

Pantheon Report

Generated at 2019-01-18 20:59:35 (UTC).
Data path: AWS India 1 on `ens5` (*local*) → India on `em1` (*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:

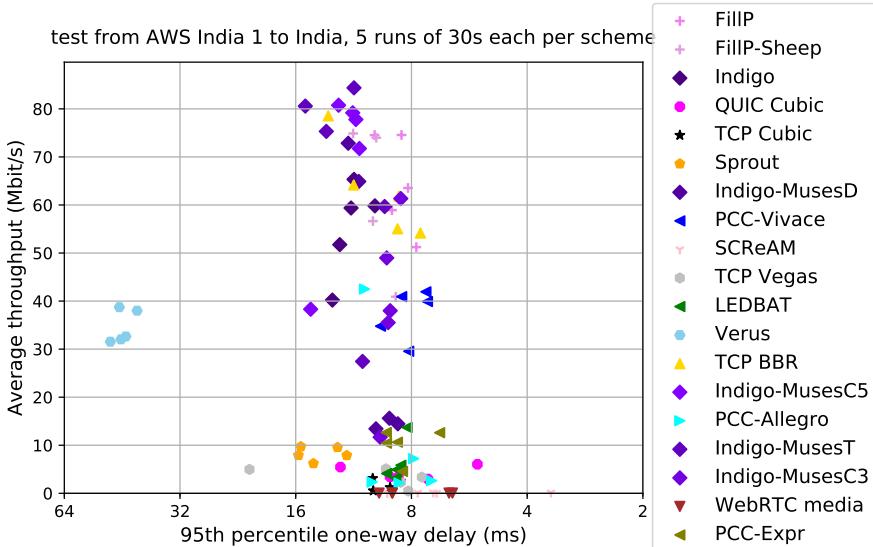
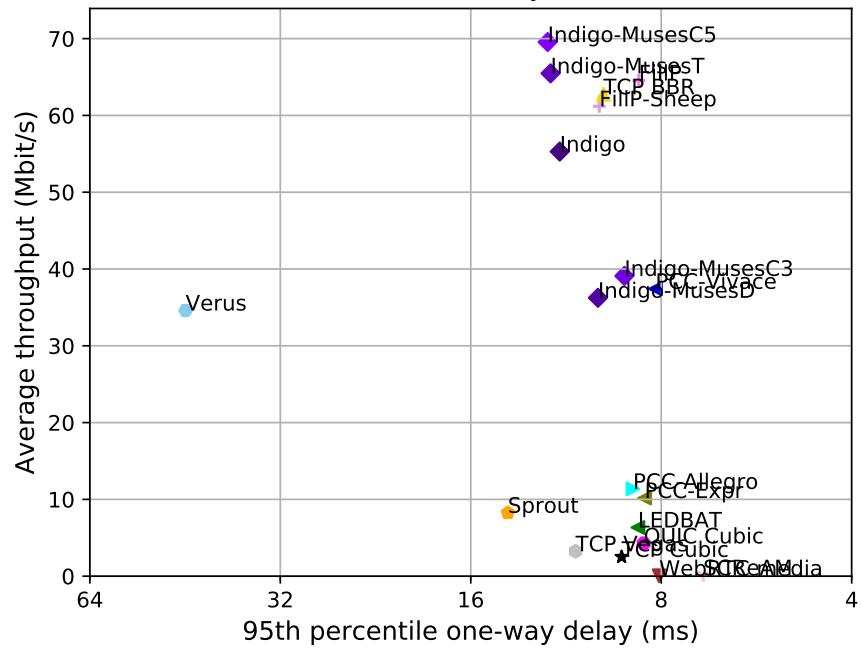
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

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 1 to India, 5 runs of 30s each per scheme
(mean of all runs by scheme)



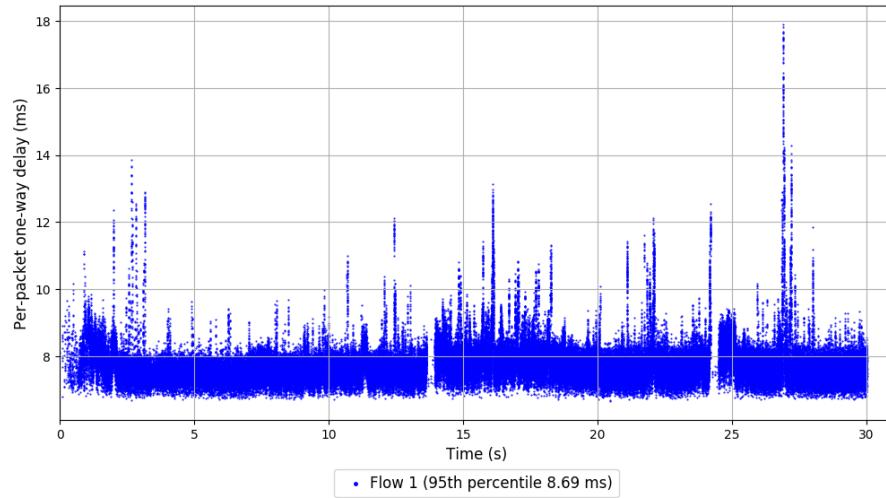
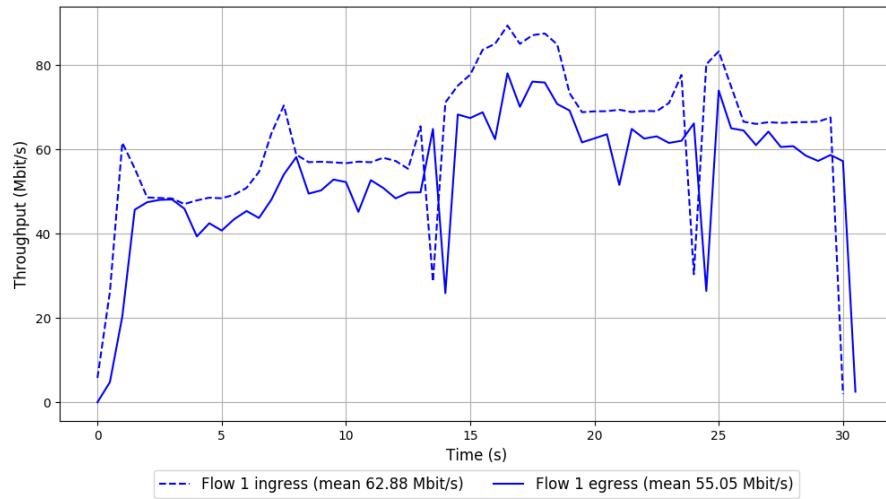
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	62.75	9.87	12.71
Copa	0	N/A	N/A	N/A
TCP Cubic	5	2.51	9.24	3.50
FillP	5	64.56	8.68	15.45
FillP-Sheep	5	61.19	10.02	12.36
Indigo	5	55.30	11.57	17.58
Indigo-MusesC3	5	39.10	9.15	9.51
Indigo-MusesC5	5	69.56	12.09	15.48
Indigo-MusesD	5	36.25	10.07	8.34
Indigo-MusesT	5	65.48	11.97	16.63
LEDBAT	5	6.34	8.71	1.32
PCC-Allegro	5	11.36	8.87	3.55
PCC-Expr	5	10.18	8.50	25.28
QUIC Cubic	5	4.27	8.53	3.77
SCReAM	5	0.12	6.87	4.96
Sprout	5	8.25	13.98	5.63
TaoVA-100x	0	N/A	N/A	N/A
TCP Vegas	5	3.24	10.93	3.54
Verus	5	34.59	45.17	66.02
PCC-Vivace	5	37.42	8.17	8.28
WebRTC media	5	0.05	8.06	3.81

Run 1: Statistics of TCP BBR

```
Start at: 2019-01-18 19:03:37
End at: 2019-01-18 19:04:07
Local clock offset: -4.581 ms
Remote clock offset: -1.707 ms

# Below is generated by plot.py at 2019-01-18 20:54:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.05 Mbit/s
95th percentile per-packet one-way delay: 8.693 ms
Loss rate: 12.46%
-- Flow 1:
Average throughput: 55.05 Mbit/s
95th percentile per-packet one-way delay: 8.693 ms
Loss rate: 12.46%
```

Run 1: Report of TCP BBR — Data Link

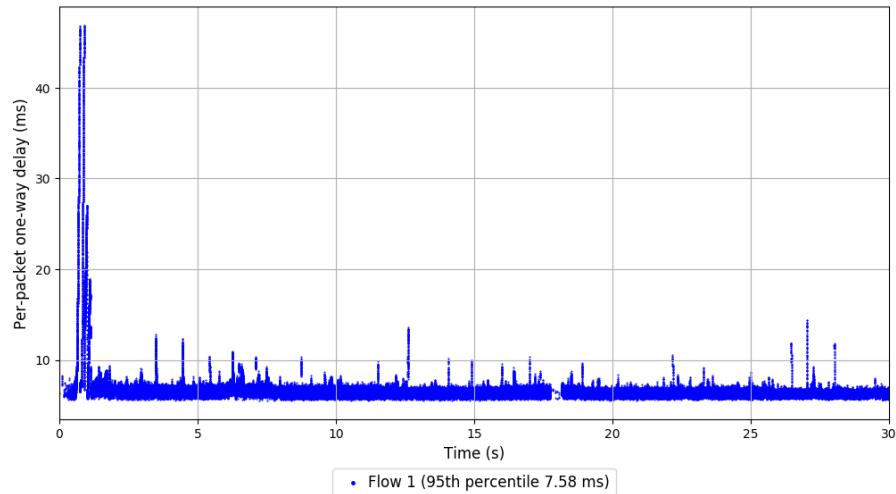
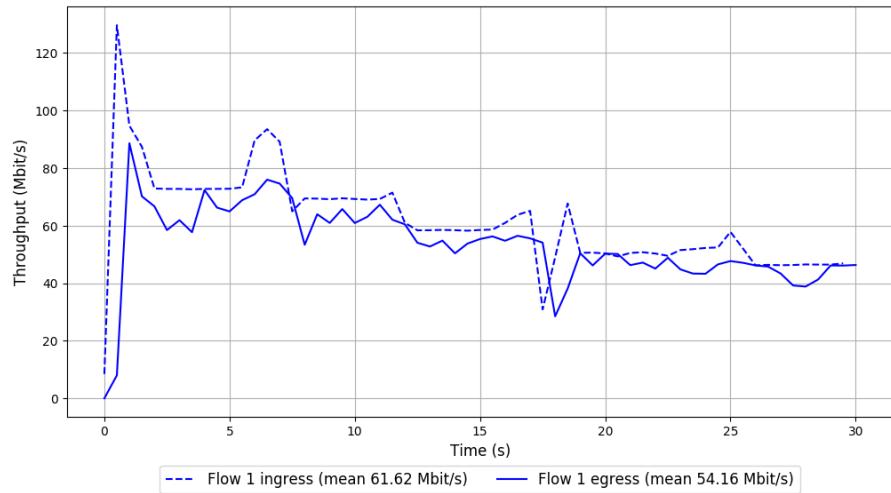


Run 2: Statistics of TCP BBR

```
Start at: 2019-01-18 19:28:53
End at: 2019-01-18 19:29:23
Local clock offset: 0.872 ms
Remote clock offset: -1.021 ms

# Below is generated by plot.py at 2019-01-18 20:54:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.16 Mbit/s
95th percentile per-packet one-way delay: 7.581 ms
Loss rate: 12.11%
-- Flow 1:
Average throughput: 54.16 Mbit/s
95th percentile per-packet one-way delay: 7.581 ms
Loss rate: 12.11%
```

Run 2: Report of TCP BBR — Data Link

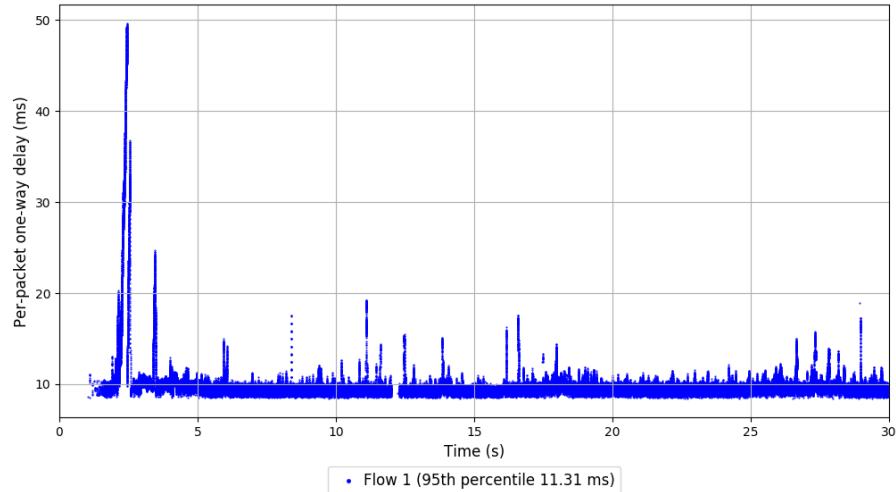
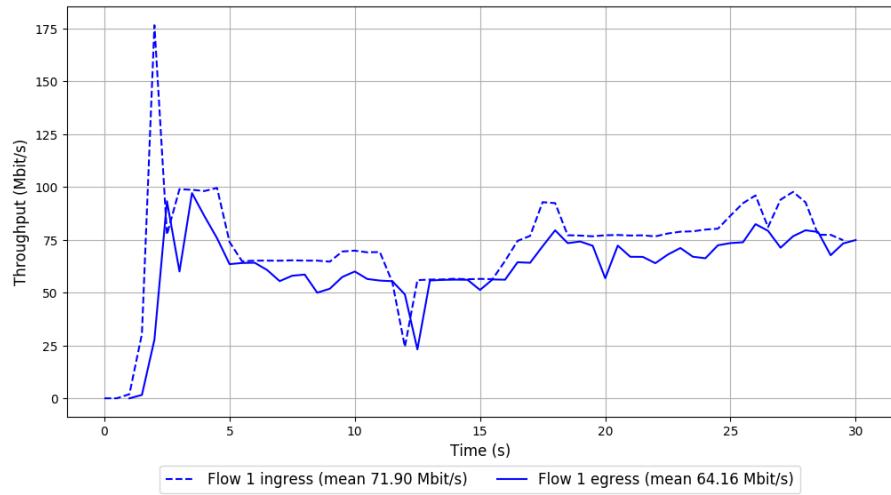


Run 3: Statistics of TCP BBR

```
Start at: 2019-01-18 19:54:19
End at: 2019-01-18 19:54:49
Local clock offset: -1.83 ms
Remote clock offset: -1.012 ms

# Below is generated by plot.py at 2019-01-18 20:55:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.16 Mbit/s
95th percentile per-packet one-way delay: 11.306 ms
Loss rate: 13.81%
-- Flow 1:
Average throughput: 64.16 Mbit/s
95th percentile per-packet one-way delay: 11.306 ms
Loss rate: 13.81%
```

Run 3: Report of TCP BBR — Data Link

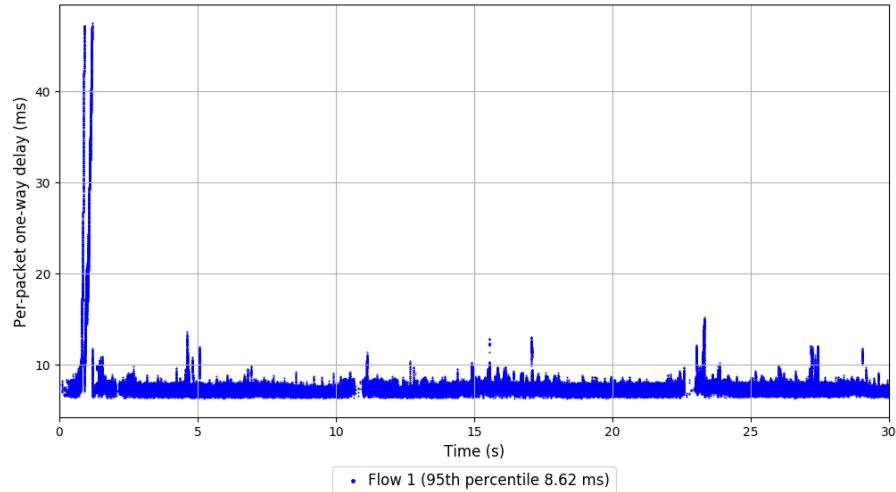
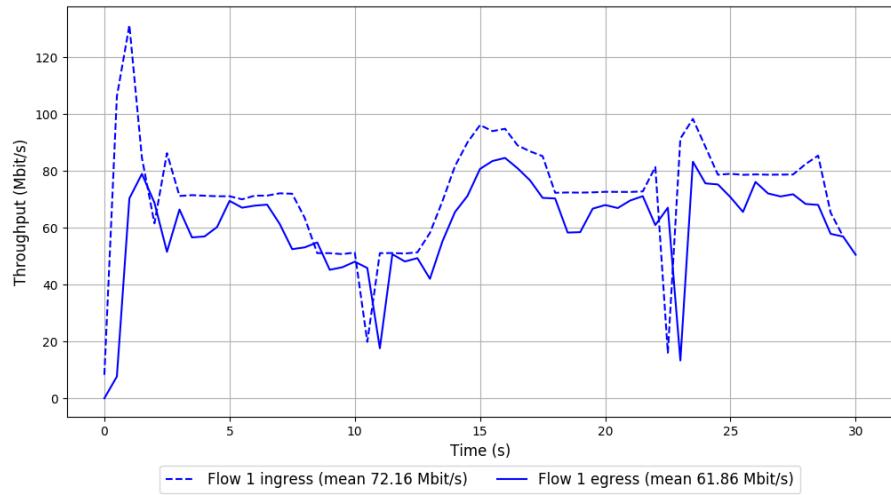


Run 4: Statistics of TCP BBR

```
Start at: 2019-01-18 20:18:28
End at: 2019-01-18 20:18:58
Local clock offset: -1.458 ms
Remote clock offset: -1.996 ms

# Below is generated by plot.py at 2019-01-18 20:55:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.86 Mbit/s
95th percentile per-packet one-way delay: 8.620 ms
Loss rate: 14.28%
-- Flow 1:
Average throughput: 61.86 Mbit/s
95th percentile per-packet one-way delay: 8.620 ms
Loss rate: 14.28%
```

Run 4: Report of TCP BBR — Data Link

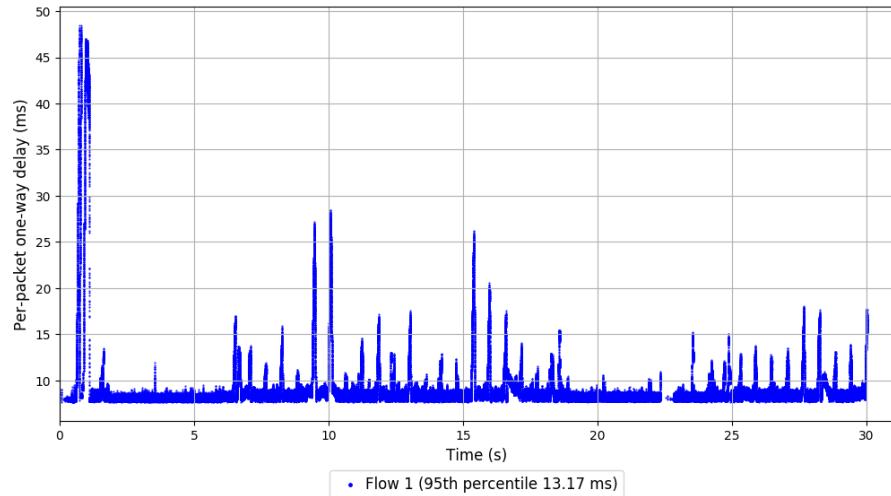
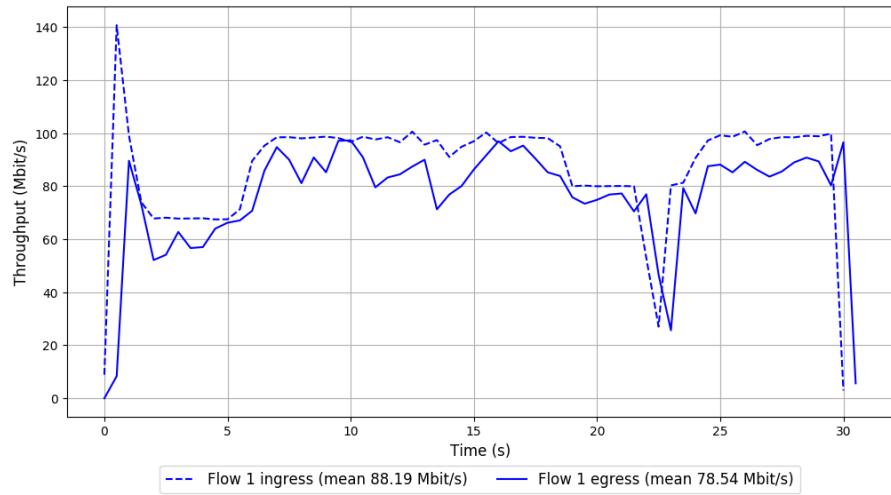


Run 5: Statistics of TCP BBR

```
Start at: 2019-01-18 20:42:51
End at: 2019-01-18 20:43:21
Local clock offset: -0.81 ms
Remote clock offset: -2.162 ms

# Below is generated by plot.py at 2019-01-18 20:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.54 Mbit/s
95th percentile per-packet one-way delay: 13.166 ms
Loss rate: 10.91%
-- Flow 1:
Average throughput: 78.54 Mbit/s
95th percentile per-packet one-way delay: 13.166 ms
Loss rate: 10.91%
```

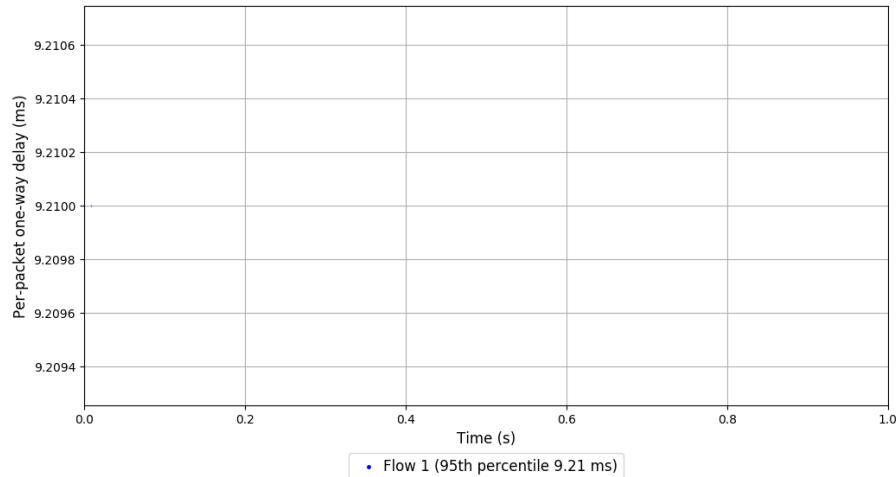
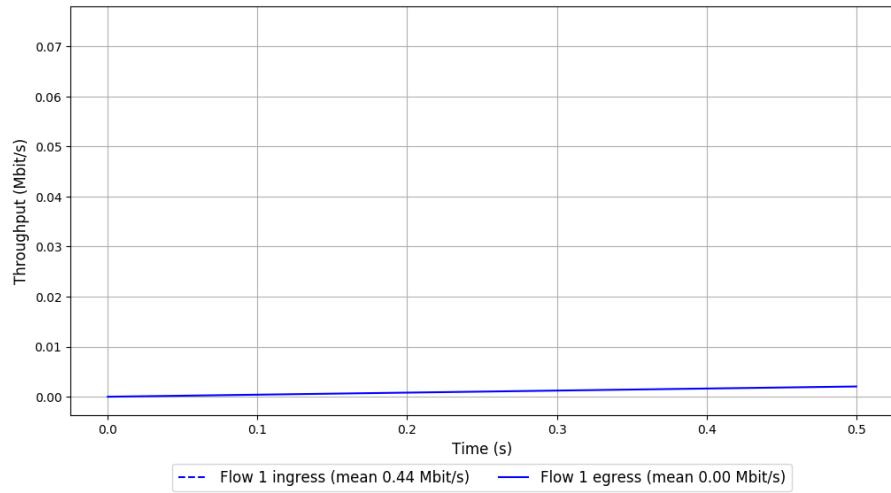
Run 5: Report of TCP BBR — Data Link



Run 1: Statistics of Copa

Start at: 2019-01-18 18:53:00
End at: 2019-01-18 18:53:30
Local clock offset: -4.701 ms
Remote clock offset: -0.966 ms

Run 1: Report of Copa — Data Link



Run 2: Statistics of Copa

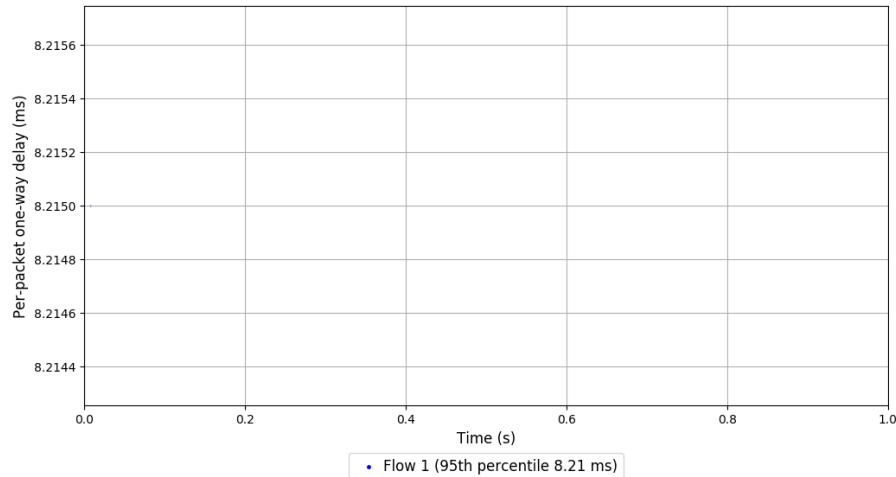
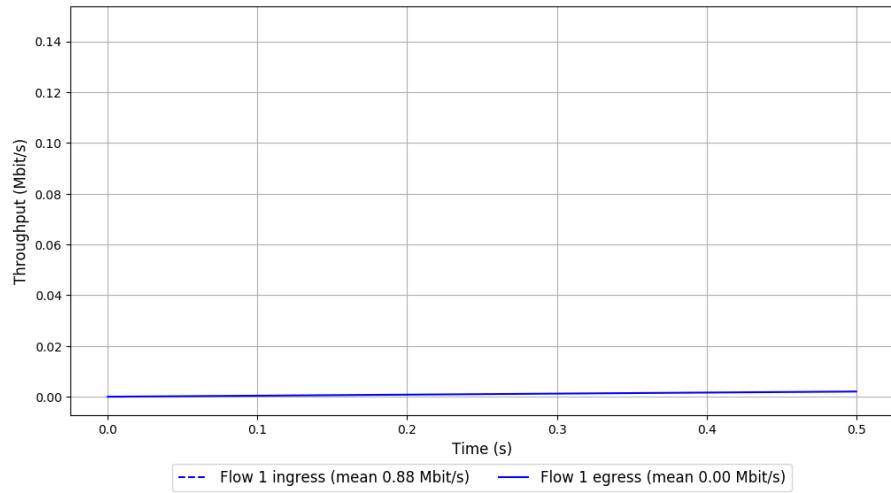
Start at: 2019-01-18 19:18:04

End at: 2019-01-18 19:18:34

Local clock offset: -4.05 ms

Remote clock offset: -1.12 ms

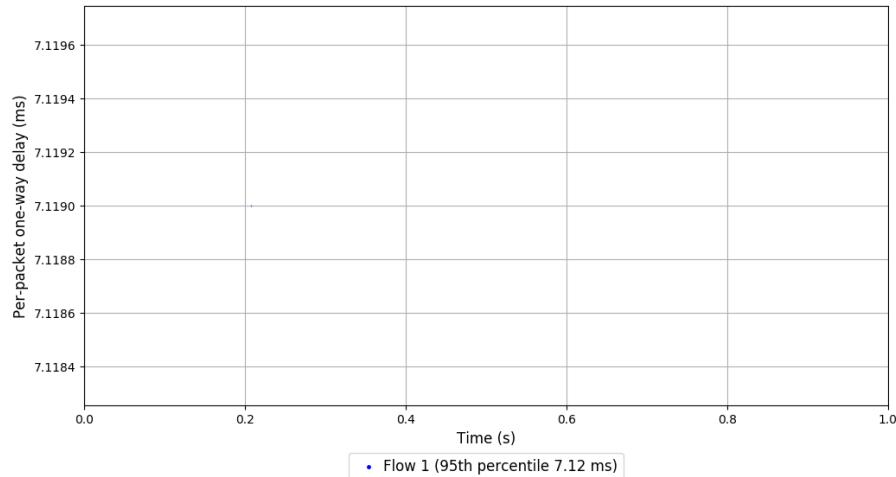
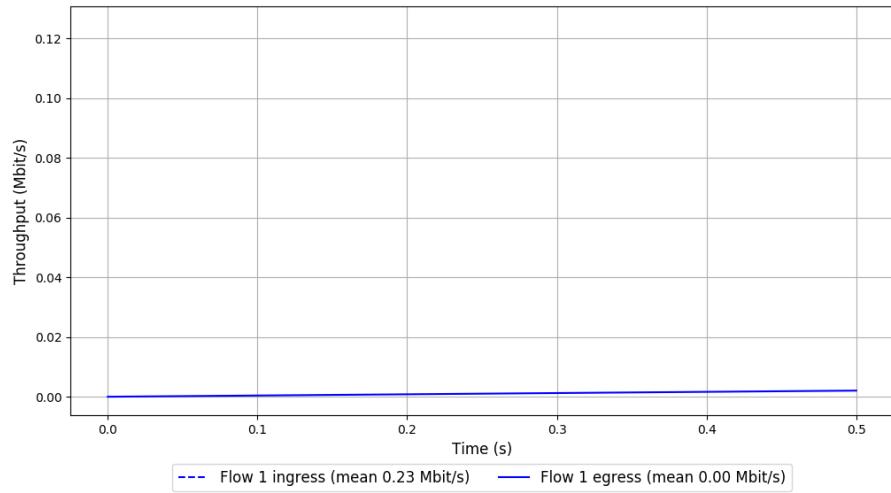
Run 2: Report of Copa — Data Link



Run 3: Statistics of Copa

Start at: 2019-01-18 19:43:26
End at: 2019-01-18 19:43:56
Local clock offset: 0.828 ms
Remote clock offset: -1.353 ms

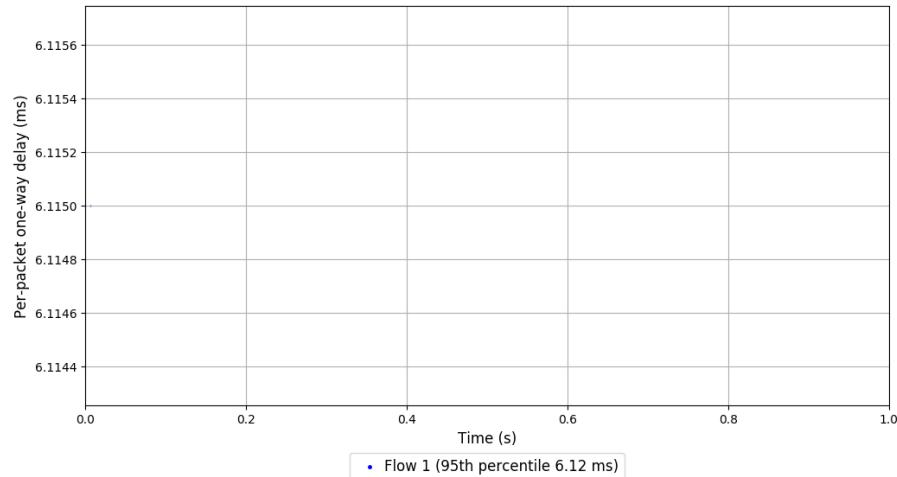
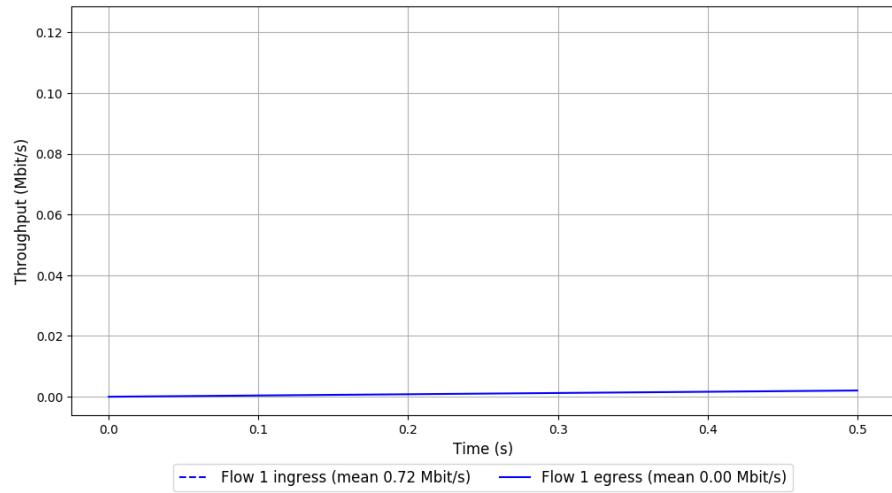
Run 3: Report of Copa — Data Link



Run 4: Statistics of Copa

Start at: 2019-01-18 20:08:13
End at: 2019-01-18 20:08:43
Local clock offset: -0.081 ms
Remote clock offset: -1.274 ms

Run 4: Report of Copa — Data Link



Run 5: Statistics of Copa

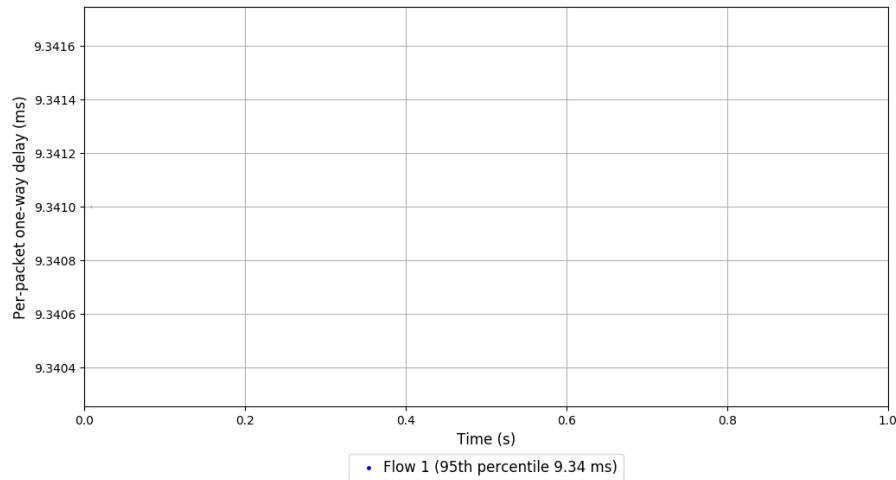
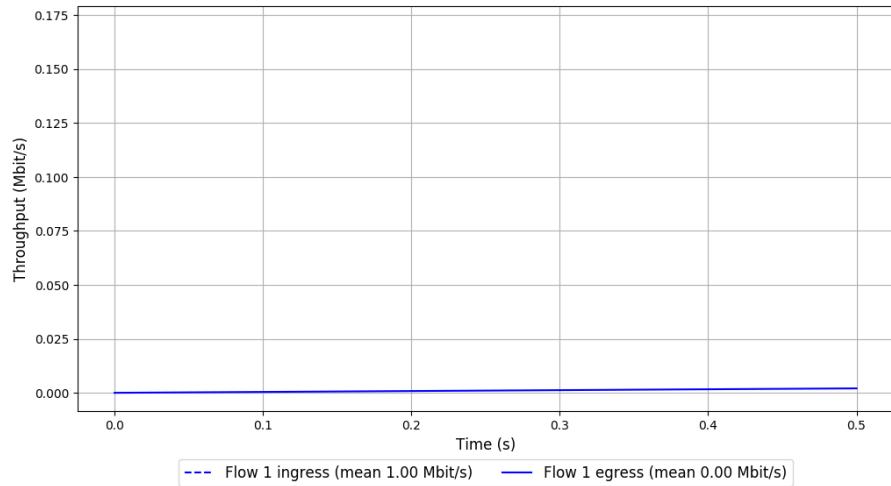
Start at: 2019-01-18 20:32:28

End at: 2019-01-18 20:32:58

Local clock offset: -1.515 ms

Remote clock offset: -1.724 ms

Run 5: Report of Copa — Data Link

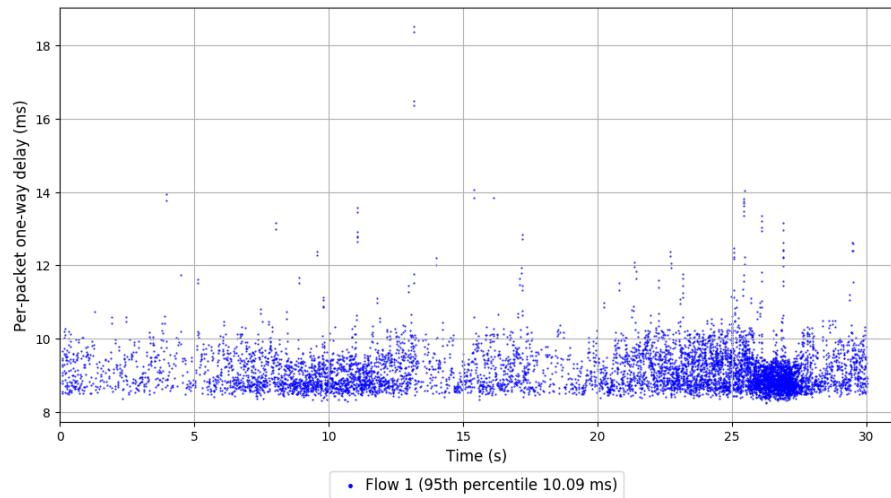
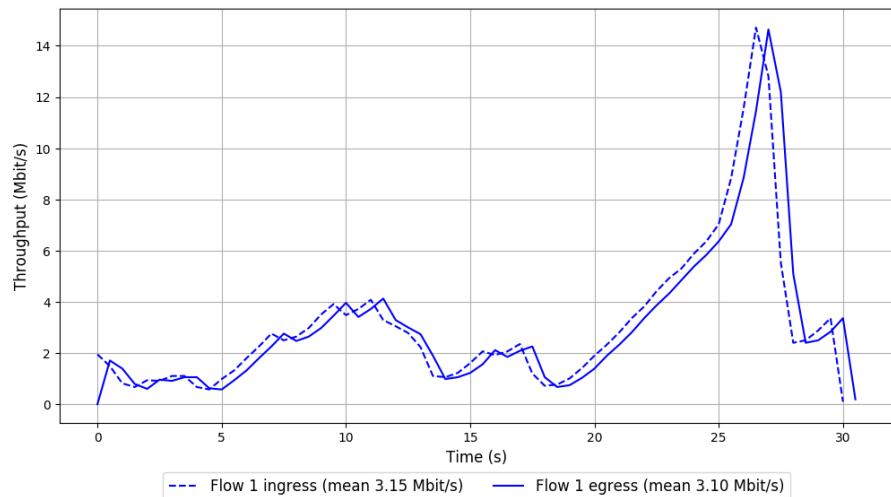


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-01-18 19:11:01
End at: 2019-01-18 19:11:31
Local clock offset: -5.599 ms
Remote clock offset: -0.91 ms

# Below is generated by plot.py at 2019-01-18 20:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 10.092 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 3.10 Mbit/s
95th percentile per-packet one-way delay: 10.092 ms
Loss rate: 1.50%
```

Run 1: Report of TCP Cubic — Data Link

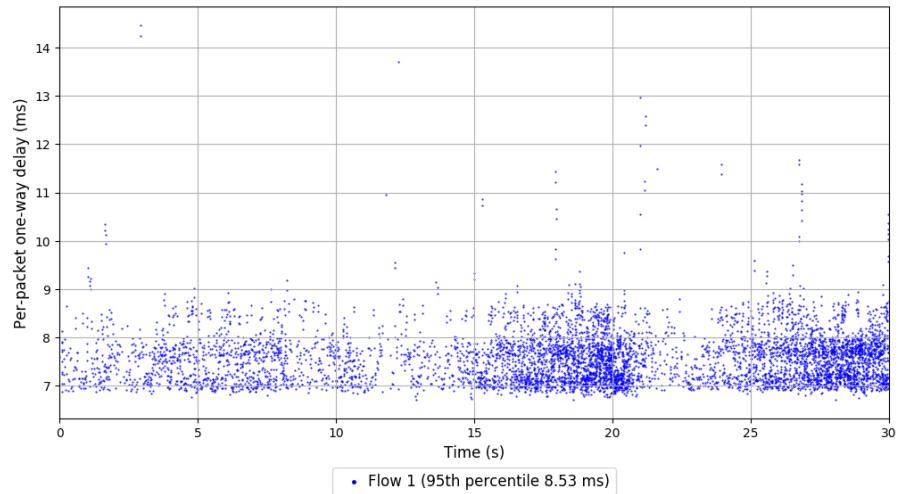
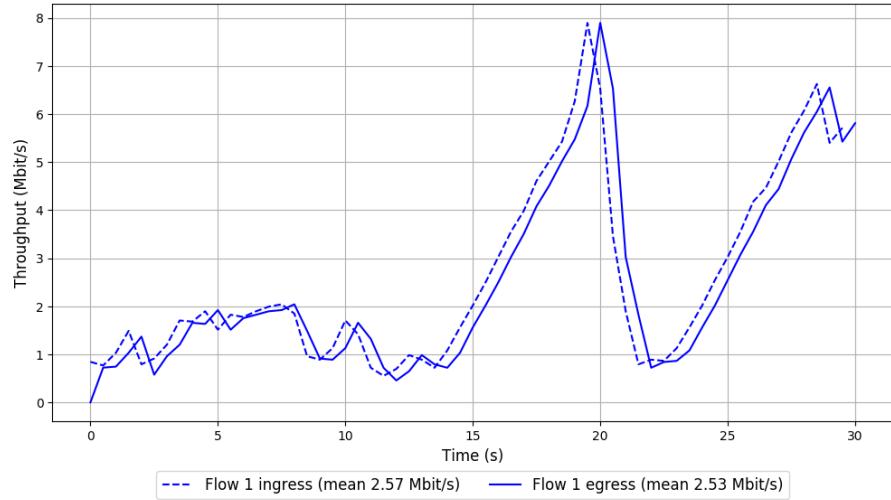


Run 2: Statistics of TCP Cubic

```
Start at: 2019-01-18 19:36:19
End at: 2019-01-18 19:36:49
Local clock offset: -0.081 ms
Remote clock offset: -1.863 ms

# Below is generated by plot.py at 2019-01-18 20:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 8.533 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 2.53 Mbit/s
95th percentile per-packet one-way delay: 8.533 ms
Loss rate: 1.42%
```

Run 2: Report of TCP Cubic — Data Link

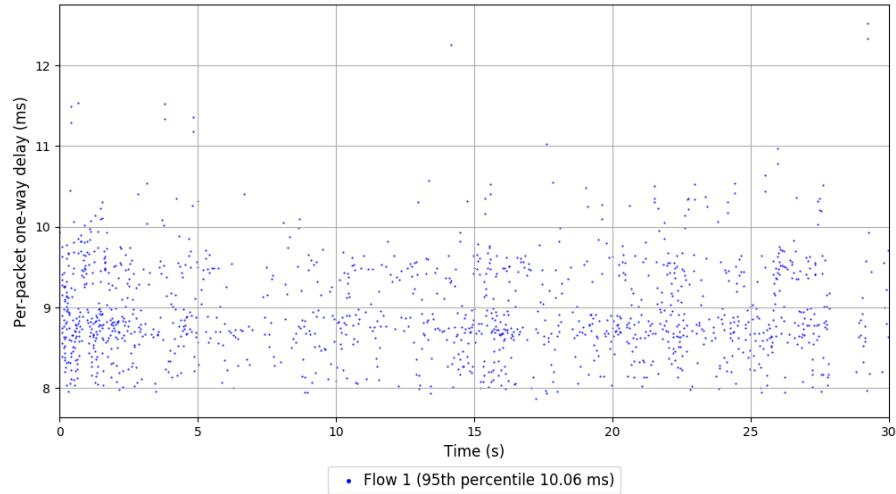
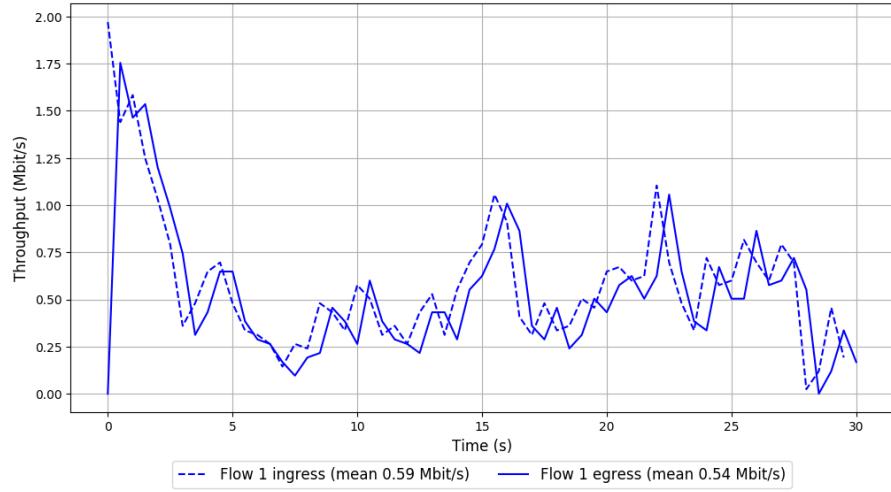


Run 3: Statistics of TCP Cubic

```
Start at: 2019-01-18 20:01:29
End at: 2019-01-18 20:01:59
Local clock offset: -2.707 ms
Remote clock offset: -1.87 ms

# Below is generated by plot.py at 2019-01-18 20:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 10.056 ms
Loss rate: 8.61%
-- Flow 1:
Average throughput: 0.54 Mbit/s
95th percentile per-packet one-way delay: 10.056 ms
Loss rate: 8.61%
```

Run 3: Report of TCP Cubic — Data Link

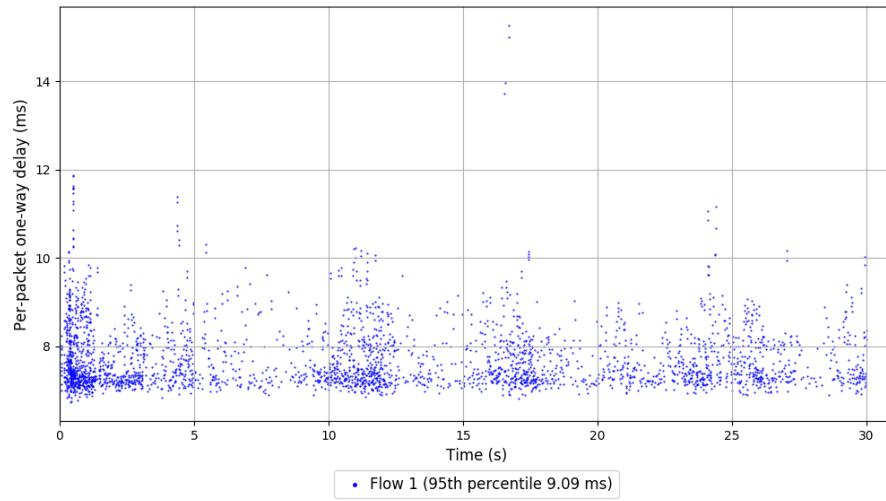
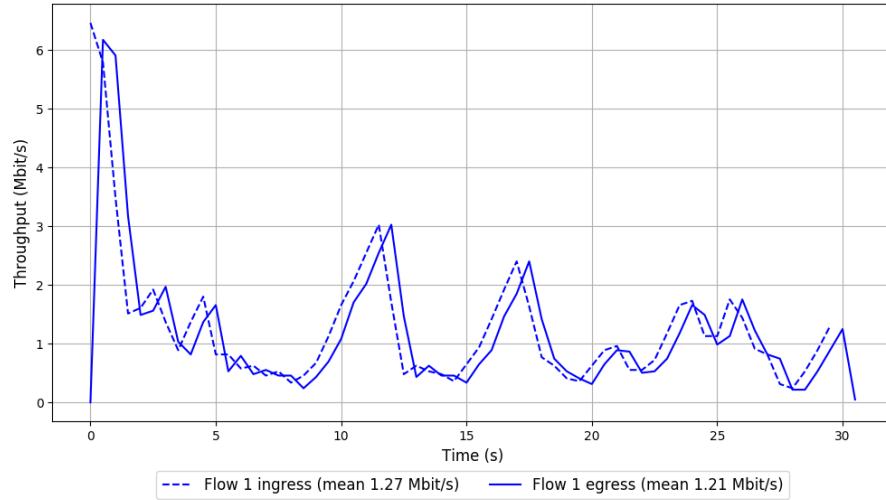


Run 4: Statistics of TCP Cubic

```
Start at: 2019-01-18 20:25:31
End at: 2019-01-18 20:26:01
Local clock offset: -0.521 ms
Remote clock offset: -1.78 ms

# Below is generated by plot.py at 2019-01-18 20:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 9.090 ms
Loss rate: 4.74%
-- Flow 1:
Average throughput: 1.21 Mbit/s
95th percentile per-packet one-way delay: 9.090 ms
Loss rate: 4.74%
```

Run 4: Report of TCP Cubic — Data Link

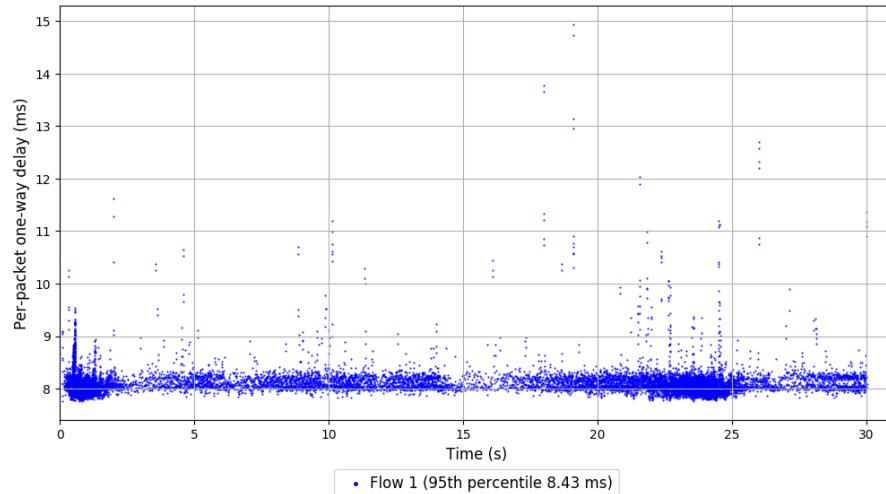
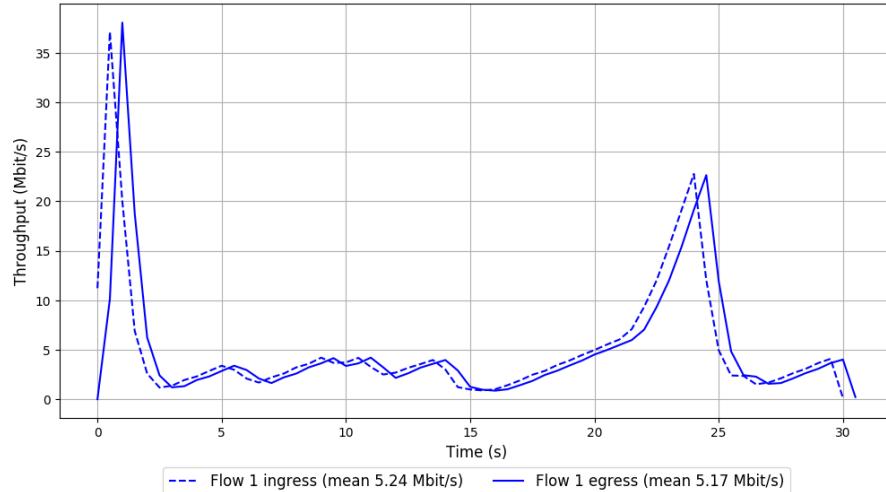


Run 5: Statistics of TCP Cubic

```
Start at: 2019-01-18 20:50:28
End at: 2019-01-18 20:50:58
Local clock offset: -1.642 ms
Remote clock offset: -3.021 ms

# Below is generated by plot.py at 2019-01-18 20:55:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.17 Mbit/s
95th percentile per-packet one-way delay: 8.426 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 5.17 Mbit/s
95th percentile per-packet one-way delay: 8.426 ms
Loss rate: 1.23%
```

Run 5: Report of TCP Cubic — Data Link

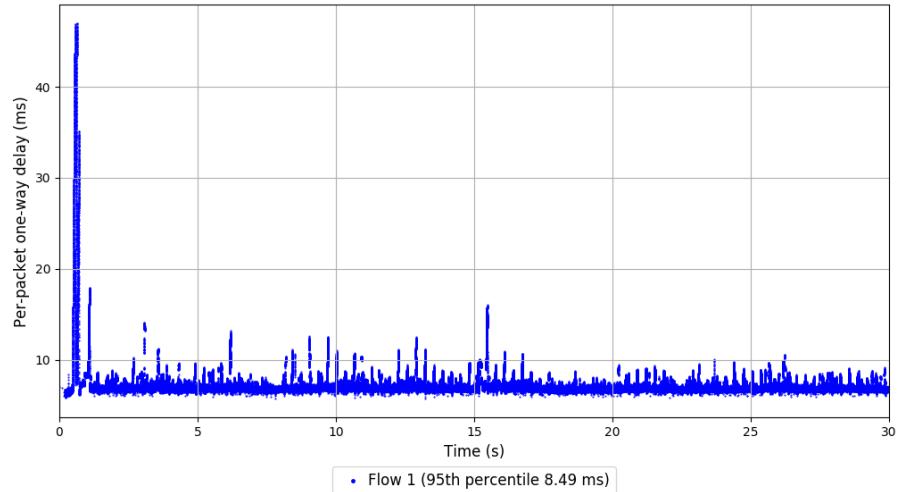
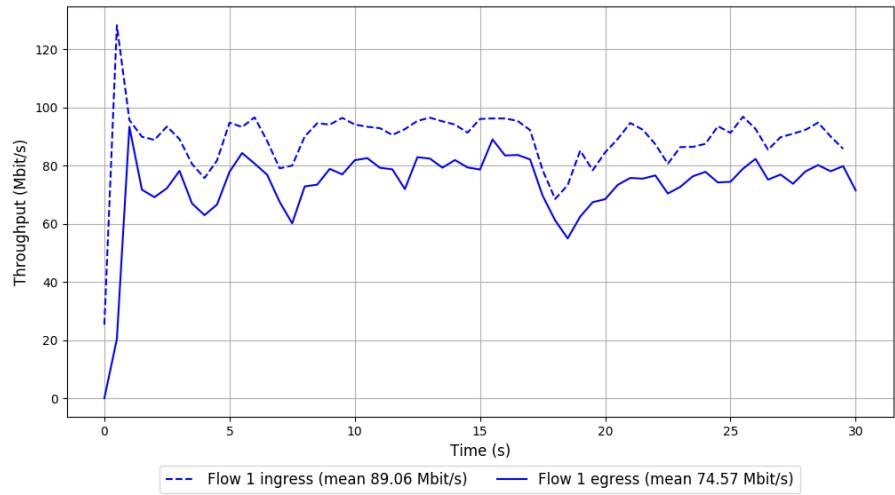


```
Run 1: Statistics of FillP

Start at: 2019-01-18 19:09:43
End at: 2019-01-18 19:10:13
Local clock offset: -3.385 ms
Remote clock offset: -1.161 ms

# Below is generated by plot.py at 2019-01-18 20:55:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.57 Mbit/s
95th percentile per-packet one-way delay: 8.492 ms
Loss rate: 16.27%
-- Flow 1:
Average throughput: 74.57 Mbit/s
95th percentile per-packet one-way delay: 8.492 ms
Loss rate: 16.27%
```

Run 1: Report of FillP — Data Link

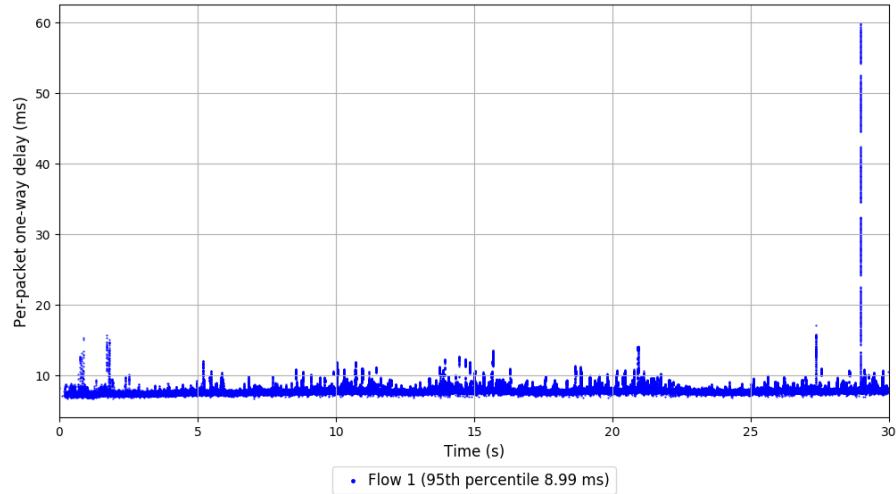
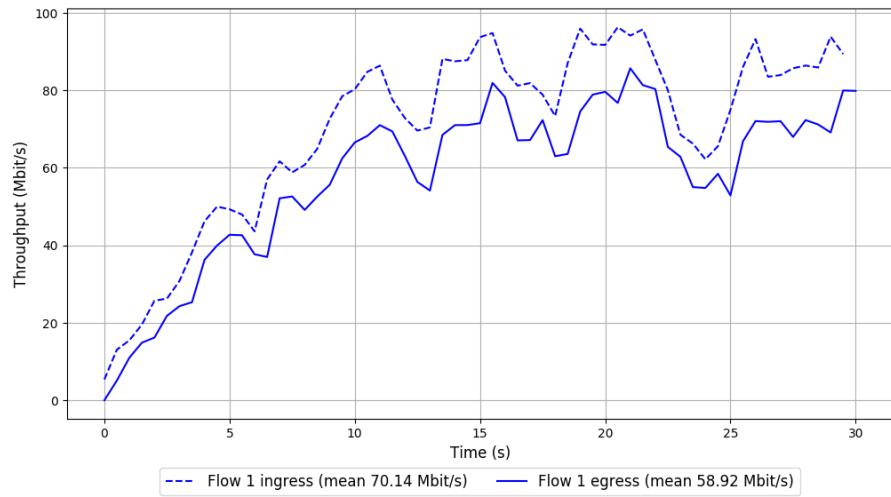


Run 2: Statistics of FillP

```
Start at: 2019-01-18 19:34:57
End at: 2019-01-18 19:35:27
Local clock offset: 0.426 ms
Remote clock offset: -1.039 ms

# Below is generated by plot.py at 2019-01-18 20:55:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.92 Mbit/s
95th percentile per-packet one-way delay: 8.991 ms
Loss rate: 16.00%
-- Flow 1:
Average throughput: 58.92 Mbit/s
95th percentile per-packet one-way delay: 8.991 ms
Loss rate: 16.00%
```

Run 2: Report of FillP — Data Link

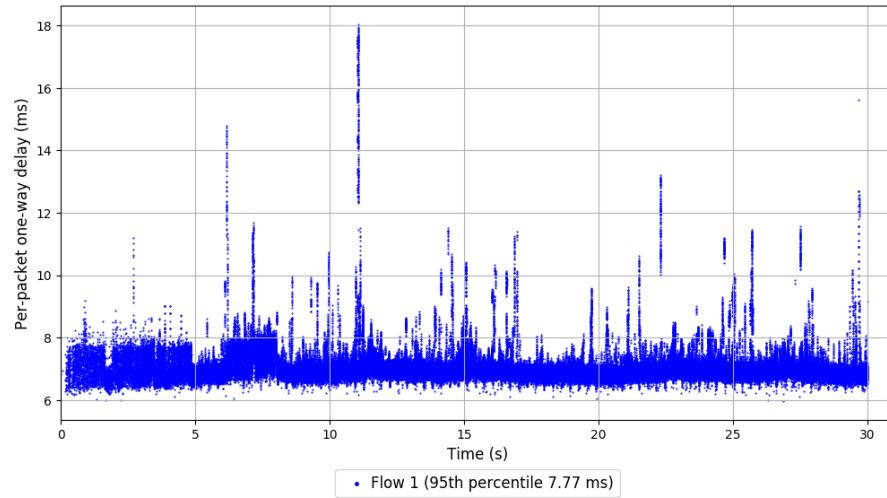
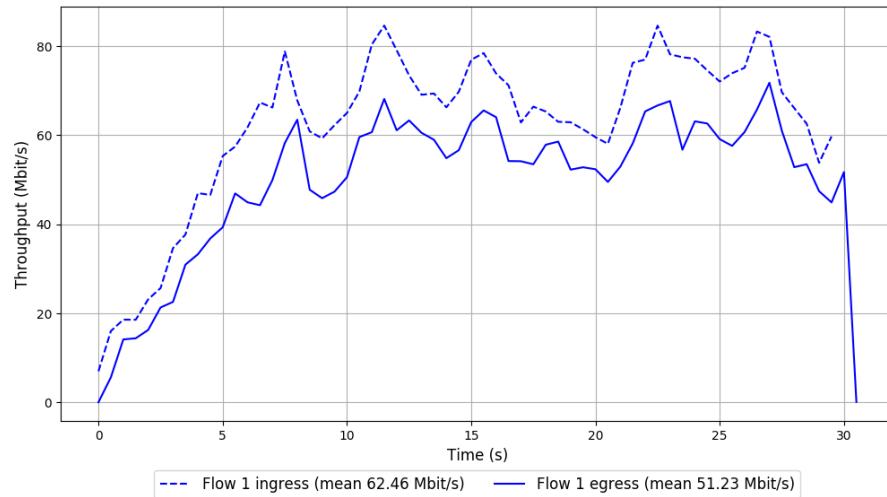


```
Run 3: Statistics of FillP
```

```
Start at: 2019-01-18 20:00:16
End at: 2019-01-18 20:00:47
Local clock offset: -1.401 ms
Remote clock offset: -2.252 ms

# Below is generated by plot.py at 2019-01-18 20:55:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.23 Mbit/s
95th percentile per-packet one-way delay: 7.770 ms
Loss rate: 17.97%
-- Flow 1:
Average throughput: 51.23 Mbit/s
95th percentile per-packet one-way delay: 7.770 ms
Loss rate: 17.97%
```

Run 3: Report of FillP — Data Link

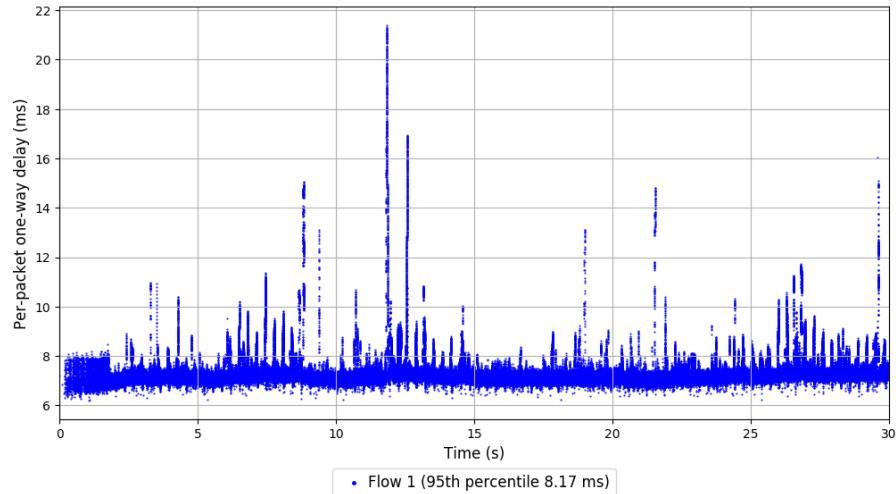
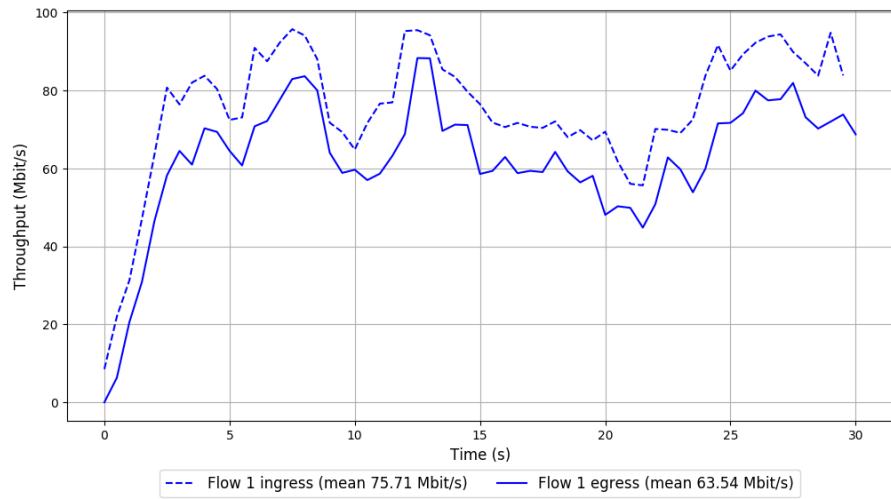


Run 4: Statistics of FillP

```
Start at: 2019-01-18 20:24:17
End at: 2019-01-18 20:24:47
Local clock offset: -0.485 ms
Remote clock offset: -1.836 ms

# Below is generated by plot.py at 2019-01-18 20:55:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.54 Mbit/s
95th percentile per-packet one-way delay: 8.167 ms
Loss rate: 16.08%
-- Flow 1:
Average throughput: 63.54 Mbit/s
95th percentile per-packet one-way delay: 8.167 ms
Loss rate: 16.08%
```

Run 4: Report of FillP — Data Link

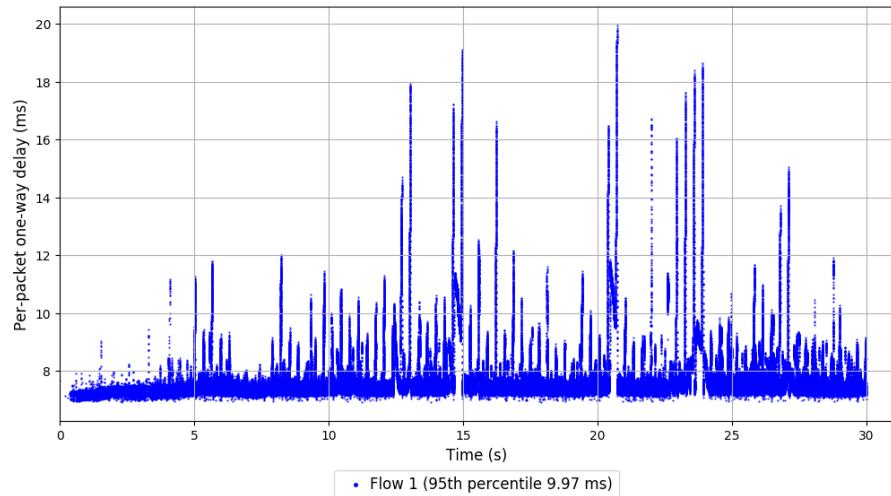
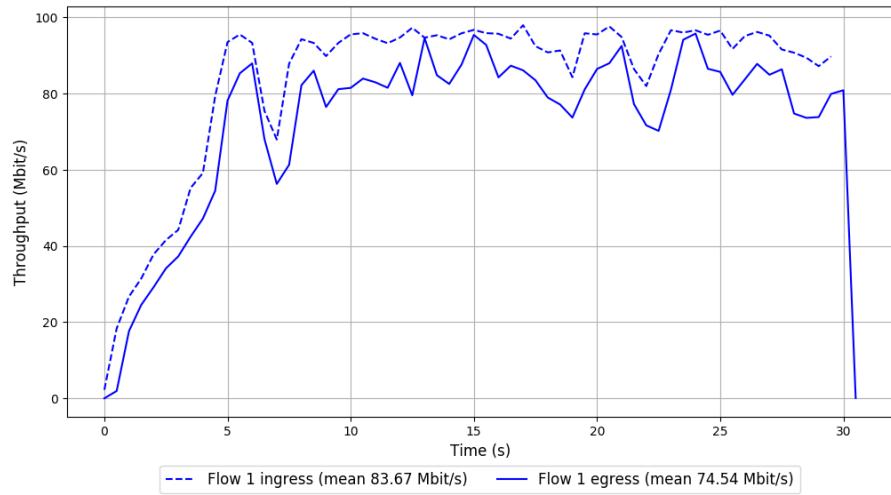


```
Run 5: Statistics of FillP
```

```
Start at: 2019-01-18 20:49:05
End at: 2019-01-18 20:49:35
Local clock offset: -0.383 ms
Remote clock offset: -2.383 ms

# Below is generated by plot.py at 2019-01-18 20:56:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.54 Mbit/s
95th percentile per-packet one-way delay: 9.975 ms
Loss rate: 10.91%
-- Flow 1:
Average throughput: 74.54 Mbit/s
95th percentile per-packet one-way delay: 9.975 ms
Loss rate: 10.91%
```

Run 5: Report of FillP — Data Link

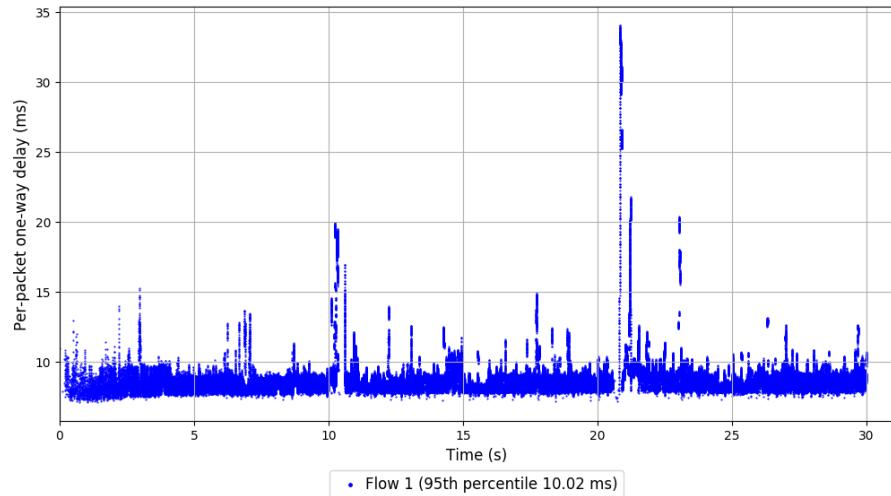
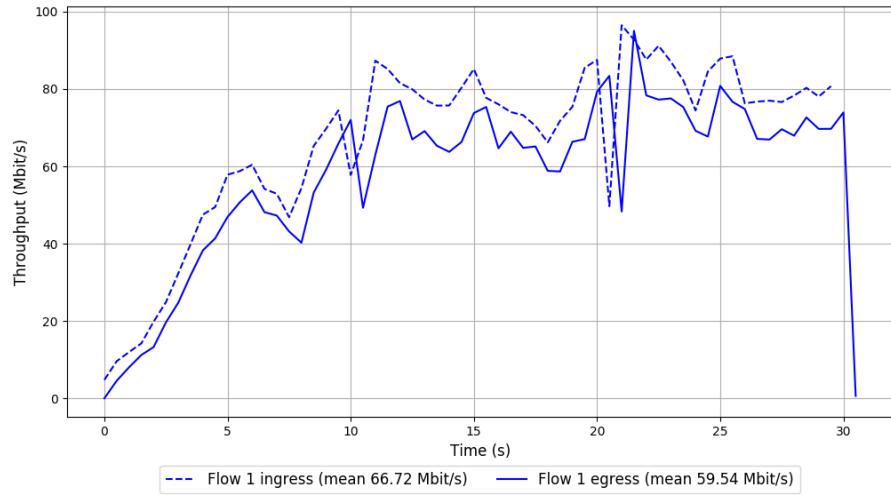


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-01-18 18:49:29
End at: 2019-01-18 18:49:59
Local clock offset: -4.484 ms
Remote clock offset: -1.423 ms

# Below is generated by plot.py at 2019-01-18 20:56:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.54 Mbit/s
95th percentile per-packet one-way delay: 10.022 ms
Loss rate: 10.77%
-- Flow 1:
Average throughput: 59.54 Mbit/s
95th percentile per-packet one-way delay: 10.022 ms
Loss rate: 10.77%
```

Run 1: Report of FillP-Sheep — Data Link

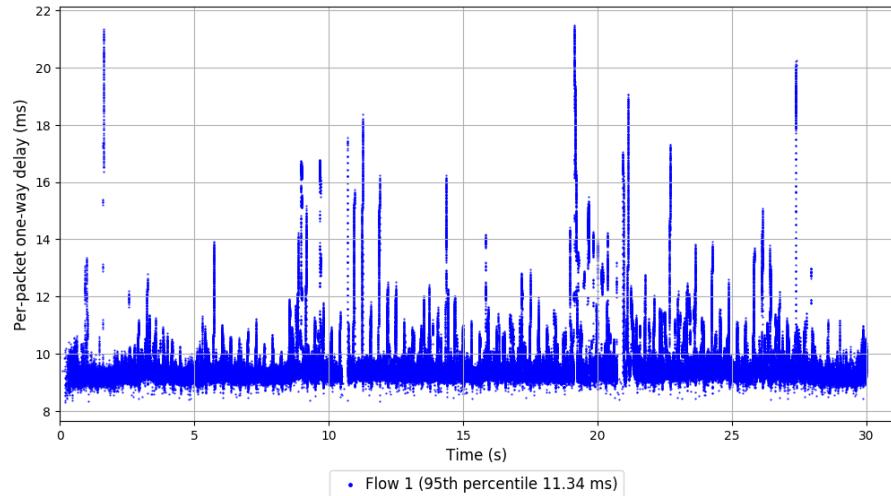
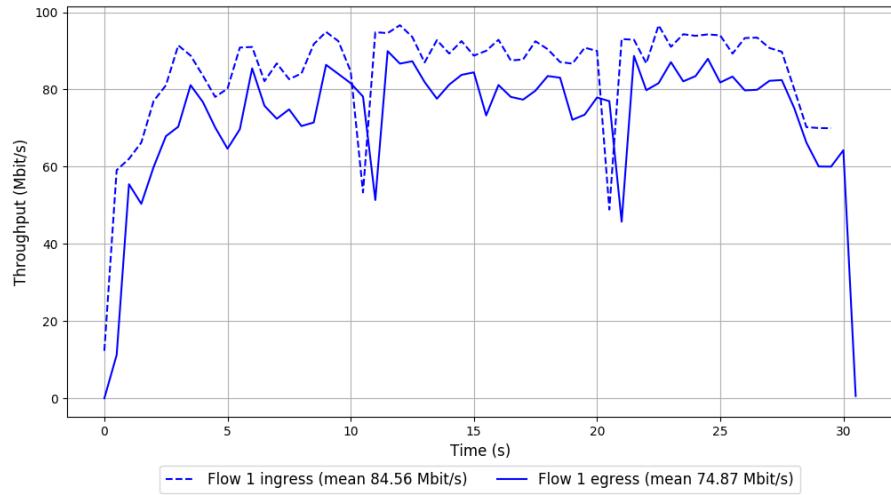


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-01-18 19:14:33
End at: 2019-01-18 19:15:03
Local clock offset: -6.223 ms
Remote clock offset: -1.288 ms

# Below is generated by plot.py at 2019-01-18 20:56:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.87 Mbit/s
95th percentile per-packet one-way delay: 11.344 ms
Loss rate: 11.46%
-- Flow 1:
Average throughput: 74.87 Mbit/s
95th percentile per-packet one-way delay: 11.344 ms
Loss rate: 11.46%
```

Run 2: Report of FillP-Sheep — Data Link

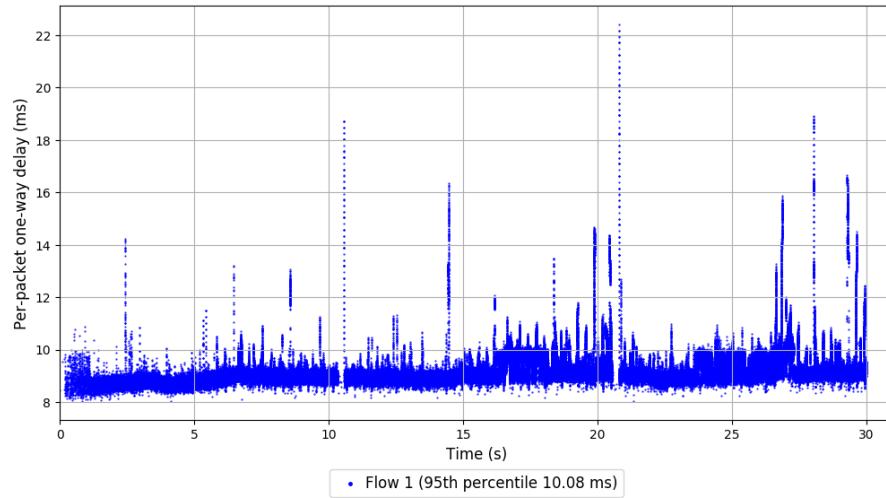
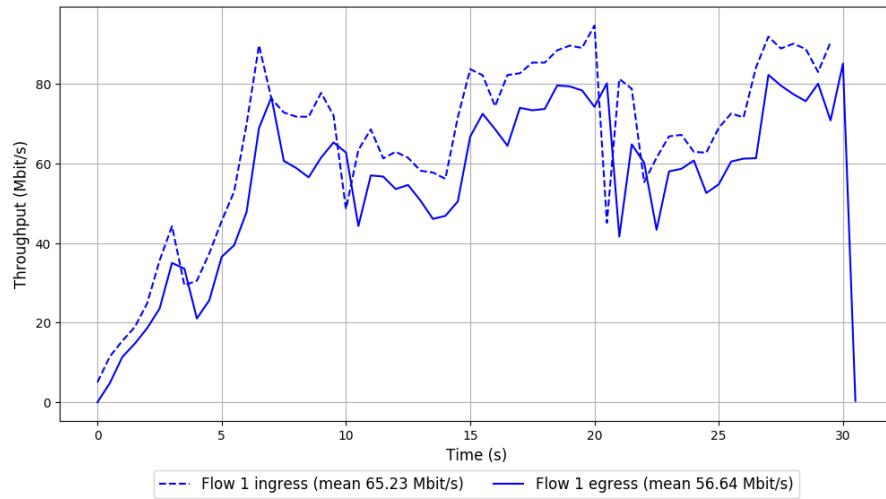


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-01-18 19:39:53
End at: 2019-01-18 19:40:23
Local clock offset: -0.56 ms
Remote clock offset: -1.081 ms

# Below is generated by plot.py at 2019-01-18 20:56:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.64 Mbit/s
95th percentile per-packet one-way delay: 10.078 ms
Loss rate: 13.17%
-- Flow 1:
Average throughput: 56.64 Mbit/s
95th percentile per-packet one-way delay: 10.078 ms
Loss rate: 13.17%
```

Run 3: Report of FillP-Sheep — Data Link

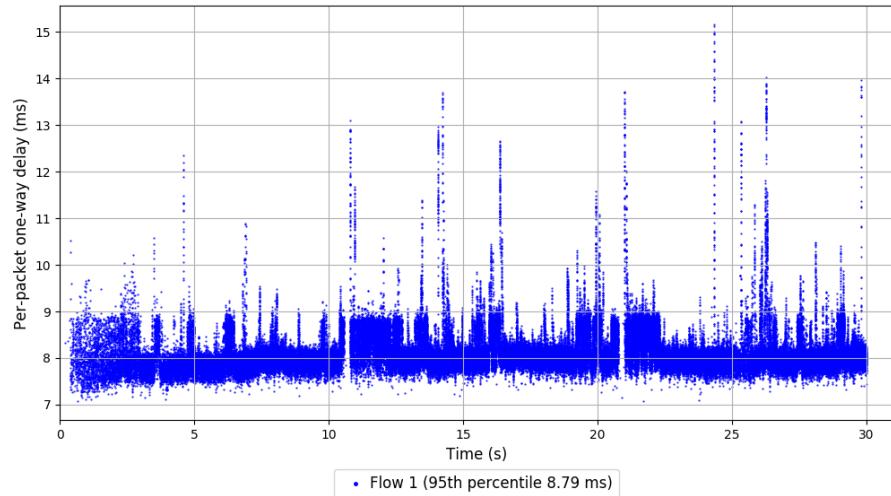
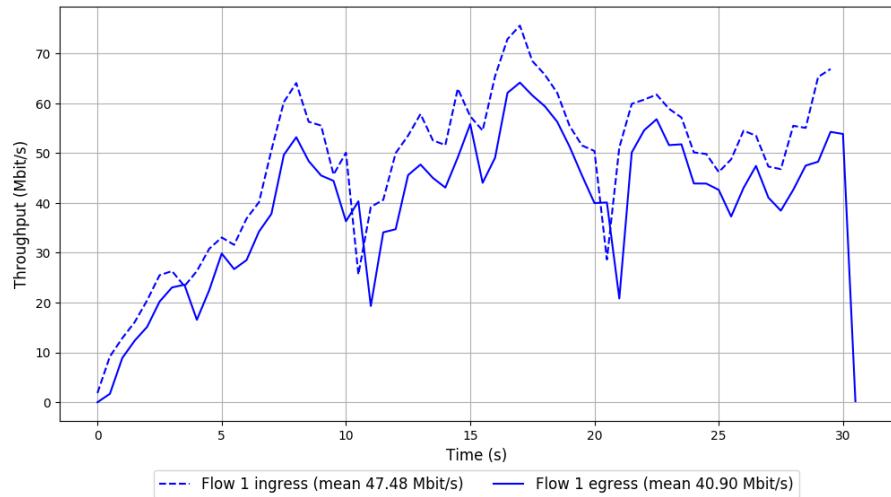


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-01-18 20:04:52
End at: 2019-01-18 20:05:22
Local clock offset: -2.019 ms
Remote clock offset: -1.535 ms

# Below is generated by plot.py at 2019-01-18 20:56:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.90 Mbit/s
95th percentile per-packet one-way delay: 8.791 ms
Loss rate: 14.44%
-- Flow 1:
Average throughput: 40.90 Mbit/s
95th percentile per-packet one-way delay: 8.791 ms
Loss rate: 14.44%
```

Run 4: Report of FillP-Sheep — Data Link

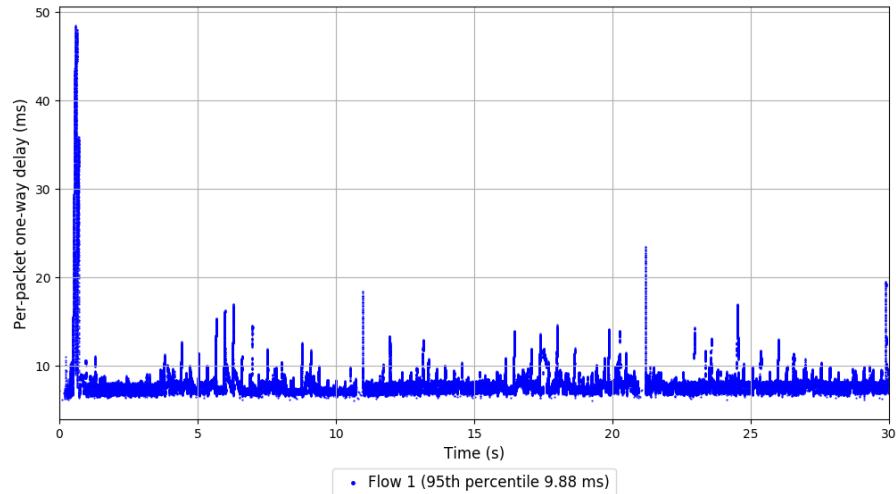
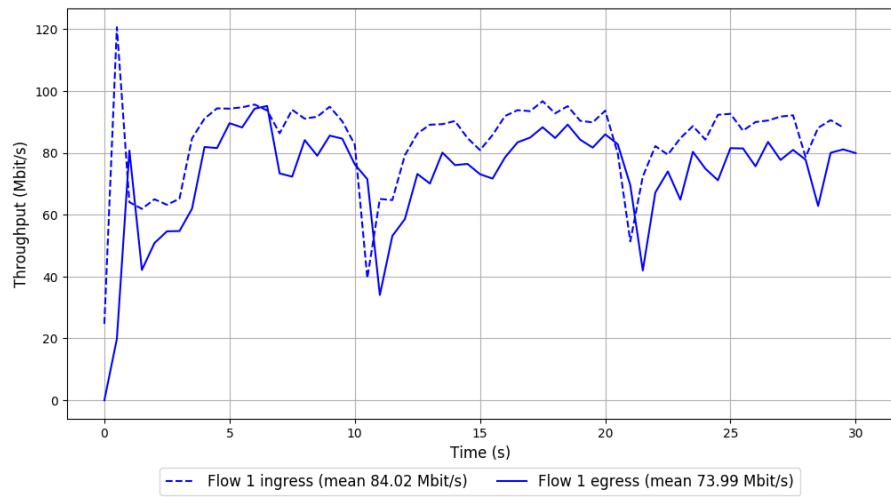


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-01-18 20:28:58
End at: 2019-01-18 20:29:28
Local clock offset: -0.609 ms
Remote clock offset: -2.62 ms

# Below is generated by plot.py at 2019-01-18 20:56:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.99 Mbit/s
95th percentile per-packet one-way delay: 9.877 ms
Loss rate: 11.95%
-- Flow 1:
Average throughput: 73.99 Mbit/s
95th percentile per-packet one-way delay: 9.877 ms
Loss rate: 11.95%
```

Run 5: Report of FillP-Sheep — Data Link

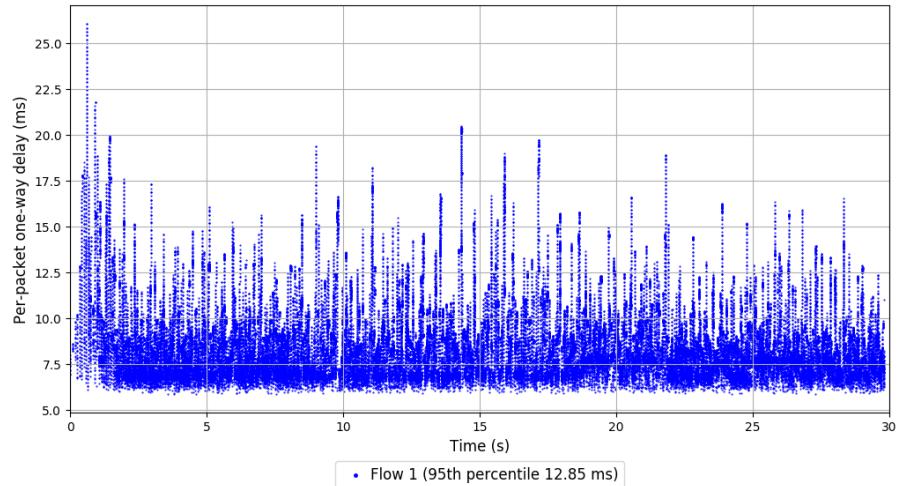
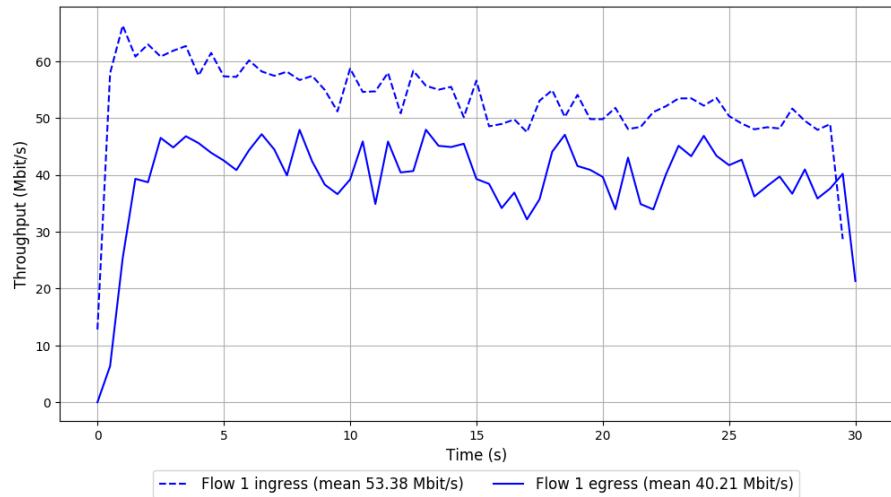


Run 1: Statistics of Indigo

```
Start at: 2019-01-18 19:00:00
End at: 2019-01-18 19:00:30
Local clock offset: -4.205 ms
Remote clock offset: -2.337 ms

# Below is generated by plot.py at 2019-01-18 20:56:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 12.847 ms
Loss rate: 24.68%
-- Flow 1:
Average throughput: 40.21 Mbit/s
95th percentile per-packet one-way delay: 12.847 ms
Loss rate: 24.68%
```

Run 1: Report of Indigo — Data Link

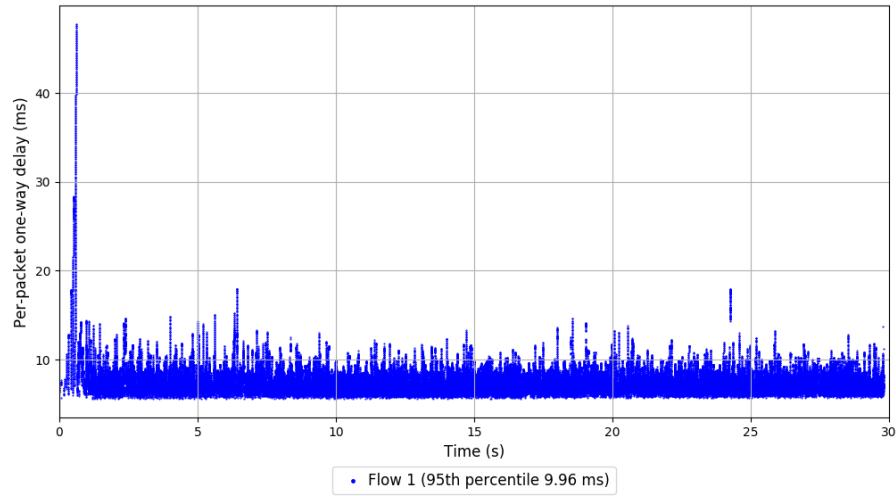
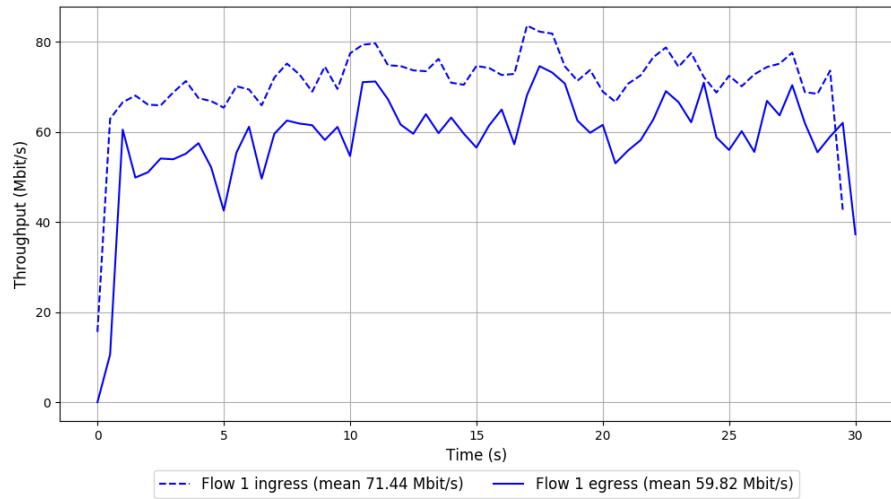


Run 2: Statistics of Indigo

```
Start at: 2019-01-18 19:25:05
End at: 2019-01-18 19:25:35
Local clock offset: -0.463 ms
Remote clock offset: -1.587 ms

# Below is generated by plot.py at 2019-01-18 20:56:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.82 Mbit/s
95th percentile per-packet one-way delay: 9.958 ms
Loss rate: 16.25%
-- Flow 1:
Average throughput: 59.82 Mbit/s
95th percentile per-packet one-way delay: 9.958 ms
Loss rate: 16.25%
```

Run 2: Report of Indigo — Data Link

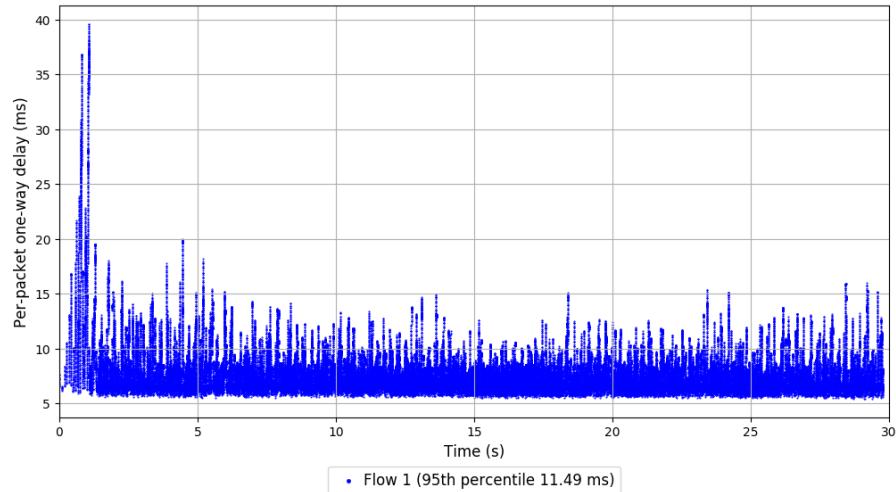
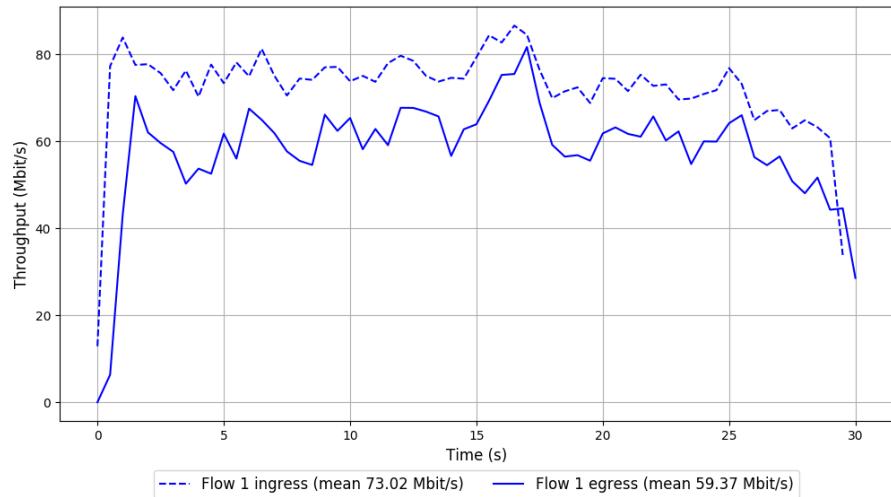


Run 3: Statistics of Indigo

```
Start at: 2019-01-18 19:50:43
End at: 2019-01-18 19:51:13
Local clock offset: 1.363 ms
Remote clock offset: -1.336 ms

# Below is generated by plot.py at 2019-01-18 20:56:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.37 Mbit/s
95th percentile per-packet one-way delay: 11.489 ms
Loss rate: 18.69%
-- Flow 1:
Average throughput: 59.37 Mbit/s
95th percentile per-packet one-way delay: 11.489 ms
Loss rate: 18.69%
```

Run 3: Report of Indigo — Data Link

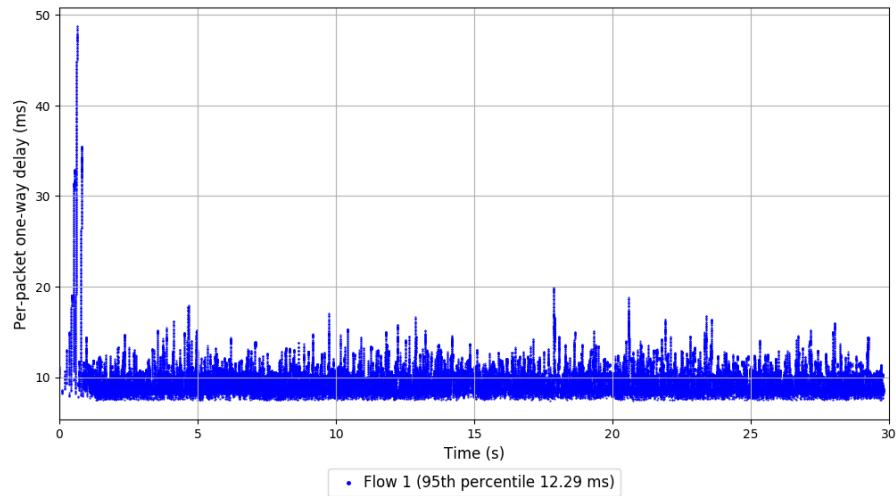
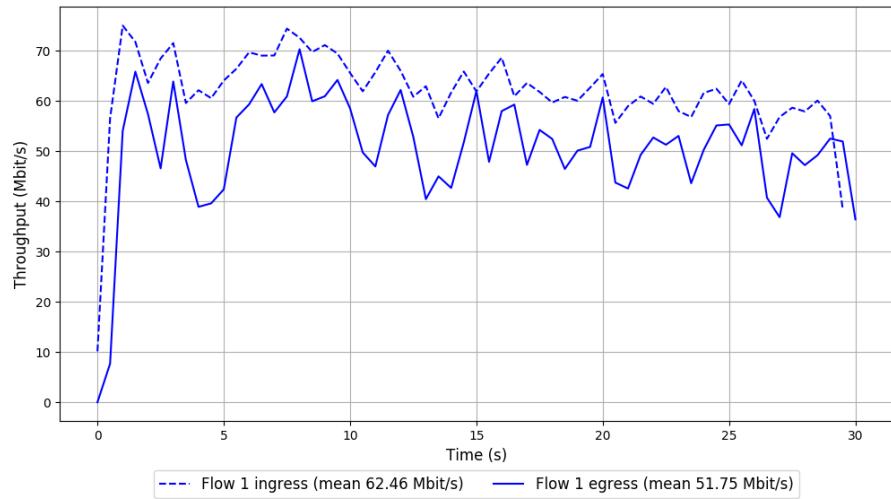


Run 4: Statistics of Indigo

```
Start at: 2019-01-18 20:14:57
End at: 2019-01-18 20:15:27
Local clock offset: -1.867 ms
Remote clock offset: -0.964 ms

# Below is generated by plot.py at 2019-01-18 20:56:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.75 Mbit/s
95th percentile per-packet one-way delay: 12.291 ms
Loss rate: 17.15%
-- Flow 1:
Average throughput: 51.75 Mbit/s
95th percentile per-packet one-way delay: 12.291 ms
Loss rate: 17.15%
```

Run 4: Report of Indigo — Data Link

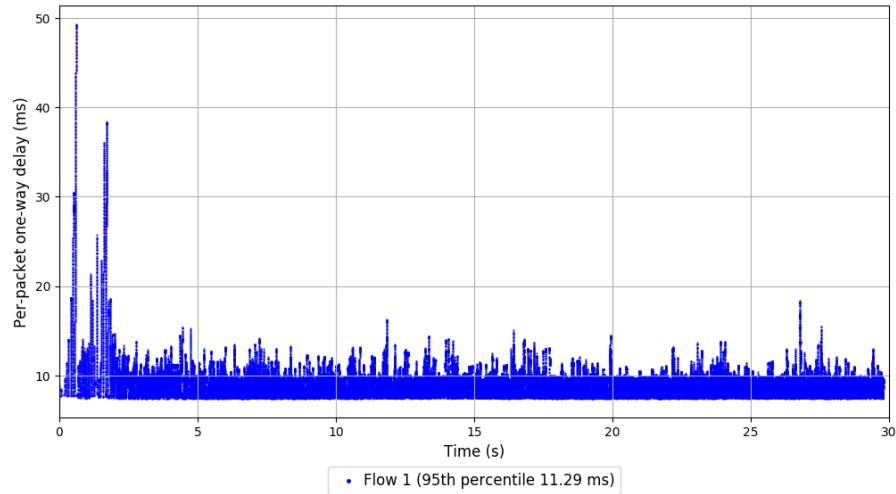
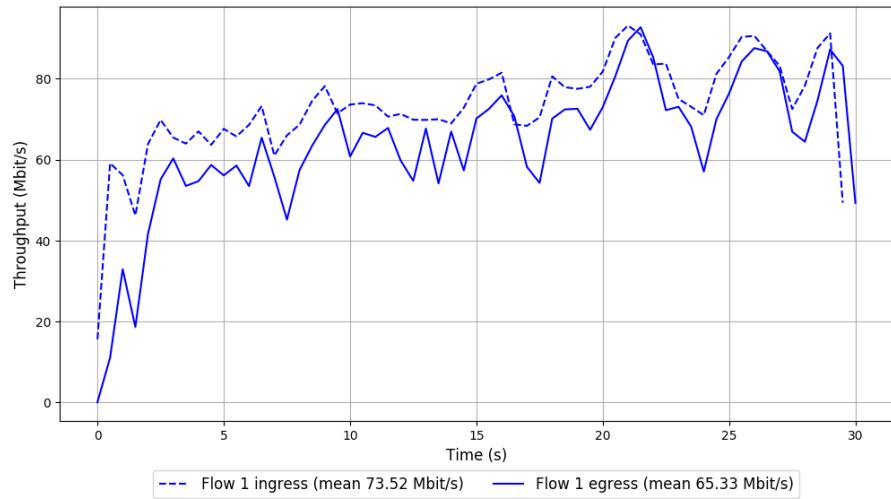


Run 5: Statistics of Indigo

```
Start at: 2019-01-18 20:39:16
End at: 2019-01-18 20:39:46
Local clock offset: -0.655 ms
Remote clock offset: -2.065 ms

# Below is generated by plot.py at 2019-01-18 20:56:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 65.33 Mbit/s
95th percentile per-packet one-way delay: 11.285 ms
Loss rate: 11.14%
-- Flow 1:
Average throughput: 65.33 Mbit/s
95th percentile per-packet one-way delay: 11.285 ms
Loss rate: 11.14%
```

Run 5: Report of Indigo — Data Link

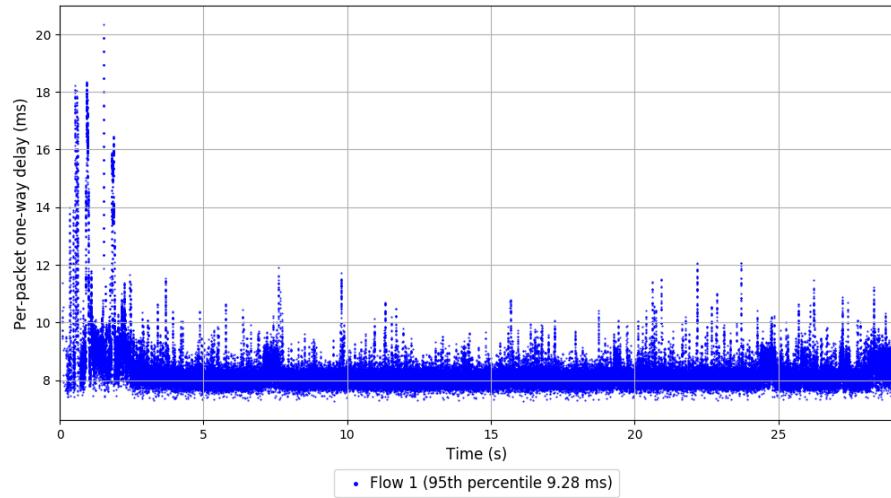
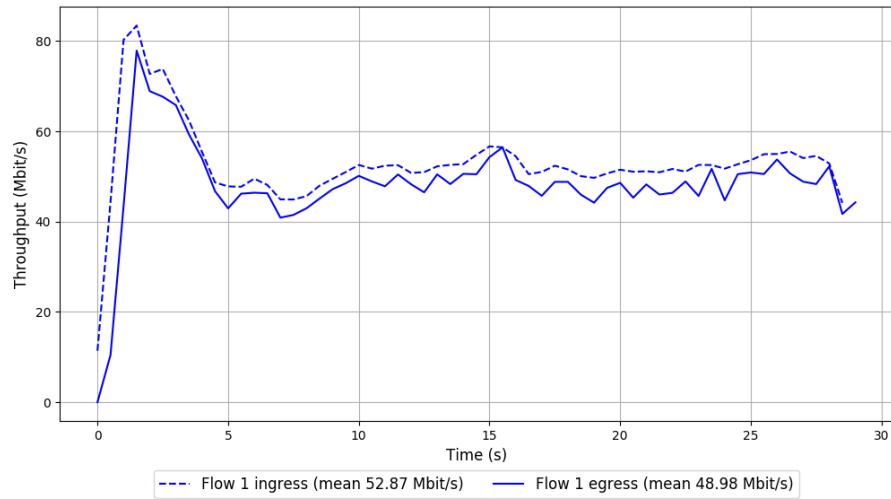


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-01-18 19:04:56
End at: 2019-01-18 19:05:26
Local clock offset: -4.433 ms
Remote clock offset: -1.038 ms

# Below is generated by plot.py at 2019-01-18 20:56:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 9.278 ms
Loss rate: 7.36%
-- Flow 1:
Average throughput: 48.98 Mbit/s
95th percentile per-packet one-way delay: 9.278 ms
Loss rate: 7.36%
```

Run 1: Report of Indigo-MusesC3 — Data Link

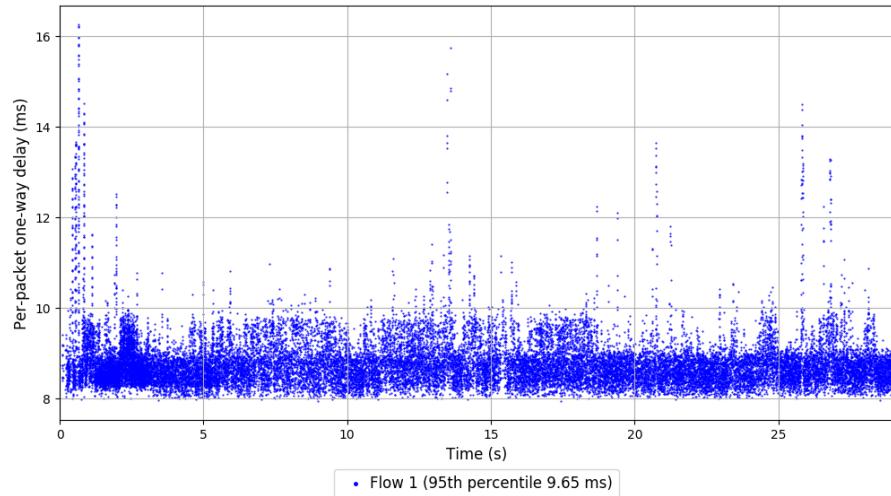
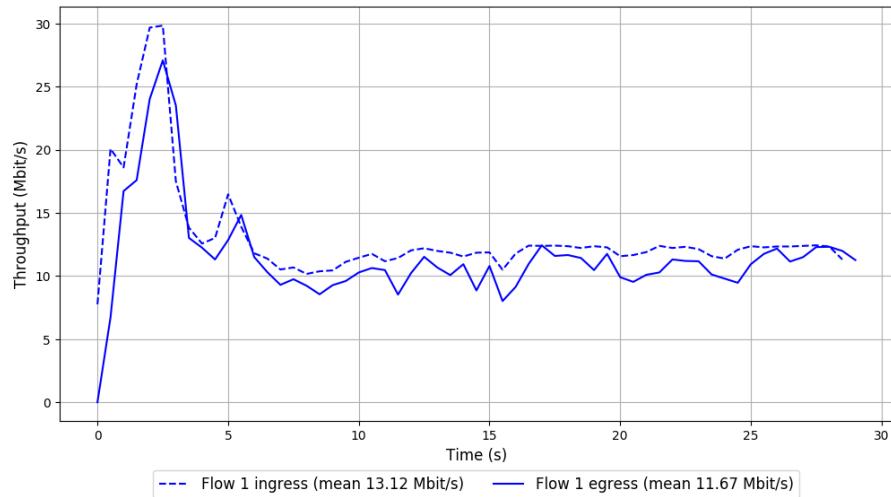


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-01-18 19:30:18
End at: 2019-01-18 19:30:48
Local clock offset: -1.035 ms
Remote clock offset: -0.798 ms

# Below is generated by plot.py at 2019-01-18 20:56:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.67 Mbit/s
95th percentile per-packet one-way delay: 9.650 ms
Loss rate: 11.00%
-- Flow 1:
Average throughput: 11.67 Mbit/s
95th percentile per-packet one-way delay: 9.650 ms
Loss rate: 11.00%
```

Run 2: Report of Indigo-MusesC3 — Data Link

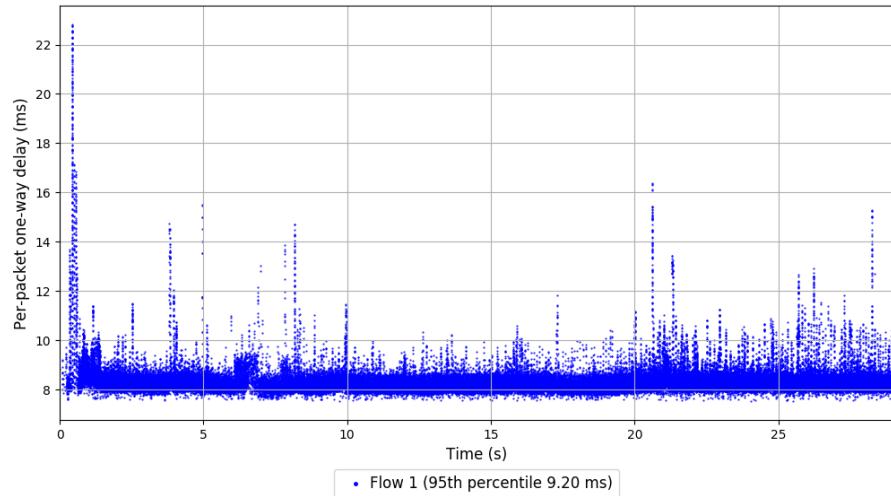
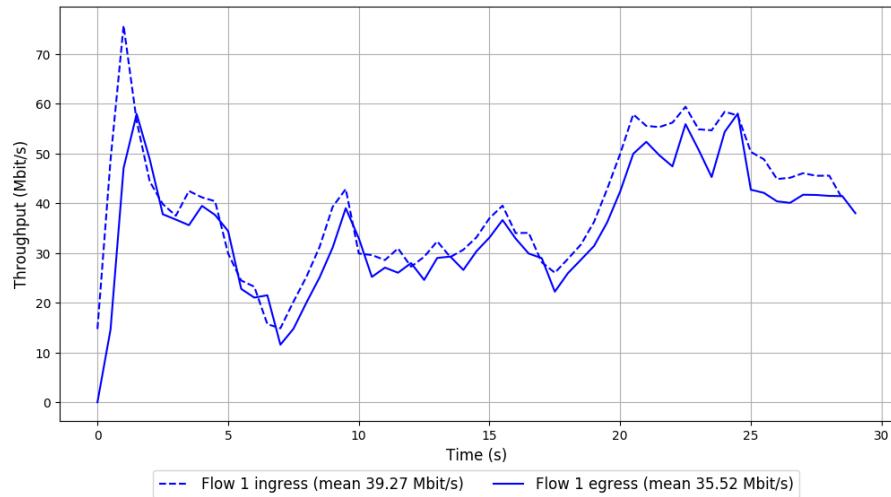


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-01-18 19:55:35
End at: 2019-01-18 19:56:05
Local clock offset: -1.616 ms
Remote clock offset: -1.455 ms

# Below is generated by plot.py at 2019-01-18 20:56:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.52 Mbit/s
95th percentile per-packet one-way delay: 9.199 ms
Loss rate: 9.54%
-- Flow 1:
Average throughput: 35.52 Mbit/s
95th percentile per-packet one-way delay: 9.199 ms
Loss rate: 9.54%
```

Run 3: Report of Indigo-MusesC3 — Data Link

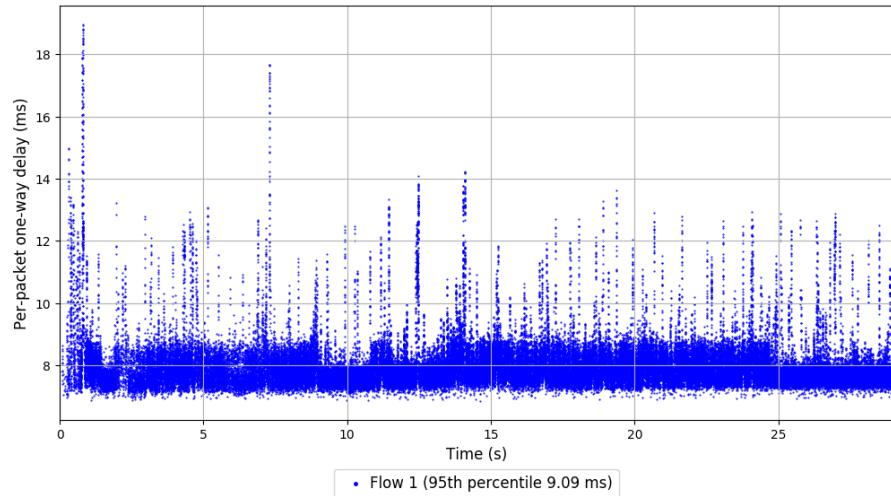
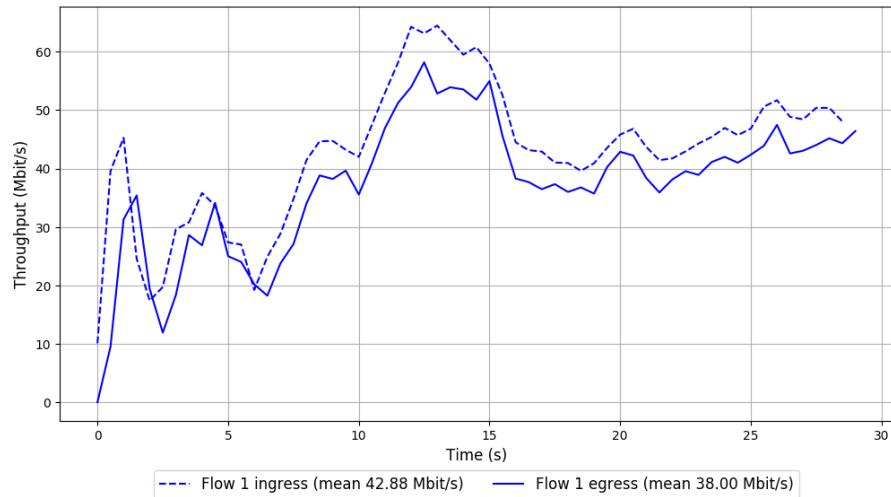


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-01-18 20:19:44
End at: 2019-01-18 20:20:14
Local clock offset: -1.774 ms
Remote clock offset: -2.113 ms

# Below is generated by plot.py at 2019-01-18 20:56:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 9.086 ms
Loss rate: 11.38%
-- Flow 1:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 9.086 ms
Loss rate: 11.38%
```

Run 4: Report of Indigo-MusesC3 — Data Link

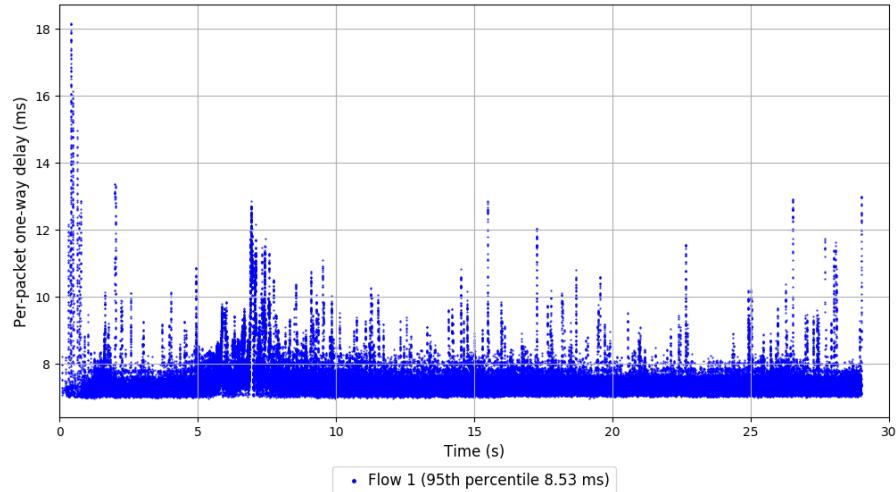
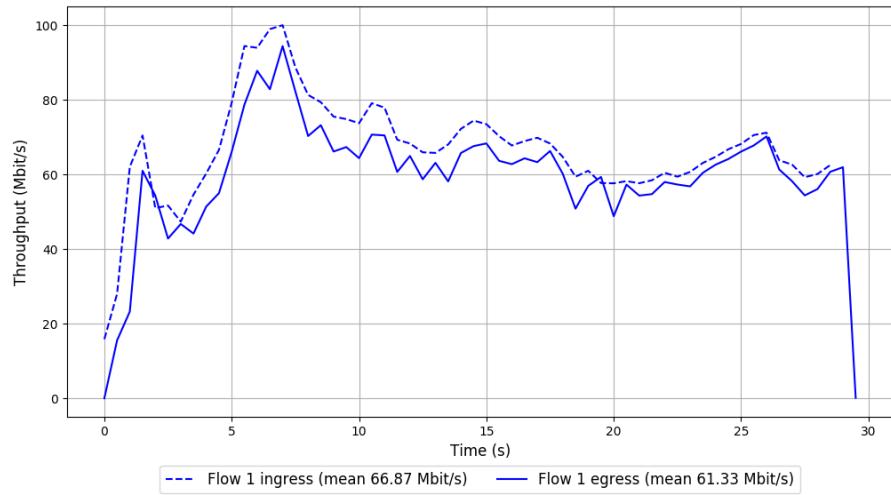


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-01-18 20:44:19
End at: 2019-01-18 20:44:49
Local clock offset: -0.441 ms
Remote clock offset: -2.451 ms

# Below is generated by plot.py at 2019-01-18 20:57:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.33 Mbit/s
95th percentile per-packet one-way delay: 8.527 ms
Loss rate: 8.27%
-- Flow 1:
Average throughput: 61.33 Mbit/s
95th percentile per-packet one-way delay: 8.527 ms
Loss rate: 8.27%
```

Run 5: Report of Indigo-MusesC3 — Data Link

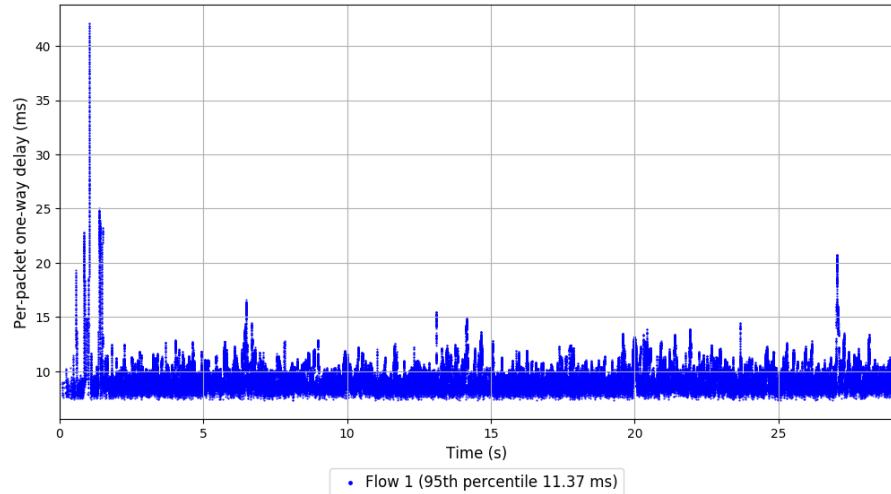
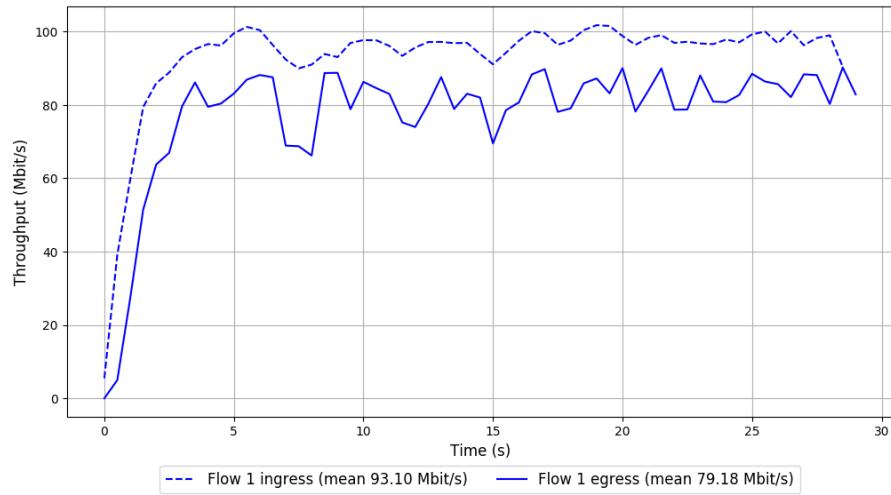


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-01-18 18:54:06
End at: 2019-01-18 18:54:36
Local clock offset: -4.291 ms
Remote clock offset: -1.209 ms

# Below is generated by plot.py at 2019-01-18 20:57:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.18 Mbit/s
95th percentile per-packet one-way delay: 11.374 ms
Loss rate: 14.95%
-- Flow 1:
Average throughput: 79.18 Mbit/s
95th percentile per-packet one-way delay: 11.374 ms
Loss rate: 14.95%
```

Run 1: Report of Indigo-MusesC5 — Data Link

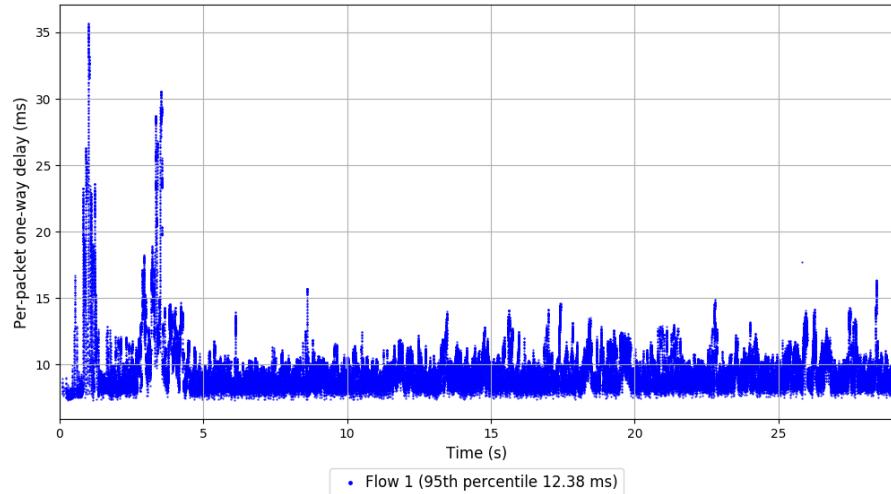
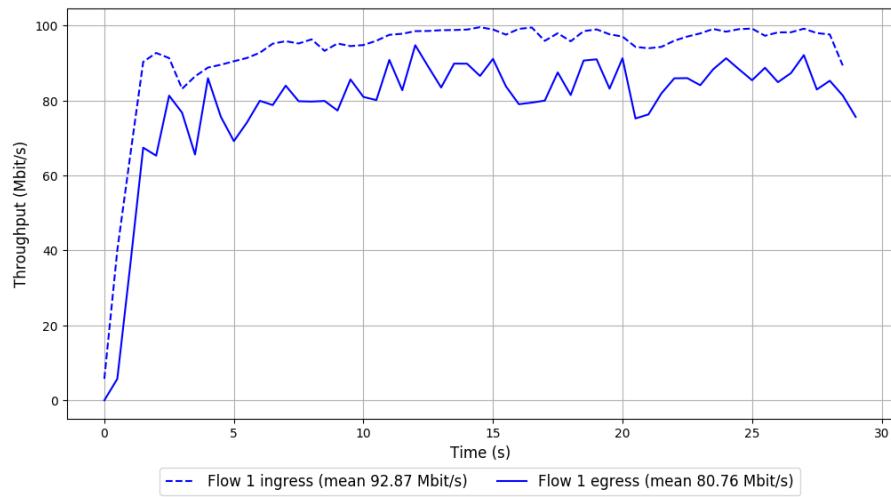


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-01-18 19:19:10
End at: 2019-01-18 19:19:40
Local clock offset: -4.174 ms
Remote clock offset: -1.597 ms

# Below is generated by plot.py at 2019-01-18 20:57:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.76 Mbit/s
95th percentile per-packet one-way delay: 12.378 ms
Loss rate: 13.04%
-- Flow 1:
Average throughput: 80.76 Mbit/s
95th percentile per-packet one-way delay: 12.378 ms
Loss rate: 13.04%
```

Run 2: Report of Indigo-MusesC5 — Data Link

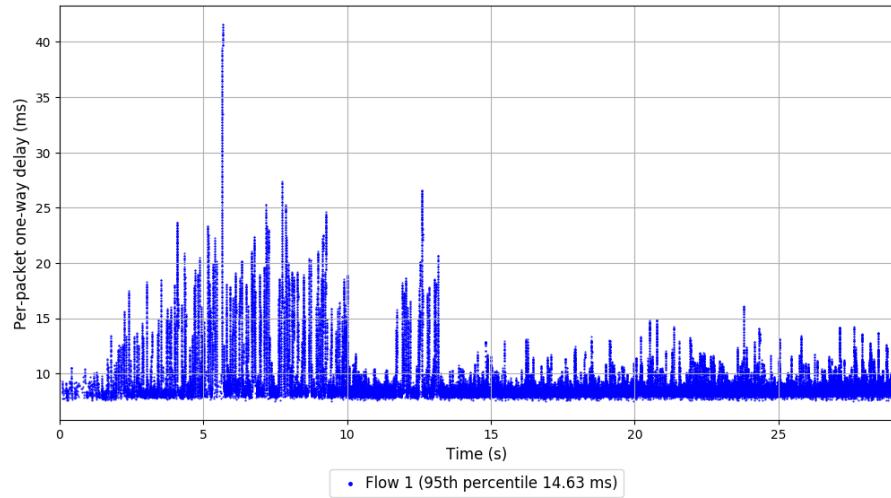
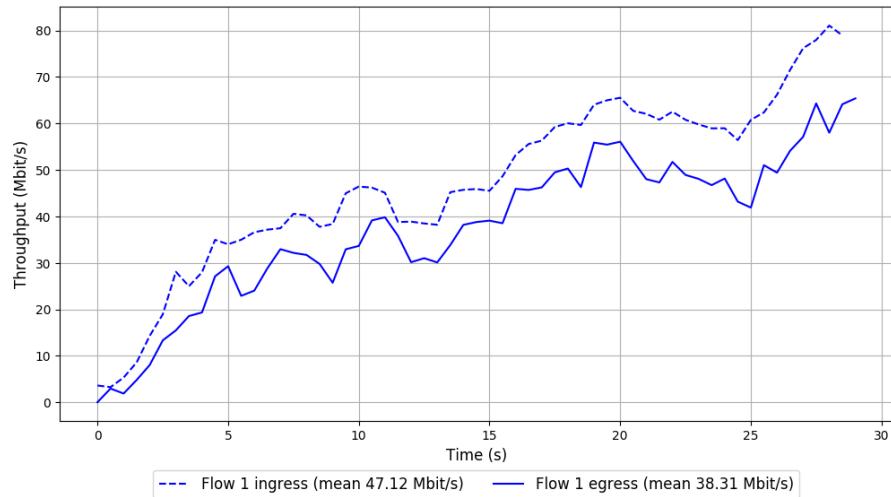


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-01-18 19:44:38
End at: 2019-01-18 19:45:08
Local clock offset: 0.674 ms
Remote clock offset: -0.849 ms

# Below is generated by plot.py at 2019-01-18 20:57:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.31 Mbit/s
95th percentile per-packet one-way delay: 14.631 ms
Loss rate: 18.72%
-- Flow 1:
Average throughput: 38.31 Mbit/s
95th percentile per-packet one-way delay: 14.631 ms
Loss rate: 18.72%
```

Run 3: Report of Indigo-MusesC5 — Data Link

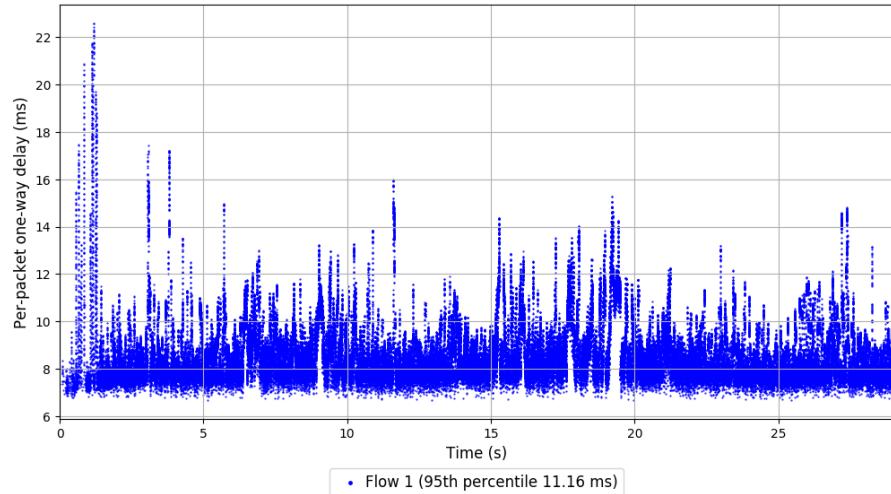
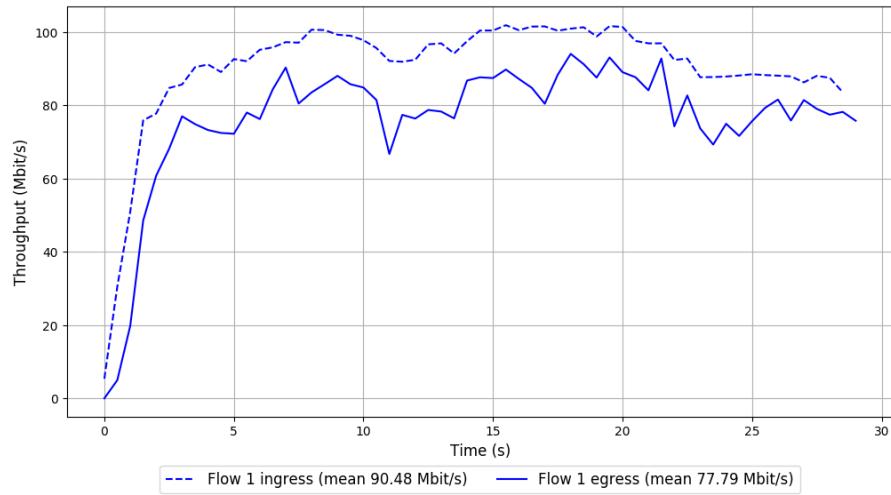


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-01-18 20:09:19
End at: 2019-01-18 20:09:49
Local clock offset: -1.382 ms
Remote clock offset: -1.209 ms

# Below is generated by plot.py at 2019-01-18 20:57:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.79 Mbit/s
95th percentile per-packet one-way delay: 11.160 ms
Loss rate: 14.03%
-- Flow 1:
Average throughput: 77.79 Mbit/s
95th percentile per-packet one-way delay: 11.160 ms
Loss rate: 14.03%
```

Run 4: Report of Indigo-MusesC5 — Data Link

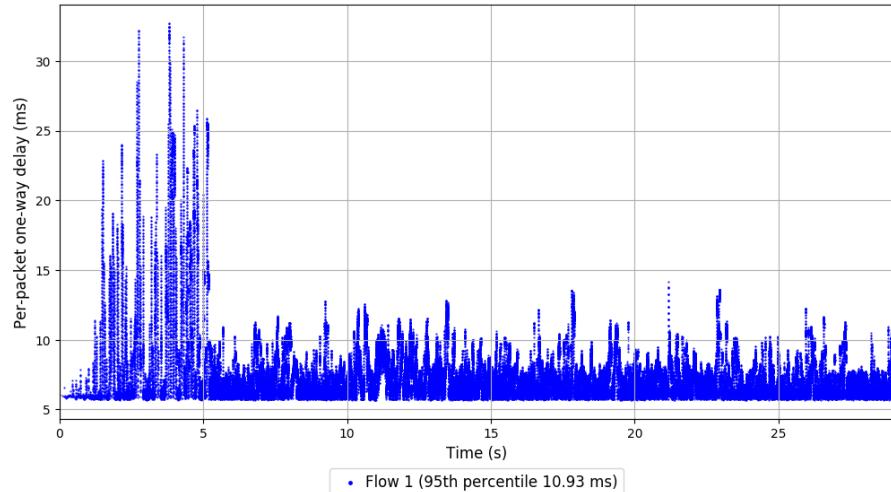
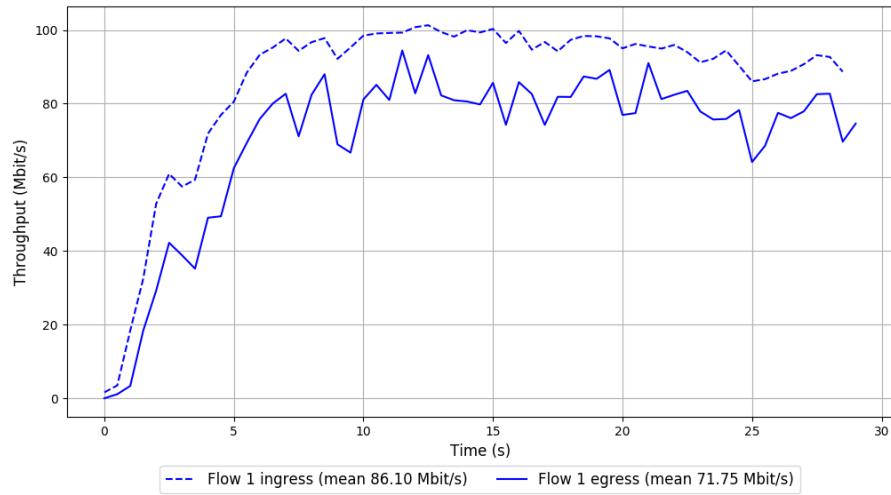


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-01-18 20:33:33
End at: 2019-01-18 20:34:03
Local clock offset: -0.25 ms
Remote clock offset: -2.925 ms

# Below is generated by plot.py at 2019-01-18 20:57:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.75 Mbit/s
95th percentile per-packet one-way delay: 10.927 ms
Loss rate: 16.66%
-- Flow 1:
Average throughput: 71.75 Mbit/s
95th percentile per-packet one-way delay: 10.927 ms
Loss rate: 16.66%
```

Run 5: Report of Indigo-MusesC5 — Data Link

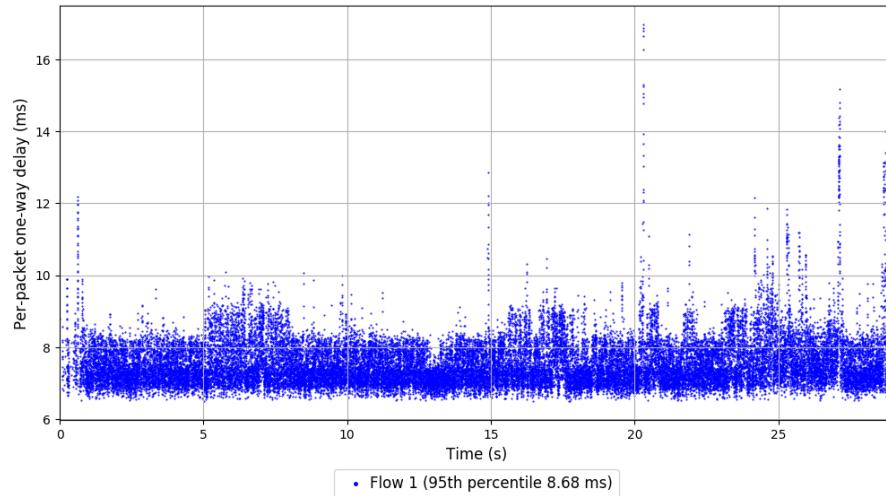
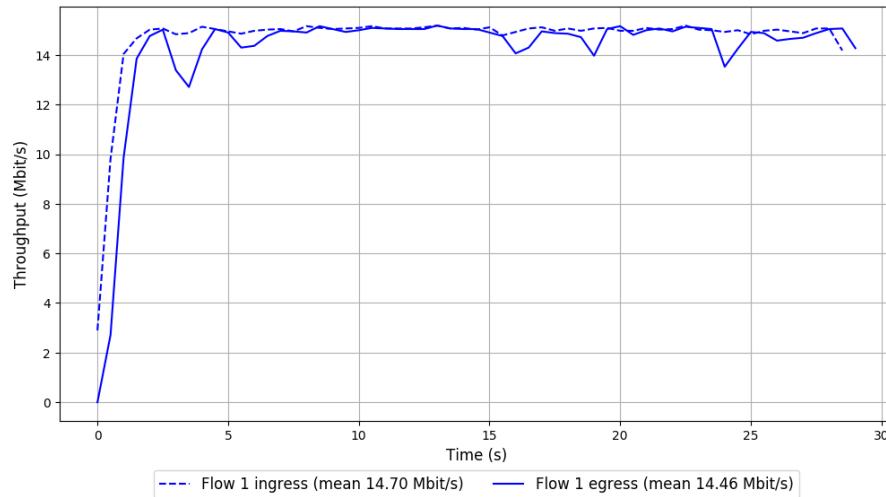


```
Run 1: Statistics of Indigo-MusesD
```

```
Start at: 2019-01-18 19:13:25
End at: 2019-01-18 19:13:55
Local clock offset: -4.373 ms
Remote clock offset: -1.465 ms

# Below is generated by plot.py at 2019-01-18 20:57:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.46 Mbit/s
95th percentile per-packet one-way delay: 8.681 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 14.46 Mbit/s
95th percentile per-packet one-way delay: 8.681 ms
Loss rate: 1.63%
```

Run 1: Report of Indigo-MusesD — Data Link

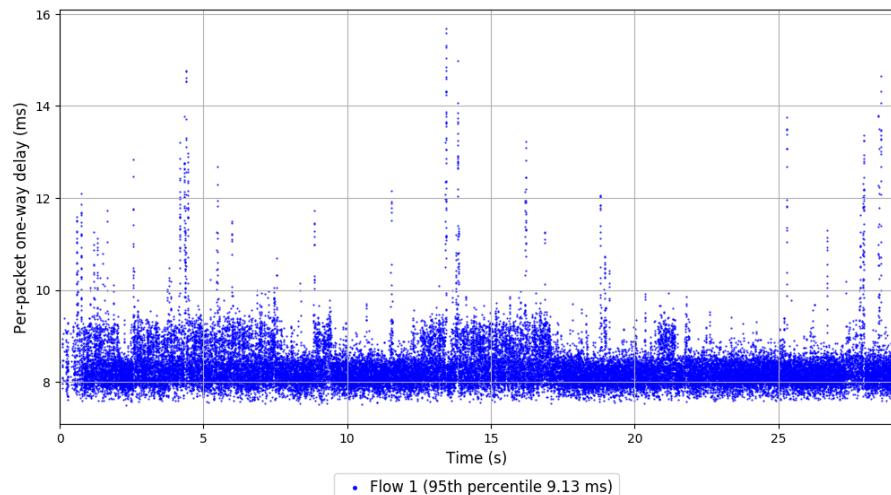
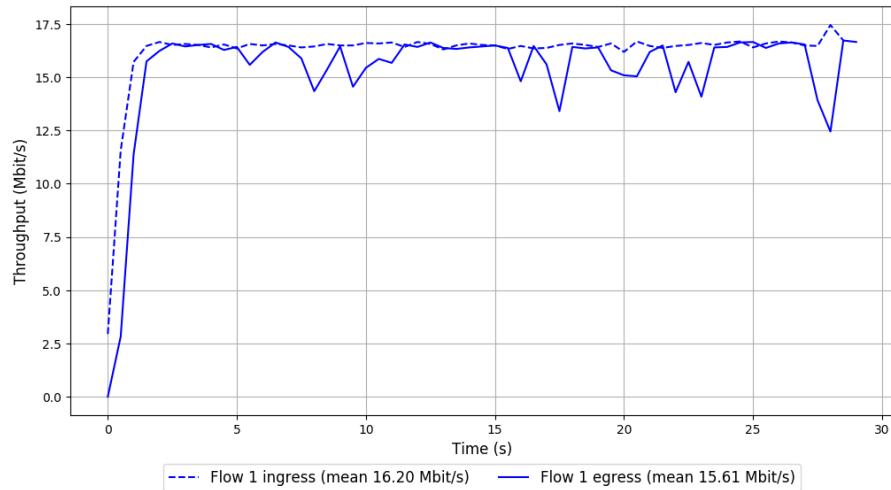


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-01-18 19:38:44
End at: 2019-01-18 19:39:14
Local clock offset: -0.076 ms
Remote clock offset: -1.203 ms

# Below is generated by plot.py at 2019-01-18 20:57:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 15.61 Mbit/s
95th percentile per-packet one-way delay: 9.131 ms
Loss rate: 3.64%
-- Flow 1:
Average throughput: 15.61 Mbit/s
95th percentile per-packet one-way delay: 9.131 ms
Loss rate: 3.64%
```

Run 2: Report of Indigo-MusesD — Data Link

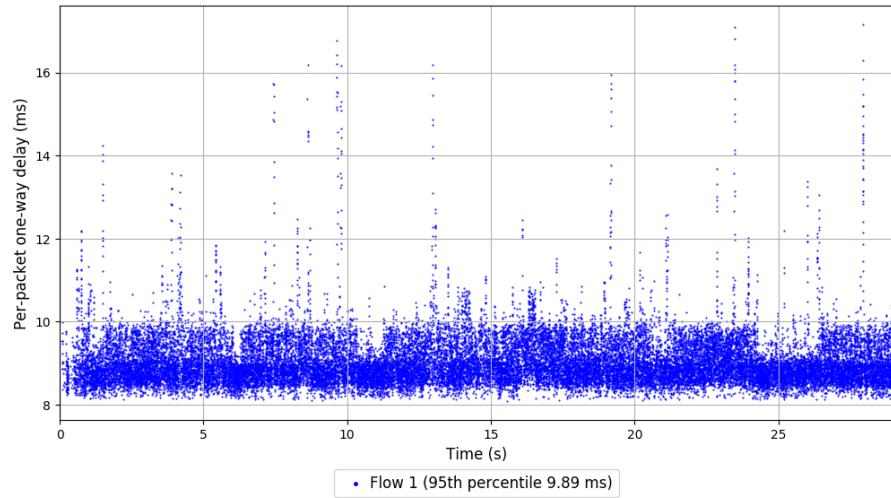
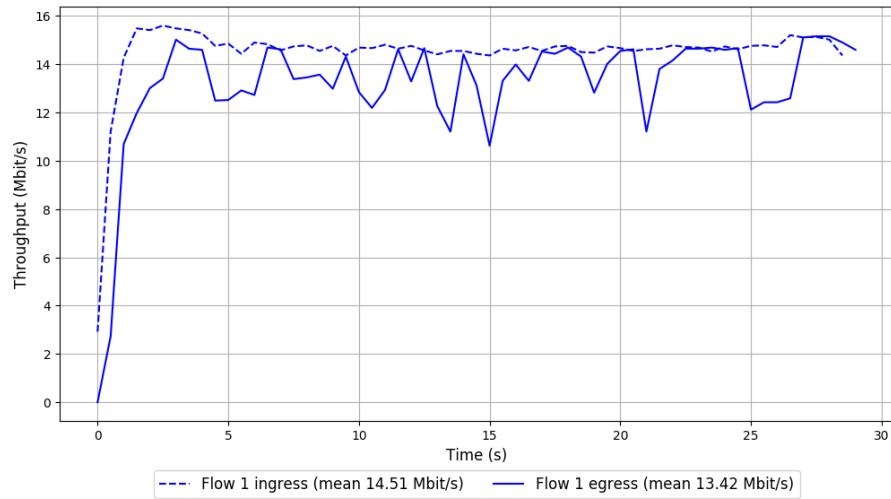


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-01-18 20:03:45
End at: 2019-01-18 20:04:15
Local clock offset: -2.965 ms
Remote clock offset: -1.737 ms

# Below is generated by plot.py at 2019-01-18 20:57:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.42 Mbit/s
95th percentile per-packet one-way delay: 9.895 ms
Loss rate: 7.49%
-- Flow 1:
Average throughput: 13.42 Mbit/s
95th percentile per-packet one-way delay: 9.895 ms
Loss rate: 7.49%
```

Run 3: Report of Indigo-MusesD — Data Link

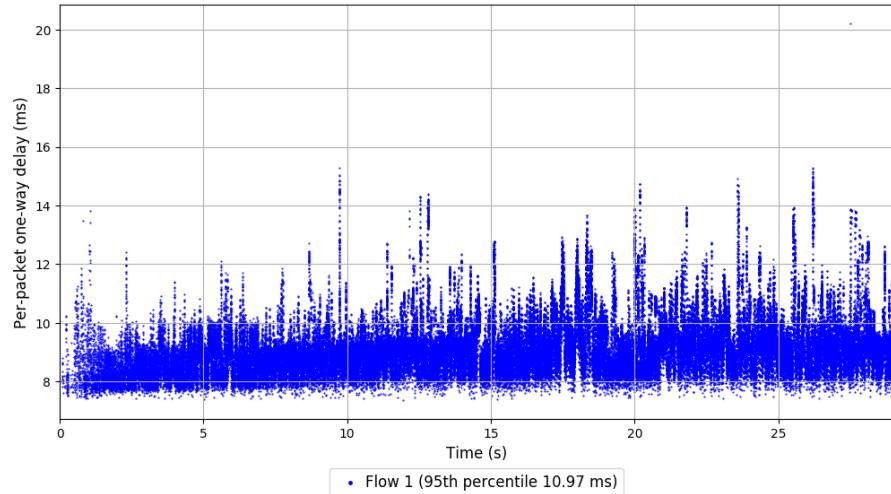
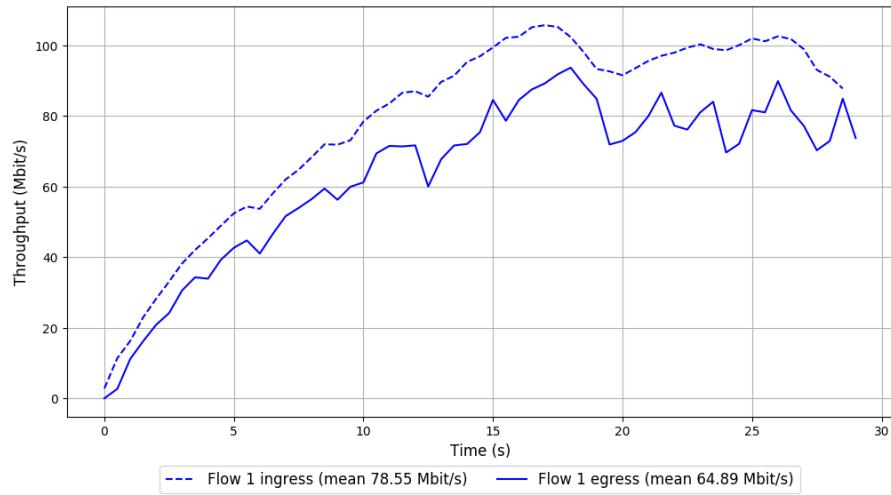


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-01-18 20:27:48
End at: 2019-01-18 20:28:18
Local clock offset: -1.67 ms
Remote clock offset: -2.389 ms

# Below is generated by plot.py at 2019-01-18 20:57:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.89 Mbit/s
95th percentile per-packet one-way delay: 10.966 ms
Loss rate: 17.39%
-- Flow 1:
Average throughput: 64.89 Mbit/s
95th percentile per-packet one-way delay: 10.966 ms
Loss rate: 17.39%
```

Run 4: Report of Indigo-MusesD — Data Link

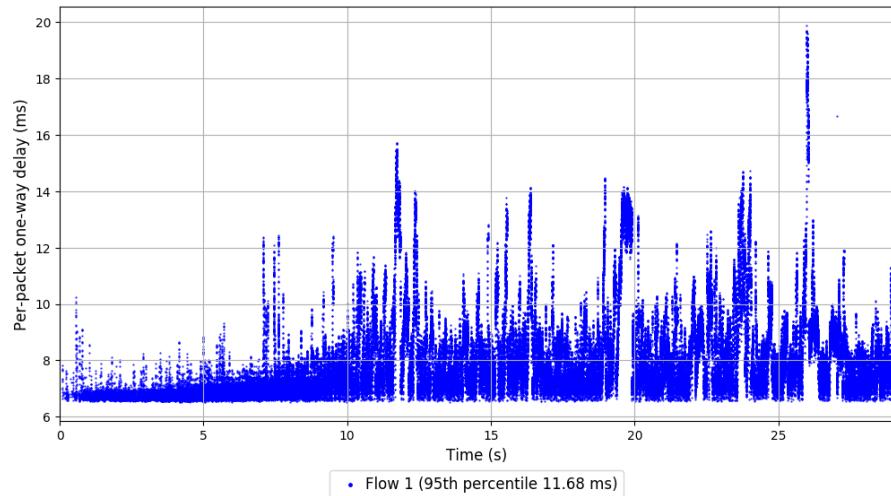
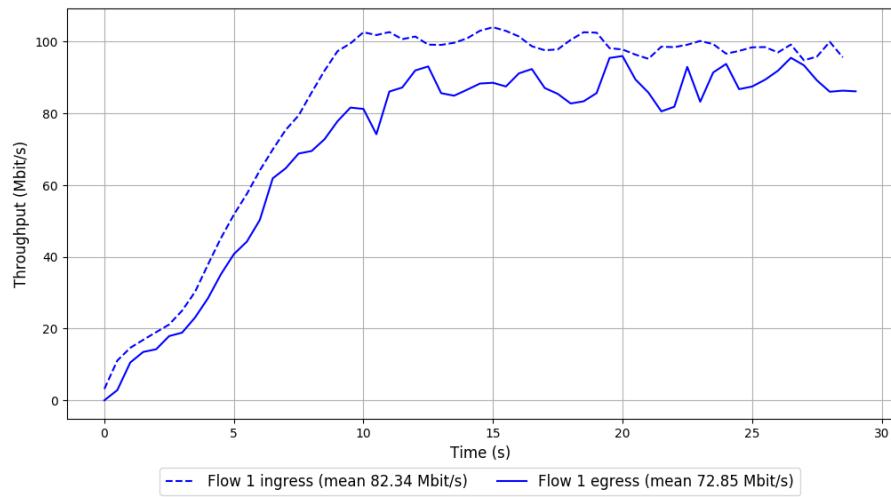


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-01-18 20:52:49
End at: 2019-01-18 20:53:19
Local clock offset: 0.194 ms
Remote clock offset: -2.295 ms

# Below is generated by plot.py at 2019-01-18 20:58:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.85 Mbit/s
95th percentile per-packet one-way delay: 11.683 ms
Loss rate: 11.53%
-- Flow 1:
Average throughput: 72.85 Mbit/s
95th percentile per-packet one-way delay: 11.683 ms
Loss rate: 11.53%
```

Run 5: Report of Indigo-MusesD — Data Link

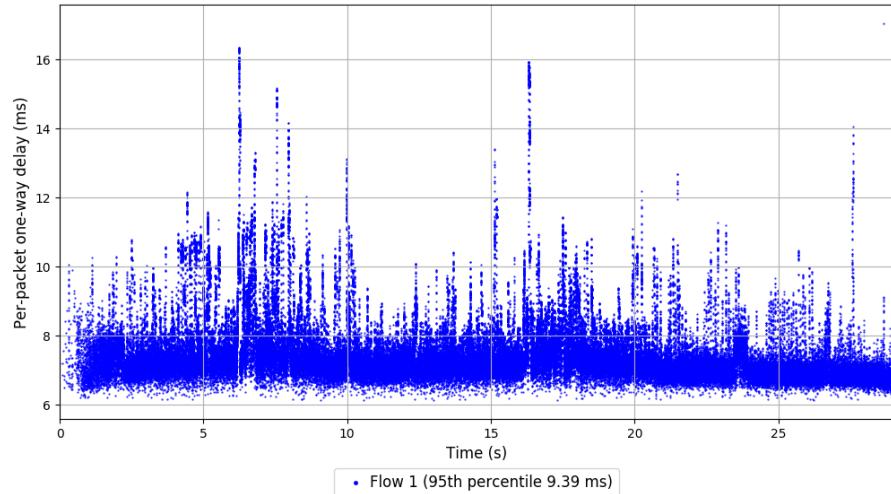
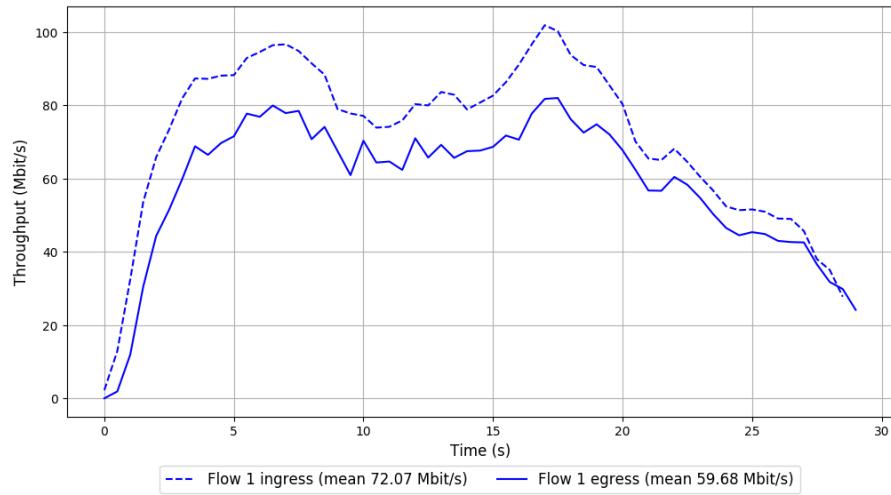


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-01-18 19:01:12
End at: 2019-01-18 19:01:42
Local clock offset: -3.351 ms
Remote clock offset: -1.206 ms

# Below is generated by plot.py at 2019-01-18 20:58:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.68 Mbit/s
95th percentile per-packet one-way delay: 9.393 ms
Loss rate: 17.19%
-- Flow 1:
Average throughput: 59.68 Mbit/s
95th percentile per-packet one-way delay: 9.393 ms
Loss rate: 17.19%
```

Run 1: Report of Indigo-MusesT — Data Link

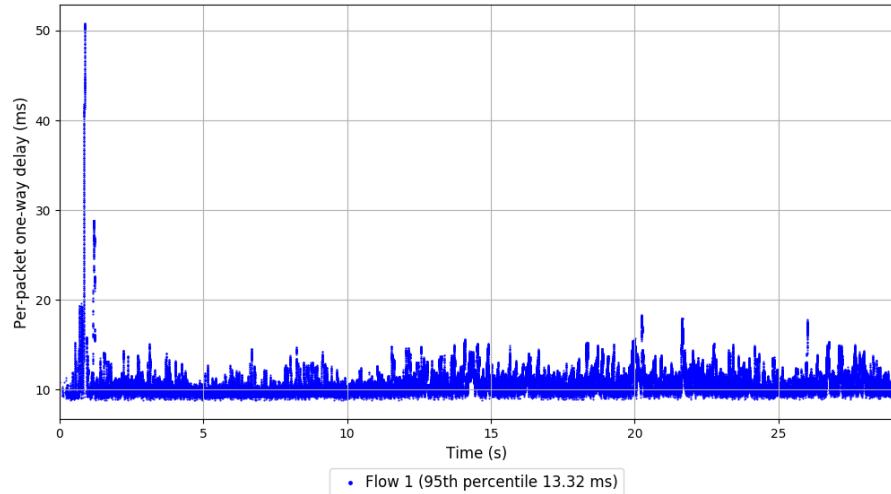
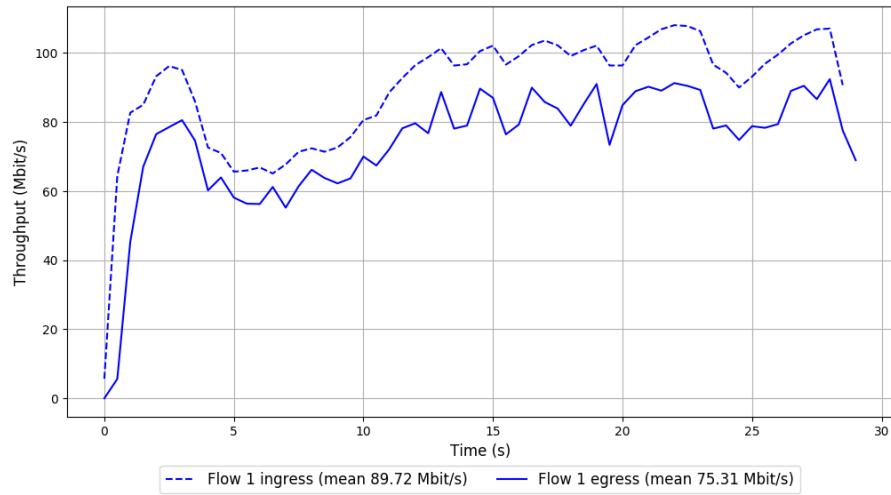


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-01-18 19:26:26
End at: 2019-01-18 19:26:56
Local clock offset: -2.646 ms
Remote clock offset: -0.853 ms

# Below is generated by plot.py at 2019-01-18 20:58:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.31 Mbit/s
95th percentile per-packet one-way delay: 13.322 ms
Loss rate: 16.06%
-- Flow 1:
Average throughput: 75.31 Mbit/s
95th percentile per-packet one-way delay: 13.322 ms
Loss rate: 16.06%
```

Run 2: Report of Indigo-MusesT — Data Link

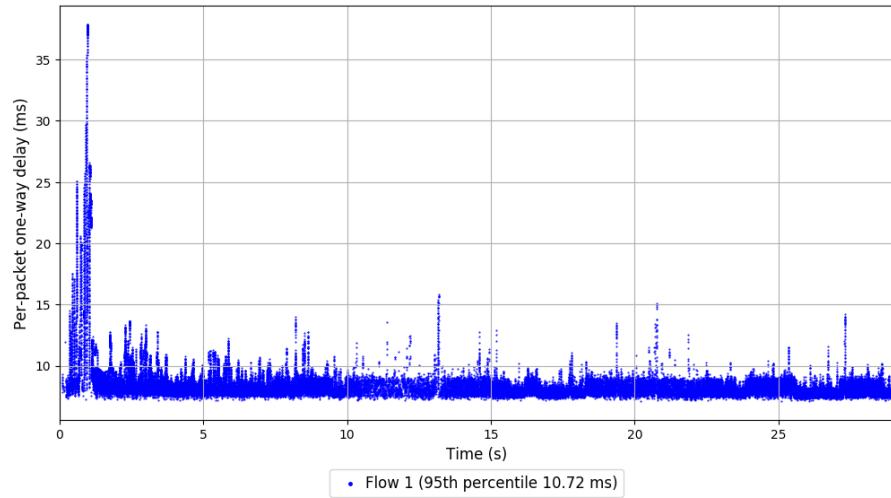
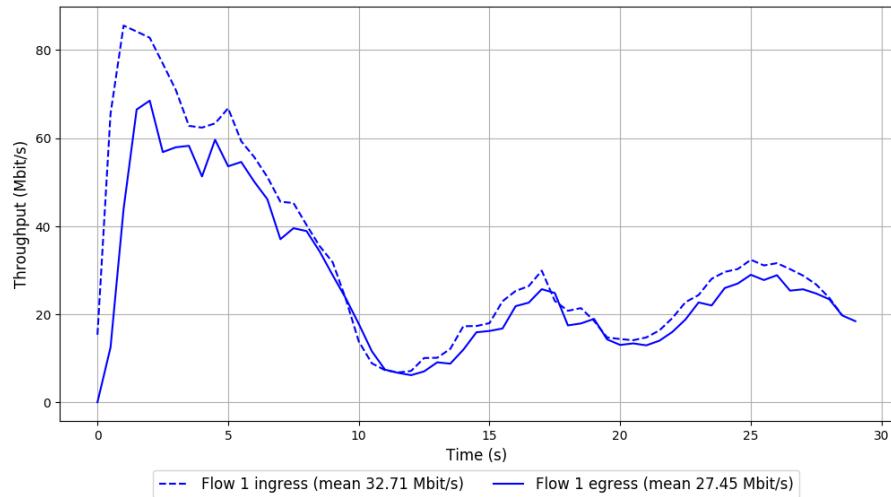


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-01-18 19:52:02
End at: 2019-01-18 19:52:32
Local clock offset: -0.389 ms
Remote clock offset: -1.189 ms

# Below is generated by plot.py at 2019-01-18 20:58:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.45 Mbit/s
95th percentile per-packet one-way delay: 10.723 ms
Loss rate: 16.09%
-- Flow 1:
Average throughput: 27.45 Mbit/s
95th percentile per-packet one-way delay: 10.723 ms
Loss rate: 16.09%
```

Run 3: Report of Indigo-MusesT — Data Link

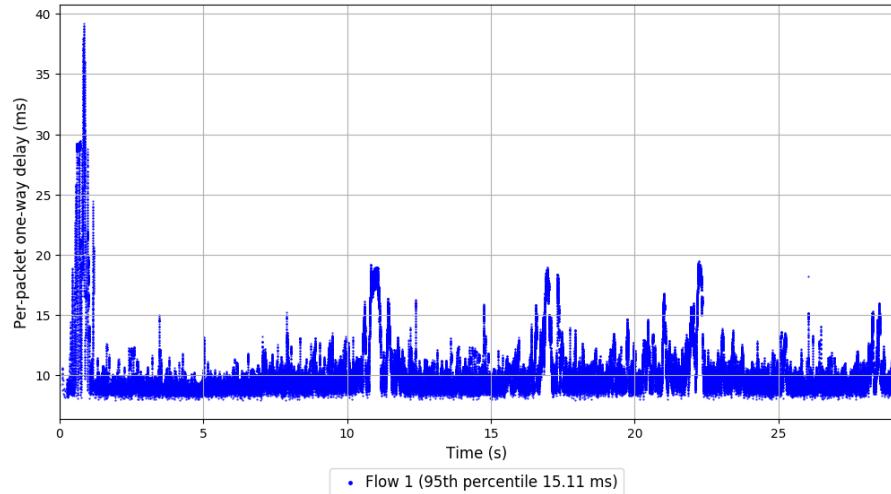
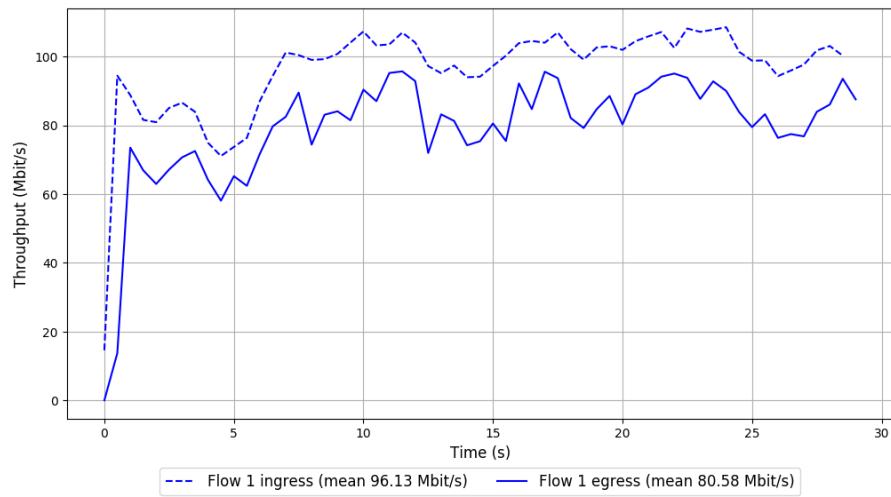


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-01-18 20:16:08
End at: 2019-01-18 20:16:38
Local clock offset: -2.581 ms
Remote clock offset: -1.139 ms

# Below is generated by plot.py at 2019-01-18 20:58:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.58 Mbit/s
95th percentile per-packet one-way delay: 15.109 ms
Loss rate: 16.18%
-- Flow 1:
Average throughput: 80.58 Mbit/s
95th percentile per-packet one-way delay: 15.109 ms
Loss rate: 16.18%
```

Run 4: Report of Indigo-MusesT — Data Link

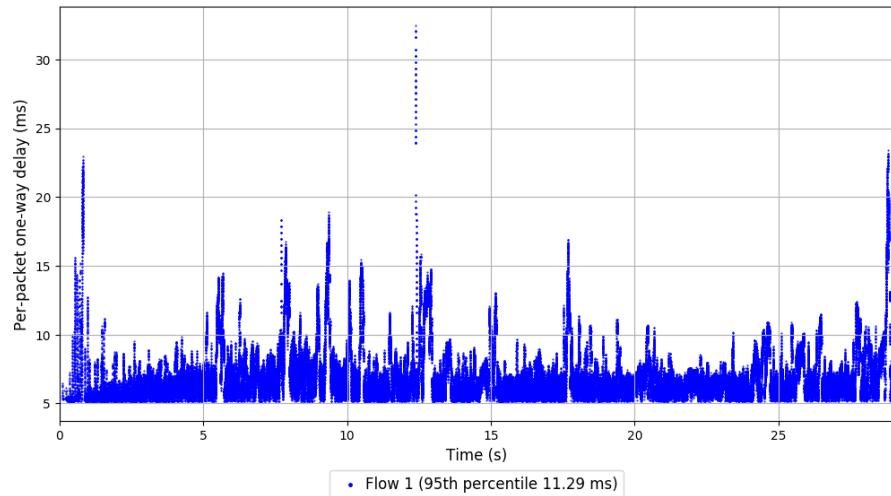
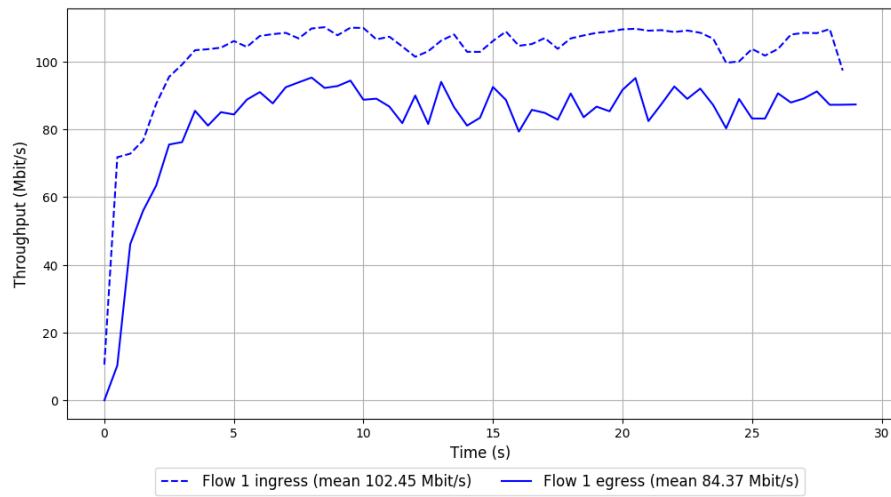


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-01-18 20:40:30
End at: 2019-01-18 20:41:00
Local clock offset: 0.748 ms
Remote clock offset: -3.025 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.37 Mbit/s
95th percentile per-packet one-way delay: 11.288 ms
Loss rate: 17.64%
-- Flow 1:
Average throughput: 84.37 Mbit/s
95th percentile per-packet one-way delay: 11.288 ms
Loss rate: 17.64%
```

Run 5: Report of Indigo-MusesT — Data Link

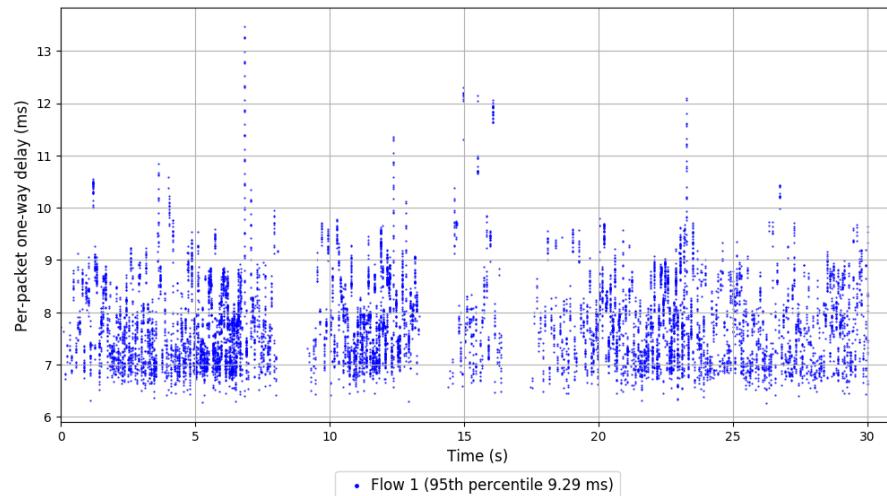
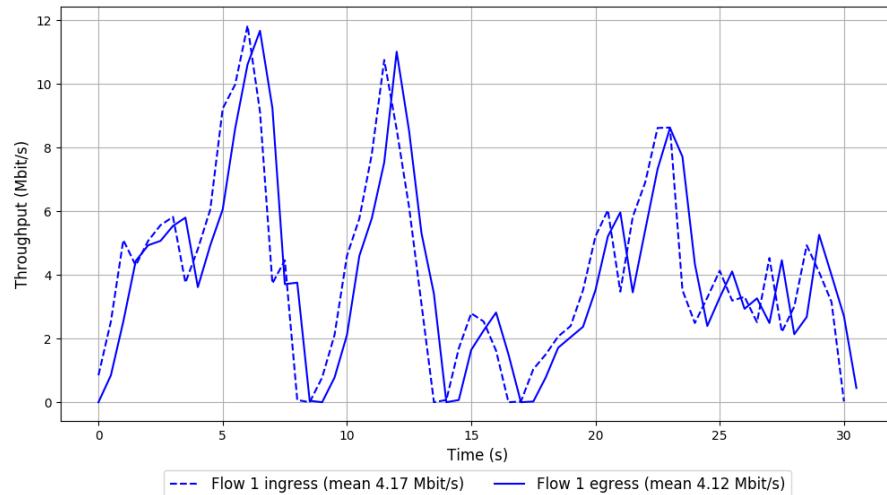


```
Run 1: Statistics of LEDBAT

Start at: 2019-01-18 18:51:54
End at: 2019-01-18 18:52:24
Local clock offset: -3.295 ms
Remote clock offset: -1.426 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 9.285 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 4.12 Mbit/s
95th percentile per-packet one-way delay: 9.285 ms
Loss rate: 1.14%
```

Run 1: Report of LEDBAT — Data Link

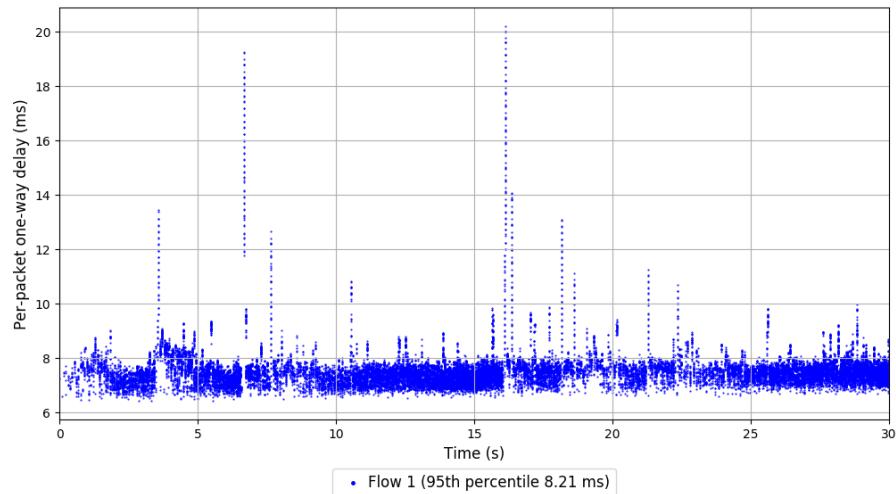
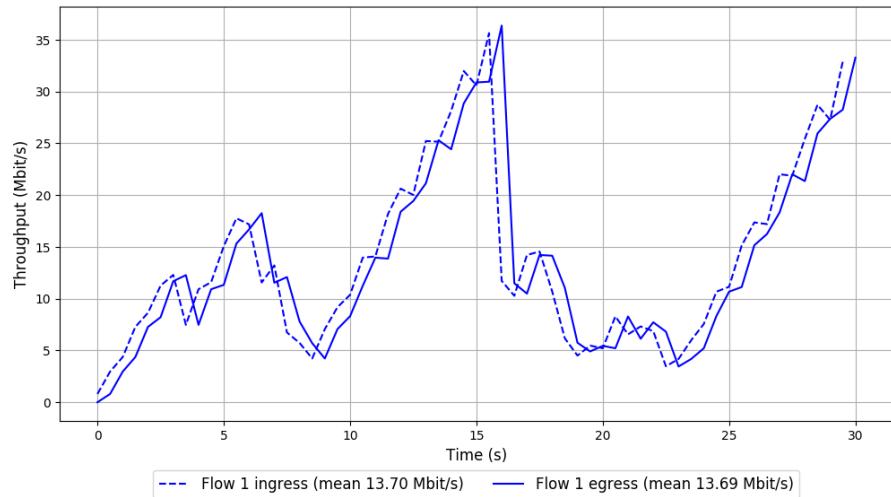


Run 2: Statistics of LEDBAT

```
Start at: 2019-01-18 19:16:55
End at: 2019-01-18 19:17:25
Local clock offset: -3.9 ms
Remote clock offset: -1.204 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.69 Mbit/s
95th percentile per-packet one-way delay: 8.215 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 13.69 Mbit/s
95th percentile per-packet one-way delay: 8.215 ms
Loss rate: 0.05%
```

Run 2: Report of LEDBAT — Data Link

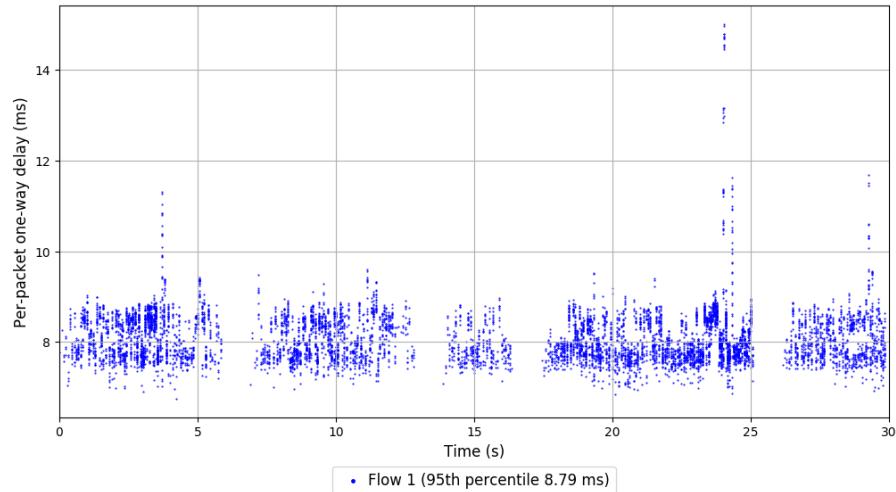
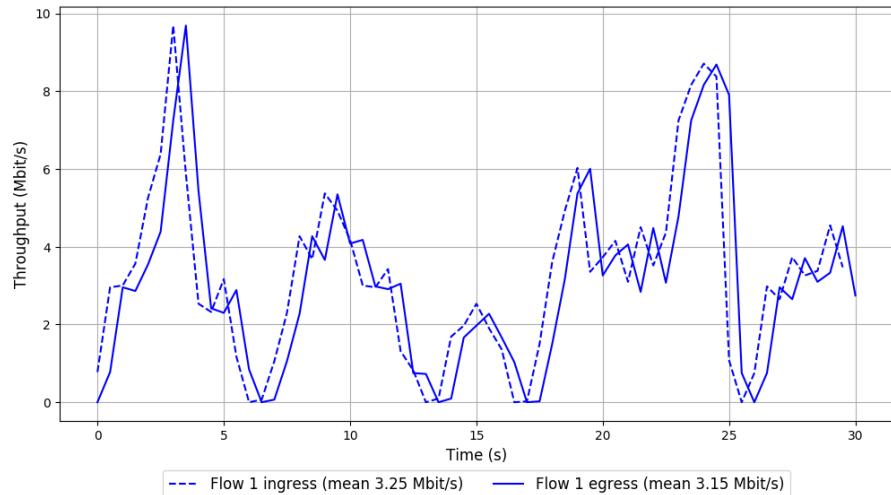


Run 3: Statistics of LEDBAT

```
Start at: 2019-01-18 19:42:13
End at: 2019-01-18 19:42:43
Local clock offset: 0.677 ms
Remote clock offset: -1.466 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.15 Mbit/s
95th percentile per-packet one-way delay: 8.785 ms
Loss rate: 3.35%
-- Flow 1:
Average throughput: 3.15 Mbit/s
95th percentile per-packet one-way delay: 8.785 ms
Loss rate: 3.35%
```

Run 3: Report of LEDBAT — Data Link

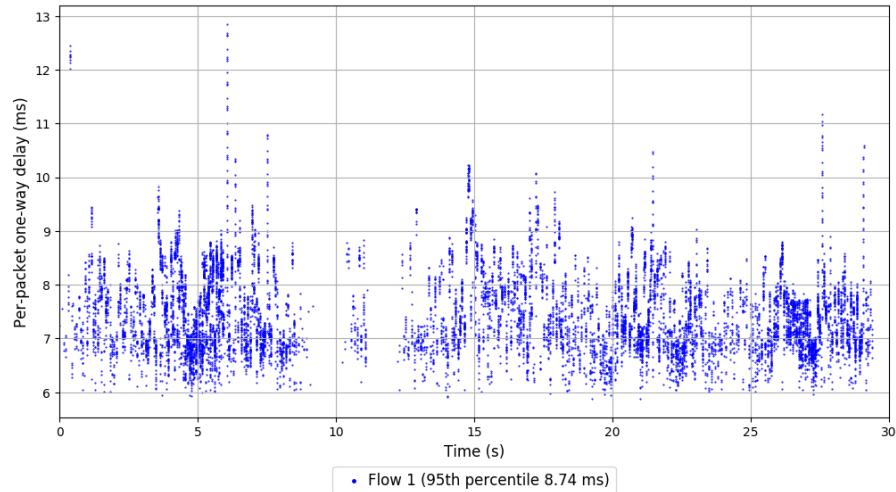
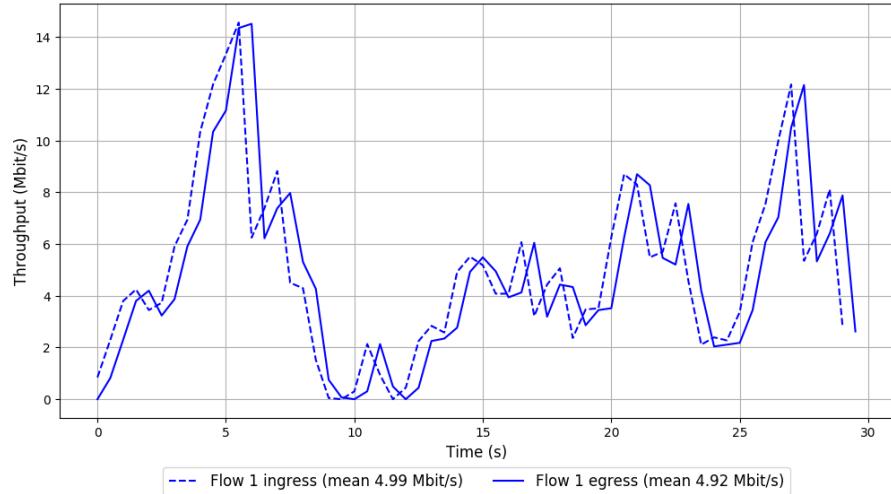


Run 4: Statistics of LEDBAT

```
Start at: 2019-01-18 20:07:06
End at: 2019-01-18 20:07:36
Local clock offset: -0.801 ms
Remote clock offset: -1.542 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.92 Mbit/s
95th percentile per-packet one-way delay: 8.738 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 4.92 Mbit/s
95th percentile per-packet one-way delay: 8.738 ms
Loss rate: 1.45%
```

Run 4: Report of LEDBAT — Data Link

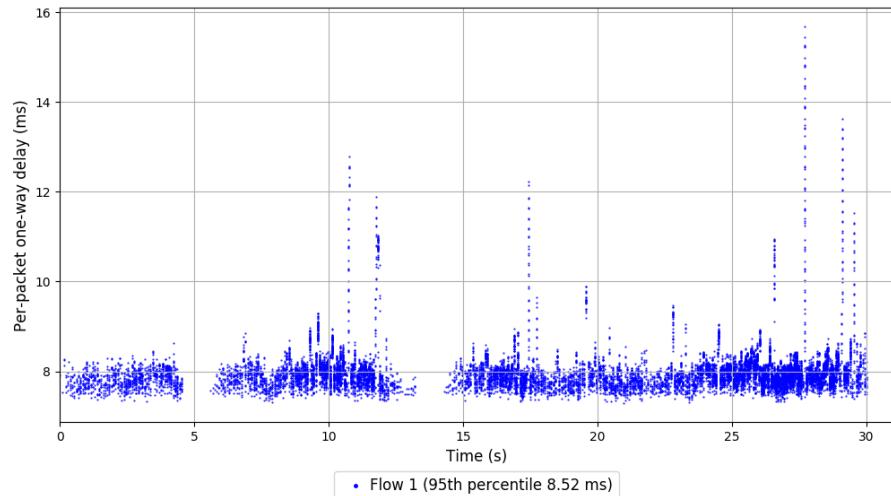
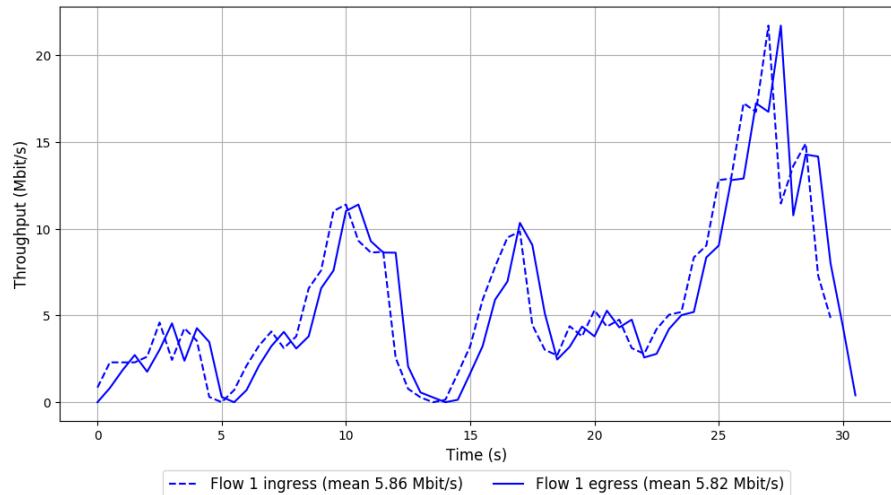


Run 5: Statistics of LEDBAT

```
Start at: 2019-01-18 20:31:21
End at: 2019-01-18 20:31:51
Local clock offset: -0.501 ms
Remote clock offset: -1.465 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 8.524 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 5.82 Mbit/s
95th percentile per-packet one-way delay: 8.524 ms
Loss rate: 0.63%
```

Run 5: Report of LEDBAT — Data Link

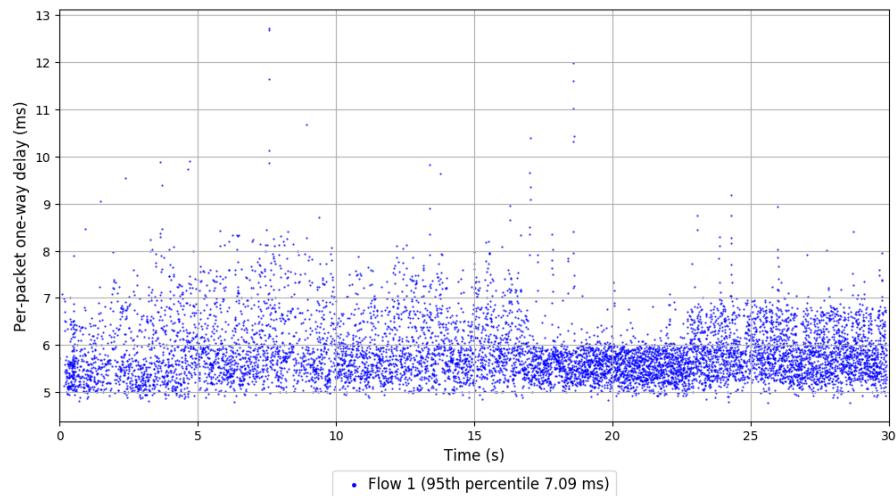
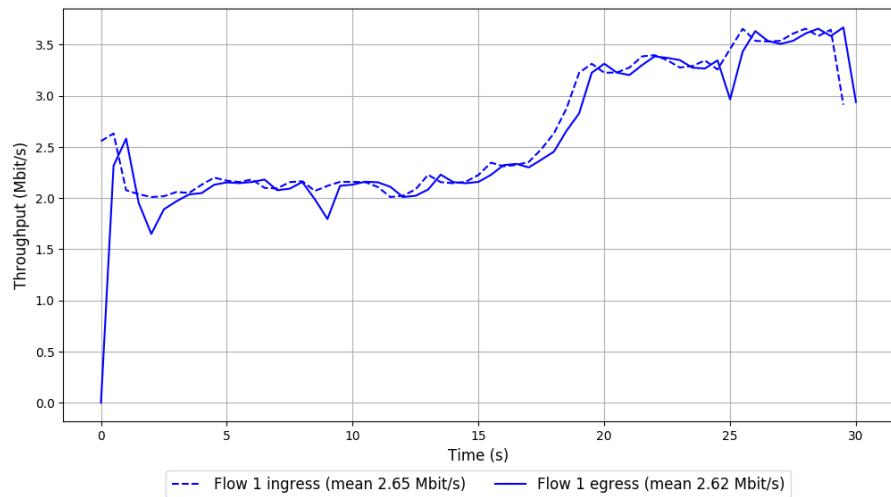


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-01-18 18:50:48
End at: 2019-01-18 18:51:18
Local clock offset: -2.569 ms
Remote clock offset: -2.003 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 7.092 ms
Loss rate: 1.25%
-- Flow 1:
Average throughput: 2.62 Mbit/s
95th percentile per-packet one-way delay: 7.092 ms
Loss rate: 1.25%
```

Run 1: Report of PCC-Allegro — Data Link

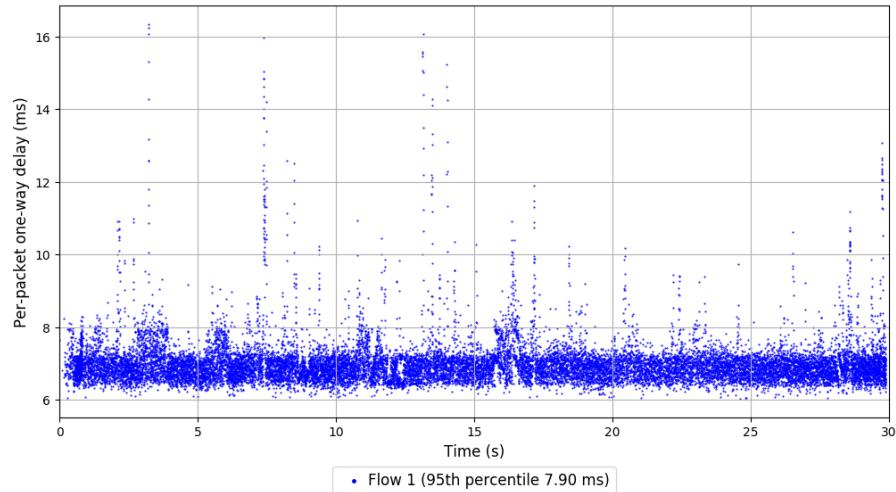
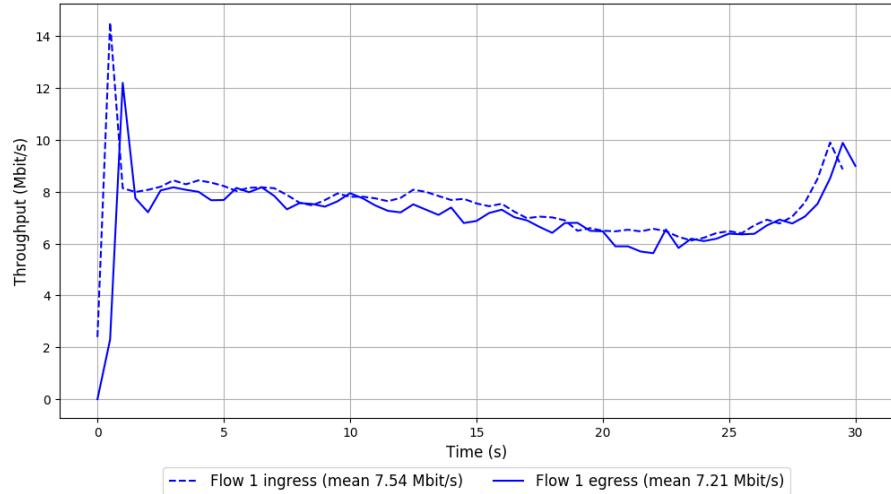


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-01-18 19:15:48
End at: 2019-01-18 19:16:18
Local clock offset: -4.261 ms
Remote clock offset: -1.528 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 7.898 ms
Loss rate: 4.29%
-- Flow 1:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 7.898 ms
Loss rate: 4.29%
```

Run 2: Report of PCC-Allegro — Data Link

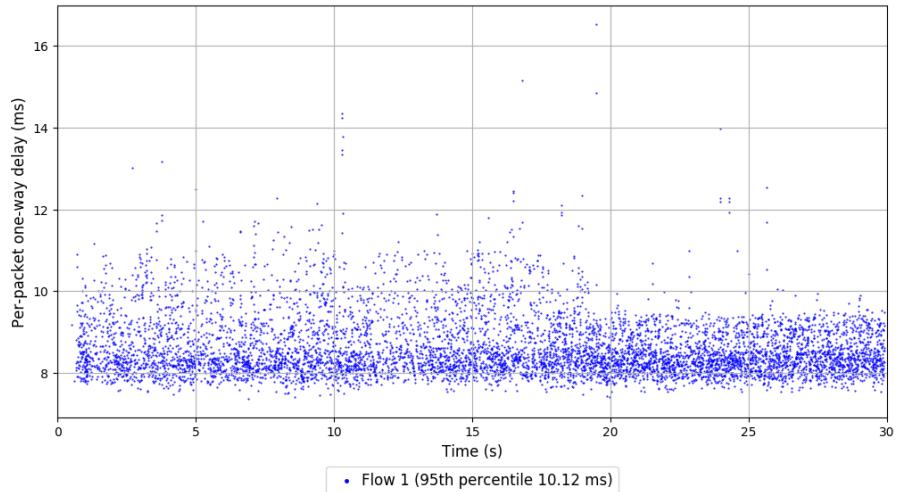
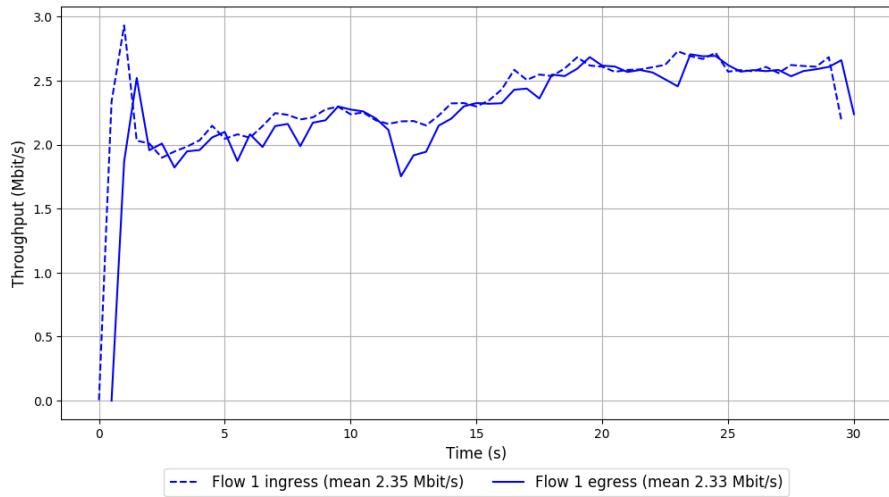


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-01-18 19:41:07
End at: 2019-01-18 19:41:37
Local clock offset: -0.224 ms
Remote clock offset: -1.452 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 10.123 ms
Loss rate: 2.52%
-- Flow 1:
Average throughput: 2.33 Mbit/s
95th percentile per-packet one-way delay: 10.123 ms
Loss rate: 2.52%
```

Run 3: Report of PCC-Allegro — Data Link

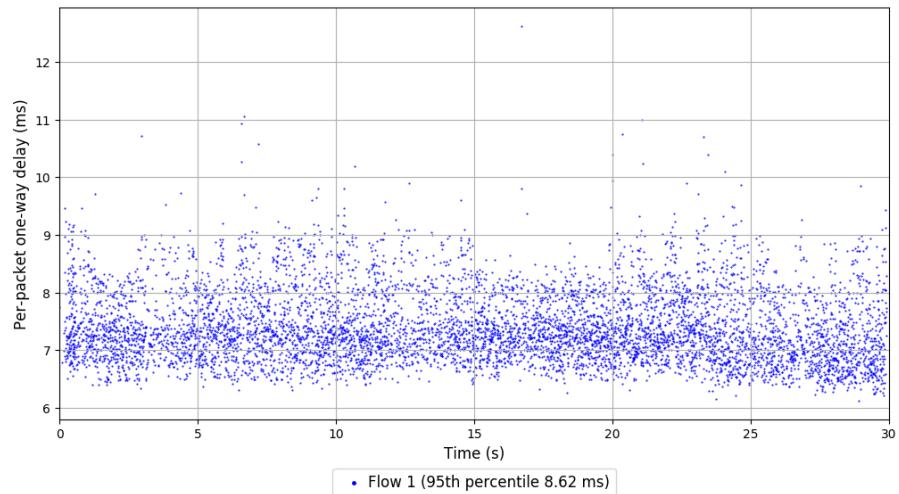
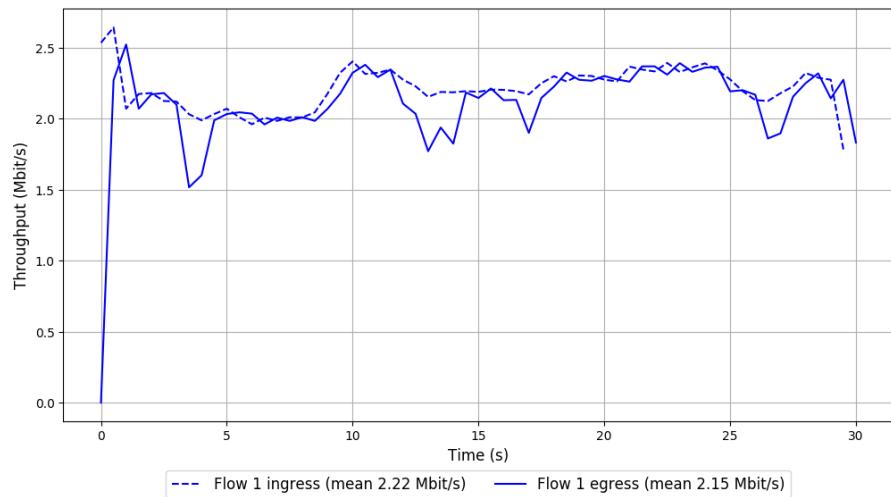


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-01-18 20:06:00
End at: 2019-01-18 20:06:30
Local clock offset: -1.547 ms
Remote clock offset: -1.882 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 8.616 ms
Loss rate: 3.30%
-- Flow 1:
Average throughput: 2.15 Mbit/s
95th percentile per-packet one-way delay: 8.616 ms
Loss rate: 3.30%
```

Run 4: Report of PCC-Allegro — Data Link

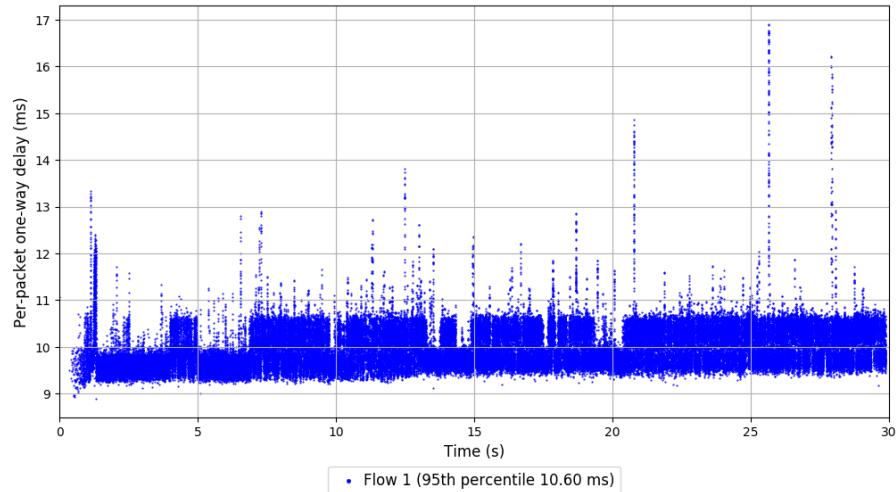
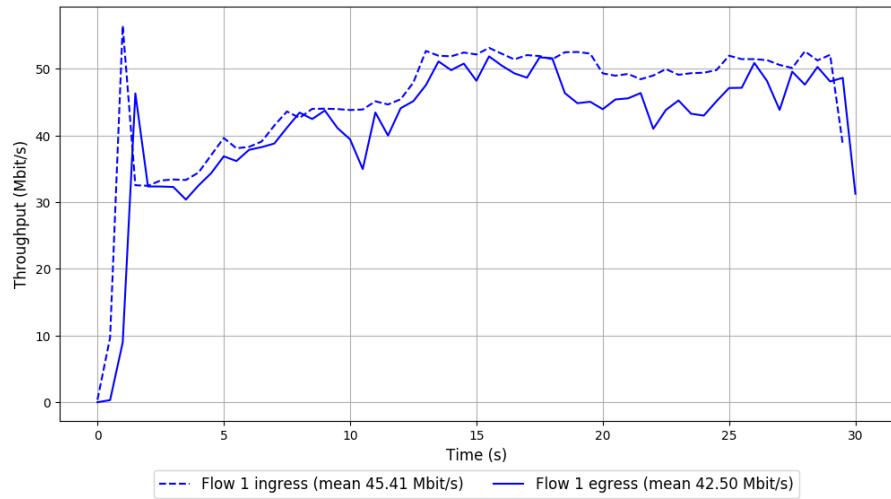


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-01-18 20:30:08
End at: 2019-01-18 20:30:38
Local clock offset: -2.259 ms
Remote clock offset: -1.629 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.50 Mbit/s
95th percentile per-packet one-way delay: 10.597 ms
Loss rate: 6.41%
-- Flow 1:
Average throughput: 42.50 Mbit/s
95th percentile per-packet one-way delay: 10.597 ms
Loss rate: 6.41%
```

Run 5: Report of PCC-Allegro — Data Link

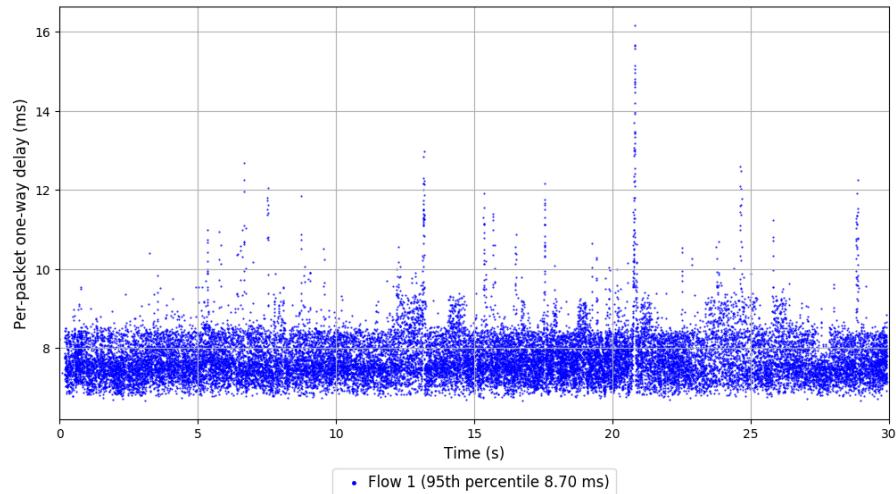
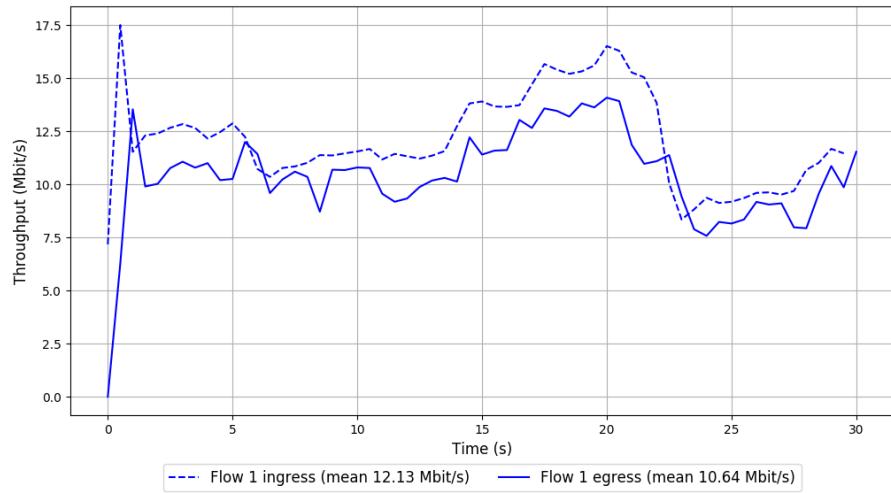


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-01-18 18:58:46
End at: 2019-01-18 18:59:16
Local clock offset: -4.187 ms
Remote clock offset: -1.602 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 8.703 ms
Loss rate: 12.33%
-- Flow 1:
Average throughput: 10.64 Mbit/s
95th percentile per-packet one-way delay: 8.703 ms
Loss rate: 12.33%
```

Run 1: Report of PCC-Expr — Data Link

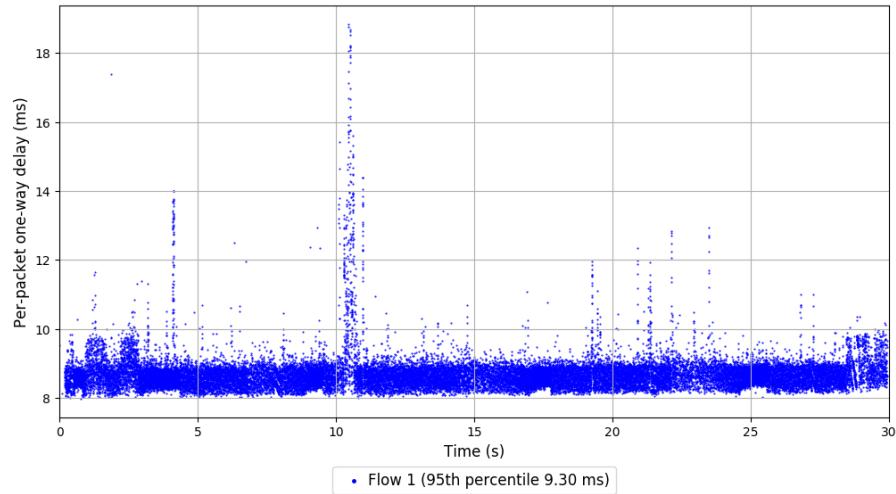
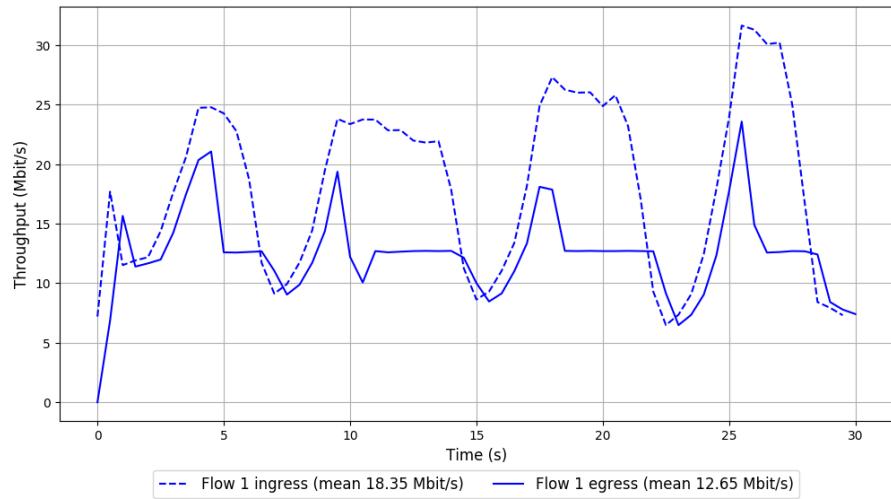


```
Run 2: Statistics of PCC-Expr
```

```
Start at: 2019-01-18 19:23:55
End at: 2019-01-18 19:24:26
Local clock offset: -2.805 ms
Remote clock offset: -1.23 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 9.302 ms
Loss rate: 31.05%
-- Flow 1:
Average throughput: 12.65 Mbit/s
95th percentile per-packet one-way delay: 9.302 ms
Loss rate: 31.05%
```

Run 2: Report of PCC-Expr — Data Link

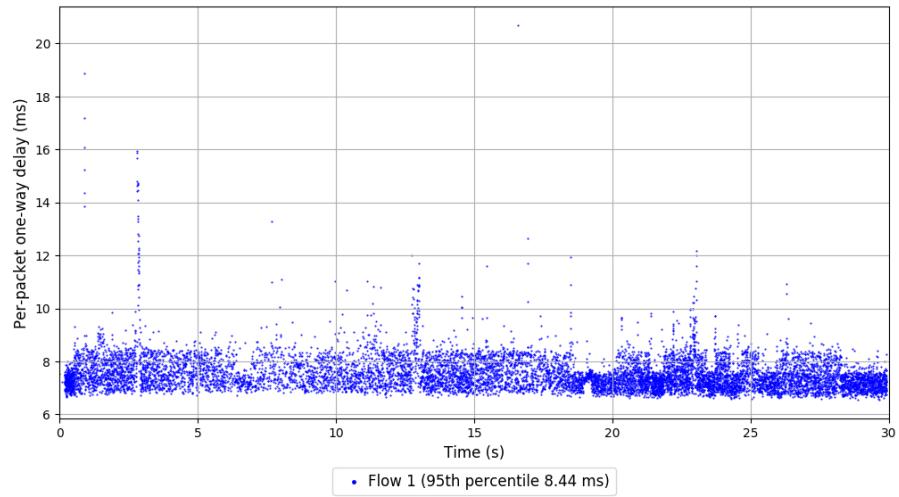
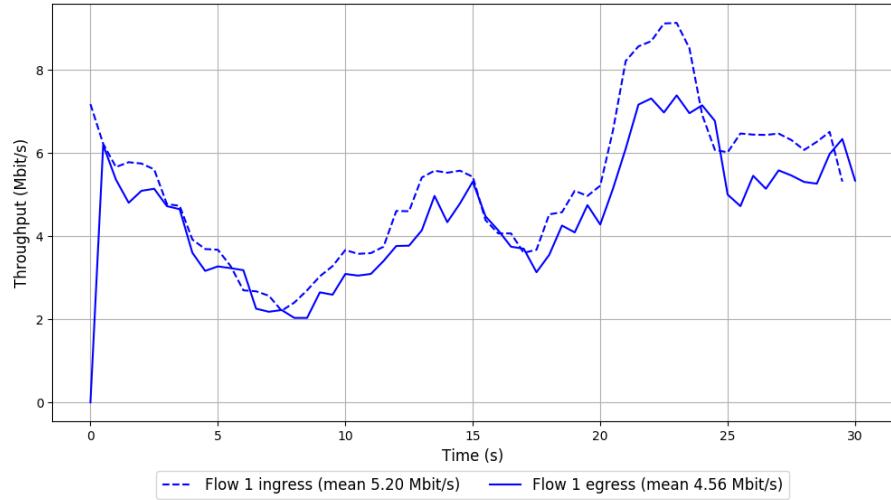


```
Run 3: Statistics of PCC-Expr
```

```
Start at: 2019-01-18 19:49:35
End at: 2019-01-18 19:50:05
Local clock offset: 0.599 ms
Remote clock offset: -1.218 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.56 Mbit/s
95th percentile per-packet one-way delay: 8.442 ms
Loss rate: 12.41%
-- Flow 1:
Average throughput: 4.56 Mbit/s
95th percentile per-packet one-way delay: 8.442 ms
Loss rate: 12.41%
```

Run 3: Report of PCC-Expr — Data Link

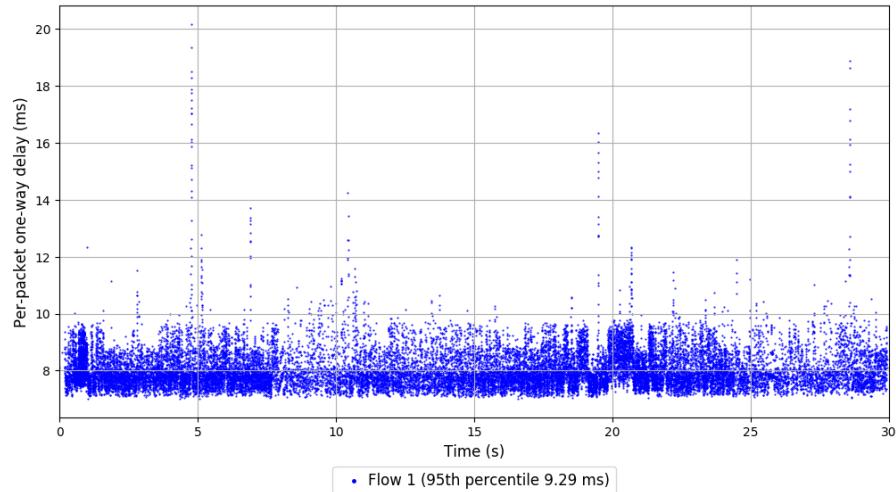
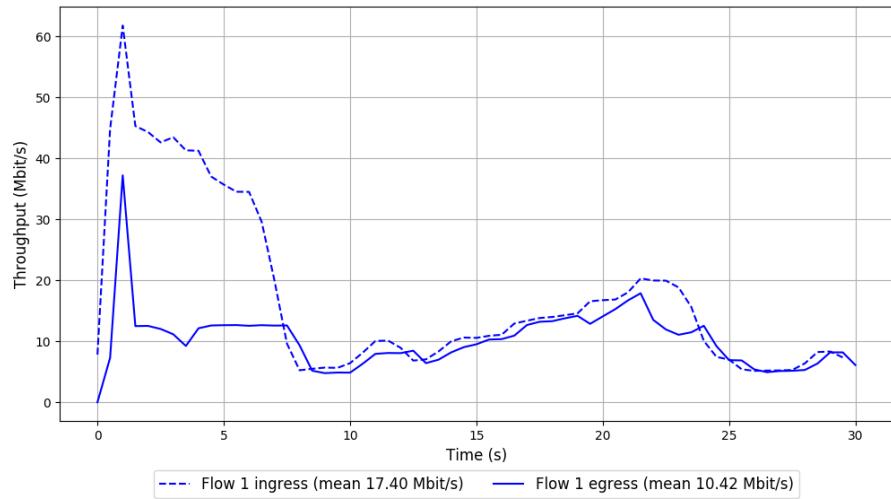


Run 4: Statistics of PCC-Expr

```
Start at: 2019-01-18 20:13:49
End at: 2019-01-18 20:14:19
Local clock offset: -2.026 ms
Remote clock offset: -1.608 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.42 Mbit/s
95th percentile per-packet one-way delay: 9.293 ms
Loss rate: 40.11%
-- Flow 1:
Average throughput: 10.42 Mbit/s
95th percentile per-packet one-way delay: 9.293 ms
Loss rate: 40.11%
```

Run 4: Report of PCC-Expr — Data Link

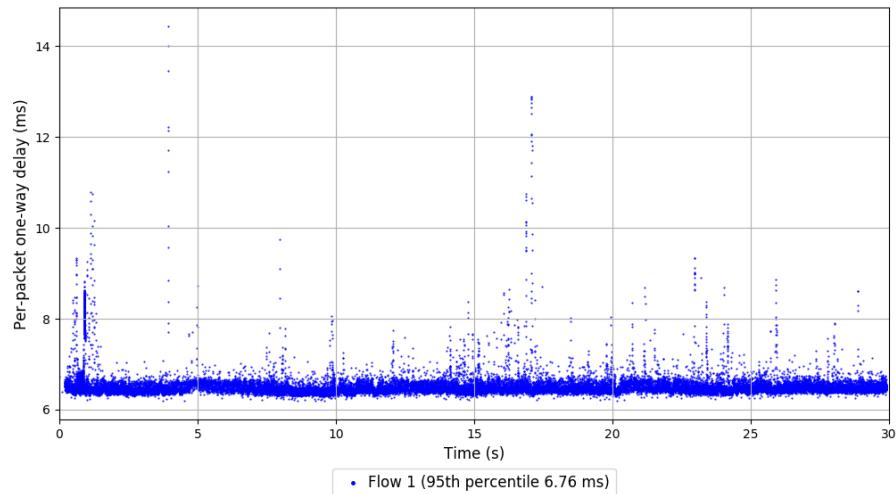
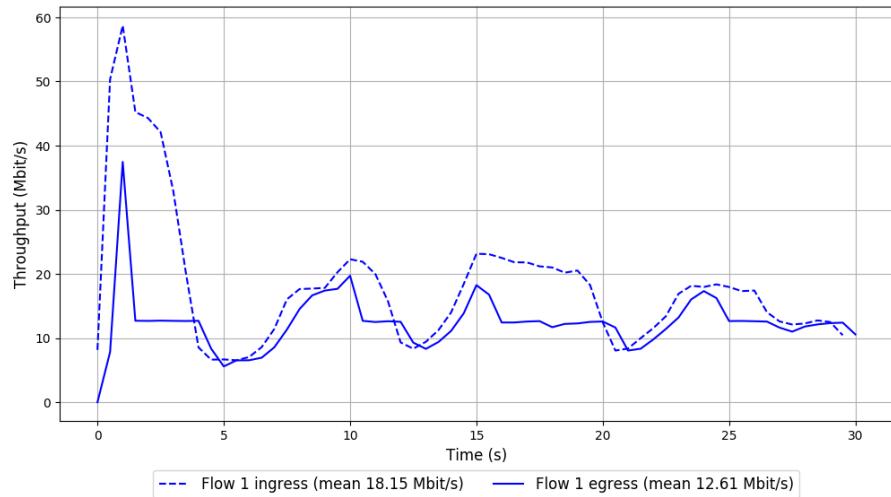


```
Run 5: Statistics of PCC-Expr
```

```
Start at: 2019-01-18 20:38:05
End at: 2019-01-18 20:38:35
Local clock offset: -0.139 ms
Remote clock offset: -2.583 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 6.759 ms
Loss rate: 30.51%
-- Flow 1:
Average throughput: 12.61 Mbit/s
95th percentile per-packet one-way delay: 6.759 ms
Loss rate: 30.51%
```

Run 5: Report of PCC-Expr — Data Link

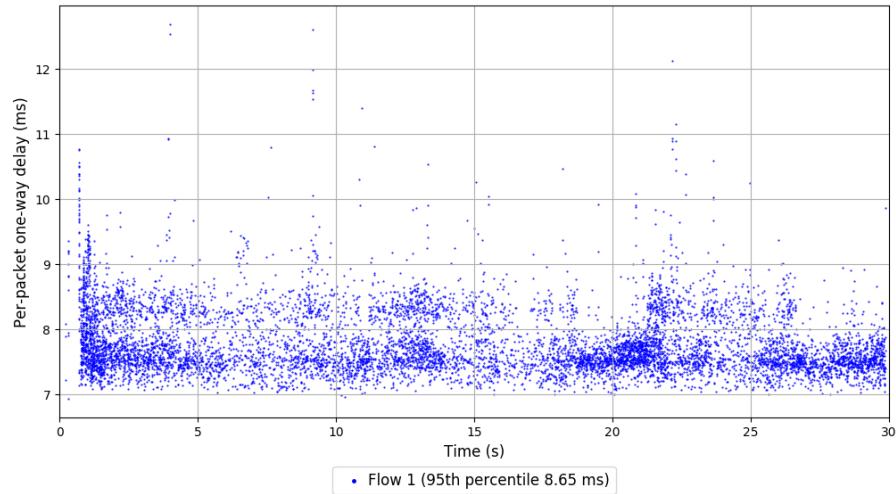
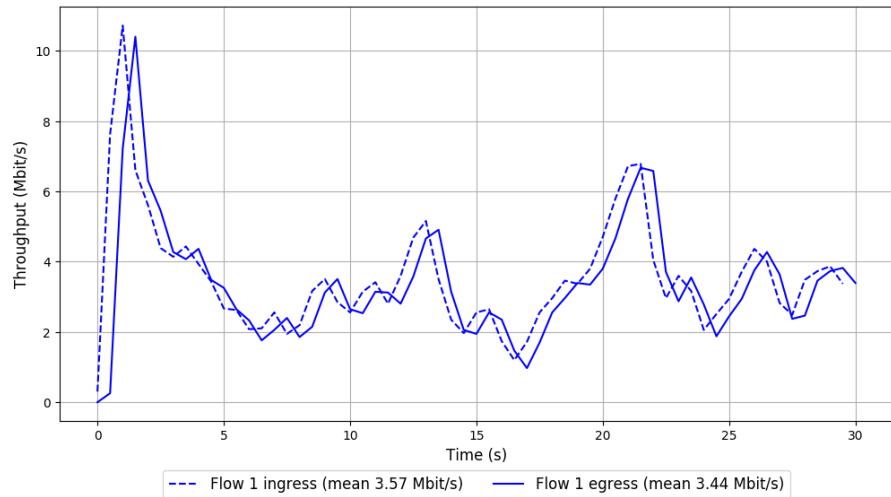


```
Run 1: Statistics of QUIC Cubic

Start at: 2019-01-18 19:02:31
End at: 2019-01-18 19:03:01
Local clock offset: -4.575 ms
Remote clock offset: -1.448 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 8.654 ms
Loss rate: 3.68%
-- Flow 1:
Average throughput: 3.44 Mbit/s
95th percentile per-packet one-way delay: 8.654 ms
Loss rate: 3.68%
```

Run 1: Report of QUIC Cubic — Data Link

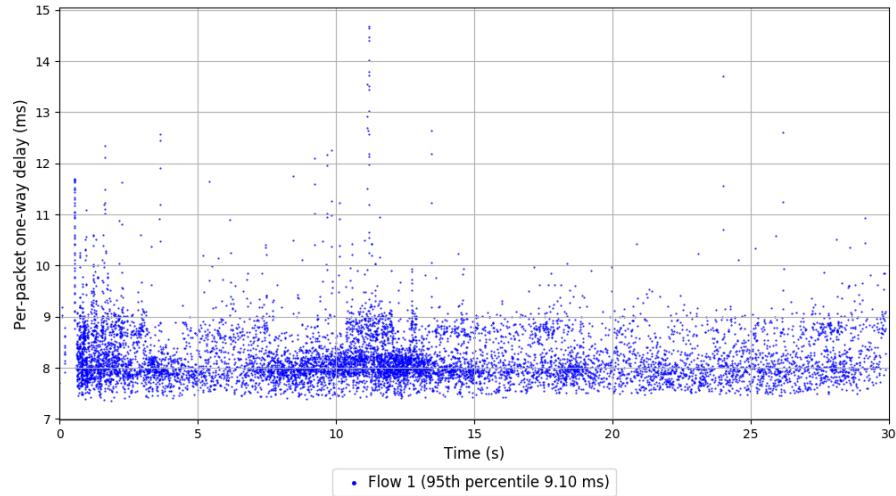
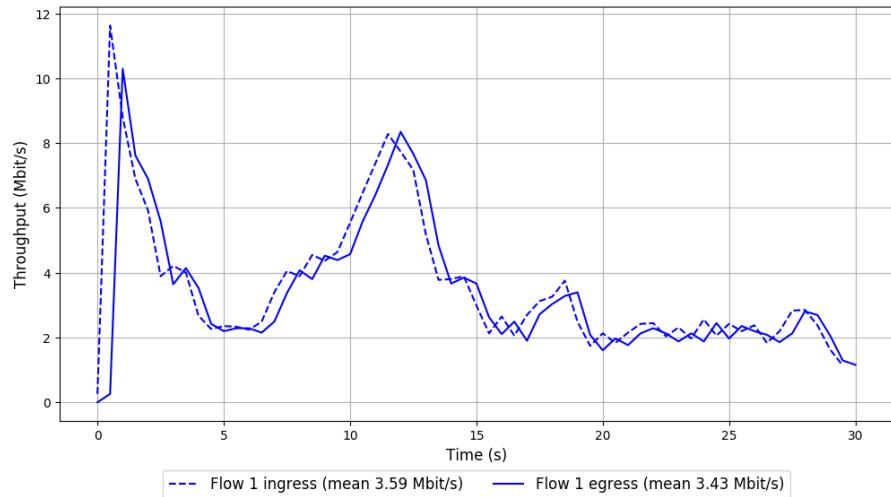


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-01-18 19:27:47
End at: 2019-01-18 19:28:17
Local clock offset: -1.715 ms
Remote clock offset: -1.579 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 9.097 ms
Loss rate: 4.45%
-- Flow 1:
Average throughput: 3.43 Mbit/s
95th percentile per-packet one-way delay: 9.097 ms
Loss rate: 4.45%
```

Run 2: Report of QUIC Cubic — Data Link

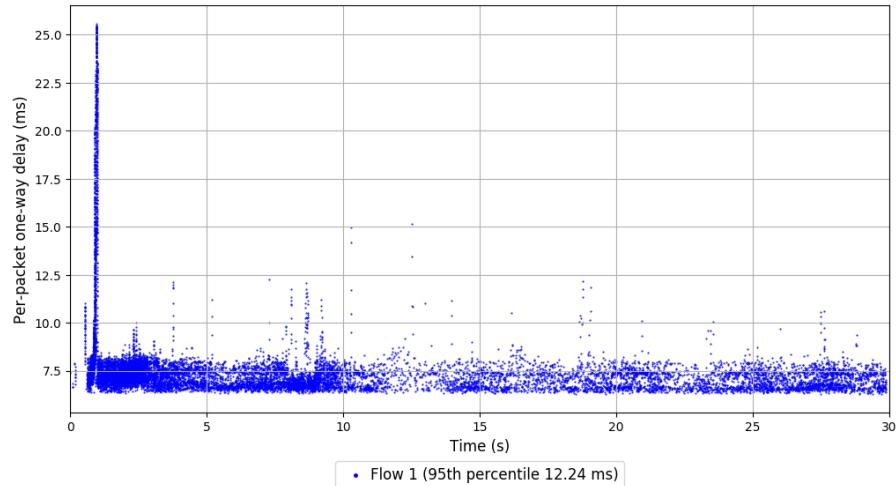
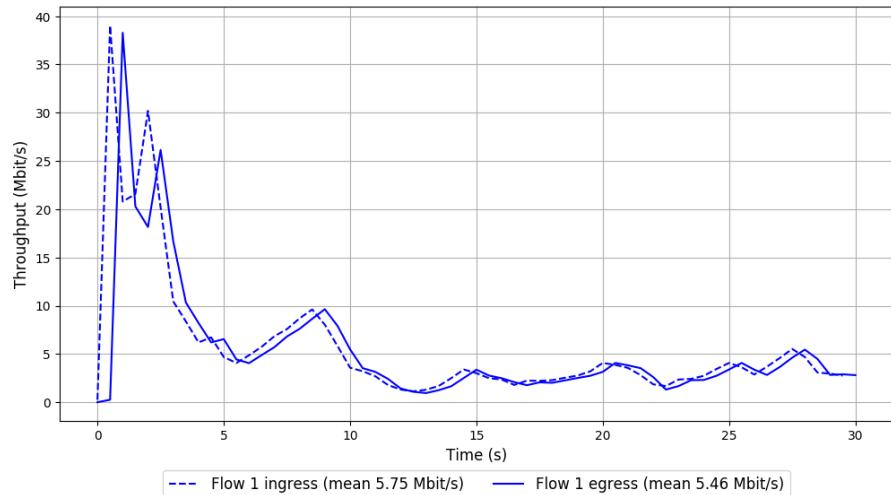


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-01-18 19:53:12
End at: 2019-01-18 19:53:42
Local clock offset: -0.026 ms
Remote clock offset: -1.406 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.46 Mbit/s
95th percentile per-packet one-way delay: 12.241 ms
Loss rate: 5.11%
-- Flow 1:
Average throughput: 5.46 Mbit/s
95th percentile per-packet one-way delay: 12.241 ms
Loss rate: 5.11%
```

Run 3: Report of QUIC Cubic — Data Link

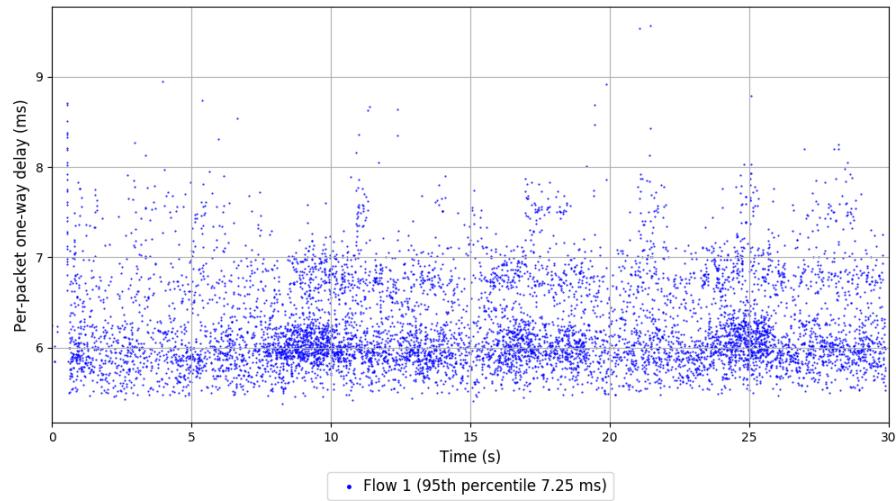
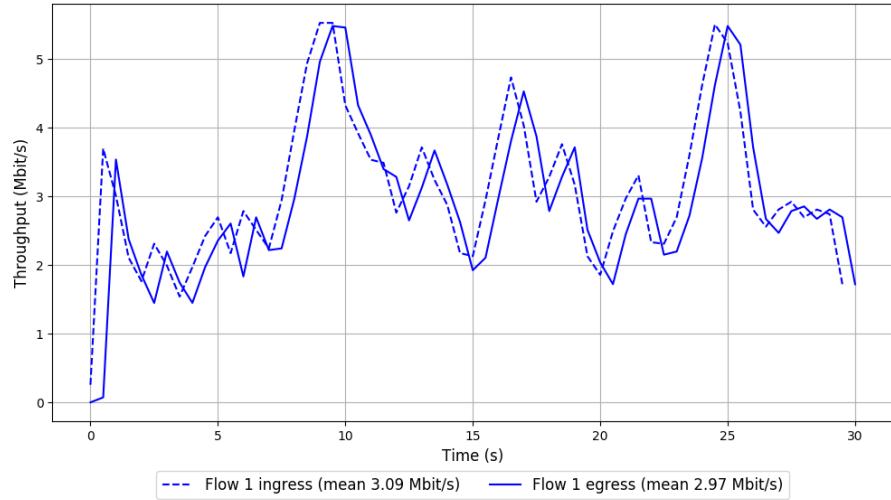


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-01-18 20:17:22
End at: 2019-01-18 20:17:52
Local clock offset: -0.681 ms
Remote clock offset: -1.999 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 7.246 ms
Loss rate: 3.93%
-- Flow 1:
Average throughput: 2.97 Mbit/s
95th percentile per-packet one-way delay: 7.246 ms
Loss rate: 3.93%
```

Run 4: Report of QUIC Cubic — Data Link

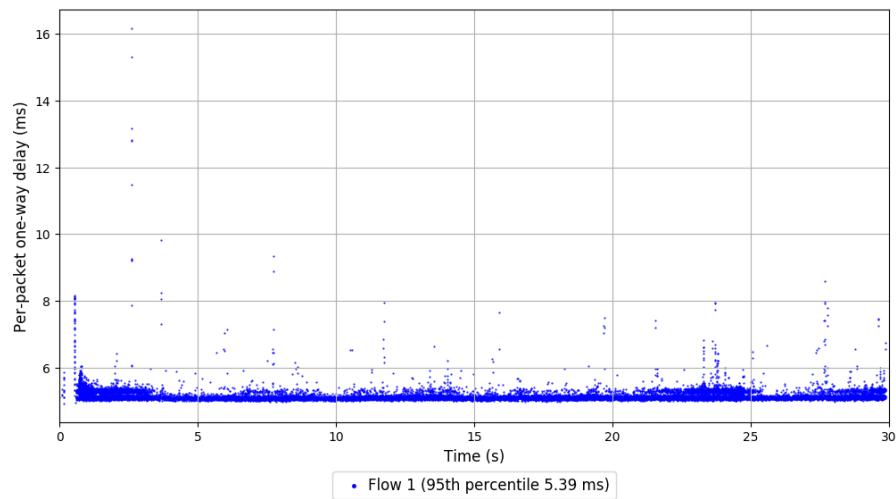
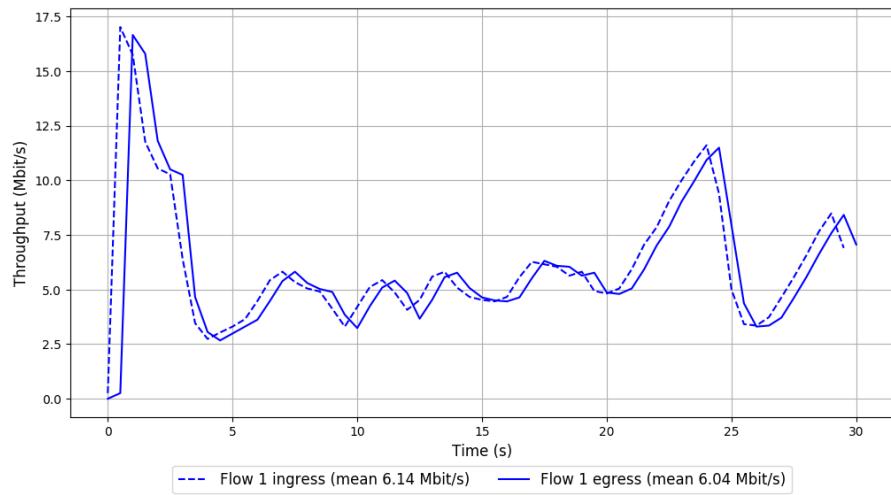


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-01-18 20:41:42
End at: 2019-01-18 20:42:12
Local clock offset: 0.871 ms
Remote clock offset: -2.975 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.04 Mbit/s
95th percentile per-packet one-way delay: 5.389 ms
Loss rate: 1.69%
-- Flow 1:
Average throughput: 6.04 Mbit/s
95th percentile per-packet one-way delay: 5.389 ms
Loss rate: 1.69%
```

Run 5: Report of QUIC Cubic — Data Link

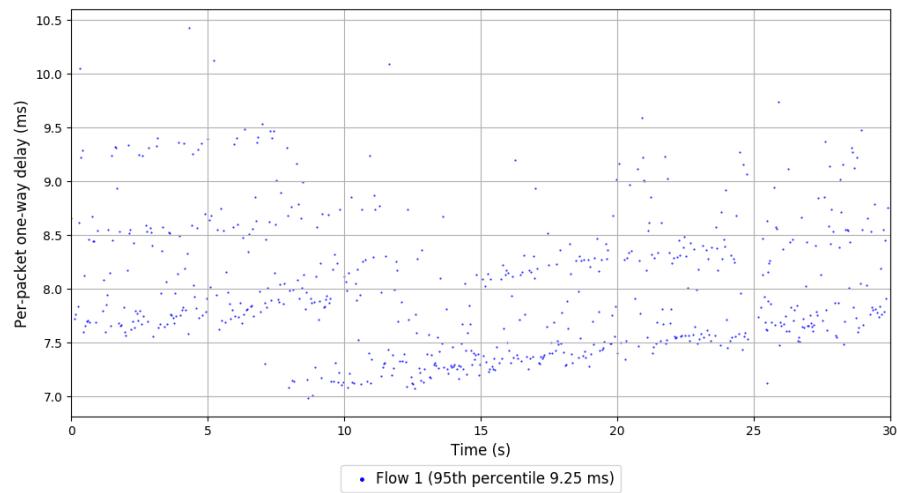
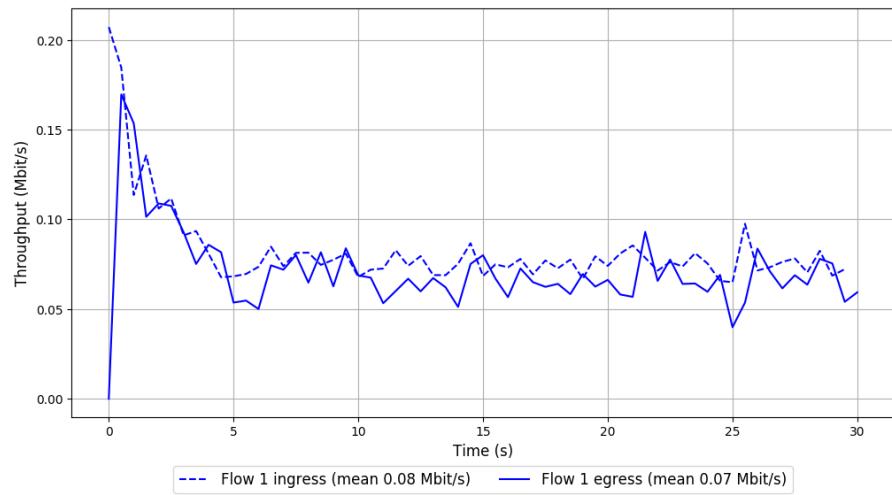


```
Run 1: Statistics of SCReAM
```

```
Start at: 2019-01-18 18:57:40
End at: 2019-01-18 18:58:10
Local clock offset: -4.181 ms
Remote clock offset: -1.295 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 9.253 ms
Loss rate: 12.79%
-- Flow 1:
Average throughput: 0.07 Mbit/s
95th percentile per-packet one-way delay: 9.253 ms
Loss rate: 12.79%
```

Run 1: Report of SCReAM — Data Link

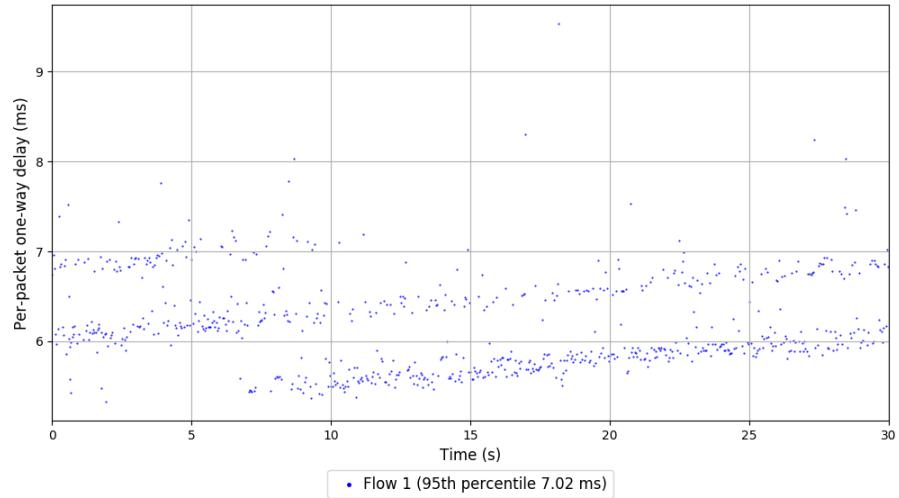
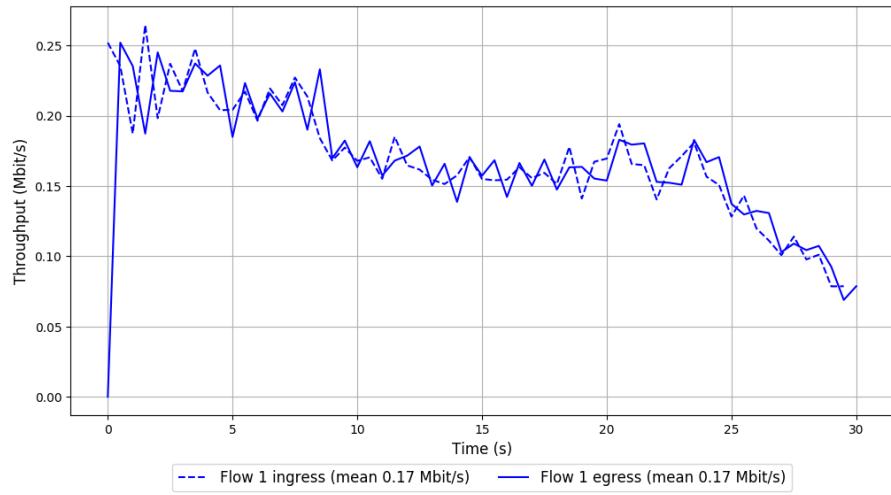


Run 2: Statistics of SCReAM

```
Start at: 2019-01-18 19:22:50
End at: 2019-01-18 19:23:20
Local clock offset: -8.048 ms
Remote clock offset: -8.792 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 7.021 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 0.17 Mbit/s
95th percentile per-packet one-way delay: 7.021 ms
Loss rate: 0.47%
```

Run 2: Report of SCReAM — Data Link

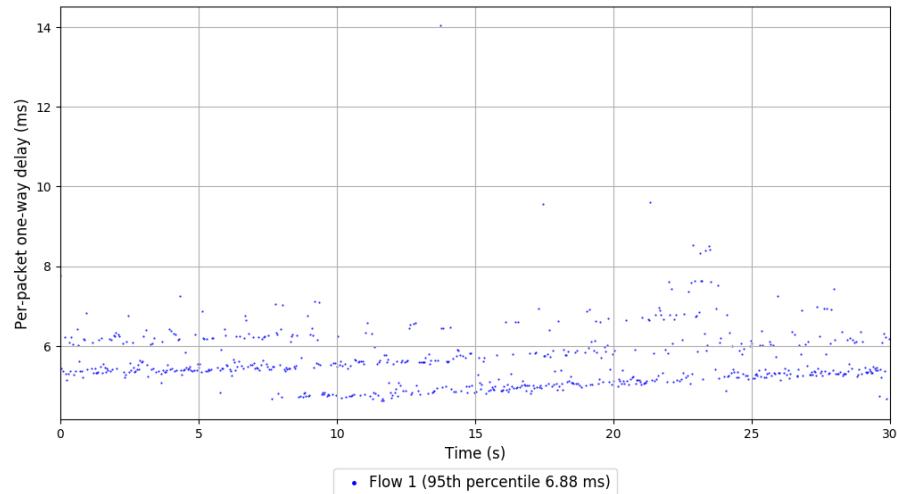
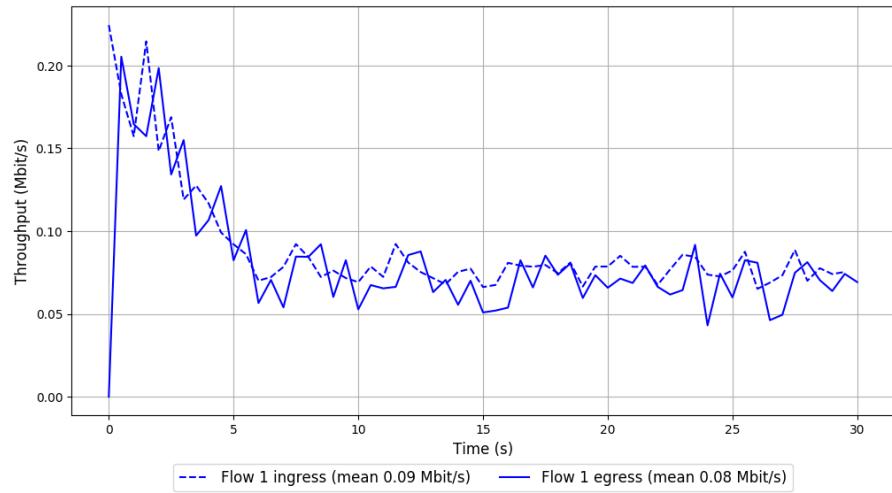


Run 3: Statistics of SCReAM

```
Start at: 2019-01-18 19:48:19
End at: 2019-01-18 19:48:49
Local clock offset: 2.227 ms
Remote clock offset: -1.761 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 6.882 ms
Loss rate: 9.08%
-- Flow 1:
Average throughput: 0.08 Mbit/s
95th percentile per-packet one-way delay: 6.882 ms
Loss rate: 9.08%
```

Run 3: Report of SCReAM — Data Link

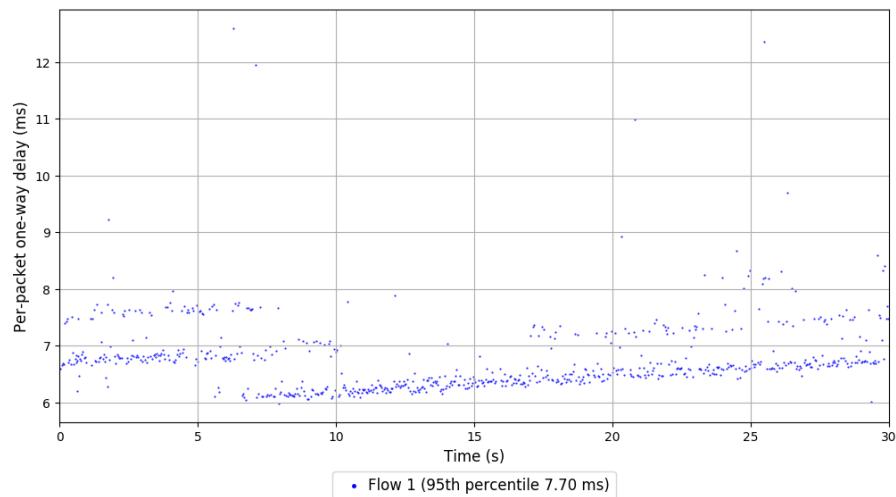
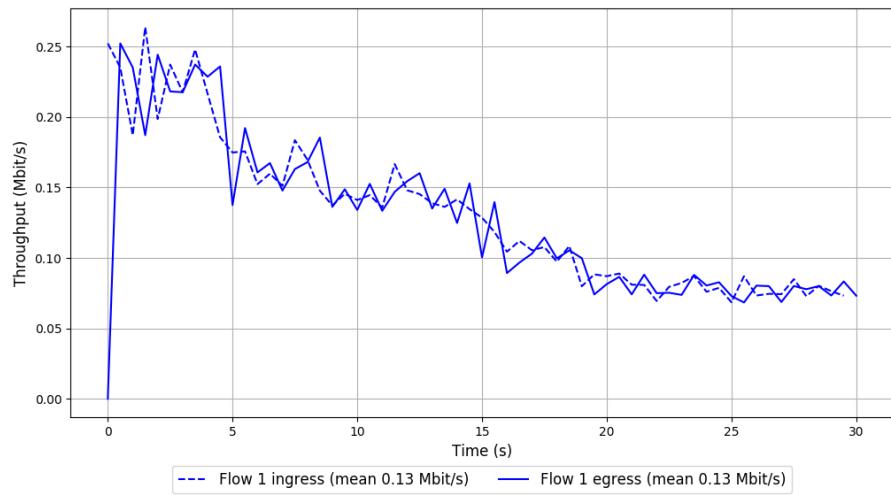


Run 4: Statistics of SCReAM

```
Start at: 2019-01-18 20:12:43
End at: 2019-01-18 20:13:13
Local clock offset: -1.25 ms
Remote clock offset: -1.837 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 7.703 ms
Loss rate: 1.60%
-- Flow 1:
Average throughput: 0.13 Mbit/s
95th percentile per-packet one-way delay: 7.703 ms
Loss rate: 1.60%
```

Run 4: Report of SCReAM — Data Link

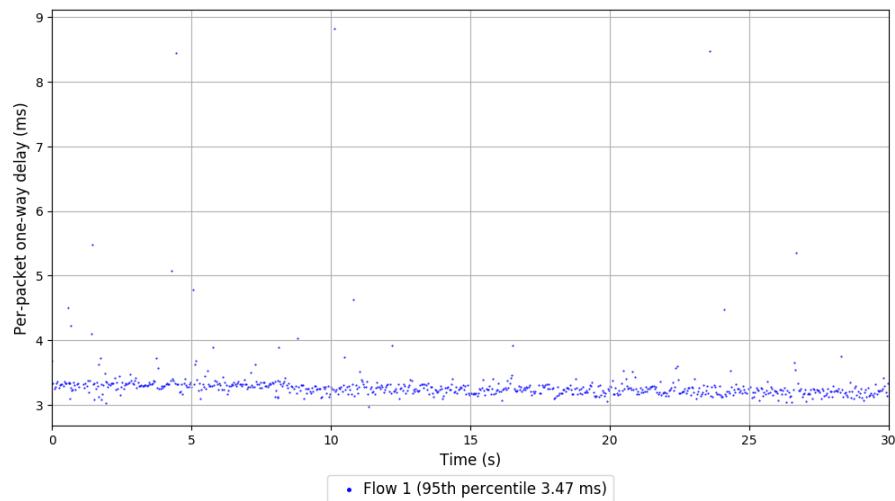
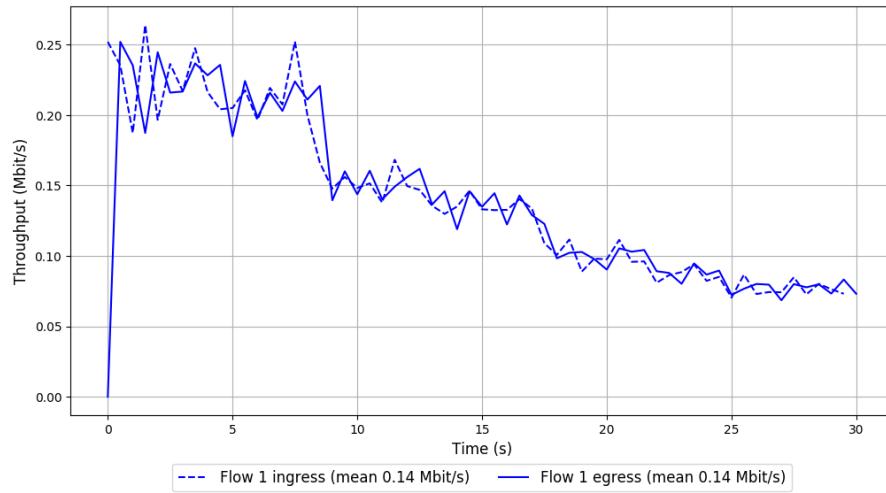


Run 5: Statistics of SCReAM

```
Start at: 2019-01-18 20:36:59
End at: 2019-01-18 20:37:29
Local clock offset: -3.44 ms
Remote clock offset: -9.011 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 3.469 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 0.14 Mbit/s
95th percentile per-packet one-way delay: 3.469 ms
Loss rate: 0.85%
```

Run 5: Report of SCReAM — Data Link

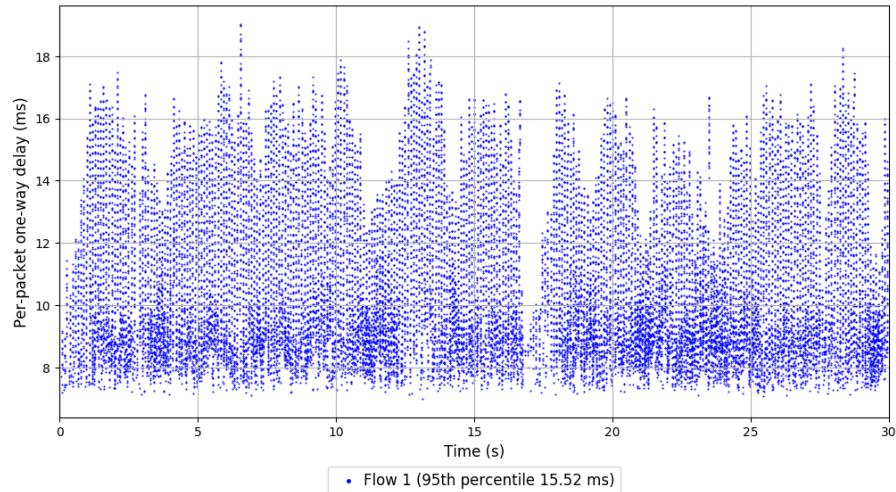
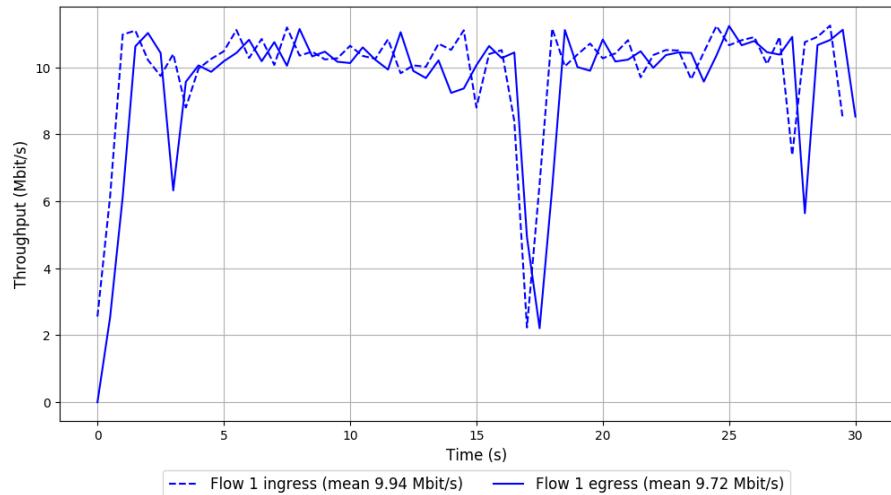


Run 1: Statistics of Sprout

```
Start at: 2019-01-18 19:06:11
End at: 2019-01-18 19:06:41
Local clock offset: -4.635 ms
Remote clock offset: -1.368 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.72 Mbit/s
95th percentile per-packet one-way delay: 15.518 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 9.72 Mbit/s
95th percentile per-packet one-way delay: 15.518 ms
Loss rate: 2.26%
```

Run 1: Report of Sprout — Data Link

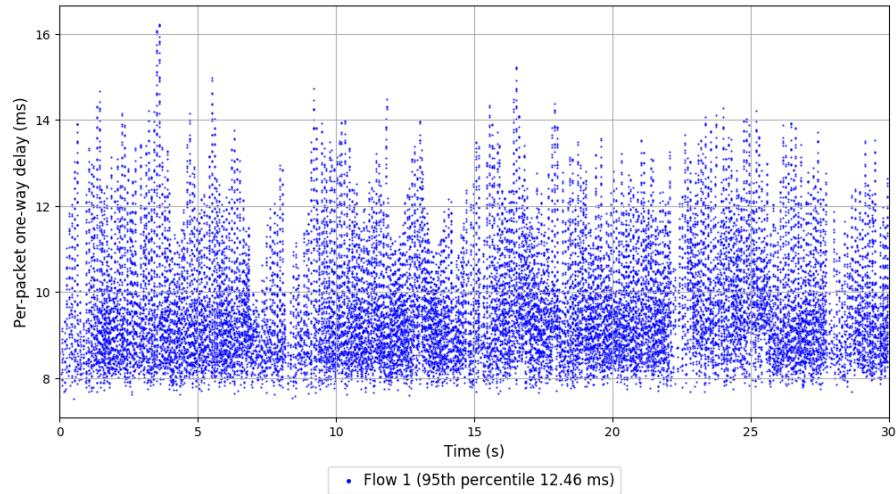
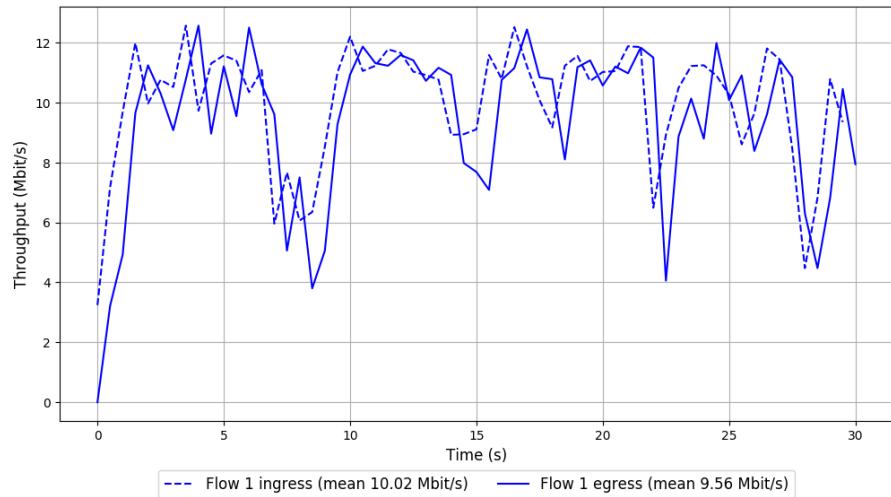


Run 2: Statistics of Sprout

```
Start at: 2019-01-18 19:31:27
End at: 2019-01-18 19:31:57
Local clock offset: -0.685 ms
Remote clock offset: -0.97 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.56 Mbit/s
95th percentile per-packet one-way delay: 12.456 ms
Loss rate: 4.57%
-- Flow 1:
Average throughput: 9.56 Mbit/s
95th percentile per-packet one-way delay: 12.456 ms
Loss rate: 4.57%
```

Run 2: Report of Sprout — Data Link

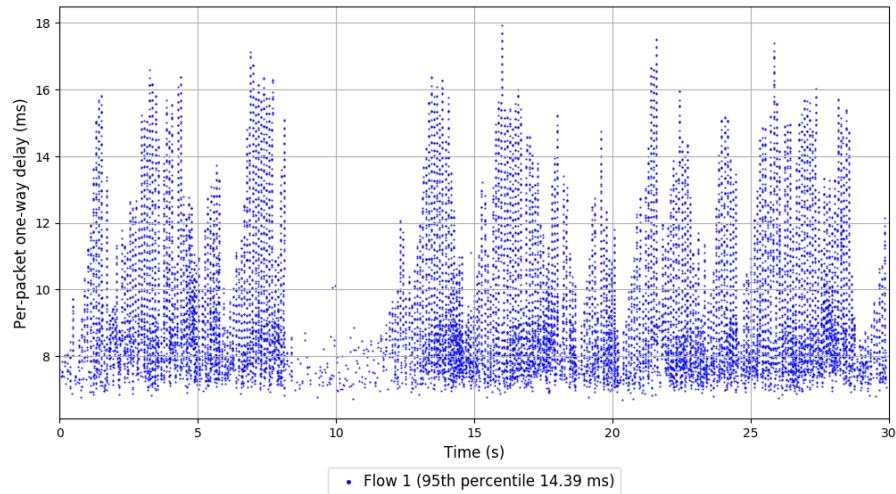
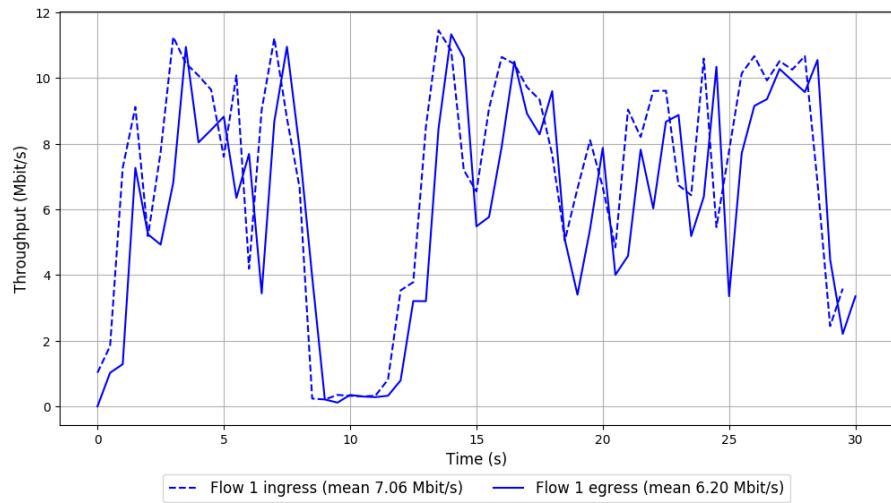


Run 3: Statistics of Sprout

```
Start at: 2019-01-18 19:56:54
End at: 2019-01-18 19:57:24
Local clock offset: -0.84 ms
Remote clock offset: -1.337 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.20 Mbit/s
95th percentile per-packet one-way delay: 14.389 ms
Loss rate: 12.15%
-- Flow 1:
Average throughput: 6.20 Mbit/s
95th percentile per-packet one-way delay: 14.389 ms
Loss rate: 12.15%
```

Run 3: Report of Sprout — Data Link

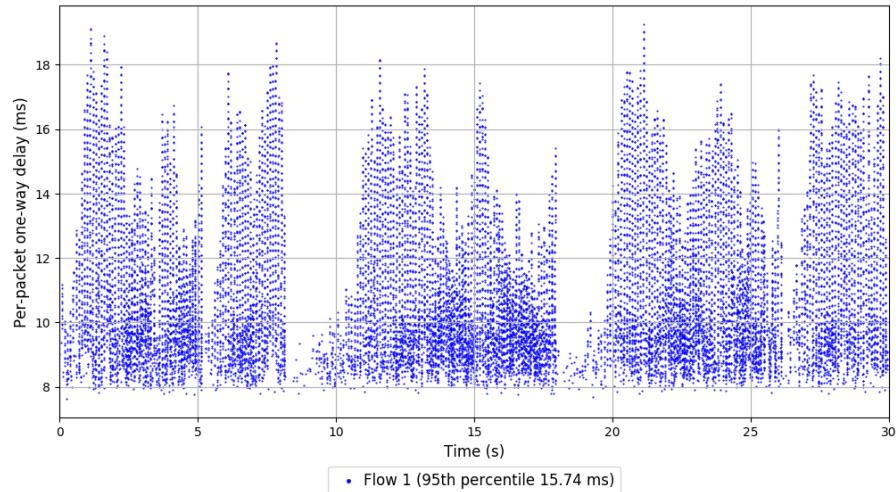
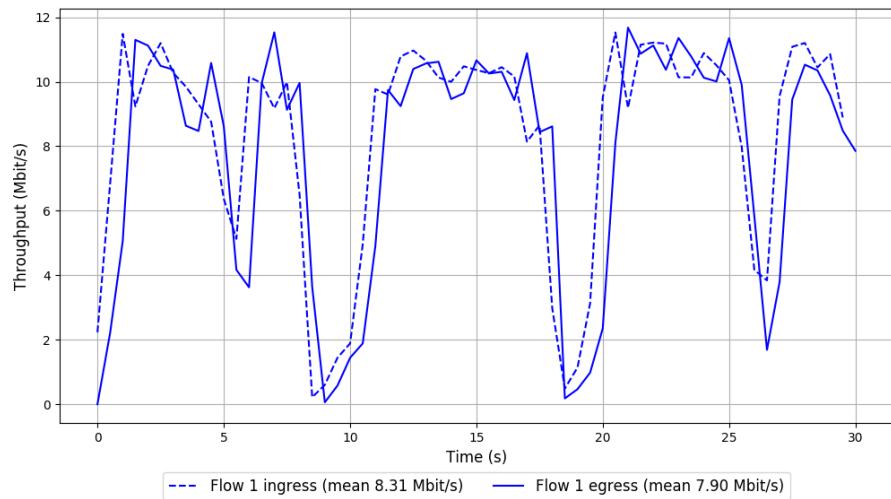


Run 4: Statistics of Sprout

```
Start at: 2019-01-18 20:20:54
End at: 2019-01-18 20:21:24
Local clock offset: -1.5 ms
Remote clock offset: -1.064 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 15.744 ms
Loss rate: 4.91%
-- Flow 1:
Average throughput: 7.90 Mbit/s
95th percentile per-packet one-way delay: 15.744 ms
Loss rate: 4.91%
```

Run 4: Report of Sprout — Data Link

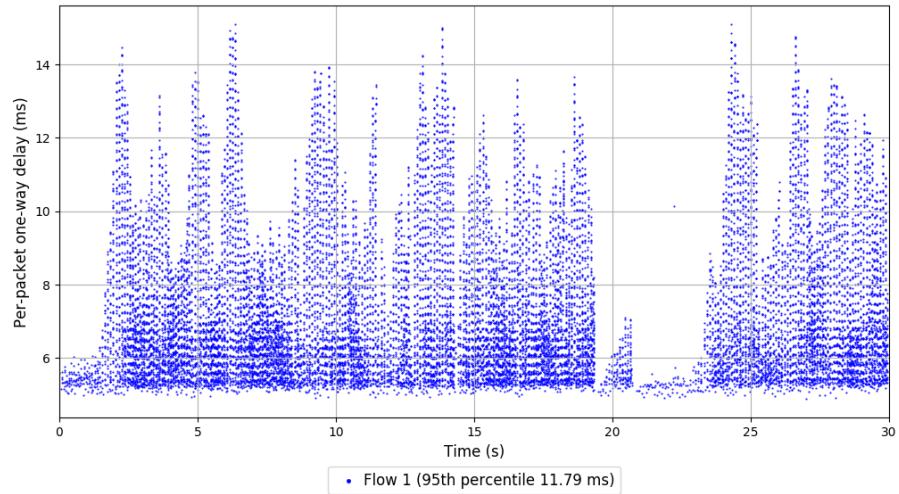
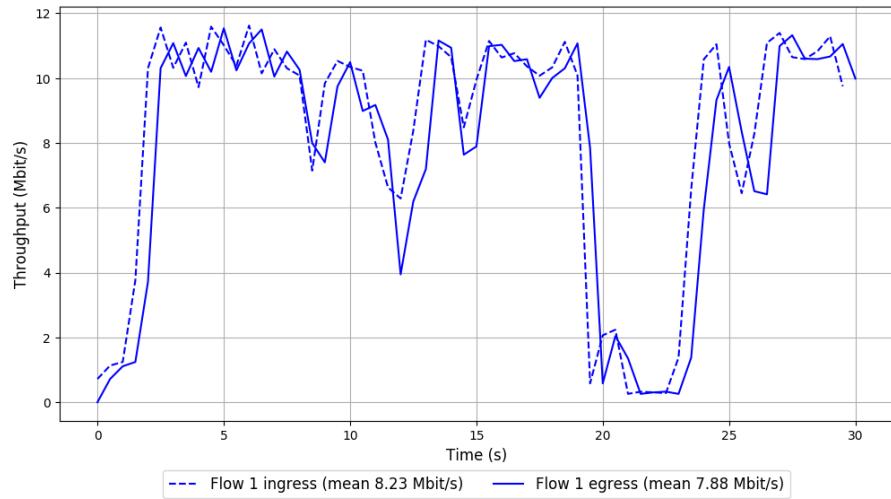


Run 5: Statistics of Sprout

```
Start at: 2019-01-18 20:45:40
End at: 2019-01-18 20:46:10
Local clock offset: 1.221 ms
Remote clock offset: -2.856 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 11.788 ms
Loss rate: 4.25%
-- Flow 1:
Average throughput: 7.88 Mbit/s
95th percentile per-packet one-way delay: 11.788 ms
Loss rate: 4.25%
```

Run 5: Report of Sprout — Data Link



Run 1: Statistics of TaoVA-100x

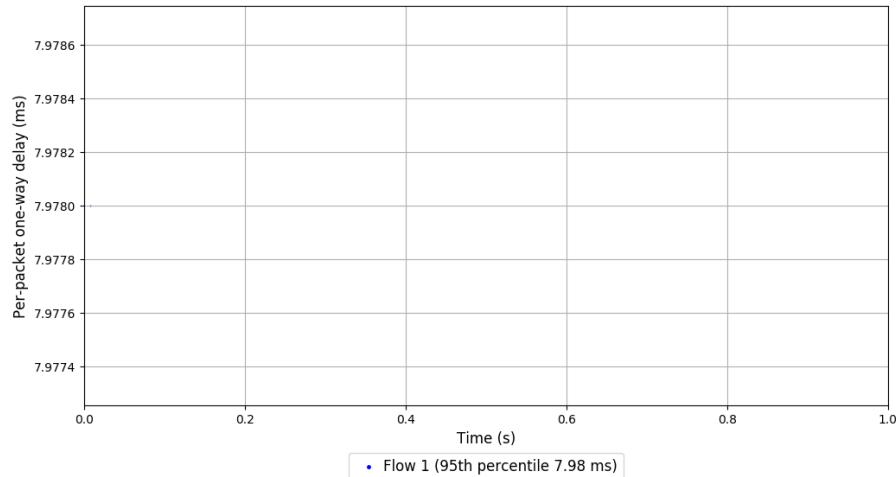
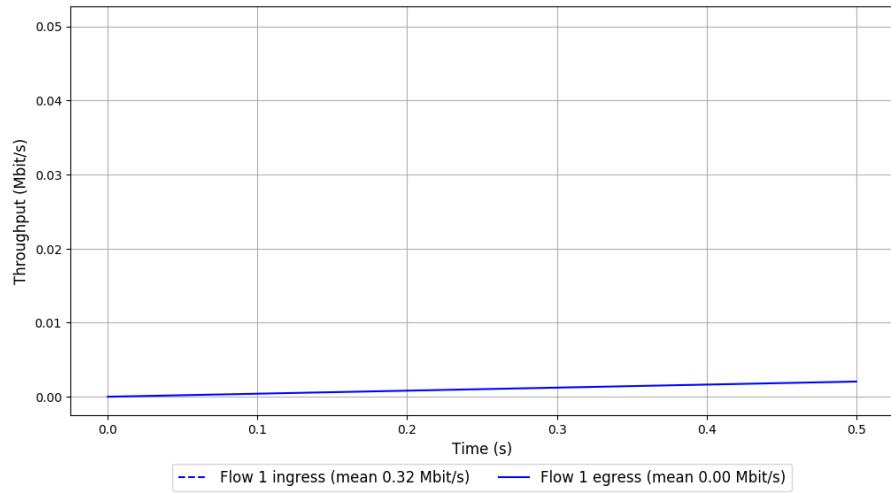
Start at: 2019-01-18 19:07:18

End at: 2019-01-18 19:07:48

Local clock offset: -4.382 ms

Remote clock offset: -1.195 ms

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



Run 2: Statistics of TaoVA-100x

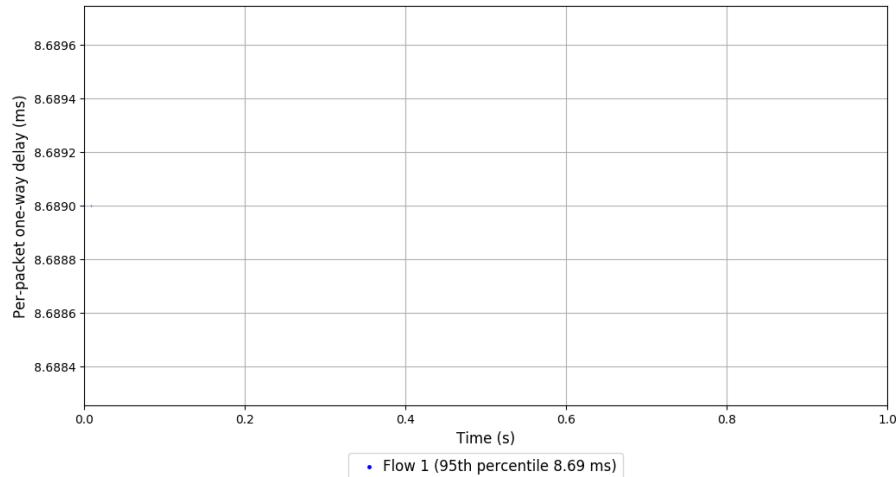
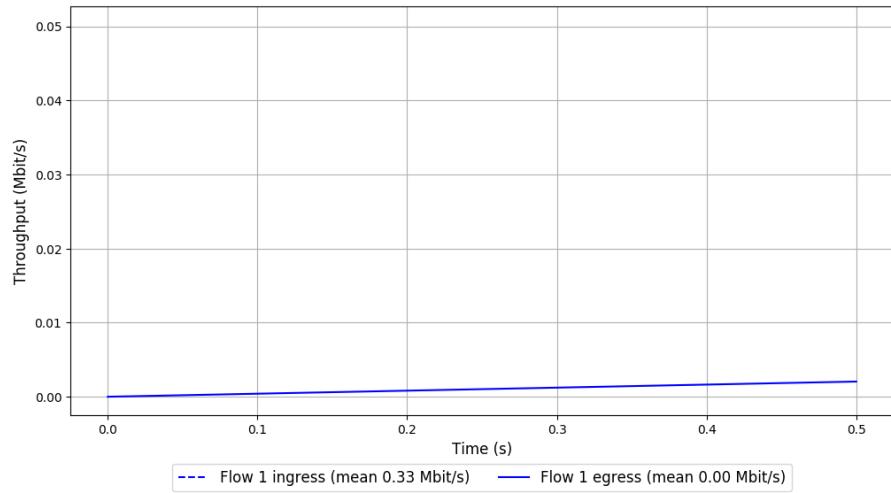
Start at: 2019-01-18 19:32:34

End at: 2019-01-18 19:33:04

Local clock offset: 0.255 ms

Remote clock offset: -0.943 ms

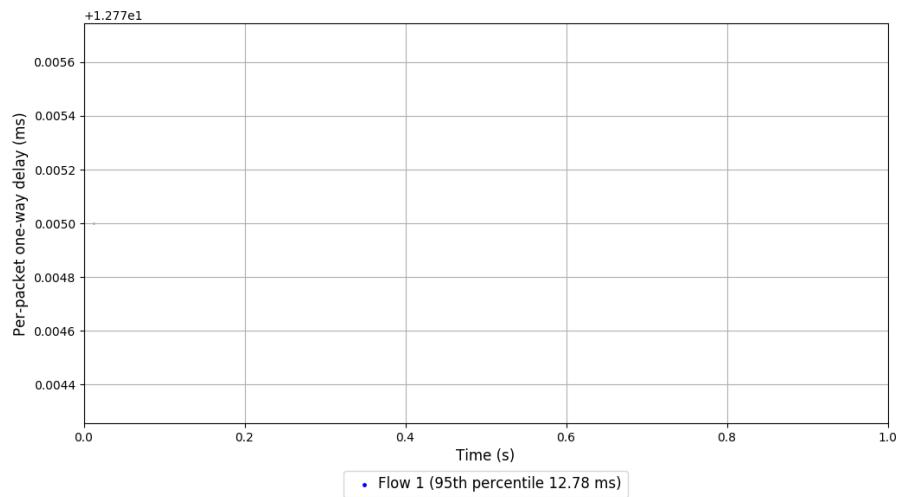
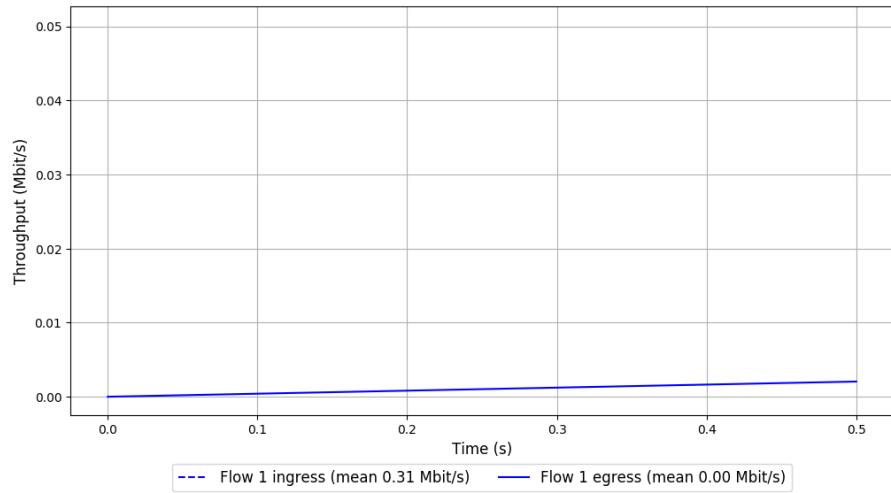
Run 2: Report of TaoVA-100x — Data Link



Run 3: Statistics of TaoVA-100x

Start at: 2019-01-18 19:58:00
End at: 2019-01-18 19:58:30
Local clock offset: -1.193 ms
Remote clock offset: -0.993 ms

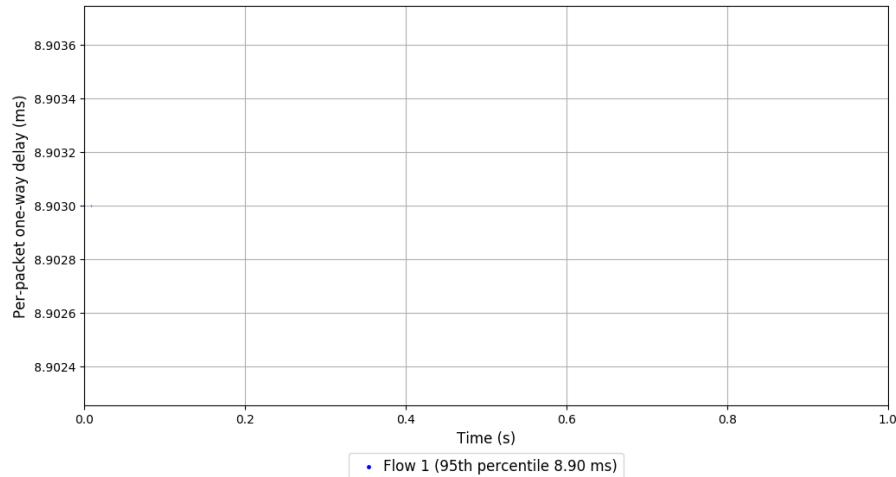
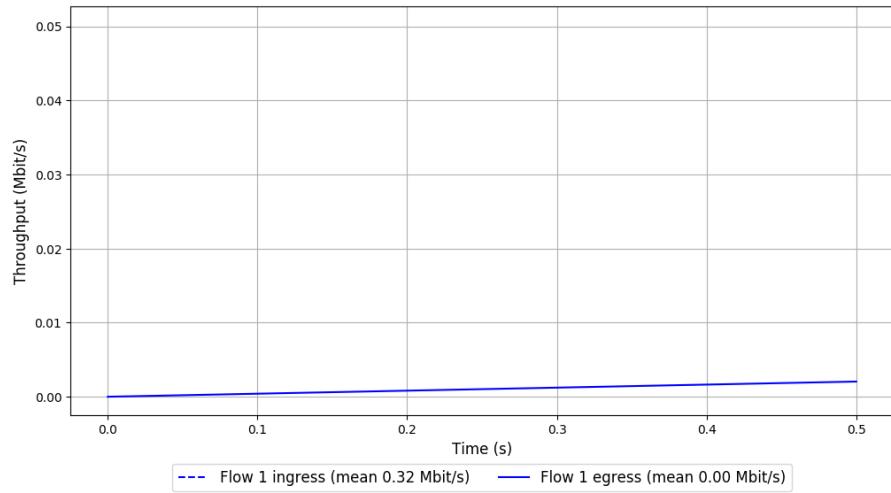
Run 3: Report of TaoVA-100x — Data Link



Run 4: Statistics of TaoVA-100x

Start at: 2019-01-18 20:22:01
End at: 2019-01-18 20:22:31
Local clock offset: -0.816 ms
Remote clock offset: -1.382 ms

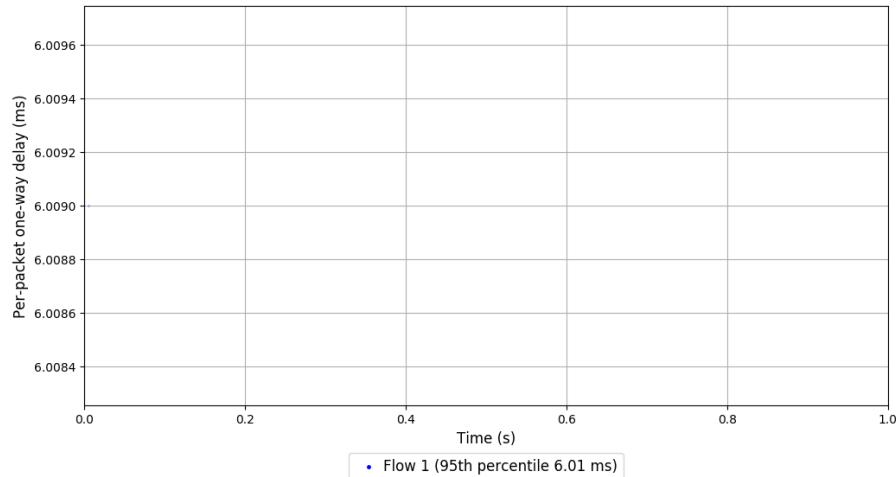
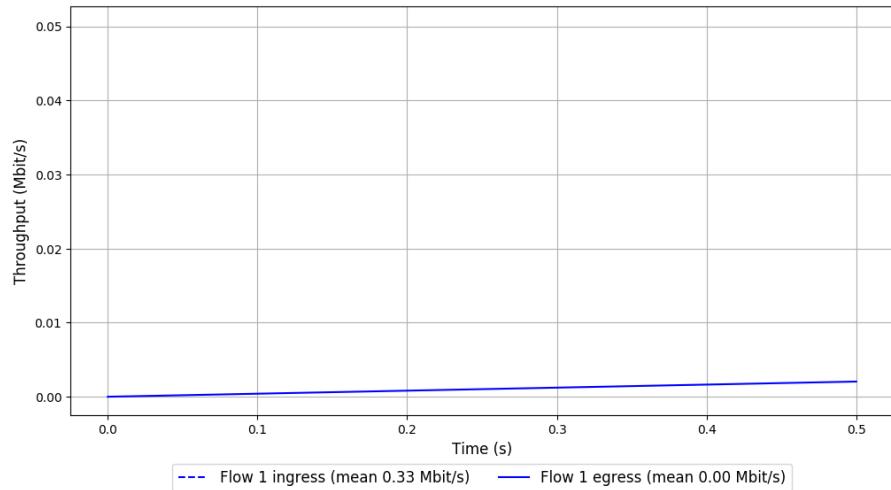
Run 4: Report of TaoVA-100x — Data Link



Run 5: Statistics of TaoVA-100x

Start at: 2019-01-18 20:46:47
End at: 2019-01-18 20:47:17
Local clock offset: 1.128 ms
Remote clock offset: -2.773 ms

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

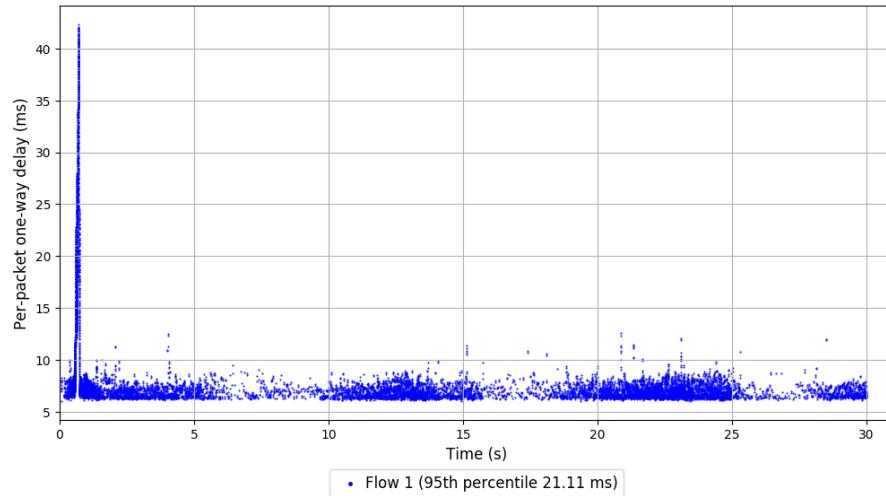
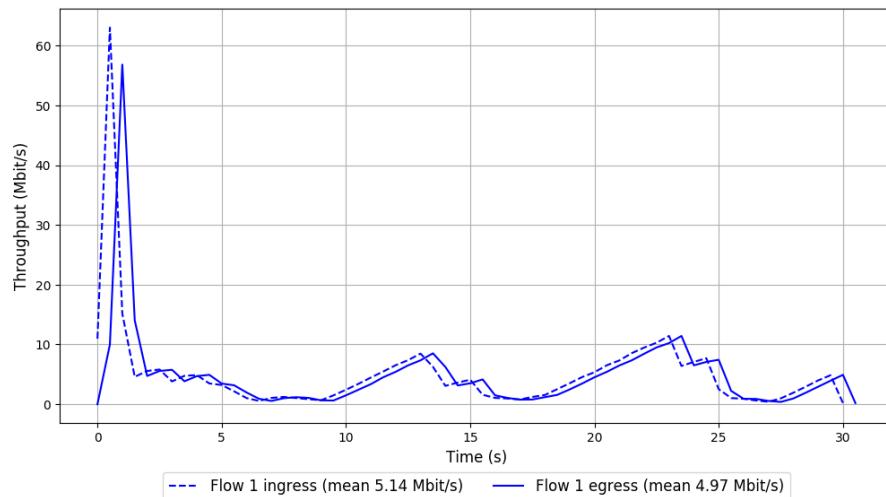


Run 1: Statistics of TCP Vegas

```
Start at: 2019-01-18 18:56:31
End at: 2019-01-18 18:57:01
Local clock offset: -2.792 ms
Remote clock offset: -0.941 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.97 Mbit/s
95th percentile per-packet one-way delay: 21.110 ms
Loss rate: 3.30%
-- Flow 1:
Average throughput: 4.97 Mbit/s
95th percentile per-packet one-way delay: 21.110 ms
Loss rate: 3.30%
```

Run 1: Report of TCP Vegas — Data Link

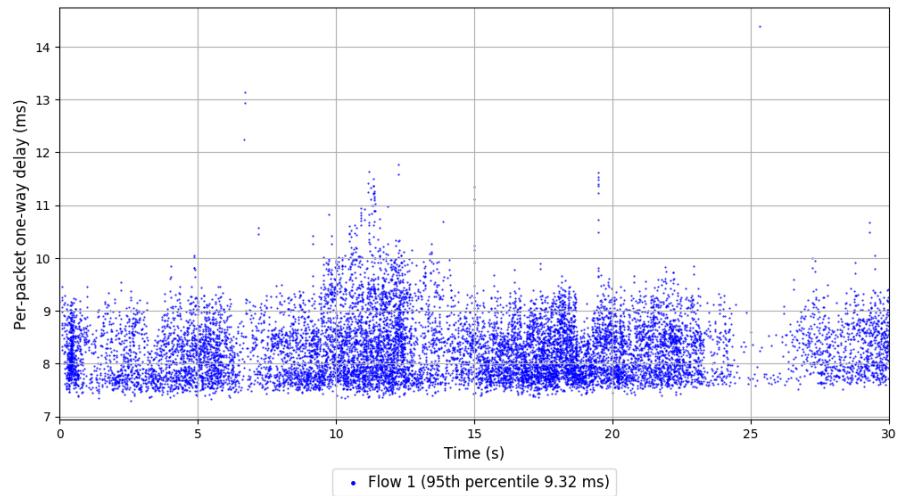
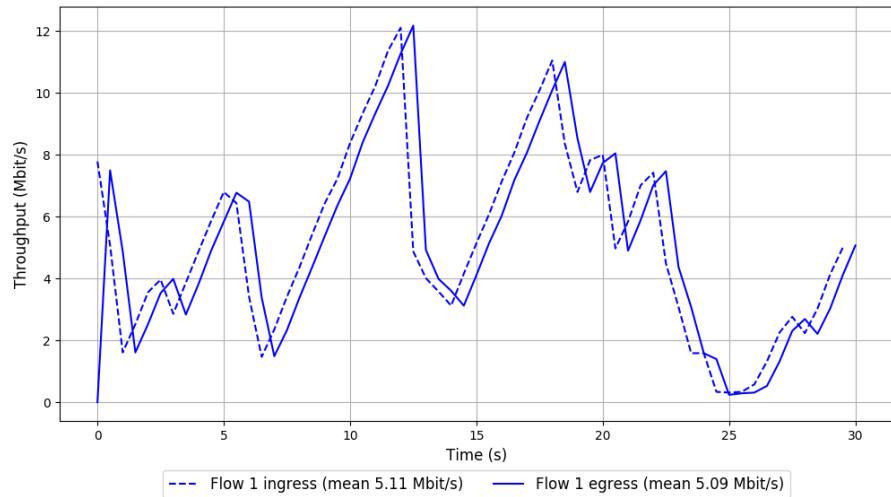


Run 2: Statistics of TCP Vegas

```
Start at: 2019-01-18 19:21:41
End at: 2019-01-18 19:22:11
Local clock offset: -3.37 ms
Remote clock offset: -1.782 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.09 Mbit/s
95th percentile per-packet one-way delay: 9.322 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 5.09 Mbit/s
95th percentile per-packet one-way delay: 9.322 ms
Loss rate: 0.39%
```

Run 2: Report of TCP Vegas — Data Link

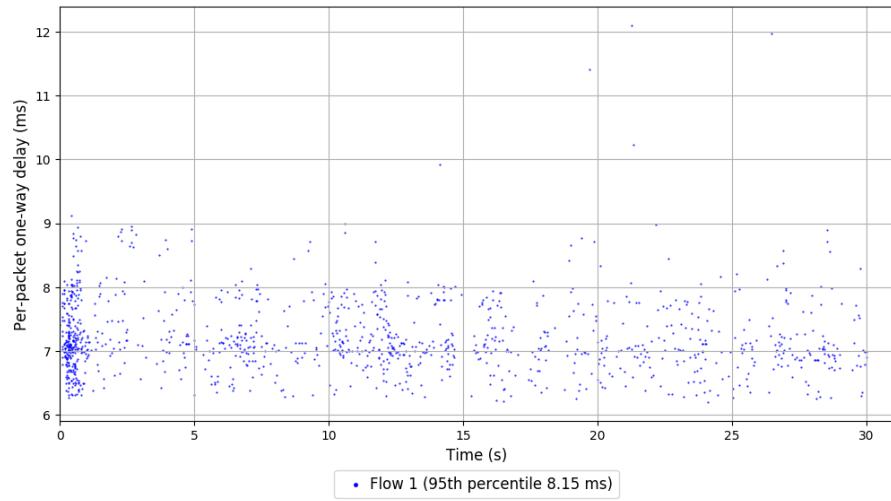
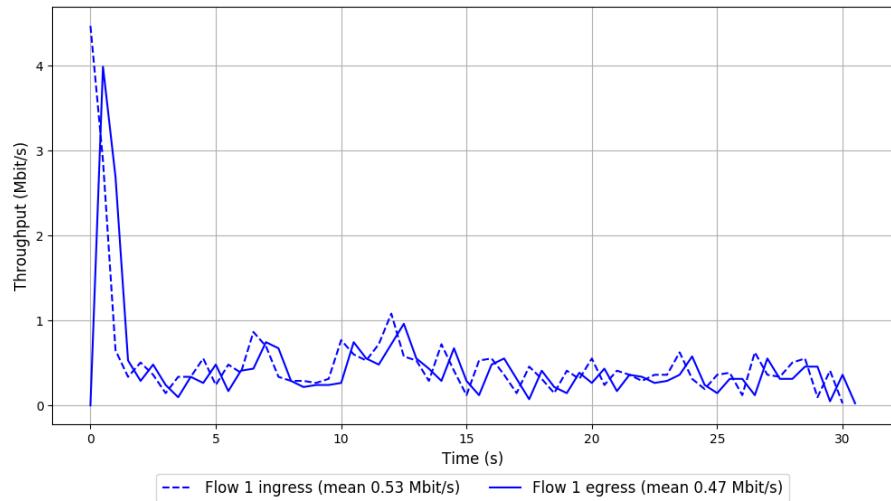


Run 3: Statistics of TCP Vegas

```
Start at: 2019-01-18 19:47:12
End at: 2019-01-18 19:47:42
Local clock offset: 0.628 ms
Remote clock offset: -2.204 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 8.154 ms
Loss rate: 11.35%
-- Flow 1:
Average throughput: 0.47 Mbit/s
95th percentile per-packet one-way delay: 8.154 ms
Loss rate: 11.35%
```

Run 3: Report of TCP Vegas — Data Link

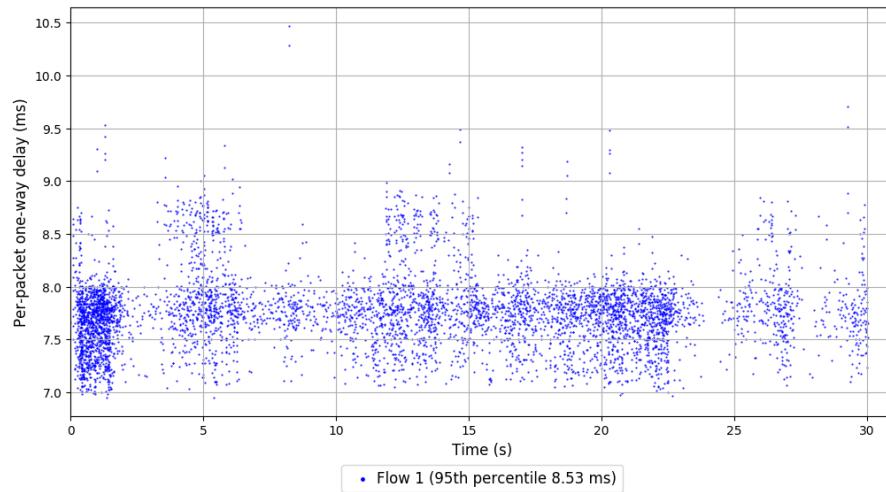
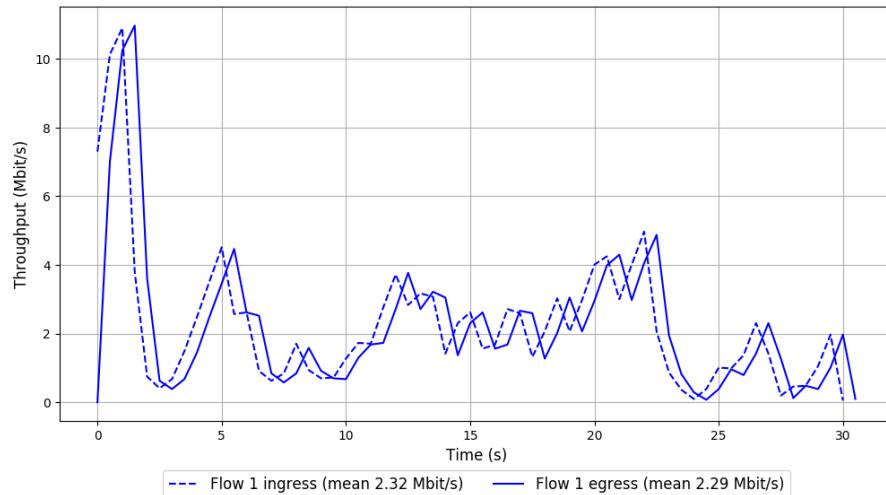


Run 4: Statistics of TCP Vegas

```
Start at: 2019-01-18 20:11:37
End at: 2019-01-18 20:12:07
Local clock offset: -1.826 ms
Remote clock offset: -1.473 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 8.529 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 2.29 Mbit/s
95th percentile per-packet one-way delay: 8.529 ms
Loss rate: 1.45%
```

Run 4: Report of TCP Vegas — Data Link

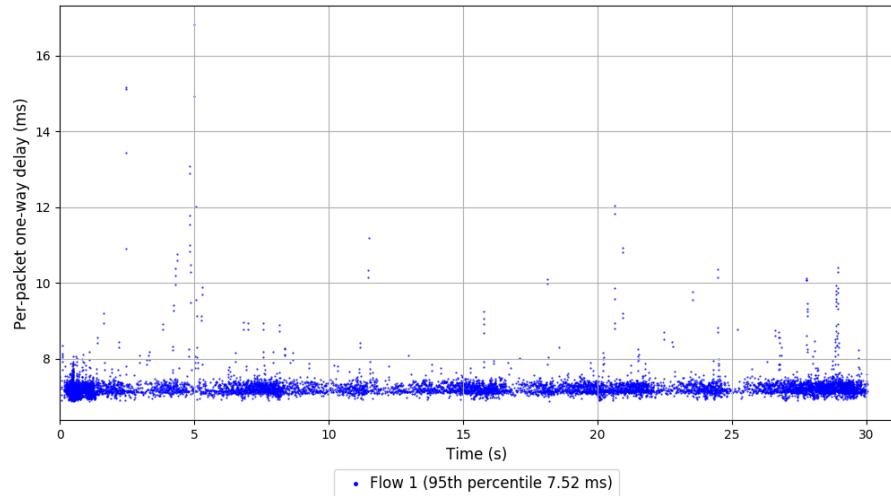
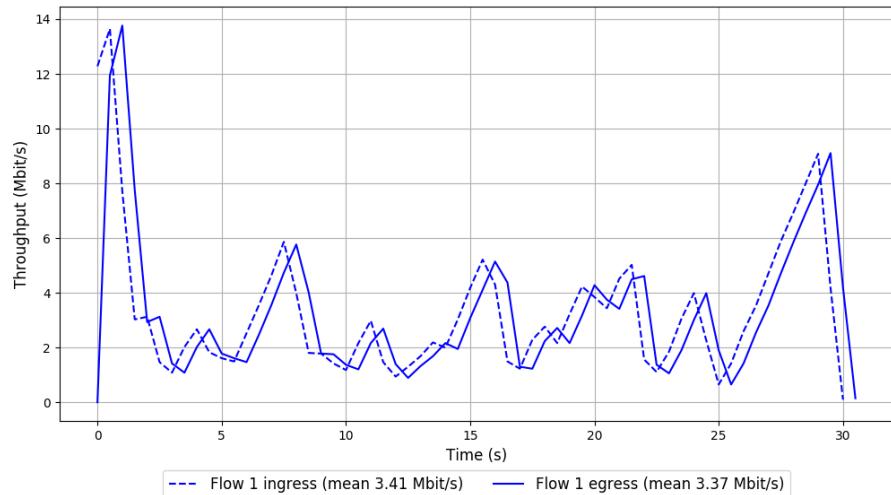


Run 5: Statistics of TCP Vegas

```
Start at: 2019-01-18 20:35:53
End at: 2019-01-18 20:36:23
Local clock offset: -0.663 ms
Remote clock offset: -2.296 ms

# Below is generated by plot.py at 2019-01-18 20:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 7.517 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 3.37 Mbit/s
95th percentile per-packet one-way delay: 7.517 ms
Loss rate: 1.19%
```

Run 5: Report of TCP Vegas — Data Link

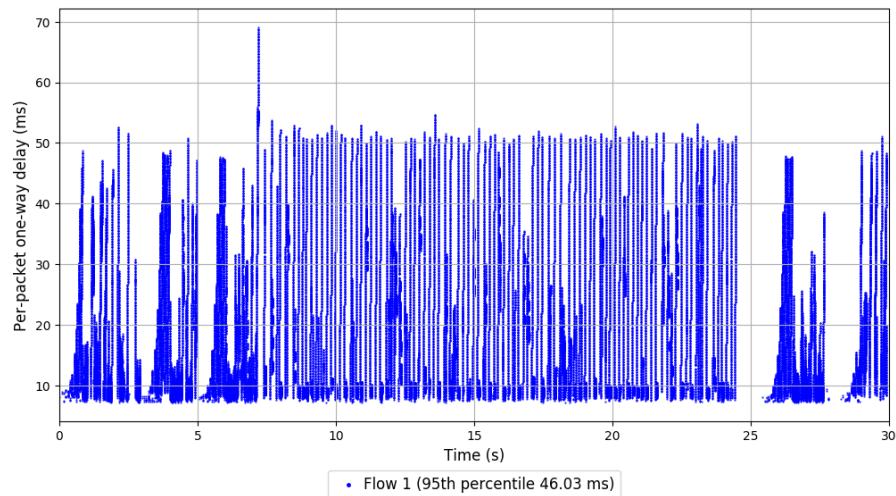
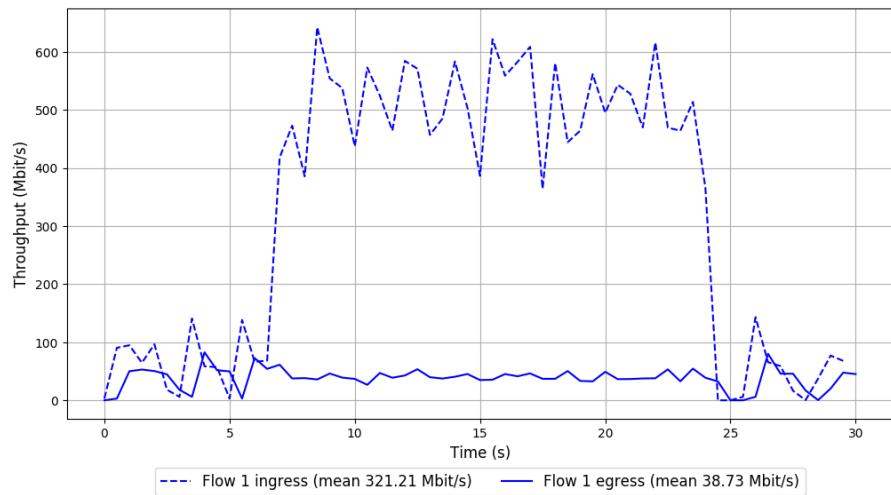


Run 1: Statistics of Verus

```
Start at: 2019-01-18 19:12:07
End at: 2019-01-18 19:12:37
Local clock offset: -4.619 ms
Remote clock offset: -1.017 ms

# Below is generated by plot.py at 2019-01-18 20:59:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.73 Mbit/s
95th percentile per-packet one-way delay: 46.029 ms
Loss rate: 87.94%
-- Flow 1:
Average throughput: 38.73 Mbit/s
95th percentile per-packet one-way delay: 46.029 ms
Loss rate: 87.94%
```

Run 1: Report of Verus — Data Link

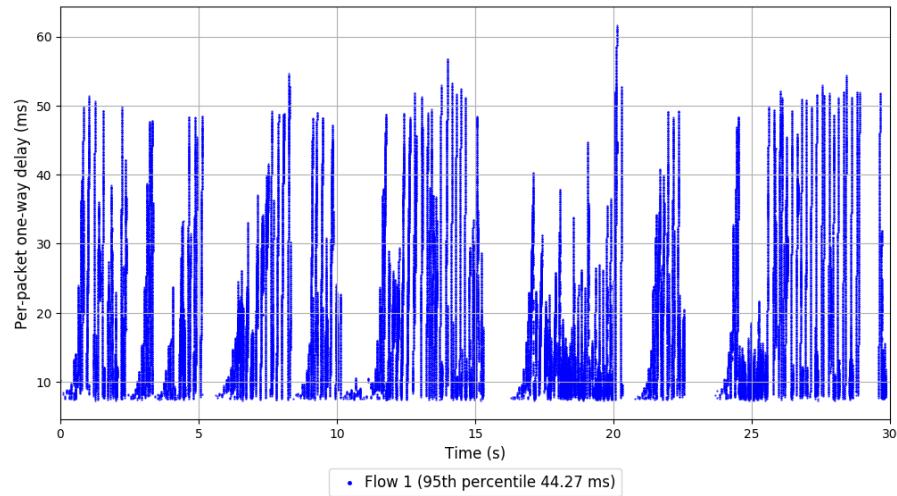
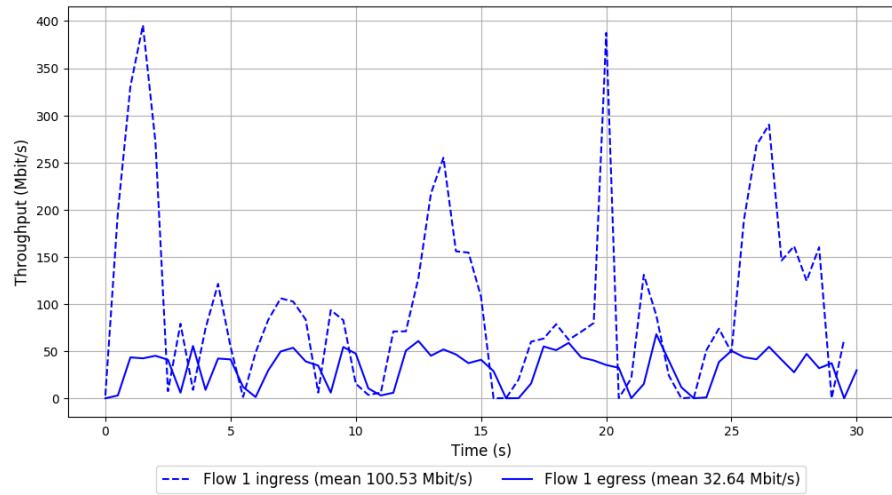


Run 2: Statistics of Verus

```
Start at: 2019-01-18 19:37:26
End at: 2019-01-18 19:37:56
Local clock offset: -0.08 ms
Remote clock offset: -1.296 ms

# Below is generated by plot.py at 2019-01-18 20:59:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.64 Mbit/s
95th percentile per-packet one-way delay: 44.274 ms
Loss rate: 67.53%
-- Flow 1:
Average throughput: 32.64 Mbit/s
95th percentile per-packet one-way delay: 44.274 ms
Loss rate: 67.53%
```

Run 2: Report of Verus — Data Link

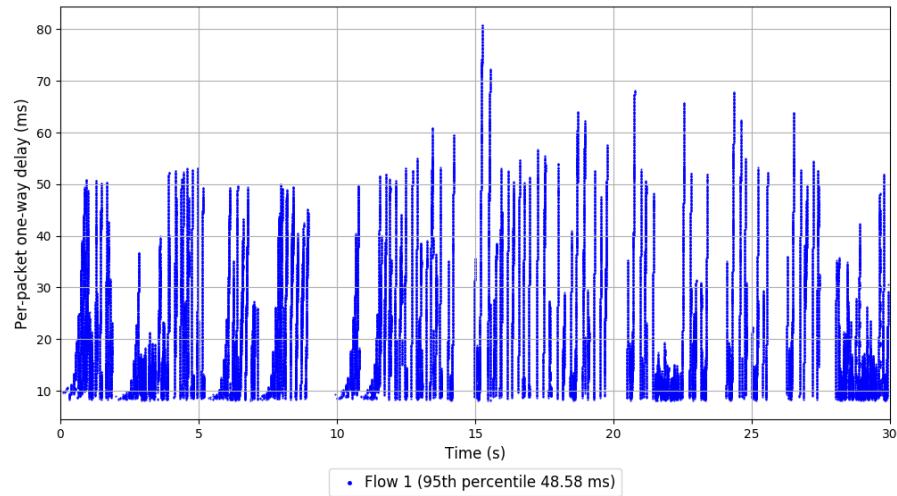
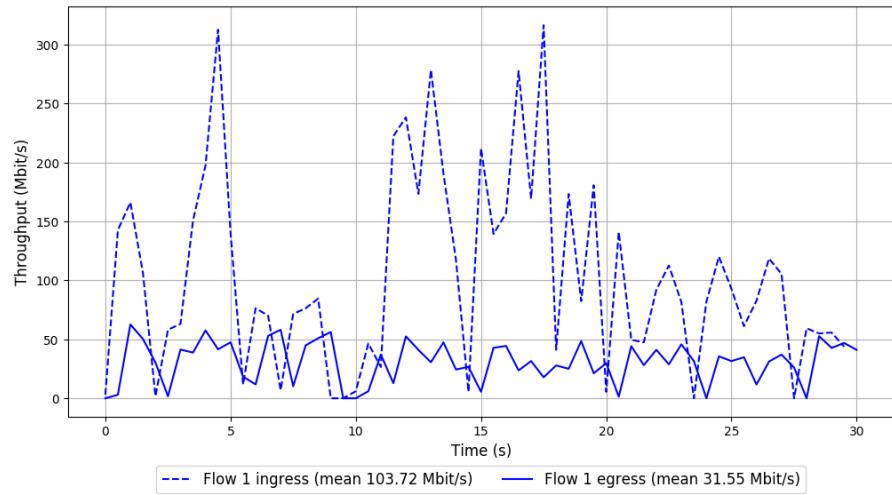


Run 3: Statistics of Verus

```
Start at: 2019-01-18 20:02:35
End at: 2019-01-18 20:03:05
Local clock offset: -2.299 ms
Remote clock offset: -0.948 ms

# Below is generated by plot.py at 2019-01-18 20:59:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 31.55 Mbit/s
95th percentile per-packet one-way delay: 48.577 ms
Loss rate: 69.56%
-- Flow 1:
Average throughput: 31.55 Mbit/s
95th percentile per-packet one-way delay: 48.577 ms
Loss rate: 69.56%
```

Run 3: Report of Verus — Data Link

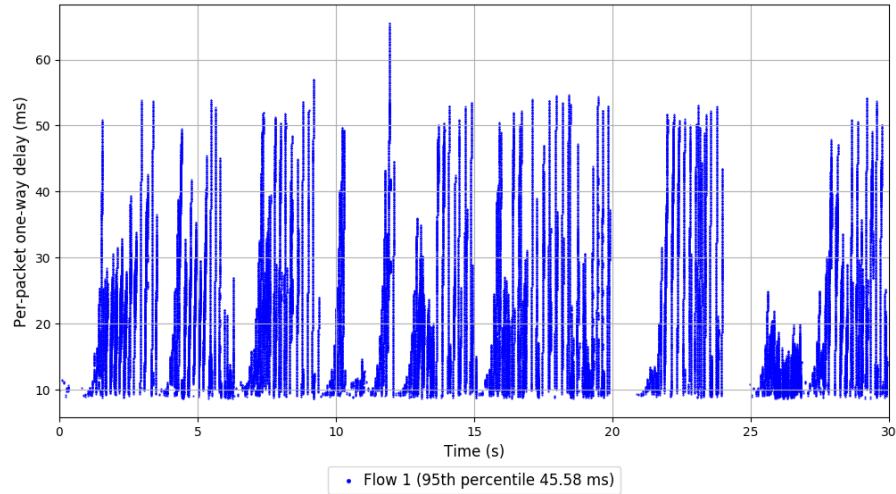
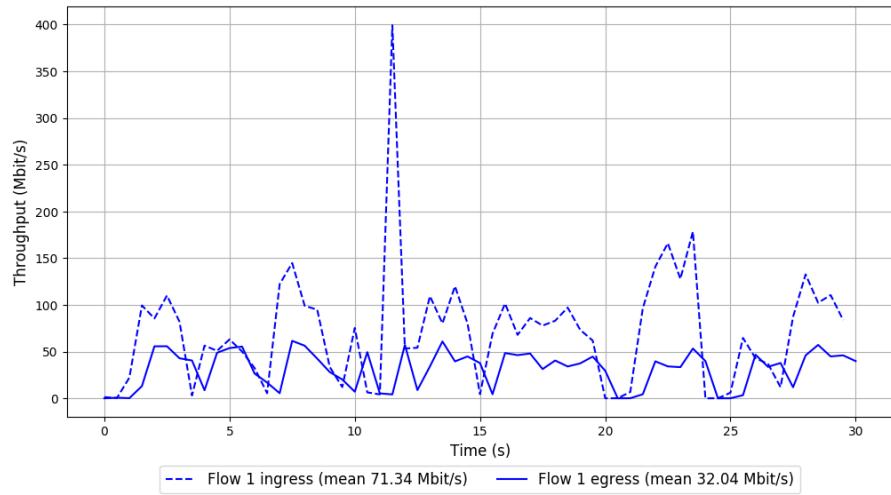


Run 4: Statistics of Verus

```
Start at: 2019-01-18 20:26:37
End at: 2019-01-18 20:27:07
Local clock offset: -2.234 ms
Remote clock offset: -1.622 ms

# Below is generated by plot.py at 2019-01-18 20:59:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.04 Mbit/s
95th percentile per-packet one-way delay: 45.576 ms
Loss rate: 55.08%
-- Flow 1:
Average throughput: 32.04 Mbit/s
95th percentile per-packet one-way delay: 45.576 ms
Loss rate: 55.08%
```

Run 4: Report of Verus — Data Link

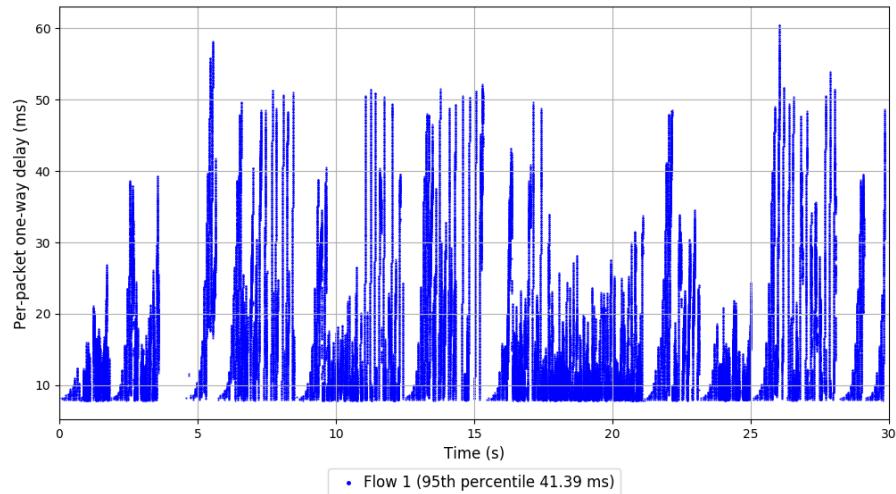
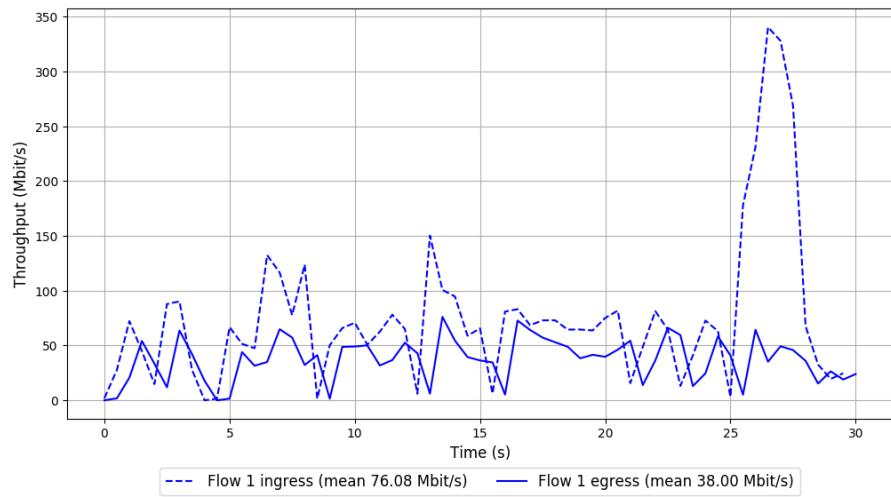


Run 5: Statistics of Verus

```
Start at: 2019-01-18 20:51:34
End at: 2019-01-18 20:52:04
Local clock offset: -1.427 ms
Remote clock offset: -2.691 ms

# Below is generated by plot.py at 2019-01-18 20:59:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 41.387 ms
Loss rate: 49.99%
-- Flow 1:
Average throughput: 38.00 Mbit/s
95th percentile per-packet one-way delay: 41.387 ms
Loss rate: 49.99%
```

Run 5: Report of Verus — Data Link

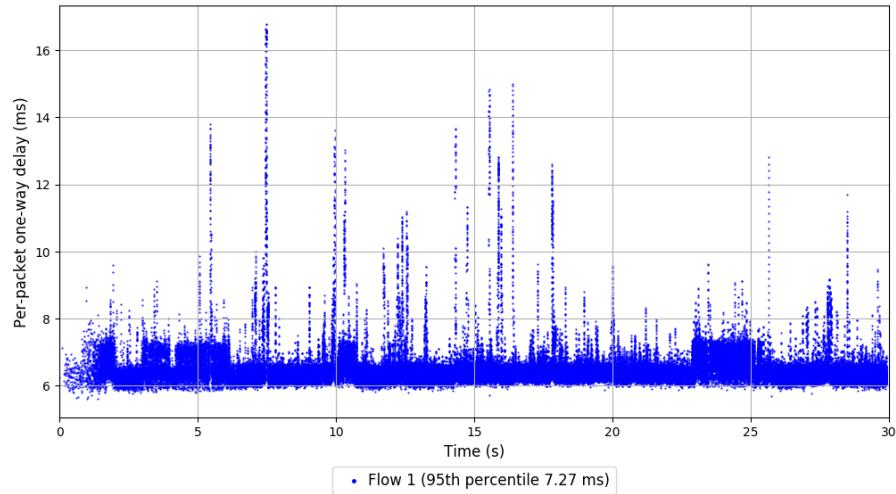
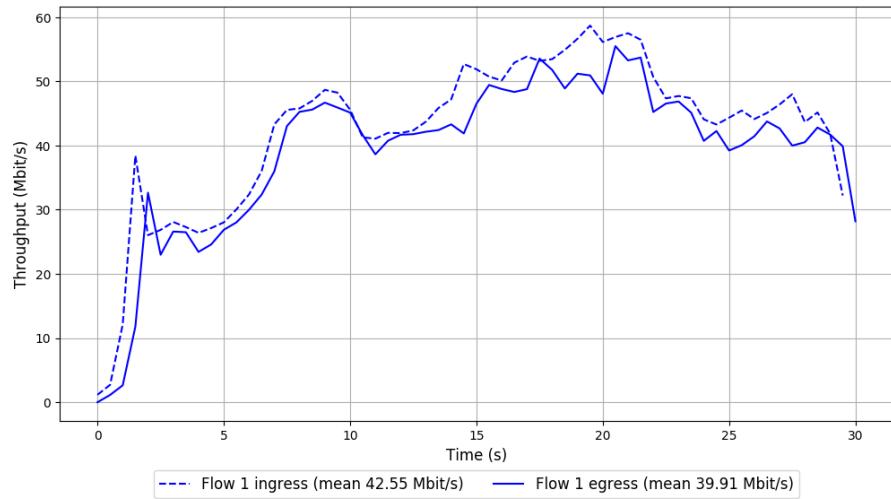


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-01-18 19:08:28
End at: 2019-01-18 19:08:58
Local clock offset: -4.617 ms
Remote clock offset: -2.698 ms

# Below is generated by plot.py at 2019-01-18 20:59:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 7.270 ms
Loss rate: 6.21%
-- Flow 1:
Average throughput: 39.91 Mbit/s
95th percentile per-packet one-way delay: 7.270 ms
Loss rate: 6.21%
```

Run 1: Report of PCC-Vivace — Data Link

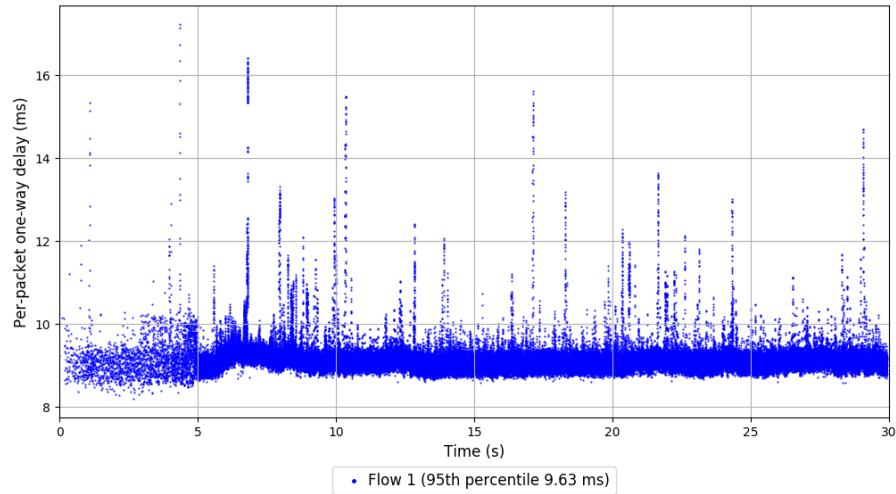
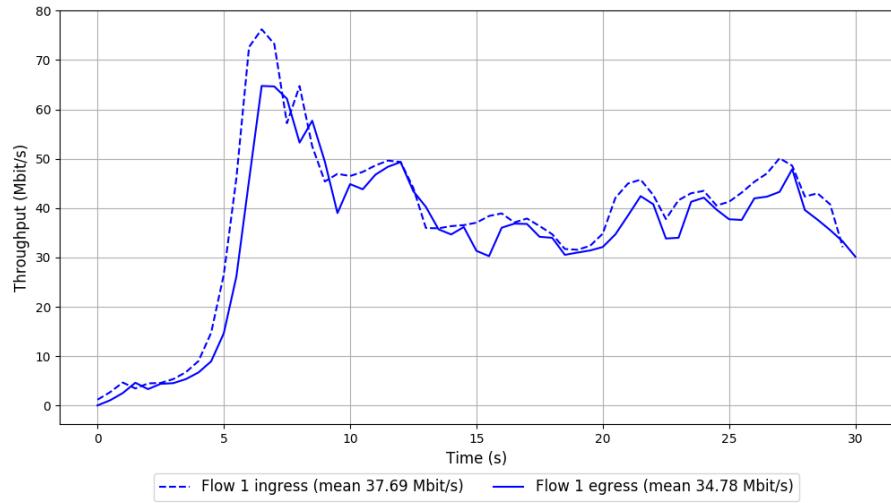


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-01-18 19:33:41
End at: 2019-01-18 19:34:11
Local clock offset: -1.699 ms
Remote clock offset: -1.307 ms

# Below is generated by plot.py at 2019-01-18 20:59:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.78 Mbit/s
95th percentile per-packet one-way delay: 9.631 ms
Loss rate: 7.73%
-- Flow 1:
Average throughput: 34.78 Mbit/s
95th percentile per-packet one-way delay: 9.631 ms
Loss rate: 7.73%
```

Run 2: Report of PCC-Vivace — Data Link

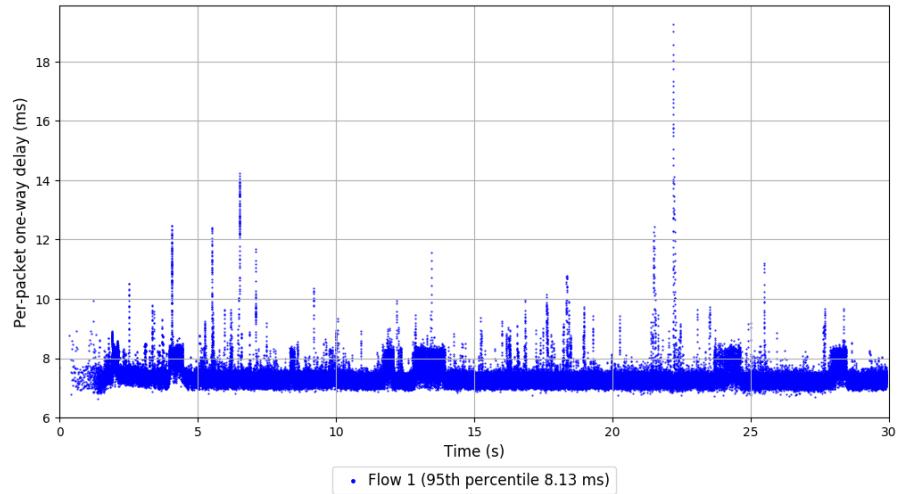
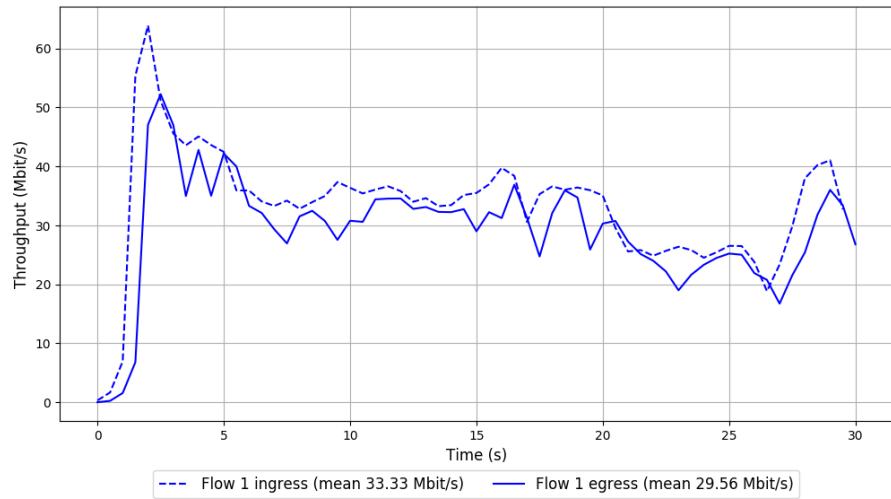


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-01-18 19:59:06
End at: 2019-01-18 19:59:36
Local clock offset: -1.298 ms
Remote clock offset: -1.77 ms

# Below is generated by plot.py at 2019-01-18 20:59:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.56 Mbit/s
95th percentile per-packet one-way delay: 8.135 ms
Loss rate: 11.30%
-- Flow 1:
Average throughput: 29.56 Mbit/s
95th percentile per-packet one-way delay: 8.135 ms
Loss rate: 11.30%
```

Run 3: Report of PCC-Vivace — Data Link

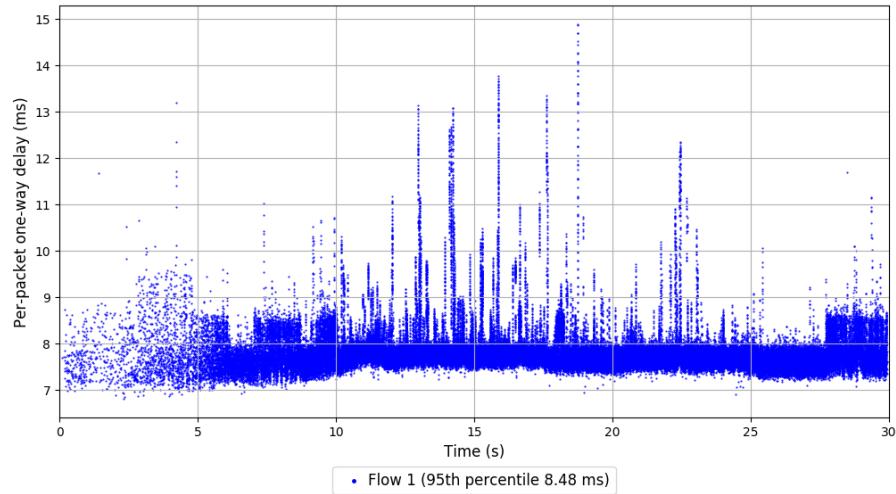
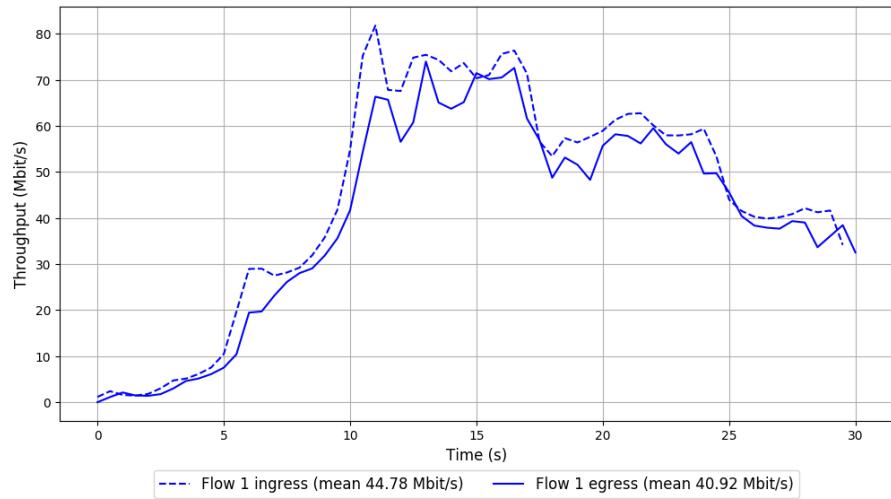


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-01-18 20:23:06
End at: 2019-01-18 20:23:36
Local clock offset: -0.832 ms
Remote clock offset: -1.591 ms

# Below is generated by plot.py at 2019-01-18 20:59:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 40.92 Mbit/s
95th percentile per-packet one-way delay: 8.483 ms
Loss rate: 8.63%
-- Flow 1:
Average throughput: 40.92 Mbit/s
95th percentile per-packet one-way delay: 8.483 ms
Loss rate: 8.63%
```

Run 4: Report of PCC-Vivace — Data Link

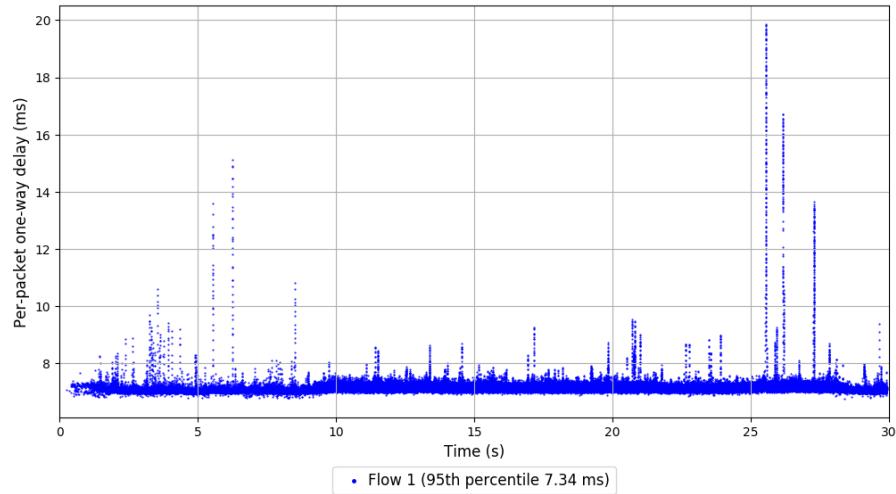
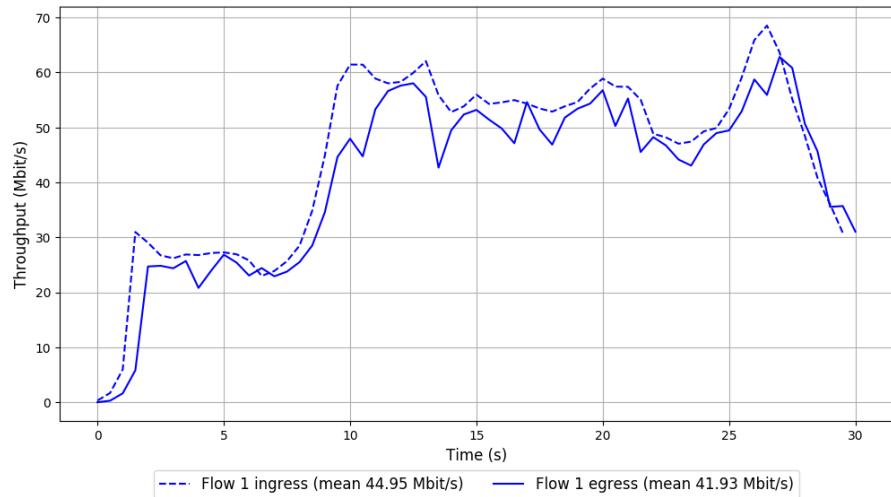


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-01-18 20:47:52
End at: 2019-01-18 20:48:22
Local clock offset: -0.714 ms
Remote clock offset: -2.841 ms

# Below is generated by plot.py at 2019-01-18 20:59:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 41.93 Mbit/s
95th percentile per-packet one-way delay: 7.338 ms
Loss rate: 7.53%
-- Flow 1:
Average throughput: 41.93 Mbit/s
95th percentile per-packet one-way delay: 7.338 ms
Loss rate: 7.53%
```

Run 5: Report of PCC-Vivace — Data Link

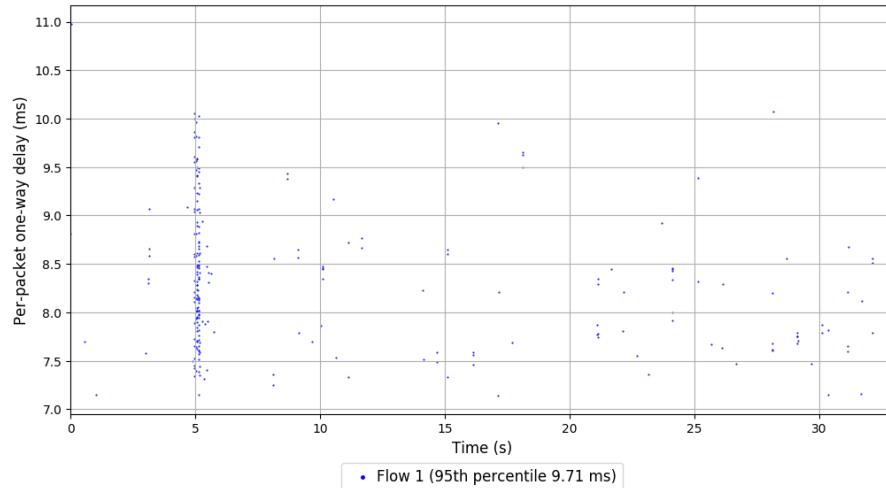
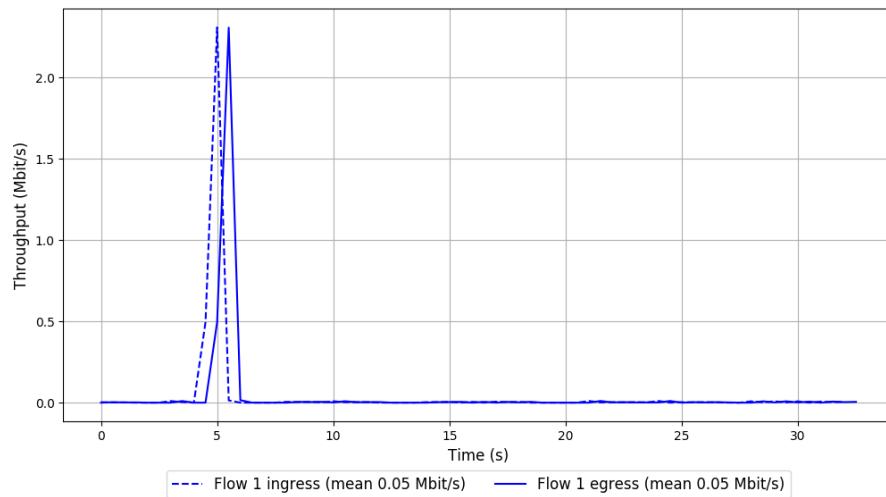


Run 1: Statistics of WebRTC media

```
Start at: 2019-01-18 18:55:25
End at: 2019-01-18 18:55:55
Local clock offset: -4.443 ms
Remote clock offset: -1.673 ms

# Below is generated by plot.py at 2019-01-18 20:59:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 9.709 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 9.709 ms
Loss rate: 0.33%
```

Run 1: Report of WebRTC media — Data Link

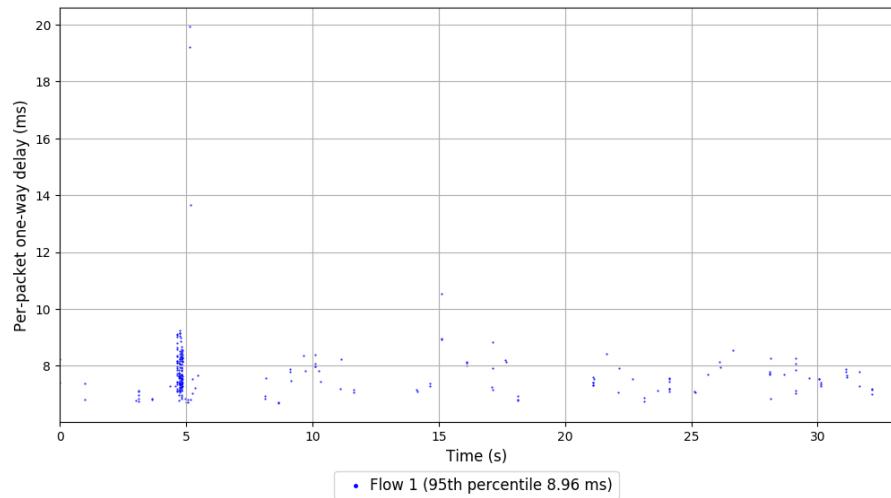
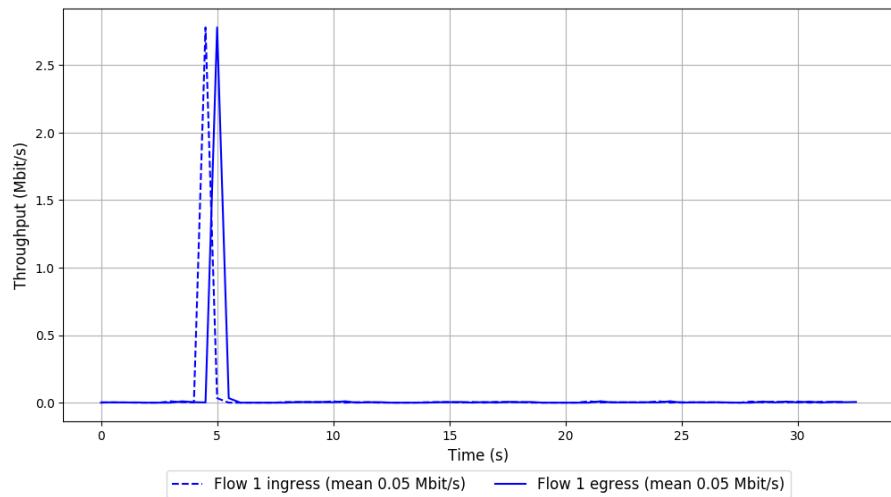


Run 2: Statistics of WebRTC media

```
Start at: 2019-01-18 19:20:35
End at: 2019-01-18 19:21:06
Local clock offset: -3.239 ms
Remote clock offset: -1.782 ms

# Below is generated by plot.py at 2019-01-18 20:59:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 8.965 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 8.965 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

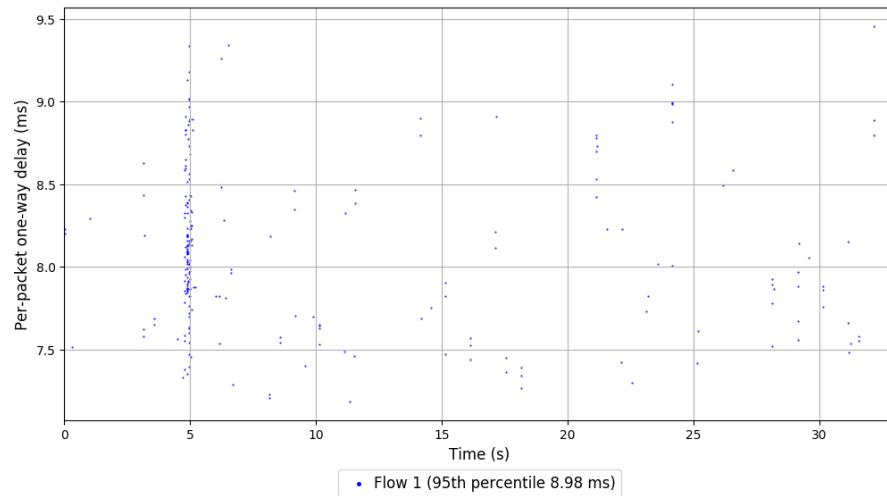
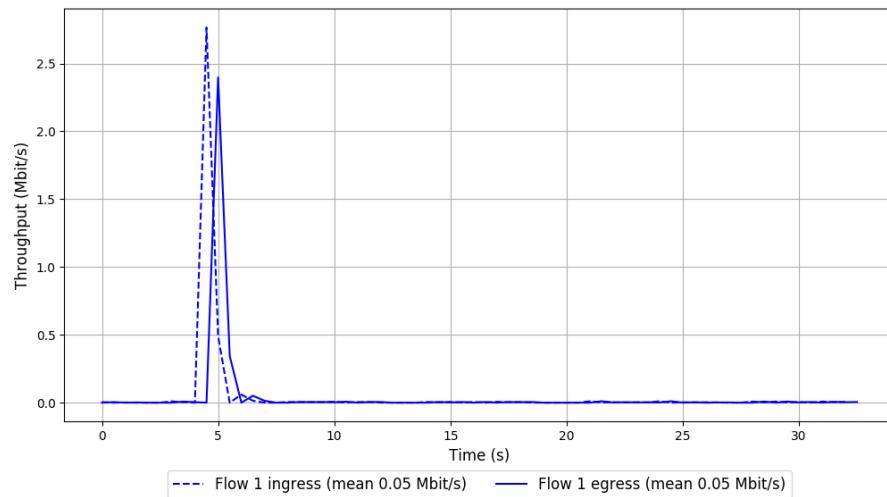


```
Run 3: Statistics of WebRTC media

Start at: 2019-01-18 19:46:01
End at: 2019-01-18 19:46:31
Local clock offset: 0.858 ms
Remote clock offset: -1.009 ms

# Below is generated by plot.py at 2019-01-18 20:59:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 8.983 ms
Loss rate: 15.17%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 8.983 ms
Loss rate: 15.17%
```

Run 3: Report of WebRTC media — Data Link

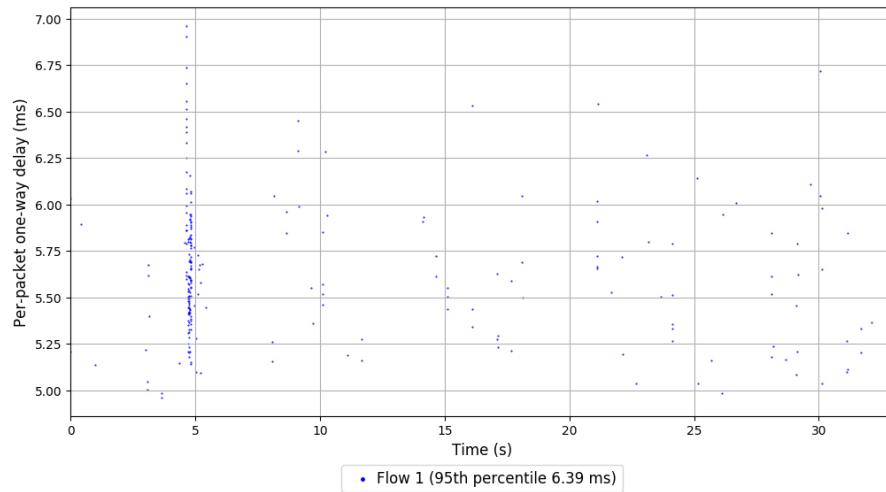
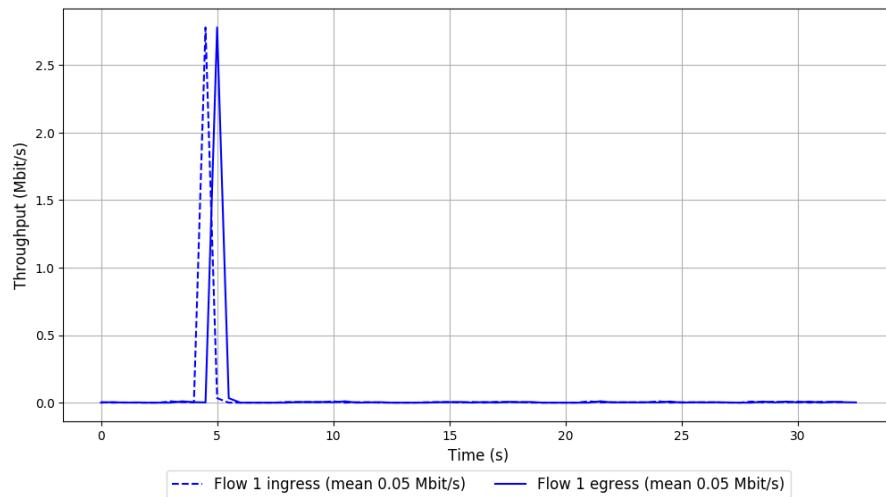


Run 4: Statistics of WebRTC media

```
Start at: 2019-01-18 20:10:31
End at: 2019-01-18 20:11:01
Local clock offset: -0.083 ms
Remote clock offset: -1.547 ms

# Below is generated by plot.py at 2019-01-18 20:59:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 6.388 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 6.388 ms
Loss rate: 0.22%
```

Run 4: Report of WebRTC media — Data Link



```
Run 5: Statistics of WebRTC media

Start at: 2019-01-18 20:34:47
End at: 2019-01-18 20:35:17
Local clock offset: 1.174 ms
Remote clock offset: -2.309 ms

# Below is generated by plot.py at 2019-01-18 20:59:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 6.259 ms
Loss rate: 3.35%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 6.259 ms
Loss rate: 3.35%
```

Run 5: Report of WebRTC media — Data Link

