

Pantheon Report

Generated at 2019-02-05 16:11:02 (UTC).
Data path: Saudi Arabia on `enp2s0` (*remote*) → AWS India 2 on `ens5` (*local*).
Repeated the test of 21 congestion control schemes 5 times.
Each test lasted for 30 seconds running 1 flow.
NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

System info:

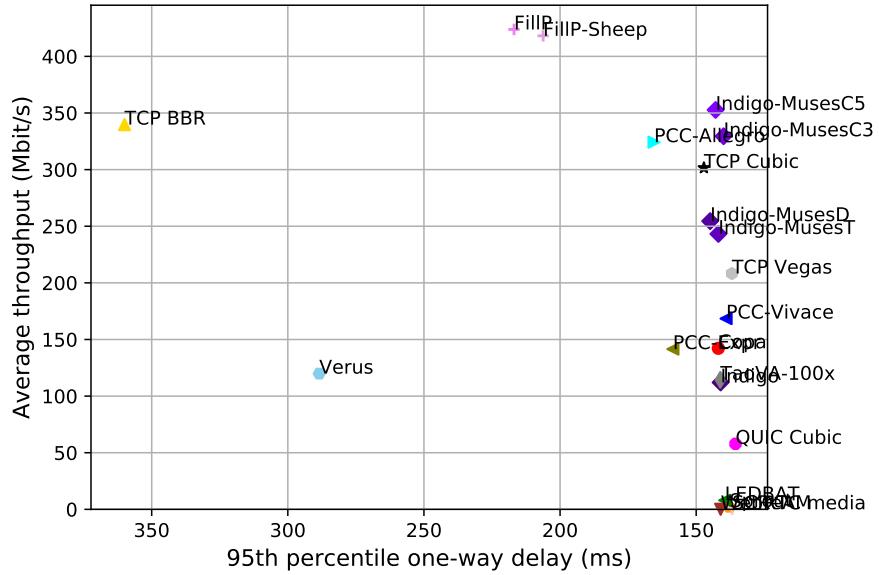
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

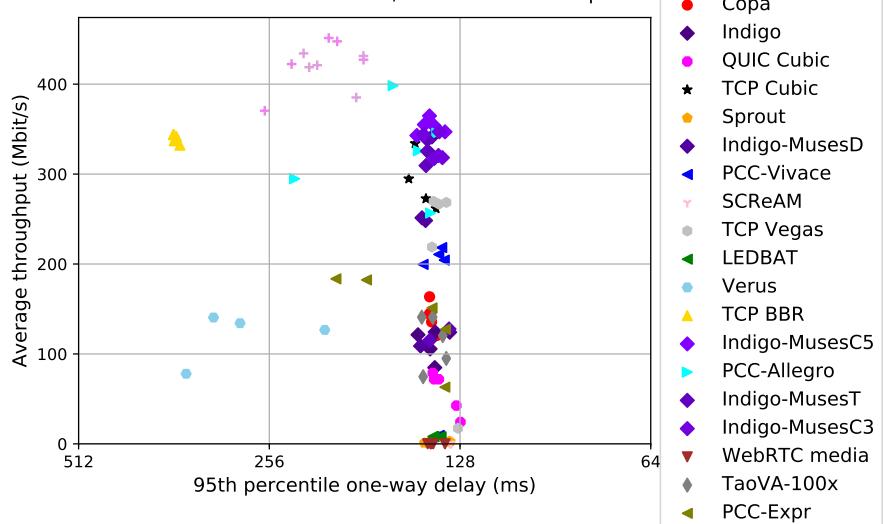
```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/pantheon-tunnel @ f866d3f58d27afd942717625ee3a354cc2e802bd
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 Saudi Arabia to AWS India 2, 5 runs of 30s each per scheme
(mean of all runs by scheme)



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



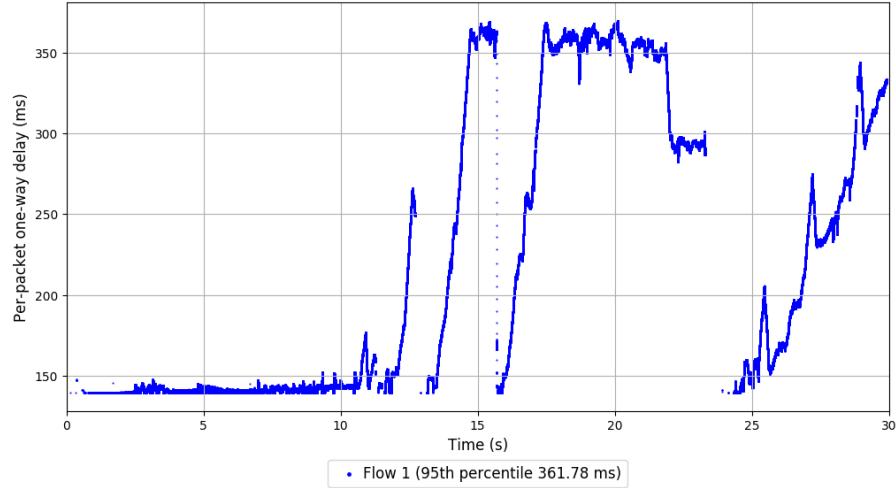
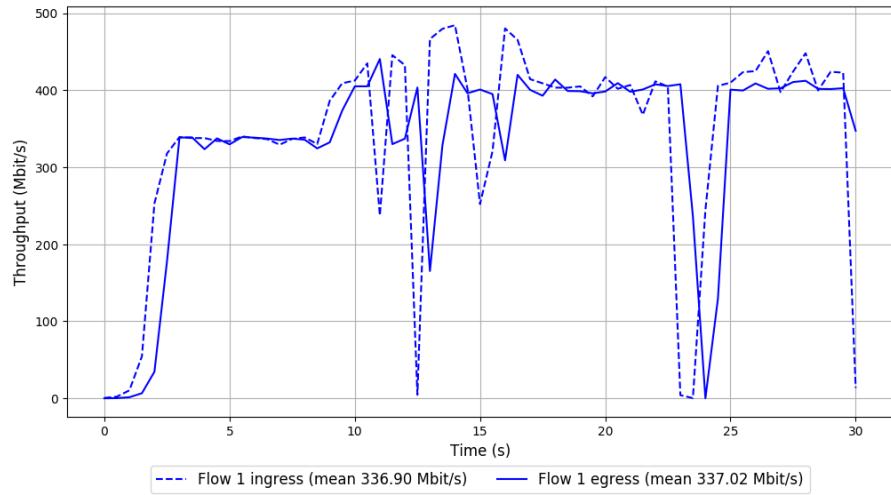
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	339.75	359.98	1.92
Copa	5	142.23	141.87	0.80
TCP Cubic	5	301.53	147.17	0.84
FillP	5	423.78	216.91	1.89
FillP-Sheep	5	418.13	206.22	1.04
Indigo	5	112.05	141.04	0.58
Indigo-MusesC3	5	329.47	139.94	0.79
Indigo-MusesC5	5	352.70	142.88	0.79
Indigo-MusesD	5	254.54	144.87	1.23
Indigo-MusesT	5	243.19	141.84	0.79
LEDBAT	5	7.98	139.51	1.42
PCC-Allegro	5	324.24	165.47	0.90
PCC-Expr	5	141.50	158.57	1.08
QUIC Cubic	5	57.87	135.55	0.78
SCReAM	5	0.22	136.80	0.67
Sprout	5	2.00	137.72	0.57
TaoVA-100x	5	114.38	141.13	0.67
TCP Vegas	5	208.22	136.88	0.73
Verus	4	119.84	288.48	0.68
PCC-Vivace	5	168.46	139.03	0.84
WebRTC media	5	0.05	141.02	0.01

Run 1: Statistics of TCP BBR

```
Start at: 2019-02-05 13:08:50
End at: 2019-02-05 13:09:20
Local clock offset: -1.362 ms
Remote clock offset: -40.447 ms

# Below is generated by plot.py at 2019-02-05 15:43:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 337.02 Mbit/s
95th percentile per-packet one-way delay: 361.780 ms
Loss rate: 2.10%
-- Flow 1:
Average throughput: 337.02 Mbit/s
95th percentile per-packet one-way delay: 361.780 ms
Loss rate: 2.10%
```

Run 1: Report of TCP BBR — Data Link

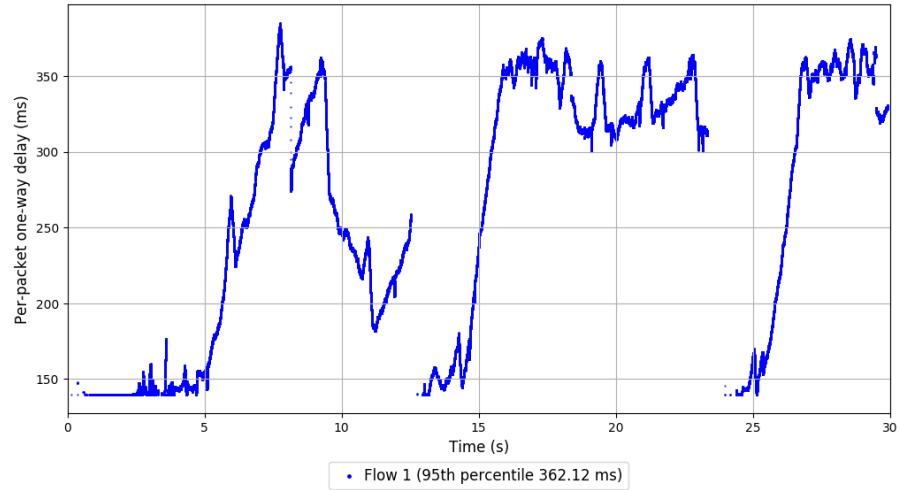
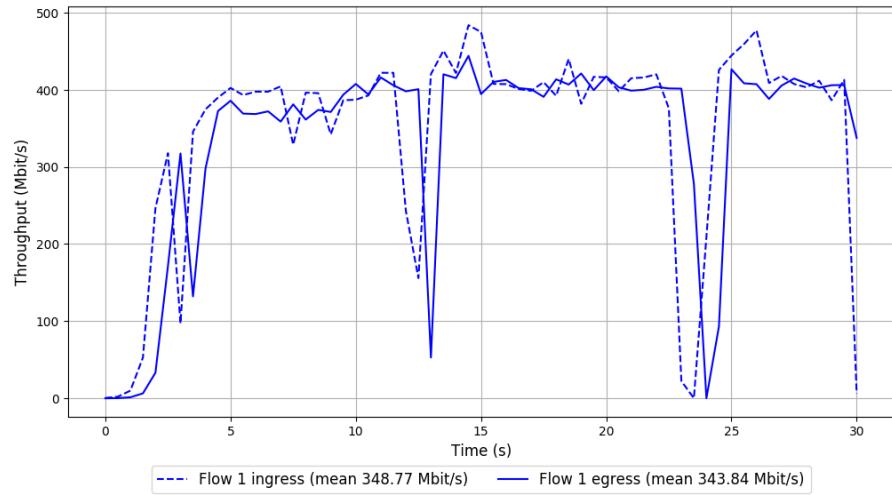


Run 2: Statistics of TCP BBR

```
Start at: 2019-02-05 13:43:12
End at: 2019-02-05 13:43:42
Local clock offset: -0.753 ms
Remote clock offset: -36.389 ms

# Below is generated by plot.py at 2019-02-05 15:43:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 343.84 Mbit/s
95th percentile per-packet one-way delay: 362.118 ms
Loss rate: 2.20%
-- Flow 1:
Average throughput: 343.84 Mbit/s
95th percentile per-packet one-way delay: 362.118 ms
Loss rate: 2.20%
```

Run 2: Report of TCP BBR — Data Link

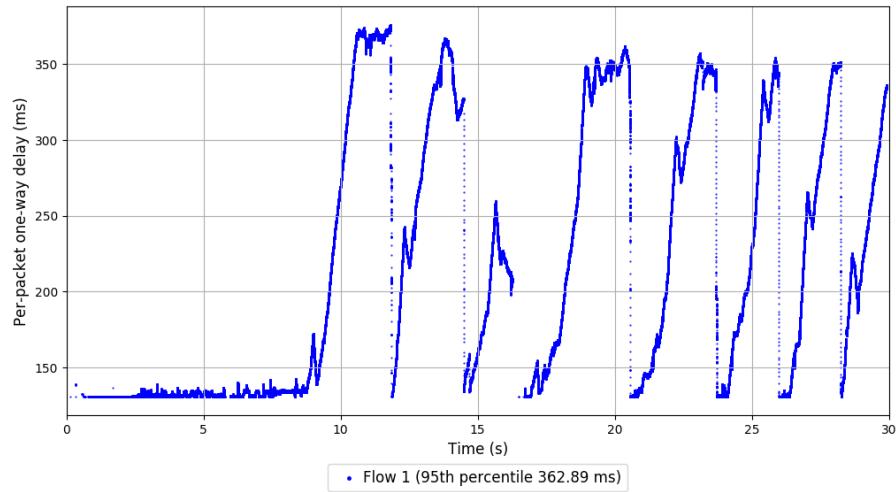
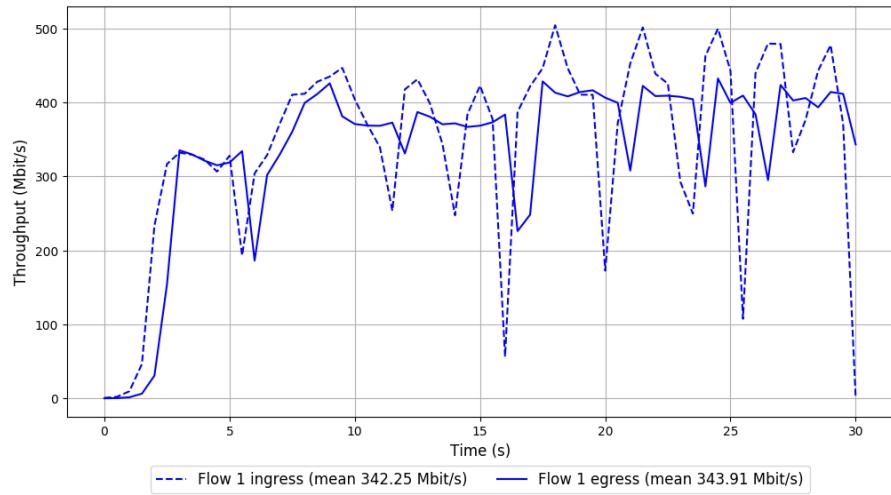


Run 3: Statistics of TCP BBR

```
Start at: 2019-02-05 14:17:17
End at: 2019-02-05 14:17:47
Local clock offset: -2.047 ms
Remote clock offset: -29.439 ms

# Below is generated by plot.py at 2019-02-05 15:43:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 343.91 Mbit/s
95th percentile per-packet one-way delay: 362.887 ms
Loss rate: 1.77%
-- Flow 1:
Average throughput: 343.91 Mbit/s
95th percentile per-packet one-way delay: 362.887 ms
Loss rate: 1.77%
```

Run 3: Report of TCP BBR — Data Link

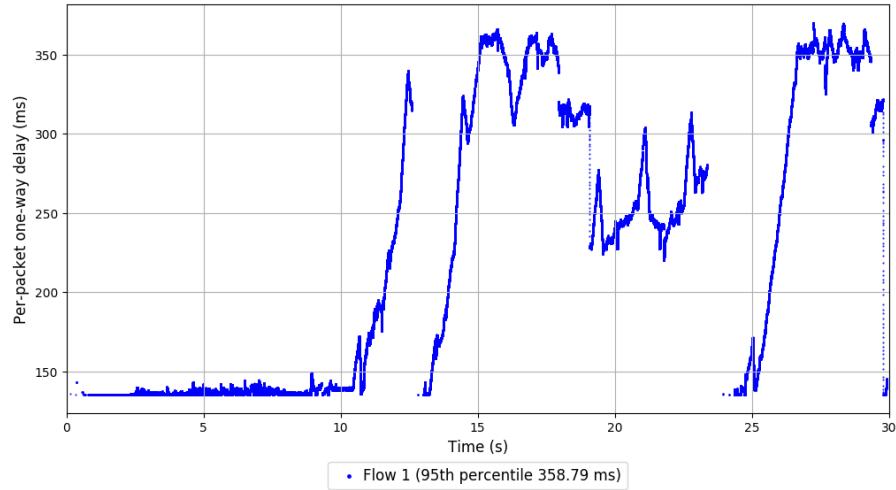
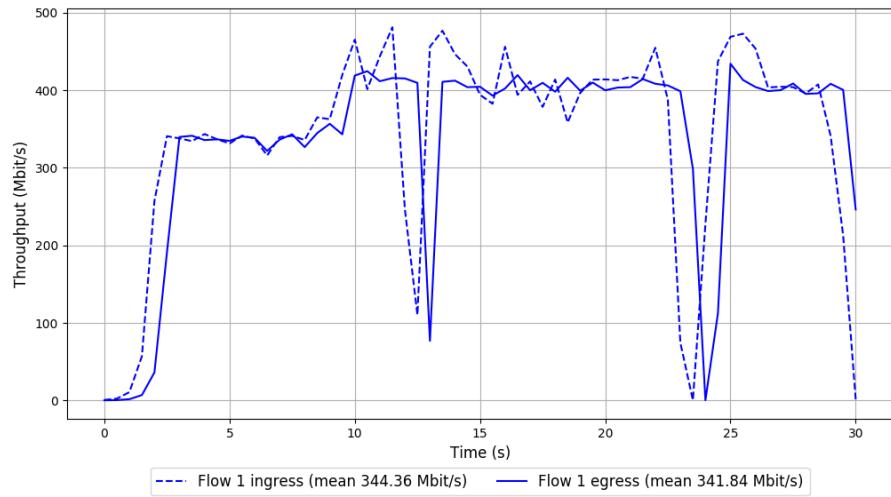


Run 4: Statistics of TCP BBR

```
Start at: 2019-02-05 14:45:12
End at: 2019-02-05 14:45:42
Local clock offset: 1.655 ms
Remote clock offset: -28.183 ms

# Below is generated by plot.py at 2019-02-05 15:43:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 341.84 Mbit/s
95th percentile per-packet one-way delay: 358.788 ms
Loss rate: 1.43%
-- Flow 1:
Average throughput: 341.84 Mbit/s
95th percentile per-packet one-way delay: 358.788 ms
Loss rate: 1.43%
```

Run 4: Report of TCP BBR — Data Link

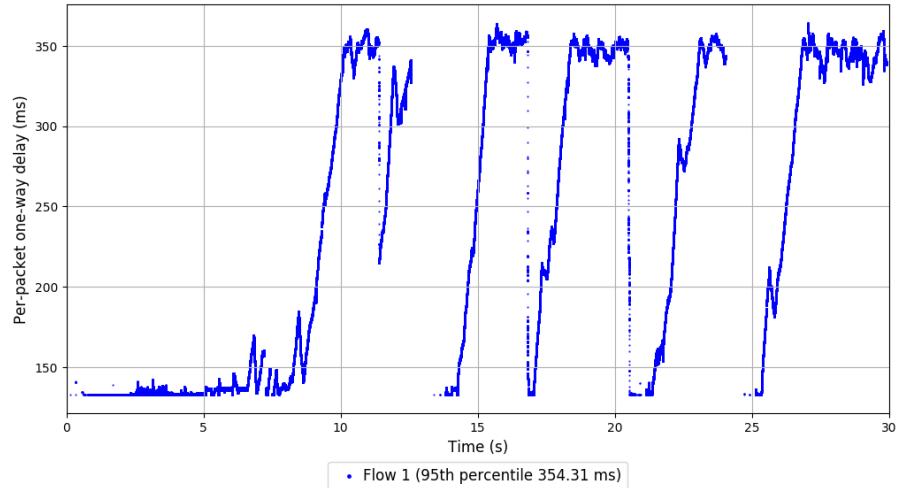
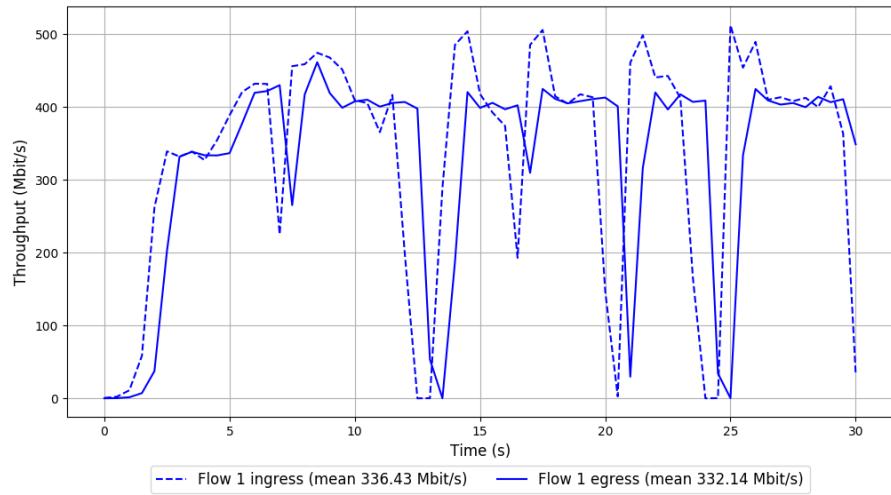


Run 5: Statistics of TCP BBR

```
Start at: 2019-02-05 15:24:50
End at: 2019-02-05 15:25:20
Local clock offset: -1.357 ms
Remote clock offset: -27.998 ms

# Below is generated by plot.py at 2019-02-05 15:43:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 332.14 Mbit/s
95th percentile per-packet one-way delay: 354.313 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 332.14 Mbit/s
95th percentile per-packet one-way delay: 354.313 ms
Loss rate: 2.08%
```

Run 5: Report of TCP BBR — Data Link

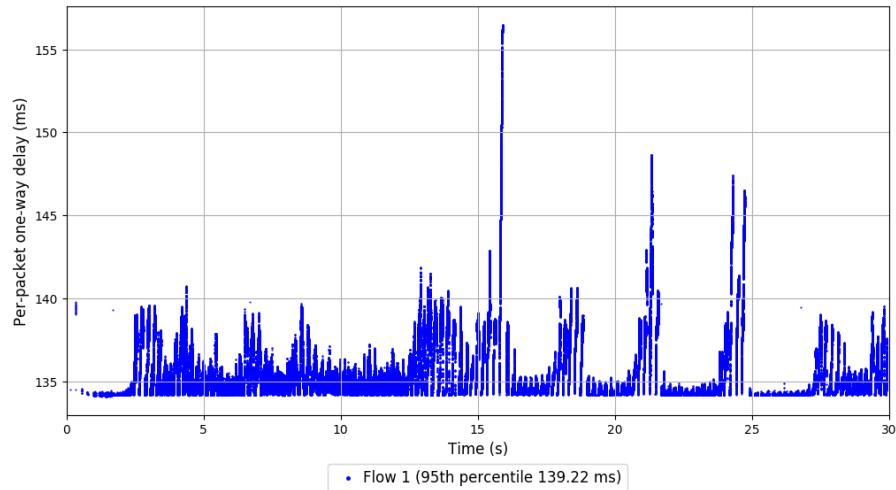
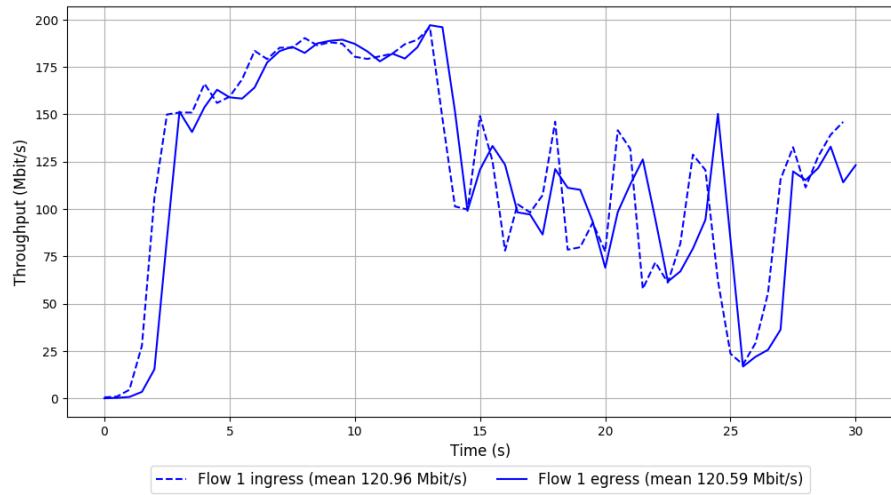


Run 1: Statistics of Copa

```
Start at: 2019-02-05 12:55:27
End at: 2019-02-05 12:55:57
Local clock offset: 0.155 ms
Remote clock offset: -33.069 ms

# Below is generated by plot.py at 2019-02-05 15:43:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 120.59 Mbit/s
95th percentile per-packet one-way delay: 139.216 ms
Loss rate: 1.01%
-- Flow 1:
Average throughput: 120.59 Mbit/s
95th percentile per-packet one-way delay: 139.216 ms
Loss rate: 1.01%
```

Run 1: Report of Copa — Data Link

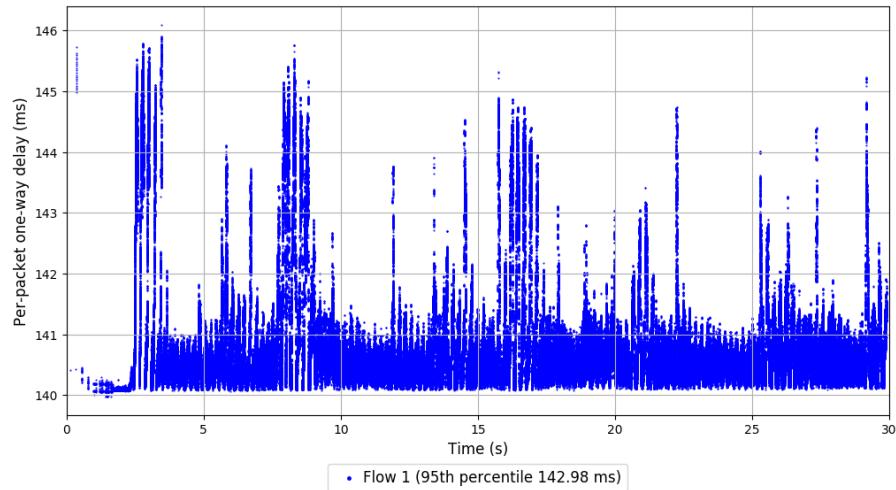
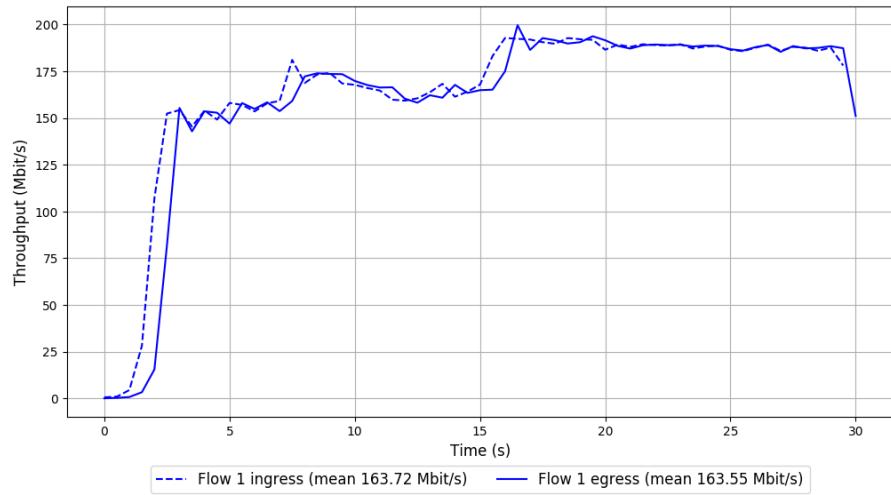


Run 2: Statistics of Copa

```
Start at: 2019-02-05 13:29:46
End at: 2019-02-05 13:30:16
Local clock offset: 0.043 ms
Remote clock offset: -36.92 ms

# Below is generated by plot.py at 2019-02-05 15:43:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 163.55 Mbit/s
95th percentile per-packet one-way delay: 142.977 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 163.55 Mbit/s
95th percentile per-packet one-way delay: 142.977 ms
Loss rate: 0.79%
```

Run 2: Report of Copa — Data Link

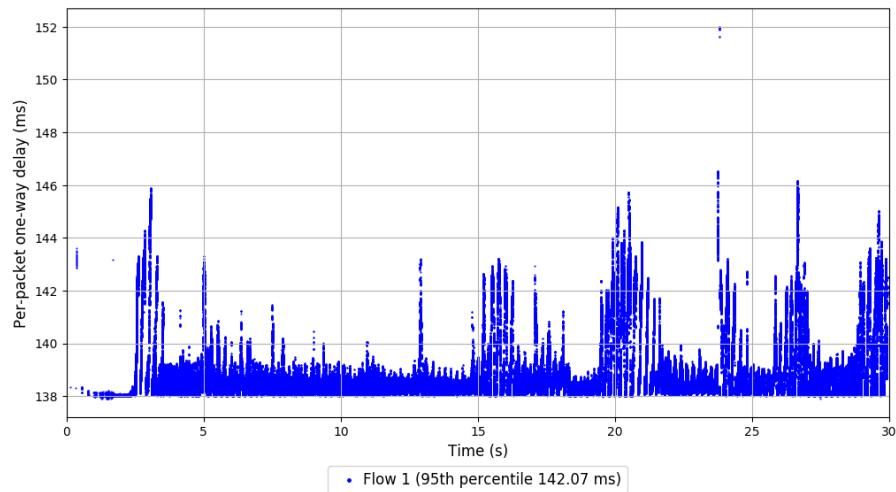
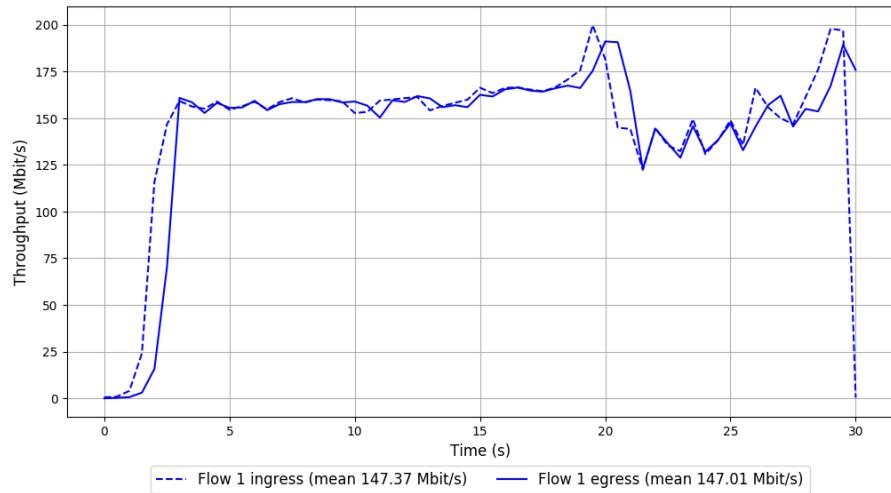


Run 3: Statistics of Copa

```
Start at: 2019-02-05 14:04:04
End at: 2019-02-05 14:04:34
Local clock offset: -1.638 ms
Remote clock offset: -35.151 ms

# Below is generated by plot.py at 2019-02-05 15:43:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 147.01 Mbit/s
95th percentile per-packet one-way delay: 142.070 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 147.01 Mbit/s
95th percentile per-packet one-way delay: 142.070 ms
Loss rate: 0.95%
```

Run 3: Report of Copa — Data Link

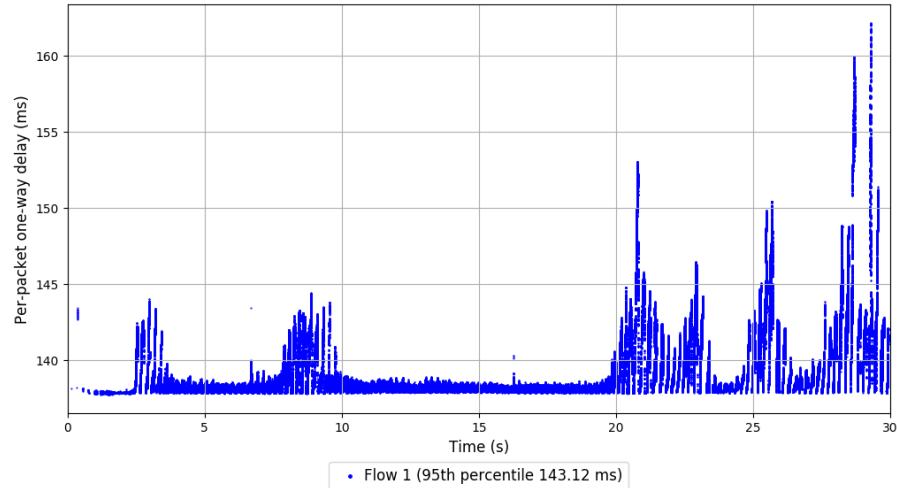
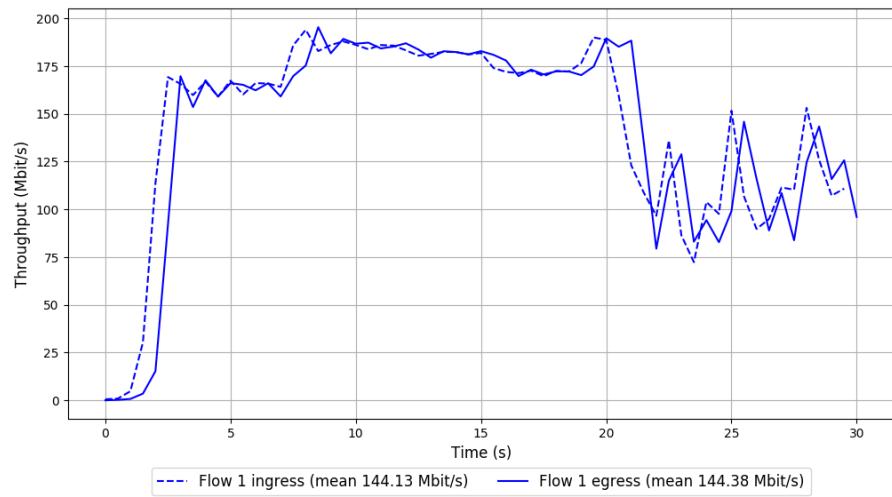


Run 4: Statistics of Copa

```
Start at: 2019-02-05 14:31:50
End at: 2019-02-05 14:32:20
Local clock offset: -0.318 ms
Remote clock offset: -34.455 ms

# Below is generated by plot.py at 2019-02-05 15:45:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 144.38 Mbit/s
95th percentile per-packet one-way delay: 143.124 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 144.38 Mbit/s
95th percentile per-packet one-way delay: 143.124 ms
Loss rate: 0.52%
```

Run 4: Report of Copa — Data Link

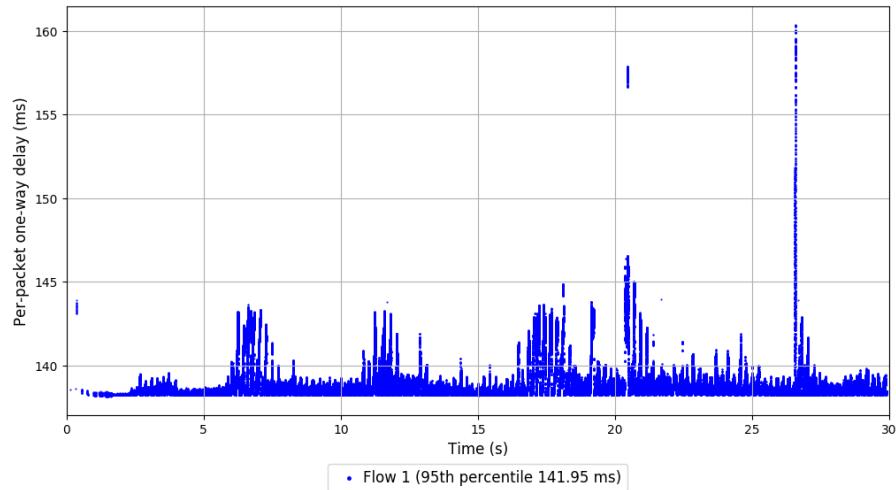
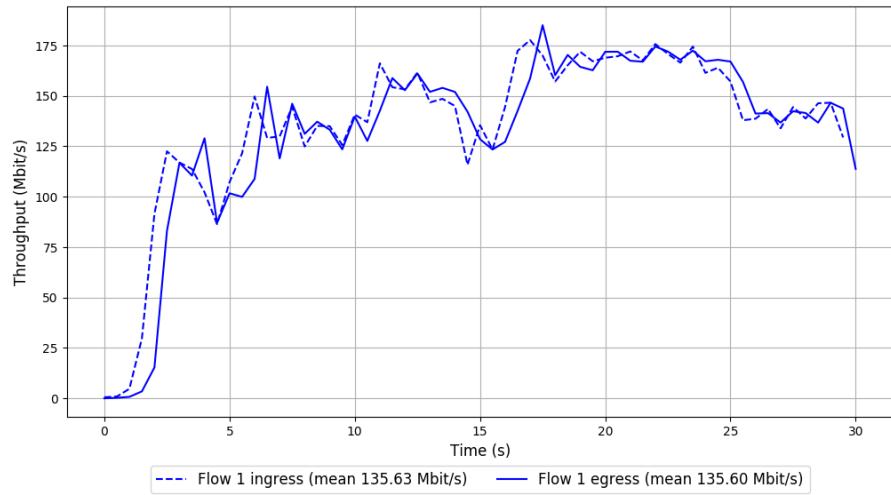


Run 5: Statistics of Copa

```
Start at: 2019-02-05 15:00:05
End at: 2019-02-05 15:00:35
Local clock offset: 1.114 ms
Remote clock offset: -32.003 ms

# Below is generated by plot.py at 2019-02-05 15:45:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 135.60 Mbit/s
95th percentile per-packet one-way delay: 141.947 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 135.60 Mbit/s
95th percentile per-packet one-way delay: 141.947 ms
Loss rate: 0.71%
```

Run 5: Report of Copa — Data Link

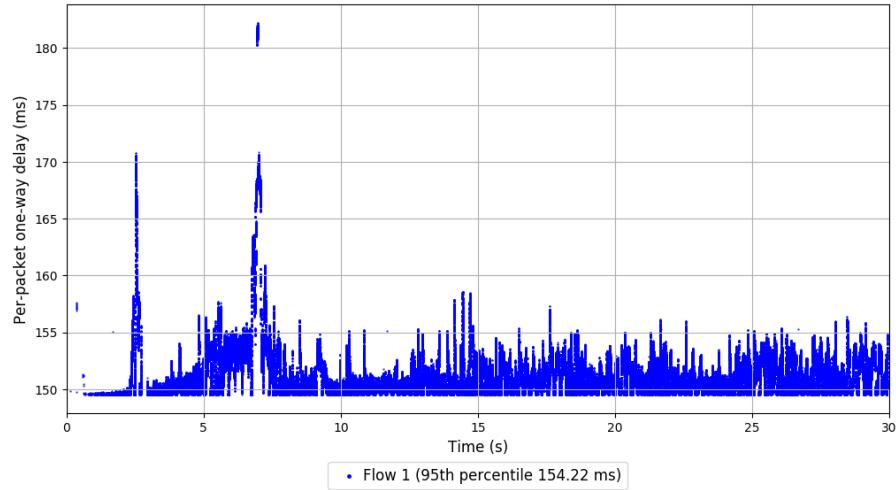
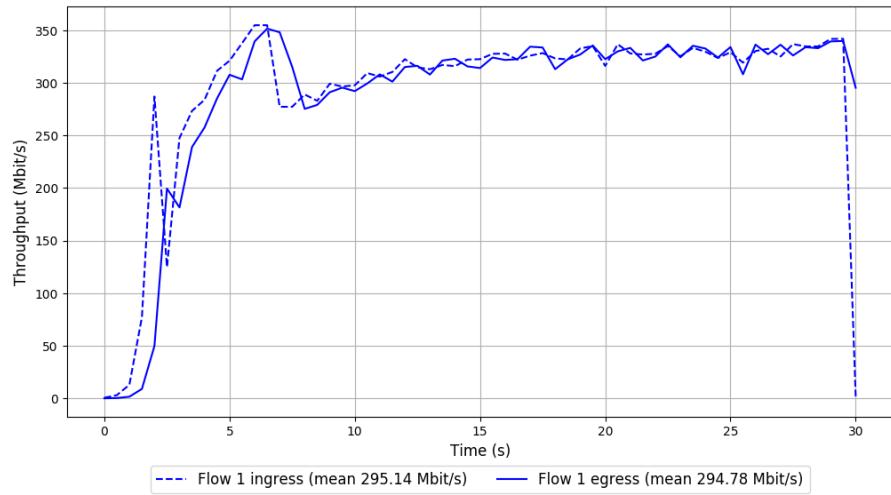


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-02-05 13:02:23
End at: 2019-02-05 13:02:53
Local clock offset: 2.113 ms
Remote clock offset: -45.601 ms

# Below is generated by plot.py at 2019-02-05 15:46:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 294.78 Mbit/s
95th percentile per-packet one-way delay: 154.218 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 294.78 Mbit/s
95th percentile per-packet one-way delay: 154.218 ms
Loss rate: 0.83%
```

Run 1: Report of TCP Cubic — Data Link

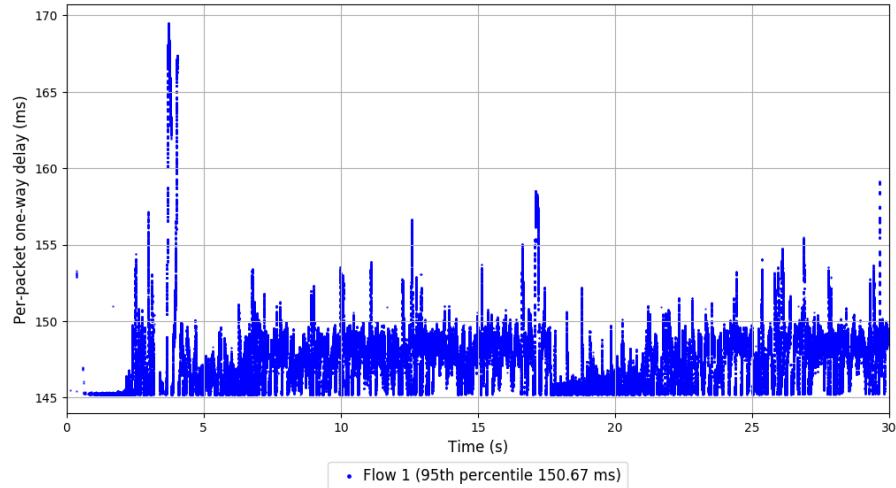
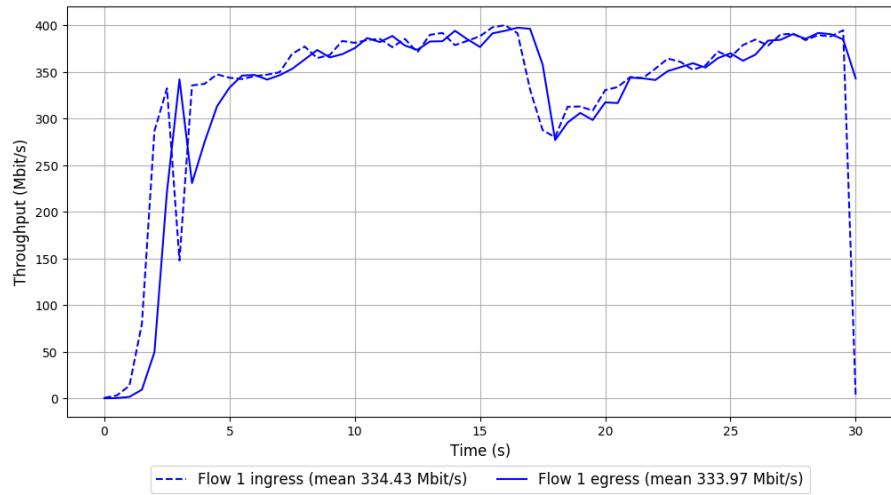


Run 2: Statistics of TCP Cubic

```
Start at: 2019-02-05 13:36:42
End at: 2019-02-05 13:37:12
Local clock offset: -2.211 ms
Remote clock offset: -45.141 ms

# Below is generated by plot.py at 2019-02-05 15:46:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 333.97 Mbit/s
95th percentile per-packet one-way delay: 150.671 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 333.97 Mbit/s
95th percentile per-packet one-way delay: 150.671 ms
Loss rate: 0.84%
```

Run 2: Report of TCP Cubic — Data Link

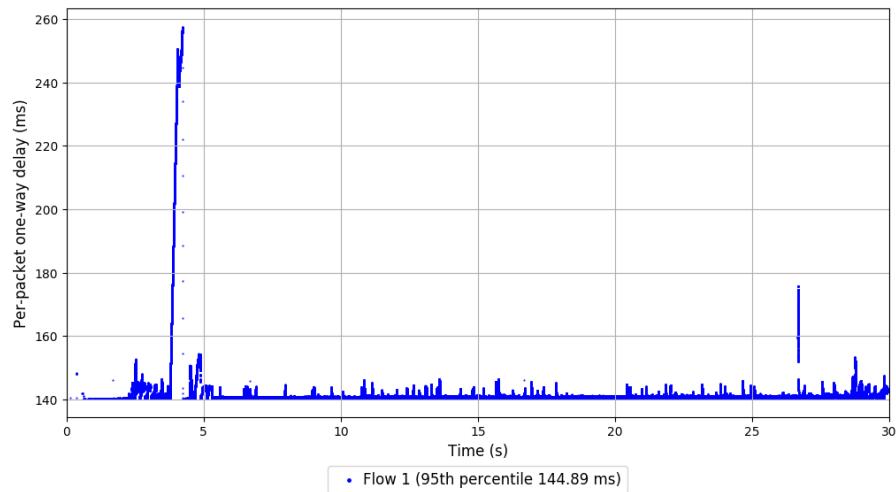
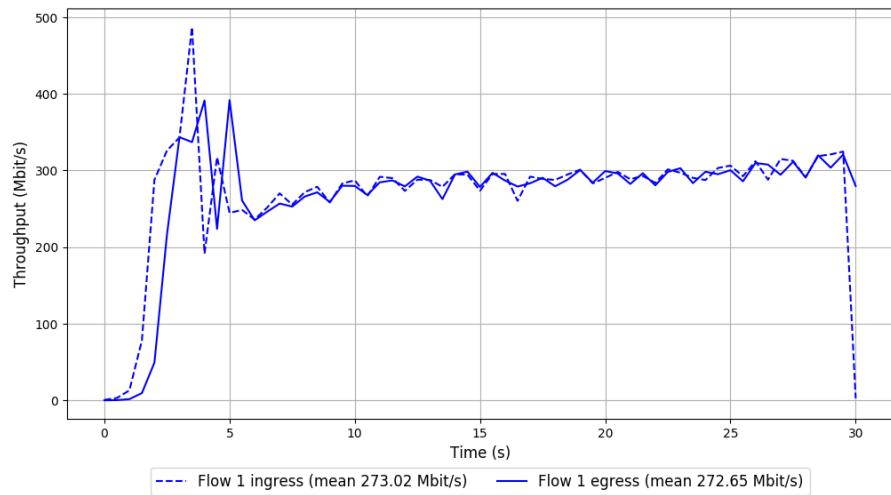


Run 3: Statistics of TCP Cubic

```
Start at: 2019-02-05 14:10:59
End at: 2019-02-05 14:11:29
Local clock offset: -1.515 ms
Remote clock offset: -36.973 ms

# Below is generated by plot.py at 2019-02-05 15:46:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 272.65 Mbit/s
95th percentile per-packet one-way delay: 144.891 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 272.65 Mbit/s
95th percentile per-packet one-way delay: 144.891 ms
Loss rate: 0.84%
```

Run 3: Report of TCP Cubic — Data Link

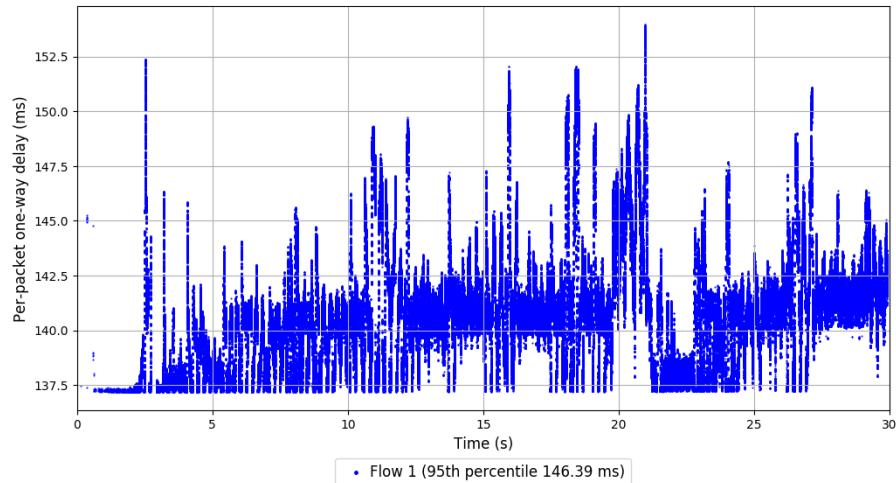
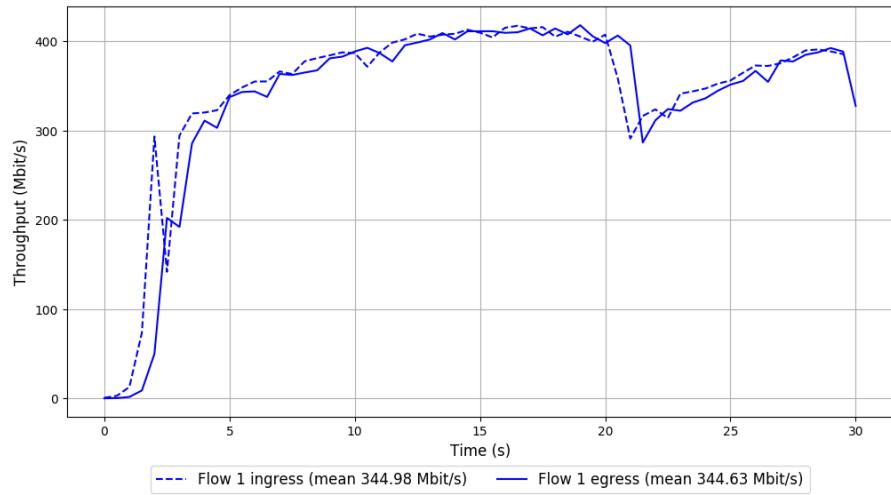


Run 4: Statistics of TCP Cubic

```
Start at: 2019-02-05 14:38:49
End at: 2019-02-05 14:39:19
Local clock offset: 1.172 ms
Remote clock offset: -32.008 ms

# Below is generated by plot.py at 2019-02-05 15:47:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 344.63 Mbit/s
95th percentile per-packet one-way delay: 146.387 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 344.63 Mbit/s
95th percentile per-packet one-way delay: 146.387 ms
Loss rate: 0.81%
```

Run 4: Report of TCP Cubic — Data Link

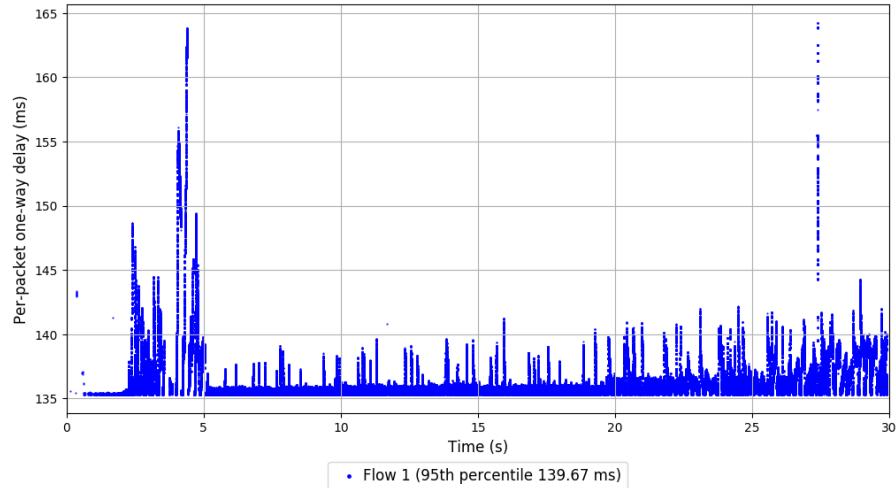
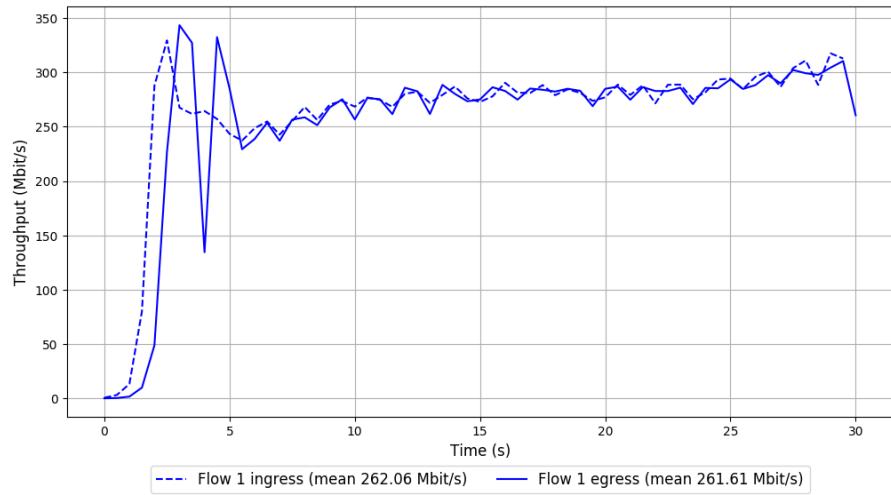


Run 5: Statistics of TCP Cubic

```
Start at: 2019-02-05 15:12:40
End at: 2019-02-05 15:13:10
Local clock offset: -1.507 ms
Remote clock offset: -29.816 ms

# Below is generated by plot.py at 2019-02-05 15:47:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 261.61 Mbit/s
95th percentile per-packet one-way delay: 139.669 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 261.61 Mbit/s
95th percentile per-packet one-way delay: 139.669 ms
Loss rate: 0.86%
```

Run 5: Report of TCP Cubic — Data Link

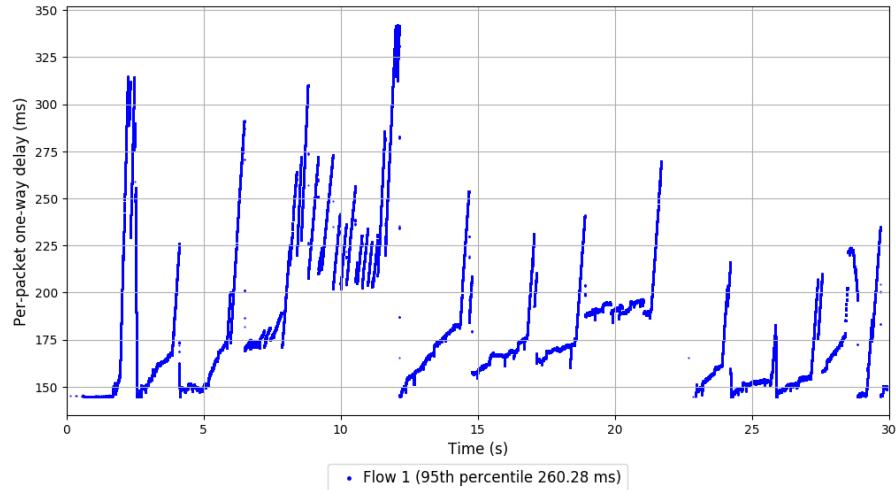
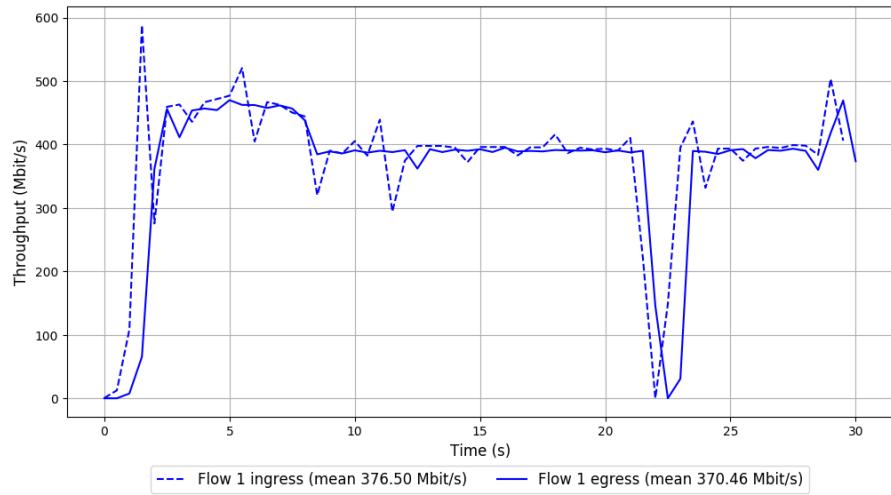


```
Run 1: Statistics of FillP

Start at: 2019-02-05 12:54:02
End at: 2019-02-05 12:54:32
Local clock offset: -1.503 ms
Remote clock offset: -46.727 ms

# Below is generated by plot.py at 2019-02-05 15:48:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 370.46 Mbit/s
95th percentile per-packet one-way delay: 260.284 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 370.46 Mbit/s
95th percentile per-packet one-way delay: 260.284 ms
Loss rate: 2.29%
```

Run 1: Report of FillP — Data Link

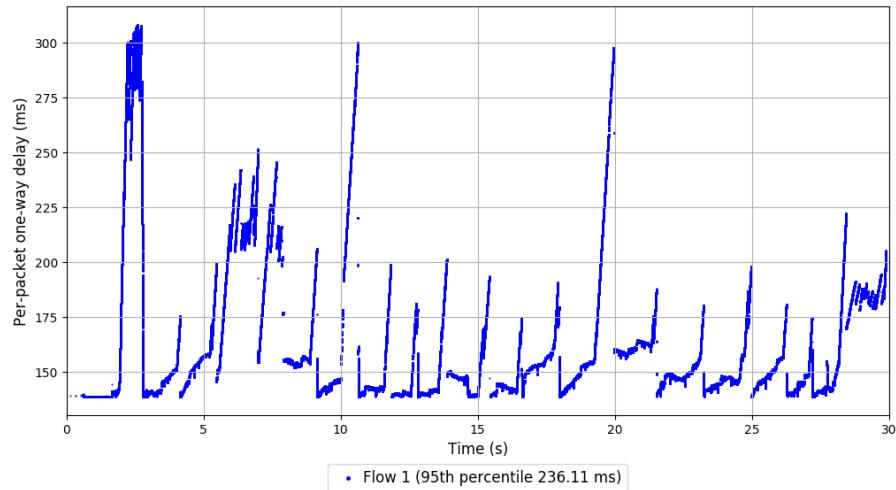
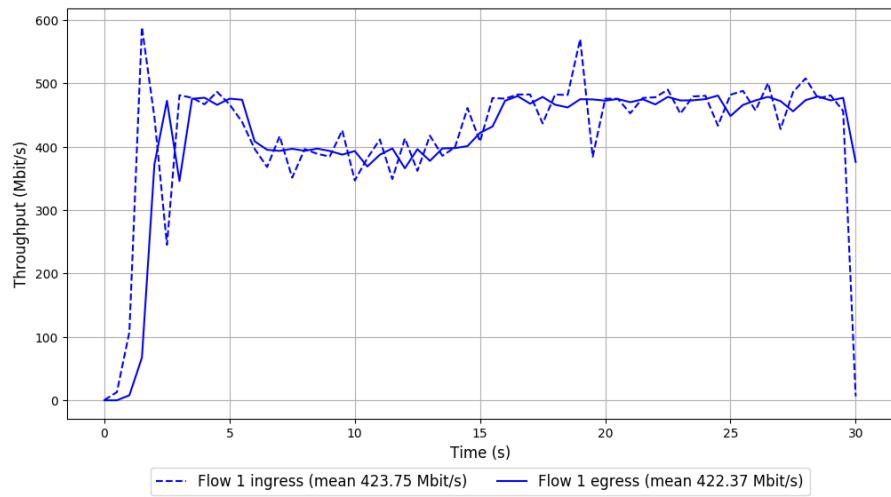


Run 2: Statistics of FillP

```
Start at: 2019-02-05 13:28:19
End at: 2019-02-05 13:28:49
Local clock offset: 0.918 ms
Remote clock offset: -34.328 ms

# Below is generated by plot.py at 2019-02-05 15:51:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 422.37 Mbit/s
95th percentile per-packet one-way delay: 236.106 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 422.37 Mbit/s
95th percentile per-packet one-way delay: 236.106 ms
Loss rate: 1.15%
```

Run 2: Report of FillP — Data Link

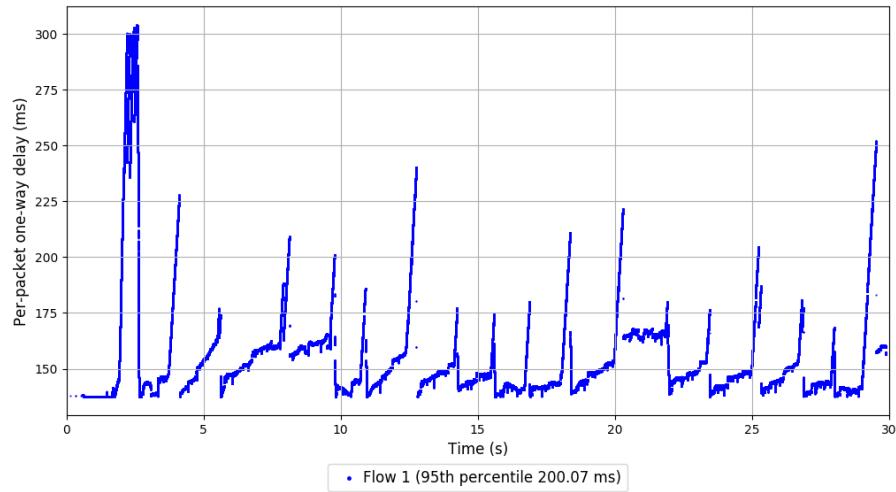
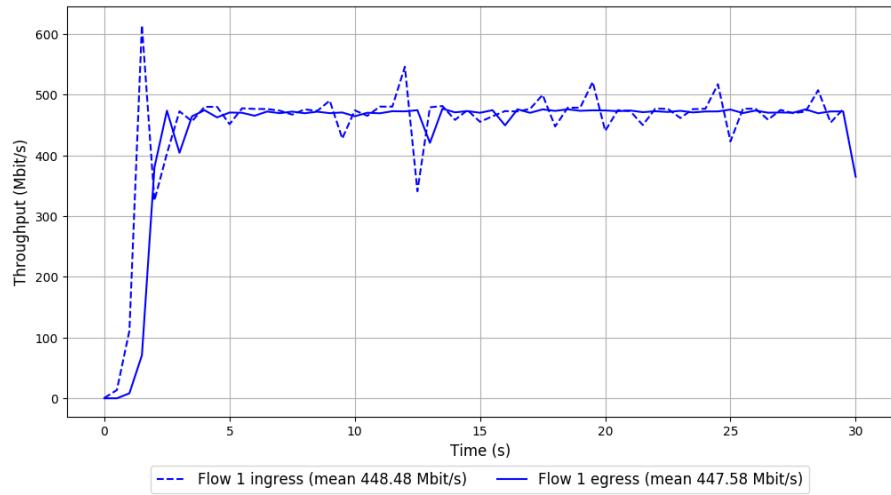


```
Run 3: Statistics of FillP
```

```
Start at: 2019-02-05 14:02:36
End at: 2019-02-05 14:03:06
Local clock offset: 2.358 ms
Remote clock offset: -32.549 ms

# Below is generated by plot.py at 2019-02-05 15:51:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 447.58 Mbit/s
95th percentile per-packet one-way delay: 200.069 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 447.58 Mbit/s
95th percentile per-packet one-way delay: 200.069 ms
Loss rate: 1.04%
```

Run 3: Report of FillP — Data Link

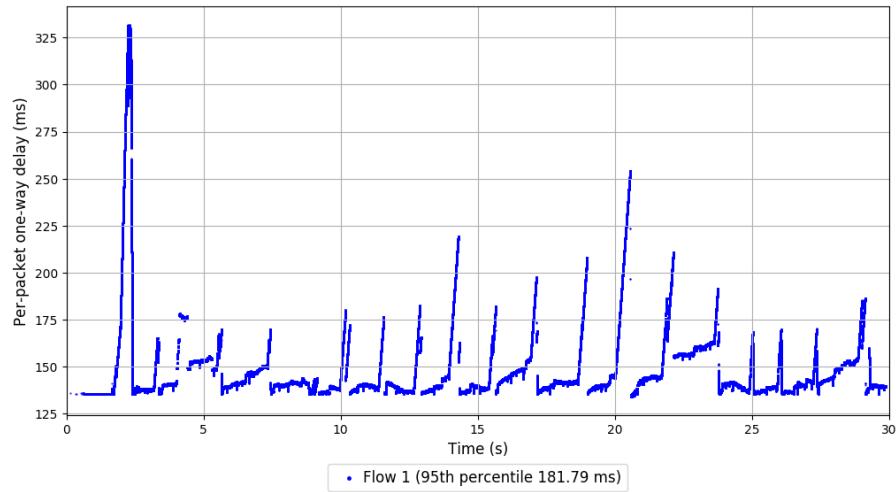
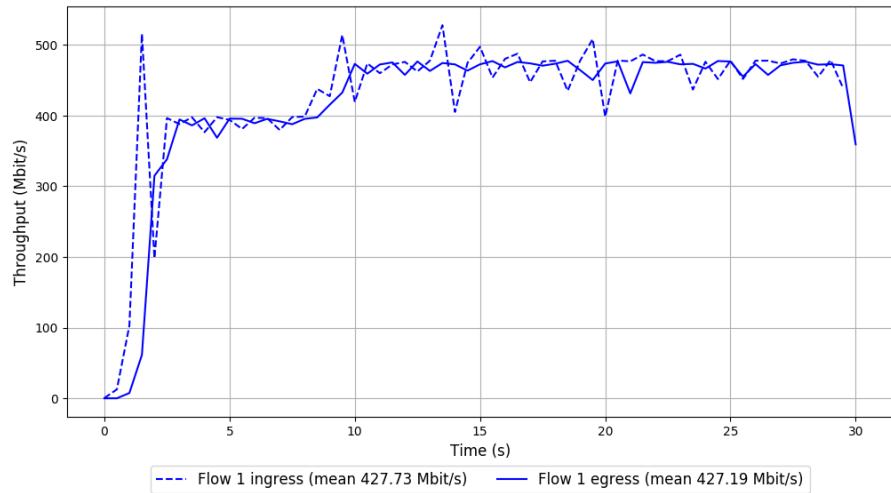


Run 4: Statistics of FillP

```
Start at: 2019-02-05 14:30:22
End at: 2019-02-05 14:30:52
Local clock offset: -1.271 ms
Remote clock offset: -31.759 ms

# Below is generated by plot.py at 2019-02-05 15:51:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 427.19 Mbit/s
95th percentile per-packet one-way delay: 181.790 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 427.19 Mbit/s
95th percentile per-packet one-way delay: 181.790 ms
Loss rate: 0.86%
```

Run 4: Report of FillP — Data Link

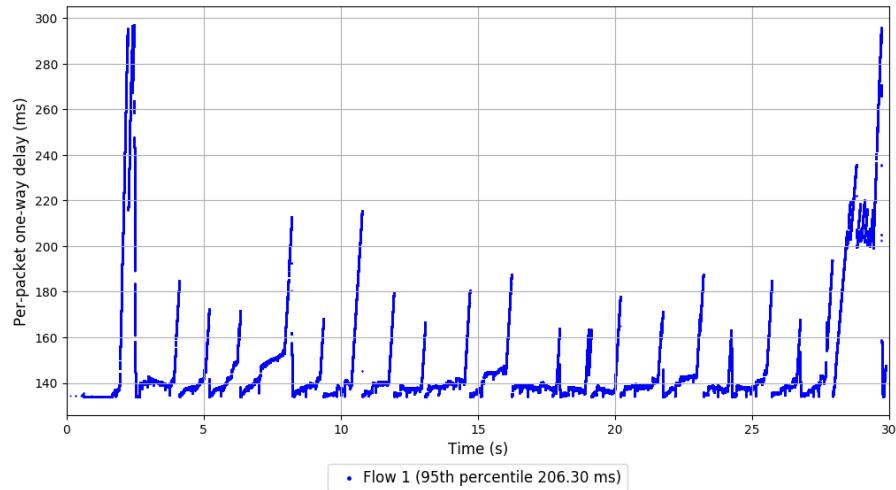
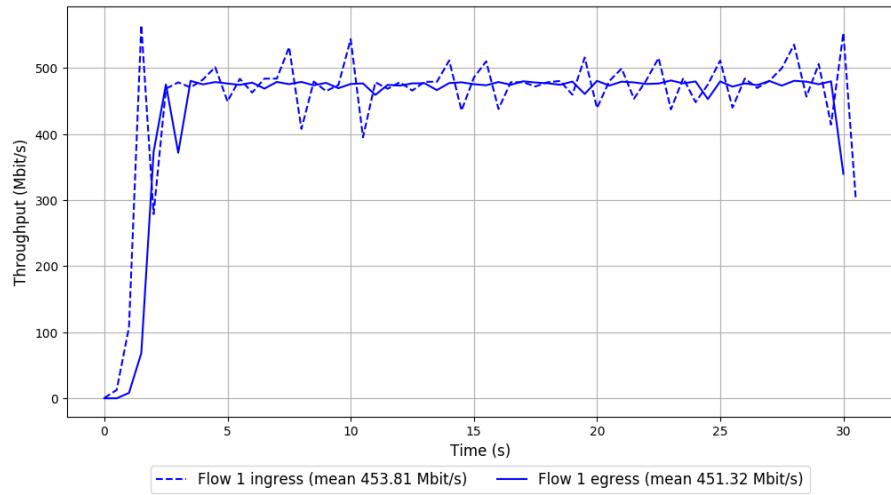


```
Run 5: Statistics of FillP
```

```
Start at: 2019-02-05 14:58:36
End at: 2019-02-05 14:59:06
Local clock offset: -0.34 ms
Remote clock offset: -27.593 ms

# Below is generated by plot.py at 2019-02-05 15:52:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 451.32 Mbit/s
95th percentile per-packet one-way delay: 206.296 ms
Loss rate: 4.12%
-- Flow 1:
Average throughput: 451.32 Mbit/s
95th percentile per-packet one-way delay: 206.296 ms
Loss rate: 4.12%
```

Run 5: Report of FillP — Data Link

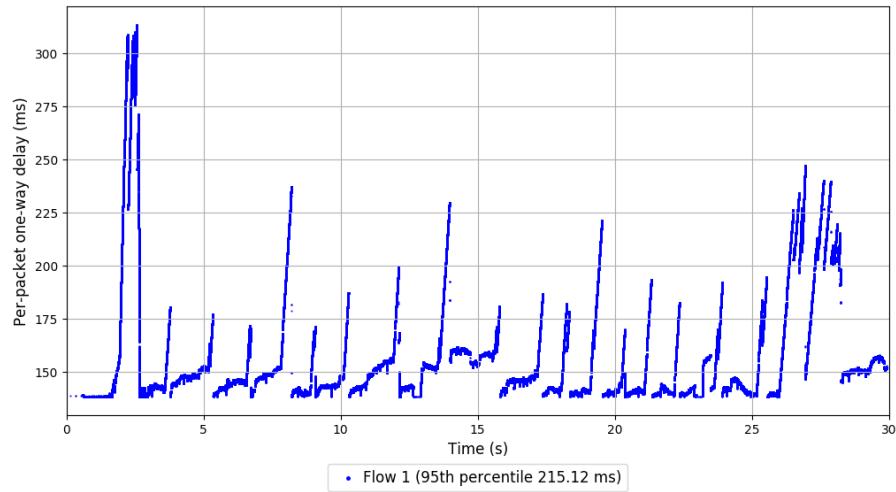
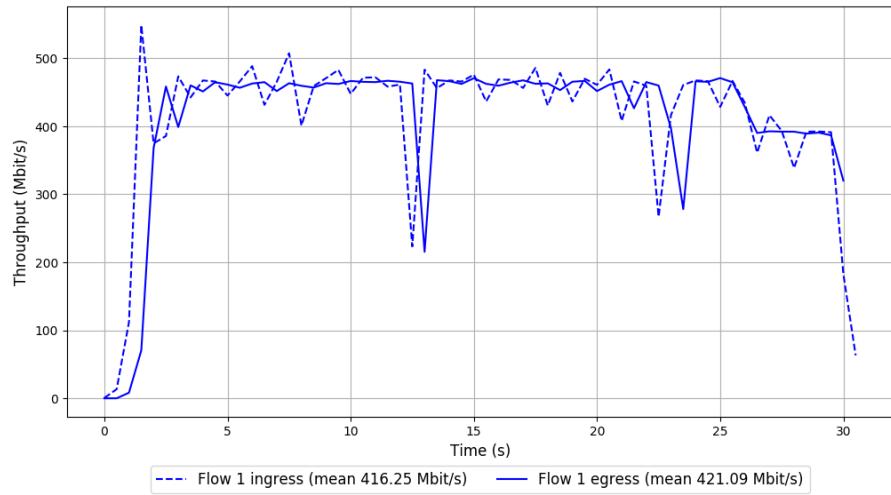


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-02-05 13:00:56
End at: 2019-02-05 13:01:26
Local clock offset: -3.568 ms
Remote clock offset: -41.845 ms

# Below is generated by plot.py at 2019-02-05 15:52:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 421.09 Mbit/s
95th percentile per-packet one-way delay: 215.117 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 421.09 Mbit/s
95th percentile per-packet one-way delay: 215.117 ms
Loss rate: 1.78%
```

Run 1: Report of FillP-Sheep — Data Link

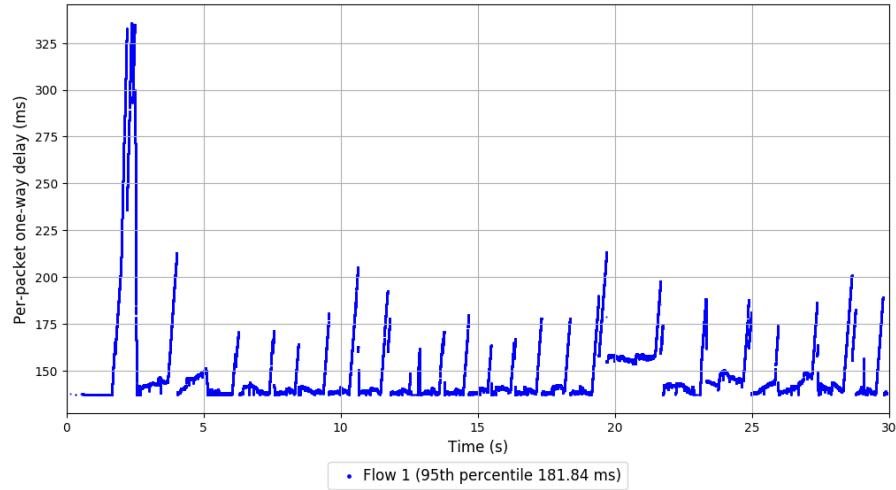
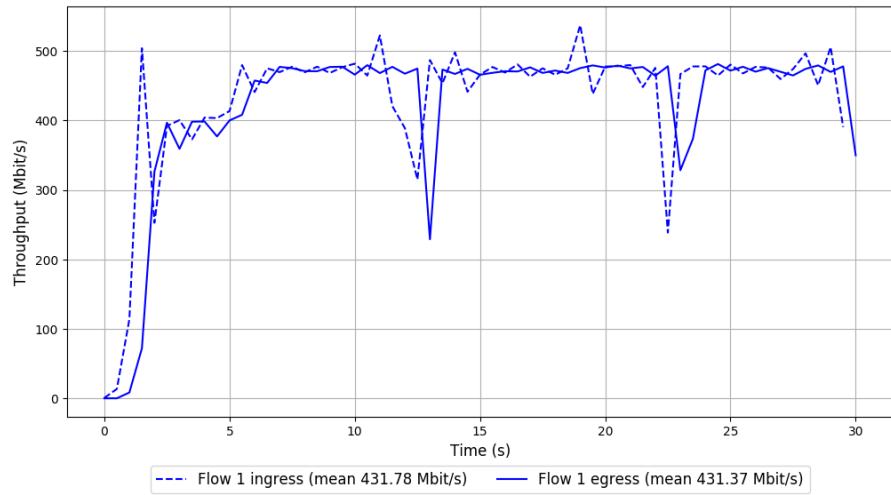


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-02-05 13:35:15
End at: 2019-02-05 13:35:45
Local clock offset: -0.299 ms
Remote clock offset: -33.594 ms

# Below is generated by plot.py at 2019-02-05 15:52:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 431.37 Mbit/s
95th percentile per-packet one-way delay: 181.841 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 431.37 Mbit/s
95th percentile per-packet one-way delay: 181.841 ms
Loss rate: 0.80%
```

Run 2: Report of FillP-Sheep — Data Link

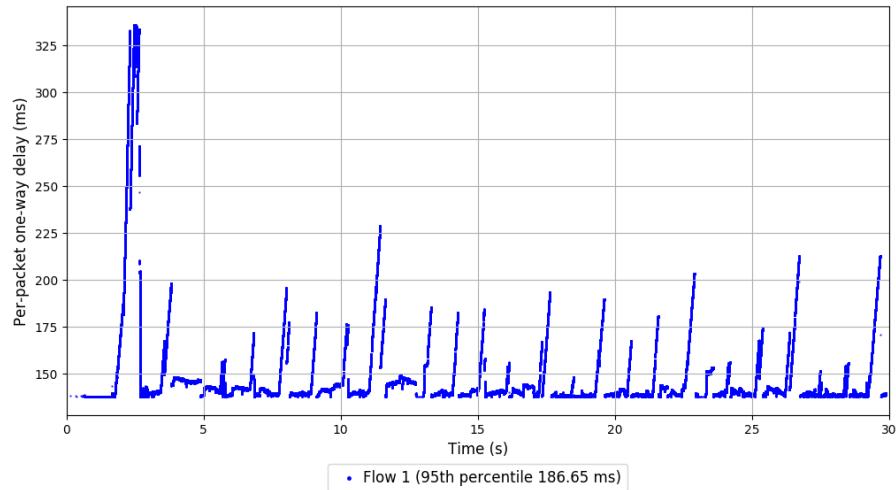
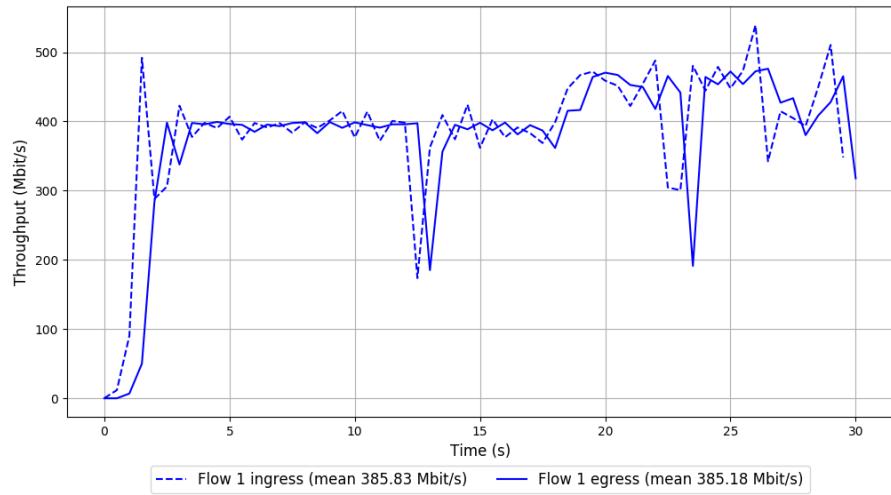


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-02-05 14:09:34
End at: 2019-02-05 14:10:04
Local clock offset: 0.286 ms
Remote clock offset: -33.058 ms

# Below is generated by plot.py at 2019-02-05 15:52:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 385.18 Mbit/s
95th percentile per-packet one-way delay: 186.646 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 385.18 Mbit/s
95th percentile per-packet one-way delay: 186.646 ms
Loss rate: 0.87%
```

Run 3: Report of FillP-Sheep — Data Link

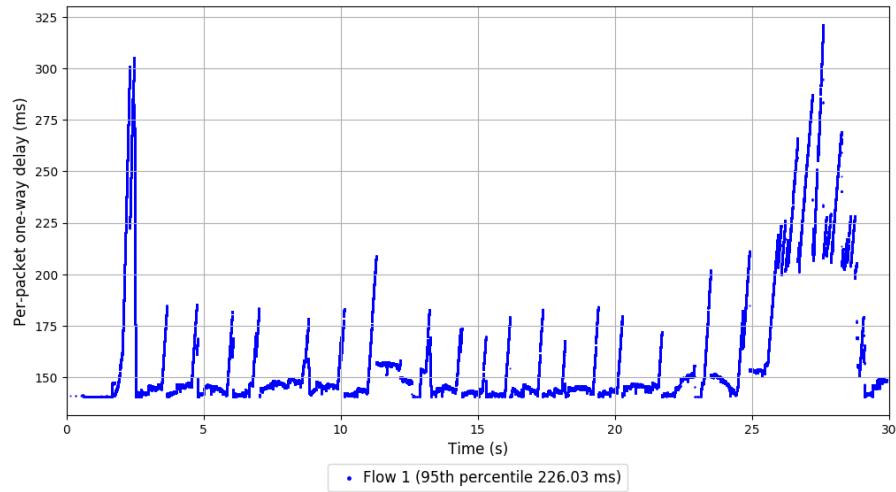
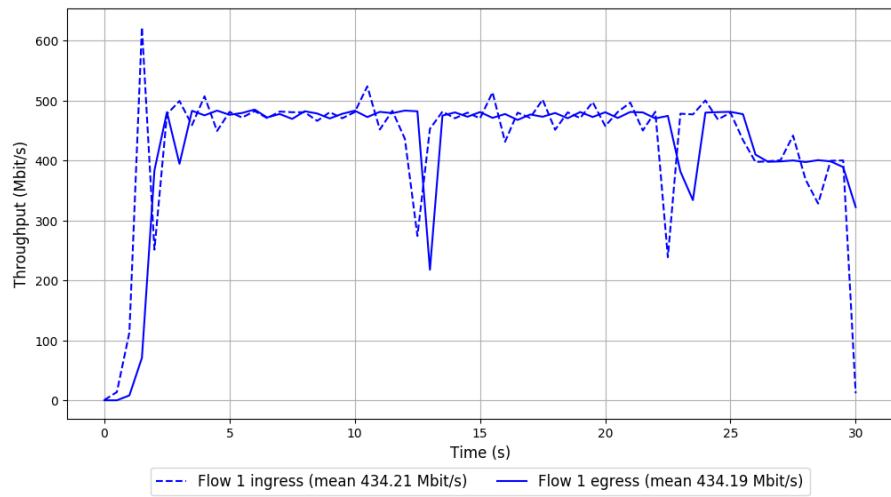


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-02-05 14:37:20
End at: 2019-02-05 14:37:50
Local clock offset: 2.364 ms
Remote clock offset: -34.451 ms

# Below is generated by plot.py at 2019-02-05 15:54:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 434.19 Mbit/s
95th percentile per-packet one-way delay: 226.034 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 434.19 Mbit/s
95th percentile per-packet one-way delay: 226.034 ms
Loss rate: 0.84%
```

Run 4: Report of FillP-Sheep — Data Link

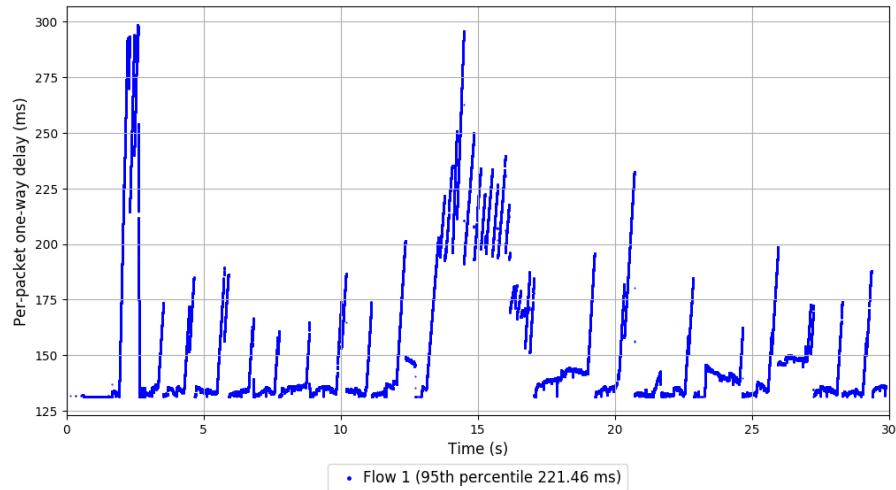
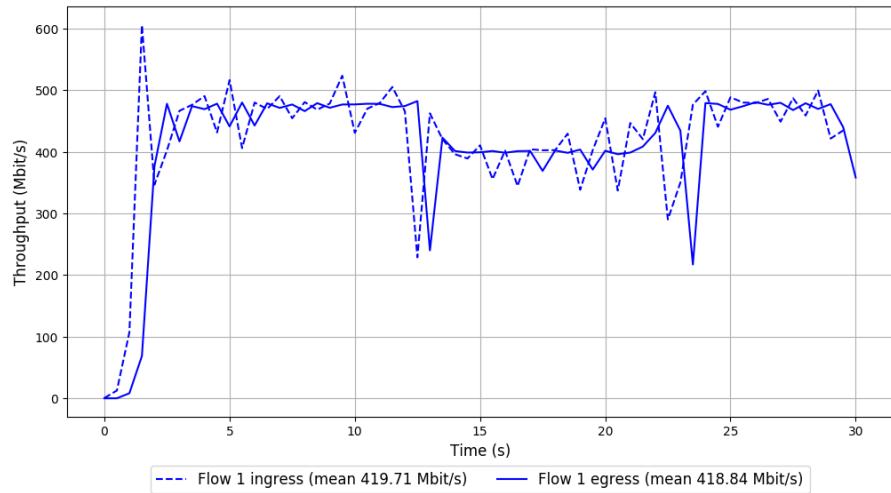


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-02-05 15:11:13
End at: 2019-02-05 15:11:43
Local clock offset: -0.934 ms
Remote clock offset: -26.798 ms

# Below is generated by plot.py at 2019-02-05 15:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 418.84 Mbit/s
95th percentile per-packet one-way delay: 221.460 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 418.84 Mbit/s
95th percentile per-packet one-way delay: 221.460 ms
Loss rate: 0.91%
```

Run 5: Report of FillP-Sheep — Data Link

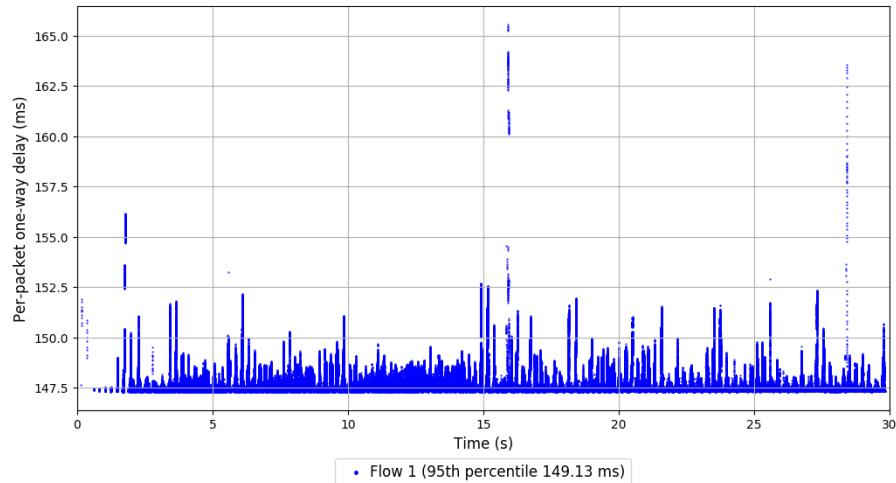
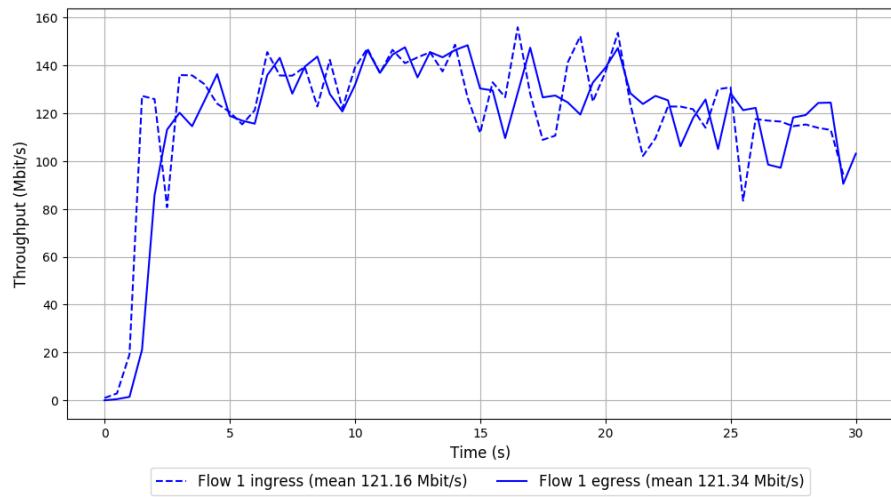


Run 1: Statistics of Indigo

```
Start at: 2019-02-05 12:58:14
End at: 2019-02-05 12:58:44
Local clock offset: 0.65 ms
Remote clock offset: -46.841 ms

# Below is generated by plot.py at 2019-02-05 15:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 121.34 Mbit/s
95th percentile per-packet one-way delay: 149.133 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 121.34 Mbit/s
95th percentile per-packet one-way delay: 149.133 ms
Loss rate: 0.55%
```

Run 1: Report of Indigo — Data Link

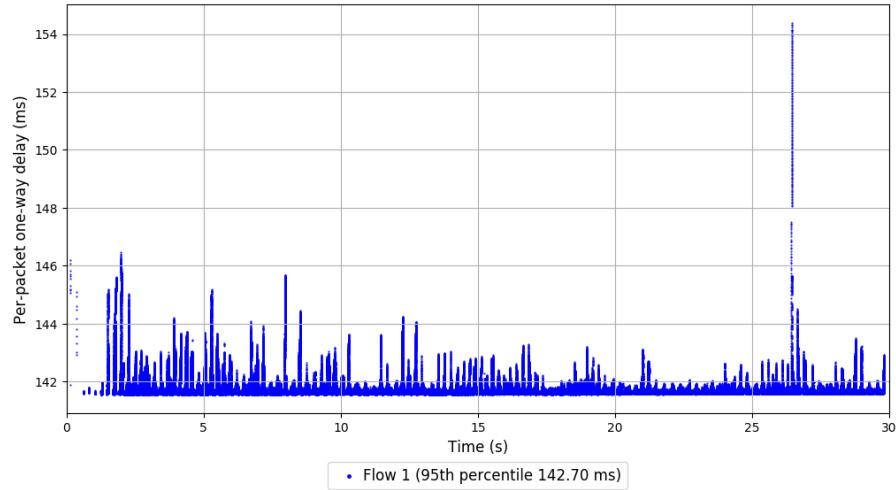
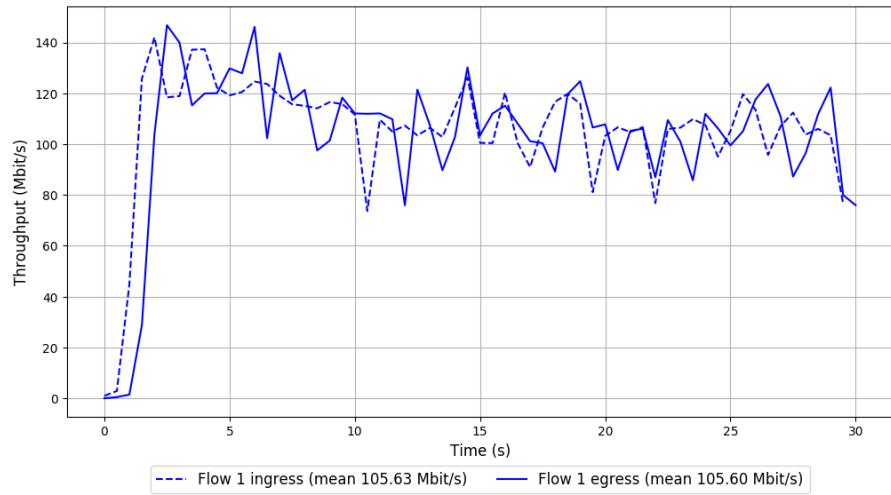


Run 2: Statistics of Indigo

```
Start at: 2019-02-05 13:32:37
End at: 2019-02-05 13:33:07
Local clock offset: 2.639 ms
Remote clock offset: -35.547 ms

# Below is generated by plot.py at 2019-02-05 15:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.60 Mbit/s
95th percentile per-packet one-way delay: 142.697 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 105.60 Mbit/s
95th percentile per-packet one-way delay: 142.697 ms
Loss rate: 0.72%
```

Run 2: Report of Indigo — Data Link

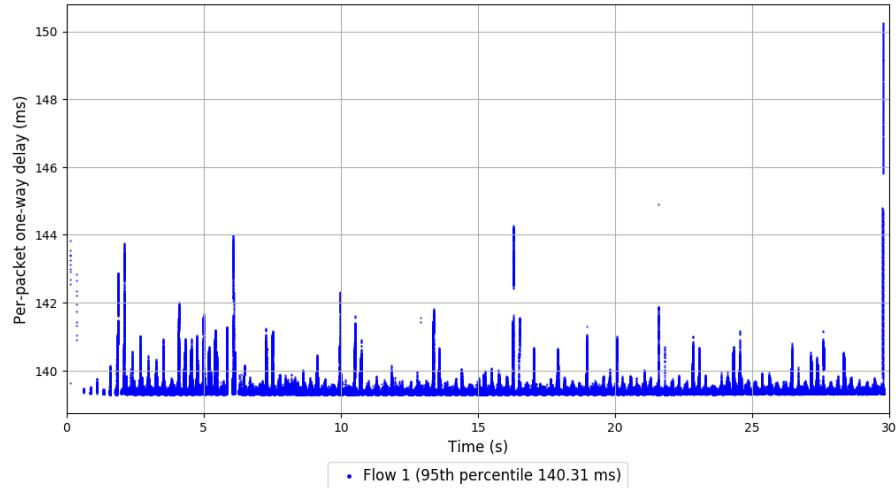
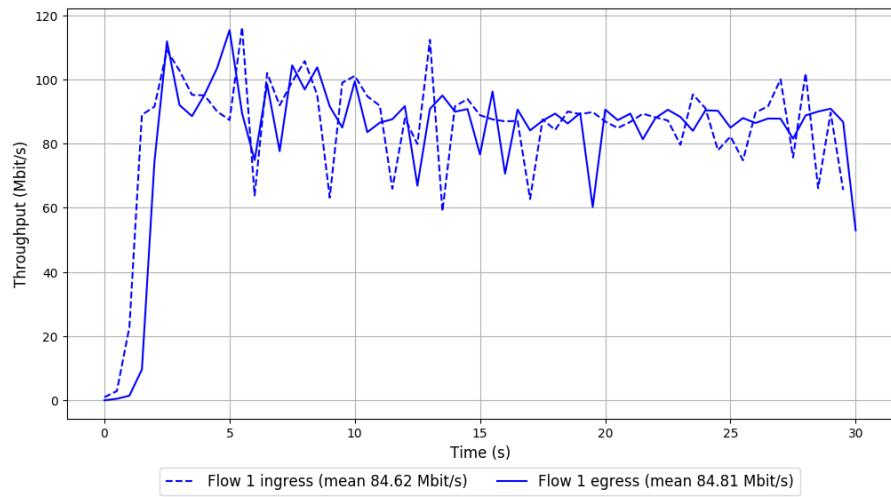


Run 3: Statistics of Indigo

```
Start at: 2019-02-05 14:06:54
End at: 2019-02-05 14:07:24
Local clock offset: 0.784 ms
Remote clock offset: -33.86 ms

# Below is generated by plot.py at 2019-02-05 15:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.81 Mbit/s
95th percentile per-packet one-way delay: 140.311 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 84.81 Mbit/s
95th percentile per-packet one-way delay: 140.311 ms
Loss rate: 0.52%
```

Run 3: Report of Indigo — Data Link

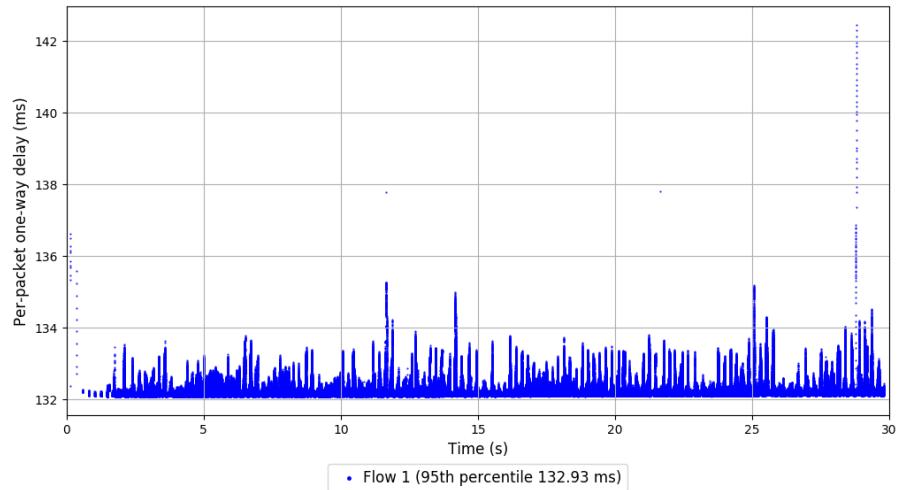
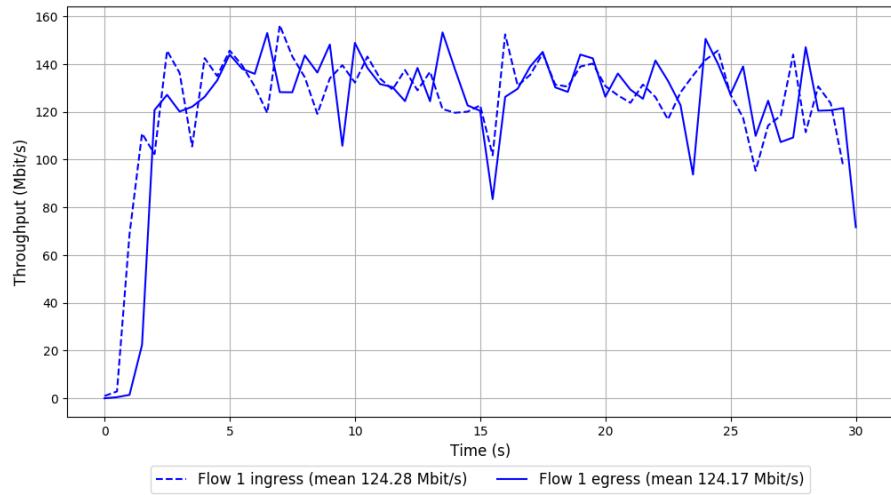


Run 4: Statistics of Indigo

```
Start at: 2019-02-05 14:34:40
End at: 2019-02-05 14:35:10
Local clock offset: 1.77 ms
Remote clock offset: -25.174 ms

# Below is generated by plot.py at 2019-02-05 15:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 124.17 Mbit/s
95th percentile per-packet one-way delay: 132.930 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 124.17 Mbit/s
95th percentile per-packet one-way delay: 132.930 ms
Loss rate: 0.78%
```

Run 4: Report of Indigo — Data Link

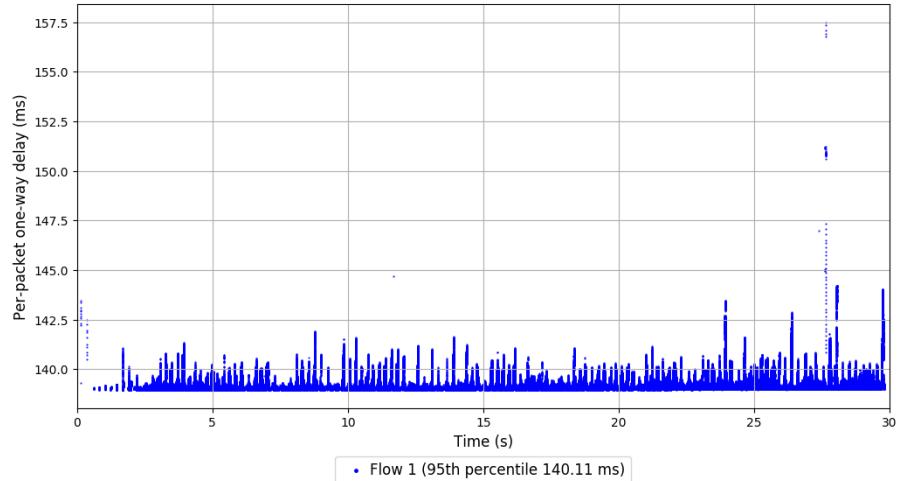
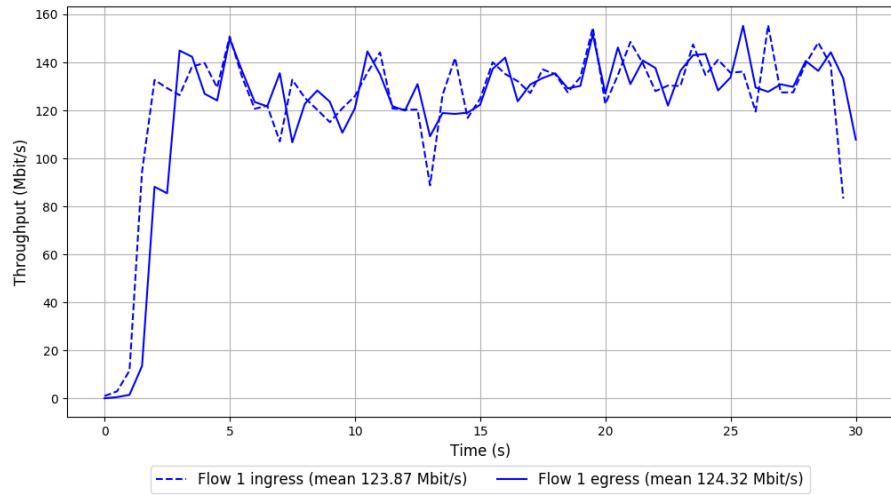


Run 5: Statistics of Indigo

```
Start at: 2019-02-05 15:02:53
End at: 2019-02-05 15:03:23
Local clock offset: 0.795 ms
Remote clock offset: -32.879 ms

# Below is generated by plot.py at 2019-02-05 15:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 124.32 Mbit/s
95th percentile per-packet one-way delay: 140.113 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 124.32 Mbit/s
95th percentile per-packet one-way delay: 140.113 ms
Loss rate: 0.34%
```

Run 5: Report of Indigo — Data Link

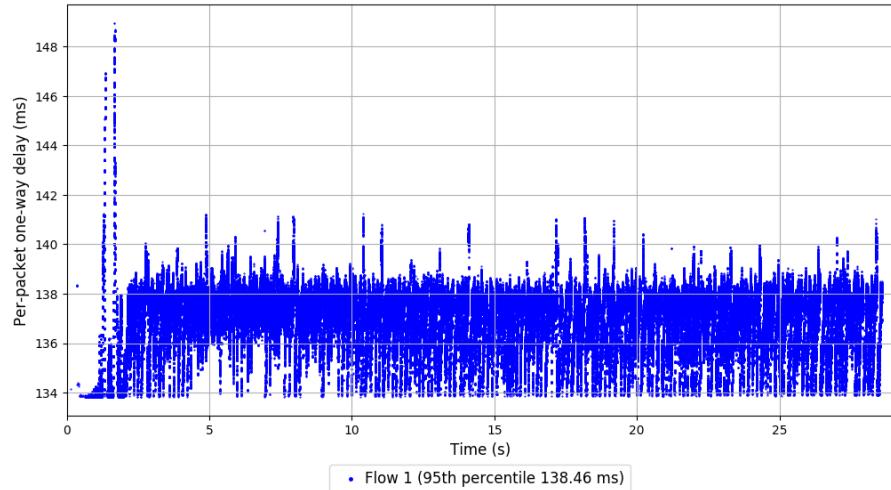
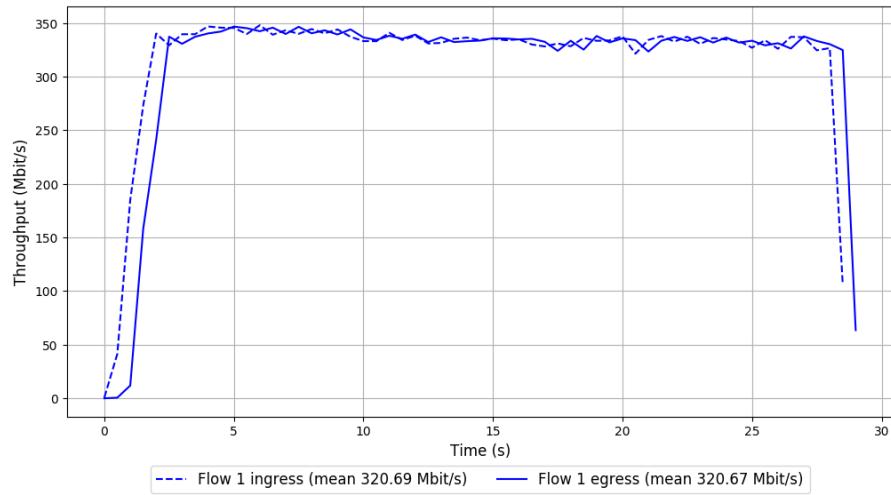


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-02-05 13:15:25
End at: 2019-02-05 13:15:55
Local clock offset: -1.44 ms
Remote clock offset: -32.945 ms

# Below is generated by plot.py at 2019-02-05 15:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 320.67 Mbit/s
95th percentile per-packet one-way delay: 138.457 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 320.67 Mbit/s
95th percentile per-packet one-way delay: 138.457 ms
Loss rate: 0.74%
```

Run 1: Report of Indigo-MusesC3 — Data Link

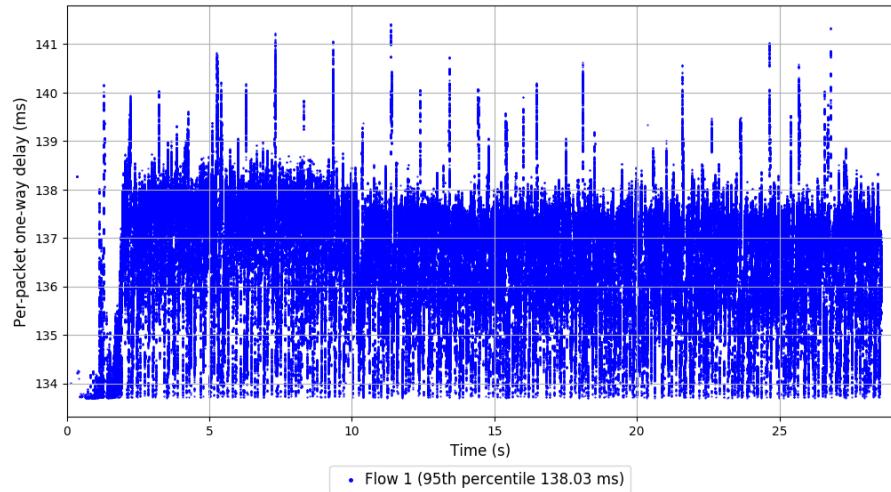
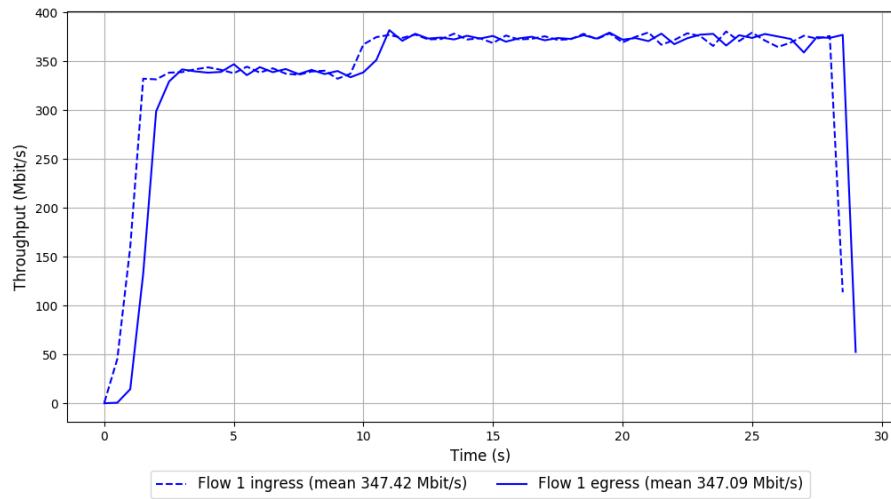


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-02-05 13:49:50
End at: 2019-02-05 13:50:20
Local clock offset: 0.243 ms
Remote clock offset: -29.516 ms

# Below is generated by plot.py at 2019-02-05 15:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 347.09 Mbit/s
95th percentile per-packet one-way delay: 138.032 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 347.09 Mbit/s
95th percentile per-packet one-way delay: 138.032 ms
Loss rate: 0.81%
```

Run 2: Report of Indigo-MusesC3 — Data Link

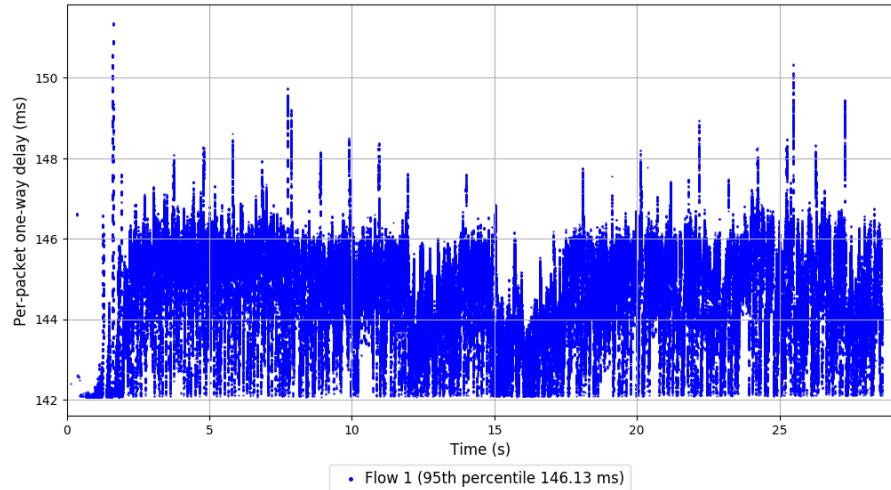
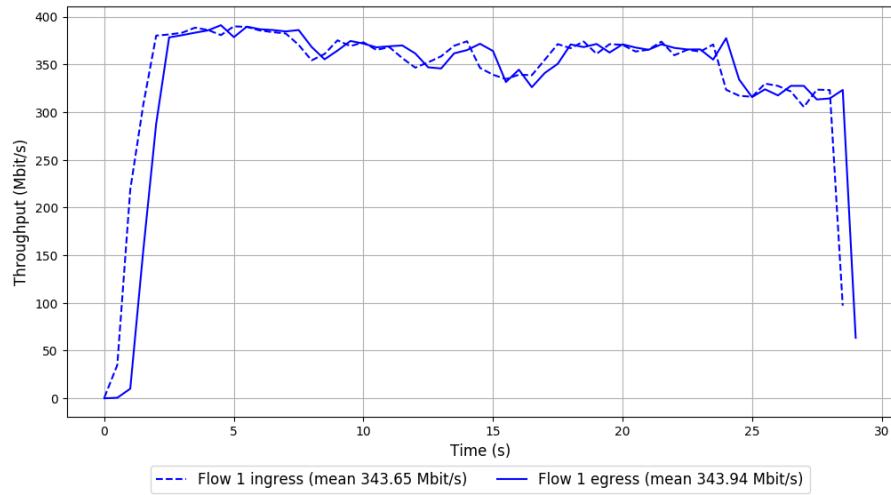


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-02-05 14:23:50
End at: 2019-02-05 14:24:20
Local clock offset: 1.199 ms
Remote clock offset: -35.786 ms

# Below is generated by plot.py at 2019-02-05 15:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 343.94 Mbit/s
95th percentile per-packet one-way delay: 146.132 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 343.94 Mbit/s
95th percentile per-packet one-way delay: 146.132 ms
Loss rate: 0.64%
```

Run 3: Report of Indigo-MusesC3 — Data Link

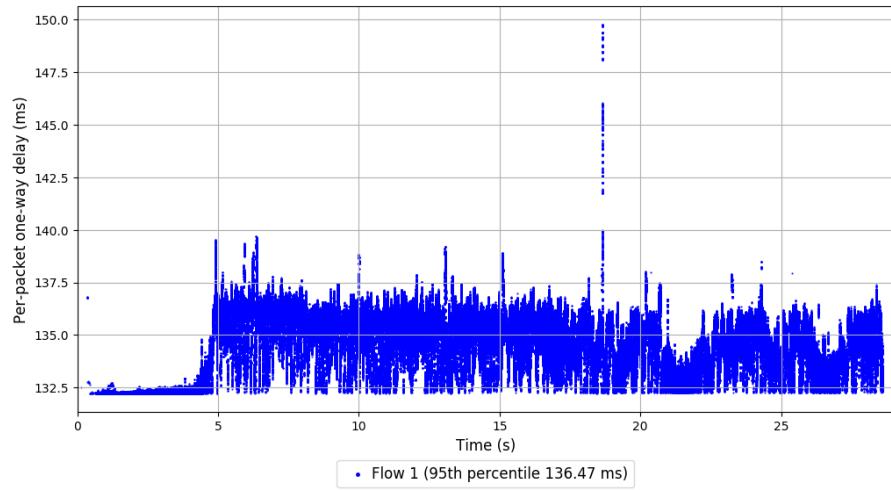
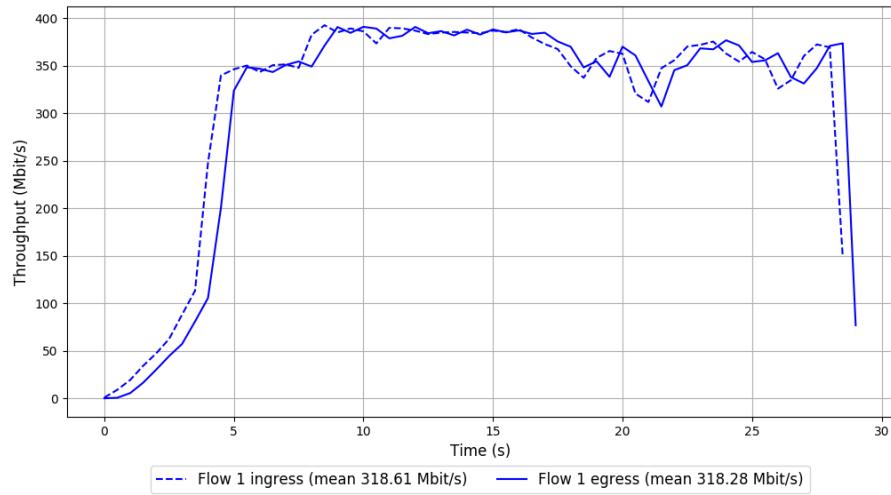


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-02-05 14:51:42
End at: 2019-02-05 14:52:12
Local clock offset: -1.088 ms
Remote clock offset: -26.99 ms

# Below is generated by plot.py at 2019-02-05 15:56:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 318.28 Mbit/s
95th percentile per-packet one-way delay: 136.469 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 318.28 Mbit/s
95th percentile per-packet one-way delay: 136.469 ms
Loss rate: 0.93%
```

Run 4: Report of Indigo-MusesC3 — Data Link

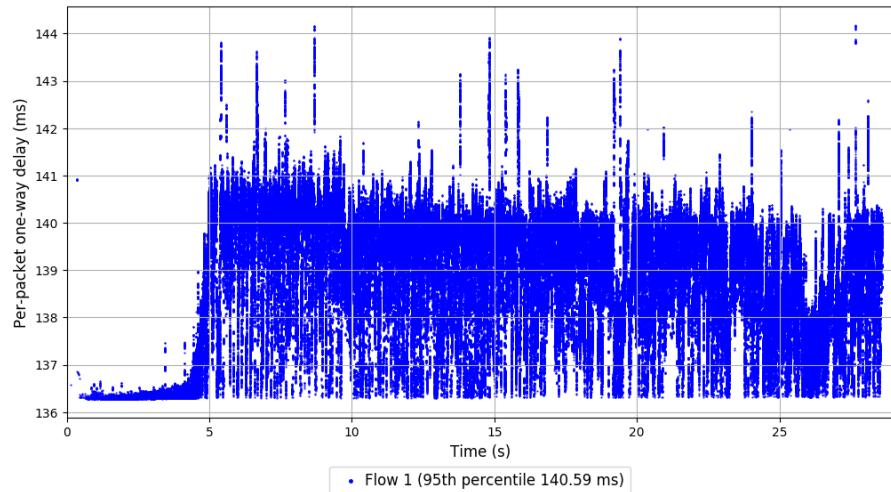
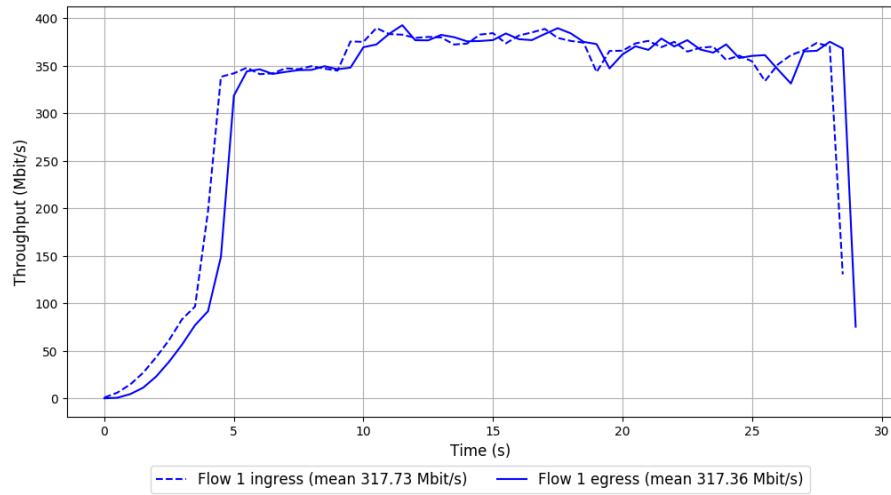


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-02-05 15:31:18
End at: 2019-02-05 15:31:48
Local clock offset: 2.441 ms
Remote clock offset: -25.548 ms

# Below is generated by plot.py at 2019-02-05 15:56:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 317.36 Mbit/s
95th percentile per-packet one-way delay: 140.592 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 317.36 Mbit/s
95th percentile per-packet one-way delay: 140.592 ms
Loss rate: 0.85%
```

Run 5: Report of Indigo-MusesC3 — Data Link

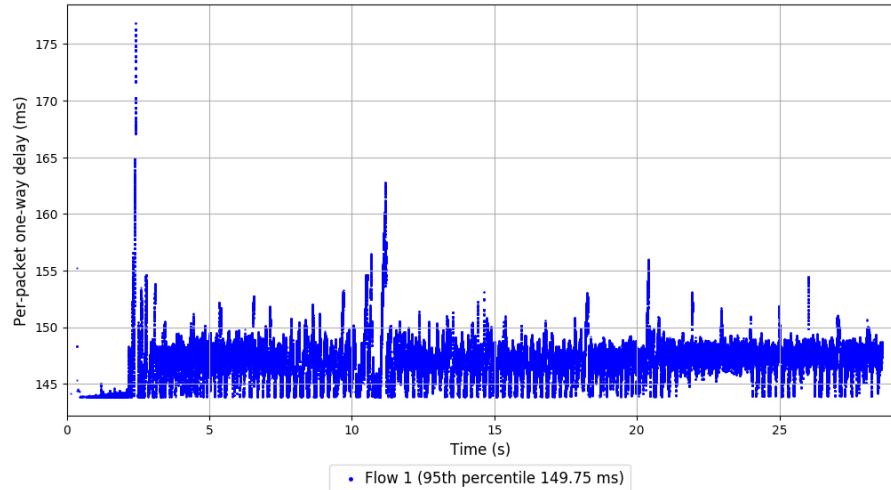
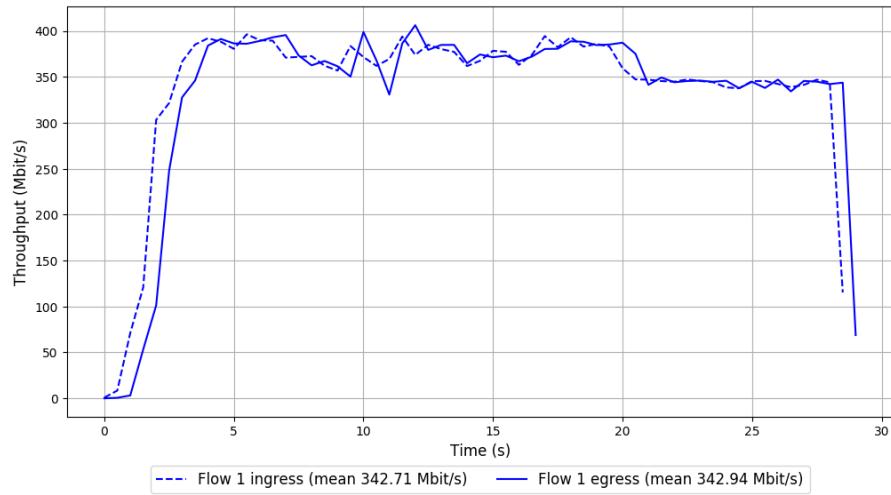


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-02-05 12:56:48
End at: 2019-02-05 12:57:18
Local clock offset: -0.014 ms
Remote clock offset: -42.758 ms

# Below is generated by plot.py at 2019-02-05 15:57:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 342.94 Mbit/s
95th percentile per-packet one-way delay: 149.750 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 342.94 Mbit/s
95th percentile per-packet one-way delay: 149.750 ms
Loss rate: 0.76%
```

Run 1: Report of Indigo-MusesC5 — Data Link

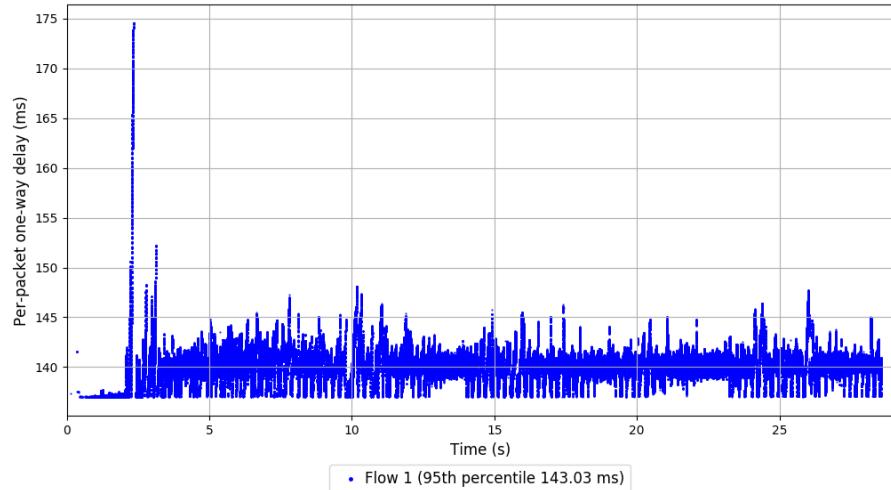
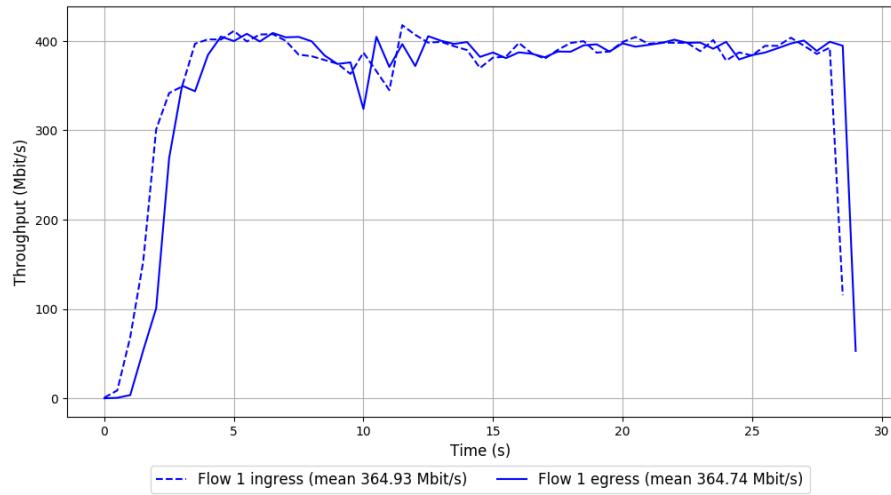


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-02-05 13:31:11
End at: 2019-02-05 13:31:41
Local clock offset: 0.238 ms
Remote clock offset: -33.569 ms

# Below is generated by plot.py at 2019-02-05 15:58:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 364.74 Mbit/s
95th percentile per-packet one-way delay: 143.026 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 364.74 Mbit/s
95th percentile per-packet one-way delay: 143.026 ms
Loss rate: 0.79%
```

Run 2: Report of Indigo-MusesC5 — Data Link

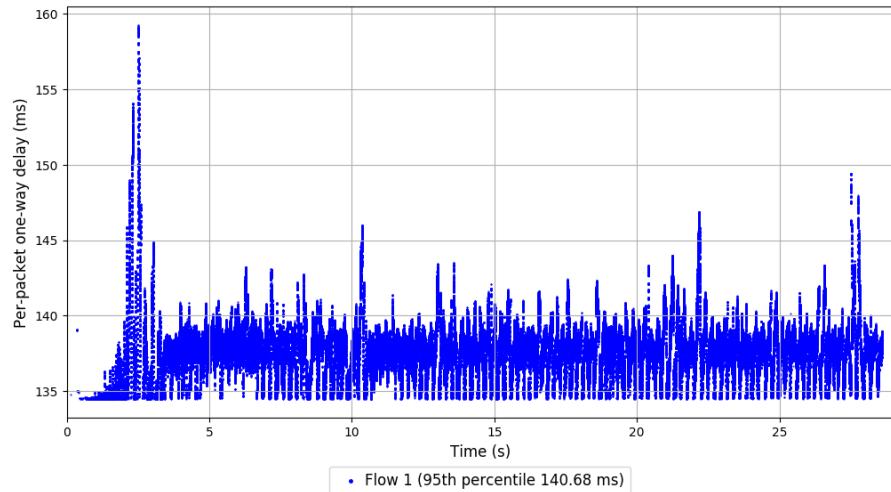
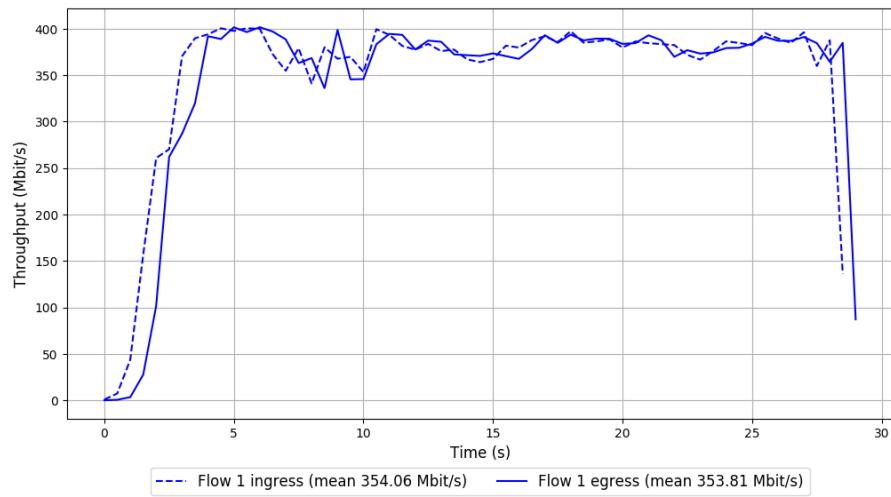


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-02-05 14:05:28
End at: 2019-02-05 14:05:58
Local clock offset: -1.421 ms
Remote clock offset: -33.064 ms

# Below is generated by plot.py at 2019-02-05 15:59:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 353.81 Mbit/s
95th percentile per-packet one-way delay: 140.684 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 353.81 Mbit/s
95th percentile per-packet one-way delay: 140.684 ms
Loss rate: 0.81%
```

Run 3: Report of Indigo-MusesC5 — Data Link

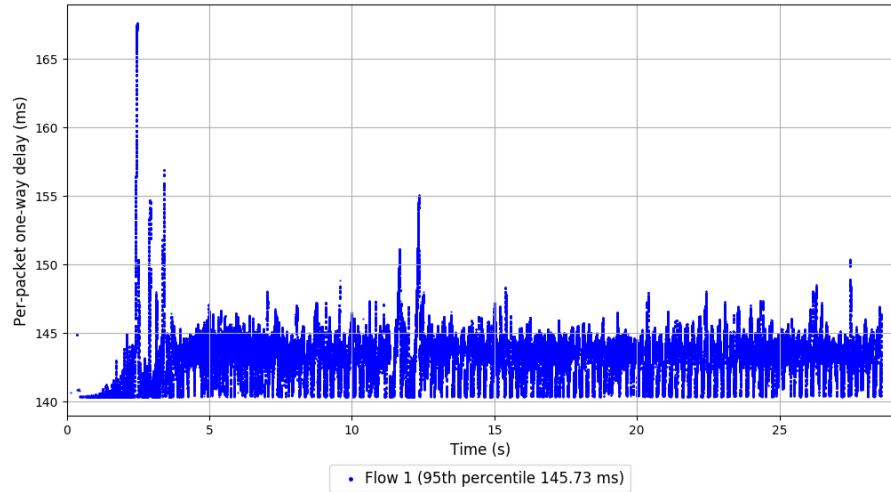
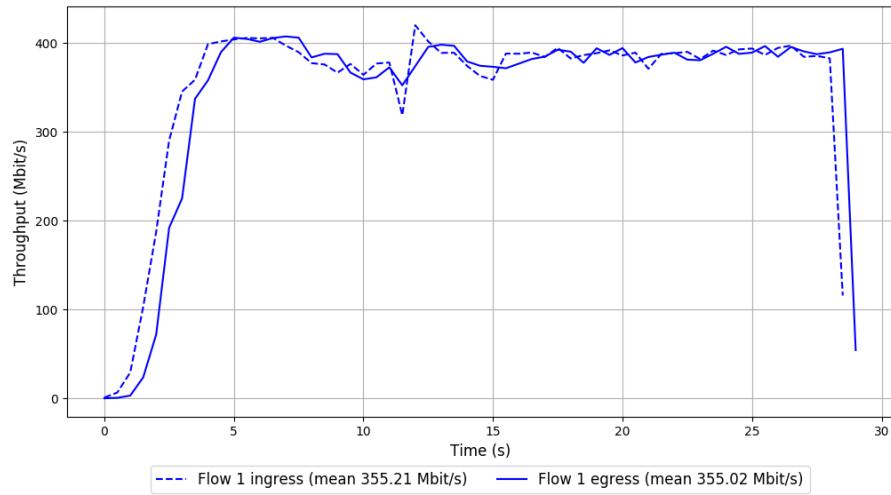


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-02-05 14:33:14
End at: 2019-02-05 14:33:44
Local clock offset: -1.692 ms
Remote clock offset: -36.911 ms

# Below is generated by plot.py at 2019-02-05 15:59:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 355.02 Mbit/s
95th percentile per-packet one-way delay: 145.729 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 355.02 Mbit/s
95th percentile per-packet one-way delay: 145.729 ms
Loss rate: 0.79%
```

Run 4: Report of Indigo-MusesC5 — Data Link

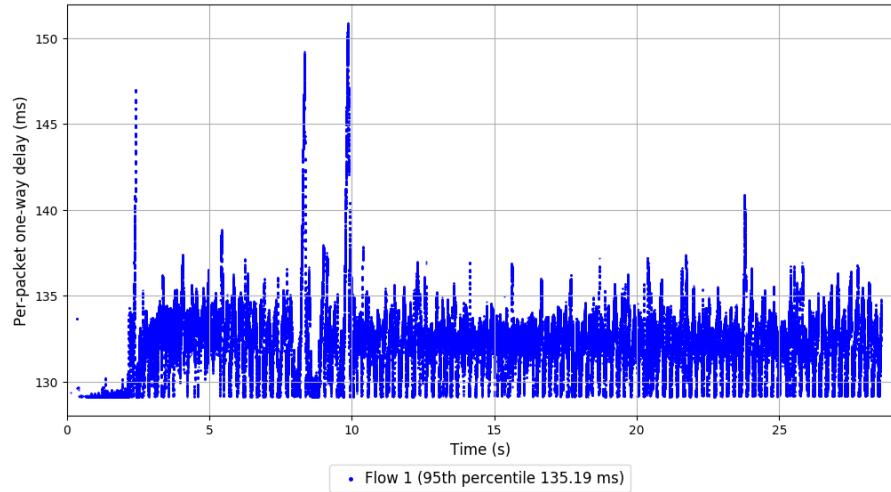
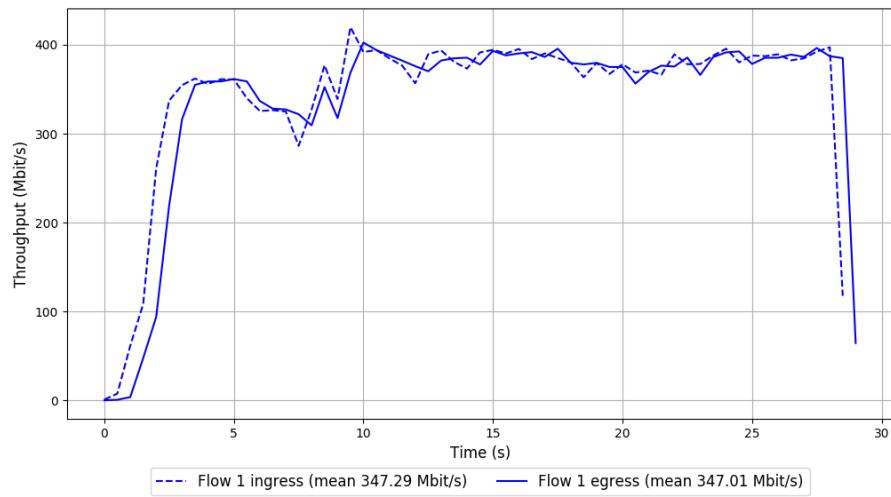


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-02-05 15:01:27
End at: 2019-02-05 15:01:57
Local clock offset: -1.724 ms
Remote clock offset: -23.896 ms

# Below is generated by plot.py at 2019-02-05 15:59:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 347.01 Mbit/s
95th percentile per-packet one-way delay: 135.188 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 347.01 Mbit/s
95th percentile per-packet one-way delay: 135.188 ms
Loss rate: 0.82%
```

Run 5: Report of Indigo-MusesC5 — Data Link

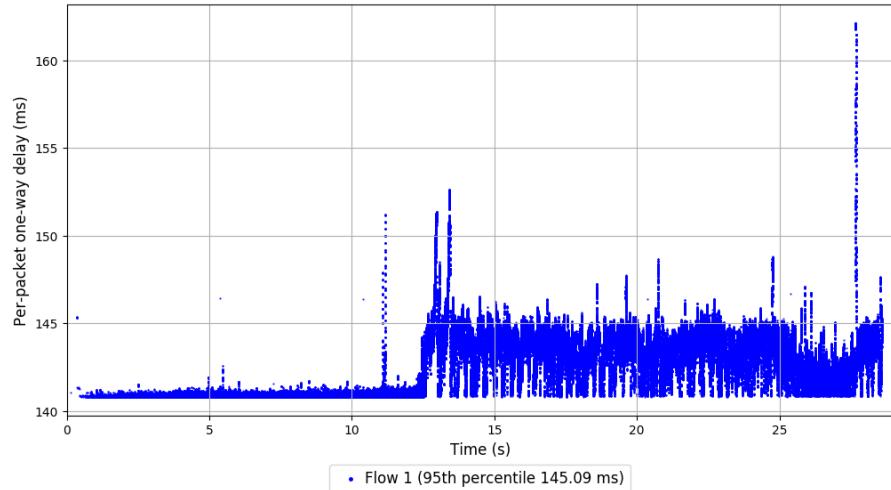
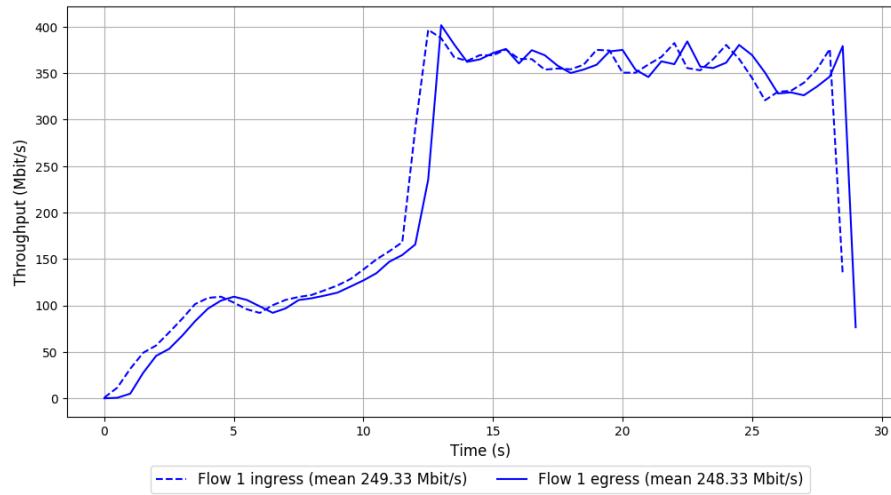


Run 1: Statistics of Indigo-MusesD

```
Start at: 2019-02-05 13:10:17
End at: 2019-02-05 13:10:47
Local clock offset: 1.873 ms
Remote clock offset: -38.551 ms

# Below is generated by plot.py at 2019-02-05 15:59:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 248.33 Mbit/s
95th percentile per-packet one-way delay: 145.091 ms
Loss rate: 1.13%
-- Flow 1:
Average throughput: 248.33 Mbit/s
95th percentile per-packet one-way delay: 145.091 ms
Loss rate: 1.13%
```

Run 1: Report of Indigo-MusesD — Data Link

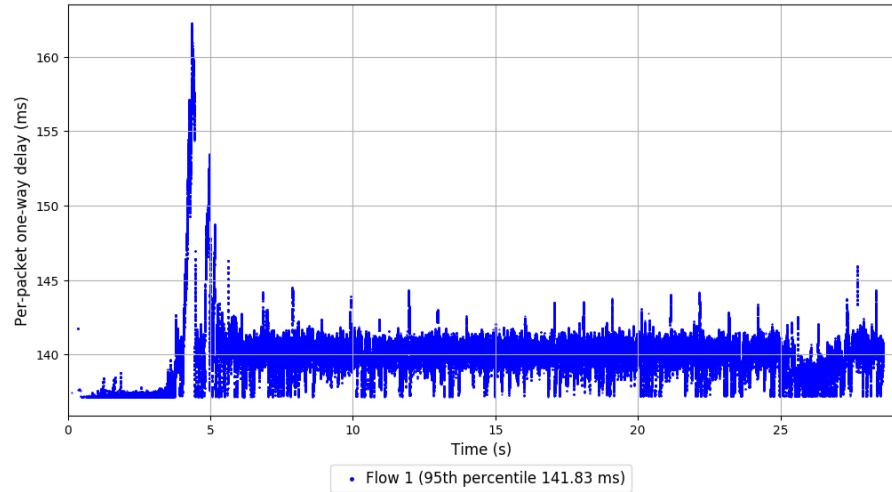
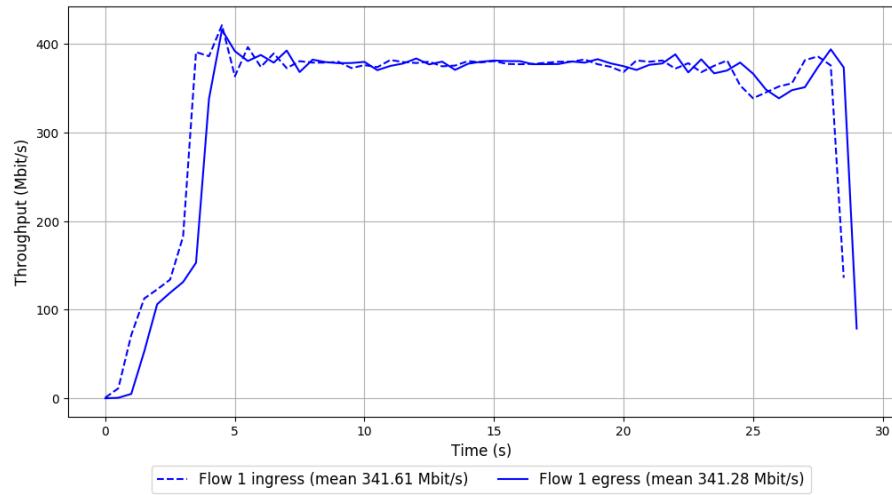


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-02-05 13:44:40
End at: 2019-02-05 13:45:10
Local clock offset: -0.903 ms
Remote clock offset: -34.058 ms

# Below is generated by plot.py at 2019-02-05 16:00:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 341.28 Mbit/s
95th percentile per-packet one-way delay: 141.831 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 341.28 Mbit/s
95th percentile per-packet one-way delay: 141.831 ms
Loss rate: 0.83%
```

Run 2: Report of Indigo-MusesD — Data Link

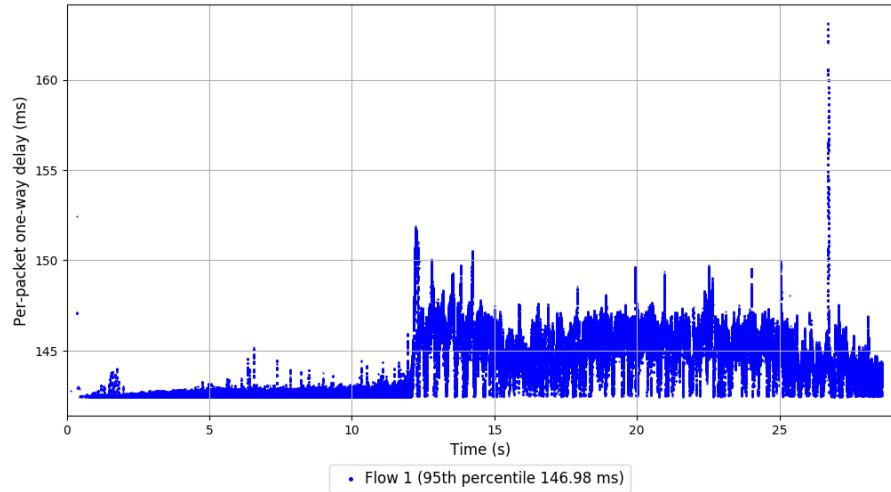
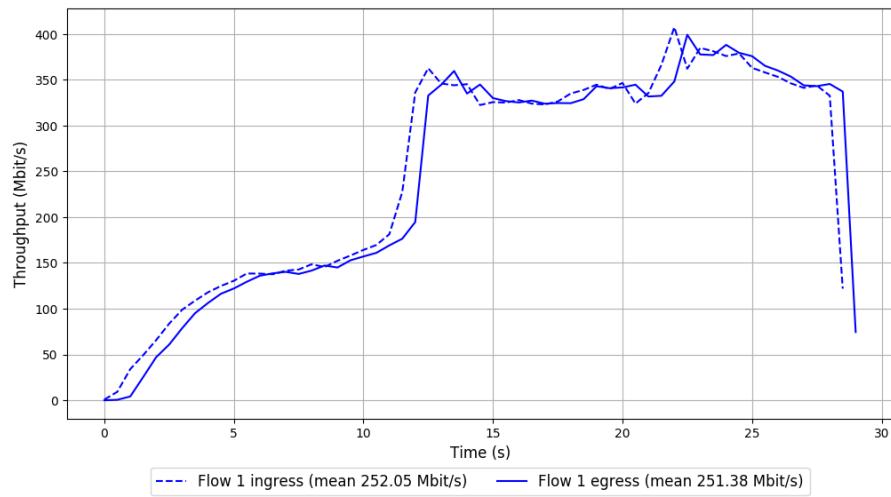


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-02-05 14:18:45
End at: 2019-02-05 14:19:15
Local clock offset: -0.59 ms
Remote clock offset: -38.071 ms

# Below is generated by plot.py at 2019-02-05 16:00:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 251.38 Mbit/s
95th percentile per-packet one-way delay: 146.984 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 251.38 Mbit/s
95th percentile per-packet one-way delay: 146.984 ms
Loss rate: 1.00%
```

Run 3: Report of Indigo-MusesD — Data Link

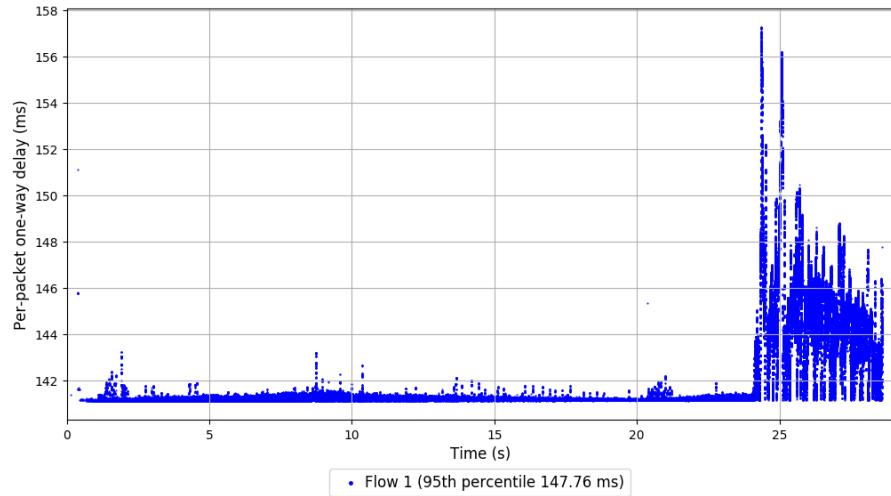
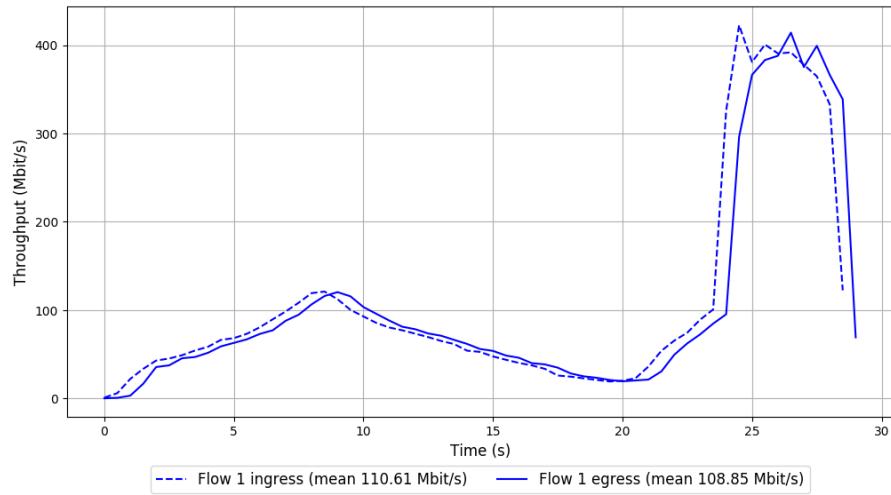


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-02-05 14:46:40
End at: 2019-02-05 14:47:10
Local clock offset: 0.802 ms
Remote clock offset: -34.674 ms

# Below is generated by plot.py at 2019-02-05 16:00:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 108.85 Mbit/s
95th percentile per-packet one-way delay: 147.759 ms
Loss rate: 2.29%
-- Flow 1:
Average throughput: 108.85 Mbit/s
95th percentile per-packet one-way delay: 147.759 ms
Loss rate: 2.29%
```

Run 4: Report of Indigo-MusesD — Data Link

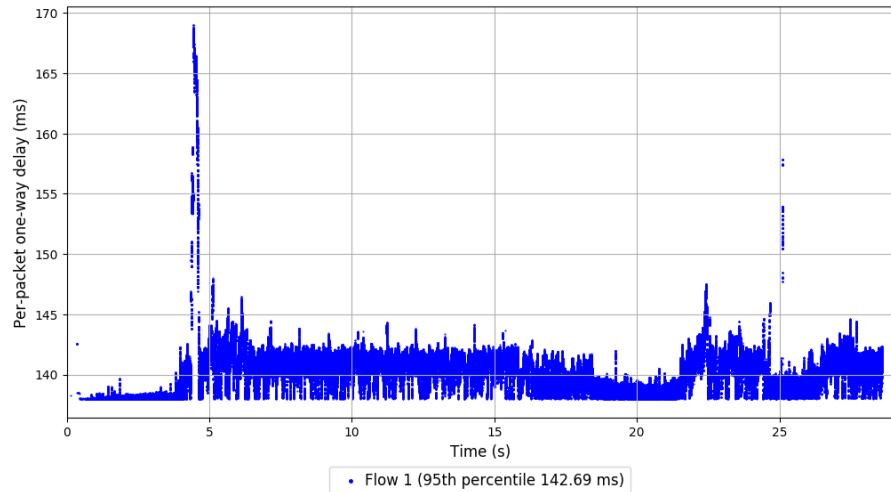
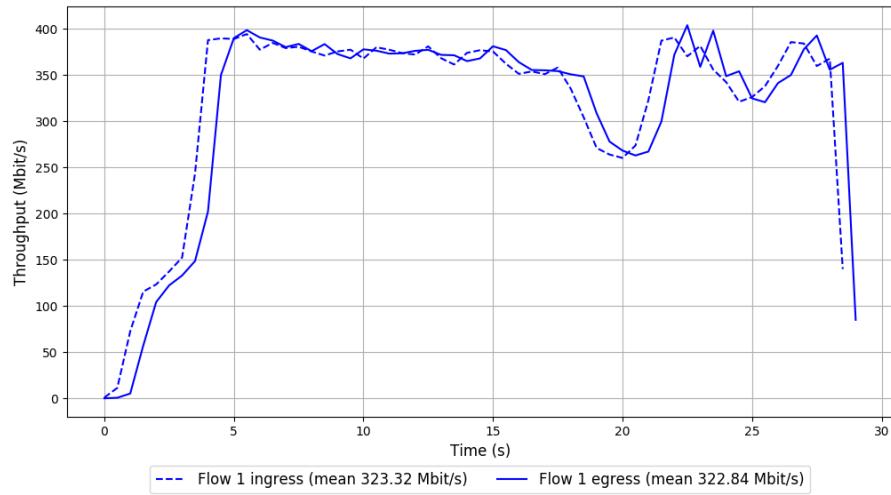


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-02-05 15:26:18
End at: 2019-02-05 15:26:48
Local clock offset: -0.878 ms
Remote clock offset: -31.142 ms

# Below is generated by plot.py at 2019-02-05 16:01:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 322.84 Mbit/s
95th percentile per-packet one-way delay: 142.691 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 322.84 Mbit/s
95th percentile per-packet one-way delay: 142.691 ms
Loss rate: 0.88%
```

Run 5: Report of Indigo-MusesD — Data Link

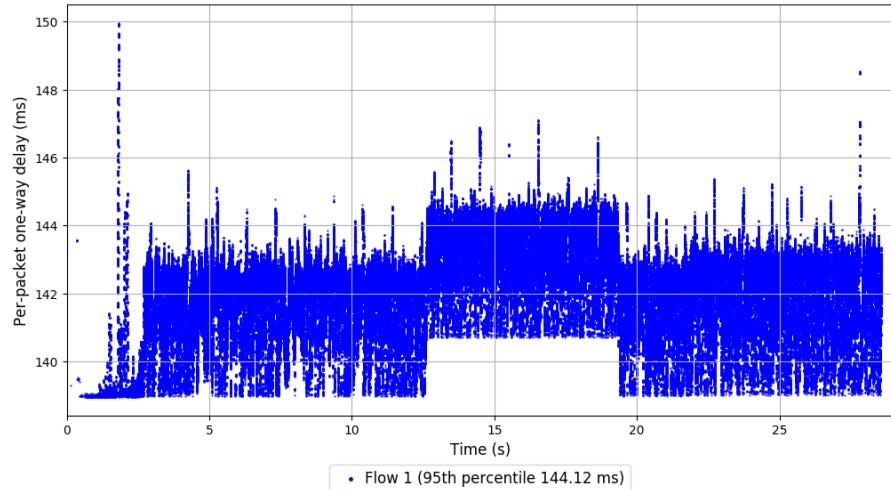
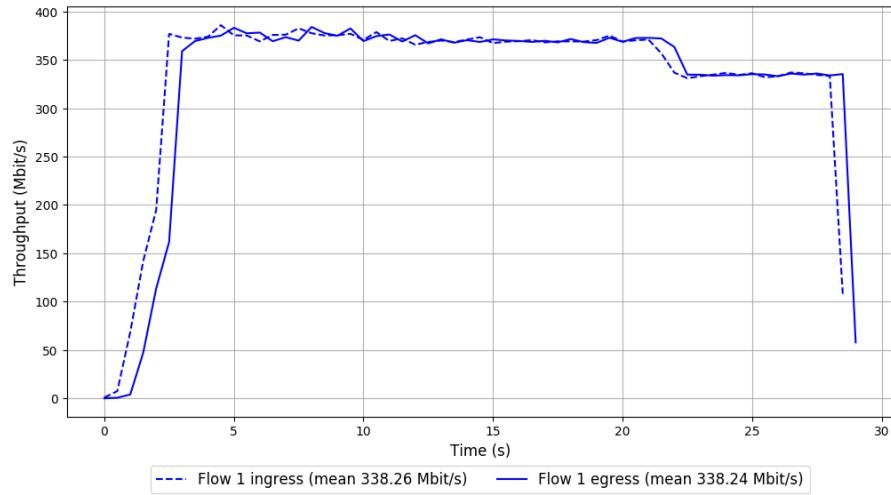


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-02-05 13:25:28
End at: 2019-02-05 13:25:58
Local clock offset: -2.522 ms
Remote clock offset: -40.044 ms

# Below is generated by plot.py at 2019-02-05 16:02:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 338.24 Mbit/s
95th percentile per-packet one-way delay: 144.117 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 338.24 Mbit/s
95th percentile per-packet one-way delay: 144.117 ms
Loss rate: 0.74%
```

Run 1: Report of Indigo-MusesT — Data Link

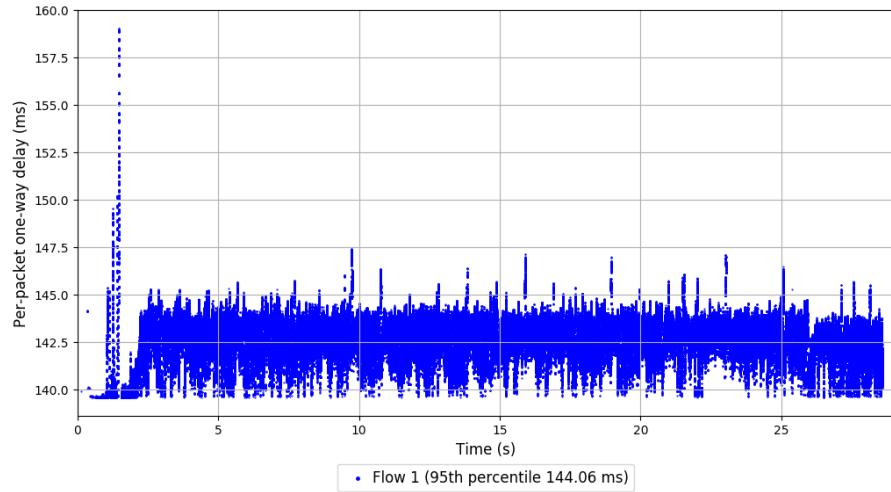
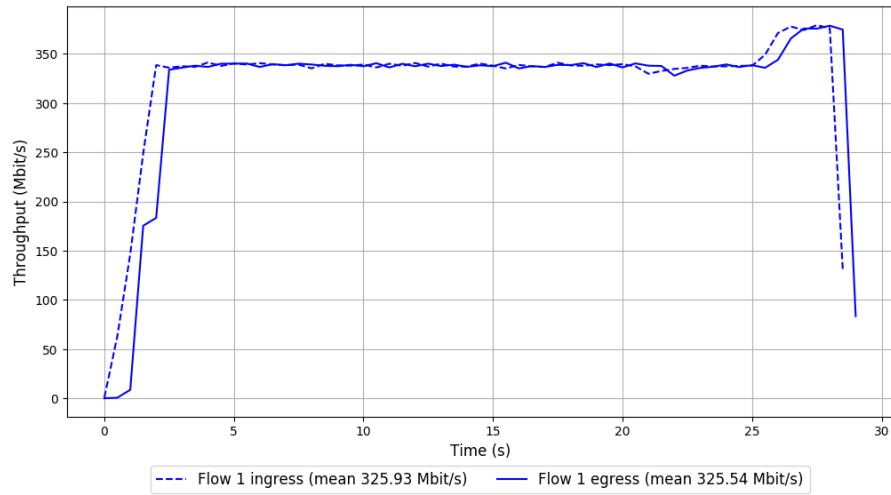


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-02-05 13:59:36
End at: 2019-02-05 14:00:06
Local clock offset: -0.711 ms
Remote clock offset: -37.704 ms

# Below is generated by plot.py at 2019-02-05 16:02:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 325.54 Mbit/s
95th percentile per-packet one-way delay: 144.058 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 325.54 Mbit/s
95th percentile per-packet one-way delay: 144.058 ms
Loss rate: 0.84%
```

Run 2: Report of Indigo-MusesT — Data Link

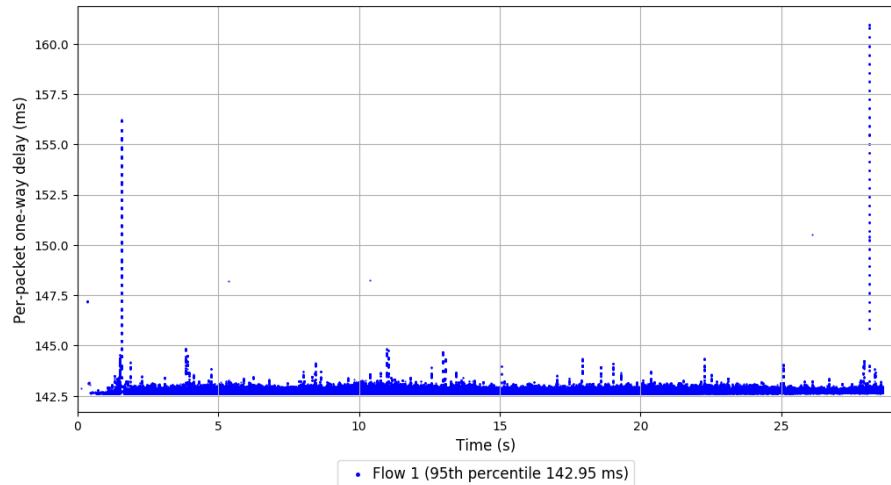
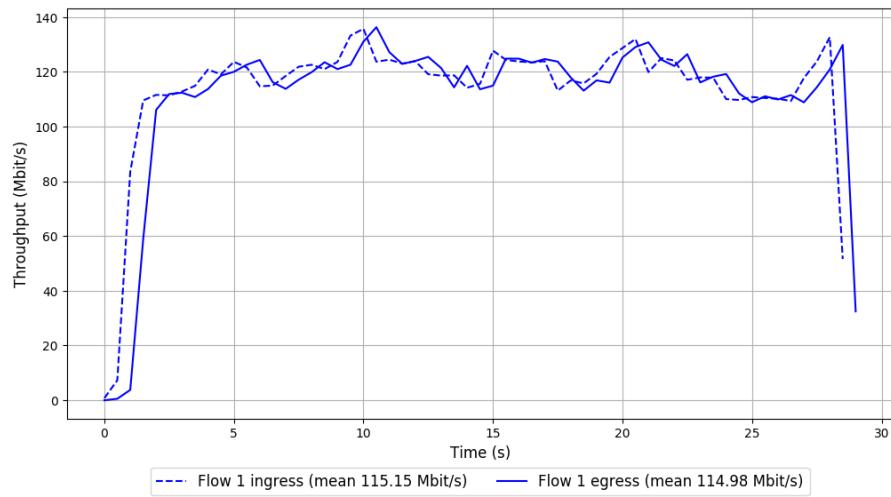


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-02-05 14:27:53
End at: 2019-02-05 14:28:23
Local clock offset: 1.019 ms
Remote clock offset: -36.683 ms

# Below is generated by plot.py at 2019-02-05 16:02:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 114.98 Mbit/s
95th percentile per-packet one-way delay: 142.951 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 114.98 Mbit/s
95th percentile per-packet one-way delay: 142.951 ms
Loss rate: 0.90%
```

Run 3: Report of Indigo-MusesT — Data Link

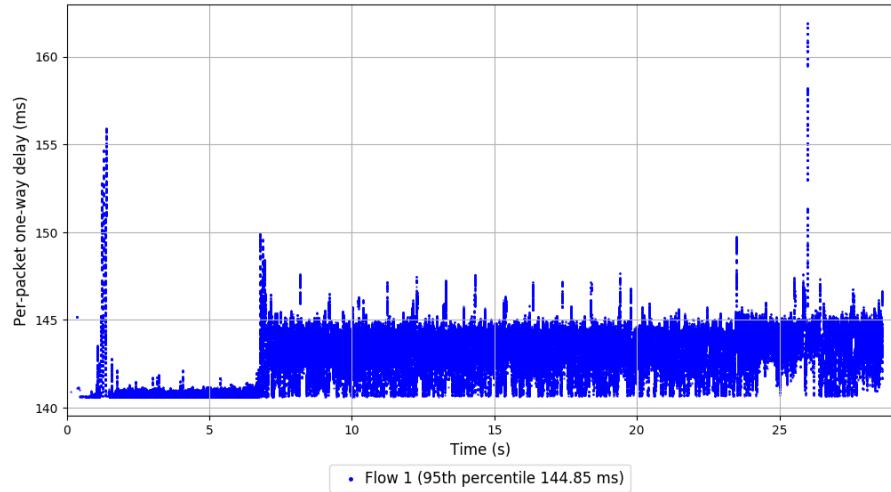
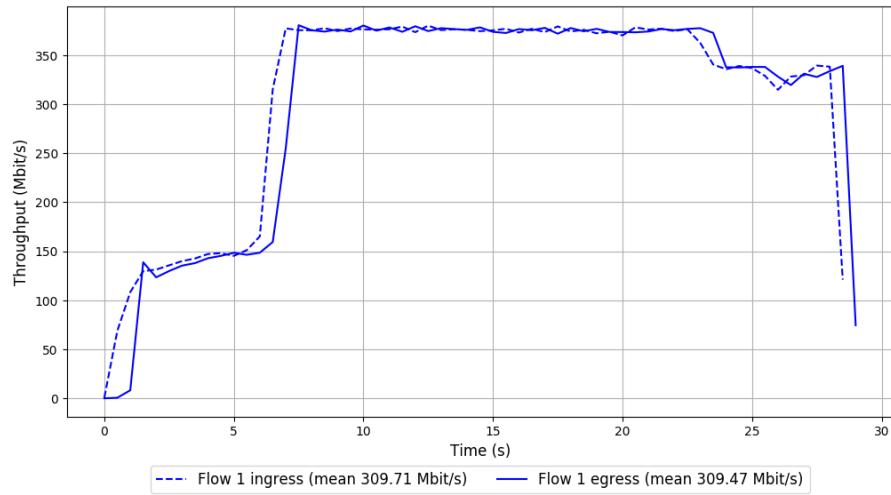


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-02-05 14:55:47
End at: 2019-02-05 14:56:17
Local clock offset: 1.428 ms
Remote clock offset: -34.275 ms

# Below is generated by plot.py at 2019-02-05 16:02:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 309.47 Mbit/s
95th percentile per-packet one-way delay: 144.849 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 309.47 Mbit/s
95th percentile per-packet one-way delay: 144.849 ms
Loss rate: 0.81%
```

Run 4: Report of Indigo-MusesT — Data Link

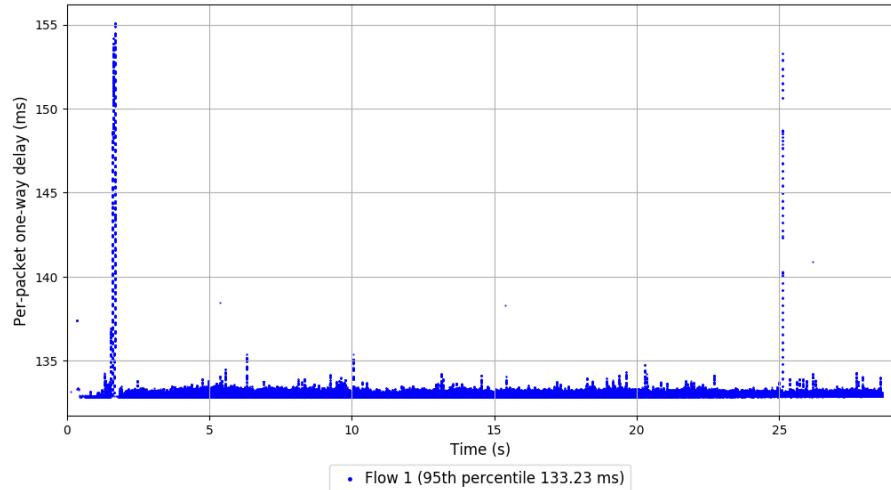
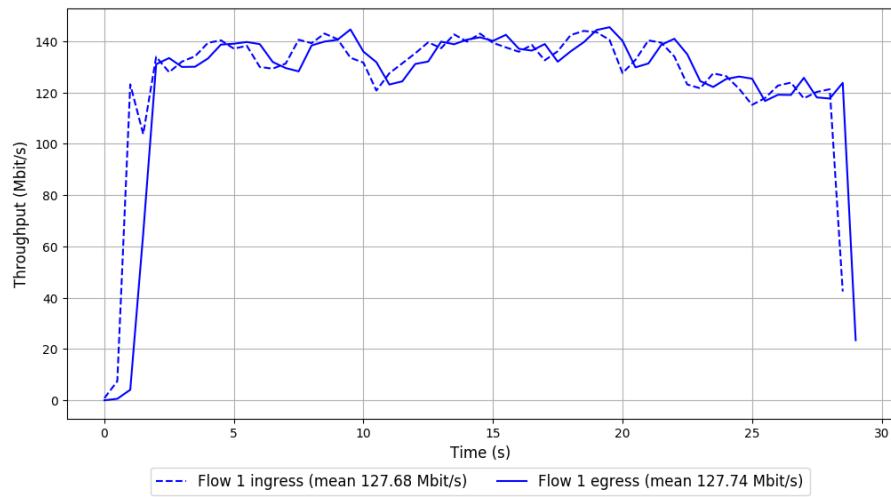


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-02-05 15:35:12
End at: 2019-02-05 15:35:42
Local clock offset: 0.473 ms
Remote clock offset: -23.86 ms

# Below is generated by plot.py at 2019-02-05 16:02:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 127.74 Mbit/s
95th percentile per-packet one-way delay: 133.234 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 127.74 Mbit/s
95th percentile per-packet one-way delay: 133.234 ms
Loss rate: 0.68%
```

Run 5: Report of Indigo-MusesT — Data Link

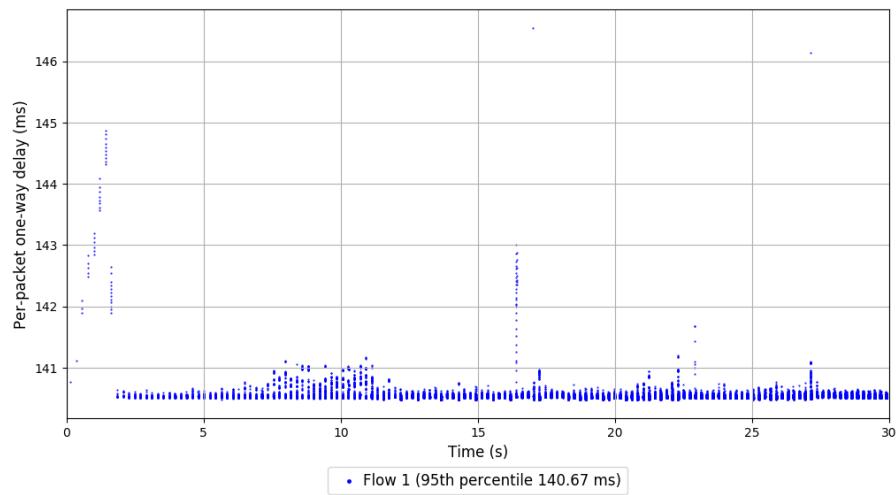
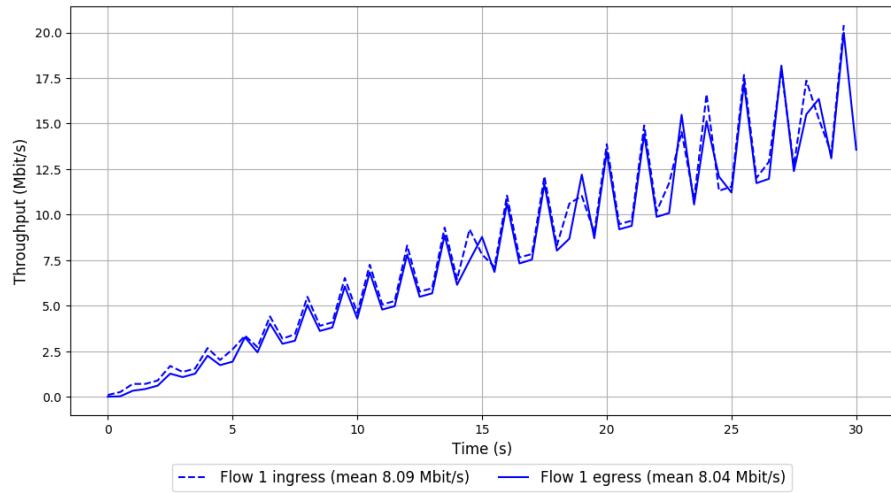


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2019-02-05 13:14:13
End at: 2019-02-05 13:14:43
Local clock offset: 1.823 ms
Remote clock offset: -36.807 ms

# Below is generated by plot.py at 2019-02-05 16:02:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.04 Mbit/s
95th percentile per-packet one-way delay: 140.670 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 8.04 Mbit/s
95th percentile per-packet one-way delay: 140.670 ms
Loss rate: 1.41%
```

Run 1: Report of LEDBAT — Data Link

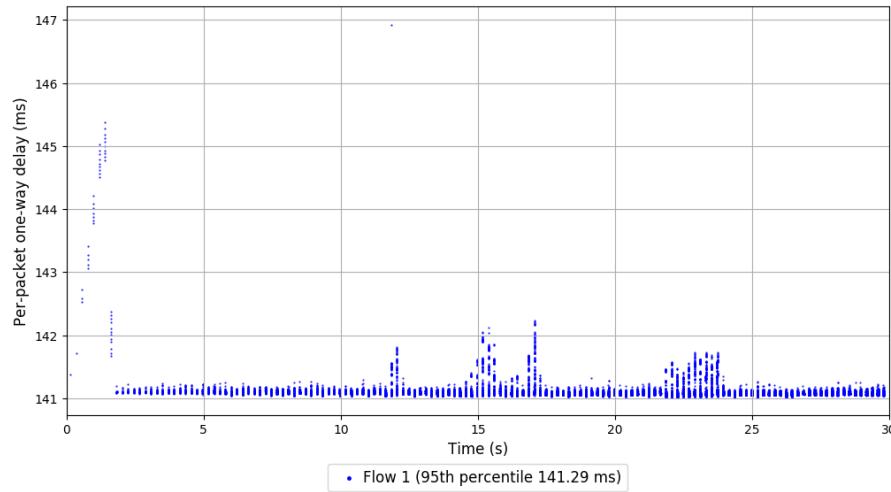
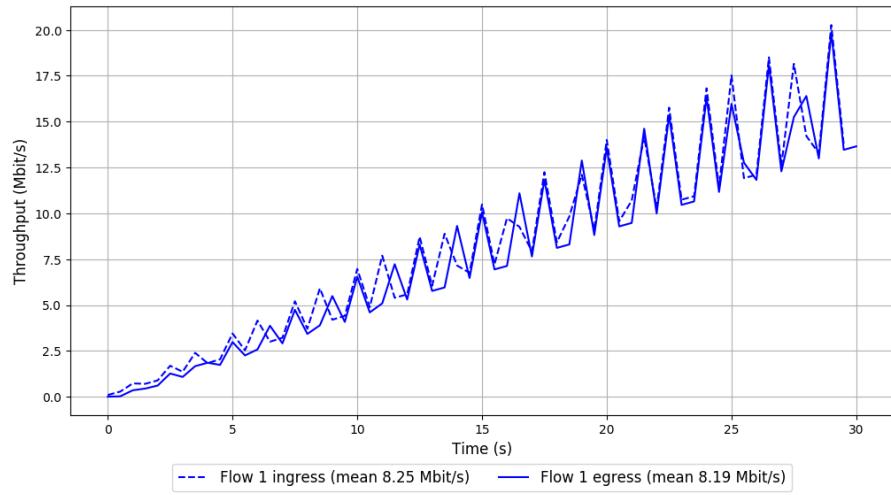


Run 2: Statistics of LEDBAT

```
Start at: 2019-02-05 13:48:39
End at: 2019-02-05 13:49:09
Local clock offset: -0.729 ms
Remote clock offset: -37.423 ms

# Below is generated by plot.py at 2019-02-05 16:02:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.19 Mbit/s
95th percentile per-packet one-way delay: 141.293 ms
Loss rate: 1.40%
-- Flow 1:
Average throughput: 8.19 Mbit/s
95th percentile per-packet one-way delay: 141.293 ms
Loss rate: 1.40%
```

Run 2: Report of LEDBAT — Data Link

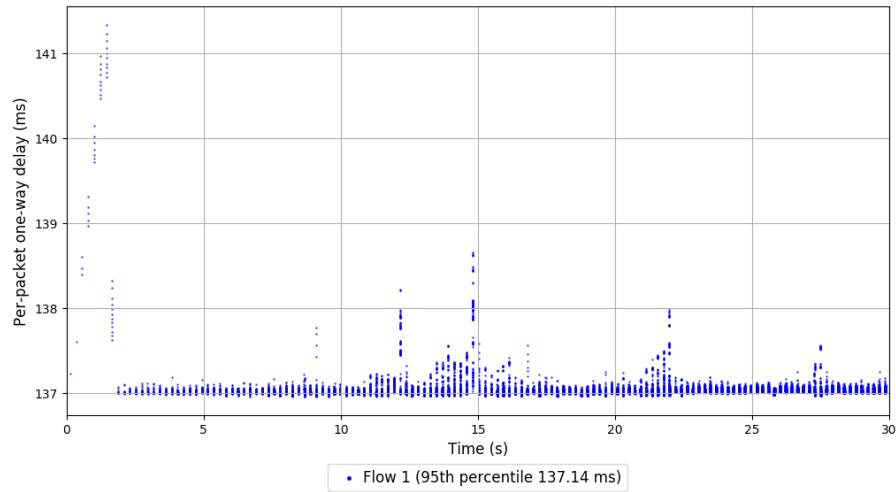
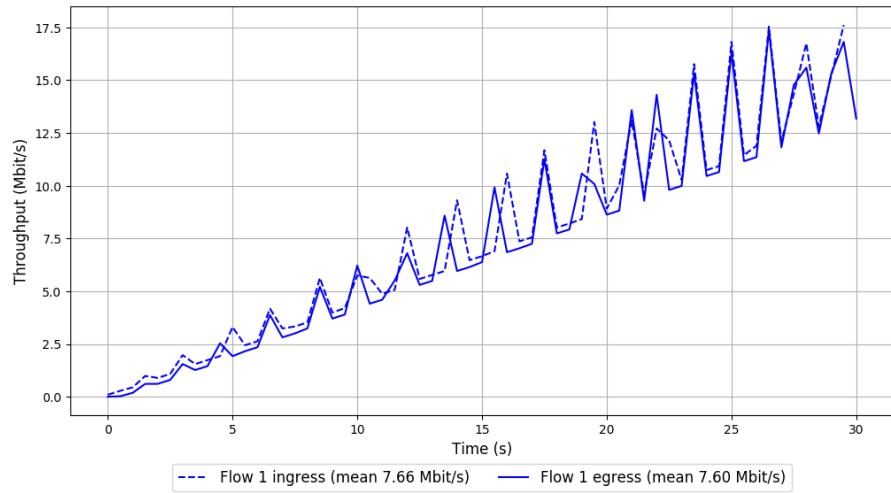


Run 3: Statistics of LEDBAT

```
Start at: 2019-02-05 14:22:39
End at: 2019-02-05 14:23:09
Local clock offset: -1.67 ms
Remote clock offset: -33.577 ms

# Below is generated by plot.py at 2019-02-05 16:02:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.60 Mbit/s
95th percentile per-packet one-way delay: 137.139 ms
Loss rate: 1.45%
-- Flow 1:
Average throughput: 7.60 Mbit/s
95th percentile per-packet one-way delay: 137.139 ms
Loss rate: 1.45%
```

Run 3: Report of LEDBAT — Data Link

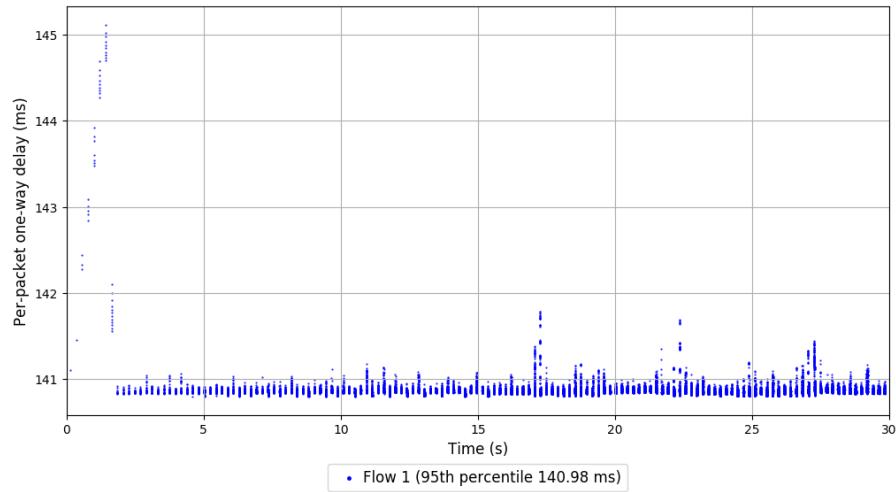
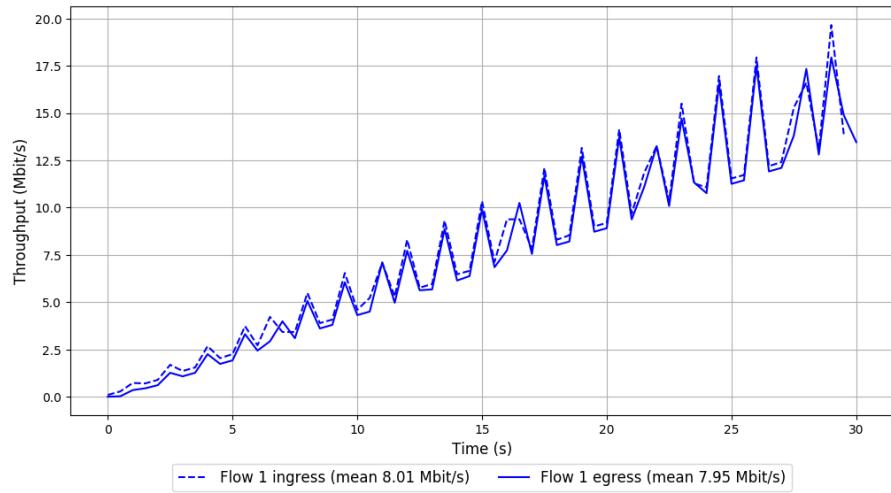


Run 4: Statistics of LEDBAT

```
Start at: 2019-02-05 14:50:30
End at: 2019-02-05 14:51:00
Local clock offset: -1.525 ms
Remote clock offset: -35.984 ms

# Below is generated by plot.py at 2019-02-05 16:02:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 140.976 ms
Loss rate: 1.42%
-- Flow 1:
Average throughput: 7.95 Mbit/s
95th percentile per-packet one-way delay: 140.976 ms
Loss rate: 1.42%
```

Run 4: Report of LEDBAT — Data Link

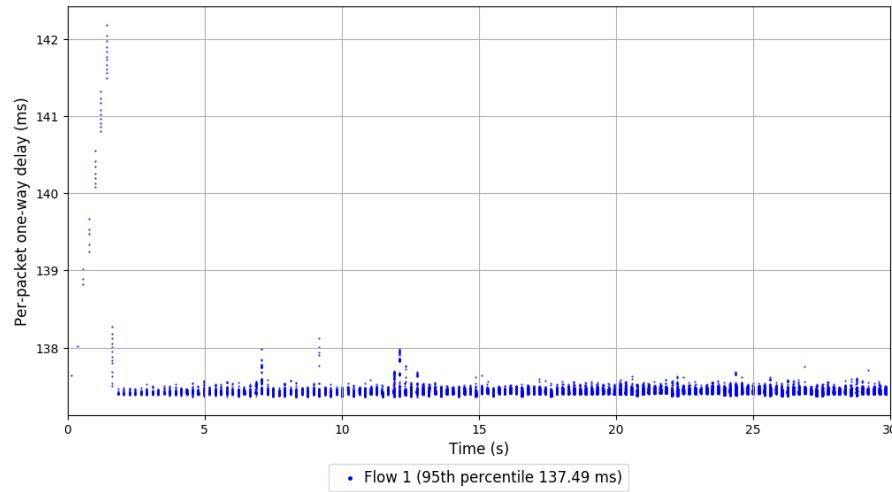
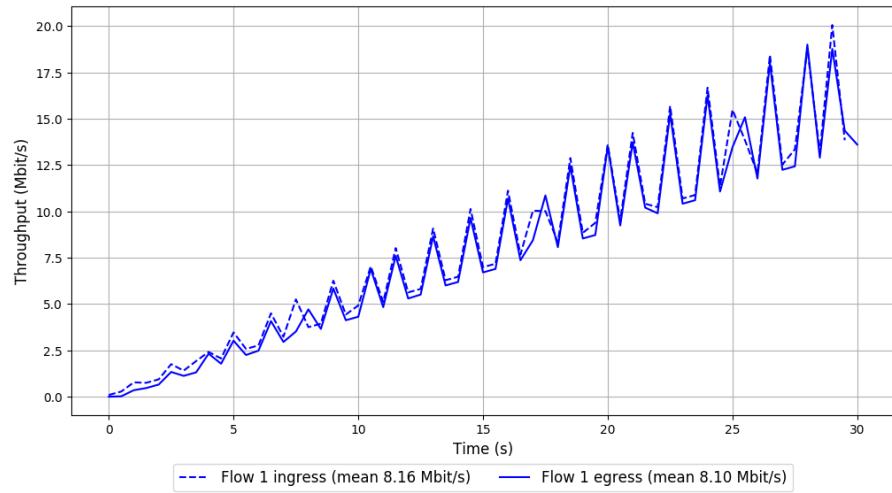


Run 5: Statistics of LEDBAT

```
Start at: 2019-02-05 15:30:06
End at: 2019-02-05 15:30:36
Local clock offset: -5.071 ms
Remote clock offset: -34.577 ms

# Below is generated by plot.py at 2019-02-05 16:02:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 8.10 Mbit/s
95th percentile per-packet one-way delay: 137.486 ms
Loss rate: 1.41%
-- Flow 1:
Average throughput: 8.10 Mbit/s
95th percentile per-packet one-way delay: 137.486 ms
Loss rate: 1.41%
```

Run 5: Report of LEDBAT — Data Link

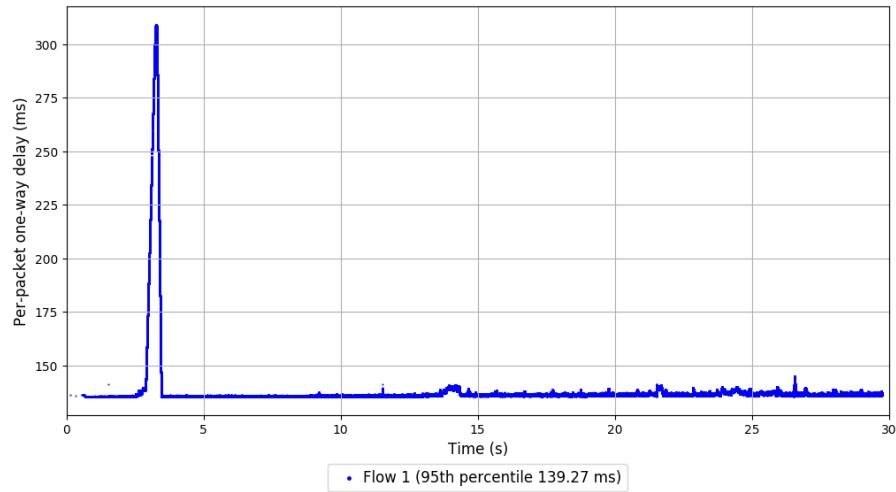
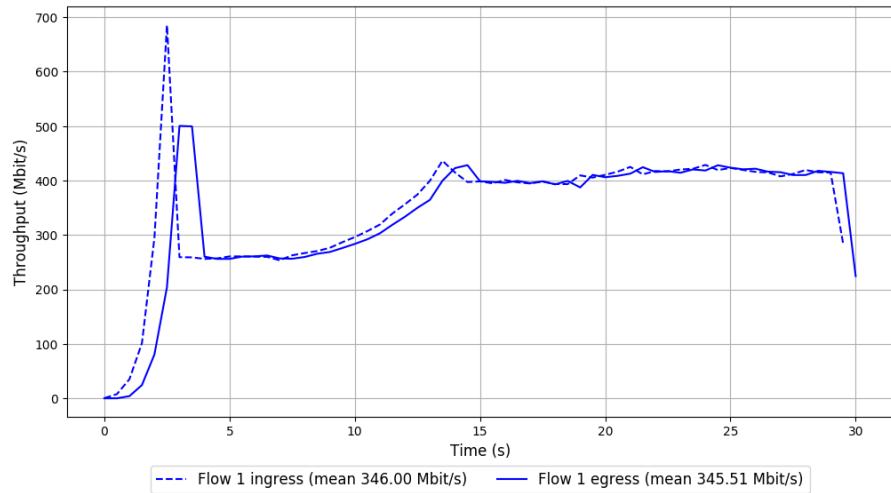


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-02-05 13:05:06
End at: 2019-02-05 13:05:37
Local clock offset: 2.063 ms
Remote clock offset: -31.899 ms

# Below is generated by plot.py at 2019-02-05 16:03:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 345.51 Mbit/s
95th percentile per-packet one-way delay: 139.270 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 345.51 Mbit/s
95th percentile per-packet one-way delay: 139.270 ms
Loss rate: 0.85%
```

Run 1: Report of PCC-Allegro — Data Link

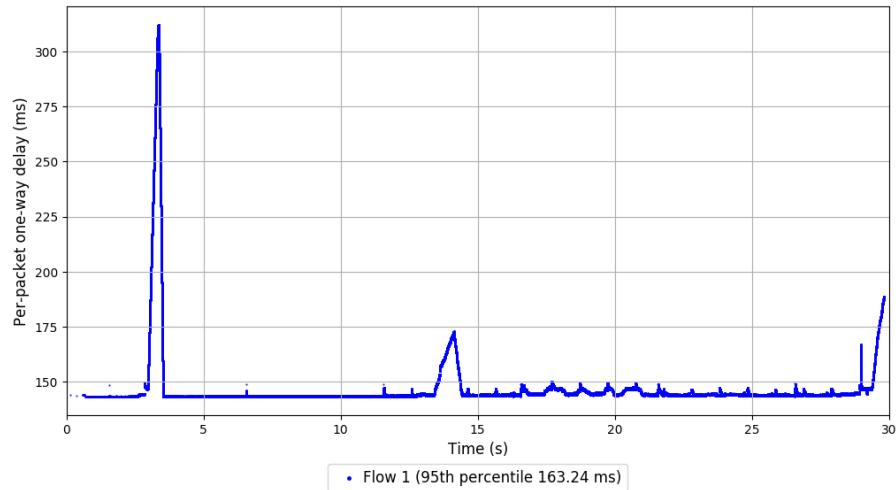
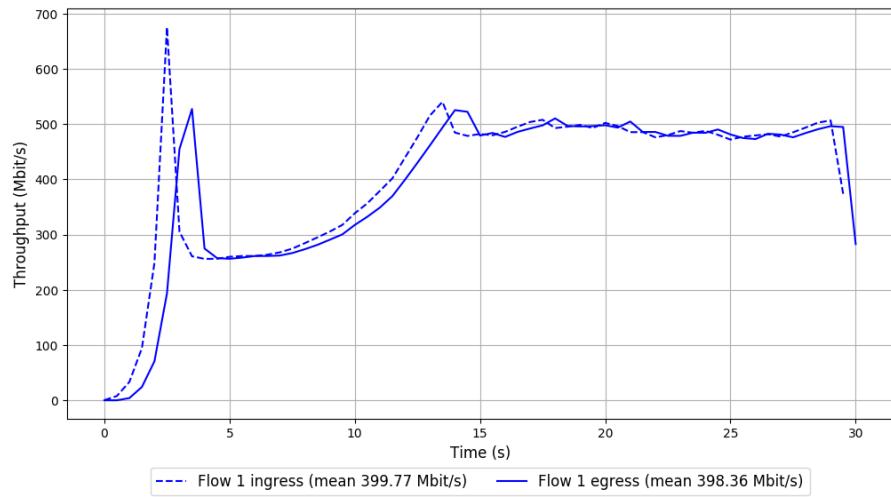


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-02-05 13:39:26
End at: 2019-02-05 13:39:57
Local clock offset: -1.385 ms
Remote clock offset: -40.615 ms

# Below is generated by plot.py at 2019-02-05 16:04:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 398.36 Mbit/s
95th percentile per-packet one-way delay: 163.237 ms
Loss rate: 1.06%
-- Flow 1:
Average throughput: 398.36 Mbit/s
95th percentile per-packet one-way delay: 163.237 ms
Loss rate: 1.06%
```

Run 2: Report of PCC-Allegro — Data Link

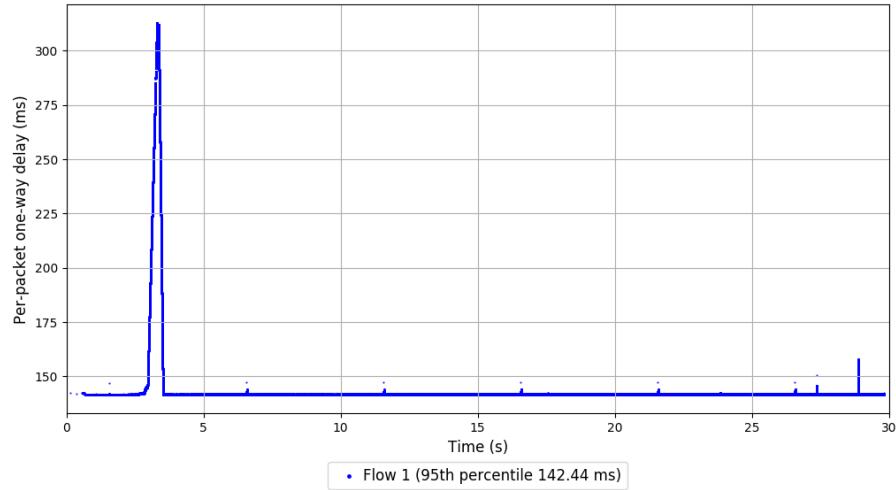
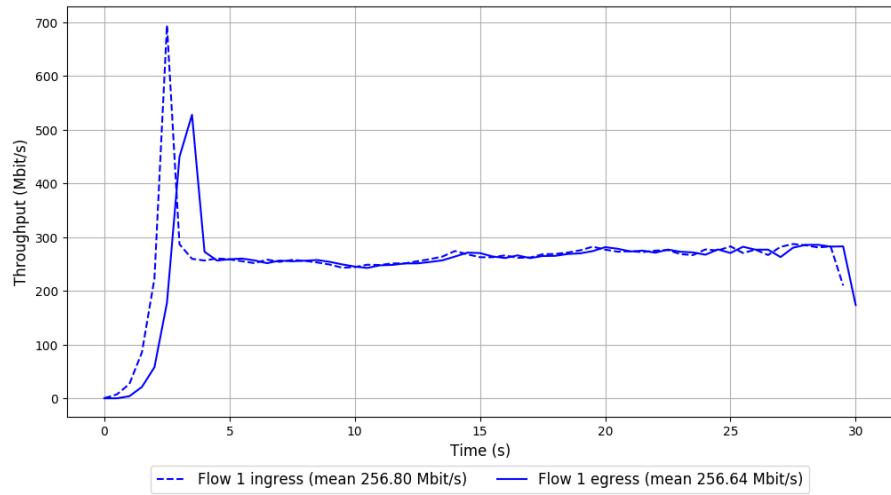


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-02-05 14:13:36
End at: 2019-02-05 14:14:06
Local clock offset: 0.487 ms
Remote clock offset: -38.03 ms

# Below is generated by plot.py at 2019-02-05 16:04:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 256.64 Mbit/s
95th percentile per-packet one-way delay: 142.443 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 256.64 Mbit/s
95th percentile per-packet one-way delay: 142.443 ms
Loss rate: 0.75%
```

Run 3: Report of PCC-Allegro — Data Link

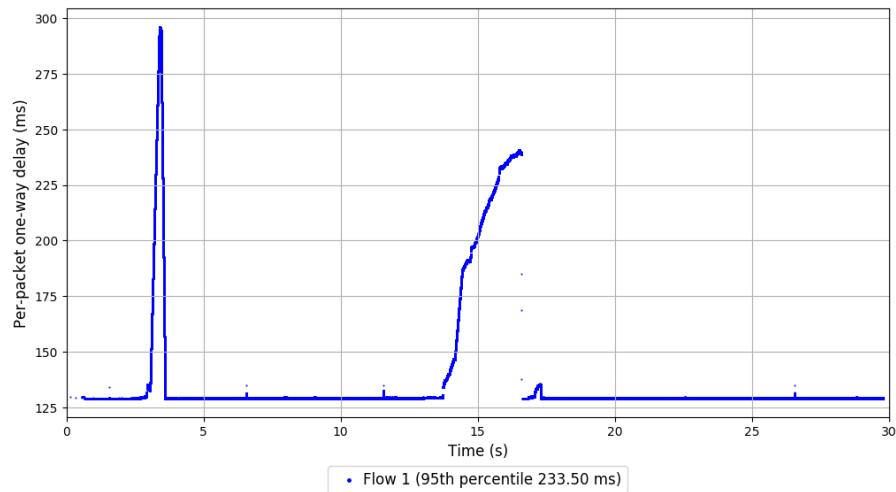
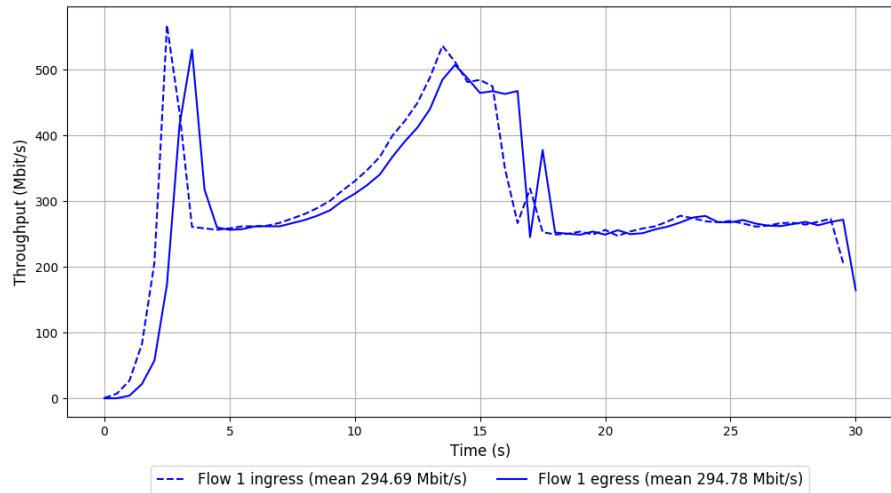


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-02-05 14:41:31
End at: 2019-02-05 14:42:01
Local clock offset: 0.294 ms
Remote clock offset: -24.656 ms

# Below is generated by plot.py at 2019-02-05 16:04:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 294.78 Mbit/s
95th percentile per-packet one-way delay: 233.504 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 294.78 Mbit/s
95th percentile per-packet one-way delay: 233.504 ms
Loss rate: 0.66%
```

Run 4: Report of PCC-Allegro — Data Link

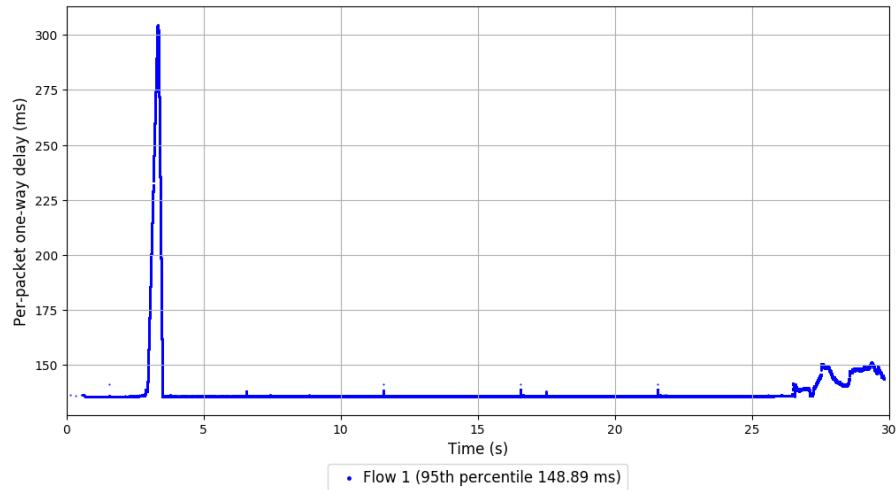
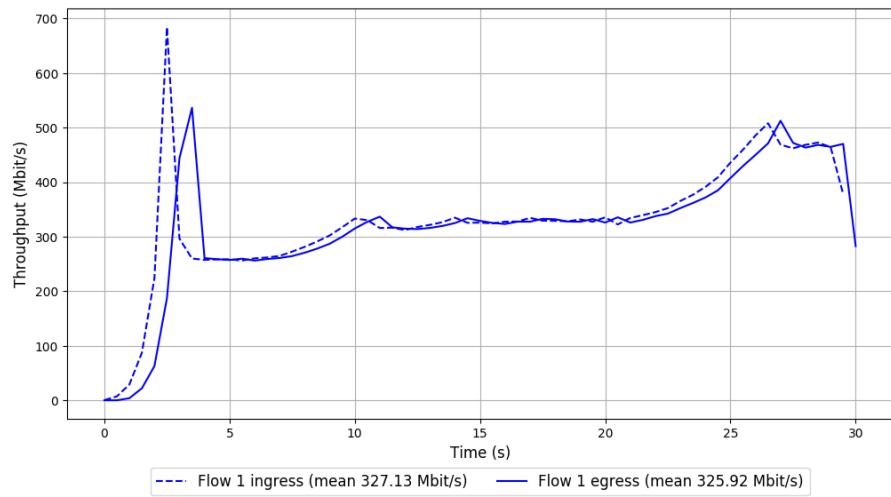


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-02-05 15:21:06
End at: 2019-02-05 15:21:36
Local clock offset: -0.701 ms
Remote clock offset: -28.654 ms

# Below is generated by plot.py at 2019-02-05 16:05:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 325.92 Mbit/s
95th percentile per-packet one-way delay: 148.887 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 325.92 Mbit/s
95th percentile per-packet one-way delay: 148.887 ms
Loss rate: 1.18%
```

Run 5: Report of PCC-Allegro — Data Link

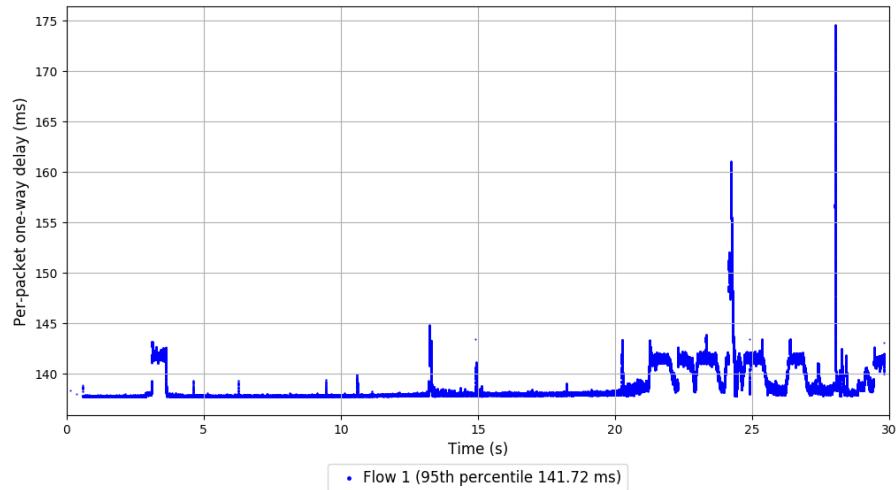
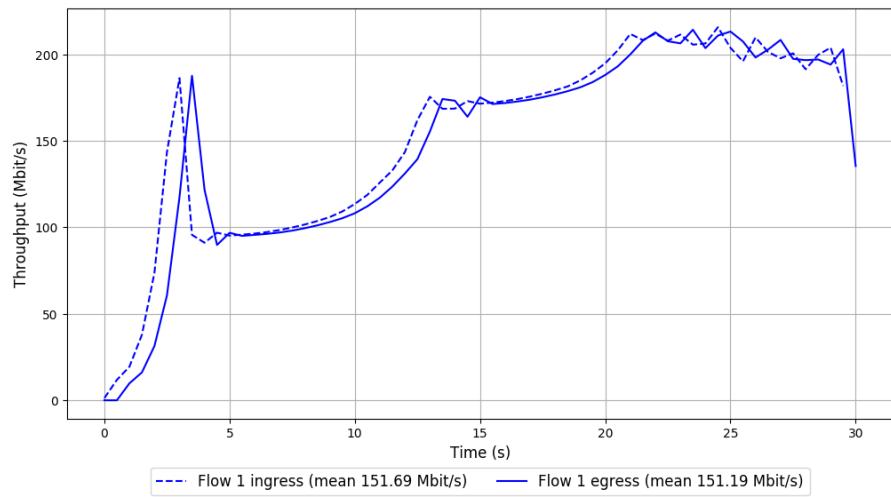


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-02-05 13:18:05
End at: 2019-02-05 13:18:35
Local clock offset: -2.256 ms
Remote clock offset: -37.779 ms

# Below is generated by plot.py at 2019-02-05 16:05:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 151.19 Mbit/s
95th percentile per-packet one-way delay: 141.715 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 151.19 Mbit/s
95th percentile per-packet one-way delay: 141.715 ms
Loss rate: 1.15%
```

Run 1: Report of PCC-Expr — Data Link

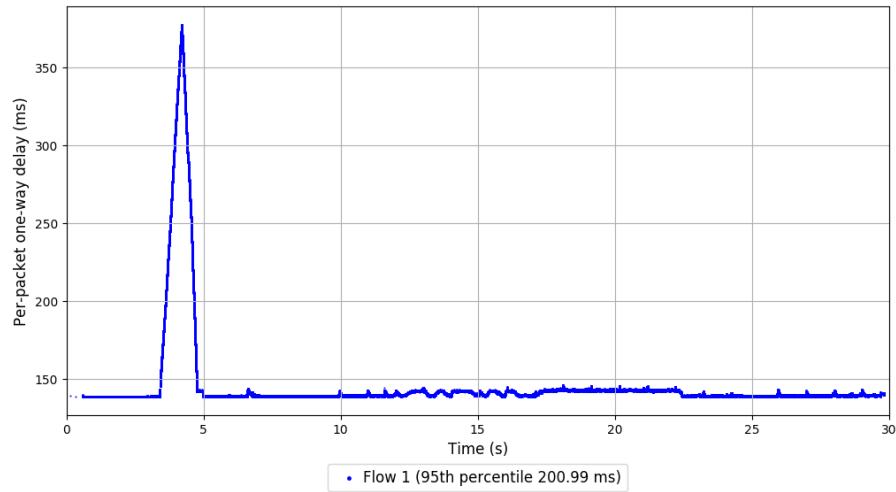
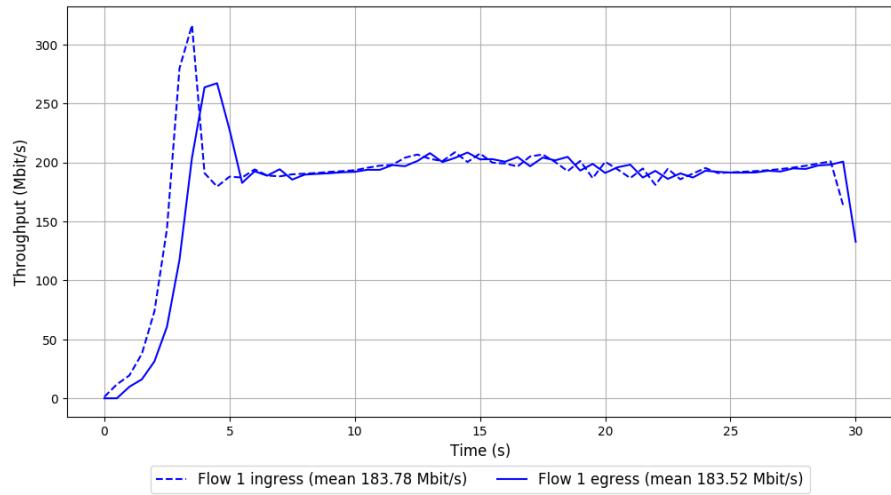


Run 2: Statistics of PCC-Expr

```
Start at: 2019-02-05 13:52:31
End at: 2019-02-05 13:53:01
Local clock offset: 0.394 ms
Remote clock offset: -33.919 ms

# Below is generated by plot.py at 2019-02-05 16:06:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 183.52 Mbit/s
95th percentile per-packet one-way delay: 200.992 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 183.52 Mbit/s
95th percentile per-packet one-way delay: 200.992 ms
Loss rate: 0.85%
```

Run 2: Report of PCC-Expr — Data Link

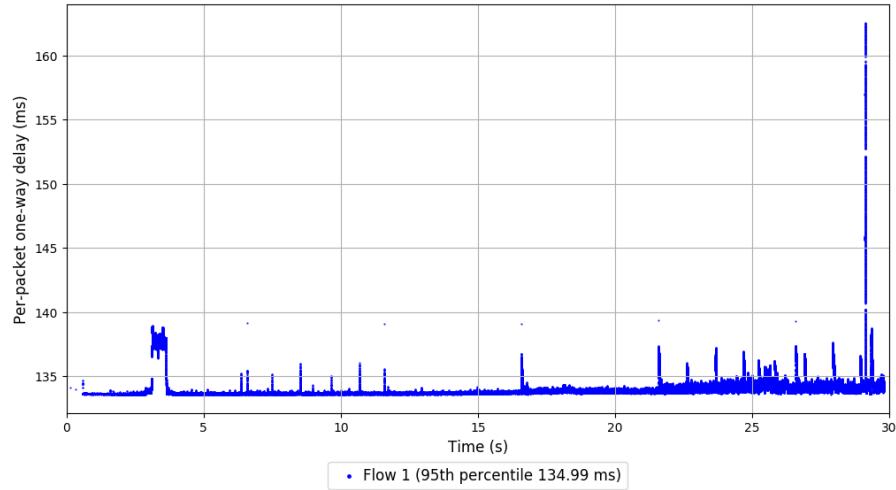
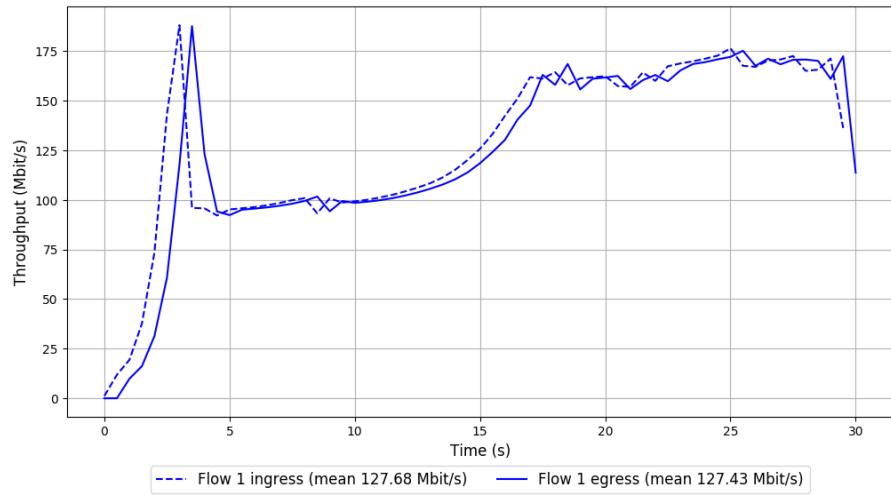


Run 3: Statistics of PCC-Expr

```
Start at: 2019-02-05 14:26:32
End at: 2019-02-05 14:27:02
Local clock offset: -1.42 ms
Remote clock offset: -29.825 ms

# Below is generated by plot.py at 2019-02-05 16:06:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 127.43 Mbit/s
95th percentile per-packet one-way delay: 134.992 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 127.43 Mbit/s
95th percentile per-packet one-way delay: 134.992 ms
Loss rate: 0.90%
```

Run 3: Report of PCC-Expr — Data Link

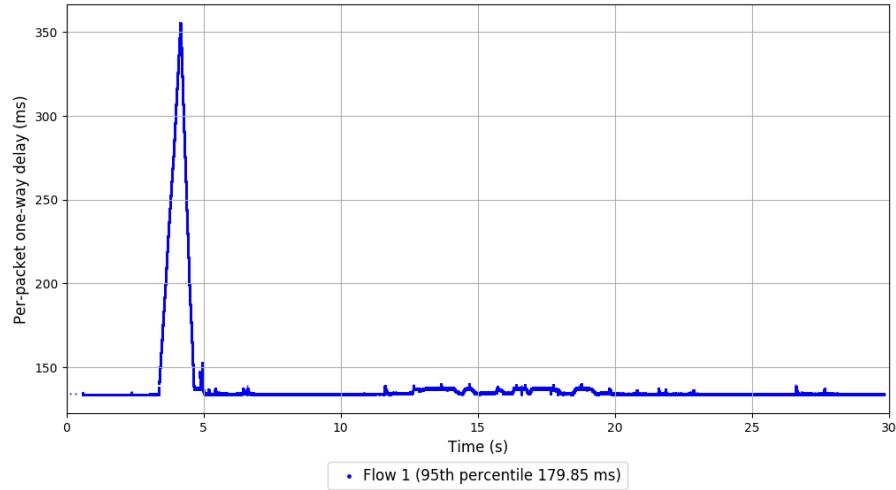
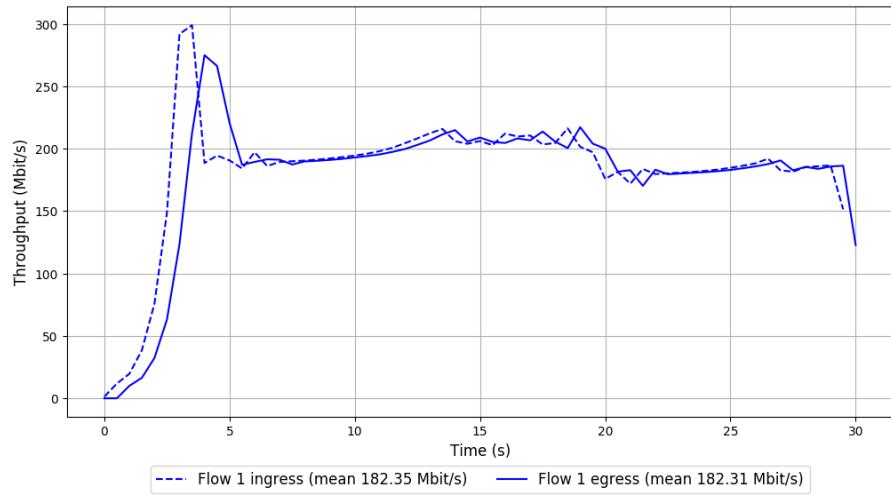


Run 4: Statistics of PCC-Expr

```
Start at: 2019-02-05 14:54:20
End at: 2019-02-05 14:54:50
Local clock offset: 0.583 ms
Remote clock offset: -28.195 ms

# Below is generated by plot.py at 2019-02-05 16:07:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 182.31 Mbit/s
95th percentile per-packet one-way delay: 179.853 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 182.31 Mbit/s
95th percentile per-packet one-way delay: 179.853 ms
Loss rate: 0.73%
```

Run 4: Report of PCC-Expr — Data Link

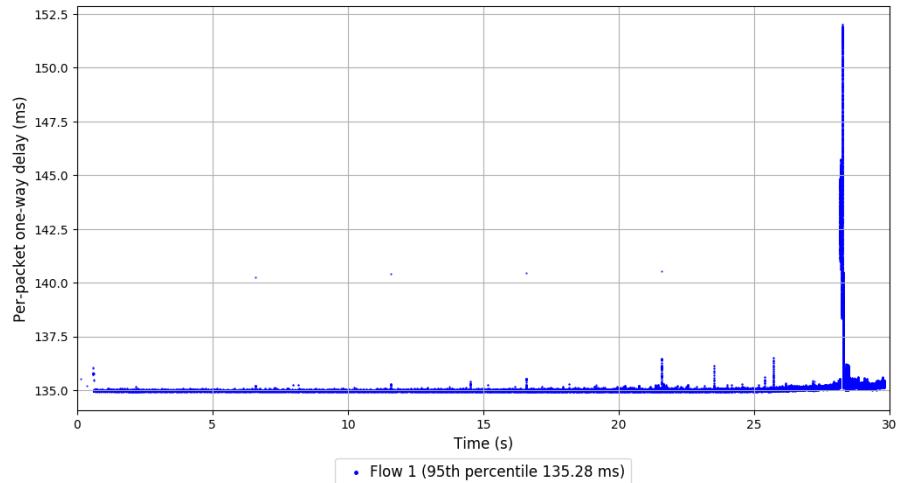
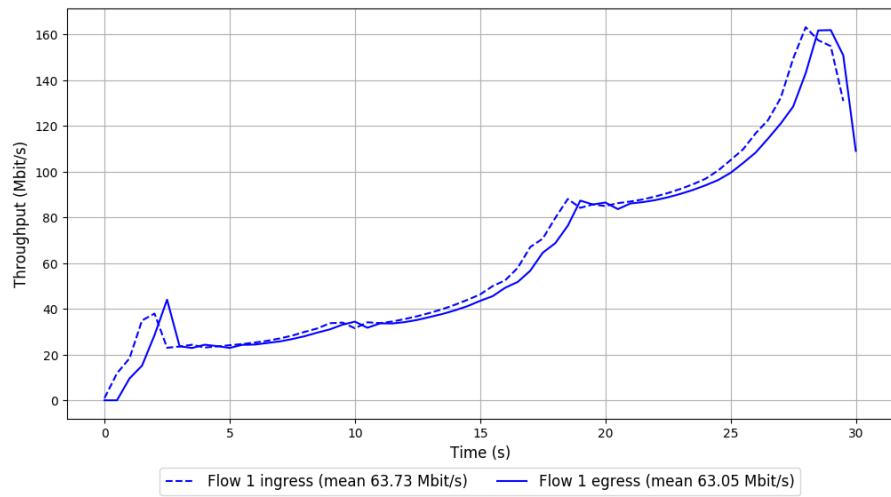


Run 5: Statistics of PCC-Expr

```
Start at: 2019-02-05 15:33:55
End at: 2019-02-05 15:34:25
Local clock offset: 1.608 ms
Remote clock offset: -25.257 ms

# Below is generated by plot.py at 2019-02-05 16:07:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.05 Mbit/s
95th percentile per-packet one-way delay: 135.278 ms
Loss rate: 1.75%
-- Flow 1:
Average throughput: 63.05 Mbit/s
95th percentile per-packet one-way delay: 135.278 ms
Loss rate: 1.75%
```

Run 5: Report of PCC-Expr — Data Link

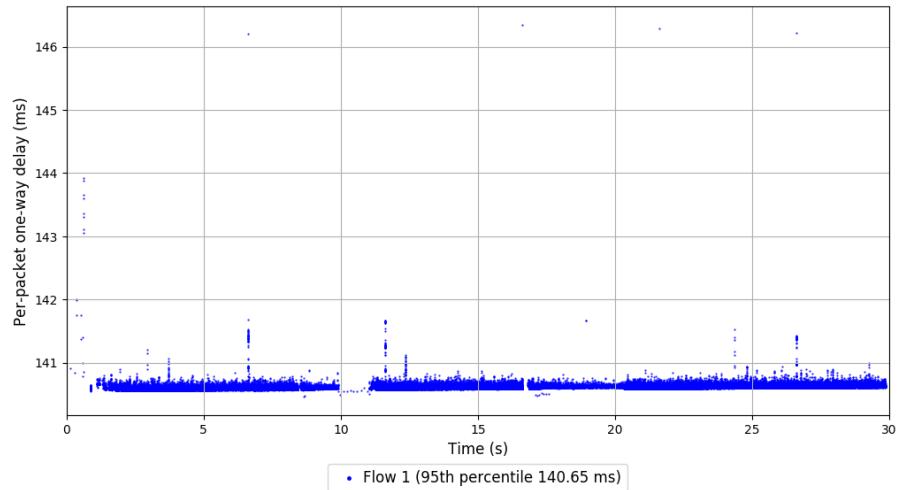
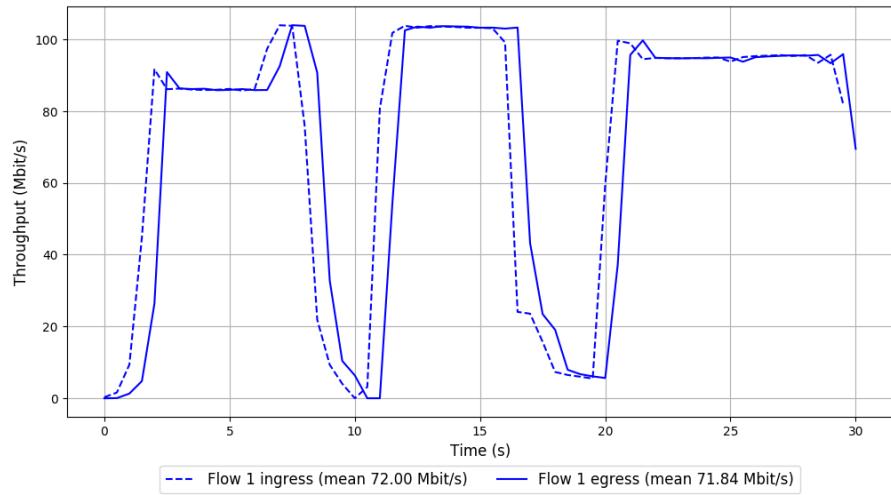


```
Run 1: Statistics of QUIC Cubic

Start at: 2019-02-05 13:16:50
End at: 2019-02-05 13:17:20
Local clock offset: 0.076 ms
Remote clock offset: -39.746 ms

# Below is generated by plot.py at 2019-02-05 16:07:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.84 Mbit/s
95th percentile per-packet one-way delay: 140.650 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 71.84 Mbit/s
95th percentile per-packet one-way delay: 140.650 ms
Loss rate: 0.91%
```

Run 1: Report of QUIC Cubic — Data Link

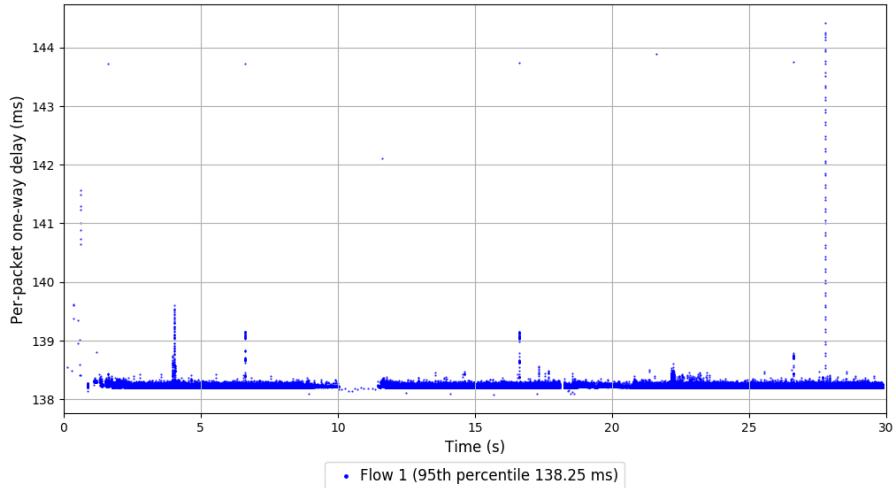
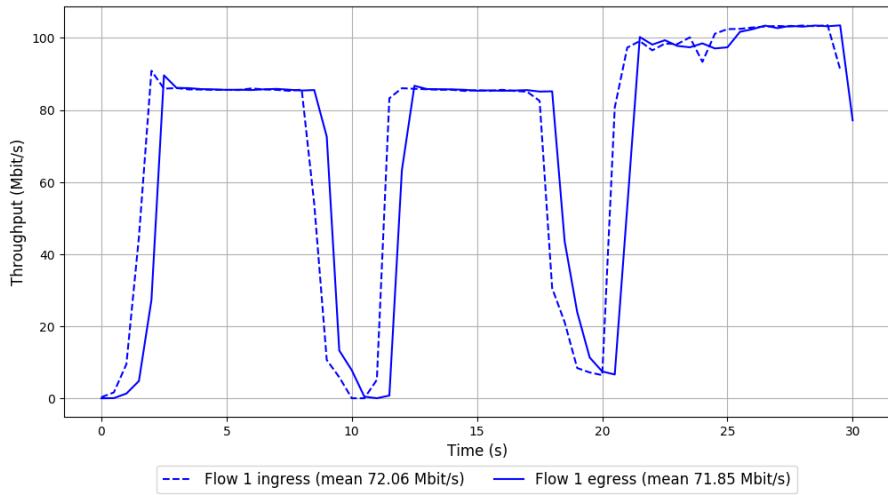


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-02-05 13:51:16
End at: 2019-02-05 13:51:46
Local clock offset: 0.483 ms
Remote clock offset: -33.831 ms

# Below is generated by plot.py at 2019-02-05 16:07:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.85 Mbit/s
95th percentile per-packet one-way delay: 138.254 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 71.85 Mbit/s
95th percentile per-packet one-way delay: 138.254 ms
Loss rate: 0.99%
```

Run 2: Report of QUIC Cubic — Data Link

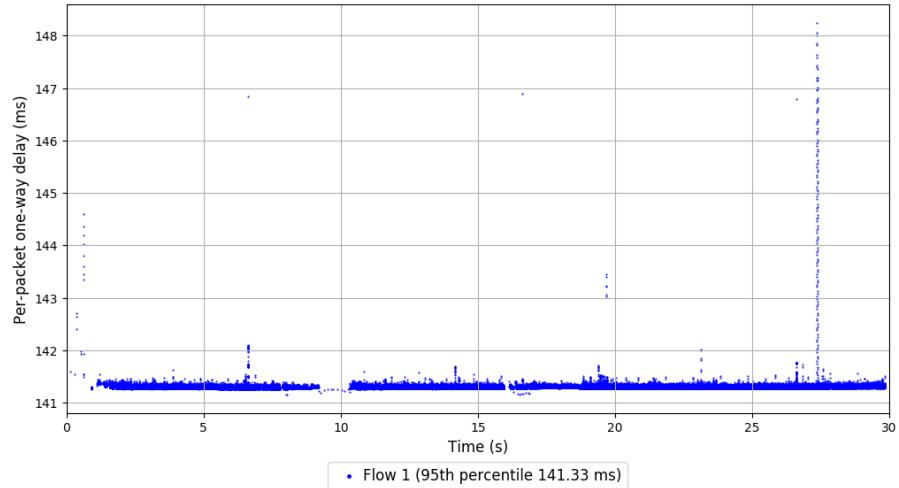
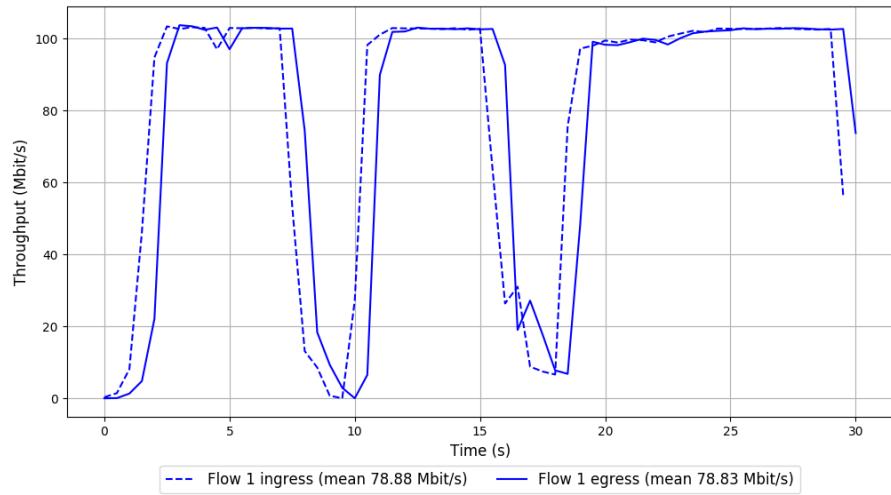


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-02-05 14:25:17
End at: 2019-02-05 14:25:47
Local clock offset: 0.316 ms
Remote clock offset: -36.219 ms

# Below is generated by plot.py at 2019-02-05 16:07:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.83 Mbit/s
95th percentile per-packet one-way delay: 141.326 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 78.83 Mbit/s
95th percentile per-packet one-way delay: 141.326 ms
Loss rate: 0.25%
```

Run 3: Report of QUIC Cubic — Data Link

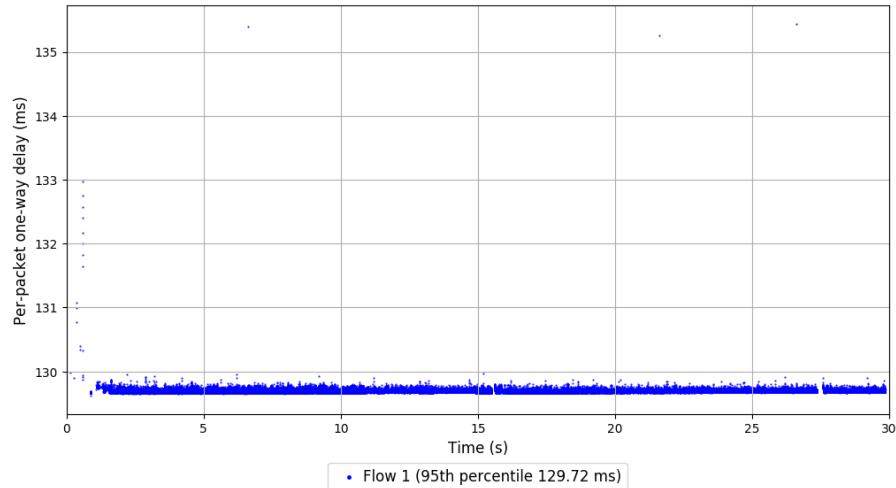
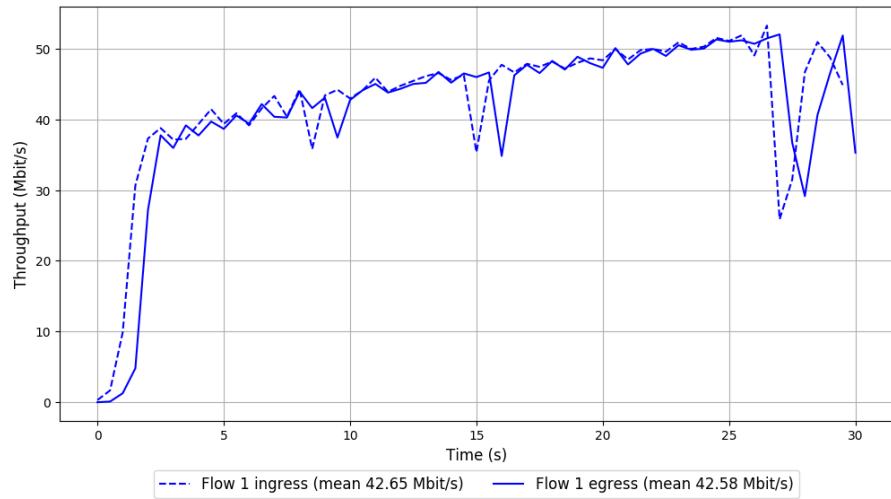


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-02-05 14:53:07
End at: 2019-02-05 14:53:37
Local clock offset: 0.559 ms
Remote clock offset: -24.411 ms

# Below is generated by plot.py at 2019-02-05 16:07:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.58 Mbit/s
95th percentile per-packet one-way delay: 129.725 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 42.58 Mbit/s
95th percentile per-packet one-way delay: 129.725 ms
Loss rate: 0.85%
```

Run 4: Report of QUIC Cubic — Data Link

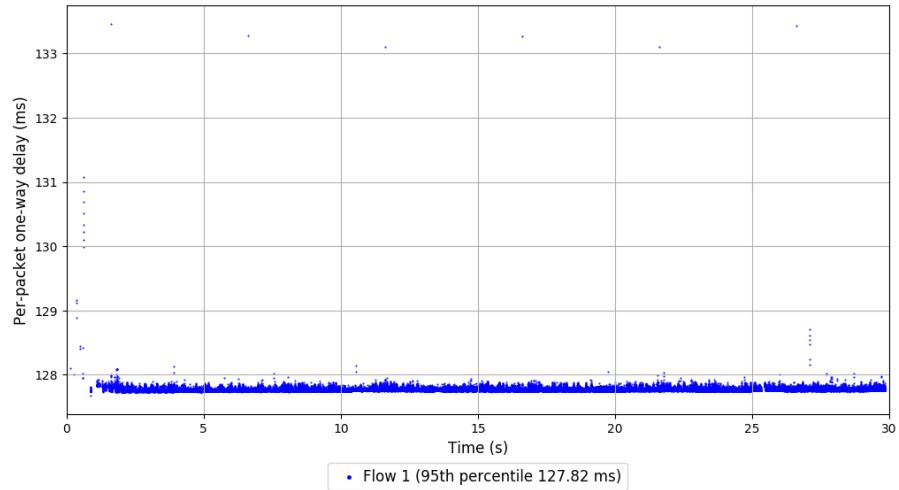
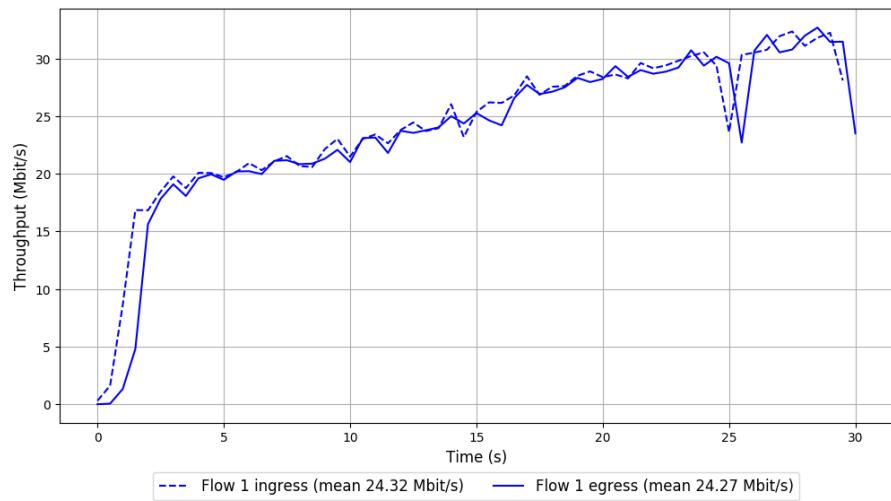


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-02-05 15:32:43
End at: 2019-02-05 15:33:13
Local clock offset: 1.567 ms
Remote clock offset: -19.526 ms

# Below is generated by plot.py at 2019-02-05 16:07:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 127.816 ms
Loss rate: 0.89%
-- Flow 1:
Average throughput: 24.27 Mbit/s
95th percentile per-packet one-way delay: 127.816 ms
Loss rate: 0.89%
```

Run 5: Report of QUIC Cubic — Data Link

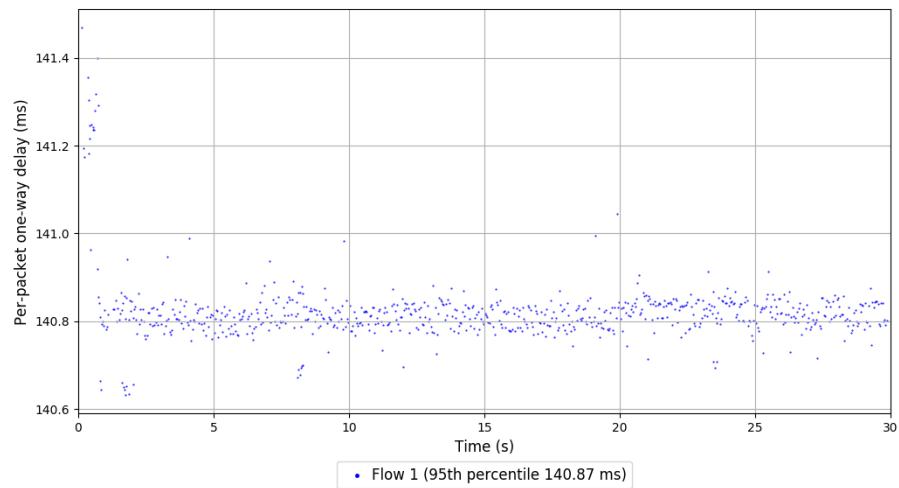
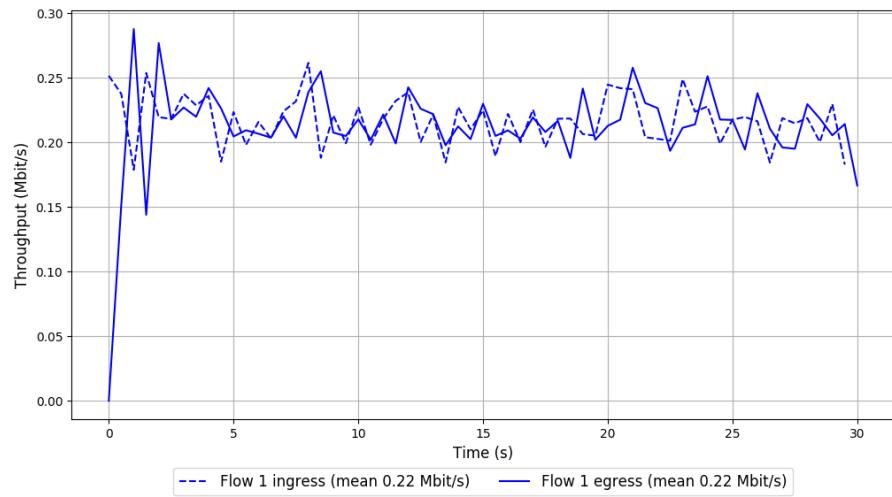


```
Run 1: Statistics of SCReAM
```

```
Start at: 2019-02-05 13:13:03
End at: 2019-02-05 13:13:33
Local clock offset: 1.758 ms
Remote clock offset: -38.472 ms

# Below is generated by plot.py at 2019-02-05 16:07:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 140.874 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 140.874 ms
Loss rate: 0.64%
```

Run 1: Report of SCReAM — Data Link

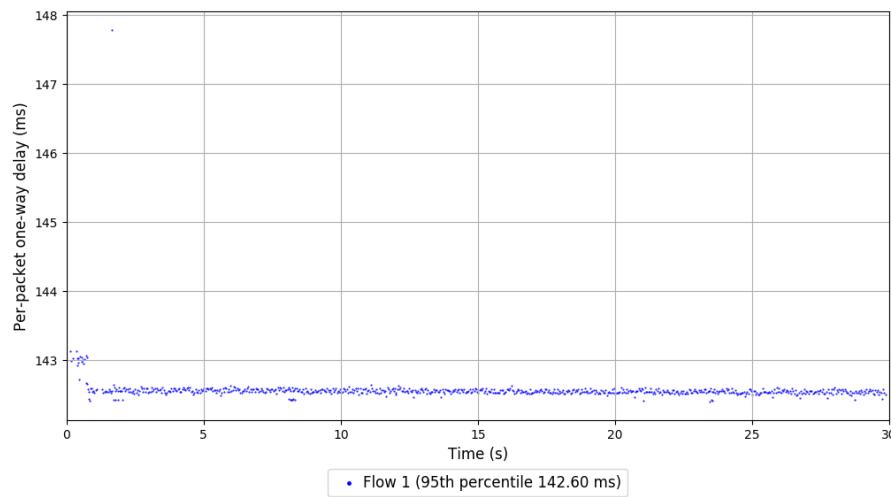
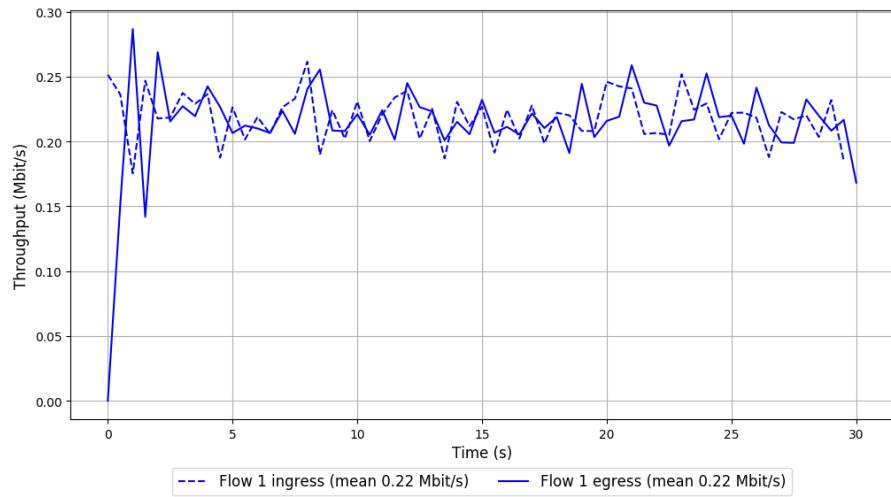


Run 2: Statistics of SCReAM

```
Start at: 2019-02-05 13:47:29
End at: 2019-02-05 13:47:59
Local clock offset: -1.345 ms
Remote clock offset: -39.748 ms

# Below is generated by plot.py at 2019-02-05 16:07:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 142.603 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 142.603 ms
Loss rate: 0.64%
```

Run 2: Report of SCReAM — Data Link

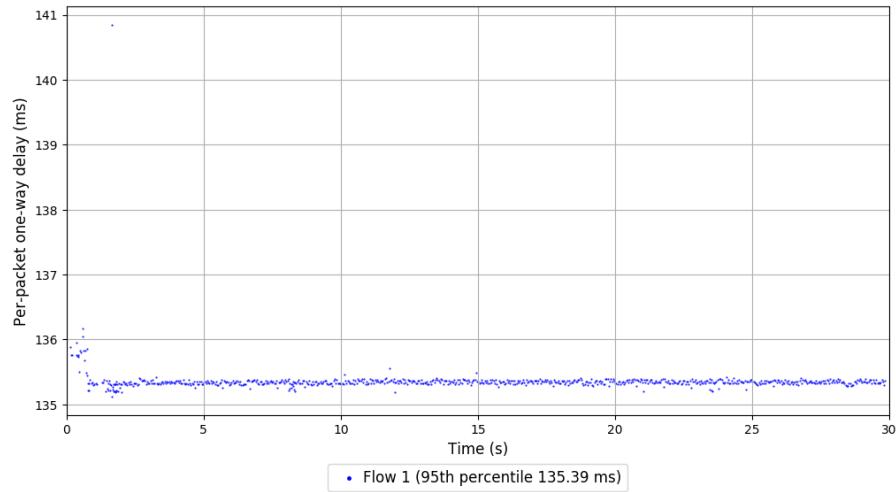
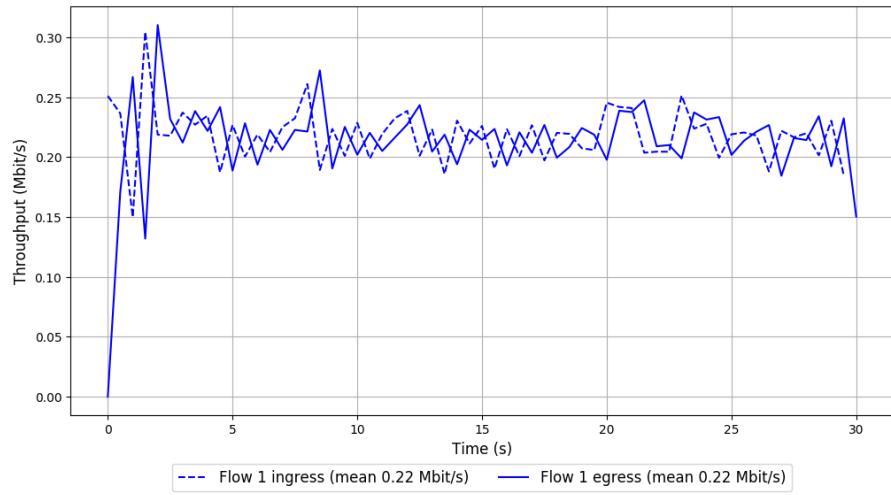


Run 3: Statistics of SCReAM

```
Start at: 2019-02-05 14:21:28
End at: 2019-02-05 14:21:58
Local clock offset: 0.217 ms
Remote clock offset: -30.319 ms

# Below is generated by plot.py at 2019-02-05 16:07:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.394 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 135.394 ms
Loss rate: 0.64%
```

Run 3: Report of SCReAM — Data Link

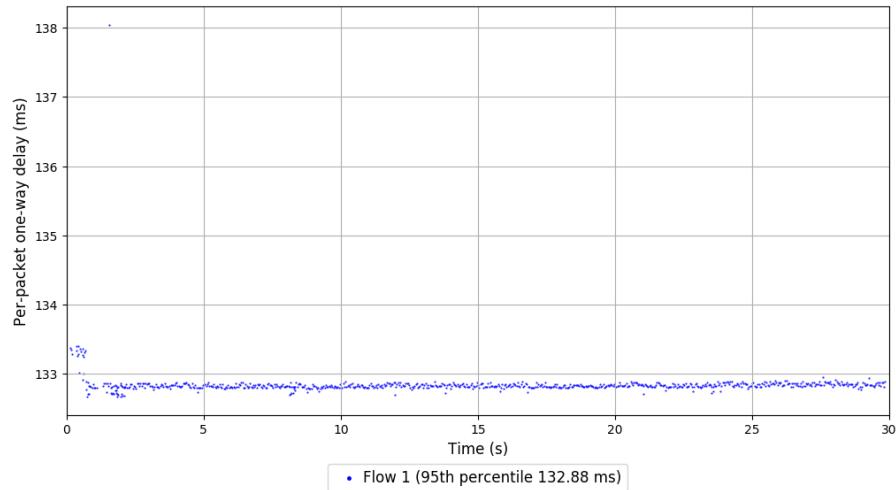
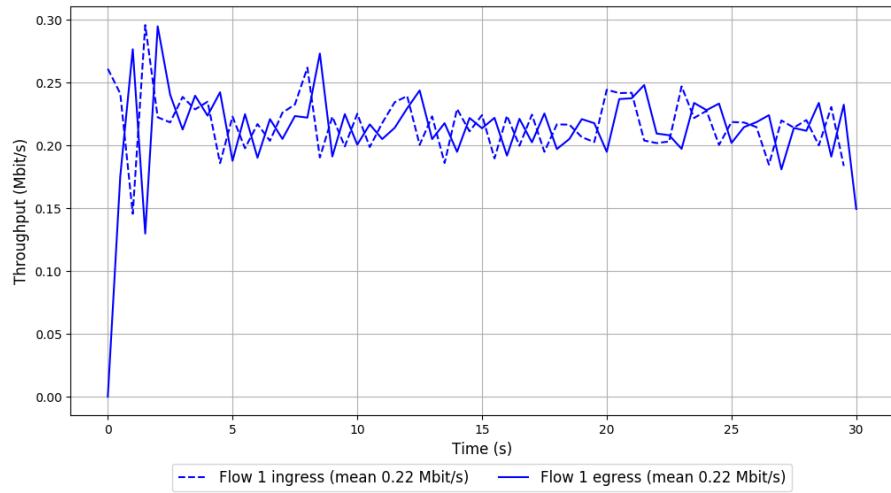


Run 4: Statistics of SCReAM

```
Start at: 2019-02-05 14:49:20
End at: 2019-02-05 14:49:50
Local clock offset: 0.365 ms
Remote clock offset: -27.868 ms

# Below is generated by plot.py at 2019-02-05 16:07:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 132.882 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 132.882 ms
Loss rate: 0.64%
```

Run 4: Report of SCReAM — Data Link

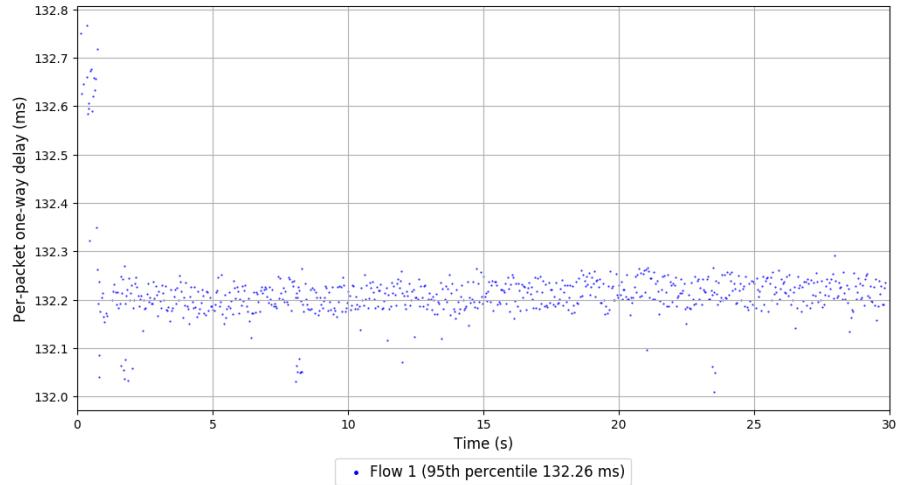
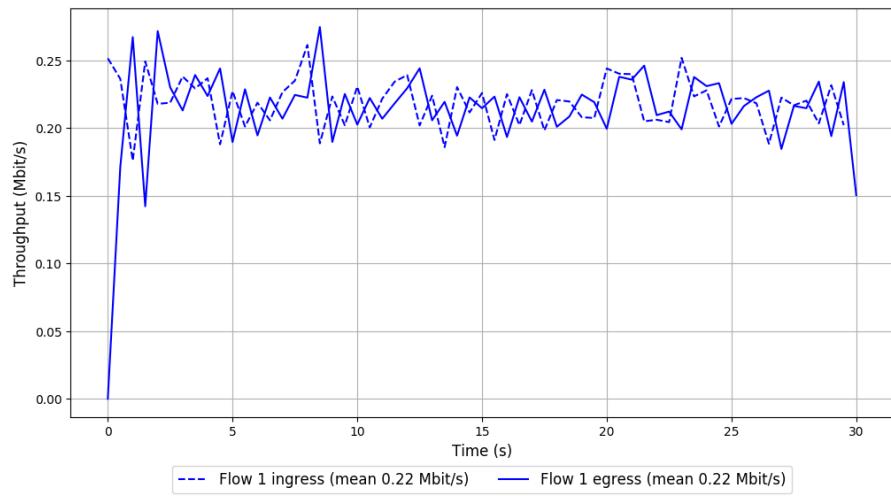


Run 5: Statistics of SCReAM

```
Start at: 2019-02-05 15:28:56
End at: 2019-02-05 15:29:26
Local clock offset: -0.196 ms
Remote clock offset: -24.441 ms

# Below is generated by plot.py at 2019-02-05 16:07:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 132.257 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 132.257 ms
Loss rate: 0.77%
```

Run 5: Report of SCReAM — Data Link

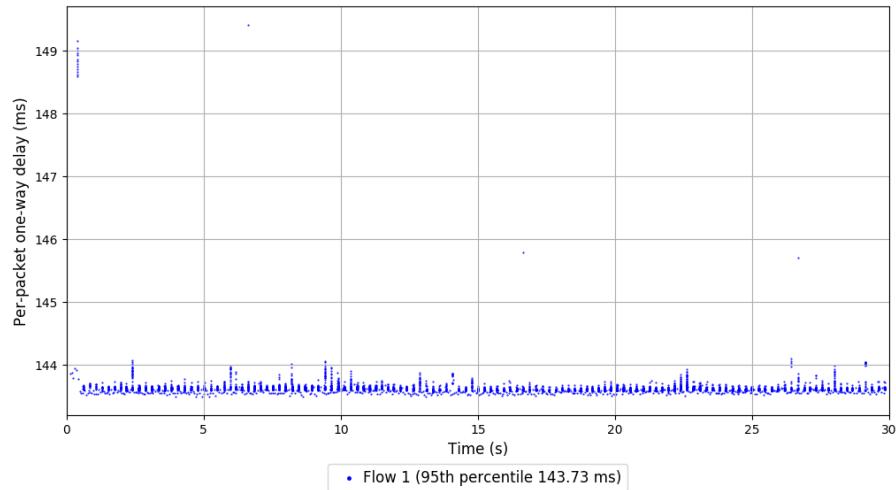
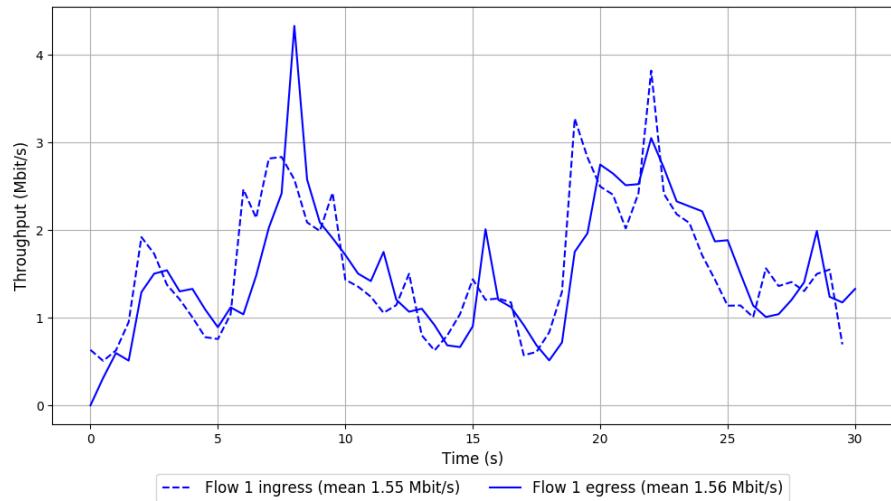


Run 1: Statistics of Sprout

```
Start at: 2019-02-05 13:07:40
End at: 2019-02-05 13:08:10
Local clock offset: 1.81 ms
Remote clock offset: -41.453 ms

# Below is generated by plot.py at 2019-02-05 16:07:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 143.733 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 1.56 Mbit/s
95th percentile per-packet one-way delay: 143.733 ms
Loss rate: 0.01%
```

Run 1: Report of Sprout — Data Link

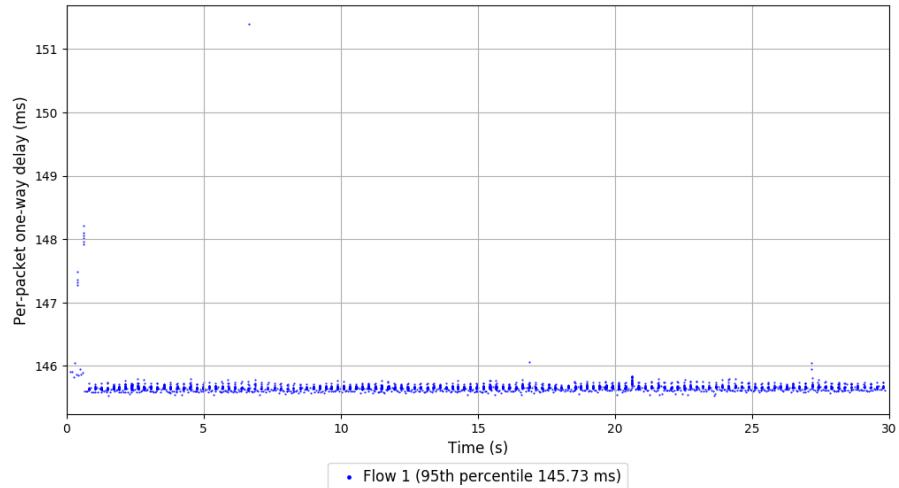
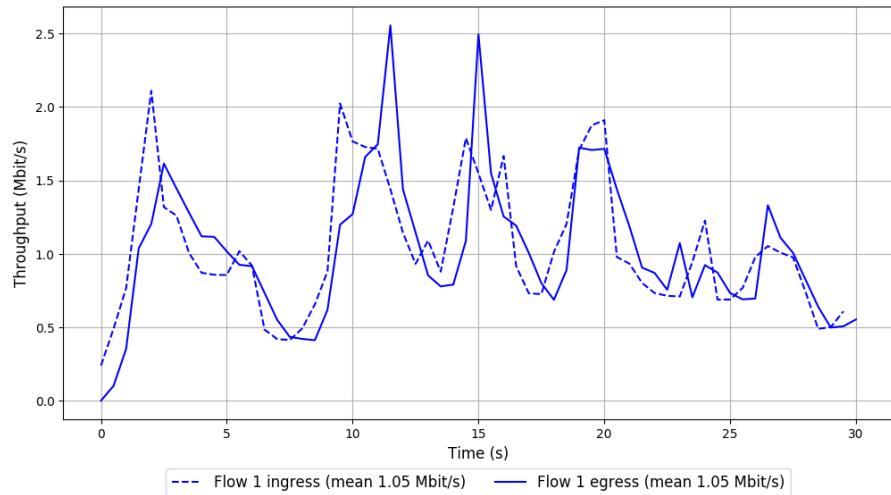


Run 2: Statistics of Sprout

```
Start at: 2019-02-05 13:42:01
End at: 2019-02-05 13:42:31
Local clock offset: 1.241 ms
Remote clock offset: -40.092 ms

# Below is generated by plot.py at 2019-02-05 16:07:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 145.726 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 1.05 Mbit/s
95th percentile per-packet one-way delay: 145.726 ms
Loss rate: 0.48%
```

Run 2: Report of Sprout — Data Link

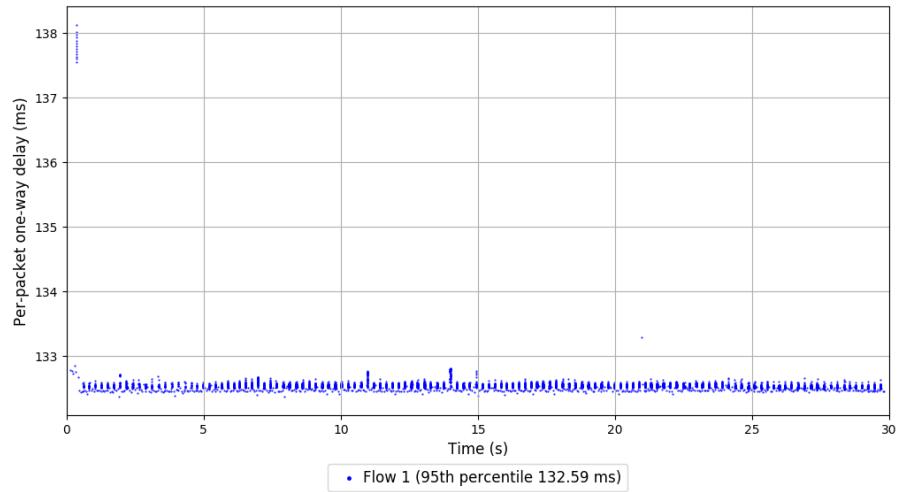
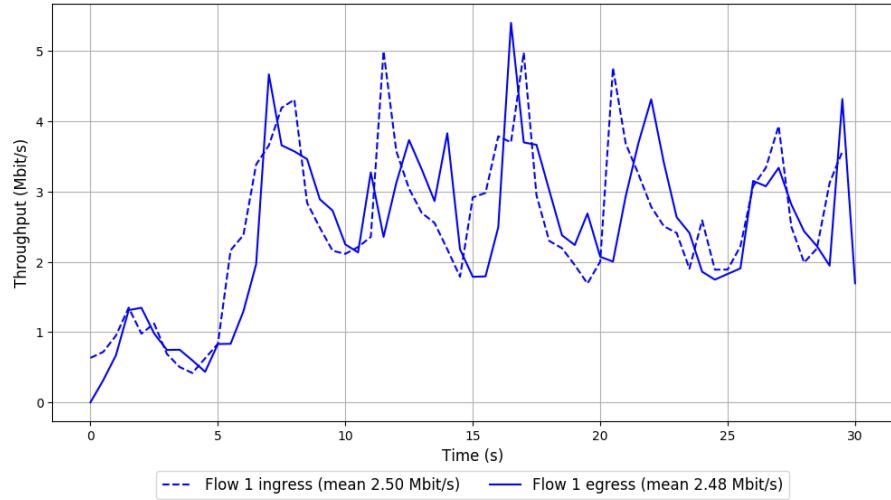


Run 3: Statistics of Sprout

```
Start at: 2019-02-05 14:16:06
End at: 2019-02-05 14:16:36
Local clock offset: -0.532 ms
Remote clock offset: -28.068 ms

# Below is generated by plot.py at 2019-02-05 16:07:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.48 Mbit/s
95th percentile per-packet one-way delay: 132.587 ms
Loss rate: 1.26%
-- Flow 1:
Average throughput: 2.48 Mbit/s
95th percentile per-packet one-way delay: 132.587 ms
Loss rate: 1.26%
```

Run 3: Report of Sprout — Data Link

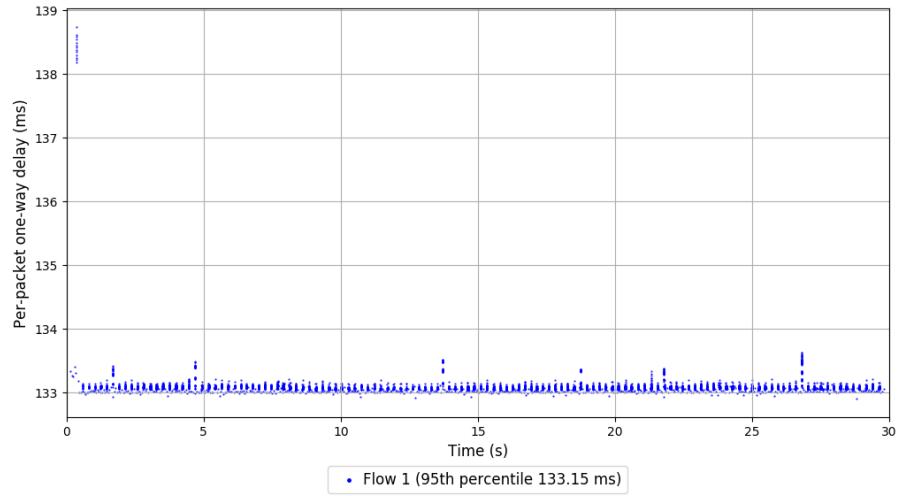
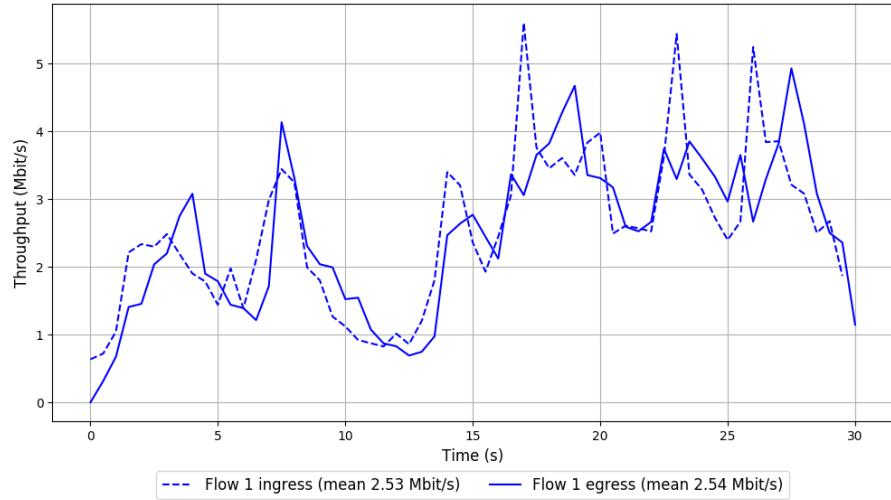


Run 4: Statistics of Sprout

```
Start at: 2019-02-05 14:44:01
End at: 2019-02-05 14:44:31
Local clock offset: 2.45 ms
Remote clock offset: -24.974 ms

# Below is generated by plot.py at 2019-02-05 16:07:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 133.145 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 2.54 Mbit/s
95th percentile per-packet one-way delay: 133.145 ms
Loss rate: 0.69%
```

Run 4: Report of Sprout — Data Link

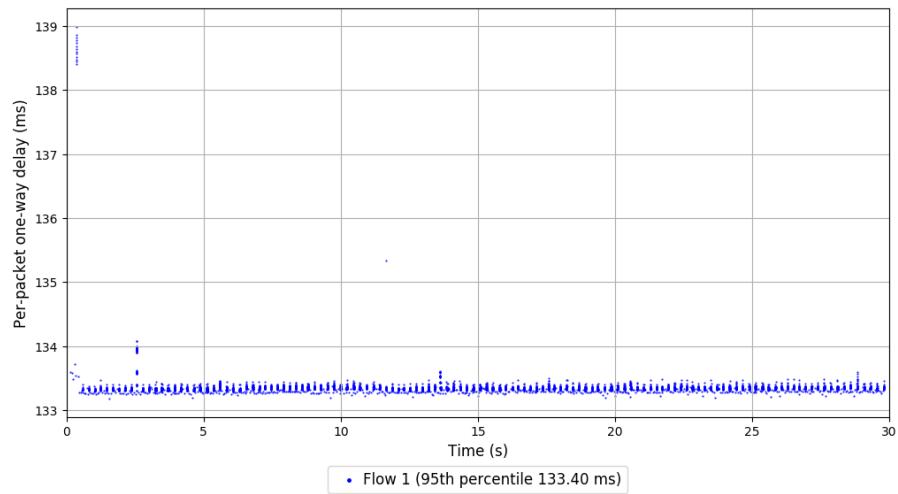
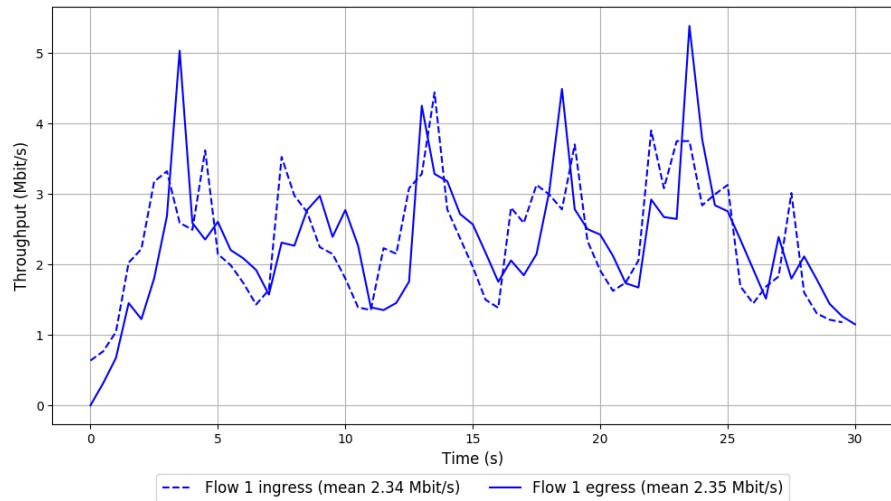


Run 5: Statistics of Sprout

```
Start at: 2019-02-05 15:23:39
End at: 2019-02-05 15:24:09
Local clock offset: -1.586 ms
Remote clock offset: -26.958 ms

# Below is generated by plot.py at 2019-02-05 16:07:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 133.401 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 2.35 Mbit/s
95th percentile per-packet one-way delay: 133.401 ms
Loss rate: 0.43%
```

Run 5: Report of Sprout — Data Link

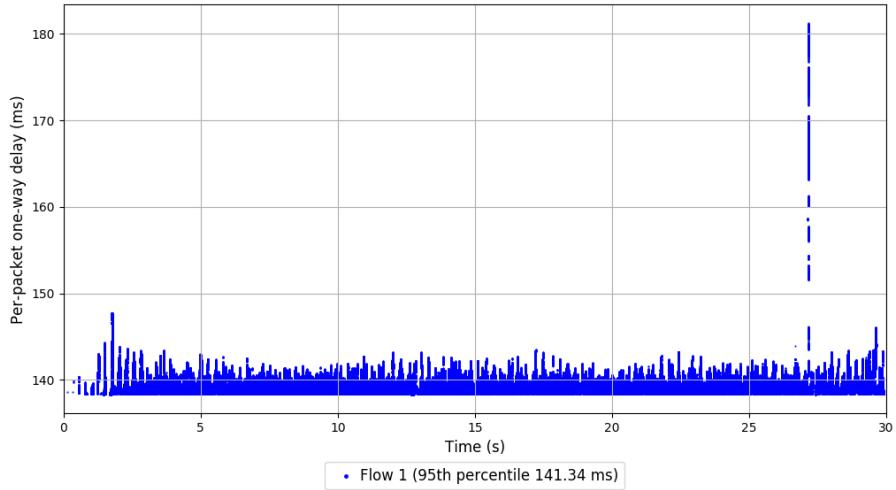
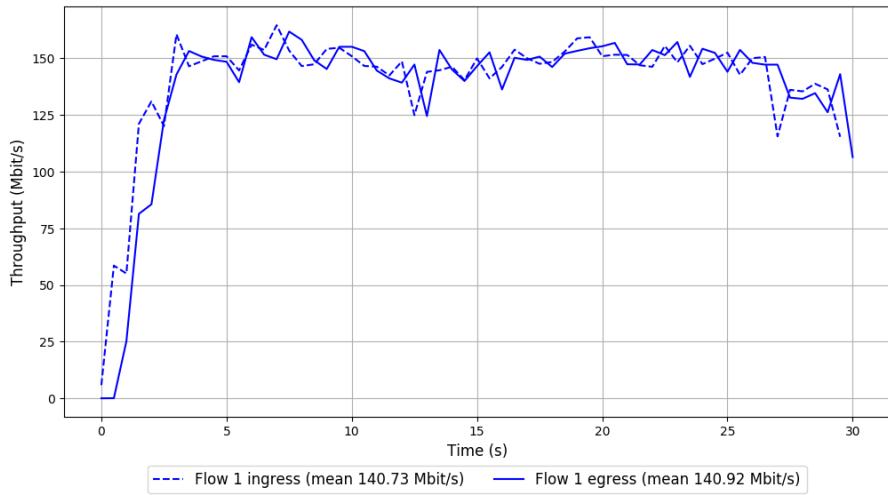


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-02-05 12:59:33
End at: 2019-02-05 13:00:03
Local clock offset: -1.441 ms
Remote clock offset: -38.619 ms

# Below is generated by plot.py at 2019-02-05 16:08:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 140.92 Mbit/s
95th percentile per-packet one-way delay: 141.340 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 140.92 Mbit/s
95th percentile per-packet one-way delay: 141.340 ms
Loss rate: 0.56%
```

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

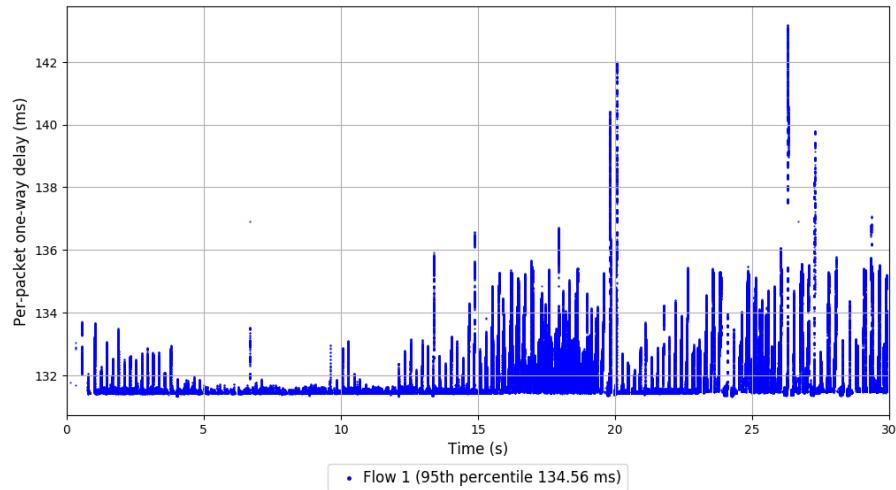
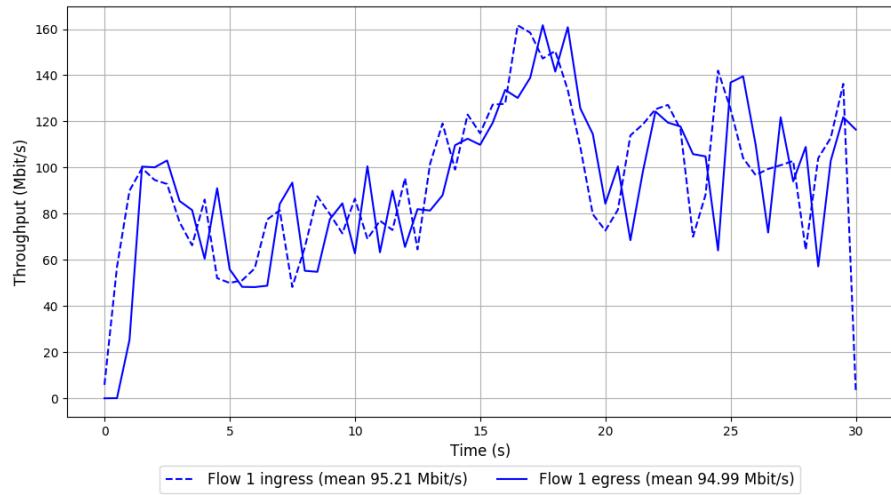


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-02-05 13:33:55
End at: 2019-02-05 13:34:25
Local clock offset: -2.542 ms
Remote clock offset: -31.855 ms

# Below is generated by plot.py at 2019-02-05 16:08:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.99 Mbit/s
95th percentile per-packet one-way delay: 134.562 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 94.99 Mbit/s
95th percentile per-packet one-way delay: 134.562 ms
Loss rate: 0.95%
```

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

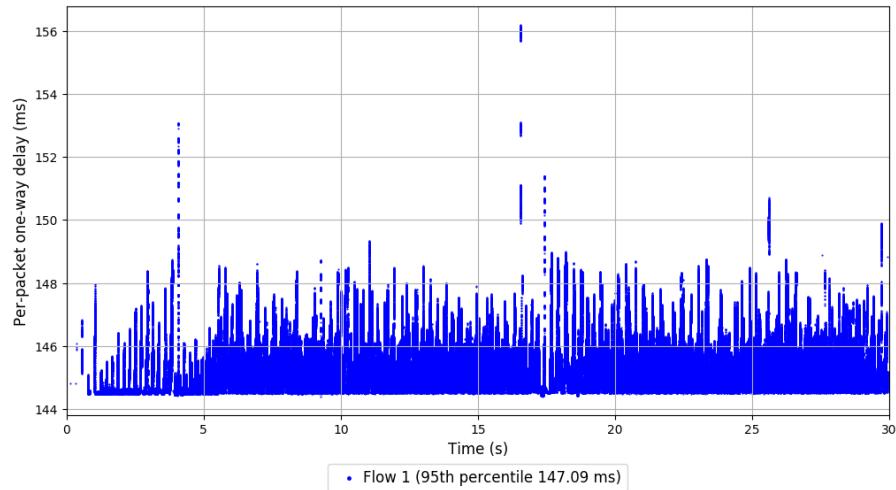
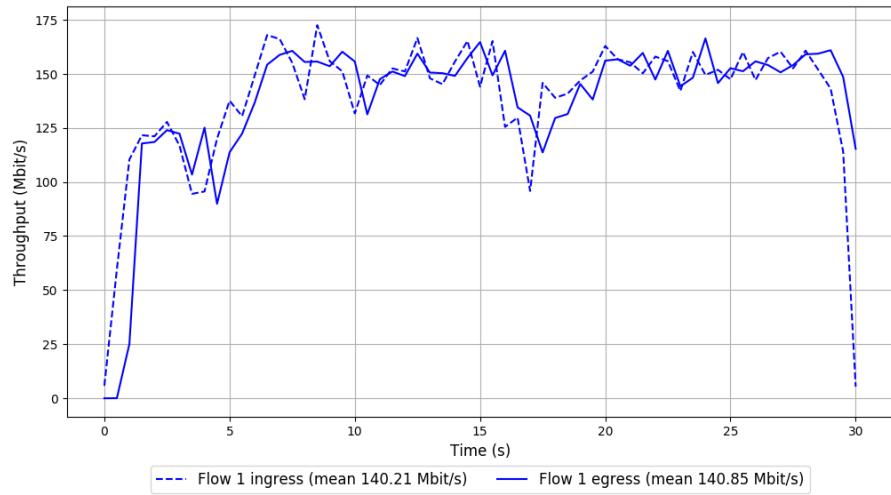


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-02-05 14:08:11
End at: 2019-02-05 14:08:41
Local clock offset: 2.88 ms
Remote clock offset: -38.647 ms

# Below is generated by plot.py at 2019-02-05 16:08:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 140.85 Mbit/s
95th percentile per-packet one-way delay: 147.095 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 140.85 Mbit/s
95th percentile per-packet one-way delay: 147.095 ms
Loss rate: 0.44%
```

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

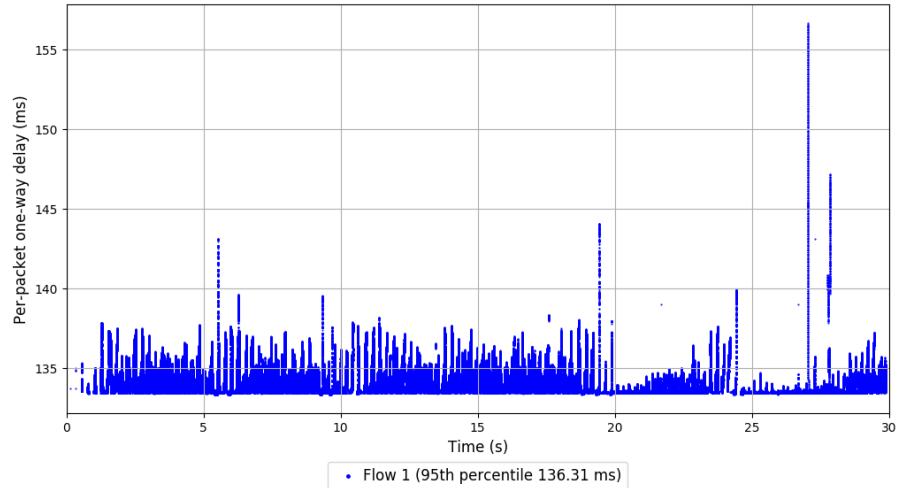
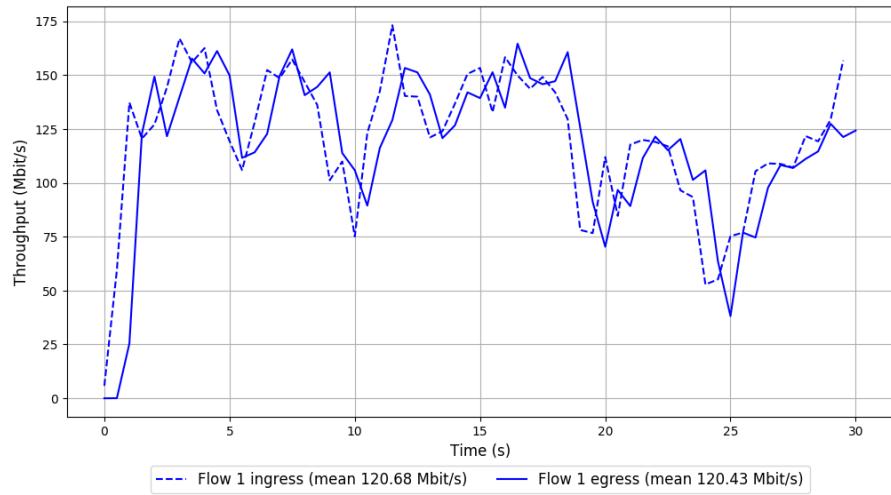


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-02-05 14:35:58
End at: 2019-02-05 14:36:28
Local clock offset: -0.464 ms
Remote clock offset: -28.269 ms

# Below is generated by plot.py at 2019-02-05 16:08:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 120.43 Mbit/s
95th percentile per-packet one-way delay: 136.306 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 120.43 Mbit/s
95th percentile per-packet one-way delay: 136.306 ms
Loss rate: 0.92%
```

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

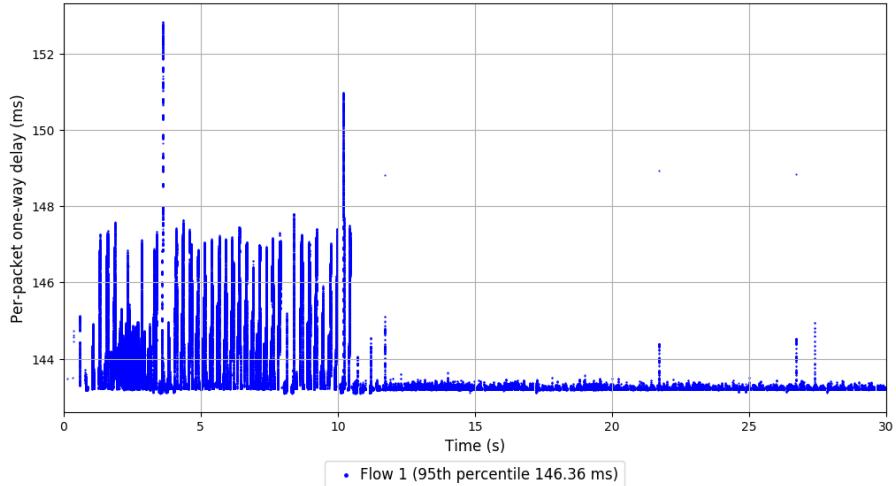
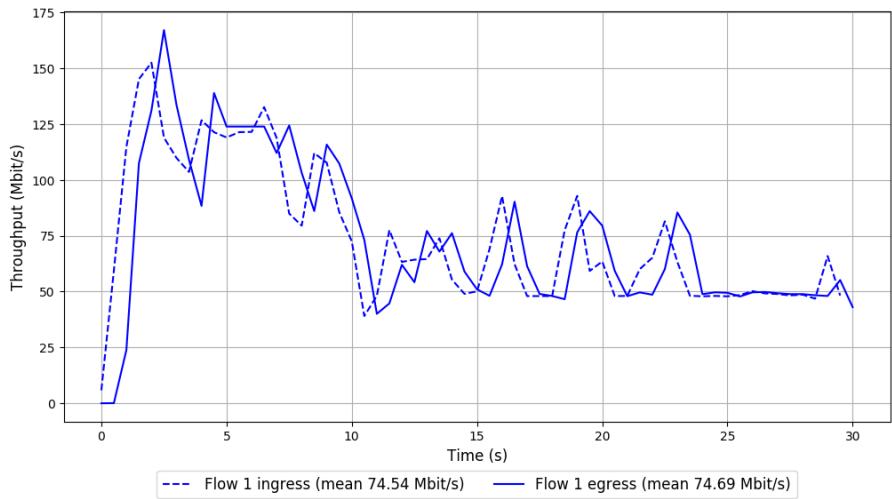


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-02-05 15:09:46
End at: 2019-02-05 15:10:17
Local clock offset: 0.719 ms
Remote clock offset: -36.975 ms

# Below is generated by plot.py at 2019-02-05 16:08:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.69 Mbit/s
95th percentile per-packet one-way delay: 146.359 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 74.69 Mbit/s
95th percentile per-packet one-way delay: 146.359 ms
Loss rate: 0.46%
```

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

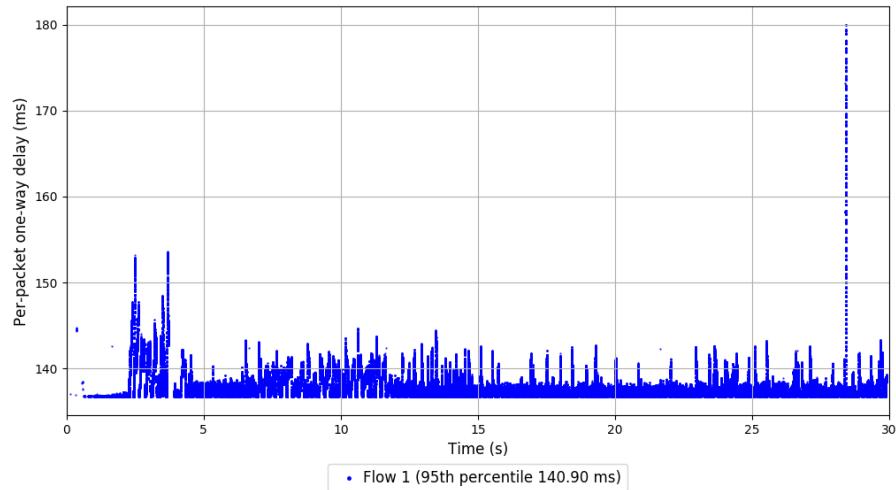
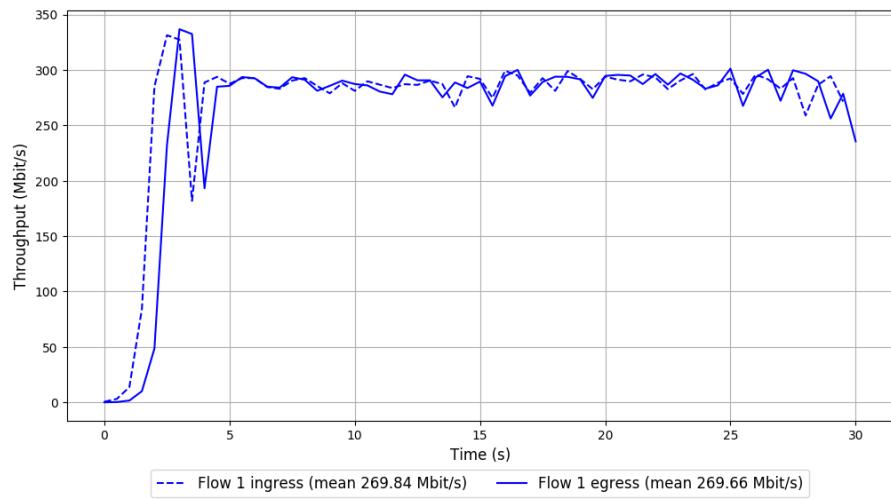


Run 1: Statistics of TCP Vegas

```
Start at: 2019-02-05 13:11:40
End at: 2019-02-05 13:12:10
Local clock offset: -1.469 ms
Remote clock offset: -37.69 ms

# Below is generated by plot.py at 2019-02-05 16:09:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 269.66 Mbit/s
95th percentile per-packet one-way delay: 140.904 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 269.66 Mbit/s
95th percentile per-packet one-way delay: 140.904 ms
Loss rate: 0.75%
```

Run 1: Report of TCP Vegas — Data Link

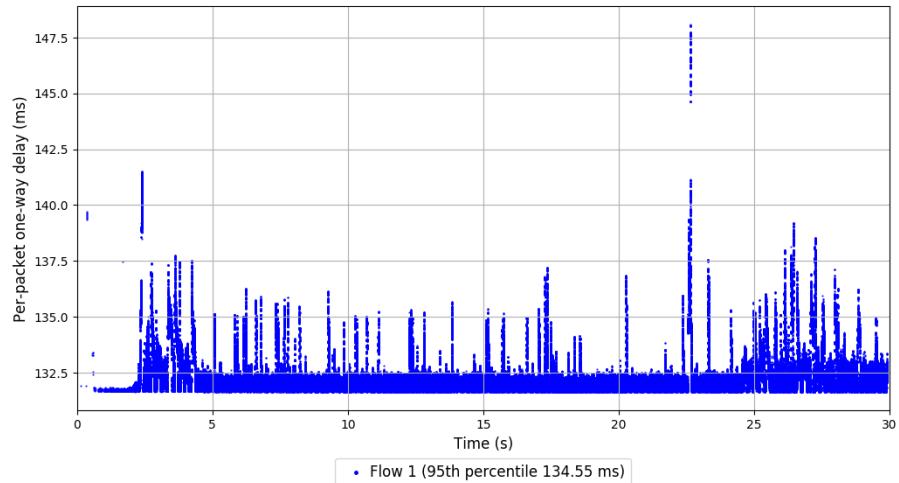
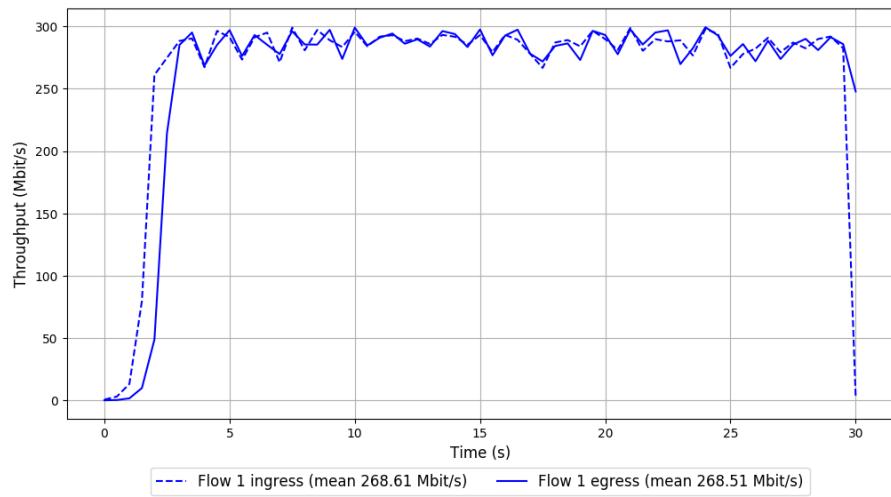


Run 2: Statistics of TCP Vegas

```
Start at: 2019-02-05 13:46:06
End at: 2019-02-05 13:46:36
Local clock offset: -2.288 ms
Remote clock offset: -31.27 ms

# Below is generated by plot.py at 2019-02-05 16:09:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 268.51 Mbit/s
95th percentile per-packet one-way delay: 134.547 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 268.51 Mbit/s
95th percentile per-packet one-way delay: 134.547 ms
Loss rate: 0.74%
```

Run 2: Report of TCP Vegas — Data Link

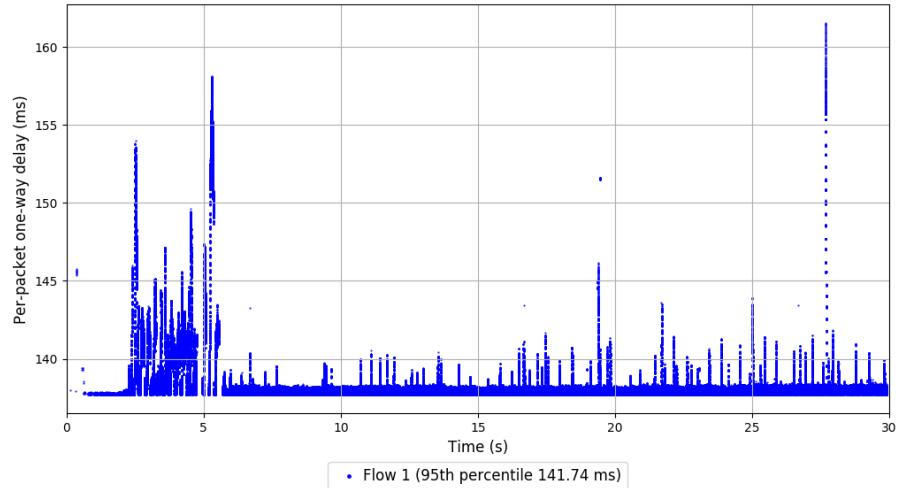
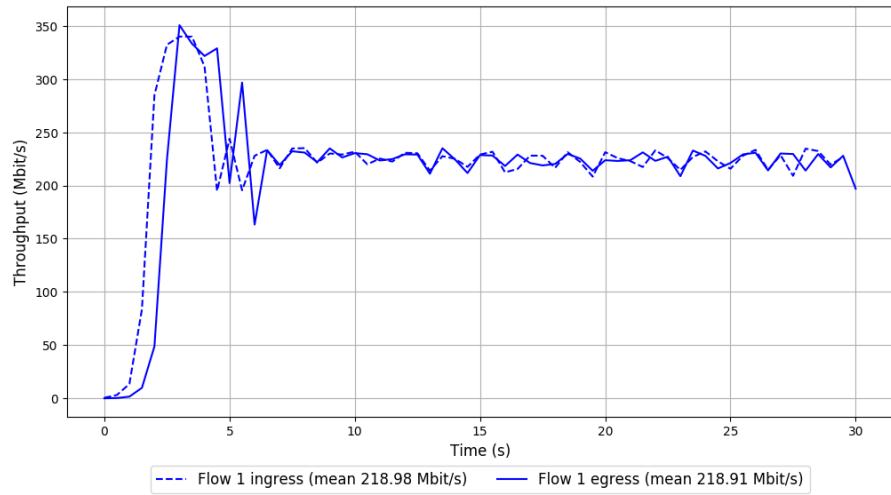


Run 3: Statistics of TCP Vegas

```
Start at: 2019-02-05 14:20:07
End at: 2019-02-05 14:20:37
Local clock offset: 0.173 ms
Remote clock offset: -34.26 ms

# Below is generated by plot.py at 2019-02-05 16:09:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.91 Mbit/s
95th percentile per-packet one-way delay: 141.742 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 218.91 Mbit/s
95th percentile per-packet one-way delay: 141.742 ms
Loss rate: 0.72%
```

Run 3: Report of TCP Vegas — Data Link

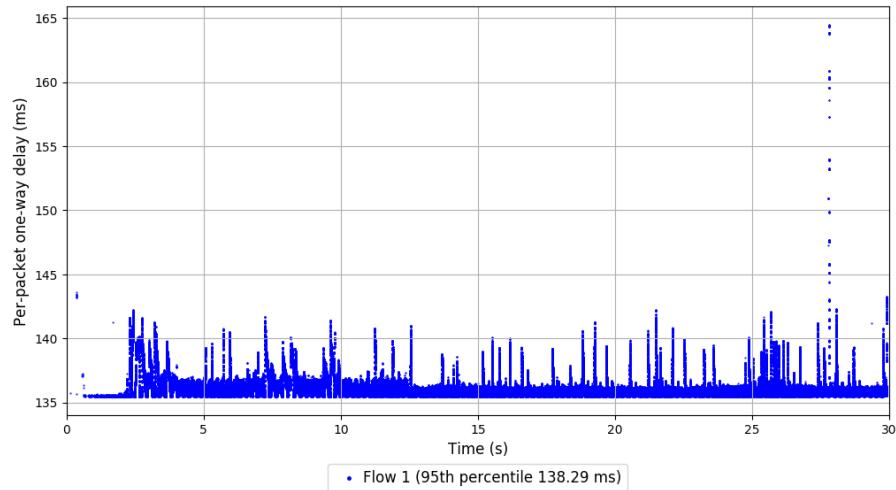
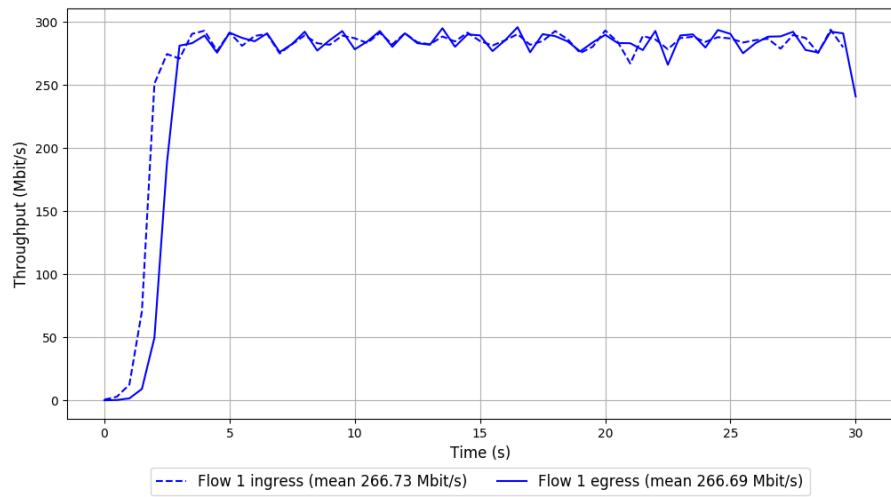


Run 4: Statistics of TCP Vegas

```
Start at: 2019-02-05 14:47:56
End at: 2019-02-05 14:48:26
Local clock offset: 2.086 ms
Remote clock offset: -27.527 ms

# Below is generated by plot.py at 2019-02-05 16:10:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 266.69 Mbit/s
95th percentile per-packet one-way delay: 138.290 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 266.69 Mbit/s
95th percentile per-packet one-way delay: 138.290 ms
Loss rate: 0.71%
```

Run 4: Report of TCP Vegas — Data Link

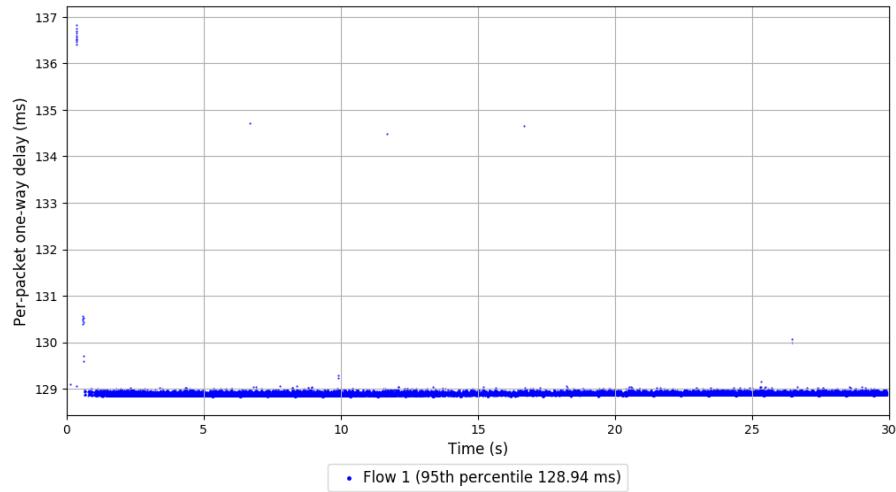
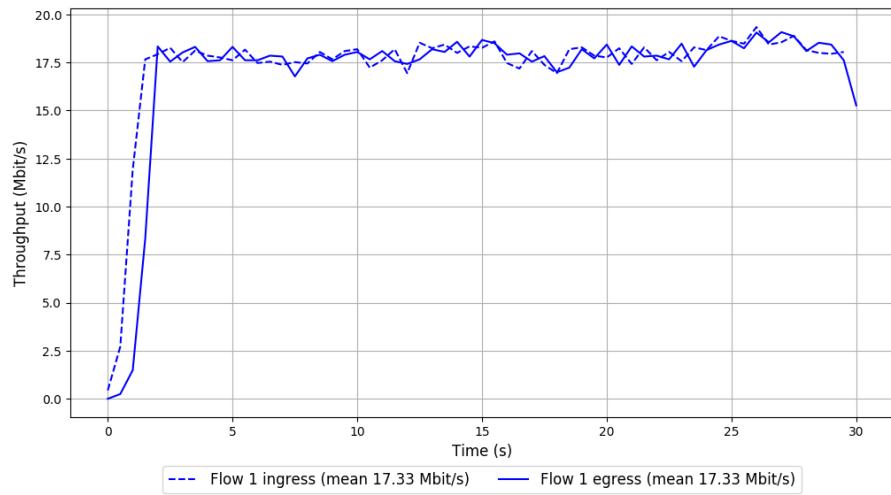


Run 5: Statistics of TCP Vegas

```
Start at: 2019-02-05 15:27:43
End at: 2019-02-05 15:28:13
Local clock offset: -0.851 ms
Remote clock offset: -21.521 ms

# Below is generated by plot.py at 2019-02-05 16:10:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 17.33 Mbit/s
95th percentile per-packet one-way delay: 128.939 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 17.33 Mbit/s
95th percentile per-packet one-way delay: 128.939 ms
Loss rate: 0.72%
```

Run 5: Report of TCP Vegas — Data Link

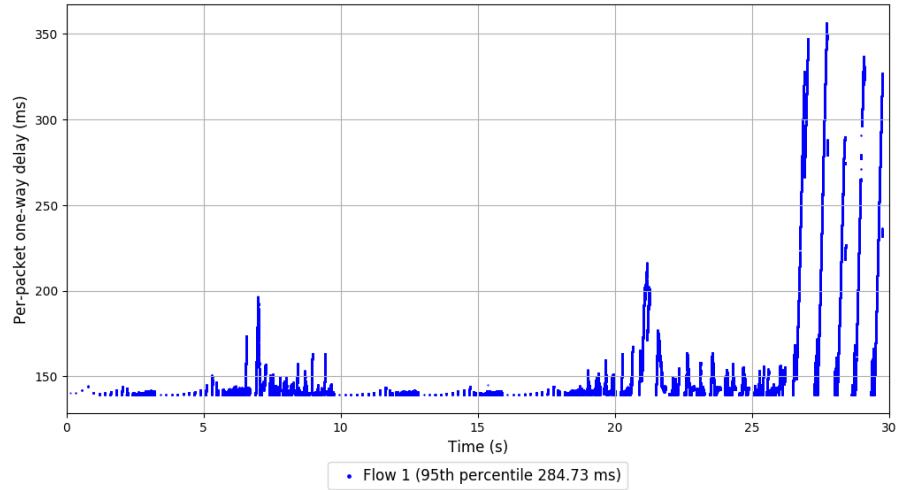
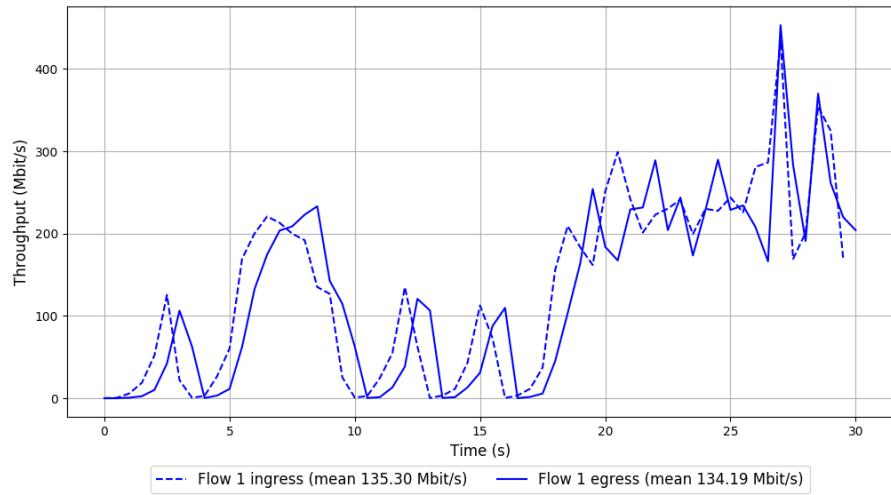


Run 1: Statistics of Verus

```
Start at: 2019-02-05 13:03:47
End at: 2019-02-05 13:04:17
Local clock offset: -2.125 ms
Remote clock offset: -39.893 ms

# Below is generated by plot.py at 2019-02-05 16:10:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.19 Mbit/s
95th percentile per-packet one-way delay: 284.733 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 134.19 Mbit/s
95th percentile per-packet one-way delay: 284.733 ms
Loss rate: 2.02%
```

Run 1: Report of Verus — Data Link

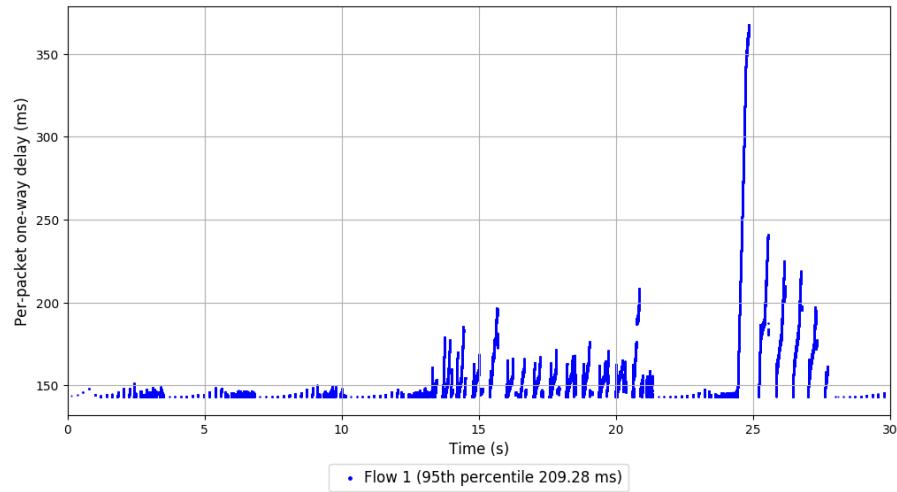
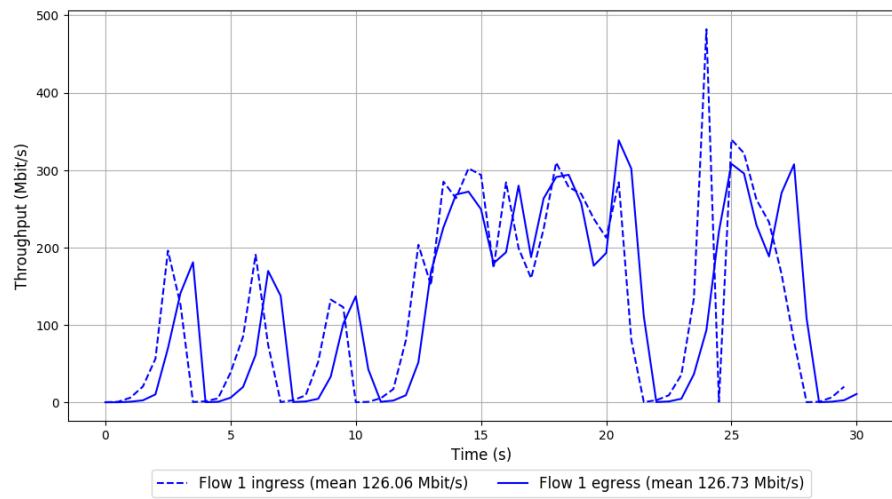


Run 2: Statistics of Verus

```
Start at: 2019-02-05 13:38:08
End at: 2019-02-05 13:38:38
Local clock offset: 0.023 ms
Remote clock offset: -39.446 ms

# Below is generated by plot.py at 2019-02-05 16:10:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 126.73 Mbit/s
95th percentile per-packet one-way delay: 209.278 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 126.73 Mbit/s
95th percentile per-packet one-way delay: 209.278 ms
Loss rate: 0.19%
```

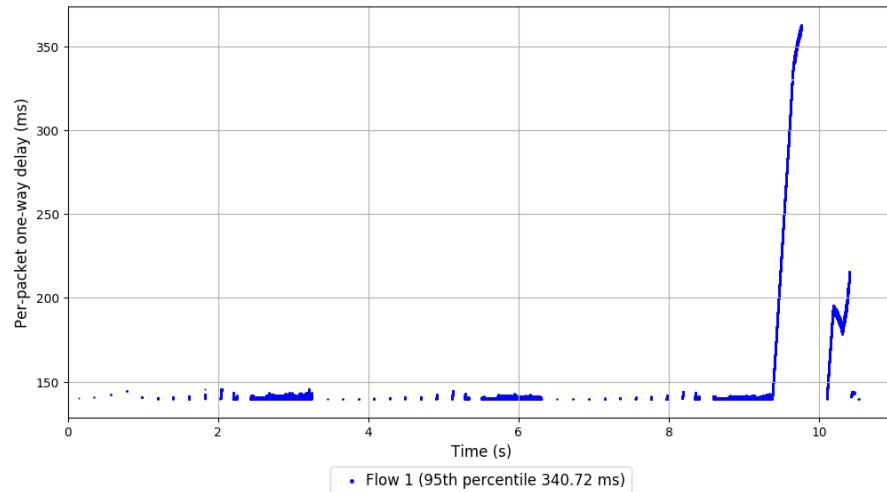
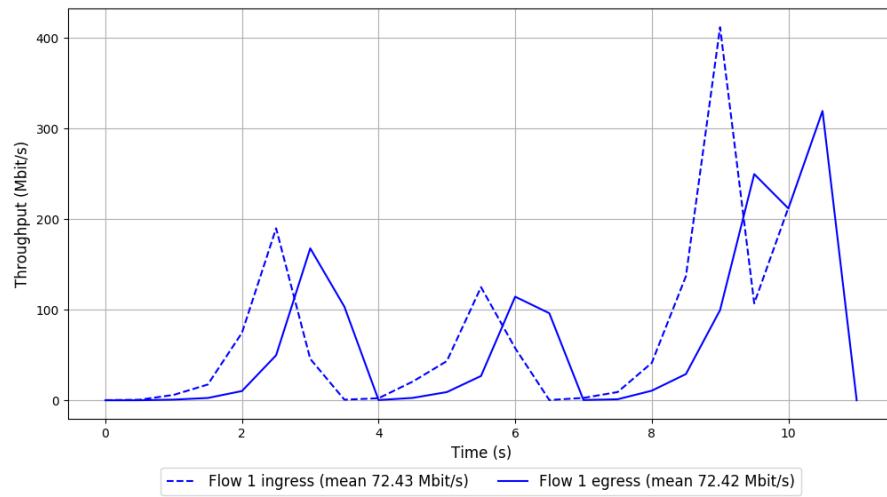
Run 2: Report of Verus — Data Link



Run 3: Statistics of Verus

Start at: 2019-02-05 14:12:23
End at: 2019-02-05 14:12:53
Local clock offset: 1.397 ms
Remote clock offset: -35.323 ms

Run 3: Report of Verus — Data Link

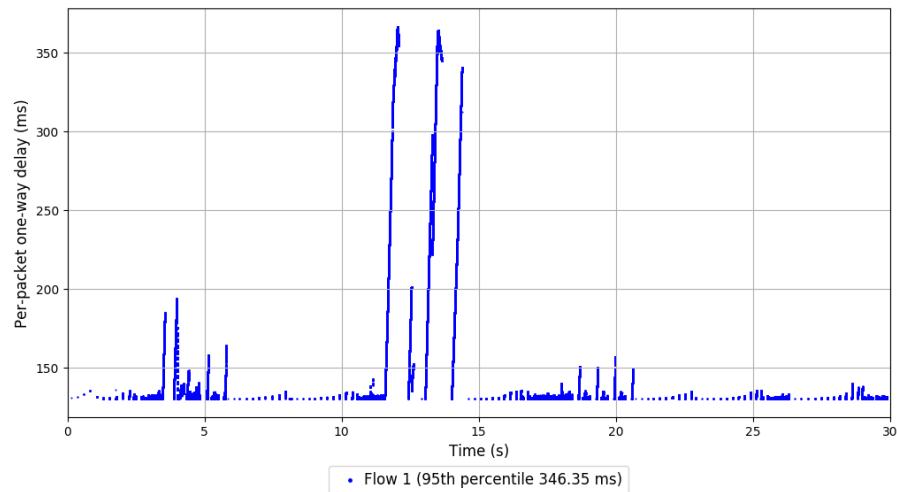
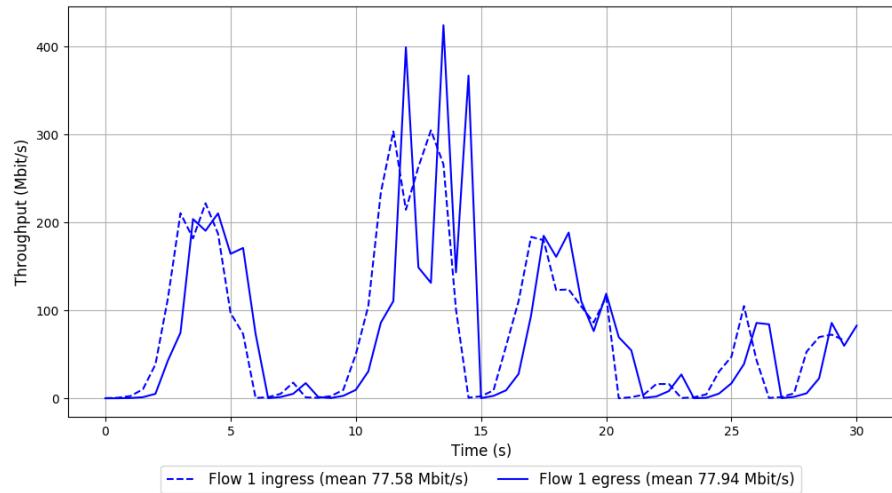


Run 4: Statistics of Verus

```
Start at: 2019-02-05 14:40:15
End at: 2019-02-05 14:40:45
Local clock offset: -1.348 ms
Remote clock offset: -25.983 ms

# Below is generated by plot.py at 2019-02-05 16:10:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.94 Mbit/s
95th percentile per-packet one-way delay: 346.350 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 77.94 Mbit/s
95th percentile per-packet one-way delay: 346.350 ms
Loss rate: 0.23%
```

Run 4: Report of Verus — Data Link

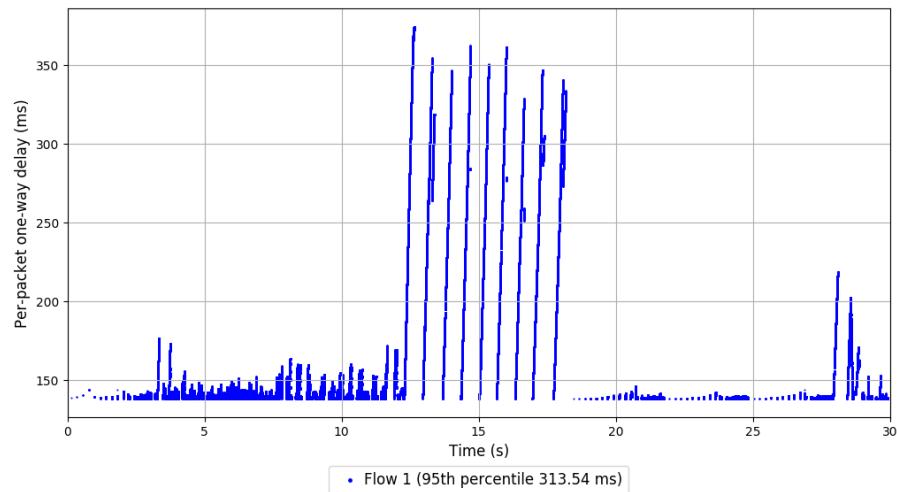
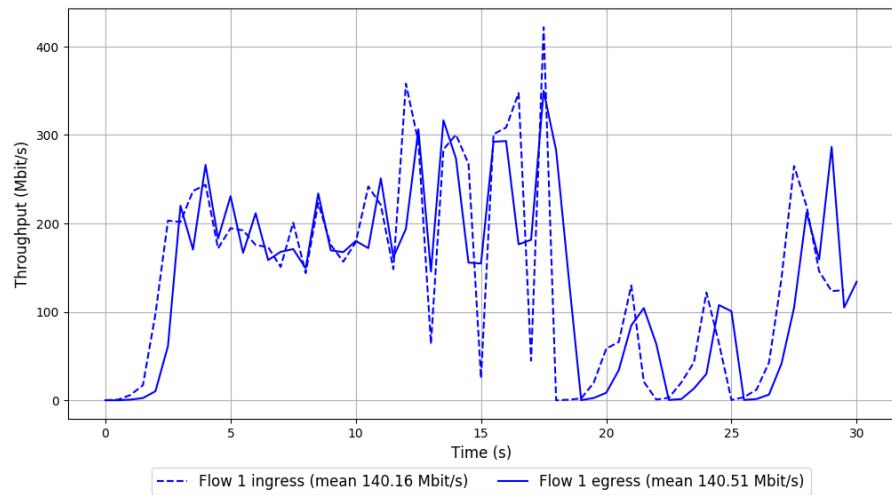


Run 5: Statistics of Verus

```
Start at: 2019-02-05 15:19:38
End at: 2019-02-05 15:20:08
Local clock offset: 0.924 ms
Remote clock offset: -29.786 ms

# Below is generated by plot.py at 2019-02-05 16:10:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 140.51 Mbit/s
95th percentile per-packet one-way delay: 313.539 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 140.51 Mbit/s
95th percentile per-packet one-way delay: 313.539 ms
Loss rate: 0.30%
```

Run 5: Report of Verus — Data Link

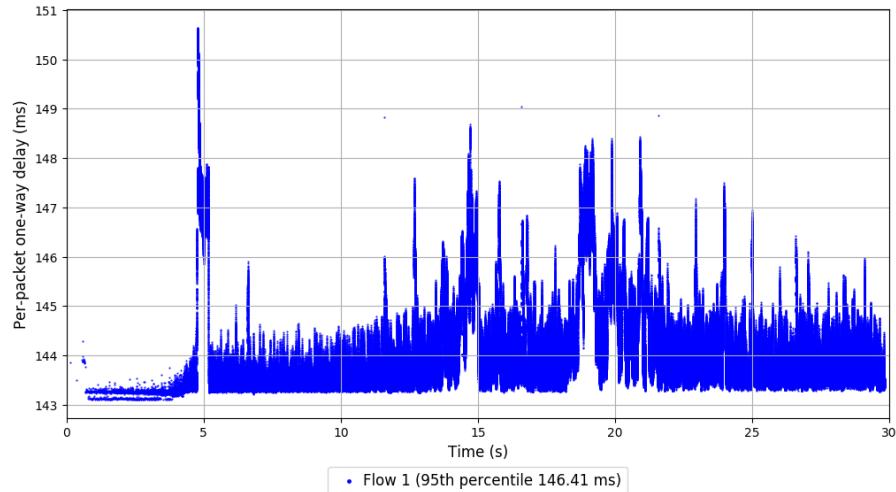
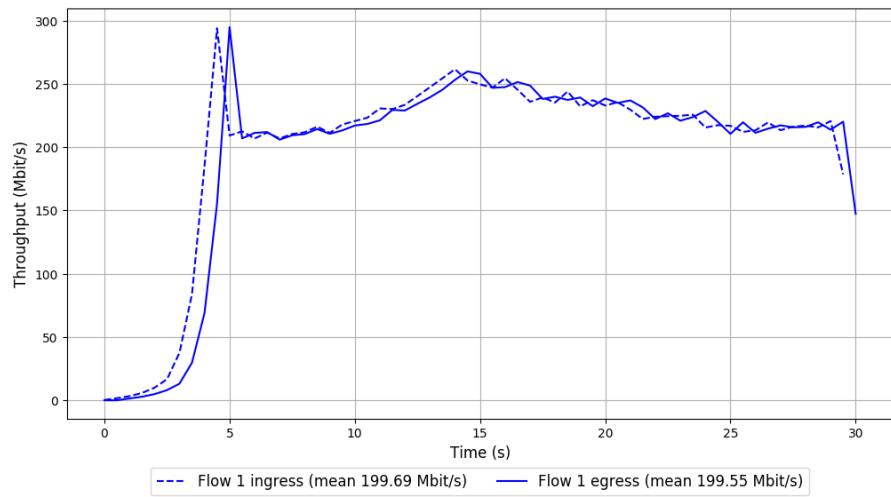


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-02-05 12:52:38
End at: 2019-02-05 12:53:08
Local clock offset: -0.042 ms
Remote clock offset: -42.392 ms

# Below is generated by plot.py at 2019-02-05 16:10:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 199.55 Mbit/s
95th percentile per-packet one-way delay: 146.407 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 199.55 Mbit/s
95th percentile per-packet one-way delay: 146.407 ms
Loss rate: 0.78%
```

Run 1: Report of PCC-Vivace — Data Link

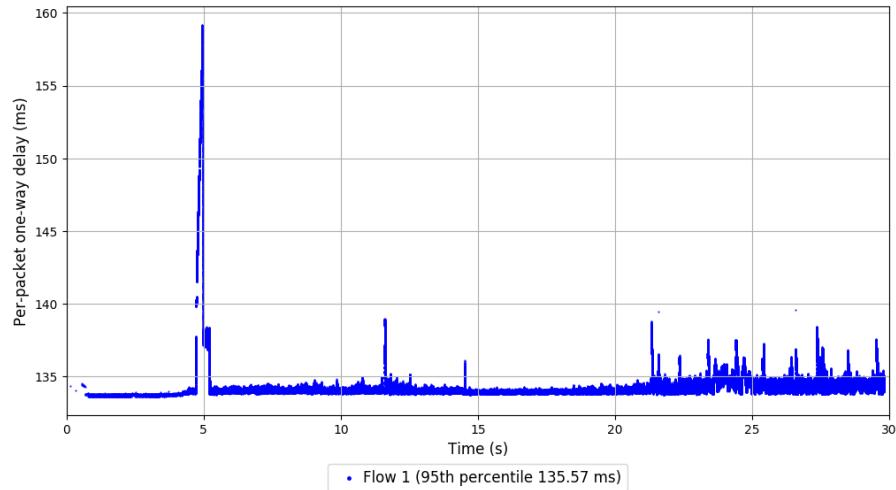
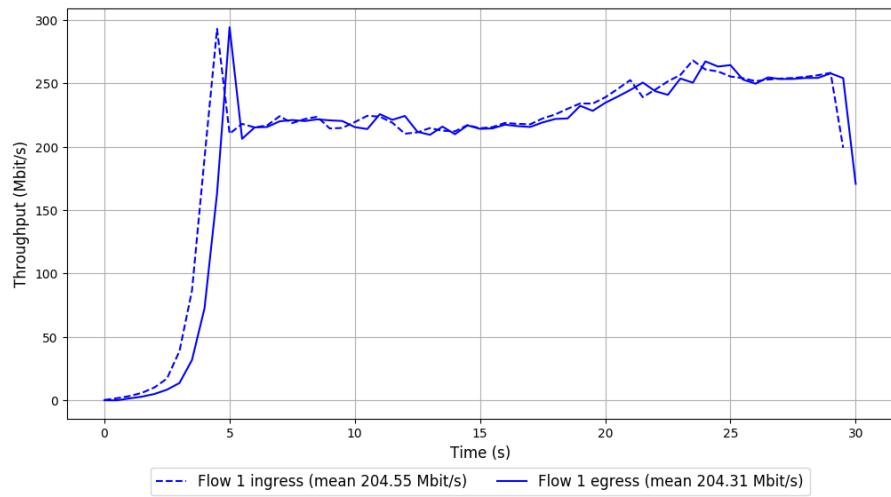


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-02-05 13:26:54
End at: 2019-02-05 13:27:24
Local clock offset: -0.041 ms
Remote clock offset: -32.252 ms

# Below is generated by plot.py at 2019-02-05 16:10:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.31 Mbit/s
95th percentile per-packet one-way delay: 135.566 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 204.31 Mbit/s
95th percentile per-packet one-way delay: 135.566 ms
Loss rate: 0.82%
```

Run 2: Report of PCC-Vivace — Data Link

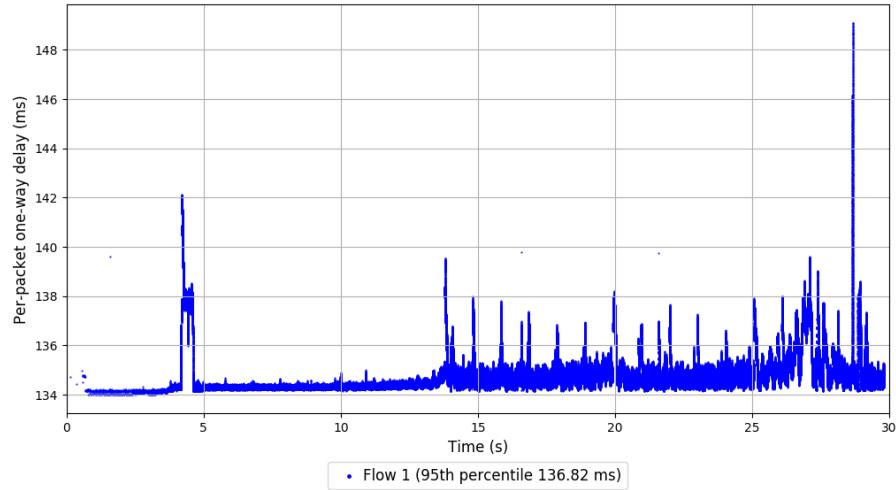
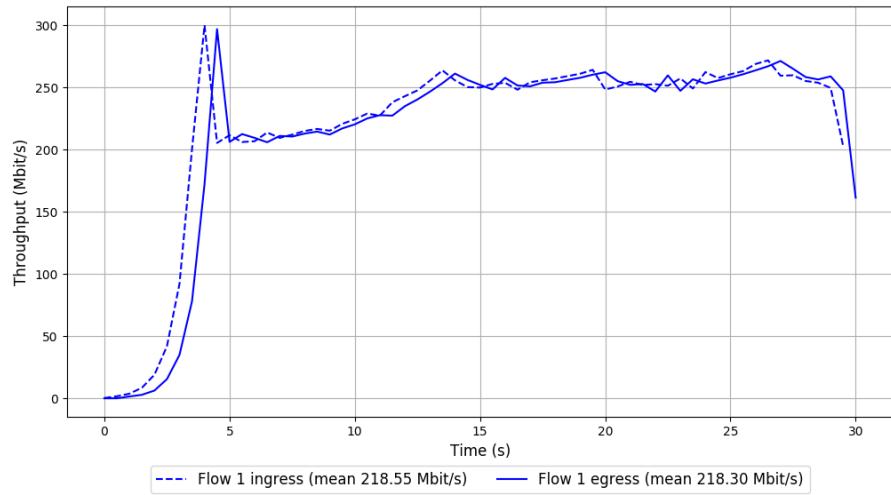


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-02-05 14:01:11
End at: 2019-02-05 14:01:41
Local clock offset: 0.597 ms
Remote clock offset: -29.151 ms

# Below is generated by plot.py at 2019-02-05 16:10:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.30 Mbit/s
95th percentile per-packet one-way delay: 136.818 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 218.30 Mbit/s
95th percentile per-packet one-way delay: 136.818 ms
Loss rate: 0.81%
```

Run 3: Report of PCC-Vivace — Data Link

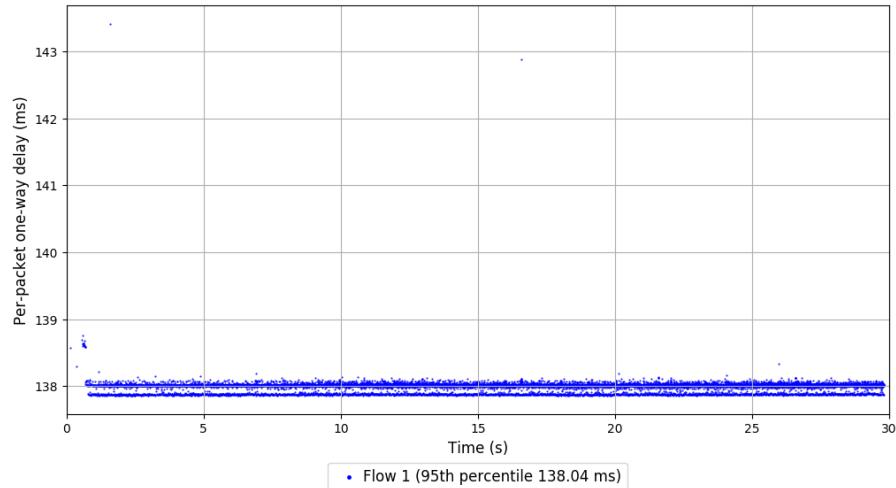
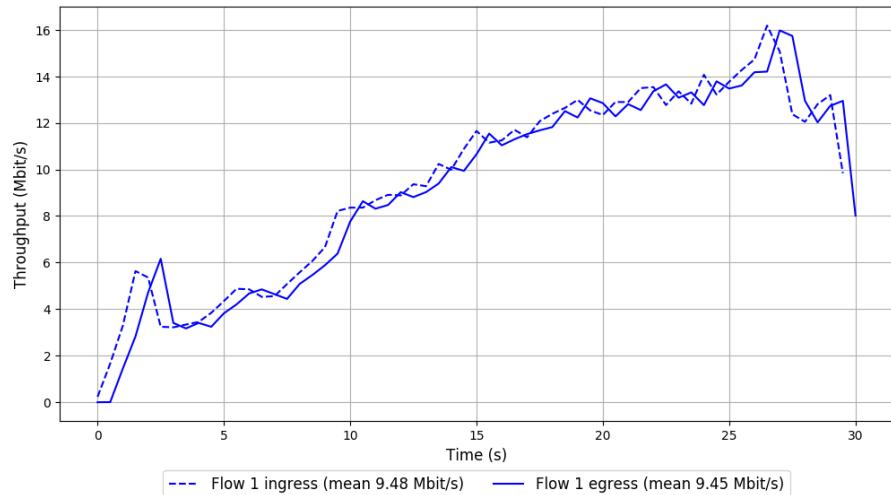


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-02-05 14:29:10
End at: 2019-02-05 14:29:40
Local clock offset: 0.372 ms
Remote clock offset: -32.326 ms

# Below is generated by plot.py at 2019-02-05 16:10:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.45 Mbit/s
95th percentile per-packet one-way delay: 138.038 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 9.45 Mbit/s
95th percentile per-packet one-way delay: 138.038 ms
Loss rate: 0.97%
```

Run 4: Report of PCC-Vivace — Data Link

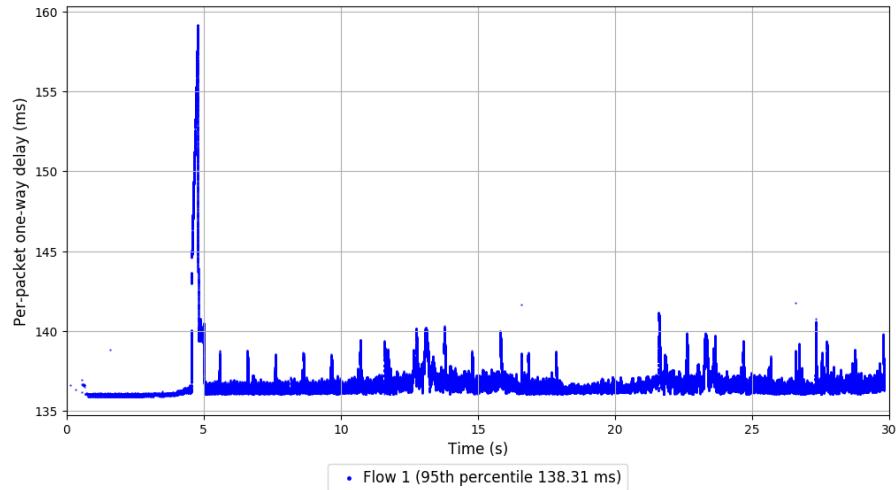
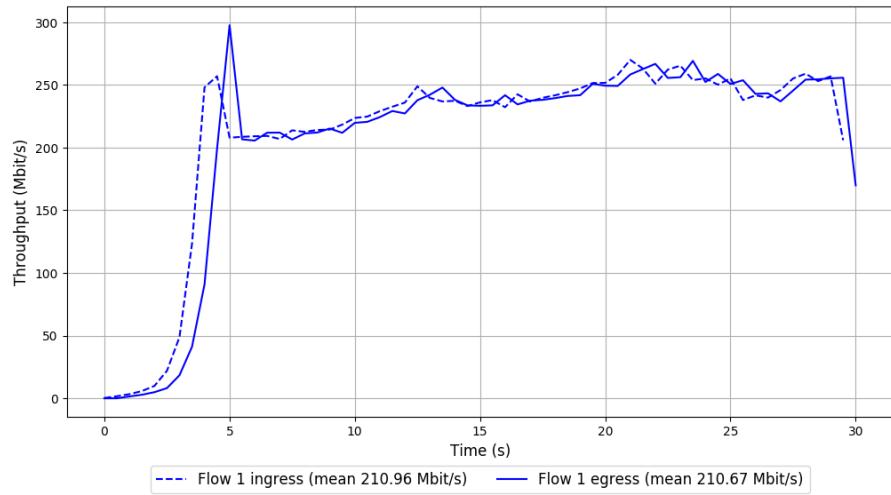


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-02-05 14:57:11
End at: 2019-02-05 14:57:41
Local clock offset: -0.253 ms
Remote clock offset: -29.986 ms

# Below is generated by plot.py at 2019-02-05 16:11:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 210.67 Mbit/s
95th percentile per-packet one-way delay: 138.311 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 210.67 Mbit/s
95th percentile per-packet one-way delay: 138.311 ms
Loss rate: 0.84%
```

Run 5: Report of PCC-Vivace — Data Link

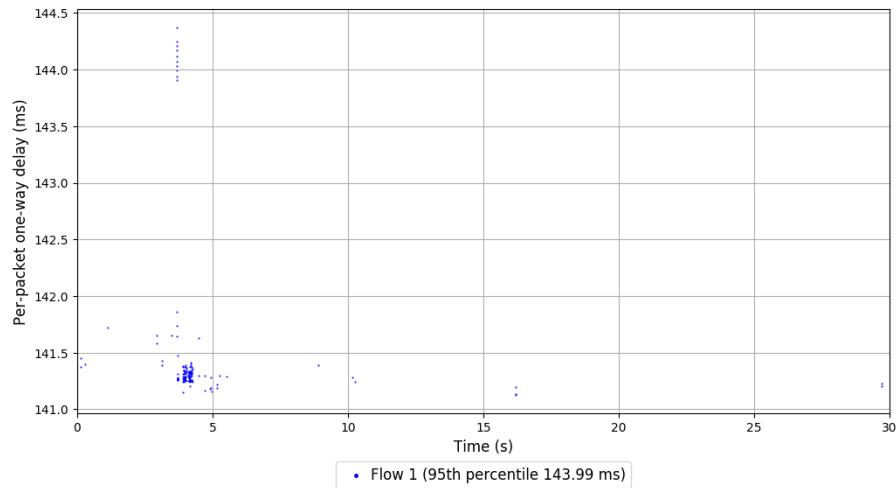
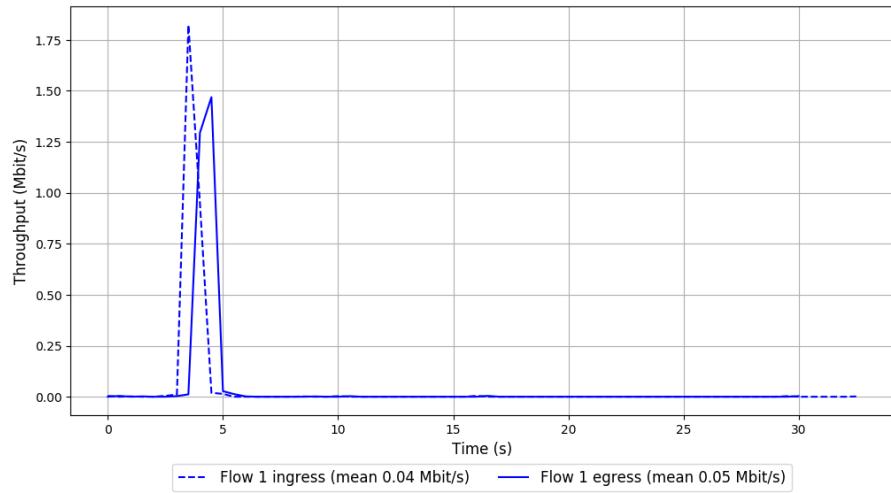


```
Run 1: Statistics of WebRTC media

Start at: 2019-02-05 13:06:29
End at: 2019-02-05 13:06:59
Local clock offset: 0.207 ms
Remote clock offset: -38.974 ms

# Below is generated by plot.py at 2019-02-05 16:11:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 143.992 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 143.992 ms
Loss rate: 0.05%
```

Run 1: Report of WebRTC media — Data Link

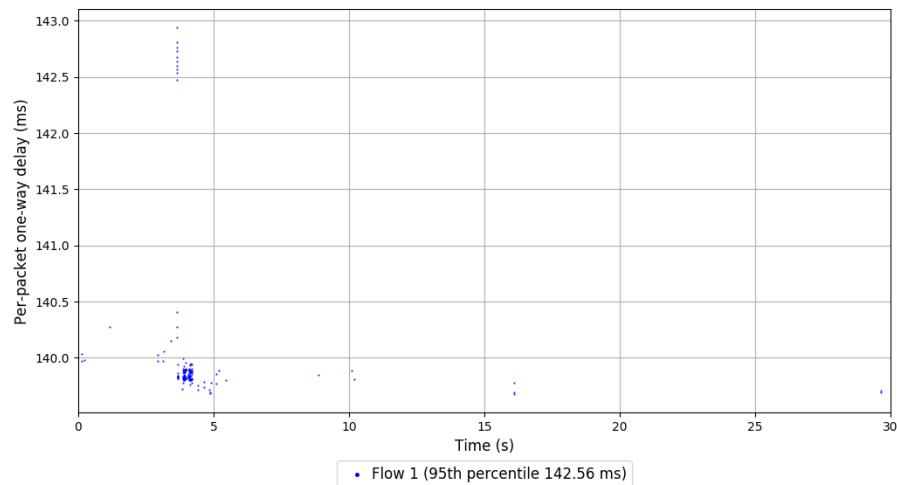
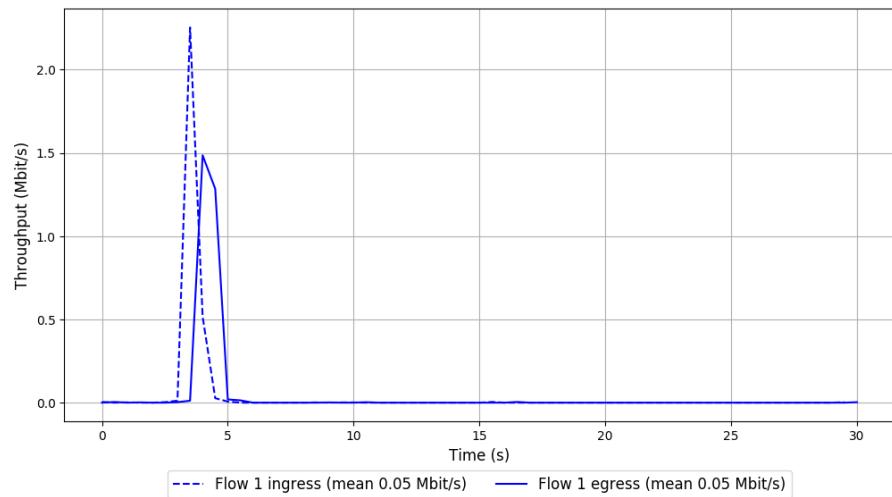


Run 2: Statistics of WebRTC media

```
Start at: 2019-02-05 13:40:51
End at: 2019-02-05 13:41:21
Local clock offset: -0.473 ms
Remote clock offset: -37.737 ms

# Below is generated by plot.py at 2019-02-05 16:11:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 142.564 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 142.564 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

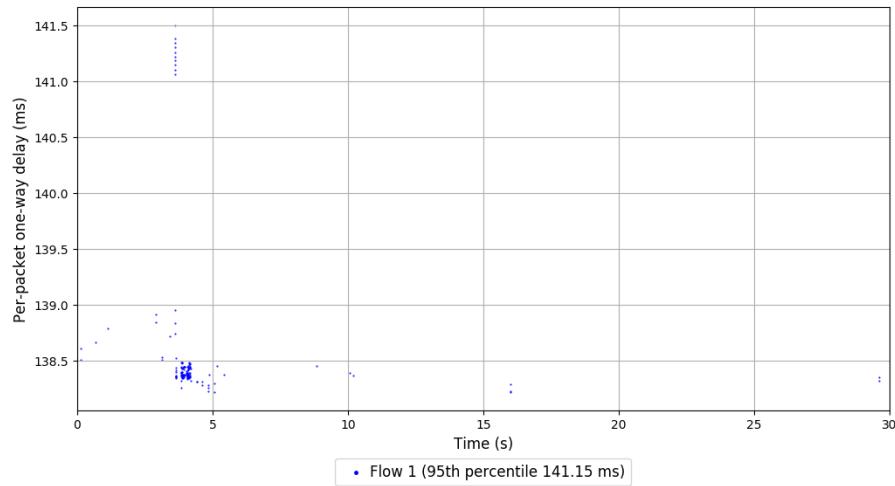
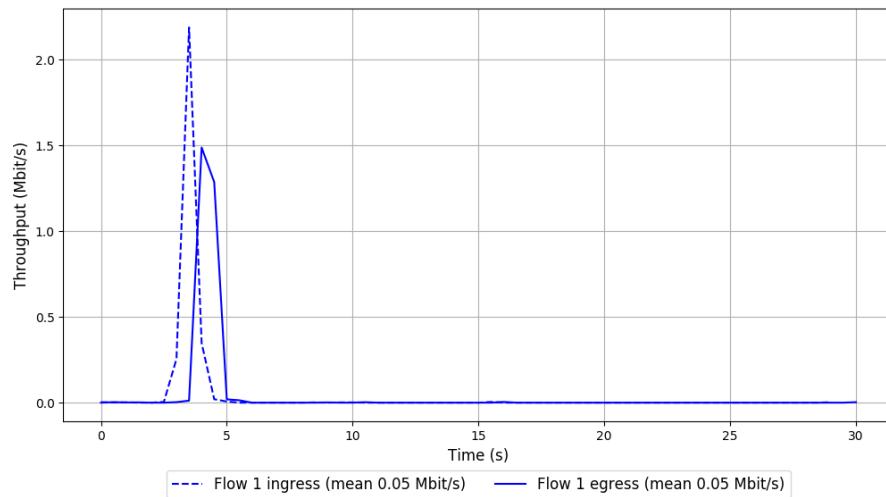


Run 3: Statistics of WebRTC media

```
Start at: 2019-02-05 14:14:56
End at: 2019-02-05 14:15:26
Local clock offset: 0.328 ms
Remote clock offset: -33.47 ms

# Below is generated by plot.py at 2019-02-05 16:11:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 141.150 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 141.150 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

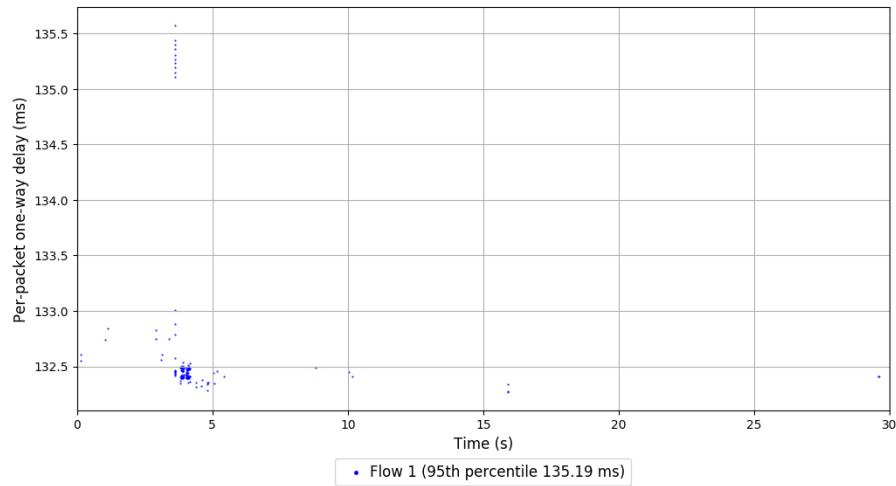
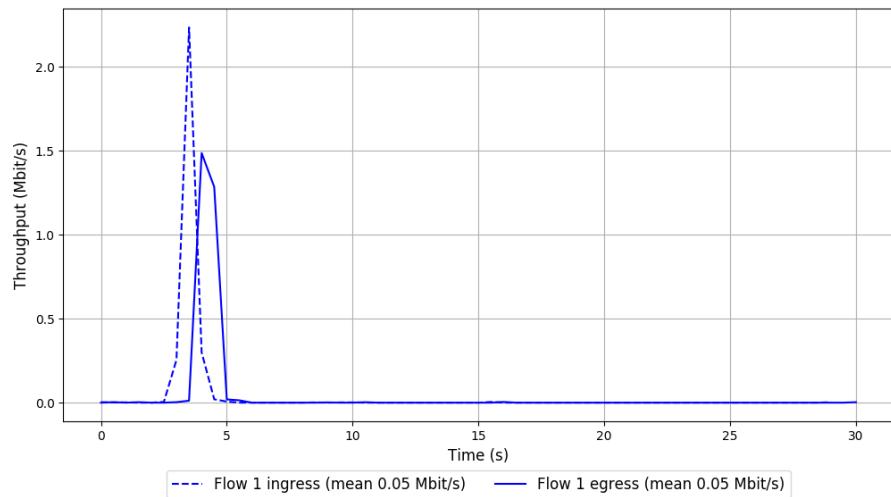


Run 4: Statistics of WebRTC media

```
Start at: 2019-02-05 14:42:51
End at: 2019-02-05 14:43:21
Local clock offset: 0.864 ms
Remote clock offset: -25.986 ms

# Below is generated by plot.py at 2019-02-05 16:11:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 135.194 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 135.194 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-02-05 15:22:29
End at: 2019-02-05 15:22:59
Local clock offset: -0.526 ms
Remote clock offset: -32.507 ms

# Below is generated by plot.py at 2019-02-05 16:11:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 142.207 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 142.207 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

