

## Pantheon Report

Generated at 2019-03-27 09:54:35 (UTC).  
Data path: GCE London on `ens4` (*remote*) → GCE Sydney on `ens4` (*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 `time.google.com` and have been applied to correct the timestamps in logs.

System info:

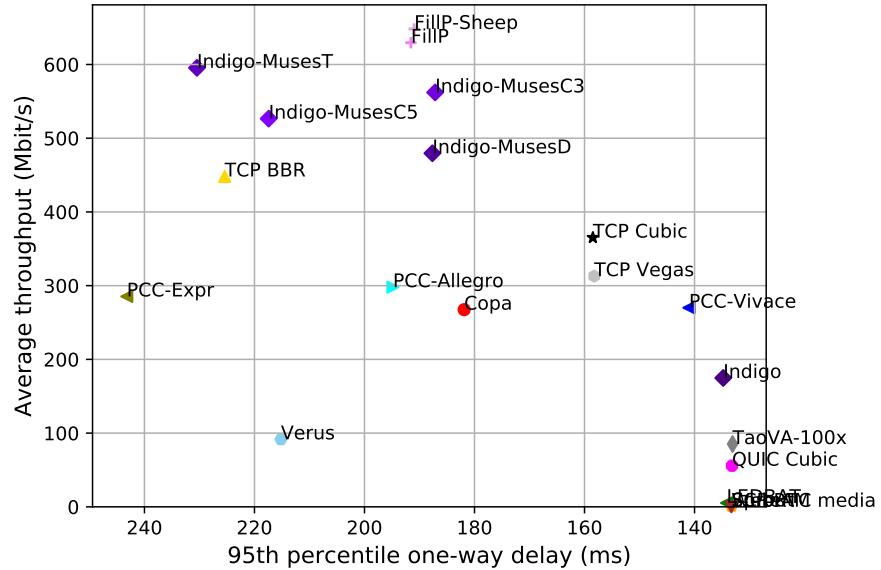
```
Linux 4.15.0-1028-gcp
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

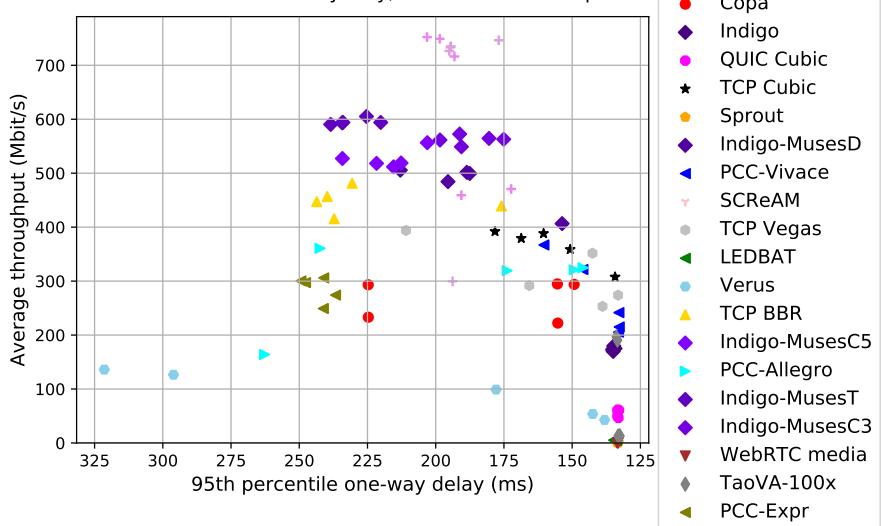
```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
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 GCE London to GCE Sydney, 5 runs of 30s each per scheme  
(mean of all runs by scheme)



test from GCE London to GCE Sydney, 5 runs of 30s each per scheme



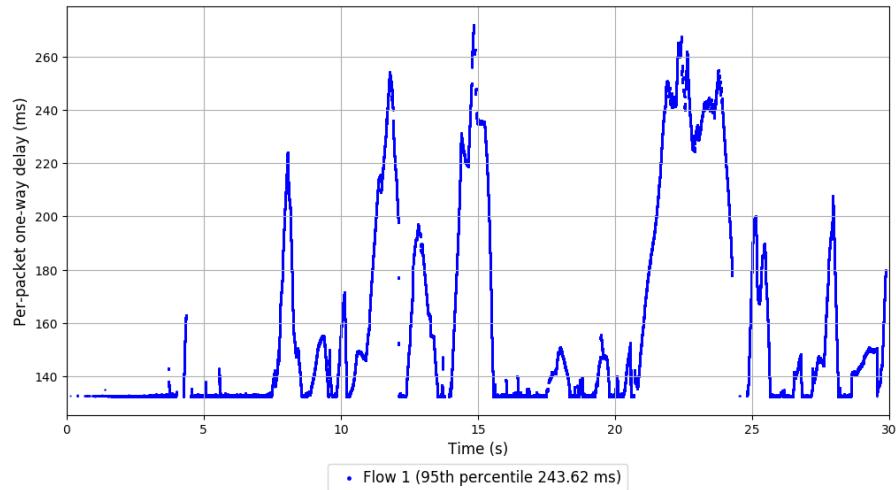
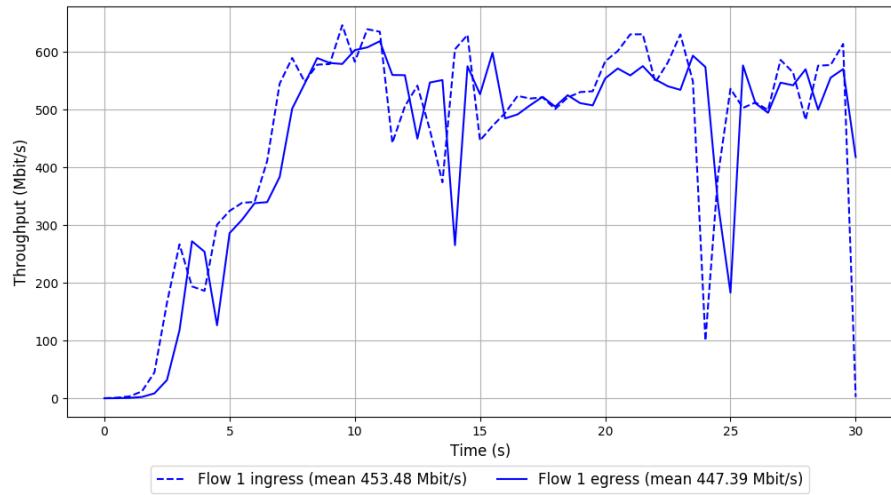
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	448.11	225.42	1.76
Copa	5	267.45	181.88	0.99
TCP Cubic	5	365.15	158.48	0.97
FillP	5	629.50	191.56	3.41
FillP-Sheep	5	648.16	190.96	1.67
Indigo	5	174.80	134.79	0.83
Indigo-MusesC3	5	562.09	187.15	1.10
Indigo-MusesC5	5	526.55	217.42	1.80
Indigo-MusesD	5	479.54	187.66	1.27
Indigo-MusesT	5	595.43	230.46	1.89
LEDBAT	5	5.24	134.18	1.79
PCC-Allegro	5	297.92	194.83	3.44
PCC-Expr	5	285.34	243.21	4.90
QUIC Cubic	5	55.77	133.19	1.39
SCReAM	5	0.15	133.30	0.88
Sprout	5	0.66	133.26	0.93
TaoVA-100x	5	85.18	133.10	0.92
TCP Vegas	5	312.87	158.24	0.74
Verus	5	91.55	215.20	7.73
PCC-Vivace	5	270.07	141.02	1.16
WebRTC media	4	0.05	133.32	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-03-27 05:48:00
End at: 2019-03-27 05:48:30
Local clock offset: 0.25 ms
Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2019-03-27 08:32:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 447.39 Mbit/s
95th percentile per-packet one-way delay: 243.622 ms
Loss rate: 2.22%
-- Flow 1:
Average throughput: 447.39 Mbit/s
95th percentile per-packet one-way delay: 243.622 ms
Loss rate: 2.22%
```

## Run 1: Report of TCP BBR — Data Link

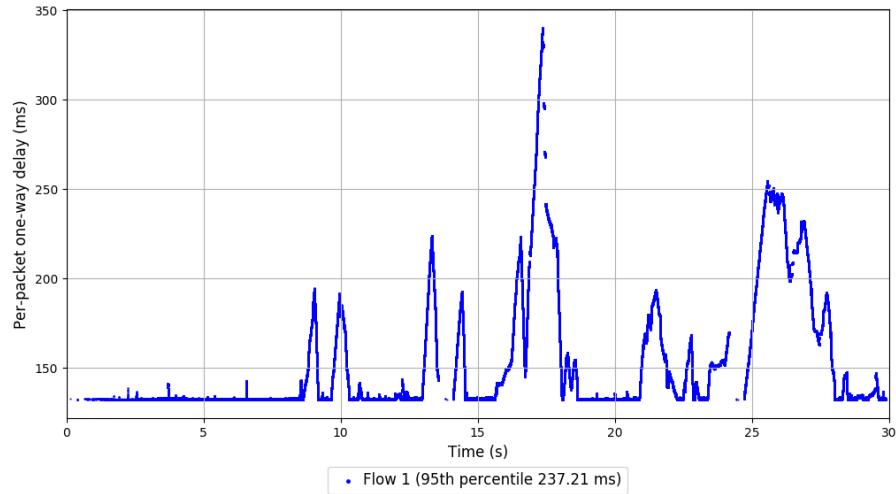
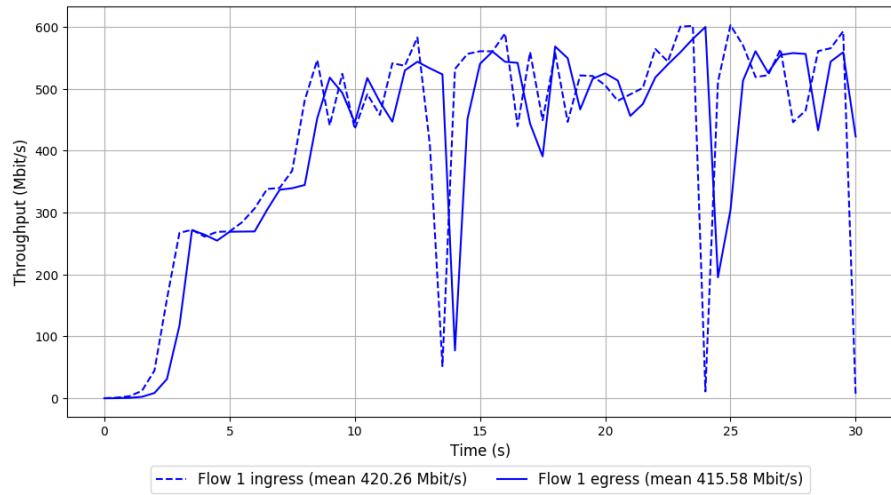


Run 2: Statistics of TCP BBR

```
Start at: 2019-03-27 06:23:52
End at: 2019-03-27 06:24:22
Local clock offset: 0.117 ms
Remote clock offset: 0.186 ms

# Below is generated by plot.py at 2019-03-27 08:32:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 415.58 Mbit/s
95th percentile per-packet one-way delay: 237.213 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 415.58 Mbit/s
95th percentile per-packet one-way delay: 237.213 ms
Loss rate: 1.99%
```

## Run 2: Report of TCP BBR — Data Link

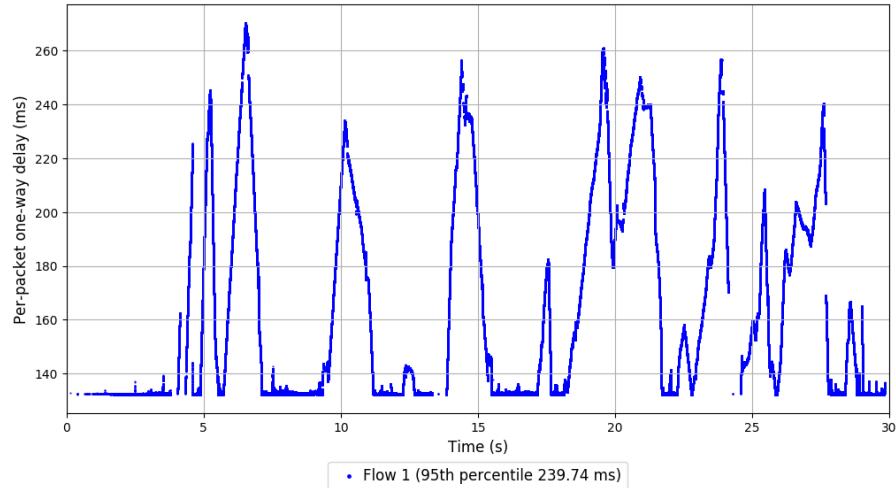
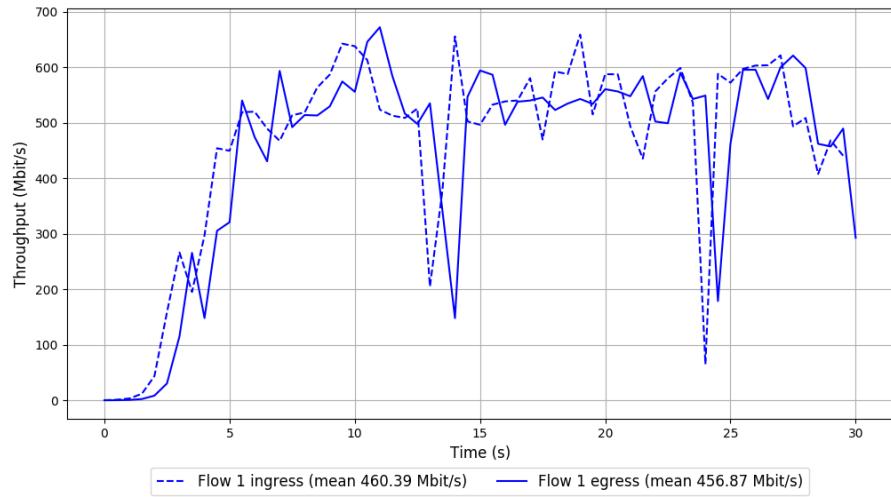


Run 3: Statistics of TCP BBR

```
Start at: 2019-03-27 06:58:40
End at: 2019-03-27 06:59:10
Local clock offset: -0.509 ms
Remote clock offset: 0.292 ms

# Below is generated by plot.py at 2019-03-27 08:32:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 456.87 Mbit/s
95th percentile per-packet one-way delay: 239.735 ms
Loss rate: 1.65%
-- Flow 1:
Average throughput: 456.87 Mbit/s
95th percentile per-packet one-way delay: 239.735 ms
Loss rate: 1.65%
```

### Run 3: Report of TCP BBR — Data Link

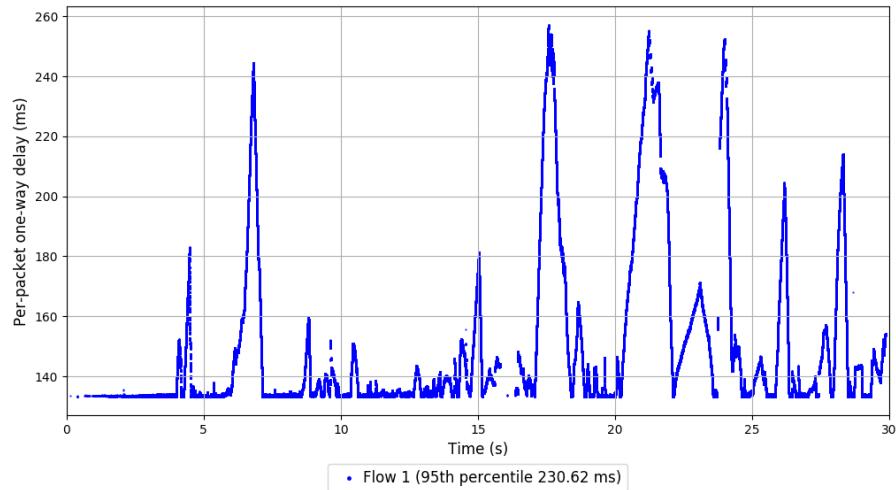
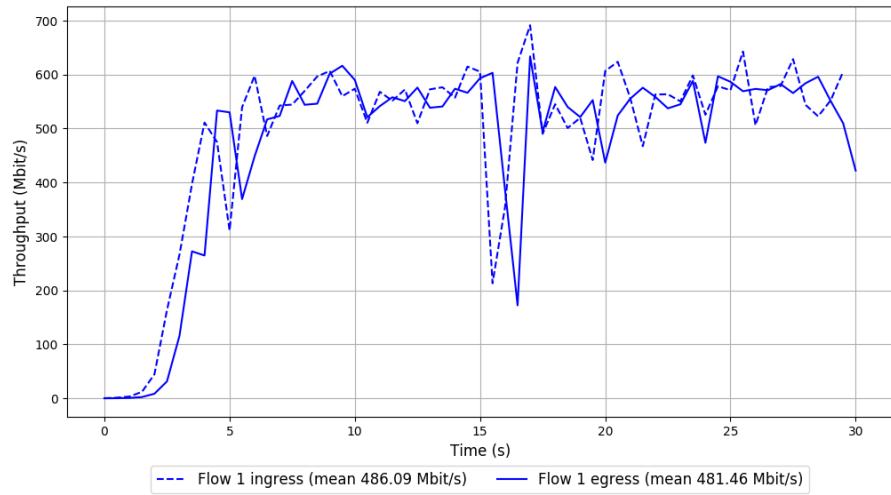


Run 4: Statistics of TCP BBR

```
Start at: 2019-03-27 07:35:34
End at: 2019-03-27 07:36:04
Local clock offset: 0.235 ms
Remote clock offset: -0.179 ms

# Below is generated by plot.py at 2019-03-27 08:32:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 481.46 Mbit/s
95th percentile per-packet one-way delay: 230.620 ms
Loss rate: 1.83%
-- Flow 1:
Average throughput: 481.46 Mbit/s
95th percentile per-packet one-way delay: 230.620 ms
Loss rate: 1.83%
```

### Run 4: Report of TCP BBR — Data Link

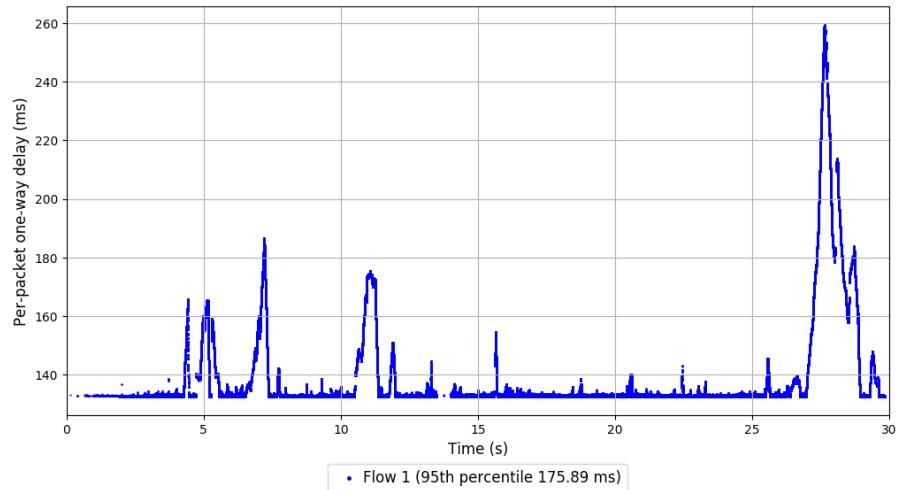
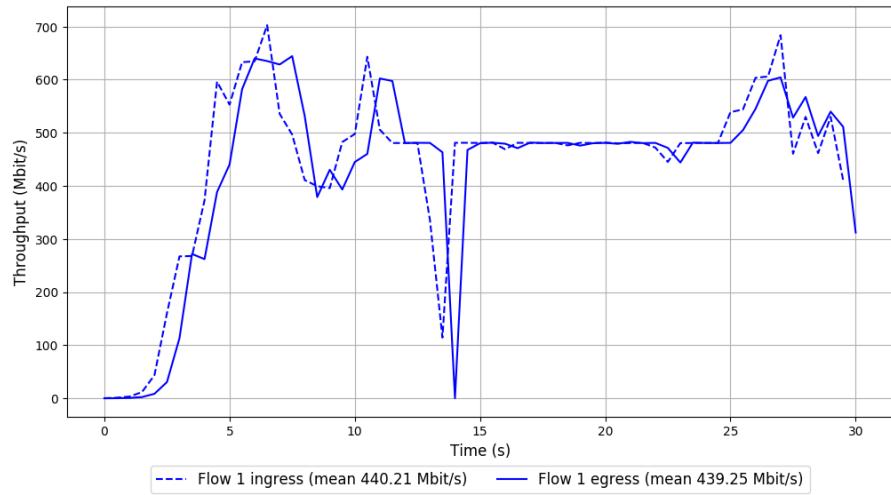


Run 5: Statistics of TCP BBR

```
Start at: 2019-03-27 08:10:35
End at: 2019-03-27 08:11:05
Local clock offset: -0.31 ms
Remote clock offset: -0.167 ms

# Below is generated by plot.py at 2019-03-27 08:32:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 439.25 Mbit/s
95th percentile per-packet one-way delay: 175.894 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 439.25 Mbit/s
95th percentile per-packet one-way delay: 175.894 ms
Loss rate: 1.11%
```

### Run 5: Report of TCP BBR — Data Link

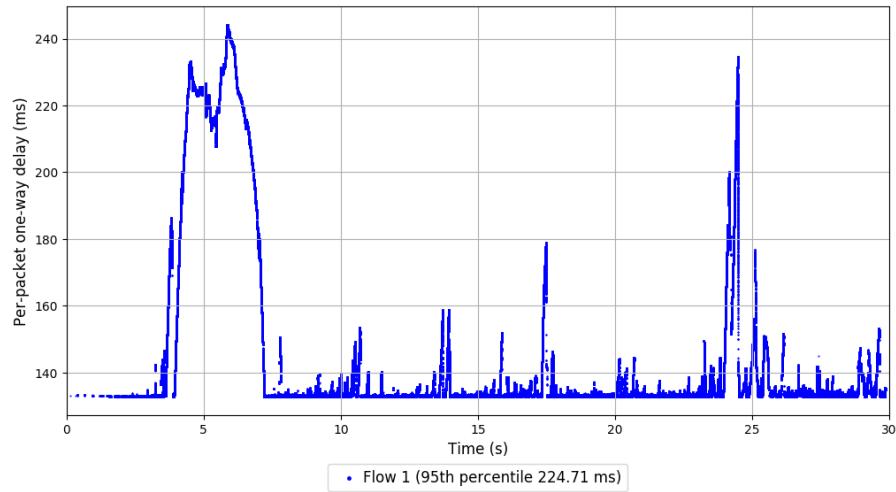
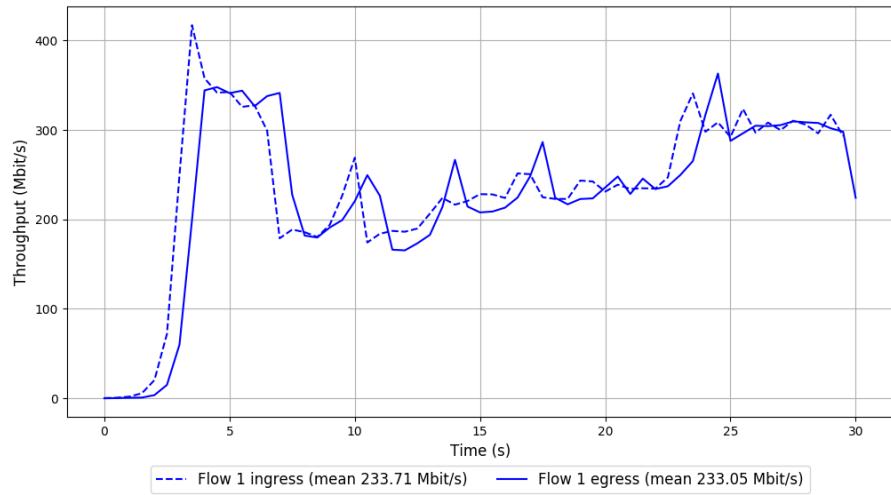


Run 1: Statistics of Copa

```
Start at: 2019-03-27 05:19:54
End at: 2019-03-27 05:20:24
Local clock offset: 0.374 ms
Remote clock offset: 0.252 ms

# Below is generated by plot.py at 2019-03-27 08:32:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.05 Mbit/s
95th percentile per-packet one-way delay: 224.709 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 233.05 Mbit/s
95th percentile per-packet one-way delay: 224.709 ms
Loss rate: 1.17%
```

### Run 1: Report of Copa — Data Link

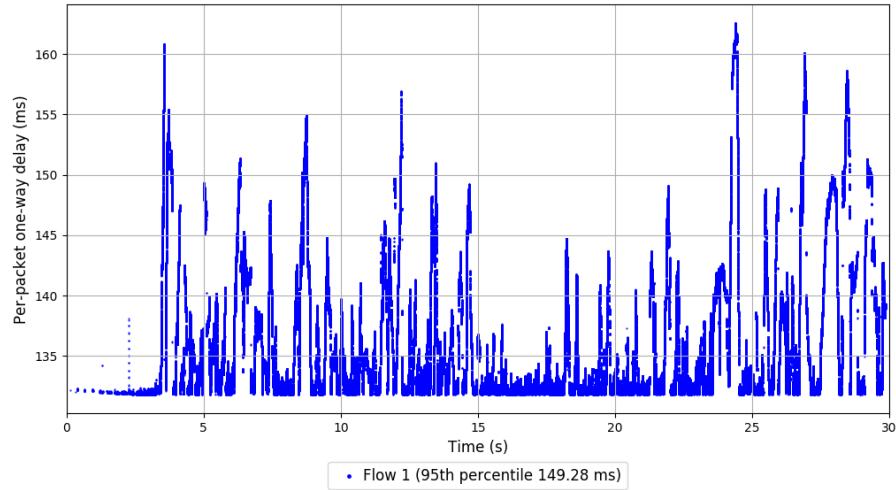
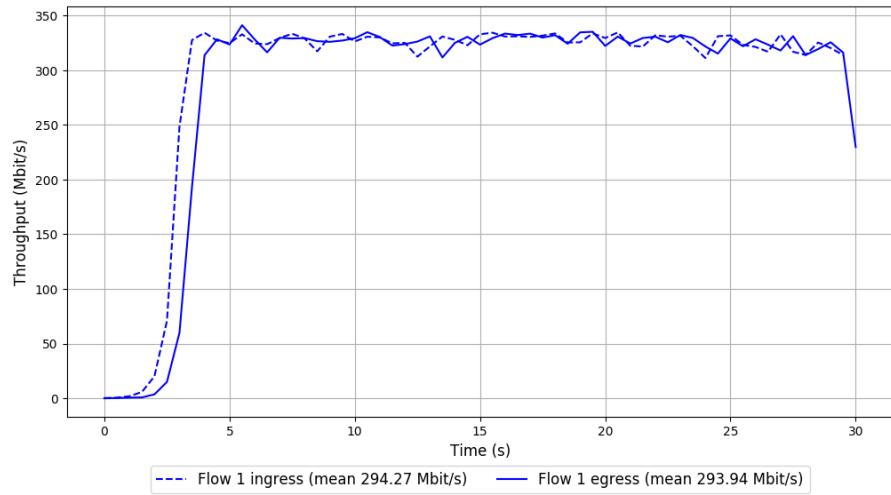


Run 2: Statistics of Copa

```
Start at: 2019-03-27 05:55:22
End at: 2019-03-27 05:55:52
Local clock offset: -0.446 ms
Remote clock offset: 0.272 ms

# Below is generated by plot.py at 2019-03-27 08:33:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 293.94 Mbit/s
95th percentile per-packet one-way delay: 149.276 ms
Loss rate: 1.00%
-- Flow 1:
Average throughput: 293.94 Mbit/s
95th percentile per-packet one-way delay: 149.276 ms
Loss rate: 1.00%
```

## Run 2: Report of Copa — Data Link

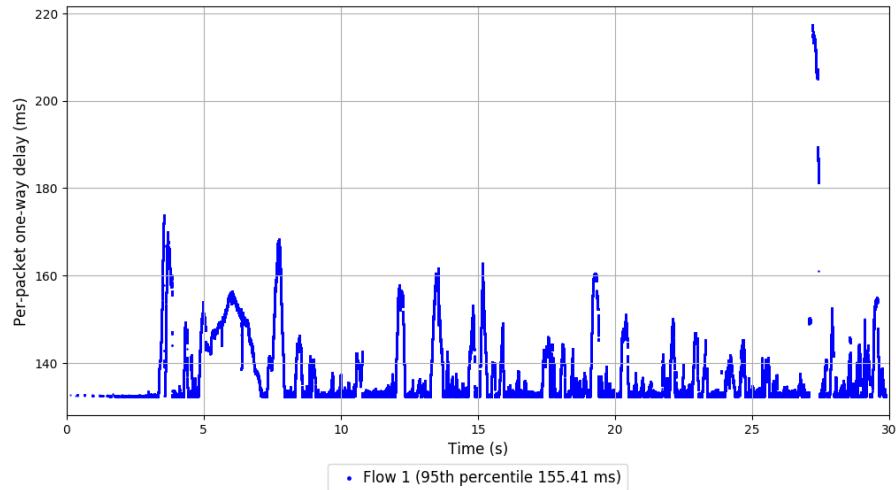
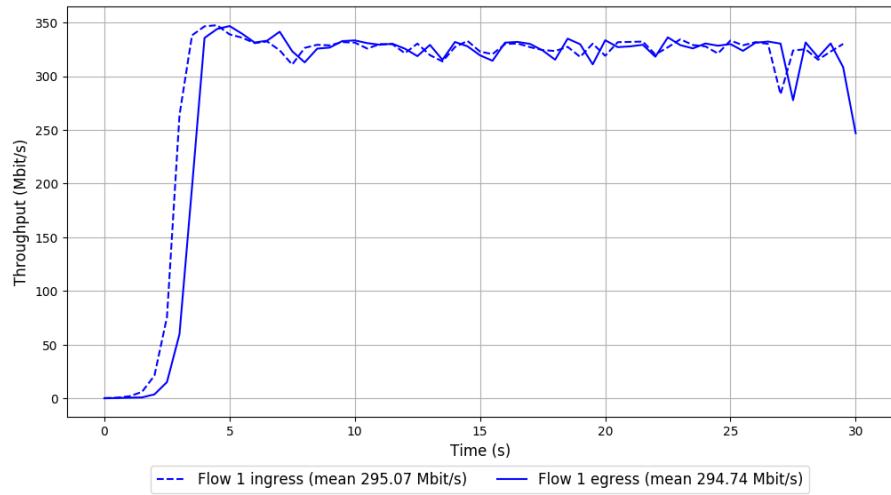


Run 3: Statistics of Copa

```
Start at: 2019-03-27 06:30:46
End at: 2019-03-27 06:31:16
Local clock offset: -0.534 ms
Remote clock offset: -0.197 ms

# Below is generated by plot.py at 2019-03-27 08:33:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 294.74 Mbit/s
95th percentile per-packet one-way delay: 155.411 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 294.74 Mbit/s
95th percentile per-packet one-way delay: 155.411 ms
Loss rate: 0.99%
```

### Run 3: Report of Copa — Data Link

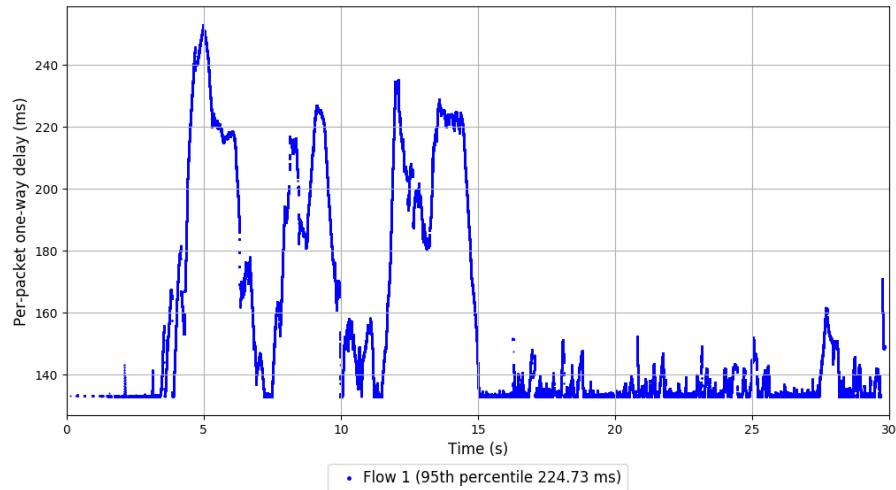
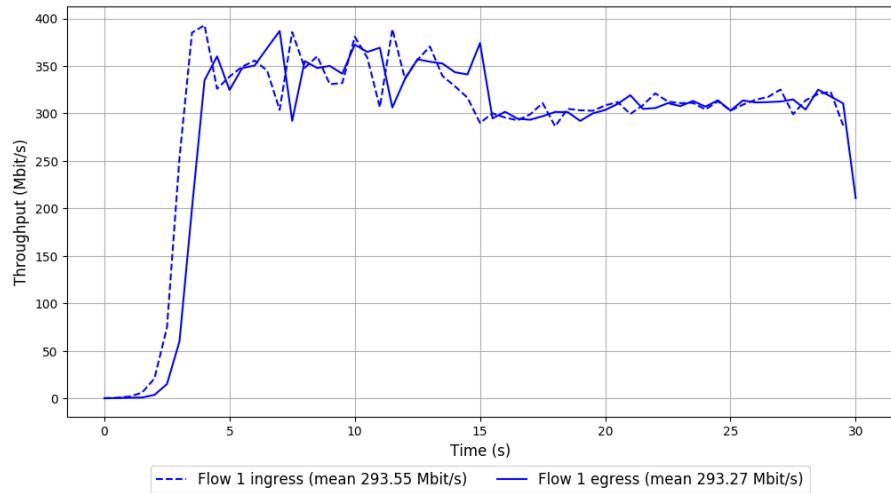


Run 4: Statistics of Copa

```
Start at: 2019-03-27 07:06:37
End at: 2019-03-27 07:07:07
Local clock offset: -0.072 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2019-03-27 08:42:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 293.27 Mbit/s
95th percentile per-packet one-way delay: 224.731 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 293.27 Mbit/s
95th percentile per-packet one-way delay: 224.731 ms
Loss rate: 0.98%
```

### Run 4: Report of Copa — Data Link

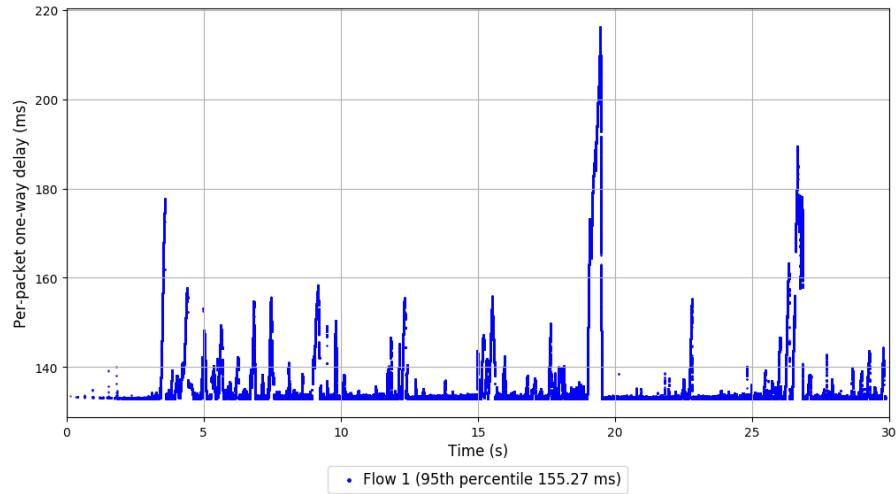
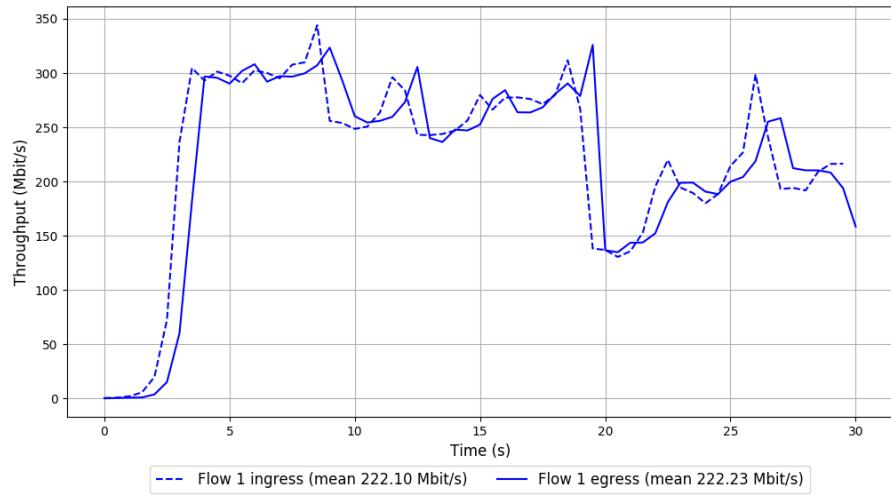


Run 5: Statistics of Copa

```
Start at: 2019-03-27 07:42:59
End at: 2019-03-27 07:43:29
Local clock offset: -0.195 ms
Remote clock offset: -0.138 ms

# Below is generated by plot.py at 2019-03-27 08:42:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.23 Mbit/s
95th percentile per-packet one-way delay: 155.272 ms
Loss rate: 0.83%
-- Flow 1:
Average throughput: 222.23 Mbit/s
95th percentile per-packet one-way delay: 155.272 ms
Loss rate: 0.83%
```

### Run 5: Report of Copa — Data Link

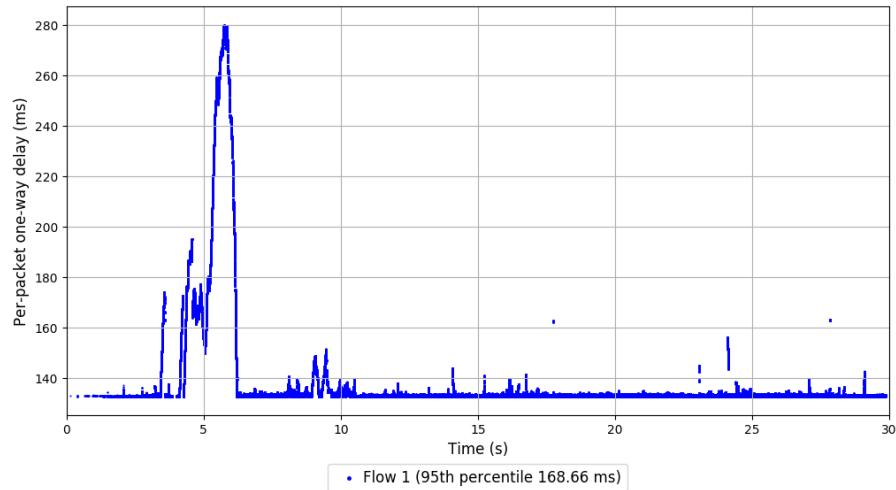
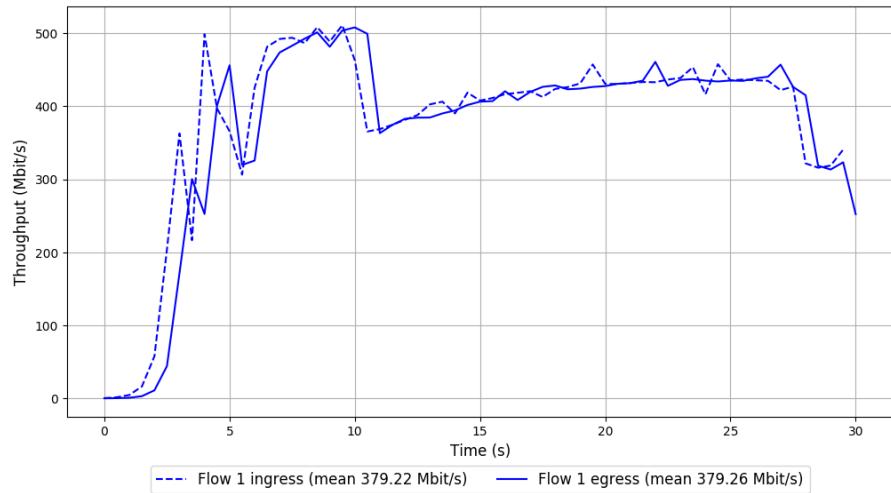


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-03-27 05:22:07
End at: 2019-03-27 05:22:37
Local clock offset: -0.331 ms
Remote clock offset: -0.087 ms

# Below is generated by plot.py at 2019-03-27 08:42:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 379.26 Mbit/s
95th percentile per-packet one-way delay: 168.656 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 379.26 Mbit/s
95th percentile per-packet one-way delay: 168.656 ms
Loss rate: 0.88%
```

### Run 1: Report of TCP Cubic — Data Link

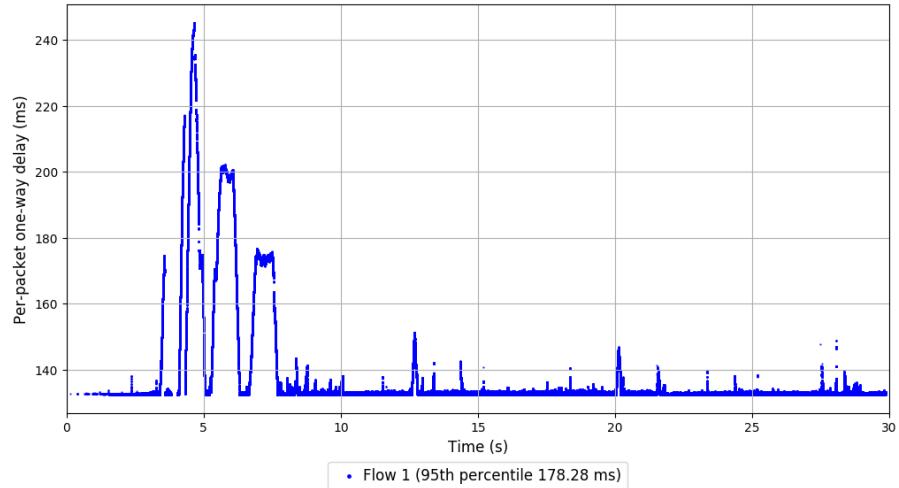
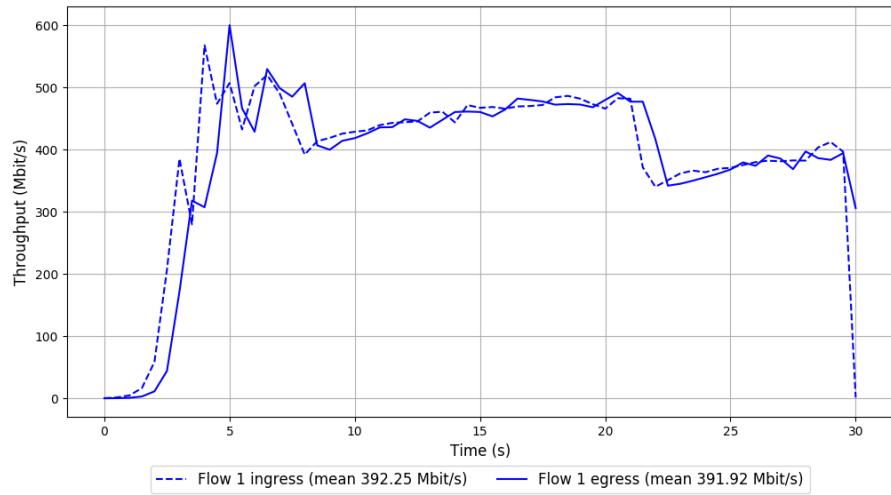


Run 2: Statistics of TCP Cubic

```
Start at: 2019-03-27 05:57:16
End at: 2019-03-27 05:57:46
Local clock offset: -0.036 ms
Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2019-03-27 08:42:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 391.92 Mbit/s
95th percentile per-packet one-way delay: 178.277 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 391.92 Mbit/s
95th percentile per-packet one-way delay: 178.277 ms
Loss rate: 0.97%
```

## Run 2: Report of TCP Cubic — Data Link

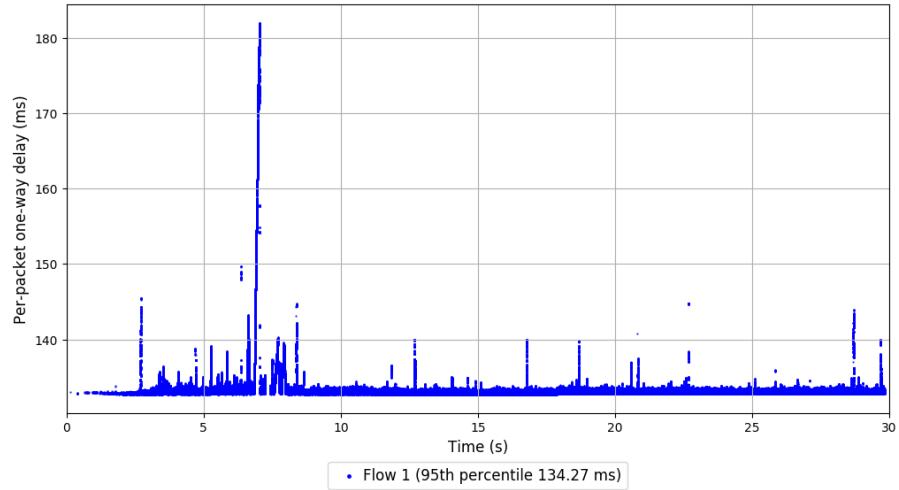
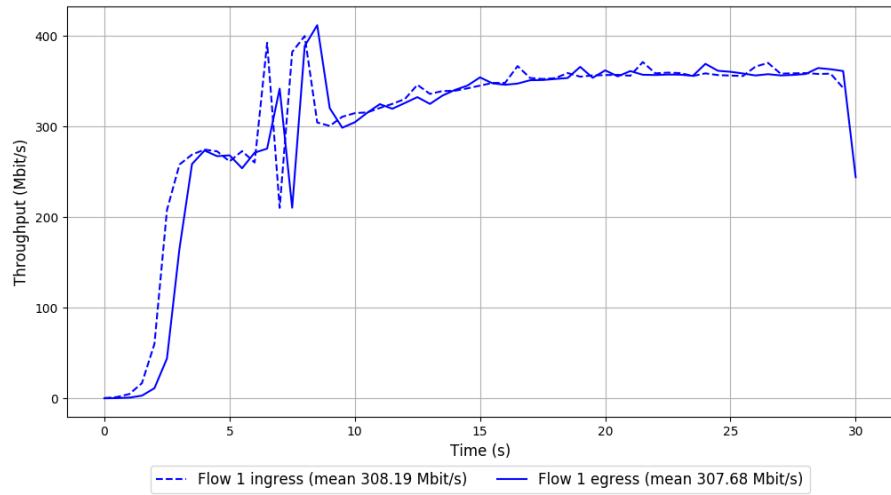


Run 3: Statistics of TCP Cubic

```
Start at: 2019-03-27 06:32:42
End at: 2019-03-27 06:33:12
Local clock offset: -0.116 ms
Remote clock offset: -0.138 ms

# Below is generated by plot.py at 2019-03-27 08:42:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 307.68 Mbit/s
95th percentile per-packet one-way delay: 134.274 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 307.68 Mbit/s
95th percentile per-packet one-way delay: 134.274 ms
Loss rate: 1.05%
```

### Run 3: Report of TCP Cubic — Data Link

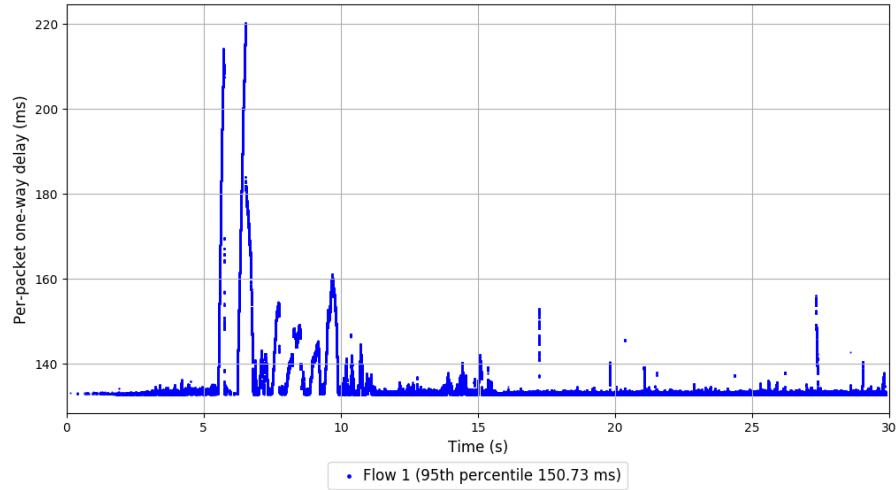
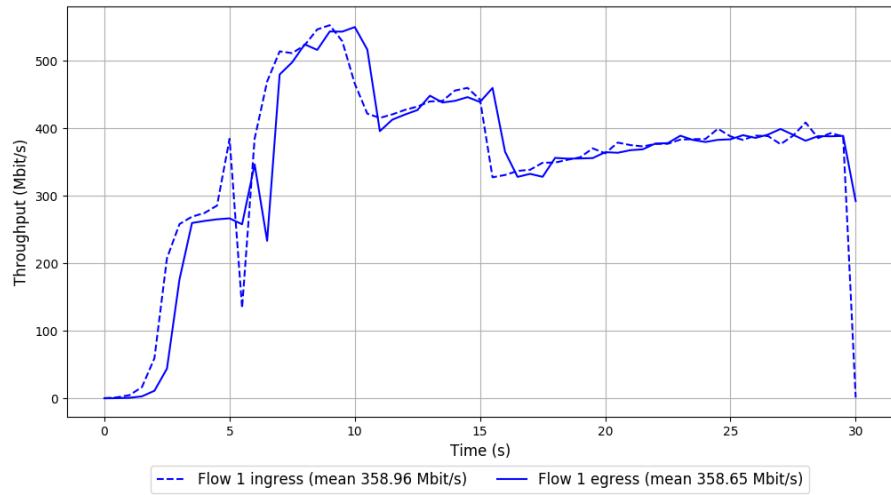


Run 4: Statistics of TCP Cubic

```
Start at: 2019-03-27 07:08:43
End at: 2019-03-27 07:09:13
Local clock offset: -0.048 ms
Remote clock offset: -0.069 ms

# Below is generated by plot.py at 2019-03-27 08:42:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 358.65 Mbit/s
95th percentile per-packet one-way delay: 150.729 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 358.65 Mbit/s
95th percentile per-packet one-way delay: 150.729 ms
Loss rate: 0.97%
```

#### Run 4: Report of TCP Cubic — Data Link

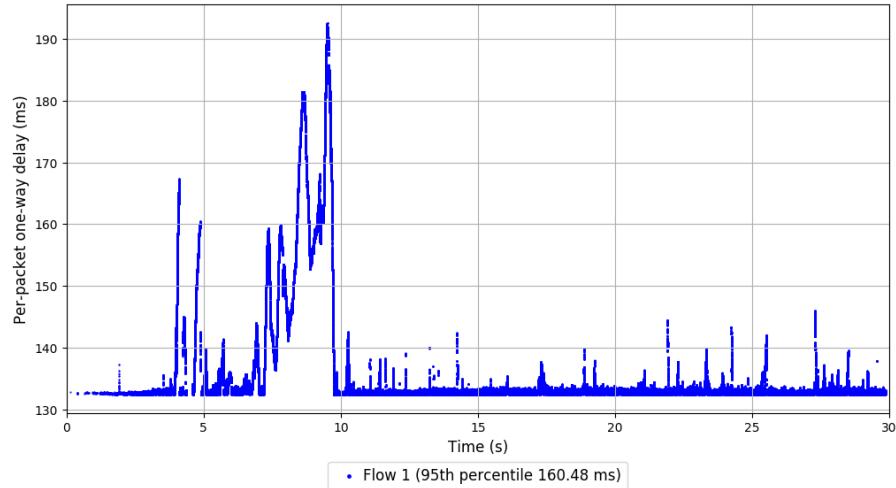
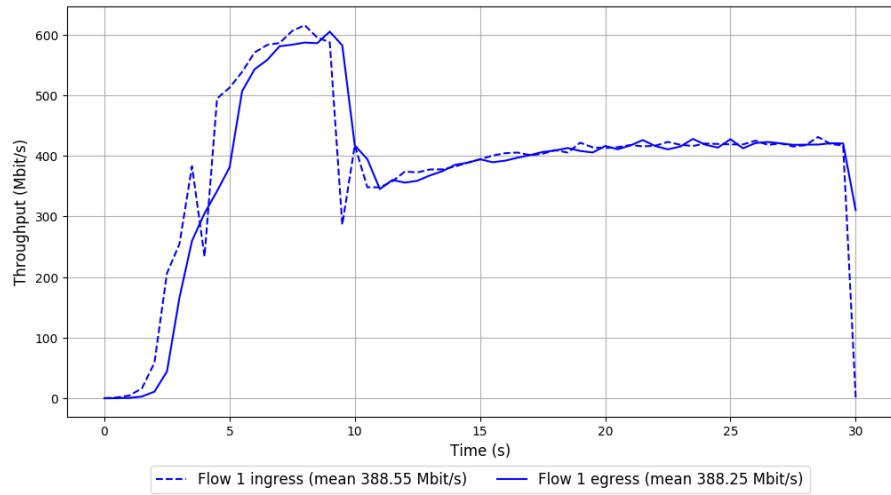


Run 5: Statistics of TCP Cubic

```
Start at: 2019-03-27 07:44:56
End at: 2019-03-27 07:45:26
Local clock offset: -0.601 ms
Remote clock offset: -0.15 ms

# Below is generated by plot.py at 2019-03-27 08:42:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 388.25 Mbit/s
95th percentile per-packet one-way delay: 160.484 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 388.25 Mbit/s
95th percentile per-packet one-way delay: 160.484 ms
Loss rate: 0.96%
```

### Run 5: Report of TCP Cubic — Data Link

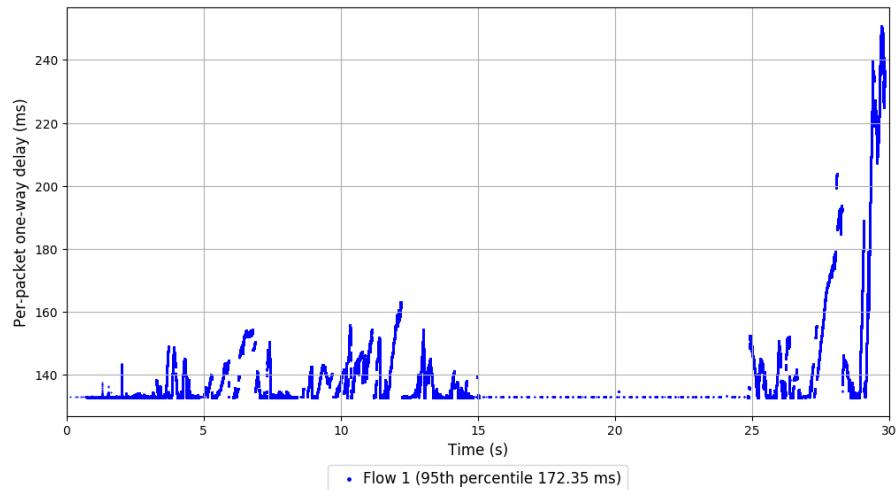
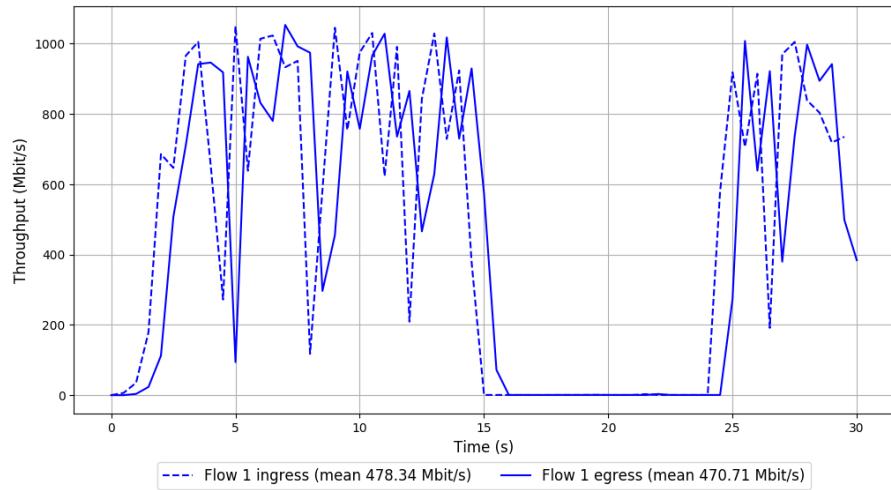


```
Run 1: Statistics of FillP

Start at: 2019-03-27 05:39:33
End at: 2019-03-27 05:40:03
Local clock offset: -0.076 ms
Remote clock offset: -0.079 ms

# Below is generated by plot.py at 2019-03-27 08:44:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 470.71 Mbit/s
95th percentile per-packet one-way delay: 172.353 ms
Loss rate: 2.47%
-- Flow 1:
Average throughput: 470.71 Mbit/s
95th percentile per-packet one-way delay: 172.353 ms
Loss rate: 2.47%
```

Run 1: Report of FillP — Data Link

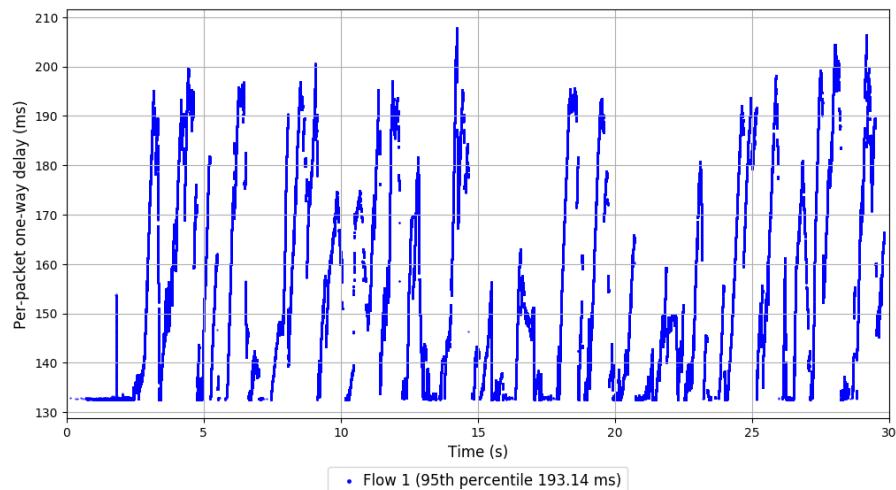
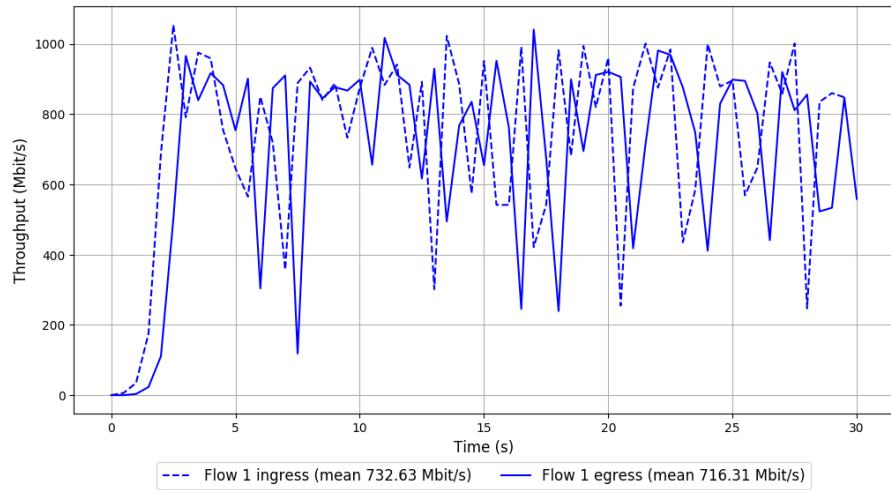


Run 2: Statistics of FillP

```
Start at: 2019-03-27 06:15:24
End at: 2019-03-27 06:15:54
Local clock offset: -0.67 ms
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2019-03-27 08:55:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 716.31 Mbit/s
95th percentile per-packet one-way delay: 193.138 ms
Loss rate: 3.10%
-- Flow 1:
Average throughput: 716.31 Mbit/s
95th percentile per-packet one-way delay: 193.138 ms
Loss rate: 3.10%
```

## Run 2: Report of FillP — Data Link

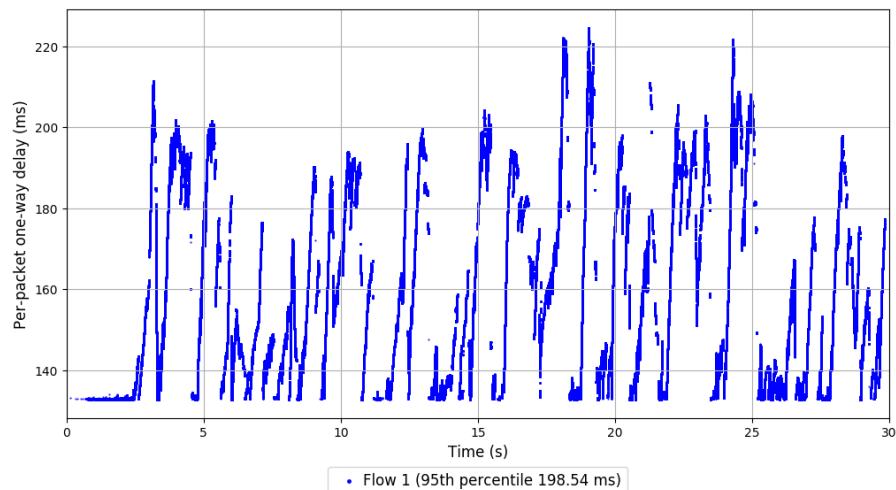
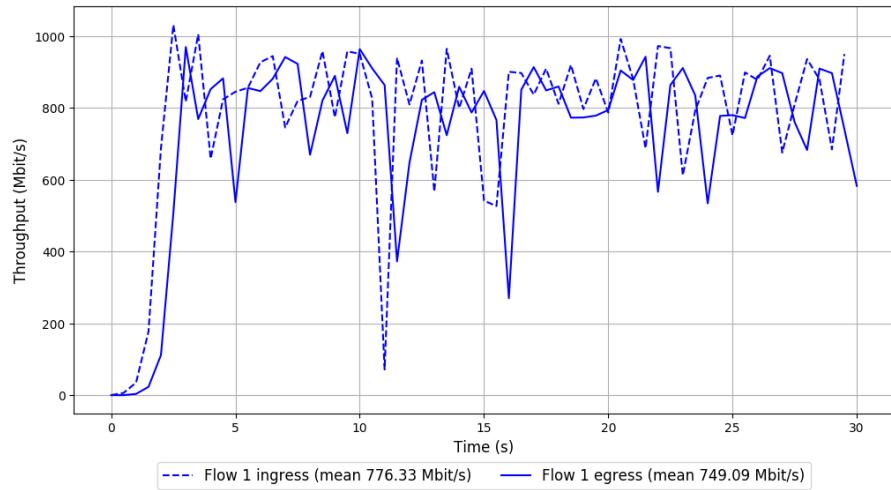


Run 3: Statistics of FillP

```
Start at: 2019-03-27 06:49:46
End at: 2019-03-27 06:50:16
Local clock offset: -0.11 ms
Remote clock offset: -0.099 ms

# Below is generated by plot.py at 2019-03-27 08:56:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 749.09 Mbit/s
95th percentile per-packet one-way delay: 198.537 ms
Loss rate: 4.35%
-- Flow 1:
Average throughput: 749.09 Mbit/s
95th percentile per-packet one-way delay: 198.537 ms
Loss rate: 4.35%
```

### Run 3: Report of FillP — Data Link

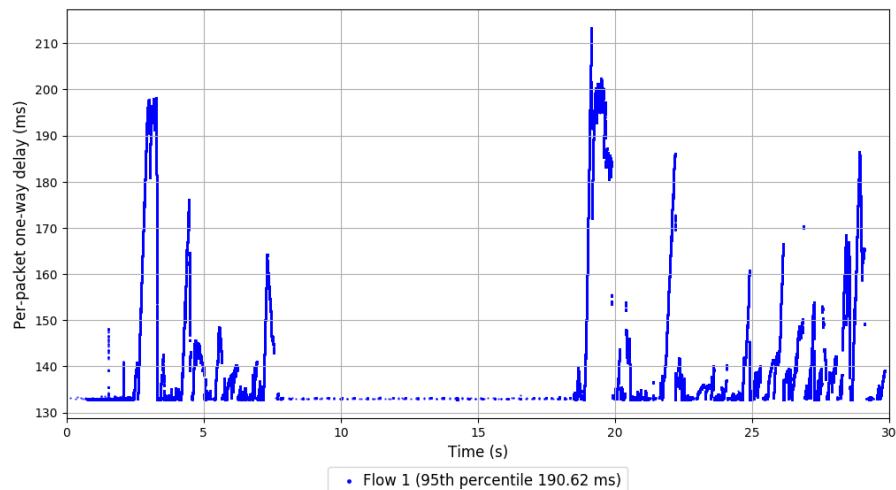
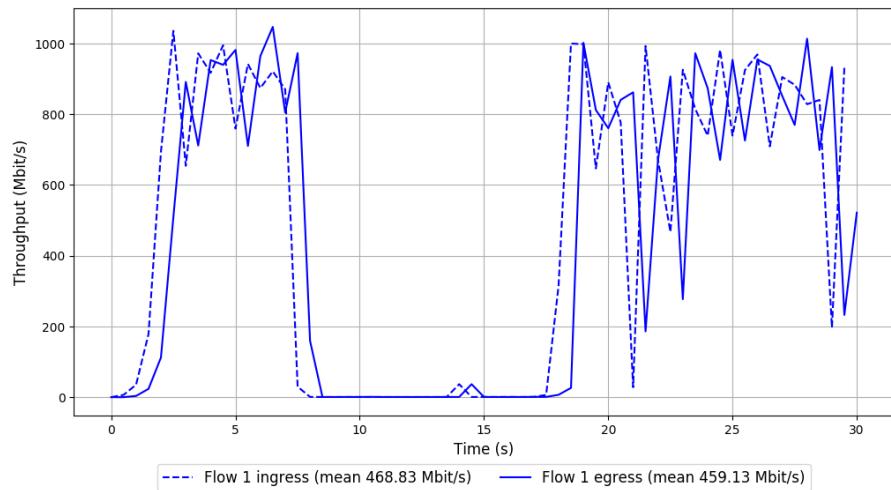


Run 4: Statistics of FillP

```
Start at: 2019-03-27 07:26:46
End at: 2019-03-27 07:27:16
Local clock offset: -0.08 ms
Remote clock offset: -0.116 ms

# Below is generated by plot.py at 2019-03-27 08:56:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 459.13 Mbit/s
95th percentile per-packet one-way delay: 190.619 ms
Loss rate: 2.93%
-- Flow 1:
Average throughput: 459.13 Mbit/s
95th percentile per-packet one-way delay: 190.619 ms
Loss rate: 2.93%
```

#### Run 4: Report of FillP — Data Link

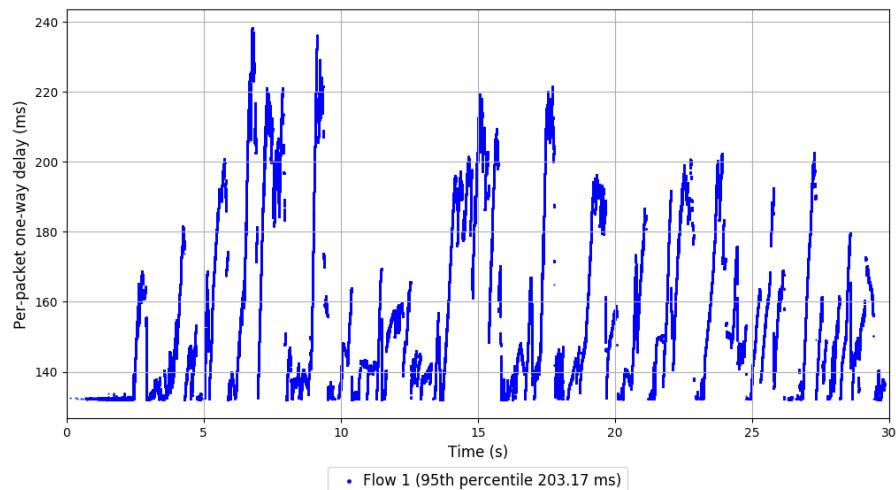
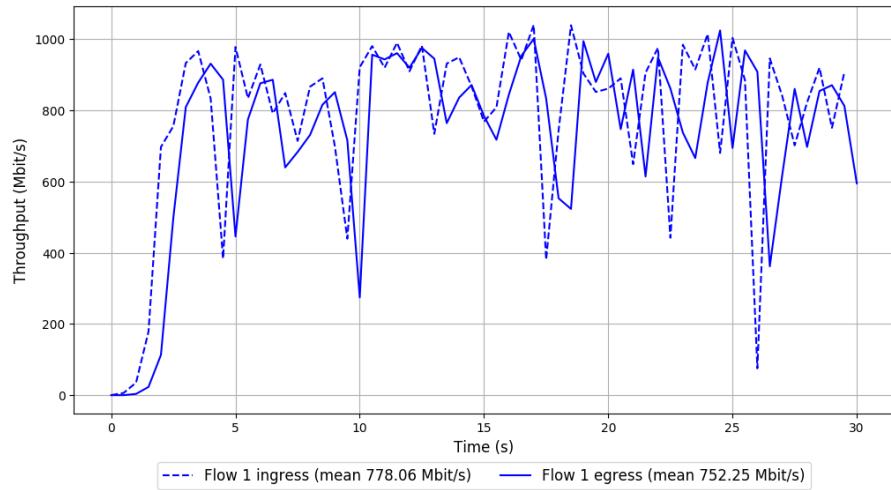


```
Run 5: Statistics of FillP
```

```
Start at: 2019-03-27 08:01:45
End at: 2019-03-27 08:02:15
Local clock offset: -0.366 ms
Remote clock offset: -0.181 ms

# Below is generated by plot.py at 2019-03-27 08:57:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 752.25 Mbit/s
95th percentile per-packet one-way delay: 203.167 ms
Loss rate: 4.18%
-- Flow 1:
Average throughput: 752.25 Mbit/s
95th percentile per-packet one-way delay: 203.167 ms
Loss rate: 4.18%
```

### Run 5: Report of FillP — Data Link

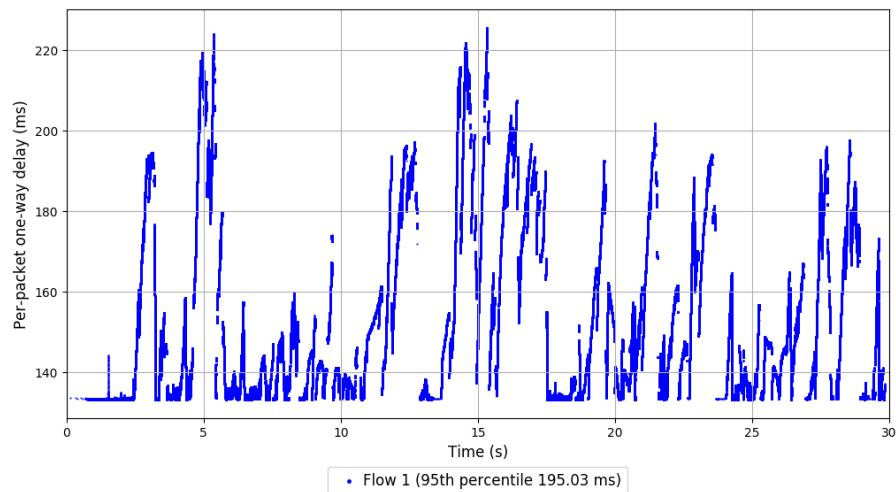
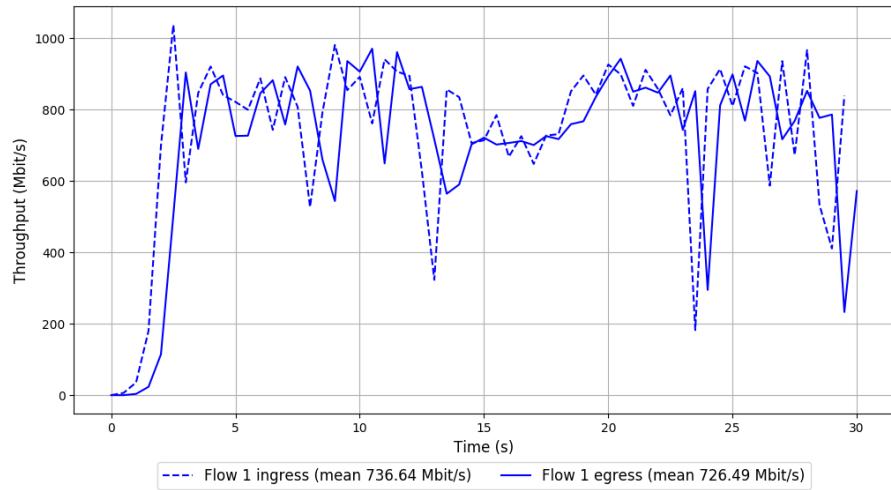


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-03-27 05:26:09
End at: 2019-03-27 05:26:39
Local clock offset: 0.169 ms
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2019-03-27 08:57:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 726.49 Mbit/s
95th percentile per-packet one-way delay: 195.029 ms
Loss rate: 2.26%
-- Flow 1:
Average throughput: 726.49 Mbit/s
95th percentile per-packet one-way delay: 195.029 ms
Loss rate: 2.26%
```

### Run 1: Report of FillP-Sheep — Data Link

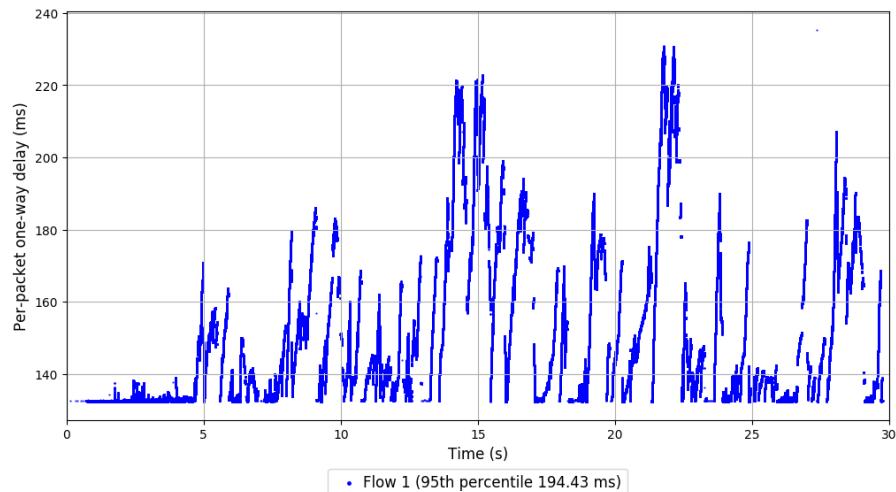
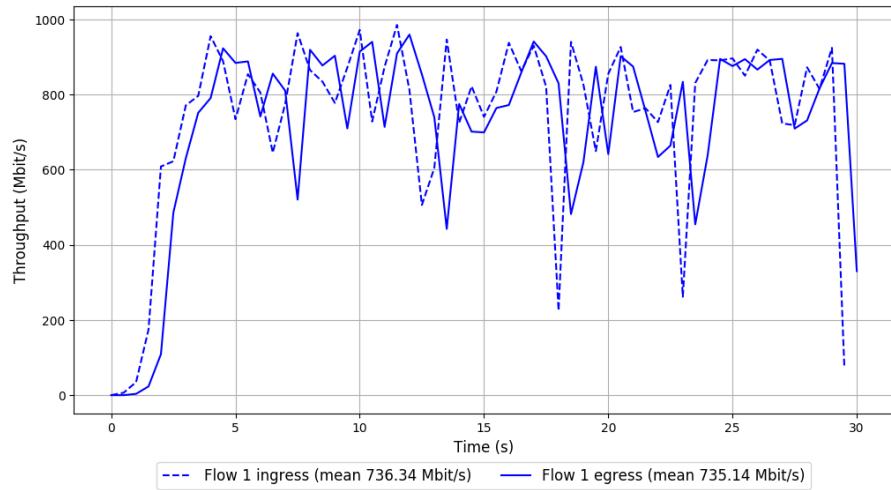


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-03-27 06:01:02
End at: 2019-03-27 06:01:32
Local clock offset: -0.23 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2019-03-27 08:58:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 735.14 Mbit/s
95th percentile per-packet one-way delay: 194.434 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 735.14 Mbit/s
95th percentile per-packet one-way delay: 194.434 ms
Loss rate: 1.18%
```

## Run 2: Report of FillP-Sheep — Data Link

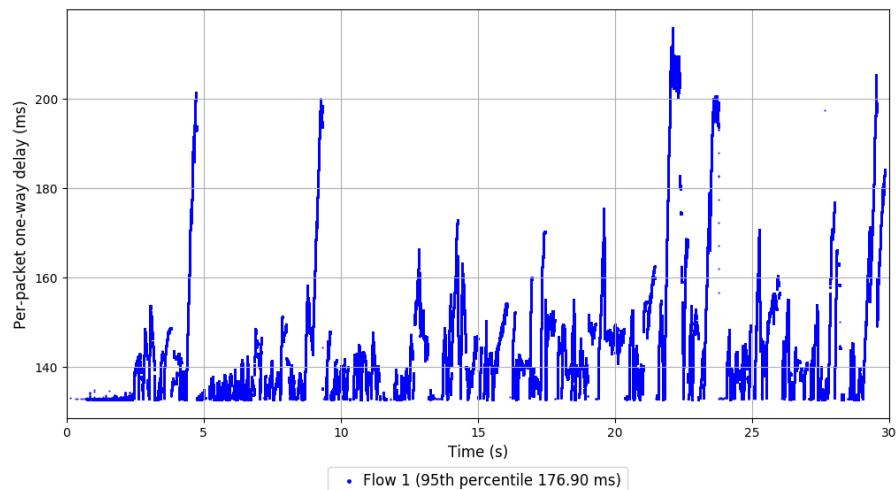
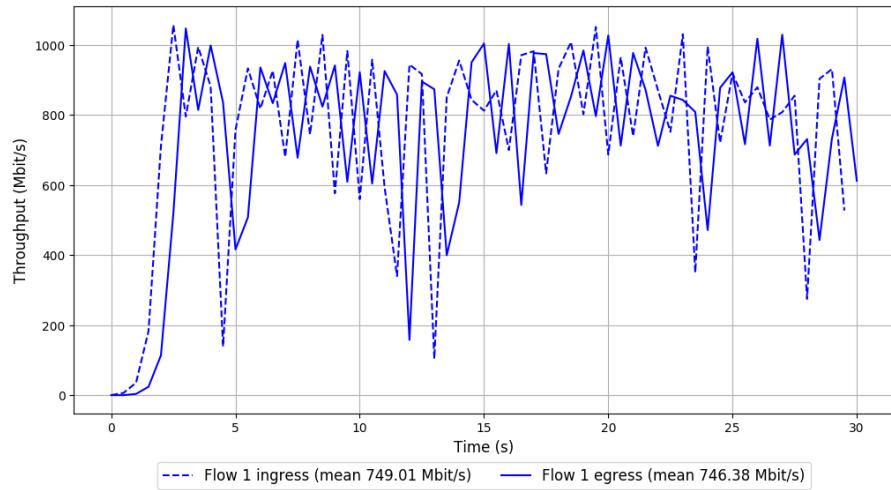


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-03-27 06:36:13
End at: 2019-03-27 06:36:43
Local clock offset: 0.3 ms
Remote clock offset: -0.17 ms

# Below is generated by plot.py at 2019-03-27 08:59:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 746.38 Mbit/s
95th percentile per-packet one-way delay: 176.897 ms
Loss rate: 1.24%
-- Flow 1:
Average throughput: 746.38 Mbit/s
95th percentile per-packet one-way delay: 176.897 ms
Loss rate: 1.24%
```

### Run 3: Report of FillP-Sheep — Data Link

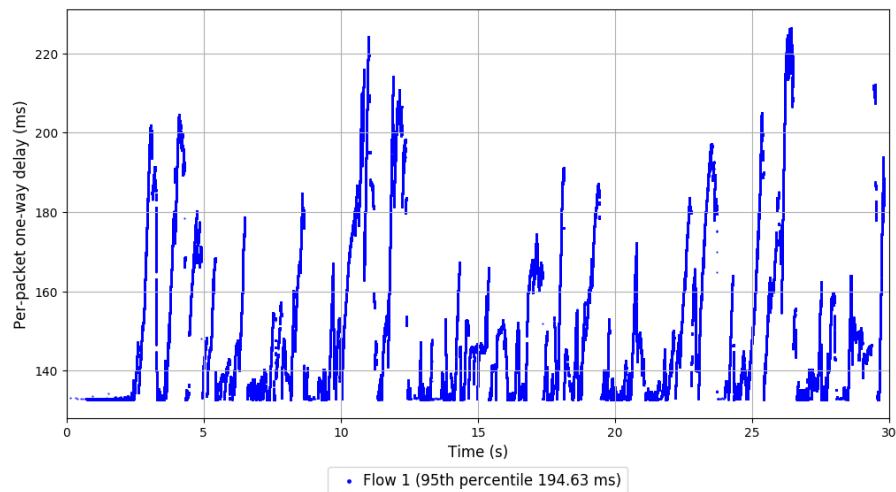
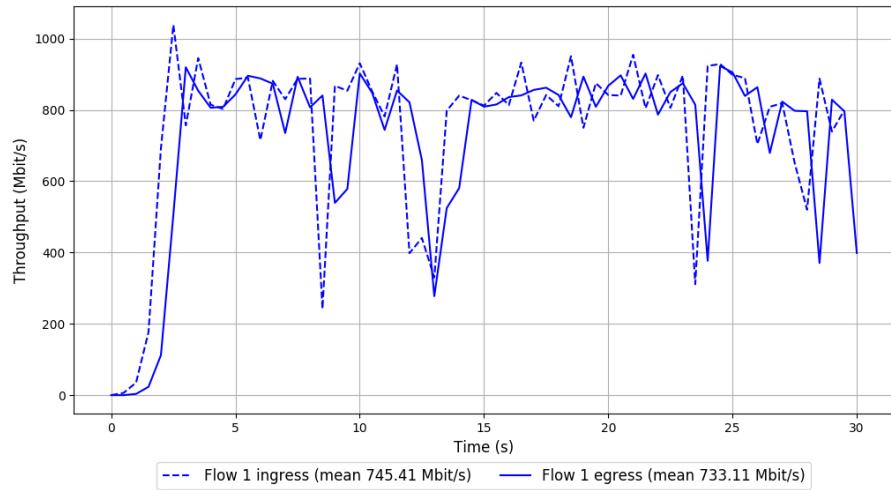


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-03-27 07:12:18
End at: 2019-03-27 07:12:48
Local clock offset: -0.108 ms
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2019-03-27 09:03:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 733.11 Mbit/s
95th percentile per-packet one-way delay: 194.635 ms
Loss rate: 2.53%
-- Flow 1:
Average throughput: 733.11 Mbit/s
95th percentile per-packet one-way delay: 194.635 ms
Loss rate: 2.53%
```

#### Run 4: Report of FillP-Sheep — Data Link

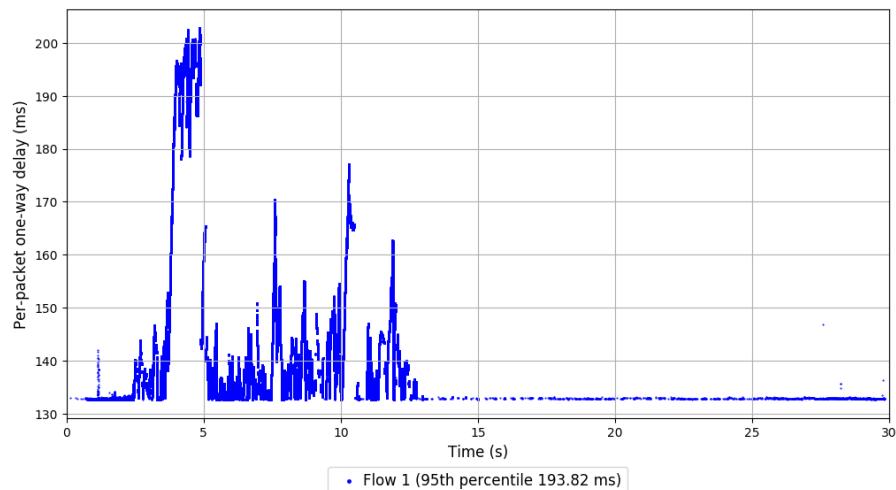
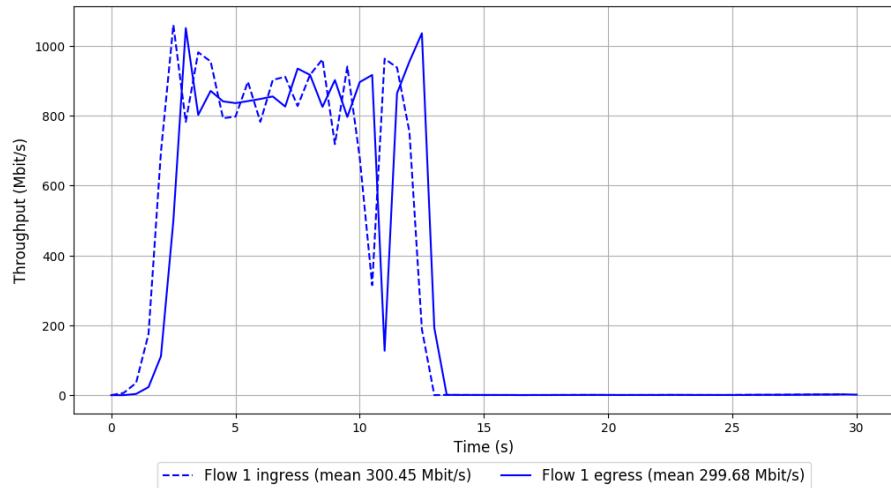


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-03-27 07:48:40
End at: 2019-03-27 07:49:10
Local clock offset: -0.423 ms
Remote clock offset: -0.116 ms

# Below is generated by plot.py at 2019-03-27 09:03:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 299.68 Mbit/s
95th percentile per-packet one-way delay: 193.816 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 299.68 Mbit/s
95th percentile per-packet one-way delay: 193.816 ms
Loss rate: 1.14%
```

### Run 5: Report of FillP-Sheep — Data Link

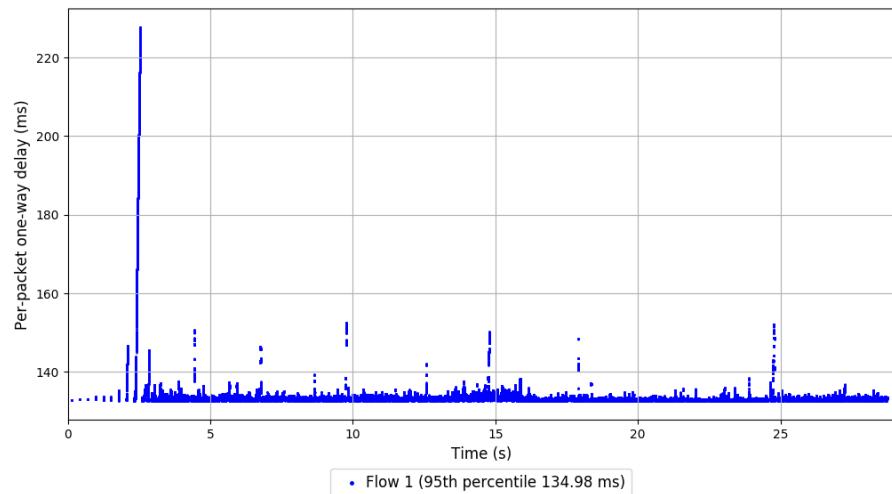
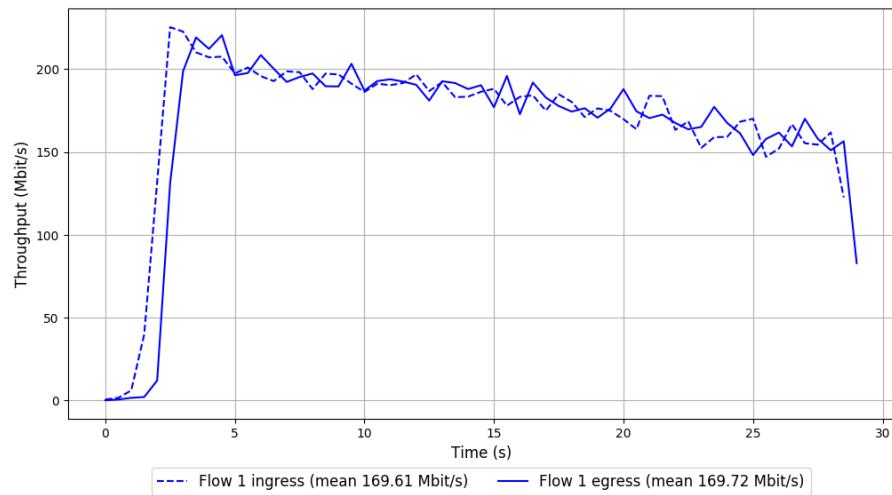


Run 1: Statistics of Indigo

```
Start at: 2019-03-27 05:35:59
End at: 2019-03-27 05:36:29
Local clock offset: -0.278 ms
Remote clock offset: -0.094 ms

# Below is generated by plot.py at 2019-03-27 09:03:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 169.72 Mbit/s
95th percentile per-packet one-way delay: 134.977 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 169.72 Mbit/s
95th percentile per-packet one-way delay: 134.977 ms
Loss rate: 0.86%
```

## Run 1: Report of Indigo — Data Link

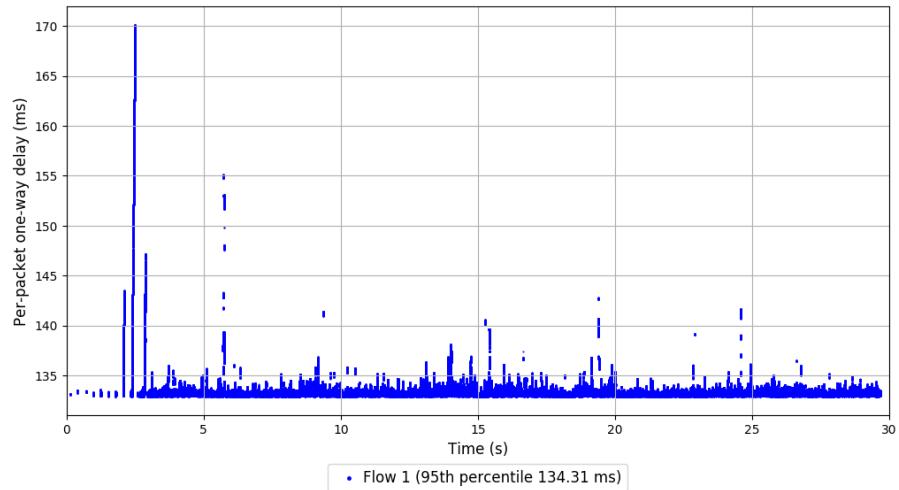
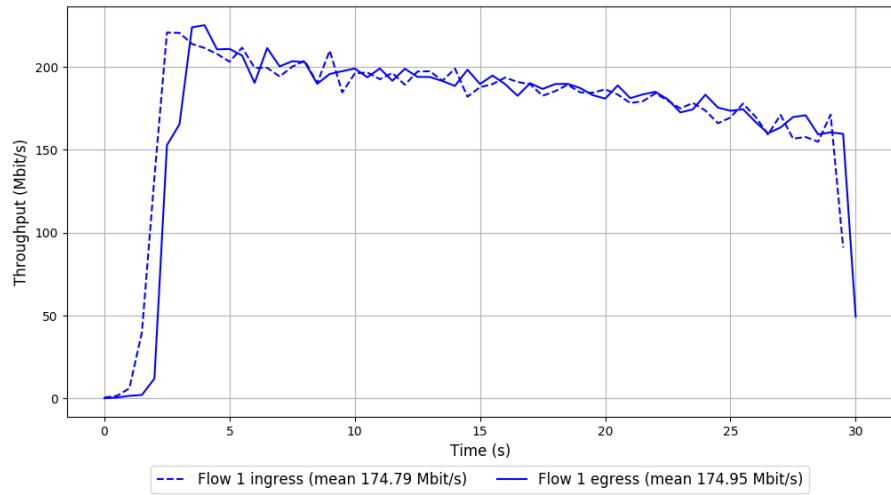


Run 2: Statistics of Indigo

```
Start at: 2019-03-27 06:11:35
End at: 2019-03-27 06:12:05
Local clock offset: 0.028 ms
Remote clock offset: -0.11 ms

# Below is generated by plot.py at 2019-03-27 09:03:05
# Datalink statistics
-- Total of 1 flow:
Average throughput: 174.95 Mbit/s
95th percentile per-packet one-way delay: 134.312 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 174.95 Mbit/s
95th percentile per-packet one-way delay: 134.312 ms
Loss rate: 0.80%
```

Run 2: Report of Indigo — Data Link

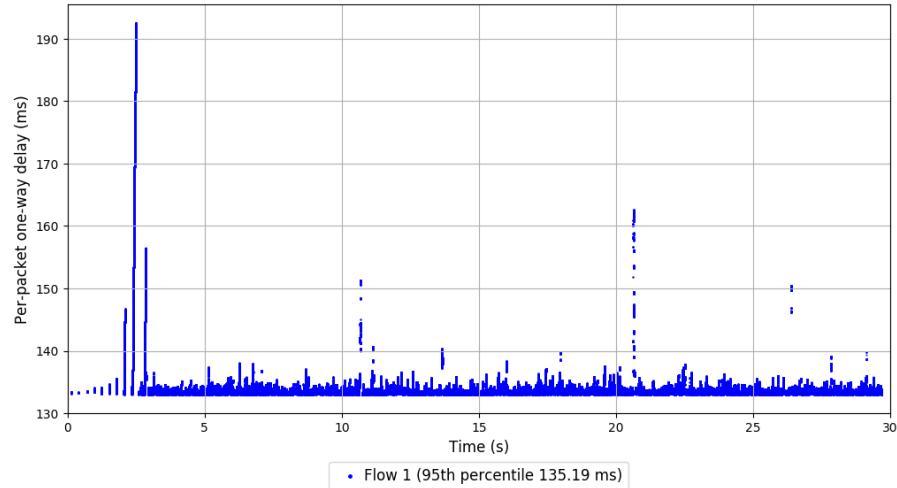
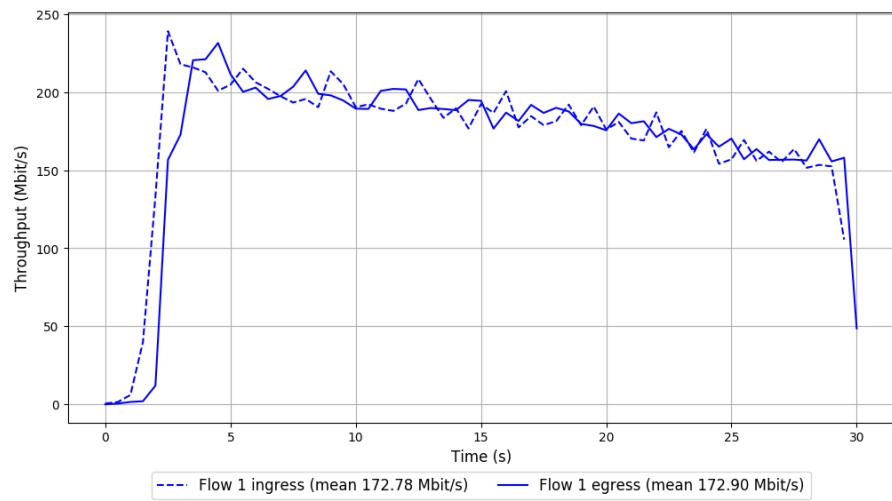


Run 3: Statistics of Indigo

```
Start at: 2019-03-27 06:46:18
End at: 2019-03-27 06:46:48
Local clock offset: 0.106 ms
Remote clock offset: -0.172 ms

# Below is generated by plot.py at 2019-03-27 09:03:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 172.90 Mbit/s
95th percentile per-packet one-way delay: 135.194 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 172.90 Mbit/s
95th percentile per-packet one-way delay: 135.194 ms
Loss rate: 0.82%
```

### Run 3: Report of Indigo — Data Link

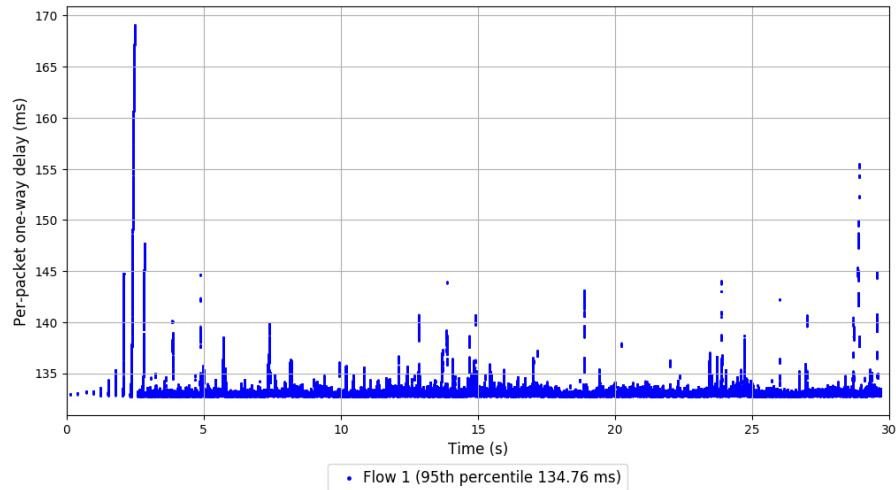
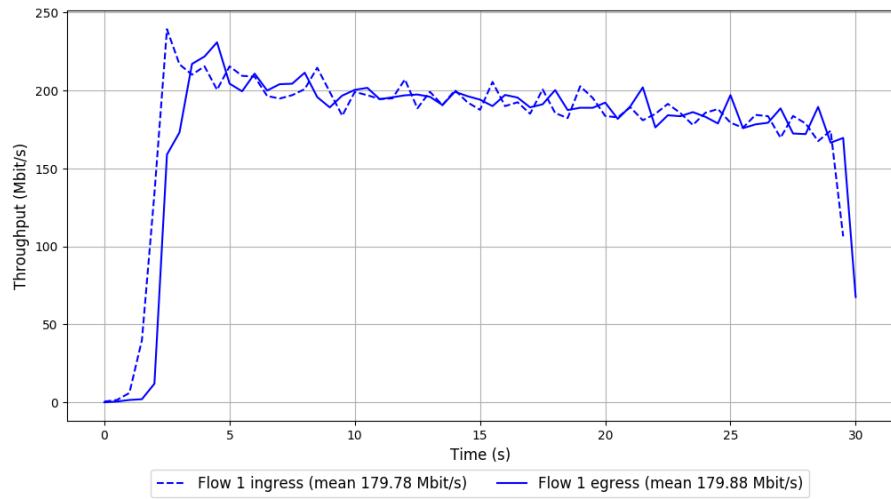


Run 4: Statistics of Indigo

```
Start at: 2019-03-27 07:22:46
End at: 2019-03-27 07:23:16
Local clock offset: -0.116 ms
Remote clock offset: -0.054 ms

# Below is generated by plot.py at 2019-03-27 09:03:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.88 Mbit/s
95th percentile per-packet one-way delay: 134.761 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 179.88 Mbit/s
95th percentile per-packet one-way delay: 134.761 ms
Loss rate: 0.84%
```

Run 4: Report of Indigo — Data Link

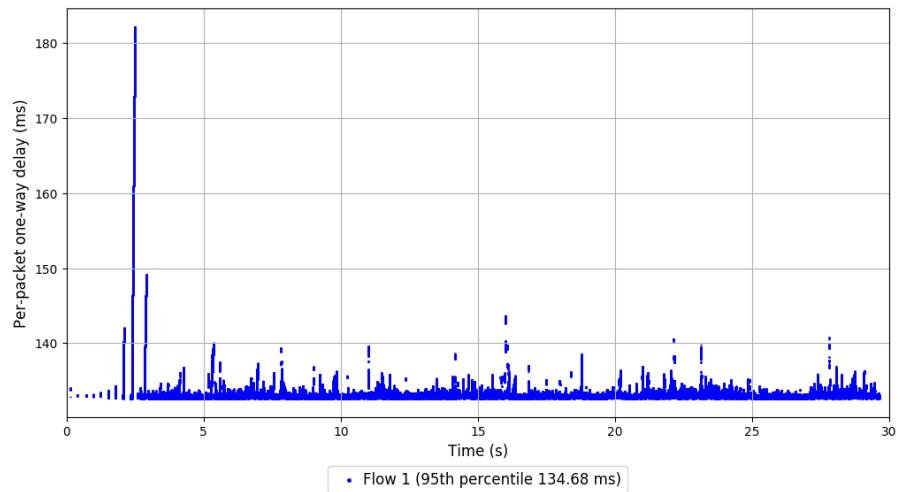
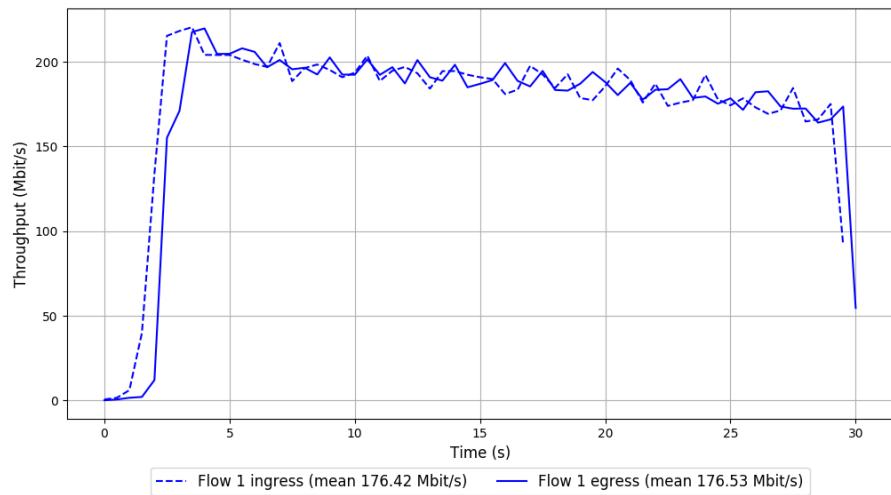


Run 5: Statistics of Indigo

```
Start at: 2019-03-27 07:58:09
End at: 2019-03-27 07:58:39
Local clock offset: -0.42 ms
Remote clock offset: -0.145 ms

# Below is generated by plot.py at 2019-03-27 09:03:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 176.53 Mbit/s
95th percentile per-packet one-way delay: 134.682 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 176.53 Mbit/s
95th percentile per-packet one-way delay: 134.682 ms
Loss rate: 0.84%
```

Run 5: Report of Indigo — Data Link

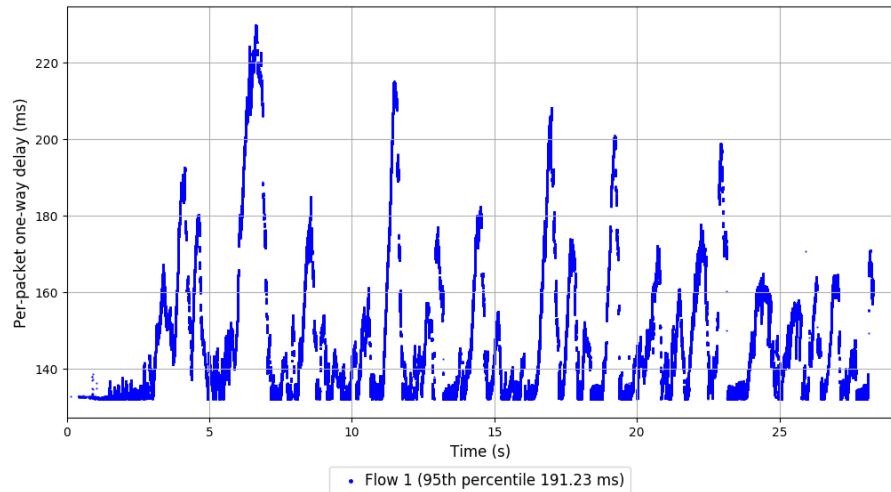
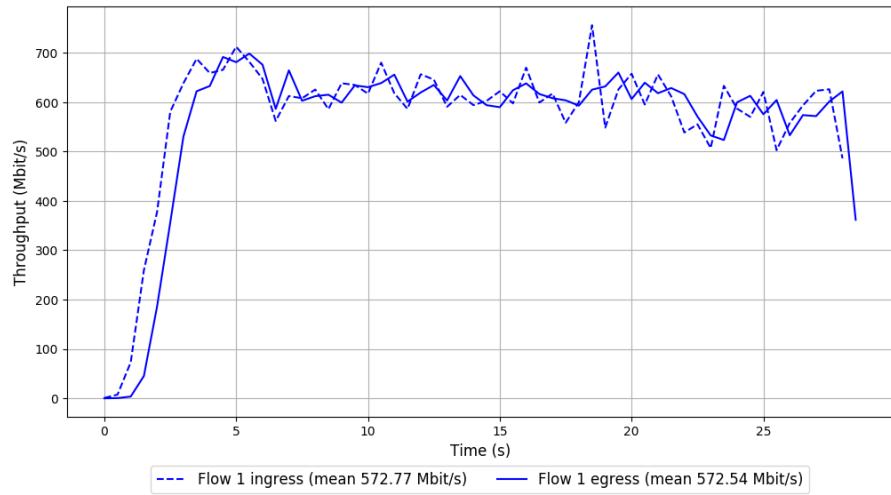


```
Run 1: Statistics of Indigo-MusesC3
```

```
Start at: 2019-03-27 05:41:20
End at: 2019-03-27 05:41:50
Local clock offset: -0.395 ms
Remote clock offset: 0.305 ms

# Below is generated by plot.py at 2019-03-27 09:08:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 572.54 Mbit/s
95th percentile per-packet one-way delay: 191.226 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 572.54 Mbit/s
95th percentile per-packet one-way delay: 191.226 ms
Loss rate: 0.97%
```

## Run 1: Report of Indigo-MusesC3 — Data Link

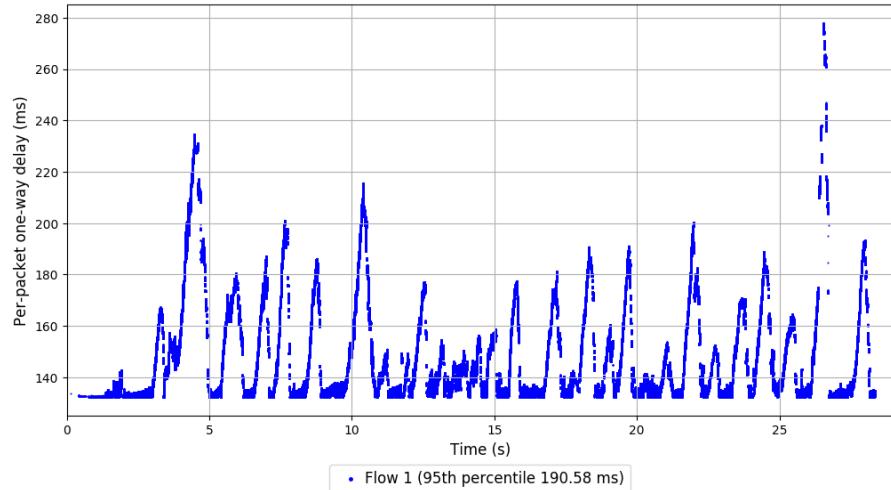
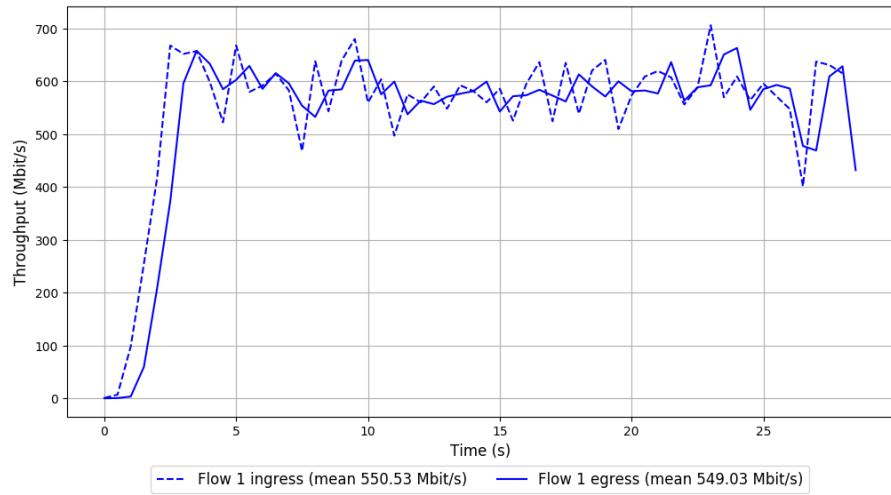


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-03-27 06:17:29
End at: 2019-03-27 06:17:59
Local clock offset: -0.192 ms
Remote clock offset: -0.126 ms

# Below is generated by plot.py at 2019-03-27 09:09:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 549.03 Mbit/s
95th percentile per-packet one-way delay: 190.577 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 549.03 Mbit/s
95th percentile per-packet one-way delay: 190.577 ms
Loss rate: 1.21%
```

## Run 2: Report of Indigo-MusesC3 — Data Link

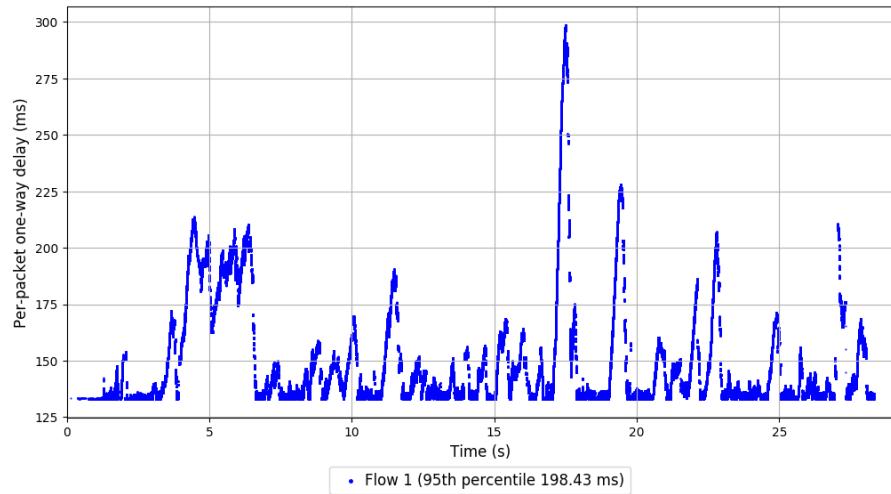
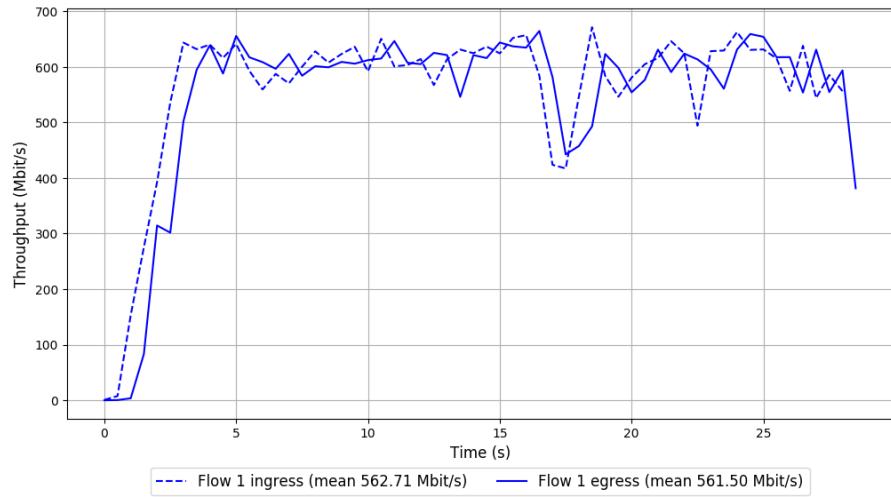


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-03-27 06:51:54
End at: 2019-03-27 06:52:24
Local clock offset: 0.143 ms
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2019-03-27 09:12:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 561.50 Mbit/s
95th percentile per-packet one-way delay: 198.433 ms
Loss rate: 1.15%
-- Flow 1:
Average throughput: 561.50 Mbit/s
95th percentile per-packet one-way delay: 198.433 ms
Loss rate: 1.15%
```

### Run 3: Report of Indigo-MusesC3 — Data Link

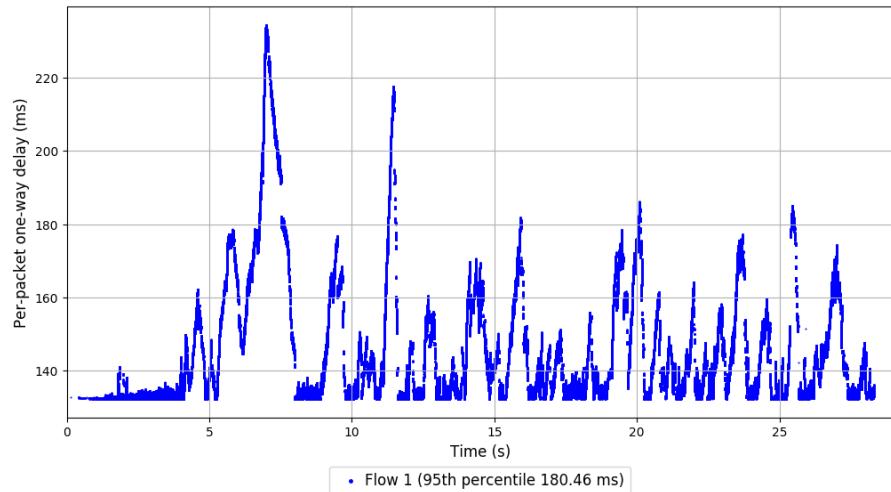
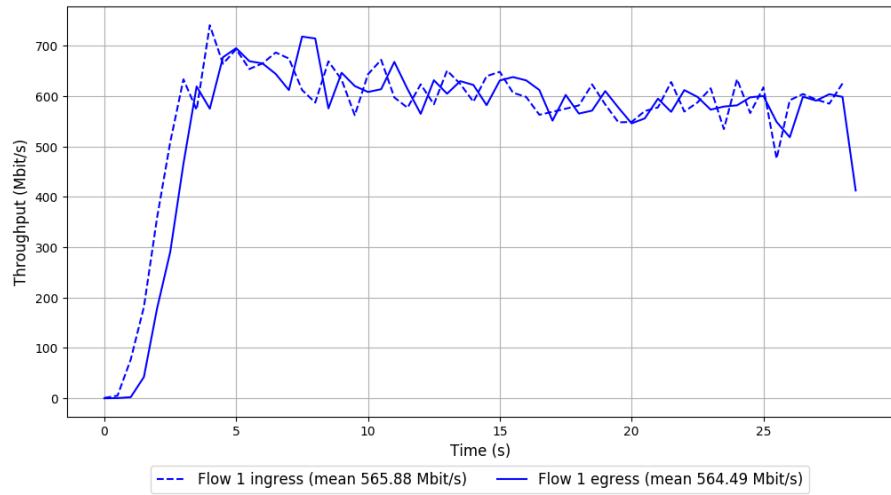


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-03-27 07:28:24
End at: 2019-03-27 07:28:54
Local clock offset: -0.58 ms
Remote clock offset: -0.127 ms

# Below is generated by plot.py at 2019-03-27 09:13:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 564.49 Mbit/s
95th percentile per-packet one-way delay: 180.458 ms
Loss rate: 1.18%
-- Flow 1:
Average throughput: 564.49 Mbit/s
95th percentile per-packet one-way delay: 180.458 ms
Loss rate: 1.18%
```

## Run 4: Report of Indigo-MusesC3 — Data Link

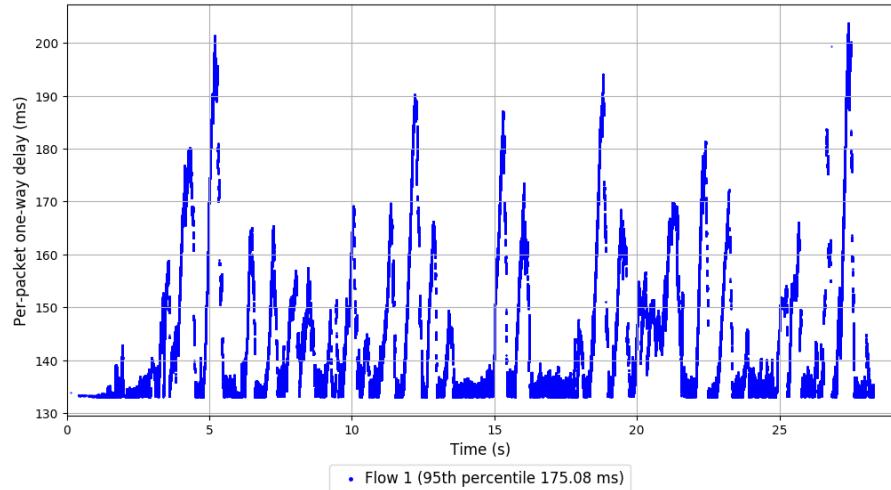
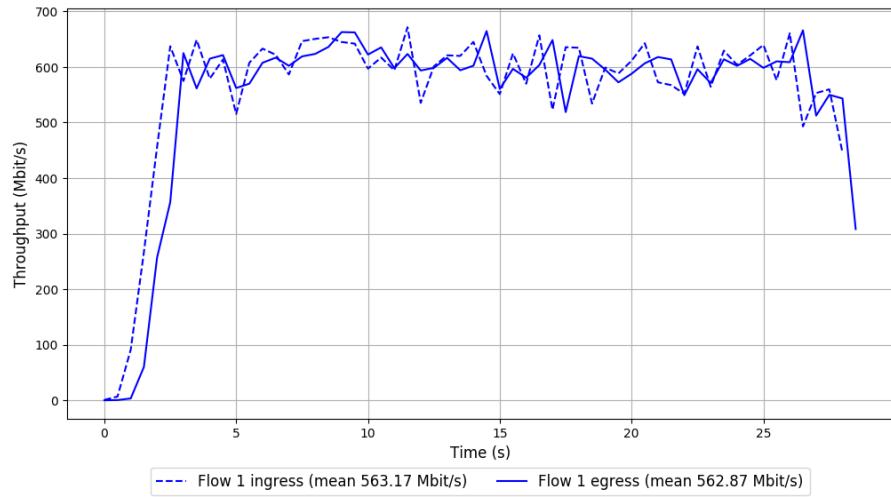


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-03-27 08:03:58
End at: 2019-03-27 08:04:28
Local clock offset: 0.219 ms
Remote clock offset: -0.141 ms

# Below is generated by plot.py at 2019-03-27 09:13:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 562.87 Mbit/s
95th percentile per-packet one-way delay: 175.080 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 562.87 Mbit/s
95th percentile per-packet one-way delay: 175.080 ms
Loss rate: 0.99%
```

## Run 5: Report of Indigo-MusesC3 — Data Link

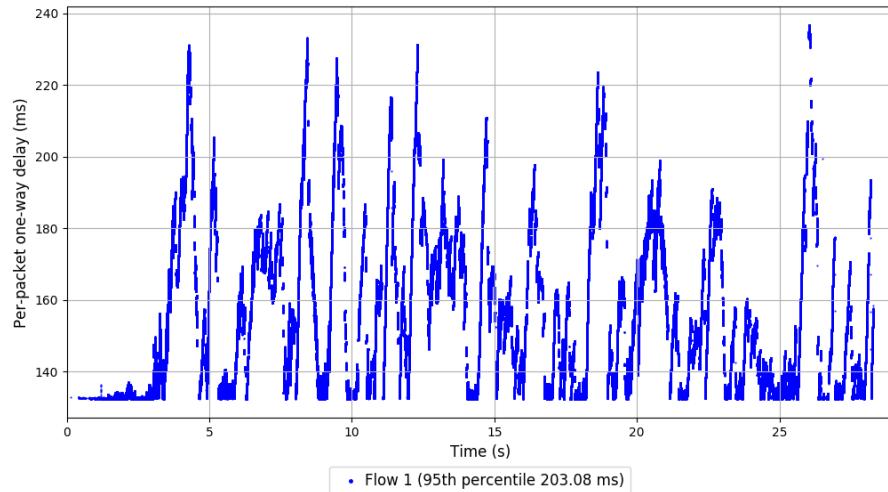
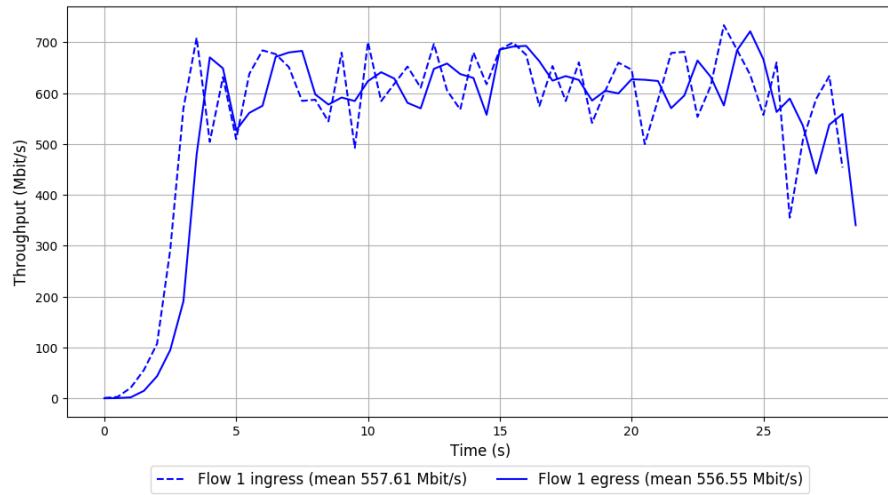


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-03-27 05:44:43
End at: 2019-03-27 05:45:13
Local clock offset: 0.176 ms
Remote clock offset: -0.083 ms

# Below is generated by plot.py at 2019-03-27 09:13:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 556.55 Mbit/s
95th percentile per-packet one-way delay: 203.082 ms
Loss rate: 1.12%
-- Flow 1:
Average throughput: 556.55 Mbit/s
95th percentile per-packet one-way delay: 203.082 ms
Loss rate: 1.12%
```

## Run 1: Report of Indigo-MusesC5 — Data Link

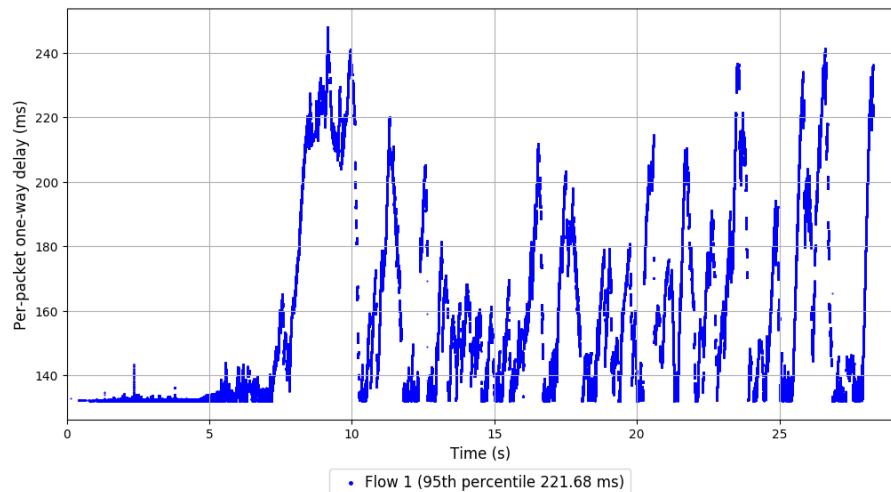
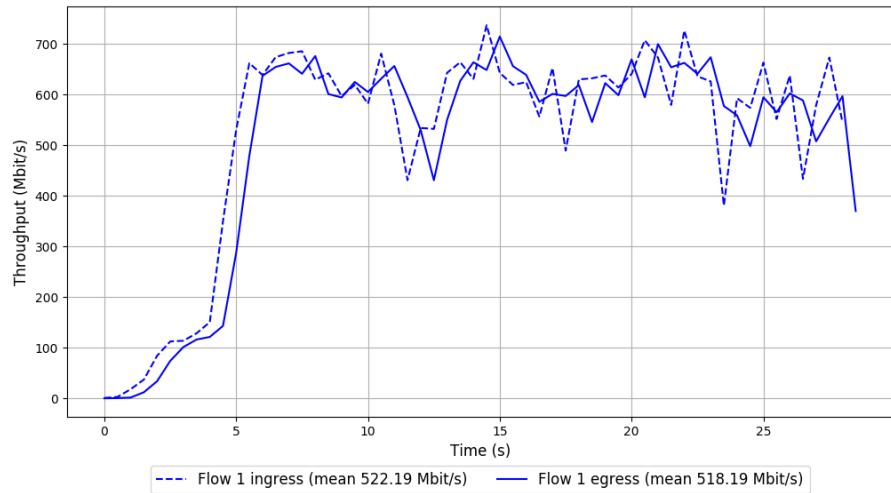


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-03-27 06:20:47
End at: 2019-03-27 06:21:17
Local clock offset: -0.372 ms
Remote clock offset: -0.154 ms

# Below is generated by plot.py at 2019-03-27 09:13:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 518.19 Mbit/s
95th percentile per-packet one-way delay: 221.677 ms
Loss rate: 1.70%
-- Flow 1:
Average throughput: 518.19 Mbit/s
95th percentile per-packet one-way delay: 221.677 ms
Loss rate: 1.70%
```

## Run 2: Report of Indigo-MusesC5 — Data Link

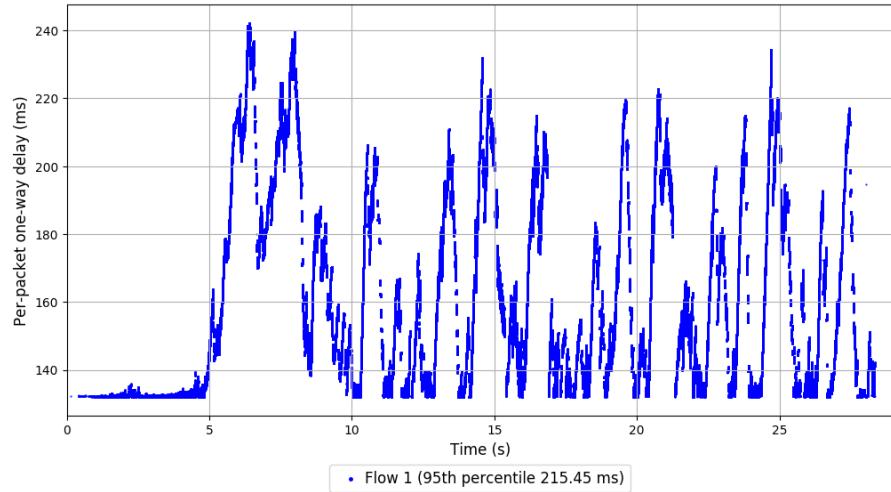
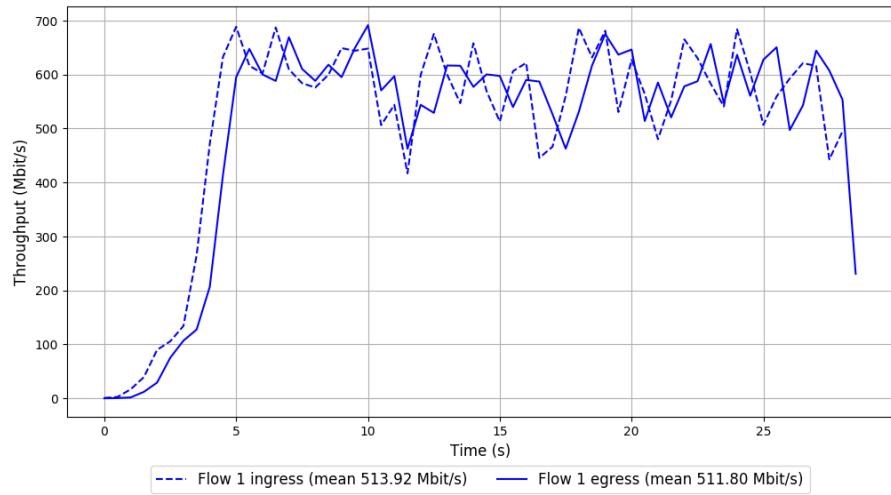


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-03-27 06:55:32
End at: 2019-03-27 06:56:02
Local clock offset: -0.09 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2019-03-27 09:13:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 511.80 Mbit/s
95th percentile per-packet one-way delay: 215.454 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 511.80 Mbit/s
95th percentile per-packet one-way delay: 215.454 ms
Loss rate: 1.35%
```

### Run 3: Report of Indigo-MusesC5 — Data Link

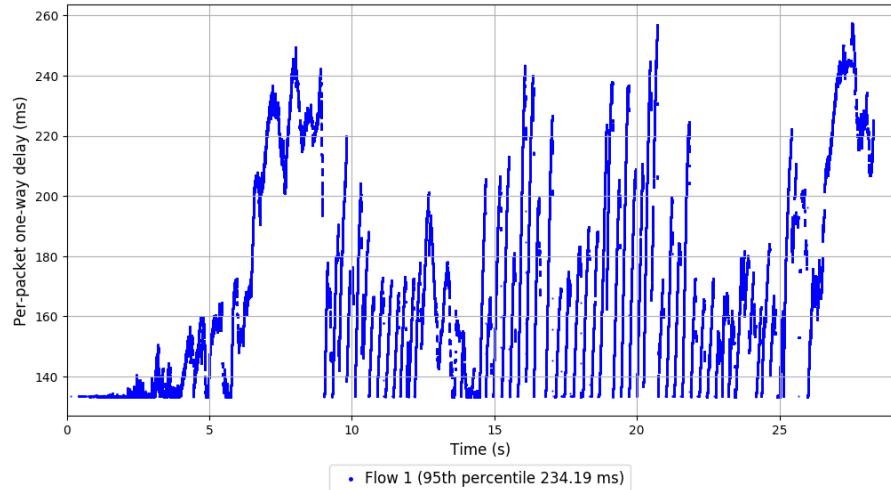
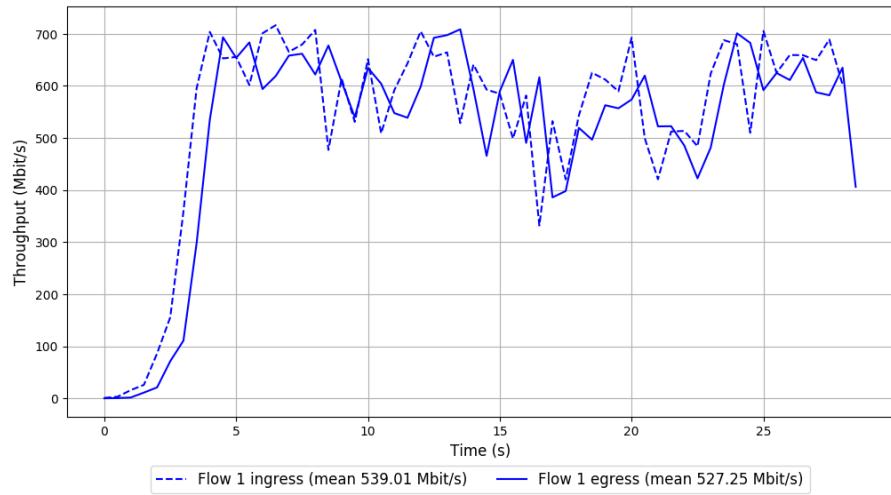


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-03-27 07:32:20
End at: 2019-03-27 07:32:50
Local clock offset: 0.202 ms
Remote clock offset: -0.129 ms

# Below is generated by plot.py at 2019-03-27 09:19:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 527.25 Mbit/s
95th percentile per-packet one-way delay: 234.193 ms
Loss rate: 3.10%
-- Flow 1:
Average throughput: 527.25 Mbit/s
95th percentile per-packet one-way delay: 234.193 ms
Loss rate: 3.10%
```

## Run 4: Report of Indigo-MusesC5 — Data Link

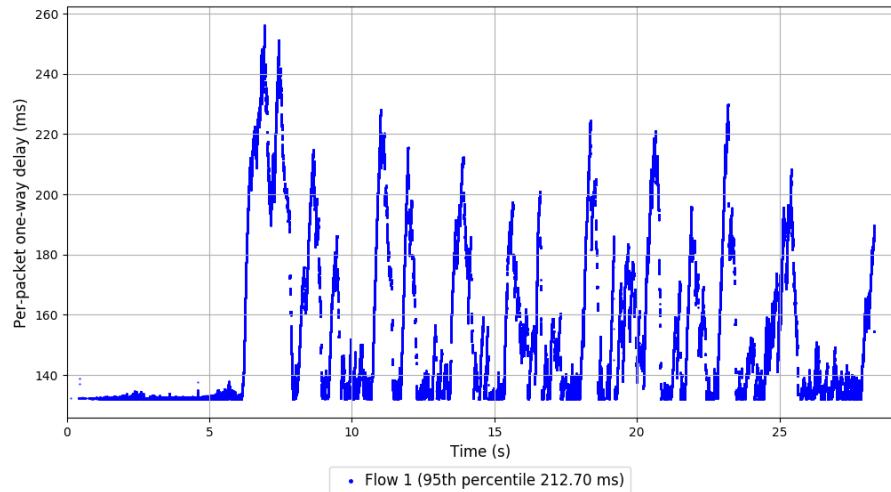
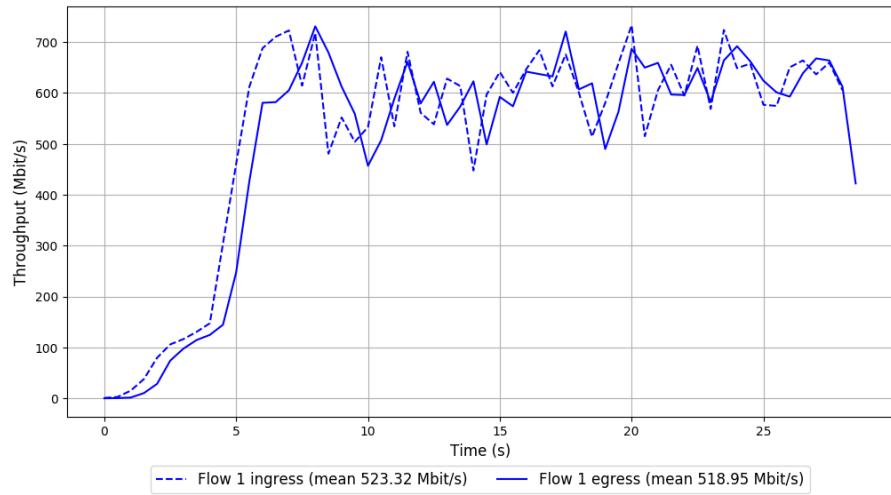


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-03-27 08:07:17
End at: 2019-03-27 08:07:47
Local clock offset: -0.098 ms
Remote clock offset: -0.14 ms

# Below is generated by plot.py at 2019-03-27 09:19:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 518.95 Mbit/s
95th percentile per-packet one-way delay: 212.698 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 518.95 Mbit/s
95th percentile per-packet one-way delay: 212.698 ms
Loss rate: 1.74%
```

### Run 5: Report of Indigo-MusesC5 — Data Link

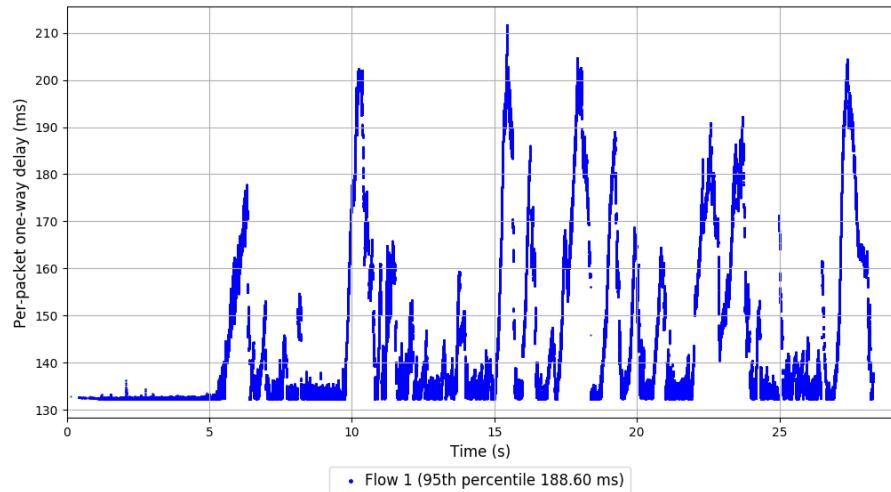
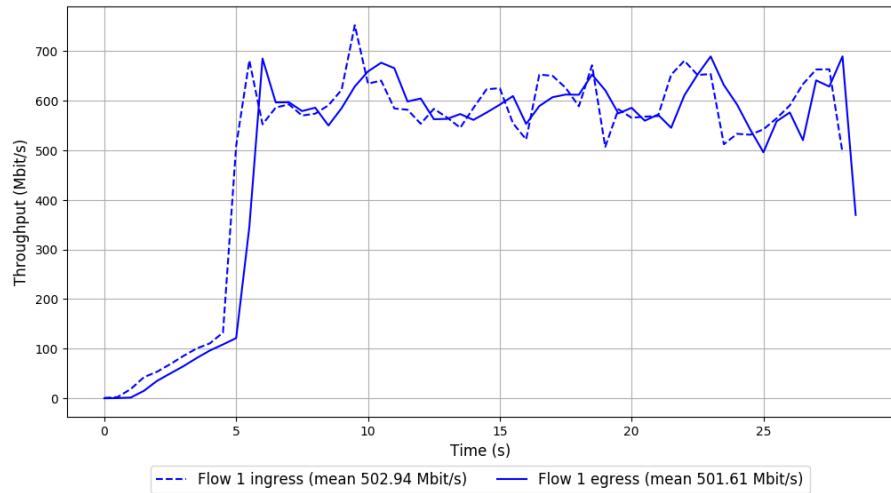


```
Run 1: Statistics of Indigo-MusesD
```

```
Start at: 2019-03-27 05:37:31
End at: 2019-03-27 05:38:01
Local clock offset: -0.116 ms
Remote clock offset: -0.103 ms

# Below is generated by plot.py at 2019-03-27 09:21:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 501.61 Mbit/s
95th percentile per-packet one-way delay: 188.601 ms
Loss rate: 1.20%
-- Flow 1:
Average throughput: 501.61 Mbit/s
95th percentile per-packet one-way delay: 188.601 ms
Loss rate: 1.20%
```

## Run 1: Report of Indigo-MusesD — Data Link

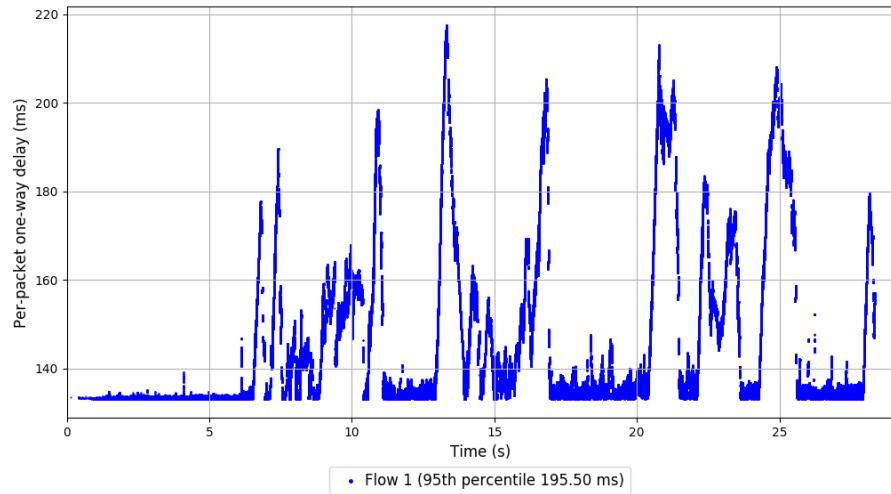
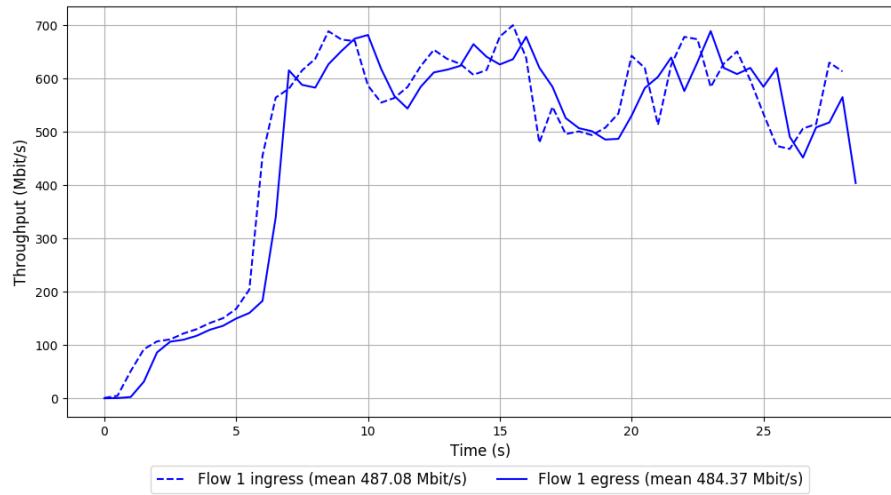


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-03-27 06:13:24
End at: 2019-03-27 06:13:54
Local clock offset: 0.021 ms
Remote clock offset: -0.097 ms

# Below is generated by plot.py at 2019-03-27 09:23:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 484.37 Mbit/s
95th percentile per-packet one-way delay: 195.497 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 484.37 Mbit/s
95th percentile per-packet one-way delay: 195.497 ms
Loss rate: 1.49%
```

## Run 2: Report of Indigo-MusesD — Data Link

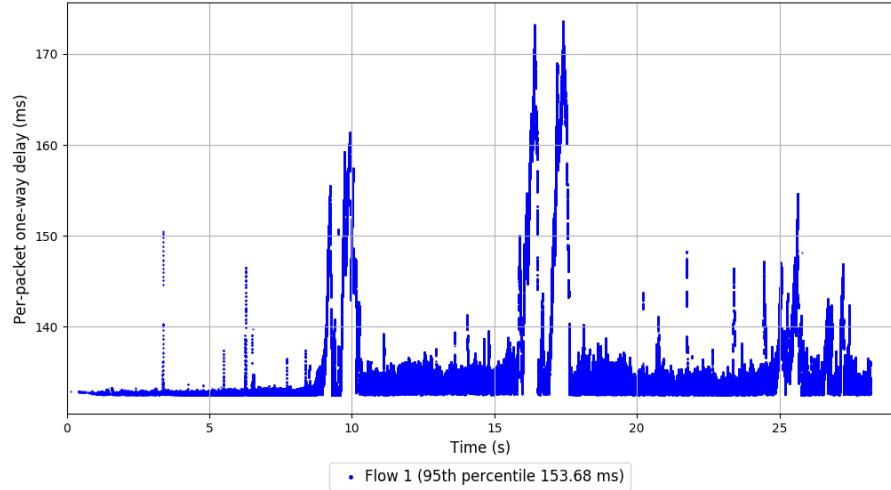
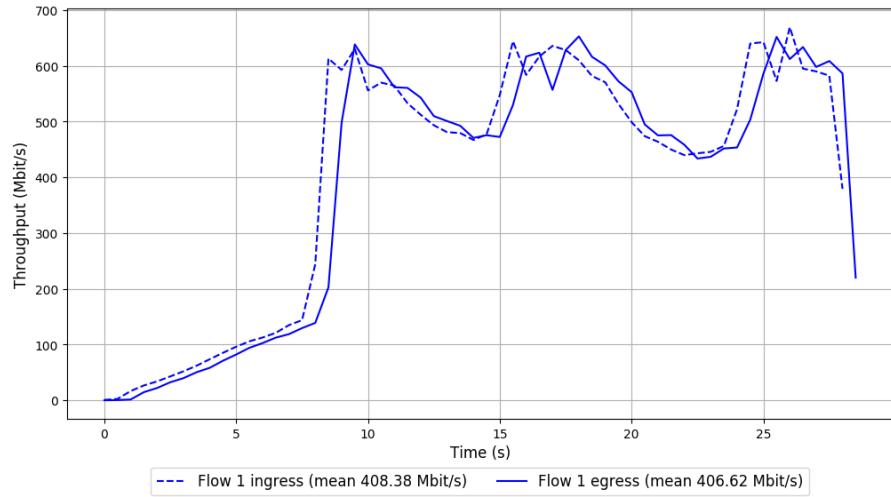


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-03-27 06:48:00
End at: 2019-03-27 06:48:30
Local clock offset: 0.085 ms
Remote clock offset: -0.129 ms

# Below is generated by plot.py at 2019-03-27 09:23:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 406.62 Mbit/s
95th percentile per-packet one-way delay: 153.684 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 406.62 Mbit/s
95th percentile per-packet one-way delay: 153.684 ms
Loss rate: 1.37%
```

### Run 3: Report of Indigo-MusesD — Data Link

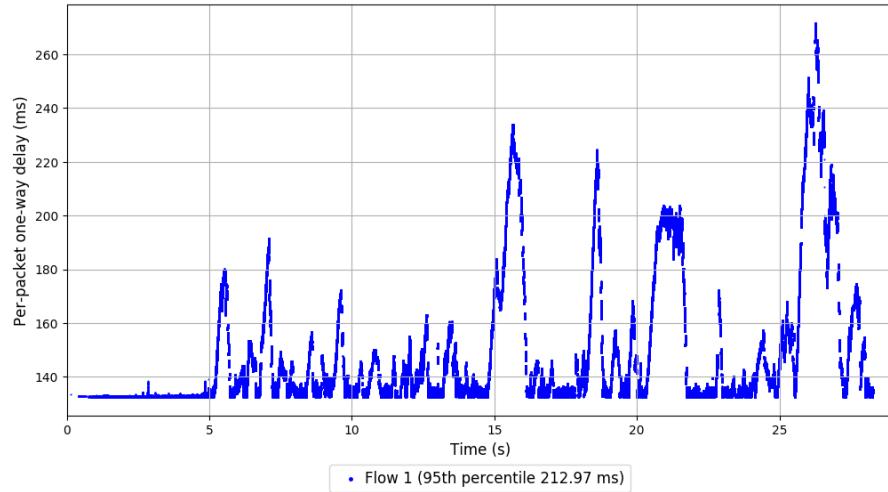
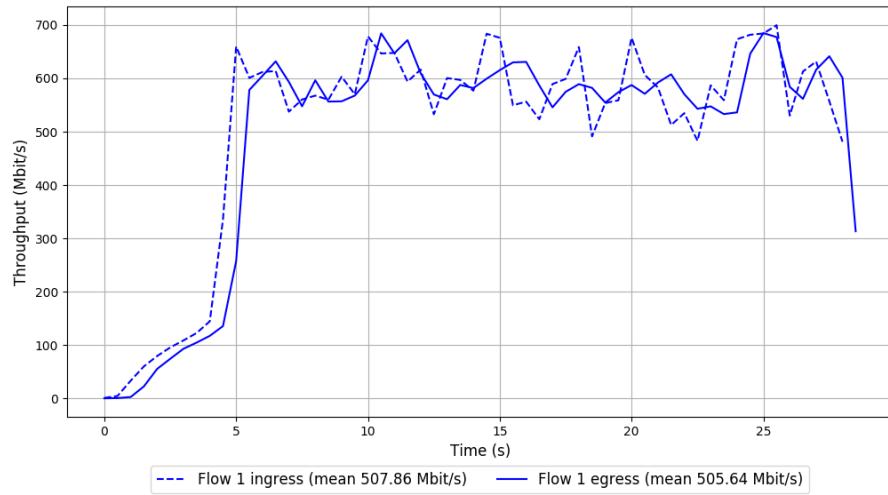


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-03-27 07:24:31
End at: 2019-03-27 07:25:01
Local clock offset: -0.067 ms
Remote clock offset: -0.112 ms

# Below is generated by plot.py at 2019-03-27 09:23:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 505.64 Mbit/s
95th percentile per-packet one-way delay: 212.966 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 505.64 Mbit/s
95th percentile per-packet one-way delay: 212.966 ms
Loss rate: 1.35%
```

## Run 4: Report of Indigo-MusesD — Data Link

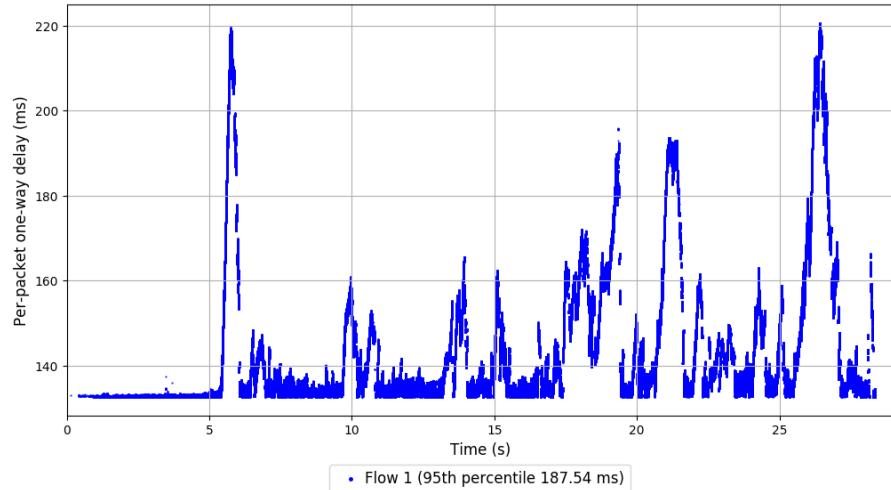
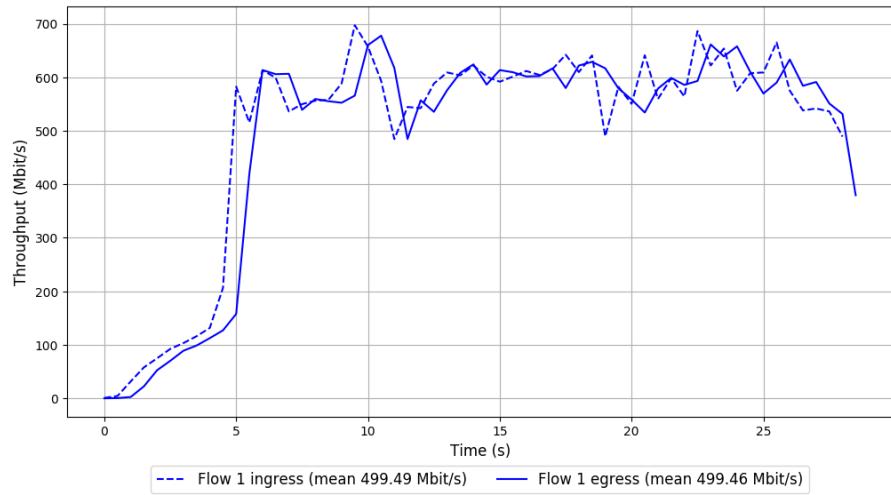


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-03-27 07:59:49
End at: 2019-03-27 08:00:19
Local clock offset: 0.172 ms
Remote clock offset: -0.169 ms

# Below is generated by plot.py at 2019-03-27 09:23:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 499.46 Mbit/s
95th percentile per-packet one-way delay: 187.539 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 499.46 Mbit/s
95th percentile per-packet one-way delay: 187.539 ms
Loss rate: 0.94%
```

## Run 5: Report of Indigo-MusesD — Data Link

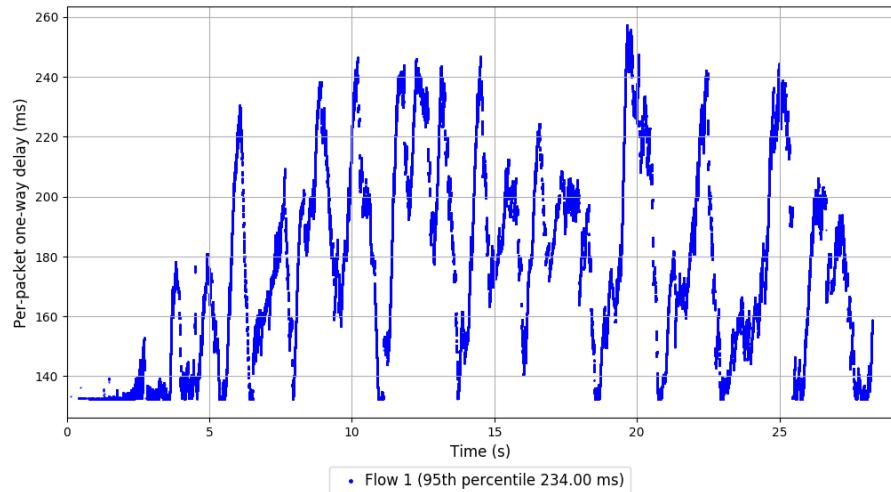
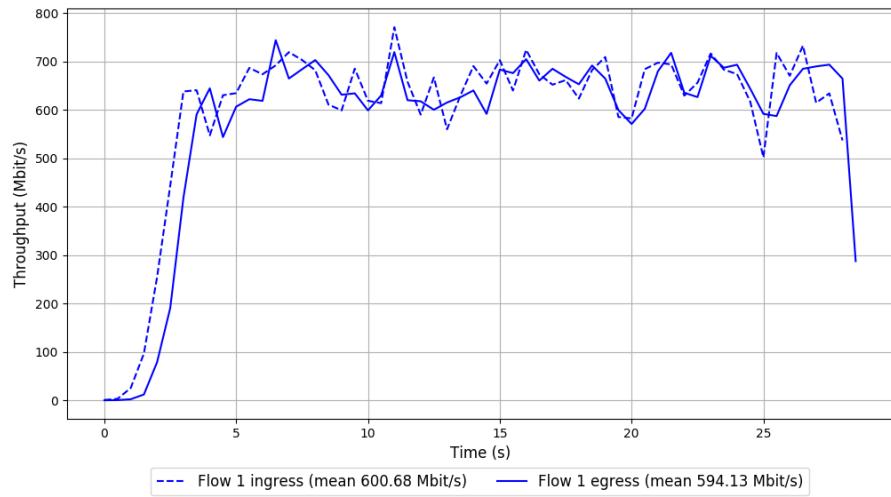


```
Run 1: Statistics of Indigo-MusesT
```

```
Start at: 2019-03-27 05:34:07
End at: 2019-03-27 05:34:37
Local clock offset: -0.316 ms
Remote clock offset: -0.12 ms

# Below is generated by plot.py at 2019-03-27 09:25:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 594.13 Mbit/s
95th percentile per-packet one-way delay: 234.004 ms
Loss rate: 2.02%
-- Flow 1:
Average throughput: 594.13 Mbit/s
95th percentile per-packet one-way delay: 234.004 ms
Loss rate: 2.02%
```

## Run 1: Report of Indigo-MusesT — Data Link

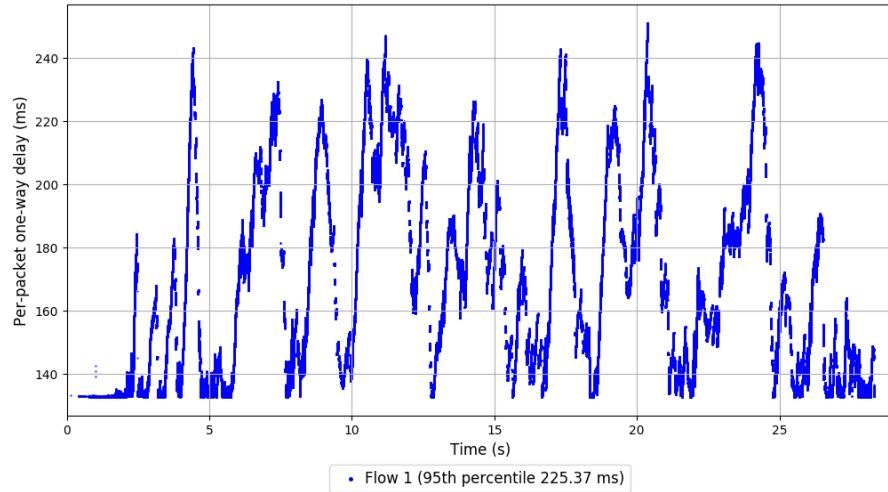
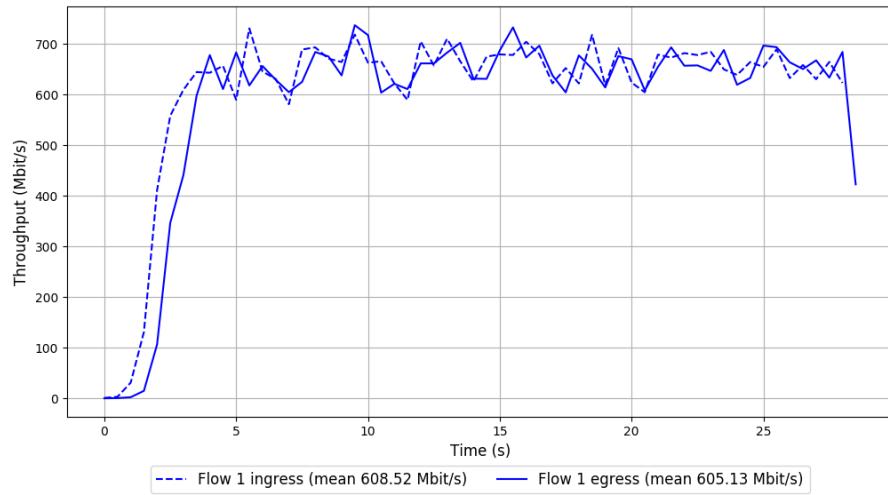


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-03-27 06:09:35
End at: 2019-03-27 06:10:05
Local clock offset: -0.041 ms
Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2019-03-27 09:30:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 605.13 Mbit/s
95th percentile per-packet one-way delay: 225.367 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 605.13 Mbit/s
95th percentile per-packet one-way delay: 225.367 ms
Loss rate: 1.49%
```

## Run 2: Report of Indigo-MusesT — Data Link

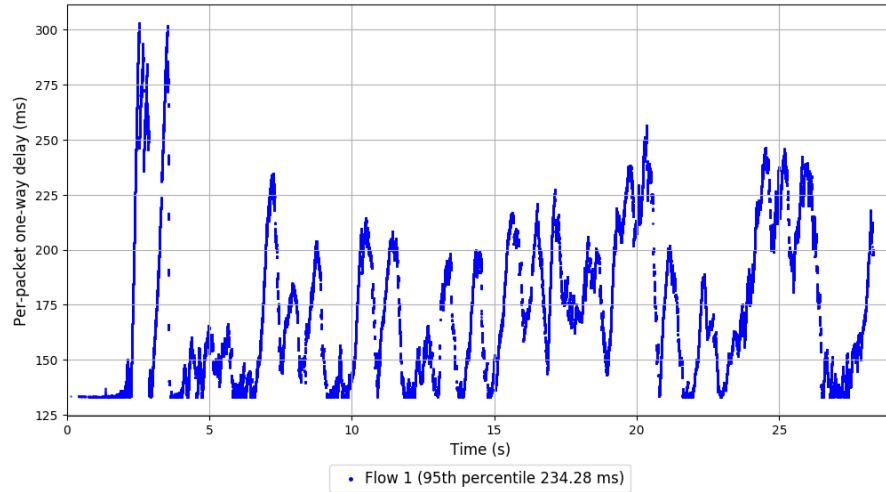
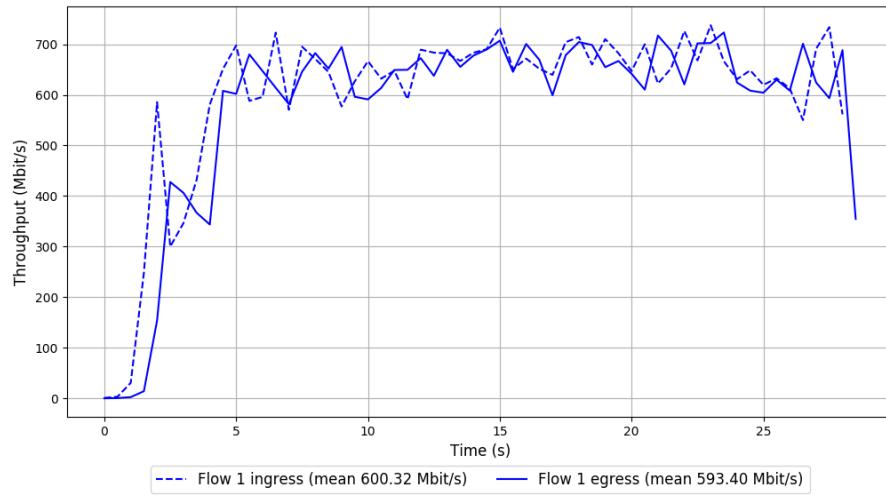


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-03-27 06:44:08
End at: 2019-03-27 06:44:38
Local clock offset: 0.1 ms
Remote clock offset: -0.172 ms

# Below is generated by plot.py at 2019-03-27 09:30:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 593.40 Mbit/s
95th percentile per-packet one-way delay: 234.282 ms
Loss rate: 2.08%
-- Flow 1:
Average throughput: 593.40 Mbit/s
95th percentile per-packet one-way delay: 234.282 ms
Loss rate: 2.08%
```

### Run 3: Report of Indigo-MusesT — Data Link

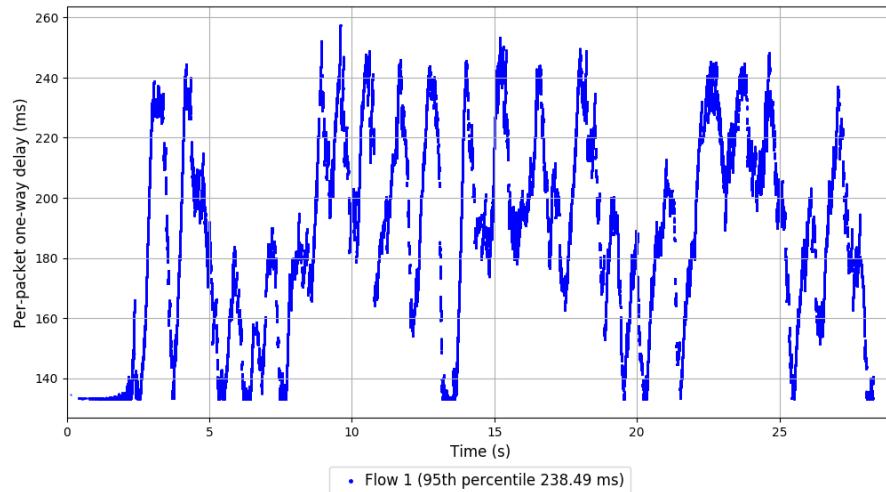
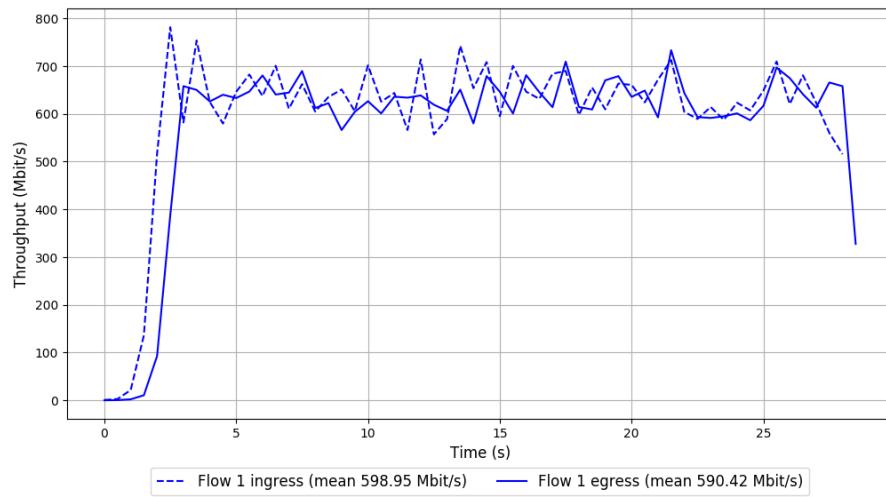


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-03-27 07:20:23
End at: 2019-03-27 07:20:53
Local clock offset: 0.095 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2019-03-27 09:32:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 590.42 Mbit/s
95th percentile per-packet one-way delay: 238.490 ms
Loss rate: 2.35%
-- Flow 1:
Average throughput: 590.42 Mbit/s
95th percentile per-packet one-way delay: 238.490 ms
Loss rate: 2.35%
```

## Run 4: Report of Indigo-MusesT — Data Link

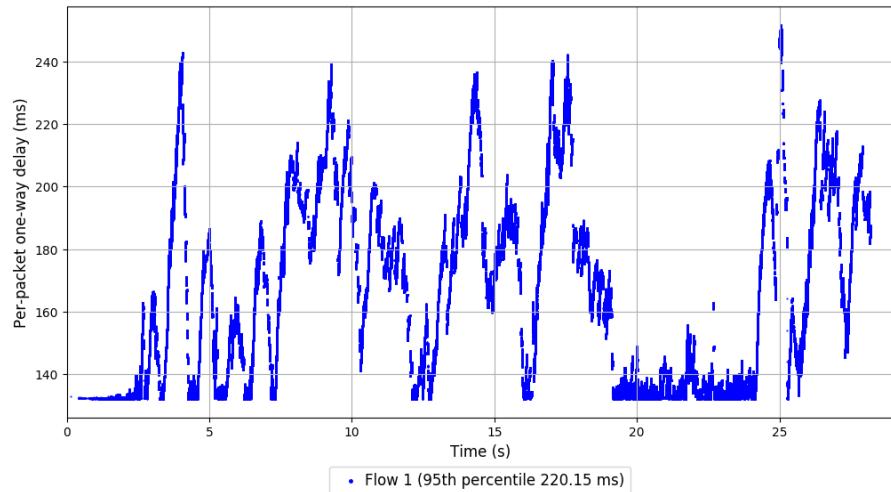
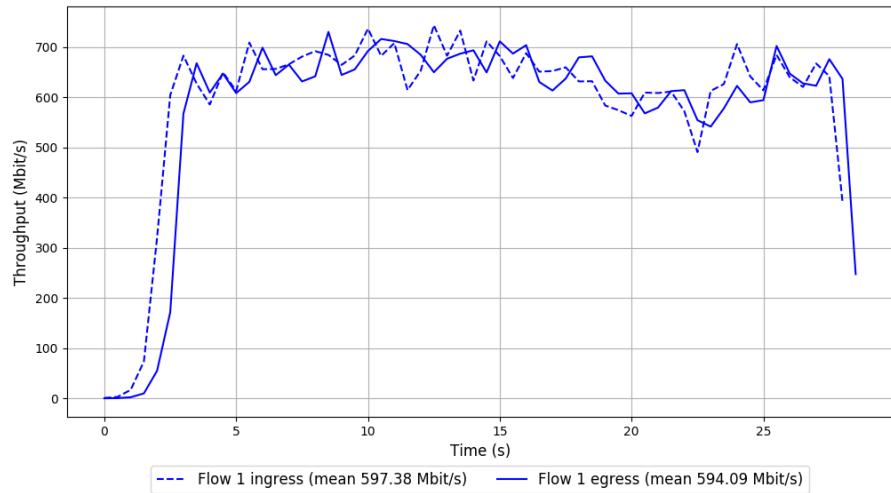


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-03-27 07:55:39
End at: 2019-03-27 07:56:09
Local clock offset: -0.484 ms
Remote clock offset: -0.145 ms

# Below is generated by plot.py at 2019-03-27 09:33:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 594.09 Mbit/s
95th percentile per-packet one-way delay: 220.146 ms
Loss rate: 1.49%
-- Flow 1:
Average throughput: 594.09 Mbit/s
95th percentile per-packet one-way delay: 220.146 ms
Loss rate: 1.49%
```

## Run 5: Report of Indigo-MusesT — Data Link

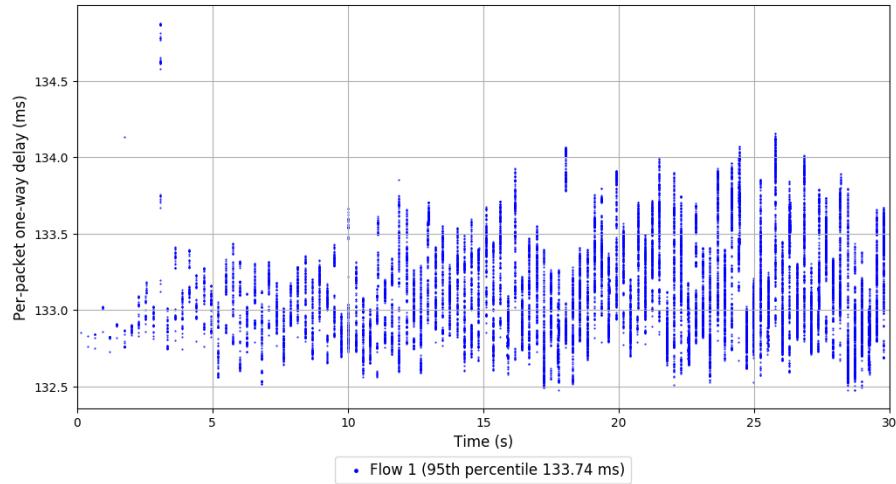
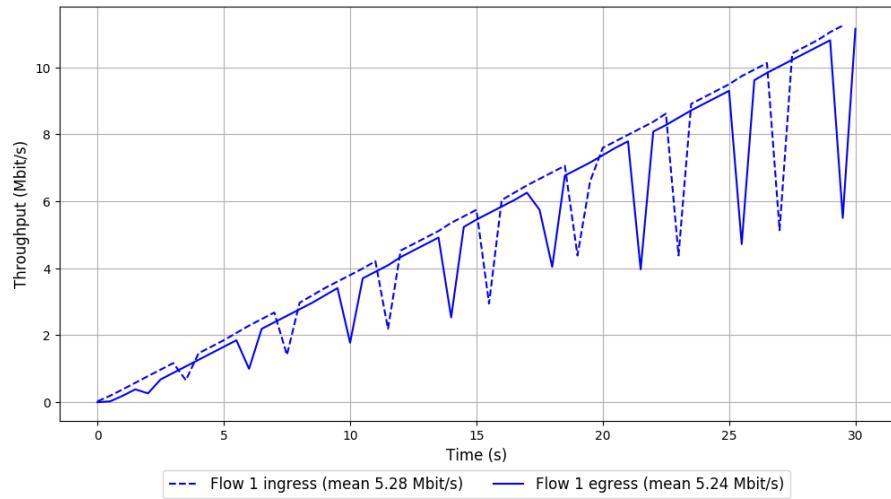


Run 1: Statistics of LEDBAT

```
Start at: 2019-03-27 05:32:54
End at: 2019-03-27 05:33:25
Local clock offset: -0.476 ms
Remote clock offset: -0.136 ms

# Below is generated by plot.py at 2019-03-27 09:33:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.24 Mbit/s
95th percentile per-packet one-way delay: 133.735 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 5.24 Mbit/s
95th percentile per-packet one-way delay: 133.735 ms
Loss rate: 1.79%
```

Run 1: Report of LEDBAT — Data Link

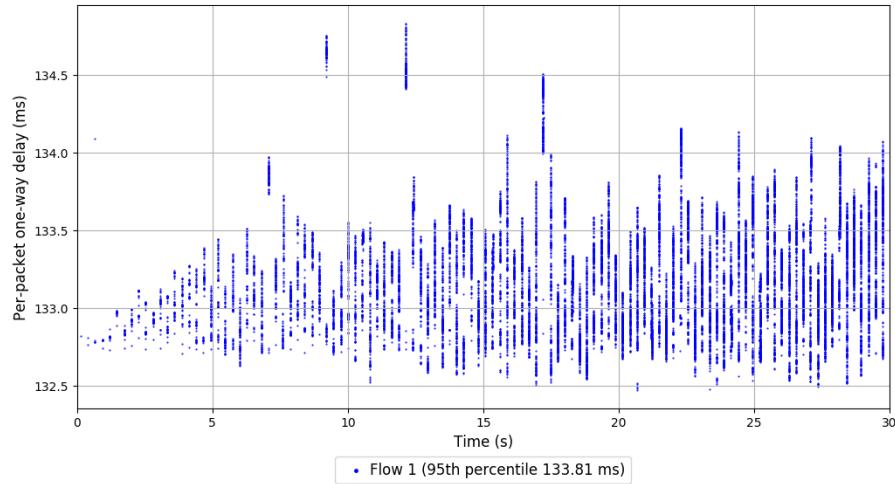
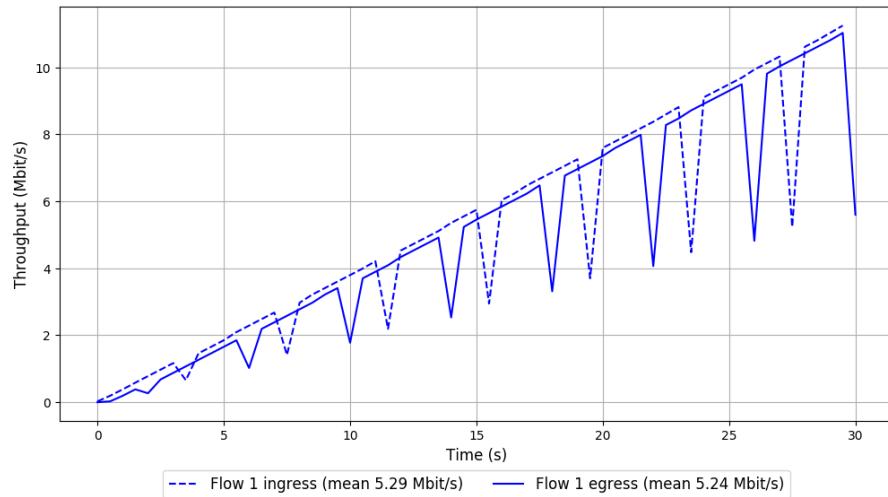


Run 2: Statistics of LEDBAT

```
Start at: 2019-03-27 06:08:23
End at: 2019-03-27 06:08:53
Local clock offset: -0.412 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2019-03-27 09:33:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.24 Mbit/s
95th percentile per-packet one-way delay: 133.810 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 5.24 Mbit/s
95th percentile per-packet one-way delay: 133.810 ms
Loss rate: 1.79%
```

## Run 2: Report of LEDBAT — Data Link

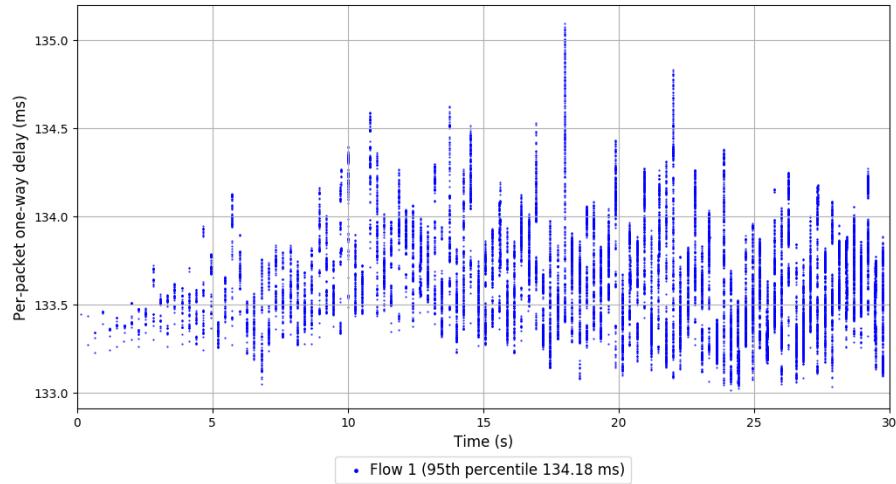
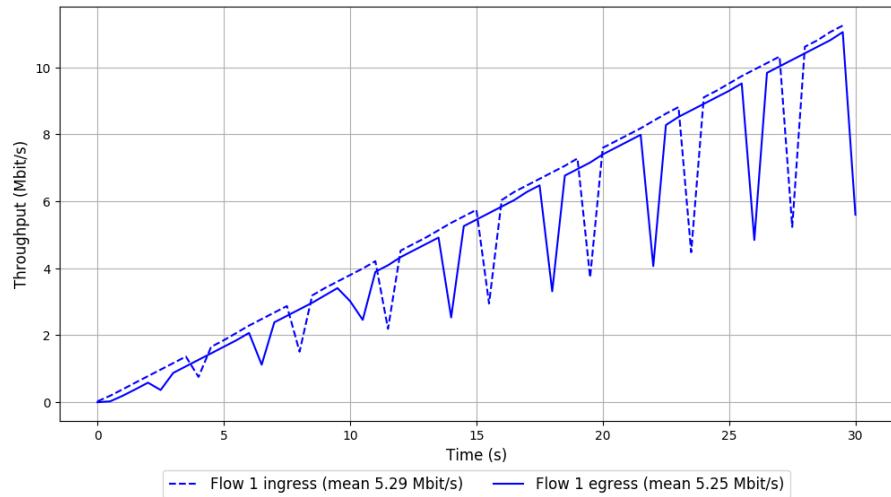


Run 3: Statistics of LEDBAT

```
Start at: 2019-03-27 06:42:56
End at: 2019-03-27 06:43:26
Local clock offset: -0.143 ms
Remote clock offset: -0.167 ms

# Below is generated by plot.py at 2019-03-27 09:33:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 134.183 ms
Loss rate: 1.79%
-- Flow 1:
Average throughput: 5.25 Mbit/s
95th percentile per-packet one-way delay: 134.183 ms
Loss rate: 1.79%
```

Run 3: Report of LEDBAT — Data Link

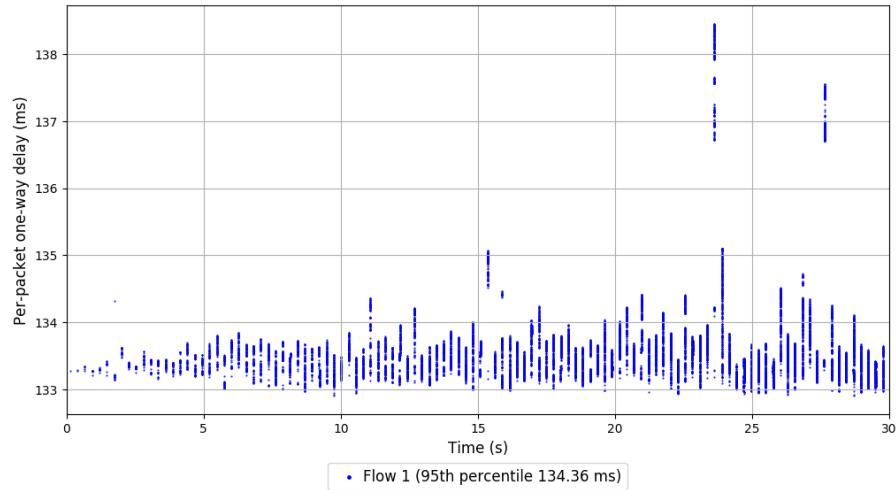
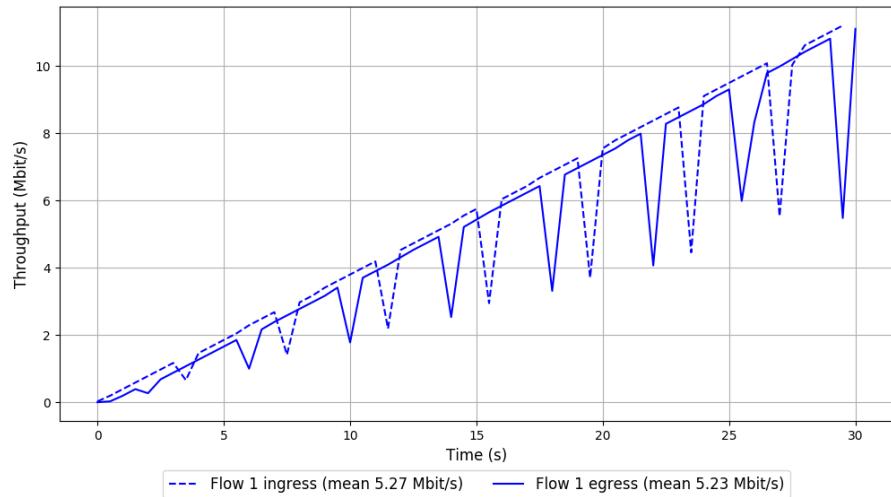


Run 4: Statistics of LEDBAT

```
Start at: 2019-03-27 07:19:10
End at: 2019-03-27 07:19:40
Local clock offset: -0.067 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2019-03-27 09:33:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 134.360 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 5.23 Mbit/s
95th percentile per-packet one-way delay: 134.360 ms
Loss rate: 1.78%
```

Run 4: Report of LEDBAT — Data Link

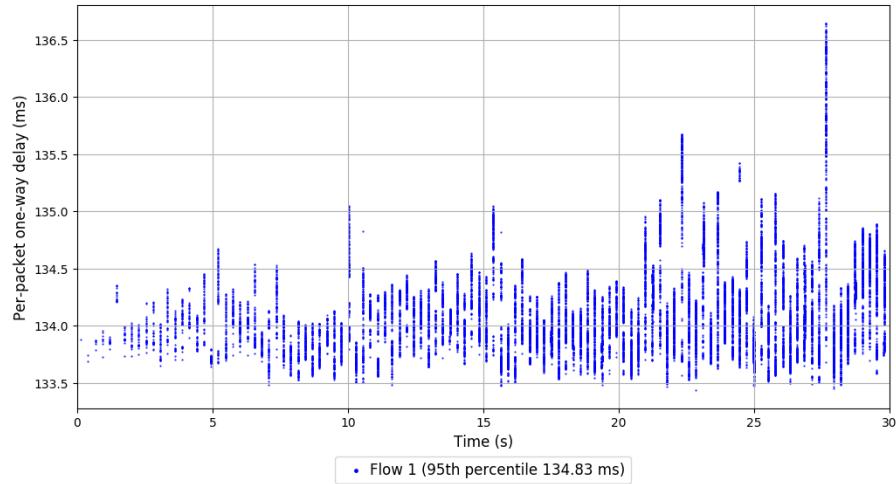
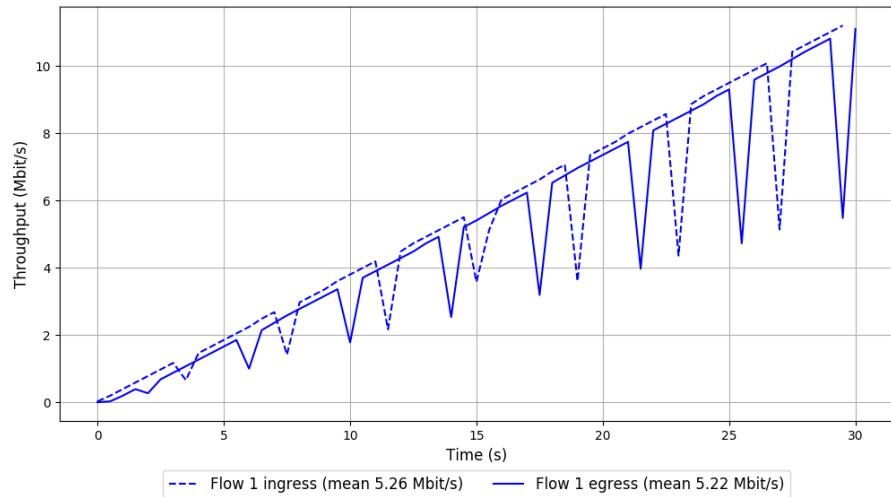


Run 5: Statistics of LEDBAT

```
Start at: 2019-03-27 07:54:27
End at: 2019-03-27 07:54:57
Local clock offset: 0.181 ms
Remote clock offset: -0.181 ms

# Below is generated by plot.py at 2019-03-27 09:33:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 134.833 ms
Loss rate: 1.78%
-- Flow 1:
Average throughput: 5.22 Mbit/s
95th percentile per-packet one-way delay: 134.833 ms
Loss rate: 1.78%
```

Run 5: Report of LEDBAT — Data Link

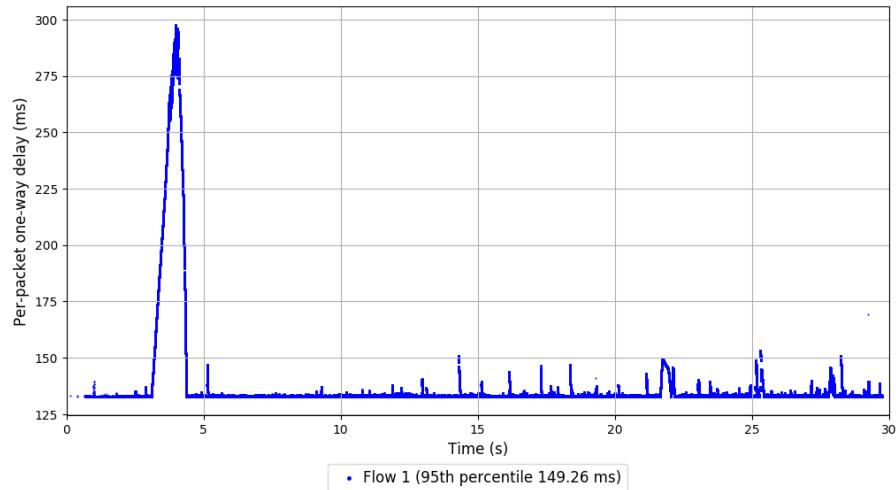
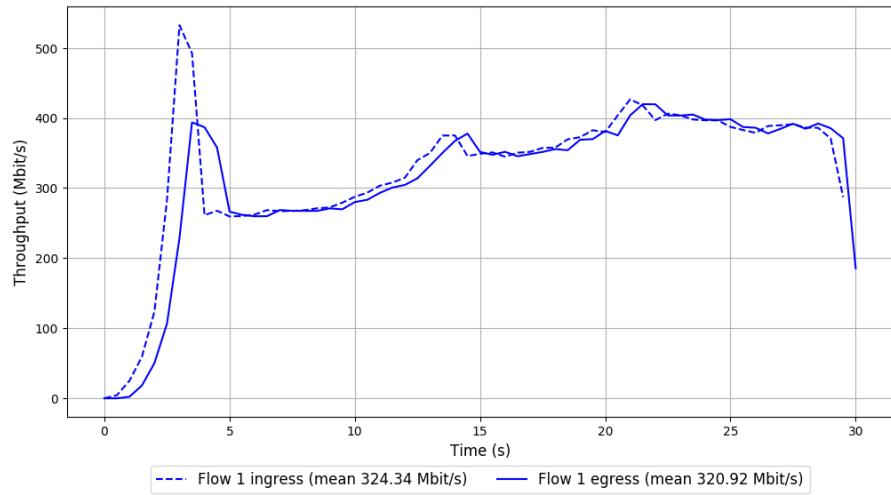


Run 1: Statistics of PCC-Allegro

```
Start at: 2019-03-27 05:29:49
End at: 2019-03-27 05:30:19
Local clock offset: -0.053 ms
Remote clock offset: -0.105 ms

# Below is generated by plot.py at 2019-03-27 09:35:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 320.92 Mbit/s
95th percentile per-packet one-way delay: 149.264 ms
Loss rate: 1.94%
-- Flow 1:
Average throughput: 320.92 Mbit/s
95th percentile per-packet one-way delay: 149.264 ms
Loss rate: 1.94%
```

Run 1: Report of PCC-Allegro — Data Link

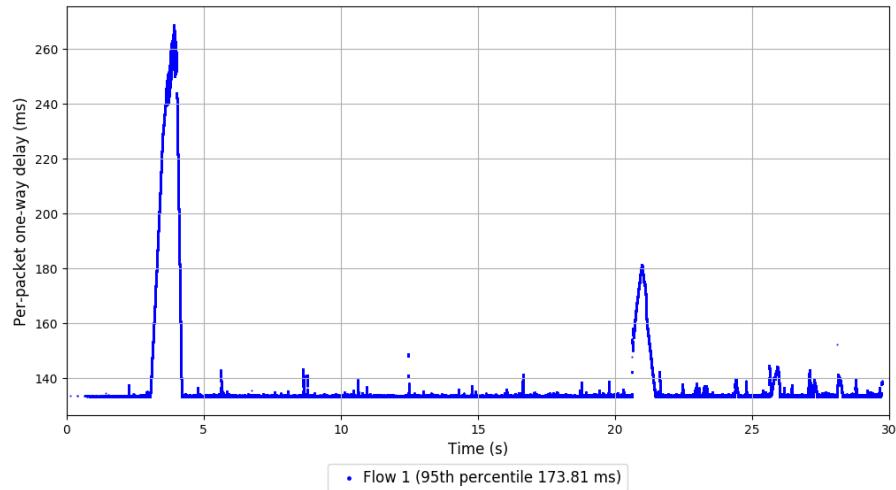
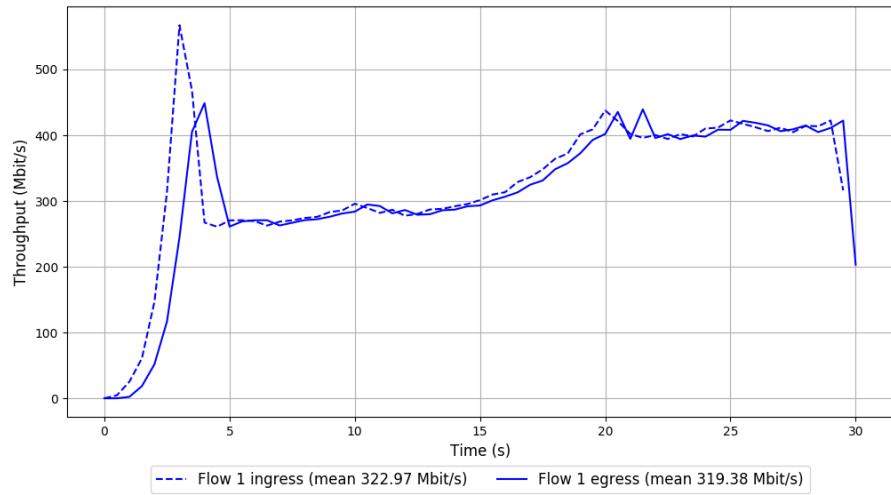


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-03-27 06:05:09
End at: 2019-03-27 06:05:39
Local clock offset: 0.182 ms
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2019-03-27 09:35:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 319.38 Mbit/s
95th percentile per-packet one-way delay: 173.812 ms
Loss rate: 1.99%
-- Flow 1:
Average throughput: 319.38 Mbit/s
95th percentile per-packet one-way delay: 173.812 ms
Loss rate: 1.99%
```

Run 2: Report of PCC-Allegro — Data Link

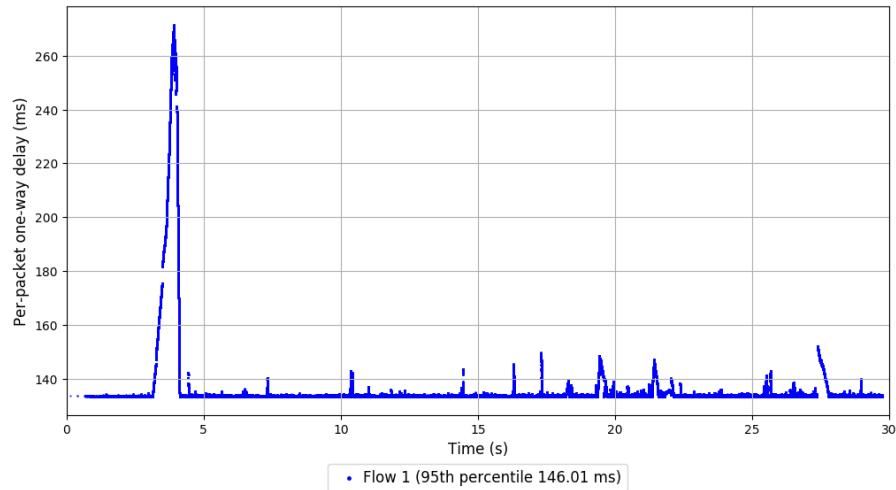
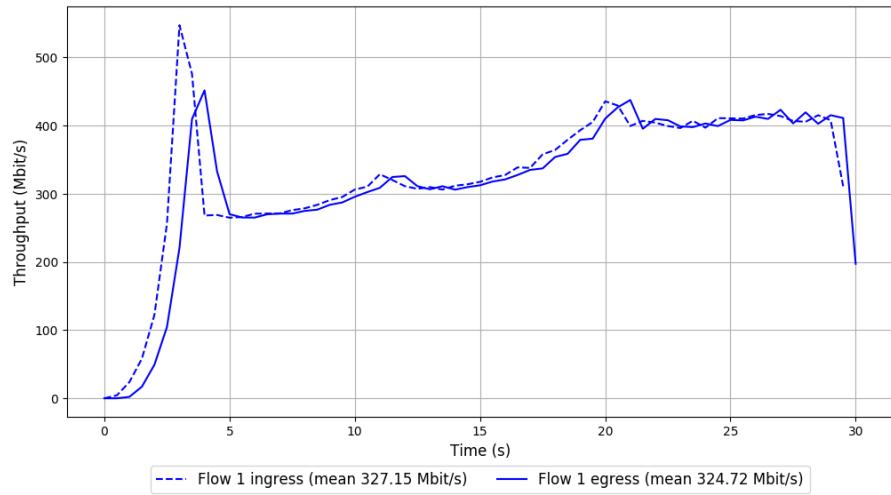


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-03-27 06:40:03
End at: 2019-03-27 06:40:33
Local clock offset: 0.291 ms
Remote clock offset: -0.206 ms

# Below is generated by plot.py at 2019-03-27 09:36:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 324.72 Mbit/s
95th percentile per-packet one-way delay: 146.014 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 324.72 Mbit/s
95th percentile per-packet one-way delay: 146.014 ms
Loss rate: 1.63%
```

Run 3: Report of PCC-Allegro — Data Link

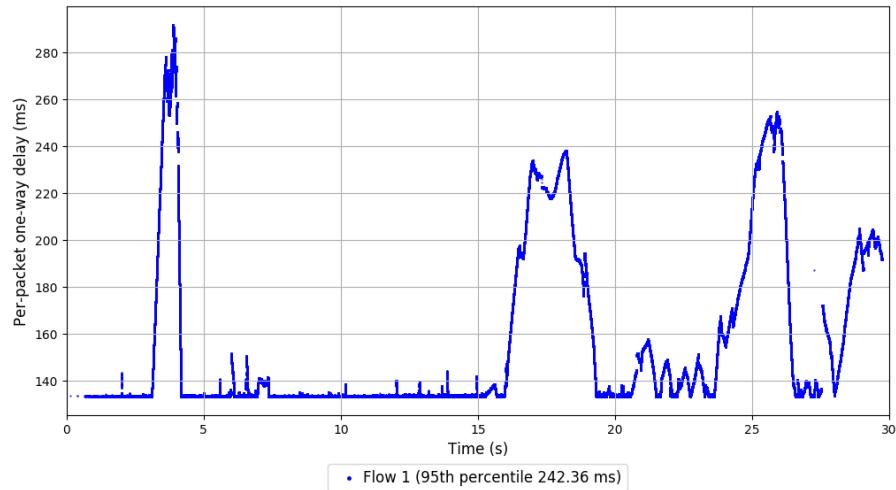
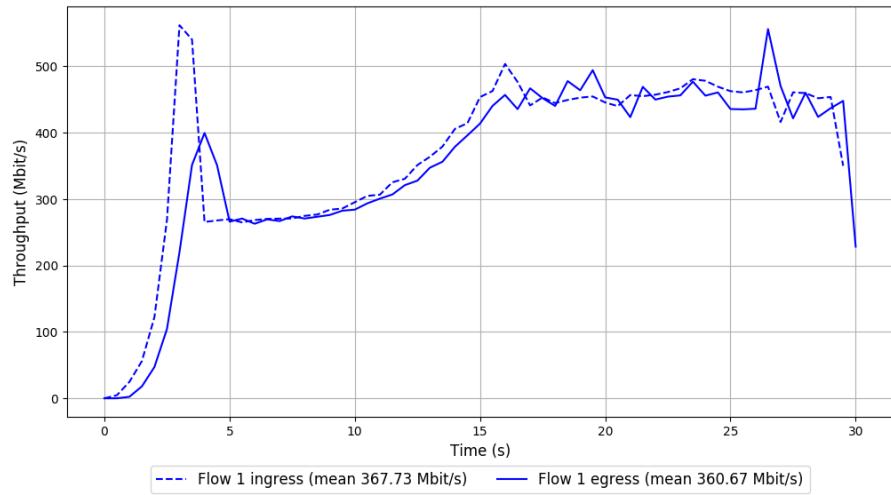


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-03-27 07:16:11
End at: 2019-03-27 07:16:41
Local clock offset: 0.142 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2019-03-27 09:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 360.67 Mbit/s
95th percentile per-packet one-way delay: 242.356 ms
Loss rate: 2.80%
-- Flow 1:
Average throughput: 360.67 Mbit/s
95th percentile per-packet one-way delay: 242.356 ms
Loss rate: 2.80%
```

Run 4: Report of PCC-Allegro — Data Link

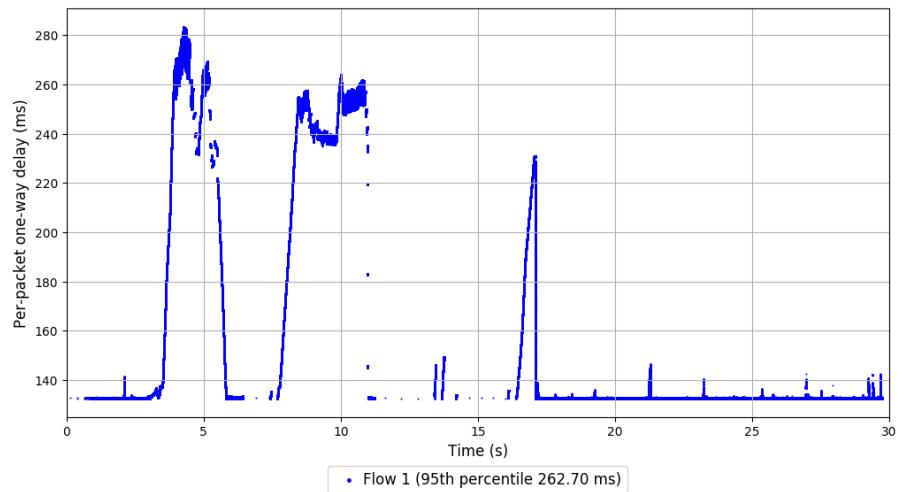
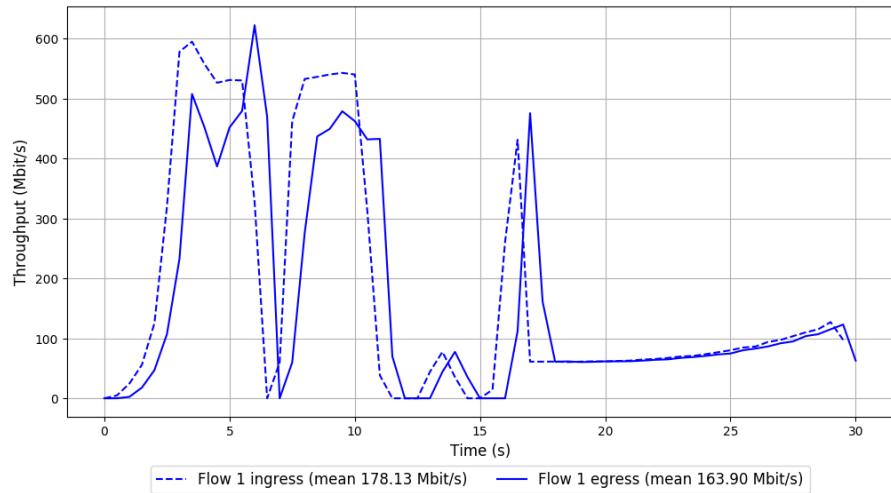


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-03-27 07:51:50
End at: 2019-03-27 07:52:20
Local clock offset: -0.595 ms
Remote clock offset: -0.151 ms

# Below is generated by plot.py at 2019-03-27 09:39:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 163.90 Mbit/s
95th percentile per-packet one-way delay: 262.705 ms
Loss rate: 8.82%
-- Flow 1:
Average throughput: 163.90 Mbit/s
95th percentile per-packet one-way delay: 262.705 ms
Loss rate: 8.82%
```

Run 5: Report of PCC-Allegro — Data Link

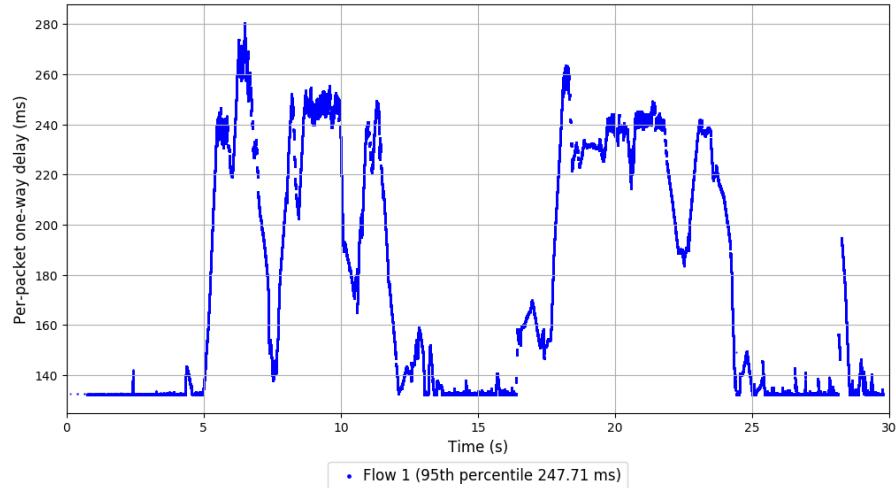
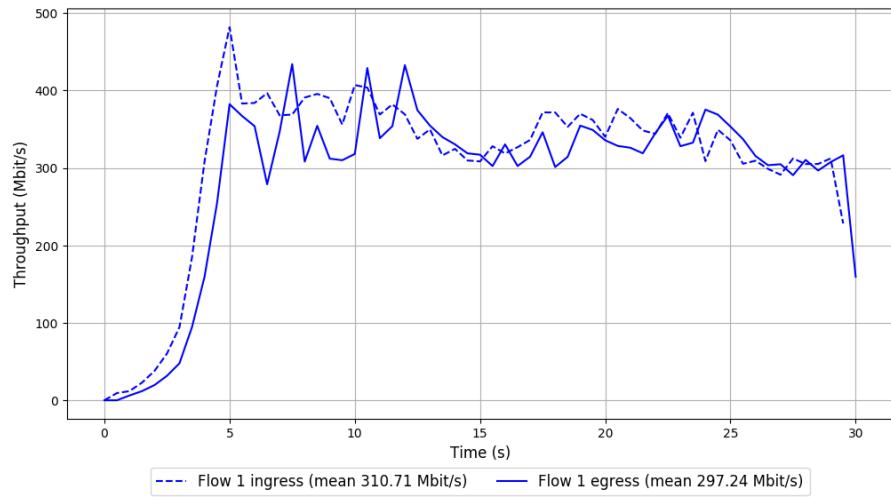


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-03-27 05:23:53
End at: 2019-03-27 05:24:23
Local clock offset: 0.161 ms
Remote clock offset: -0.112 ms

# Below is generated by plot.py at 2019-03-27 09:42:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 297.24 Mbit/s
95th percentile per-packet one-way delay: 247.712 ms
Loss rate: 5.18%
-- Flow 1:
Average throughput: 297.24 Mbit/s
95th percentile per-packet one-way delay: 247.712 ms
Loss rate: 5.18%
```

Run 1: Report of PCC-Expr — Data Link

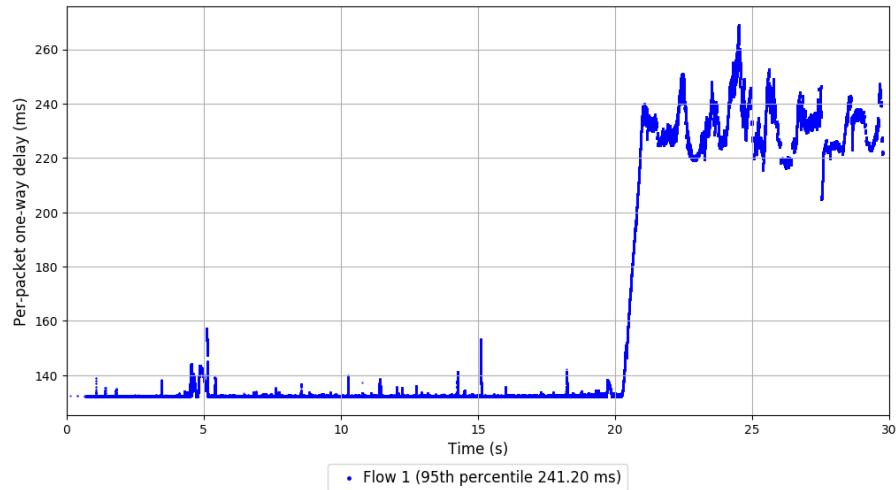
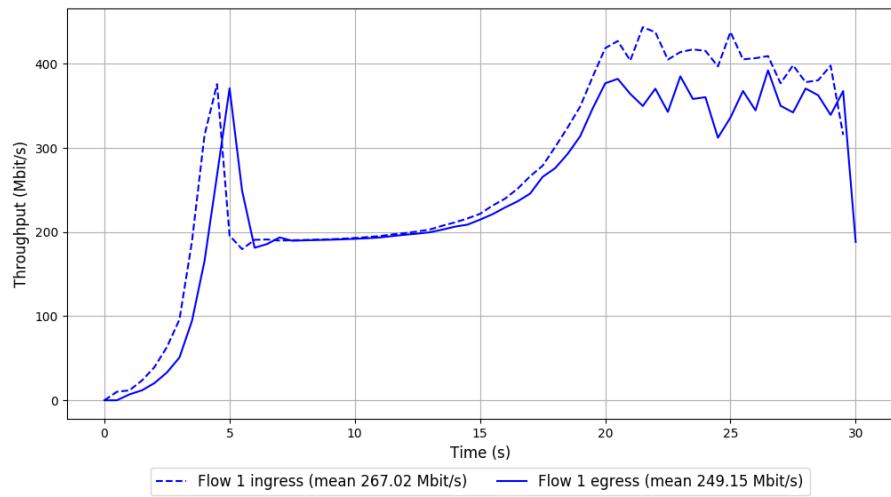


Run 2: Statistics of PCC-Expr

```
Start at: 2019-03-27 05:59:09
End at: 2019-03-27 05:59:39
Local clock offset: -0.447 ms
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2019-03-27 09:42:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 249.15 Mbit/s
95th percentile per-packet one-way delay: 241.197 ms
Loss rate: 7.52%
-- Flow 1:
Average throughput: 249.15 Mbit/s
95th percentile per-packet one-way delay: 241.197 ms
Loss rate: 7.52%
```

Run 2: Report of PCC-Expr — Data Link

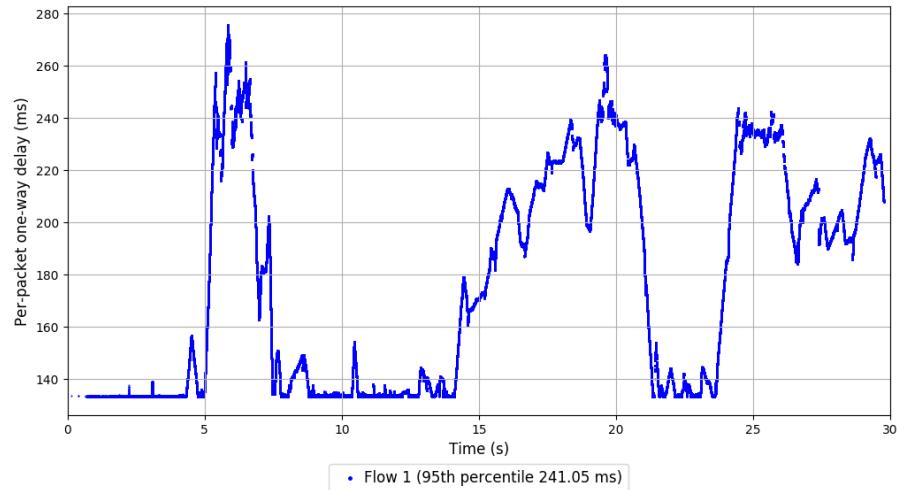
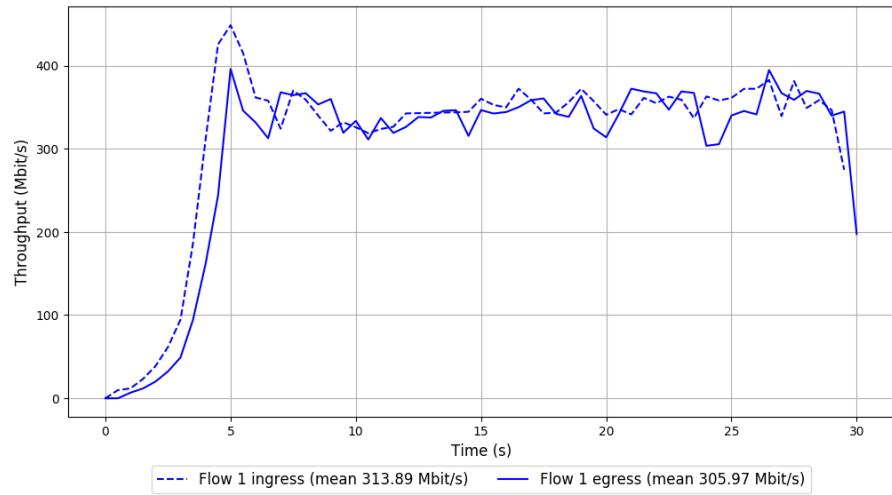


Run 3: Statistics of PCC-Expr

```
Start at: 2019-03-27 06:34:19
End at: 2019-03-27 06:34:49
Local clock offset: 0.067 ms
Remote clock offset: -0.201 ms

# Below is generated by plot.py at 2019-03-27 09:44:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 305.97 Mbit/s
95th percentile per-packet one-way delay: 241.049 ms
Loss rate: 3.39%
-- Flow 1:
Average throughput: 305.97 Mbit/s
95th percentile per-packet one-way delay: 241.049 ms
Loss rate: 3.39%
```

Run 3: Report of PCC-Expr — Data Link

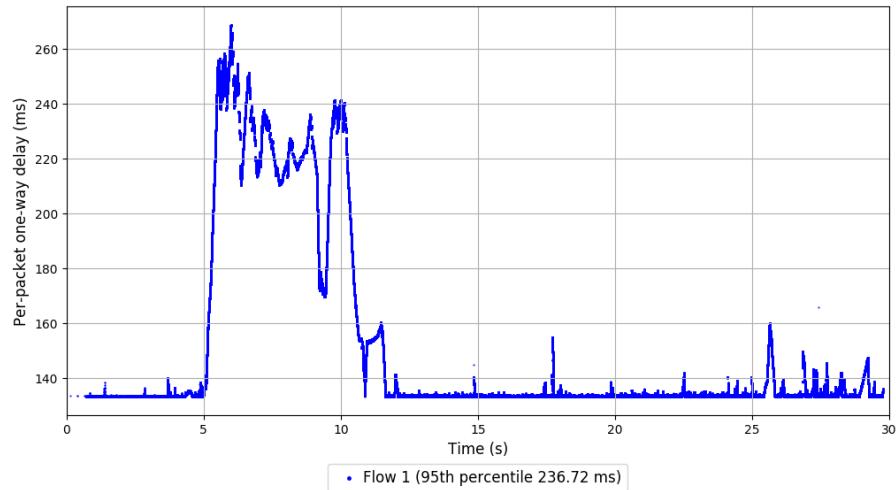
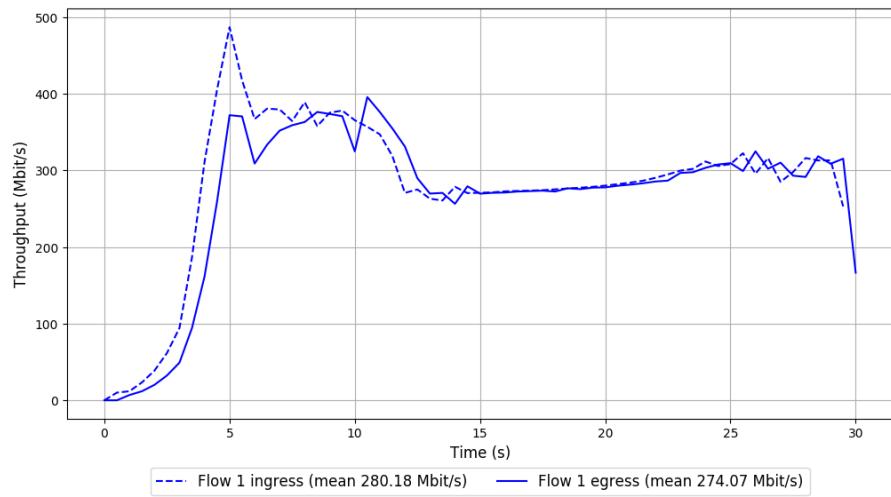


Run 4: Statistics of PCC-Expr

```
Start at: 2019-03-27 07:10:23
End at: 2019-03-27 07:10:53
Local clock offset: 0.317 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2019-03-27 09:46:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 274.07 Mbit/s
95th percentile per-packet one-way delay: 236.721 ms
Loss rate: 3.05%
-- Flow 1:
Average throughput: 274.07 Mbit/s
95th percentile per-packet one-way delay: 236.721 ms
Loss rate: 3.05%
```

Run 4: Report of PCC-Expr — Data Link

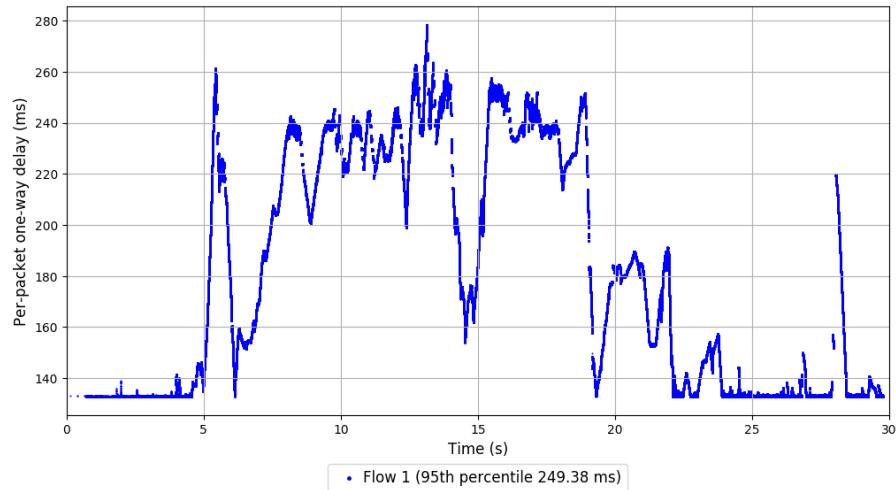
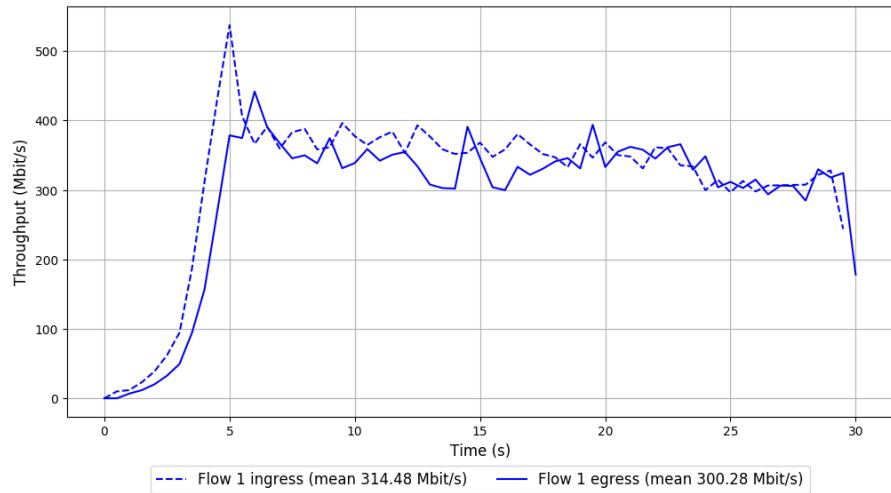


Run 5: Statistics of PCC-Expr

```
Start at: 2019-03-27 07:46:44
End at: 2019-03-27 07:47:14
Local clock offset: -0.384 ms
Remote clock offset: -0.216 ms

# Below is generated by plot.py at 2019-03-27 09:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 300.28 Mbit/s
95th percentile per-packet one-way delay: 249.385 ms
Loss rate: 5.36%
-- Flow 1:
Average throughput: 300.28 Mbit/s
95th percentile per-packet one-way delay: 249.385 ms
Loss rate: 5.36%
```

Run 5: Report of PCC-Expr — Data Link

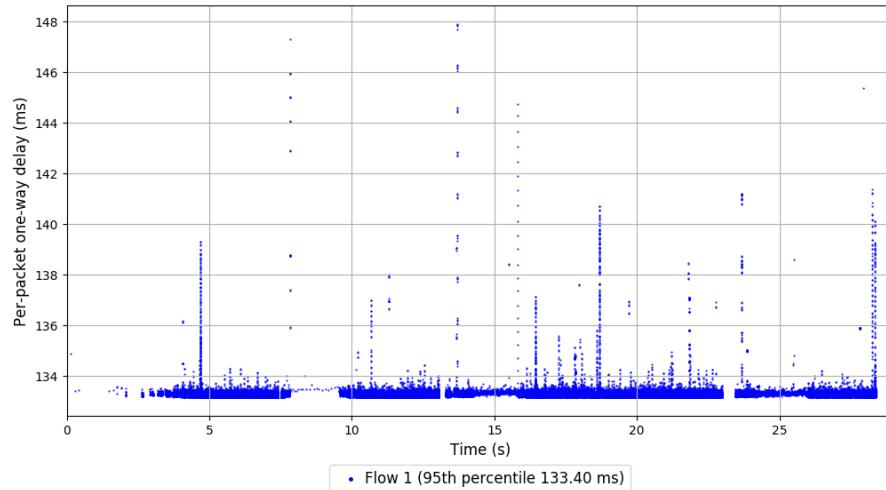
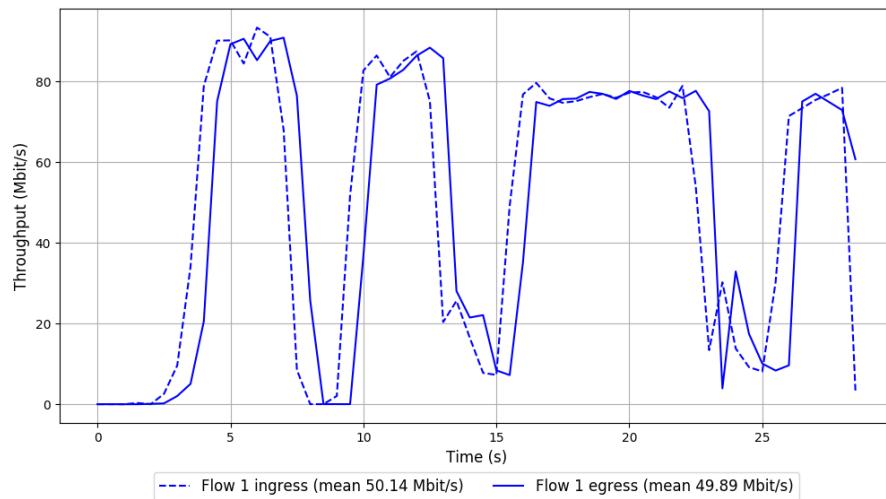


```
Run 1: Statistics of QUIC Cubic
```

```
Start at: 2019-03-27 05:46:44
End at: 2019-03-27 05:47:14
Local clock offset: 0.222 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2019-03-27 09:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 133.402 ms
Loss rate: 1.44%
-- Flow 1:
Average throughput: 49.89 Mbit/s
95th percentile per-packet one-way delay: 133.402 ms
Loss rate: 1.44%
```

Run 1: Report of QUIC Cubic — Data Link

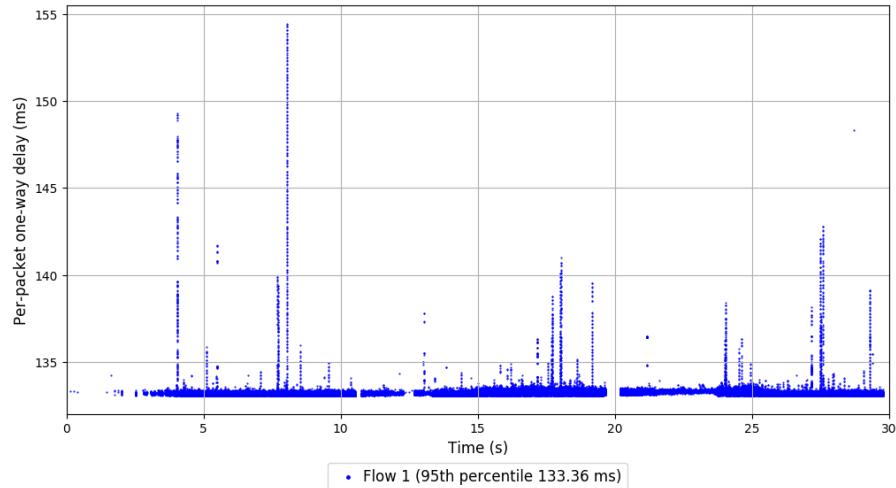
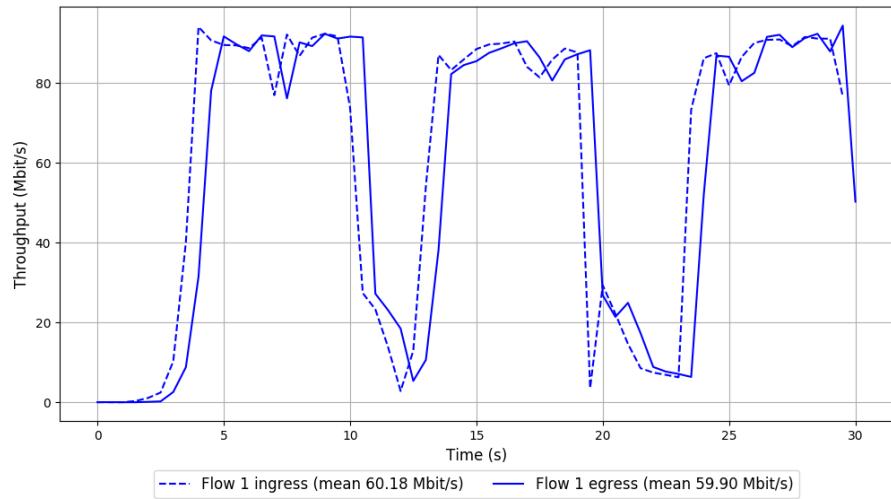


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-03-27 06:22:36
End at: 2019-03-27 06:23:06
Local clock offset: 0.253 ms
Remote clock offset: -0.137 ms

# Below is generated by plot.py at 2019-03-27 09:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.90 Mbit/s
95th percentile per-packet one-way delay: 133.360 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 59.90 Mbit/s
95th percentile per-packet one-way delay: 133.360 ms
Loss rate: 1.35%
```

Run 2: Report of QUIC Cubic — Data Link

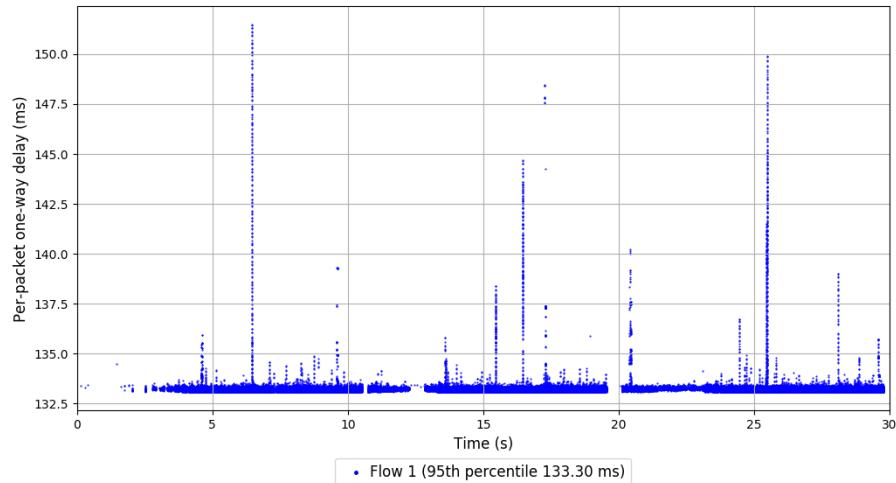
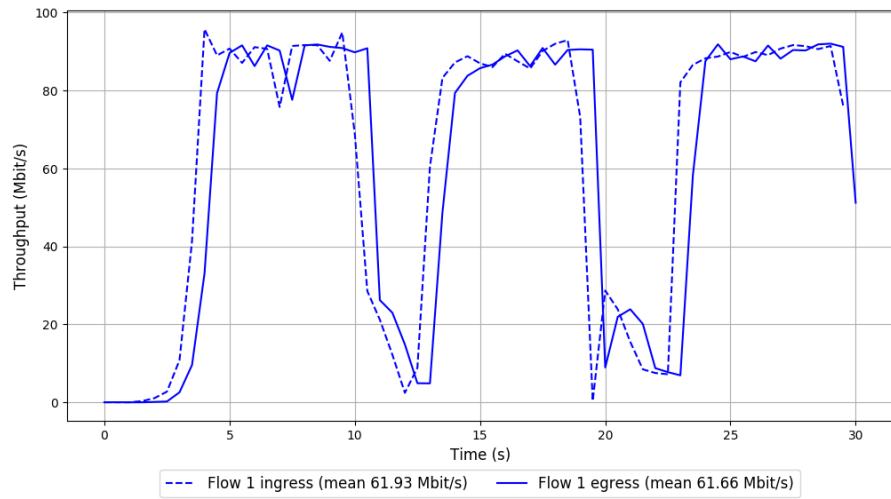


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-03-27 06:57:24
End at: 2019-03-27 06:57:54
Local clock offset: -0.118 ms
Remote clock offset: -0.129 ms

# Below is generated by plot.py at 2019-03-27 09:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 61.66 Mbit/s
95th percentile per-packet one-way delay: 133.297 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 61.66 Mbit/s
95th percentile per-packet one-way delay: 133.297 ms
Loss rate: 1.31%
```

### Run 3: Report of QUIC Cubic — Data Link

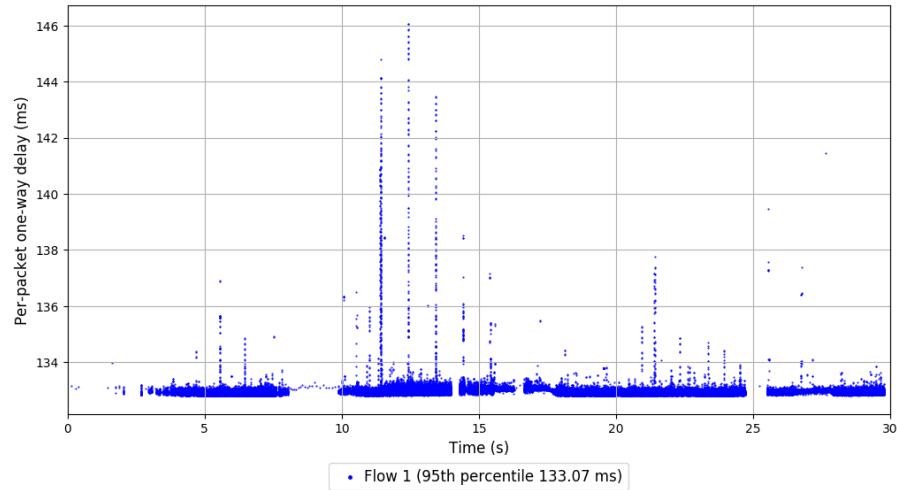
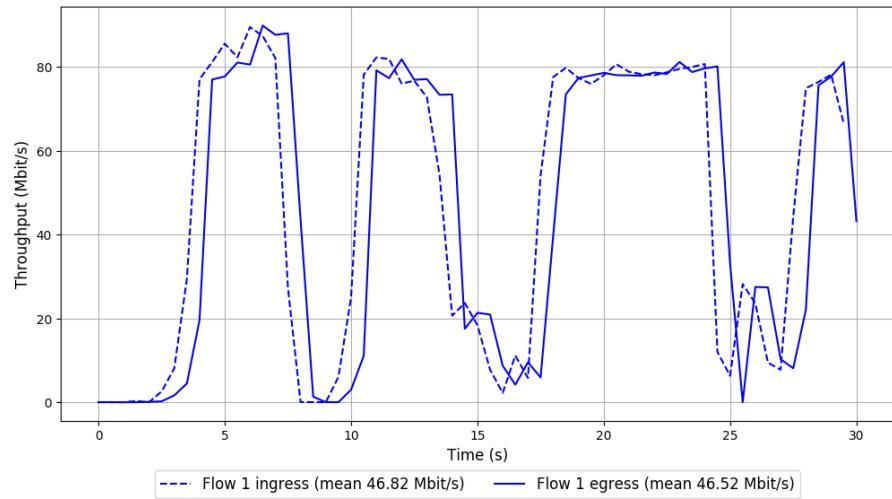


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-03-27 07:34:18
End at: 2019-03-27 07:34:48
Local clock offset: -0.172 ms
Remote clock offset: -0.13 ms

# Below is generated by plot.py at 2019-03-27 09:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.52 Mbit/s
95th percentile per-packet one-way delay: 133.069 ms
Loss rate: 1.52%
-- Flow 1:
Average throughput: 46.52 Mbit/s
95th percentile per-packet one-way delay: 133.069 ms
Loss rate: 1.52%
```

## Run 4: Report of QUIC Cubic — Data Link

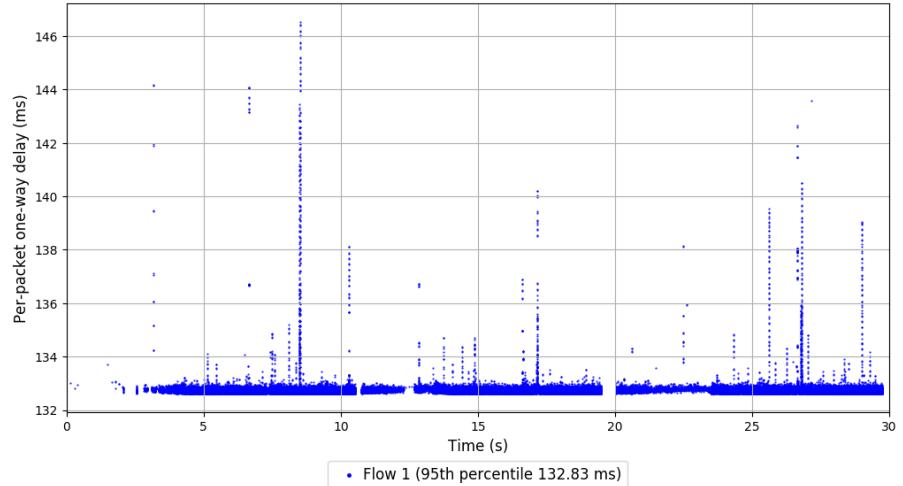
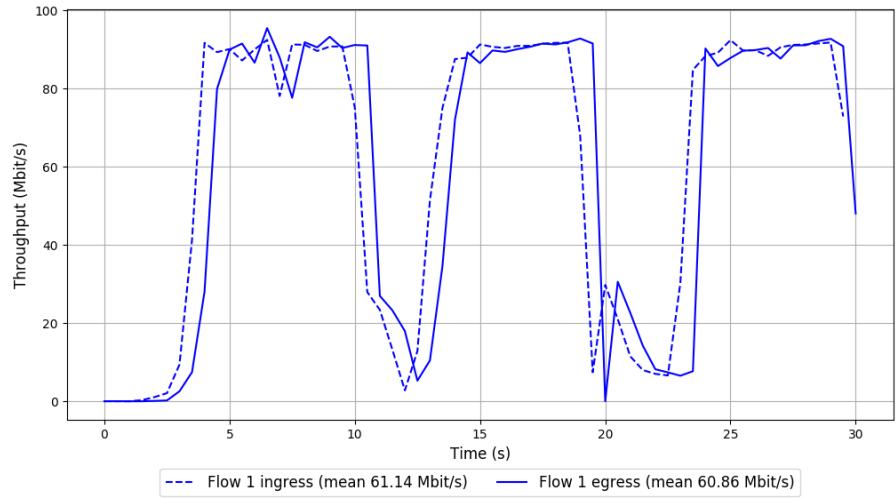


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-03-27 08:09:17
End at: 2019-03-27 08:09:47
Local clock offset: -0.518 ms
Remote clock offset: -0.154 ms

# Below is generated by plot.py at 2019-03-27 09:47:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 60.86 Mbit/s
95th percentile per-packet one-way delay: 132.832 ms
Loss rate: 1.34%
-- Flow 1:
Average throughput: 60.86 Mbit/s
95th percentile per-packet one-way delay: 132.832 ms
Loss rate: 1.34%
```

## Run 5: Report of QUIC Cubic — Data Link

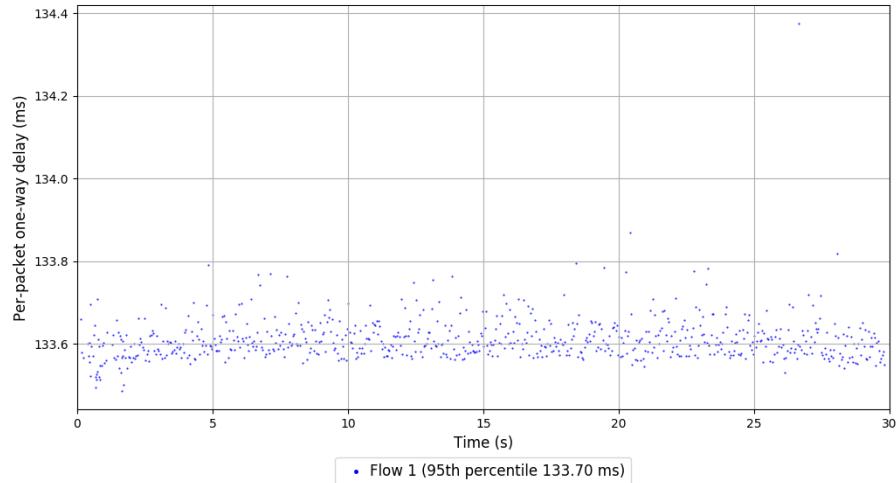
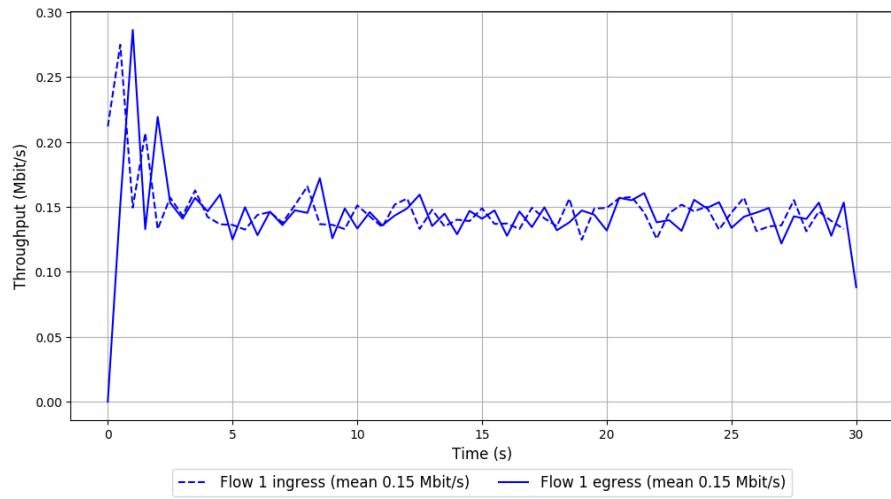


Run 1: Statistics of SCReAM

```
Start at: 2019-03-27 05:18:44
End at: 2019-03-27 05:19:14
Local clock offset: 0.338 ms
Remote clock offset: -0.126 ms

# Below is generated by plot.py at 2019-03-27 09:47:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.696 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.696 ms
Loss rate: 0.88%
```

Run 1: Report of SCReAM — Data Link

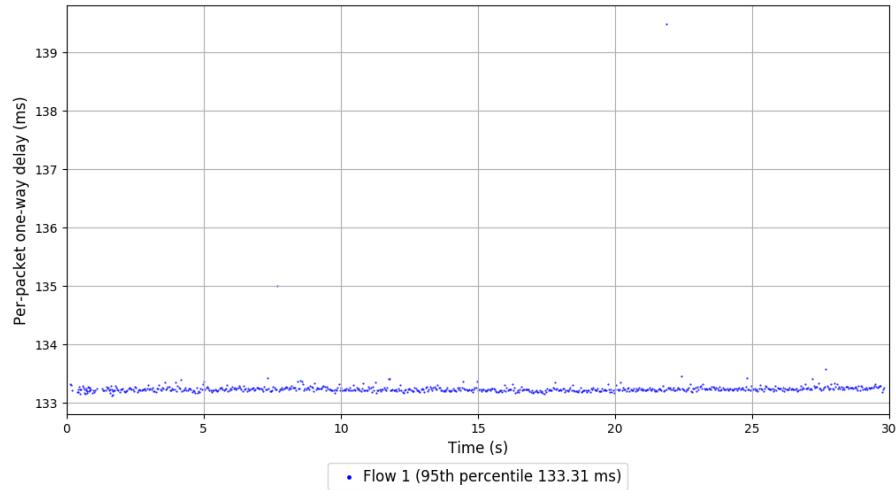
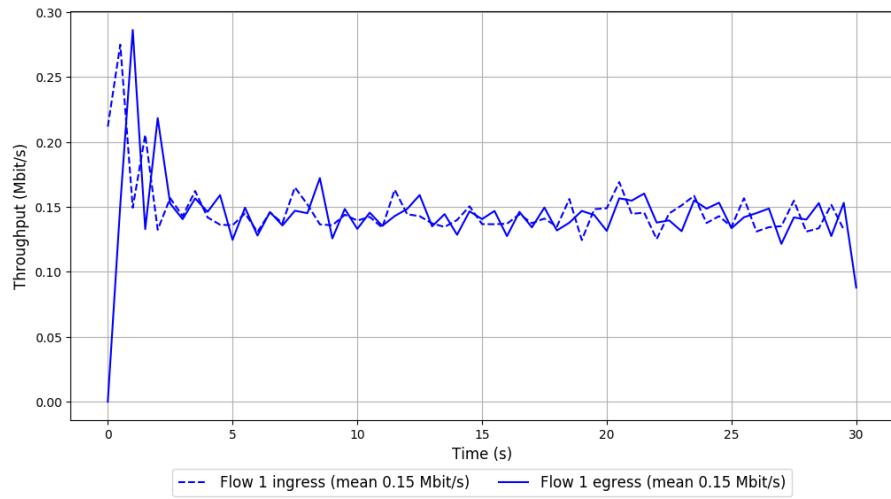


Run 2: Statistics of SCReAM

```
Start at: 2019-03-27 05:54:12
End at: 2019-03-27 05:54:42
Local clock offset: 0.049 ms
Remote clock offset: -0.447 ms

# Below is generated by plot.py at 2019-03-27 09:47:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.315 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.315 ms
Loss rate: 0.88%
```

Run 2: Report of SCReAM — Data Link

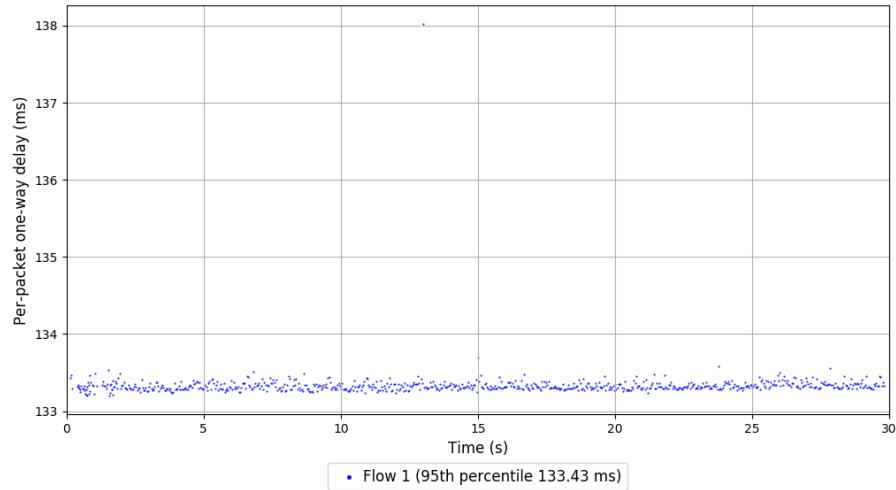
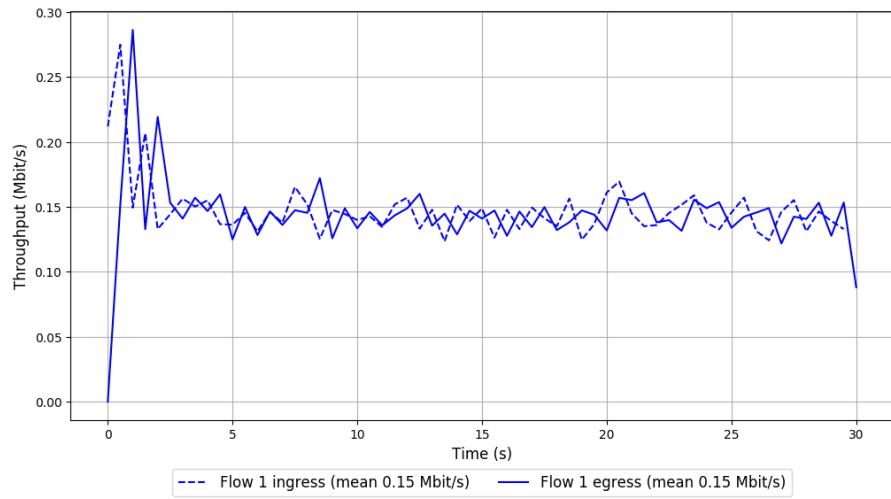


Run 3: Statistics of SCReAM

```
Start at: 2019-03-27 06:29:35
End at: 2019-03-27 06:30:05
Local clock offset: 0.163 ms
Remote clock offset: -0.152 ms

# Below is generated by plot.py at 2019-03-27 09:47:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.430 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.430 ms
Loss rate: 0.88%
```

### Run 3: Report of SCReAM — Data Link

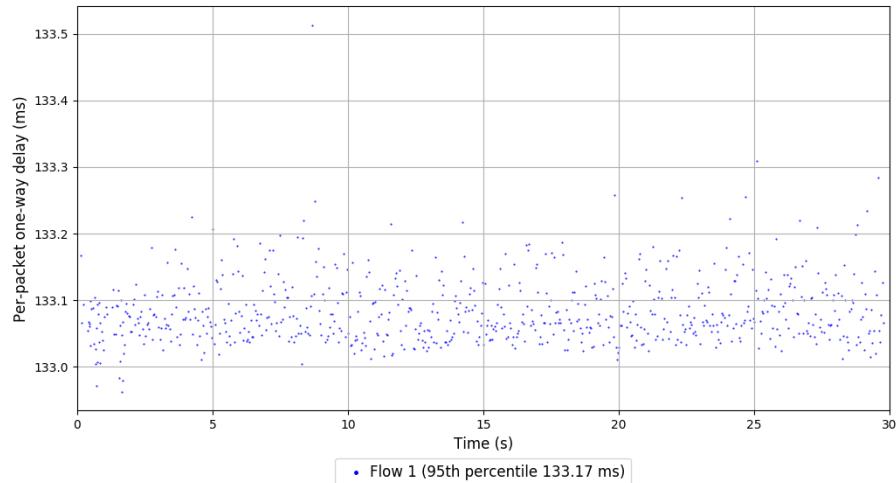
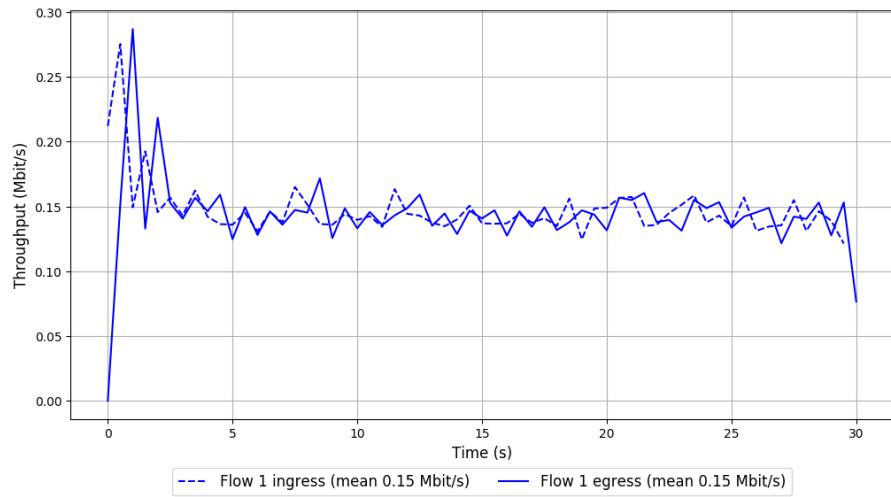


Run 4: Statistics of SCReAM

```
Start at: 2019-03-27 07:05:27
End at: 2019-03-27 07:05:57
Local clock offset: -0.069 ms
Remote clock offset: -0.083 ms

# Below is generated by plot.py at 2019-03-27 09:47:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.174 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 133.174 ms
Loss rate: 0.88%
```

## Run 4: Report of SCReAM — Data Link

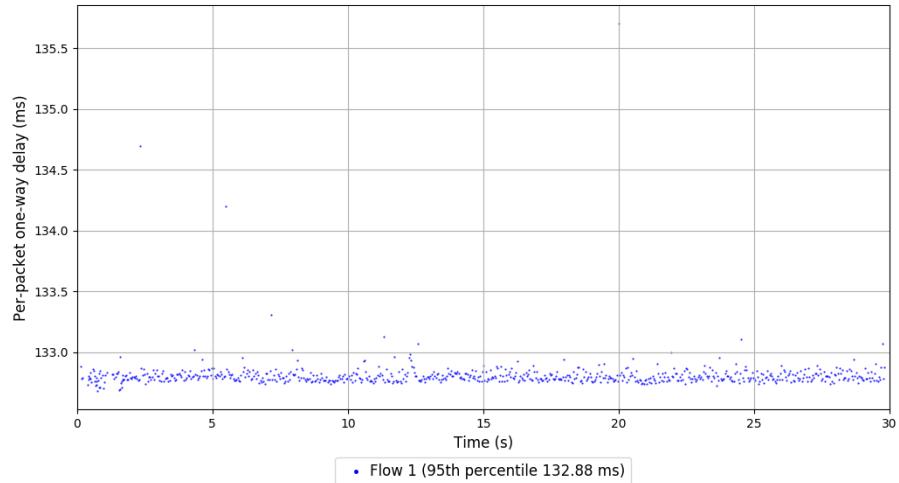
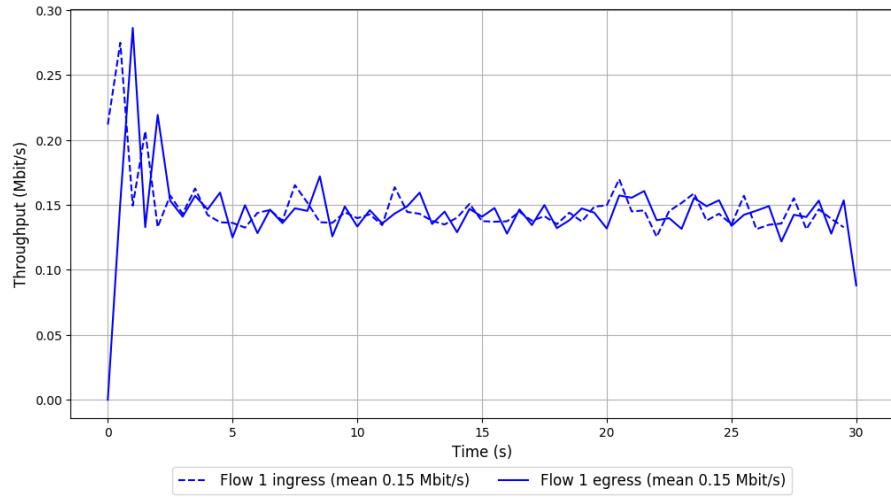


Run 5: Statistics of SCReAM

```
Start at: 2019-03-27 07:41:48
End at: 2019-03-27 07:42:18
Local clock offset: -0.464 ms
Remote clock offset: -0.171 ms

# Below is generated by plot.py at 2019-03-27 09:47:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.884 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 0.15 Mbit/s
95th percentile per-packet one-way delay: 132.884 ms
Loss rate: 0.88%
```

## Run 5: Report of SCReAM — Data Link

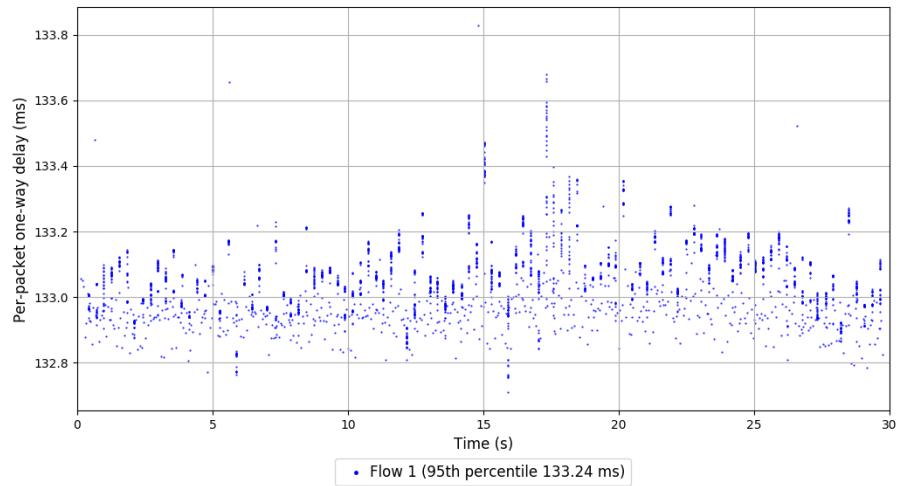
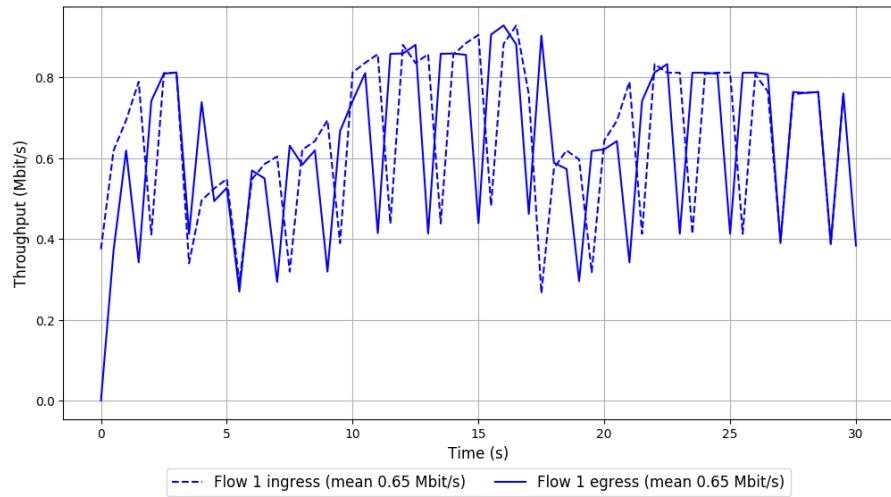


Run 1: Statistics of Sprout

```
Start at: 2019-03-27 05:31:44
End at: 2019-03-27 05:32:14
Local clock offset: -0.068 ms
Remote clock offset: -0.143 ms

# Below is generated by plot.py at 2019-03-27 09:47:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 133.240 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 0.65 Mbit/s
95th percentile per-packet one-way delay: 133.240 ms
Loss rate: 0.98%
```

## Run 1: Report of Sprout — Data Link

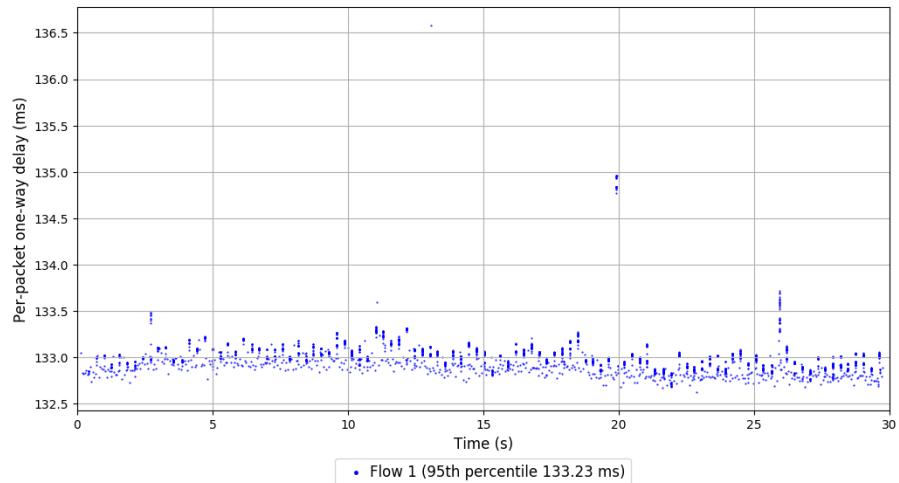
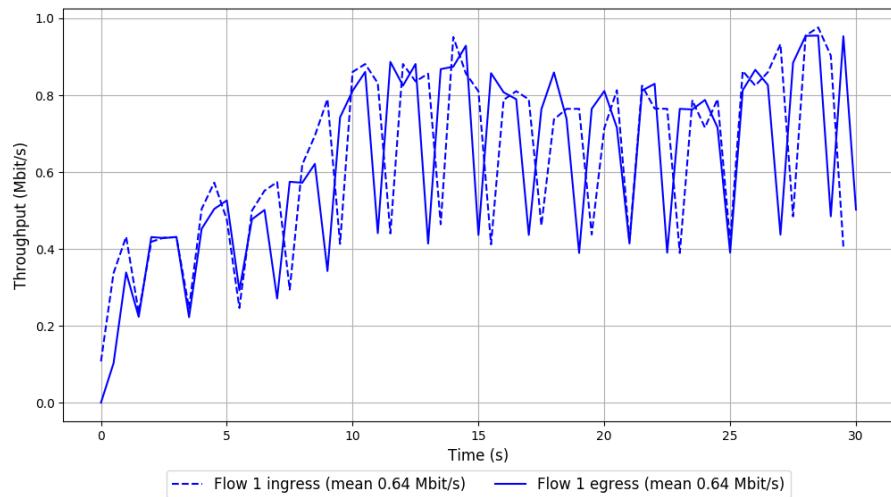


Run 2: Statistics of Sprout

```
Start at: 2019-03-27 06:07:12
End at: 2019-03-27 06:07:42
Local clock offset: -0.644 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2019-03-27 09:47:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 133.229 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 0.64 Mbit/s
95th percentile per-packet one-way delay: 133.229 ms
Loss rate: 0.92%
```

## Run 2: Report of Sprout — Data Link

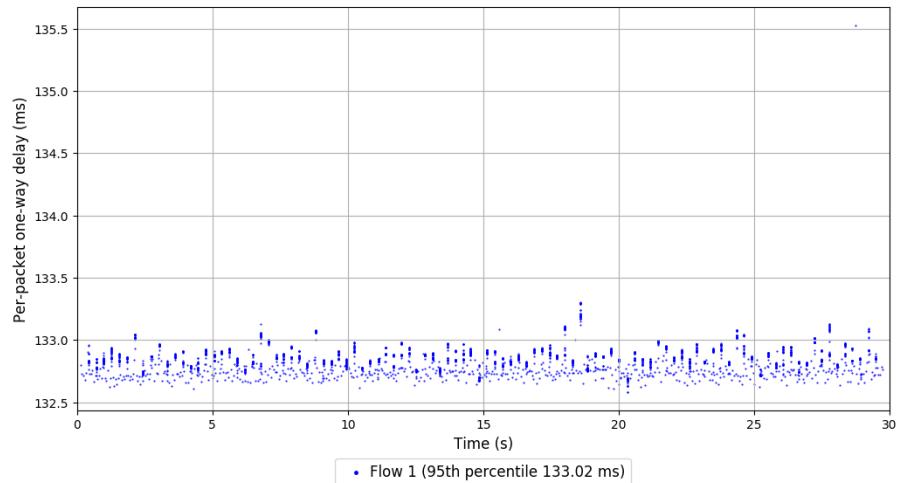
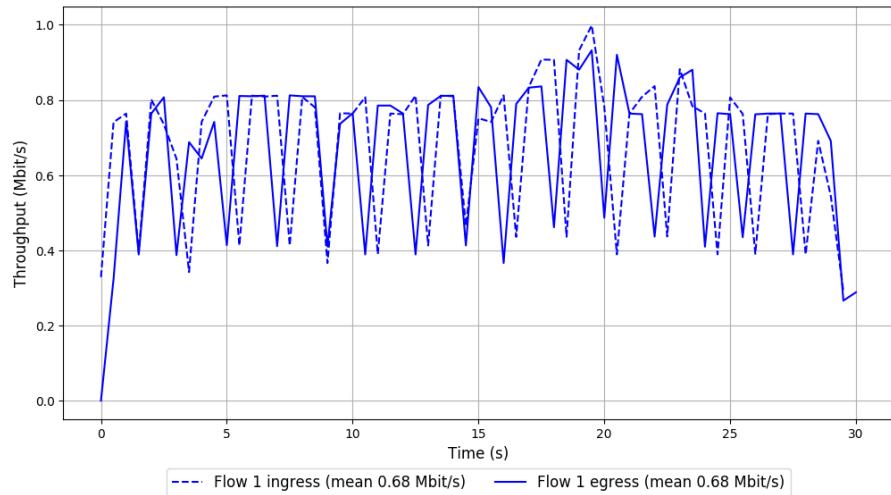


Run 3: Statistics of Sprout

```
Start at: 2019-03-27 06:41:45
End at: 2019-03-27 06:42:15
Local clock offset: -0.371 ms
Remote clock offset: -0.174 ms

# Below is generated by plot.py at 2019-03-27 09:47:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 133.020 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 0.68 Mbit/s
95th percentile per-packet one-way delay: 133.020 ms
Loss rate: 0.70%
```

### Run 3: Report of Sprout — Data Link

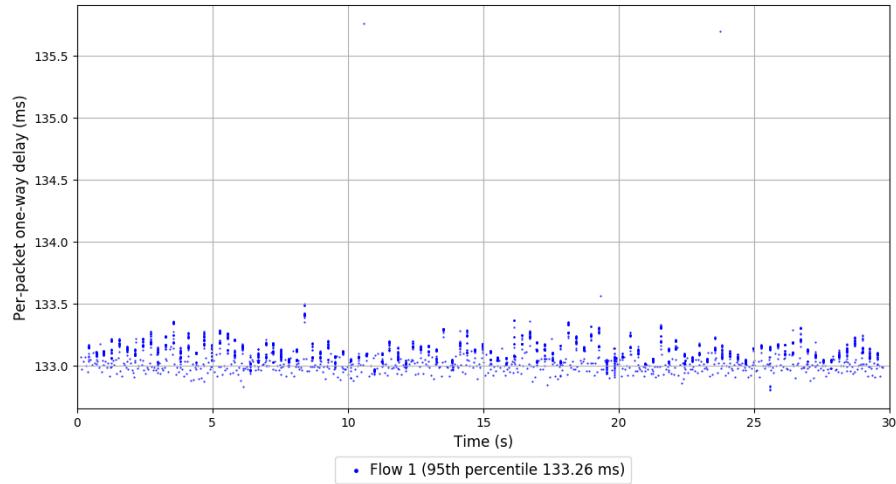
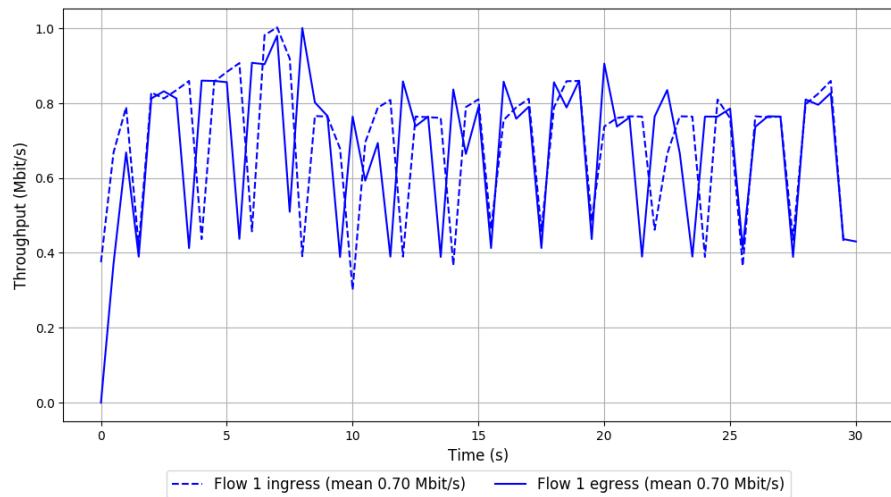


Run 4: Statistics of Sprout

```
Start at: 2019-03-27 07:18:00
End at: 2019-03-27 07:18:30
Local clock offset: -0.166 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2019-03-27 09:47:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 133.263 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 0.70 Mbit/s
95th percentile per-packet one-way delay: 133.263 ms
Loss rate: 1.02%
```

## Run 4: Report of Sprout — Data Link

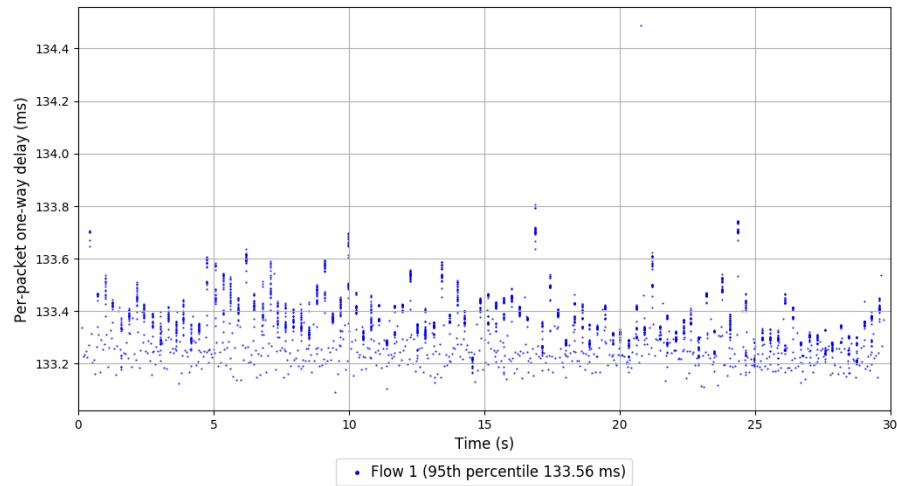
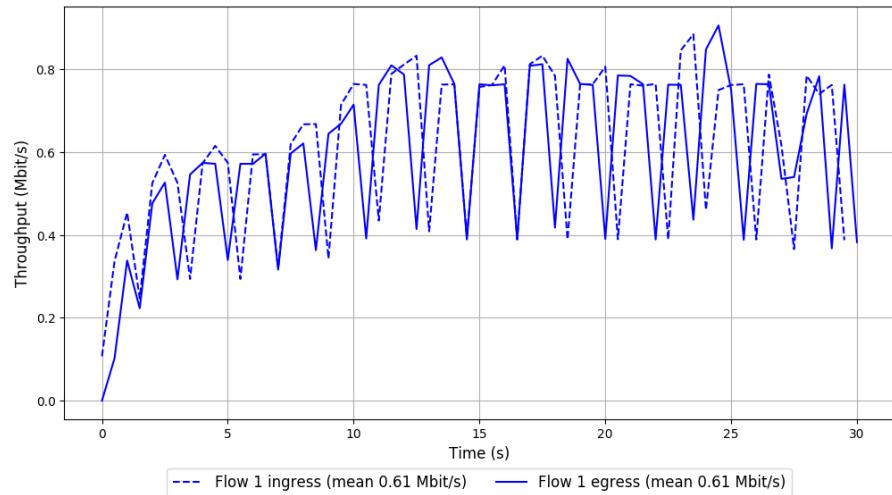


Run 5: Statistics of Sprout

```
Start at: 2019-03-27 07:53:16
End at: 2019-03-27 07:53:46
Local clock offset: -0.102 ms
Remote clock offset: -0.164 ms

# Below is generated by plot.py at 2019-03-27 09:47:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 133.561 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 0.61 Mbit/s
95th percentile per-packet one-way delay: 133.561 ms
Loss rate: 1.04%
```

### Run 5: Report of Sprout — Data Link

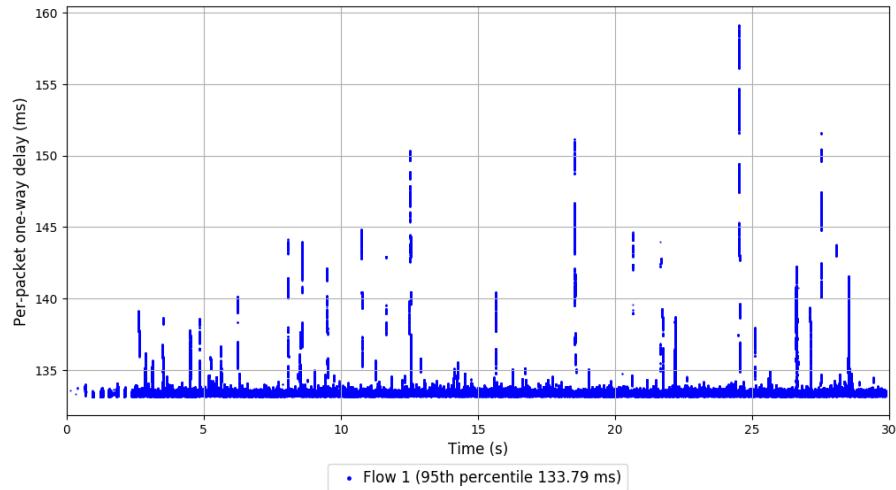
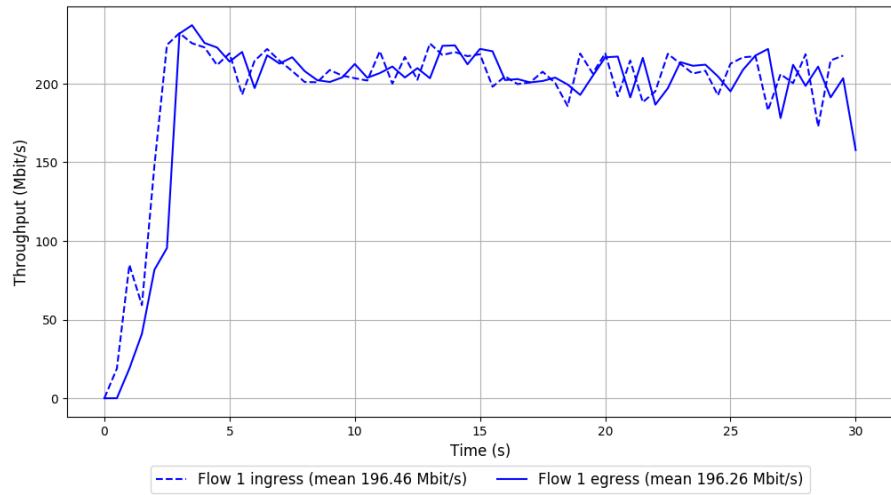


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-03-27 05:17:12
End at: 2019-03-27 05:17:42
Local clock offset: 0.363 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2019-03-27 09:47:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 196.26 Mbit/s
95th percentile per-packet one-way delay: 133.792 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 196.26 Mbit/s
95th percentile per-packet one-way delay: 133.792 ms
Loss rate: 0.99%
```

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

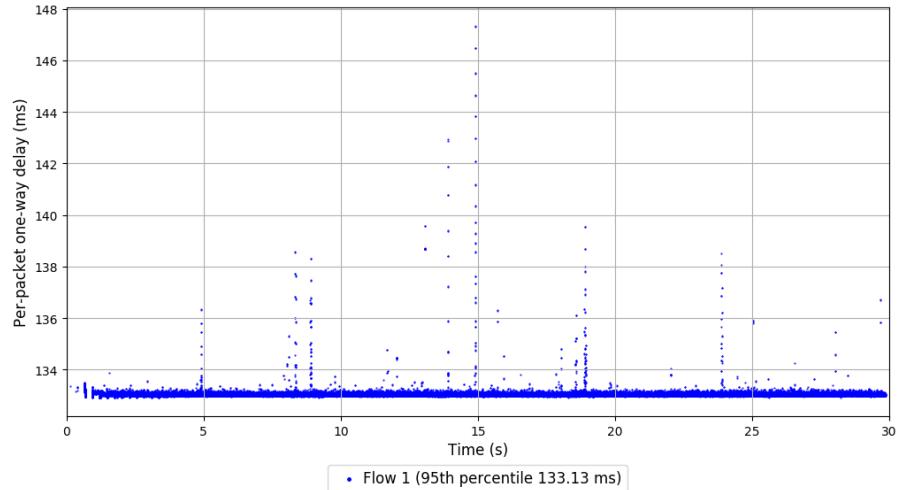
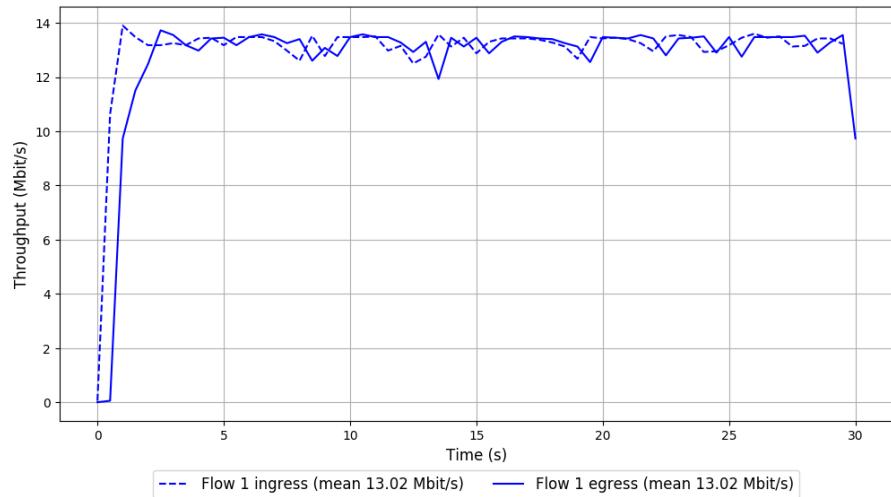


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-03-27 05:52:56
End at: 2019-03-27 05:53:26
Local clock offset: -0.203 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2019-03-27 09:47:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.02 Mbit/s
95th percentile per-packet one-way delay: 133.132 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 13.02 Mbit/s
95th percentile per-packet one-way delay: 133.132 ms
Loss rate: 0.90%
```

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

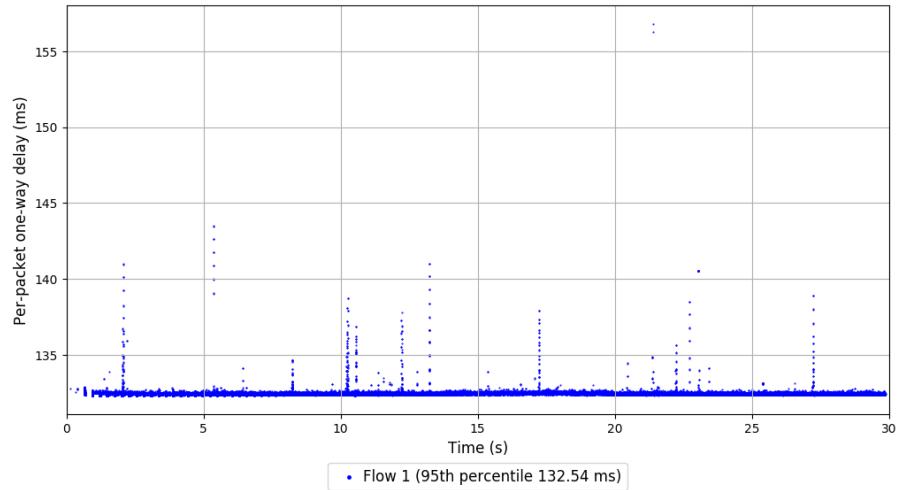
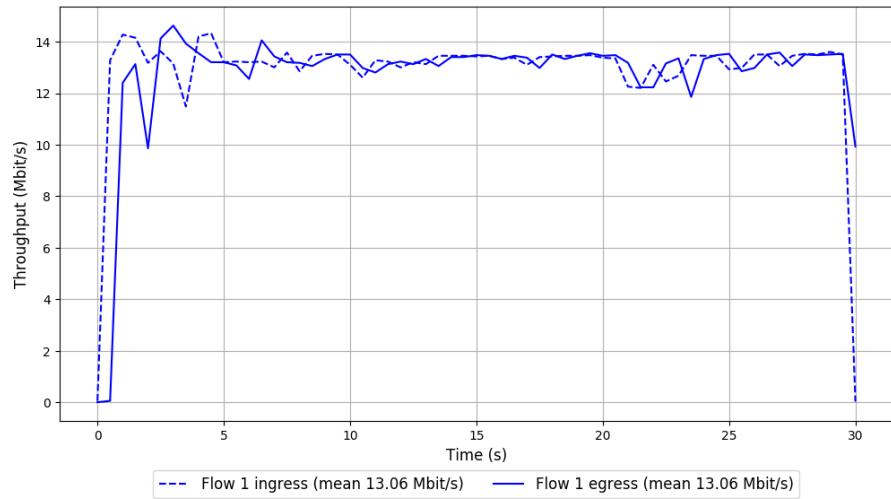


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-03-27 06:28:22
End at: 2019-03-27 06:28:52
Local clock offset: -0.134 ms
Remote clock offset: -0.144 ms

# Below is generated by plot.py at 2019-03-27 09:47:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 132.537 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 13.06 Mbit/s
95th percentile per-packet one-way delay: 132.537 ms
Loss rate: 0.92%
```

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

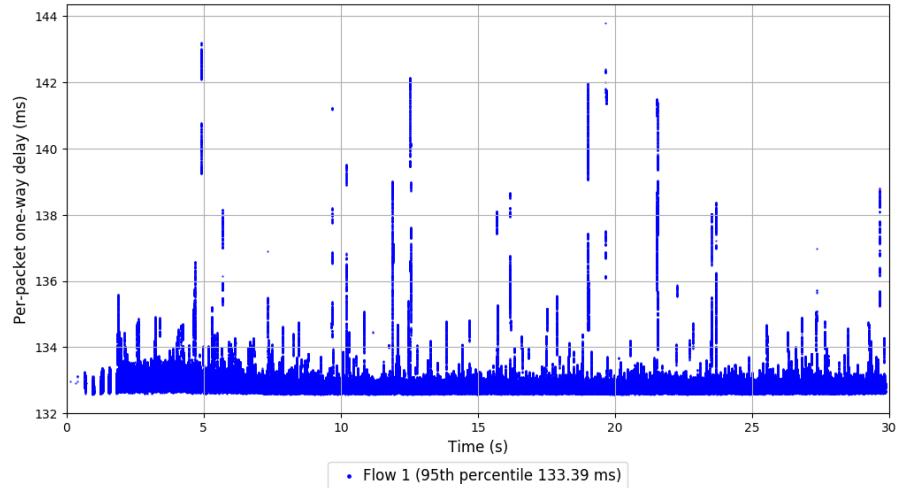
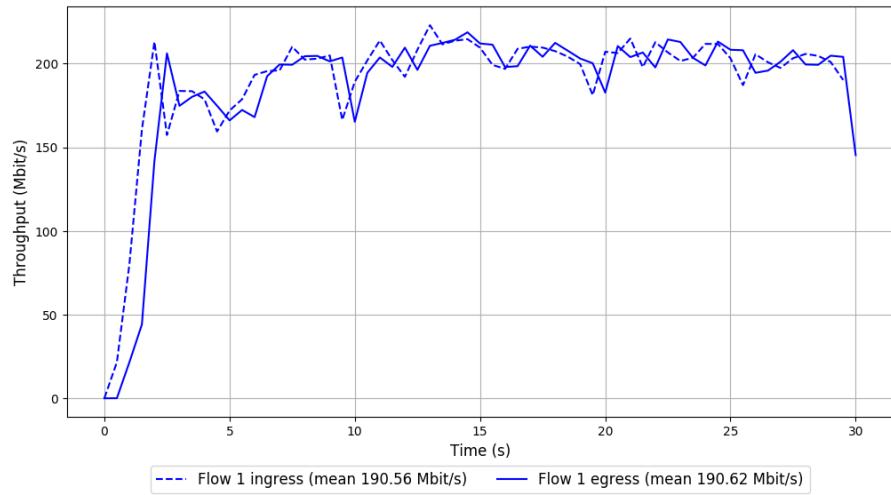


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-03-27 07:03:38
End at: 2019-03-27 07:04:08
Local clock offset: 0.25 ms
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2019-03-27 09:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 190.62 Mbit/s
95th percentile per-packet one-way delay: 133.393 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 190.62 Mbit/s
95th percentile per-packet one-way delay: 133.393 ms
Loss rate: 0.85%
```

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

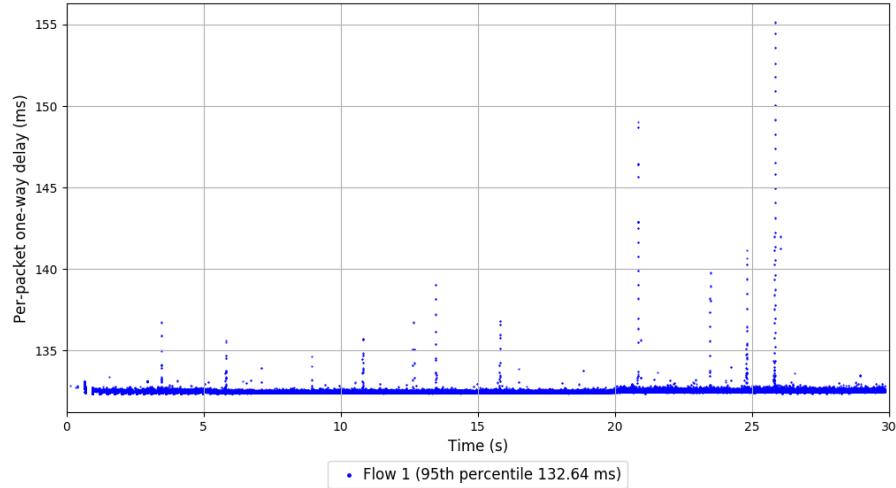
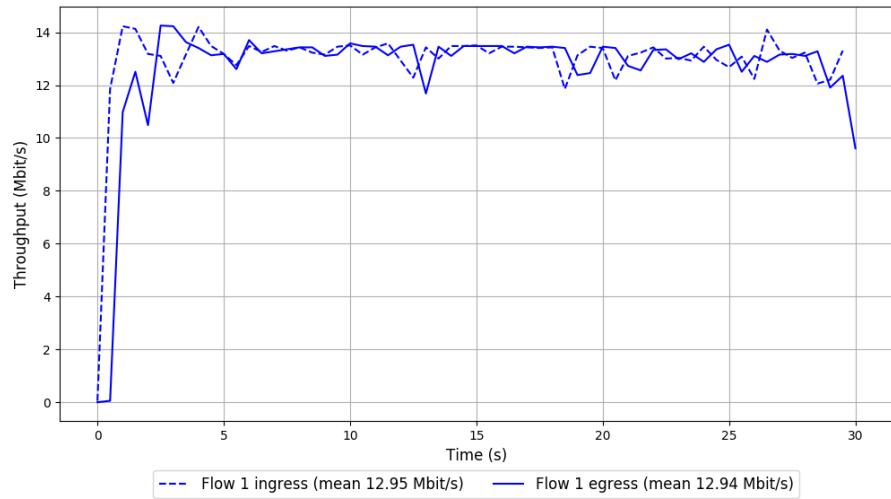


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-03-27 07:40:35
End at: 2019-03-27 07:41:05
Local clock offset: -0.541 ms
Remote clock offset: -0.141 ms

# Below is generated by plot.py at 2019-03-27 09:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.94 Mbit/s
95th percentile per-packet one-way delay: 132.642 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 12.94 Mbit/s
95th percentile per-packet one-way delay: 132.642 ms
Loss rate: 0.93%
```

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

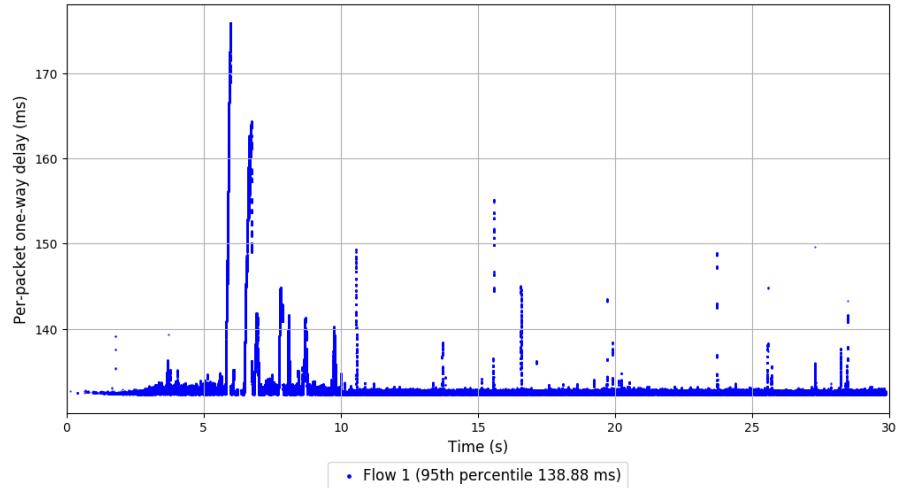
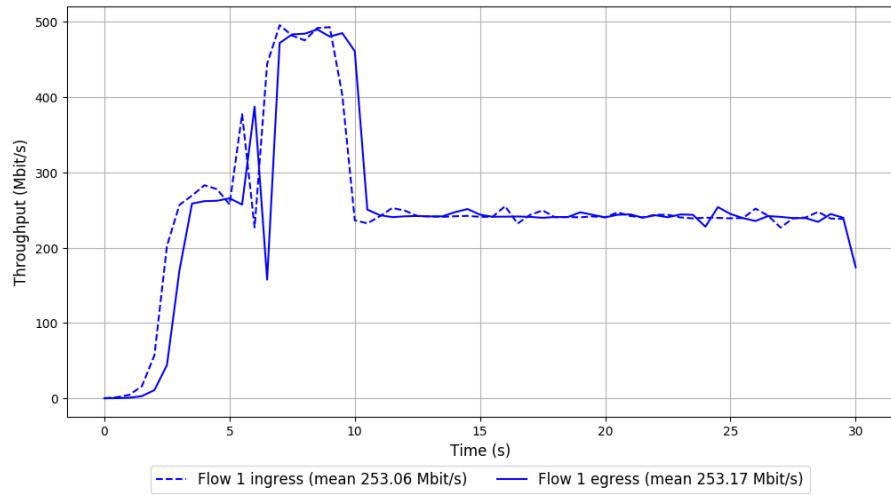


Run 1: Statistics of TCP Vegas

```
Start at: 2019-03-27 05:28:14
End at: 2019-03-27 05:28:44
Local clock offset: -0.494 ms
Remote clock offset: -0.112 ms

# Below is generated by plot.py at 2019-03-27 09:47:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 253.17 Mbit/s
95th percentile per-packet one-way delay: 138.883 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 253.17 Mbit/s
95th percentile per-packet one-way delay: 138.883 ms
Loss rate: 0.85%
```

Run 1: Report of TCP Vegas — Data Link

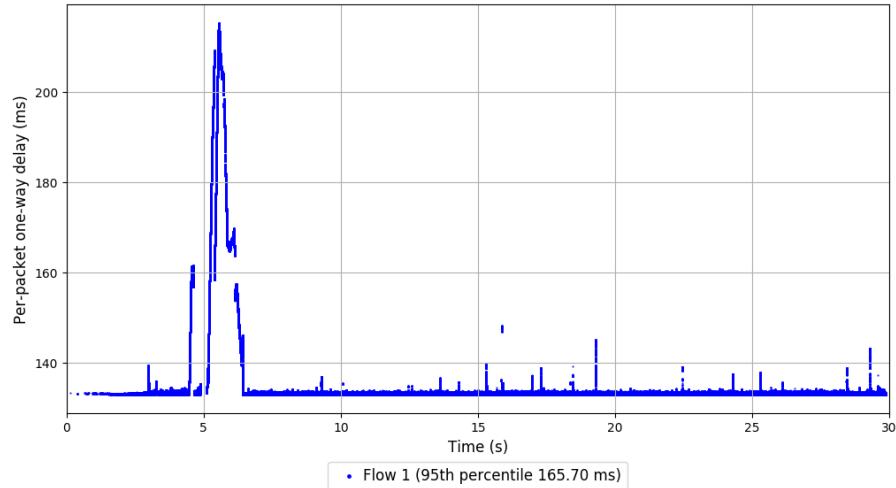
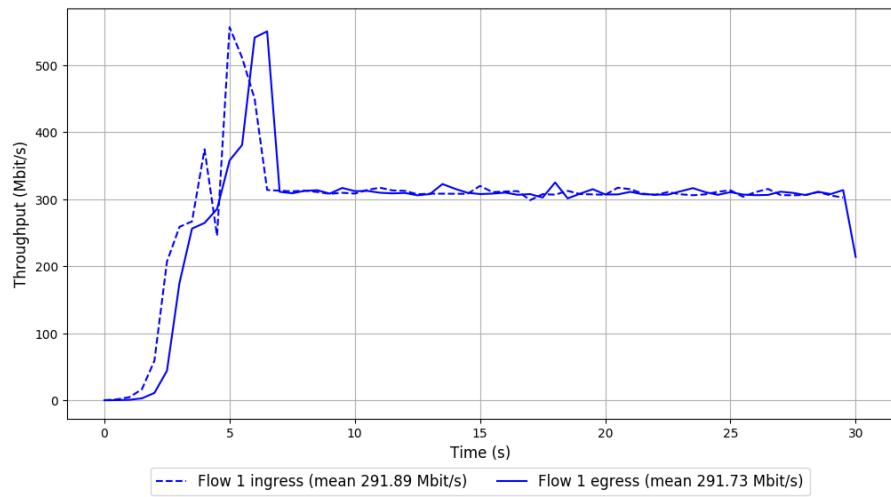


Run 2: Statistics of TCP Vegas

```
Start at: 2019-03-27 06:03:35
End at: 2019-03-27 06:04:05
Local clock offset: -0.211 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2019-03-27 09:47:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 291.73 Mbit/s
95th percentile per-packet one-way delay: 165.703 ms
Loss rate: 0.94%
-- Flow 1:
Average throughput: 291.73 Mbit/s
95th percentile per-packet one-way delay: 165.703 ms
Loss rate: 0.94%
```

Run 2: Report of TCP Vegas — Data Link

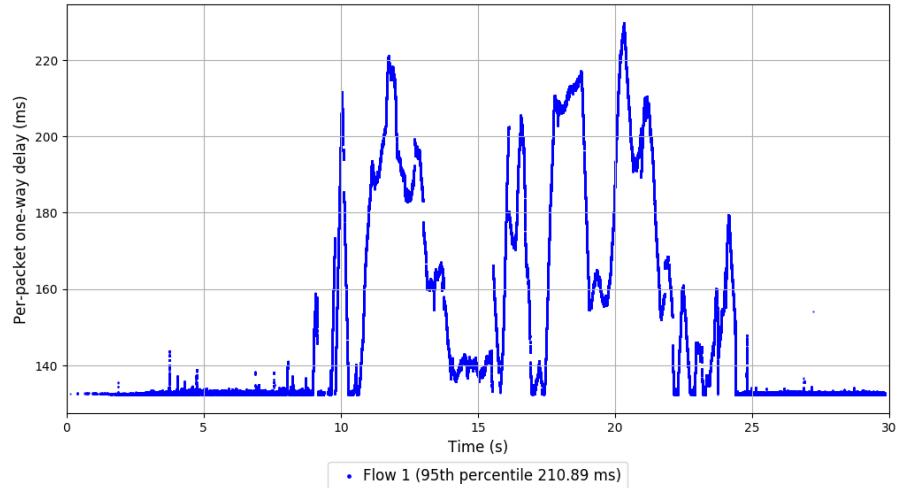
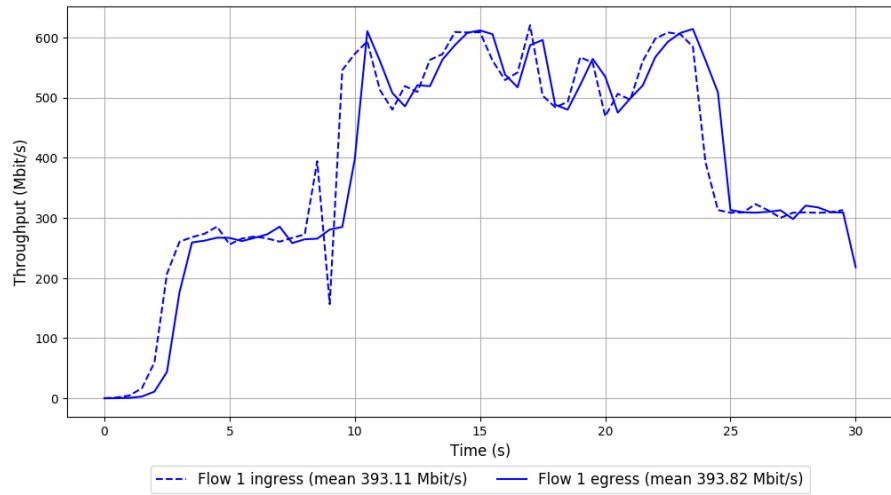


Run 3: Statistics of TCP Vegas

```
Start at: 2019-03-27 06:38:17
End at: 2019-03-27 06:38:47
Local clock offset: -0.557 ms
Remote clock offset: -0.165 ms

# Below is generated by plot.py at 2019-03-27 09:50:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 393.82 Mbit/s
95th percentile per-packet one-way delay: 210.886 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 393.82 Mbit/s
95th percentile per-packet one-way delay: 210.886 ms
Loss rate: 0.71%
```

### Run 3: Report of TCP Vegas — Data Link

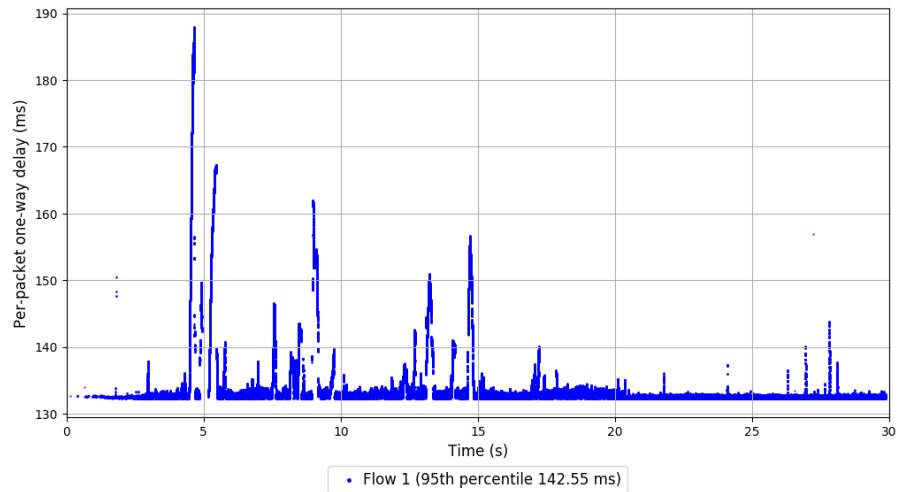
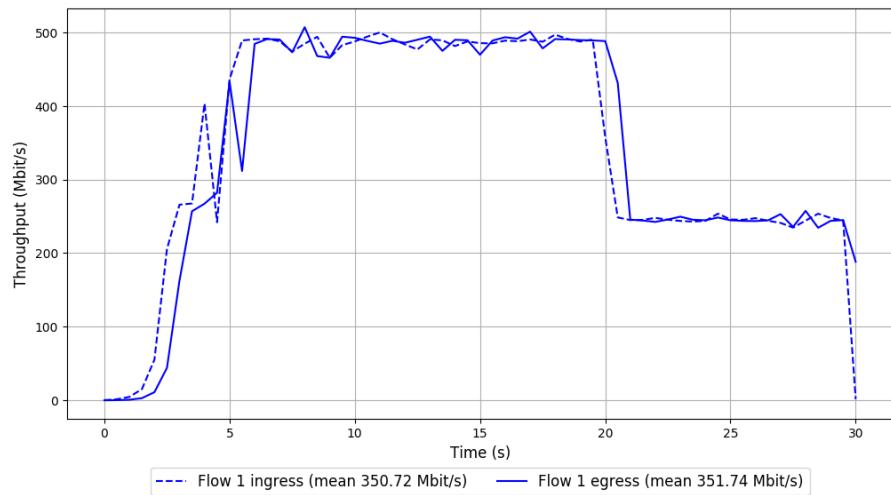


Run 4: Statistics of TCP Vegas

```
Start at: 2019-03-27 07:14:23
End at: 2019-03-27 07:14:54
Local clock offset: -0.099 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2019-03-27 09:51:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 351.74 Mbit/s
95th percentile per-packet one-way delay: 142.553 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 351.74 Mbit/s
95th percentile per-packet one-way delay: 142.553 ms
Loss rate: 0.60%
```

Run 4: Report of TCP Vegas — Data Link

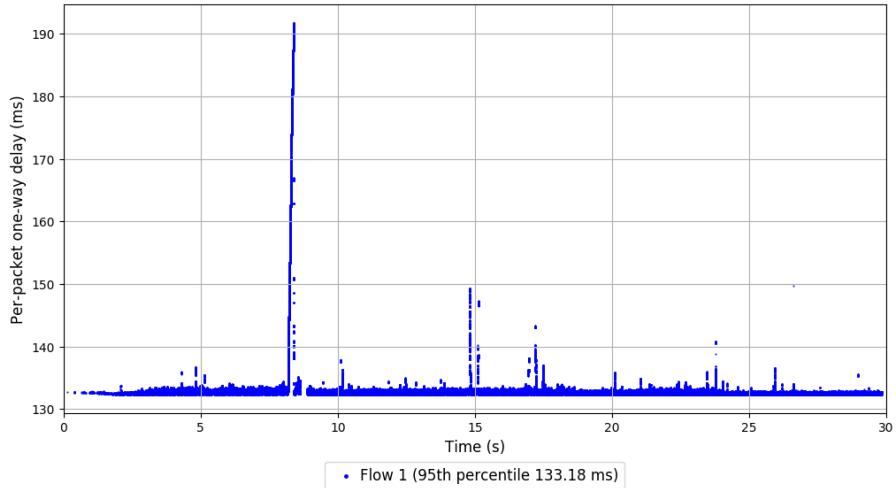
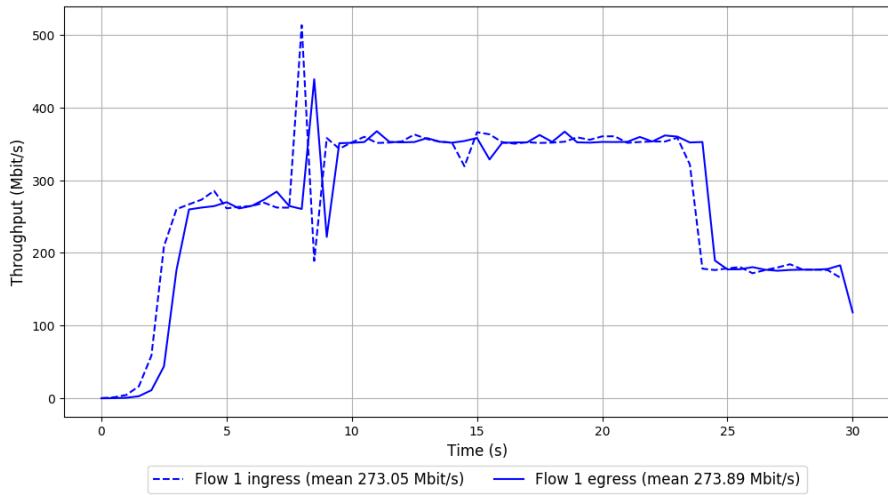


Run 5: Statistics of TCP Vegas

```
Start at: 2019-03-27 07:50:13
End at: 2019-03-27 07:50:43
Local clock offset: -0.604 ms
Remote clock offset: -0.152 ms

# Below is generated by plot.py at 2019-03-27 09:51:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 273.89 Mbit/s
95th percentile per-packet one-way delay: 133.183 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 273.89 Mbit/s
95th percentile per-packet one-way delay: 133.183 ms
Loss rate: 0.58%
```

### Run 5: Report of TCP Vegas — Data Link

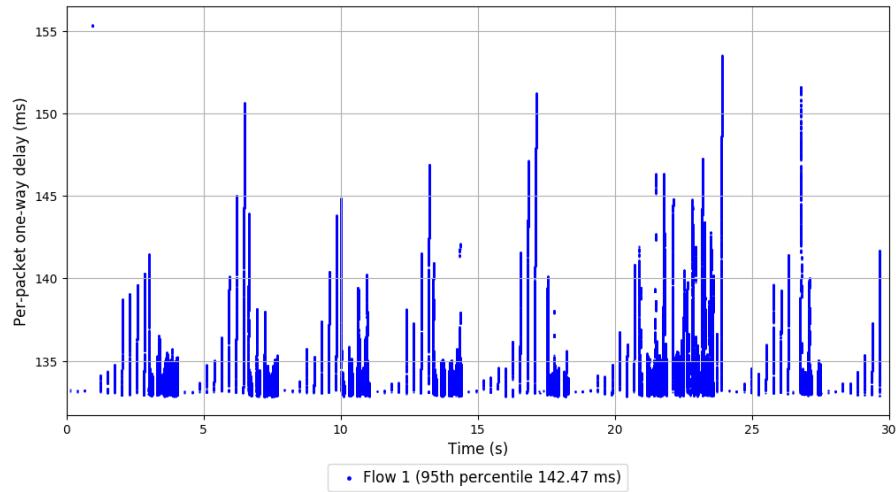
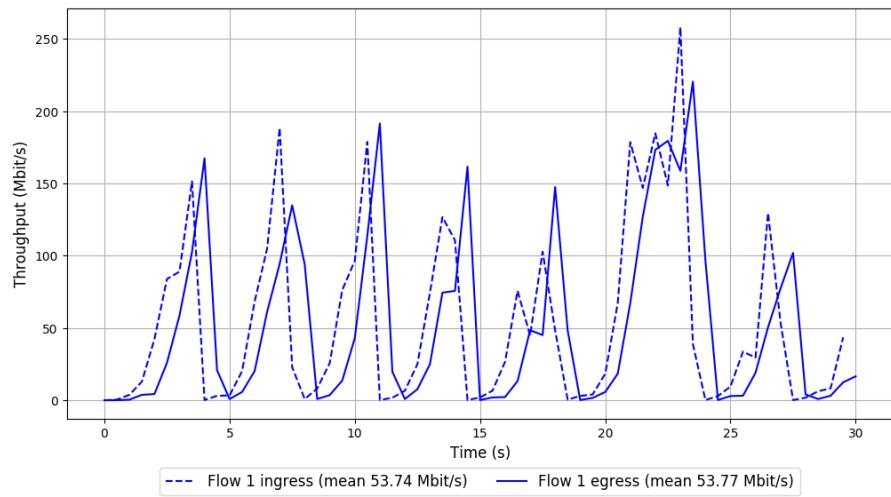


Run 1: Statistics of Verus

```
Start at: 2019-03-27 05:43:23
End at: 2019-03-27 05:43:53
Local clock offset: 0.011 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2019-03-27 09:51:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.77 Mbit/s
95th percentile per-packet one-way delay: 142.473 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 53.77 Mbit/s
95th percentile per-packet one-way delay: 142.473 ms
Loss rate: 0.85%
```

### Run 1: Report of Verus — Data Link

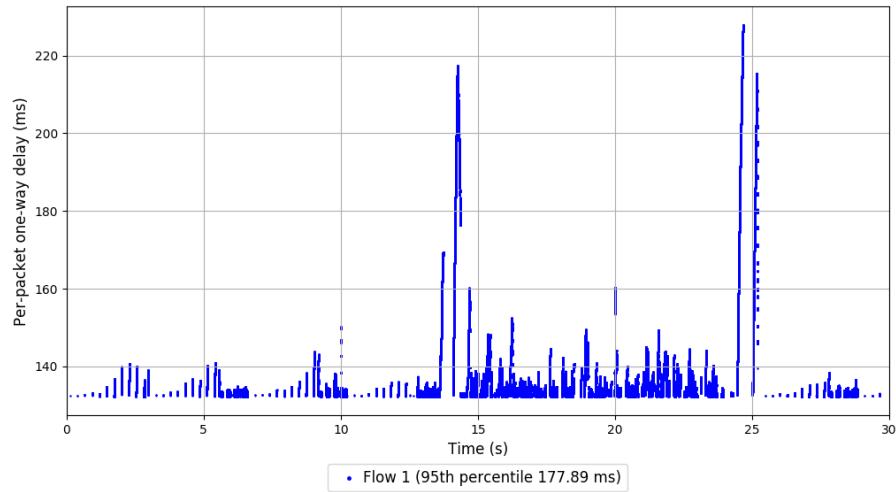
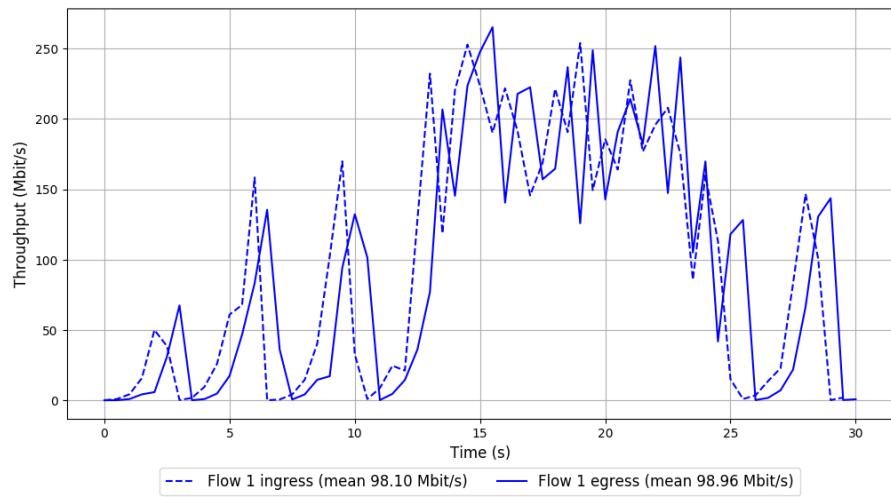


Run 2: Statistics of Verus

```
Start at: 2019-03-27 06:19:20
End at: 2019-03-27 06:19:50
Local clock offset: -0.373 ms
Remote clock offset: -0.168 ms

# Below is generated by plot.py at 2019-03-27 09:51:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 98.96 Mbit/s
95th percentile per-packet one-way delay: 177.888 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 98.96 Mbit/s
95th percentile per-packet one-way delay: 177.888 ms
Loss rate: 0.02%
```

## Run 2: Report of Verus — Data Link

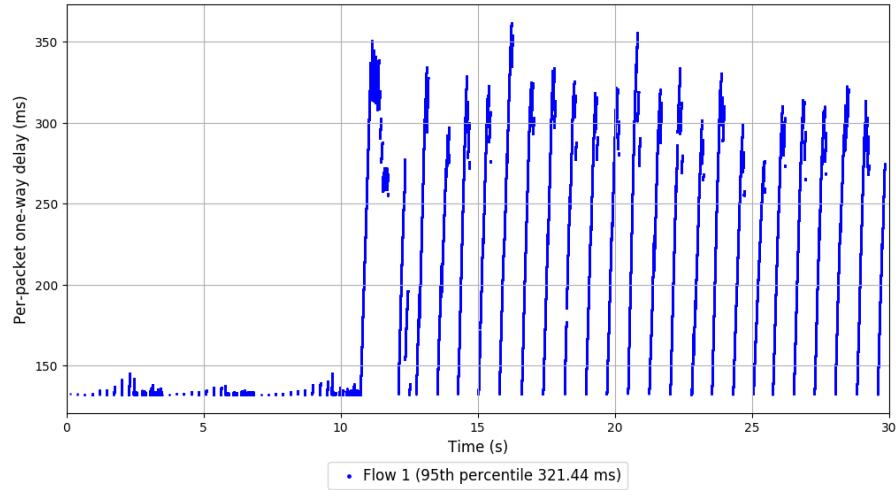
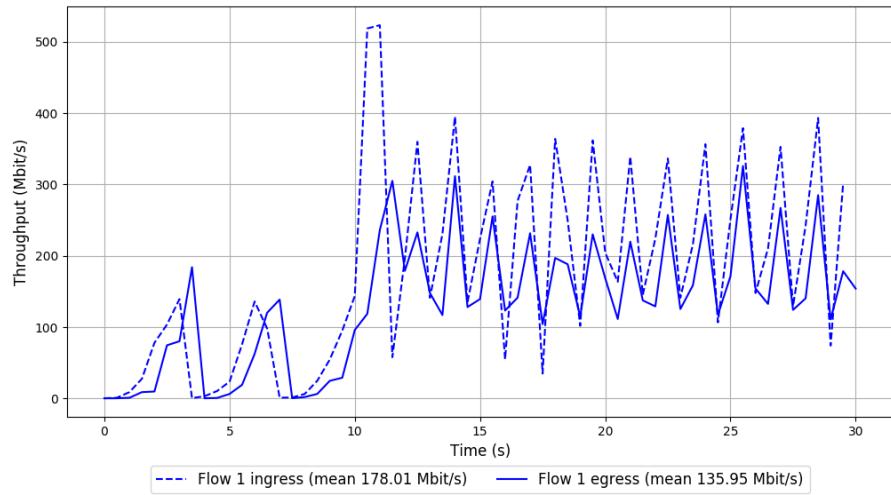


Run 3: Statistics of Verus

```
Start at: 2019-03-27 06:53:51
End at: 2019-03-27 06:54:21
Local clock offset: -0.366 ms
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2019-03-27 09:52:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 135.95 Mbit/s
95th percentile per-packet one-way delay: 321.443 ms
Loss rate: 23.72%
-- Flow 1:
Average throughput: 135.95 Mbit/s
95th percentile per-packet one-way delay: 321.443 ms
Loss rate: 23.72%
```

### Run 3: Report of Verus — Data Link

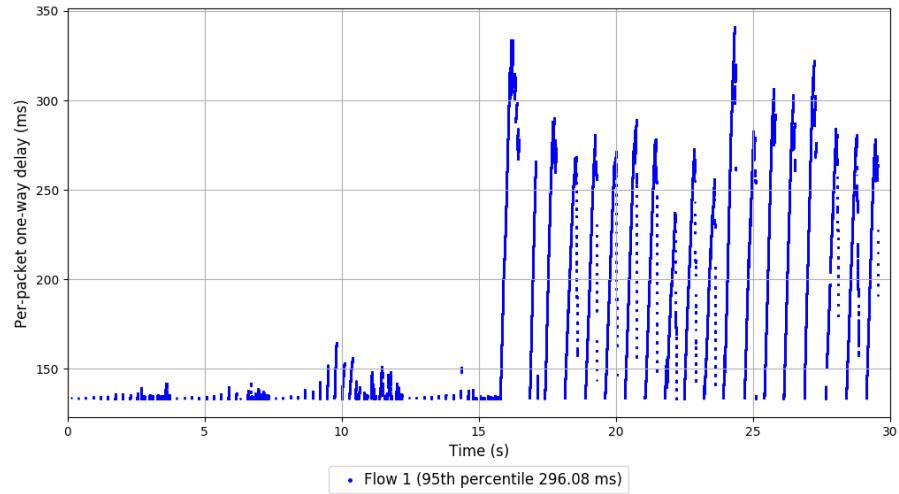
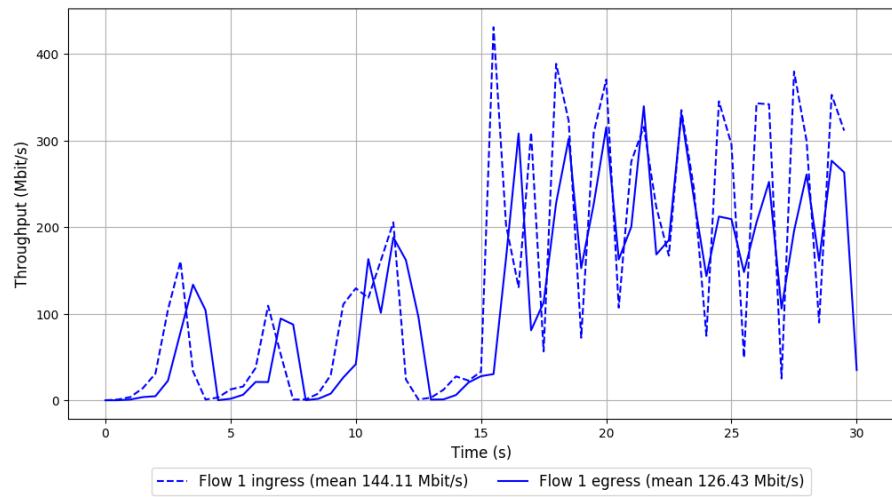


Run 4: Statistics of Verus

```
Start at: 2019-03-27 07:30:44
End at: 2019-03-27 07:31:14
Local clock offset: 0.259 ms
Remote clock offset: -0.159 ms

# Below is generated by plot.py at 2019-03-27 09:52:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 126.43 Mbit/s
95th percentile per-packet one-way delay: 296.080 ms
Loss rate: 13.92%
-- Flow 1:
Average throughput: 126.43 Mbit/s
95th percentile per-packet one-way delay: 296.080 ms
Loss rate: 13.92%
```

## Run 4: Report of Verus — Data Link

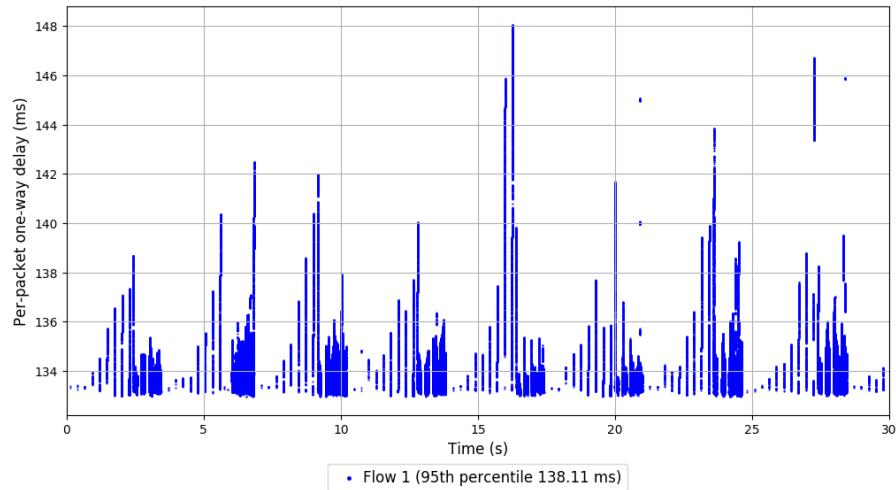
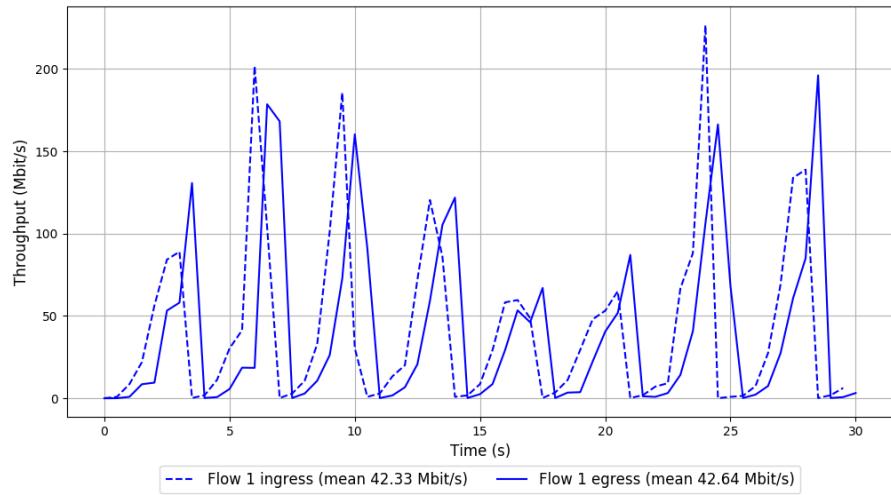


Run 5: Statistics of Verus

```
Start at: 2019-03-27 08:05:59
End at: 2019-03-27 08:06:29
Local clock offset: -0.111 ms
Remote clock offset: -0.195 ms

# Below is generated by plot.py at 2019-03-27 09:52:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.64 Mbit/s
95th percentile per-packet one-way delay: 138.111 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 42.64 Mbit/s
95th percentile per-packet one-way delay: 138.111 ms
Loss rate: 0.16%
```

### Run 5: Report of Verus — Data Link

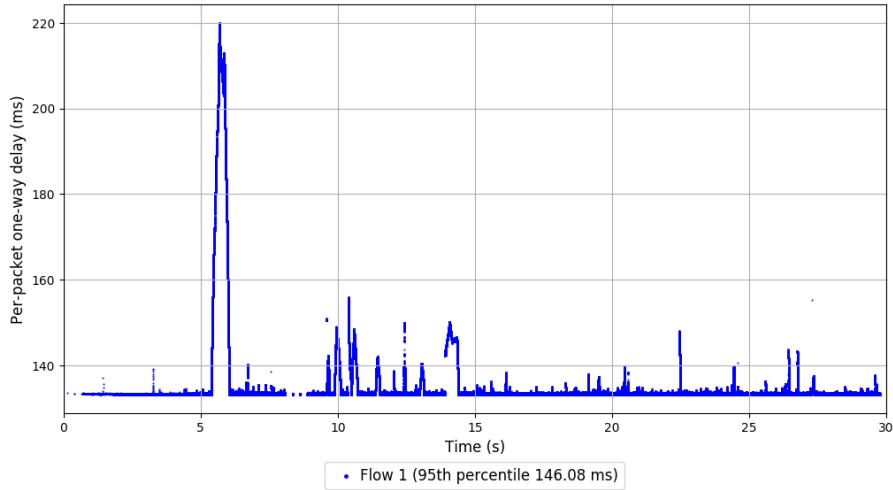
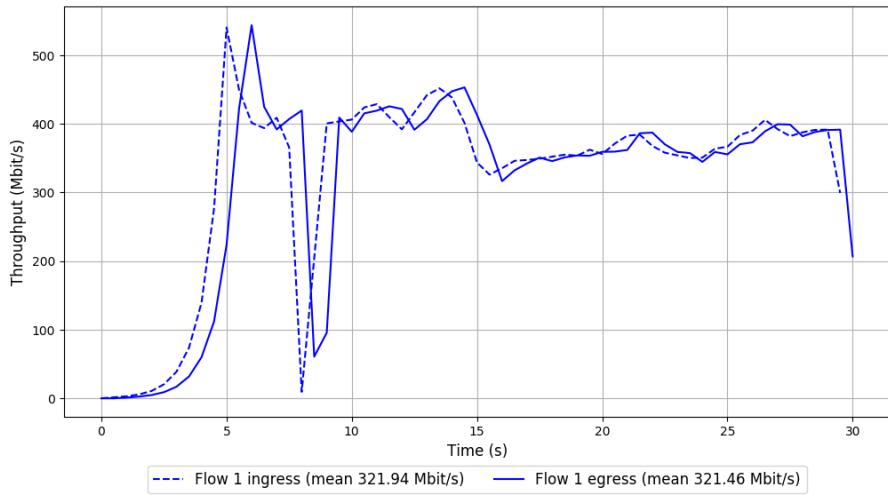


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2019-03-27 05:50:08
End at: 2019-03-27 05:50:38
Local clock offset: 0.218 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2019-03-27 09:54:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 321.46 Mbit/s
95th percentile per-packet one-way delay: 146.076 ms
Loss rate: 1.04%
-- Flow 1:
Average throughput: 321.46 Mbit/s
95th percentile per-packet one-way delay: 146.076 ms
Loss rate: 1.04%
```

Run 1: Report of PCC-Vivace — Data Link

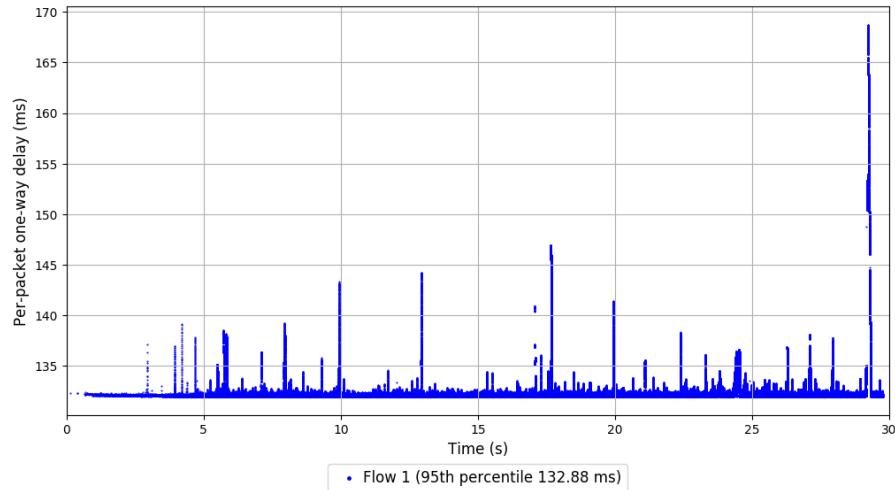
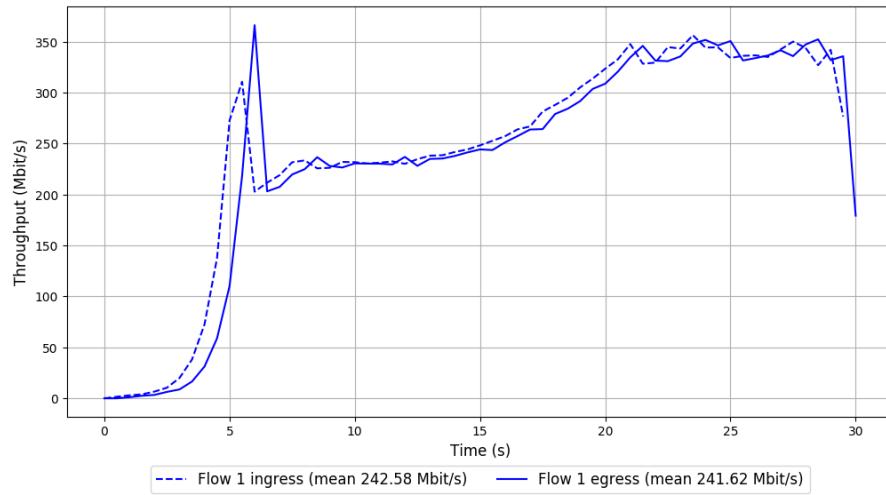


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-03-27 06:25:36
End at: 2019-03-27 06:26:06
Local clock offset: -0.13 ms
Remote clock offset: -0.168 ms

# Below is generated by plot.py at 2019-03-27 09:54:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 241.62 Mbit/s
95th percentile per-packet one-way delay: 132.877 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 241.62 Mbit/s
95th percentile per-packet one-way delay: 132.877 ms
Loss rate: 1.28%
```

Run 2: Report of PCC-Vivace — Data Link

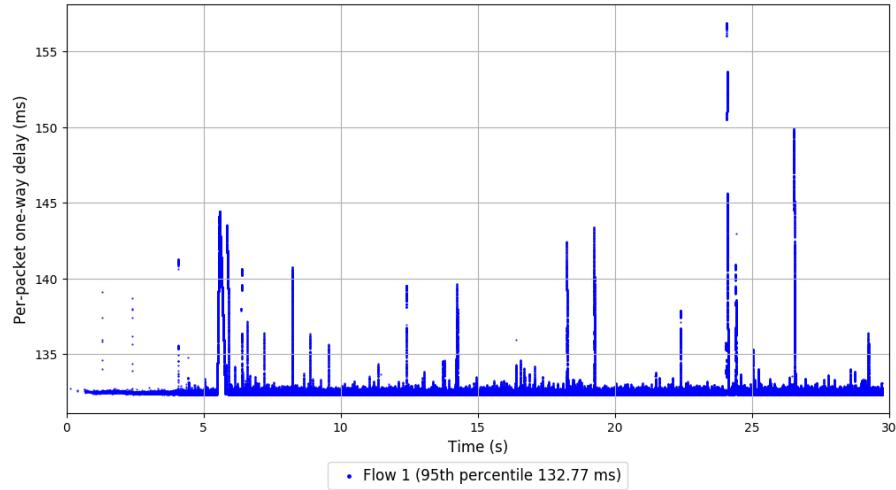
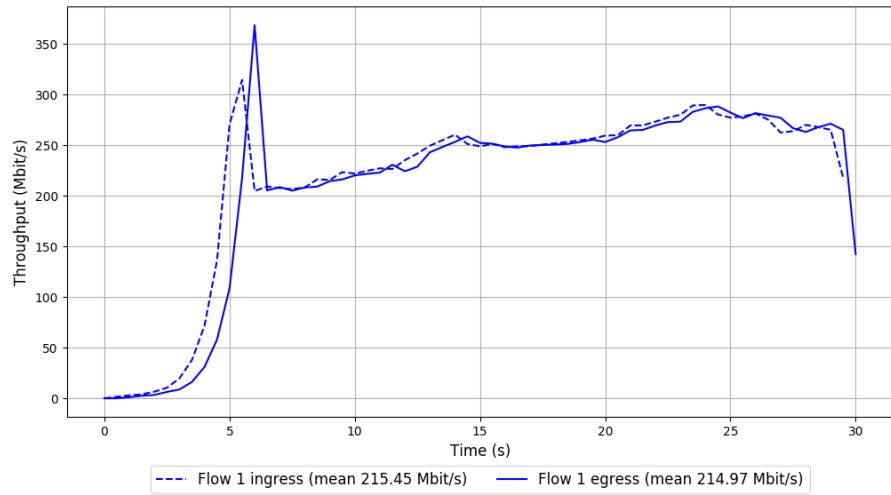


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-03-27 07:00:41
End at: 2019-03-27 07:01:11
Local clock offset: -0.072 ms
Remote clock offset: -0.092 ms

# Below is generated by plot.py at 2019-03-27 09:54:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 214.97 Mbit/s
95th percentile per-packet one-way delay: 132.766 ms
Loss rate: 1.11%
-- Flow 1:
Average throughput: 214.97 Mbit/s
95th percentile per-packet one-way delay: 132.766 ms
Loss rate: 1.11%
```

Run 3: Report of PCC-Vivace — Data Link

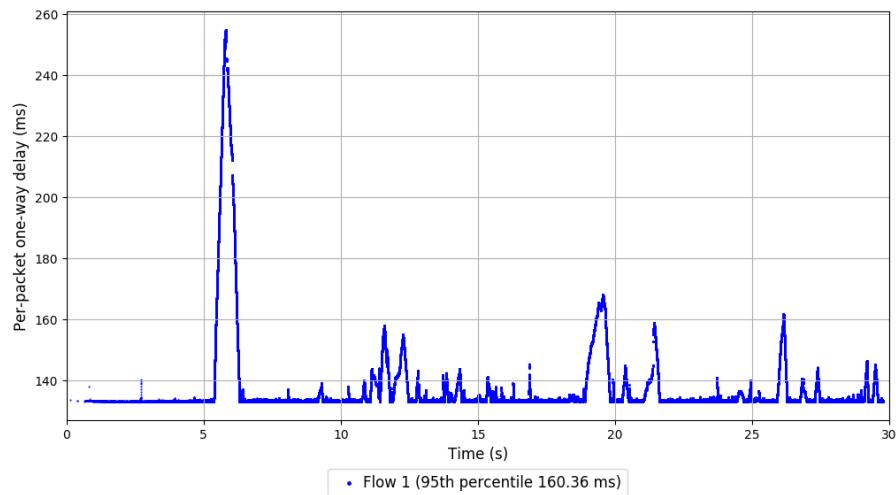
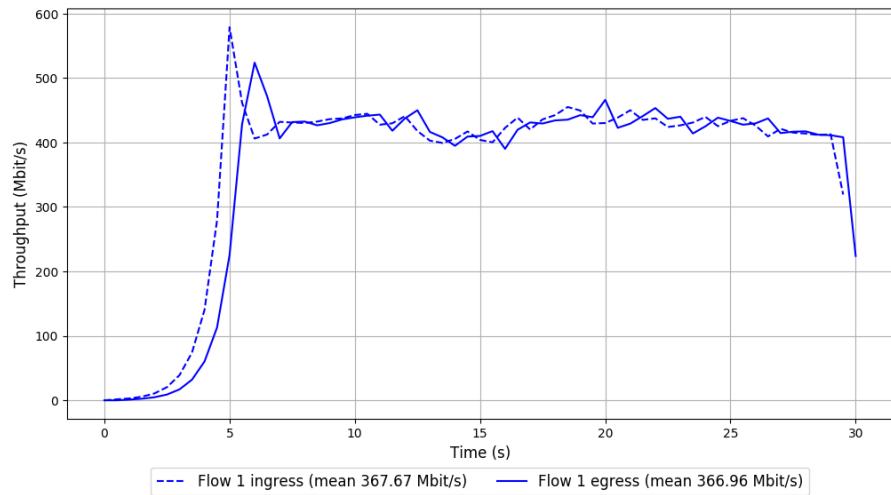


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-03-27 07:37:27
End at: 2019-03-27 07:37:57
Local clock offset: -0.142 ms
Remote clock offset: -0.145 ms

# Below is generated by plot.py at 2019-03-27 09:54:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 366.96 Mbit/s
95th percentile per-packet one-way delay: 160.358 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 366.96 Mbit/s
95th percentile per-packet one-way delay: 160.358 ms
Loss rate: 1.09%
```

## Run 4: Report of PCC-Vivace — Data Link

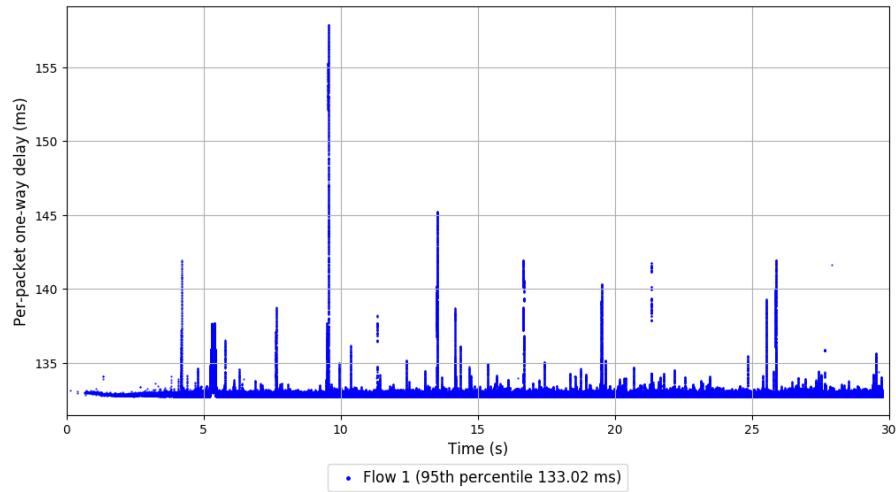
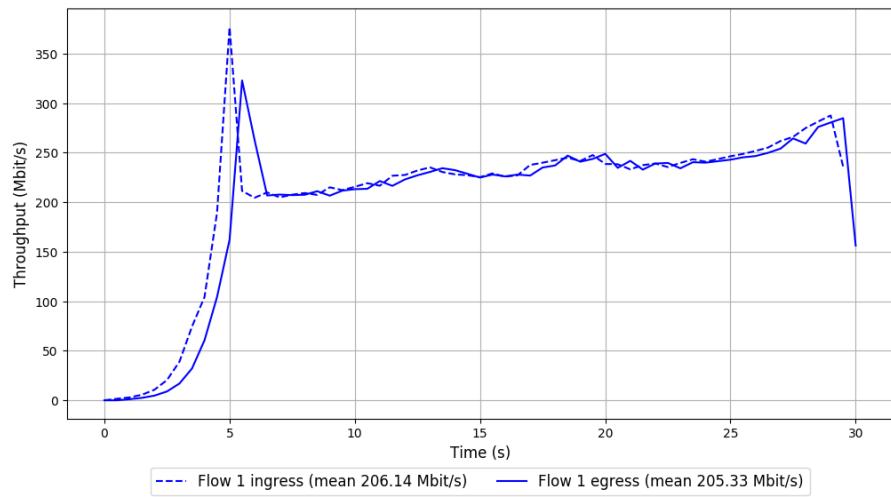


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-03-27 08:12:46
End at: 2019-03-27 08:13:16
Local clock offset: -0.064 ms
Remote clock offset: -0.129 ms

# Below is generated by plot.py at 2019-03-27 09:54:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 205.33 Mbit/s
95th percentile per-packet one-way delay: 133.022 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 205.33 Mbit/s
95th percentile per-packet one-way delay: 133.022 ms
Loss rate: 1.28%
```

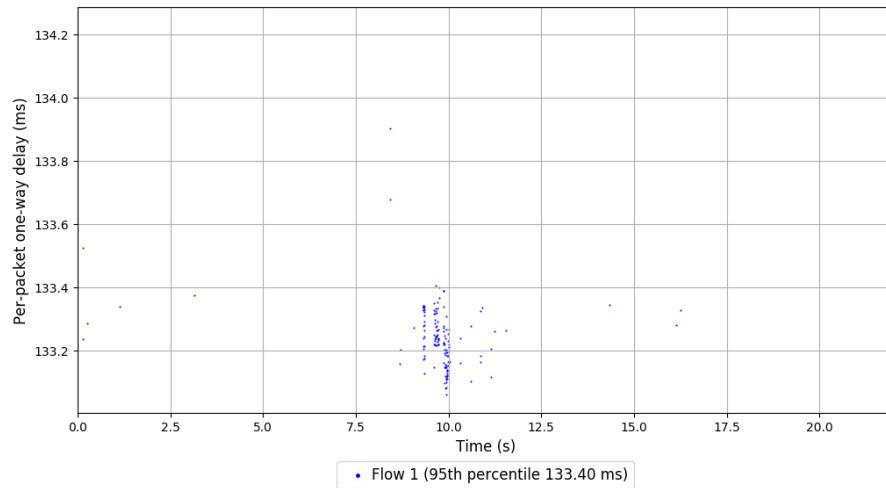
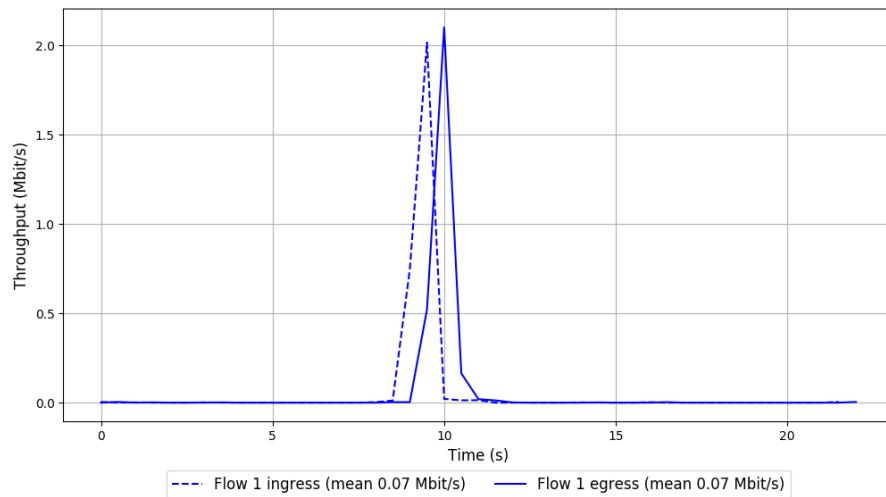
Run 5: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

Start at: 2019-03-27 05:16:01  
End at: 2019-03-27 05:16:31  
Local clock offset: 0.169 ms  
Remote clock offset: -0.099 ms

Run 1: Report of WebRTC media — Data Link

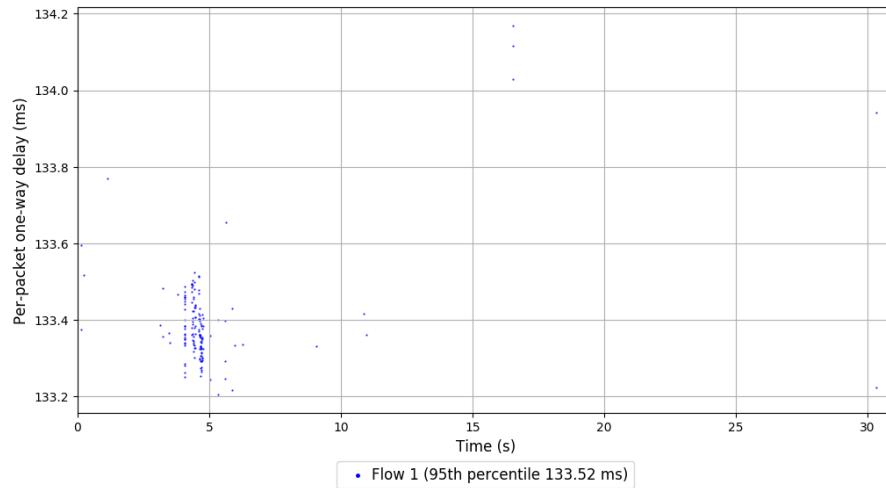
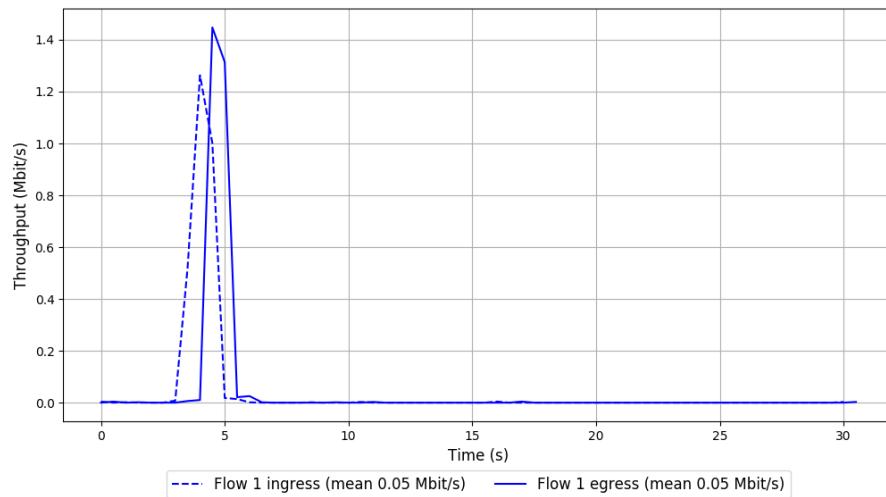


Run 2: Statistics of WebRTC media

```
Start at: 2019-03-27 05:51:45
End at: 2019-03-27 05:52:15
Local clock offset: -0.009 ms
Remote clock offset: -0.089 ms

# Below is generated by plot.py at 2019-03-27 09:54:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.518 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.518 ms
Loss rate: 0.00%
```

## Run 2: Report of WebRTC media — Data Link

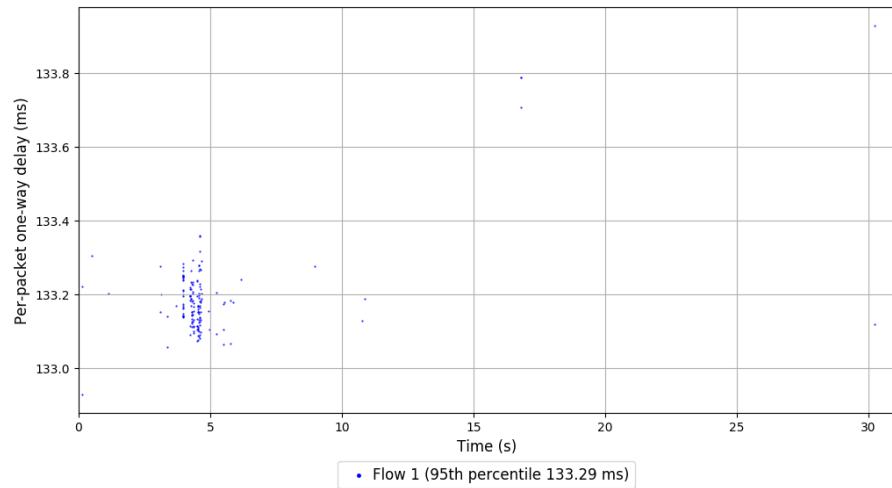
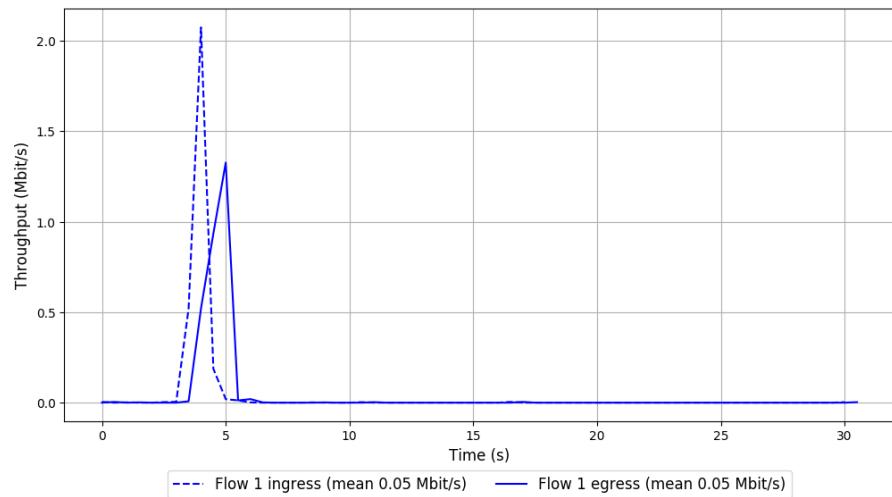


Run 3: Statistics of WebRTC media

```
Start at: 2019-03-27 06:27:12
End at: 2019-03-27 06:27:42
Local clock offset: -0.07 ms
Remote clock offset: -0.166 ms

# Below is generated by plot.py at 2019-03-27 09:54:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.293 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.293 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

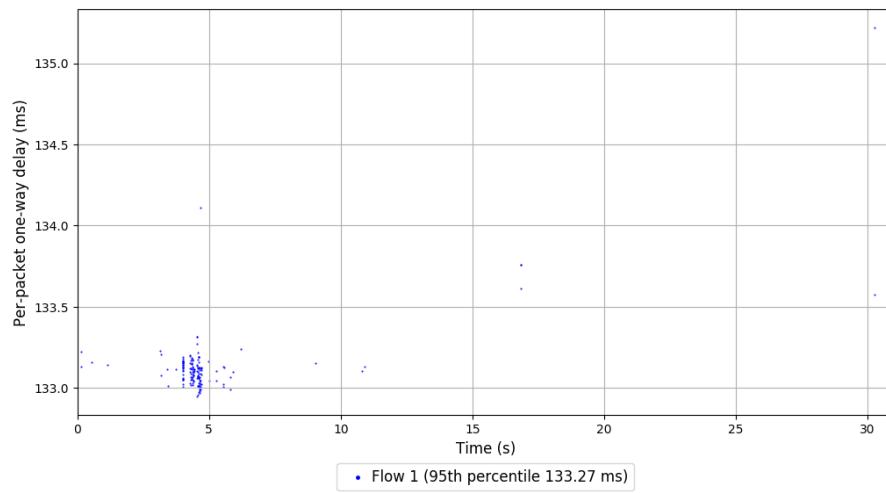
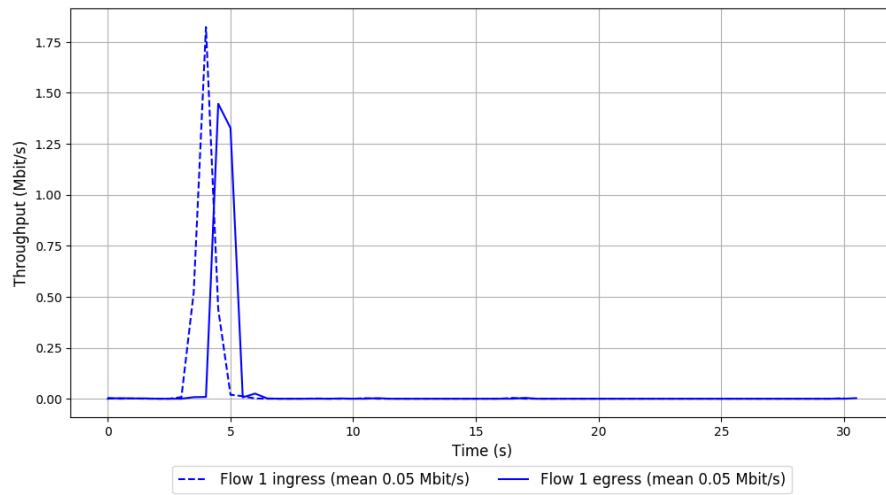


Run 4: Statistics of WebRTC media

```
Start at: 2019-03-27 07:02:28
End at: 2019-03-27 07:02:58
Local clock offset: -0.096 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2019-03-27 09:54:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.270 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.270 ms
Loss rate: 0.00%
```

Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-03-27 07:39:24
End at: 2019-03-27 07:39:54
Local clock offset: -0.357 ms
Remote clock offset: -0.18 ms

# Below is generated by plot.py at 2019-03-27 09:54:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.183 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 133.183 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

