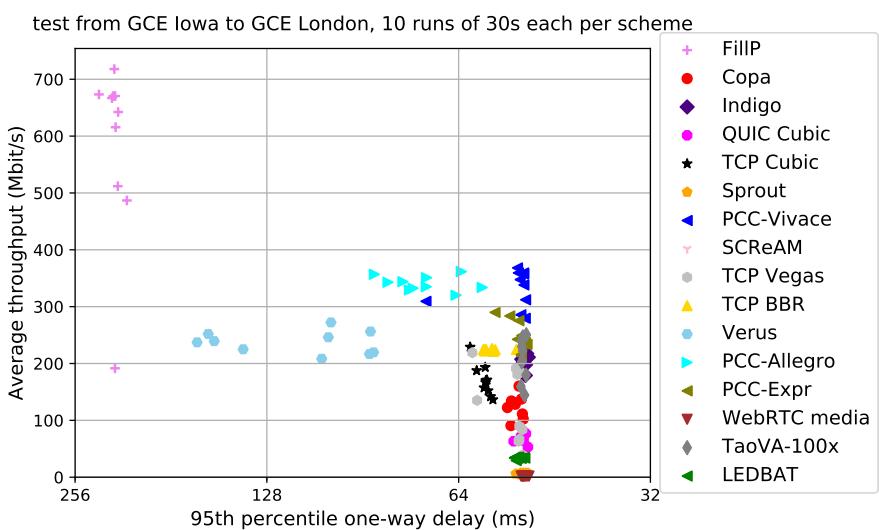
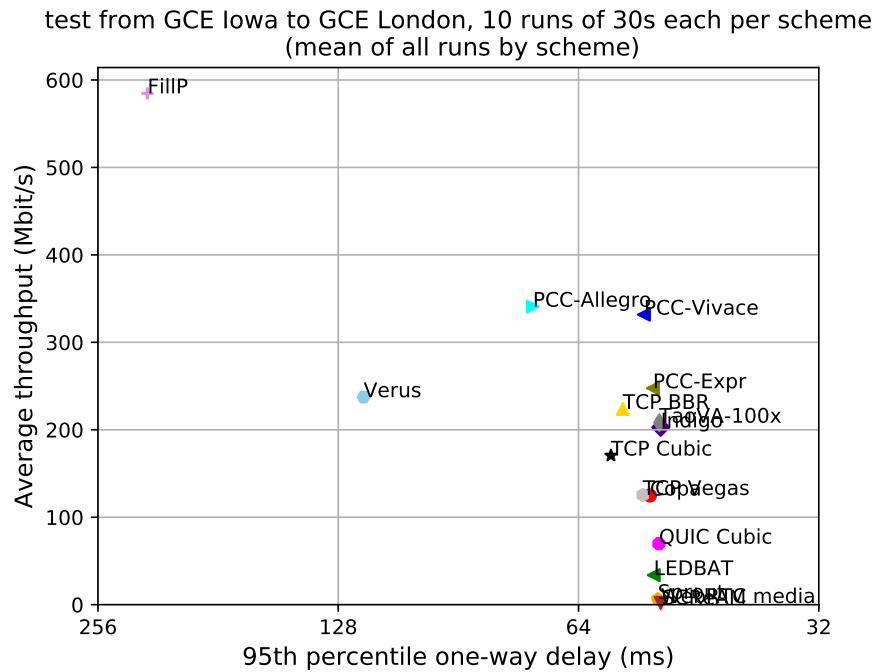


## Pantheon Report

Generated at 2018-06-07 16:11:31 (UTC).  
Data path: GCE Iowa Ethernet (*remote*) → GCE London Ethernet (*local*).  
Repeated the test of 16 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.google.com` and have been applied  
to correct the timestamps in logs.

Git summary:

```
branch: master @ 227fdf9a3757f17b88537ccecd5743a33037a3d2
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/genericCC @ c7966e494a929986eaa5a9c169a7f381fe1bbbe5
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179eab4a906ce6bb7cf3cf
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 @ c838669682f0c19f6baf92afc9a596a406d48c1f
  M src/examples/cellsim.cc
  M src/examples/sproutbt2.cc
  M src/network/sproutconn.cc
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



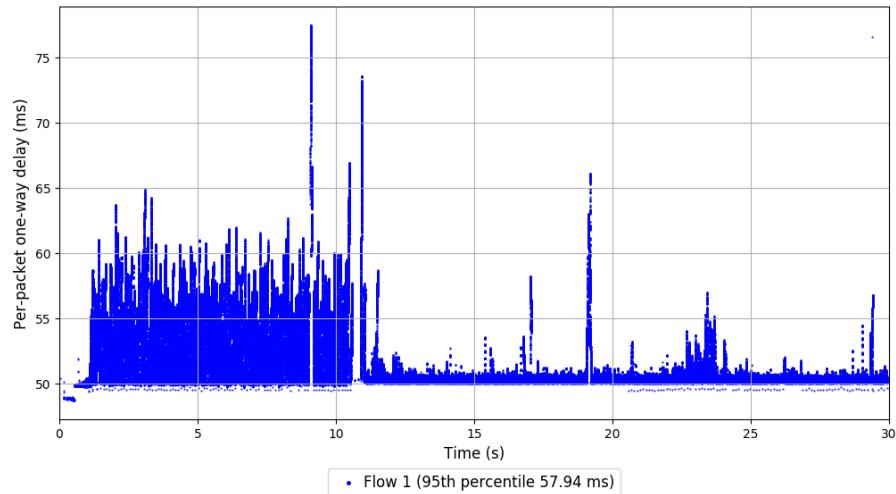
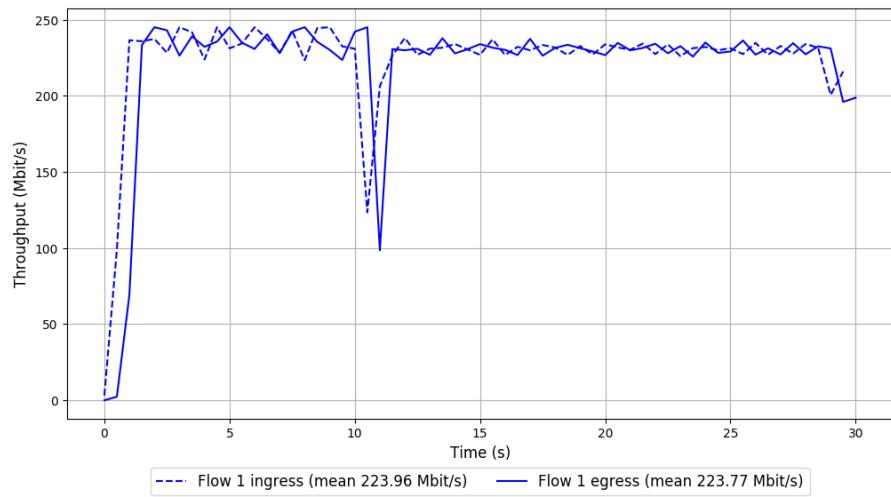
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	223.85	56.32	0.35
Copa	10	124.83	52.08	0.38
TCP Cubic	10	170.53	58.28	0.35
FillP	10	584.73	221.91	0.71
Indigo	9	202.79	50.49	0.35
LEDBAT	10	33.80	51.52	0.68
PCC-Allegro	10	340.70	73.01	0.40
PCC-Expr	10	247.52	51.64	0.37
QUIC Cubic	9	69.76	50.75	0.43
SCReAM	10	0.22	50.34	0.28
Sprout	10	6.43	50.92	0.39
TaoVA-100x	10	208.05	50.71	0.38
TCP Vegas	10	125.44	53.18	0.29
Verus	10	237.31	118.96	0.50
PCC-Vivace	10	331.67	53.00	0.39
WebRTC media	9	1.96	50.49	0.39

Run 1: Statistics of TCP BBR

```
Start at: 2018-06-07 11:28:09
End at: 2018-06-07 11:28:39
Local clock offset: -0.064 ms
Remote clock offset: 0.198 ms

# Below is generated by plot.py at 2018-06-07 15:01:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 223.77 Mbit/s
95th percentile per-packet one-way delay: 57.937 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 223.77 Mbit/s
95th percentile per-packet one-way delay: 57.937 ms
Loss rate: 0.35%
```

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

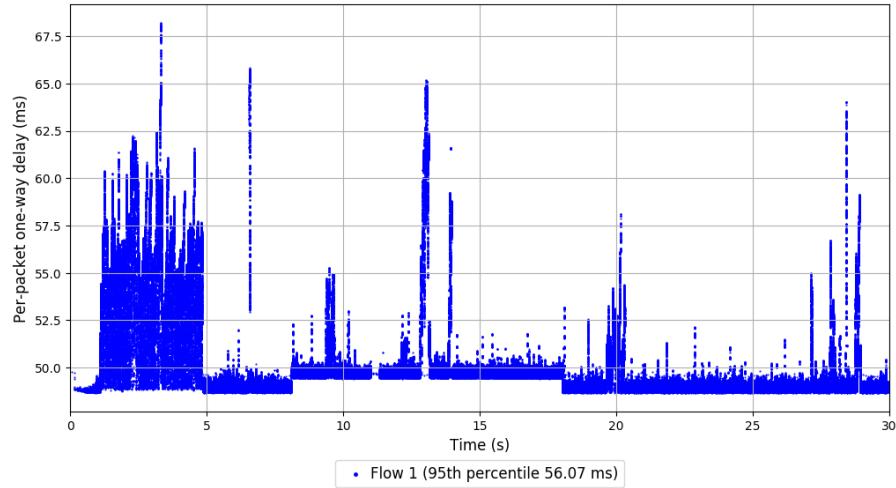
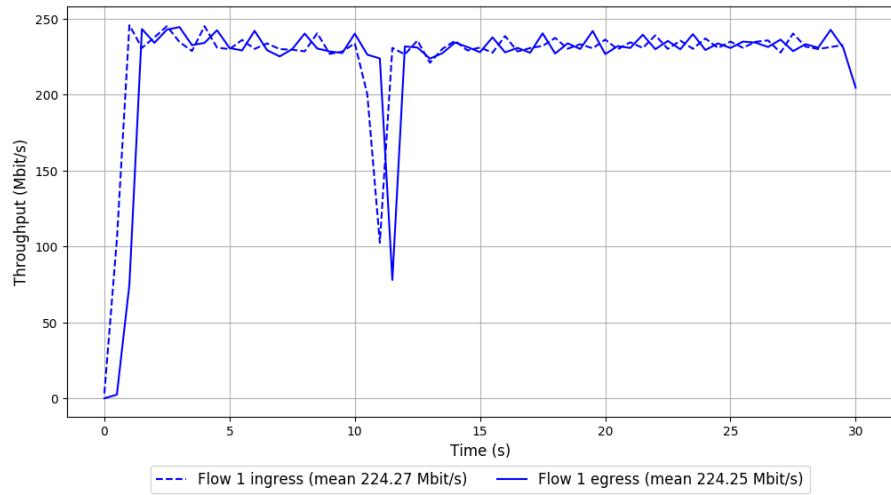


Run 2: Statistics of TCP BBR

```
Start at: 2018-06-07 11:48:12
End at: 2018-06-07 11:48:42
Local clock offset: 0.011 ms
Remote clock offset: 0.09 ms

# Below is generated by plot.py at 2018-06-07 15:01:53
# Datalink statistics
-- Total of 1 flow:
Average throughput: 224.25 Mbit/s
95th percentile per-packet one-way delay: 56.071 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 224.25 Mbit/s
95th percentile per-packet one-way delay: 56.071 ms
Loss rate: 0.35%
```

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

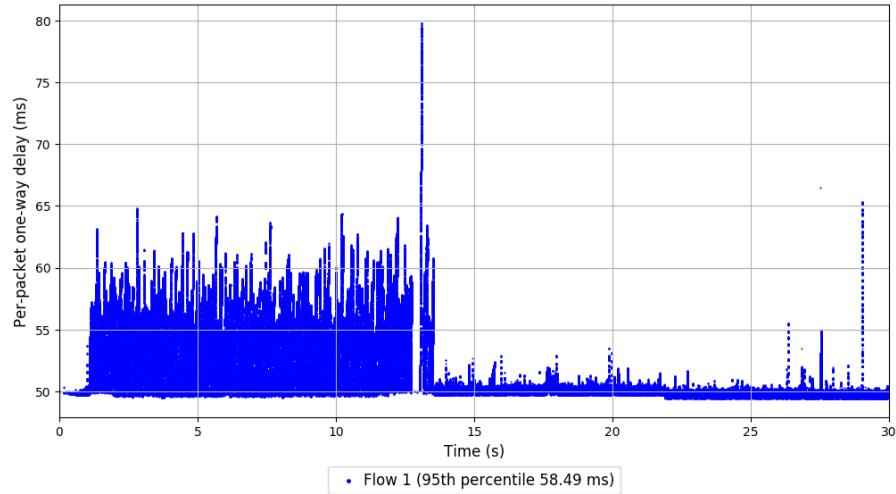
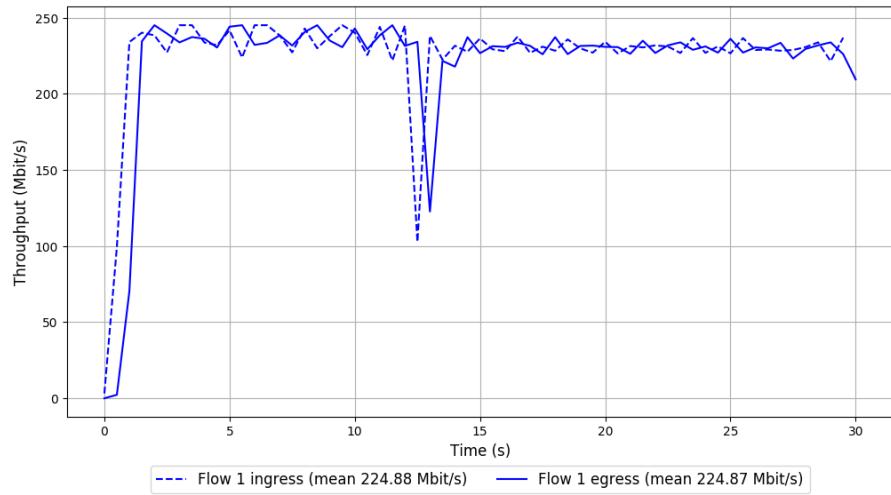


Run 3: Statistics of TCP BBR

```
Start at: 2018-06-07 12:08:08
End at: 2018-06-07 12:08:38
Local clock offset: -0.365 ms
Remote clock offset: -0.024 ms

# Below is generated by plot.py at 2018-06-07 15:01:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 224.87 Mbit/s
95th percentile per-packet one-way delay: 58.488 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 224.87 Mbit/s
95th percentile per-packet one-way delay: 58.488 ms
Loss rate: 0.34%
```

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

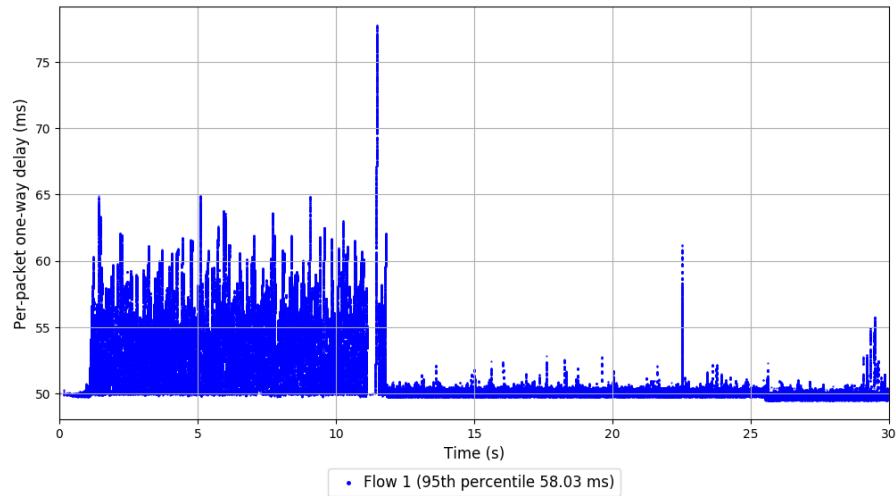
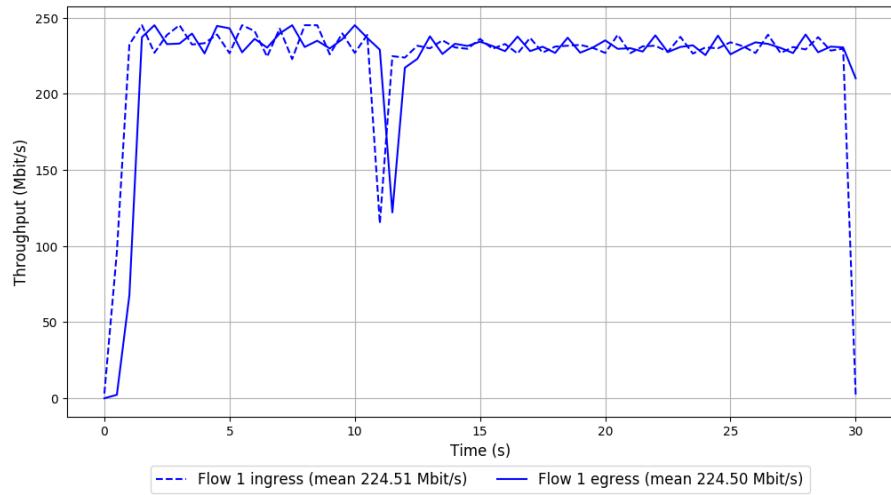


Run 4: Statistics of TCP BBR

```
Start at: 2018-06-07 12:28:34
End at: 2018-06-07 12:29:04
Local clock offset: -0.359 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-06-07 15:01:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 224.50 Mbit/s
95th percentile per-packet one-way delay: 58.031 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 224.50 Mbit/s
95th percentile per-packet one-way delay: 58.031 ms
Loss rate: 0.34%
```

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

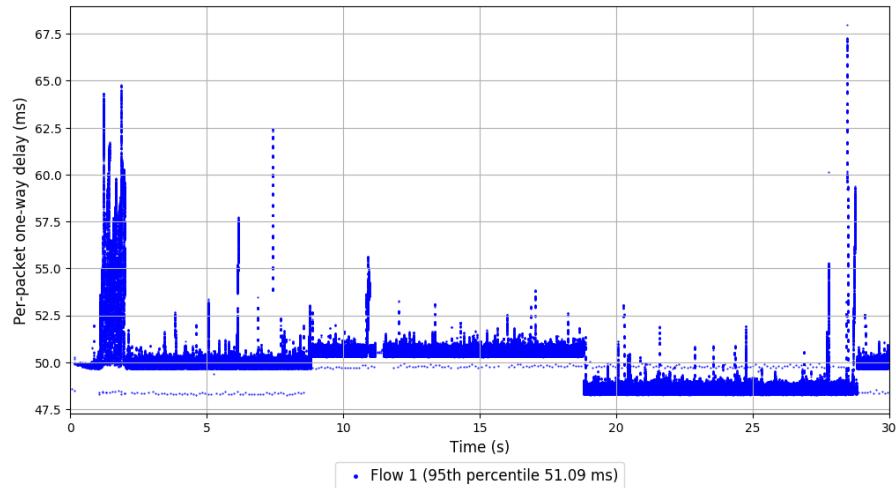
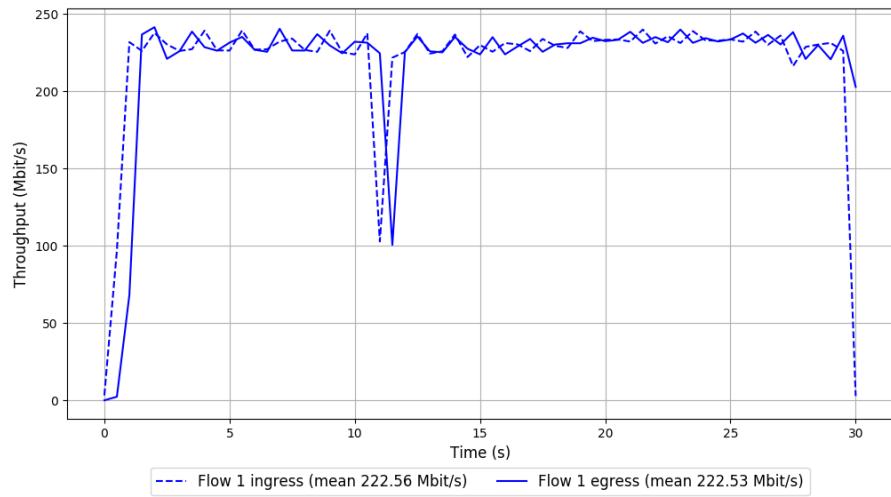


Run 5: Statistics of TCP BBR

```
Start at: 2018-06-07 12:48:31
End at: 2018-06-07 12:49:01
Local clock offset: -0.386 ms
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2018-06-07 15:01:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.53 Mbit/s
95th percentile per-packet one-way delay: 51.090 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 222.53 Mbit/s
95th percentile per-packet one-way delay: 51.090 ms
Loss rate: 0.35%
```

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

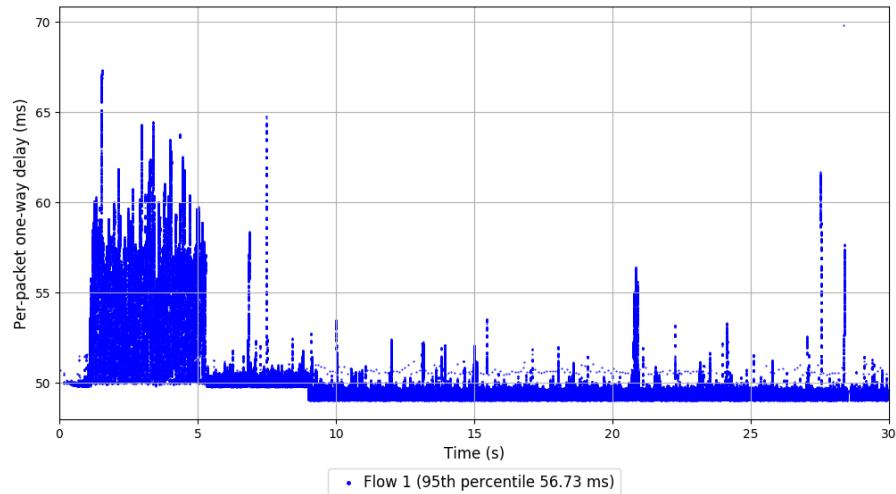
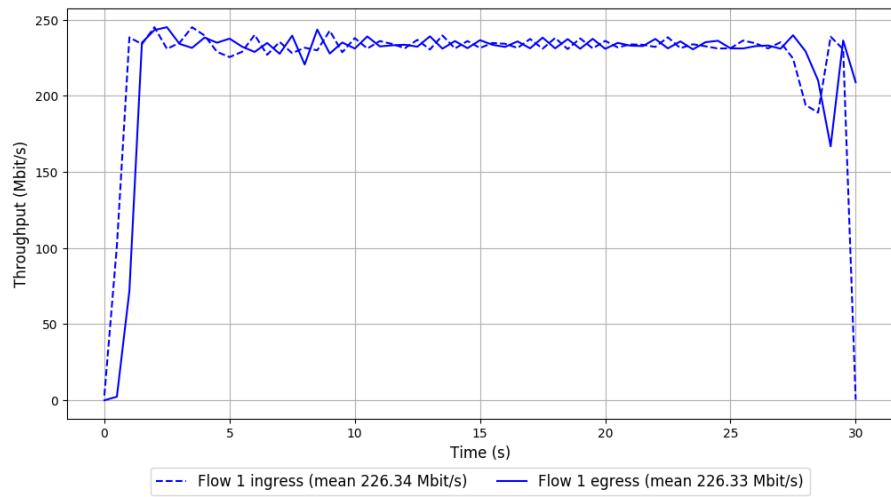


Run 6: Statistics of TCP BBR

```
Start at: 2018-06-07 13:08:51
End at: 2018-06-07 13:09:21
Local clock offset: 0.385 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2018-06-07 15:01:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 226.33 Mbit/s
95th percentile per-packet one-way delay: 56.735 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 226.33 Mbit/s
95th percentile per-packet one-way delay: 56.735 ms
Loss rate: 0.34%
```

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

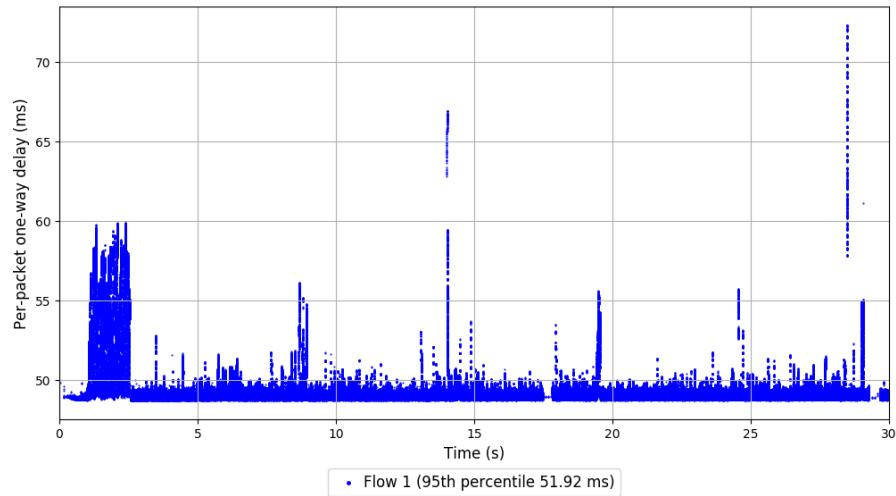
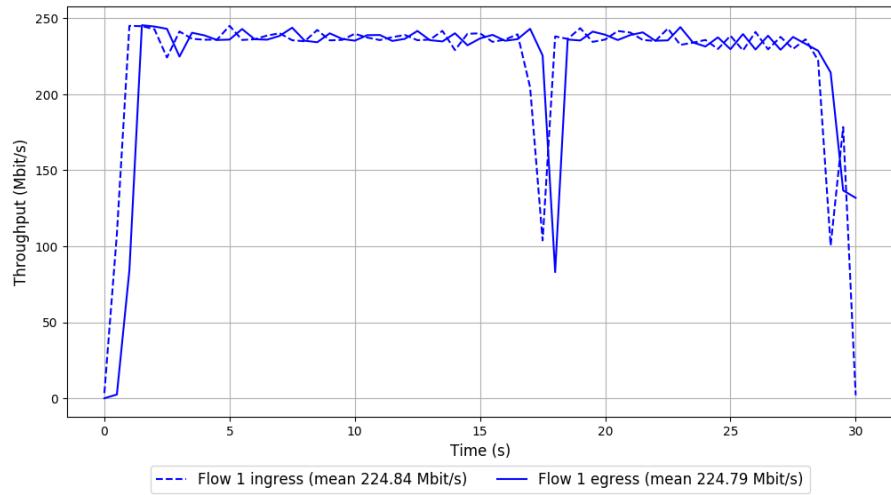


Run 7: Statistics of TCP BBR

```
Start at: 2018-06-07 13:29:04
End at: 2018-06-07 13:29:34
Local clock offset: -0.028 ms
Remote clock offset: -0.146 ms

# Below is generated by plot.py at 2018-06-07 15:01:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 224.79 Mbit/s
95th percentile per-packet one-way delay: 51.920 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 224.79 Mbit/s
95th percentile per-packet one-way delay: 51.920 ms
Loss rate: 0.36%
```

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

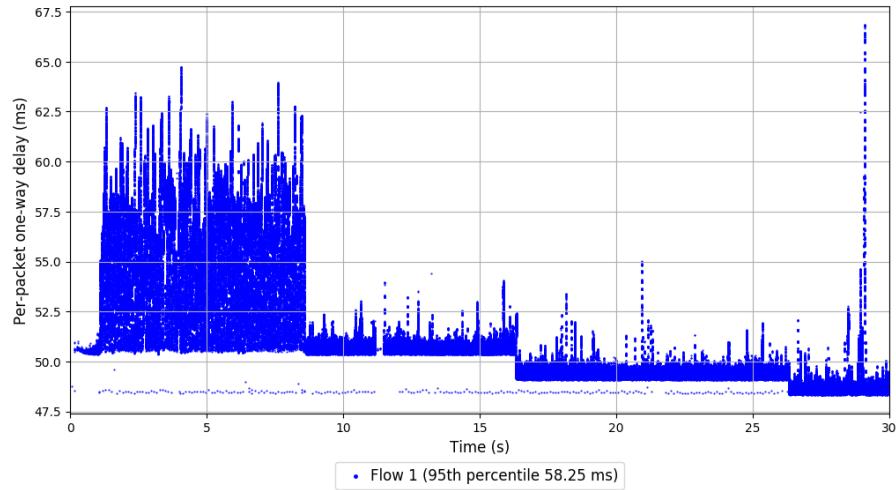
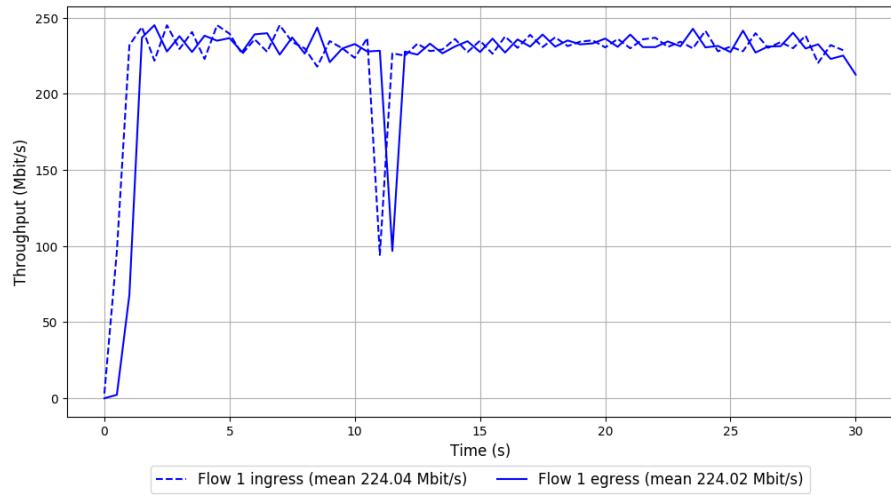


Run 8: Statistics of TCP BBR

```
Start at: 2018-06-07 13:49:03
End at: 2018-06-07 13:49:33
Local clock offset: -0.447 ms
Remote clock offset: -0.116 ms

# Below is generated by plot.py at 2018-06-07 15:01:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 224.02 Mbit/s
95th percentile per-packet one-way delay: 58.246 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 224.02 Mbit/s
95th percentile per-packet one-way delay: 58.246 ms
Loss rate: 0.34%
```

Run 8: Report of TCP BBR — Data Link

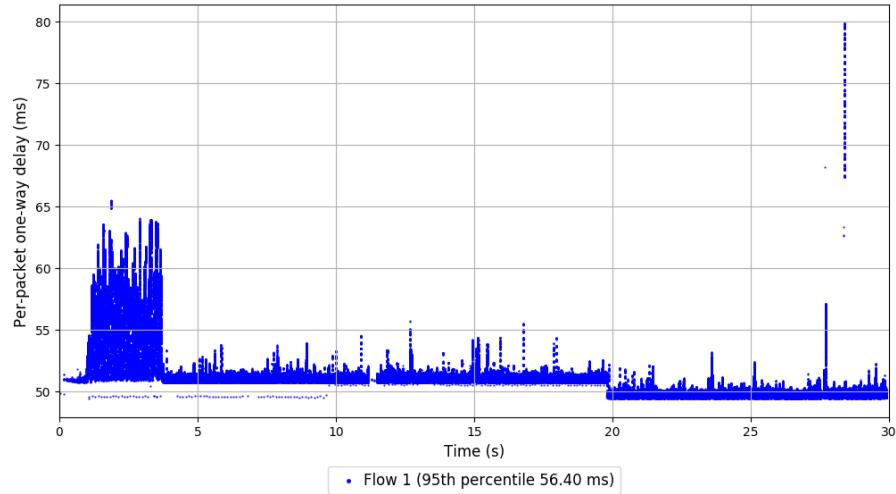
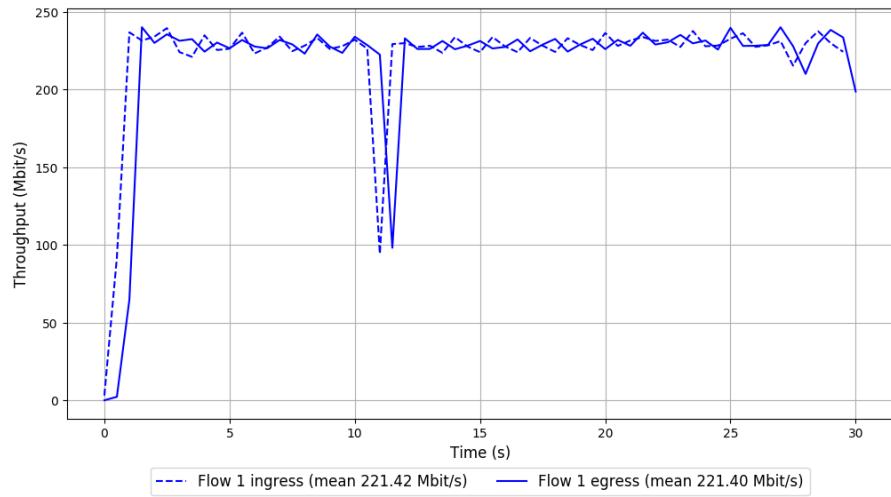


Run 9: Statistics of TCP BBR

```
Start at: 2018-06-07 14:09:10
End at: 2018-06-07 14:09:40
Local clock offset: -0.05 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2018-06-07 15:05:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 221.40 Mbit/s
95th percentile per-packet one-way delay: 56.403 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 221.40 Mbit/s
95th percentile per-packet one-way delay: 56.403 ms
Loss rate: 0.35%
```

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

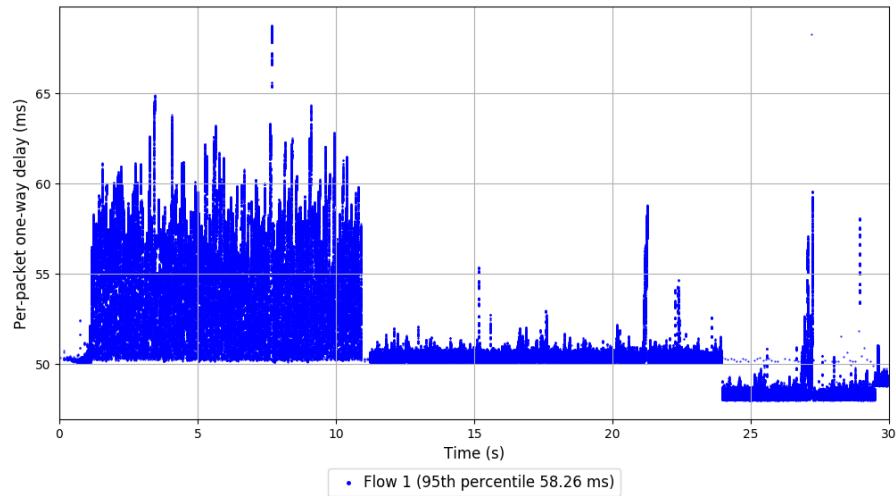
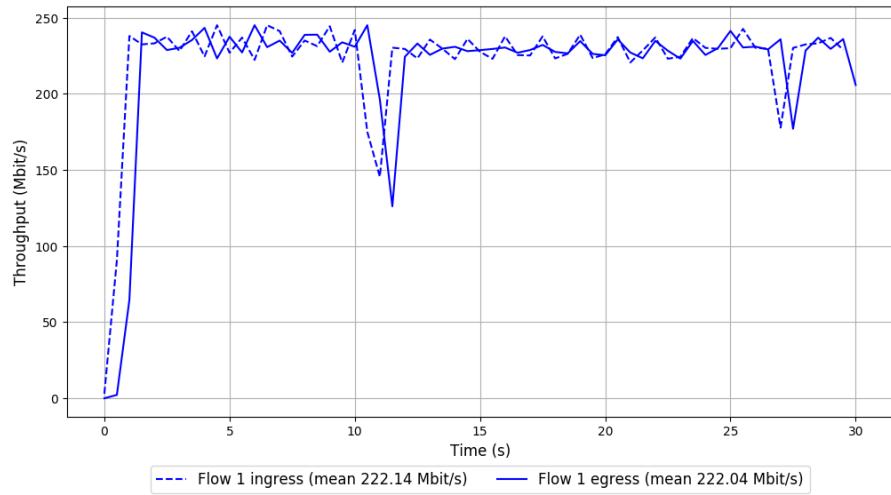


Run 10: Statistics of TCP BBR

```
Start at: 2018-06-07 14:29:20
End at: 2018-06-07 14:29:50
Local clock offset: -0.667 ms
Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2018-06-07 15:05:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.04 Mbit/s
95th percentile per-packet one-way delay: 58.263 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 222.04 Mbit/s
95th percentile per-packet one-way delay: 58.263 ms
Loss rate: 0.36%
```

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

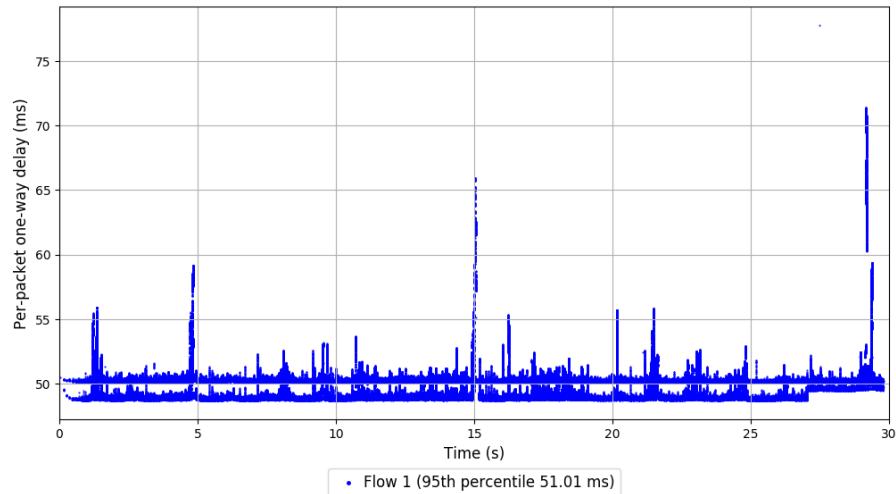
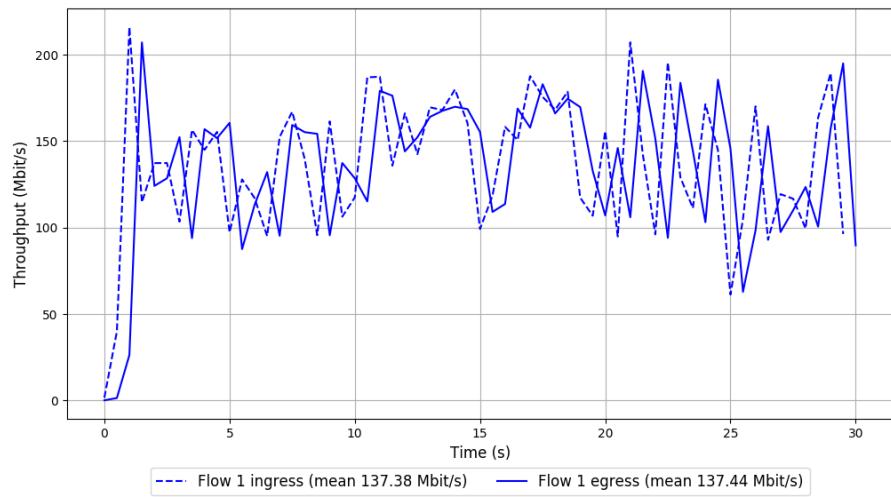


Run 1: Statistics of Copa

```
Start at: 2018-06-07 11:32:42
End at: 2018-06-07 11:33:12
Local clock offset: -0.017 ms
Remote clock offset: 0.17 ms

# Below is generated by plot.py at 2018-06-07 15:05:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 137.44 Mbit/s
95th percentile per-packet one-way delay: 51.010 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 137.44 Mbit/s
95th percentile per-packet one-way delay: 51.010 ms
Loss rate: 0.29%
```

Run 1: Report of Copa — Data Link

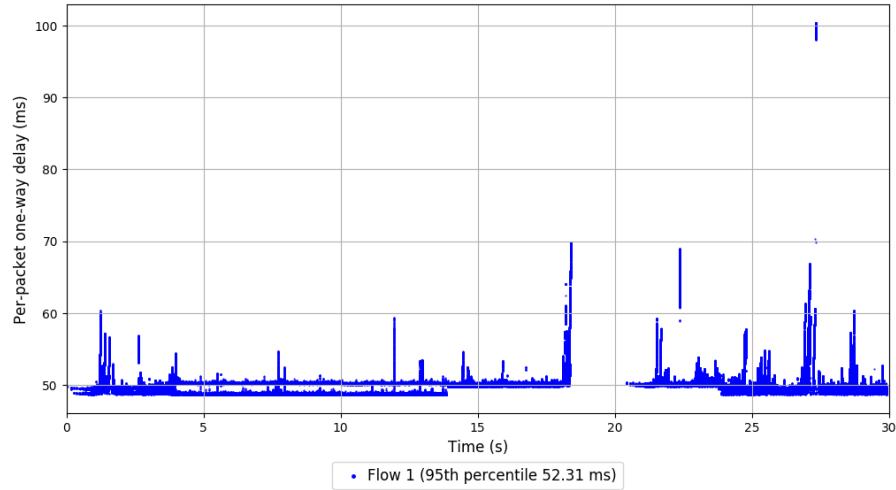
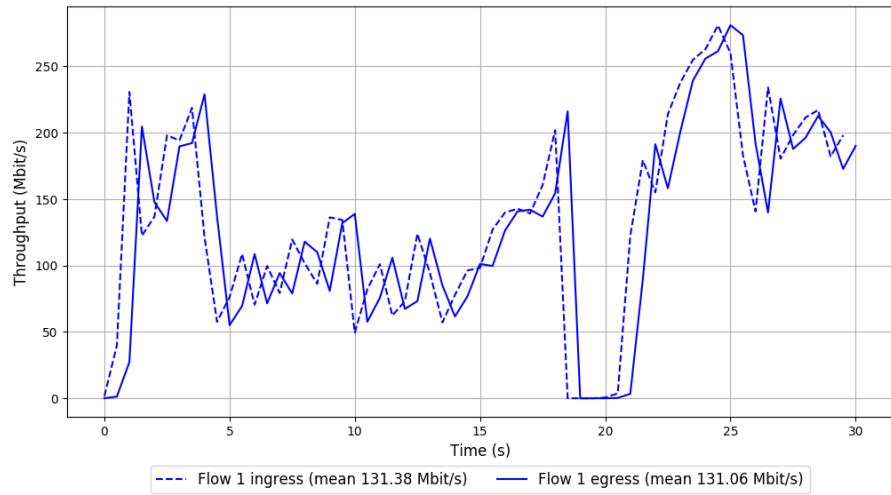


Run 2: Statistics of Copa

```
Start at: 2018-06-07 11:52:56
End at: 2018-06-07 11:53:26
Local clock offset: 0.017 ms
Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2018-06-07 15:05:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 131.06 Mbit/s
95th percentile per-packet one-way delay: 52.314 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 131.06 Mbit/s
95th percentile per-packet one-way delay: 52.314 ms
Loss rate: 0.57%
```

## Run 2: Report of Copa — Data Link

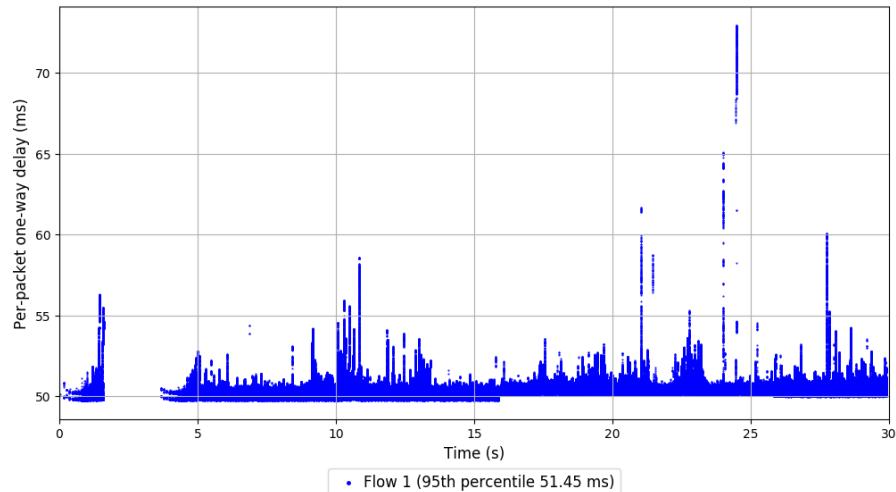
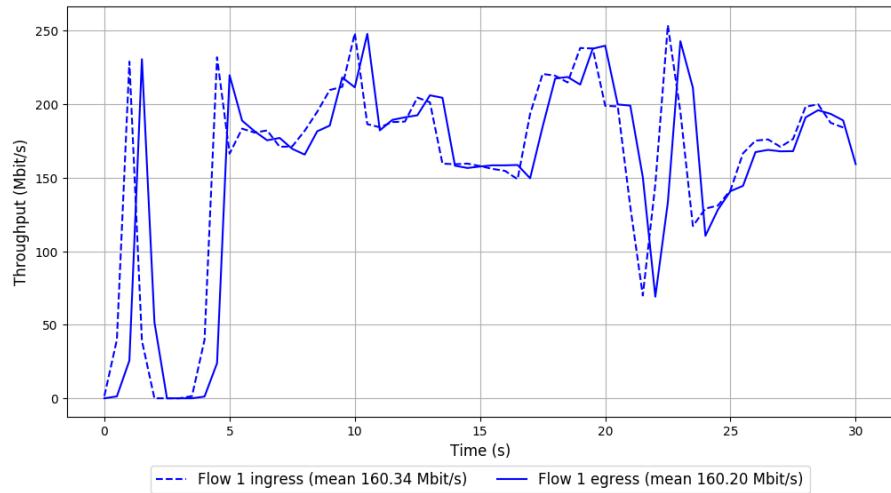


Run 3: Statistics of Copa

```
Start at: 2018-06-07 12:12:54
End at: 2018-06-07 12:13:24
Local clock offset: 0.37 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-06-07 15:06:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 160.20 Mbit/s
95th percentile per-packet one-way delay: 51.449 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 160.20 Mbit/s
95th percentile per-packet one-way delay: 51.449 ms
Loss rate: 0.41%
```

### Run 3: Report of Copa — Data Link

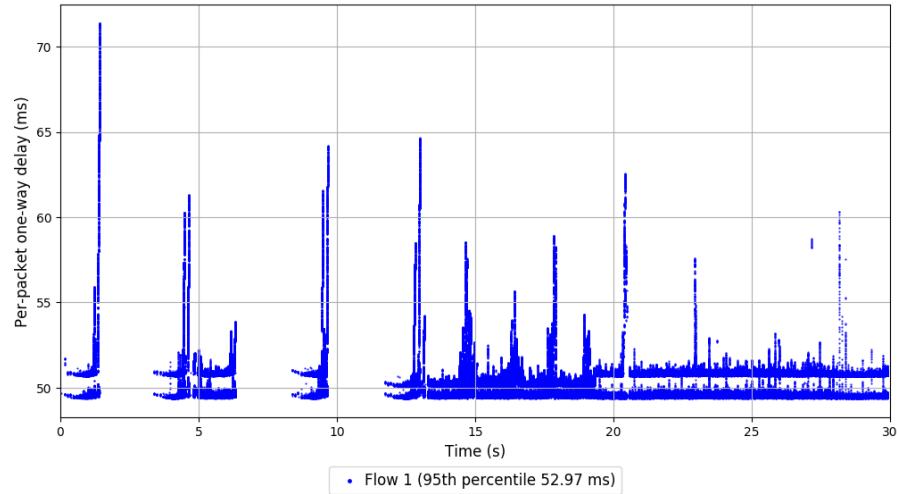
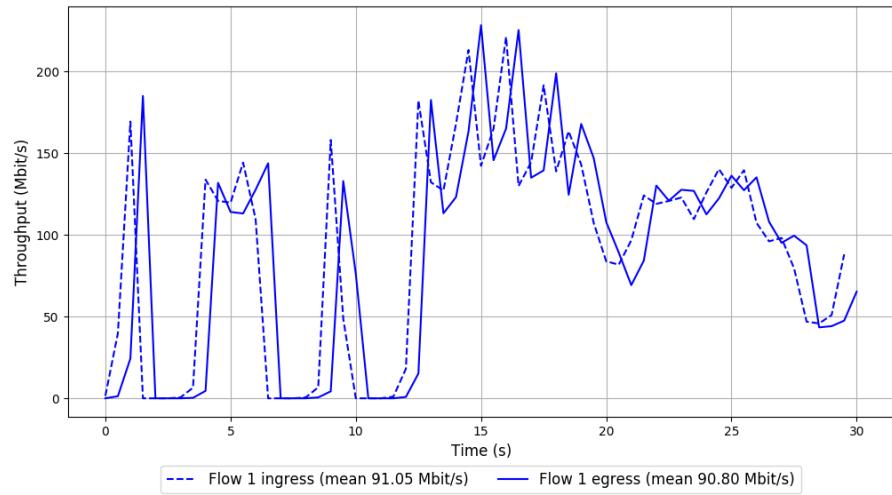


Run 4: Statistics of Copa

```
Start at: 2018-06-07 12:33:20
End at: 2018-06-07 12:33:50
Local clock offset: -0.002 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-06-07 15:06:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: 52.974 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 90.80 Mbit/s
95th percentile per-packet one-way delay: 52.974 ms
Loss rate: 0.60%
```

## Run 4: Report of Copa — Data Link

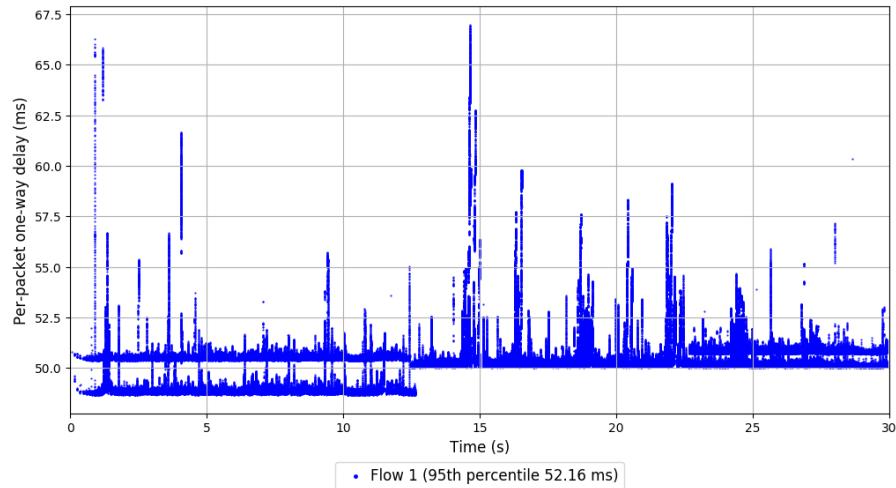
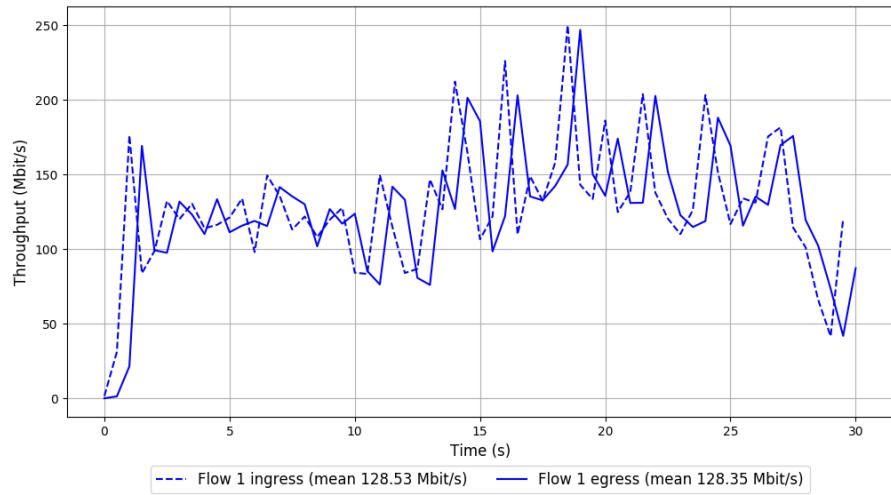


Run 5: Statistics of Copa

```
Start at: 2018-06-07 12:53:17
End at: 2018-06-07 12:53:47
Local clock offset: -0.006 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-06-07 15:06:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 128.35 Mbit/s
95th percentile per-packet one-way delay: 52.159 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 128.35 Mbit/s
95th percentile per-packet one-way delay: 52.159 ms
Loss rate: 0.50%
```

### Run 5: Report of Copa — Data Link

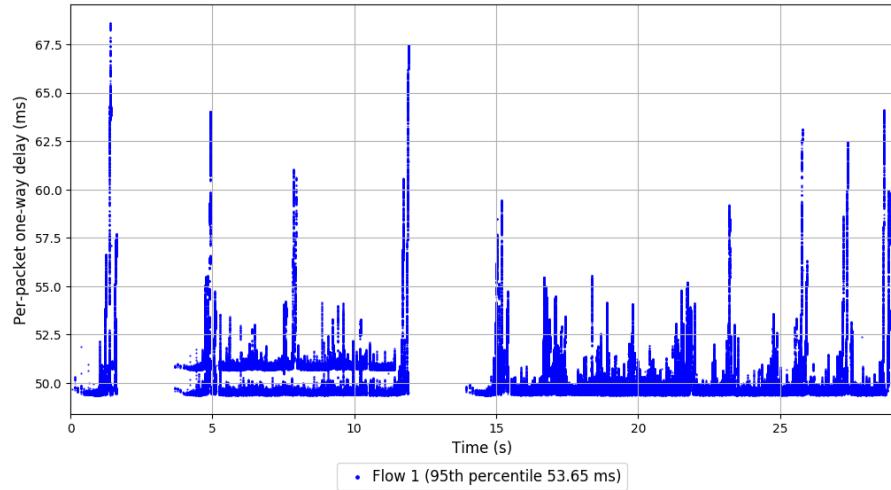
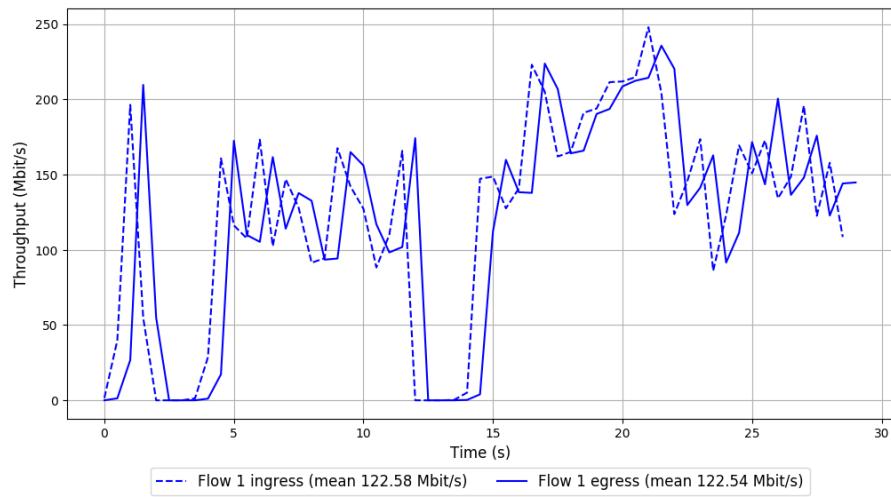


Run 6: Statistics of Copa

```
Start at: 2018-06-07 13:13:38
End at: 2018-06-07 13:14:08
Local clock offset: -0.002 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-06-07 15:06:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 122.54 Mbit/s
95th percentile per-packet one-way delay: 53.650 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 122.54 Mbit/s
95th percentile per-packet one-way delay: 53.650 ms
Loss rate: 0.00%
```

### Run 6: Report of Copa — Data Link

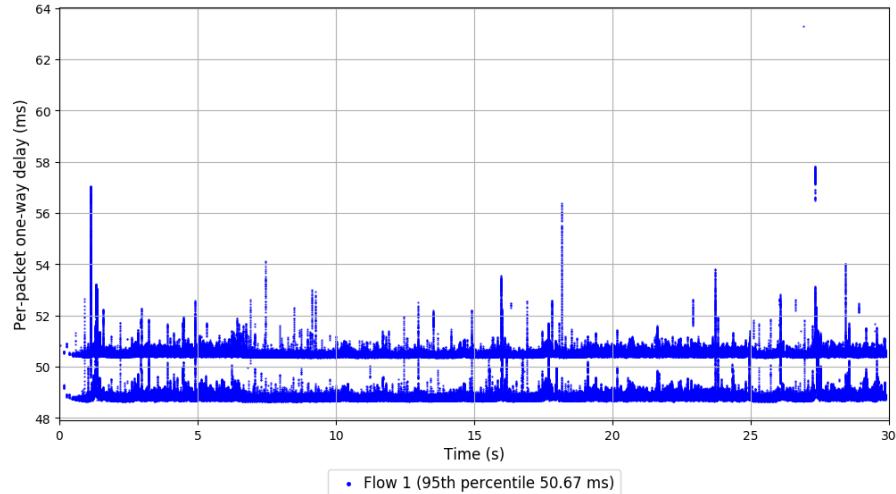
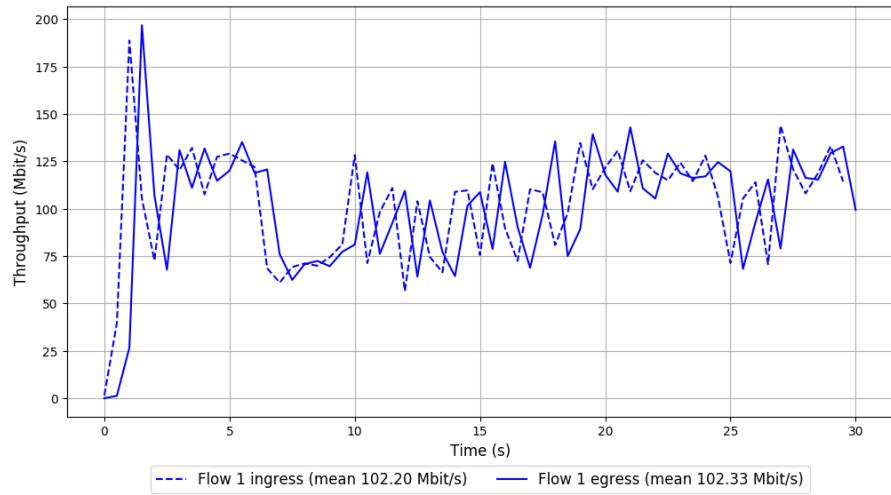


Run 7: Statistics of Copa

```
Start at: 2018-06-07 13:33:51
End at: 2018-06-07 13:34:21
Local clock offset: -0.035 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-06-07 15:07:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 102.33 Mbit/s
95th percentile per-packet one-way delay: 50.674 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 102.33 Mbit/s
95th percentile per-packet one-way delay: 50.674 ms
Loss rate: 0.38%
```

### Run 7: Report of Copa — Data Link

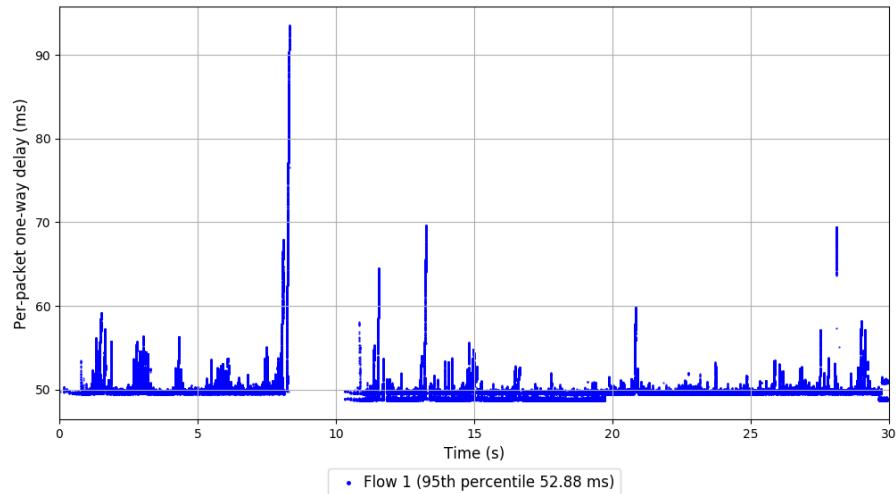
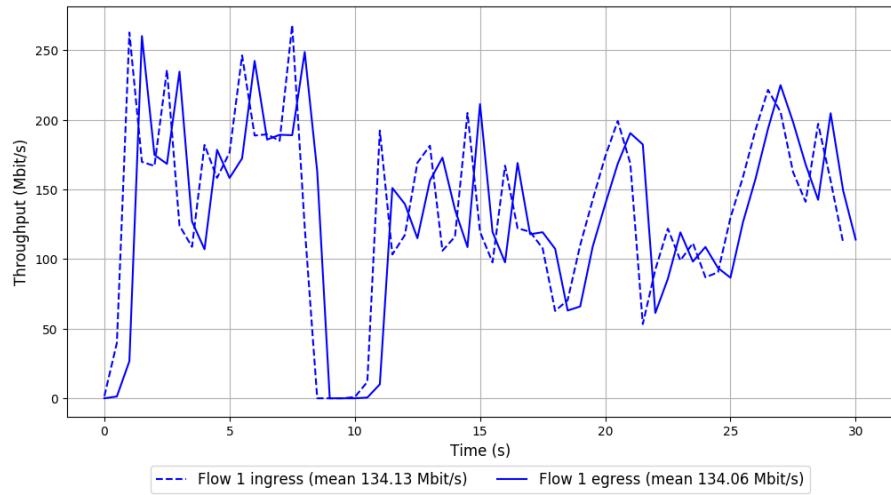


Run 8: Statistics of Copa

```
Start at: 2018-06-07 13:53:50
End at: 2018-06-07 13:54:20
Local clock offset: -0.091 ms
Remote clock offset: -0.137 ms

# Below is generated by plot.py at 2018-06-07 15:09:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 134.06 Mbit/s
95th percentile per-packet one-way delay: 52.880 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 134.06 Mbit/s
95th percentile per-packet one-way delay: 52.880 ms
Loss rate: 0.18%
```

Run 8: Report of Copa — Data Link

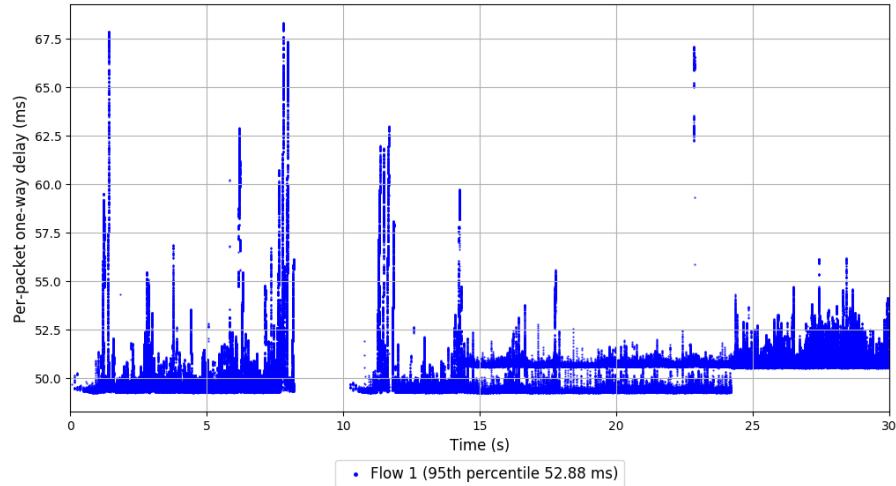
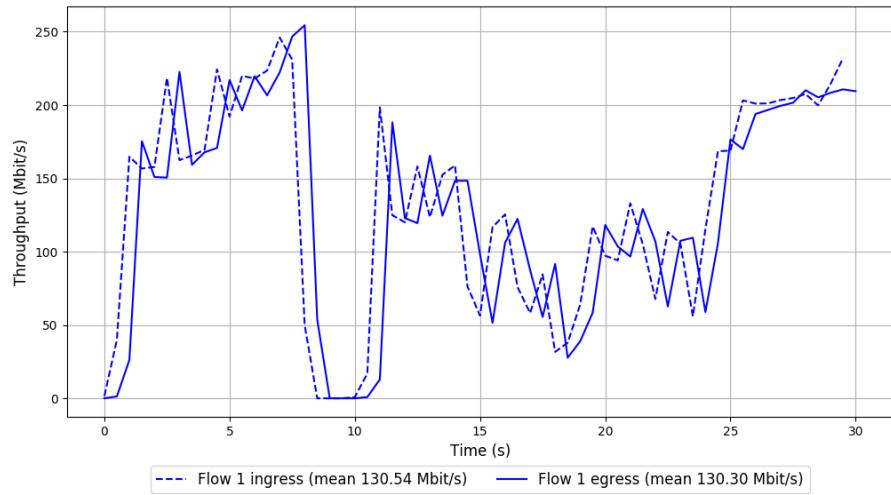


Run 9: Statistics of Copa

```
Start at: 2018-06-07 14:13:55
End at: 2018-06-07 14:14:25
Local clock offset: -0.222 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-06-07 15:09:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 130.30 Mbit/s
95th percentile per-packet one-way delay: 52.875 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 130.30 Mbit/s
95th percentile per-packet one-way delay: 52.875 ms
Loss rate: 0.52%
```

### Run 9: Report of Copa — Data Link

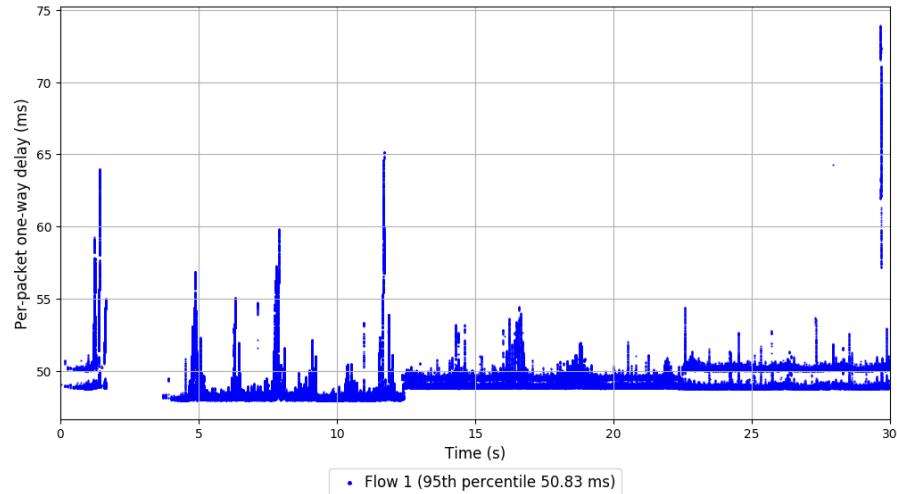
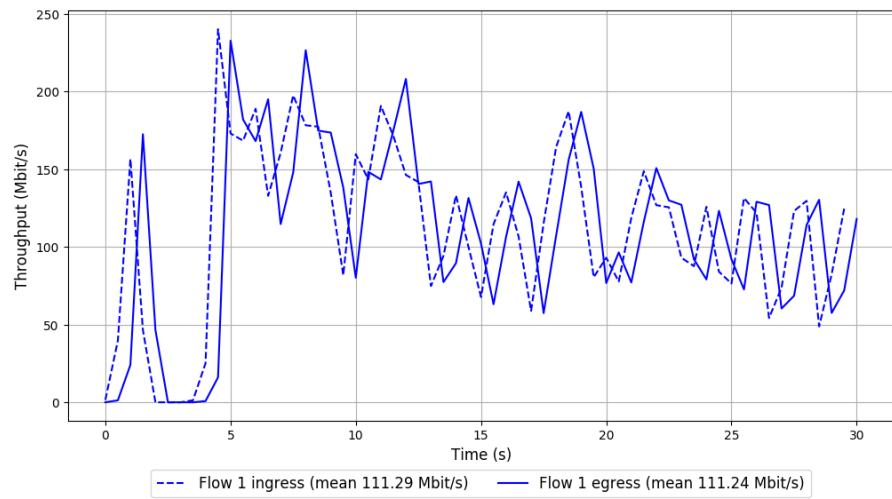


Run 10: Statistics of Copa

```
Start at: 2018-06-07 14:34:07
End at: 2018-06-07 14:34:37
Local clock offset: -0.697 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-06-07 15:09:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 111.24 Mbit/s
95th percentile per-packet one-way delay: 50.827 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 111.24 Mbit/s
95th percentile per-packet one-way delay: 50.827 ms
Loss rate: 0.38%
```

## Run 10: Report of Copa — Data Link

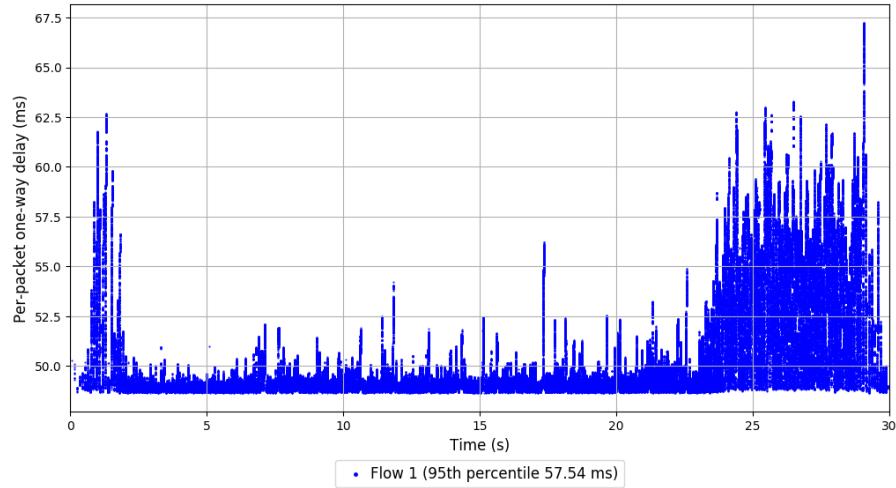
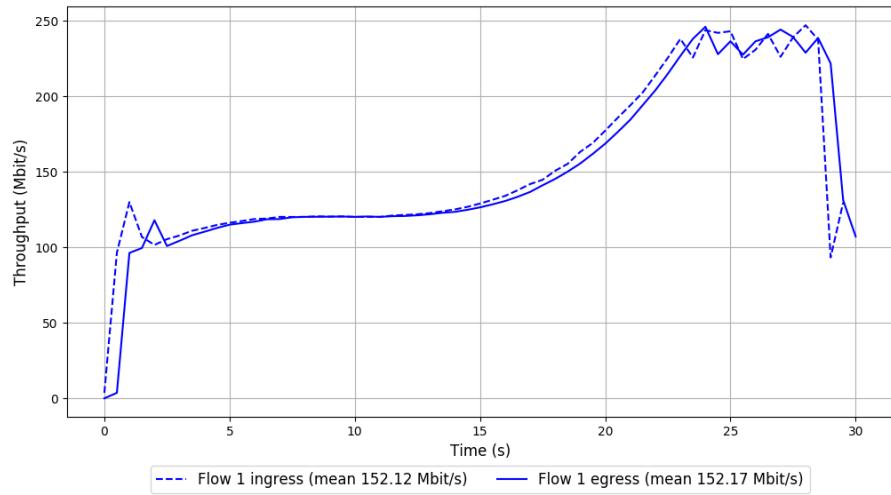


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-06-07 11:36:11
End at: 2018-06-07 11:36:41
Local clock offset: -0.035 ms
Remote clock offset: 0.222 ms

# Below is generated by plot.py at 2018-06-07 15:09:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 152.17 Mbit/s
95th percentile per-packet one-way delay: 57.540 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 152.17 Mbit/s
95th percentile per-packet one-way delay: 57.540 ms
Loss rate: 0.30%
```

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

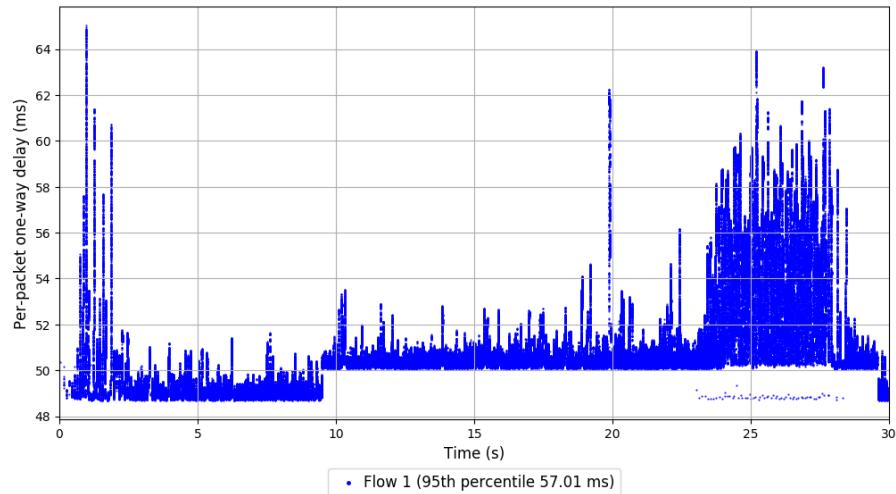
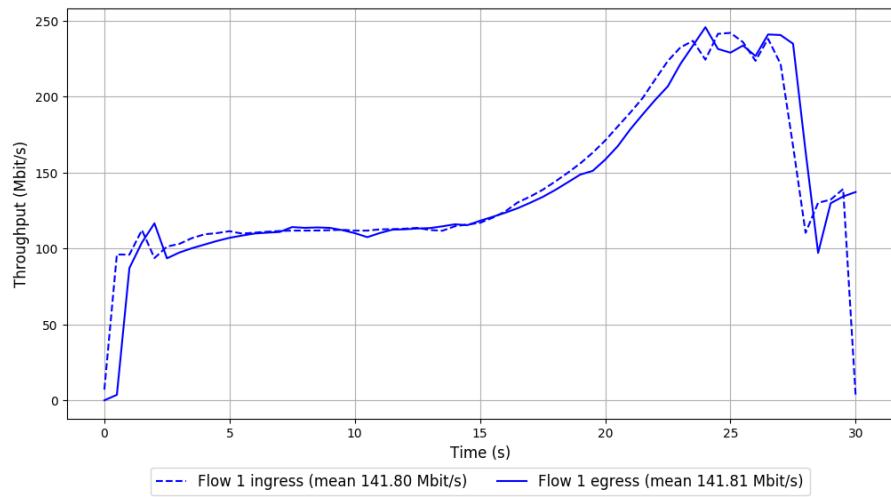


Run 2: Statistics of TCP Cubic

```
Start at: 2018-06-07 11:56:30
End at: 2018-06-07 11:57:00
Local clock offset: -0.01 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2018-06-07 15:09:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 141.81 Mbit/s
95th percentile per-packet one-way delay: 57.009 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 141.81 Mbit/s
95th percentile per-packet one-way delay: 57.009 ms
Loss rate: 0.33%
```

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

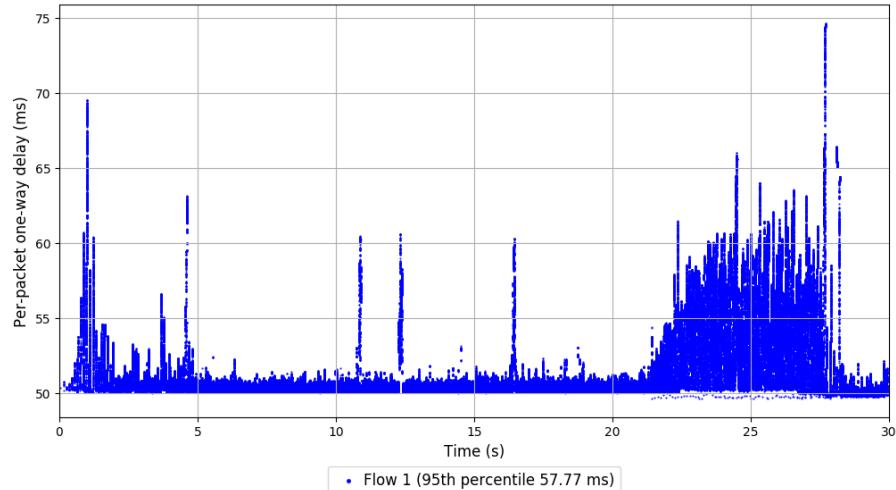
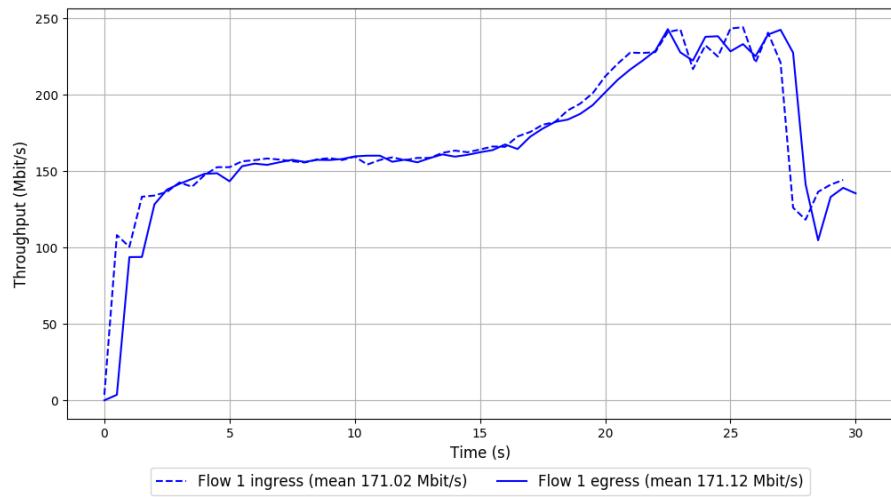


Run 3: Statistics of TCP Cubic

```
Start at: 2018-06-07 12:16:33
End at: 2018-06-07 12:17:03
Local clock offset: 0.007 ms
Remote clock offset: -0.022 ms

# Below is generated by plot.py at 2018-06-07 15:09:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 171.12 Mbit/s
95th percentile per-packet one-way delay: 57.768 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 171.12 Mbit/s
95th percentile per-packet one-way delay: 57.768 ms
Loss rate: 0.28%
```

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

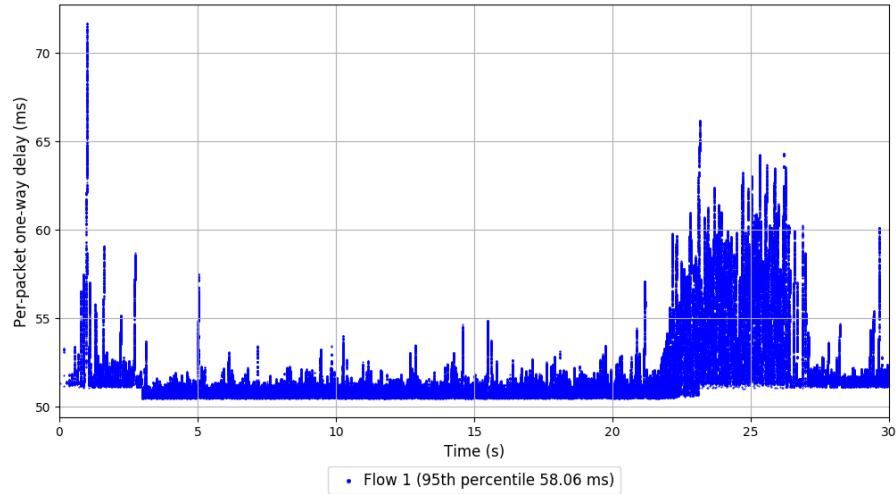
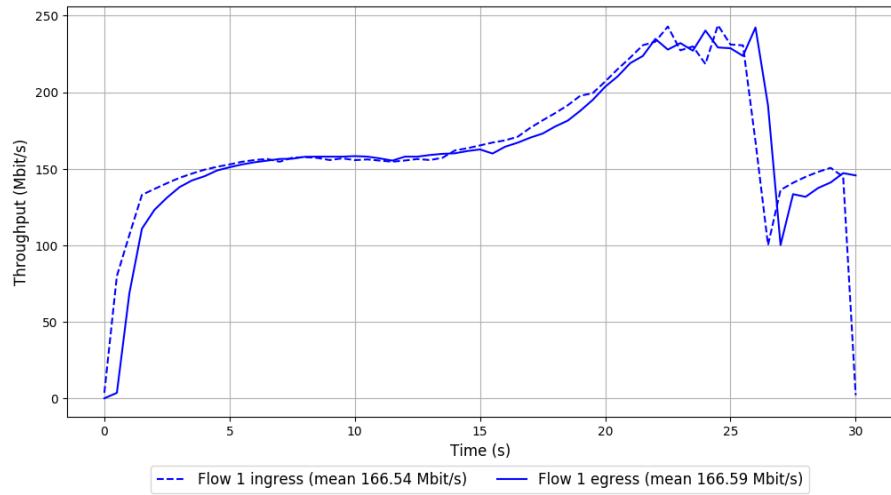


Run 4: Statistics of TCP Cubic

```
Start at: 2018-06-07 12:36:47
End at: 2018-06-07 12:37:17
Local clock offset: 0.386 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-06-07 15:09:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 166.59 Mbit/s
95th percentile per-packet one-way delay: 58.057 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 166.59 Mbit/s
95th percentile per-packet one-way delay: 58.057 ms
Loss rate: 0.31%
```

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

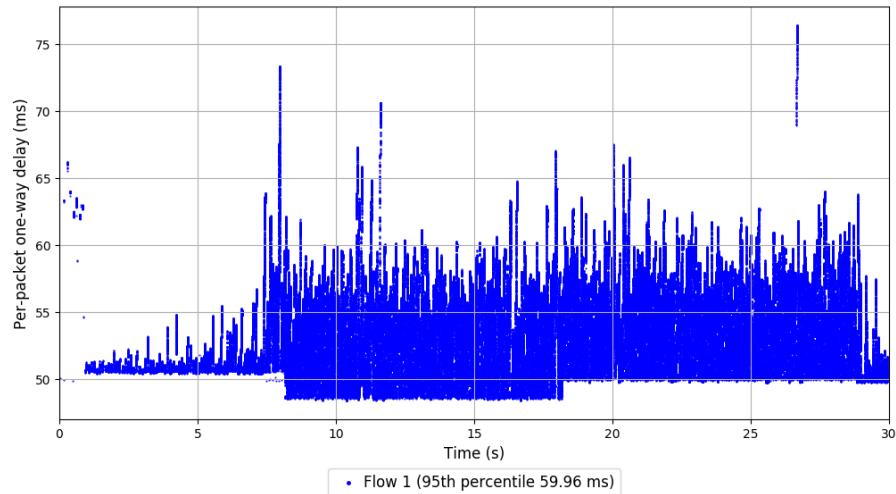
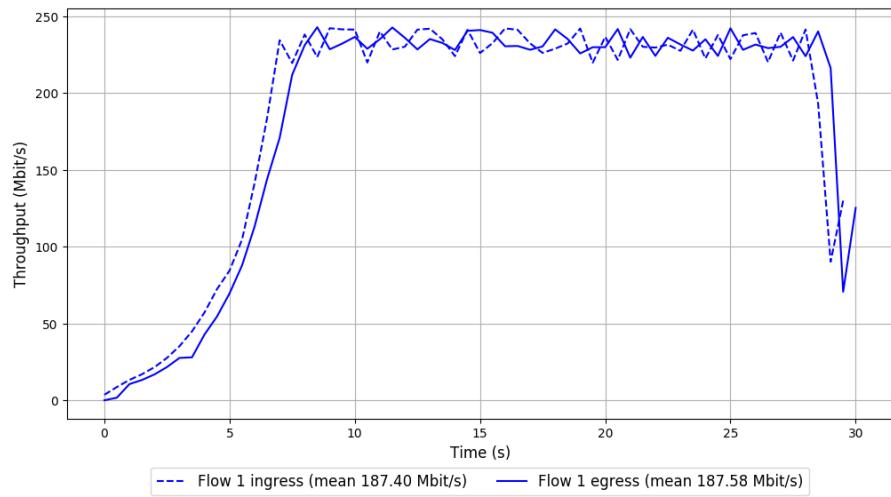


Run 5: Statistics of TCP Cubic

```
Start at: 2018-06-07 12:56:51
End at: 2018-06-07 12:57:22
Local clock offset: -0.335 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2018-06-07 15:11:11
# Datalink statistics
-- Total of 1 flow:
Average throughput: 187.58 Mbit/s
95th percentile per-packet one-way delay: 59.963 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 187.58 Mbit/s
95th percentile per-packet one-way delay: 59.963 ms
Loss rate: 0.24%
```

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

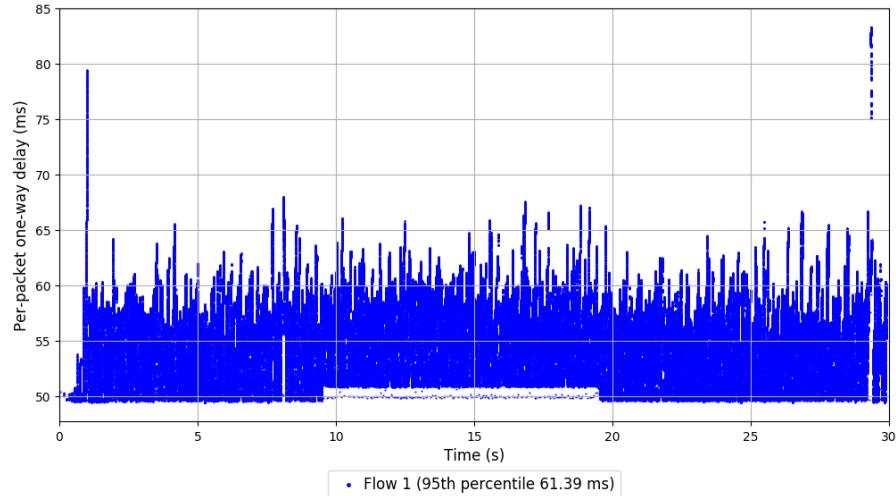
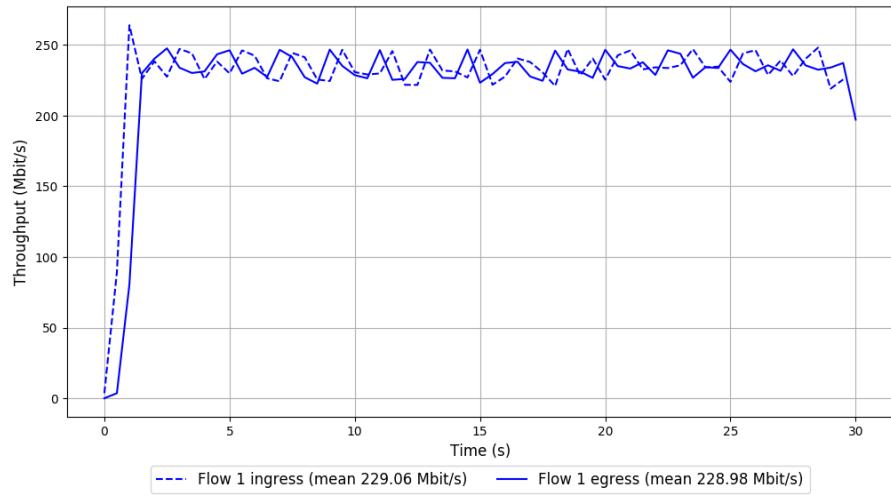


Run 6: Statistics of TCP Cubic

```
Start at: 2018-06-07 13:17:10
End at: 2018-06-07 13:17:40
Local clock offset: 0.039 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-06-07 15:11:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 228.98 Mbit/s
95th percentile per-packet one-way delay: 61.388 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 228.98 Mbit/s
95th percentile per-packet one-way delay: 61.388 ms
Loss rate: 0.36%
```

Run 6: Report of TCP Cubic — Data Link

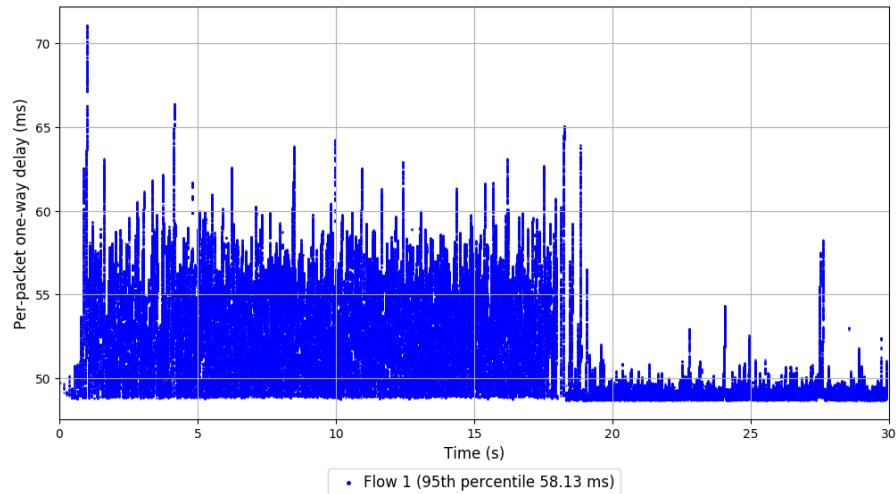
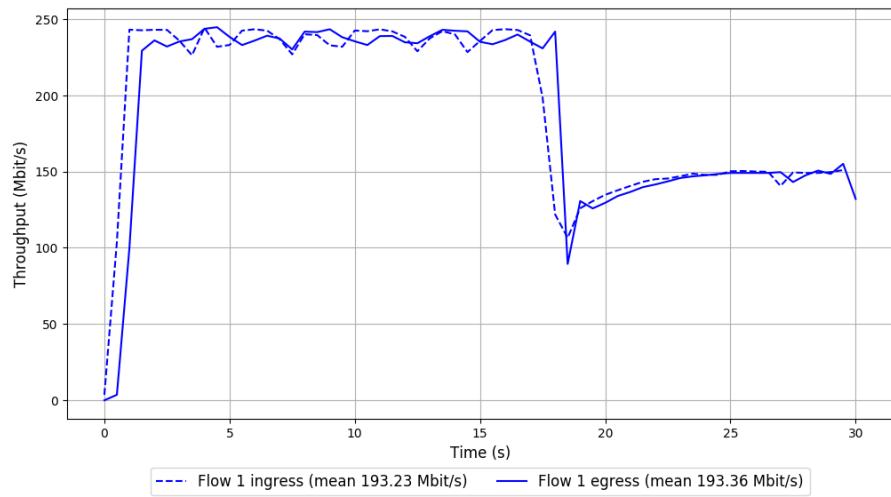


Run 7: Statistics of TCP Cubic

```
Start at: 2018-06-07 13:37:18
End at: 2018-06-07 13:37:48
Local clock offset: -0.058 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2018-06-07 15:11:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 193.36 Mbit/s
95th percentile per-packet one-way delay: 58.133 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 193.36 Mbit/s
95th percentile per-packet one-way delay: 58.133 ms
Loss rate: 0.26%
```

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

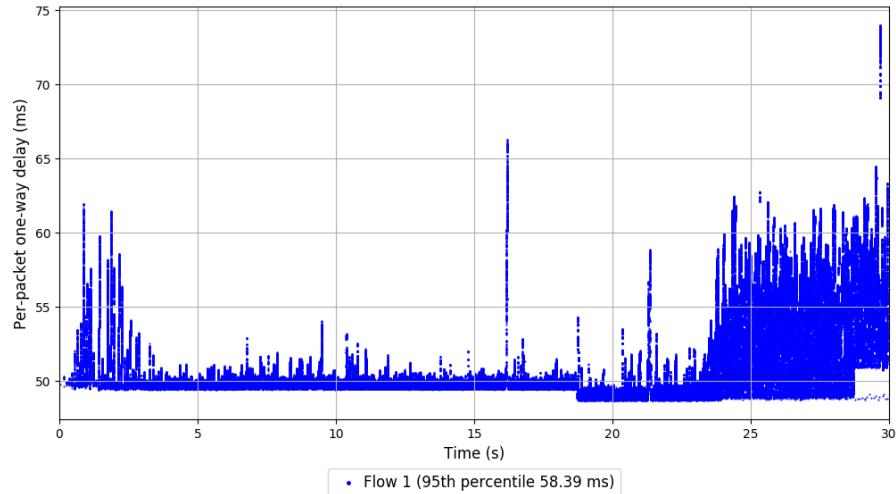
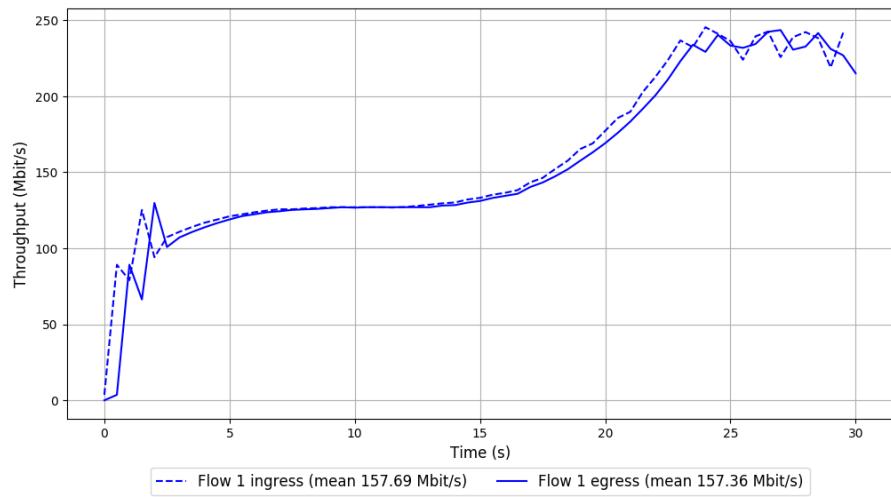


Run 8: Statistics of TCP Cubic

```
Start at: 2018-06-07 13:57:21
End at: 2018-06-07 13:57:51
Local clock offset: -0.108 ms
Remote clock offset: -0.125 ms

# Below is generated by plot.py at 2018-06-07 15:11:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 157.36 Mbit/s
95th percentile per-packet one-way delay: 58.388 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 157.36 Mbit/s
95th percentile per-packet one-way delay: 58.388 ms
Loss rate: 0.53%
```

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

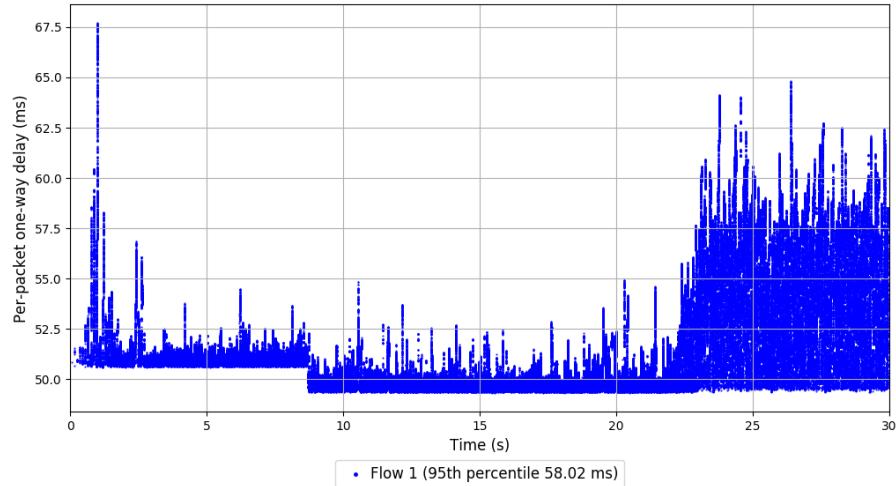
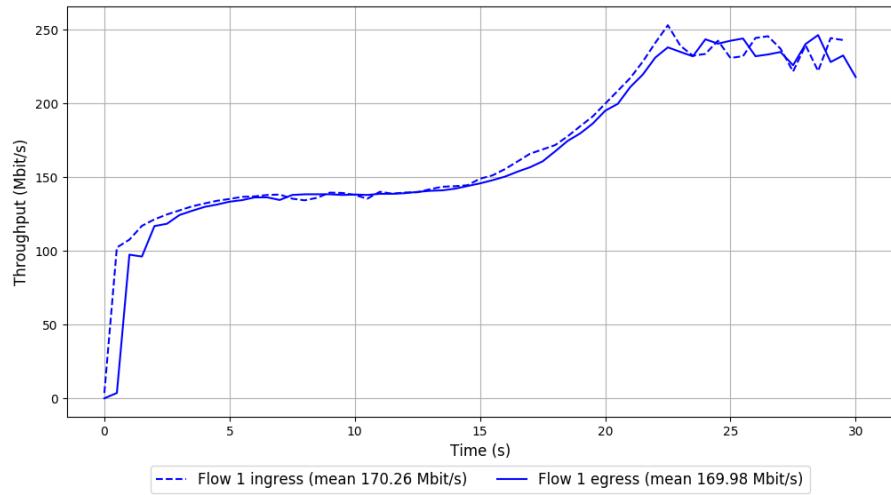


Run 9: Statistics of TCP Cubic

```
Start at: 2018-06-07 14:17:31
End at: 2018-06-07 14:18:01
Local clock offset: -0.207 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2018-06-07 15:11:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 169.98 Mbit/s
95th percentile per-packet one-way delay: 58.025 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 169.98 Mbit/s
95th percentile per-packet one-way delay: 58.025 ms
Loss rate: 0.48%
```

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

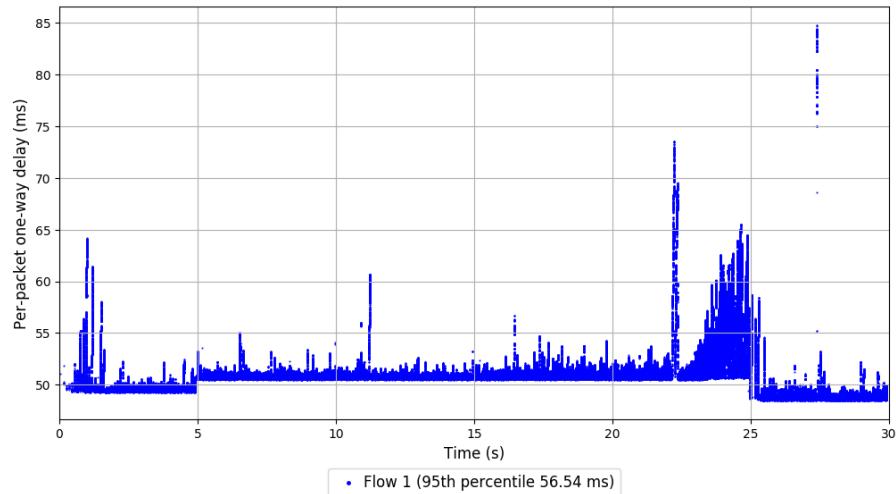
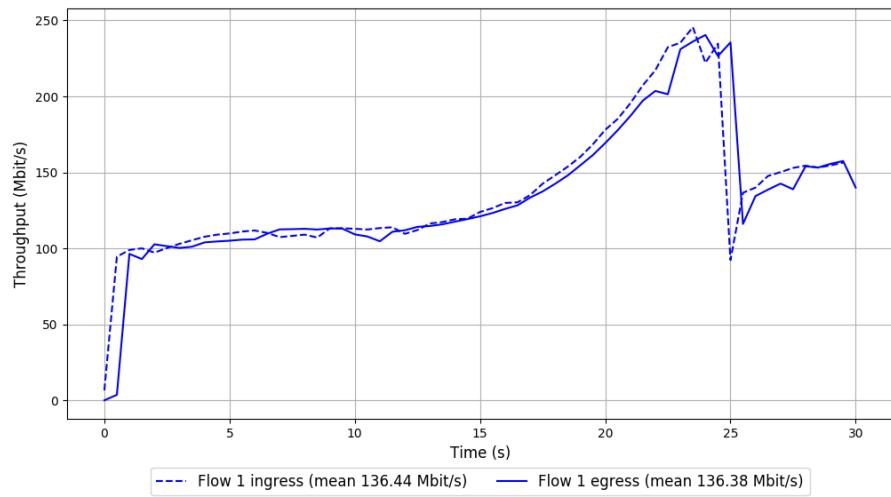


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-06-07 14:37:35
End at: 2018-06-07 14:38:05
Local clock offset: -0.225 ms
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2018-06-07 15:11:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 136.38 Mbit/s
95th percentile per-packet one-way delay: 56.543 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 136.38 Mbit/s
95th percentile per-packet one-way delay: 56.543 ms
Loss rate: 0.38%
```

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

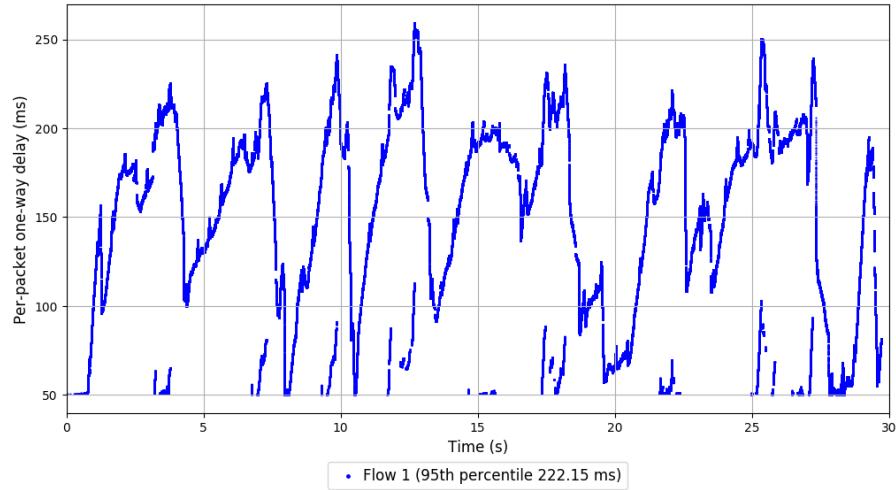
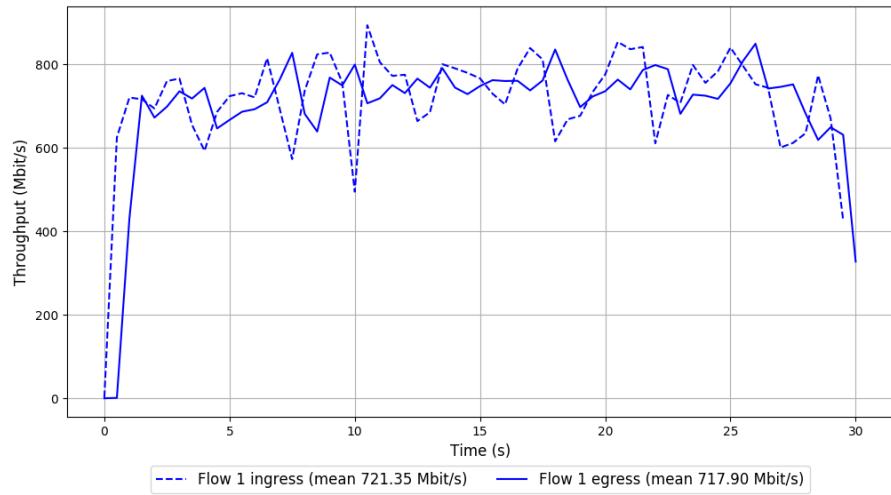


```
Run 1: Statistics of FillP
```

```
Start at: 2018-06-07 11:44:15
End at: 2018-06-07 11:44:45
Local clock offset: -0.028 ms
Remote clock offset: 0.119 ms

# Below is generated by plot.py at 2018-06-07 15:23:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 717.90 Mbit/s
95th percentile per-packet one-way delay: 222.151 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 717.90 Mbit/s
95th percentile per-packet one-way delay: 222.151 ms
Loss rate: 0.82%
```

Run 1: Report of FillP — Data Link

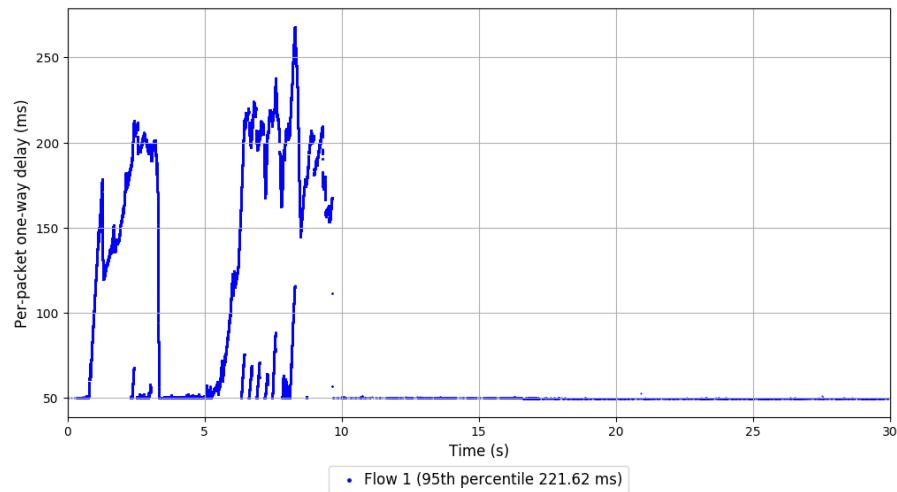
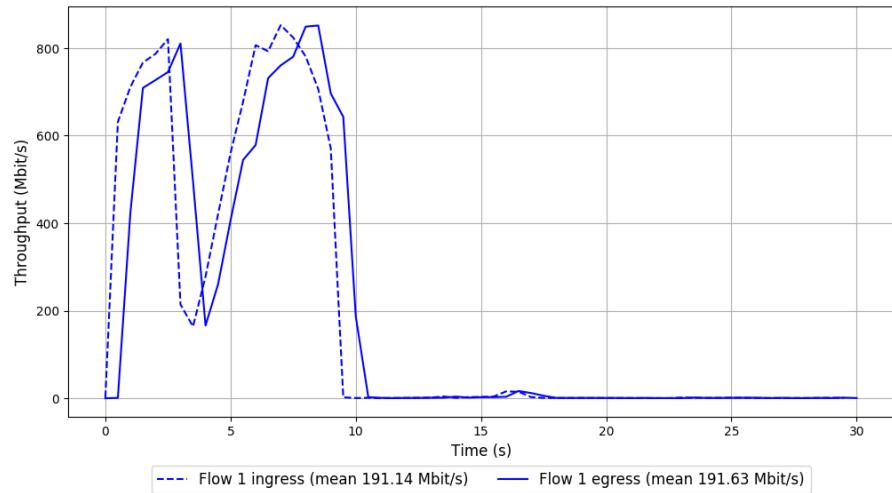


Run 2: Statistics of FillP

```
Start at: 2018-06-07 12:04:23
End at: 2018-06-07 12:04:53
Local clock offset: -0.019 ms
Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2018-06-07 15:23:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.63 Mbit/s
95th percentile per-packet one-way delay: 221.623 ms
Loss rate: 0.00%
-- Flow 1:
Average throughput: 191.63 Mbit/s
95th percentile per-packet one-way delay: 221.623 ms
Loss rate: 0.00%
```

## Run 2: Report of FillP — Data Link

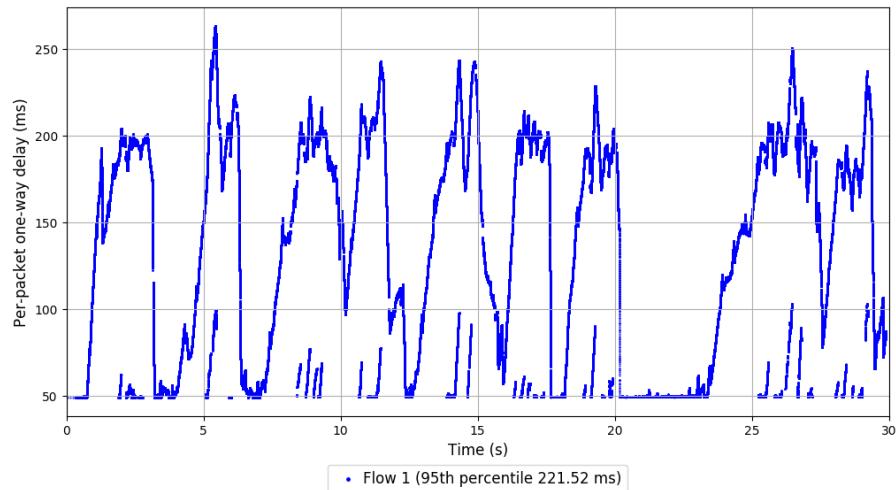
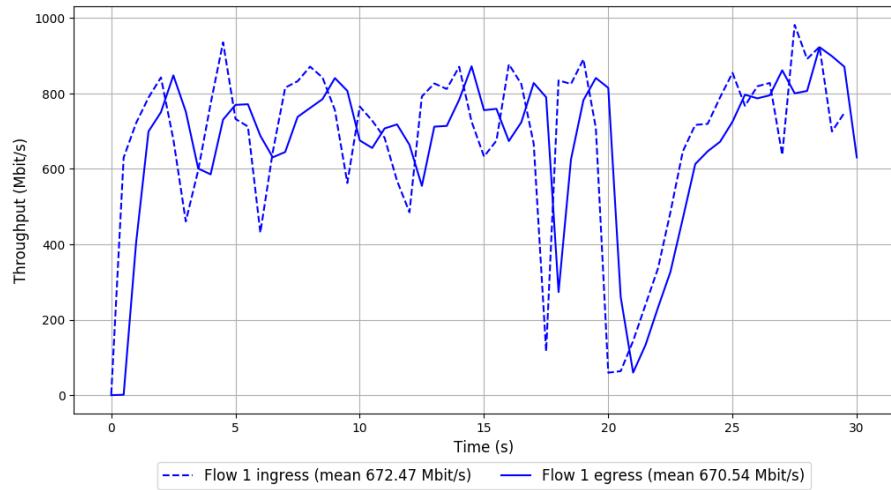


Run 3: Statistics of FillP

```
Start at: 2018-06-07 12:24:32
End at: 2018-06-07 12:25:02
Local clock offset: -0.365 ms
Remote clock offset: -0.069 ms

# Below is generated by plot.py at 2018-06-07 15:24:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 670.54 Mbit/s
95th percentile per-packet one-way delay: 221.517 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 670.54 Mbit/s
95th percentile per-packet one-way delay: 221.517 ms
Loss rate: 0.62%
```

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

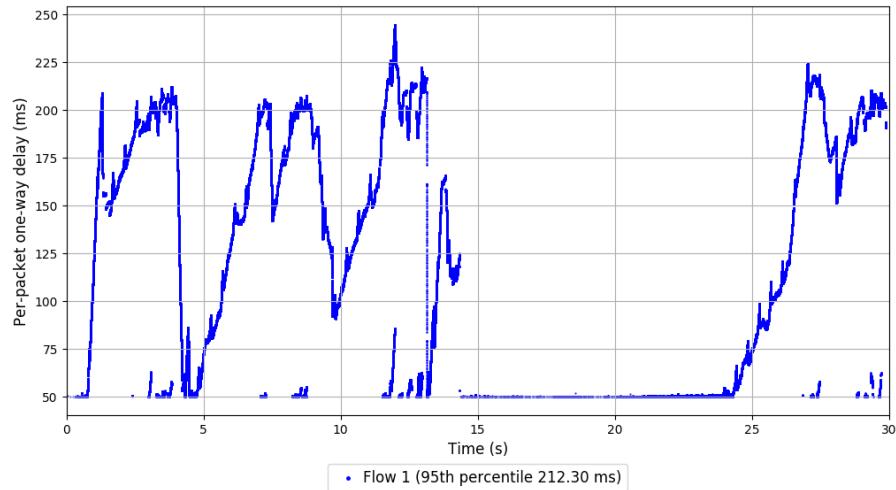
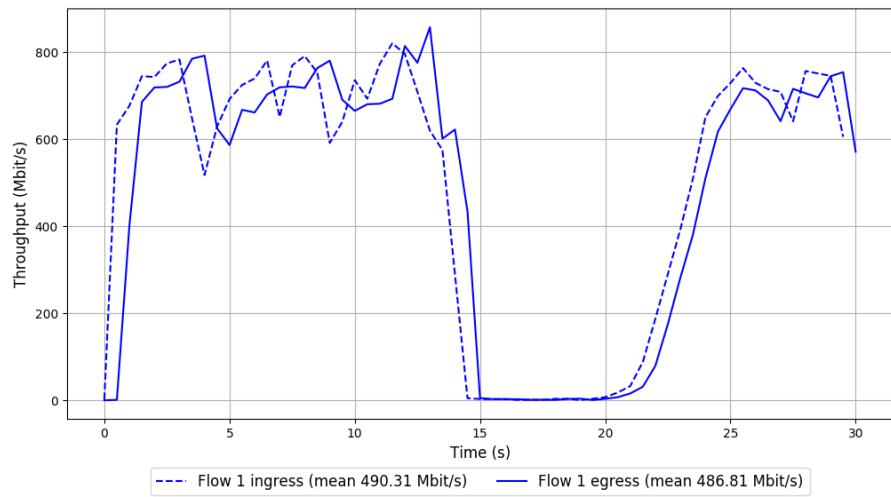


Run 4: Statistics of FillP

```
Start at: 2018-06-07 12:44:37
End at: 2018-06-07 12:45:07
Local clock offset: 0.013 ms
Remote clock offset: -0.032 ms

# Below is generated by plot.py at 2018-06-07 15:24:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 486.81 Mbit/s
95th percentile per-packet one-way delay: 212.298 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 486.81 Mbit/s
95th percentile per-packet one-way delay: 212.298 ms
Loss rate: 1.05%
```

## Run 4: Report of FillP — Data Link

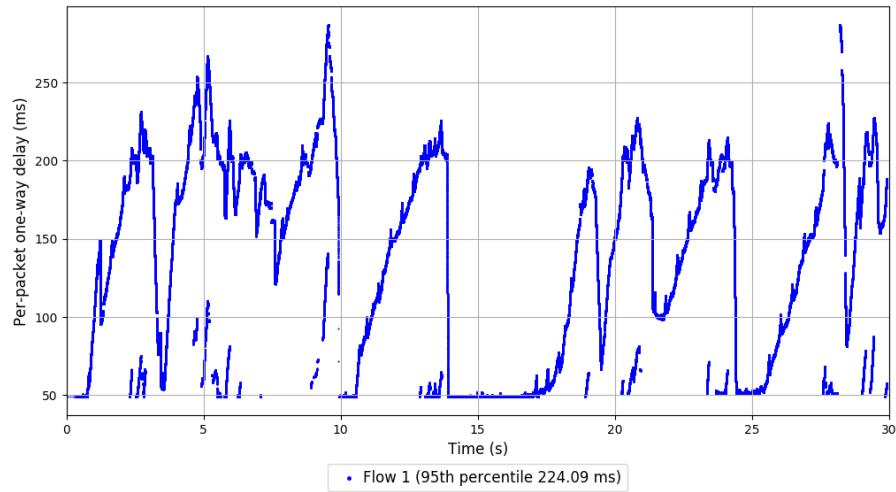
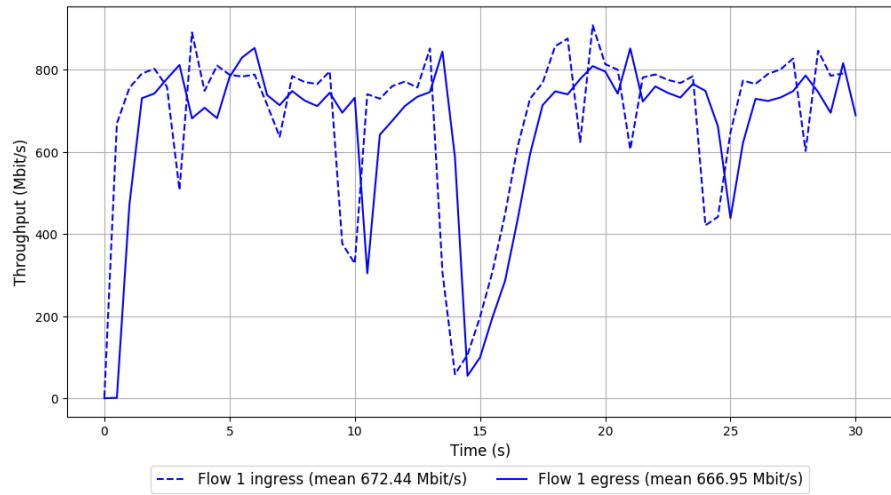


Run 5: Statistics of FillP

```
Start at: 2018-06-07 13:04:51
End at: 2018-06-07 13:05:21
Local clock offset: 0.021 ms
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-06-07 15:24:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 666.95 Mbit/s
95th percentile per-packet one-way delay: 224.092 ms
Loss rate: 1.14%
-- Flow 1:
Average throughput: 666.95 Mbit/s
95th percentile per-packet one-way delay: 224.092 ms
Loss rate: 1.14%
```

Run 5: Report of FillP — Data Link

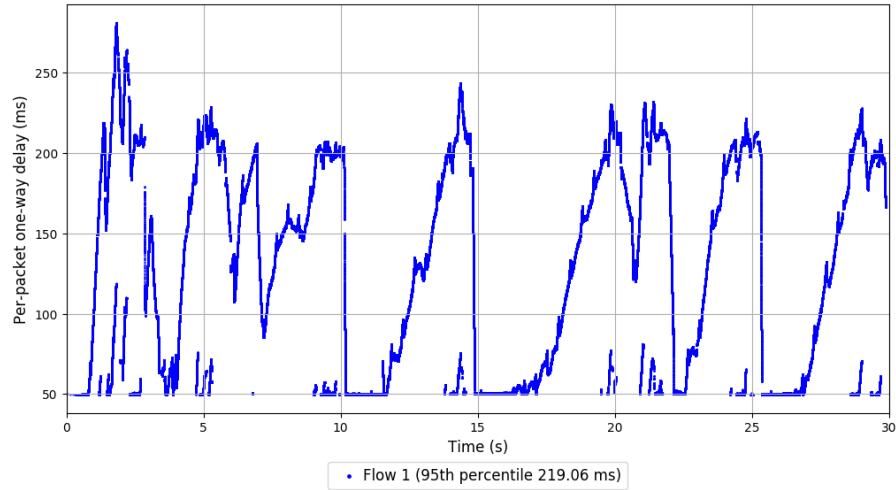
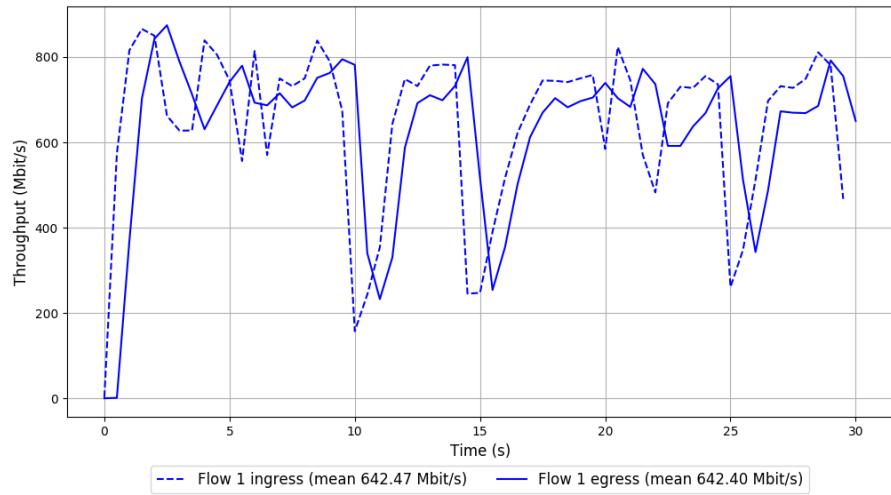


Run 6: Statistics of FillP

```
Start at: 2018-06-07 13:25:07
End at: 2018-06-07 13:25:37
Local clock offset: 0.007 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2018-06-07 15:24:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 642.40 Mbit/s
95th percentile per-packet one-way delay: 219.064 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 642.40 Mbit/s
95th percentile per-packet one-way delay: 219.064 ms
Loss rate: 0.35%
```

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

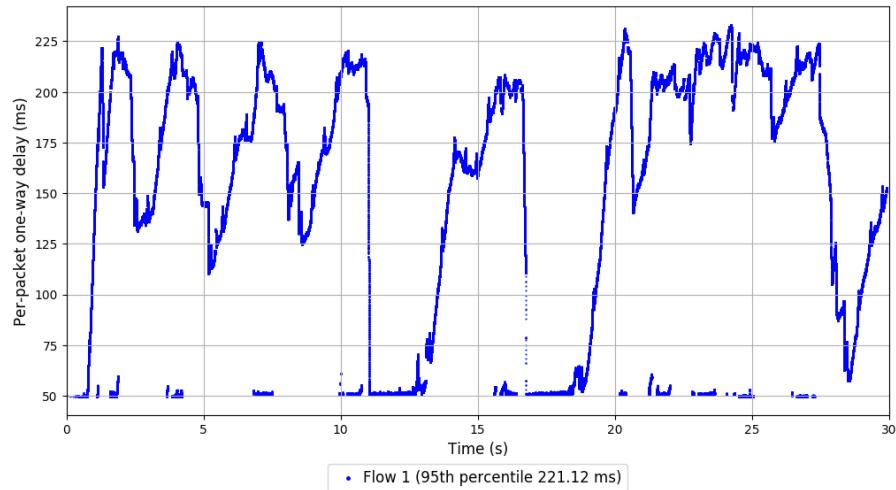
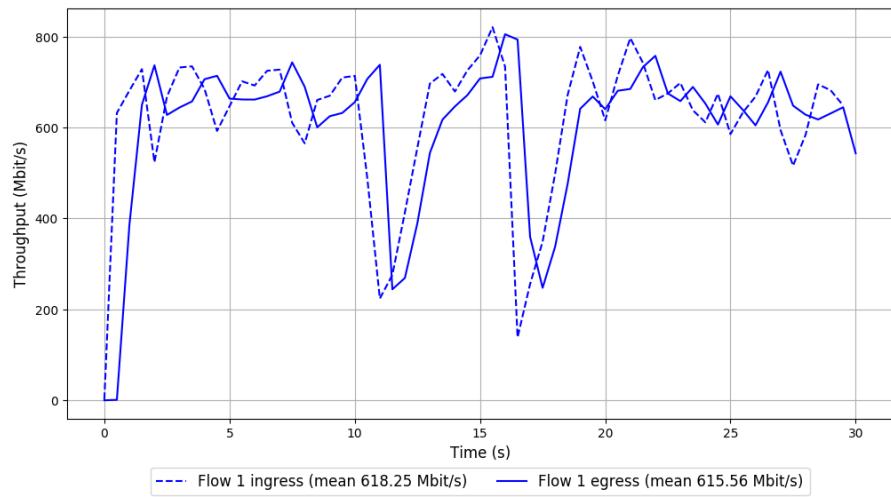


Run 7: Statistics of FillP

```
Start at: 2018-06-07 13:45:05
End at: 2018-06-07 13:45:35
Local clock offset: -0.012 ms
Remote clock offset: -0.085 ms

# Below is generated by plot.py at 2018-06-07 15:24:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 615.56 Mbit/s
95th percentile per-packet one-way delay: 221.121 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 615.56 Mbit/s
95th percentile per-packet one-way delay: 221.121 ms
Loss rate: 0.77%
```

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

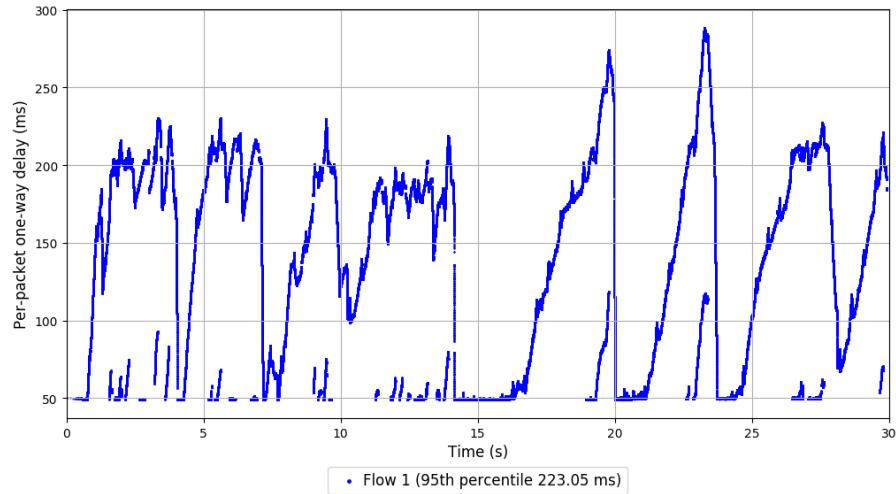
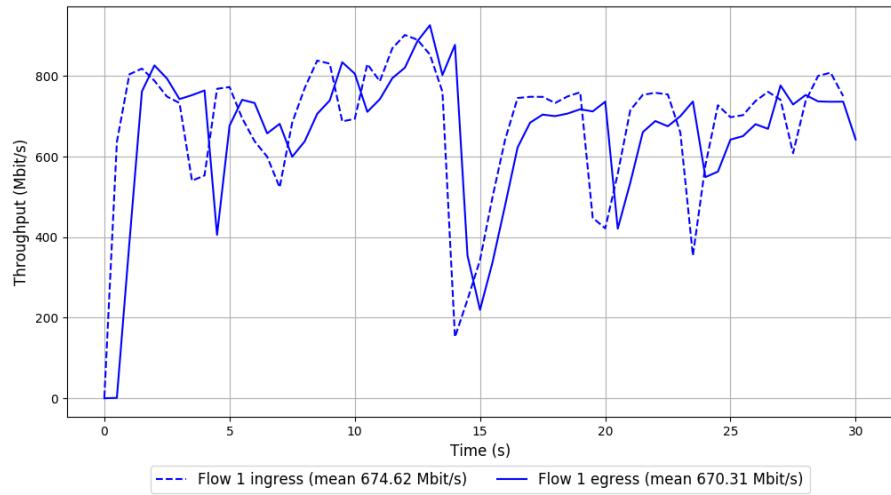


Run 8: Statistics of FillP

```
Start at: 2018-06-07 14:05:09
End at: 2018-06-07 14:05:39
Local clock offset: -0.418 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-06-07 15:24:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 670.31 Mbit/s
95th percentile per-packet one-way delay: 223.053 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 670.31 Mbit/s
95th percentile per-packet one-way delay: 223.053 ms
Loss rate: 0.97%
```

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

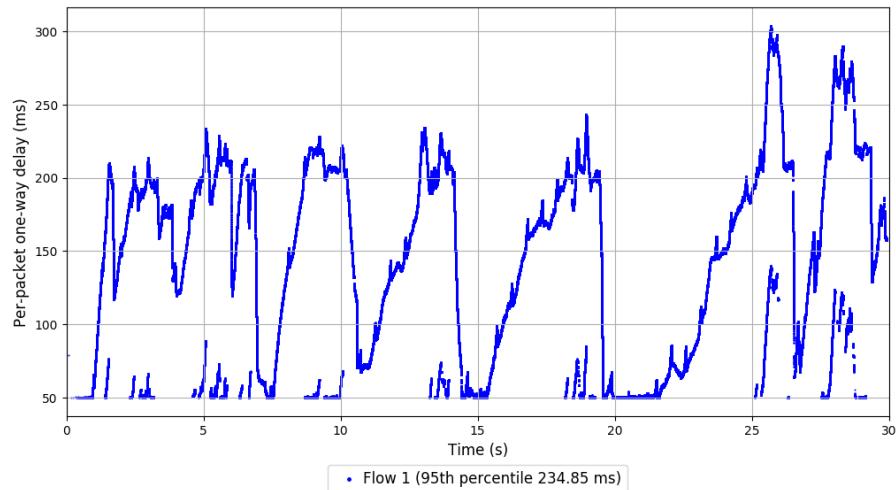
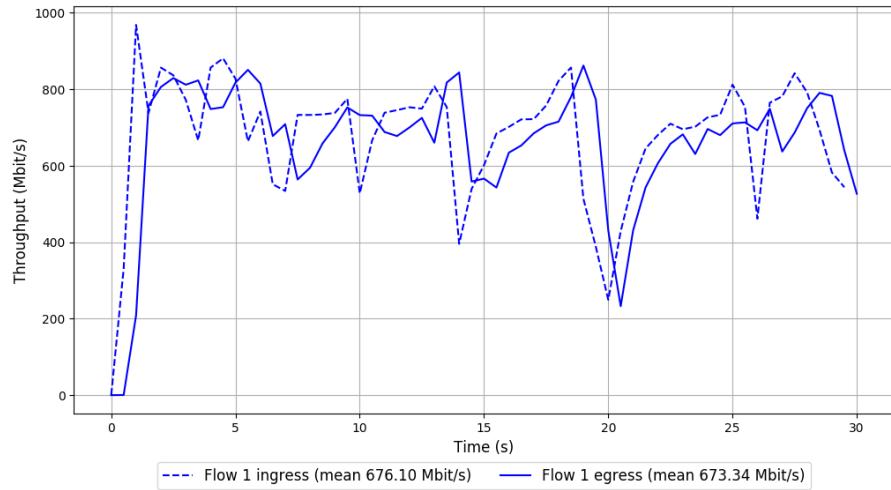


Run 9: Statistics of FillP

```
Start at: 2018-06-07 14:25:18
End at: 2018-06-07 14:25:48
Local clock offset: -0.777 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-06-07 15:27:25
# Datalink statistics
-- Total of 1 flow:
Average throughput: 673.34 Mbit/s
95th percentile per-packet one-way delay: 234.848 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 673.34 Mbit/s
95th percentile per-packet one-way delay: 234.848 ms
Loss rate: 0.84%
```

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

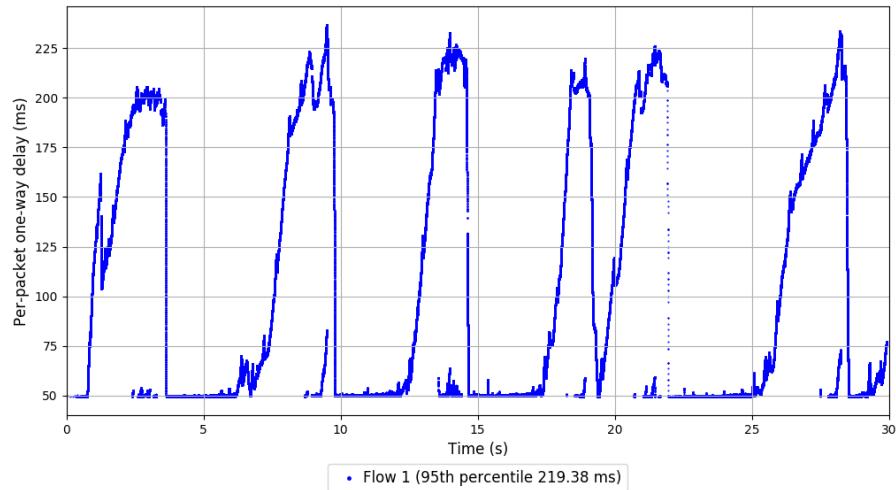
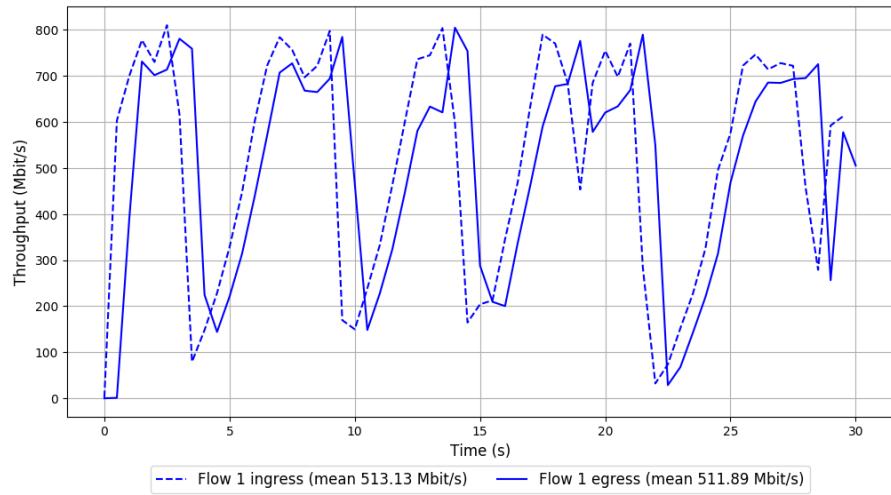


```
Run 10: Statistics of FillP
```

```
Start at: 2018-06-07 14:45:21
End at: 2018-06-07 14:45:51
Local clock offset: -0.465 ms
Remote clock offset: -0.067 ms

# Below is generated by plot.py at 2018-06-07 15:31:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 511.89 Mbit/s
95th percentile per-packet one-way delay: 219.377 ms
Loss rate: 0.58%
-- Flow 1:
Average throughput: 511.89 Mbit/s
95th percentile per-packet one-way delay: 219.377 ms
Loss rate: 0.58%
```

### Run 10: Report of FillP — Data Link



Run 1: Statistics of Indigo

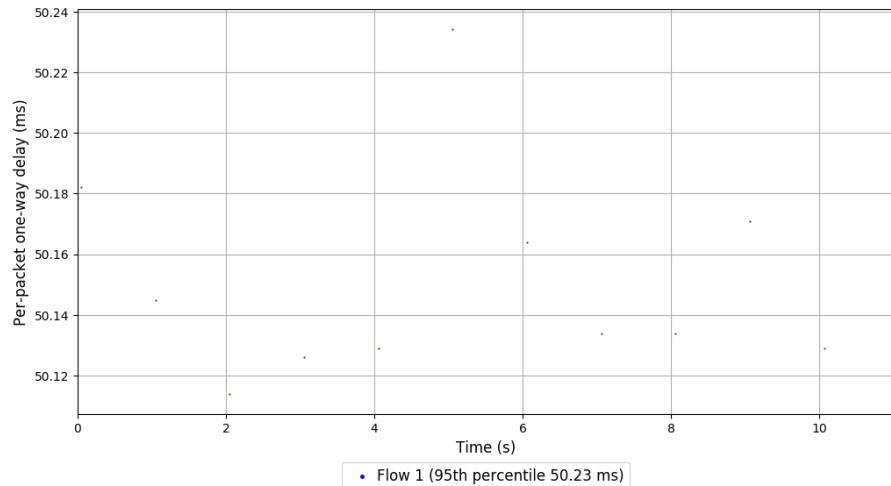
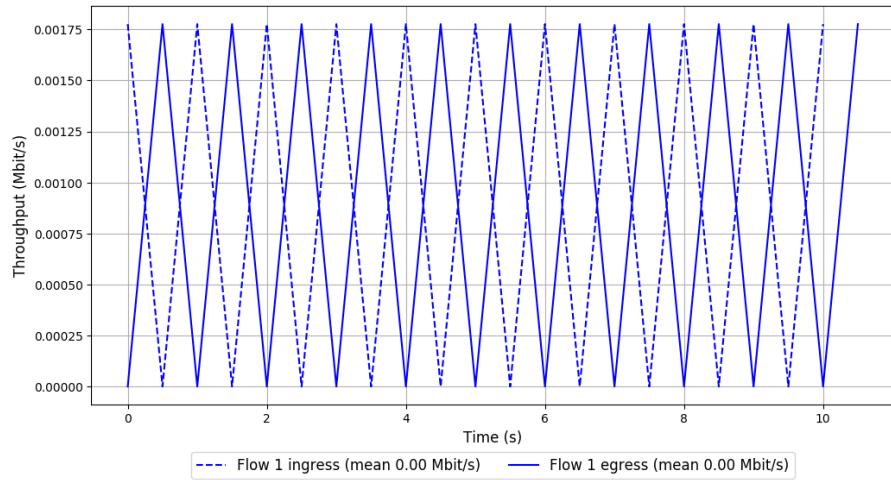
Start at: 2018-06-07 11:30:30

End at: 2018-06-07 11:31:00

Local clock offset: -0.027 ms

Remote clock offset: 0.245 ms

## Run 1: Report of Indigo — Data Link

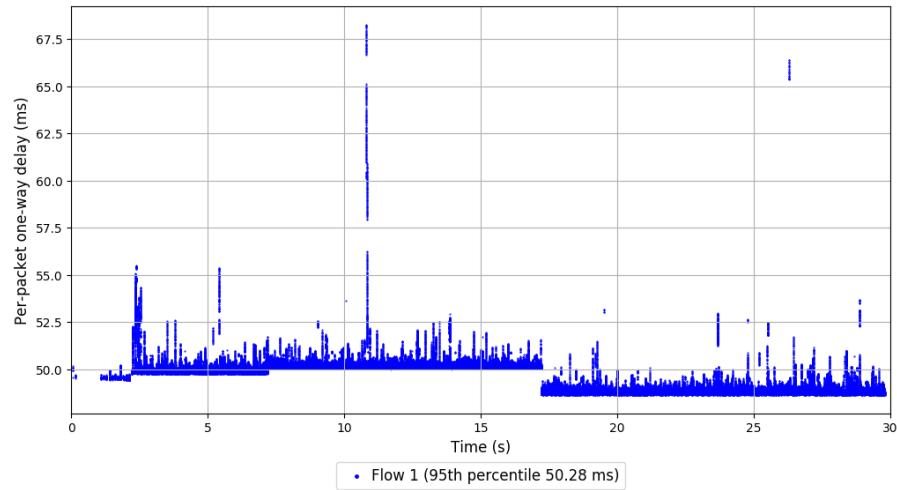
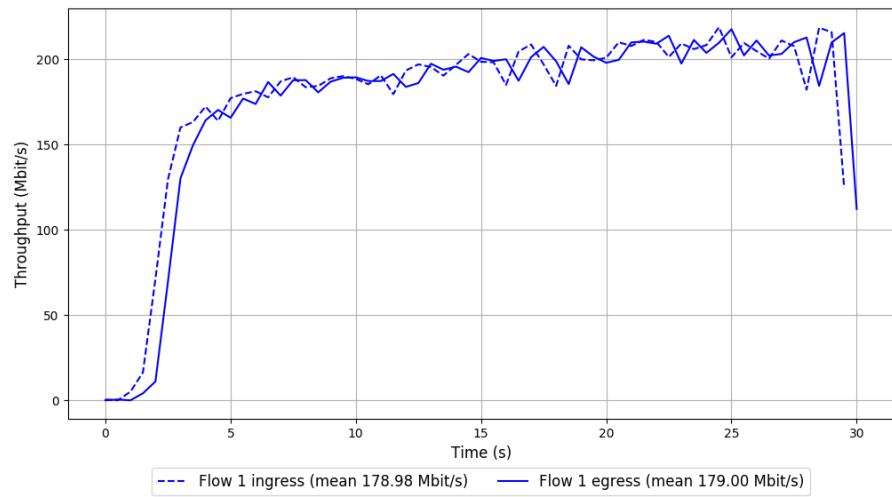


Run 2: Statistics of Indigo

```
Start at: 2018-06-07 11:50:32
End at: 2018-06-07 11:51:02
Local clock offset: -0.013 ms
Remote clock offset: 0.062 ms

# Below is generated by plot.py at 2018-06-07 15:31:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.00 Mbit/s
95th percentile per-packet one-way delay: 50.282 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 179.00 Mbit/s
95th percentile per-packet one-way delay: 50.282 ms
Loss rate: 0.32%
```

Run 2: Report of Indigo — Data Link

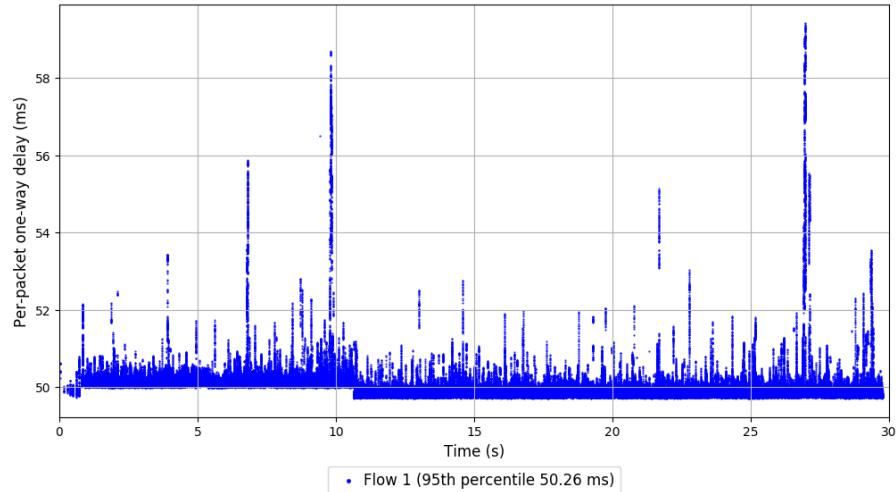
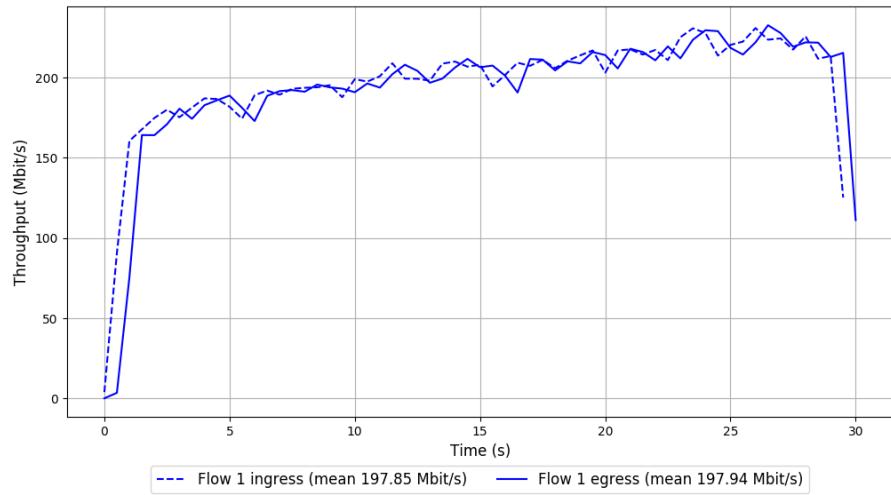


Run 3: Statistics of Indigo

```
Start at: 2018-06-07 12:10:29
End at: 2018-06-07 12:10:59
Local clock offset: 0.011 ms
Remote clock offset: 0.023 ms

# Below is generated by plot.py at 2018-06-07 15:31:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 197.94 Mbit/s
95th percentile per-packet one-way delay: 50.260 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 197.94 Mbit/s
95th percentile per-packet one-way delay: 50.260 ms
Loss rate: 0.29%
```

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

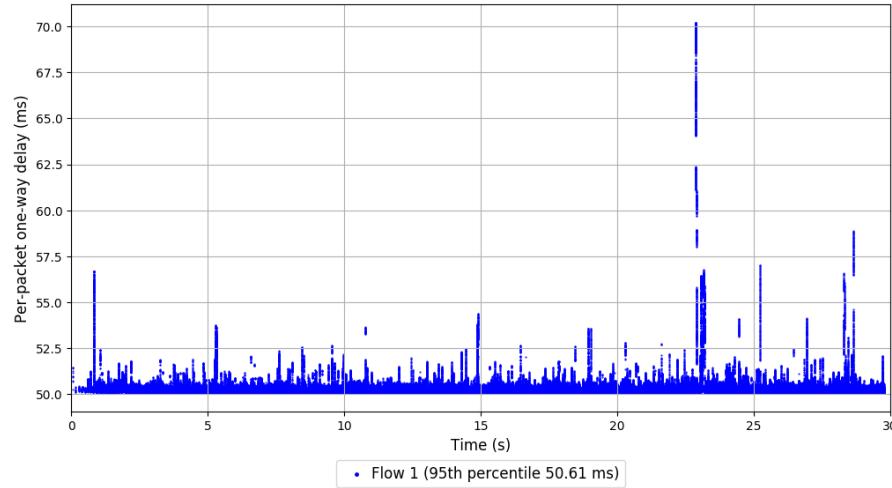
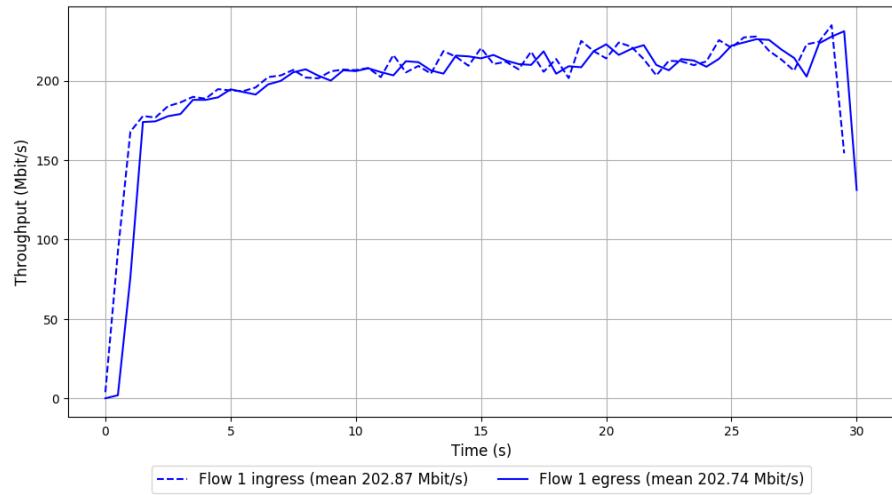


Run 4: Statistics of Indigo

```
Start at: 2018-06-07 12:30:55
End at: 2018-06-07 12:31:25
Local clock offset: 0.01 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2018-06-07 15:31:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 202.74 Mbit/s
95th percentile per-packet one-way delay: 50.610 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 202.74 Mbit/s
95th percentile per-packet one-way delay: 50.610 ms
Loss rate: 0.40%
```

## Run 4: Report of Indigo — Data Link

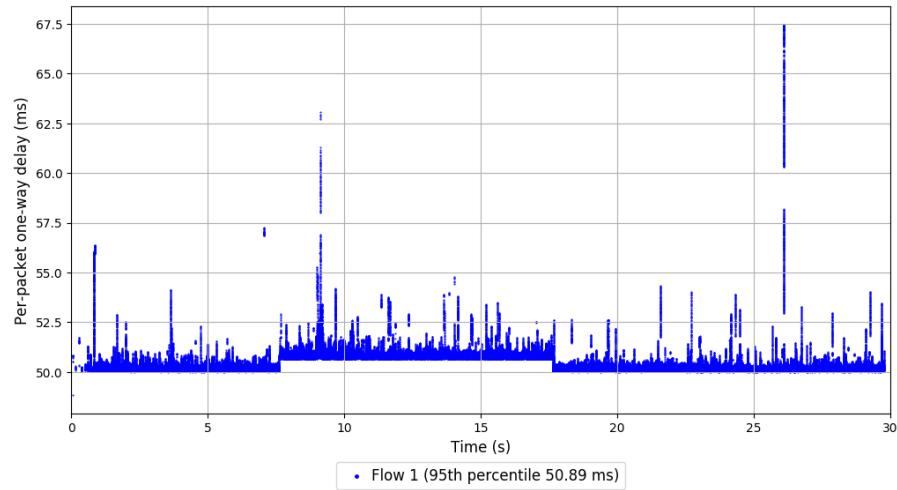
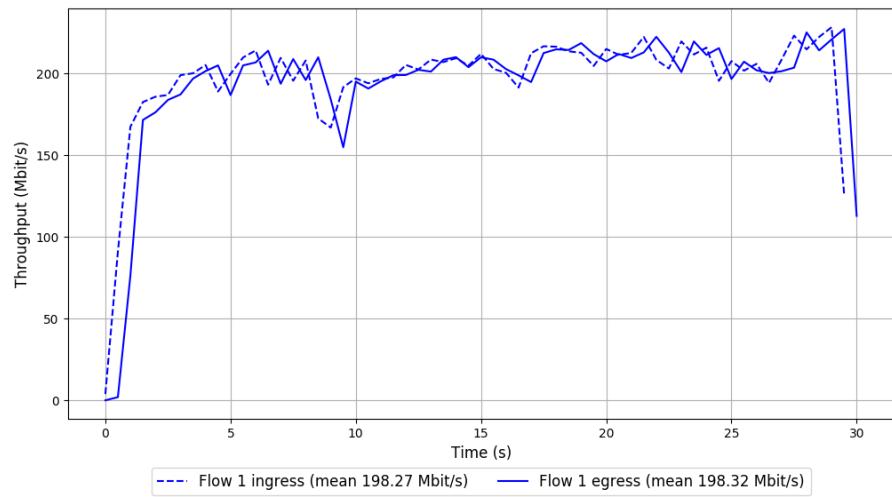


Run 5: Statistics of Indigo

```
Start at: 2018-06-07 12:50:52
End at: 2018-06-07 12:51:22
Local clock offset: 0.011 ms
Remote clock offset: -0.02 ms

# Below is generated by plot.py at 2018-06-07 15:31:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 198.32 Mbit/s
95th percentile per-packet one-way delay: 50.893 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 198.32 Mbit/s
95th percentile per-packet one-way delay: 50.893 ms
Loss rate: 0.31%
```

Run 5: Report of Indigo — Data Link

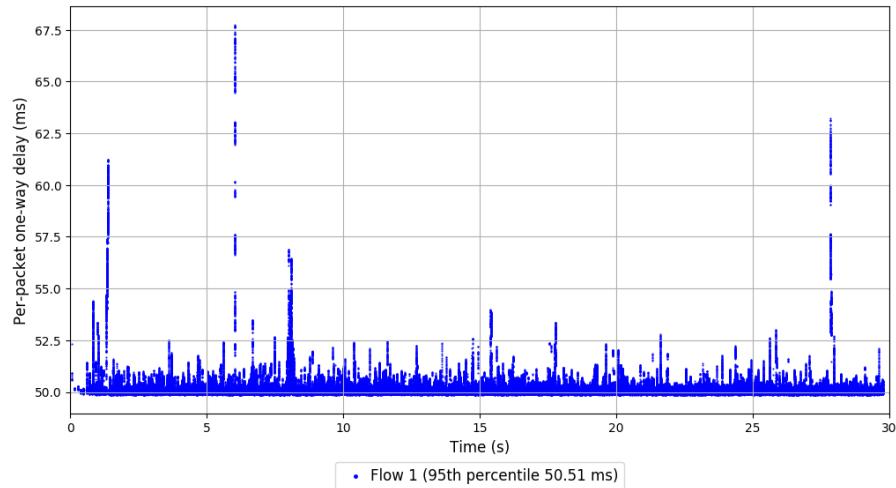
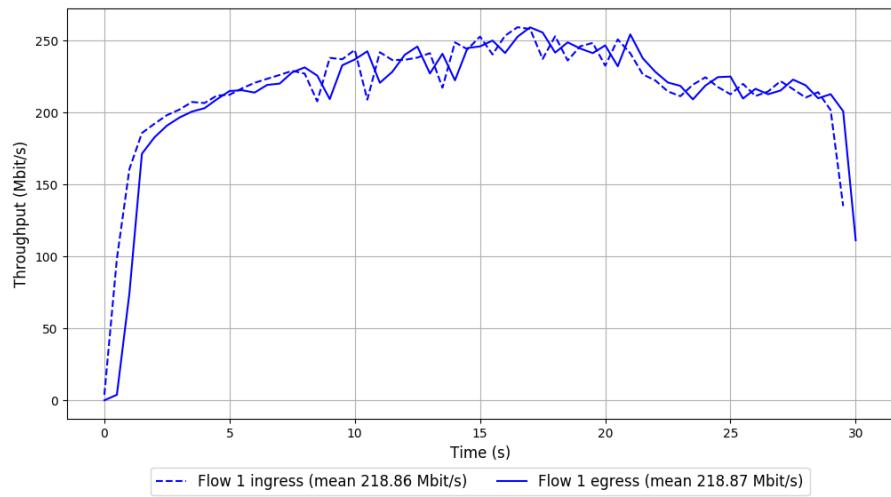


Run 6: Statistics of Indigo

```
Start at: 2018-06-07 13:11:12
End at: 2018-06-07 13:11:42
Local clock offset: 0.452 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-06-07 15:31:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 218.87 Mbit/s
95th percentile per-packet one-way delay: 50.505 ms
Loss rate: 0.34%
-- Flow 1:
Average throughput: 218.87 Mbit/s
95th percentile per-packet one-way delay: 50.505 ms
Loss rate: 0.34%
```

Run 6: Report of Indigo — Data Link

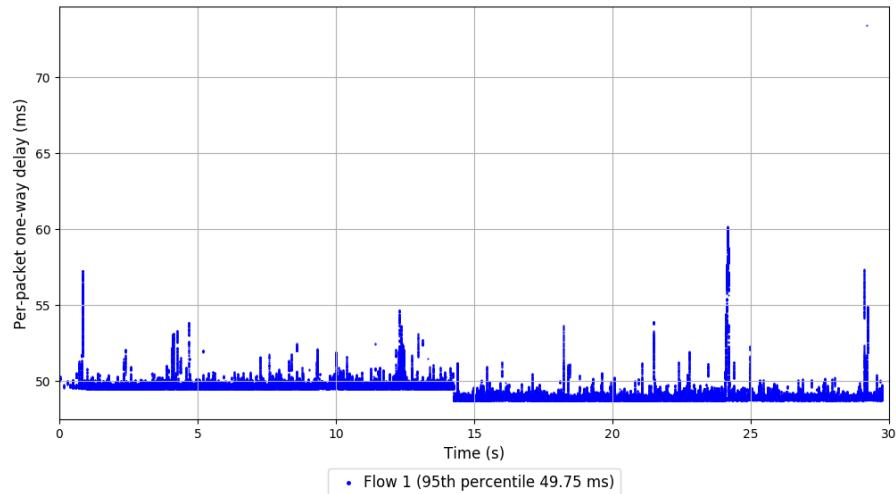
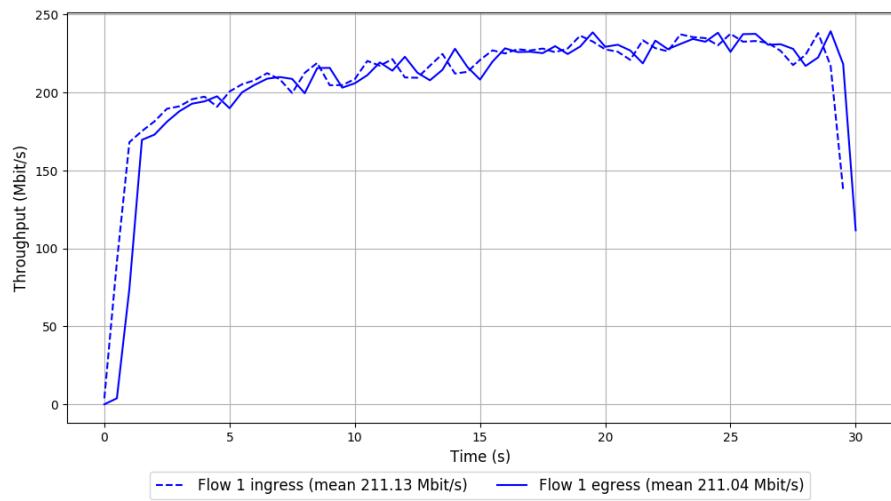


Run 7: Statistics of Indigo

```
Start at: 2018-06-07 13:31:25
End at: 2018-06-07 13:31:55
Local clock offset: -0.019 ms
Remote clock offset: -0.11 ms

# Below is generated by plot.py at 2018-06-07 15:31:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 211.04 Mbit/s
95th percentile per-packet one-way delay: 49.750 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 211.04 Mbit/s
95th percentile per-packet one-way delay: 49.750 ms
Loss rate: 0.38%
```

## Run 7: Report of Indigo — Data Link

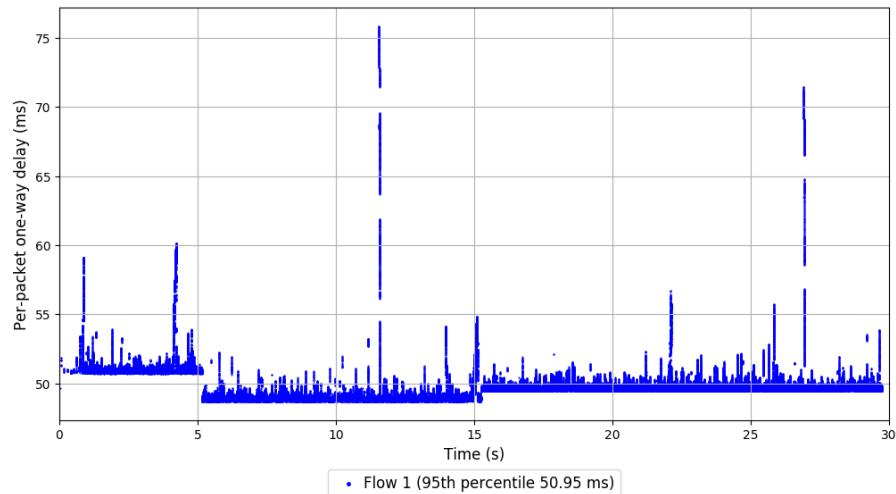
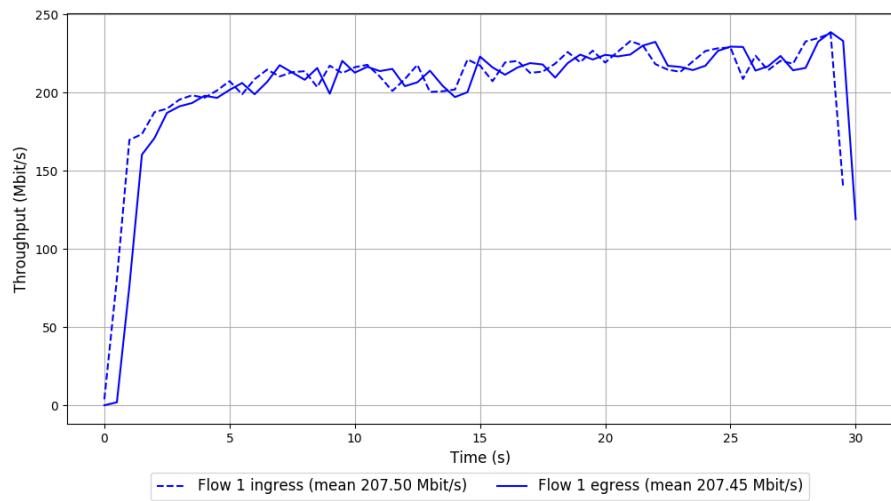


Run 8: Statistics of Indigo

```
Start at: 2018-06-07 13:51:24
End at: 2018-06-07 13:51:54
Local clock offset: -0.071 ms
Remote clock offset: -0.136 ms

# Below is generated by plot.py at 2018-06-07 15:31:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 207.45 Mbit/s
95th percentile per-packet one-way delay: 50.947 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 207.45 Mbit/s
95th percentile per-packet one-way delay: 50.947 ms
Loss rate: 0.36%
```

## Run 8: Report of Indigo — Data Link

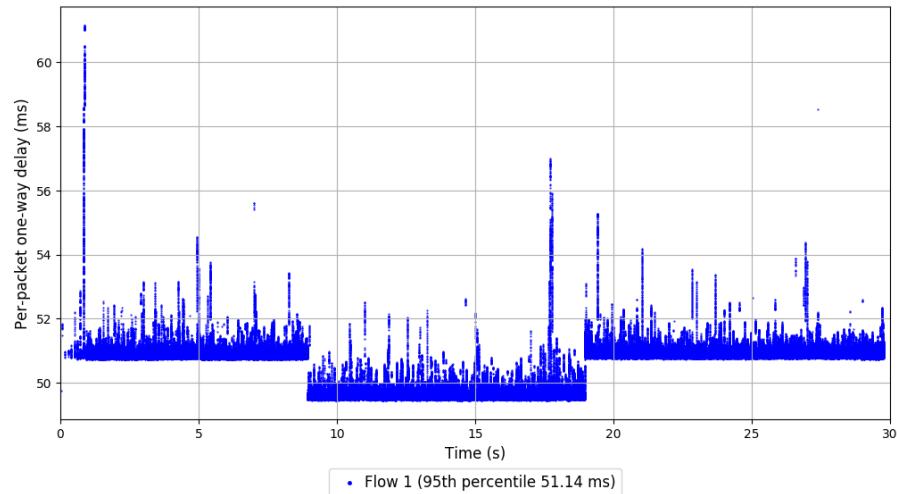
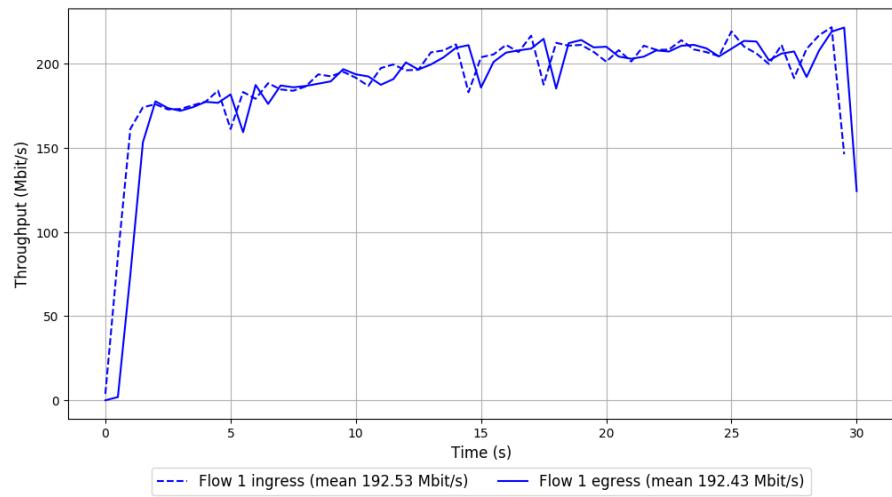


Run 9: Statistics of Indigo

```
Start at: 2018-06-07 14:11:31
End at: 2018-06-07 14:12:01
Local clock offset: -0.059 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-06-07 15:31:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 192.43 Mbit/s
95th percentile per-packet one-way delay: 51.136 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 192.43 Mbit/s
95th percentile per-packet one-way delay: 51.136 ms
Loss rate: 0.39%
```

Run 9: Report of Indigo — Data Link

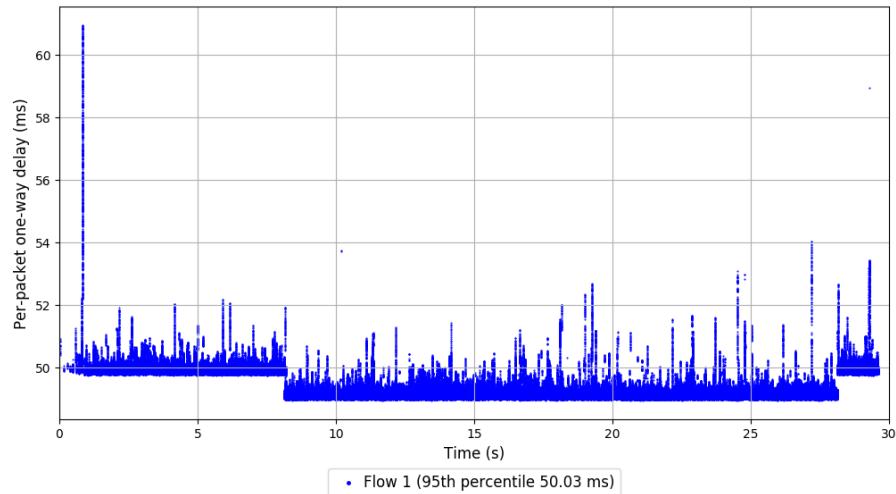
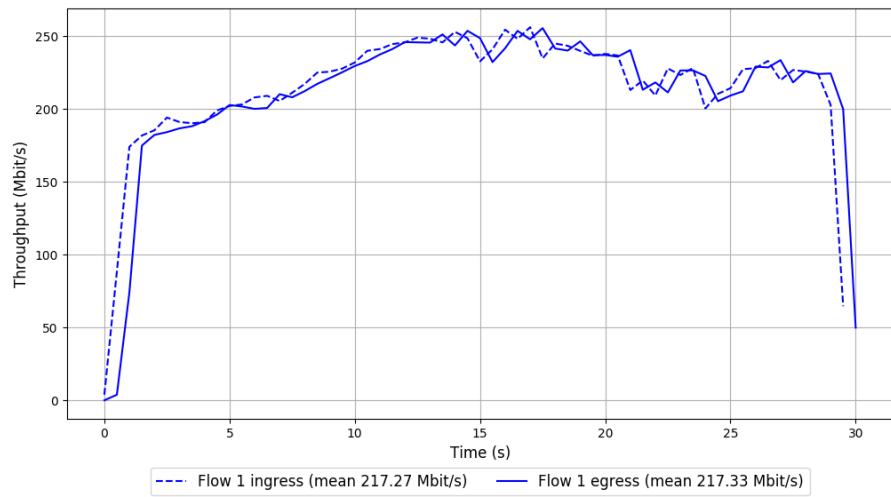


Run 10: Statistics of Indigo

```
Start at: 2018-06-07 14:31:41
End at: 2018-06-07 14:32:11
Local clock offset: 0.286 ms
Remote clock offset: 0.027 ms

# Below is generated by plot.py at 2018-06-07 15:31:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 217.33 Mbit/s
95th percentile per-packet one-way delay: 50.035 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 217.33 Mbit/s
95th percentile per-packet one-way delay: 50.035 ms
Loss rate: 0.32%
```

## Run 10: Report of Indigo — Data Link

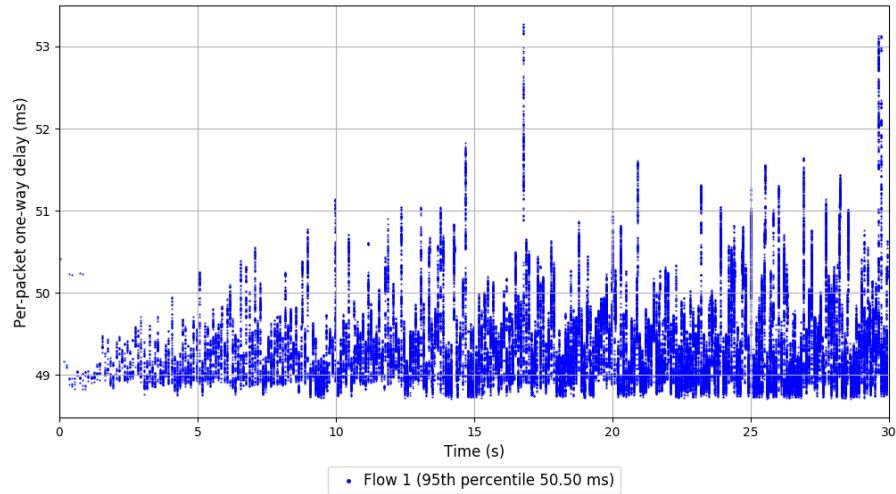
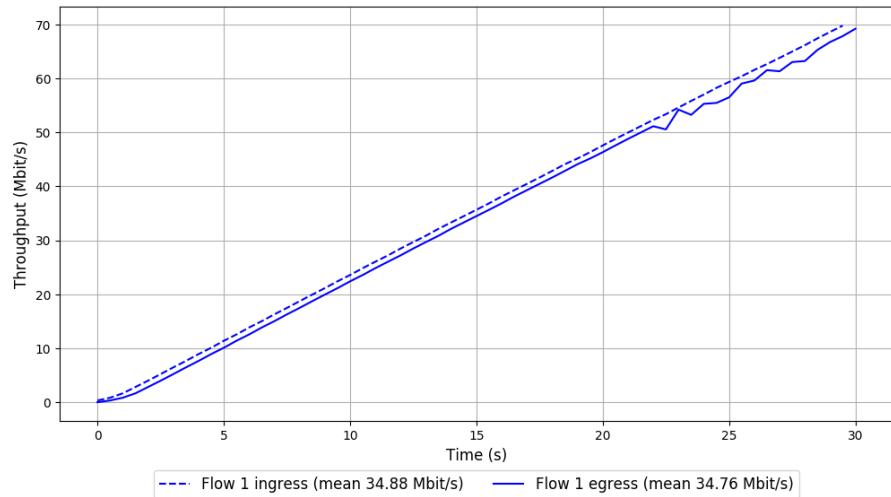


Run 1: Statistics of LEDBAT

```
Start at: 2018-06-07 11:31:35
End at: 2018-06-07 11:32:05
Local clock offset: -0.019 ms
Remote clock offset: 0.159 ms

# Below is generated by plot.py at 2018-06-07 15:31:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.76 Mbit/s
95th percentile per-packet one-way delay: 50.501 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 34.76 Mbit/s
95th percentile per-packet one-way delay: 50.501 ms
Loss rate: 0.67%
```

## Run 1: Report of LEDBAT — Data Link

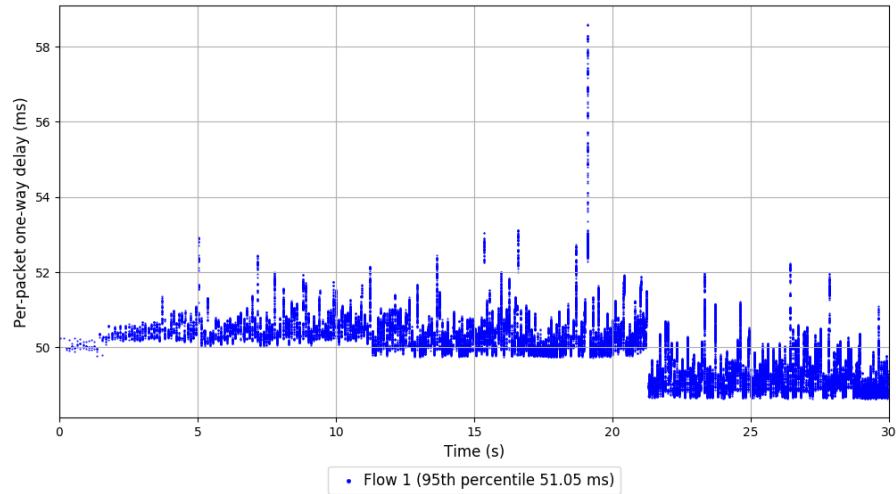
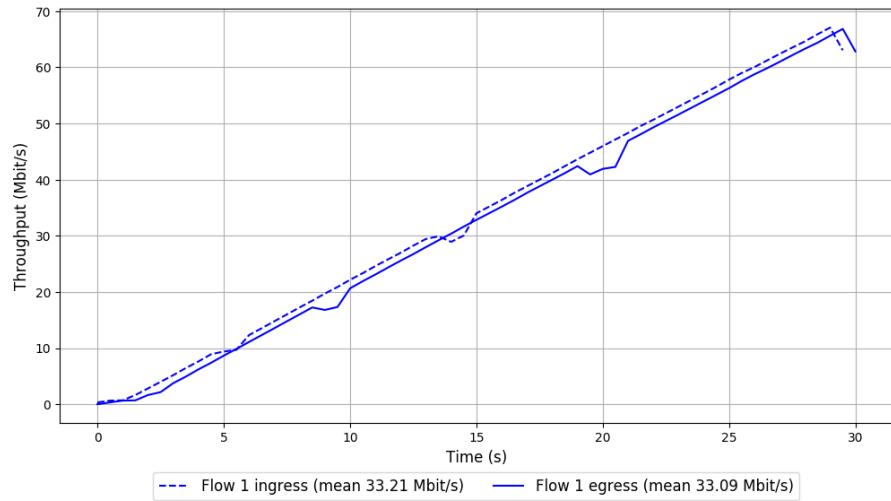


Run 2: Statistics of LEDBAT

```
Start at: 2018-06-07 11:51:48
End at: 2018-06-07 11:52:18
Local clock offset: -0.036 ms
Remote clock offset: 0.049 ms

# Below is generated by plot.py at 2018-06-07 15:31:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.09 Mbit/s
95th percentile per-packet one-way delay: 51.050 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 33.09 Mbit/s
95th percentile per-packet one-way delay: 51.050 ms
Loss rate: 0.69%
```

## Run 2: Report of LEDBAT — Data Link

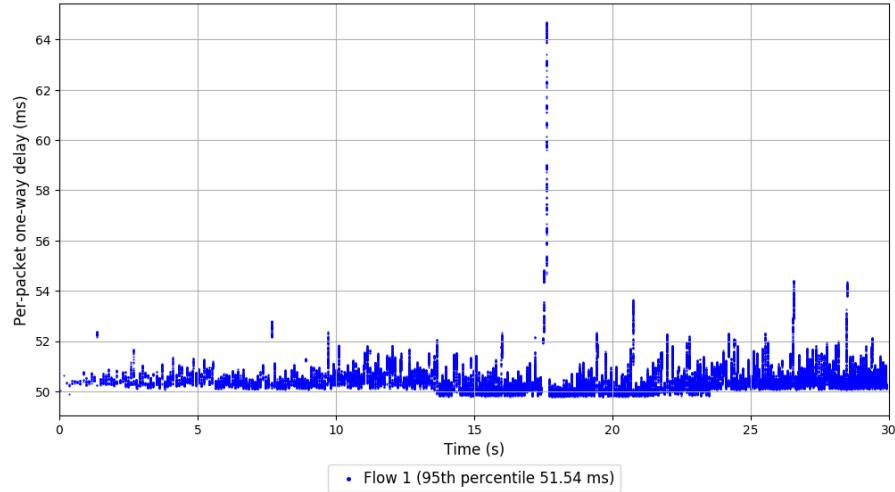
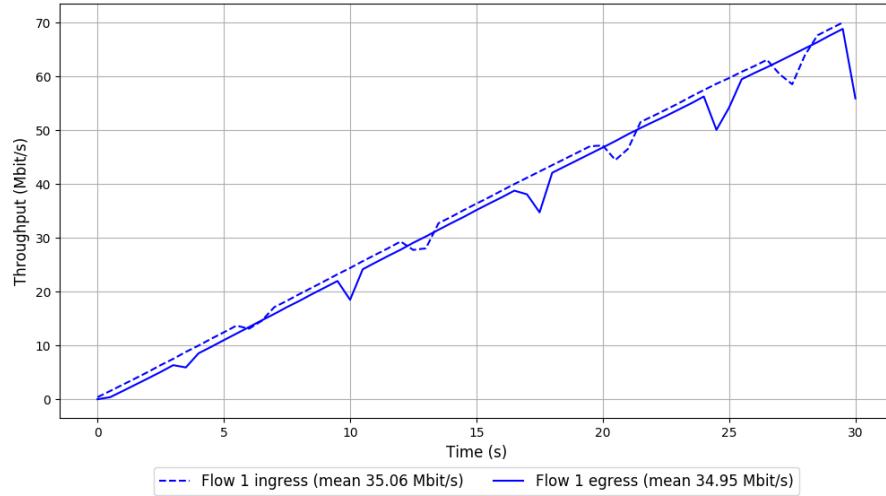


Run 3: Statistics of LEDBAT

```
Start at: 2018-06-07 12:11:46
End at: 2018-06-07 12:12:16
Local clock offset: 0.021 ms
Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-06-07 15:31:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.95 Mbit/s
95th percentile per-packet one-way delay: 51.538 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 34.95 Mbit/s
95th percentile per-packet one-way delay: 51.538 ms
Loss rate: 0.67%
```

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

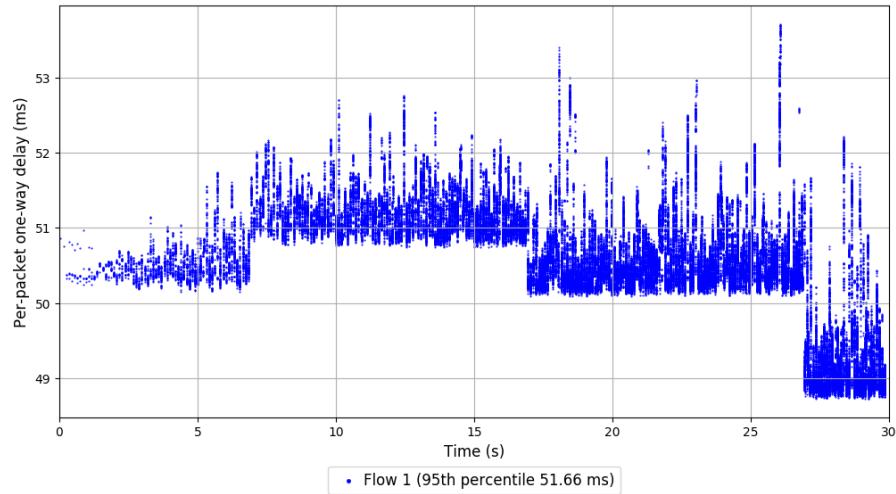
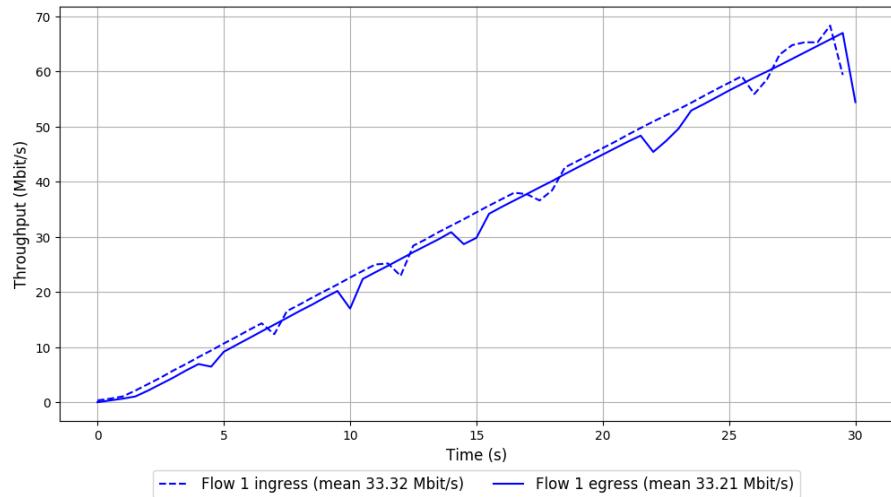


Run 4: Statistics of LEDBAT

```
Start at: 2018-06-07 12:32:13
End at: 2018-06-07 12:32:43
Local clock offset: 0.006 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2018-06-07 15:31:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.21 Mbit/s
95th percentile per-packet one-way delay: 51.660 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 33.21 Mbit/s
95th percentile per-packet one-way delay: 51.660 ms
Loss rate: 0.69%
```

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

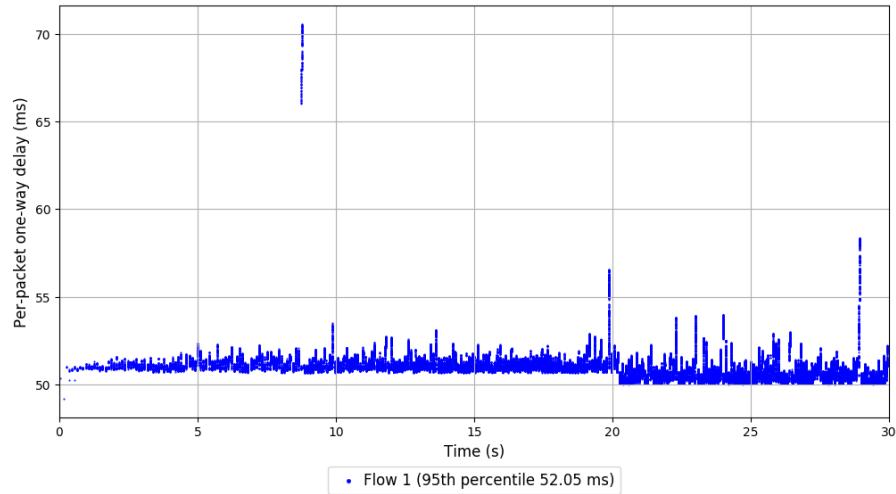
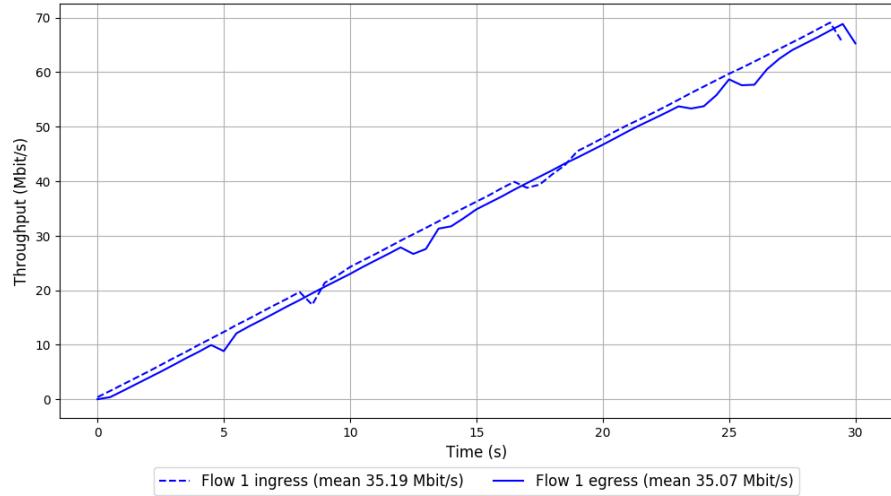


Run 5: Statistics of LEDBAT

```
Start at: 2018-06-07 12:52:09
End at: 2018-06-07 12:52:39
Local clock offset: 0.004 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-06-07 15:31:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.07 Mbit/s
95th percentile per-packet one-way delay: 52.053 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 35.07 Mbit/s
95th percentile per-packet one-way delay: 52.053 ms
Loss rate: 0.66%
```

## Run 5: Report of LEDBAT — Data Link

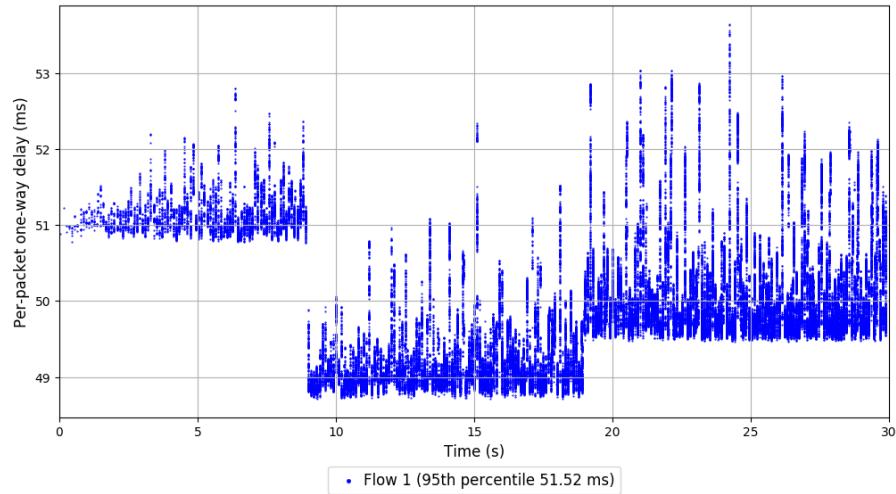
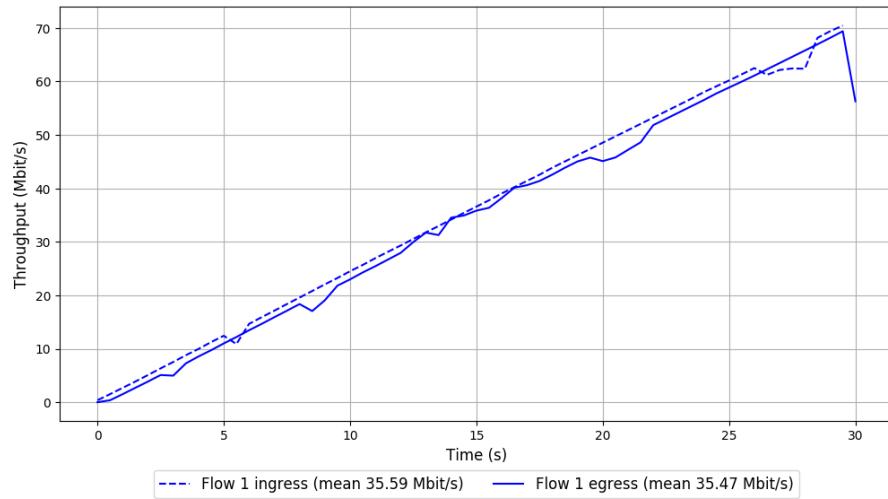


Run 6: Statistics of LEDBAT

```
Start at: 2018-06-07 13:12:31
End at: 2018-06-07 13:13:01
Local clock offset: 0.047 ms
Remote clock offset: -0.081 ms

# Below is generated by plot.py at 2018-06-07 15:31:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 51.521 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 35.47 Mbit/s
95th percentile per-packet one-way delay: 51.521 ms
Loss rate: 0.66%
```

Run 6: Report of LEDBAT — Data Link

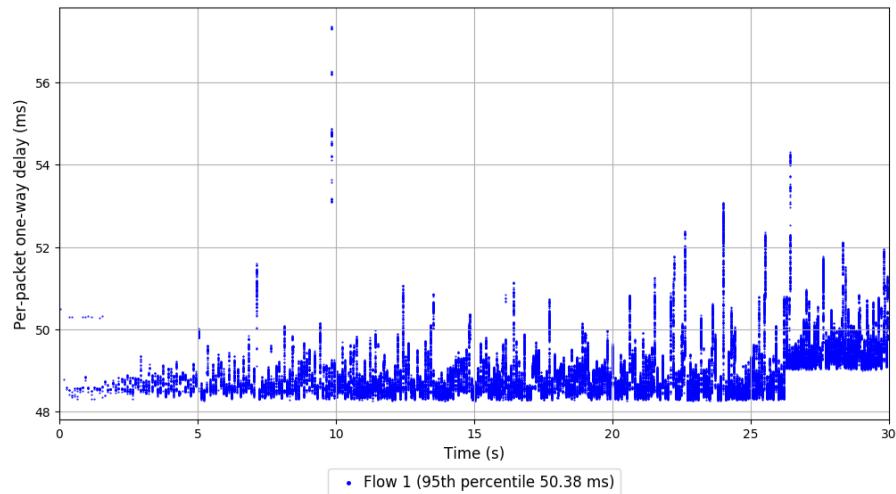
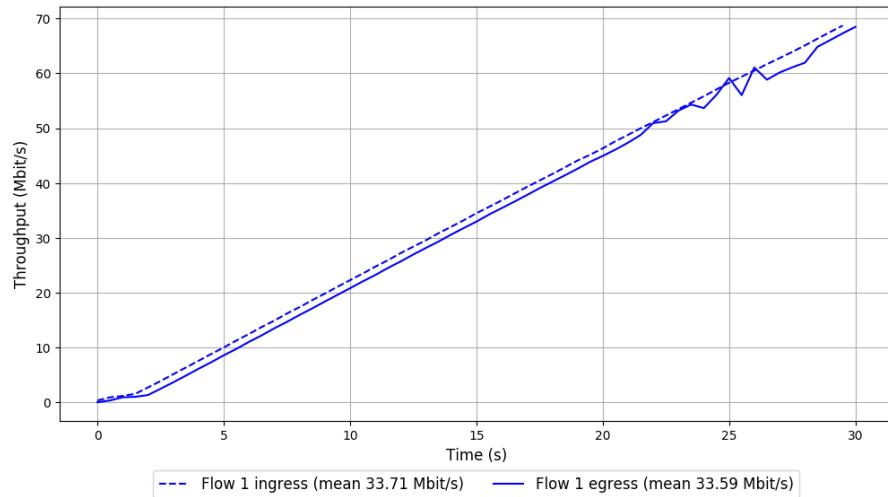


Run 7: Statistics of LEDBAT

```
Start at: 2018-06-07 13:32:43
End at: 2018-06-07 13:33:13
Local clock offset: -0.426 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-06-07 15:31:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.59 Mbit/s
95th percentile per-packet one-way delay: 50.377 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 33.59 Mbit/s
95th percentile per-packet one-way delay: 50.377 ms
Loss rate: 0.68%
```

Run 7: Report of LEDBAT — Data Link

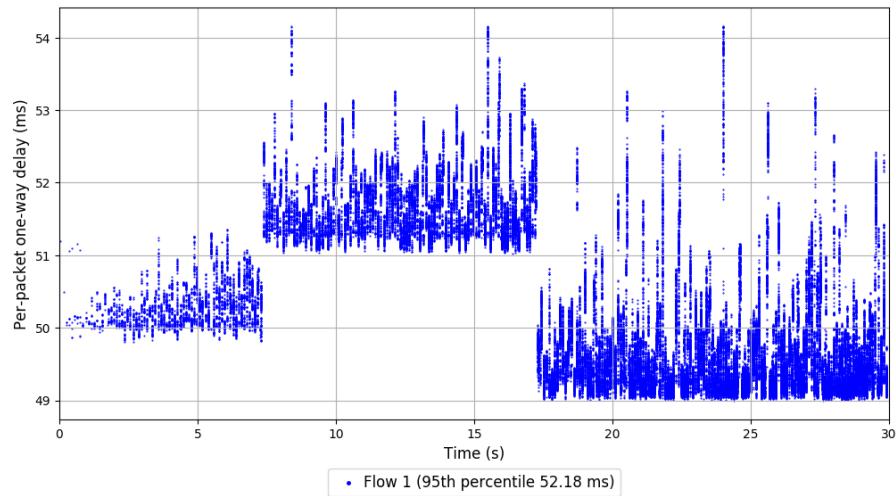
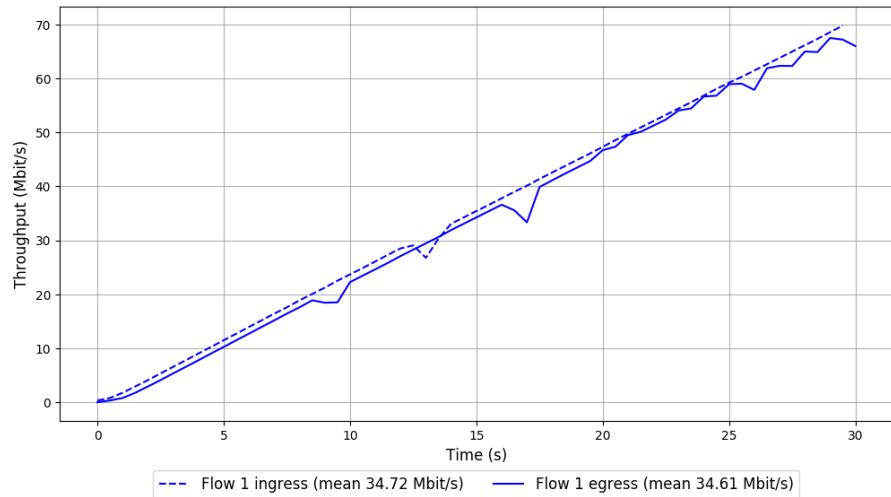


Run 8: Statistics of LEDBAT

```
Start at: 2018-06-07 13:52:42
End at: 2018-06-07 13:53:12
Local clock offset: 0.28 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-06-07 15:31:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 34.61 Mbit/s
95th percentile per-packet one-way delay: 52.177 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 34.61 Mbit/s
95th percentile per-packet one-way delay: 52.177 ms
Loss rate: 0.68%
```

Run 8: Report of LEDBAT — Data Link

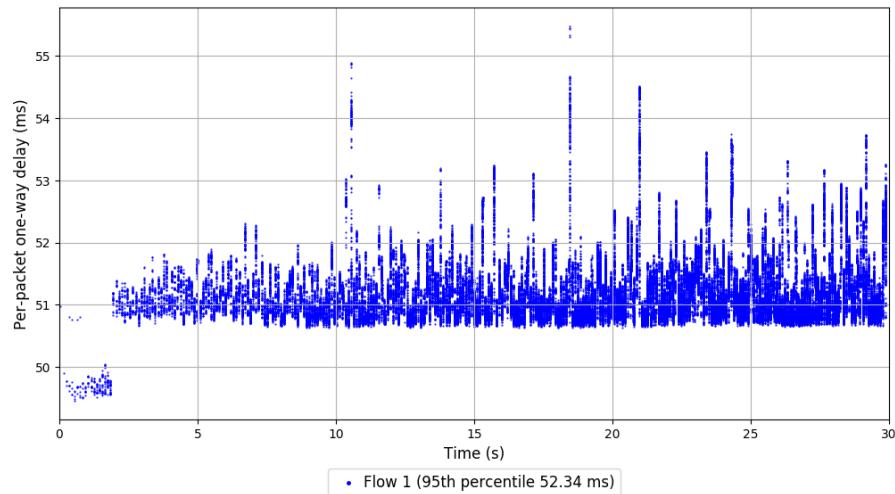
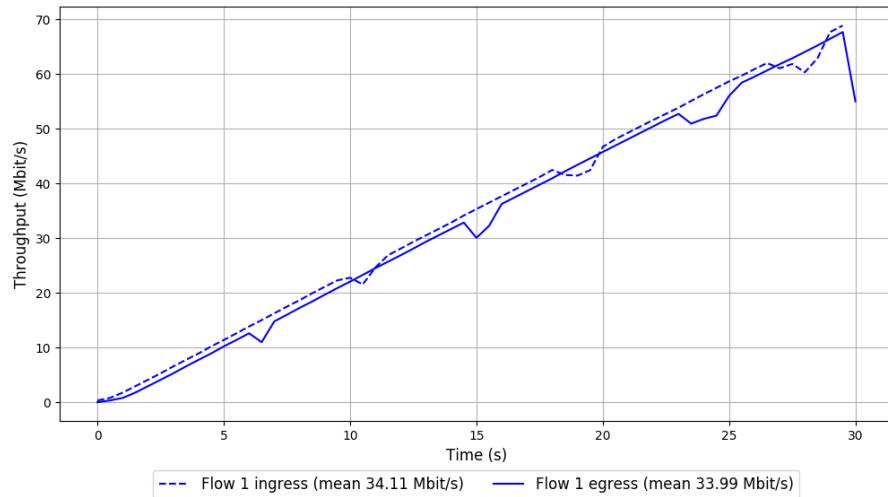


Run 9: Statistics of LEDBAT

```
Start at: 2018-06-07 14:12:48
End at: 2018-06-07 14:13:18
Local clock offset: -0.162 ms
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2018-06-07 15:31:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.99 Mbit/s
95th percentile per-packet one-way delay: 52.341 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 33.99 Mbit/s
95th percentile per-packet one-way delay: 52.341 ms
Loss rate: 0.68%
```

## Run 9: Report of LEDBAT — Data Link

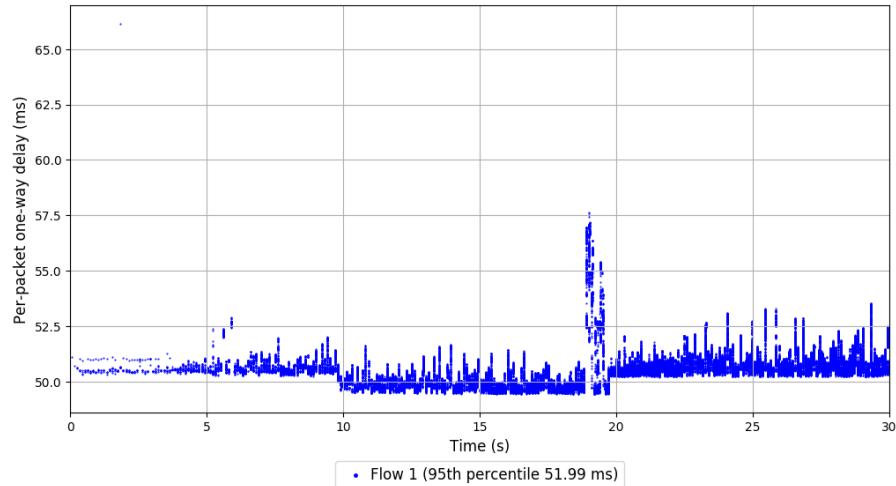
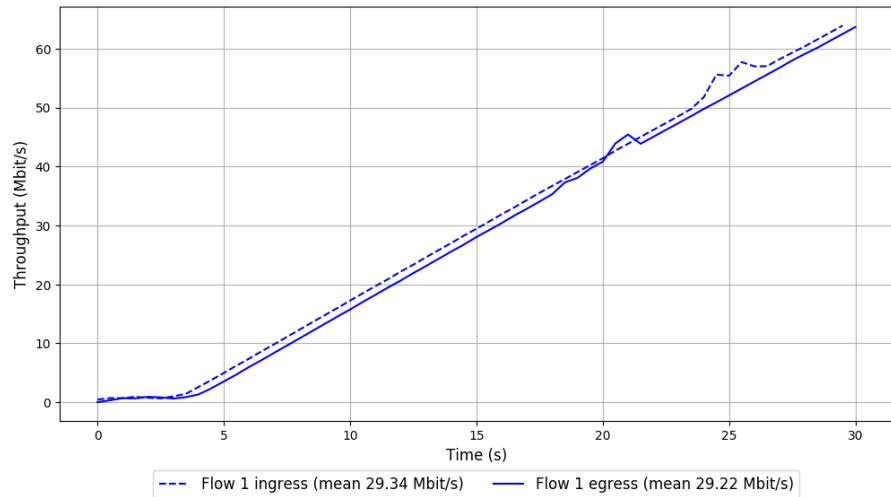


Run 10: Statistics of LEDBAT

```
Start at: 2018-06-07 14:33:00
End at: 2018-06-07 14:33:30
Local clock offset: 0.735 ms
Remote clock offset: -0.008 ms

# Below is generated by plot.py at 2018-06-07 15:31:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 29.22 Mbit/s
95th percentile per-packet one-way delay: 51.989 ms
Loss rate: 0.73%
-- Flow 1:
Average throughput: 29.22 Mbit/s
95th percentile per-packet one-way delay: 51.989 ms
Loss rate: 0.73%
```

## Run 10: Report of LEDBAT — Data Link

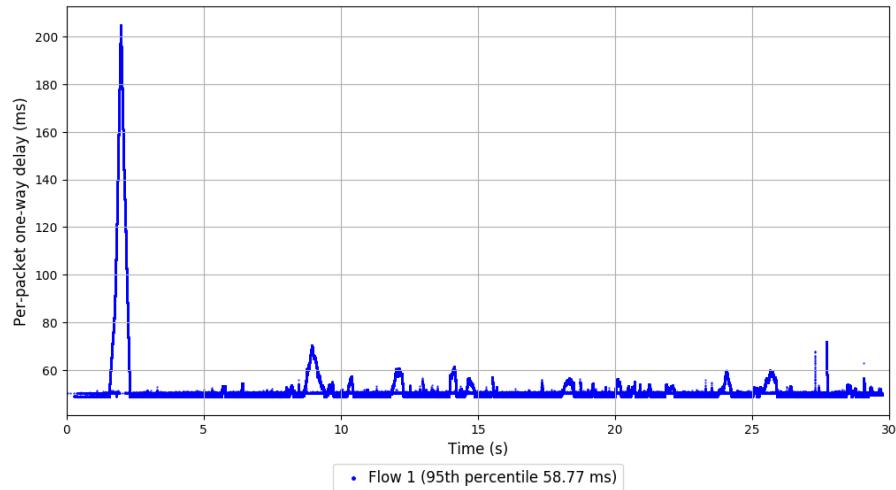
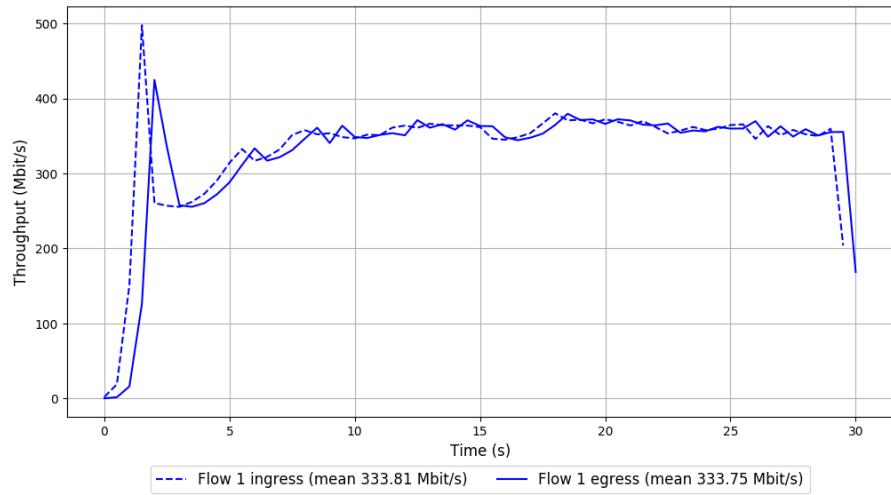


Run 1: Statistics of PCC-Allegro

```
Start at: 2018-06-07 11:38:50
End at: 2018-06-07 11:39:20
Local clock offset: -0.047 ms
Remote clock offset: 0.191 ms

# Below is generated by plot.py at 2018-06-07 15:34:46
# Datalink statistics
-- Total of 1 flow:
Average throughput: 333.75 Mbit/s
95th percentile per-packet one-way delay: 58.770 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 333.75 Mbit/s
95th percentile per-packet one-way delay: 58.770 ms
Loss rate: 0.36%
```

Run 1: Report of PCC-Allegro — Data Link

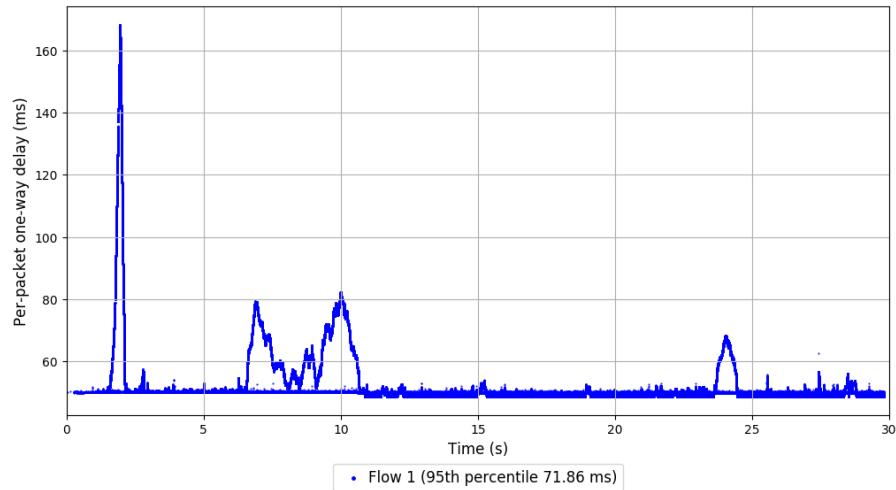
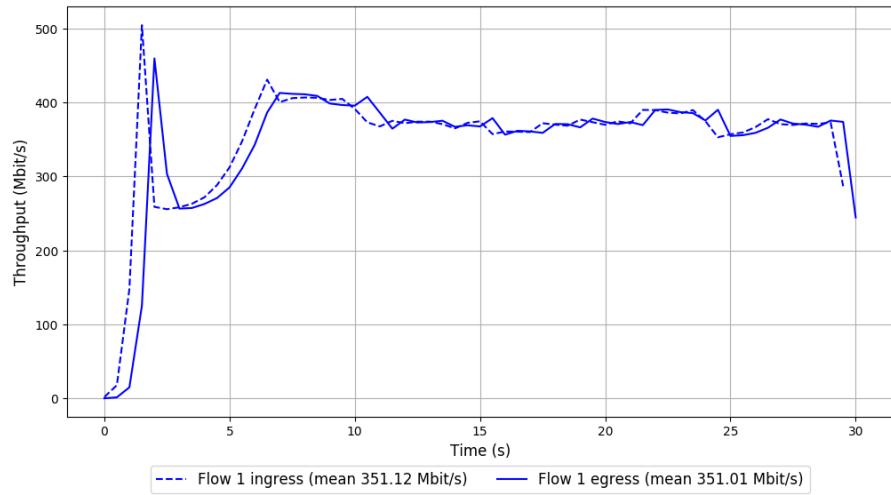


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-06-07 11:59:09
End at: 2018-06-07 11:59:39
Local clock offset: -0.008 ms
Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2018-06-07 15:35:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 351.01 Mbit/s
95th percentile per-packet one-way delay: 71.861 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 351.01 Mbit/s
95th percentile per-packet one-way delay: 71.861 ms
Loss rate: 0.37%
```

Run 2: Report of PCC-Allegro — Data Link

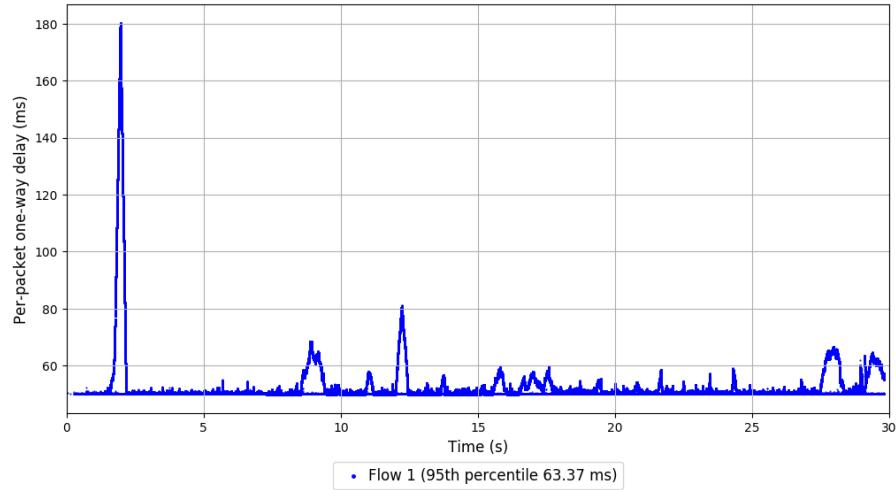
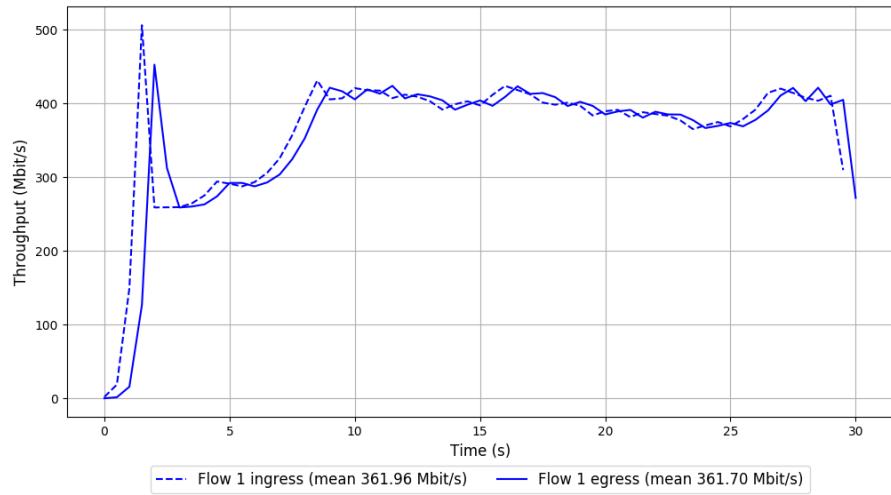


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-06-07 12:19:12
End at: 2018-06-07 12:19:42
Local clock offset: 0.001 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2018-06-07 15:35:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 361.70 Mbit/s
95th percentile per-packet one-way delay: 63.369 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 361.70 Mbit/s
95th percentile per-packet one-way delay: 63.369 ms
Loss rate: 0.41%
```

Run 3: Report of PCC-Allegro — Data Link

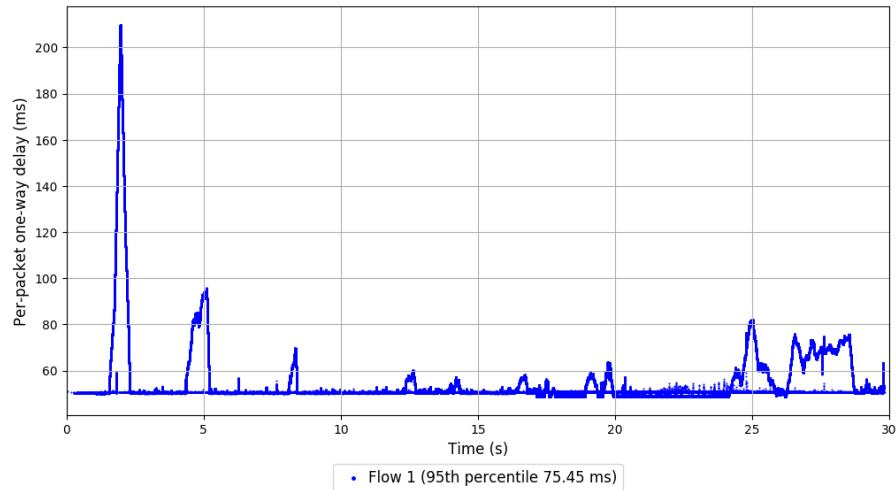
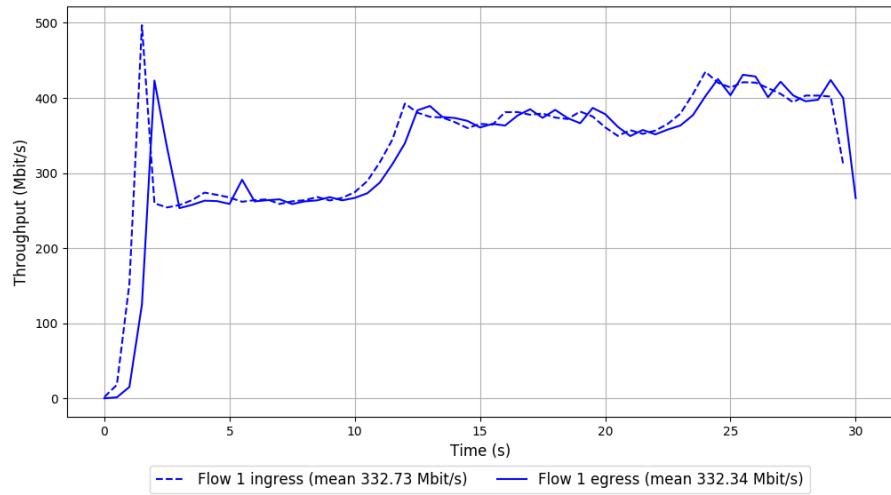


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-06-07 12:39:22
End at: 2018-06-07 12:39:52
Local clock offset: 0.004 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-06-07 15:35:23
# Datalink statistics
-- Total of 1 flow:
Average throughput: 332.34 Mbit/s
95th percentile per-packet one-way delay: 75.453 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 332.34 Mbit/s
95th percentile per-packet one-way delay: 75.453 ms
Loss rate: 0.46%
```

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

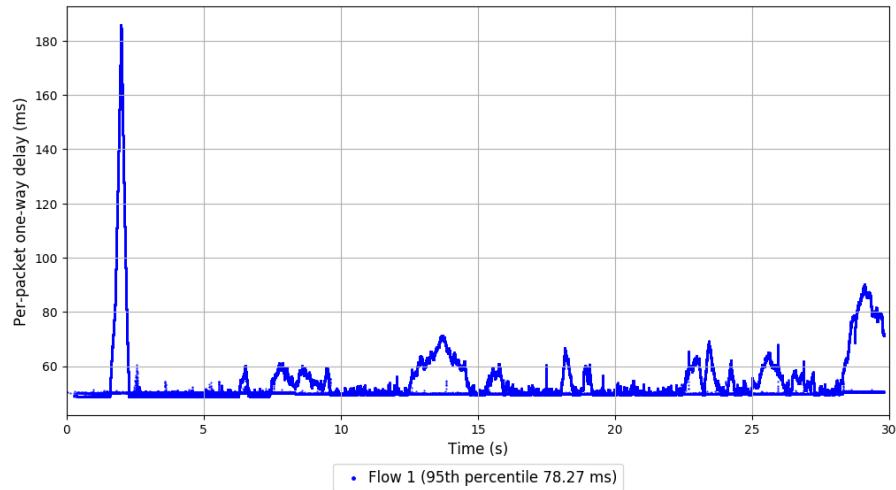
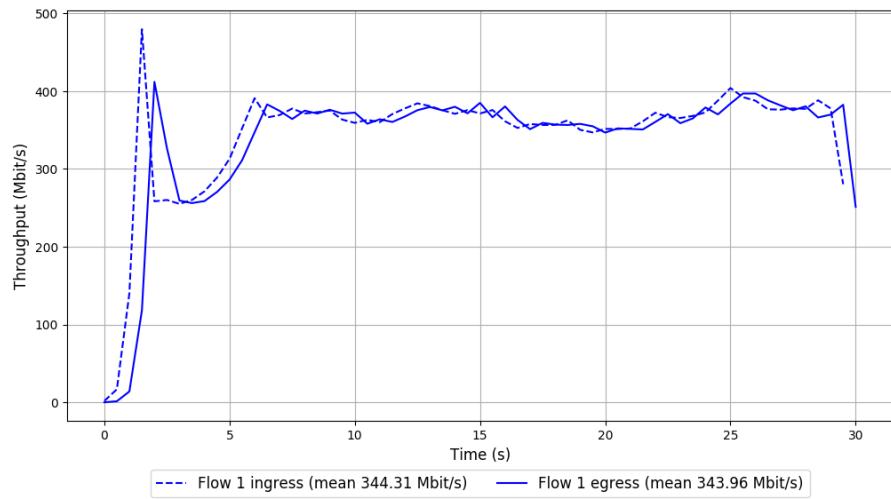


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-06-07 12:59:31
End at: 2018-06-07 13:00:01
Local clock offset: 0.029 ms
Remote clock offset: -0.093 ms

# Below is generated by plot.py at 2018-06-07 15:35:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 343.96 Mbit/s
95th percentile per-packet one-way delay: 78.272 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 343.96 Mbit/s
95th percentile per-packet one-way delay: 78.272 ms
Loss rate: 0.44%
```

Run 5: Report of PCC-Allegro — Data Link

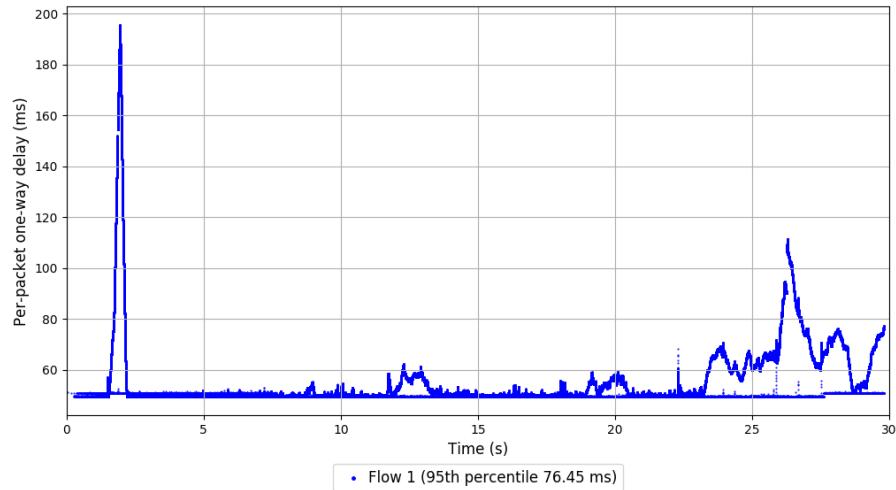
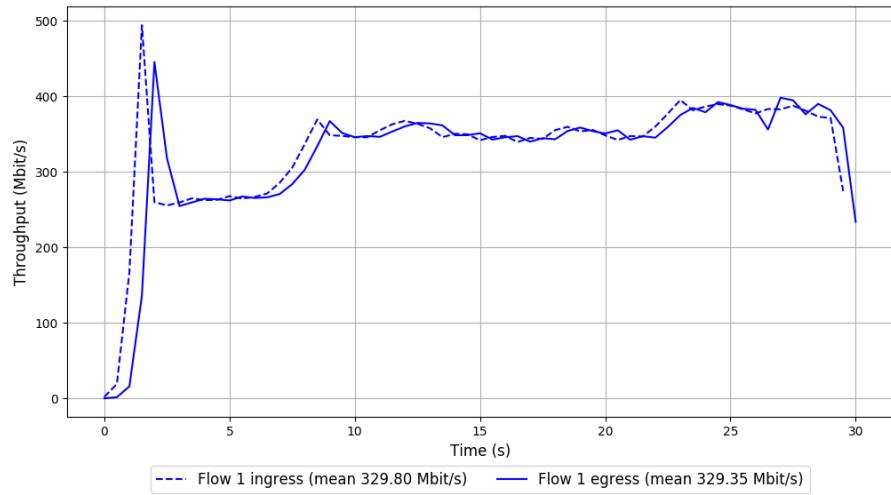


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-06-07 13:19:52
End at: 2018-06-07 13:20:22
Local clock offset: 0.012 ms
Remote clock offset: -0.041 ms

# Below is generated by plot.py at 2018-06-07 15:35:33
# Datalink statistics
-- Total of 1 flow:
Average throughput: 329.35 Mbit/s
95th percentile per-packet one-way delay: 76.452 ms
Loss rate: 0.48%
-- Flow 1:
Average throughput: 329.35 Mbit/s
95th percentile per-packet one-way delay: 76.452 ms
Loss rate: 0.48%
```

Run 6: Report of PCC-Allegro — Data Link

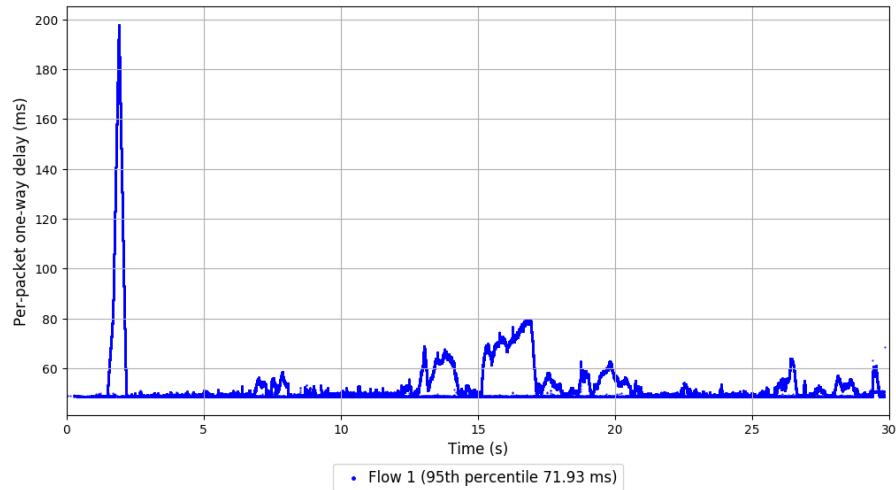
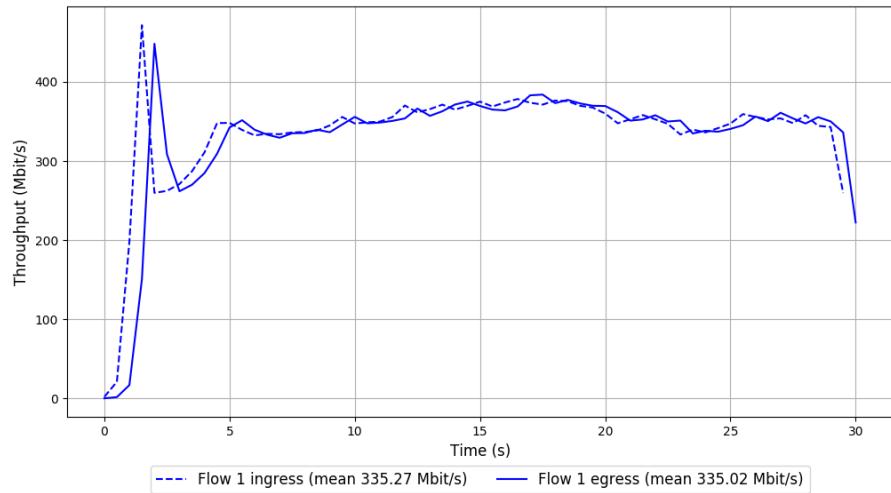


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-06-07 13:39:50
End at: 2018-06-07 13:40:20
Local clock offset: -0.07 ms
Remote clock offset: -0.107 ms

# Below is generated by plot.py at 2018-06-07 15:36:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 335.02 Mbit/s
95th percentile per-packet one-way delay: 71.933 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 335.02 Mbit/s
95th percentile per-packet one-way delay: 71.933 ms
Loss rate: 0.39%
```

Run 7: Report of PCC-Allegro — Data Link

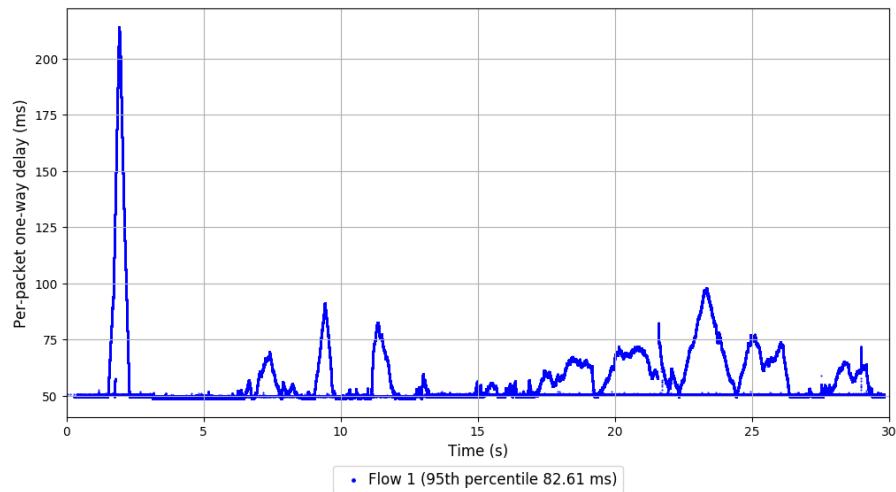
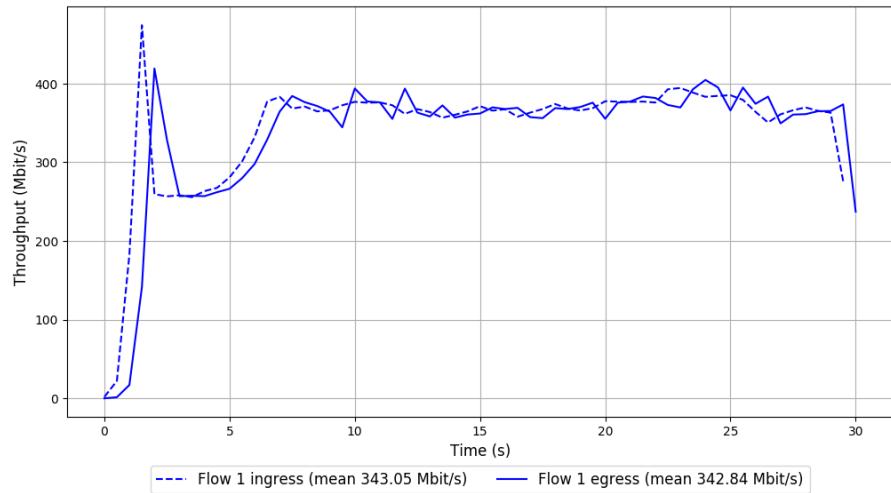


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-06-07 13:59:56
End at: 2018-06-07 14:00:26
Local clock offset: -0.091 ms
Remote clock offset: -0.076 ms

# Below is generated by plot.py at 2018-06-07 15:37:26
# Datalink statistics
-- Total of 1 flow:
Average throughput: 342.84 Mbit/s
95th percentile per-packet one-way delay: 82.610 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 342.84 Mbit/s
95th percentile per-packet one-way delay: 82.610 ms
Loss rate: 0.40%
```

Run 8: Report of PCC-Allegro — Data Link

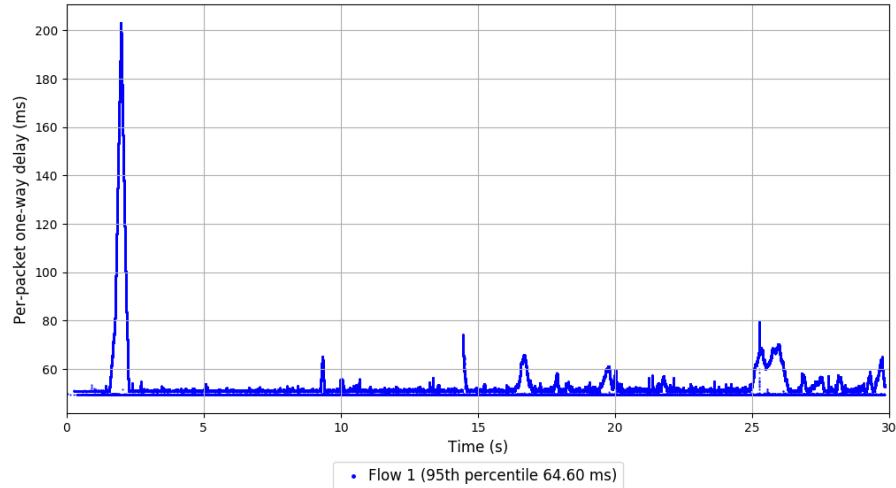
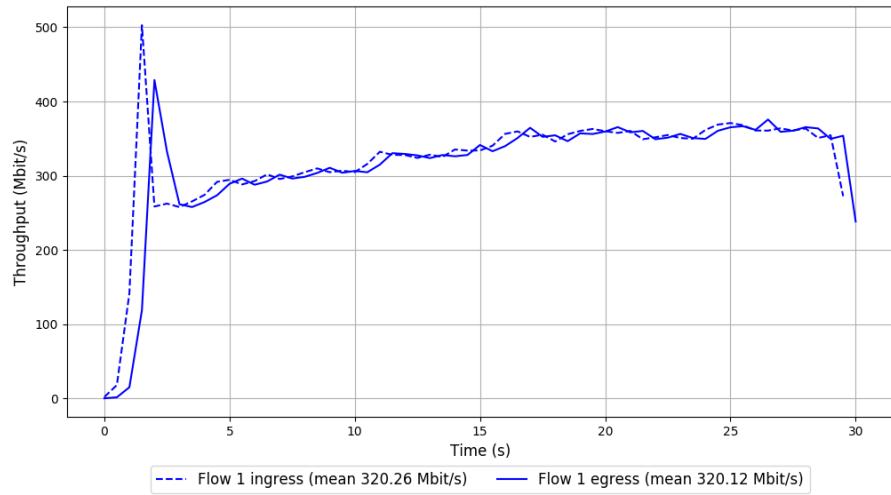


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-06-07 14:20:04
End at: 2018-06-07 14:20:34
Local clock offset: -0.123 ms
Remote clock offset: -0.012 ms

# Below is generated by plot.py at 2018-06-07 15:39:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 320.12 Mbit/s
95th percentile per-packet one-way delay: 64.600 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 320.12 Mbit/s
95th percentile per-packet one-way delay: 64.600 ms
Loss rate: 0.38%
```

Run 9: Report of PCC-Allegro — Data Link

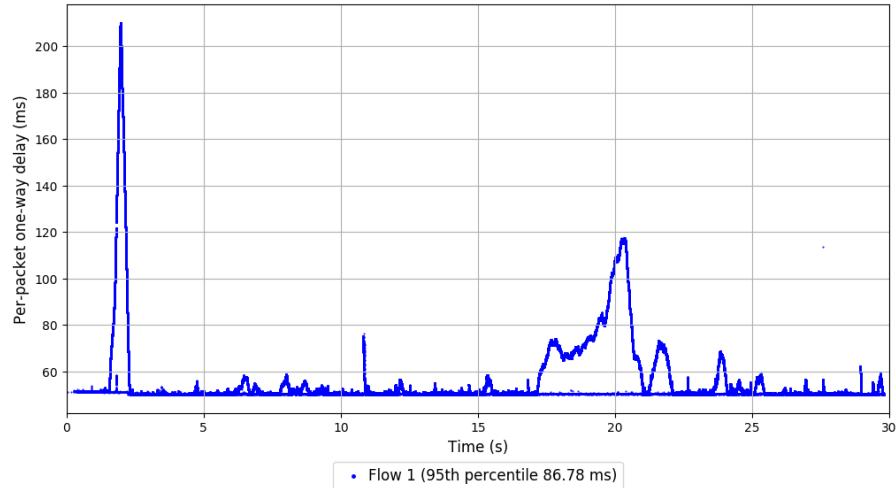
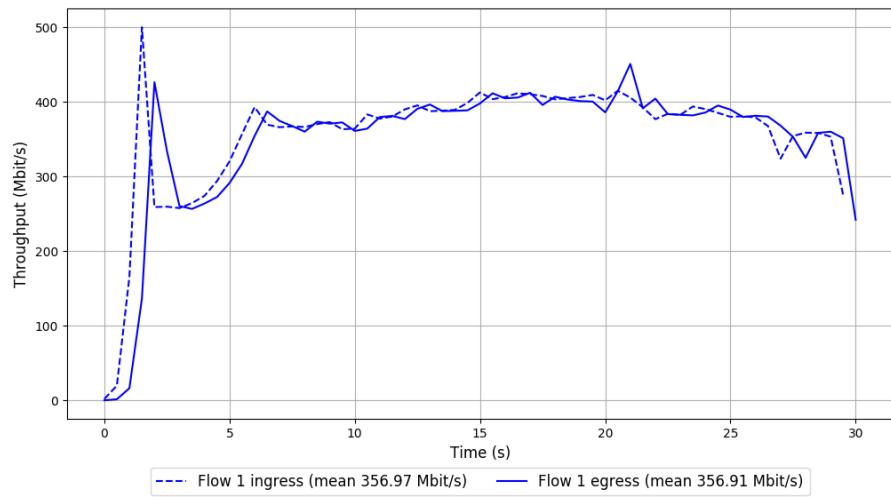


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-06-07 14:40:07
End at: 2018-06-07 14:40:37
Local clock offset: 0.623 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-06-07 15:40:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 356.91 Mbit/s
95th percentile per-packet one-way delay: 86.781 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 356.91 Mbit/s
95th percentile per-packet one-way delay: 86.781 ms
Loss rate: 0.36%
```

Run 10: Report of PCC-Allegro — Data Link

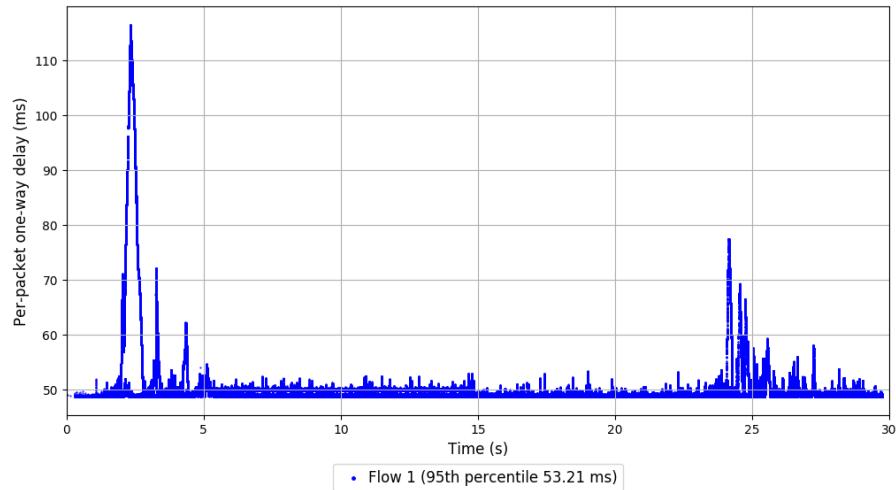
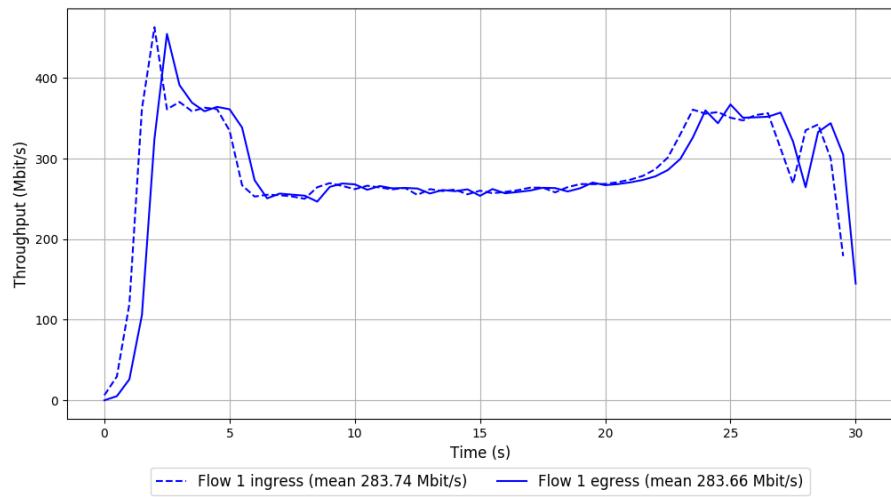


```
Run 1: Statistics of PCC-Expr
```

```
Start at: 2018-06-07 11:41:15
End at: 2018-06-07 11:41:45
Local clock offset: -0.013 ms
Remote clock offset: 0.216 ms

# Below is generated by plot.py at 2018-06-07 15:43:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 283.66 Mbit/s
95th percentile per-packet one-way delay: 53.210 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 283.66 Mbit/s
95th percentile per-packet one-way delay: 53.210 ms
Loss rate: 0.36%
```

Run 1: Report of PCC-Expr — Data Link

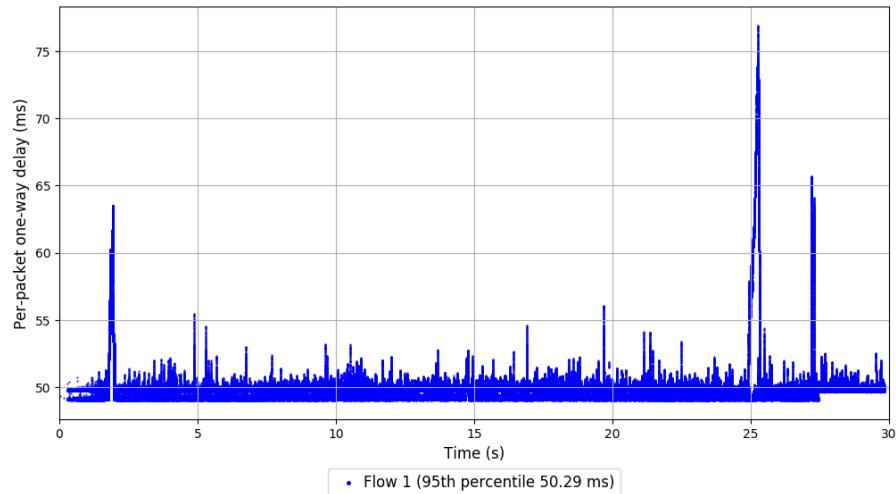
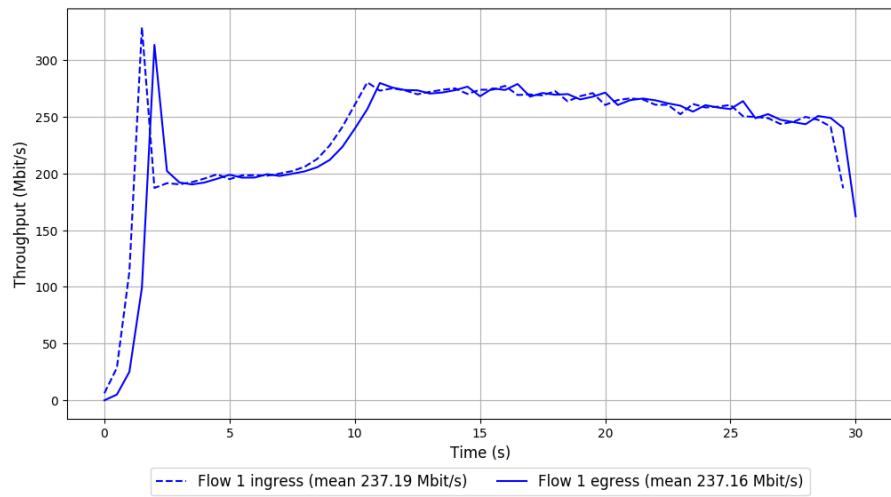


Run 2: Statistics of PCC-Expr

```
Start at: 2018-06-07 12:01:32
End at: 2018-06-07 12:02:02
Local clock offset: -0.368 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2018-06-07 15:43:42
# Datalink statistics
-- Total of 1 flow:
Average throughput: 237.16 Mbit/s
95th percentile per-packet one-way delay: 50.290 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 237.16 Mbit/s
95th percentile per-packet one-way delay: 50.290 ms
Loss rate: 0.35%
```

Run 2: Report of PCC-Expr — Data Link

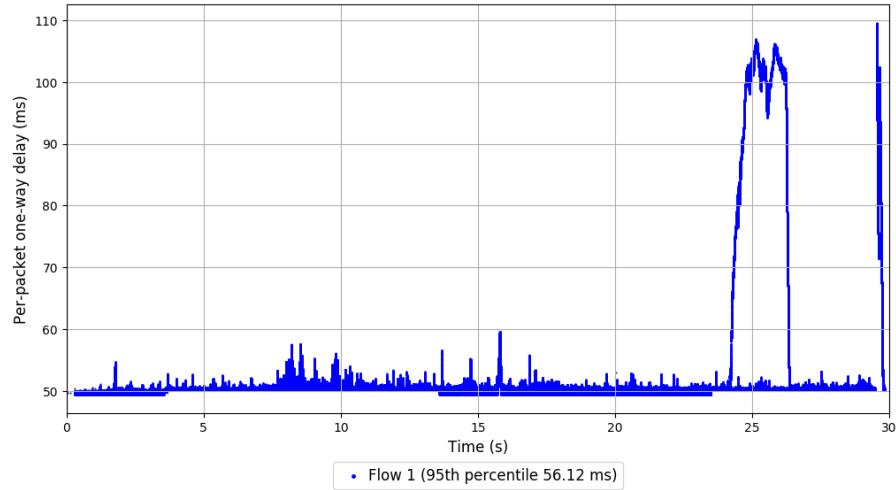
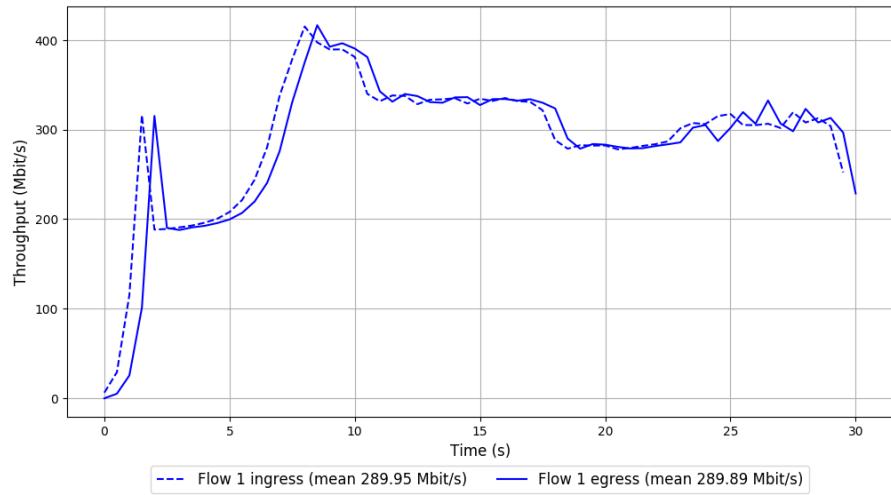


Run 3: Statistics of PCC-Expr

```
Start at: 2018-06-07 12:21:36
End at: 2018-06-07 12:22:06
Local clock offset: 0.033 ms
Remote clock offset: -0.056 ms

# Below is generated by plot.py at 2018-06-07 15:44:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 289.89 Mbit/s
95th percentile per-packet one-way delay: 56.117 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 289.89 Mbit/s
95th percentile per-packet one-way delay: 56.117 ms
Loss rate: 0.36%
```

Run 3: Report of PCC-Expr — Data Link

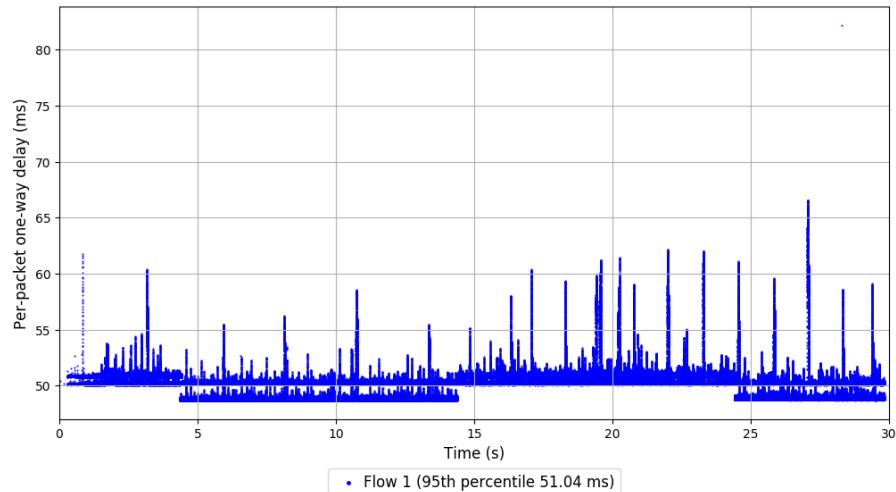
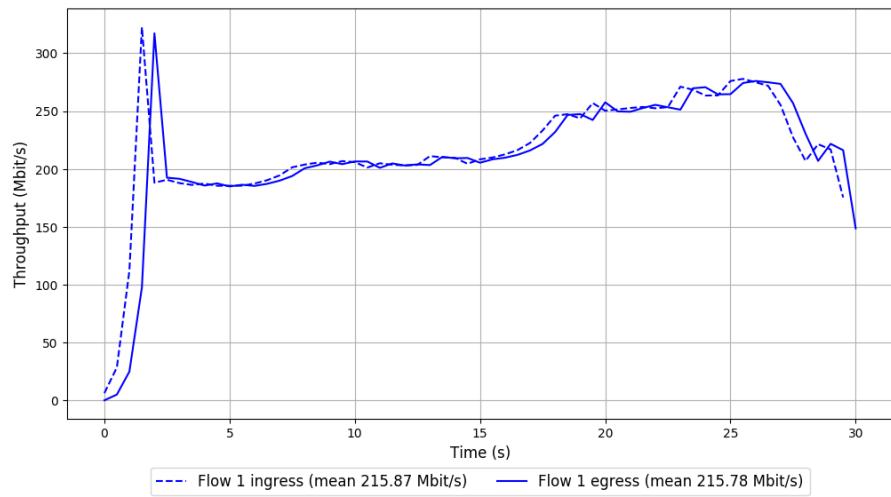


Run 4: Statistics of PCC-Expr

```
Start at: 2018-06-07 12:41:45
End at: 2018-06-07 12:42:15
Local clock offset: 0.009 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2018-06-07 15:44:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 215.78 Mbit/s
95th percentile per-packet one-way delay: 51.038 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 215.78 Mbit/s
95th percentile per-packet one-way delay: 51.038 ms
Loss rate: 0.37%
```

Run 4: Report of PCC-Expr — Data Link

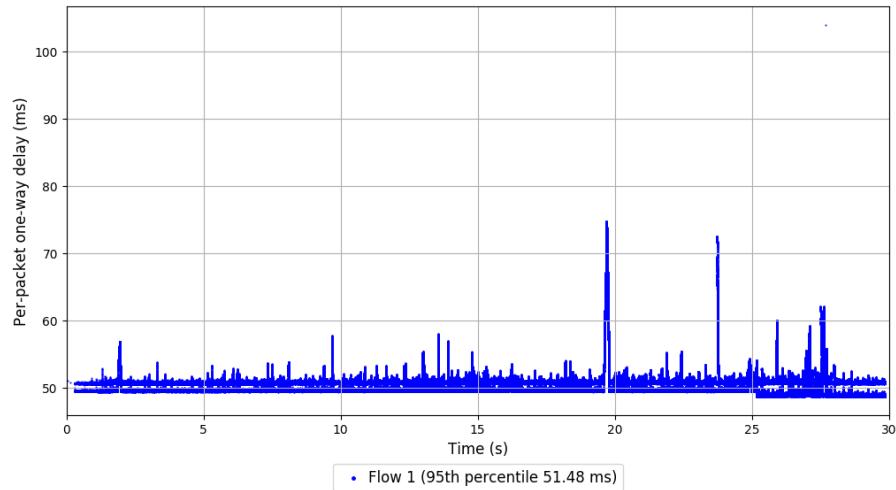
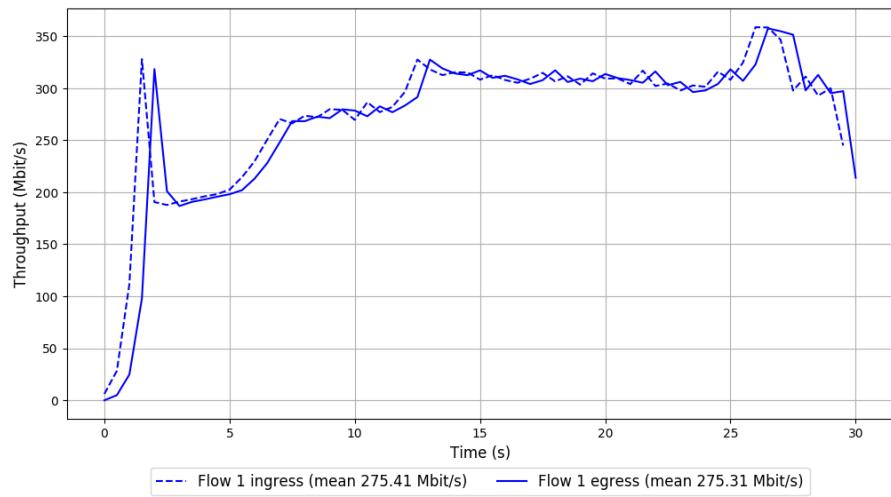


Run 5: Statistics of PCC-Expr

```
Start at: 2018-06-07 13:01:54
End at: 2018-06-07 13:02:24
Local clock offset: -0.007 ms
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2018-06-07 15:45:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 275.31 Mbit/s
95th percentile per-packet one-way delay: 51.475 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 275.31 Mbit/s
95th percentile per-packet one-way delay: 51.475 ms
Loss rate: 0.37%
```

Run 5: Report of PCC-Expr — Data Link

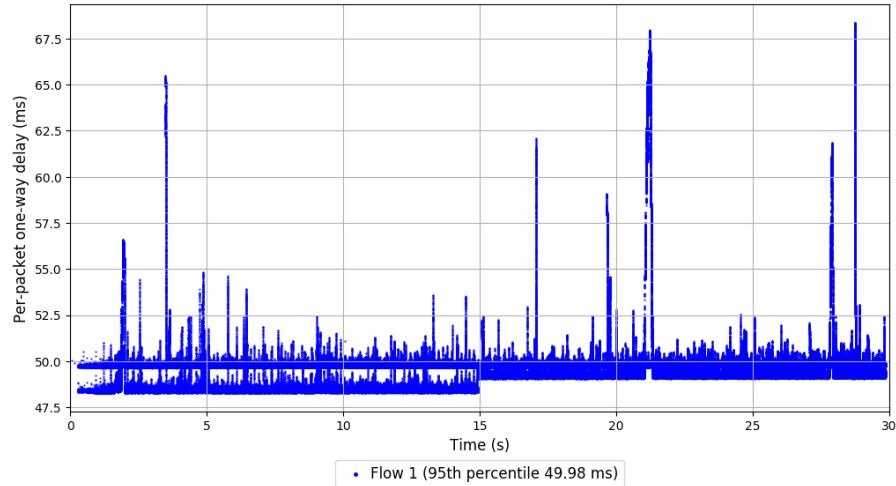
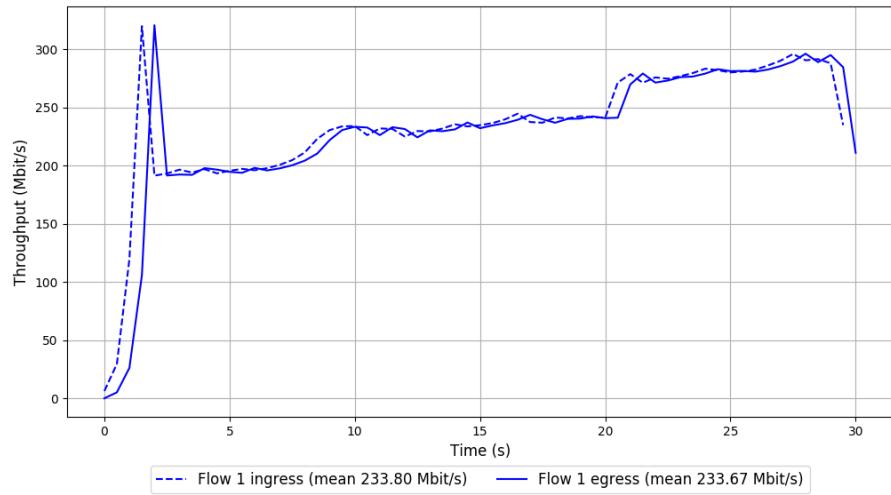


Run 6: Statistics of PCC-Expr

```
Start at: 2018-06-07 13:22:15
End at: 2018-06-07 13:22:45
Local clock offset: -0.372 ms
Remote clock offset: -0.079 ms

# Below is generated by plot.py at 2018-06-07 15:45:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 233.67 Mbit/s
95th percentile per-packet one-way delay: 49.985 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 233.67 Mbit/s
95th percentile per-packet one-way delay: 49.985 ms
Loss rate: 0.39%
```

Run 6: Report of PCC-Expr — Data Link

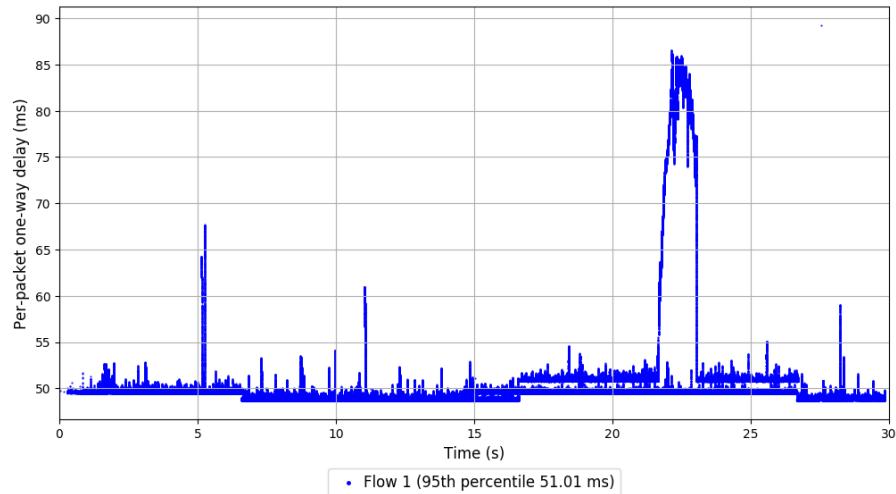
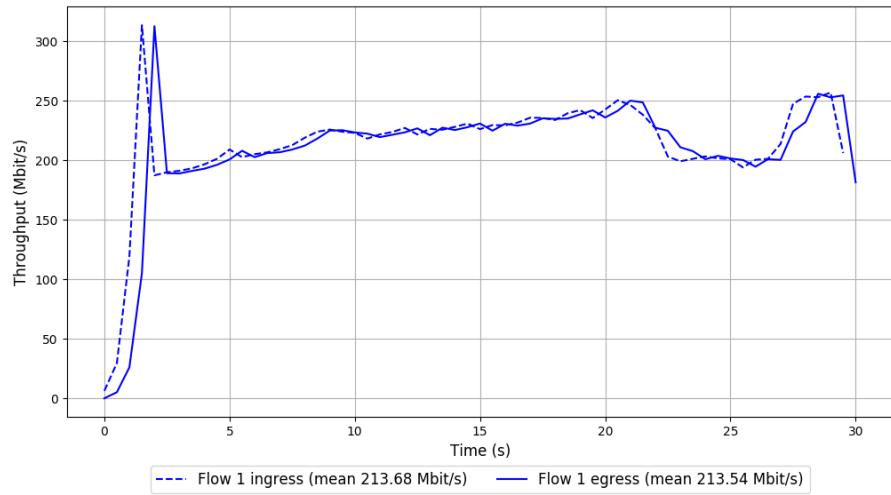


Run 7: Statistics of PCC-Expr

```
Start at: 2018-06-07 13:42:13
End at: 2018-06-07 13:42:43
Local clock offset: -0.059 ms
Remote clock offset: -0.14 ms

# Below is generated by plot.py at 2018-06-07 15:46:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.54 Mbit/s
95th percentile per-packet one-way delay: 51.009 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 213.54 Mbit/s
95th percentile per-packet one-way delay: 51.009 ms
Loss rate: 0.40%
```

Run 7: Report of PCC-Expr — Data Link

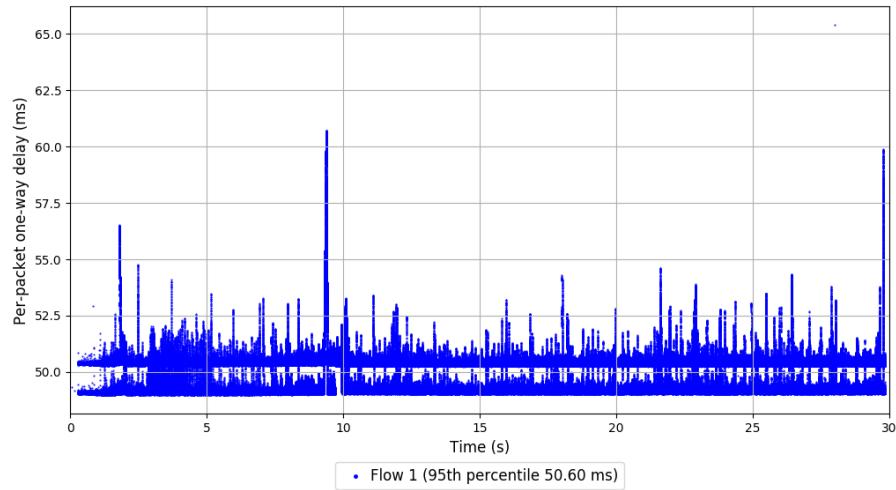
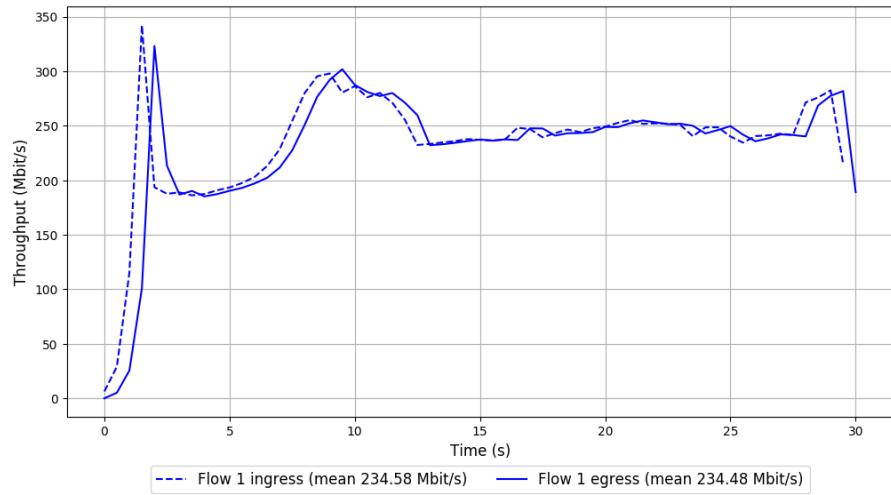


Run 8: Statistics of PCC-Expr

```
Start at: 2018-06-07 14:02:20
End at: 2018-06-07 14:02:50
Local clock offset: -0.478 ms
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2018-06-07 15:48:54
# Datalink statistics
-- Total of 1 flow:
Average throughput: 234.48 Mbit/s
95th percentile per-packet one-way delay: 50.603 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 234.48 Mbit/s
95th percentile per-packet one-way delay: 50.603 ms
Loss rate: 0.38%
```

Run 8: Report of PCC-Expr — Data Link

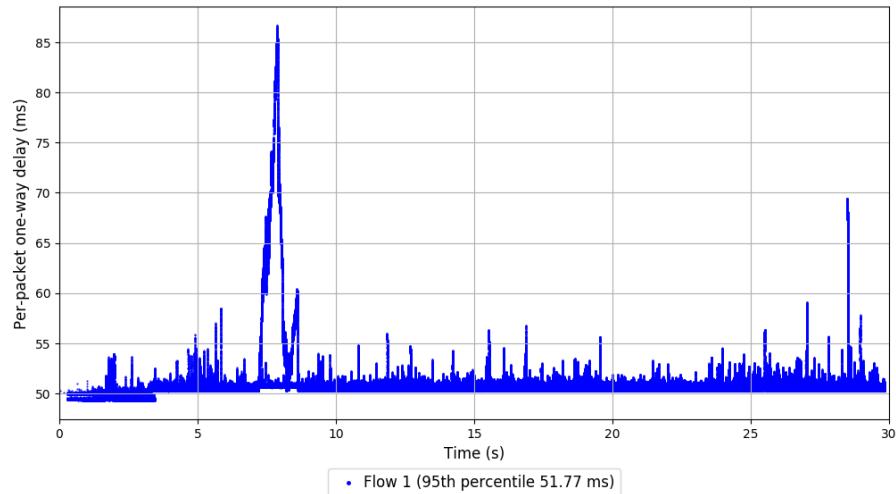
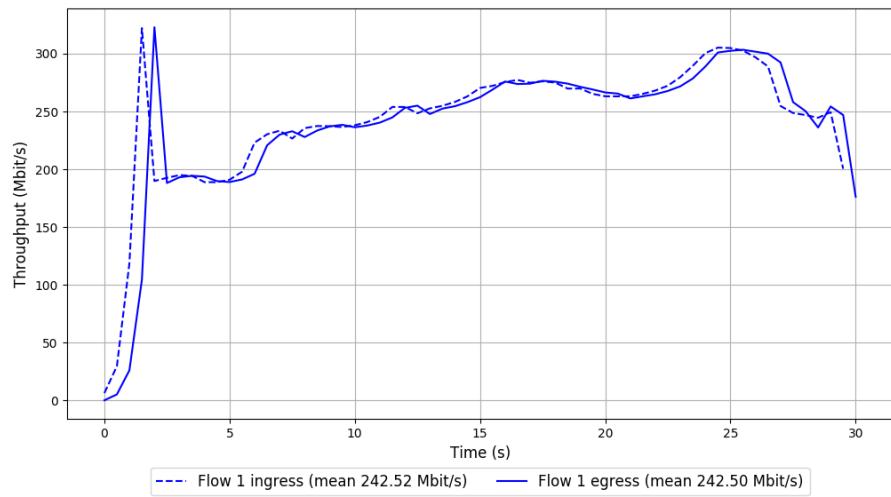


Run 9: Statistics of PCC-Expr

```
Start at: 2018-06-07 14:22:26
End at: 2018-06-07 14:22:56
Local clock offset: -0.23 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2018-06-07 15:49:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 242.50 Mbit/s
95th percentile per-packet one-way delay: 51.765 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 242.50 Mbit/s
95th percentile per-packet one-way delay: 51.765 ms
Loss rate: 0.35%
```

Run 9: Report of PCC-Expr — Data Link

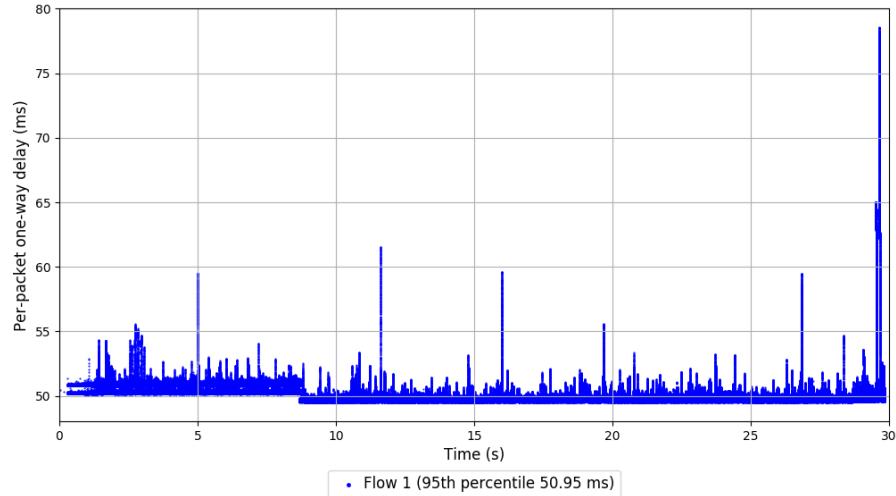
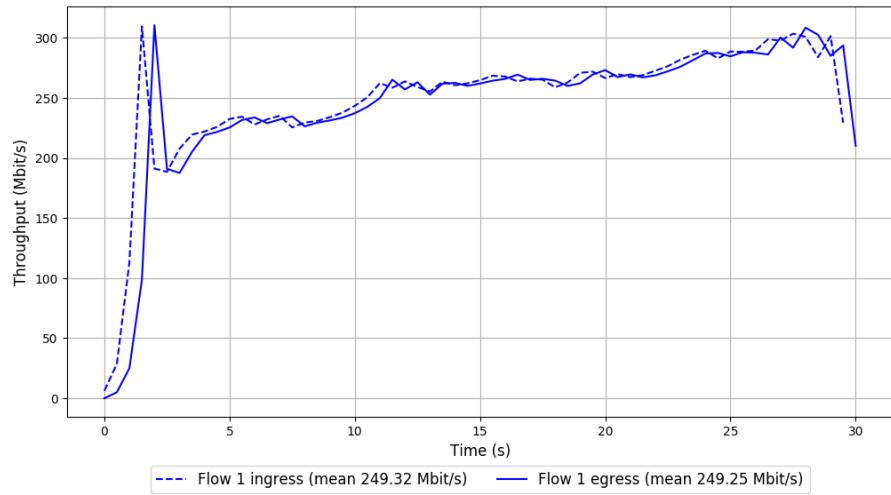


Run 10: Statistics of PCC-Expr

```
Start at: 2018-06-07 14:42:31
End at: 2018-06-07 14:43:01
Local clock offset: 0.086 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 249.25 Mbit/s
95th percentile per-packet one-way delay: 50.949 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 249.25 Mbit/s
95th percentile per-packet one-way delay: 50.949 ms
Loss rate: 0.37%
```

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

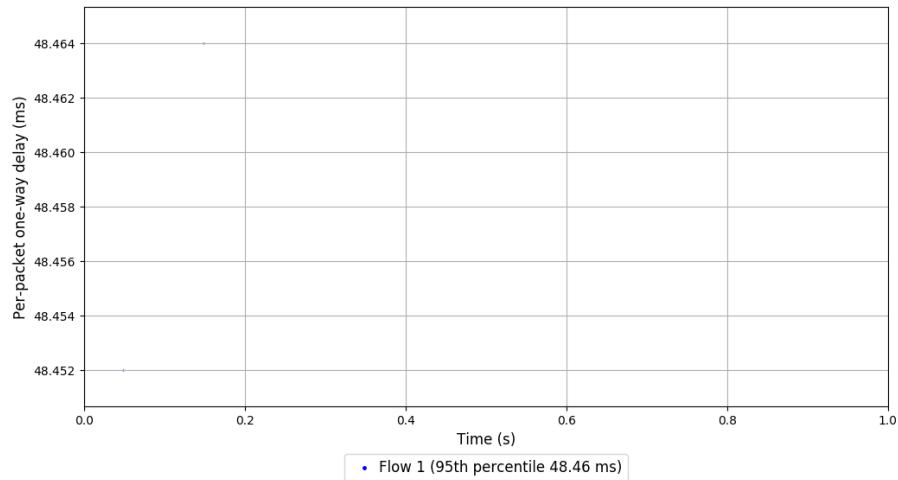
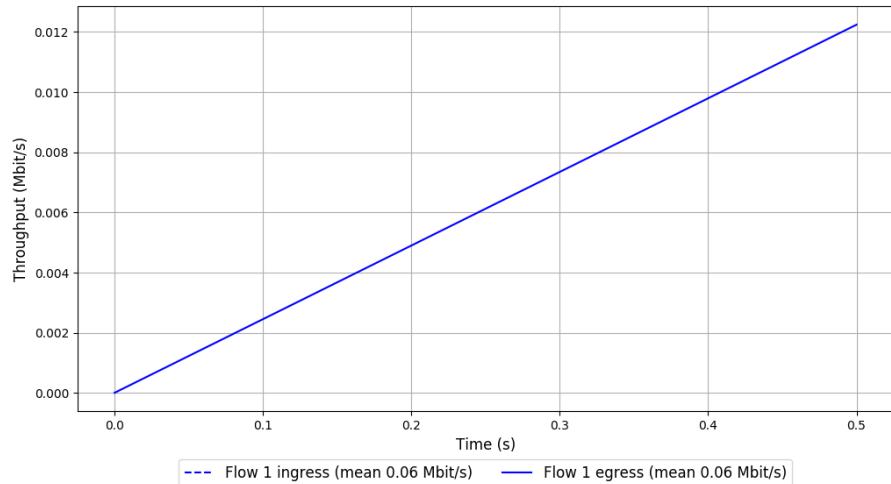
Start at: 2018-06-07 11:47:06

End at: 2018-06-07 11:47:37

Local clock offset: -0.422 ms

Remote clock offset: 0.105 ms

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

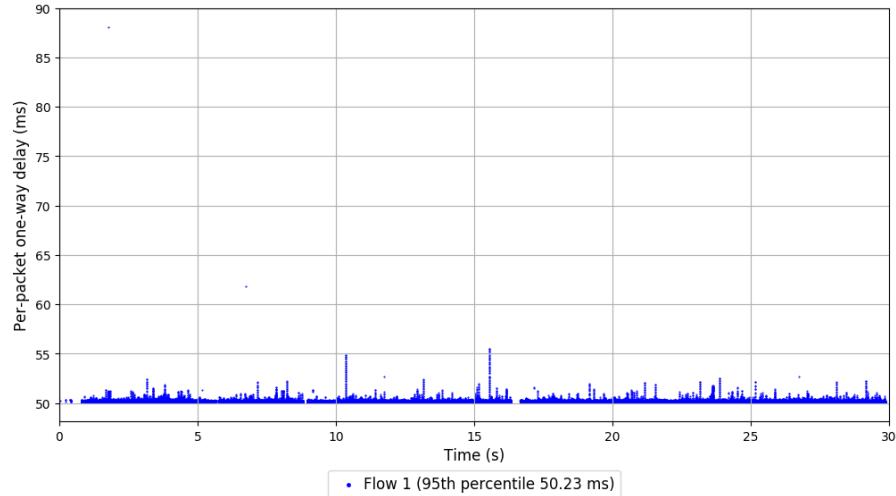
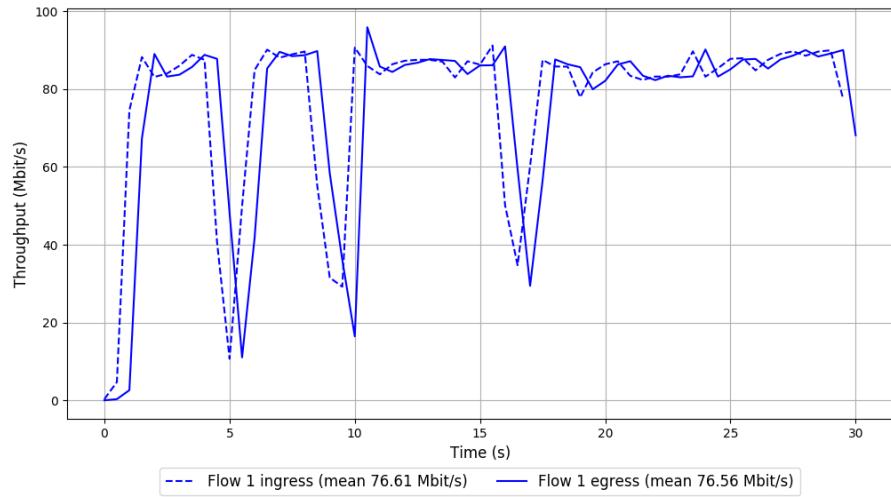


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-06-07 12:06:58
End at: 2018-06-07 12:07:29
Local clock offset: 0.001 ms
Remote clock offset: -0.031 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.56 Mbit/s
95th percentile per-packet one-way delay: 50.229 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 76.56 Mbit/s
95th percentile per-packet one-way delay: 50.229 ms
Loss rate: 0.41%
```

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

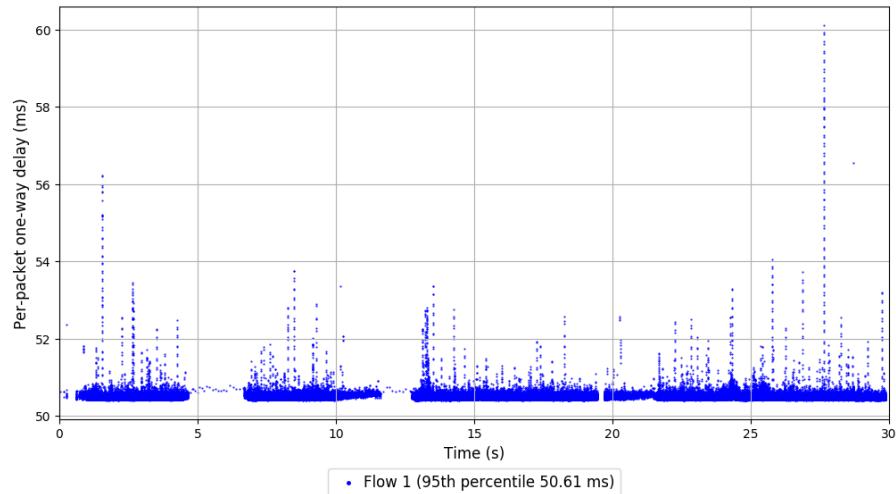
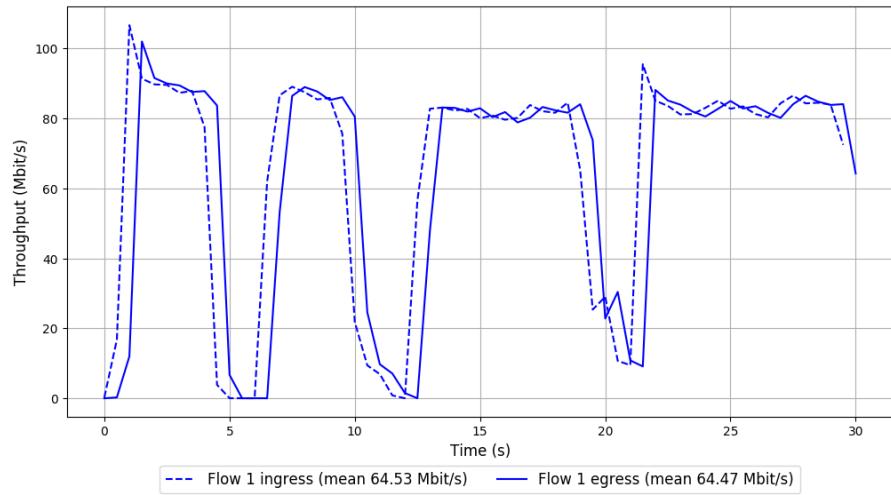


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-06-07 12:27:25
End at: 2018-06-07 12:27:55
Local clock offset: 0.382 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 64.47 Mbit/s
95th percentile per-packet one-way delay: 50.606 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 64.47 Mbit/s
95th percentile per-packet one-way delay: 50.606 ms
Loss rate: 0.44%
```

Run 3: Report of QUIC Cubic — Data Link

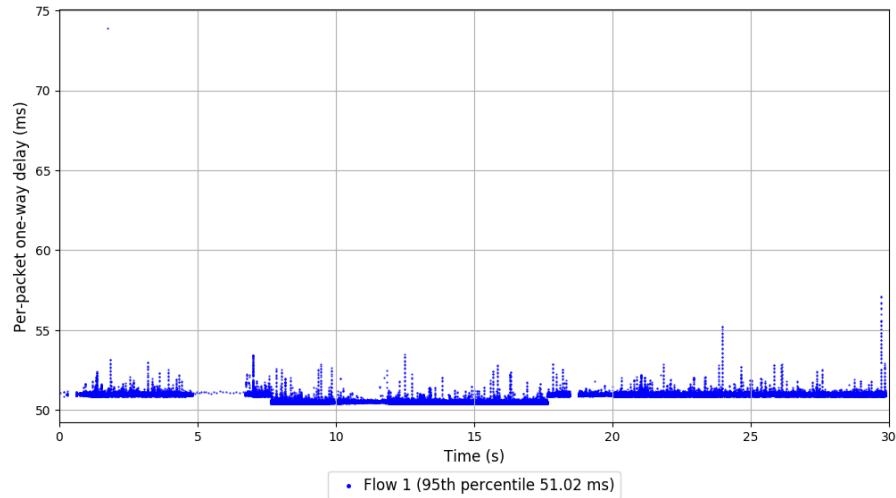
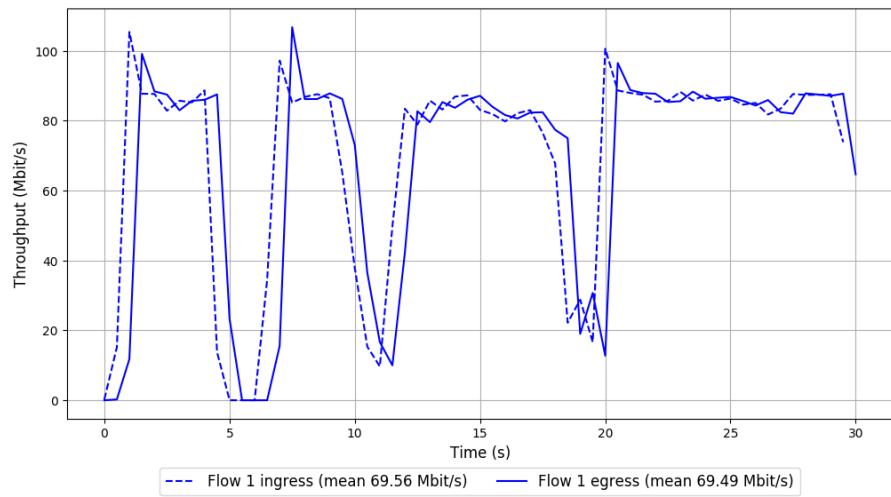


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-06-07 12:47:22
End at: 2018-06-07 12:47:52
Local clock offset: 0.368 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 69.49 Mbit/s
95th percentile per-packet one-way delay: 51.023 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 69.49 Mbit/s
95th percentile per-packet one-way delay: 51.023 ms
Loss rate: 0.44%
```

Run 4: Report of QUIC Cubic — Data Link

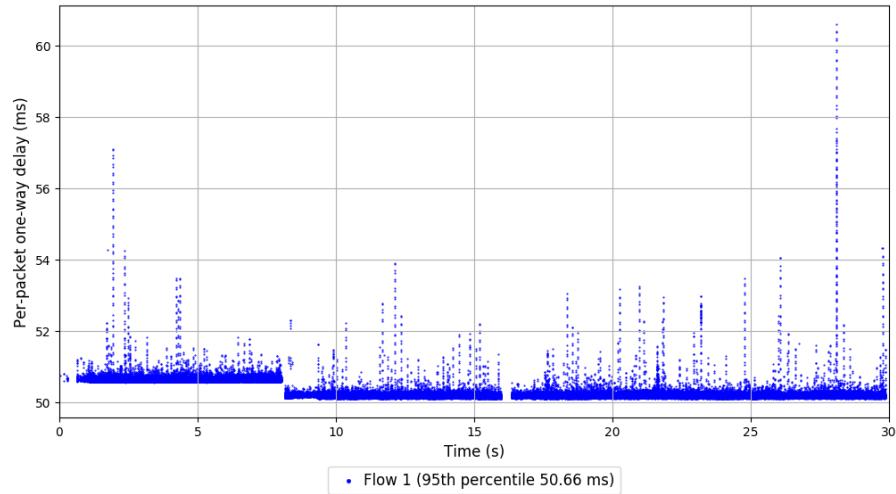
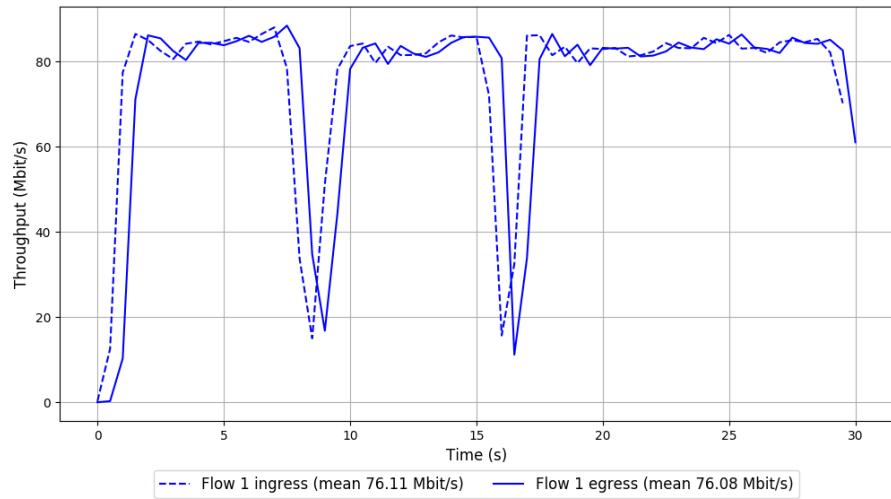


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-06-07 13:07:41
End at: 2018-06-07 13:08:11
Local clock offset: 0.076 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.08 Mbit/s
95th percentile per-packet one-way delay: 50.664 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 76.08 Mbit/s
95th percentile per-packet one-way delay: 50.664 ms
Loss rate: 0.39%
```

Run 5: Report of QUIC Cubic — Data Link

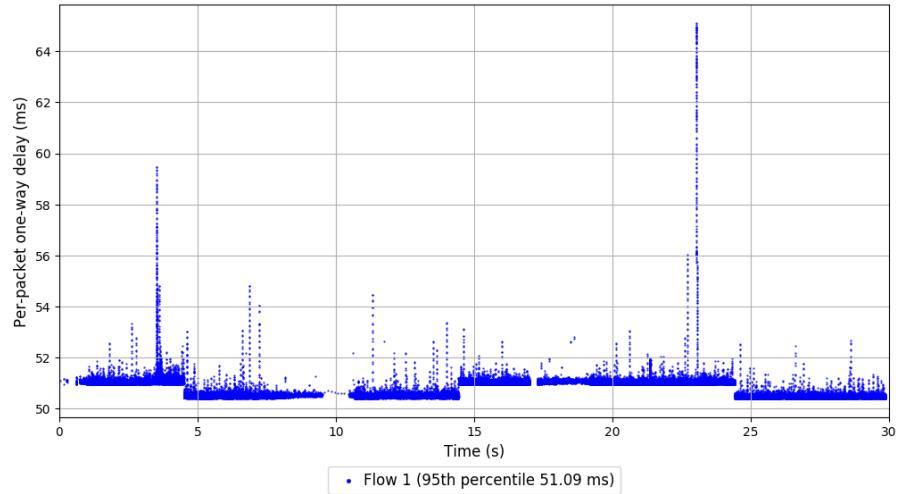
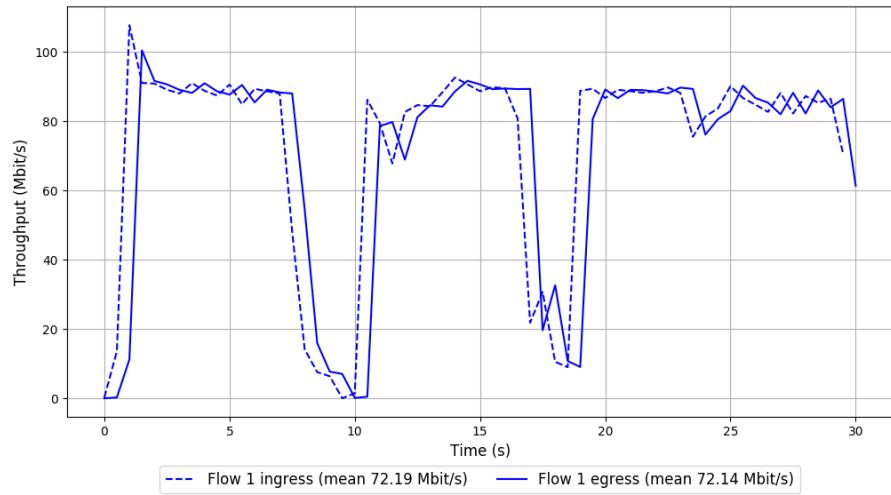


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-06-07 13:27:55
End at: 2018-06-07 13:28:25
Local clock offset: 0.383 ms
Remote clock offset: -0.035 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 72.14 Mbit/s
95th percentile per-packet one-way delay: 51.088 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 72.14 Mbit/s
95th percentile per-packet one-way delay: 51.088 ms
Loss rate: 0.41%
```

Run 6: Report of QUIC Cubic — Data Link

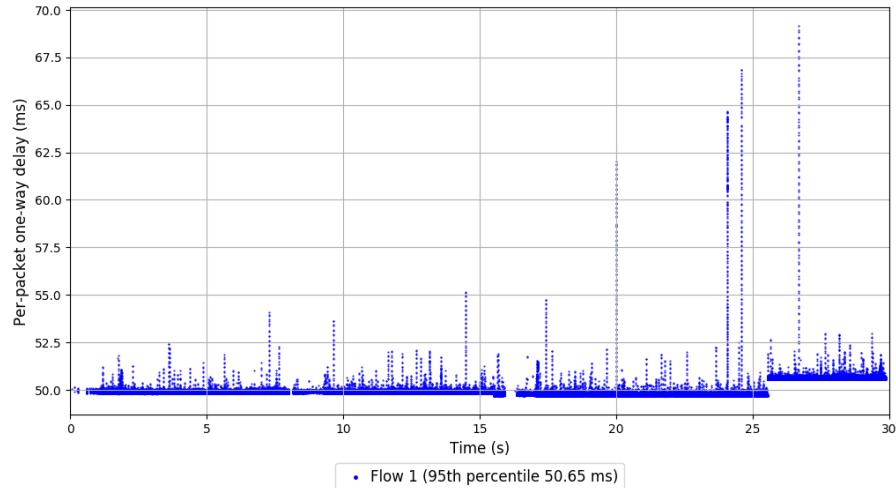
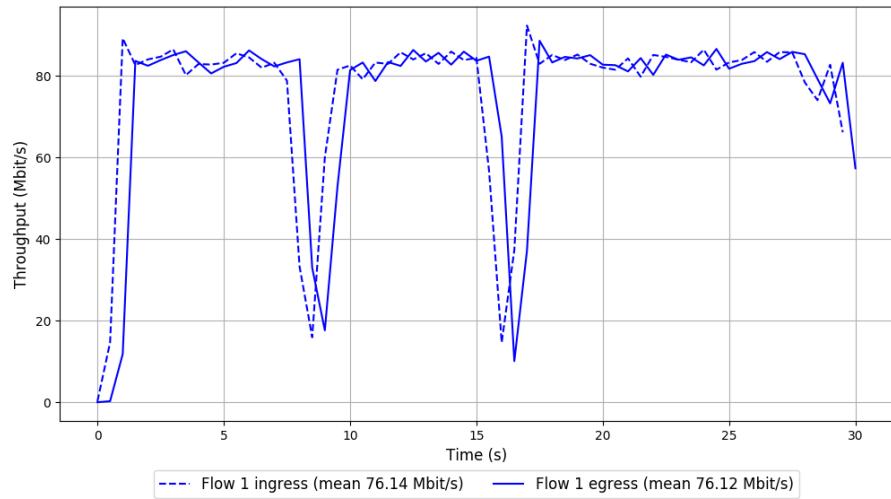


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-06-07 13:47:54
End at: 2018-06-07 13:48:24
Local clock offset: -0.031 ms
Remote clock offset: -0.102 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.12 Mbit/s
95th percentile per-packet one-way delay: 50.648 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 76.12 Mbit/s
95th percentile per-packet one-way delay: 50.648 ms
Loss rate: 0.37%
```

Run 7: Report of QUIC Cubic — Data Link

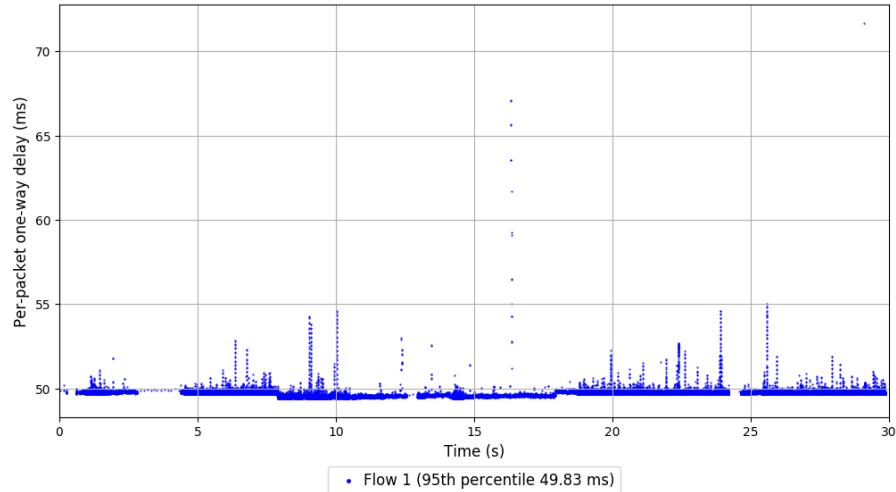
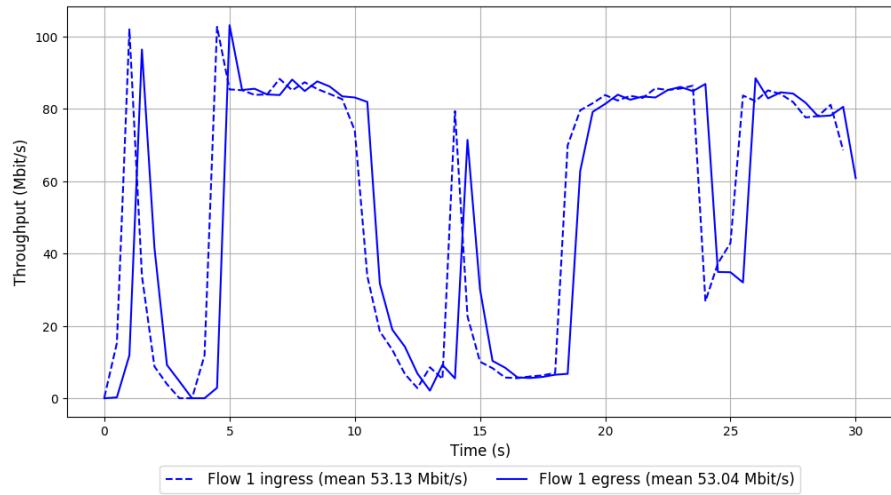


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-06-07 14:08:02
End at: 2018-06-07 14:08:32
Local clock offset: -0.076 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.04 Mbit/s
95th percentile per-packet one-way delay: 49.826 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 53.04 Mbit/s
95th percentile per-packet one-way delay: 49.826 ms
Loss rate: 0.51%
```

Run 8: Report of QUIC Cubic — Data Link

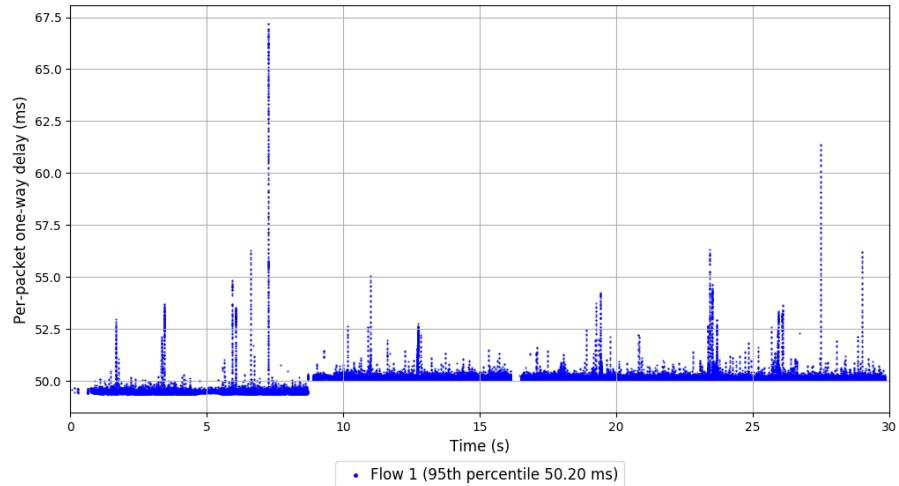
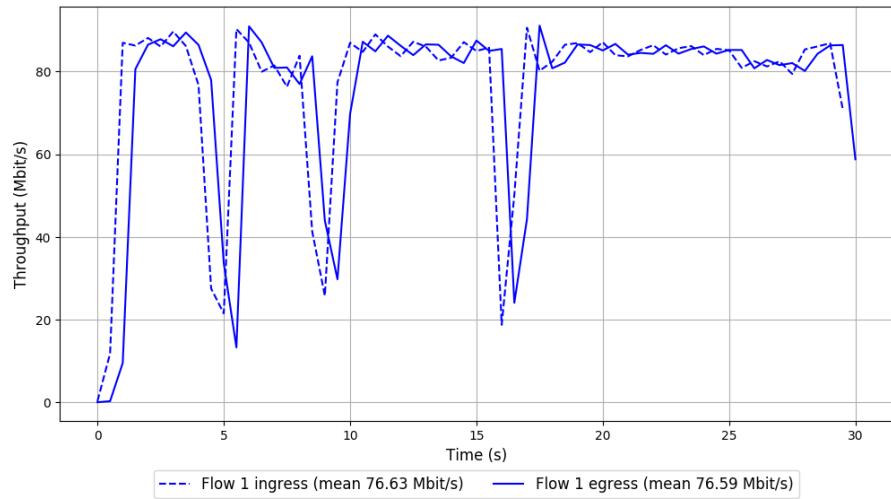


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-06-07 14:28:11
End at: 2018-06-07 14:28:41
Local clock offset: -0.438 ms
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.59 Mbit/s
95th percentile per-packet one-way delay: 50.199 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 76.59 Mbit/s
95th percentile per-packet one-way delay: 50.199 ms
Loss rate: 0.46%
```

Run 9: Report of QUIC Cubic — Data Link

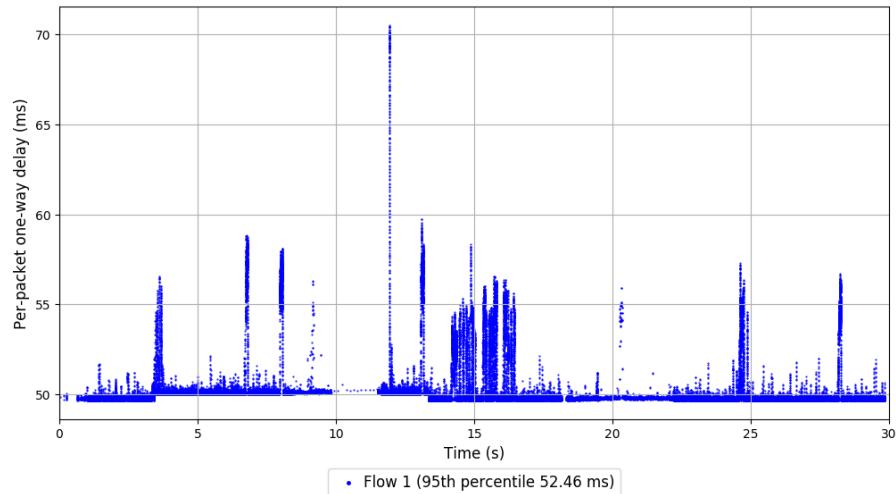
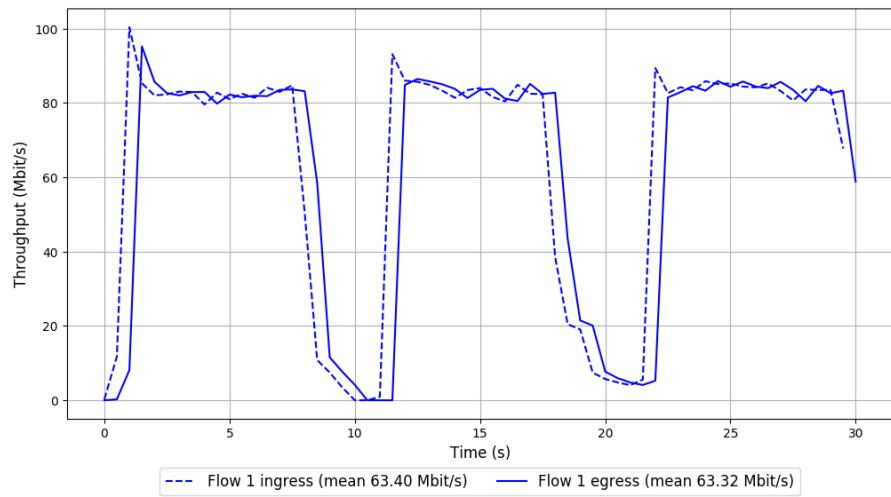


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-06-07 14:48:06
End at: 2018-06-07 14:48:36
Local clock offset: -0.379 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.32 Mbit/s
95th percentile per-packet one-way delay: 52.460 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 63.32 Mbit/s
95th percentile per-packet one-way delay: 52.460 ms
Loss rate: 0.45%
```

Run 10: Report of QUIC Cubic — Data Link

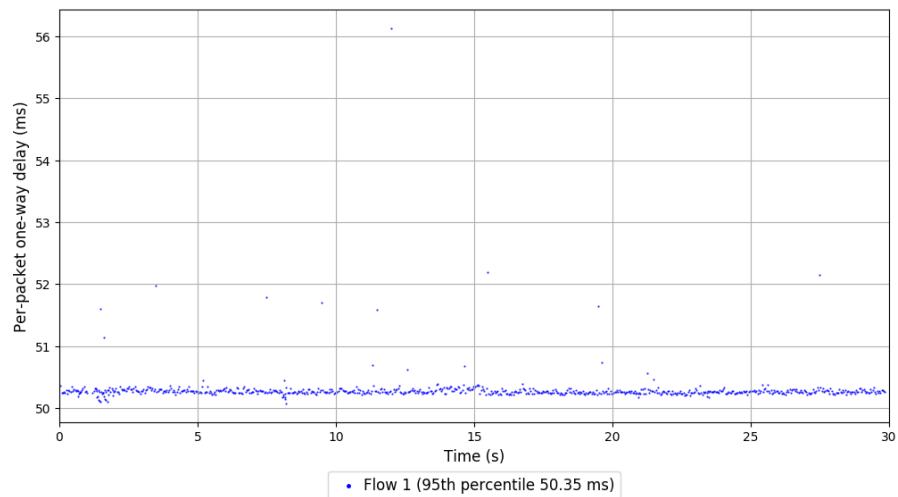
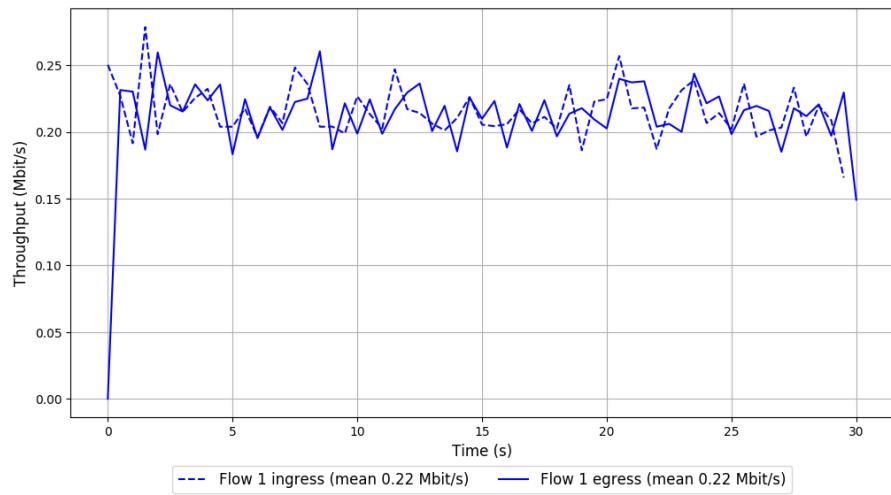


Run 1: Statistics of SCReAM

```
Start at: 2018-06-07 11:35:06
End at: 2018-06-07 11:35:36
Local clock offset: -0.039 ms
Remote clock offset: 0.217 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.350 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.350 ms
Loss rate: 0.25%
```

Run 1: Report of SCReAM — Data Link

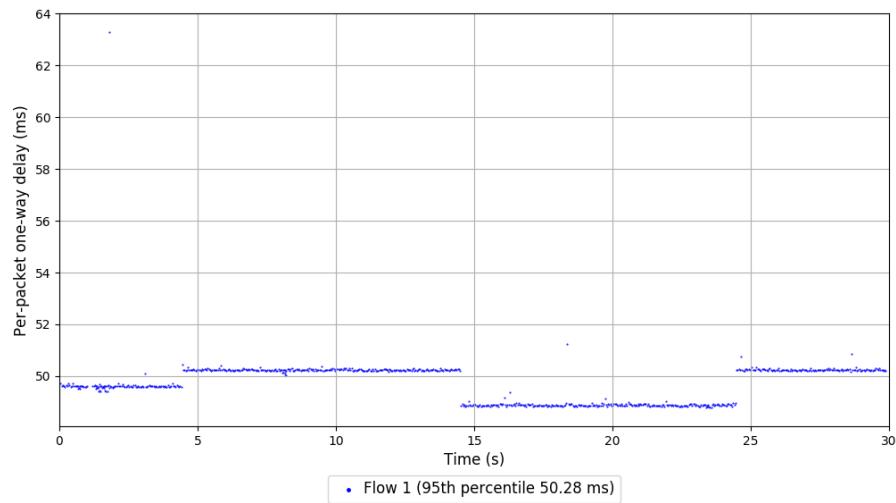
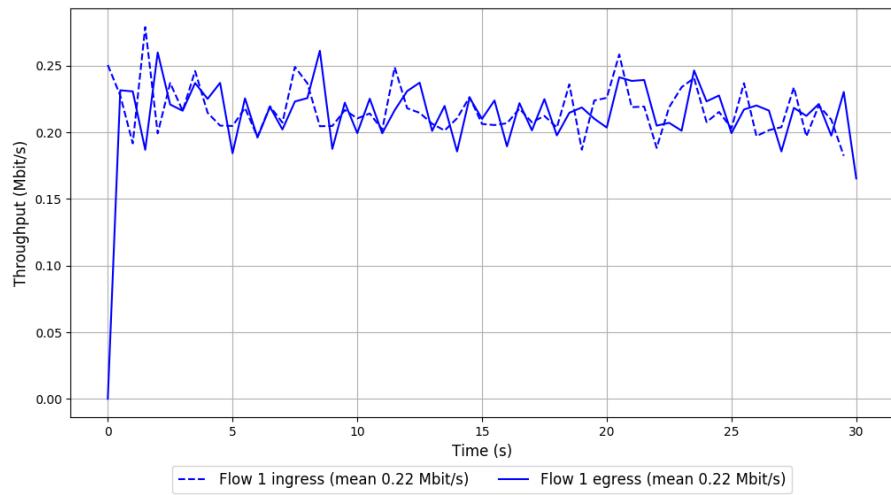


Run 2: Statistics of SCReAM

```
Start at: 2018-06-07 11:55:25
End at: 2018-06-07 11:55:55
Local clock offset: 0.003 ms
Remote clock offset: 0.071 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.279 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.279 ms
Loss rate: 0.26%
```

Run 2: Report of SCReAM — Data Link

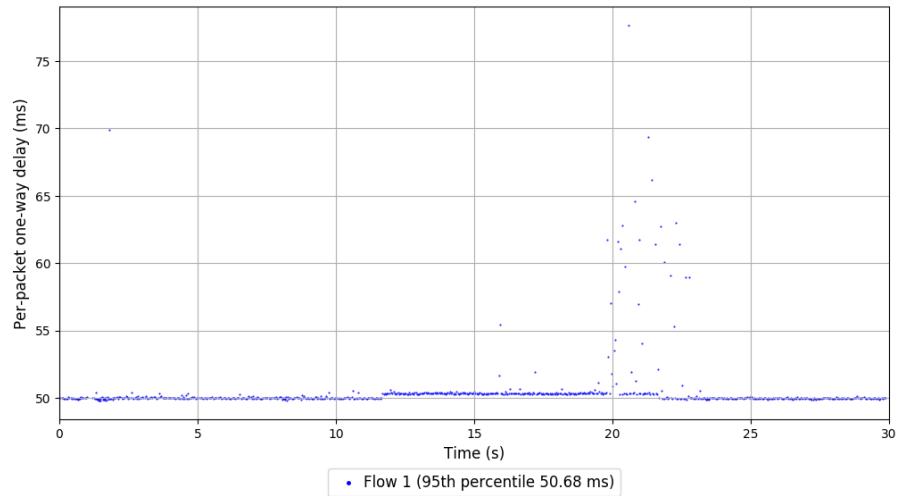
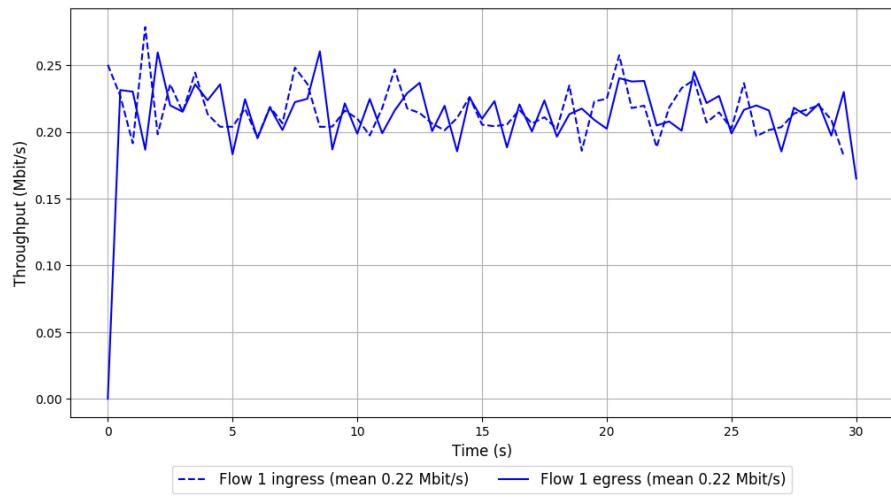


Run 3: Statistics of SCReAM

```
Start at: 2018-06-07 12:15:28
End at: 2018-06-07 12:15:58
Local clock offset: -0.348 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.684 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.684 ms
Loss rate: 0.26%
```

Run 3: Report of SCReAM — Data Link

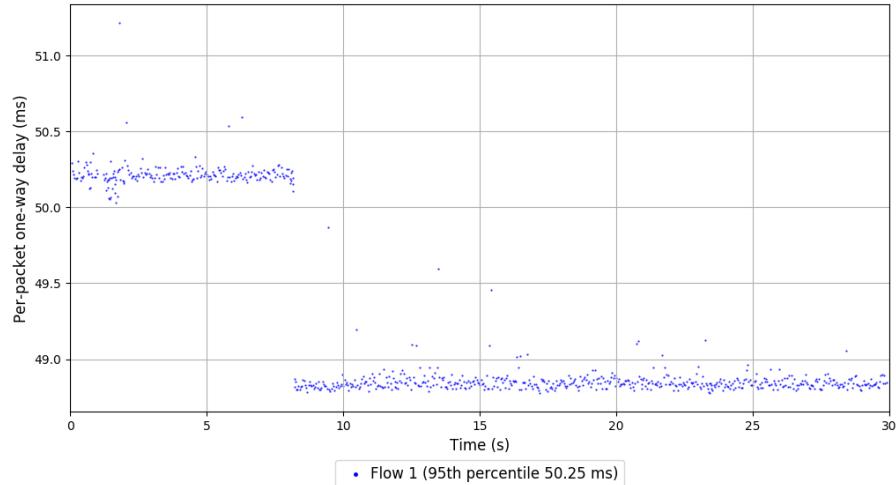
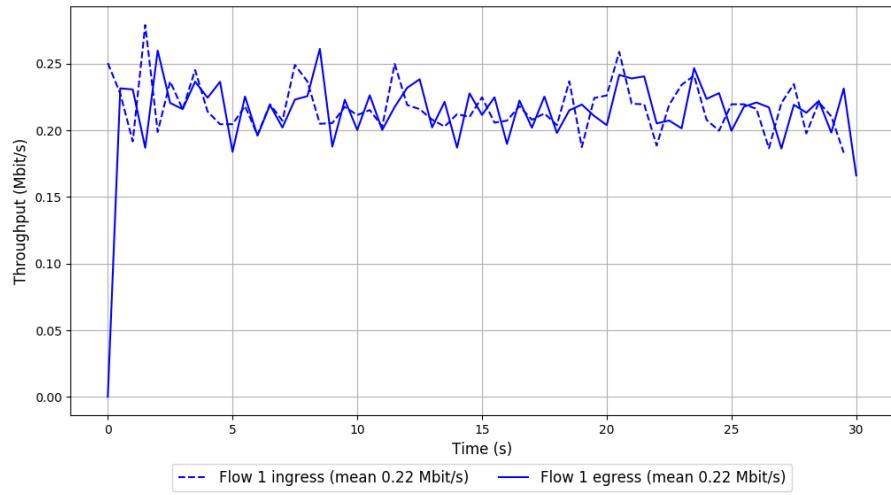


Run 4: Statistics of SCReAM

```
Start at: 2018-06-07 12:35:41
End at: 2018-06-07 12:36:11
Local clock offset: -0.019 ms
Remote clock offset: -0.029 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.250 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.250 ms
Loss rate: 0.26%
```

Run 4: Report of SCReAM — Data Link

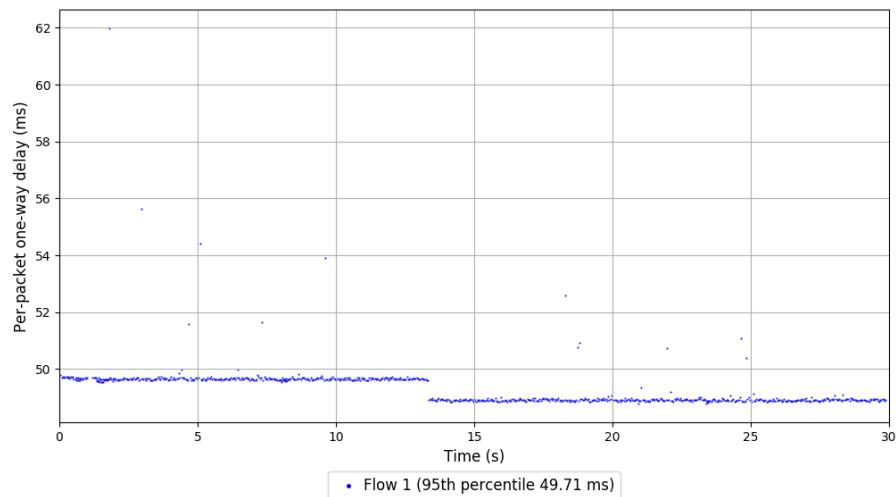
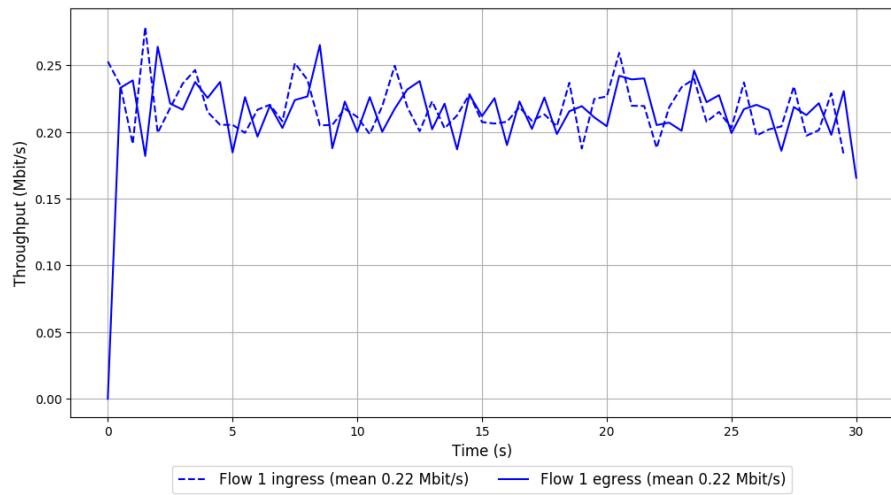


Run 5: Statistics of SCReAM

```
Start at: 2018-06-07 12:55:46
End at: 2018-06-07 12:56:16
Local clock offset: 0.007 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.706 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.706 ms
Loss rate: 0.26%
```

Run 5: Report of SCReAM — Data Link

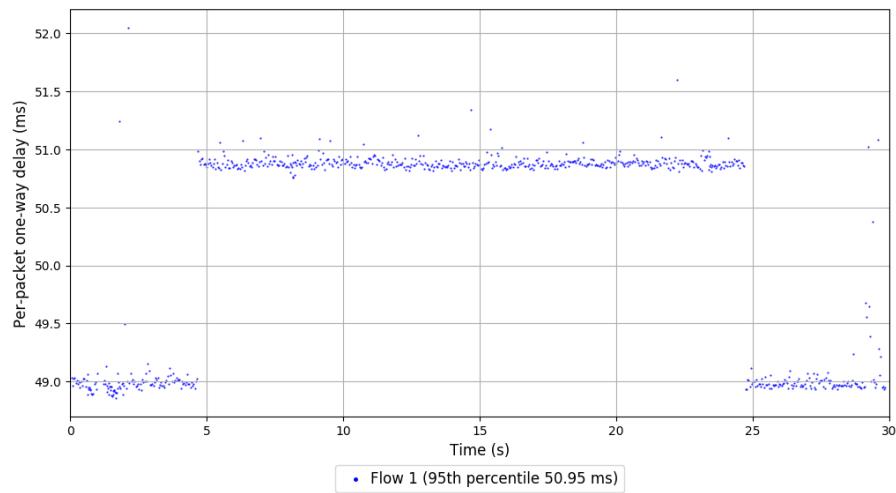
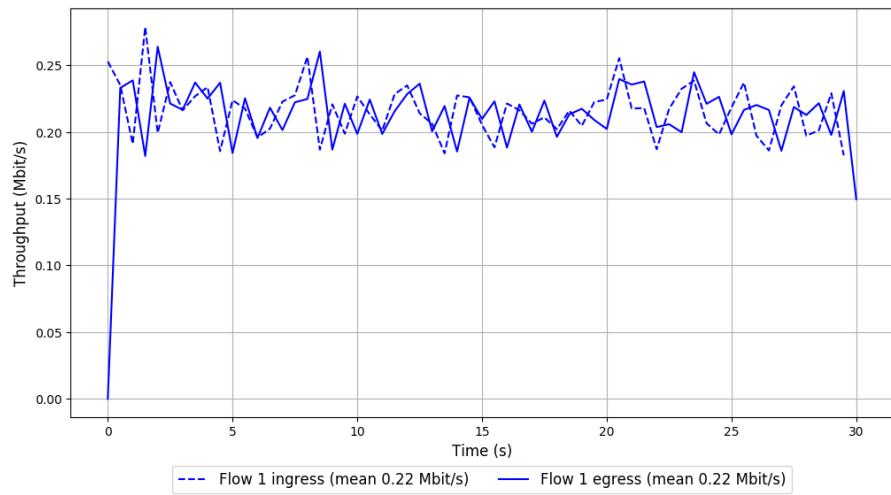


Run 6: Statistics of SCReAM

```
Start at: 2018-06-07 13:16:05
End at: 2018-06-07 13:16:35
Local clock offset: 0.059 ms
Remote clock offset: -0.083 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.950 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.950 ms
Loss rate: 0.38%
```

Run 6: Report of SCReAM — Data Link

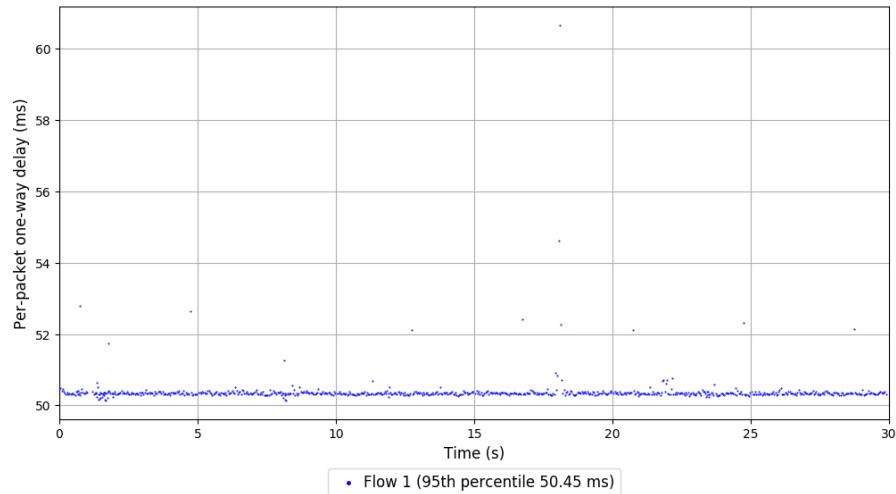
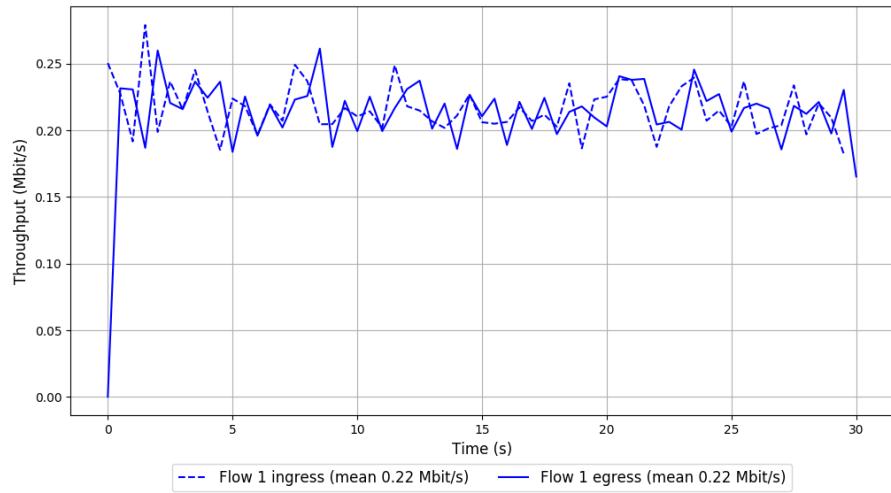


Run 7: Statistics of SCReAM

```
Start at: 2018-06-07 13:36:13
End at: 2018-06-07 13:36:43
Local clock offset: -0.033 ms
Remote clock offset: -0.125 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.450 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.450 ms
Loss rate: 0.26%
```

Run 7: Report of SCReAM — Data Link

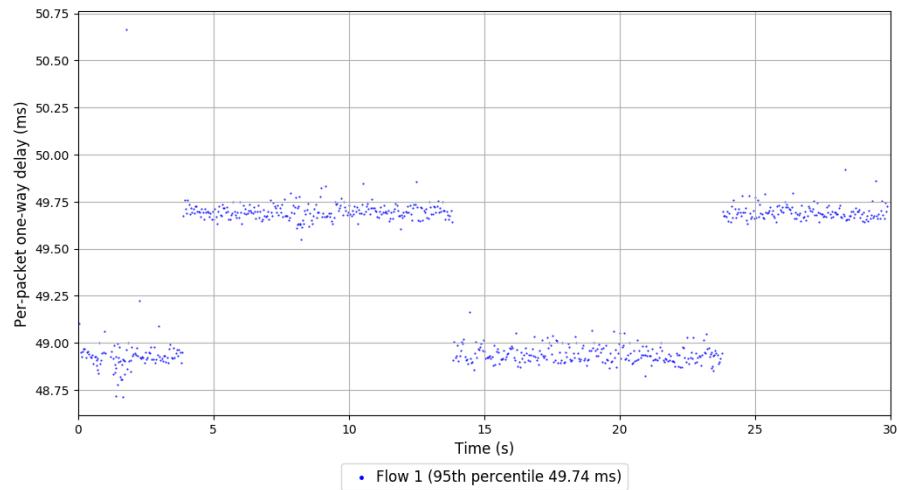
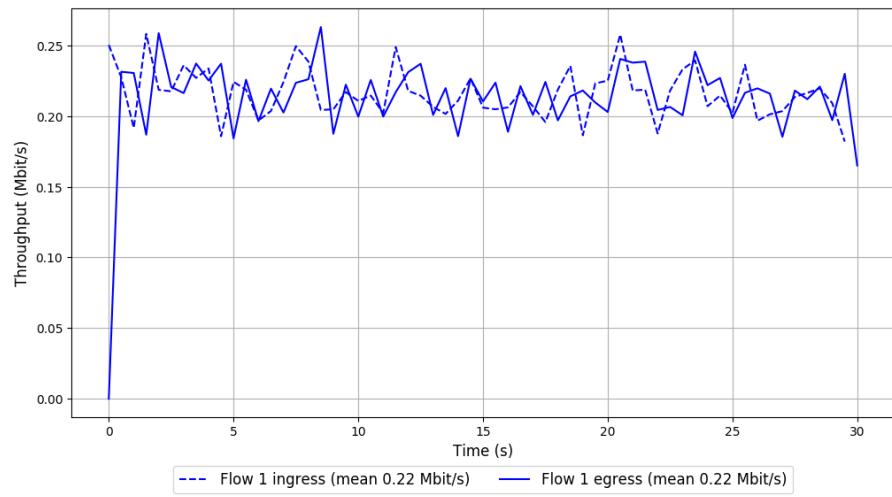


Run 8: Statistics of SCReAM

```
Start at: 2018-06-07 13:56:16
End at: 2018-06-07 13:56:46
Local clock offset: -0.04 ms
Remote clock offset: -0.084 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.740 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 49.740 ms
Loss rate: 0.26%
```

Run 8: Report of SCReAM — Data Link

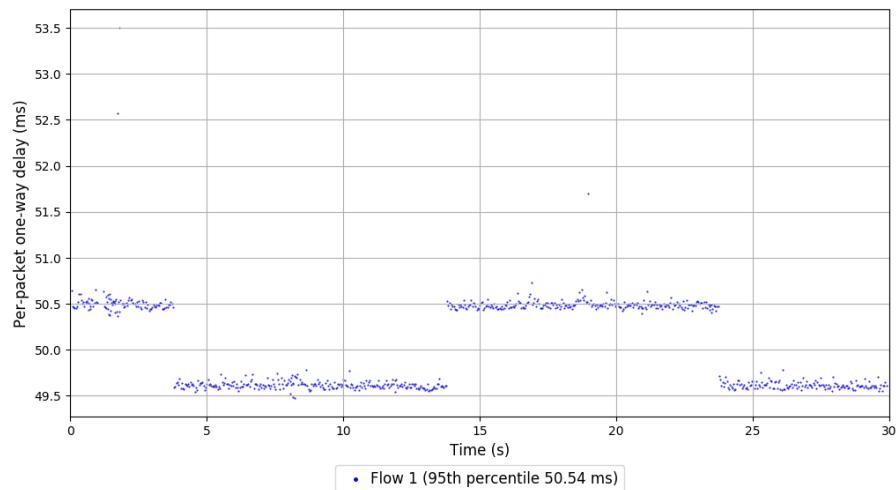
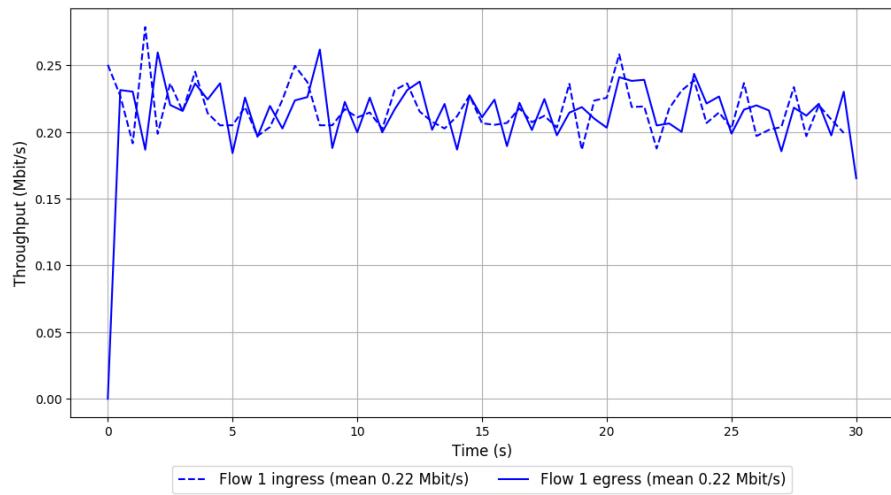


Run 9: Statistics of SCReAM

```
Start at: 2018-06-07 14:16:26
End at: 2018-06-07 14:16:56
Local clock offset: -0.318 ms
Remote clock offset: 0.02 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.539 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.539 ms
Loss rate: 0.39%
```

Run 9: Report of SCReAM — Data Link

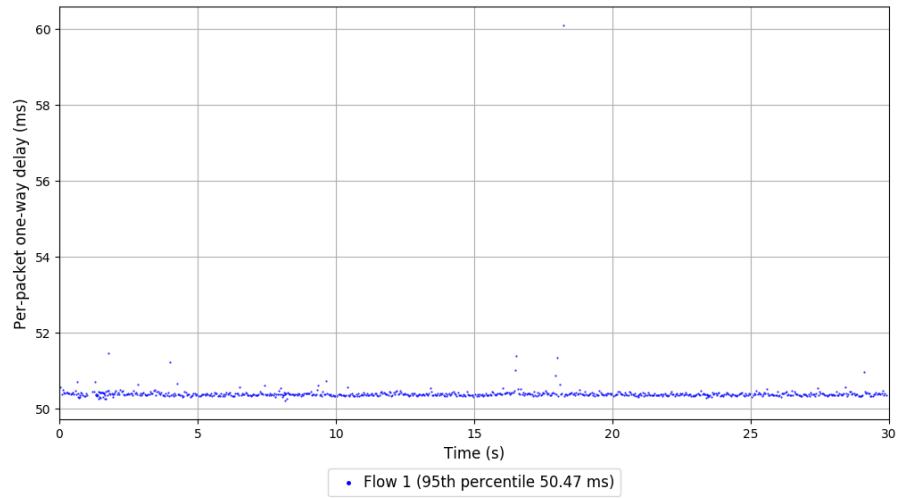
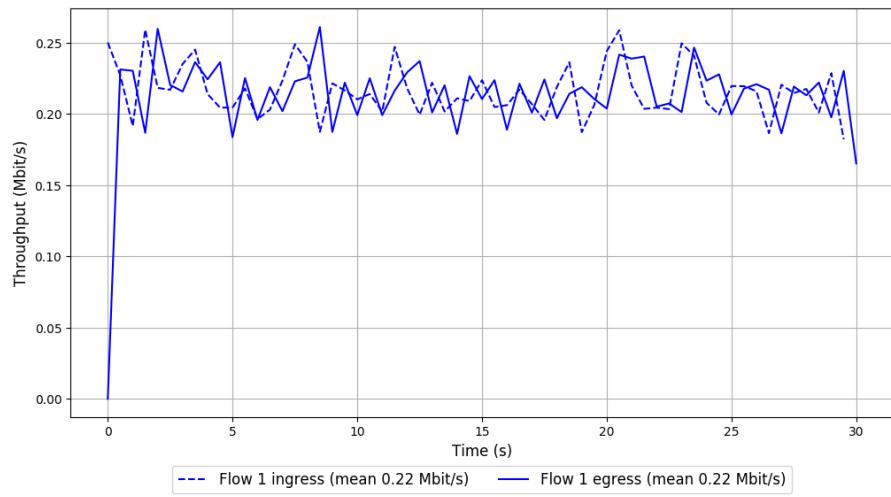


Run 10: Statistics of SCReAM

```
Start at: 2018-06-07 14:36:29
End at: 2018-06-07 14:36:59
Local clock offset: 0.024 ms
Remote clock offset: -0.071 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.472 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 50.472 ms
Loss rate: 0.26%
```

Run 10: Report of SCReAM — Data Link

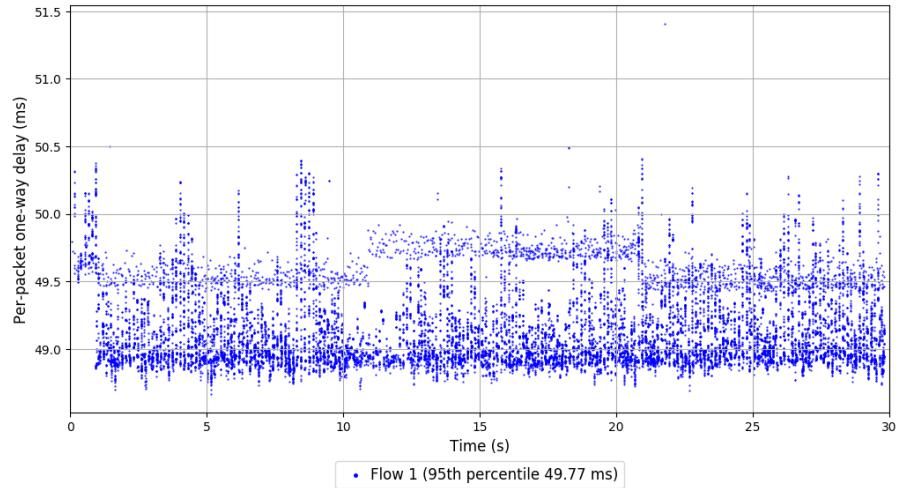
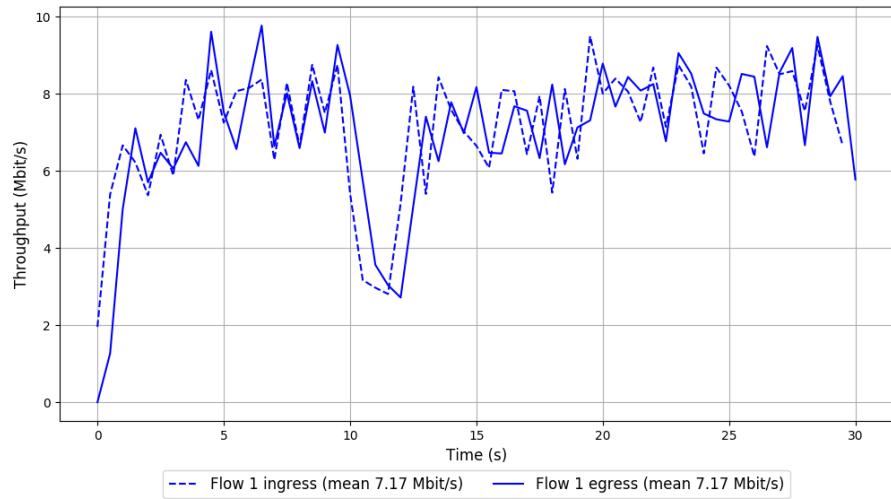


Run 1: Statistics of Sprout

```
Start at: 2018-06-07 11:40:09
End at: 2018-06-07 11:40:39
Local clock offset: -0.02 ms
Remote clock offset: 0.232 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 49.775 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 7.17 Mbit/s
95th percentile per-packet one-way delay: 49.775 ms
Loss rate: 0.36%
```

Run 1: Report of Sprout — Data Link

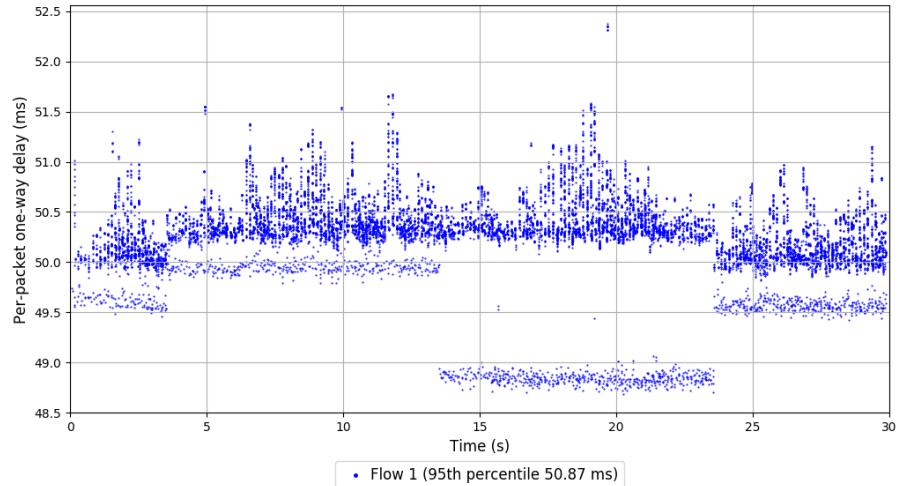
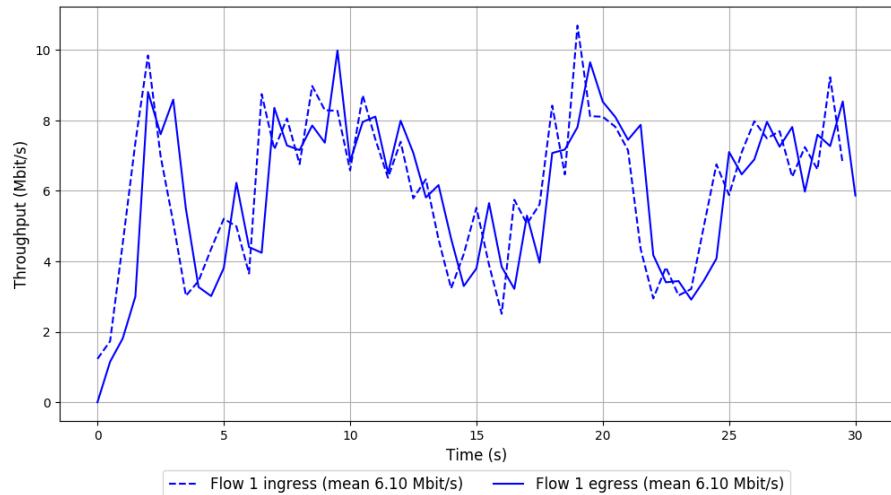


Run 2: Statistics of Sprout

```
Start at: 2018-06-07 12:00:26
End at: 2018-06-07 12:00:56
Local clock offset: 0.023 ms
Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.10 Mbit/s
95th percentile per-packet one-way delay: 50.869 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 6.10 Mbit/s
95th percentile per-packet one-way delay: 50.869 ms
Loss rate: 0.43%
```

## Run 2: Report of Sprout — Data Link

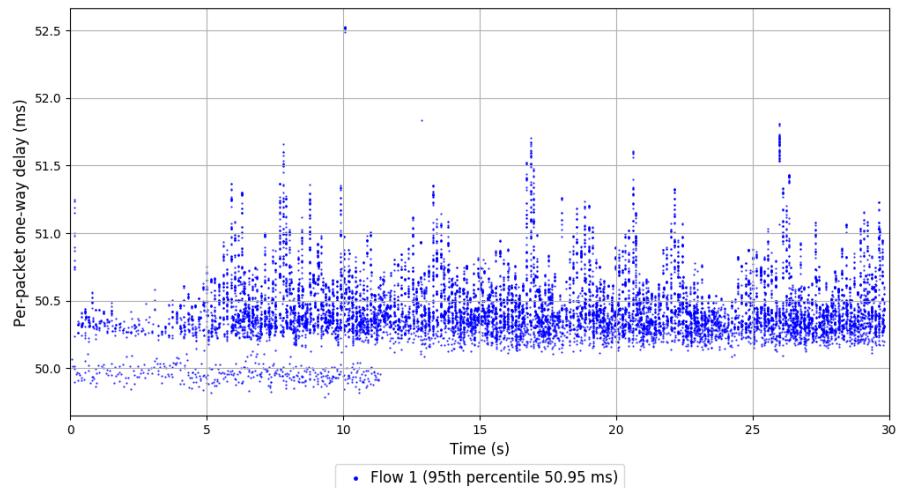
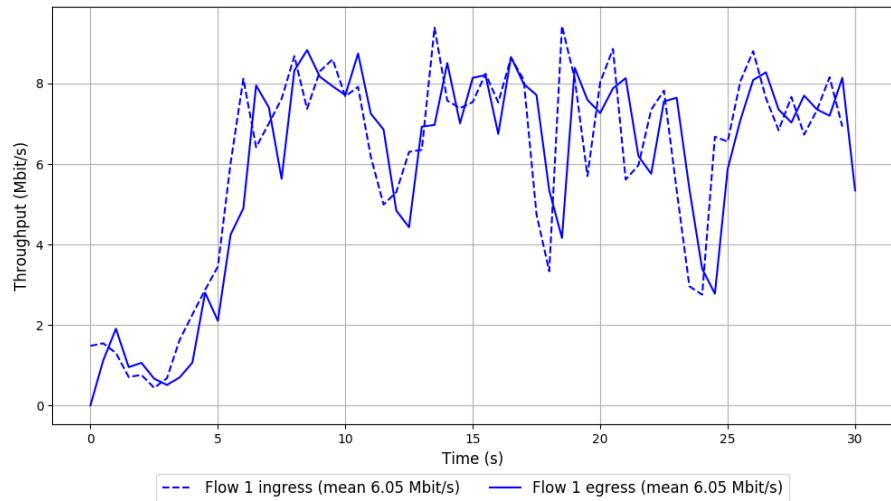


Run 3: Statistics of Sprout

```
Start at: 2018-06-07 12:20:30
End at: 2018-06-07 12:21:00
Local clock offset: 0.02 ms
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.05 Mbit/s
95th percentile per-packet one-way delay: 50.955 ms
Loss rate: 0.54%
-- Flow 1:
Average throughput: 6.05 Mbit/s
95th percentile per-packet one-way delay: 50.955 ms
Loss rate: 0.54%
```

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

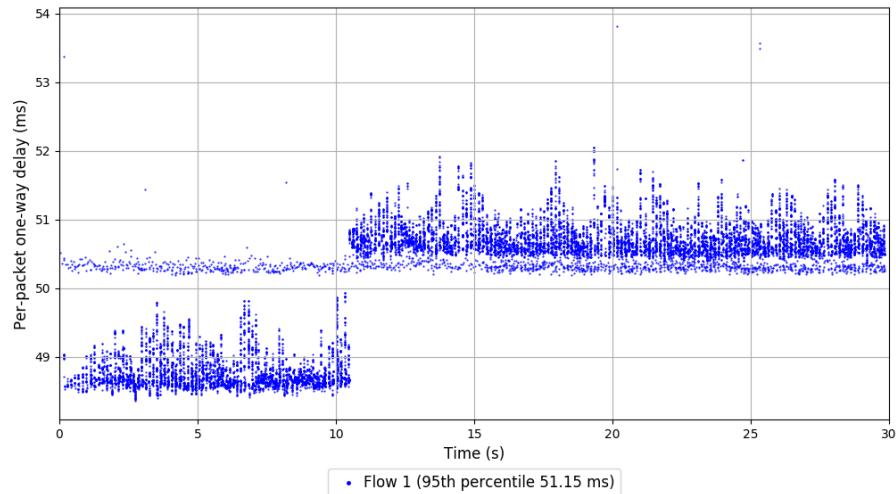
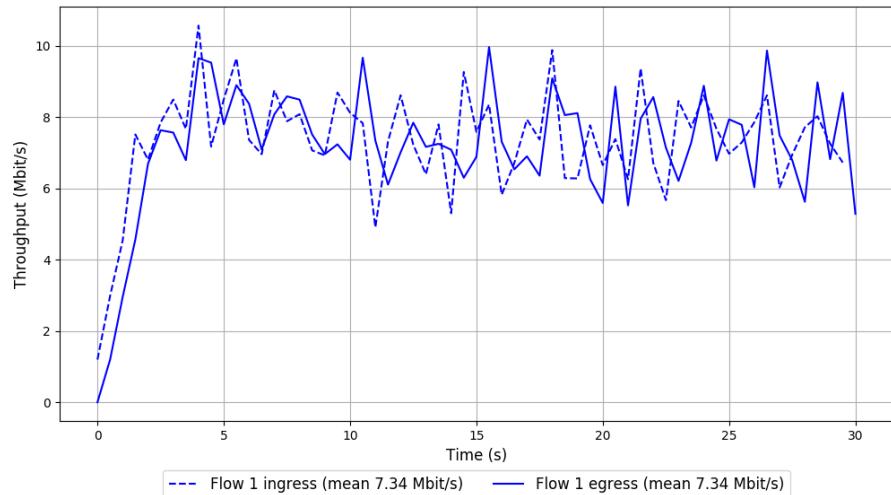


Run 4: Statistics of Sprout

```
Start at: 2018-06-07 12:40:39
End at: 2018-06-07 12:41:09
Local clock offset: -0.381 ms
Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 51.145 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 7.34 Mbit/s
95th percentile per-packet one-way delay: 51.145 ms
Loss rate: 0.37%
```

## Run 4: Report of Sprout — Data Link

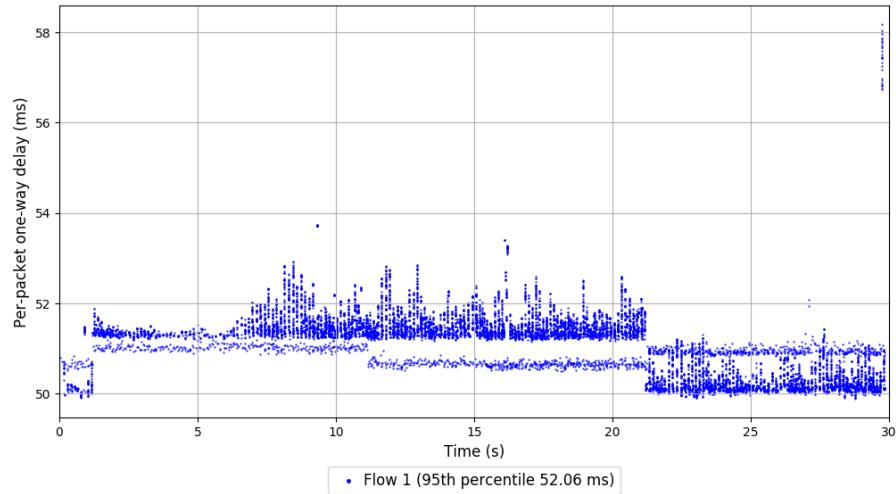
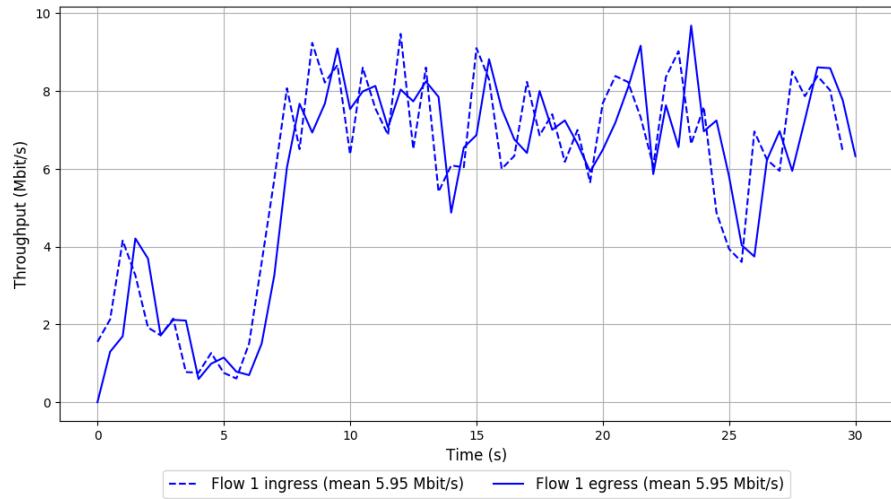


Run 5: Statistics of Sprout

```
Start at: 2018-06-07 13:00:48
End at: 2018-06-07 13:01:18
Local clock offset: 0.396 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.95 Mbit/s
95th percentile per-packet one-way delay: 52.056 ms
Loss rate: 0.19%
-- Flow 1:
Average throughput: 5.95 Mbit/s
95th percentile per-packet one-way delay: 52.056 ms
Loss rate: 0.19%
```

## Run 5: Report of Sprout — Data Link

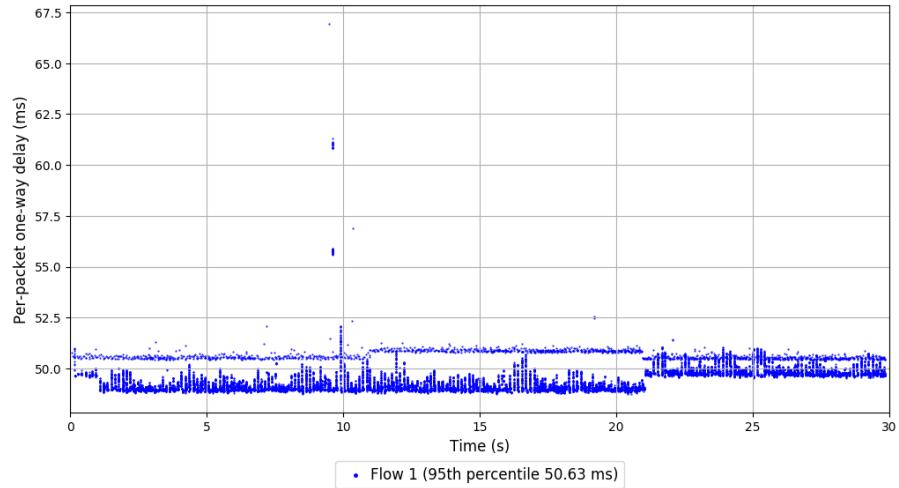
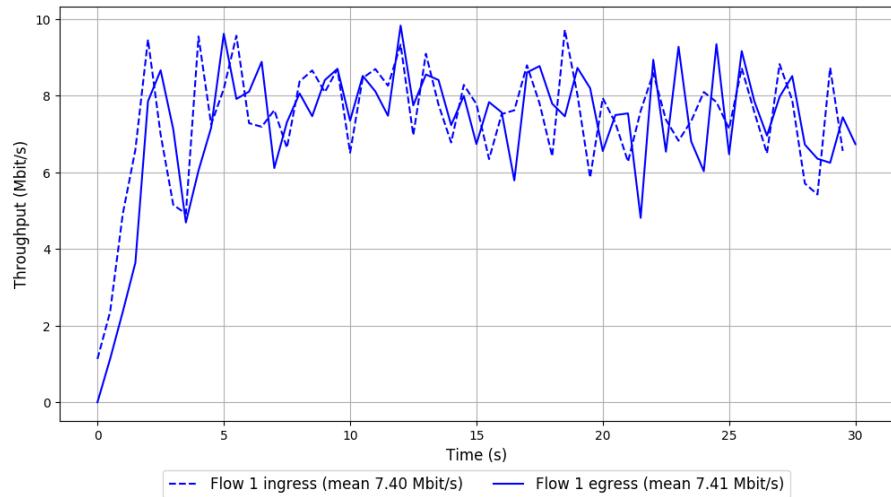


Run 6: Statistics of Sprout

```
Start at: 2018-06-07 13:21:08
End at: 2018-06-07 13:21:39
Local clock offset: 0.054 ms
Remote clock offset: -0.049 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.41 Mbit/s
95th percentile per-packet one-way delay: 50.633 ms
Loss rate: 0.25%
-- Flow 1:
Average throughput: 7.41 Mbit/s
95th percentile per-packet one-way delay: 50.633 ms
Loss rate: 0.25%
```

## Run 6: Report of Sprout — Data Link

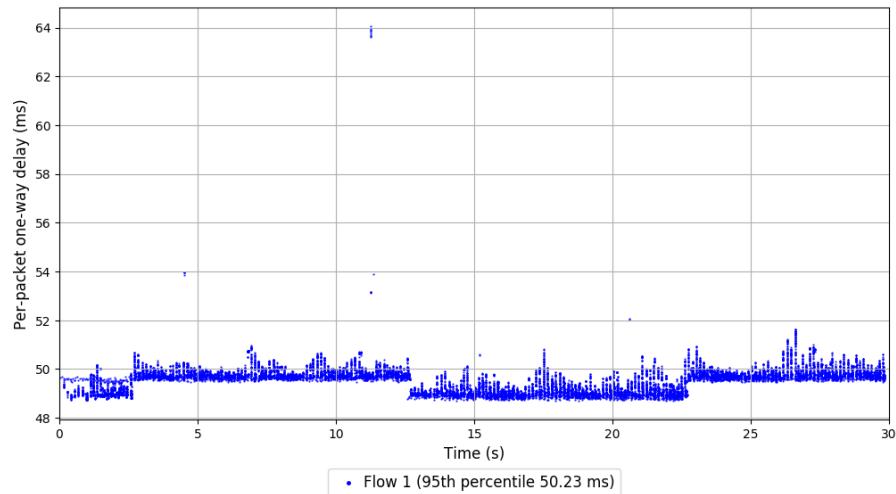
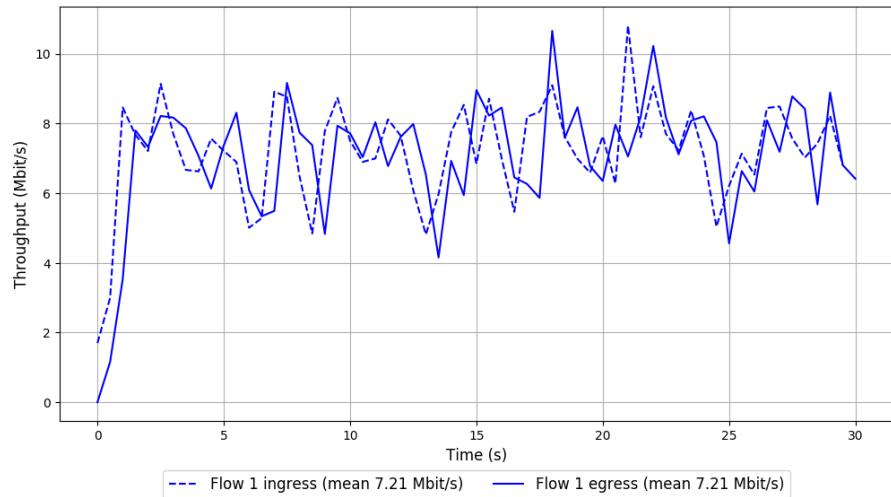


Run 7: Statistics of Sprout

```
Start at: 2018-06-07 13:41:07
End at: 2018-06-07 13:41:37
Local clock offset: -0.074 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 50.232 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 7.21 Mbit/s
95th percentile per-packet one-way delay: 50.232 ms
Loss rate: 0.42%
```

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

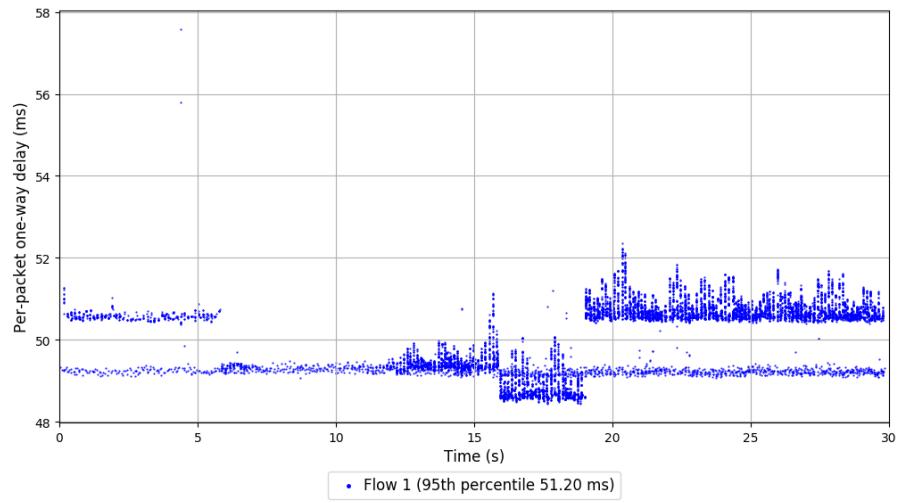
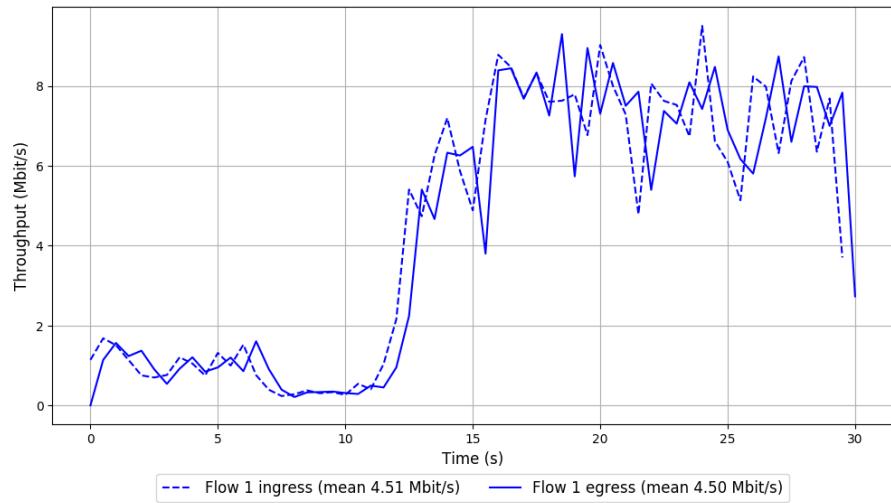


Run 8: Statistics of Sprout

```
Start at: 2018-06-07 14:01:14
End at: 2018-06-07 14:01:44
Local clock offset: -0.456 ms
Remote clock offset: -0.095 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 51.201 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 4.50 Mbit/s
95th percentile per-packet one-way delay: 51.201 ms
Loss rate: 0.39%
```

Run 8: Report of Sprout — Data Link

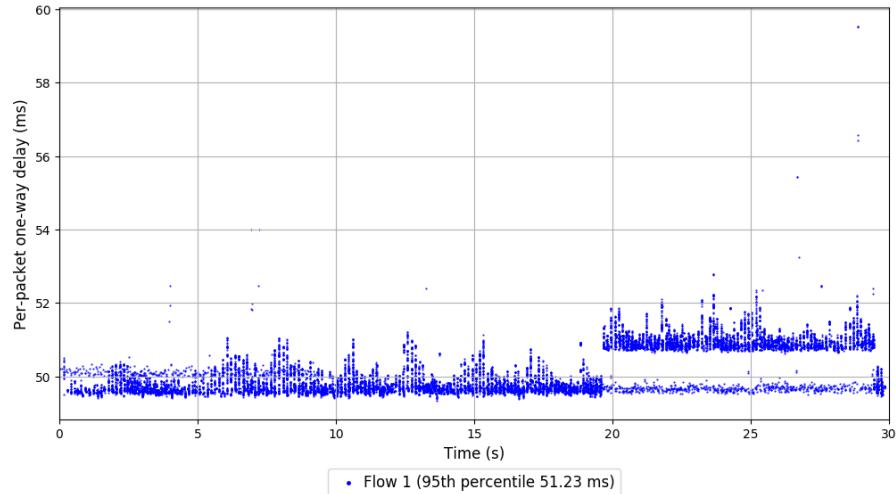
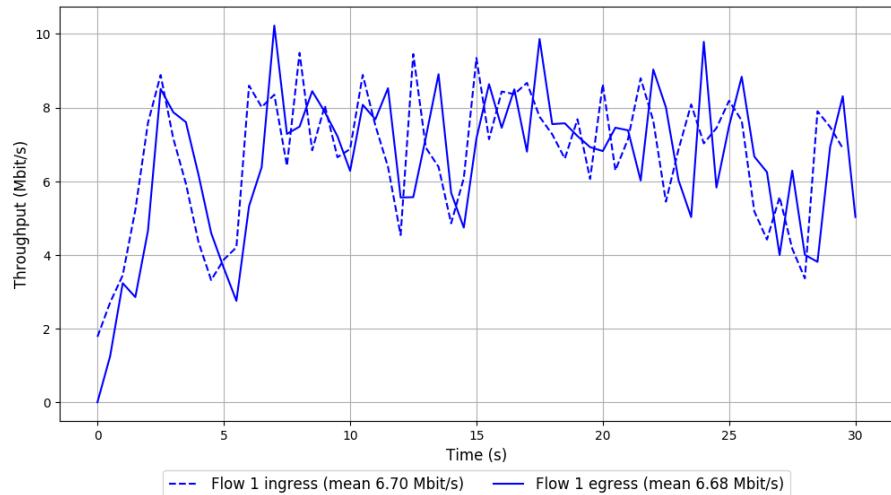


Run 9: Statistics of Sprout

```
Start at: 2018-06-07 14:21:20
End at: 2018-06-07 14:21:50
Local clock offset: -0.173 ms
Remote clock offset: -0.008 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 6.68 Mbit/s
95th percentile per-packet one-way delay: 51.231 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 6.68 Mbit/s
95th percentile per-packet one-way delay: 51.231 ms
Loss rate: 0.50%
```

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

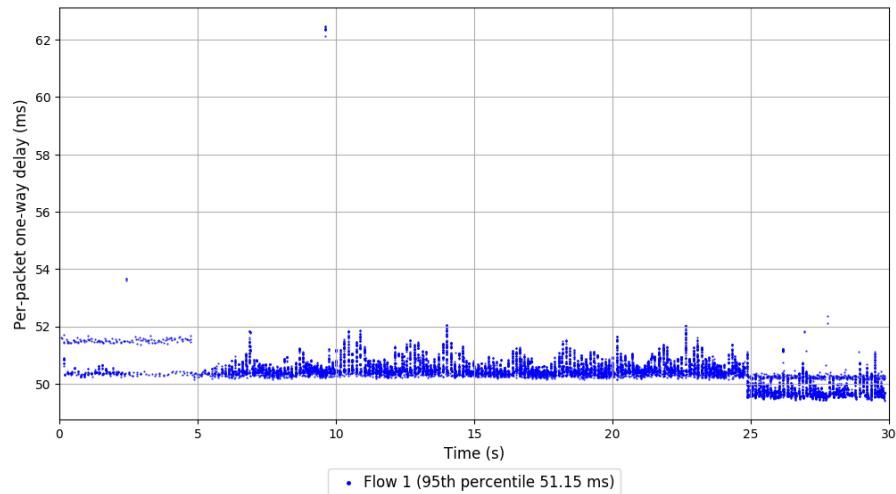
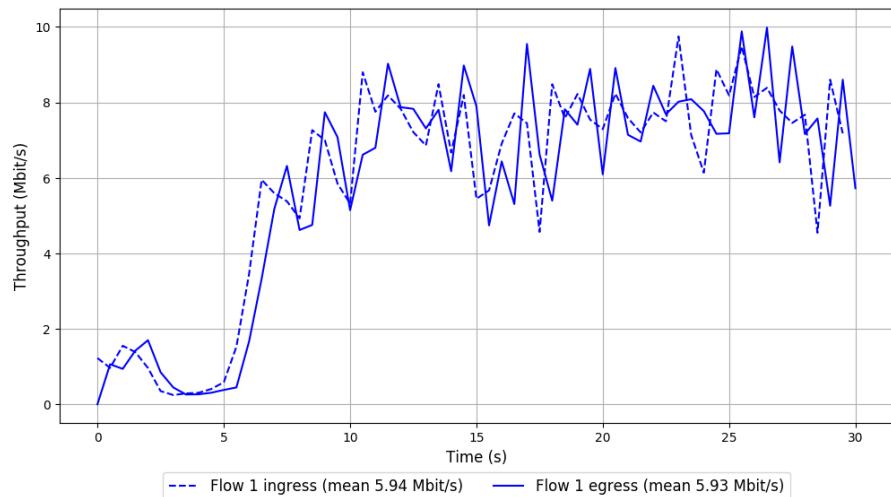


Run 10: Statistics of Sprout

```
Start at: 2018-06-07 14:41:25
End at: 2018-06-07 14:41:55
Local clock offset: 0.69 ms
Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-06-07 15:50:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 5.93 Mbit/s
95th percentile per-packet one-way delay: 51.147 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 5.93 Mbit/s
95th percentile per-packet one-way delay: 51.147 ms
Loss rate: 0.41%
```

Run 10: Report of Sprout — Data Link

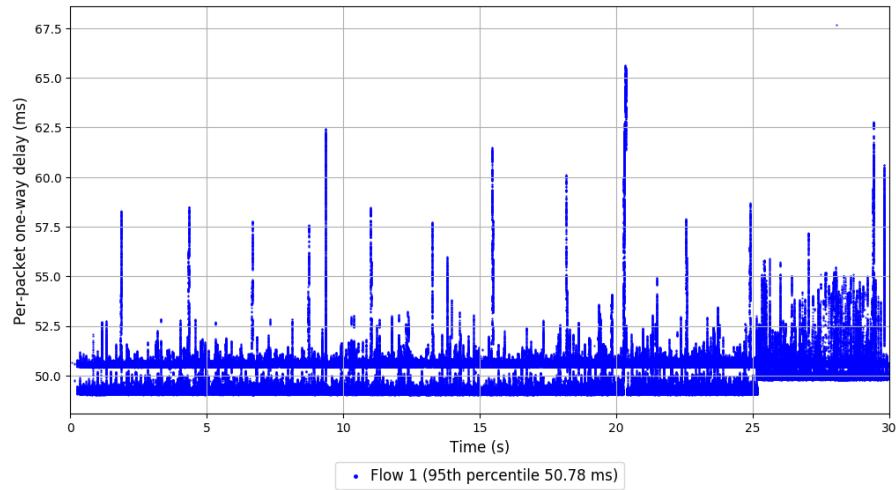
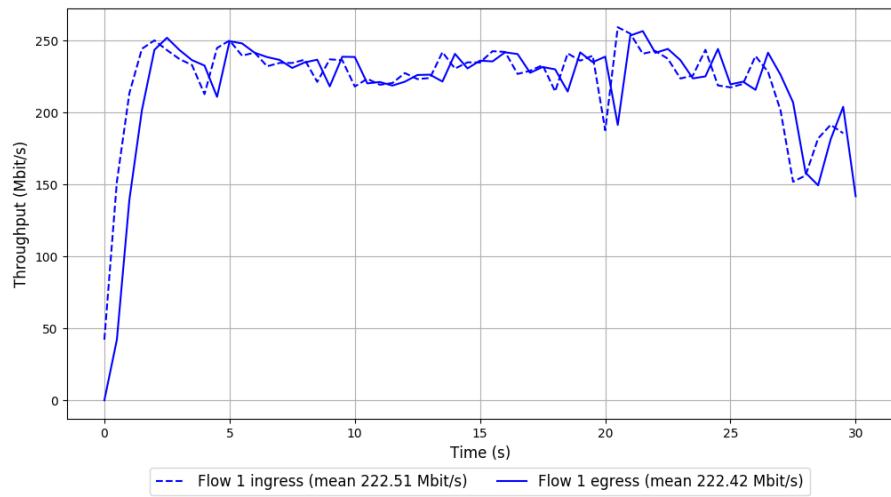


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-06-07 11:37:24
End at: 2018-06-07 11:37:54
Local clock offset: 0.343 ms
Remote clock offset: 0.236 ms

# Below is generated by plot.py at 2018-06-07 15:54:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 222.42 Mbit/s
95th percentile per-packet one-way delay: 50.780 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 222.42 Mbit/s
95th percentile per-packet one-way delay: 50.780 ms
Loss rate: 0.37%
```

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

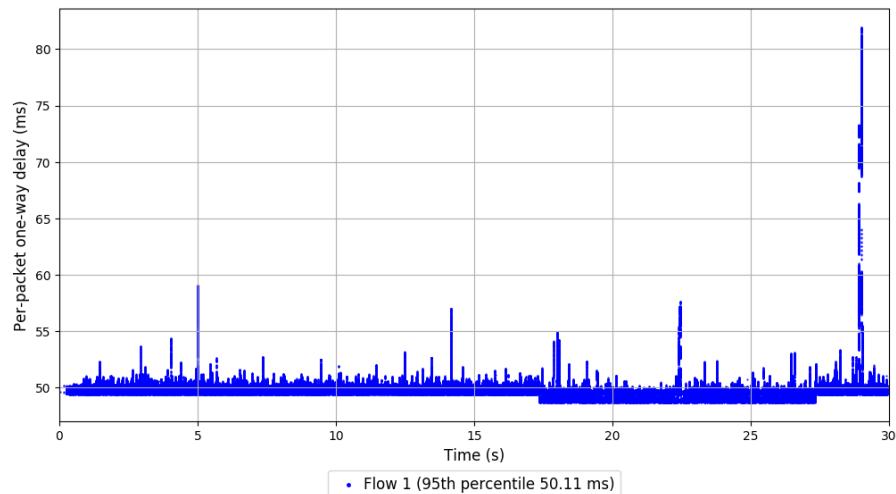
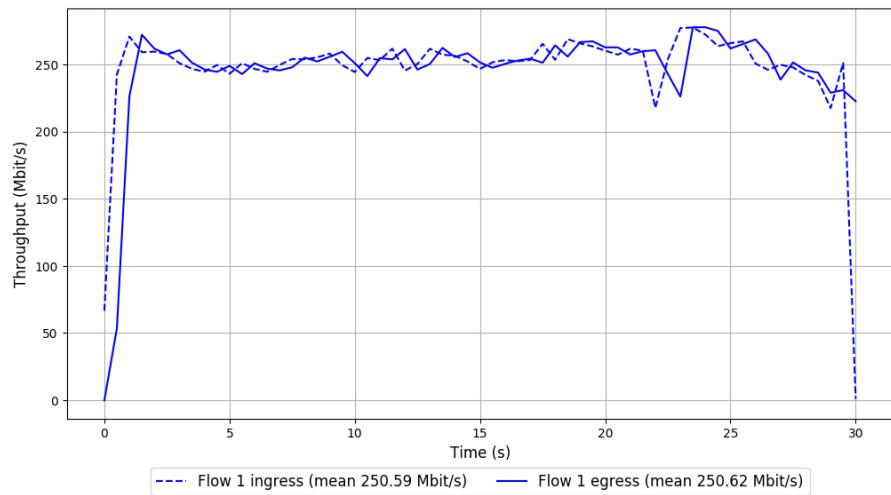


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-06-07 11:57:42
End at: 2018-06-07 11:58:12
Local clock offset: 0.01 ms
Remote clock offset: -0.006 ms

# Below is generated by plot.py at 2018-06-07 15:55:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 250.62 Mbit/s
95th percentile per-packet one-way delay: 50.112 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 250.62 Mbit/s
95th percentile per-packet one-way delay: 50.112 ms
Loss rate: 0.33%
```

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

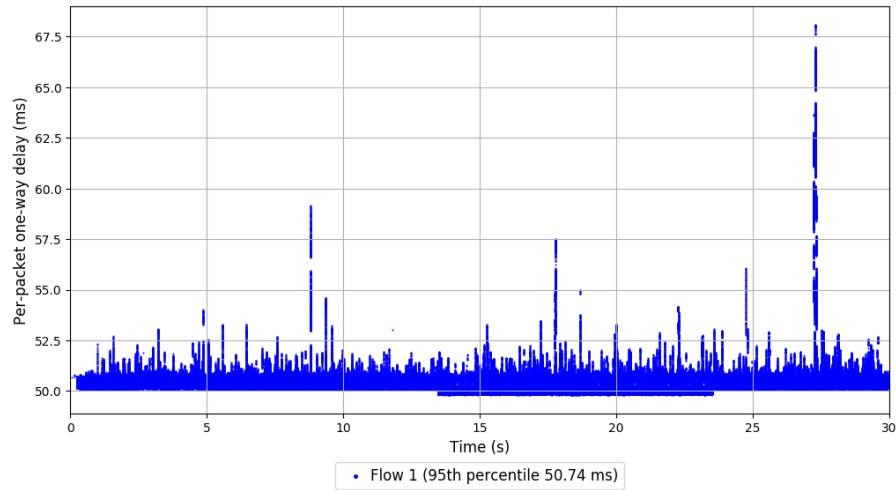
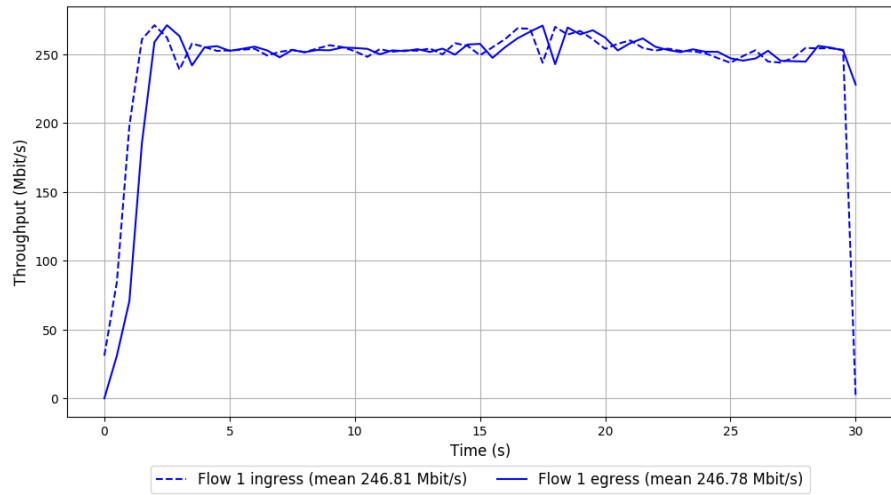


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-06-07 12:17:46
End at: 2018-06-07 12:18:16
Local clock offset: 0.013 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2018-06-07 15:55:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 246.78 Mbit/s
95th percentile per-packet one-way delay: 50.745 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 246.78 Mbit/s
95th percentile per-packet one-way delay: 50.745 ms
Loss rate: 0.35%
```

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

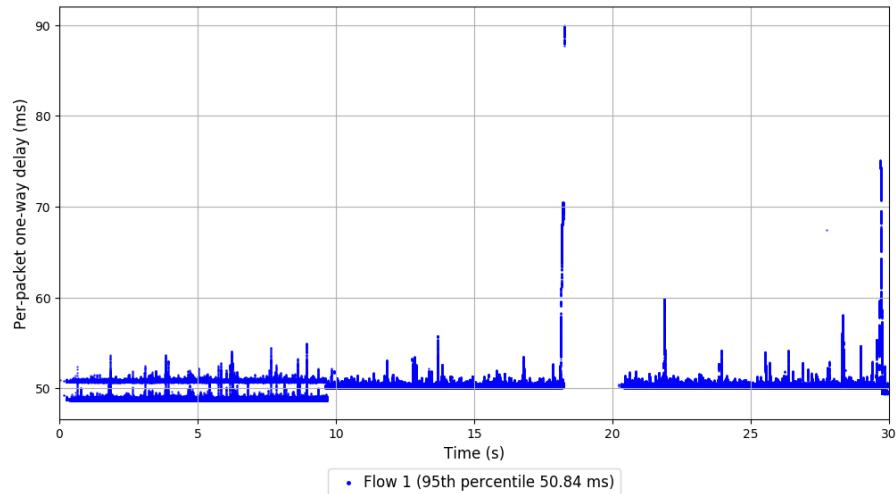
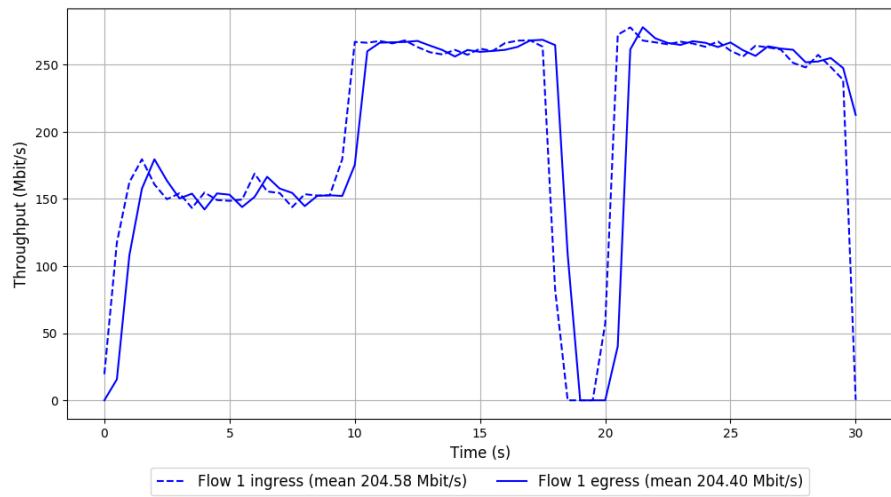


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-06-07 12:38:00
End at: 2018-06-07 12:38:30
Local clock offset: 0.002 ms
Remote clock offset: -0.052 ms

# Below is generated by plot.py at 2018-06-07 15:55:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 204.40 Mbit/s
95th percentile per-packet one-way delay: 50.840 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 204.40 Mbit/s
95th percentile per-packet one-way delay: 50.840 ms
Loss rate: 0.43%
```

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

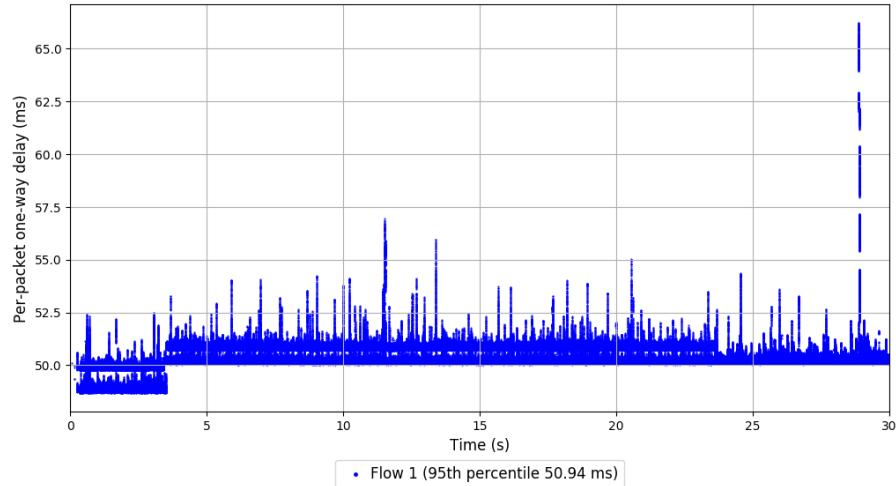
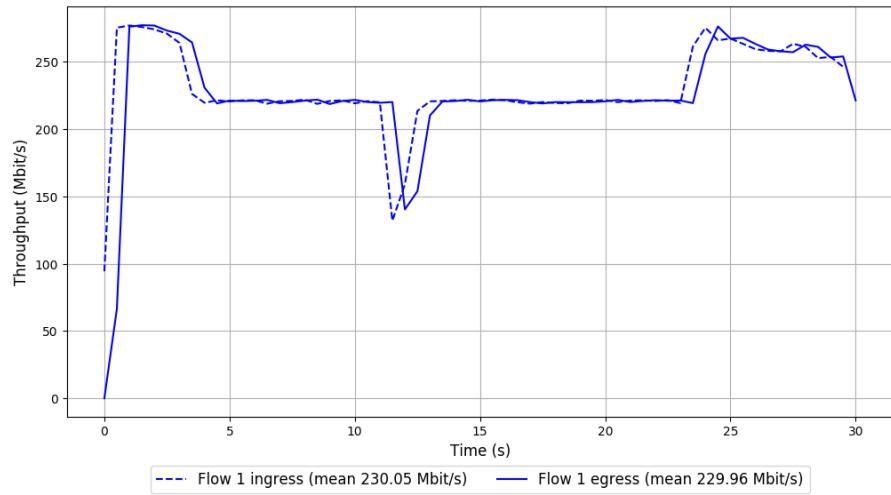


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-06-07 12:58:06
End at: 2018-06-07 12:58:36
Local clock offset: 0.019 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2018-06-07 15:55:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 229.96 Mbit/s
95th percentile per-packet one-way delay: 50.943 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 229.96 Mbit/s
95th percentile per-packet one-way delay: 50.943 ms
Loss rate: 0.37%
```

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

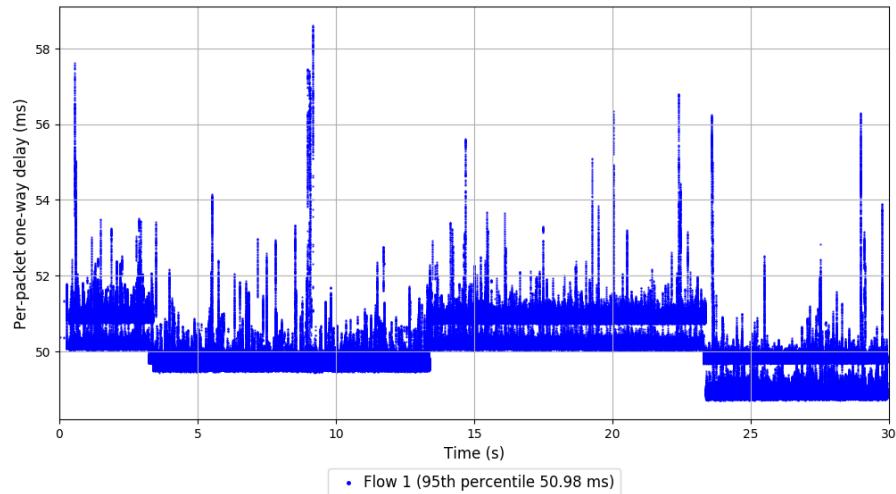
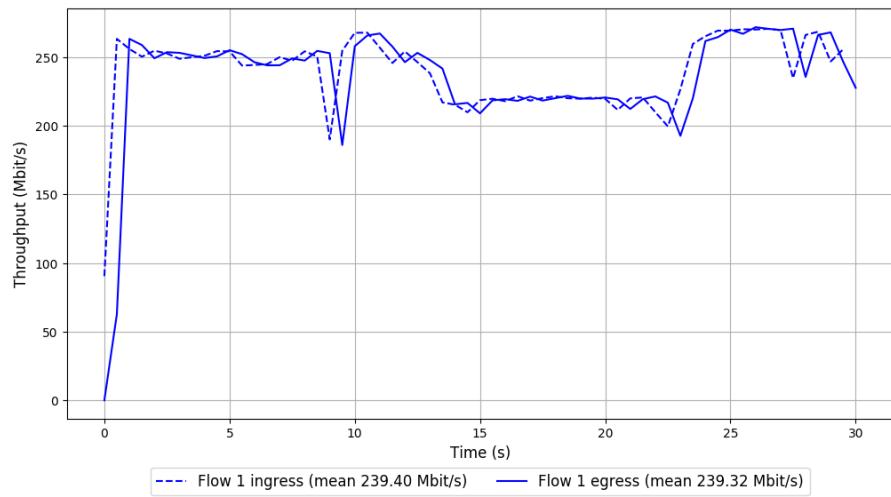


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-06-07 13:18:26
End at: 2018-06-07 13:18:56
Local clock offset: 0.05 ms
Remote clock offset: -0.074 ms

# Below is generated by plot.py at 2018-06-07 15:55:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 239.32 Mbit/s
95th percentile per-packet one-way delay: 50.978 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 239.32 Mbit/s
95th percentile per-packet one-way delay: 50.978 ms
Loss rate: 0.37%
```

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

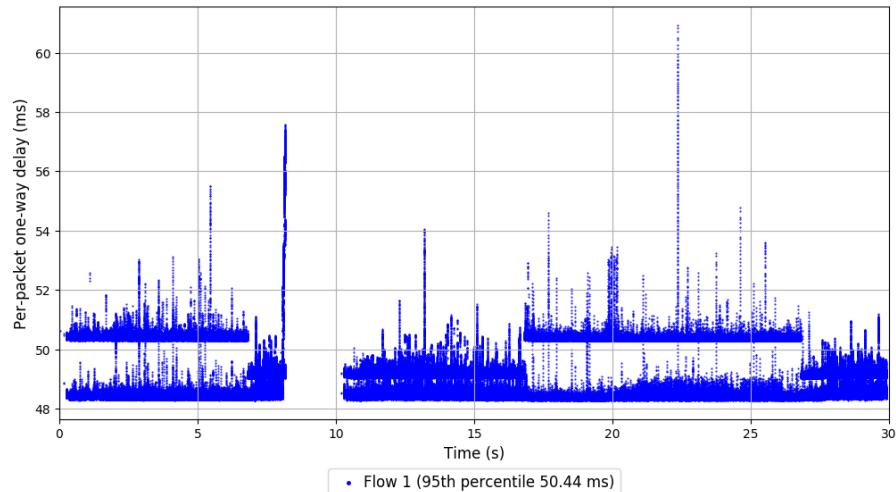
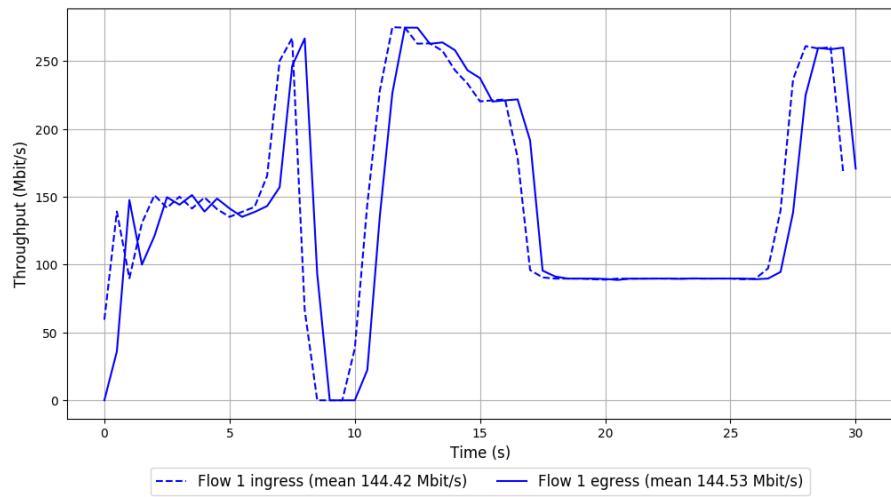


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-06-07 13:38:33
End at: 2018-06-07 13:39:03
Local clock offset: -0.42 ms
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2018-06-07 15:55:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 144.53 Mbit/s
95th percentile per-packet one-way delay: 50.437 ms
Loss rate: 0.28%
-- Flow 1:
Average throughput: 144.53 Mbit/s
95th percentile per-packet one-way delay: 50.437 ms
Loss rate: 0.28%
```

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

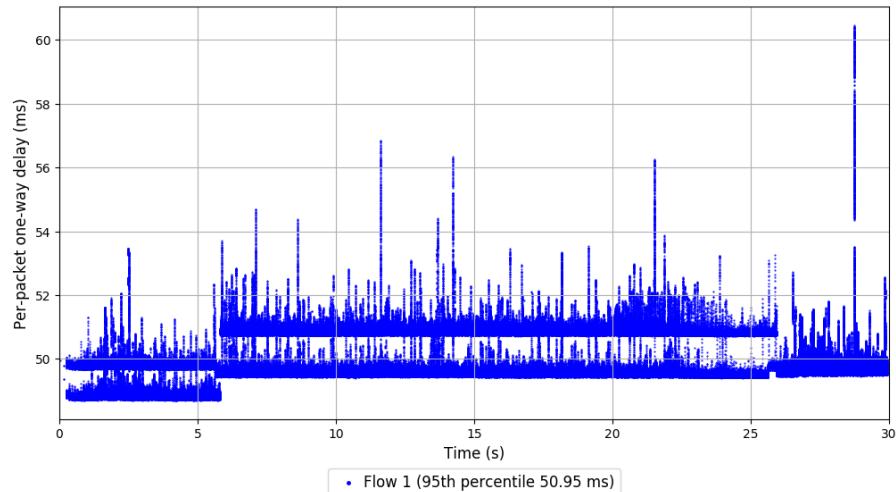
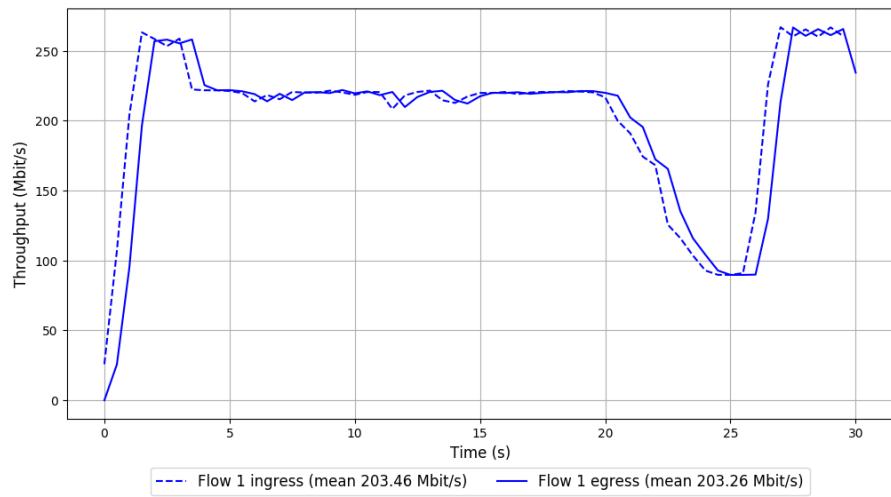


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-06-07 13:58:34
End at: 2018-06-07 13:59:04
Local clock offset: -0.067 ms
Remote clock offset: -0.119 ms

# Below is generated by plot.py at 2018-06-07 15:57:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 203.26 Mbit/s
95th percentile per-packet one-way delay: 50.954 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 203.26 Mbit/s
95th percentile per-packet one-way delay: 50.954 ms
Loss rate: 0.43%
```

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

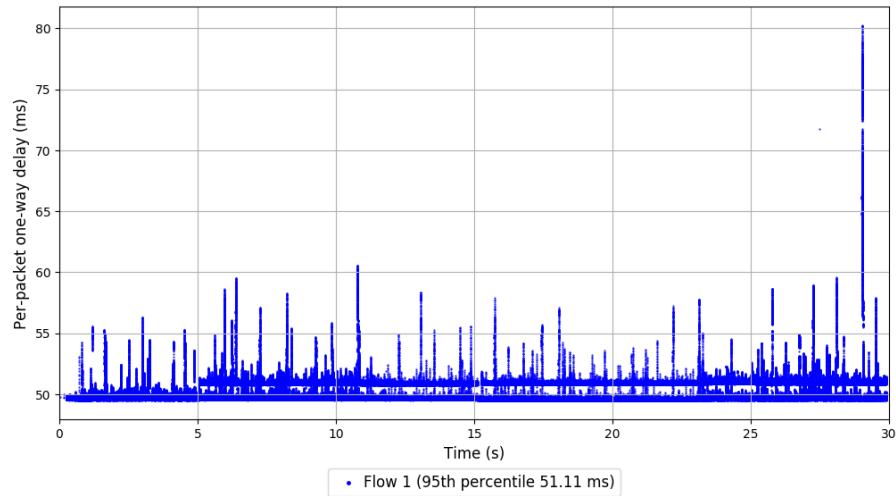
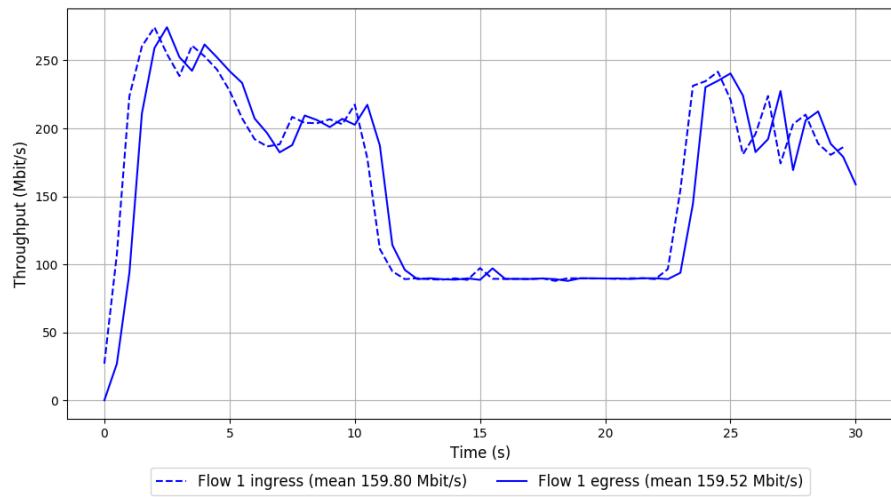


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-06-07 14:18:44
End at: 2018-06-07 14:19:14
Local clock offset: 0.025 ms
Remote clock offset: -0.004 ms

# Below is generated by plot.py at 2018-06-07 15:59:08
# Datalink statistics
-- Total of 1 flow:
Average throughput: 159.52 Mbit/s
95th percentile per-packet one-way delay: 51.107 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 159.52 Mbit/s
95th percentile per-packet one-way delay: 51.107 ms
Loss rate: 0.51%
```

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

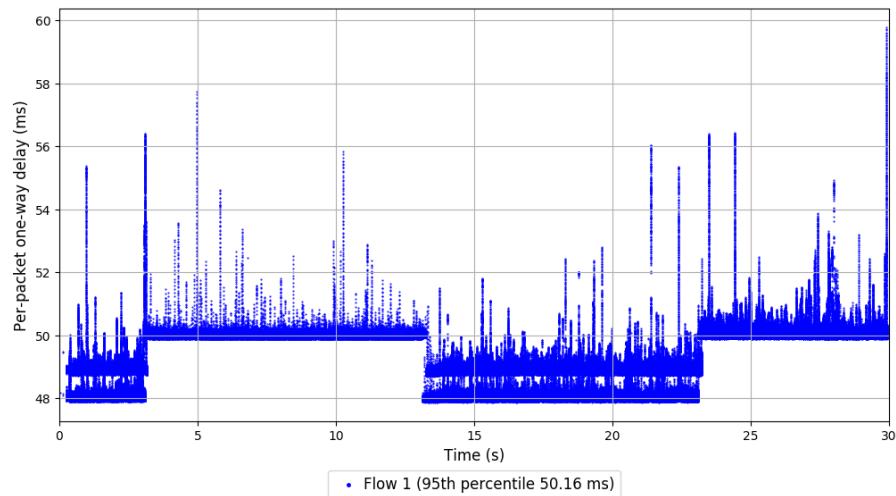
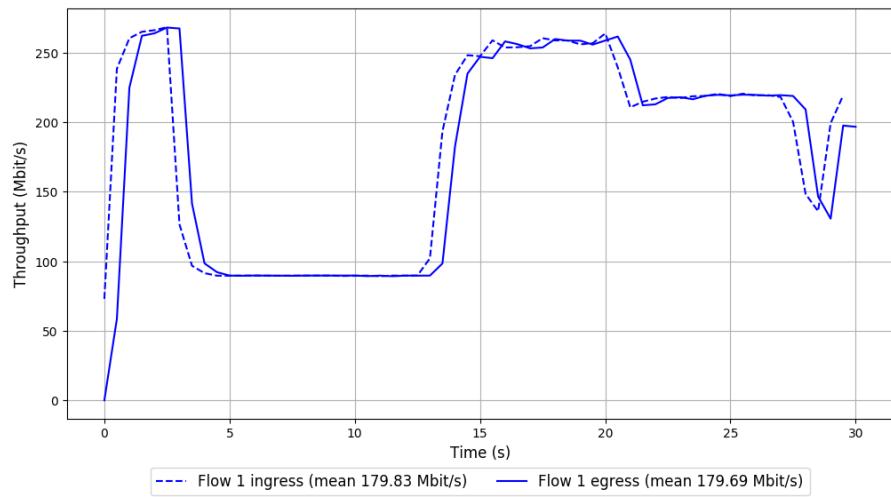


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-06-07 14:38:46
End at: 2018-06-07 14:39:16
Local clock offset: -0.771 ms
Remote clock offset: -0.066 ms

# Below is generated by plot.py at 2018-06-07 16:00:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.69 Mbit/s
95th percentile per-packet one-way delay: 50.158 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 179.69 Mbit/s
95th percentile per-packet one-way delay: 50.158 ms
Loss rate: 0.41%
```

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

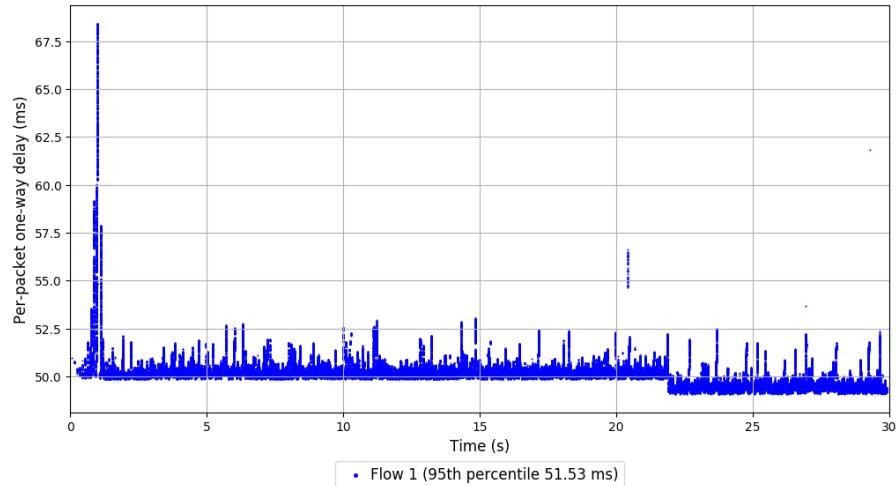
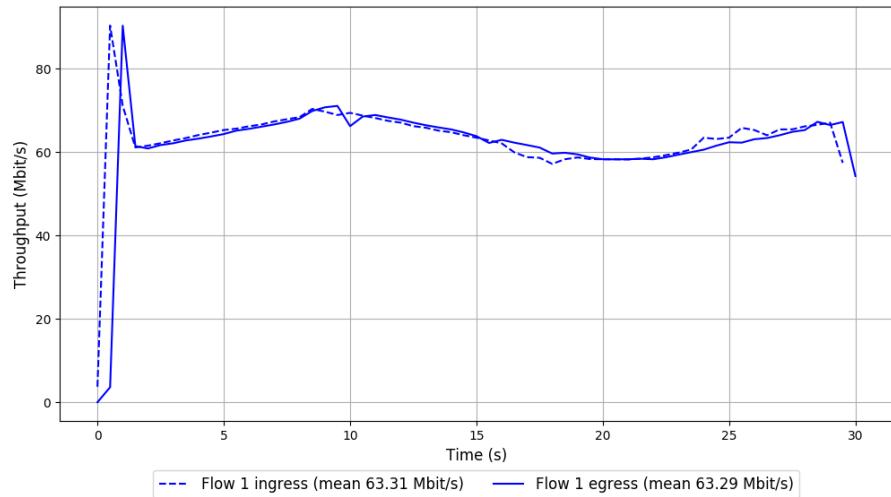


Run 1: Statistics of TCP Vegas

```
Start at: 2018-06-07 11:33:58
End at: 2018-06-07 11:34:28
Local clock offset: 0.38 ms
Remote clock offset: 0.191 ms

# Below is generated by plot.py at 2018-06-07 16:00:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 63.29 Mbit/s
95th percentile per-packet one-way delay: 51.535 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 63.29 Mbit/s
95th percentile per-packet one-way delay: 51.535 ms
Loss rate: 0.36%
```

Run 1: Report of TCP Vegas — Data Link

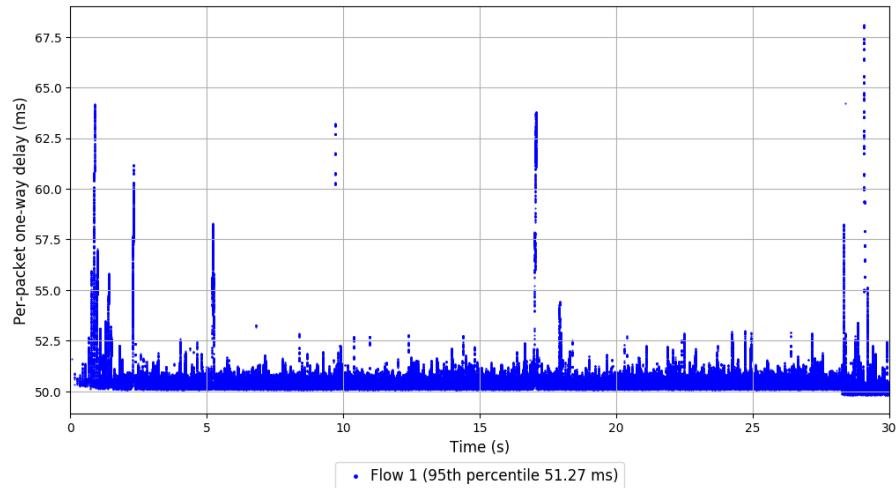
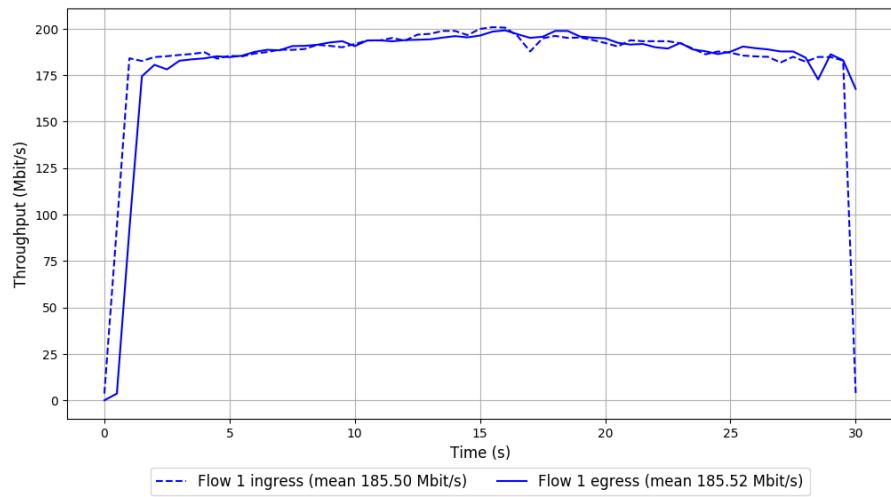


Run 2: Statistics of TCP Vegas

```
Start at: 2018-06-07 11:54:11
End at: 2018-06-07 11:54:41
Local clock offset: 0.008 ms
Remote clock offset: -0.005 ms

# Below is generated by plot.py at 2018-06-07 16:00:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.52 Mbit/s
95th percentile per-packet one-way delay: 51.271 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 185.52 Mbit/s
95th percentile per-packet one-way delay: 51.271 ms
Loss rate: 0.33%
```

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

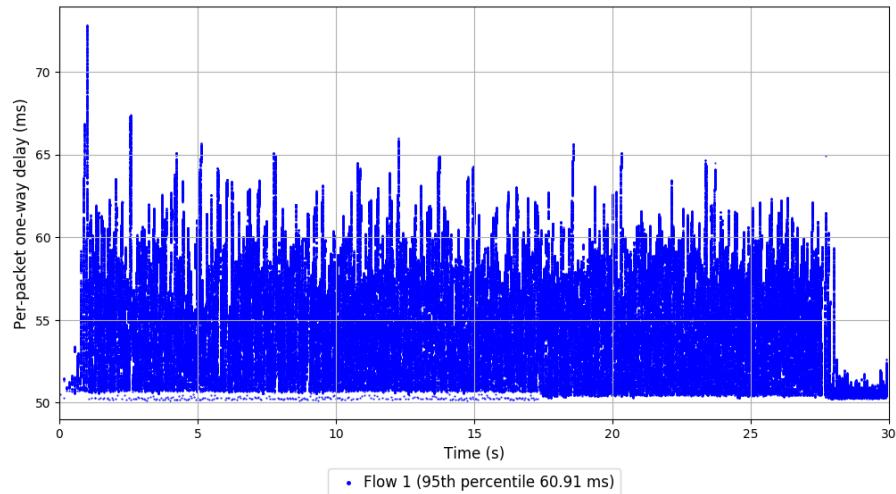
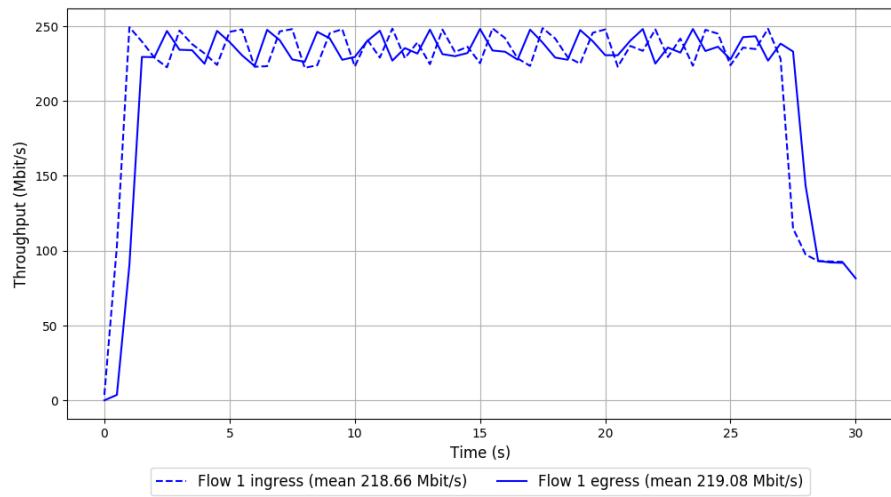


Run 3: Statistics of TCP Vegas

```
Start at: 2018-06-07 12:14:12
End at: 2018-06-07 12:14:42
Local clock offset: 0.418 ms
Remote clock offset: -0.096 ms

# Below is generated by plot.py at 2018-06-07 16:00:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 219.08 Mbit/s
95th percentile per-packet one-way delay: 60.911 ms
Loss rate: 0.14%
-- Flow 1:
Average throughput: 219.08 Mbit/s
95th percentile per-packet one-way delay: 60.911 ms
Loss rate: 0.14%
```

Run 3: Report of TCP Vegas — Data Link

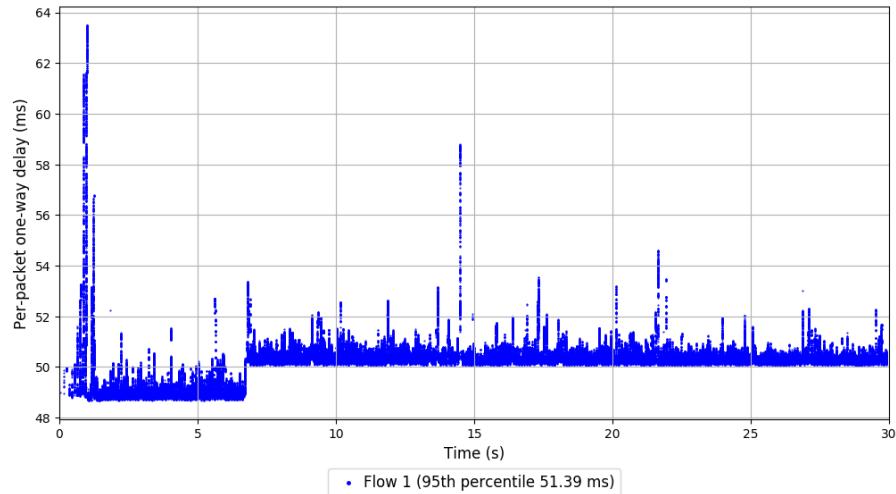
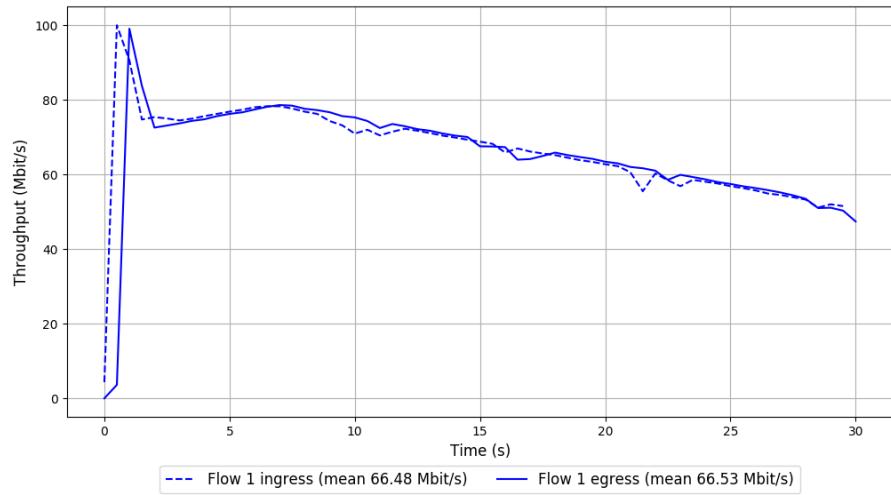


Run 4: Statistics of TCP Vegas

```
Start at: 2018-06-07 12:34:33
End at: 2018-06-07 12:35:03
Local clock offset: 0.027 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2018-06-07 16:00:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 66.53 Mbit/s
95th percentile per-packet one-way delay: 51.390 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 66.53 Mbit/s
95th percentile per-packet one-way delay: 51.390 ms
Loss rate: 0.26%
```

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

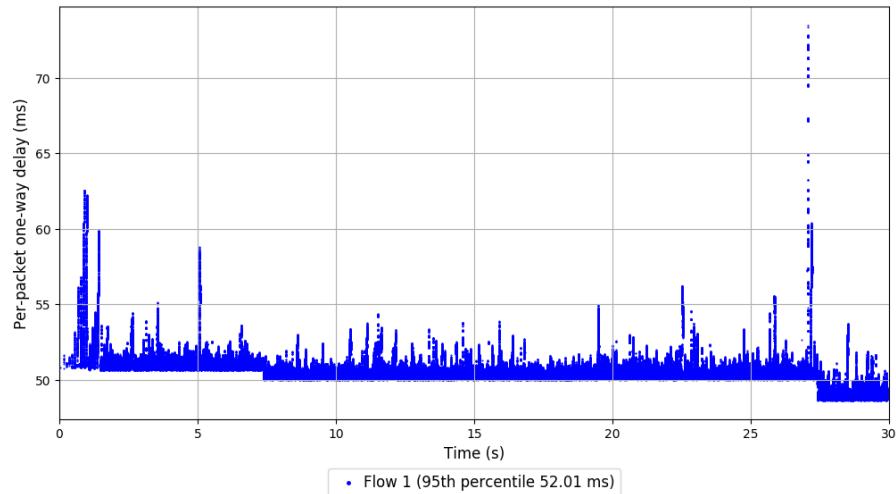
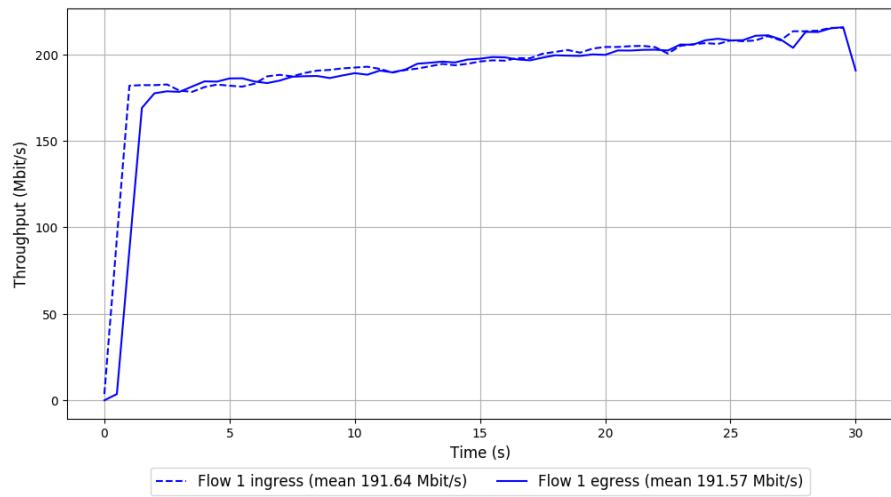


Run 5: Statistics of TCP Vegas

```
Start at: 2018-06-07 12:54:32
End at: 2018-06-07 12:55:02
Local clock offset: 0.008 ms
Remote clock offset: -0.008 ms

# Below is generated by plot.py at 2018-06-07 16:00:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.57 Mbit/s
95th percentile per-packet one-way delay: 52.006 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 191.57 Mbit/s
95th percentile per-packet one-way delay: 52.006 ms
Loss rate: 0.37%
```

Run 5: Report of TCP Vegas — Data Link

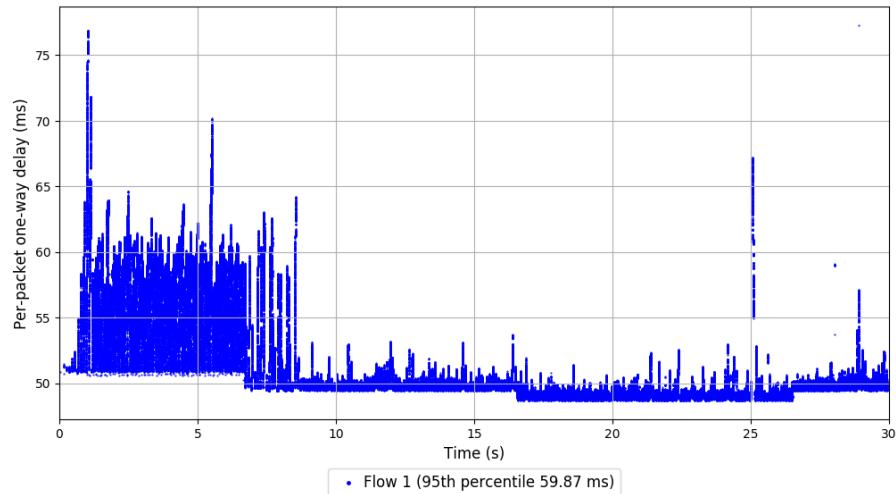
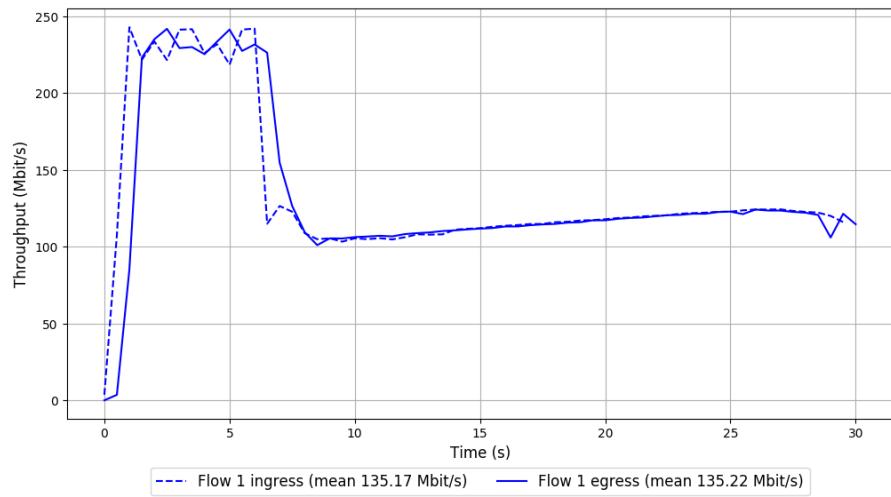


Run 6: Statistics of TCP Vegas

```
Start at: 2018-06-07 13:14:53
End at: 2018-06-07 13:15:23
Local clock offset: 0.041 ms
Remote clock offset: -0.047 ms

# Below is generated by plot.py at 2018-06-07 16:00:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 135.22 Mbit/s
95th percentile per-packet one-way delay: 59.867 ms
Loss rate: 0.30%
-- Flow 1:
Average throughput: 135.22 Mbit/s
95th percentile per-packet one-way delay: 59.867 ms
Loss rate: 0.30%
```

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

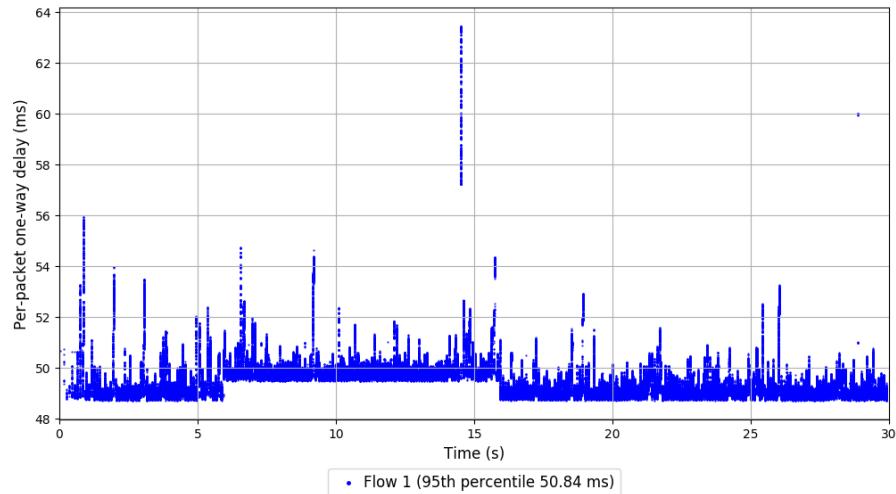
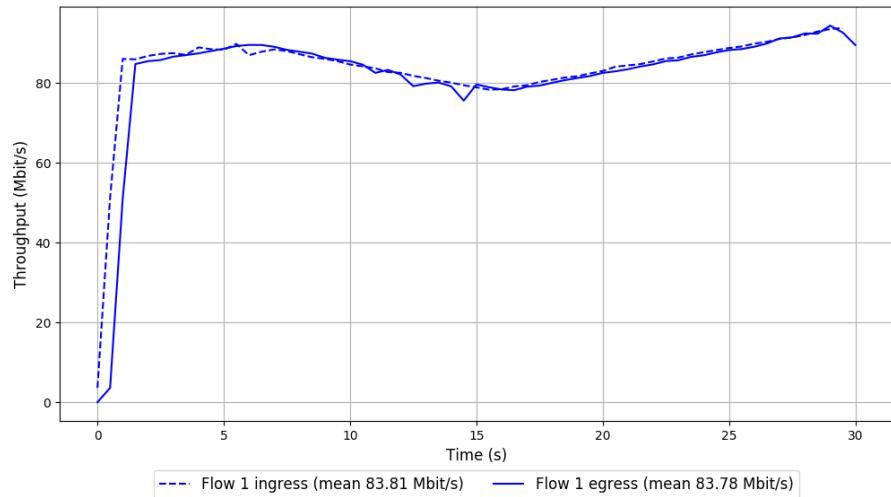


Run 7: Statistics of TCP Vegas

```
Start at: 2018-06-07 13:35:04
End at: 2018-06-07 13:35:34
Local clock offset: 0.025 ms
Remote clock offset: -0.068 ms

# Below is generated by plot.py at 2018-06-07 16:00:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 83.78 Mbit/s
95th percentile per-packet one-way delay: 50.842 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 83.78 Mbit/s
95th percentile per-packet one-way delay: 50.842 ms
Loss rate: 0.37%
```

Run 7: Report of TCP Vegas — Data Link

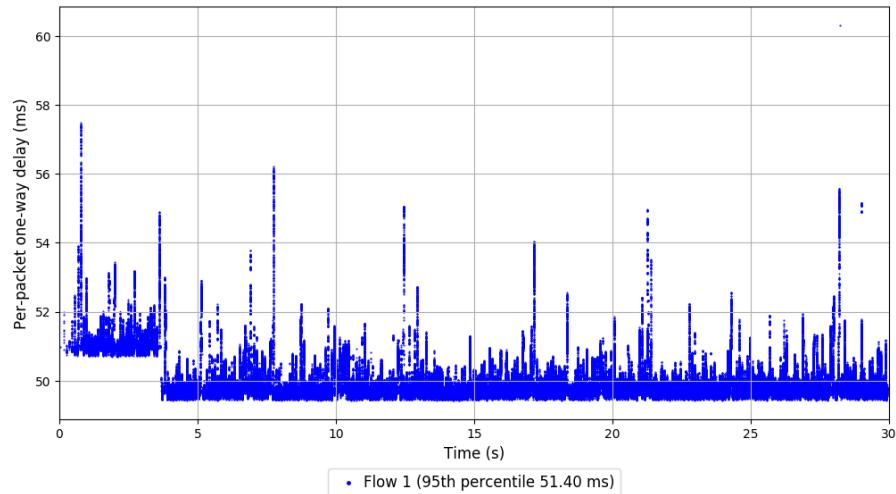
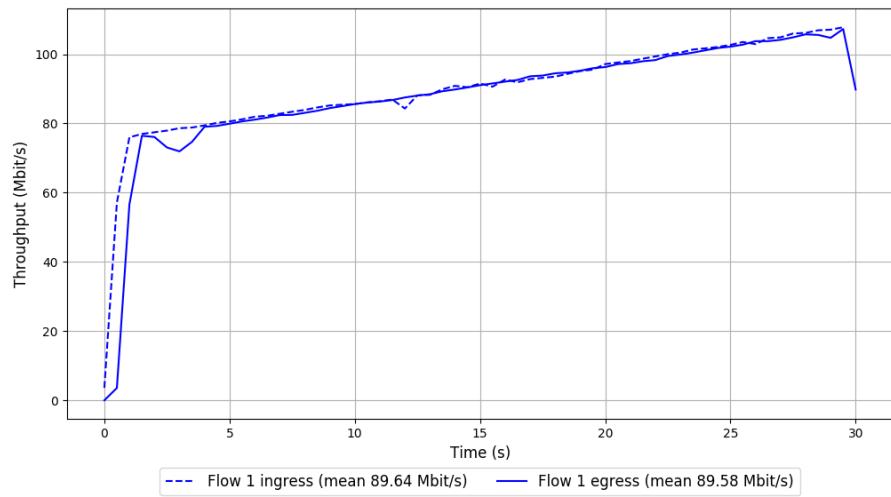


Run 8: Statistics of TCP Vegas

```
Start at: 2018-06-07 13:55:06
End at: 2018-06-07 13:55:36
Local clock offset: -0.088 ms
Remote clock offset: -0.116 ms

# Below is generated by plot.py at 2018-06-07 16:00:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.58 Mbit/s
95th percentile per-packet one-way delay: 51.395 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 89.58 Mbit/s
95th percentile per-packet one-way delay: 51.395 ms
Loss rate: 0.40%
```

Run 8: Report of TCP Vegas — Data Link

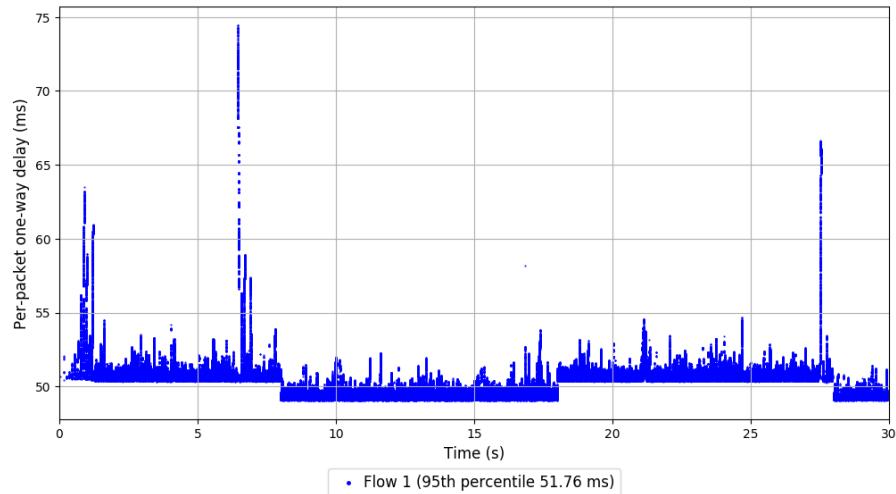
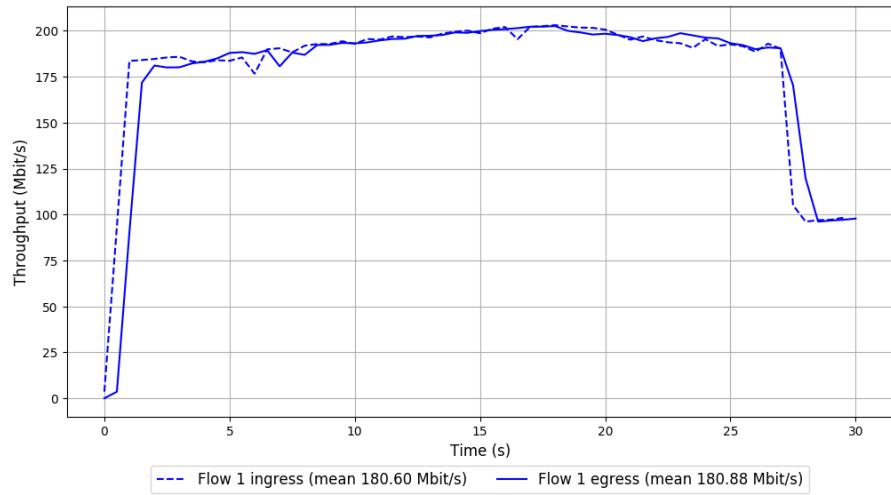


Run 9: Statistics of TCP Vegas

```
Start at: 2018-06-07 14:15:12
End at: 2018-06-07 14:15:42
Local clock offset: -0.464 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2018-06-07 16:00:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 180.88 Mbit/s
95th percentile per-packet one-way delay: 51.757 ms
Loss rate: 0.18%
-- Flow 1:
Average throughput: 180.88 Mbit/s
95th percentile per-packet one-way delay: 51.757 ms
Loss rate: 0.18%
```

Run 9: Report of TCP Vegas — Data Link

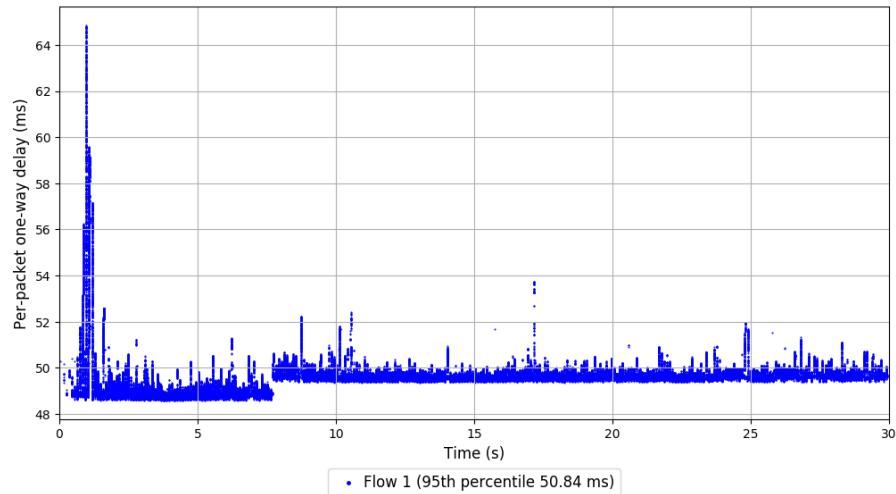
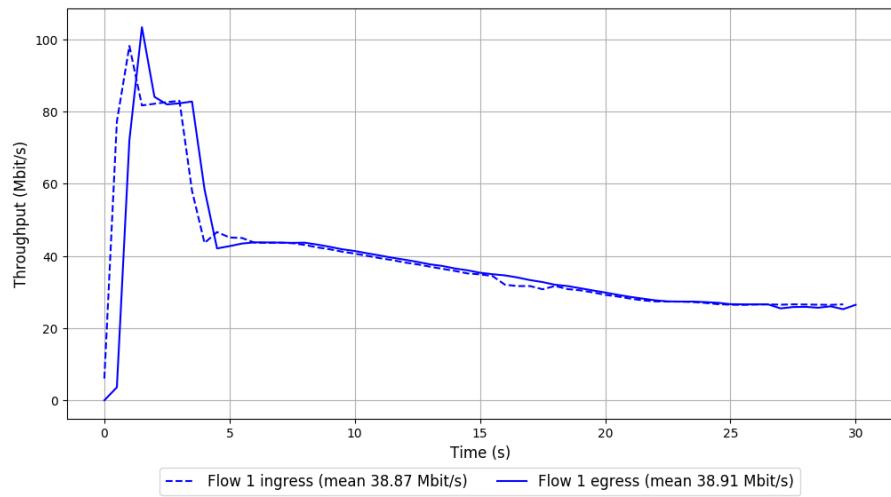


Run 10: Statistics of TCP Vegas

```
Start at: 2018-06-07 14:35:22
End at: 2018-06-07 14:35:52
Local clock offset: -0.149 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-06-07 16:00:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 50.839 ms
Loss rate: 0.23%
-- Flow 1:
Average throughput: 38.91 Mbit/s
95th percentile per-packet one-way delay: 50.839 ms
Loss rate: 0.23%
```

Run 10: Report of TCP Vegas — Data Link

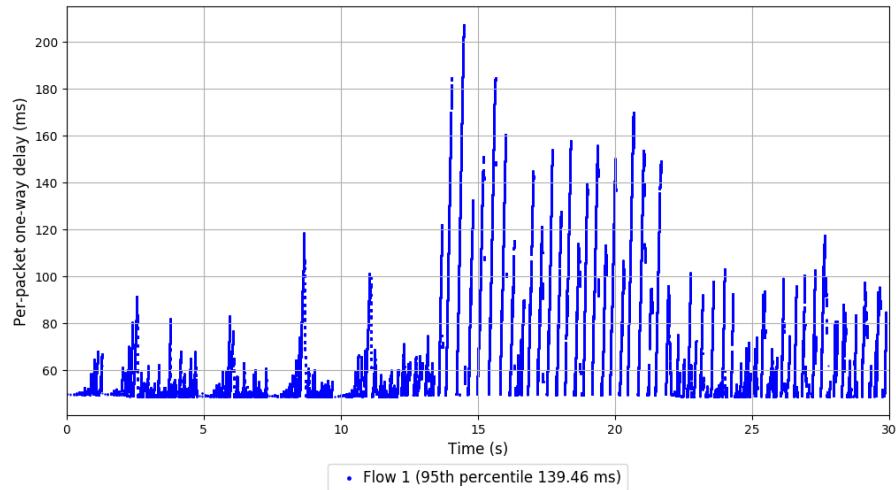
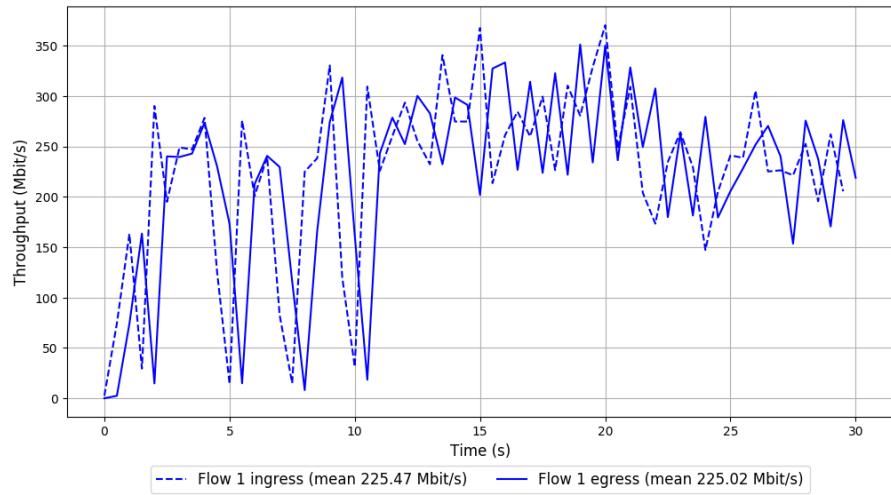


Run 1: Statistics of Verus

```
Start at: 2018-06-07 11:45:47
End at: 2018-06-07 11:46:17
Local clock offset: -0.021 ms
Remote clock offset: 0.106 ms

# Below is generated by plot.py at 2018-06-07 16:02:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 225.02 Mbit/s
95th percentile per-packet one-way delay: 139.456 ms
Loss rate: 0.38%
-- Flow 1:
Average throughput: 225.02 Mbit/s
95th percentile per-packet one-way delay: 139.456 ms
Loss rate: 0.38%
```

Run 1: Report of Verus — Data Link

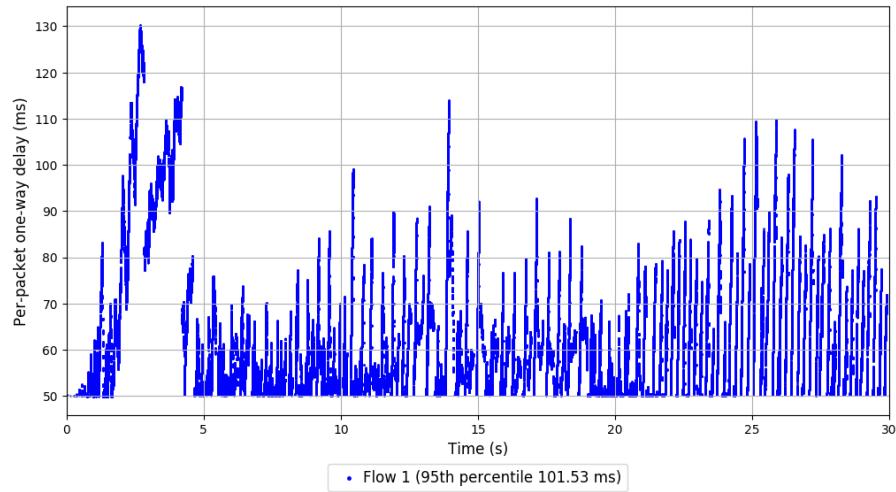
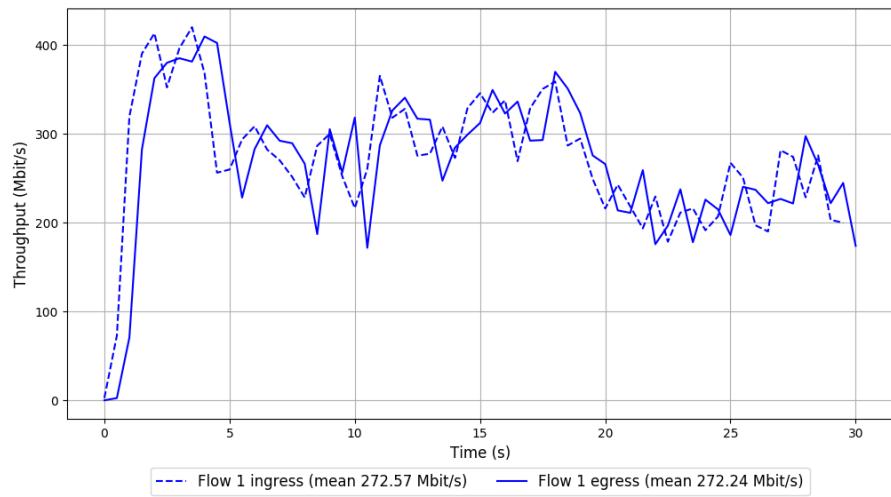


Run 2: Statistics of Verus

```
Start at: 2018-06-07 12:05:36
End at: 2018-06-07 12:06:06
Local clock offset: 0.021 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2018-06-07 16:03:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 272.24 Mbit/s
95th percentile per-packet one-way delay: 101.533 ms
Loss rate: 0.24%
-- Flow 1:
Average throughput: 272.24 Mbit/s
95th percentile per-packet one-way delay: 101.533 ms
Loss rate: 0.24%
```

## Run 2: Report of Verus — Data Link

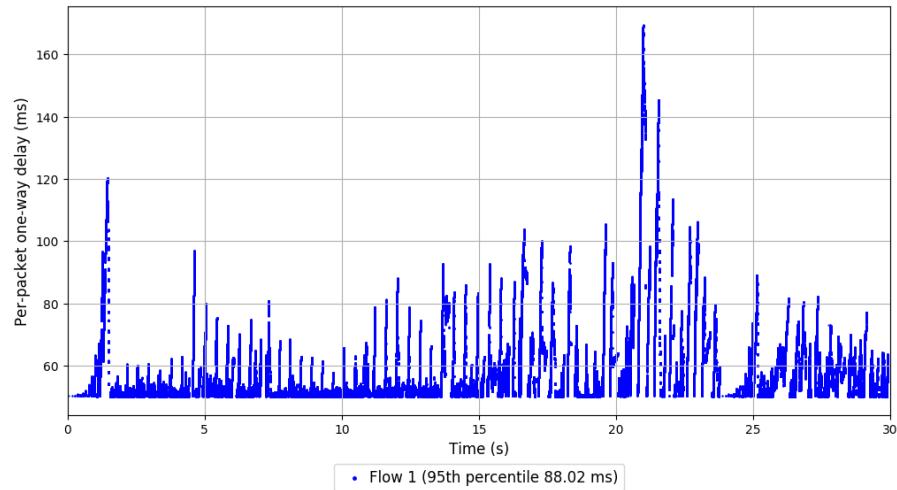
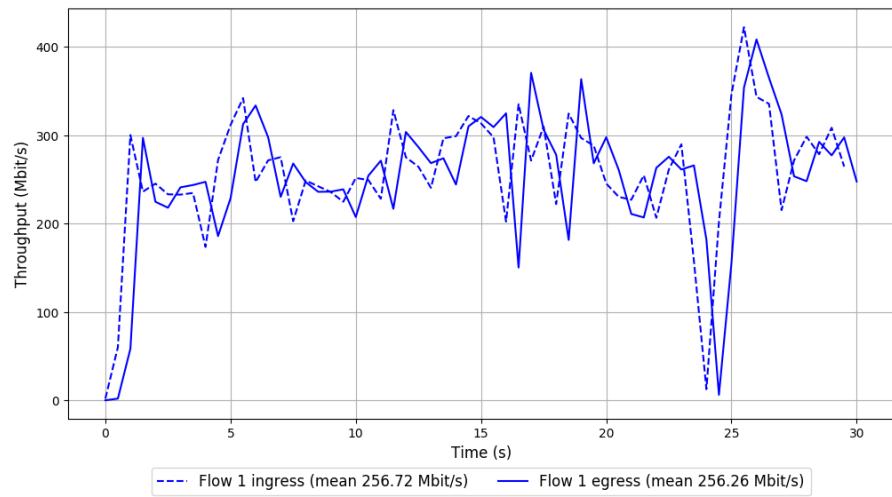


Run 3: Statistics of Verus

```
Start at: 2018-06-07 12:26:04
End at: 2018-06-07 12:26:34
Local clock offset: -0.013 ms
Remote clock offset: -0.048 ms

# Below is generated by plot.py at 2018-06-07 16:03:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 256.26 Mbit/s
95th percentile per-packet one-way delay: 88.018 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 256.26 Mbit/s
95th percentile per-packet one-way delay: 88.018 ms
Loss rate: 0.46%
```

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

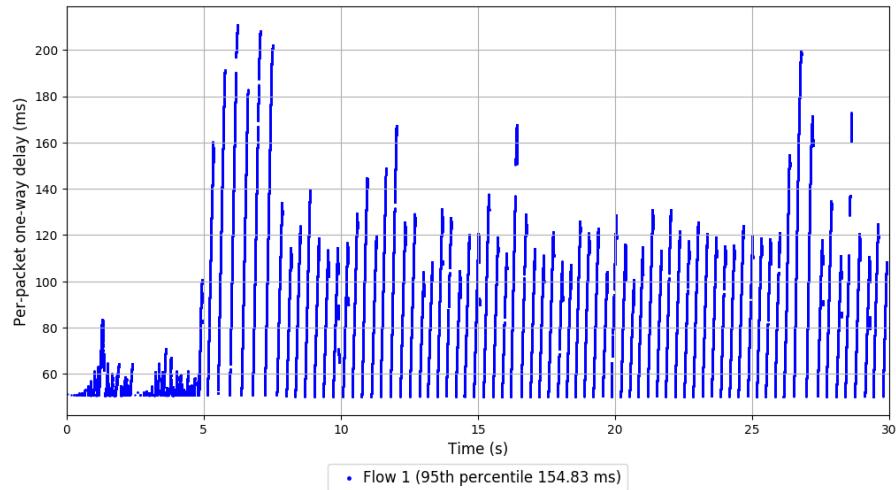
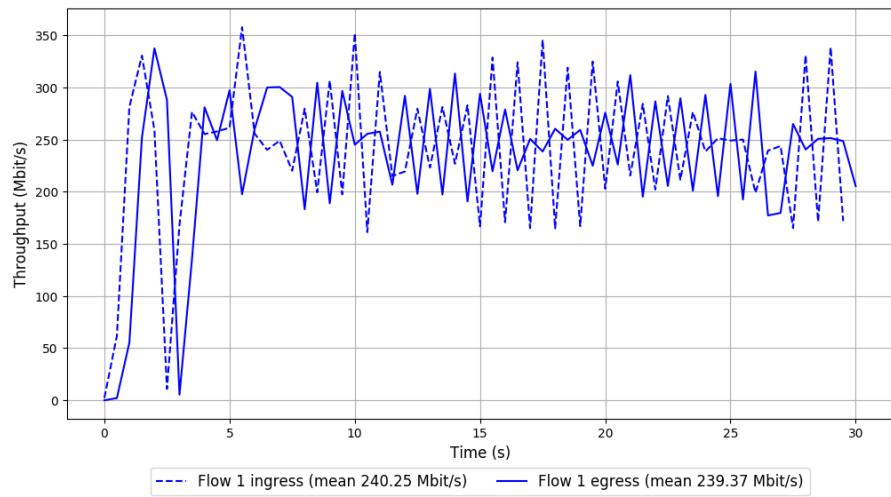


Run 4: Statistics of Verus

```
Start at: 2018-06-07 12:46:02
End at: 2018-06-07 12:46:32
Local clock offset: -0.017 ms
Remote clock offset: -0.061 ms

# Below is generated by plot.py at 2018-06-07 16:03:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 239.37 Mbit/s
95th percentile per-packet one-way delay: 154.832 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 239.37 Mbit/s
95th percentile per-packet one-way delay: 154.832 ms
Loss rate: 0.39%
```

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

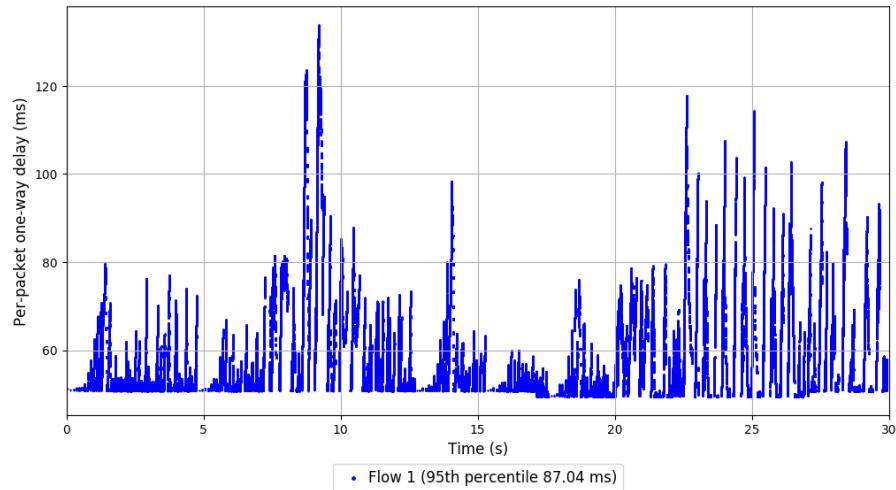
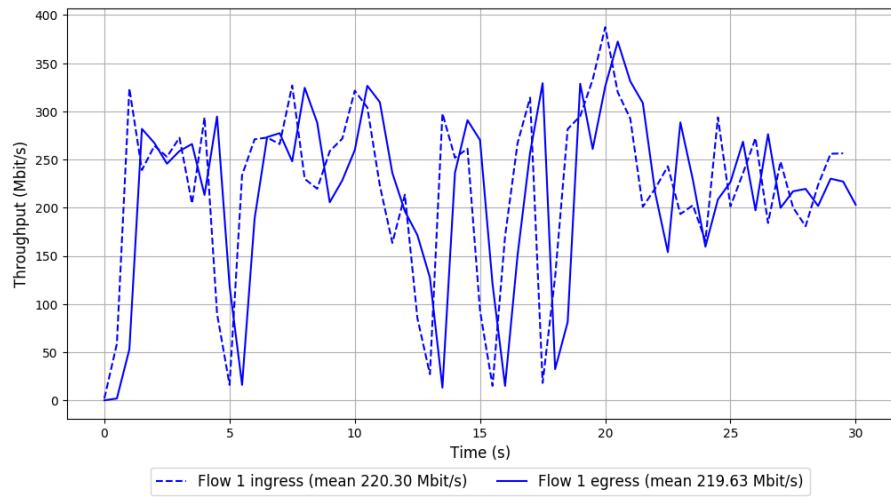


Run 5: Statistics of Verus

```
Start at: 2018-06-07 13:06:22
End at: 2018-06-07 13:06:53
Local clock offset: 0.038 ms
Remote clock offset: -0.04 ms

# Below is generated by plot.py at 2018-06-07 16:03:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 219.63 Mbit/s
95th percentile per-packet one-way delay: 87.039 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 219.63 Mbit/s
95th percentile per-packet one-way delay: 87.039 ms
Loss rate: 0.64%
```

Run 5: Report of Verus — Data Link

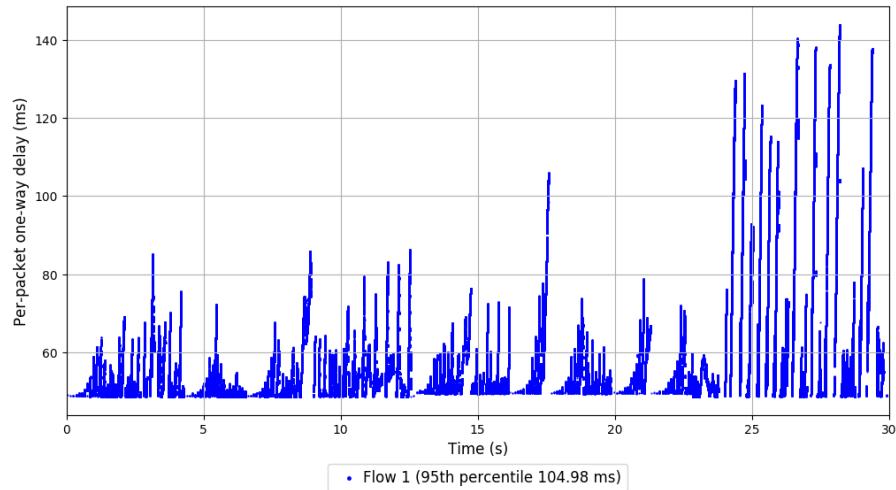
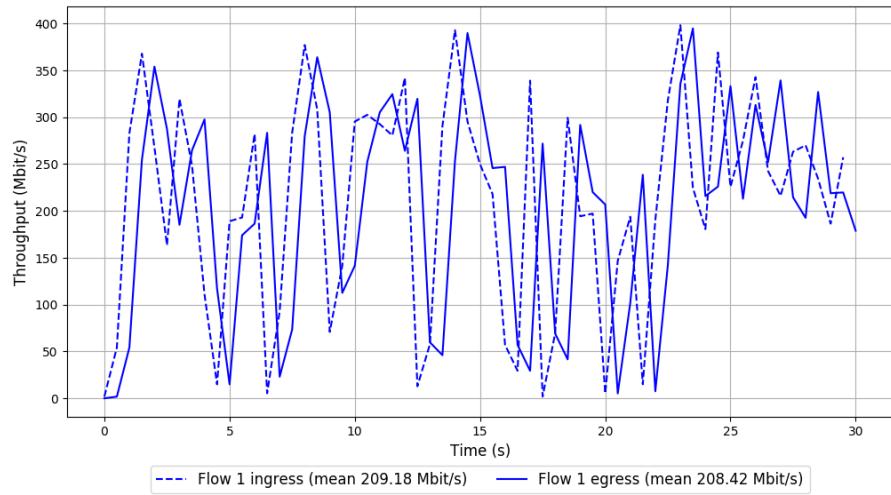


Run 6: Statistics of Verus

```
Start at: 2018-06-07 13:26:37
End at: 2018-06-07 13:27:07
Local clock offset: -0.023 ms
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2018-06-07 16:03:13
# Datalink statistics
-- Total of 1 flow:
Average throughput: 208.42 Mbit/s
95th percentile per-packet one-way delay: 104.981 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 208.42 Mbit/s
95th percentile per-packet one-way delay: 104.981 ms
Loss rate: 0.68%
```

### Run 6: Report of Verus — Data Link

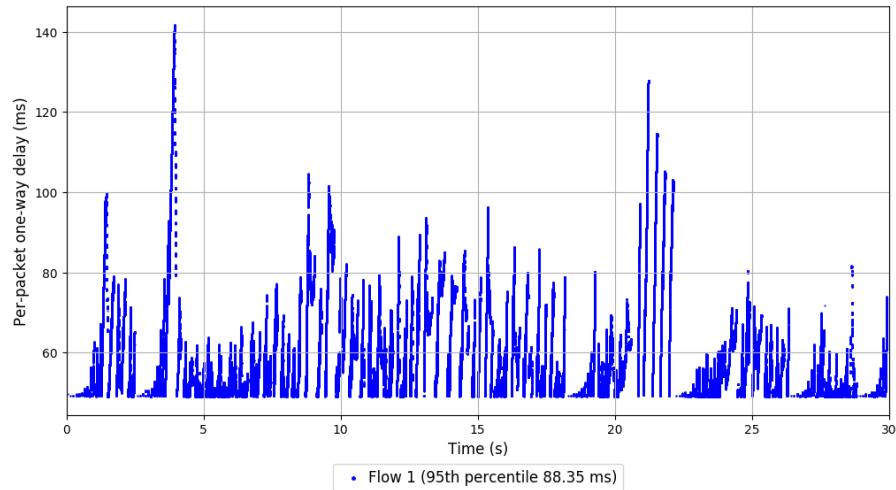
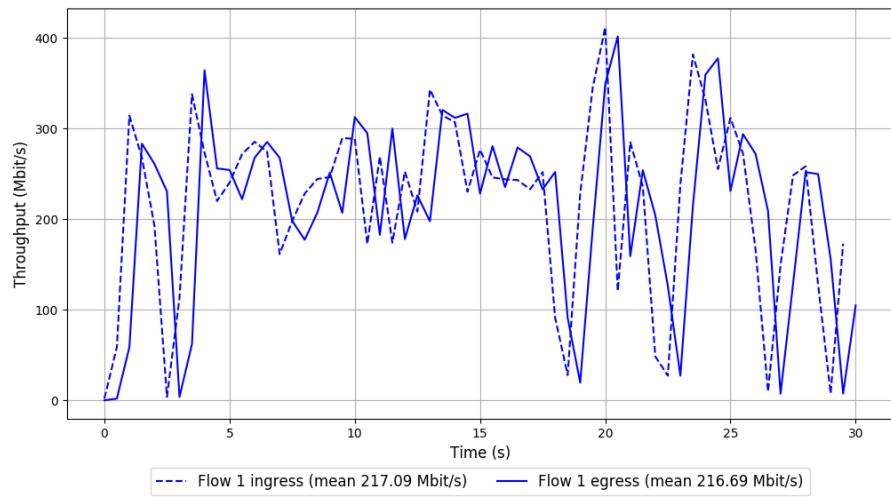


Run 7: Statistics of Verus

```
Start at: 2018-06-07 13:46:35
End at: 2018-06-07 13:47:05
Local clock offset: -0.51 ms
Remote clock offset: -0.113 ms

# Below is generated by plot.py at 2018-06-07 16:03:44
# Datalink statistics
-- Total of 1 flow:
Average throughput: 216.69 Mbit/s
95th percentile per-packet one-way delay: 88.348 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 216.69 Mbit/s
95th percentile per-packet one-way delay: 88.348 ms
Loss rate: 0.52%
```

Run 7: Report of Verus — Data Link

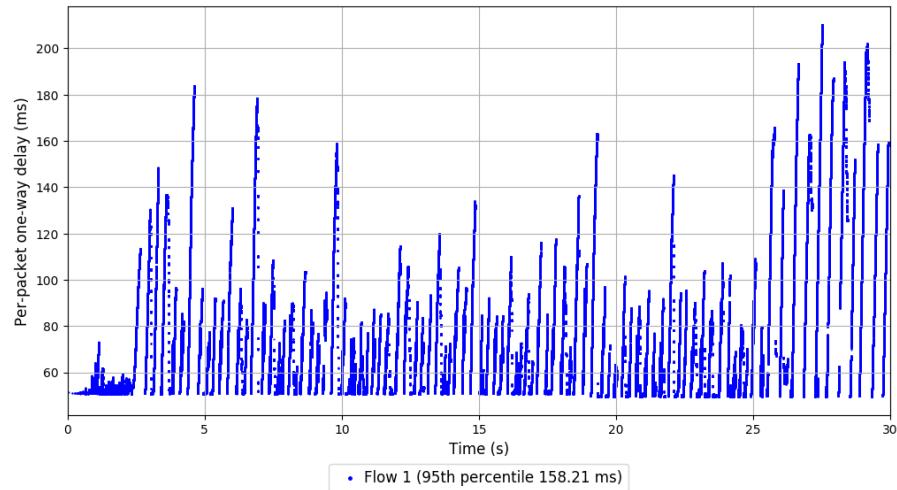
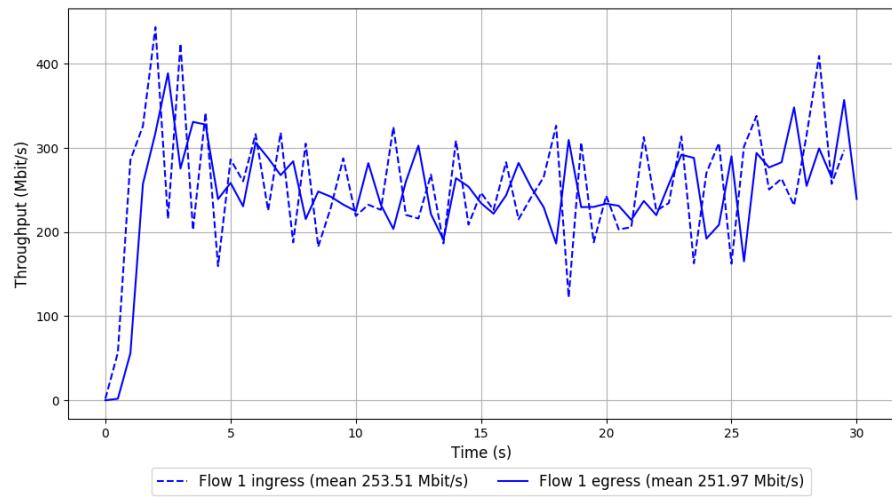


Run 8: Statistics of Verus

```
Start at: 2018-06-07 14:06:41
End at: 2018-06-07 14:07:11
Local clock offset: -0.052 ms
Remote clock offset: -0.043 ms

# Below is generated by plot.py at 2018-06-07 16:05:18
# Datalink statistics
-- Total of 1 flow:
Average throughput: 251.97 Mbit/s
95th percentile per-packet one-way delay: 158.213 ms
Loss rate: 0.80%
-- Flow 1:
Average throughput: 251.97 Mbit/s
95th percentile per-packet one-way delay: 158.213 ms
Loss rate: 0.80%
```

Run 8: Report of Verus — Data Link

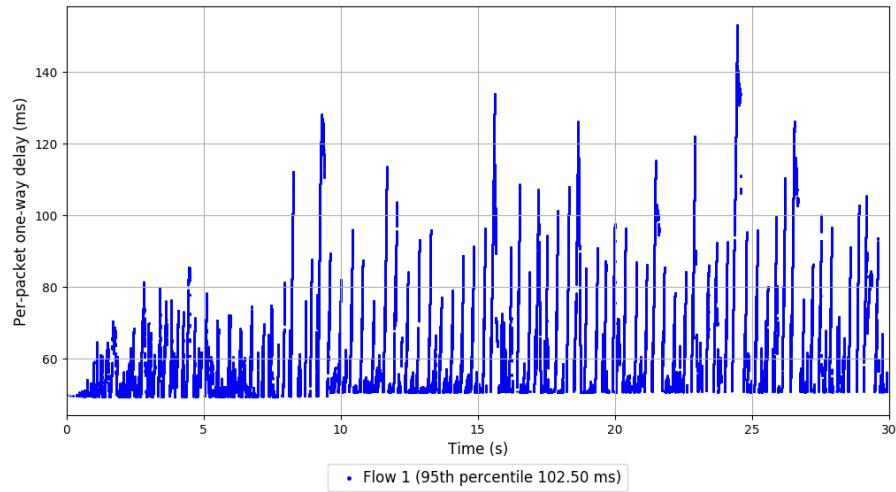
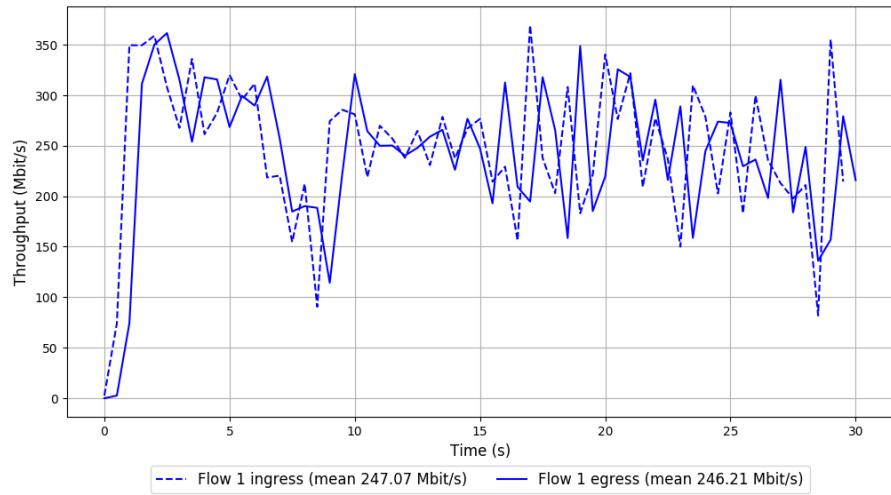


Run 9: Statistics of Verus

```
Start at: 2018-06-07 14:26:50
End at: 2018-06-07 14:27:20
Local clock offset: -0.102 ms
Remote clock offset: 0.008 ms

# Below is generated by plot.py at 2018-06-07 16:05:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 246.21 Mbit/s
95th percentile per-packet one-way delay: 102.505 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 246.21 Mbit/s
95th percentile per-packet one-way delay: 102.505 ms
Loss rate: 0.50%
```

Run 9: Report of Verus — Data Link

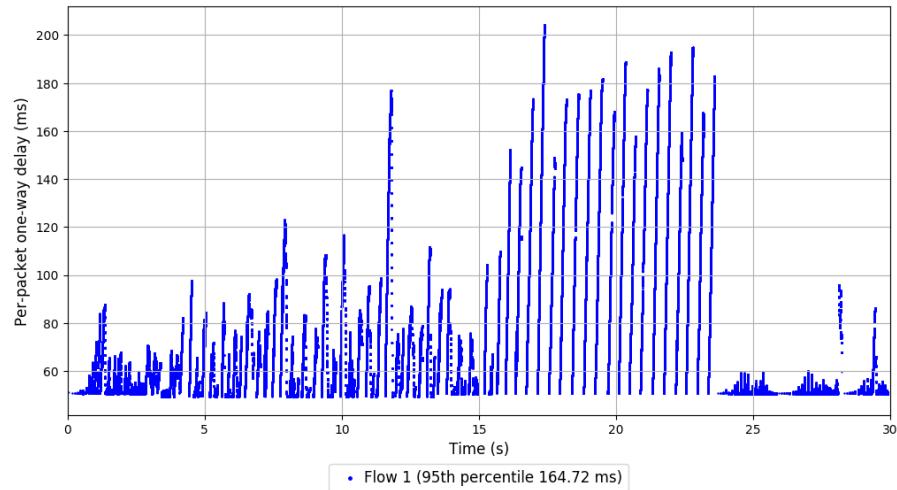
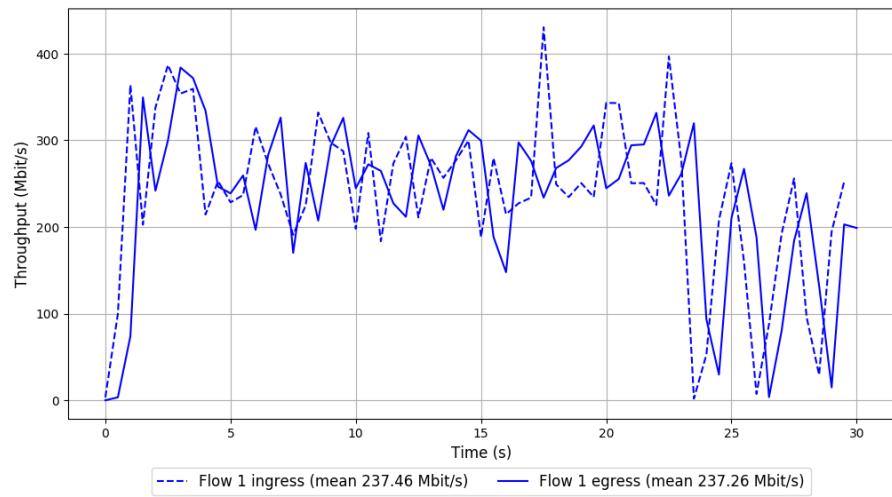


Run 10: Statistics of Verus

```
Start at: 2018-06-07 14:46:46
End at: 2018-06-07 14:47:16
Local clock offset: -0.197 ms
Remote clock offset: -0.086 ms

# Below is generated by plot.py at 2018-06-07 16:06:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 237.26 Mbit/s
95th percentile per-packet one-way delay: 164.715 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 237.26 Mbit/s
95th percentile per-packet one-way delay: 164.715 ms
Loss rate: 0.42%
```

Run 10: Report of Verus — Data Link

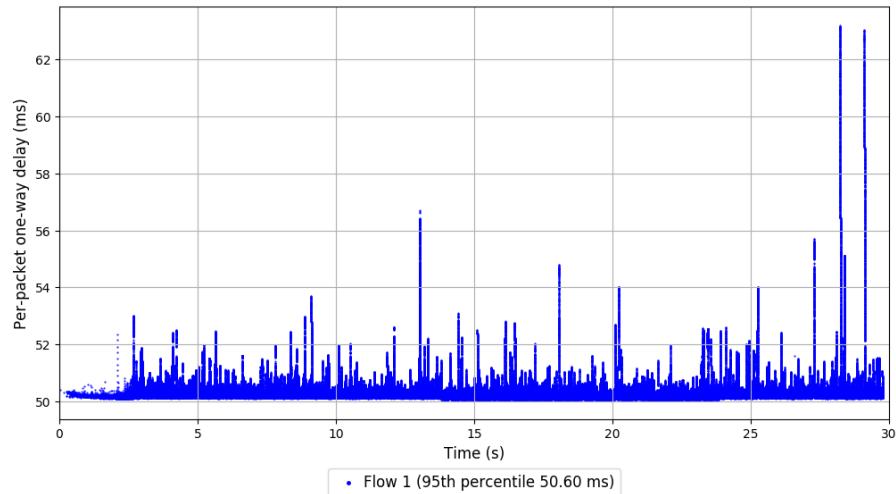
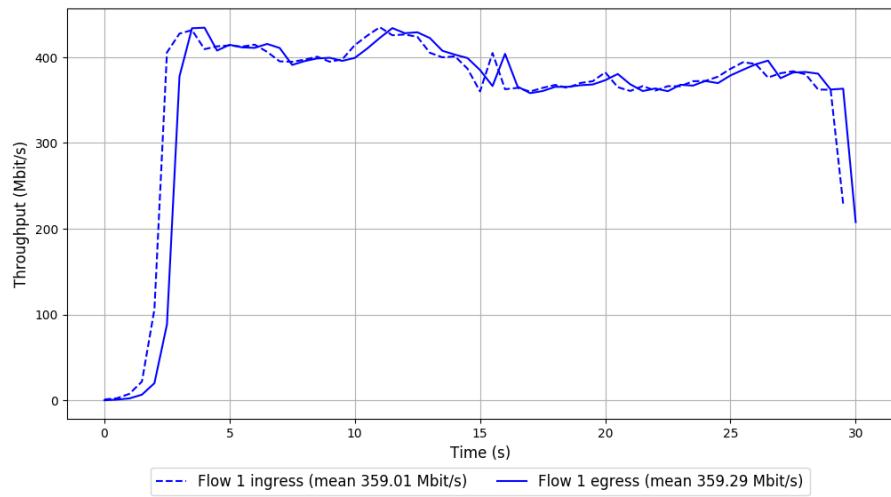


Run 1: Statistics of PCC-Vivace

```
Start at: 2018-06-07 11:42:45
End at: 2018-06-07 11:43:16
Local clock offset: -0.048 ms
Remote clock offset: 0.155 ms

# Below is generated by plot.py at 2018-06-07 16:08:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 359.29 Mbit/s
95th percentile per-packet one-way delay: 50.598 ms
Loss rate: 0.26%
-- Flow 1:
Average throughput: 359.29 Mbit/s
95th percentile per-packet one-way delay: 50.598 ms
Loss rate: 0.26%
```

Run 1: Report of PCC-Vivace — Data Link

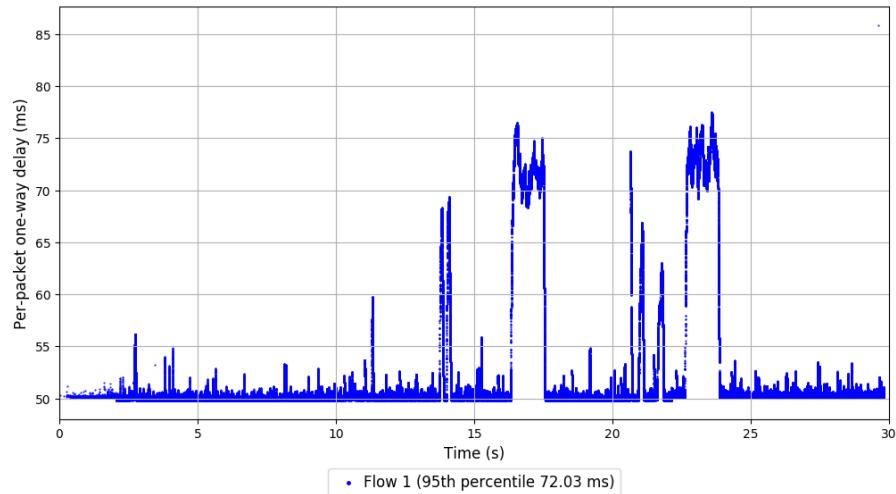
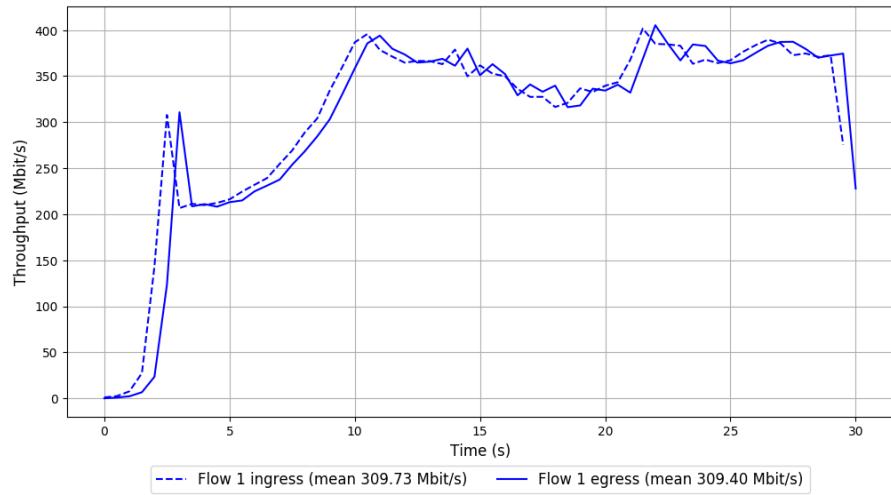


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-06-07 12:02:57
End at: 2018-06-07 12:03:27
Local clock offset: 0.392 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-06-07 16:08:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 309.40 Mbit/s
95th percentile per-packet one-way delay: 72.030 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 309.40 Mbit/s
95th percentile per-packet one-way delay: 72.030 ms
Loss rate: 0.44%
```

Run 2: Report of PCC-Vivace — Data Link

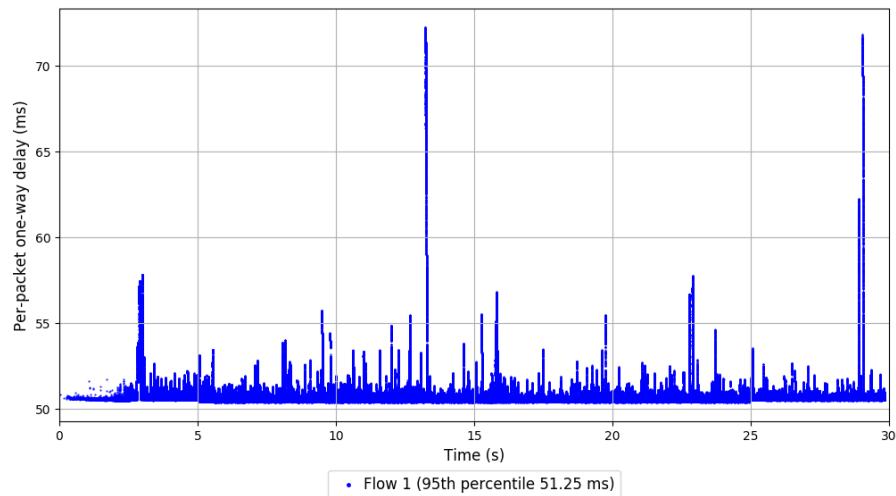
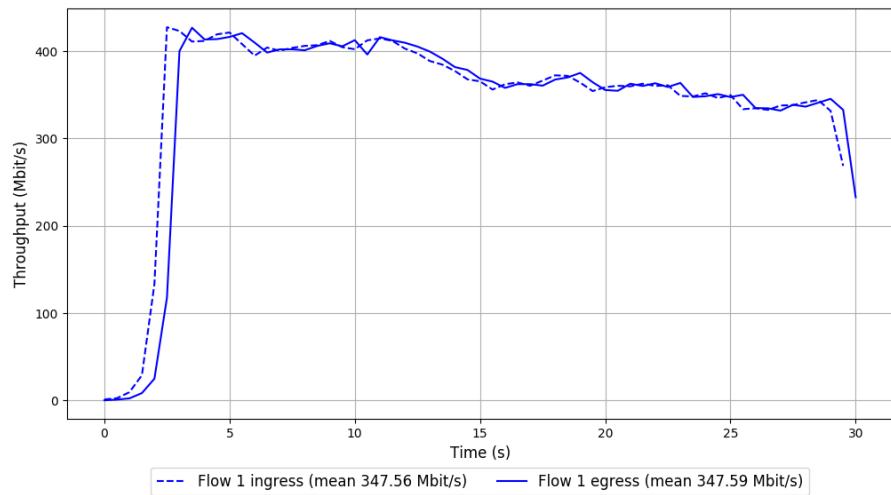


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-06-07 12:23:05
End at: 2018-06-07 12:23:35
Local clock offset: -0.006 ms
Remote clock offset: -0.028 ms

# Below is generated by plot.py at 2018-06-07 16:08:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 347.59 Mbit/s
95th percentile per-packet one-way delay: 51.250 ms
Loss rate: 0.33%
-- Flow 1:
Average throughput: 347.59 Mbit/s
95th percentile per-packet one-way delay: 51.250 ms
Loss rate: 0.33%
```

Run 3: Report of PCC-Vivace — Data Link

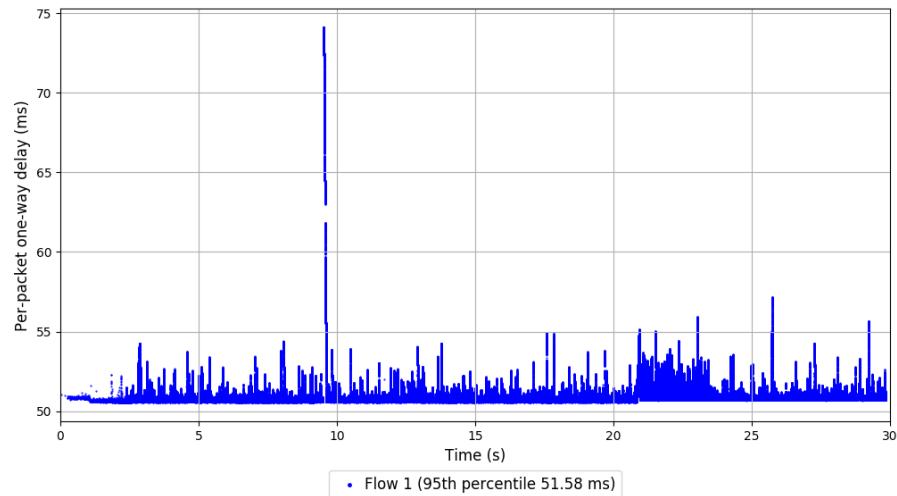
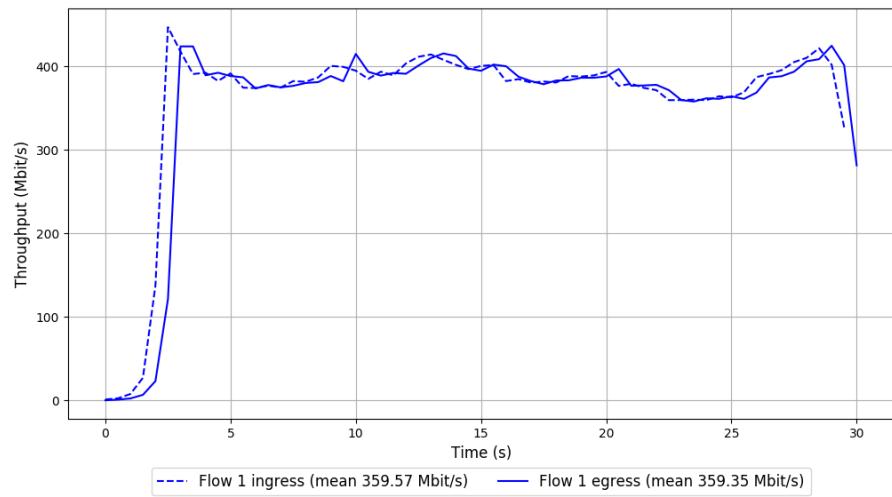


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-06-07 12:43:09
End at: 2018-06-07 12:43:39
Local clock offset: -0.006 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-06-07 16:09:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 359.35 Mbit/s
95th percentile per-packet one-way delay: 51.580 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 359.35 Mbit/s
95th percentile per-packet one-way delay: 51.580 ms
Loss rate: 0.40%
```

Run 4: Report of PCC-Vivace — Data Link

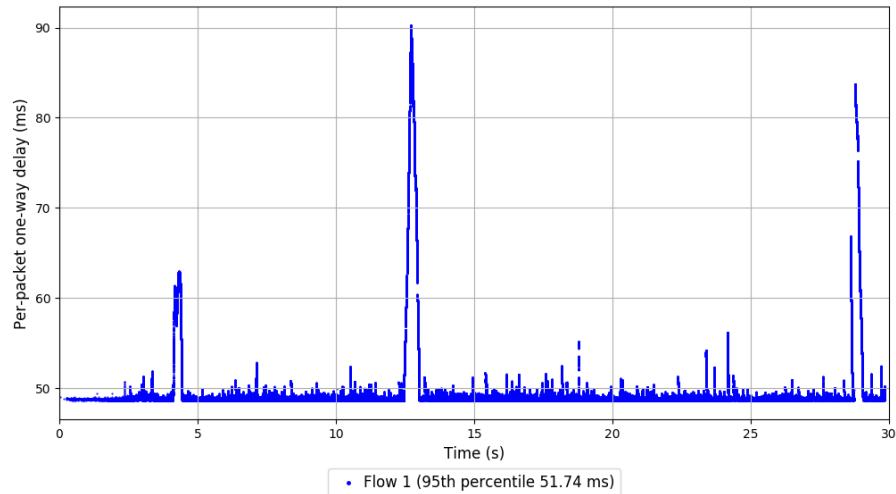
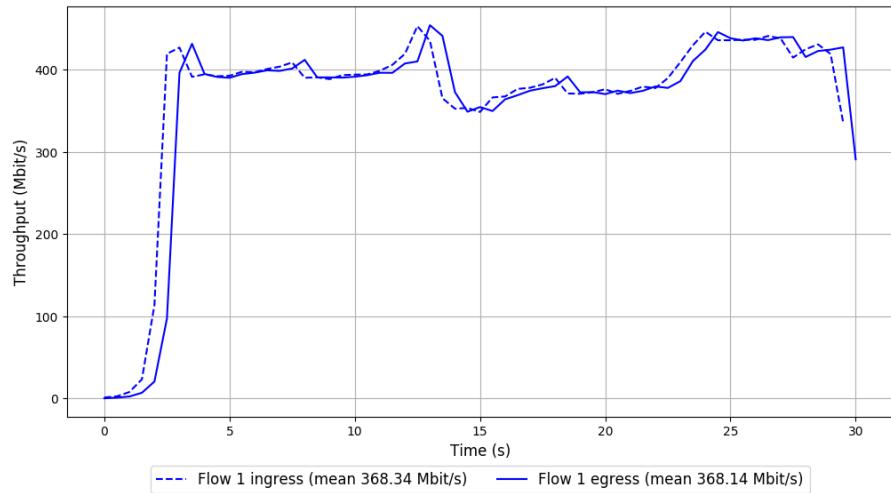


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-06-07 13:03:21
End at: 2018-06-07 13:03:51
Local clock offset: 0.015 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2018-06-07 16:10:16
# Datalink statistics
-- Total of 1 flow:
Average throughput: 368.14 Mbit/s
95th percentile per-packet one-way delay: 51.743 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 368.14 Mbit/s
95th percentile per-packet one-way delay: 51.743 ms
Loss rate: 0.39%
```

Run 5: Report of PCC-Vivace — Data Link

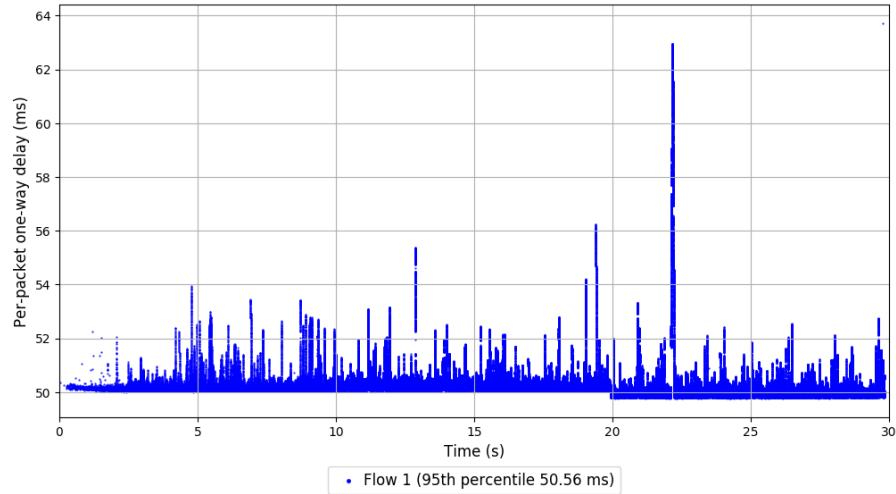
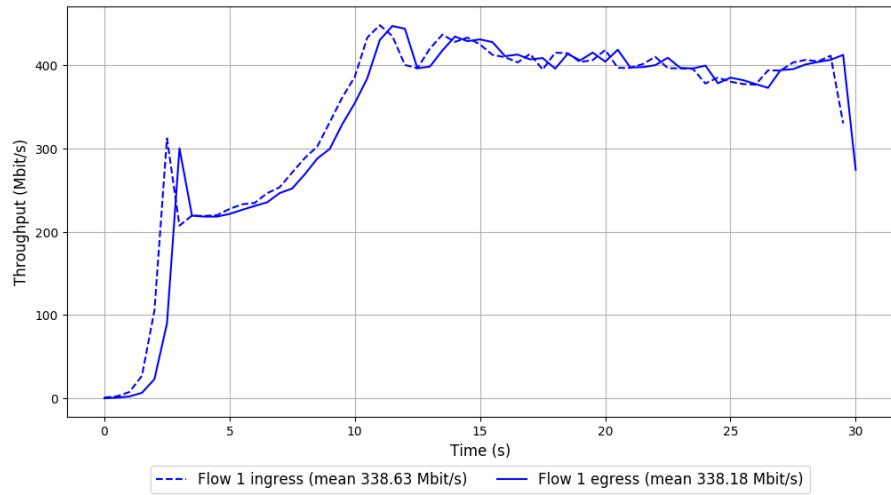


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-06-07 13:23:40
End at: 2018-06-07 13:24:10
Local clock offset: 0.007 ms
Remote clock offset: -0.058 ms

# Below is generated by plot.py at 2018-06-07 16:10:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 338.18 Mbit/s
95th percentile per-packet one-way delay: 50.558 ms
Loss rate: 0.47%
-- Flow 1:
Average throughput: 338.18 Mbit/s
95th percentile per-packet one-way delay: 50.558 ms
Loss rate: 0.47%
```

Run 6: Report of PCC-Vivace — Data Link

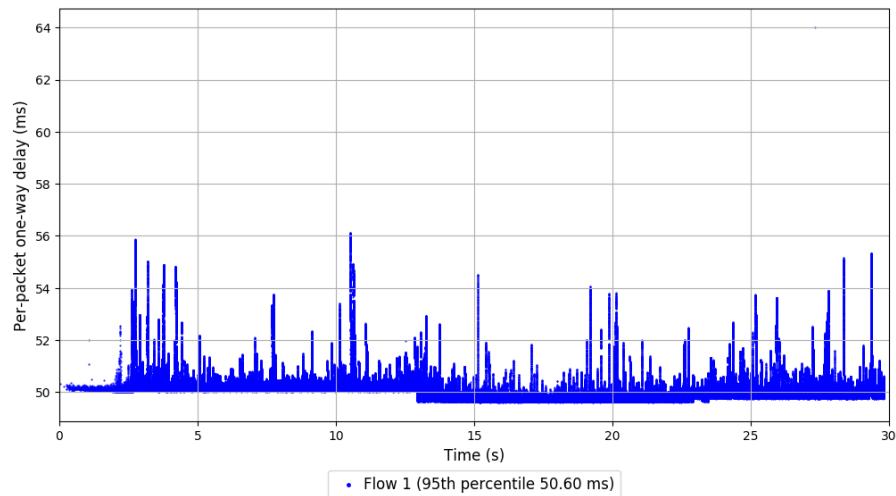
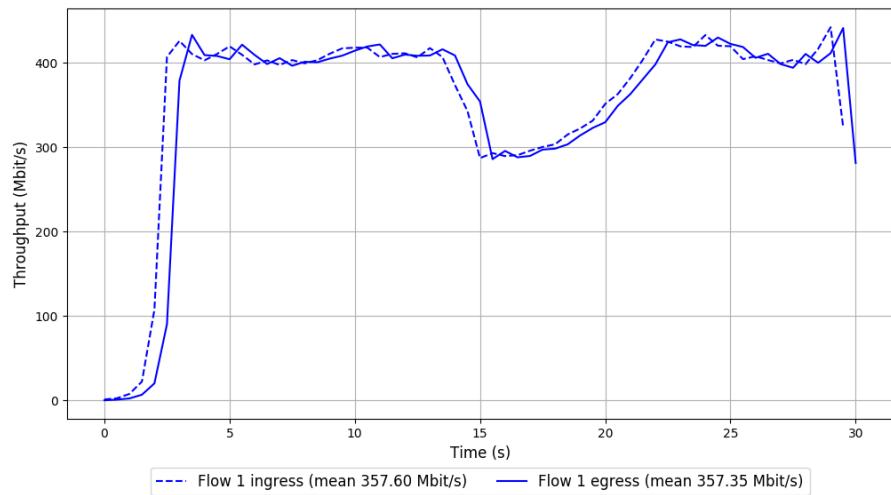


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-06-07 13:43:37
End at: 2018-06-07 13:44:07
Local clock offset: -0.06 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2018-06-07 16:11:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 357.35 Mbit/s
95th percentile per-packet one-way delay: 50.599 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 357.35 Mbit/s
95th percentile per-packet one-way delay: 50.599 ms
Loss rate: 0.41%
```

Run 7: Report of PCC-Vivace — Data Link

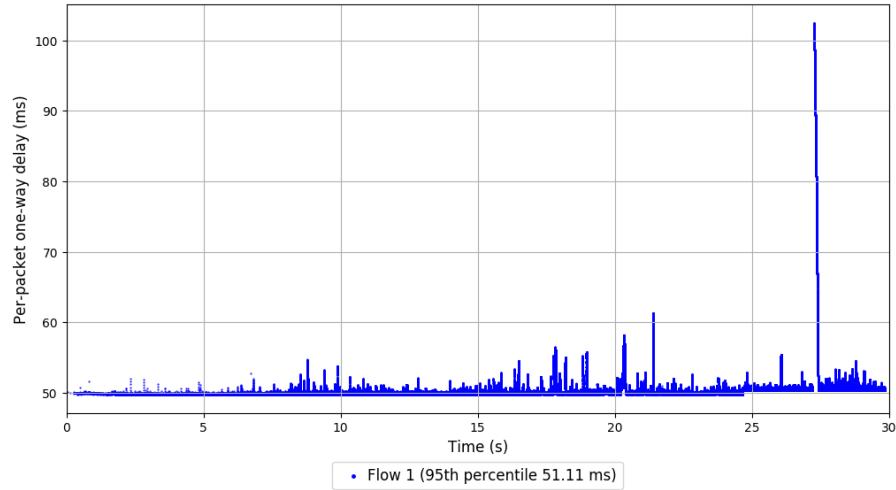
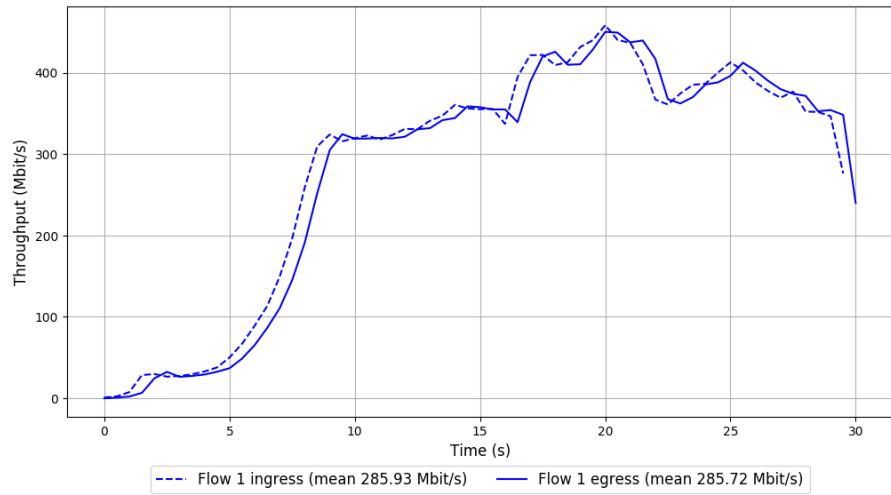


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-06-07 14:03:45
End at: 2018-06-07 14:04:15
Local clock offset: -0.101 ms
Remote clock offset: -0.051 ms

# Below is generated by plot.py at 2018-06-07 16:11:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 285.72 Mbit/s
95th percentile per-packet one-way delay: 51.114 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 285.72 Mbit/s
95th percentile per-packet one-way delay: 51.114 ms
Loss rate: 0.41%
```

Run 8: Report of PCC-Vivace — Data Link

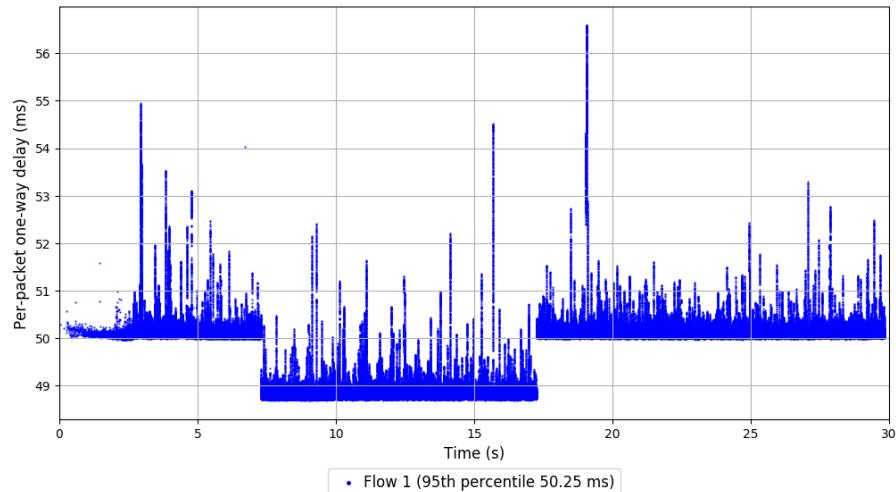
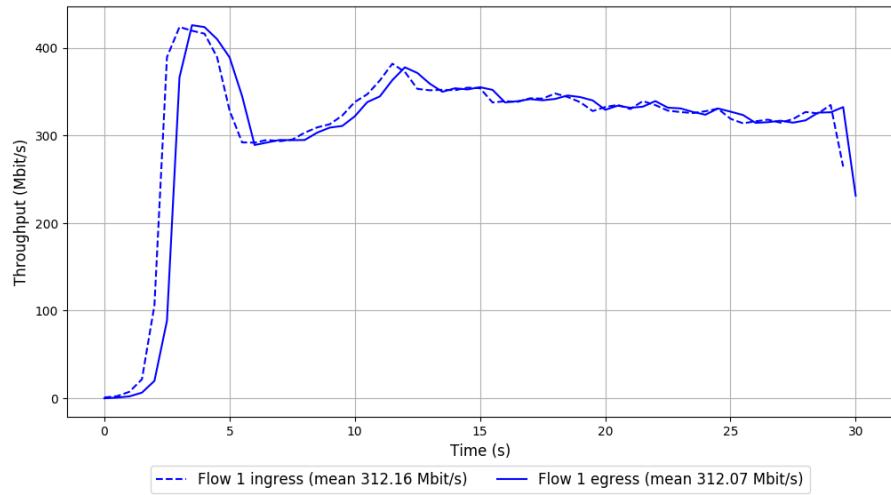


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-06-07 14:23:52
End at: 2018-06-07 14:24:22
Local clock offset: -0.755 ms
Remote clock offset: 0.031 ms

# Below is generated by plot.py at 2018-06-07 16:11:28
# Datalink statistics
-- Total of 1 flow:
Average throughput: 312.07 Mbit/s
95th percentile per-packet one-way delay: 50.247 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 312.07 Mbit/s
95th percentile per-packet one-way delay: 50.247 ms
Loss rate: 0.37%
```

Run 9: Report of PCC-Vivace — Data Link

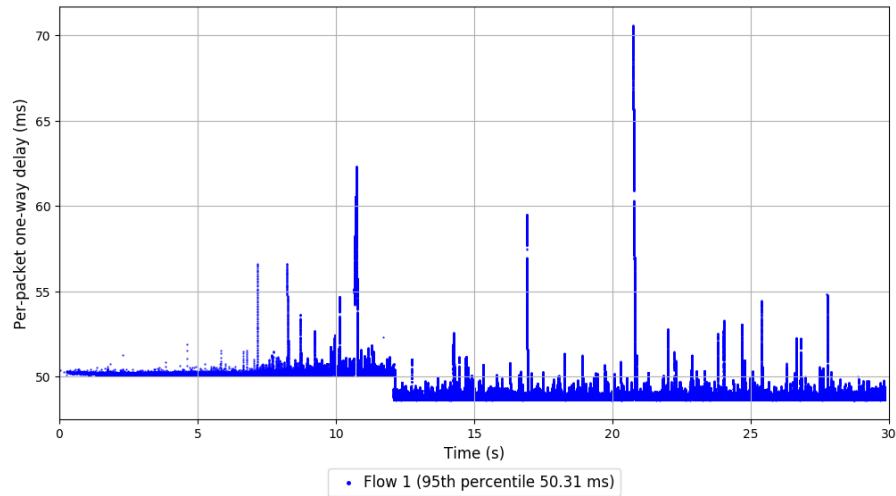
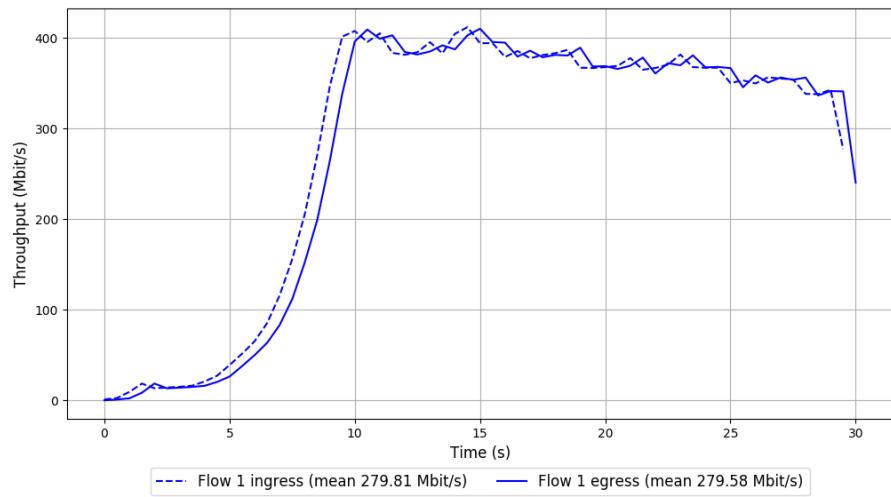


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-06-07 14:43:57
End at: 2018-06-07 14:44:27
Local clock offset: 0.029 ms
Remote clock offset: -0.036 ms

# Below is generated by plot.py at 2018-06-07 16:11:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 279.58 Mbit/s
95th percentile per-packet one-way delay: 50.312 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 279.58 Mbit/s
95th percentile per-packet one-way delay: 50.312 ms
Loss rate: 0.42%
```

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

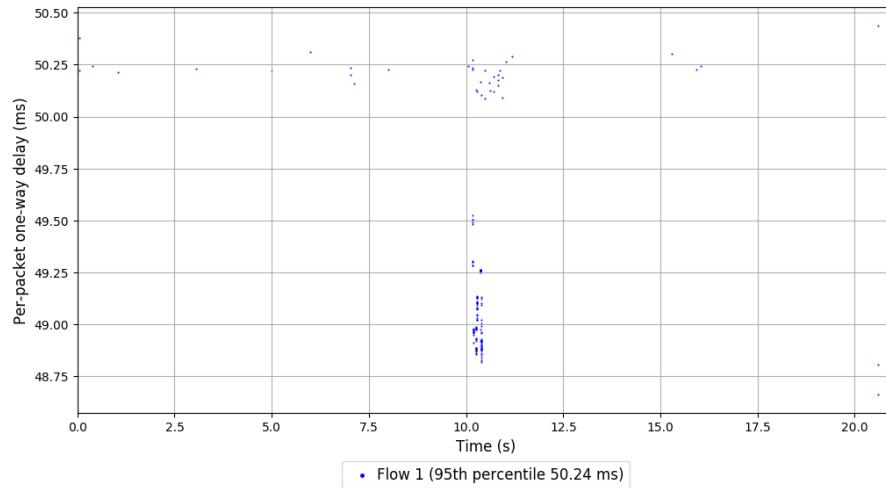
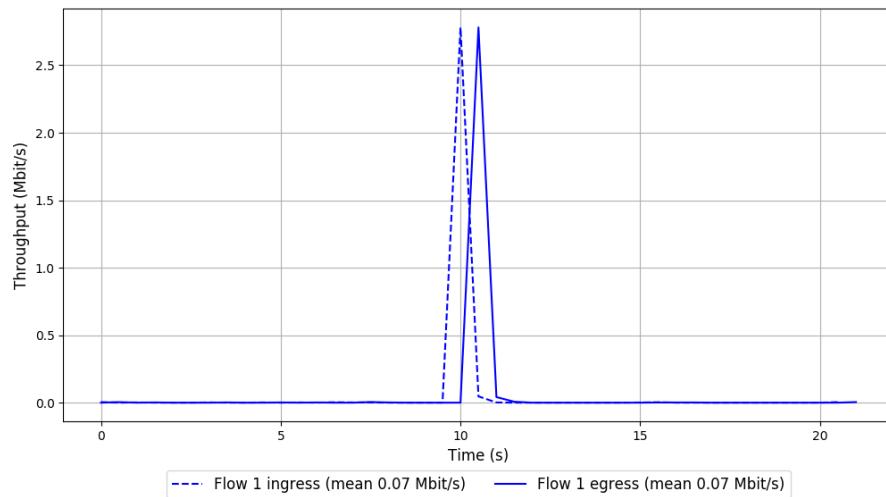
Start at: 2018-06-07 11:29:25

End at: 2018-06-07 11:29:55

Local clock offset: -0.035 ms

Remote clock offset: 0.195 ms

Run 1: Report of WebRTC media — Data Link

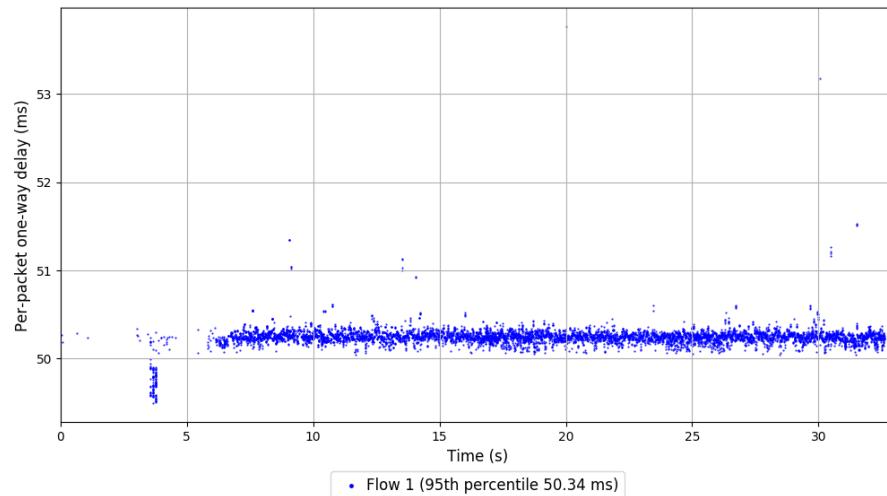
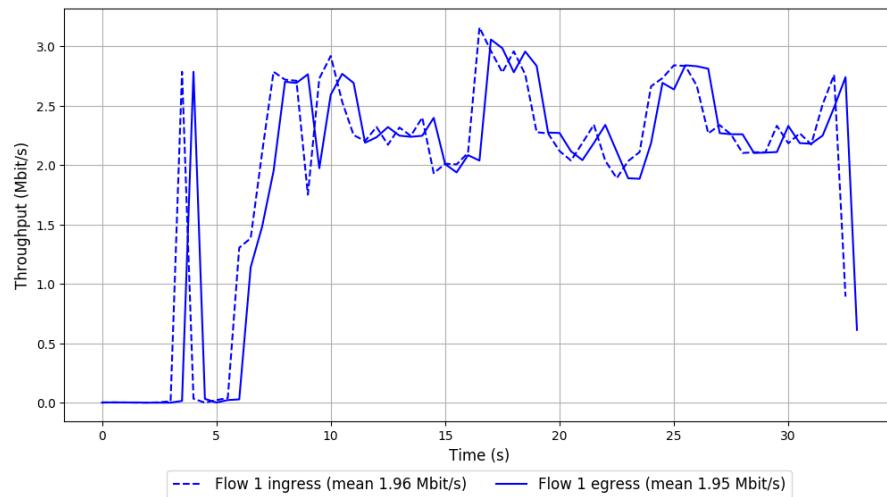


Run 2: Statistics of WebRTC media

```
Start at: 2018-06-07 11:49:27
End at: 2018-06-07 11:49:57
Local clock offset: -0.038 ms
Remote clock offset: 0.041 ms

# Below is generated by plot.py at 2018-06-07 16:11:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 50.344 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 1.95 Mbit/s
95th percentile per-packet one-way delay: 50.344 ms
Loss rate: 0.44%
```

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

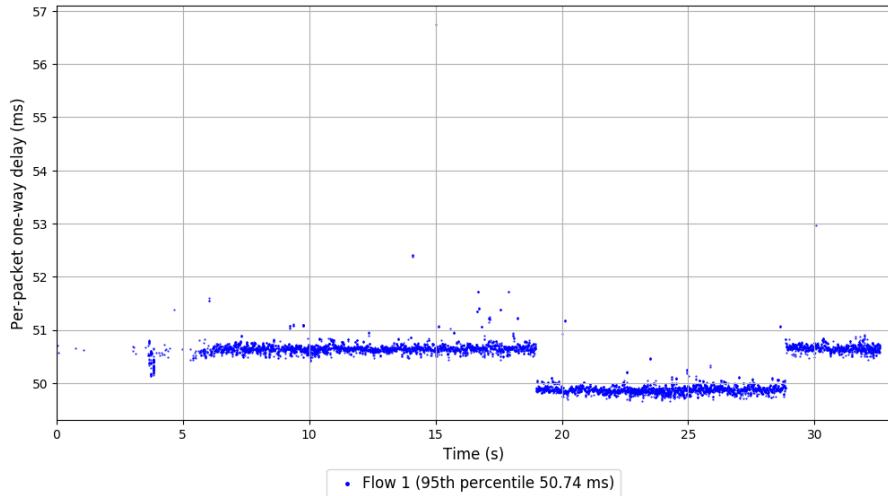
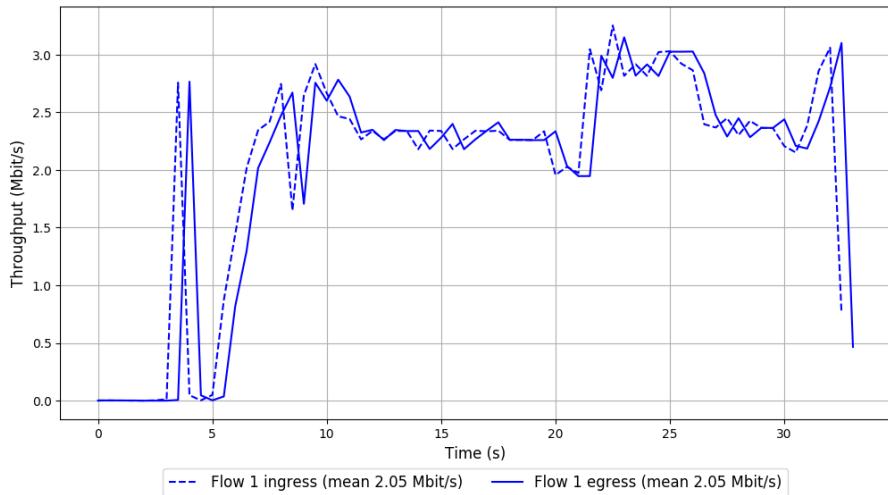


```
Run 3: Statistics of WebRTC media

Start at: 2018-06-07 12:09:23
End at: 2018-06-07 12:09:53
Local clock offset: 0.017 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2018-06-07 16:11:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 50.744 ms
Loss rate: 0.42%
-- Flow 1:
Average throughput: 2.05 Mbit/s
95th percentile per-packet one-way delay: 50.744 ms
Loss rate: 0.42%
```

Run 3: Report of WebRTC media — Data Link

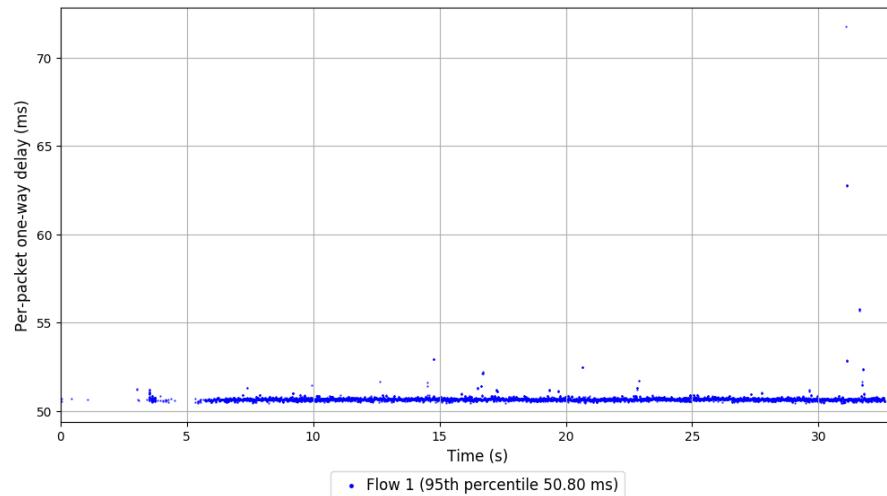
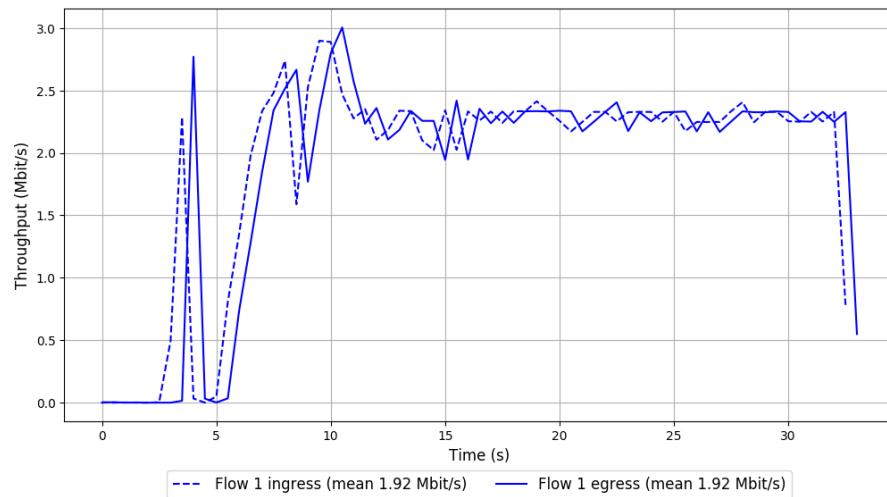


Run 4: Statistics of WebRTC media

```
Start at: 2018-06-07 12:29:50
End at: 2018-06-07 12:30:20
Local clock offset: 0.352 ms
Remote clock offset: -0.063 ms

# Below is generated by plot.py at 2018-06-07 16:11:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 50.795 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 50.795 ms
Loss rate: 0.37%
```

Run 4: Report of WebRTC media — Data Link

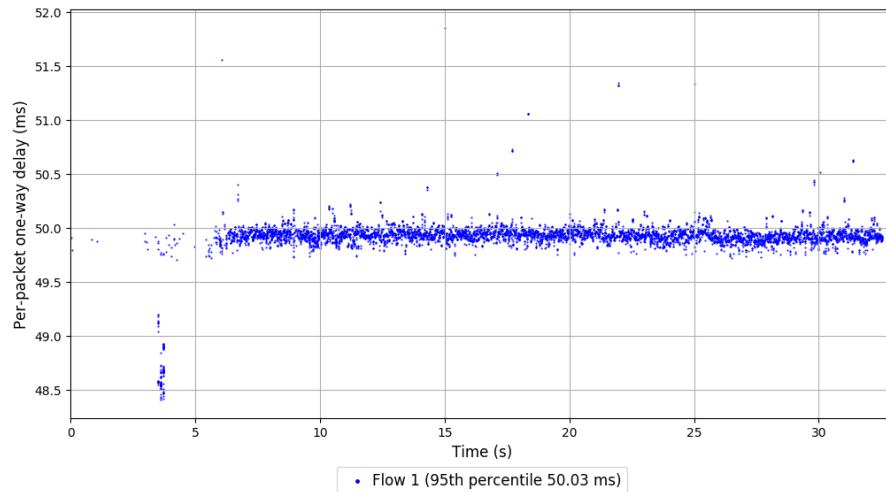
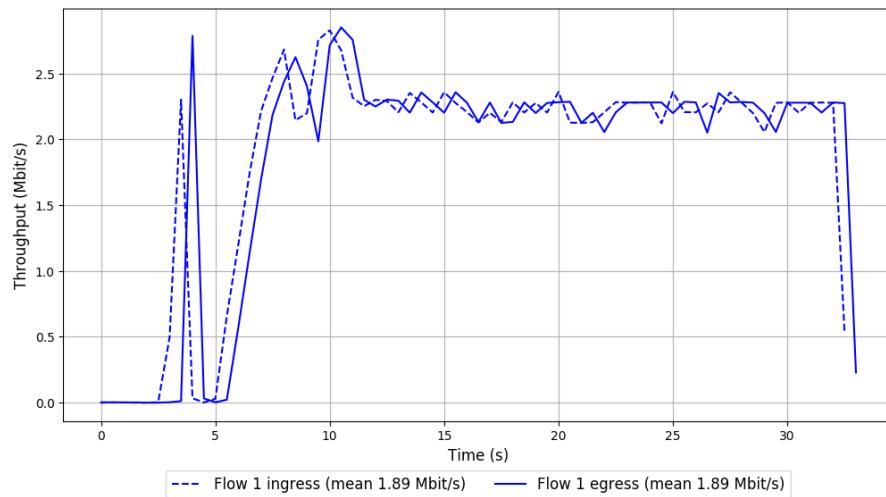


Run 5: Statistics of WebRTC media

```
Start at: 2018-06-07 12:49:46
End at: 2018-06-07 12:50:16
Local clock offset: -0.392 ms
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2018-06-07 16:11:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 50.035 ms
Loss rate: 0.43%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 50.035 ms
Loss rate: 0.43%
```

Run 5: Report of WebRTC media — Data Link

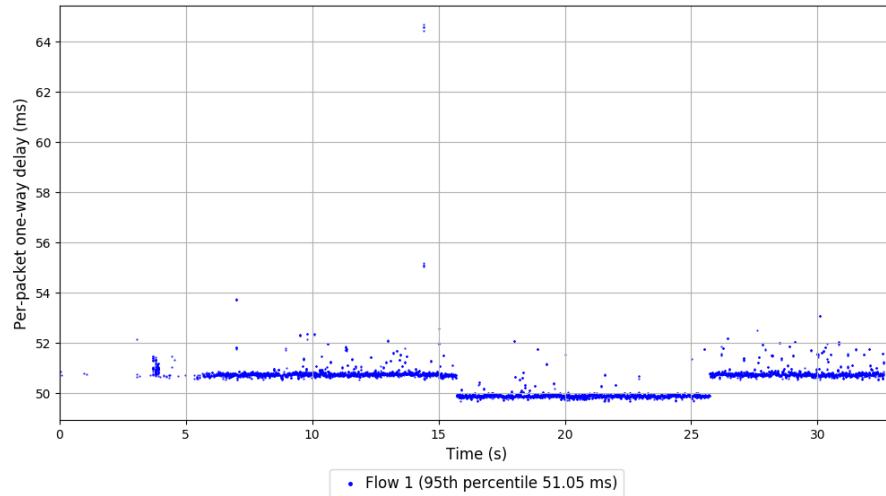
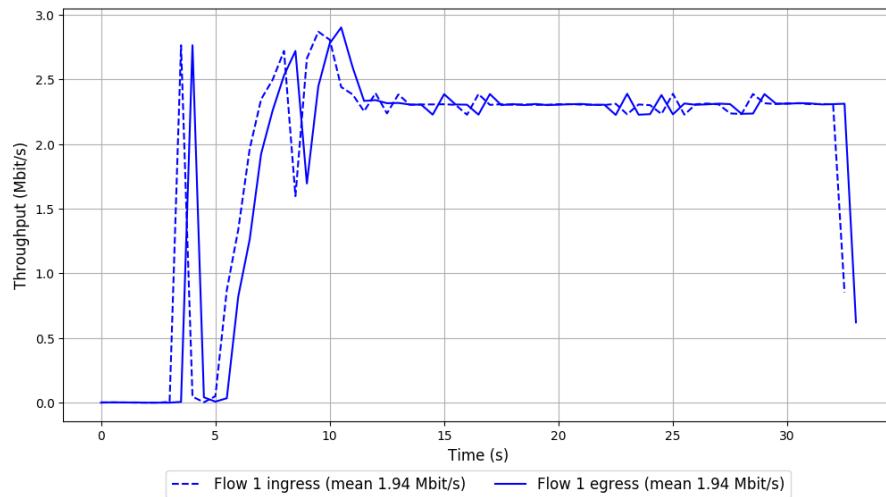


```
Run 6: Statistics of WebRTC media

Start at: 2018-06-07 13:10:06
End at: 2018-06-07 13:10:36
Local clock offset: 0.018 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2018-06-07 16:11:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 51.055 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 51.055 ms
Loss rate: 0.36%
```

Run 6: Report of WebRTC media — Data Link

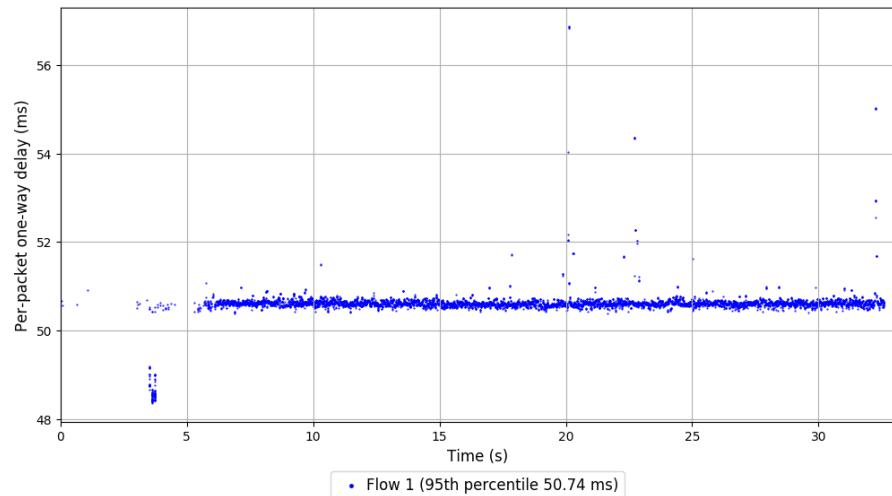
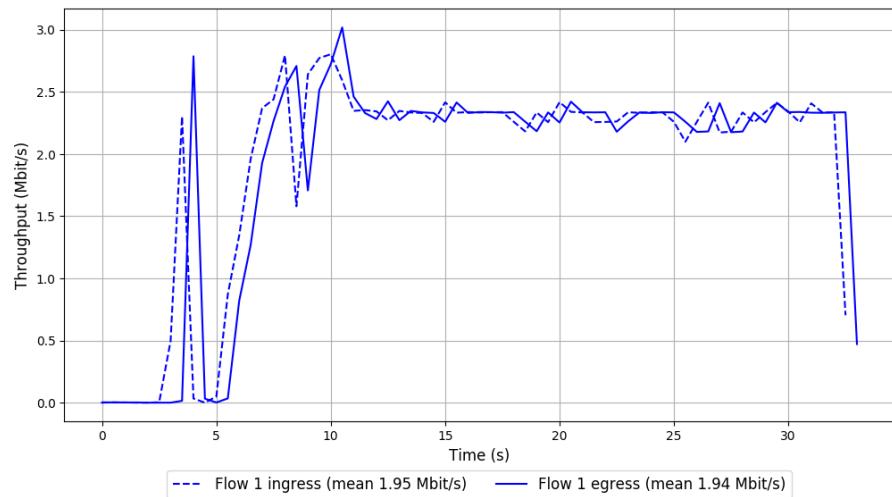


Run 7: Statistics of WebRTC media

```
Start at: 2018-06-07 13:30:20
End at: 2018-06-07 13:30:50
Local clock offset: -0.382 ms
Remote clock offset: -0.07 ms

# Below is generated by plot.py at 2018-06-07 16:11:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 50.736 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.94 Mbit/s
95th percentile per-packet one-way delay: 50.736 ms
Loss rate: 0.37%
```

Run 7: Report of WebRTC media — Data Link

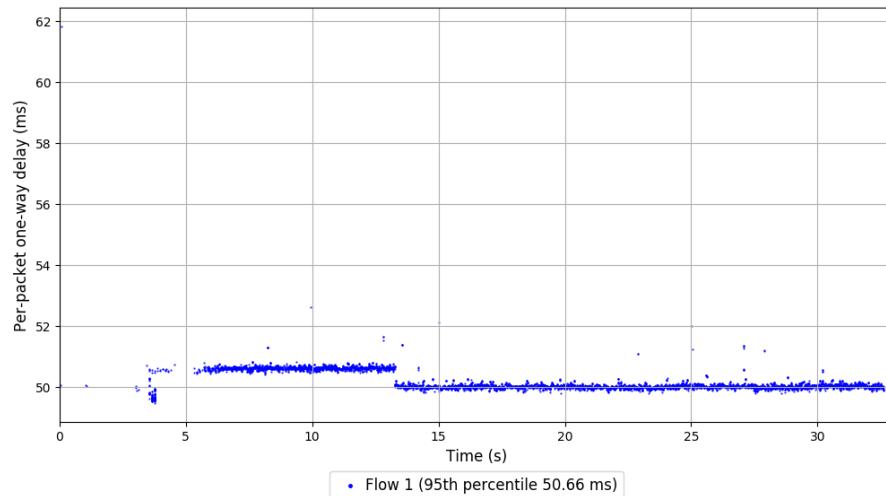
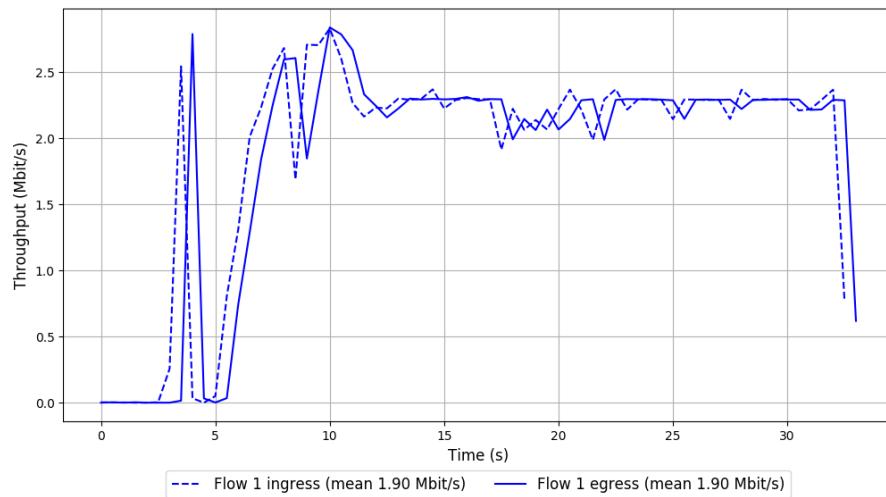


Run 8: Statistics of WebRTC media

```
Start at: 2018-06-07 13:50:19
End at: 2018-06-07 13:50:49
Local clock offset: -0.078 ms
Remote clock offset: -0.092 ms

# Below is generated by plot.py at 2018-06-07 16:11:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 50.661 ms
Loss rate: 0.37%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 50.661 ms
Loss rate: 0.37%
```

Run 8: Report of WebRTC media — Data Link

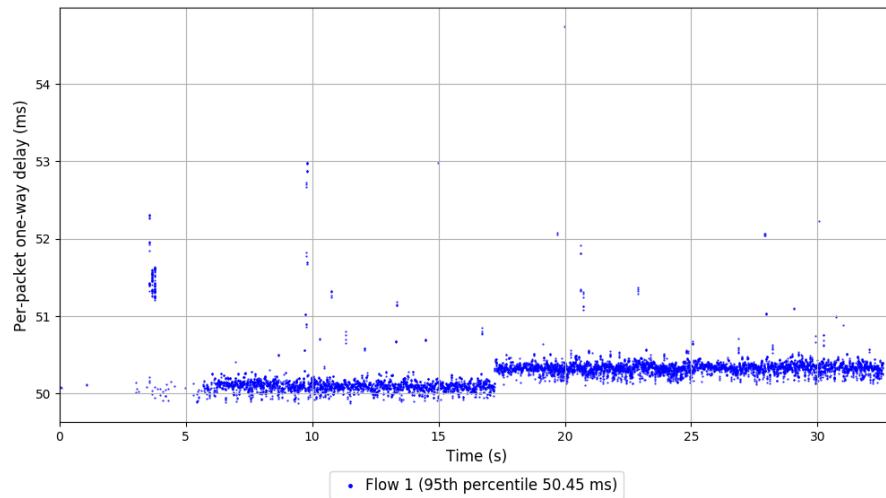
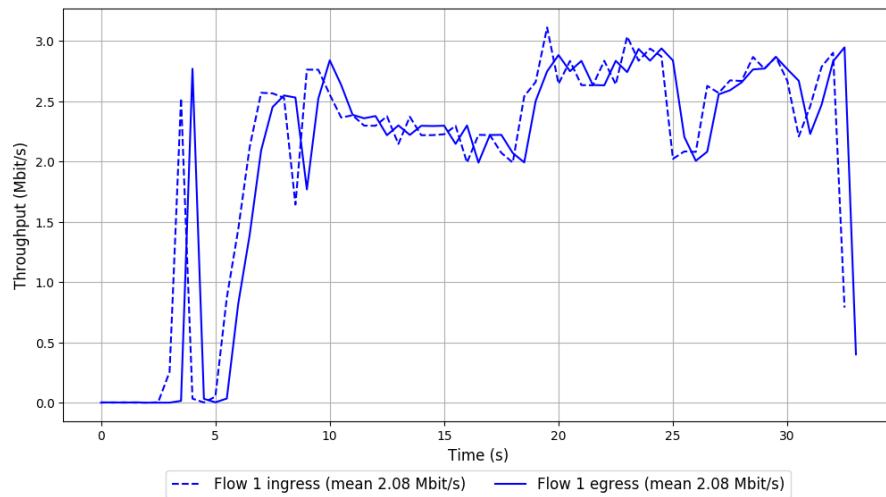


Run 9: Statistics of WebRTC media

```
Start at: 2018-06-07 14:10:25
End at: 2018-06-07 14:10:55
Local clock offset: 0.373 ms
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2018-06-07 16:11:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 50.452 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 2.08 Mbit/s
95th percentile per-packet one-way delay: 50.452 ms
Loss rate: 0.41%
```

Run 9: Report of WebRTC media — Data Link



```
Run 10: Statistics of WebRTC media
```

```
Start at: 2018-06-07 14:30:36
End at: 2018-06-07 14:31:06
Local clock offset: -0.185 ms
Remote clock offset: 0.041 ms

# Below is generated by plot.py at 2018-06-07 16:11:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 49.632 ms
Loss rate: 0.32%
-- Flow 1:
Average throughput: 1.99 Mbit/s
95th percentile per-packet one-way delay: 49.632 ms
Loss rate: 0.32%
```

Run 10: Report of WebRTC media — Data Link

