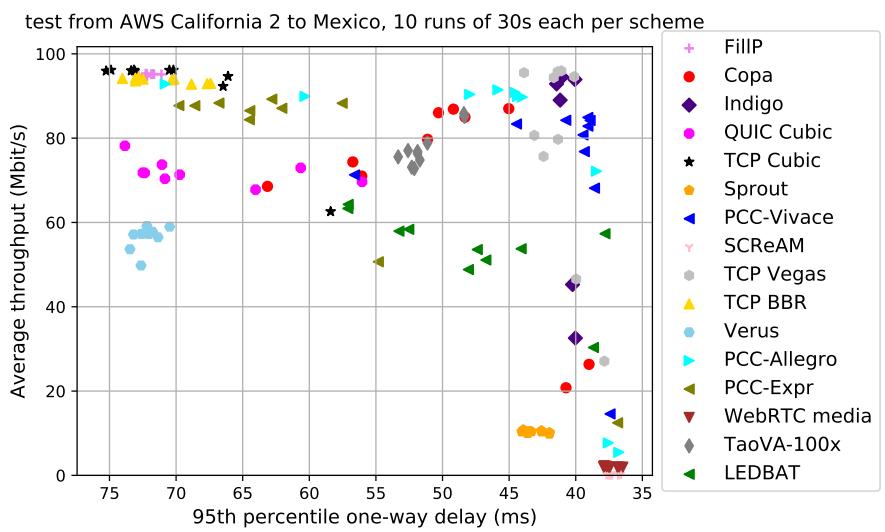
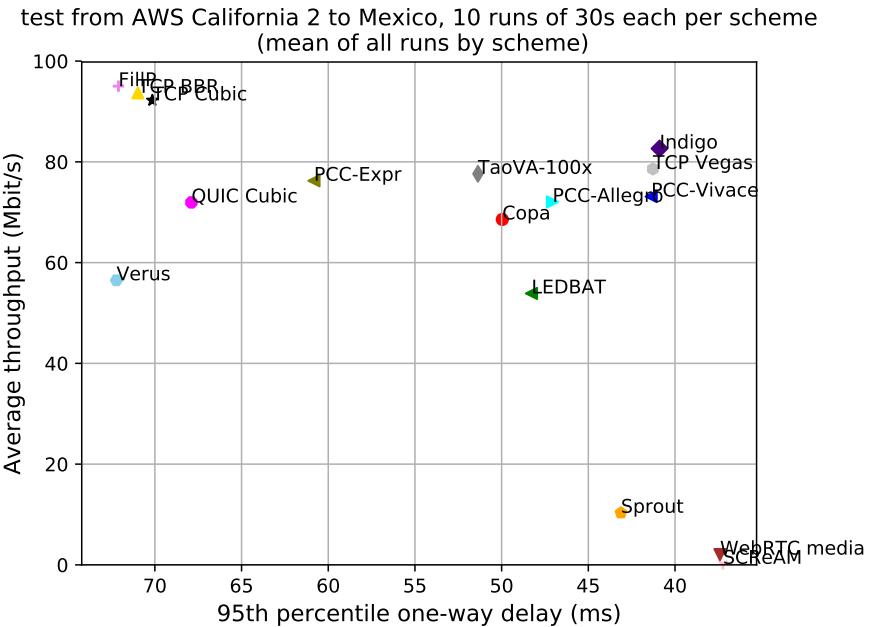


## Pantheon Report

Generated at 2018-06-29 17:10:48 (UTC).  
Data path: AWS California 2 Ethernet (*local*) → Mexico Ethernet (*remote*).  
Repeated the test of 17 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 1 flow.  
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).  
NTP offsets were measured against `time.stanford.edu` and have been applied to correct the timestamps in logs.

Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179aab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
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
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



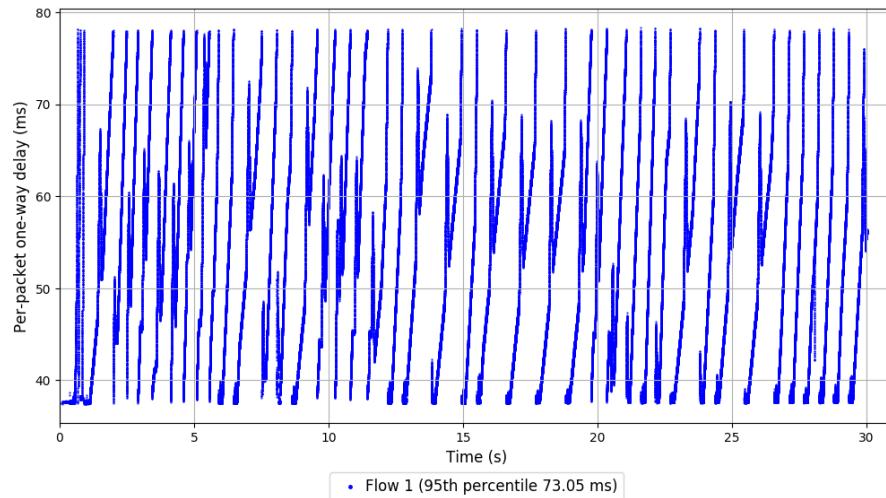
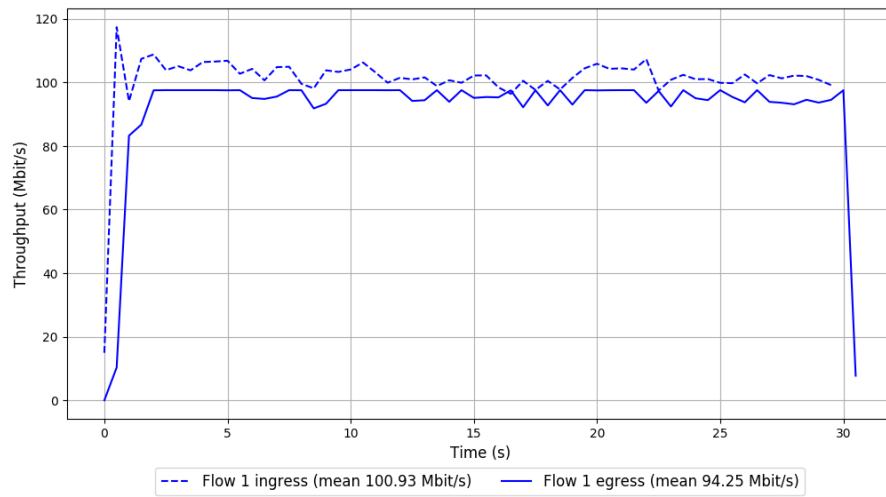
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	93.70	70.98	6.10
Copa	10	68.57	49.96	0.65
TCP Cubic	10	92.21	70.15	0.37
FillP	10	95.03	72.10	8.31
FillP-Sheep	0	N/A	N/A	N/A
Indigo	10	82.64	40.89	0.03
LEDBAT	10	53.88	48.28	0.03
PCC-Allegro	10	72.04	47.07	1.51
PCC-Expr	10	76.24	60.82	0.89
QUIC Cubic	9	71.95	67.89	2.71
SCReAM	10	0.22	37.23	0.03
Sprout	10	10.34	43.12	0.00
TaoVA-100x	10	77.63	51.37	0.02
TCP Vegas	10	78.59	41.28	0.22
Verus	10	56.49	72.22	26.55
PCC-Vivace	10	73.11	41.38	0.10
WebRTC media	10	2.04	37.41	0.04

Run 1: Statistics of TCP BBR

```
Start at: 2018-06-29 12:55:29
End at: 2018-06-29 12:55:59
Local clock offset: -5.159 ms
Remote clock offset: 6.071 ms

# Below is generated by plot.py at 2018-06-29 16:51:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.25 Mbit/s
95th percentile per-packet one-way delay: 73.050 ms
Loss rate: 6.56%
-- Flow 1:
Average throughput: 94.25 Mbit/s
95th percentile per-packet one-way delay: 73.050 ms
Loss rate: 6.56%
```

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

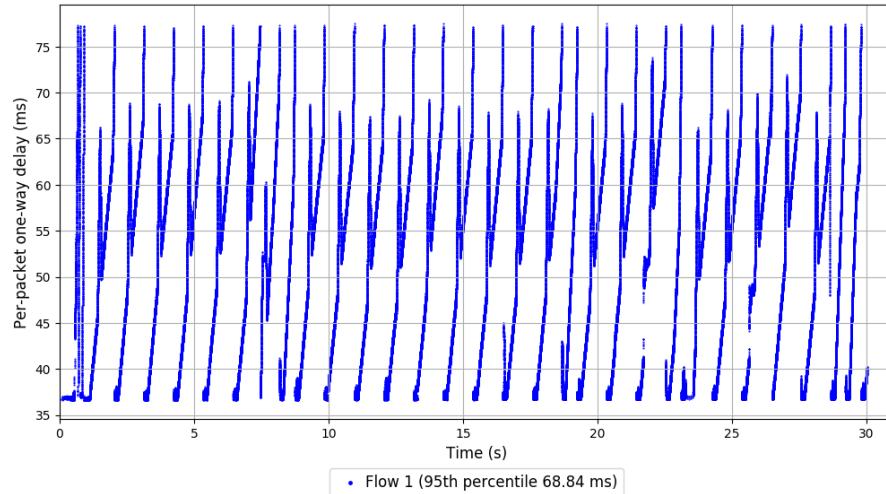
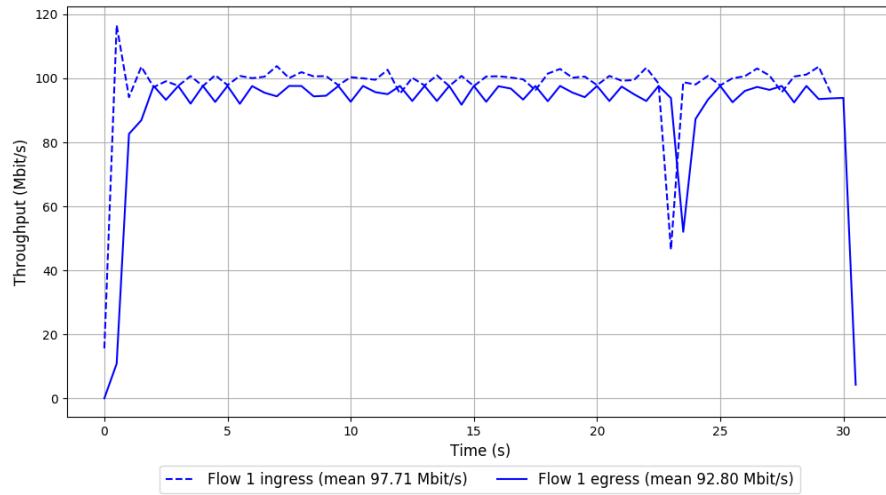


Run 2: Statistics of TCP BBR

```
Start at: 2018-06-29 13:19:09
End at: 2018-06-29 13:19:39
Local clock offset: -3.767 ms
Remote clock offset: 4.429 ms

# Below is generated by plot.py at 2018-06-29 16:51:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.80 Mbit/s
95th percentile per-packet one-way delay: 68.843 ms
Loss rate: 5.01%
-- Flow 1:
Average throughput: 92.80 Mbit/s
95th percentile per-packet one-way delay: 68.843 ms
Loss rate: 5.01%
```

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

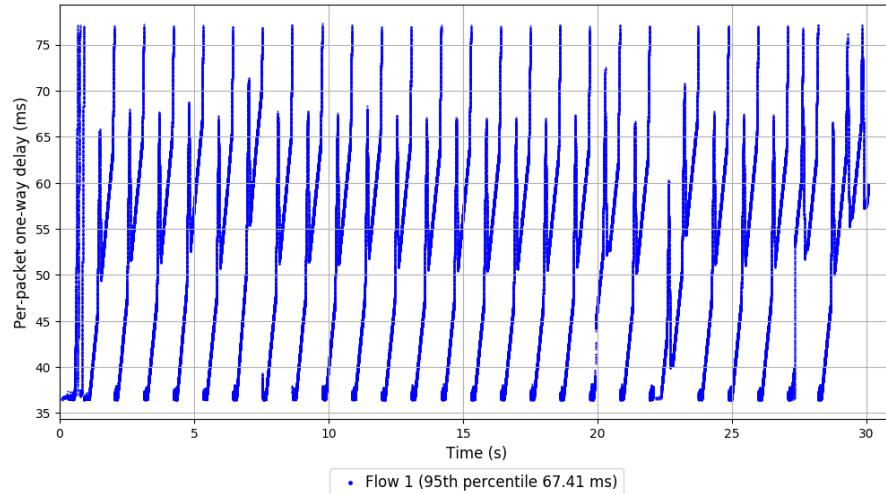
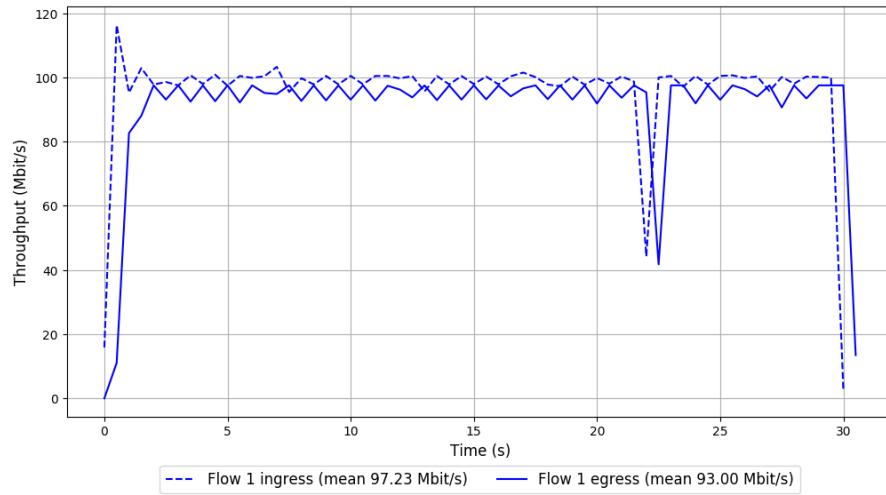


Run 3: Statistics of TCP BBR

```
Start at: 2018-06-29 13:42:29
End at: 2018-06-29 13:42:59
Local clock offset: -5.158 ms
Remote clock offset: 2.053 ms

# Below is generated by plot.py at 2018-06-29 16:51:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.00 Mbit/s
95th percentile per-packet one-way delay: 67.407 ms
Loss rate: 4.29%
-- Flow 1:
Average throughput: 93.00 Mbit/s
95th percentile per-packet one-way delay: 67.407 ms
Loss rate: 4.29%
```

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

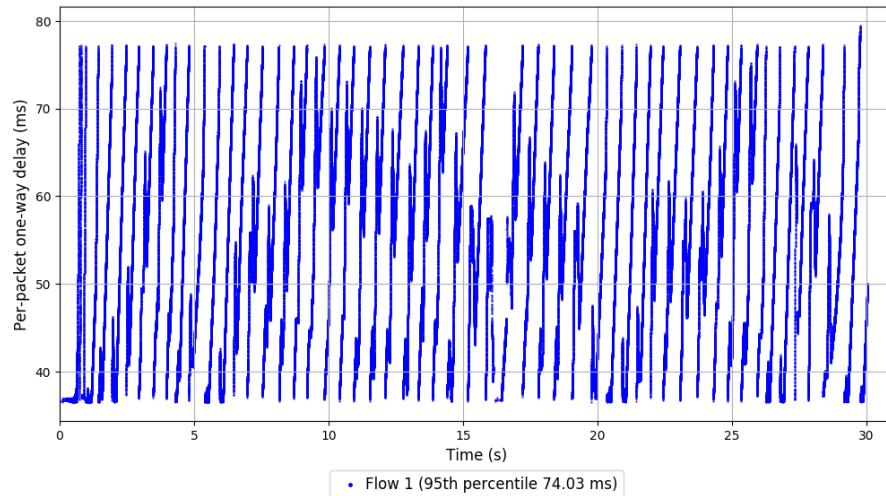
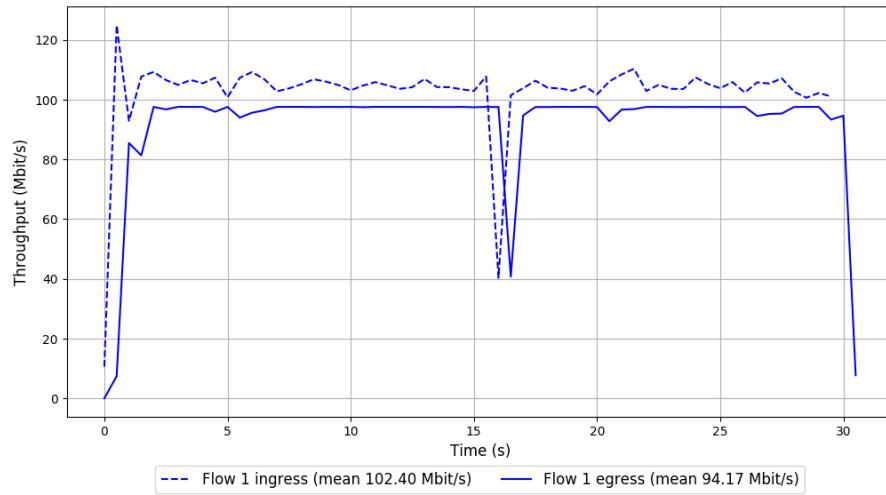


Run 4: Statistics of TCP BBR

```
Start at: 2018-06-29 14:06:20
End at: 2018-06-29 14:06:50
Local clock offset: -0.267 ms
Remote clock offset: 2.295 ms

# Below is generated by plot.py at 2018-06-29 16:51:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 74.028 ms
Loss rate: 8.00%
-- Flow 1:
Average throughput: 94.17 Mbit/s
95th percentile per-packet one-way delay: 74.028 ms
Loss rate: 8.00%
```

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

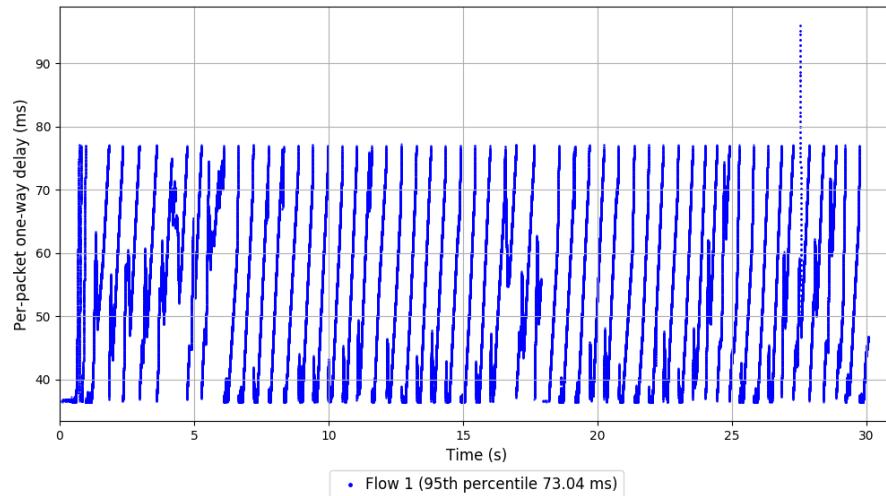
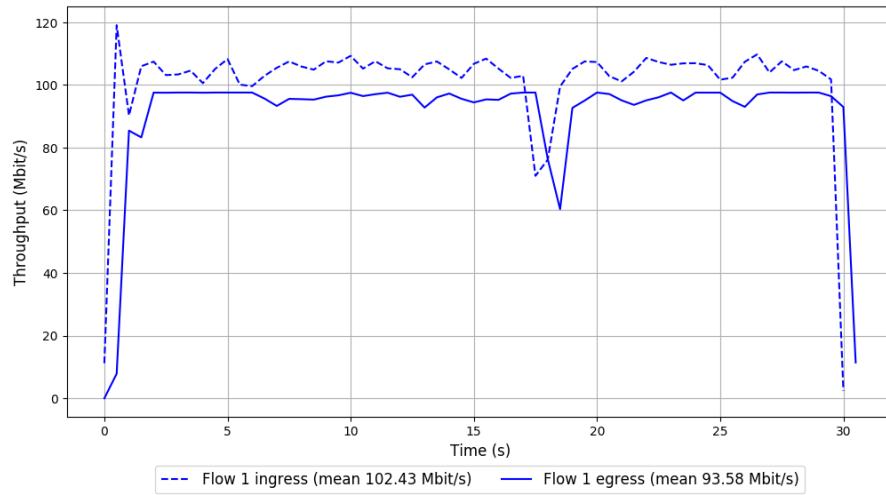


Run 5: Statistics of TCP BBR

```
Start at: 2018-06-29 14:30:52
End at: 2018-06-29 14:31:22
Local clock offset: -2.423 ms
Remote clock offset: 1.162 ms

# Below is generated by plot.py at 2018-06-29 16:51:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.58 Mbit/s
95th percentile per-packet one-way delay: 73.040 ms
Loss rate: 8.61%
-- Flow 1:
Average throughput: 93.58 Mbit/s
95th percentile per-packet one-way delay: 73.040 ms
Loss rate: 8.61%
```

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

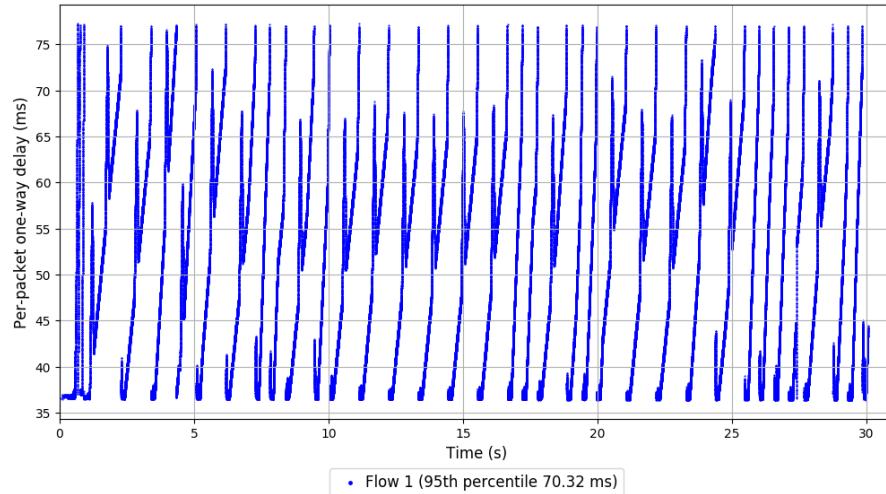
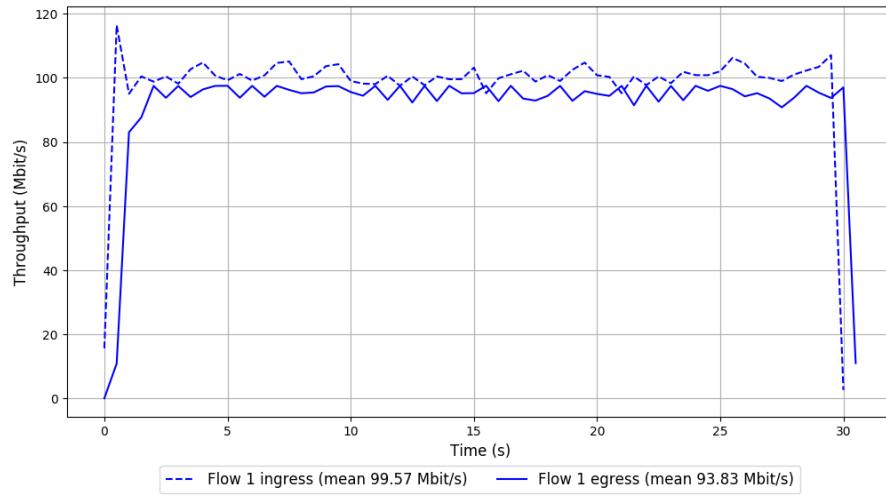


Run 6: Statistics of TCP BBR

```
Start at: 2018-06-29 14:55:22
End at: 2018-06-29 14:55:52
Local clock offset: -2.461 ms
Remote clock offset: 1.21 ms

# Below is generated by plot.py at 2018-06-29 16:51:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 70.323 ms
Loss rate: 5.74%
-- Flow 1:
Average throughput: 93.83 Mbit/s
95th percentile per-packet one-way delay: 70.323 ms
Loss rate: 5.74%
```

### Run 6: Report of TCP BBR — Data Link

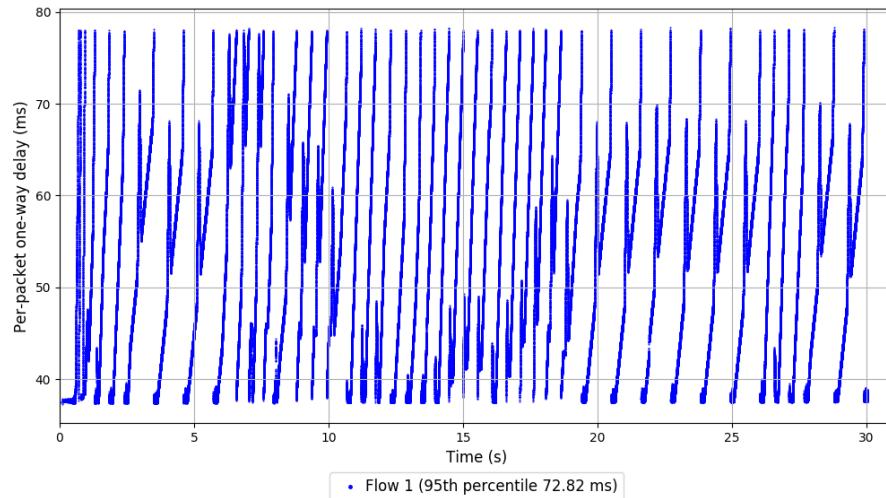
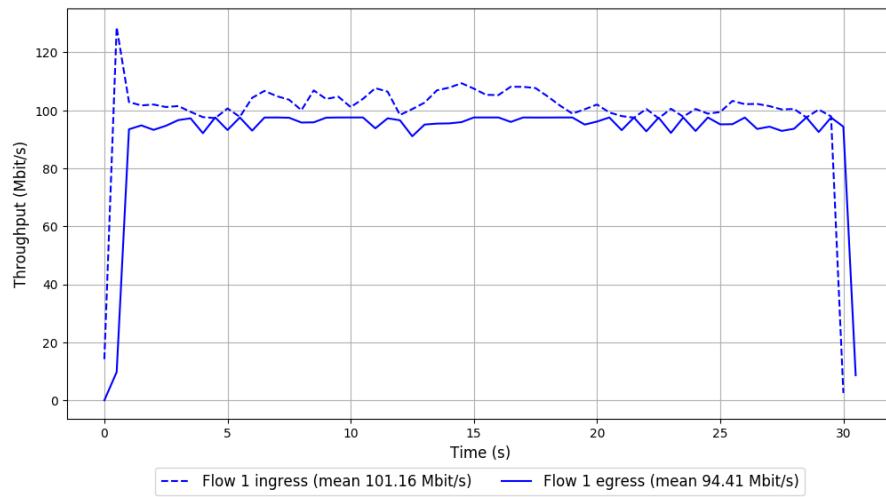


Run 7: Statistics of TCP BBR

```
Start at: 2018-06-29 15:19:17
End at: 2018-06-29 15:19:47
Local clock offset: -1.027 ms
Remote clock offset: 3.918 ms

# Below is generated by plot.py at 2018-06-29 16:51:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 72.817 ms
Loss rate: 6.67%
-- Flow 1:
Average throughput: 94.41 Mbit/s
95th percentile per-packet one-way delay: 72.817 ms
Loss rate: 6.67%
```

### Run 7: Report of TCP BBR — Data Link

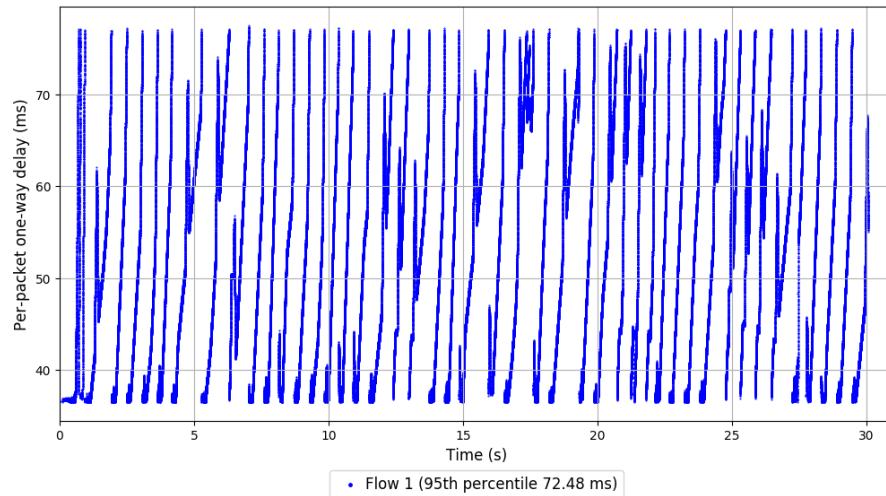
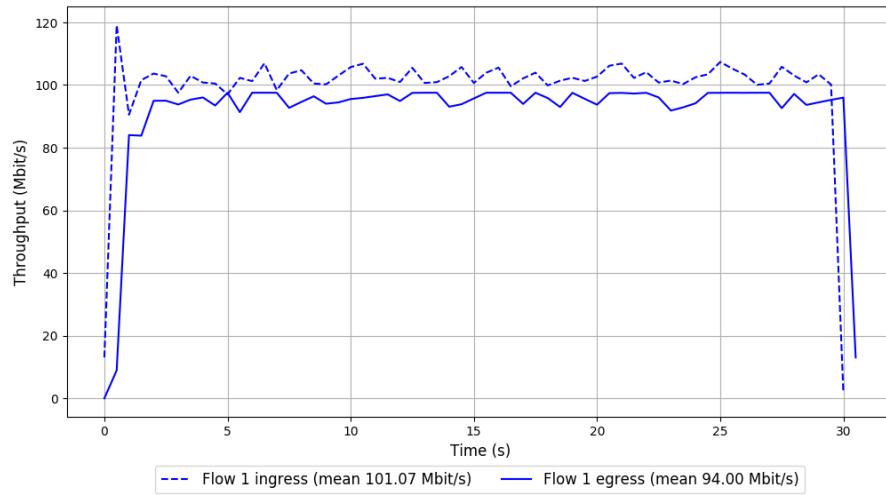


Run 8: Statistics of TCP BBR

```
Start at: 2018-06-29 15:43:55
End at: 2018-06-29 15:44:25
Local clock offset: 2.193 ms
Remote clock offset: 4.14 ms

# Below is generated by plot.py at 2018-06-29 16:51:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 72.481 ms
Loss rate: 6.93%
-- Flow 1:
Average throughput: 94.00 Mbit/s
95th percentile per-packet one-way delay: 72.481 ms
Loss rate: 6.93%
```

### Run 8: Report of TCP BBR — Data Link

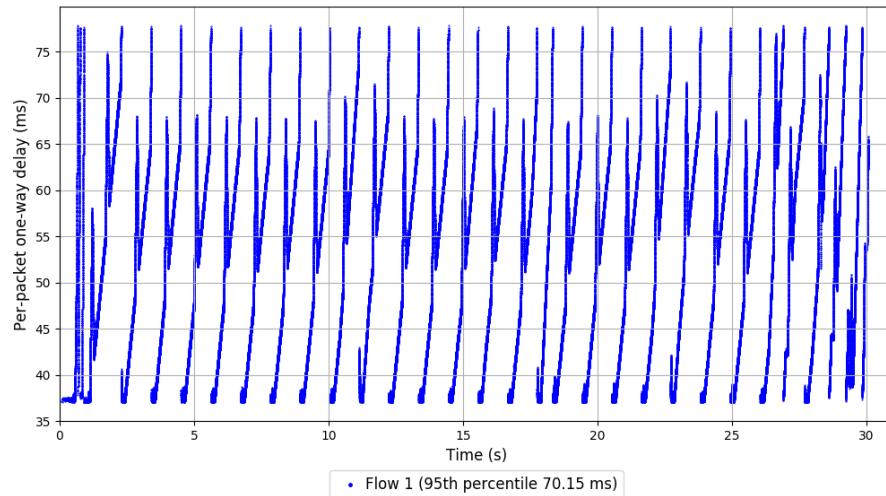
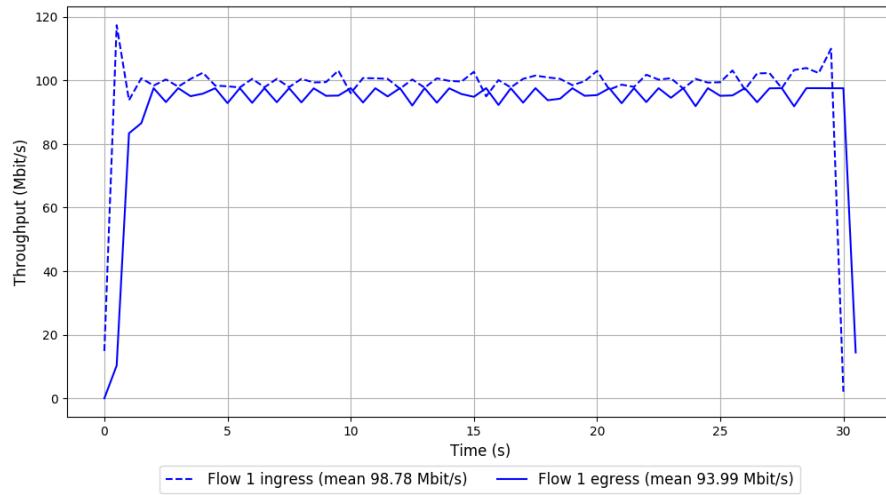


Run 9: Statistics of TCP BBR

```
Start at: 2018-06-29 16:08:20
End at: 2018-06-29 16:08:50
Local clock offset: -1.685 ms
Remote clock offset: 4.236 ms

# Below is generated by plot.py at 2018-06-29 16:52:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.99 Mbit/s
95th percentile per-packet one-way delay: 70.148 ms
Loss rate: 4.76%
-- Flow 1:
Average throughput: 93.99 Mbit/s
95th percentile per-packet one-way delay: 70.148 ms
Loss rate: 4.76%
```

### Run 9: Report of TCP BBR — Data Link

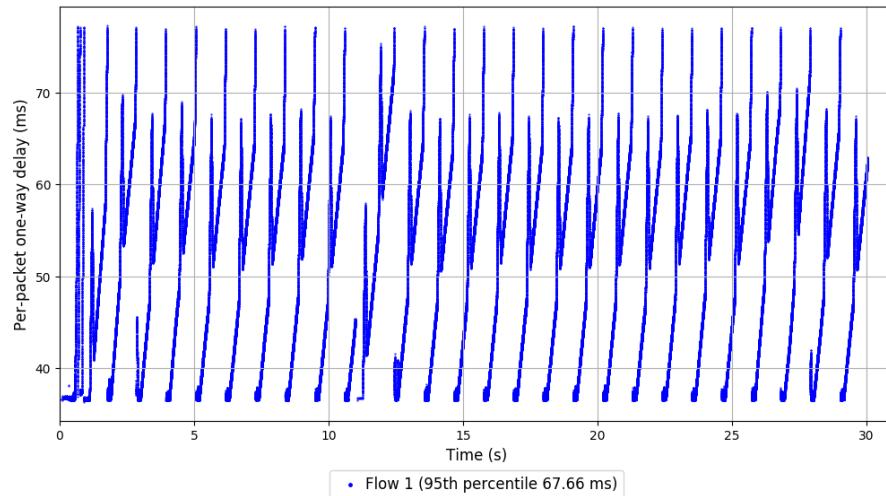
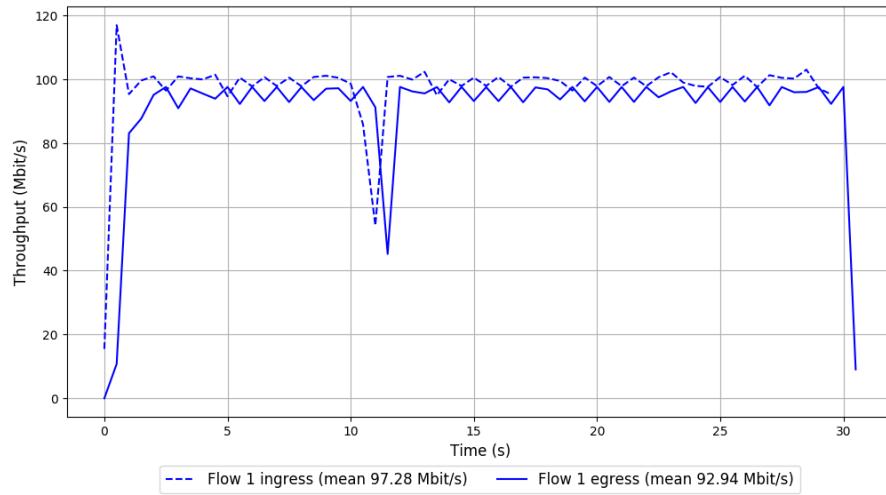


```
Run 10: Statistics of TCP BBR
```

```
Start at: 2018-06-29 16:32:08
End at: 2018-06-29 16:32:38
Local clock offset: -1.694 ms
Remote clock offset: 4.377 ms

# Below is generated by plot.py at 2018-06-29 16:52:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.94 Mbit/s
95th percentile per-packet one-way delay: 67.659 ms
Loss rate: 4.38%
-- Flow 1:
Average throughput: 92.94 Mbit/s
95th percentile per-packet one-way delay: 67.659 ms
Loss rate: 4.38%
```

## Run 10: Report of TCP BBR — Data Link

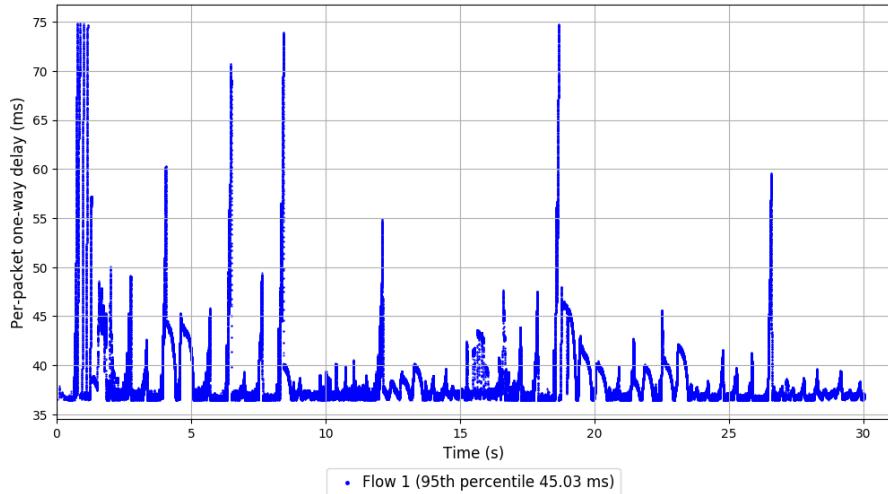
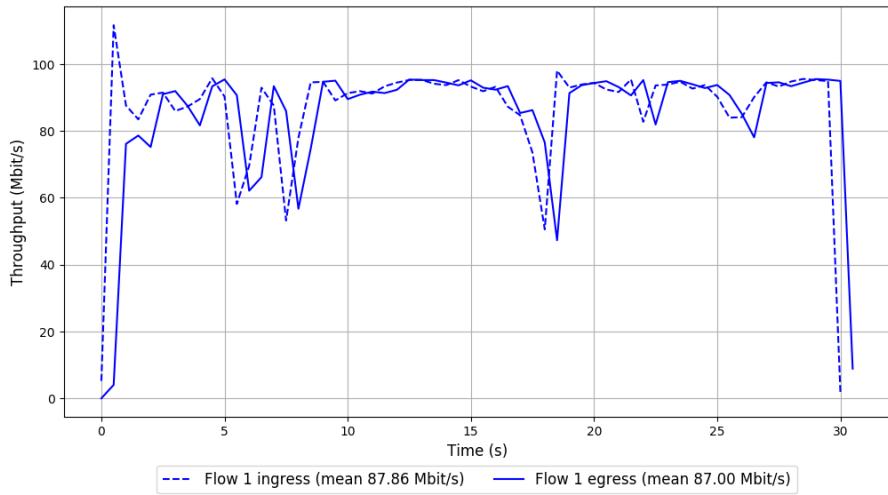


Run 1: Statistics of Copa

```
Start at: 2018-06-29 13:04:07
End at: 2018-06-29 13:04:37
Local clock offset: -3.431 ms
Remote clock offset: 6.656 ms

# Below is generated by plot.py at 2018-06-29 16:53:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.00 Mbit/s
95th percentile per-packet one-way delay: 45.029 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 87.00 Mbit/s
95th percentile per-packet one-way delay: 45.029 ms
Loss rate: 0.98%
```

### Run 1: Report of Copa — Data Link

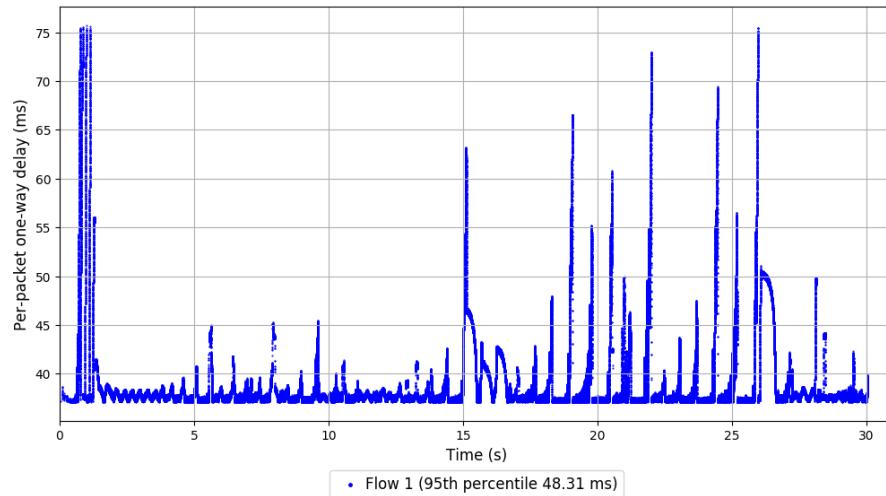
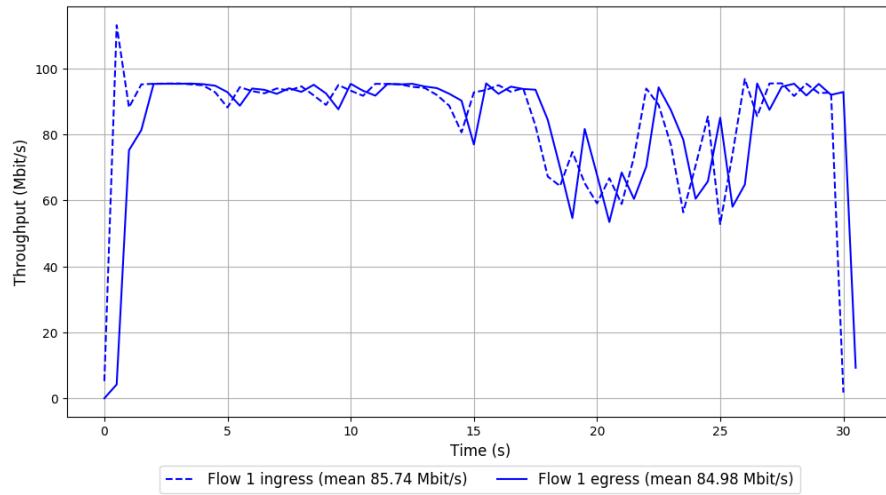


Run 2: Statistics of Copa

```
Start at: 2018-06-29 13:27:36
End at: 2018-06-29 13:28:07
Local clock offset: -3.757 ms
Remote clock offset: 3.292 ms

# Below is generated by plot.py at 2018-06-29 16:53:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.98 Mbit/s
95th percentile per-packet one-way delay: 48.313 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 84.98 Mbit/s
95th percentile per-packet one-way delay: 48.313 ms
Loss rate: 0.87%
```

## Run 2: Report of Copa — Data Link

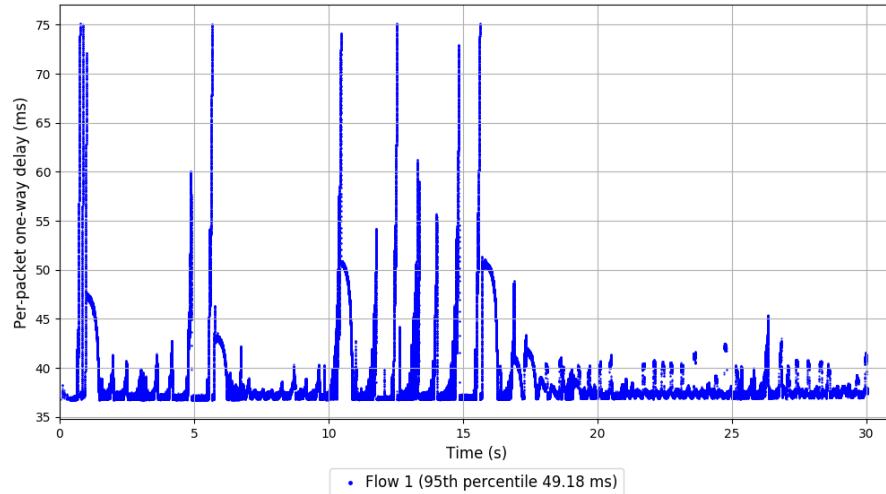
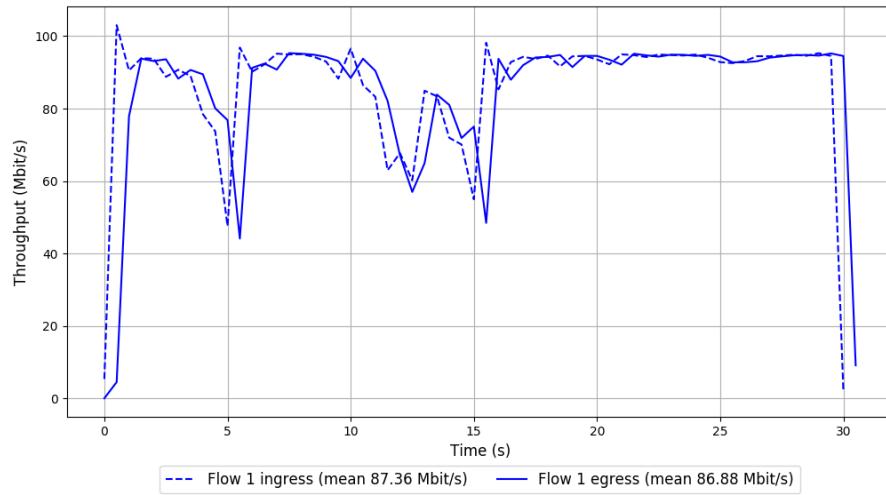


Run 3: Statistics of Copa

```
Start at: 2018-06-29 13:50:35
End at: 2018-06-29 13:51:05
Local clock offset: -2.966 ms
Remote clock offset: 2.83 ms

# Below is generated by plot.py at 2018-06-29 16:53:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 49.184 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 86.88 Mbit/s
95th percentile per-packet one-way delay: 49.184 ms
Loss rate: 0.55%
```

### Run 3: Report of Copa — Data Link

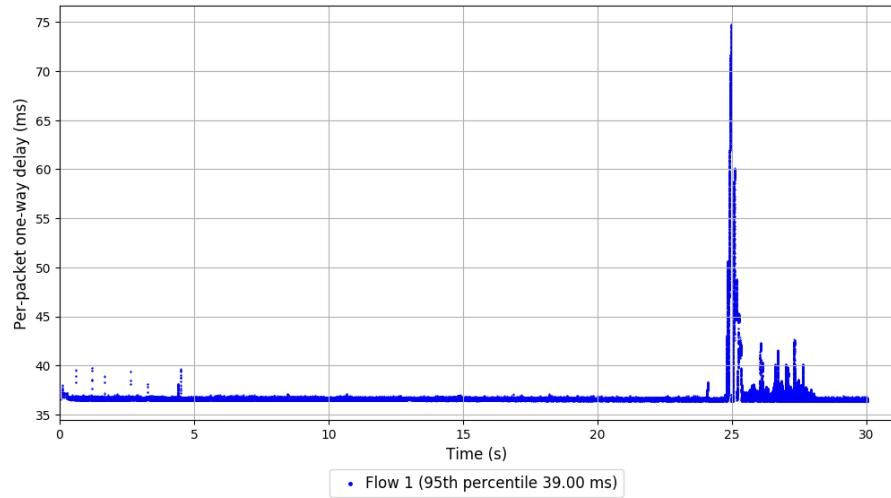
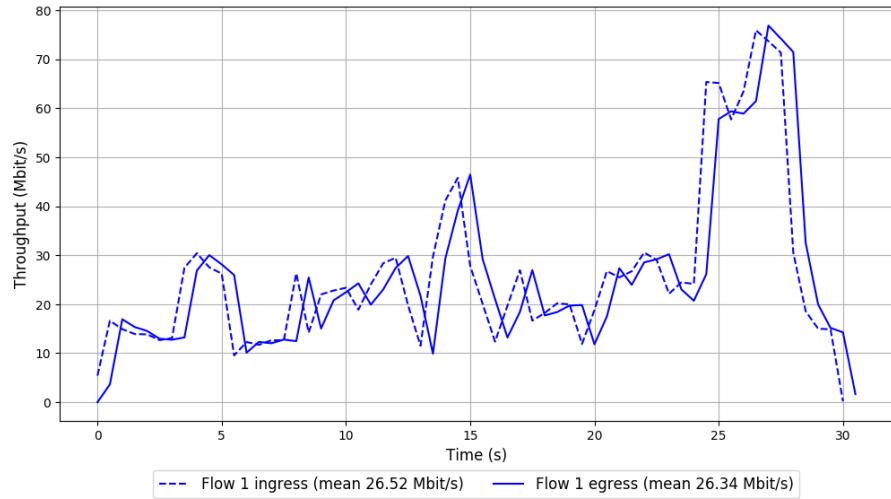


Run 4: Statistics of Copa

```
Start at: 2018-06-29 14:15:28
End at: 2018-06-29 14:15:58
Local clock offset: -0.198 ms
Remote clock offset: 2.563 ms

# Below is generated by plot.py at 2018-06-29 16:53:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 26.34 Mbit/s
95th percentile per-packet one-way delay: 39.002 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 26.34 Mbit/s
95th percentile per-packet one-way delay: 39.002 ms
Loss rate: 0.68%
```

## Run 4: Report of Copa — Data Link

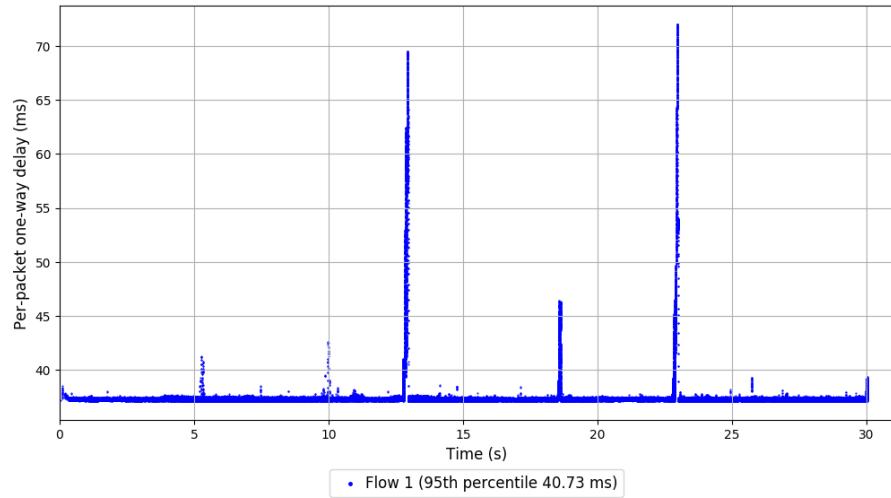
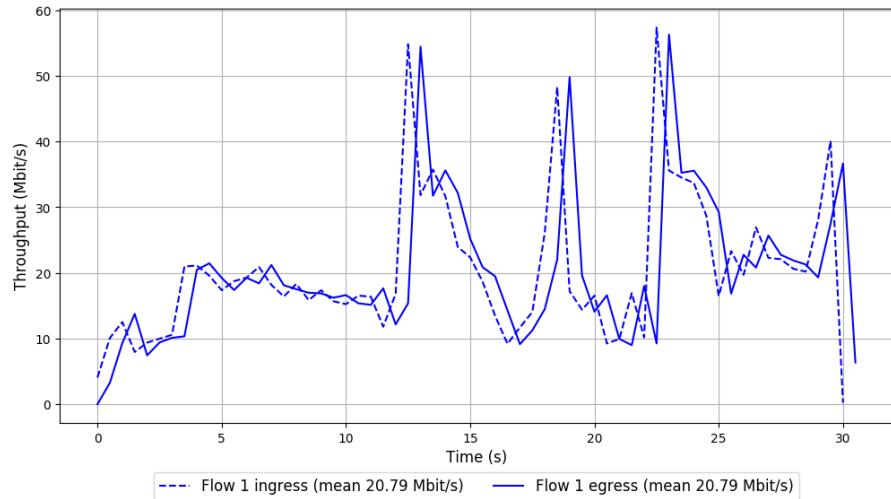


Run 5: Statistics of Copa

```
Start at: 2018-06-29 14:39:58
End at: 2018-06-29 14:40:29
Local clock offset: -3.06 ms
Remote clock offset: 0.539 ms

# Below is generated by plot.py at 2018-06-29 16:53:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 20.79 Mbit/s
95th percentile per-packet one-way delay: 40.732 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 20.79 Mbit/s
95th percentile per-packet one-way delay: 40.732 ms
Loss rate: 0.00%
```

## Run 5: Report of Copa — Data Link

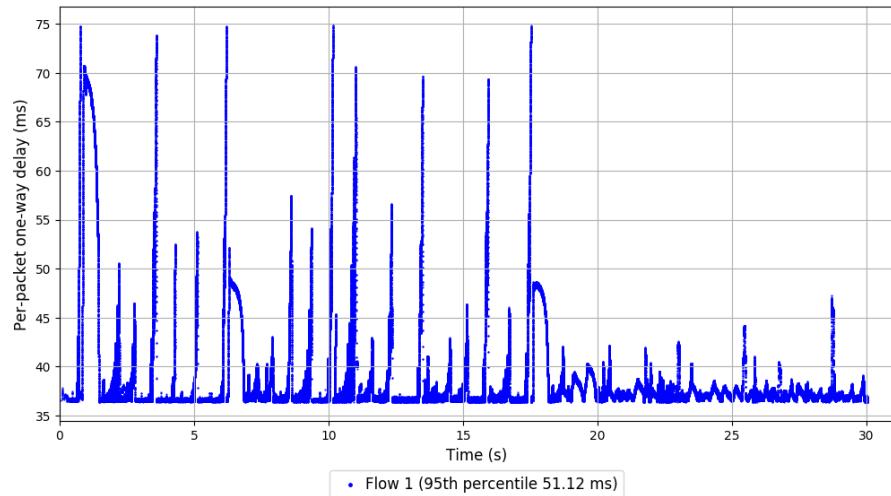
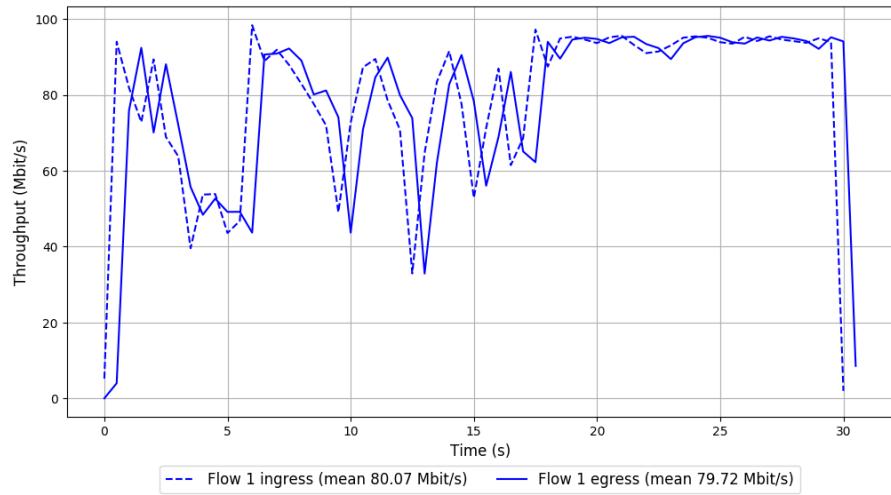


Run 6: Statistics of Copa

```
Start at: 2018-06-29 15:03:56
End at: 2018-06-29 15:04:26
Local clock offset: -2.288 ms
Remote clock offset: 3.005 ms

# Below is generated by plot.py at 2018-06-29 16:53:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.72 Mbit/s
95th percentile per-packet one-way delay: 51.125 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 79.72 Mbit/s
95th percentile per-packet one-way delay: 51.125 ms
Loss rate: 0.43%
```

## Run 6: Report of Copa — Data Link

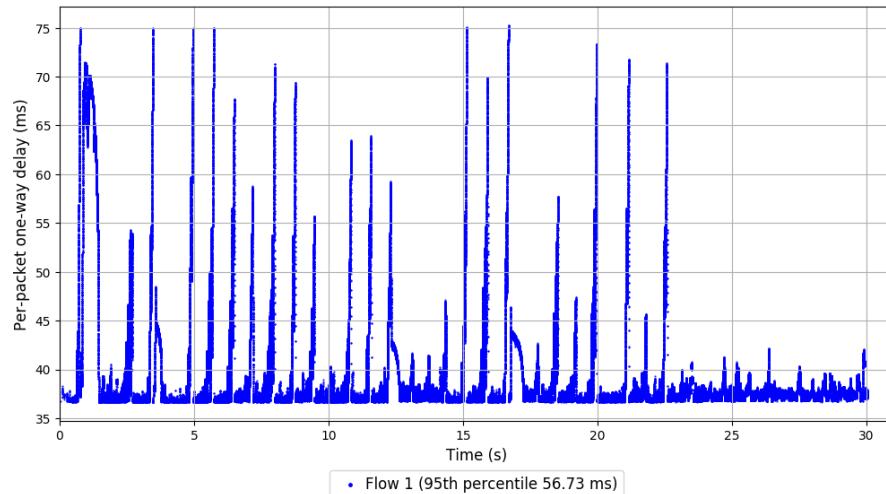
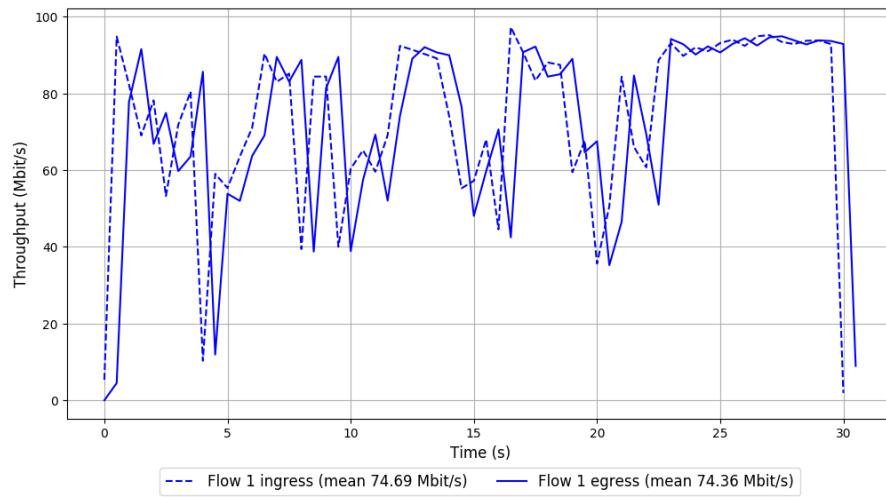


Run 7: Statistics of Copa

```
Start at: 2018-06-29 15:28:00
End at: 2018-06-29 15:28:30
Local clock offset: 0.815 ms
Remote clock offset: 4.092 ms

# Below is generated by plot.py at 2018-06-29 16:53:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.36 Mbit/s
95th percentile per-packet one-way delay: 56.734 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 74.36 Mbit/s
95th percentile per-packet one-way delay: 56.734 ms
Loss rate: 0.43%
```

### Run 7: Report of Copa — Data Link

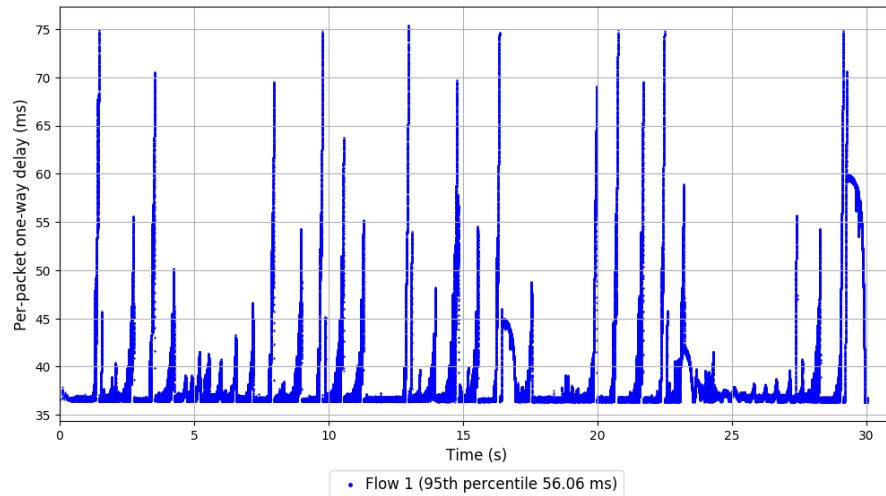
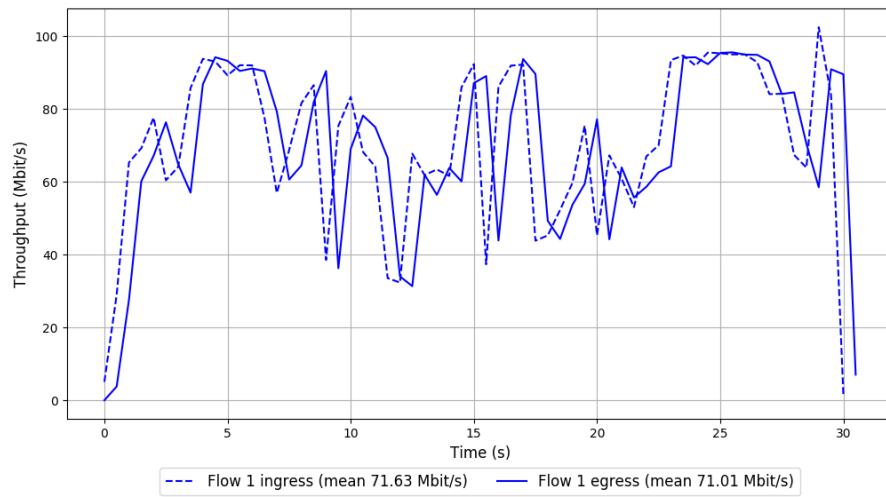


Run 8: Statistics of Copa

```
Start at: 2018-06-29 15:53:18
End at: 2018-06-29 15:53:48
Local clock offset: -0.095 ms
Remote clock offset: 4.253 ms

# Below is generated by plot.py at 2018-06-29 16:54:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.01 Mbit/s
95th percentile per-packet one-way delay: 56.061 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 71.01 Mbit/s
95th percentile per-packet one-way delay: 56.061 ms
Loss rate: 0.88%
```

### Run 8: Report of Copa — Data Link

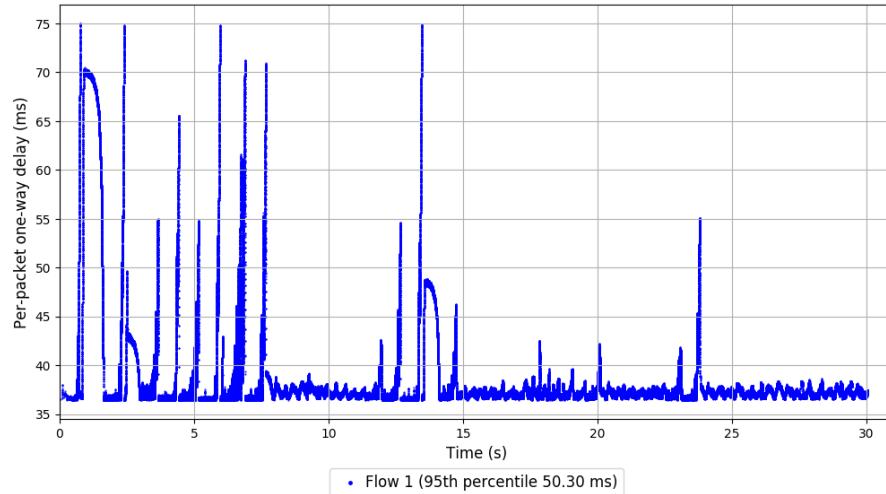
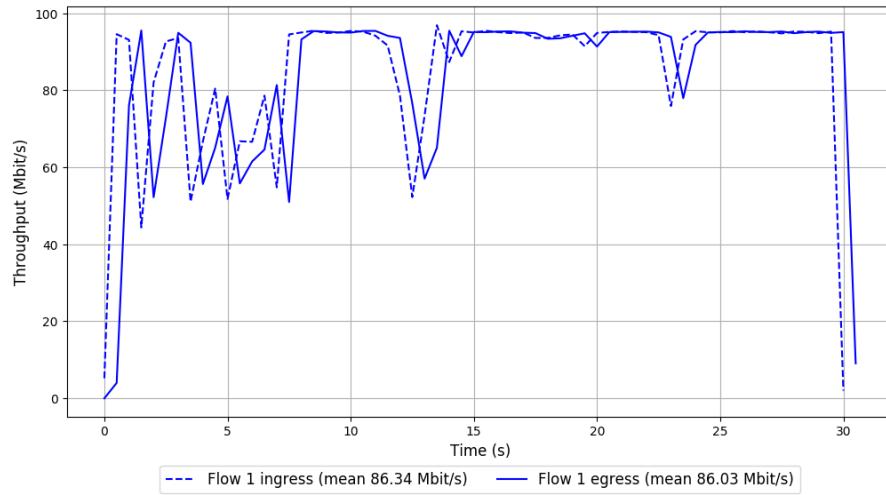


Run 9: Statistics of Copa

```
Start at: 2018-06-29 16:17:08
End at: 2018-06-29 16:17:38
Local clock offset: -1.936 ms
Remote clock offset: 4.292 ms

# Below is generated by plot.py at 2018-06-29 16:54:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.03 Mbit/s
95th percentile per-packet one-way delay: 50.301 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 86.03 Mbit/s
95th percentile per-packet one-way delay: 50.301 ms
Loss rate: 0.35%
```

### Run 9: Report of Copa — Data Link

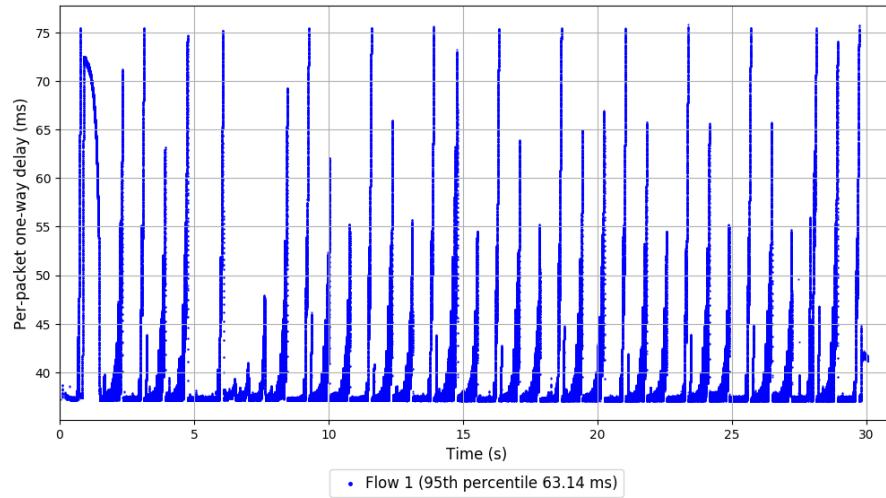
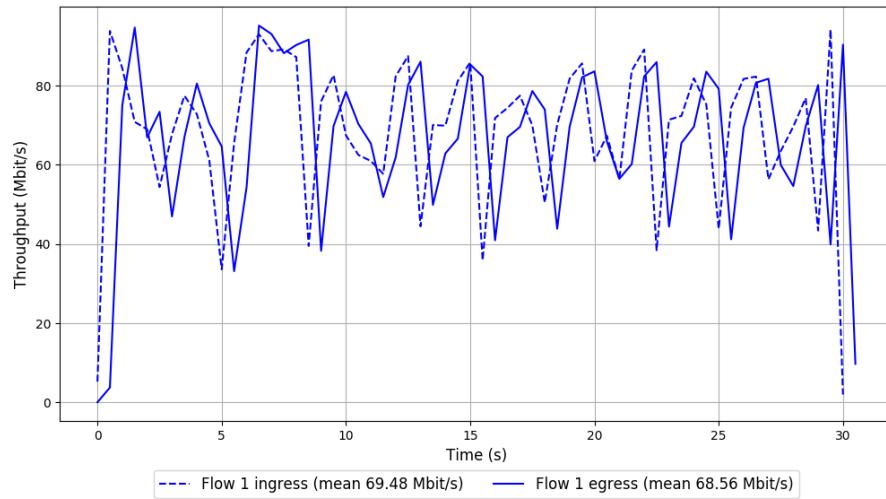


Run 10: Statistics of Copa

```
Start at: 2018-06-29 16:40:14
End at: 2018-06-29 16:40:44
Local clock offset: -1.772 ms
Remote clock offset: 5.963 ms

# Below is generated by plot.py at 2018-06-29 16:54:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.56 Mbit/s
95th percentile per-packet one-way delay: 63.136 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 68.56 Mbit/s
95th percentile per-packet one-way delay: 63.136 ms
Loss rate: 1.32%
```

Run 10: Report of Copa — Data Link

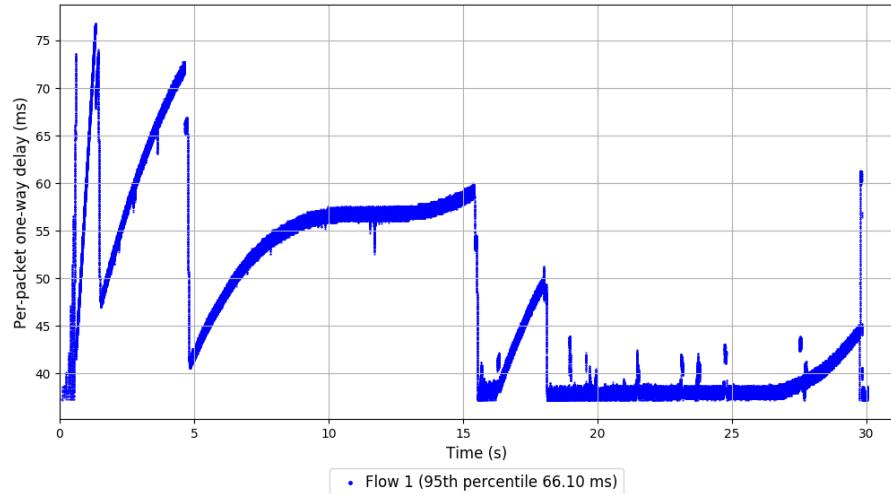
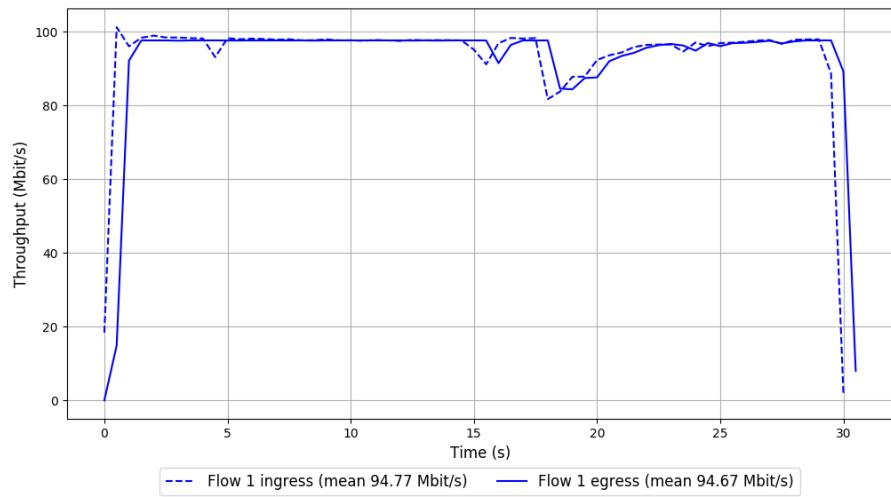


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-06-29 13:06:58
End at: 2018-06-29 13:07:28
Local clock offset: -3.474 ms
Remote clock offset: 6.815 ms

# Below is generated by plot.py at 2018-06-29 16:54:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 66.100 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 94.67 Mbit/s
95th percentile per-packet one-way delay: 66.100 ms
Loss rate: 0.11%
```

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

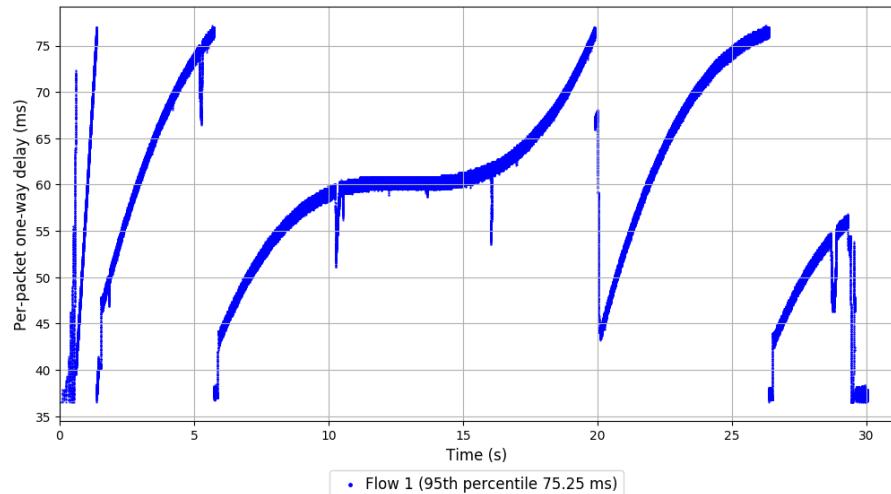
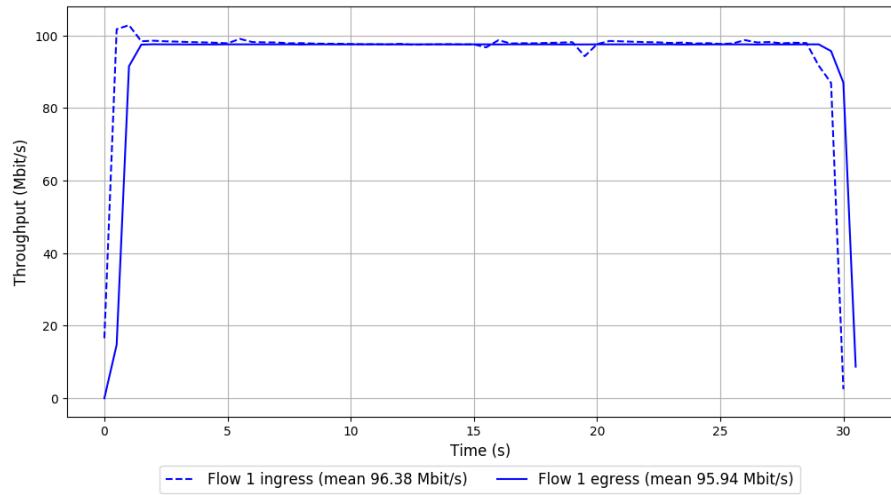


Run 2: Statistics of TCP Cubic

```
Start at: 2018-06-29 13:30:20
End at: 2018-06-29 13:30:50
Local clock offset: -3.936 ms
Remote clock offset: 3.103 ms

# Below is generated by plot.py at 2018-06-29 16:54:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 75.246 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 95.94 Mbit/s
95th percentile per-packet one-way delay: 75.246 ms
Loss rate: 0.45%
```

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

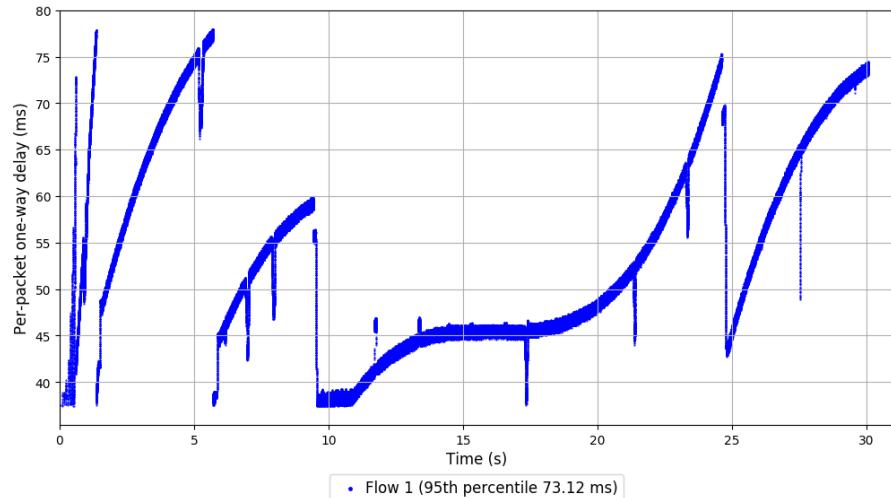
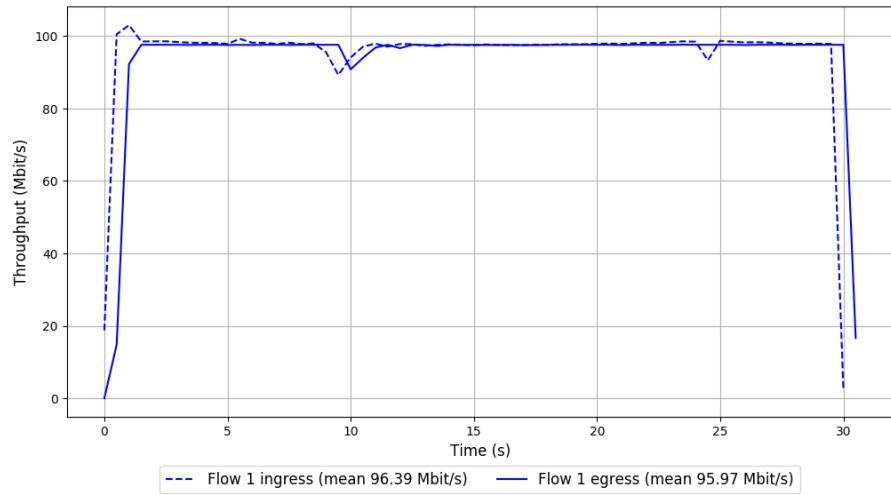


Run 3: Statistics of TCP Cubic

```
Start at: 2018-06-29 13:53:29
End at: 2018-06-29 13:53:59
Local clock offset: -2.028 ms
Remote clock offset: 3.048 ms

# Below is generated by plot.py at 2018-06-29 16:54:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 73.116 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 95.97 Mbit/s
95th percentile per-packet one-way delay: 73.116 ms
Loss rate: 0.31%
```

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

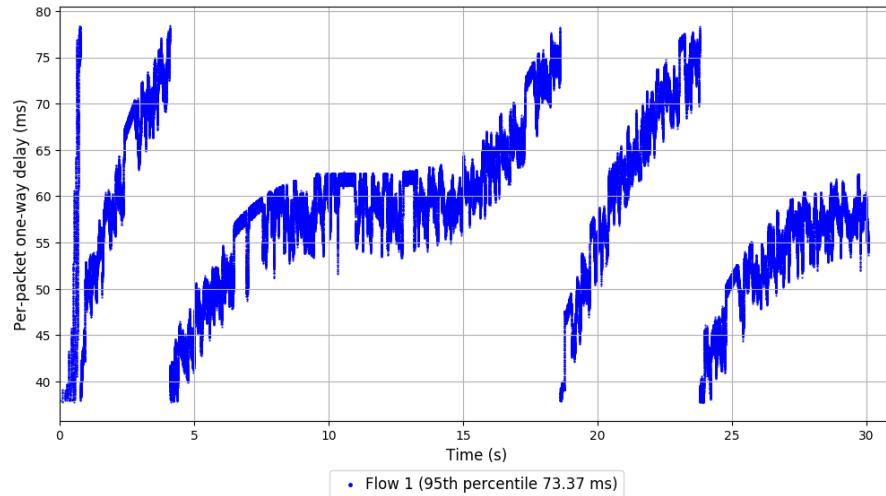
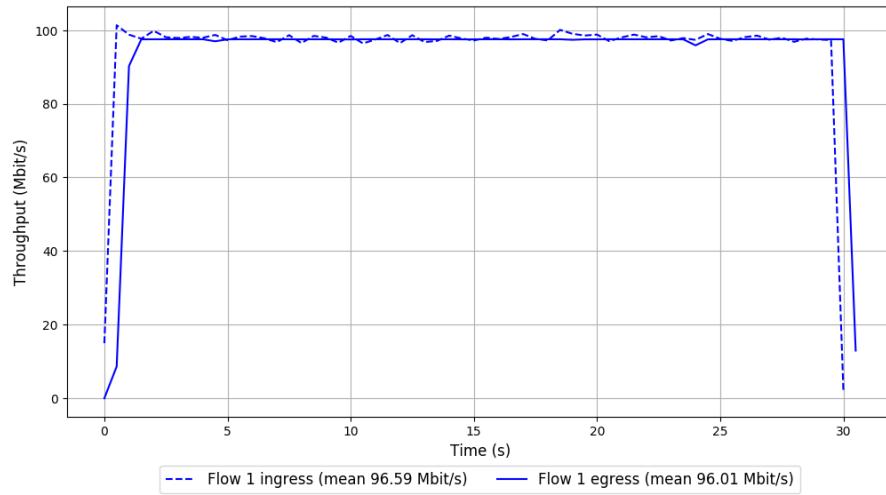


Run 4: Statistics of TCP Cubic

```
Start at: 2018-06-29 14:18:28
End at: 2018-06-29 14:18:58
Local clock offset: -0.815 ms
Remote clock offset: 3.051 ms

# Below is generated by plot.py at 2018-06-29 16:54:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 73.367 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 96.01 Mbit/s
95th percentile per-packet one-way delay: 73.367 ms
Loss rate: 0.54%
```

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

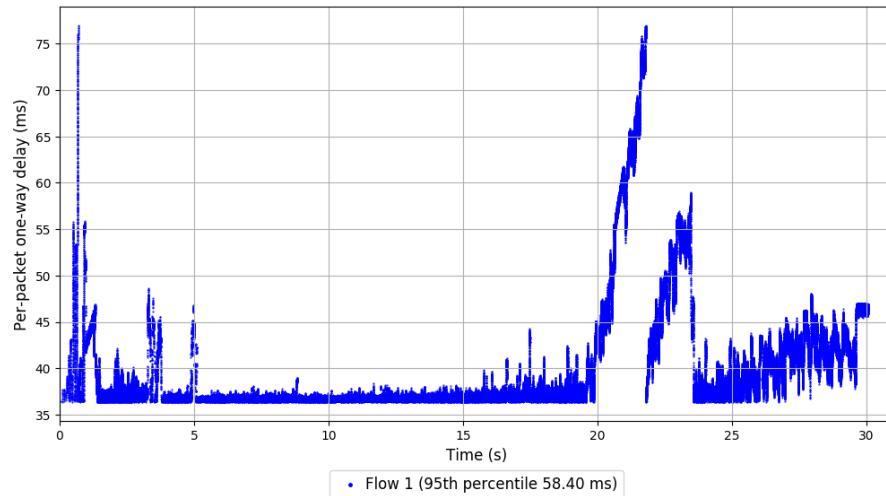
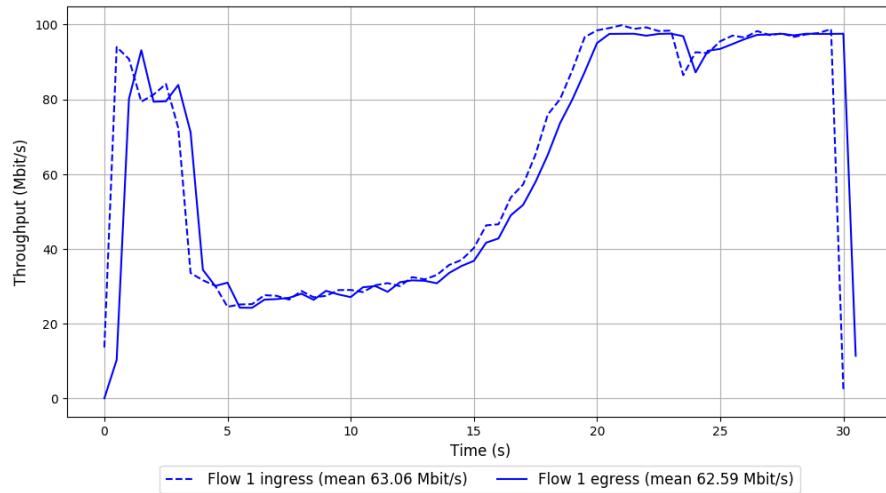


Run 5: Statistics of TCP Cubic

```
Start at: 2018-06-29 14:42:57
End at: 2018-06-29 14:43:27
Local clock offset: -3.309 ms
Remote clock offset: -0.527 ms

# Below is generated by plot.py at 2018-06-29 16:54:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 62.59 Mbit/s
95th percentile per-packet one-way delay: 58.399 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 62.59 Mbit/s
95th percentile per-packet one-way delay: 58.399 ms
Loss rate: 0.71%
```

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

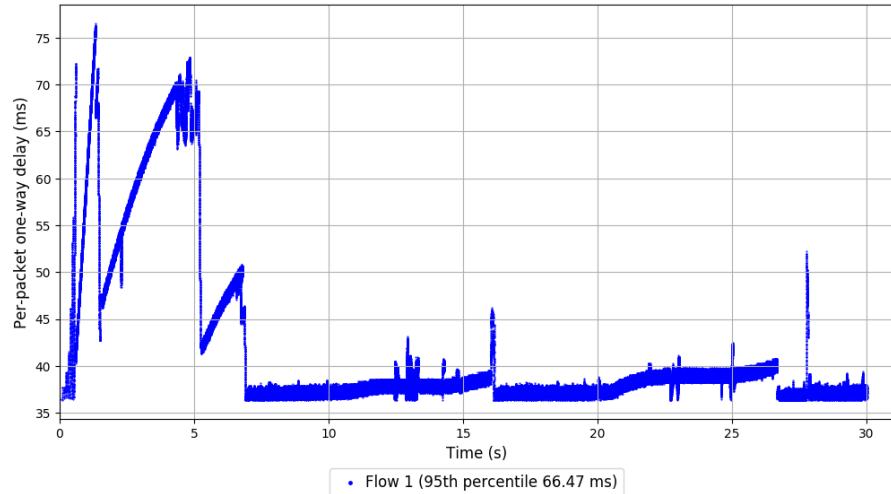
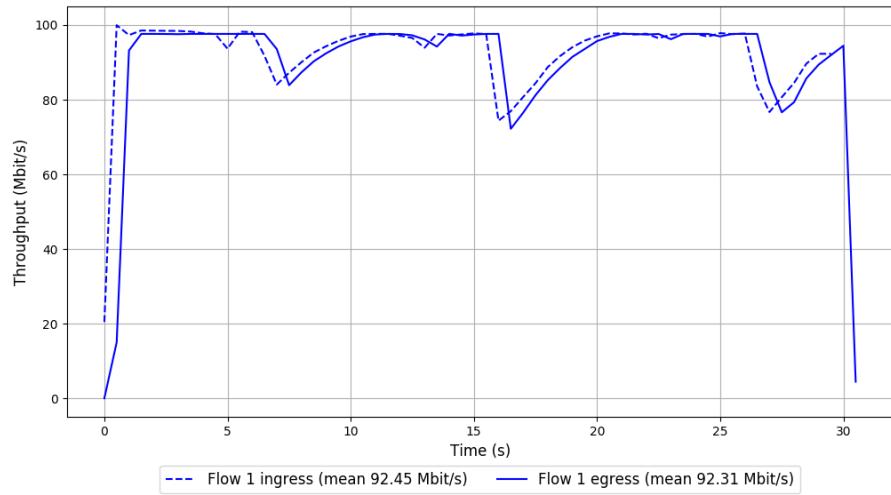


Run 6: Statistics of TCP Cubic

```
Start at: 2018-06-29 15:06:53
End at: 2018-06-29 15:07:23
Local clock offset: -2.28 ms
Remote clock offset: 3.303 ms

# Below is generated by plot.py at 2018-06-29 16:55:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.31 Mbit/s
95th percentile per-packet one-way delay: 66.469 ms
Loss rate: 0.15%
-- Flow 1:
Average throughput: 92.31 Mbit/s
95th percentile per-packet one-way delay: 66.469 ms
Loss rate: 0.15%
```

### Run 6: Report of TCP Cubic — Data Link

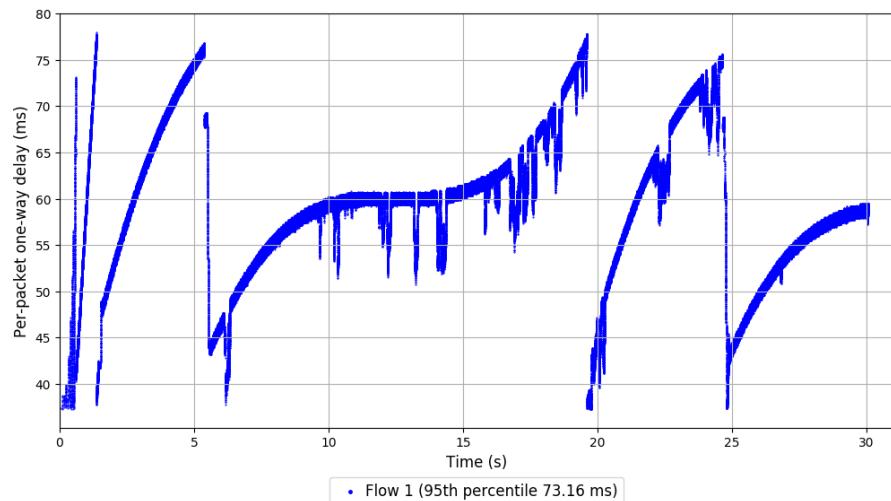
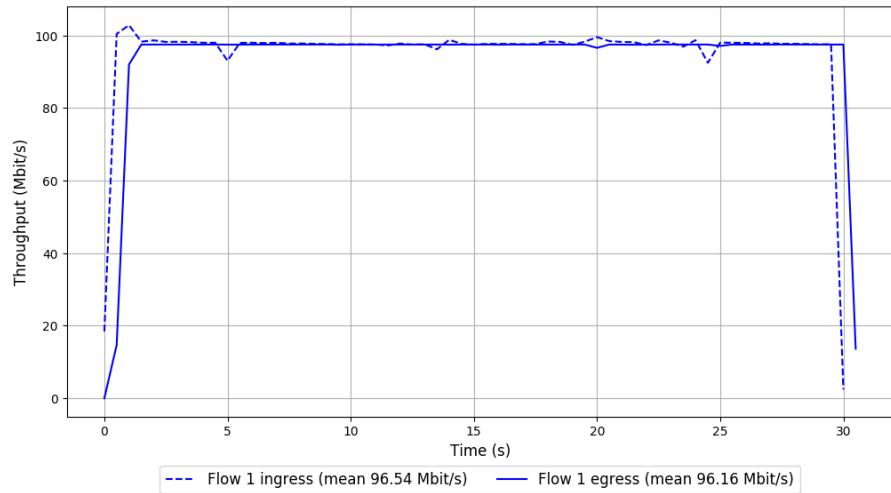


Run 7: Statistics of TCP Cubic

```
Start at: 2018-06-29 15:30:59
End at: 2018-06-29 15:31:29
Local clock offset: 1.291 ms
Remote clock offset: 4.17 ms

# Below is generated by plot.py at 2018-06-29 16:55:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.16 Mbit/s
95th percentile per-packet one-way delay: 73.163 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 96.16 Mbit/s
95th percentile per-packet one-way delay: 73.163 ms
Loss rate: 0.33%
```

### Run 7: Report of TCP Cubic — Data Link

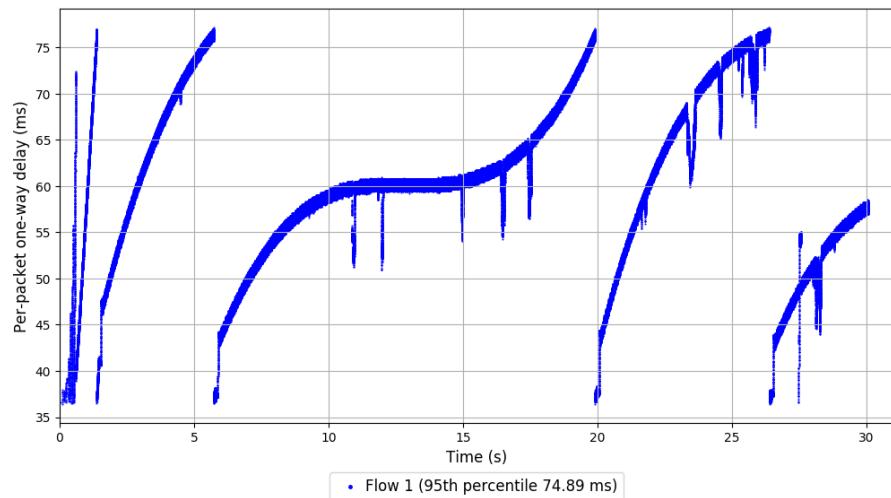
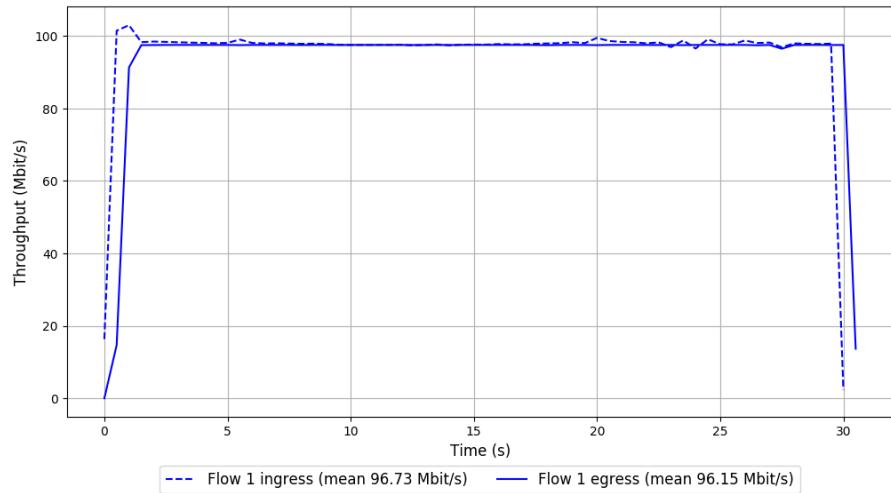


Run 8: Statistics of TCP Cubic

```
Start at: 2018-06-29 15:56:11
End at: 2018-06-29 15:56:41
Local clock offset: -0.63 ms
Remote clock offset: 4.26 ms

# Below is generated by plot.py at 2018-06-29 16:55:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.15 Mbit/s
95th percentile per-packet one-way delay: 74.892 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 96.15 Mbit/s
95th percentile per-packet one-way delay: 74.892 ms
Loss rate: 0.54%
```

### Run 8: Report of TCP Cubic — Data Link

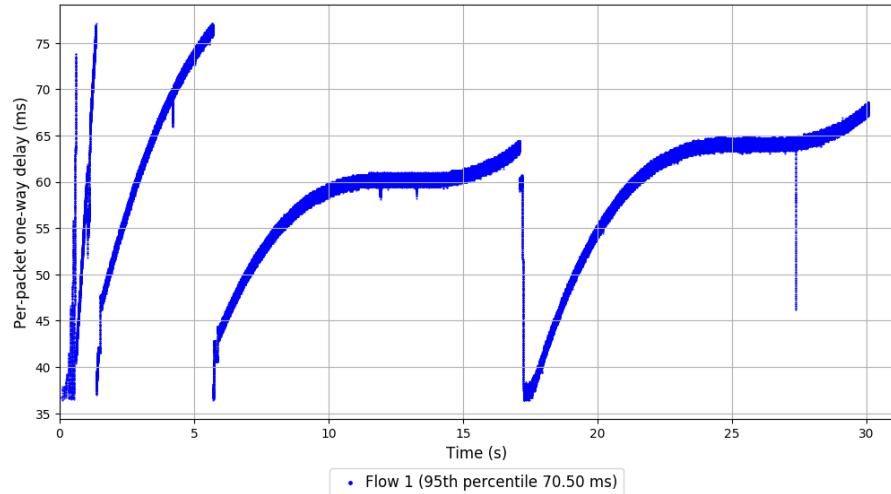
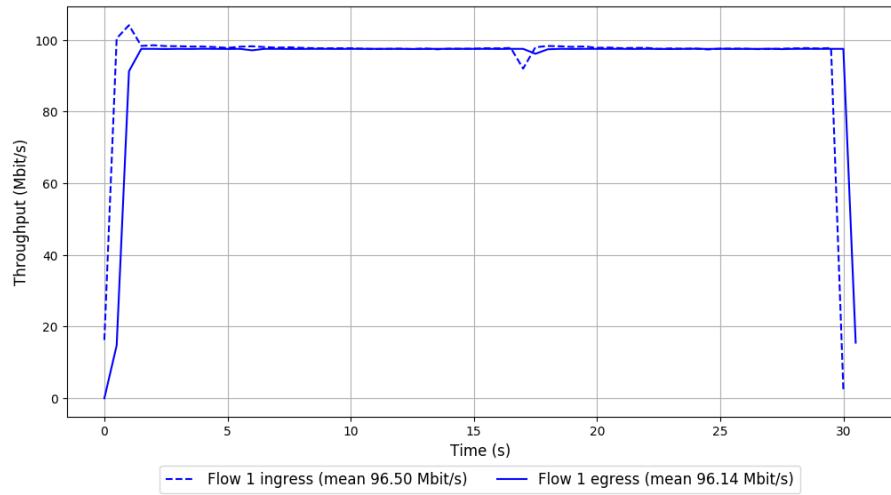


Run 9: Statistics of TCP Cubic

```
Start at: 2018-06-29 16:20:06
End at: 2018-06-29 16:20:36
Local clock offset: -1.783 ms
Remote clock offset: 4.349 ms

# Below is generated by plot.py at 2018-06-29 16:55:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 70.500 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 70.500 ms
Loss rate: 0.27%
```

### Run 9: Report of TCP Cubic — Data Link

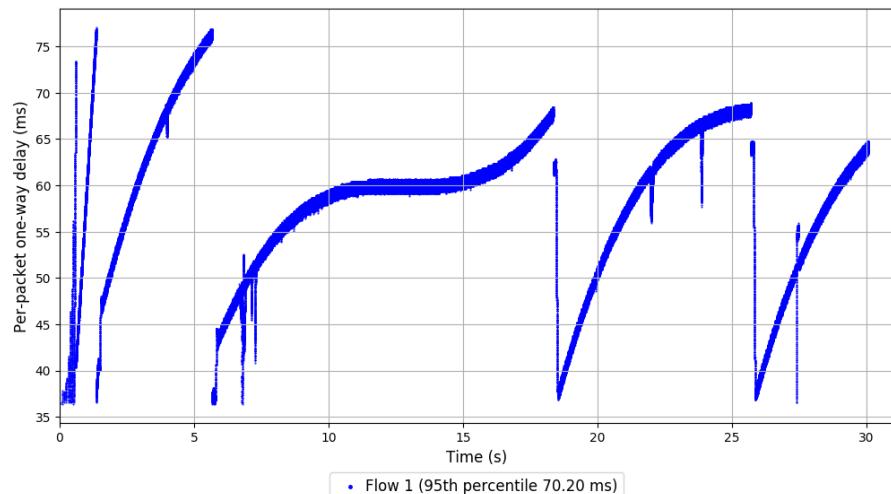
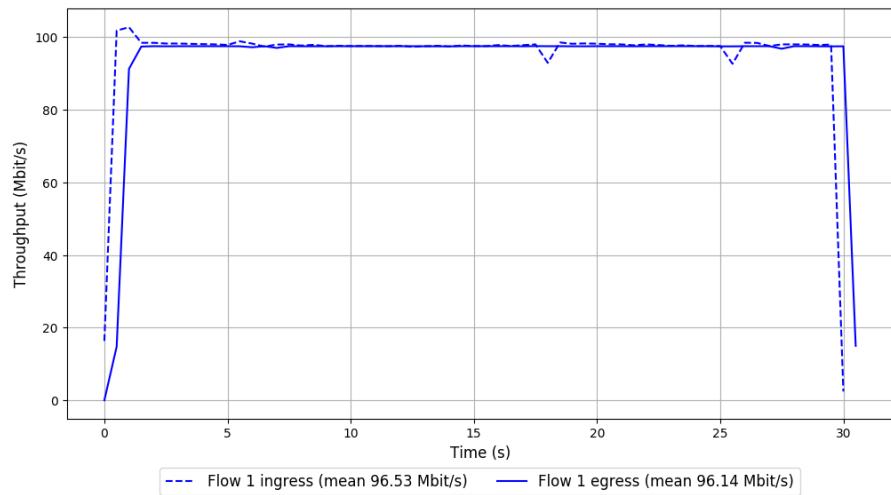


Run 10: Statistics of TCP Cubic

```
Start at: 2018-06-29 16:43:04
End at: 2018-06-29 16:43:34
Local clock offset: -1.715 ms
Remote clock offset: 6.489 ms

# Below is generated by plot.py at 2018-06-29 16:56:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 70.202 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 96.14 Mbit/s
95th percentile per-packet one-way delay: 70.202 ms
Loss rate: 0.31%
```

### Run 10: Report of TCP Cubic — Data Link

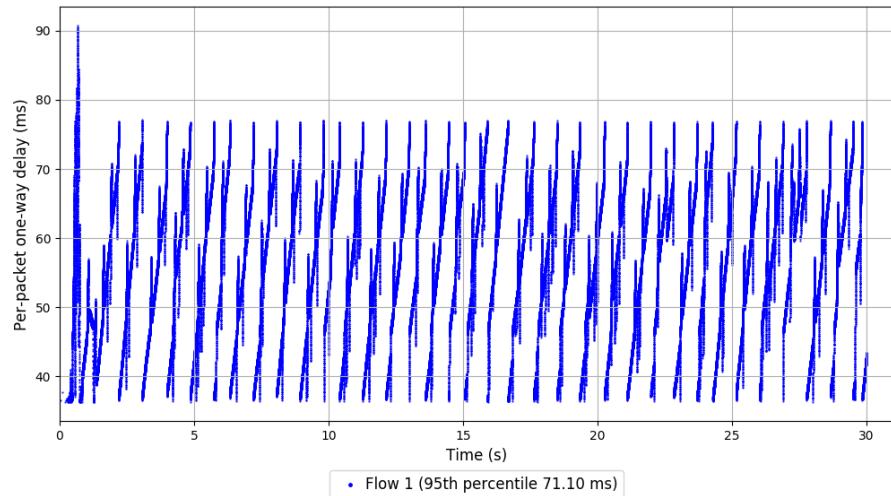
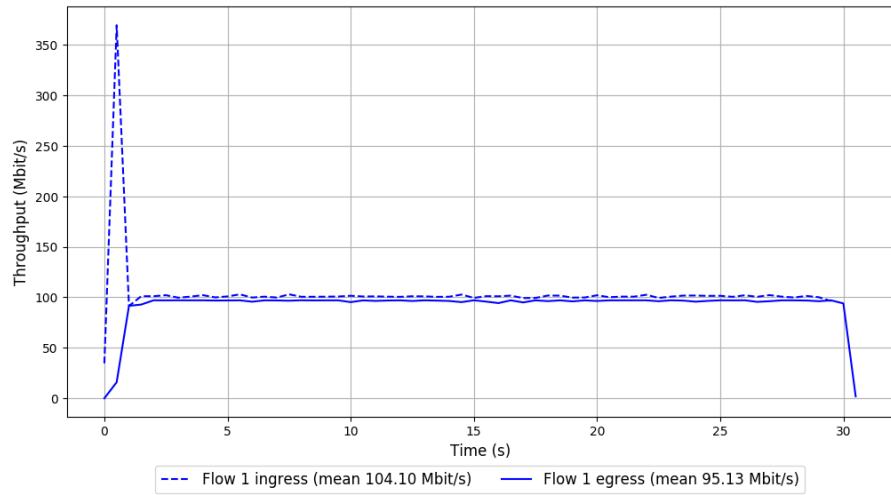


```
Run 1: Statistics of FillP
```

```
Start at: 2018-06-29 13:05:37
End at: 2018-06-29 13:06:07
Local clock offset: -3.382 ms
Remote clock offset: 6.716 ms

# Below is generated by plot.py at 2018-06-29 16:56:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 71.100 ms
Loss rate: 8.60%
-- Flow 1:
Average throughput: 95.13 Mbit/s
95th percentile per-packet one-way delay: 71.100 ms
Loss rate: 8.60%
```

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

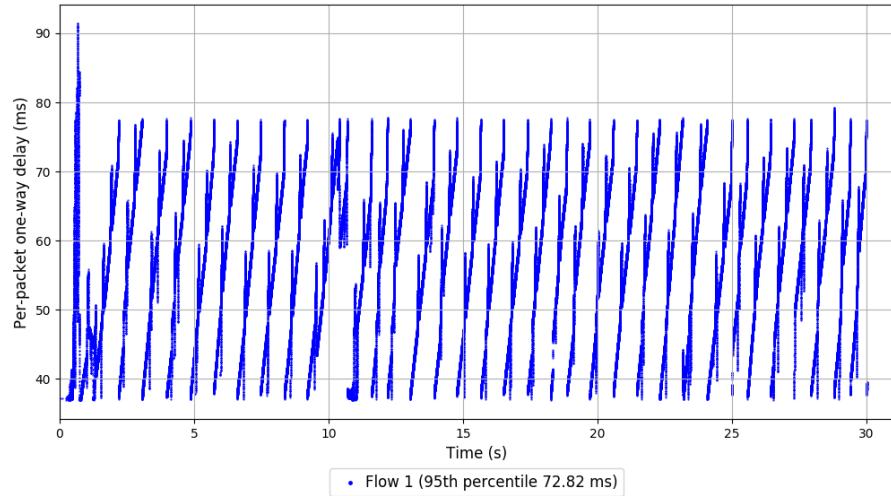
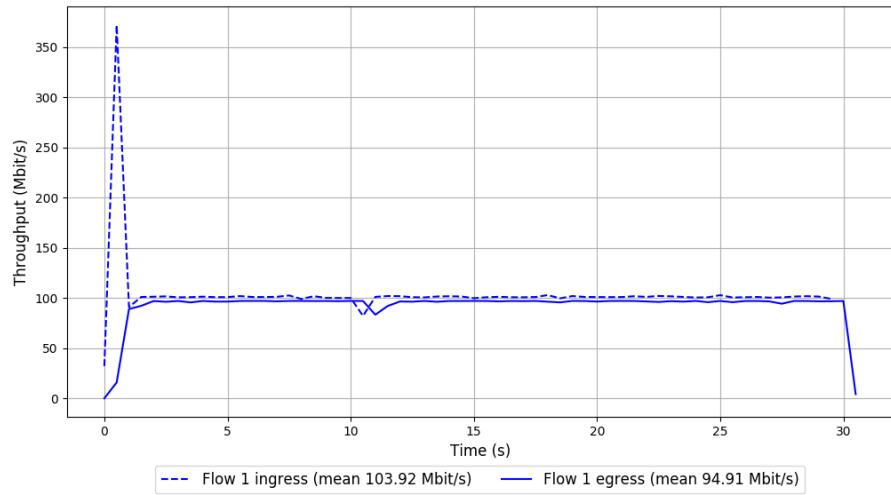


Run 2: Statistics of FillP

```
Start at: 2018-06-29 13:29:00
End at: 2018-06-29 13:29:30
Local clock offset: -3.843 ms
Remote clock offset: 3.157 ms

# Below is generated by plot.py at 2018-06-29 16:56:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 72.824 ms
Loss rate: 8.67%
-- Flow 1:
Average throughput: 94.91 Mbit/s
95th percentile per-packet one-way delay: 72.824 ms
Loss rate: 8.67%
```

## Run 2: Report of FillP — Data Link

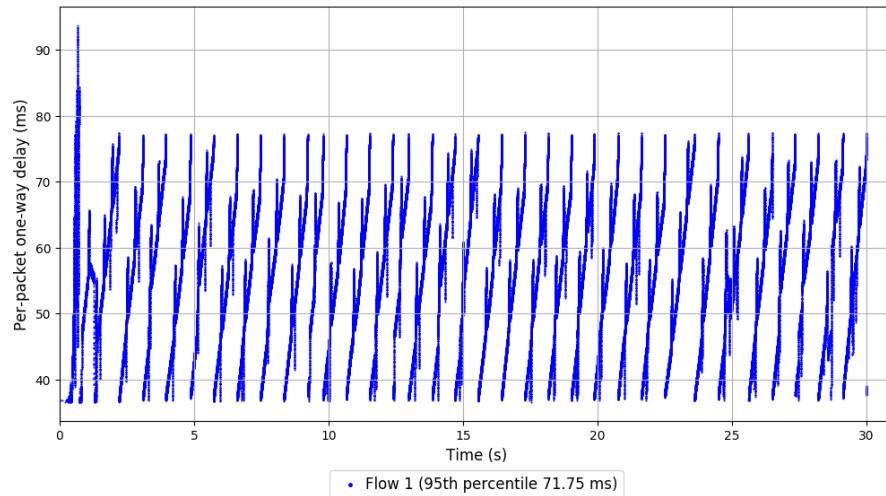
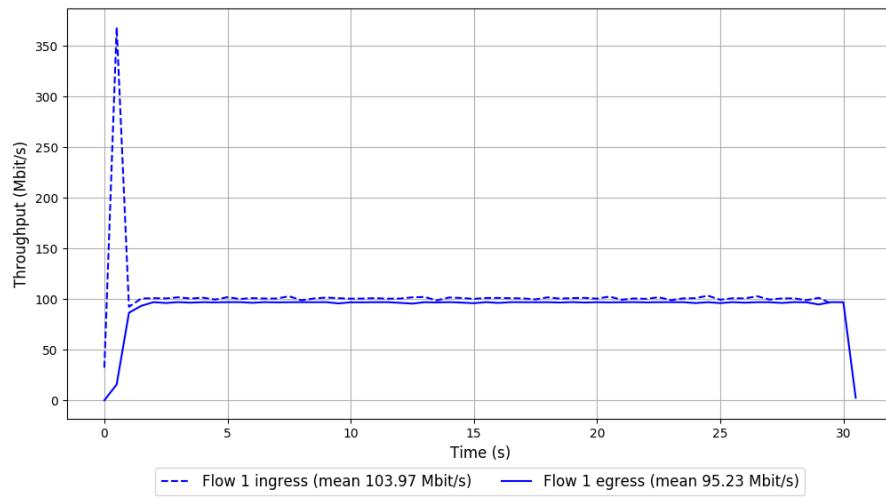


Run 3: Statistics of FillP

```
Start at: 2018-06-29 13:52:05
End at: 2018-06-29 13:52:35
Local clock offset: -2.501 ms
Remote clock offset: 2.926 ms

# Below is generated by plot.py at 2018-06-29 16:56:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 71.745 ms
Loss rate: 8.39%
-- Flow 1:
Average throughput: 95.23 Mbit/s
95th percentile per-packet one-way delay: 71.745 ms
Loss rate: 8.39%
```

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

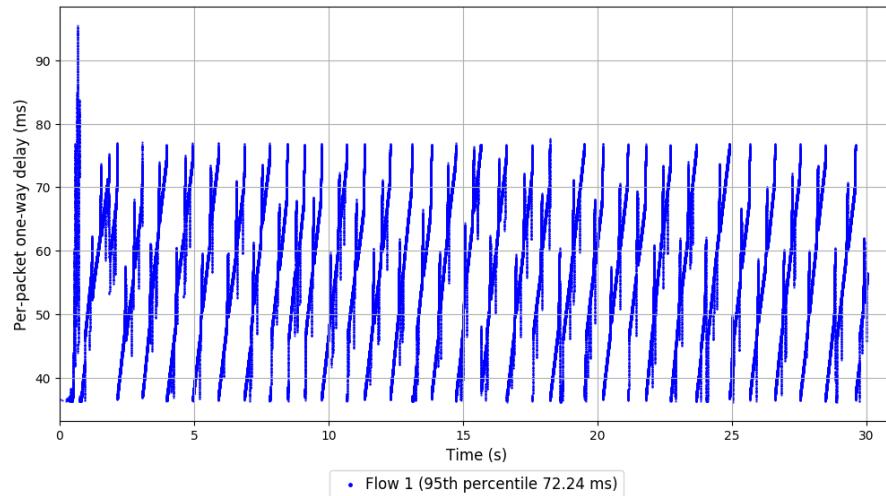
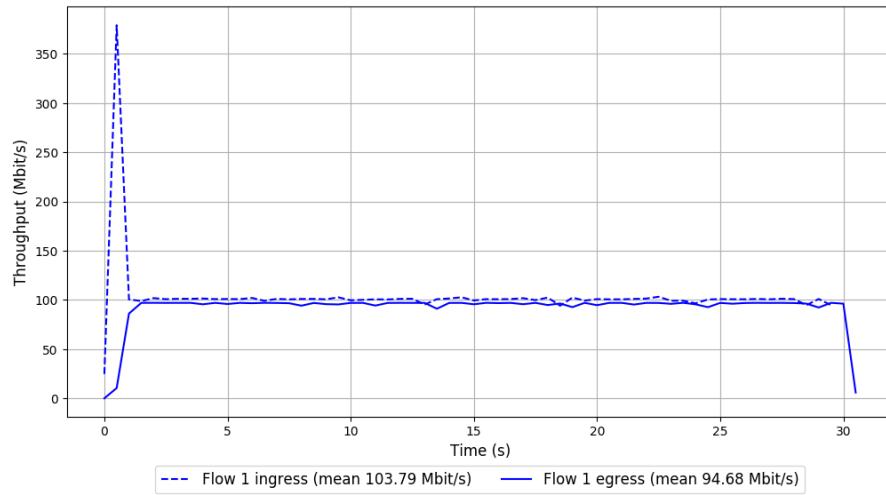


Run 4: Statistics of FillP

```
Start at: 2018-06-29 14:16:57
End at: 2018-06-29 14:17:27
Local clock offset: -0.406 ms
Remote clock offset: 2.575 ms

# Below is generated by plot.py at 2018-06-29 16:56:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.68 Mbit/s
95th percentile per-packet one-way delay: 72.244 ms
Loss rate: 8.71%
-- Flow 1:
Average throughput: 94.68 Mbit/s
95th percentile per-packet one-way delay: 72.244 ms
Loss rate: 8.71%
```

## Run 4: Report of FillP — Data Link

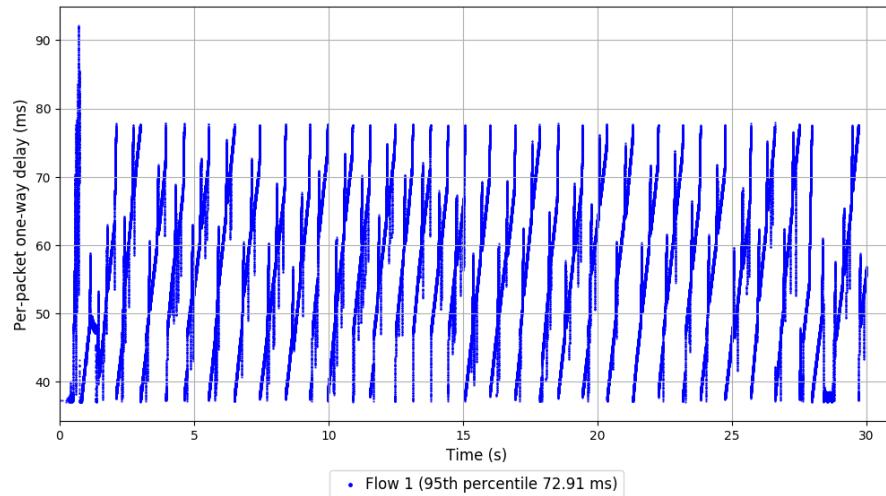
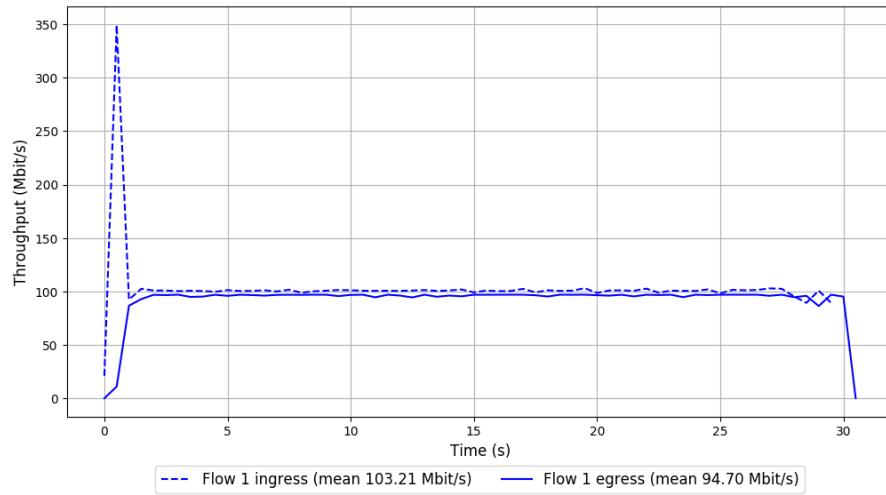


Run 5: Statistics of FillP

```
Start at: 2018-06-29 14:41:25
End at: 2018-06-29 14:41:55
Local clock offset: -3.241 ms
Remote clock offset: 0.426 ms

# Below is generated by plot.py at 2018-06-29 16:57:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 72.907 ms
Loss rate: 8.19%
-- Flow 1:
Average throughput: 94.70 Mbit/s
95th percentile per-packet one-way delay: 72.907 ms
Loss rate: 8.19%
```

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

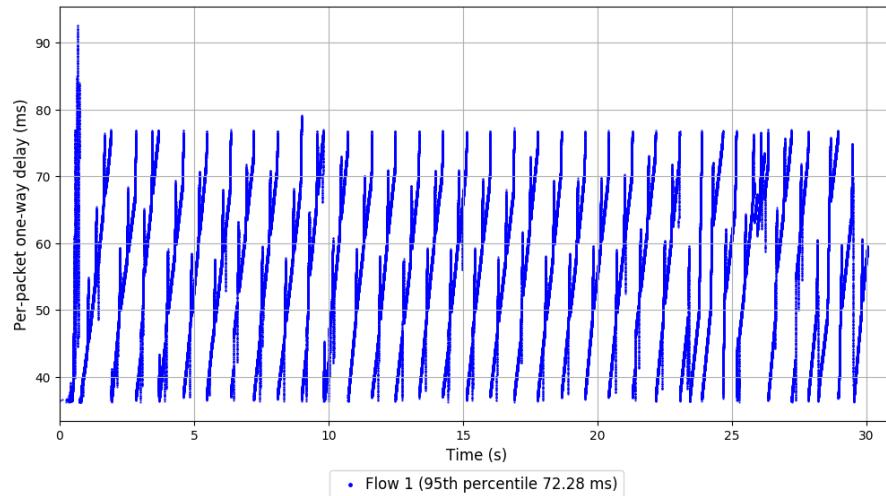
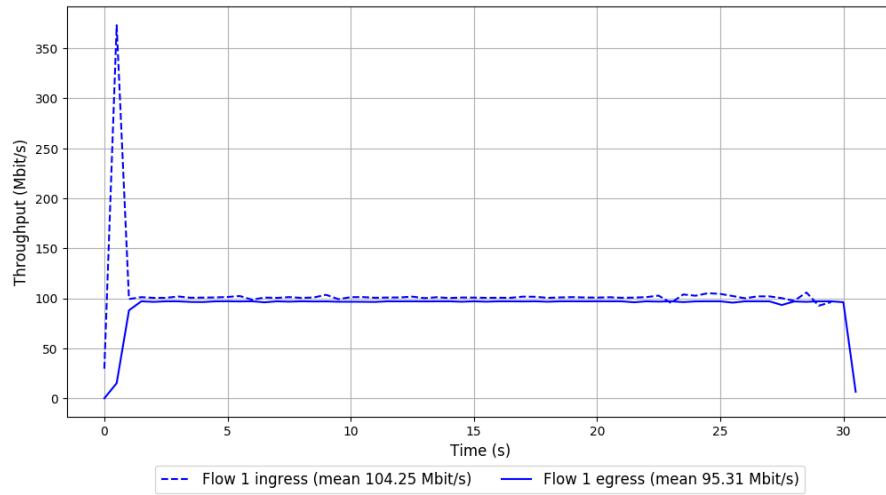


Run 6: Statistics of FillP

```
Start at: 2018-06-29 15:05:32
End at: 2018-06-29 15:06:02
Local clock offset: -2.284 ms
Remote clock offset: 3.18 ms

# Below is generated by plot.py at 2018-06-29 16:57:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 72.281 ms
Loss rate: 8.50%
-- Flow 1:
Average throughput: 95.31 Mbit/s
95th percentile per-packet one-way delay: 72.281 ms
Loss rate: 8.50%
```

## Run 6: Report of FillP — Data Link

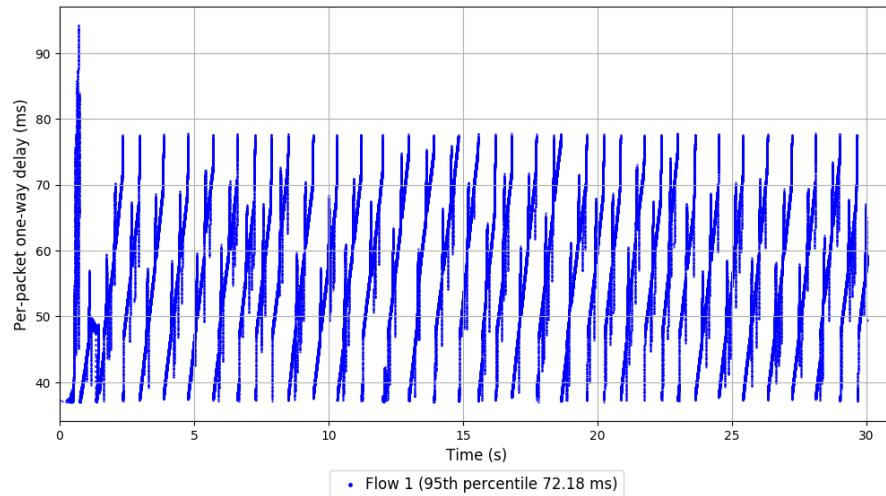
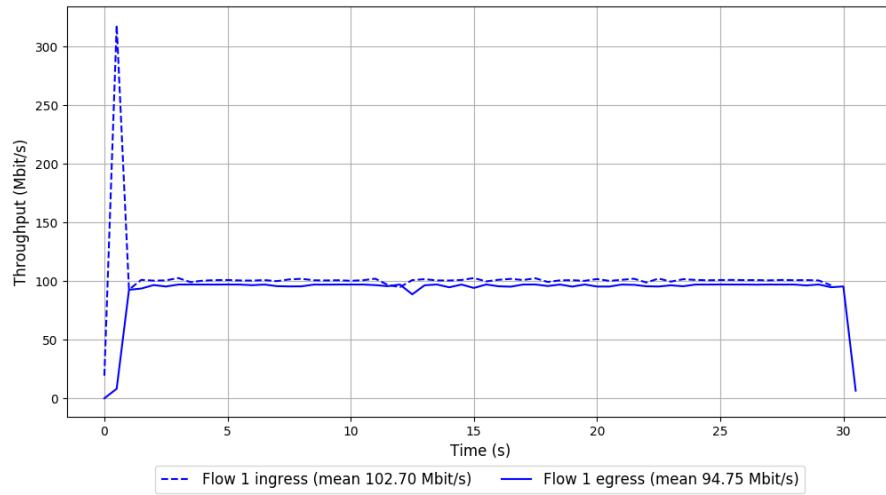


Run 7: Statistics of FillP

```
Start at: 2018-06-29 15:29:32
End at: 2018-06-29 15:30:02
Local clock offset: 1.128 ms
Remote clock offset: 4.035 ms

# Below is generated by plot.py at 2018-06-29 16:57:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 72.182 ms
Loss rate: 7.71%
-- Flow 1:
Average throughput: 94.75 Mbit/s
95th percentile per-packet one-way delay: 72.182 ms
Loss rate: 7.71%
```

## Run 7: Report of FillP — Data Link

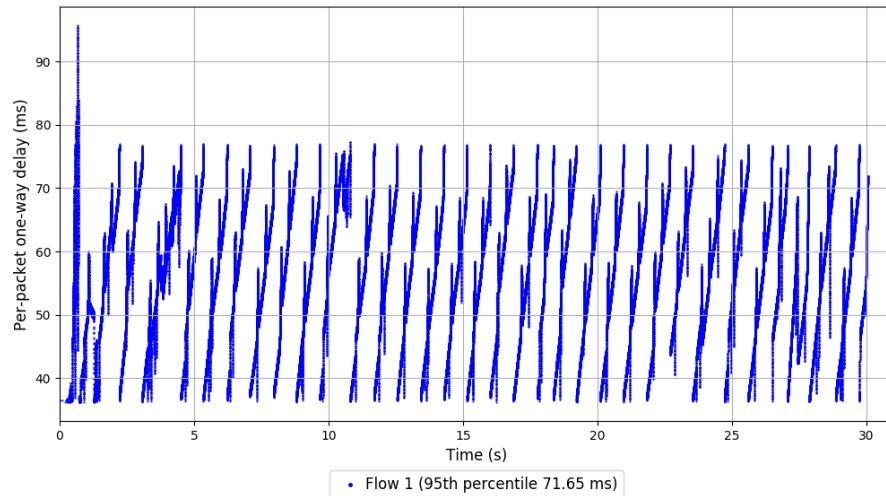
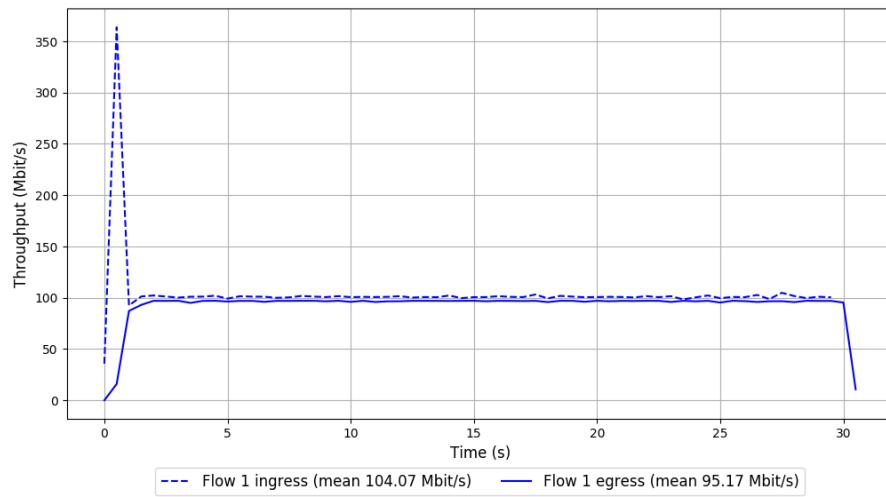


Run 8: Statistics of FillP

```
Start at: 2018-06-29 15:54:48
End at: 2018-06-29 15:55:18
Local clock offset: -0.31 ms
Remote clock offset: 4.301 ms

# Below is generated by plot.py at 2018-06-29 16:57:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.17 Mbit/s
95th percentile per-packet one-way delay: 71.652 ms
Loss rate: 8.44%
-- Flow 1:
Average throughput: 95.17 Mbit/s
95th percentile per-packet one-way delay: 71.652 ms
Loss rate: 8.44%
```

## Run 8: Report of FillP — Data Link

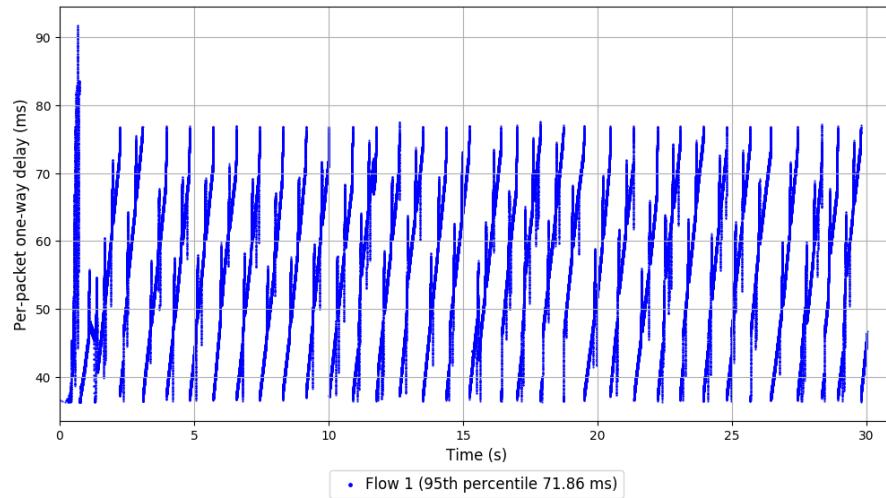
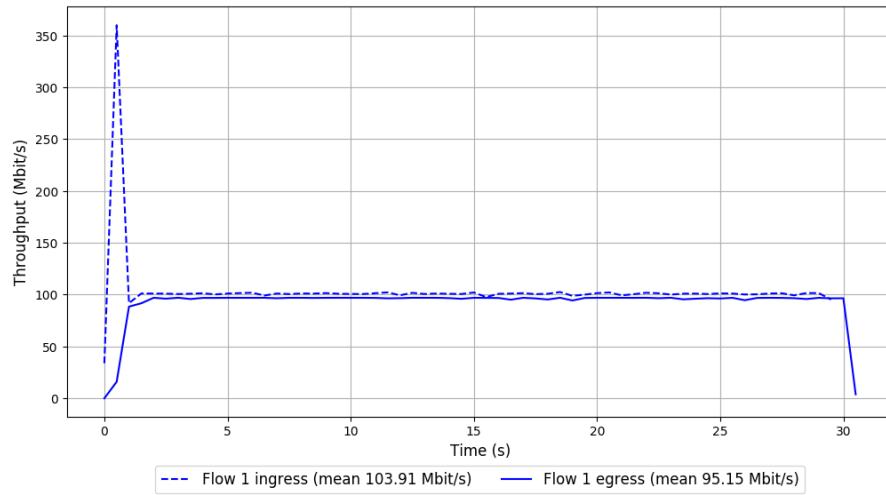


Run 9: Statistics of FillP

```
Start at: 2018-06-29 16:18:44
End at: 2018-06-29 16:19:14
Local clock offset: -1.835 ms
Remote clock offset: 4.359 ms

# Below is generated by plot.py at 2018-06-29 16:58:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 71.859 ms
Loss rate: 8.39%
-- Flow 1:
Average throughput: 95.15 Mbit/s
95th percentile per-packet one-way delay: 71.859 ms
Loss rate: 8.39%
```

### Run 9: Report of FillP — Data Link

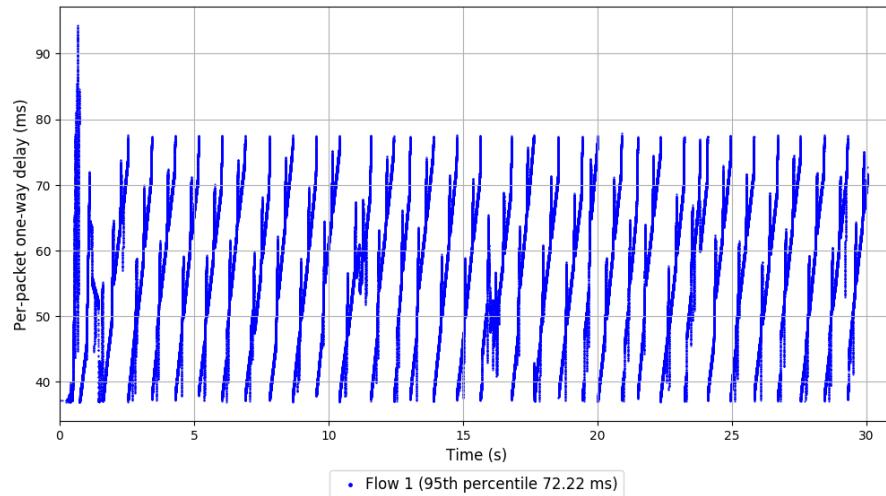
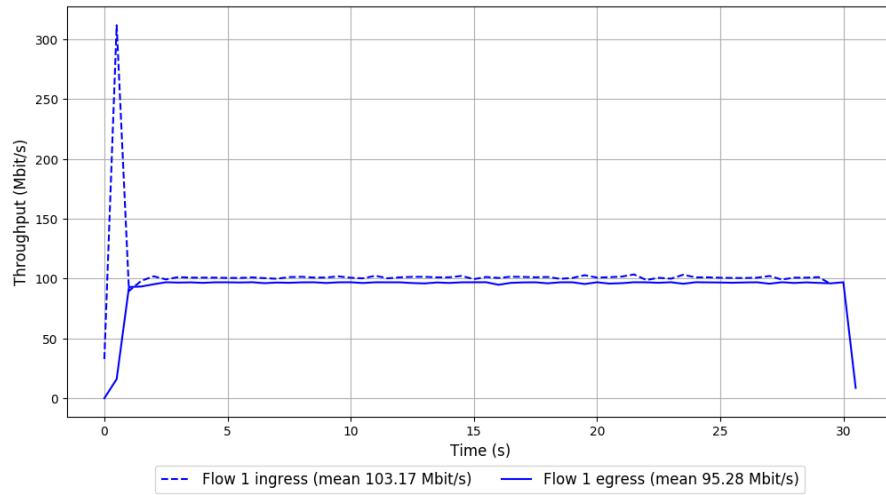


Run 10: Statistics of FillP

```
Start at: 2018-06-29 16:41:39
End at: 2018-06-29 16:42:09
Local clock offset: -1.708 ms
Remote clock offset: 6.253 ms

# Below is generated by plot.py at 2018-06-29 16:58:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 72.220 ms
Loss rate: 7.54%
-- Flow 1:
Average throughput: 95.28 Mbit/s
95th percentile per-packet one-way delay: 72.220 ms
Loss rate: 7.54%
```

## Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

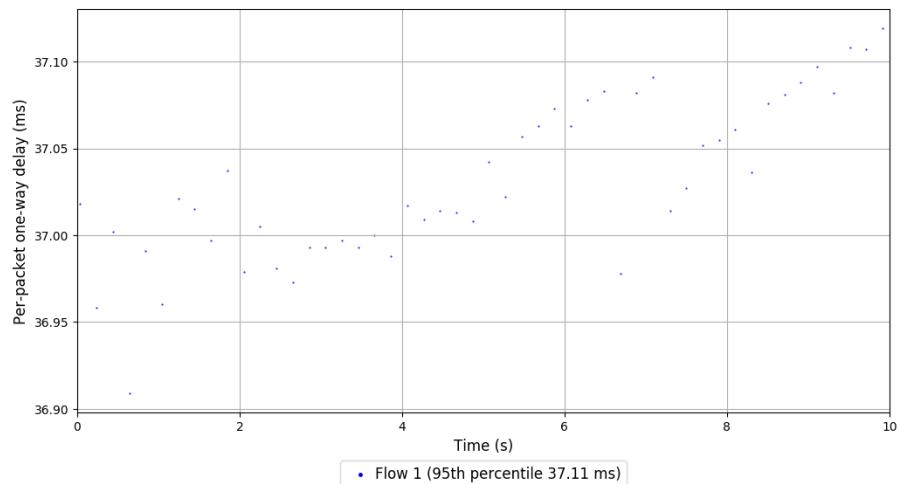
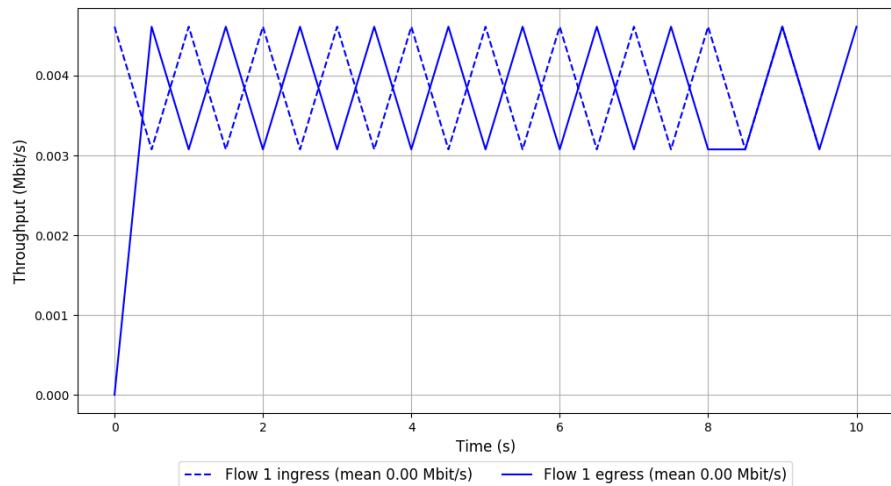
Start at: 2018-06-29 12:48:41

End at: 2018-06-29 12:49:11

Local clock offset: -9.974 ms

Remote clock offset: 5.068 ms

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



Run 2: Statistics of FillP-Sheep

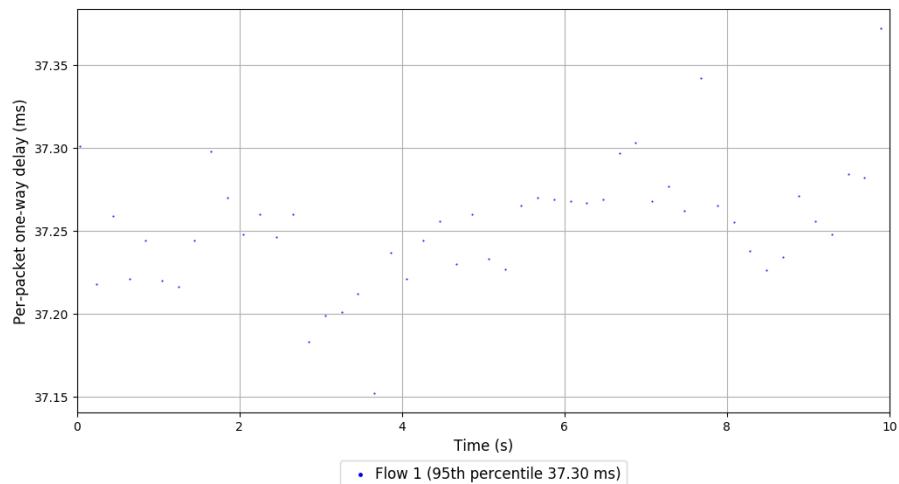
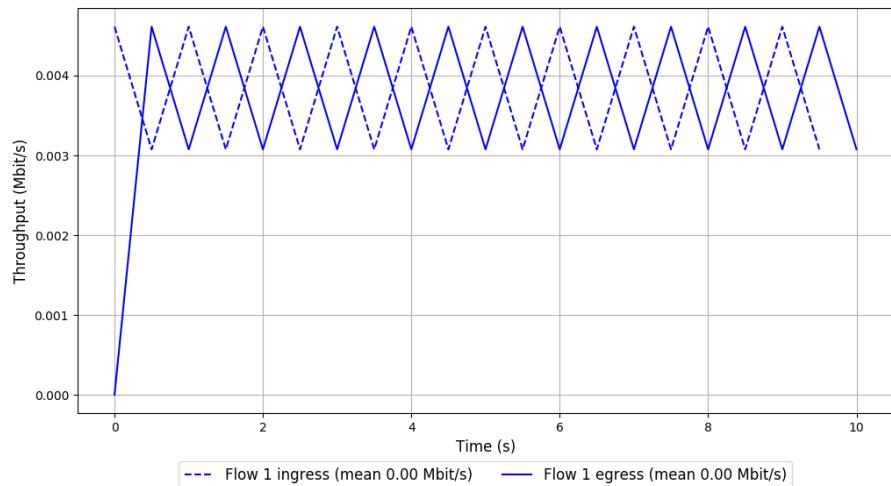
Start at: 2018-06-29 13:12:26

End at: 2018-06-29 13:12:56

Local clock offset: -3.65 ms

Remote clock offset: 6.037 ms

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



Run 3: Statistics of FillP-Sheep

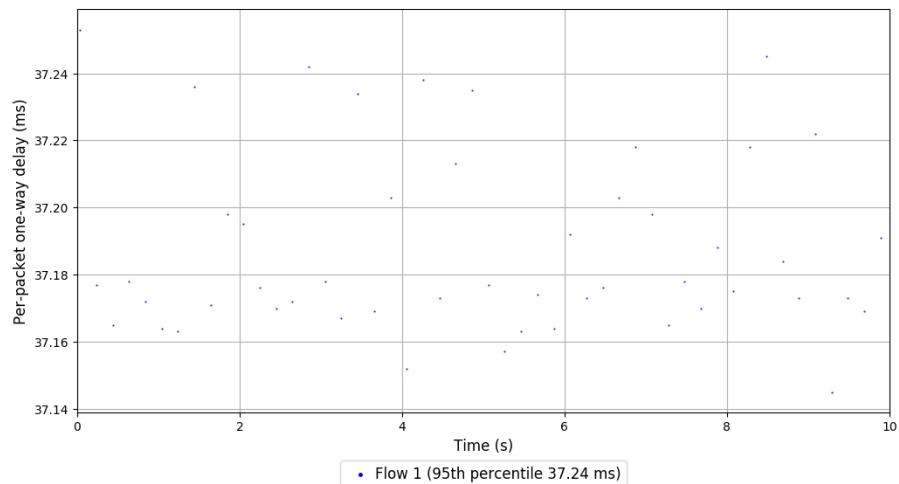
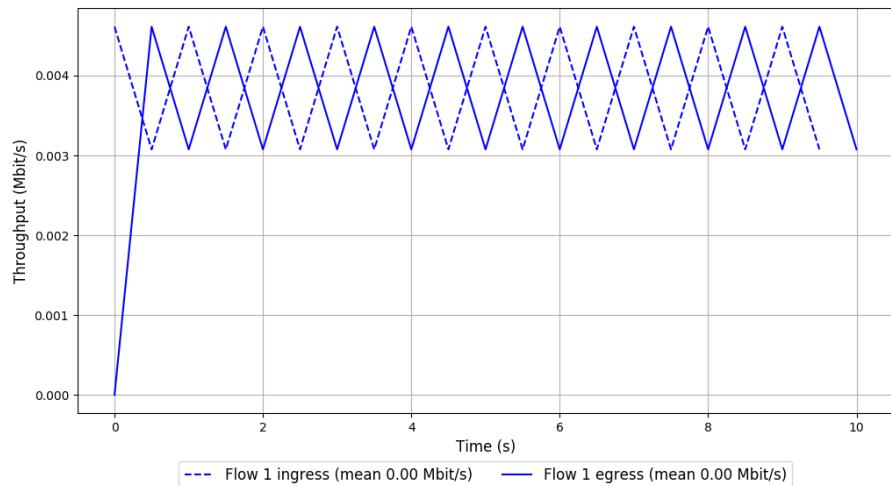
Start at: 2018-06-29 13:35:41

End at: 2018-06-29 13:36:11

Local clock offset: -4.508 ms

Remote clock offset: 2.572 ms

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



Run 4: Statistics of FillP-Sheep

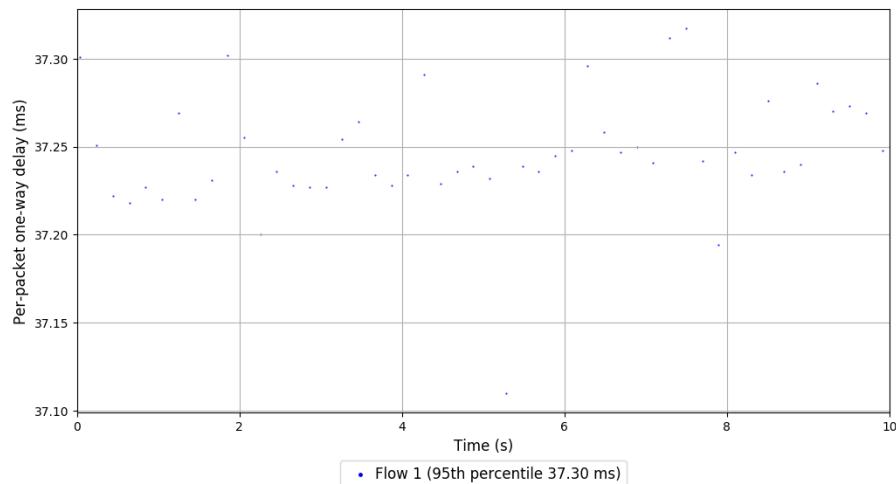
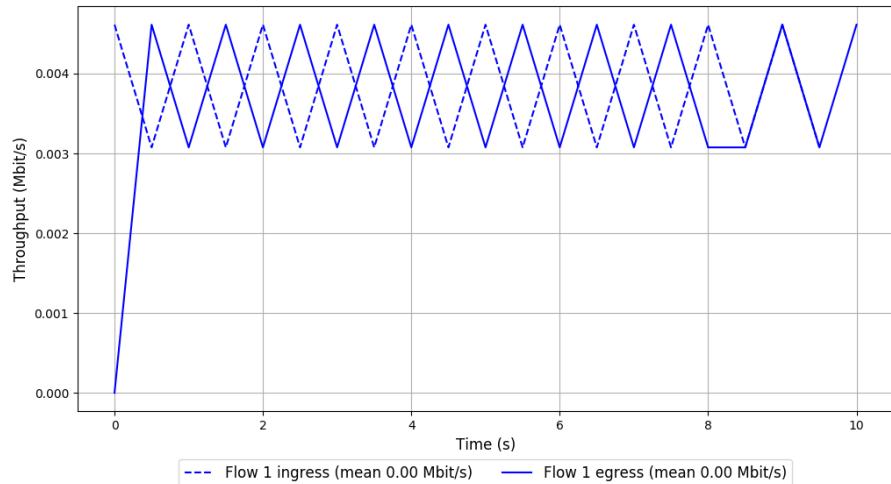
Start at: 2018-06-29 13:59:18

End at: 2018-06-29 13:59:48

Local clock offset: -0.829 ms

Remote clock offset: 3.074 ms

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



Run 5: Statistics of FillP-Sheep

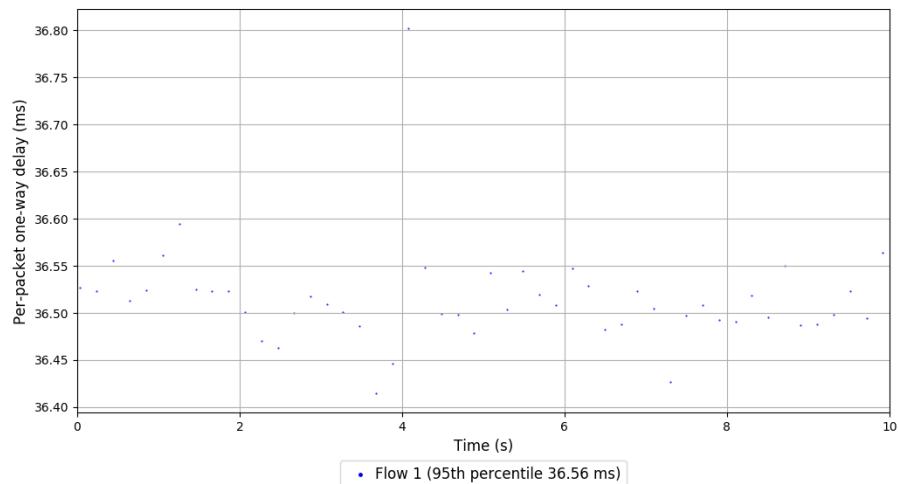
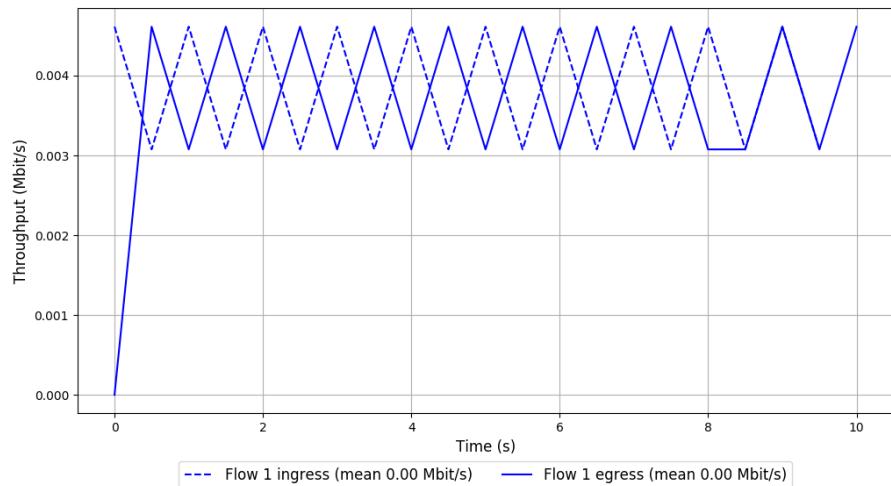
Start at: 2018-06-29 14:24:06

End at: 2018-06-29 14:24:36

Local clock offset: -1.771 ms

Remote clock offset: 1.823 ms

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



Run 6: Statistics of FillP-Sheep

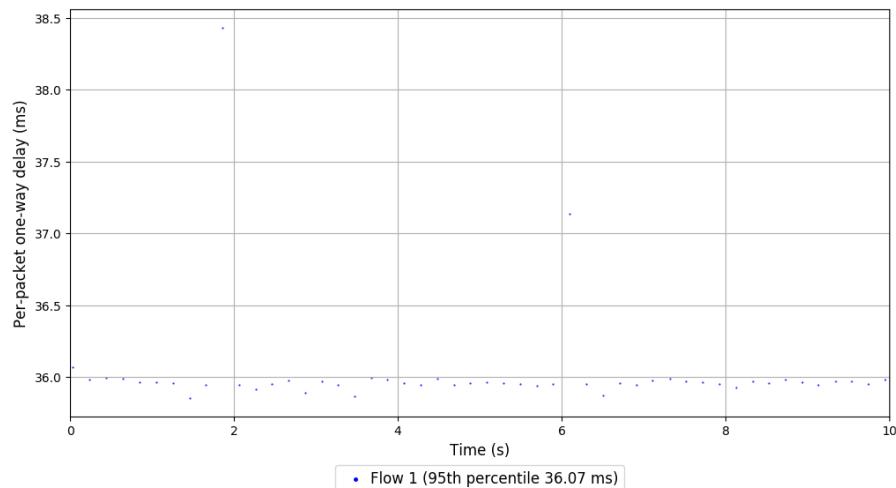
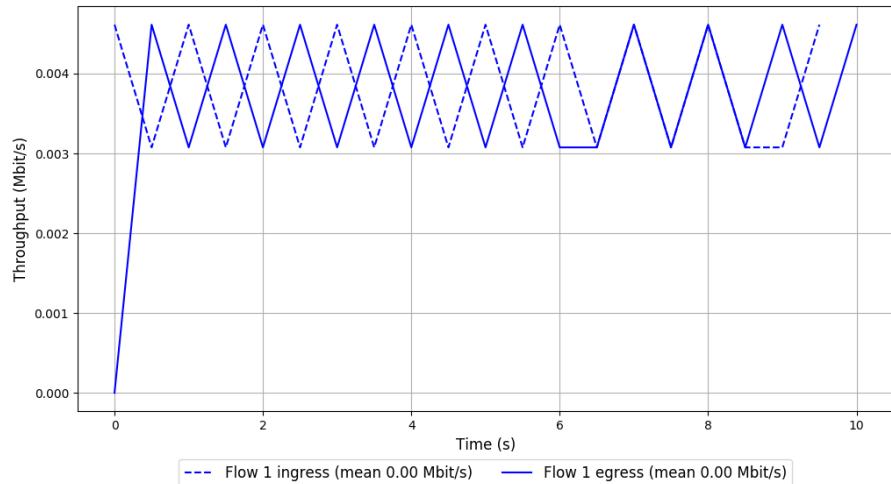
Start at: 2018-06-29 14:48:21

End at: 2018-06-29 14:48:51

Local clock offset: -3.091 ms

Remote clock offset: -0.697 ms

### Run 6: Report of FillP-Sheep — Data Link



Run 7: Statistics of FillP-Sheep

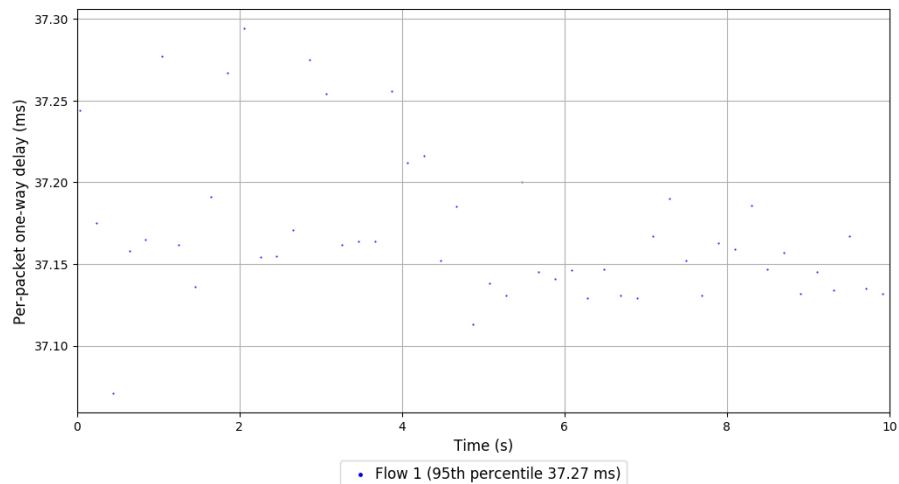
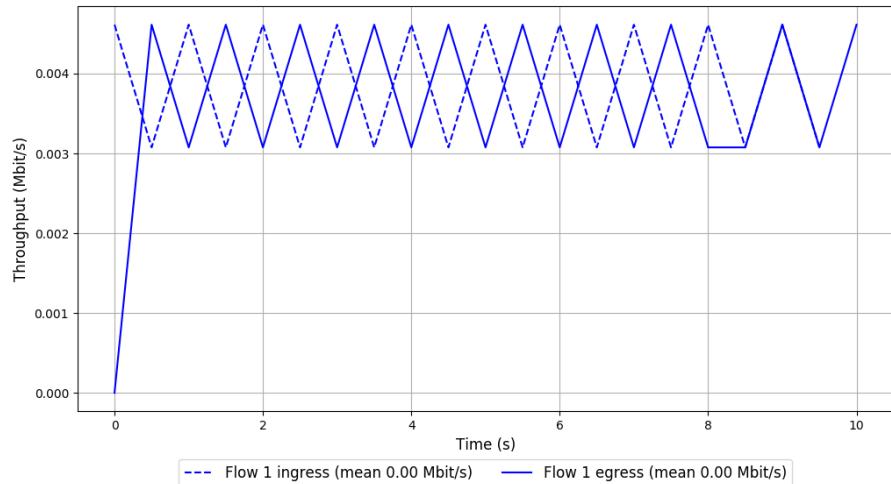
Start at: 2018-06-29 15:12:29

End at: 2018-06-29 15:12:59

Local clock offset: -2.311 ms

Remote clock offset: 3.737 ms

### Run 7: Report of FillP-Sheep — Data Link



Run 8: Statistics of FillP-Sheep

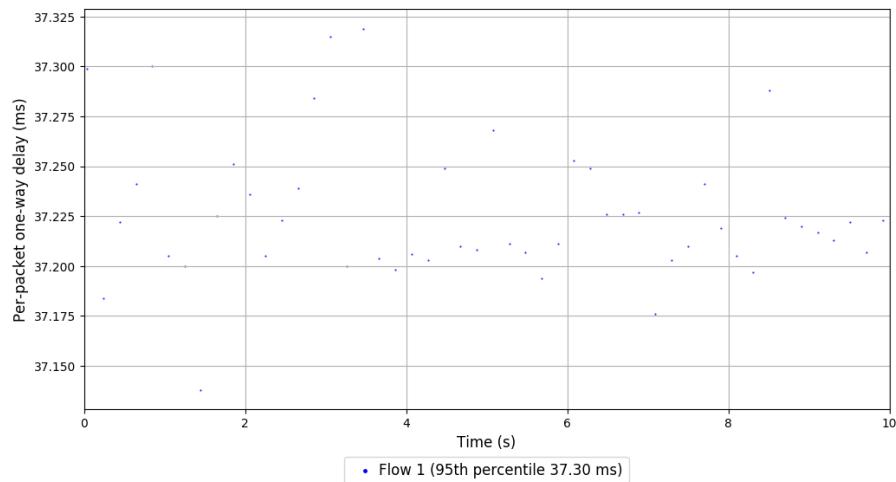
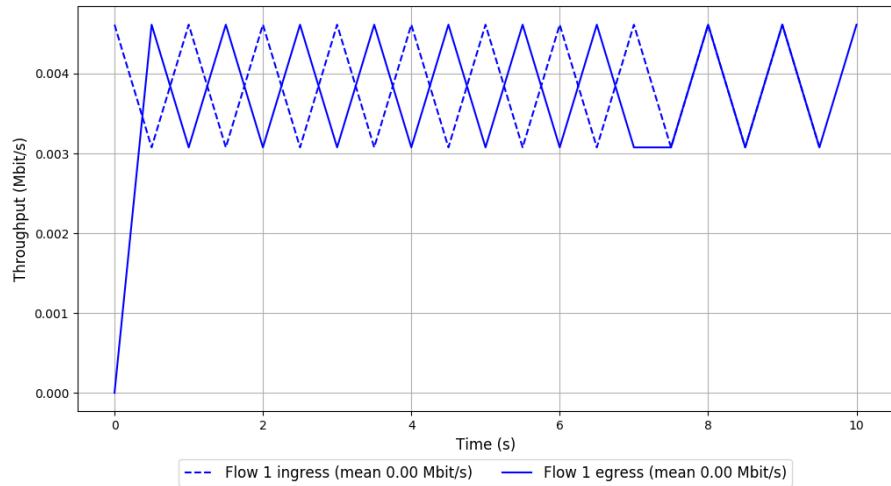
Start at: 2018-06-29 15:36:38

End at: 2018-06-29 15:37:08

Local clock offset: 1.805 ms

Remote clock offset: 4.201 ms

### Run 8: Report of FillP-Sheep — Data Link



Run 9: Statistics of FillP-Sheep

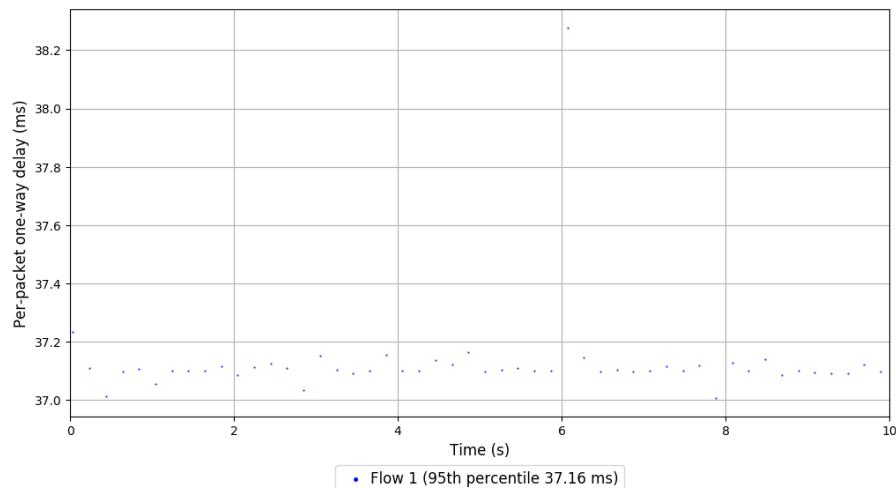
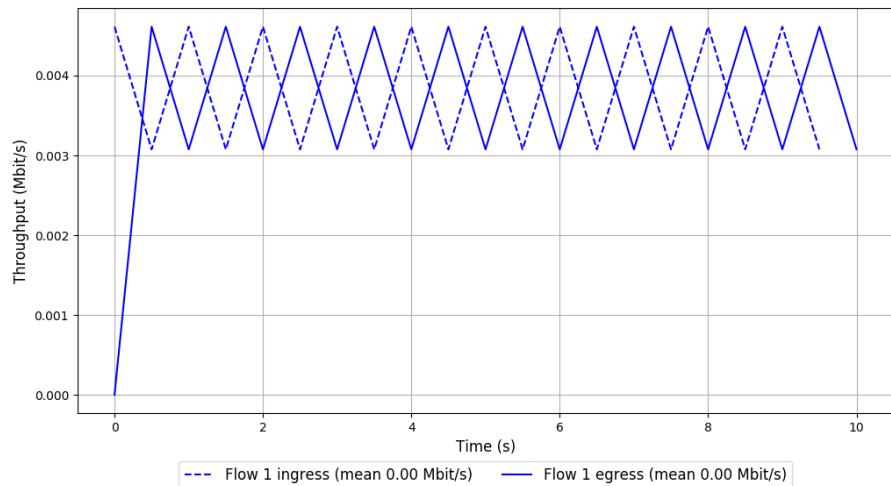
Start at: 2018-06-29 16:01:37

End at: 2018-06-29 16:02:07

Local clock offset: -1.177 ms

Remote clock offset: 4.342 ms

### Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

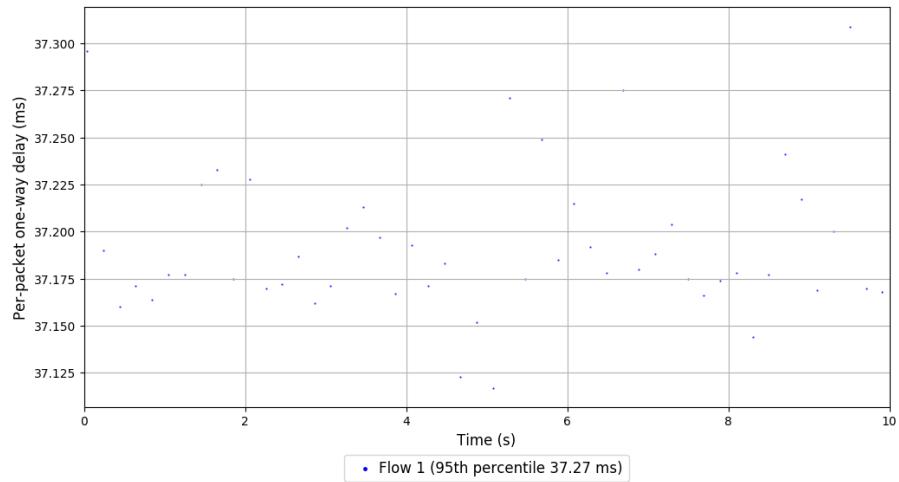
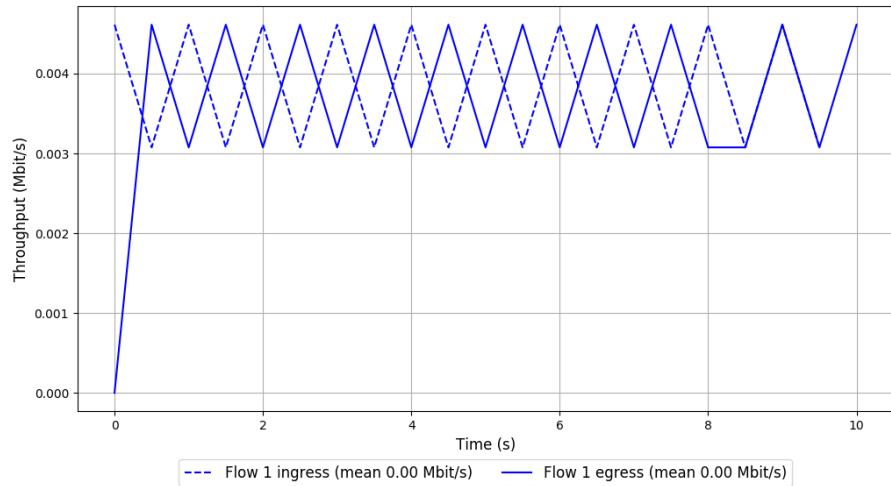
Start at: 2018-06-29 16:25:23

End at: 2018-06-29 16:25:53

Local clock offset: -1.652 ms

Remote clock offset: 4.432 ms

Run 10: Report of FillP-Sheep — Data Link

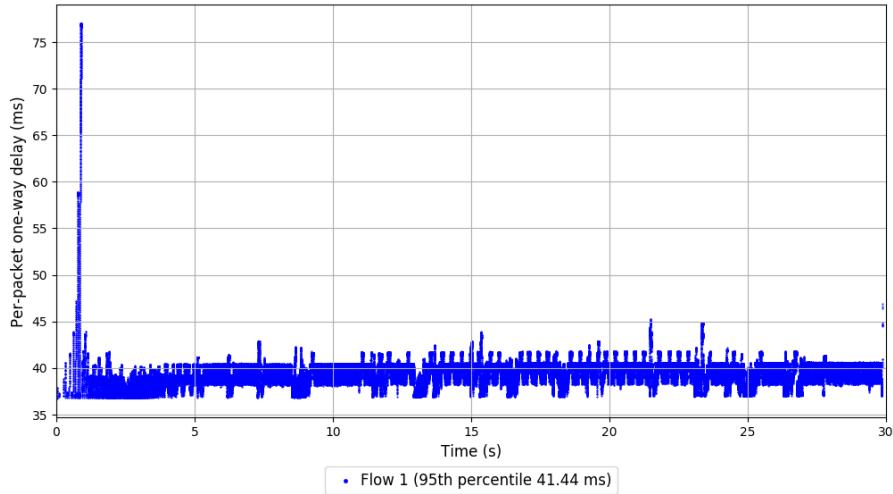
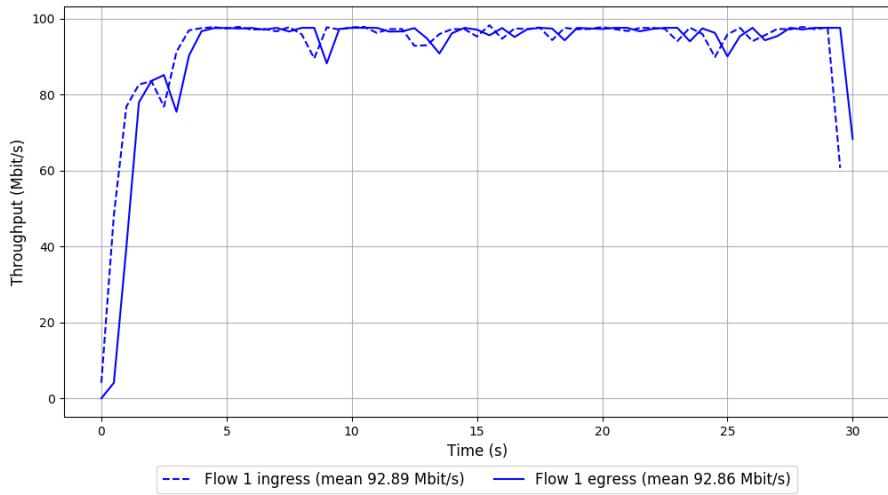


Run 1: Statistics of Indigo

```
Start at: 2018-06-29 12:52:28
End at: 2018-06-29 12:52:58
Local clock offset: -6.715 ms
Remote clock offset: 5.596 ms

# Below is generated by plot.py at 2018-06-29 16:58:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 41.440 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 92.86 Mbit/s
95th percentile per-packet one-way delay: 41.440 ms
Loss rate: 0.00%
```

Run 1: Report of Indigo — Data Link

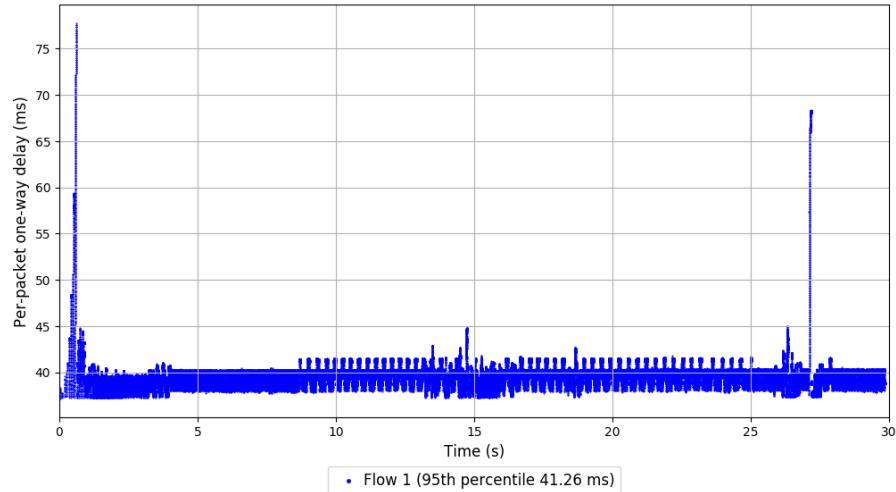
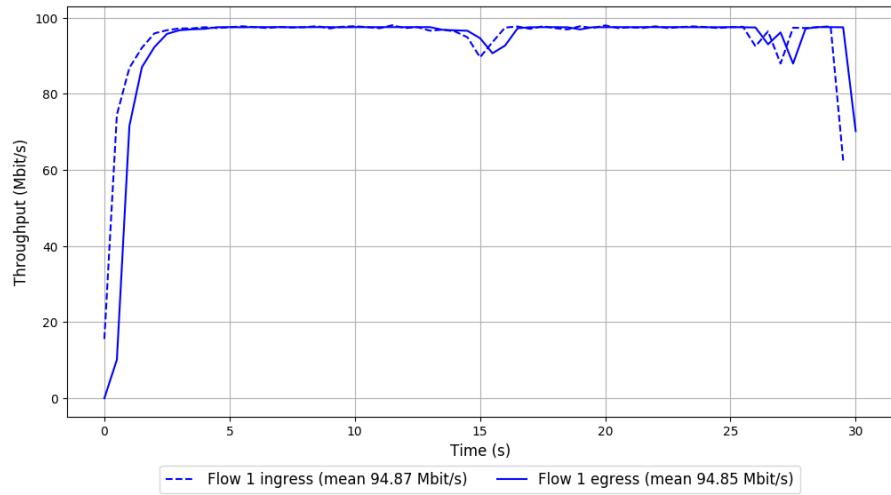


Run 2: Statistics of Indigo

```
Start at: 2018-06-29 13:16:21
End at: 2018-06-29 13:16:51
Local clock offset: -3.885 ms
Remote clock offset: 4.942 ms

# Below is generated by plot.py at 2018-06-29 16:58:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.85 Mbit/s
95th percentile per-packet one-way delay: 41.260 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 94.85 Mbit/s
95th percentile per-packet one-way delay: 41.260 ms
Loss rate: 0.01%
```

## Run 2: Report of Indigo — Data Link

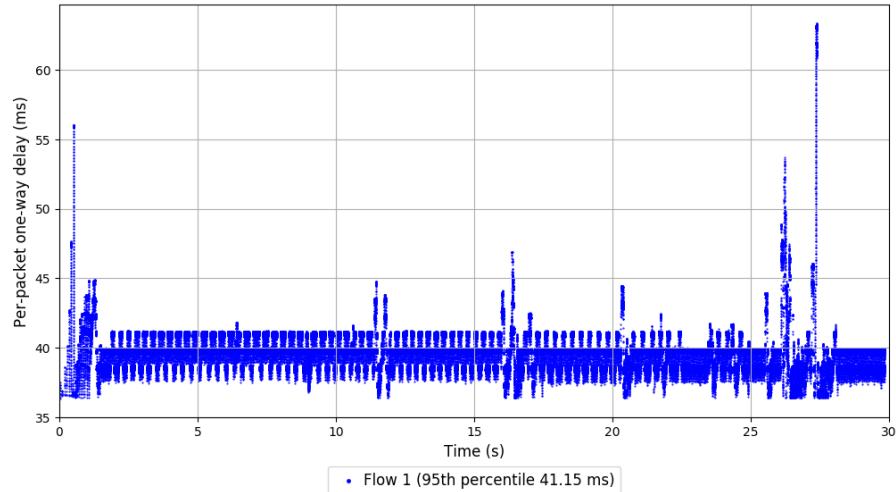
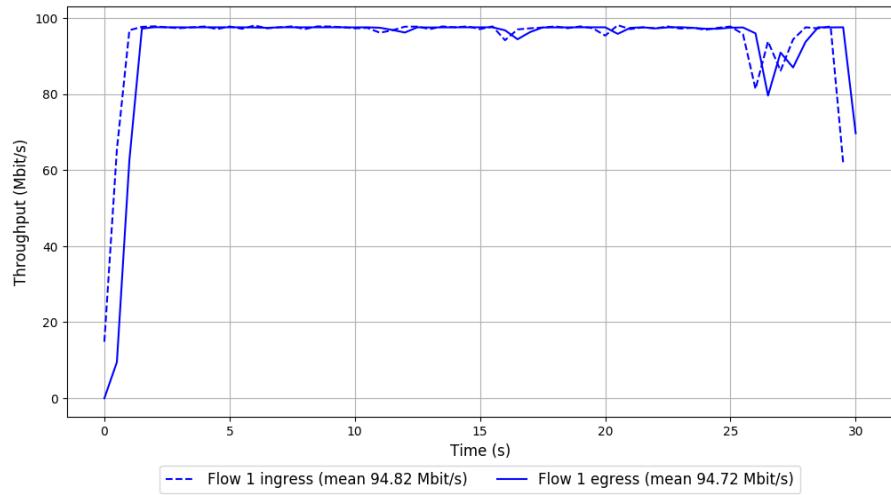


Run 3: Statistics of Indigo

```
Start at: 2018-06-29 13:39:43
End at: 2018-06-29 13:40:13
Local clock offset: -4.85 ms
Remote clock offset: 2.219 ms

# Below is generated by plot.py at 2018-06-29 16:58:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 41.149 ms
Loss rate: 0.09%
-- Flow 1:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 41.149 ms
Loss rate: 0.09%
```

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

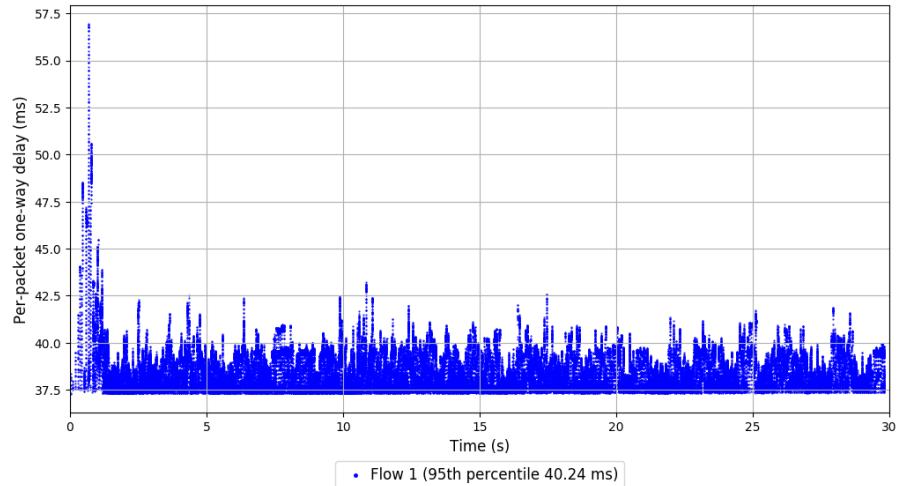
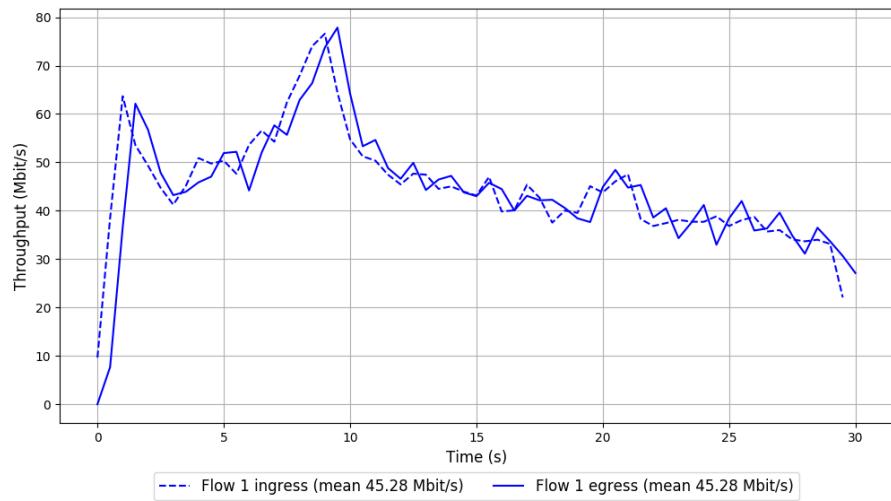


Run 4: Statistics of Indigo

```
Start at: 2018-06-29 14:03:30
End at: 2018-06-29 14:04:00
Local clock offset: -0.501 ms
Remote clock offset: 3.021 ms

# Below is generated by plot.py at 2018-06-29 16:58:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 45.28 Mbit/s
95th percentile per-packet one-way delay: 40.239 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 45.28 Mbit/s
95th percentile per-packet one-way delay: 40.239 ms
Loss rate: 0.00%
```

## Run 4: Report of Indigo — Data Link

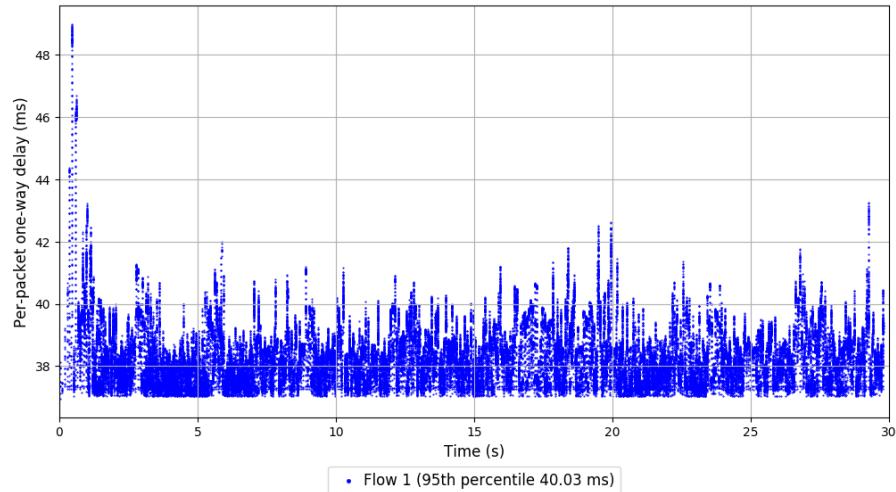
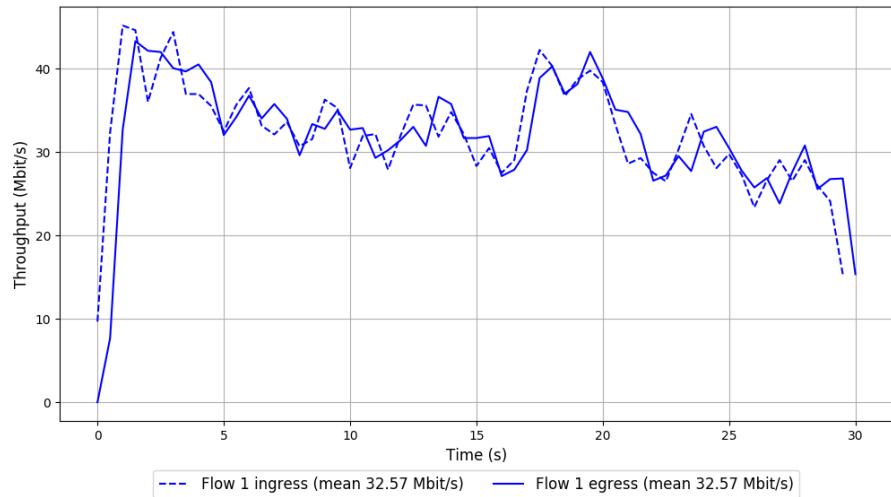


Run 5: Statistics of Indigo

```
Start at: 2018-06-29 14:28:12
End at: 2018-06-29 14:28:42
Local clock offset: -2.171 ms
Remote clock offset: 1.343 ms

# Below is generated by plot.py at 2018-06-29 16:58:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 40.026 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 32.57 Mbit/s
95th percentile per-packet one-way delay: 40.026 ms
Loss rate: 0.00%
```

## Run 5: Report of Indigo — Data Link

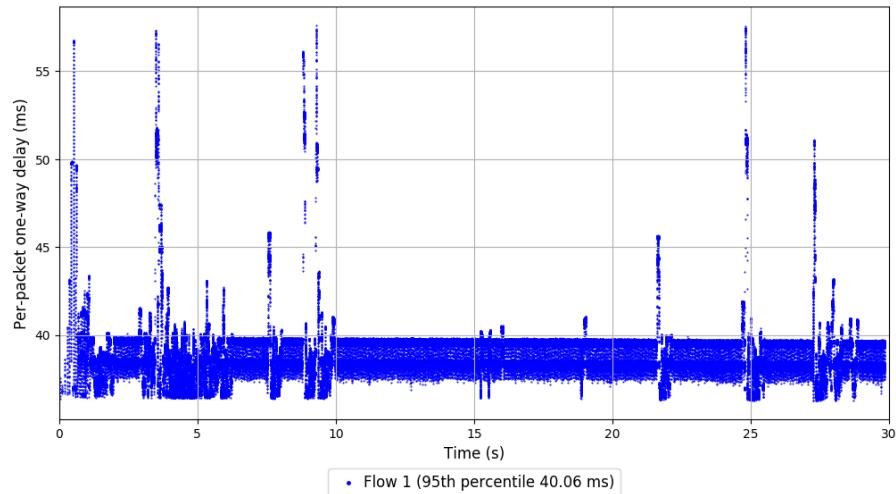
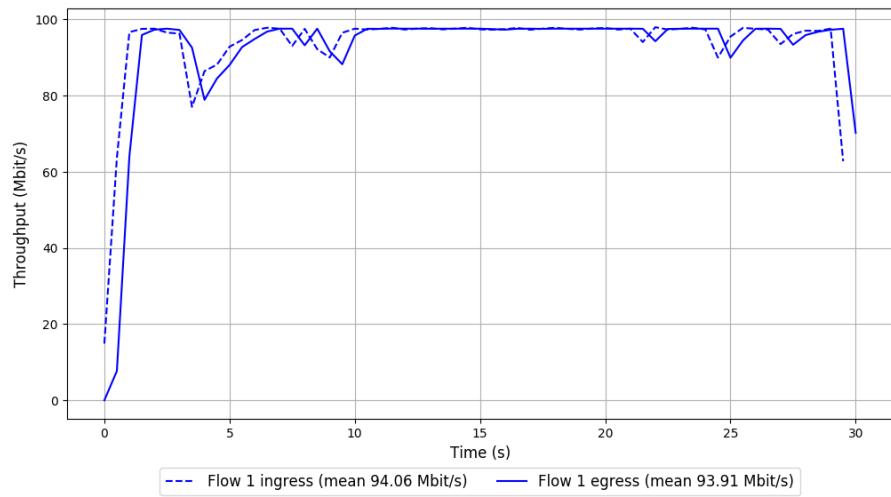


Run 6: Statistics of Indigo

```
Start at: 2018-06-29 14:52:30
End at: 2018-06-29 14:53:01
Local clock offset: -2.73 ms
Remote clock offset: -0.121 ms

# Below is generated by plot.py at 2018-06-29 16:58:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.91 Mbit/s
95th percentile per-packet one-way delay: 40.057 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 93.91 Mbit/s
95th percentile per-packet one-way delay: 40.057 ms
Loss rate: 0.14%
```

Run 6: Report of Indigo — Data Link

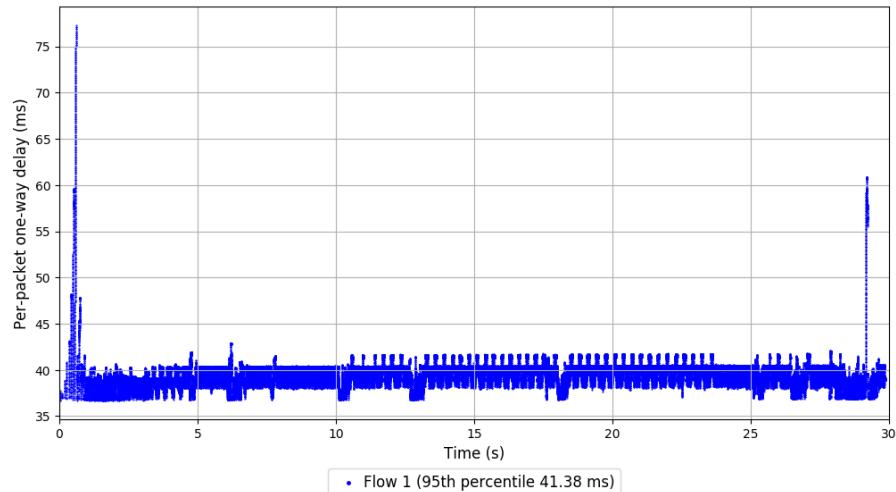
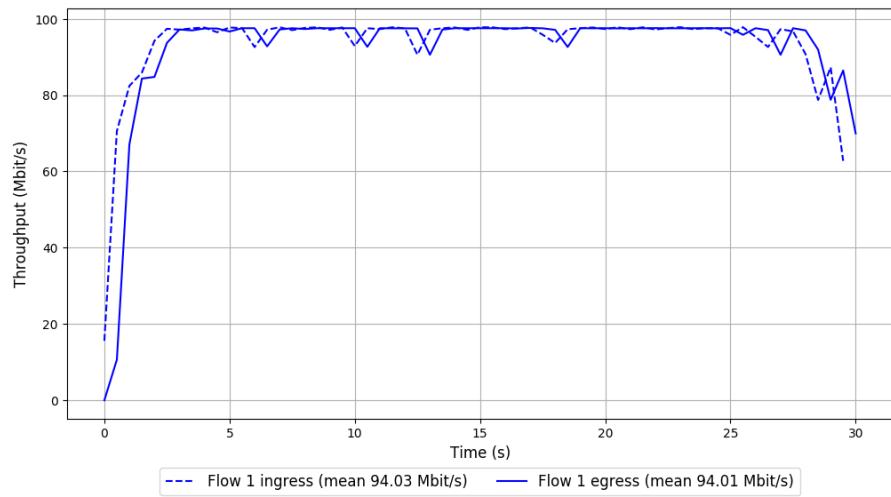


Run 7: Statistics of Indigo

```
Start at: 2018-06-29 15:16:36
End at: 2018-06-29 15:17:06
Local clock offset: -2.074 ms
Remote clock offset: 3.818 ms

# Below is generated by plot.py at 2018-06-29 16:59:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 41.375 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 94.01 Mbit/s
95th percentile per-packet one-way delay: 41.375 ms
Loss rate: 0.02%
```

Run 7: Report of Indigo — Data Link

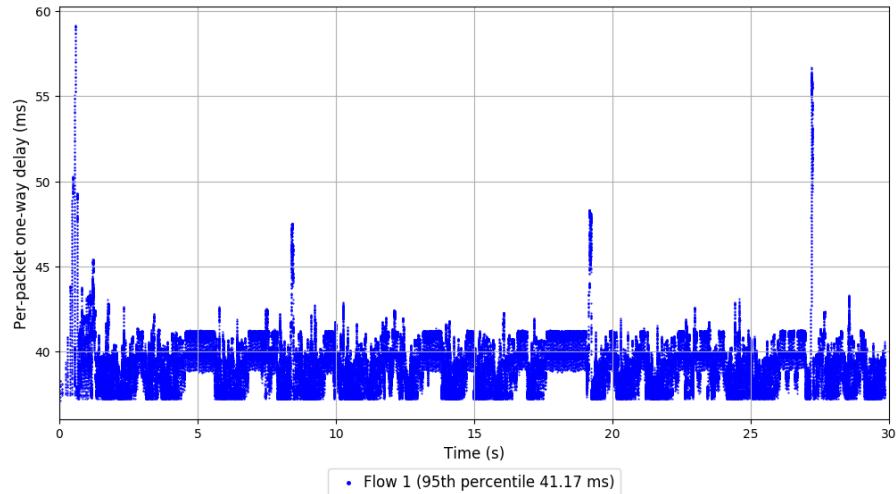
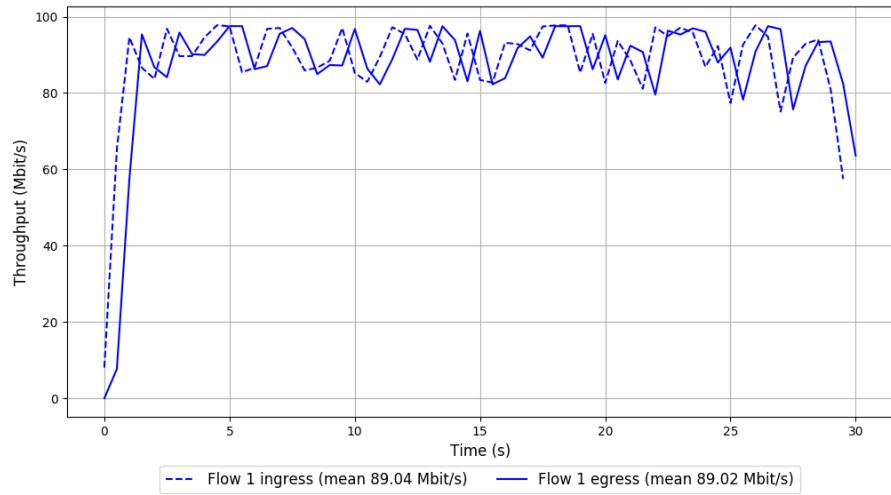


Run 8: Statistics of Indigo

```
Start at: 2018-06-29 15:40:52
End at: 2018-06-29 15:41:22
Local clock offset: 2.082 ms
Remote clock offset: 4.228 ms

# Below is generated by plot.py at 2018-06-29 16:59:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.02 Mbit/s
95th percentile per-packet one-way delay: 41.169 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 89.02 Mbit/s
95th percentile per-packet one-way delay: 41.169 ms
Loss rate: 0.01%
```

Run 8: Report of Indigo — Data Link

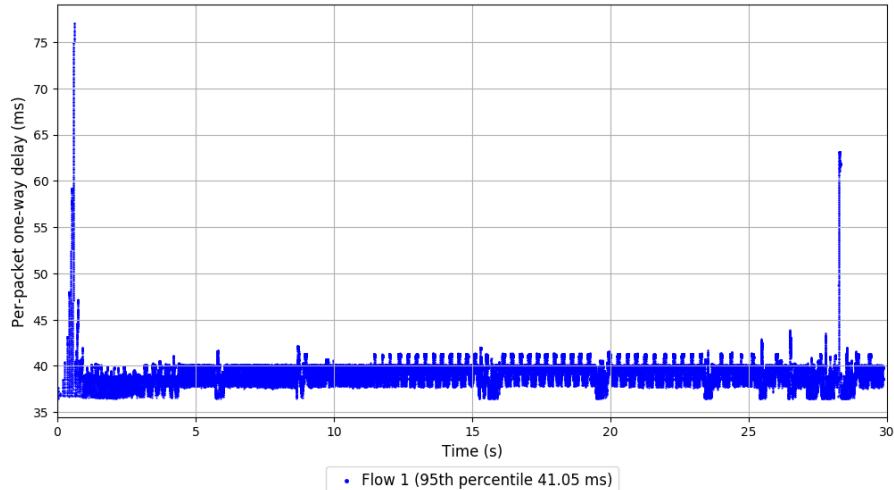
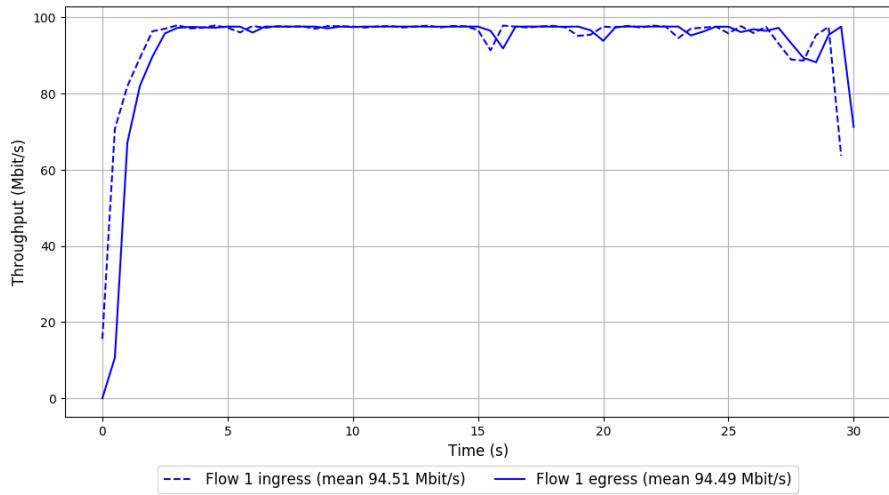


Run 9: Statistics of Indigo

```
Start at: 2018-06-29 16:05:33
End at: 2018-06-29 16:06:03
Local clock offset: -1.602 ms
Remote clock offset: 4.29 ms

# Below is generated by plot.py at 2018-06-29 16:59:15
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.49 Mbit/s
95th percentile per-packet one-way delay: 41.049 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 94.49 Mbit/s
95th percentile per-packet one-way delay: 41.049 ms
Loss rate: 0.02%
```

## Run 9: Report of Indigo — Data Link

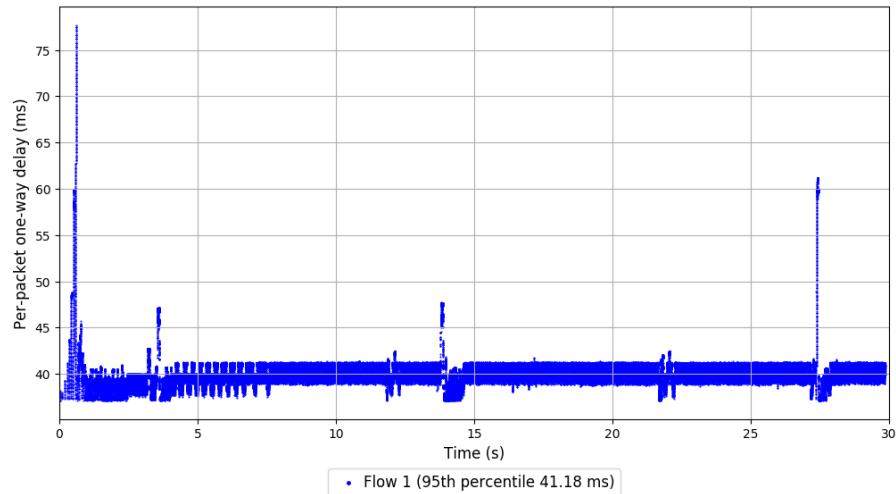
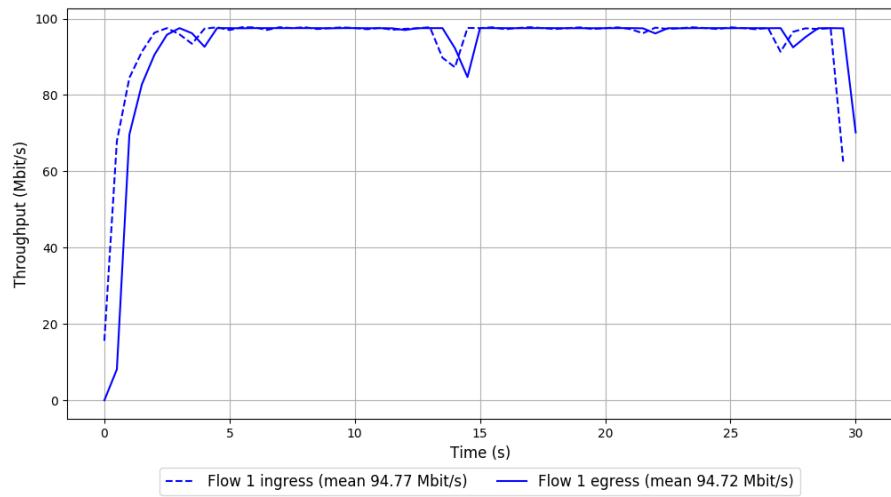


Run 10: Statistics of Indigo

```
Start at: 2018-06-29 16:29:22
End at: 2018-06-29 16:29:52
Local clock offset: -1.611 ms
Remote clock offset: 4.41 ms

# Below is generated by plot.py at 2018-06-29 16:59:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 41.180 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 94.72 Mbit/s
95th percentile per-packet one-way delay: 41.180 ms
Loss rate: 0.03%
```

## Run 10: Report of Indigo — Data Link

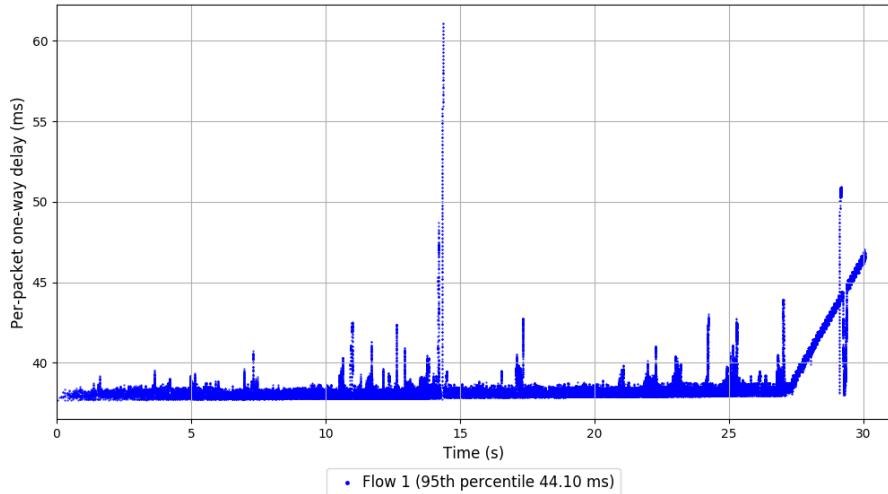
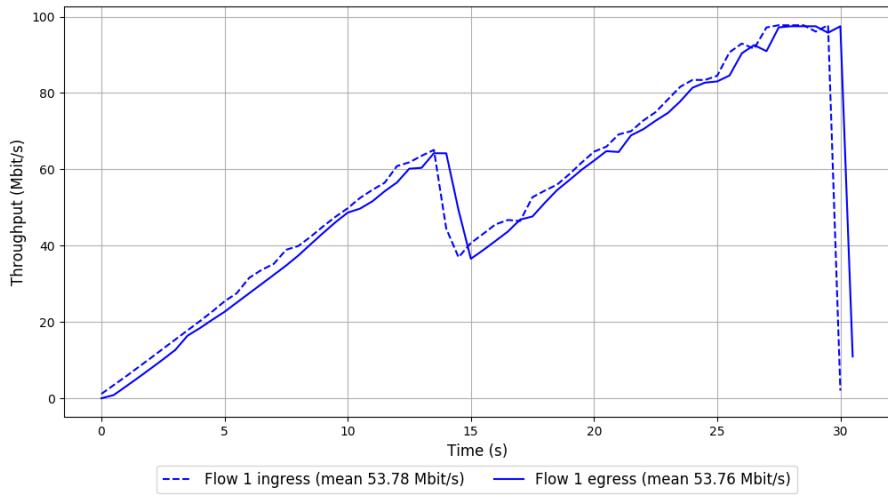


```
Run 1: Statistics of LEDBAT
```

```
Start at: 2018-06-29 12:49:56
End at: 2018-06-29 12:50:26
Local clock offset: -8.786 ms
Remote clock offset: 5.243 ms

# Below is generated by plot.py at 2018-06-29 16:59:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.76 Mbit/s
95th percentile per-packet one-way delay: 44.102 ms
Loss rate: 0.02%
-- Flow 1:
Average throughput: 53.76 Mbit/s
95th percentile per-packet one-way delay: 44.102 ms
Loss rate: 0.02%
```

Run 1: Report of LEDBAT — Data Link

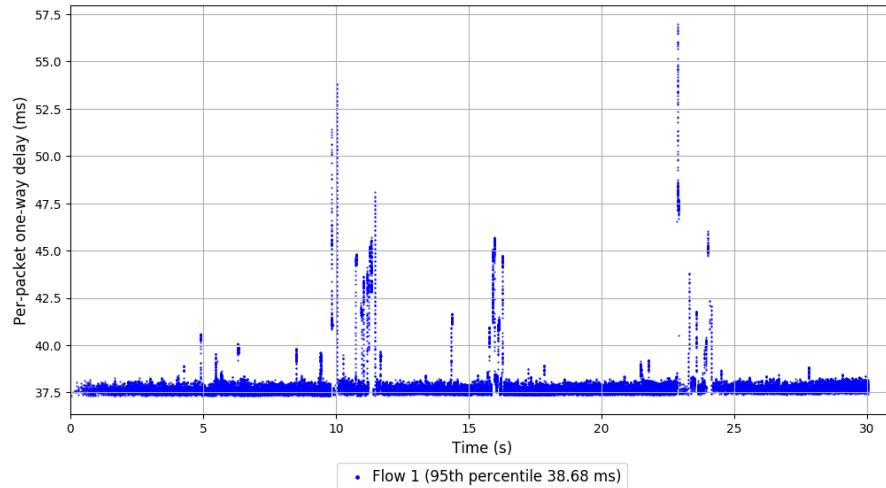
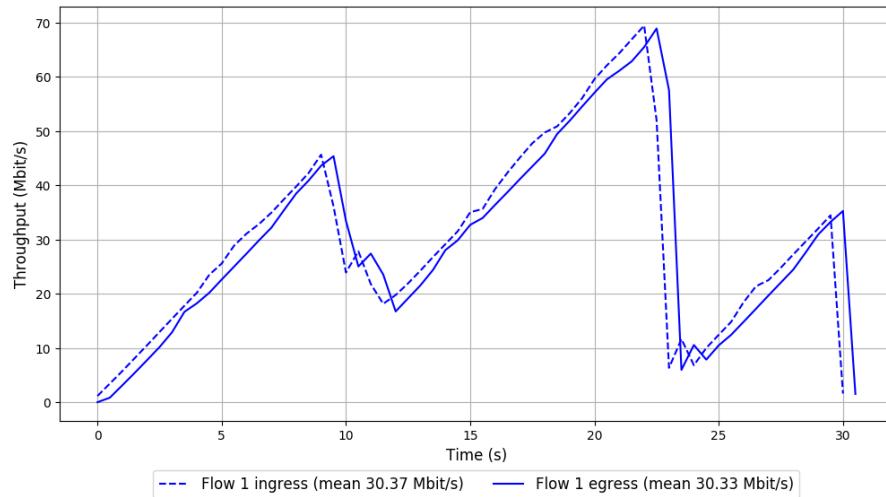


Run 2: Statistics of LEDBAT

```
Start at: 2018-06-29 13:13:41
End at: 2018-06-29 13:14:11
Local clock offset: -3.847 ms
Remote clock offset: 5.652 ms

# Below is generated by plot.py at 2018-06-29 16:59:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 30.33 Mbit/s
95th percentile per-packet one-way delay: 38.676 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 30.33 Mbit/s
95th percentile per-packet one-way delay: 38.676 ms
Loss rate: 0.11%
```

## Run 2: Report of LEDBAT — Data Link

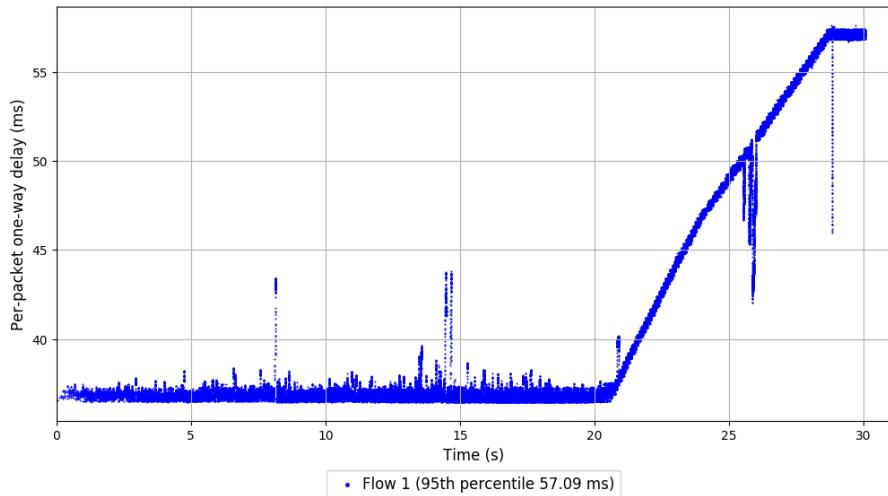
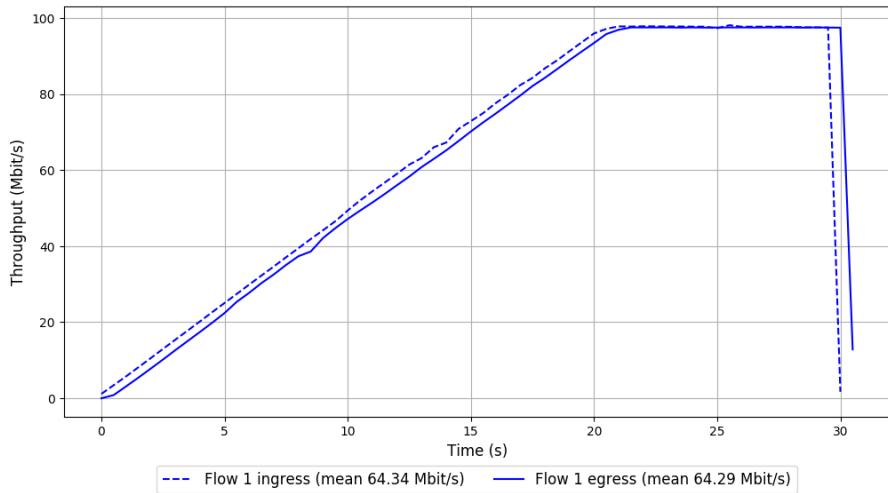


Run 3: Statistics of LEDBAT

```
Start at: 2018-06-29 13:36:55
End at: 2018-06-29 13:37:25
Local clock offset: -4.665 ms
Remote clock offset: 2.424 ms

# Below is generated by plot.py at 2018-06-29 16:59:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.29 Mbit/s
95th percentile per-packet one-way delay: 57.086 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 64.29 Mbit/s
95th percentile per-packet one-way delay: 57.086 ms
Loss rate: 0.00%
```

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

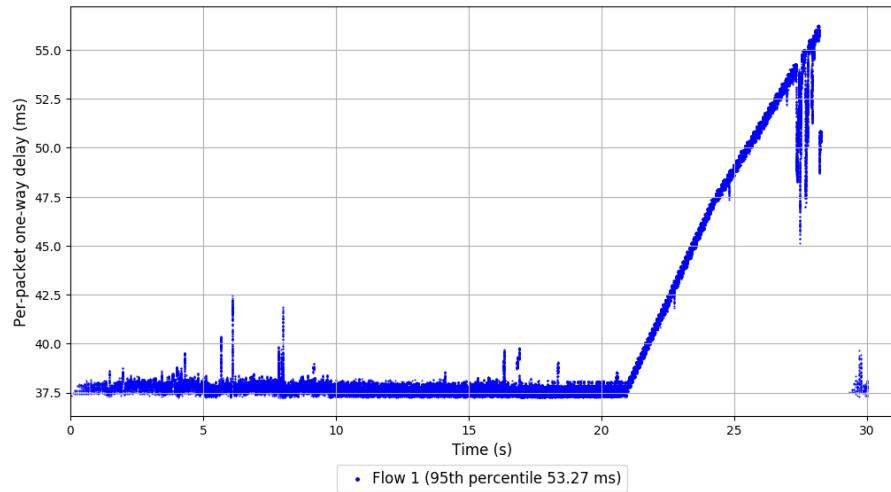
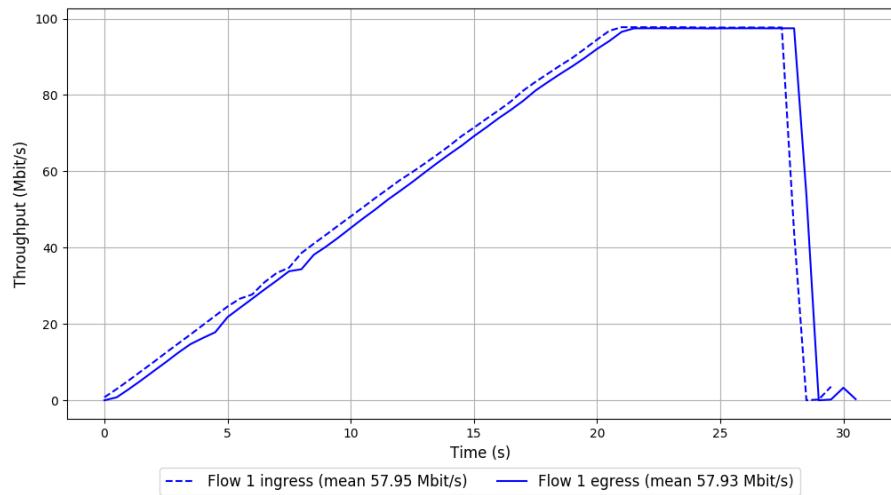


Run 4: Statistics of LEDBAT

```
Start at: 2018-06-29 14:00:33
End at: 2018-06-29 14:01:03
Local clock offset: -0.682 ms
Remote clock offset: 3.087 ms

# Below is generated by plot.py at 2018-06-29 16:59:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.93 Mbit/s
95th percentile per-packet one-way delay: 53.274 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 57.93 Mbit/s
95th percentile per-packet one-way delay: 53.274 ms
Loss rate: 0.03%
```

## Run 4: Report of LEDBAT — Data Link

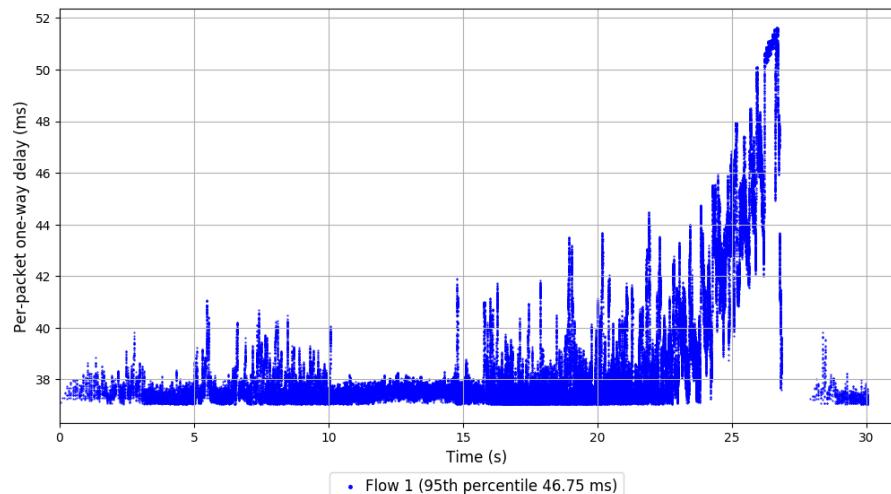
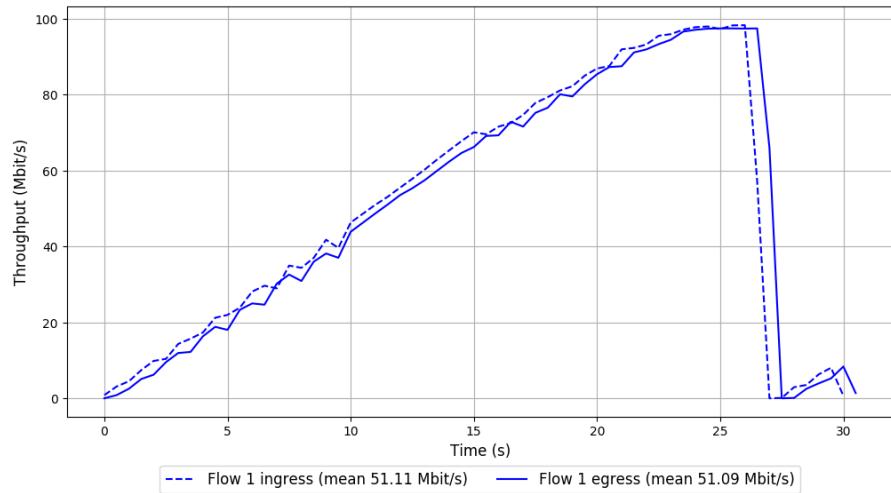


Run 5: Statistics of LEDBAT

```
Start at: 2018-06-29 14:25:21
End at: 2018-06-29 14:25:51
Local clock offset: -1.873 ms
Remote clock offset: 1.589 ms

# Below is generated by plot.py at 2018-06-29 16:59:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 51.09 Mbit/s
95th percentile per-packet one-way delay: 46.749 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 51.09 Mbit/s
95th percentile per-packet one-way delay: 46.749 ms
Loss rate: 0.04%
```

## Run 5: Report of LEDBAT — Data Link

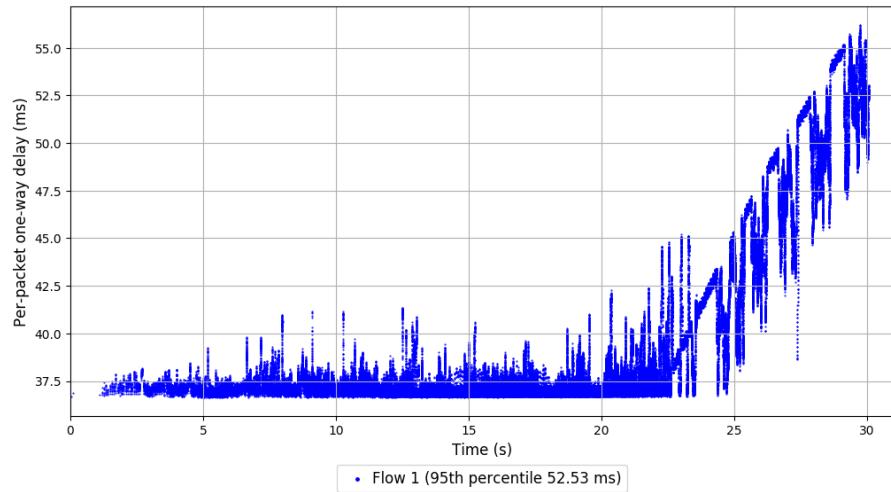
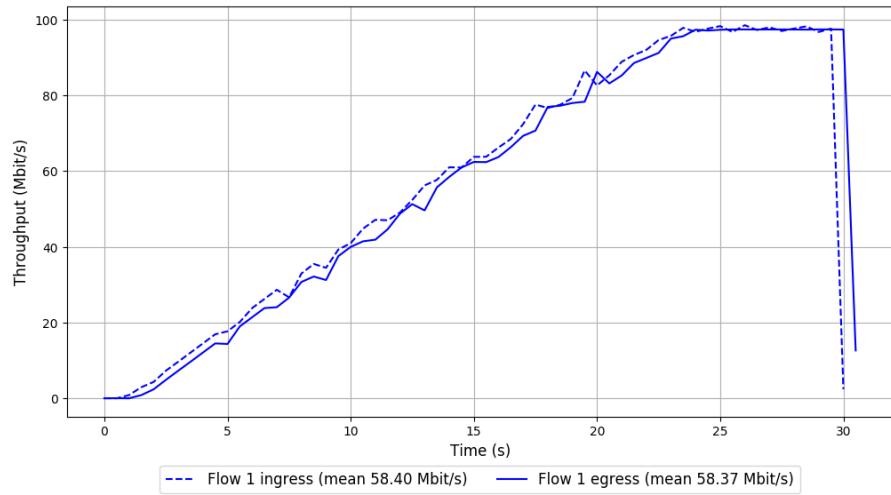


Run 6: Statistics of LEDBAT

```
Start at: 2018-06-29 14:49:36
End at: 2018-06-29 14:50:07
Local clock offset: -2.966 ms
Remote clock offset: -0.108 ms

# Below is generated by plot.py at 2018-06-29 16:59:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 58.37 Mbit/s
95th percentile per-packet one-way delay: 52.535 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 58.37 Mbit/s
95th percentile per-packet one-way delay: 52.535 ms
Loss rate: 0.00%
```

Run 6: Report of LEDBAT — Data Link

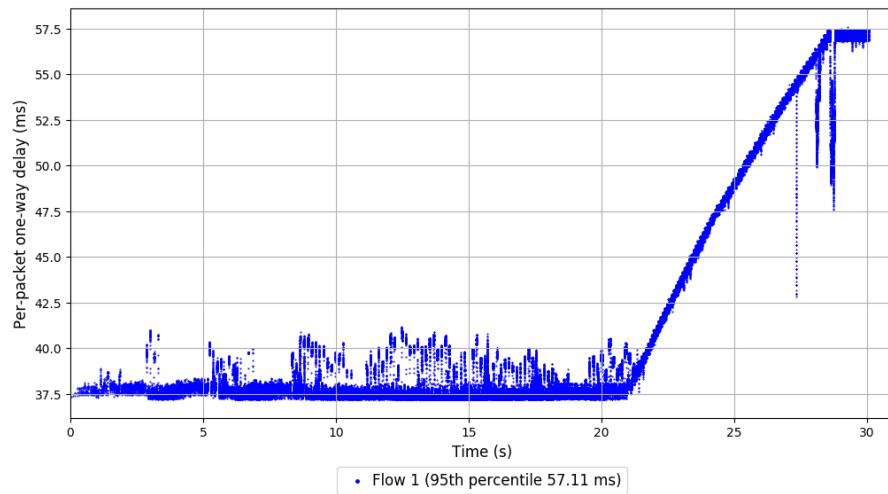
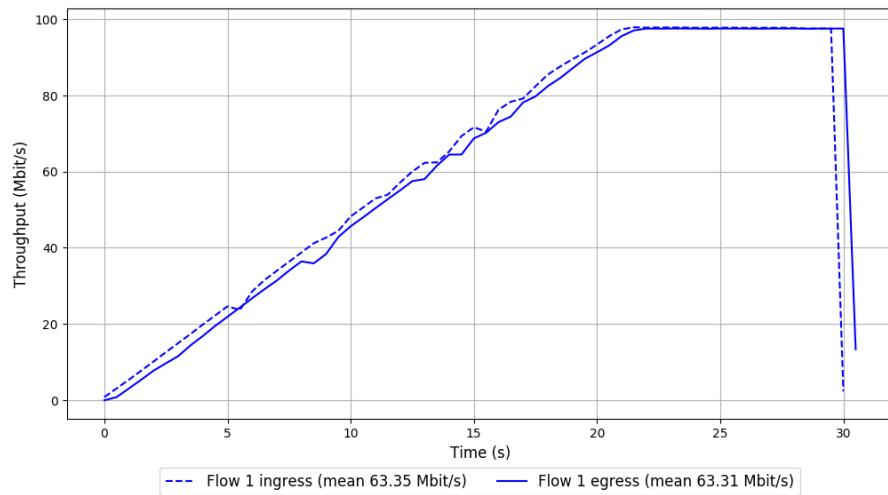


Run 7: Statistics of LEDBAT

```
Start at: 2018-06-29 15:13:44
End at: 2018-06-29 15:14:14
Local clock offset: -2.426 ms
Remote clock offset: 3.731 ms

# Below is generated by plot.py at 2018-06-29 16:59:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.31 Mbit/s
95th percentile per-packet one-way delay: 57.111 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 63.31 Mbit/s
95th percentile per-packet one-way delay: 57.111 ms
Loss rate: 0.00%
```

## Run 7: Report of LEDBAT — Data Link

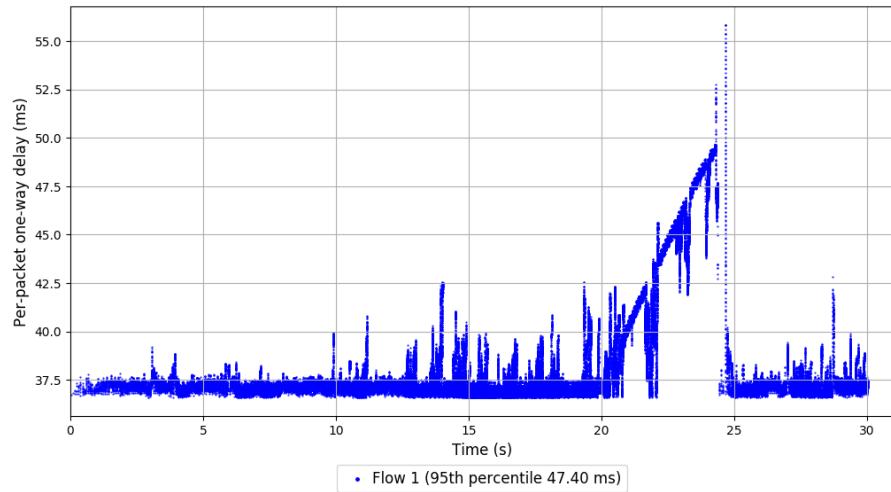
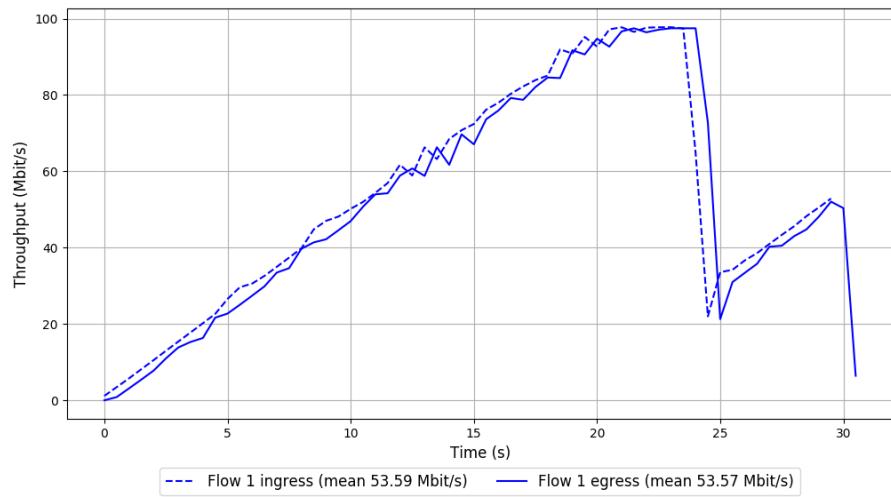


Run 8: Statistics of LEDBAT

```
Start at: 2018-06-29 15:37:53
End at: 2018-06-29 15:38:23
Local clock offset: 1.924 ms
Remote clock offset: 4.28 ms

# Below is generated by plot.py at 2018-06-29 16:59:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.57 Mbit/s
95th percentile per-packet one-way delay: 47.395 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 53.57 Mbit/s
95th percentile per-packet one-way delay: 47.395 ms
Loss rate: 0.04%
```

Run 8: Report of LEDBAT — Data Link

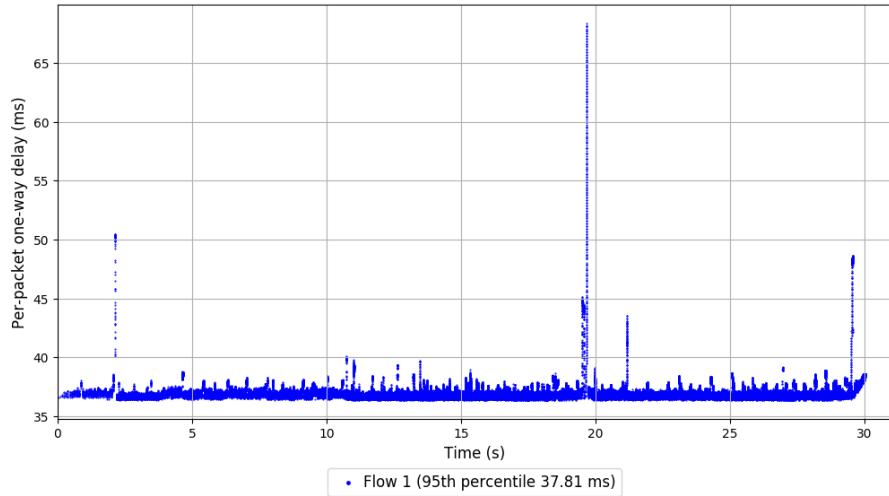
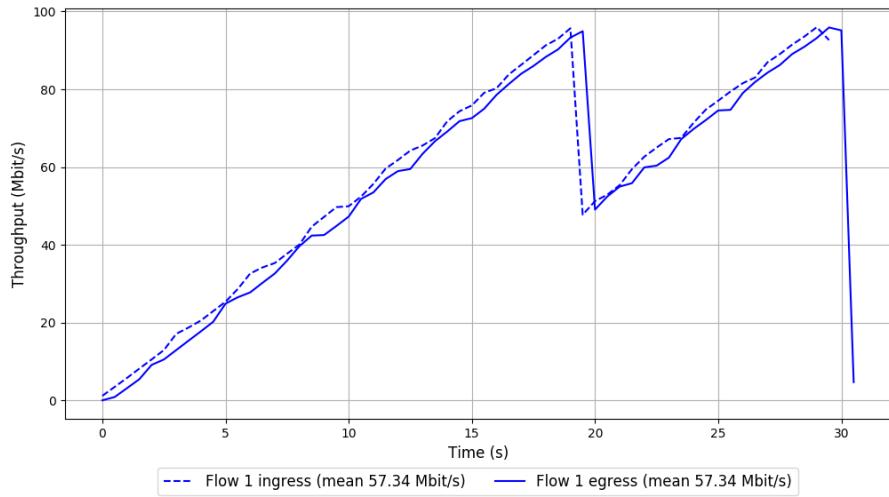


Run 9: Statistics of LEDBAT

```
Start at: 2018-06-29 16:02:52
End at: 2018-06-29 16:03:22
Local clock offset: -1.297 ms
Remote clock offset: 4.3 ms

# Below is generated by plot.py at 2018-06-29 17:00:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.34 Mbit/s
95th percentile per-packet one-way delay: 37.809 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 57.34 Mbit/s
95th percentile per-packet one-way delay: 37.809 ms
Loss rate: 0.00%
```

Run 9: Report of LEDBAT — Data Link

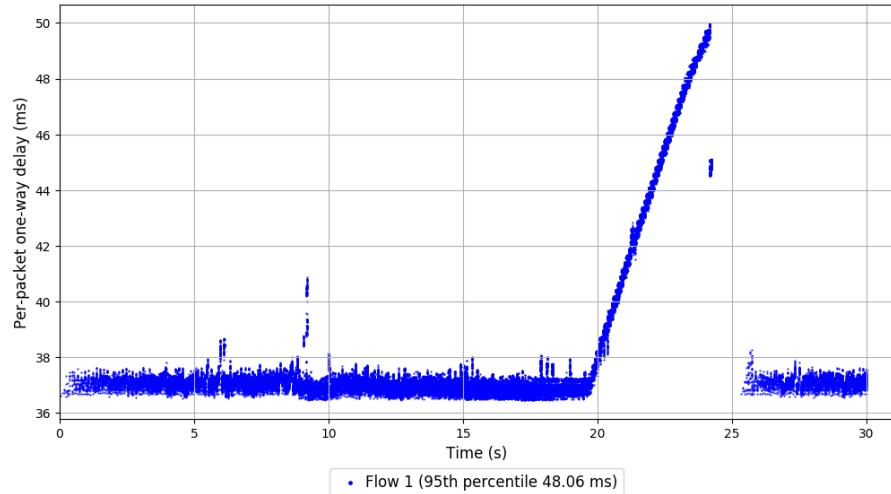
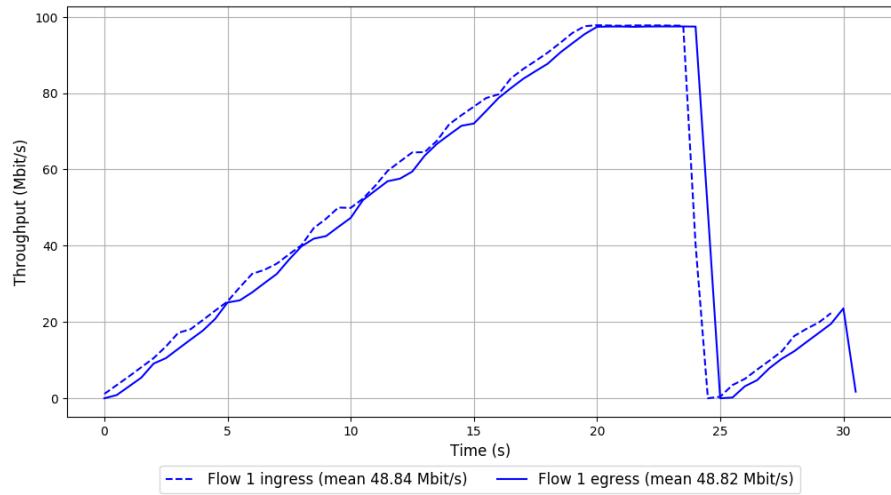


Run 10: Statistics of LEDBAT

```
Start at: 2018-06-29 16:26:38
End at: 2018-06-29 16:27:08
Local clock offset: -1.615 ms
Remote clock offset: 4.45 ms

# Below is generated by plot.py at 2018-06-29 17:00:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.82 Mbit/s
95th percentile per-packet one-way delay: 48.062 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 48.82 Mbit/s
95th percentile per-packet one-way delay: 48.062 ms
Loss rate: 0.03%
```

Run 10: Report of LEDBAT — Data Link

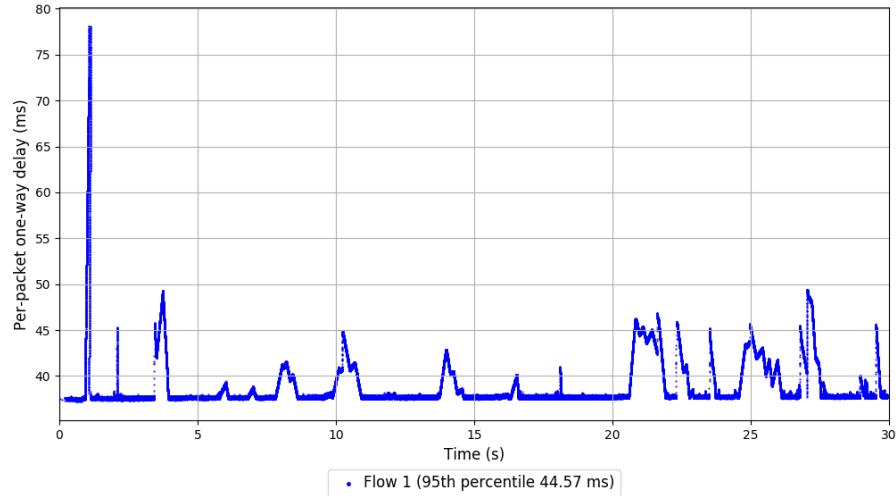
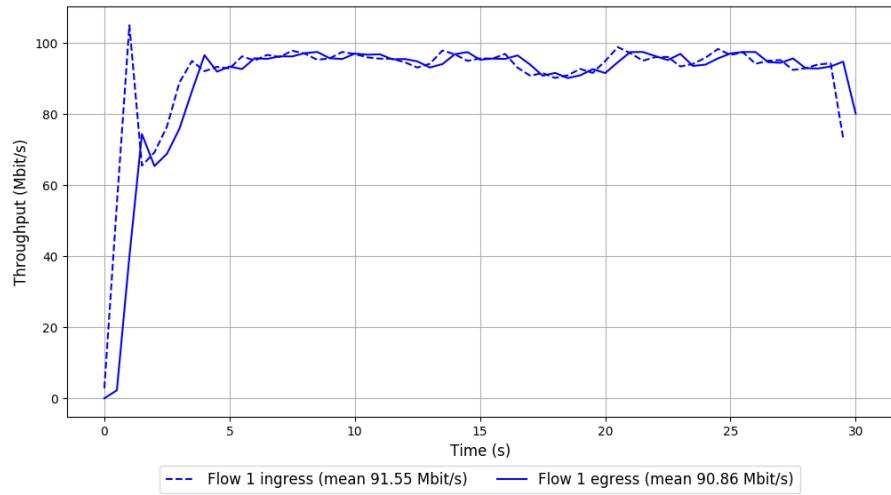


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-06-29 12:53:57
End at: 2018-06-29 12:54:27
Local clock offset: -5.852 ms
Remote clock offset: 5.823 ms

# Below is generated by plot.py at 2018-06-29 17:00:39
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.86 Mbit/s
95th percentile per-packet one-way delay: 44.572 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 90.86 Mbit/s
95th percentile per-packet one-way delay: 44.572 ms
Loss rate: 0.75%
```

Run 1: Report of PCC-Allegro — Data Link

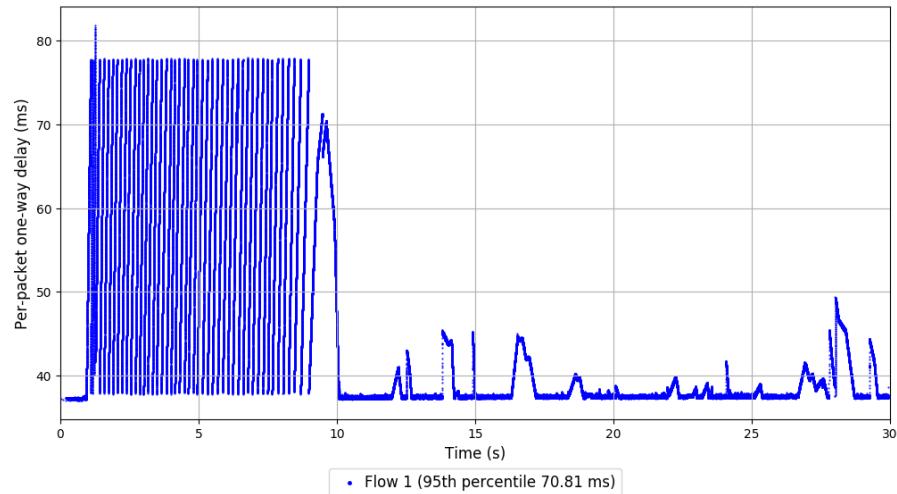
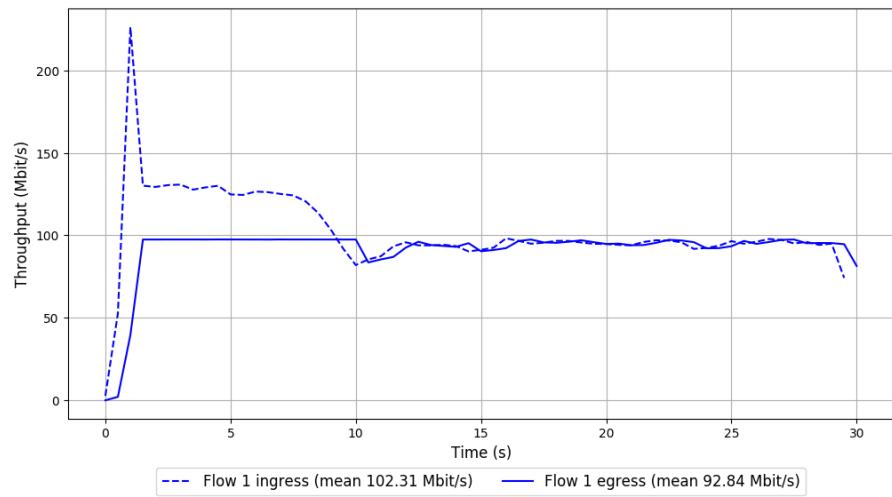


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-06-29 13:17:47
End at: 2018-06-29 13:18:17
Local clock offset: -3.764 ms
Remote clock offset: 4.605 ms

# Below is generated by plot.py at 2018-06-29 17:00:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 92.84 Mbit/s
95th percentile per-packet one-way delay: 70.814 ms
Loss rate: 9.25%
-- Flow 1:
Average throughput: 92.84 Mbit/s
95th percentile per-packet one-way delay: 70.814 ms
Loss rate: 9.25%
```

Run 2: Report of PCC-Allegro — Data Link

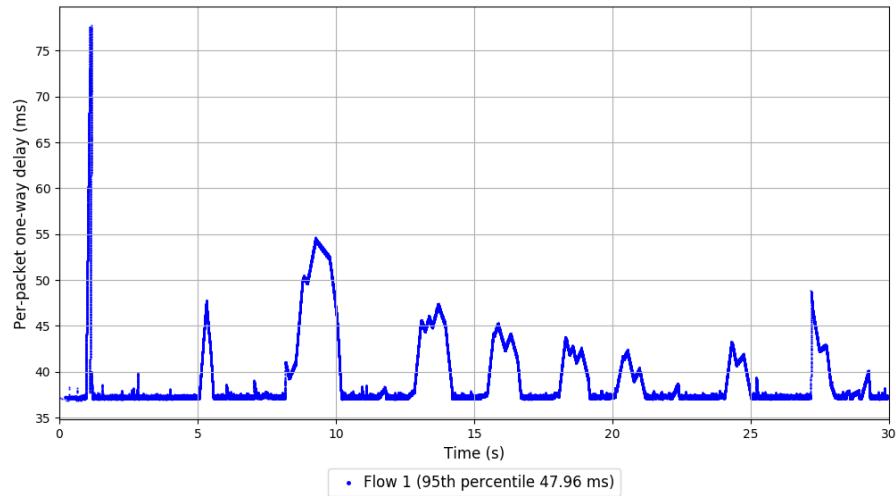
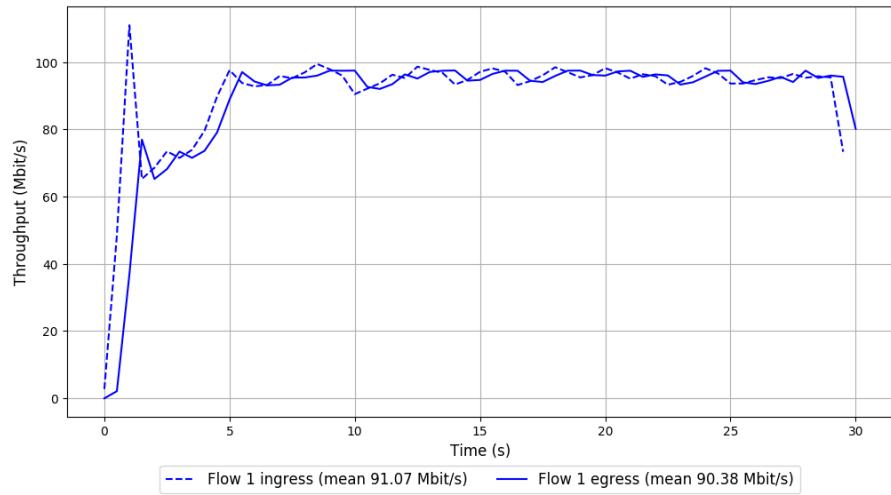


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-06-29 13:41:10
End at: 2018-06-29 13:41:40
Local clock offset: -5.018 ms
Remote clock offset: 2.074 ms

# Below is generated by plot.py at 2018-06-29 17:00:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.38 Mbit/s
95th percentile per-packet one-way delay: 47.956 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 90.38 Mbit/s
95th percentile per-packet one-way delay: 47.956 ms
Loss rate: 0.76%
```

Run 3: Report of PCC-Allegro — Data Link

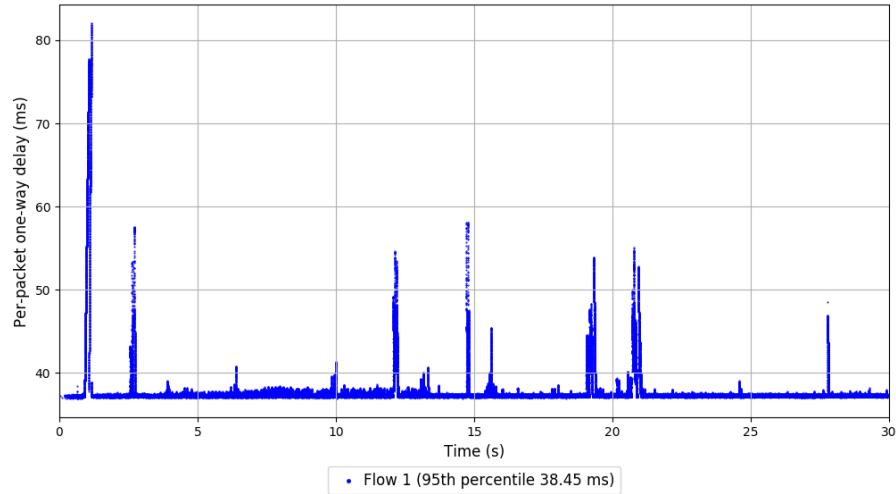
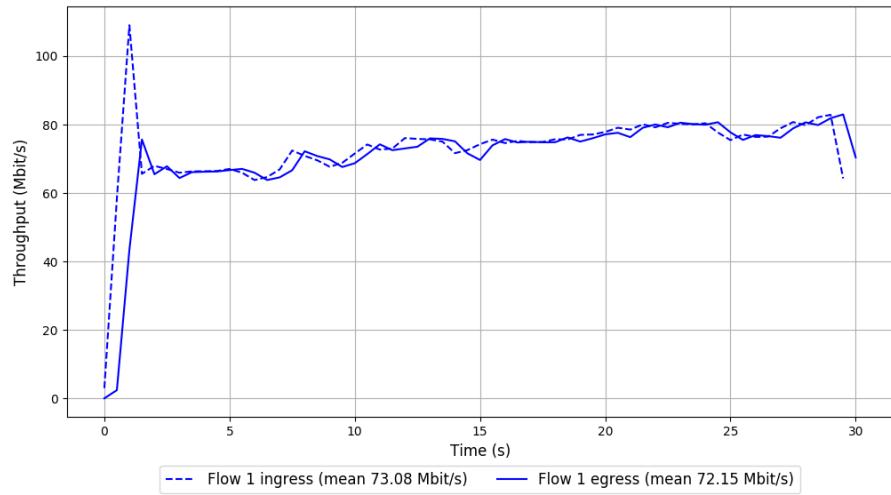


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-06-29 14:04:56
End at: 2018-06-29 14:05:26
Local clock offset: -0.426 ms
Remote clock offset: 3.456 ms

# Below is generated by plot.py at 2018-06-29 17:00:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.15 Mbit/s
95th percentile per-packet one-way delay: 38.447 ms
Loss rate: 1.27%
-- Flow 1:
Average throughput: 72.15 Mbit/s
95th percentile per-packet one-way delay: 38.447 ms
Loss rate: 1.27%
```

Run 4: Report of PCC-Allegro — Data Link

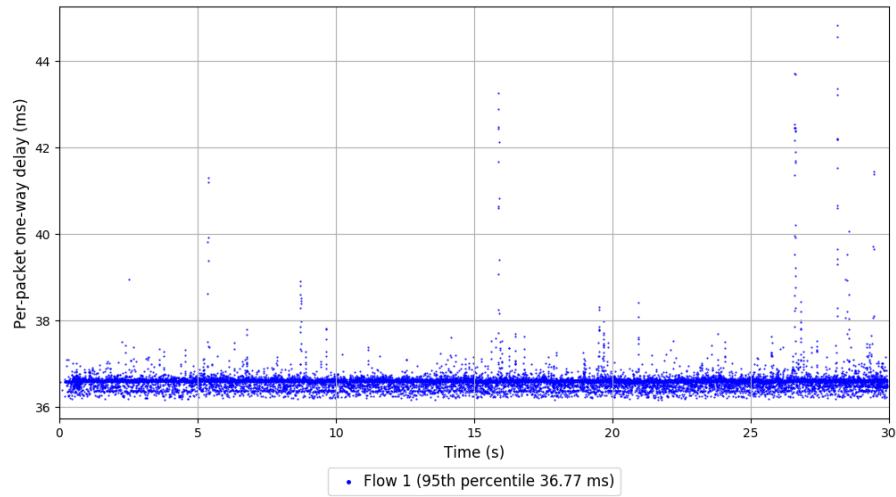
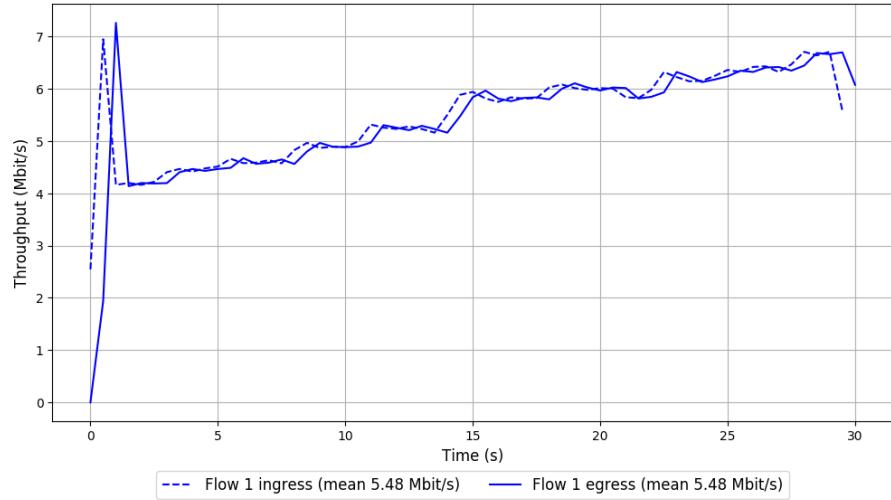


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-06-29 14:29:36
End at: 2018-06-29 14:30:06
Local clock offset: -2.297 ms
Remote clock offset: 1.274 ms

# Below is generated by plot.py at 2018-06-29 17:00:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.48 Mbit/s
95th percentile per-packet one-way delay: 36.767 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 5.48 Mbit/s
95th percentile per-packet one-way delay: 36.767 ms
Loss rate: 0.00%
```

Run 5: Report of PCC-Allegro — Data Link

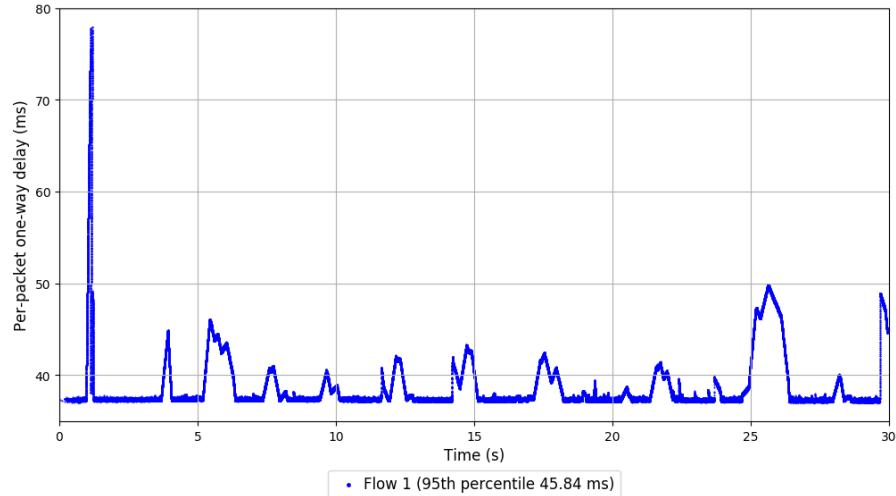
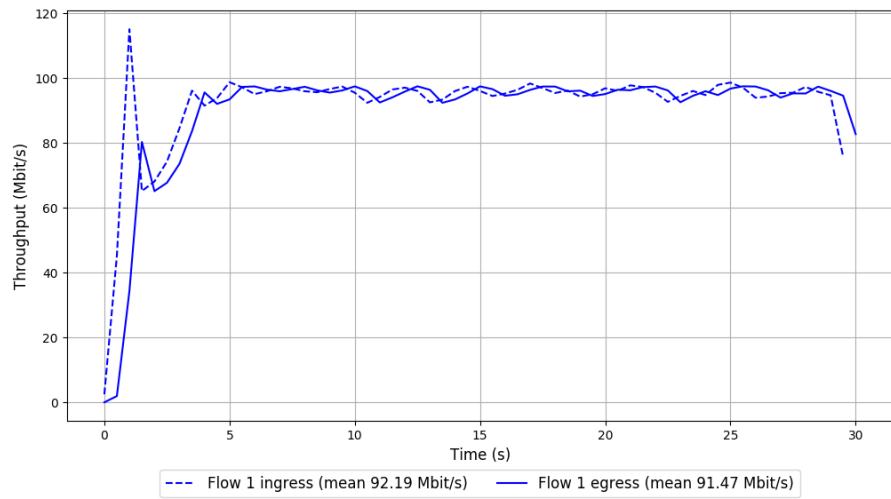


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-06-29 14:54:00
End at: 2018-06-29 14:54:30
Local clock offset: -2.635 ms
Remote clock offset: 0.574 ms

# Below is generated by plot.py at 2018-06-29 17:01:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 45.839 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 91.47 Mbit/s
95th percentile per-packet one-way delay: 45.839 ms
Loss rate: 0.75%
```

Run 6: Report of PCC-Allegro — Data Link

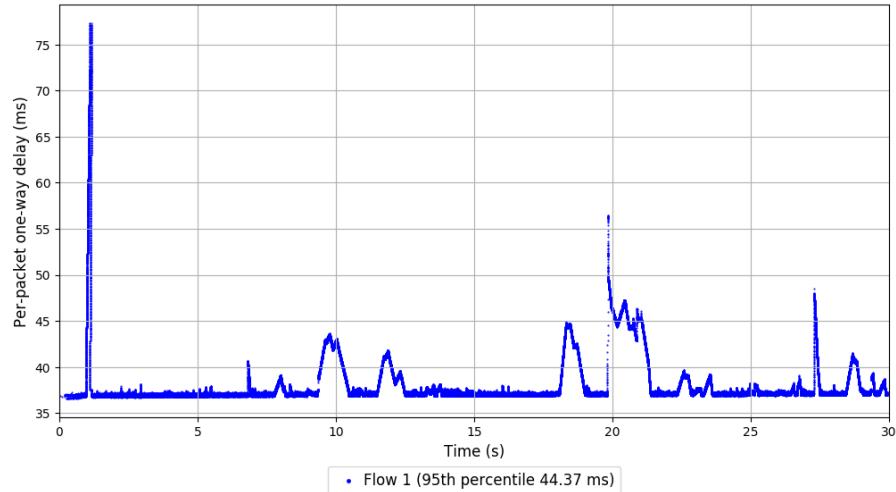
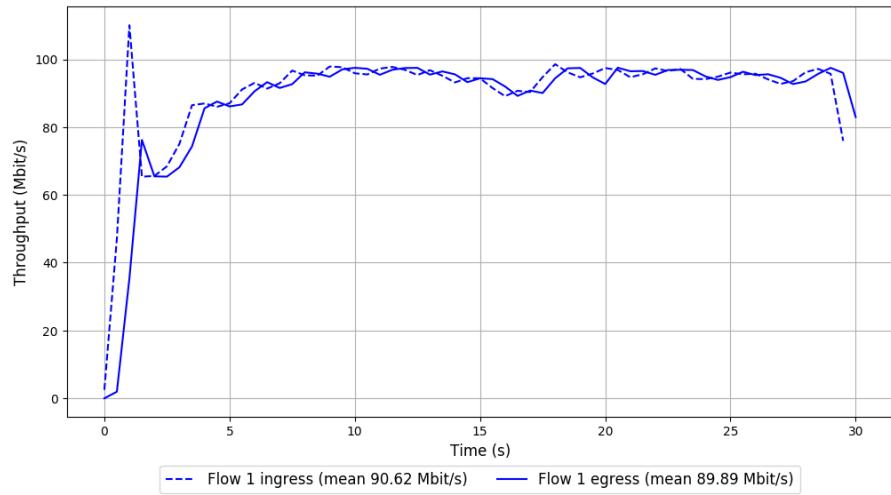


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-06-29 15:17:58
End at: 2018-06-29 15:18:28
Local clock offset: -1.56 ms
Remote clock offset: 3.882 ms

# Below is generated by plot.py at 2018-06-29 17:01:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.89 Mbit/s
95th percentile per-packet one-way delay: 44.366 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 89.89 Mbit/s
95th percentile per-packet one-way delay: 44.366 ms
Loss rate: 0.80%
```

Run 7: Report of PCC-Allegro — Data Link

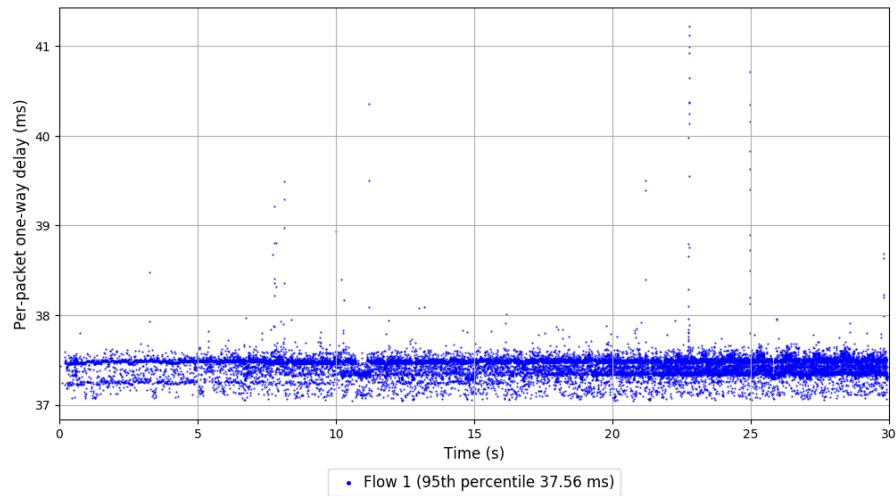
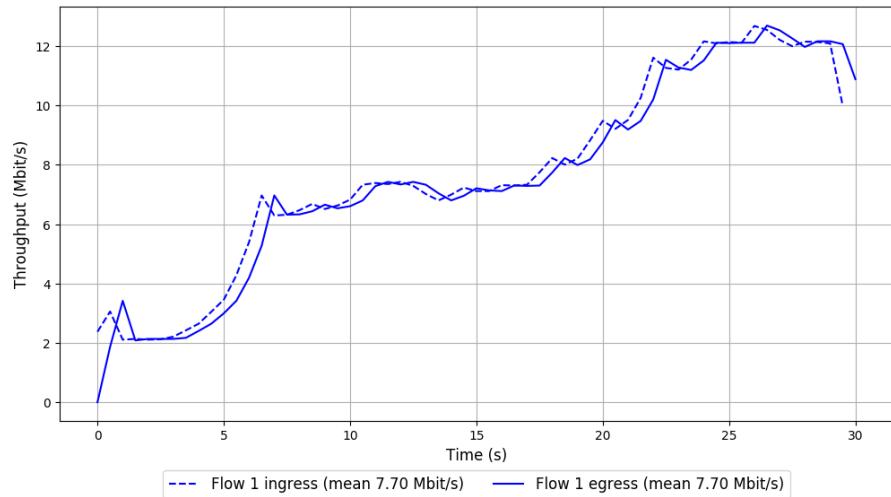


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-06-29 15:42:36
End at: 2018-06-29 15:43:06
Local clock offset: 2.125 ms
Remote clock offset: 4.208 ms

# Below is generated by plot.py at 2018-06-29 17:01:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.70 Mbit/s
95th percentile per-packet one-way delay: 37.557 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 7.70 Mbit/s
95th percentile per-packet one-way delay: 37.557 ms
Loss rate: 0.00%
```

Run 8: Report of PCC-Allegro — Data Link

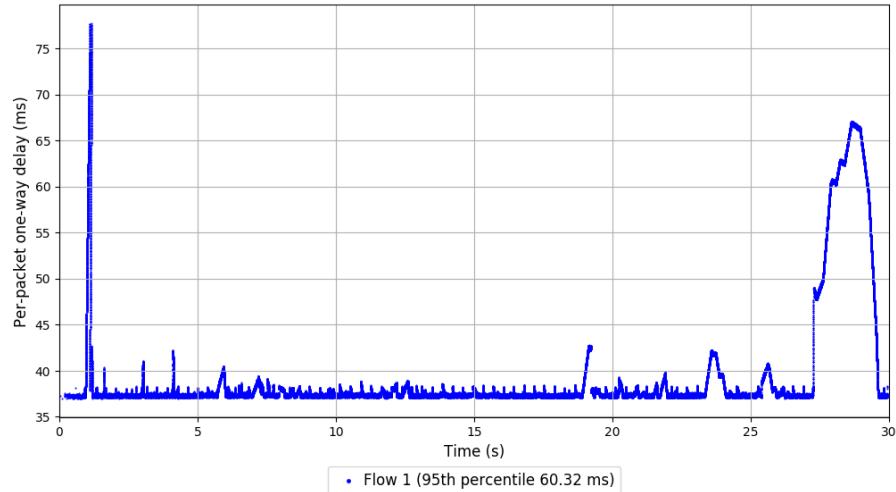
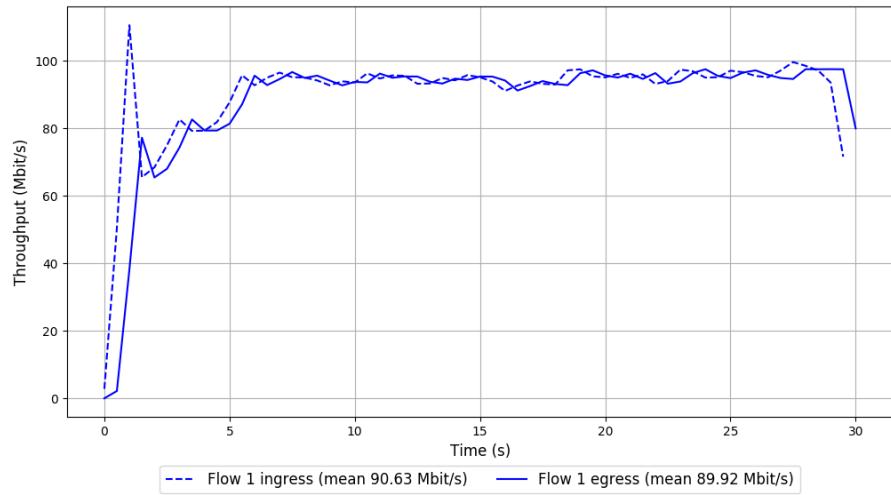


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-06-29 16:06:59
End at: 2018-06-29 16:07:29
Local clock offset: -1.588 ms
Remote clock offset: 4.292 ms

# Below is generated by plot.py at 2018-06-29 17:01:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.92 Mbit/s
95th percentile per-packet one-way delay: 60.323 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 89.92 Mbit/s
95th percentile per-packet one-way delay: 60.323 ms
Loss rate: 0.78%
```

Run 9: Report of PCC-Allegro — Data Link

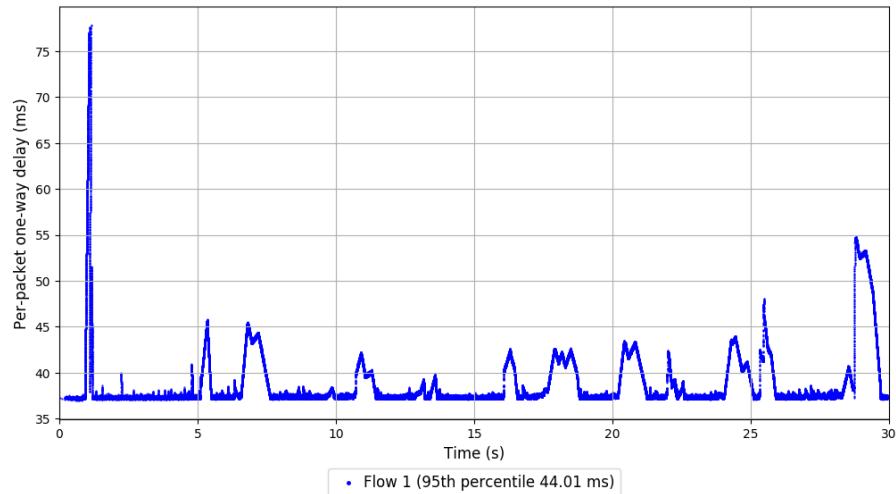
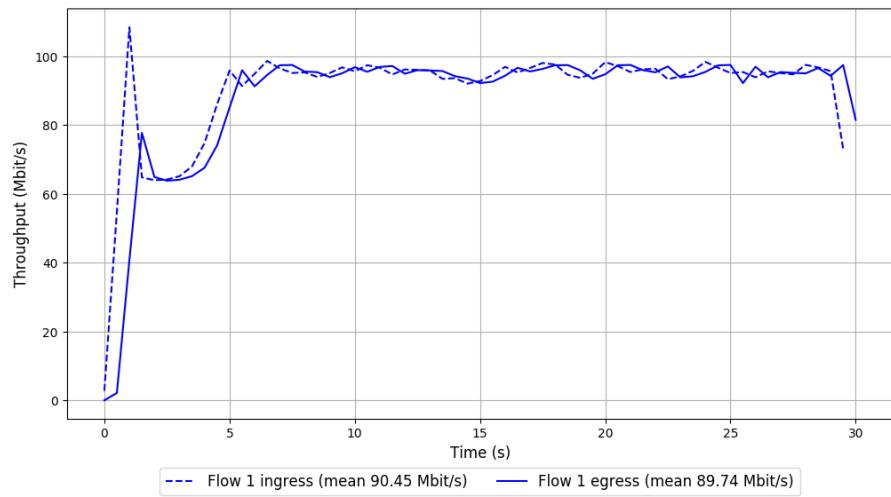


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-06-29 16:30:48
End at: 2018-06-29 16:31:18
Local clock offset: -1.59 ms
Remote clock offset: 4.426 ms

# Below is generated by plot.py at 2018-06-29 17:01:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.74 Mbit/s
95th percentile per-packet one-way delay: 44.014 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 89.74 Mbit/s
95th percentile per-packet one-way delay: 44.014 ms
Loss rate: 0.78%
```

Run 10: Report of PCC-Allegro — Data Link

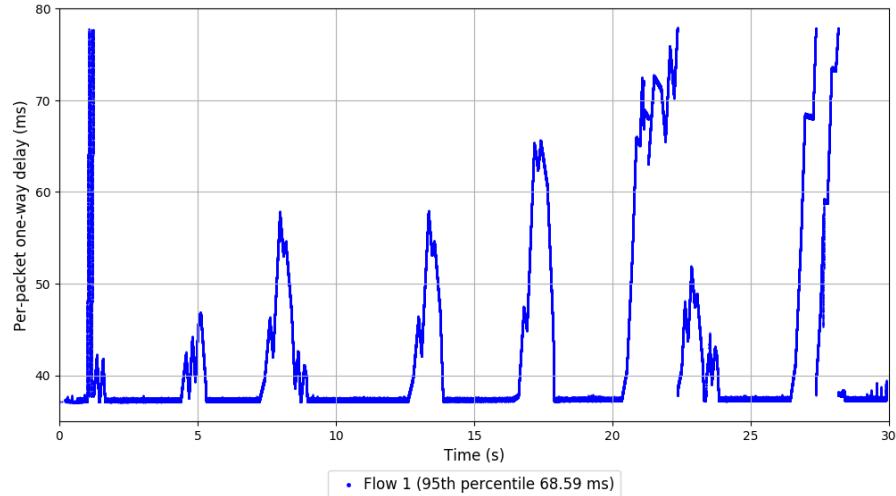
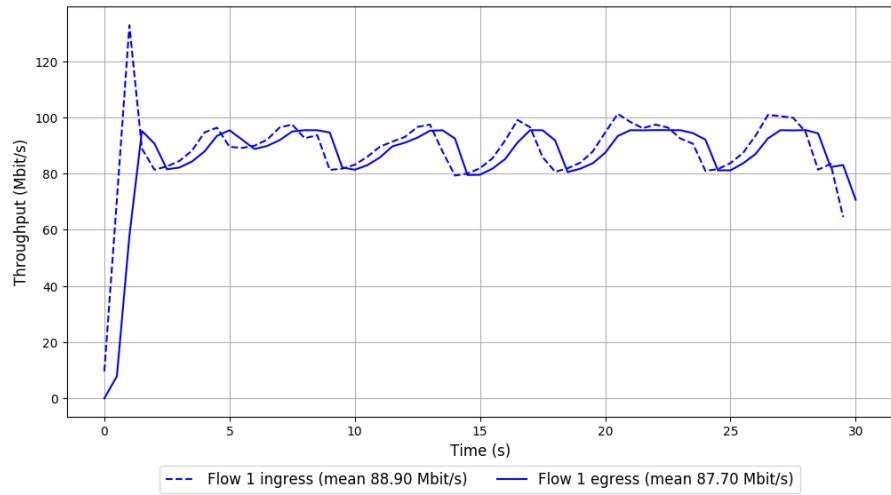


Run 1: Statistics of PCC-Expr

```
Start at: 2018-06-29 13:09:39
End at: 2018-06-29 13:10:09
Local clock offset: -3.442 ms
Remote clock offset: 6.82 ms

# Below is generated by plot.py at 2018-06-29 17:02:38
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.70 Mbit/s
95th percentile per-packet one-way delay: 68.595 ms
Loss rate: 1.36%
-- Flow 1:
Average throughput: 87.70 Mbit/s
95th percentile per-packet one-way delay: 68.595 ms
Loss rate: 1.36%
```

Run 1: Report of PCC-Expr — Data Link

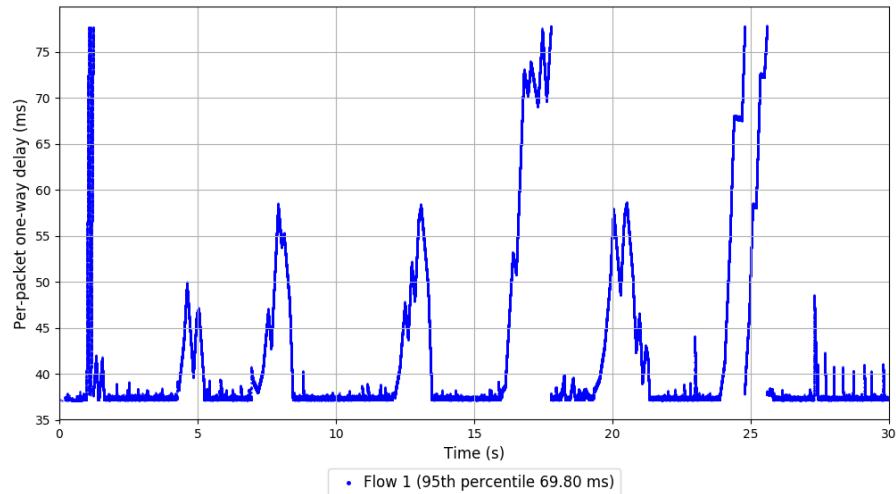
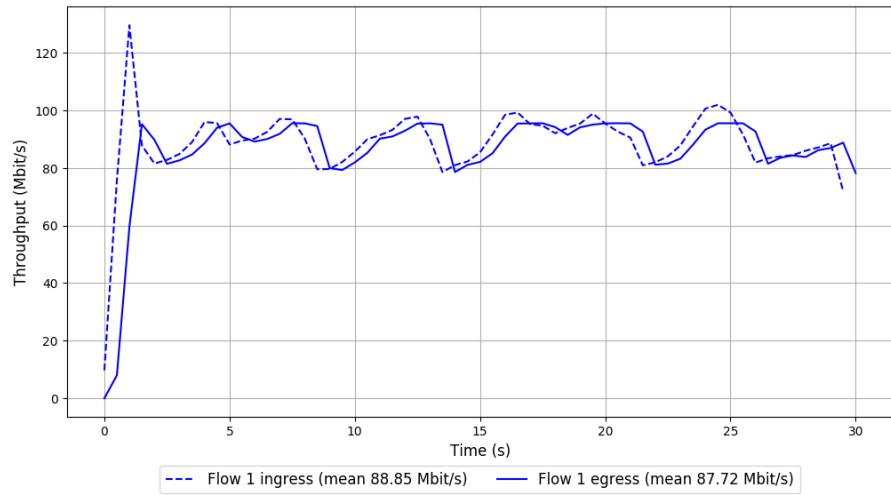


Run 2: Statistics of PCC-Expr

```
Start at: 2018-06-29 13:32:56
End at: 2018-06-29 13:33:26
Local clock offset: -4.193 ms
Remote clock offset: 2.816 ms

# Below is generated by plot.py at 2018-06-29 17:02:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.72 Mbit/s
95th percentile per-packet one-way delay: 69.795 ms
Loss rate: 1.28%
-- Flow 1:
Average throughput: 87.72 Mbit/s
95th percentile per-packet one-way delay: 69.795 ms
Loss rate: 1.28%
```

Run 2: Report of PCC-Expr — Data Link

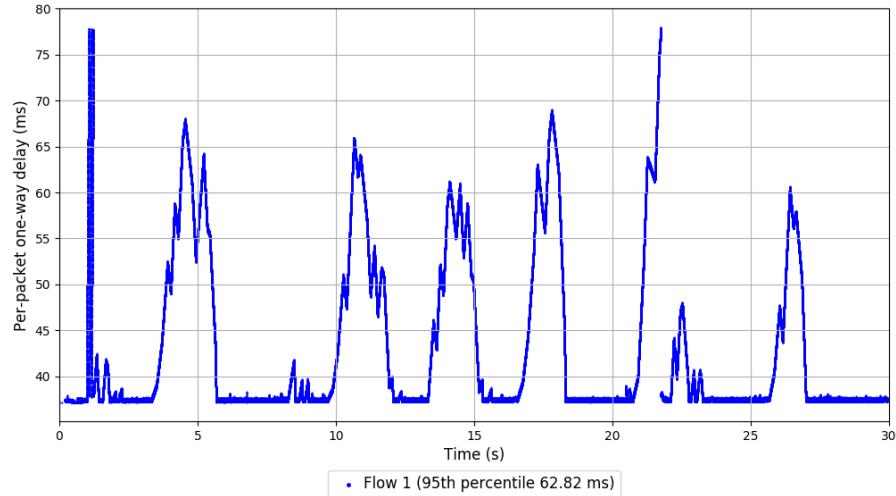
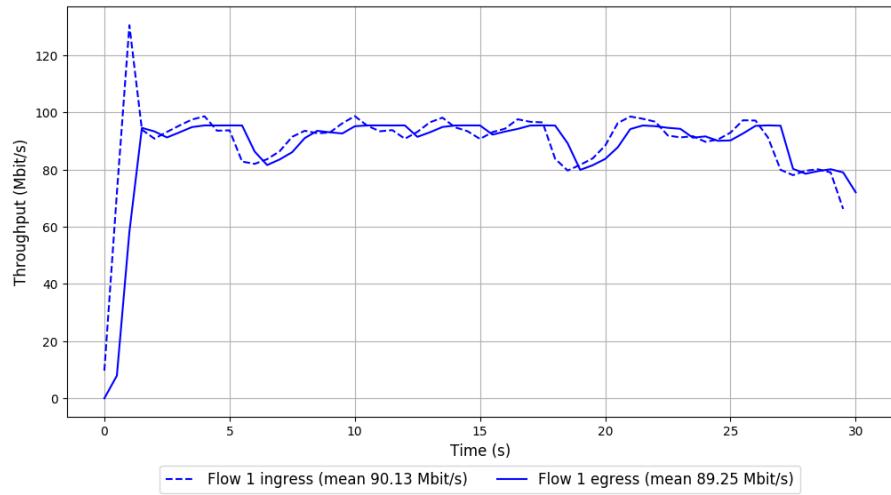


Run 3: Statistics of PCC-Expr

```
Start at: 2018-06-29 13:56:17
End at: 2018-06-29 13:56:47
Local clock offset: -1.291 ms
Remote clock offset: 3.003 ms

# Below is generated by plot.py at 2018-06-29 17:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 62.817 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 89.25 Mbit/s
95th percentile per-packet one-way delay: 62.817 ms
Loss rate: 0.97%
```

Run 3: Report of PCC-Expr — Data Link

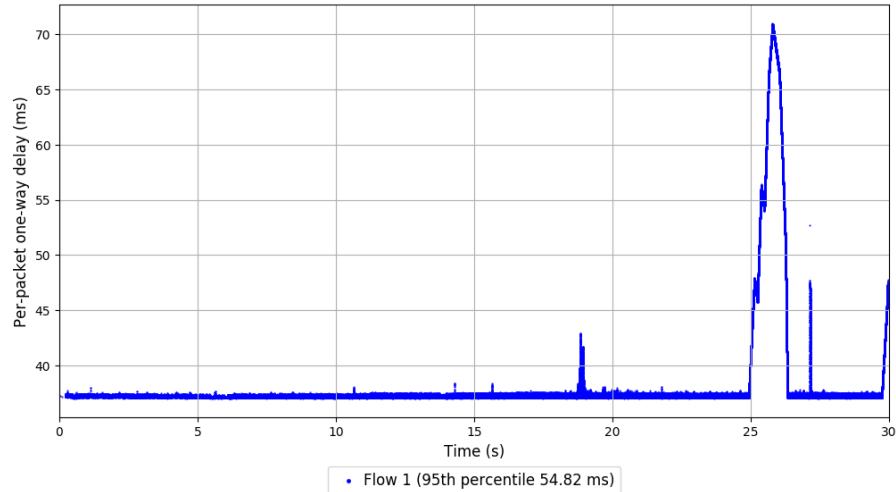
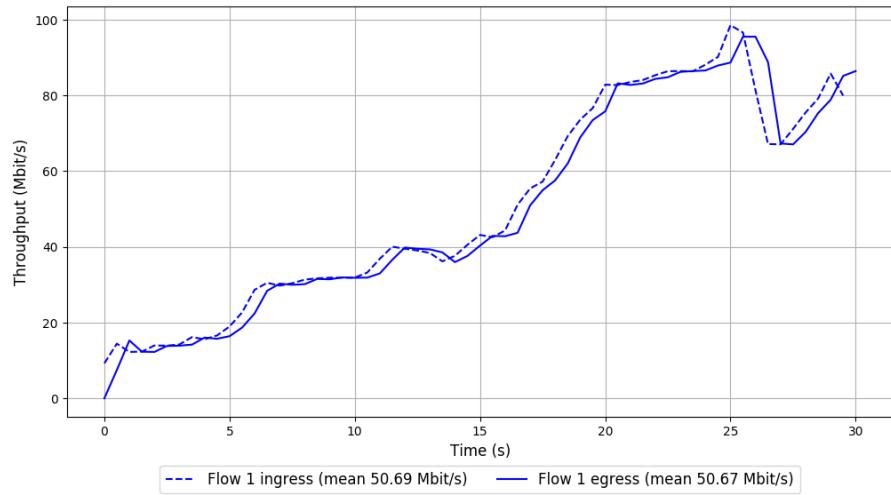


Run 4: Statistics of PCC-Expr

```
Start at: 2018-06-29 14:21:19
End at: 2018-06-29 14:21:49
Local clock offset: -1.273 ms
Remote clock offset: 2.066 ms

# Below is generated by plot.py at 2018-06-29 17:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.67 Mbit/s
95th percentile per-packet one-way delay: 54.820 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 50.67 Mbit/s
95th percentile per-packet one-way delay: 54.820 ms
Loss rate: 0.01%
```

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

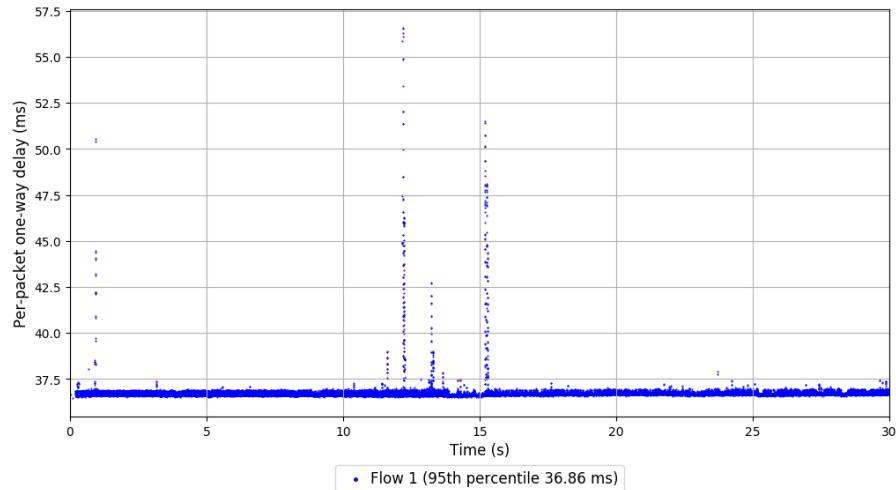
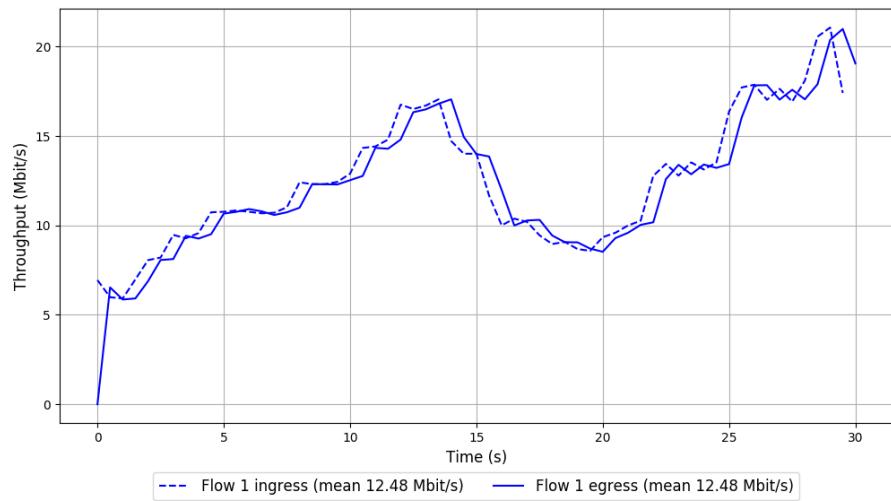


Run 5: Statistics of PCC-Expr

```
Start at: 2018-06-29 14:45:47
End at: 2018-06-29 14:46:17
Local clock offset: -3.371 ms
Remote clock offset: 0.118 ms

# Below is generated by plot.py at 2018-06-29 17:02:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 12.48 Mbit/s
95th percentile per-packet one-way delay: 36.860 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 12.48 Mbit/s
95th percentile per-packet one-way delay: 36.860 ms
Loss rate: 0.06%
```

Run 5: Report of PCC-Expr — Data Link

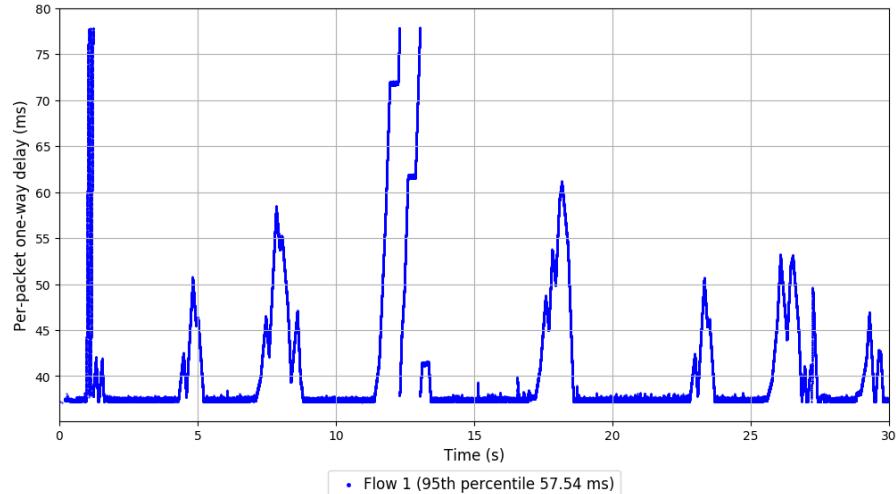
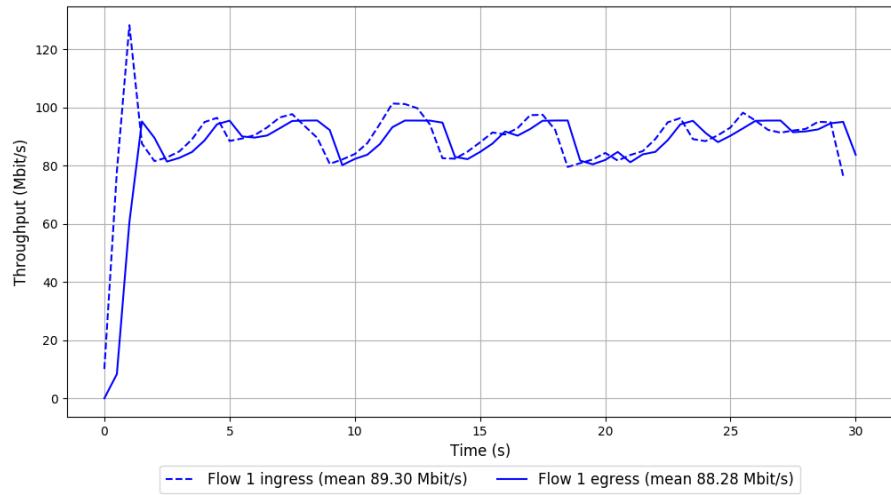


Run 6: Statistics of PCC-Expr

```
Start at: 2018-06-29 15:09:31
End at: 2018-06-29 15:10:01
Local clock offset: -2.29 ms
Remote clock offset: 3.633 ms

# Below is generated by plot.py at 2018-06-29 17:03:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 57.536 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 88.28 Mbit/s
95th percentile per-packet one-way delay: 57.536 ms
Loss rate: 1.14%
```

Run 6: Report of PCC-Expr — Data Link

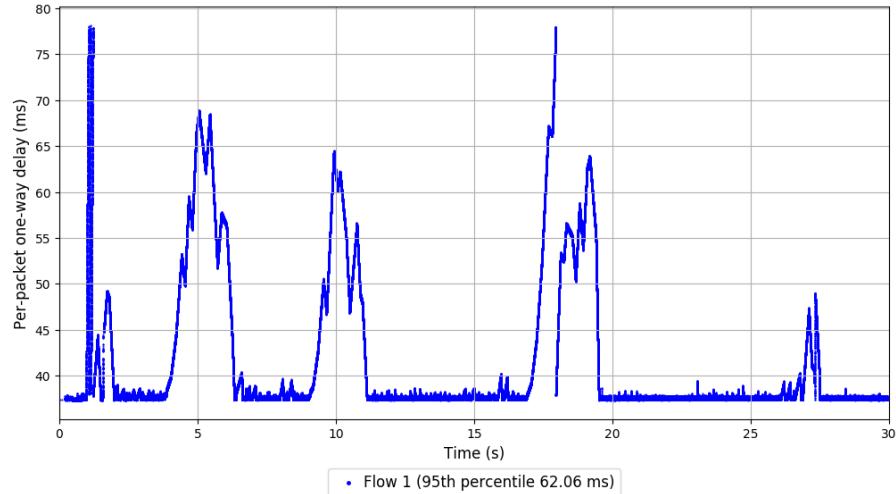
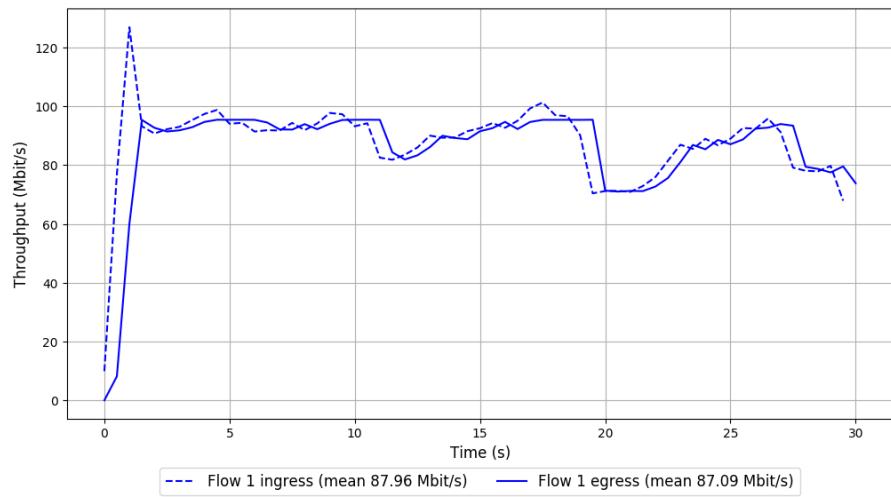


Run 7: Statistics of PCC-Expr

```
Start at: 2018-06-29 15:33:48
End at: 2018-06-29 15:34:18
Local clock offset: 1.499 ms
Remote clock offset: 4.203 ms

# Below is generated by plot.py at 2018-06-29 17:03:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.09 Mbit/s
95th percentile per-packet one-way delay: 62.064 ms
Loss rate: 0.99%
-- Flow 1:
Average throughput: 87.09 Mbit/s
95th percentile per-packet one-way delay: 62.064 ms
Loss rate: 0.99%
```

Run 7: Report of PCC-Expr — Data Link

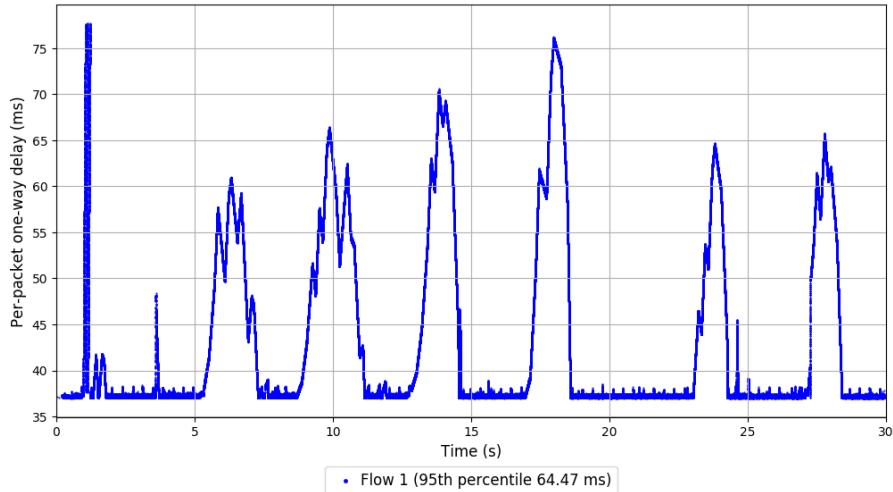
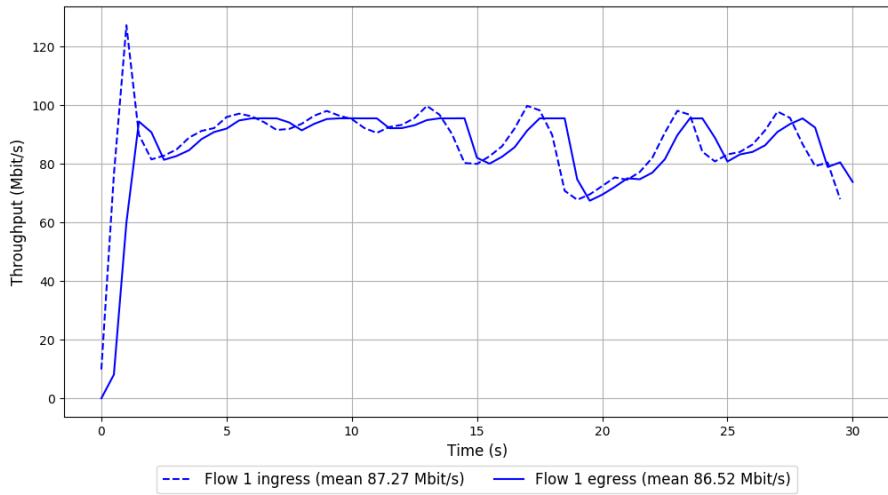


Run 8: Statistics of PCC-Expr

```
Start at: 2018-06-29 15:58:51
End at: 2018-06-29 15:59:21
Local clock offset: -0.913 ms
Remote clock offset: 4.239 ms

# Below is generated by plot.py at 2018-06-29 17:03:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.52 Mbit/s
95th percentile per-packet one-way delay: 64.471 ms
Loss rate: 0.86%
-- Flow 1:
Average throughput: 86.52 Mbit/s
95th percentile per-packet one-way delay: 64.471 ms
Loss rate: 0.86%
```

Run 8: Report of PCC-Expr — Data Link

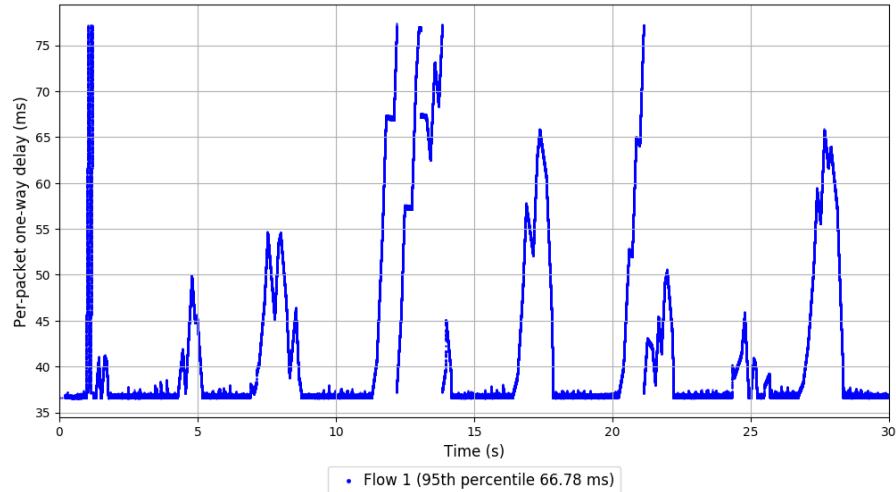
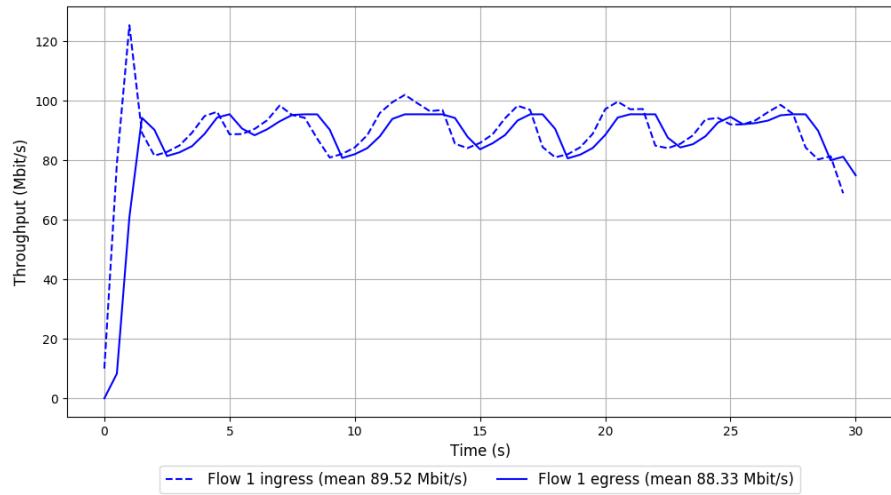


Run 9: Statistics of PCC-Expr

```
Start at: 2018-06-29 16:22:42
End at: 2018-06-29 16:23:12
Local clock offset: -1.782 ms
Remote clock offset: 4.398 ms

# Below is generated by plot.py at 2018-06-29 17:03:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 88.33 Mbit/s
95th percentile per-packet one-way delay: 66.785 ms
Loss rate: 1.32%
-- Flow 1:
Average throughput: 88.33 Mbit/s
95th percentile per-packet one-way delay: 66.785 ms
Loss rate: 1.32%
```

Run 9: Report of PCC-Expr — Data Link

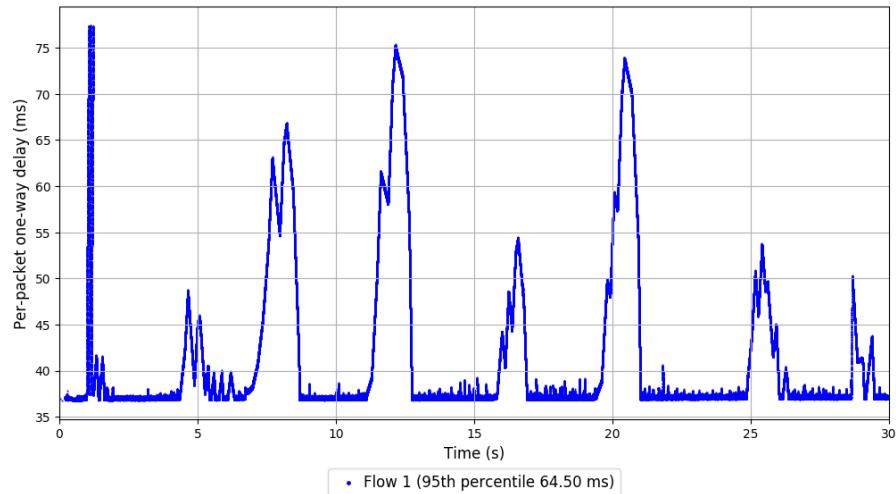
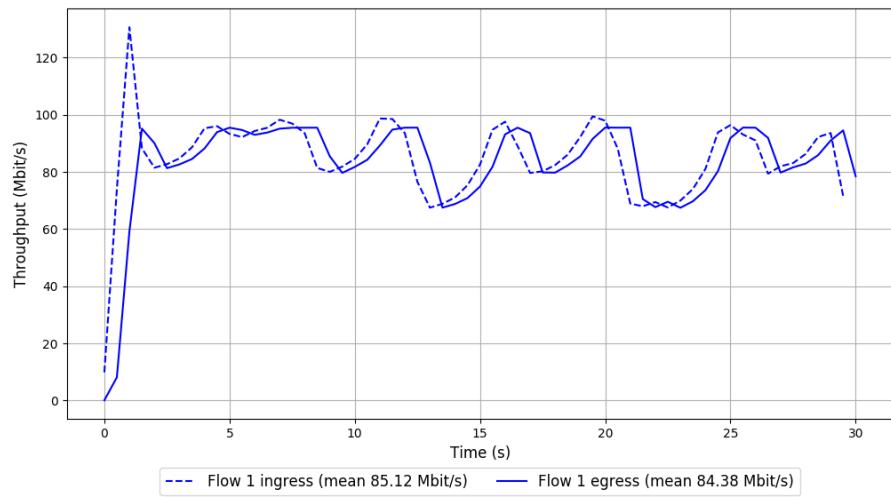


Run 10: Statistics of PCC-Expr

```
Start at: 2018-06-29 16:45:46
End at: 2018-06-29 16:46:16
Local clock offset: -1.858 ms
Remote clock offset: 6.977 ms

# Below is generated by plot.py at 2018-06-29 17:04:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.38 Mbit/s
95th percentile per-packet one-way delay: 64.502 ms
Loss rate: 0.87%
-- Flow 1:
Average throughput: 84.38 Mbit/s
95th percentile per-packet one-way delay: 64.502 ms
Loss rate: 0.87%
```

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

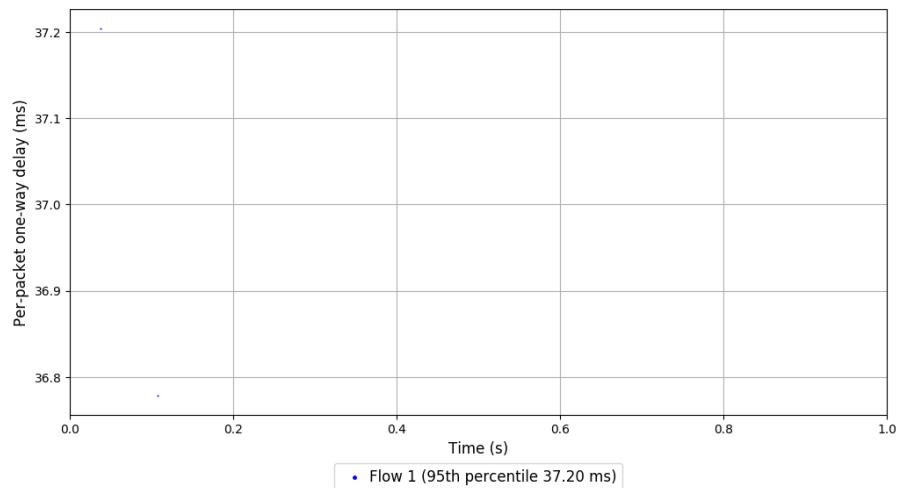
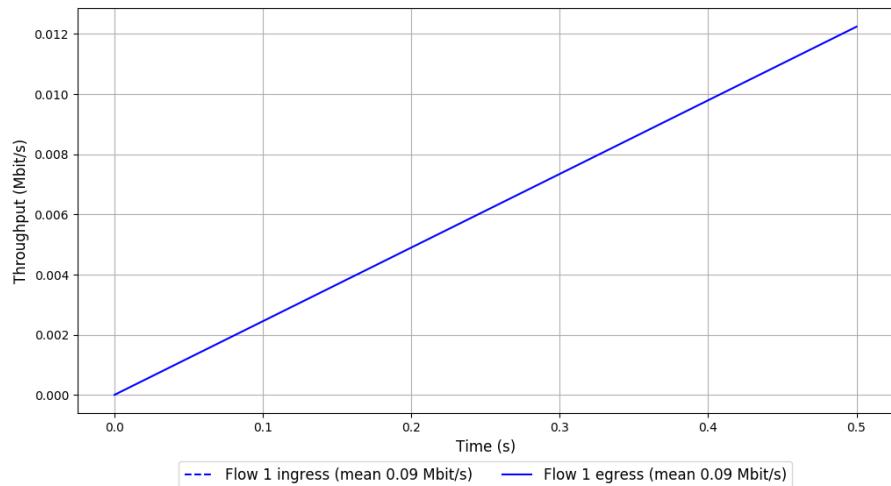
Start at: 2018-06-29 12:51:13

End at: 2018-06-29 12:51:43

Local clock offset: -7.754 ms

Remote clock offset: 5.358 ms

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

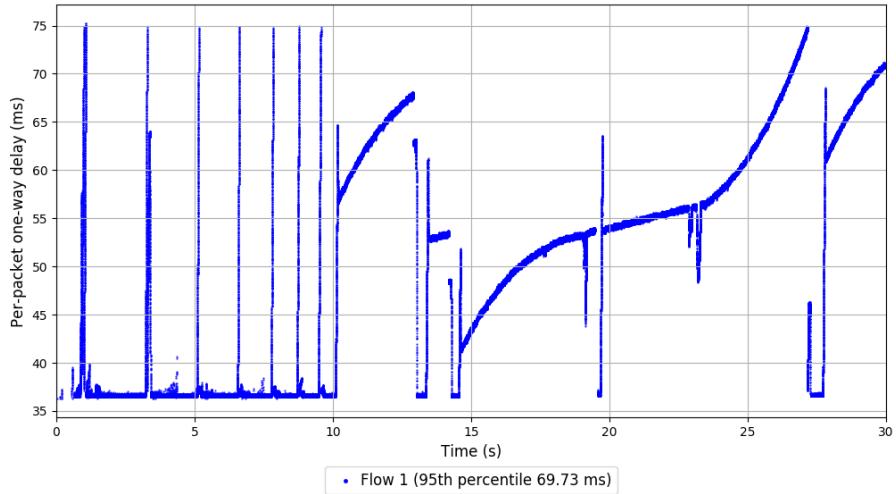
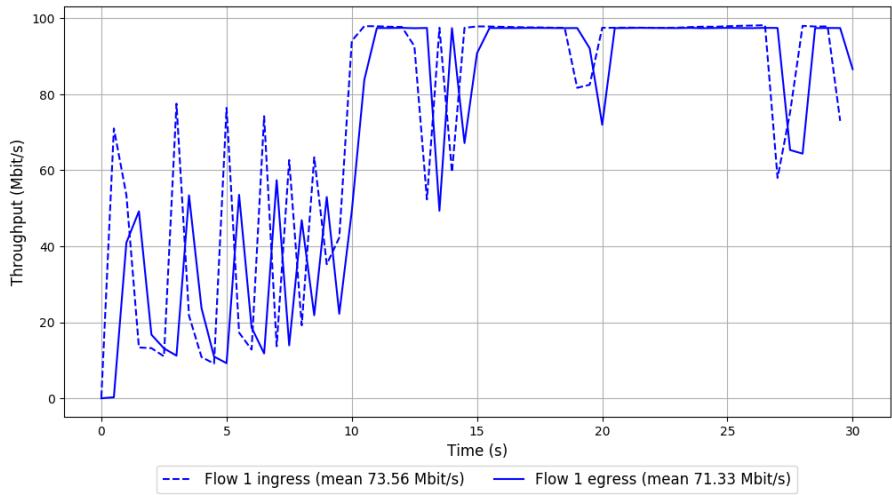


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-06-29 13:14:59
End at: 2018-06-29 13:15:29
Local clock offset: -3.862 ms
Remote clock offset: 5.266 ms

# Below is generated by plot.py at 2018-06-29 17:04:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.33 Mbit/s
95th percentile per-packet one-way delay: 69.729 ms
Loss rate: 2.91%
-- Flow 1:
Average throughput: 71.33 Mbit/s
95th percentile per-packet one-way delay: 69.729 ms
Loss rate: 2.91%
```

Run 2: Report of QUIC Cubic — Data Link

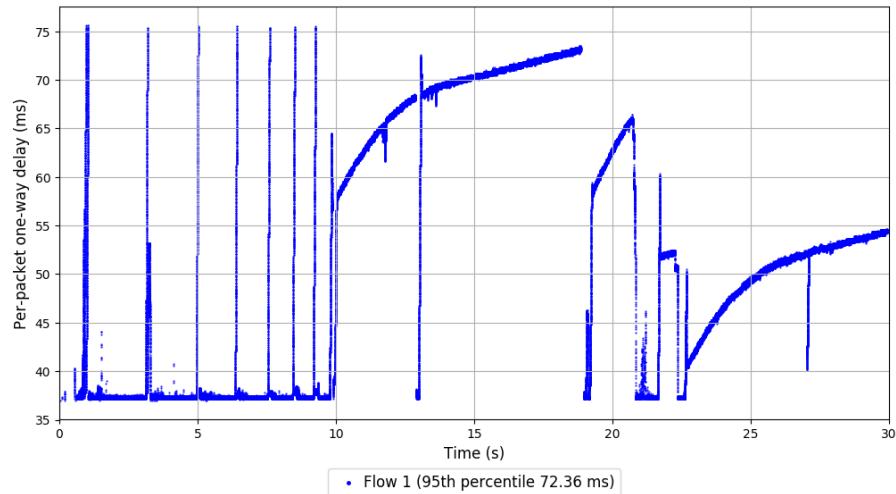
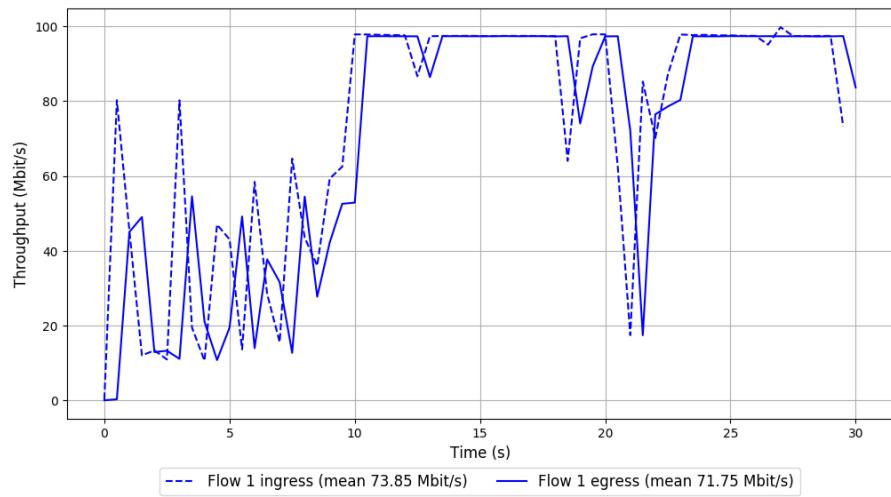


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-06-29 13:38:19
End at: 2018-06-29 13:38:49
Local clock offset: -4.788 ms
Remote clock offset: 2.333 ms

# Below is generated by plot.py at 2018-06-29 17:04:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.75 Mbit/s
95th percentile per-packet one-way delay: 72.357 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 71.75 Mbit/s
95th percentile per-packet one-way delay: 72.357 ms
Loss rate: 2.79%
```

Run 3: Report of QUIC Cubic — Data Link

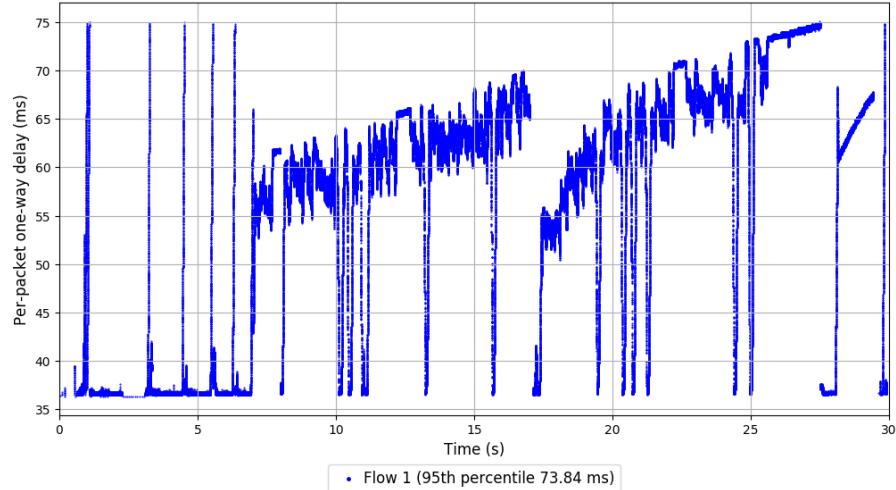
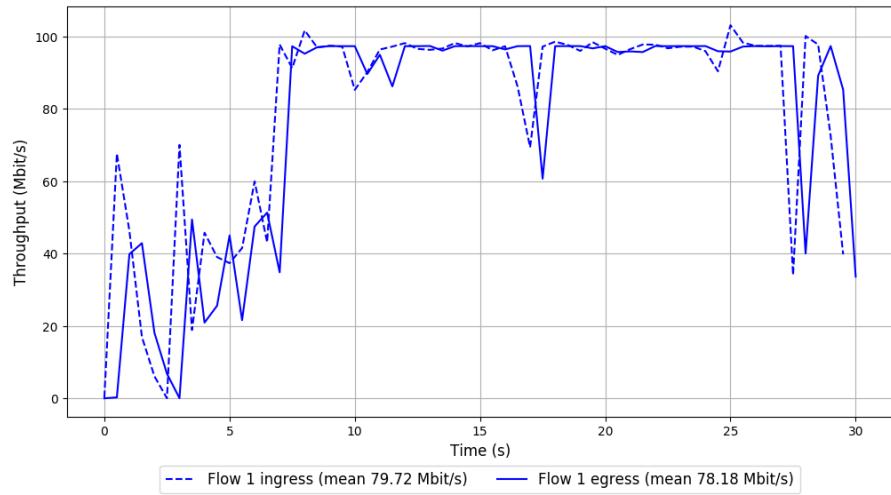


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-06-29 14:02:01
End at: 2018-06-29 14:02:31
Local clock offset: -0.561 ms
Remote clock offset: 3.033 ms

# Below is generated by plot.py at 2018-06-29 17:04:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.18 Mbit/s
95th percentile per-packet one-way delay: 73.843 ms
Loss rate: 1.93%
-- Flow 1:
Average throughput: 78.18 Mbit/s
95th percentile per-packet one-way delay: 73.843 ms
Loss rate: 1.93%
```

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

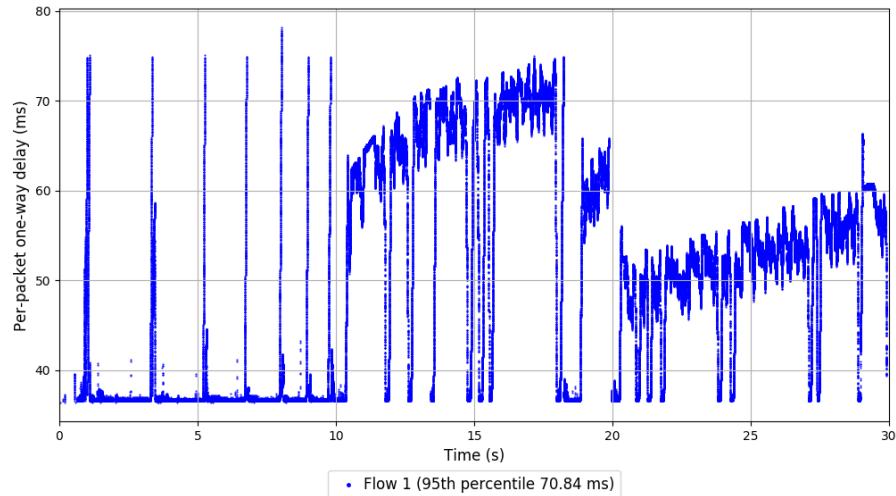
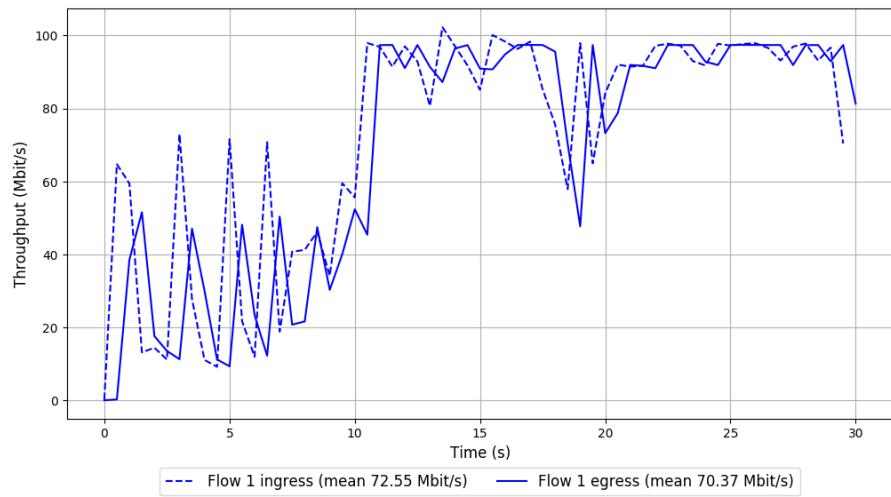


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-06-29 14:26:43
End at: 2018-06-29 14:27:13
Local clock offset: -2.104 ms
Remote clock offset: 0.936 ms

# Below is generated by plot.py at 2018-06-29 17:04:17
# Datalink statistics
-- Total of 1 flow:
Average throughput: 70.37 Mbit/s
95th percentile per-packet one-way delay: 70.839 ms
Loss rate: 2.99%
-- Flow 1:
Average throughput: 70.37 Mbit/s
95th percentile per-packet one-way delay: 70.839 ms
Loss rate: 2.99%
```

Run 5: Report of QUIC Cubic — Data Link

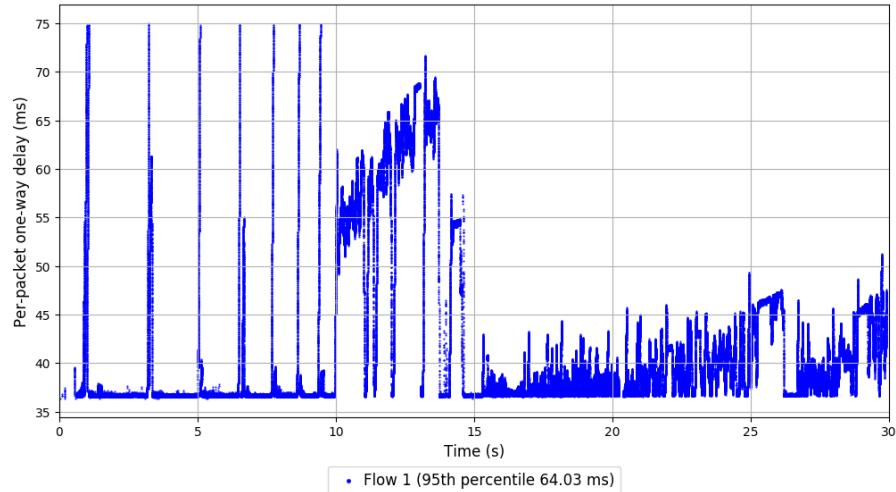
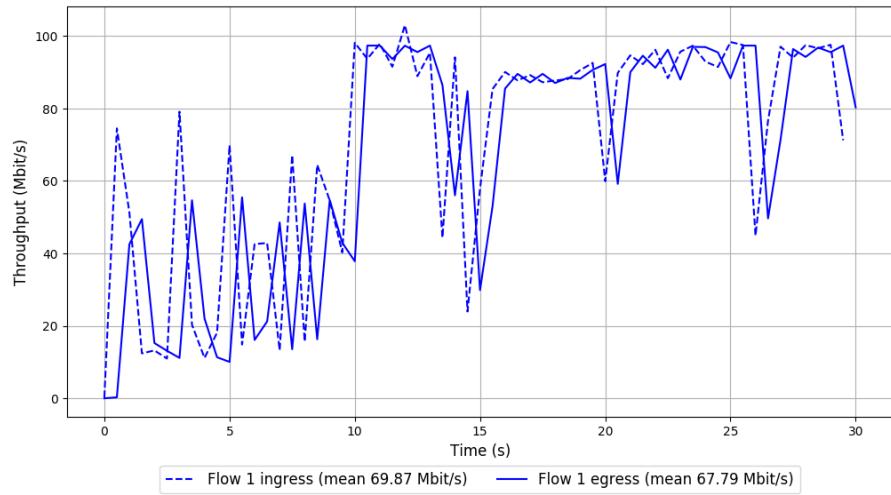


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-06-29 14:51:05
End at: 2018-06-29 14:51:36
Local clock offset: -2.755 ms
Remote clock offset: -0.197 ms

# Below is generated by plot.py at 2018-06-29 17:04:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 67.79 Mbit/s
95th percentile per-packet one-way delay: 64.035 ms
Loss rate: 2.95%
-- Flow 1:
Average throughput: 67.79 Mbit/s
95th percentile per-packet one-way delay: 64.035 ms
Loss rate: 2.95%
```

### Run 6: Report of QUIC Cubic — Data Link

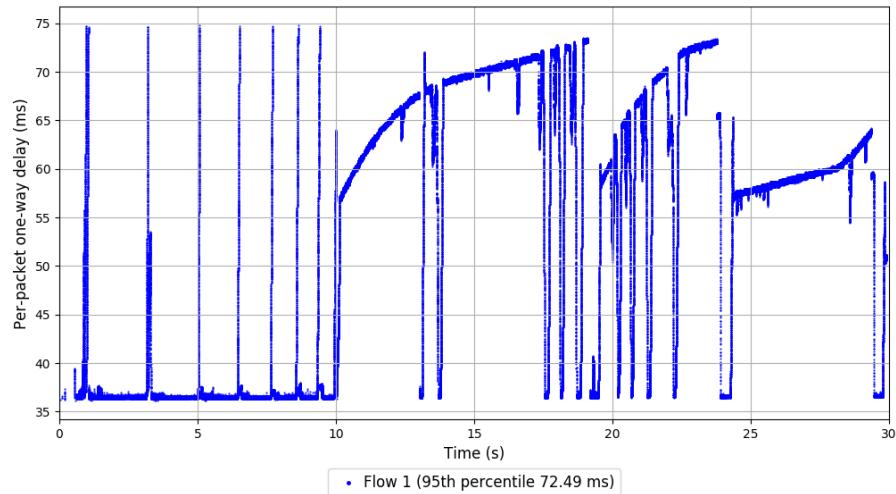
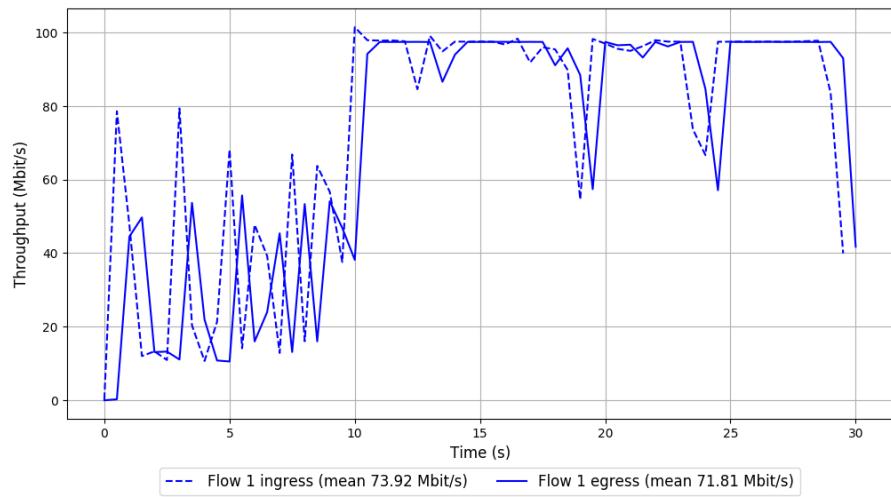


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-06-29 15:15:12
End at: 2018-06-29 15:15:42
Local clock offset: -2.343 ms
Remote clock offset: 3.707 ms

# Below is generated by plot.py at 2018-06-29 17:04:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.81 Mbit/s
95th percentile per-packet one-way delay: 72.493 ms
Loss rate: 2.81%
-- Flow 1:
Average throughput: 71.81 Mbit/s
95th percentile per-packet one-way delay: 72.493 ms
Loss rate: 2.81%
```

### Run 7: Report of QUIC Cubic — Data Link

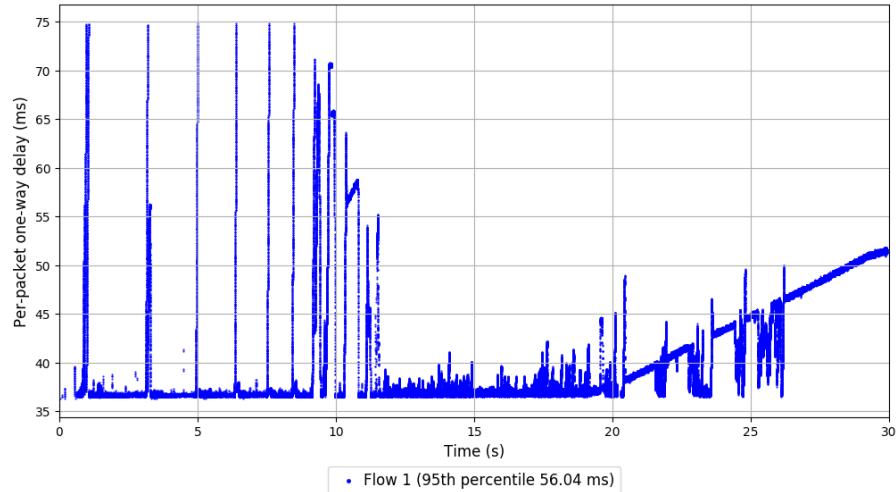
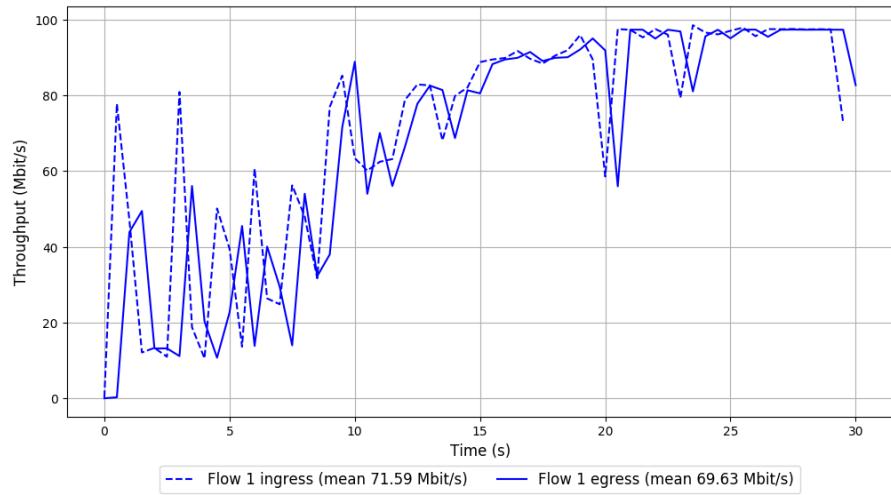


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-06-29 15:39:19
End at: 2018-06-29 15:39:49
Local clock offset: 1.997 ms
Remote clock offset: 4.206 ms

# Below is generated by plot.py at 2018-06-29 17:04:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.63 Mbit/s
95th percentile per-packet one-way delay: 56.038 ms
Loss rate: 2.68%
-- Flow 1:
Average throughput: 69.63 Mbit/s
95th percentile per-packet one-way delay: 56.038 ms
Loss rate: 2.68%
```

### Run 8: Report of QUIC Cubic — Data Link

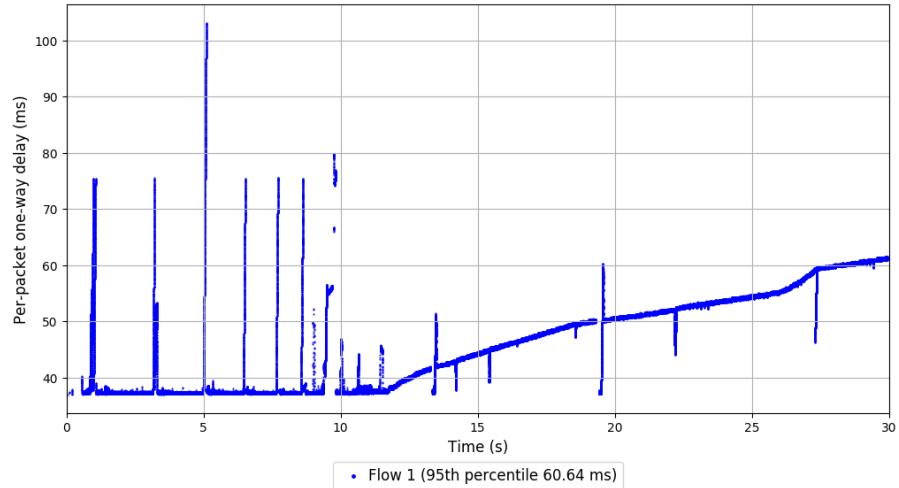
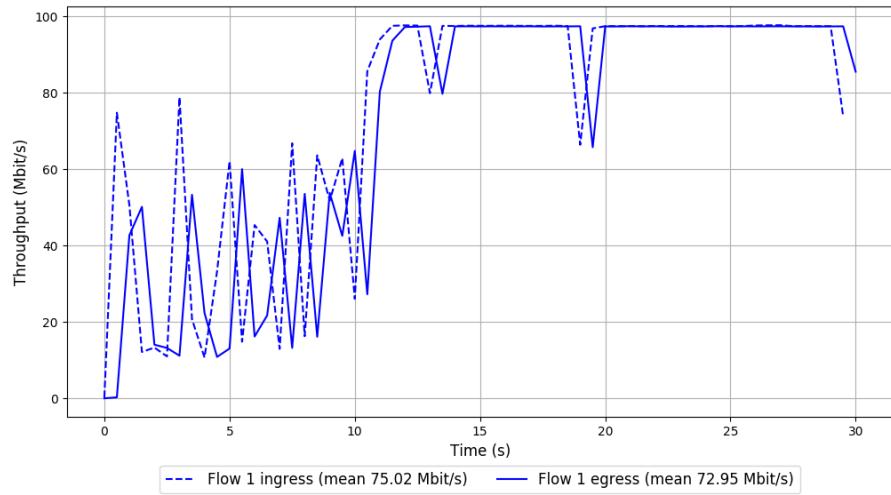


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-06-29 16:04:12
End at: 2018-06-29 16:04:42
Local clock offset: -1.517 ms
Remote clock offset: 4.3 ms

# Below is generated by plot.py at 2018-06-29 17:04:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.95 Mbit/s
95th percentile per-packet one-way delay: 60.644 ms
Loss rate: 2.68%
-- Flow 1:
Average throughput: 72.95 Mbit/s
95th percentile per-packet one-way delay: 60.644 ms
Loss rate: 2.68%
```

### Run 9: Report of QUIC Cubic — Data Link

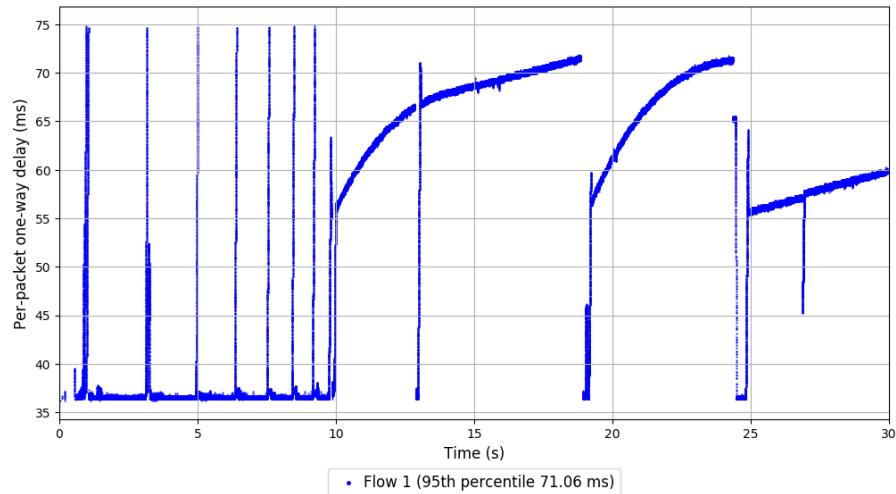
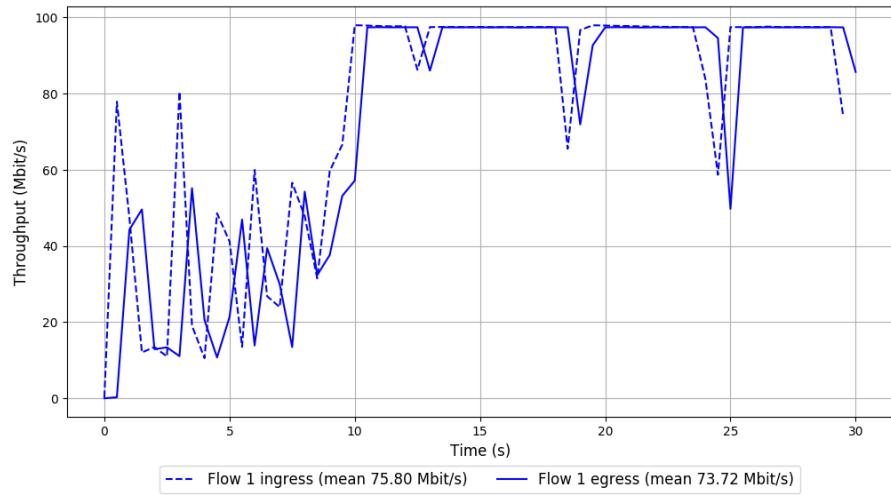


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-06-29 16:28:00
End at: 2018-06-29 16:28:31
Local clock offset: -1.621 ms
Remote clock offset: 4.37 ms

# Below is generated by plot.py at 2018-06-29 17:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.72 Mbit/s
95th percentile per-packet one-way delay: 71.058 ms
Loss rate: 2.67%
-- Flow 1:
Average throughput: 73.72 Mbit/s
95th percentile per-packet one-way delay: 71.058 ms
Loss rate: 2.67%
```

### Run 10: Report of QUIC Cubic — Data Link

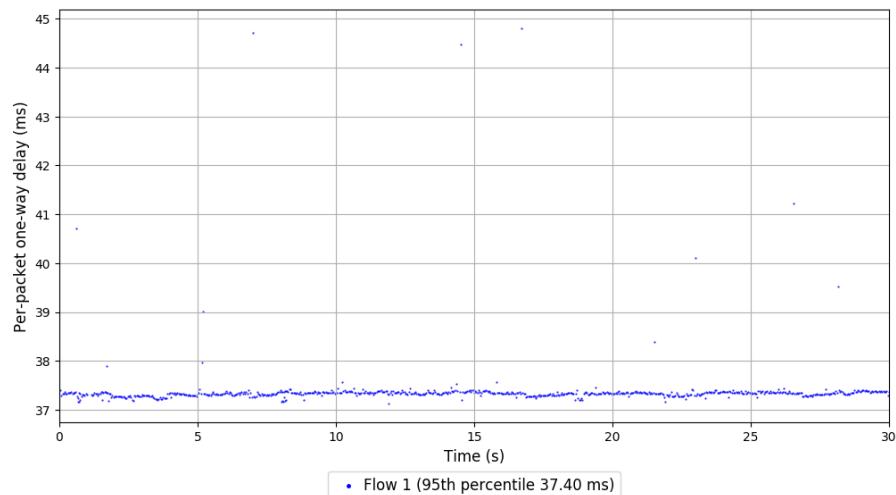
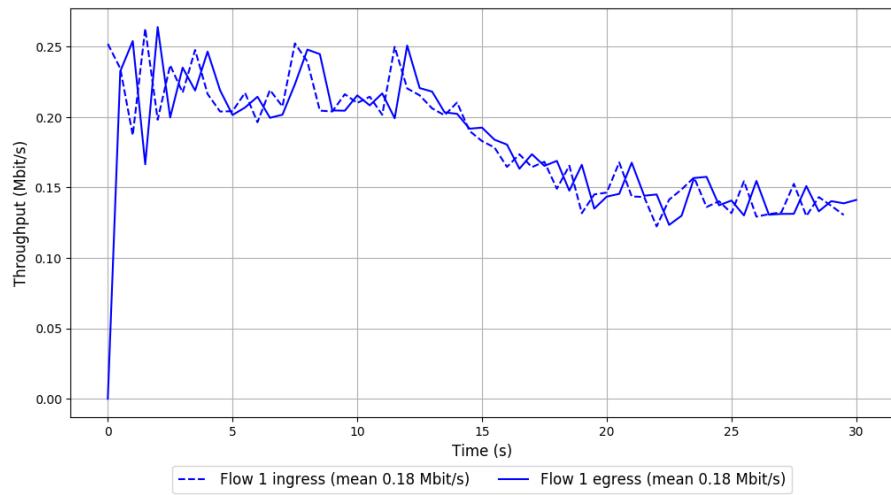


```
Run 1: Statistics of SCReAM

Start at: 2018-06-29 13:11:10
End at: 2018-06-29 13:11:40
Local clock offset: -3.558 ms
Remote clock offset: 6.32 ms

# Below is generated by plot.py at 2018-06-29 17:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 37.398 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 0.18 Mbit/s
95th percentile per-packet one-way delay: 37.398 ms
Loss rate: 0.16%
```

Run 1: Report of SCReAM — Data Link

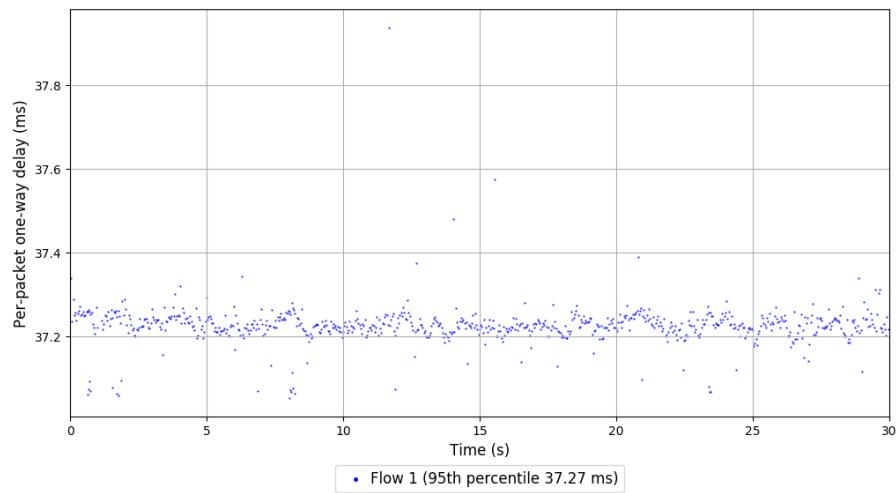
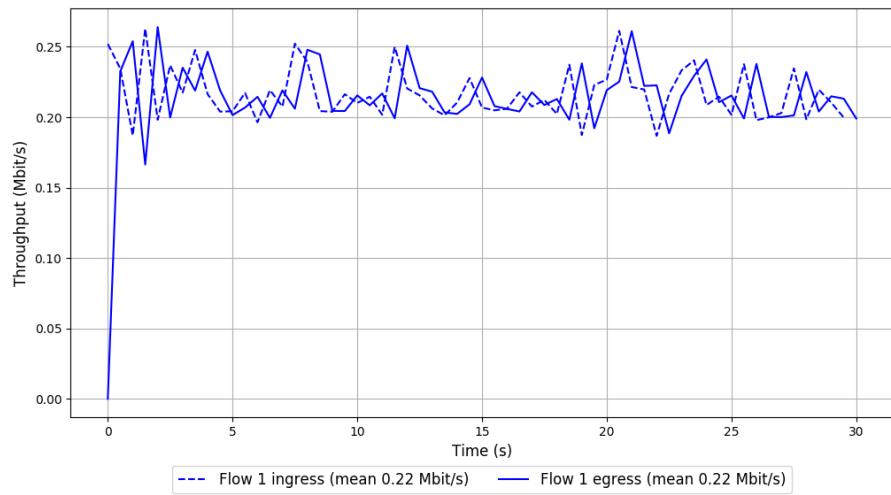


Run 2: Statistics of SCReAM

```
Start at: 2018-06-29 13:34:25
End at: 2018-06-29 13:34:55
Local clock offset: -4.314 ms
Remote clock offset: 2.645 ms

# Below is generated by plot.py at 2018-06-29 17:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.267 ms
Loss rate: 0.13%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.267 ms
Loss rate: 0.13%
```

Run 2: Report of SCReAM — Data Link

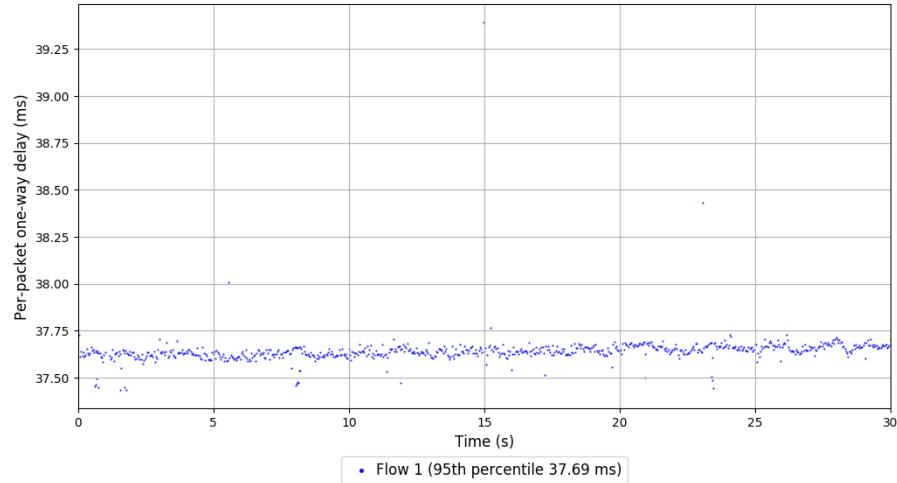
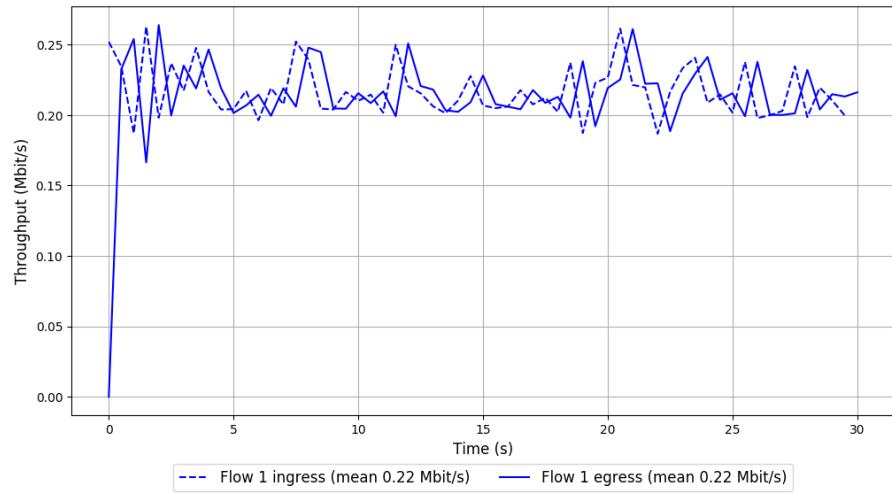


Run 3: Statistics of SCReAM

```
Start at: 2018-06-29 13:58:03
End at: 2018-06-29 13:58:33
Local clock offset: -1.087 ms
Remote clock offset: 3.219 ms

# Below is generated by plot.py at 2018-06-29 17:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.687 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.687 ms
Loss rate: 0.00%
```

Run 3: Report of SCReAM — Data Link

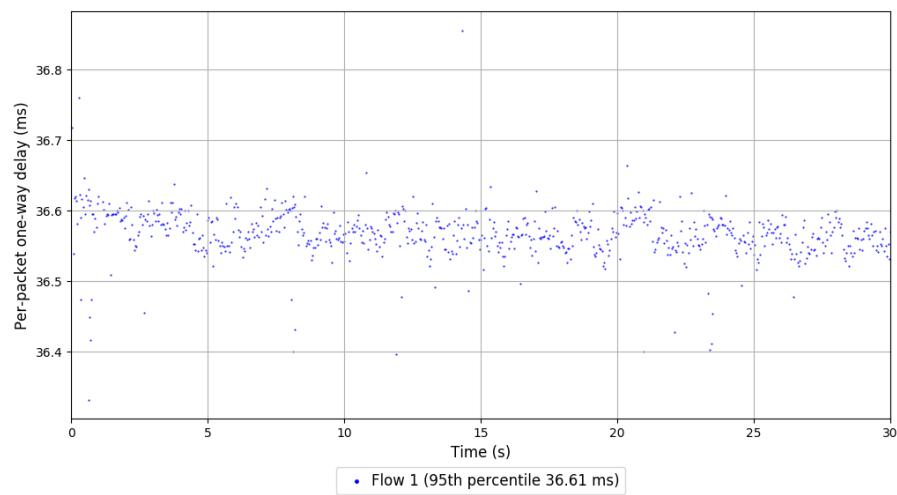
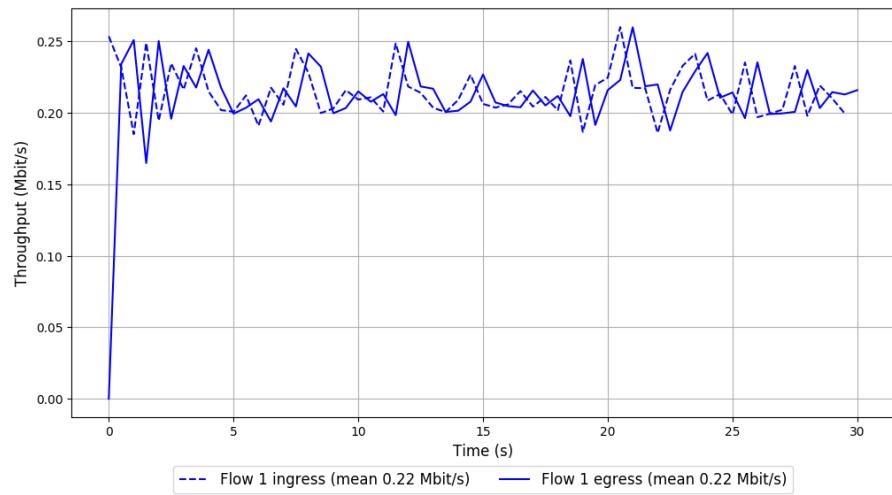


Run 4: Statistics of SCReAM

```
Start at: 2018-06-29 14:22:51
End at: 2018-06-29 14:23:21
Local clock offset: -1.599 ms
Remote clock offset: 1.855 ms

# Below is generated by plot.py at 2018-06-29 17:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.612 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.612 ms
Loss rate: 0.00%
```

Run 4: Report of SCReAM — Data Link

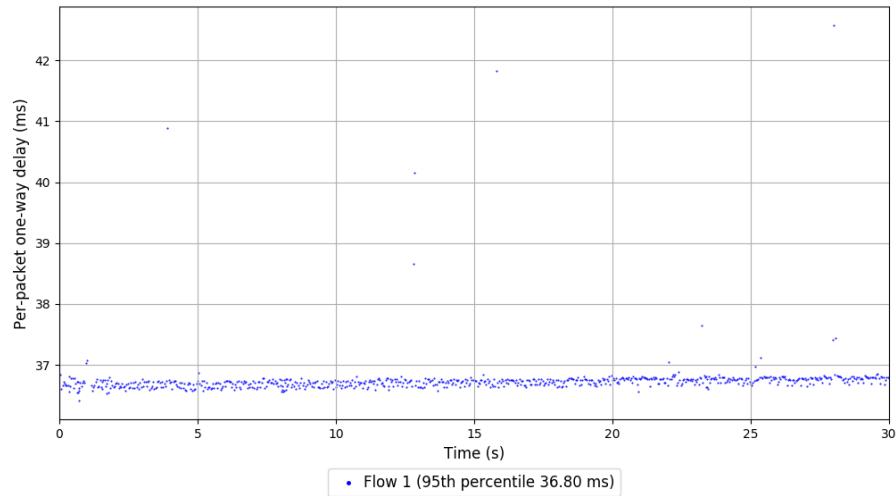
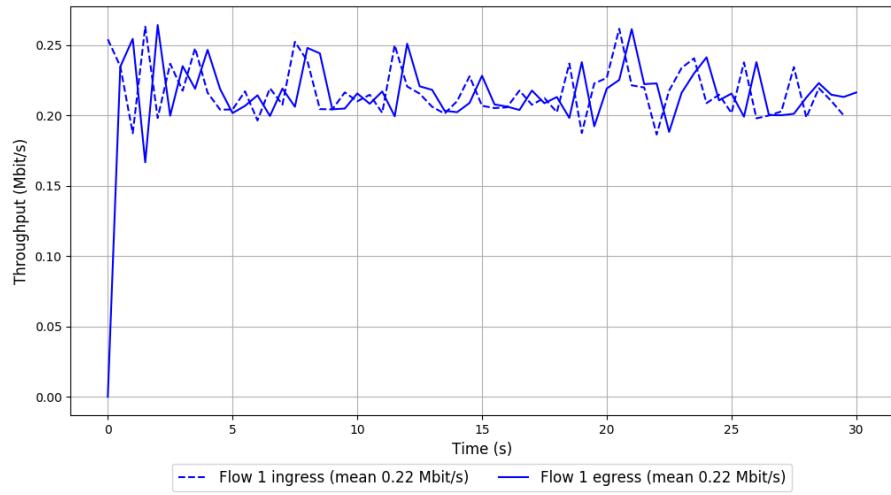


Run 5: Statistics of SCReAM

```
Start at: 2018-06-29 14:47:06
End at: 2018-06-29 14:47:36
Local clock offset: -3.176 ms
Remote clock offset: 0.049 ms

# Below is generated by plot.py at 2018-06-29 17:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.804 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.804 ms
Loss rate: 0.00%
```

Run 5: Report of SCReAM — Data Link

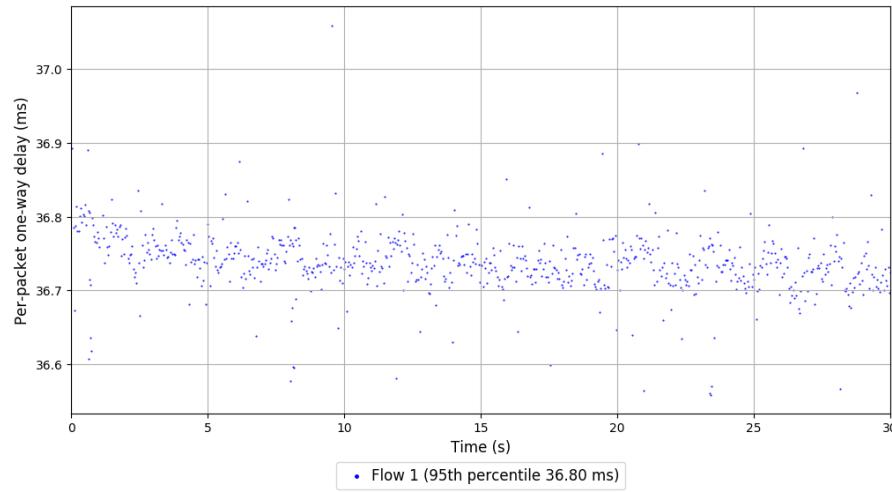
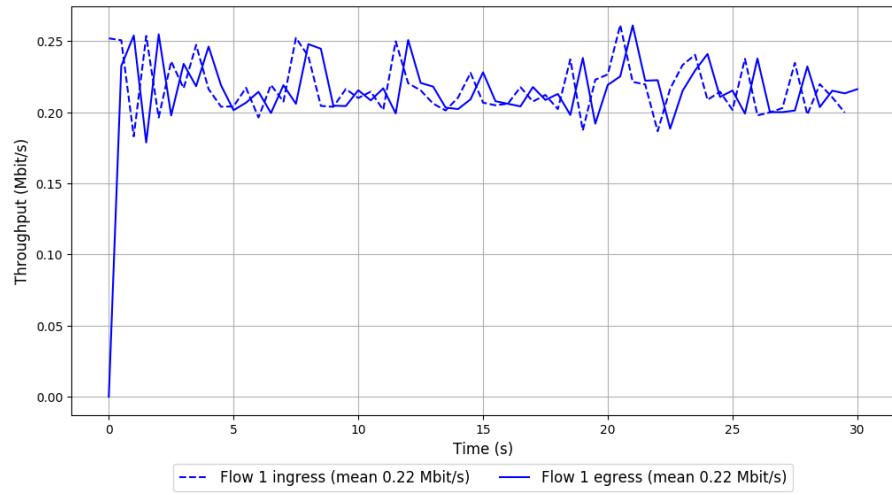


Run 6: Statistics of SCReAM

```
Start at: 2018-06-29 15:11:13
End at: 2018-06-29 15:11:43
Local clock offset: -2.411 ms
Remote clock offset: 3.686 ms

# Below is generated by plot.py at 2018-06-29 17:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.798 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 36.798 ms
Loss rate: 0.00%
```

Run 6: Report of SCReAM — Data Link

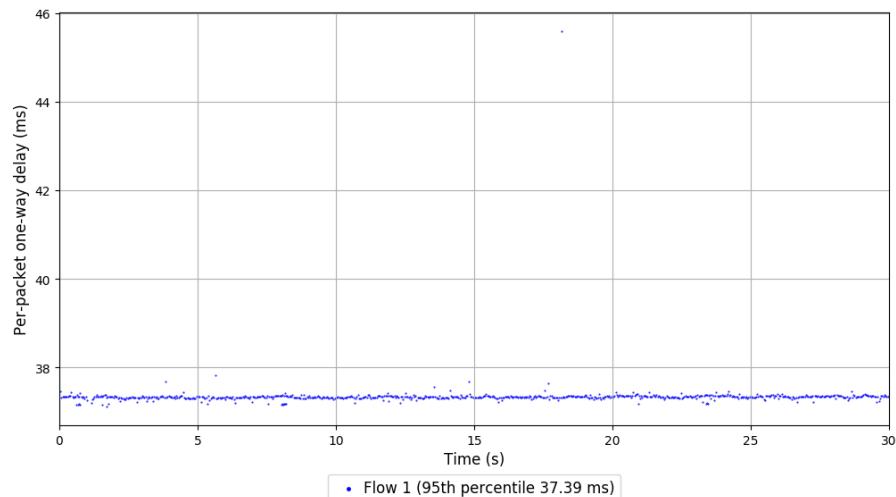
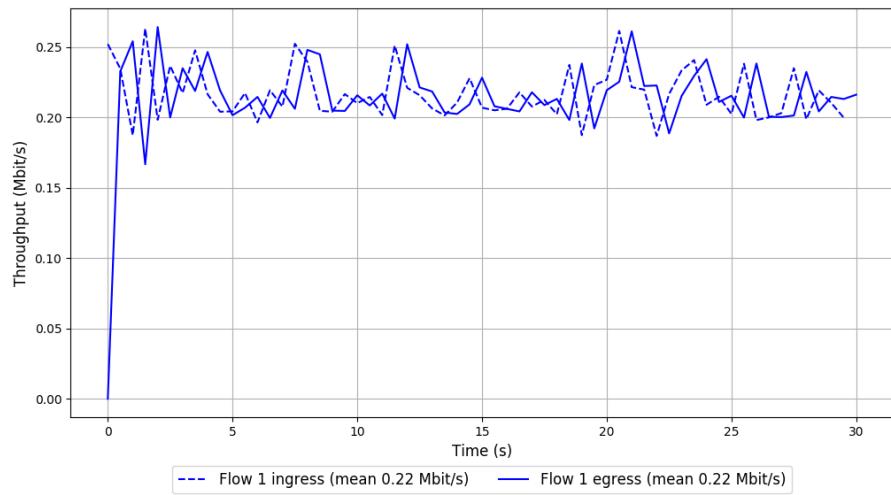


Run 7: Statistics of SCReAM

```
Start at: 2018-06-29 15:35:22
End at: 2018-06-29 15:35:52
Local clock offset: 1.723 ms
Remote clock offset: 4.167 ms

# Below is generated by plot.py at 2018-06-29 17:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.389 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.389 ms
Loss rate: 0.00%
```

Run 7: Report of SCReAM — Data Link

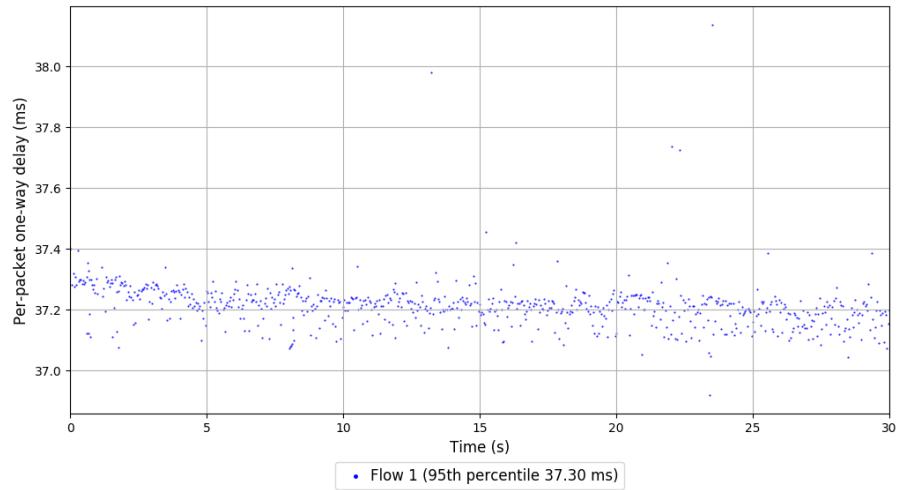
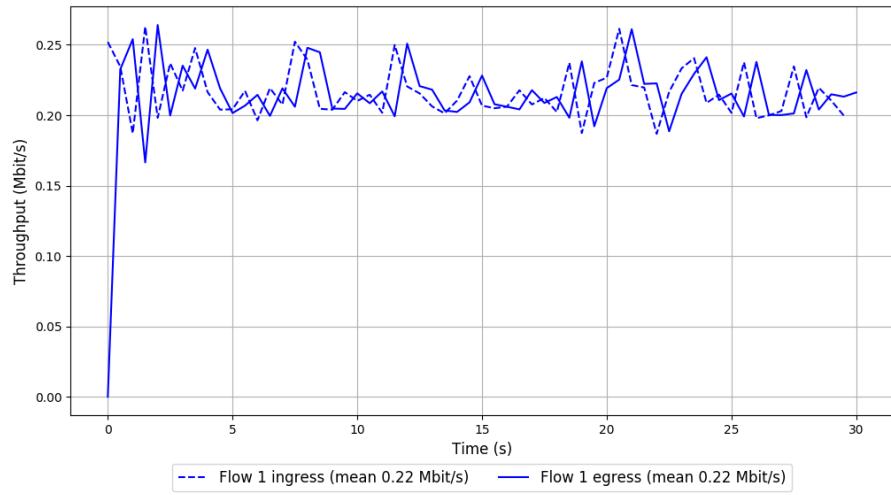


Run 8: Statistics of SCReAM

```
Start at: 2018-06-29 16:00:22
End at: 2018-06-29 16:00:52
Local clock offset: -1.15 ms
Remote clock offset: 4.237 ms

# Below is generated by plot.py at 2018-06-29 17:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.295 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.295 ms
Loss rate: 0.00%
```

Run 8: Report of SCReAM — Data Link

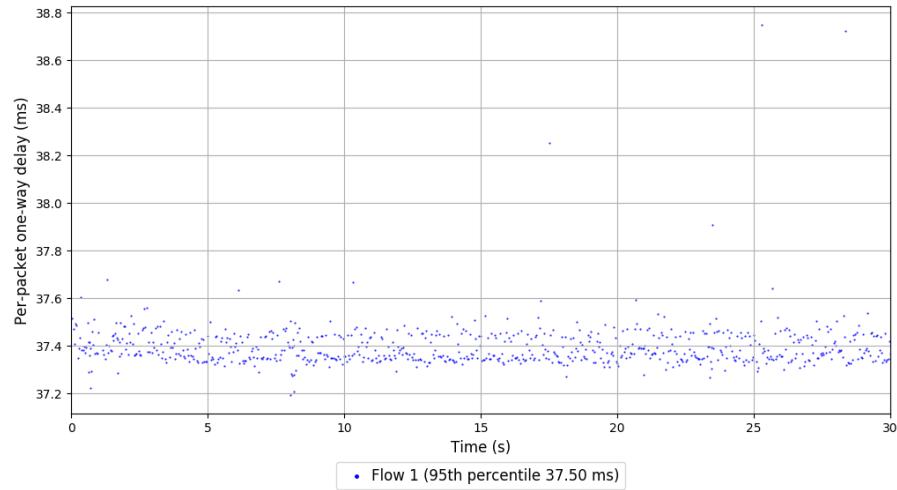
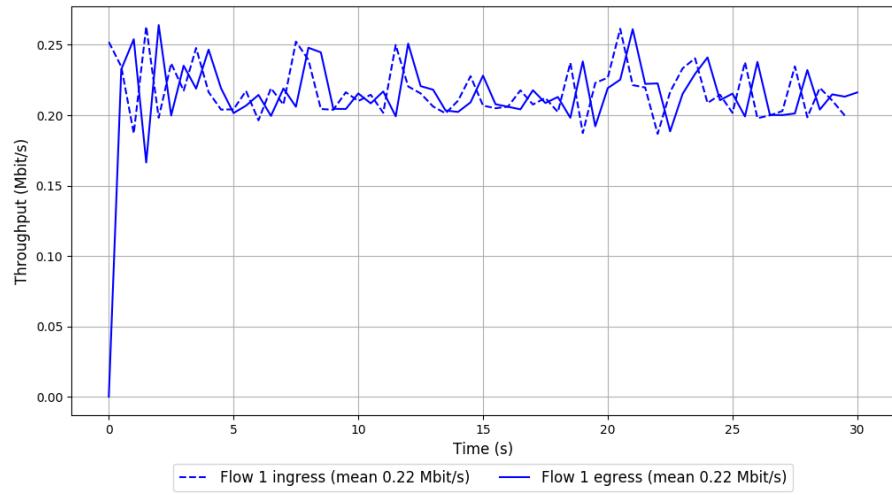


Run 9: Statistics of SCReAM

```
Start at: 2018-06-29 16:24:08
End at: 2018-06-29 16:24:38
Local clock offset: -1.74 ms
Remote clock offset: 4.467 ms

# Below is generated by plot.py at 2018-06-29 17:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.496 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.496 ms
Loss rate: 0.00%
```

Run 9: Report of SCReAM — Data Link

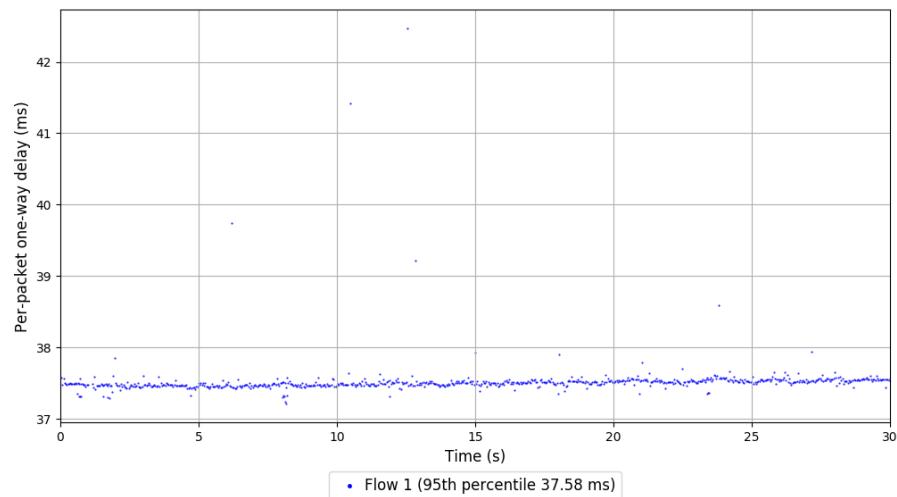
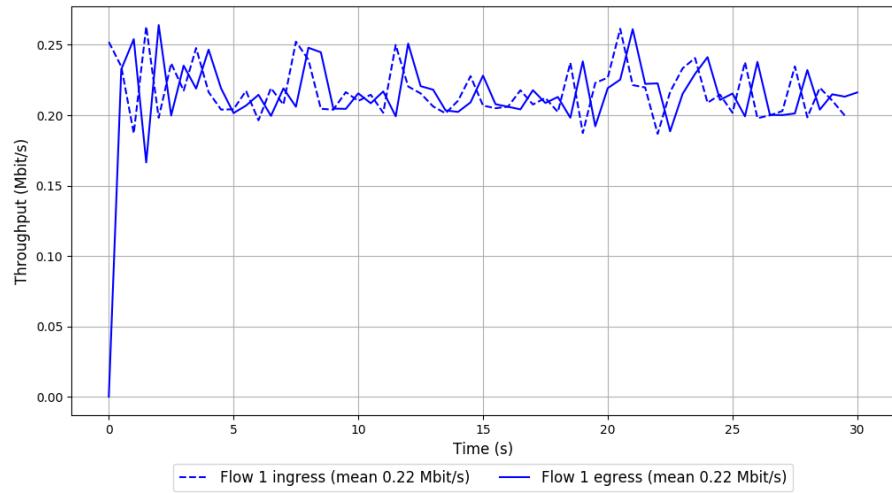


Run 10: Statistics of SCReAM

```
Start at: 2018-06-29 16:47:15
End at: 2018-06-29 16:47:45
Local clock offset: -1.229 ms
Remote clock offset: 7.048 ms

# Below is generated by plot.py at 2018-06-29 17:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.579 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 37.579 ms
Loss rate: 0.00%
```

Run 10: Report of SCReAM — Data Link

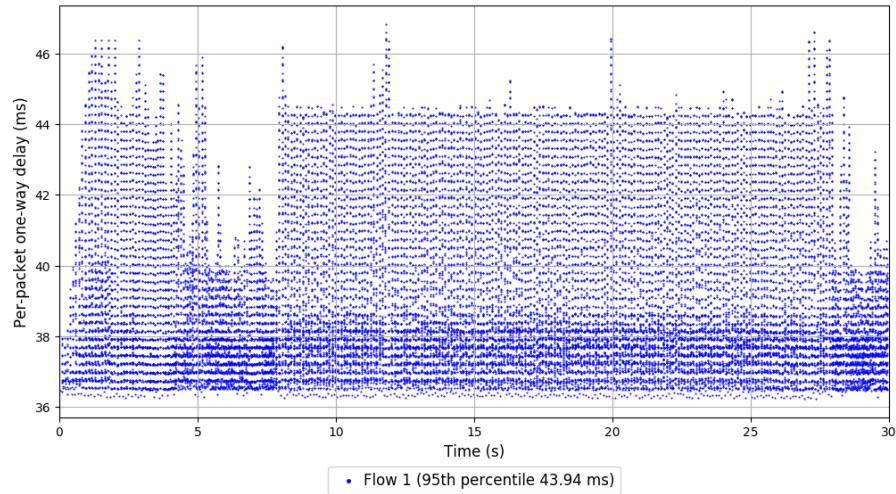
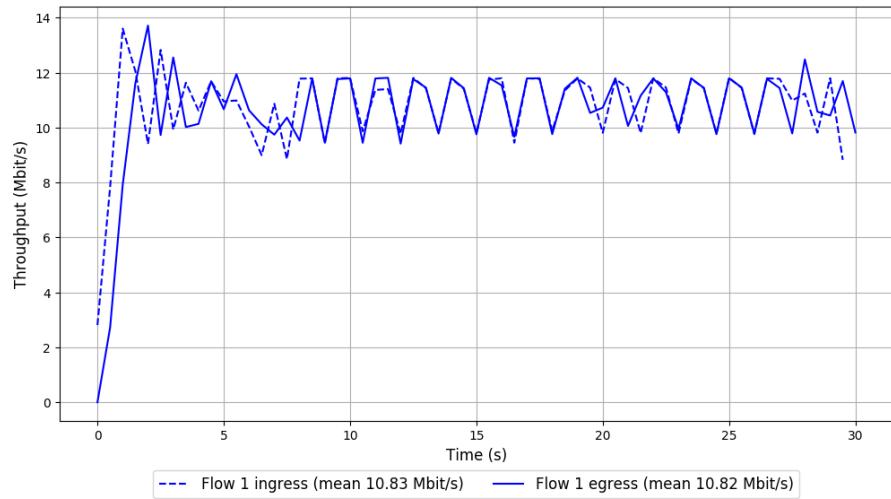


Run 1: Statistics of Sprout

```
Start at: 2018-06-29 13:08:22
End at: 2018-06-29 13:08:52
Local clock offset: -3.495 ms
Remote clock offset: 6.839 ms

# Below is generated by plot.py at 2018-06-29 17:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.82 Mbit/s
95th percentile per-packet one-way delay: 43.935 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.82 Mbit/s
95th percentile per-packet one-way delay: 43.935 ms
Loss rate: 0.00%
```

## Run 1: Report of Sprout — Data Link

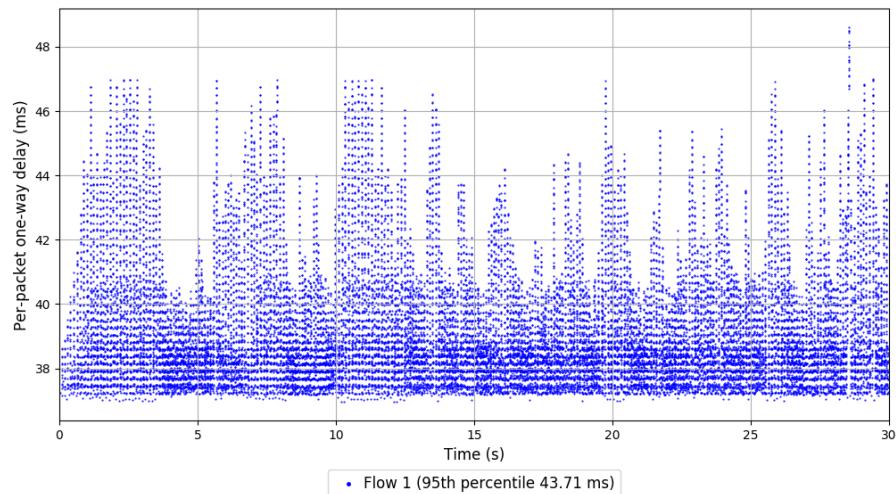
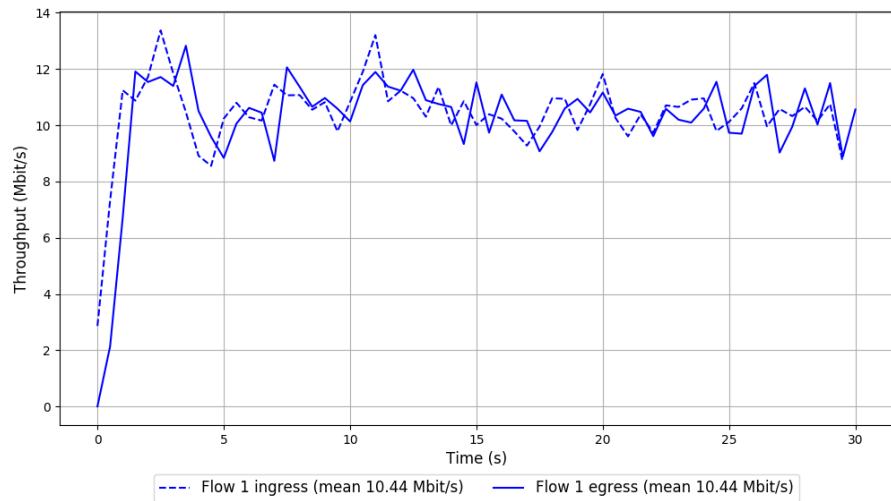


Run 2: Statistics of Sprout

```
Start at: 2018-06-29 13:31:40
End at: 2018-06-29 13:32:10
Local clock offset: -4.147 ms
Remote clock offset: 2.898 ms

# Below is generated by plot.py at 2018-06-29 17:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.44 Mbit/s
95th percentile per-packet one-way delay: 43.711 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 10.44 Mbit/s
95th percentile per-packet one-way delay: 43.711 ms
Loss rate: 0.04%
```

## Run 2: Report of Sprout — Data Link

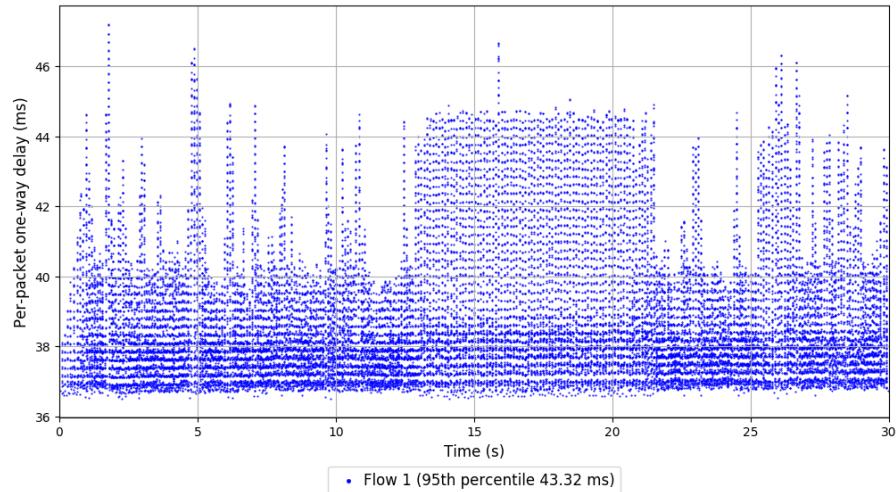
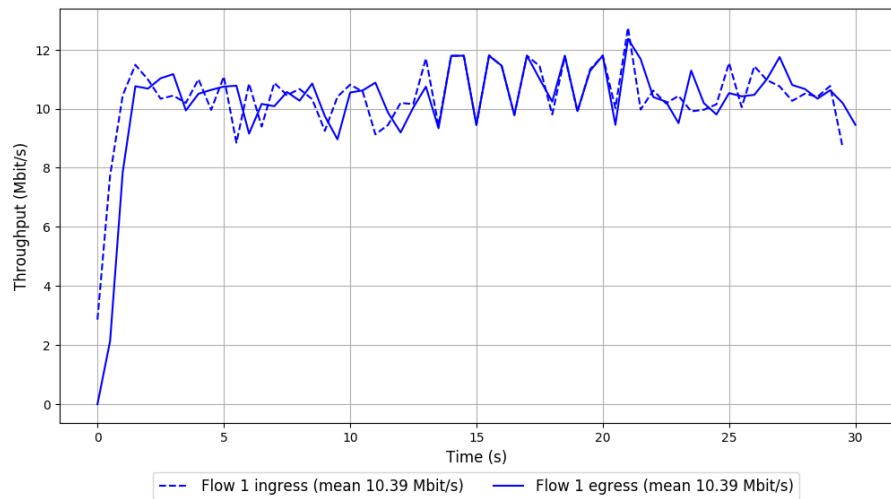


Run 3: Statistics of Sprout

```
Start at: 2018-06-29 13:54:59
End at: 2018-06-29 13:55:29
Local clock offset: -1.659 ms
Remote clock offset: 3.026 ms

# Below is generated by plot.py at 2018-06-29 17:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.39 Mbit/s
95th percentile per-packet one-way delay: 43.316 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.39 Mbit/s
95th percentile per-packet one-way delay: 43.316 ms
Loss rate: 0.00%
```

Run 3: Report of Sprout — Data Link

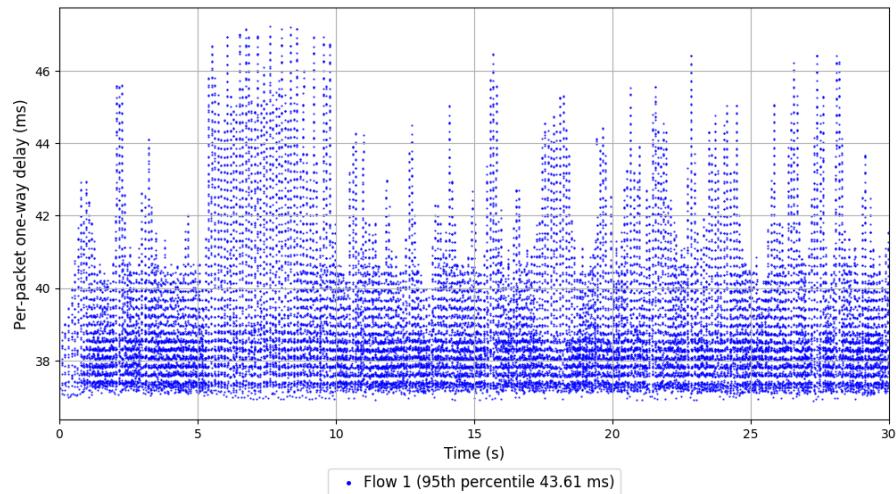
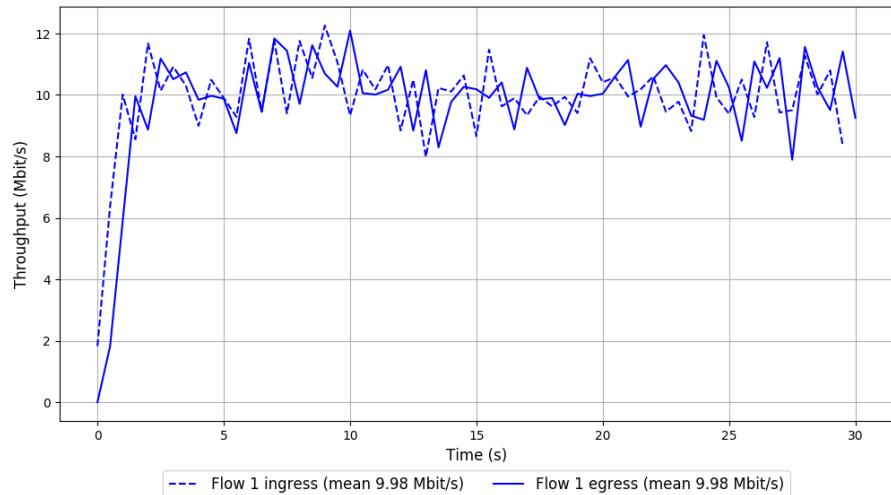


Run 4: Statistics of Sprout

```
Start at: 2018-06-29 14:20:02
End at: 2018-06-29 14:20:32
Local clock offset: -1.051 ms
Remote clock offset: 2.228 ms

# Below is generated by plot.py at 2018-06-29 17:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.98 Mbit/s
95th percentile per-packet one-way delay: 43.609 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.98 Mbit/s
95th percentile per-packet one-way delay: 43.609 ms
Loss rate: 0.00%
```

## Run 4: Report of Sprout — Data Link

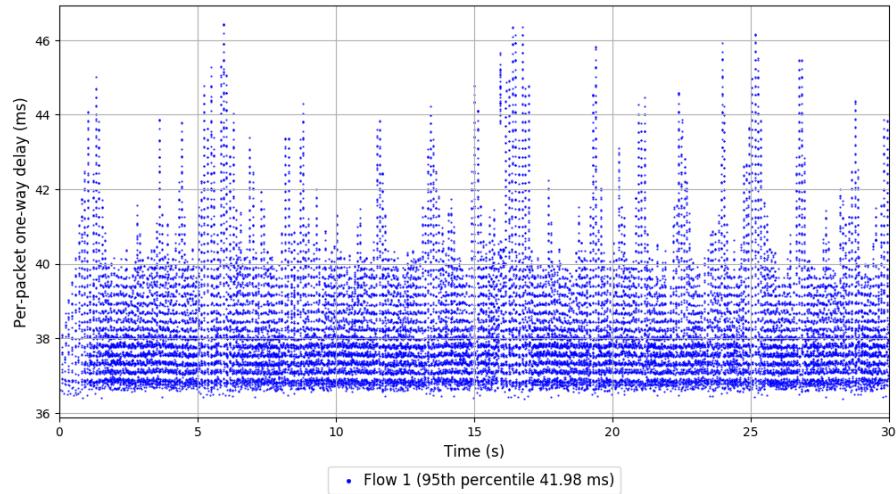
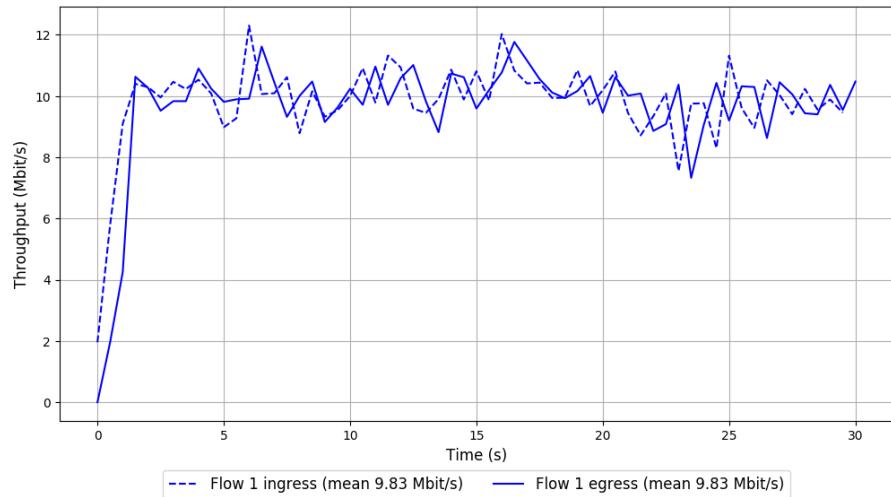


Run 5: Statistics of Sprout

```
Start at: 2018-06-29 14:44:28
End at: 2018-06-29 14:44:58
Local clock offset: -3.311 ms
Remote clock offset: 0.322 ms

# Below is generated by plot.py at 2018-06-29 17:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 9.83 Mbit/s
95th percentile per-packet one-way delay: 41.979 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 9.83 Mbit/s
95th percentile per-packet one-way delay: 41.979 ms
Loss rate: 0.00%
```

## Run 5: Report of Sprout — Data Link

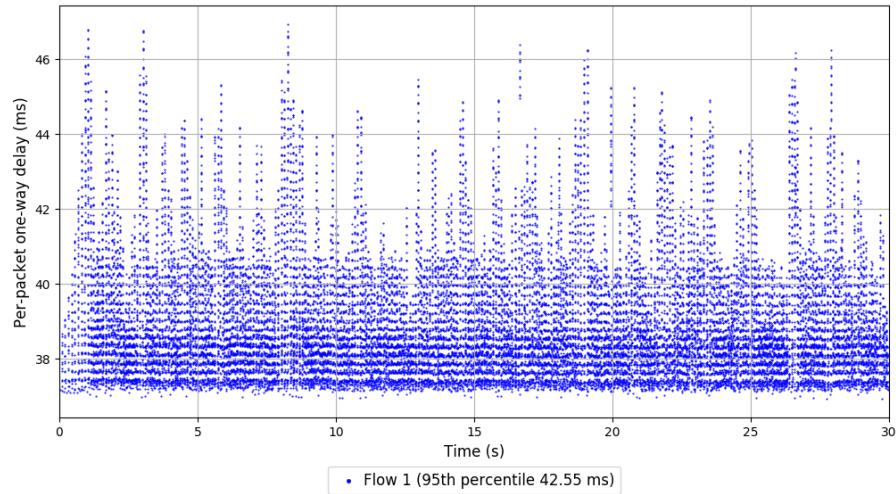
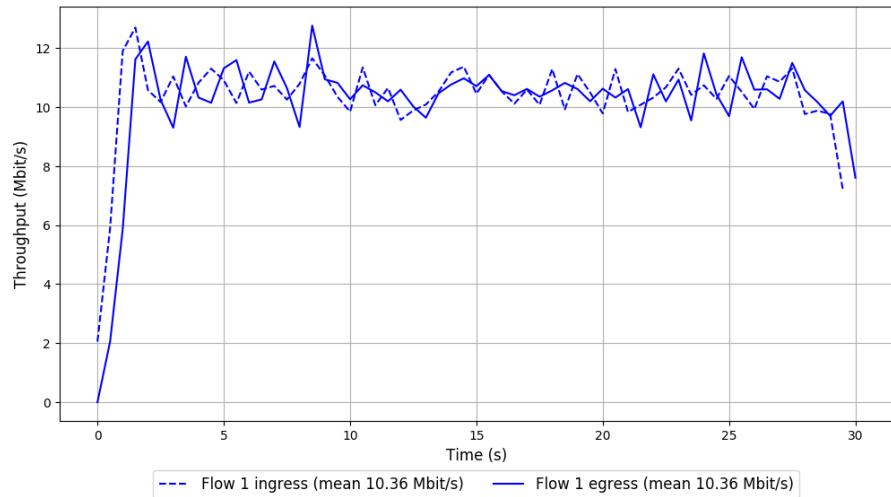


Run 6: Statistics of Sprout

```
Start at: 2018-06-29 15:08:14
End at: 2018-06-29 15:08:44
Local clock offset: -2.292 ms
Remote clock offset: 3.404 ms

# Below is generated by plot.py at 2018-06-29 17:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.36 Mbit/s
95th percentile per-packet one-way delay: 42.555 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.36 Mbit/s
95th percentile per-packet one-way delay: 42.555 ms
Loss rate: 0.00%
```

## Run 6: Report of Sprout — Data Link

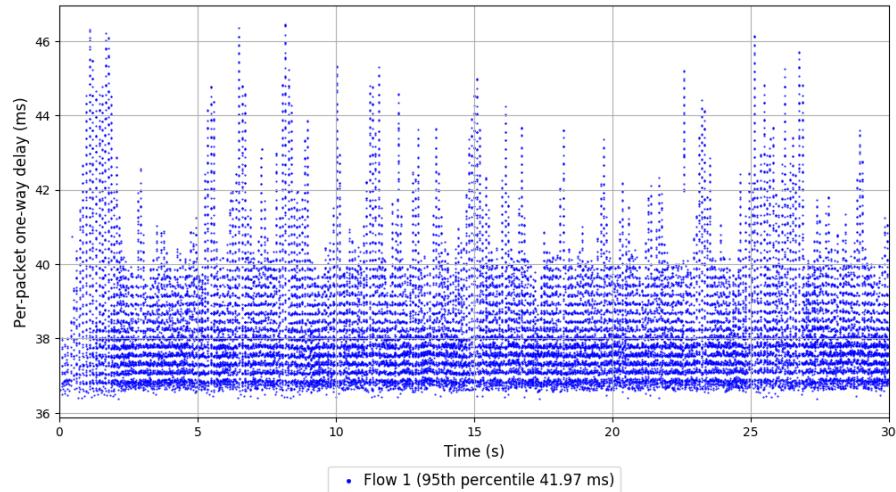
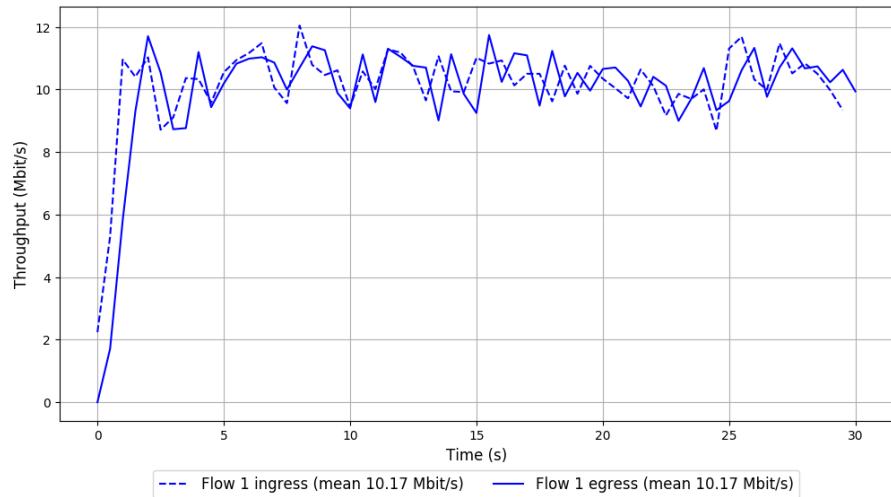


Run 7: Statistics of Sprout

```
Start at: 2018-06-29 15:32:30
End at: 2018-06-29 15:33:00
Local clock offset: 1.455 ms
Remote clock offset: 4.149 ms

# Below is generated by plot.py at 2018-06-29 17:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.17 Mbit/s
95th percentile per-packet one-way delay: 41.968 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.17 Mbit/s
95th percentile per-packet one-way delay: 41.968 ms
Loss rate: 0.00%
```

### Run 7: Report of Sprout — Data Link

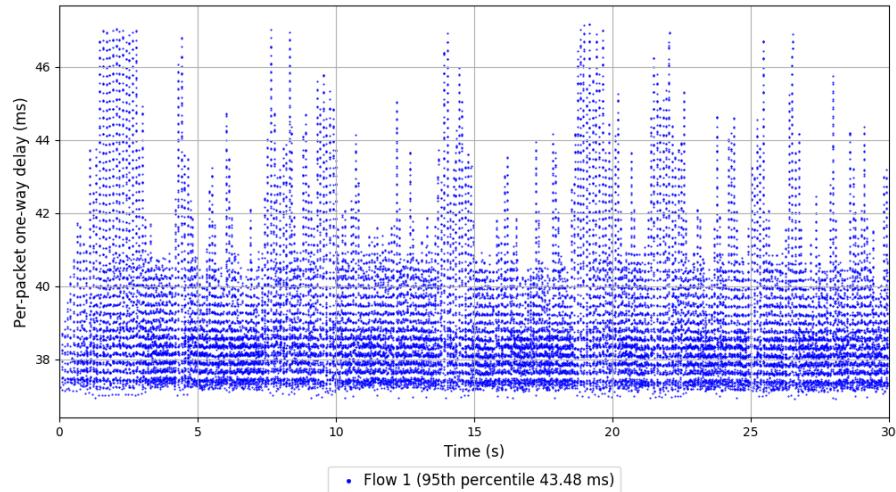
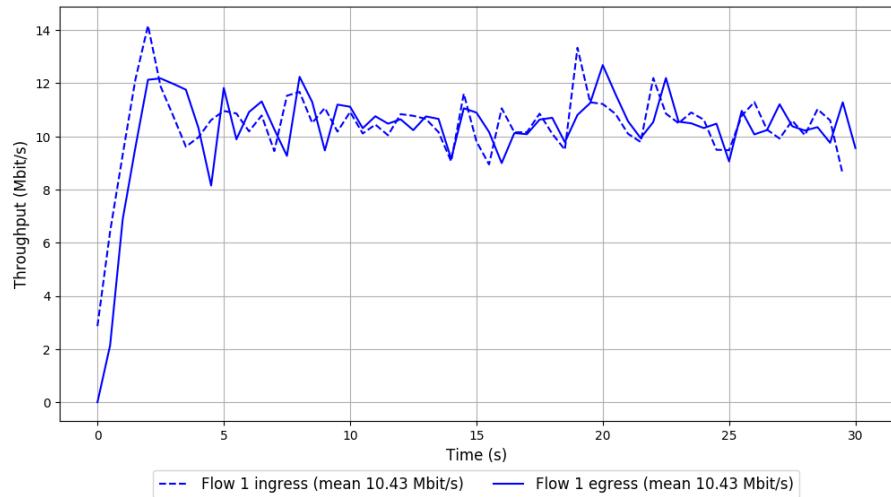


Run 8: Statistics of Sprout

```
Start at: 2018-06-29 15:57:35
End at: 2018-06-29 15:58:05
Local clock offset: -0.838 ms
Remote clock offset: 4.267 ms

# Below is generated by plot.py at 2018-06-29 17:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.43 Mbit/s
95th percentile per-packet one-way delay: 43.479 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.43 Mbit/s
95th percentile per-packet one-way delay: 43.479 ms
Loss rate: 0.00%
```

Run 8: Report of Sprout — Data Link

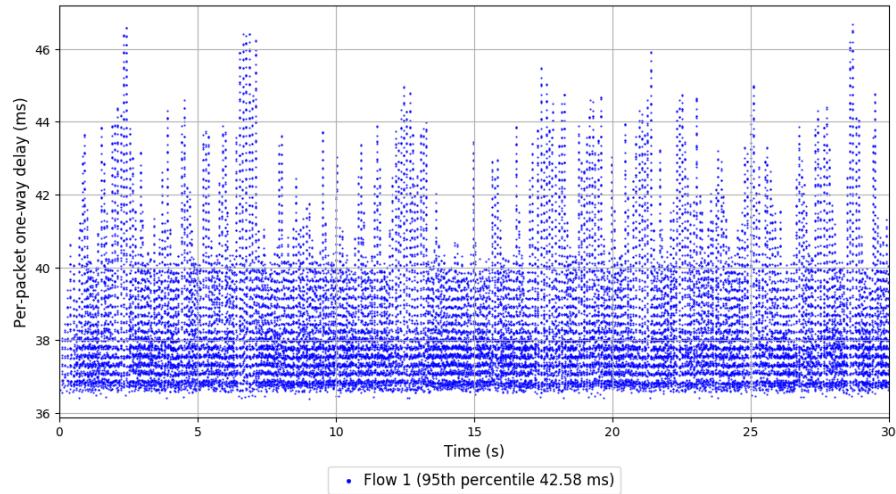
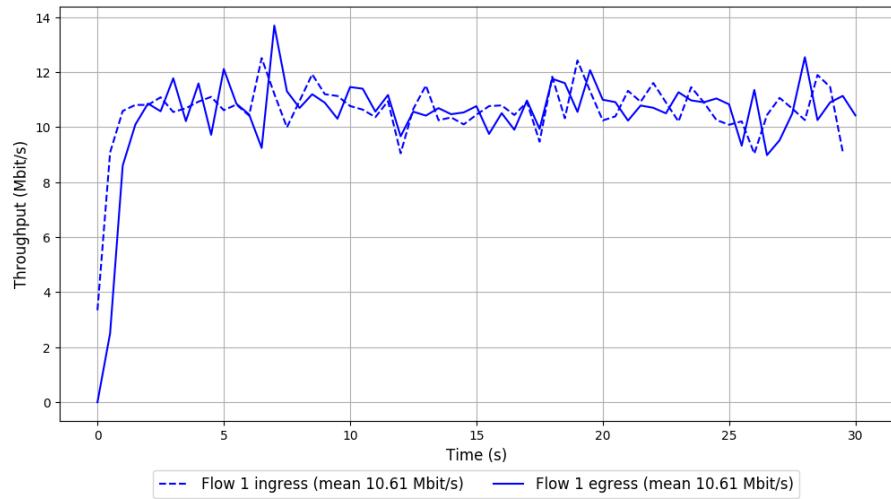


Run 9: Statistics of Sprout

```
Start at: 2018-06-29 16:21:26
End at: 2018-06-29 16:21:56
Local clock offset: -1.742 ms
Remote clock offset: 4.445 ms

# Below is generated by plot.py at 2018-06-29 17:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.61 Mbit/s
95th percentile per-packet one-way delay: 42.575 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.61 Mbit/s
95th percentile per-packet one-way delay: 42.575 ms
Loss rate: 0.00%
```

## Run 9: Report of Sprout — Data Link

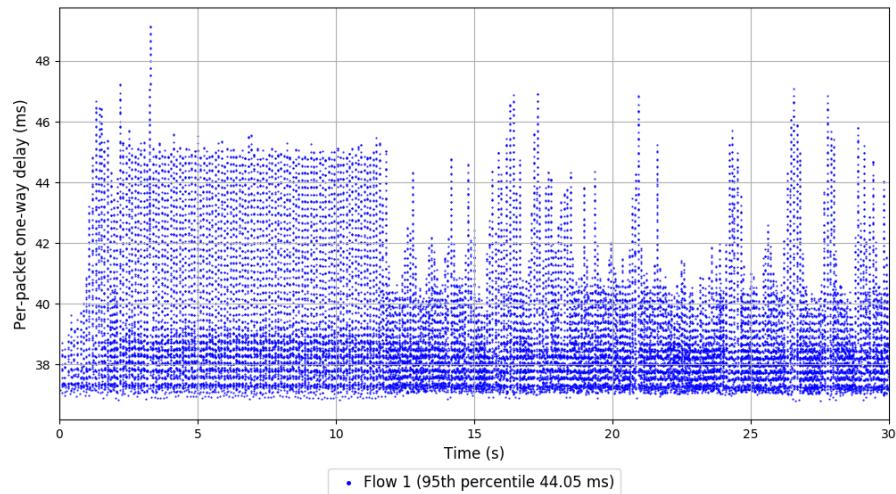
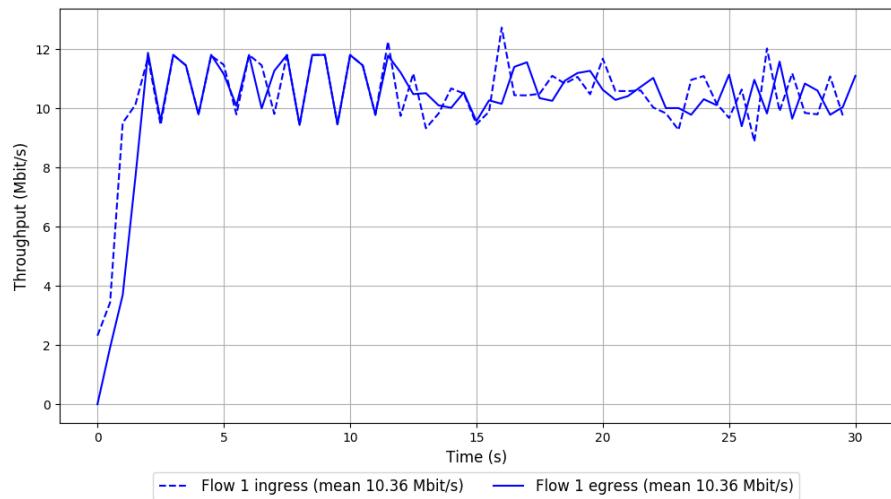


Run 10: Statistics of Sprout

```
Start at: 2018-06-29 16:44:29
End at: 2018-06-29 16:44:59
Local clock offset: -1.755 ms
Remote clock offset: 6.659 ms

# Below is generated by plot.py at 2018-06-29 17:04:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 10.36 Mbit/s
95th percentile per-packet one-way delay: 44.053 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 10.36 Mbit/s
95th percentile per-packet one-way delay: 44.053 ms
Loss rate: 0.00%
```

Run 10: Report of Sprout — Data Link

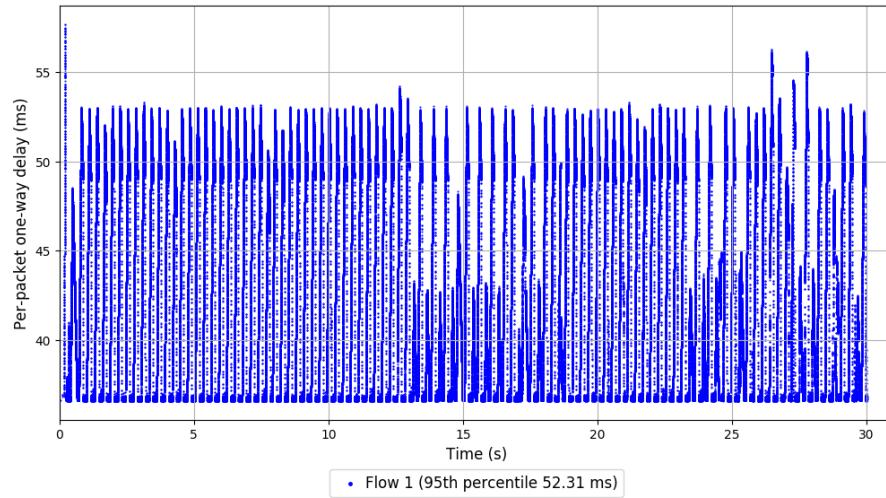
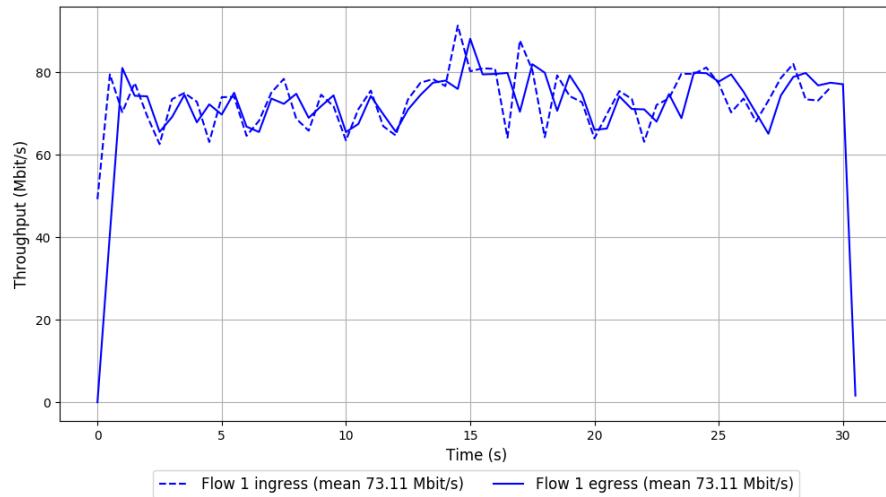


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-06-29 13:02:39
End at: 2018-06-29 13:03:09
Local clock offset: -3.601 ms
Remote clock offset: 6.615 ms

# Below is generated by plot.py at 2018-06-29 17:06:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 73.11 Mbit/s
95th percentile per-packet one-way delay: 52.311 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 73.11 Mbit/s
95th percentile per-packet one-way delay: 52.311 ms
Loss rate: 0.00%
```

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

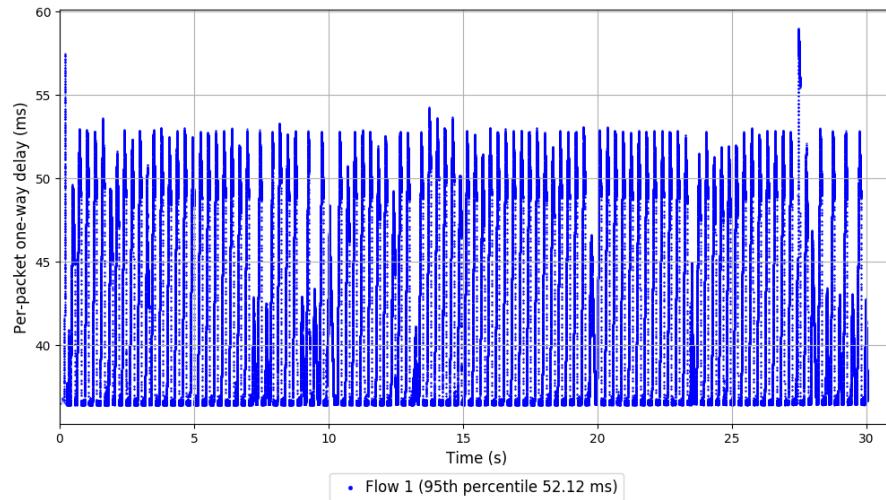
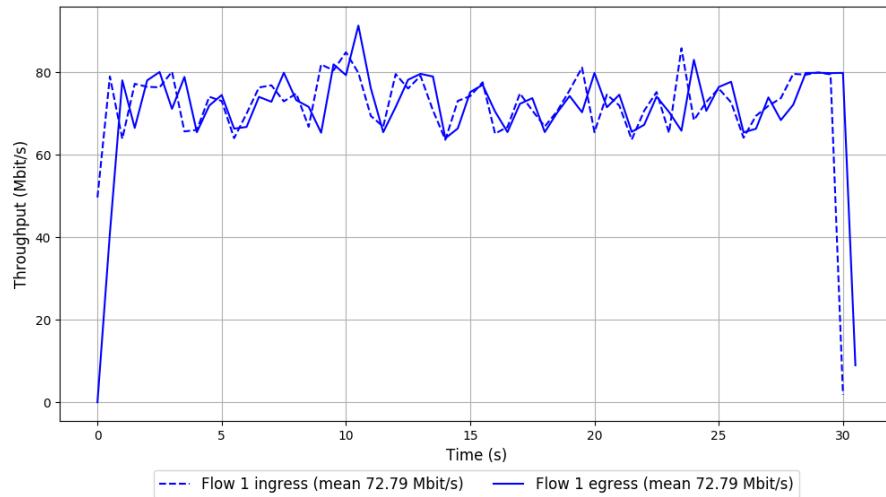


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-06-29 13:26:15
End at: 2018-06-29 13:26:45
Local clock offset: -3.702 ms
Remote clock offset: 3.413 ms

# Below is generated by plot.py at 2018-06-29 17:06:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.79 Mbit/s
95th percentile per-packet one-way delay: 52.120 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 72.79 Mbit/s
95th percentile per-packet one-way delay: 52.120 ms
Loss rate: 0.00%
```

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

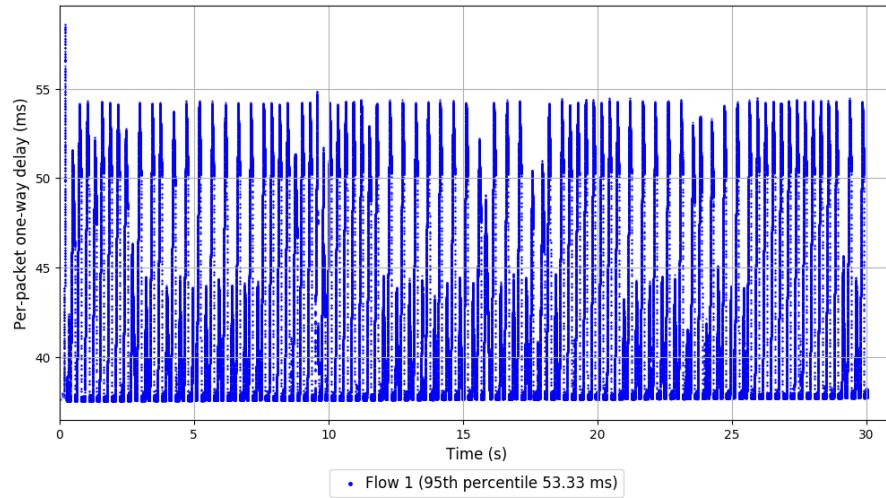
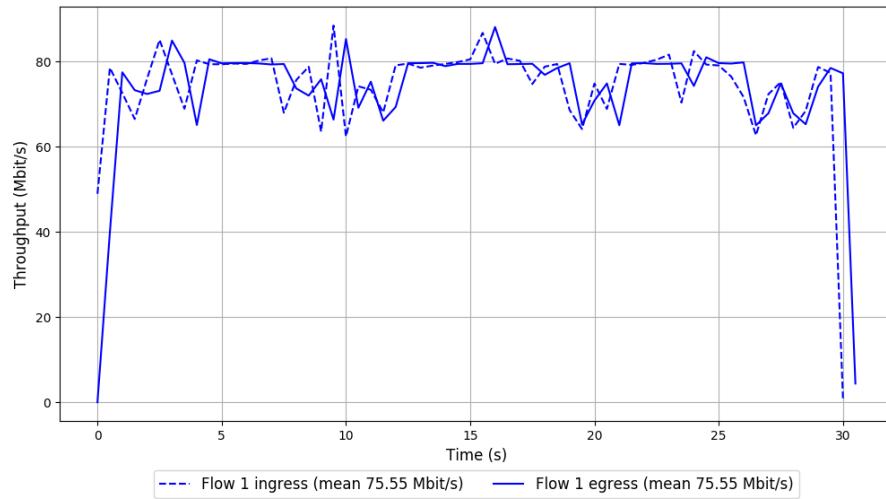


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-06-29 13:49:08
End at: 2018-06-29 13:49:38
Local clock offset: -3.702 ms
Remote clock offset: 2.753 ms

# Below is generated by plot.py at 2018-06-29 17:06:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.55 Mbit/s
95th percentile per-packet one-way delay: 53.328 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 75.55 Mbit/s
95th percentile per-packet one-way delay: 53.328 ms
Loss rate: 0.00%
```

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

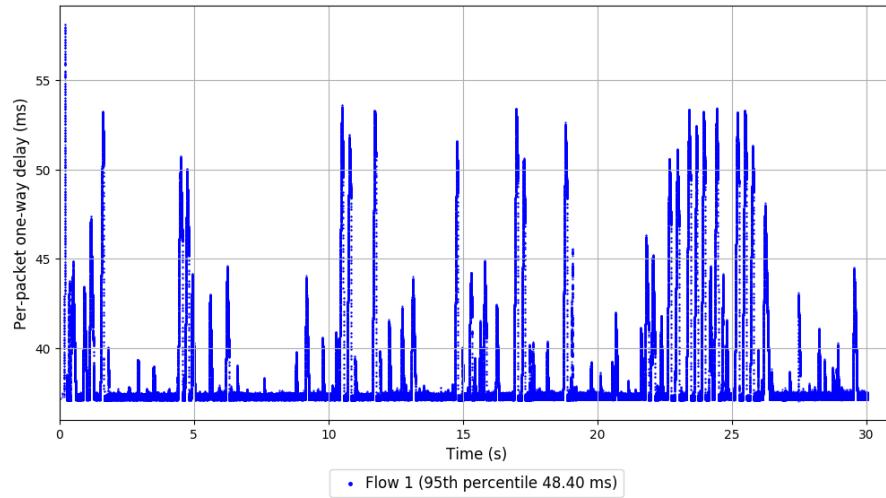
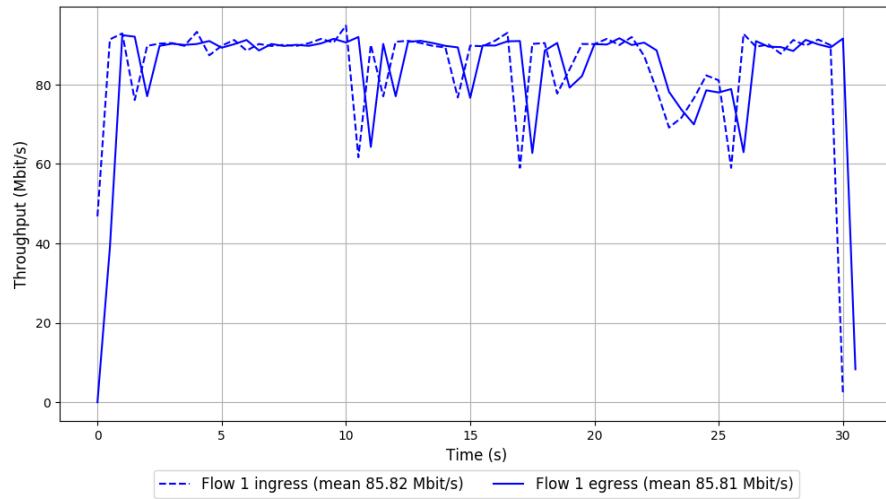


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-06-29 14:13:45
End at: 2018-06-29 14:14:15
Local clock offset: -0.124 ms
Remote clock offset: 2.587 ms

# Below is generated by plot.py at 2018-06-29 17:06:40
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.81 Mbit/s
95th percentile per-packet one-way delay: 48.396 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 85.81 Mbit/s
95th percentile per-packet one-way delay: 48.396 ms
Loss rate: 0.01%
```

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

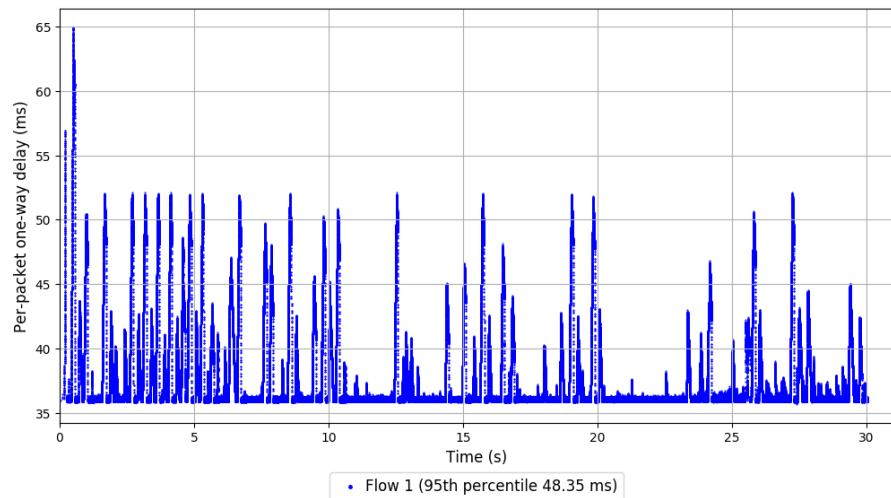
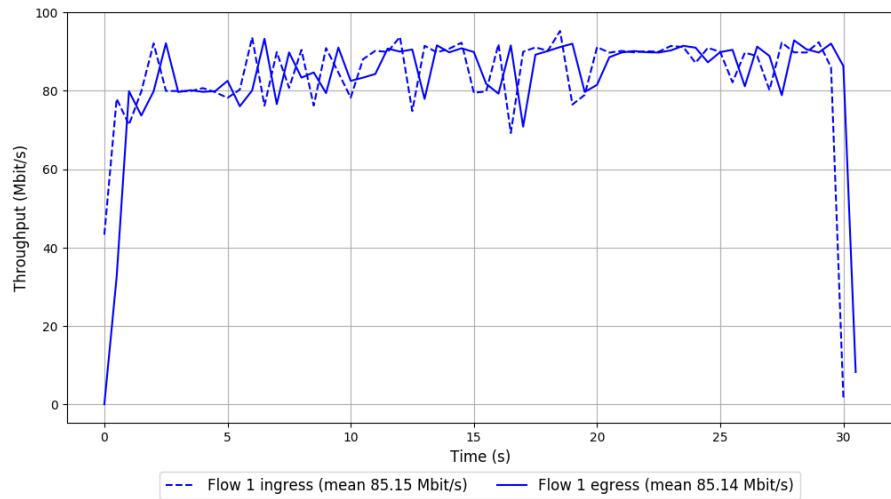


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-06-29 14:38:03
End at: 2018-06-29 14:38:33
Local clock offset: -2.966 ms
Remote clock offset: 0.054 ms

# Below is generated by plot.py at 2018-06-29 17:06:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 85.14 Mbit/s
95th percentile per-packet one-way delay: 48.348 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 85.14 Mbit/s
95th percentile per-packet one-way delay: 48.348 ms
Loss rate: 0.01%
```

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

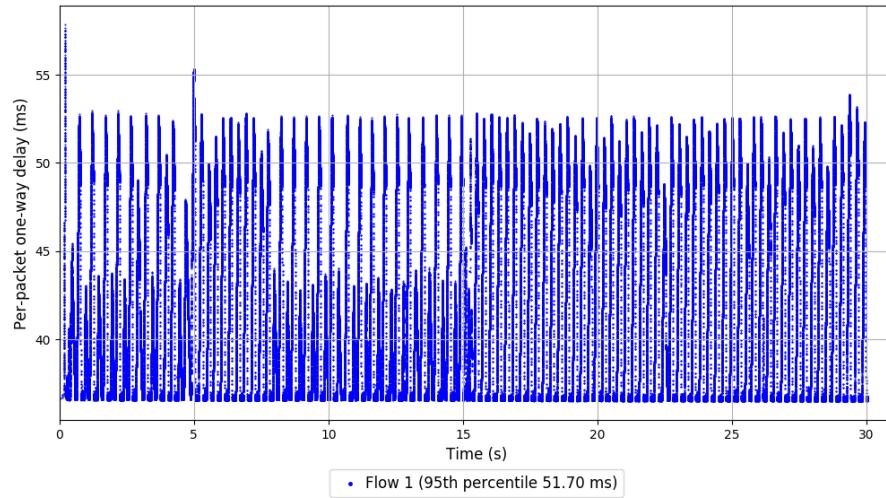
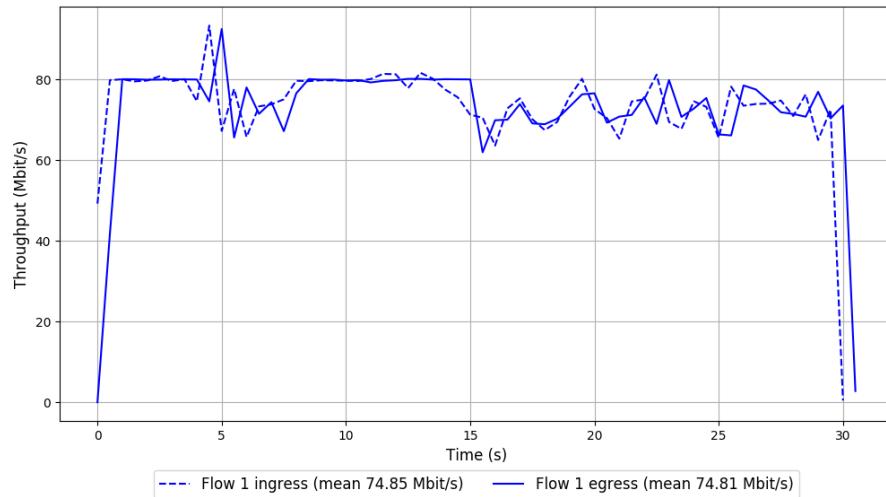


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-06-29 15:02:29
End at: 2018-06-29 15:02:59
Local clock offset: -2.398 ms
Remote clock offset: 2.838 ms

# Below is generated by plot.py at 2018-06-29 17:06:41
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.81 Mbit/s
95th percentile per-packet one-way delay: 51.700 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 74.81 Mbit/s
95th percentile per-packet one-way delay: 51.700 ms
Loss rate: 0.06%
```

Run 6: Report of TaoVA-100x — Data Link

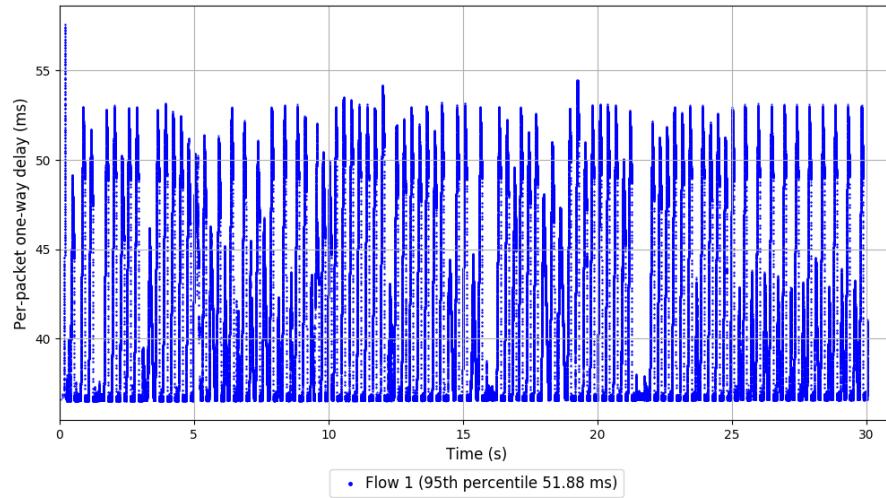
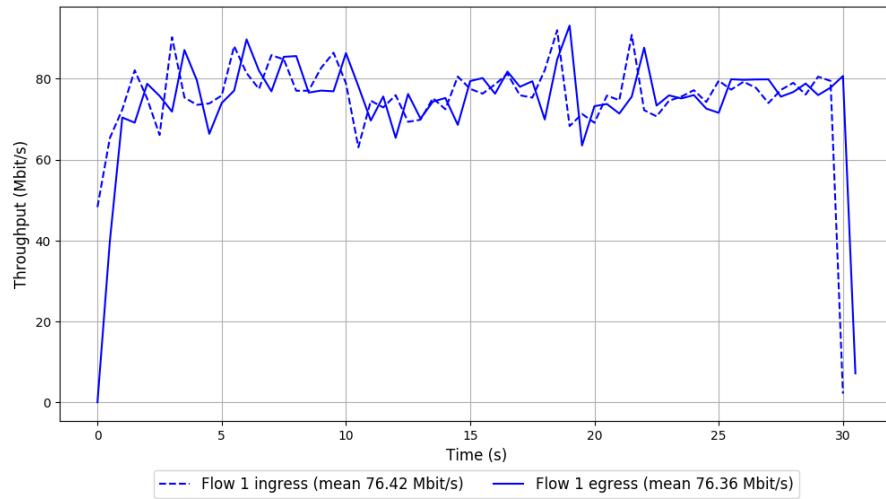


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-06-29 15:26:21
End at: 2018-06-29 15:26:51
Local clock offset: 0.697 ms
Remote clock offset: 4.027 ms

# Below is generated by plot.py at 2018-06-29 17:06:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.36 Mbit/s
95th percentile per-packet one-way delay: 51.878 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 76.36 Mbit/s
95th percentile per-packet one-way delay: 51.878 ms
Loss rate: 0.07%
```

Run 7: Report of TaoVA-100x — Data Link

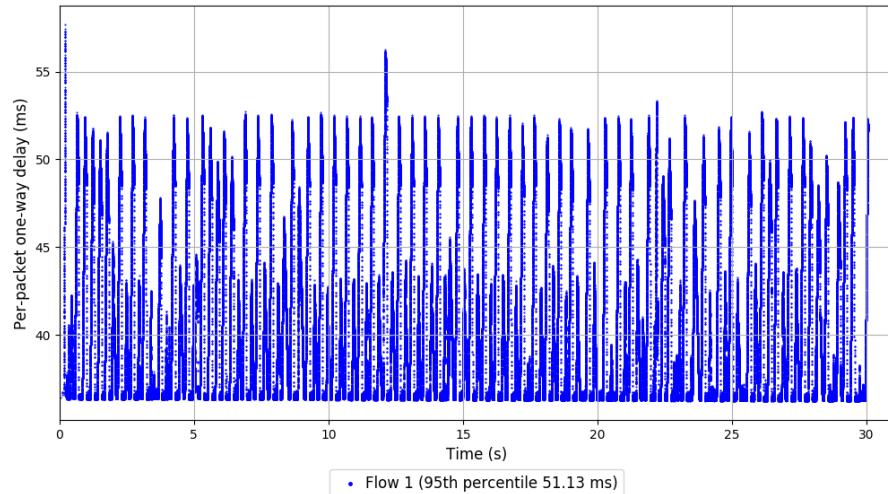
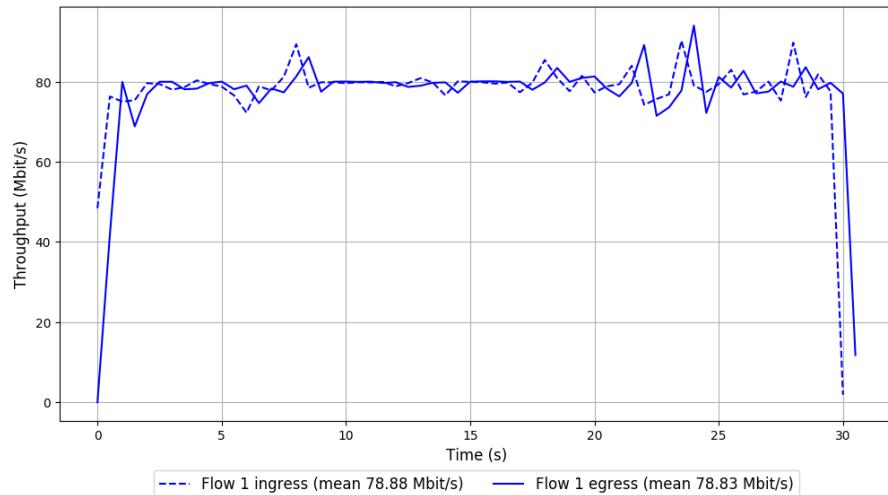


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-06-29 15:51:33
End at: 2018-06-29 15:52:03
Local clock offset: 0.418 ms
Remote clock offset: 4.313 ms

# Below is generated by plot.py at 2018-06-29 17:06:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 78.83 Mbit/s
95th percentile per-packet one-way delay: 51.133 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 78.83 Mbit/s
95th percentile per-packet one-way delay: 51.133 ms
Loss rate: 0.01%
```

Run 8: Report of TaoVA-100x — Data Link

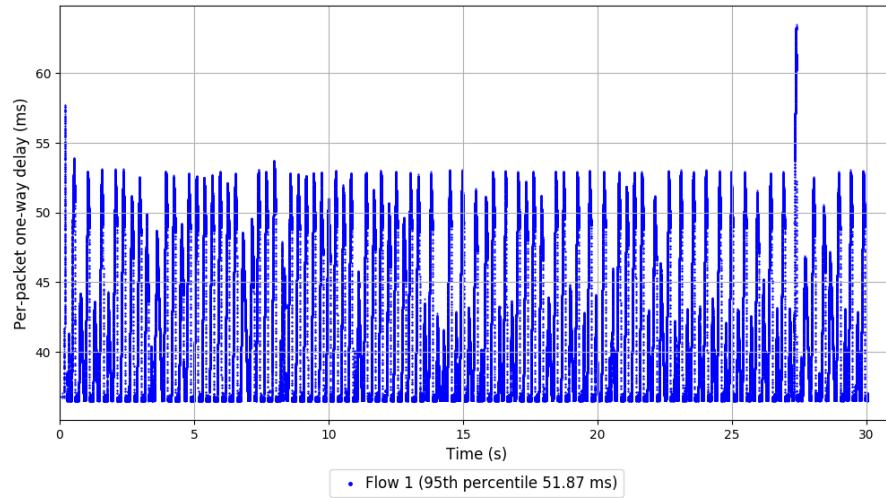
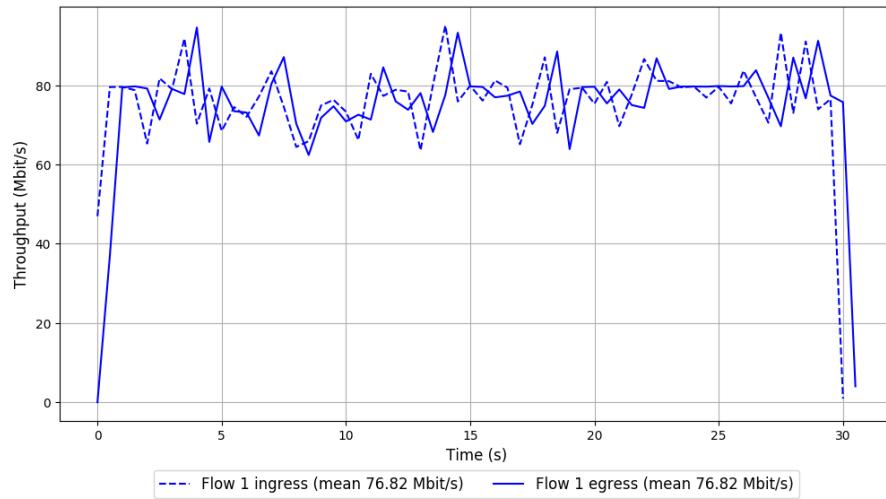


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-06-29 16:15:23
End at: 2018-06-29 16:15:53
Local clock offset: -2.074 ms
Remote clock offset: 4.316 ms

# Below is generated by plot.py at 2018-06-29 17:08:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.82 Mbit/s
95th percentile per-packet one-way delay: 51.872 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 76.82 Mbit/s
95th percentile per-packet one-way delay: 51.872 ms
Loss rate: 0.00%
```

Run 9: Report of TaoVA-100x — Data Link

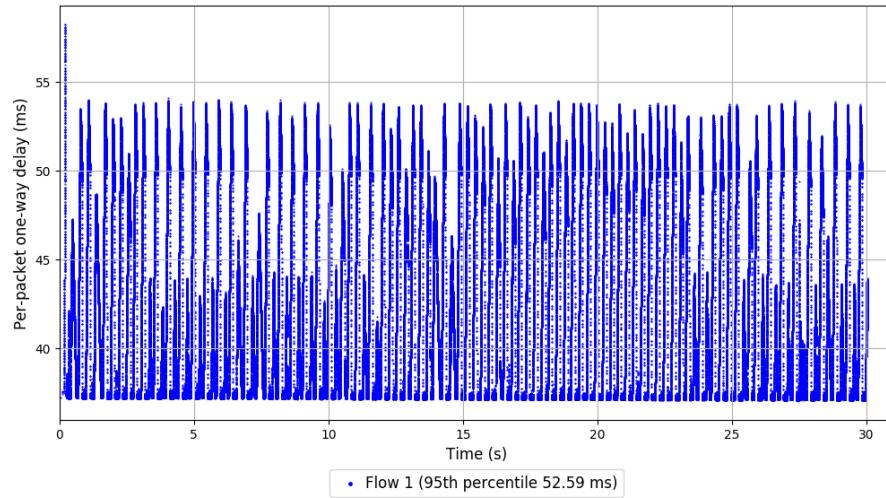
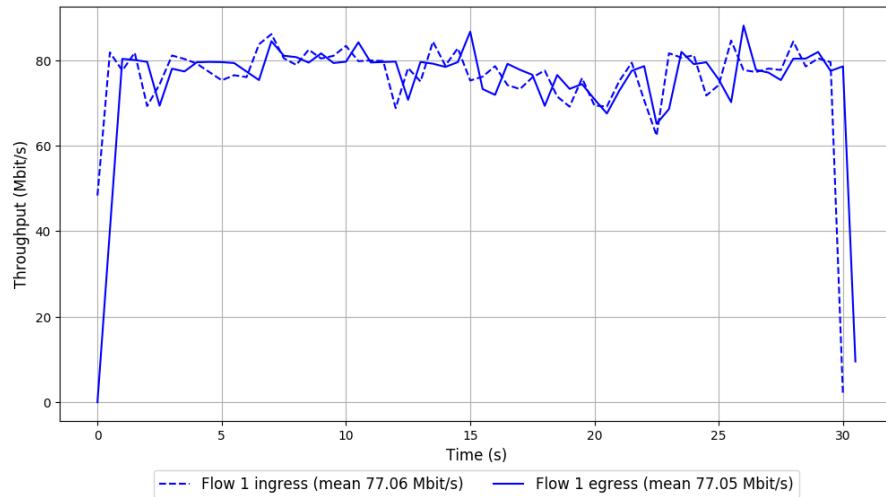


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-06-29 16:38:49
End at: 2018-06-29 16:39:19
Local clock offset: -1.764 ms
Remote clock offset: 5.68 ms

# Below is generated by plot.py at 2018-06-29 17:08:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 77.05 Mbit/s
95th percentile per-packet one-way delay: 52.589 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 77.05 Mbit/s
95th percentile per-packet one-way delay: 52.589 ms
Loss rate: 0.00%
```

Run 10: Report of TaoVA-100x — Data Link

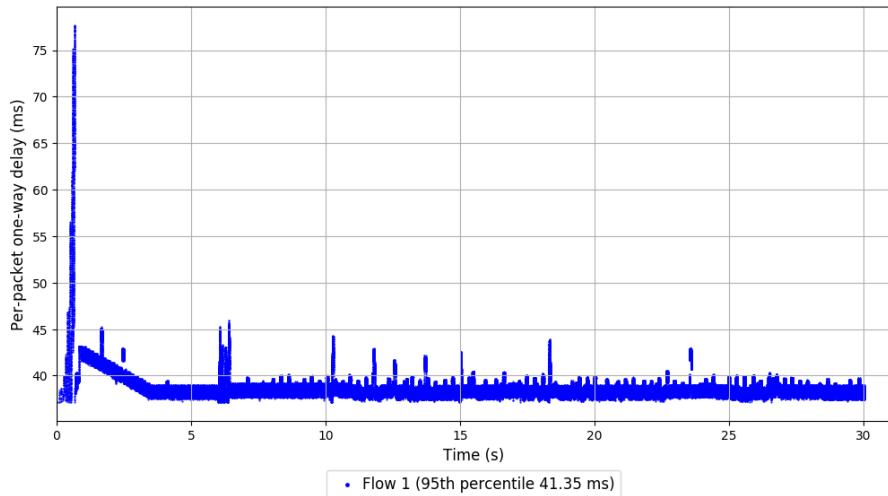
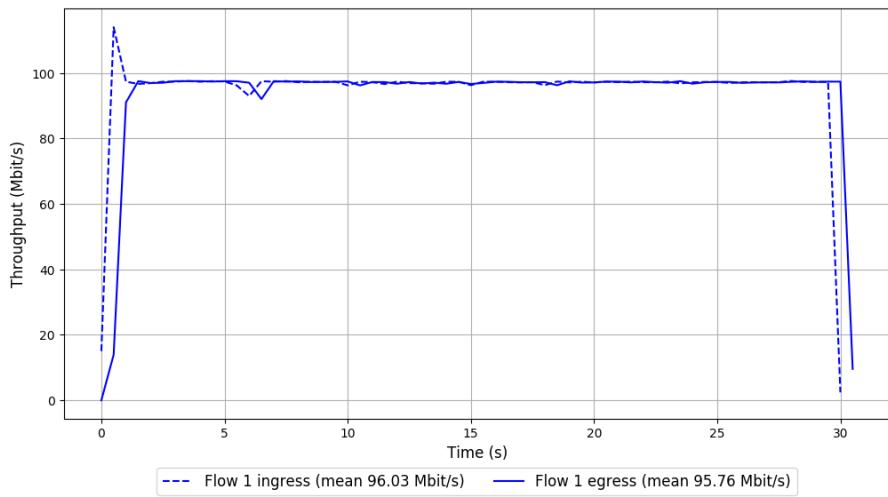


Run 1: Statistics of TCP Vegas

```
Start at: 2018-06-29 13:01:13
End at: 2018-06-29 13:01:43
Local clock offset: -3.681 ms
Remote clock offset: 6.447 ms

# Below is generated by plot.py at 2018-06-29 17:08:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.76 Mbit/s
95th percentile per-packet one-way delay: 41.355 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 95.76 Mbit/s
95th percentile per-packet one-way delay: 41.355 ms
Loss rate: 0.27%
```

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

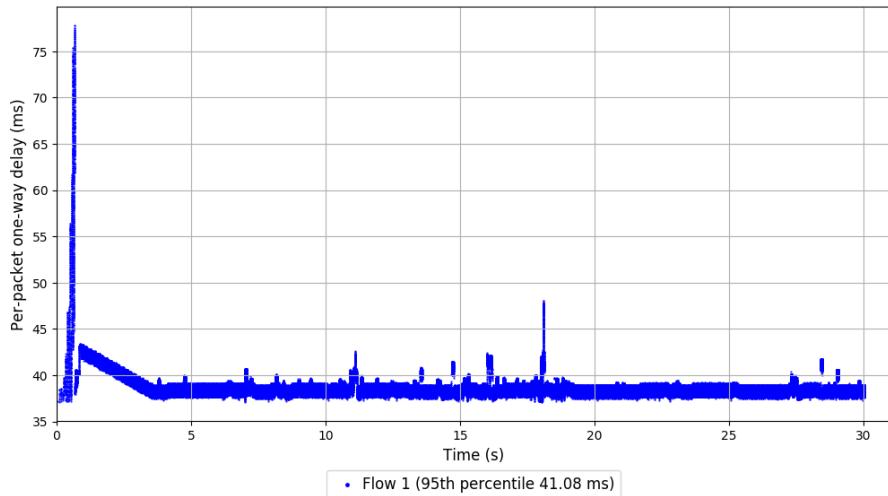
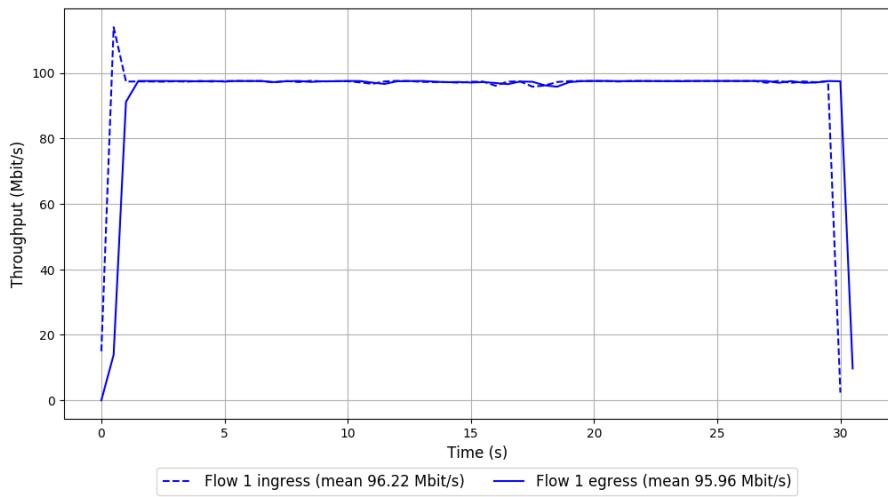


Run 2: Statistics of TCP Vegas

```
Start at: 2018-06-29 13:24:49
End at: 2018-06-29 13:25:19
Local clock offset: -3.633 ms
Remote clock offset: 3.596 ms

# Below is generated by plot.py at 2018-06-29 17:08:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 41.080 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 95.96 Mbit/s
95th percentile per-packet one-way delay: 41.080 ms
Loss rate: 0.27%
```

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

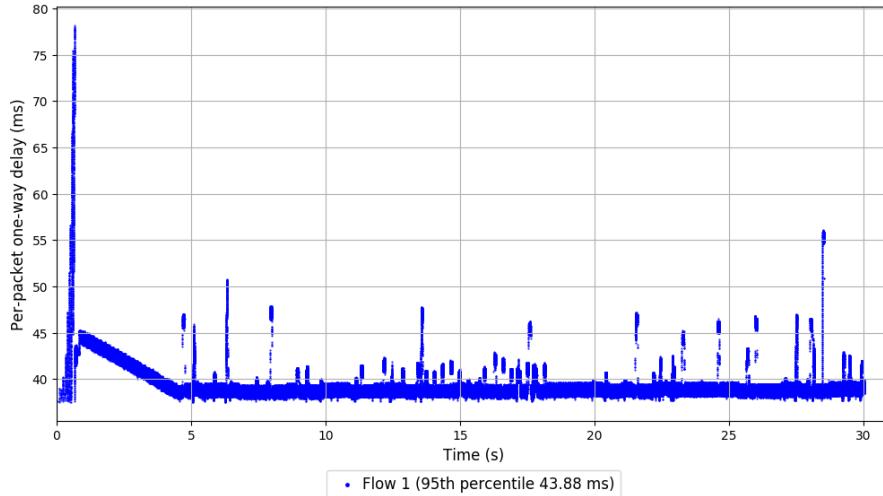
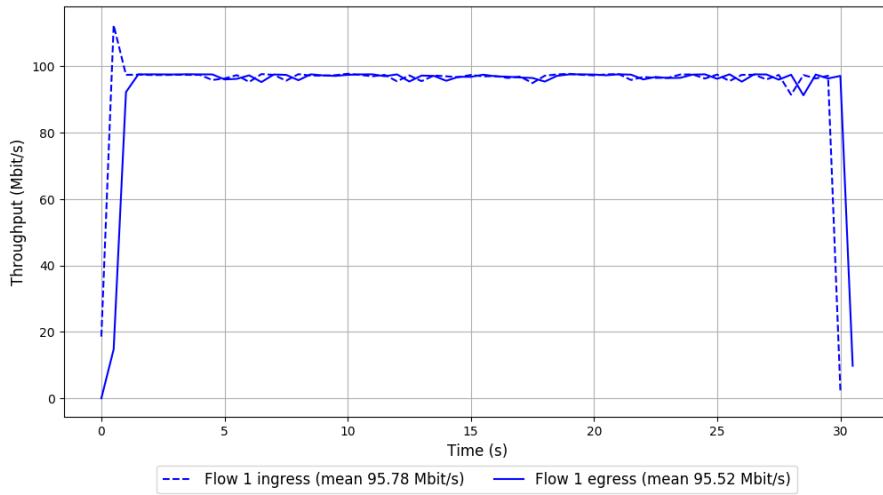


Run 3: Statistics of TCP Vegas

```
Start at: 2018-06-29 13:47:44
End at: 2018-06-29 13:48:14
Local clock offset: -4.368 ms
Remote clock offset: 2.591 ms

# Below is generated by plot.py at 2018-06-29 17:08:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 43.883 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 95.52 Mbit/s
95th percentile per-packet one-way delay: 43.883 ms
Loss rate: 0.27%
```

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

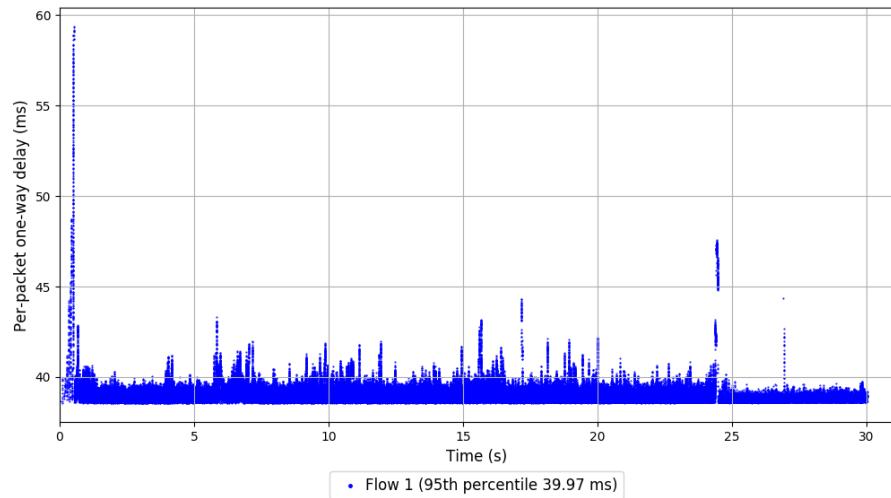
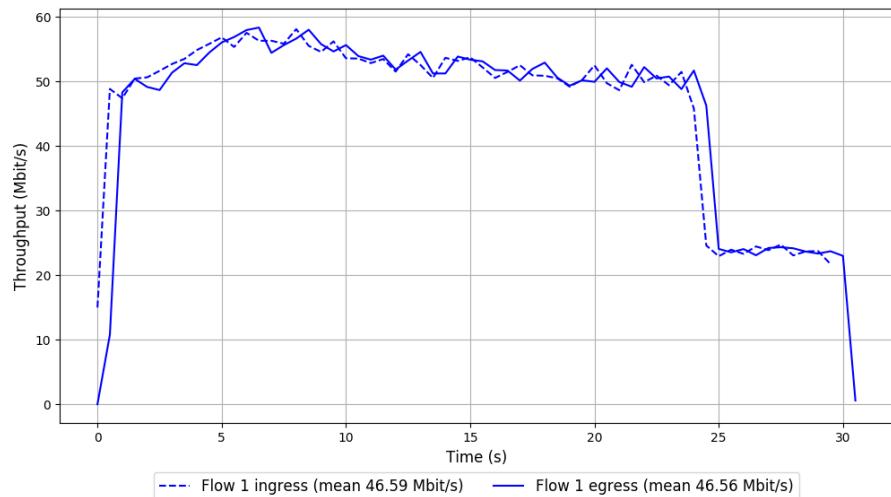


Run 4: Statistics of TCP Vegas

```
Start at: 2018-06-29 14:12:19
End at: 2018-06-29 14:12:49
Local clock offset: -0.228 ms
Remote clock offset: 3.997 ms

# Below is generated by plot.py at 2018-06-29 17:08:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.56 Mbit/s
95th percentile per-packet one-way delay: 39.965 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 46.56 Mbit/s
95th percentile per-packet one-way delay: 39.965 ms
Loss rate: 0.07%
```

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

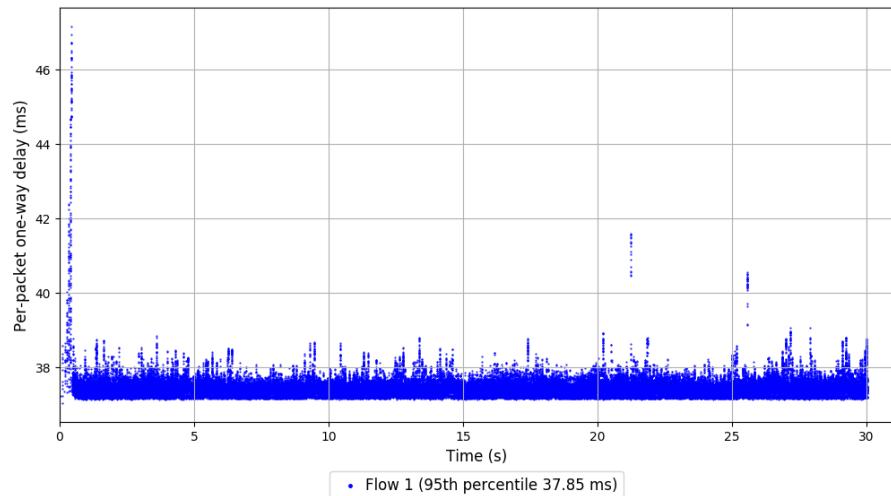
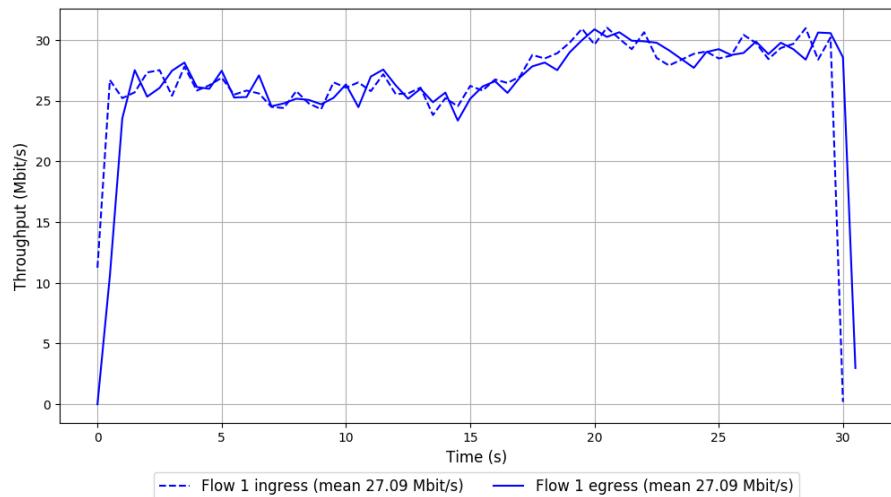


Run 5: Statistics of TCP Vegas

```
Start at: 2018-06-29 14:36:40
End at: 2018-06-29 14:37:10
Local clock offset: -2.862 ms
Remote clock offset: 0.789 ms

# Below is generated by plot.py at 2018-06-29 17:08:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 27.09 Mbit/s
95th percentile per-packet one-way delay: 37.852 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 27.09 Mbit/s
95th percentile per-packet one-way delay: 37.852 ms
Loss rate: 0.00%
```

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

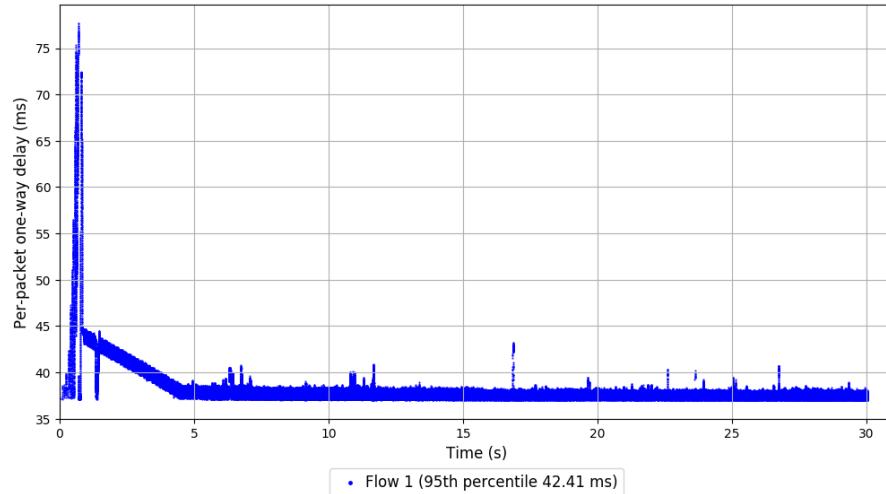
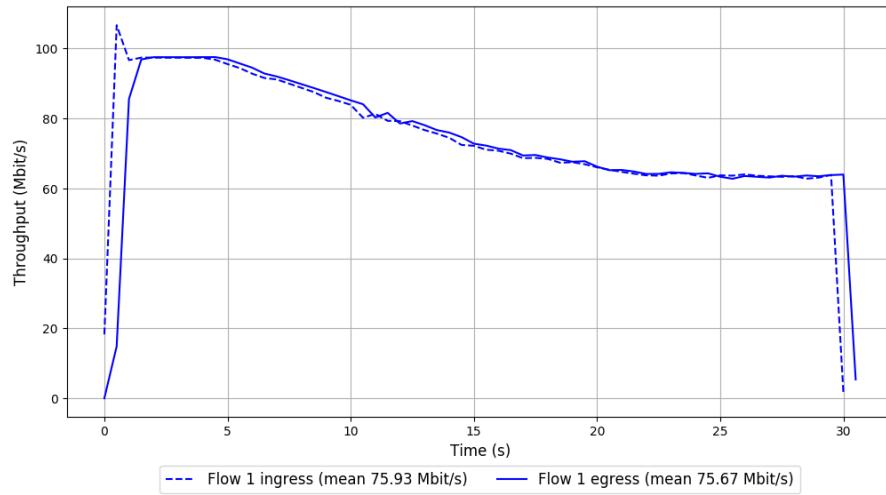


Run 6: Statistics of TCP Vegas

```
Start at: 2018-06-29 15:01:02
End at: 2018-06-29 15:01:32
Local clock offset: -2.312 ms
Remote clock offset: 2.526 ms

# Below is generated by plot.py at 2018-06-29 17:08:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.67 Mbit/s
95th percentile per-packet one-way delay: 42.415 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 75.67 Mbit/s
95th percentile per-packet one-way delay: 42.415 ms
Loss rate: 0.35%
```

Run 6: Report of TCP Vegas — Data Link

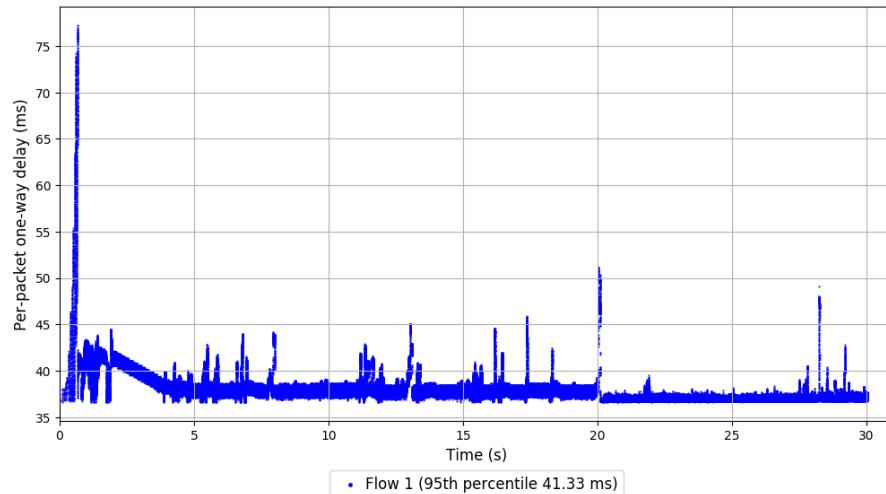
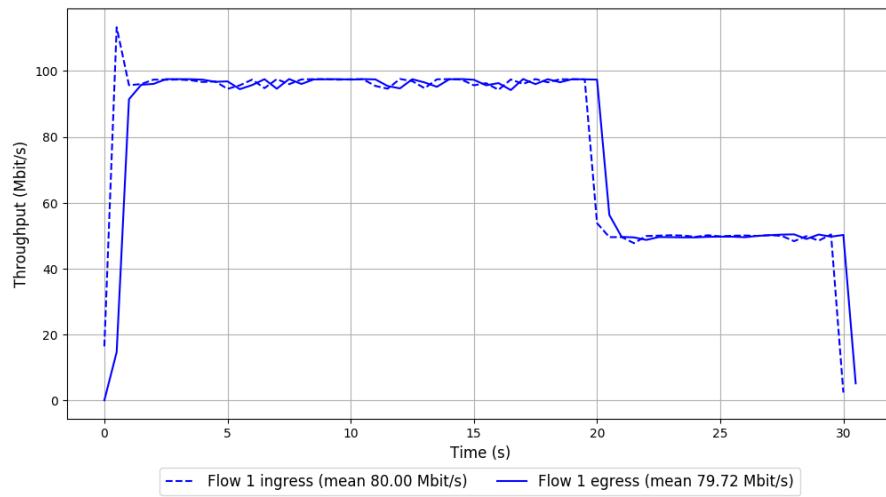


Run 7: Statistics of TCP Vegas

```
Start at: 2018-06-29 15:24:52
End at: 2018-06-29 15:25:22
Local clock offset: 0.296 ms
Remote clock offset: 3.949 ms

# Below is generated by plot.py at 2018-06-29 17:08:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 79.72 Mbit/s
95th percentile per-packet one-way delay: 41.333 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 79.72 Mbit/s
95th percentile per-packet one-way delay: 41.333 ms
Loss rate: 0.35%
```

Run 7: Report of TCP Vegas — Data Link

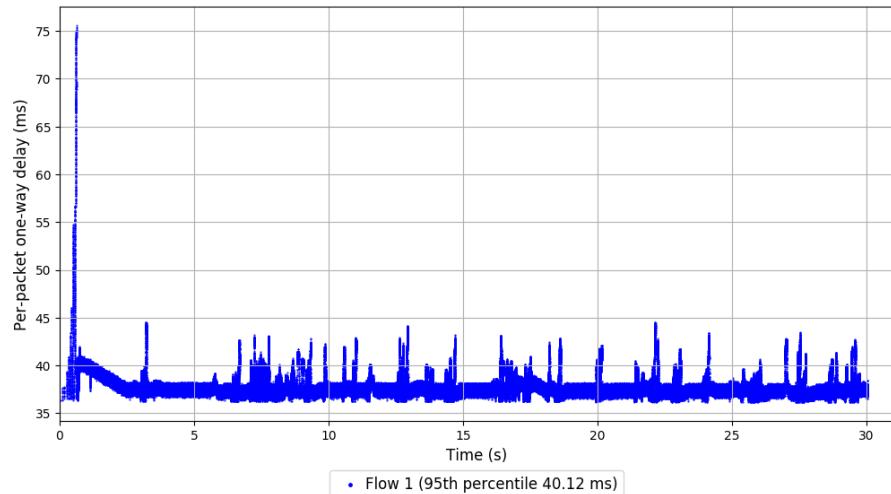
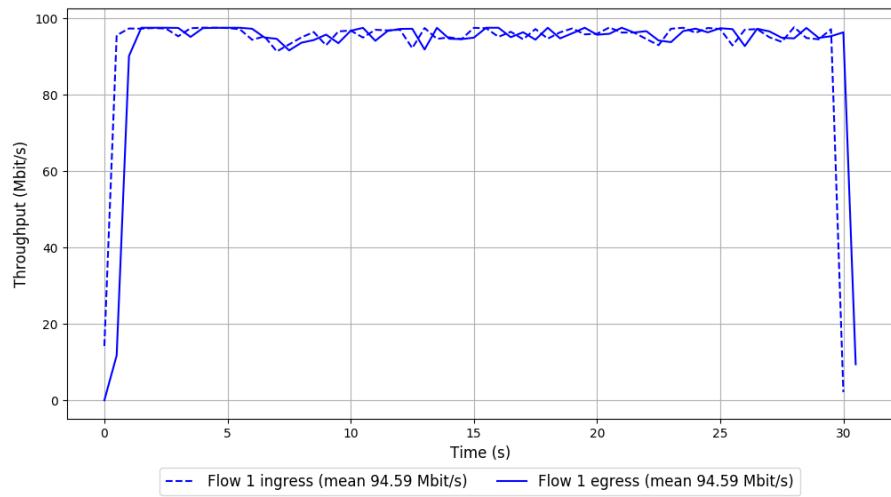


Run 8: Statistics of TCP Vegas

```
Start at: 2018-06-29 15:49:59
End at: 2018-06-29 15:50:29
Local clock offset: 0.793 ms
Remote clock offset: 4.232 ms

# Below is generated by plot.py at 2018-06-29 17:08:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 40.117 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 94.59 Mbit/s
95th percentile per-packet one-way delay: 40.117 ms
Loss rate: 0.00%
```

### Run 8: Report of TCP Vegas — Data Link

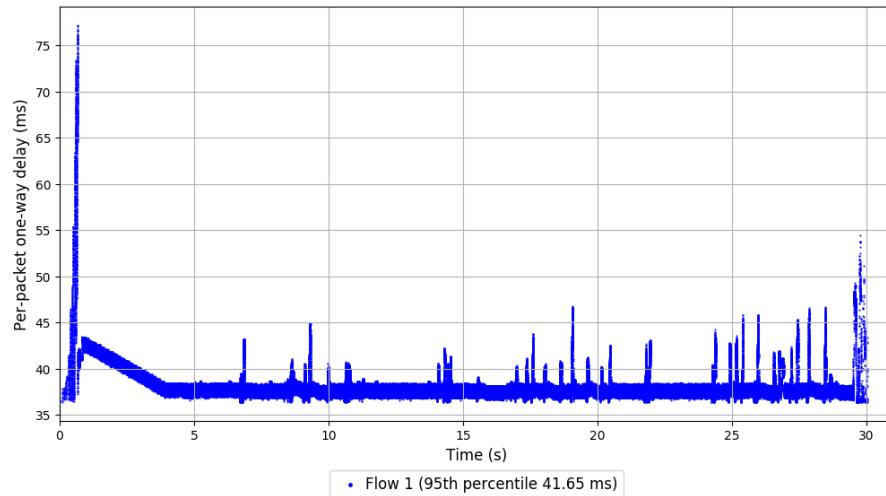
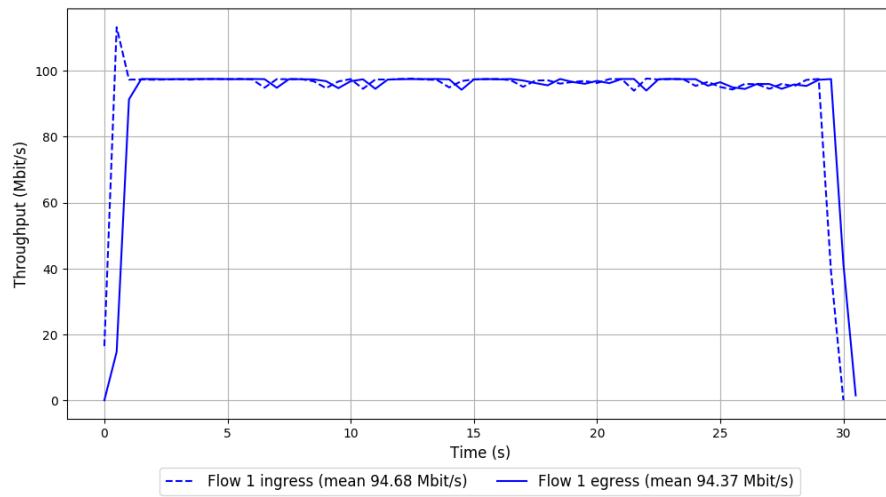


Run 9: Statistics of TCP Vegas

```
Start at: 2018-06-29 16:13:52
End at: 2018-06-29 16:14:22
Local clock offset: -1.944 ms
Remote clock offset: 4.291 ms

# Below is generated by plot.py at 2018-06-29 17:08:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 41.650 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 94.37 Mbit/s
95th percentile per-packet one-way delay: 41.650 ms
Loss rate: 0.33%
```

Run 9: Report of TCP Vegas — Data Link

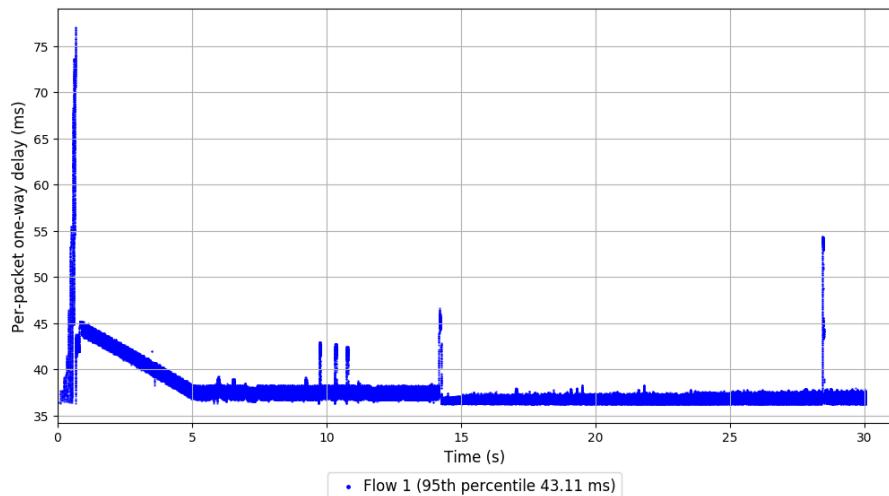
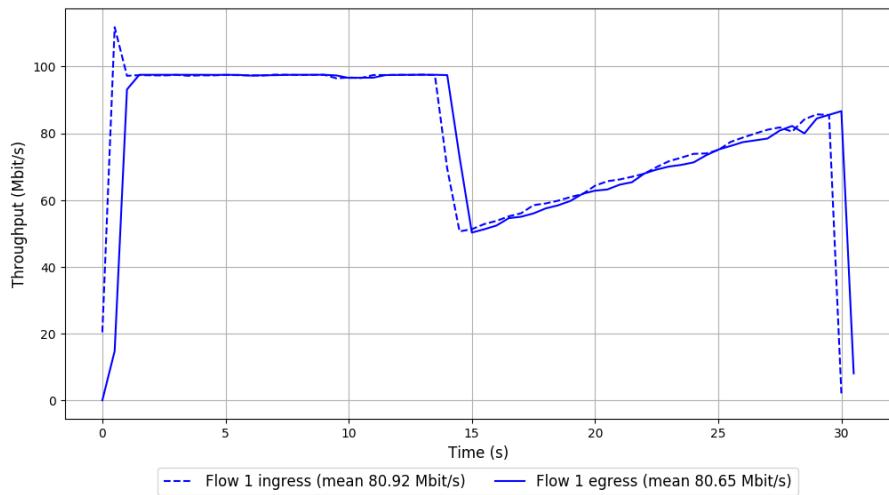


Run 10: Statistics of TCP Vegas

```
Start at: 2018-06-29 16:37:28
End at: 2018-06-29 16:37:58
Local clock offset: -1.741 ms
Remote clock offset: 5.254 ms

# Below is generated by plot.py at 2018-06-29 17:08:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.65 Mbit/s
95th percentile per-packet one-way delay: 43.111 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 80.65 Mbit/s
95th percentile per-packet one-way delay: 43.111 ms
Loss rate: 0.33%
```

Run 10: Report of TCP Vegas — Data Link

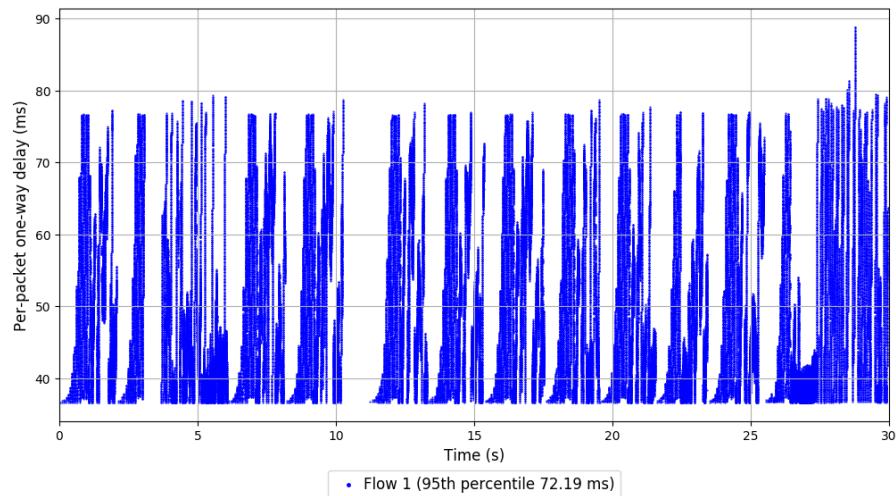
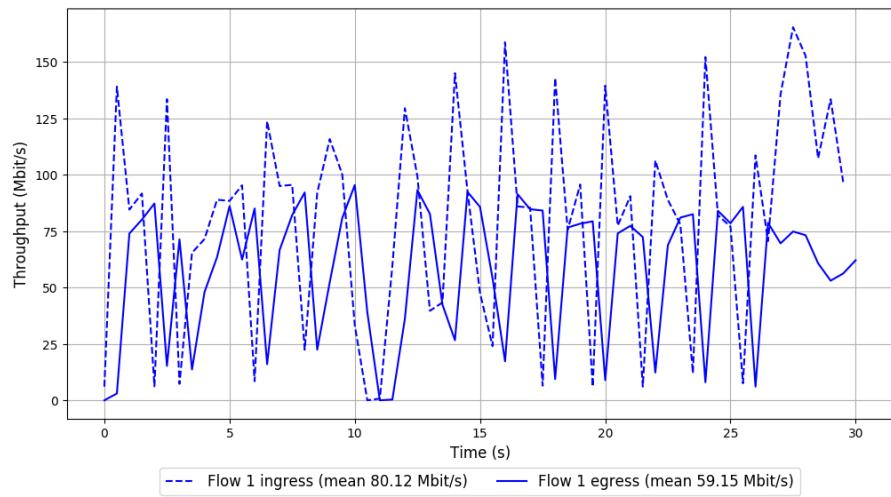


Run 1: Statistics of Verus

```
Start at: 2018-06-29 12:58:33
End at: 2018-06-29 12:59:03
Local clock offset: -4.265 ms
Remote clock offset: 6.3 ms

# Below is generated by plot.py at 2018-06-29 17:08:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.15 Mbit/s
95th percentile per-packet one-way delay: 72.192 ms
Loss rate: 26.11%
-- Flow 1:
Average throughput: 59.15 Mbit/s
95th percentile per-packet one-way delay: 72.192 ms
Loss rate: 26.11%
```

Run 1: Report of Verus — Data Link

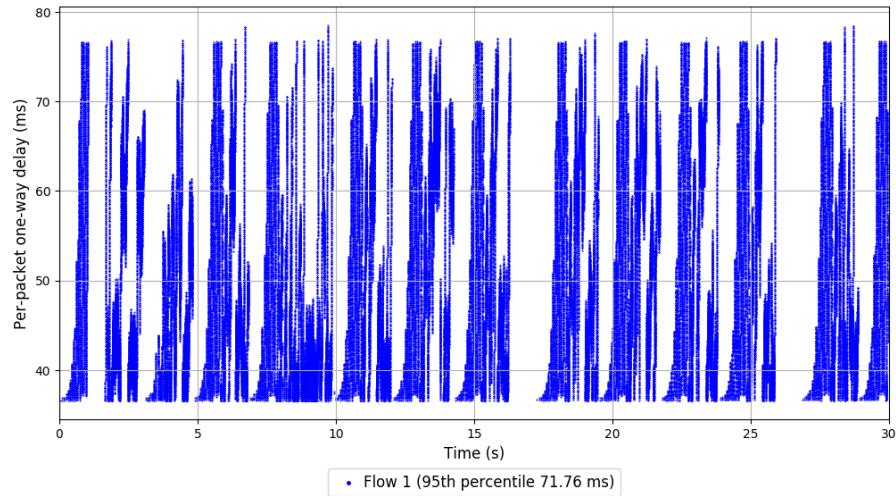
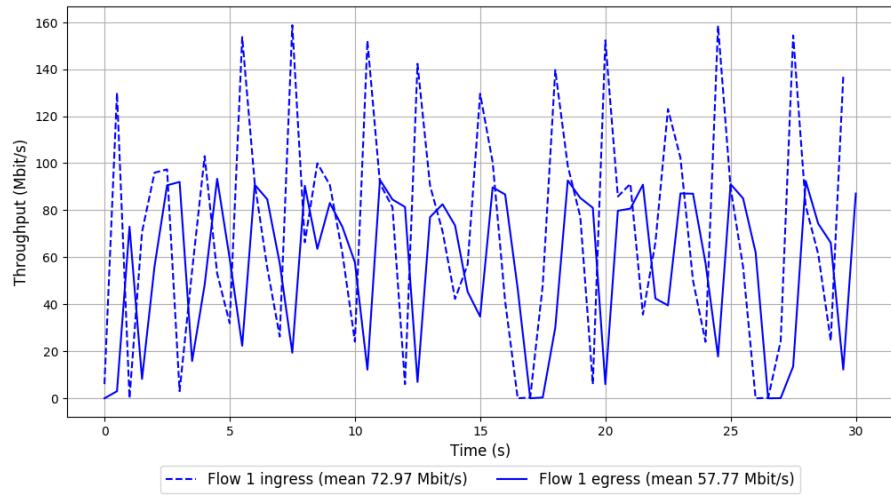


Run 2: Statistics of Verus

```
Start at: 2018-06-29 13:22:08
End at: 2018-06-29 13:22:38
Local clock offset: -3.687 ms
Remote clock offset: 3.947 ms

# Below is generated by plot.py at 2018-06-29 17:08:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.77 Mbit/s
95th percentile per-packet one-way delay: 71.760 ms
Loss rate: 20.80%
-- Flow 1:
Average throughput: 57.77 Mbit/s
95th percentile per-packet one-way delay: 71.760 ms
Loss rate: 20.80%
```

## Run 2: Report of Verus — Data Link

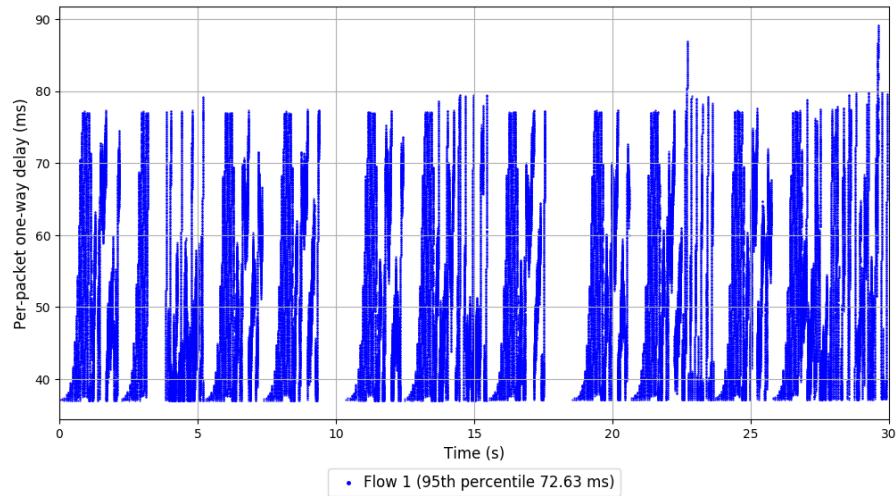
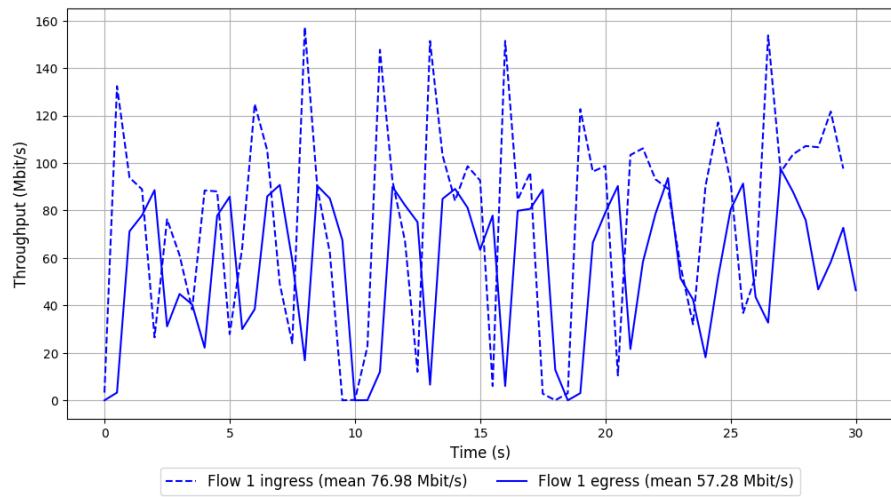


Run 3: Statistics of Verus

```
Start at: 2018-06-29 13:45:10
End at: 2018-06-29 13:45:40
Local clock offset: -5.471 ms
Remote clock offset: 2.153 ms

# Below is generated by plot.py at 2018-06-29 17:09:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.28 Mbit/s
95th percentile per-packet one-way delay: 72.629 ms
Loss rate: 25.57%
-- Flow 1:
Average throughput: 57.28 Mbit/s
95th percentile per-packet one-way delay: 72.629 ms
Loss rate: 25.57%
```

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

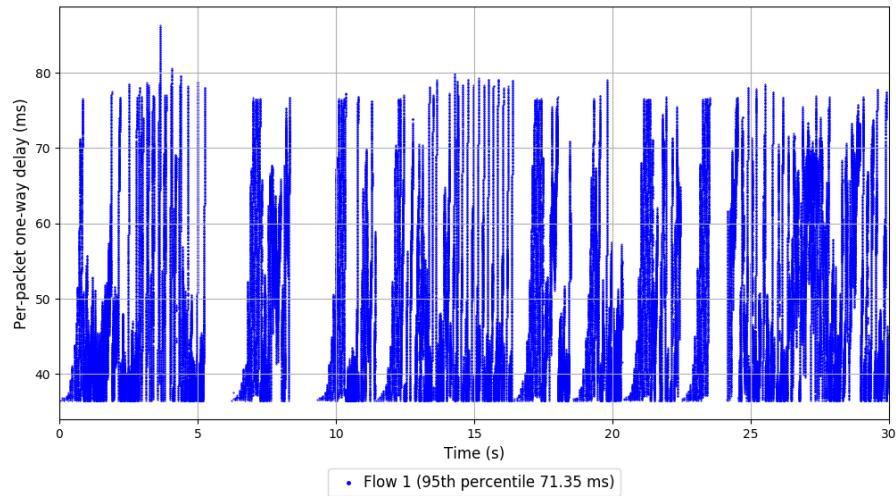
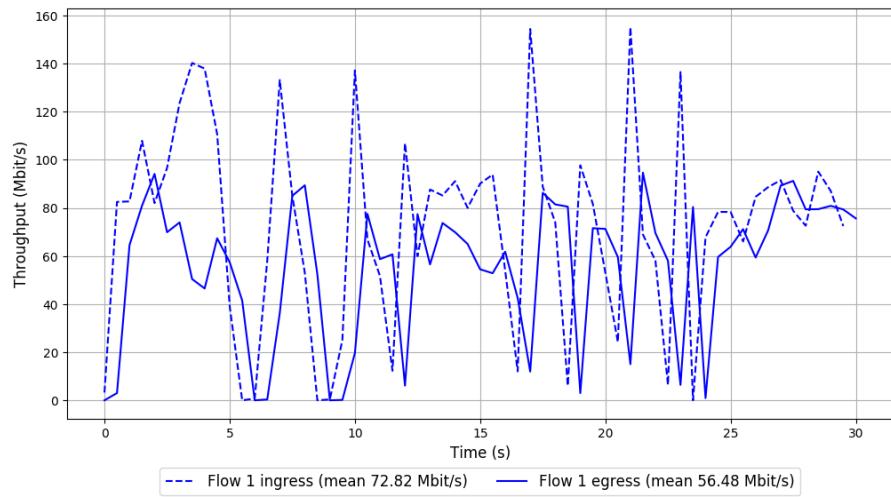


Run 4: Statistics of Verus

```
Start at: 2018-06-29 14:09:28
End at: 2018-06-29 14:09:58
Local clock offset: -0.159 ms
Remote clock offset: 2.819 ms

# Below is generated by plot.py at 2018-06-29 17:09:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 56.48 Mbit/s
95th percentile per-packet one-way delay: 71.354 ms
Loss rate: 22.41%
-- Flow 1:
Average throughput: 56.48 Mbit/s
95th percentile per-packet one-way delay: 71.354 ms
Loss rate: 22.41%
```

Run 4: Report of Verus — Data Link

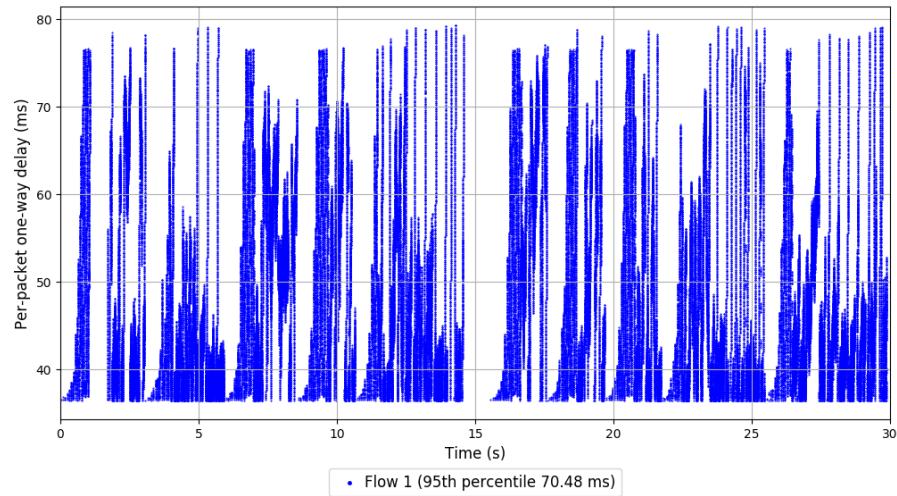
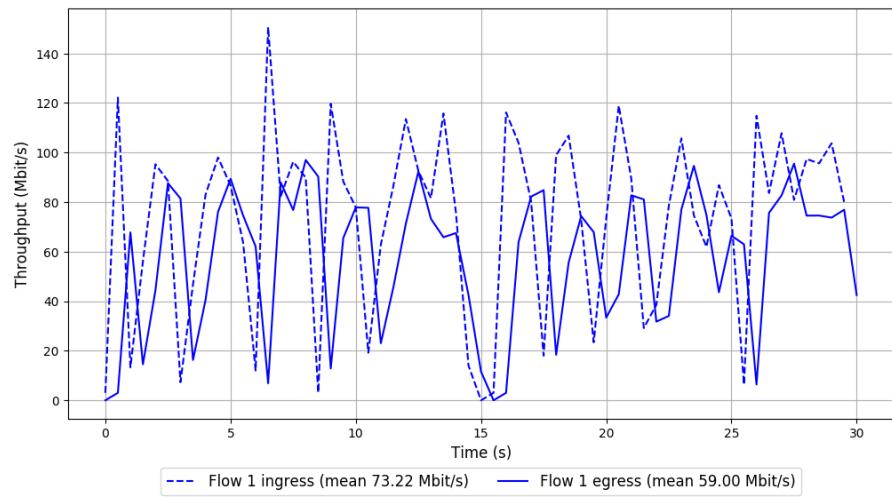


Run 5: Statistics of Verus

```
Start at: 2018-06-29 14:33:50
End at: 2018-06-29 14:34:20
Local clock offset: -2.635 ms
Remote clock offset: 1.029 ms

# Below is generated by plot.py at 2018-06-29 17:09:03
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.00 Mbit/s
95th percentile per-packet one-way delay: 70.481 ms
Loss rate: 19.42%
-- Flow 1:
Average throughput: 59.00 Mbit/s
95th percentile per-packet one-way delay: 70.481 ms
Loss rate: 19.42%
```

Run 5: Report of Verus — Data Link

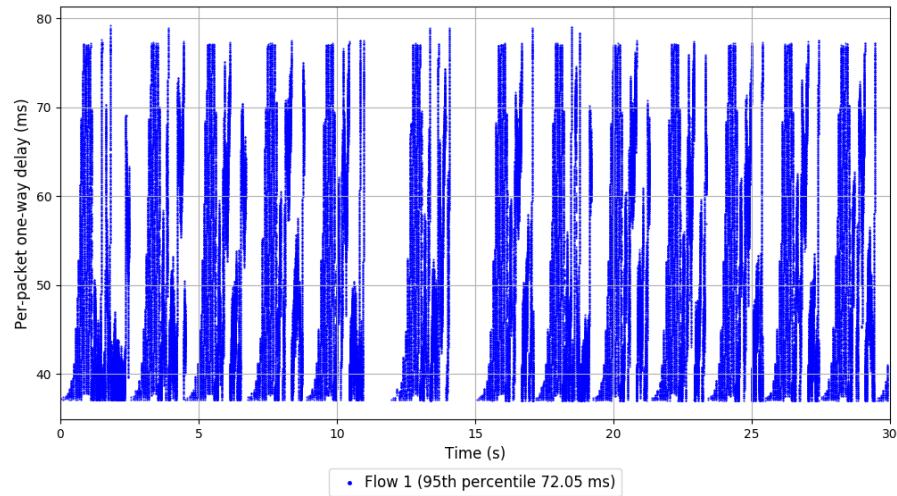
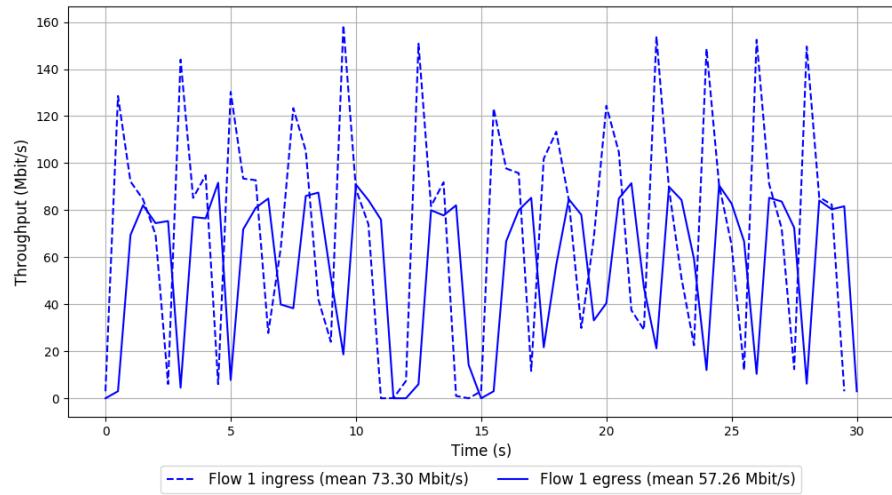


Run 6: Statistics of Verus

```
Start at: 2018-06-29 14:58:20
End at: 2018-06-29 14:58:50
Local clock offset: -2.377 ms
Remote clock offset: 1.952 ms

# Below is generated by plot.py at 2018-06-29 17:09:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.26 Mbit/s
95th percentile per-packet one-way delay: 72.054 ms
Loss rate: 21.88%
-- Flow 1:
Average throughput: 57.26 Mbit/s
95th percentile per-packet one-way delay: 72.054 ms
Loss rate: 21.88%
```

## Run 6: Report of Verus — Data Link

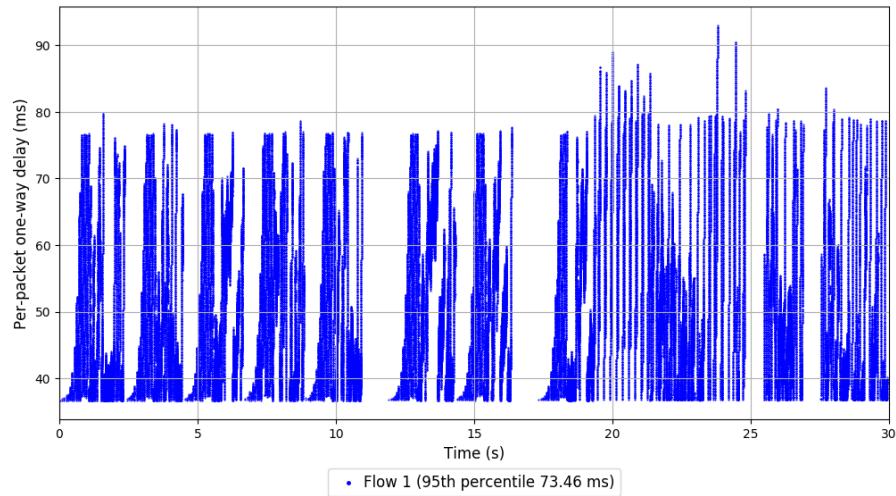
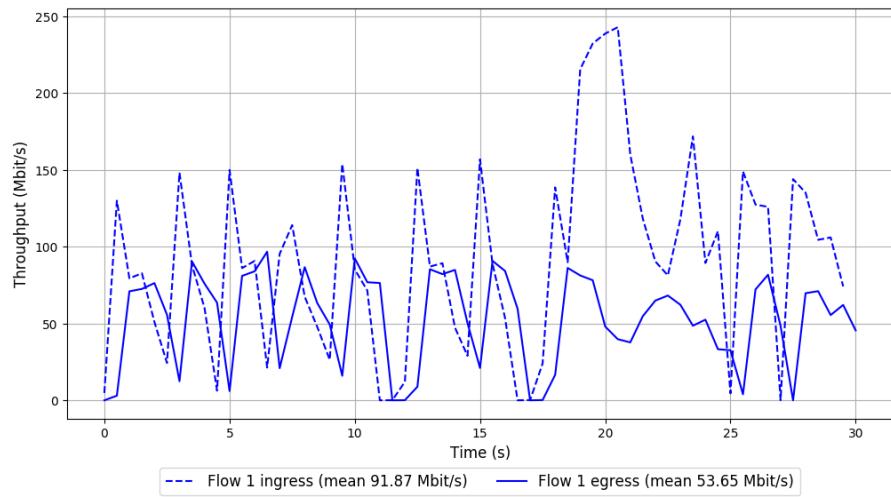


Run 7: Statistics of Verus

```
Start at: 2018-06-29 15:22:12
End at: 2018-06-29 15:22:42
Local clock offset: -0.196 ms
Remote clock offset: 3.99 ms

# Below is generated by plot.py at 2018-06-29 17:09:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.65 Mbit/s
95th percentile per-packet one-way delay: 73.462 ms
Loss rate: 41.60%
-- Flow 1:
Average throughput: 53.65 Mbit/s
95th percentile per-packet one-way delay: 73.462 ms
Loss rate: 41.60%
```

### Run 7: Report of Verus — Data Link

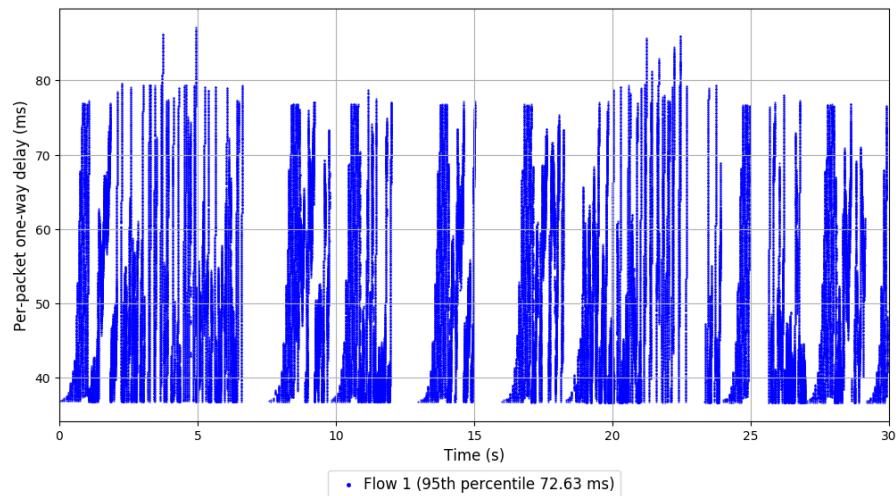
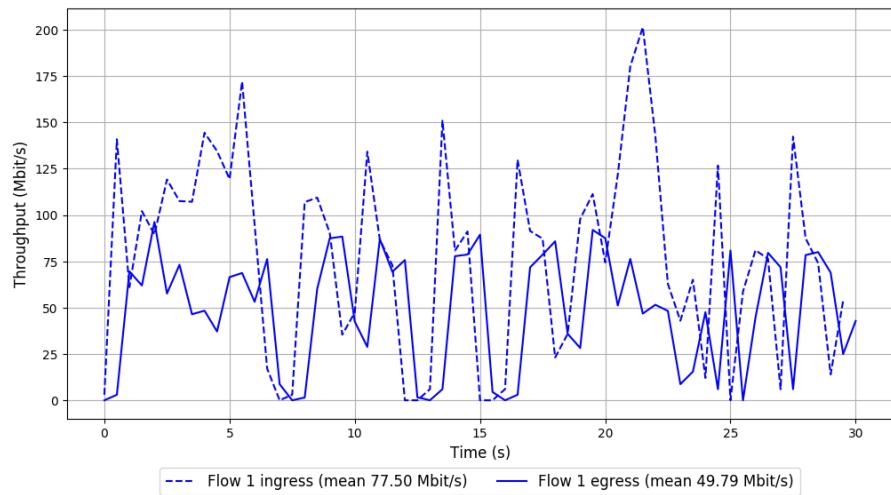


Run 8: Statistics of Verus

```
Start at: 2018-06-29 15:47:13
End at: 2018-06-29 15:47:43
Local clock offset: 1.828 ms
Remote clock offset: 4.179 ms

# Below is generated by plot.py at 2018-06-29 17:09:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: 72.632 ms
Loss rate: 35.73%
-- Flow 1:
Average throughput: 49.79 Mbit/s
95th percentile per-packet one-way delay: 72.632 ms
Loss rate: 35.73%
```

Run 8: Report of Verus — Data Link

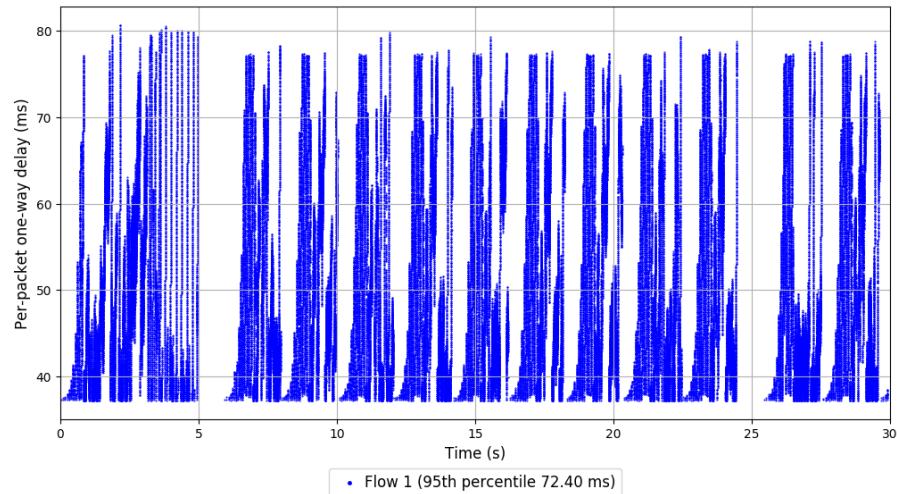
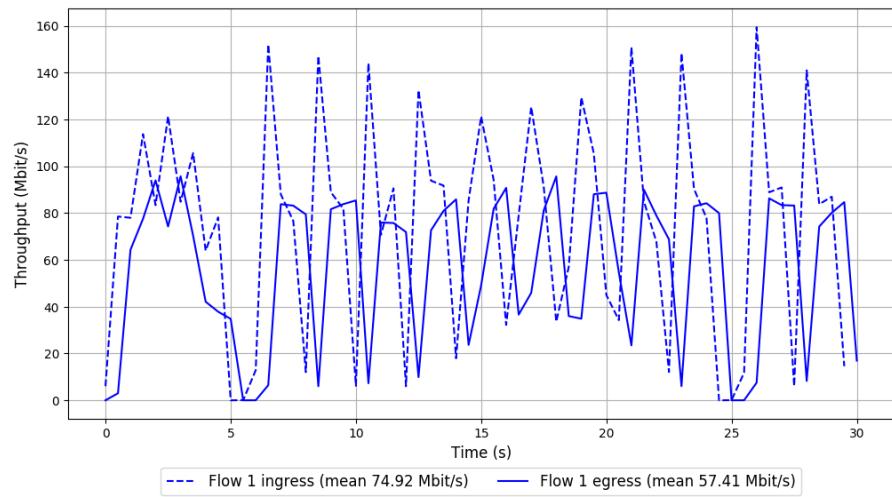


Run 9: Statistics of Verus

```
Start at: 2018-06-29 16:11:13
End at: 2018-06-29 16:11:43
Local clock offset: -1.908 ms
Remote clock offset: 4.328 ms

# Below is generated by plot.py at 2018-06-29 17:09:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.41 Mbit/s
95th percentile per-packet one-way delay: 72.397 ms
Loss rate: 23.37%
-- Flow 1:
Average throughput: 57.41 Mbit/s
95th percentile per-packet one-way delay: 72.397 ms
Loss rate: 23.37%
```

Run 9: Report of Verus — Data Link

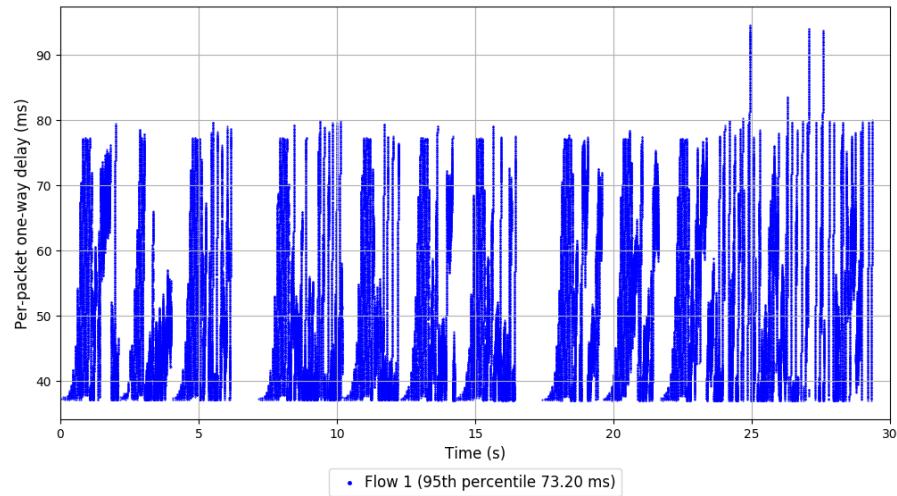
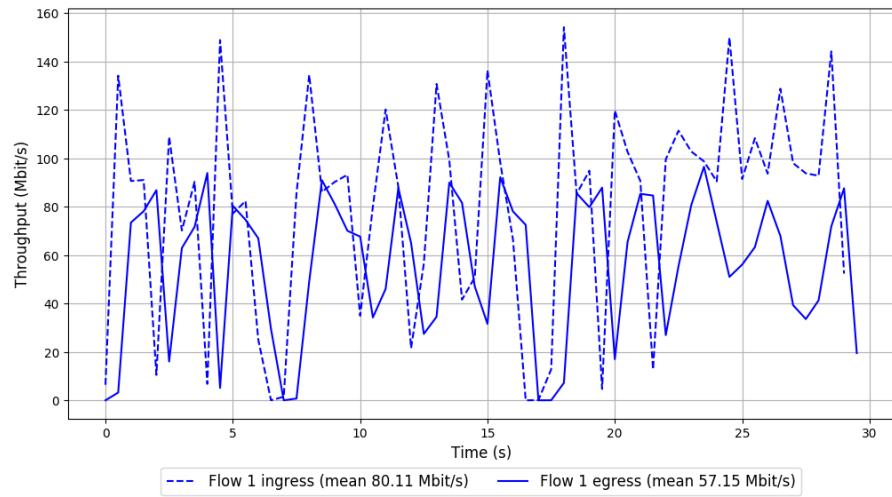


Run 10: Statistics of Verus

```
Start at: 2018-06-29 16:34:52
End at: 2018-06-29 16:35:22
Local clock offset: -1.707 ms
Remote clock offset: 4.612 ms

# Below is generated by plot.py at 2018-06-29 17:09:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 57.15 Mbit/s
95th percentile per-packet one-way delay: 73.199 ms
Loss rate: 28.60%
-- Flow 1:
Average throughput: 57.15 Mbit/s
95th percentile per-packet one-way delay: 73.199 ms
Loss rate: 28.60%
```

## Run 10: Report of Verus — Data Link

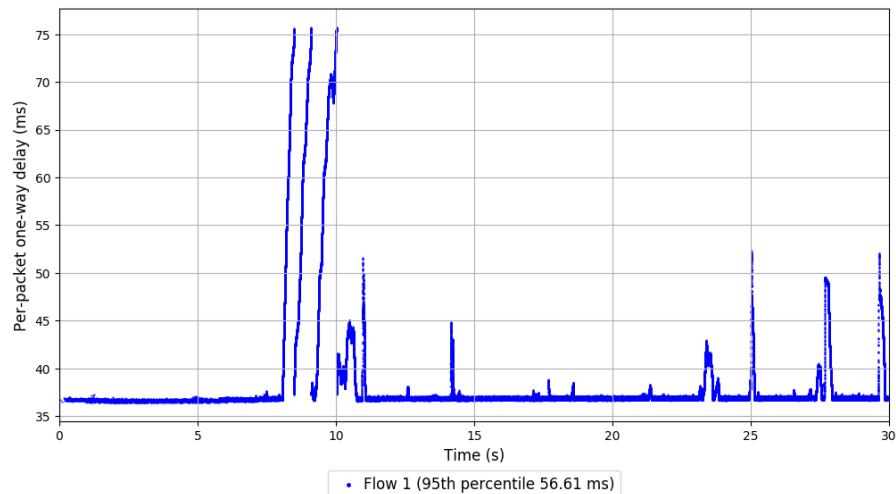
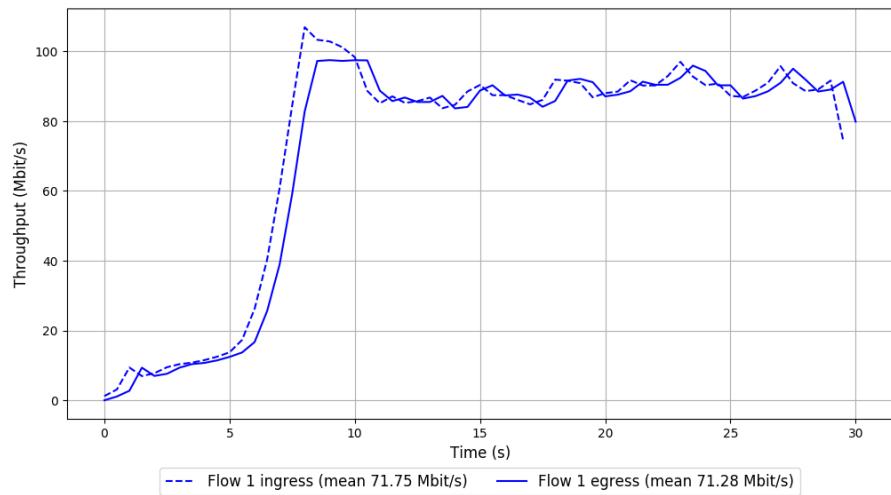


```
Run 1: Statistics of PCC-Vivace
```

```
Start at: 2018-06-29 12:57:06
End at: 2018-06-29 12:57:36
Local clock offset: -4.574 ms
Remote clock offset: 6.169 ms

# Below is generated by plot.py at 2018-06-29 17:10:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 71.28 Mbit/s
95th percentile per-packet one-way delay: 56.607 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 71.28 Mbit/s
95th percentile per-packet one-way delay: 56.607 ms
Loss rate: 0.66%
```

Run 1: Report of PCC-Vivace — Data Link

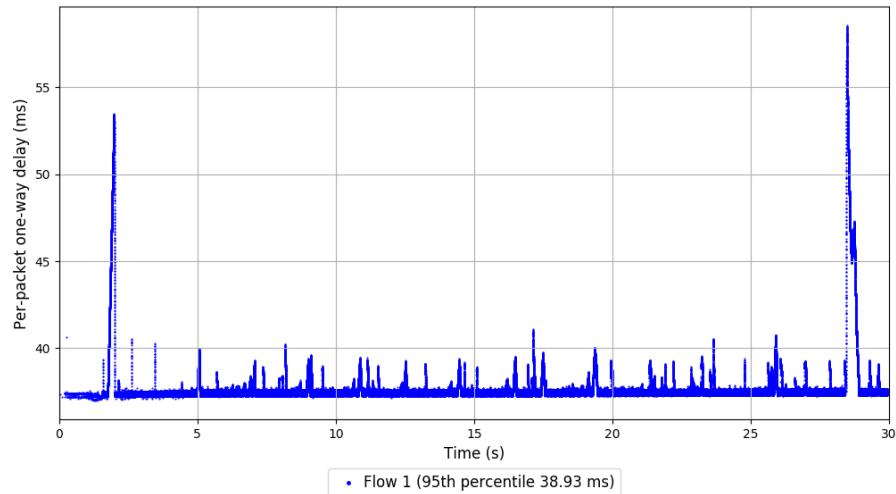
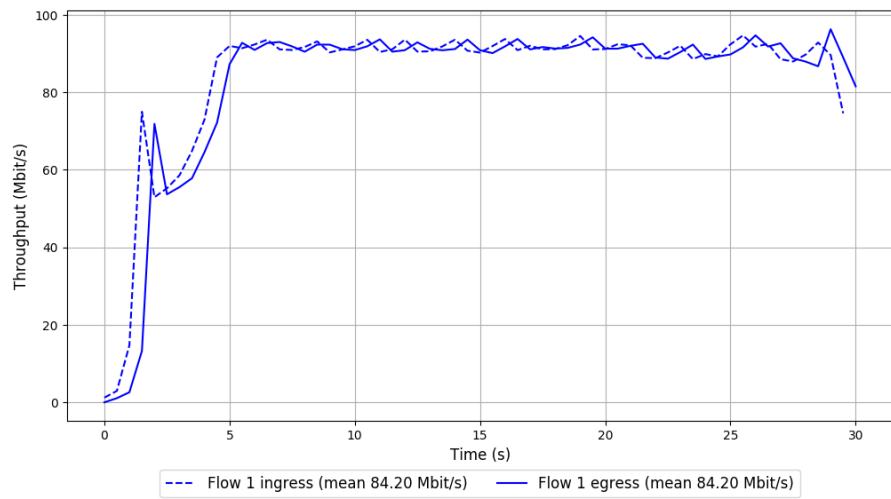


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-06-29 13:20:36
End at: 2018-06-29 13:21:06
Local clock offset: -3.621 ms
Remote clock offset: 4.194 ms

# Below is generated by plot.py at 2018-06-29 17:10:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.20 Mbit/s
95th percentile per-packet one-way delay: 38.926 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.20 Mbit/s
95th percentile per-packet one-way delay: 38.926 ms
Loss rate: 0.00%
```

Run 2: Report of PCC-Vivace — Data Link

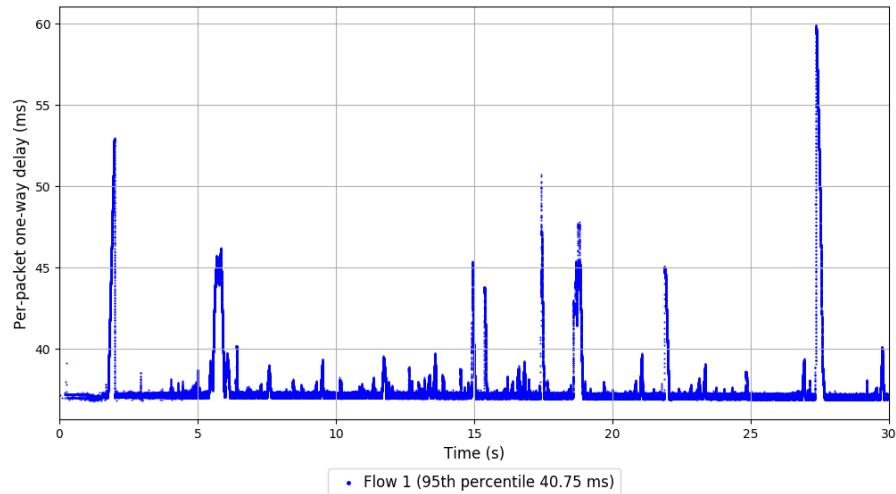
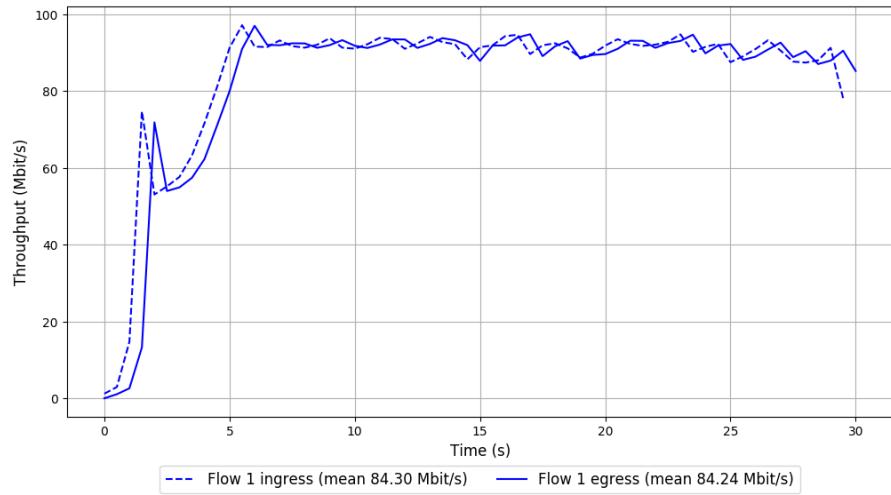


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-06-29 13:43:49
End at: 2018-06-29 13:44:19
Local clock offset: -5.301 ms
Remote clock offset: 1.931 ms

# Below is generated by plot.py at 2018-06-29 17:10:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.24 Mbit/s
95th percentile per-packet one-way delay: 40.751 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 84.24 Mbit/s
95th percentile per-packet one-way delay: 40.751 ms
Loss rate: 0.07%
```

Run 3: Report of PCC-Vivace — Data Link

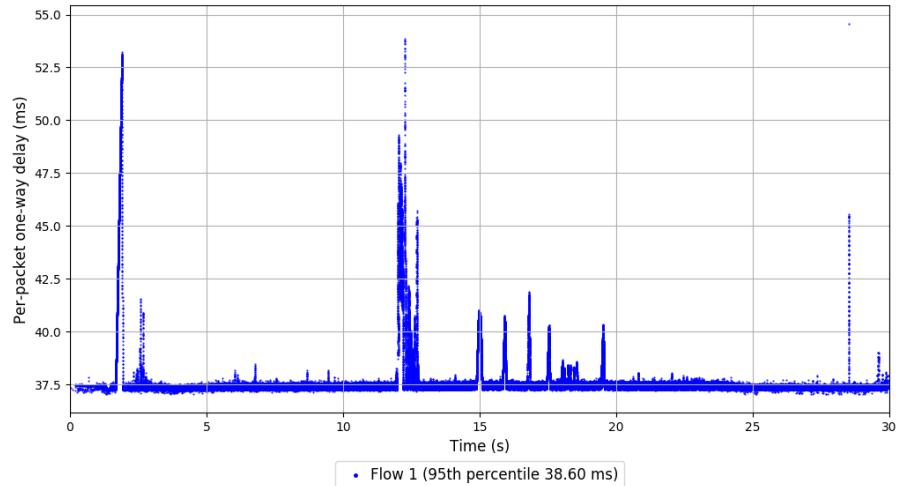
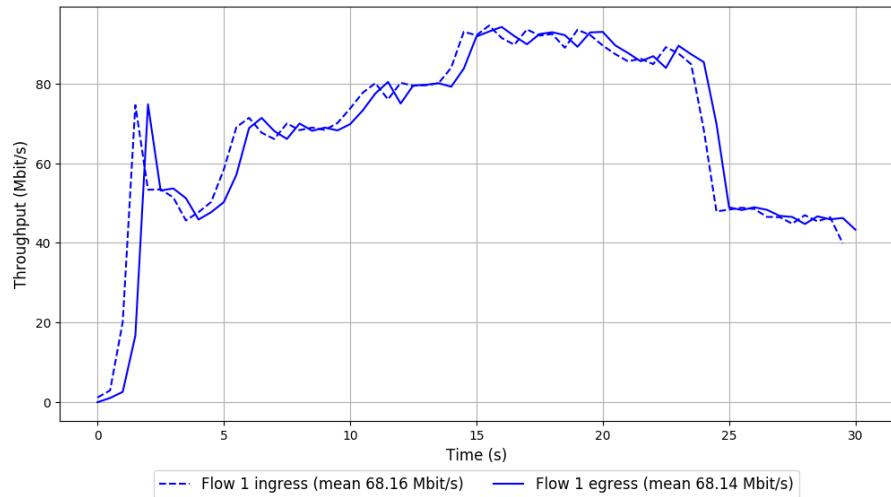


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-06-29 14:07:56
End at: 2018-06-29 14:08:26
Local clock offset: -0.281 ms
Remote clock offset: 2.851 ms

# Below is generated by plot.py at 2018-06-29 17:10:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 68.14 Mbit/s
95th percentile per-packet one-way delay: 38.596 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 68.14 Mbit/s
95th percentile per-packet one-way delay: 38.596 ms
Loss rate: 0.03%
```

Run 4: Report of PCC-Vivace — Data Link

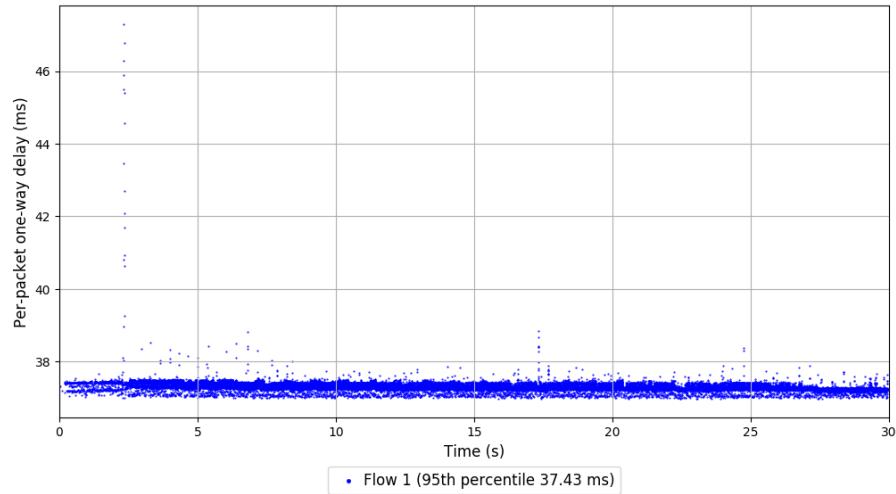
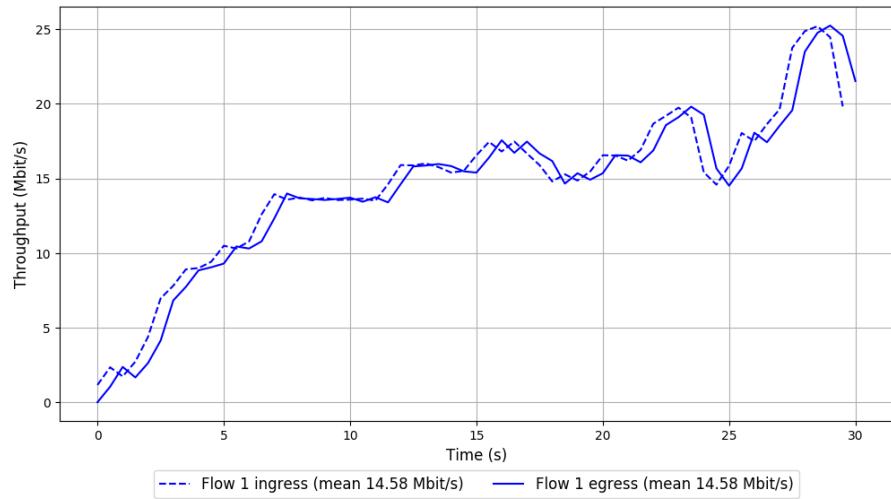


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-06-29 14:32:30
End at: 2018-06-29 14:33:00
Local clock offset: -2.643 ms
Remote clock offset: 1.069 ms

# Below is generated by plot.py at 2018-06-29 17:10:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 14.58 Mbit/s
95th percentile per-packet one-way delay: 37.427 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 14.58 Mbit/s
95th percentile per-packet one-way delay: 37.427 ms
Loss rate: 0.01%
```

Run 5: Report of PCC-Vivace — Data Link

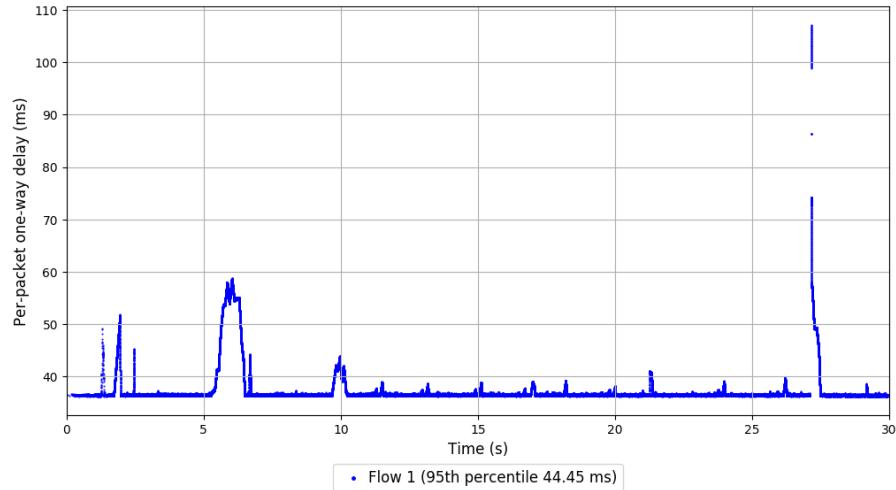
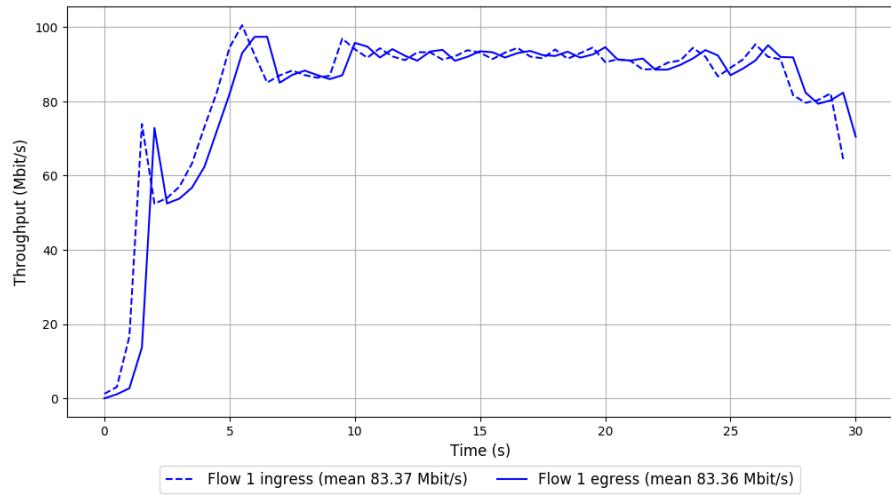


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-06-29 14:56:50
End at: 2018-06-29 14:57:20
Local clock offset: -2.413 ms
Remote clock offset: 1.507 ms

# Below is generated by plot.py at 2018-06-29 17:10:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.36 Mbit/s
95th percentile per-packet one-way delay: 44.450 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 83.36 Mbit/s
95th percentile per-packet one-way delay: 44.450 ms
Loss rate: 0.01%
```

Run 6: Report of PCC-Vivace — Data Link

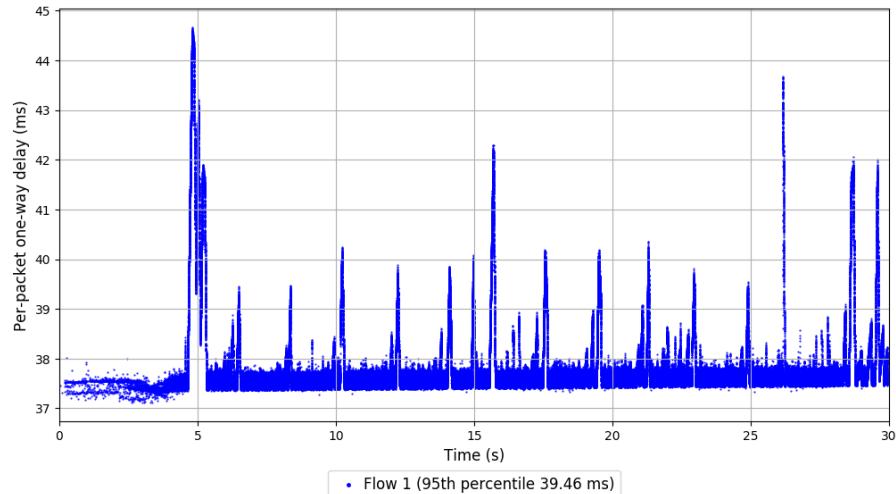
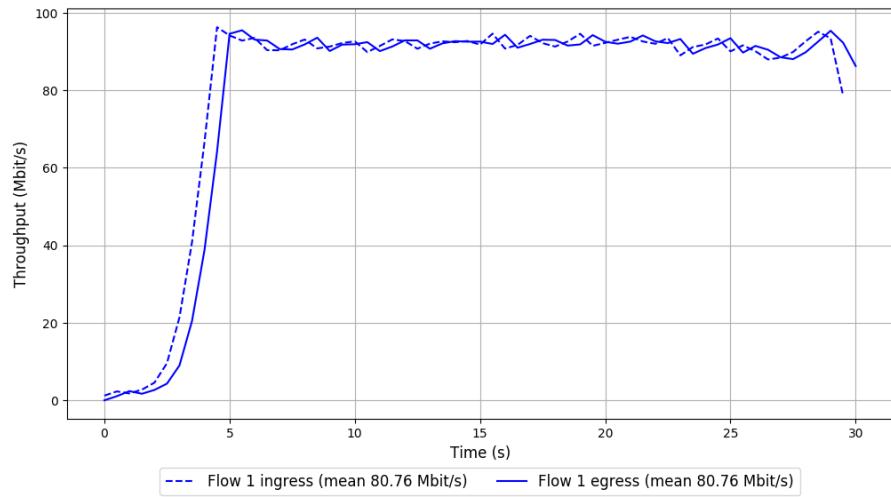


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-06-29 15:20:39
End at: 2018-06-29 15:21:09
Local clock offset: -0.67 ms
Remote clock offset: 3.868 ms

# Below is generated by plot.py at 2018-06-29 17:10:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.76 Mbit/s
95th percentile per-packet one-way delay: 39.460 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 80.76 Mbit/s
95th percentile per-packet one-way delay: 39.460 ms
Loss rate: 0.00%
```

Run 7: Report of PCC-Vivace — Data Link

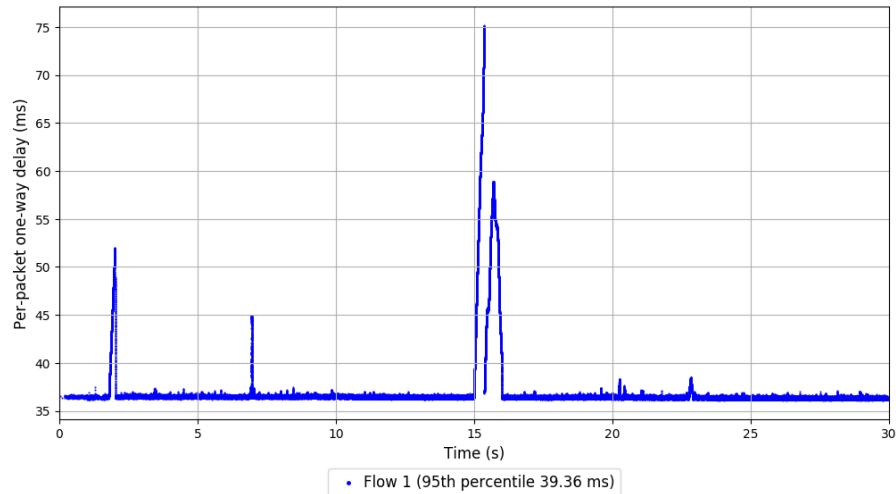
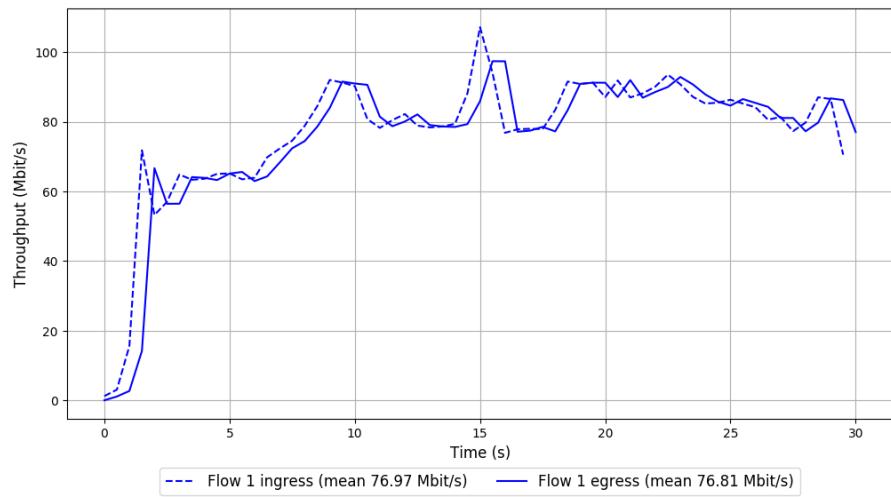


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-06-29 15:45:33
End at: 2018-06-29 15:46:03
Local clock offset: 2.342 ms
Remote clock offset: 4.203 ms

# Below is generated by plot.py at 2018-06-29 17:10:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.81 Mbit/s
95th percentile per-packet one-way delay: 39.361 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 76.81 Mbit/s
95th percentile per-packet one-way delay: 39.361 ms
Loss rate: 0.20%
```

Run 8: Report of PCC-Vivace — Data Link

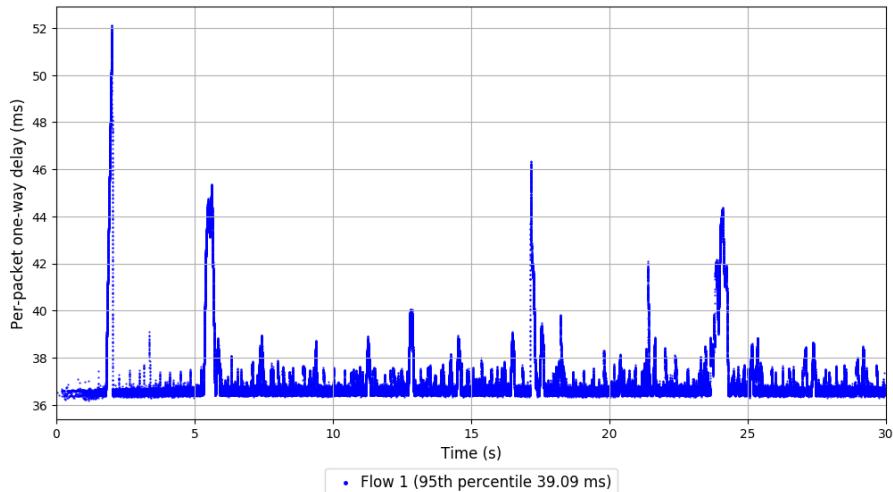
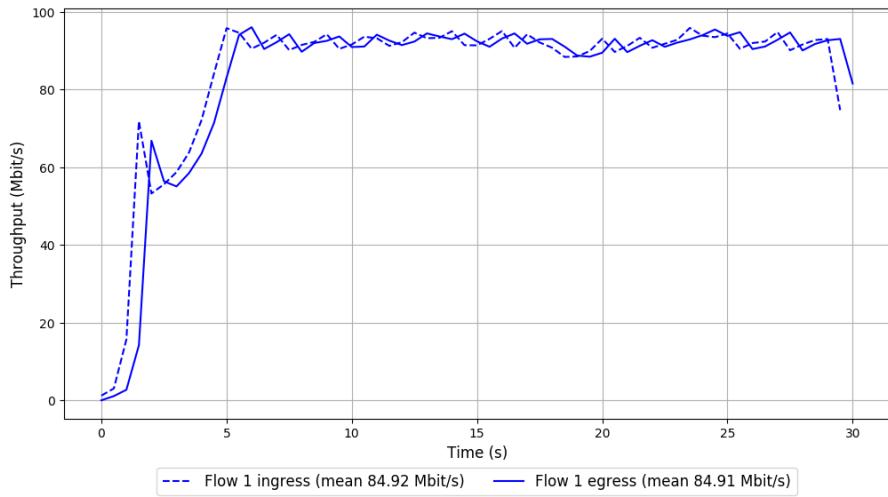


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-06-29 16:09:45
End at: 2018-06-29 16:10:15
Local clock offset: -1.741 ms
Remote clock offset: 4.287 ms

# Below is generated by plot.py at 2018-06-29 17:10:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 84.91 Mbit/s
95th percentile per-packet one-way delay: 39.093 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 84.91 Mbit/s
95th percentile per-packet one-way delay: 39.093 ms
Loss rate: 0.00%
```

Run 9: Report of PCC-Vivace — Data Link

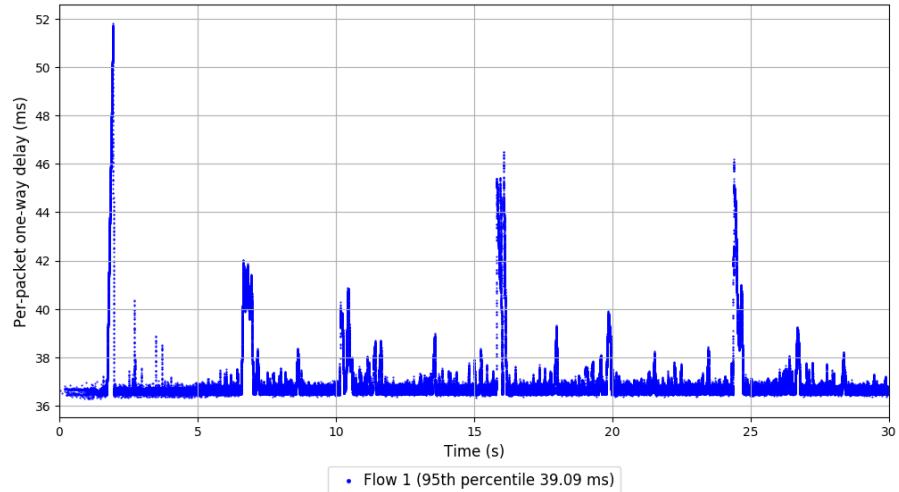
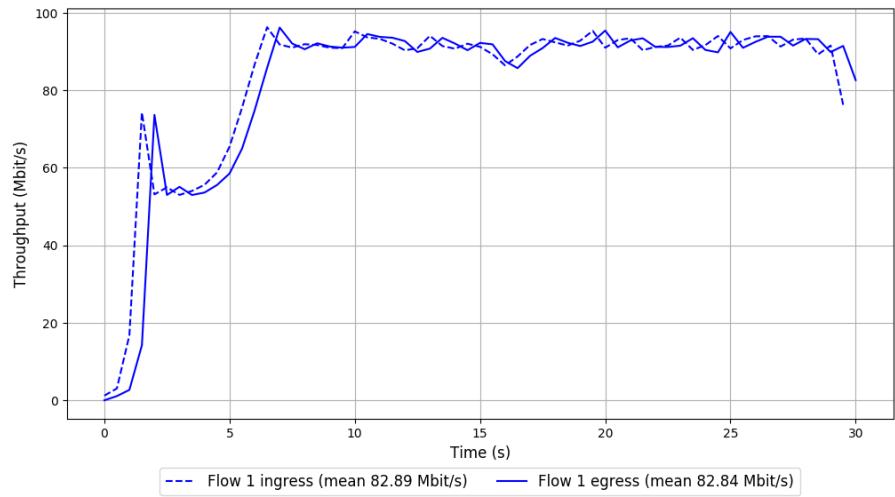


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-06-29 16:33:29
End at: 2018-06-29 16:33:59
Local clock offset: -1.62 ms
Remote clock offset: 4.46 ms

# Below is generated by plot.py at 2018-06-29 17:10:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 82.84 Mbit/s
95th percentile per-packet one-way delay: 39.088 ms
Loss rate: 0.06%
-- Flow 1:
Average throughput: 82.84 Mbit/s
95th percentile per-packet one-way delay: 39.088 ms
Loss rate: 0.06%
```

Run 10: Report of PCC-Vivace — Data Link

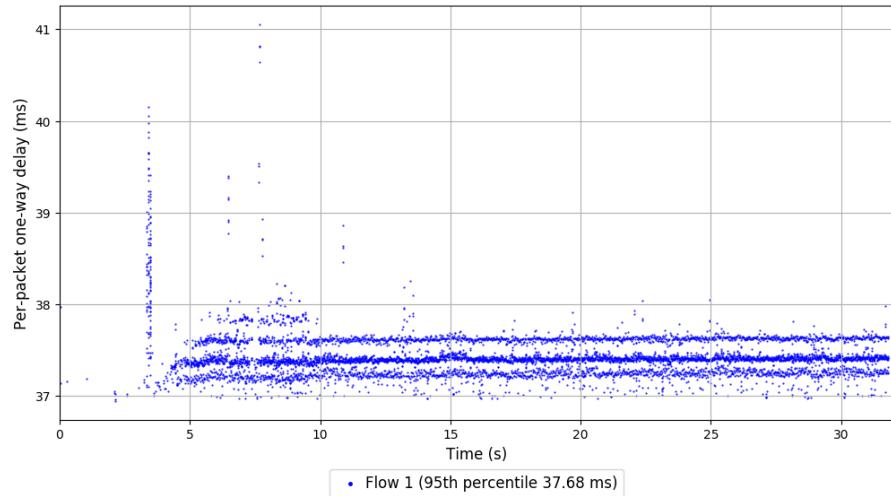
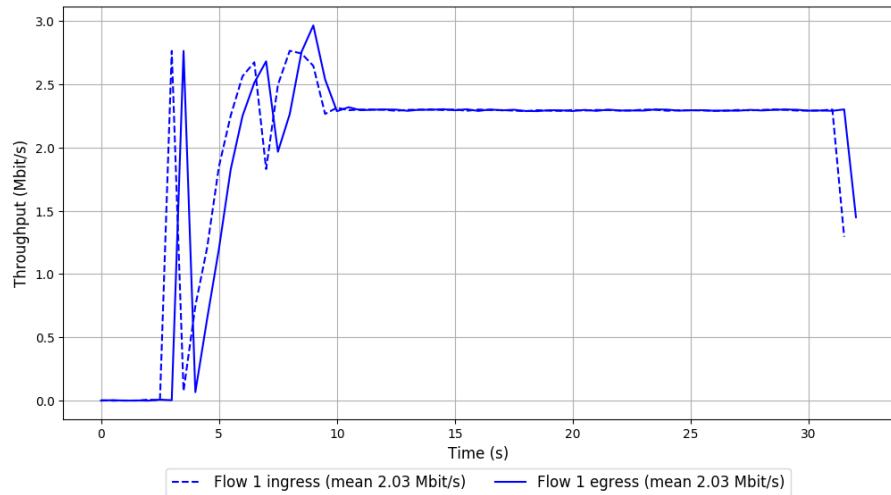


```
Run 1: Statistics of WebRTC media

Start at: 2018-06-29 12:59:58
End at: 2018-06-29 13:00:28
Local clock offset: -3.873 ms
Remote clock offset: 6.359 ms

# Below is generated by plot.py at 2018-06-29 17:10:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 37.682 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 2.03 Mbit/s
95th percentile per-packet one-way delay: 37.682 ms
Loss rate: 0.00%
```

Run 1: Report of WebRTC media — Data Link

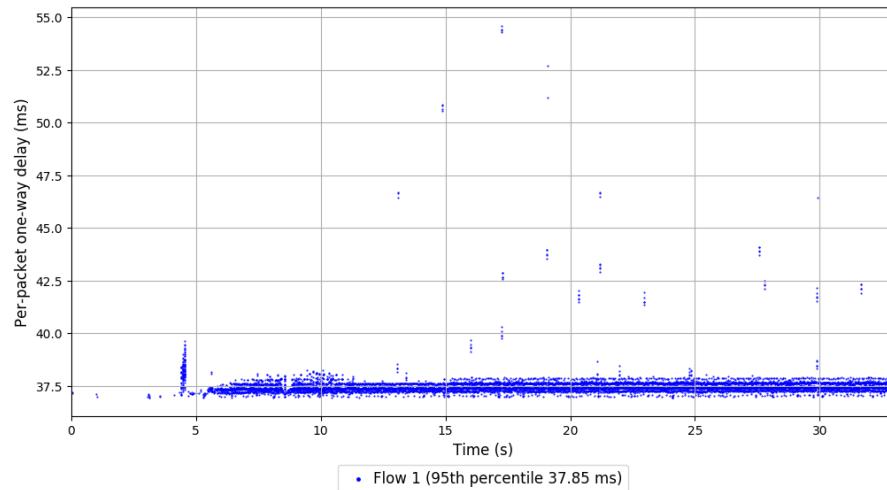
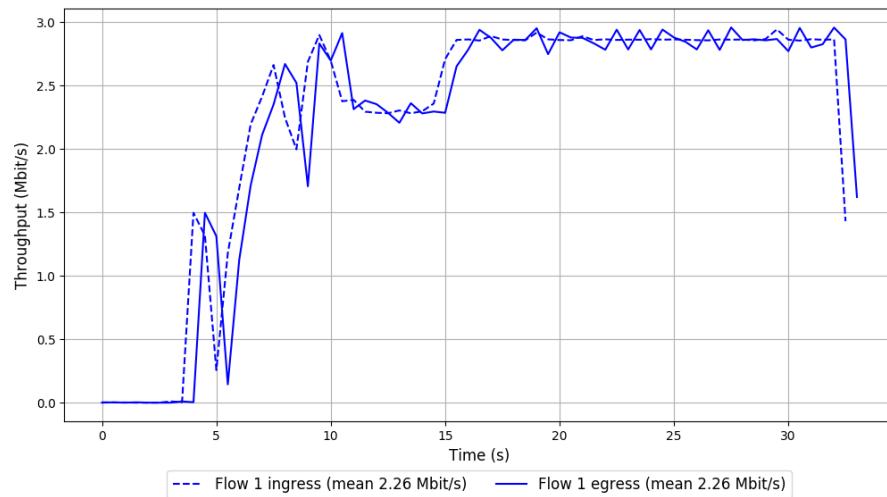


Run 2: Statistics of WebRTC media

```
Start at: 2018-06-29 13:23:33
End at: 2018-06-29 13:24:03
Local clock offset: -3.61 ms
Remote clock offset: 3.76 ms

# Below is generated by plot.py at 2018-06-29 17:10:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 37.855 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 2.26 Mbit/s
95th percentile per-packet one-way delay: 37.855 ms
Loss rate: 0.20%
```

Run 2: Report of WebRTC media — Data Link

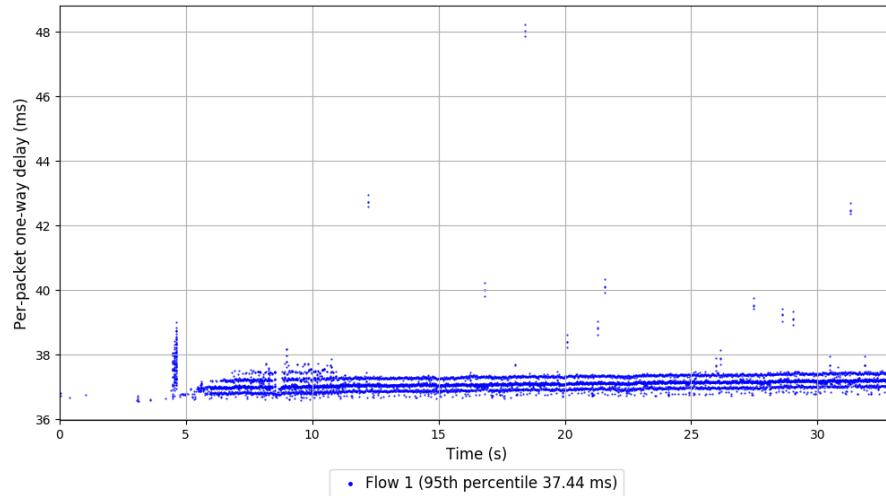
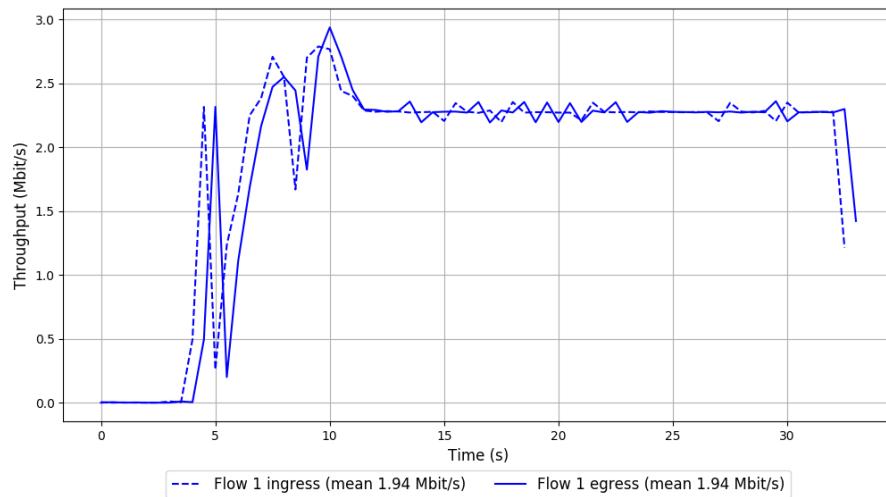


Run 3: Statistics of WebRTC media

```
Start at: 2018-06-29 13:46:29
End at: 2018-06-29 13:46:59
Local clock offset: -5.101 ms
Remote clock offset: 2.361 ms

# Below is generated by plot.py at 2018-06-29 17:10:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 37.438 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 37.438 ms
Loss rate: 0.00%
```

### Run 3: Report of WebRTC media — Data Link

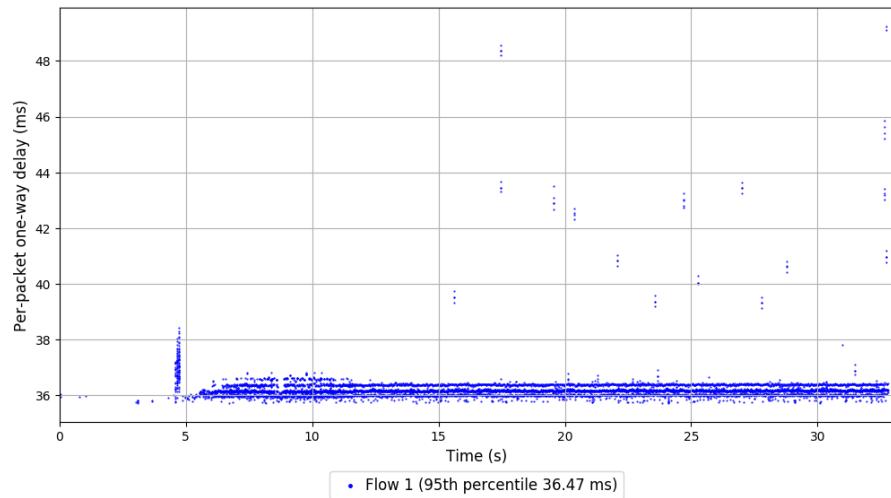
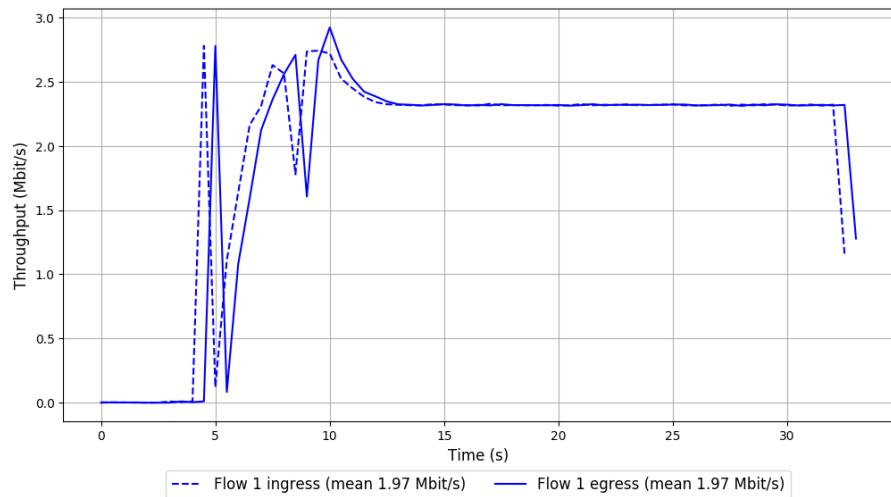


Run 4: Statistics of WebRTC media

```
Start at: 2018-06-29 14:11:03
End at: 2018-06-29 14:11:33
Local clock offset: -0.234 ms
Remote clock offset: 2.135 ms

# Below is generated by plot.py at 2018-06-29 17:10:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 36.467 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 36.467 ms
Loss rate: 0.03%
```

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

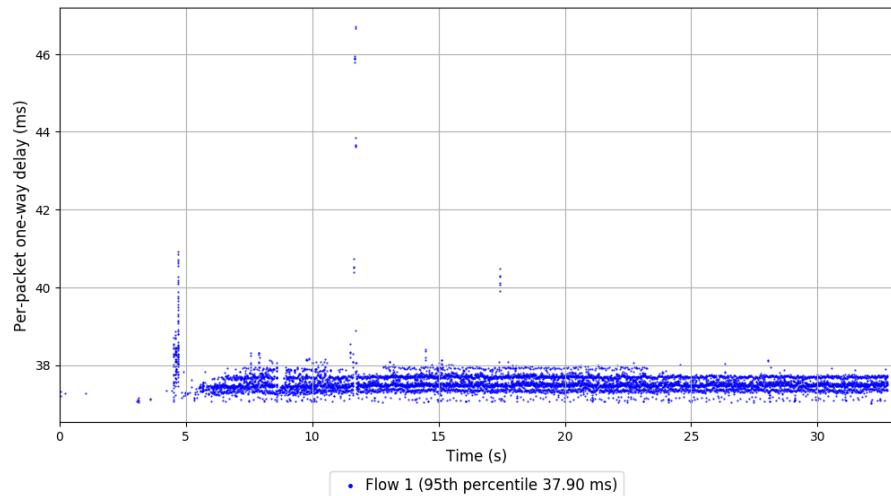
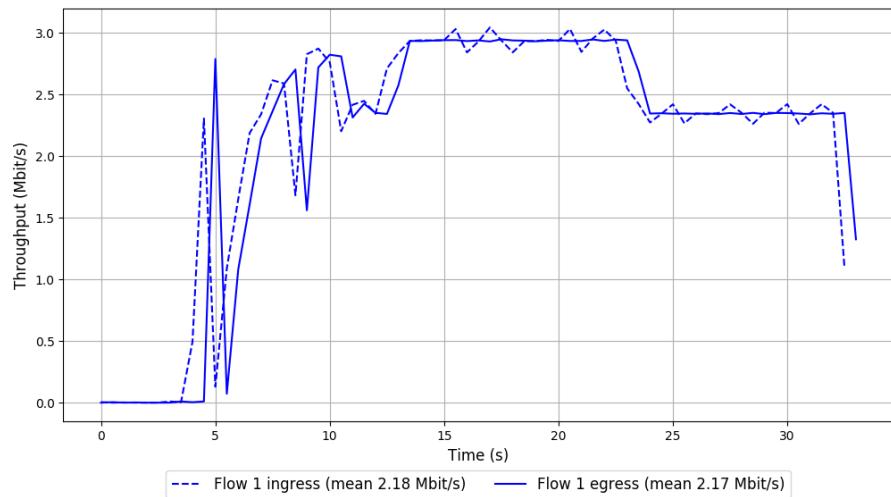


```
Run 5: Statistics of WebRTC media

Start at: 2018-06-29 14:35:24
End at: 2018-06-29 14:35:54
Local clock offset: -2.874 ms
Remote clock offset: 0.87 ms

# Below is generated by plot.py at 2018-06-29 17:10:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 37.898 ms
Loss rate: 0.07%
-- Flow 1:
Average throughput: 2.17 Mbit/s
95th percentile per-packet one-way delay: 37.898 ms
Loss rate: 0.07%
```

Run 5: Report of WebRTC media — Data Link

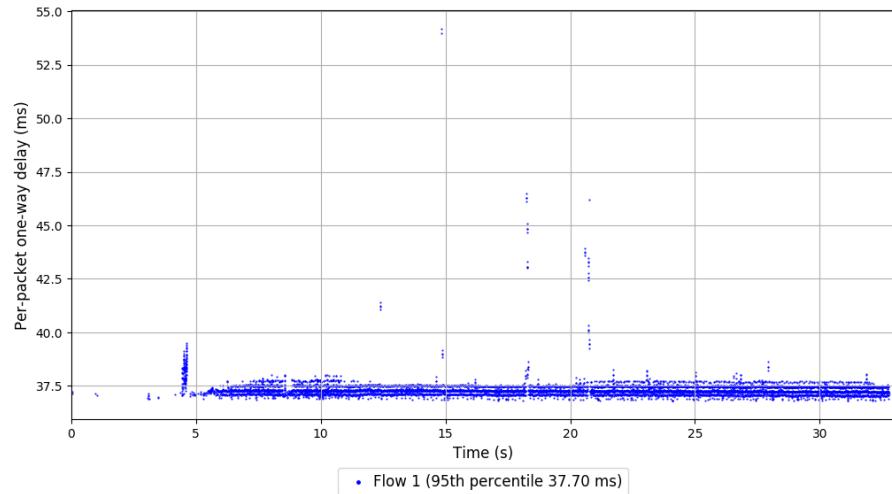
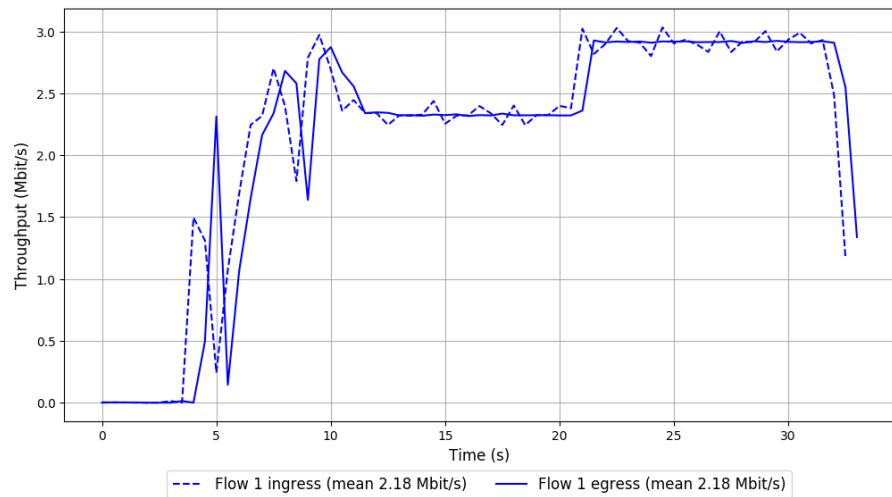


Run 6: Statistics of WebRTC media

```
Start at: 2018-06-29 14:59:47
End at: 2018-06-29 15:00:17
Local clock offset: -2.326 ms
Remote clock offset: 2.289 ms

# Below is generated by plot.py at 2018-06-29 17:10:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 37.703 ms
Loss rate: 0.11%
-- Flow 1:
Average throughput: 2.18 Mbit/s
95th percentile per-packet one-way delay: 37.703 ms
Loss rate: 0.11%
```

Run 6: Report of WebRTC media — Data Link

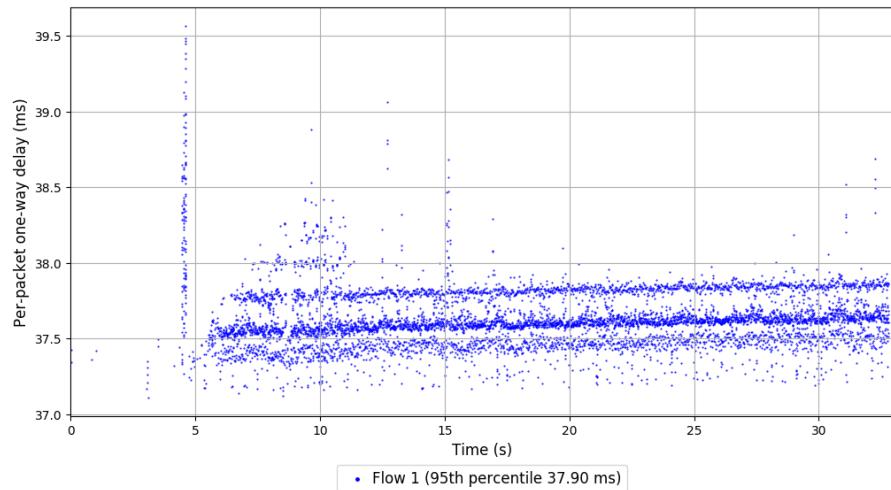
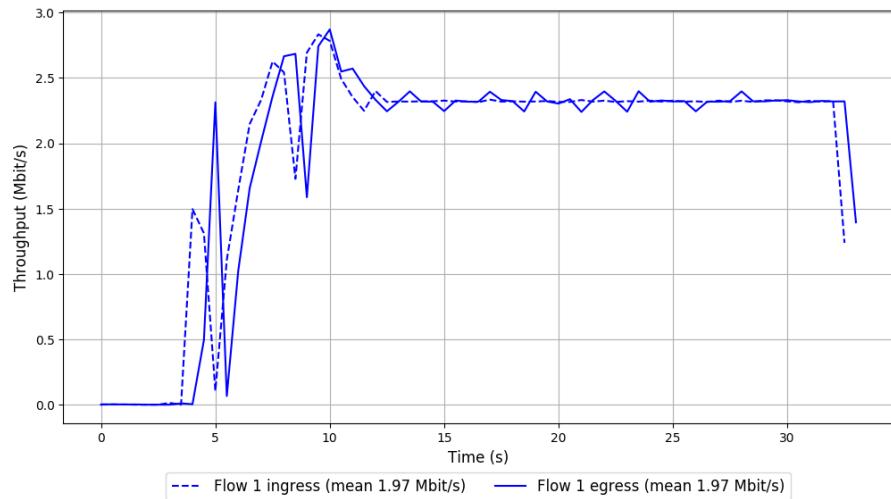


Run 7: Statistics of WebRTC media

```
Start at: 2018-06-29 15:23:37
End at: 2018-06-29 15:24:07
Local clock offset: 0.056 ms
Remote clock offset: 3.972 ms

# Below is generated by plot.py at 2018-06-29 17:10:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 37.896 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 37.896 ms
Loss rate: 0.00%
```

Run 7: Report of WebRTC media — Data Link

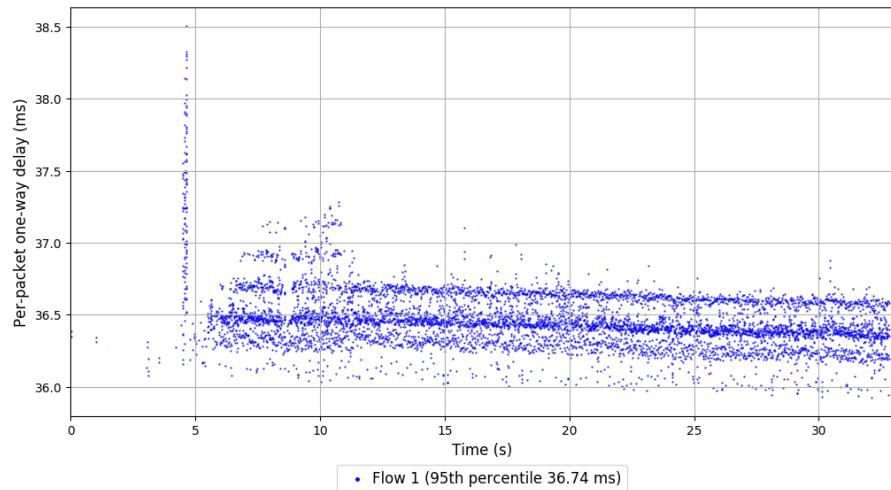
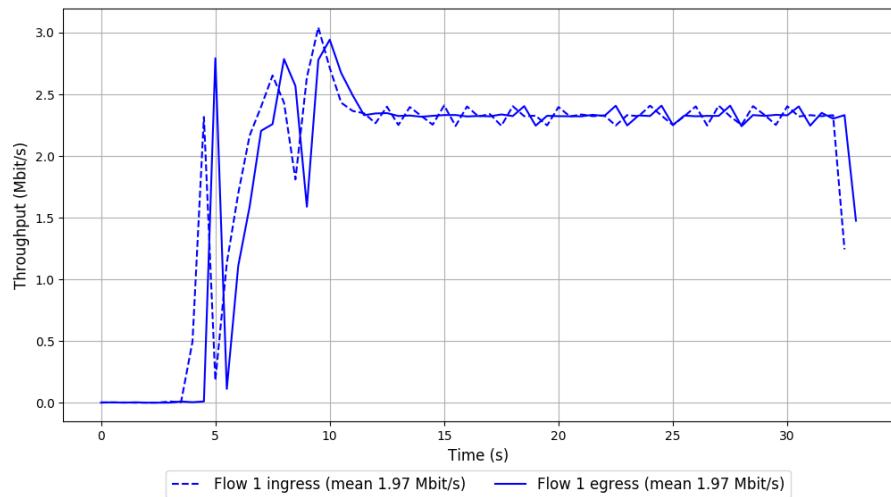


Run 8: Statistics of WebRTC media

```
Start at: 2018-06-29 15:48:43
End at: 2018-06-29 15:49:13
Local clock offset: 1.21 ms
Remote clock offset: 4.247 ms

# Below is generated by plot.py at 2018-06-29 17:10:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 36.736 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 36.736 ms
Loss rate: 0.00%
```

Run 8: Report of WebRTC media — Data Link

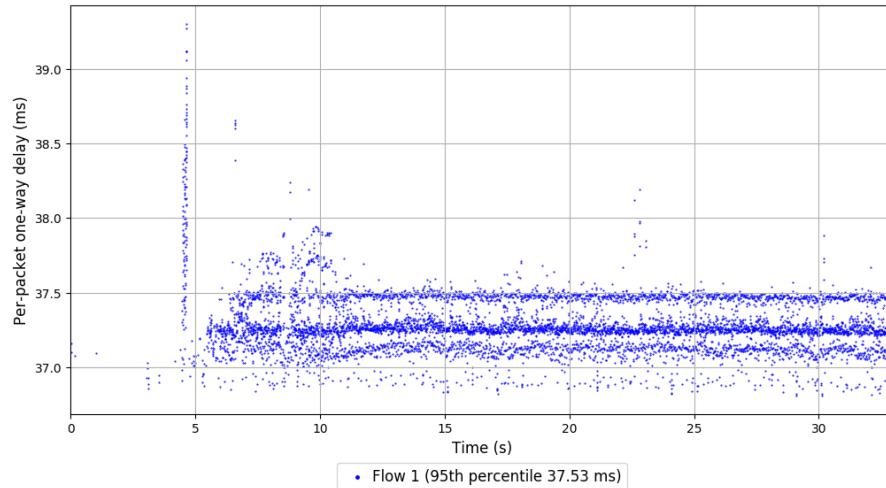
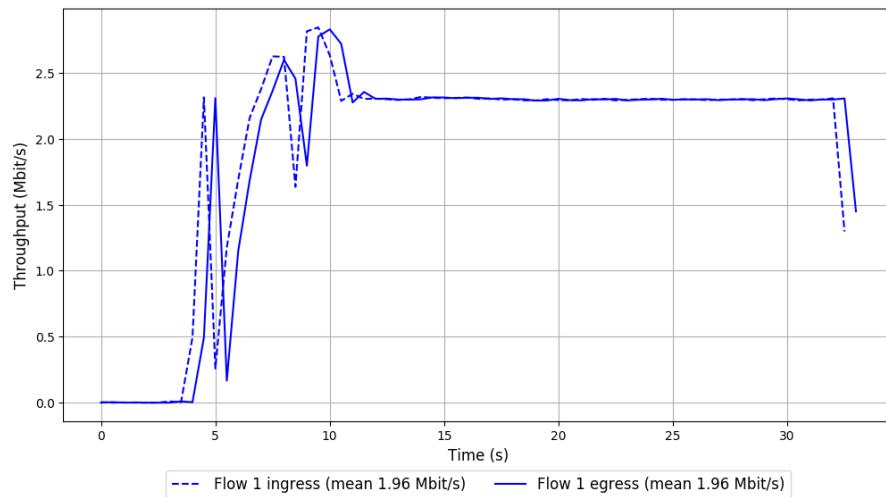


Run 9: Statistics of WebRTC media

```
Start at: 2018-06-29 16:12:36
End at: 2018-06-29 16:13:06
Local clock offset: -1.88 ms
Remote clock offset: 4.255 ms

# Below is generated by plot.py at 2018-06-29 17:10:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 37.529 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.96 Mbit/s
95th percentile per-packet one-way delay: 37.529 ms
Loss rate: 0.00%
```

Run 9: Report of WebRTC media — Data Link



Run 10: Statistics of WebRTC media

```
Start at: 2018-06-29 16:36:12
End at: 2018-06-29 16:36:42
Local clock offset: -1.725 ms
Remote clock offset: 4.938 ms

# Below is generated by plot.py at 2018-06-29 17:10:47
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 36.873 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 1.97 Mbit/s
95th percentile per-packet one-way delay: 36.873 ms
Loss rate: 0.00%
```

Run 10: Report of WebRTC media — Data Link

