

Pantheon Report

Generated at 2019-01-18 22:19:56 (UTC).
Data path: AWS India 2 on `ens5` (*local*) → Saudi Arabia on `enp2s0` (*remote*).
Repeated the test of 21 congestion control schemes 5 times.
Each test lasted for 30 seconds running 1 flow.
NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

System info:

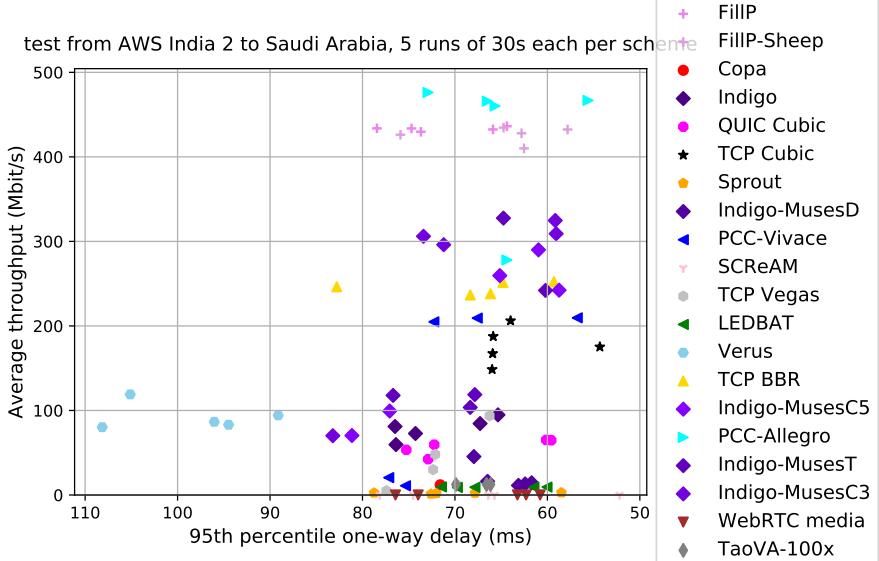
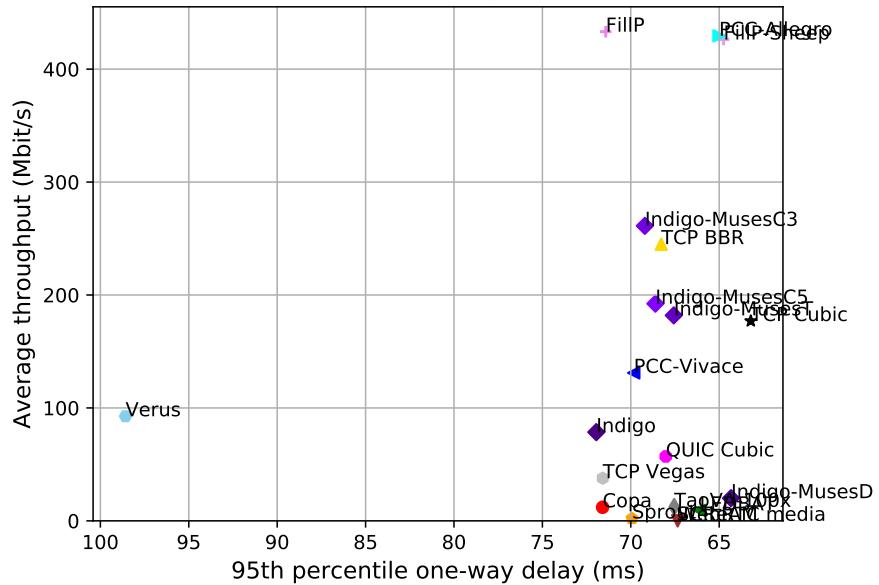
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

```
branch: muses @ c80a283586bf7b0cc1fe08c69c8f60d56498f81c
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ c3eee875824760ec5b2fd207fefef166e1afe2170
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)



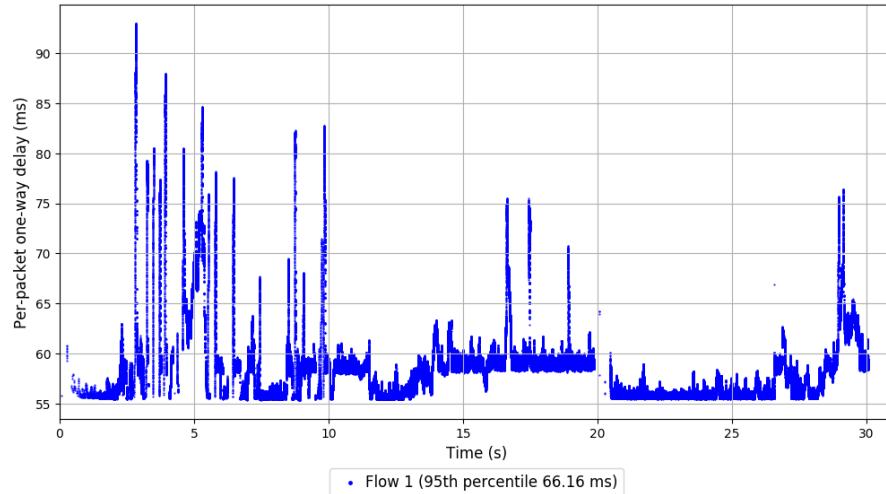
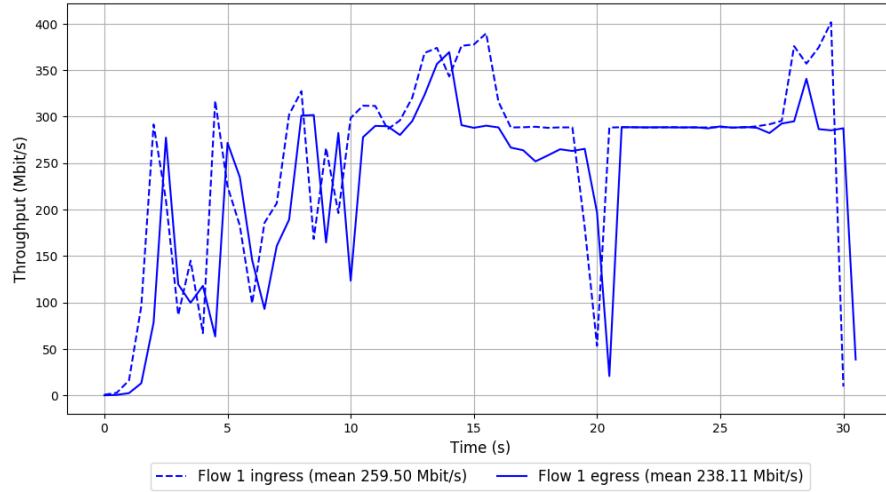
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	245.02	68.28	6.84
Copa	1	12.03	71.59	27.21
TCP Cubic	5	176.96	63.21	0.58
FillP	5	433.17	71.42	5.38
FillP-Sheep	5	426.22	64.75	4.78
Indigo	5	78.56	71.95	0.10
Indigo-MusesC3	5	261.22	69.21	13.33
Indigo-MusesC5	5	192.32	68.61	13.19
Indigo-MusesD	5	20.08	64.33	0.00
Indigo-MusesT	5	181.96	67.57	4.20
LEDBAT	5	9.26	66.11	0.00
PCC-Allegro	5	429.42	65.01	4.46
PCC-Expr	0	N/A	N/A	N/A
QUIC Cubic	5	57.05	68.02	0.03
SCReAM	5	0.20	67.39	0.07
Sprout	5	2.14	69.93	0.00
TaoVA-100x	3	12.39	67.54	28.14
TCP Vegas	5	37.77	71.59	0.37
Verus	5	92.63	98.58	58.09
PCC-Vivace	5	131.04	69.83	1.00
WebRTC media	5	0.05	67.35	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-01-18 19:13:18
End at: 2019-01-18 19:13:48
Local clock offset: 2.823 ms
Remote clock offset: -42.315 ms

# Below is generated by plot.py at 2019-01-18 22:01:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 238.11 Mbit/s
95th percentile per-packet one-way delay: 66.155 ms
Loss rate: 8.23%
-- Flow 1:
Average throughput: 238.11 Mbit/s
95th percentile per-packet one-way delay: 66.155 ms
Loss rate: 8.23%
```

Run 1: Report of TCP BBR — Data Link

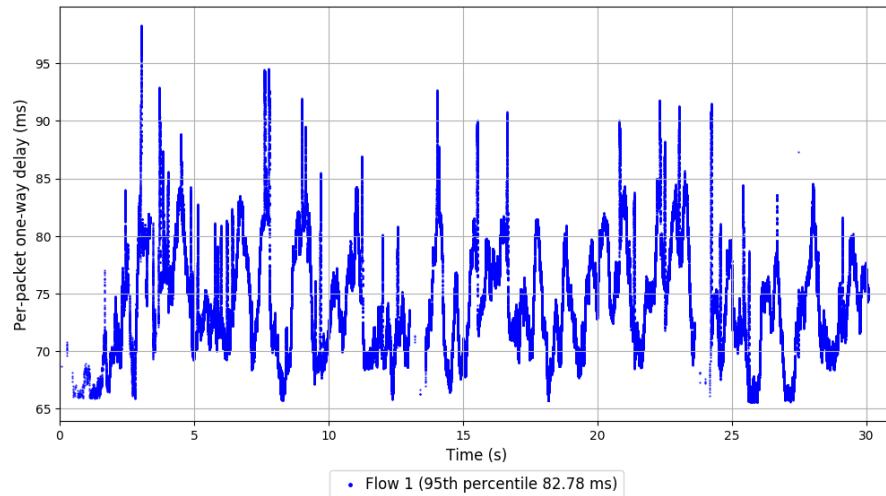
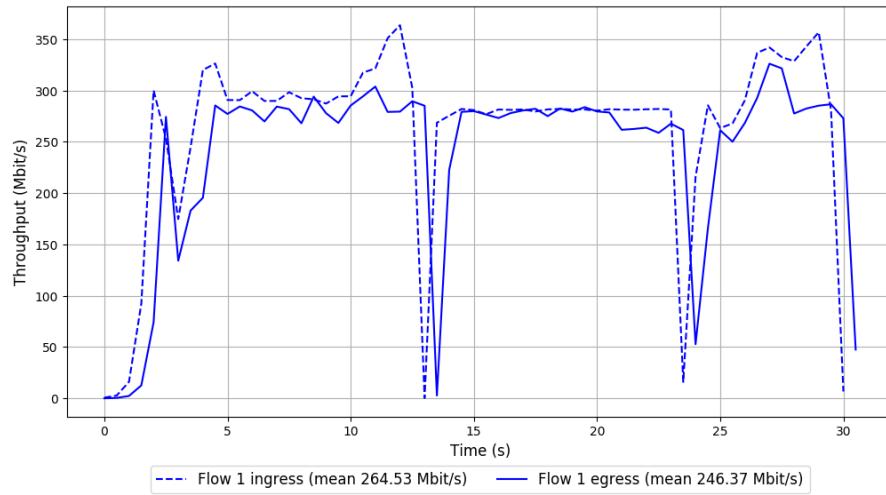


Run 2: Statistics of TCP BBR

```
Start at: 2019-01-18 19:54:37
End at: 2019-01-18 19:55:07
Local clock offset: -0.867 ms
Remote clock offset: -33.665 ms

# Below is generated by plot.py at 2019-01-18 22:01:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 246.37 Mbit/s
95th percentile per-packet one-way delay: 82.785 ms
Loss rate: 6.86%
-- Flow 1:
Average throughput: 246.37 Mbit/s
95th percentile per-packet one-way delay: 82.785 ms
Loss rate: 6.86%
```

Run 2: Report of TCP BBR — Data Link

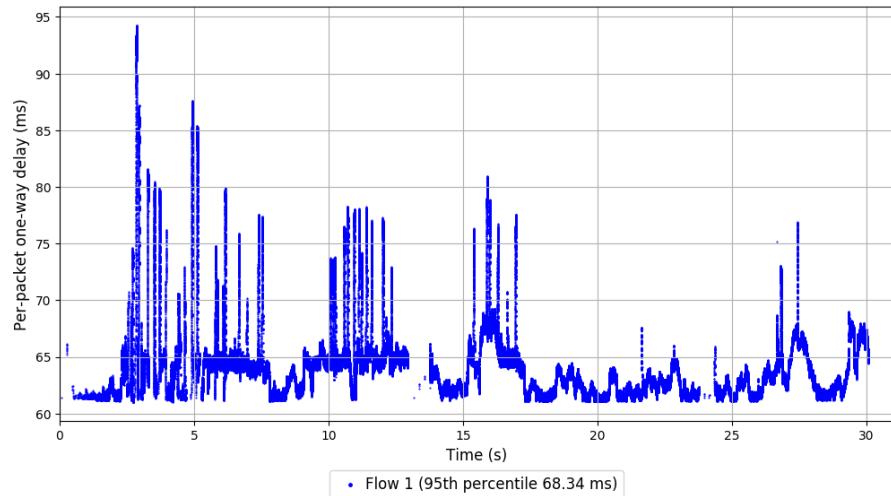
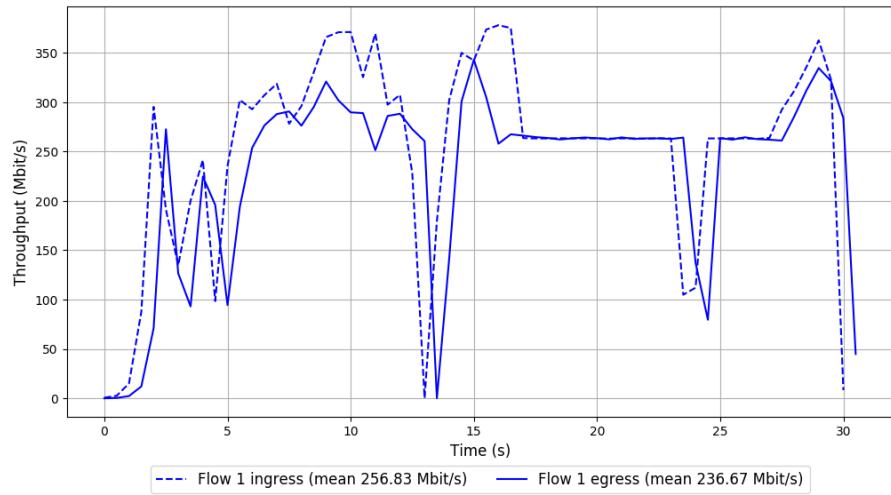


Run 3: Statistics of TCP BBR

```
Start at: 2019-01-18 20:26:45
End at: 2019-01-18 20:27:15
Local clock offset: 0.433 ms
Remote clock offset: -39.365 ms

# Below is generated by plot.py at 2019-01-18 22:01:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 236.67 Mbit/s
95th percentile per-packet one-way delay: 68.339 ms
Loss rate: 7.84%
-- Flow 1:
Average throughput: 236.67 Mbit/s
95th percentile per-packet one-way delay: 68.339 ms
Loss rate: 7.84%
```

Run 3: Report of TCP BBR — Data Link

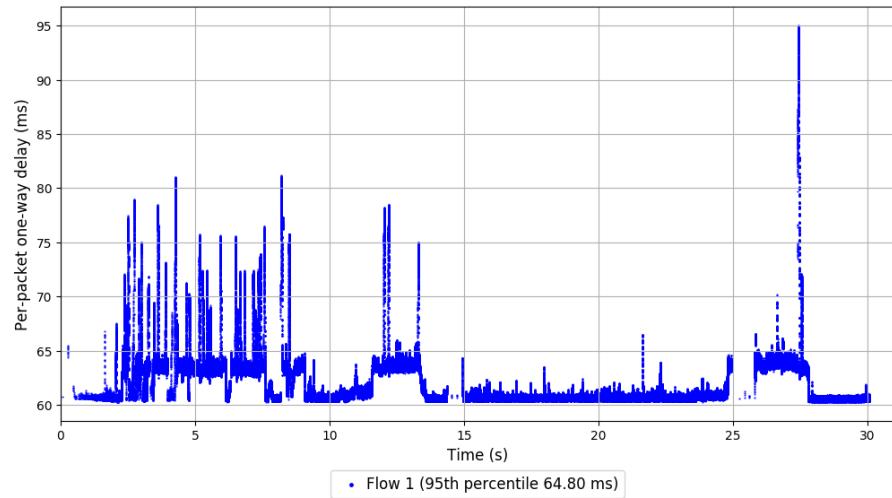
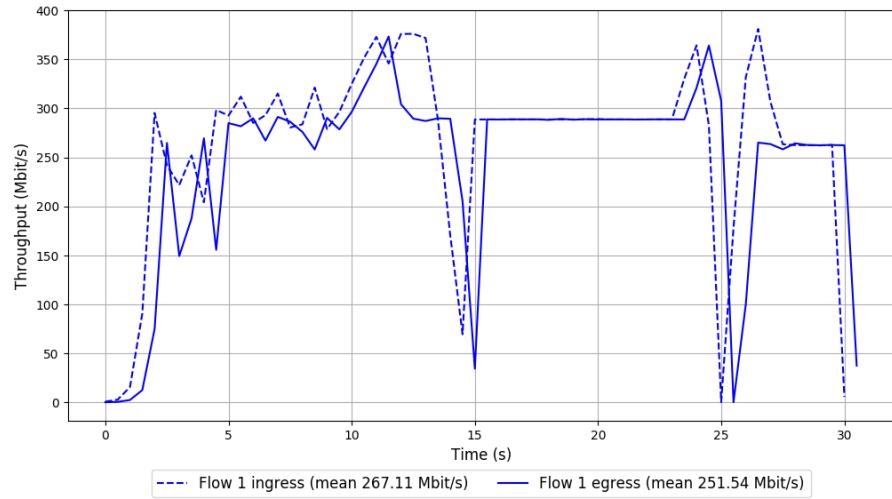


Run 4: Statistics of TCP BBR

```
Start at: 2019-01-18 20:59:22
End at: 2019-01-18 20:59:52
Local clock offset: 0.213 ms
Remote clock offset: -40.941 ms

# Below is generated by plot.py at 2019-01-18 22:01:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 251.54 Mbit/s
95th percentile per-packet one-way delay: 64.802 ms
Loss rate: 5.83%
-- Flow 1:
Average throughput: 251.54 Mbit/s
95th percentile per-packet one-way delay: 64.802 ms
Loss rate: 5.83%
```

Run 4: Report of TCP BBR — Data Link

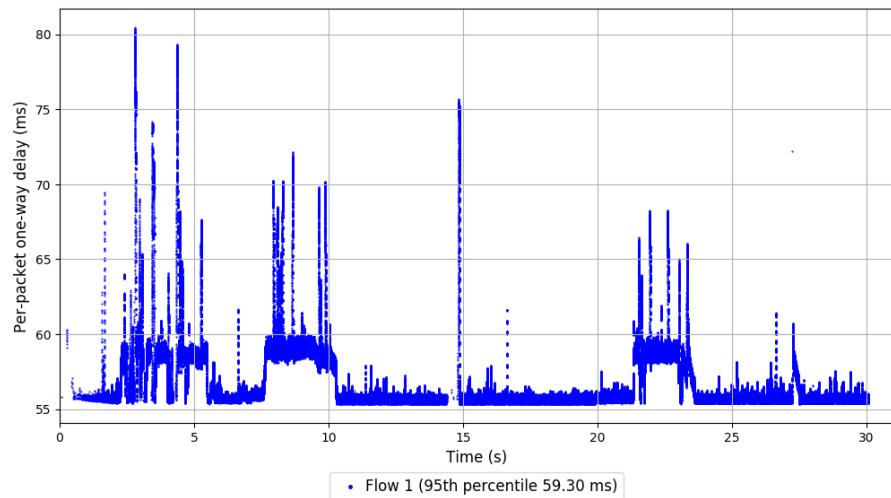
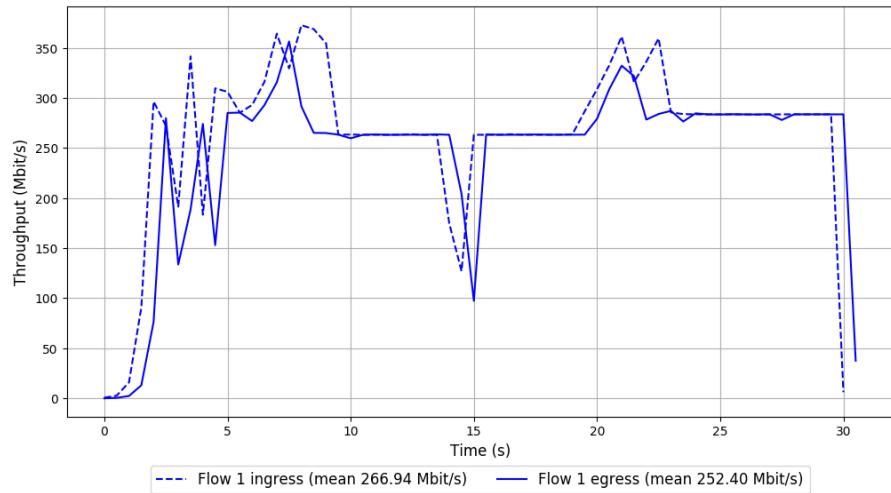


Run 5: Statistics of TCP BBR

```
Start at: 2019-01-18 21:47:27
End at: 2019-01-18 21:47:57
Local clock offset: -1.232 ms
Remote clock offset: -44.861 ms

# Below is generated by plot.py at 2019-01-18 22:01:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 252.40 Mbit/s
95th percentile per-packet one-way delay: 59.301 ms
Loss rate: 5.45%
-- Flow 1:
Average throughput: 252.40 Mbit/s
95th percentile per-packet one-way delay: 59.301 ms
Loss rate: 5.45%
```

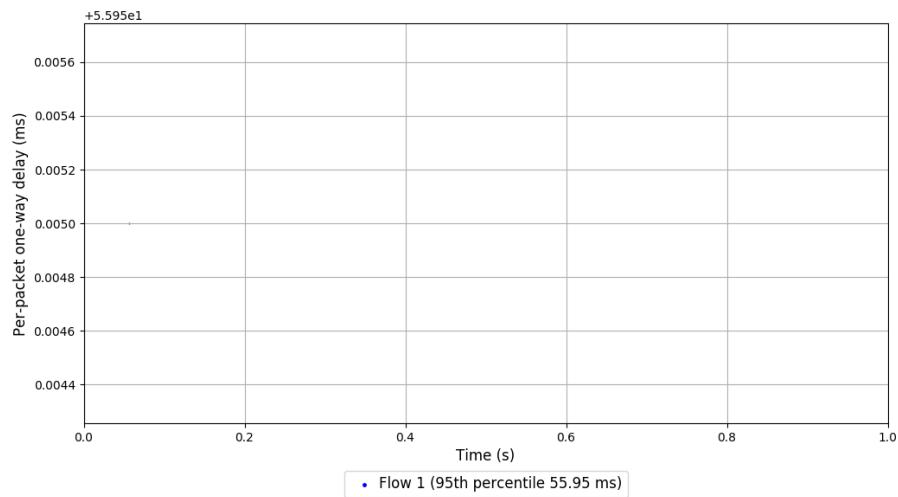
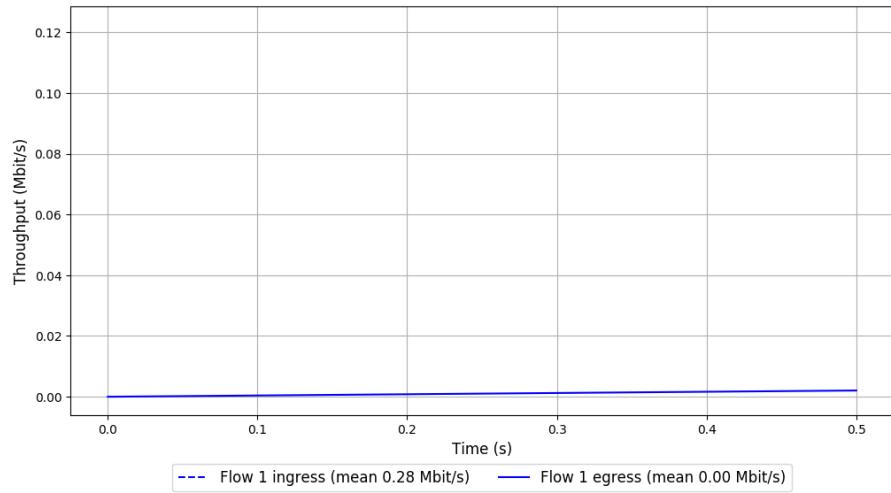
Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-01-18 18:54:04
End at: 2019-01-18 18:54:34
Local clock offset: -2.129 ms
Remote clock offset: -44.439 ms

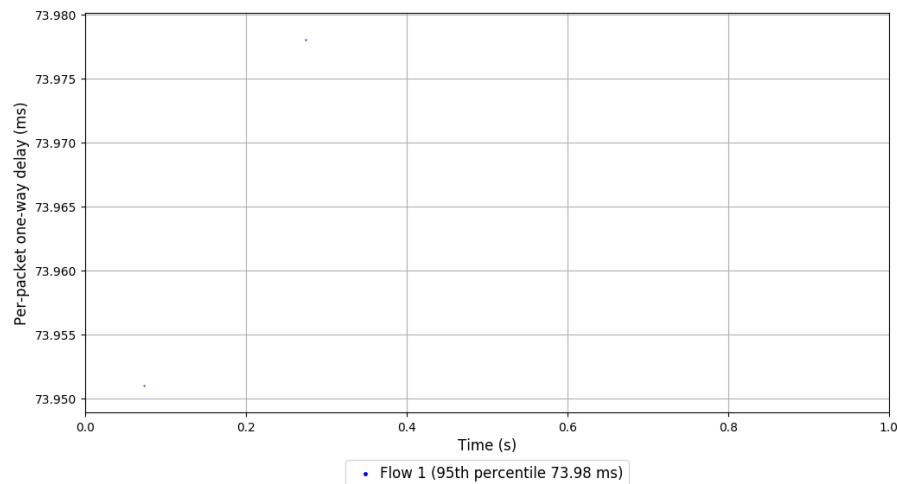
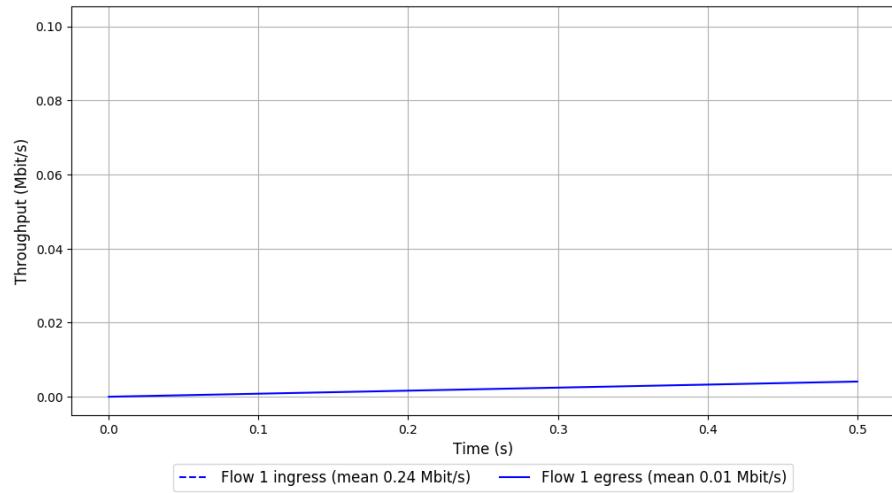
Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

Start at: 2019-01-18 19:20:45
End at: 2019-01-18 19:21:15
Local clock offset: 2.245 ms
Remote clock offset: -38.906 ms

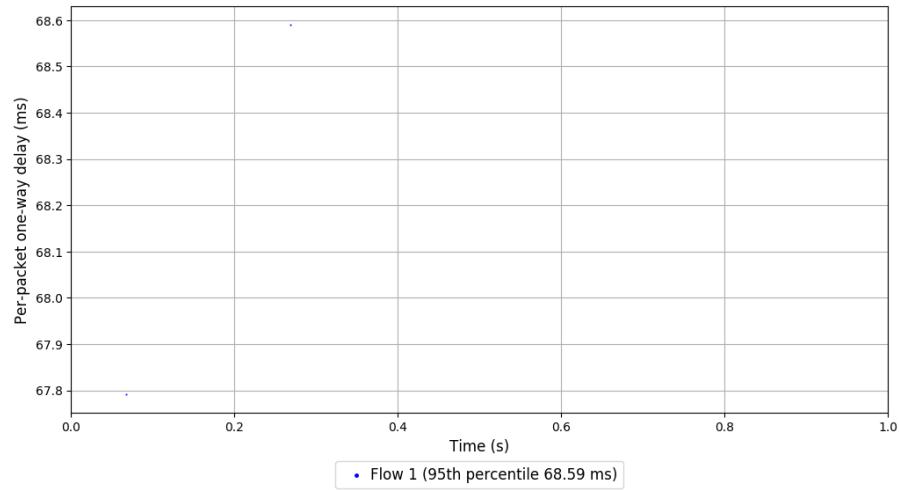
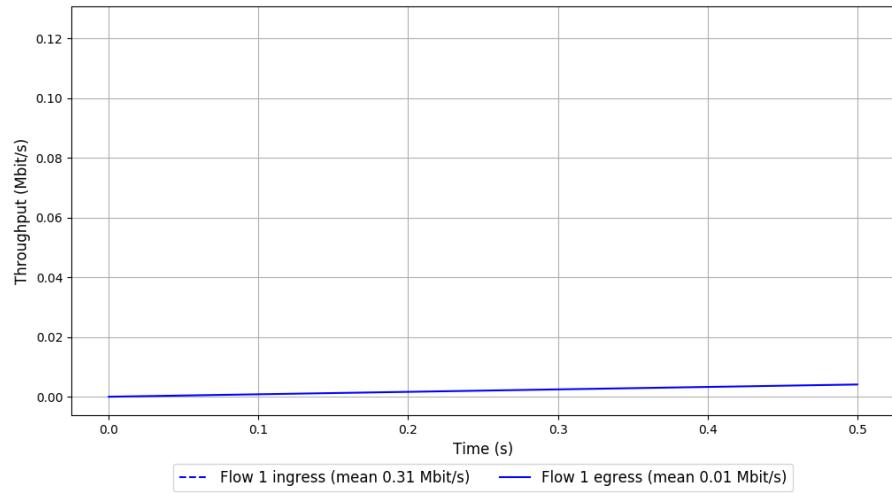
Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-01-18 20:02:05
End at: 2019-01-18 20:02:35
Local clock offset: -0.757 ms
Remote clock offset: -38.402 ms

Run 3: Report of Copa — Data Link

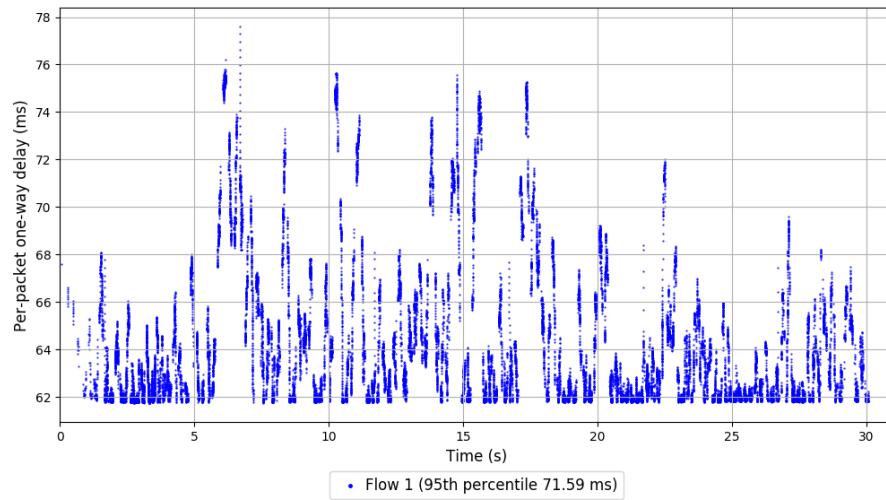
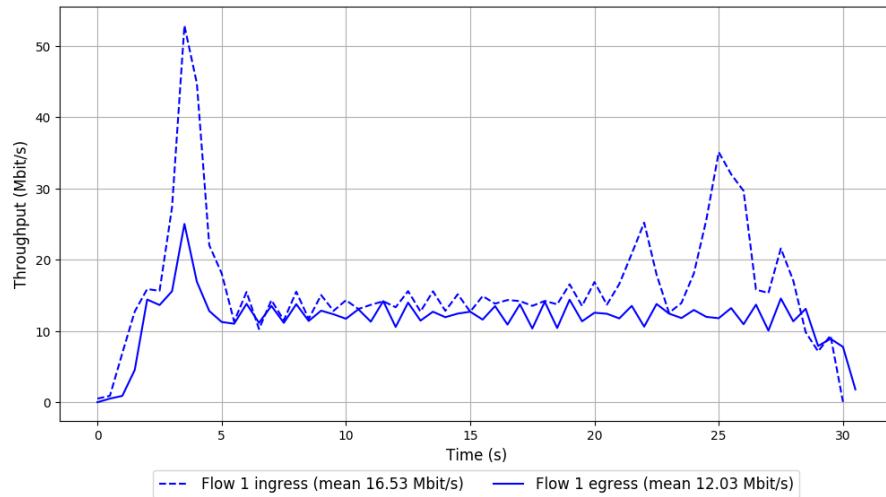


Run 4: Statistics of Copa

```
Start at: 2019-01-18 20:34:23
End at: 2019-01-18 20:34:53
Local clock offset: -1.304 ms
Remote clock offset: -38.632 ms

# Below is generated by plot.py at 2019-01-18 22:01:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 71.595 ms
Loss rate: 27.21%
-- Flow 1:
Average throughput: 12.03 Mbit/s
95th percentile per-packet one-way delay: 71.595 ms
Loss rate: 27.21%
```

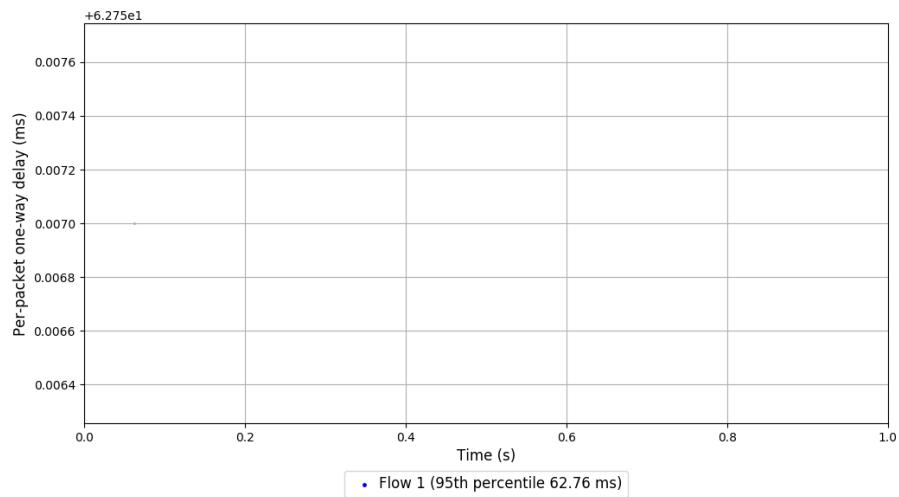
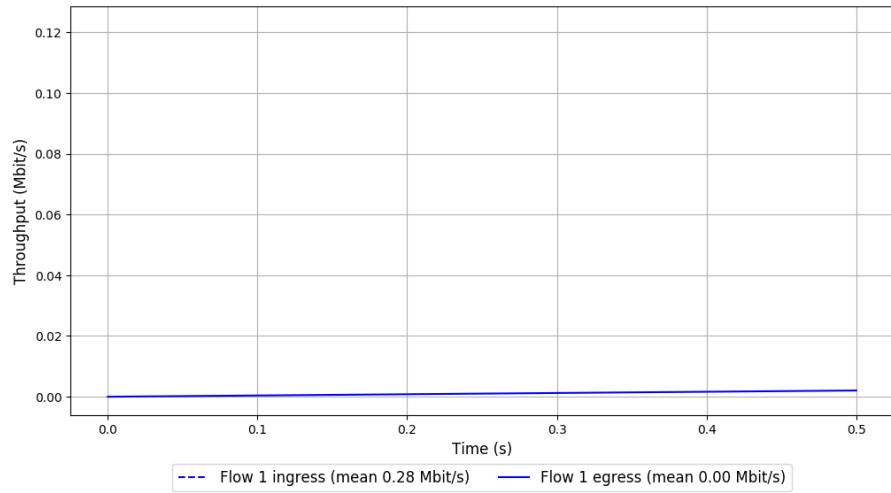
Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

Start at: 2019-01-18 21:16:47
End at: 2019-01-18 21:17:17
Local clock offset: -0.926 ms
Remote clock offset: -38.212 ms

Run 5: Report of Copa — Data Link

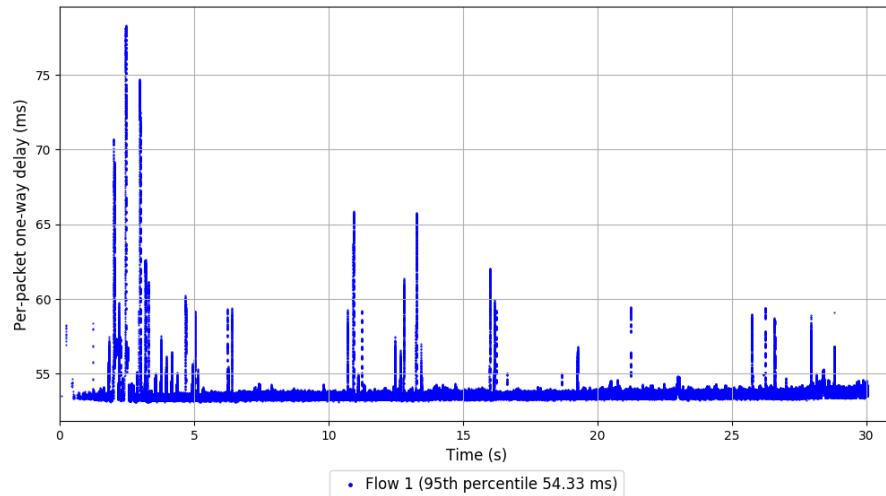
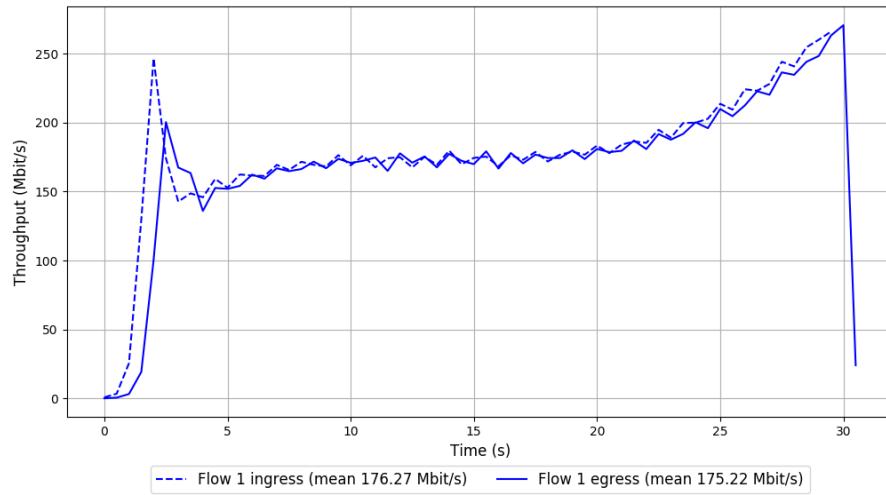


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-01-18 18:50:00
End at: 2019-01-18 18:50:30
Local clock offset: -3.582 ms
Remote clock offset: -46.756 ms

# Below is generated by plot.py at 2019-01-18 22:01:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 175.22 Mbit/s
95th percentile per-packet one-way delay: 54.328 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 175.22 Mbit/s
95th percentile per-packet one-way delay: 54.328 ms
Loss rate: 0.59%
```

Run 1: Report of TCP Cubic — Data Link

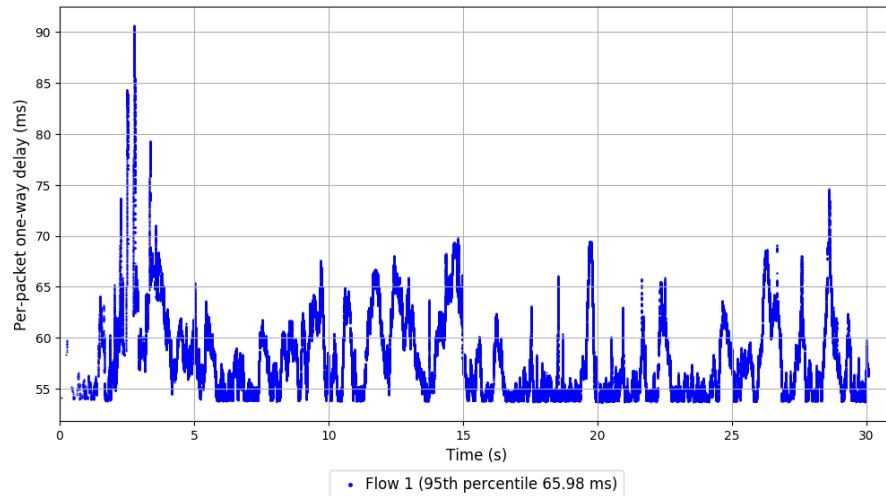
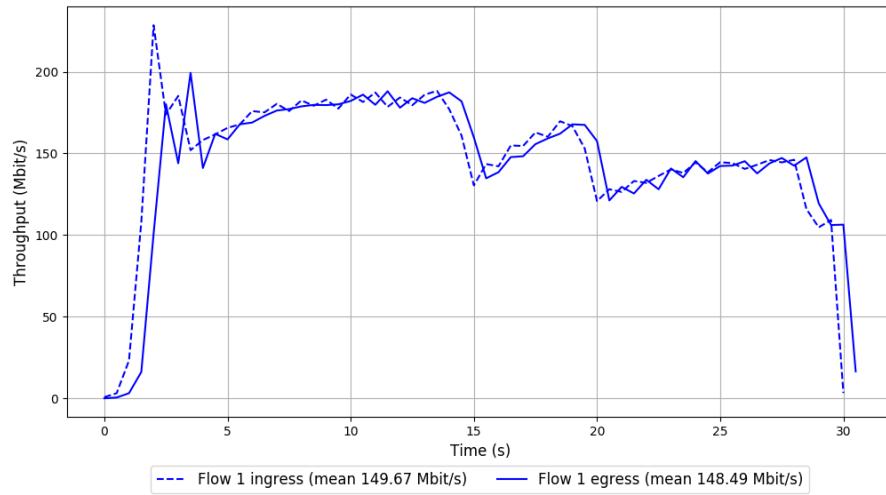


Run 2: Statistics of TCP Cubic

```
Start at: 2019-01-18 19:17:02
End at: 2019-01-18 19:17:32
Local clock offset: 1.795 ms
Remote clock offset: -45.345 ms

# Below is generated by plot.py at 2019-01-18 22:01:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 148.49 Mbit/s
95th percentile per-packet one-way delay: 65.978 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 148.49 Mbit/s
95th percentile per-packet one-way delay: 65.978 ms
Loss rate: 0.79%
```

Run 2: Report of TCP Cubic — Data Link

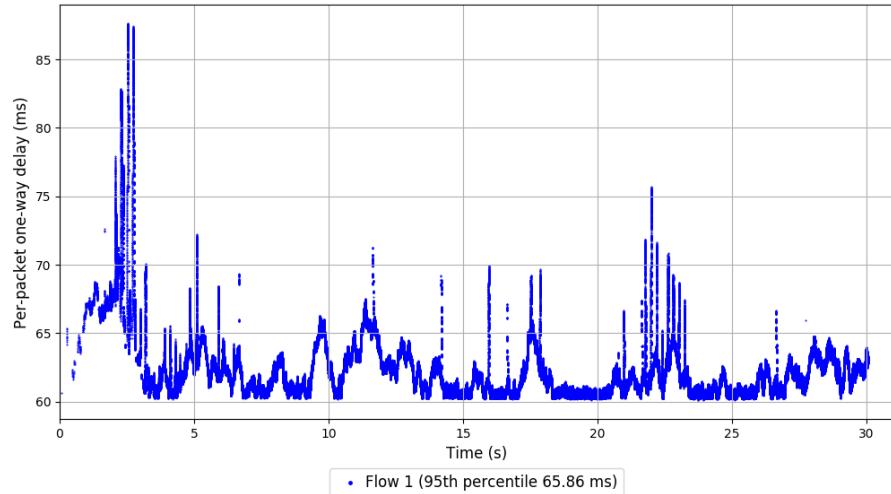
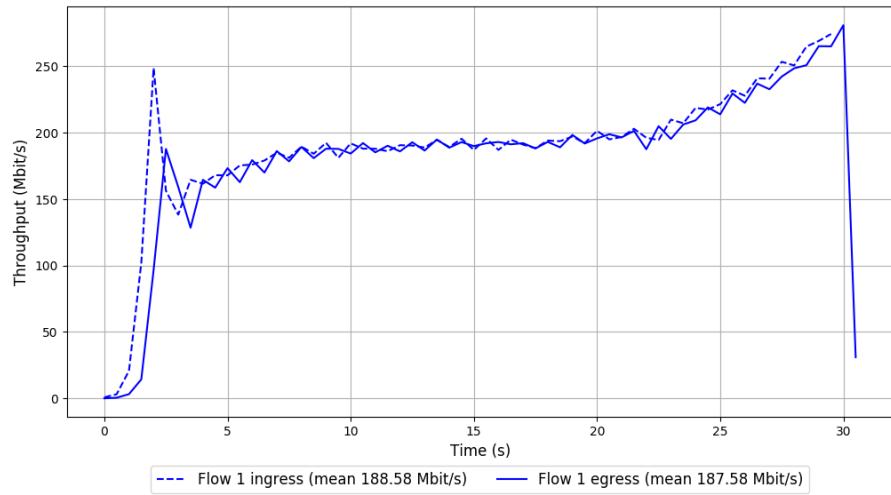


```
Run 3: Statistics of TCP Cubic
```

```
Start at: 2019-01-18 19:58:22
End at: 2019-01-18 19:58:52
Local clock offset: -0.664 ms
Remote clock offset: -38.05 ms

# Below is generated by plot.py at 2019-01-18 22:01:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 187.58 Mbit/s
95th percentile per-packet one-way delay: 65.859 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 187.58 Mbit/s
95th percentile per-packet one-way delay: 65.859 ms
Loss rate: 0.52%
```

Run 3: Report of TCP Cubic — Data Link

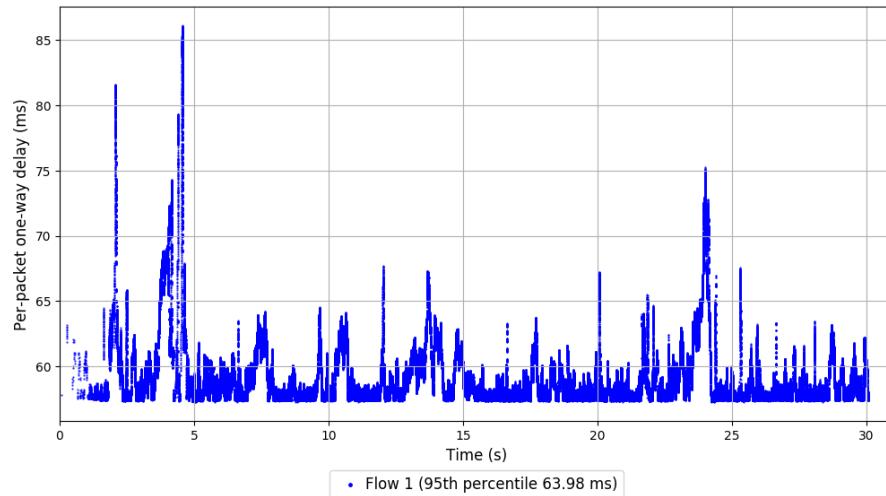
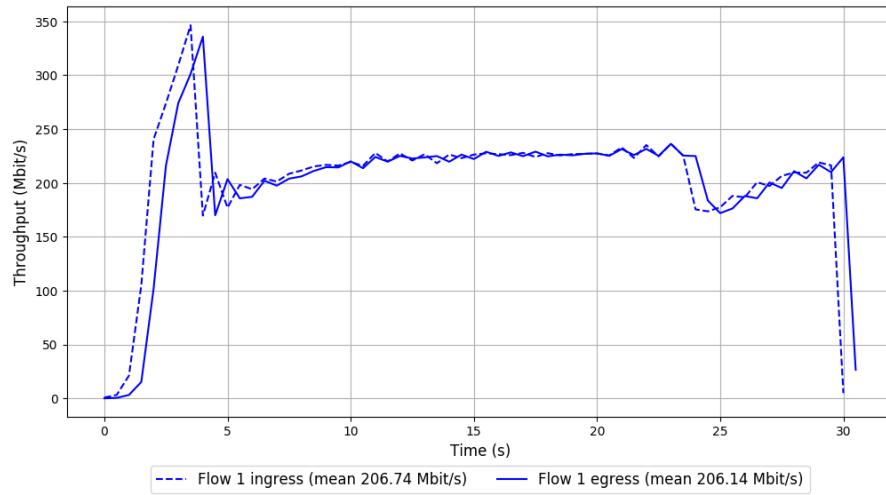


Run 4: Statistics of TCP Cubic

```
Start at: 2019-01-18 20:30:28
End at: 2019-01-18 20:30:58
Local clock offset: -0.406 ms
Remote clock offset: -44.429 ms

# Below is generated by plot.py at 2019-01-18 22:02:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 206.14 Mbit/s
95th percentile per-packet one-way delay: 63.983 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 206.14 Mbit/s
95th percentile per-packet one-way delay: 63.983 ms
Loss rate: 0.29%
```

Run 4: Report of TCP Cubic — Data Link

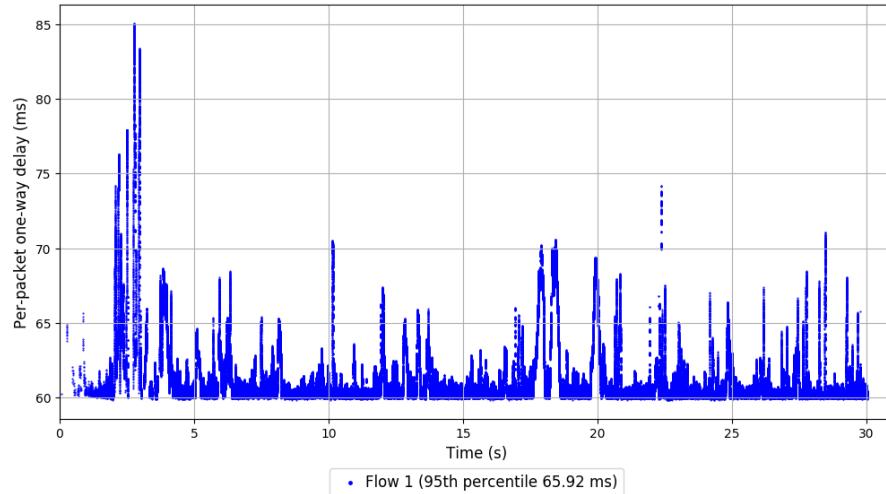
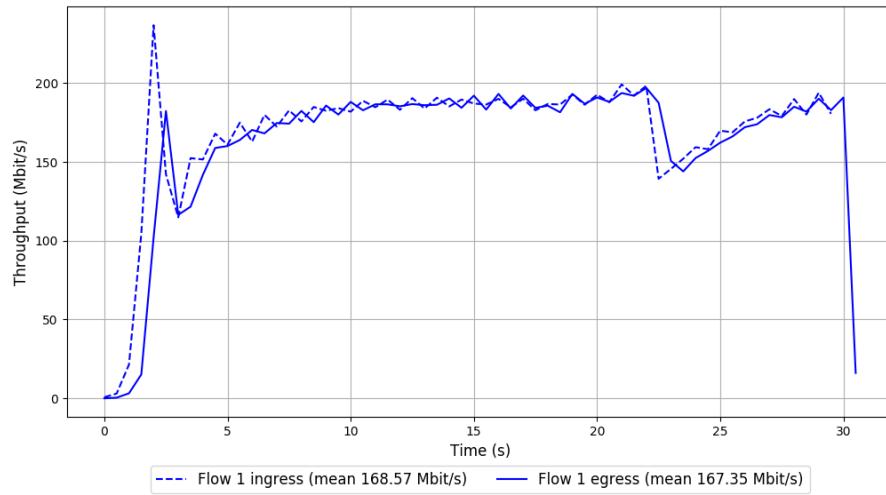


Run 5: Statistics of TCP Cubic

```
Start at: 2019-01-18 21:03:08
End at: 2019-01-18 21:03:38
Local clock offset: 1.266 ms
Remote clock offset: -40.301 ms

# Below is generated by plot.py at 2019-01-18 22:02:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 167.35 Mbit/s
95th percentile per-packet one-way delay: 65.919 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 167.35 Mbit/s
95th percentile per-packet one-way delay: 65.919 ms
Loss rate: 0.72%
```

Run 5: Report of TCP Cubic — Data Link

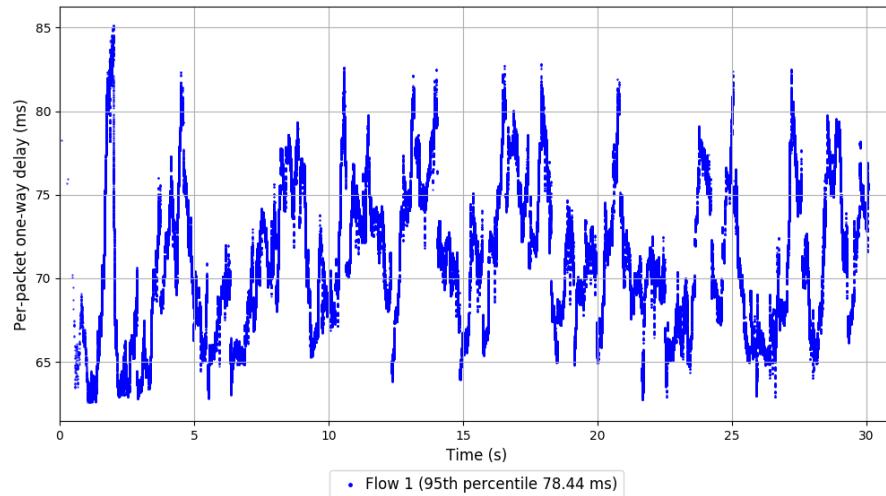
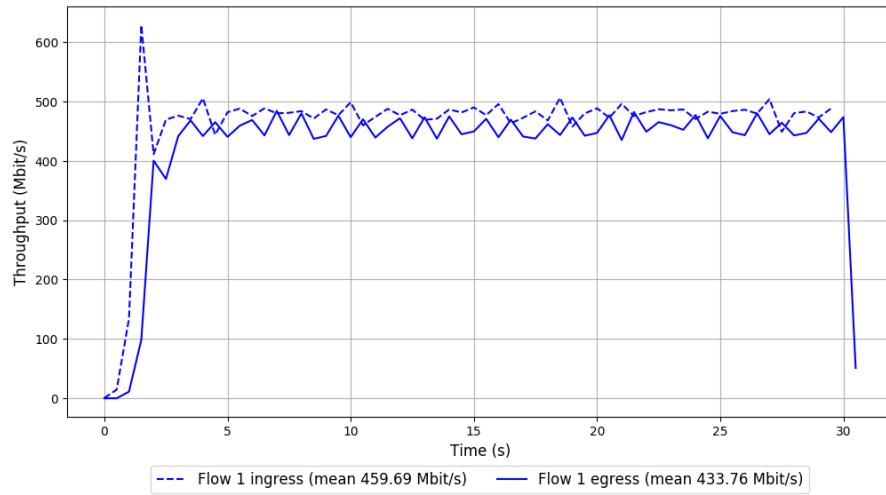


```
Run 1: Statistics of FillP
```

```
Start at: 2019-01-18 18:57:35
End at: 2019-01-18 18:58:05
Local clock offset: -0.416 ms
Remote clock offset: -38.54 ms

# Below is generated by plot.py at 2019-01-18 22:06:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 433.76 Mbit/s
95th percentile per-packet one-way delay: 78.437 ms
Loss rate: 5.68%
-- Flow 1:
Average throughput: 433.76 Mbit/s
95th percentile per-packet one-way delay: 78.437 ms
Loss rate: 5.68%
```

Run 1: Report of FillP — Data Link

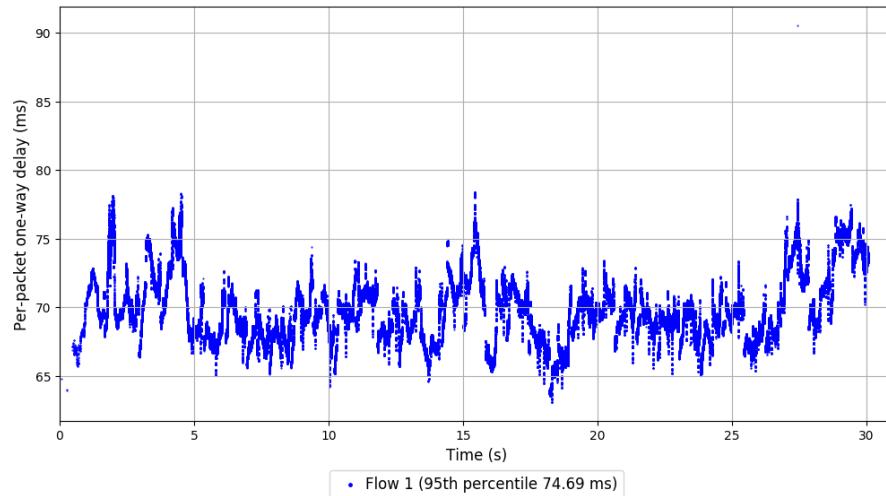
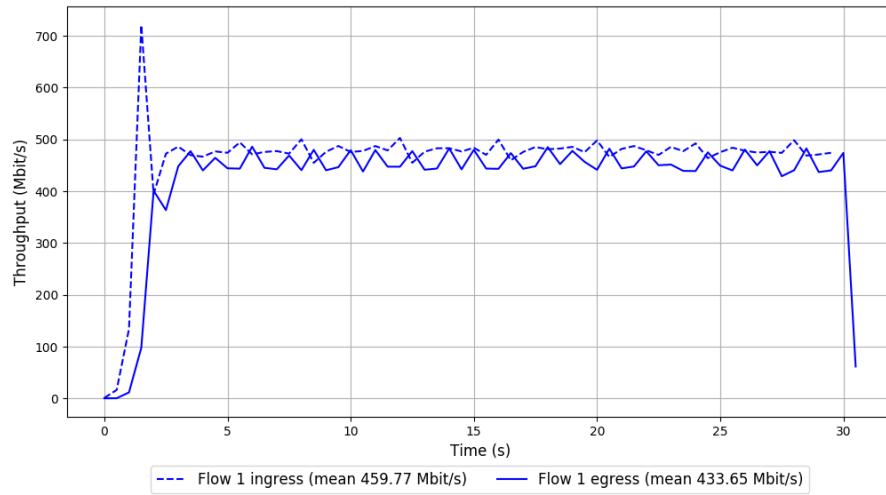


```
Run 2: Statistics of FillP
```

```
Start at: 2019-01-18 19:38:58
End at: 2019-01-18 19:39:28
Local clock offset: 2.251 ms
Remote clock offset: -40.018 ms

# Below is generated by plot.py at 2019-01-18 22:07:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 433.65 Mbit/s
95th percentile per-packet one-way delay: 74.695 ms
Loss rate: 5.65%
-- Flow 1:
Average throughput: 433.65 Mbit/s
95th percentile per-packet one-way delay: 74.695 ms
Loss rate: 5.65%
```

Run 2: Report of FillP — Data Link

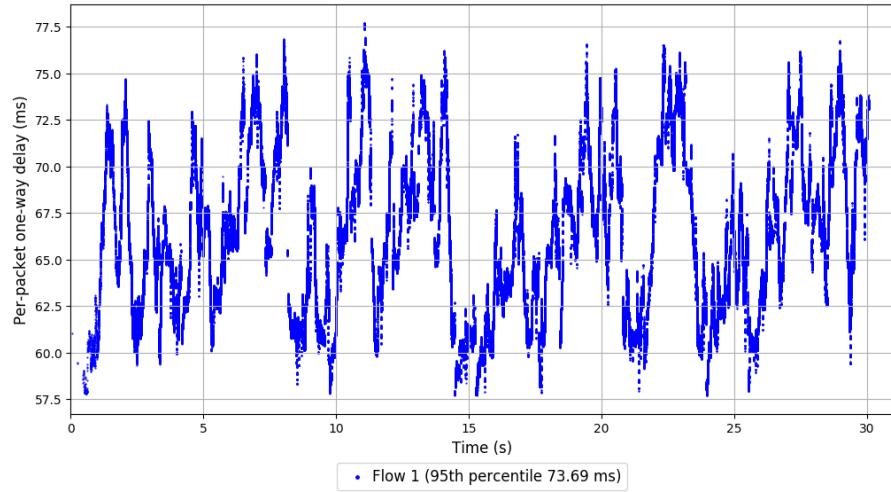
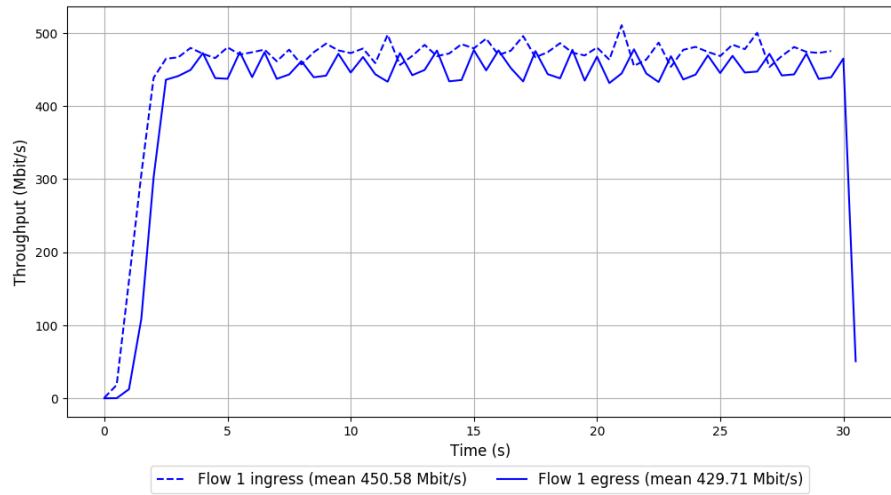


```
Run 3: Statistics of FillP
```

```
Start at: 2019-01-18 20:05:37
End at: 2019-01-18 20:06:07
Local clock offset: -2.218 ms
Remote clock offset: -41.095 ms

# Below is generated by plot.py at 2019-01-18 22:07:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 429.71 Mbit/s
95th percentile per-packet one-way delay: 73.687 ms
Loss rate: 4.63%
-- Flow 1:
Average throughput: 429.71 Mbit/s
95th percentile per-packet one-way delay: 73.687 ms
Loss rate: 4.63%
```

Run 3: Report of FillP — Data Link

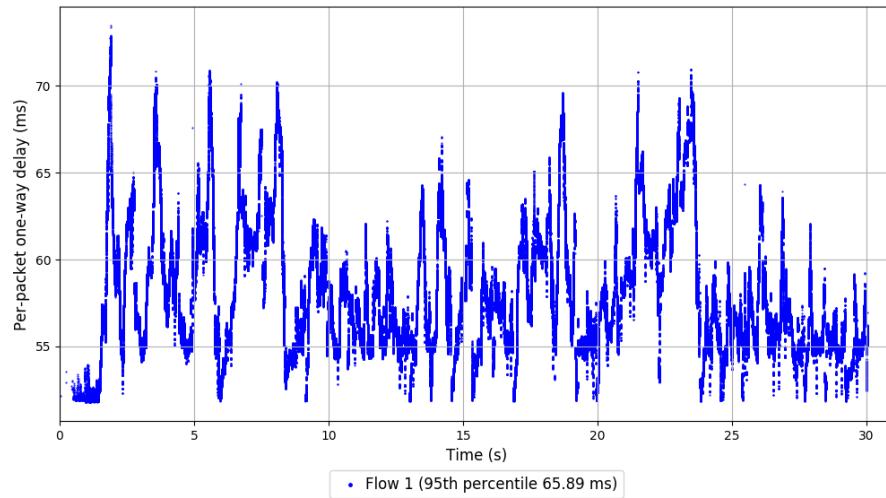
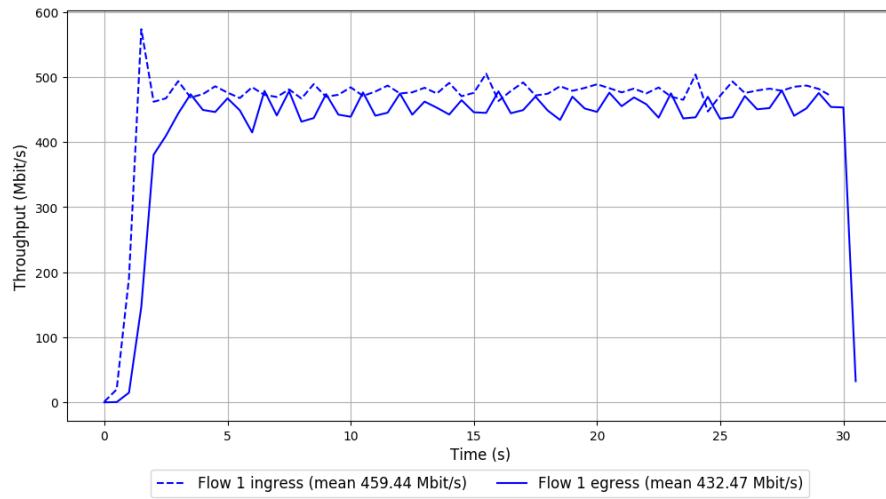


```
Run 4: Statistics of FillP
```

```
Start at: 2019-01-18 20:37:57
End at: 2019-01-18 20:38:27
Local clock offset: 2.15 ms
Remote clock offset: -45.253 ms

# Below is generated by plot.py at 2019-01-18 22:07:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 432.47 Mbit/s
95th percentile per-packet one-way delay: 65.888 ms
Loss rate: 5.86%
-- Flow 1:
Average throughput: 432.47 Mbit/s
95th percentile per-packet one-way delay: 65.888 ms
Loss rate: 5.86%
```

Run 4: Report of FillP — Data Link

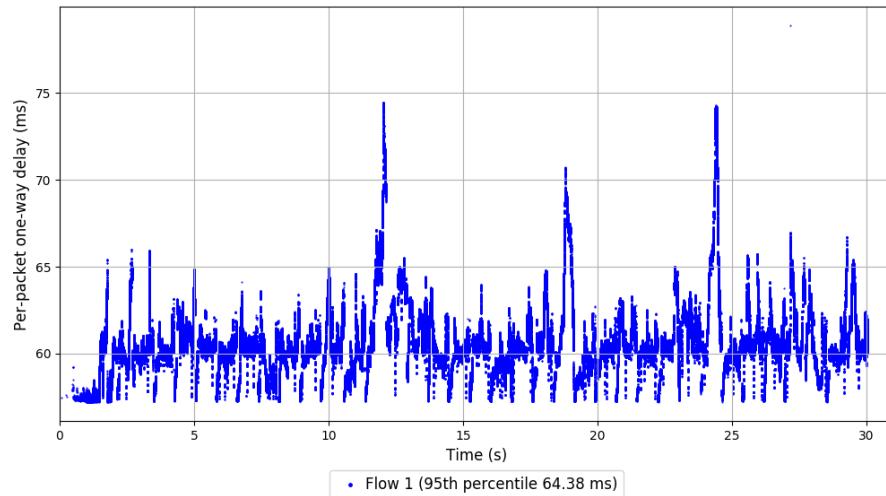
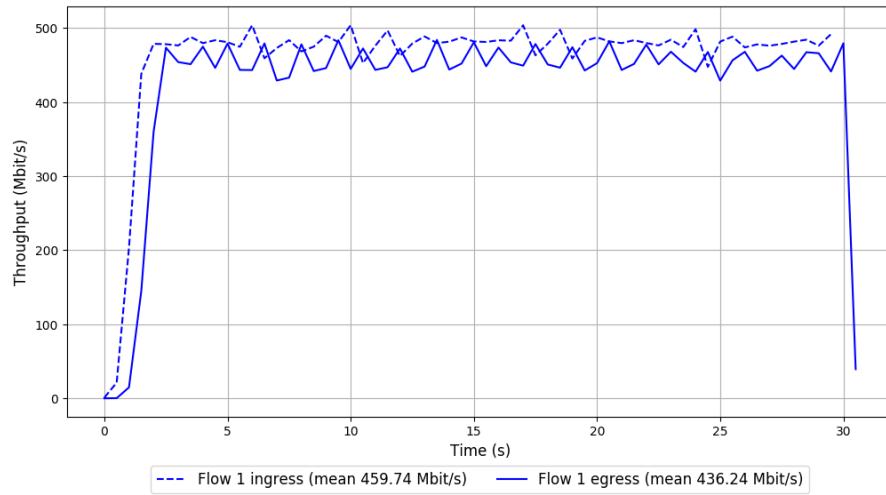


Run 5: Statistics of FillP

```
Start at: 2019-01-18 21:25:51
End at: 2019-01-18 21:26:21
Local clock offset: -0.931 ms
Remote clock offset: -42.644 ms

# Below is generated by plot.py at 2019-01-18 22:07:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 436.24 Mbit/s
95th percentile per-packet one-way delay: 64.375 ms
Loss rate: 5.10%
-- Flow 1:
Average throughput: 436.24 Mbit/s
95th percentile per-packet one-way delay: 64.375 ms
Loss rate: 5.10%
```

Run 5: Report of FillP — Data Link

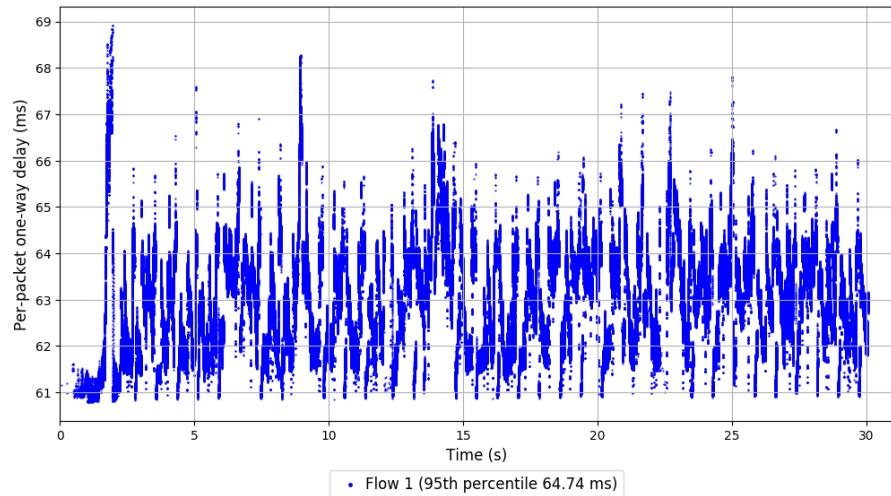
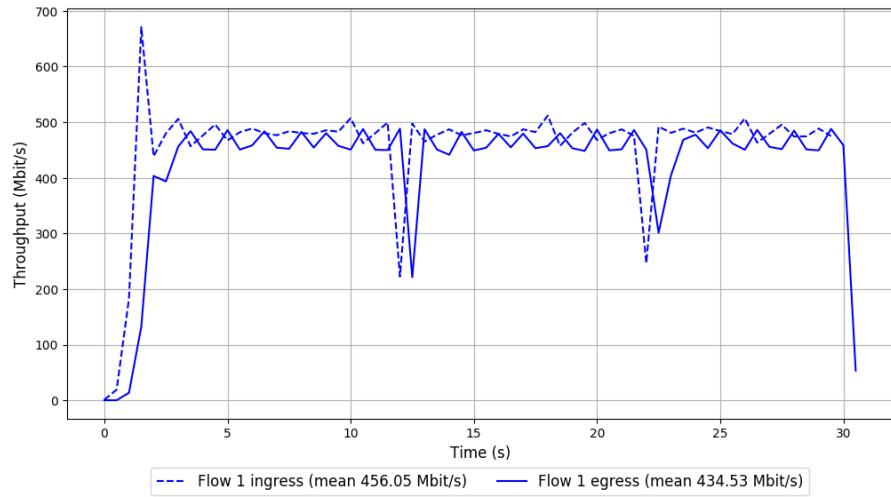


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-01-18 19:04:03
End at: 2019-01-18 19:04:33
Local clock offset: -0.63 ms
Remote clock offset: -39.239 ms

# Below is generated by plot.py at 2019-01-18 22:07:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 434.53 Mbit/s
95th percentile per-packet one-way delay: 64.741 ms
Loss rate: 4.71%
-- Flow 1:
Average throughput: 434.53 Mbit/s
95th percentile per-packet one-way delay: 64.741 ms
Loss rate: 4.71%
```

Run 1: Report of FillP-Sheep — Data Link

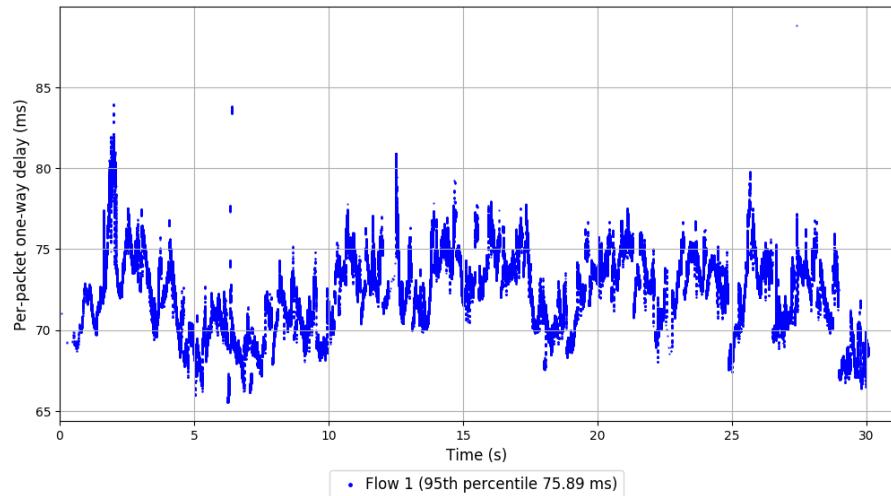
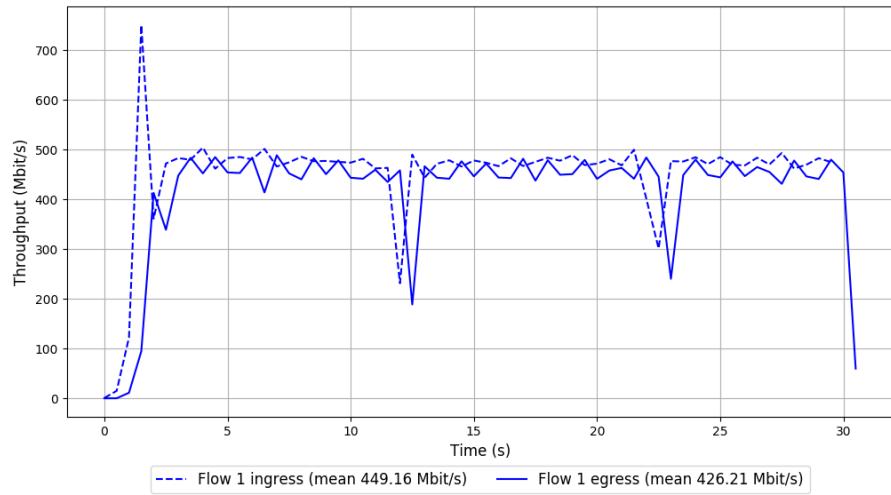


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-01-18 19:45:27
End at: 2019-01-18 19:45:57
Local clock offset: 1.891 ms
Remote clock offset: -39.333 ms

# Below is generated by plot.py at 2019-01-18 22:08:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 426.21 Mbit/s
95th percentile per-packet one-way delay: 75.889 ms
Loss rate: 5.12%
-- Flow 1:
Average throughput: 426.21 Mbit/s
95th percentile per-packet one-way delay: 75.889 ms
Loss rate: 5.12%
```

Run 2: Report of FillP-Sheep — Data Link

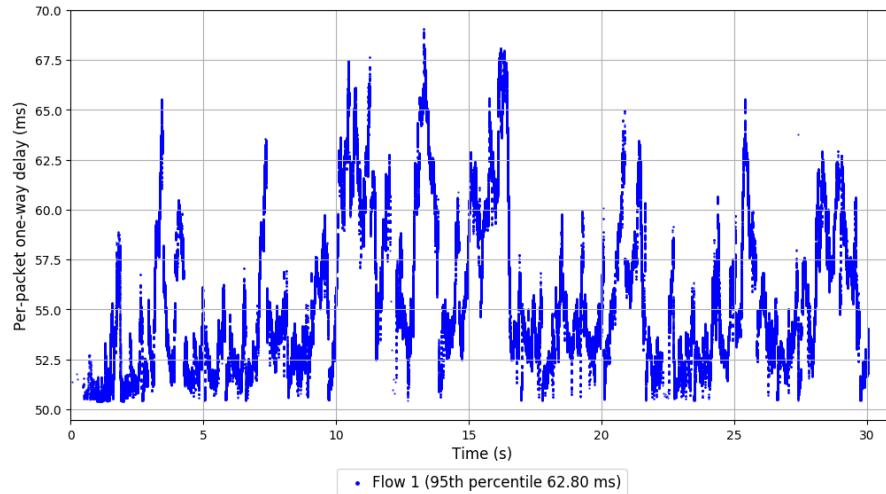
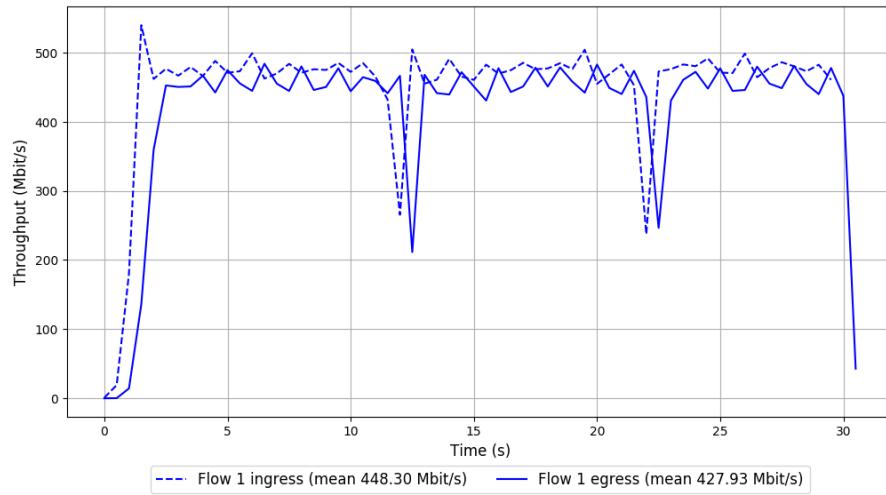


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-01-18 20:12:01
End at: 2019-01-18 20:12:31
Local clock offset: -2.013 ms
Remote clock offset: -47.557 ms

# Below is generated by plot.py at 2019-01-18 22:08:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 427.93 Mbit/s
95th percentile per-packet one-way delay: 62.797 ms
Loss rate: 4.54%
-- Flow 1:
Average throughput: 427.93 Mbit/s
95th percentile per-packet one-way delay: 62.797 ms
Loss rate: 4.54%
```

Run 3: Report of FillP-Sheep — Data Link

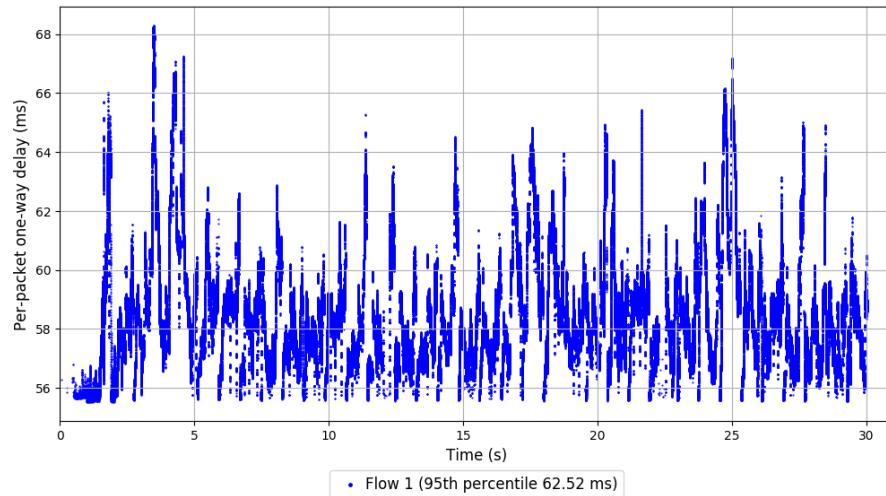
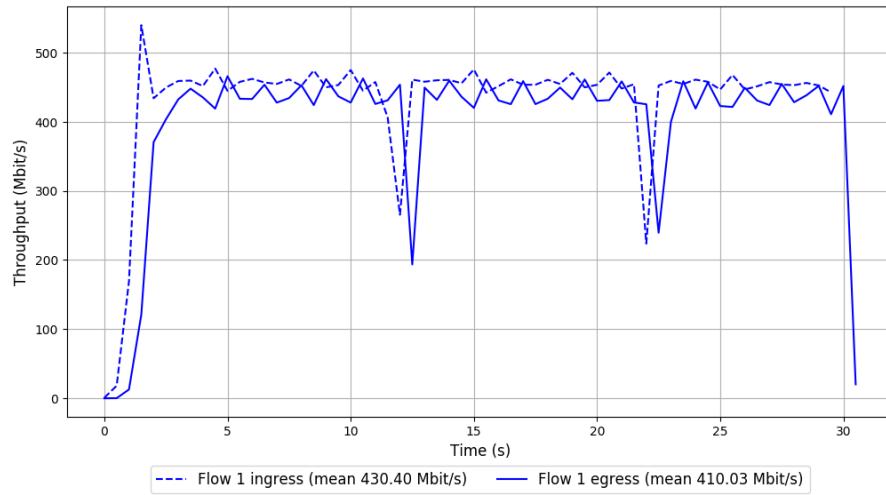


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-01-18 20:50:03
End at: 2019-01-18 20:50:33
Local clock offset: 0.655 ms
Remote clock offset: -45.574 ms

# Below is generated by plot.py at 2019-01-18 22:12:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 410.03 Mbit/s
95th percentile per-packet one-way delay: 62.525 ms
Loss rate: 4.72%
-- Flow 1:
Average throughput: 410.03 Mbit/s
95th percentile per-packet one-way delay: 62.525 ms
Loss rate: 4.72%
```

Run 4: Report of FillP-Sheep — Data Link

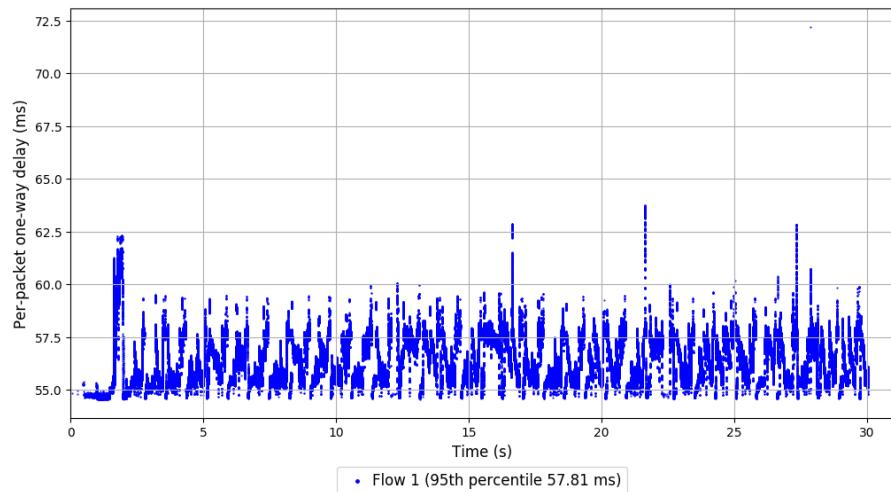
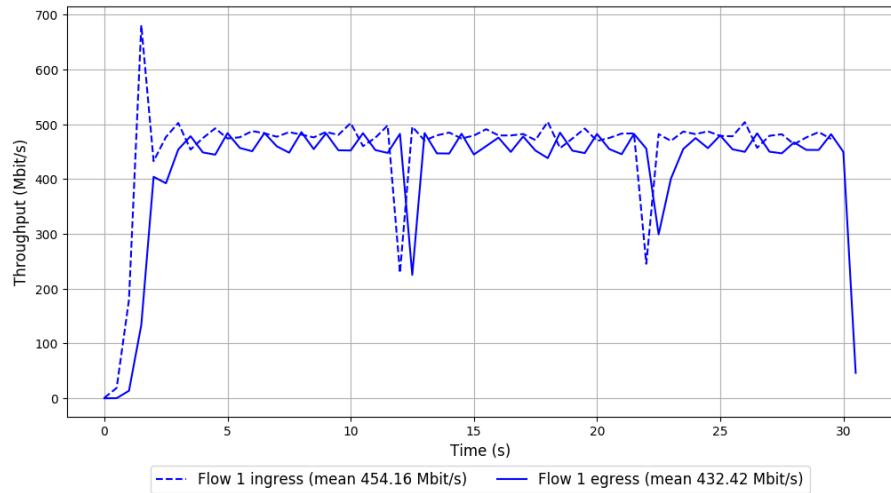


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-01-18 21:32:26
End at: 2019-01-18 21:32:56
Local clock offset: -0.893 ms
Remote clock offset: -45.053 ms

# Below is generated by plot.py at 2019-01-18 22:12:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 432.42 Mbit/s
95th percentile per-packet one-way delay: 57.815 ms
Loss rate: 4.79%
-- Flow 1:
Average throughput: 432.42 Mbit/s
95th percentile per-packet one-way delay: 57.815 ms
Loss rate: 4.79%
```

Run 5: Report of FillP-Sheep — Data Link

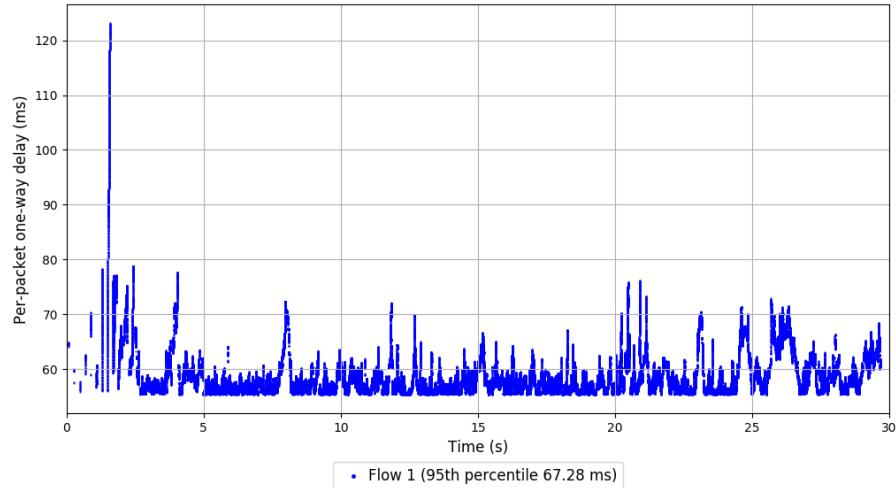
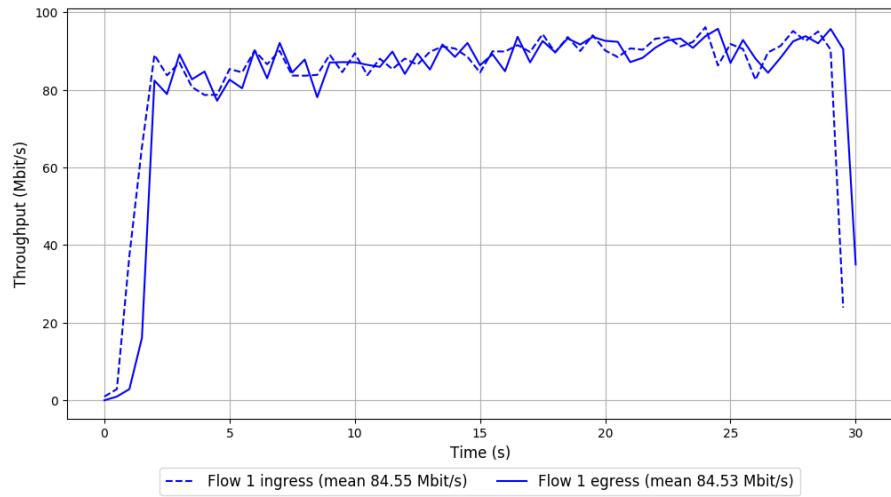


Run 1: Statistics of Indigo

```
Start at: 2019-01-18 19:02:47
End at: 2019-01-18 19:03:17
Local clock offset: 1.033 ms
Remote clock offset: -45.334 ms

# Below is generated by plot.py at 2019-01-18 22:12:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 67.281 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 84.53 Mbit/s
95th percentile per-packet one-way delay: 67.281 ms
Loss rate: 0.03%
```

Run 1: Report of Indigo — Data Link

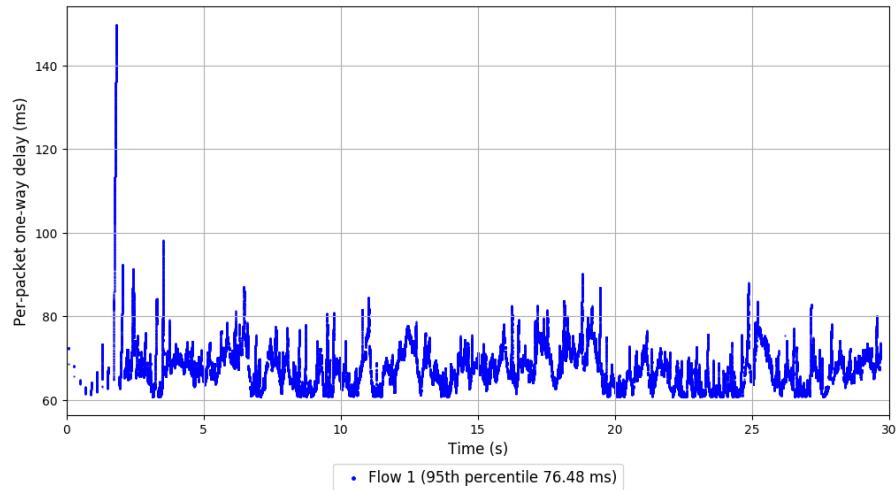
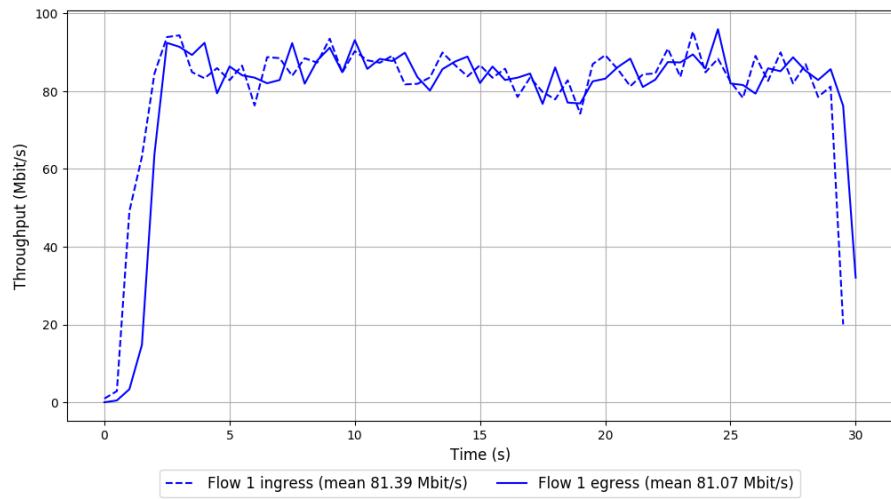


Run 2: Statistics of Indigo

```
Start at: 2019-01-18 19:44:11
End at: 2019-01-18 19:44:41
Local clock offset: 2.244 ms
Remote clock offset: -40.251 ms

# Below is generated by plot.py at 2019-01-18 22:12:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.07 Mbit/s
95th percentile per-packet one-way delay: 76.481 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 81.07 Mbit/s
95th percentile per-packet one-way delay: 76.481 ms
Loss rate: 0.39%
```

Run 2: Report of Indigo — Data Link

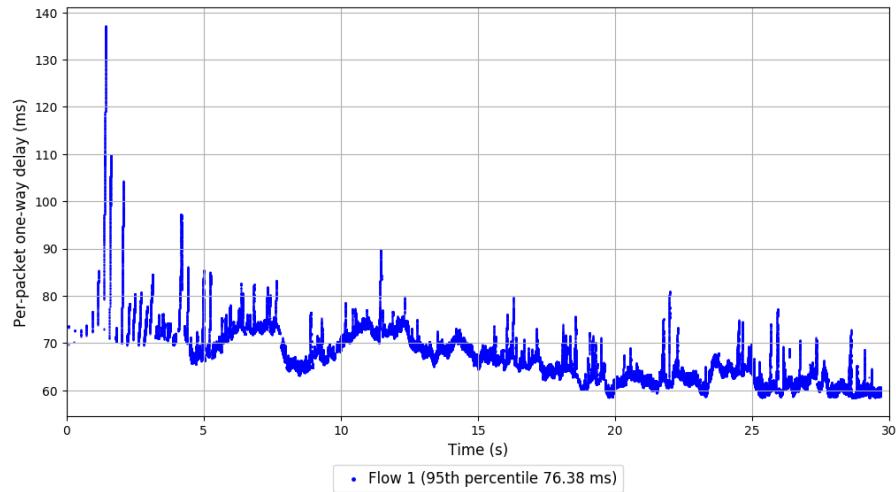
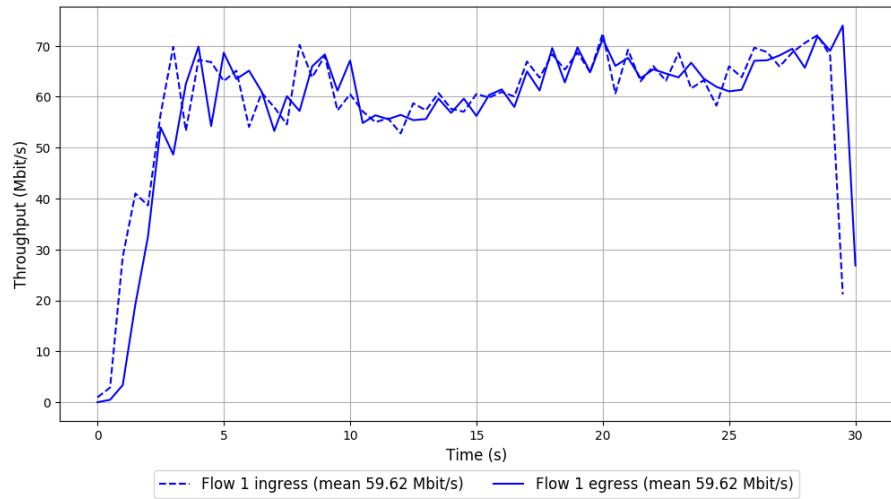


Run 3: Statistics of Indigo

```
Start at: 2019-01-18 20:10:47
End at: 2019-01-18 20:11:17
Local clock offset: -1.069 ms
Remote clock offset: -39.108 ms

# Below is generated by plot.py at 2019-01-18 22:12:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.62 Mbit/s
95th percentile per-packet one-way delay: 76.380 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 59.62 Mbit/s
95th percentile per-packet one-way delay: 76.380 ms
Loss rate: 0.04%
```

Run 3: Report of Indigo — Data Link

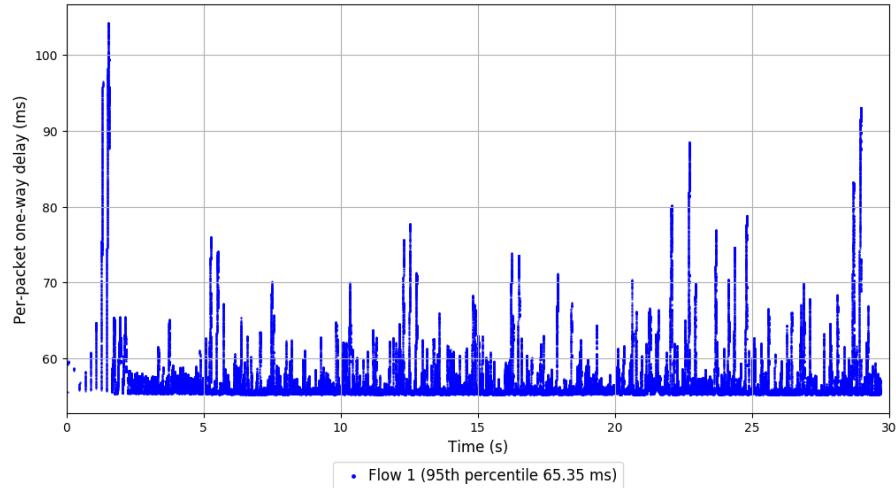
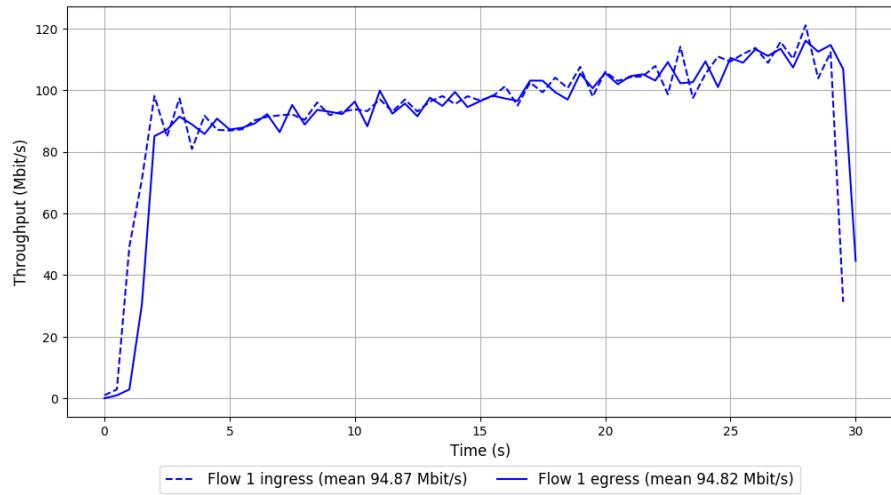


Run 4: Statistics of Indigo

```
Start at: 2019-01-18 20:48:47
End at: 2019-01-18 20:49:17
Local clock offset: 0.851 ms
Remote clock offset: -43.233 ms

# Below is generated by plot.py at 2019-01-18 22:12:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.82 Mbit/s
95th percentile per-packet one-way delay: 65.346 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 94.82 Mbit/s
95th percentile per-packet one-way delay: 65.346 ms
Loss rate: 0.05%
```

Run 4: Report of Indigo — Data Link

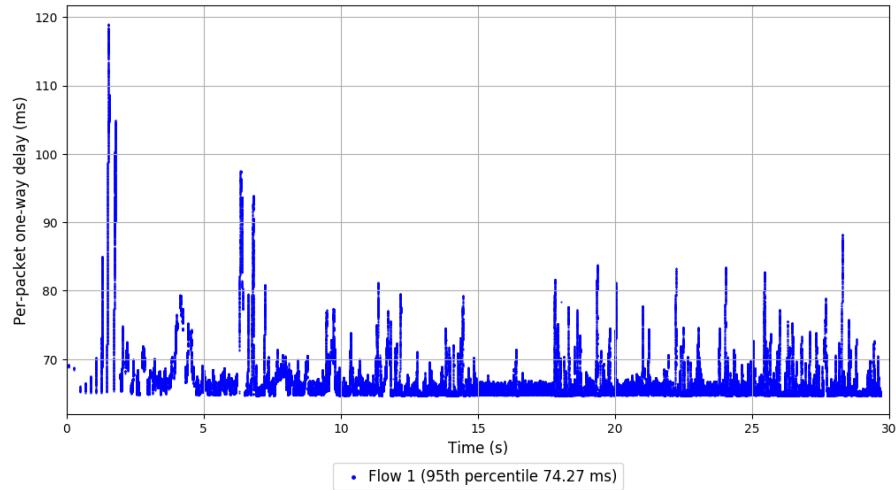
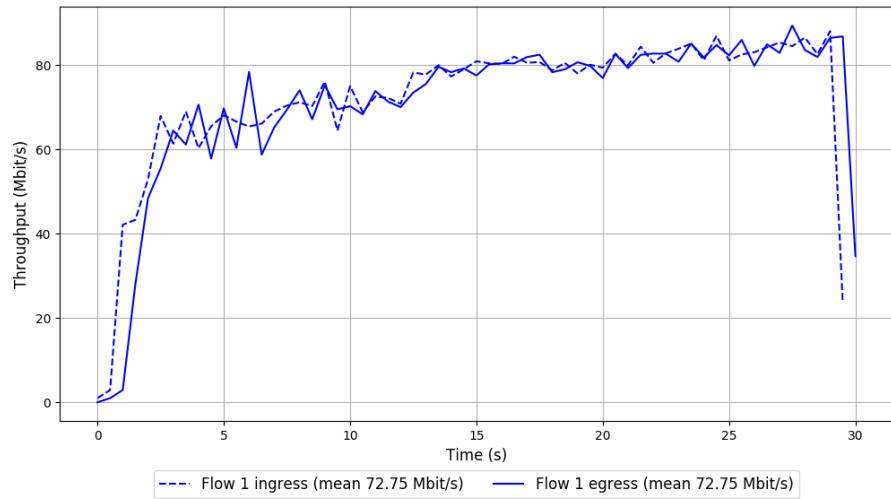


Run 5: Statistics of Indigo

```
Start at: 2019-01-18 21:31:11
End at: 2019-01-18 21:31:41
Local clock offset: 0.342 ms
Remote clock offset: -33.792 ms

# Below is generated by plot.py at 2019-01-18 22:12:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.75 Mbit/s
95th percentile per-packet one-way delay: 74.270 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.75 Mbit/s
95th percentile per-packet one-way delay: 74.270 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo — Data Link

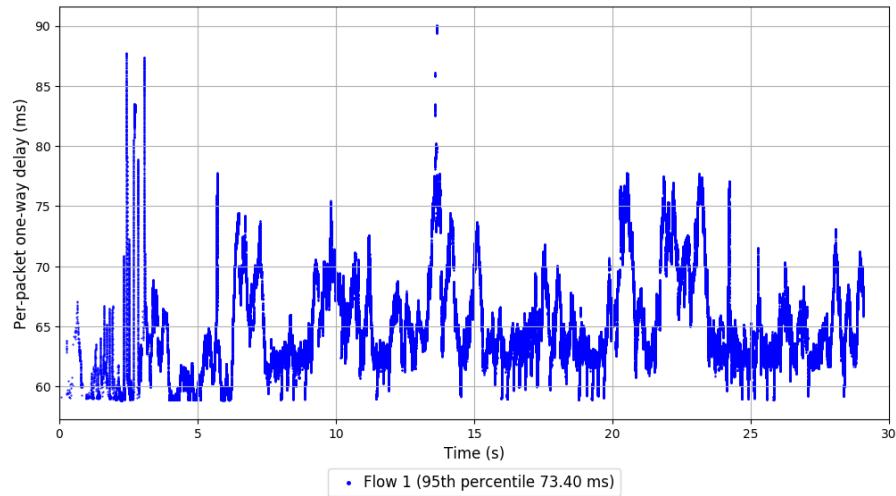
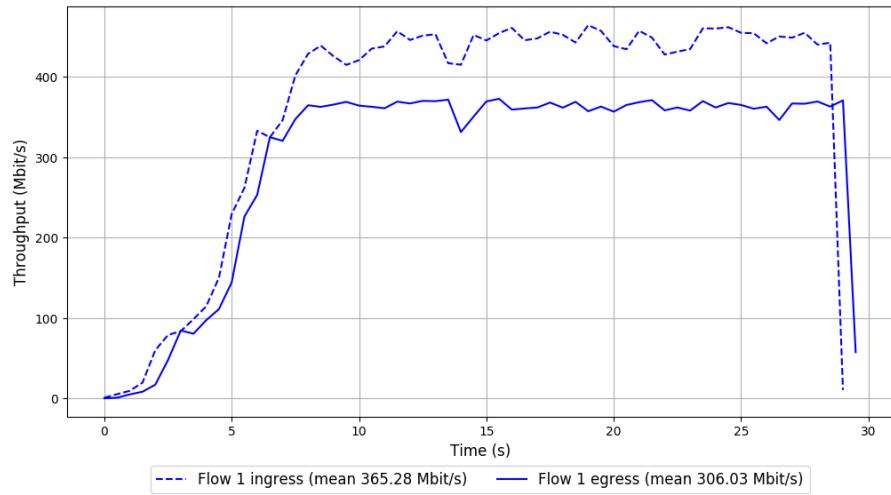


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-01-18 19:09:21
End at: 2019-01-18 19:09:51
Local clock offset: 2.822 ms
Remote clock offset: -38.496 ms

# Below is generated by plot.py at 2019-01-18 22:12:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 306.03 Mbit/s
95th percentile per-packet one-way delay: 73.402 ms
Loss rate: 16.20%
-- Flow 1:
Average throughput: 306.03 Mbit/s
95th percentile per-packet one-way delay: 73.402 ms
Loss rate: 16.20%
```

Run 1: Report of Indigo-MusesC3 — Data Link

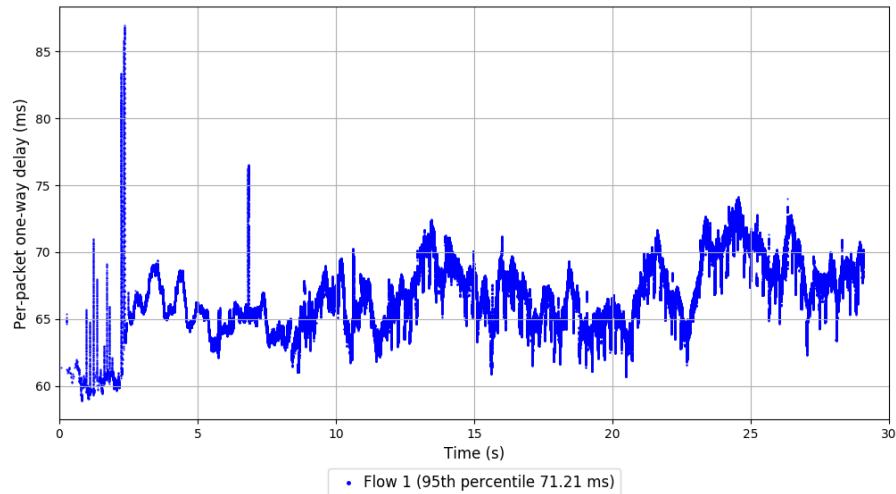
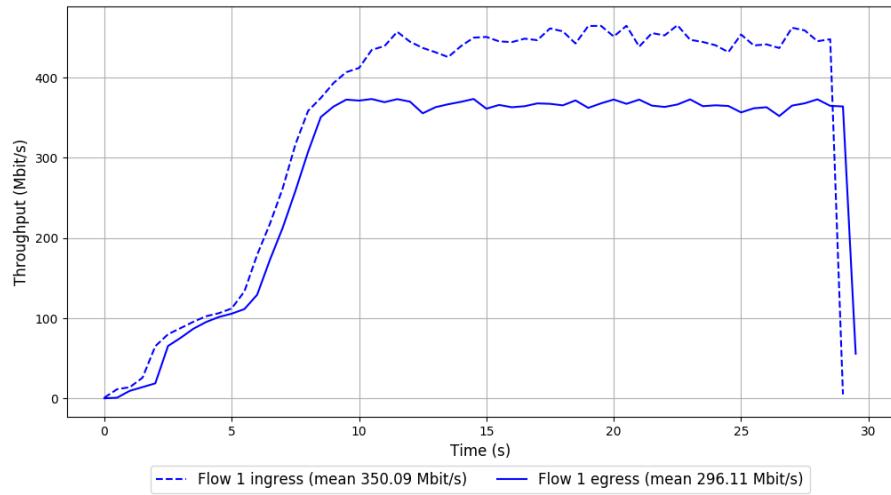


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-01-18 19:50:46
End at: 2019-01-18 19:51:16
Local clock offset: 1.494 ms
Remote clock offset: -41.386 ms

# Below is generated by plot.py at 2019-01-18 22:12:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 296.11 Mbit/s
95th percentile per-packet one-way delay: 71.214 ms
Loss rate: 15.40%
-- Flow 1:
Average throughput: 296.11 Mbit/s
95th percentile per-packet one-way delay: 71.214 ms
Loss rate: 15.40%
```

Run 2: Report of Indigo-MusesC3 — Data Link

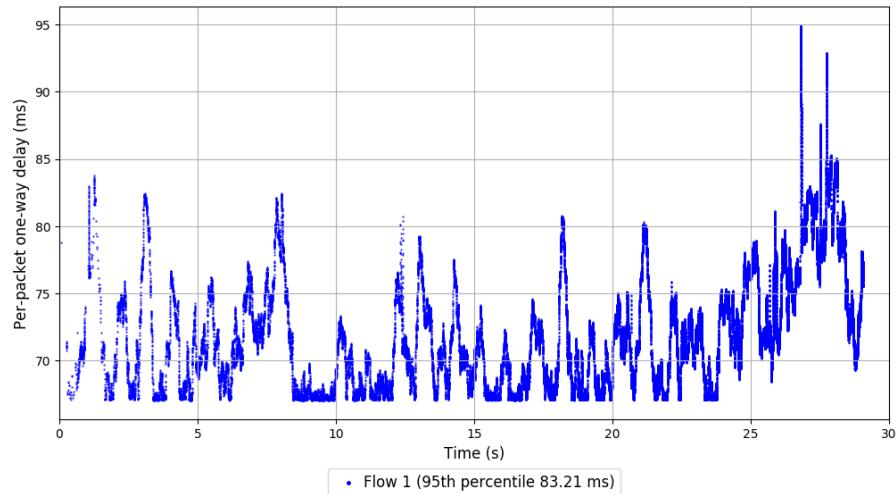
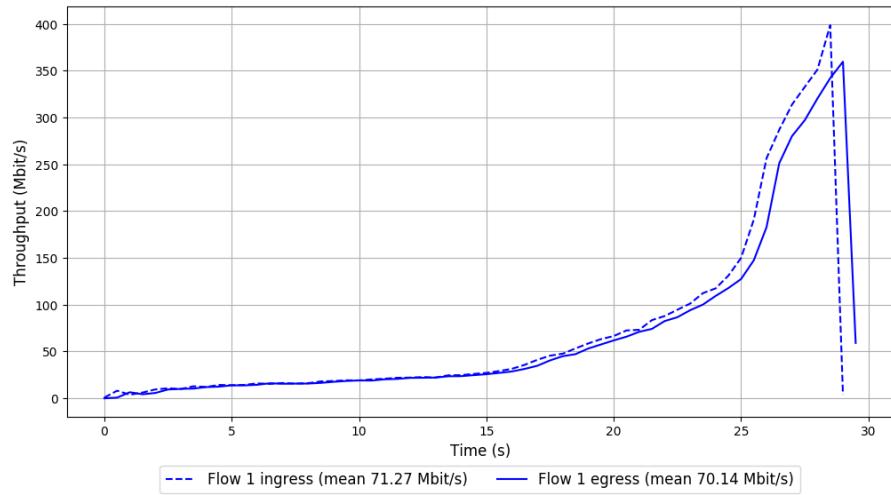


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-01-18 20:17:19
End at: 2019-01-18 20:17:49
Local clock offset: -2.665 ms
Remote clock offset: -32.167 ms

# Below is generated by plot.py at 2019-01-18 22:12:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.14 Mbit/s
95th percentile per-packet one-way delay: 83.209 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 70.14 Mbit/s
95th percentile per-packet one-way delay: 83.209 ms
Loss rate: 1.60%
```

Run 3: Report of Indigo-MusesC3 — Data Link

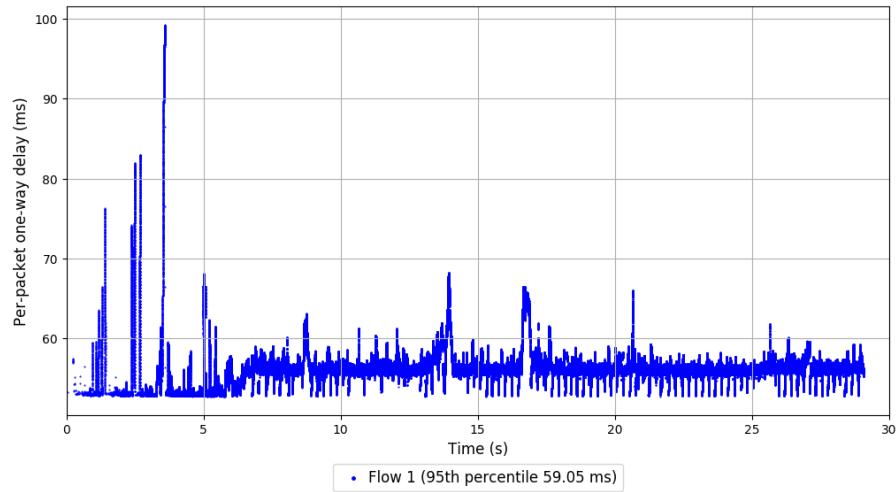
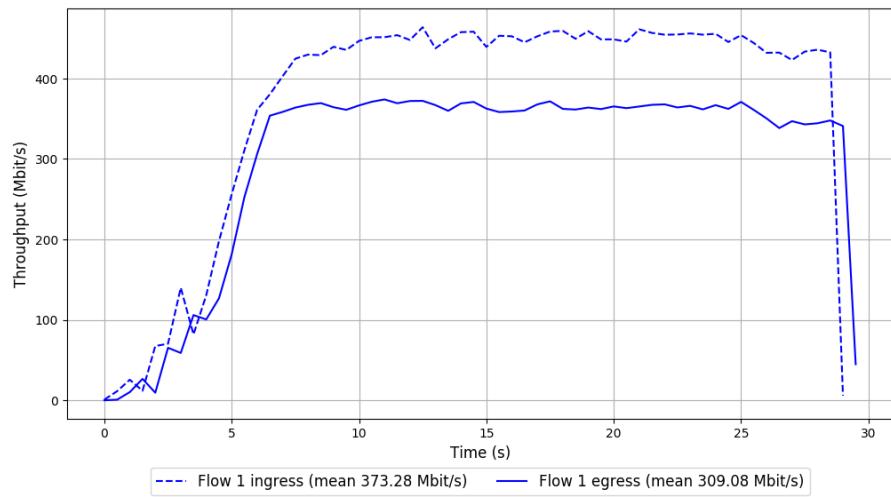


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-01-18 20:55:25
End at: 2019-01-18 20:55:55
Local clock offset: -1.04 ms
Remote clock offset: -47.454 ms

# Below is generated by plot.py at 2019-01-18 22:12:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 309.08 Mbit/s
95th percentile per-packet one-way delay: 59.052 ms
Loss rate: 17.19%
-- Flow 1:
Average throughput: 309.08 Mbit/s
95th percentile per-packet one-way delay: 59.052 ms
Loss rate: 17.19%
```

Run 4: Report of Indigo-MusesC3 — Data Link

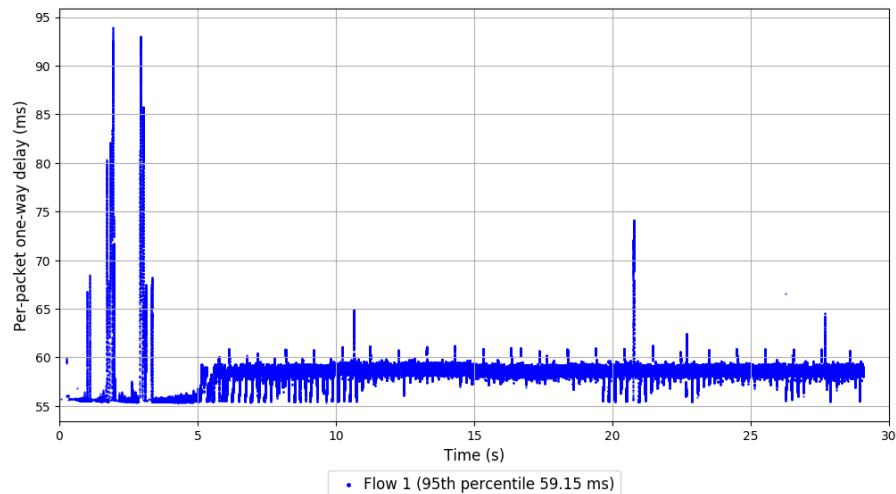
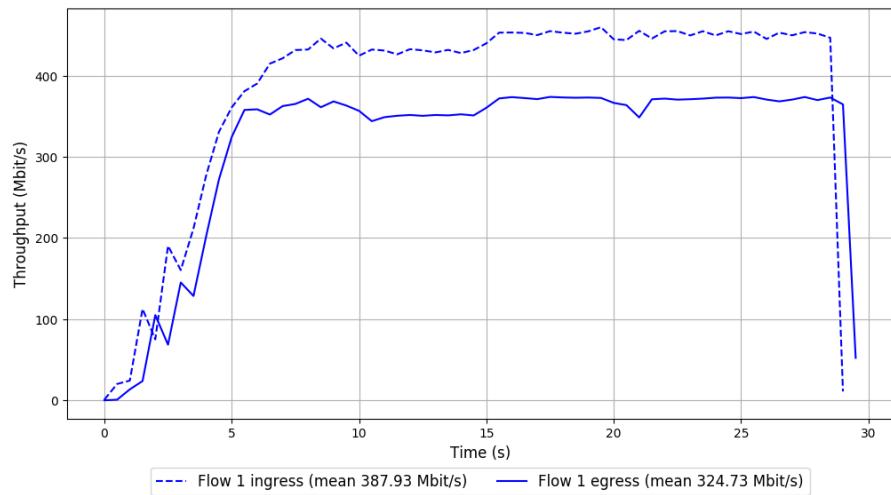


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-01-18 21:37:51
End at: 2019-01-18 21:38:21
Local clock offset: -0.044 ms
Remote clock offset: -43.436 ms

# Below is generated by plot.py at 2019-01-18 22:12:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 324.73 Mbit/s
95th percentile per-packet one-way delay: 59.150 ms
Loss rate: 16.28%
-- Flow 1:
Average throughput: 324.73 Mbit/s
95th percentile per-packet one-way delay: 59.150 ms
Loss rate: 16.28%
```

Run 5: Report of Indigo-MusesC3 — Data Link

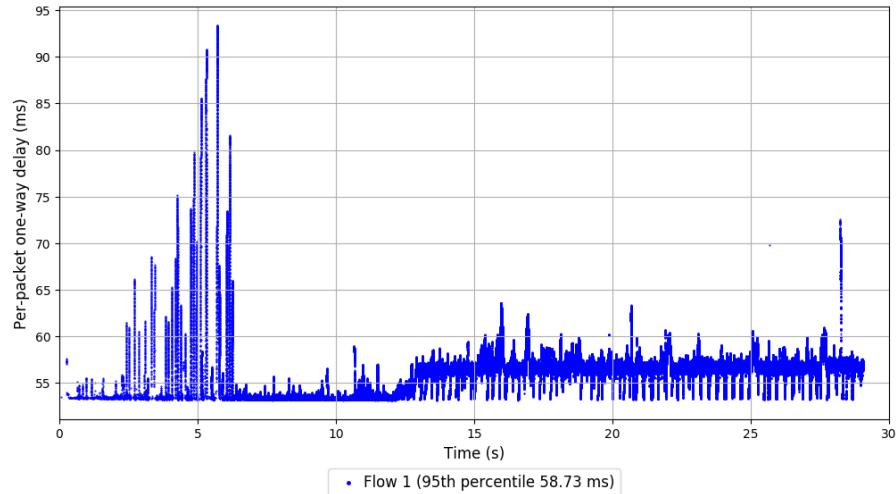
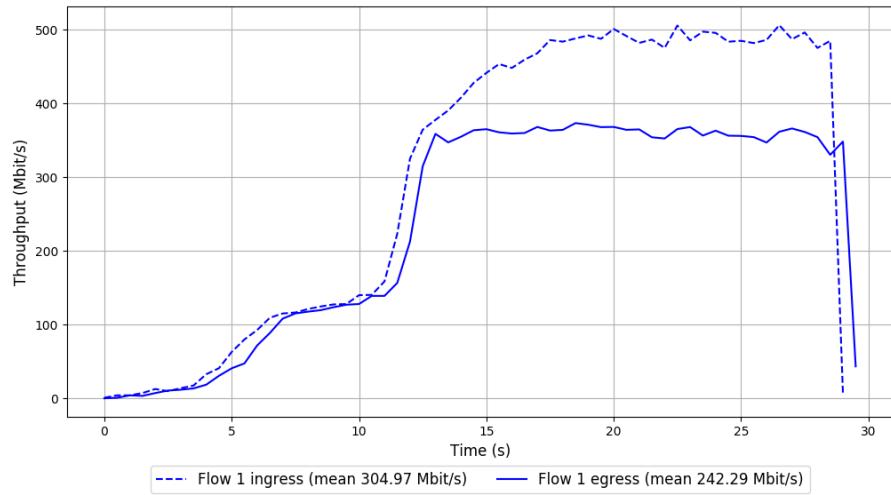


```
Run 1: Statistics of Indigo-MusesC5
```

```
Start at: 2019-01-18 19:11:55
End at: 2019-01-18 19:12:25
Local clock offset: 2.404 ms
Remote clock offset: -44.695 ms

# Below is generated by plot.py at 2019-01-18 22:12:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 242.29 Mbit/s
95th percentile per-packet one-way delay: 58.735 ms
Loss rate: 20.54%
-- Flow 1:
Average throughput: 242.29 Mbit/s
95th percentile per-packet one-way delay: 58.735 ms
Loss rate: 20.54%
```

Run 1: Report of Indigo-MusesC5 — Data Link

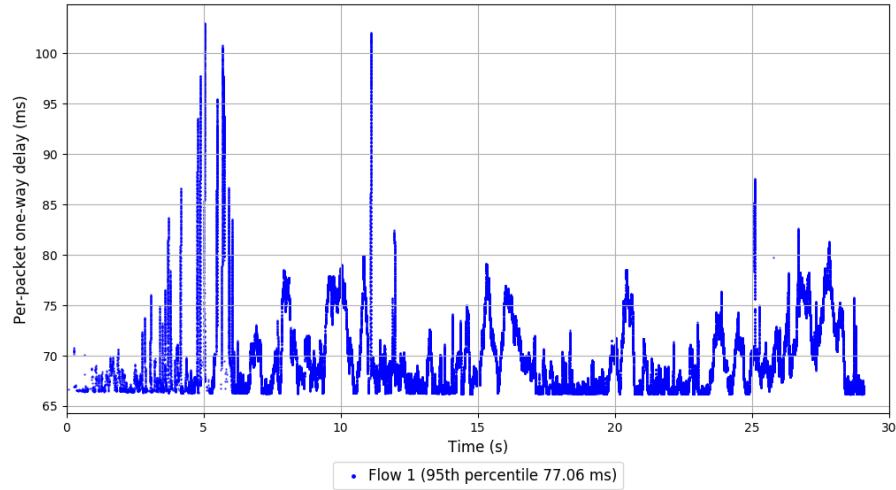
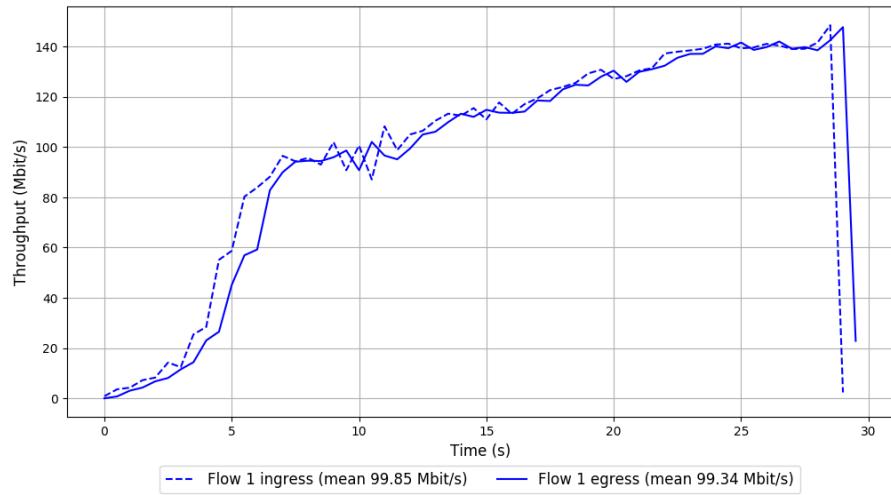


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-01-18 19:53:20
End at: 2019-01-18 19:53:50
Local clock offset: -1.692 ms
Remote clock offset: -33.938 ms

# Below is generated by plot.py at 2019-01-18 22:12:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 99.34 Mbit/s
95th percentile per-packet one-way delay: 77.056 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 99.34 Mbit/s
95th percentile per-packet one-way delay: 77.056 ms
Loss rate: 0.51%
```

Run 2: Report of Indigo-MusesC5 — Data Link

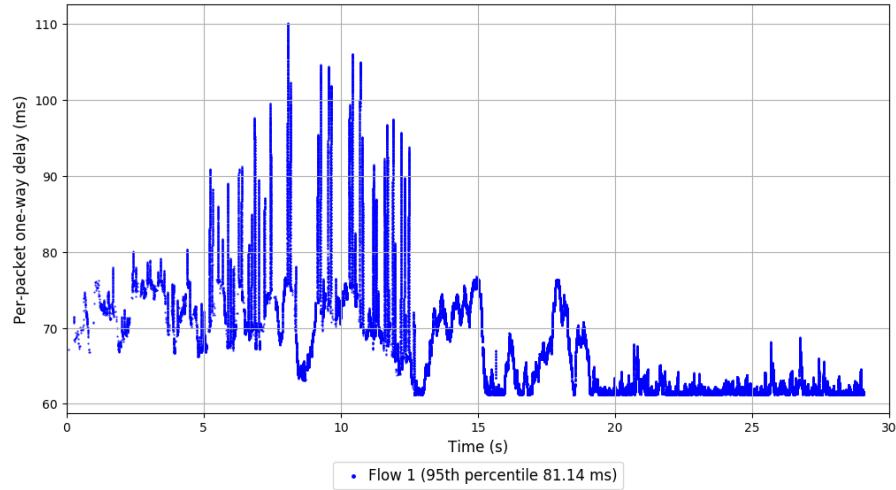
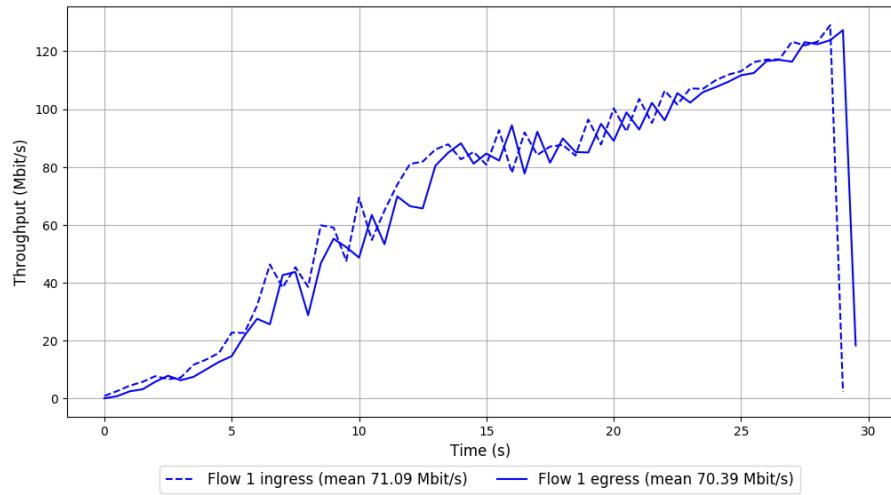


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-01-18 20:25:23
End at: 2019-01-18 20:25:53
Local clock offset: -1.62 ms
Remote clock offset: -38.807 ms

# Below is generated by plot.py at 2019-01-18 22:12:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.39 Mbit/s
95th percentile per-packet one-way delay: 81.141 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 70.39 Mbit/s
95th percentile per-packet one-way delay: 81.141 ms
Loss rate: 1.01%
```

Run 3: Report of Indigo-MusesC5 — Data Link

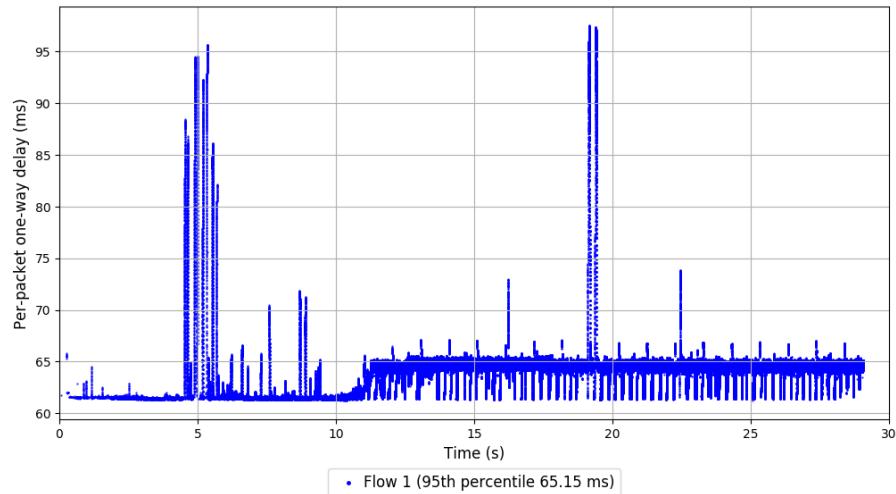
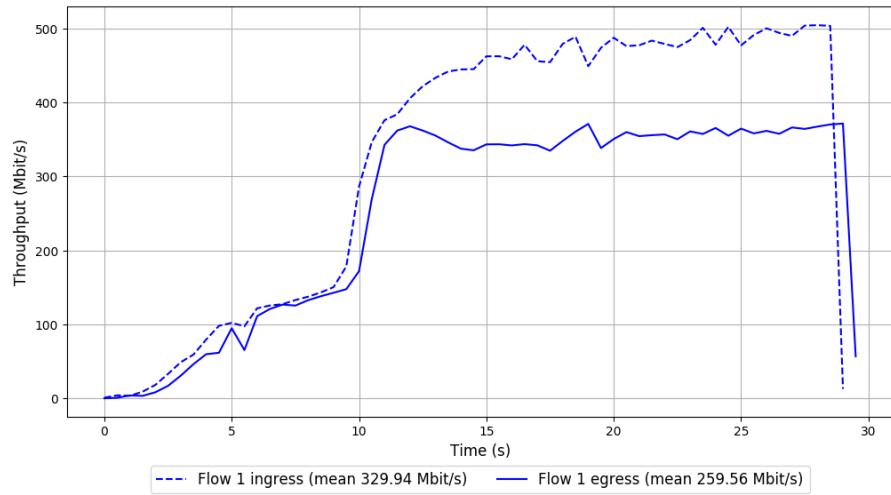


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-01-18 20:57:59
End at: 2019-01-18 20:58:29
Local clock offset: -0.101 ms
Remote clock offset: -40.296 ms

# Below is generated by plot.py at 2019-01-18 22:13:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 259.56 Mbit/s
95th percentile per-packet one-way delay: 65.149 ms
Loss rate: 21.32%
-- Flow 1:
Average throughput: 259.56 Mbit/s
95th percentile per-packet one-way delay: 65.149 ms
Loss rate: 21.32%
```

Run 4: Report of Indigo-MusesC5 — Data Link

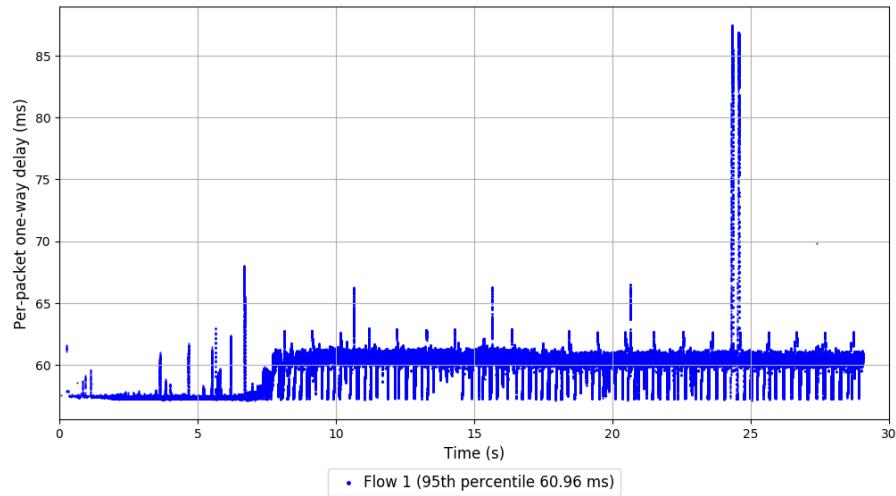
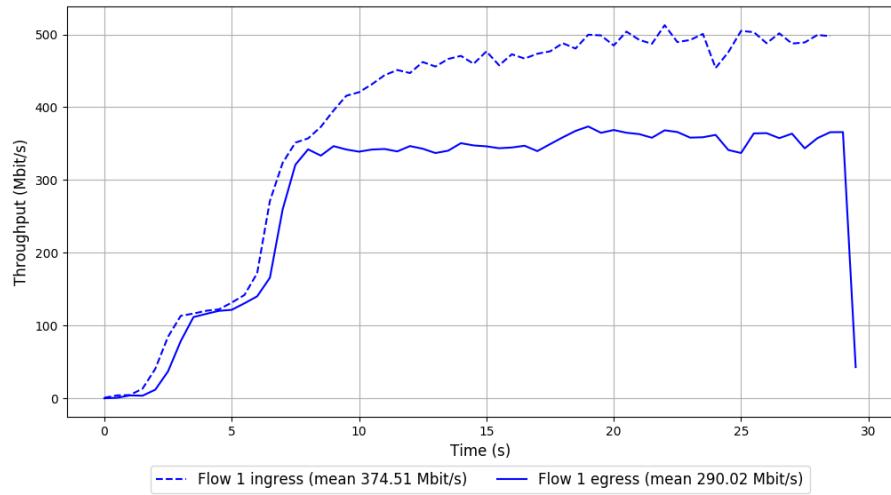


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-01-18 21:45:53
End at: 2019-01-18 21:46:23
Local clock offset: 0.226 ms
Remote clock offset: -41.34 ms

# Below is generated by plot.py at 2019-01-18 22:14:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 290.02 Mbit/s
95th percentile per-packet one-way delay: 60.962 ms
Loss rate: 22.55%
-- Flow 1:
Average throughput: 290.02 Mbit/s
95th percentile per-packet one-way delay: 60.962 ms
Loss rate: 22.55%
```

Run 5: Report of Indigo-MusesC5 — Data Link

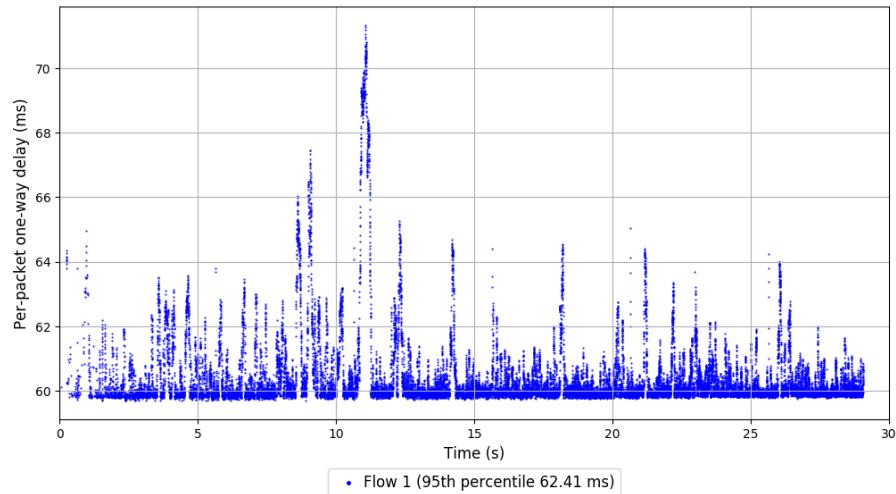
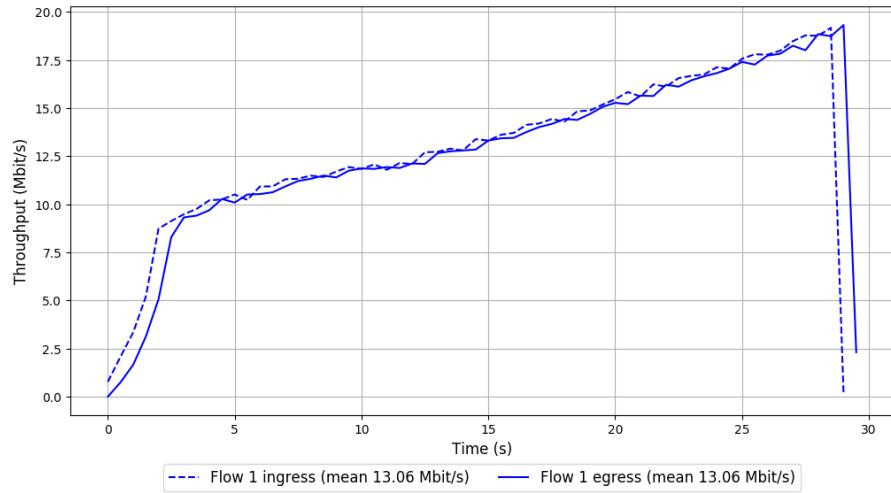


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-01-18 18:52:53
End at: 2019-01-18 18:53:23
Local clock offset: -1.729 ms
Remote clock offset: -39.129 ms

# Below is generated by plot.py at 2019-01-18 22:14:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 62.406 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 62.406 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo-MusesD — Data Link

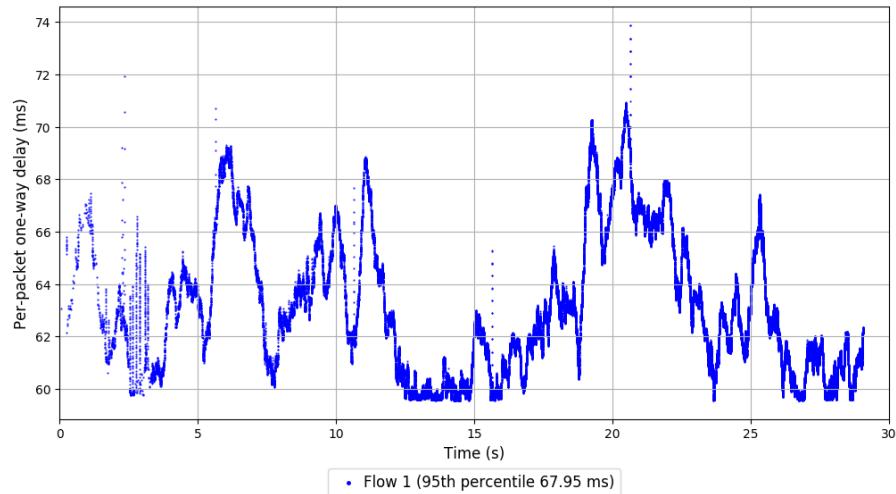
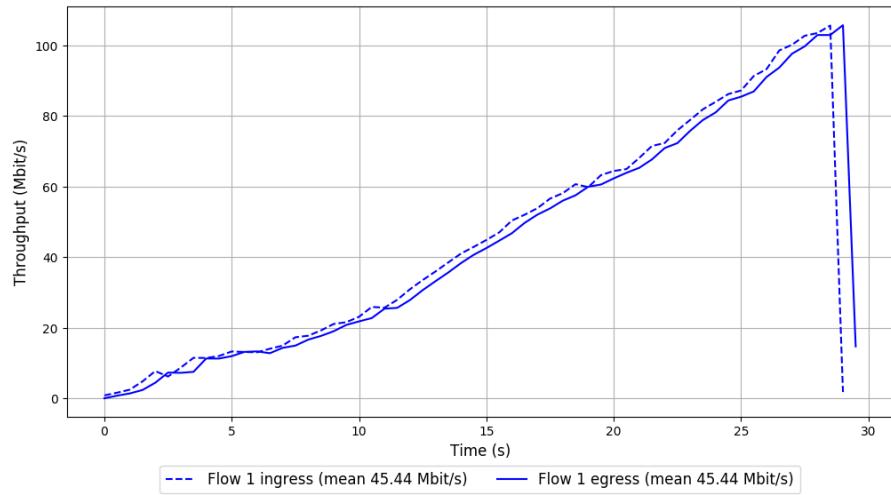


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-01-18 19:19:31
End at: 2019-01-18 19:20:01
Local clock offset: 2.366 ms
Remote clock offset: -38.148 ms

# Below is generated by plot.py at 2019-01-18 22:14:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.44 Mbit/s
95th percentile per-packet one-way delay: 67.949 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.44 Mbit/s
95th percentile per-packet one-way delay: 67.949 ms
Loss rate: 0.00%
```

Run 2: Report of Indigo-MusesD — Data Link

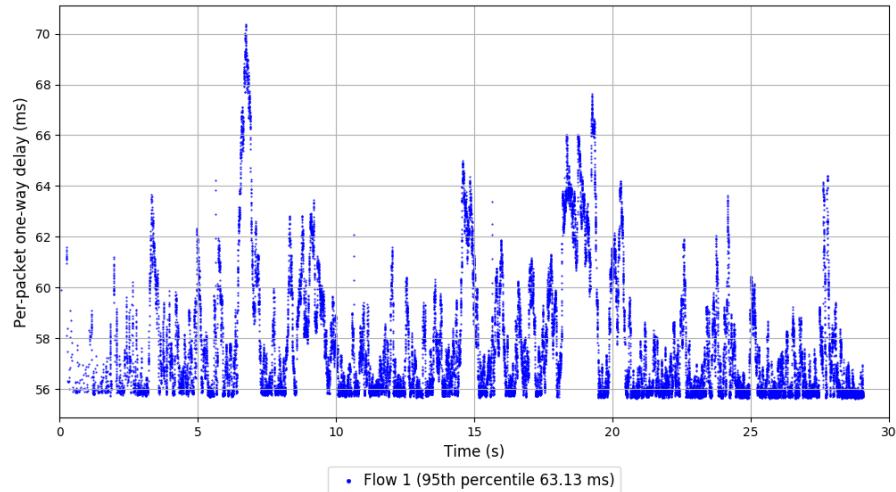
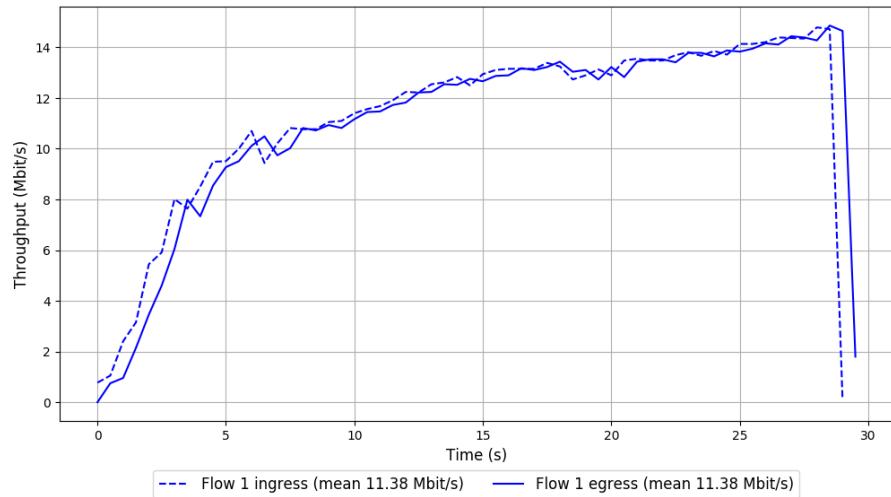


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-01-18 20:00:53
End at: 2019-01-18 20:01:23
Local clock offset: -0.868 ms
Remote clock offset: -44.928 ms

# Below is generated by plot.py at 2019-01-18 22:14:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.38 Mbit/s
95th percentile per-packet one-way delay: 63.127 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 11.38 Mbit/s
95th percentile per-packet one-way delay: 63.127 ms
Loss rate: 0.00%
```

Run 3: Report of Indigo-MusesD — Data Link

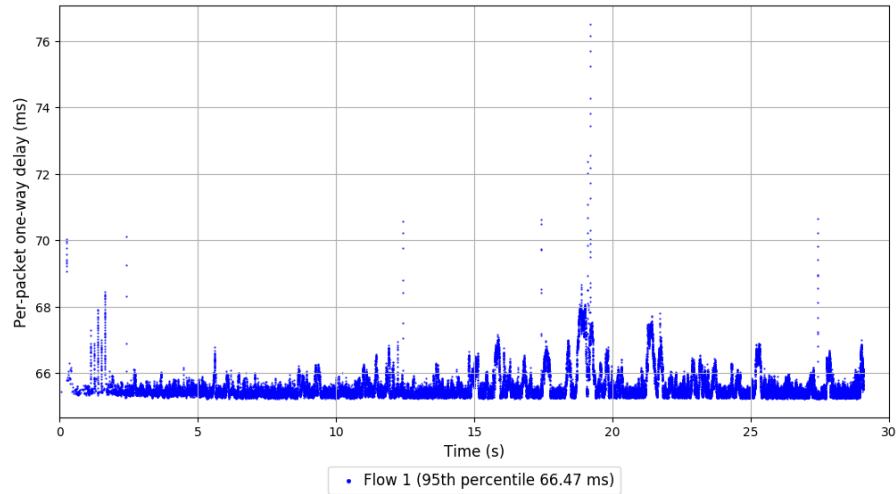
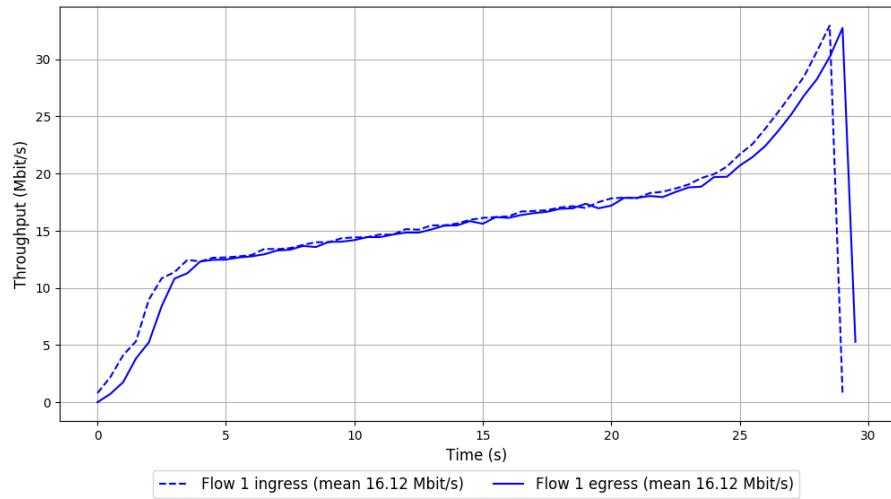


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-01-18 20:33:11
End at: 2019-01-18 20:33:41
Local clock offset: 0.713 ms
Remote clock offset: -33.132 ms

# Below is generated by plot.py at 2019-01-18 22:14:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 16.12 Mbit/s
95th percentile per-packet one-way delay: 66.472 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 16.12 Mbit/s
95th percentile per-packet one-way delay: 66.472 ms
Loss rate: 0.00%
```

Run 4: Report of Indigo-MusesD — Data Link

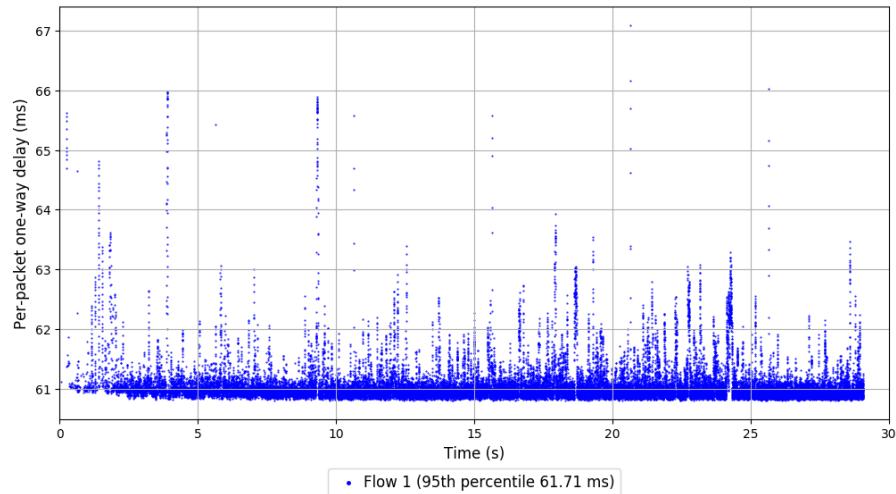
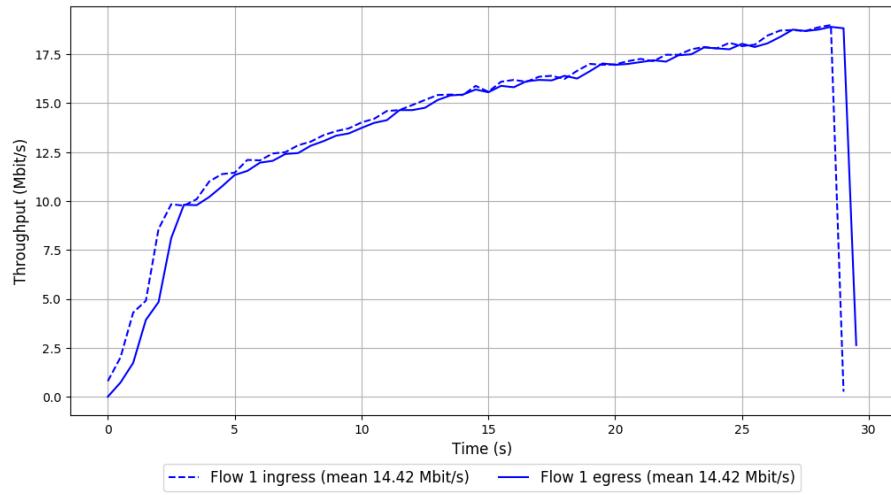


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-01-18 21:15:36
End at: 2019-01-18 21:16:06
Local clock offset: -0.331 ms
Remote clock offset: -38.736 ms

# Below is generated by plot.py at 2019-01-18 22:14:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.42 Mbit/s
95th percentile per-packet one-way delay: 61.707 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 14.42 Mbit/s
95th percentile per-packet one-way delay: 61.707 ms
Loss rate: 0.00%
```

Run 5: Report of Indigo-MusesD — Data Link

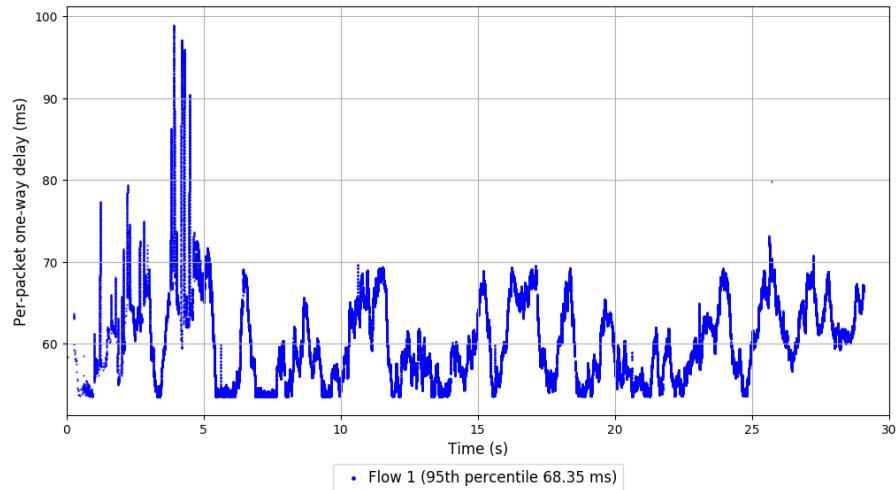
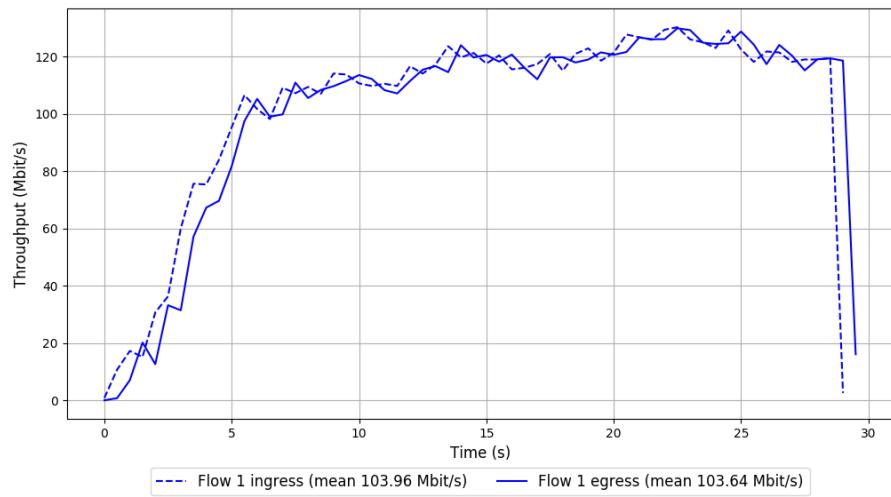


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-01-18 19:05:30
End at: 2019-01-18 19:06:00
Local clock offset: 1.118 ms
Remote clock offset: -45.183 ms

# Below is generated by plot.py at 2019-01-18 22:14:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 103.64 Mbit/s
95th percentile per-packet one-way delay: 68.346 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 103.64 Mbit/s
95th percentile per-packet one-way delay: 68.346 ms
Loss rate: 0.32%
```

Run 1: Report of Indigo-MusesT — Data Link

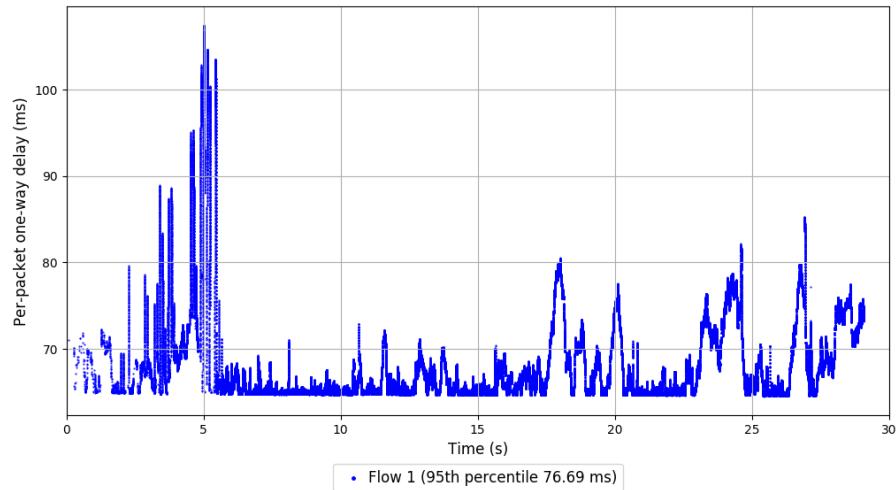
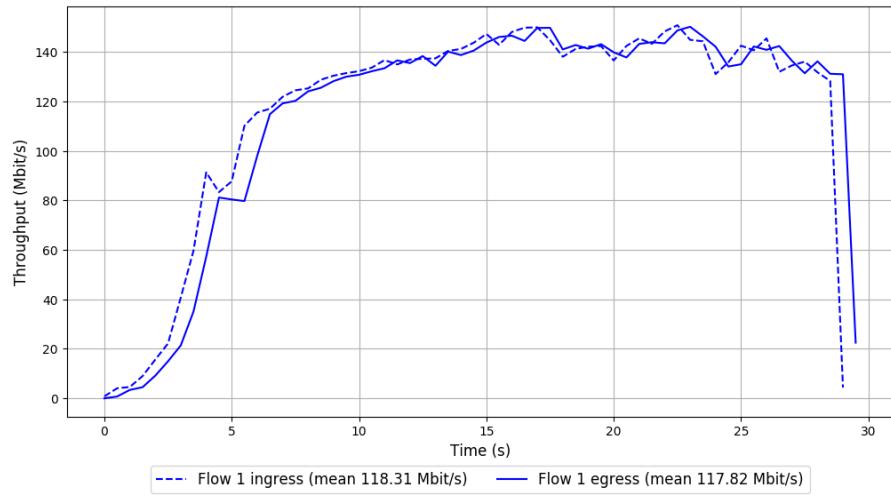


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-01-18 19:46:54
End at: 2019-01-18 19:47:24
Local clock offset: 1.543 ms
Remote clock offset: -34.592 ms

# Below is generated by plot.py at 2019-01-18 22:14:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 117.82 Mbit/s
95th percentile per-packet one-way delay: 76.687 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 117.82 Mbit/s
95th percentile per-packet one-way delay: 76.687 ms
Loss rate: 0.40%
```

Run 2: Report of Indigo-MusesT — Data Link

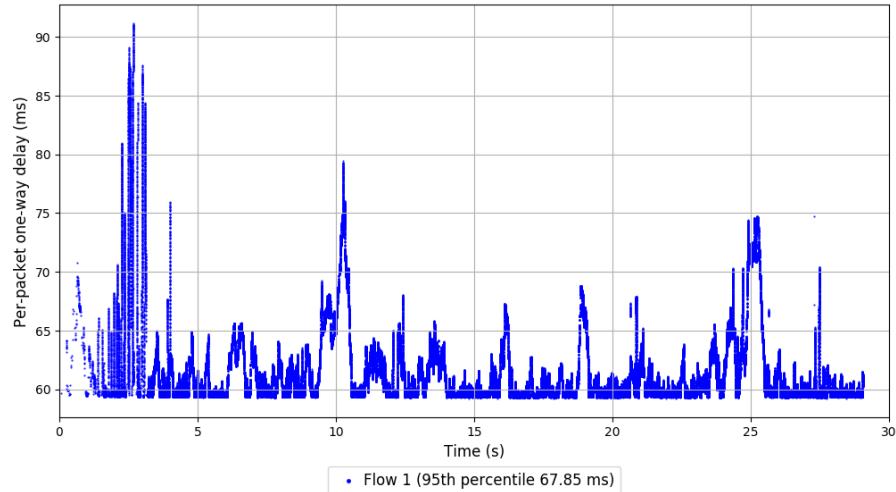
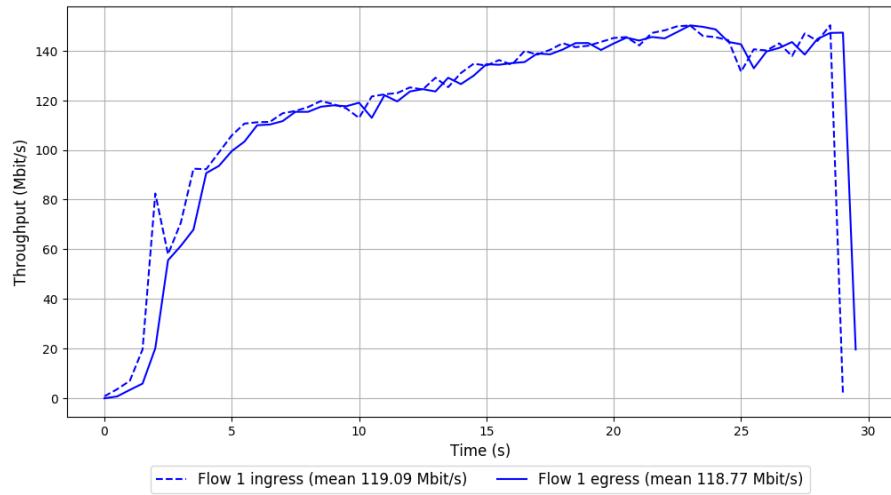


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-01-18 20:13:27
End at: 2019-01-18 20:13:57
Local clock offset: -1.063 ms
Remote clock offset: -40.589 ms

# Below is generated by plot.py at 2019-01-18 22:14:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 118.77 Mbit/s
95th percentile per-packet one-way delay: 67.851 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 118.77 Mbit/s
95th percentile per-packet one-way delay: 67.851 ms
Loss rate: 0.26%
```

Run 3: Report of Indigo-MusesT — Data Link

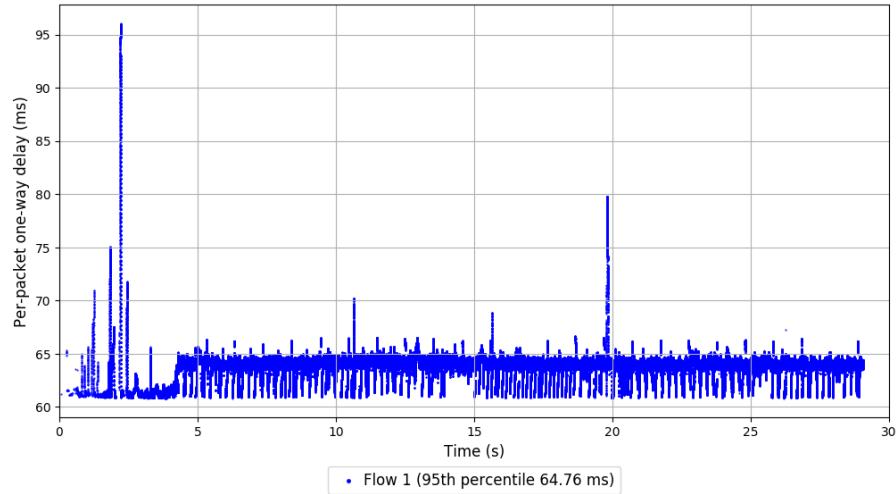
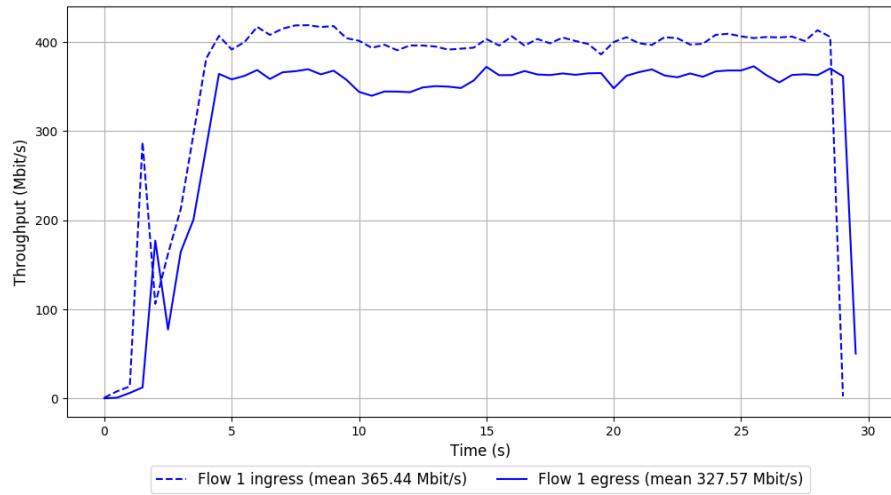


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-01-18 20:51:30
End at: 2019-01-18 20:52:00
Local clock offset: -0.744 ms
Remote clock offset: -41.69 ms

# Below is generated by plot.py at 2019-01-18 22:15:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 327.57 Mbit/s
95th percentile per-packet one-way delay: 64.756 ms
Loss rate: 10.35%
-- Flow 1:
Average throughput: 327.57 Mbit/s
95th percentile per-packet one-way delay: 64.756 ms
Loss rate: 10.35%
```

Run 4: Report of Indigo-MusesT — Data Link

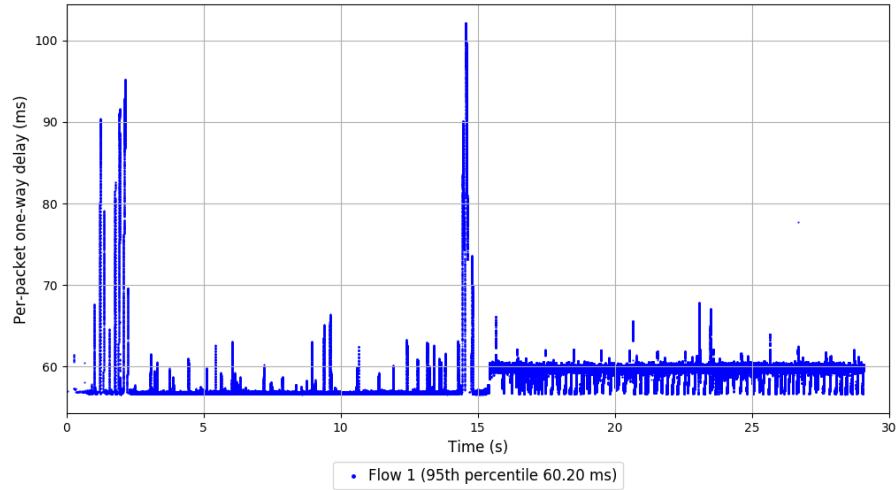
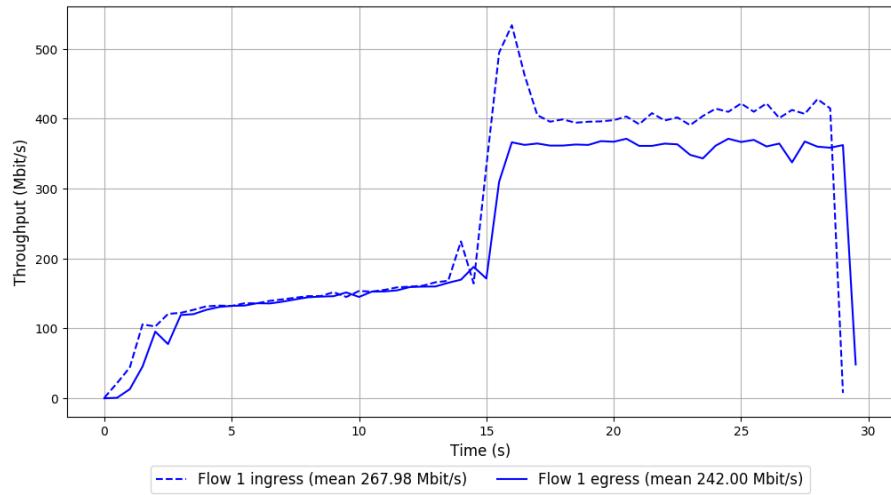


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-01-18 21:33:54
End at: 2019-01-18 21:34:24
Local clock offset: 0.412 ms
Remote clock offset: -41.987 ms

# Below is generated by plot.py at 2019-01-18 22:15:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 242.00 Mbit/s
95th percentile per-packet one-way delay: 60.202 ms
Loss rate: 9.68%
-- Flow 1:
Average throughput: 242.00 Mbit/s
95th percentile per-packet one-way delay: 60.202 ms
Loss rate: 9.68%
```

Run 5: Report of Indigo-MusesT — Data Link

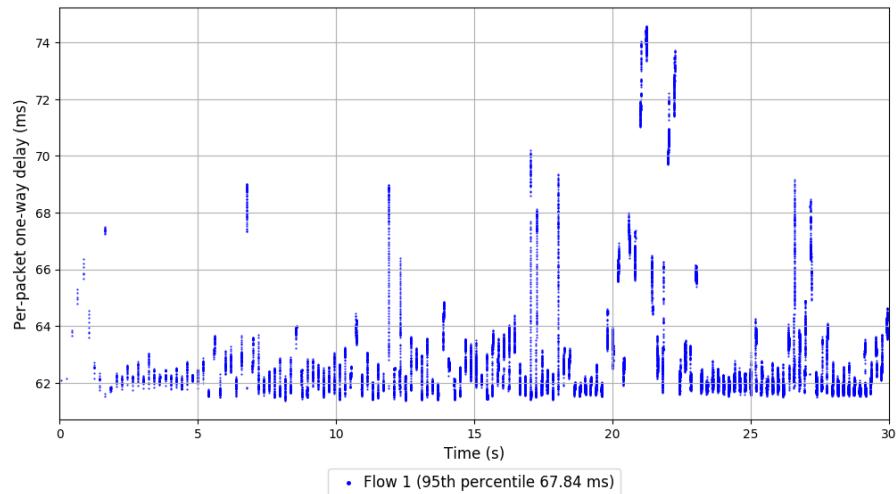
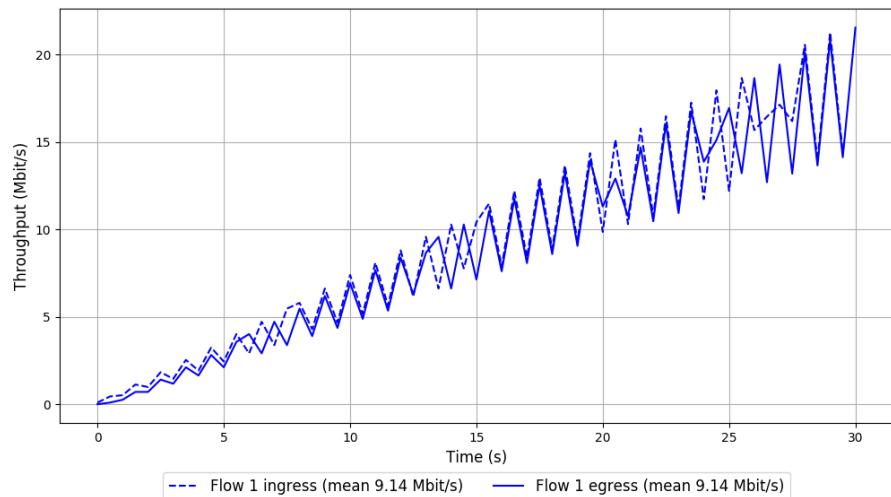


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2019-01-18 18:56:24
End at: 2019-01-18 18:56:54
Local clock offset: -0.142 ms
Remote clock offset: -39.449 ms

# Below is generated by plot.py at 2019-01-18 22:15:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.14 Mbit/s
95th percentile per-packet one-way delay: 67.839 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.14 Mbit/s
95th percentile per-packet one-way delay: 67.839 ms
Loss rate: 0.00%
```

Run 1: Report of LEDBAT — Data Link

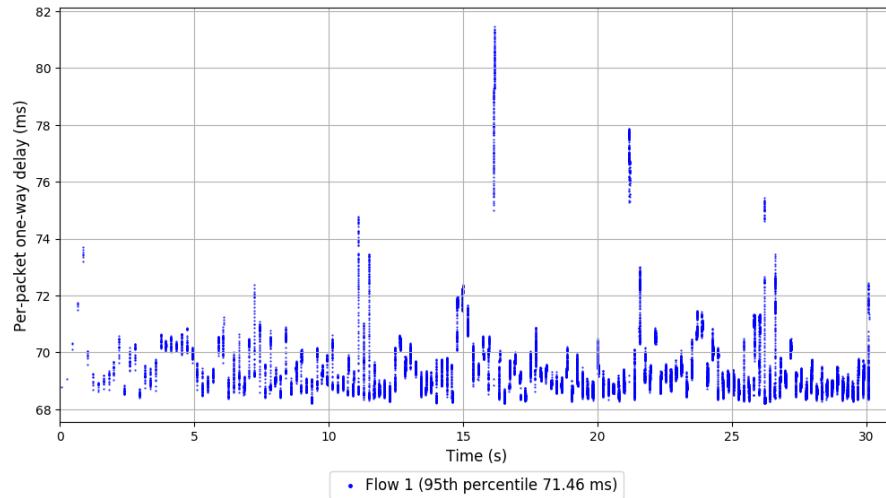
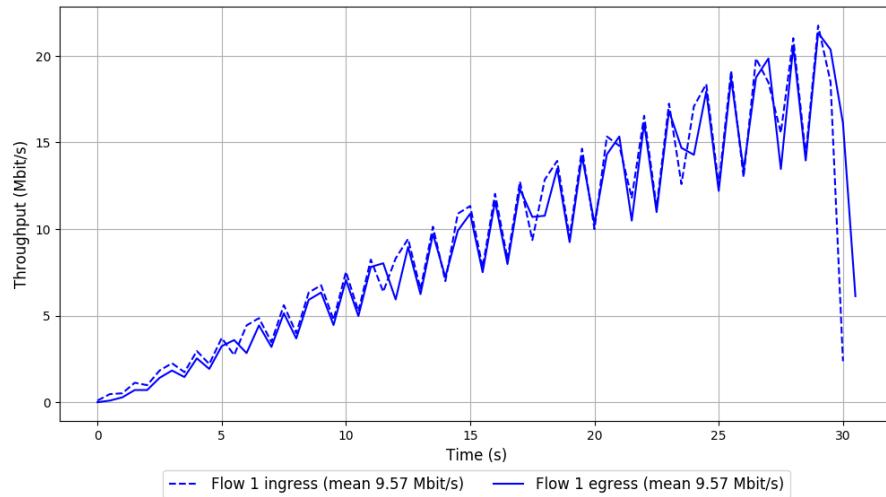


Run 2: Statistics of LEDBAT

```
Start at: 2019-01-18 19:23:09
End at: 2019-01-18 19:23:39
Local clock offset: -5.973 ms
Remote clock offset: -38.115 ms

# Below is generated by plot.py at 2019-01-18 22:15:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.57 Mbit/s
95th percentile per-packet one-way delay: 71.463 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.57 Mbit/s
95th percentile per-packet one-way delay: 71.463 ms
Loss rate: 0.00%
```

Run 2: Report of LEDBAT — Data Link

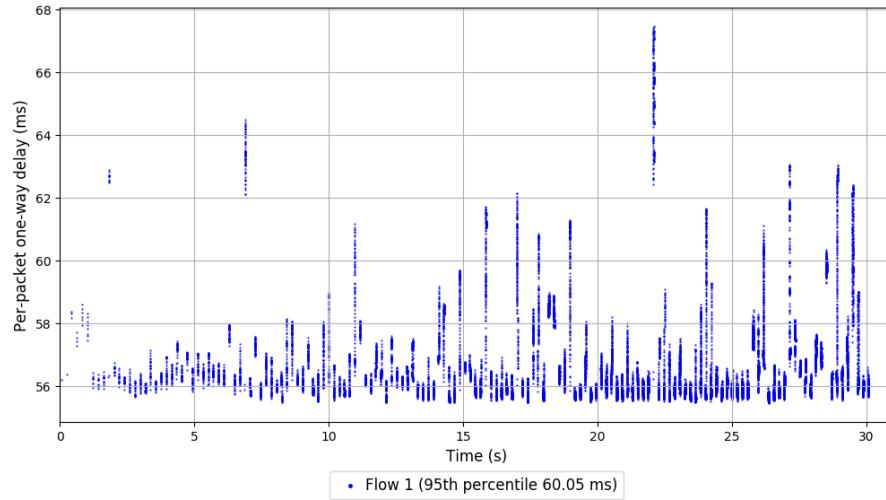
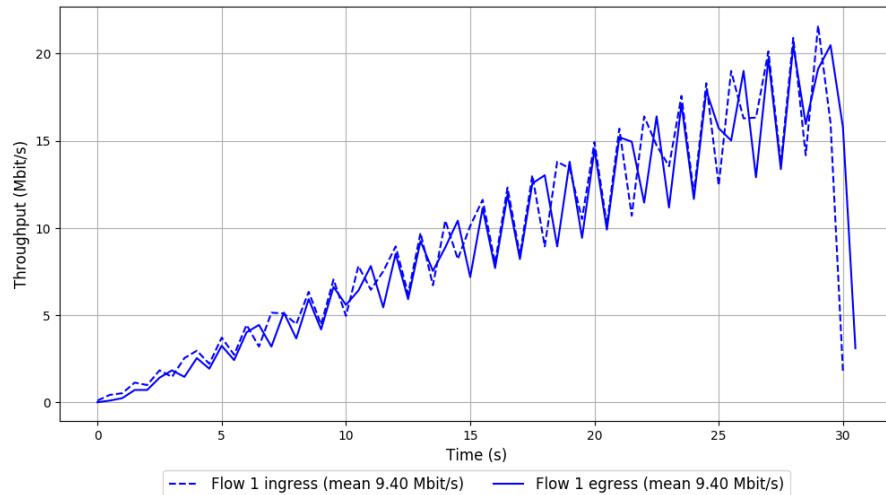


Run 3: Statistics of LEDBAT

```
Start at: 2019-01-18 20:04:25
End at: 2019-01-18 20:04:55
Local clock offset: -1.101 ms
Remote clock offset: -42.324 ms

# Below is generated by plot.py at 2019-01-18 22:15:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.40 Mbit/s
95th percentile per-packet one-way delay: 60.047 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.40 Mbit/s
95th percentile per-packet one-way delay: 60.047 ms
Loss rate: 0.00%
```

Run 3: Report of LEDBAT — Data Link

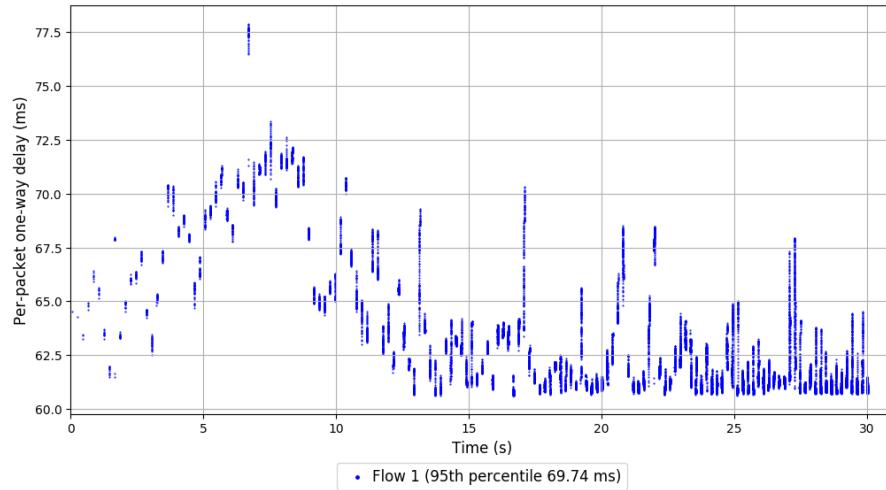
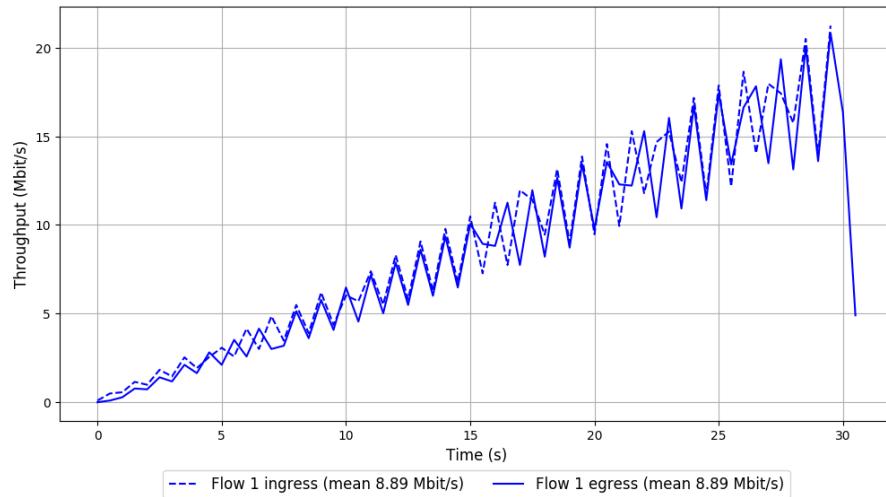


Run 4: Statistics of LEDBAT

```
Start at: 2019-01-18 20:36:46
End at: 2019-01-18 20:37:16
Local clock offset: -2.667 ms
Remote clock offset: -43.635 ms

# Below is generated by plot.py at 2019-01-18 22:15:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.89 Mbit/s
95th percentile per-packet one-way delay: 69.740 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 8.89 Mbit/s
95th percentile per-packet one-way delay: 69.740 ms
Loss rate: 0.00%
```

Run 4: Report of LEDBAT — Data Link

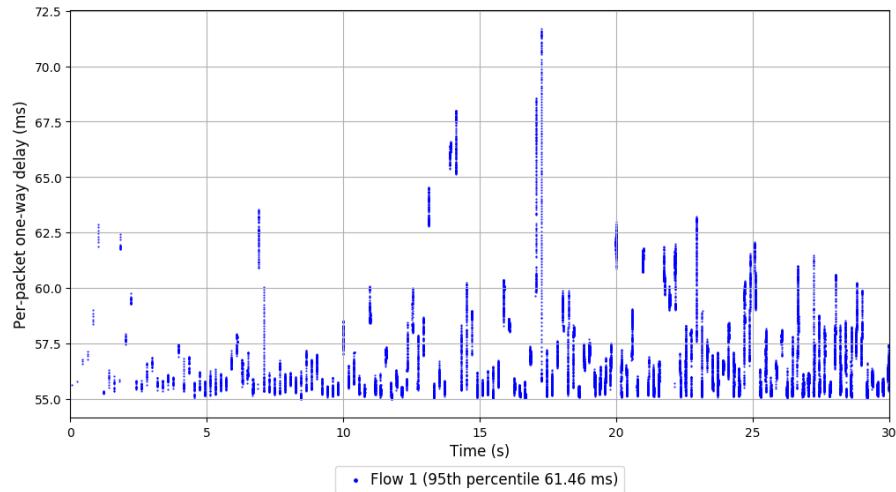
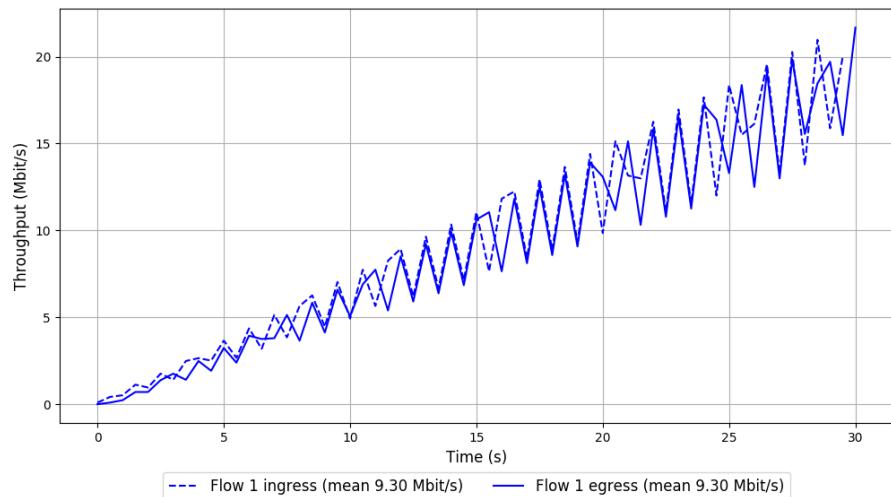


Run 5: Statistics of LEDBAT

```
Start at: 2019-01-18 21:24:35
End at: 2019-01-18 21:25:05
Local clock offset: -1.489 ms
Remote clock offset: -45.383 ms

# Below is generated by plot.py at 2019-01-18 22:15:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.30 Mbit/s
95th percentile per-packet one-way delay: 61.461 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.30 Mbit/s
95th percentile per-packet one-way delay: 61.461 ms
Loss rate: 0.00%
```

Run 5: Report of LEDBAT — Data Link

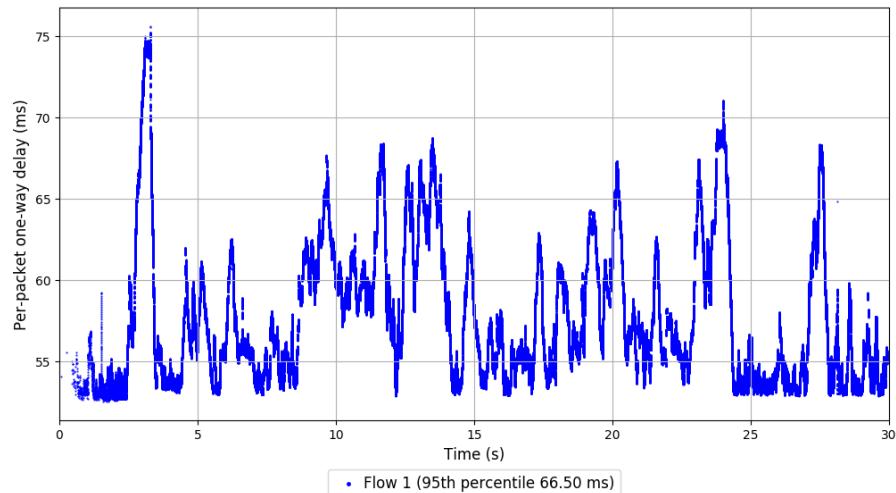
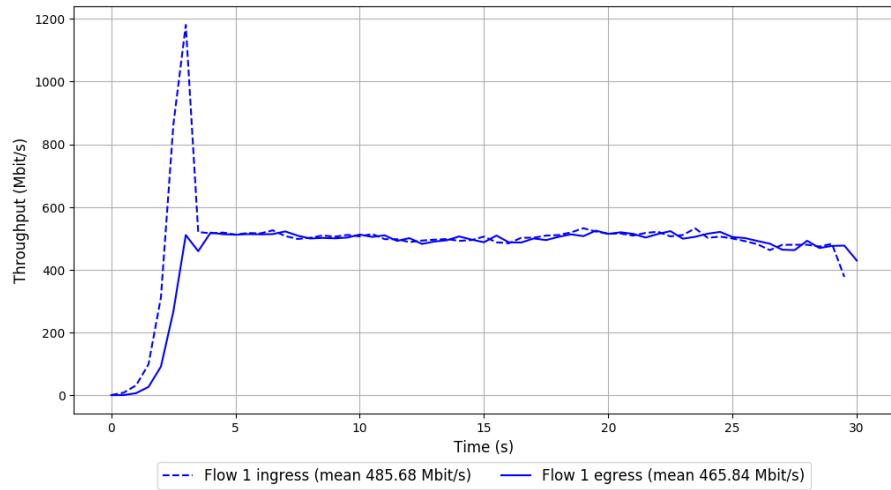


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-01-18 19:06:46
End at: 2019-01-18 19:07:16
Local clock offset: 1.585 ms
Remote clock offset: -48.01 ms

# Below is generated by plot.py at 2019-01-18 22:18:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 465.84 Mbit/s
95th percentile per-packet one-way delay: 66.498 ms
Loss rate: 4.08%
-- Flow 1:
Average throughput: 465.84 Mbit/s
95th percentile per-packet one-way delay: 66.498 ms
Loss rate: 4.08%
```

Run 1: Report of PCC-Allegro — Data Link

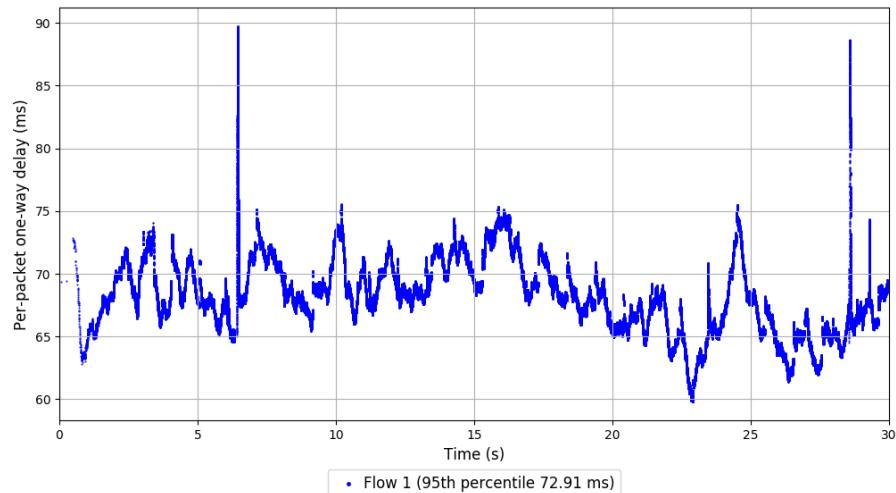
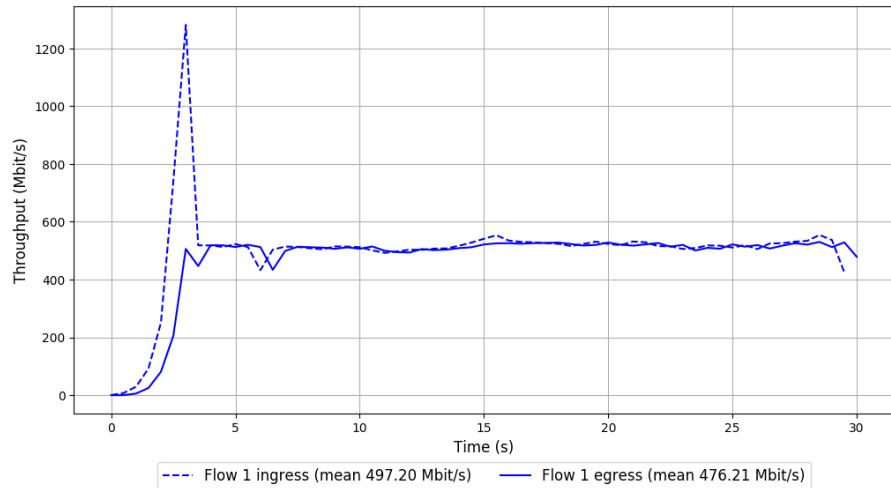


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-01-18 19:48:10
End at: 2019-01-18 19:48:40
Local clock offset: 1.704 ms
Remote clock offset: -42.073 ms

# Below is generated by plot.py at 2019-01-18 22:18:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 476.21 Mbit/s
95th percentile per-packet one-way delay: 72.906 ms
Loss rate: 4.25%
-- Flow 1:
Average throughput: 476.21 Mbit/s
95th percentile per-packet one-way delay: 72.906 ms
Loss rate: 4.25%
```

Run 2: Report of PCC-Allegro — Data Link

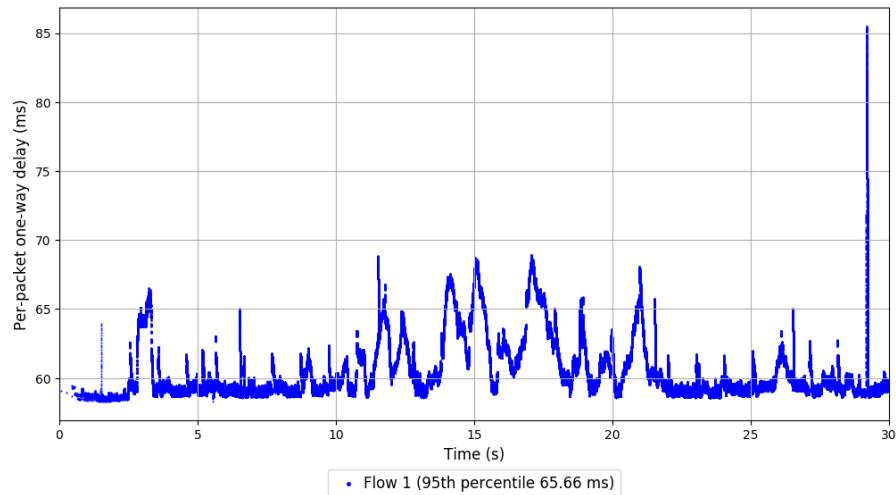
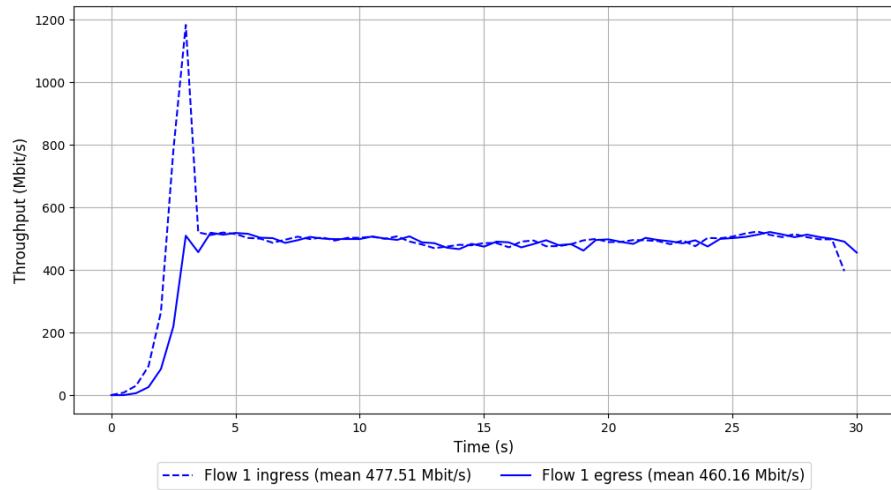


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-01-18 20:14:43
End at: 2019-01-18 20:15:13
Local clock offset: -2.152 ms
Remote clock offset: -39.848 ms

# Below is generated by plot.py at 2019-01-18 22:18:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 460.16 Mbit/s
95th percentile per-packet one-way delay: 65.662 ms
Loss rate: 3.63%
-- Flow 1:
Average throughput: 460.16 Mbit/s
95th percentile per-packet one-way delay: 65.662 ms
Loss rate: 3.63%
```

Run 3: Report of PCC-Allegro — Data Link

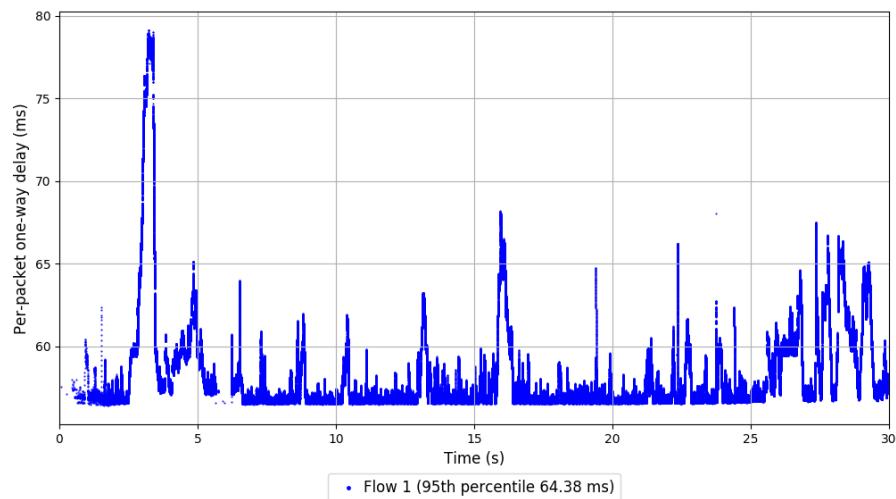
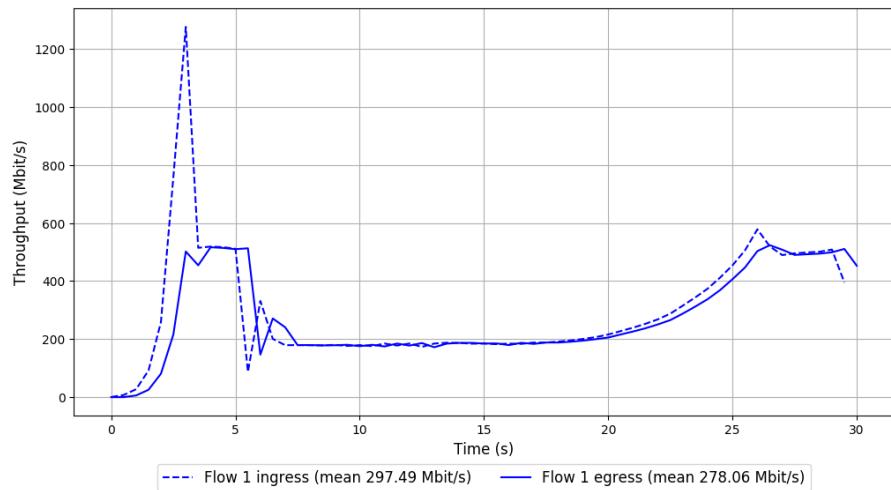


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-01-18 20:52:55
End at: 2019-01-18 20:53:25
Local clock offset: 1.077 ms
Remote clock offset: -44.335 ms

# Below is generated by plot.py at 2019-01-18 22:18:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 278.06 Mbit/s
95th percentile per-packet one-way delay: 64.379 ms
Loss rate: 6.53%
-- Flow 1:
Average throughput: 278.06 Mbit/s
95th percentile per-packet one-way delay: 64.379 ms
Loss rate: 6.53%
```

Run 4: Report of PCC-Allegro — Data Link

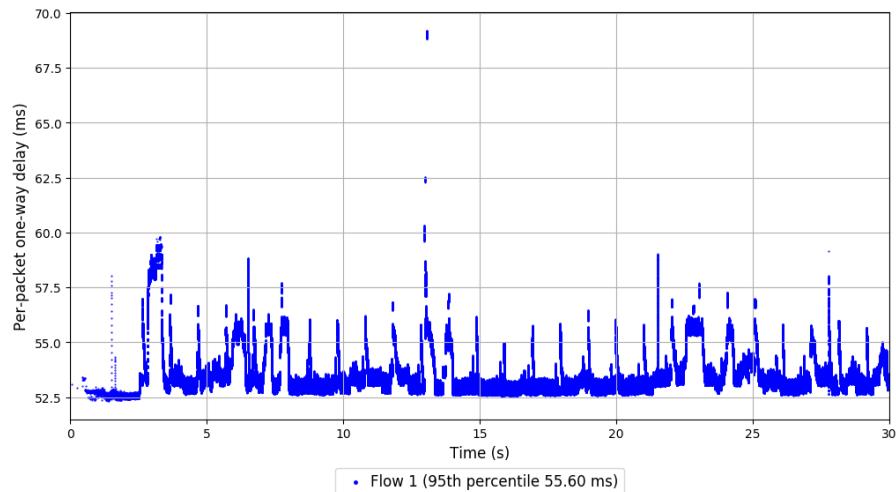
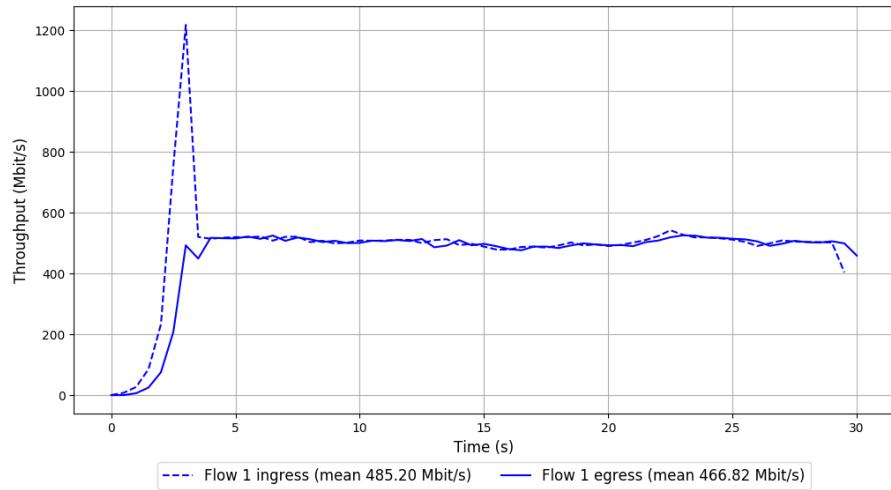


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-01-18 21:35:16
End at: 2019-01-18 21:35:46
Local clock offset: -0.917 ms
Remote clock offset: -47.245 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 466.82 Mbit/s
95th percentile per-packet one-way delay: 55.603 ms
Loss rate: 3.79%
-- Flow 1:
Average throughput: 466.82 Mbit/s
95th percentile per-packet one-way delay: 55.603 ms
Loss rate: 3.79%
```

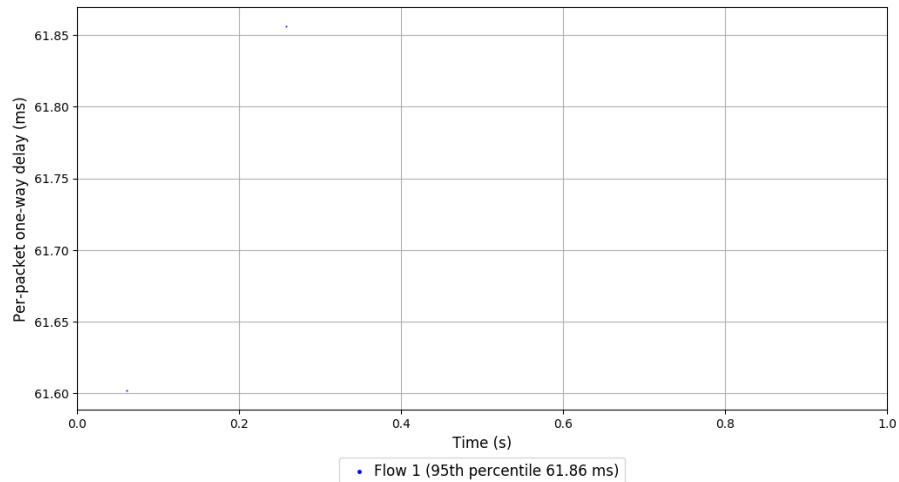
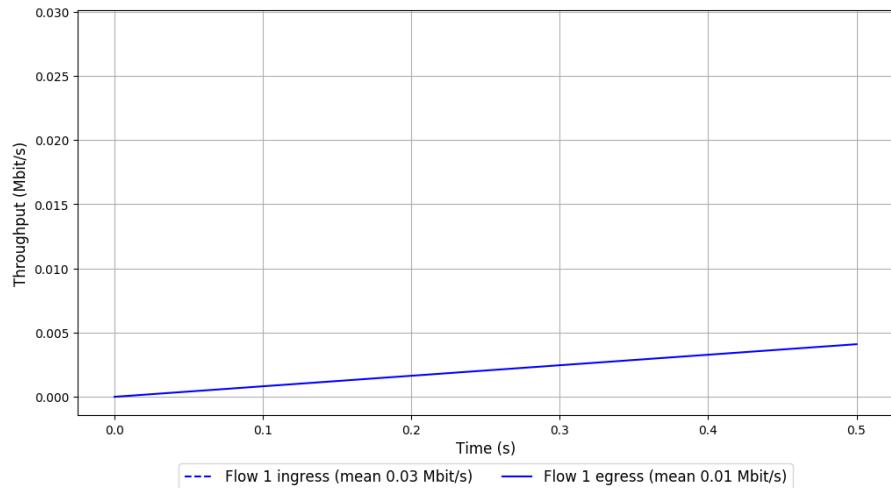
Run 5: Report of PCC-Allegro — Data Link



Run 1: Statistics of PCC-Expr

Start at: 2019-01-18 19:08:11
End at: 2019-01-18 19:08:41
Local clock offset: 0.557 ms
Remote clock offset: -39.024 ms

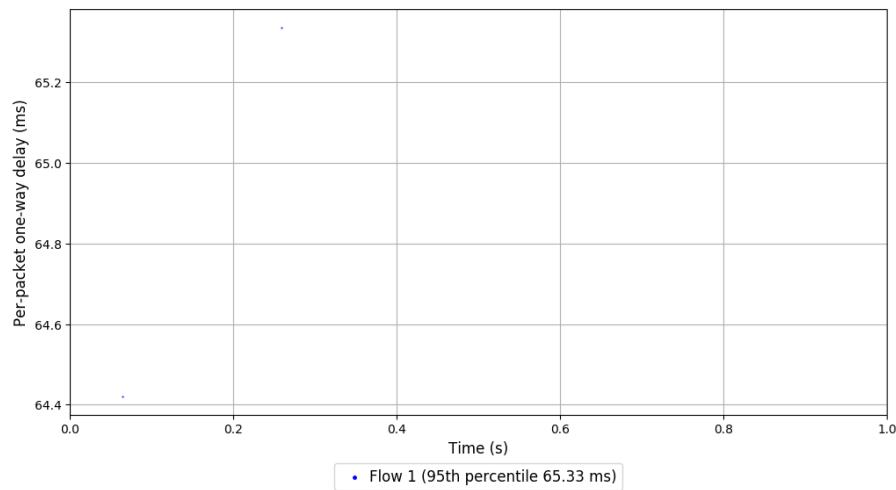
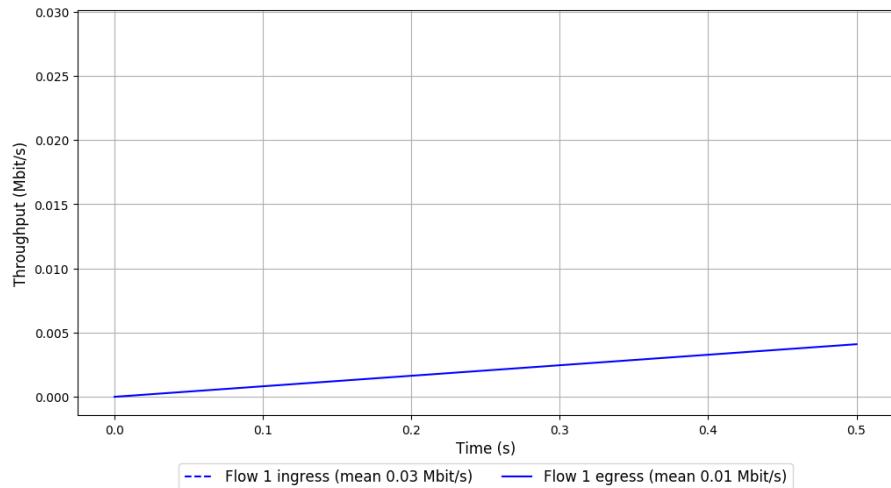
Run 1: Report of PCC-Expr — Data Link



Run 2: Statistics of PCC-Expr

Start at: 2019-01-18 19:49:36
End at: 2019-01-18 19:50:06
Local clock offset: 0.586 ms
Remote clock offset: -35.452 ms

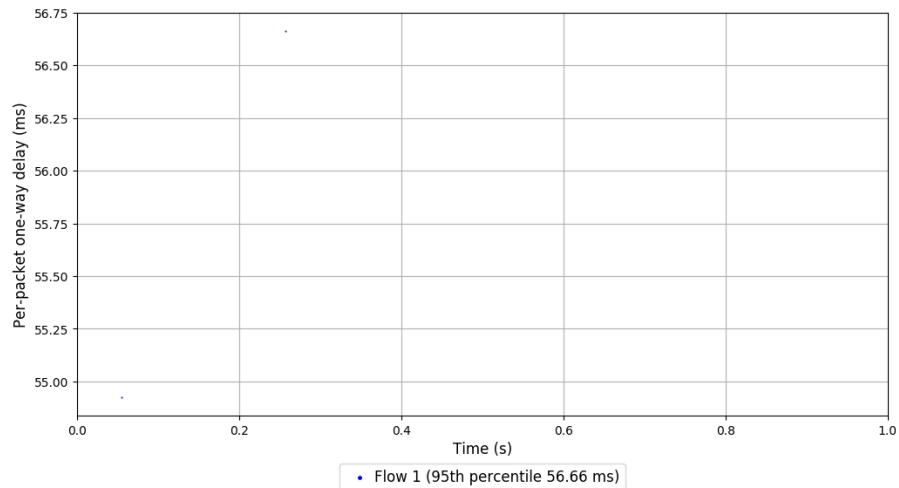
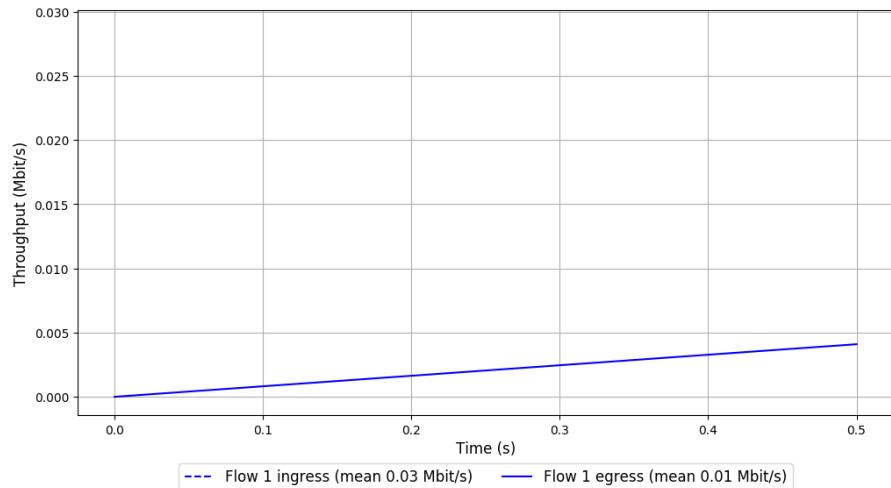
Run 2: Report of PCC-Expr — Data Link



Run 3: Statistics of PCC-Expr

Start at: 2019-01-18 20:16:09
End at: 2019-01-18 20:16:40
Local clock offset: -1.605 ms
Remote clock offset: -43.77 ms

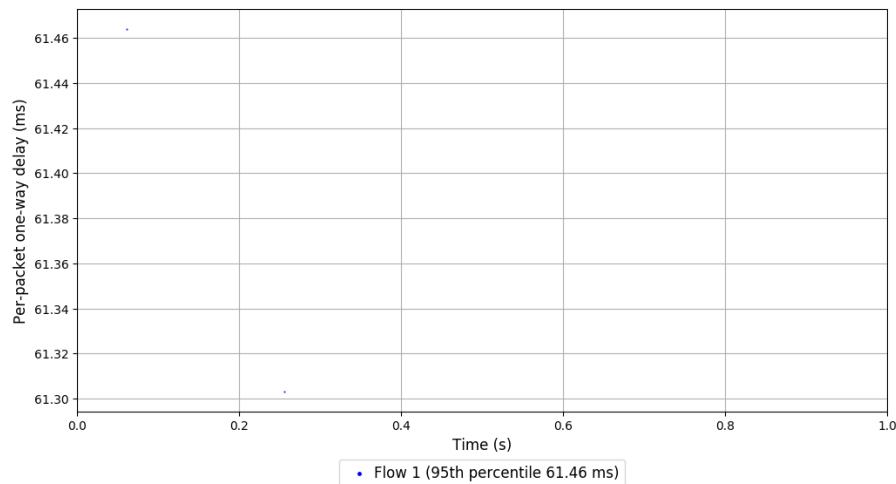
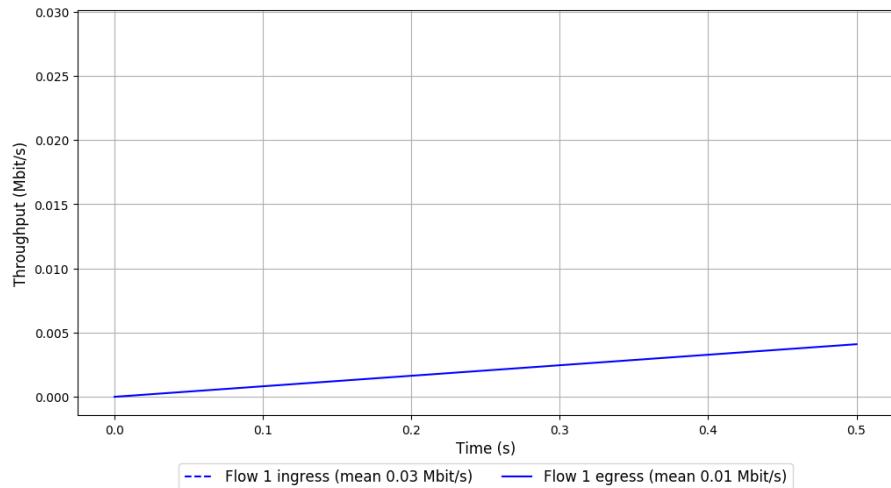
Run 3: Report of PCC-Expr — Data Link



Run 4: Statistics of PCC-Expr

Start at: 2019-01-18 20:54:15
End at: 2019-01-18 20:54:45
Local clock offset: 0.041 ms
Remote clock offset: -38.429 ms

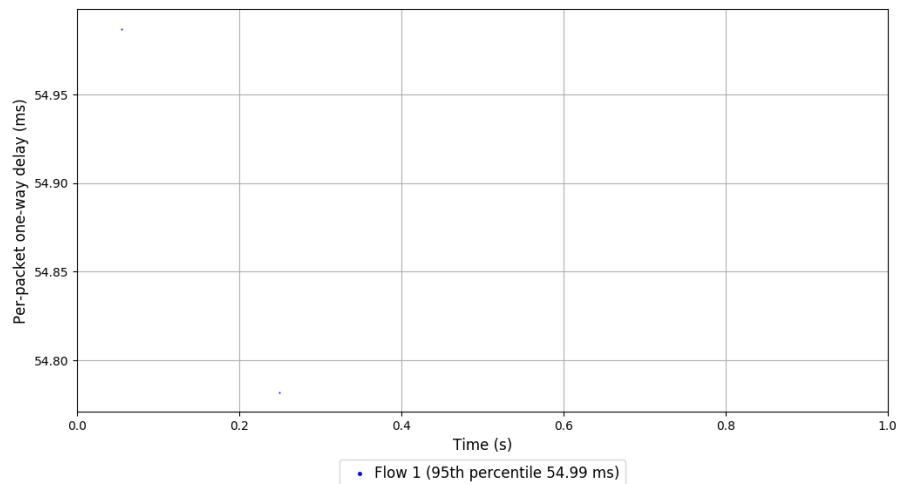
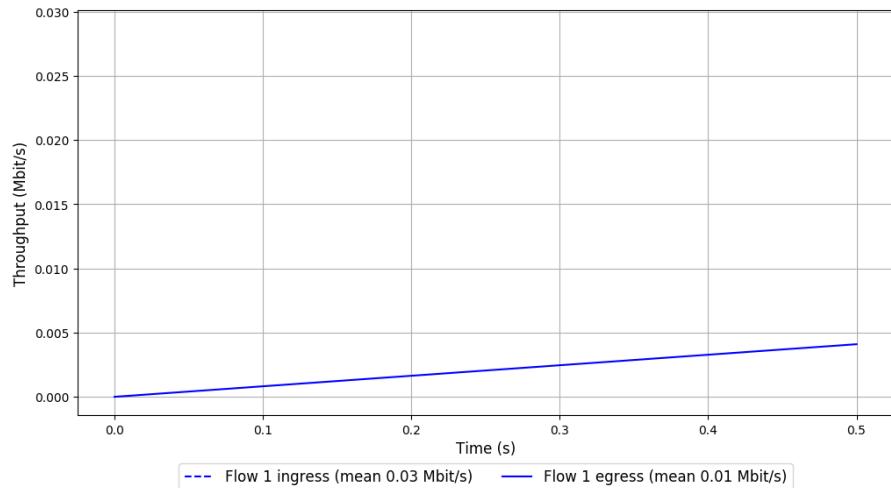
Run 4: Report of PCC-Expr — Data Link



Run 5: Statistics of PCC-Expr

Start at: 2019-01-18 21:36:42
End at: 2019-01-18 21:37:12
Local clock offset: 0.067 ms
Remote clock offset: -44.664 ms

Run 5: Report of PCC-Expr — Data Link

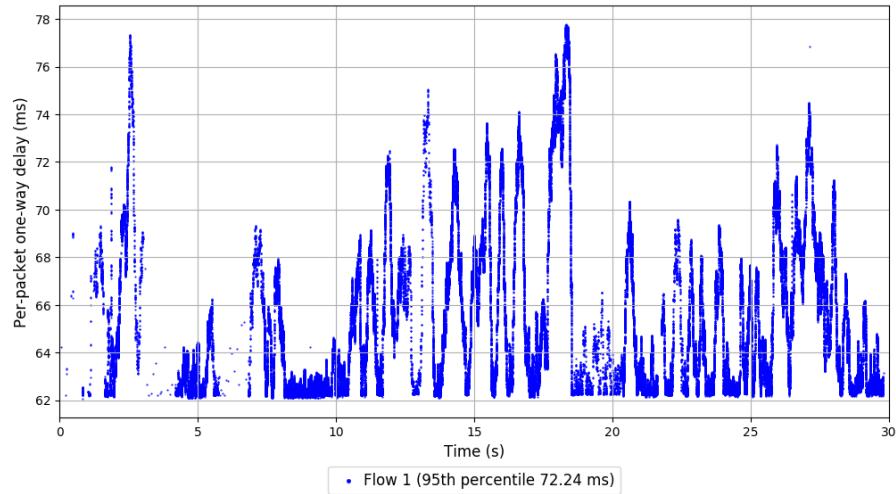
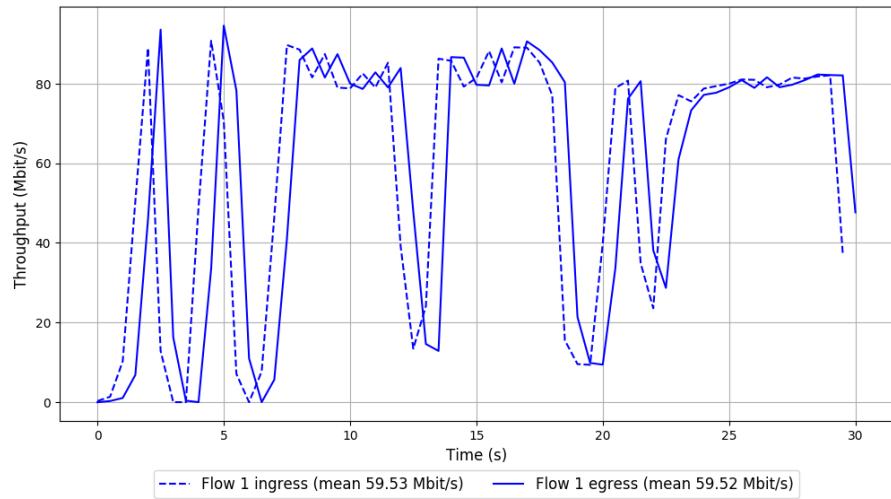


```
Run 1: Statistics of QUIC Cubic

Start at: 2019-01-18 19:01:33
End at: 2019-01-18 19:02:03
Local clock offset: -1.14 ms
Remote clock offset: -38.149 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.52 Mbit/s
95th percentile per-packet one-way delay: 72.237 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 59.52 Mbit/s
95th percentile per-packet one-way delay: 72.237 ms
Loss rate: 0.03%
```

Run 1: Report of QUIC Cubic — Data Link

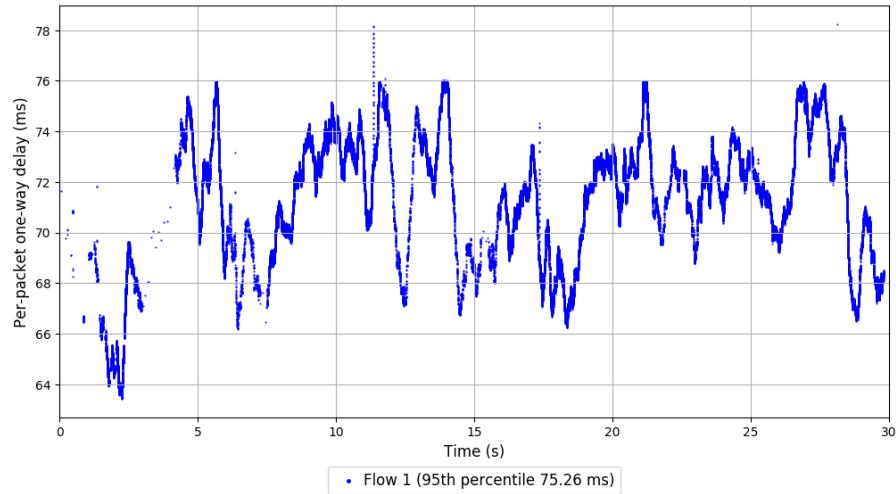
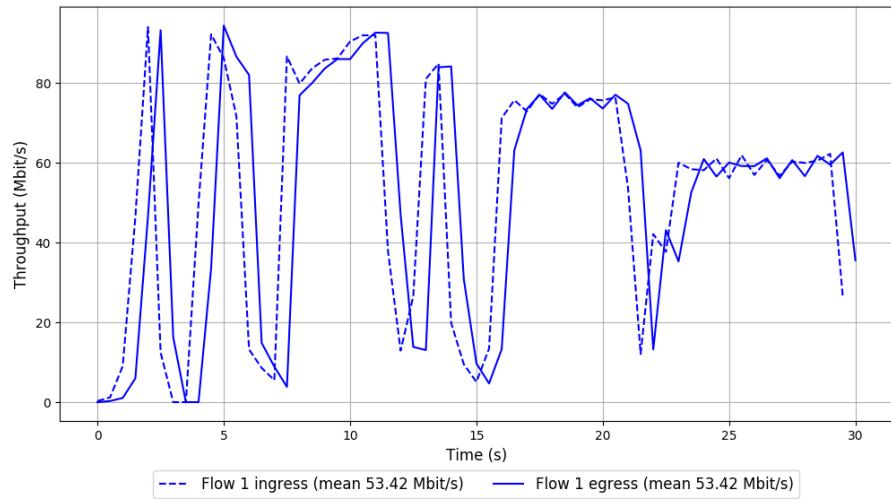


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-01-18 19:42:58
End at: 2019-01-18 19:43:28
Local clock offset: 1.323 ms
Remote clock offset: -38.991 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.42 Mbit/s
95th percentile per-packet one-way delay: 75.259 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 53.42 Mbit/s
95th percentile per-packet one-way delay: 75.259 ms
Loss rate: 0.01%
```

Run 2: Report of QUIC Cubic — Data Link

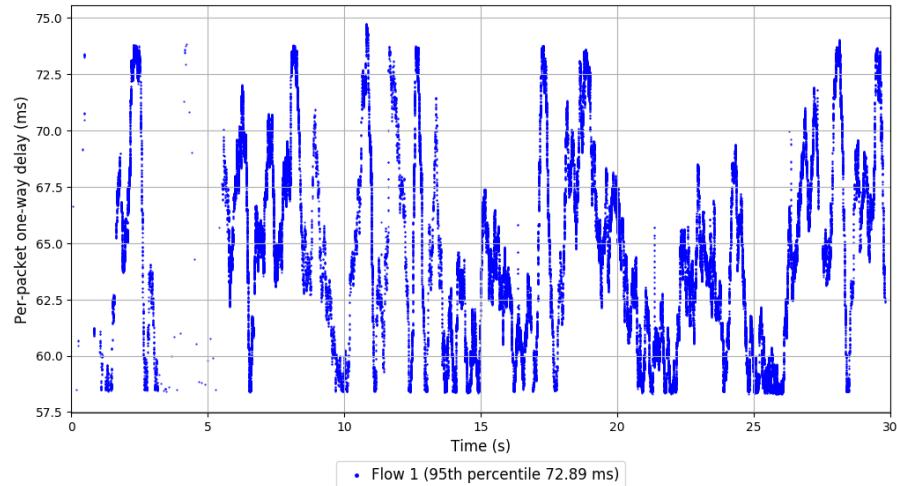
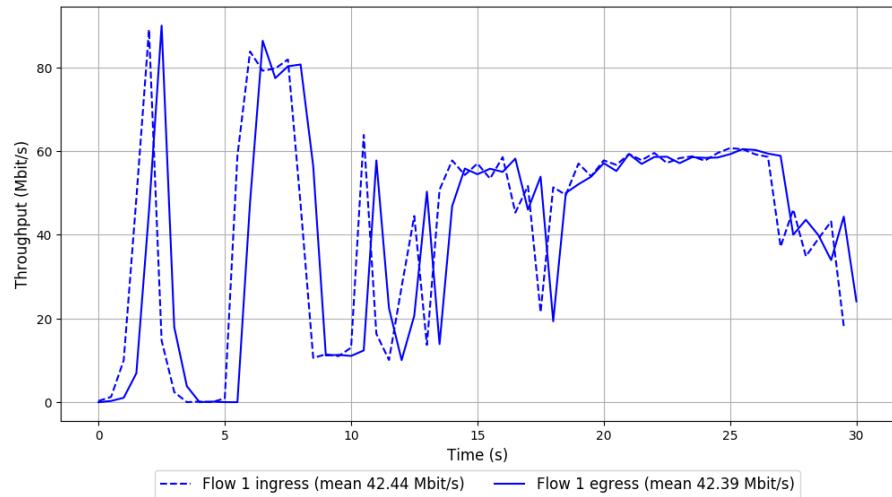


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-01-18 20:09:33
End at: 2019-01-18 20:10:03
Local clock offset: -3.134 ms
Remote clock offset: -41.373 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.39 Mbit/s
95th percentile per-packet one-way delay: 72.895 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 42.39 Mbit/s
95th percentile per-packet one-way delay: 72.895 ms
Loss rate: 0.12%
```

Run 3: Report of QUIC Cubic — Data Link

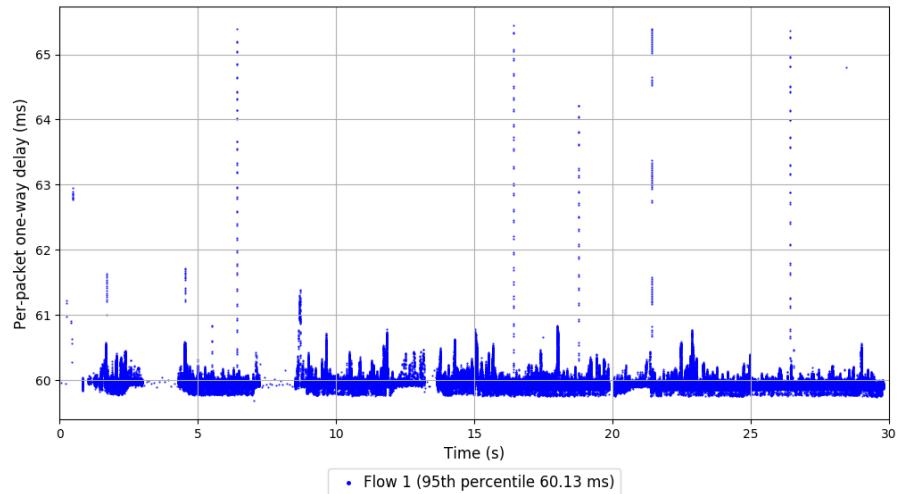
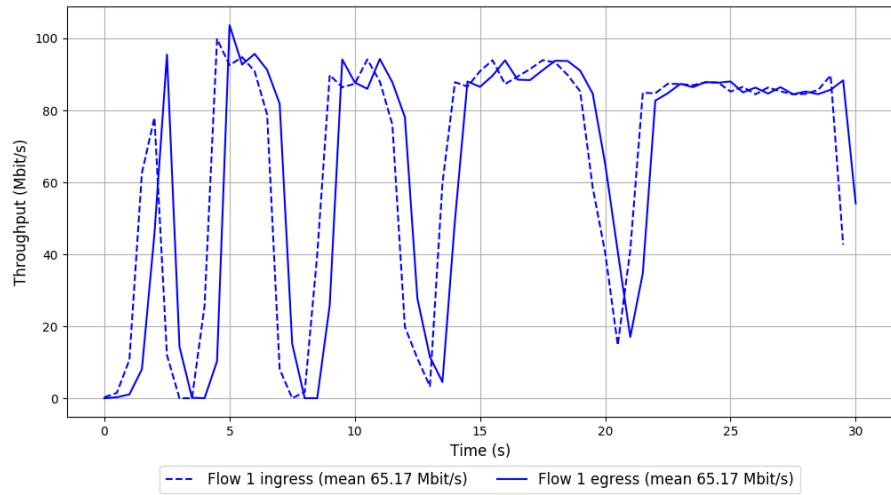


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-01-18 20:47:32
End at: 2019-01-18 20:48:02
Local clock offset: 0.236 ms
Remote clock offset: -39.363 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.17 Mbit/s
95th percentile per-packet one-way delay: 60.131 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 65.17 Mbit/s
95th percentile per-packet one-way delay: 60.131 ms
Loss rate: 0.00%
```

Run 4: Report of QUIC Cubic — Data Link

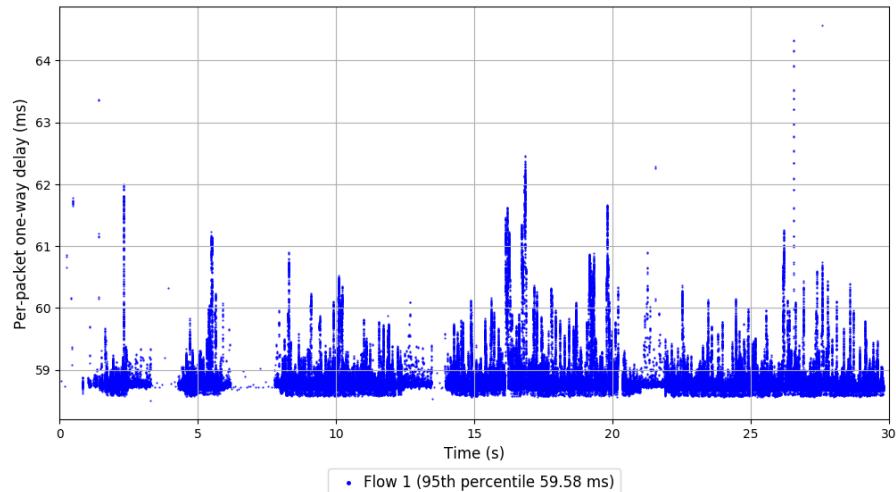
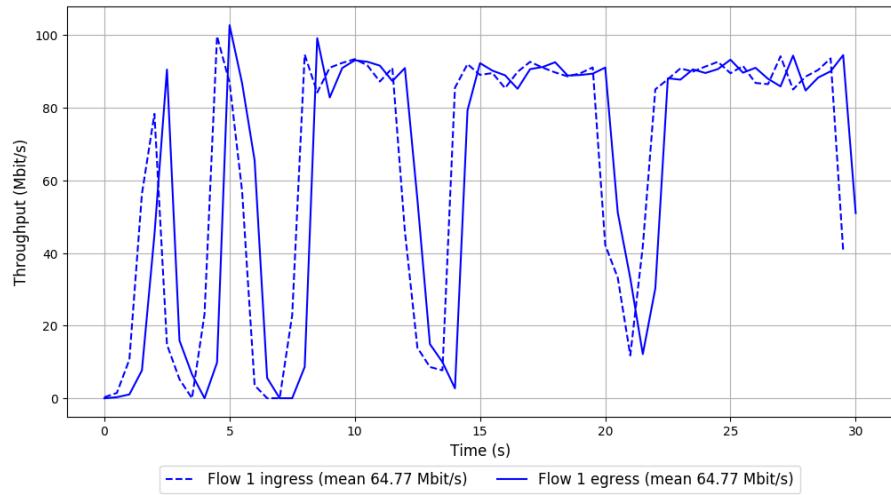


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-01-18 21:29:57
End at: 2019-01-18 21:30:27
Local clock offset: 1.043 ms
Remote clock offset: -39.612 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.77 Mbit/s
95th percentile per-packet one-way delay: 59.583 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.77 Mbit/s
95th percentile per-packet one-way delay: 59.583 ms
Loss rate: 0.00%
```

Run 5: Report of QUIC Cubic — Data Link

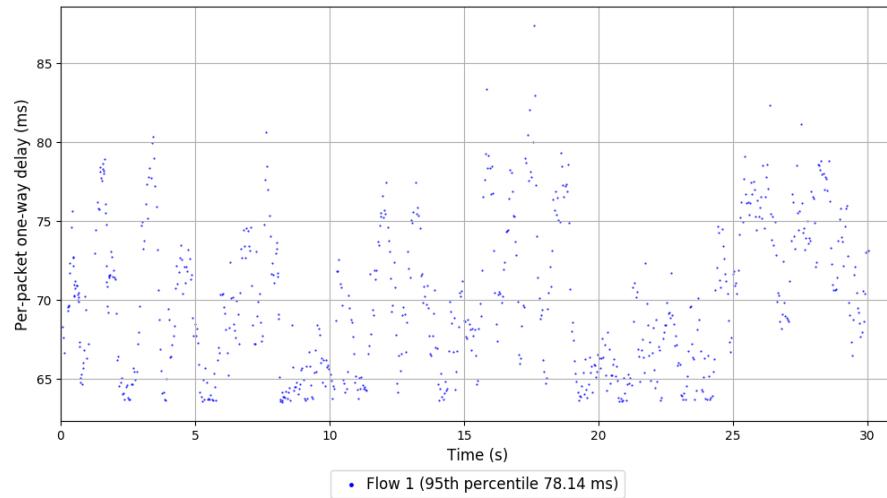
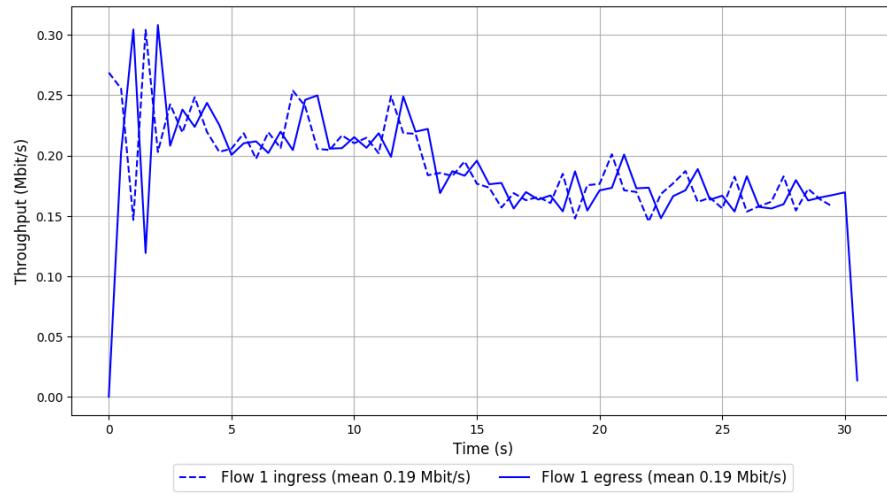


```
Run 1: Statistics of SCReAM

Start at: 2019-01-18 19:10:46
End at: 2019-01-18 19:11:16
Local clock offset: 1.978 ms
Remote clock offset: -34.803 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 78.139 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 78.139 ms
Loss rate: 0.13%
```

Run 1: Report of SCReAM — Data Link

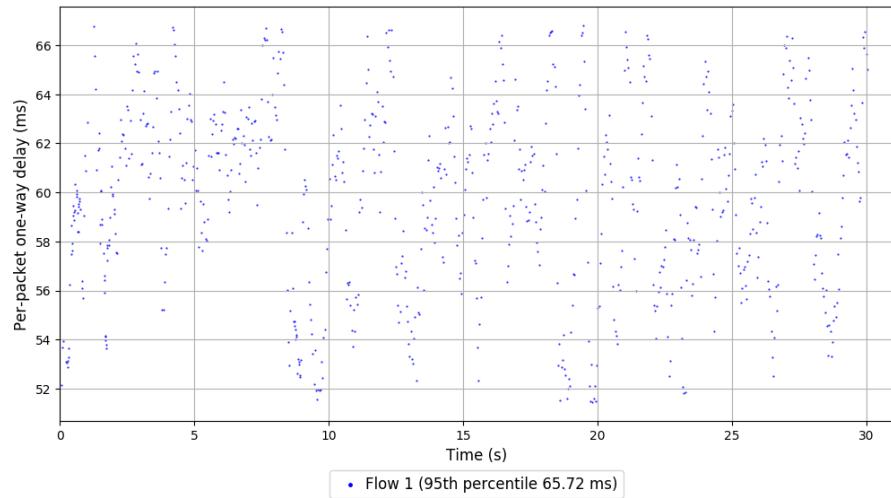
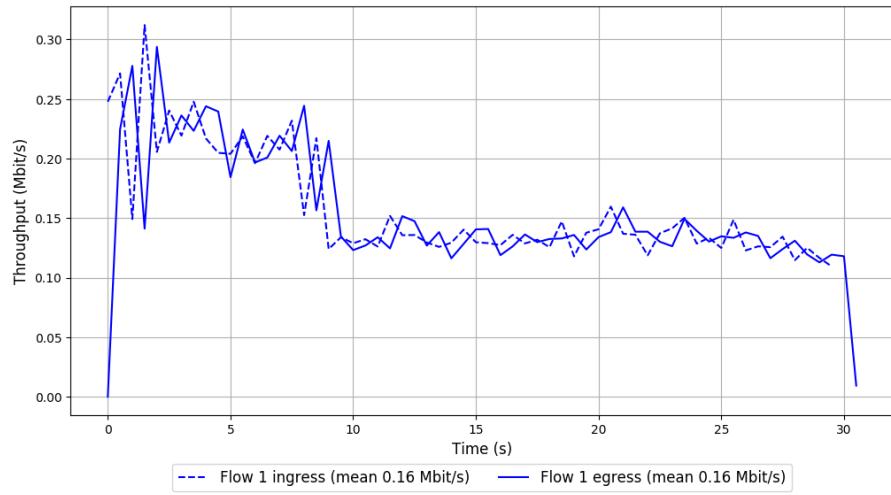


Run 2: Statistics of SCReAM

```
Start at: 2019-01-18 19:52:11
End at: 2019-01-18 19:52:41
Local clock offset: 0.698 ms
Remote clock offset: -46.632 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 65.716 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.16 Mbit/s
95th percentile per-packet one-way delay: 65.716 ms
Loss rate: 0.12%
```

Run 2: Report of SCReAM — Data Link

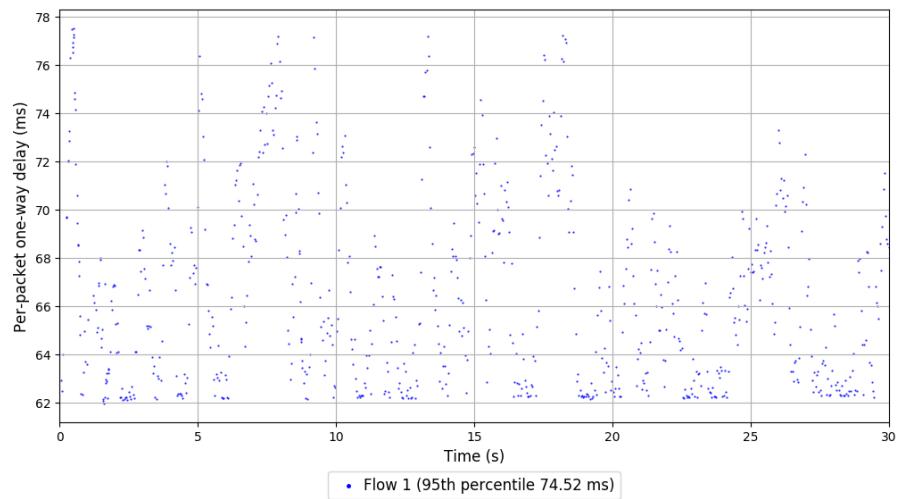
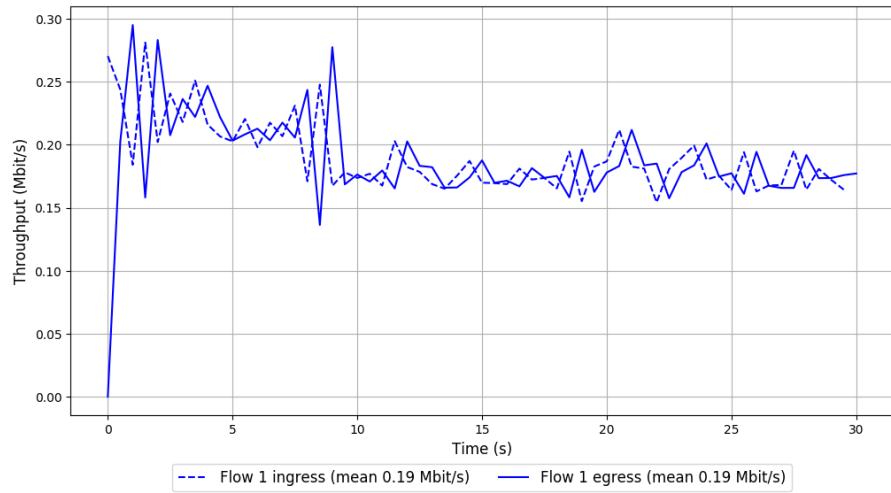


Run 3: Statistics of SCReAM

```
Start at: 2019-01-18 20:18:33
End at: 2019-01-18 20:19:03
Local clock offset: -2.398 ms
Remote clock offset: -39.683 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 74.520 ms
Loss rate: 0.12%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 74.520 ms
Loss rate: 0.12%
```

Run 3: Report of SCReAM — Data Link

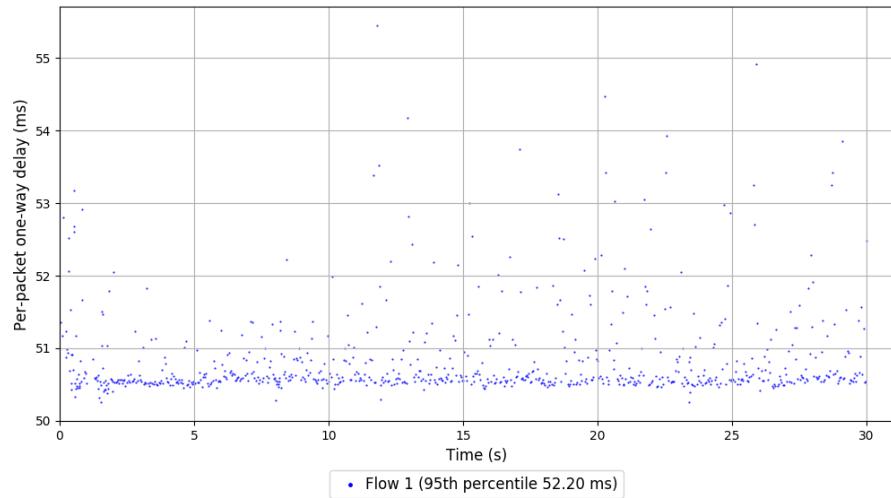
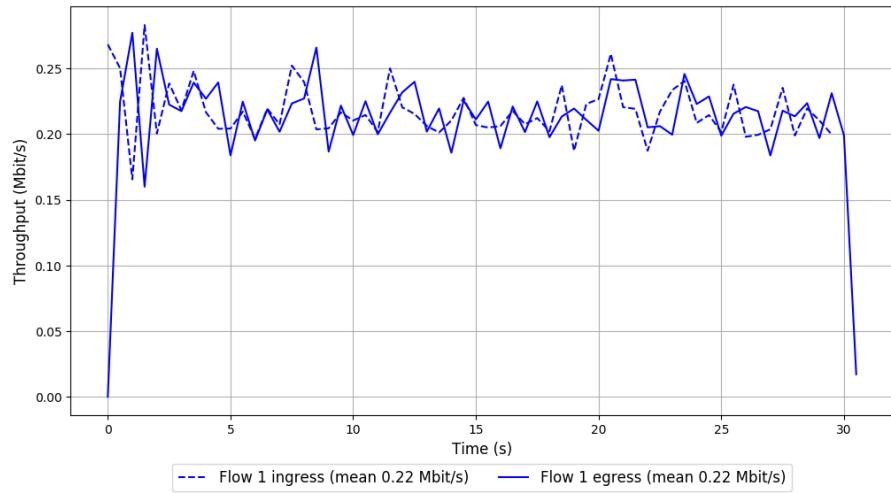


Run 4: Statistics of SCReAM

```
Start at: 2019-01-18 20:56:50
End at: 2019-01-18 20:57:20
Local clock offset: 0.999 ms
Remote clock offset: -48.072 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.197 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 52.197 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

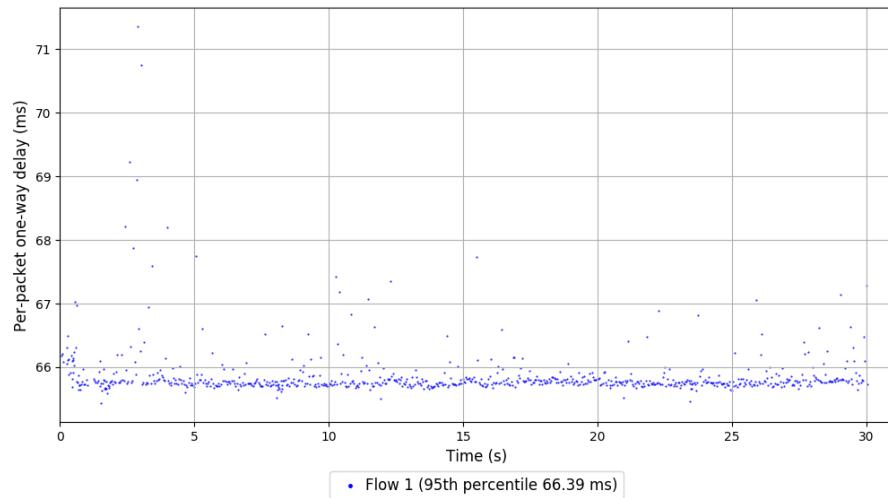
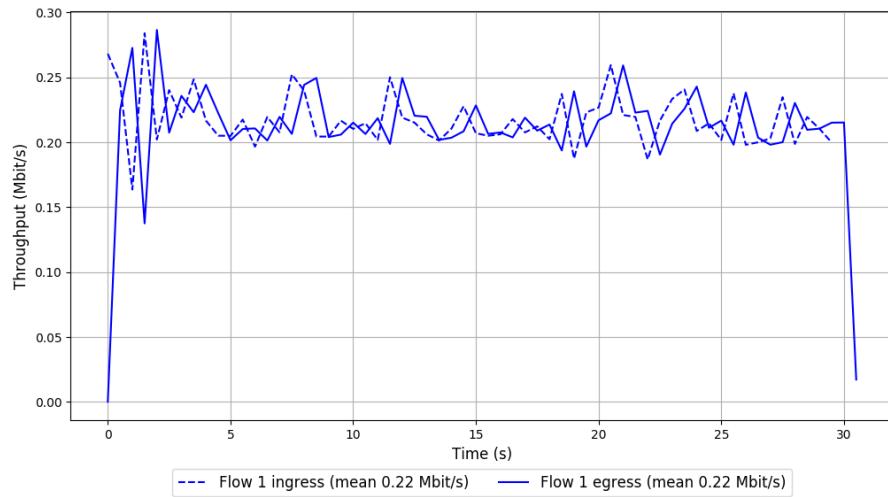


Run 5: Statistics of SCReAM

```
Start at: 2019-01-18 21:44:43
End at: 2019-01-18 21:45:13
Local clock offset: -0.001 ms
Remote clock offset: -33.384 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.391 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 66.391 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

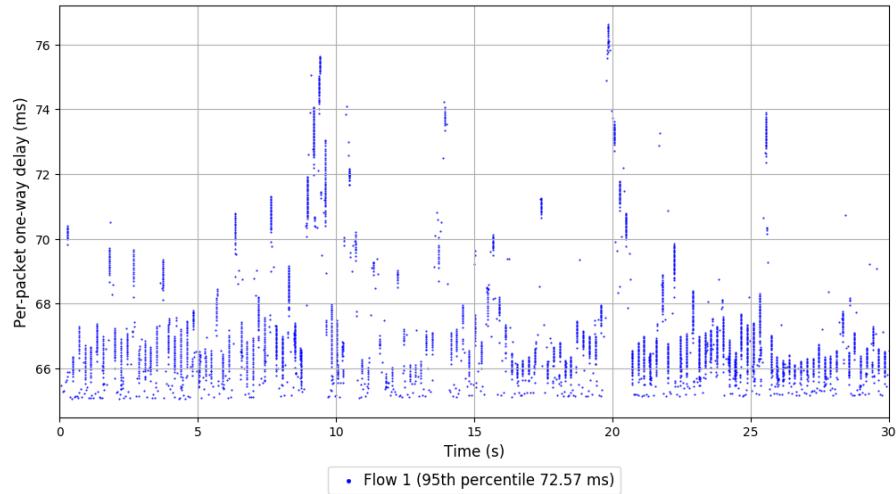
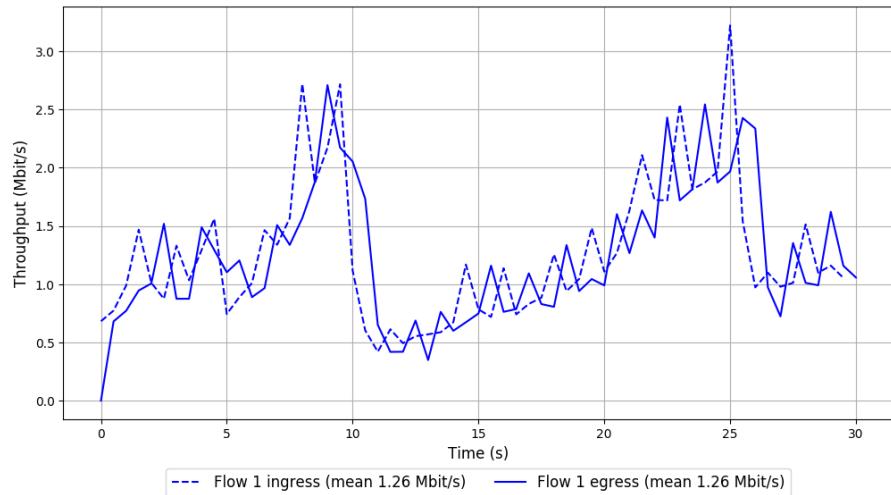


Run 1: Statistics of Sprout

```
Start at: 2019-01-18 18:55:14
End at: 2019-01-18 18:55:44
Local clock offset: -0.821 ms
Remote clock offset: -33.524 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 72.574 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.26 Mbit/s
95th percentile per-packet one-way delay: 72.574 ms
Loss rate: 0.00%
```

Run 1: Report of Sprout — Data Link

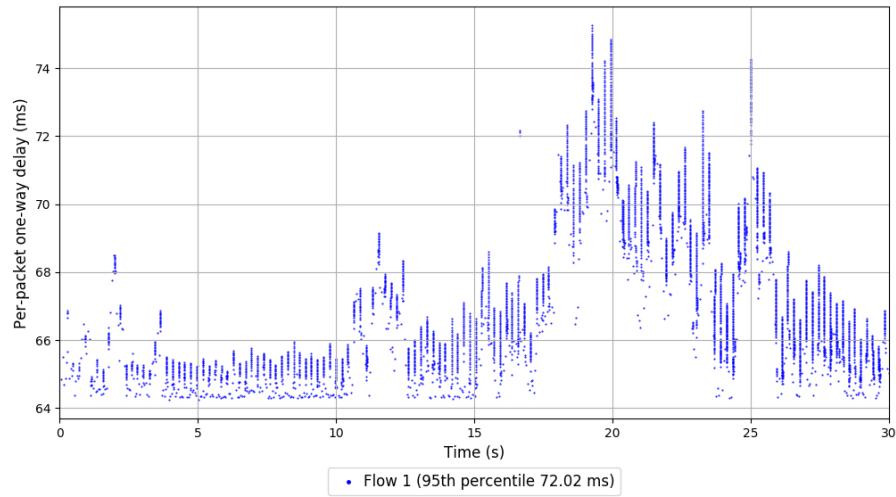
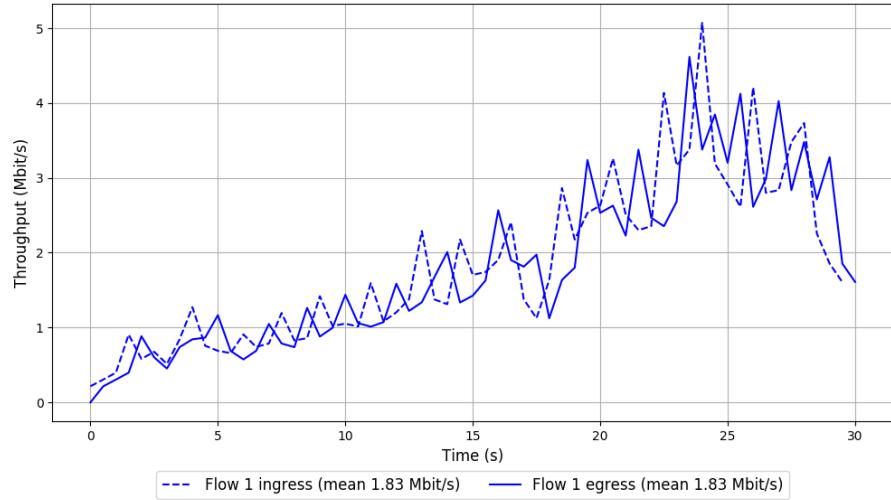


Run 2: Statistics of Sprout

```
Start at: 2019-01-18 19:21:55
End at: 2019-01-18 19:22:25
Local clock offset: 0.896 ms
Remote clock offset: -35.146 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 72.017 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.83 Mbit/s
95th percentile per-packet one-way delay: 72.017 ms
Loss rate: 0.00%
```

Run 2: Report of Sprout — Data Link

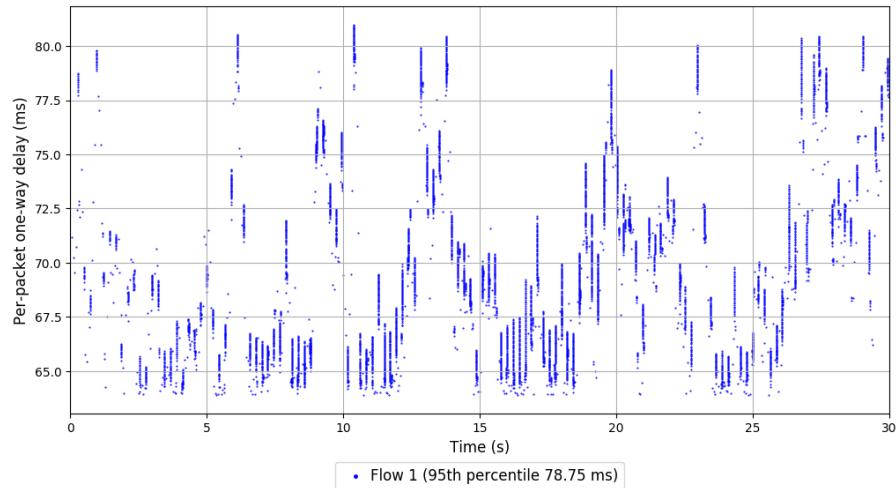
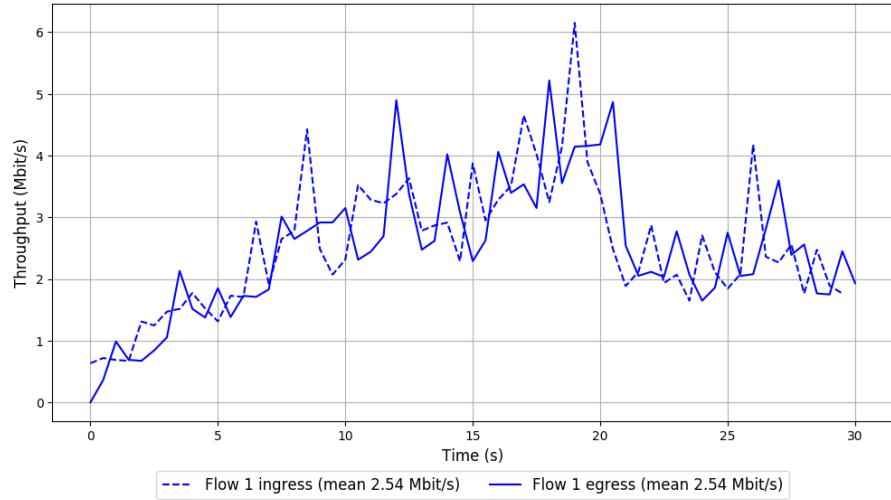


Run 3: Statistics of Sprout

```
Start at: 2019-01-18 20:03:14
End at: 2019-01-18 20:03:44
Local clock offset: -0.82 ms
Remote clock offset: -33.903 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 78.746 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 78.746 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

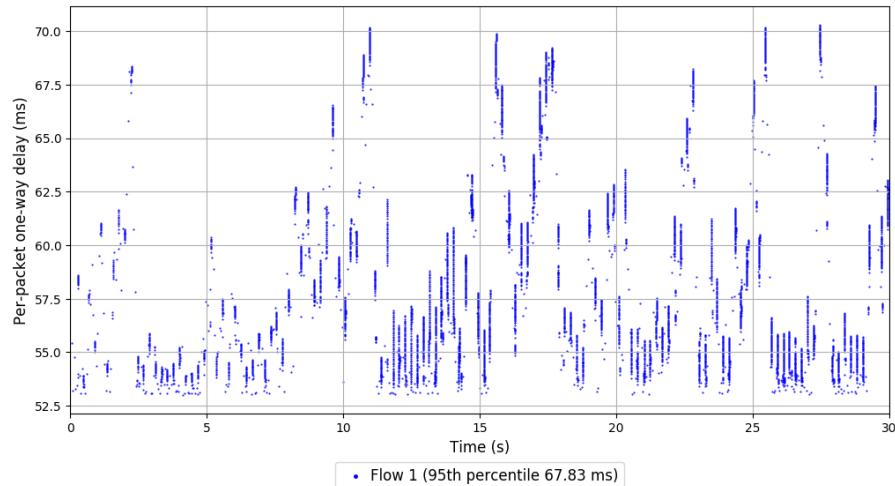
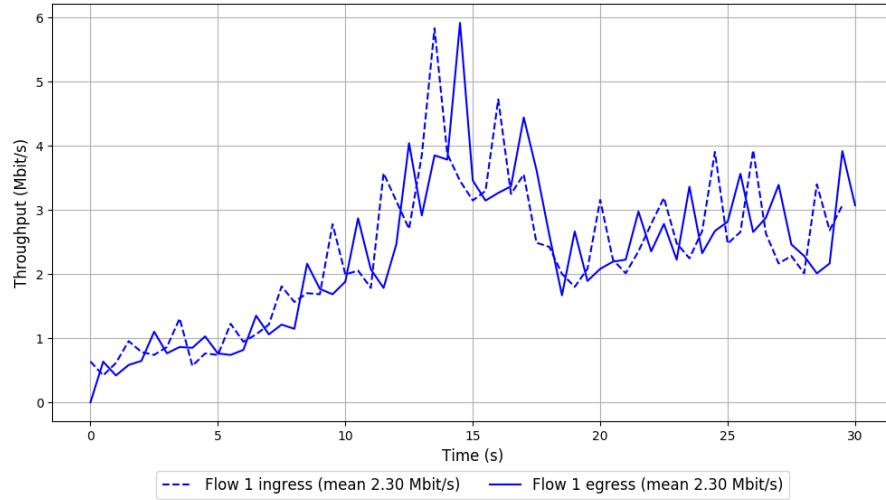


Run 4: Statistics of Sprout

```
Start at: 2019-01-18 20:35:35
End at: 2019-01-18 20:36:05
Local clock offset: -0.037 ms
Remote clock offset: -46.225 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 67.832 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.30 Mbit/s
95th percentile per-packet one-way delay: 67.832 ms
Loss rate: 0.00%
```

Run 4: Report of Sprout — Data Link

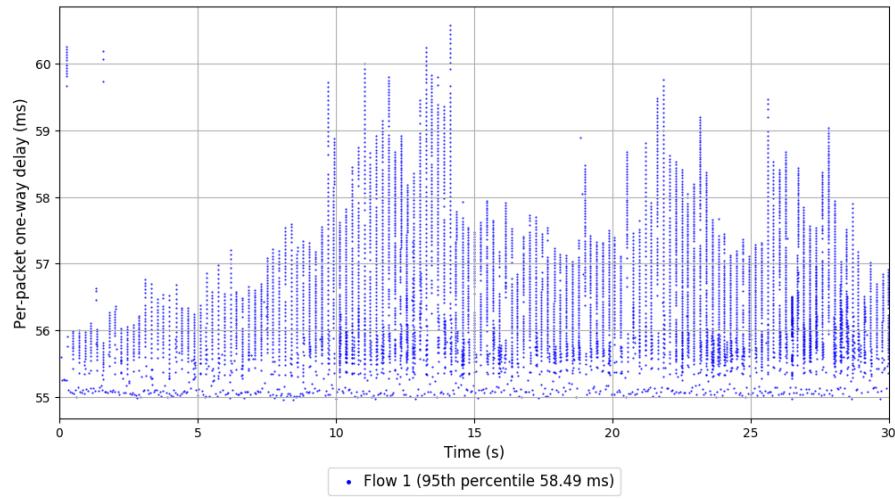
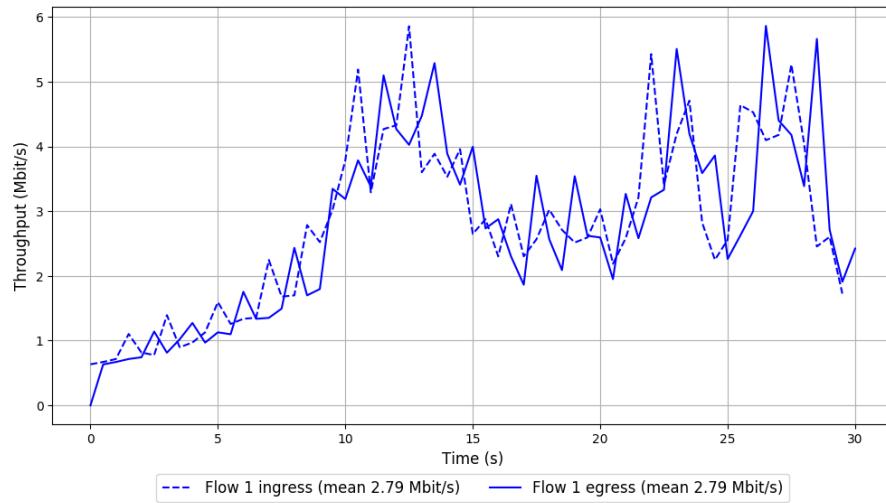


Run 5: Statistics of Sprout

```
Start at: 2019-01-18 21:17:57
End at: 2019-01-18 21:18:27
Local clock offset: -0.008 ms
Remote clock offset: -44.153 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.79 Mbit/s
95th percentile per-packet one-way delay: 58.486 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.79 Mbit/s
95th percentile per-packet one-way delay: 58.486 ms
Loss rate: 0.00%
```

Run 5: Report of Sprout — Data Link

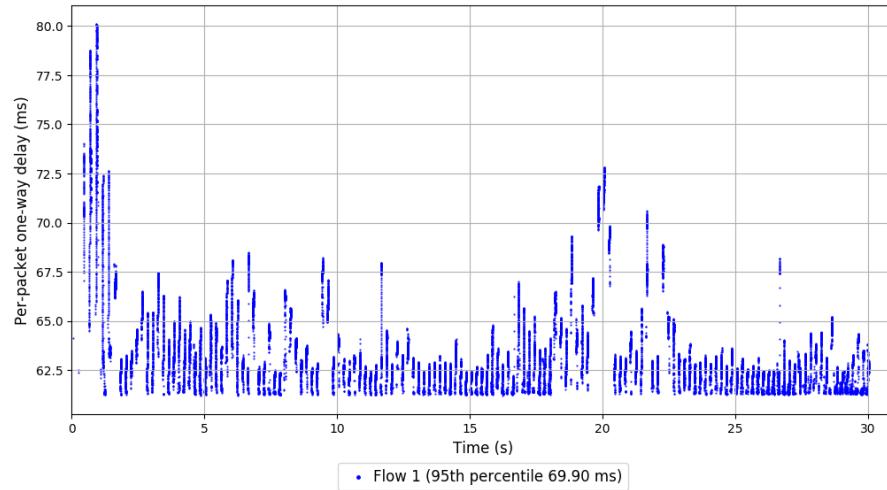
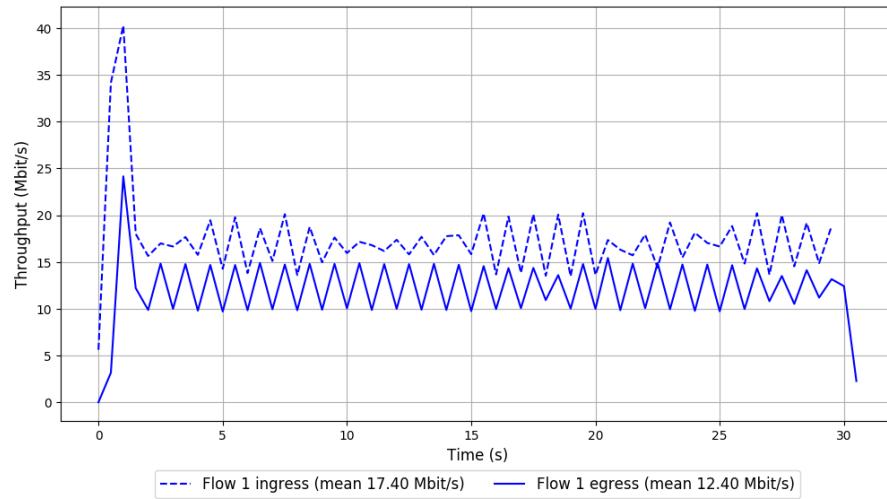


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-01-18 19:14:41
End at: 2019-01-18 19:15:11
Local clock offset: 2.033 ms
Remote clock offset: -37.283 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.40 Mbit/s
95th percentile per-packet one-way delay: 69.896 ms
Loss rate: 28.71%
-- Flow 1:
Average throughput: 12.40 Mbit/s
95th percentile per-packet one-way delay: 69.896 ms
Loss rate: 28.71%
```

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

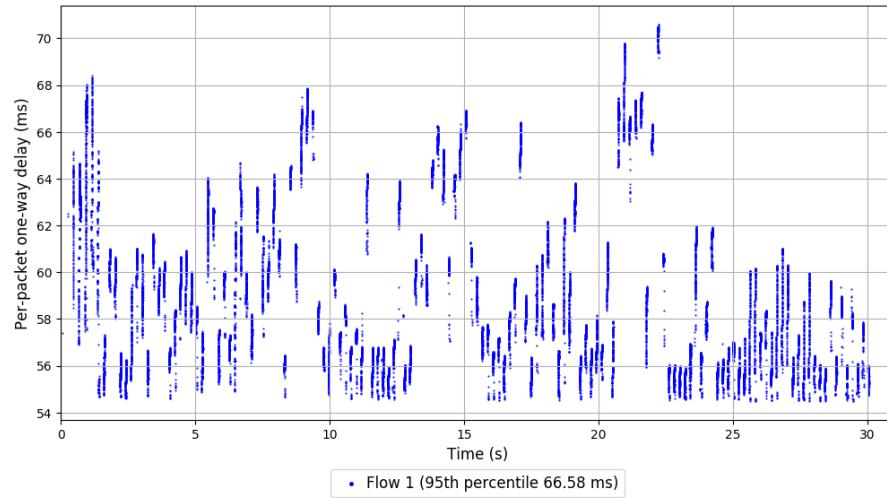
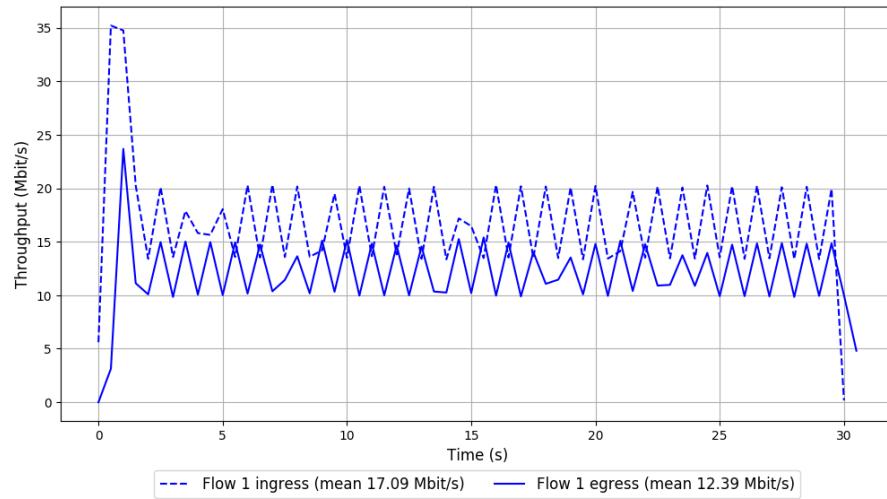


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-01-18 19:56:01
End at: 2019-01-18 19:56:31
Local clock offset: -1.079 ms
Remote clock offset: -44.43 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.39 Mbit/s
95th percentile per-packet one-way delay: 66.584 ms
Loss rate: 27.50%
-- Flow 1:
Average throughput: 12.39 Mbit/s
95th percentile per-packet one-way delay: 66.584 ms
Loss rate: 27.50%
```

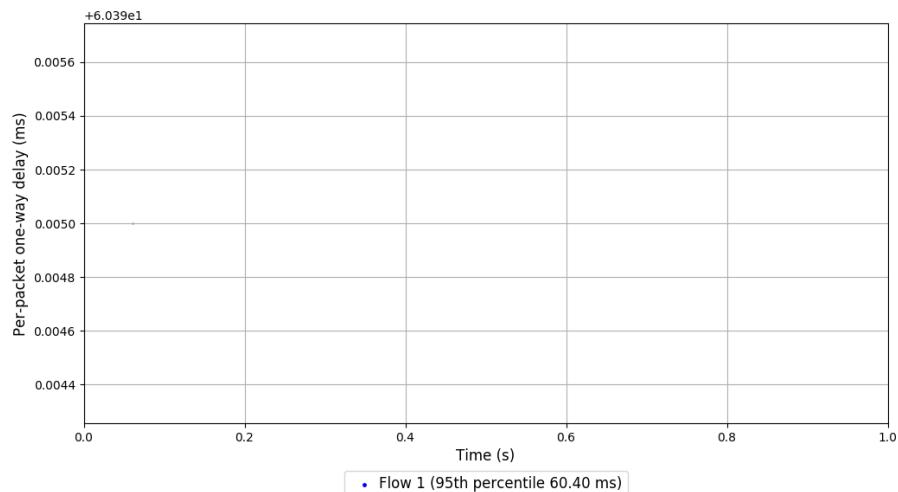
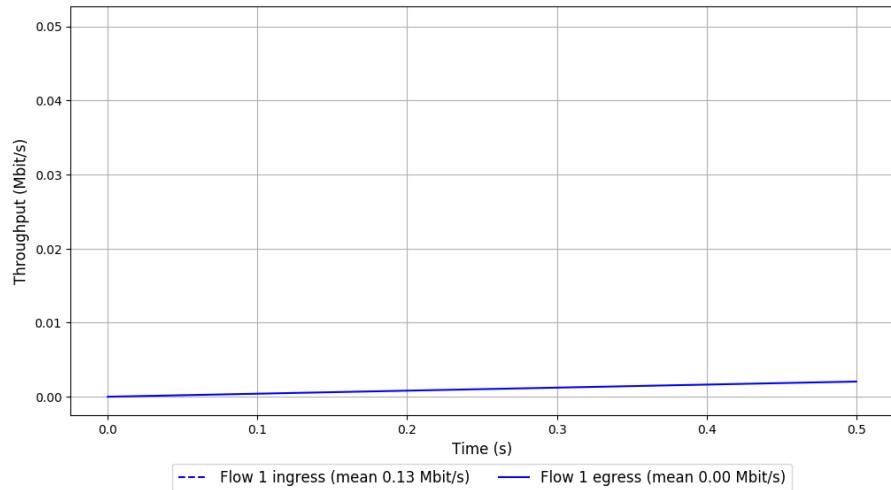
Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: 2019-01-18 20:28:09
End at: 2019-01-18 20:28:39
Local clock offset: -1.479 ms
Remote clock offset: -42.214 ms

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

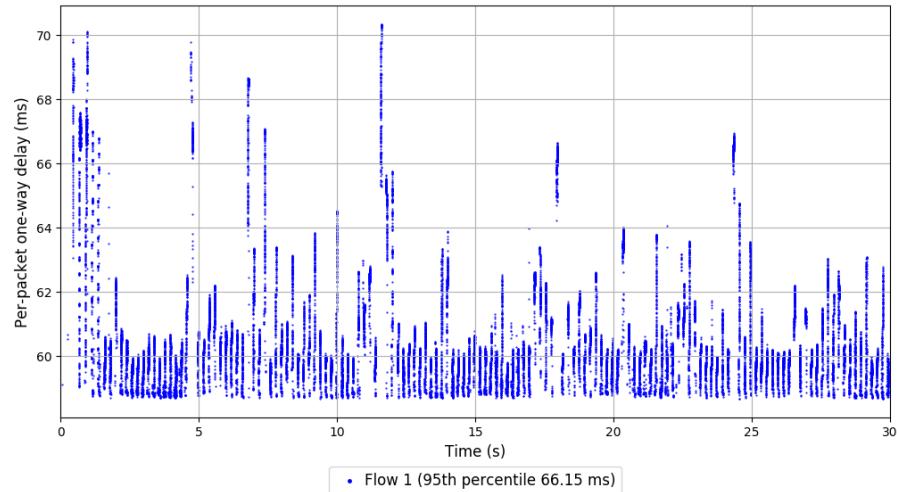
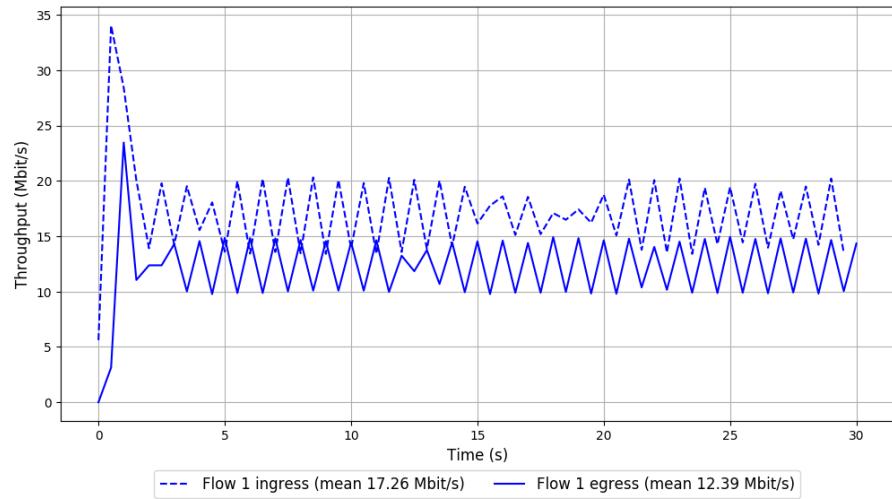


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-01-18 21:00:46
End at: 2019-01-18 21:01:16
Local clock offset: -1.827 ms
Remote clock offset: -42.263 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.39 Mbit/s
95th percentile per-packet one-way delay: 66.153 ms
Loss rate: 28.21%
-- Flow 1:
Average throughput: 12.39 Mbit/s
95th percentile per-packet one-way delay: 66.153 ms
Loss rate: 28.21%
```

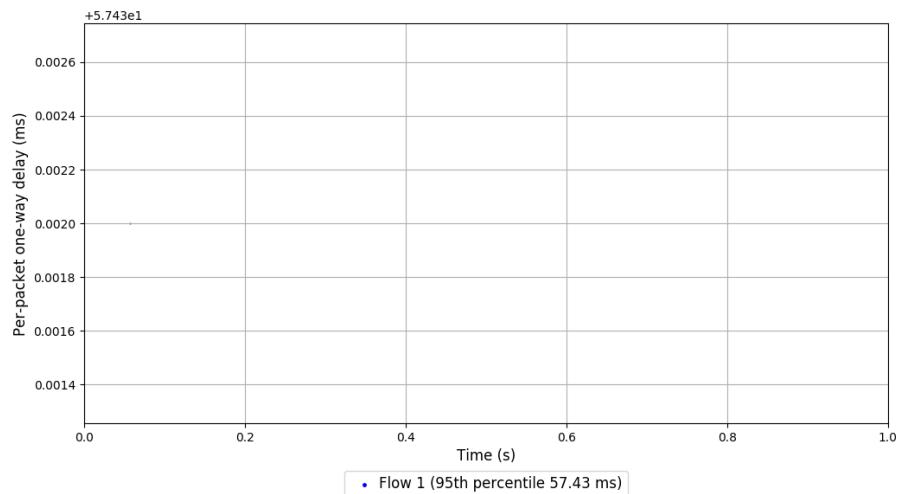
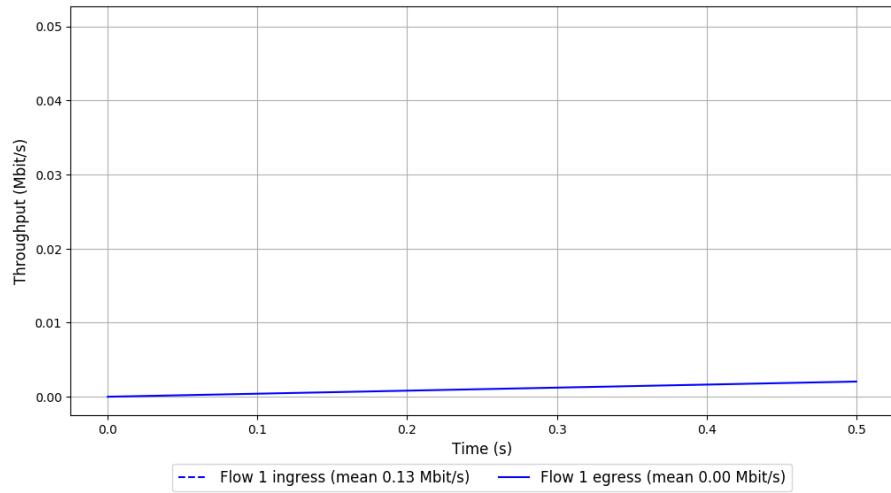
Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: 2019-01-18 21:54:21
End at: 2019-01-18 21:54:51
Local clock offset: 0.236 ms
Remote clock offset: -41.23 ms

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

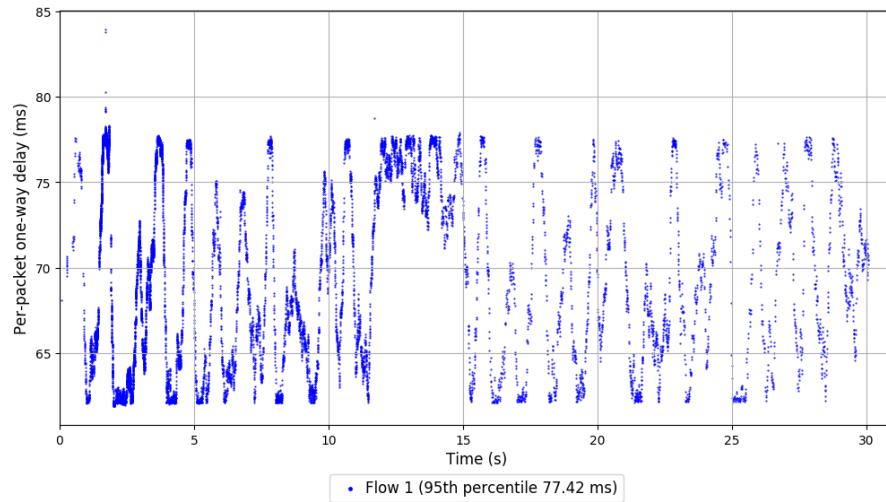
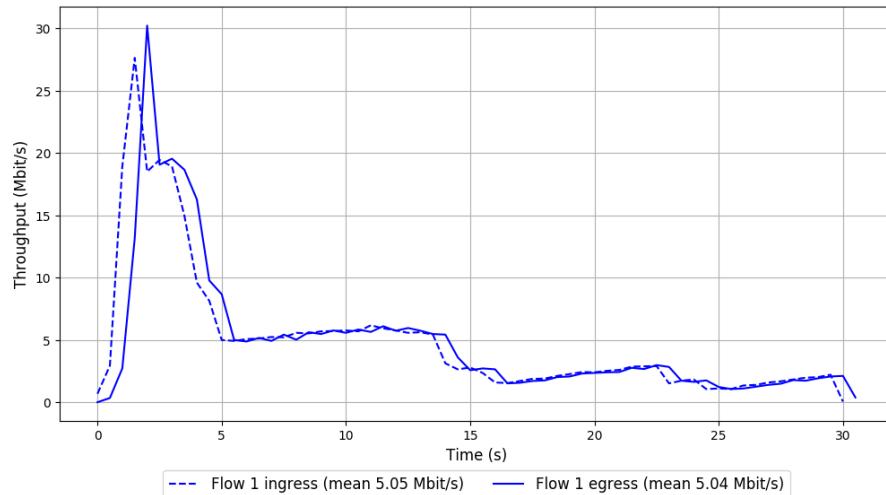


Run 1: Statistics of TCP Vegas

```
Start at: 2019-01-18 18:59:02
End at: 2019-01-18 18:59:32
Local clock offset: -1.524 ms
Remote clock offset: -38.227 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.04 Mbit/s
95th percentile per-packet one-way delay: 77.416 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 5.04 Mbit/s
95th percentile per-packet one-way delay: 77.416 ms
Loss rate: 0.29%
```

Run 1: Report of TCP Vegas — Data Link

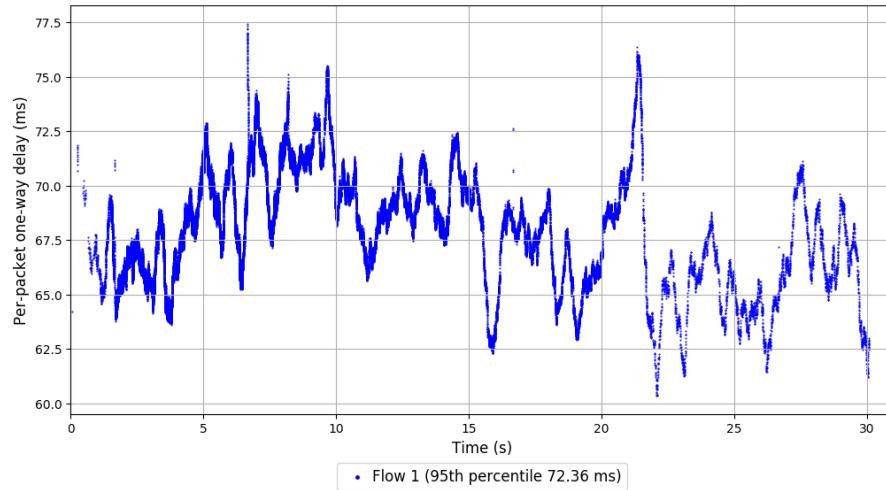
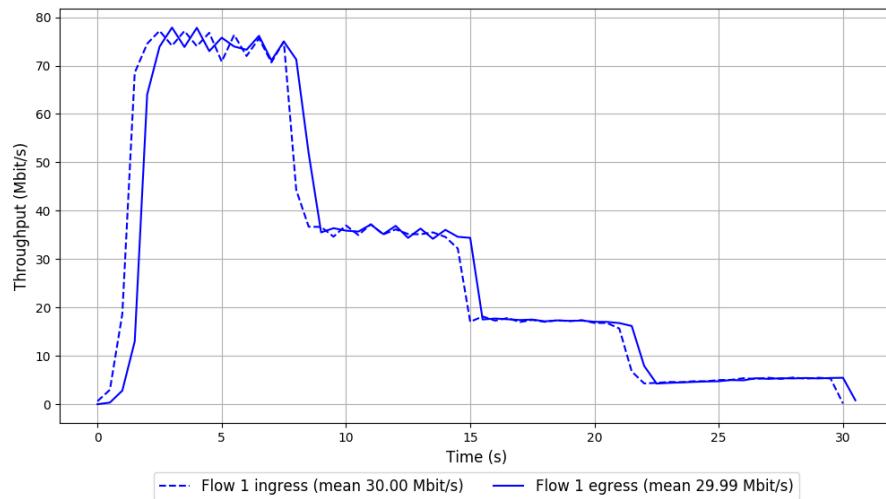


Run 2: Statistics of TCP Vegas

```
Start at: 2019-01-18 19:40:29
End at: 2019-01-18 19:40:59
Local clock offset: 2.28 ms
Remote clock offset: -38.182 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.99 Mbit/s
95th percentile per-packet one-way delay: 72.357 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 29.99 Mbit/s
95th percentile per-packet one-way delay: 72.357 ms
Loss rate: 0.01%
```

Run 2: Report of TCP Vegas — Data Link

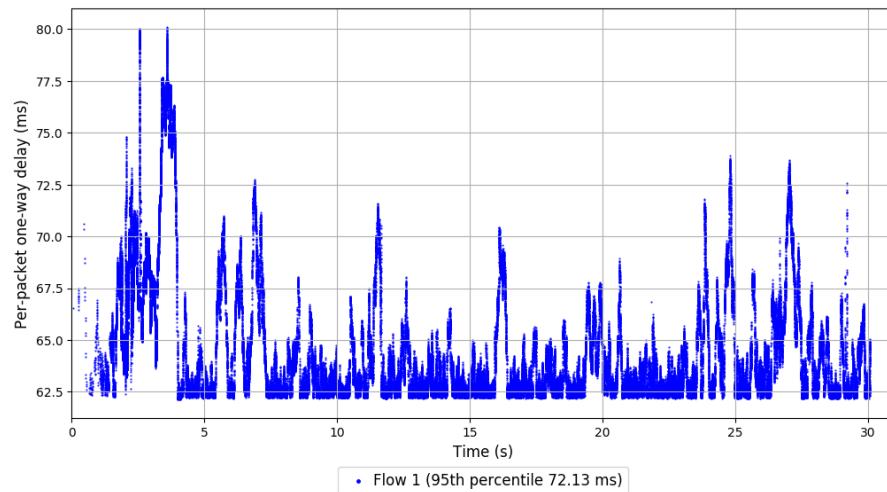
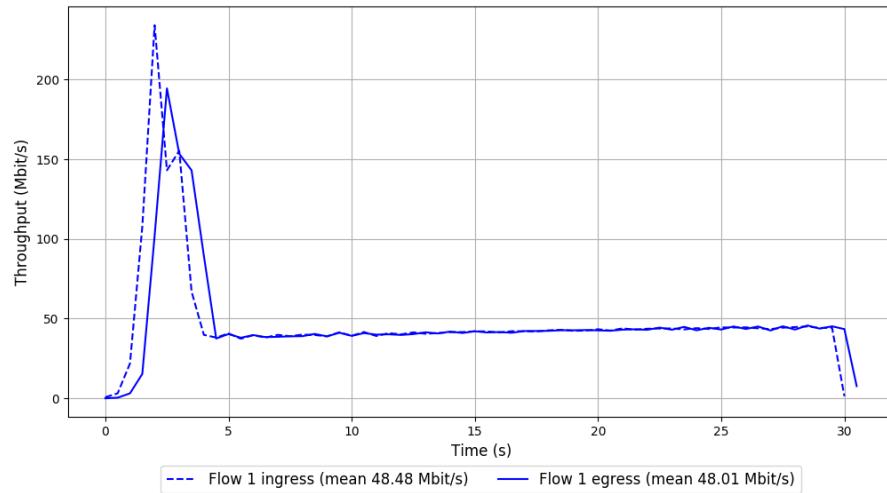


Run 3: Statistics of TCP Vegas

```
Start at: 2019-01-18 20:07:04
End at: 2019-01-18 20:07:34
Local clock offset: -3.39 ms
Remote clock offset: -37.95 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.01 Mbit/s
95th percentile per-packet one-way delay: 72.130 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 48.01 Mbit/s
95th percentile per-packet one-way delay: 72.130 ms
Loss rate: 0.98%
```

Run 3: Report of TCP Vegas — Data Link

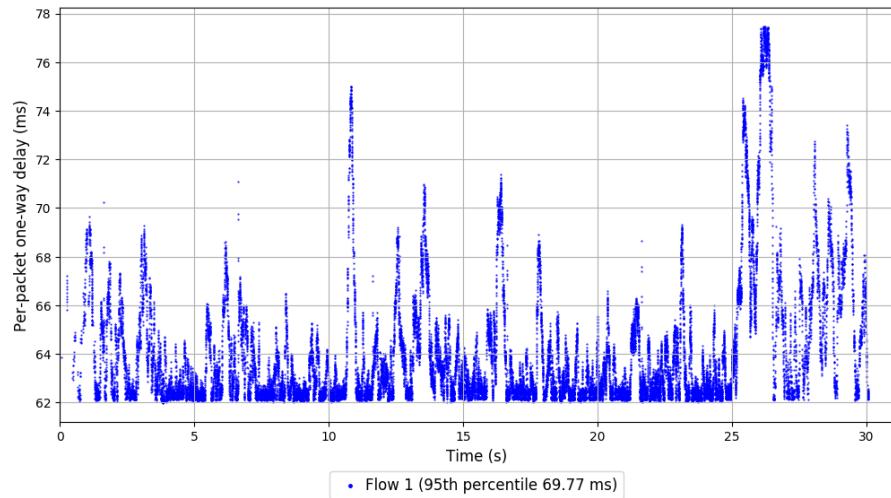
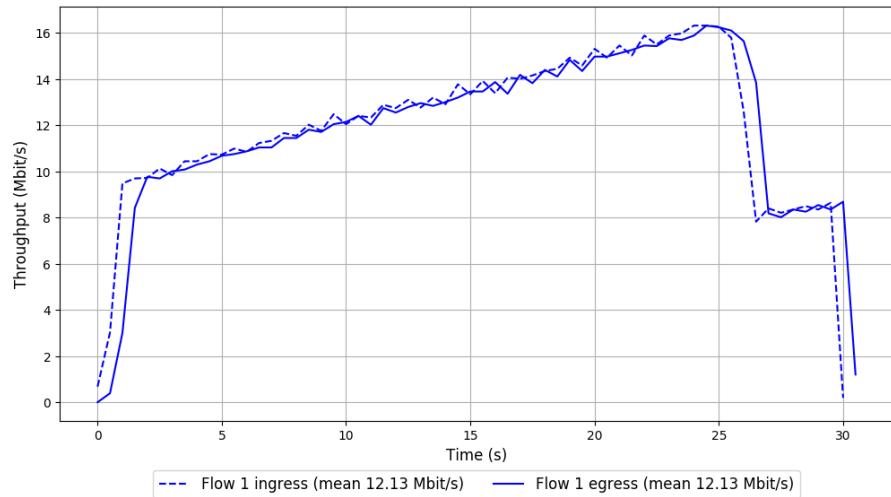


Run 4: Statistics of TCP Vegas

```
Start at: 2019-01-18 20:44:56
End at: 2019-01-18 20:45:26
Local clock offset: 0.21 ms
Remote clock offset: -39.796 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 69.772 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 12.13 Mbit/s
95th percentile per-packet one-way delay: 69.772 ms
Loss rate: 0.02%
```

Run 4: Report of TCP Vegas — Data Link

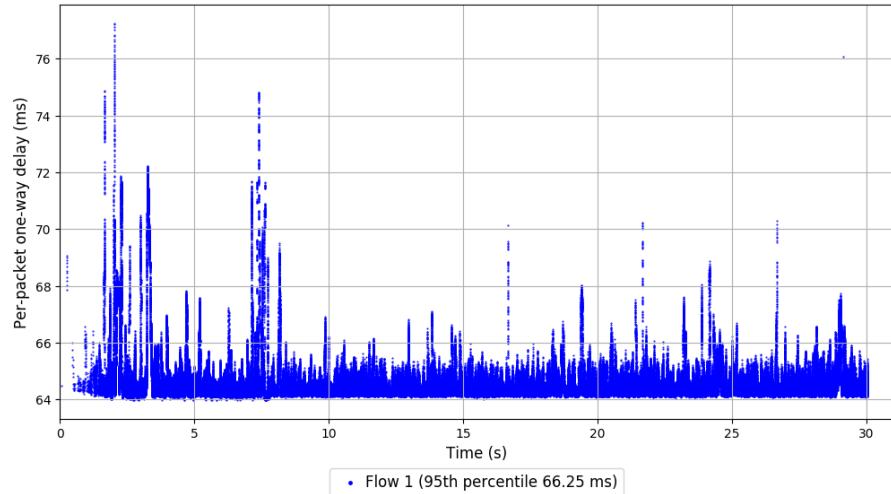
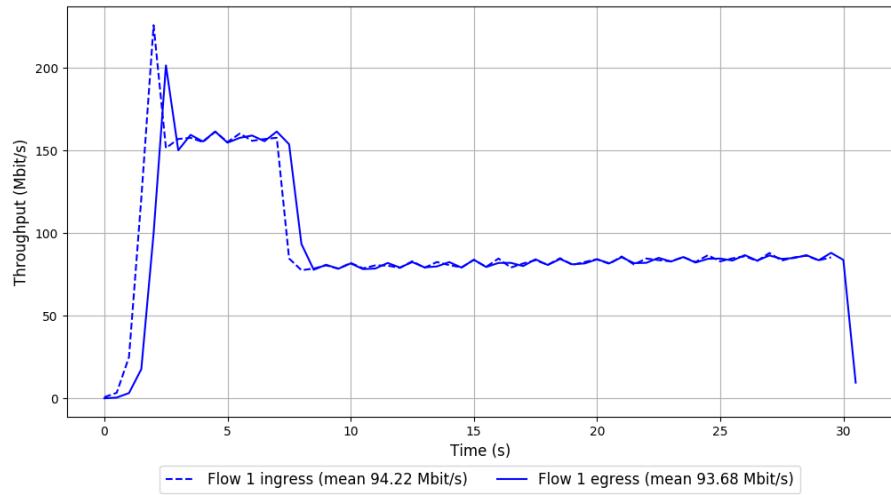


Run 5: Statistics of TCP Vegas

```
Start at: 2019-01-18 21:27:22
End at: 2019-01-18 21:27:52
Local clock offset: 0.191 ms
Remote clock offset: -34.773 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.68 Mbit/s
95th percentile per-packet one-way delay: 66.254 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 93.68 Mbit/s
95th percentile per-packet one-way delay: 66.254 ms
Loss rate: 0.57%
```

Run 5: Report of TCP Vegas — Data Link

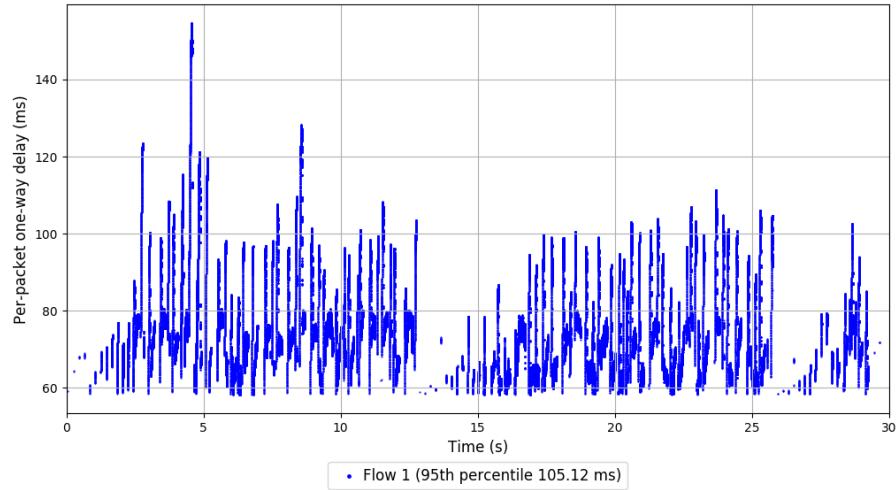
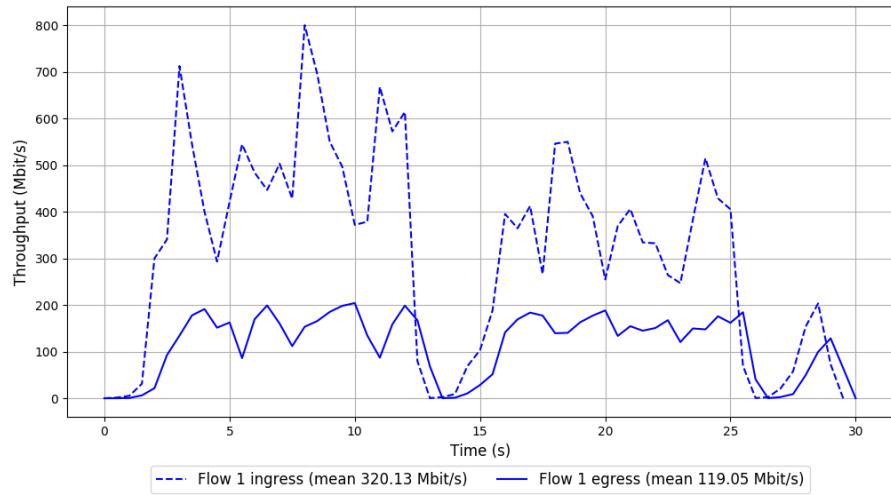


Run 1: Statistics of Verus

```
Start at: 2019-01-18 19:00:13
End at: 2019-01-18 19:00:43
Local clock offset: 0.382 ms
Remote clock offset: -40.363 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 119.05 Mbit/s
95th percentile per-packet one-way delay: 105.121 ms
Loss rate: 62.80%
-- Flow 1:
Average throughput: 119.05 Mbit/s
95th percentile per-packet one-way delay: 105.121 ms
Loss rate: 62.80%
```

Run 1: Report of Verus — Data Link

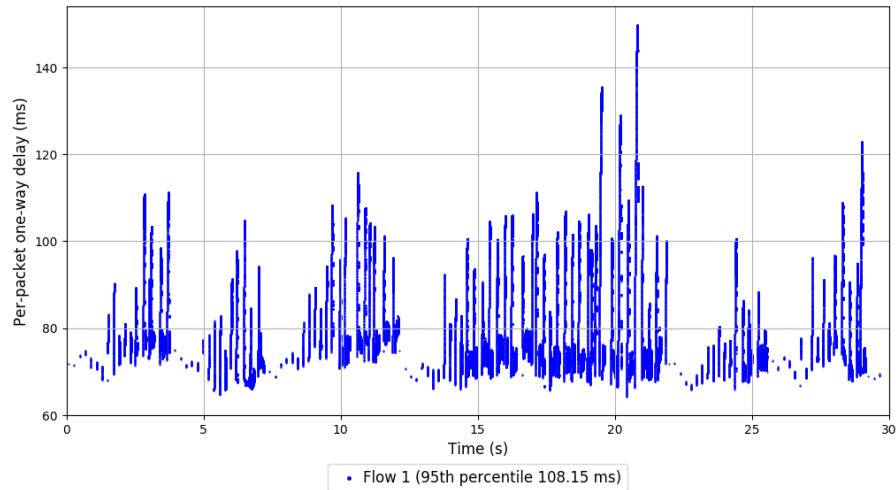
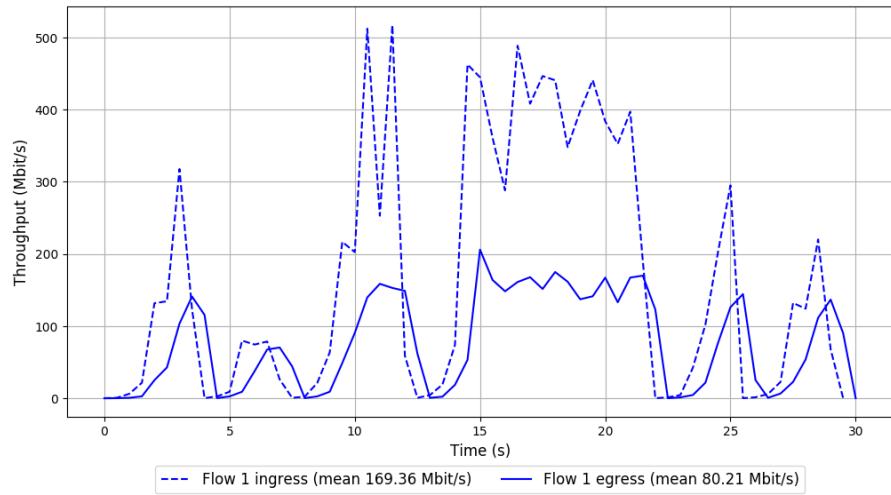


Run 2: Statistics of Verus

```
Start at: 2019-01-18 19:41:41
End at: 2019-01-18 19:42:11
Local clock offset: 1.215 ms
Remote clock offset: -39.362 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.21 Mbit/s
95th percentile per-packet one-way delay: 108.147 ms
Loss rate: 52.64%
-- Flow 1:
Average throughput: 80.21 Mbit/s
95th percentile per-packet one-way delay: 108.147 ms
Loss rate: 52.64%
```

Run 2: Report of Verus — Data Link

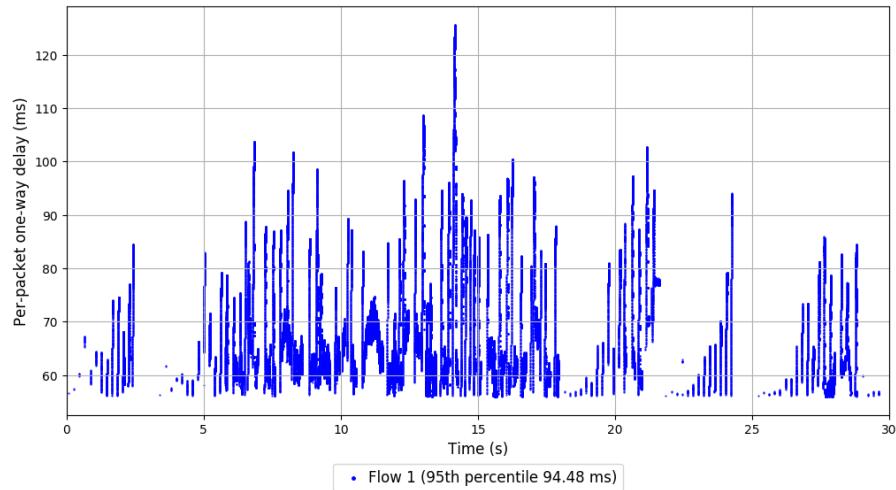
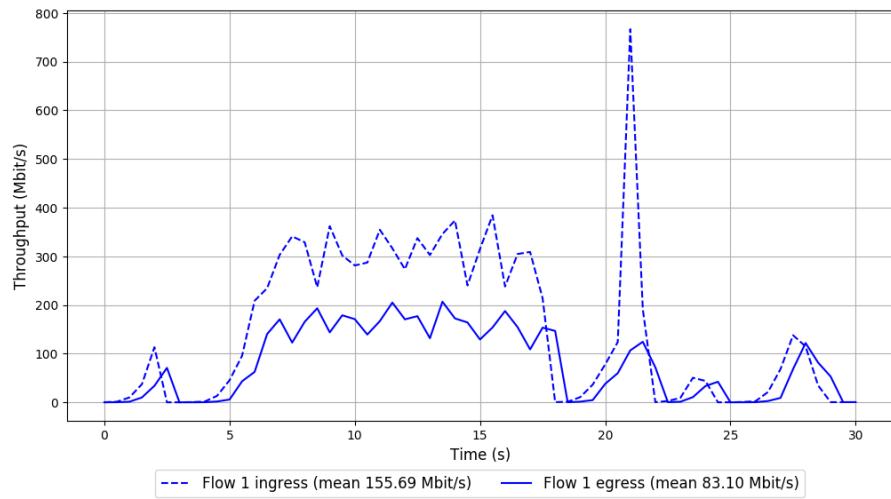


Run 3: Statistics of Verus

```
Start at: 2019-01-18 20:08:17
End at: 2019-01-18 20:08:47
Local clock offset: -2.635 ms
Remote clock offset: -45.636 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.10 Mbit/s
95th percentile per-packet one-way delay: 94.484 ms
Loss rate: 46.62%
-- Flow 1:
Average throughput: 83.10 Mbit/s
95th percentile per-packet one-way delay: 94.484 ms
Loss rate: 46.62%
```

Run 3: Report of Verus — Data Link

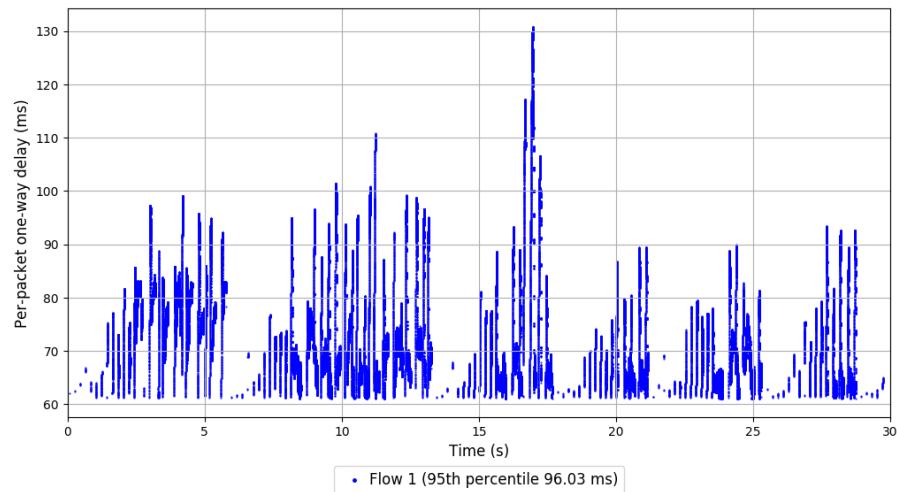
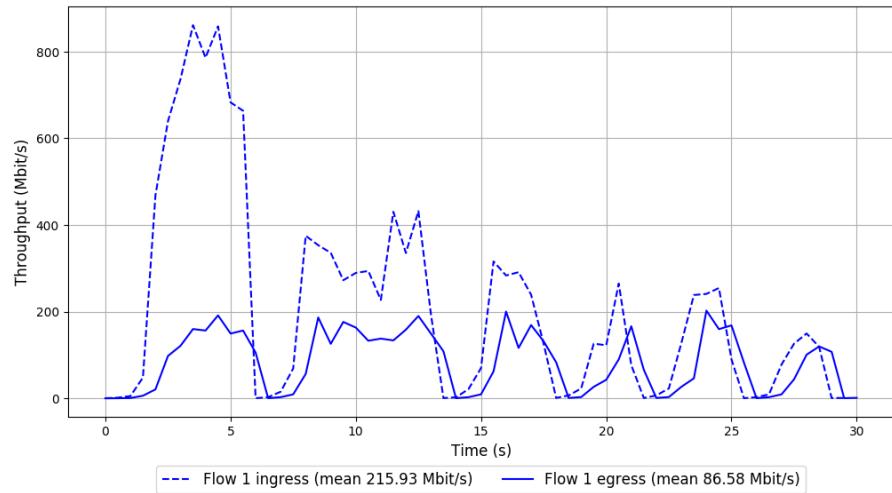


Run 4: Statistics of Verus

```
Start at: 2019-01-18 20:46:12
End at: 2019-01-18 20:46:42
Local clock offset: -1.008 ms
Remote clock offset: -39.601 ms

# Below is generated by plot.py at 2019-01-18 22:19:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.58 Mbit/s
95th percentile per-packet one-way delay: 96.034 ms
Loss rate: 59.90%
-- Flow 1:
Average throughput: 86.58 Mbit/s
95th percentile per-packet one-way delay: 96.034 ms
Loss rate: 59.90%
```

Run 4: Report of Verus — Data Link

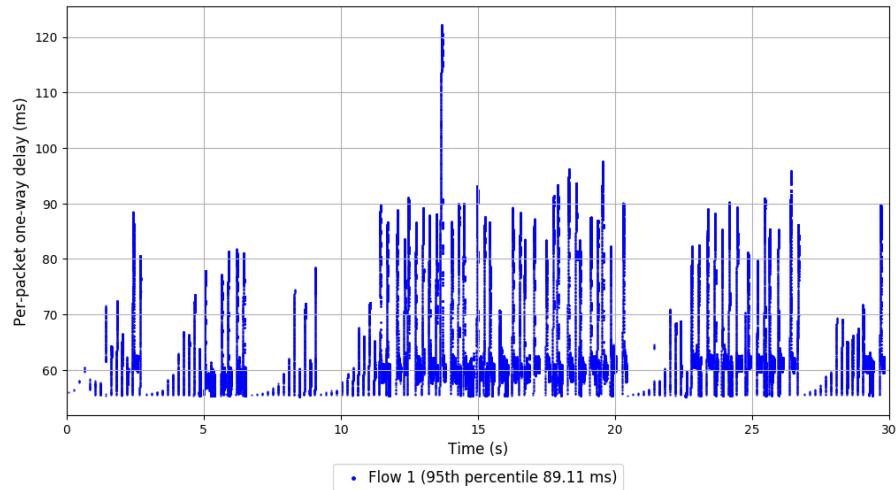
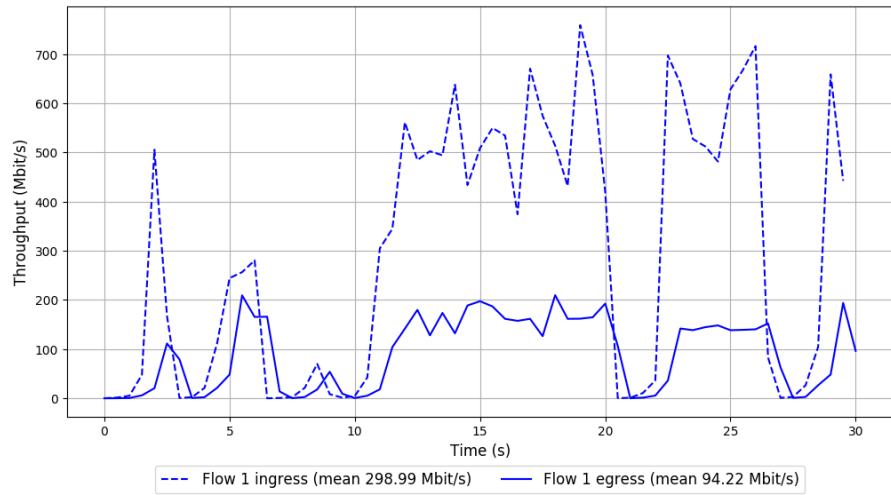


Run 5: Statistics of Verus

```
Start at: 2019-01-18 21:28:37
End at: 2019-01-18 21:29:07
Local clock offset: -0.857 ms
Remote clock offset: -44.594 ms

# Below is generated by plot.py at 2019-01-18 22:19:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.22 Mbit/s
95th percentile per-packet one-way delay: 89.114 ms
Loss rate: 68.48%
-- Flow 1:
Average throughput: 94.22 Mbit/s
95th percentile per-packet one-way delay: 89.114 ms
Loss rate: 68.48%
```

Run 5: Report of Verus — Data Link

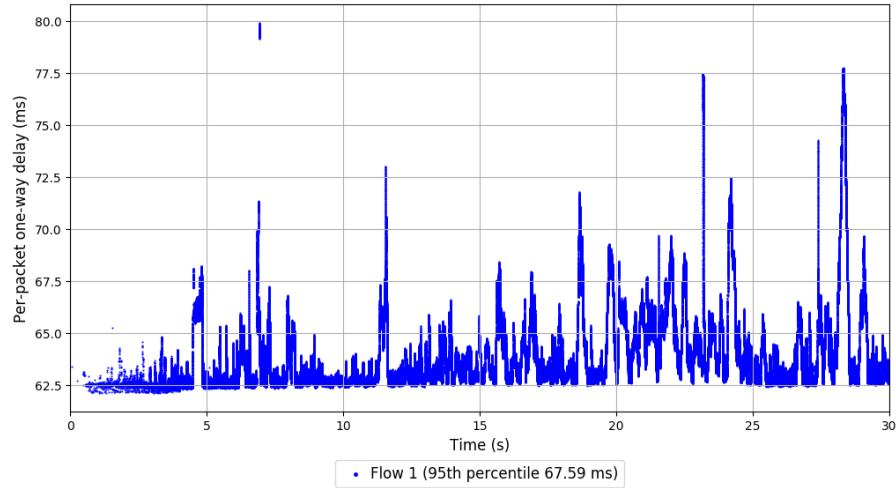
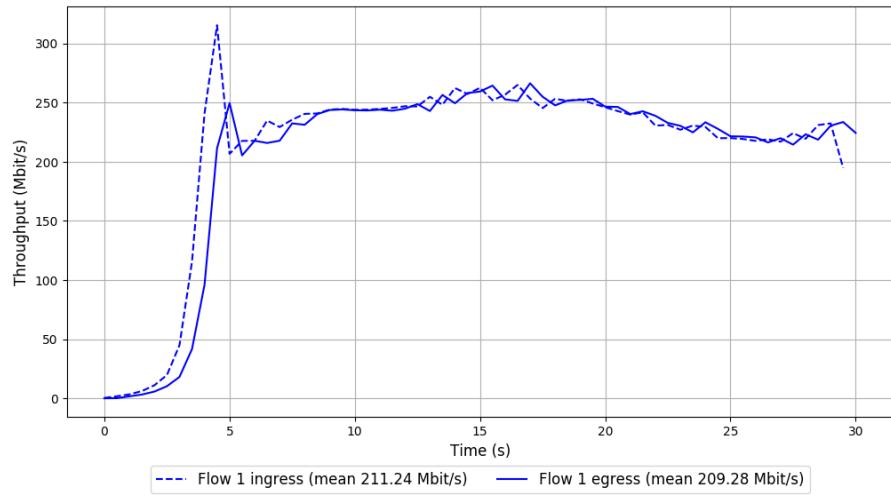


```
Run 1: Statistics of PCC-Vivace

Start at: 2019-01-18 18:51:29
End at: 2019-01-18 18:51:59
Local clock offset: -2.712 ms
Remote clock offset: -39.714 ms

# Below is generated by plot.py at 2019-01-18 22:19:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 209.28 Mbit/s
95th percentile per-packet one-way delay: 67.591 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 209.28 Mbit/s
95th percentile per-packet one-way delay: 67.591 ms
Loss rate: 0.93%
```

Run 1: Report of PCC-Vivace — Data Link

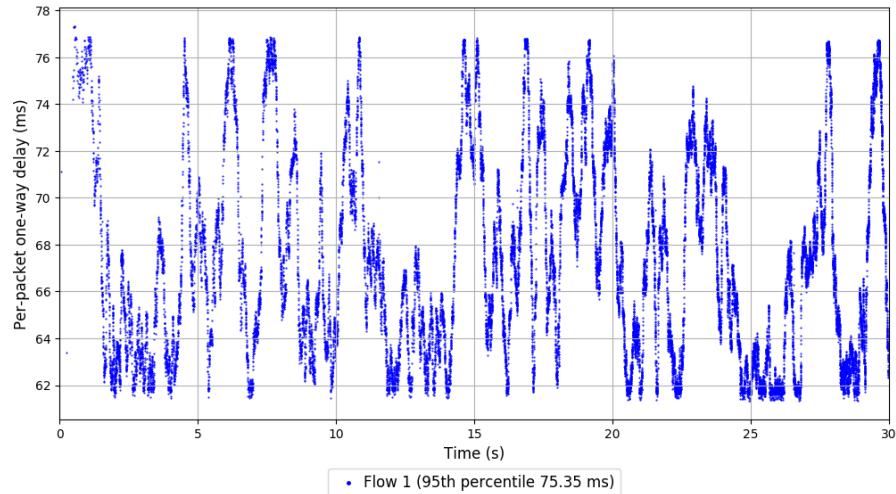
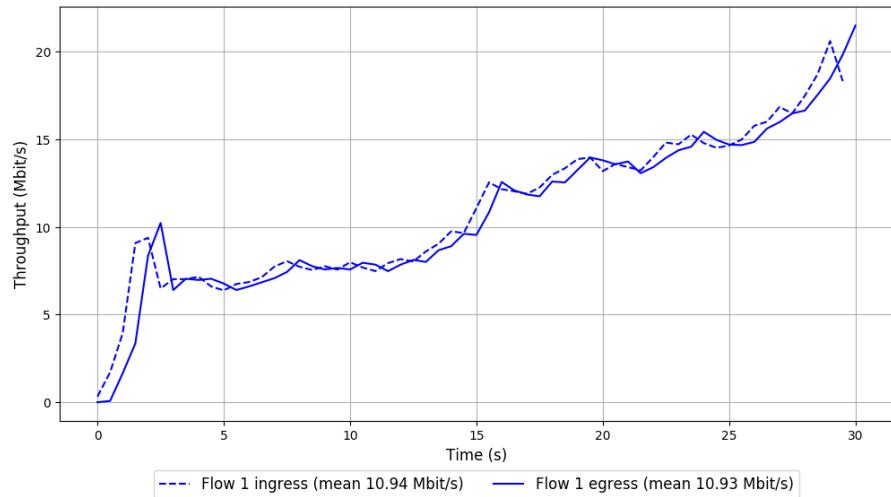


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-01-18 19:18:20
End at: 2019-01-18 19:18:50
Local clock offset: 0.615 ms
Remote clock offset: -38.234 ms

# Below is generated by plot.py at 2019-01-18 22:19:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.93 Mbit/s
95th percentile per-packet one-way delay: 75.354 ms
Loss rate: 0.08%
-- Flow 1:
Average throughput: 10.93 Mbit/s
95th percentile per-packet one-way delay: 75.354 ms
Loss rate: 0.08%
```

Run 2: Report of PCC-Vivace — Data Link

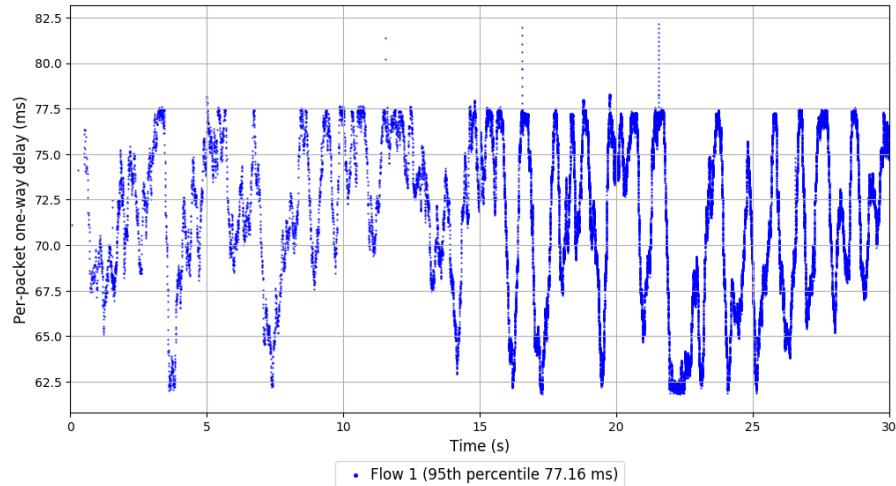
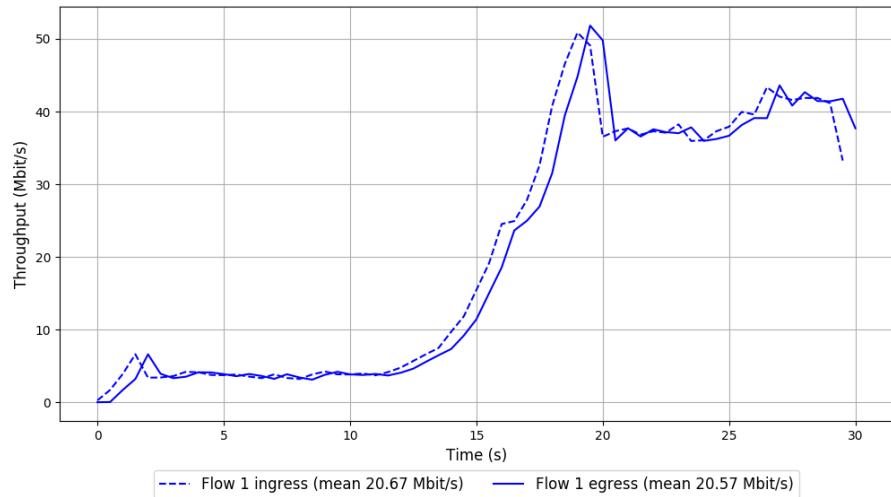


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-01-18 19:59:41
End at: 2019-01-18 20:00:11
Local clock offset: -0.786 ms
Remote clock offset: -38.657 ms

# Below is generated by plot.py at 2019-01-18 22:19:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.57 Mbit/s
95th percentile per-packet one-way delay: 77.163 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 20.57 Mbit/s
95th percentile per-packet one-way delay: 77.163 ms
Loss rate: 0.49%
```

Run 3: Report of PCC-Vivace — Data Link

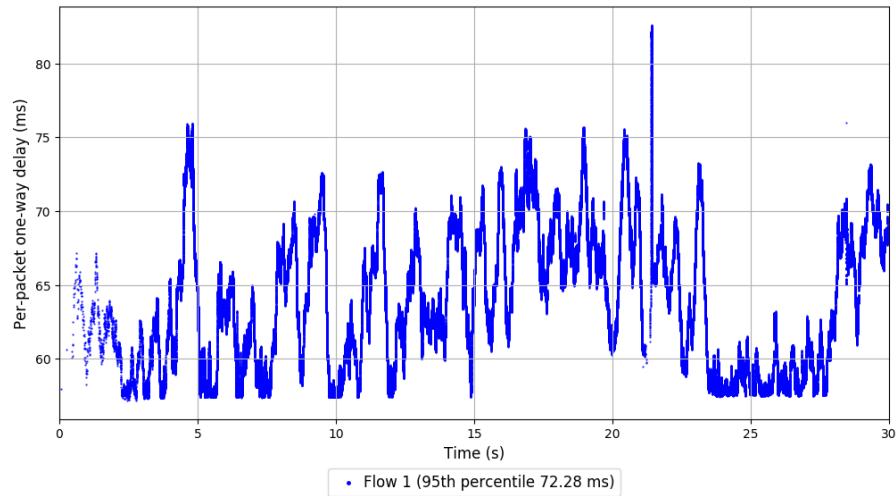
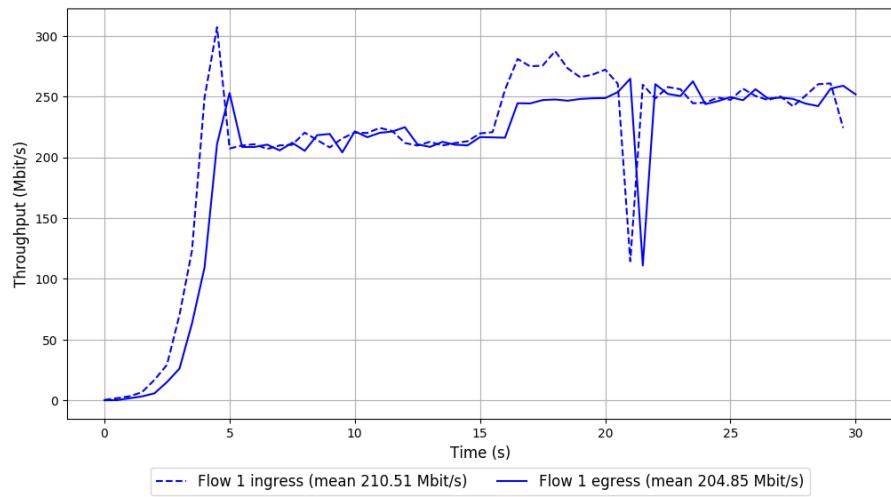


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-01-18 20:31:48
End at: 2019-01-18 20:32:18
Local clock offset: 1.356 ms
Remote clock offset: -40.286 ms

# Below is generated by plot.py at 2019-01-18 22:19:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.85 Mbit/s
95th percentile per-packet one-way delay: 72.283 ms
Loss rate: 2.68%
-- Flow 1:
Average throughput: 204.85 Mbit/s
95th percentile per-packet one-way delay: 72.283 ms
Loss rate: 2.68%
```

Run 4: Report of PCC-Vivace — Data Link

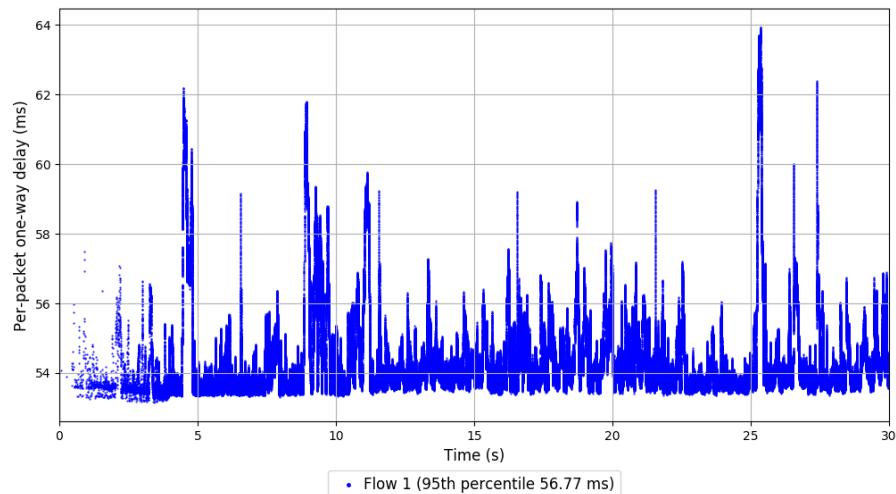
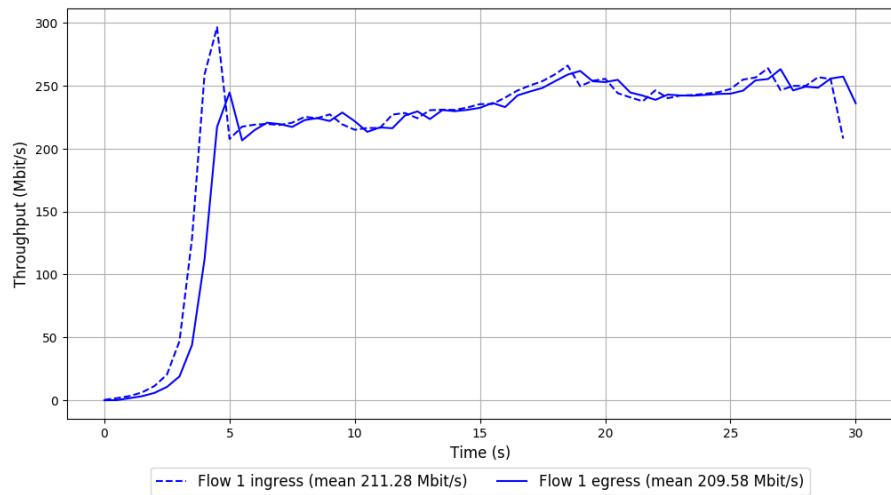


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-01-18 21:14:12
End at: 2019-01-18 21:14:42
Local clock offset: 0.569 ms
Remote clock offset: -45.202 ms

# Below is generated by plot.py at 2019-01-18 22:19:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 209.58 Mbit/s
95th percentile per-packet one-way delay: 56.775 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 209.58 Mbit/s
95th percentile per-packet one-way delay: 56.775 ms
Loss rate: 0.80%
```

Run 5: Report of PCC-Vivace — Data Link

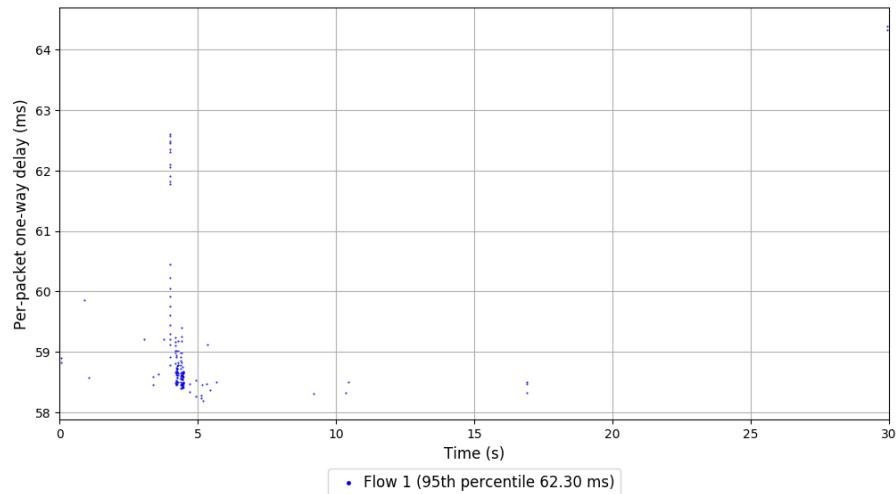
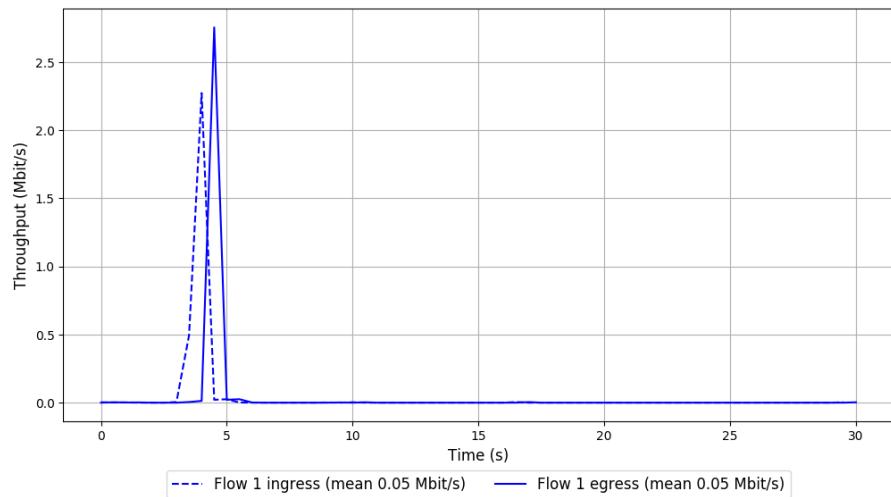


```
Run 1: Statistics of WebRTC media

Start at: 2019-01-18 19:15:53
End at: 2019-01-18 19:16:23
Local clock offset: 2.958 ms
Remote clock offset: -39.495 ms

# Below is generated by plot.py at 2019-01-18 22:19:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.305 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 62.305 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

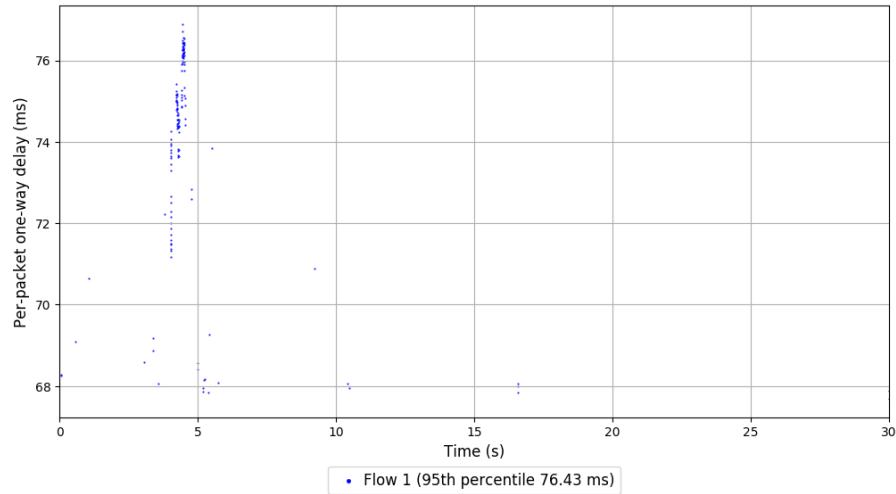
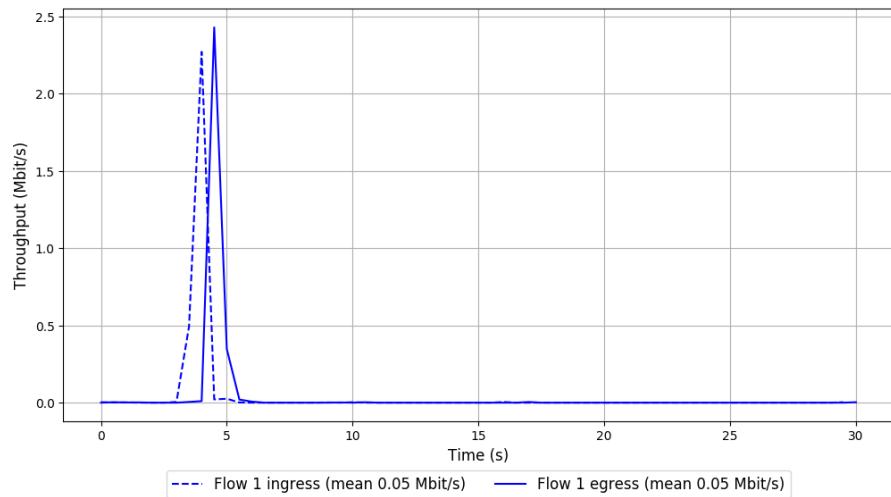


Run 2: Statistics of WebRTC media

```
Start at: 2019-01-18 19:57:13
End at: 2019-01-18 19:57:43
Local clock offset: -1.753 ms
Remote clock offset: -33.99 ms

# Below is generated by plot.py at 2019-01-18 22:19:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 76.431 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 76.431 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

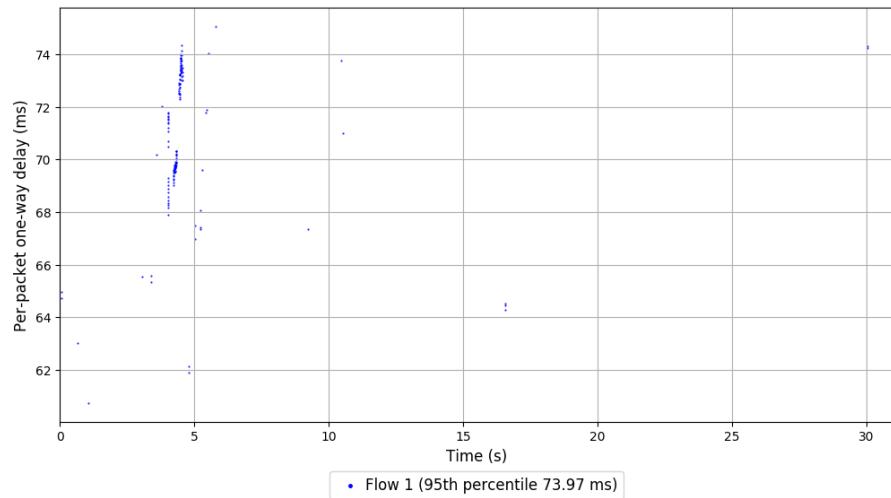
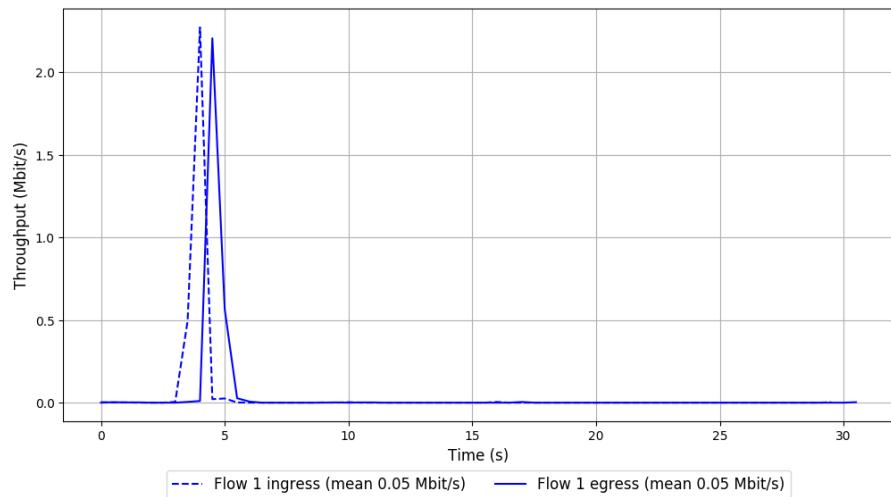


```
Run 3: Statistics of WebRTC media

Start at: 2019-01-18 20:29:18
End at: 2019-01-18 20:29:48
Local clock offset: -0.986 ms
Remote clock offset: -39.783 ms

# Below is generated by plot.py at 2019-01-18 22:19:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 73.974 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 73.974 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

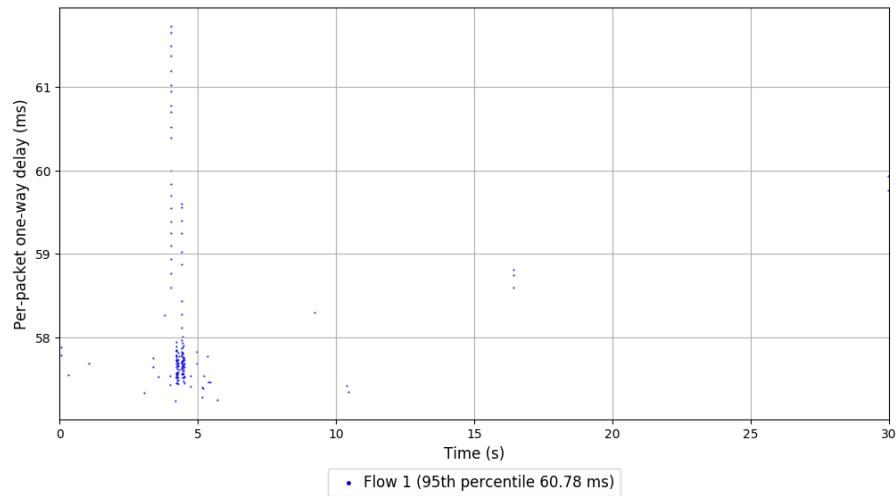
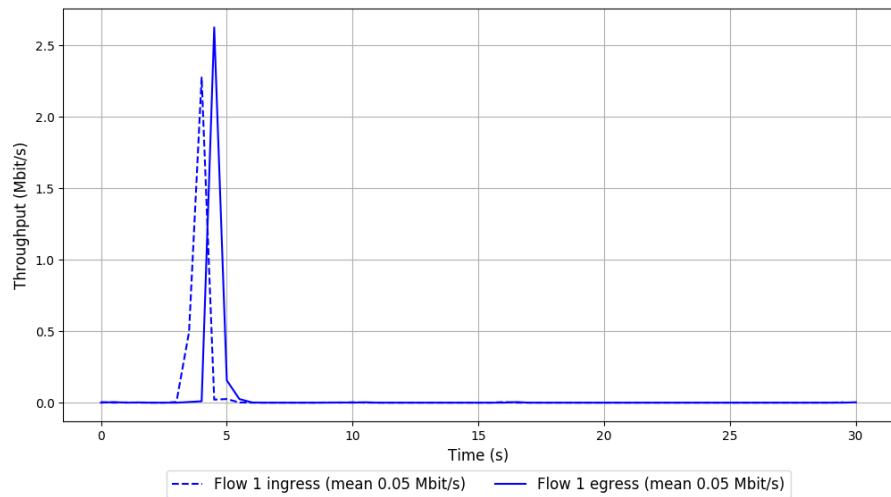


Run 4: Statistics of WebRTC media

```
Start at: 2019-01-18 21:01:58
End at: 2019-01-18 21:02:29
Local clock offset: -1.218 ms
Remote clock offset: -43.035 ms

# Below is generated by plot.py at 2019-01-18 22:19:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.783 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 60.783 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



```
Run 5: Statistics of WebRTC media

Start at: 2019-01-18 21:55:31
End at: 2019-01-18 21:56:01
Local clock offset: -1.607 ms
Remote clock offset: -40.616 ms

# Below is generated by plot.py at 2019-01-18 22:19:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.242 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 63.242 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

