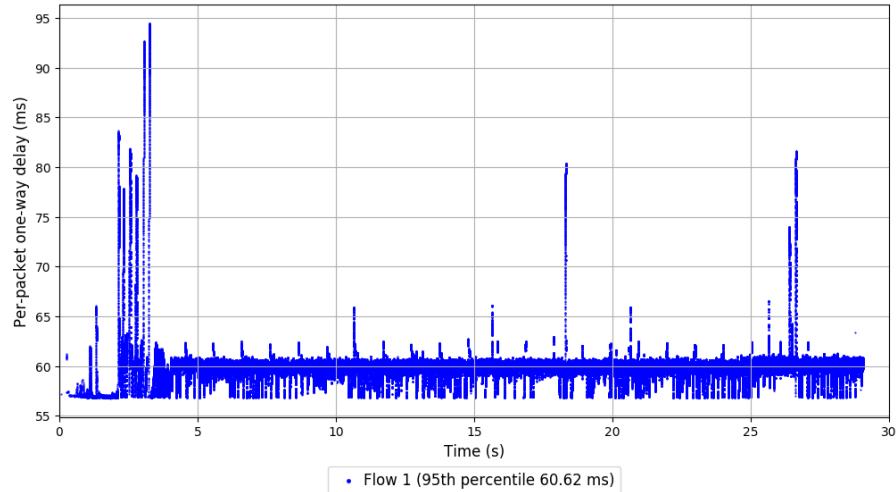
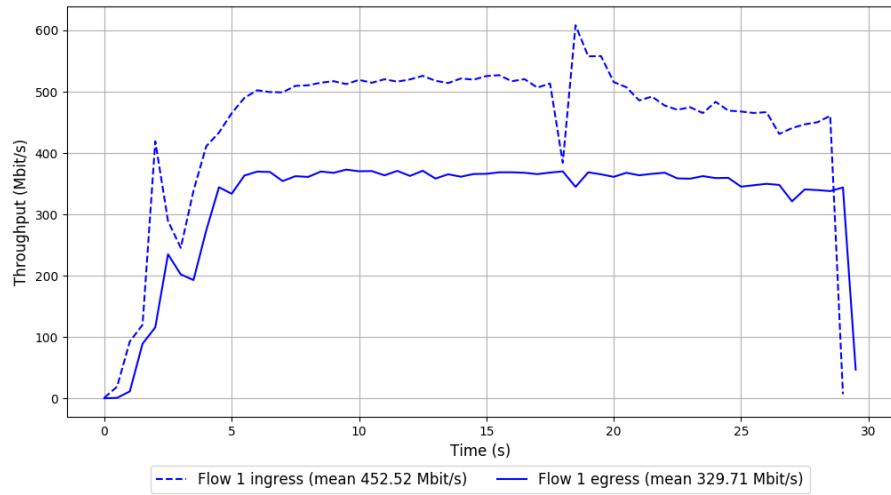


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-06-27 03:37:20
End at: 2019-06-27 03:37:50
Local clock offset: -3.097 ms
Remote clock offset: -41.395 ms

# Below is generated by plot.py at 2019-06-27 05:01:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 329.71 Mbit/s
95th percentile per-packet one-way delay: 60.620 ms
Loss rate: 27.13%
-- Flow 1:
Average throughput: 329.71 Mbit/s
95th percentile per-packet one-way delay: 60.620 ms
Loss rate: 27.13%
```

Run 3: Report of Indigo-MusesC5 — Data Link

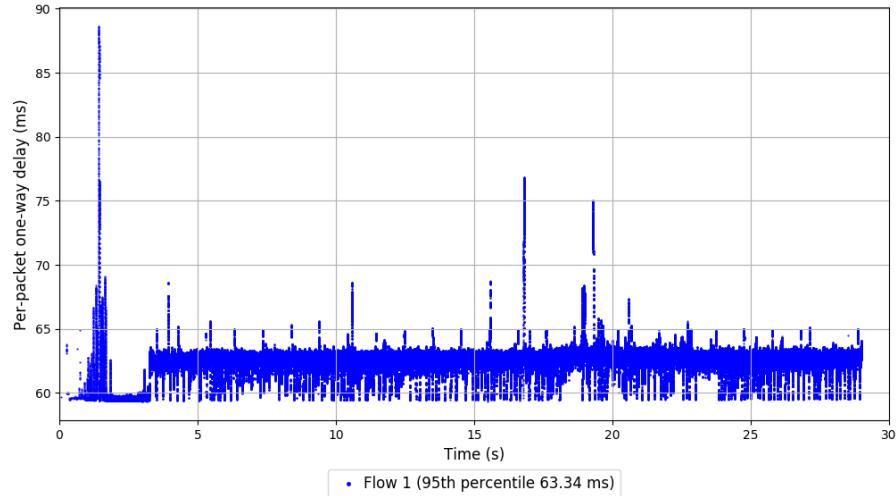
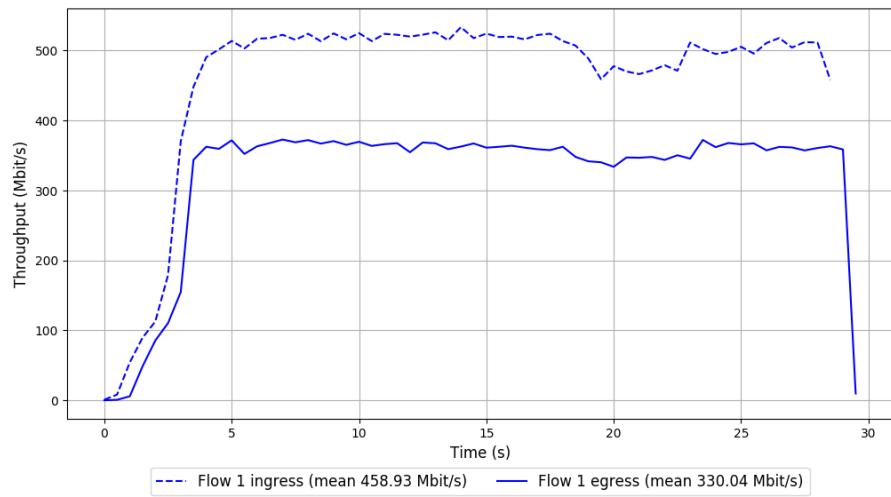


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-06-27 04:06:07
End at: 2019-06-27 04:06:37
Local clock offset: 2.671 ms
Remote clock offset: -40.362 ms

# Below is generated by plot.py at 2019-06-27 05:01:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 330.04 Mbit/s
95th percentile per-packet one-way delay: 63.345 ms
Loss rate: 28.08%
-- Flow 1:
Average throughput: 330.04 Mbit/s
95th percentile per-packet one-way delay: 63.345 ms
Loss rate: 28.08%
```

Run 4: Report of Indigo-MusesC5 — Data Link

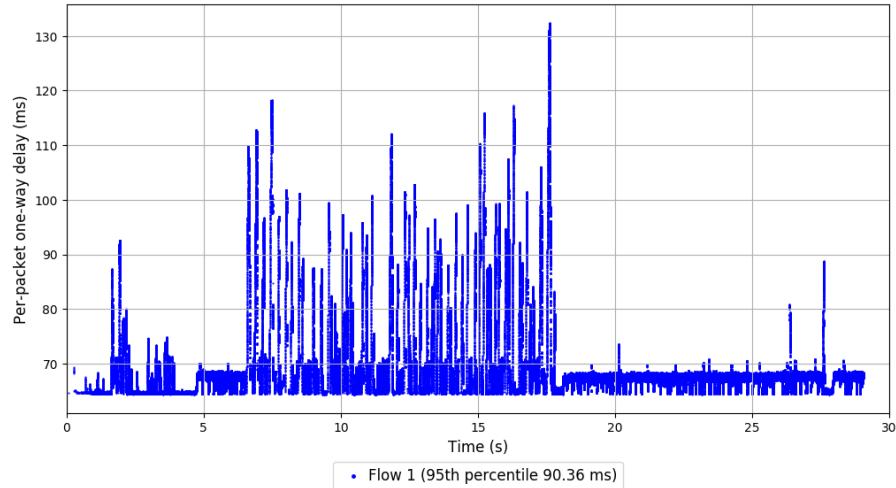
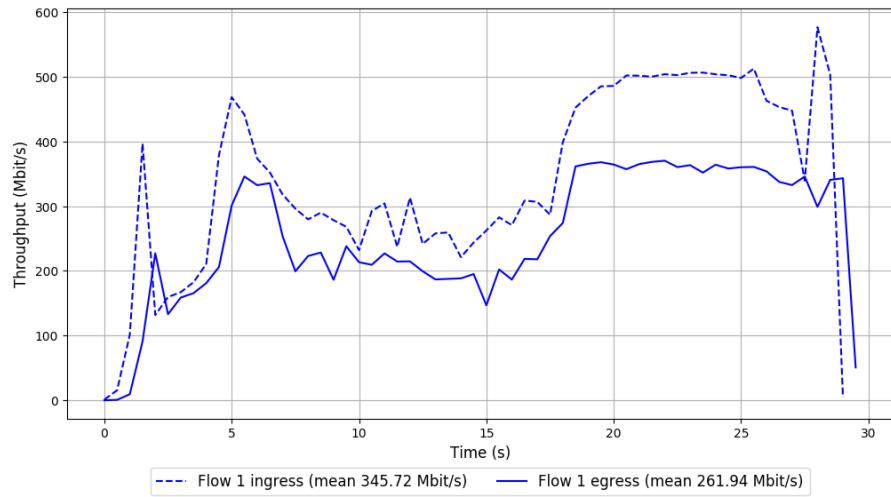


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-06-27 04:34:45
End at: 2019-06-27 04:35:15
Local clock offset: -1.424 ms
Remote clock offset: -35.229 ms

# Below is generated by plot.py at 2019-06-27 05:01:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 261.94 Mbit/s
95th percentile per-packet one-way delay: 90.360 ms
Loss rate: 24.22%
-- Flow 1:
Average throughput: 261.94 Mbit/s
95th percentile per-packet one-way delay: 90.360 ms
Loss rate: 24.22%
```

Run 5: Report of Indigo-MusesC5 — Data Link

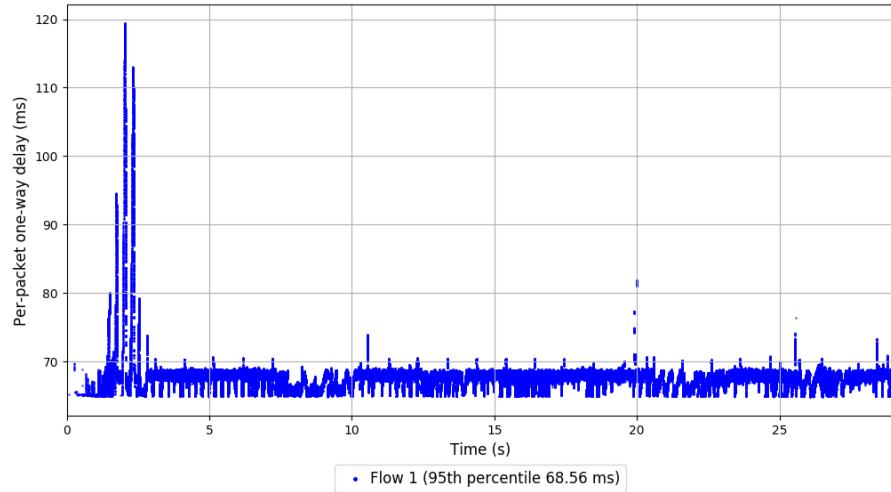
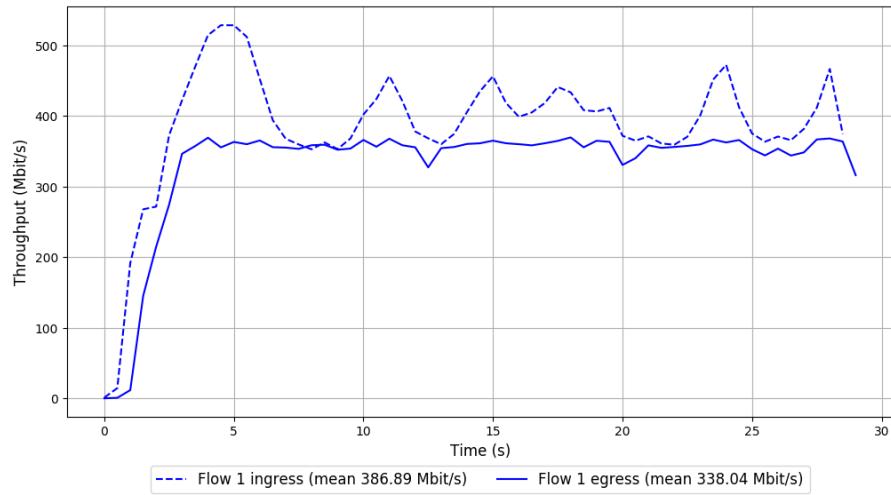


```
Run 1: Statistics of Indigo-MusesD
```

```
Start at: 2019-06-27 02:25:52
End at: 2019-06-27 02:26:22
Local clock offset: -4.212 ms
Remote clock offset: -38.238 ms

# Below is generated by plot.py at 2019-06-27 05:02:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 338.04 Mbit/s
95th percentile per-packet one-way delay: 68.564 ms
Loss rate: 12.62%
-- Flow 1:
Average throughput: 338.04 Mbit/s
95th percentile per-packet one-way delay: 68.564 ms
Loss rate: 12.62%
```

Run 1: Report of Indigo-MusesD — Data Link

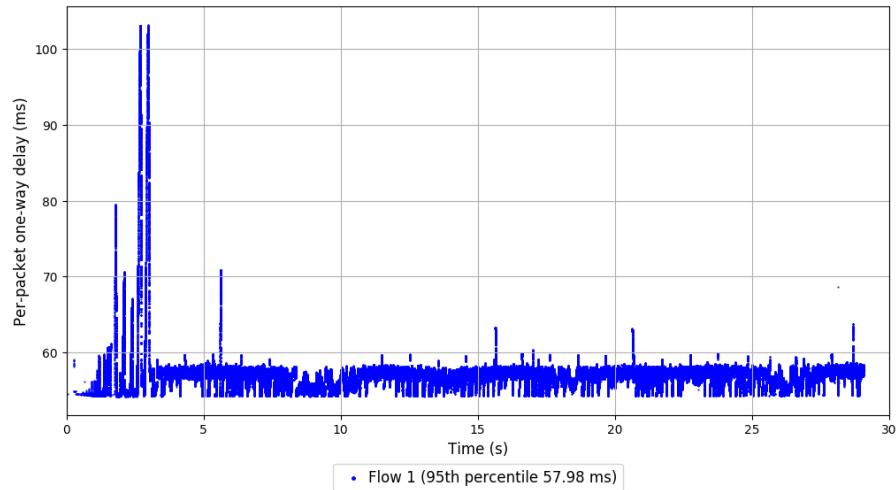
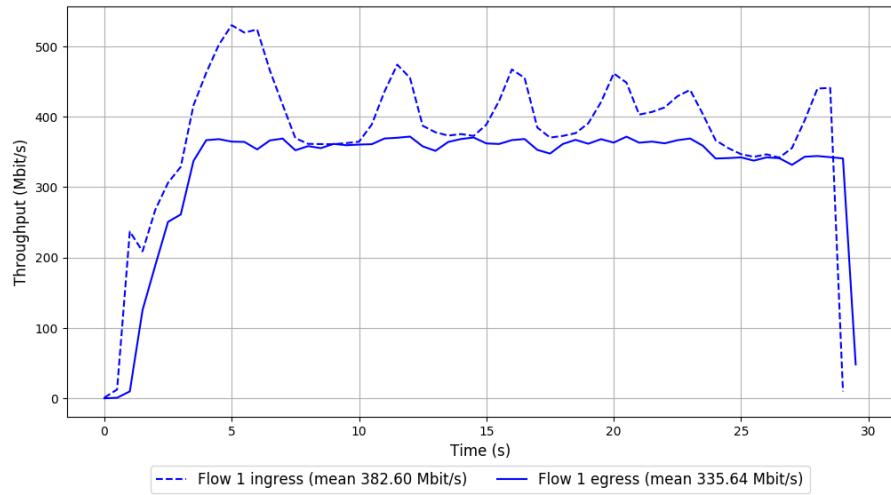


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-06-27 02:54:38
End at: 2019-06-27 02:55:08
Local clock offset: -2.418 ms
Remote clock offset: -45.03 ms

# Below is generated by plot.py at 2019-06-27 05:02:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 335.64 Mbit/s
95th percentile per-packet one-way delay: 57.983 ms
Loss rate: 12.26%
-- Flow 1:
Average throughput: 335.64 Mbit/s
95th percentile per-packet one-way delay: 57.983 ms
Loss rate: 12.26%
```

Run 2: Report of Indigo-MusesD — Data Link

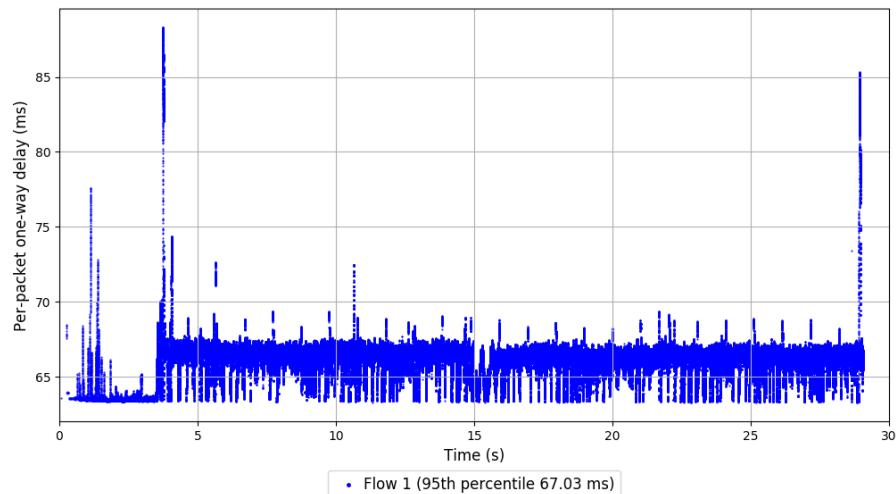
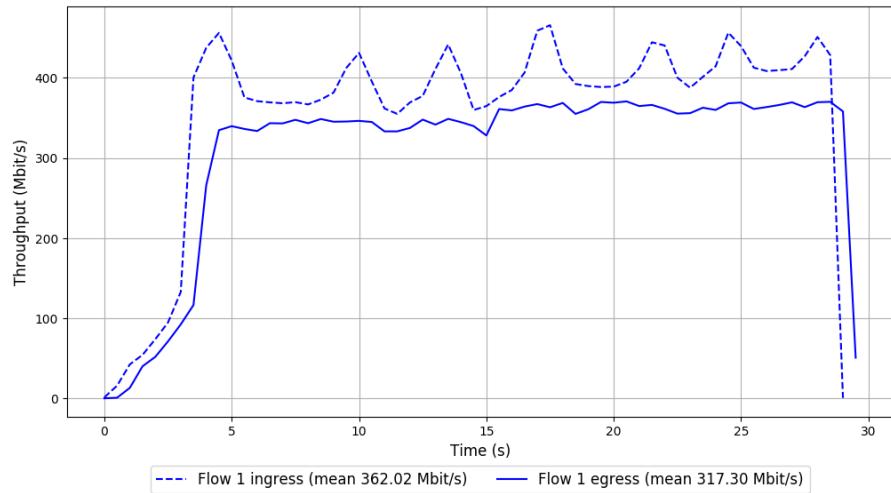


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-06-27 03:23:20
End at: 2019-06-27 03:23:50
Local clock offset: -2.679 ms
Remote clock offset: -35.277 ms

# Below is generated by plot.py at 2019-06-27 05:02:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 317.30 Mbit/s
95th percentile per-packet one-way delay: 67.034 ms
Loss rate: 12.34%
-- Flow 1:
Average throughput: 317.30 Mbit/s
95th percentile per-packet one-way delay: 67.034 ms
Loss rate: 12.34%
```

Run 3: Report of Indigo-MusesD — Data Link

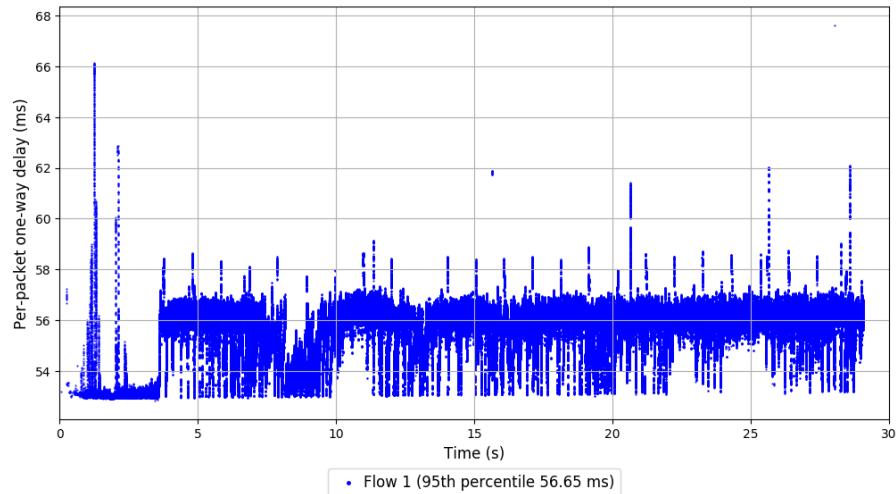
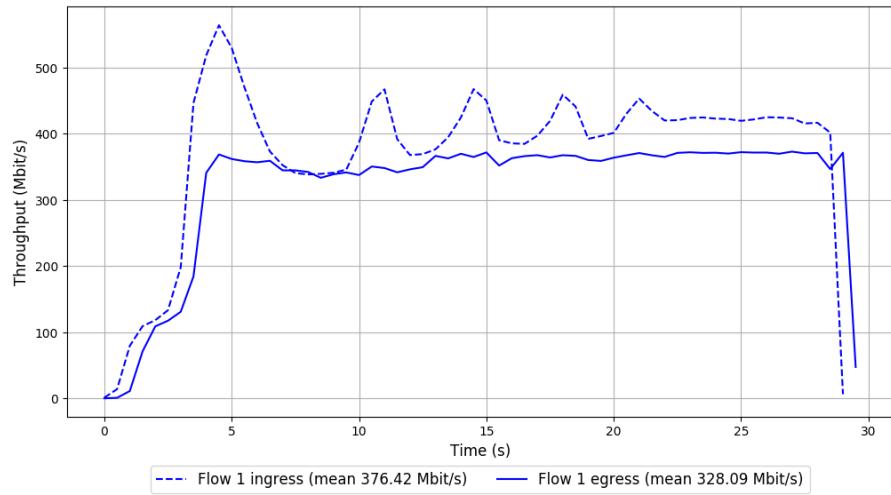


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-06-27 03:52:06
End at: 2019-06-27 03:52:36
Local clock offset: -1.242 ms
Remote clock offset: -46.037 ms

# Below is generated by plot.py at 2019-06-27 05:02:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 328.09 Mbit/s
95th percentile per-packet one-way delay: 56.648 ms
Loss rate: 12.83%
-- Flow 1:
Average throughput: 328.09 Mbit/s
95th percentile per-packet one-way delay: 56.648 ms
Loss rate: 12.83%
```

Run 4: Report of Indigo-MusesD — Data Link

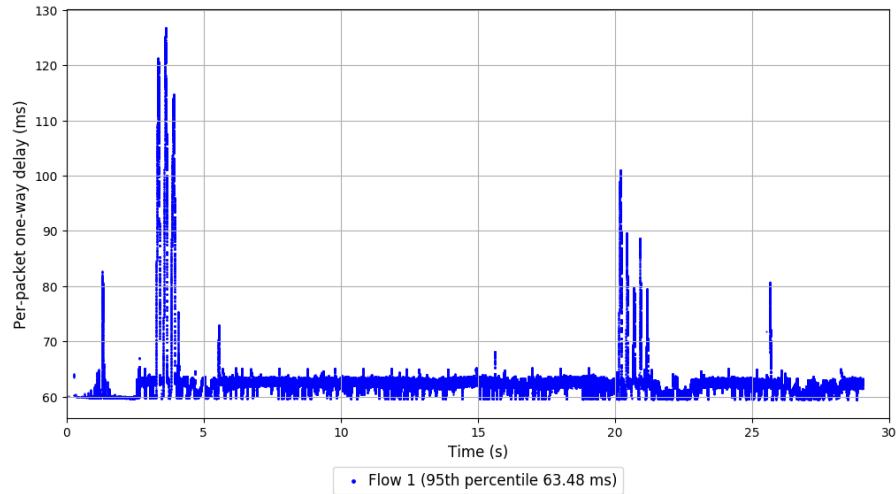
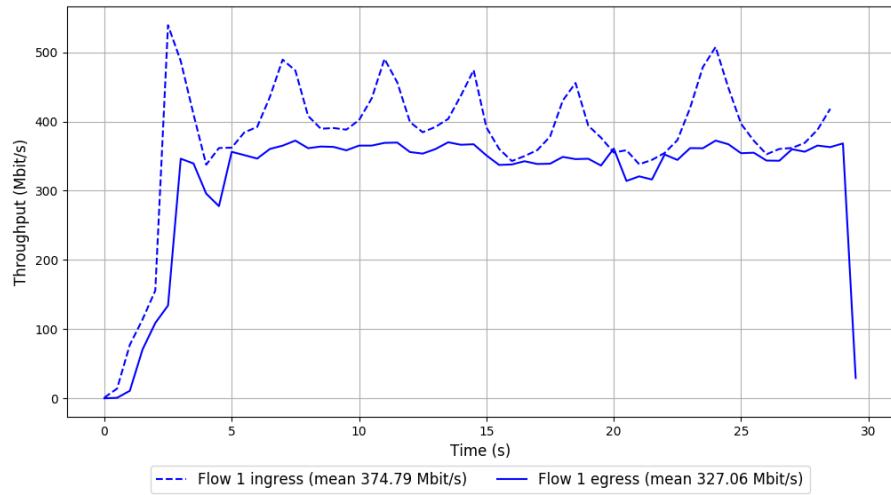


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-06-27 04:20:44
End at: 2019-06-27 04:21:14
Local clock offset: 2.802 ms
Remote clock offset: -39.746 ms

# Below is generated by plot.py at 2019-06-27 05:05:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 327.06 Mbit/s
95th percentile per-packet one-way delay: 63.483 ms
Loss rate: 12.73%
-- Flow 1:
Average throughput: 327.06 Mbit/s
95th percentile per-packet one-way delay: 63.483 ms
Loss rate: 12.73%
```

Run 5: Report of Indigo-MusesD — Data Link

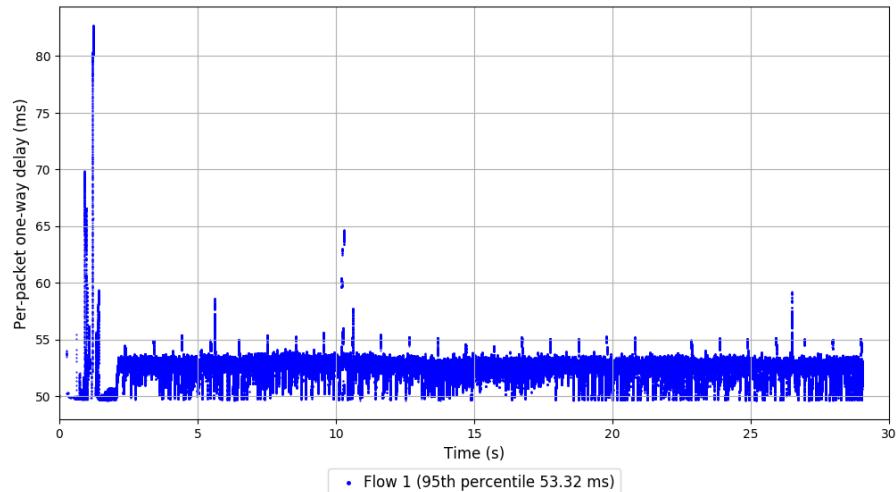
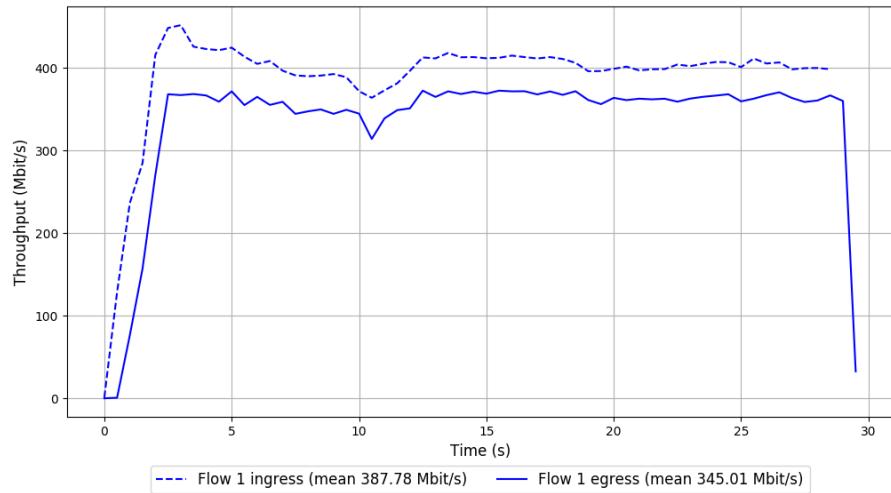


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-06-27 02:44:01
End at: 2019-06-27 02:44:31
Local clock offset: -3.099 ms
Remote clock offset: -49.387 ms

# Below is generated by plot.py at 2019-06-27 05:05:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 345.01 Mbit/s
95th percentile per-packet one-way delay: 53.320 ms
Loss rate: 11.02%
-- Flow 1:
Average throughput: 345.01 Mbit/s
95th percentile per-packet one-way delay: 53.320 ms
Loss rate: 11.02%
```

Run 1: Report of Indigo-MusesT — Data Link

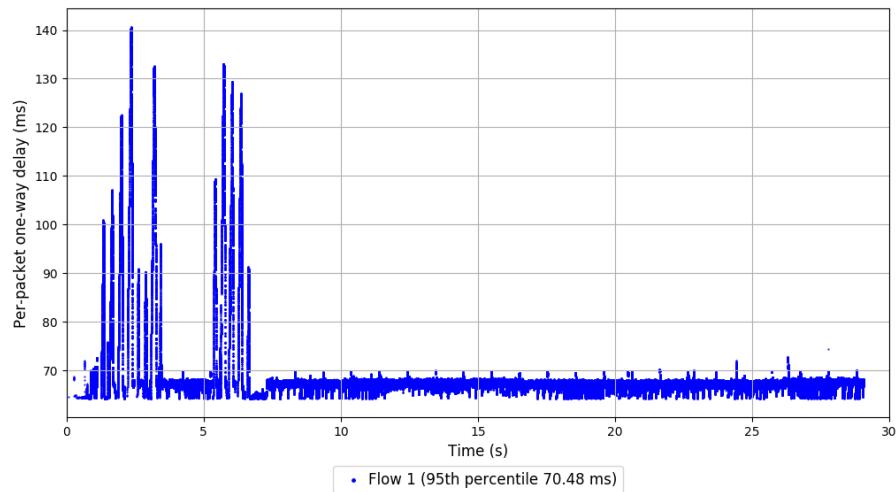
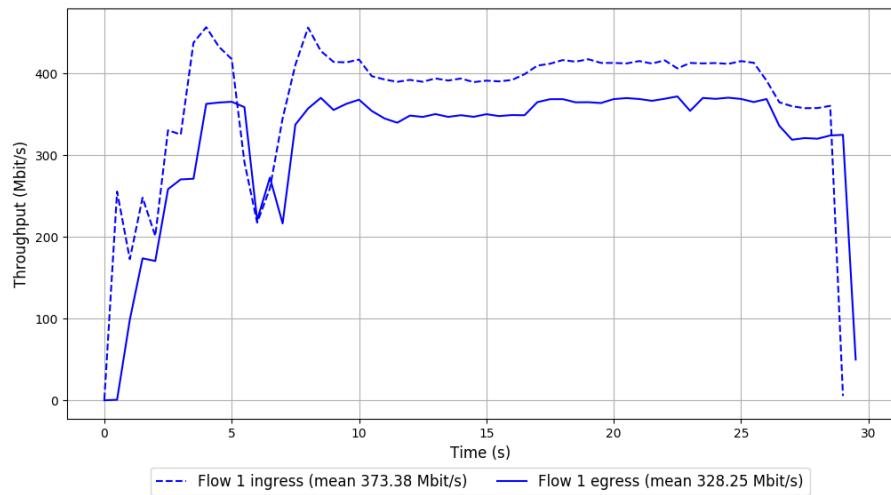


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-06-27 03:12:43
End at: 2019-06-27 03:13:13
Local clock offset: -2.148 ms
Remote clock offset: -35.181 ms

# Below is generated by plot.py at 2019-06-27 05:05:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 328.25 Mbit/s
95th percentile per-packet one-way delay: 70.479 ms
Loss rate: 12.08%
-- Flow 1:
Average throughput: 328.25 Mbit/s
95th percentile per-packet one-way delay: 70.479 ms
Loss rate: 12.08%
```

Run 2: Report of Indigo-MusesT — Data Link

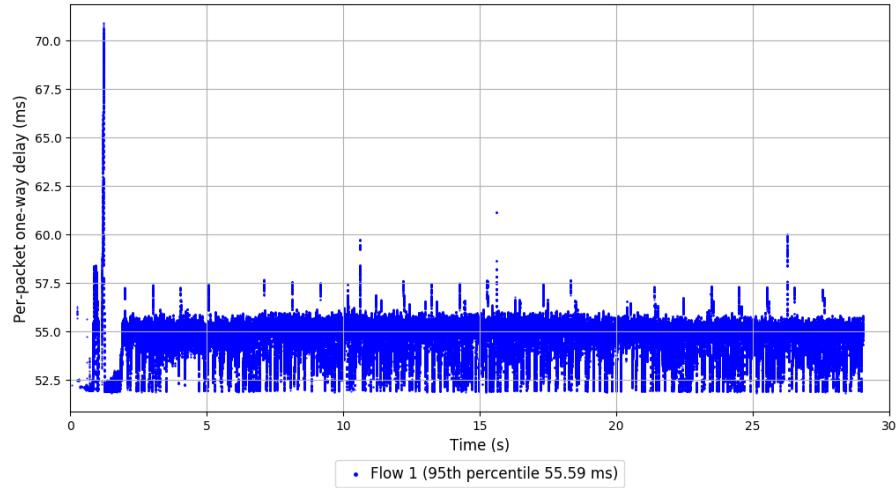
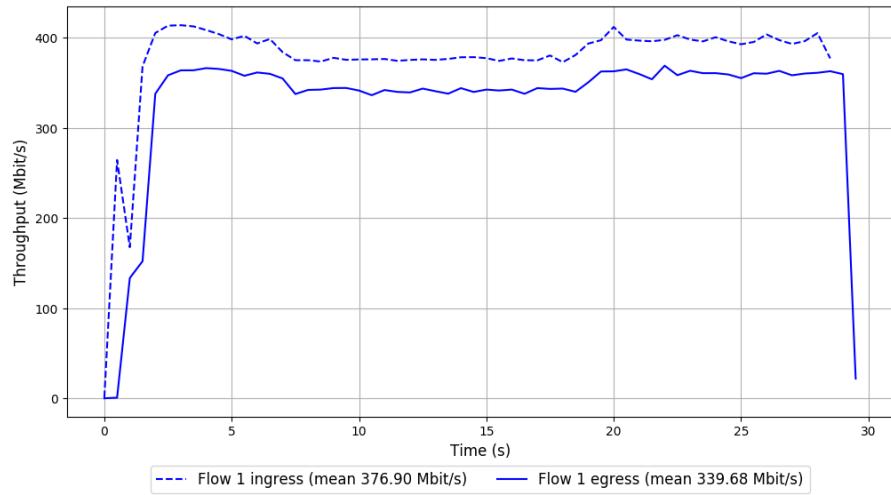


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-06-27 03:41:27
End at: 2019-06-27 03:41:57
Local clock offset: -3.484 ms
Remote clock offset: -46.771 ms

# Below is generated by plot.py at 2019-06-27 05:05:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 339.68 Mbit/s
95th percentile per-packet one-way delay: 55.590 ms
Loss rate: 9.87%
-- Flow 1:
Average throughput: 339.68 Mbit/s
95th percentile per-packet one-way delay: 55.590 ms
Loss rate: 9.87%
```

Run 3: Report of Indigo-MusesT — Data Link

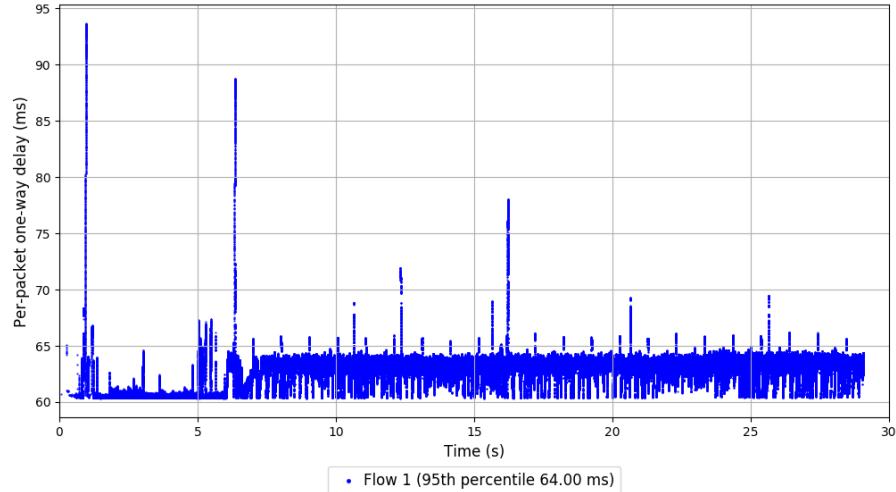
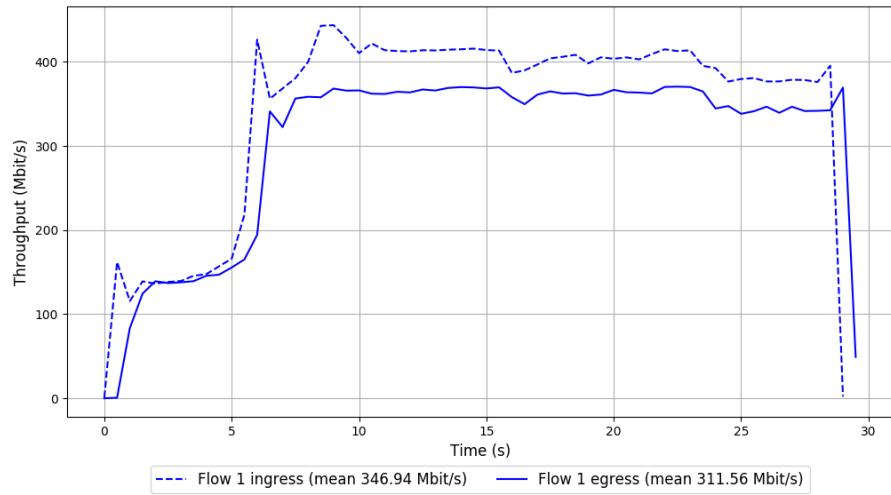


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-06-27 04:10:12
End at: 2019-06-27 04:10:42
Local clock offset: 3.31 ms
Remote clock offset: -39.197 ms

# Below is generated by plot.py at 2019-06-27 05:05:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 311.56 Mbit/s
95th percentile per-packet one-way delay: 64.003 ms
Loss rate: 10.19%
-- Flow 1:
Average throughput: 311.56 Mbit/s
95th percentile per-packet one-way delay: 64.003 ms
Loss rate: 10.19%
```

Run 4: Report of Indigo-MusesT — Data Link

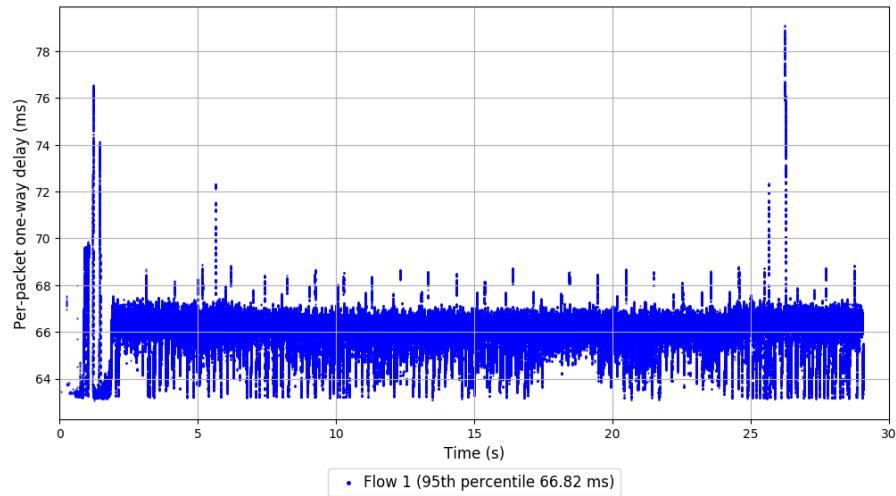
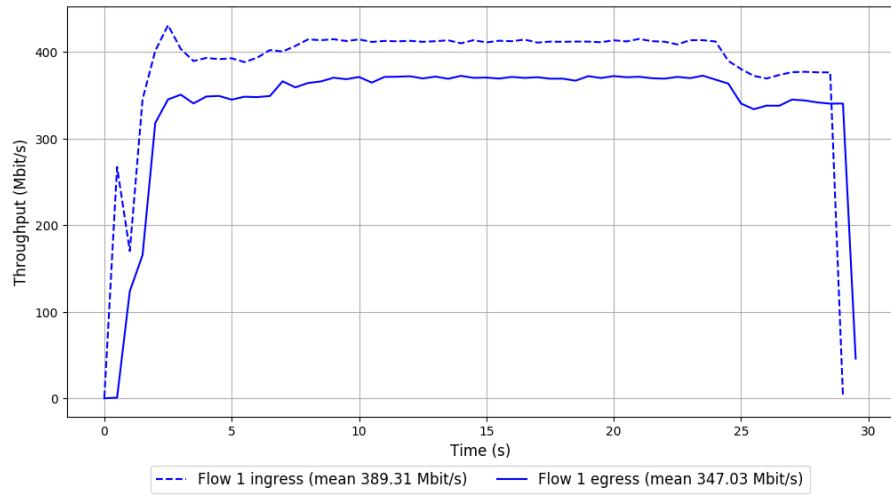


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-06-27 04:38:49
End at: 2019-06-27 04:39:19
Local clock offset: -1.753 ms
Remote clock offset: -36.196 ms

# Below is generated by plot.py at 2019-06-27 05:06:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 347.03 Mbit/s
95th percentile per-packet one-way delay: 66.820 ms
Loss rate: 10.86%
-- Flow 1:
Average throughput: 347.03 Mbit/s
95th percentile per-packet one-way delay: 66.820 ms
Loss rate: 10.86%
```

Run 5: Report of Indigo-MusesT — Data Link

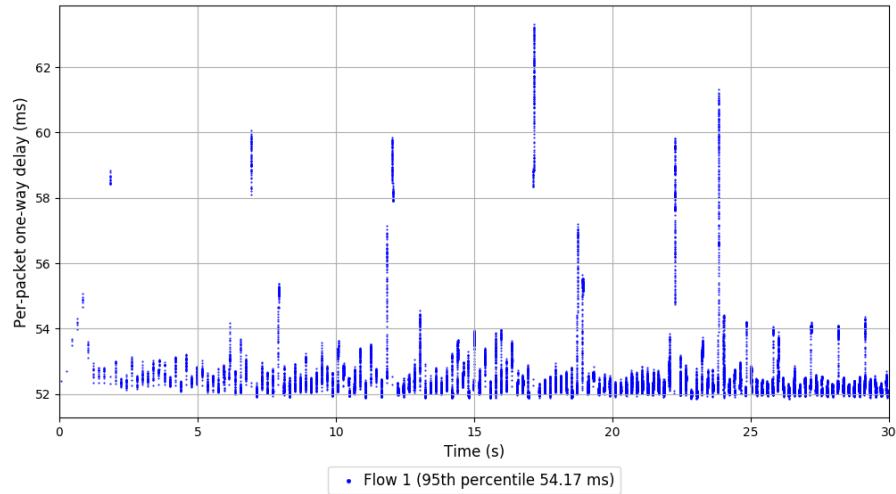
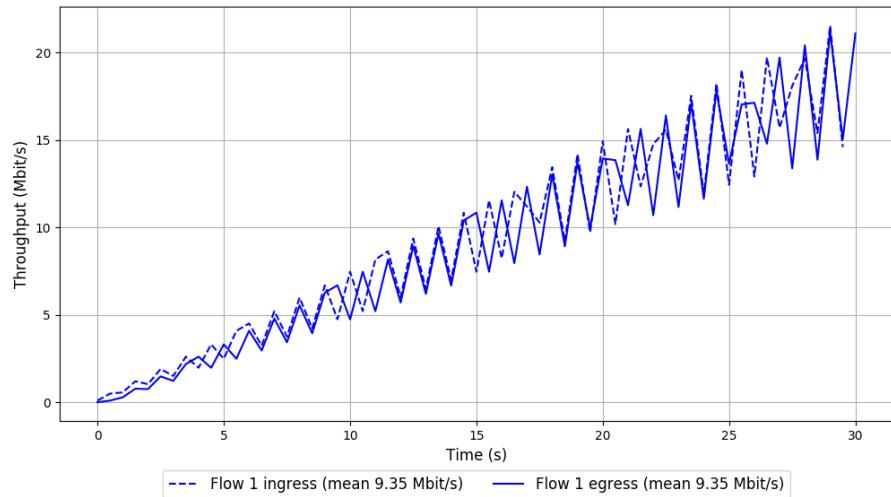


Run 1: Statistics of LEDBAT

```
Start at: 2019-06-27 02:31:16
End at: 2019-06-27 02:31:46
Local clock offset: -1.52 ms
Remote clock offset: -47.05 ms

# Below is generated by plot.py at 2019-06-27 05:06:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.35 Mbit/s
95th percentile per-packet one-way delay: 54.174 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.35 Mbit/s
95th percentile per-packet one-way delay: 54.174 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

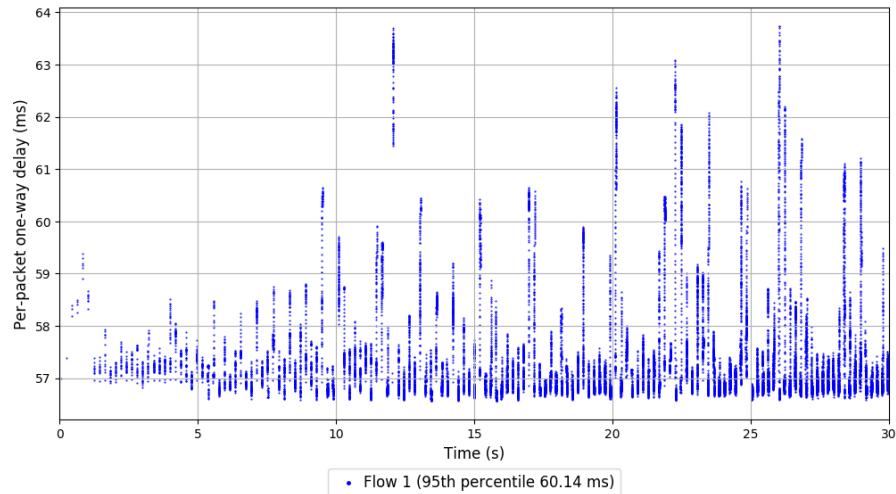
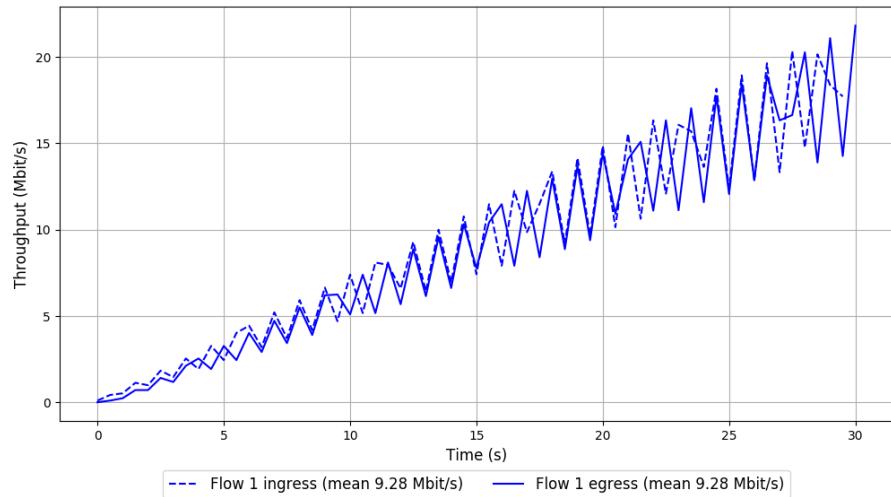


Run 2: Statistics of LEDBAT

```
Start at: 2019-06-27 03:00:01
End at: 2019-06-27 03:00:31
Local clock offset: -1.219 ms
Remote clock offset: -41.532 ms

# Below is generated by plot.py at 2019-06-27 05:06:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.28 Mbit/s
95th percentile per-packet one-way delay: 60.139 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.28 Mbit/s
95th percentile per-packet one-way delay: 60.139 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

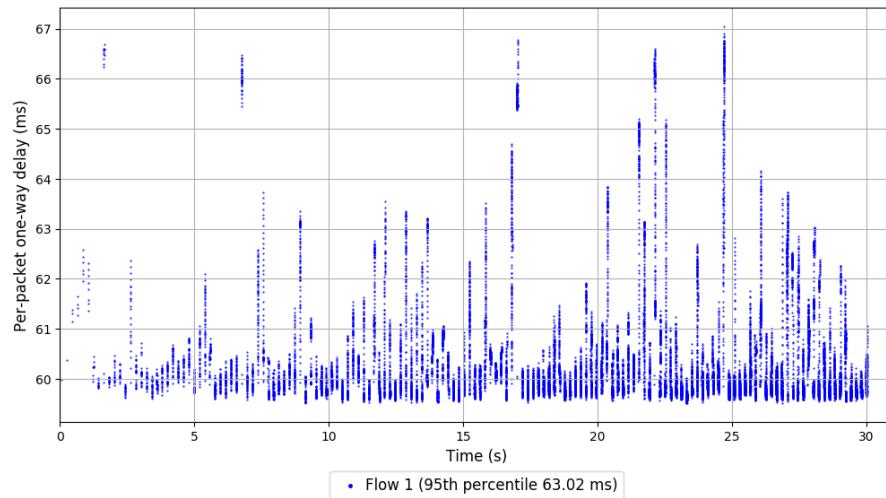
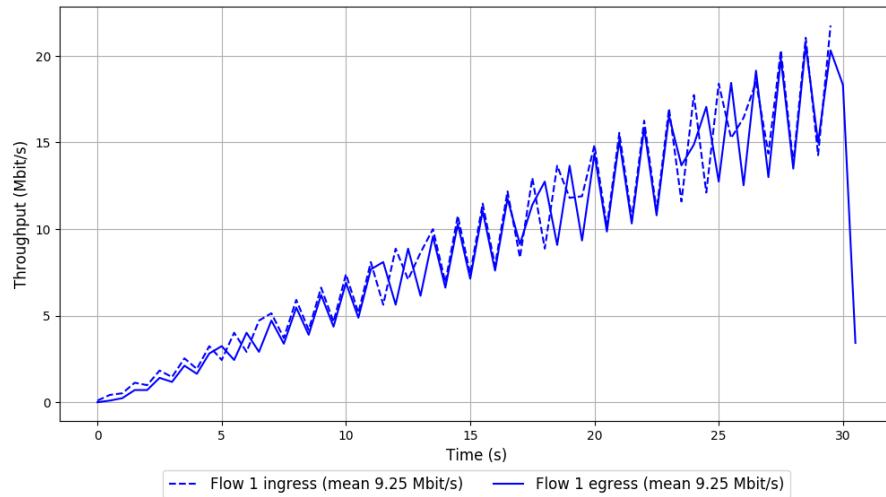


Run 3: Statistics of LEDBAT

```
Start at: 2019-06-27 03:28:46
End at: 2019-06-27 03:29:16
Local clock offset: -3.945 ms
Remote clock offset: -39.941 ms

# Below is generated by plot.py at 2019-06-27 05:06:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.25 Mbit/s
95th percentile per-packet one-way delay: 63.016 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.25 Mbit/s
95th percentile per-packet one-way delay: 63.016 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

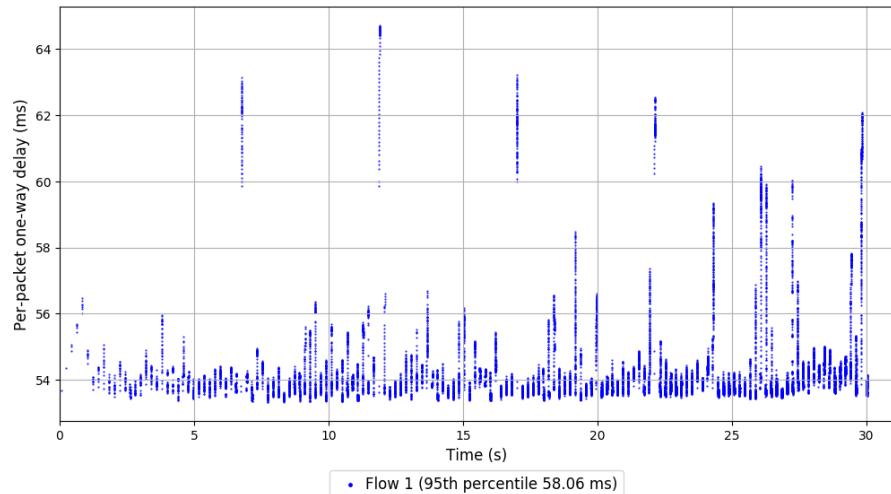
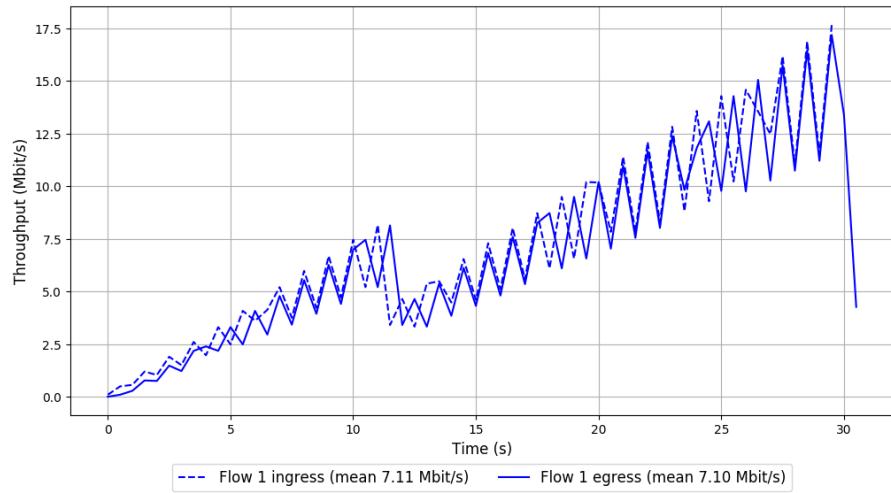


Run 4: Statistics of LEDBAT

```
Start at: 2019-06-27 03:57:33
End at: 2019-06-27 03:58:03
Local clock offset: -0.099 ms
Remote clock offset: -46.976 ms

# Below is generated by plot.py at 2019-06-27 05:06:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.10 Mbit/s
95th percentile per-packet one-way delay: 58.057 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 7.10 Mbit/s
95th percentile per-packet one-way delay: 58.057 ms
Loss rate: 0.01%
```

Run 4: Report of LEDBAT — Data Link

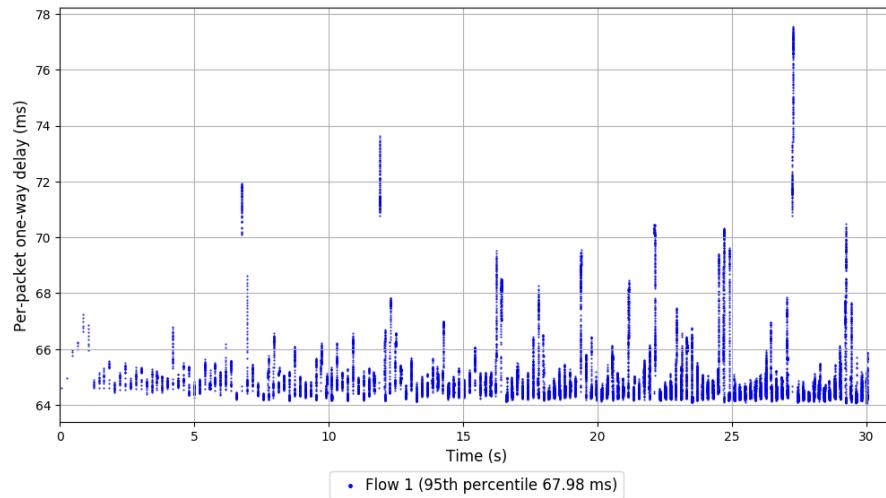
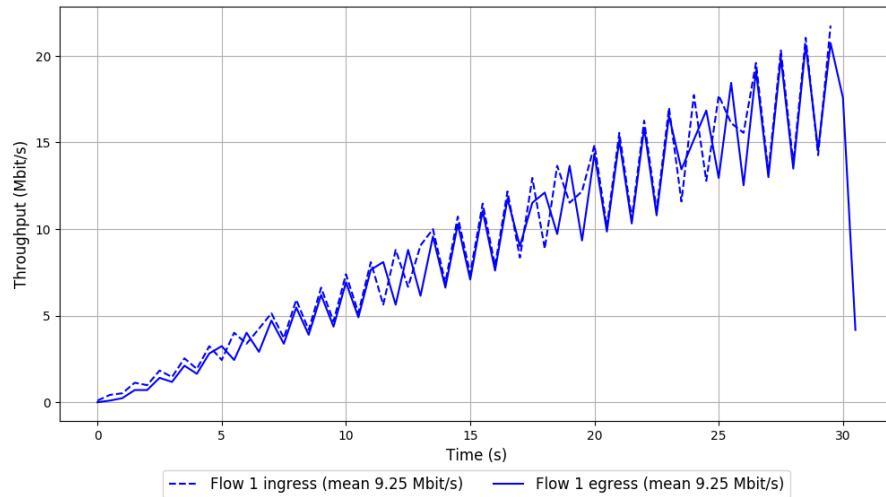


Run 5: Statistics of LEDBAT

```
Start at: 2019-06-27 04:26:10
End at: 2019-06-27 04:26:40
Local clock offset: -0.102 ms
Remote clock offset: -35.668 ms

# Below is generated by plot.py at 2019-06-27 05:06:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.25 Mbit/s
95th percentile per-packet one-way delay: 67.982 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.25 Mbit/s
95th percentile per-packet one-way delay: 67.982 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link



Run 1: Statistics of Muses_DecisionTree

Start at: 2019-06-27 02:34:52

End at: 2019-06-27 02:35:22

Local clock offset: -2.065 ms

Remote clock offset: -41.405 ms

Run 1: Report of Muses_DecisionTree — Data Link

Figure is missing

Figure is missing

Run 2: Statistics of Muses_DecisionTree

Start at: 2019-06-27 03:03:33

End at: 2019-06-27 03:04:03

Local clock offset: -1.578 ms

Remote clock offset: -32.255 ms

Run 2: Report of Muses_DecisionTree — Data Link

Figure is missing

Figure is missing

Run 3: Statistics of Muses_DecisionTree

Start at: 2019-06-27 03:32:18

End at: 2019-06-27 03:32:48

Local clock offset: -3.19 ms

Remote clock offset: -33.686 ms

Run 3: Report of Muses_DecisionTree — Data Link

Figure is missing

Figure is missing

Run 4: Statistics of Muses_DecisionTree

Start at: 2019-06-27 04:01:04

End at: 2019-06-27 04:01:34

Local clock offset: 2.335 ms

Remote clock offset: -41.716 ms

Run 4: Report of Muses_DecisionTree — Data Link

Figure is missing

Figure is missing

Run 5: Statistics of Muses_DecisionTree

Start at: 2019-06-27 04:29:42

End at: 2019-06-27 04:30:12

Local clock offset: -1.027 ms

Remote clock offset: -38.252 ms

Run 5: Report of Muses_DecisionTree — Data Link

Figure is missing

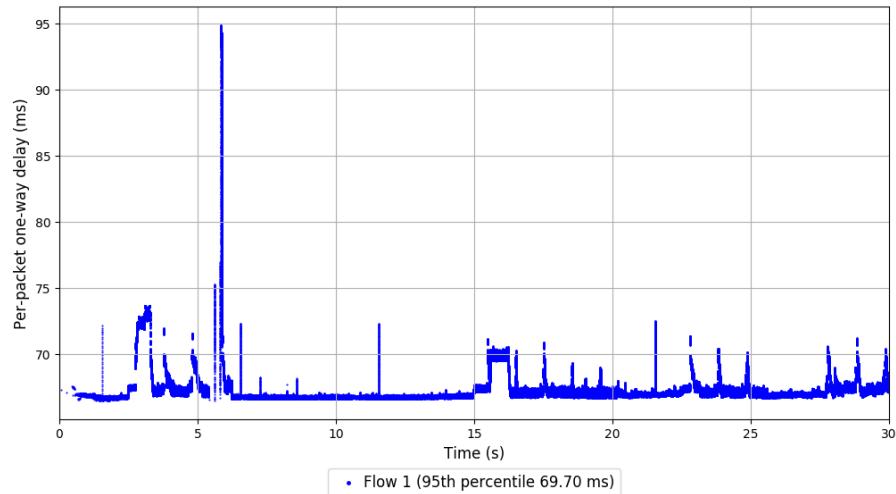
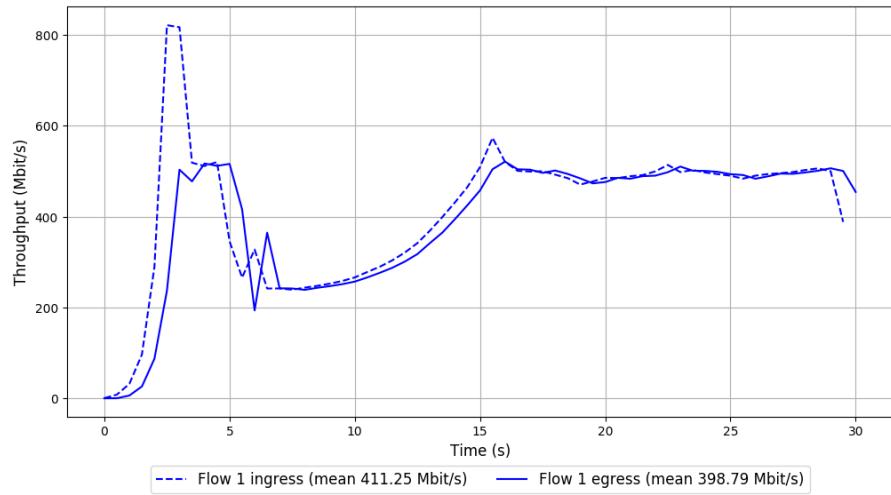
Figure is missing

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

```
Start at: 2019-06-27 02:28:38
End at: 2019-06-27 02:29:08
Local clock offset: -0.738 ms
Remote clock offset: -32.361 ms

# Below is generated by plot.py at 2019-06-27 05:07:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 398.79 Mbit/s
95th percentile per-packet one-way delay: 69.698 ms
Loss rate: 3.03%
-- Flow 1:
Average throughput: 398.79 Mbit/s
95th percentile per-packet one-way delay: 69.698 ms
Loss rate: 3.03%
```

Run 1: Report of PCC-Allegro — Data Link

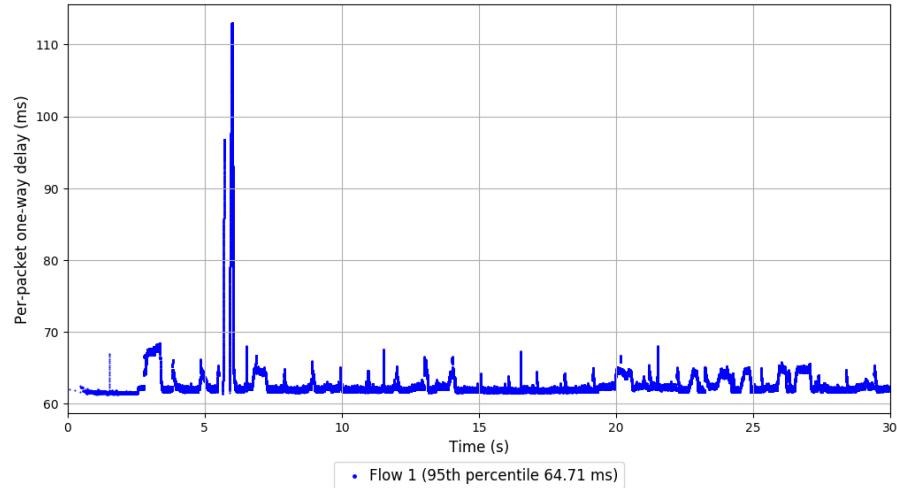
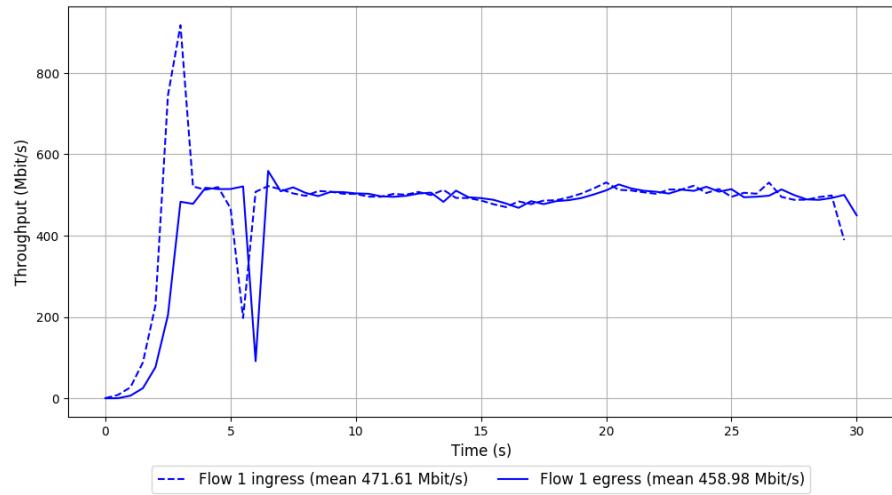


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-06-27 02:57:21
End at: 2019-06-27 02:57:51
Local clock offset: -2.712 ms
Remote clock offset: -37.865 ms

# Below is generated by plot.py at 2019-06-27 05:08:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 458.98 Mbit/s
95th percentile per-packet one-way delay: 64.713 ms
Loss rate: 2.68%
-- Flow 1:
Average throughput: 458.98 Mbit/s
95th percentile per-packet one-way delay: 64.713 ms
Loss rate: 2.68%
```

Run 2: Report of PCC-Allegro — Data Link

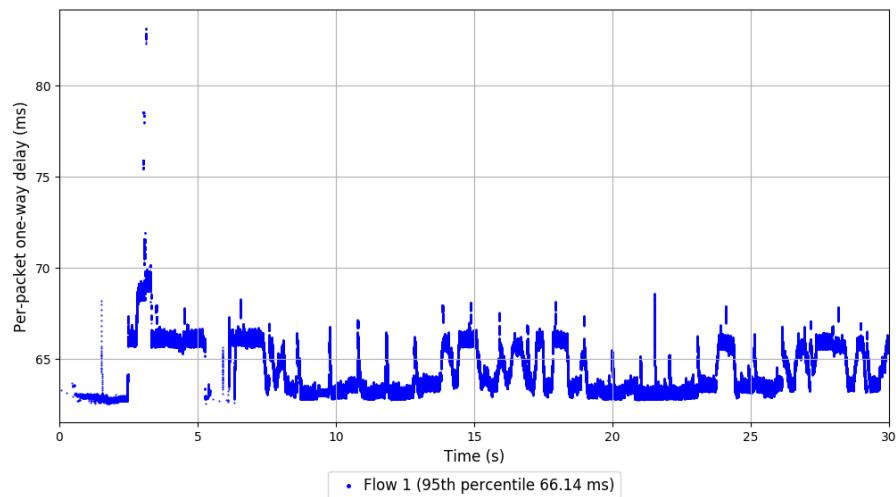
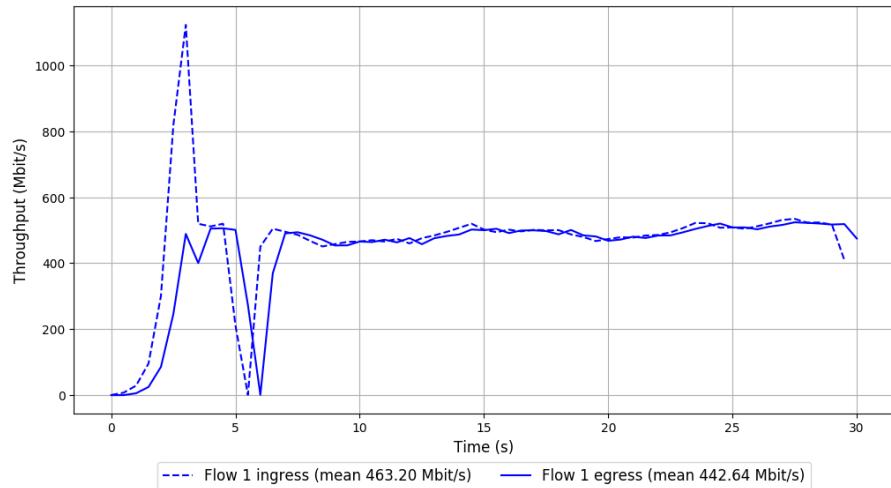


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-06-27 03:26:07
End at: 2019-06-27 03:26:37
Local clock offset: -3.076 ms
Remote clock offset: -36.096 ms

# Below is generated by plot.py at 2019-06-27 05:10:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 442.64 Mbit/s
95th percentile per-packet one-way delay: 66.142 ms
Loss rate: 4.43%
-- Flow 1:
Average throughput: 442.64 Mbit/s
95th percentile per-packet one-way delay: 66.142 ms
Loss rate: 4.43%
```

Run 3: Report of PCC-Allegro — Data Link

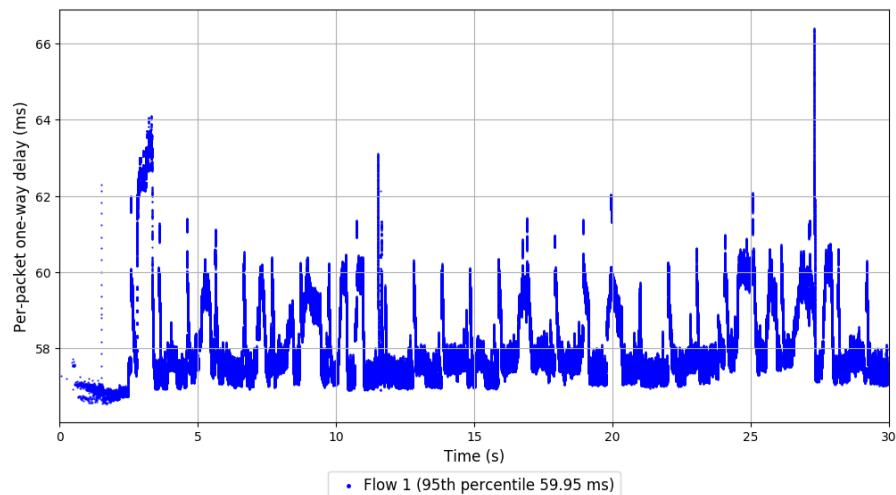
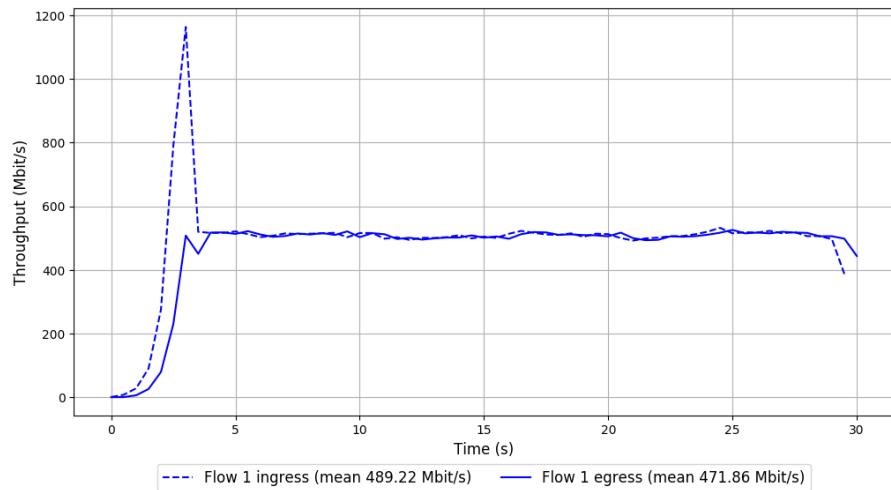


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-06-27 03:54:52
End at: 2019-06-27 03:55:22
Local clock offset: 0.395 ms
Remote clock offset: -42.395 ms

# Below is generated by plot.py at 2019-06-27 05:11:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 471.86 Mbit/s
95th percentile per-packet one-way delay: 59.948 ms
Loss rate: 3.55%
-- Flow 1:
Average throughput: 471.86 Mbit/s
95th percentile per-packet one-way delay: 59.948 ms
Loss rate: 3.55%
```

Run 4: Report of PCC-Allegro — Data Link

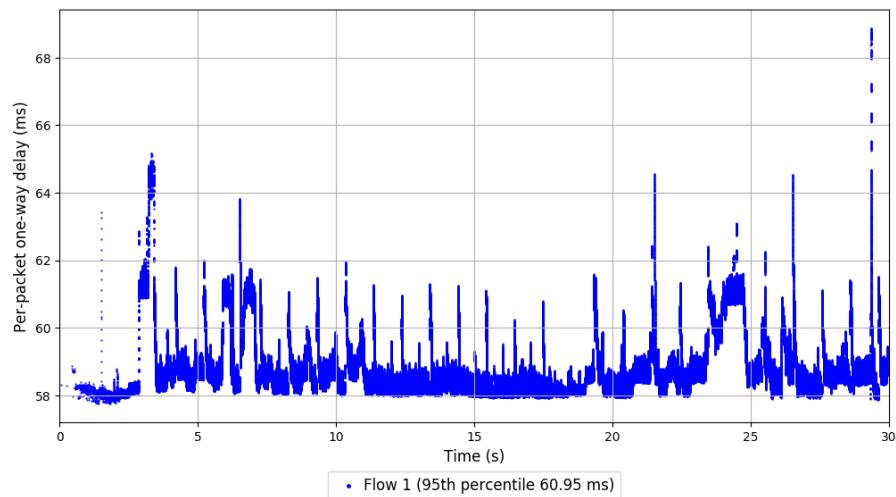
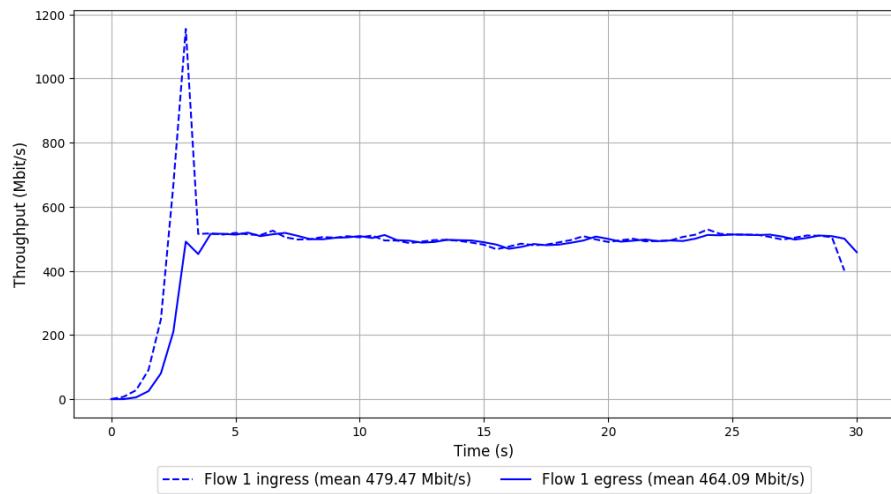


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-06-27 04:23:30
End at: 2019-06-27 04:24:00
Local clock offset: 0.557 ms
Remote clock offset: -42.069 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 464.09 Mbit/s
95th percentile per-packet one-way delay: 60.954 ms
Loss rate: 3.21%
-- Flow 1:
Average throughput: 464.09 Mbit/s
95th percentile per-packet one-way delay: 60.954 ms
Loss rate: 3.21%
```

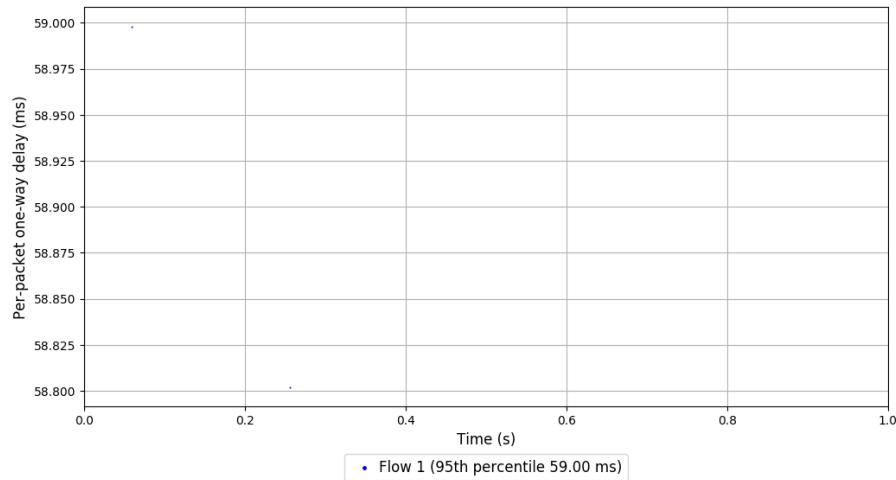
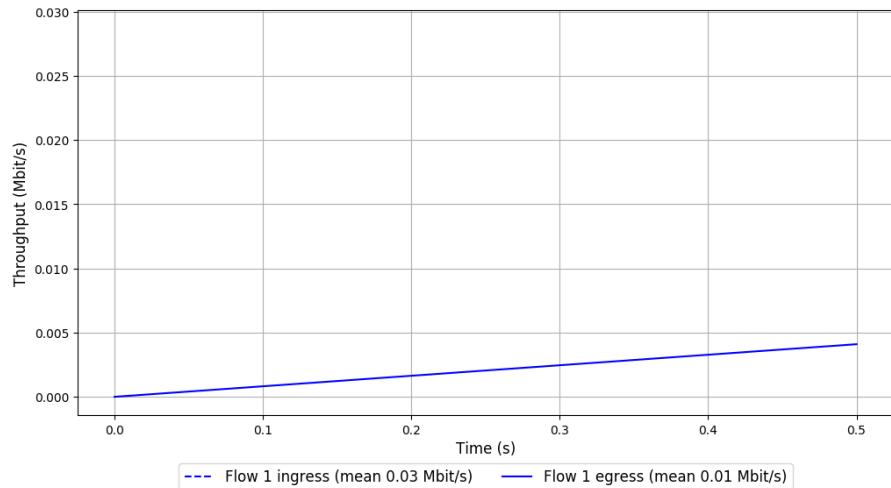
Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-06-27 02:33:42
End at: 2019-06-27 02:34:13
Local clock offset: -2.571 ms
Remote clock offset: -41.575 ms

Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

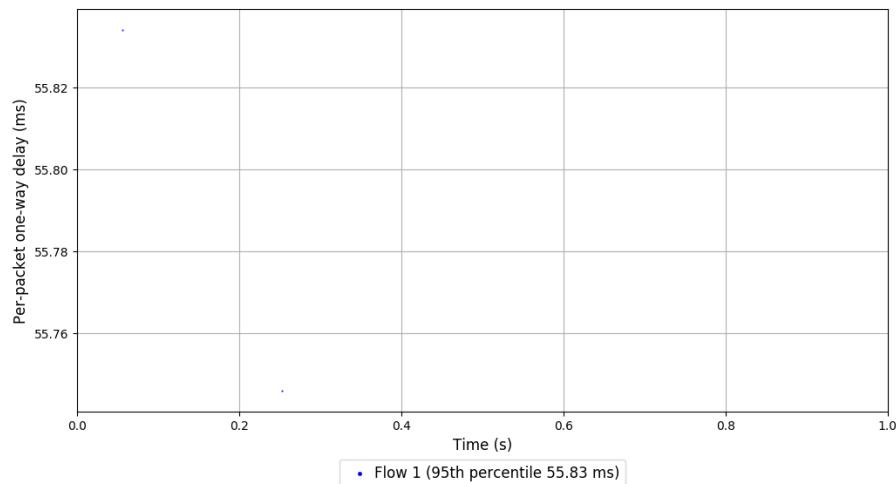
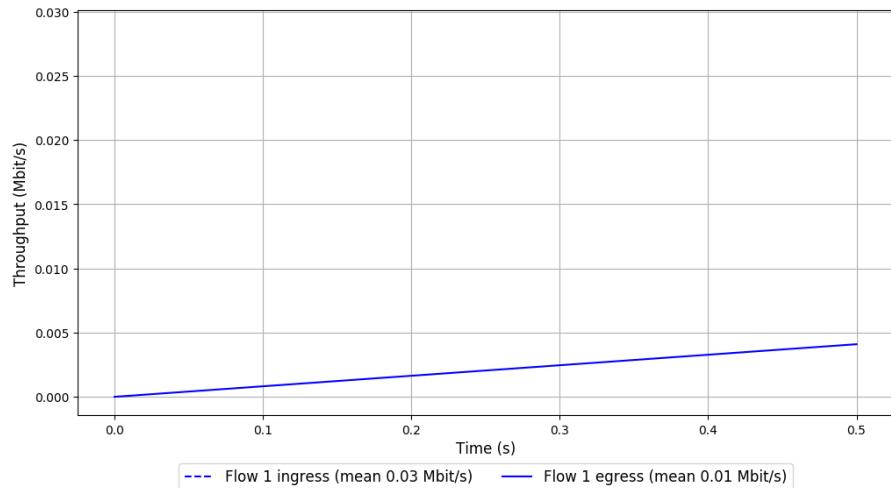
Start at: 2019-06-27 03:02:23

End at: 2019-06-27 03:02:53

Local clock offset: -1.913 ms

Remote clock offset: -43.5 ms

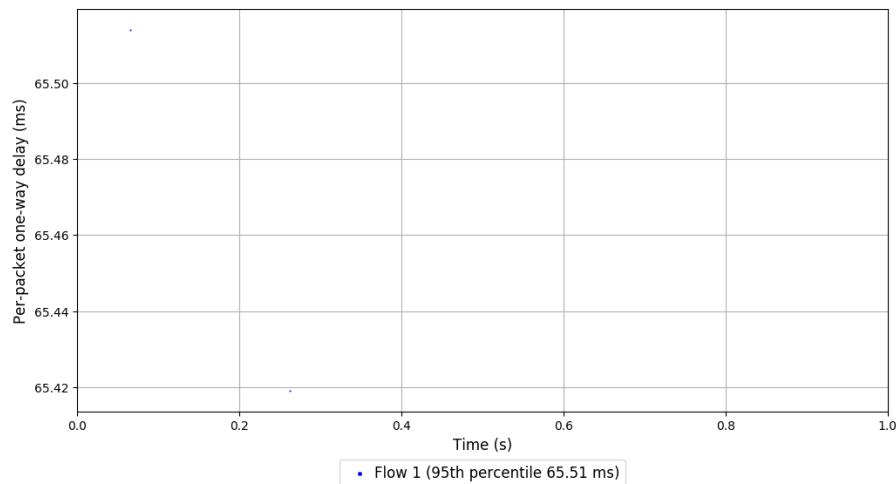
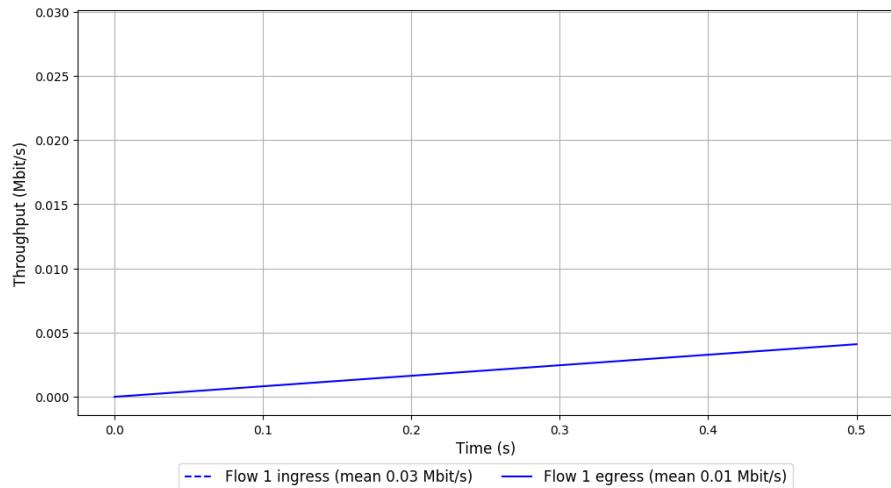
Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-06-27 03:31:08
End at: 2019-06-27 03:31:38
Local clock offset: -2.123 ms
Remote clock offset: -32.687 ms

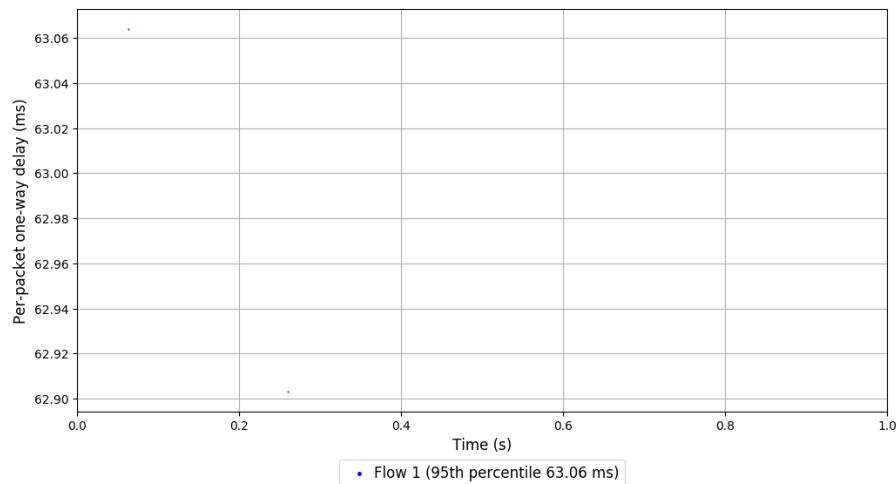
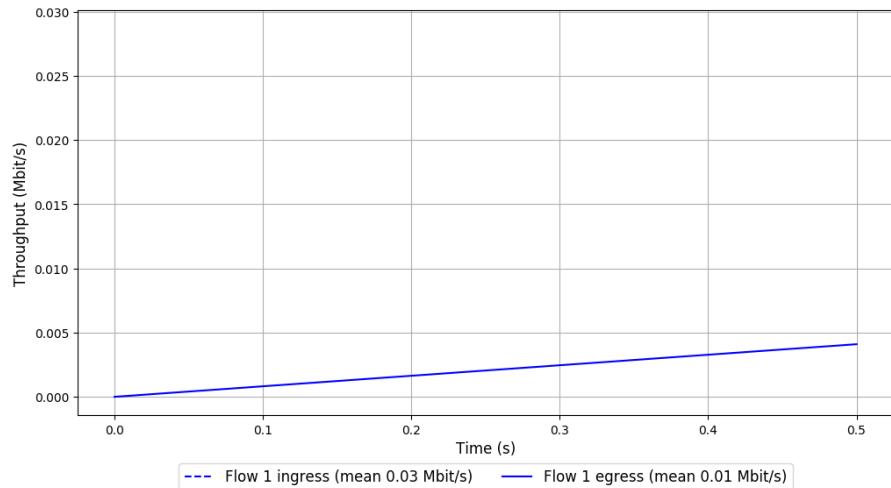
Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-06-27 03:59:54
End at: 2019-06-27 04:00:24
Local clock offset: 1.191 ms
Remote clock offset: -36.834 ms

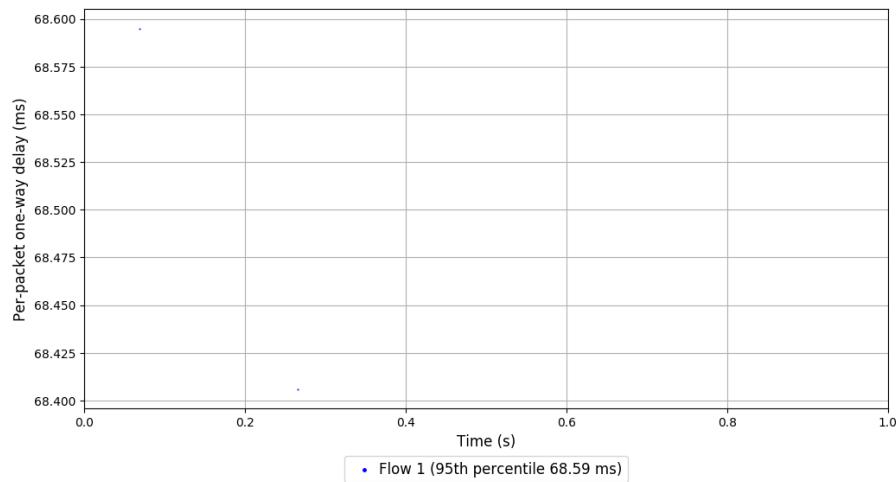
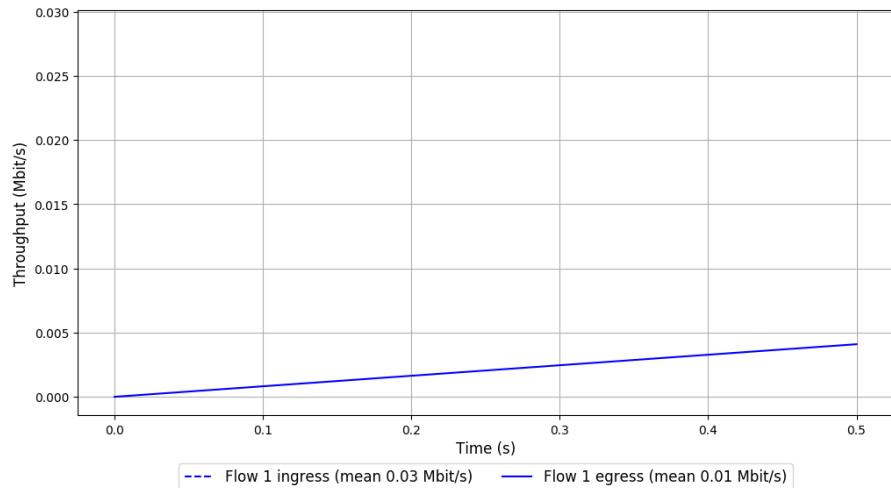
Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-06-27 04:28:32
End at: 2019-06-27 04:29:02
Local clock offset: -0.057 ms
Remote clock offset: -31.149 ms

Run 5: Report of PCC-Expr — Data Link

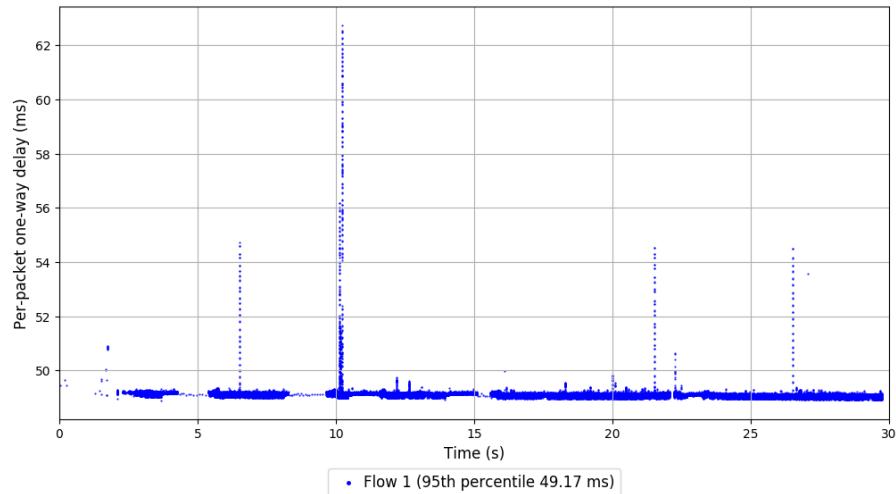
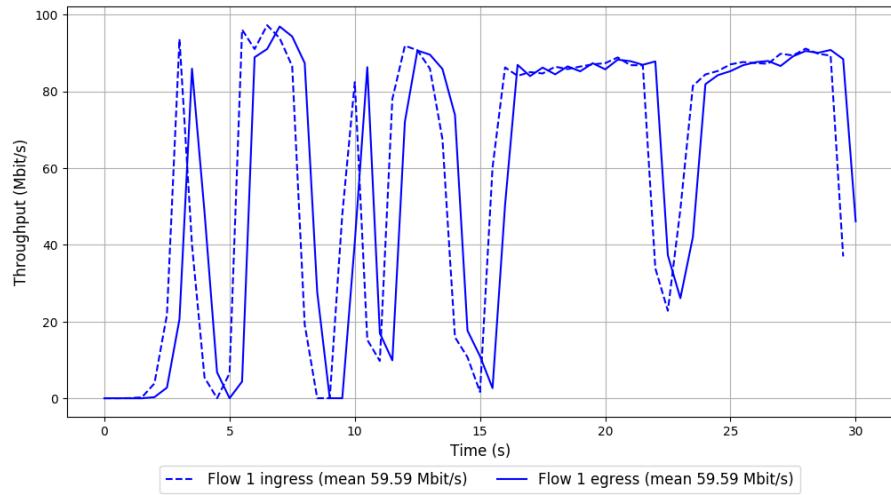


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-06-27 02:30:02
End at: 2019-06-27 02:30:32
Local clock offset: -2.23 ms
Remote clock offset: -50.855 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.59 Mbit/s
95th percentile per-packet one-way delay: 49.175 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 59.59 Mbit/s
95th percentile per-packet one-way delay: 49.175 ms
Loss rate: 0.01%
```

Run 1: Report of QUIC Cubic — Data Link

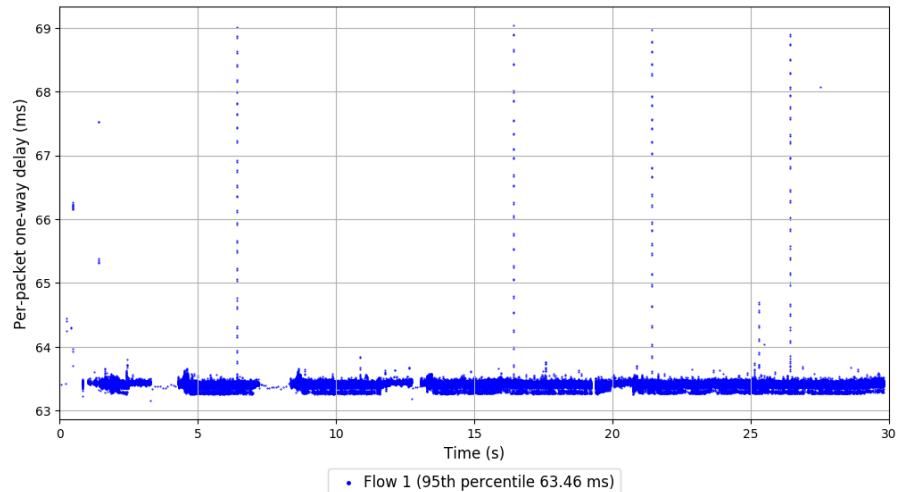
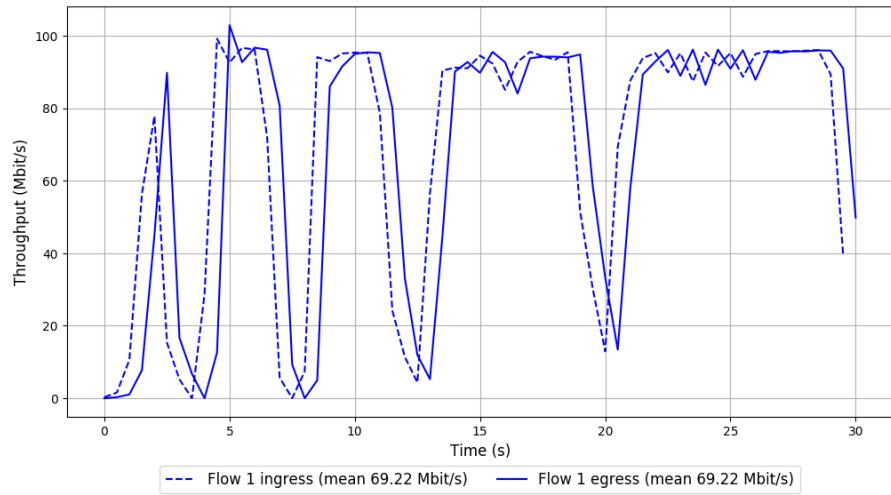


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-06-27 02:58:47
End at: 2019-06-27 02:59:17
Local clock offset: -2.155 ms
Remote clock offset: -35.635 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.22 Mbit/s
95th percentile per-packet one-way delay: 63.456 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 69.22 Mbit/s
95th percentile per-packet one-way delay: 63.456 ms
Loss rate: 0.00%
```

Run 2: Report of QUIC Cubic — Data Link

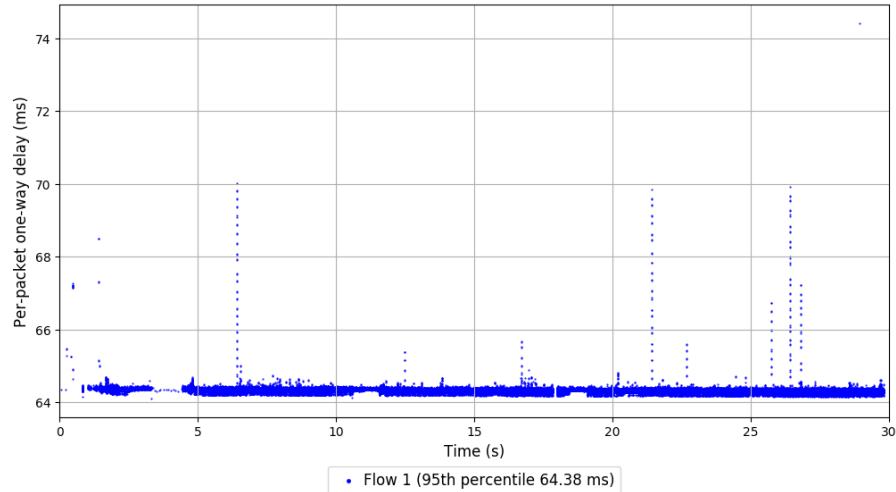
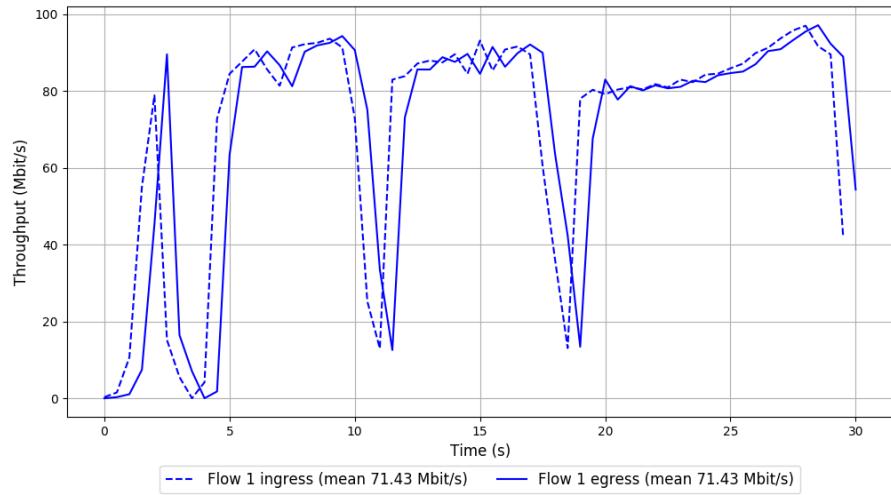


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-06-27 03:27:32
End at: 2019-06-27 03:28:02
Local clock offset: -3.269 ms
Remote clock offset: -34.291 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.43 Mbit/s
95th percentile per-packet one-way delay: 64.384 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 71.43 Mbit/s
95th percentile per-packet one-way delay: 64.384 ms
Loss rate: 0.00%
```

Run 3: Report of QUIC Cubic — Data Link

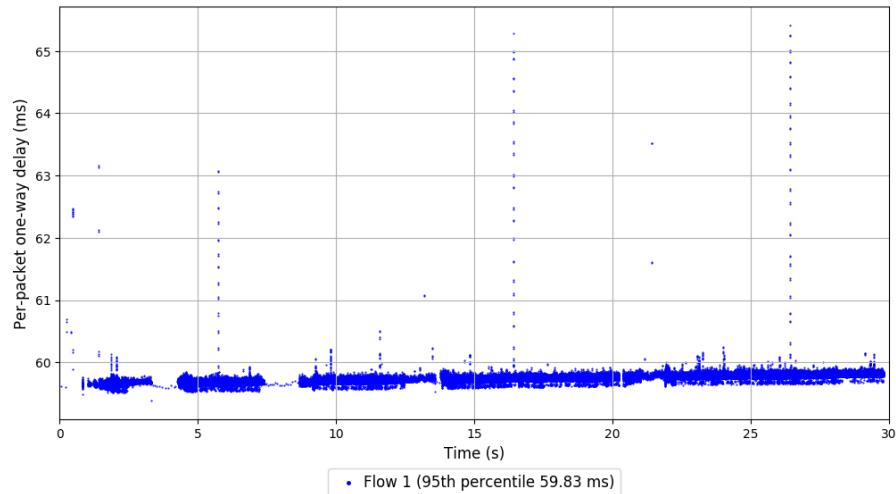
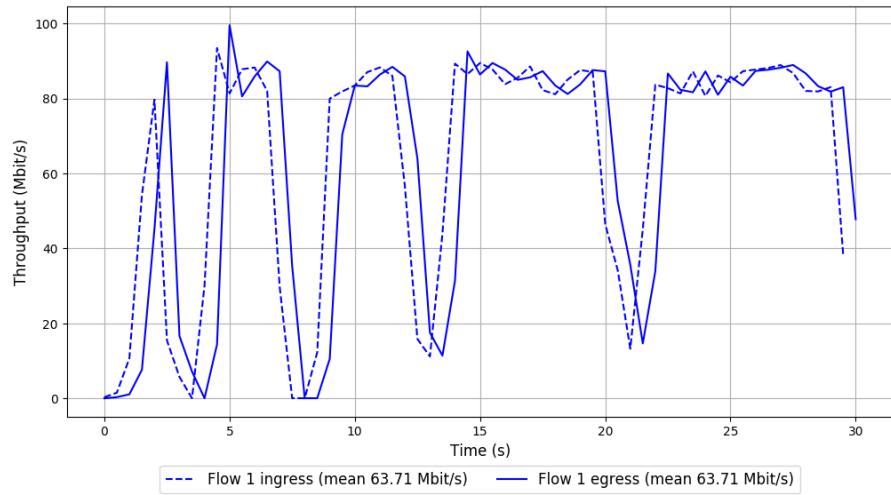


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-06-27 03:56:19
End at: 2019-06-27 03:56:49
Local clock offset: -0.391 ms
Remote clock offset: -40.598 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.71 Mbit/s
95th percentile per-packet one-way delay: 59.827 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.71 Mbit/s
95th percentile per-packet one-way delay: 59.827 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

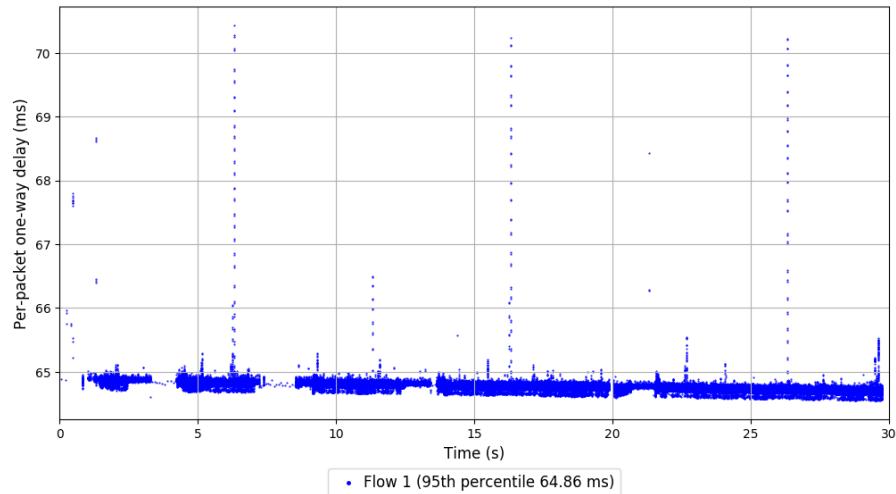
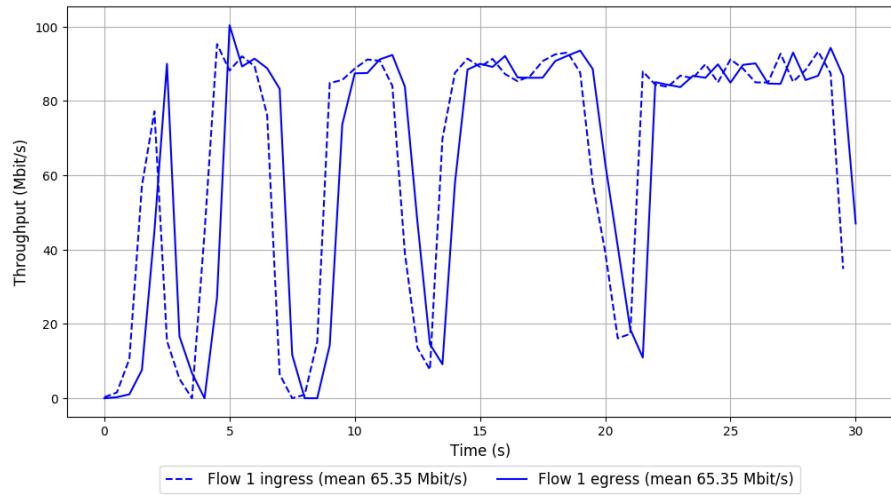


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-06-27 04:24:56
End at: 2019-06-27 04:25:26
Local clock offset: 0.145 ms
Remote clock offset: -34.974 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.35 Mbit/s
95th percentile per-packet one-way delay: 64.862 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.35 Mbit/s
95th percentile per-packet one-way delay: 64.862 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

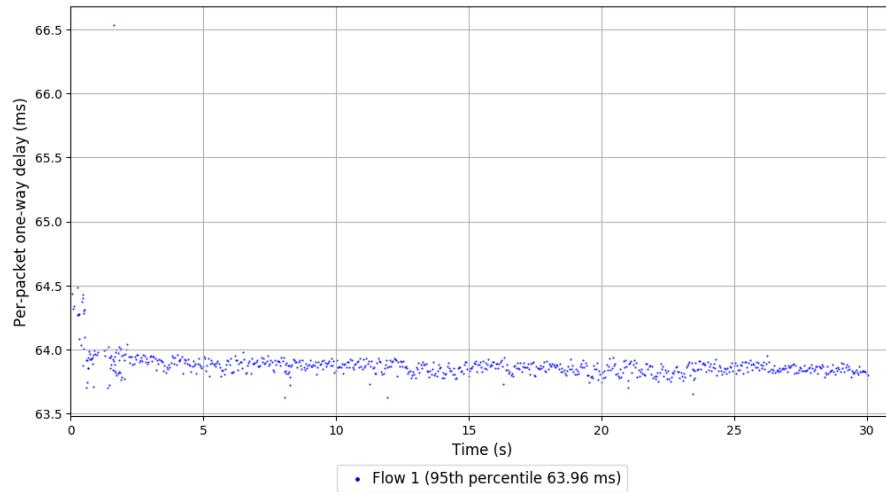
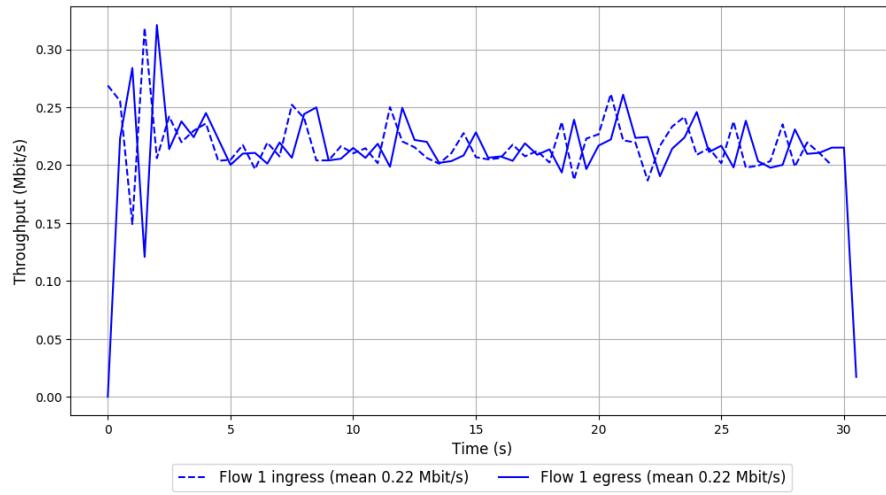


Run 1: Statistics of SCReAM

```
Start at: 2019-06-27 02:37:29
End at: 2019-06-27 02:37:59
Local clock offset: -2.447 ms
Remote clock offset: -35.689 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.960 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 63.960 ms
Loss rate: 0.00%
```

Run 1: Report of SCReAM — Data Link

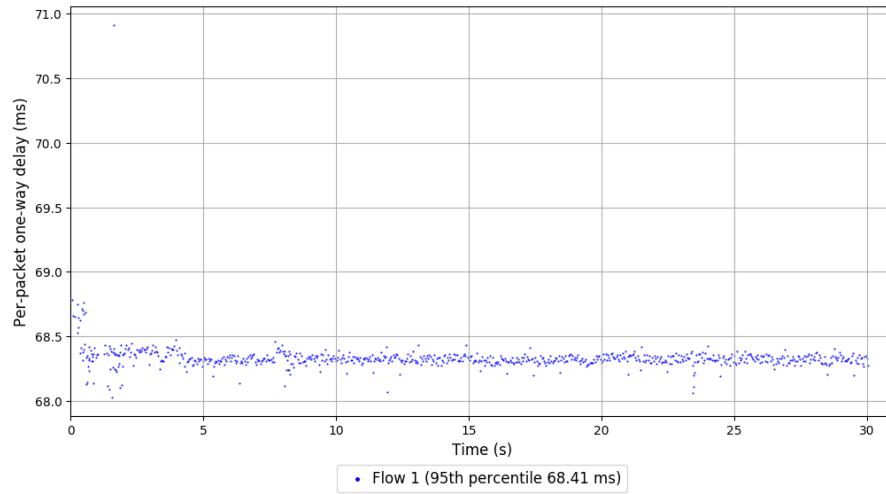
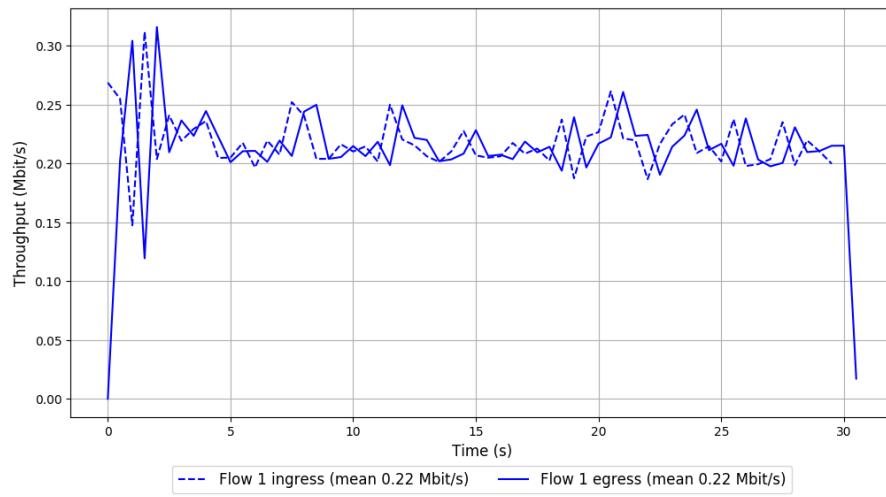


Run 2: Statistics of SCReAM

```
Start at: 2019-06-27 03:06:09
End at: 2019-06-27 03:06:39
Local clock offset: -2.004 ms
Remote clock offset: -31.036 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 68.410 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 68.410 ms
Loss rate: 0.00%
```

Run 2: Report of SCReAM — Data Link

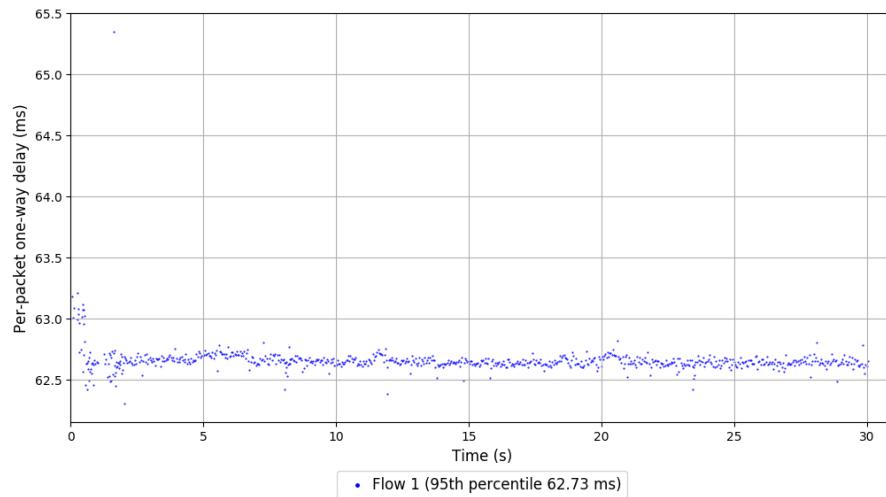
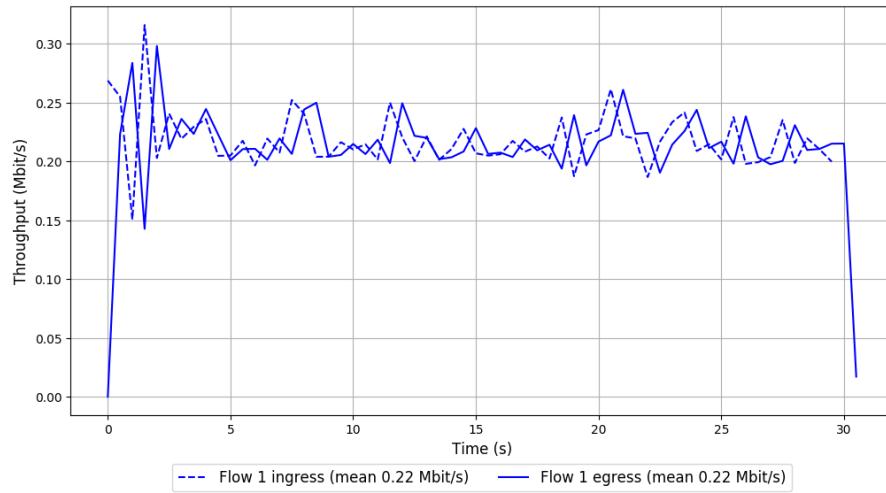


Run 3: Statistics of SCReAM

```
Start at: 2019-06-27 03:34:54
End at: 2019-06-27 03:35:24
Local clock offset: -3.435 ms
Remote clock offset: -36.614 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.728 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 62.728 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

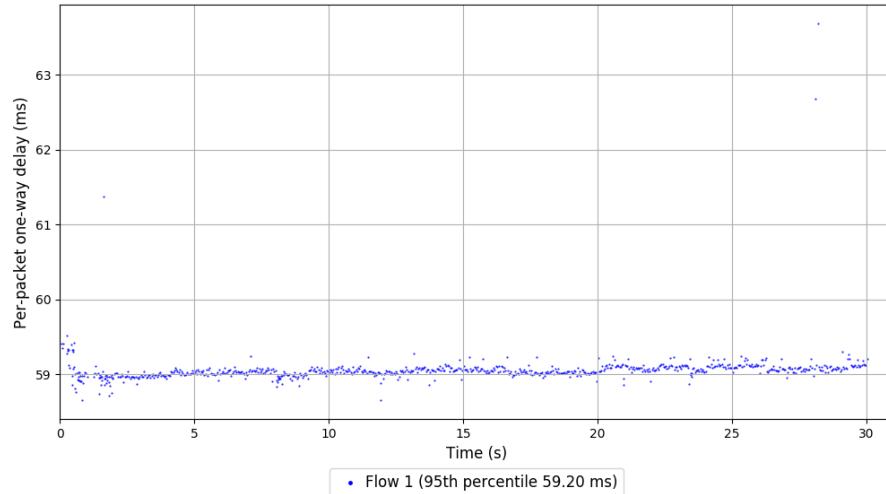
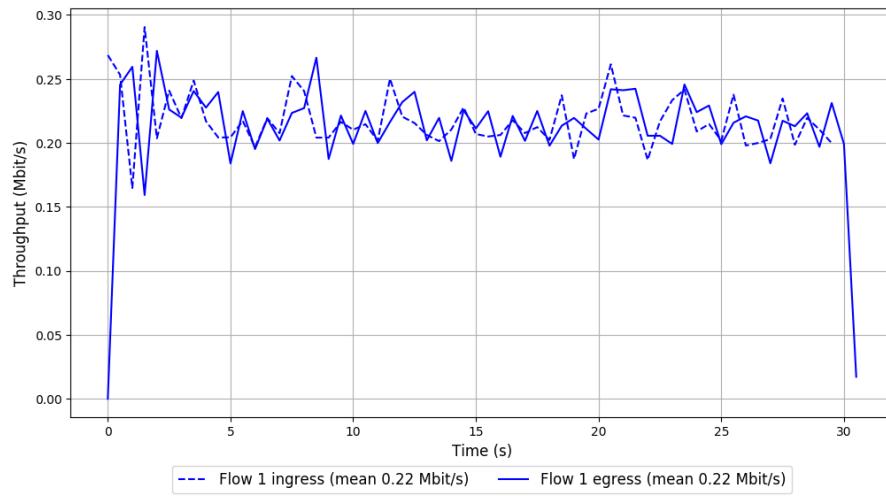


Run 4: Statistics of SCReAM

```
Start at: 2019-06-27 04:03:40
End at: 2019-06-27 04:04:10
Local clock offset: 1.535 ms
Remote clock offset: -41.187 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.199 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 59.199 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

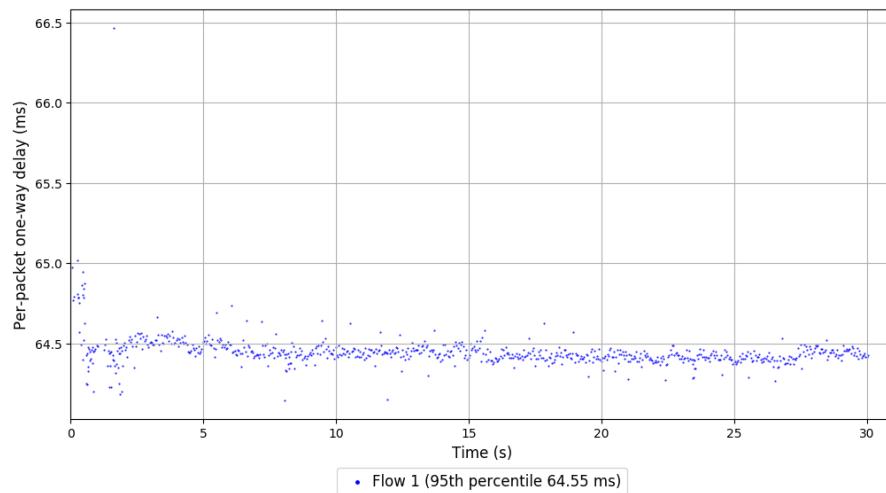
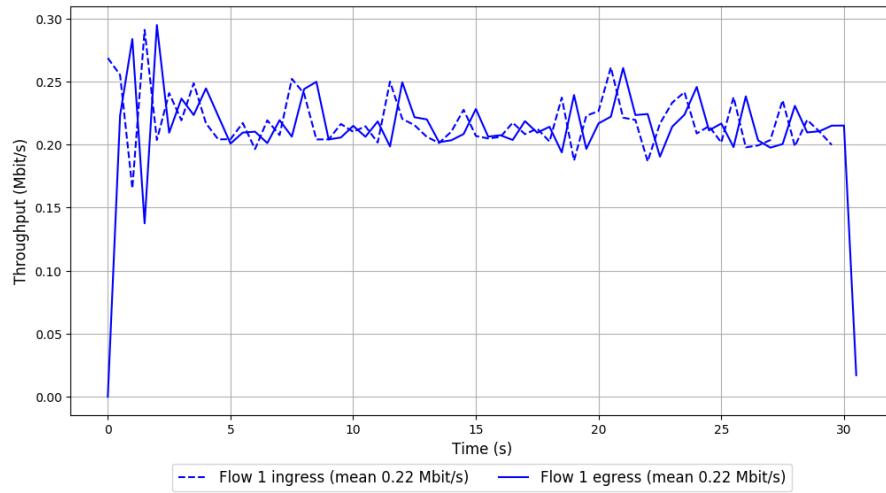


Run 5: Statistics of SCReAM

```
Start at: 2019-06-27 04:32:18
End at: 2019-06-27 04:32:48
Local clock offset: -0.785 ms
Remote clock offset: -34.572 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.552 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 64.552 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

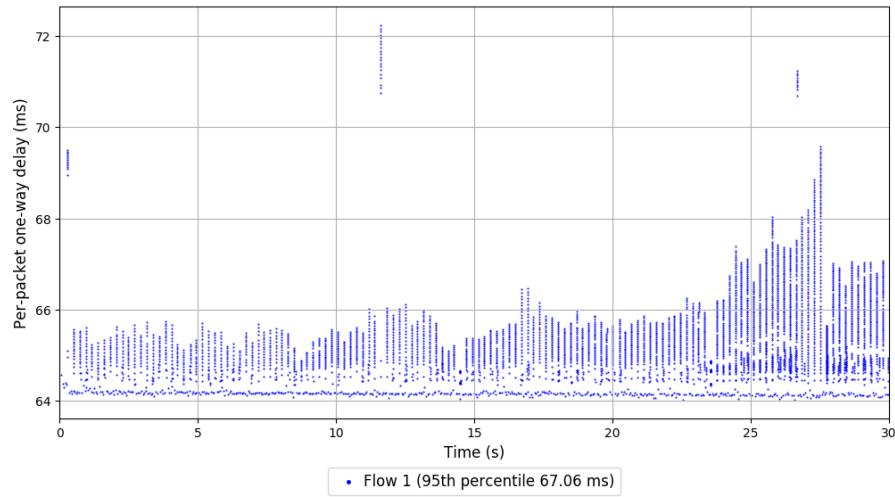
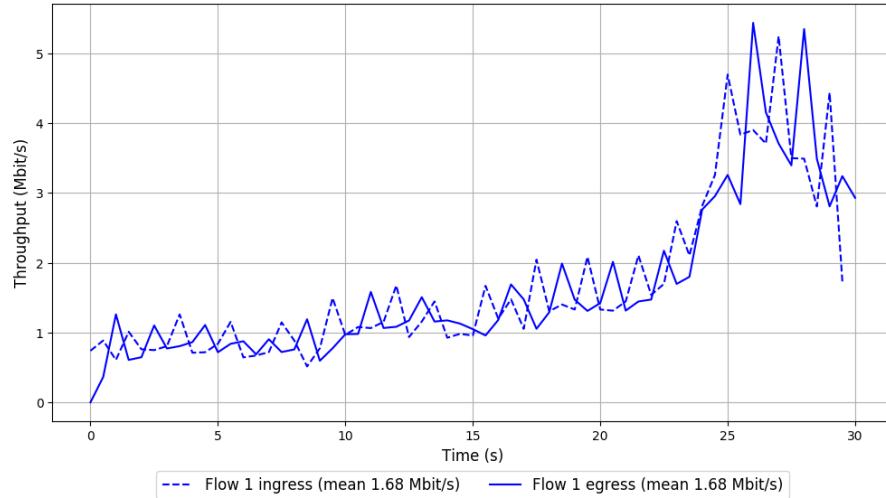


Run 1: Statistics of Sprout

```
Start at: 2019-06-27 02:32:32
End at: 2019-06-27 02:33:02
Local clock offset: -1.182 ms
Remote clock offset: -34.28 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 67.058 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.68 Mbit/s
95th percentile per-packet one-way delay: 67.058 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

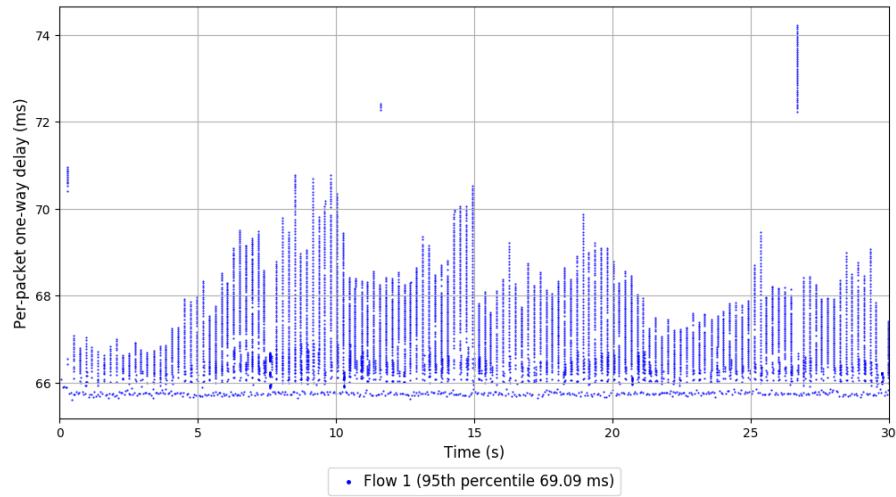
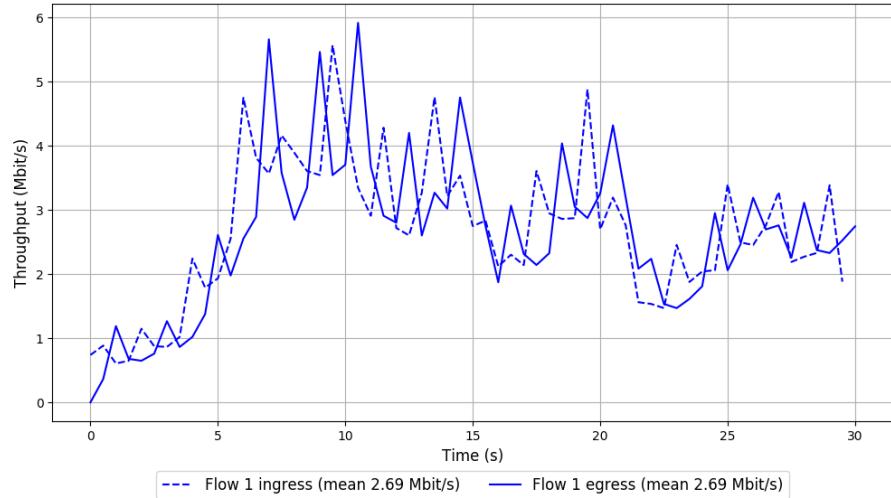


Run 2: Statistics of Sprout

```
Start at: 2019-06-27 03:01:13
End at: 2019-06-27 03:01:43
Local clock offset: -2.585 ms
Remote clock offset: -33.809 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 69.089 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.69 Mbit/s
95th percentile per-packet one-way delay: 69.089 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

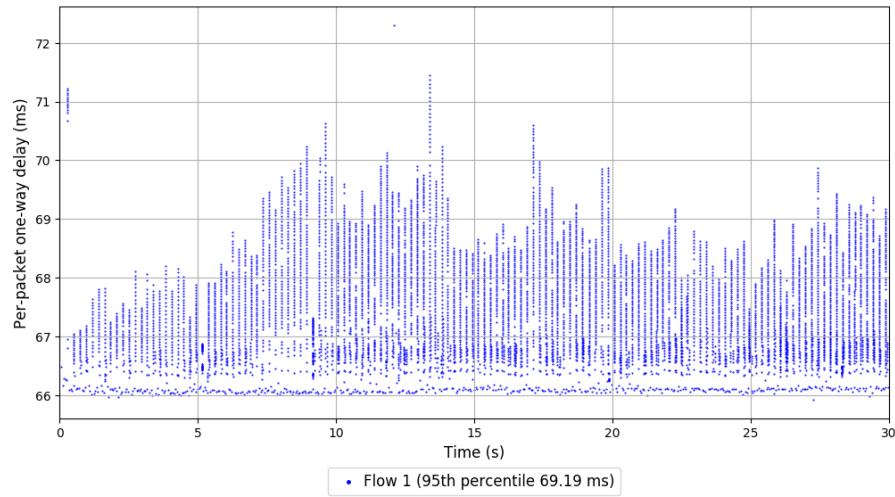
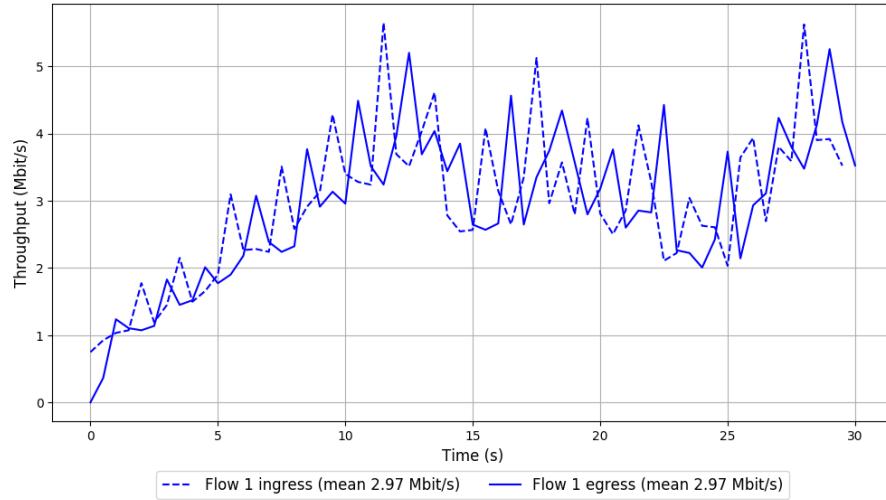


Run 3: Statistics of Sprout

```
Start at: 2019-06-27 03:29:58
End at: 2019-06-27 03:30:28
Local clock offset: -4.116 ms
Remote clock offset: -33.569 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 69.193 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 69.193 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

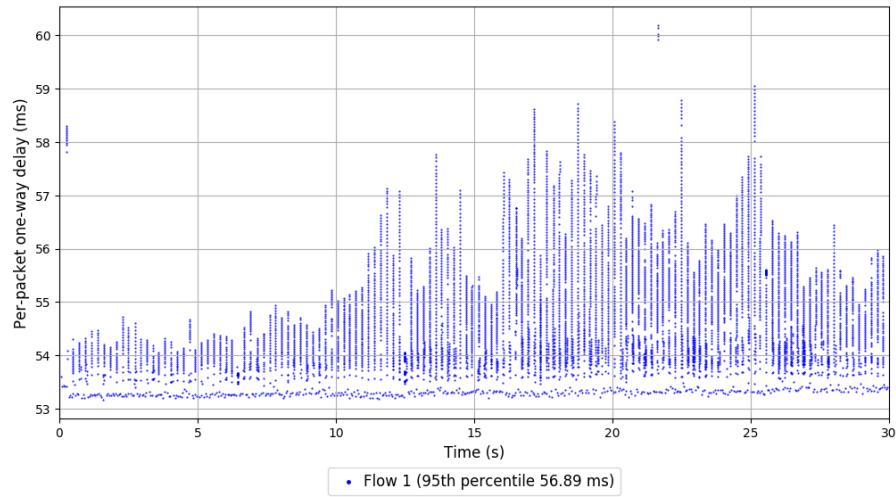
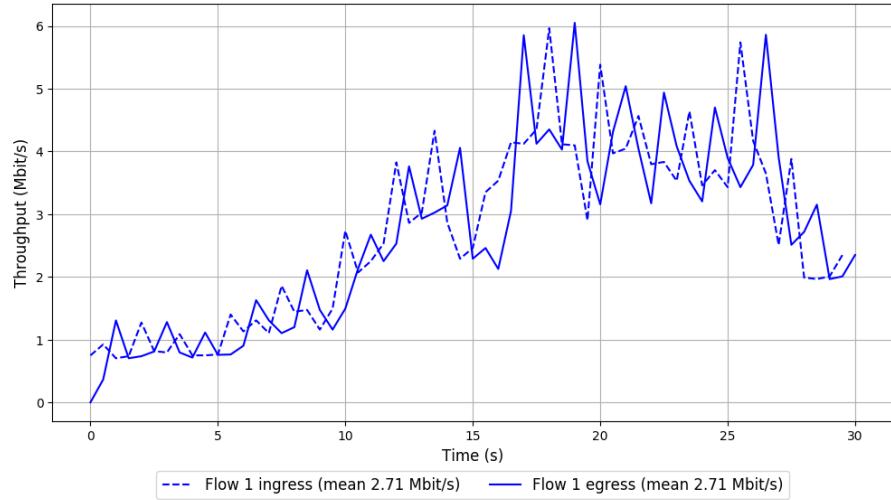


Run 4: Statistics of Sprout

```
Start at: 2019-06-27 03:58:44
End at: 2019-06-27 03:59:14
Local clock offset: 0.707 ms
Remote clock offset: -46.81 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.71 Mbit/s
95th percentile per-packet one-way delay: 56.888 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.71 Mbit/s
95th percentile per-packet one-way delay: 56.888 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

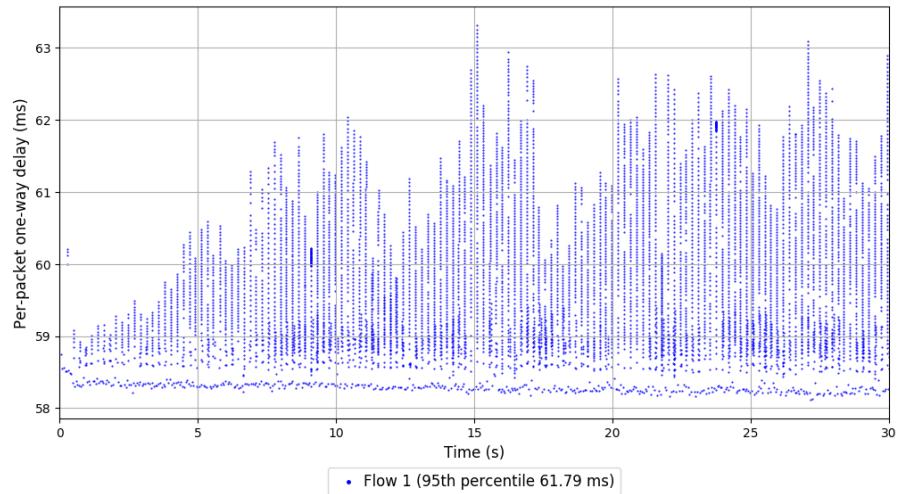
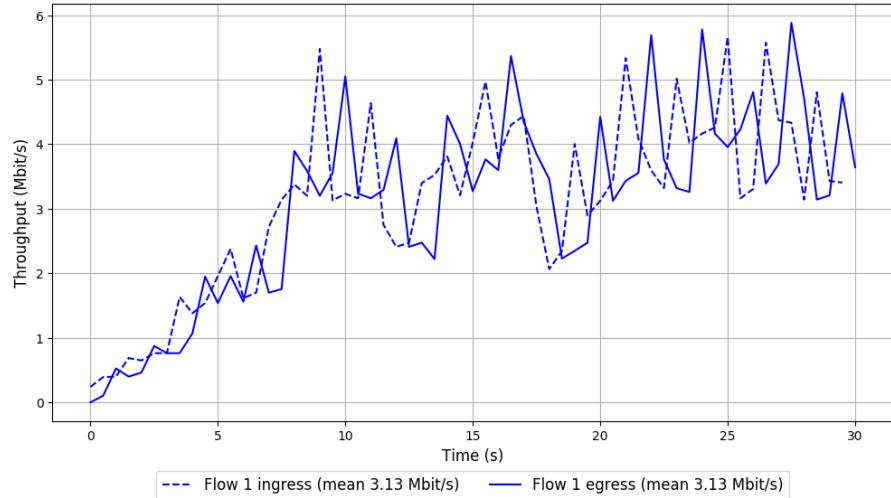


Run 5: Statistics of Sprout

```
Start at: 2019-06-27 04:27:22
End at: 2019-06-27 04:27:52
Local clock offset: -0.147 ms
Remote clock offset: -41.374 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 61.791 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 3.13 Mbit/s
95th percentile per-packet one-way delay: 61.791 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

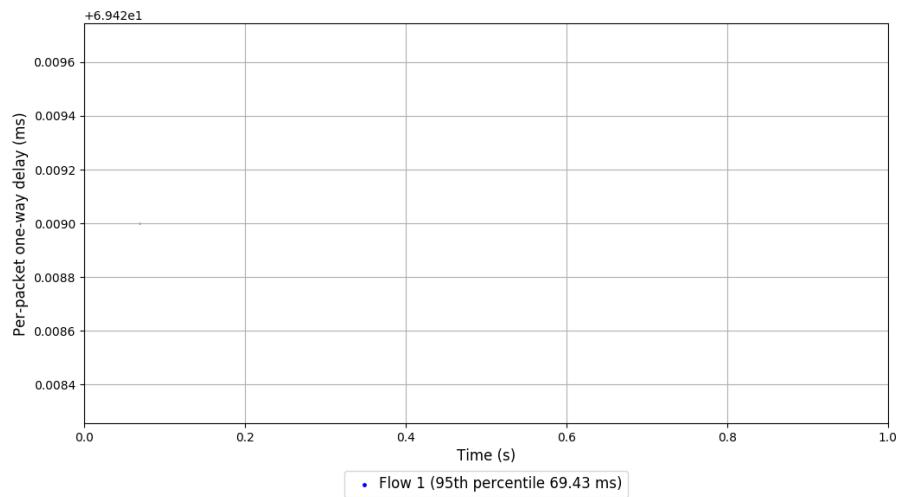
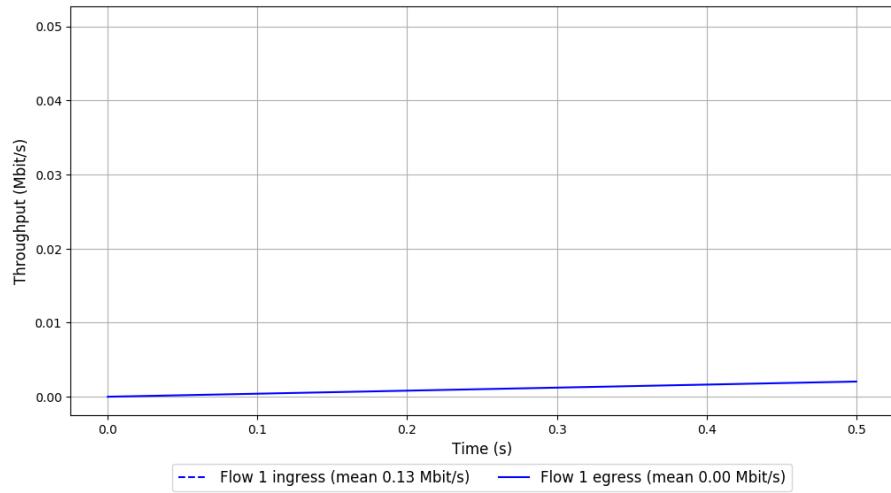
Start at: 2019-06-27 02:23:33

End at: 2019-06-27 02:24:03

Local clock offset: 0.614 ms

Remote clock offset: -30.18 ms

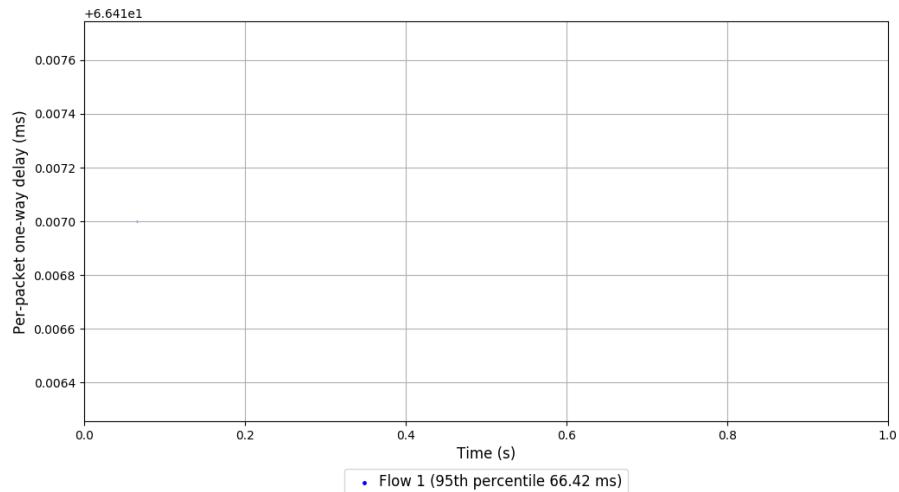
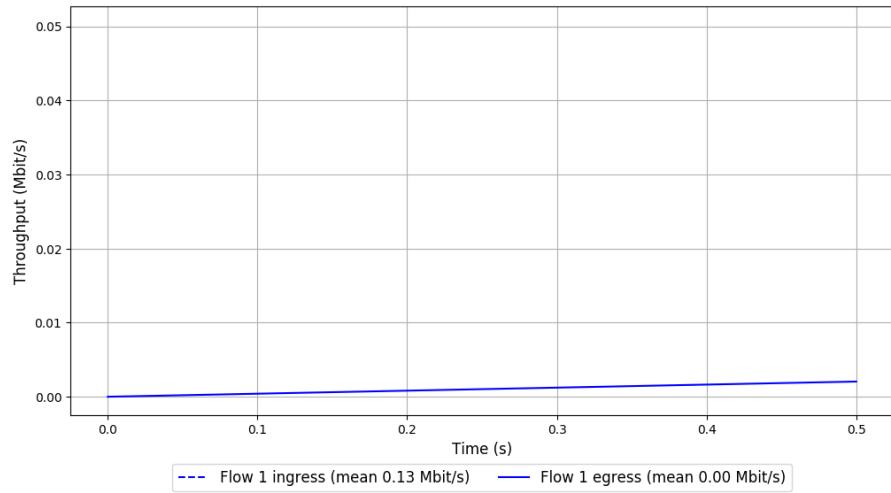
Run 1: Report of TaoVA-100x — Data Link



Run 2: Statistics of TaoVA-100x

Start at: 2019-06-27 02:52:19
End at: 2019-06-27 02:52:49
Local clock offset: -2.675 ms
Remote clock offset: -33.273 ms

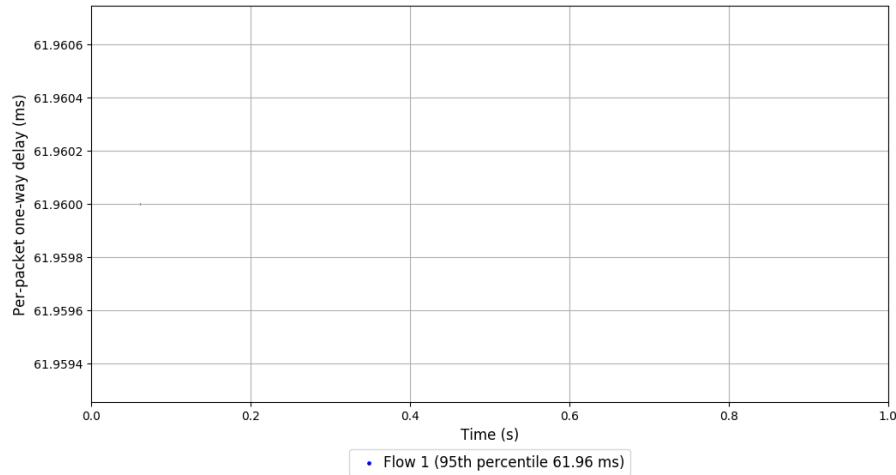
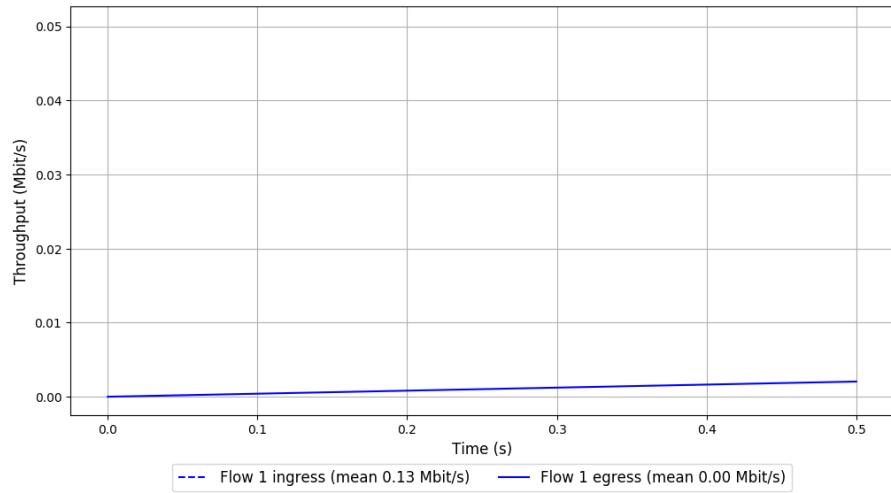
Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: 2019-06-27 03:21:01
End at: 2019-06-27 03:21:31
Local clock offset: -1.62 ms
Remote clock offset: -36.455 ms

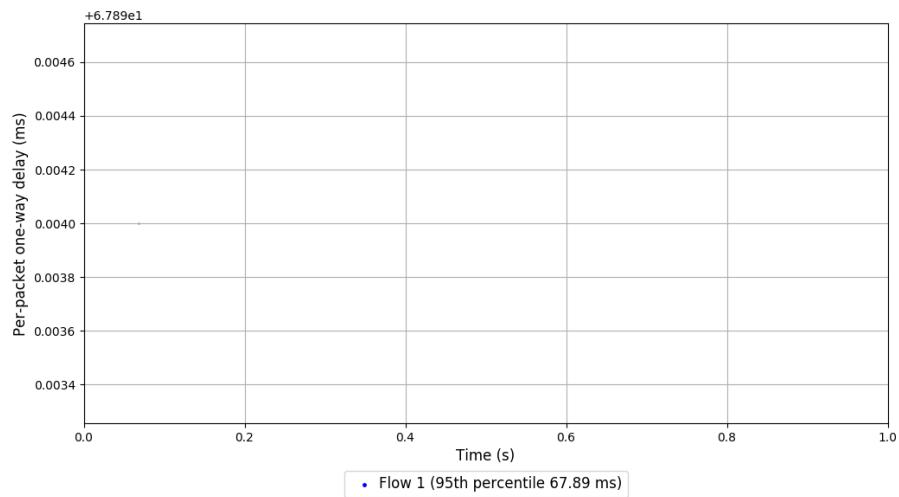
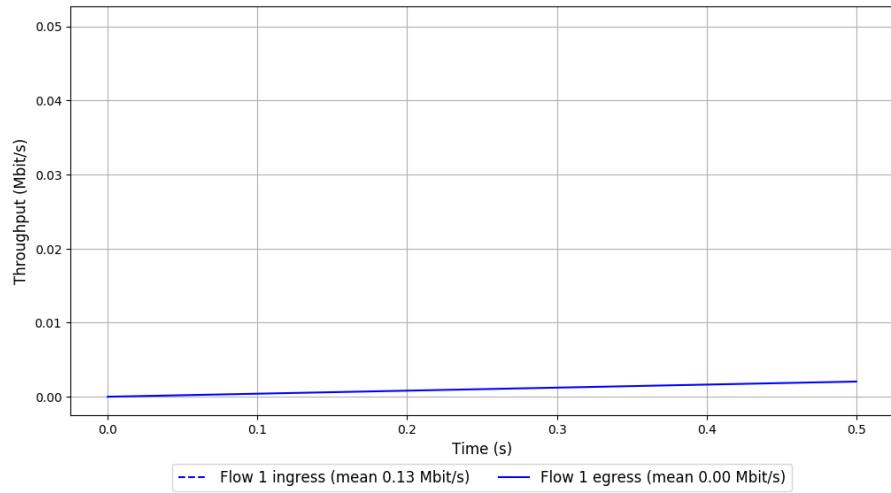
Run 3: Report of TaoVA-100x — Data Link



Run 4: Statistics of TaoVA-100x

Start at: 2019-06-27 03:49:47
End at: 2019-06-27 03:50:17
Local clock offset: -3.013 ms
Remote clock offset: -31.815 ms

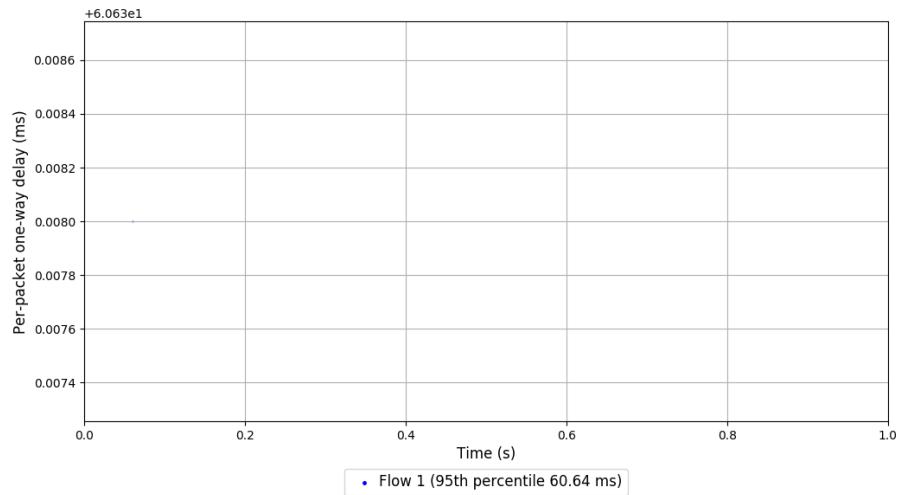
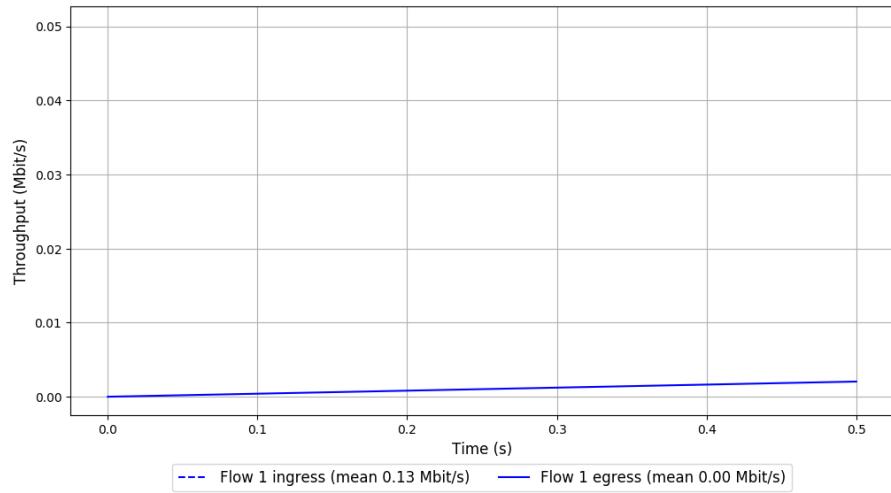
Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: 2019-06-27 04:18:25
End at: 2019-06-27 04:18:55
Local clock offset: 3.596 ms
Remote clock offset: -39.279 ms

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

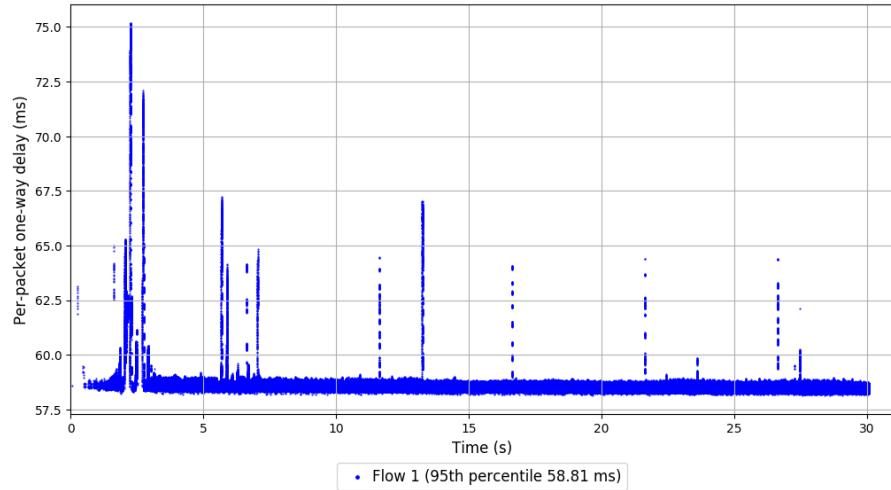
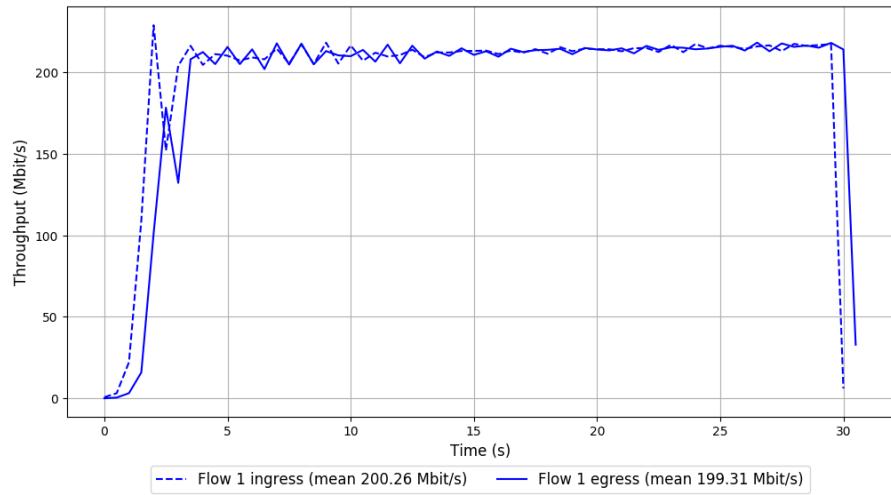


Run 1: Statistics of TCP Vegas

```
Start at: 2019-06-27 02:27:18
End at: 2019-06-27 02:27:48
Local clock offset: -0.777 ms
Remote clock offset: -40.865 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.31 Mbit/s
95th percentile per-packet one-way delay: 58.807 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 199.31 Mbit/s
95th percentile per-packet one-way delay: 58.807 ms
Loss rate: 0.47%
```

Run 1: Report of TCP Vegas — Data Link

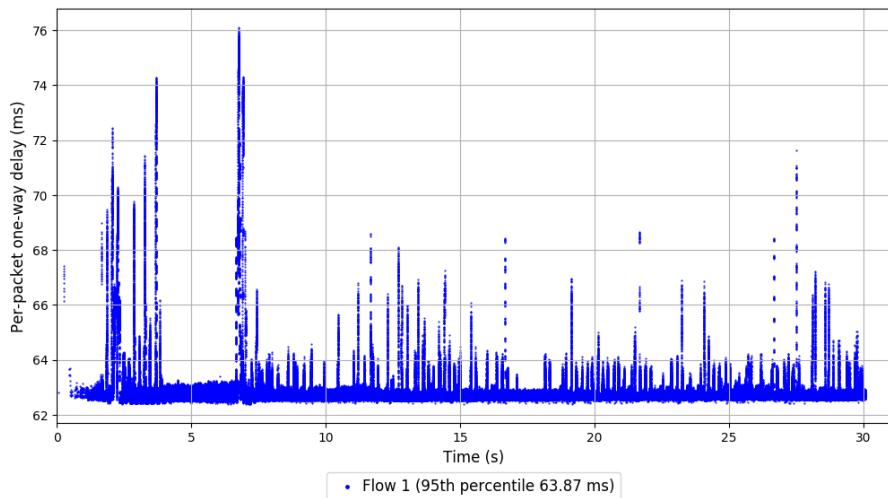
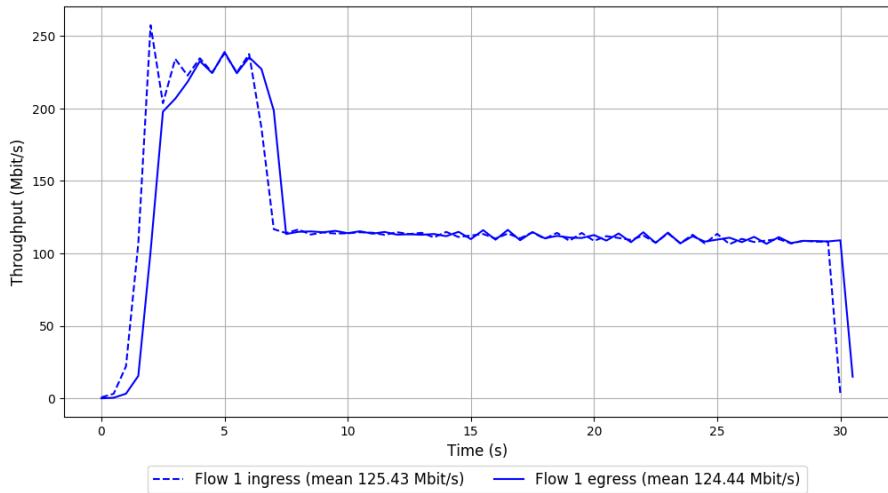


Run 2: Statistics of TCP Vegas

```
Start at: 2019-06-27 02:56:05
End at: 2019-06-27 02:56:35
Local clock offset: -2.713 ms
Remote clock offset: -37.073 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 124.44 Mbit/s
95th percentile per-packet one-way delay: 63.866 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 124.44 Mbit/s
95th percentile per-packet one-way delay: 63.866 ms
Loss rate: 0.79%
```

Run 2: Report of TCP Vegas — Data Link

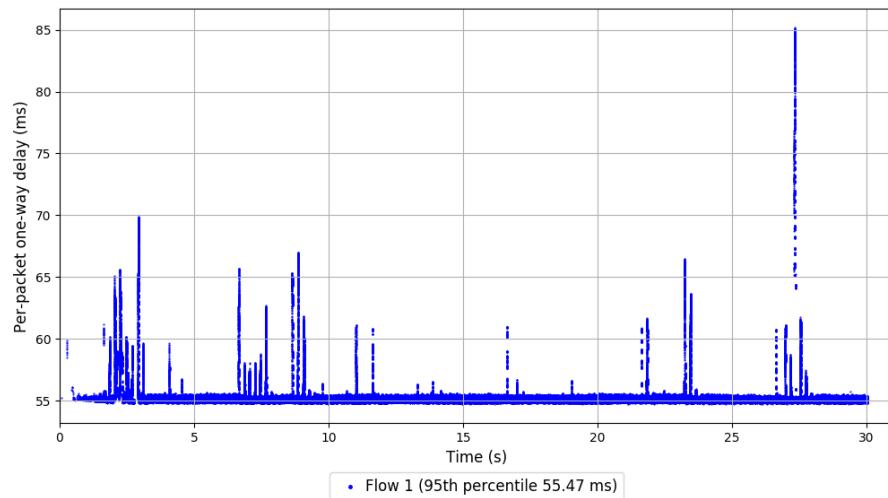
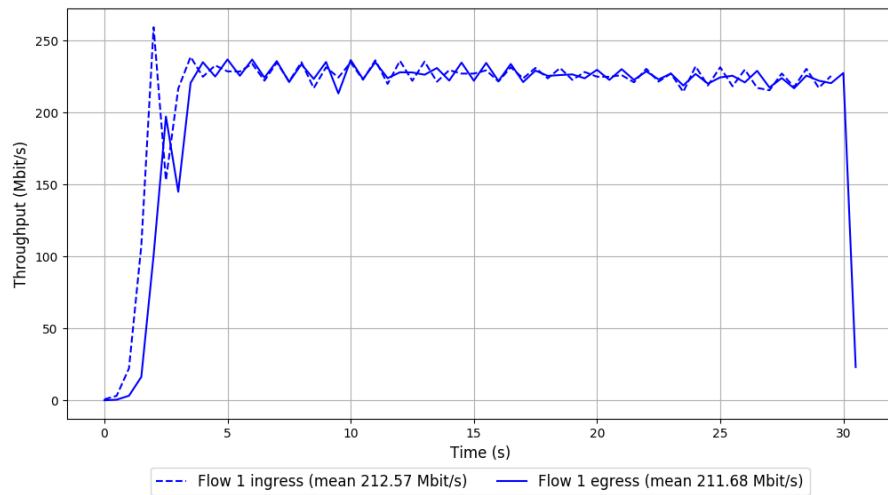


Run 3: Statistics of TCP Vegas

```
Start at: 2019-06-27 03:24:46
End at: 2019-06-27 03:25:16
Local clock offset: -2.054 ms
Remote clock offset: -43.04 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.68 Mbit/s
95th percentile per-packet one-way delay: 55.471 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 211.68 Mbit/s
95th percentile per-packet one-way delay: 55.471 ms
Loss rate: 0.42%
```

Run 3: Report of TCP Vegas — Data Link

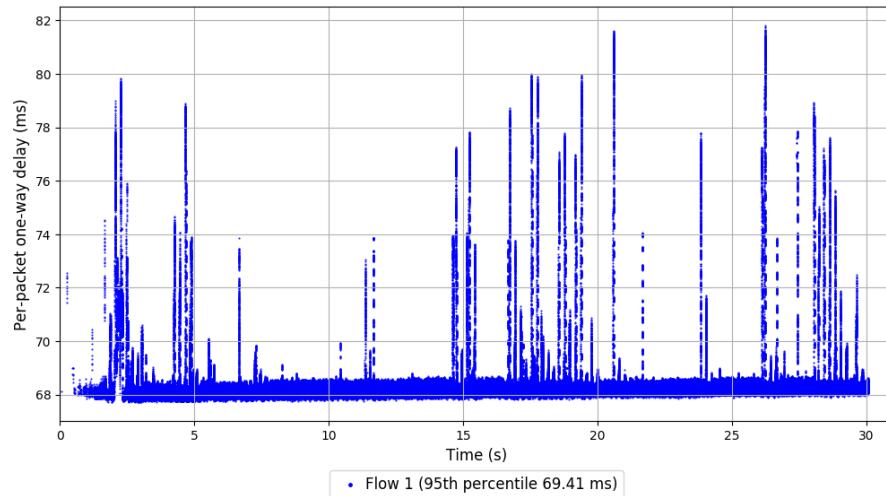
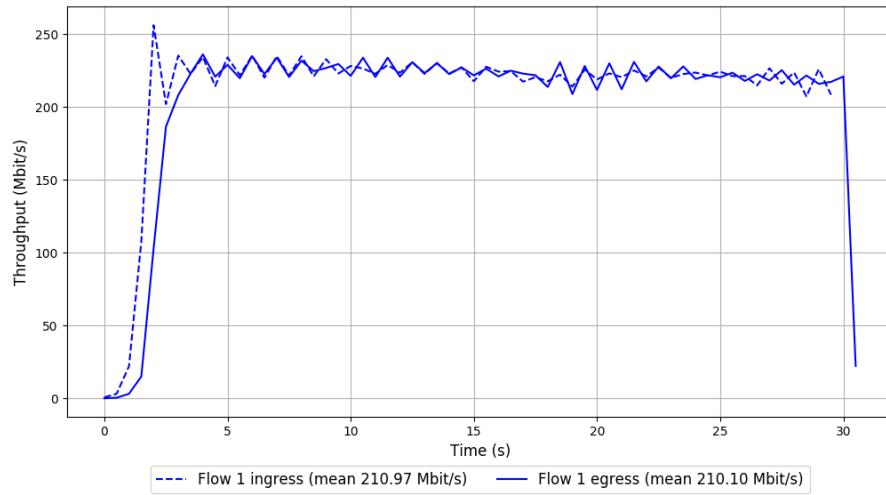


Run 4: Statistics of TCP Vegas

```
Start at: 2019-06-27 03:53:32
End at: 2019-06-27 03:54:02
Local clock offset: -1.229 ms
Remote clock offset: -32.125 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.10 Mbit/s
95th percentile per-packet one-way delay: 69.410 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 210.10 Mbit/s
95th percentile per-packet one-way delay: 69.410 ms
Loss rate: 0.41%
```

Run 4: Report of TCP Vegas — Data Link

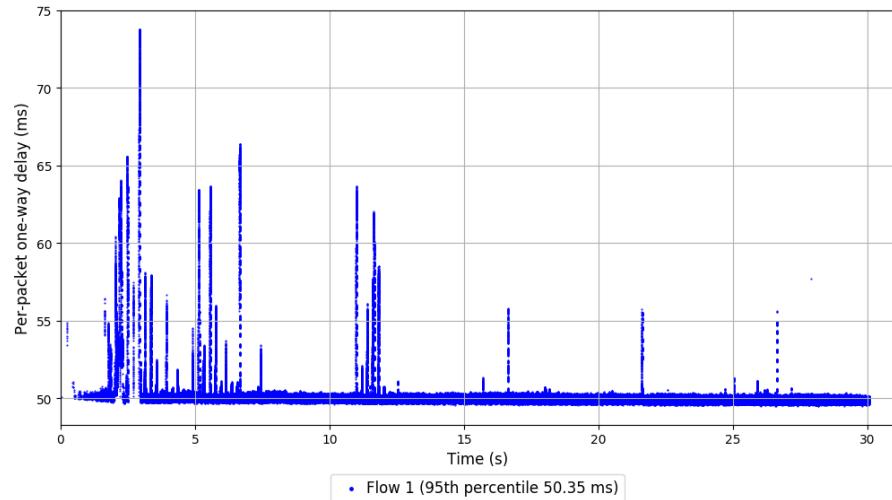
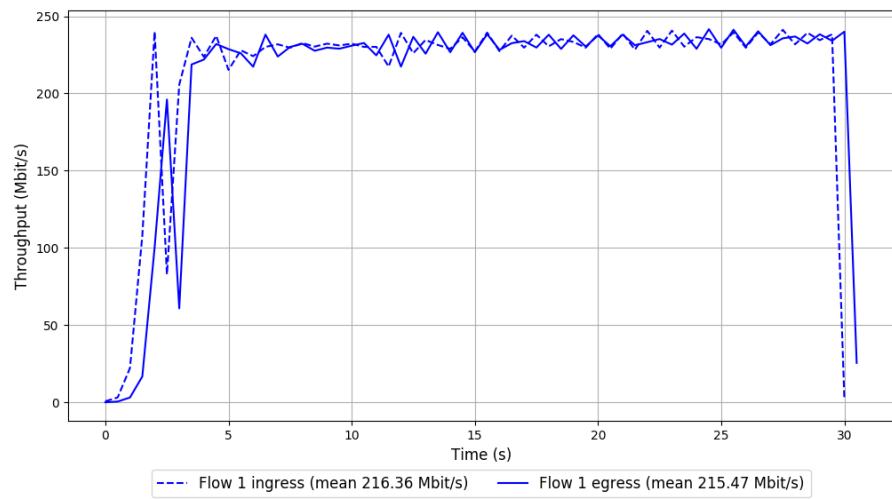


Run 5: Statistics of TCP Vegas

```
Start at: 2019-06-27 04:22:10
End at: 2019-06-27 04:22:40
Local clock offset: 1.558 ms
Remote clock offset: -49.735 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.47 Mbit/s
95th percentile per-packet one-way delay: 50.352 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 215.47 Mbit/s
95th percentile per-packet one-way delay: 50.352 ms
Loss rate: 0.41%
```

Run 5: Report of TCP Vegas — Data Link

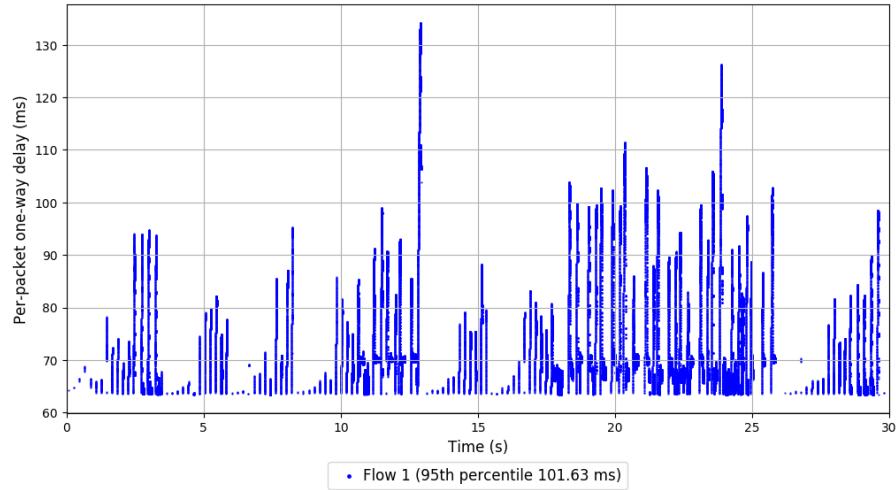
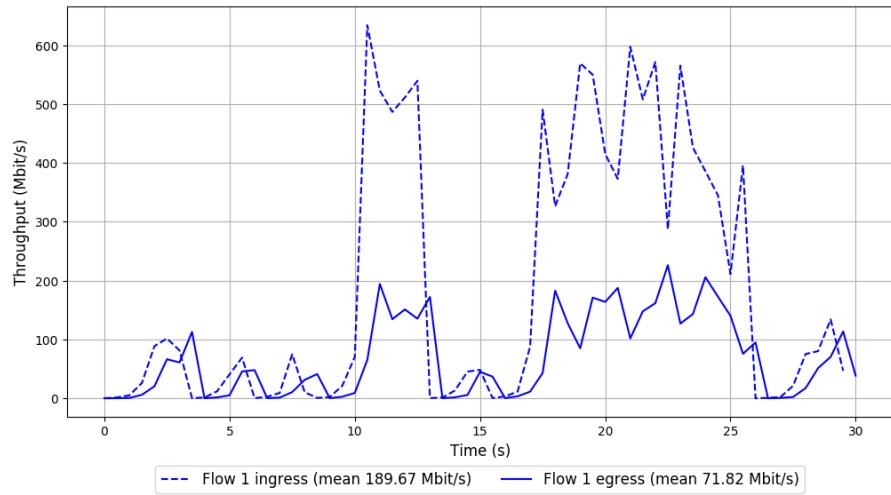


Run 1: Statistics of Verus

```
Start at: 2019-06-27 02:38:39
End at: 2019-06-27 02:39:09
Local clock offset: -2.365 ms
Remote clock offset: -35.646 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.82 Mbit/s
95th percentile per-packet one-way delay: 101.628 ms
Loss rate: 62.13%
-- Flow 1:
Average throughput: 71.82 Mbit/s
95th percentile per-packet one-way delay: 101.628 ms
Loss rate: 62.13%
```

Run 1: Report of Verus — Data Link

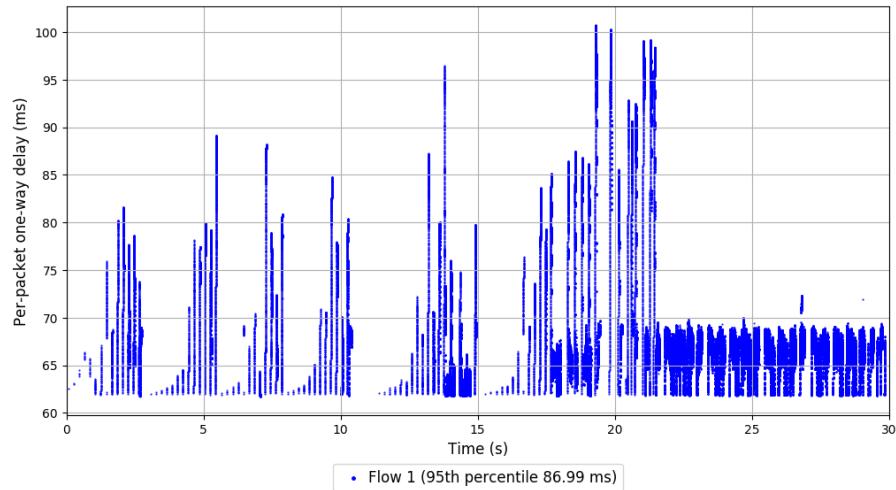
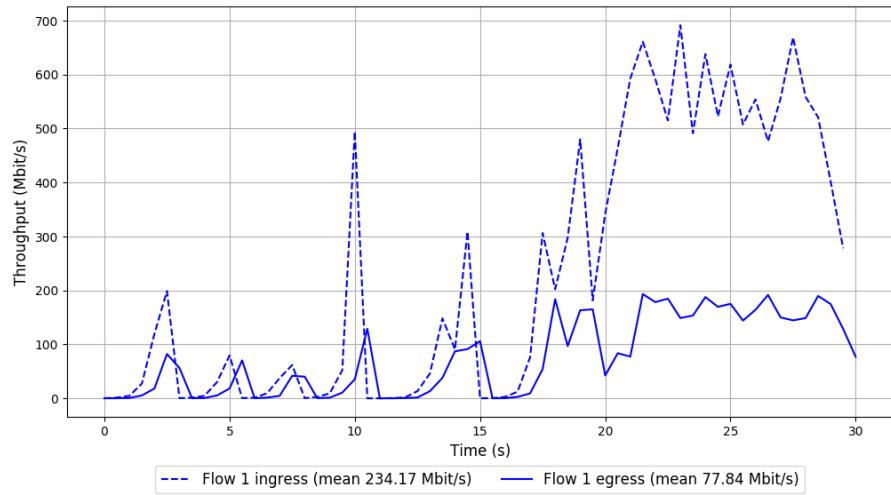


Run 2: Statistics of Verus

```
Start at: 2019-06-27 03:07:19
End at: 2019-06-27 03:07:49
Local clock offset: -2.421 ms
Remote clock offset: -37.636 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.84 Mbit/s
95th percentile per-packet one-way delay: 86.989 ms
Loss rate: 66.75%
-- Flow 1:
Average throughput: 77.84 Mbit/s
95th percentile per-packet one-way delay: 86.989 ms
Loss rate: 66.75%
```

Run 2: Report of Verus — Data Link

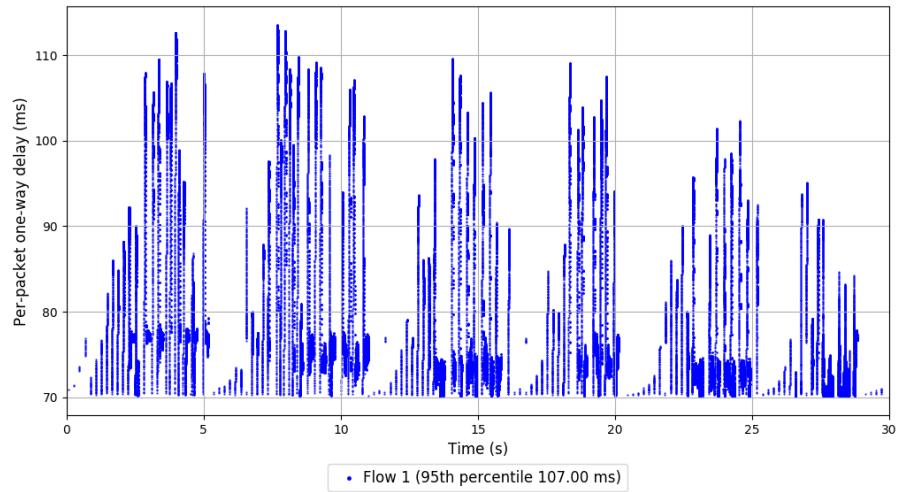
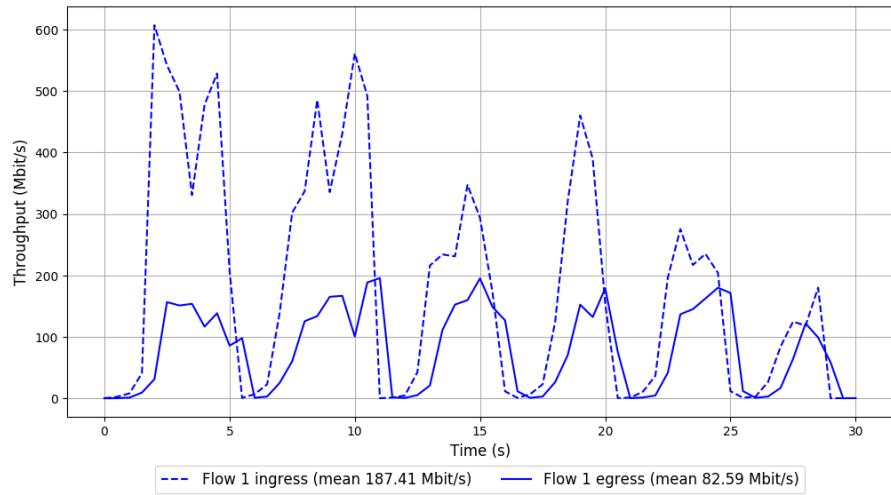


Run 3: Statistics of Verus

```
Start at: 2019-06-27 03:36:04
End at: 2019-06-27 03:36:34
Local clock offset: -3.079 ms
Remote clock offset: -28.516 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 107.001 ms
Loss rate: 55.93%
-- Flow 1:
Average throughput: 82.59 Mbit/s
95th percentile per-packet one-way delay: 107.001 ms
Loss rate: 55.93%
```

Run 3: Report of Verus — Data Link

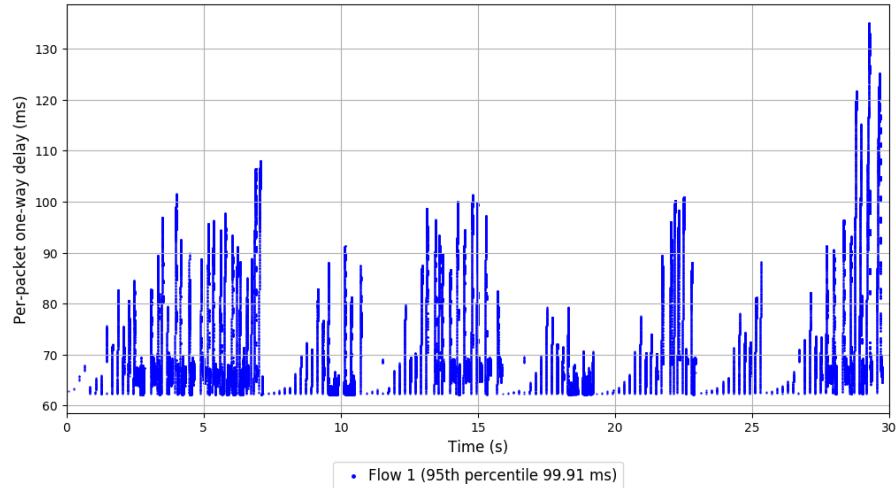
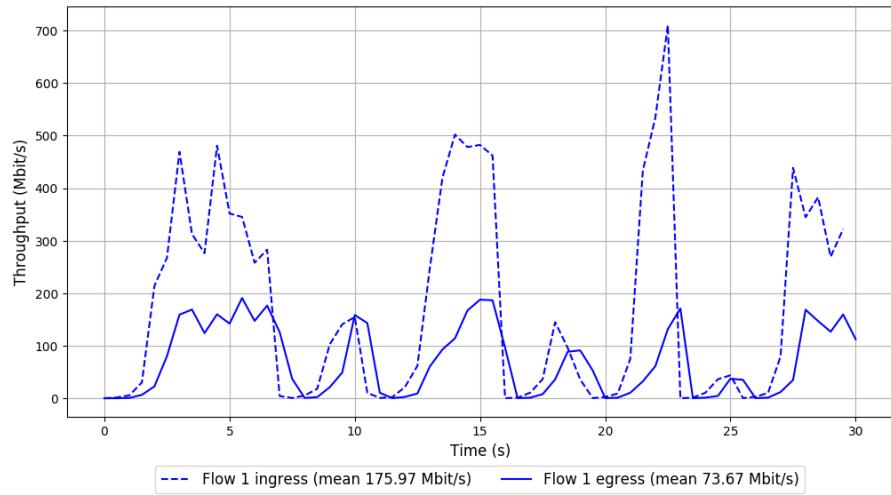


Run 4: Statistics of Verus

```
Start at: 2019-06-27 04:04:50
End at: 2019-06-27 04:05:20
Local clock offset: 2.92 ms
Remote clock offset: -36.914 ms

# Below is generated by plot.py at 2019-06-27 05:11:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.67 Mbit/s
95th percentile per-packet one-way delay: 99.914 ms
Loss rate: 58.13%
-- Flow 1:
Average throughput: 73.67 Mbit/s
95th percentile per-packet one-way delay: 99.914 ms
Loss rate: 58.13%
```

Run 4: Report of Verus — Data Link

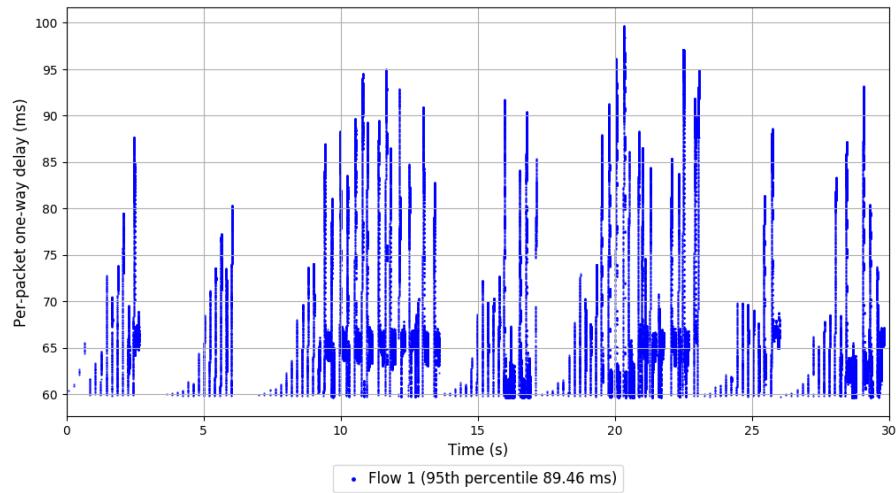
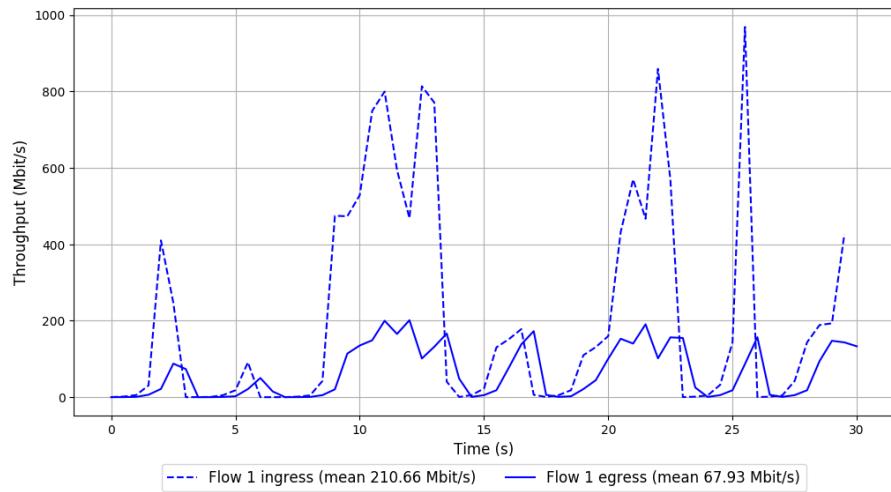


Run 5: Statistics of Verus

```
Start at: 2019-06-27 04:33:28
End at: 2019-06-27 04:33:58
Local clock offset: -1.921 ms
Remote clock offset: -40.535 ms

# Below is generated by plot.py at 2019-06-27 05:11:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.93 Mbit/s
95th percentile per-packet one-way delay: 89.461 ms
Loss rate: 67.75%
-- Flow 1:
Average throughput: 67.93 Mbit/s
95th percentile per-packet one-way delay: 89.461 ms
Loss rate: 67.75%
```

Run 5: Report of Verus — Data Link

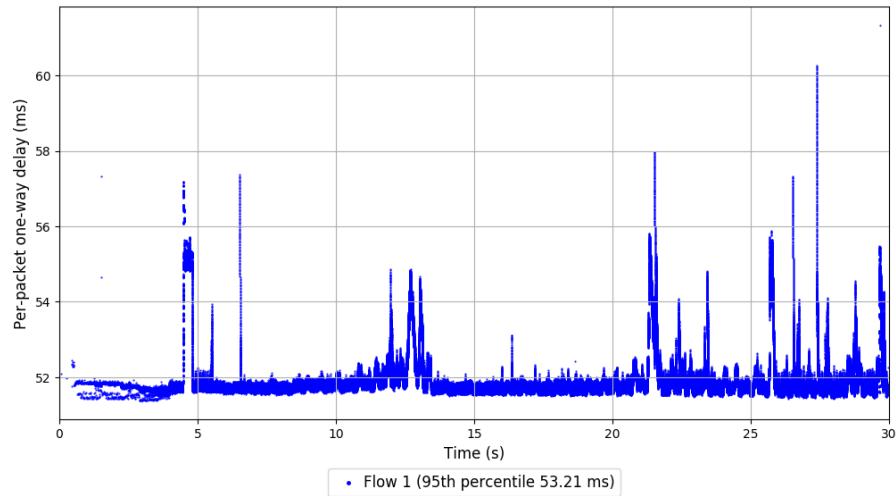
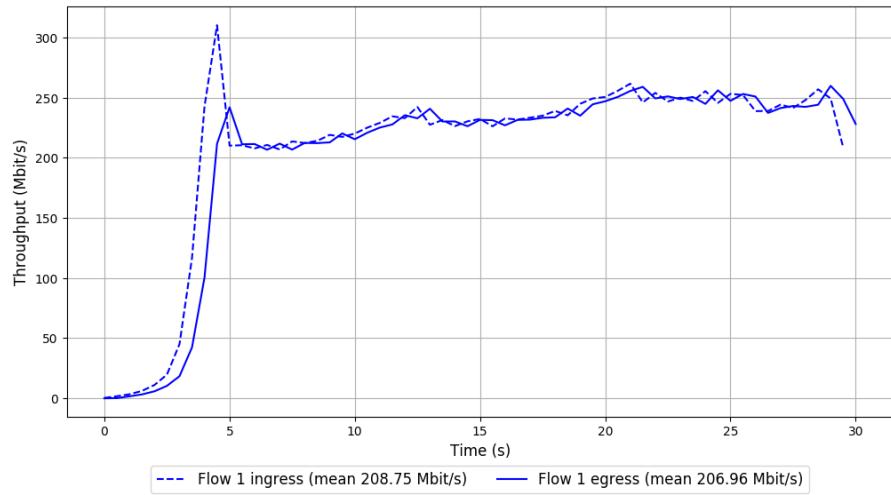


Run 1: Statistics of PCC-Vivace

```
Start at: 2019-06-27 02:19:18
End at: 2019-06-27 02:19:48
Local clock offset: 1.843 ms
Remote clock offset: -47.864 ms

# Below is generated by plot.py at 2019-06-27 05:12:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.96 Mbit/s
95th percentile per-packet one-way delay: 53.209 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 206.96 Mbit/s
95th percentile per-packet one-way delay: 53.209 ms
Loss rate: 0.86%
```

Run 1: Report of PCC-Vivace — Data Link

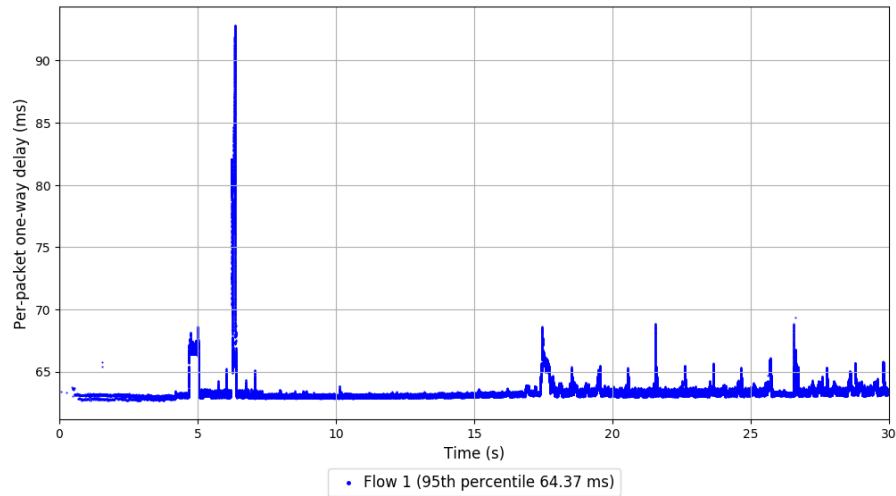
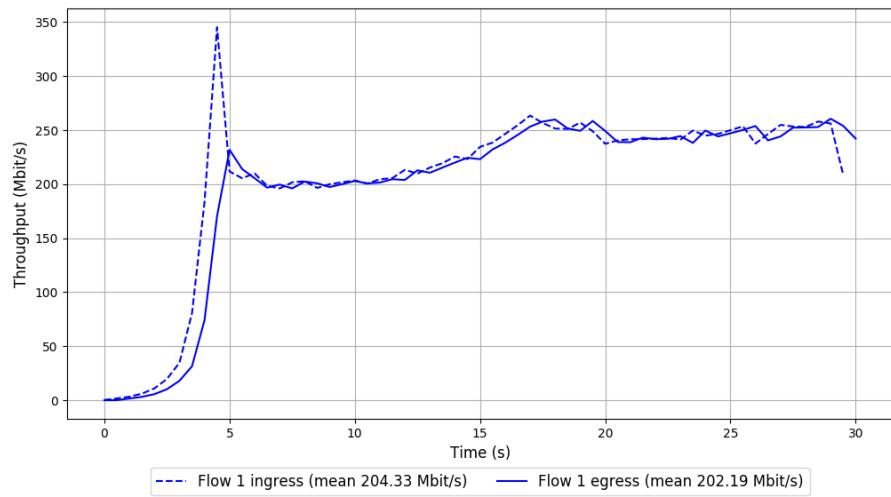


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-06-27 02:48:05
End at: 2019-06-27 02:48:35
Local clock offset: -3.533 ms
Remote clock offset: -36.561 ms

# Below is generated by plot.py at 2019-06-27 05:12:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.19 Mbit/s
95th percentile per-packet one-way delay: 64.366 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 202.19 Mbit/s
95th percentile per-packet one-way delay: 64.366 ms
Loss rate: 1.05%
```

Run 2: Report of PCC-Vivace — Data Link

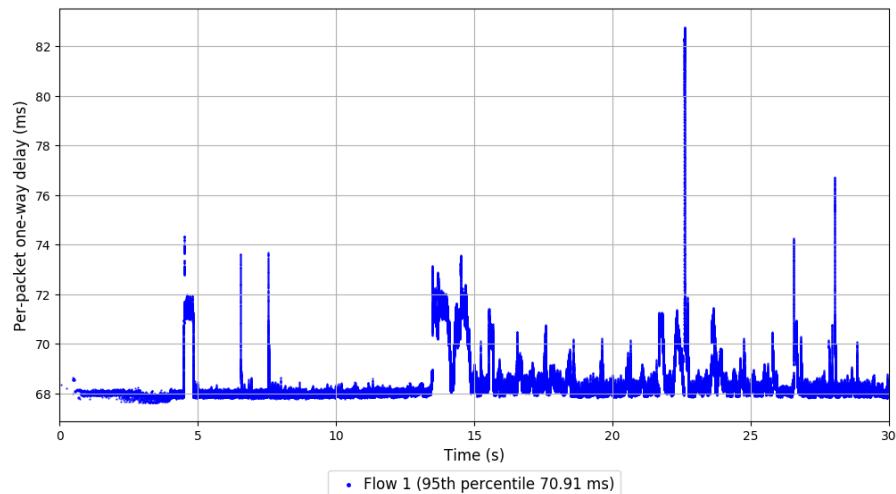
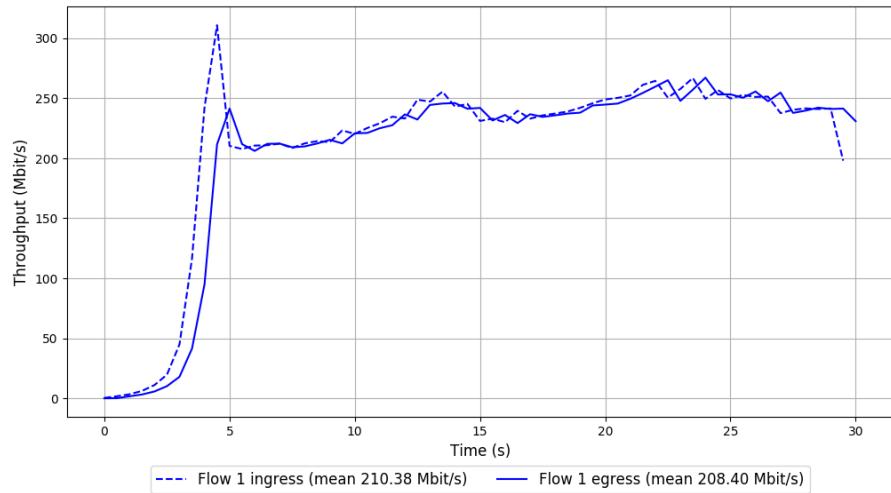


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-06-27 03:16:49
End at: 2019-06-27 03:17:19
Local clock offset: -2.346 ms
Remote clock offset: -31.239 ms

# Below is generated by plot.py at 2019-06-27 05:12:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.40 Mbit/s
95th percentile per-packet one-way delay: 70.914 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 208.40 Mbit/s
95th percentile per-packet one-way delay: 70.914 ms
Loss rate: 0.95%
```

Run 3: Report of PCC-Vivace — Data Link

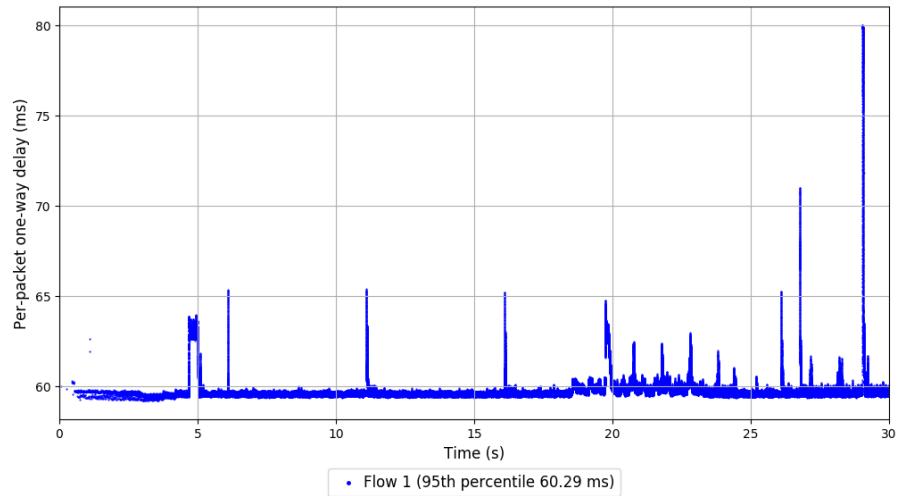
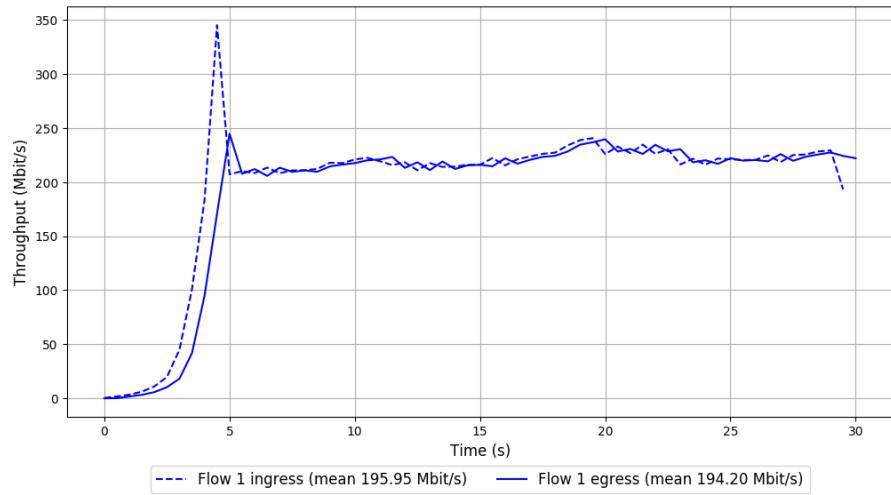


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-06-27 03:45:34
End at: 2019-06-27 03:46:04
Local clock offset: -3.681 ms
Remote clock offset: -39.693 ms

# Below is generated by plot.py at 2019-06-27 05:12:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 194.20 Mbit/s
95th percentile per-packet one-way delay: 60.291 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 194.20 Mbit/s
95th percentile per-packet one-way delay: 60.291 ms
Loss rate: 0.89%
```

Run 4: Report of PCC-Vivace — Data Link

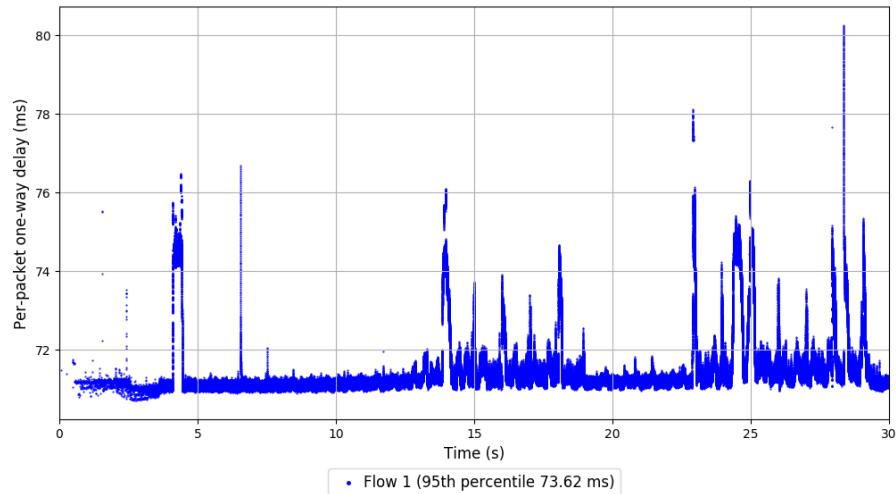
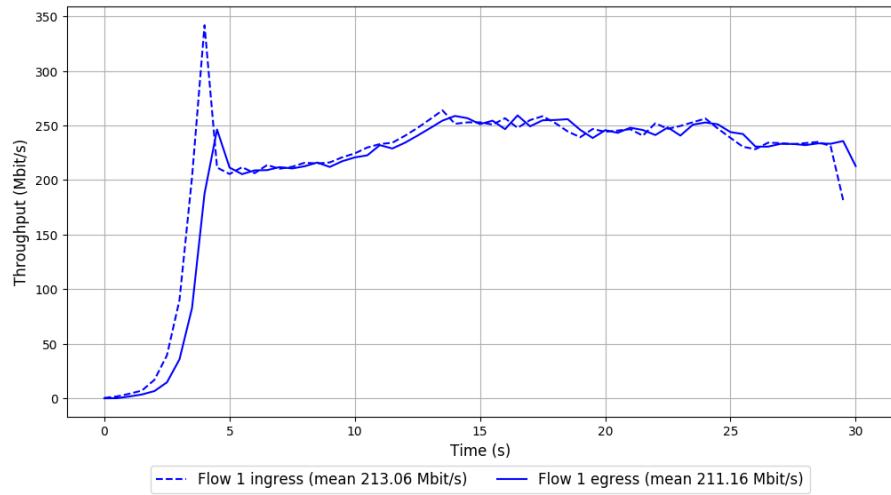


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-06-27 04:14:16
End at: 2019-06-27 04:14:46
Local clock offset: 3.55 ms
Remote clock offset: -28.705 ms

# Below is generated by plot.py at 2019-06-27 05:12:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.16 Mbit/s
95th percentile per-packet one-way delay: 73.621 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 211.16 Mbit/s
95th percentile per-packet one-way delay: 73.621 ms
Loss rate: 0.89%
```

Run 5: Report of PCC-Vivace — Data Link

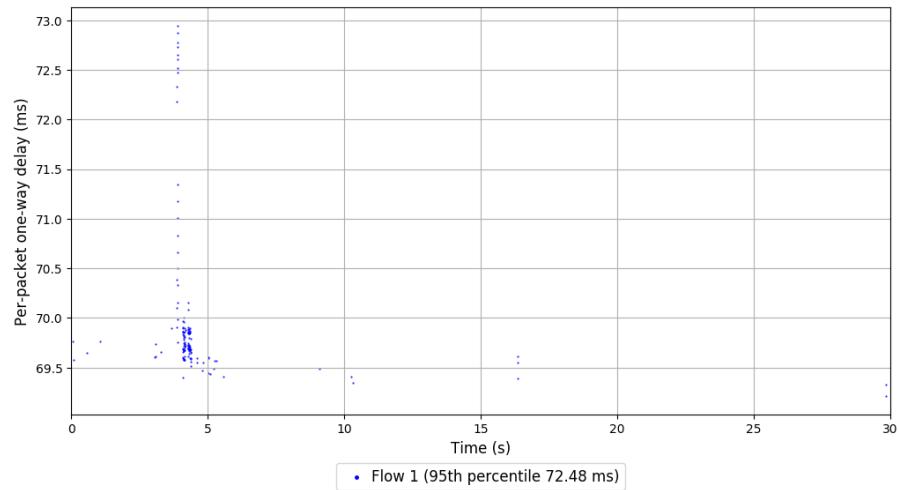
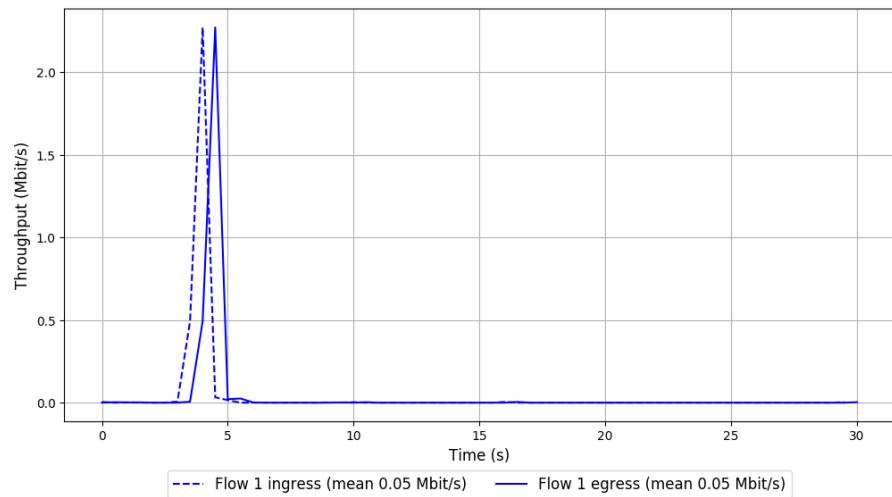


```
Run 1: Statistics of WebRTC media

Start at: 2019-06-27 02:24:42
End at: 2019-06-27 02:25:12
Local clock offset: 0.007 ms
Remote clock offset: -29.88 ms

# Below is generated by plot.py at 2019-06-27 05:12:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 72.476 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 72.476 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

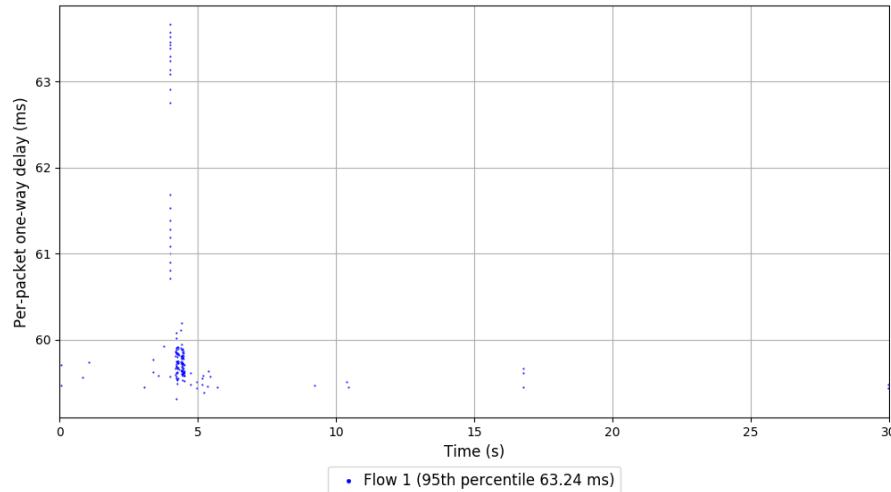
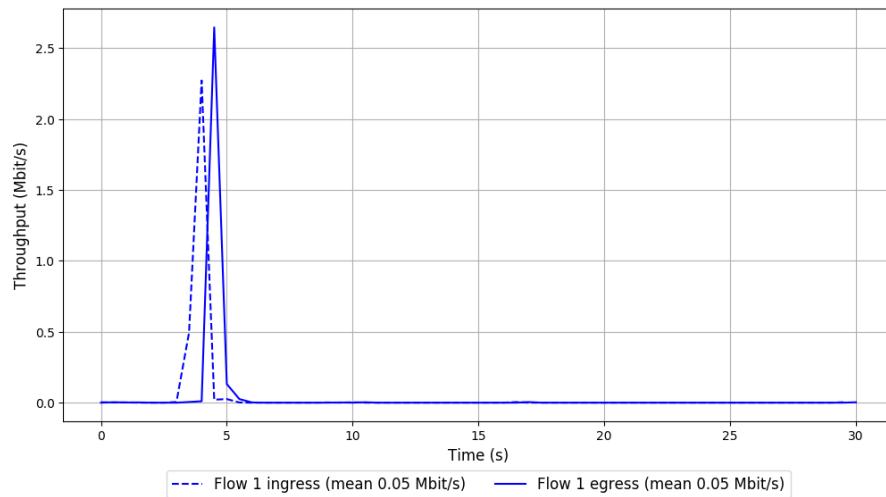


Run 2: Statistics of WebRTC media

```
Start at: 2019-06-27 02:53:29
End at: 2019-06-27 02:53:59
Local clock offset: -1.892 ms
Remote clock offset: -39.295 ms

# Below is generated by plot.py at 2019-06-27 05:12:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.236 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.236 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

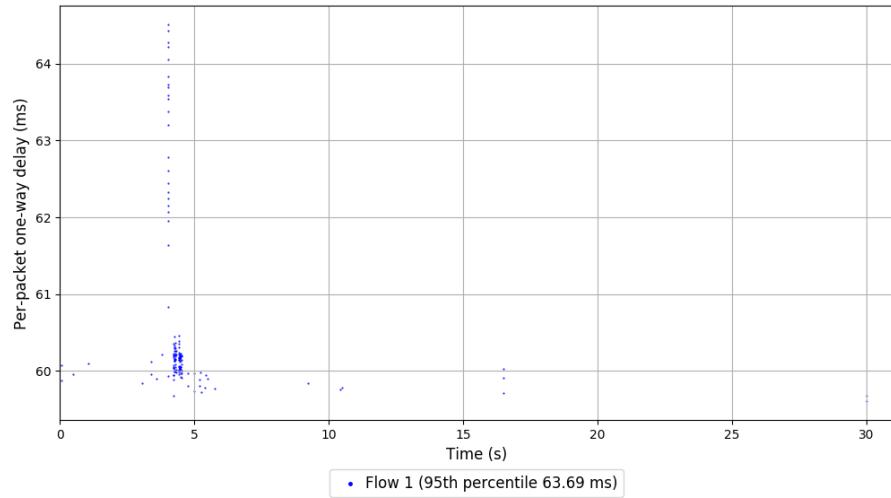
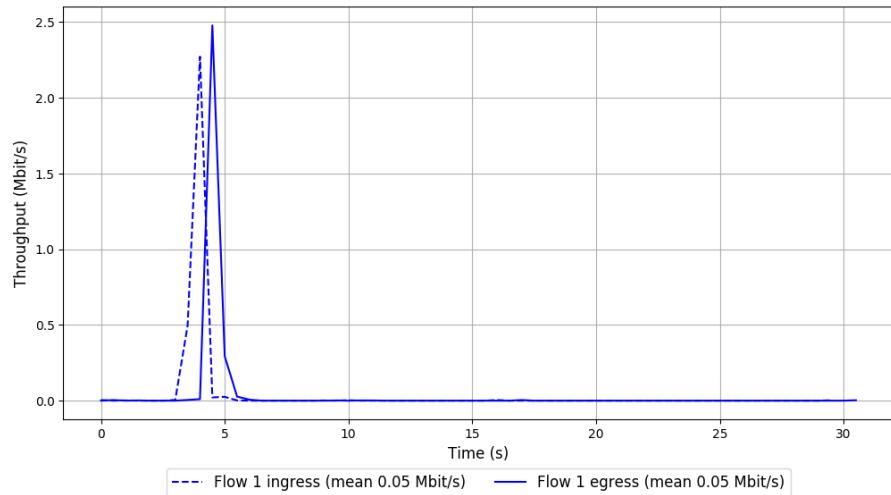


Run 3: Statistics of WebRTC media

```
Start at: 2019-06-27 03:22:11
End at: 2019-06-27 03:22:41
Local clock offset: -2.119 ms
Remote clock offset: -38.751 ms

# Below is generated by plot.py at 2019-06-27 05:12:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.690 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.690 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

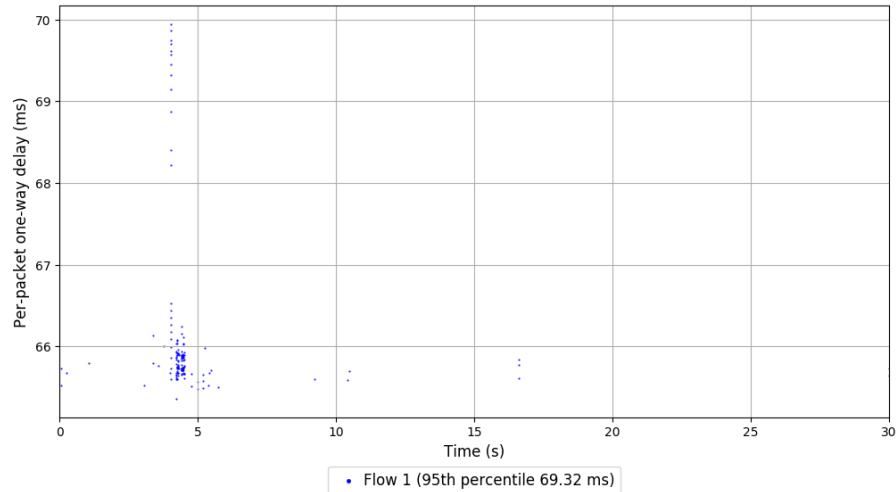
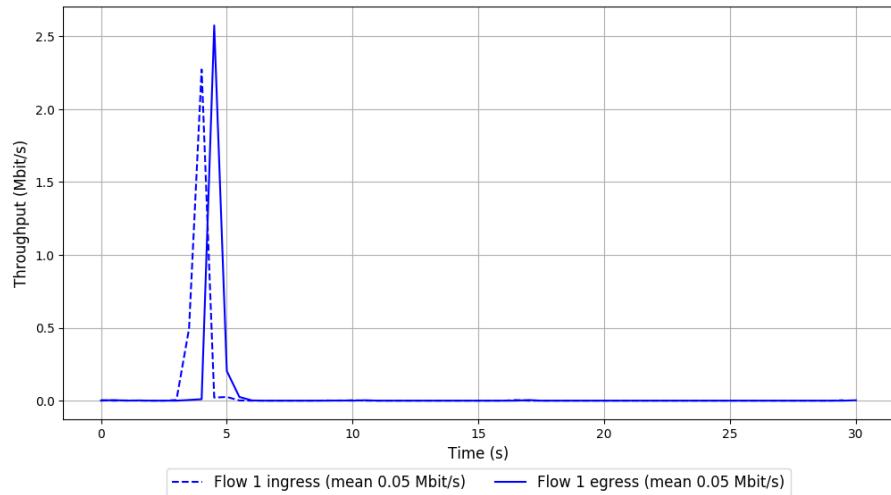


Run 4: Statistics of WebRTC media

```
Start at: 2019-06-27 03:50:56
End at: 2019-06-27 03:51:26
Local clock offset: -2.092 ms
Remote clock offset: -33.761 ms

# Below is generated by plot.py at 2019-06-27 05:12:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 69.323 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 69.323 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-06-27 04:19:35
End at: 2019-06-27 04:20:05
Local clock offset: 3.322 ms
Remote clock offset: -49.846 ms

# Below is generated by plot.py at 2019-06-27 05:12:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 53.034 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 53.034 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

