

## Pantheon Report

Generated at 2019-02-12 02:21:17 (UTC).  
Data path: Saudi Arabia on `enp2s0` (*remote*) → AWS India 2 on `ens5` (*local*).  
Repeated the test of 21 congestion control schemes 5 times.  
Each test lasted for 30 seconds running 1 flow.  
NTP offsets were measured against `nets.org.sg` and have been applied to correct the timestamps in logs.

System info:

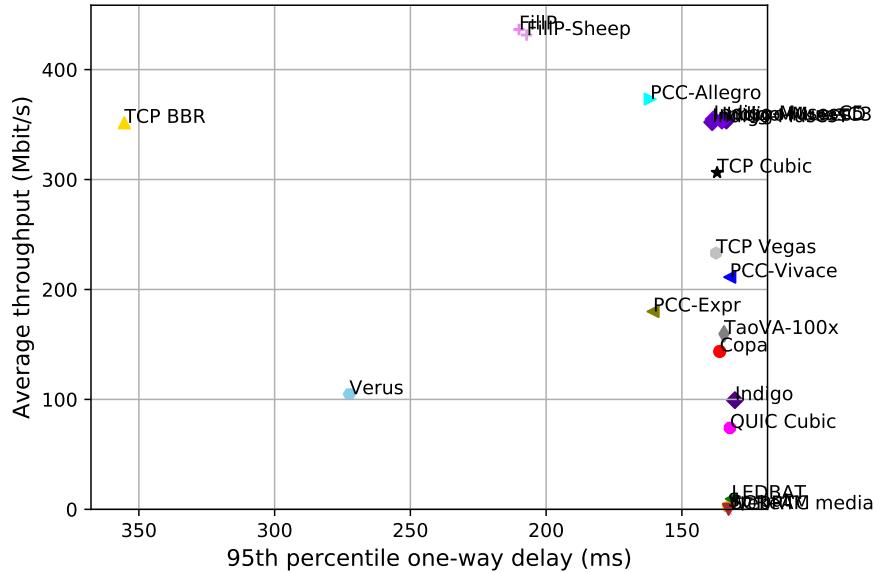
```
Linux 4.15.0-1031-aws
net.core.default_qdisc = fq
net.core.rmem_default = 16777216
net.core.rmem_max = 536870912
net.core.wmem_default = 16777216
net.core.wmem_max = 536870912
net.ipv4.tcp_rmem = 4096 16777216 536870912
net.ipv4.tcp_wmem = 4096 16777216 536870912
```

Git summary:

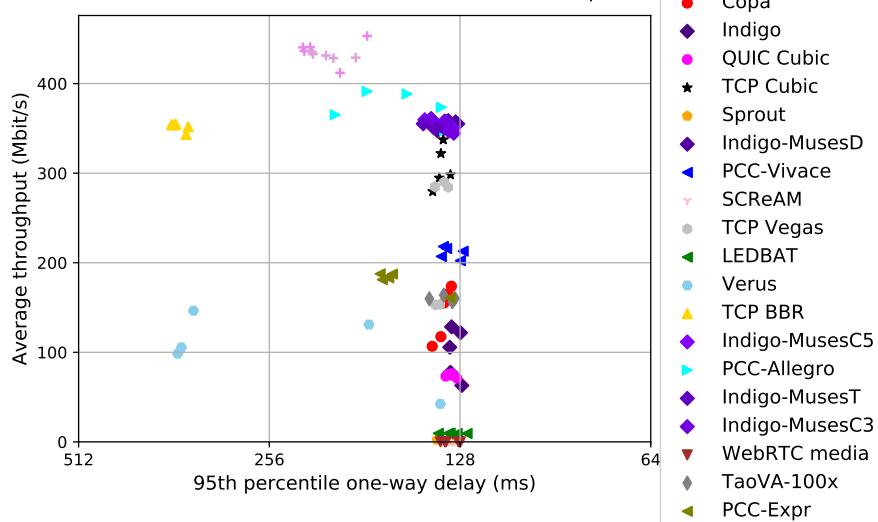
```
branch: muses @ 7a686f7c2ed0a333082c0bab1fa5c921ab47e6ee
third_party/fillp @ d6da1459332fce56963885d7eba17e6a32d4519
third_party/fillp-sheep @ 0e5bb722943babcd2b090d2c64fc45e12e923f9
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eaab4a906ce6bb7cf3cf
third_party/muses @ 5ce721187ad823da20955337730c746486ca4966
third_party/pantheon-tunnel @ f866d3f58d27af942717625ee3a354cc2e802bd
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
M receiver/src/buffer.h
M receiver/src/core.cpp
M sender/src/buffer.h
M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
M src/ScreamClient
M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
M src/examples/cellsim.cc
M src/examples/sproutbt2.cc
M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
M src/verus.hpp
M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
```

third\_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851

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



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



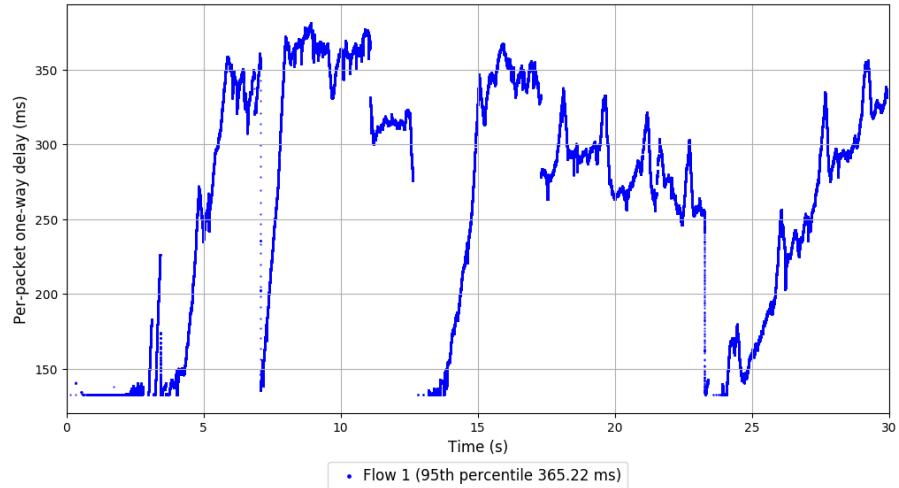
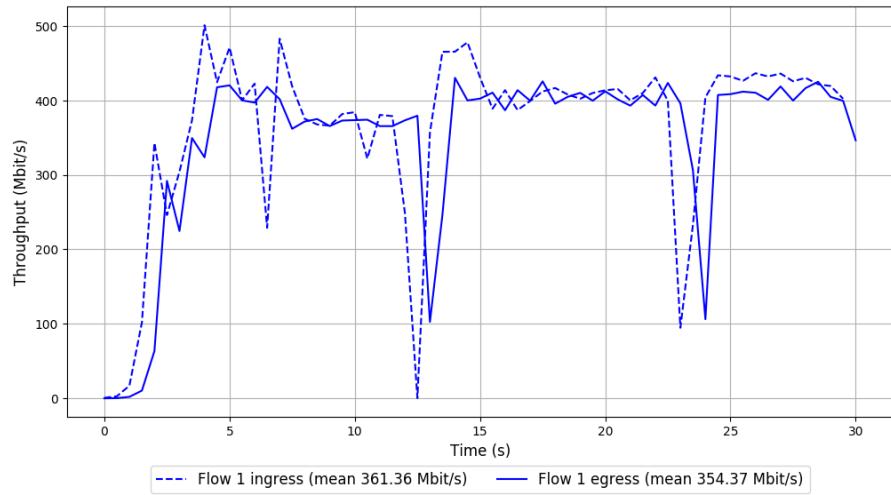
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	5	351.56	355.35	2.14
Copa	5	143.63	136.07	0.68
TCP Cubic	5	306.36	137.03	0.73
FillP	5	436.54	209.99	1.07
FillP-Sheep	5	431.48	207.19	1.64
Indigo	5	99.30	130.47	0.69
Indigo-MusesC3	5	353.67	135.27	0.73
Indigo-MusesC5	5	354.81	138.32	0.77
Indigo-MusesD	5	353.67	133.62	0.72
Indigo-MusesT	5	352.18	138.84	0.74
LEDBAT	5	9.49	131.78	1.30
PCC-Allegro	5	373.20	161.68	1.06
PCC-Expr	5	179.97	160.62	0.67
QUIC Cubic	5	74.11	132.30	0.83
SCReAM	5	0.22	132.08	0.64
Sprout	5	2.48	133.03	0.92
TaoVA-100x	5	159.54	134.48	0.70
TCP Vegas	5	233.09	137.44	0.69
Verus	5	104.75	272.48	0.86
PCC-Vivace	5	211.23	132.37	0.78
WebRTC media	5	0.05	132.80	0.00

Run 1: Statistics of TCP BBR

```
Start at: 2019-02-11 23:04:25
End at: 2019-02-11 23:04:55
Local clock offset: 1.081 ms
Remote clock offset: -38.634 ms

# Below is generated by plot.py at 2019-02-12 01:51:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 354.37 Mbit/s
95th percentile per-packet one-way delay: 365.223 ms
Loss rate: 2.58%
-- Flow 1:
Average throughput: 354.37 Mbit/s
95th percentile per-packet one-way delay: 365.223 ms
Loss rate: 2.58%
```

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

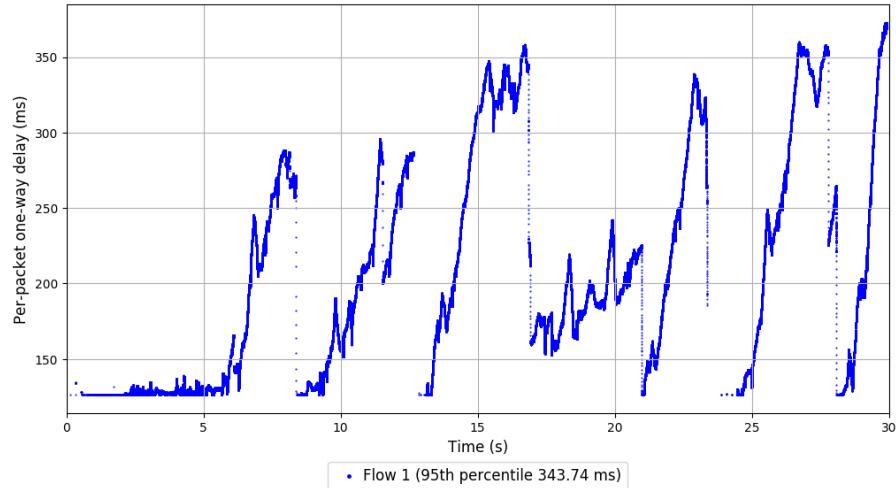
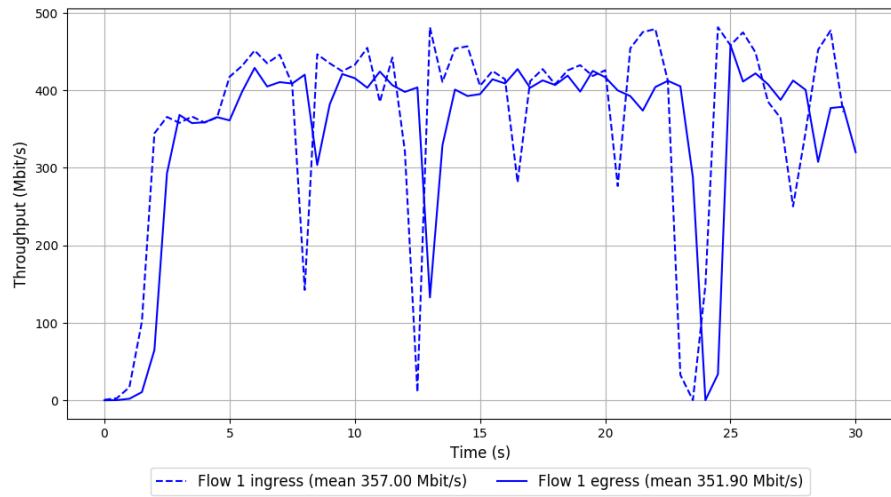


Run 2: Statistics of TCP BBR

```
Start at: 2019-02-11 23:49:40
End at: 2019-02-11 23:50:10
Local clock offset: -1.24 ms
Remote clock offset: -30.882 ms

# Below is generated by plot.py at 2019-02-12 01:51:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 351.90 Mbit/s
95th percentile per-packet one-way delay: 343.744 ms
Loss rate: 2.07%
-- Flow 1:
Average throughput: 351.90 Mbit/s
95th percentile per-packet one-way delay: 343.744 ms
Loss rate: 2.07%
```

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

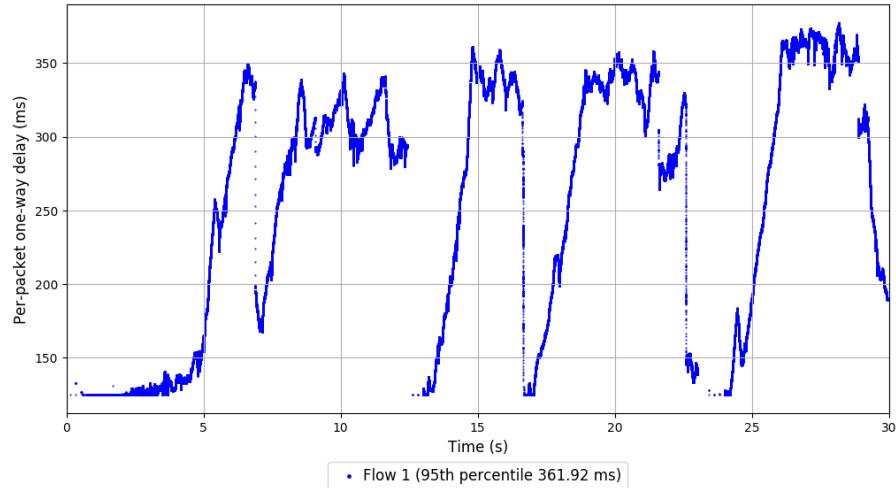
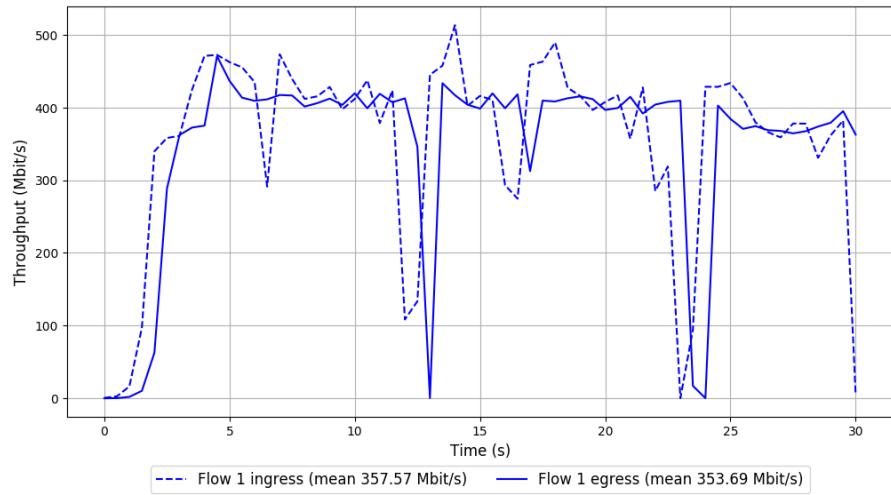


Run 3: Statistics of TCP BBR

```
Start at: 2019-02-12 00:29:21
End at: 2019-02-12 00:29:51
Local clock offset: -1.777 ms
Remote clock offset: -25.194 ms

# Below is generated by plot.py at 2019-02-12 01:51:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 353.69 Mbit/s
95th percentile per-packet one-way delay: 361.915 ms
Loss rate: 1.74%
-- Flow 1:
Average throughput: 353.69 Mbit/s
95th percentile per-packet one-way delay: 361.915 ms
Loss rate: 1.74%
```

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

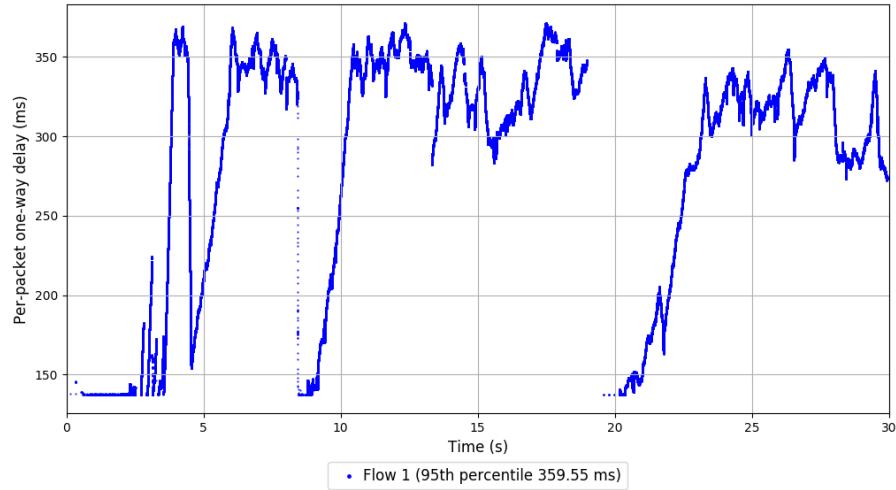
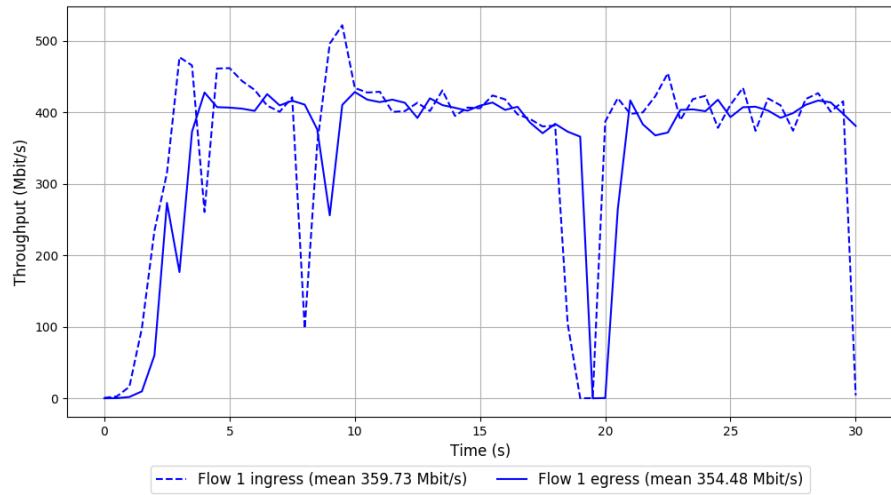


Run 4: Statistics of TCP BBR

```
Start at: 2019-02-12 01:03:30
End at: 2019-02-12 01:04:00
Local clock offset: 0.116 ms
Remote clock offset: -38.323 ms

# Below is generated by plot.py at 2019-02-12 01:51:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 354.48 Mbit/s
95th percentile per-packet one-way delay: 359.545 ms
Loss rate: 2.11%
-- Flow 1:
Average throughput: 354.48 Mbit/s
95th percentile per-packet one-way delay: 359.545 ms
Loss rate: 2.11%
```

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

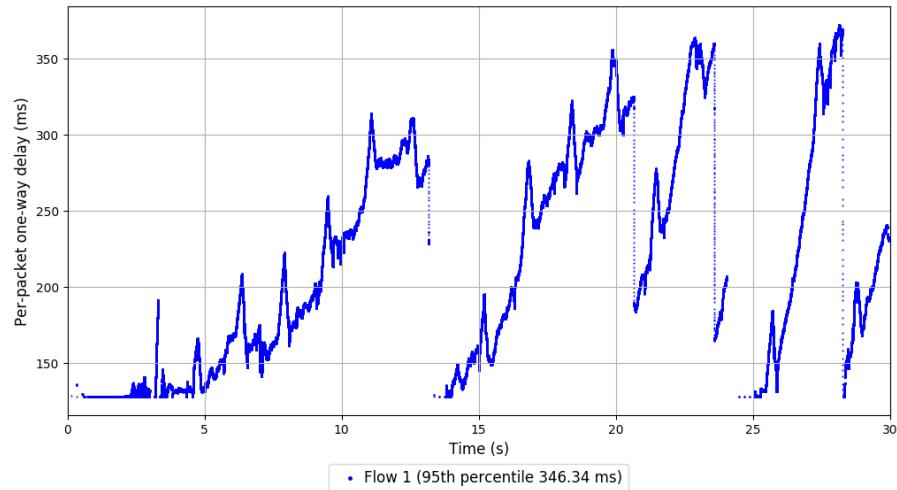
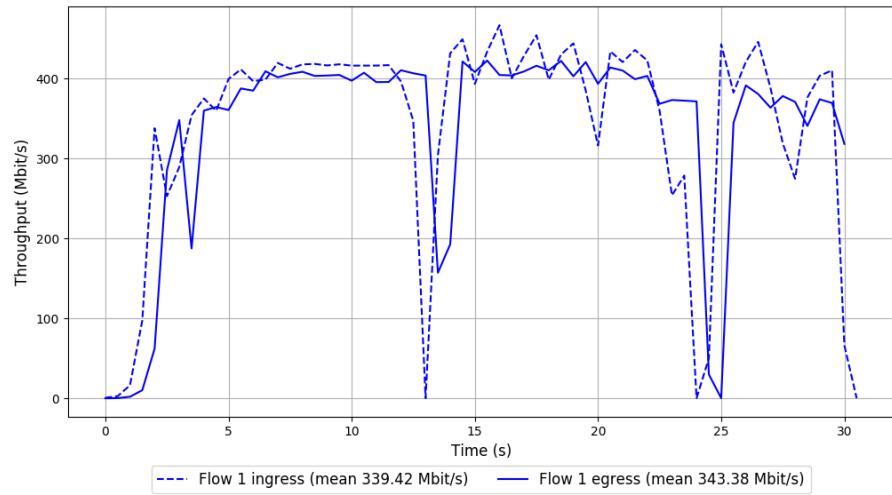


Run 5: Statistics of TCP BBR

```
Start at: 2019-02-12 01:31:44
End at: 2019-02-12 01:32:14
Local clock offset: -1.013 ms
Remote clock offset: -39.301 ms

# Below is generated by plot.py at 2019-02-12 01:51:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 343.38 Mbit/s
95th percentile per-packet one-way delay: 346.344 ms
Loss rate: 2.21%
-- Flow 1:
Average throughput: 343.38 Mbit/s
95th percentile per-packet one-way delay: 346.344 ms
Loss rate: 2.21%
```

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

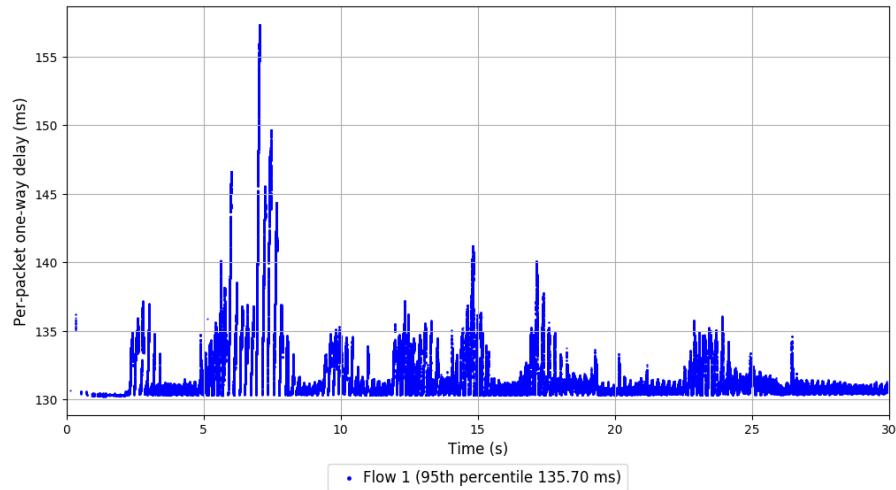
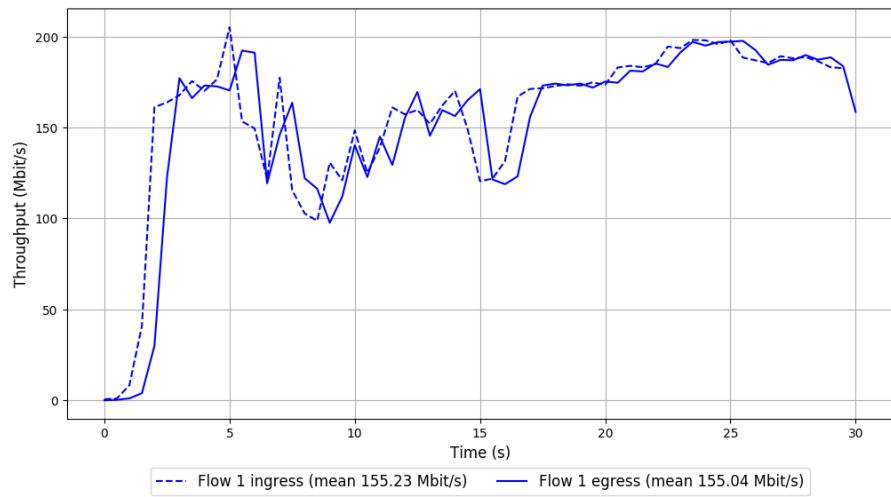


Run 1: Statistics of Copa

```
Start at: 2019-02-11 22:31:35
End at: 2019-02-11 22:32:05
Local clock offset: -1.499 ms
Remote clock offset: -34.313 ms

# Below is generated by plot.py at 2019-02-12 01:51:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 155.04 Mbit/s
95th percentile per-packet one-way delay: 135.699 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 155.04 Mbit/s
95th percentile per-packet one-way delay: 135.699 ms
Loss rate: 0.76%
```

## Run 1: Report of Copa — Data Link

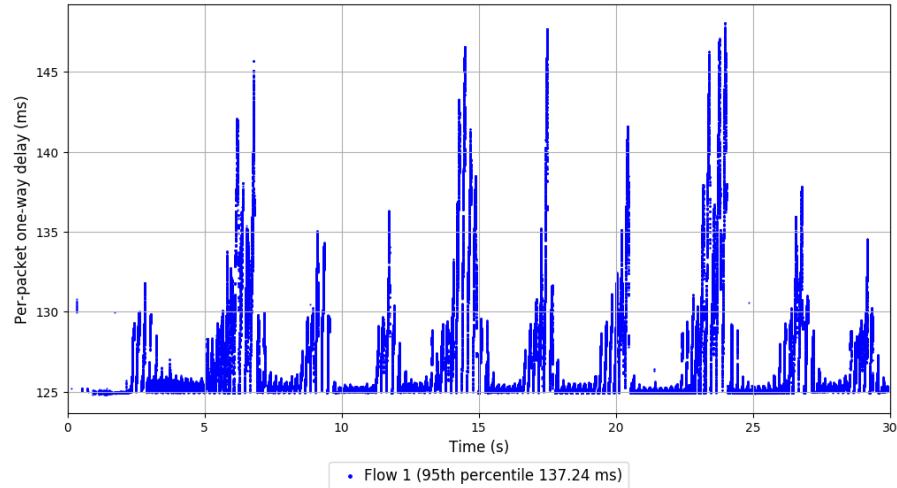
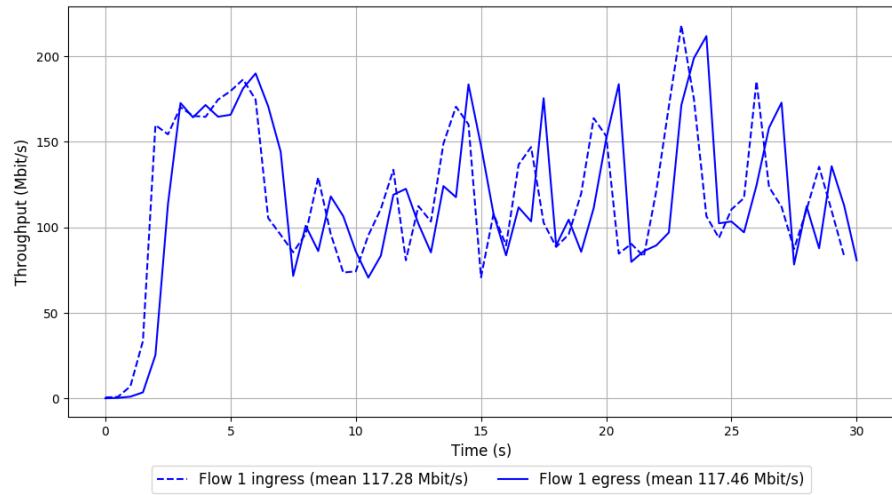


Run 2: Statistics of Copa

```
Start at: 2019-02-11 23:11:15
End at: 2019-02-11 23:11:45
Local clock offset: -0.374 ms
Remote clock offset: -29.949 ms

# Below is generated by plot.py at 2019-02-12 01:51:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 117.46 Mbit/s
95th percentile per-packet one-way delay: 137.238 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 117.46 Mbit/s
95th percentile per-packet one-way delay: 137.238 ms
Loss rate: 0.49%
```

## Run 2: Report of Copa — Data Link

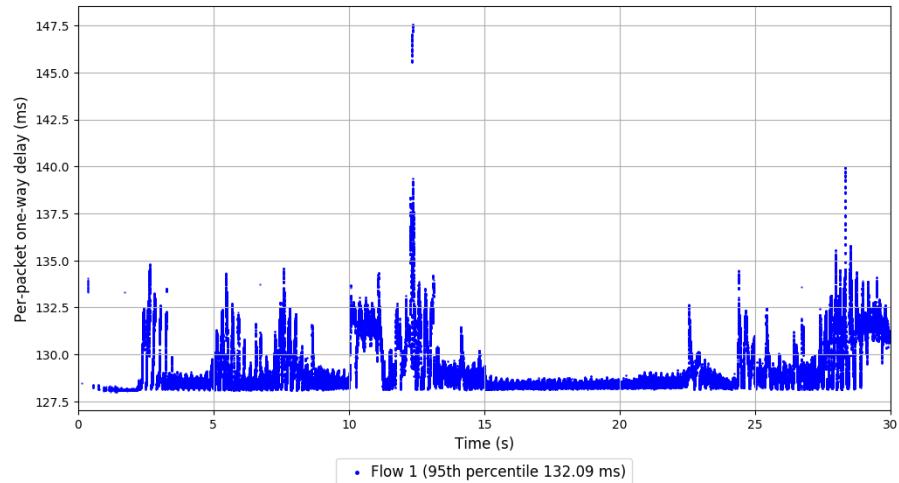
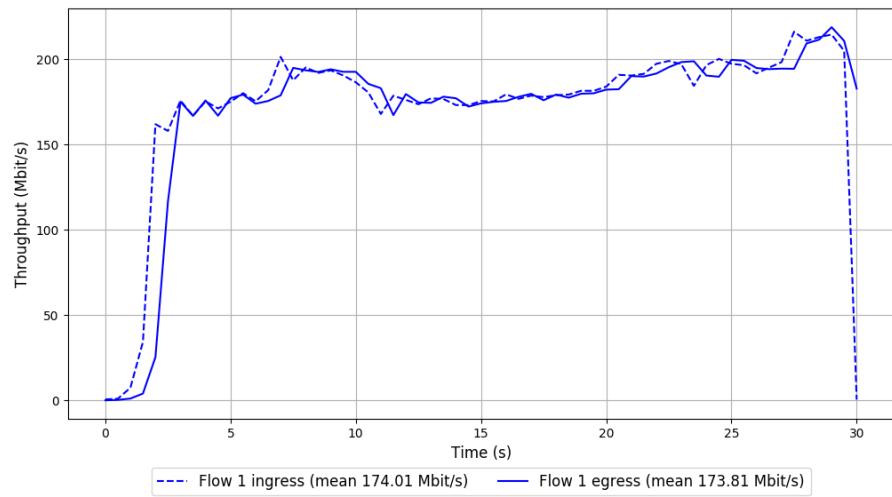


Run 3: Statistics of Copa

```
Start at: 2019-02-11 23:56:32
End at: 2019-02-11 23:57:02
Local clock offset: -0.372 ms
Remote clock offset: -30.094 ms

# Below is generated by plot.py at 2019-02-12 01:51:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 173.81 Mbit/s
95th percentile per-packet one-way delay: 132.093 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 173.81 Mbit/s
95th percentile per-packet one-way delay: 132.093 ms
Loss rate: 0.77%
```

### Run 3: Report of Copa — Data Link

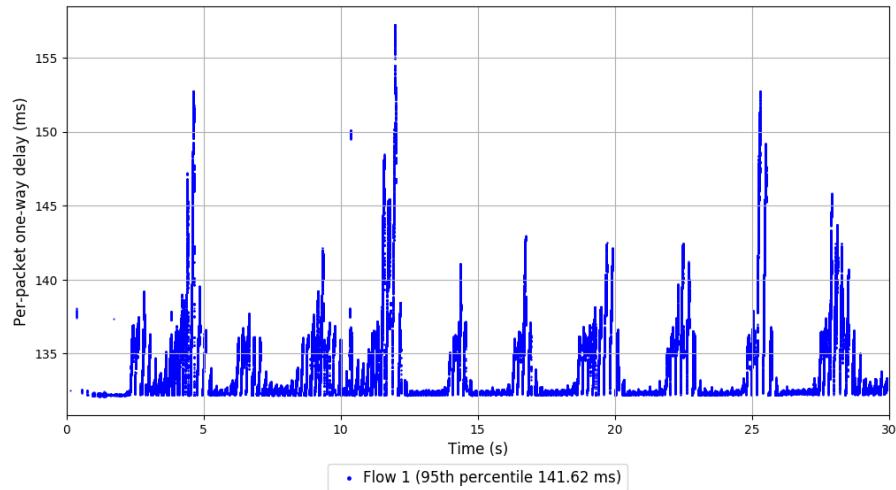
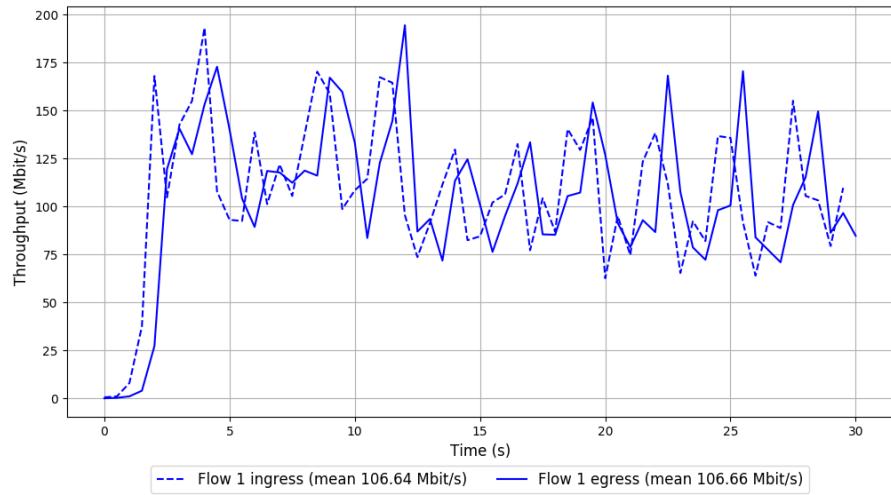


Run 4: Statistics of Copa

```
Start at: 2019-02-12 00:36:32
End at: 2019-02-12 00:37:02
Local clock offset: -2.866 ms
Remote clock offset: -32.649 ms

# Below is generated by plot.py at 2019-02-12 01:52:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 106.66 Mbit/s
95th percentile per-packet one-way delay: 141.623 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 106.66 Mbit/s
95th percentile per-packet one-way delay: 141.623 ms
Loss rate: 0.64%
```

## Run 4: Report of Copa — Data Link

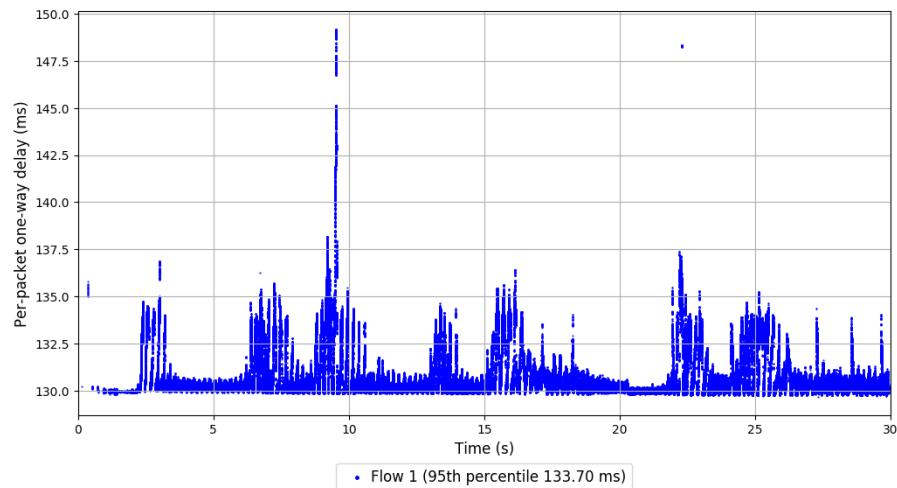
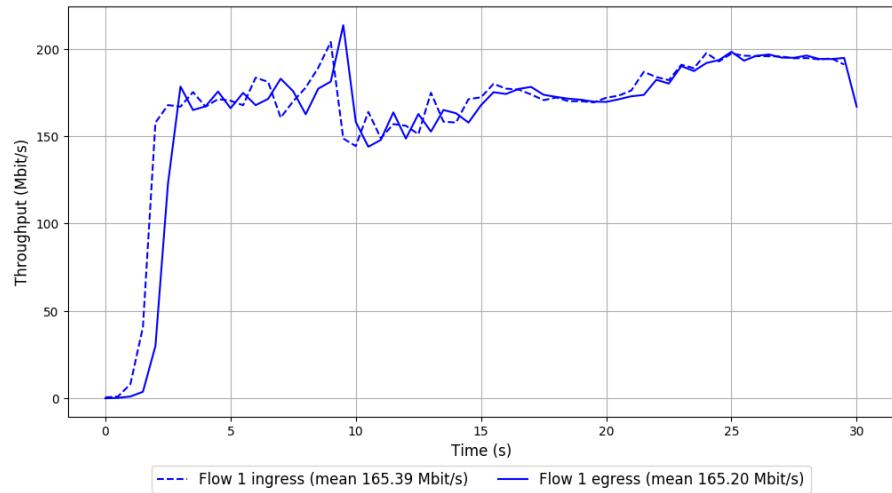


Run 5: Statistics of Copa

```
Start at: 2019-02-12 01:10:19
End at: 2019-02-12 01:10:49
Local clock offset: 1.892 ms
Remote clock offset: -34.723 ms

# Below is generated by plot.py at 2019-02-12 01:54:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 165.20 Mbit/s
95th percentile per-packet one-way delay: 133.700 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 165.20 Mbit/s
95th percentile per-packet one-way delay: 133.700 ms
Loss rate: 0.75%
```

### Run 5: Report of Copa — Data Link

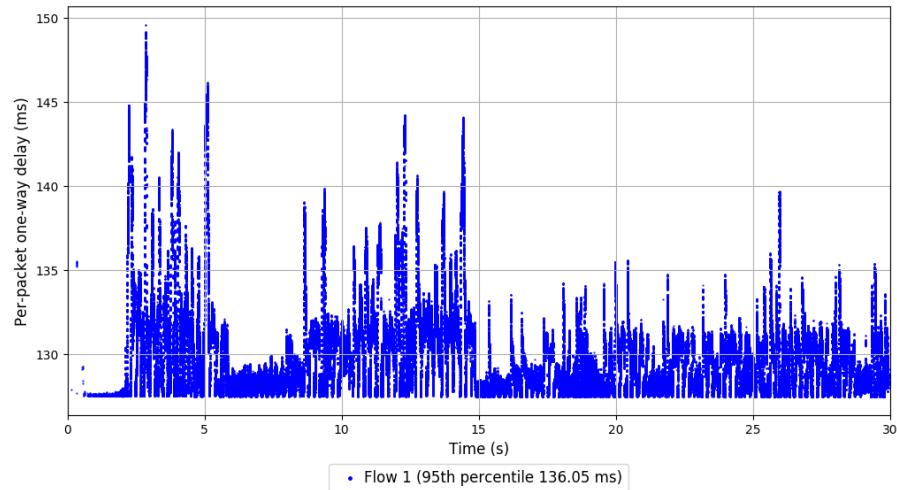
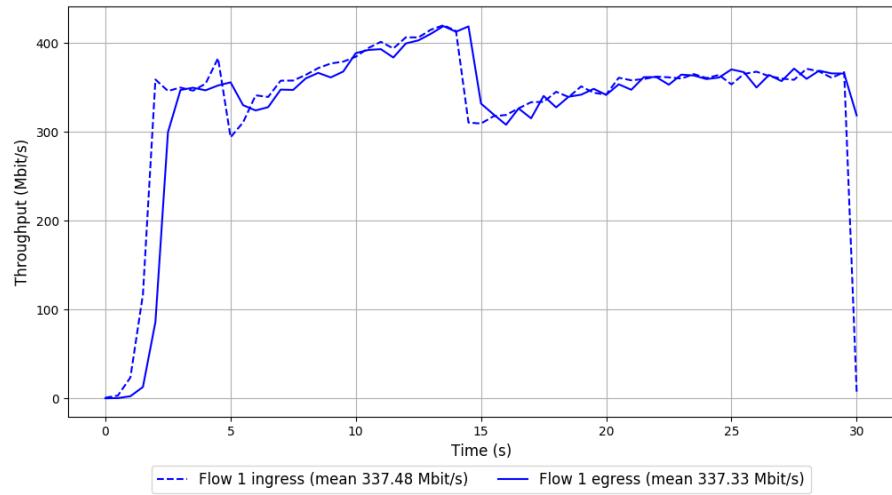


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2019-02-11 22:51:46
End at: 2019-02-11 22:52:16
Local clock offset: 0.705 ms
Remote clock offset: -33.644 ms

# Below is generated by plot.py at 2019-02-12 01:54:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 337.33 Mbit/s
95th percentile per-packet one-way delay: 136.054 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 337.33 Mbit/s
95th percentile per-packet one-way delay: 136.054 ms
Loss rate: 0.71%
```

Run 1: Report of TCP Cubic — Data Link

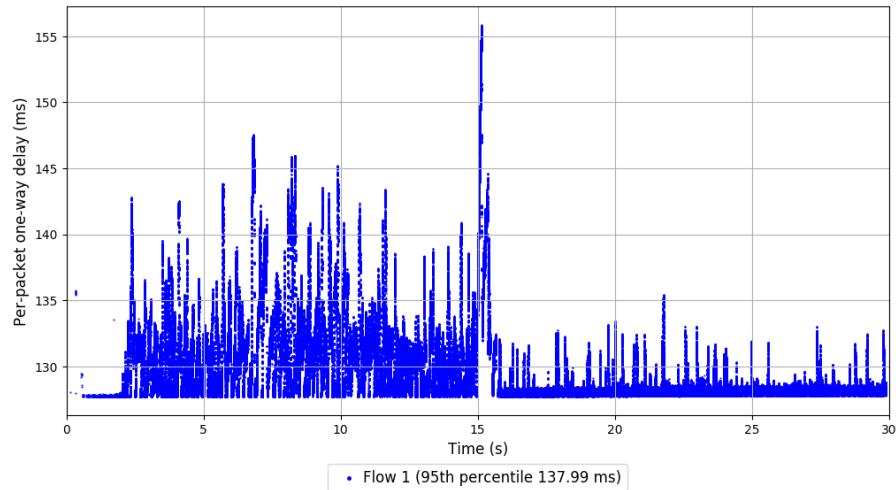
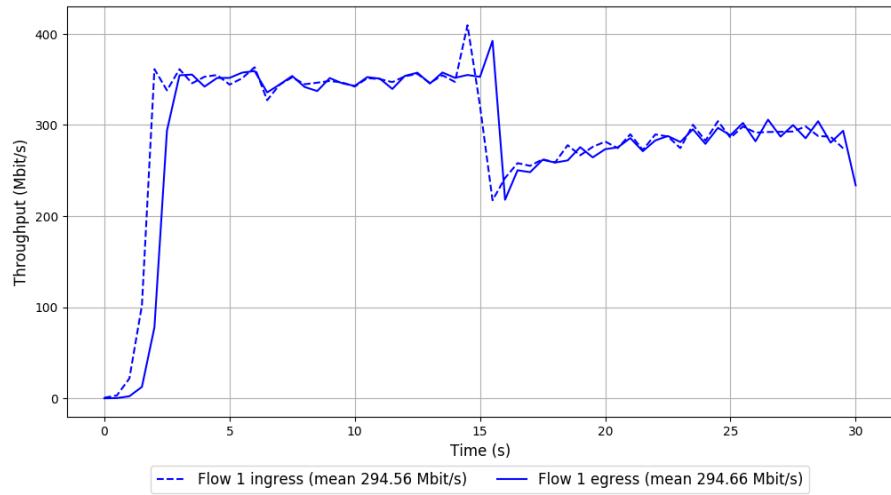


Run 2: Statistics of TCP Cubic

```
Start at: 2019-02-11 23:37:00
End at: 2019-02-11 23:37:30
Local clock offset: -0.639 ms
Remote clock offset: -31.214 ms

# Below is generated by plot.py at 2019-02-12 01:54:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 294.66 Mbit/s
95th percentile per-packet one-way delay: 137.991 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 294.66 Mbit/s
95th percentile per-packet one-way delay: 137.991 ms
Loss rate: 0.63%
```

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

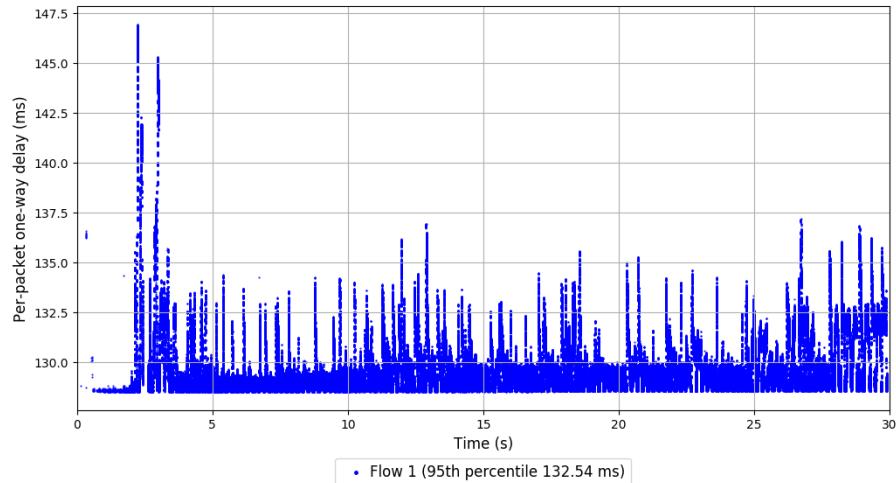
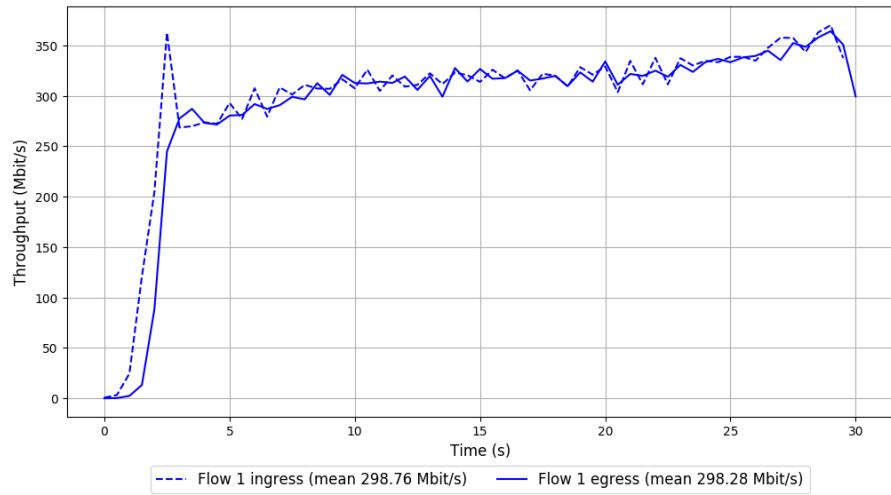


Run 3: Statistics of TCP Cubic

```
Start at: 2019-02-12 00:11:06
End at: 2019-02-12 00:11:36
Local clock offset: -2.463 ms
Remote clock offset: -30.991 ms

# Below is generated by plot.py at 2019-02-12 01:54:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 298.28 Mbit/s
95th percentile per-packet one-way delay: 132.538 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 298.28 Mbit/s
95th percentile per-packet one-way delay: 132.538 ms
Loss rate: 0.81%
```

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

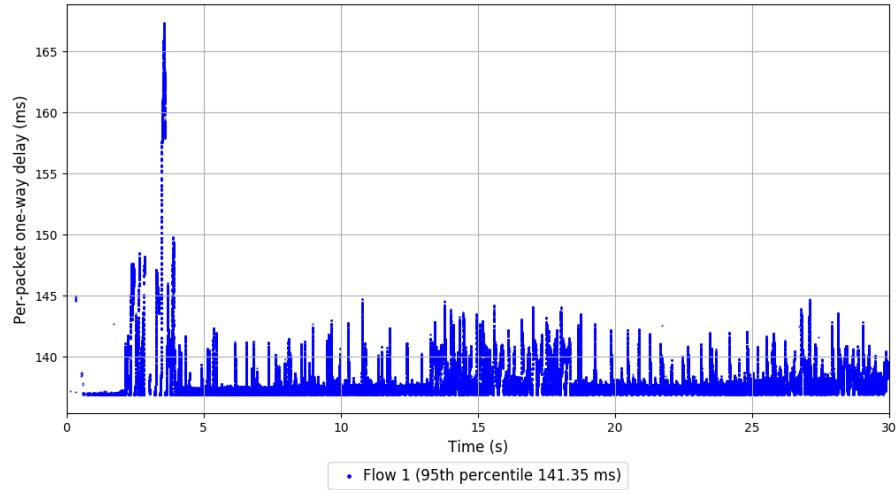
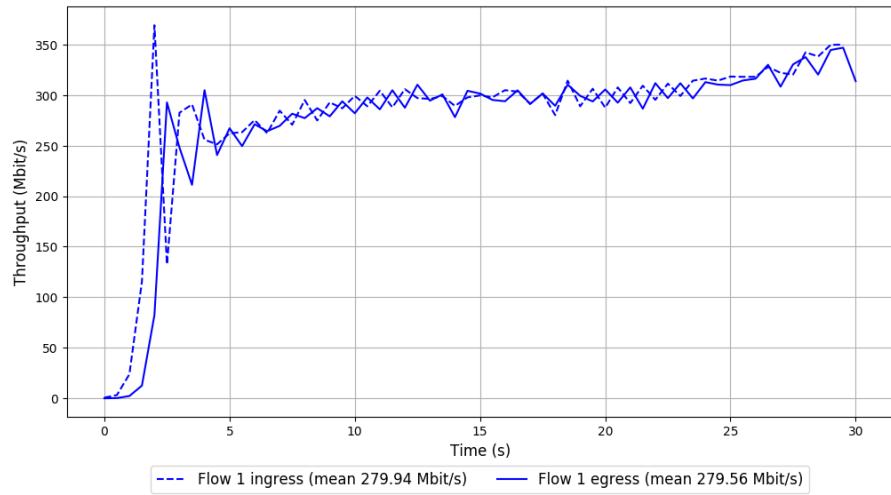


Run 4: Statistics of TCP Cubic

```
Start at: 2019-02-12 00:51:01
End at: 2019-02-12 00:51:31
Local clock offset: -0.082 ms
Remote clock offset: -33.809 ms

# Below is generated by plot.py at 2019-02-12 01:54:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 279.56 Mbit/s
95th percentile per-packet one-way delay: 141.347 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 279.56 Mbit/s
95th percentile per-packet one-way delay: 141.347 ms
Loss rate: 0.79%
```

Run 4: Report of TCP Cubic — Data Link

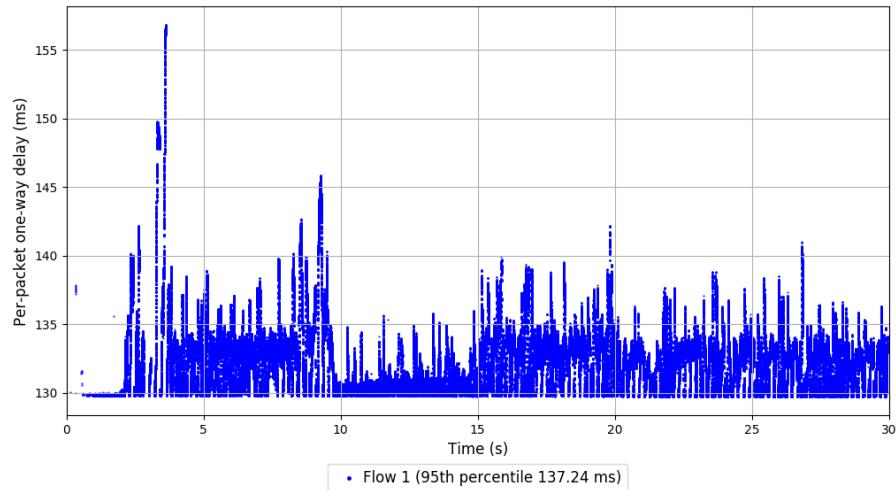
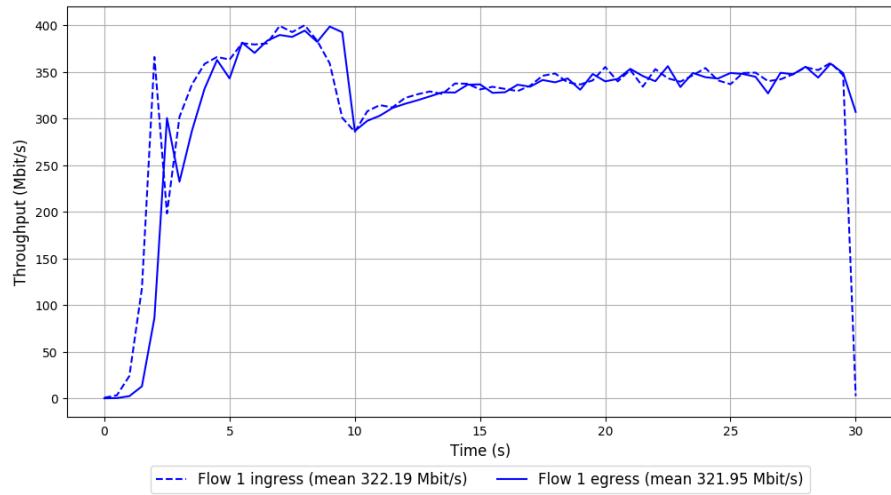


Run 5: Statistics of TCP Cubic

```
Start at: 2019-02-12 01:24:47
End at: 2019-02-12 01:25:17
Local clock offset: -0.905 ms
Remote clock offset: -39.359 ms

# Below is generated by plot.py at 2019-02-12 01:54:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 321.95 Mbit/s
95th percentile per-packet one-way delay: 137.235 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 321.95 Mbit/s
95th percentile per-packet one-way delay: 137.235 ms
Loss rate: 0.73%
```

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

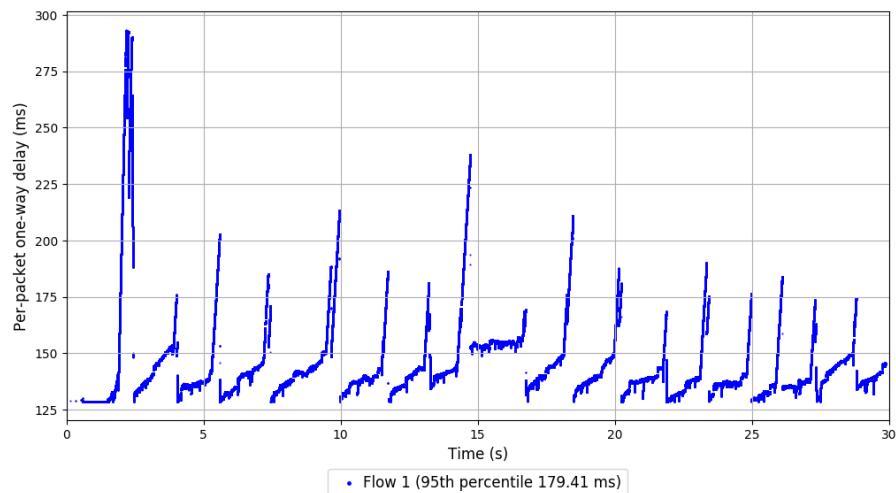
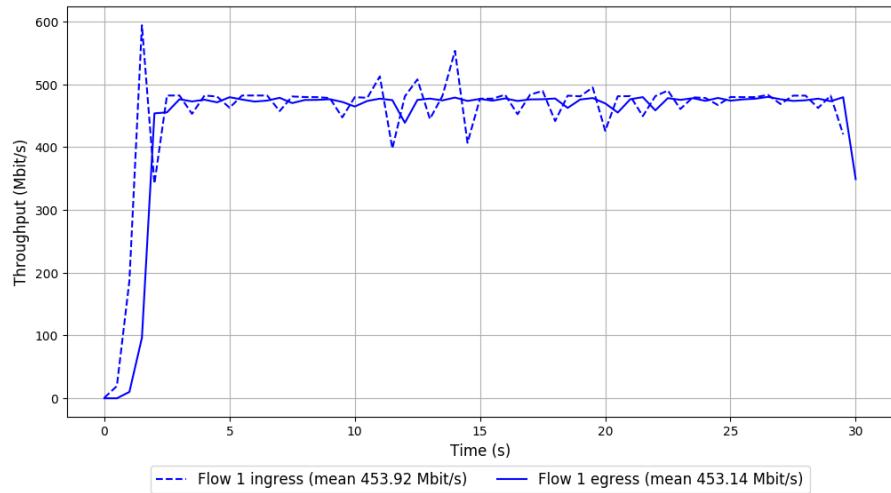


```
Run 1: Statistics of FillP

Start at: 2019-02-11 23:02:58
End at: 2019-02-11 23:03:28
Local clock offset: 1.39 ms
Remote clock offset: -32.578 ms

# Below is generated by plot.py at 2019-02-12 01:57:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 453.14 Mbit/s
95th percentile per-packet one-way delay: 179.409 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 453.14 Mbit/s
95th percentile per-packet one-way delay: 179.409 ms
Loss rate: 0.84%
```

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

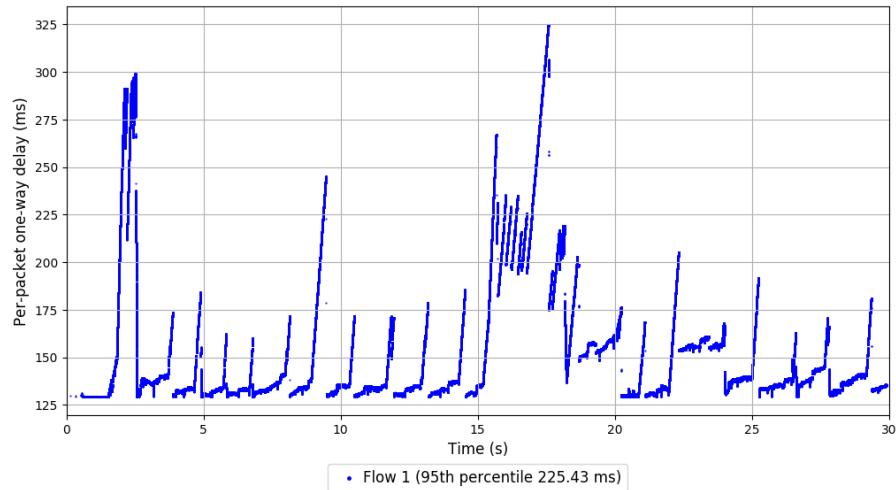
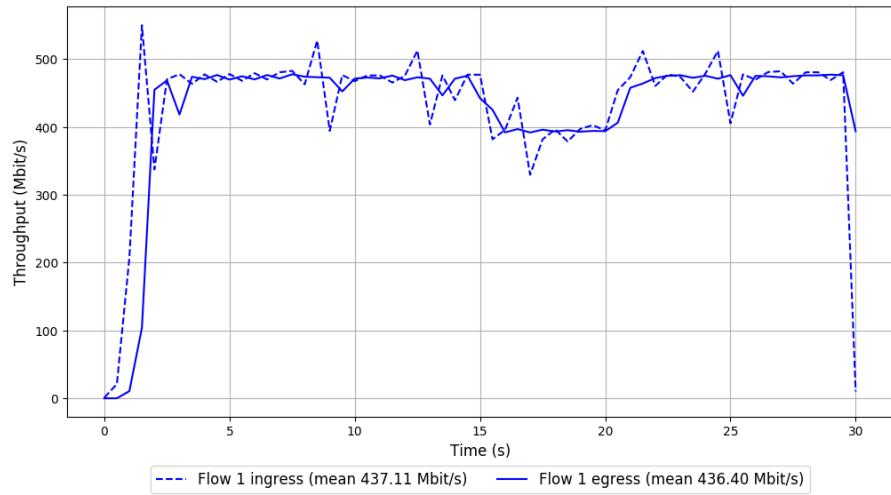


Run 2: Statistics of FillP

```
Start at: 2019-02-11 23:47:54
End at: 2019-02-11 23:48:24
Local clock offset: 1.317 ms
Remote clock offset: -31.574 ms

# Below is generated by plot.py at 2019-02-12 01:57:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 436.40 Mbit/s
95th percentile per-packet one-way delay: 225.430 ms
Loss rate: 0.92%
-- Flow 1:
Average throughput: 436.40 Mbit/s
95th percentile per-packet one-way delay: 225.430 ms
Loss rate: 0.92%
```

Run 2: Report of FillP — Data Link

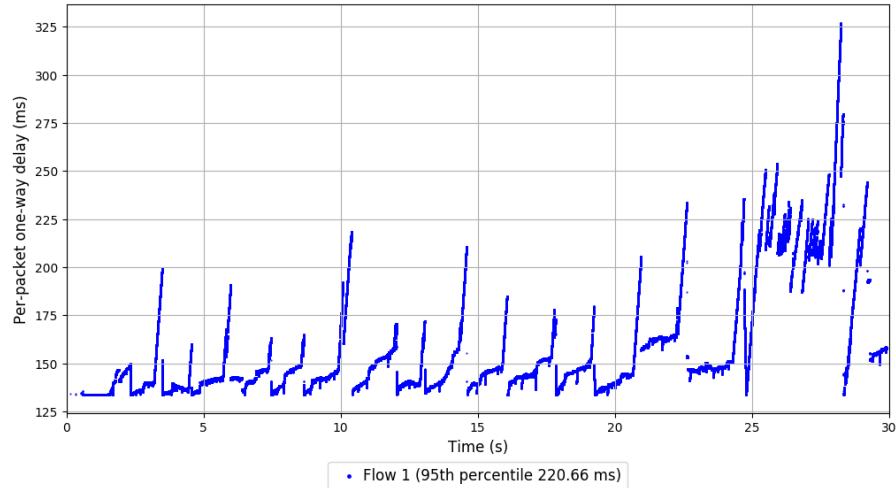
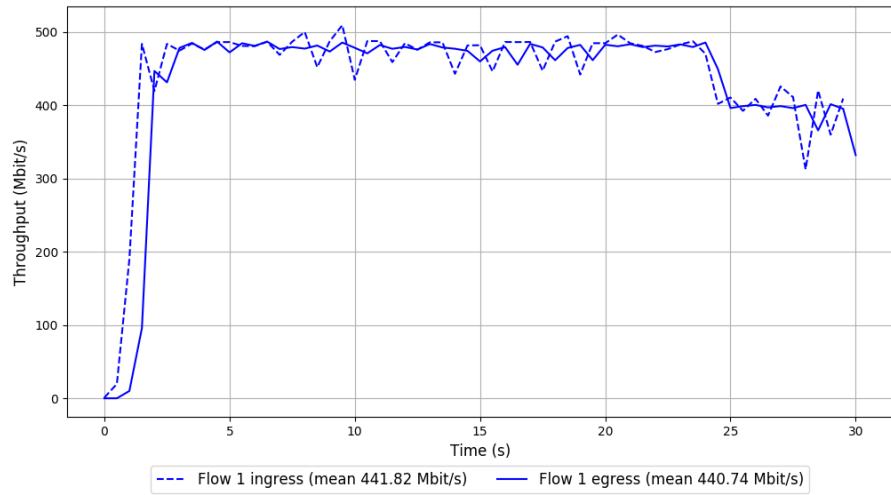


```
Run 3: Statistics of FillP
```

```
Start at: 2019-02-12 00:27:36
End at: 2019-02-12 00:28:06
Local clock offset: 0.231 ms
Remote clock offset: -32.366 ms

# Below is generated by plot.py at 2019-02-12 01:59:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 440.74 Mbit/s
95th percentile per-packet one-way delay: 220.665 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 440.74 Mbit/s
95th percentile per-packet one-way delay: 220.665 ms
Loss rate: 0.87%
```

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

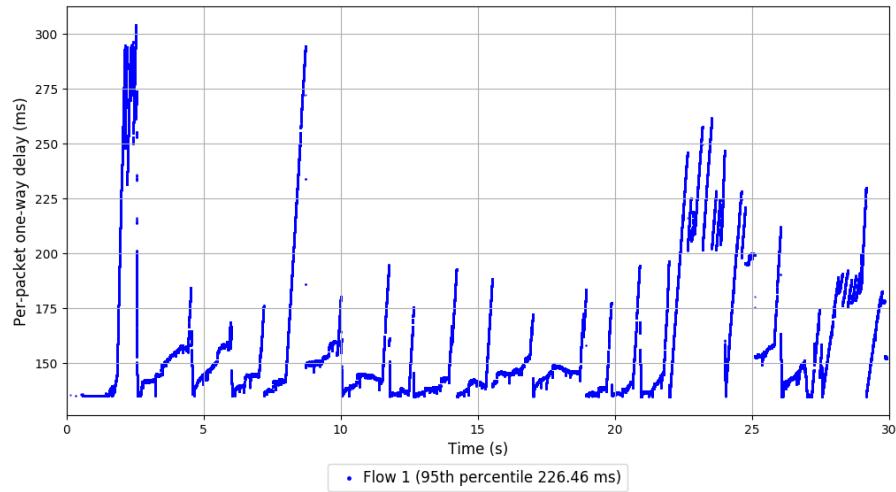
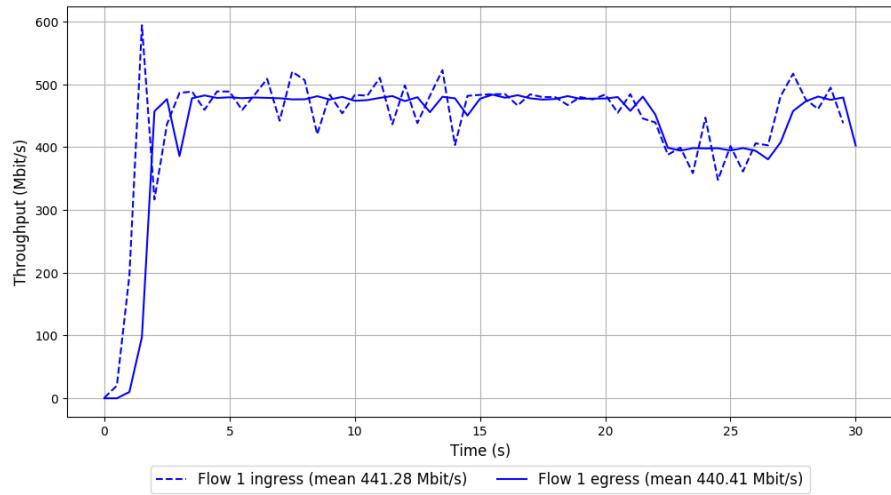


Run 4: Statistics of FillP

```
Start at: 2019-02-12 01:02:03
End at: 2019-02-12 01:02:33
Local clock offset: -0.225 ms
Remote clock offset: -34.892 ms

# Below is generated by plot.py at 2019-02-12 01:59:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 440.41 Mbit/s
95th percentile per-packet one-way delay: 226.460 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 440.41 Mbit/s
95th percentile per-packet one-way delay: 226.460 ms
Loss rate: 0.85%
```

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

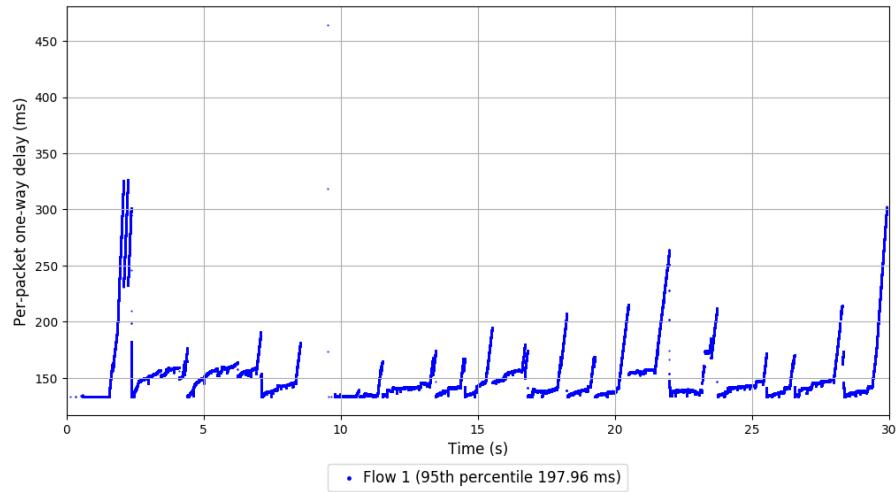
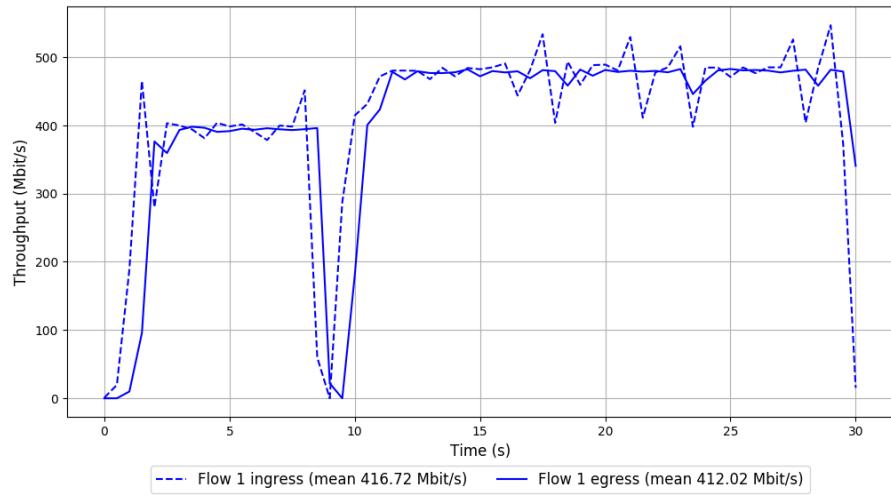


Run 5: Statistics of FillP

```
Start at: 2019-02-12 01:30:17
End at: 2019-02-12 01:30:47
Local clock offset: -1.414 ms
Remote clock offset: -44.242 ms

# Below is generated by plot.py at 2019-02-12 01:59:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 412.02 Mbit/s
95th percentile per-packet one-way delay: 197.962 ms
Loss rate: 1.89%
-- Flow 1:
Average throughput: 412.02 Mbit/s
95th percentile per-packet one-way delay: 197.962 ms
Loss rate: 1.89%
```

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

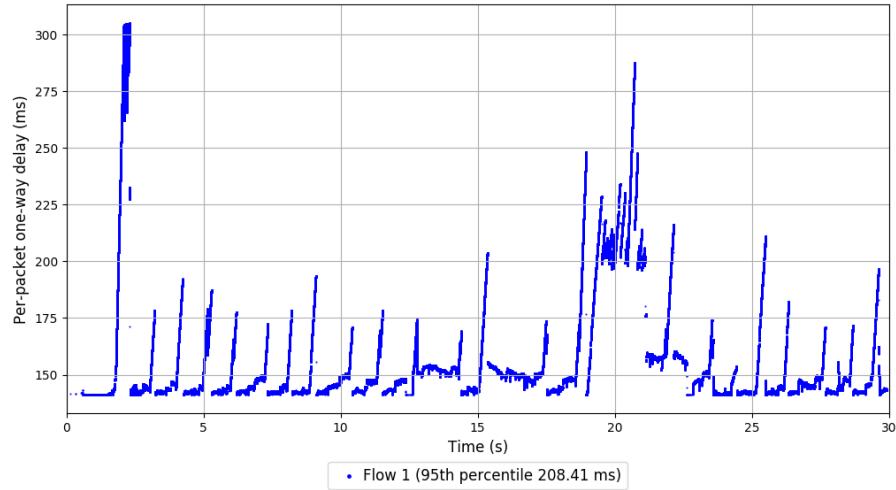
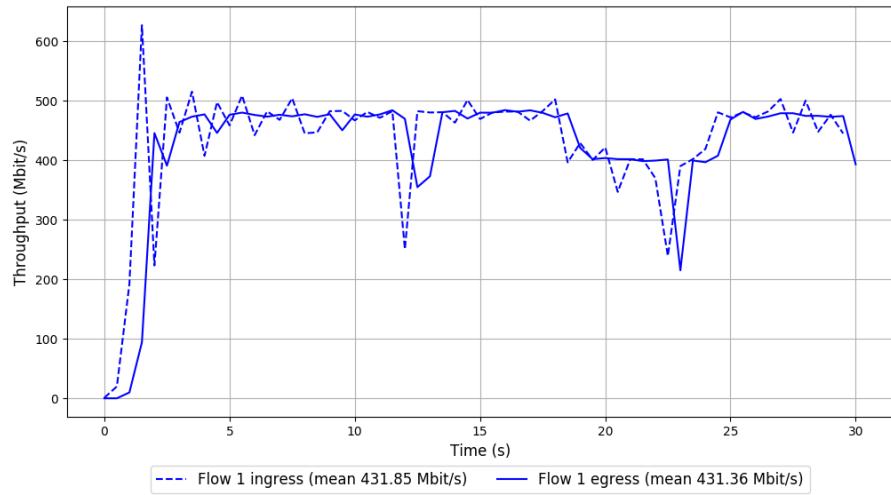


```
Run 1: Statistics of FillP-Sheep
```

```
Start at: 2019-02-11 22:58:54
End at: 2019-02-11 22:59:24
Local clock offset: 1.781 ms
Remote clock offset: -46.659 ms

# Below is generated by plot.py at 2019-02-12 01:59:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 431.36 Mbit/s
95th percentile per-packet one-way delay: 208.406 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 431.36 Mbit/s
95th percentile per-packet one-way delay: 208.406 ms
Loss rate: 0.77%
```

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

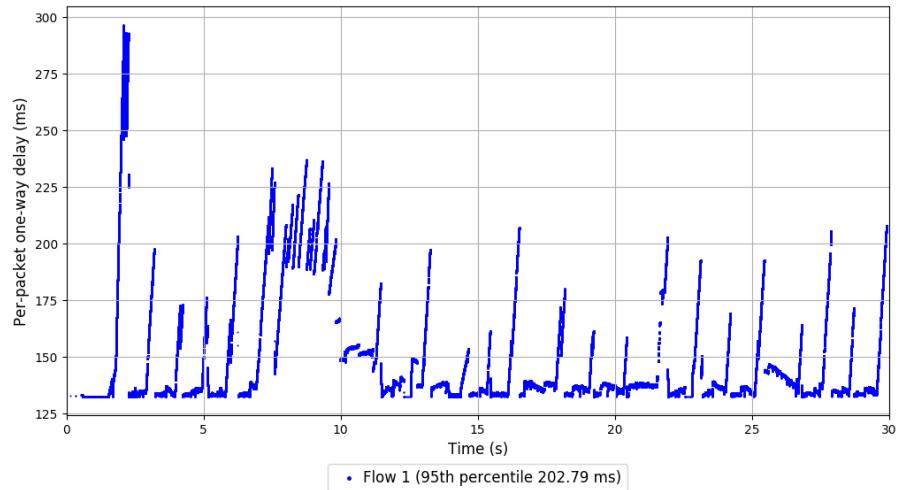
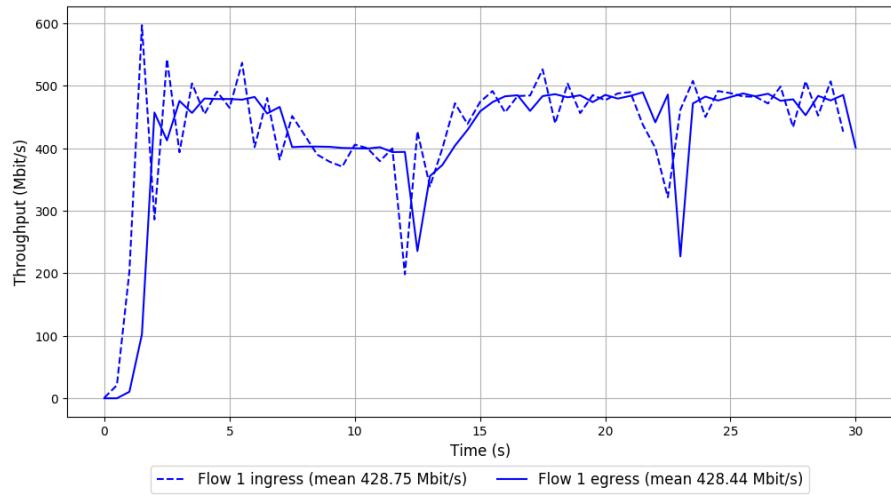


Run 2: Statistics of FillP-Sheep

```
Start at: 2019-02-11 23:38:23
End at: 2019-02-11 23:38:53
Local clock offset: -0.163 ms
Remote clock offset: -35.339 ms

# Below is generated by plot.py at 2019-02-12 02:00:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 428.44 Mbit/s
95th percentile per-packet one-way delay: 202.789 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 428.44 Mbit/s
95th percentile per-packet one-way delay: 202.789 ms
Loss rate: 0.74%
```

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

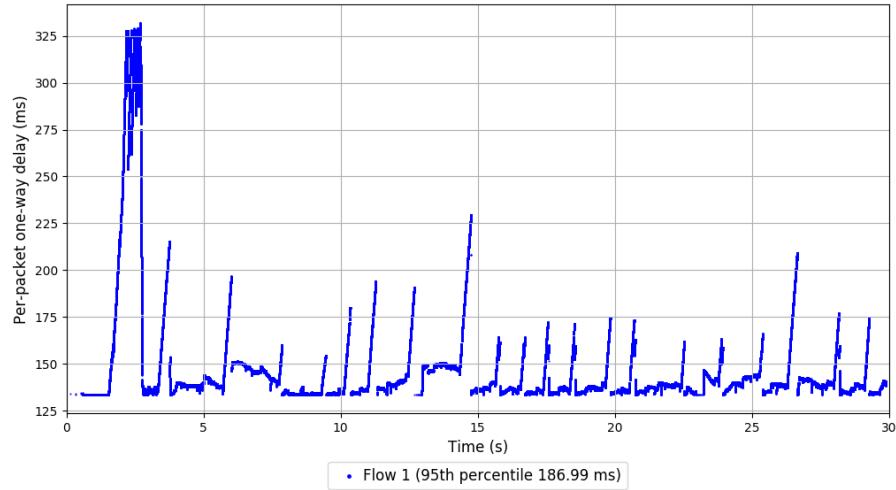
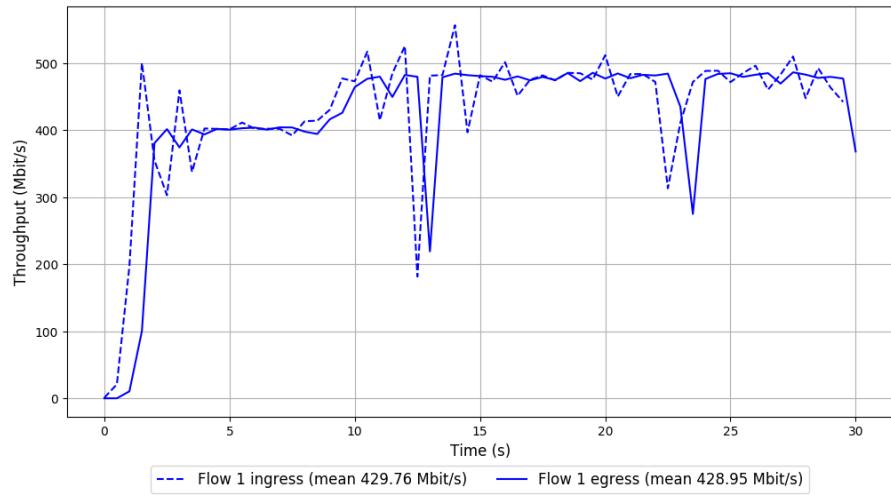


Run 3: Statistics of FillP-Sheep

```
Start at: 2019-02-12 00:17:56
End at: 2019-02-12 00:18:26
Local clock offset: -2.397 ms
Remote clock offset: -35.05 ms

# Below is generated by plot.py at 2019-02-12 02:00:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 428.95 Mbit/s
95th percentile per-packet one-way delay: 186.985 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 428.95 Mbit/s
95th percentile per-packet one-way delay: 186.985 ms
Loss rate: 0.85%
```

Run 3: Report of FillP-Sheep — Data Link

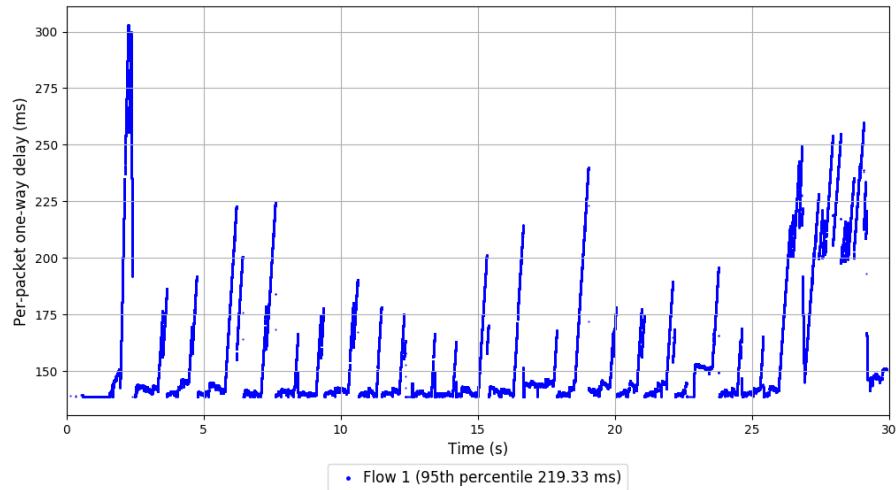
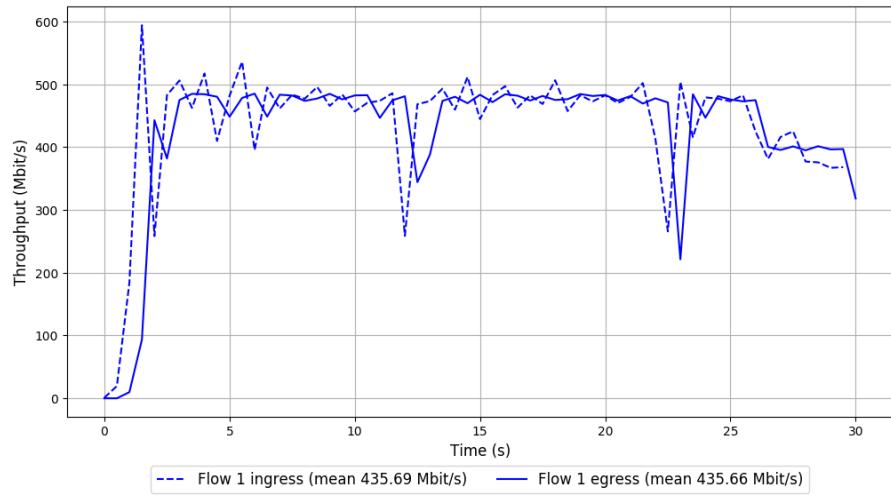


Run 4: Statistics of FillP-Sheep

```
Start at: 2019-02-12 00:57:51
End at: 2019-02-12 00:58:21
Local clock offset: -0.043 ms
Remote clock offset: -35.695 ms

# Below is generated by plot.py at 2019-02-12 02:02:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 435.66 Mbit/s
95th percentile per-packet one-way delay: 219.329 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 435.66 Mbit/s
95th percentile per-packet one-way delay: 219.329 ms
Loss rate: 0.67%
```

Run 4: Report of FillP-Sheep — Data Link

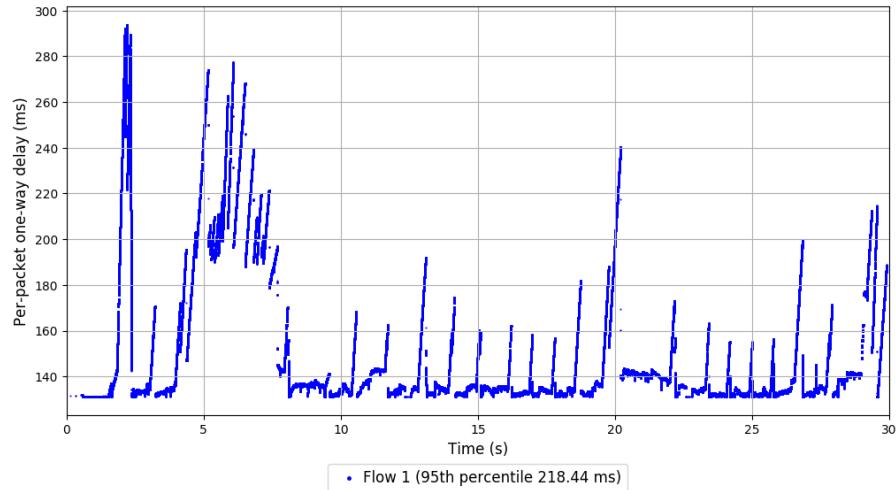
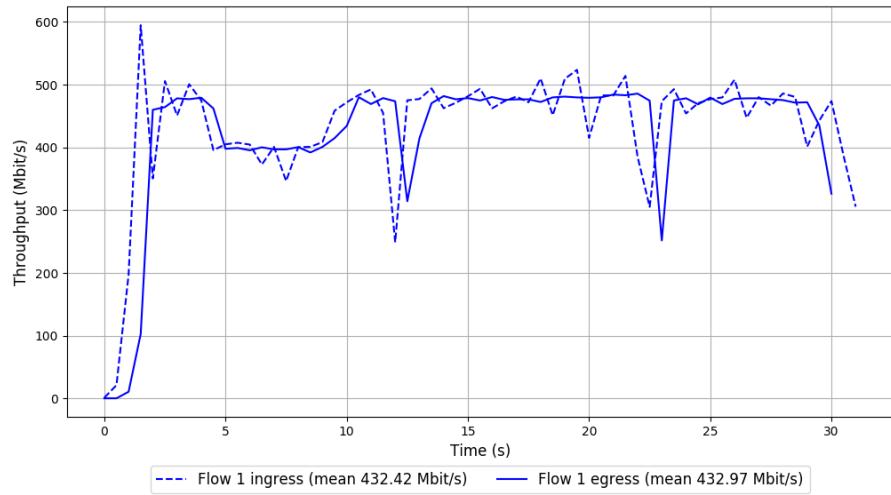


Run 5: Statistics of FillP-Sheep

```
Start at: 2019-02-12 01:26:11
End at: 2019-02-12 01:26:41
Local clock offset: -1.078 ms
Remote clock offset: -41.863 ms

# Below is generated by plot.py at 2019-02-12 02:04:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 432.97 Mbit/s
95th percentile per-packet one-way delay: 218.443 ms
Loss rate: 5.16%
-- Flow 1:
Average throughput: 432.97 Mbit/s
95th percentile per-packet one-way delay: 218.443 ms
Loss rate: 5.16%
```

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

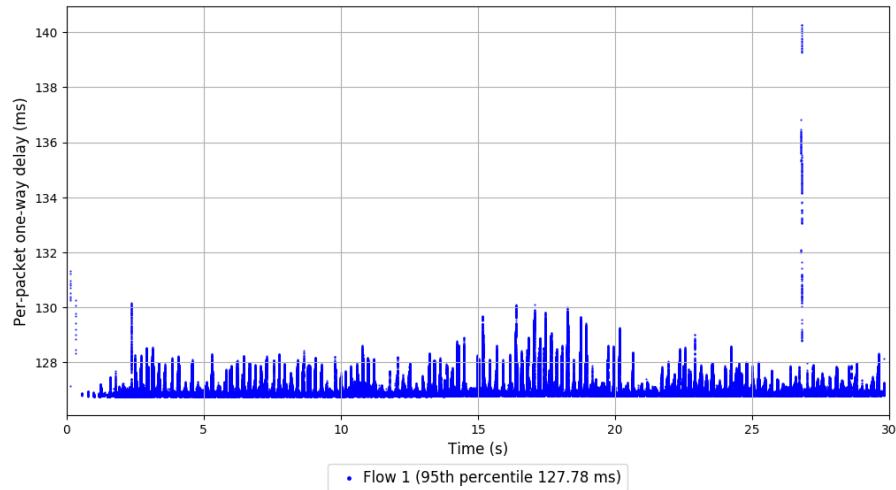
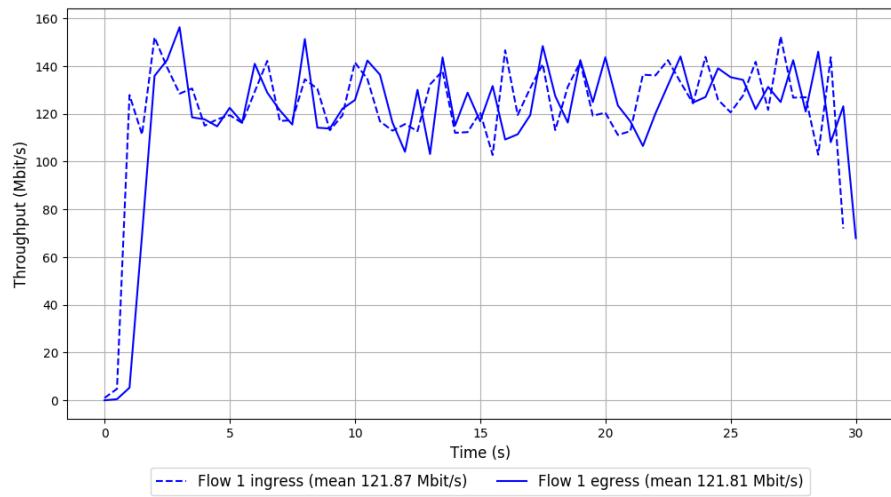


Run 1: Statistics of Indigo

```
Start at: 2019-02-11 23:09:57
End at: 2019-02-11 23:10:27
Local clock offset: 0.89 ms
Remote clock offset: -31.183 ms

# Below is generated by plot.py at 2019-02-12 02:04:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 121.81 Mbit/s
95th percentile per-packet one-way delay: 127.780 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 121.81 Mbit/s
95th percentile per-packet one-way delay: 127.780 ms
Loss rate: 0.69%
```

Run 1: Report of Indigo — Data Link

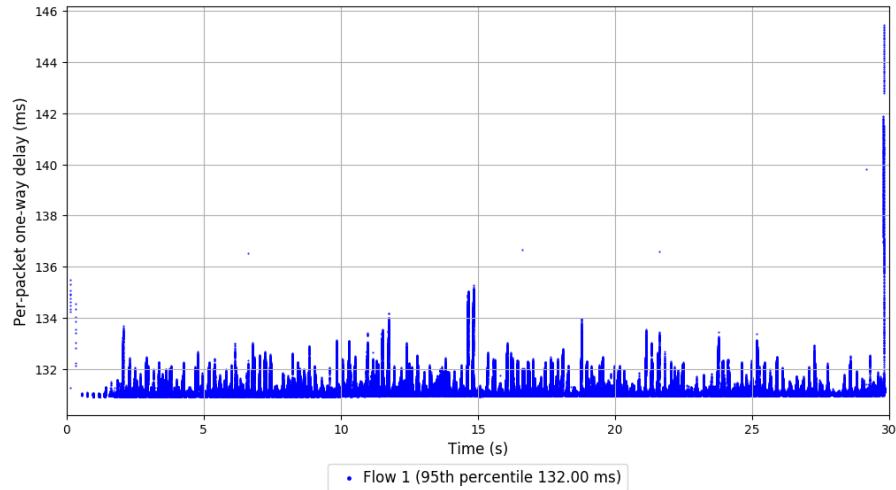
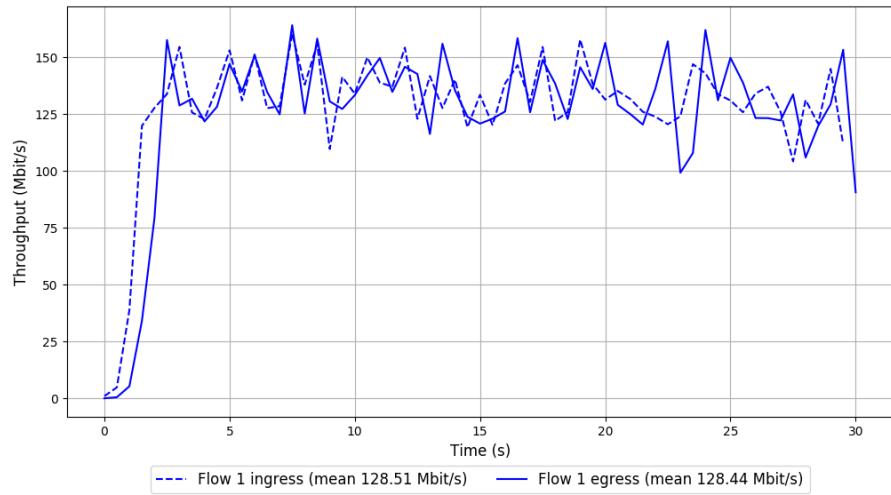


Run 2: Statistics of Indigo

```
Start at: 2019-02-11 23:55:13
End at: 2019-02-11 23:55:43
Local clock offset: -1.138 ms
Remote clock offset: -34.962 ms

# Below is generated by plot.py at 2019-02-12 02:04:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 128.44 Mbit/s
95th percentile per-packet one-way delay: 132.001 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 128.44 Mbit/s
95th percentile per-packet one-way delay: 132.001 ms
Loss rate: 0.71%
```

## Run 2: Report of Indigo — Data Link

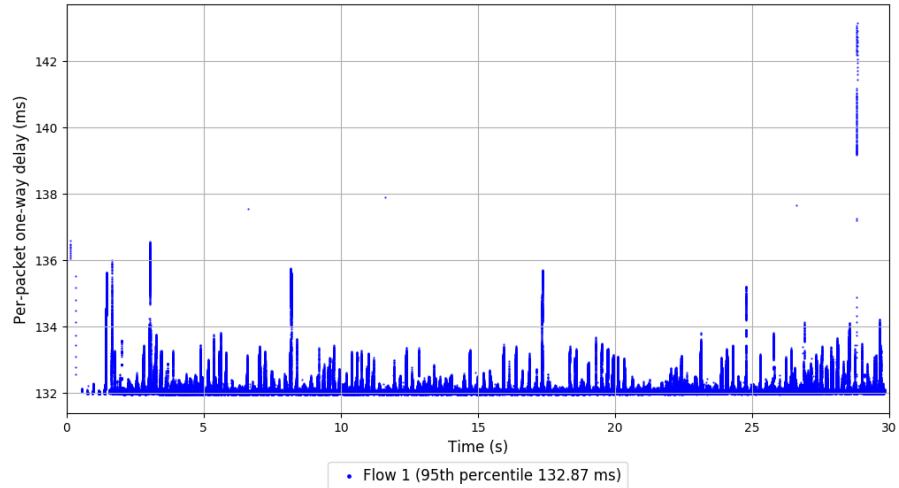
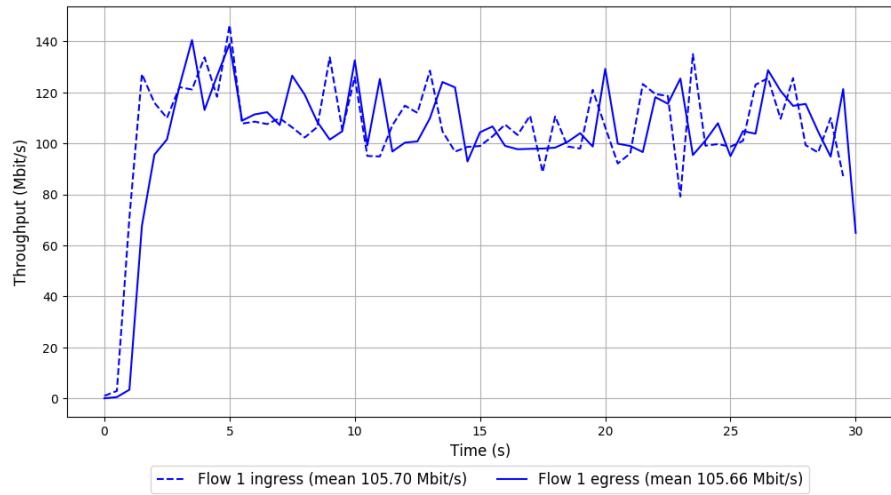


Run 3: Statistics of Indigo

```
Start at: 2019-02-12 00:35:15
End at: 2019-02-12 00:35:45
Local clock offset: 0.05 ms
Remote clock offset: -31.315 ms

# Below is generated by plot.py at 2019-02-12 02:04:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.66 Mbit/s
95th percentile per-packet one-way delay: 132.866 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 105.66 Mbit/s
95th percentile per-packet one-way delay: 132.866 ms
Loss rate: 0.70%
```

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

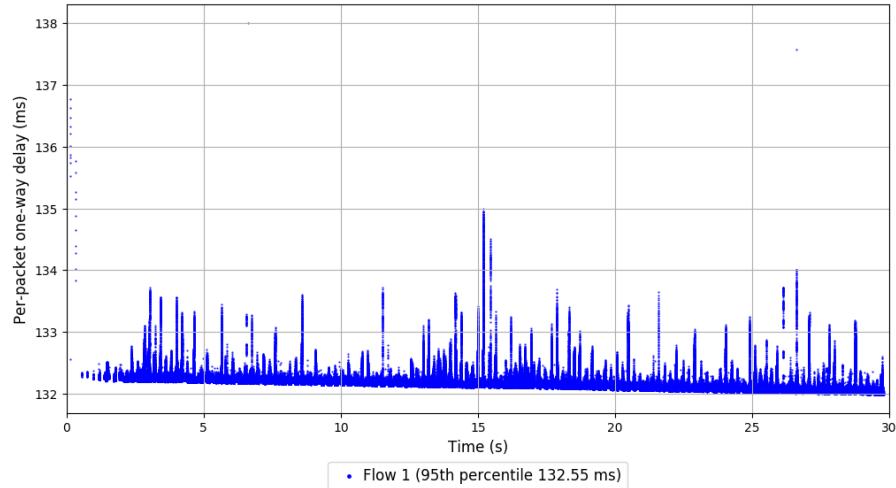
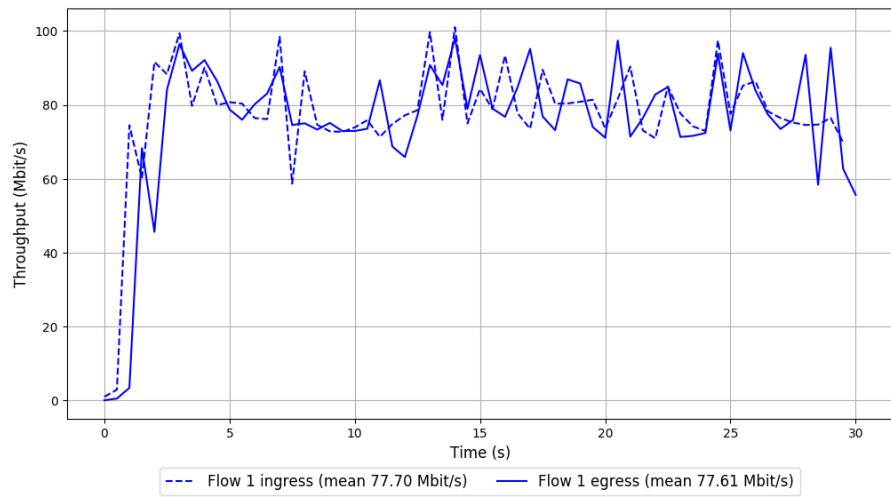


Run 4: Statistics of Indigo

```
Start at: 2019-02-12 01:09:04
End at: 2019-02-12 01:09:34
Local clock offset: 1.509 ms
Remote clock offset: -35.69 ms

# Below is generated by plot.py at 2019-02-12 02:04:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.61 Mbit/s
95th percentile per-packet one-way delay: 132.546 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 77.61 Mbit/s
95th percentile per-packet one-way delay: 132.546 ms
Loss rate: 0.79%
```

## Run 4: Report of Indigo — Data Link

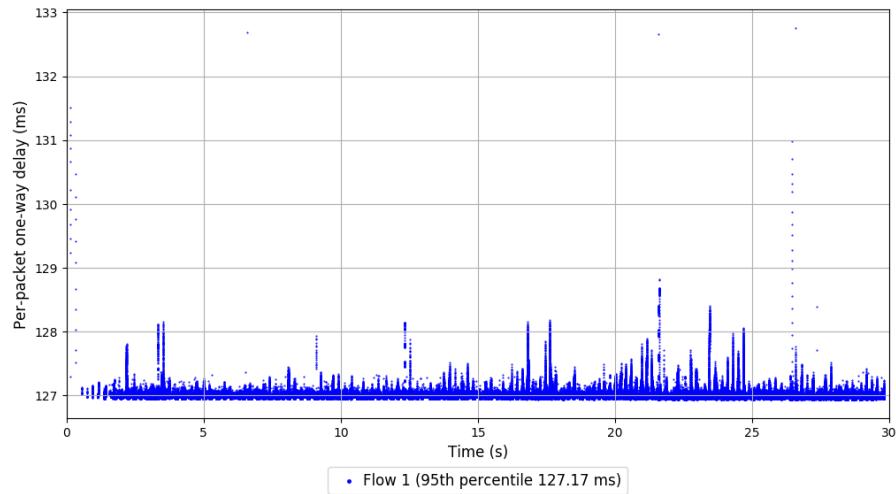
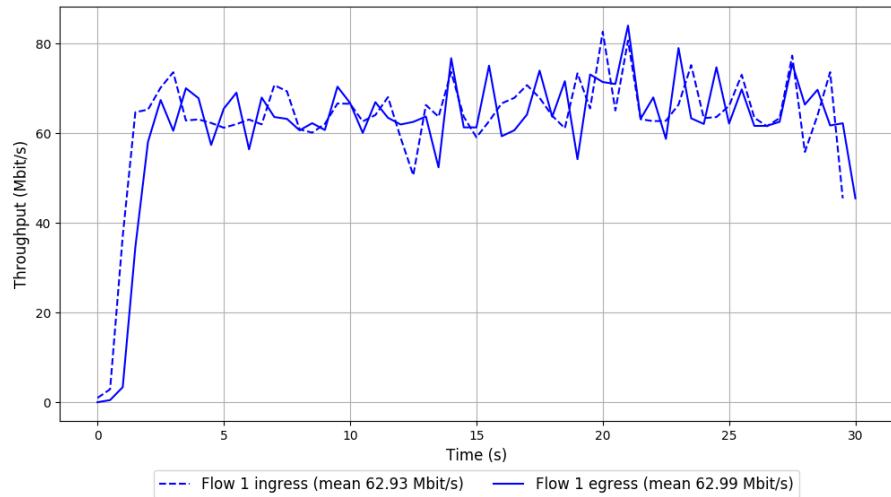


Run 5: Statistics of Indigo

```
Start at: 2019-02-12 01:42:59
End at: 2019-02-12 01:43:29
Local clock offset: 0.19 ms
Remote clock offset: -38.403 ms

# Below is generated by plot.py at 2019-02-12 02:04:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.99 Mbit/s
95th percentile per-packet one-way delay: 127.172 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 62.99 Mbit/s
95th percentile per-packet one-way delay: 127.172 ms
Loss rate: 0.55%
```

## Run 5: Report of Indigo — Data Link

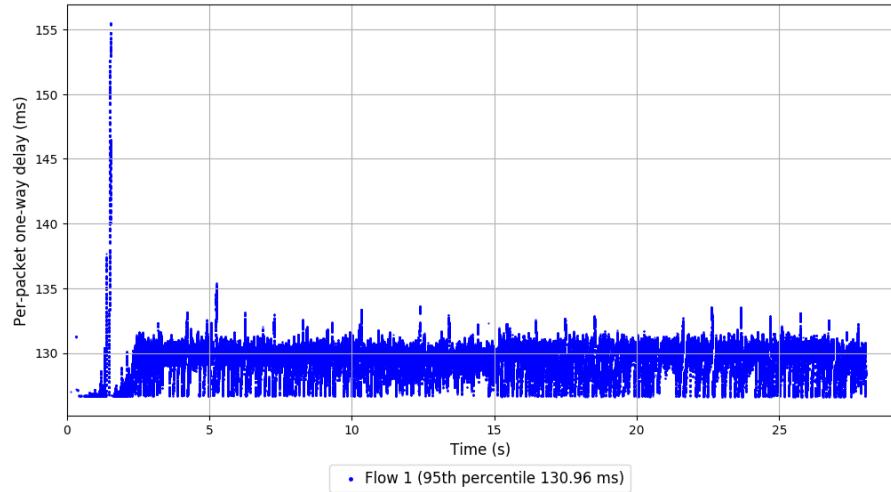
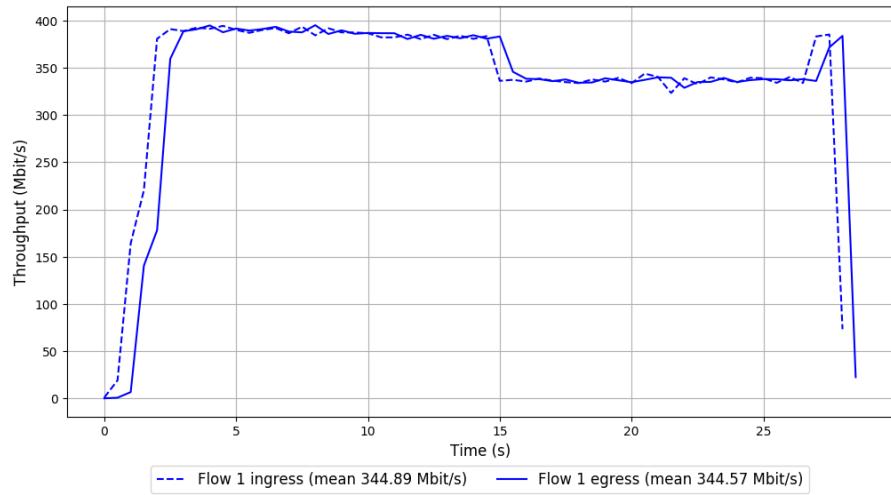


Run 1: Statistics of Indigo-MusesC3

```
Start at: 2019-02-11 22:34:17
End at: 2019-02-11 22:34:47
Local clock offset: -1.717 ms
Remote clock offset: -31.913 ms

# Below is generated by plot.py at 2019-02-12 02:04:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 344.57 Mbit/s
95th percentile per-packet one-way delay: 130.957 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 344.57 Mbit/s
95th percentile per-packet one-way delay: 130.957 ms
Loss rate: 0.78%
```

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

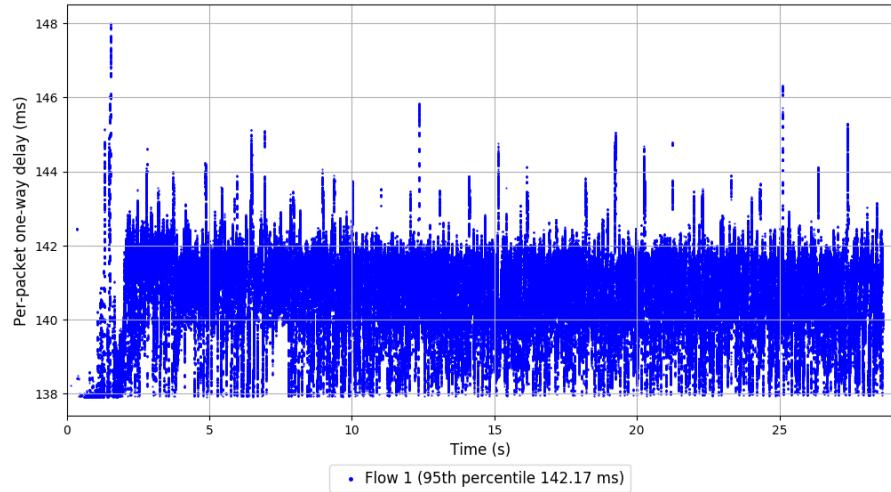
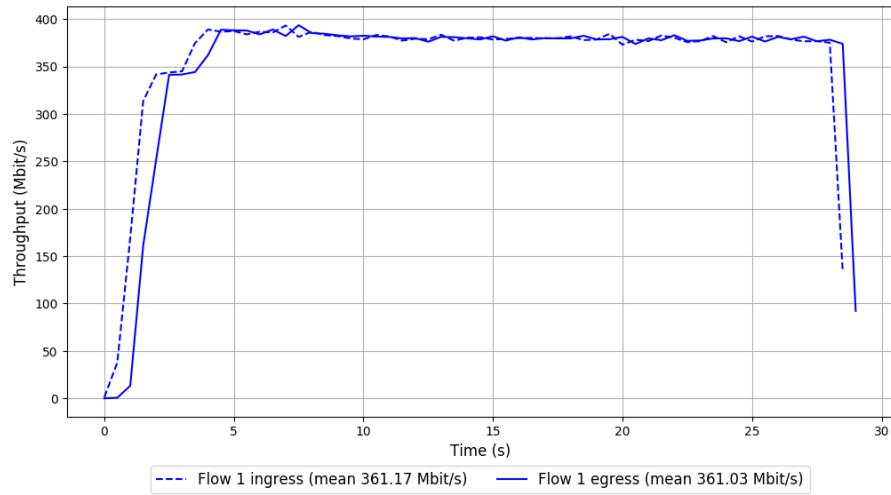


Run 2: Statistics of Indigo-MusesC3

```
Start at: 2019-02-11 23:19:23
End at: 2019-02-11 23:19:53
Local clock offset: -1.472 ms
Remote clock offset: -45.27 ms

# Below is generated by plot.py at 2019-02-12 02:04:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 361.03 Mbit/s
95th percentile per-packet one-way delay: 142.170 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 361.03 Mbit/s
95th percentile per-packet one-way delay: 142.170 ms
Loss rate: 0.72%
```

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

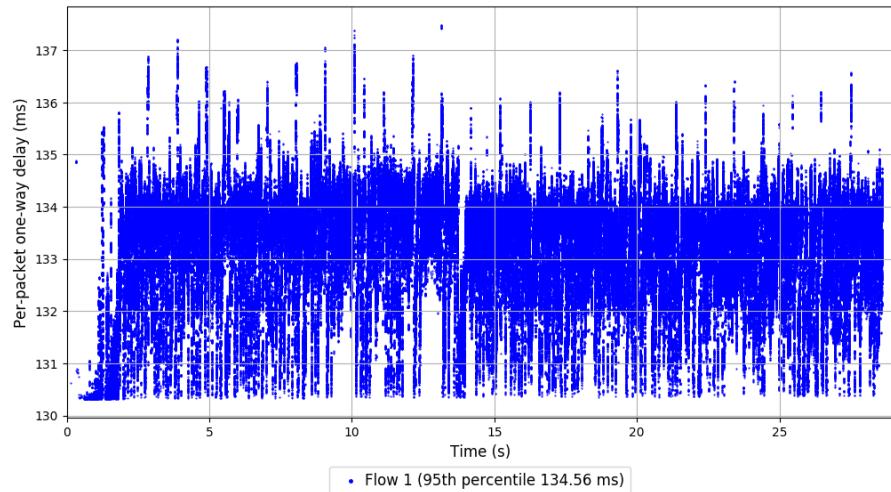
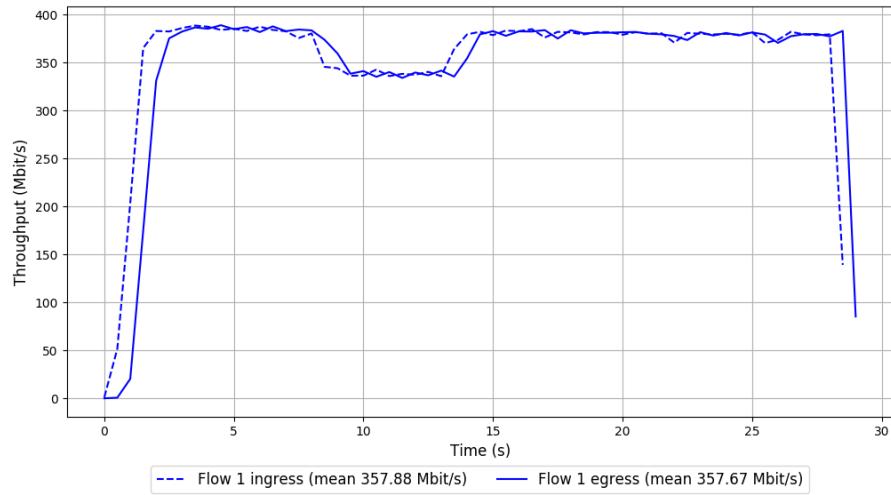


Run 3: Statistics of Indigo-MusesC3

```
Start at: 2019-02-11 23:59:14
End at: 2019-02-11 23:59:44
Local clock offset: -0.172 ms
Remote clock offset: -31.869 ms

# Below is generated by plot.py at 2019-02-12 02:04:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 357.67 Mbit/s
95th percentile per-packet one-way delay: 134.557 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 357.67 Mbit/s
95th percentile per-packet one-way delay: 134.557 ms
Loss rate: 0.74%
```

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

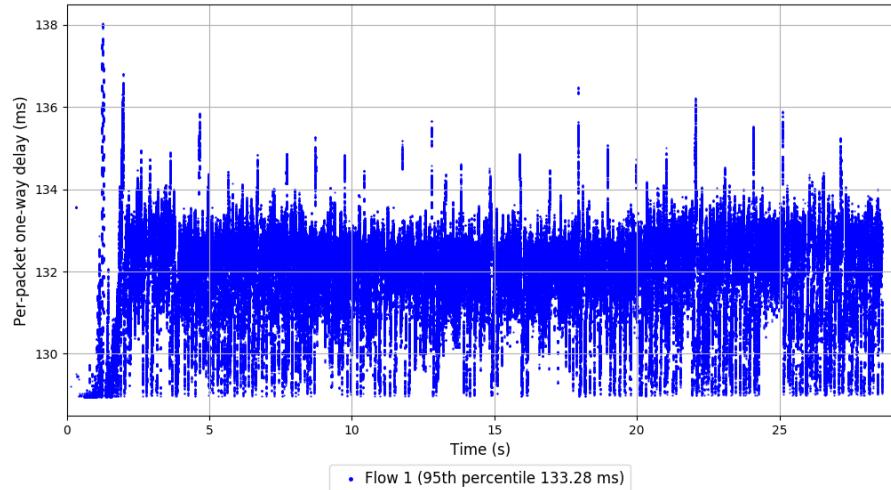
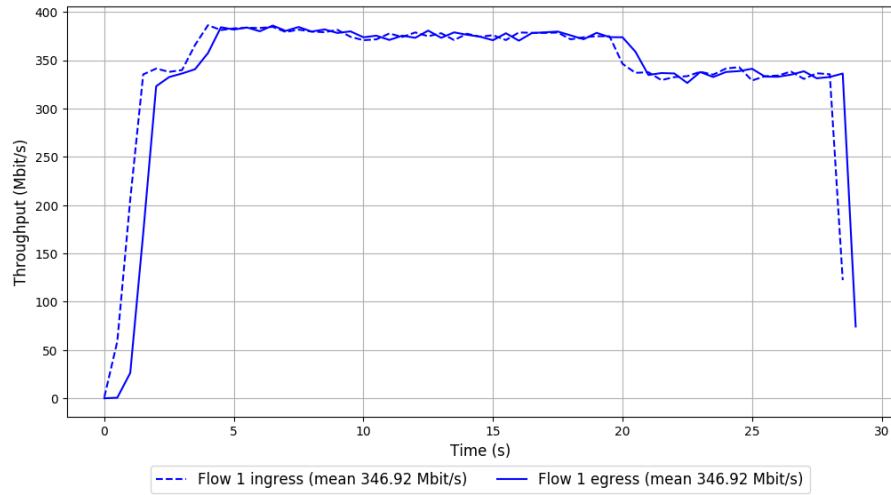


Run 4: Statistics of Indigo-MusesC3

```
Start at: 2019-02-12 00:39:08
End at: 2019-02-12 00:39:38
Local clock offset: -0.165 ms
Remote clock offset: -27.137 ms

# Below is generated by plot.py at 2019-02-12 02:04:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 346.92 Mbit/s
95th percentile per-packet one-way delay: 133.278 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 346.92 Mbit/s
95th percentile per-packet one-way delay: 133.278 ms
Loss rate: 0.69%
```

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

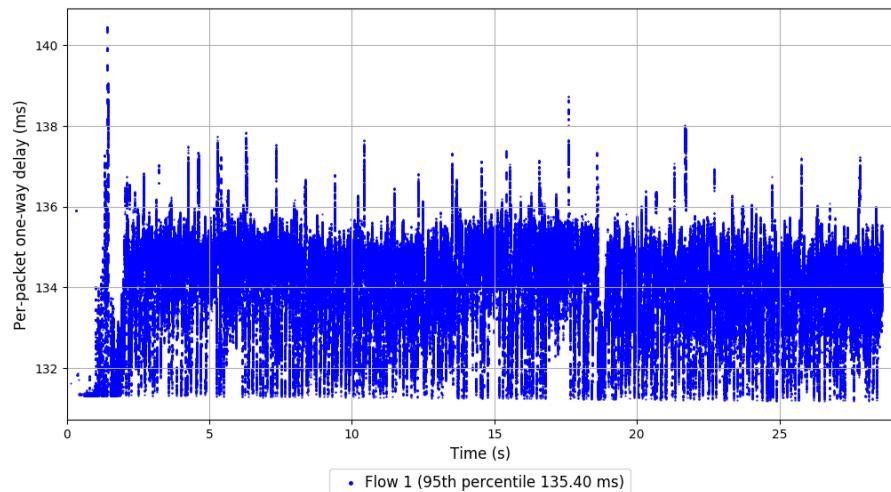
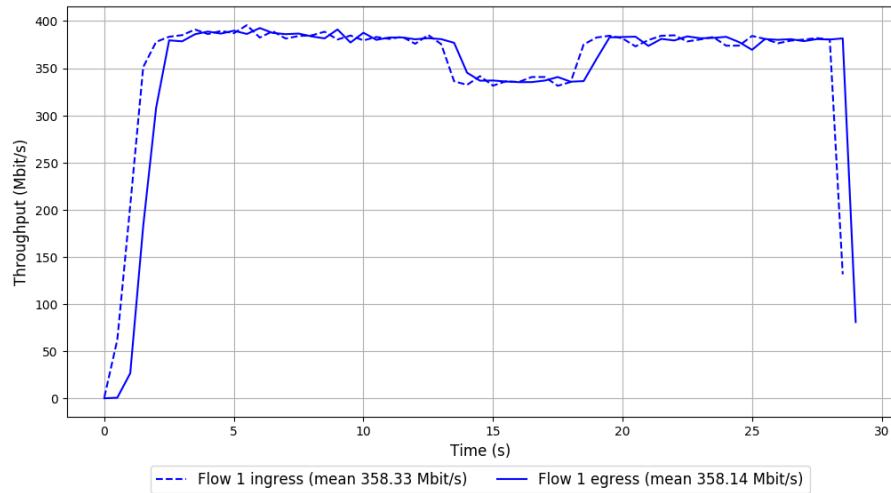


Run 5: Statistics of Indigo-MusesC3

```
Start at: 2019-02-12 01:12:57
End at: 2019-02-12 01:13:27
Local clock offset: -2.739 ms
Remote clock offset: -40.069 ms

# Below is generated by plot.py at 2019-02-12 02:04:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 358.14 Mbit/s
95th percentile per-packet one-way delay: 135.400 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 358.14 Mbit/s
95th percentile per-packet one-way delay: 135.400 ms
Loss rate: 0.74%
```

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

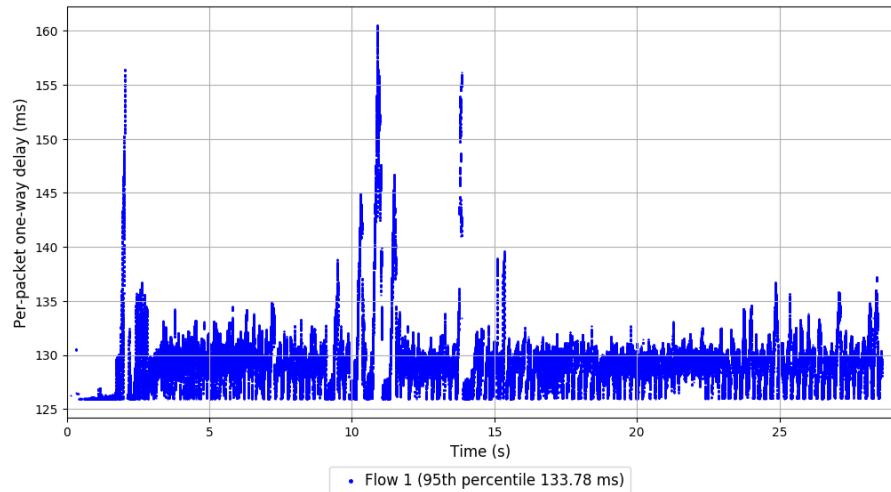
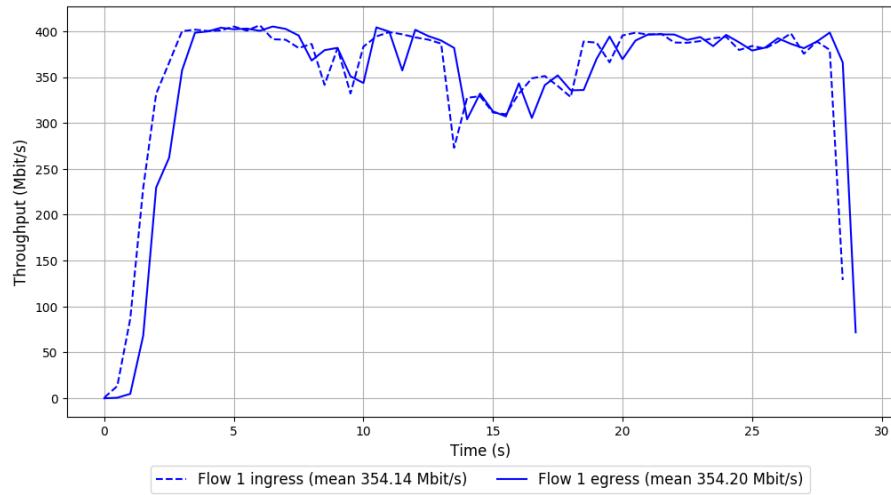


Run 1: Statistics of Indigo-MusesC5

```
Start at: 2019-02-11 23:08:31
End at: 2019-02-11 23:09:01
Local clock offset: 0.079 ms
Remote clock offset: -30.773 ms

# Below is generated by plot.py at 2019-02-12 02:04:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 354.20 Mbit/s
95th percentile per-packet one-way delay: 133.782 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 354.20 Mbit/s
95th percentile per-packet one-way delay: 133.782 ms
Loss rate: 0.79%
```

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

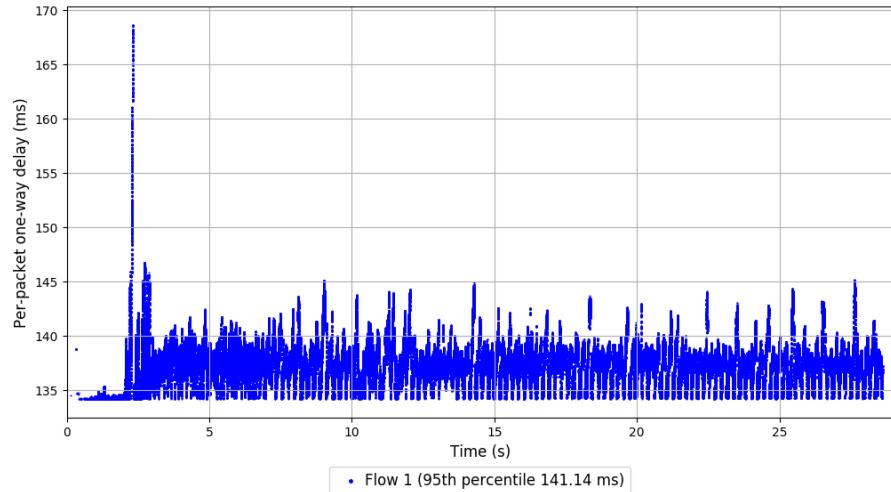
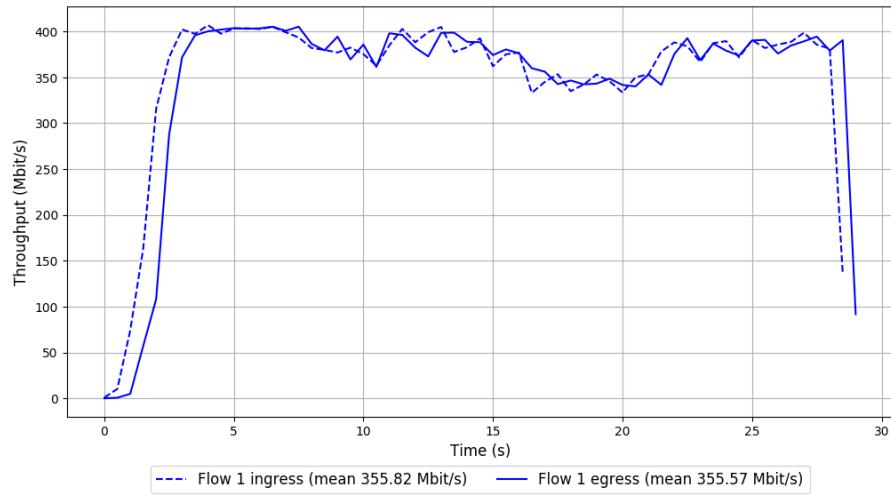


Run 2: Statistics of Indigo-MusesC5

```
Start at: 2019-02-11 23:53:48
End at: 2019-02-11 23:54:18
Local clock offset: -0.886 ms
Remote clock offset: -36.914 ms

# Below is generated by plot.py at 2019-02-12 02:06:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 355.57 Mbit/s
95th percentile per-packet one-way delay: 141.139 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 355.57 Mbit/s
95th percentile per-packet one-way delay: 141.139 ms
Loss rate: 0.74%
```

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

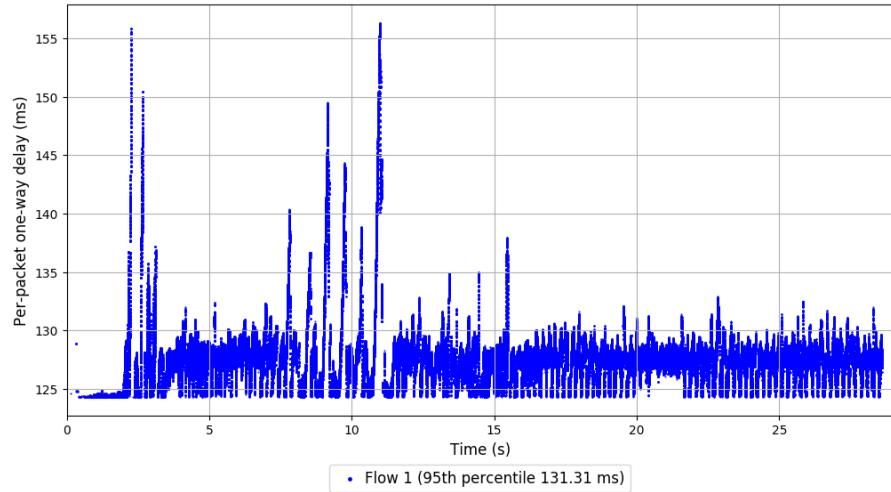
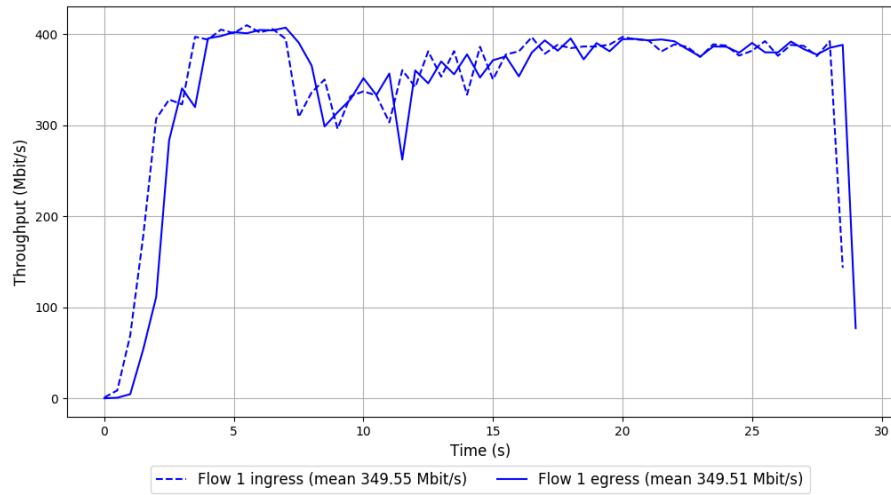


Run 3: Statistics of Indigo-MusesC5

```
Start at: 2019-02-12 00:33:49
End at: 2019-02-12 00:34:19
Local clock offset: -1.603 ms
Remote clock offset: -25.337 ms

# Below is generated by plot.py at 2019-02-12 02:07:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 349.51 Mbit/s
95th percentile per-packet one-way delay: 131.307 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 349.51 Mbit/s
95th percentile per-packet one-way delay: 131.307 ms
Loss rate: 0.82%
```

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

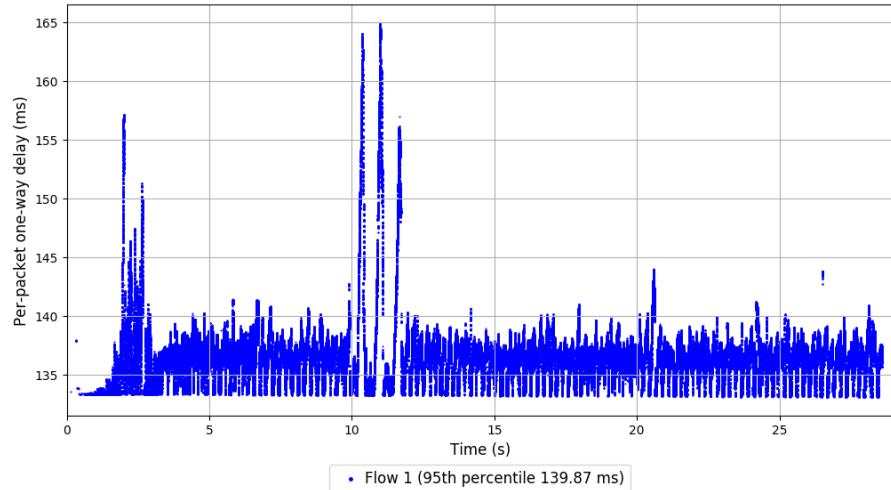
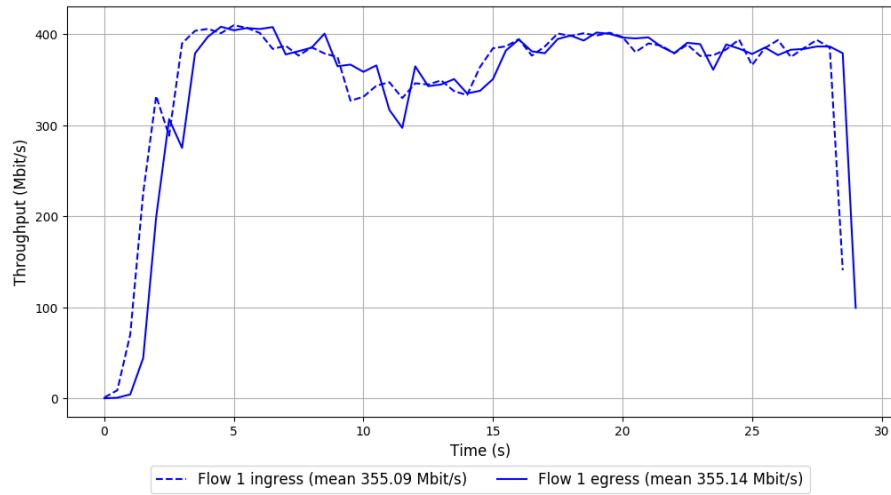


Run 4: Statistics of Indigo-MusesC5

```
Start at: 2019-02-12 01:07:38
End at: 2019-02-12 01:08:08
Local clock offset: 0.741 ms
Remote clock offset: -37.995 ms

# Below is generated by plot.py at 2019-02-12 02:07:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 355.14 Mbit/s
95th percentile per-packet one-way delay: 139.865 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 355.14 Mbit/s
95th percentile per-packet one-way delay: 139.865 ms
Loss rate: 0.78%
```

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

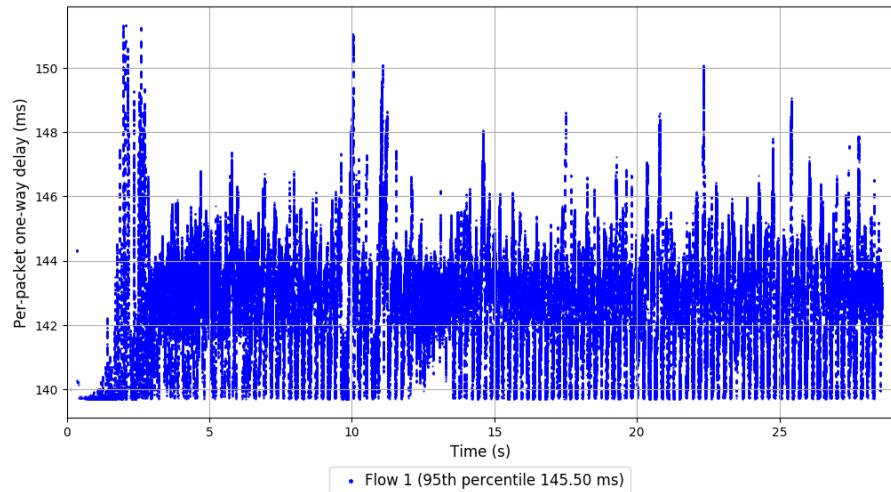
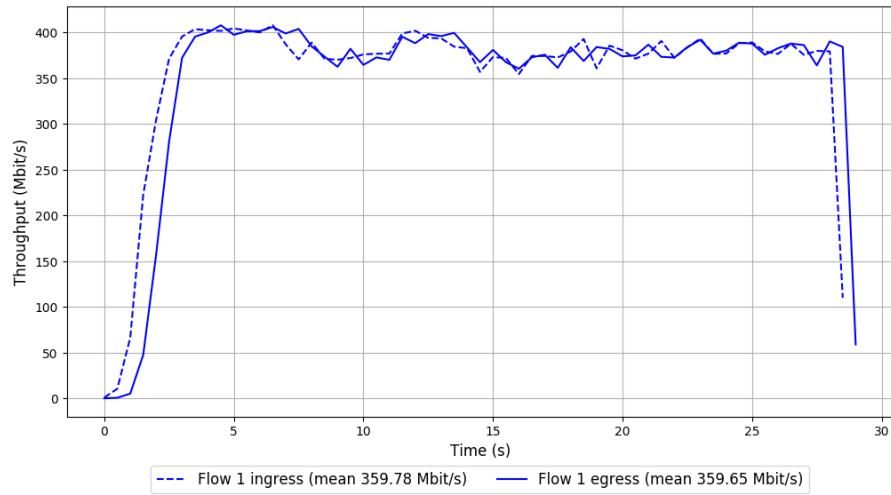


Run 5: Statistics of Indigo-MusesC5

```
Start at: 2019-02-12 01:41:33
End at: 2019-02-12 01:42:03
Local clock offset: 0.155 ms
Remote clock offset: -49.434 ms

# Below is generated by plot.py at 2019-02-12 02:07:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 359.65 Mbit/s
95th percentile per-packet one-way delay: 145.495 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 359.65 Mbit/s
95th percentile per-packet one-way delay: 145.495 ms
Loss rate: 0.73%
```

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

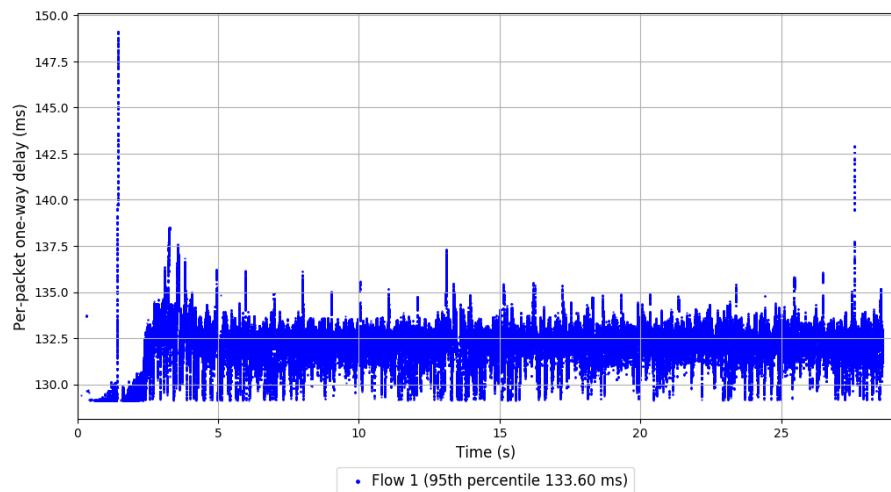
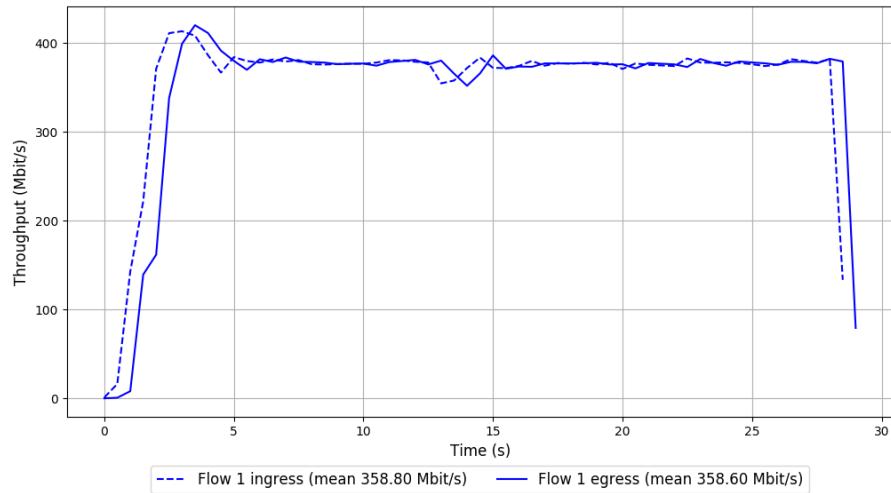


```
Run 1: Statistics of Indigo-MusesD

Start at: 2019-02-11 23:01:32
End at: 2019-02-11 23:02:02
Local clock offset: -1.129 ms
Remote clock offset: -35.639 ms

# Below is generated by plot.py at 2019-02-12 02:07:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 358.60 Mbit/s
95th percentile per-packet one-way delay: 133.601 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 358.60 Mbit/s
95th percentile per-packet one-way delay: 133.601 ms
Loss rate: 0.75%
```

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

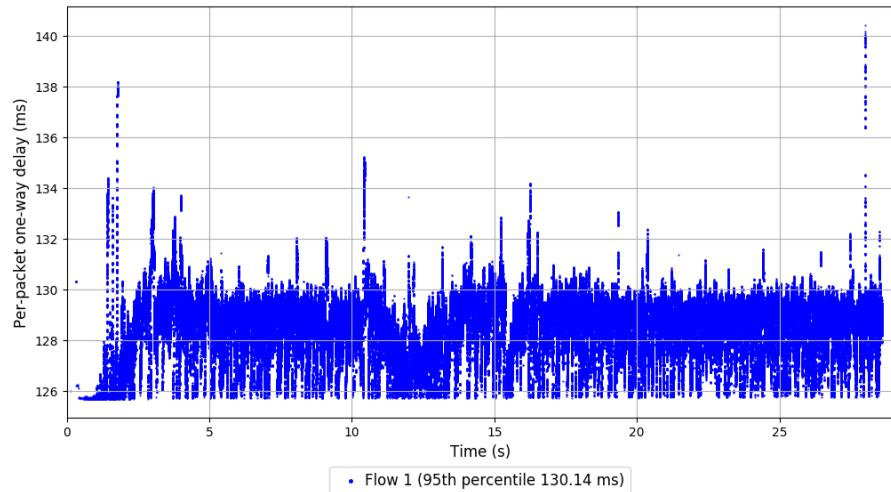
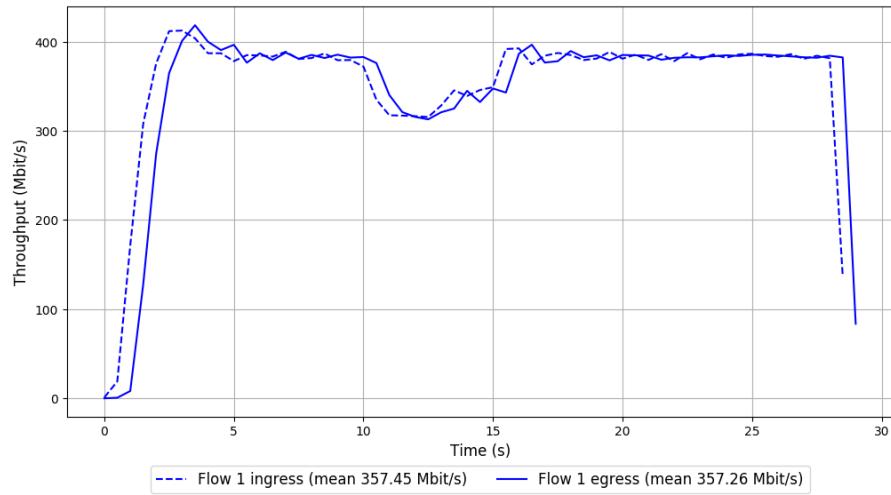


Run 2: Statistics of Indigo-MusesD

```
Start at: 2019-02-11 23:41:01
End at: 2019-02-11 23:41:31
Local clock offset: -0.493 ms
Remote clock offset: -29.133 ms

# Below is generated by plot.py at 2019-02-12 02:07:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 357.26 Mbit/s
95th percentile per-packet one-way delay: 130.137 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 357.26 Mbit/s
95th percentile per-packet one-way delay: 130.137 ms
Loss rate: 0.74%
```

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

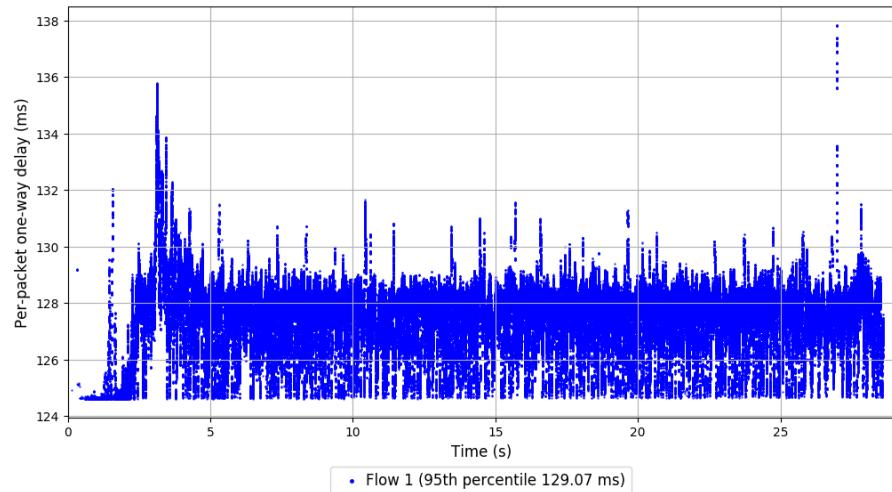
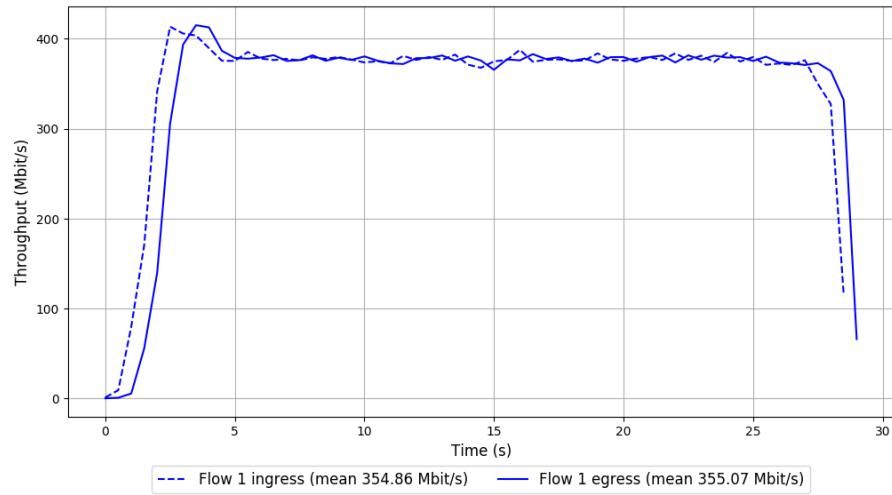


Run 3: Statistics of Indigo-MusesD

```
Start at: 2019-02-12 00:20:44
End at: 2019-02-12 00:21:14
Local clock offset: -3.375 ms
Remote clock offset: -27.19 ms

# Below is generated by plot.py at 2019-02-12 02:08:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 355.07 Mbit/s
95th percentile per-packet one-way delay: 129.067 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 355.07 Mbit/s
95th percentile per-packet one-way delay: 129.067 ms
Loss rate: 0.63%
```

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

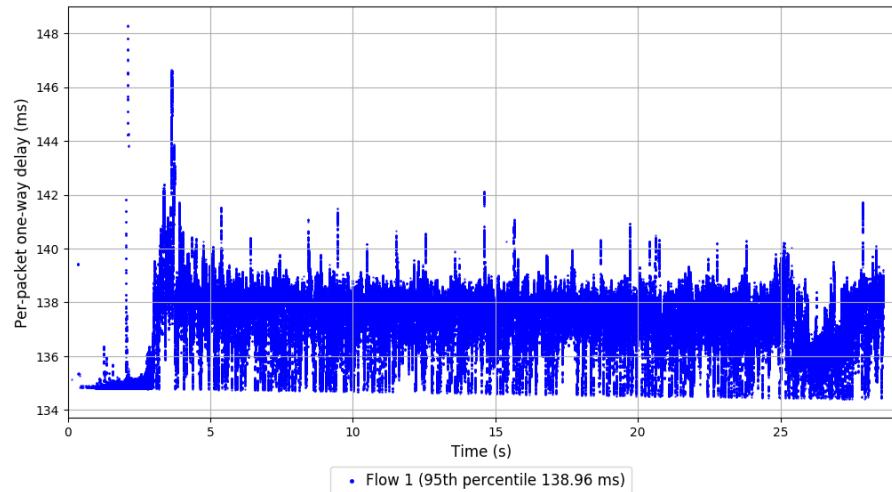
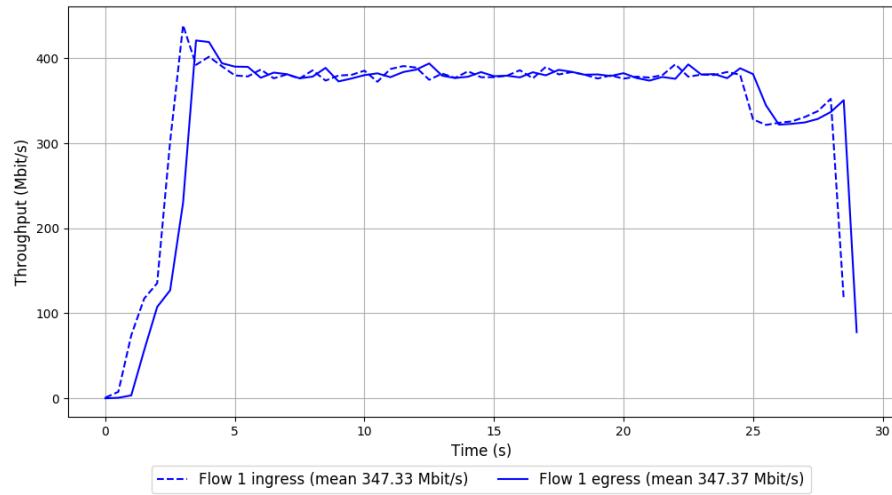


Run 4: Statistics of Indigo-MusesD

```
Start at: 2019-02-12 01:00:38
End at: 2019-02-12 01:01:08
Local clock offset: -0.621 ms
Remote clock offset: -34.358 ms

# Below is generated by plot.py at 2019-02-12 02:08:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 347.37 Mbit/s
95th percentile per-packet one-way delay: 138.958 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 347.37 Mbit/s
95th percentile per-packet one-way delay: 138.958 ms
Loss rate: 0.67%
```

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

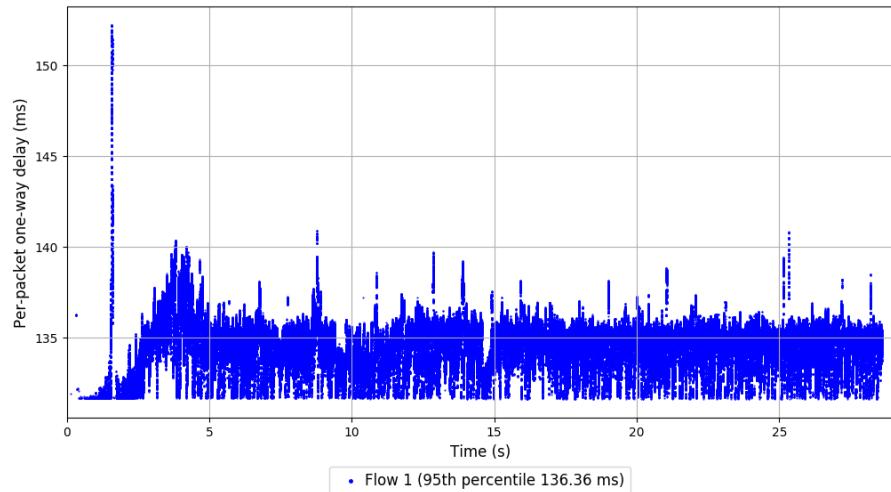
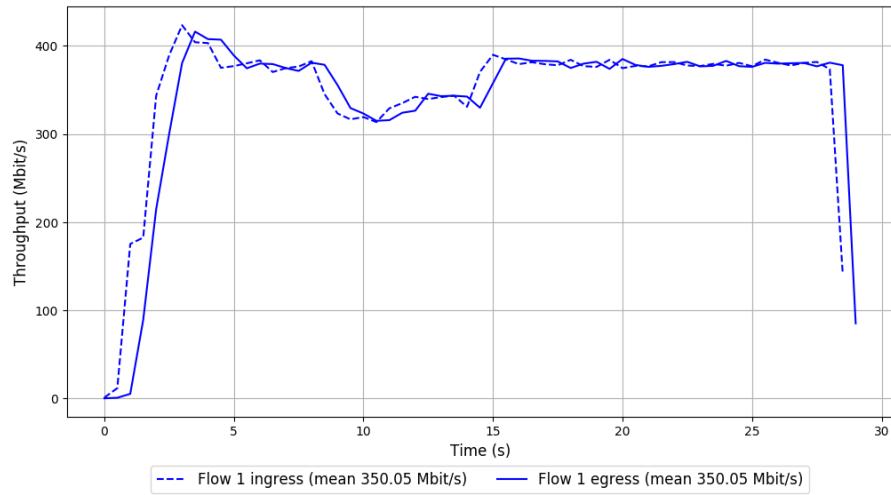


Run 5: Statistics of Indigo-MusesD

```
Start at: 2019-02-12 01:28:51
End at: 2019-02-12 01:29:21
Local clock offset: 0.672 ms
Remote clock offset: -40.284 ms

# Below is generated by plot.py at 2019-02-12 02:10:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 350.05 Mbit/s
95th percentile per-packet one-way delay: 136.360 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 350.05 Mbit/s
95th percentile per-packet one-way delay: 136.360 ms
Loss rate: 0.79%
```

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

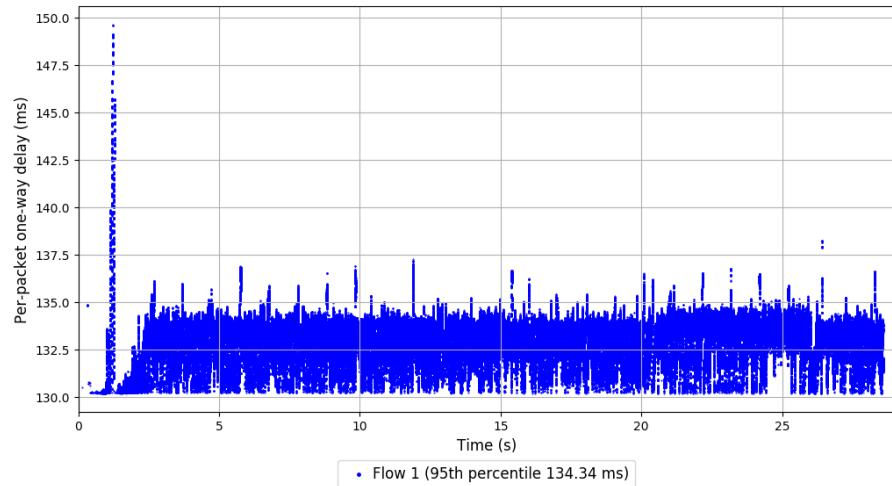
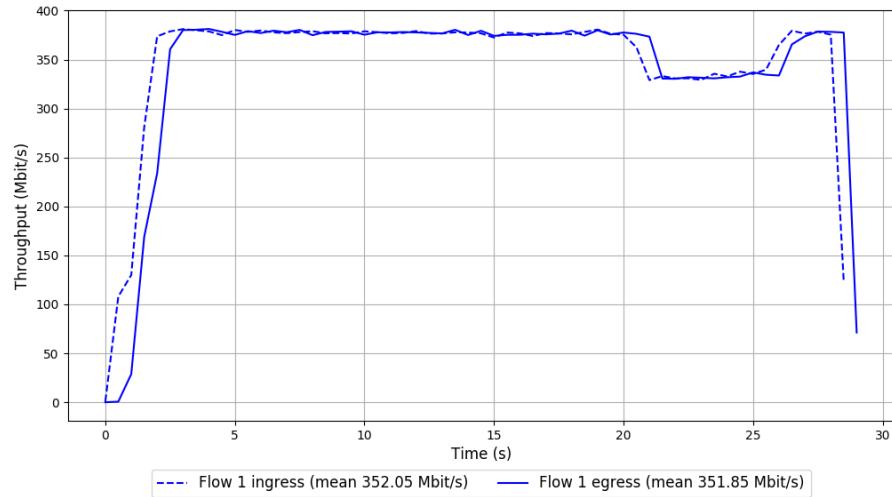


Run 1: Statistics of Indigo-MusesT

```
Start at: 2019-02-11 22:38:16
End at: 2019-02-11 22:38:46
Local clock offset: -3.698 ms
Remote clock offset: -36.304 ms

# Below is generated by plot.py at 2019-02-12 02:10:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 351.85 Mbit/s
95th percentile per-packet one-way delay: 134.336 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 351.85 Mbit/s
95th percentile per-packet one-way delay: 134.336 ms
Loss rate: 0.75%
```

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

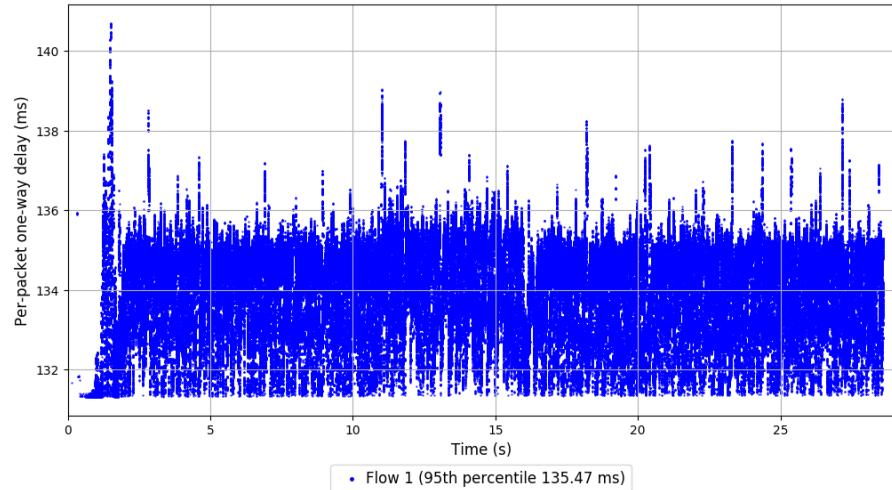
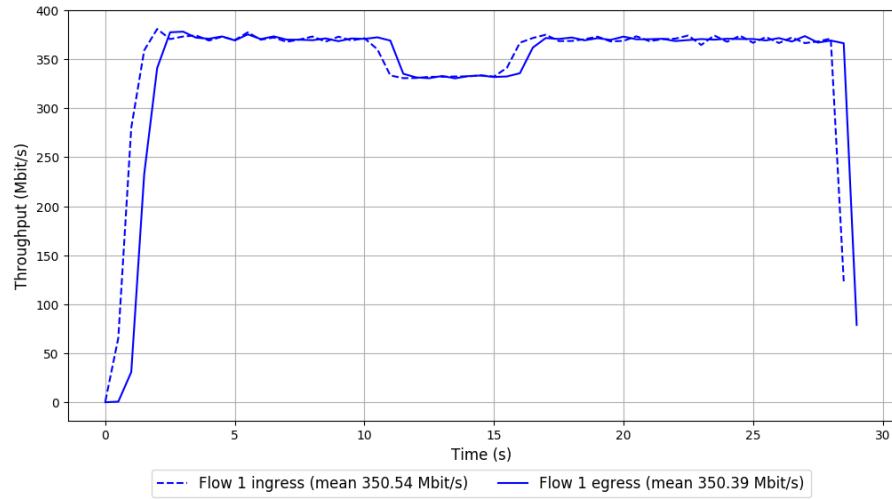


Run 2: Statistics of Indigo-MusesT

```
Start at: 2019-02-11 23:28:58
End at: 2019-02-11 23:29:28
Local clock offset: 1.022 ms
Remote clock offset: -33.89 ms

# Below is generated by plot.py at 2019-02-12 02:10:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 350.39 Mbit/s
95th percentile per-packet one-way delay: 135.467 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 350.39 Mbit/s
95th percentile per-packet one-way delay: 135.467 ms
Loss rate: 0.72%
```

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

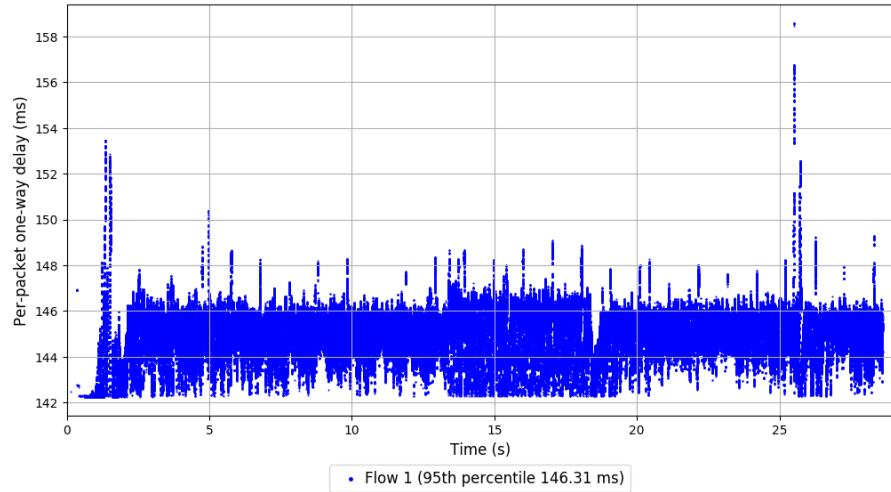
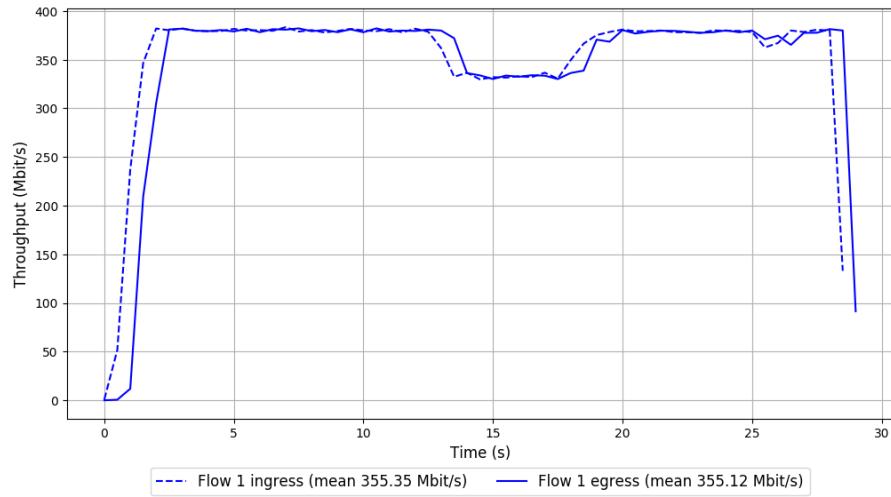


Run 3: Statistics of Indigo-MusesT

```
Start at: 2019-02-12 00:03:14
End at: 2019-02-12 00:03:44
Local clock offset: 1.452 ms
Remote clock offset: -41.304 ms

# Below is generated by plot.py at 2019-02-12 02:11:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 355.12 Mbit/s
95th percentile per-packet one-way delay: 146.315 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 355.12 Mbit/s
95th percentile per-packet one-way delay: 146.315 ms
Loss rate: 0.75%
```

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

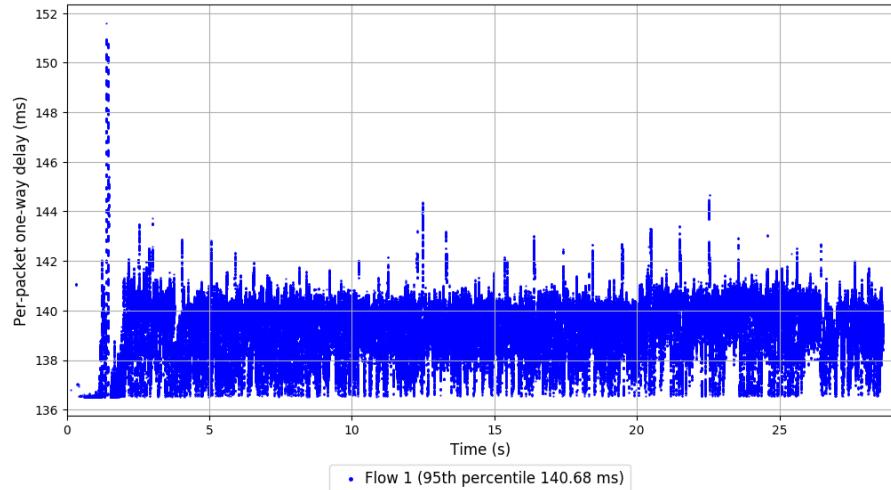
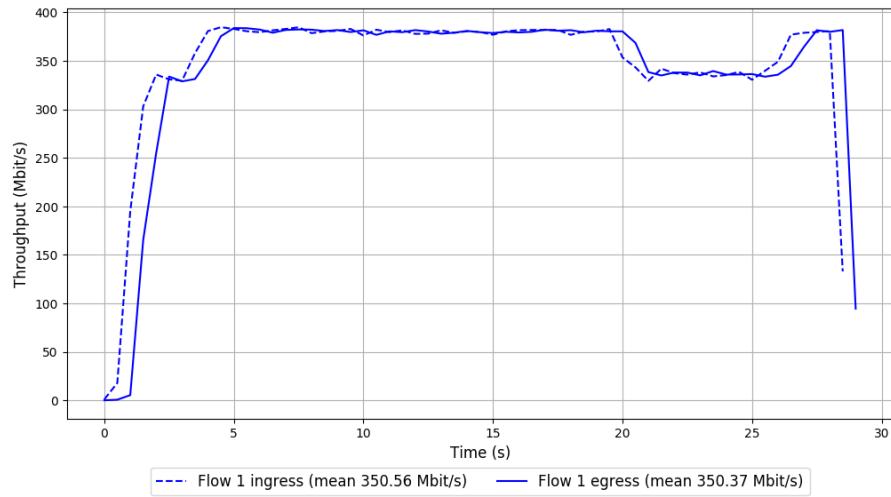


Run 4: Statistics of Indigo-MusesT

```
Start at: 2019-02-12 00:43:07
End at: 2019-02-12 00:43:37
Local clock offset: -0.224 ms
Remote clock offset: -35.757 ms

# Below is generated by plot.py at 2019-02-12 02:11:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 350.37 Mbit/s
95th percentile per-packet one-way delay: 140.678 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 350.37 Mbit/s
95th percentile per-packet one-way delay: 140.678 ms
Loss rate: 0.72%
```

Run 4: Report of Indigo-MusesT — Data Link

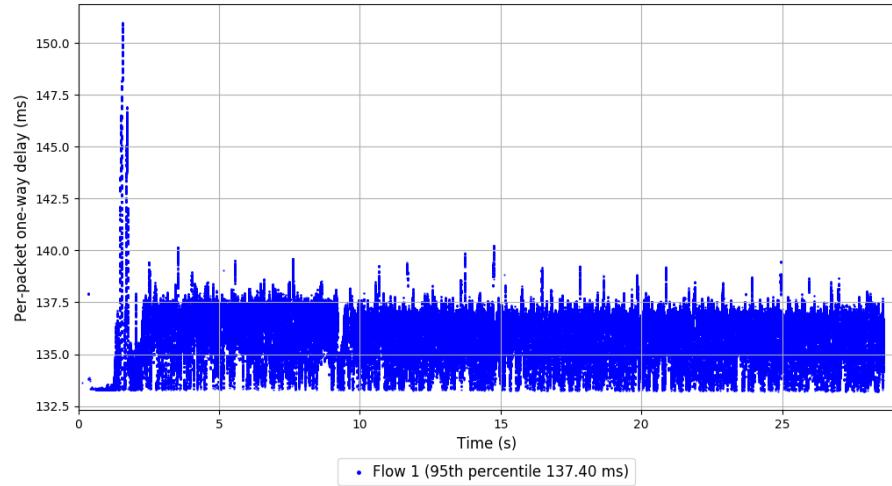
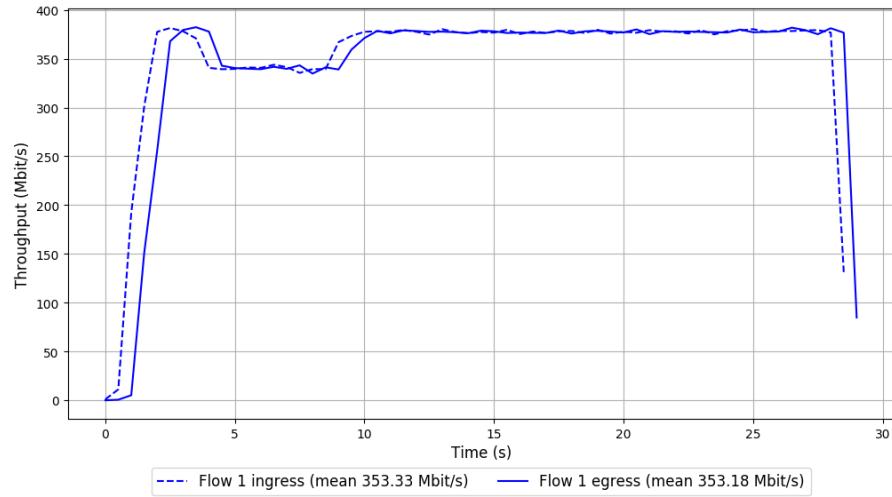


Run 5: Statistics of Indigo-MusesT

```
Start at: 2019-02-12 01:16:57
End at: 2019-02-12 01:17:27
Local clock offset: -2.289 ms
Remote clock offset: -42.736 ms

# Below is generated by plot.py at 2019-02-12 02:11:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 353.18 Mbit/s
95th percentile per-packet one-way delay: 137.399 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 353.18 Mbit/s
95th percentile per-packet one-way delay: 137.399 ms
Loss rate: 0.74%
```

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

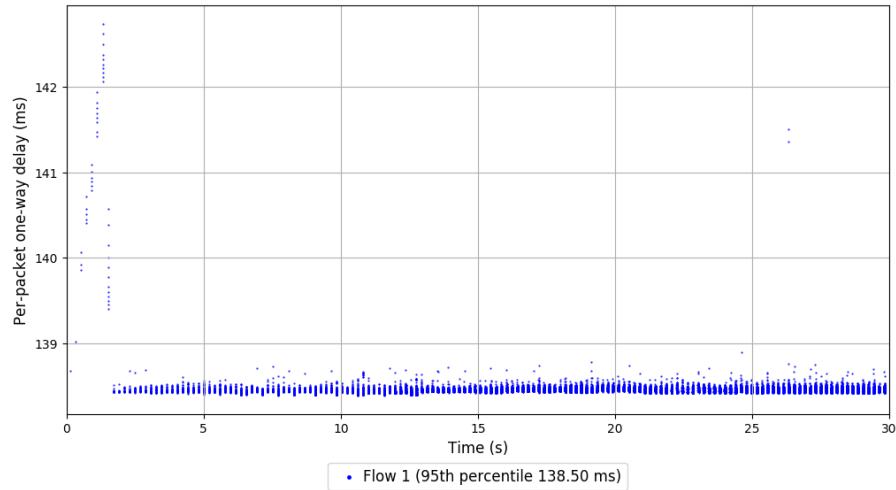
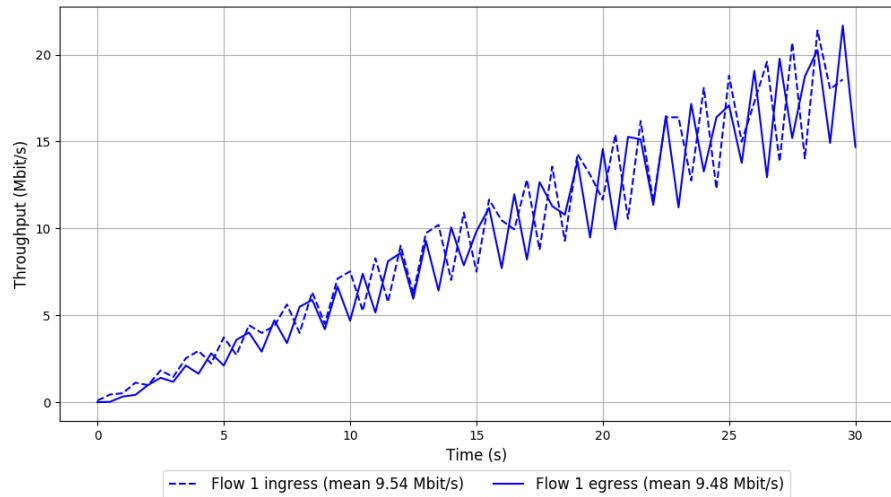


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2019-02-11 23:00:20
End at: 2019-02-11 23:00:50
Local clock offset: -2.137 ms
Remote clock offset: -45.915 ms

# Below is generated by plot.py at 2019-02-12 02:11:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.48 Mbit/s
95th percentile per-packet one-way delay: 138.500 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 9.48 Mbit/s
95th percentile per-packet one-way delay: 138.500 ms
Loss rate: 1.30%
```

Run 1: Report of LEDBAT — Data Link

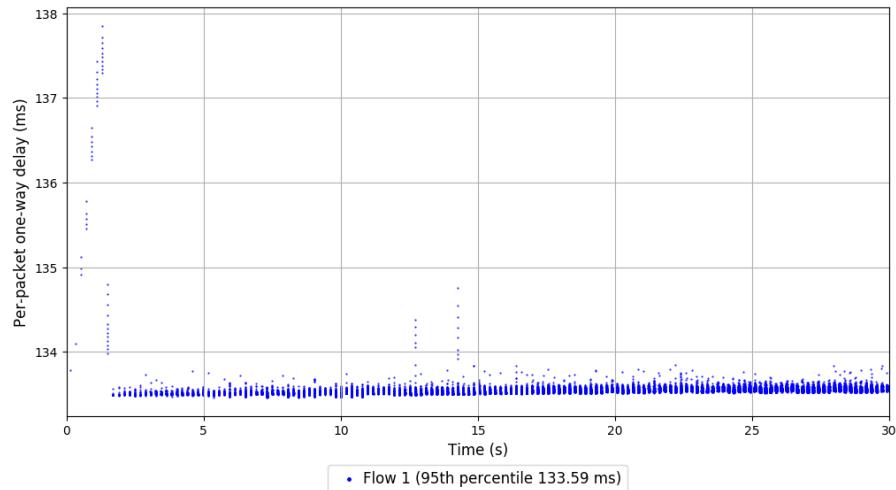
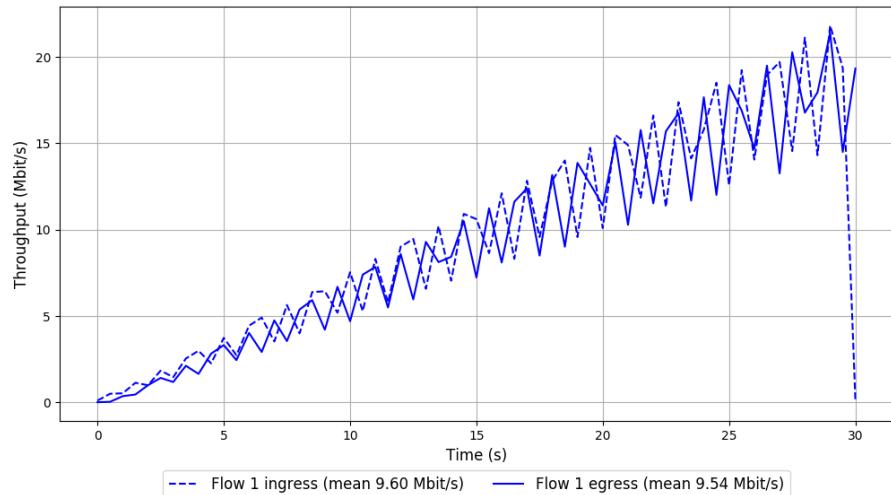


Run 2: Statistics of LEDBAT

```
Start at: 2019-02-11 23:39:50
End at: 2019-02-11 23:40:20
Local clock offset: -1.395 ms
Remote clock offset: -37.933 ms

# Below is generated by plot.py at 2019-02-12 02:11:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.54 Mbit/s
95th percentile per-packet one-way delay: 133.595 ms
Loss rate: 1.29%
-- Flow 1:
Average throughput: 9.54 Mbit/s
95th percentile per-packet one-way delay: 133.595 ms
Loss rate: 1.29%
```

## Run 2: Report of LEDBAT — Data Link

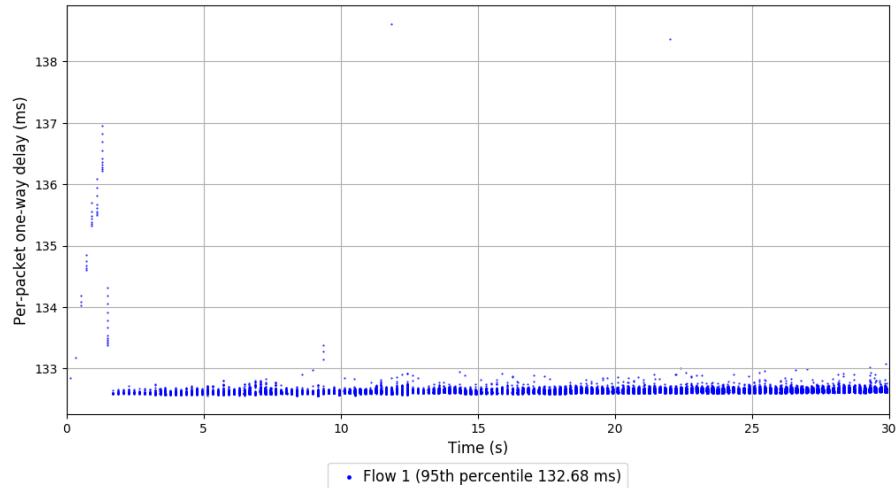
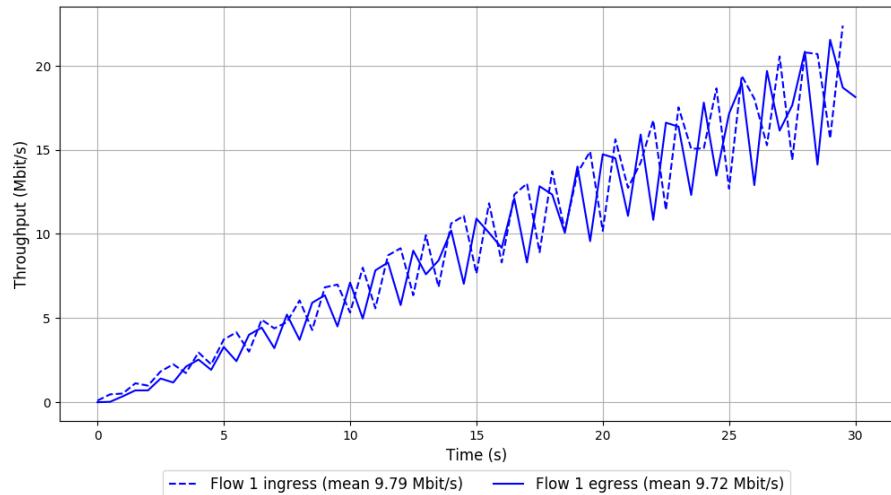


Run 3: Statistics of LEDBAT

```
Start at: 2019-02-12 00:19:32
End at: 2019-02-12 00:20:02
Local clock offset: 0.613 ms
Remote clock offset: -32.446 ms

# Below is generated by plot.py at 2019-02-12 02:11:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.72 Mbit/s
95th percentile per-packet one-way delay: 132.684 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 9.72 Mbit/s
95th percentile per-packet one-way delay: 132.684 ms
Loss rate: 1.28%
```

Run 3: Report of LEDBAT — Data Link

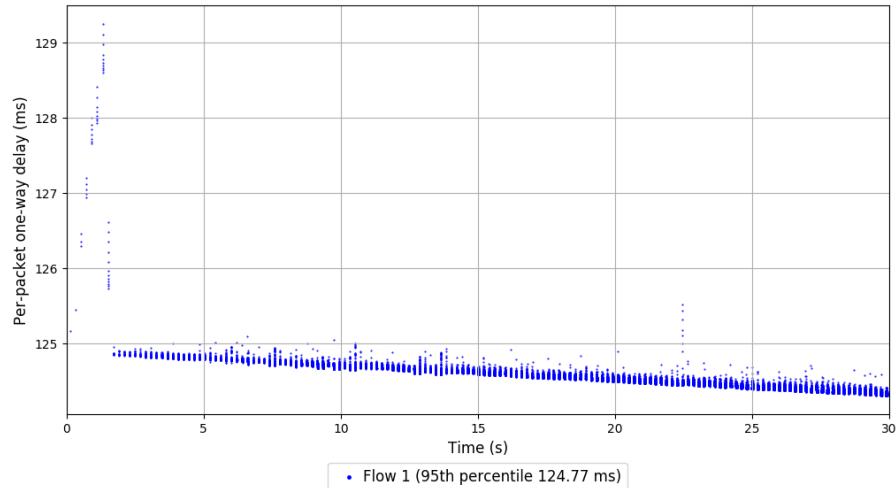
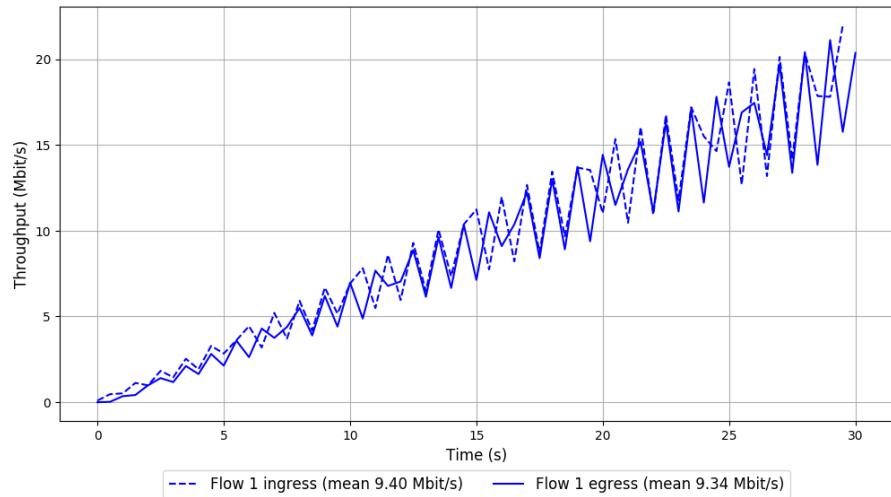


Run 4: Statistics of LEDBAT

```
Start at: 2019-02-12 00:59:26
End at: 2019-02-12 00:59:56
Local clock offset: -2.186 ms
Remote clock offset: -24.623 ms

# Below is generated by plot.py at 2019-02-12 02:11:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.34 Mbit/s
95th percentile per-packet one-way delay: 124.773 ms
Loss rate: 1.31%
-- Flow 1:
Average throughput: 9.34 Mbit/s
95th percentile per-packet one-way delay: 124.773 ms
Loss rate: 1.31%
```

Run 4: Report of LEDBAT — Data Link

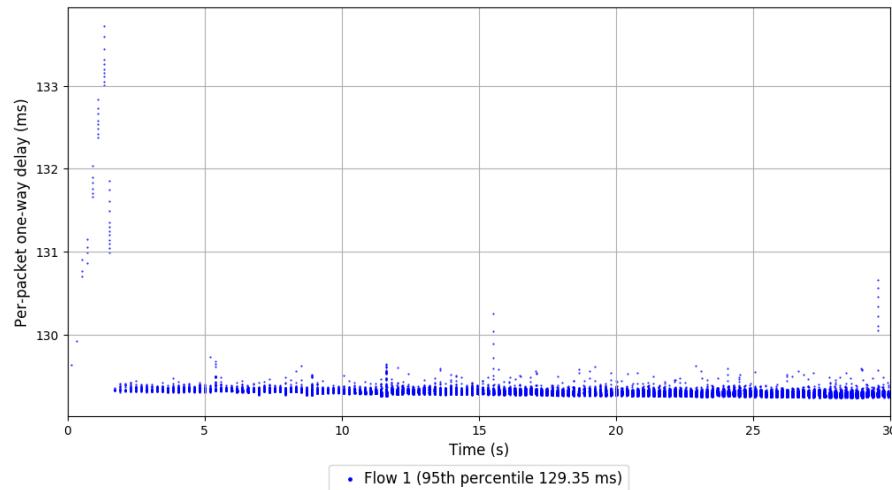
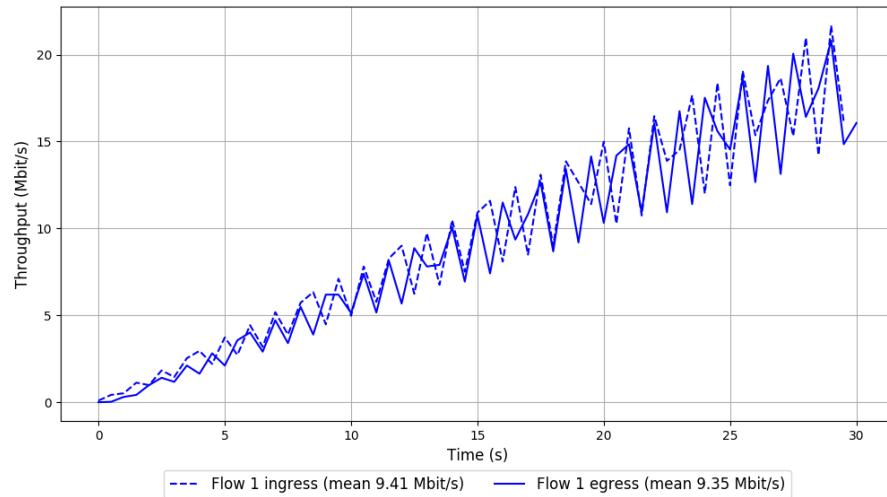


Run 5: Statistics of LEDBAT

```
Start at: 2019-02-12 01:27:39
End at: 2019-02-12 01:28:09
Local clock offset: -0.613 ms
Remote clock offset: -40.722 ms

# Below is generated by plot.py at 2019-02-12 02:11:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.35 Mbit/s
95th percentile per-packet one-way delay: 129.350 ms
Loss rate: 1.30%
-- Flow 1:
Average throughput: 9.35 Mbit/s
95th percentile per-packet one-way delay: 129.350 ms
Loss rate: 1.30%
```

Run 5: Report of LEDBAT — Data Link

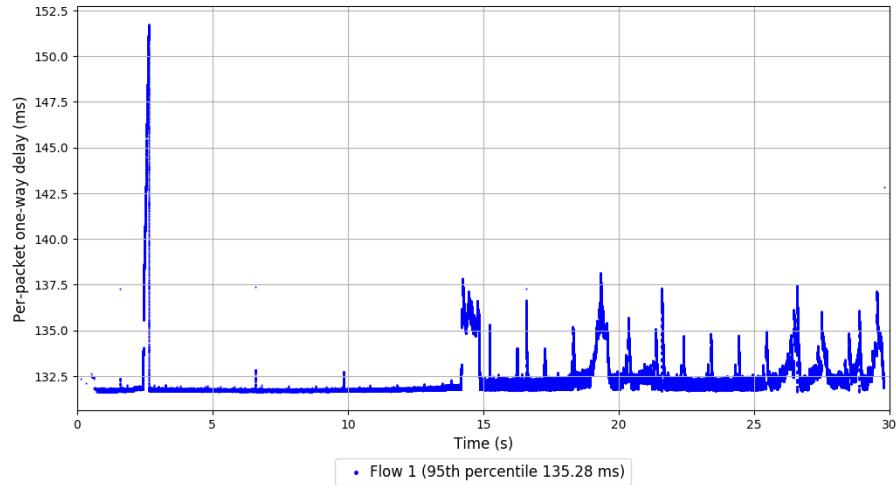
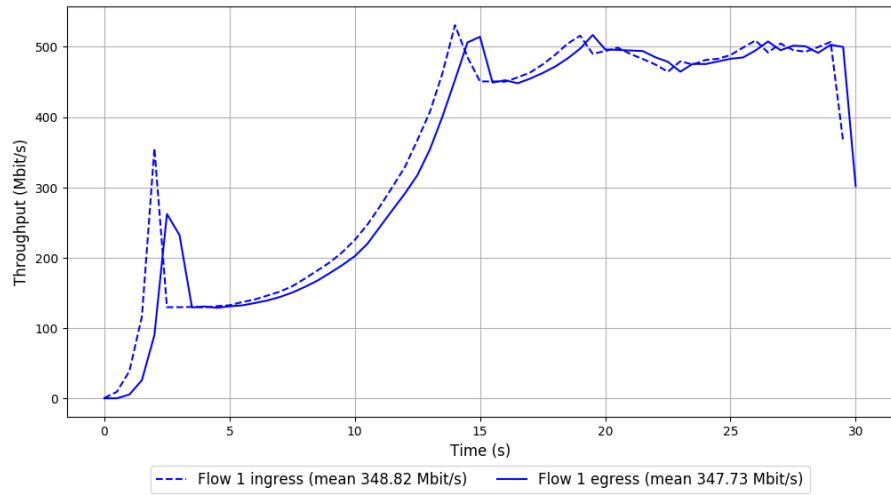


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2019-02-11 22:39:42
End at: 2019-02-11 22:40:12
Local clock offset: 0.875 ms
Remote clock offset: -34.073 ms

# Below is generated by plot.py at 2019-02-12 02:11:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 347.73 Mbit/s
95th percentile per-packet one-way delay: 135.282 ms
Loss rate: 0.96%
-- Flow 1:
Average throughput: 347.73 Mbit/s
95th percentile per-packet one-way delay: 135.282 ms
Loss rate: 0.96%
```

Run 1: Report of PCC-Allegro — Data Link

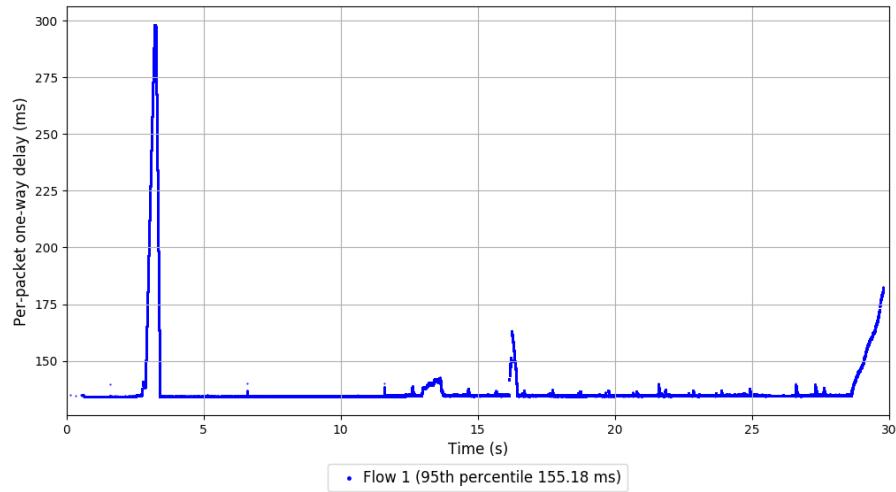
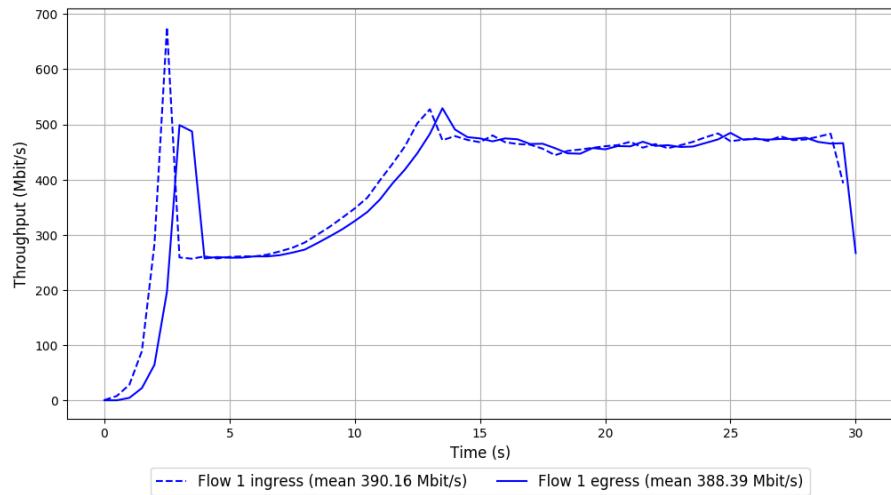


Run 2: Statistics of PCC-Allegro

```
Start at: 2019-02-11 23:30:29
End at: 2019-02-11 23:30:59
Local clock offset: 2.11 ms
Remote clock offset: -35.742 ms

# Below is generated by plot.py at 2019-02-12 02:12:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 388.39 Mbit/s
95th percentile per-packet one-way delay: 155.183 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 388.39 Mbit/s
95th percentile per-packet one-way delay: 155.183 ms
Loss rate: 1.23%
```

Run 2: Report of PCC-Allegro — Data Link

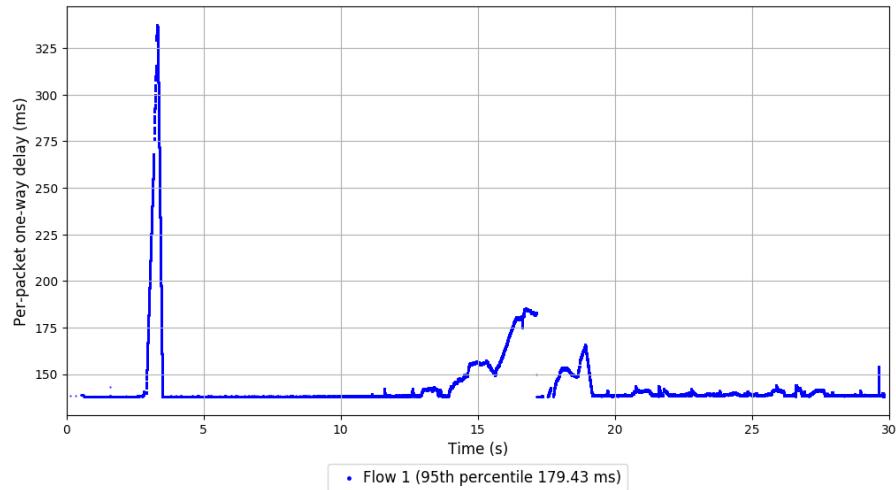
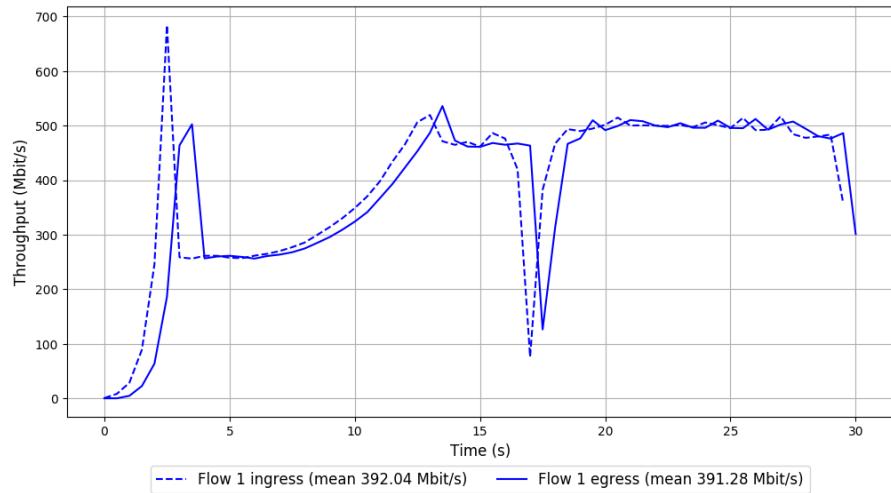


Run 3: Statistics of PCC-Allegro

```
Start at: 2019-02-12 00:04:41
End at: 2019-02-12 00:05:11
Local clock offset: 0.116 ms
Remote clock offset: -38.18 ms

# Below is generated by plot.py at 2019-02-12 02:14:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 391.28 Mbit/s
95th percentile per-packet one-way delay: 179.431 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 391.28 Mbit/s
95th percentile per-packet one-way delay: 179.431 ms
Loss rate: 0.85%
```

### Run 3: Report of PCC-Allegro — Data Link

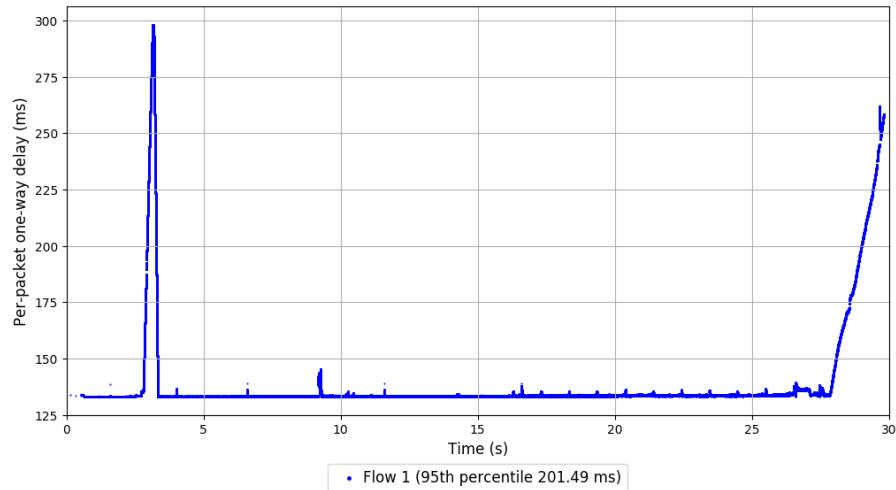
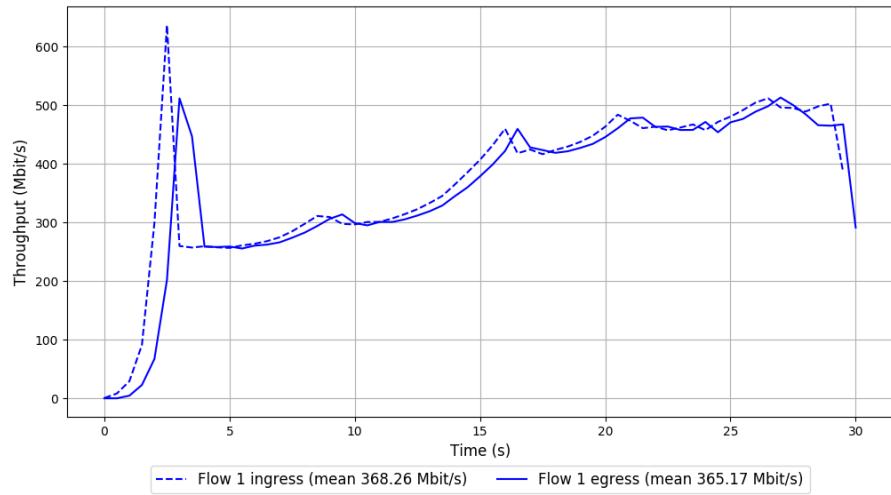


Run 4: Statistics of PCC-Allegro

```
Start at: 2019-02-12 00:44:33
End at: 2019-02-12 00:45:03
Local clock offset: -1.495 ms
Remote clock offset: -32.469 ms

# Below is generated by plot.py at 2019-02-12 02:14:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 365.17 Mbit/s
95th percentile per-packet one-way delay: 201.490 ms
Loss rate: 1.50%
-- Flow 1:
Average throughput: 365.17 Mbit/s
95th percentile per-packet one-way delay: 201.490 ms
Loss rate: 1.50%
```

Run 4: Report of PCC-Allegro — Data Link

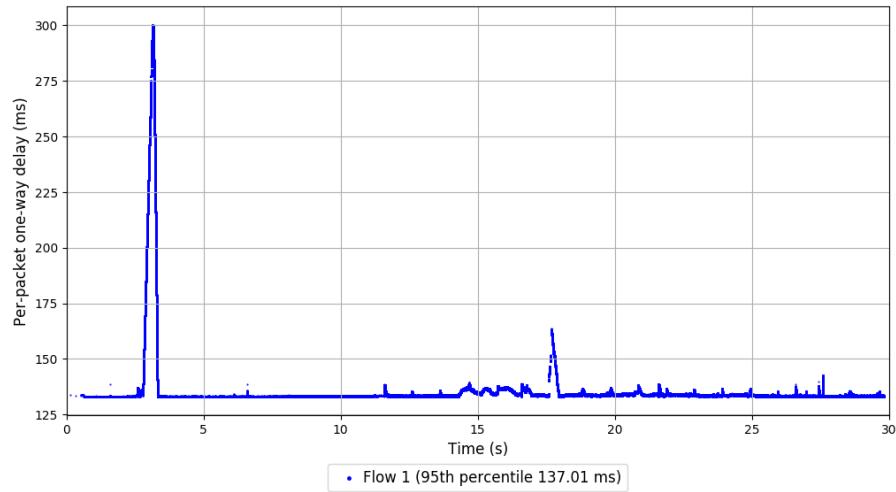
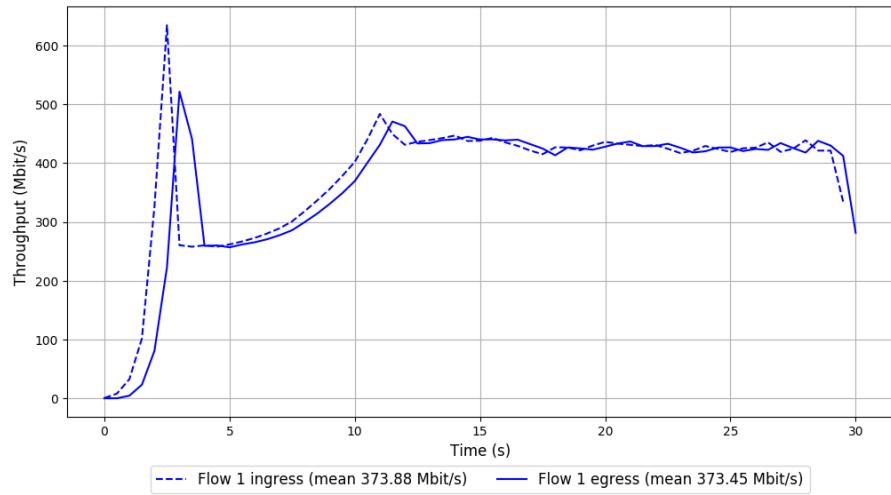


Run 5: Statistics of PCC-Allegro

```
Start at: 2019-02-12 01:18:23
End at: 2019-02-12 01:18:53
Local clock offset: -0.596 ms
Remote clock offset: -42.972 ms

# Below is generated by plot.py at 2019-02-12 02:14:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 373.45 Mbit/s
95th percentile per-packet one-way delay: 137.013 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 373.45 Mbit/s
95th percentile per-packet one-way delay: 137.013 ms
Loss rate: 0.77%
```

Run 5: Report of PCC-Allegro — Data Link

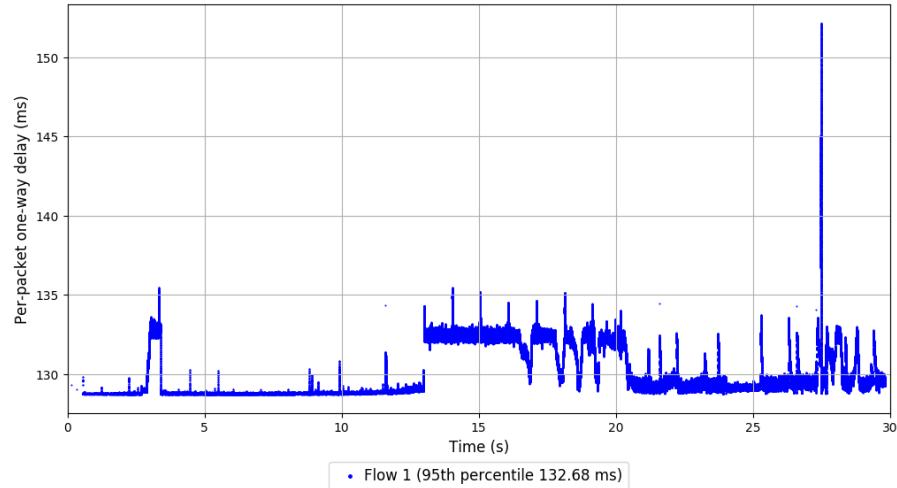
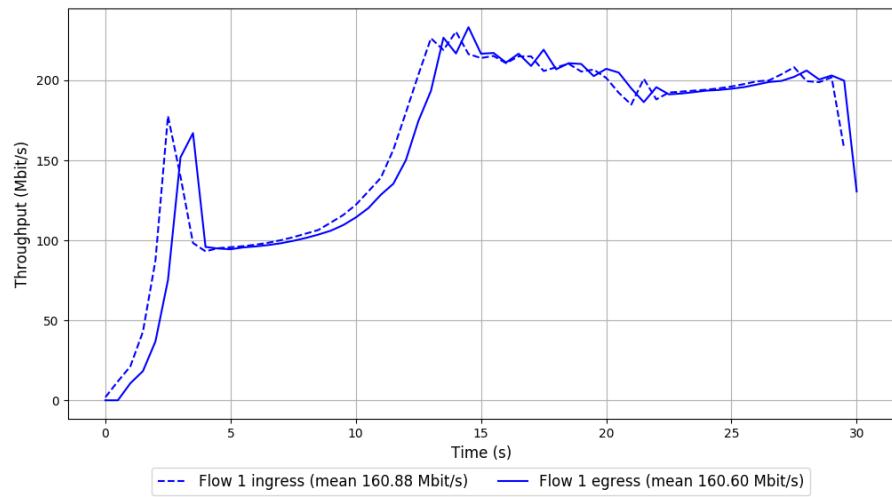


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2019-02-11 23:07:07
End at: 2019-02-11 23:07:37
Local clock offset: 2.319 ms
Remote clock offset: -33.164 ms

# Below is generated by plot.py at 2019-02-12 02:14:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 160.60 Mbit/s
95th percentile per-packet one-way delay: 132.677 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 160.60 Mbit/s
95th percentile per-packet one-way delay: 132.677 ms
Loss rate: 0.82%
```

Run 1: Report of PCC-Expr — Data Link

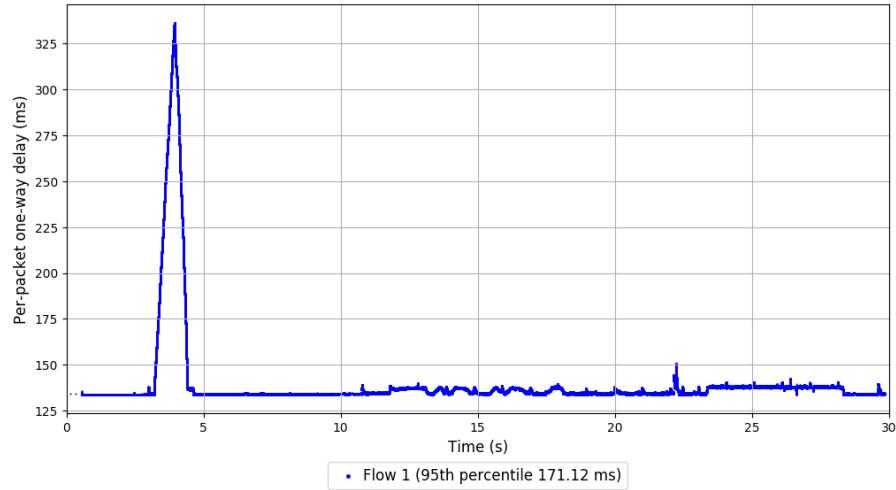
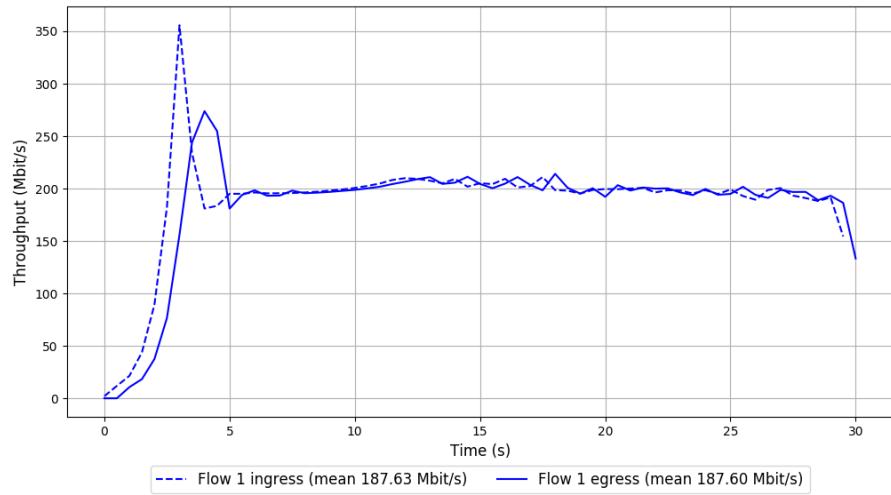


Run 2: Statistics of PCC-Expr

```
Start at: 2019-02-11 23:52:22
End at: 2019-02-11 23:52:52
Local clock offset: -1.031 ms
Remote clock offset: -36.676 ms

# Below is generated by plot.py at 2019-02-12 02:14:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 187.60 Mbit/s
95th percentile per-packet one-way delay: 171.121 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 187.60 Mbit/s
95th percentile per-packet one-way delay: 171.121 ms
Loss rate: 0.67%
```

Run 2: Report of PCC-Expr — Data Link

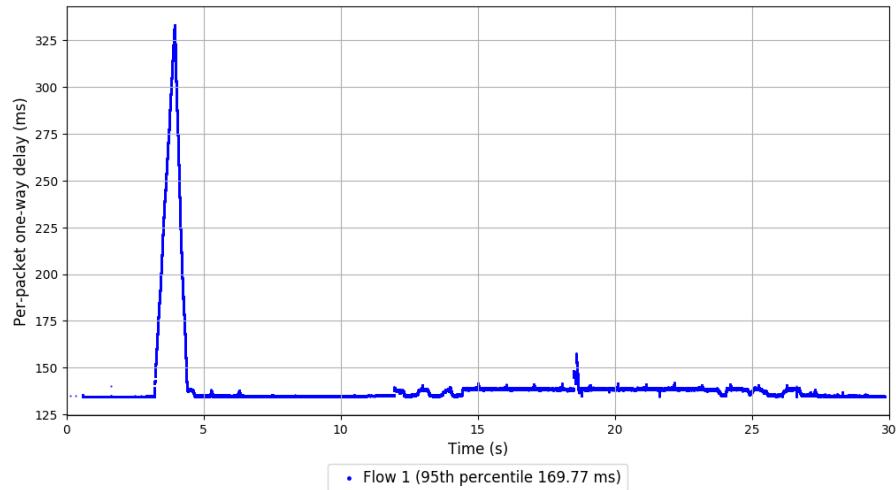
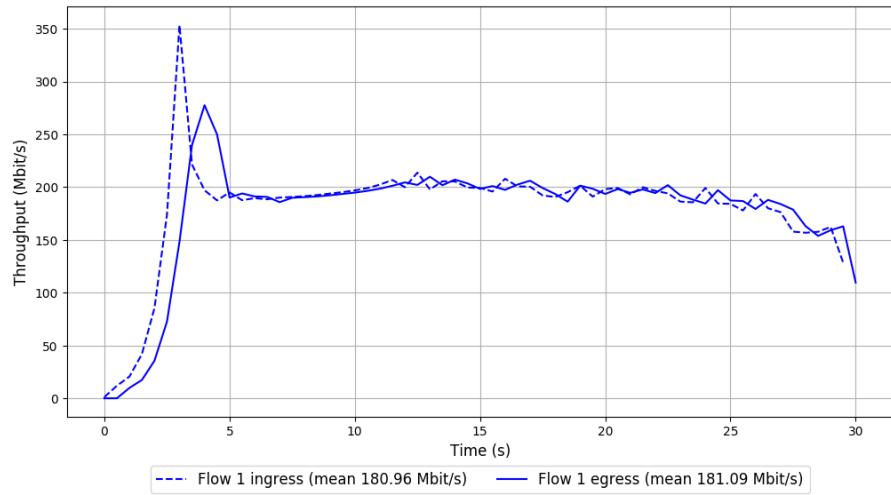


Run 3: Statistics of PCC-Expr

```
Start at: 2019-02-12 00:32:24
End at: 2019-02-12 00:32:54
Local clock offset: 0.006 ms
Remote clock offset: -34.038 ms

# Below is generated by plot.py at 2019-02-12 02:14:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 181.09 Mbit/s
95th percentile per-packet one-way delay: 169.769 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 181.09 Mbit/s
95th percentile per-packet one-way delay: 169.769 ms
Loss rate: 0.58%
```

Run 3: Report of PCC-Expr — Data Link

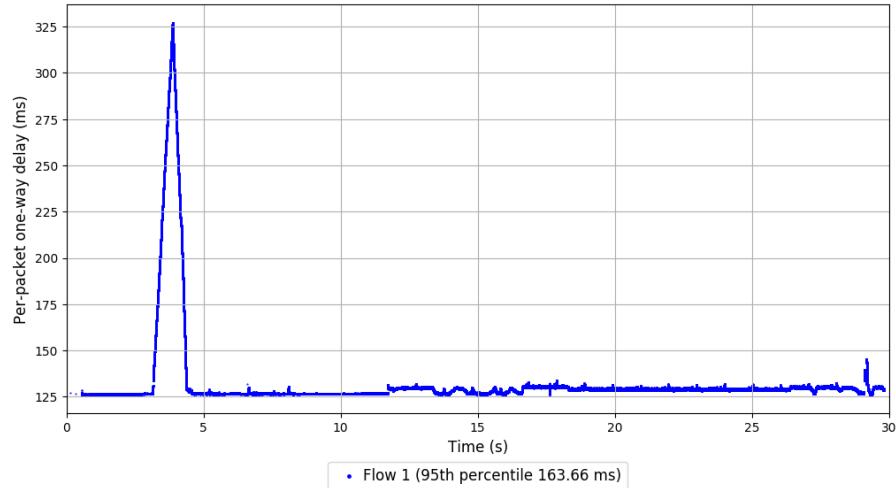
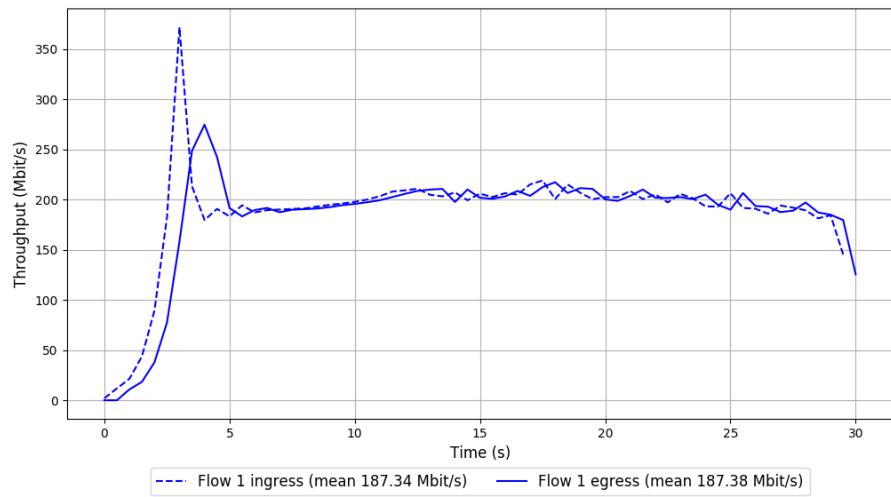


Run 4: Statistics of PCC-Expr

```
Start at: 2019-02-12 01:06:12
End at: 2019-02-12 01:06:42
Local clock offset: -0.626 ms
Remote clock offset: -30.36 ms

# Below is generated by plot.py at 2019-02-12 02:15:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 187.38 Mbit/s
95th percentile per-packet one-way delay: 163.656 ms
Loss rate: 0.63%
-- Flow 1:
Average throughput: 187.38 Mbit/s
95th percentile per-packet one-way delay: 163.656 ms
Loss rate: 0.63%
```

Run 4: Report of PCC-Expr — Data Link

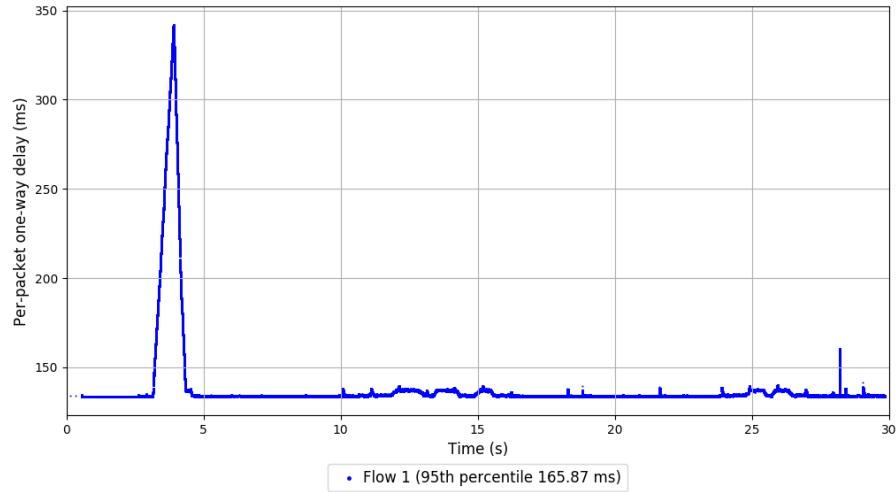
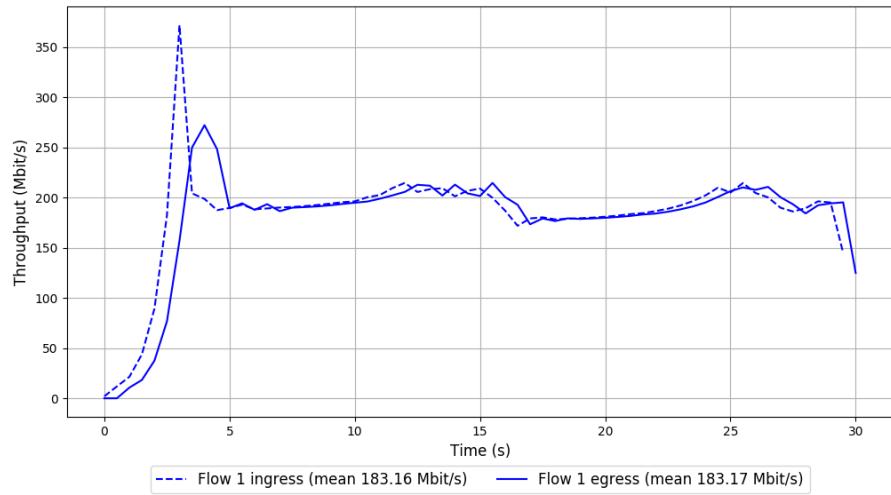


Run 5: Statistics of PCC-Expr

```
Start at: 2019-02-12 01:40:08
End at: 2019-02-12 01:40:38
Local clock offset: 0.601 ms
Remote clock offset: -43.213 ms

# Below is generated by plot.py at 2019-02-12 02:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 183.17 Mbit/s
95th percentile per-packet one-way delay: 165.872 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 183.17 Mbit/s
95th percentile per-packet one-way delay: 165.872 ms
Loss rate: 0.65%
```

Run 5: Report of PCC-Expr — Data Link

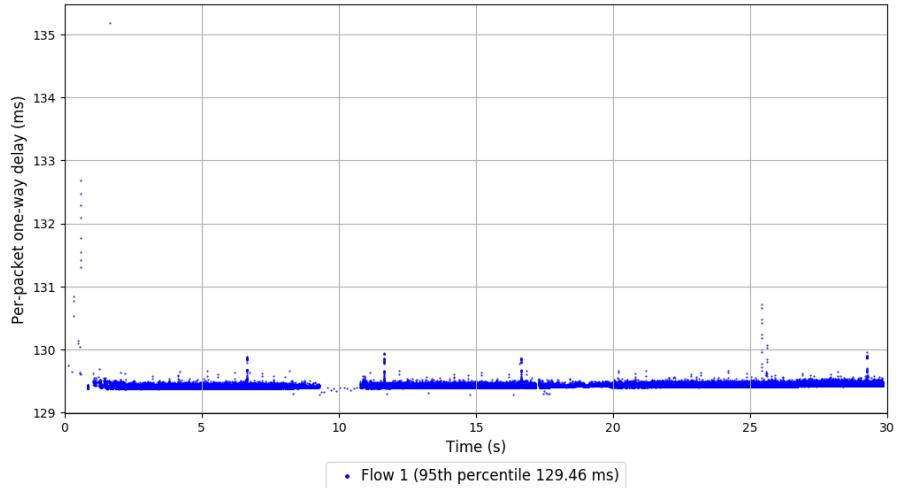
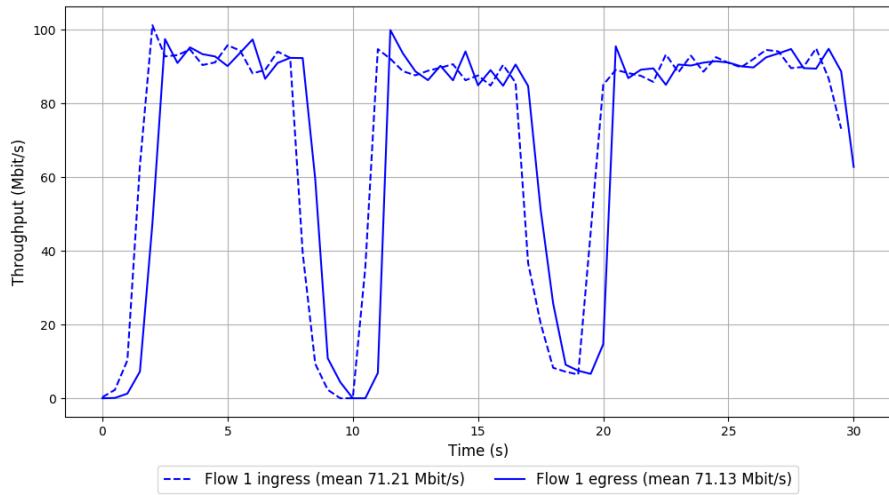


```
Run 1: Statistics of QUIC Cubic

Start at: 2019-02-11 23:05:53
End at: 2019-02-11 23:06:23
Local clock offset: -0.678 ms
Remote clock offset: -35.228 ms

# Below is generated by plot.py at 2019-02-12 02:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.13 Mbit/s
95th percentile per-packet one-way delay: 129.457 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 71.13 Mbit/s
95th percentile per-packet one-way delay: 129.457 ms
Loss rate: 0.77%
```

Run 1: Report of QUIC Cubic — Data Link

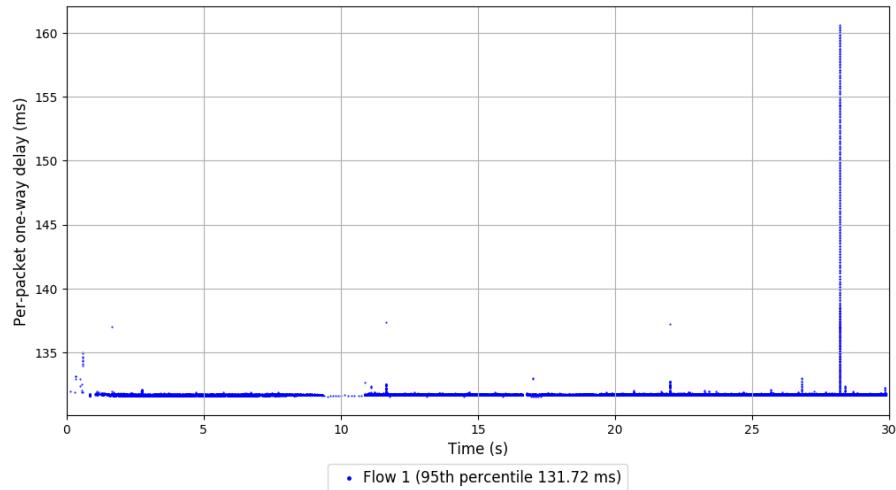
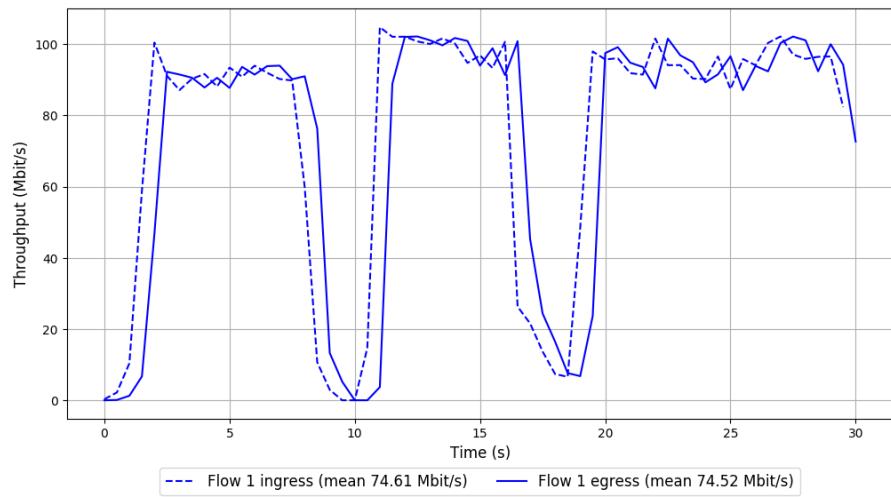


Run 2: Statistics of QUIC Cubic

```
Start at: 2019-02-11 23:51:08
End at: 2019-02-11 23:51:38
Local clock offset: 0.756 ms
Remote clock offset: -32.42 ms

# Below is generated by plot.py at 2019-02-12 02:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.52 Mbit/s
95th percentile per-packet one-way delay: 131.722 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 74.52 Mbit/s
95th percentile per-packet one-way delay: 131.722 ms
Loss rate: 0.78%
```

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

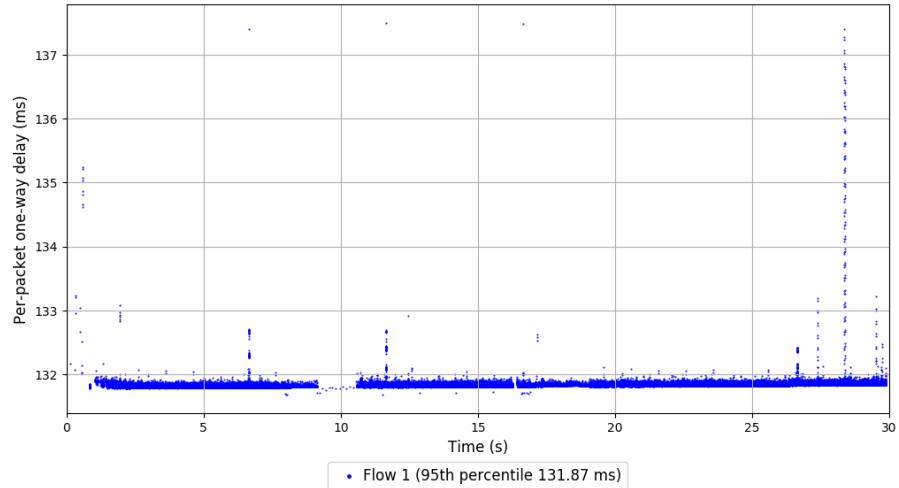
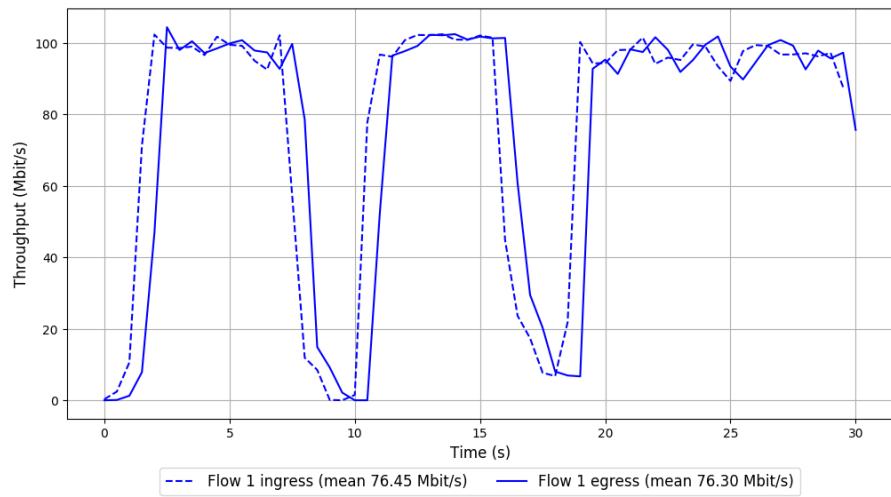


Run 3: Statistics of QUIC Cubic

```
Start at: 2019-02-12 00:30:49
End at: 2019-02-12 00:31:19
Local clock offset: -0.816 ms
Remote clock offset: -32.282 ms

# Below is generated by plot.py at 2019-02-12 02:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.30 Mbit/s
95th percentile per-packet one-way delay: 131.866 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 76.30 Mbit/s
95th percentile per-packet one-way delay: 131.866 ms
Loss rate: 0.84%
```

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

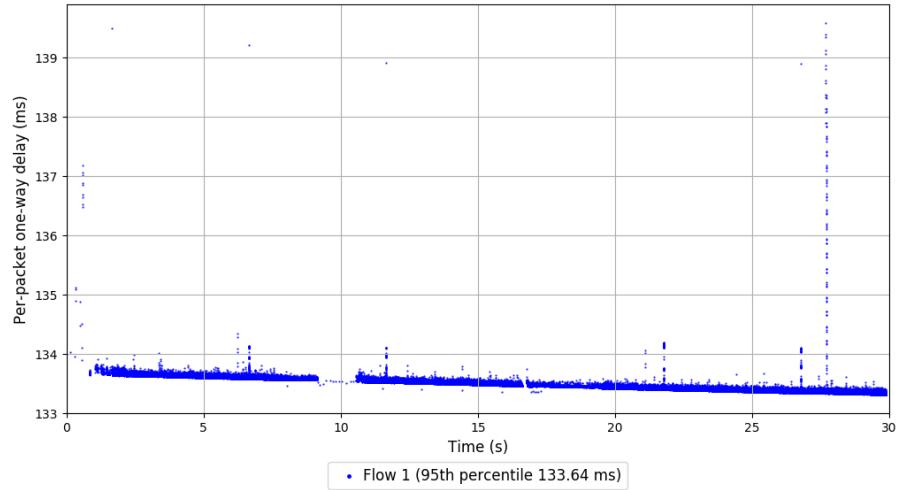
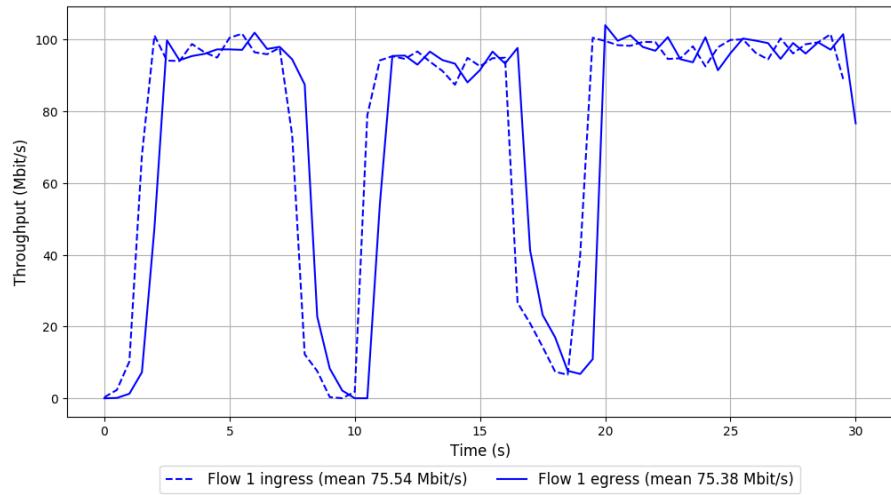


Run 4: Statistics of QUIC Cubic

```
Start at: 2019-02-12 01:04:58
End at: 2019-02-12 01:05:28
Local clock offset: -3.225 ms
Remote clock offset: -38.88 ms

# Below is generated by plot.py at 2019-02-12 02:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.38 Mbit/s
95th percentile per-packet one-way delay: 133.644 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 75.38 Mbit/s
95th percentile per-packet one-way delay: 133.644 ms
Loss rate: 0.87%
```

Run 4: Report of QUIC Cubic — Data Link

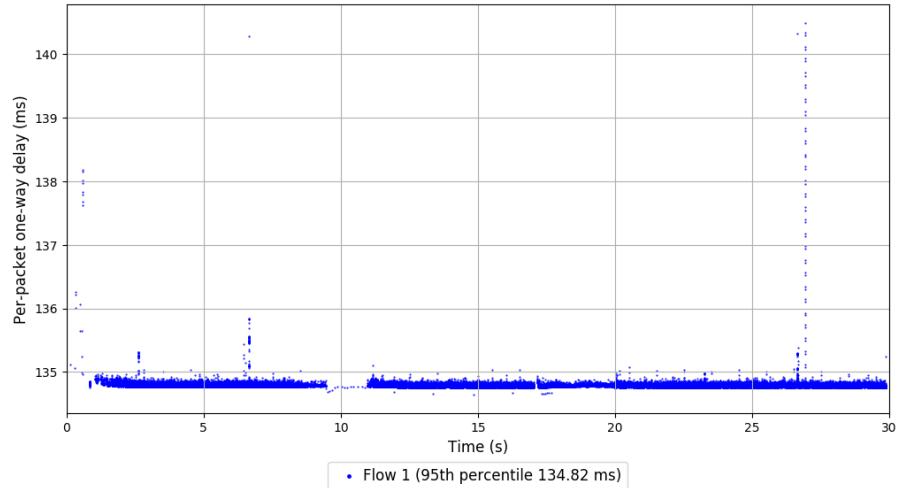
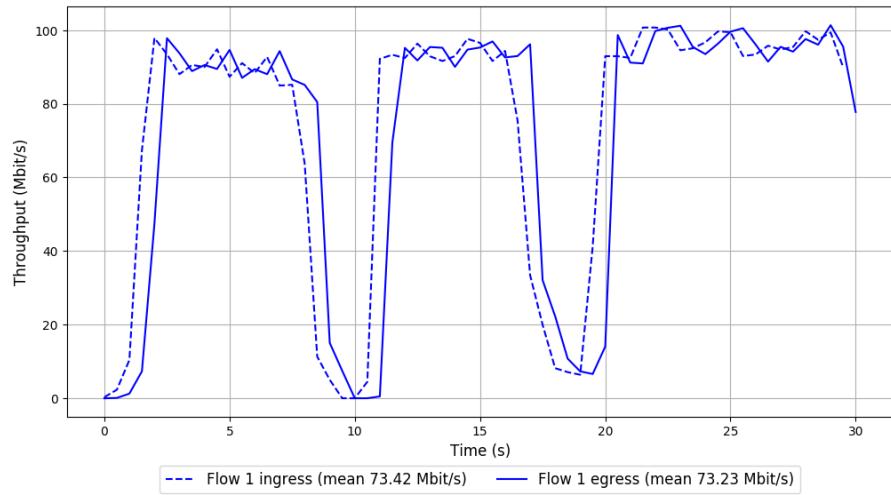


Run 5: Statistics of QUIC Cubic

```
Start at: 2019-02-12 01:38:52
End at: 2019-02-12 01:39:22
Local clock offset: -0.83 ms
Remote clock offset: -46.001 ms

# Below is generated by plot.py at 2019-02-12 02:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.23 Mbit/s
95th percentile per-packet one-way delay: 134.818 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 73.23 Mbit/s
95th percentile per-packet one-way delay: 134.818 ms
Loss rate: 0.90%
```

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

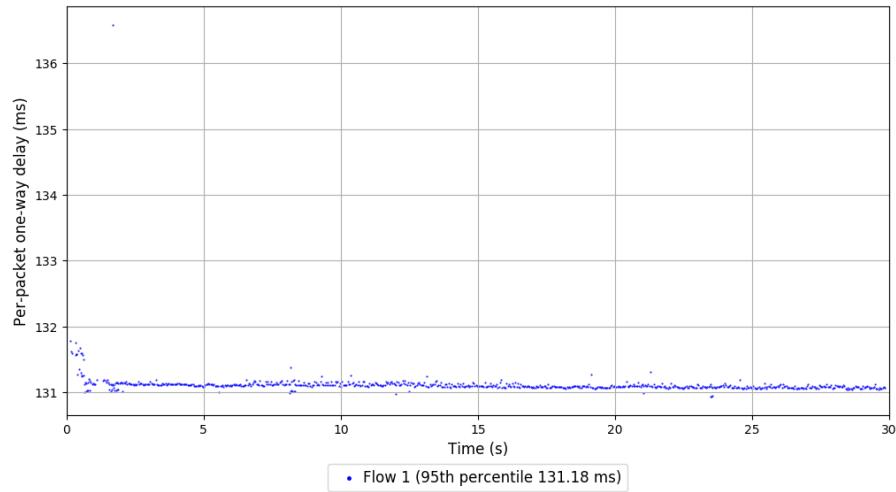
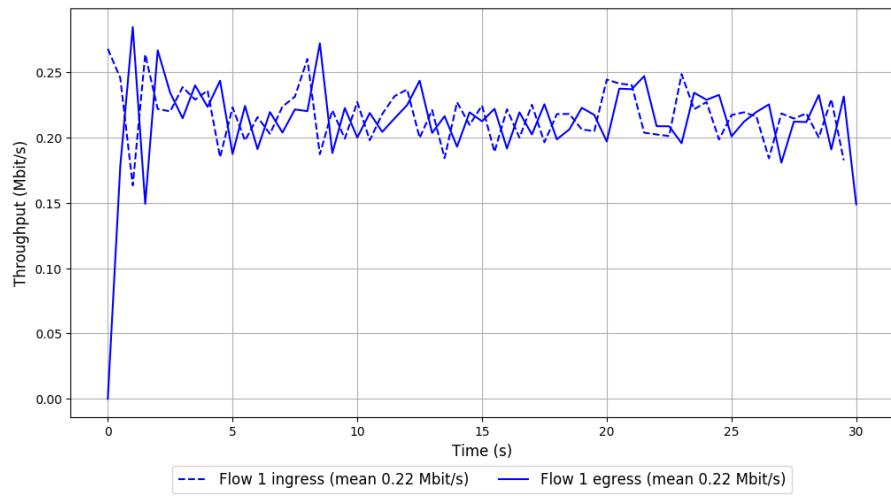


```
Run 1: Statistics of SCReAM

Start at: 2019-02-11 22:47:54
End at: 2019-02-11 22:48:24
Local clock offset: -0.011 ms
Remote clock offset: -35.755 ms

# Below is generated by plot.py at 2019-02-12 02:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 131.178 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 131.178 ms
Loss rate: 0.64%
```

Run 1: Report of SCReAM — Data Link

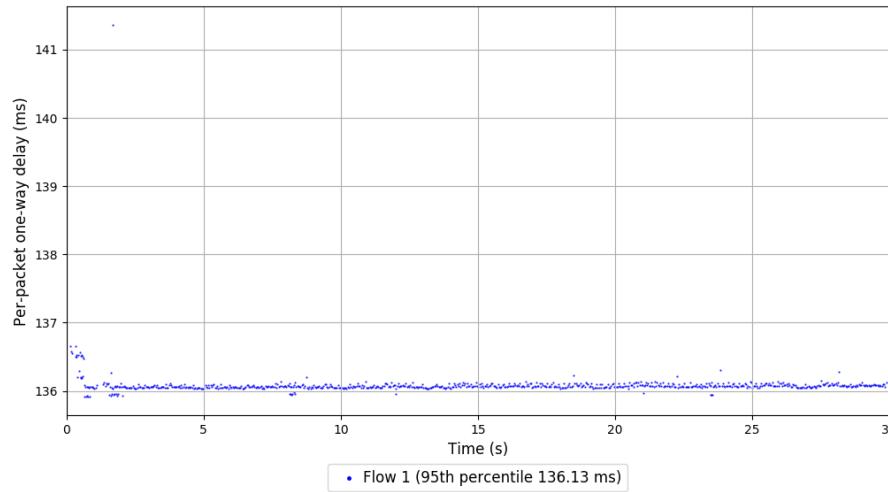
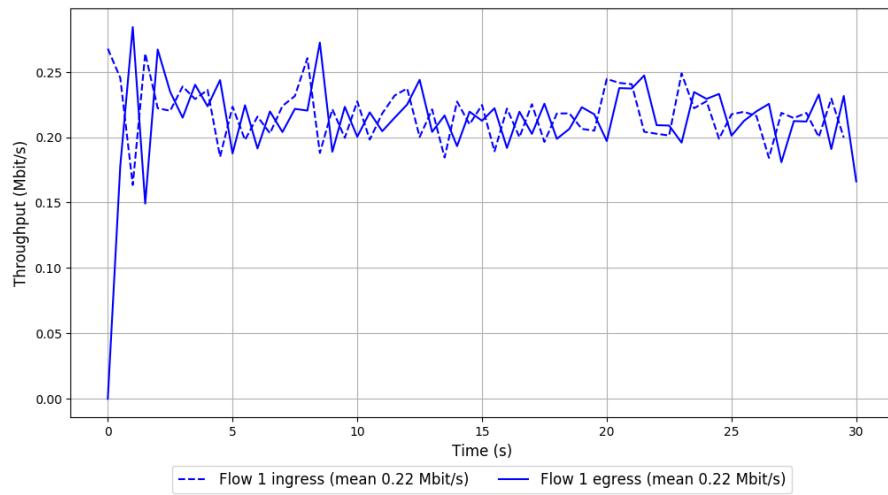


Run 2: Statistics of SCReAM

```
Start at: 2019-02-11 23:33:16
End at: 2019-02-11 23:33:46
Local clock offset: 1.21 ms
Remote clock offset: -39.828 ms

# Below is generated by plot.py at 2019-02-12 02:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.126 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 136.126 ms
Loss rate: 0.64%
```

Run 2: Report of SCReAM — Data Link

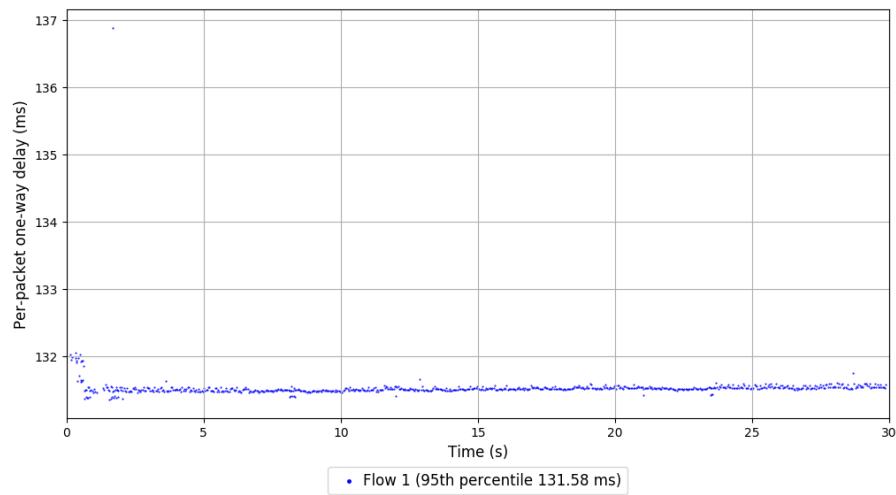
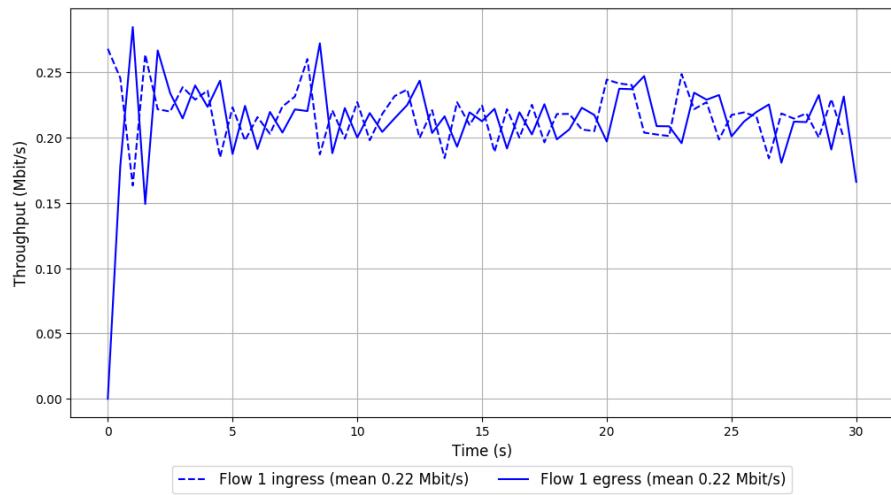


Run 3: Statistics of SCReAM

```
Start at: 2019-02-12 00:07:23
End at: 2019-02-12 00:07:53
Local clock offset: 0.509 ms
Remote clock offset: -30.803 ms

# Below is generated by plot.py at 2019-02-12 02:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 131.582 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 131.582 ms
Loss rate: 0.64%
```

Run 3: Report of SCReAM — Data Link

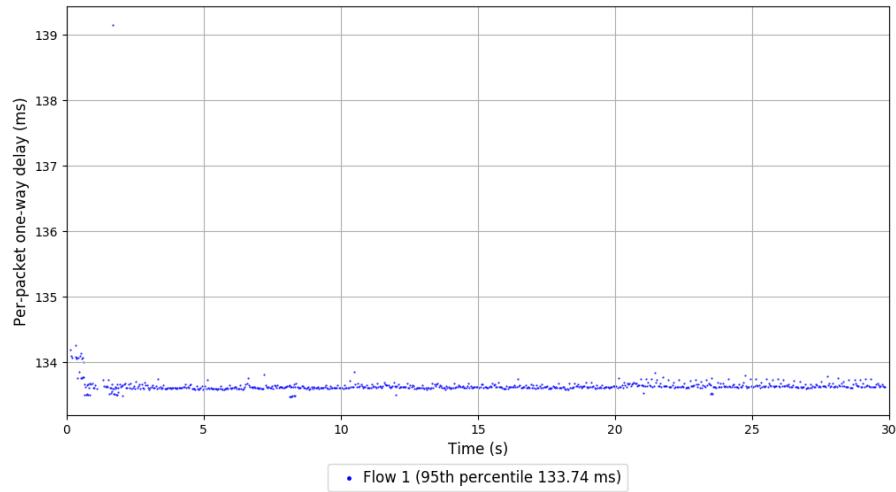
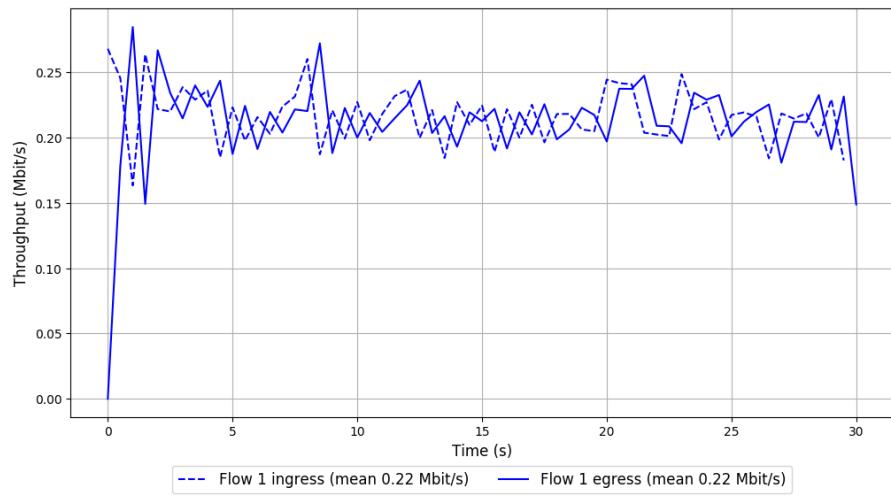


Run 4: Statistics of SCReAM

```
Start at: 2019-02-12 00:47:18
End at: 2019-02-12 00:47:48
Local clock offset: -0.556 ms
Remote clock offset: -31.086 ms

# Below is generated by plot.py at 2019-02-12 02:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 133.735 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 133.735 ms
Loss rate: 0.64%
```

Run 4: Report of SCReAM — Data Link

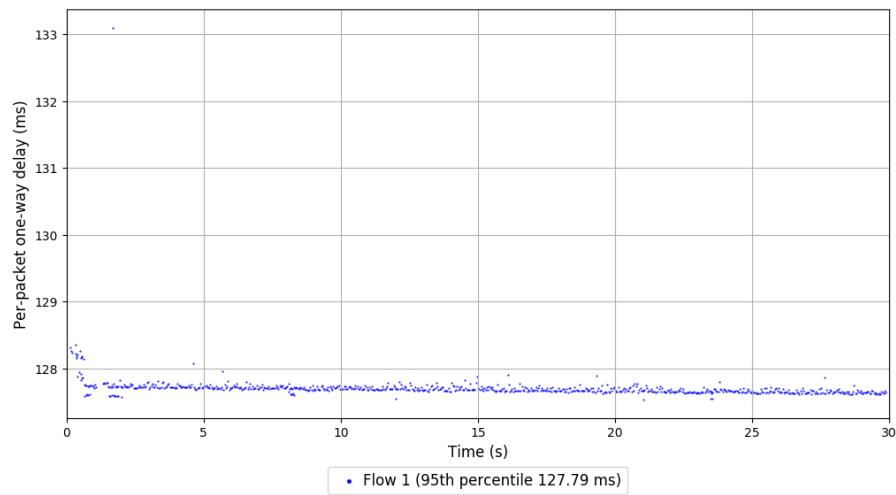
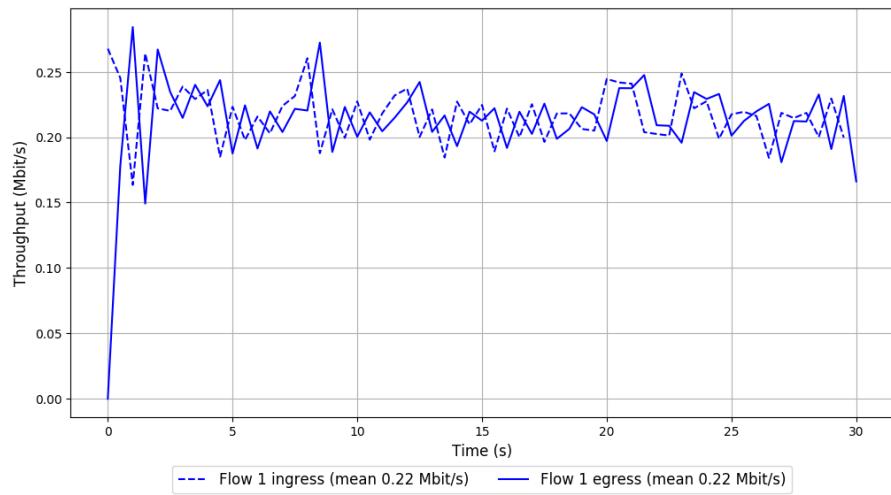


Run 5: Statistics of SCReAM

```
Start at: 2019-02-12 01:21:04
End at: 2019-02-12 01:21:34
Local clock offset: -0.52 ms
Remote clock offset: -37.913 ms

# Below is generated by plot.py at 2019-02-12 02:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 127.787 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 127.787 ms
Loss rate: 0.64%
```

Run 5: Report of SCReAM — Data Link

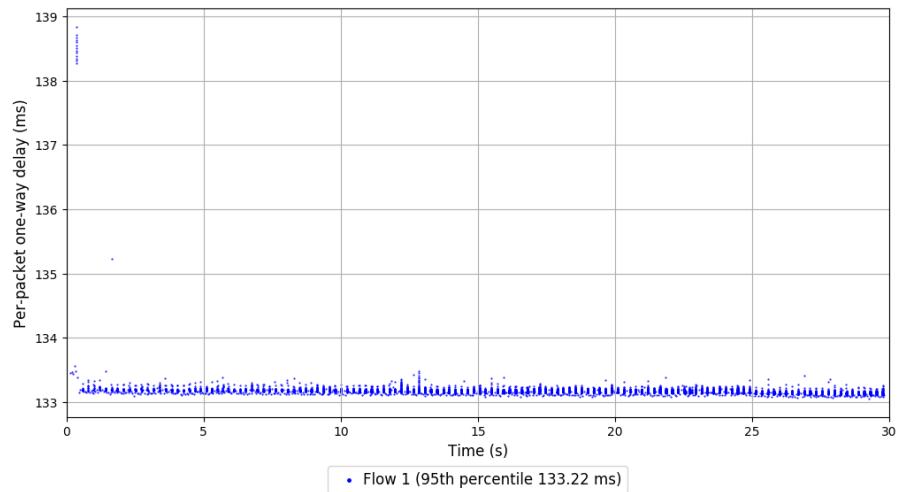
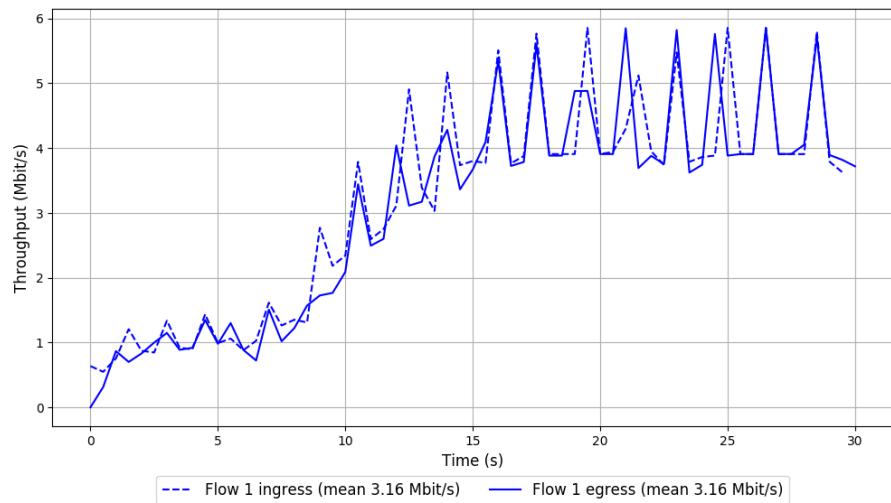


Run 1: Statistics of Sprout

```
Start at: 2019-02-11 22:37:06
End at: 2019-02-11 22:37:36
Local clock offset: -0.839 ms
Remote clock offset: -37.88 ms

# Below is generated by plot.py at 2019-02-12 02:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 133.220 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 3.16 Mbit/s
95th percentile per-packet one-way delay: 133.220 ms
Loss rate: 0.95%
```

## Run 1: Report of Sprout — Data Link

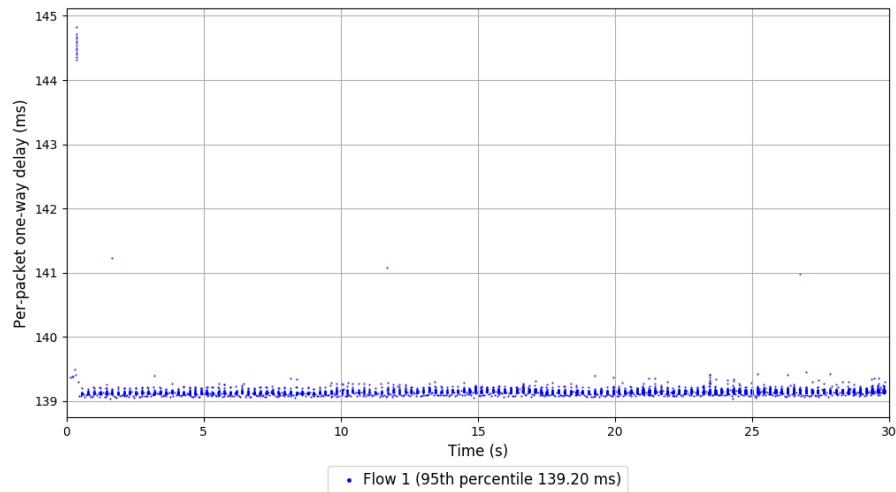
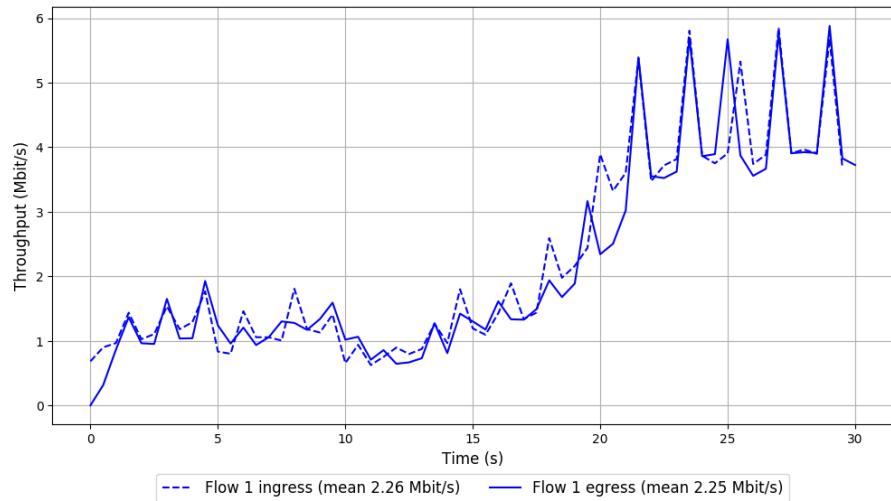


Run 2: Statistics of Sprout

```
Start at: 2019-02-11 23:27:46
End at: 2019-02-11 23:28:16
Local clock offset: 0.946 ms
Remote clock offset: -43.499 ms

# Below is generated by plot.py at 2019-02-12 02:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 139.201 ms
Loss rate: 1.35%
-- Flow 1:
Average throughput: 2.25 Mbit/s
95th percentile per-packet one-way delay: 139.201 ms
Loss rate: 1.35%
```

## Run 2: Report of Sprout — Data Link

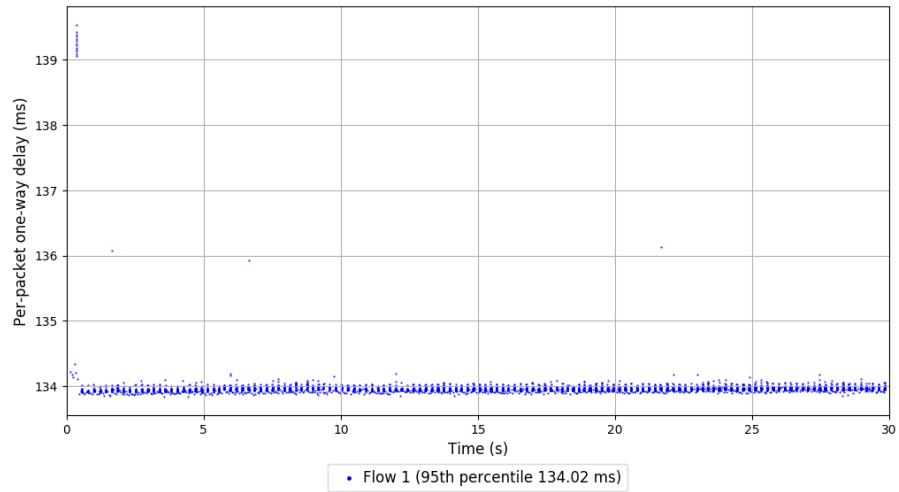
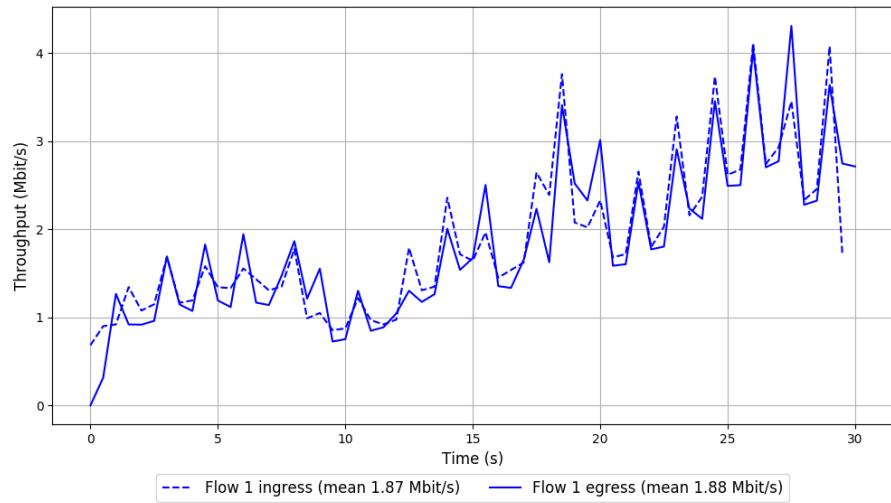


Run 3: Statistics of Sprout

```
Start at: 2019-02-12 00:02:04
End at: 2019-02-12 00:02:34
Local clock offset: 0.057 ms
Remote clock offset: -34.947 ms

# Below is generated by plot.py at 2019-02-12 02:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 134.017 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 1.88 Mbit/s
95th percentile per-packet one-way delay: 134.017 ms
Loss rate: 0.30%
```

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

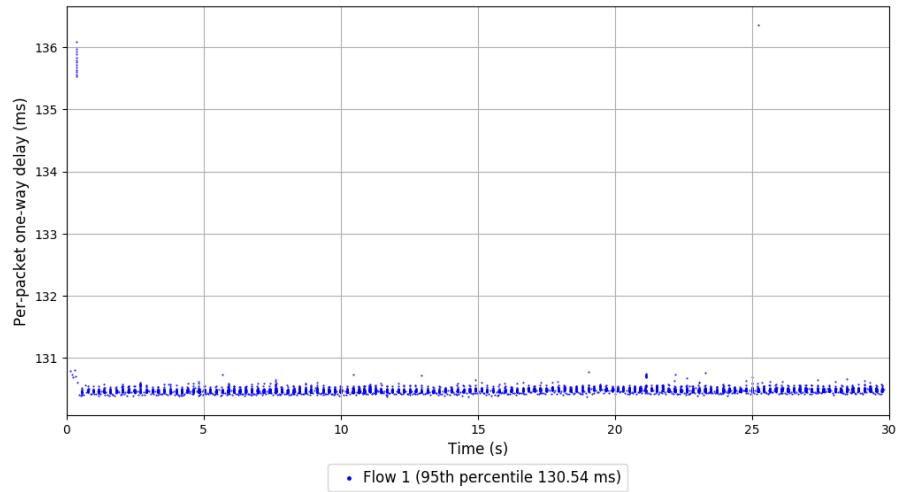
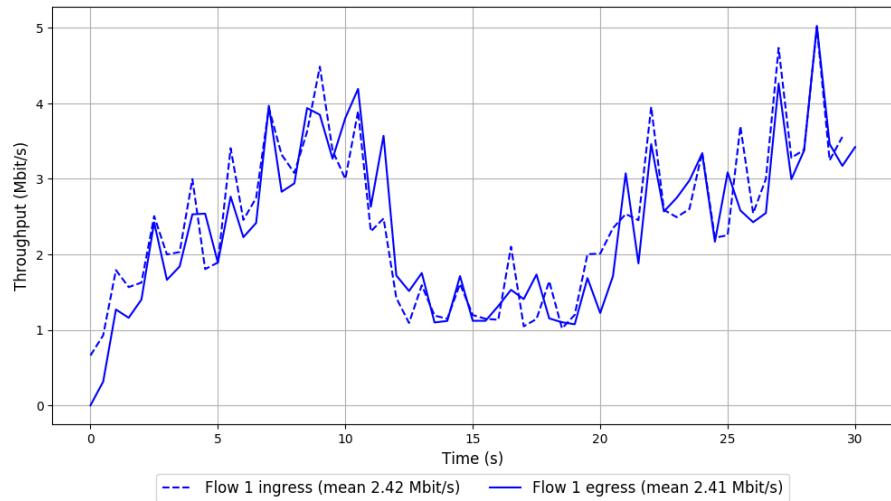


Run 4: Statistics of Sprout

```
Start at: 2019-02-12 00:41:57
End at: 2019-02-12 00:42:27
Local clock offset: -3.068 ms
Remote clock offset: -31.379 ms

# Below is generated by plot.py at 2019-02-12 02:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 130.540 ms
Loss rate: 1.22%
-- Flow 1:
Average throughput: 2.41 Mbit/s
95th percentile per-packet one-way delay: 130.540 ms
Loss rate: 1.22%
```

## Run 4: Report of Sprout — Data Link

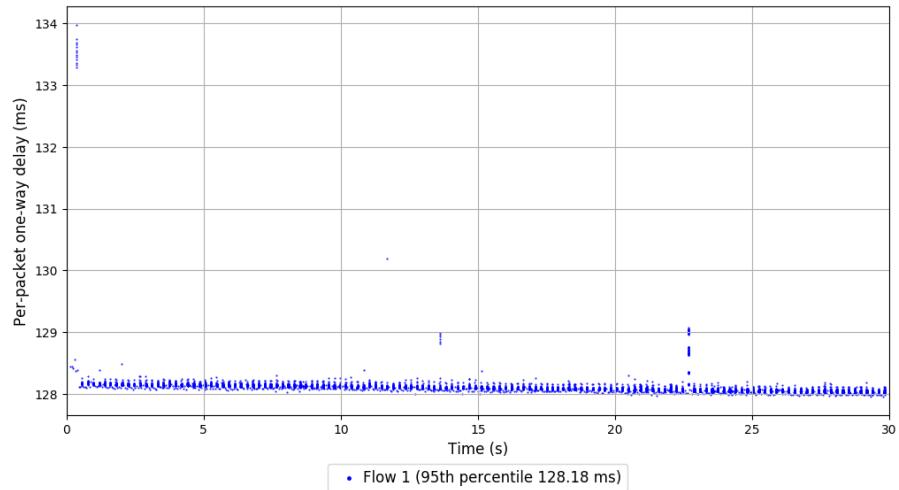
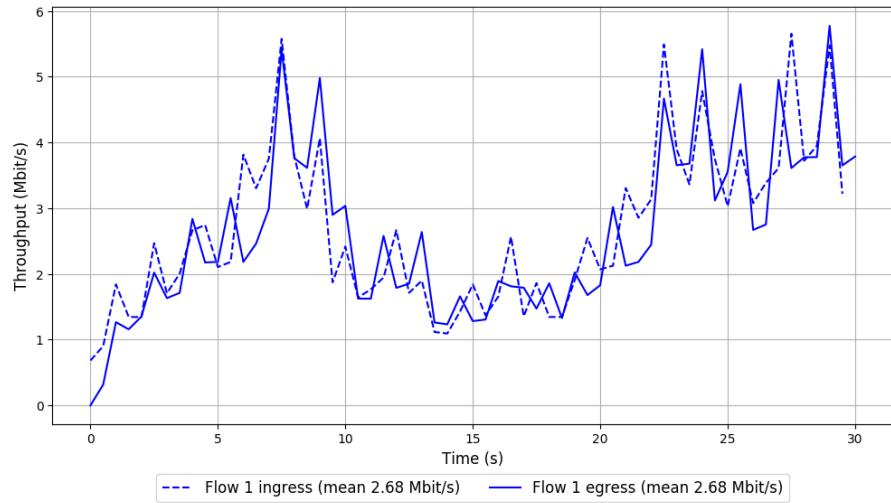


Run 5: Statistics of Sprout

```
Start at: 2019-02-12 01:15:47
End at: 2019-02-12 01:16:17
Local clock offset: 0.442 ms
Remote clock offset: -34.51 ms

# Below is generated by plot.py at 2019-02-12 02:16:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.68 Mbit/s
95th percentile per-packet one-way delay: 128.175 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 2.68 Mbit/s
95th percentile per-packet one-way delay: 128.175 ms
Loss rate: 0.79%
```

## Run 5: Report of Sprout — Data Link

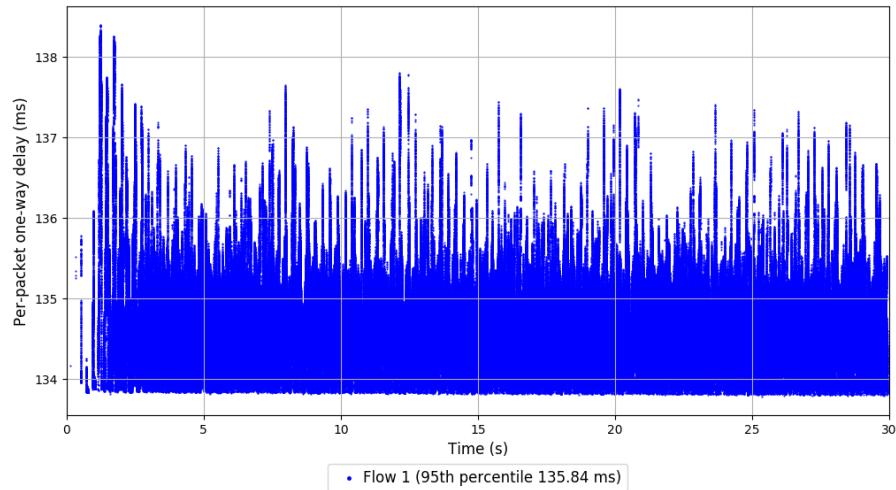
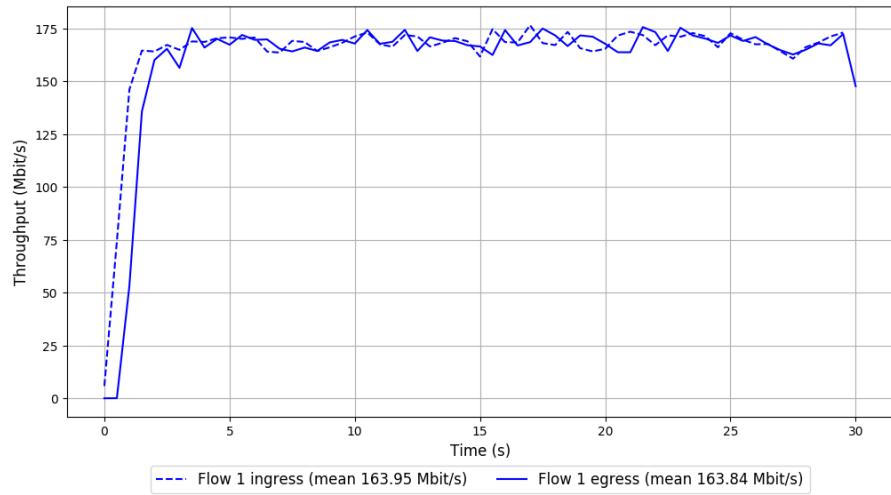


Run 1: Statistics of TaoVA-100x

```
Start at: 2019-02-11 22:50:13
End at: 2019-02-11 22:50:43
Local clock offset: -0.259 ms
Remote clock offset: -39.113 ms

# Below is generated by plot.py at 2019-02-12 02:18:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 163.84 Mbit/s
95th percentile per-packet one-way delay: 135.843 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 163.84 Mbit/s
95th percentile per-packet one-way delay: 135.843 ms
Loss rate: 0.72%
```

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

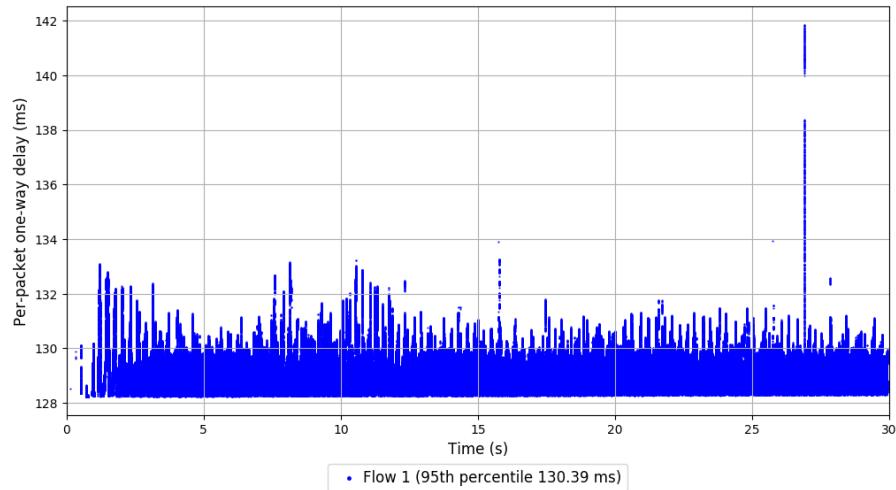
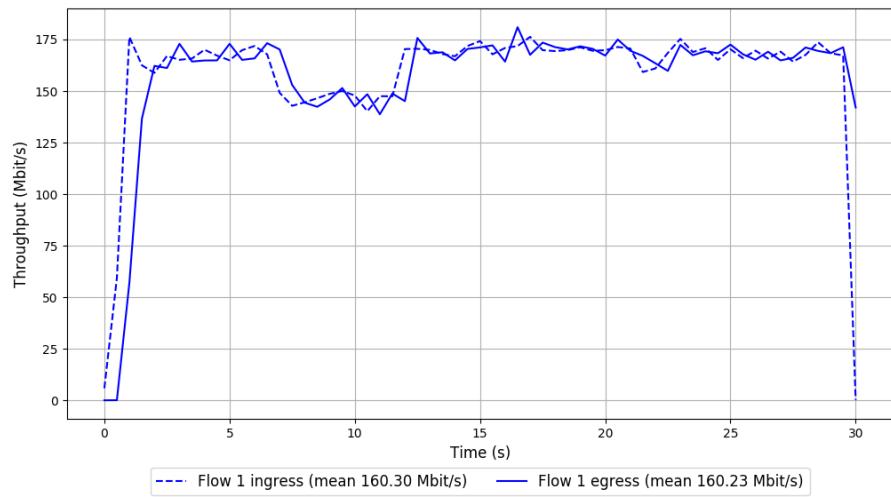


Run 2: Statistics of TaoVA-100x

```
Start at: 2019-02-11 23:35:35
End at: 2019-02-11 23:36:05
Local clock offset: 0.537 ms
Remote clock offset: -31.323 ms

# Below is generated by plot.py at 2019-02-12 02:18:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 160.23 Mbit/s
95th percentile per-packet one-way delay: 130.394 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 160.23 Mbit/s
95th percentile per-packet one-way delay: 130.394 ms
Loss rate: 0.70%
```

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

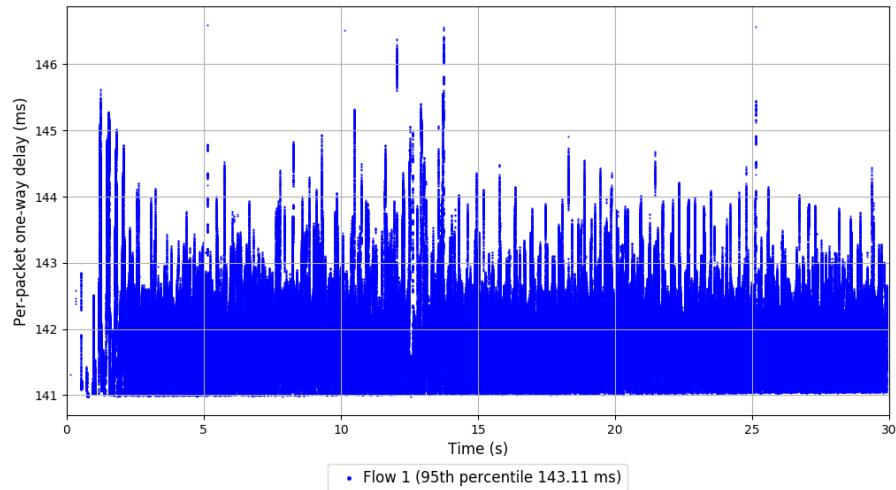
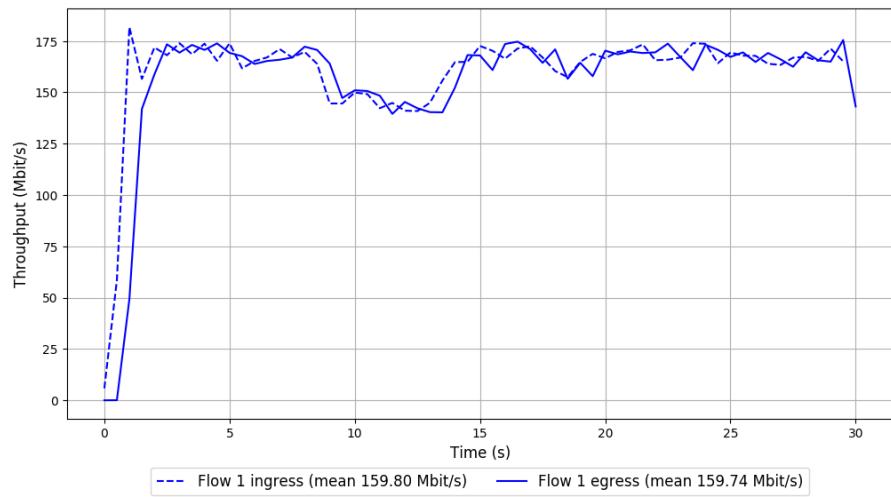


Run 3: Statistics of TaoVA-100x

```
Start at: 2019-02-12 00:09:42
End at: 2019-02-12 00:10:12
Local clock offset: -0.594 ms
Remote clock offset: -41.244 ms

# Below is generated by plot.py at 2019-02-12 02:18:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 159.74 Mbit/s
95th percentile per-packet one-way delay: 143.107 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 159.74 Mbit/s
95th percentile per-packet one-way delay: 143.107 ms
Loss rate: 0.69%
```

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

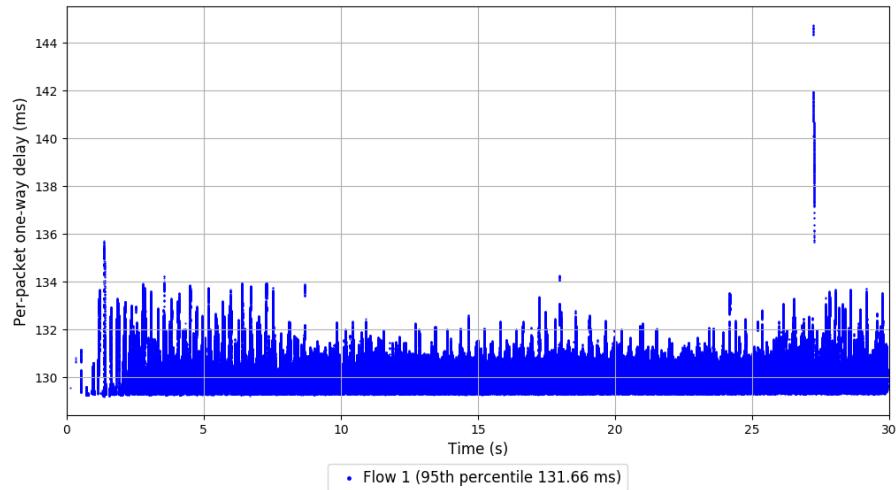
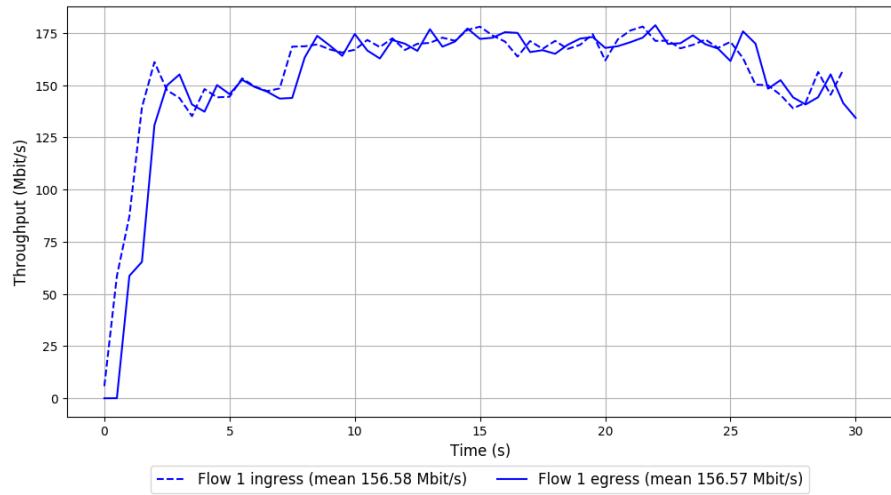


Run 4: Statistics of TaoVA-100x

```
Start at: 2019-02-12 00:49:37
End at: 2019-02-12 00:50:07
Local clock offset: -1.965 ms
Remote clock offset: -29.902 ms

# Below is generated by plot.py at 2019-02-12 02:18:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 156.57 Mbit/s
95th percentile per-packet one-way delay: 131.658 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 156.57 Mbit/s
95th percentile per-packet one-way delay: 131.658 ms
Loss rate: 0.67%
```

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

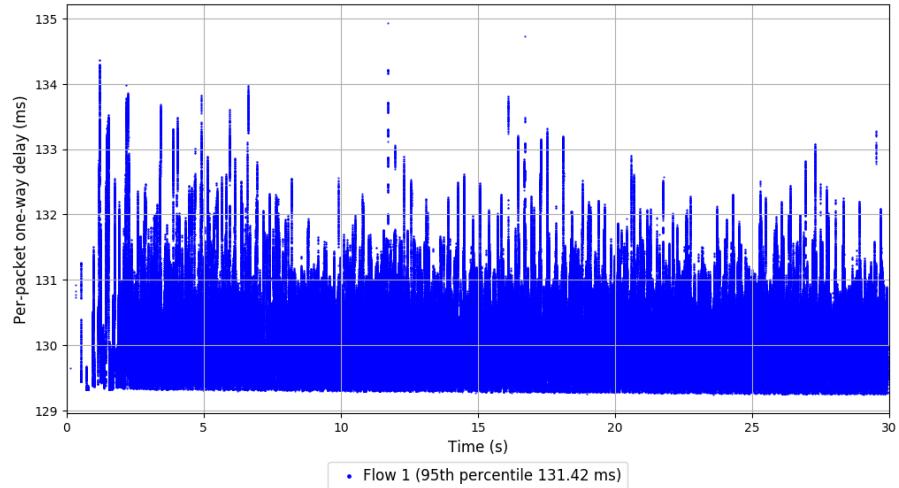
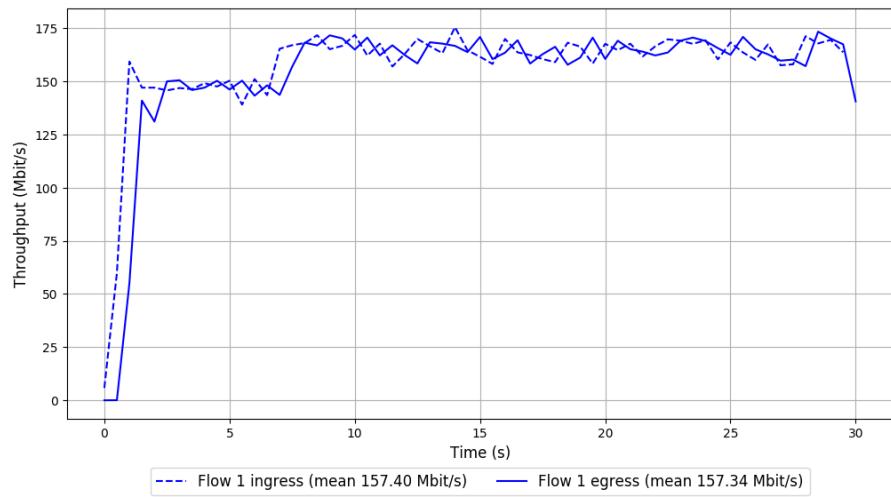


Run 5: Statistics of TaoVA-100x

```
Start at: 2019-02-12 01:23:23
End at: 2019-02-12 01:23:53
Local clock offset: -1.136 ms
Remote clock offset: -38.951 ms

# Below is generated by plot.py at 2019-02-12 02:18:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 157.34 Mbit/s
95th percentile per-packet one-way delay: 131.421 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 157.34 Mbit/s
95th percentile per-packet one-way delay: 131.421 ms
Loss rate: 0.70%
```

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

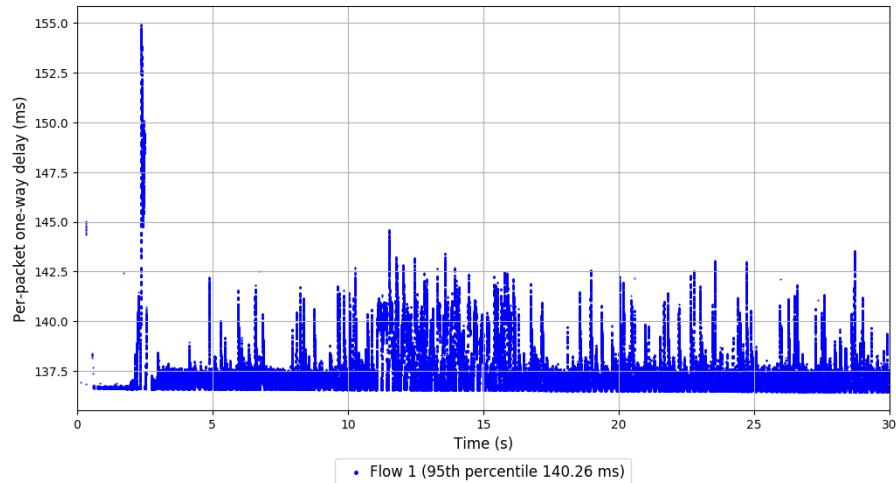
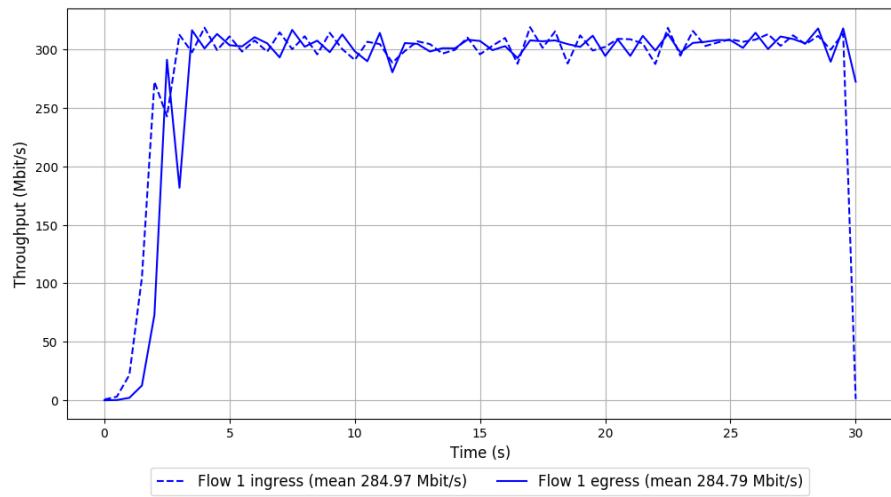


Run 1: Statistics of TCP Vegas

```
Start at: 2019-02-11 22:41:03
End at: 2019-02-11 22:41:33
Local clock offset: -1.13 ms
Remote clock offset: -40.878 ms

# Below is generated by plot.py at 2019-02-12 02:18:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 284.79 Mbit/s
95th percentile per-packet one-way delay: 140.264 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 284.79 Mbit/s
95th percentile per-packet one-way delay: 140.264 ms
Loss rate: 0.72%
```

Run 1: Report of TCP Vegas — Data Link

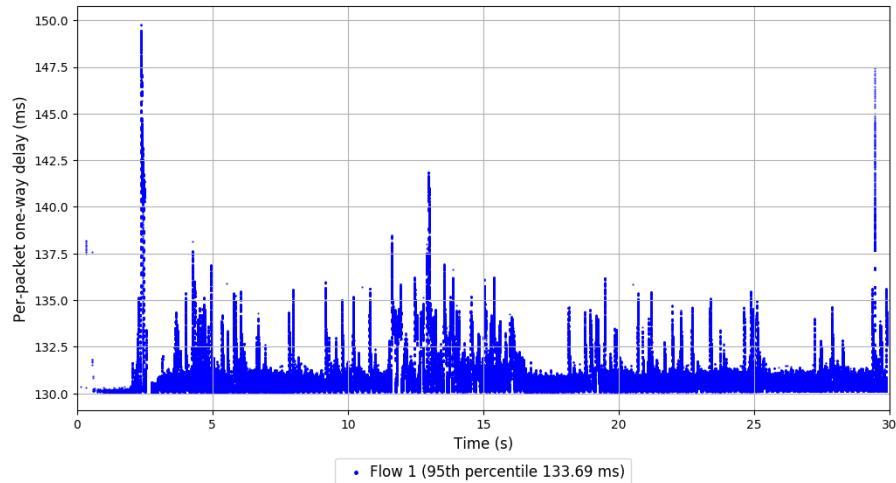
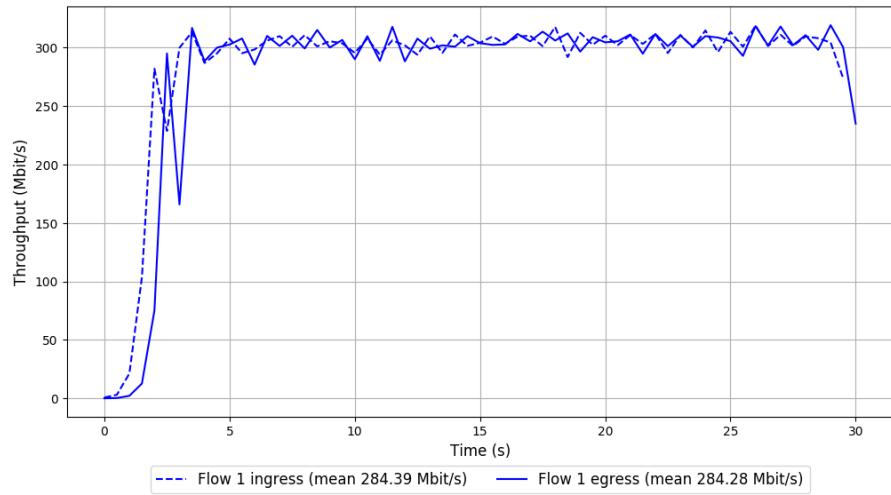


Run 2: Statistics of TCP Vegas

```
Start at: 2019-02-11 23:31:53
End at: 2019-02-11 23:32:23
Local clock offset: -0.336 ms
Remote clock offset: -33.806 ms

# Below is generated by plot.py at 2019-02-12 02:18:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 284.28 Mbit/s
95th percentile per-packet one-way delay: 133.685 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 284.28 Mbit/s
95th percentile per-packet one-way delay: 133.685 ms
Loss rate: 0.69%
```

Run 2: Report of TCP Vegas — Data Link

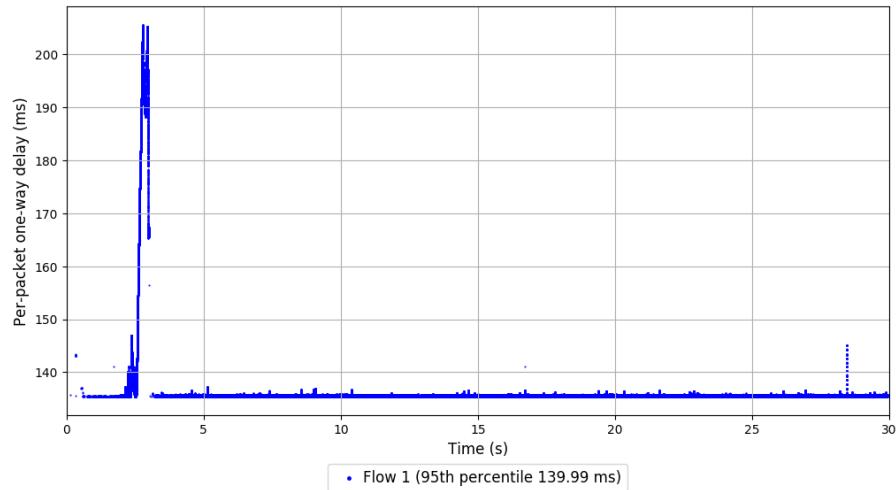
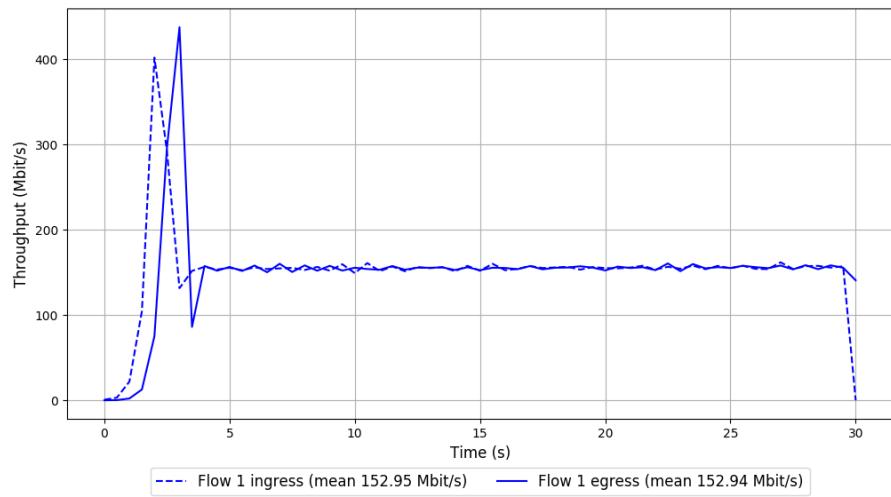


Run 3: Statistics of TCP Vegas

```
Start at: 2019-02-12 00:06:04
End at: 2019-02-12 00:06:34
Local clock offset: 0.129 ms
Remote clock offset: -35.351 ms

# Below is generated by plot.py at 2019-02-12 02:18:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 152.94 Mbit/s
95th percentile per-packet one-way delay: 139.990 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 152.94 Mbit/s
95th percentile per-packet one-way delay: 139.990 ms
Loss rate: 0.66%
```

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

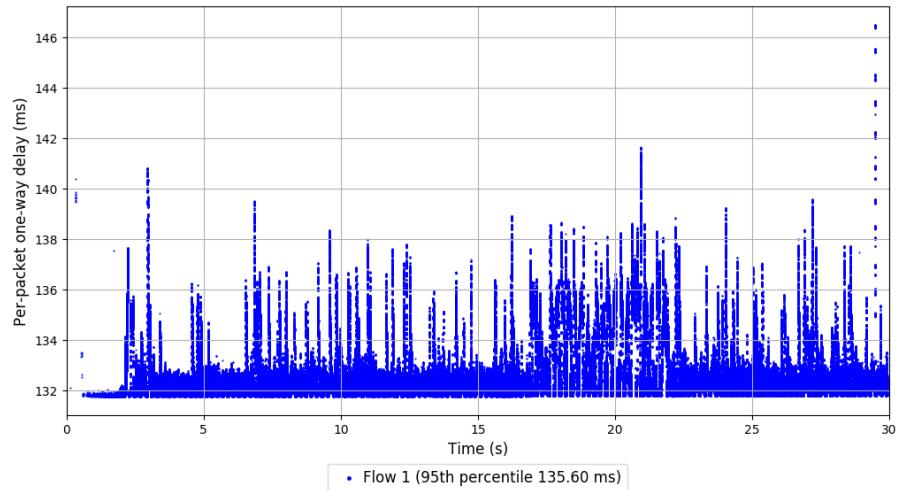
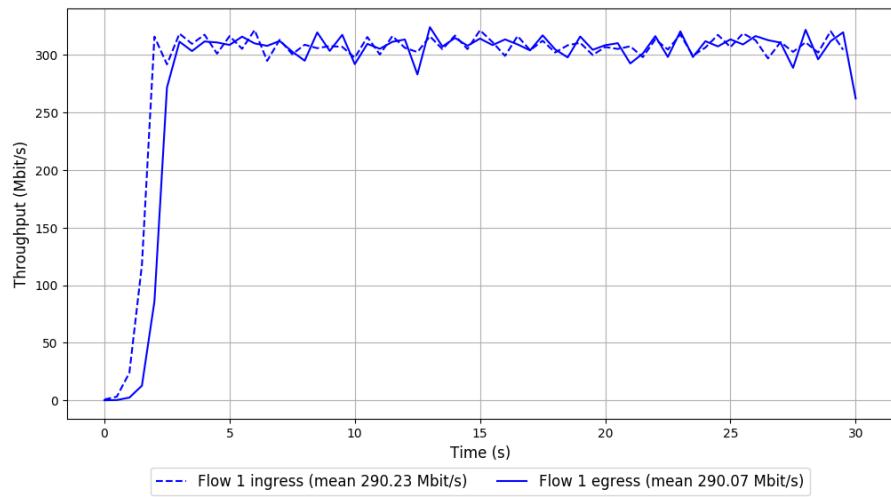


Run 4: Statistics of TCP Vegas

```
Start at: 2019-02-12 00:45:55
End at: 2019-02-12 00:46:25
Local clock offset: -2.351 ms
Remote clock offset: -31.209 ms

# Below is generated by plot.py at 2019-02-12 02:20:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 290.07 Mbit/s
95th percentile per-packet one-way delay: 135.596 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 290.07 Mbit/s
95th percentile per-packet one-way delay: 135.596 ms
Loss rate: 0.70%
```

Run 4: Report of TCP Vegas — Data Link

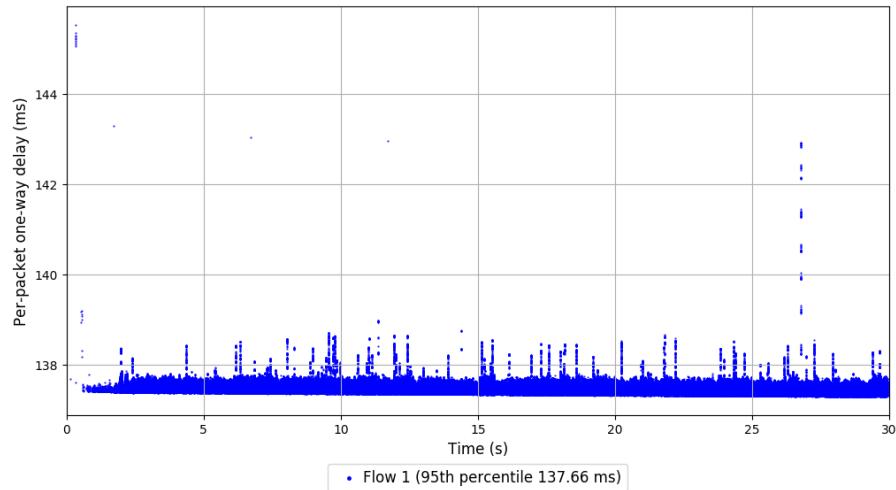
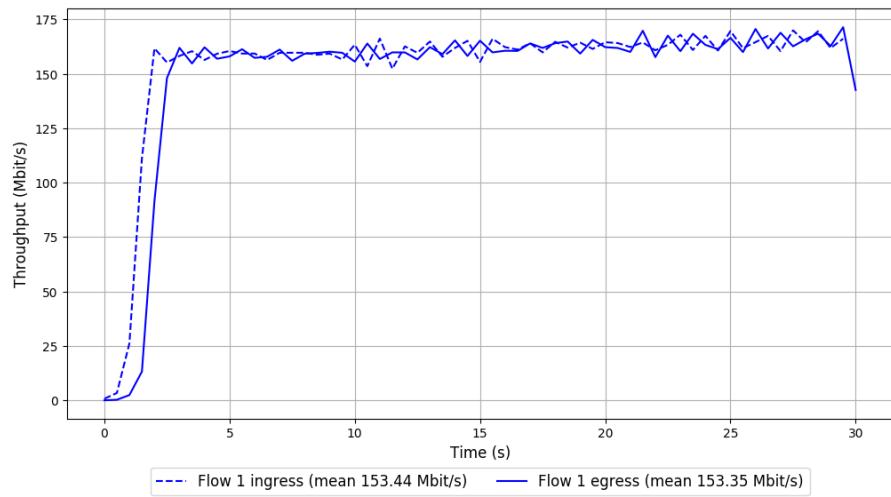


Run 5: Statistics of TCP Vegas

```
Start at: 2019-02-12 01:19:46
End at: 2019-02-12 01:20:16
Local clock offset: 0.118 ms
Remote clock offset: -46.737 ms

# Below is generated by plot.py at 2019-02-12 02:20:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 153.35 Mbit/s
95th percentile per-packet one-way delay: 137.659 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 153.35 Mbit/s
95th percentile per-packet one-way delay: 137.659 ms
Loss rate: 0.70%
```

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

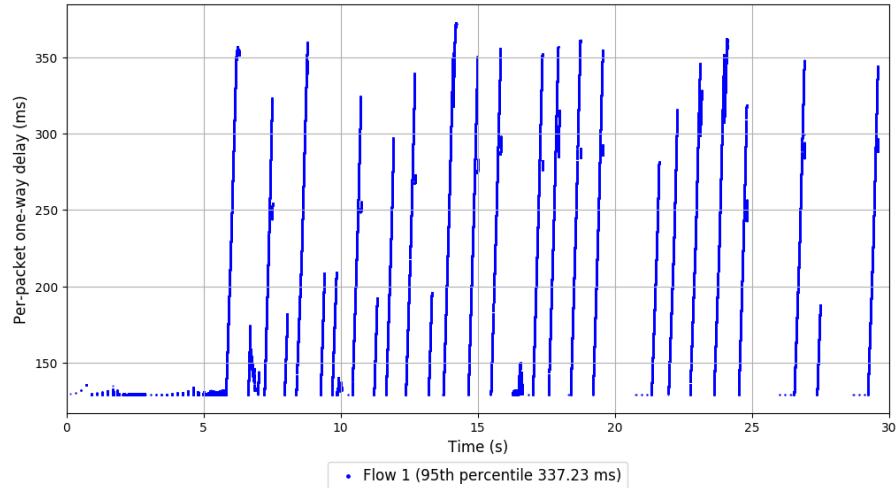
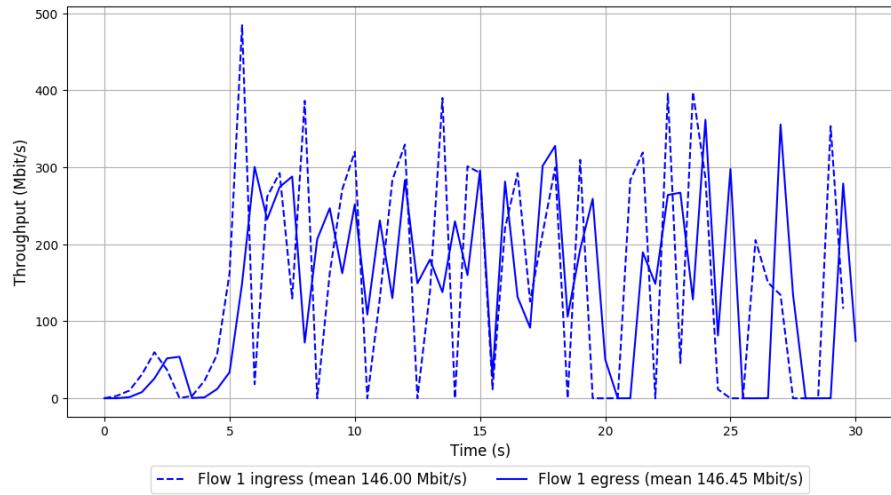


Run 1: Statistics of Verus

```
Start at: 2019-02-11 22:32:59
End at: 2019-02-11 22:33:29
Local clock offset: -4.434 ms
Remote clock offset: -35.391 ms

# Below is generated by plot.py at 2019-02-12 02:20:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 146.45 Mbit/s
95th percentile per-packet one-way delay: 337.234 ms
Loss rate: 1.37%
-- Flow 1:
Average throughput: 146.45 Mbit/s
95th percentile per-packet one-way delay: 337.234 ms
Loss rate: 1.37%
```

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

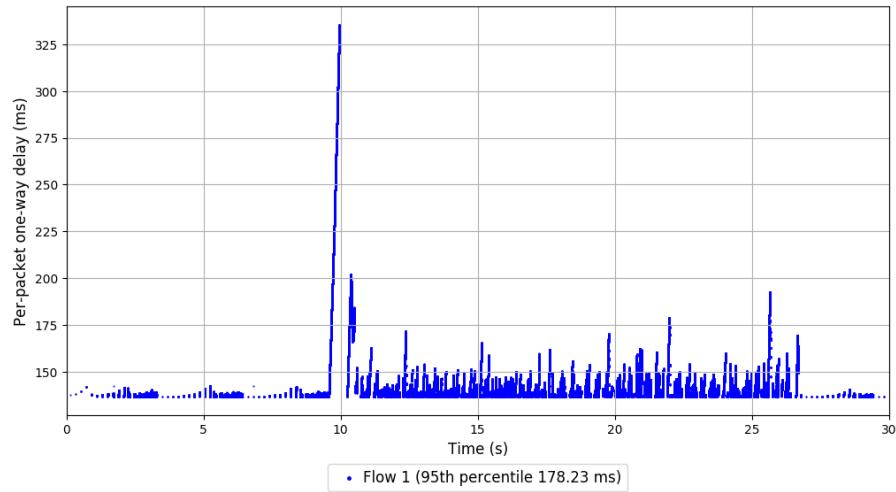
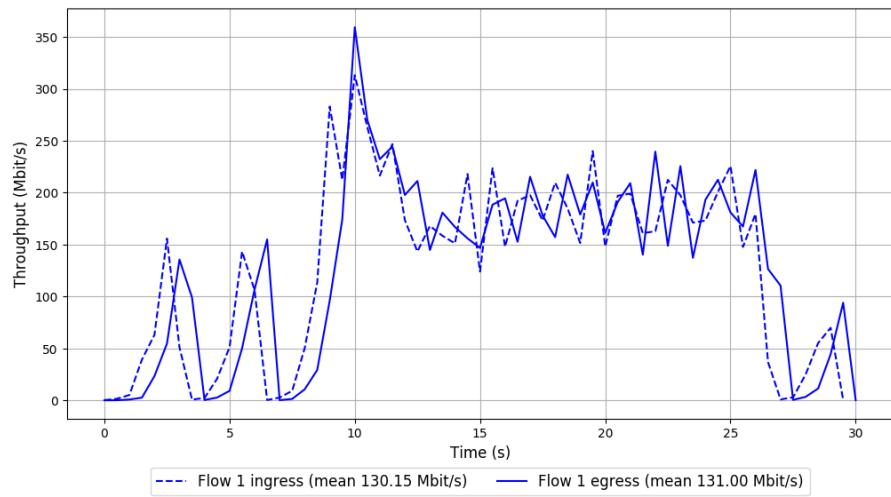


Run 2: Statistics of Verus

```
Start at: 2019-02-11 23:18:05
End at: 2019-02-11 23:18:35
Local clock offset: 1.717 ms
Remote clock offset: -40.775 ms

# Below is generated by plot.py at 2019-02-12 02:20:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 131.00 Mbit/s
95th percentile per-packet one-way delay: 178.234 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 131.00 Mbit/s
95th percentile per-packet one-way delay: 178.234 ms
Loss rate: 0.01%
```

## Run 2: Report of Verus — Data Link

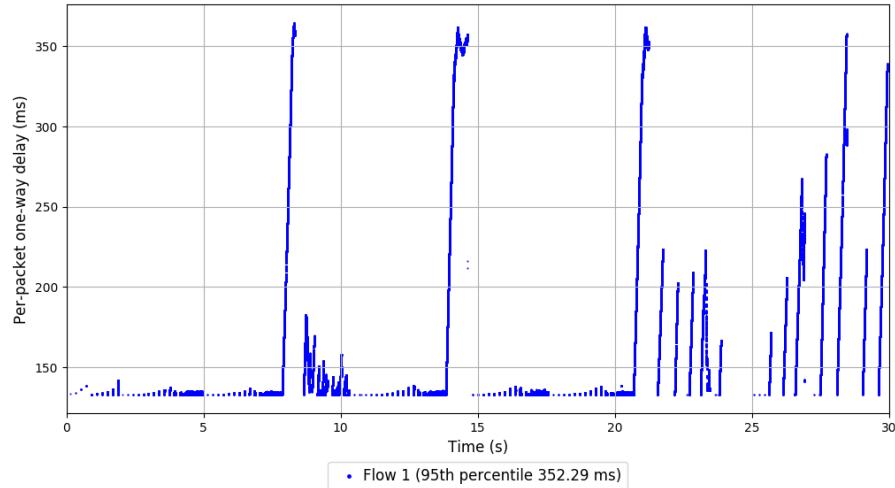
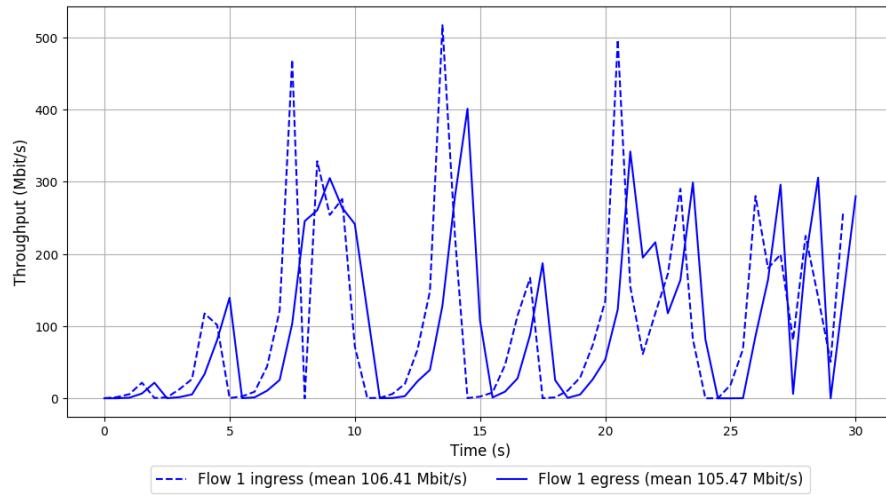


Run 3: Statistics of Verus

```
Start at: 2019-02-11 23:57:57
End at: 2019-02-11 23:58:27
Local clock offset: -0.005 ms
Remote clock offset: -35.296 ms

# Below is generated by plot.py at 2019-02-12 02:20:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.47 Mbit/s
95th percentile per-packet one-way delay: 352.292 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 105.47 Mbit/s
95th percentile per-packet one-way delay: 352.292 ms
Loss rate: 0.48%
```

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

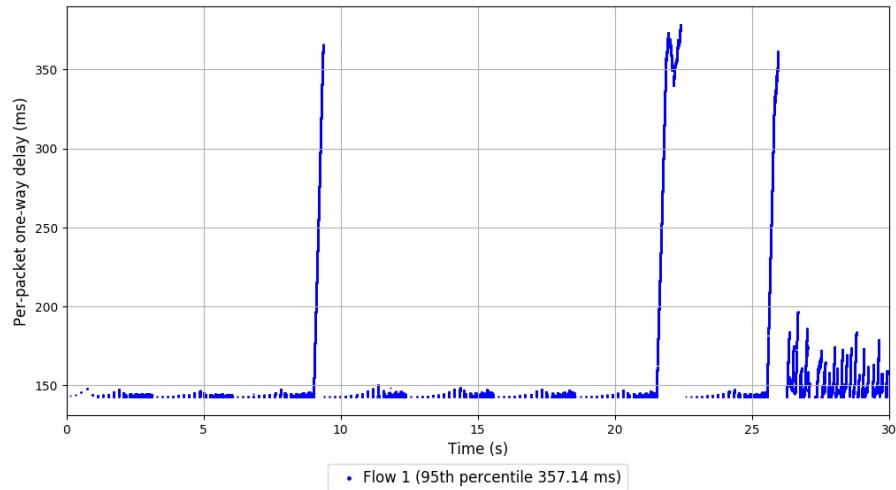
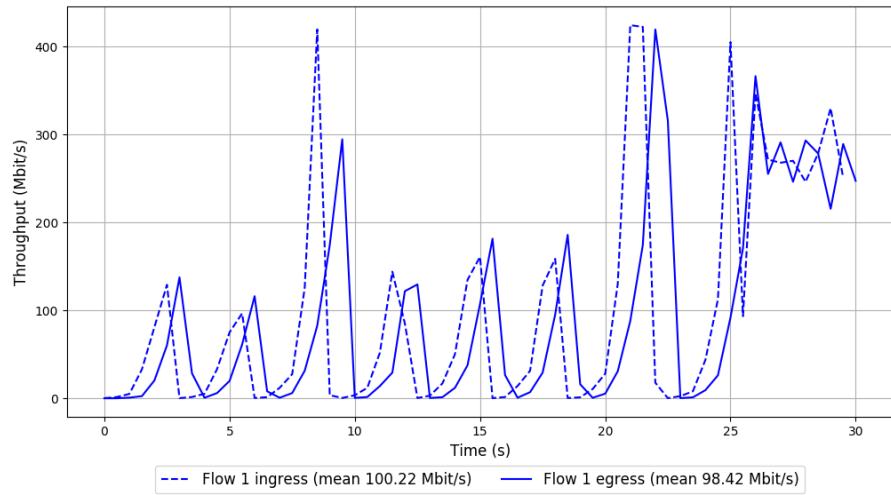


Run 4: Statistics of Verus

```
Start at: 2019-02-12 00:37:52
End at: 2019-02-12 00:38:22
Local clock offset: 1.076 ms
Remote clock offset: -39.639 ms

# Below is generated by plot.py at 2019-02-12 02:20:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 98.42 Mbit/s
95th percentile per-packet one-way delay: 357.144 ms
Loss rate: 2.44%
-- Flow 1:
Average throughput: 98.42 Mbit/s
95th percentile per-packet one-way delay: 357.144 ms
Loss rate: 2.44%
```

## Run 4: Report of Verus — Data Link

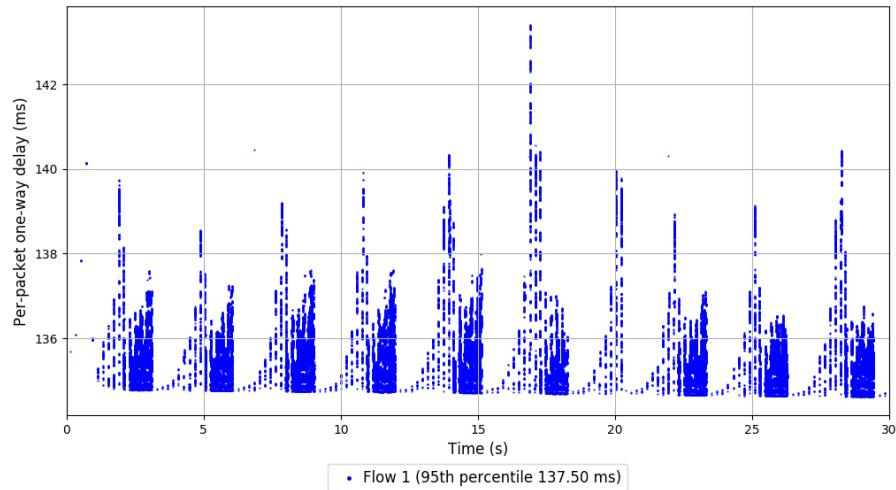
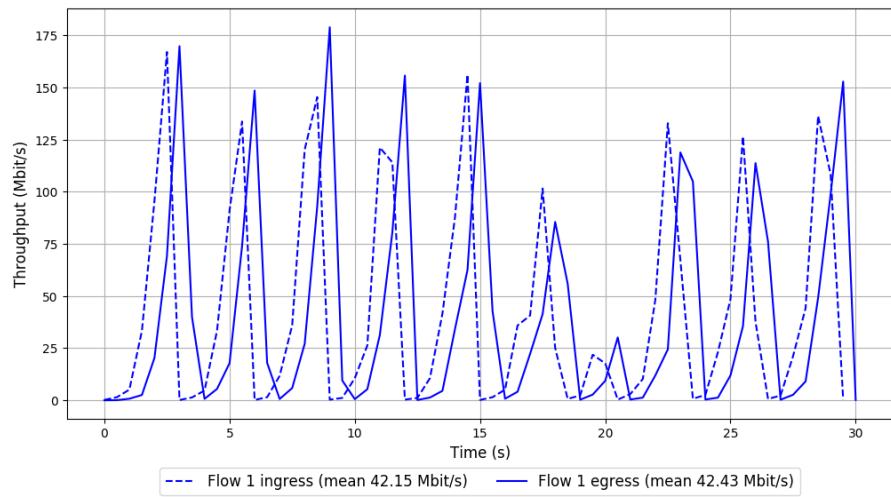


Run 5: Statistics of Verus

```
Start at: 2019-02-12 01:11:43
End at: 2019-02-12 01:12:13
Local clock offset: 1.629 ms
Remote clock offset: -39.267 ms

# Below is generated by plot.py at 2019-02-12 02:20:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 42.43 Mbit/s
95th percentile per-packet one-way delay: 137.497 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 42.43 Mbit/s
95th percentile per-packet one-way delay: 137.497 ms
Loss rate: 0.01%
```

Run 5: Report of Verus — Data Link

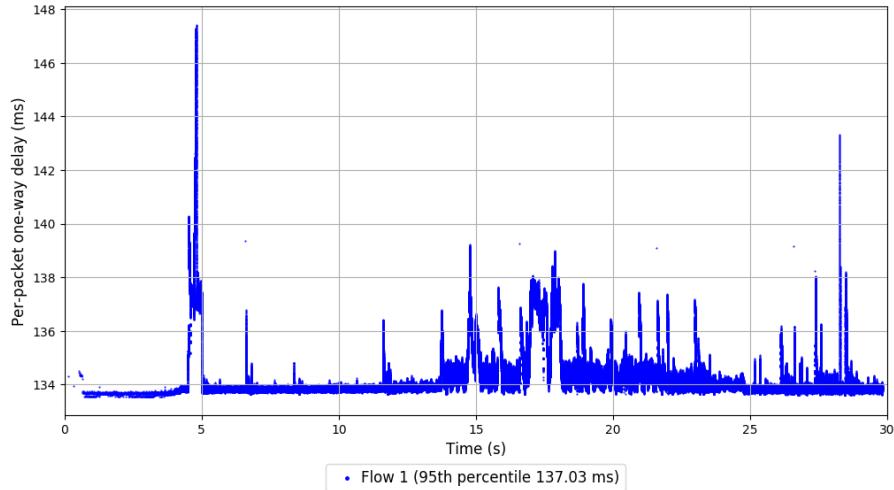
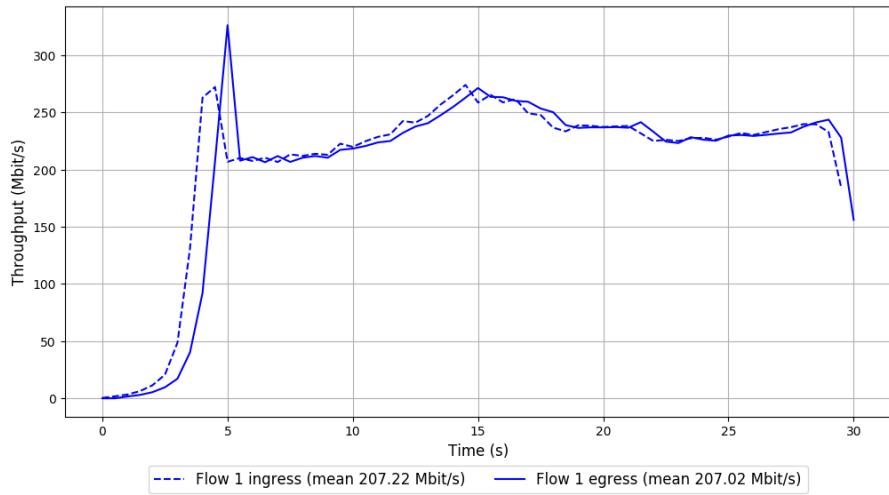


```
Run 1: Statistics of PCC-Vivace

Start at: 2019-02-11 22:35:42
End at: 2019-02-11 22:36:12
Local clock offset: -1.265 ms
Remote clock offset: -36.958 ms

# Below is generated by plot.py at 2019-02-12 02:20:45
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.02 Mbit/s
95th percentile per-packet one-way delay: 137.030 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 207.02 Mbit/s
95th percentile per-packet one-way delay: 137.030 ms
Loss rate: 0.75%
```

Run 1: Report of PCC-Vivace — Data Link

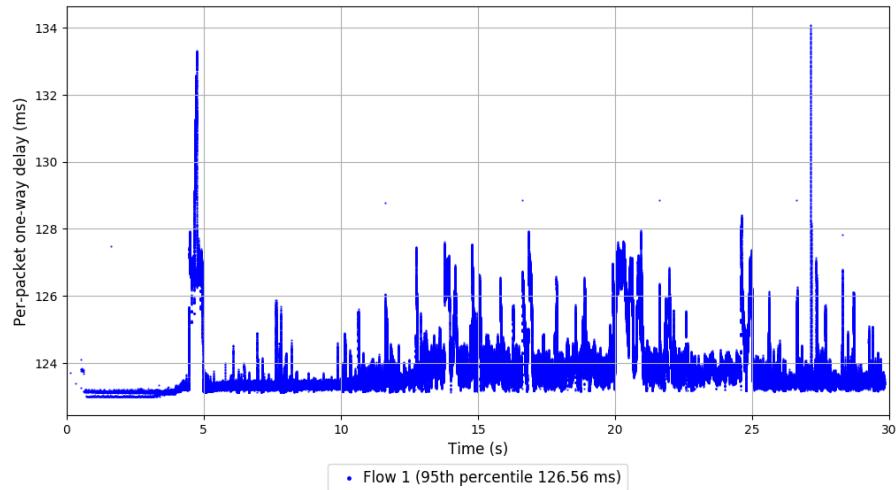
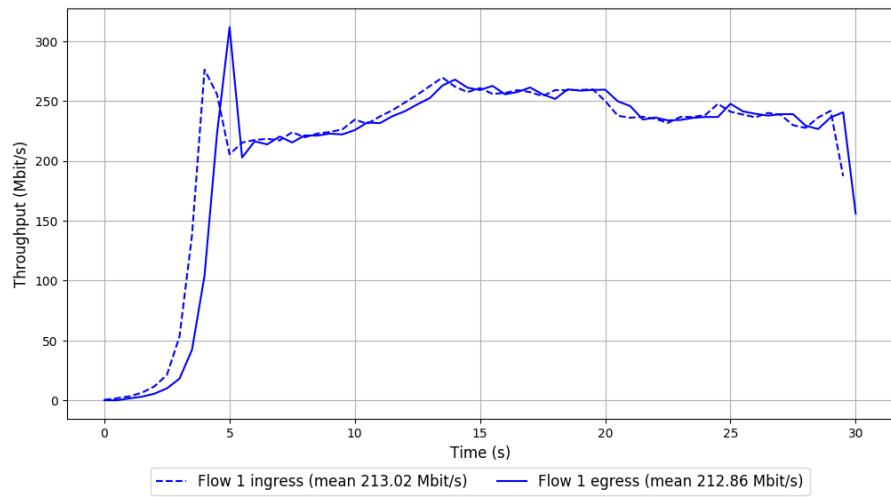


Run 2: Statistics of PCC-Vivace

```
Start at: 2019-02-11 23:20:49
End at: 2019-02-11 23:21:19
Local clock offset: -0.871 ms
Remote clock offset: -29.776 ms

# Below is generated by plot.py at 2019-02-12 02:21:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 212.86 Mbit/s
95th percentile per-packet one-way delay: 126.564 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 212.86 Mbit/s
95th percentile per-packet one-way delay: 126.564 ms
Loss rate: 0.73%
```

Run 2: Report of PCC-Vivace — Data Link

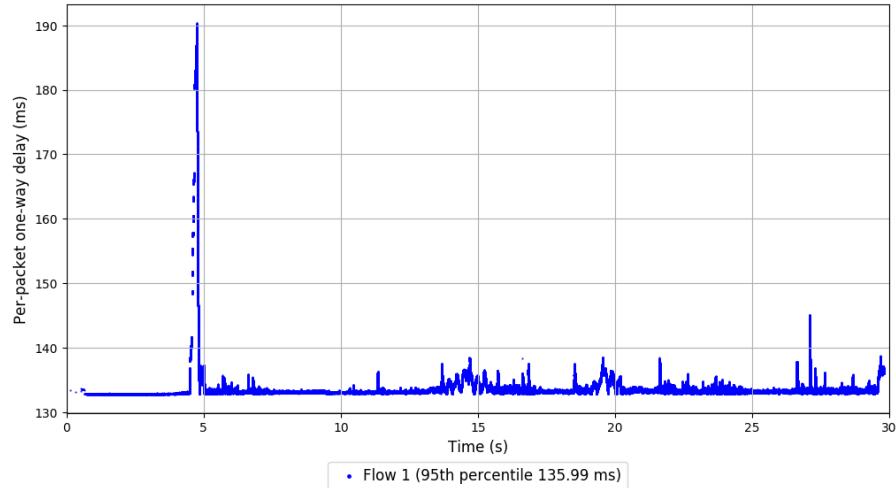
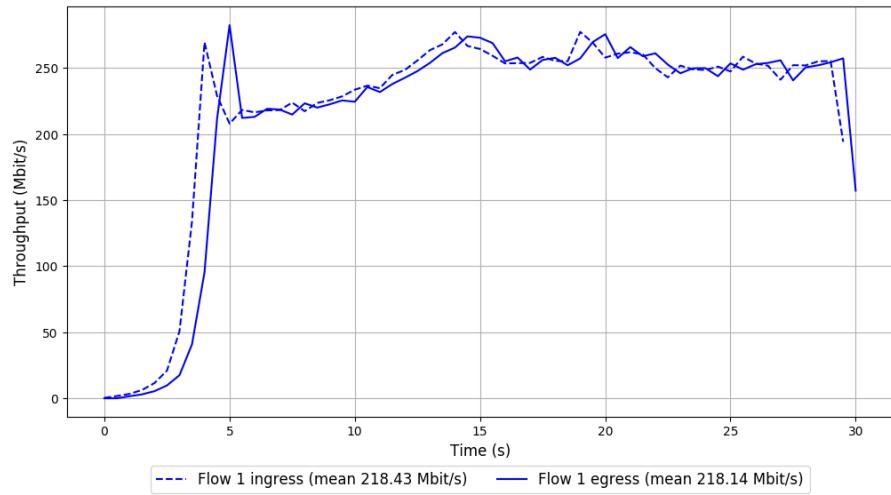


Run 3: Statistics of PCC-Vivace

```
Start at: 2019-02-12 00:00:39
End at: 2019-02-12 00:01:09
Local clock offset: -1.316 ms
Remote clock offset: -35.414 ms

# Below is generated by plot.py at 2019-02-12 02:21:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.14 Mbit/s
95th percentile per-packet one-way delay: 135.989 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 218.14 Mbit/s
95th percentile per-packet one-way delay: 135.989 ms
Loss rate: 0.80%
```

Run 3: Report of PCC-Vivace — Data Link

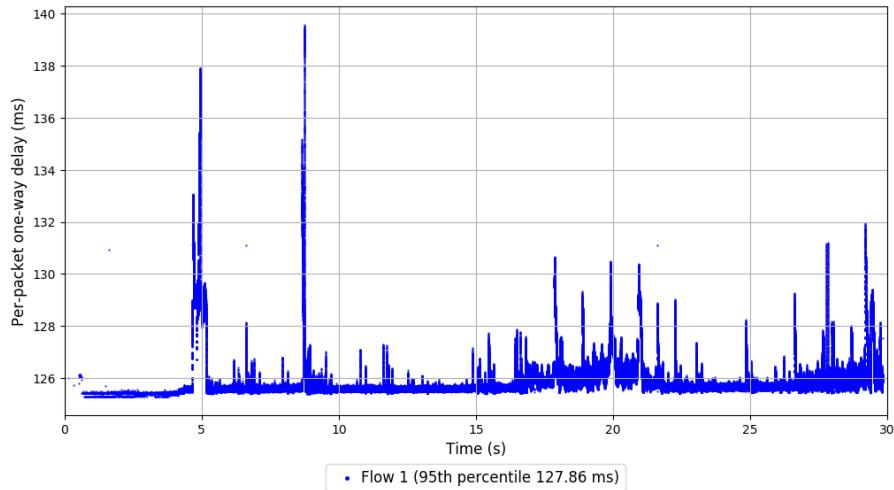
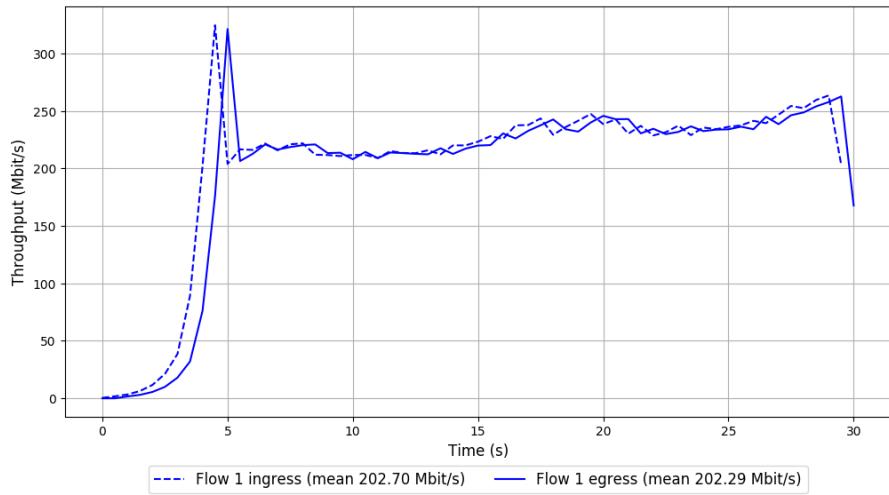


Run 4: Statistics of PCC-Vivace

```
Start at: 2019-02-12 00:40:34
End at: 2019-02-12 00:41:04
Local clock offset: -1.893 ms
Remote clock offset: -26.502 ms

# Below is generated by plot.py at 2019-02-12 02:21:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.29 Mbit/s
95th percentile per-packet one-way delay: 127.856 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 202.29 Mbit/s
95th percentile per-packet one-way delay: 127.856 ms
Loss rate: 0.85%
```

Run 4: Report of PCC-Vivace — Data Link

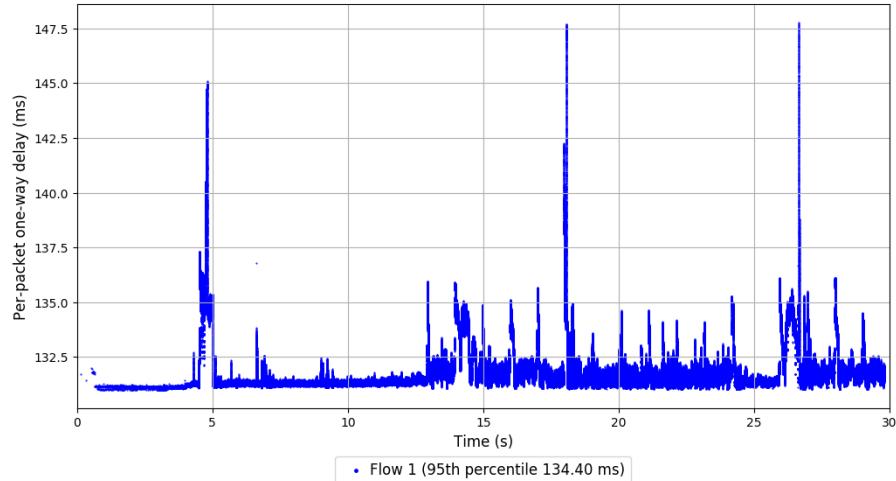
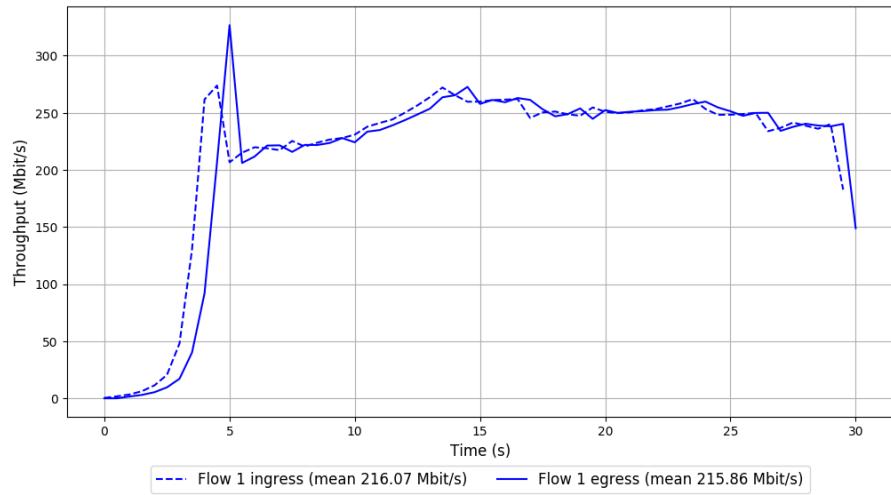


Run 5: Statistics of PCC-Vivace

```
Start at: 2019-02-12 01:14:23
End at: 2019-02-12 01:14:53
Local clock offset: -1.119 ms
Remote clock offset: -38.709 ms

# Below is generated by plot.py at 2019-02-12 02:21:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.86 Mbit/s
95th percentile per-packet one-way delay: 134.403 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 215.86 Mbit/s
95th percentile per-packet one-way delay: 134.403 ms
Loss rate: 0.75%
```

Run 5: Report of PCC-Vivace — Data Link

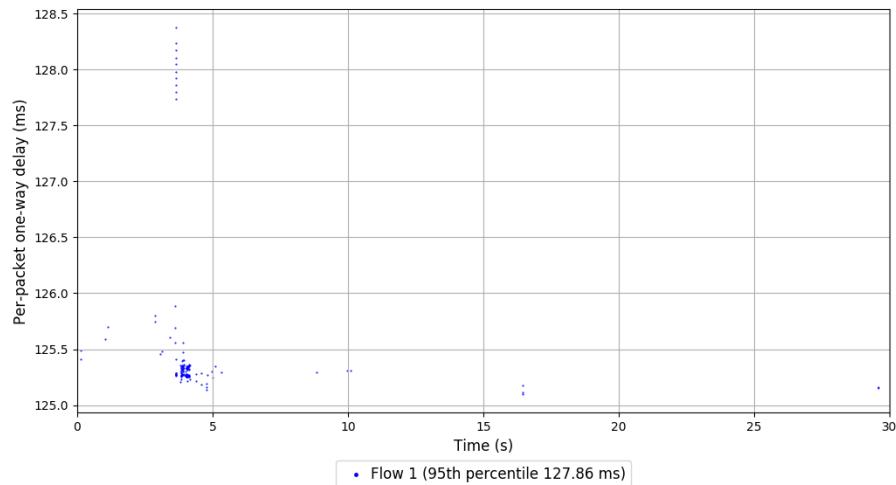
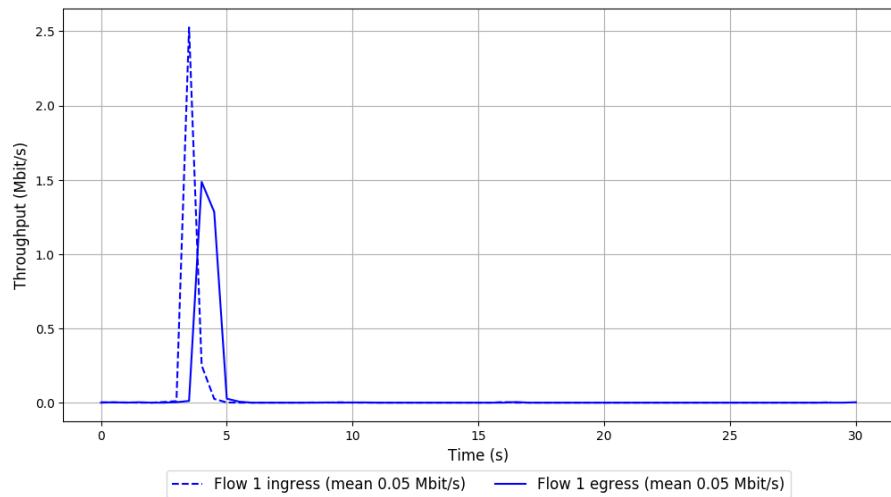


Run 1: Statistics of WebRTC media

```
Start at: 2019-02-11 22:49:04
End at: 2019-02-11 22:49:34
Local clock offset: 0.304 ms
Remote clock offset: -31.555 ms

# Below is generated by plot.py at 2019-02-12 02:21:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 127.858 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 127.858 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

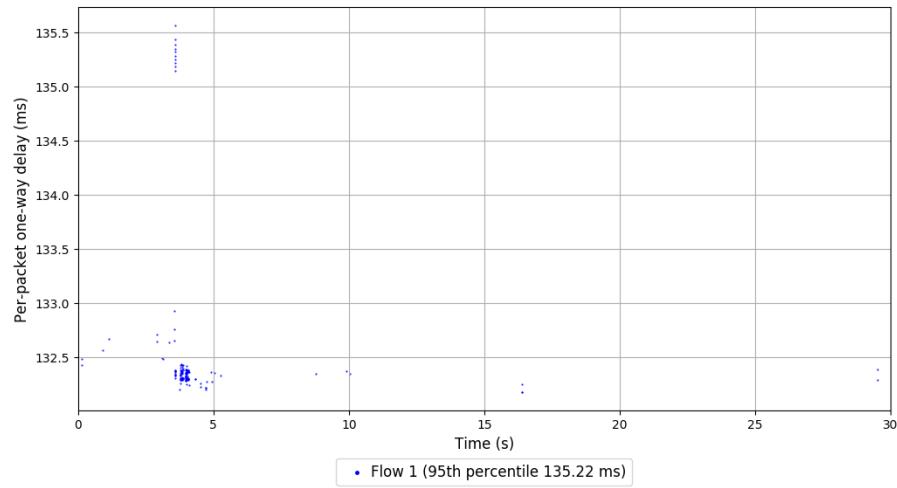
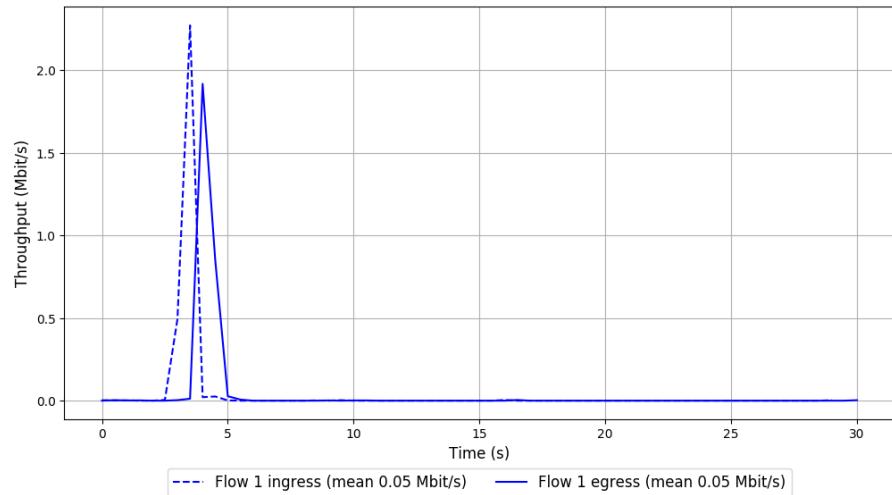


Run 2: Statistics of WebRTC media

```
Start at: 2019-02-11 23:34:26
End at: 2019-02-11 23:34:56
Local clock offset: 0.807 ms
Remote clock offset: -36.396 ms

# Below is generated by plot.py at 2019-02-12 02:21:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 135.216 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 135.216 ms
Loss rate: 0.00%
```

Run 2: Report of WebRTC media — Data Link

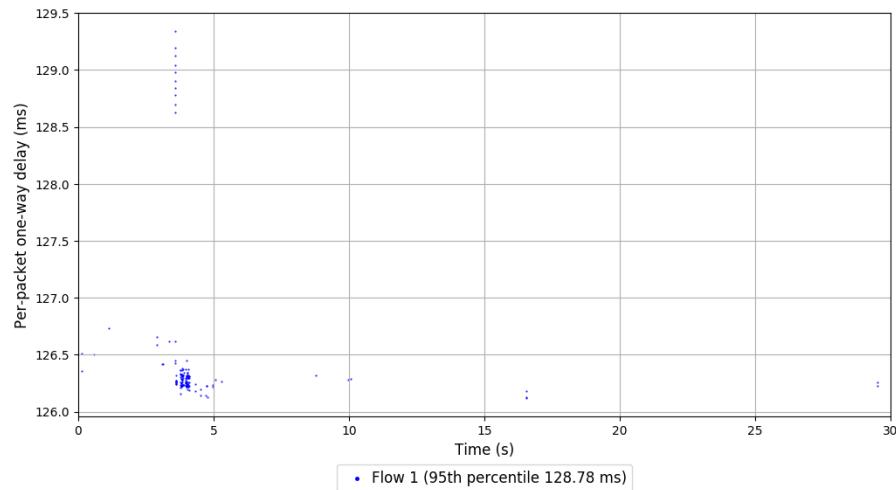
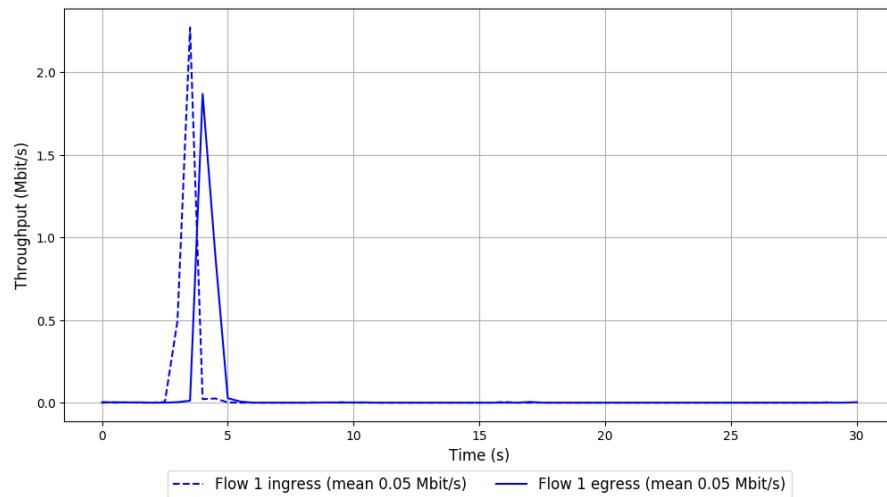


Run 3: Statistics of WebRTC media

```
Start at: 2019-02-12 00:08:32
End at: 2019-02-12 00:09:02
Local clock offset: -1.515 ms
Remote clock offset: -27.499 ms

# Below is generated by plot.py at 2019-02-12 02:21:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 128.777 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 128.777 ms
Loss rate: 0.00%
```

Run 3: Report of WebRTC media — Data Link

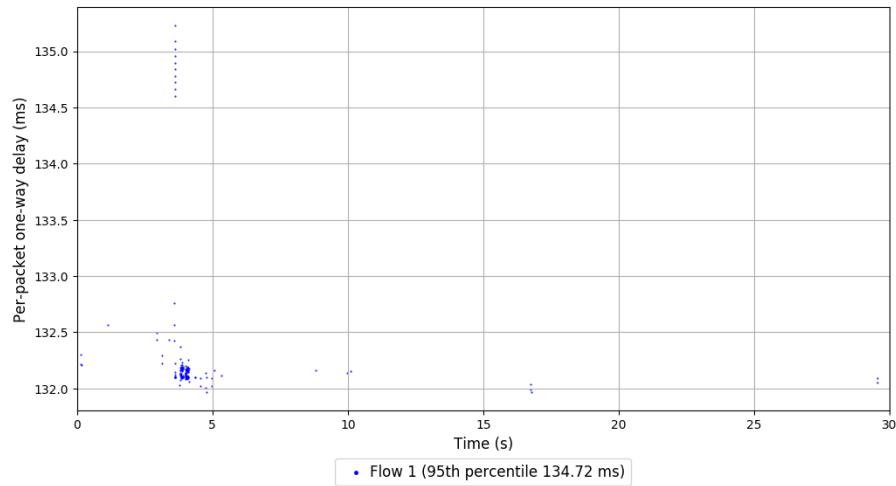
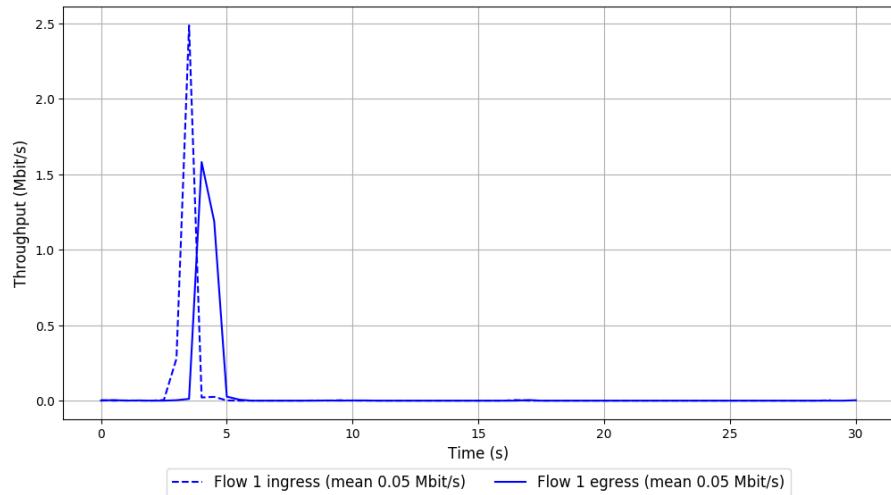


Run 4: Statistics of WebRTC media

```
Start at: 2019-02-12 00:48:28
End at: 2019-02-12 00:48:58
Local clock offset: -3.153 ms
Remote clock offset: -32.69 ms

# Below is generated by plot.py at 2019-02-12 02:21:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 134.721 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 134.721 ms
Loss rate: 0.00%
```

#### Run 4: Report of WebRTC media — Data Link



Run 5: Statistics of WebRTC media

```
Start at: 2019-02-12 01:22:13
End at: 2019-02-12 01:22:43
Local clock offset: 0.22 ms
Remote clock offset: -43.227 ms

# Below is generated by plot.py at 2019-02-12 02:21:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 137.449 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.05 Mbit/s
95th percentile per-packet one-way delay: 137.449 ms
Loss rate: 0.00%
```

Run 5: Report of WebRTC media — Data Link

