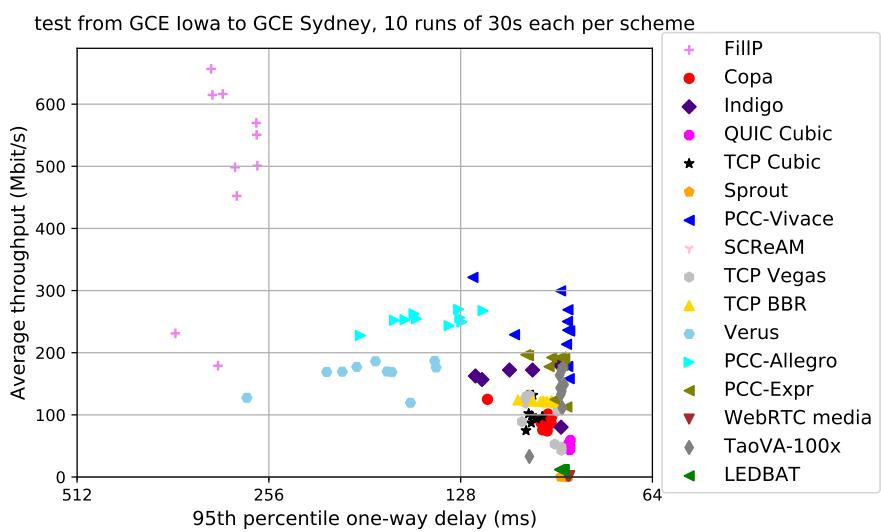
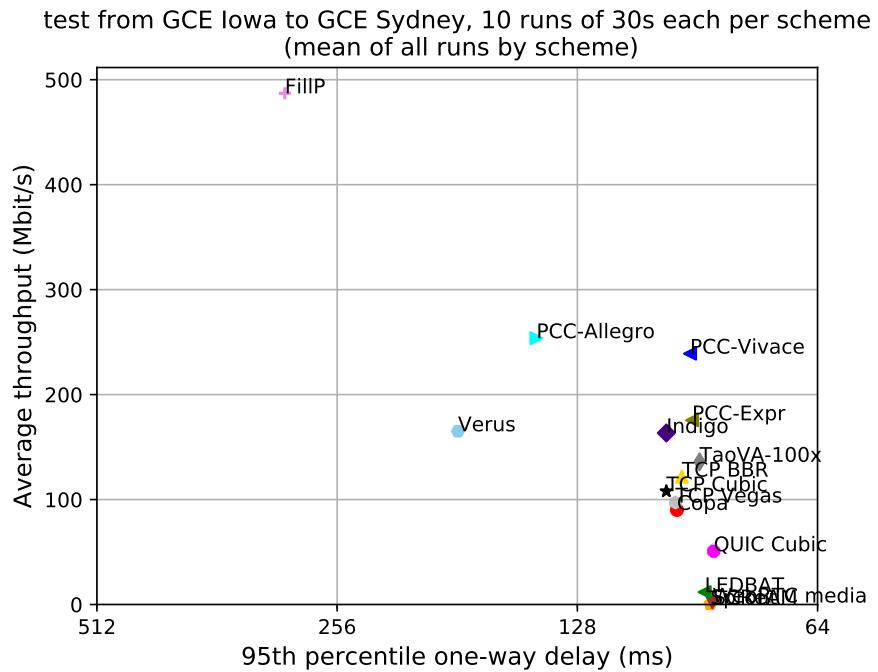


## Pantheon Report

Generated at 2018-06-30 03:38:10 (UTC).  
Data path: GCE Iowa Ethernet (*remote*) → GCE Sydney Ethernet (*local*).  
Repeated the test of 17 congestion control schemes 10 times.  
Each test lasted for 30 seconds running 1 flow.  
Increased UDP receive buffer to 16 MB (default) and 32 MB (max).  
NTP offsets were measured against `time.google.com` and have been applied to correct the timestamps in logs.

Git summary:

```
branch: master @ 715dc5f09d172e419699f6f17f1cb4c45064f212
third_party/fillp @ d47f4fa1b454a5e3c0537115c5a28436dbd4b834
third_party/fillp-sheep @ 30060ab034deb3424347f5cc3db86198eac35d2a
third_party/genericCC @ d0153f8e594aa89e93b032143cedbdf58e562f4
third_party/indigo @ 2601c92e4aa9d58d38dc4dfe0ecdbf90c077e64d
third_party/libutp @ b3465b942e2826f2b179aab4a906ce6bb7cf3cf
third_party/pantheon-tunnel @ 6f038ed31259d366f9840f65b82cbe8f464b1b39
third_party/pcc @ 1afc958fa0d66d18b623c091a55fec872b4981e1
  M receiver/src/buffer.h
  M receiver/src/core.cpp
  M sender/src/buffer.h
  M sender/src/core.cpp
third_party/pcc-experimental @ cd43e34e3f5f5613e8acd08fab92c4eb24f974ab
third_party/proto-quic @ 77961f1a82733a86b42f1bc8143ebc978f3cff42
third_party/scream-reproduce @ f099118d1421aa3131bf11ff1964974e1da3bdb2
  M src/ScreamClient
  M src/ScreamServer
third_party/sprout @ 366e35c6178b01e31d4a46ad18c74f9415f19a26
third_party/verus @ d4b447ea74c6c60a261149af2629562939f9a494
  M src/verus.hpp
  M tools/plot.py
third_party/vivace @ 2baf86211435ae071a32f96b7d8c504587f5d7f4
third_party/webrtc @ 3f0cc2a9061a41b6f9dde4735770d143a1fa2851
```



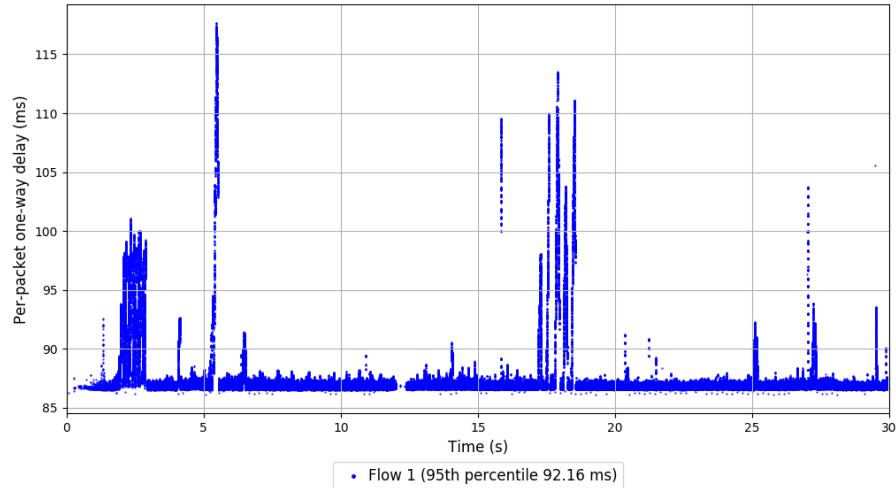
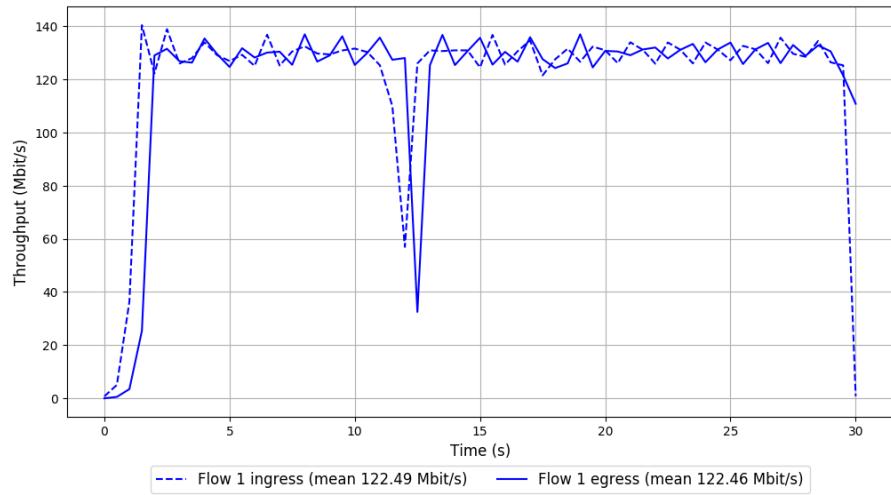
scheme	# runs	mean avg tput (Mbit/s) flow 1	mean 95th-%ile delay (ms) flow 1	mean loss rate (%) flow 1
TCP BBR	10	121.83	94.67	0.61
Copa	10	90.14	96.04	0.60
TCP Cubic	10	107.91	99.02	0.67
FillP	10	487.04	297.74	2.74
FillP-Sheep	0	N/A	N/A	N/A
Indigo	9	163.41	99.02	0.60
LEDBAT	10	11.80	88.66	1.16
PCC-Allegro	10	253.74	144.06	1.05
PCC-Expr	10	175.54	91.94	0.69
QUIC Cubic	9	50.79	86.36	0.83
SCReAM	10	0.22	86.51	0.58
Sprout	10	0.28	87.21	0.55
TaoVA-100x	10	135.97	89.96	0.76
TCP Vegas	10	97.23	96.45	0.47
Verus	10	165.06	180.67	1.04
PCC-Vivace	10	239.00	92.48	0.75
WebRTC media	9	1.91	86.69	0.61

Run 1: Statistics of TCP BBR

```
Start at: 2018-06-29 23:22:14
End at: 2018-06-29 23:22:44
Local clock offset: 0.356 ms
Remote clock offset: -0.023 ms

# Below is generated by plot.py at 2018-06-30 02:41:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 122.46 Mbit/s
95th percentile per-packet one-way delay: 92.161 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 122.46 Mbit/s
95th percentile per-packet one-way delay: 92.161 ms
Loss rate: 0.60%
```

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

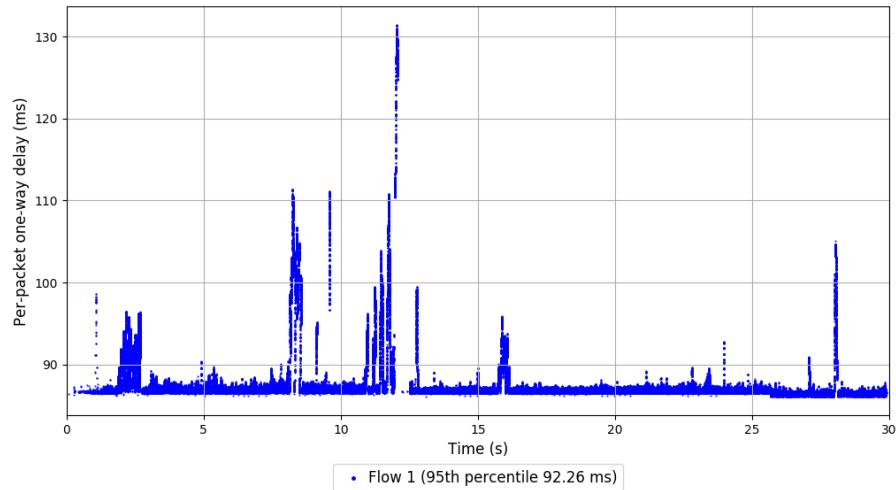
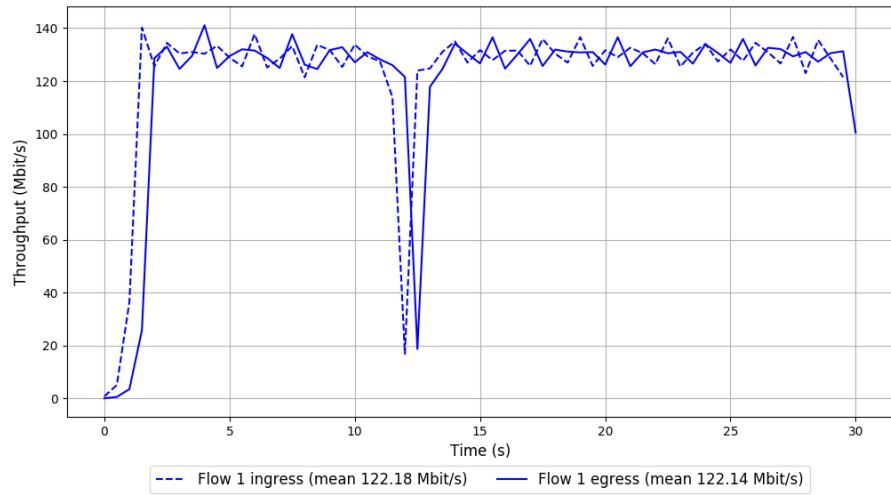


Run 2: Statistics of TCP BBR

```
Start at: 2018-06-29 23:43:20
End at: 2018-06-29 23:43:50
Local clock offset: 0.222 ms
Remote clock offset: -0.042 ms

# Below is generated by plot.py at 2018-06-30 02:41:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 122.14 Mbit/s
95th percentile per-packet one-way delay: 92.263 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 122.14 Mbit/s
95th percentile per-packet one-way delay: 92.263 ms
Loss rate: 0.61%
```

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

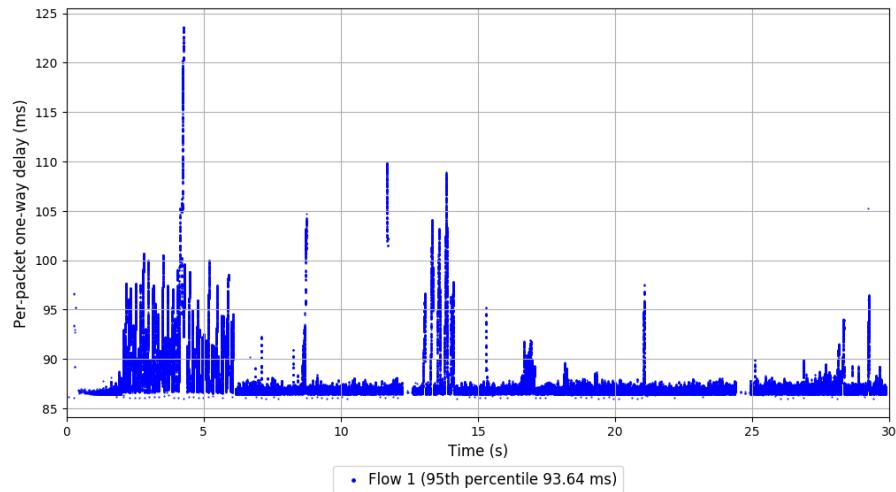
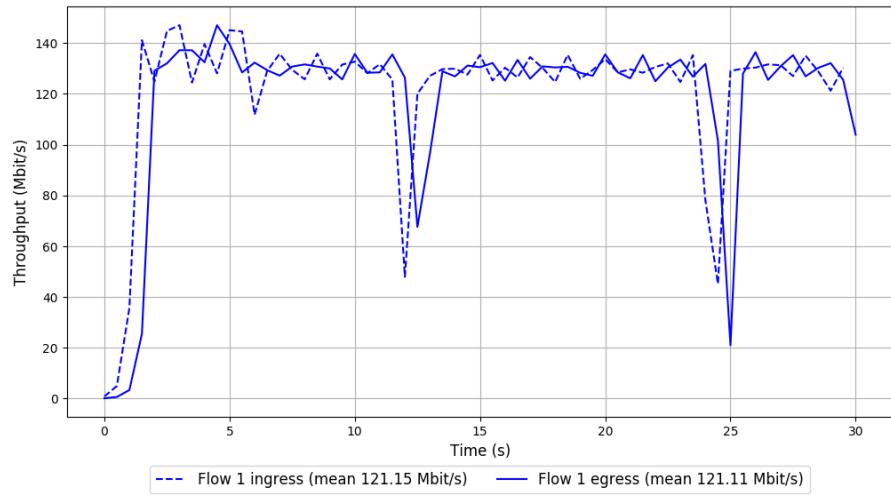


Run 3: Statistics of TCP BBR

```
Start at: 2018-06-30 00:04:18
End at: 2018-06-30 00:04:48
Local clock offset: 0.183 ms
Remote clock offset: 0.059 ms

# Below is generated by plot.py at 2018-06-30 02:41:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 121.11 Mbit/s
95th percentile per-packet one-way delay: 93.641 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 121.11 Mbit/s
95th percentile per-packet one-way delay: 93.641 ms
Loss rate: 0.61%
```

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

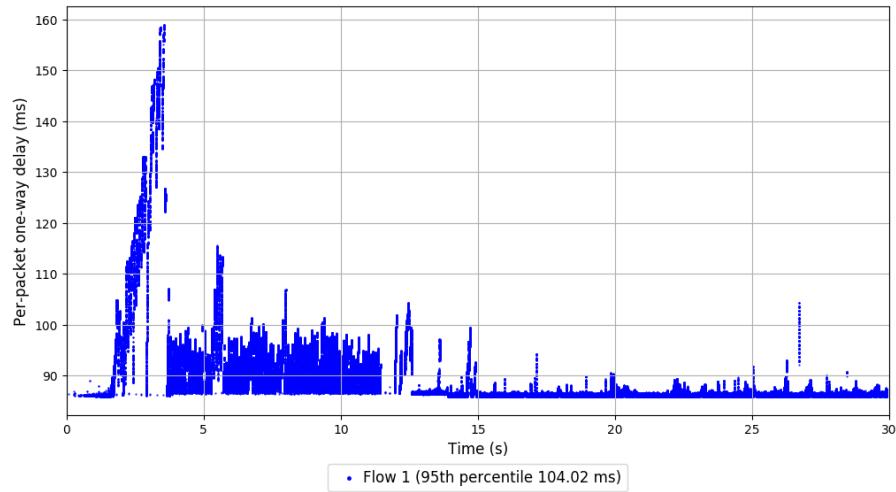
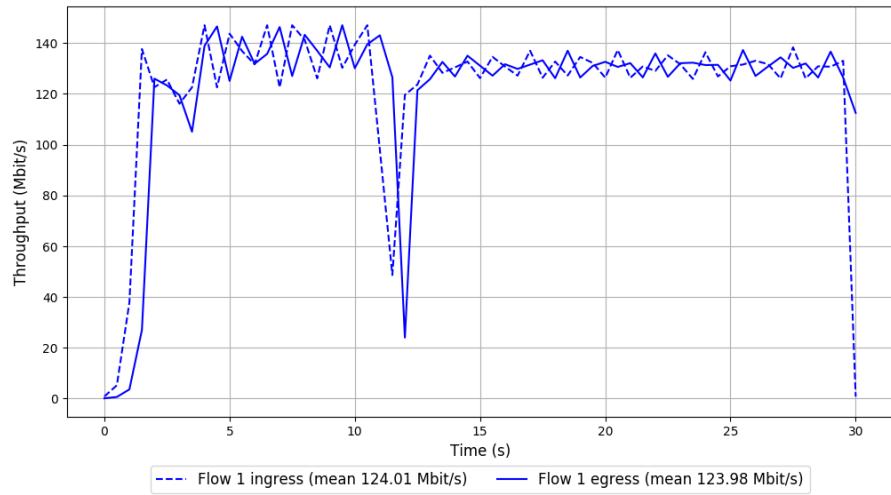


Run 4: Statistics of TCP BBR

```
Start at: 2018-06-30 00:25:32
End at: 2018-06-30 00:26:02
Local clock offset: 0.13 ms
Remote clock offset: 0.163 ms

# Below is generated by plot.py at 2018-06-30 02:41:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 123.98 Mbit/s
95th percentile per-packet one-way delay: 104.022 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 123.98 Mbit/s
95th percentile per-packet one-way delay: 104.022 ms
Loss rate: 0.60%
```

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

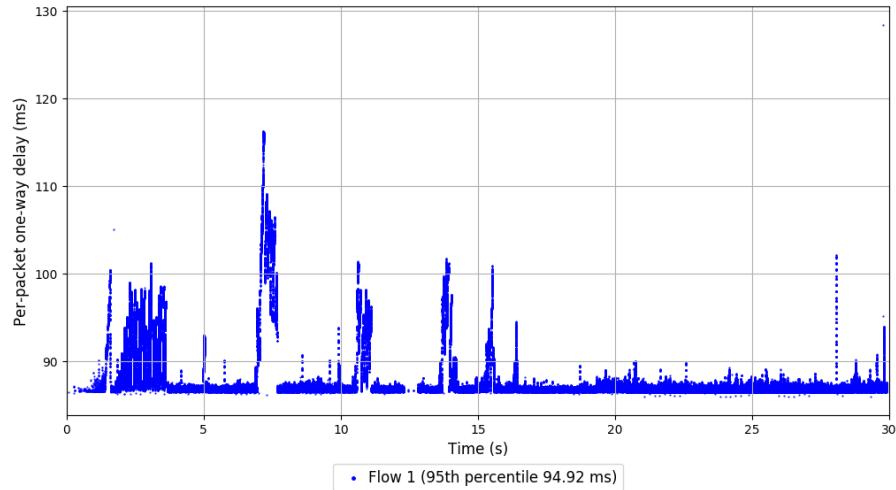
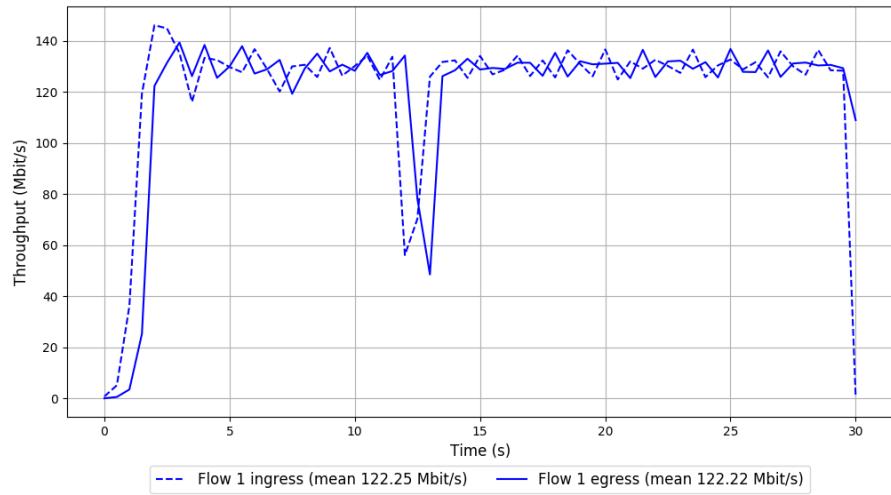


Run 5: Statistics of TCP BBR

```
Start at: 2018-06-30 00:46:35
End at: 2018-06-30 00:47:05
Local clock offset: 0.123 ms
Remote clock offset: 0.216 ms

# Below is generated by plot.py at 2018-06-30 02:41:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 122.22 Mbit/s
95th percentile per-packet one-way delay: 94.920 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 122.22 Mbit/s
95th percentile per-packet one-way delay: 94.920 ms
Loss rate: 0.60%
```

Run 5: Report of TCP BBR — Data Link

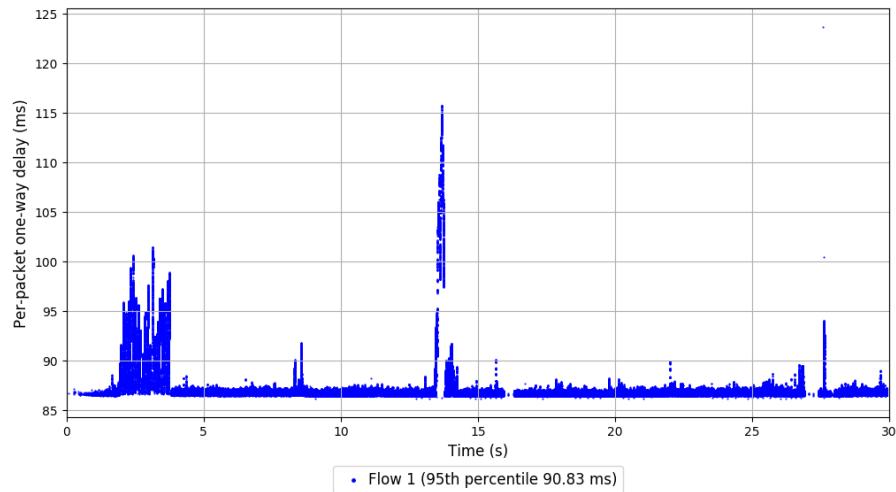
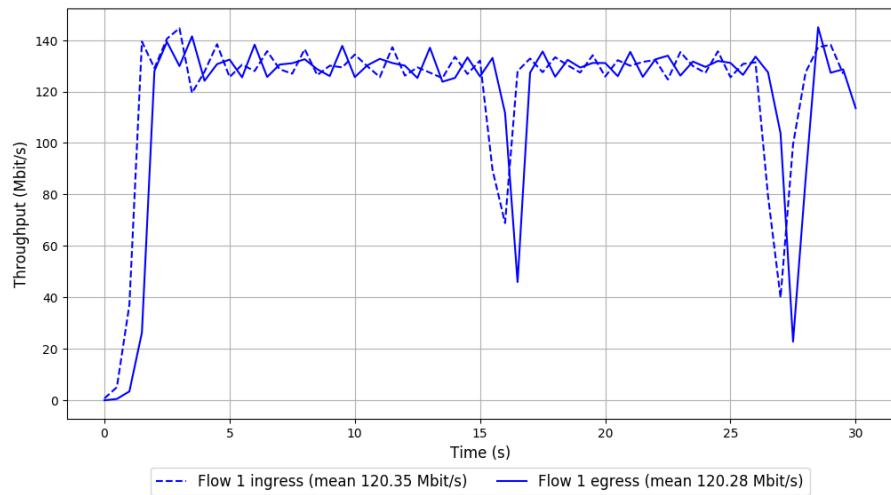


Run 6: Statistics of TCP BBR

```
Start at: 2018-06-30 01:07:37
End at: 2018-06-30 01:08:07
Local clock offset: 0.188 ms
Remote clock offset: 0.329 ms

# Below is generated by plot.py at 2018-06-30 02:41:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 120.28 Mbit/s
95th percentile per-packet one-way delay: 90.834 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 120.28 Mbit/s
95th percentile per-packet one-way delay: 90.834 ms
Loss rate: 0.64%
```

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

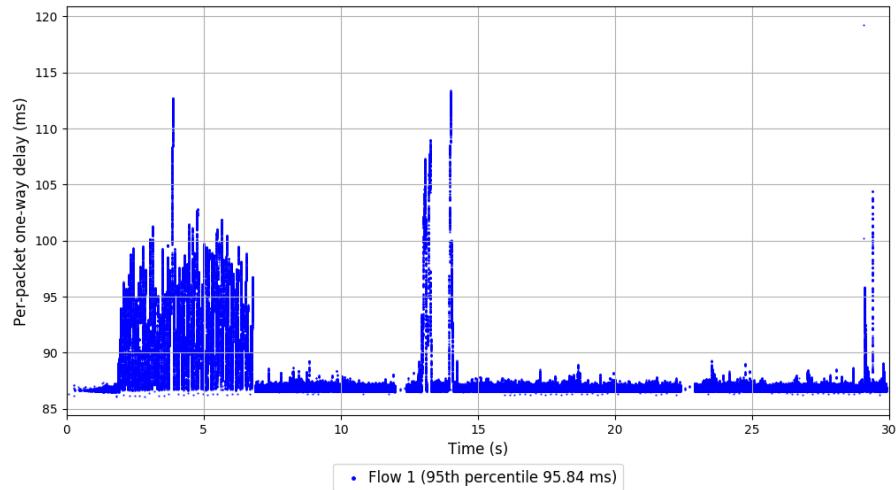
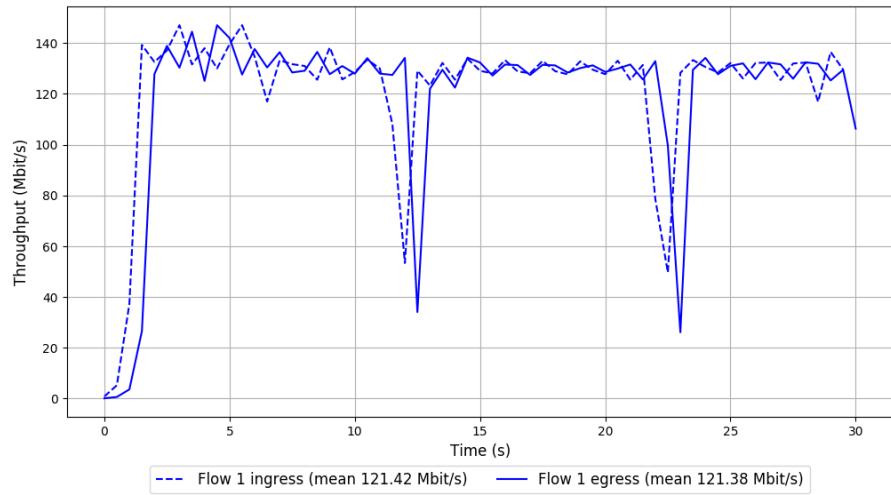


Run 7: Statistics of TCP BBR

```
Start at: 2018-06-30 01:28:42
End at: 2018-06-30 01:29:12
Local clock offset: 0.314 ms
Remote clock offset: 0.115 ms

# Below is generated by plot.py at 2018-06-30 02:41:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 121.38 Mbit/s
95th percentile per-packet one-way delay: 95.838 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 121.38 Mbit/s
95th percentile per-packet one-way delay: 95.838 ms
Loss rate: 0.61%
```

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

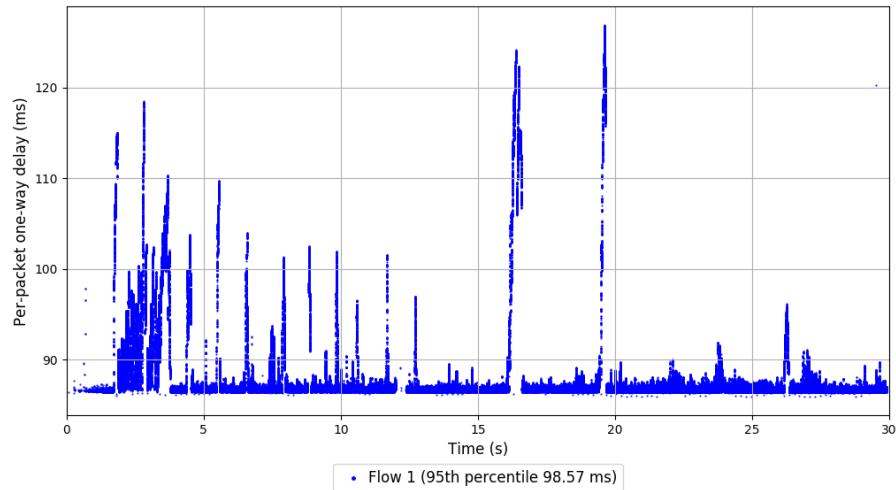
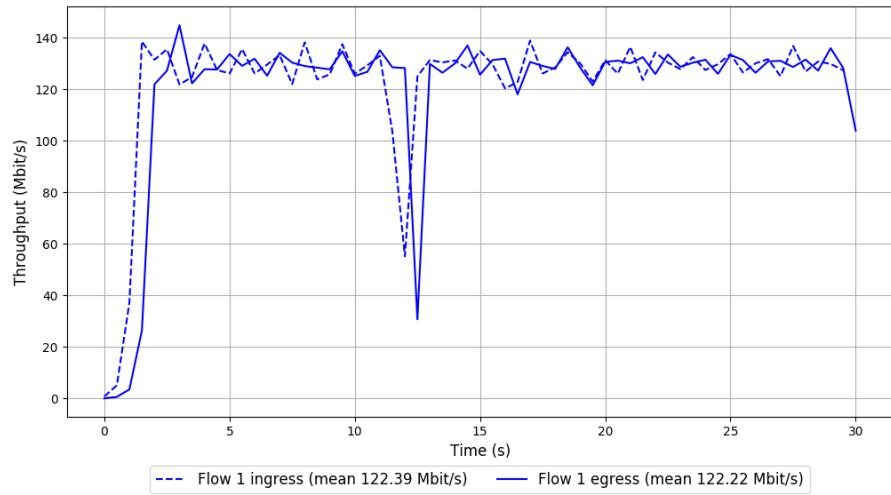


Run 8: Statistics of TCP BBR

```
Start at: 2018-06-30 01:49:56
End at: 2018-06-30 01:50:26
Local clock offset: 0.191 ms
Remote clock offset: -0.002 ms

# Below is generated by plot.py at 2018-06-30 02:41:50
# Datalink statistics
-- Total of 1 flow:
Average throughput: 122.22 Mbit/s
95th percentile per-packet one-way delay: 98.573 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 122.22 Mbit/s
95th percentile per-packet one-way delay: 98.573 ms
Loss rate: 0.61%
```

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

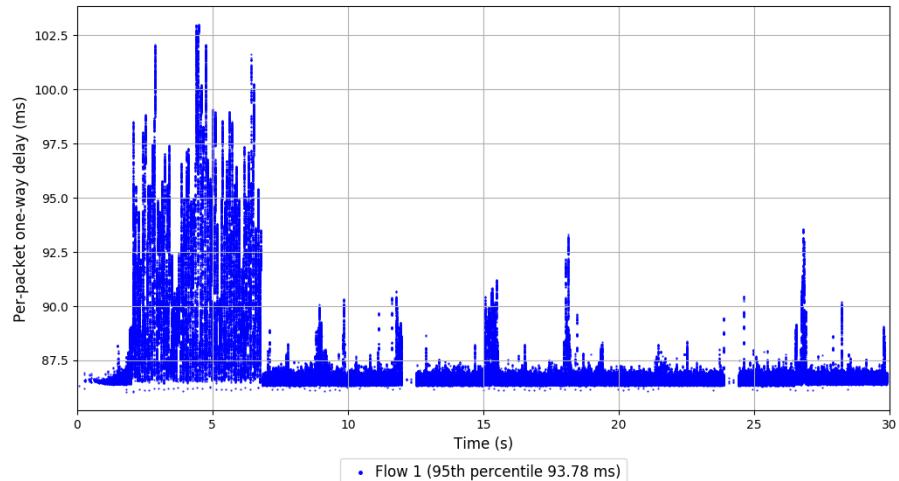
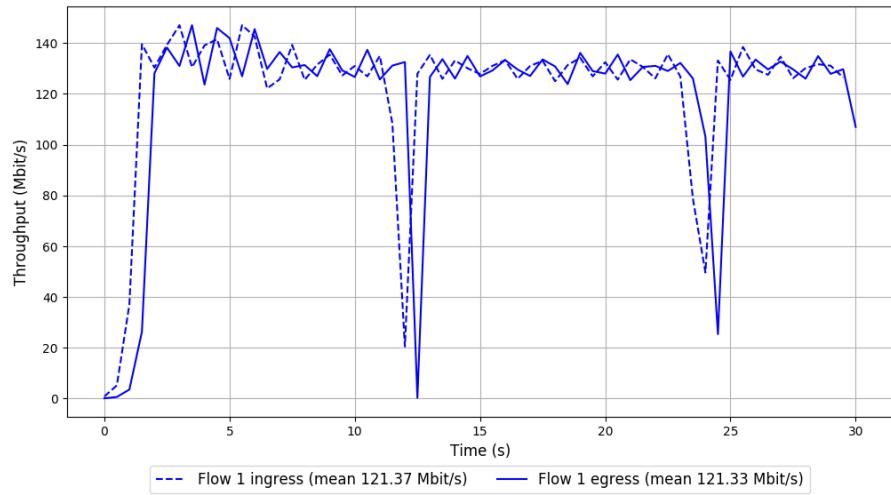


Run 9: Statistics of TCP BBR

```
Start at: 2018-06-30 02:10:49
End at: 2018-06-30 02:11:19
Local clock offset: 0.172 ms
Remote clock offset: -0.082 ms

# Below is generated by plot.py at 2018-06-30 02:43:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 121.33 Mbit/s
95th percentile per-packet one-way delay: 93.784 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 121.33 Mbit/s
95th percentile per-packet one-way delay: 93.784 ms
Loss rate: 0.61%
```

Run 9: Report of TCP BBR — Data Link

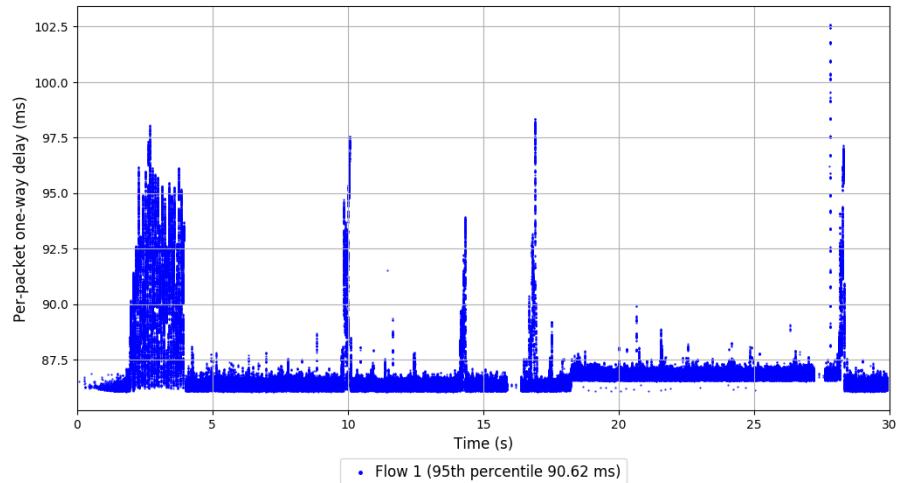
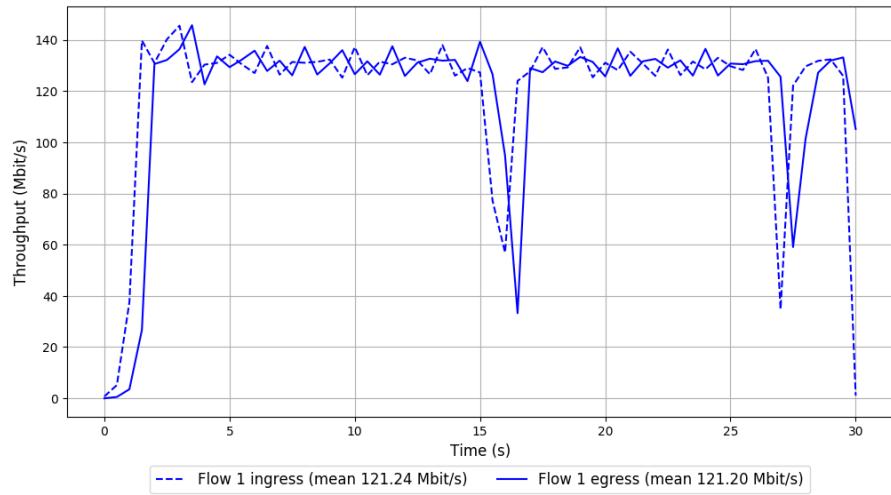


Run 10: Statistics of TCP BBR

```
Start at: 2018-06-30 02:31:38
End at: 2018-06-30 02:32:08
Local clock offset: 0.39 ms
Remote clock offset: -0.044 ms

# Below is generated by plot.py at 2018-06-30 02:43:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 121.20 Mbit/s
95th percentile per-packet one-way delay: 90.623 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 121.20 Mbit/s
95th percentile per-packet one-way delay: 90.623 ms
Loss rate: 0.61%
```

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

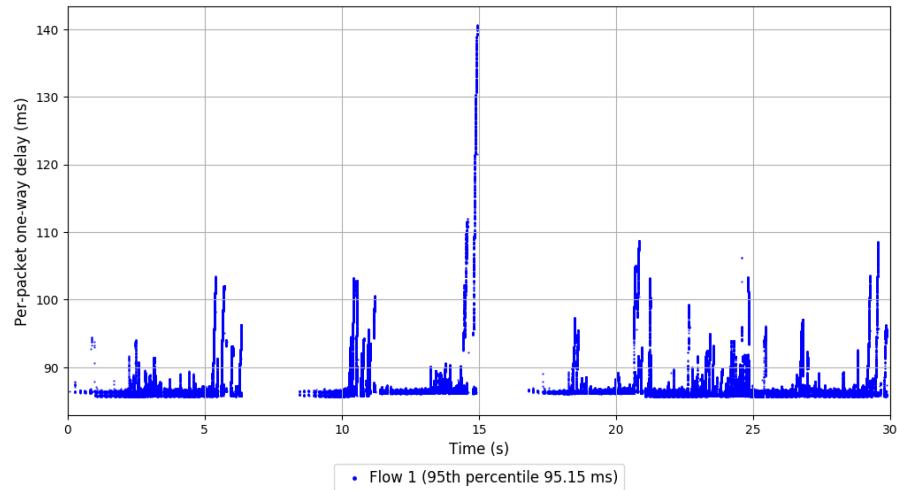
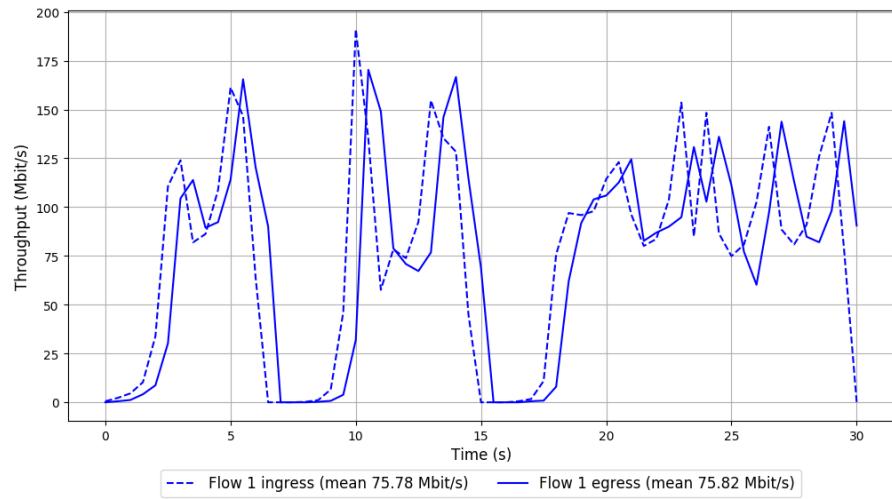


Run 1: Statistics of Copa

```
Start at: 2018-06-29 23:11:05
End at: 2018-06-29 23:11:35
Local clock offset: 0.047 ms
Remote clock offset: -0.03 ms

# Below is generated by plot.py at 2018-06-30 02:44:20
# Datalink statistics
-- Total of 1 flow:
Average throughput: 75.82 Mbit/s
95th percentile per-packet one-way delay: 95.153 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 75.82 Mbit/s
95th percentile per-packet one-way delay: 95.153 ms
Loss rate: 0.65%
```

### Run 1: Report of Copa — Data Link

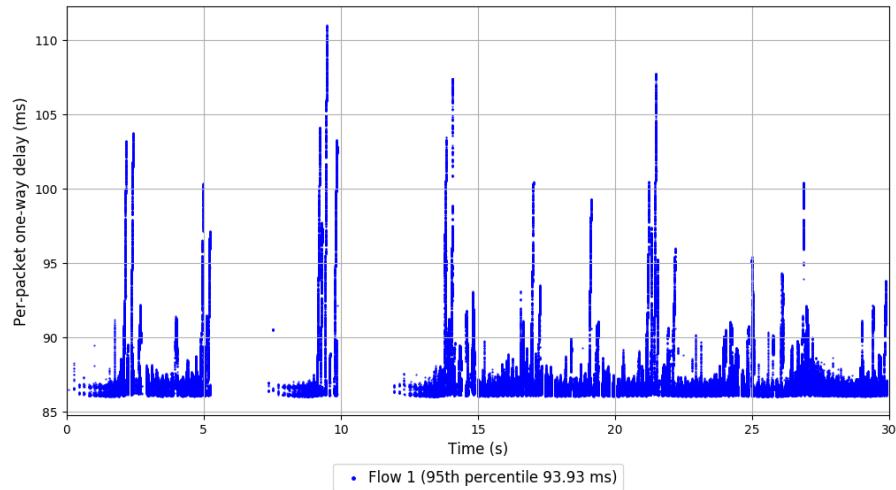
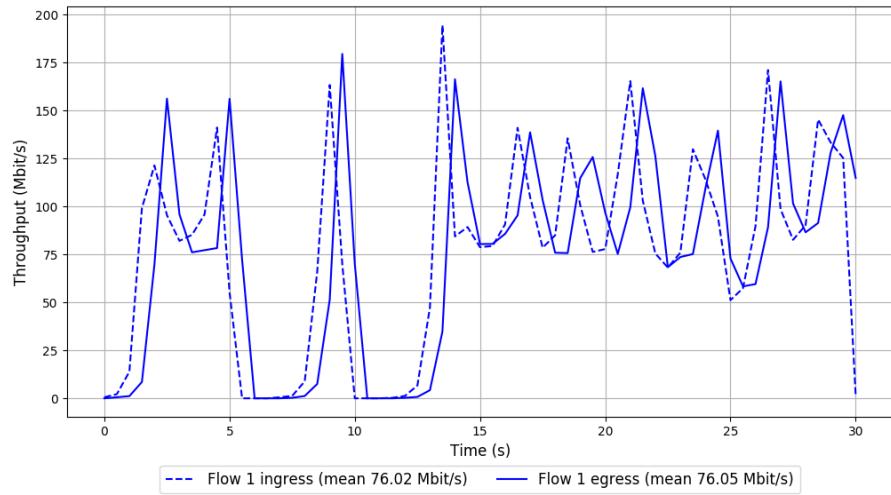


Run 2: Statistics of Copa

```
Start at: 2018-06-29 23:32:05
End at: 2018-06-29 23:32:35
Local clock offset: 0.298 ms
Remote clock offset: -0.059 ms

# Below is generated by plot.py at 2018-06-30 02:44:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 76.05 Mbit/s
95th percentile per-packet one-way delay: 93.928 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 76.05 Mbit/s
95th percentile per-packet one-way delay: 93.928 ms
Loss rate: 0.57%
```

## Run 2: Report of Copa — Data Link

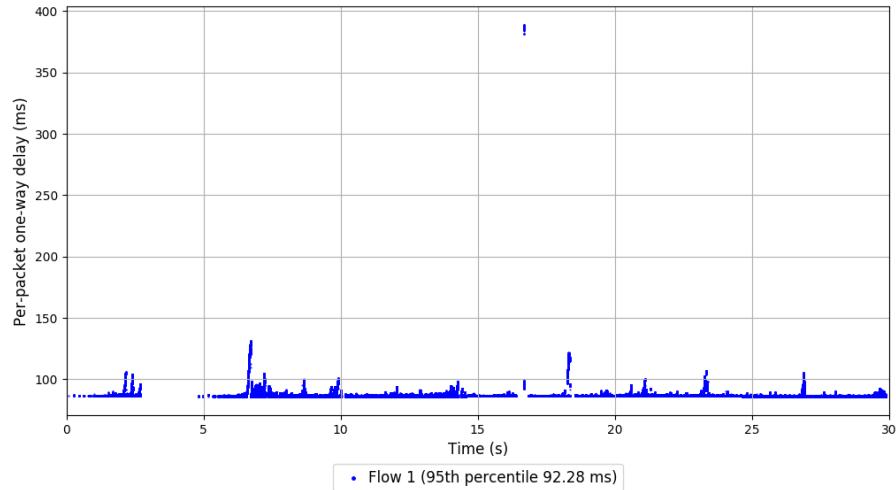
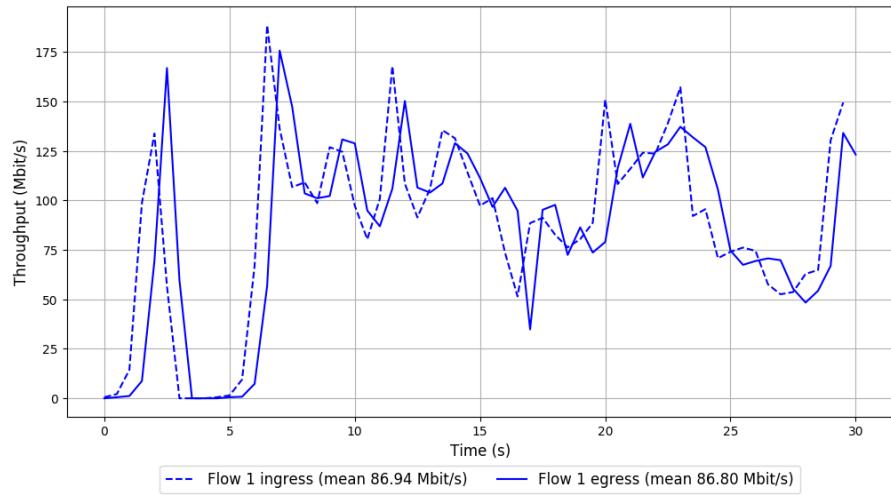


Run 3: Statistics of Copa

```
Start at: 2018-06-29 23:53:21
End at: 2018-06-29 23:53:51
Local clock offset: 0.012 ms
Remote clock offset: -0.037 ms

# Below is generated by plot.py at 2018-06-30 02:44:37
# Datalink statistics
-- Total of 1 flow:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 92.279 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 86.80 Mbit/s
95th percentile per-packet one-way delay: 92.279 ms
Loss rate: 0.74%
```

### Run 3: Report of Copa — Data Link

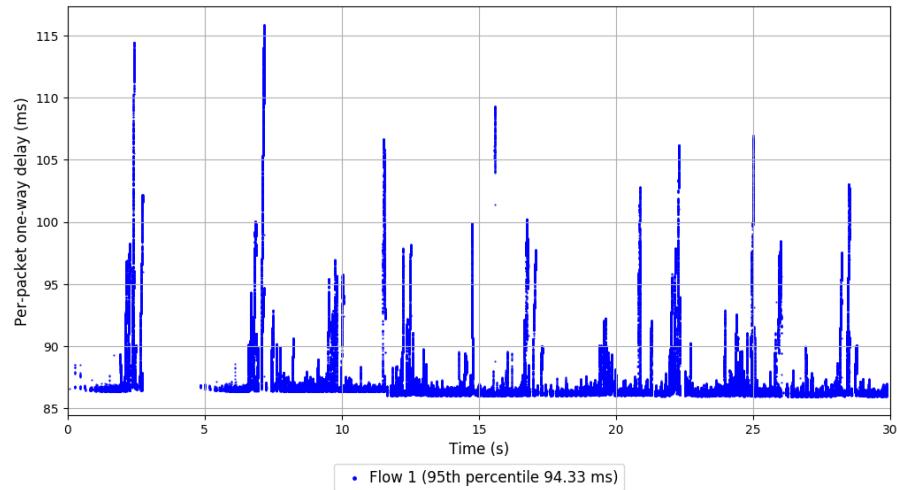
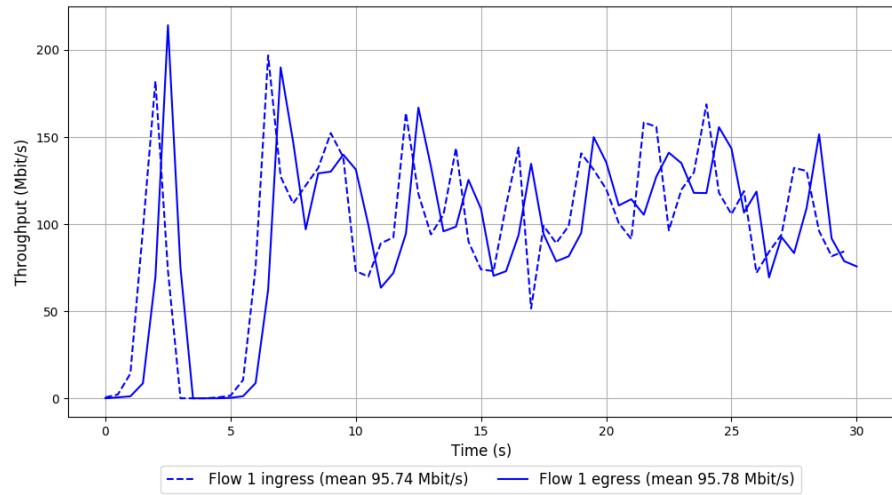


Run 4: Statistics of Copa

```
Start at: 2018-06-30 00:14:14
End at: 2018-06-30 00:14:44
Local clock offset: 0.231 ms
Remote clock offset: 0.154 ms

# Below is generated by plot.py at 2018-06-30 02:44:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 94.329 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 95.78 Mbit/s
95th percentile per-packet one-way delay: 94.329 ms
Loss rate: 0.53%
```

## Run 4: Report of Copa — Data Link

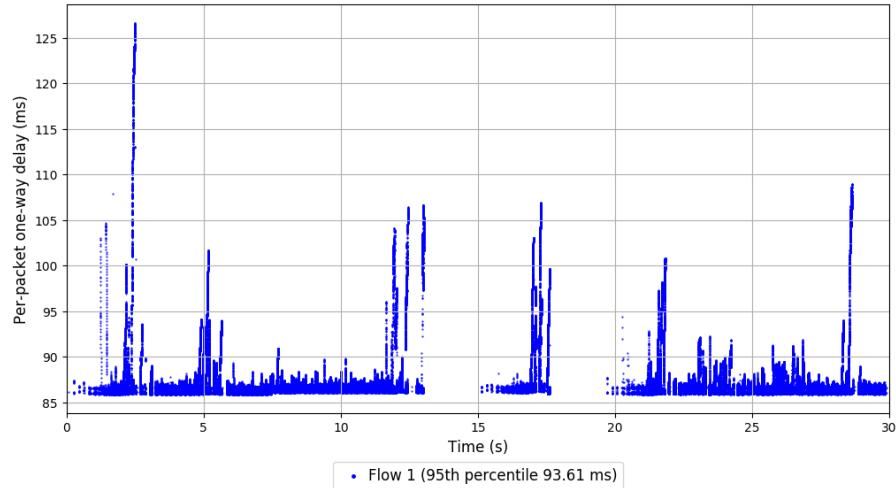
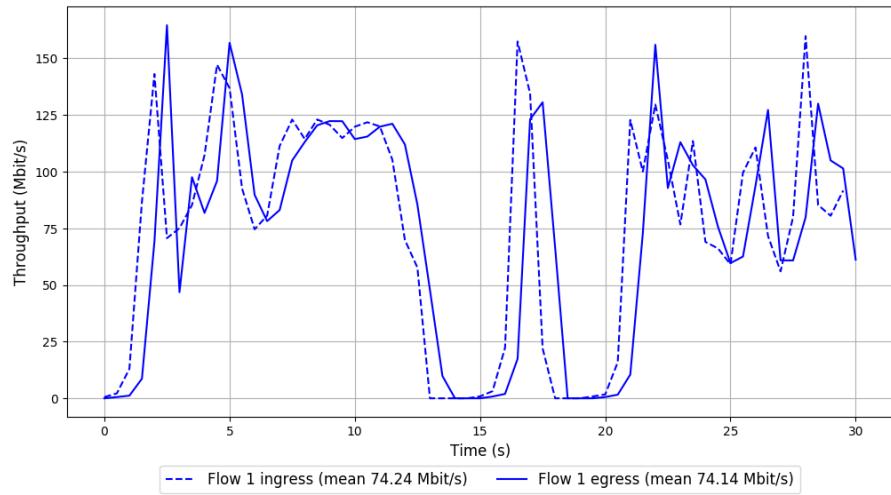


Run 5: Statistics of Copa

```
Start at: 2018-06-30 00:35:28
End at: 2018-06-30 00:35:58
Local clock offset: 0.169 ms
Remote clock offset: 0.199 ms

# Below is generated by plot.py at 2018-06-30 02:44:49
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.14 Mbit/s
95th percentile per-packet one-way delay: 93.612 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 74.14 Mbit/s
95th percentile per-packet one-way delay: 93.612 ms
Loss rate: 0.70%
```

### Run 5: Report of Copa — Data Link

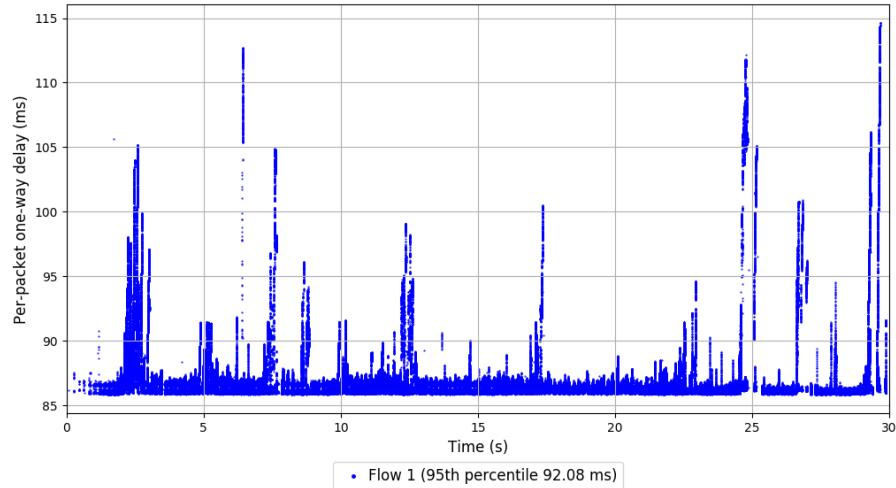
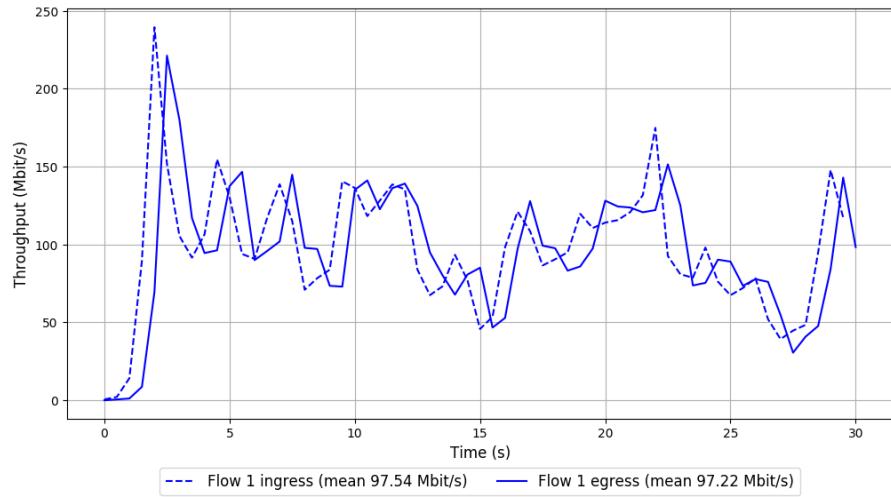


Run 6: Statistics of Copa

```
Start at: 2018-06-30 00:56:30
End at: 2018-06-30 00:57:00
Local clock offset: 0.067 ms
Remote clock offset: 0.192 ms

# Below is generated by plot.py at 2018-06-30 02:44:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 92.084 ms
Loss rate: 0.84%
-- Flow 1:
Average throughput: 97.22 Mbit/s
95th percentile per-packet one-way delay: 92.084 ms
Loss rate: 0.84%
```

### Run 6: Report of Copa — Data Link

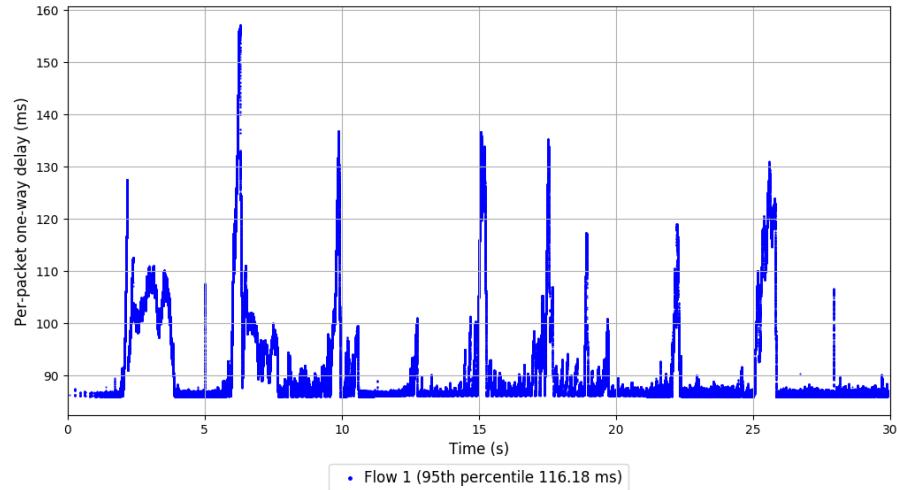
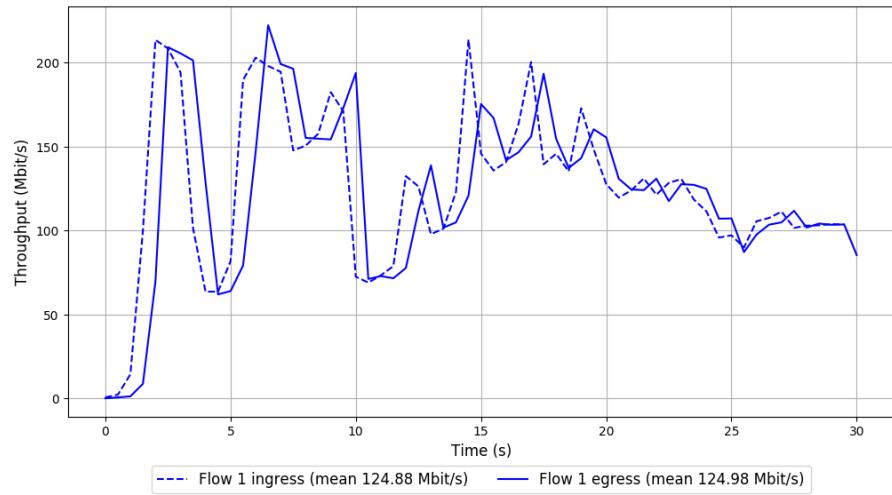


Run 7: Statistics of Copa

```
Start at: 2018-06-30 01:17:25
End at: 2018-06-30 01:17:55
Local clock offset: 0.207 ms
Remote clock offset: 0.149 ms

# Below is generated by plot.py at 2018-06-30 02:48:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 124.98 Mbit/s
95th percentile per-packet one-way delay: 116.177 ms
Loss rate: 0.49%
-- Flow 1:
Average throughput: 124.98 Mbit/s
95th percentile per-packet one-way delay: 116.177 ms
Loss rate: 0.49%
```

### Run 7: Report of Copa — Data Link

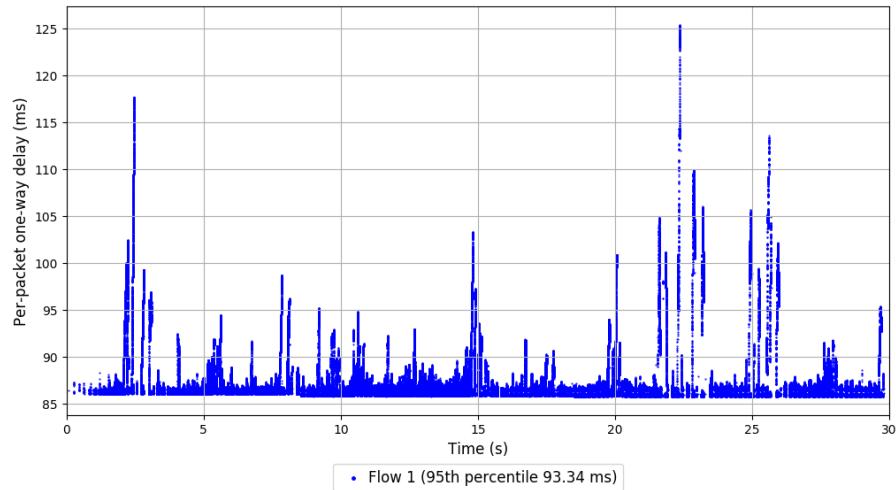
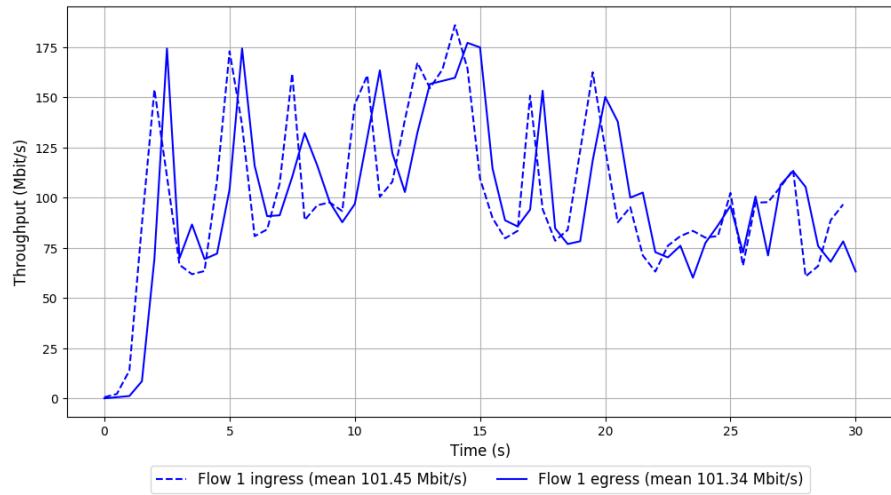


Run 8: Statistics of Copa

```
Start at: 2018-06-30 01:38:37
End at: 2018-06-30 01:39:07
Local clock offset: 0.2 ms
Remote clock offset: 0.052 ms

# Below is generated by plot.py at 2018-06-30 02:48:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 101.34 Mbit/s
95th percentile per-packet one-way delay: 93.340 ms
Loss rate: 0.75%
-- Flow 1:
Average throughput: 101.34 Mbit/s
95th percentile per-packet one-way delay: 93.340 ms
Loss rate: 0.75%
```

### Run 8: Report of Copa — Data Link

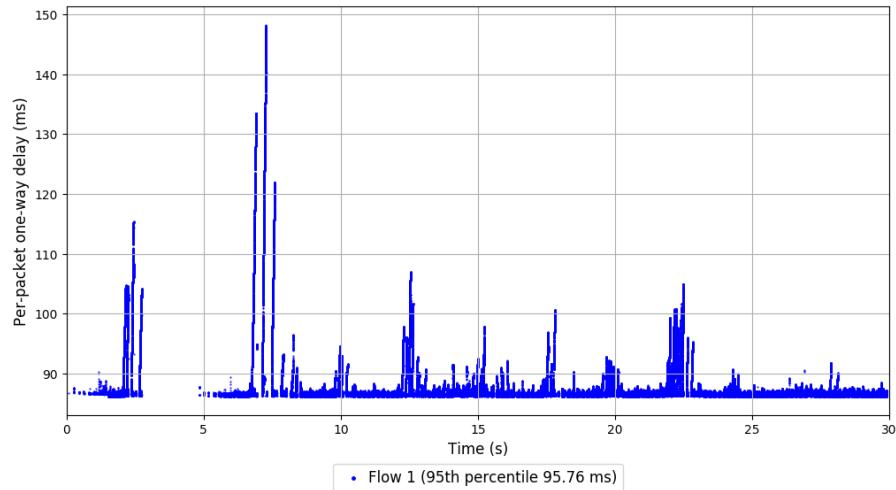
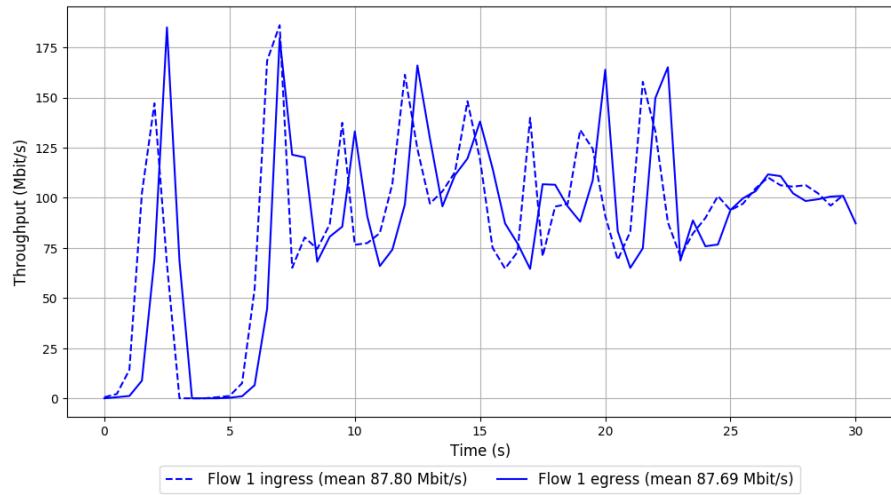


Run 9: Statistics of Copa

```
Start at: 2018-06-30 01:59:34
End at: 2018-06-30 02:00:04
Local clock offset: 0.403 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-06-30 02:48:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.69 Mbit/s
95th percentile per-packet one-way delay: 95.764 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 87.69 Mbit/s
95th percentile per-packet one-way delay: 95.764 ms
Loss rate: 0.70%
```

## Run 9: Report of Copa — Data Link

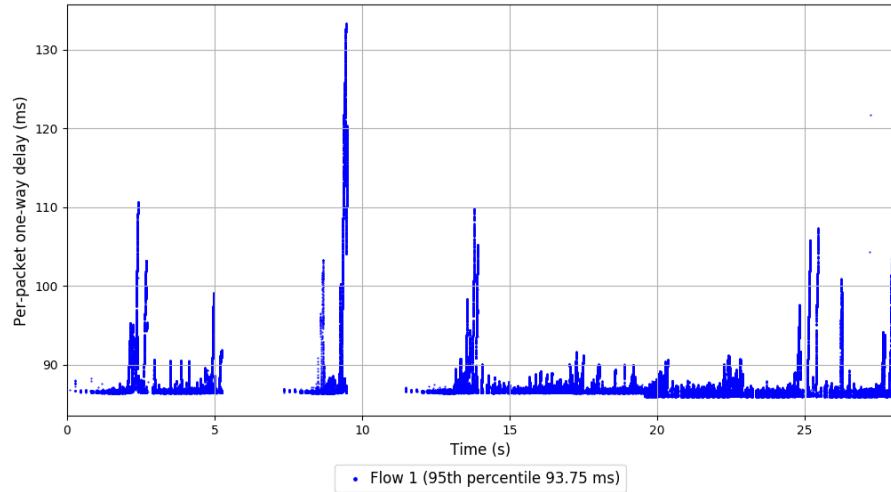
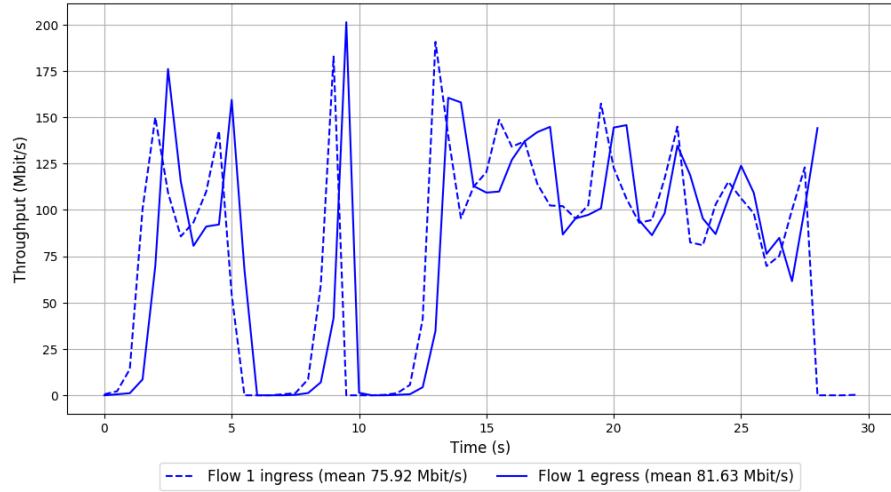


Run 10: Statistics of Copa

```
Start at: 2018-06-30 02:20:46
End at: 2018-06-30 02:21:16
Local clock offset: 0.283 ms
Remote clock offset: -0.069 ms

# Below is generated by plot.py at 2018-06-30 02:48:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 81.63 Mbit/s
95th percentile per-packet one-way delay: 93.746 ms
Loss rate: 0.01%
-- Flow 1:
Average throughput: 81.63 Mbit/s
95th percentile per-packet one-way delay: 93.746 ms
Loss rate: 0.01%
```

## Run 10: Report of Copa — Data Link

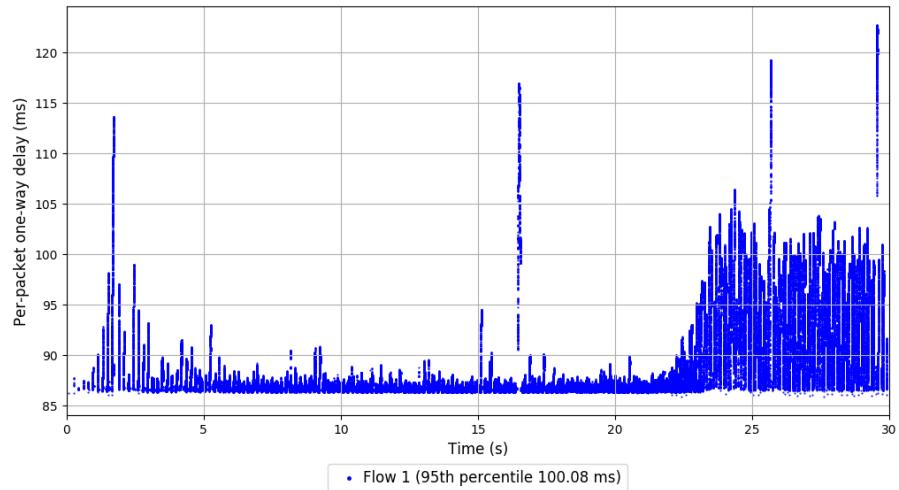
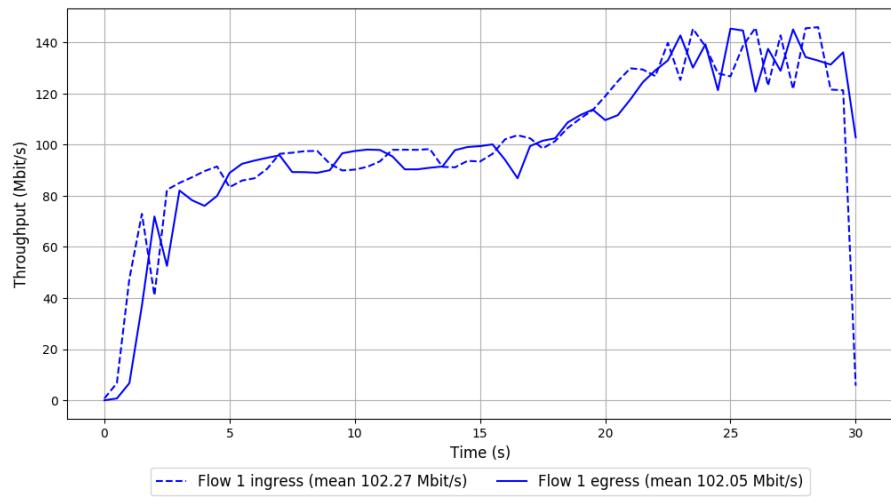


```
Run 1: Statistics of TCP Cubic
```

```
Start at: 2018-06-29 23:17:00
End at: 2018-06-29 23:17:30
Local clock offset: 0.174 ms
Remote clock offset: -0.034 ms

# Below is generated by plot.py at 2018-06-30 02:48:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 102.05 Mbit/s
95th percentile per-packet one-way delay: 100.084 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 102.05 Mbit/s
95th percentile per-packet one-way delay: 100.084 ms
Loss rate: 0.79%
```

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

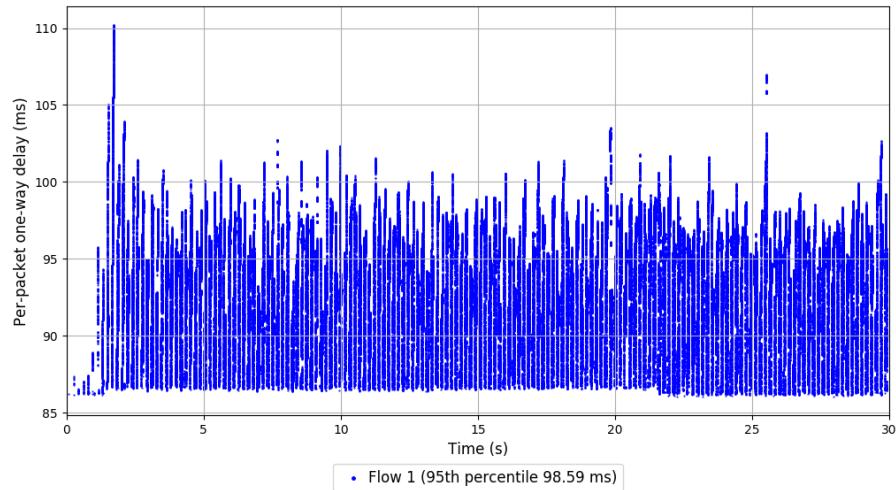
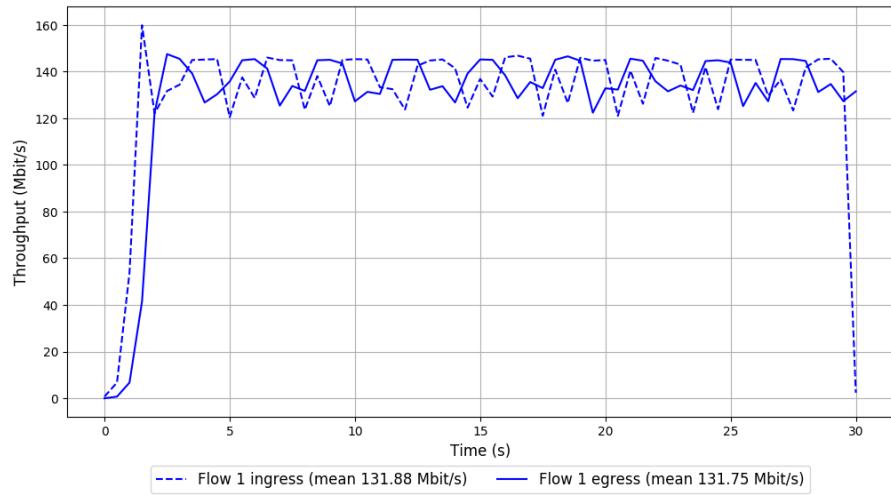


Run 2: Statistics of TCP Cubic

```
Start at: 2018-06-29 23:38:04
End at: 2018-06-29 23:38:34
Local clock offset: 0.177 ms
Remote clock offset: 0.0 ms

# Below is generated by plot.py at 2018-06-30 02:48:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 131.75 Mbit/s
95th percentile per-packet one-way delay: 98.594 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 131.75 Mbit/s
95th percentile per-packet one-way delay: 98.594 ms
Loss rate: 0.67%
```

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

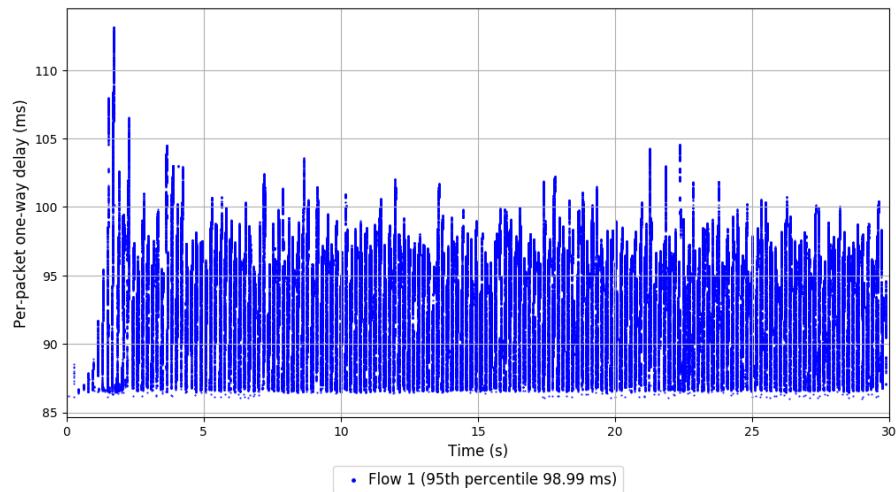
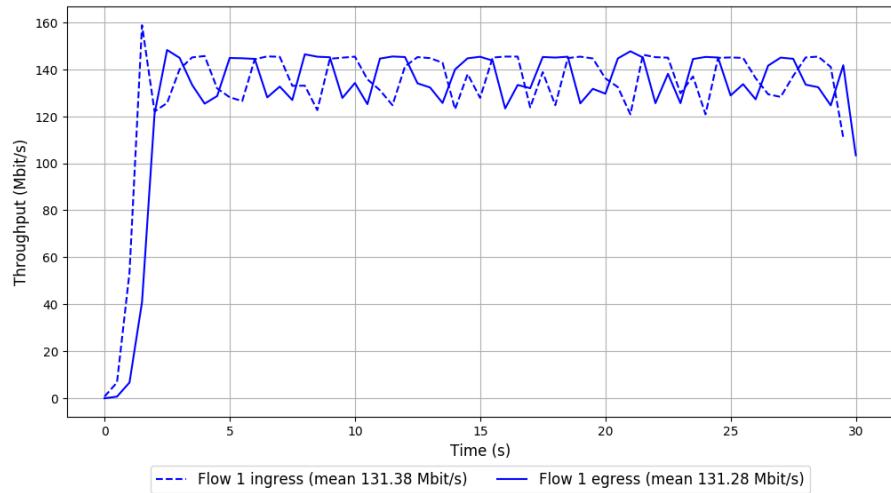


```
Run 3: Statistics of TCP Cubic
```

```
Start at: 2018-06-29 23:59:19
End at: 2018-06-29 23:59:49
Local clock offset: 0.237 ms
Remote clock offset: 0.053 ms

# Below is generated by plot.py at 2018-06-30 02:48:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 131.28 Mbit/s
95th percentile per-packet one-way delay: 98.992 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 131.28 Mbit/s
95th percentile per-packet one-way delay: 98.992 ms
Loss rate: 0.66%
```

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

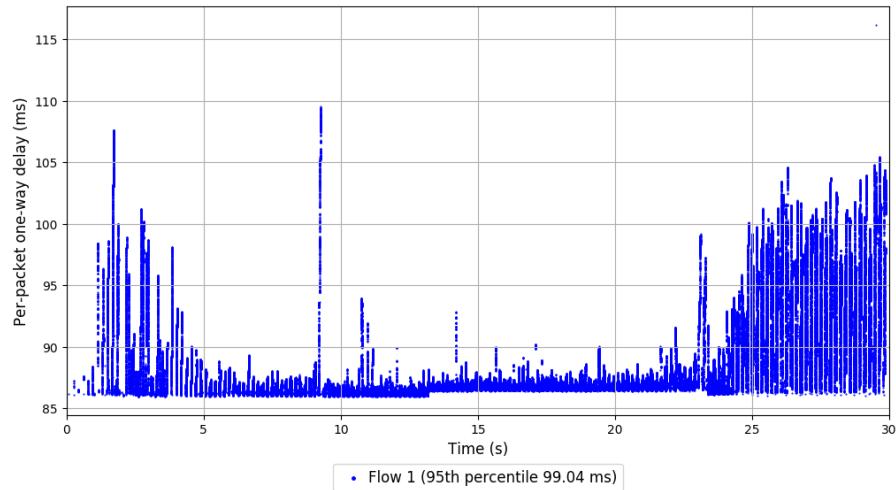
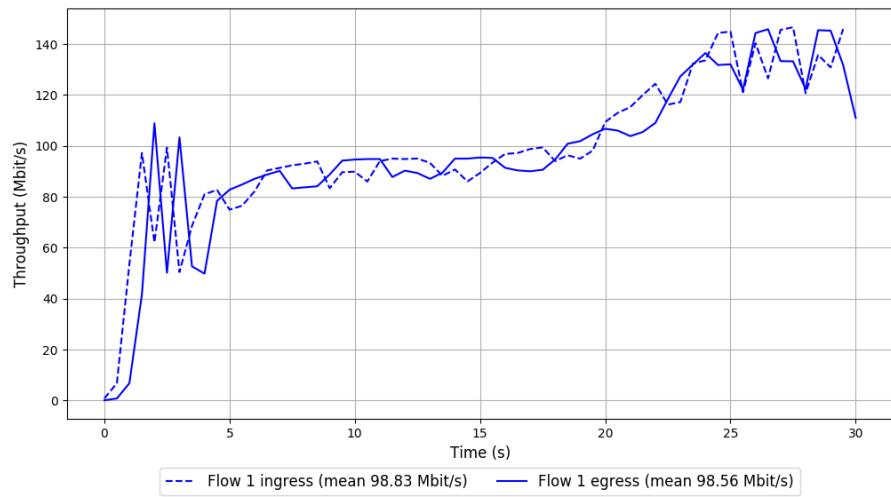


Run 4: Statistics of TCP Cubic

```
Start at: 2018-06-30 00:20:13
End at: 2018-06-30 00:20:43
Local clock offset: 0.233 ms
Remote clock offset: 0.143 ms

# Below is generated by plot.py at 2018-06-30 02:48:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 98.56 Mbit/s
95th percentile per-packet one-way delay: 99.041 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 98.56 Mbit/s
95th percentile per-packet one-way delay: 99.041 ms
Loss rate: 0.82%
```

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

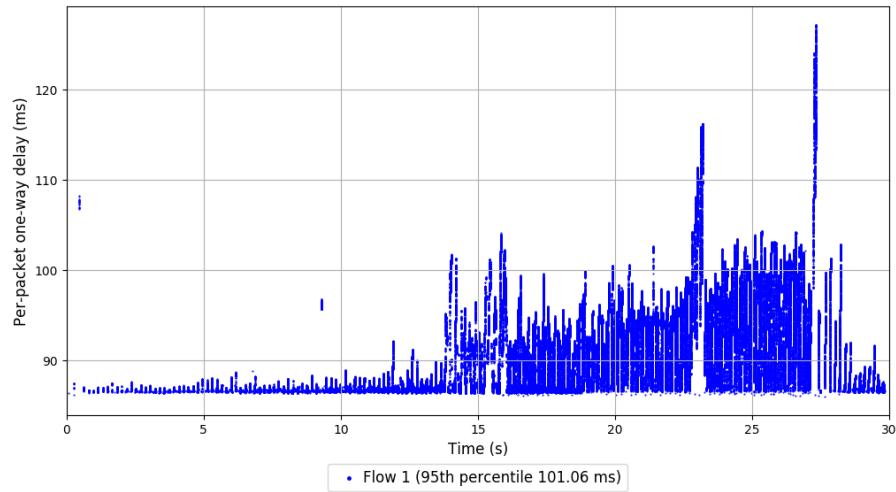
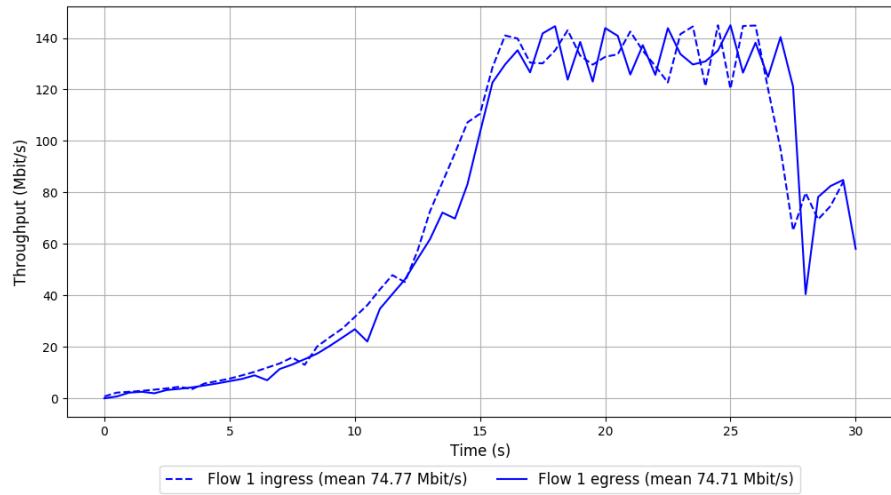


Run 5: Statistics of TCP Cubic

```
Start at: 2018-06-30 00:41:29
End at: 2018-06-30 00:41:59
Local clock offset: 0.149 ms
Remote clock offset: 0.27 ms

# Below is generated by plot.py at 2018-06-30 02:48:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 74.71 Mbit/s
95th percentile per-packet one-way delay: 101.063 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 74.71 Mbit/s
95th percentile per-packet one-way delay: 101.063 ms
Loss rate: 0.66%
```

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

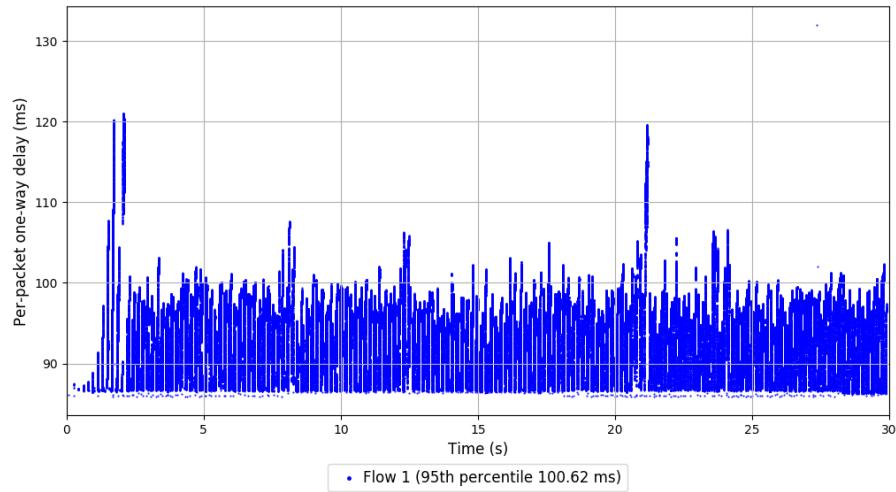
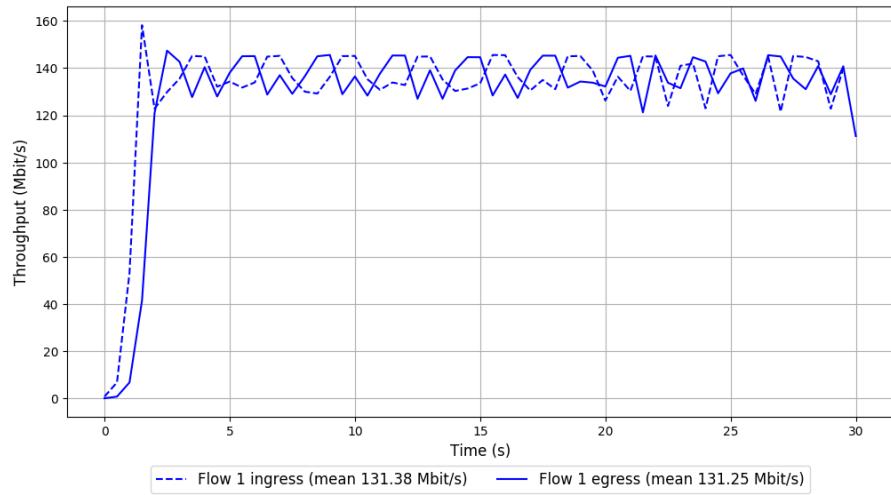


Run 6: Statistics of TCP Cubic

```
Start at: 2018-06-30 01:02:28
End at: 2018-06-30 01:02:58
Local clock offset: 0.112 ms
Remote clock offset: 0.273 ms

# Below is generated by plot.py at 2018-06-30 02:48:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 131.25 Mbit/s
95th percentile per-packet one-way delay: 100.617 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 131.25 Mbit/s
95th percentile per-packet one-way delay: 100.617 ms
Loss rate: 0.67%
```

Run 6: Report of TCP Cubic — Data Link

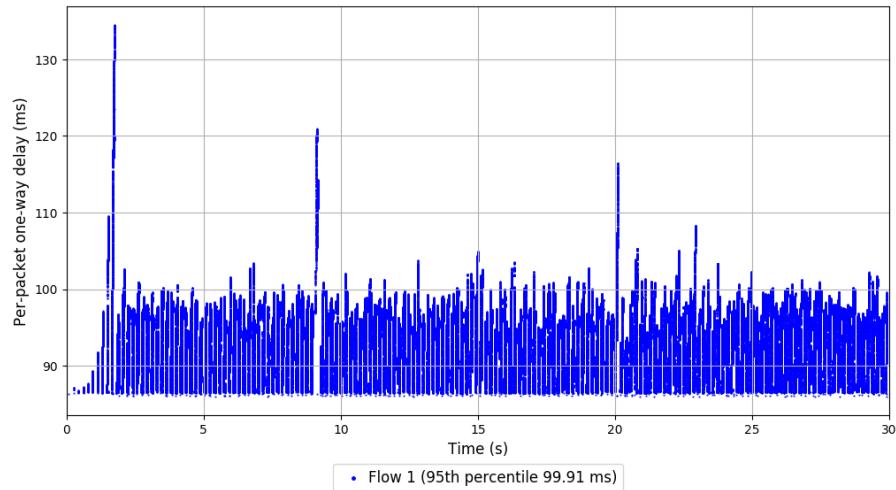
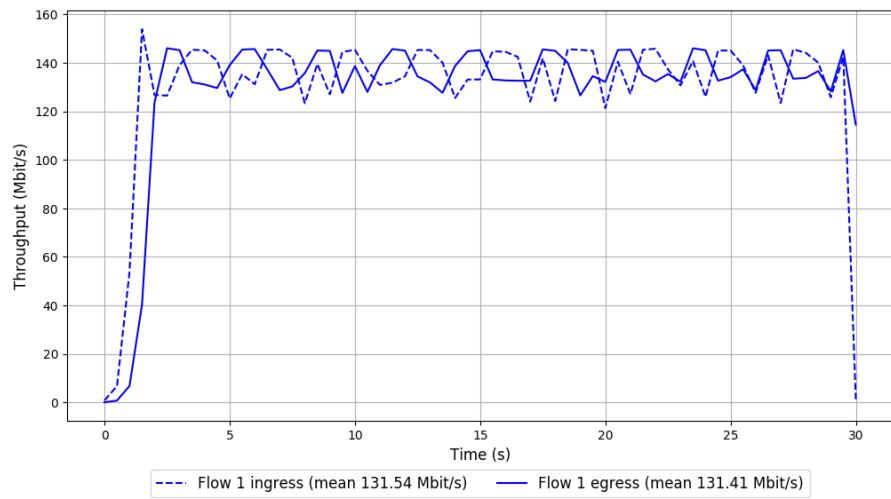


Run 7: Statistics of TCP Cubic

```
Start at: 2018-06-30 01:23:27
End at: 2018-06-30 01:23:57
Local clock offset: 0.093 ms
Remote clock offset: 0.139 ms

# Below is generated by plot.py at 2018-06-30 02:49:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 131.41 Mbit/s
95th percentile per-packet one-way delay: 99.911 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 131.41 Mbit/s
95th percentile per-packet one-way delay: 99.911 ms
Loss rate: 0.68%
```

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

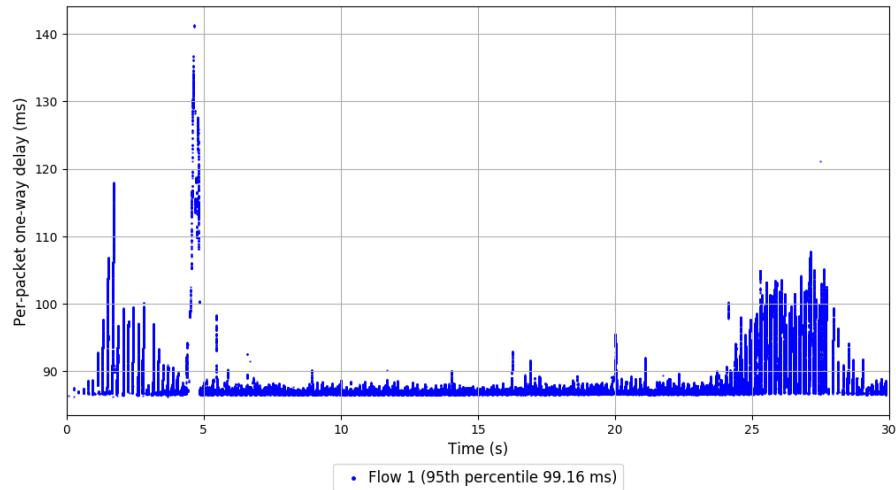
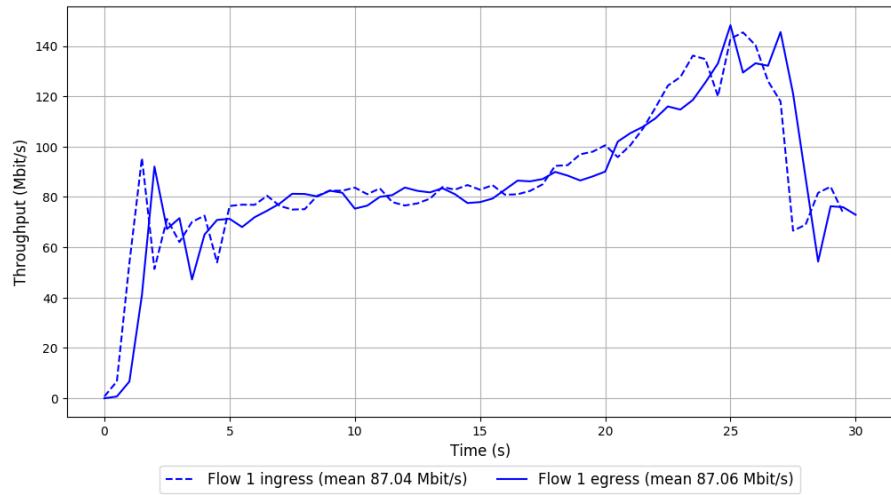


Run 8: Statistics of TCP Cubic

```
Start at: 2018-06-30 01:44:41
End at: 2018-06-30 01:45:11
Local clock offset: 0.315 ms
Remote clock offset: 0.086 ms

# Below is generated by plot.py at 2018-06-30 02:49:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 87.06 Mbit/s
95th percentile per-packet one-way delay: 99.158 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 87.06 Mbit/s
95th percentile per-packet one-way delay: 99.158 ms
Loss rate: 0.55%
```

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

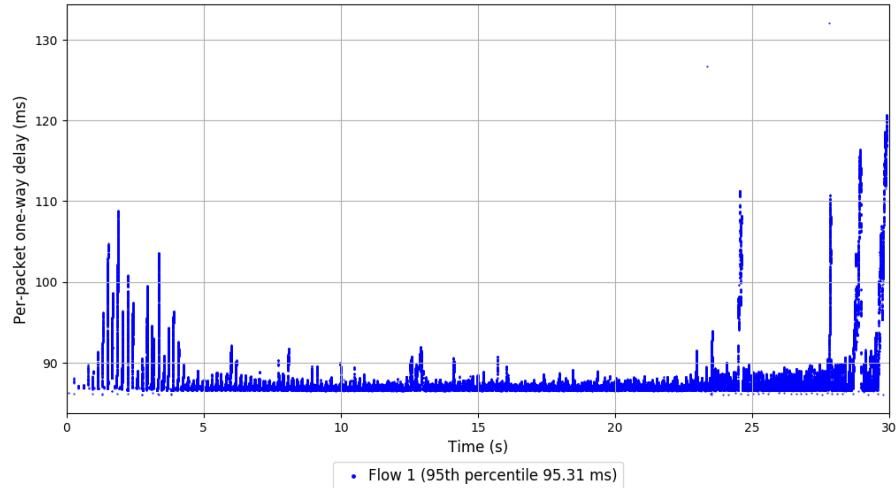
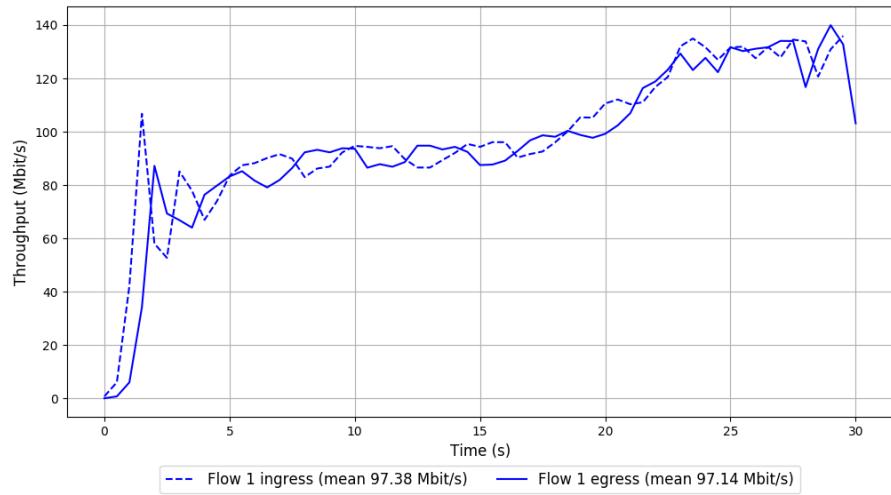


Run 9: Statistics of TCP Cubic

```
Start at: 2018-06-30 02:05:28
End at: 2018-06-30 02:05:58
Local clock offset: 0.298 ms
Remote clock offset: -0.134 ms

# Below is generated by plot.py at 2018-06-30 02:49:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 95.306 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 97.14 Mbit/s
95th percentile per-packet one-way delay: 95.306 ms
Loss rate: 0.82%
```

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

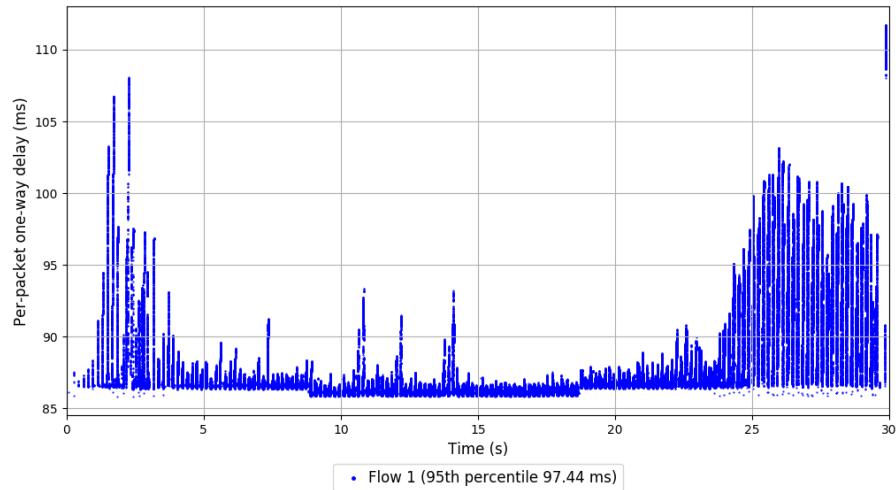
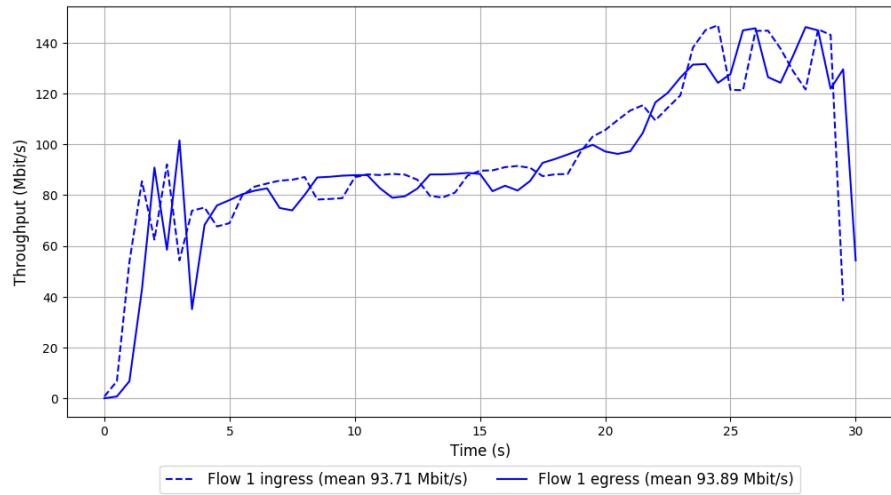


```
Run 10: Statistics of TCP Cubic
```

```
Start at: 2018-06-30 02:26:37
End at: 2018-06-30 02:27:07
Local clock offset: 0.129 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2018-06-30 02:49:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 93.89 Mbit/s
95th percentile per-packet one-way delay: 97.436 ms
Loss rate: 0.39%
-- Flow 1:
Average throughput: 93.89 Mbit/s
95th percentile per-packet one-way delay: 97.436 ms
Loss rate: 0.39%
```

Run 10: Report of TCP Cubic — Data Link

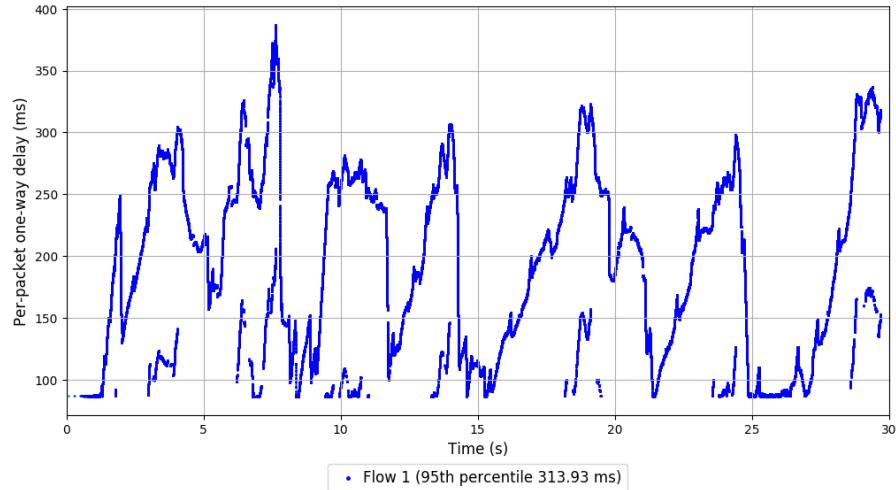
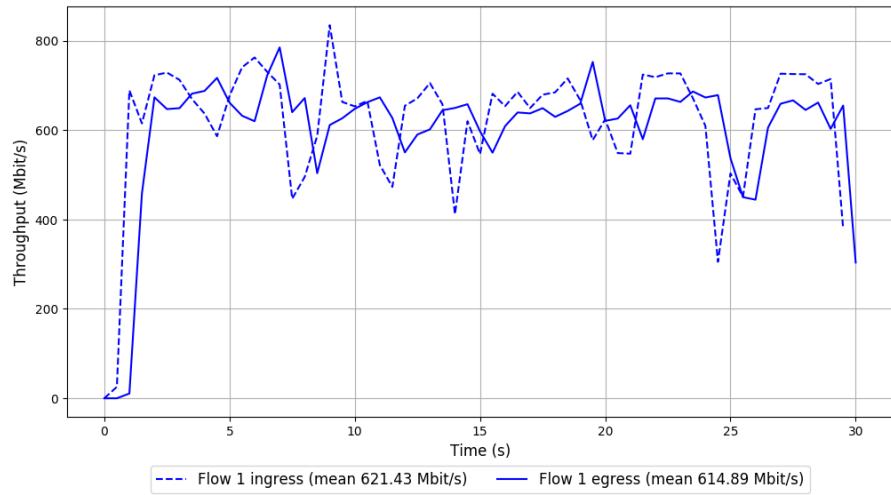


```
Run 1: Statistics of FillP

Start at: 2018-06-29 23:19:22
End at: 2018-06-29 23:19:52
Local clock offset: 0.364 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2018-06-30 03:00:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 614.89 Mbit/s
95th percentile per-packet one-way delay: 313.926 ms
Loss rate: 1.63%
-- Flow 1:
Average throughput: 614.89 Mbit/s
95th percentile per-packet one-way delay: 313.926 ms
Loss rate: 1.63%
```

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

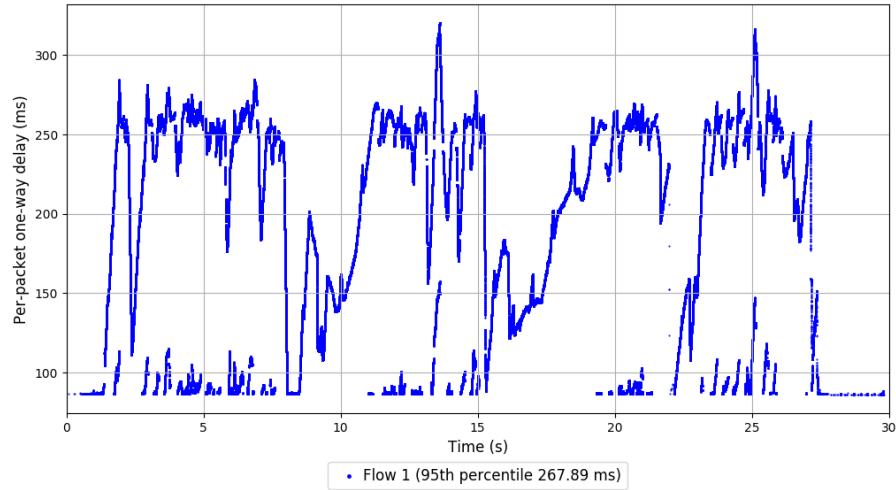
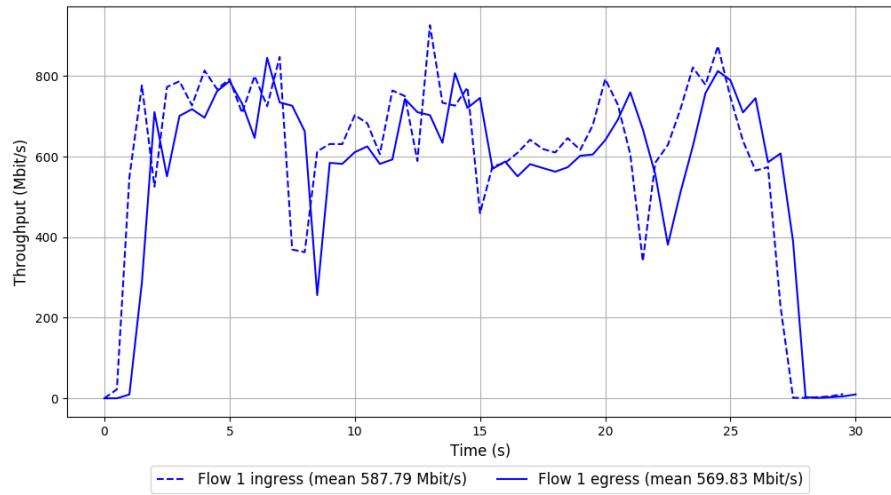


Run 2: Statistics of FillP

```
Start at: 2018-06-29 23:40:28
End at: 2018-06-29 23:40:58
Local clock offset: 0.194 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2018-06-30 03:00:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 569.83 Mbit/s
95th percentile per-packet one-way delay: 267.886 ms
Loss rate: 3.52%
-- Flow 1:
Average throughput: 569.83 Mbit/s
95th percentile per-packet one-way delay: 267.886 ms
Loss rate: 3.52%
```

Run 2: Report of FillP — Data Link

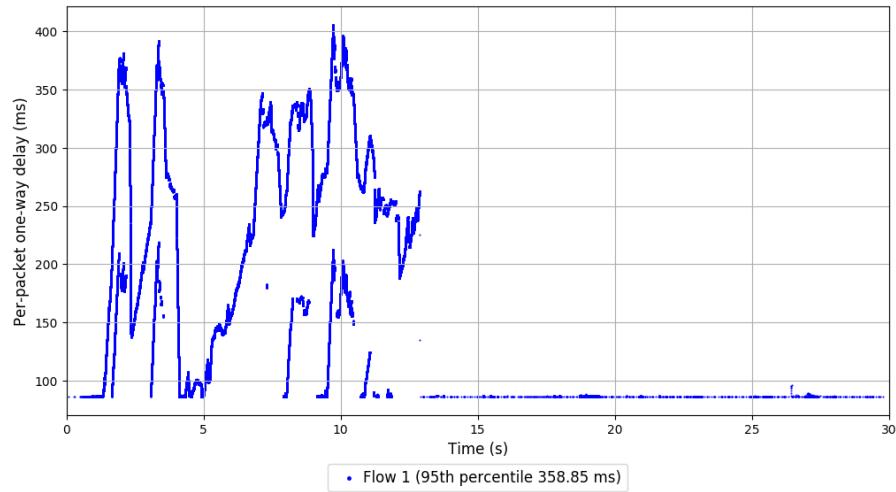
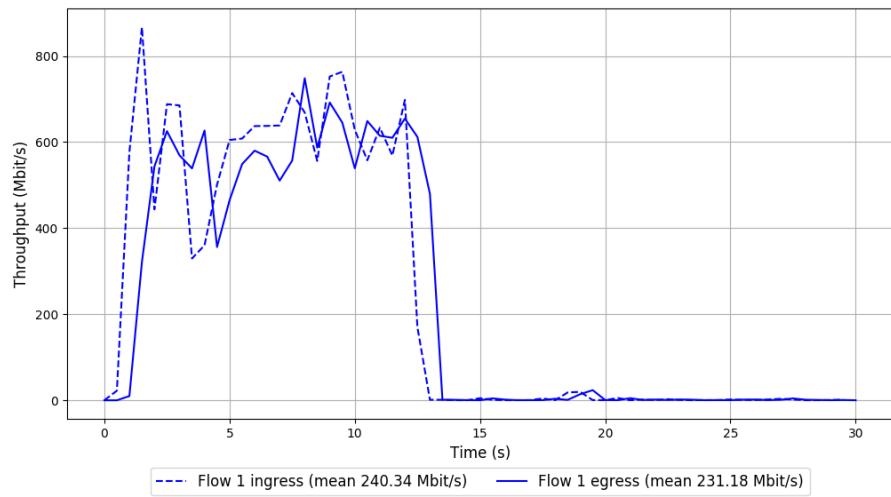


```
Run 3: Statistics of FillP
```

```
Start at: 2018-06-30 00:01:42
End at: 2018-06-30 00:02:12
Local clock offset: 0.104 ms
Remote clock offset: -0.017 ms

# Below is generated by plot.py at 2018-06-30 03:00:29
# Datalink statistics
-- Total of 1 flow:
Average throughput: 231.18 Mbit/s
95th percentile per-packet one-way delay: 358.849 ms
Loss rate: 4.61%
-- Flow 1:
Average throughput: 231.18 Mbit/s
95th percentile per-packet one-way delay: 358.849 ms
Loss rate: 4.61%
```

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

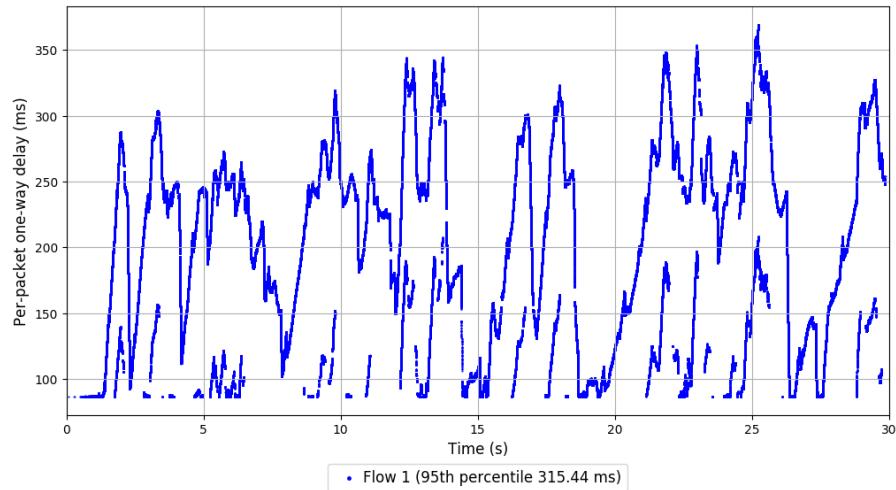
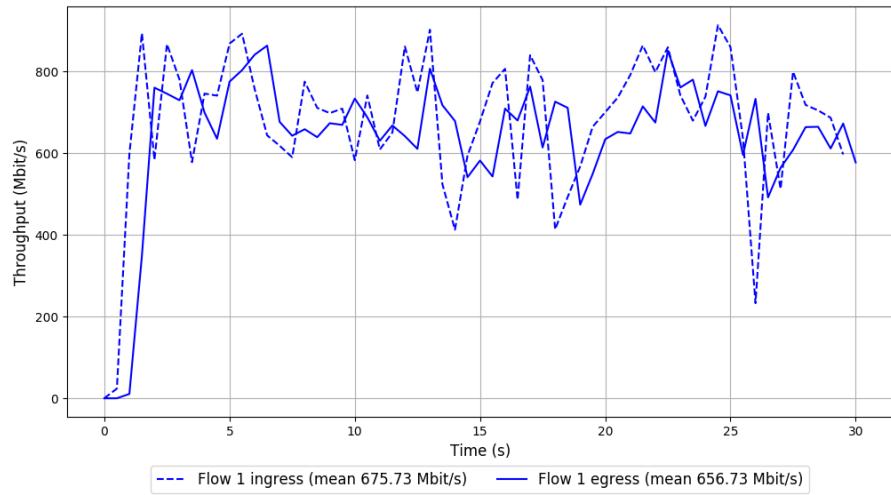


Run 4: Statistics of FillP

```
Start at: 2018-06-30 00:22:37
End at: 2018-06-30 00:23:07
Local clock offset: 0.191 ms
Remote clock offset: 0.144 ms

# Below is generated by plot.py at 2018-06-30 03:02:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 656.73 Mbit/s
95th percentile per-packet one-way delay: 315.440 ms
Loss rate: 3.37%
-- Flow 1:
Average throughput: 656.73 Mbit/s
95th percentile per-packet one-way delay: 315.440 ms
Loss rate: 3.37%
```

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

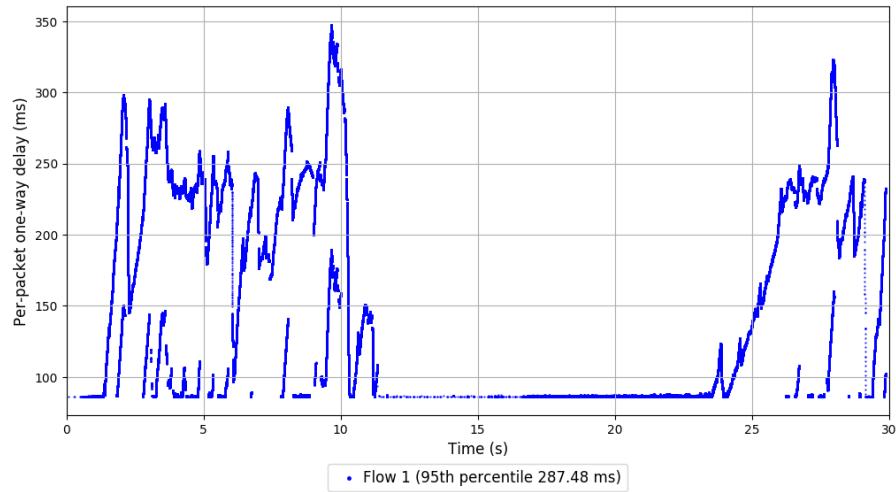
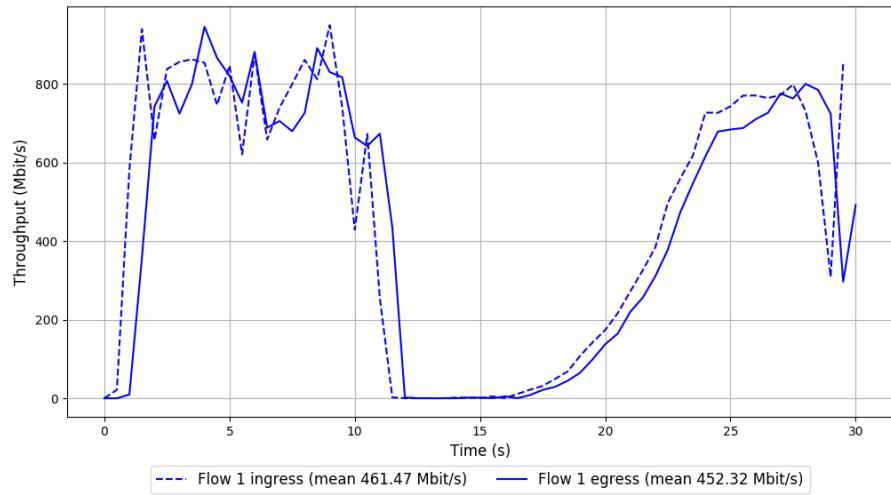


Run 5: Statistics of FillP

```
Start at: 2018-06-30 00:43:54
End at: 2018-06-30 00:44:24
Local clock offset: 0.117 ms
Remote clock offset: 0.246 ms

# Below is generated by plot.py at 2018-06-30 03:02:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 452.32 Mbit/s
95th percentile per-packet one-way delay: 287.482 ms
Loss rate: 2.55%
-- Flow 1:
Average throughput: 452.32 Mbit/s
95th percentile per-packet one-way delay: 287.482 ms
Loss rate: 2.55%
```

Run 5: Report of FillP — Data Link

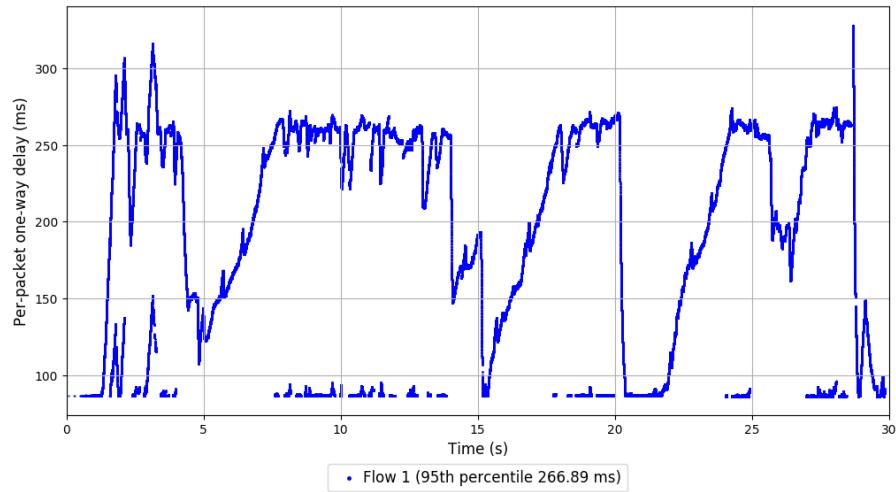
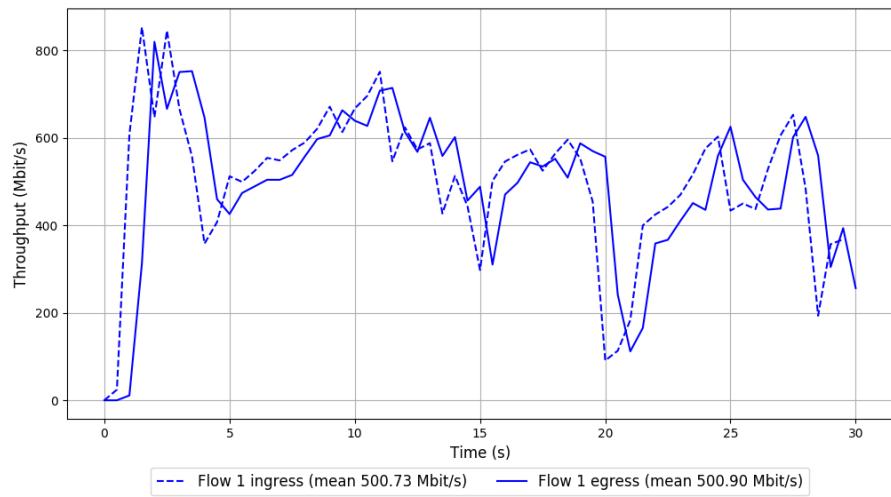


```
Run 6: Statistics of FillP
```

```
Start at: 2018-06-30 01:04:53
End at: 2018-06-30 01:05:23
Local clock offset: 0.144 ms
Remote clock offset: 0.299 ms

# Below is generated by plot.py at 2018-06-30 03:02:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 500.90 Mbit/s
95th percentile per-packet one-way delay: 266.893 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 500.90 Mbit/s
95th percentile per-packet one-way delay: 266.893 ms
Loss rate: 0.55%
```

Run 6: Report of FillP — Data Link

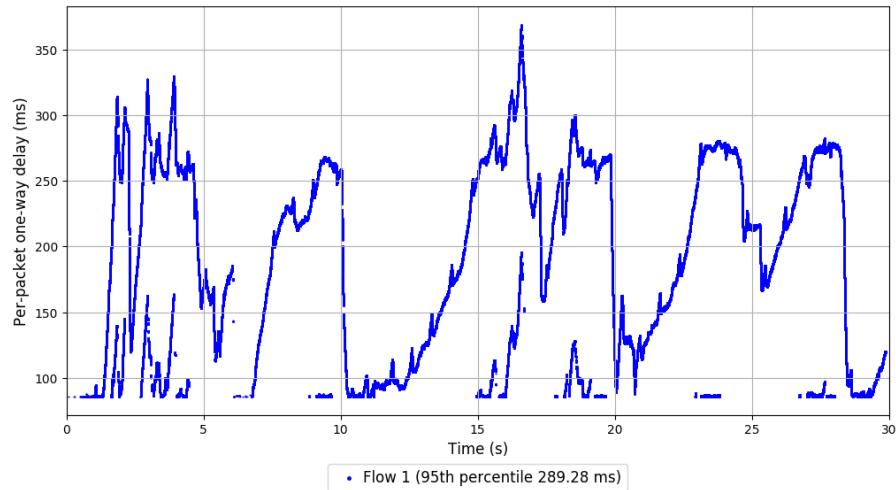
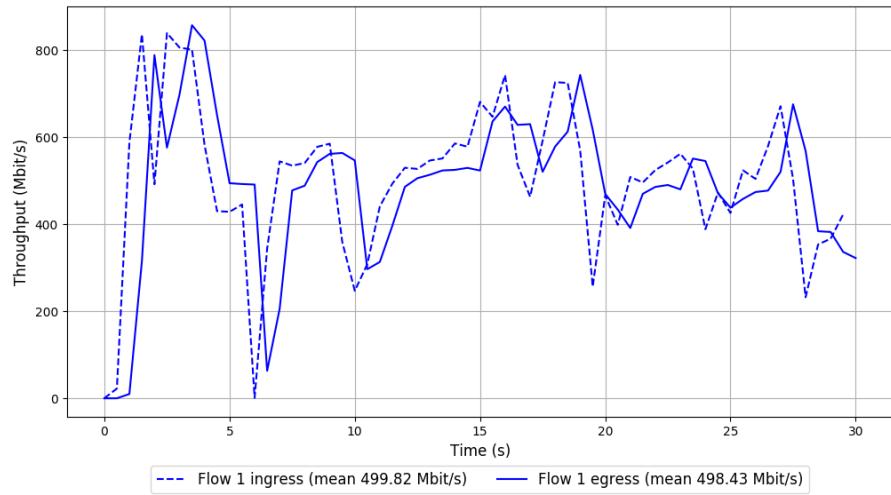


Run 7: Statistics of FillP

```
Start at: 2018-06-30 01:25:55
End at: 2018-06-30 01:26:25
Local clock offset: 0.159 ms
Remote clock offset: 0.115 ms

# Below is generated by plot.py at 2018-06-30 03:02:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 498.43 Mbit/s
95th percentile per-packet one-way delay: 289.276 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 498.43 Mbit/s
95th percentile per-packet one-way delay: 289.276 ms
Loss rate: 0.85%
```

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

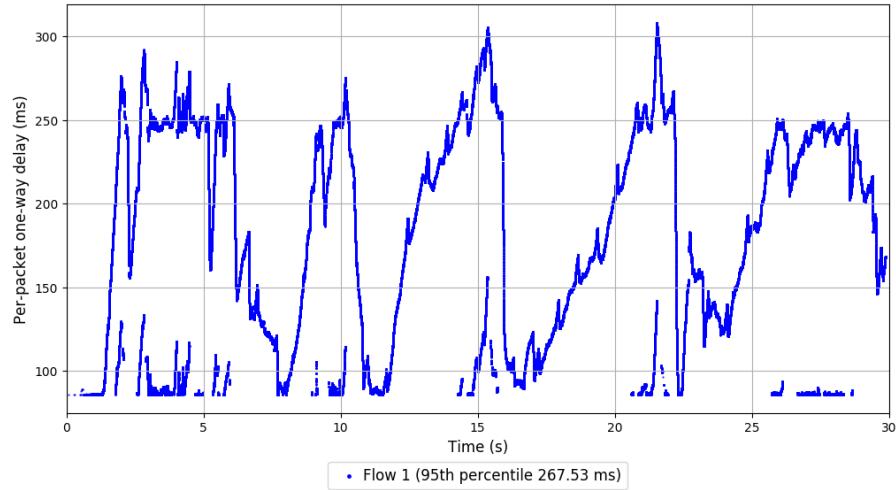
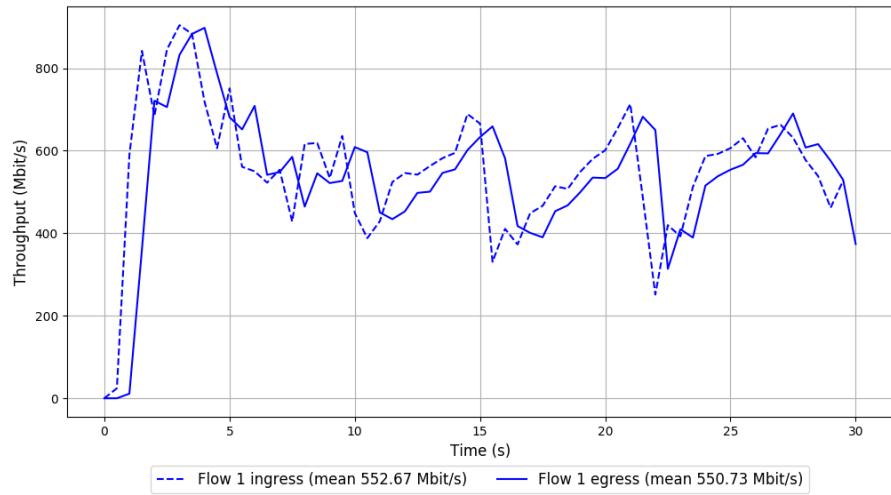


Run 8: Statistics of FillP

```
Start at: 2018-06-30 01:47:07
End at: 2018-06-30 01:47:37
Local clock offset: 0.228 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2018-06-30 03:02:58
# Datalink statistics
-- Total of 1 flow:
Average throughput: 550.73 Mbit/s
95th percentile per-packet one-way delay: 267.532 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 550.73 Mbit/s
95th percentile per-packet one-way delay: 267.532 ms
Loss rate: 0.93%
```

Run 8: Report of FillP — Data Link

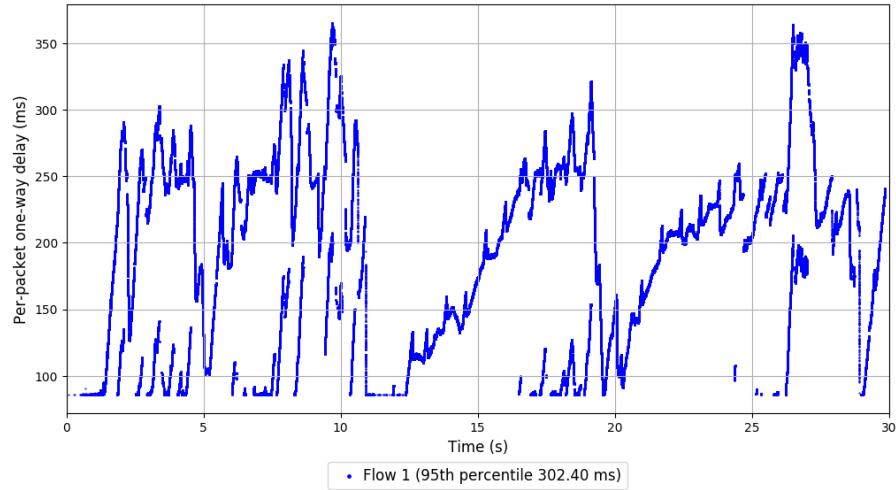
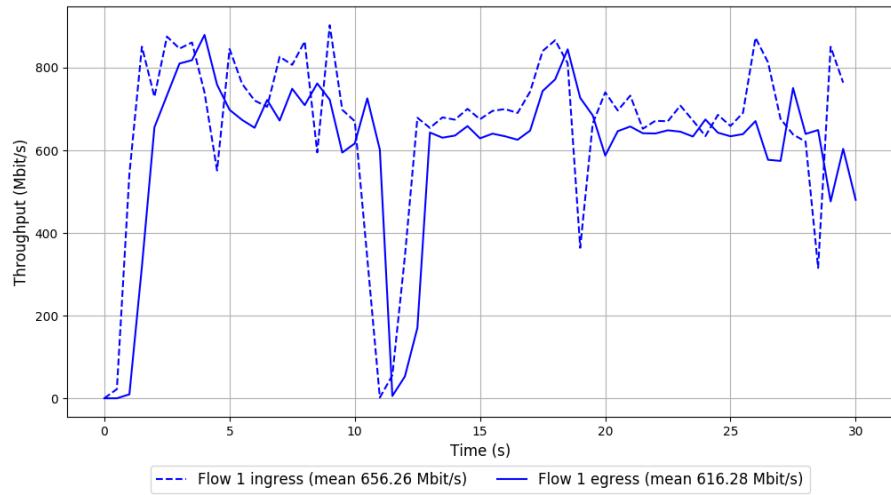


Run 9: Statistics of FillP

```
Start at: 2018-06-30 02:07:54
End at: 2018-06-30 02:08:24
Local clock offset: 0.153 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-06-30 03:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 616.28 Mbit/s
95th percentile per-packet one-way delay: 302.400 ms
Loss rate: 6.64%
-- Flow 1:
Average throughput: 616.28 Mbit/s
95th percentile per-packet one-way delay: 302.400 ms
Loss rate: 6.64%
```

Run 9: Report of FillP — Data Link

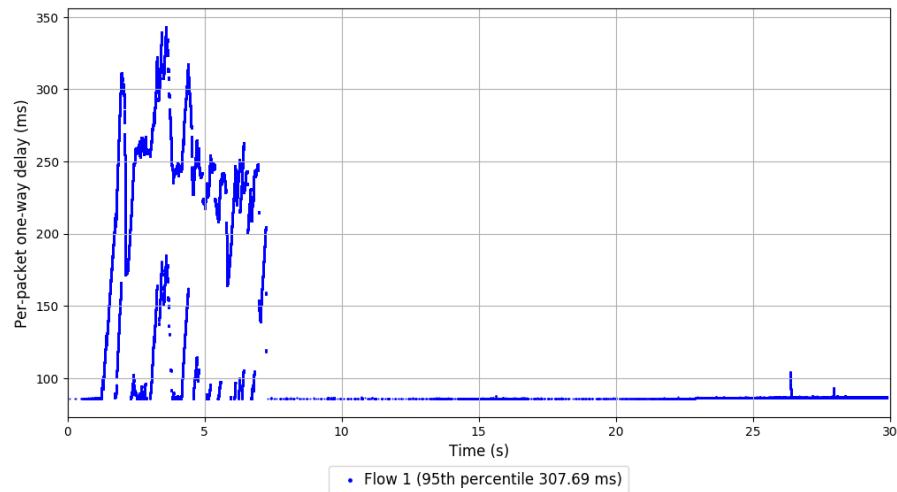
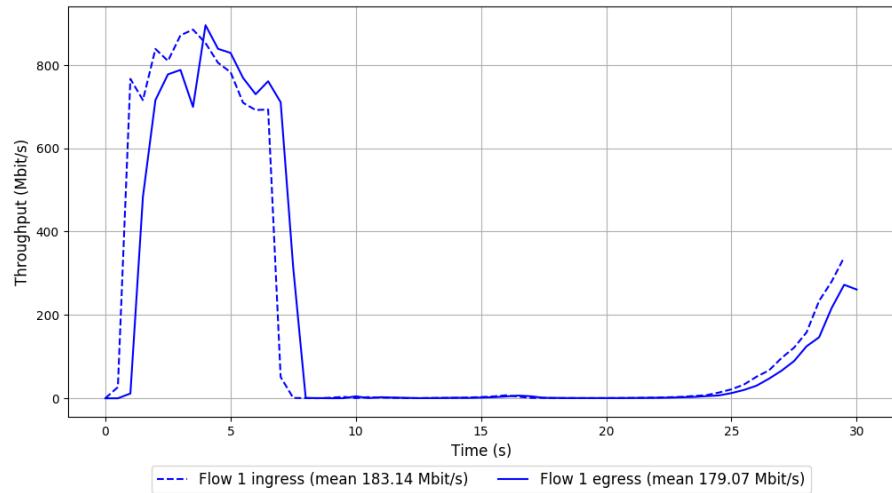


```
Run 10: Statistics of FillP
```

```
Start at: 2018-06-30 02:29:03
End at: 2018-06-30 02:29:33
Local clock offset: 0.024 ms
Remote clock offset: -0.098 ms

# Below is generated by plot.py at 2018-06-30 03:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.07 Mbit/s
95th percentile per-packet one-way delay: 307.689 ms
Loss rate: 2.79%
-- Flow 1:
Average throughput: 179.07 Mbit/s
95th percentile per-packet one-way delay: 307.689 ms
Loss rate: 2.79%
```

Run 10: Report of FillP — Data Link



Run 1: Statistics of FillP-Sheep

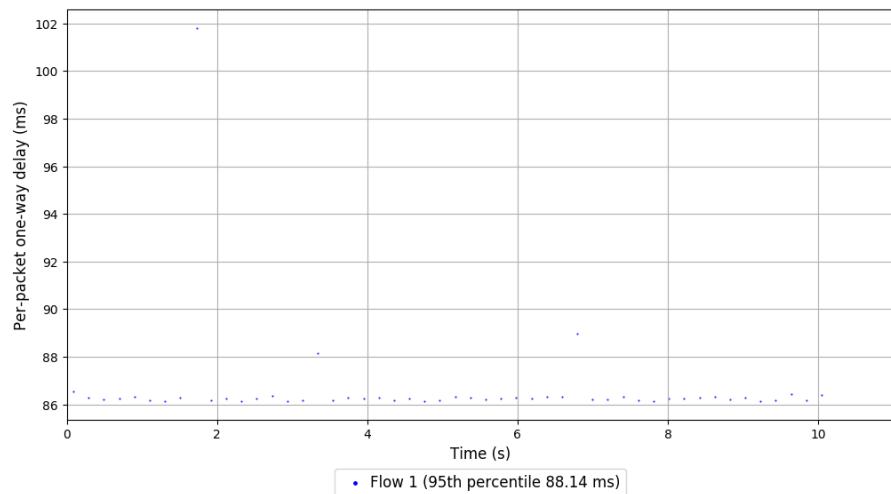
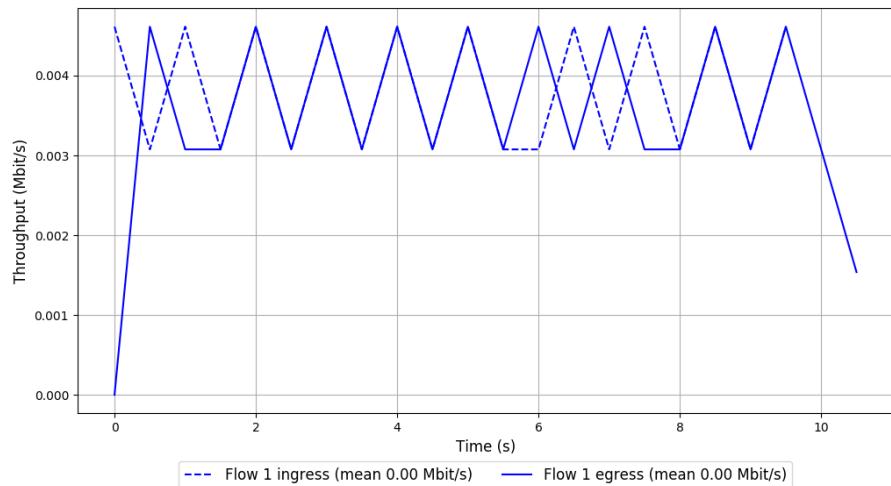
Start at: 2018-06-29 23:13:40

End at: 2018-06-29 23:14:10

Local clock offset: 0.167 ms

Remote clock offset: -0.087 ms

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



Run 2: Statistics of FillP-Sheep

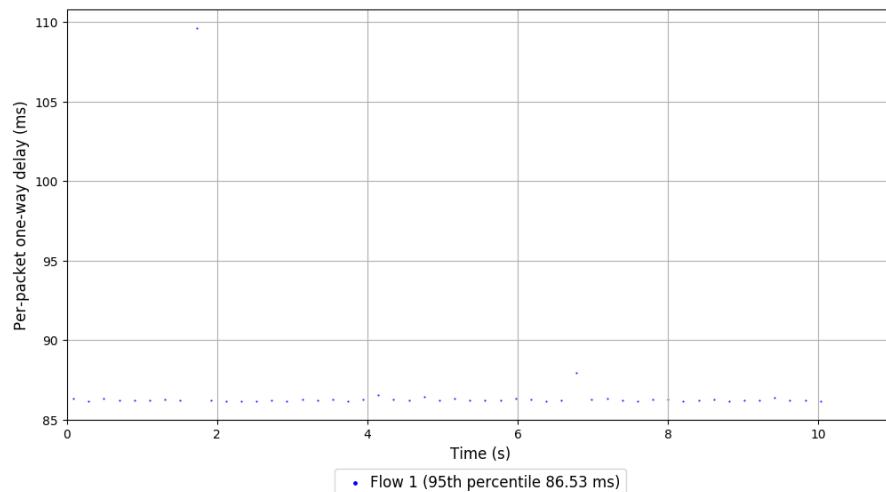
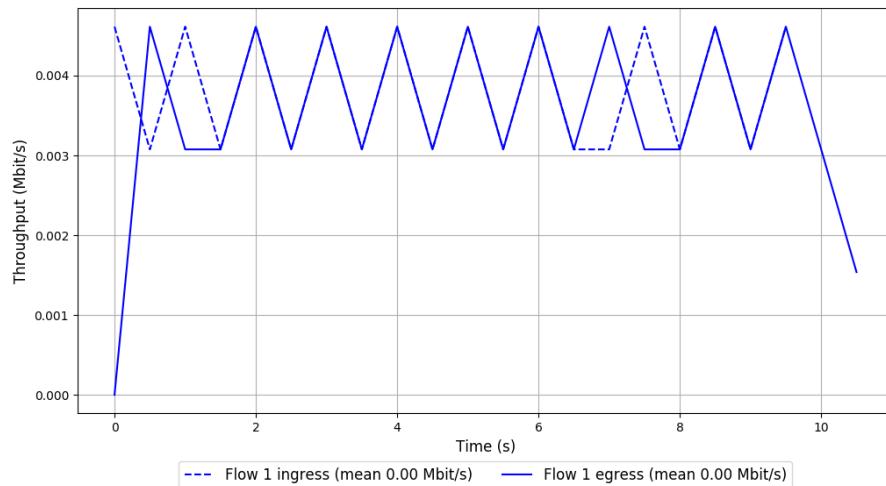
Start at: 2018-06-29 23:34:44

End at: 2018-06-29 23:35:14

Local clock offset: 0.333 ms

Remote clock offset: -0.011 ms

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



Run 3: Statistics of FillP-Sheep

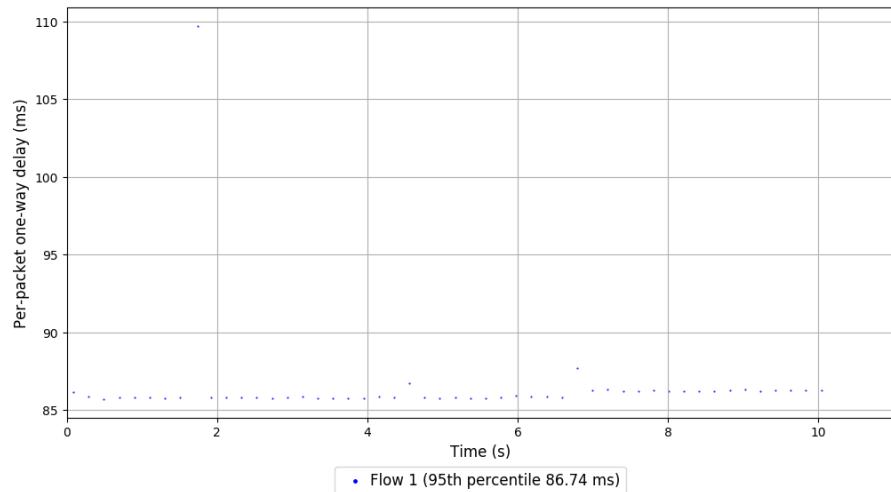
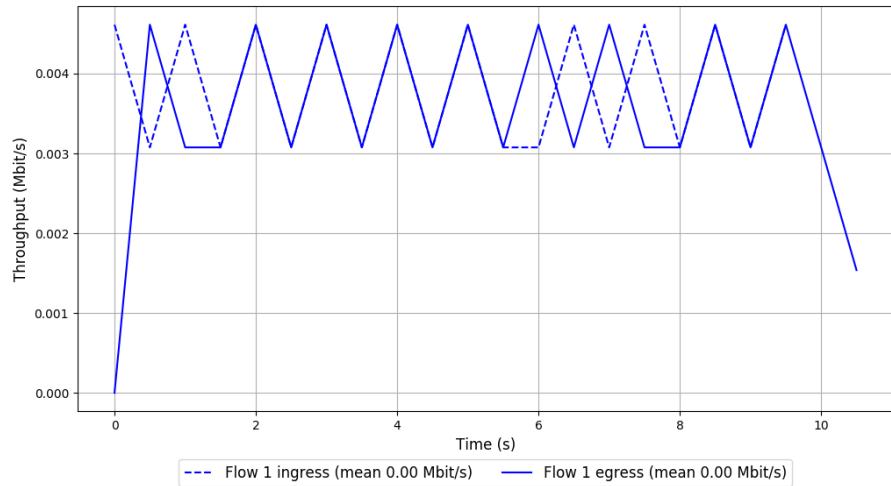
Start at: 2018-06-29 23:55:59

End at: 2018-06-29 23:56:29

Local clock offset: -0.148 ms

Remote clock offset: -0.002 ms

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



Run 4: Statistics of FillP-Sheep

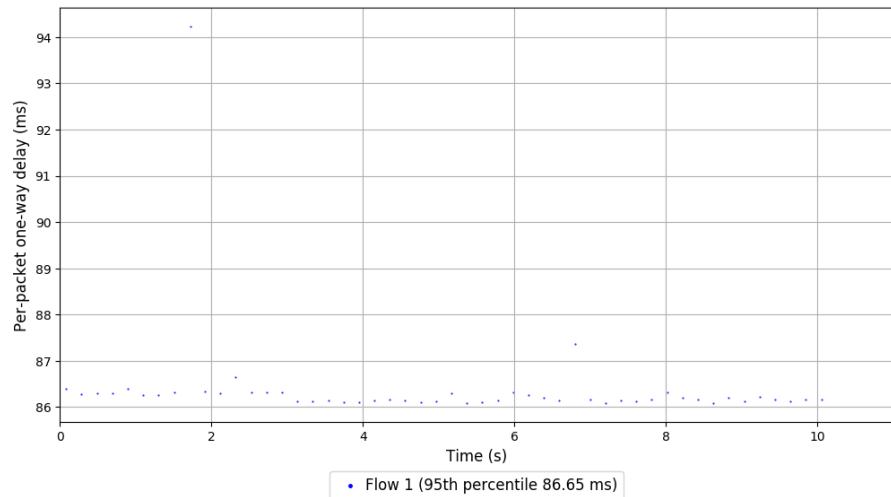
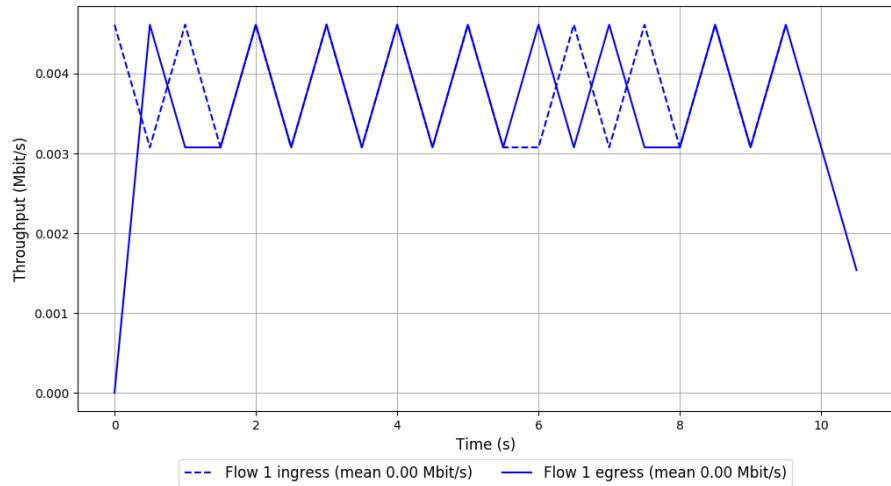
Start at: 2018-06-30 00:16:53

End at: 2018-06-30 00:17:23

Local clock offset: 0.185 ms

Remote clock offset: 0.112 ms

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



Run 5: Statistics of FillP-Sheep

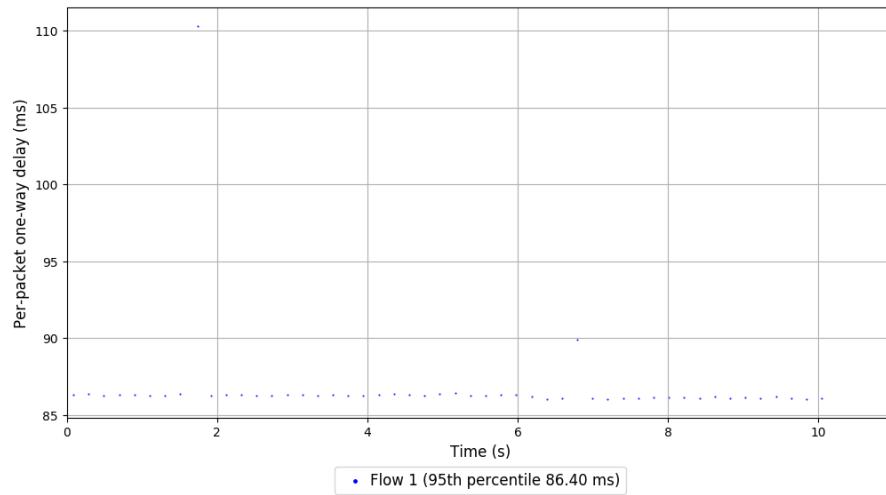
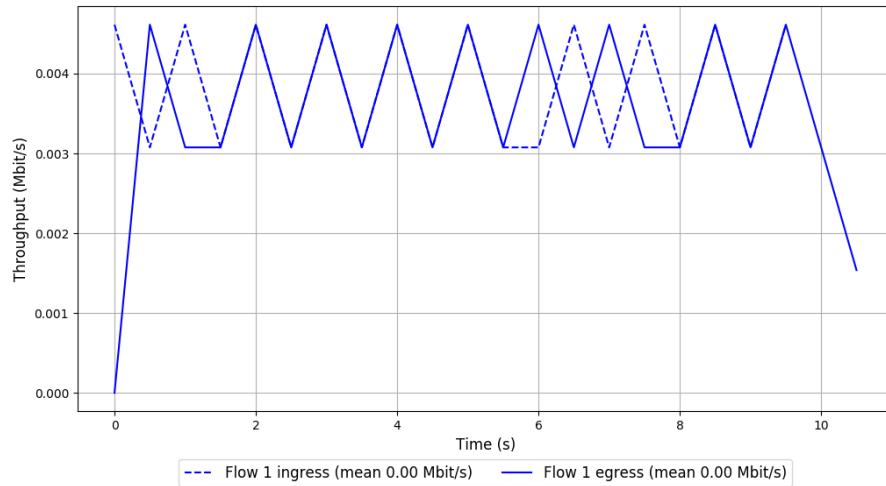
Start at: 2018-06-30 00:38:10

End at: 2018-06-30 00:38:40

Local clock offset: 0.133 ms

Remote clock offset: 0.175 ms

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



Run 6: Statistics of FillP-Sheep

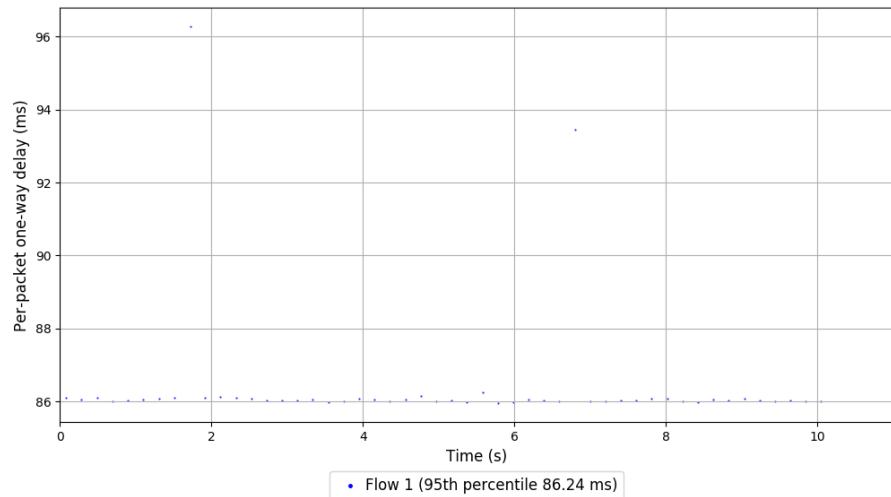
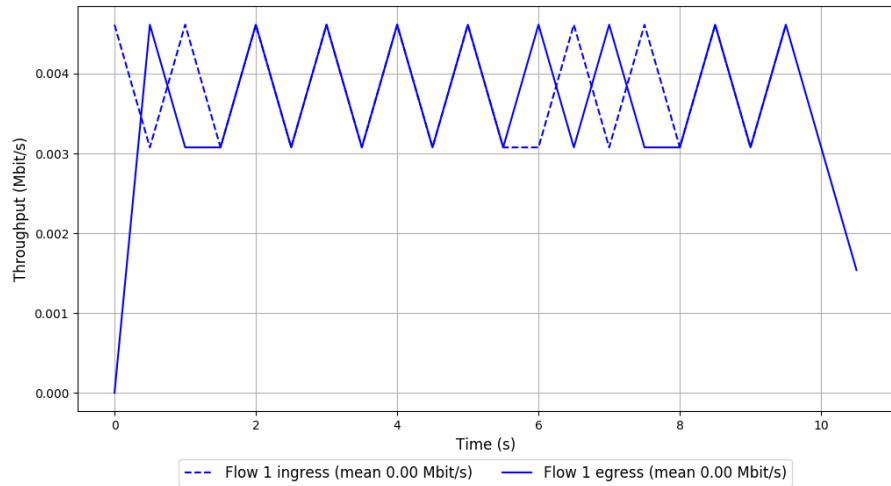
Start at: 2018-06-30 00:59:08

End at: 2018-06-30 00:59:38

Local clock offset: 0.12 ms

Remote clock offset: 0.29 ms

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



Run 7: Statistics of FillP-Sheep

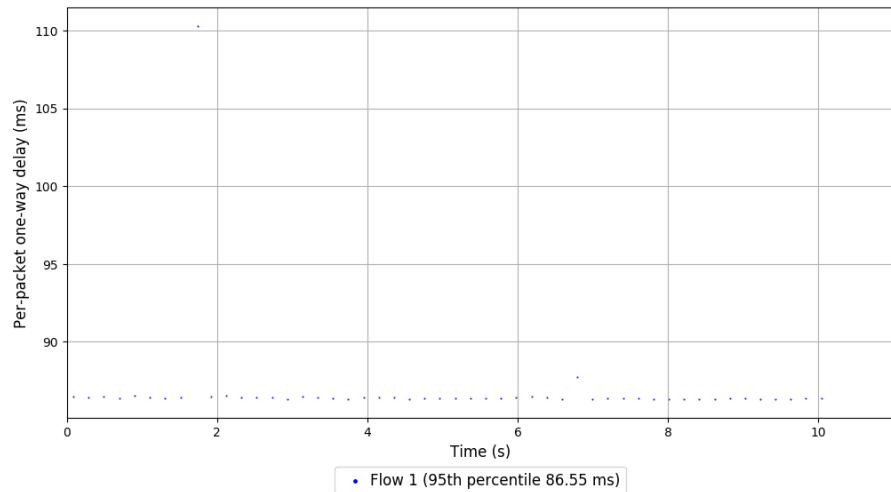
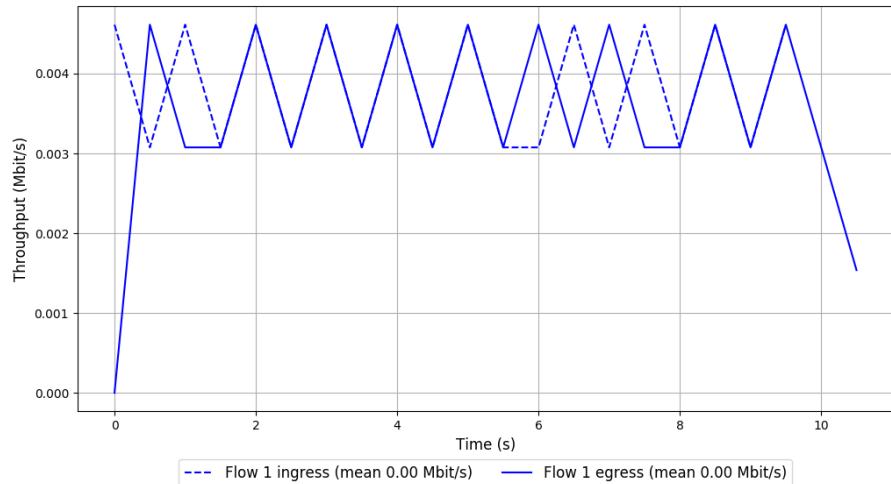
Start at: 2018-06-30 01:20:07

End at: 2018-06-30 01:20:37

Local clock offset: 0.25 ms

Remote clock offset: 0.149 ms

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



Run 8: Statistics of FillP-Sheep

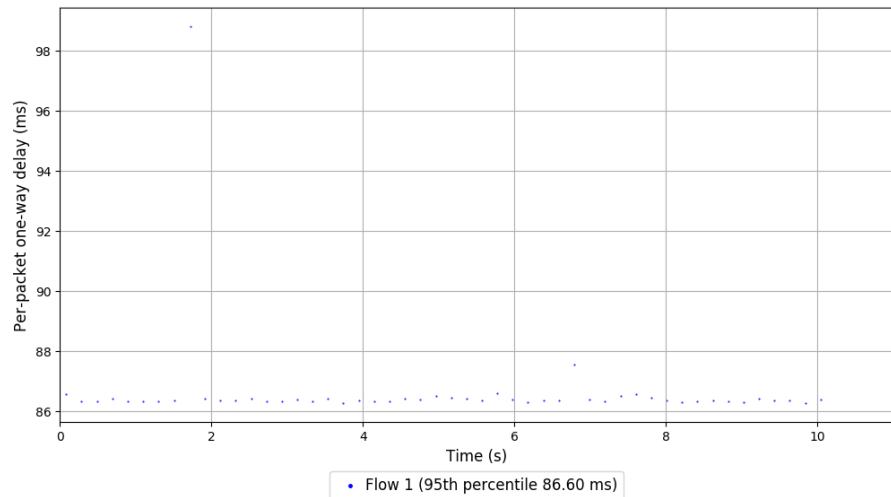
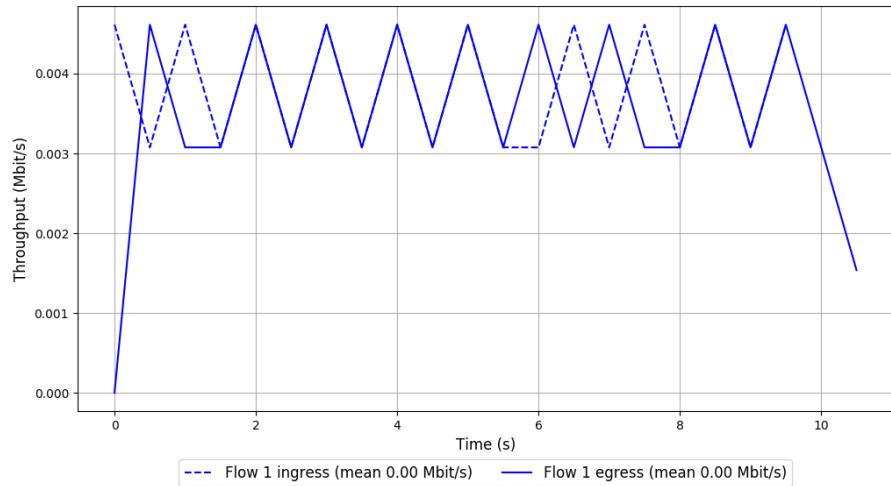
Start at: 2018-06-30 01:41:22

End at: 2018-06-30 01:41:52

Local clock offset: 0.258 ms

Remote clock offset: 0.042 ms

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



Run 9: Statistics of FillP-Sheep

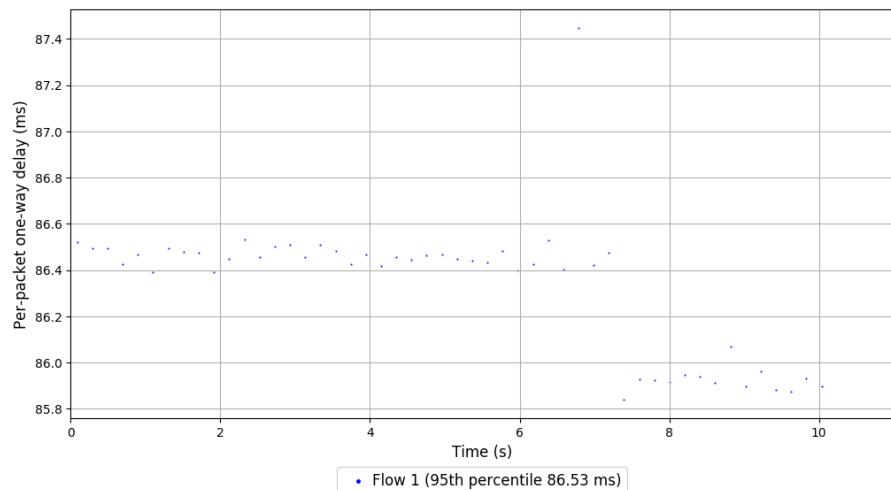
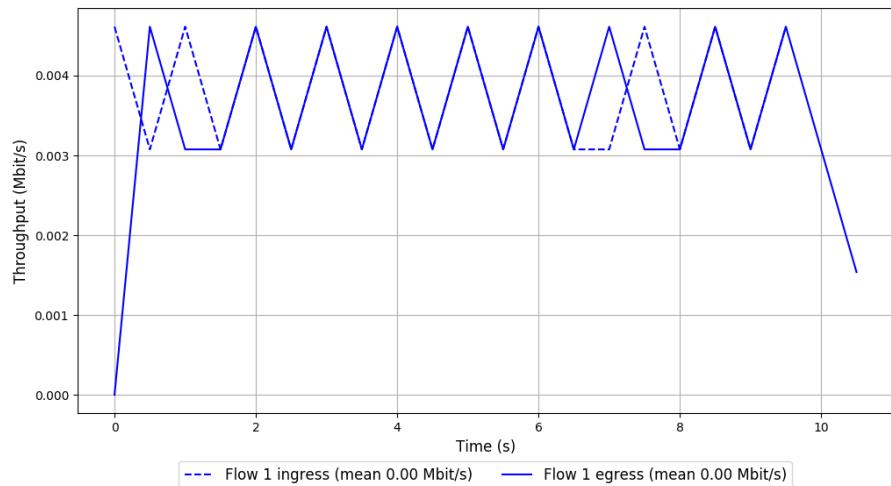
Start at: 2018-06-30 02:02:08

End at: 2018-06-30 02:02:38

Local clock offset: 0.16 ms

Remote clock offset: -0.031 ms

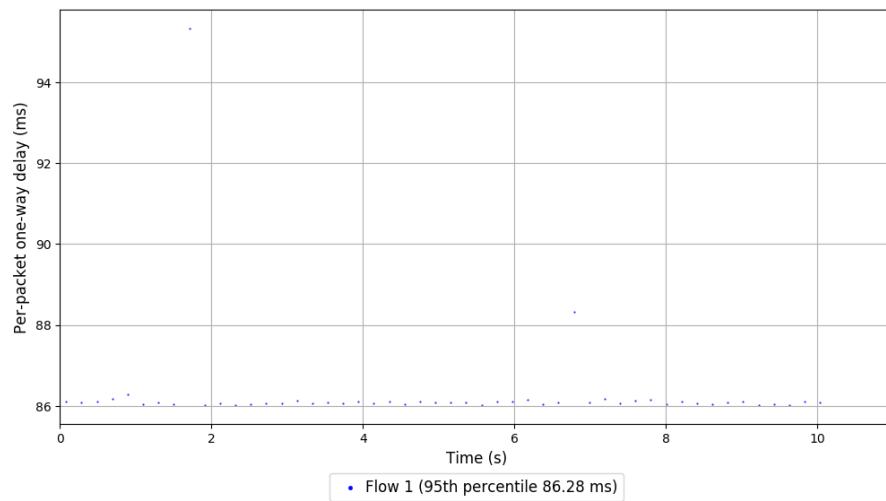
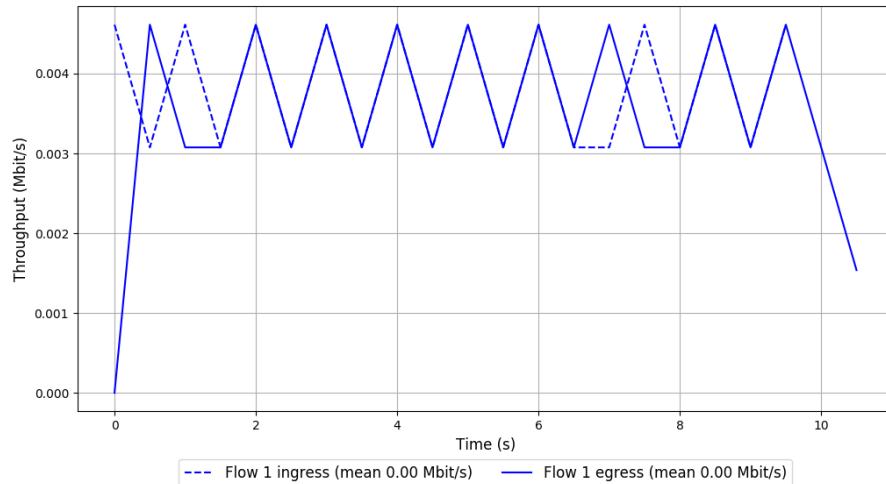
Run 9: Report of FillP-Sheep — Data Link



Run 10: Statistics of FillP-Sheep

Start at: 2018-06-30 02:23:17  
End at: 2018-06-30 02:23:47  
Local clock offset: 0.259 ms  
Remote clock offset: -0.055 ms

Run 10: Report of FillP-Sheep — Data Link



Run 1: Statistics of Indigo

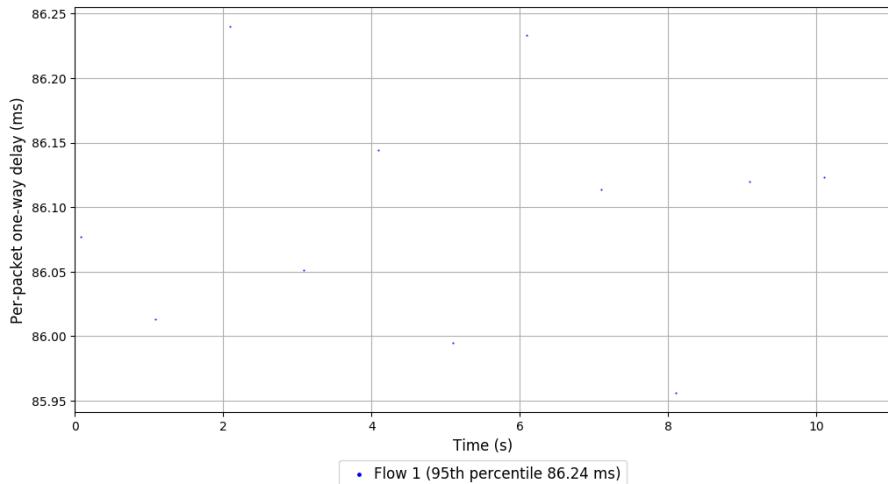
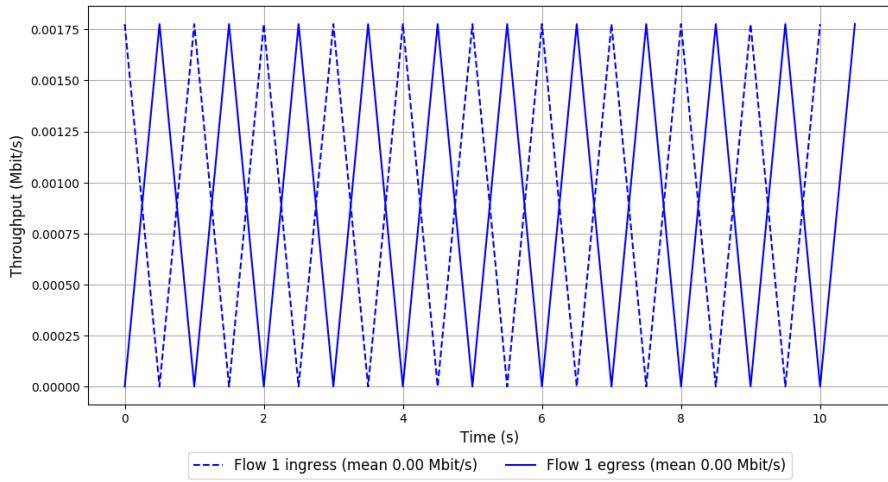
Start at: 2018-06-29 23:08:35

End at: 2018-06-29 23:09:05

Local clock offset: 0.044 ms

Remote clock offset: -0.029 ms

## Run 1: Report of Indigo — Data Link

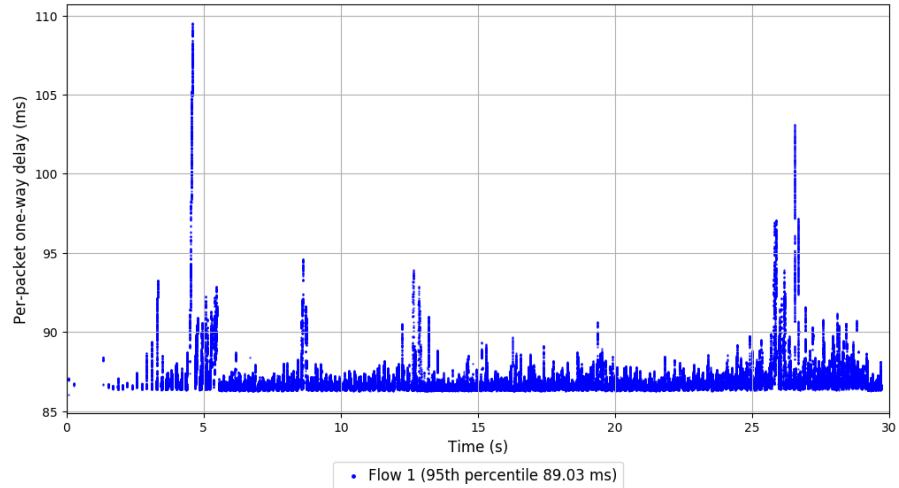
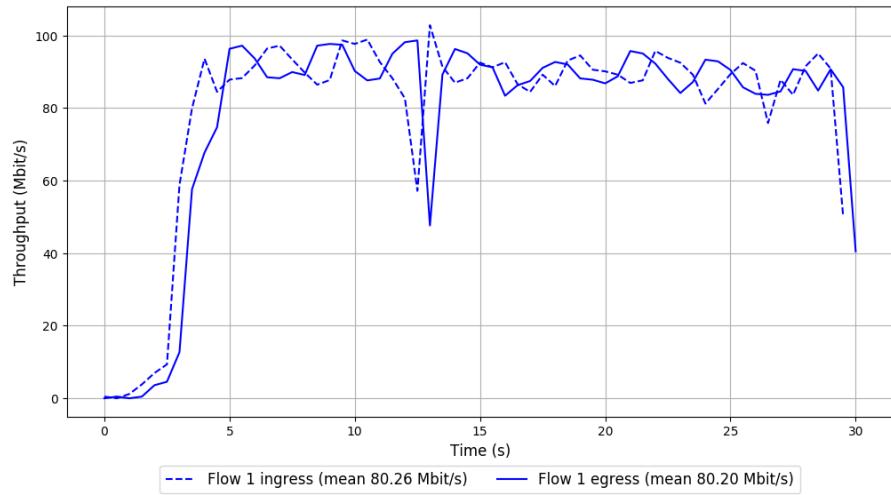


Run 2: Statistics of Indigo

```
Start at: 2018-06-29 23:29:30
End at: 2018-06-29 23:30:00
Local clock offset: 0.17 ms
Remote clock offset: -0.001 ms

# Below is generated by plot.py at 2018-06-30 03:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 80.20 Mbit/s
95th percentile per-packet one-way delay: 89.032 ms
Loss rate: 0.66%
-- Flow 1:
Average throughput: 80.20 Mbit/s
95th percentile per-packet one-way delay: 89.032 ms
Loss rate: 0.66%
```

## Run 2: Report of Indigo — Data Link

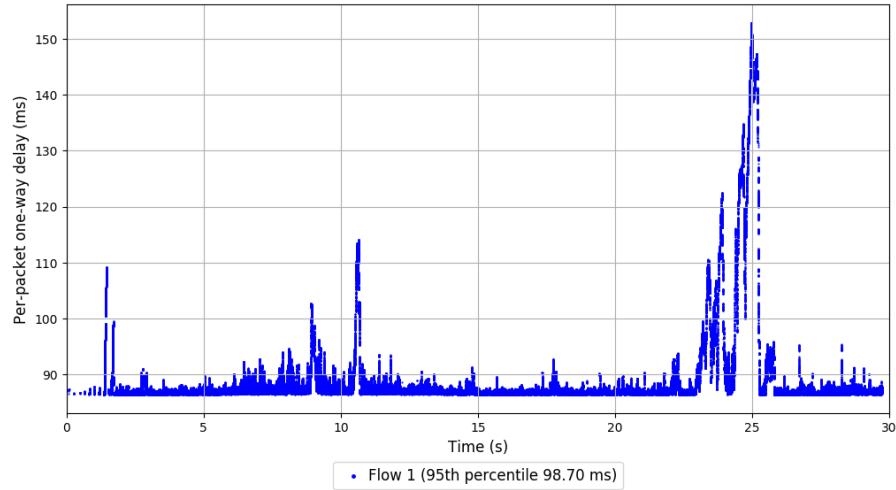
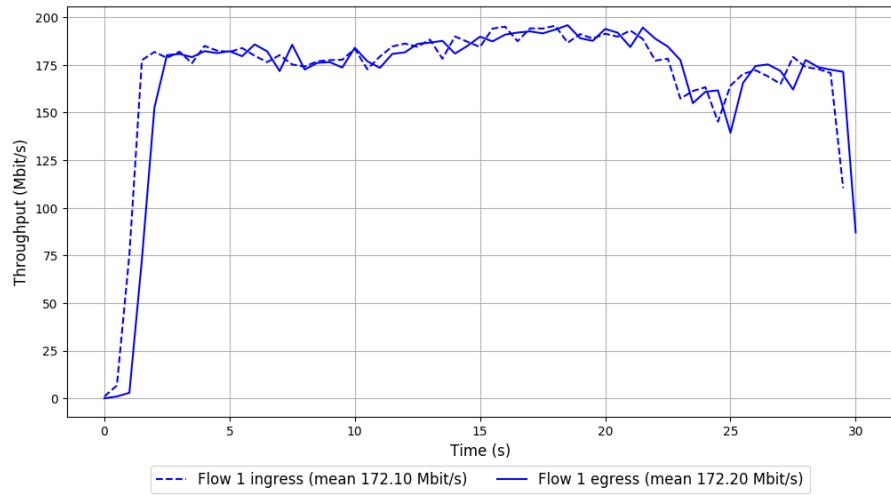


Run 3: Statistics of Indigo

```
Start at: 2018-06-29 23:50:38
End at: 2018-06-29 23:51:08
Local clock offset: 0.197 ms
Remote clock offset: -0.062 ms

# Below is generated by plot.py at 2018-06-30 03:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 172.20 Mbit/s
95th percentile per-packet one-way delay: 98.698 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 172.20 Mbit/s
95th percentile per-packet one-way delay: 98.698 ms
Loss rate: 0.52%
```

Run 3: Report of Indigo — Data Link

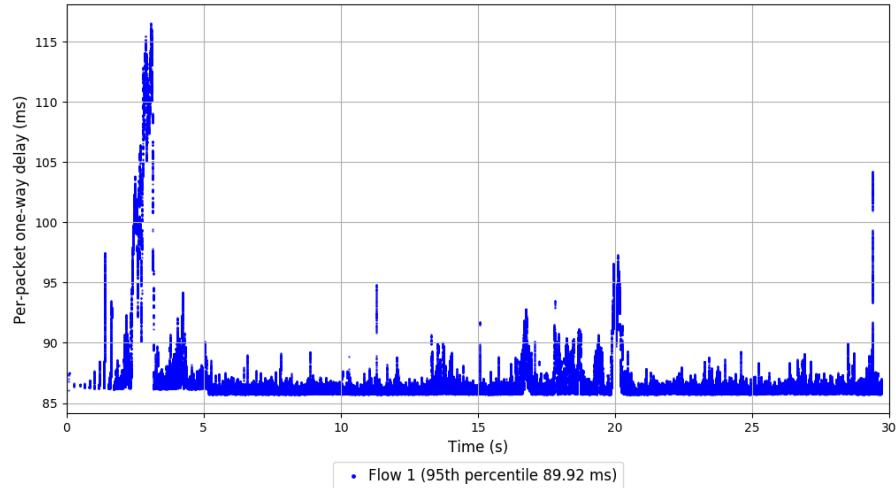
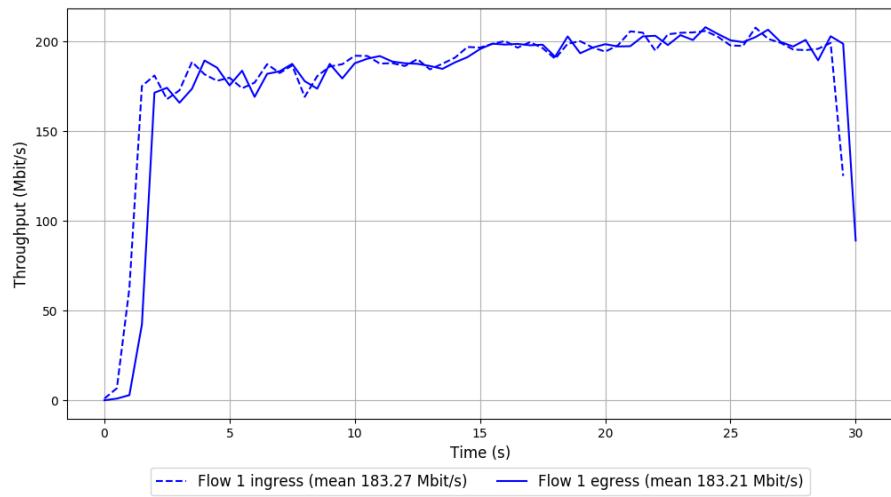


Run 4: Statistics of Indigo

```
Start at: 2018-06-30 00:11:30
End at: 2018-06-30 00:12:00
Local clock offset: -0.042 ms
Remote clock offset: 0.097 ms

# Below is generated by plot.py at 2018-06-30 03:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 183.21 Mbit/s
95th percentile per-packet one-way delay: 89.919 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 183.21 Mbit/s
95th percentile per-packet one-way delay: 89.919 ms
Loss rate: 0.61%
```

## Run 4: Report of Indigo — Data Link

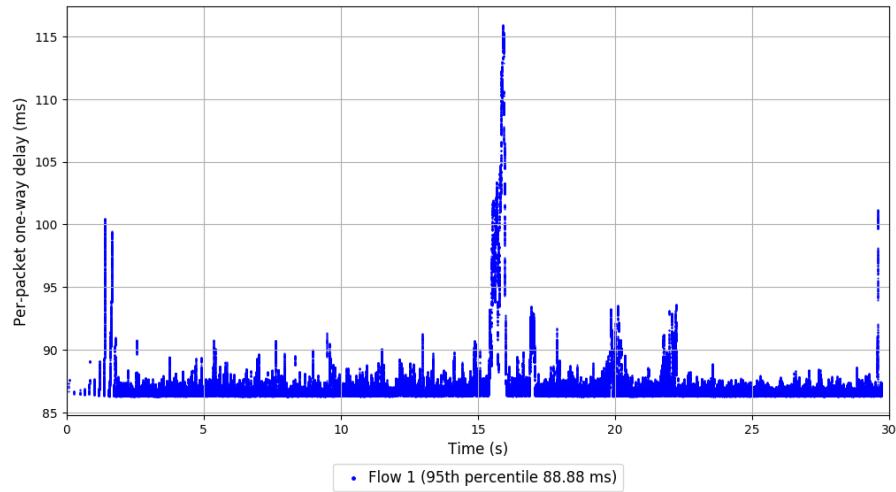
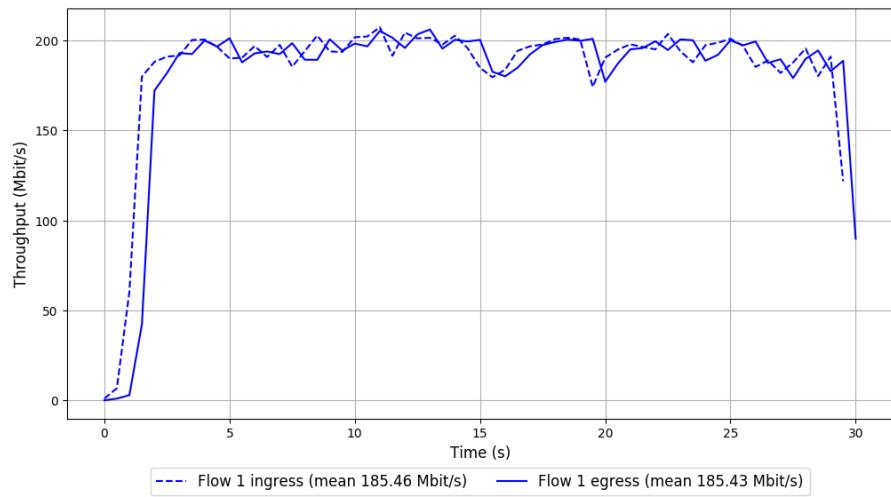


Run 5: Statistics of Indigo

```
Start at: 2018-06-30 00:32:45
End at: 2018-06-30 00:33:15
Local clock offset: 0.053 ms
Remote clock offset: 0.2 ms

# Below is generated by plot.py at 2018-06-30 03:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 185.43 Mbit/s
95th percentile per-packet one-way delay: 88.884 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 185.43 Mbit/s
95th percentile per-packet one-way delay: 88.884 ms
Loss rate: 0.60%
```

Run 5: Report of Indigo — Data Link

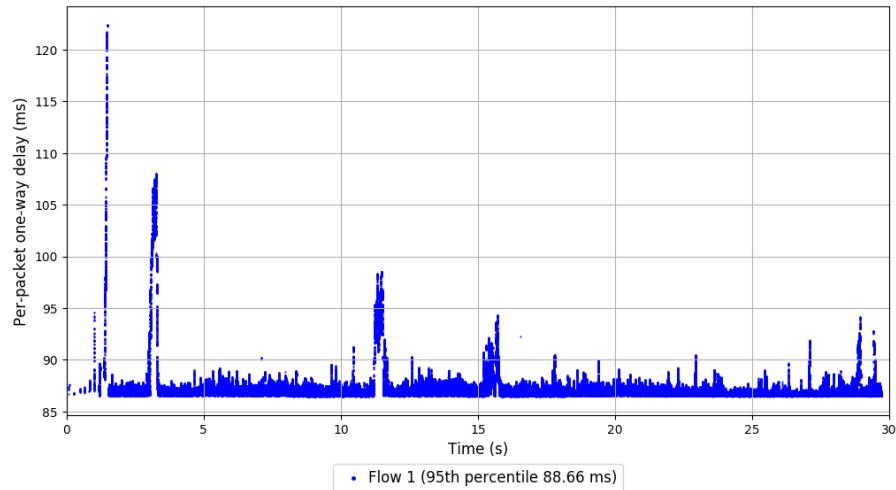
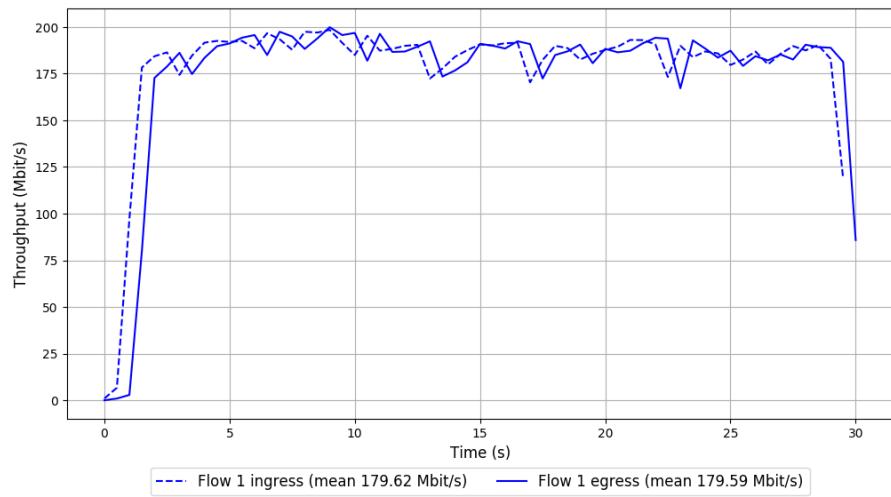


Run 6: Statistics of Indigo

```
Start at: 2018-06-30 00:53:47
End at: 2018-06-30 00:54:17
Local clock offset: 0.197 ms
Remote clock offset: 0.274 ms

# Below is generated by plot.py at 2018-06-30 03:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.59 Mbit/s
95th percentile per-packet one-way delay: 88.663 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 179.59 Mbit/s
95th percentile per-packet one-way delay: 88.663 ms
Loss rate: 0.62%
```

Run 6: Report of Indigo — Data Link



Run 7: Statistics of Indigo

Start at: 2018-06-30 01:14:49

End at: 2018-06-30 01:15:19

Local clock offset: 0.179 ms

Remote clock offset: 0.243 ms

# Below is generated by plot.py at 2018-06-30 03:07:22

# Datalink statistics

-- Total of 1 flow:

Average throughput: 178.47 Mbit/s

95th percentile per-packet one-way delay: 88.819 ms

Loss rate: 0.61%

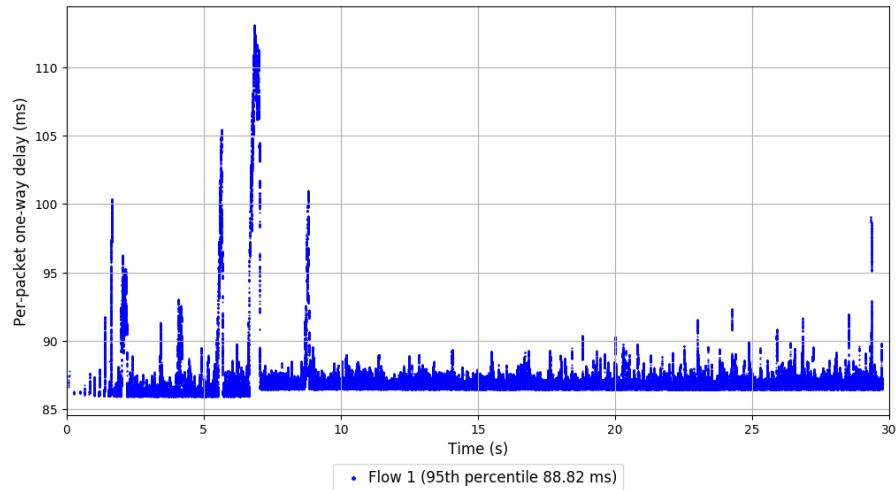
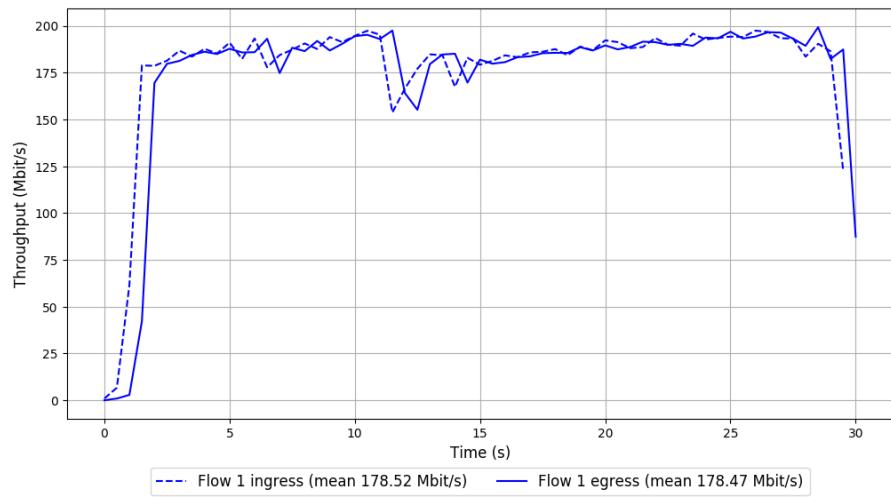
-- Flow 1:

Average throughput: 178.47 Mbit/s

95th percentile per-packet one-way delay: 88.819 ms

Loss rate: 0.61%

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

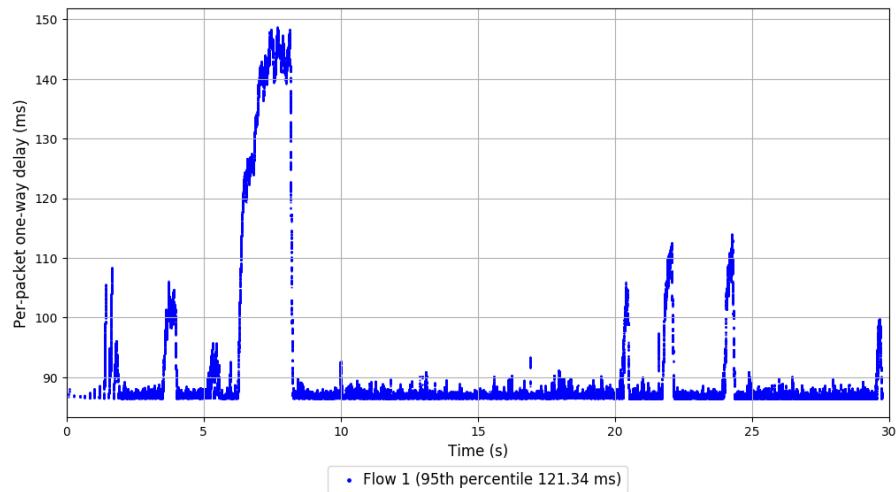
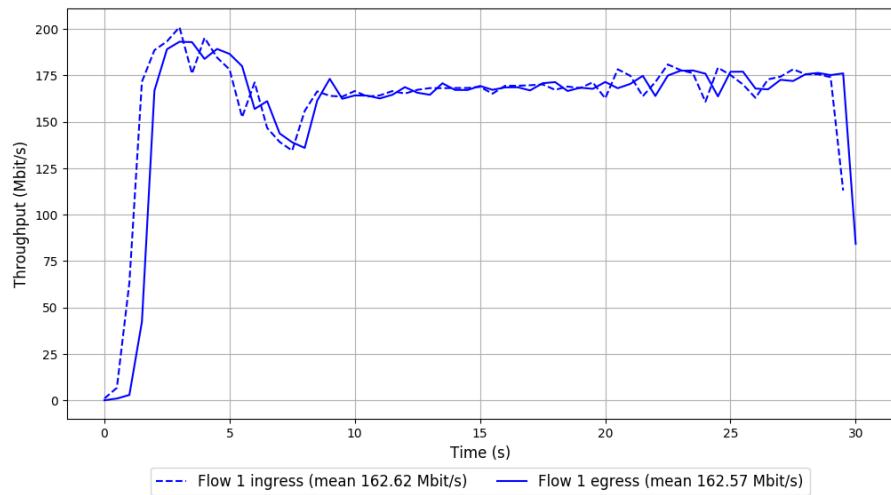


Run 8: Statistics of Indigo

```
Start at: 2018-06-30 01:35:55
End at: 2018-06-30 01:36:26
Local clock offset: 0.215 ms
Remote clock offset: 0.004 ms

# Below is generated by plot.py at 2018-06-30 03:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 162.57 Mbit/s
95th percentile per-packet one-way delay: 121.340 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 162.57 Mbit/s
95th percentile per-packet one-way delay: 121.340 ms
Loss rate: 0.61%
```

Run 8: Report of Indigo — Data Link

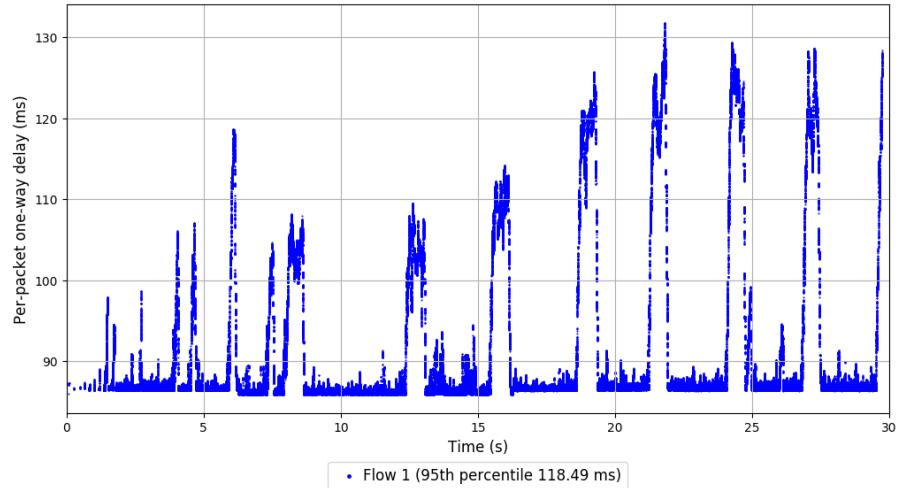
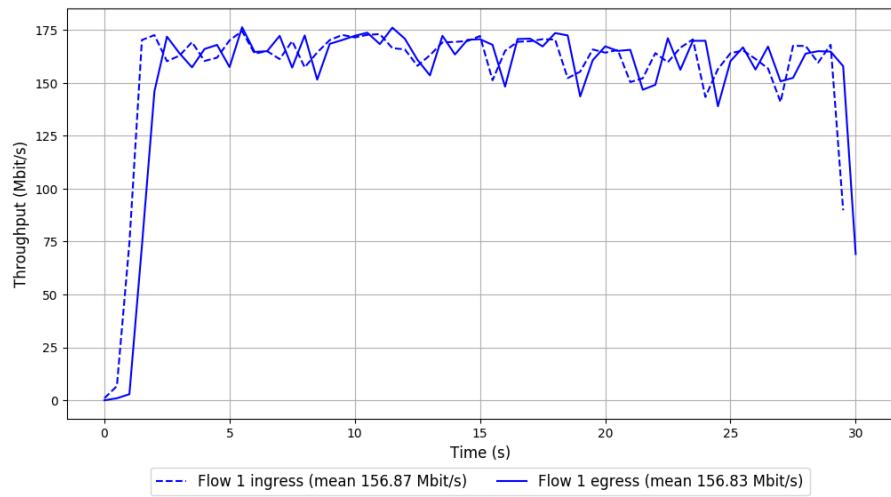


Run 9: Statistics of Indigo

```
Start at: 2018-06-30 01:56:59
End at: 2018-06-30 01:57:29
Local clock offset: 0.224 ms
Remote clock offset: -0.033 ms

# Below is generated by plot.py at 2018-06-30 03:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 156.83 Mbit/s
95th percentile per-packet one-way delay: 118.493 ms
Loss rate: 0.60%
-- Flow 1:
Average throughput: 156.83 Mbit/s
95th percentile per-packet one-way delay: 118.493 ms
Loss rate: 0.60%
```

Run 9: Report of Indigo — Data Link

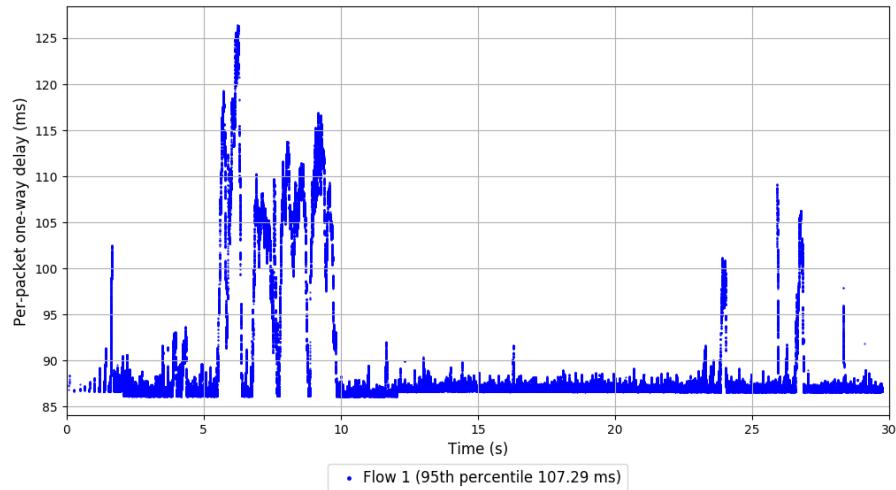
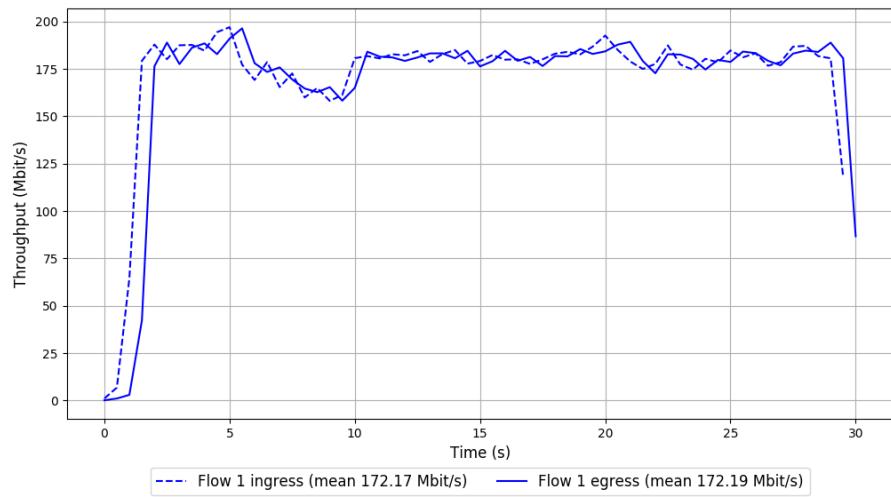


Run 10: Statistics of Indigo

```
Start at: 2018-06-30 02:18:04
End at: 2018-06-30 02:18:34
Local clock offset: 0.477 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2018-06-30 03:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 172.19 Mbit/s
95th percentile per-packet one-way delay: 107.289 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 172.19 Mbit/s
95th percentile per-packet one-way delay: 107.289 ms
Loss rate: 0.57%
```

## Run 10: Report of Indigo — Data Link

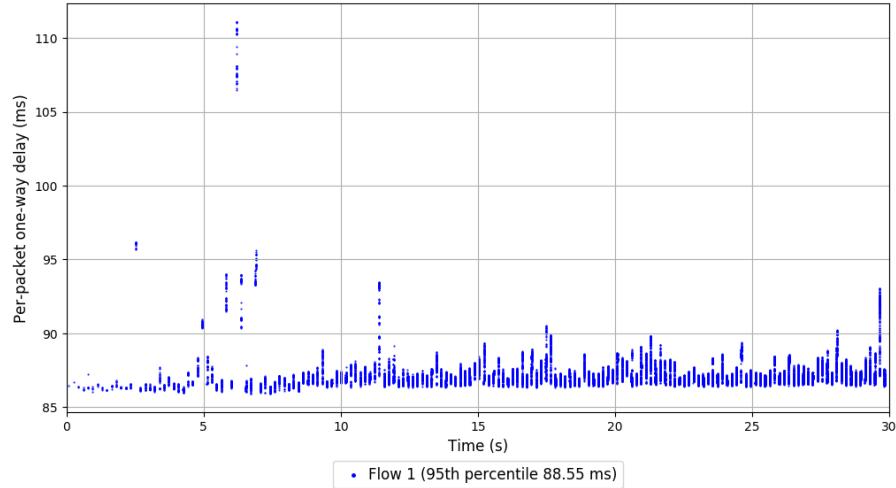
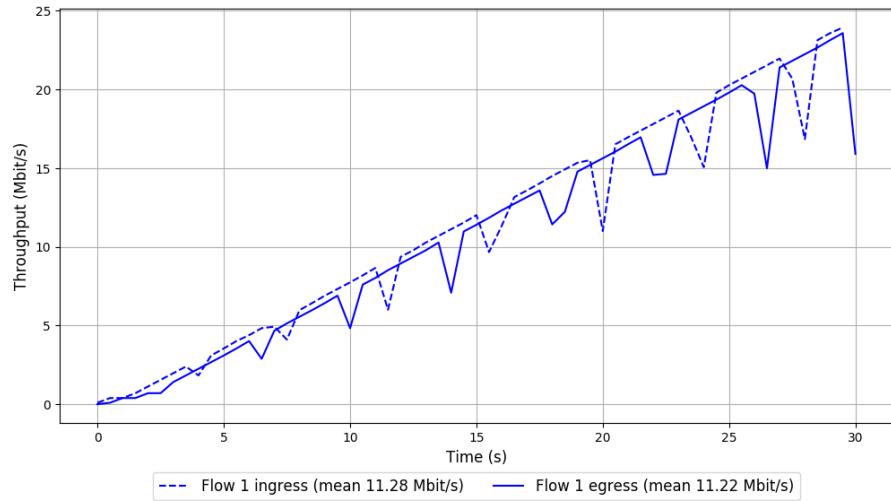


Run 1: Statistics of LEDBAT

```
Start at: 2018-06-29 23:07:27
End at: 2018-06-29 23:07:57
Local clock offset: 0.16 ms
Remote clock offset: -0.025 ms

# Below is generated by plot.py at 2018-06-30 03:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 88.548 ms
Loss rate: 1.19%
-- Flow 1:
Average throughput: 11.22 Mbit/s
95th percentile per-packet one-way delay: 88.548 ms
Loss rate: 1.19%
```

## Run 1: Report of LEDBAT — Data Link

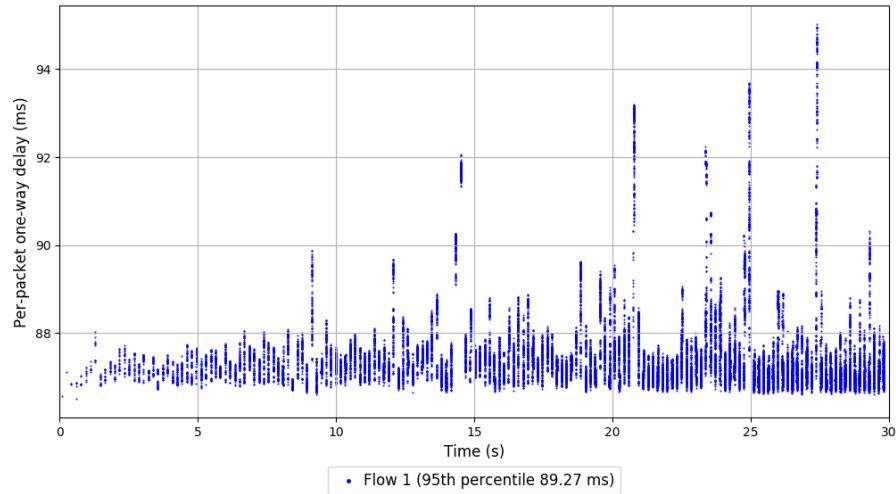
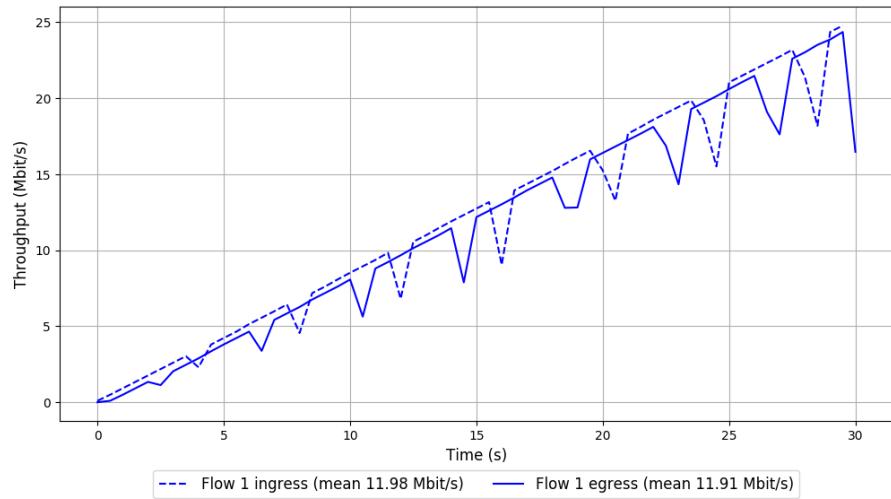


Run 2: Statistics of LEDBAT

```
Start at: 2018-06-29 23:28:22
End at: 2018-06-29 23:28:53
Local clock offset: 0.467 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-06-30 03:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.91 Mbit/s
95th percentile per-packet one-way delay: 89.265 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 11.91 Mbit/s
95th percentile per-packet one-way delay: 89.265 ms
Loss rate: 1.16%
```

## Run 2: Report of LEDBAT — Data Link

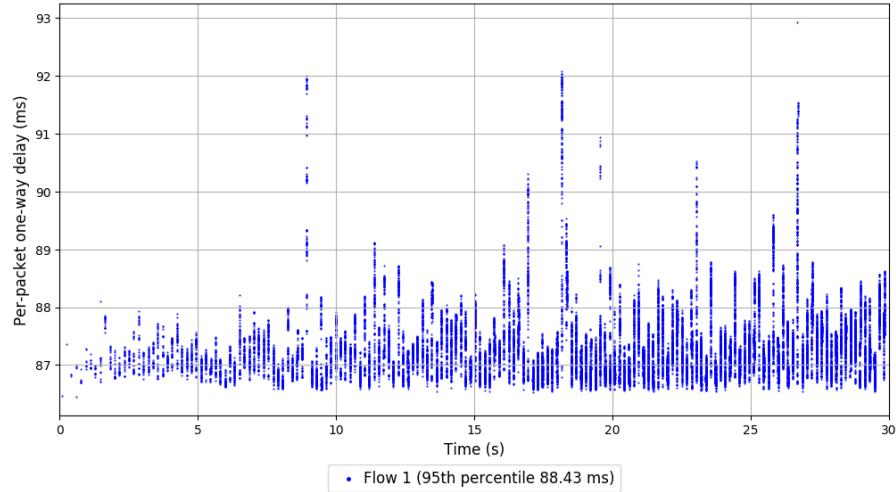
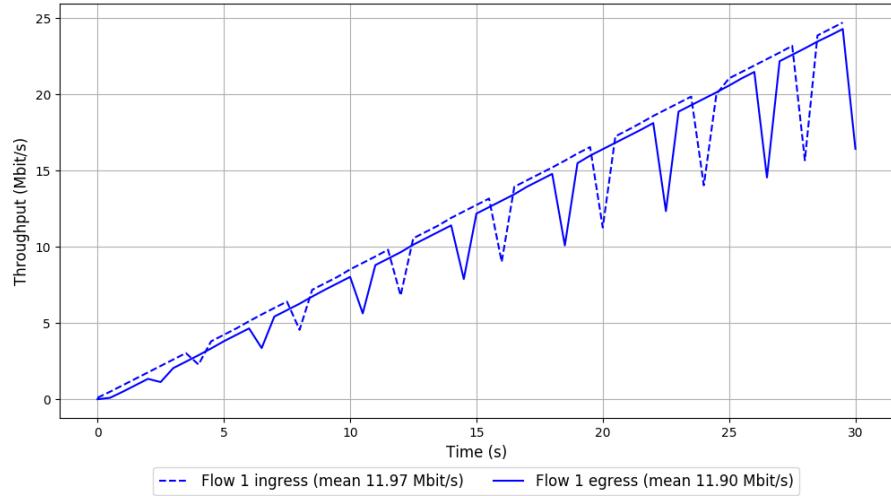


Run 3: Statistics of LEDBAT

```
Start at: 2018-06-29 23:49:30
End at: 2018-06-29 23:50:00
Local clock offset: 0.358 ms
Remote clock offset: -0.008 ms

# Below is generated by plot.py at 2018-06-30 03:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.90 Mbit/s
95th percentile per-packet one-way delay: 88.426 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 11.90 Mbit/s
95th percentile per-packet one-way delay: 88.426 ms
Loss rate: 1.16%
```

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

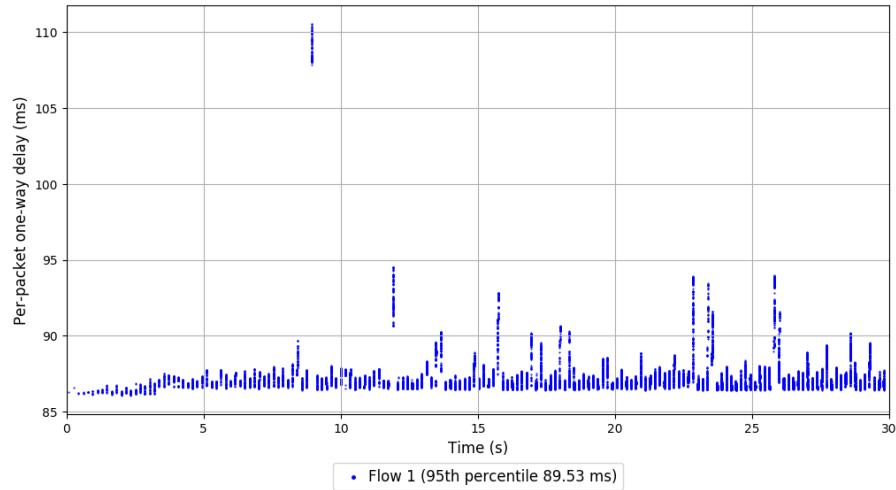
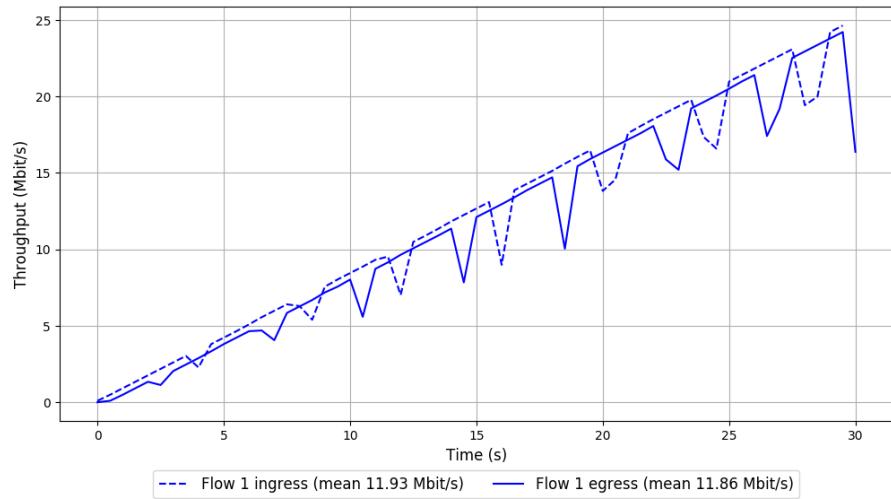


Run 4: Statistics of LEDBAT

```
Start at: 2018-06-30 00:10:23
End at: 2018-06-30 00:10:53
Local clock offset: 0.234 ms
Remote clock offset: 0.074 ms

# Below is generated by plot.py at 2018-06-30 03:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.86 Mbit/s
95th percentile per-packet one-way delay: 89.529 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 11.86 Mbit/s
95th percentile per-packet one-way delay: 89.529 ms
Loss rate: 1.16%
```

## Run 4: Report of LEDBAT — Data Link

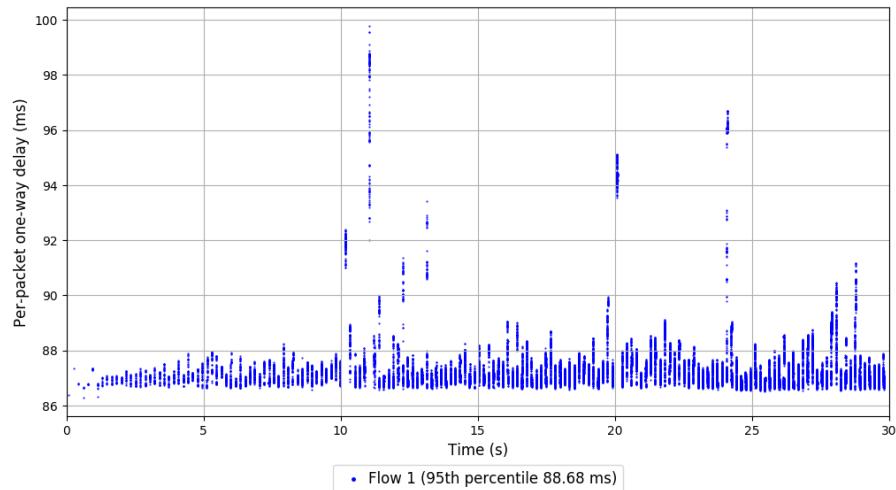
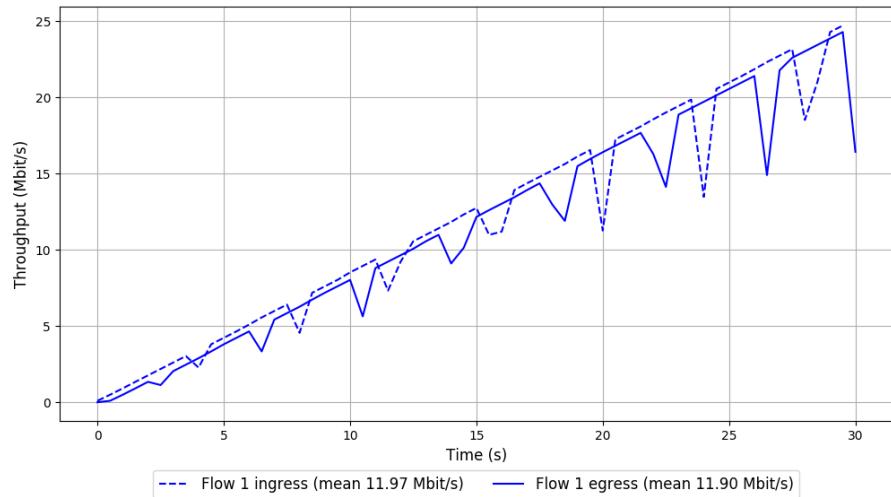


Run 5: Statistics of LEDBAT

```
Start at: 2018-06-30 00:31:38
End at: 2018-06-30 00:32:08
Local clock offset: 0.275 ms
Remote clock offset: 0.186 ms

# Below is generated by plot.py at 2018-06-30 03:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.90 Mbit/s
95th percentile per-packet one-way delay: 88.681 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 11.90 Mbit/s
95th percentile per-packet one-way delay: 88.681 ms
Loss rate: 1.16%
```

## Run 5: Report of LEDBAT — Data Link

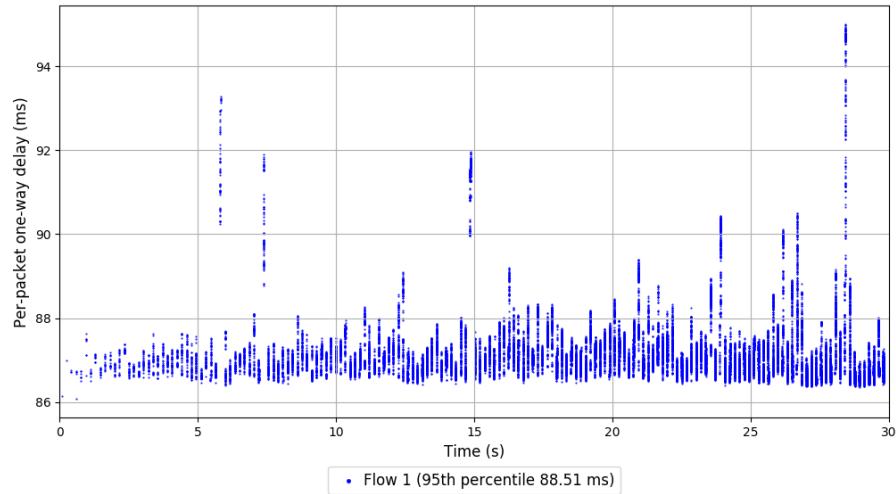
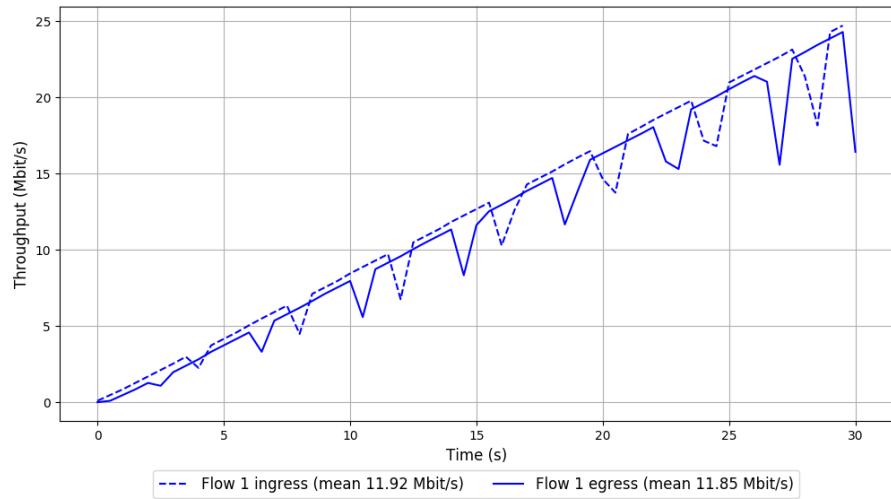


Run 6: Statistics of LEDBAT

```
Start at: 2018-06-30 00:52:39
End at: 2018-06-30 00:53:09
Local clock offset: 0.153 ms
Remote clock offset: 0.299 ms

# Below is generated by plot.py at 2018-06-30 03:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.85 Mbit/s
95th percentile per-packet one-way delay: 88.513 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 11.85 Mbit/s
95th percentile per-packet one-way delay: 88.513 ms
Loss rate: 1.16%
```

Run 6: Report of LEDBAT — Data Link

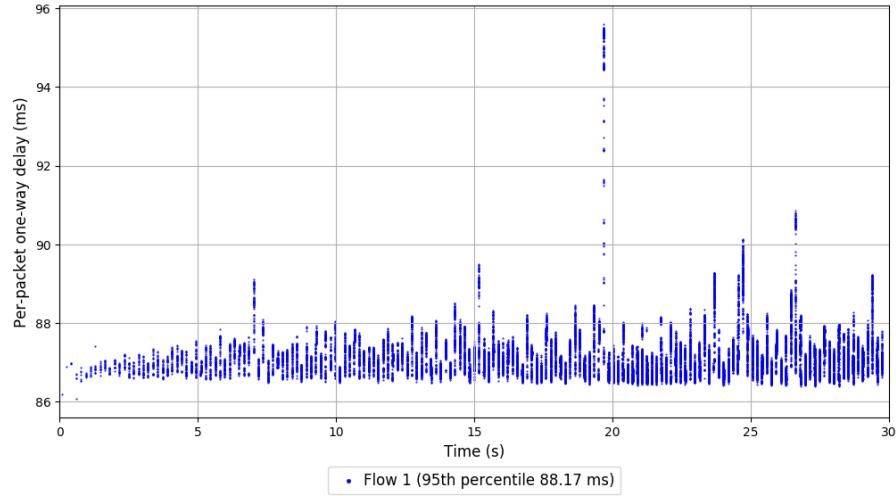
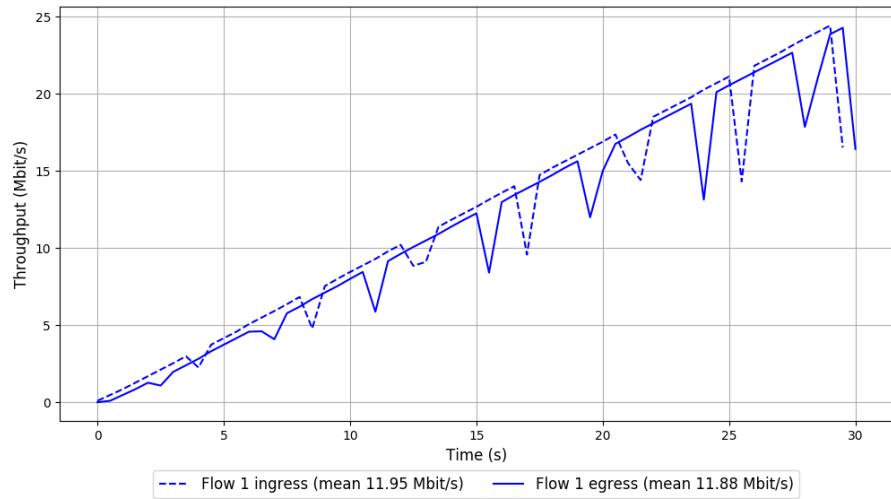


Run 7: Statistics of LEDBAT

```
Start at: 2018-06-30 01:13:41
End at: 2018-06-30 01:14:11
Local clock offset: 0.127 ms
Remote clock offset: 0.217 ms

# Below is generated by plot.py at 2018-06-30 03:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 88.166 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 11.88 Mbit/s
95th percentile per-packet one-way delay: 88.166 ms
Loss rate: 1.16%
```

Run 7: Report of LEDBAT — Data Link

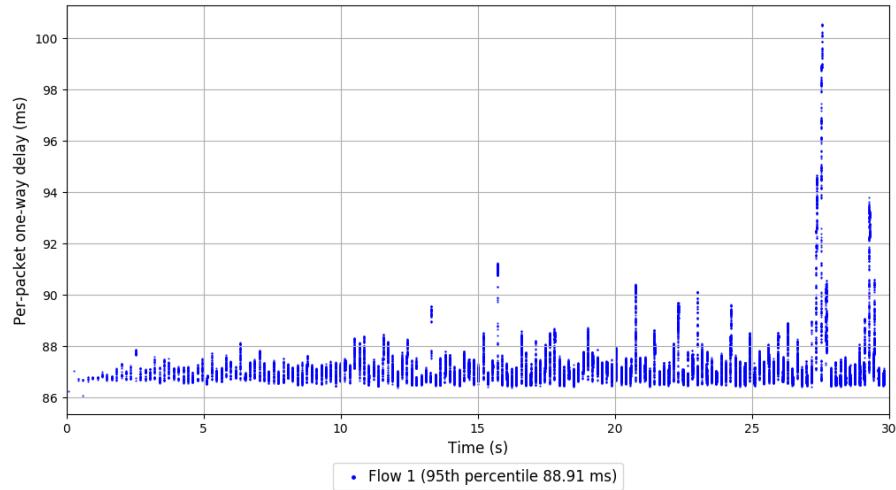
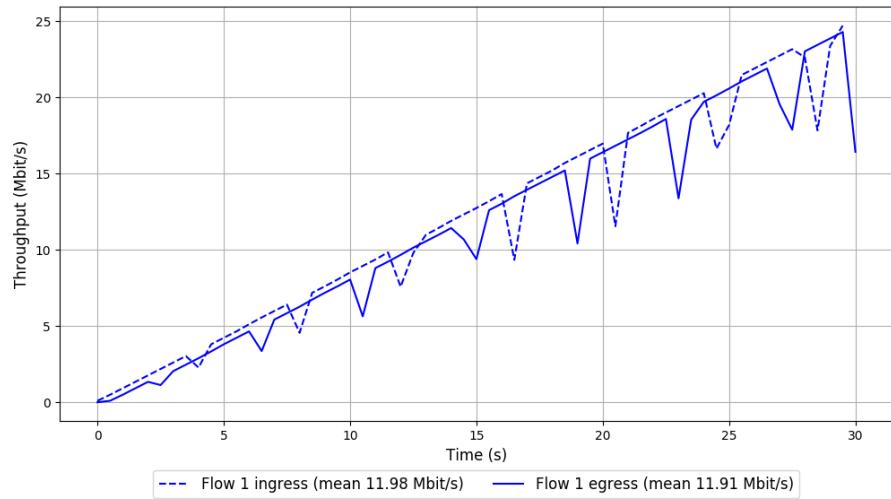


Run 8: Statistics of LEDBAT

```
Start at: 2018-06-30 01:34:48
End at: 2018-06-30 01:35:18
Local clock offset: 0.239 ms
Remote clock offset: 0.045 ms

# Below is generated by plot.py at 2018-06-30 03:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.91 Mbit/s
95th percentile per-packet one-way delay: 88.910 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 11.91 Mbit/s
95th percentile per-packet one-way delay: 88.910 ms
Loss rate: 1.16%
```

Run 8: Report of LEDBAT — Data Link

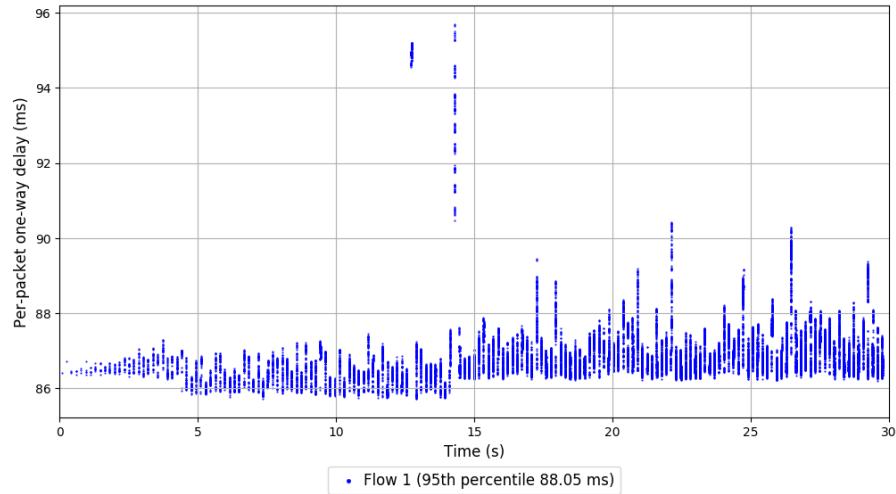
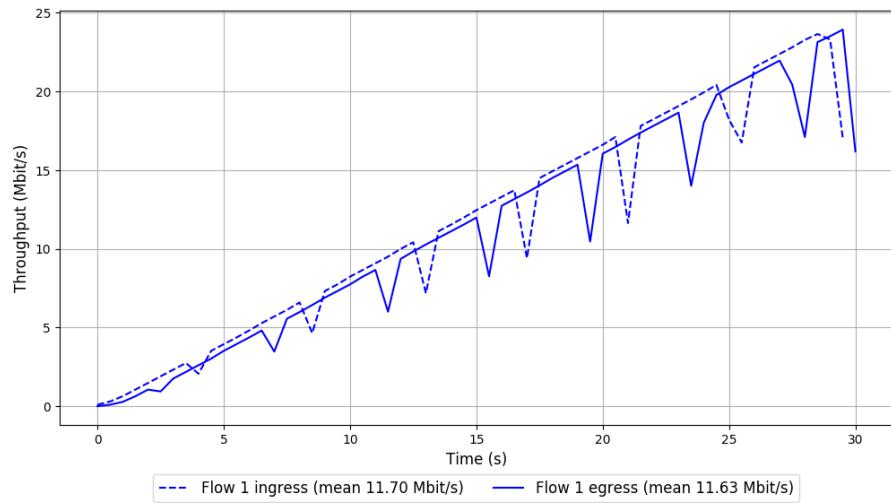


Run 9: Statistics of LEDBAT

```
Start at: 2018-06-30 01:55:51
End at: 2018-06-30 01:56:21
Local clock offset: 0.069 ms
Remote clock offset: 0.012 ms

# Below is generated by plot.py at 2018-06-30 03:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.63 Mbit/s
95th percentile per-packet one-way delay: 88.045 ms
Loss rate: 1.17%
-- Flow 1:
Average throughput: 11.63 Mbit/s
95th percentile per-packet one-way delay: 88.045 ms
Loss rate: 1.17%
```

Run 9: Report of LEDBAT — Data Link

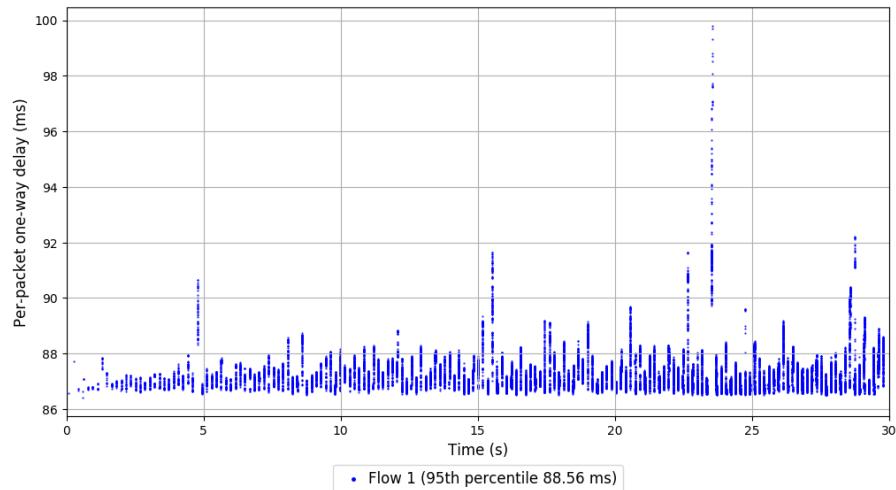
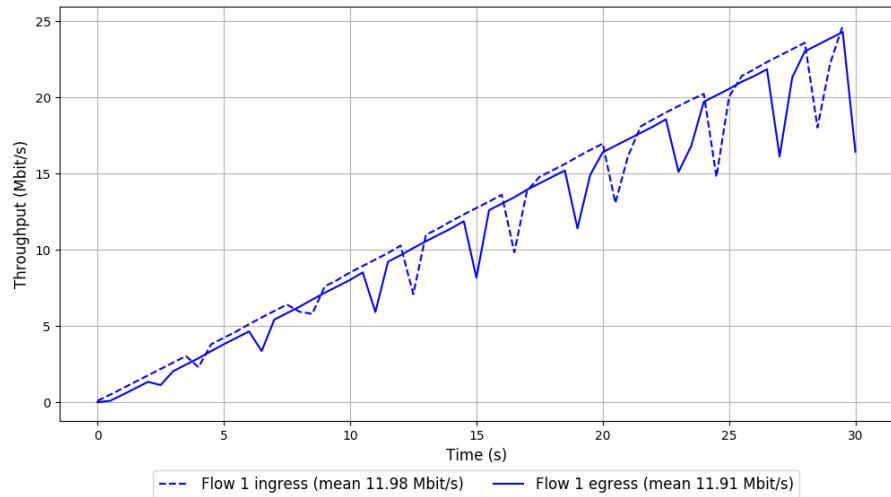


Run 10: Statistics of LEDBAT

```
Start at: 2018-06-30 02:16:56
End at: 2018-06-30 02:17:26
Local clock offset: 0.379 ms
Remote clock offset: -0.046 ms

# Below is generated by plot.py at 2018-06-30 03:07:22
# Datalink statistics
-- Total of 1 flow:
Average throughput: 11.91 Mbit/s
95th percentile per-packet one-way delay: 88.558 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 11.91 Mbit/s
95th percentile per-packet one-way delay: 88.558 ms
Loss rate: 1.16%
```

## Run 10: Report of LEDBAT — Data Link

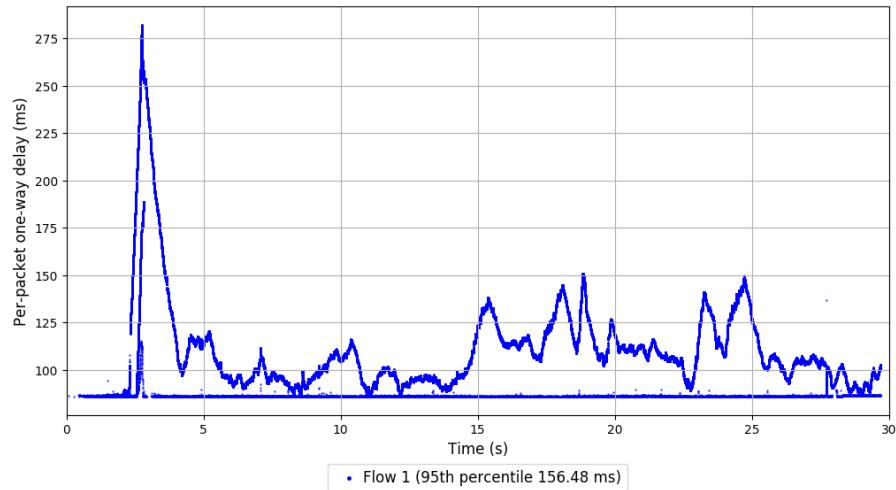
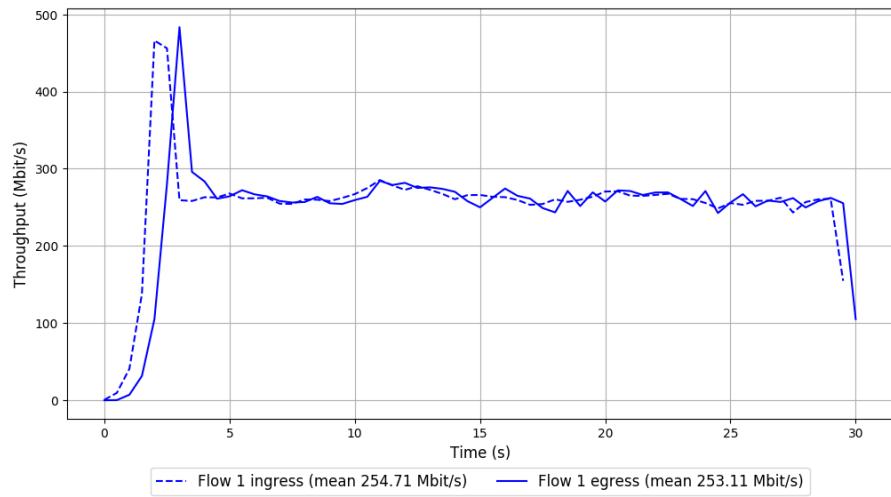


```
Run 1: Statistics of PCC-Allegro
```

```
Start at: 2018-06-29 23:23:27
End at: 2018-06-29 23:23:57
Local clock offset: 0.16 ms
Remote clock offset: -0.078 ms

# Below is generated by plot.py at 2018-06-30 03:08:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 253.11 Mbit/s
95th percentile per-packet one-way delay: 156.483 ms
Loss rate: 1.21%
-- Flow 1:
Average throughput: 253.11 Mbit/s
95th percentile per-packet one-way delay: 156.483 ms
Loss rate: 1.21%
```

Run 1: Report of PCC-Allegro — Data Link

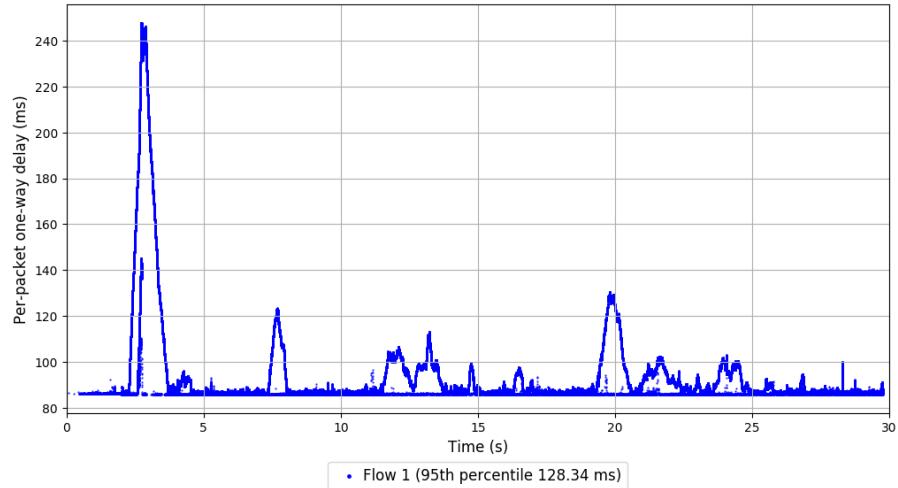
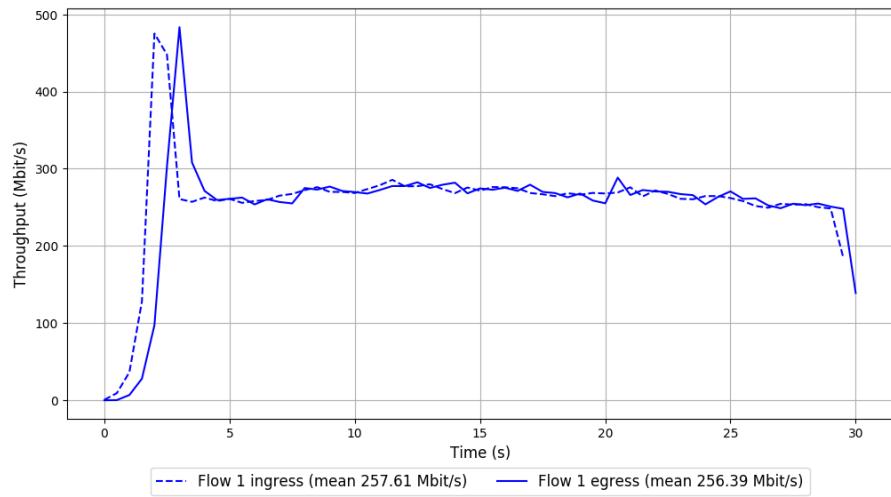


Run 2: Statistics of PCC-Allegro

```
Start at: 2018-06-29 23:44:34
End at: 2018-06-29 23:45:04
Local clock offset: -0.038 ms
Remote clock offset: 0.005 ms

# Below is generated by plot.py at 2018-06-30 03:09:00
# Datalink statistics
-- Total of 1 flow:
Average throughput: 256.39 Mbit/s
95th percentile per-packet one-way delay: 128.338 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 256.39 Mbit/s
95th percentile per-packet one-way delay: 128.338 ms
Loss rate: 1.05%
```

Run 2: Report of PCC-Allegro — Data Link

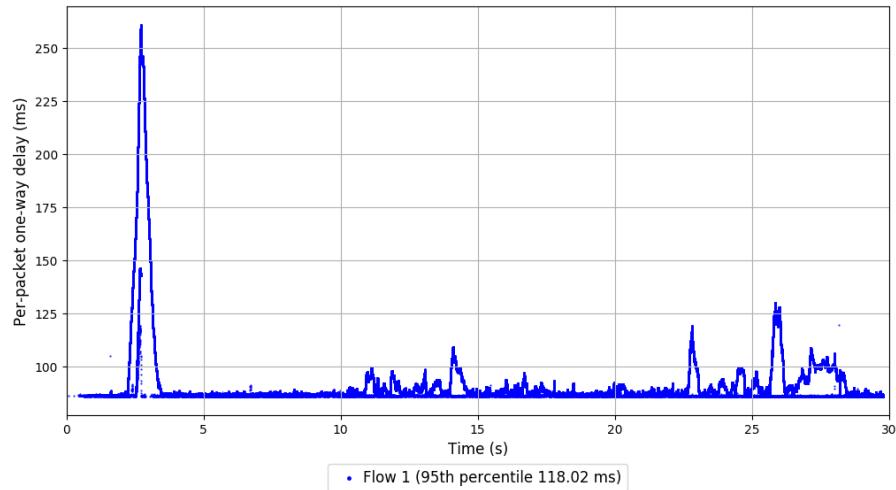
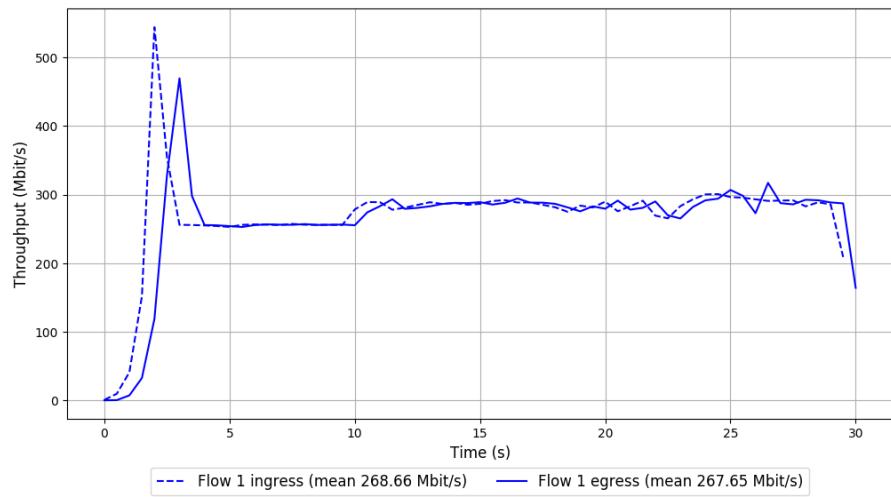


Run 3: Statistics of PCC-Allegro

```
Start at: 2018-06-30 00:05:31
End at: 2018-06-30 00:06:01
Local clock offset: 0.107 ms
Remote clock offset: 0.03 ms

# Below is generated by plot.py at 2018-06-30 03:09:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 267.65 Mbit/s
95th percentile per-packet one-way delay: 118.020 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 267.65 Mbit/s
95th percentile per-packet one-way delay: 118.020 ms
Loss rate: 0.95%
```

Run 3: Report of PCC-Allegro — Data Link

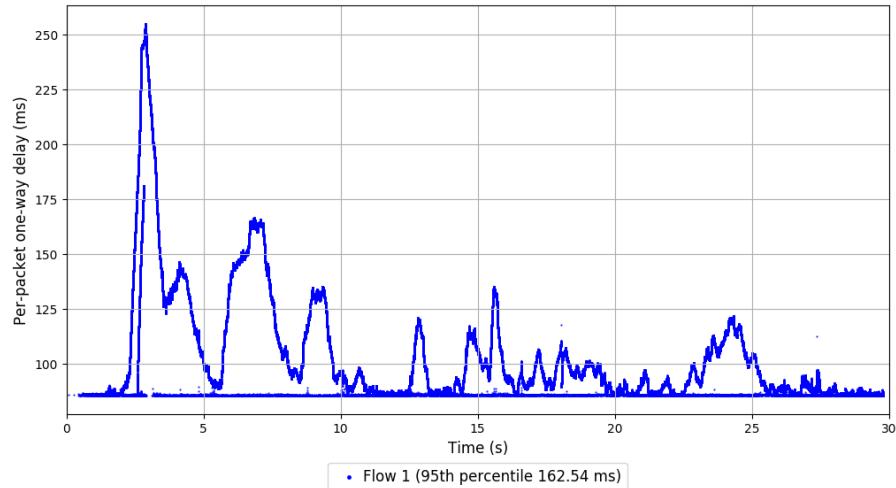
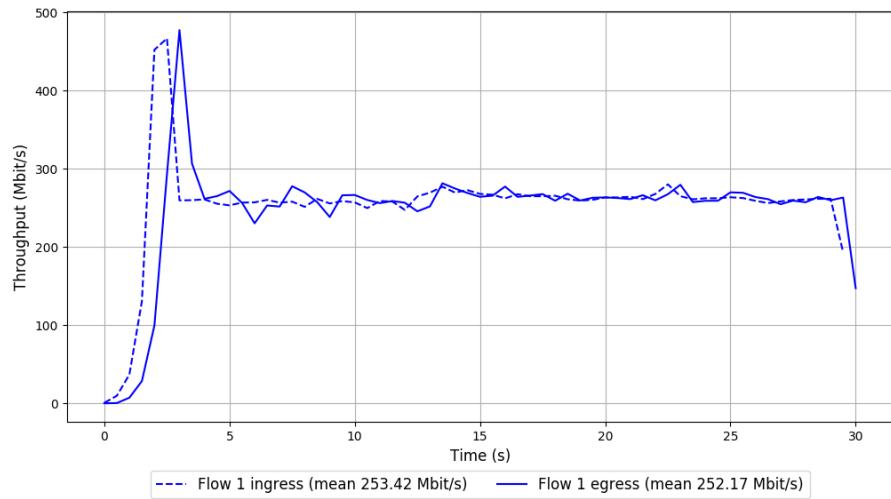


Run 4: Statistics of PCC-Allegro

```
Start at: 2018-06-30 00:26:45
End at: 2018-06-30 00:27:15
Local clock offset: -0.129 ms
Remote clock offset: 0.149 ms

# Below is generated by plot.py at 2018-06-30 03:09:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 252.17 Mbit/s
95th percentile per-packet one-way delay: 162.541 ms
Loss rate: 1.07%
-- Flow 1:
Average throughput: 252.17 Mbit/s
95th percentile per-packet one-way delay: 162.541 ms
Loss rate: 1.07%
```

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

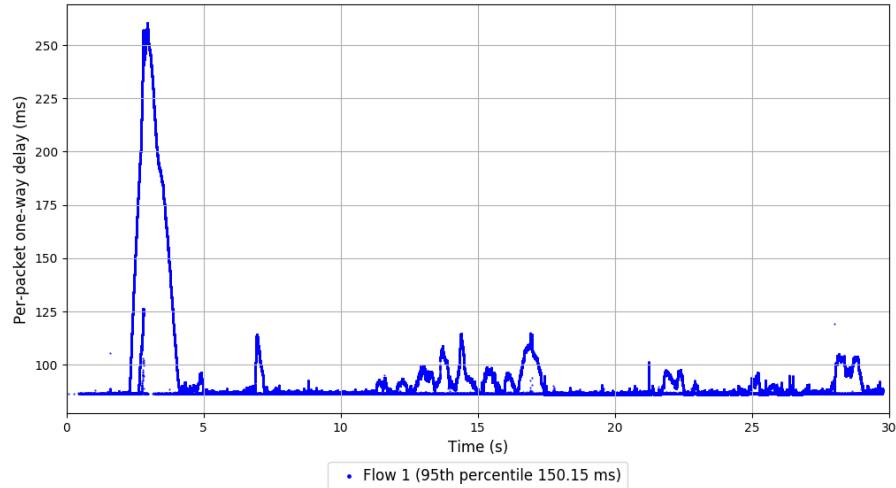
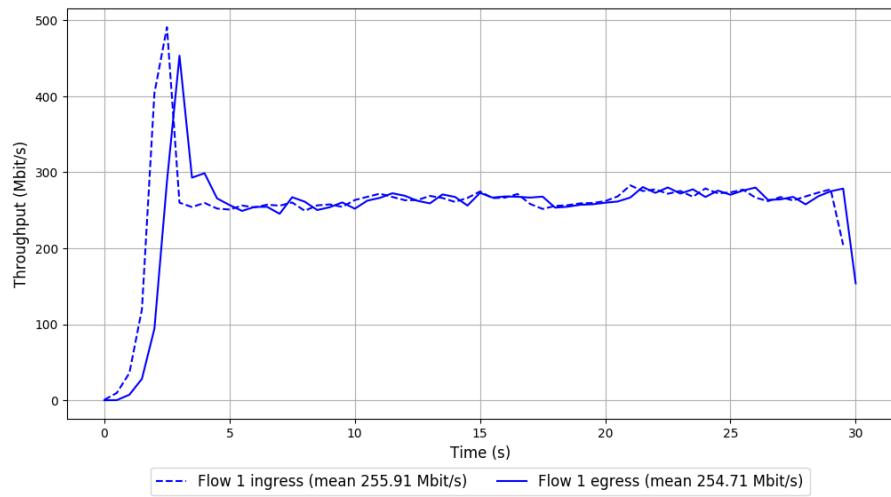


Run 5: Statistics of PCC-Allegro

```
Start at: 2018-06-30 00:47:49
End at: 2018-06-30 00:48:19
Local clock offset: -0.06 ms
Remote clock offset: 0.267 ms

# Below is generated by plot.py at 2018-06-30 03:10:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 254.71 Mbit/s
95th percentile per-packet one-way delay: 150.152 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 254.71 Mbit/s
95th percentile per-packet one-way delay: 150.152 ms
Loss rate: 1.05%
```

Run 5: Report of PCC-Allegro — Data Link

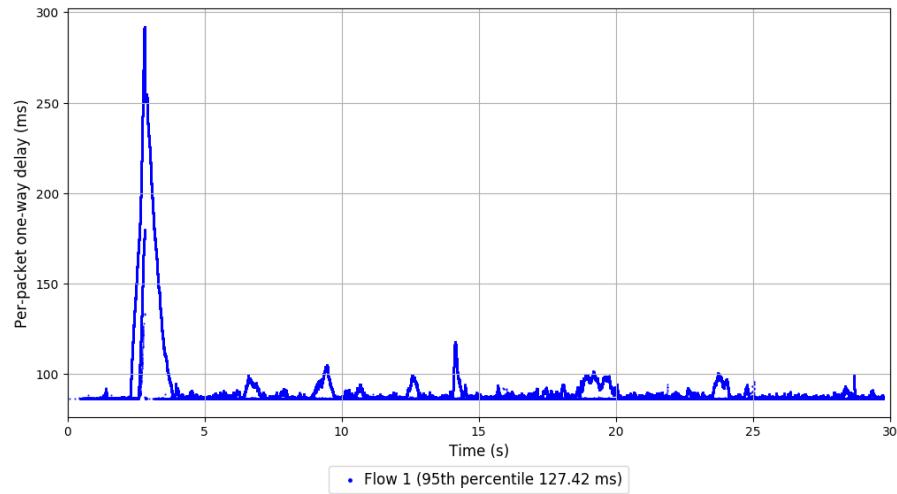
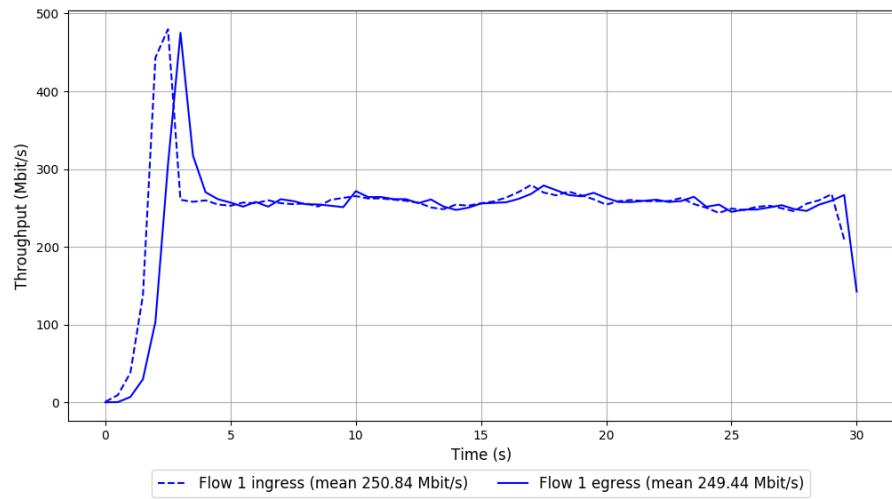


Run 6: Statistics of PCC-Allegro

```
Start at: 2018-06-30 01:08:50
End at: 2018-06-30 01:09:20
Local clock offset: 0.125 ms
Remote clock offset: 0.286 ms

# Below is generated by plot.py at 2018-06-30 03:10:34
# Datalink statistics
-- Total of 1 flow:
Average throughput: 249.44 Mbit/s
95th percentile per-packet one-way delay: 127.422 ms
Loss rate: 1.23%
-- Flow 1:
Average throughput: 249.44 Mbit/s
95th percentile per-packet one-way delay: 127.422 ms
Loss rate: 1.23%
```

Run 6: Report of PCC-Allegro — Data Link

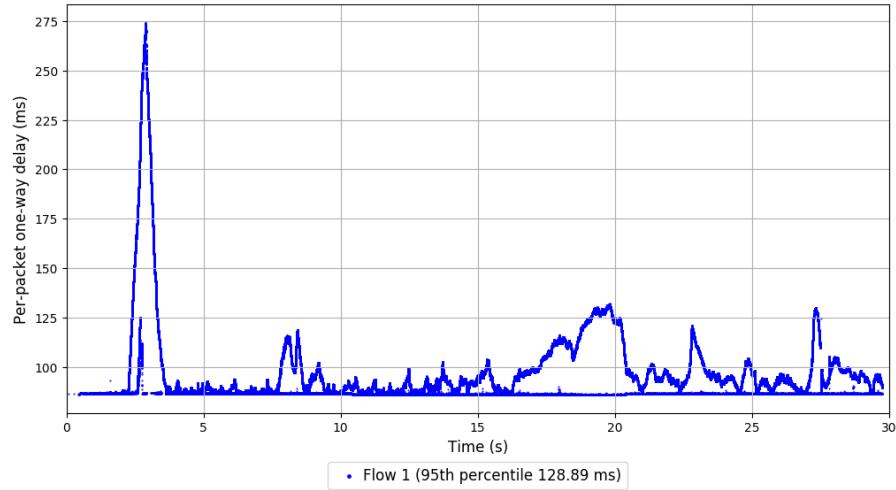
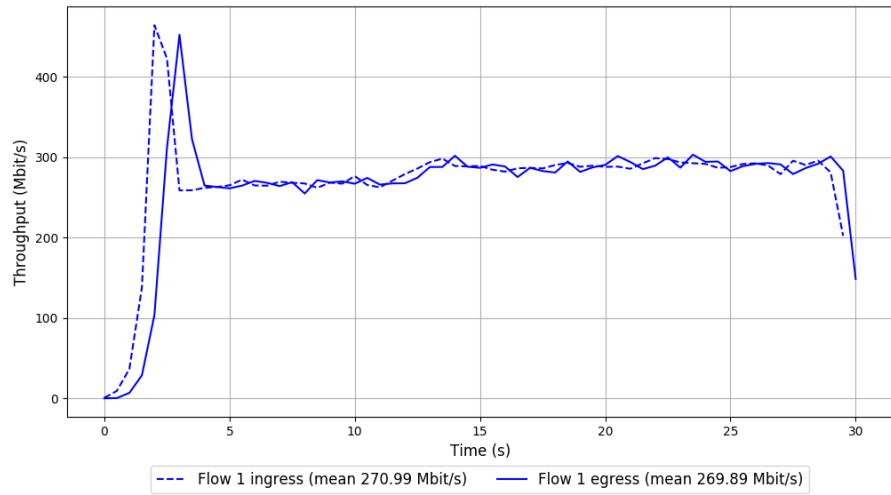


Run 7: Statistics of PCC-Allegro

```
Start at: 2018-06-30 01:29:55
End at: 2018-06-30 01:30:25
Local clock offset: 0.323 ms
Remote clock offset: 0.057 ms

# Below is generated by plot.py at 2018-06-30 03:11:24
# Datalink statistics
-- Total of 1 flow:
Average throughput: 269.89 Mbit/s
95th percentile per-packet one-way delay: 128.886 ms
Loss rate: 0.98%
-- Flow 1:
Average throughput: 269.89 Mbit/s
95th percentile per-packet one-way delay: 128.886 ms
Loss rate: 0.98%
```

Run 7: Report of PCC-Allegro — Data Link

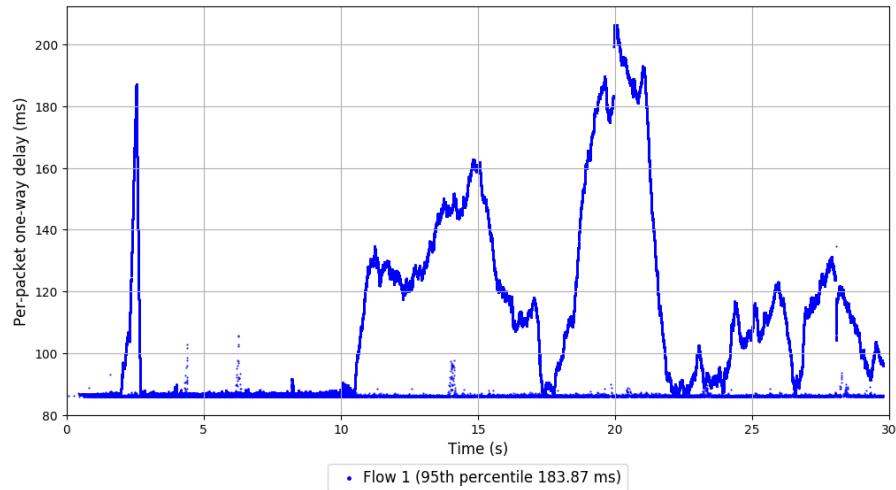
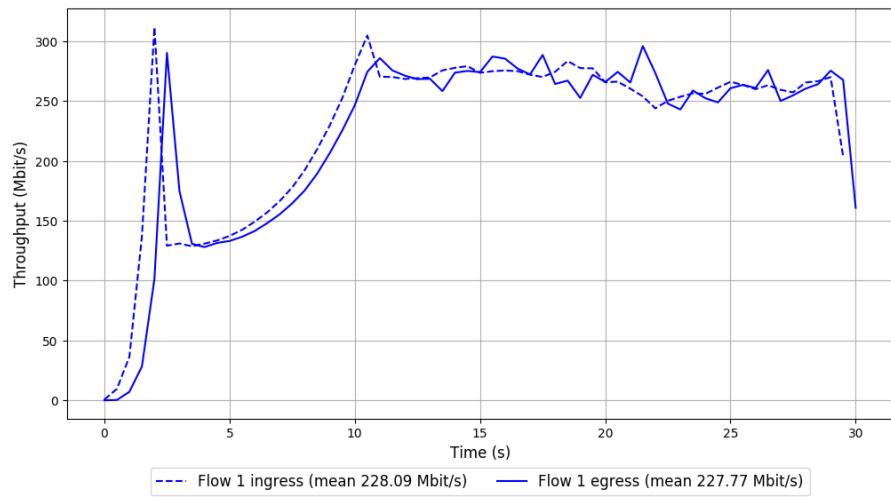


Run 8: Statistics of PCC-Allegro

```
Start at: 2018-06-30 01:51:10
End at: 2018-06-30 01:51:40
Local clock offset: 0.325 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-06-30 03:11:48
# Datalink statistics
-- Total of 1 flow:
Average throughput: 227.77 Mbit/s
95th percentile per-packet one-way delay: 183.873 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 227.77 Mbit/s
95th percentile per-packet one-way delay: 183.873 ms
Loss rate: 0.72%
```

Run 8: Report of PCC-Allegro — Data Link

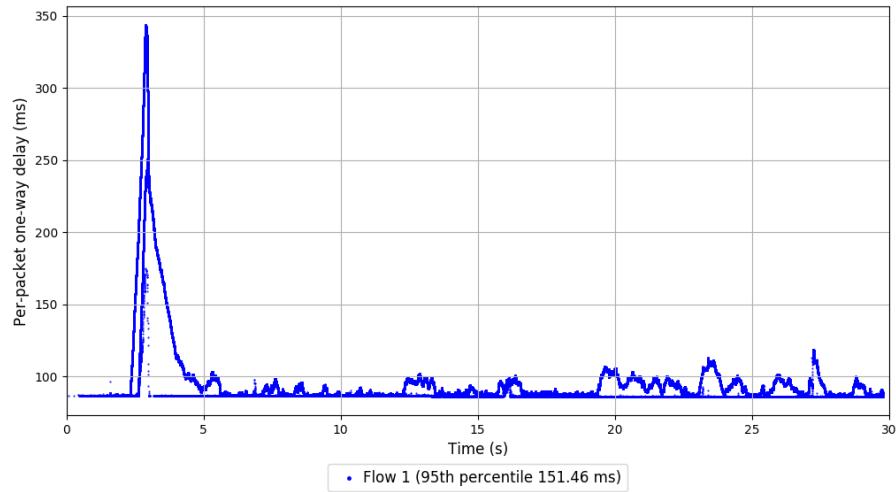
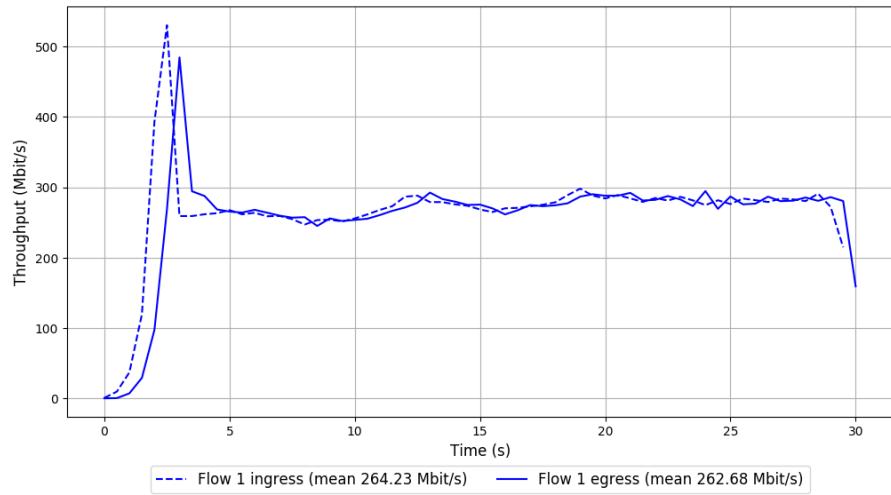


Run 9: Statistics of PCC-Allegro

```
Start at: 2018-06-30 02:12:02
End at: 2018-06-30 02:12:32
Local clock offset: 0.274 ms
Remote clock offset: -0.105 ms

# Below is generated by plot.py at 2018-06-30 03:13:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 262.68 Mbit/s
95th percentile per-packet one-way delay: 151.458 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 262.68 Mbit/s
95th percentile per-packet one-way delay: 151.458 ms
Loss rate: 1.16%
```

Run 9: Report of PCC-Allegro — Data Link

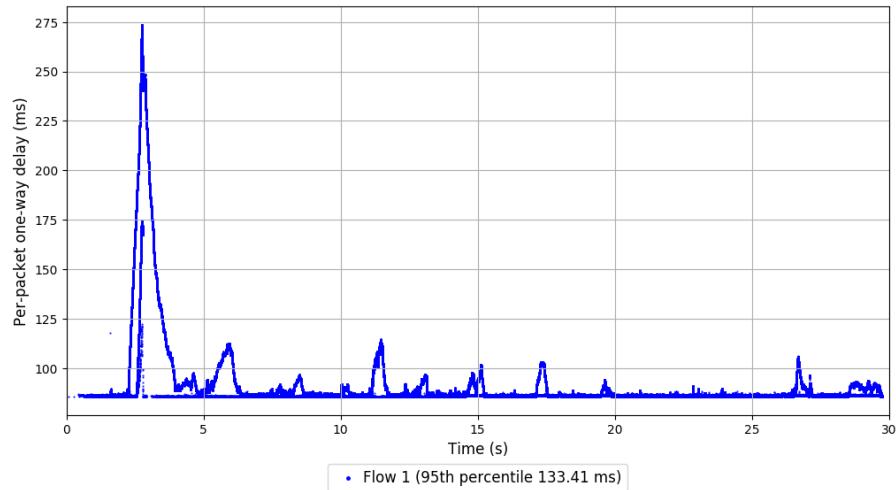
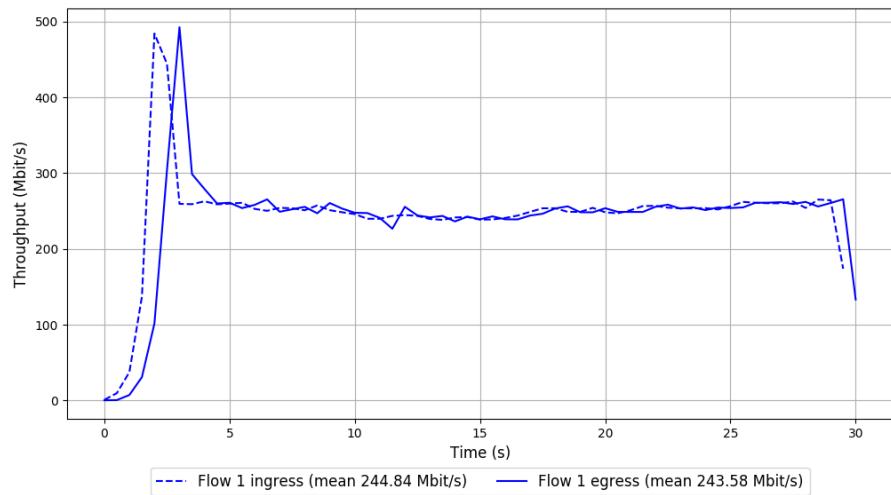


Run 10: Statistics of PCC-Allegro

```
Start at: 2018-06-30 02:32:51
End at: 2018-06-30 02:33:21
Local clock offset: -0.022 ms
Remote clock offset: -0.057 ms

# Below is generated by plot.py at 2018-06-30 03:13:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 243.58 Mbit/s
95th percentile per-packet one-way delay: 133.414 ms
Loss rate: 1.09%
-- Flow 1:
Average throughput: 243.58 Mbit/s
95th percentile per-packet one-way delay: 133.414 ms
Loss rate: 1.09%
```

Run 10: Report of PCC-Allegro — Data Link

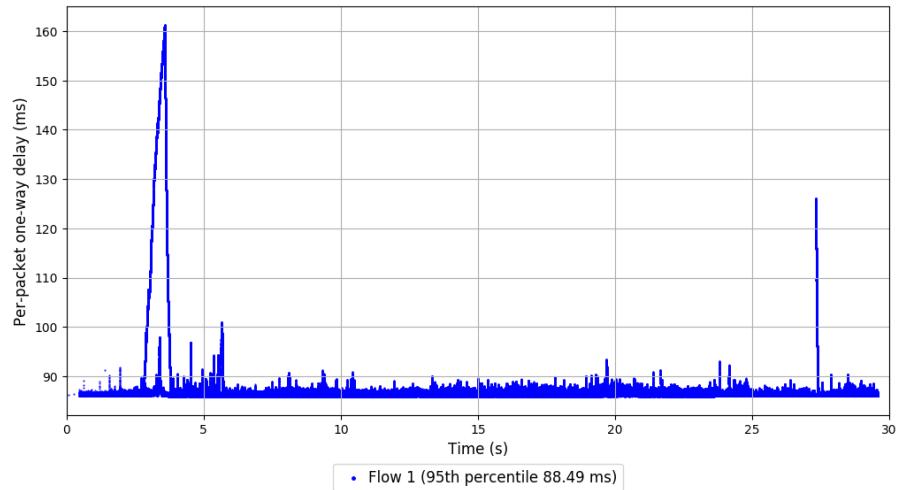
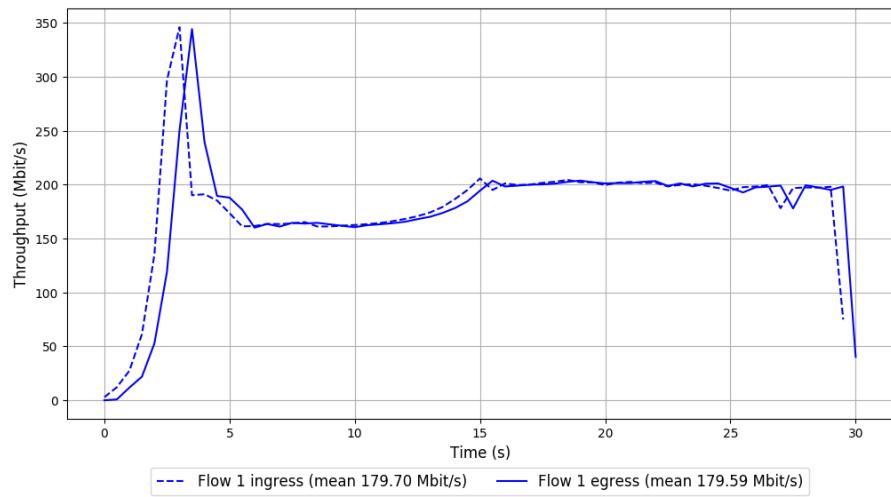


Run 1: Statistics of PCC-Expr

```
Start at: 2018-06-29 23:09:42
End at: 2018-06-29 23:10:12
Local clock offset: 0.254 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2018-06-30 03:15:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 179.59 Mbit/s
95th percentile per-packet one-way delay: 88.487 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 179.59 Mbit/s
95th percentile per-packet one-way delay: 88.487 ms
Loss rate: 0.65%
```

Run 1: Report of PCC-Expr — Data Link

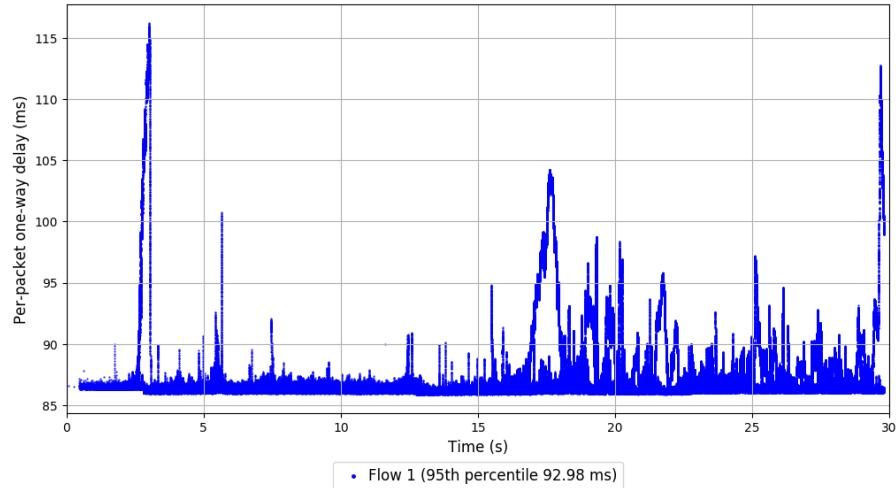
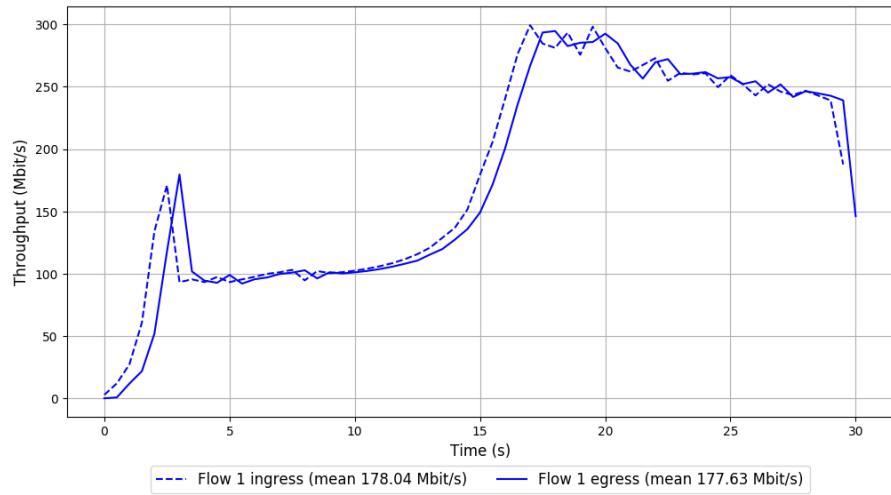


Run 2: Statistics of PCC-Expr

```
Start at: 2018-06-29 23:30:43
End at: 2018-06-29 23:31:13
Local clock offset: 0.202 ms
Remote clock offset: -0.045 ms

# Below is generated by plot.py at 2018-06-30 03:15:36
# Datalink statistics
-- Total of 1 flow:
Average throughput: 177.63 Mbit/s
95th percentile per-packet one-way delay: 92.983 ms
Loss rate: 0.81%
-- Flow 1:
Average throughput: 177.63 Mbit/s
95th percentile per-packet one-way delay: 92.983 ms
Loss rate: 0.81%
```

## Run 2: Report of PCC-Expr — Data Link

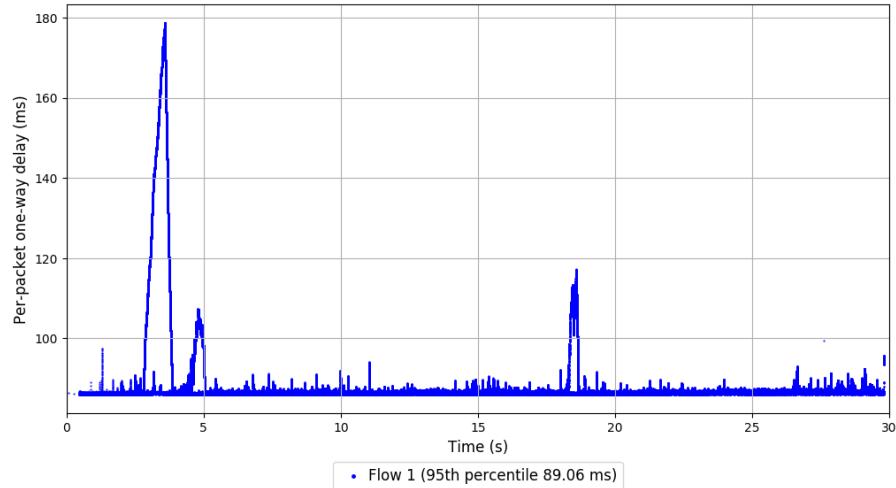
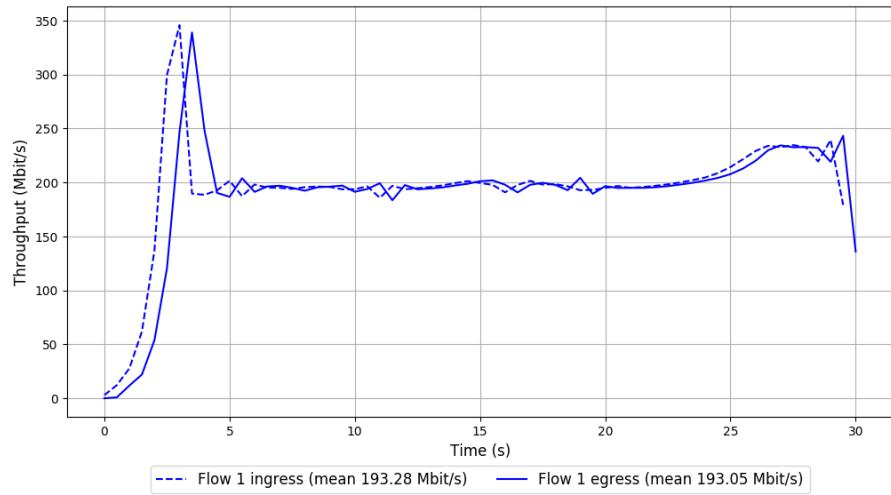


Run 3: Statistics of PCC-Expr

```
Start at: 2018-06-29 23:51:56
End at: 2018-06-29 23:52:26
Local clock offset: 0.186 ms
Remote clock offset: 0.052 ms

# Below is generated by plot.py at 2018-06-30 03:17:12
# Datalink statistics
-- Total of 1 flow:
Average throughput: 193.05 Mbit/s
95th percentile per-packet one-way delay: 89.061 ms
Loss rate: 0.70%
-- Flow 1:
Average throughput: 193.05 Mbit/s
95th percentile per-packet one-way delay: 89.061 ms
Loss rate: 0.70%
```

Run 3: Report of PCC-Expr — Data Link

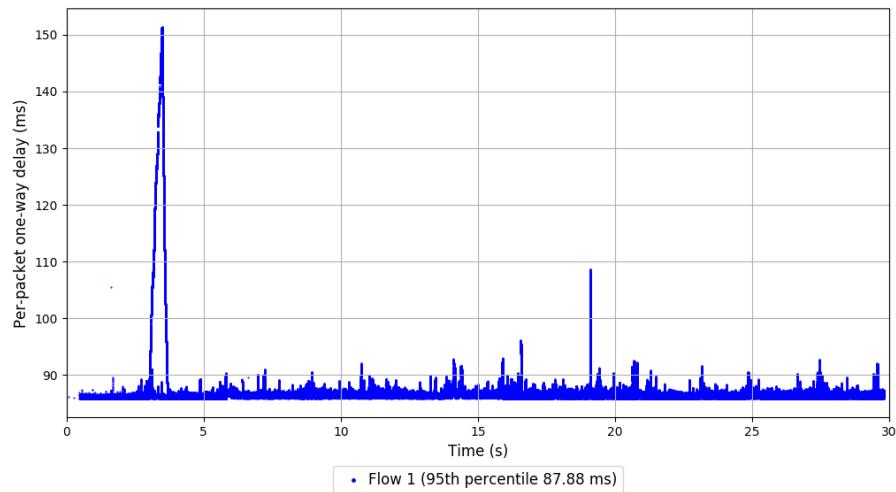
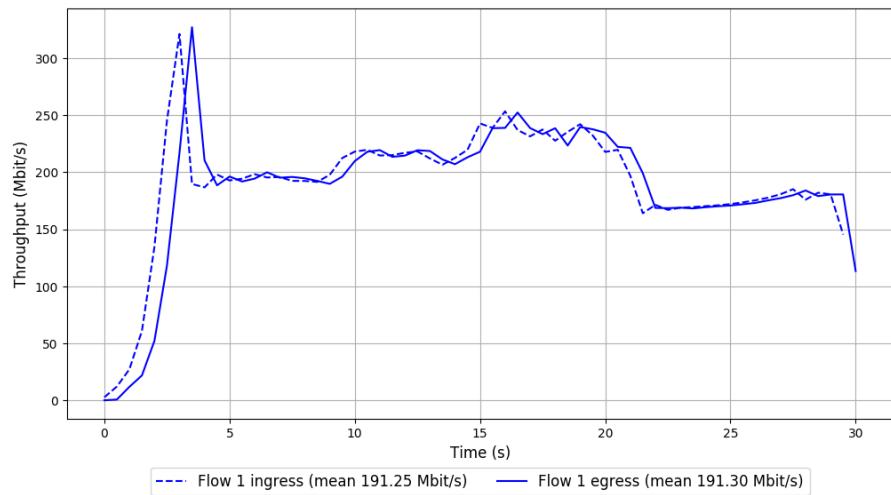


Run 4: Statistics of PCC-Expr

```
Start at: 2018-06-30 00:12:50
End at: 2018-06-30 00:13:20
Local clock offset: 0.108 ms
Remote clock offset: 0.091 ms

# Below is generated by plot.py at 2018-06-30 03:17:14
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.30 Mbit/s
95th percentile per-packet one-way delay: 87.884 ms
Loss rate: 0.55%
-- Flow 1:
Average throughput: 191.30 Mbit/s
95th percentile per-packet one-way delay: 87.884 ms
Loss rate: 0.55%
```

Run 4: Report of PCC-Expr — Data Link

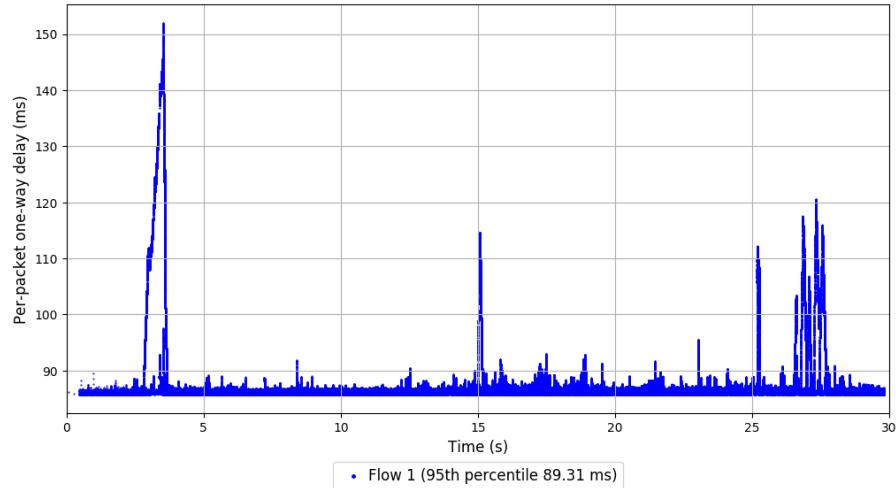
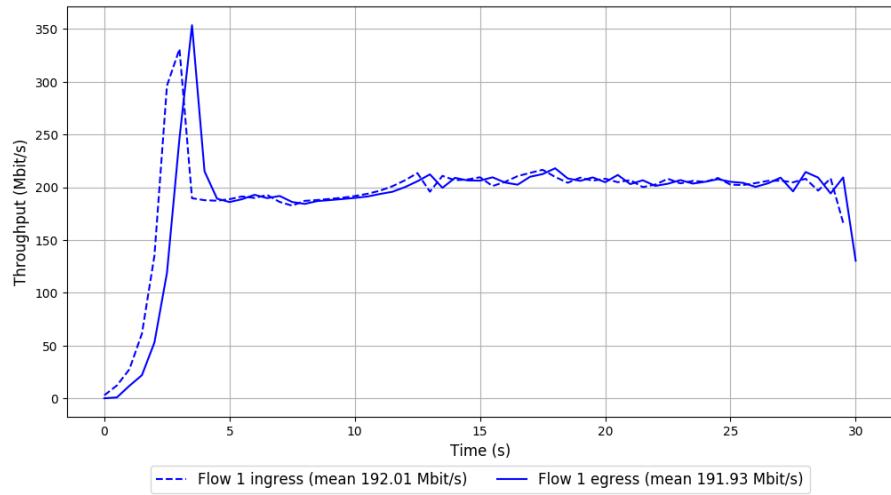


Run 5: Statistics of PCC-Expr

```
Start at: 2018-06-30 00:34:04
End at: 2018-06-30 00:34:34
Local clock offset: -0.001 ms
Remote clock offset: 0.212 ms

# Below is generated by plot.py at 2018-06-30 03:18:02
# Datalink statistics
-- Total of 1 flow:
Average throughput: 191.93 Mbit/s
95th percentile per-packet one-way delay: 89.312 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 191.93 Mbit/s
95th percentile per-packet one-way delay: 89.312 ms
Loss rate: 0.62%
```

Run 5: Report of PCC-Expr — Data Link

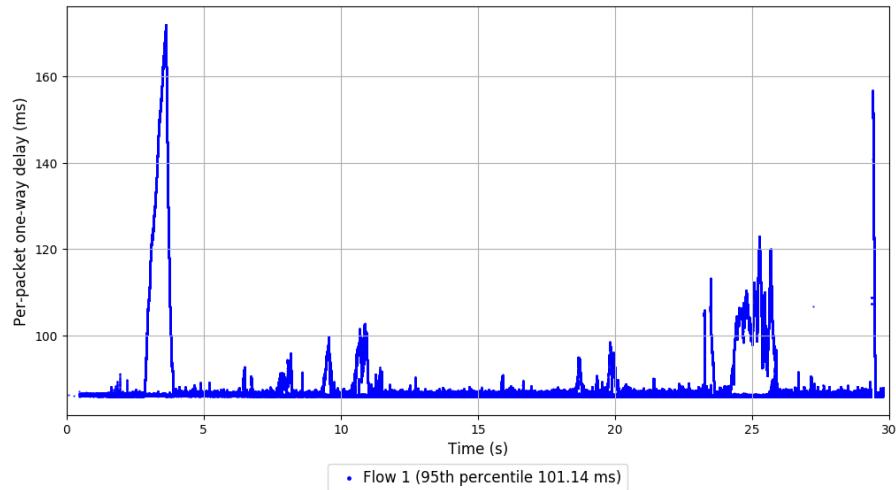
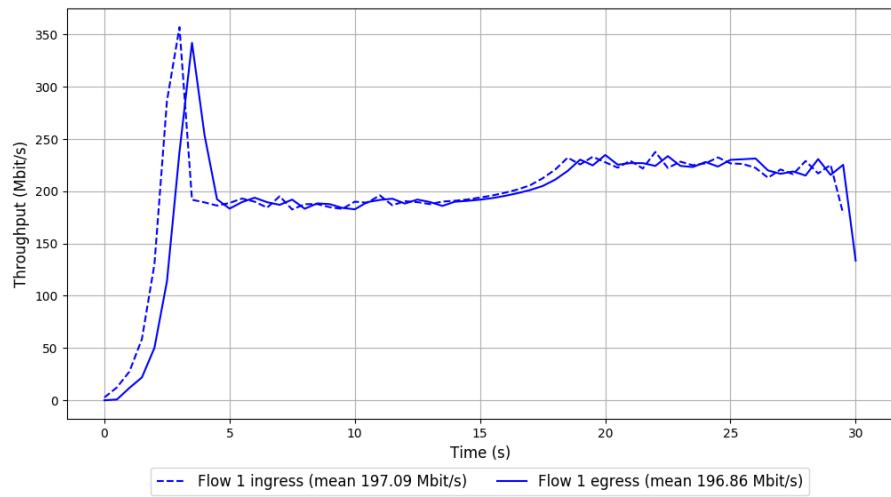


Run 6: Statistics of PCC-Expr

```
Start at: 2018-06-30 00:55:06
End at: 2018-06-30 00:55:36
Local clock offset: 0.097 ms
Remote clock offset: 0.25 ms

# Below is generated by plot.py at 2018-06-30 03:19:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 196.86 Mbit/s
95th percentile per-packet one-way delay: 101.145 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 196.86 Mbit/s
95th percentile per-packet one-way delay: 101.145 ms
Loss rate: 0.71%
```

Run 6: Report of PCC-Expr — Data Link

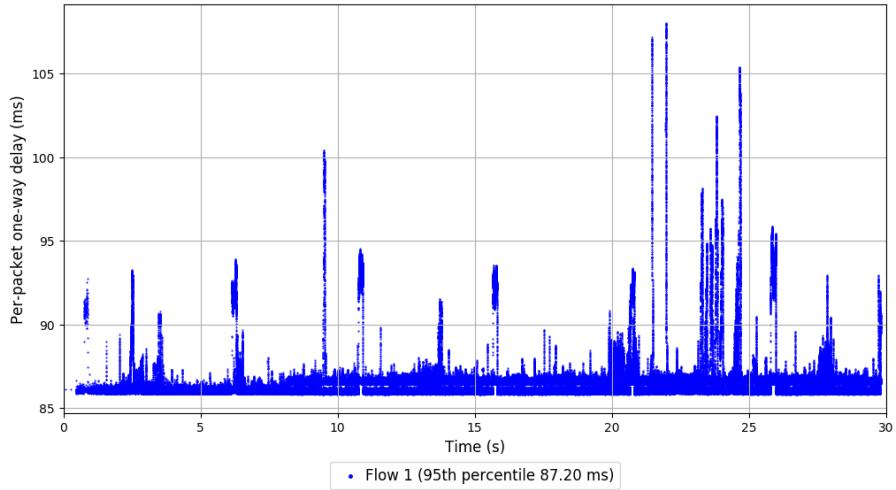
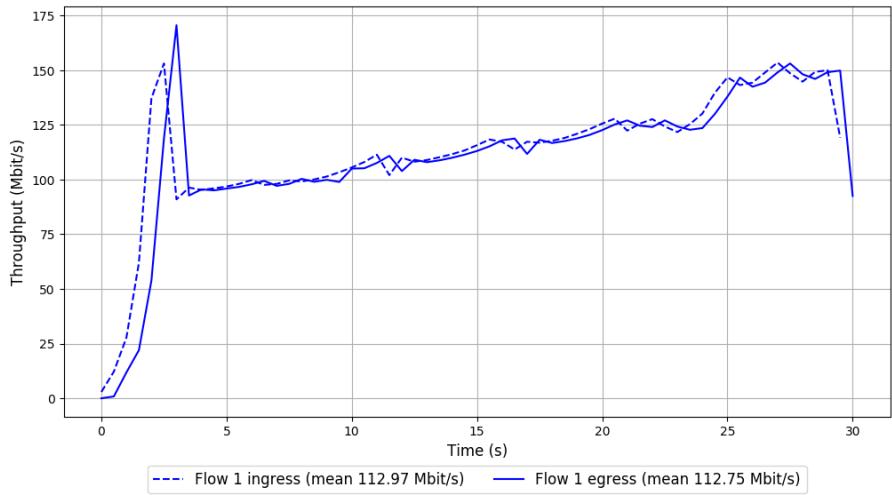


Run 7: Statistics of PCC-Expr

```
Start at: 2018-06-30 01:16:08
End at: 2018-06-30 01:16:38
Local clock offset: 0.247 ms
Remote clock offset: 0.269 ms

# Below is generated by plot.py at 2018-06-30 03:19:04
# Datalink statistics
-- Total of 1 flow:
Average throughput: 112.75 Mbit/s
95th percentile per-packet one-way delay: 87.204 ms
Loss rate: 0.78%
-- Flow 1:
Average throughput: 112.75 Mbit/s
95th percentile per-packet one-way delay: 87.204 ms
Loss rate: 0.78%
```

Run 7: Report of PCC-Expr — Data Link

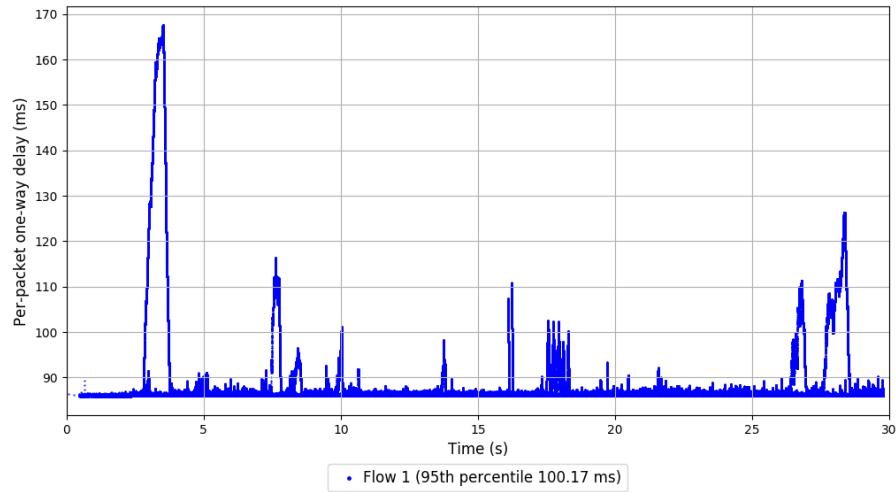
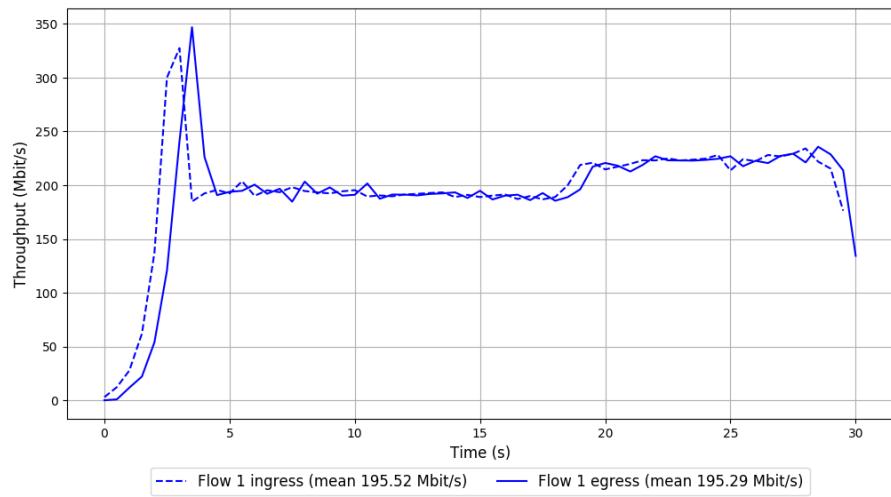


Run 8: Statistics of PCC-Expr

```
Start at: 2018-06-30 01:37:13
End at: 2018-06-30 01:37:43
Local clock offset: 0.097 ms
Remote clock offset: 0.071 ms

# Below is generated by plot.py at 2018-06-30 03:21:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 195.29 Mbit/s
95th percentile per-packet one-way delay: 100.172 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 195.29 Mbit/s
95th percentile per-packet one-way delay: 100.172 ms
Loss rate: 0.69%
```

Run 8: Report of PCC-Expr — Data Link

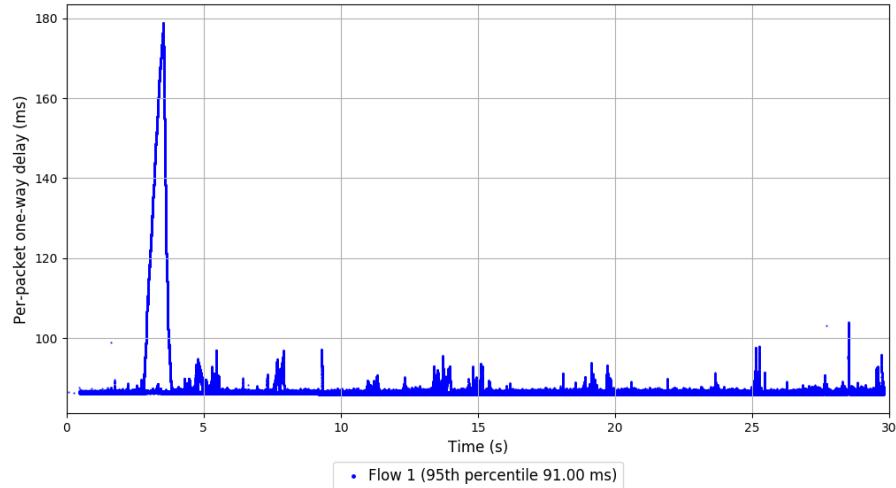
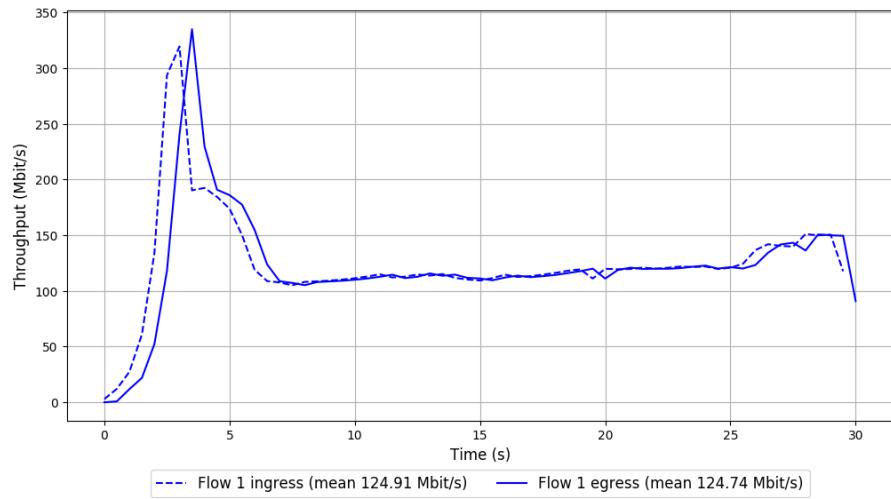


Run 9: Statistics of PCC-Expr

```
Start at: 2018-06-30 01:58:16
End at: 2018-06-30 01:58:46
Local clock offset: 0.261 ms
Remote clock offset: -0.019 ms

# Below is generated by plot.py at 2018-06-30 03:21:07
# Datalink statistics
-- Total of 1 flow:
Average throughput: 124.74 Mbit/s
95th percentile per-packet one-way delay: 91.003 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 124.74 Mbit/s
95th percentile per-packet one-way delay: 91.003 ms
Loss rate: 0.72%
```

Run 9: Report of PCC-Expr — Data Link

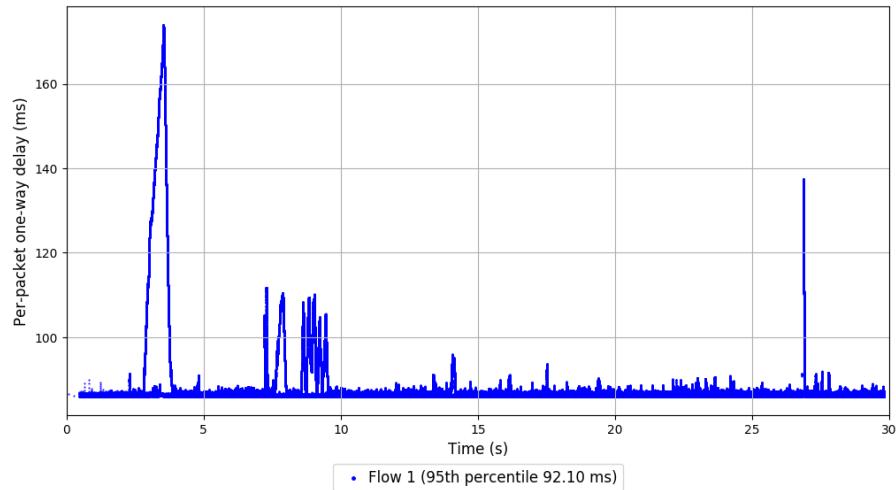
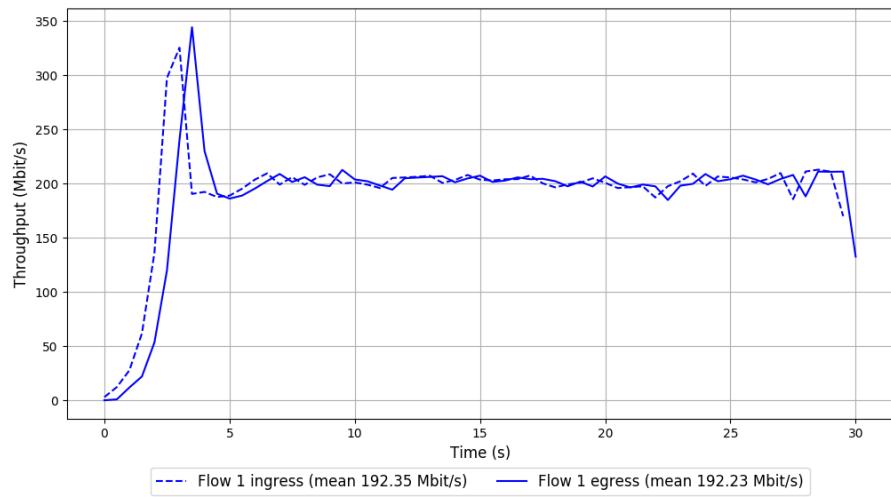


Run 10: Statistics of PCC-Expr

```
Start at: 2018-06-30 02:19:22
End at: 2018-06-30 02:19:52
Local clock offset: 0.37 ms
Remote clock offset: -0.053 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 192.23 Mbit/s
95th percentile per-packet one-way delay: 92.101 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 192.23 Mbit/s
95th percentile per-packet one-way delay: 92.101 ms
Loss rate: 0.64%
```

Run 10: Report of PCC-Expr — Data Link



Run 1: Statistics of QUIC Cubic

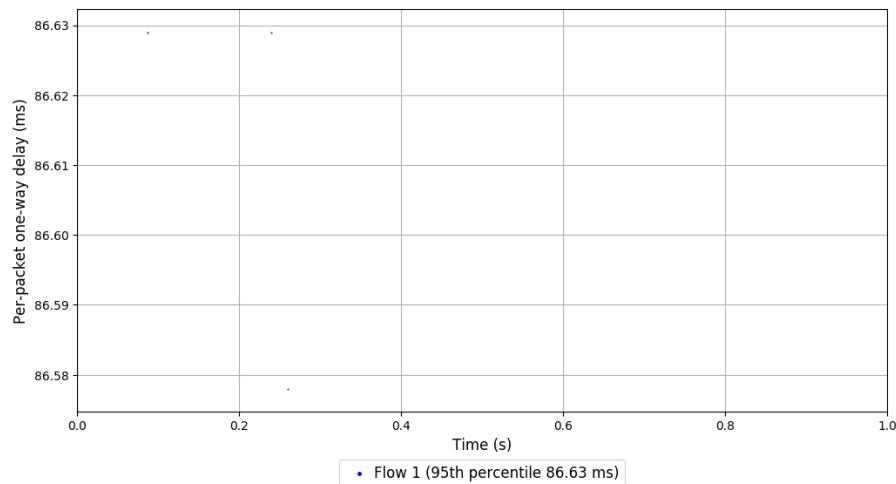
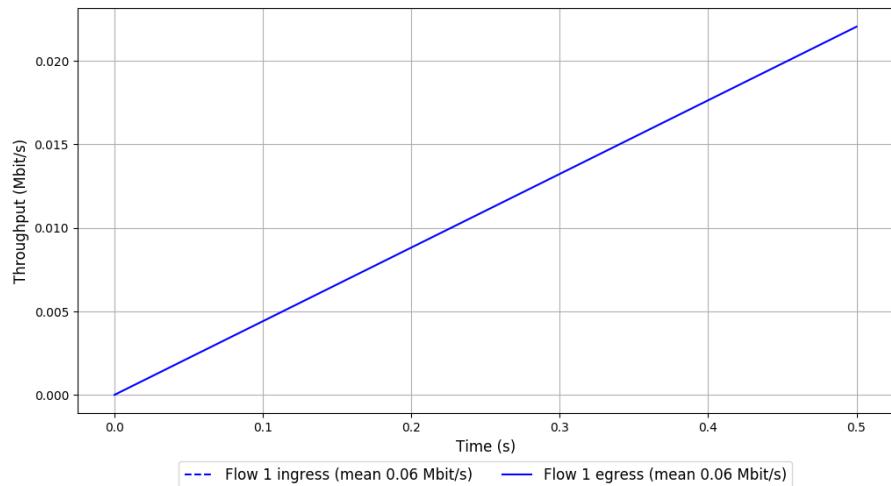
Start at: 2018-06-29 23:03:52

End at: 2018-06-29 23:04:22

Local clock offset: 0.3 ms

Remote clock offset: -0.054 ms

Run 1: Report of QUIC Cubic — Data Link

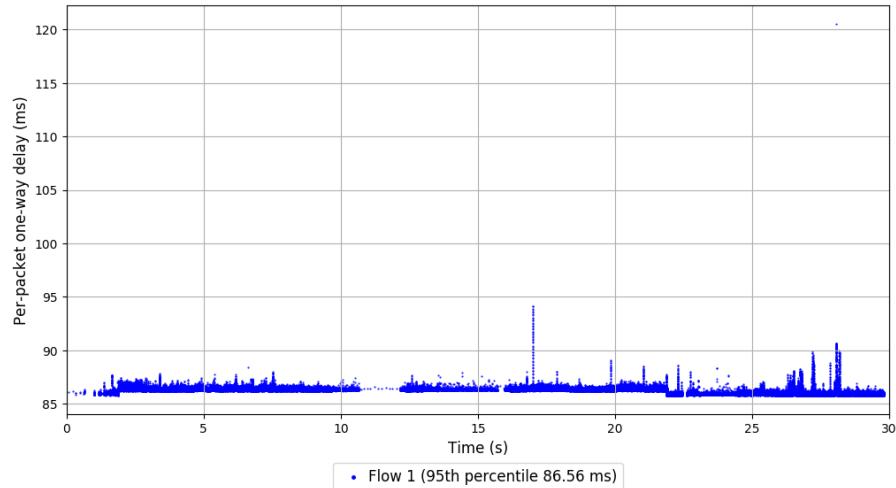
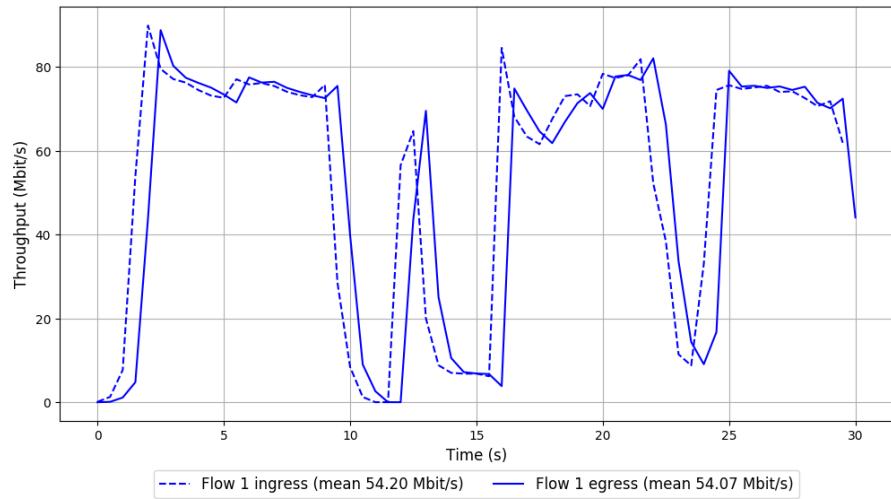


Run 2: Statistics of QUIC Cubic

```
Start at: 2018-06-29 23:24:44
End at: 2018-06-29 23:25:14
Local clock offset: 0.19 ms
Remote clock offset: -0.024 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 54.07 Mbit/s
95th percentile per-packet one-way delay: 86.559 ms
Loss rate: 0.93%
-- Flow 1:
Average throughput: 54.07 Mbit/s
95th percentile per-packet one-way delay: 86.559 ms
Loss rate: 0.93%
```

Run 2: Report of QUIC Cubic — Data Link

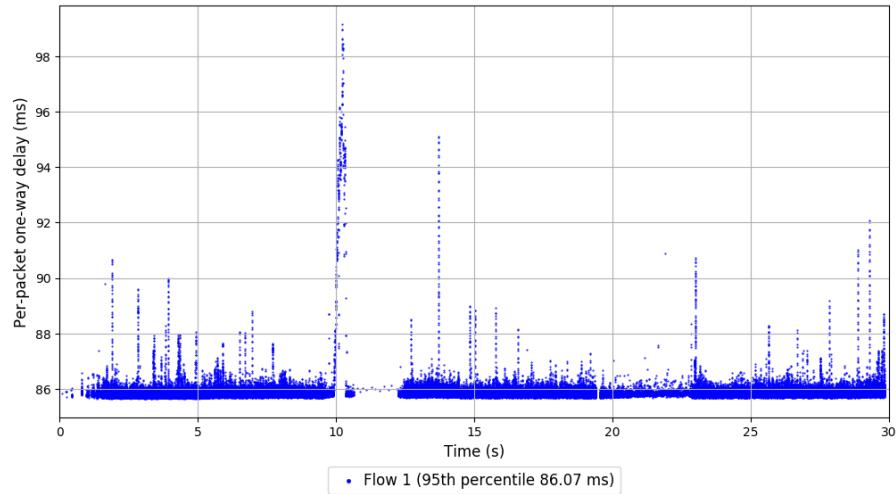
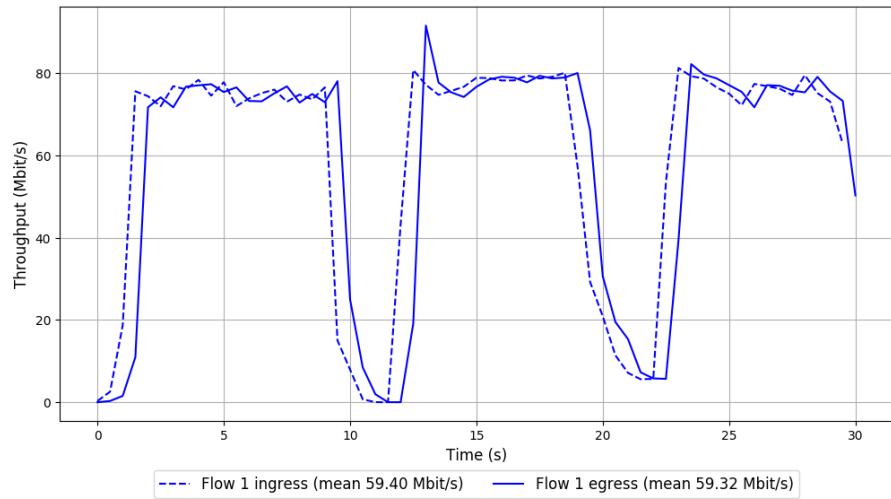


Run 3: Statistics of QUIC Cubic

```
Start at: 2018-06-29 23:45:50
End at: 2018-06-29 23:46:20
Local clock offset: -0.108 ms
Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 59.32 Mbit/s
95th percentile per-packet one-way delay: 86.066 ms
Loss rate: 0.72%
-- Flow 1:
Average throughput: 59.32 Mbit/s
95th percentile per-packet one-way delay: 86.066 ms
Loss rate: 0.72%
```

Run 3: Report of QUIC Cubic — Data Link

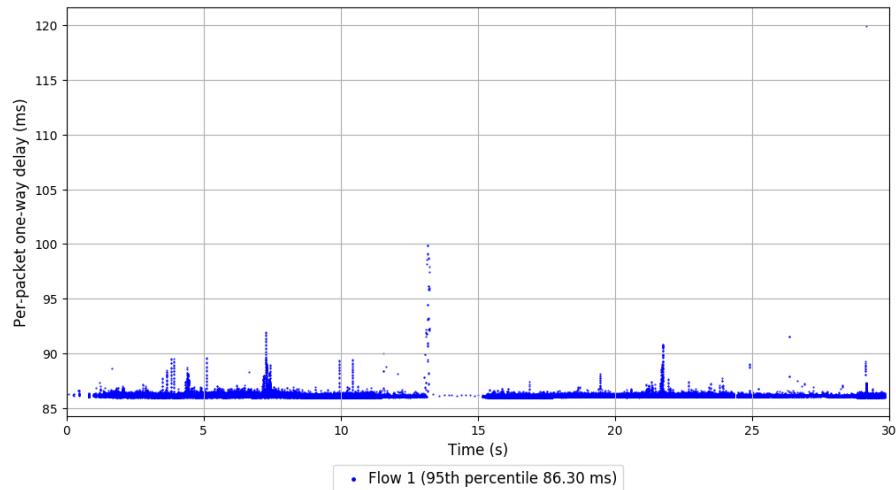
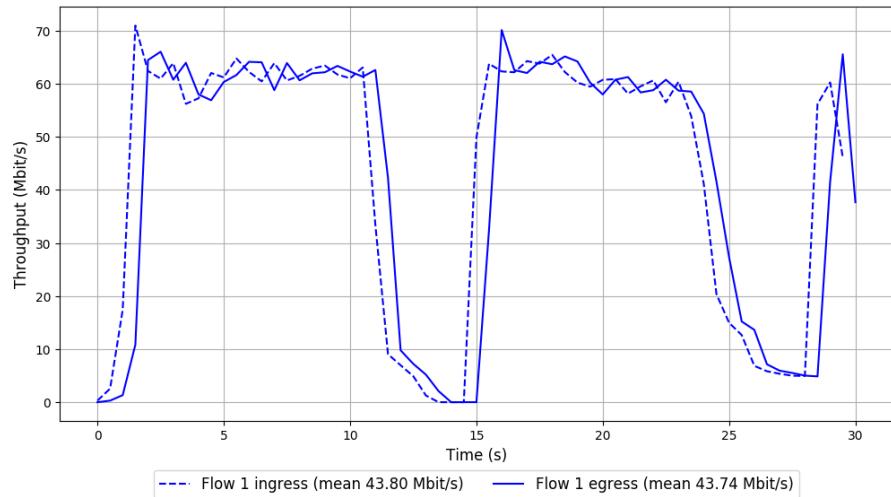


Run 4: Statistics of QUIC Cubic

```
Start at: 2018-06-30 00:06:48
End at: 2018-06-30 00:07:18
Local clock offset: 0.283 ms
Remote clock offset: 0.068 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.74 Mbit/s
95th percentile per-packet one-way delay: 86.300 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 43.74 Mbit/s
95th percentile per-packet one-way delay: 86.300 ms
Loss rate: 0.71%
```

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

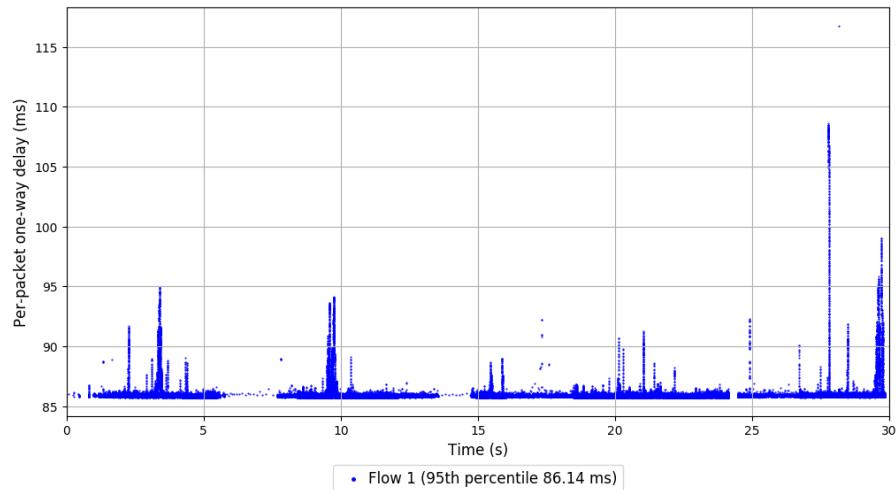
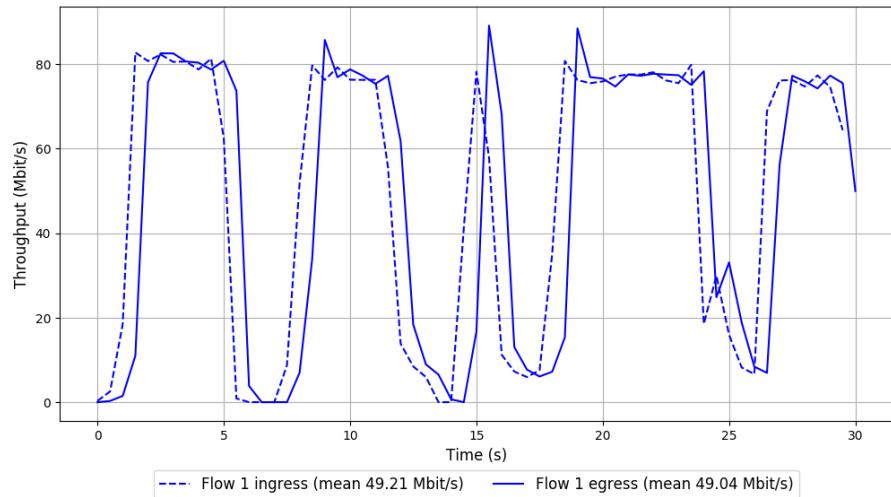


Run 5: Statistics of QUIC Cubic

```
Start at: 2018-06-30 00:28:01
End at: 2018-06-30 00:28:31
Local clock offset: 0.055 ms
Remote clock offset: 0.183 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 49.04 Mbit/s
95th percentile per-packet one-way delay: 86.137 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 49.04 Mbit/s
95th percentile per-packet one-way delay: 86.137 ms
Loss rate: 0.91%
```

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

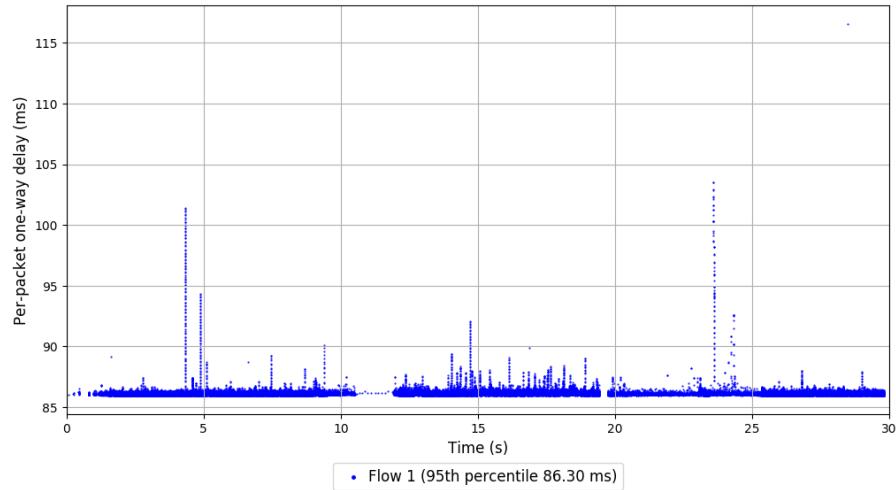
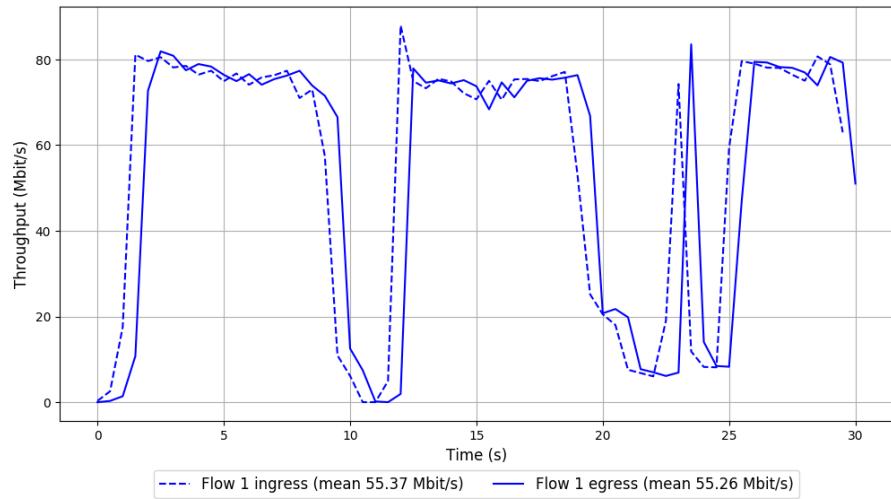


Run 6: Statistics of QUIC Cubic

```
Start at: 2018-06-30 00:49:06
End at: 2018-06-30 00:49:36
Local clock offset: 0.143 ms
Remote clock offset: 0.269 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 55.26 Mbit/s
95th percentile per-packet one-way delay: 86.301 ms
Loss rate: 0.77%
-- Flow 1:
Average throughput: 55.26 Mbit/s
95th percentile per-packet one-way delay: 86.301 ms
Loss rate: 0.77%
```

Run 6: Report of QUIC Cubic — Data Link

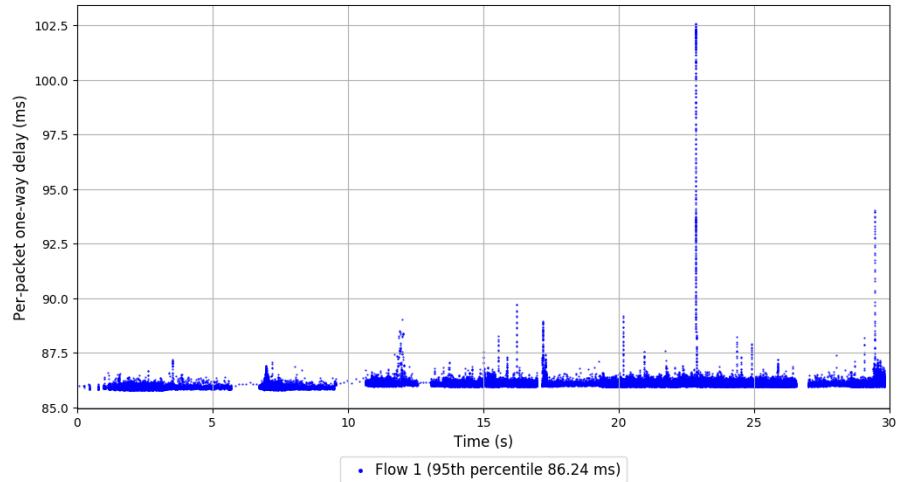
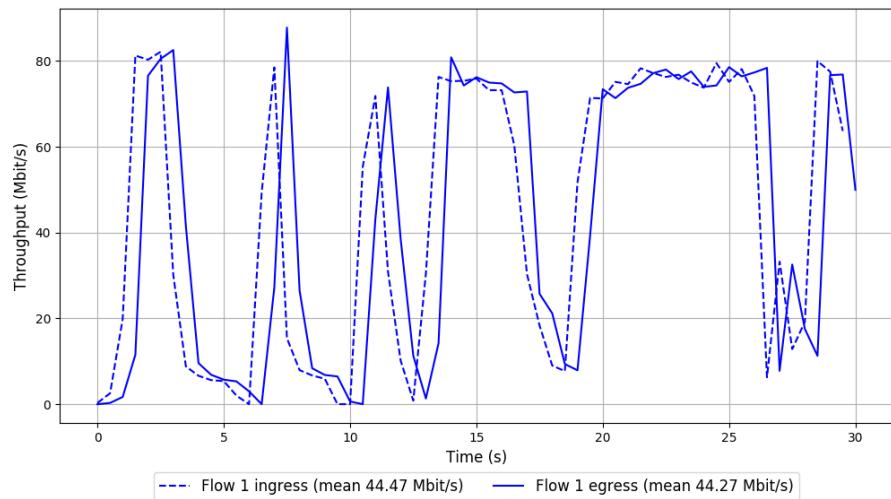


Run 7: Statistics of QUIC Cubic

```
Start at: 2018-06-30 01:10:06
End at: 2018-06-30 01:10:36
Local clock offset: 0.059 ms
Remote clock offset: 0.242 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 44.27 Mbit/s
95th percentile per-packet one-way delay: 86.244 ms
Loss rate: 1.02%
-- Flow 1:
Average throughput: 44.27 Mbit/s
95th percentile per-packet one-way delay: 86.244 ms
Loss rate: 1.02%
```

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

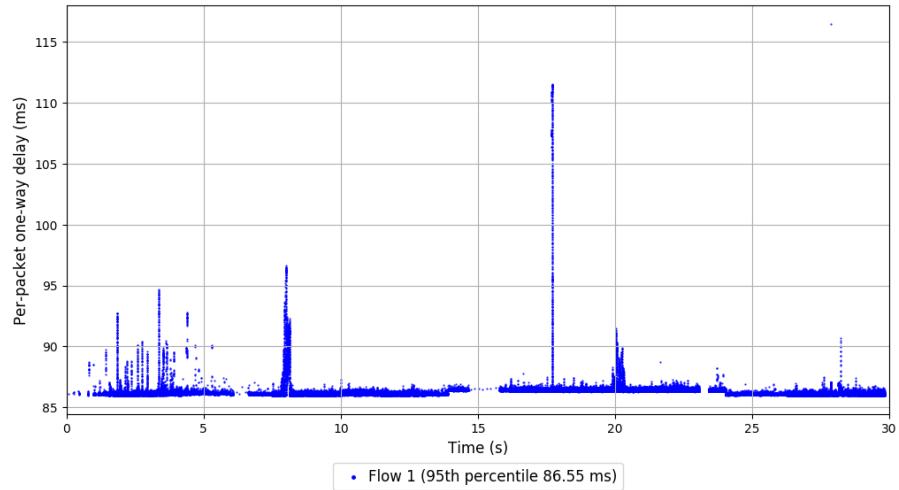
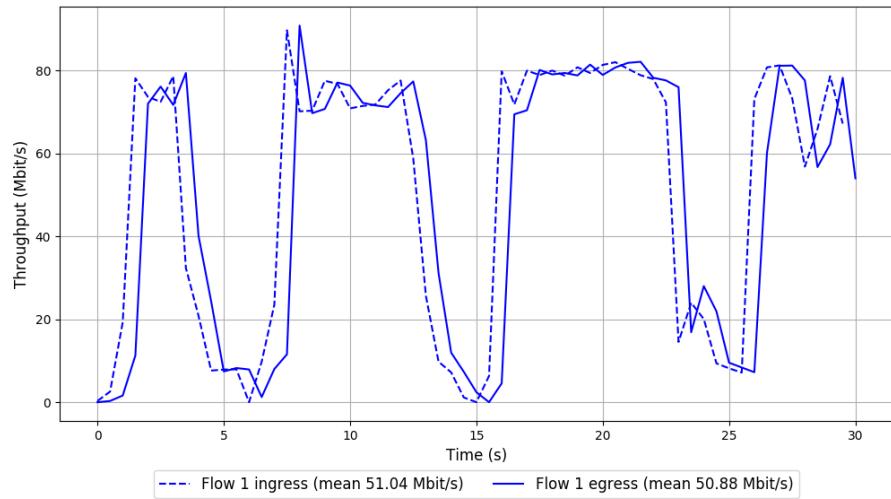


Run 8: Statistics of QUIC Cubic

```
Start at: 2018-06-30 01:31:12
End at: 2018-06-30 01:31:42
Local clock offset: 0.168 ms
Remote clock offset: 0.105 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 50.88 Mbit/s
95th percentile per-packet one-way delay: 86.548 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 50.88 Mbit/s
95th percentile per-packet one-way delay: 86.548 ms
Loss rate: 0.88%
```

Run 8: Report of QUIC Cubic — Data Link

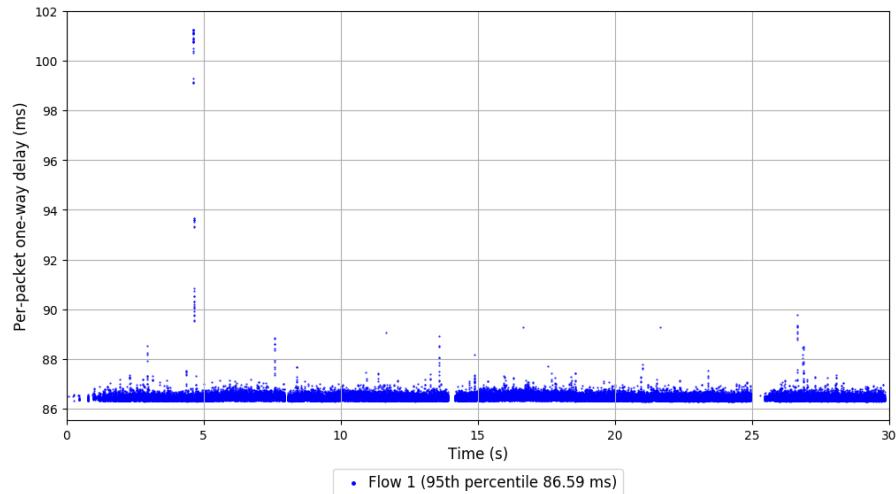
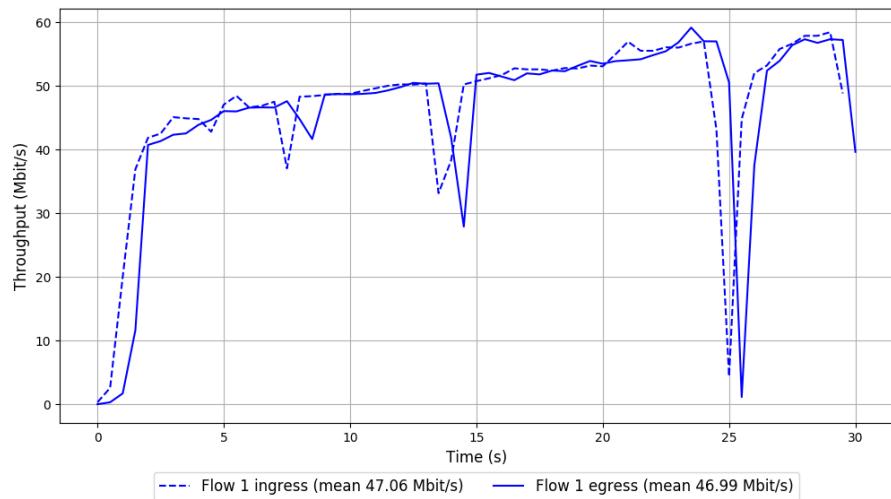


Run 9: Statistics of QUIC Cubic

```
Start at: 2018-06-30 01:52:25
End at: 2018-06-30 01:52:55
Local clock offset: 0.211 ms
Remote clock offset: 0.019 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 46.99 Mbit/s
95th percentile per-packet one-way delay: 86.587 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 46.99 Mbit/s
95th percentile per-packet one-way delay: 86.587 ms
Loss rate: 0.71%
```

Run 9: Report of QUIC Cubic — Data Link

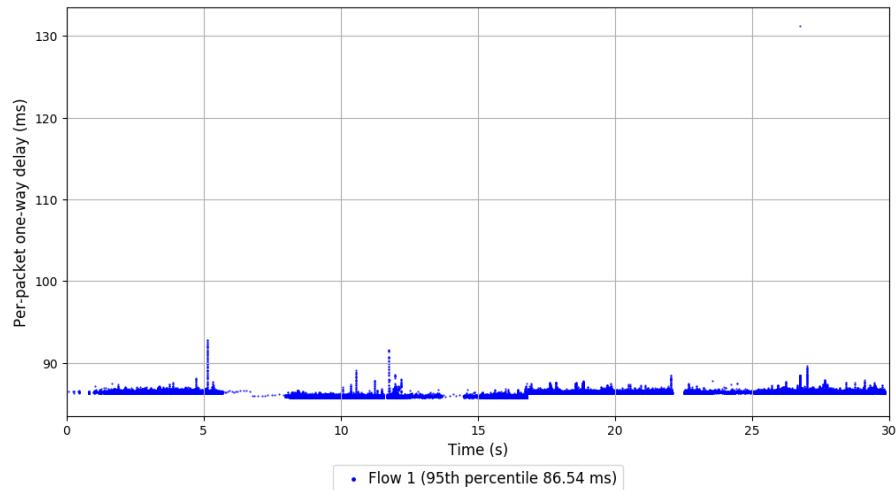
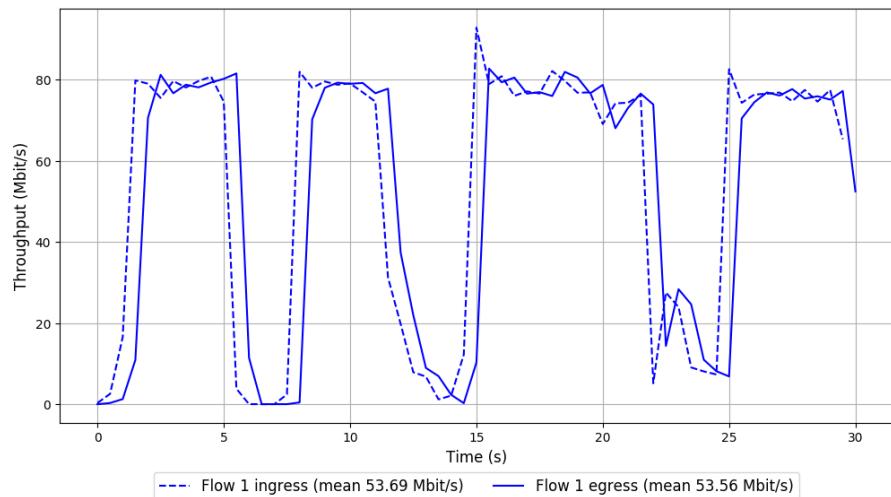


Run 10: Statistics of QUIC Cubic

```
Start at: 2018-06-30 02:13:19
End at: 2018-06-30 02:13:49
Local clock offset: 0.118 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 53.56 Mbit/s
95th percentile per-packet one-way delay: 86.542 ms
Loss rate: 0.82%
-- Flow 1:
Average throughput: 53.56 Mbit/s
95th percentile per-packet one-way delay: 86.542 ms
Loss rate: 0.82%
```

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

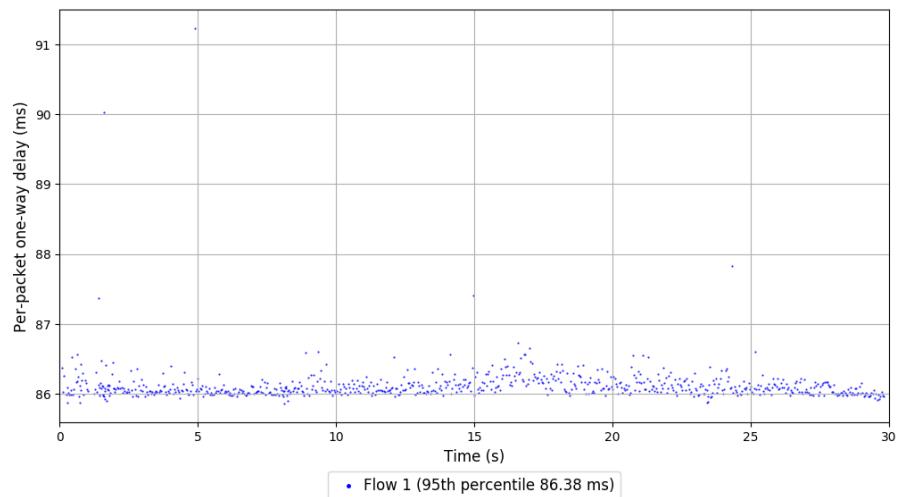
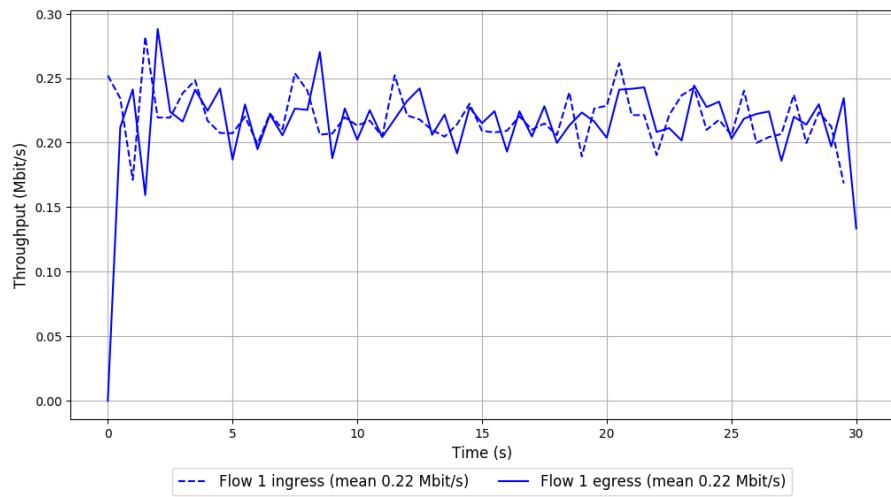


Run 1: Statistics of SCReAM

```
Start at: 2018-06-29 23:14:47
End at: 2018-06-29 23:15:17
Local clock offset: 0.113 ms
Remote clock offset: -0.016 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.380 ms
Loss rate: 0.52%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.380 ms
Loss rate: 0.52%
```

Run 1: Report of SCReAM — Data Link

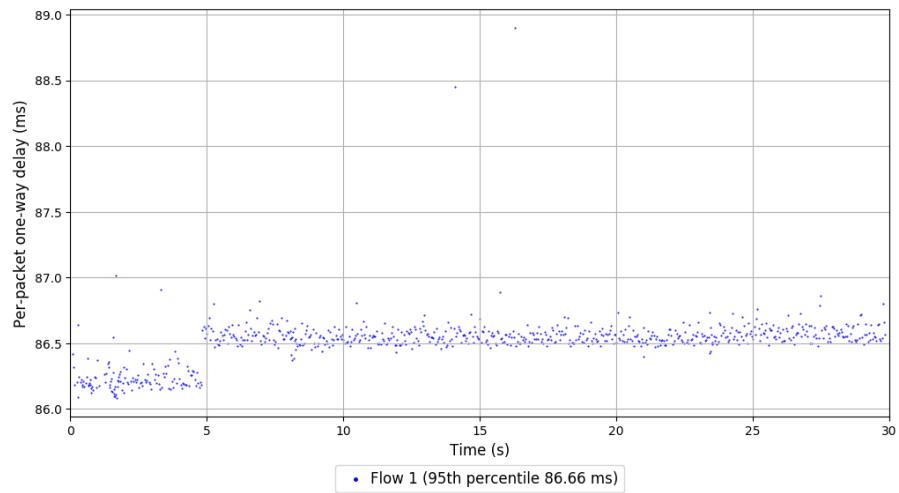
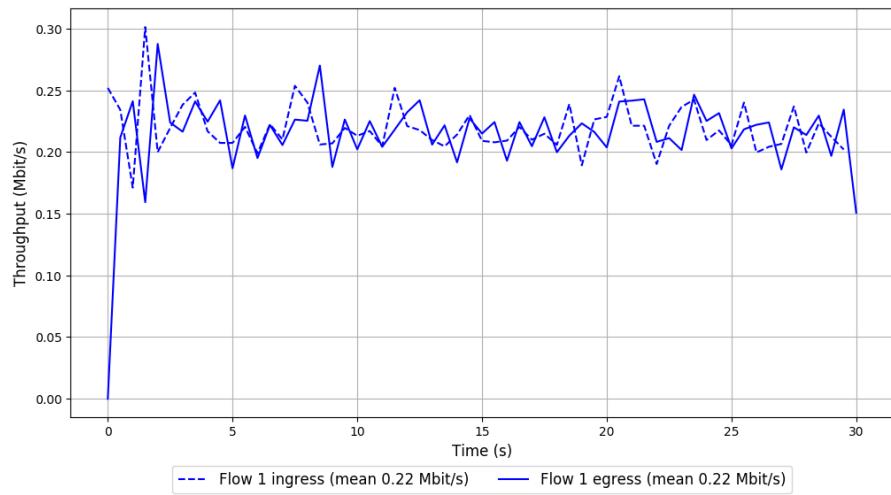


Run 2: Statistics of SCReAM

```
Start at: 2018-06-29 23:35:51
End at: 2018-06-29 23:36:21
Local clock offset: 0.191 ms
Remote clock offset: 0.009 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.659 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.659 ms
Loss rate: 0.64%
```

Run 2: Report of SCReAM — Data Link

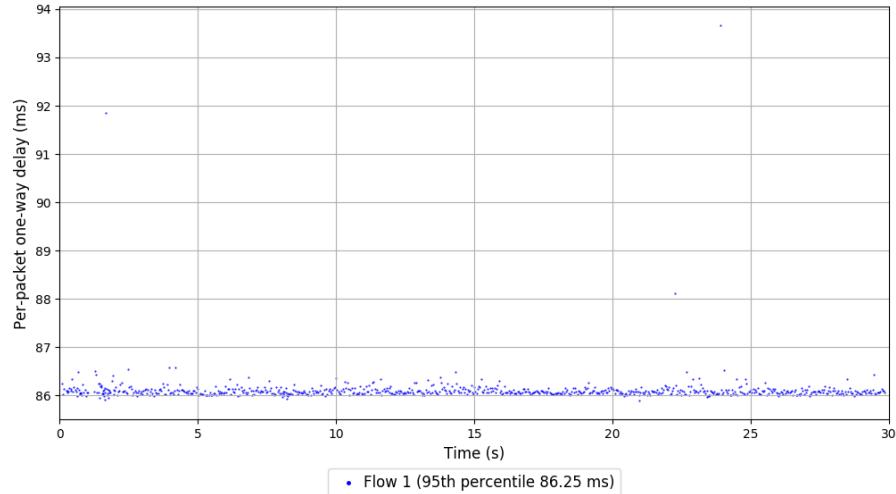
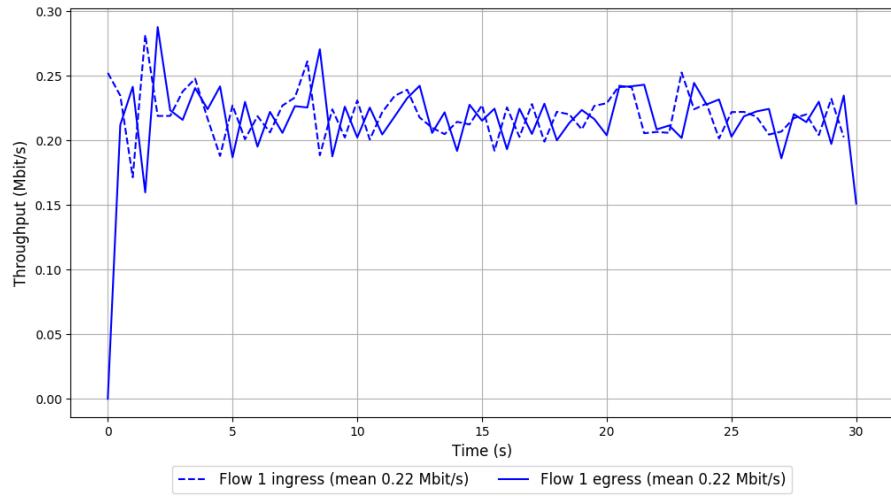


Run 3: Statistics of SCReAM

```
Start at: 2018-06-29 23:57:05
End at: 2018-06-29 23:57:36
Local clock offset: 0.086 ms
Remote clock offset: -0.05 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.250 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.250 ms
Loss rate: 0.64%
```

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

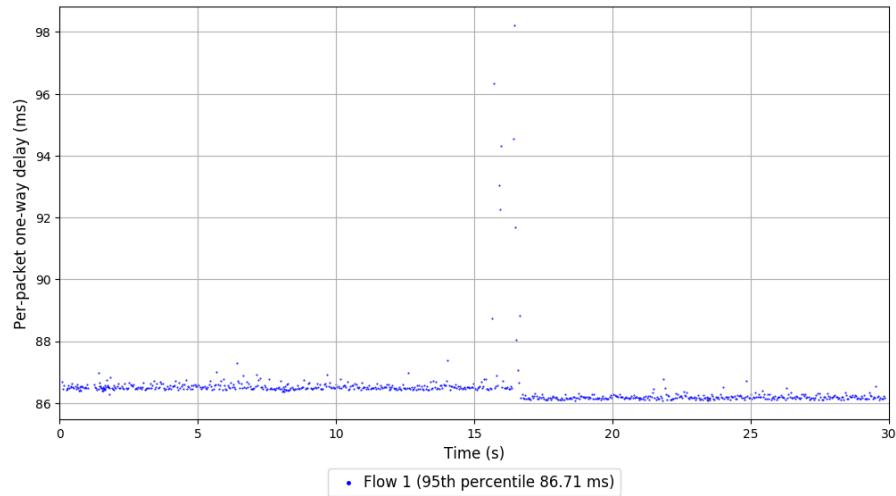
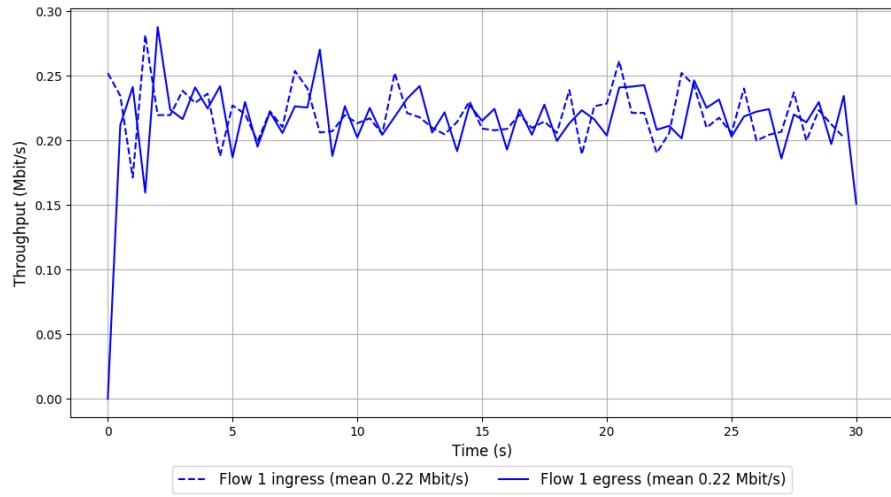


Run 4: Statistics of SCReAM

```
Start at: 2018-06-30 00:17:59
End at: 2018-06-30 00:18:29
Local clock offset: 0.043 ms
Remote clock offset: 0.095 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.707 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.707 ms
Loss rate: 0.64%
```

Run 4: Report of SCReAM — Data Link

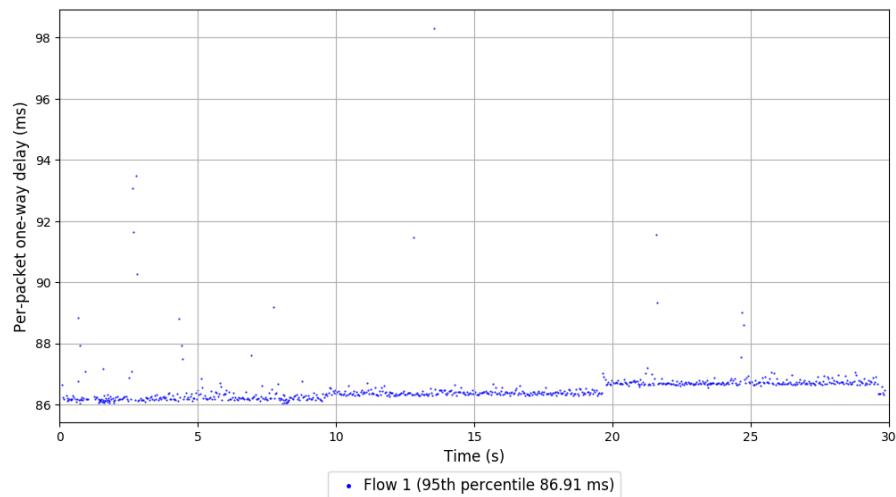
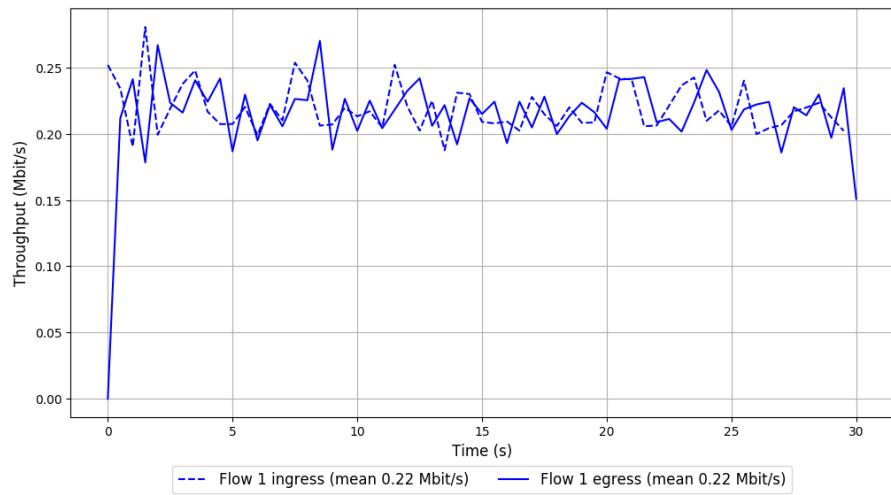


Run 5: Statistics of SCReAM

```
Start at: 2018-06-30 00:39:16
End at: 2018-06-30 00:39:46
Local clock offset: 0.196 ms
Remote clock offset: 0.215 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.909 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.909 ms
Loss rate: 0.64%
```

Run 5: Report of SCReAM — Data Link

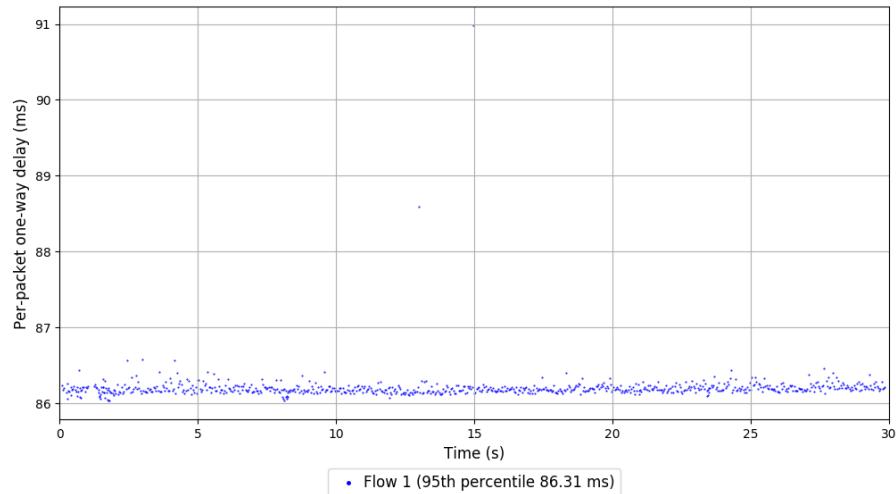
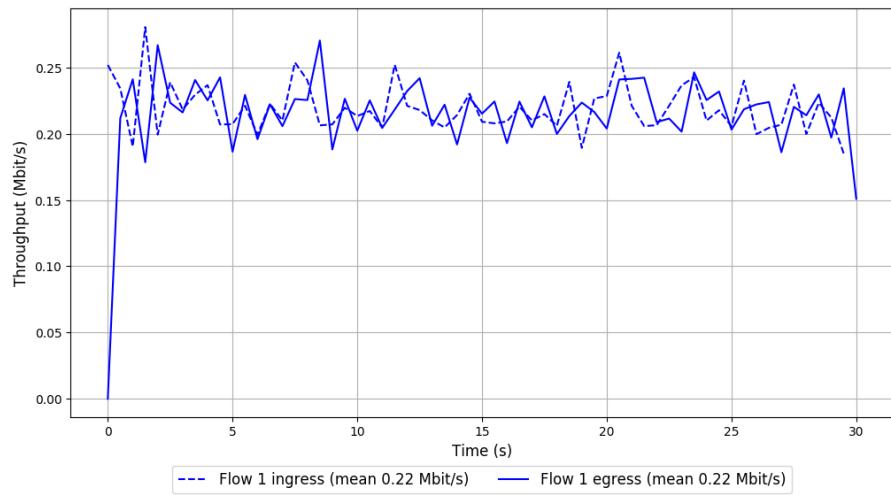


Run 6: Statistics of SCReAM

```
Start at: 2018-06-30 01:00:14
End at: 2018-06-30 01:00:44
Local clock offset: 0.16 ms
Remote clock offset: 0.246 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.305 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.305 ms
Loss rate: 0.51%
```

Run 6: Report of SCReAM — Data Link

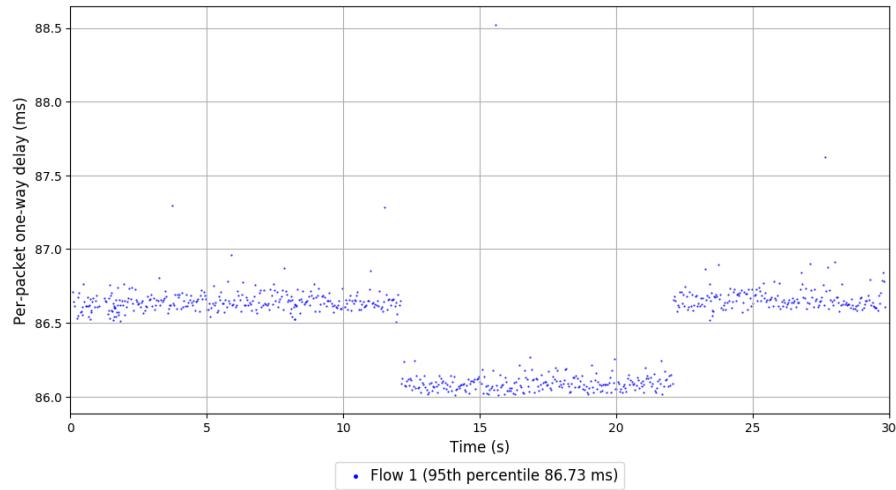
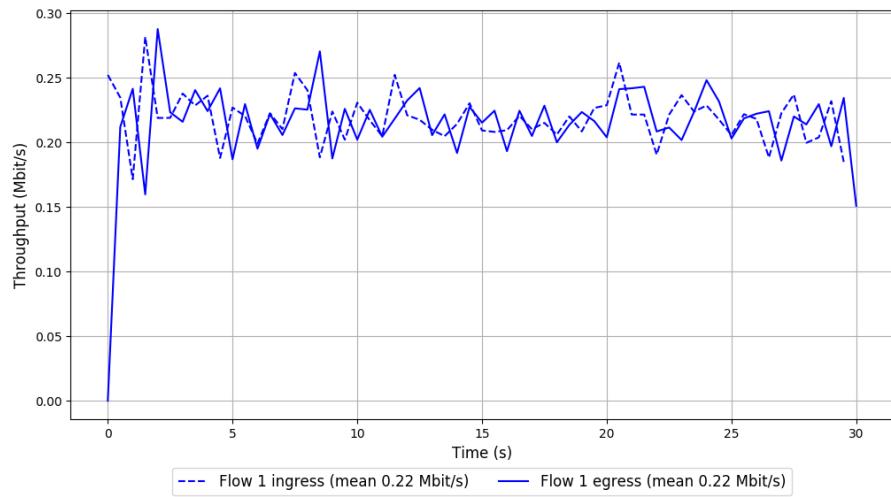


Run 7: Statistics of SCReAM

```
Start at: 2018-06-30 01:21:14
End at: 2018-06-30 01:21:44
Local clock offset: 0.205 ms
Remote clock offset: 0.137 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.735 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.735 ms
Loss rate: 0.51%
```

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

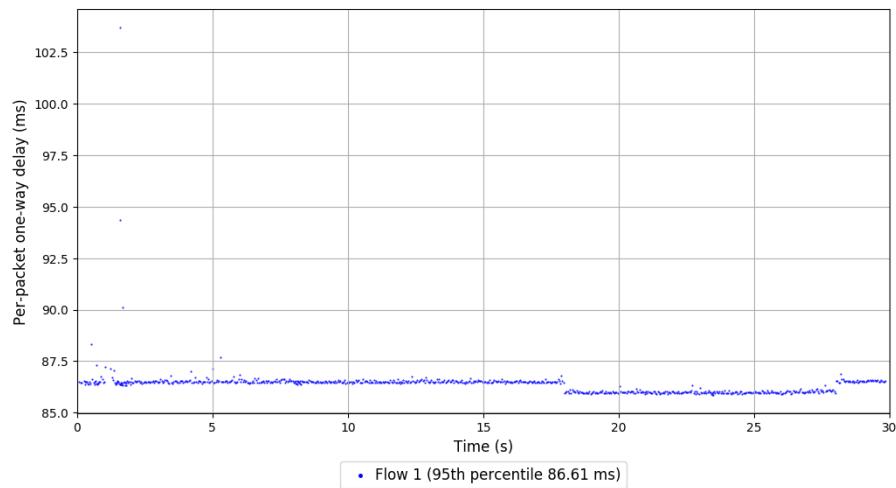
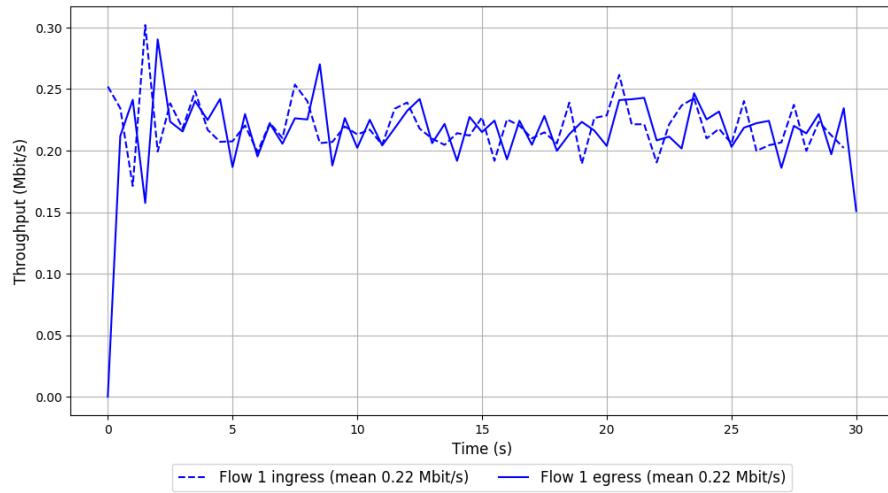


Run 8: Statistics of SCReAM

```
Start at: 2018-06-30 01:42:28
End at: 2018-06-30 01:42:58
Local clock offset: 0.083 ms
Remote clock offset: 0.022 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.615 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.615 ms
Loss rate: 0.64%
```

Run 8: Report of SCReAM — Data Link

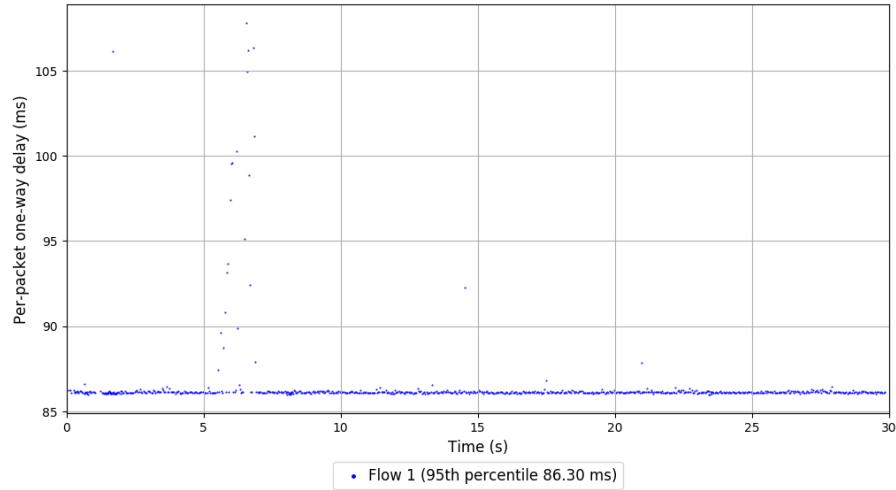
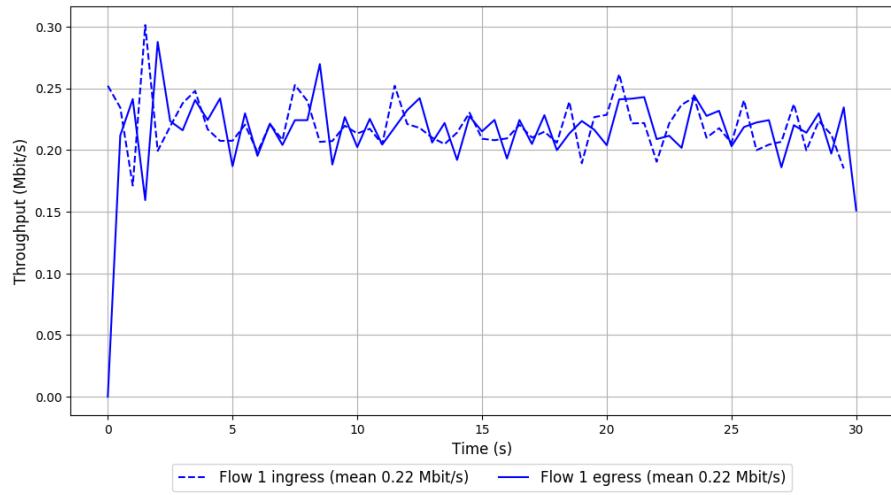


Run 9: Statistics of SCReAM

```
Start at: 2018-06-30 02:03:15
End at: 2018-06-30 02:03:45
Local clock offset: 0.265 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.295 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.295 ms
Loss rate: 0.51%
```

Run 9: Report of SCReAM — Data Link

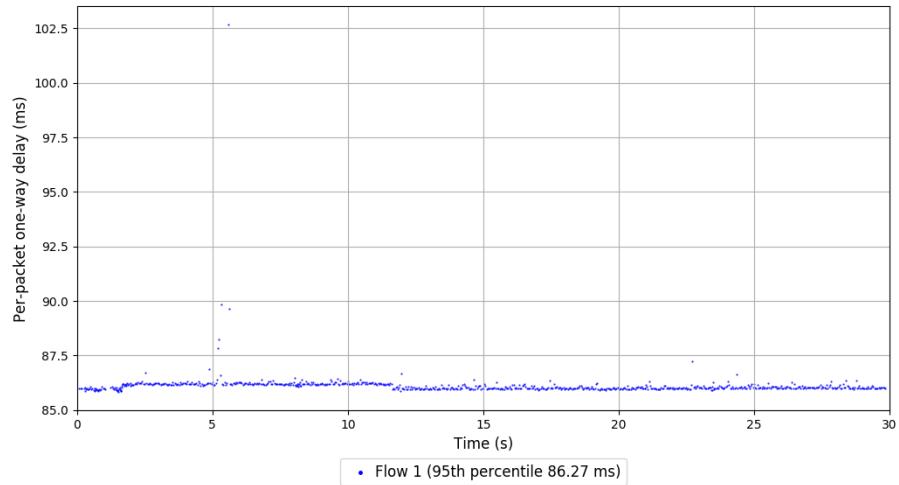
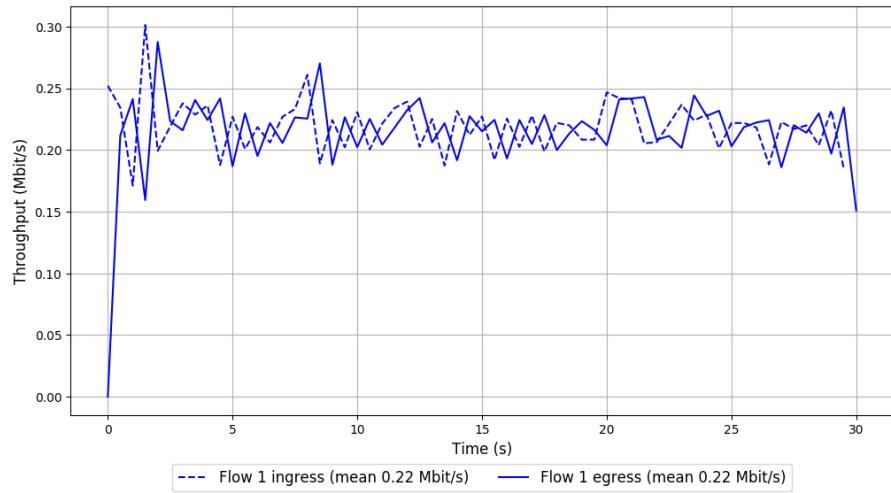


Run 10: Statistics of SCReAM

```
Start at: 2018-06-30 02:24:24
End at: 2018-06-30 02:24:54
Local clock offset: 0.127 ms
Remote clock offset: -0.09 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.272 ms
Loss rate: 0.51%
-- Flow 1:
Average throughput: 0.22 Mbit/s
95th percentile per-packet one-way delay: 86.272 ms
Loss rate: 0.51%
```

Run 10: Report of SCReAM — Data Link

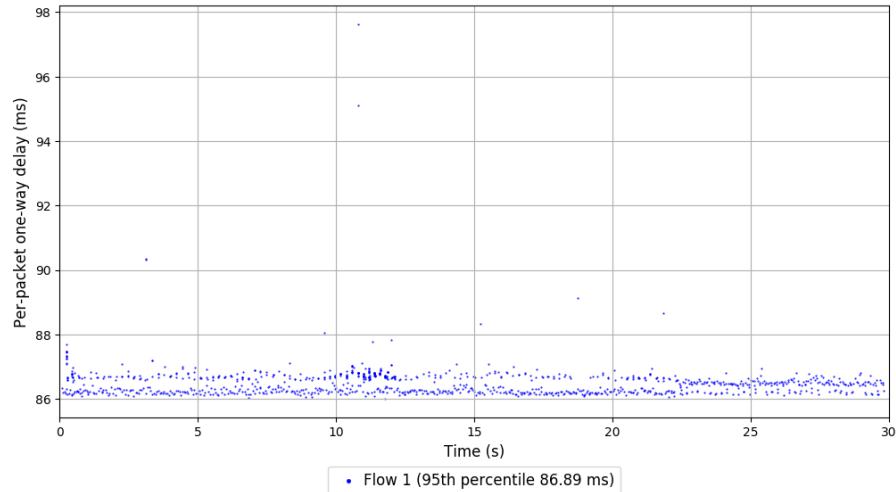
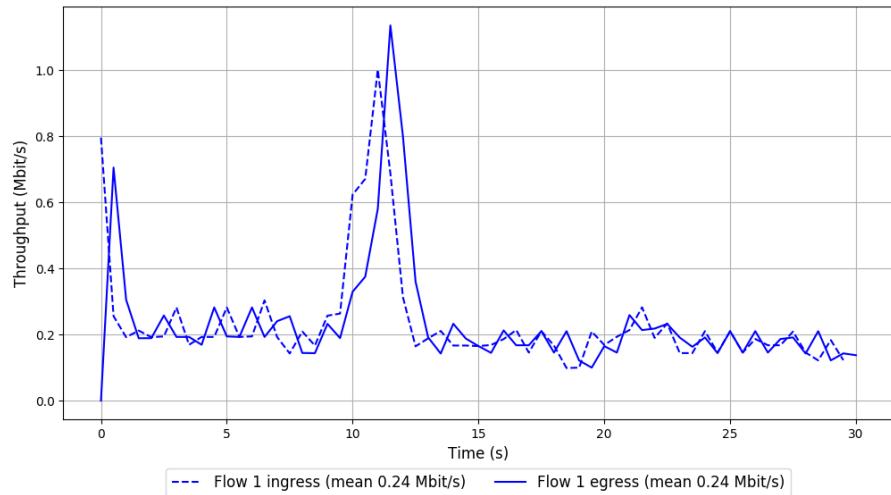


Run 1: Statistics of Sprout

```
Start at: 2018-06-29 23:15:53
End at: 2018-06-29 23:16:23
Local clock offset: 0.211 ms
Remote clock offset: -0.088 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.895 ms
Loss rate: 0.20%
-- Flow 1:
Average throughput: 0.24 Mbit/s
95th percentile per-packet one-way delay: 86.895 ms
Loss rate: 0.20%
```

Run 1: Report of Sprout — Data Link

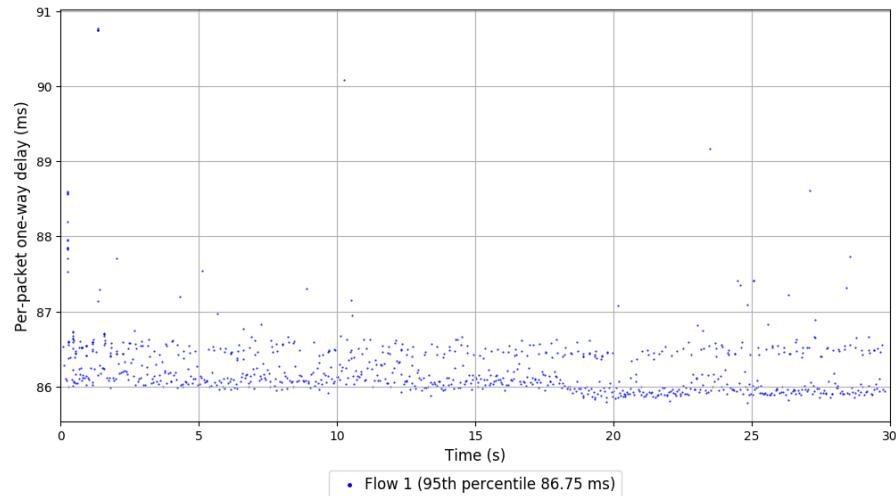
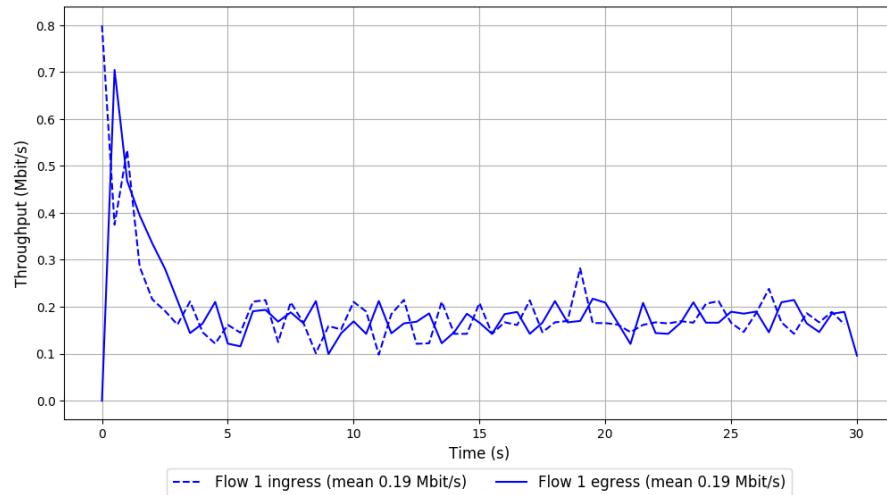


Run 2: Statistics of Sprout

```
Start at: 2018-06-29 23:36:57
End at: 2018-06-29 23:37:28
Local clock offset: 0.082 ms
Remote clock offset: 0.017 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 86.747 ms
Loss rate: 0.79%
-- Flow 1:
Average throughput: 0.19 Mbit/s
95th percentile per-packet one-way delay: 86.747 ms
Loss rate: 0.79%
```

## Run 2: Report of Sprout — Data Link

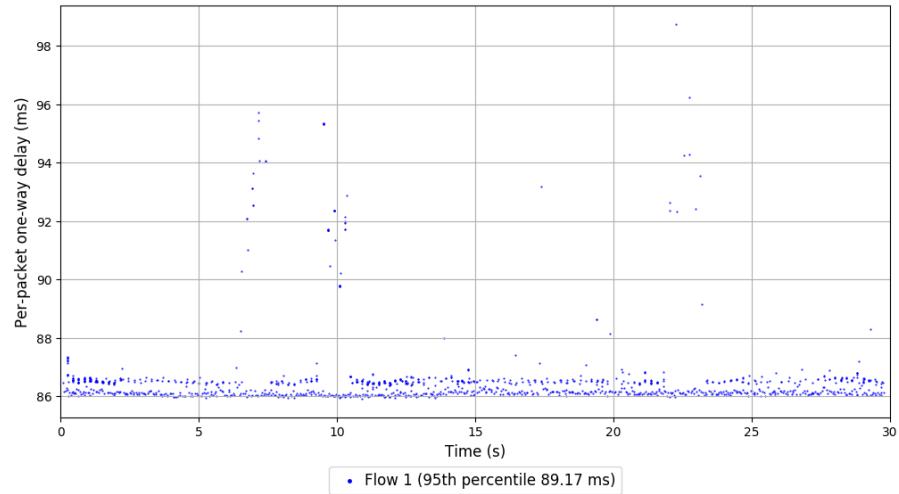
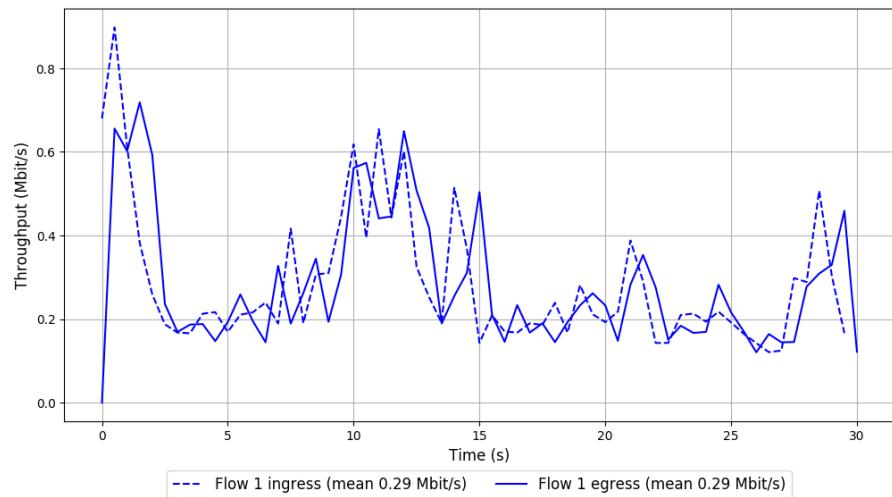


Run 3: Statistics of Sprout

```
Start at: 2018-06-29 23:58:12
End at: 2018-06-29 23:58:42
Local clock offset: 0.097 ms
Remote clock offset: -0.015 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 89.167 ms
Loss rate: 0.40%
-- Flow 1:
Average throughput: 0.29 Mbit/s
95th percentile per-packet one-way delay: 89.167 ms
Loss rate: 0.40%
```

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

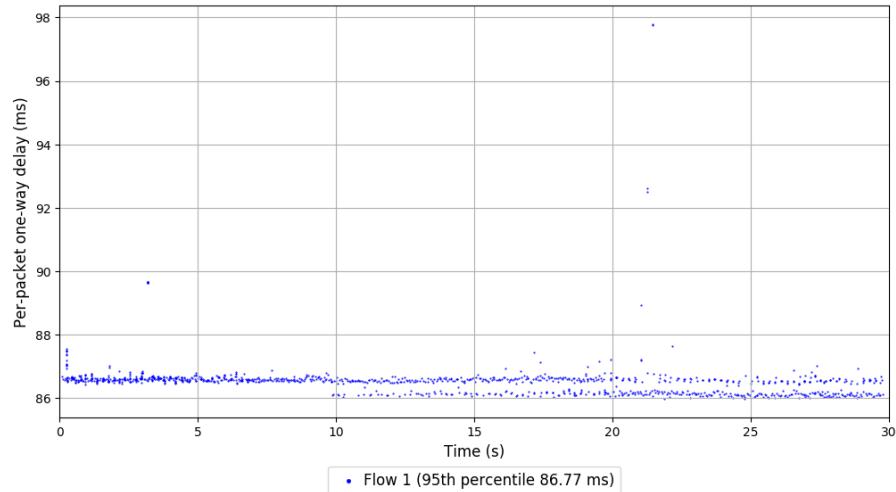
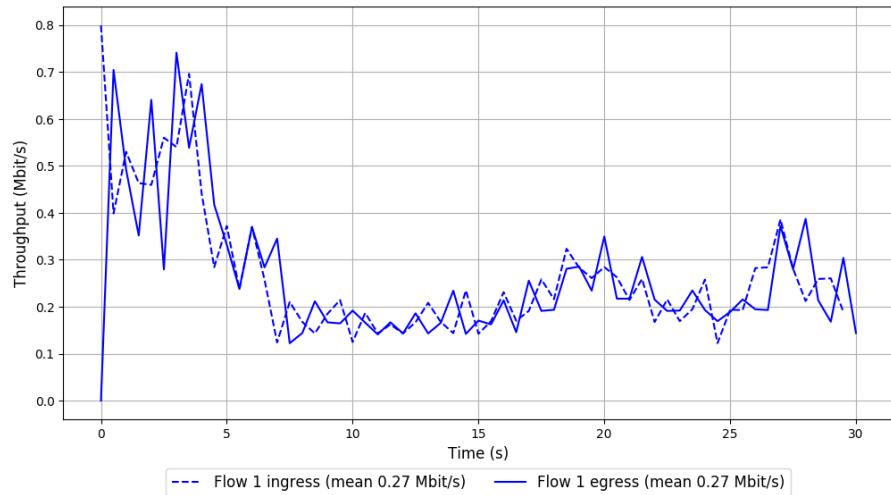


Run 4: Statistics of Sprout

```
Start at: 2018-06-30 00:19:06
End at: 2018-06-30 00:19:36
Local clock offset: 0.173 ms
Remote clock offset: 0.147 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.766 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.766 ms
Loss rate: 0.59%
```

## Run 4: Report of Sprout — Data Link

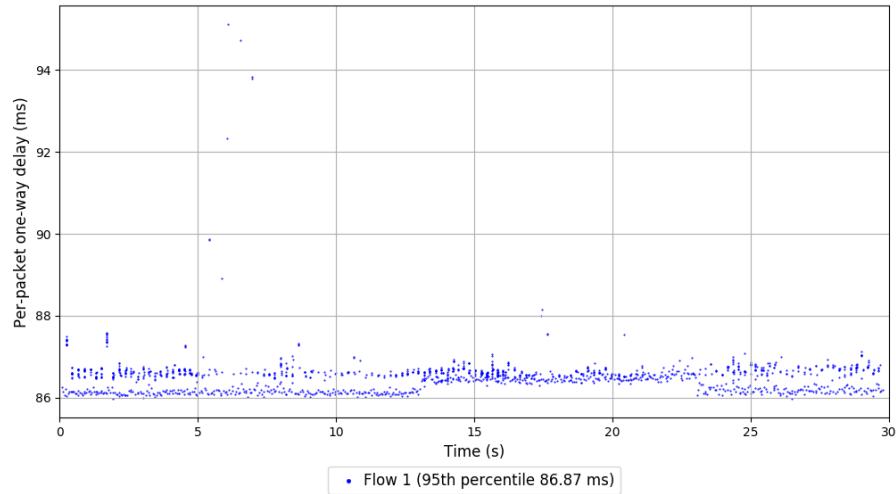
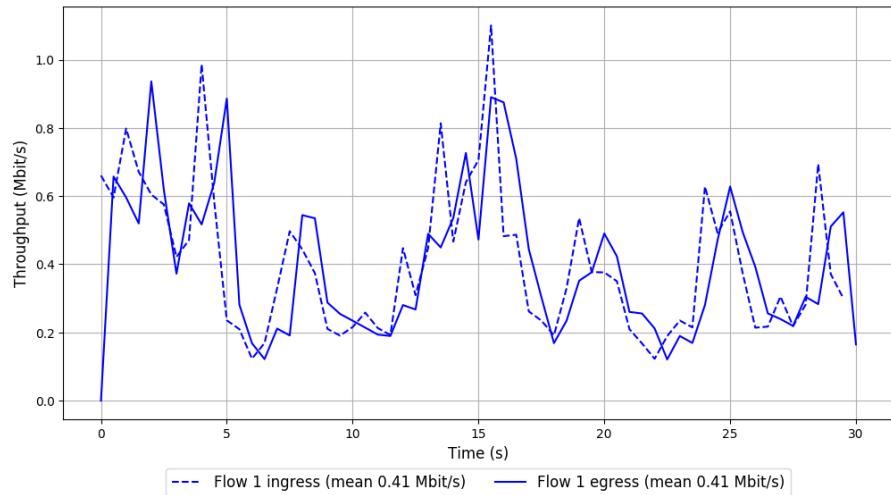


Run 5: Statistics of Sprout

```
Start at: 2018-06-30 00:40:23
End at: 2018-06-30 00:40:53
Local clock offset: 0.012 ms
Remote clock offset: 0.144 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 86.867 ms
Loss rate: 0.57%
-- Flow 1:
Average throughput: 0.41 Mbit/s
95th percentile per-packet one-way delay: 86.867 ms
Loss rate: 0.57%
```

## Run 5: Report of Sprout — Data Link

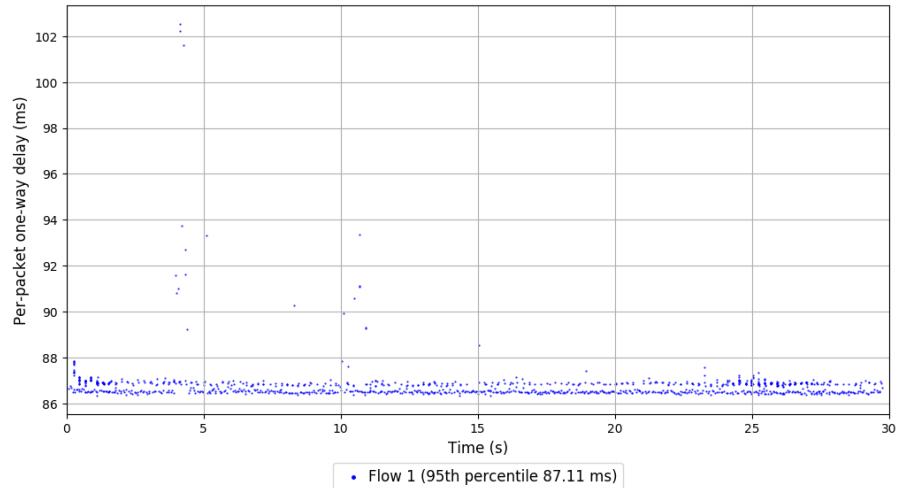
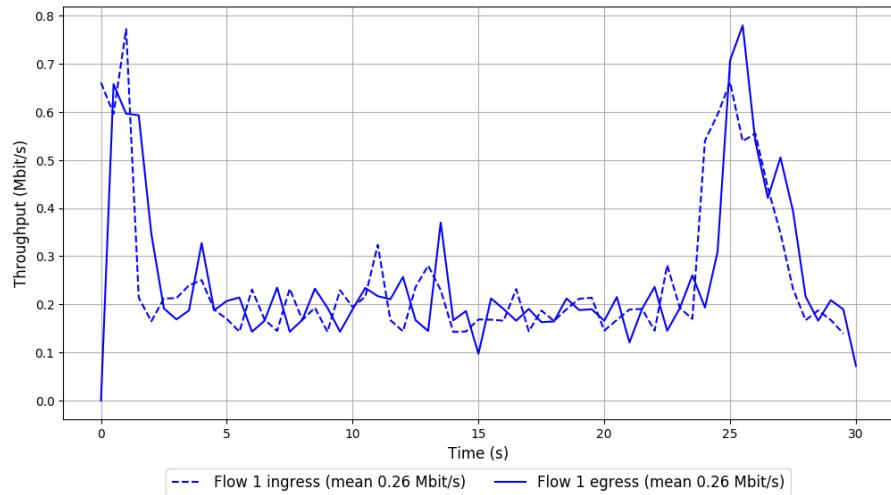


Run 6: Statistics of Sprout

```
Start at: 2018-06-30 01:01:21
End at: 2018-06-30 01:01:51
Local clock offset: 0.295 ms
Remote clock offset: 0.222 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 87.105 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.26 Mbit/s
95th percentile per-packet one-way delay: 87.105 ms
Loss rate: 0.45%
```

## Run 6: Report of Sprout — Data Link

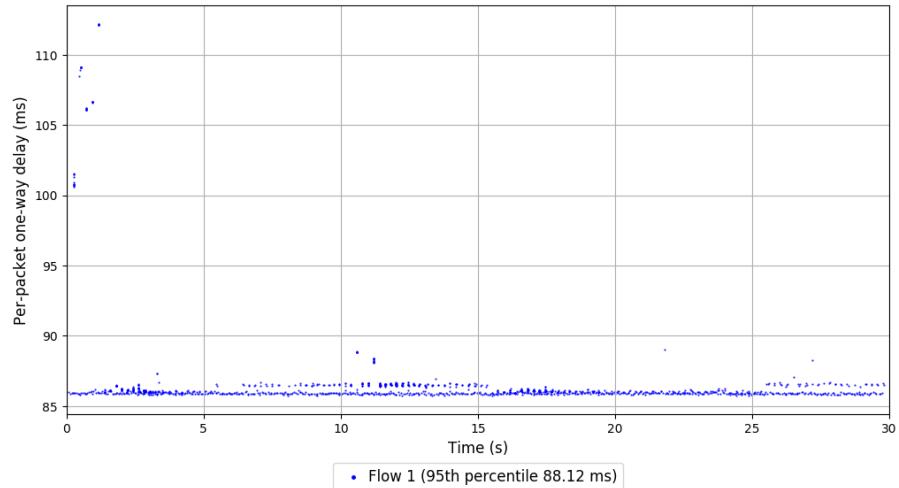
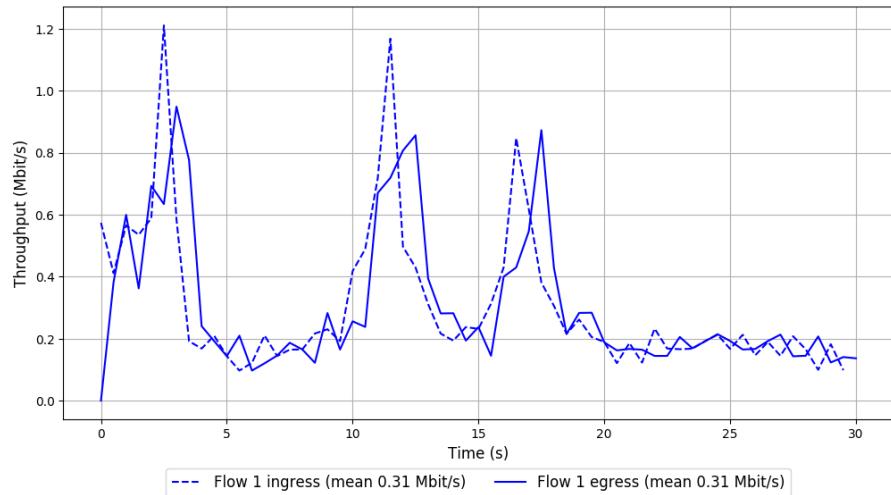


Run 7: Statistics of Sprout

```
Start at: 2018-06-30 01:22:20
End at: 2018-06-30 01:22:50
Local clock offset: 0.108 ms
Remote clock offset: 0.157 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 88.125 ms
Loss rate: 0.03%
-- Flow 1:
Average throughput: 0.31 Mbit/s
95th percentile per-packet one-way delay: 88.125 ms
Loss rate: 0.03%
```

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

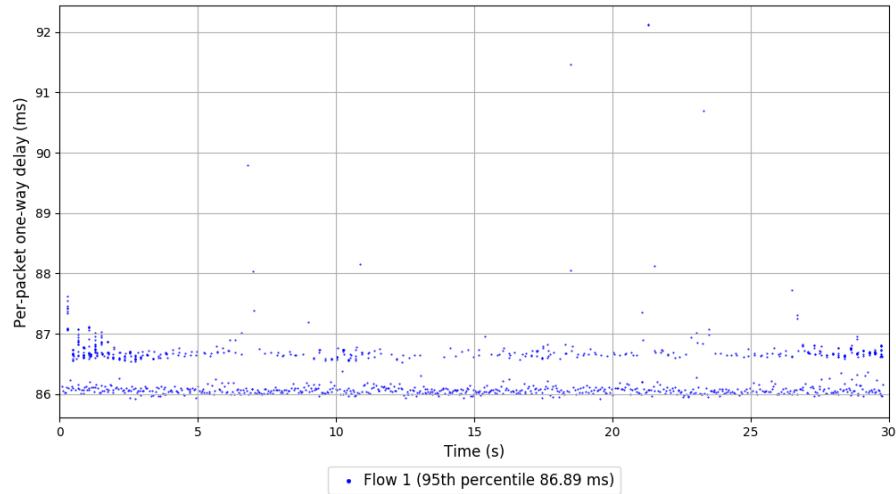
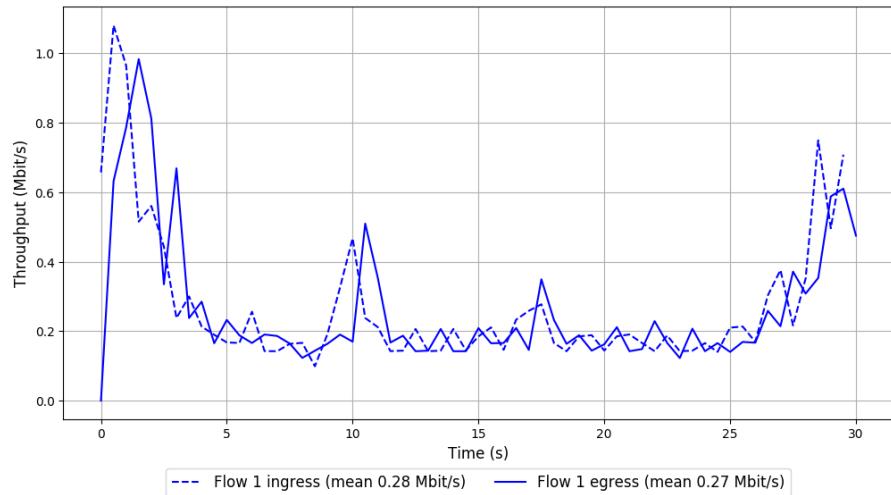


Run 8: Statistics of Sprout

```
Start at: 2018-06-30 01:43:35
End at: 2018-06-30 01:44:05
Local clock offset: 0.29 ms
Remote clock offset: 0.082 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.888 ms
Loss rate: 1.72%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.888 ms
Loss rate: 1.72%
```

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

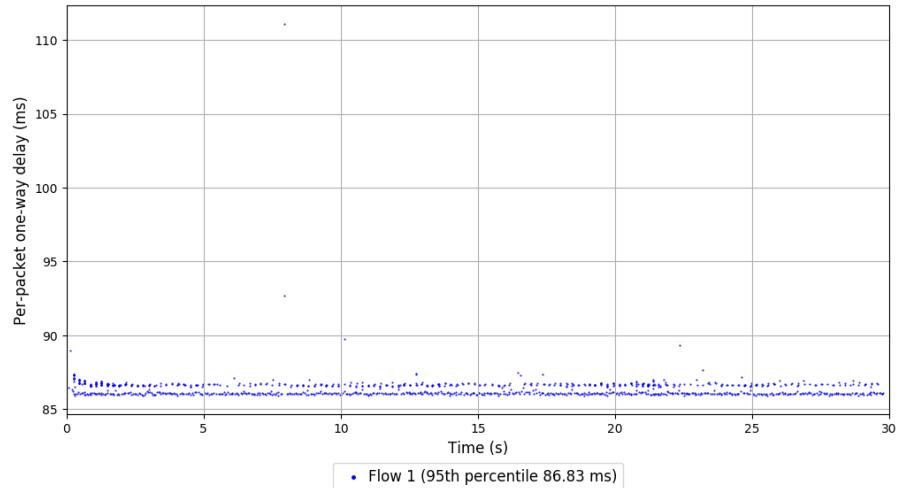
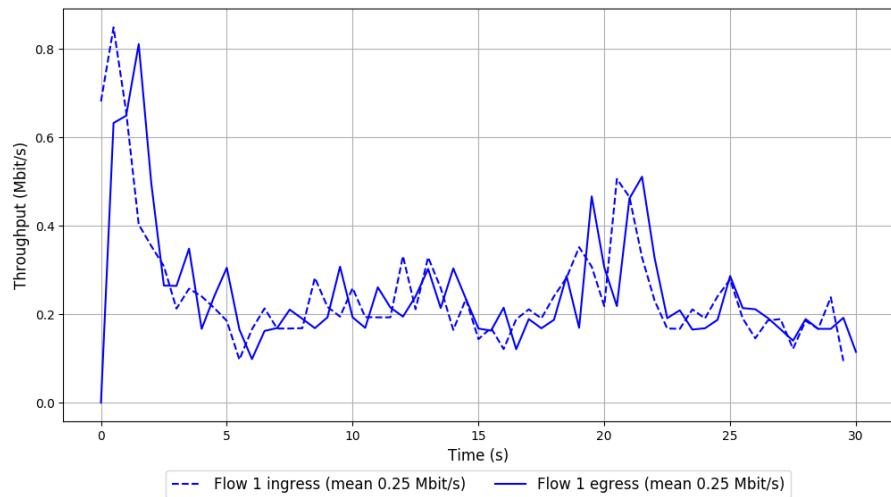


Run 9: Statistics of Sprout

```
Start at: 2018-06-30 02:04:21
End at: 2018-06-30 02:04:51
Local clock offset: 0.244 ms
Remote clock offset: -0.073 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.828 ms
Loss rate: 0.31%
-- Flow 1:
Average throughput: 0.25 Mbit/s
95th percentile per-packet one-way delay: 86.828 ms
Loss rate: 0.31%
```

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

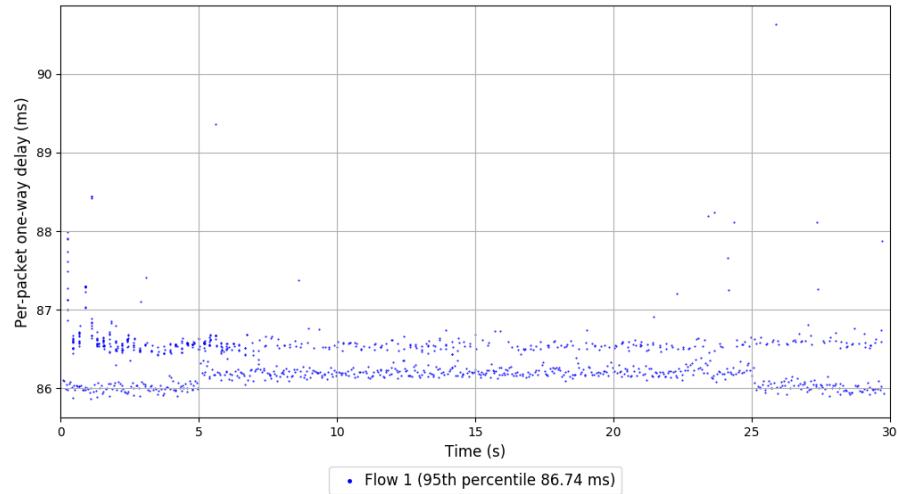
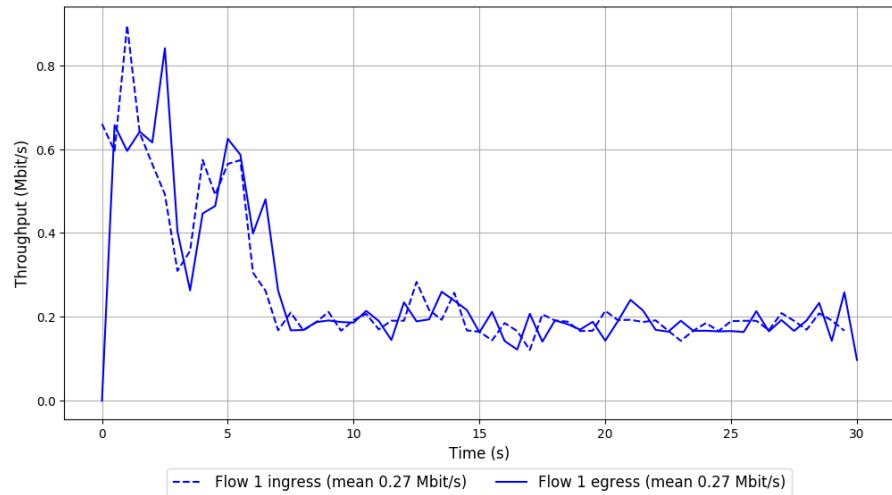


Run 10: Statistics of Sprout

```
Start at: 2018-06-30 02:25:31
End at: 2018-06-30 02:26:01
Local clock offset: 0.177 ms
Remote clock offset: -0.069 ms

# Below is generated by plot.py at 2018-06-30 03:22:21
# Datalink statistics
-- Total of 1 flow:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.739 ms
Loss rate: 0.45%
-- Flow 1:
Average throughput: 0.27 Mbit/s
95th percentile per-packet one-way delay: 86.739 ms
Loss rate: 0.45%
```

Run 10: Report of Sprout — Data Link

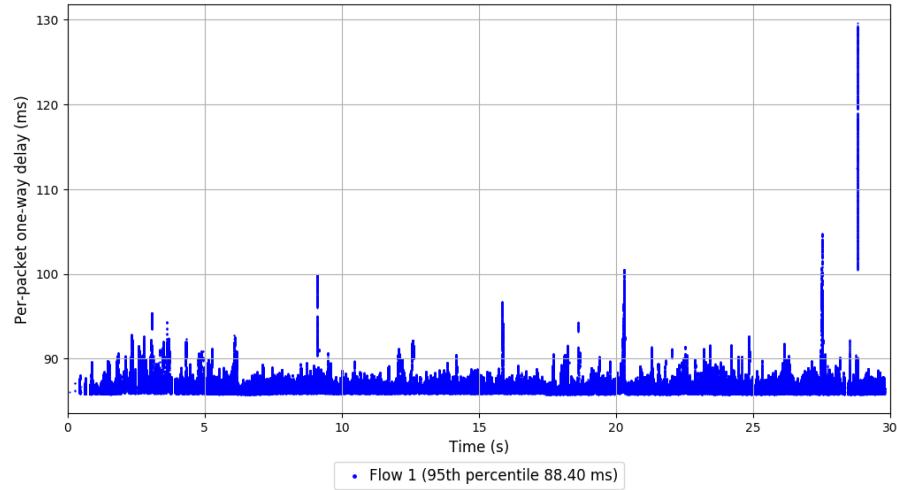
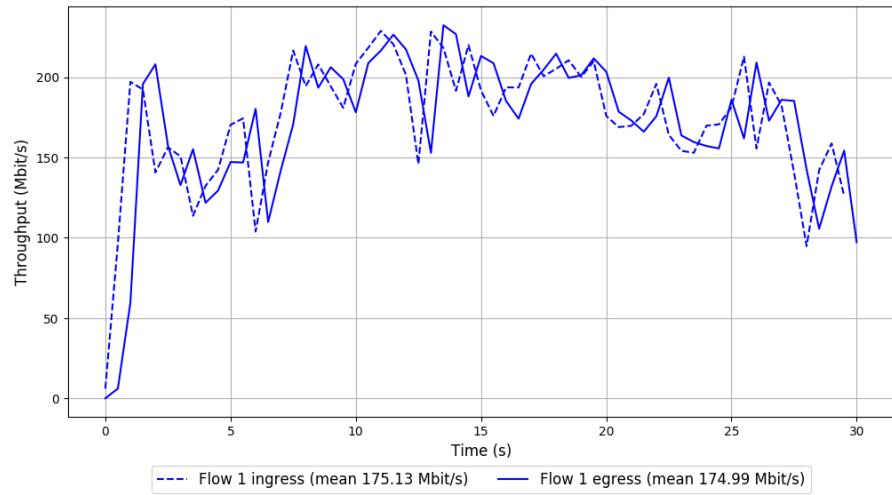


Run 1: Statistics of TaoVA-100x

```
Start at: 2018-06-29 23:04:58
End at: 2018-06-29 23:05:28
Local clock offset: 0.065 ms
Remote clock offset: -0.075 ms

# Below is generated by plot.py at 2018-06-30 03:25:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 174.99 Mbit/s
95th percentile per-packet one-way delay: 88.403 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 174.99 Mbit/s
95th percentile per-packet one-way delay: 88.403 ms
Loss rate: 0.61%
```

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

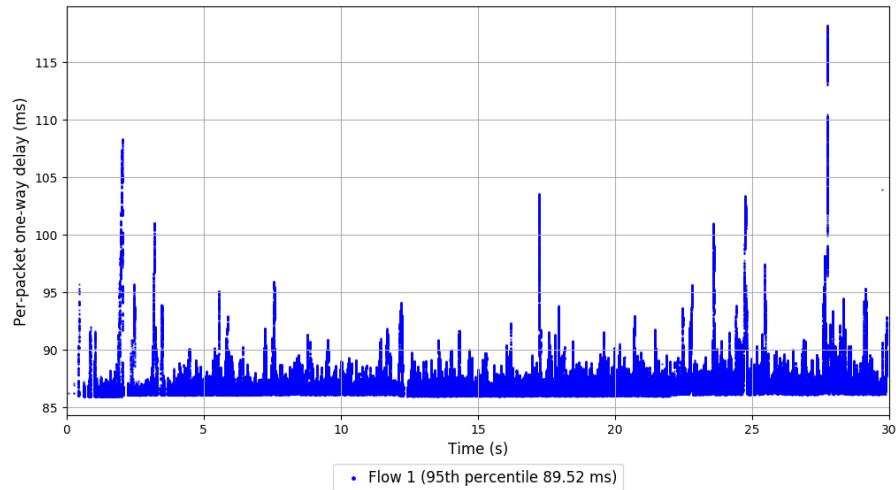
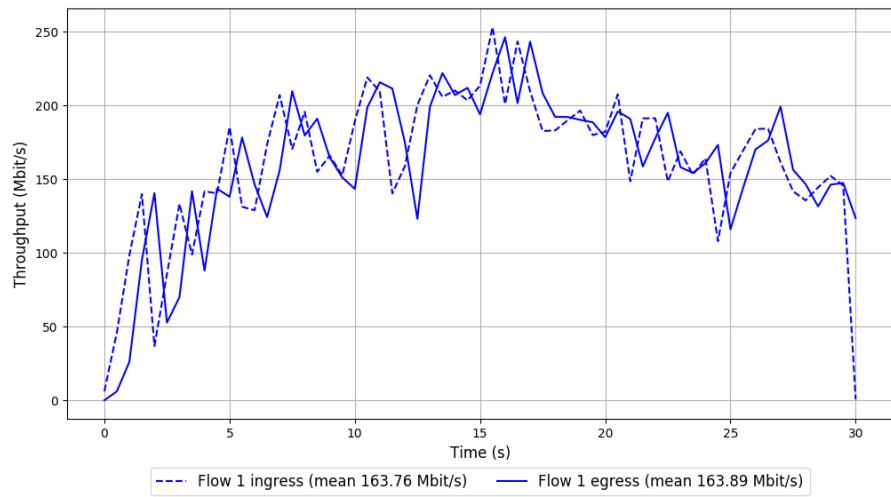


Run 2: Statistics of TaoVA-100x

```
Start at: 2018-06-29 23:25:54
End at: 2018-06-29 23:26:24
Local clock offset: 0.321 ms
Remote clock offset: -0.014 ms

# Below is generated by plot.py at 2018-06-30 03:25:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 163.89 Mbit/s
95th percentile per-packet one-way delay: 89.521 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 163.89 Mbit/s
95th percentile per-packet one-way delay: 89.521 ms
Loss rate: 0.50%
```

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

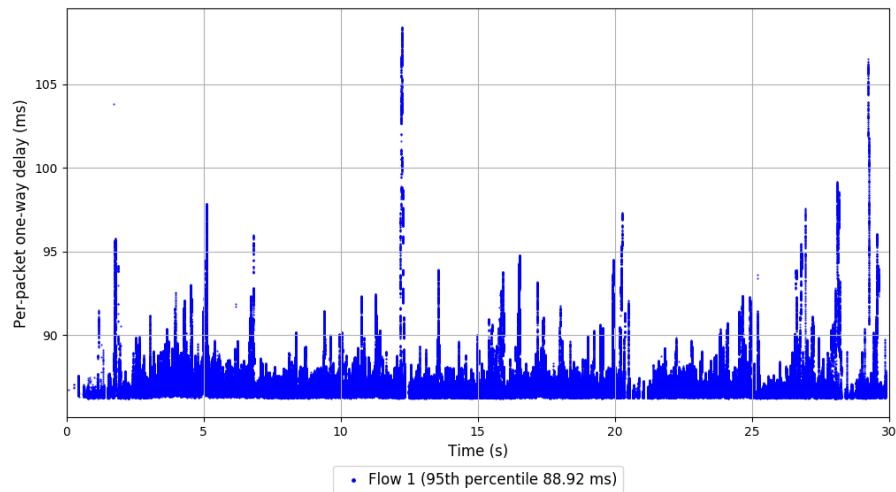
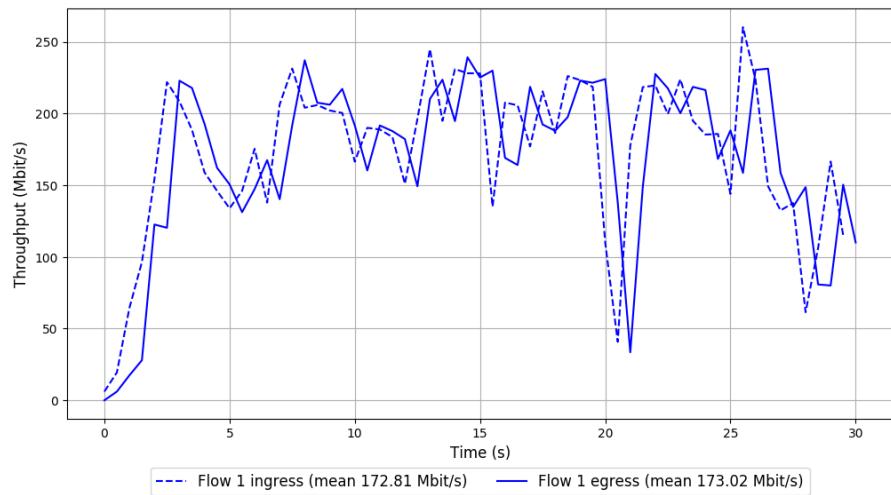


Run 3: Statistics of TaoVA-100x

```
Start at: 2018-06-29 23:47:00
End at: 2018-06-29 23:47:30
Local clock offset: 0.076 ms
Remote clock offset: 0.006 ms

# Below is generated by plot.py at 2018-06-30 03:25:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 173.02 Mbit/s
95th percentile per-packet one-way delay: 88.924 ms
Loss rate: 0.46%
-- Flow 1:
Average throughput: 173.02 Mbit/s
95th percentile per-packet one-way delay: 88.924 ms
Loss rate: 0.46%
```

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

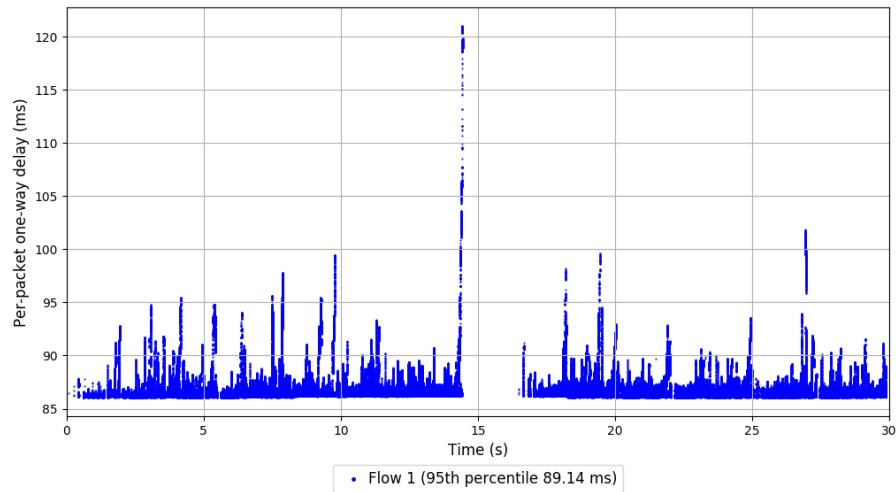
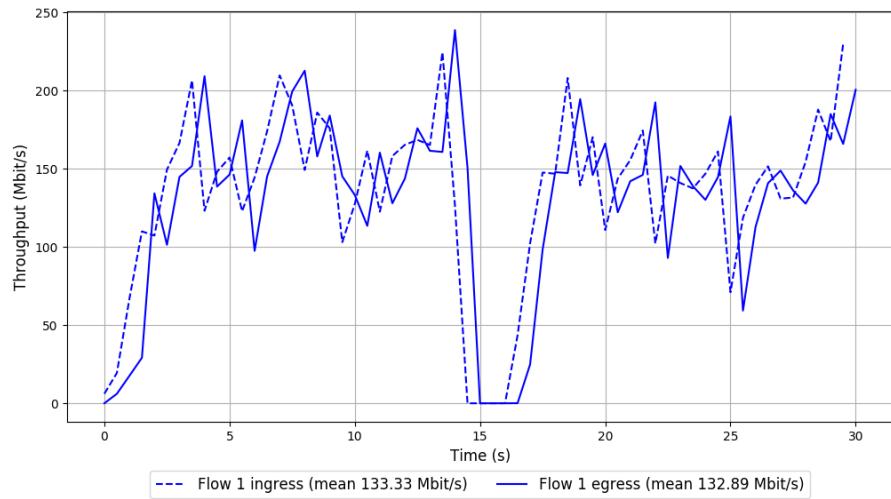


Run 4: Statistics of TaoVA-100x

```
Start at: 2018-06-30 00:07:57
End at: 2018-06-30 00:08:27
Local clock offset: 0.217 ms
Remote clock offset: 0.025 ms

# Below is generated by plot.py at 2018-06-30 03:25:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 132.89 Mbit/s
95th percentile per-packet one-way delay: 89.135 ms
Loss rate: 0.91%
-- Flow 1:
Average throughput: 132.89 Mbit/s
95th percentile per-packet one-way delay: 89.135 ms
Loss rate: 0.91%
```

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

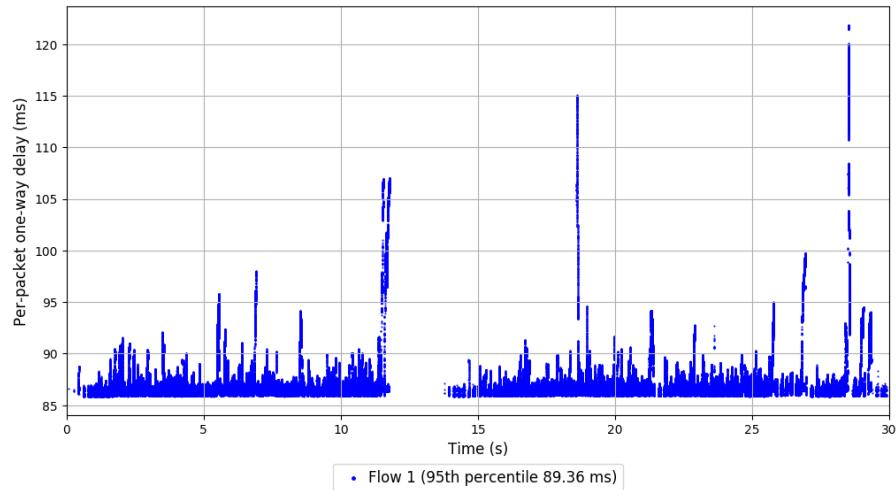
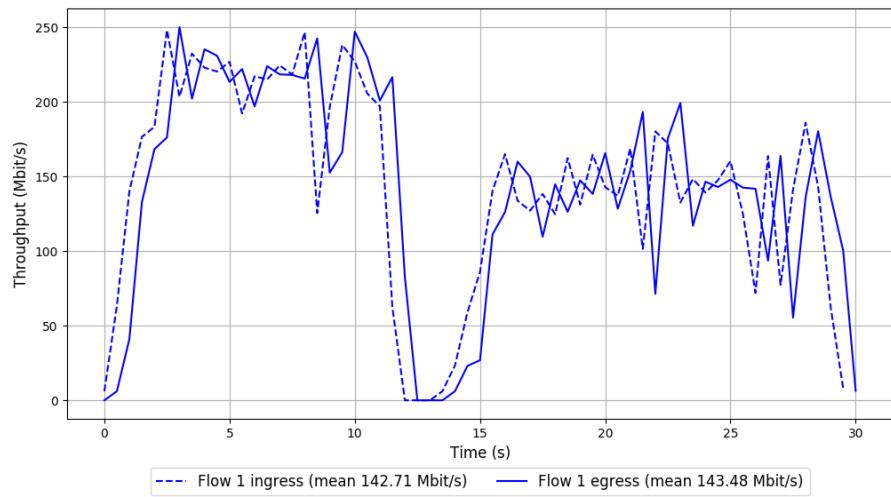


Run 5: Statistics of TaoVA-100x

```
Start at: 2018-06-30 00:29:11
End at: 2018-06-30 00:29:41
Local clock offset: 0.051 ms
Remote clock offset: 0.119 ms

# Below is generated by plot.py at 2018-06-30 03:25:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 143.48 Mbit/s
95th percentile per-packet one-way delay: 89.356 ms
Loss rate: 0.04%
-- Flow 1:
Average throughput: 143.48 Mbit/s
95th percentile per-packet one-way delay: 89.356 ms
Loss rate: 0.04%
```

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

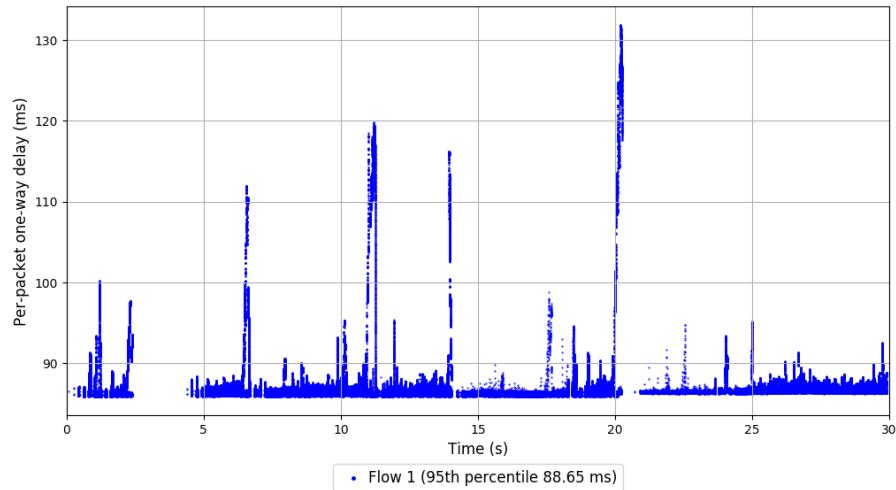
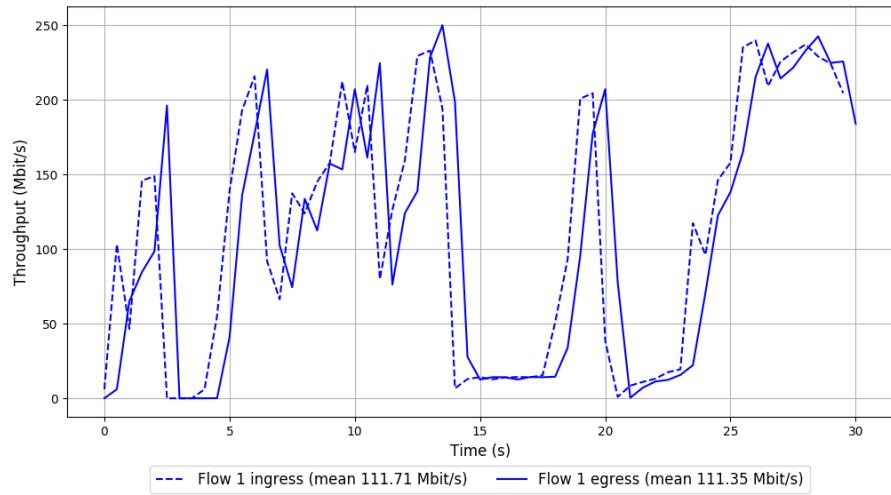


Run 6: Statistics of TaoVA-100x

```
Start at: 2018-06-30 00:50:16
End at: 2018-06-30 00:50:46
Local clock offset: -0.006 ms
Remote clock offset: 0.238 ms

# Below is generated by plot.py at 2018-06-30 03:25:31
# Datalink statistics
-- Total of 1 flow:
Average throughput: 111.35 Mbit/s
95th percentile per-packet one-way delay: 88.646 ms
Loss rate: 0.90%
-- Flow 1:
Average throughput: 111.35 Mbit/s
95th percentile per-packet one-way delay: 88.646 ms
Loss rate: 0.90%
```

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

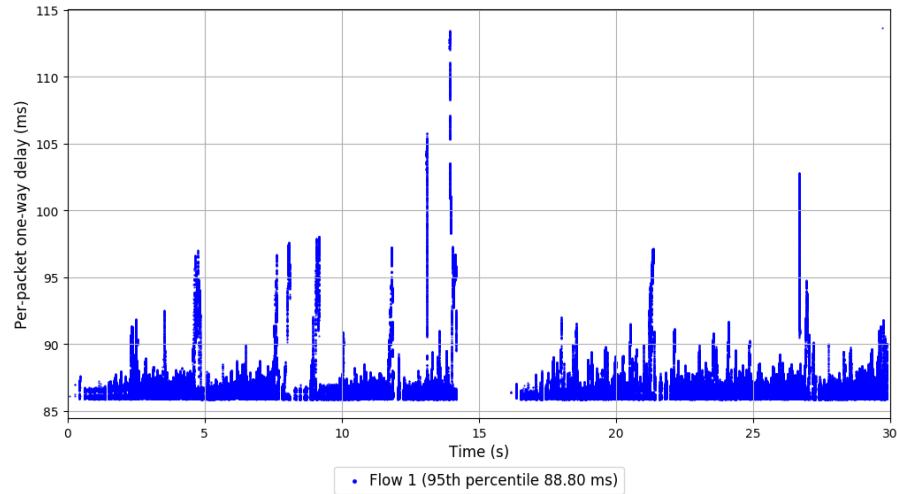
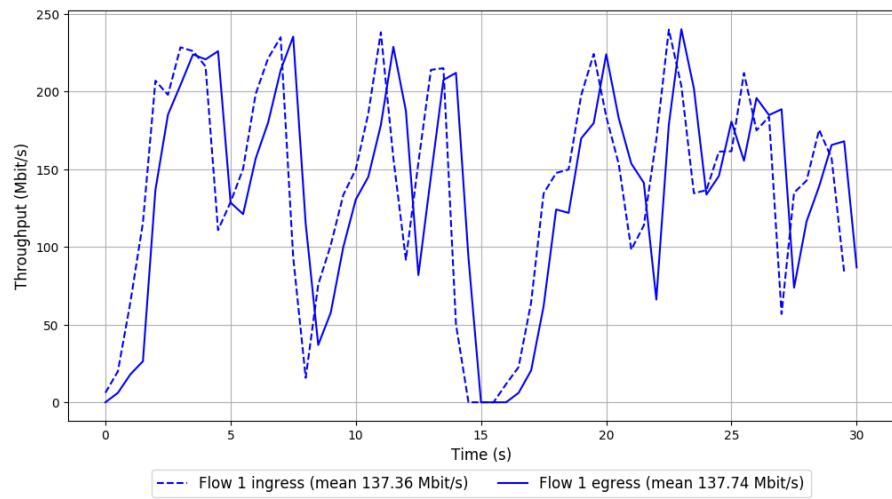


Run 7: Statistics of TaoVA-100x

```
Start at: 2018-06-30 01:11:16
End at: 2018-06-30 01:11:46
Local clock offset: 0.144 ms
Remote clock offset: 0.29 ms

# Below is generated by plot.py at 2018-06-30 03:25:43
# Datalink statistics
-- Total of 1 flow:
Average throughput: 137.74 Mbit/s
95th percentile per-packet one-way delay: 88.798 ms
Loss rate: 0.27%
-- Flow 1:
Average throughput: 137.74 Mbit/s
95th percentile per-packet one-way delay: 88.798 ms
Loss rate: 0.27%
```

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

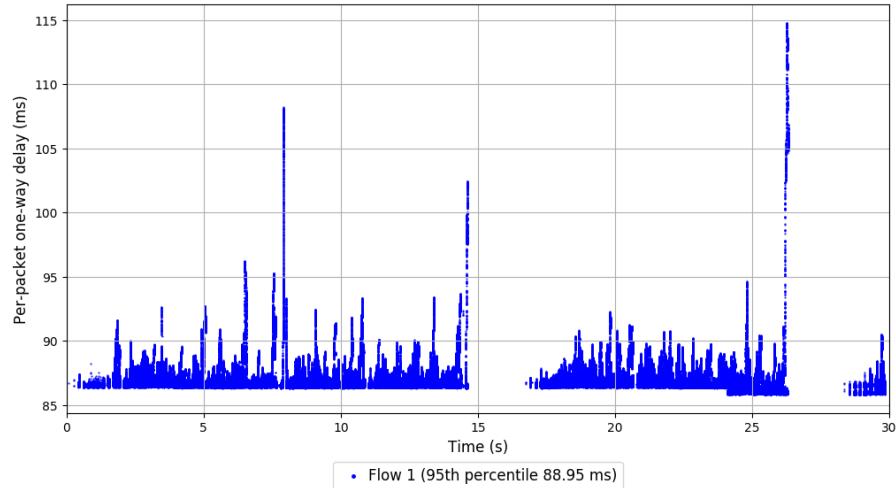
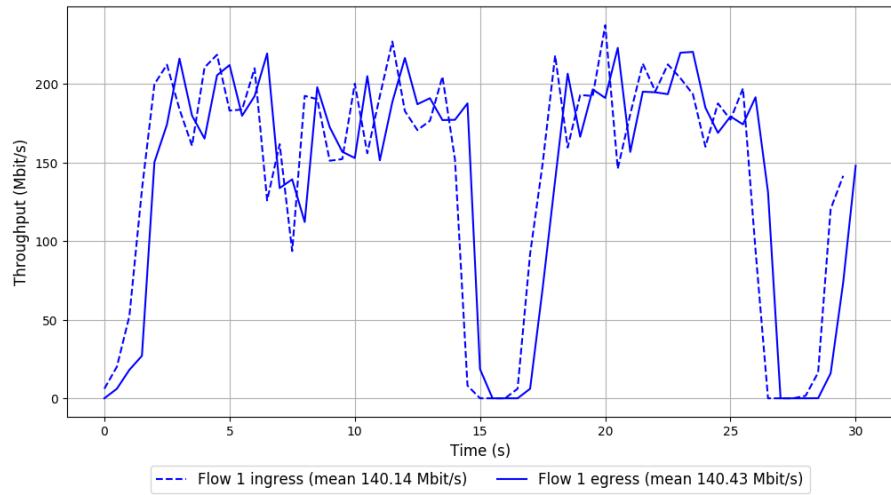


Run 8: Statistics of TaoVA-100x

```
Start at: 2018-06-30 01:32:22
End at: 2018-06-30 01:32:52
Local clock offset: 0.164 ms
Remote clock offset: 0.069 ms

# Below is generated by plot.py at 2018-06-30 03:27:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 140.43 Mbit/s
95th percentile per-packet one-way delay: 88.955 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 140.43 Mbit/s
95th percentile per-packet one-way delay: 88.955 ms
Loss rate: 0.50%
```

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

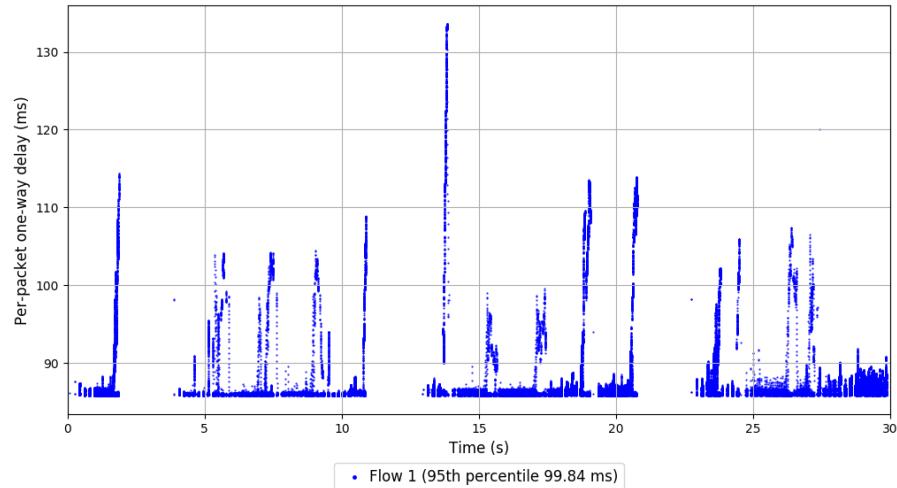
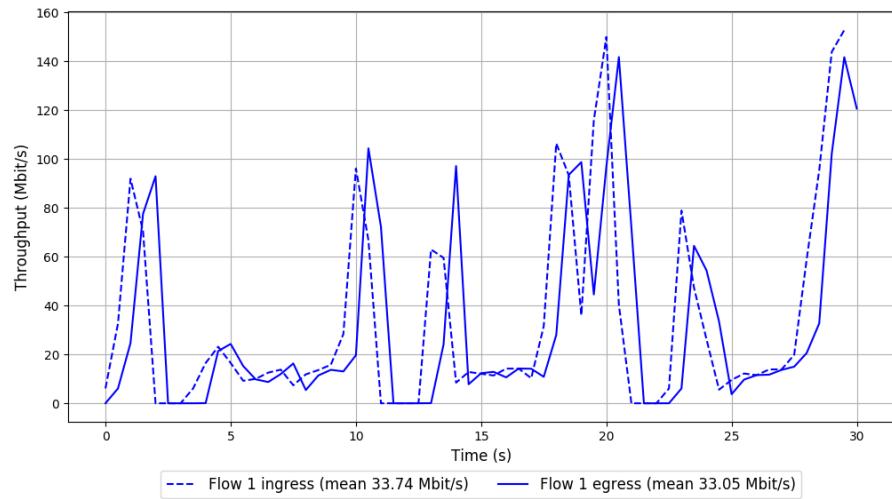


Run 9: Statistics of TaoVA-100x

```
Start at: 2018-06-30 01:53:34
End at: 2018-06-30 01:54:04
Local clock offset: 0.211 ms
Remote clock offset: 0.003 ms

# Below is generated by plot.py at 2018-06-30 03:27:57
# Datalink statistics
-- Total of 1 flow:
Average throughput: 33.05 Mbit/s
95th percentile per-packet one-way delay: 99.836 ms
Loss rate: 2.69%
-- Flow 1:
Average throughput: 33.05 Mbit/s
95th percentile per-packet one-way delay: 99.836 ms
Loss rate: 2.69%
```

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

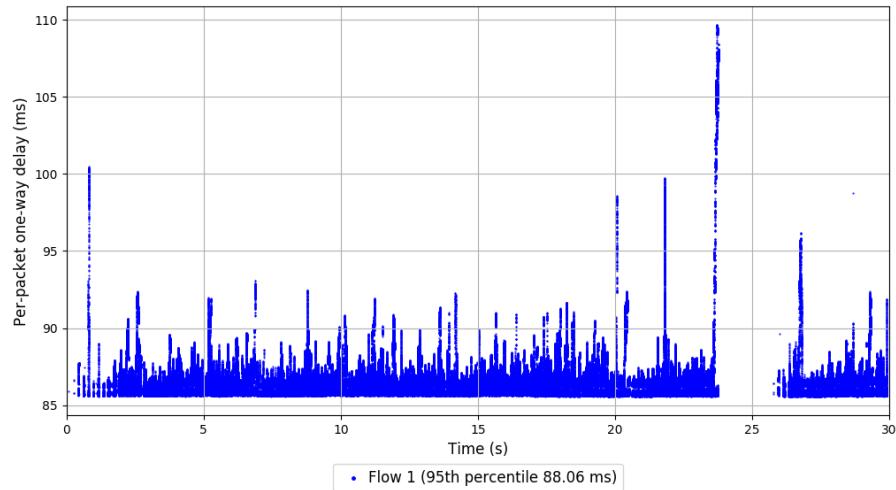
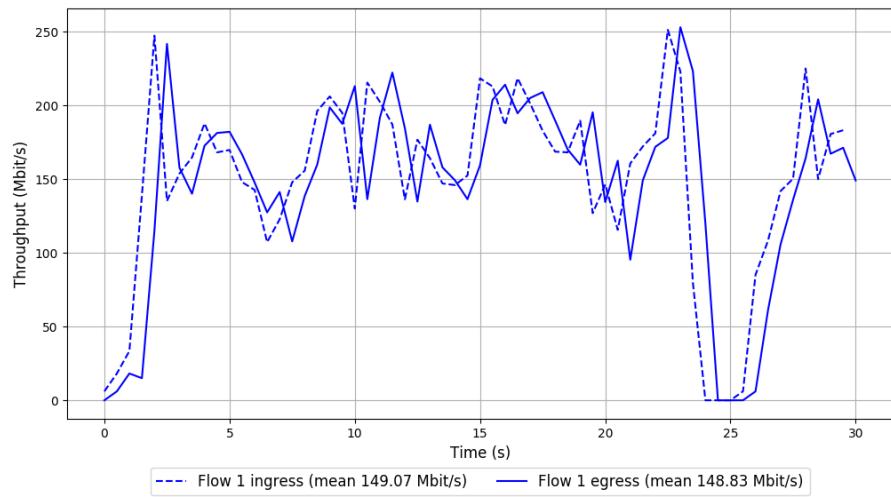


Run 10: Statistics of TaoVA-100x

```
Start at: 2018-06-30 02:14:29
End at: 2018-06-30 02:14:59
Local clock offset: 0.022 ms
Remote clock offset: -0.077 ms

# Below is generated by plot.py at 2018-06-30 03:29:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 148.83 Mbit/s
95th percentile per-packet one-way delay: 88.063 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 148.83 Mbit/s
95th percentile per-packet one-way delay: 88.063 ms
Loss rate: 0.74%
```

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

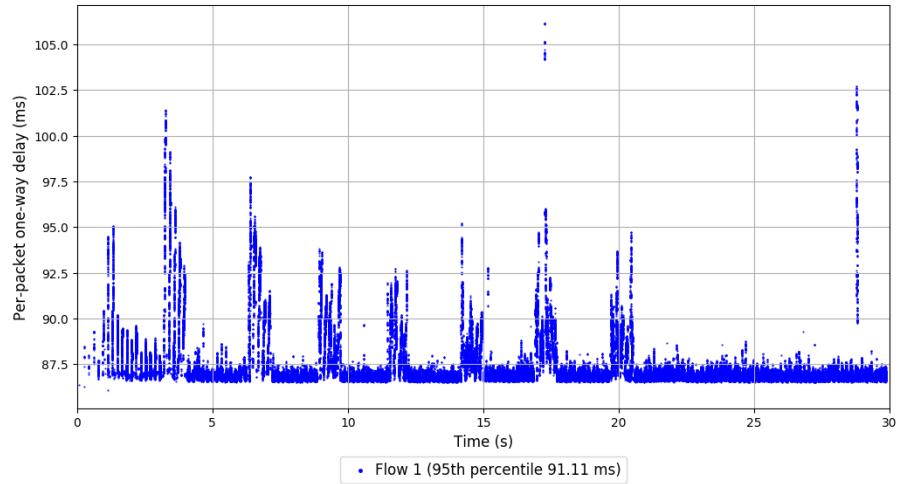
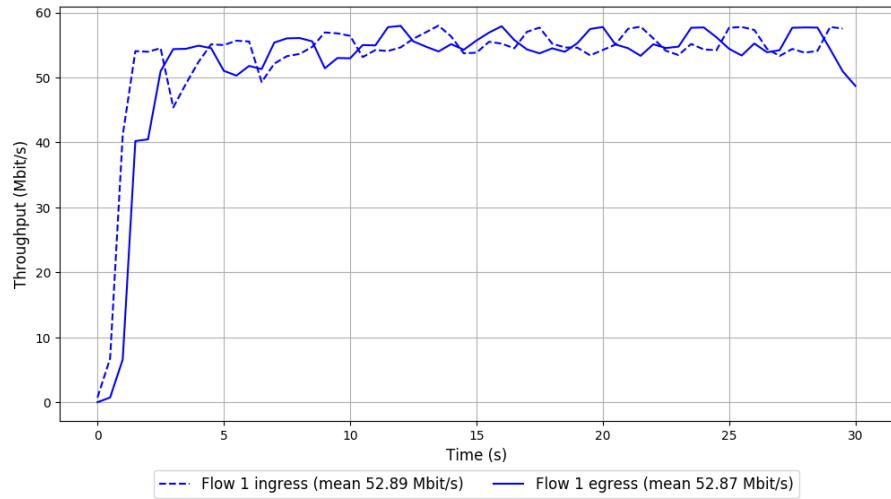


Run 1: Statistics of TCP Vegas

```
Start at: 2018-06-29 23:18:12
End at: 2018-06-29 23:18:42
Local clock offset: 0.371 ms
Remote clock offset: -0.06 ms

# Below is generated by plot.py at 2018-06-30 03:29:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 52.87 Mbit/s
95th percentile per-packet one-way delay: 91.105 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 52.87 Mbit/s
95th percentile per-packet one-way delay: 91.105 ms
Loss rate: 0.61%
```

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

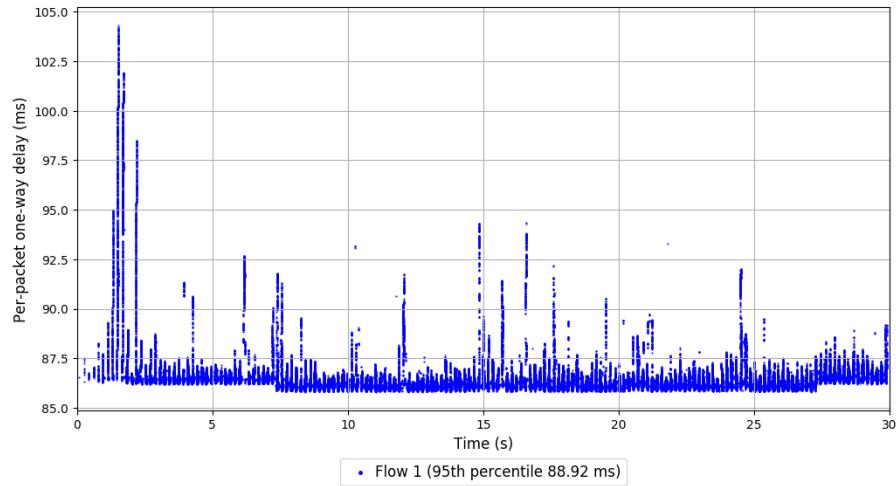
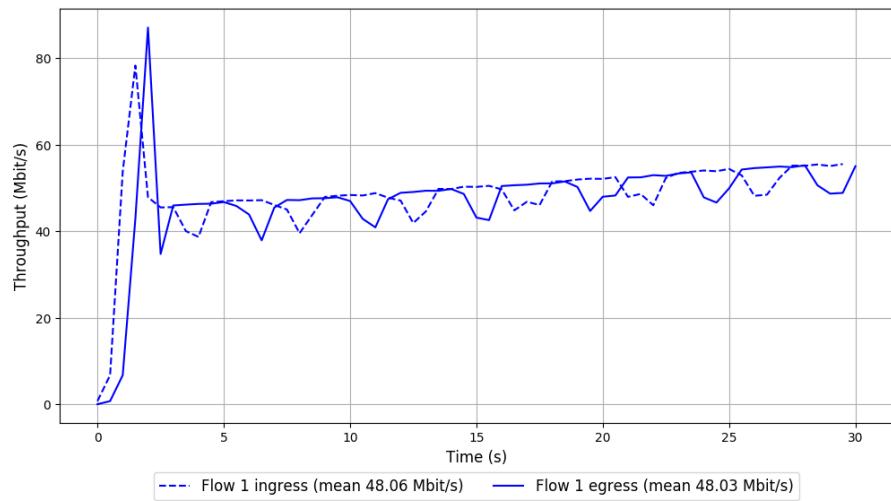


Run 2: Statistics of TCP Vegas

```
Start at: 2018-06-29 23:39:18
End at: 2018-06-29 23:39:48
Local clock offset: 0.042 ms
Remote clock offset: 0.002 ms

# Below is generated by plot.py at 2018-06-30 03:29:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 48.03 Mbit/s
95th percentile per-packet one-way delay: 88.923 ms
Loss rate: 0.64%
-- Flow 1:
Average throughput: 48.03 Mbit/s
95th percentile per-packet one-way delay: 88.923 ms
Loss rate: 0.64%
```

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

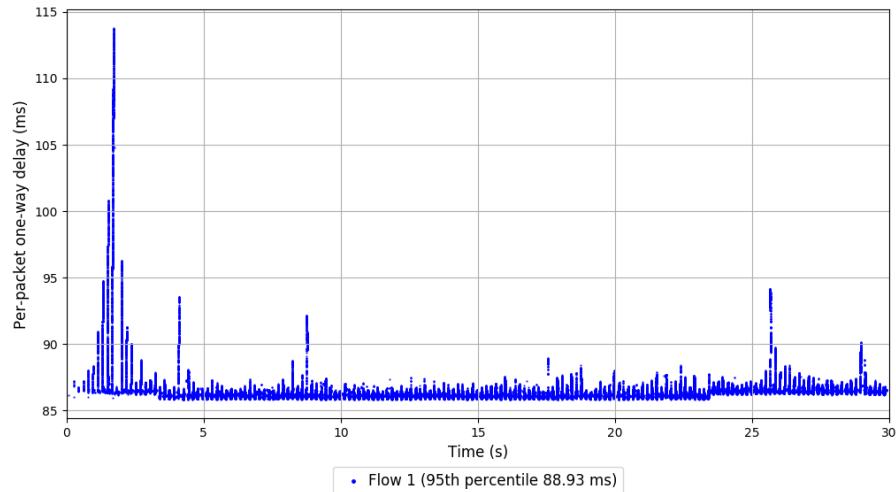
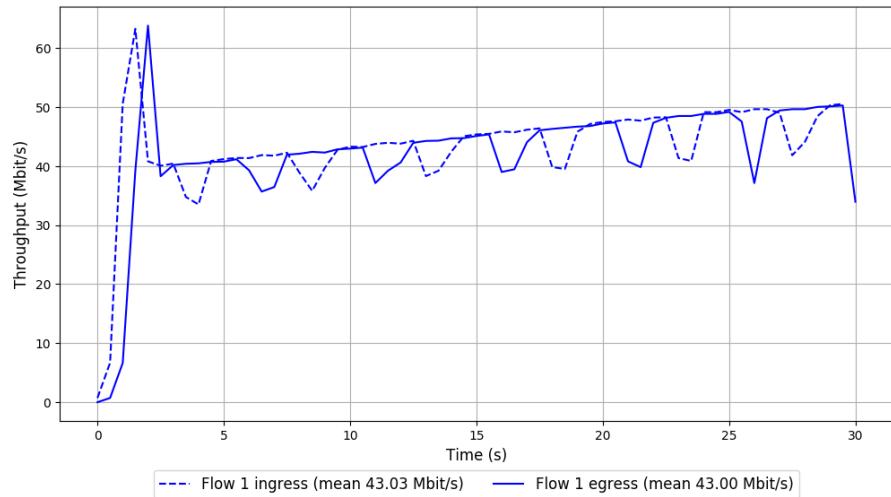


Run 3: Statistics of TCP Vegas

```
Start at: 2018-06-30 00:00:32
End at: 2018-06-30 00:01:03
Local clock offset: 0.02 ms
Remote clock offset: 0.028 ms

# Below is generated by plot.py at 2018-06-30 03:29:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 43.00 Mbit/s
95th percentile per-packet one-way delay: 88.928 ms
Loss rate: 0.65%
-- Flow 1:
Average throughput: 43.00 Mbit/s
95th percentile per-packet one-way delay: 88.928 ms
Loss rate: 0.65%
```

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

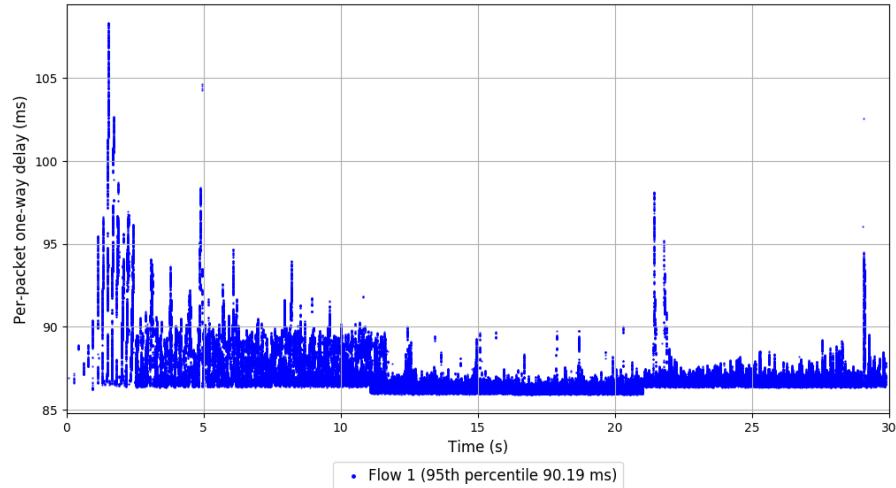
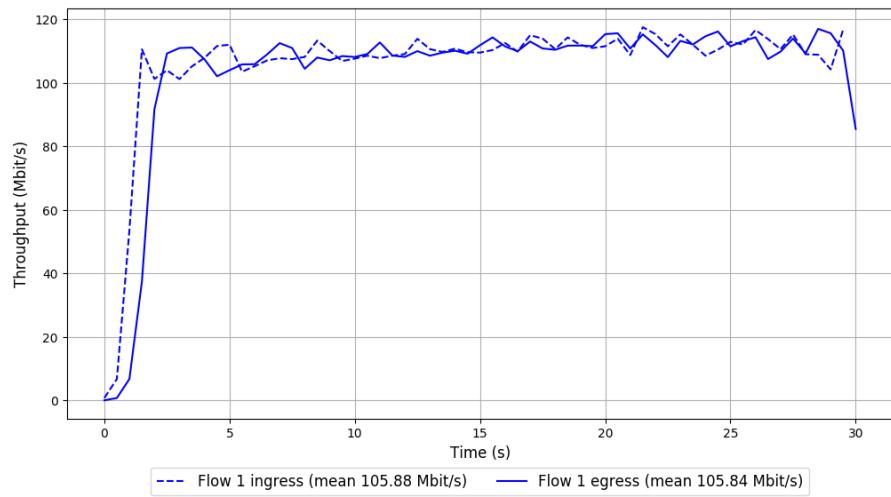


Run 4: Statistics of TCP Vegas

```
Start at: 2018-06-30 00:21:25
End at: 2018-06-30 00:21:55
Local clock offset: 0.139 ms
Remote clock offset: 0.124 ms

# Below is generated by plot.py at 2018-06-30 03:29:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 105.84 Mbit/s
95th percentile per-packet one-way delay: 90.195 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 105.84 Mbit/s
95th percentile per-packet one-way delay: 90.195 ms
Loss rate: 0.61%
```

Run 4: Report of TCP Vegas — Data Link

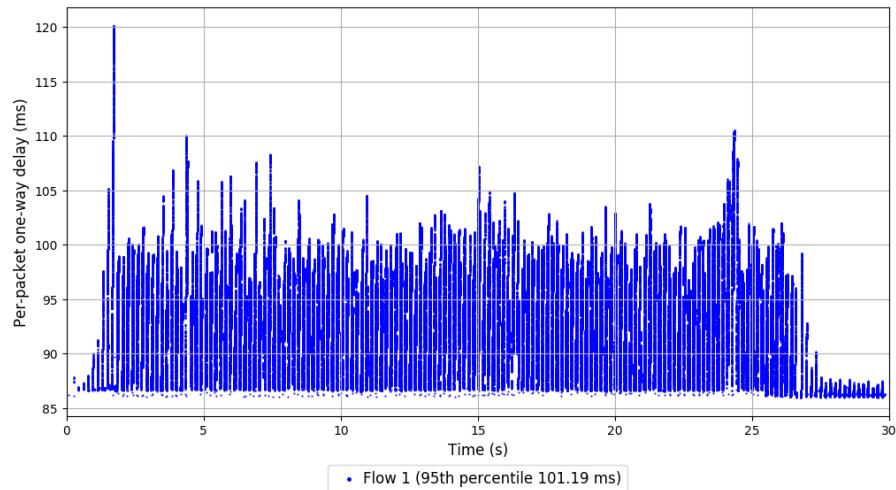
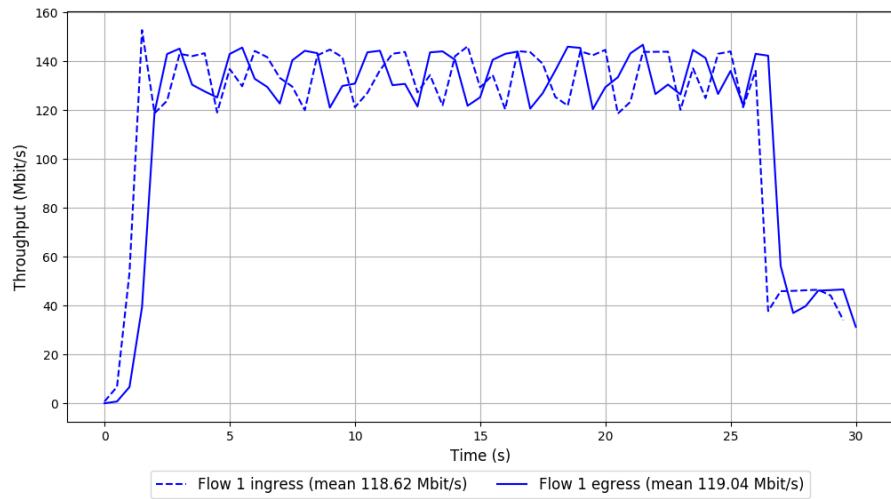


Run 5: Statistics of TCP Vegas

```
Start at: 2018-06-30 00:42:40
End at: 2018-06-30 00:43:10
Local clock offset: 0.187 ms
Remote clock offset: 0.219 ms

# Below is generated by plot.py at 2018-06-30 03:29:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 119.04 Mbit/s
95th percentile per-packet one-way delay: 101.194 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 119.04 Mbit/s
95th percentile per-packet one-way delay: 101.194 ms
Loss rate: 0.22%
```

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

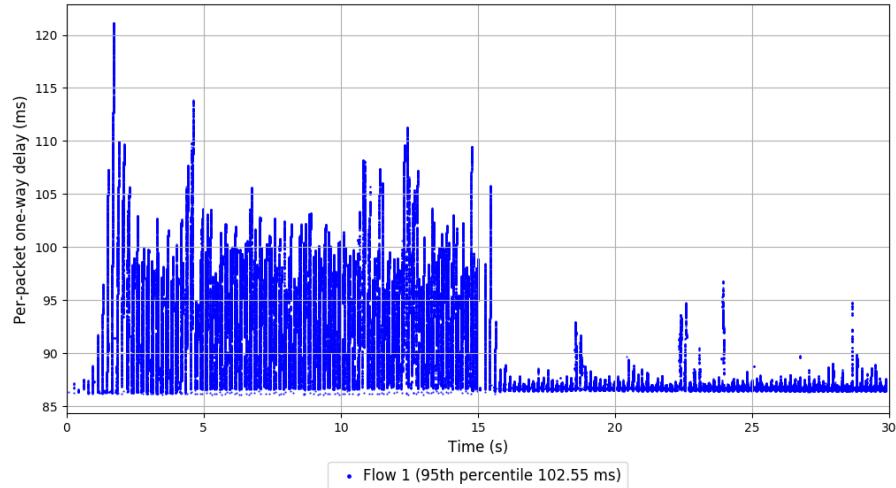
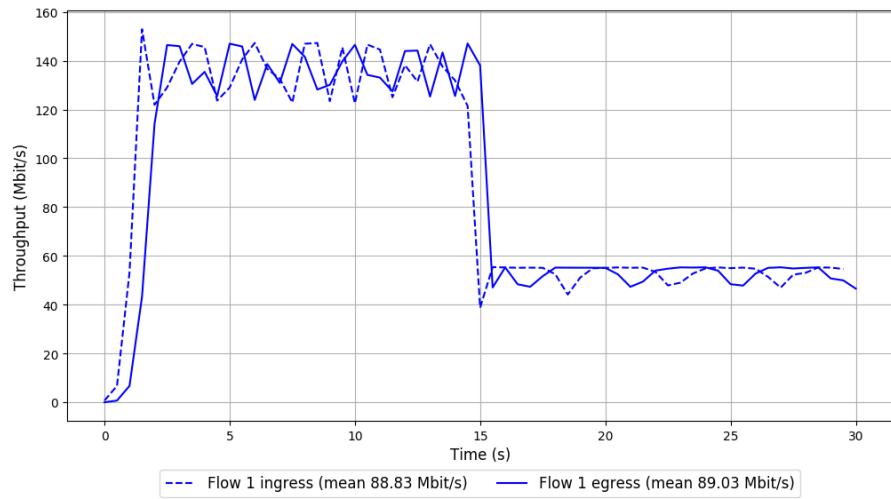


Run 6: Statistics of TCP Vegas

```
Start at: 2018-06-30 01:03:41
End at: 2018-06-30 01:04:11
Local clock offset: 0.112 ms
Remote clock offset: 0.268 ms

# Below is generated by plot.py at 2018-06-30 03:29:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 89.03 Mbit/s
95th percentile per-packet one-way delay: 102.547 ms
Loss rate: 0.35%
-- Flow 1:
Average throughput: 89.03 Mbit/s
95th percentile per-packet one-way delay: 102.547 ms
Loss rate: 0.35%
```

Run 6: Report of TCP Vegas — Data Link

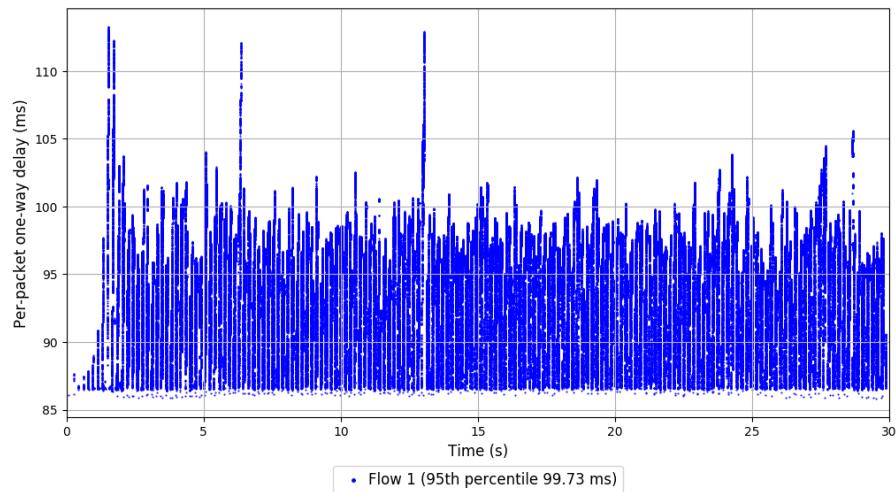
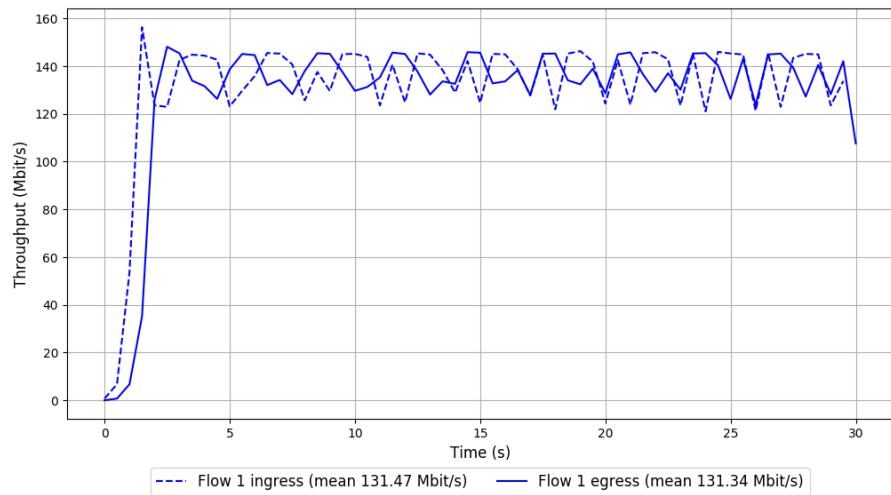


Run 7: Statistics of TCP Vegas

```
Start at: 2018-06-30 01:24:41
End at: 2018-06-30 01:25:11
Local clock offset: 0.1 ms
Remote clock offset: 0.107 ms

# Below is generated by plot.py at 2018-06-30 03:29:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 131.34 Mbit/s
95th percentile per-packet one-way delay: 99.735 ms
Loss rate: 0.67%
-- Flow 1:
Average throughput: 131.34 Mbit/s
95th percentile per-packet one-way delay: 99.735 ms
Loss rate: 0.67%
```

Run 7: Report of TCP Vegas — Data Link

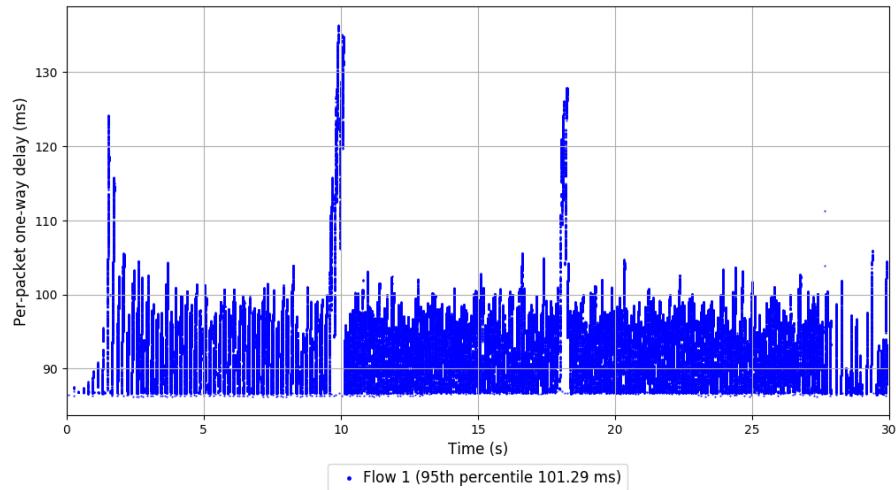
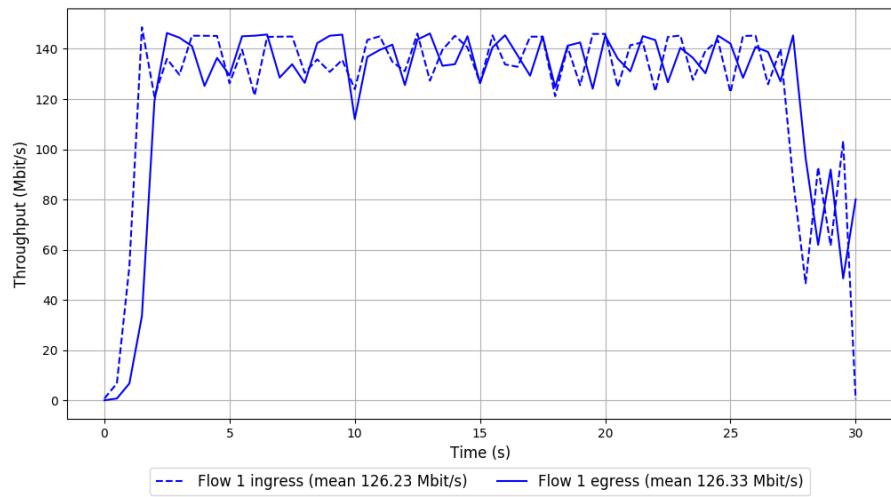


Run 8: Statistics of TCP Vegas

```
Start at: 2018-06-30 01:45:53
End at: 2018-06-30 01:46:23
Local clock offset: 0.37 ms
Remote clock offset: 0.071 ms

# Below is generated by plot.py at 2018-06-30 03:29:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 126.33 Mbit/s
95th percentile per-packet one-way delay: 101.294 ms
Loss rate: 0.50%
-- Flow 1:
Average throughput: 126.33 Mbit/s
95th percentile per-packet one-way delay: 101.294 ms
Loss rate: 0.50%
```

Run 8: Report of TCP Vegas — Data Link

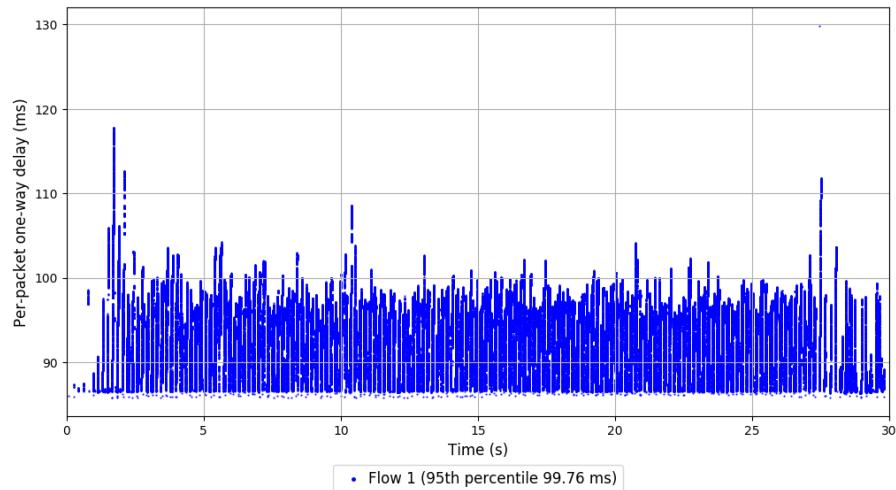
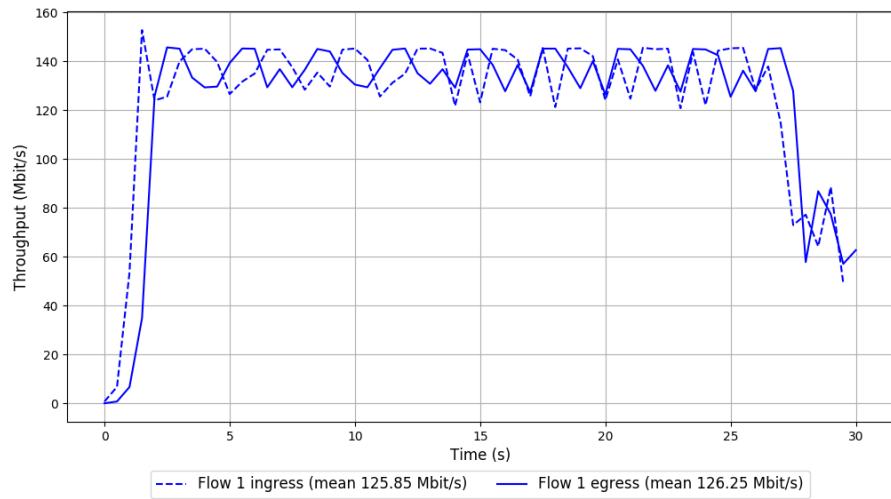


Run 9: Statistics of TCP Vegas

```
Start at: 2018-06-30 02:06:40
End at: 2018-06-30 02:07:10
Local clock offset: 0.217 ms
Remote clock offset: -0.026 ms

# Below is generated by plot.py at 2018-06-30 03:29:19
# Datalink statistics
-- Total of 1 flow:
Average throughput: 126.25 Mbit/s
95th percentile per-packet one-way delay: 99.758 ms
Loss rate: 0.29%
-- Flow 1:
Average throughput: 126.25 Mbit/s
95th percentile per-packet one-way delay: 99.758 ms
Loss rate: 0.29%
```

Run 9: Report of TCP Vegas — Data Link

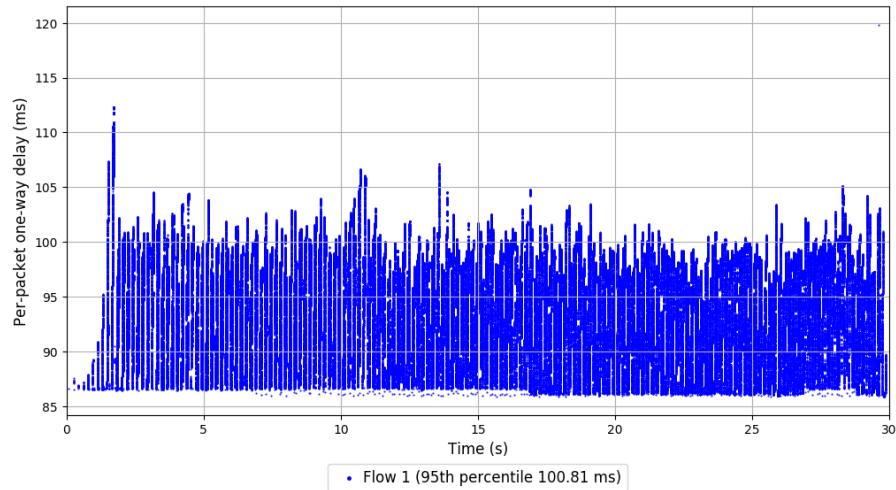
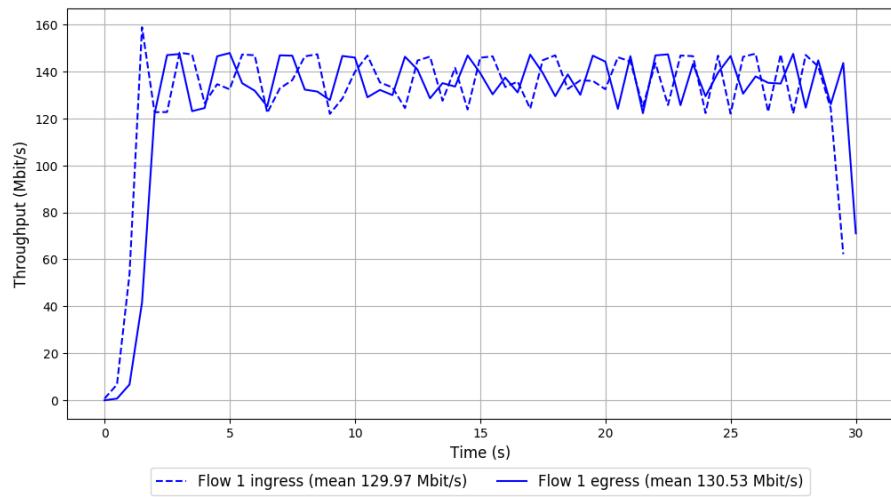


Run 10: Statistics of TCP Vegas

```
Start at: 2018-06-30 02:27:49
End at: 2018-06-30 02:28:19
Local clock offset: 0.188 ms
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2018-06-30 03:29:30
# Datalink statistics
-- Total of 1 flow:
Average throughput: 130.53 Mbit/s
95th percentile per-packet one-way delay: 100.806 ms
Loss rate: 0.16%
-- Flow 1:
Average throughput: 130.53 Mbit/s
95th percentile per-packet one-way delay: 100.806 ms
Loss rate: 0.16%
```

Run 10: Report of TCP Vegas — Data Link

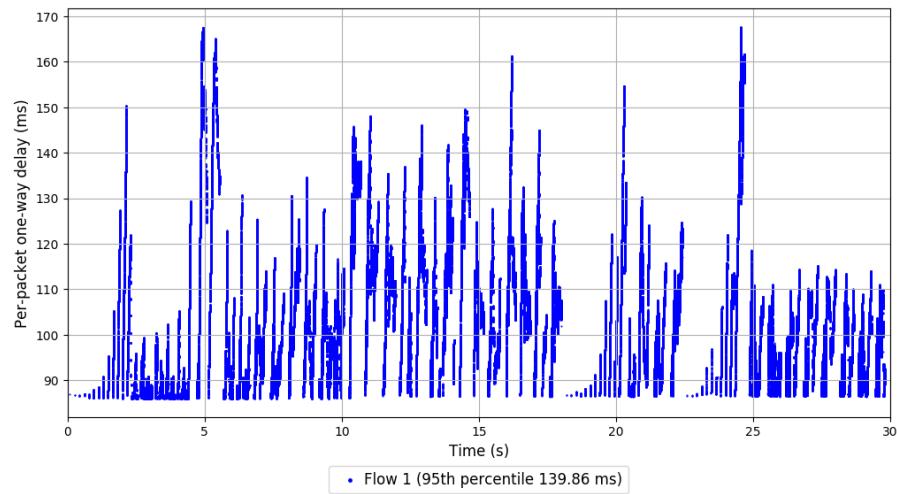
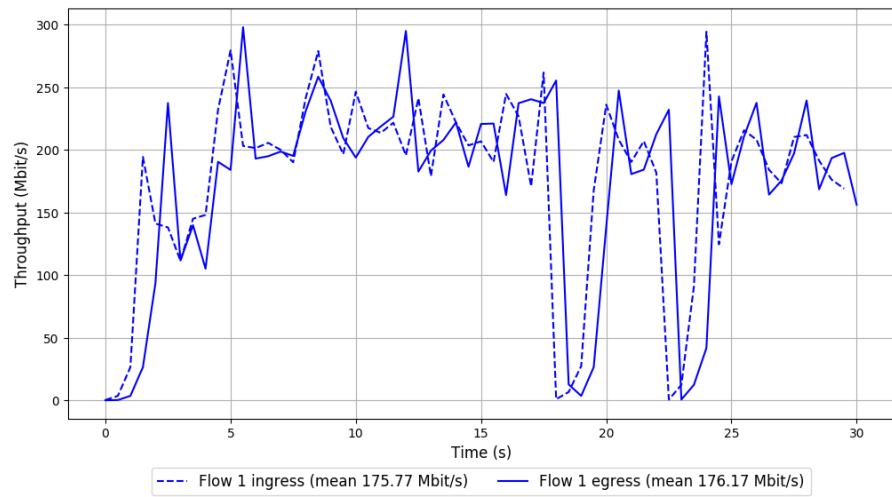


Run 1: Statistics of Verus

```
Start at: 2018-06-29 23:20:55
End at: 2018-06-29 23:21:25
Local clock offset: 0.177 ms
Remote clock offset: -0.027 ms

# Below is generated by plot.py at 2018-06-30 03:30:52
# Datalink statistics
-- Total of 1 flow:
Average throughput: 176.17 Mbit/s
95th percentile per-packet one-way delay: 139.858 ms
Loss rate: 0.41%
-- Flow 1:
Average throughput: 176.17 Mbit/s
95th percentile per-packet one-way delay: 139.858 ms
Loss rate: 0.41%
```

Run 1: Report of Verus — Data Link

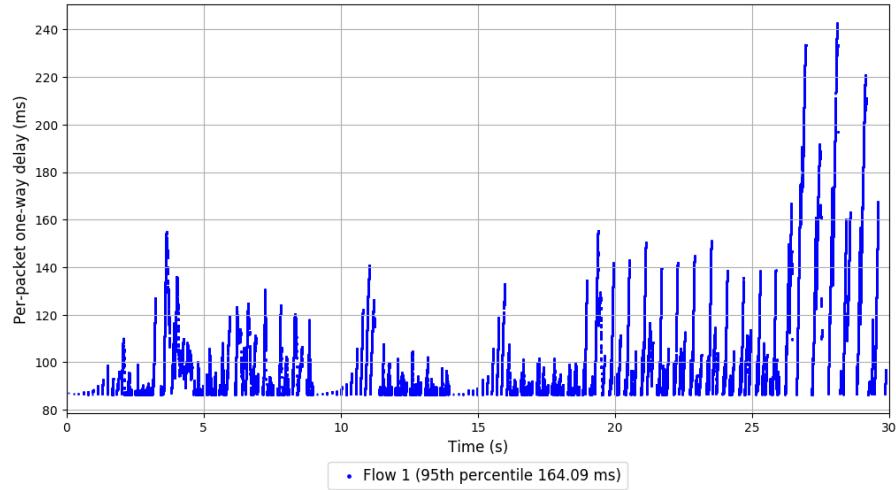
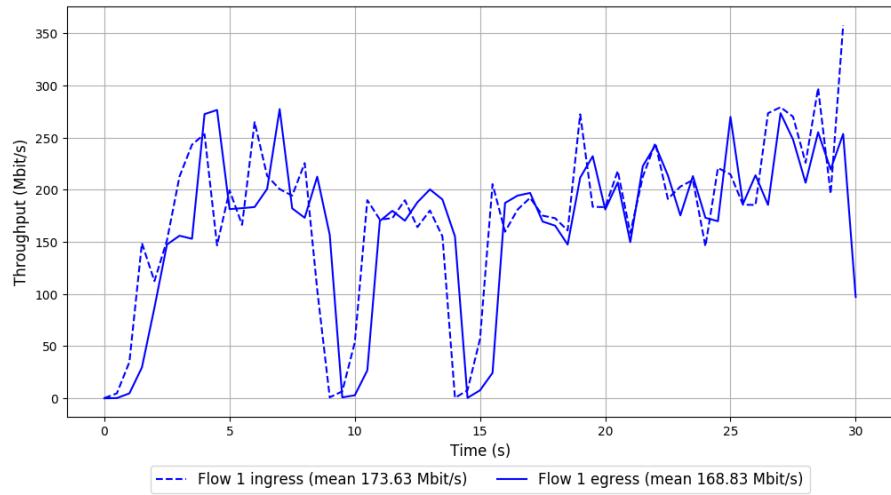


Run 2: Statistics of Verus

```
Start at: 2018-06-29 23:42:02
End at: 2018-06-29 23:42:32
Local clock offset: 0.22 ms
Remote clock offset: 0.039 ms

# Below is generated by plot.py at 2018-06-30 03:31:01
# Datalink statistics
-- Total of 1 flow:
Average throughput: 168.83 Mbit/s
95th percentile per-packet one-way delay: 164.091 ms
Loss rate: 3.33%
-- Flow 1:
Average throughput: 168.83 Mbit/s
95th percentile per-packet one-way delay: 164.091 ms
Loss rate: 3.33%
```

Run 2: Report of Verus — Data Link

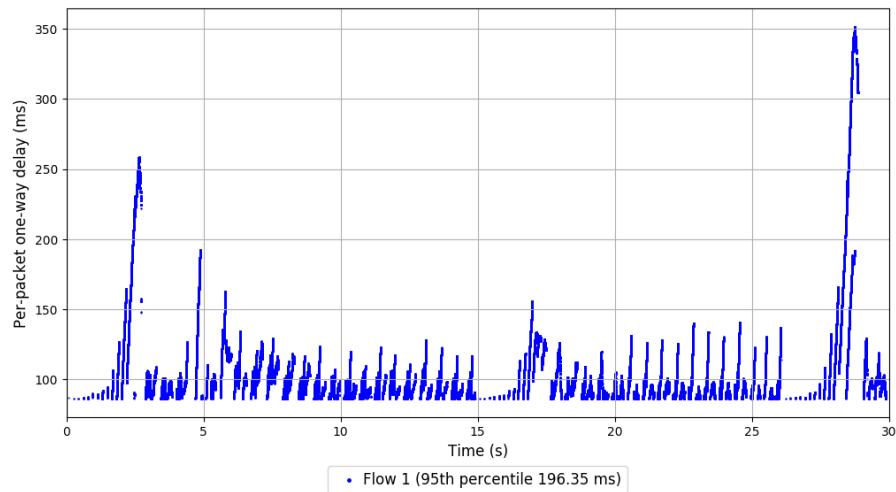
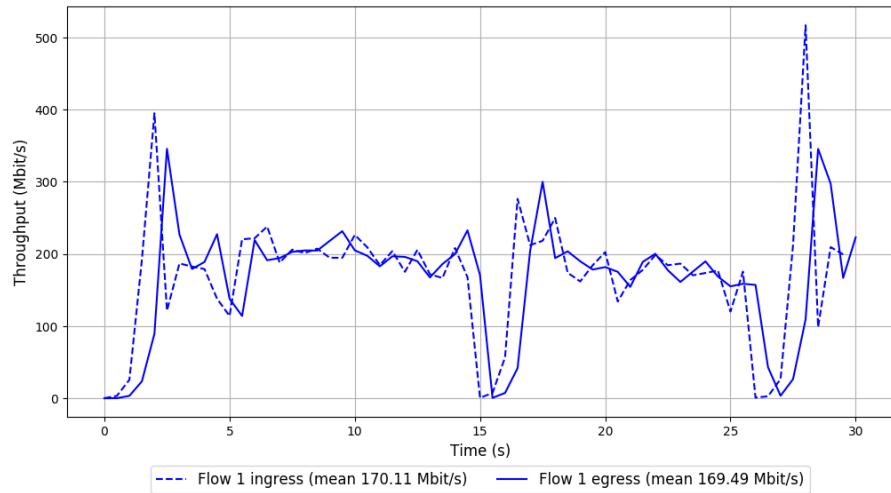


Run 3: Statistics of Verus

```
Start at: 2018-06-30 00:02:59
End at: 2018-06-30 00:03:30
Local clock offset: 0.008 ms
Remote clock offset: -0.003 ms

# Below is generated by plot.py at 2018-06-30 03:31:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 169.49 Mbit/s
95th percentile per-packet one-way delay: 196.346 ms
Loss rate: 0.95%
-- Flow 1:
Average throughput: 169.49 Mbit/s
95th percentile per-packet one-way delay: 196.346 ms
Loss rate: 0.95%
```

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

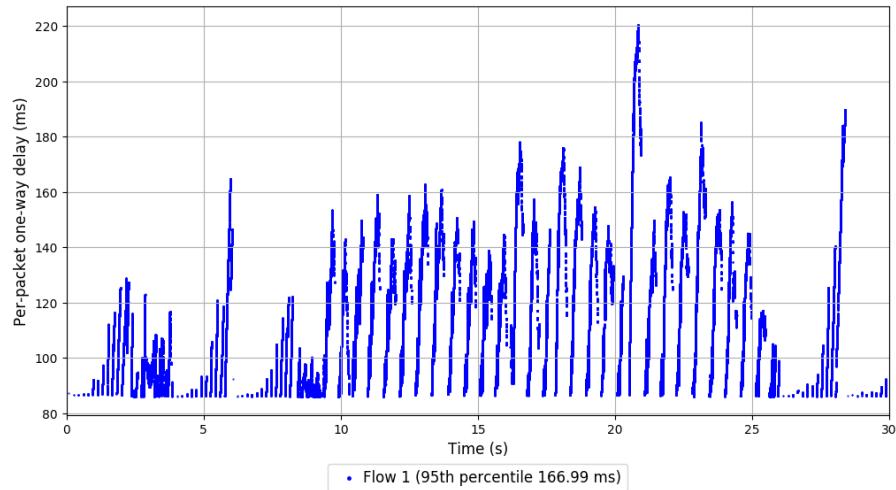
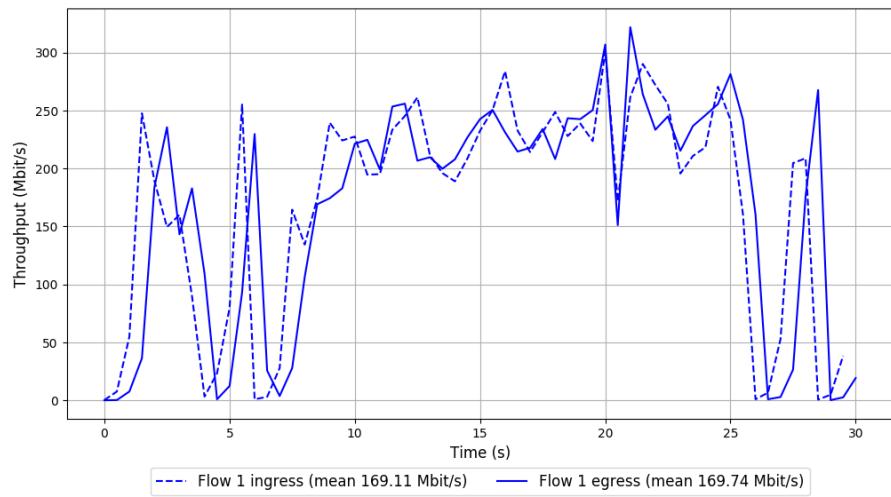


Run 4: Statistics of Verus

```
Start at: 2018-06-30 00:24:13
End at: 2018-06-30 00:24:43
Local clock offset: 0.152 ms
Remote clock offset: 0.139 ms

# Below is generated by plot.py at 2018-06-30 03:31:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 169.74 Mbit/s
95th percentile per-packet one-way delay: 166.986 ms
Loss rate: 0.22%
-- Flow 1:
Average throughput: 169.74 Mbit/s
95th percentile per-packet one-way delay: 166.986 ms
Loss rate: 0.22%
```

## Run 4: Report of Verus — Data Link

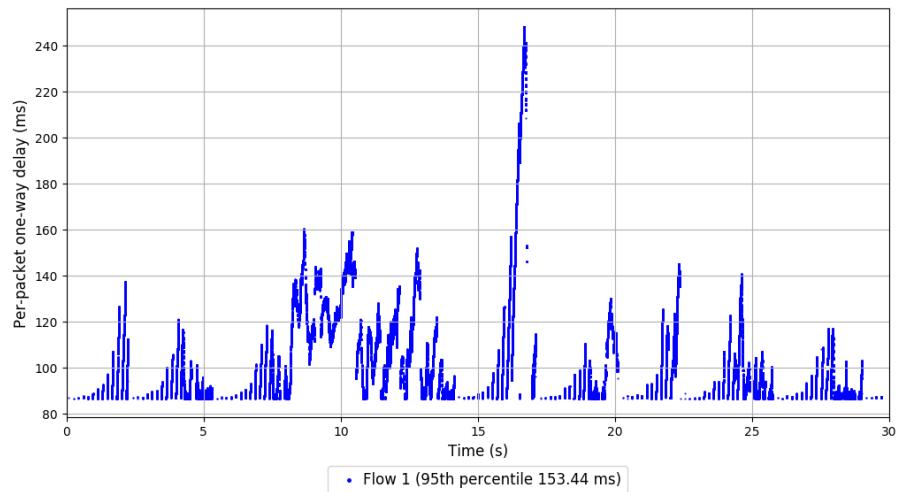
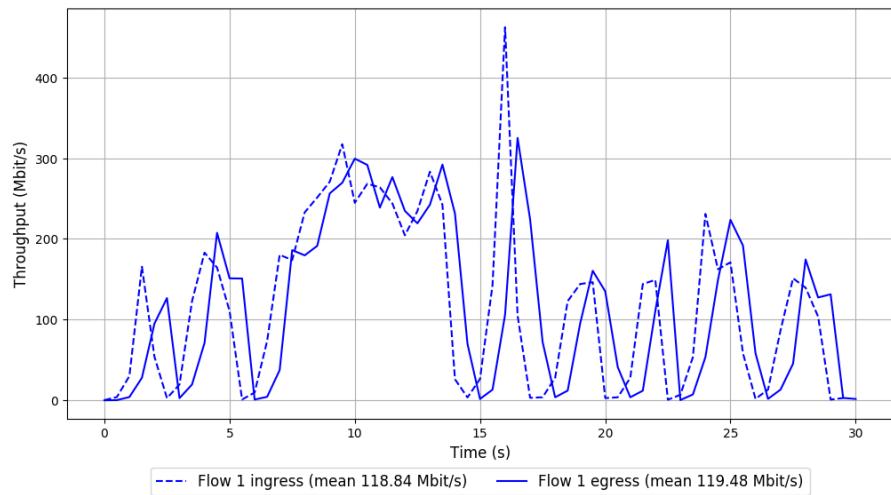


Run 5: Statistics of Verus

```
Start at: 2018-06-30 00:45:21
End at: 2018-06-30 00:45:51
Local clock offset: 0.223 ms
Remote clock offset: 0.226 ms

# Below is generated by plot.py at 2018-06-30 03:31:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 119.48 Mbit/s
95th percentile per-packet one-way delay: 153.442 ms
Loss rate: 0.05%
-- Flow 1:
Average throughput: 119.48 Mbit/s
95th percentile per-packet one-way delay: 153.442 ms
Loss rate: 0.05%
```

Run 5: Report of Verus — Data Link

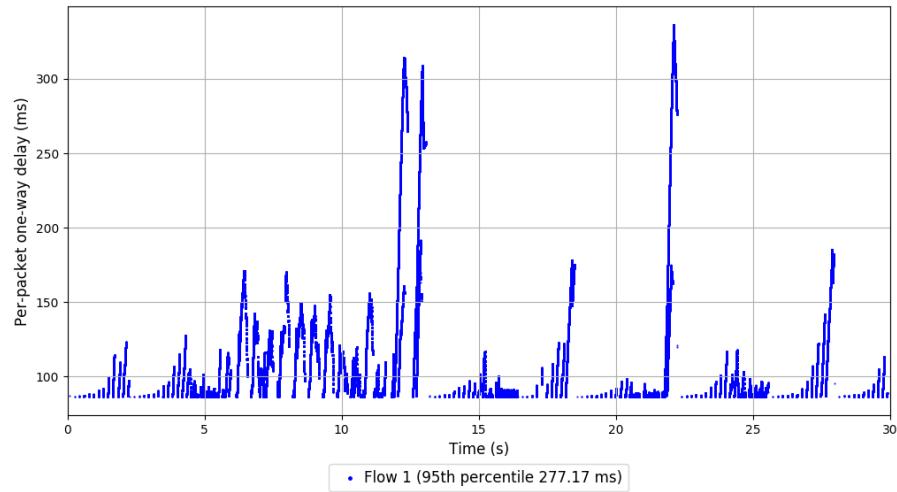
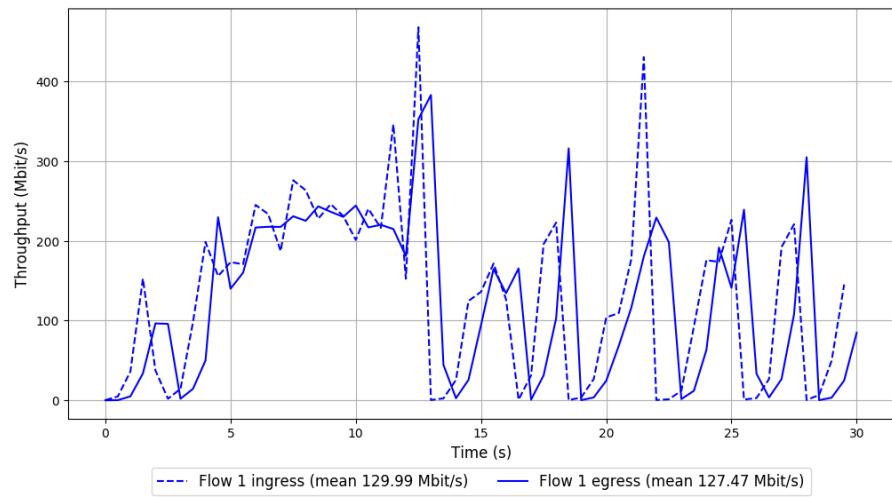


Run 6: Statistics of Verus

```
Start at: 2018-06-30 01:06:22
End at: 2018-06-30 01:06:52
Local clock offset: 0.28 ms
Remote clock offset: 0.29 ms

# Below is generated by plot.py at 2018-06-30 03:31:27
# Datalink statistics
-- Total of 1 flow:
Average throughput: 127.47 Mbit/s
95th percentile per-packet one-way delay: 277.169 ms
Loss rate: 2.51%
-- Flow 1:
Average throughput: 127.47 Mbit/s
95th percentile per-packet one-way delay: 277.169 ms
Loss rate: 2.51%
```

Run 6: Report of Verus — Data Link

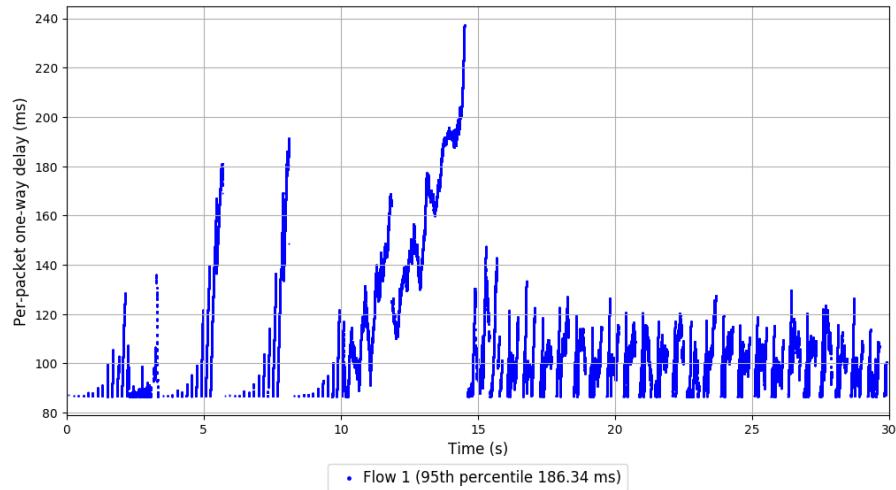
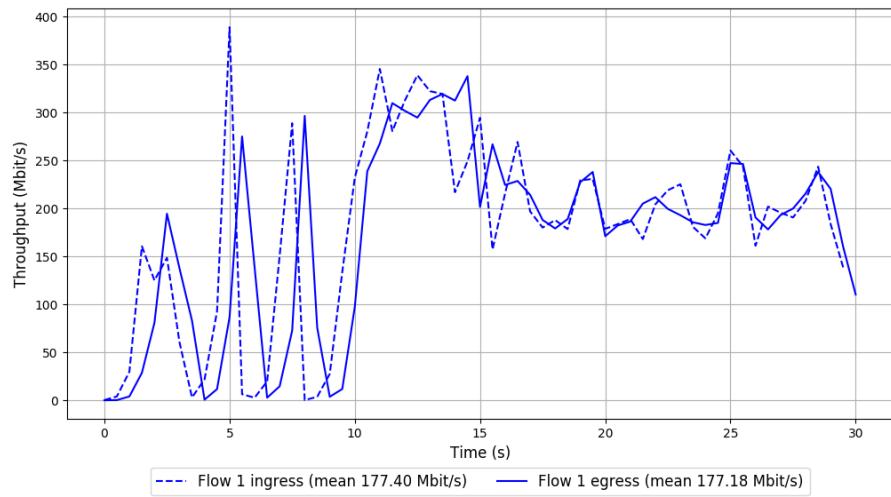


Run 7: Statistics of Verus

```
Start at: 2018-06-30 01:27:23
End at: 2018-06-30 01:27:53
Local clock offset: 0.232 ms
Remote clock offset: 0.048 ms

# Below is generated by plot.py at 2018-06-30 03:32:35
# Datalink statistics
-- Total of 1 flow:
Average throughput: 177.18 Mbit/s
95th percentile per-packet one-way delay: 186.338 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 177.18 Mbit/s
95th percentile per-packet one-way delay: 186.338 ms
Loss rate: 0.71%
```

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

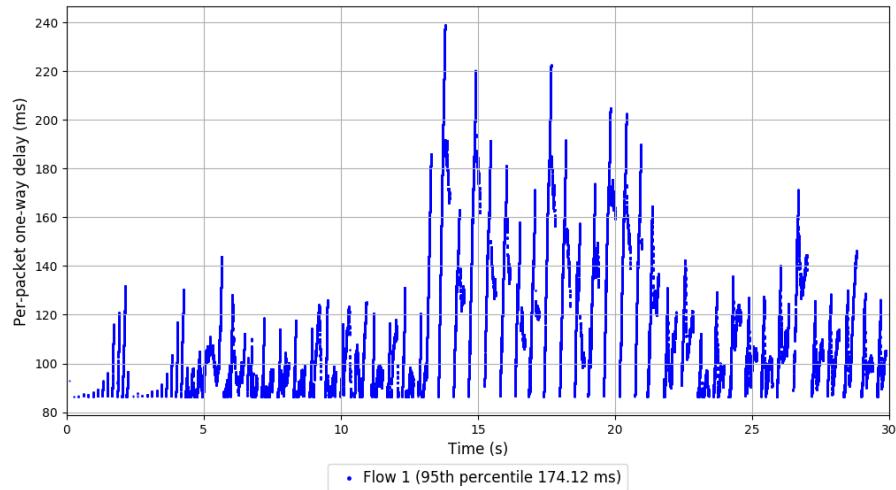
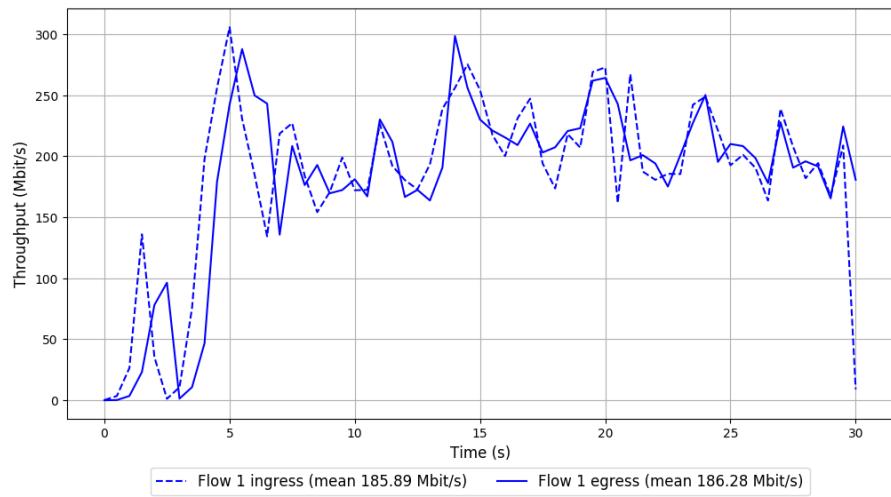


Run 8: Statistics of Verus

```
Start at: 2018-06-30 01:48:37
End at: 2018-06-30 01:49:07
Local clock offset: 0.174 ms
Remote clock offset: 0.038 ms

# Below is generated by plot.py at 2018-06-30 03:33:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 186.28 Mbit/s
95th percentile per-packet one-way delay: 174.118 ms
Loss rate: 0.53%
-- Flow 1:
Average throughput: 186.28 Mbit/s
95th percentile per-packet one-way delay: 174.118 ms
Loss rate: 0.53%
```

Run 8: Report of Verus — Data Link

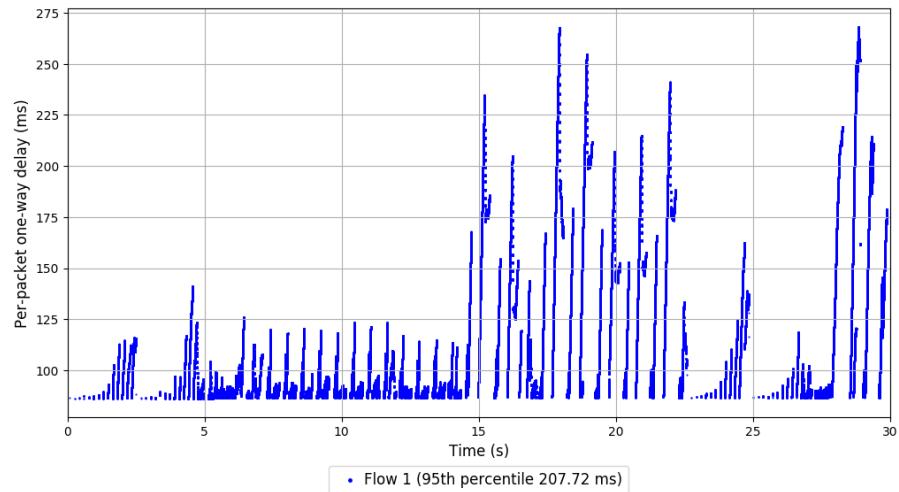
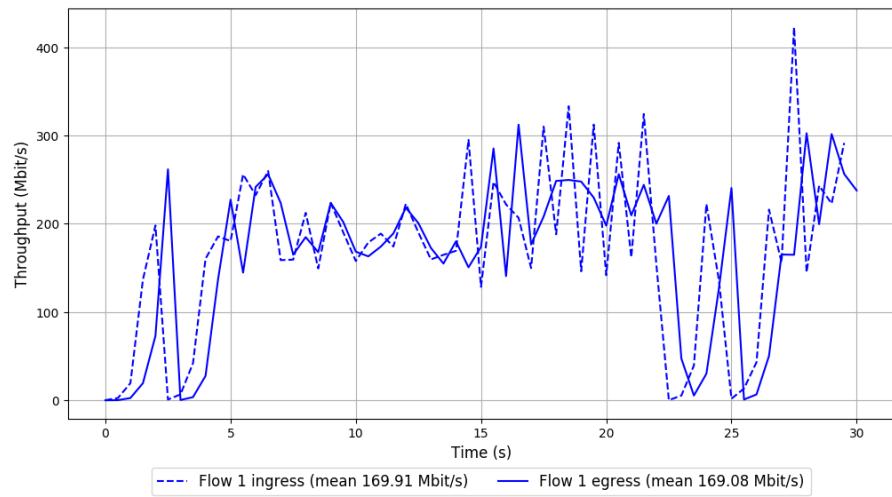


Run 9: Statistics of Verus

```
Start at: 2018-06-30 02:09:30
End at: 2018-06-30 02:10:00
Local clock offset: 0.286 ms
Remote clock offset: -0.106 ms

# Below is generated by plot.py at 2018-06-30 03:33:32
# Datalink statistics
-- Total of 1 flow:
Average throughput: 169.08 Mbit/s
95th percentile per-packet one-way delay: 207.716 ms
Loss rate: 0.71%
-- Flow 1:
Average throughput: 169.08 Mbit/s
95th percentile per-packet one-way delay: 207.716 ms
Loss rate: 0.71%
```

Run 9: Report of Verus — Data Link

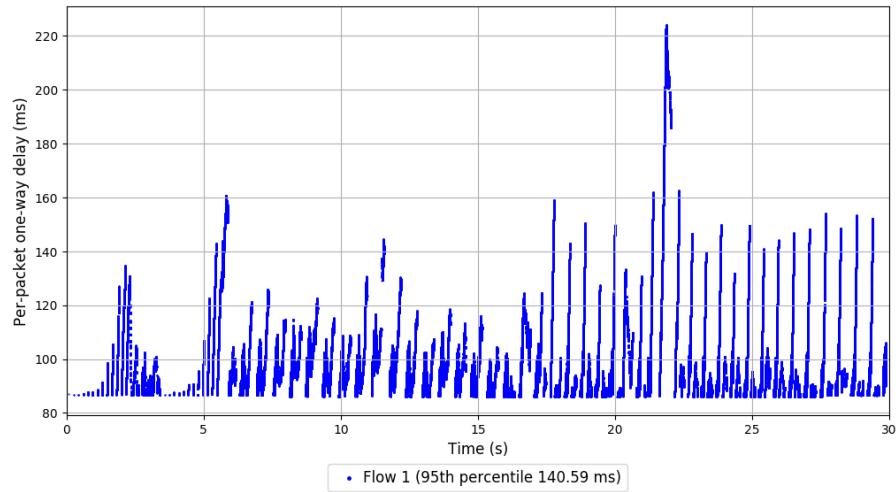
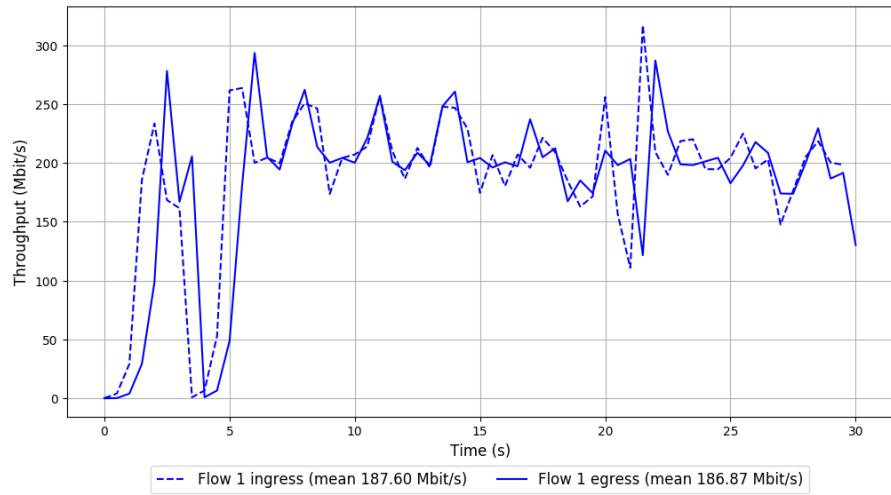


Run 10: Statistics of Verus

```
Start at: 2018-06-30 02:30:18
End at: 2018-06-30 02:30:48
Local clock offset: 0.323 ms
Remote clock offset: -0.1 ms

# Below is generated by plot.py at 2018-06-30 03:33:59
# Datalink statistics
-- Total of 1 flow:
Average throughput: 186.87 Mbit/s
95th percentile per-packet one-way delay: 140.587 ms
Loss rate: 0.97%
-- Flow 1:
Average throughput: 186.87 Mbit/s
95th percentile per-packet one-way delay: 140.587 ms
Loss rate: 0.97%
```

Run 10: Report of Verus — Data Link

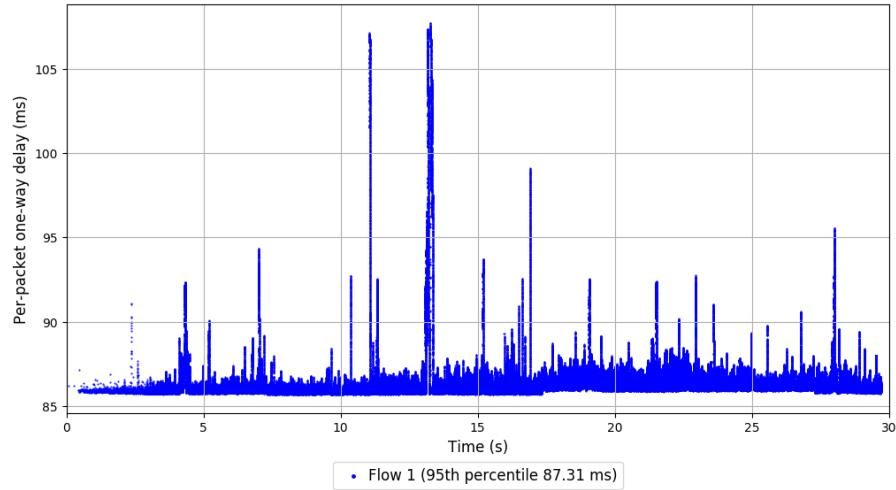
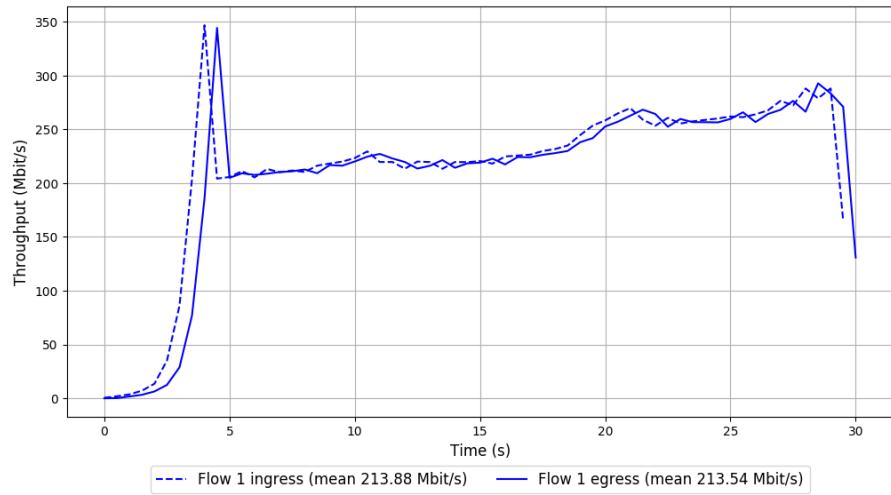


```
Run 1: Statistics of PCC-Vivace

Start at: 2018-06-29 23:12:18
End at: 2018-06-29 23:12:48
Local clock offset: 0.04 ms
Remote clock offset: -0.038 ms

# Below is generated by plot.py at 2018-06-30 03:35:09
# Datalink statistics
-- Total of 1 flow:
Average throughput: 213.54 Mbit/s
95th percentile per-packet one-way delay: 87.308 ms
Loss rate: 0.74%
-- Flow 1:
Average throughput: 213.54 Mbit/s
95th percentile per-packet one-way delay: 87.308 ms
Loss rate: 0.74%
```

Run 1: Report of PCC-Vivace — Data Link

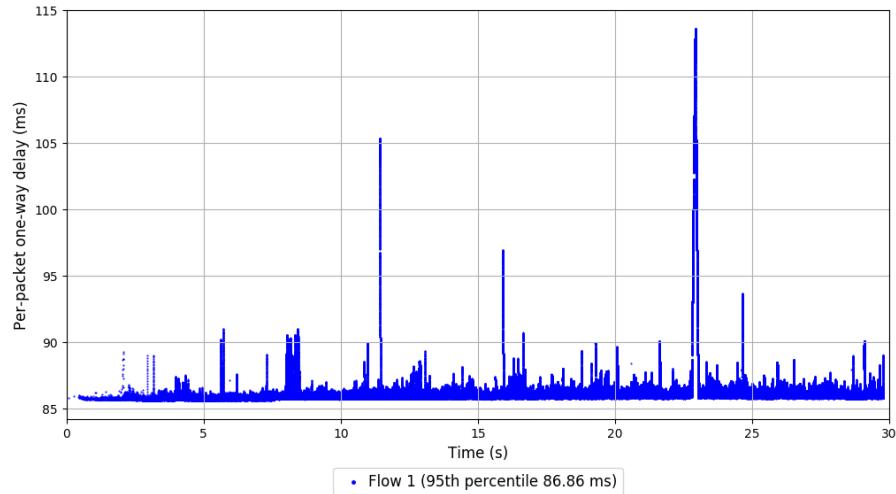
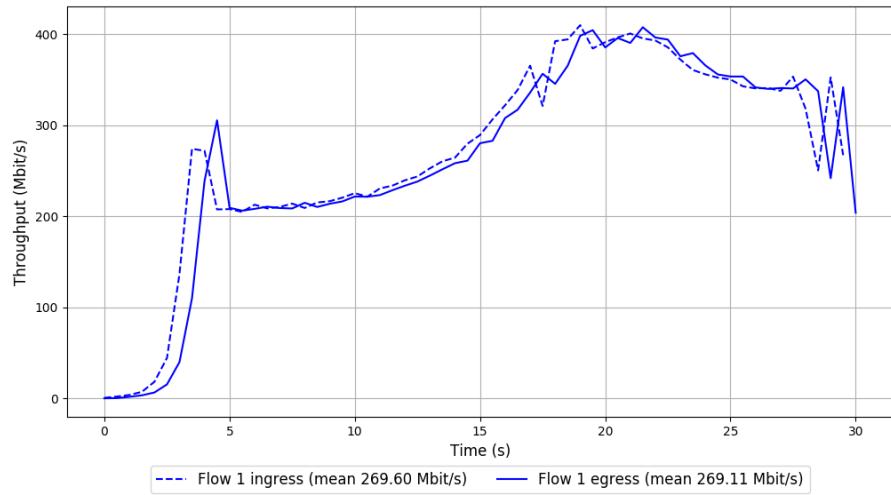


Run 2: Statistics of PCC-Vivace

```
Start at: 2018-06-29 23:33:18
End at: 2018-06-29 23:33:48
Local clock offset: -0.081 ms
Remote clock offset: -0.064 ms

# Below is generated by plot.py at 2018-06-30 03:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 269.11 Mbit/s
95th percentile per-packet one-way delay: 86.855 ms
Loss rate: 0.76%
-- Flow 1:
Average throughput: 269.11 Mbit/s
95th percentile per-packet one-way delay: 86.855 ms
Loss rate: 0.76%
```

Run 2: Report of PCC-Vivace — Data Link

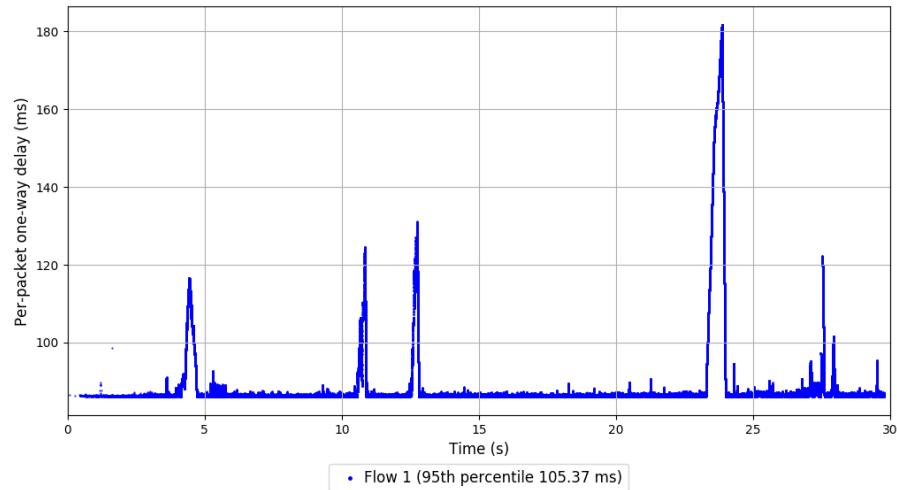
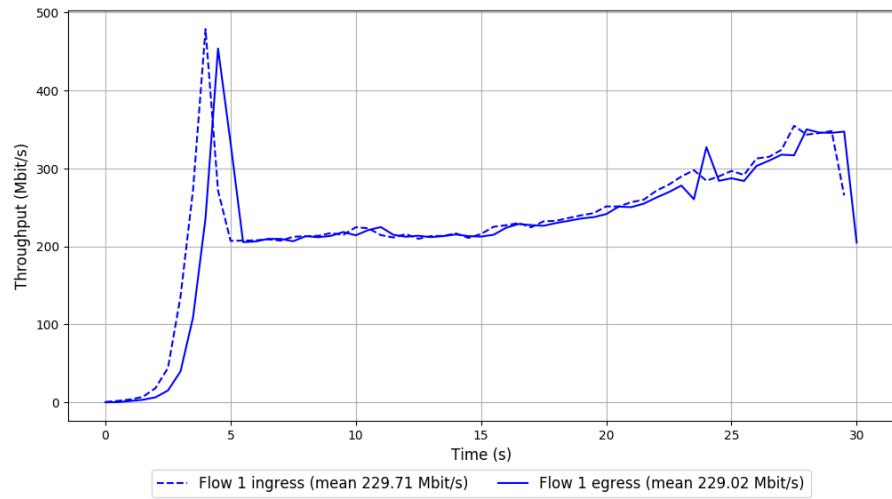


Run 3: Statistics of PCC-Vivace

```
Start at: 2018-06-29 23:54:36
End at: 2018-06-29 23:55:06
Local clock offset: 0.185 ms
Remote clock offset: 0.013 ms

# Below is generated by plot.py at 2018-06-30 03:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 229.02 Mbit/s
95th percentile per-packet one-way delay: 105.366 ms
Loss rate: 0.88%
-- Flow 1:
Average throughput: 229.02 Mbit/s
95th percentile per-packet one-way delay: 105.366 ms
Loss rate: 0.88%
```

Run 3: Report of PCC-Vivace — Data Link

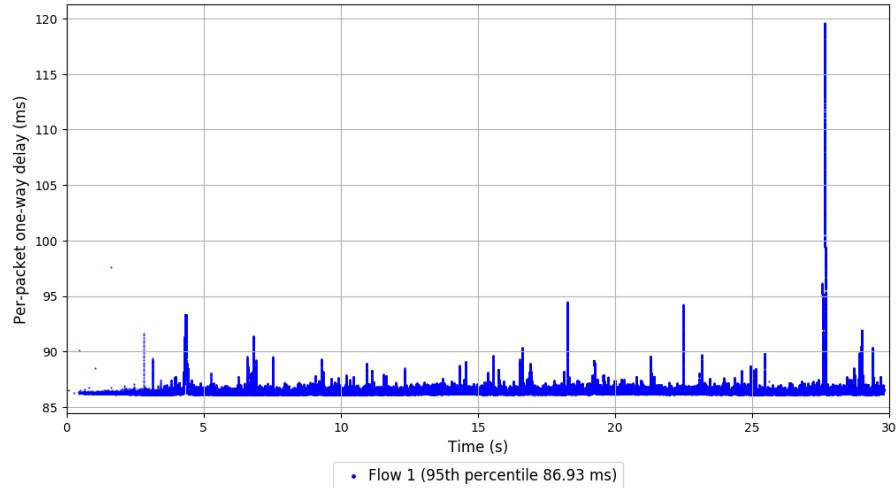
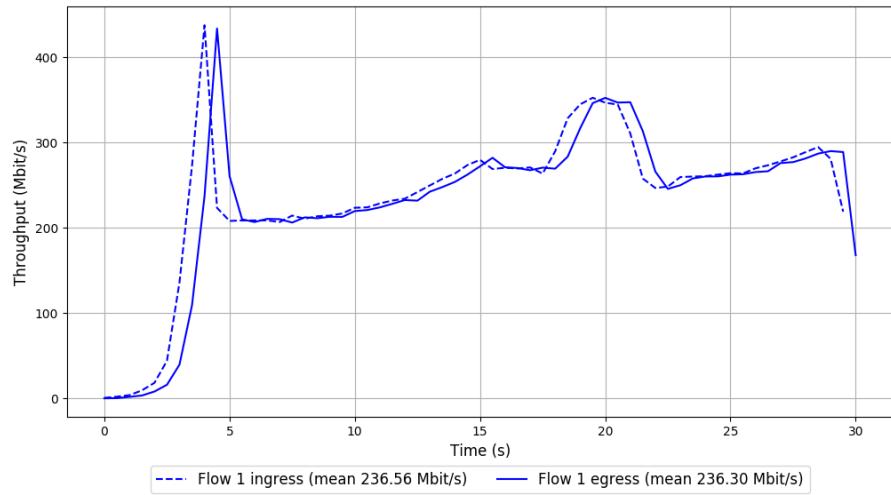


Run 4: Statistics of PCC-Vivace

```
Start at: 2018-06-30 00:15:29
End at: 2018-06-30 00:15:59
Local clock offset: 0.344 ms
Remote clock offset: 0.107 ms

# Below is generated by plot.py at 2018-06-30 03:35:56
# Datalink statistics
-- Total of 1 flow:
Average throughput: 236.30 Mbit/s
95th percentile per-packet one-way delay: 86.927 ms
Loss rate: 0.69%
-- Flow 1:
Average throughput: 236.30 Mbit/s
95th percentile per-packet one-way delay: 86.927 ms
Loss rate: 0.69%
```

Run 4: Report of PCC-Vivace — Data Link

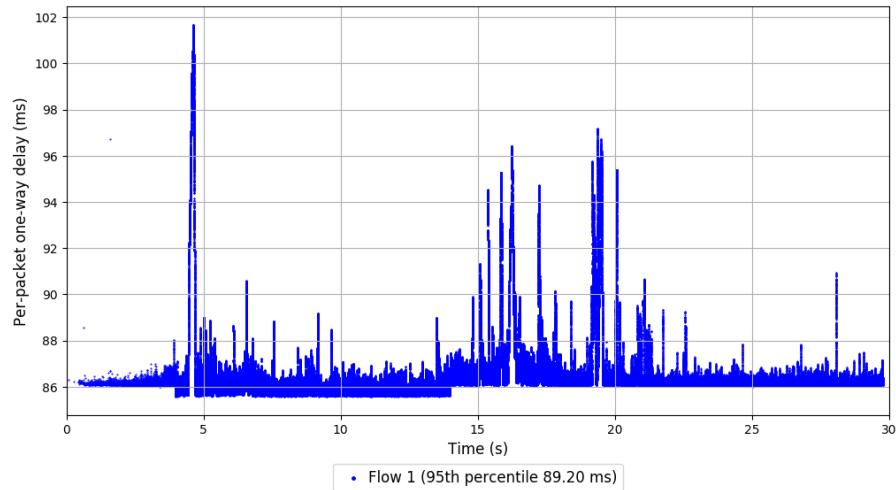
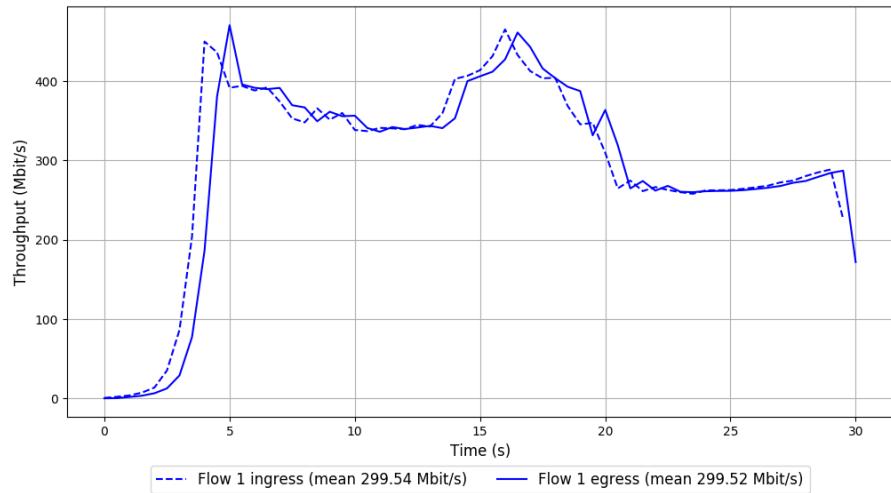


Run 5: Statistics of PCC-Vivace

```
Start at: 2018-06-30 00:36:42
End at: 2018-06-30 00:37:12
Local clock offset: -0.007 ms
Remote clock offset: 0.33 ms

# Below is generated by plot.py at 2018-06-30 03:37:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 299.52 Mbit/s
95th percentile per-packet one-way delay: 89.203 ms
Loss rate: 0.59%
-- Flow 1:
Average throughput: 299.52 Mbit/s
95th percentile per-packet one-way delay: 89.203 ms
Loss rate: 0.59%
```

Run 5: Report of PCC-Vivace — Data Link

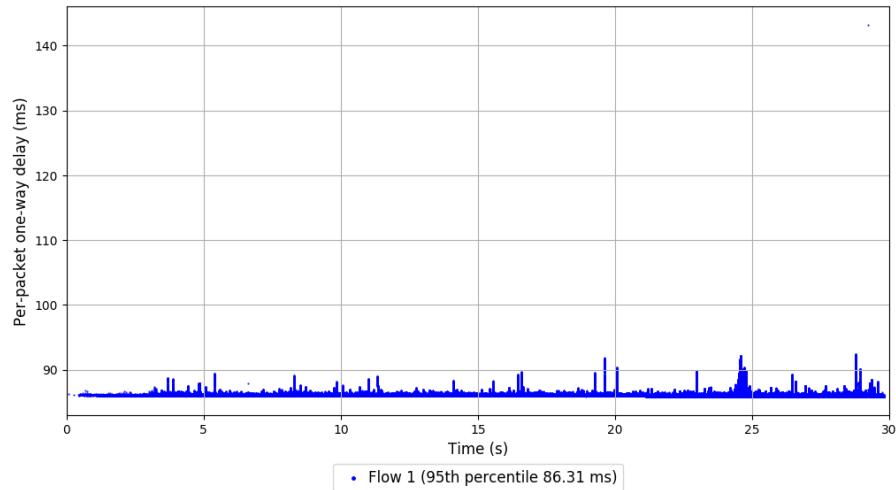
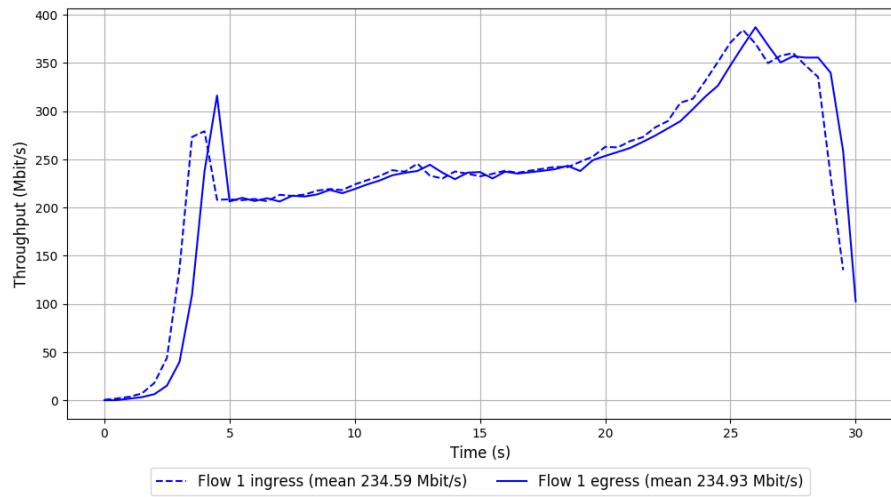


Run 6: Statistics of PCC-Vivace

```
Start at: 2018-06-30 00:57:45
End at: 2018-06-30 00:58:15
Local clock offset: 0.093 ms
Remote clock offset: 0.267 ms

# Below is generated by plot.py at 2018-06-30 03:37:51
# Datalink statistics
-- Total of 1 flow:
Average throughput: 234.93 Mbit/s
95th percentile per-packet one-way delay: 86.309 ms
Loss rate: 0.44%
-- Flow 1:
Average throughput: 234.93 Mbit/s
95th percentile per-packet one-way delay: 86.309 ms
Loss rate: 0.44%
```

Run 6: Report of PCC-Vivace — Data Link

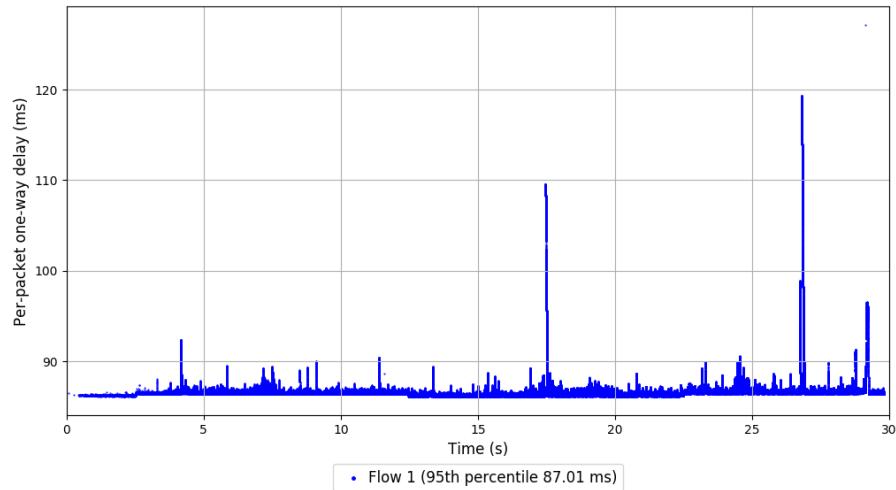
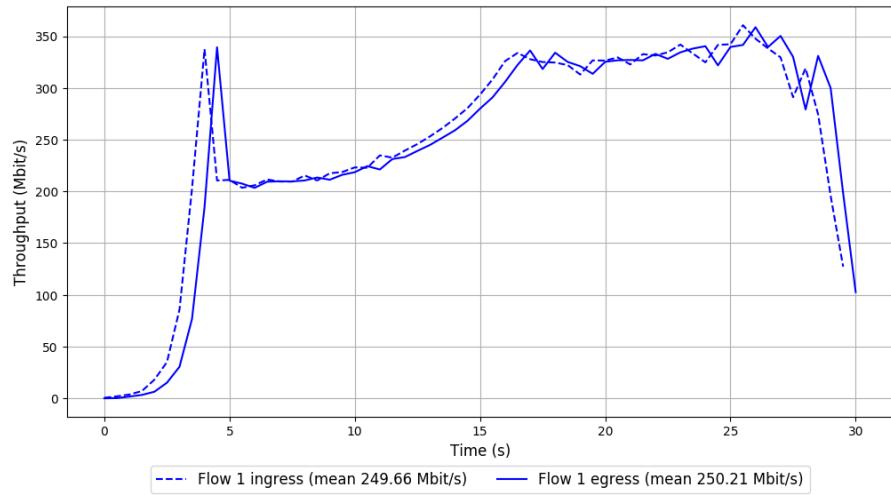


Run 7: Statistics of PCC-Vivace

```
Start at: 2018-06-30 01:18:43
End at: 2018-06-30 01:19:13
Local clock offset: 0.169 ms
Remote clock offset: 0.152 ms

# Below is generated by plot.py at 2018-06-30 03:37:55
# Datalink statistics
-- Total of 1 flow:
Average throughput: 250.21 Mbit/s
95th percentile per-packet one-way delay: 87.008 ms
Loss rate: 0.36%
-- Flow 1:
Average throughput: 250.21 Mbit/s
95th percentile per-packet one-way delay: 87.008 ms
Loss rate: 0.36%
```

Run 7: Report of PCC-Vivace — Data Link

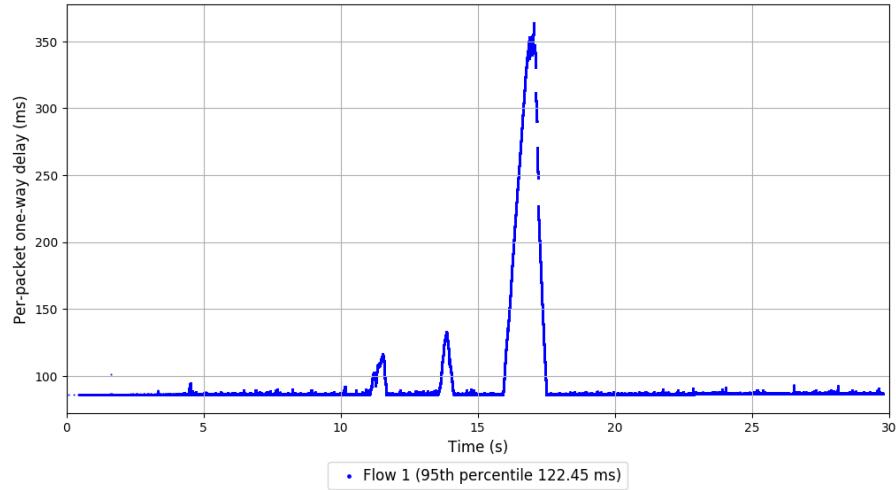
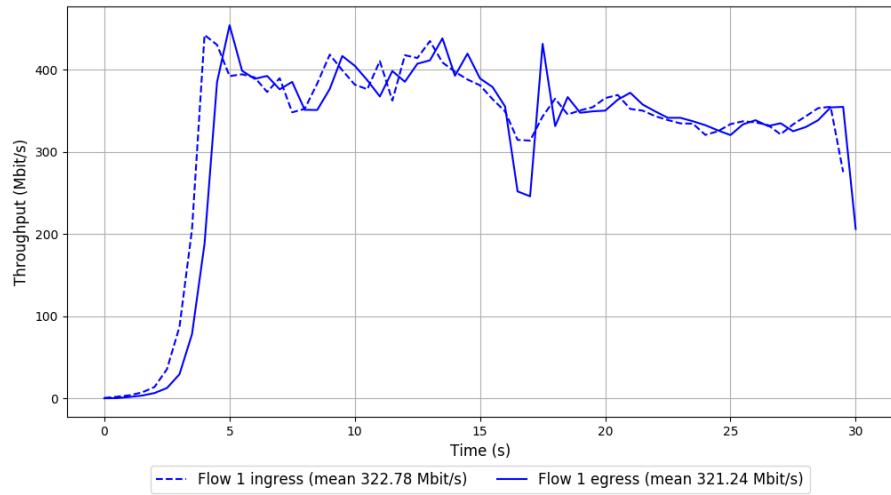


Run 8: Statistics of PCC-Vivace

```
Start at: 2018-06-30 01:39:53
End at: 2018-06-30 01:40:23
Local clock offset: 0.268 ms
Remote clock offset: 0.076 ms

# Below is generated by plot.py at 2018-06-30 03:38:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 321.24 Mbit/s
95th percentile per-packet one-way delay: 122.452 ms
Loss rate: 1.05%
-- Flow 1:
Average throughput: 321.24 Mbit/s
95th percentile per-packet one-way delay: 122.452 ms
Loss rate: 1.05%
```

Run 8: Report of PCC-Vivace — Data Link

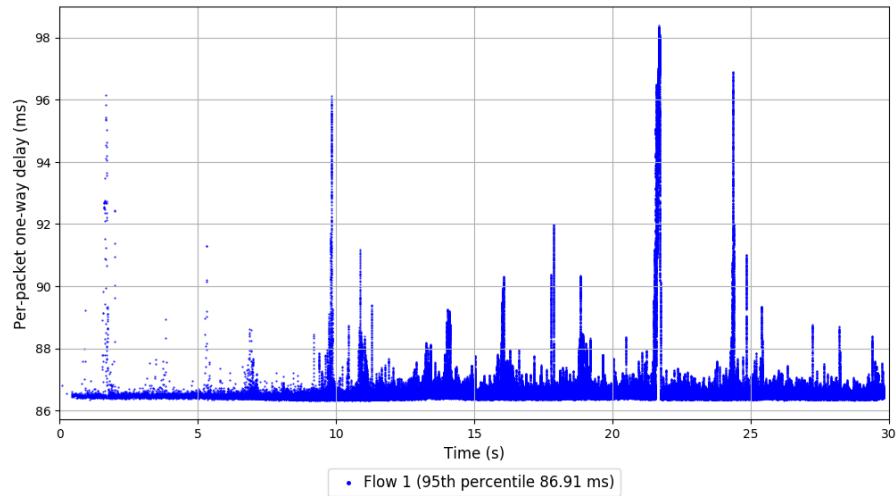
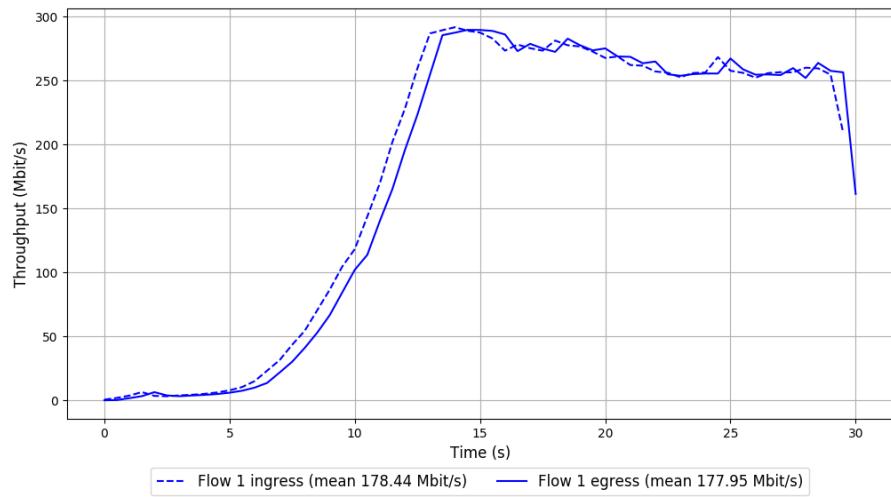


Run 9: Statistics of PCC-Vivace

```
Start at: 2018-06-30 02:00:49
End at: 2018-06-30 02:01:19
Local clock offset: 0.178 ms
Remote clock offset: -0.072 ms

# Below is generated by plot.py at 2018-06-30 03:38:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 177.95 Mbit/s
95th percentile per-packet one-way delay: 86.914 ms
Loss rate: 0.85%
-- Flow 1:
Average throughput: 177.95 Mbit/s
95th percentile per-packet one-way delay: 86.914 ms
Loss rate: 0.85%
```

Run 9: Report of PCC-Vivace — Data Link

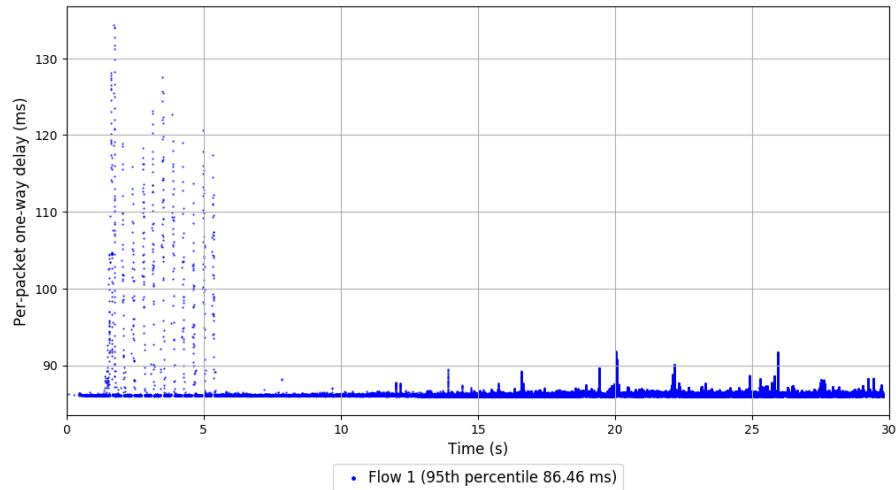
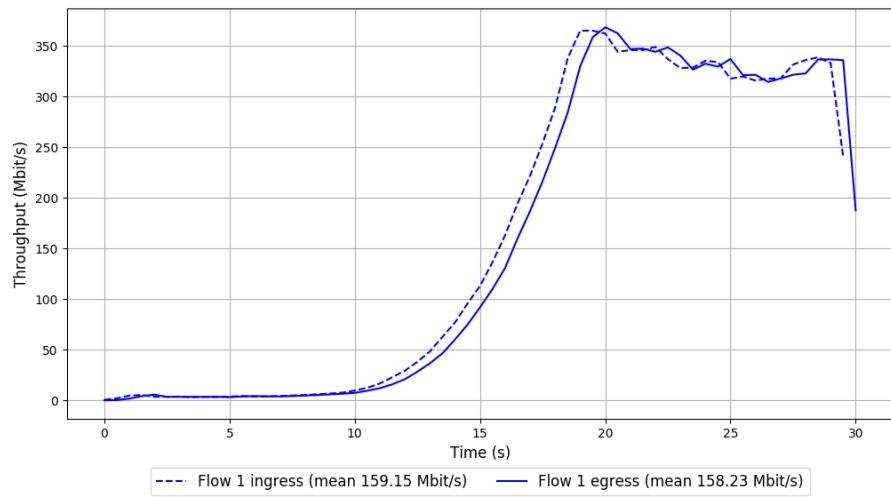


Run 10: Statistics of PCC-Vivace

```
Start at: 2018-06-30 02:21:59
End at: 2018-06-30 02:22:29
Local clock offset: 0.079 ms
Remote clock offset: -0.101 ms

# Below is generated by plot.py at 2018-06-30 03:38:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 158.23 Mbit/s
95th percentile per-packet one-way delay: 86.463 ms
Loss rate: 1.16%
-- Flow 1:
Average throughput: 158.23 Mbit/s
95th percentile per-packet one-way delay: 86.463 ms
Loss rate: 1.16%
```

Run 10: Report of PCC-Vivace — Data Link



Run 1: Statistics of WebRTC media

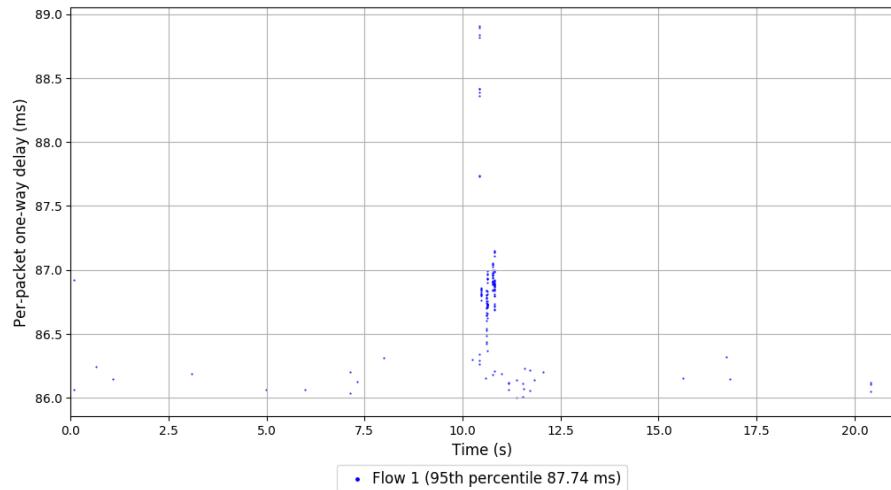
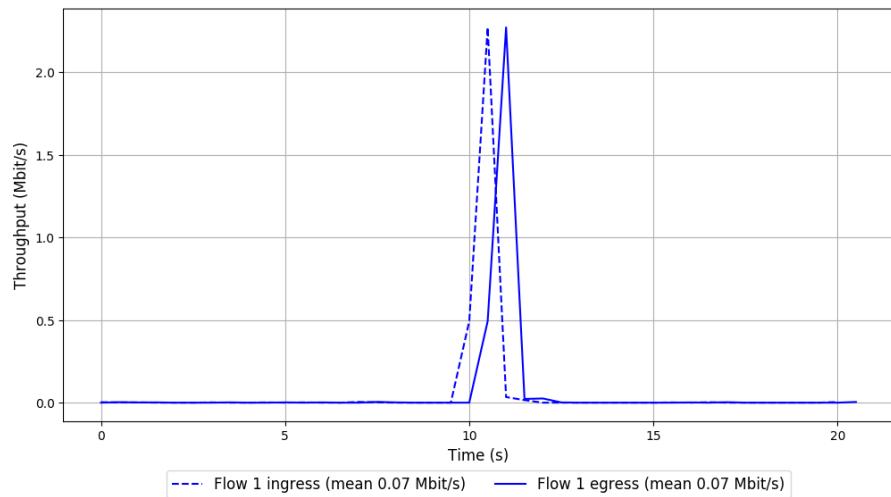
Start at: 2018-06-29 23:06:21

End at: 2018-06-29 23:06:51

Local clock offset: 0.104 ms

Remote clock offset: -0.083 ms

Run 1: Report of WebRTC media — Data Link

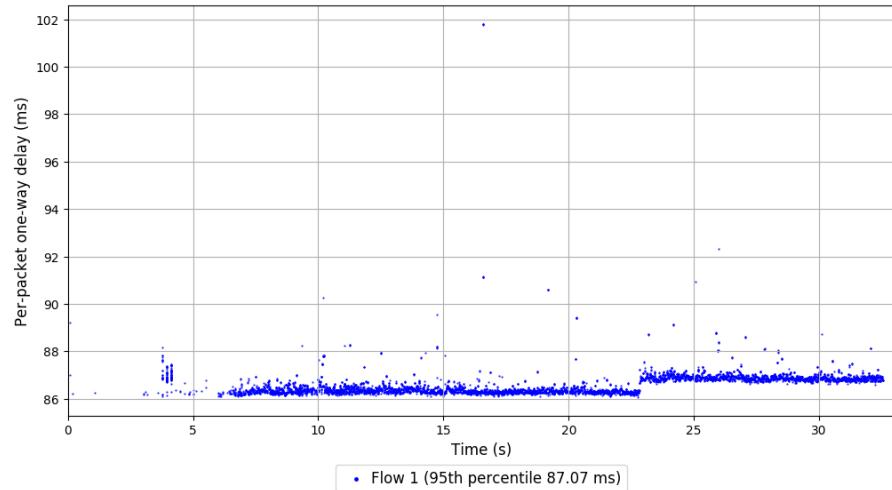
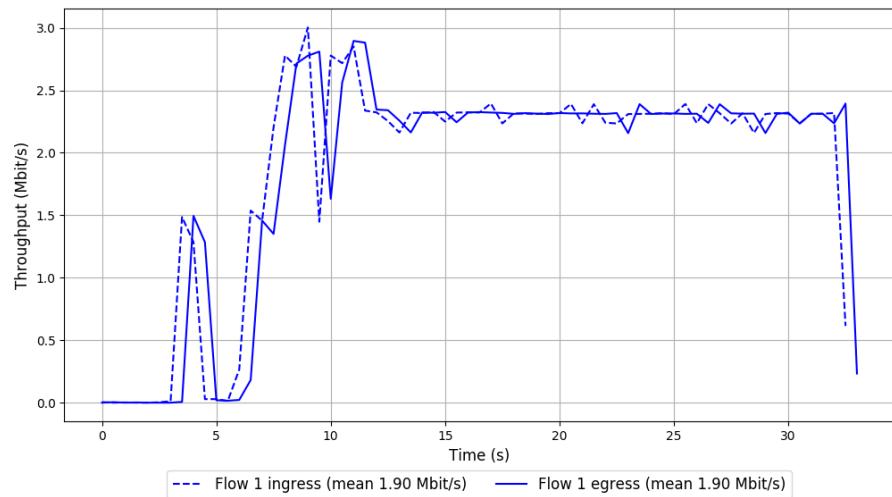


Run 2: Statistics of WebRTC media

```
Start at: 2018-06-29 23:27:16
End at: 2018-06-29 23:27:46
Local clock offset: 0.368 ms
Remote clock offset: -0.08 ms

# Below is generated by plot.py at 2018-06-30 03:38:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 87.074 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 87.074 ms
Loss rate: 0.62%
```

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

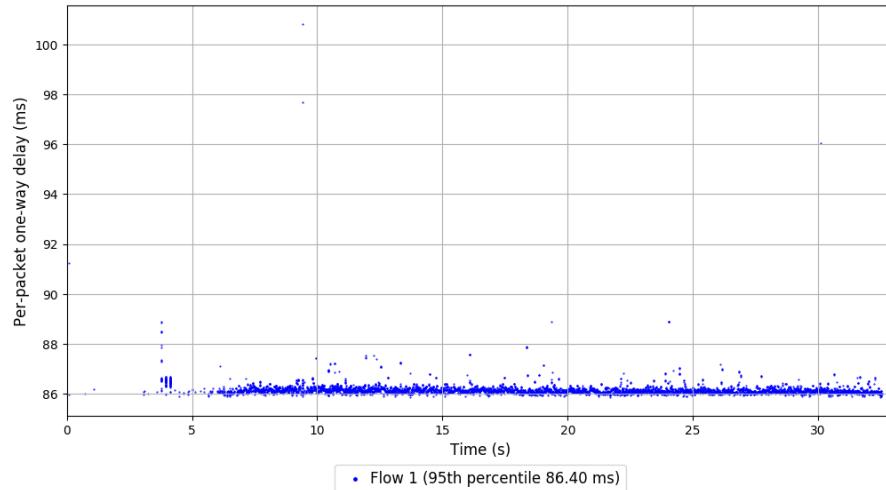
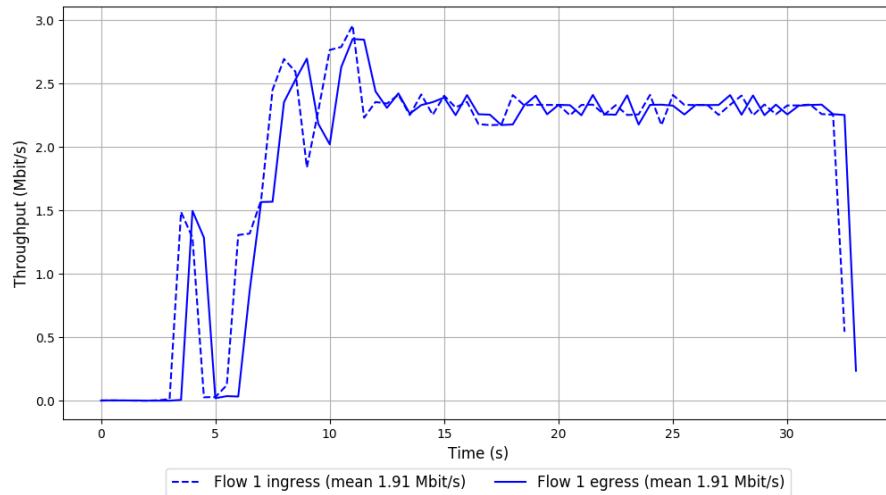


Run 3: Statistics of WebRTC media

```
Start at: 2018-06-29 23:48:23
End at: 2018-06-29 23:48:53
Local clock offset: 0.017 ms
Remote clock offset: 0.026 ms

# Below is generated by plot.py at 2018-06-30 03:38:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 86.404 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 1.91 Mbit/s
95th percentile per-packet one-way delay: 86.404 ms
Loss rate: 0.56%
```

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

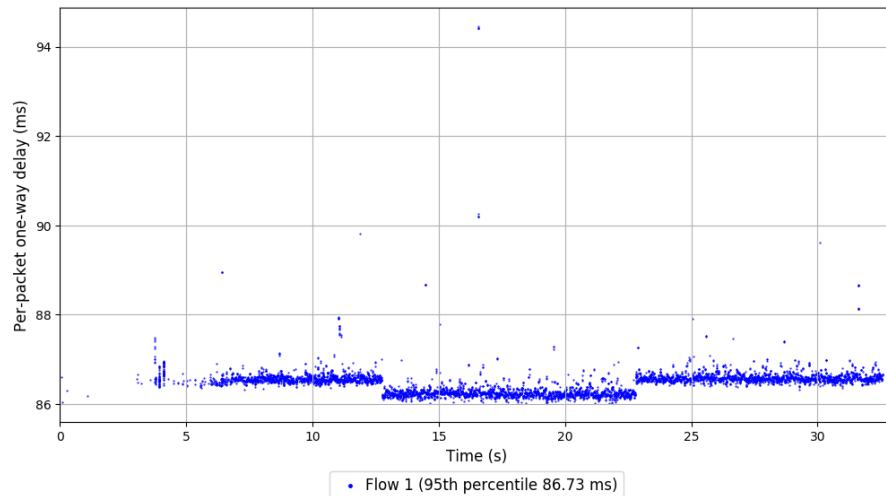
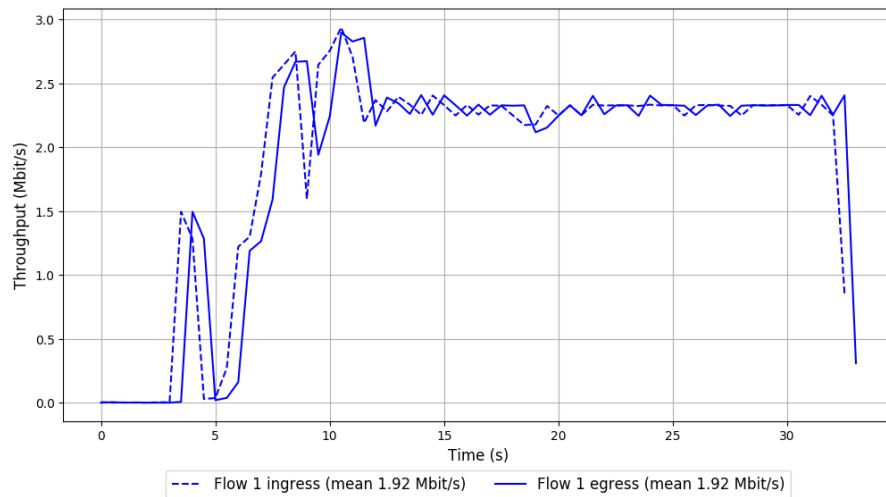


Run 4: Statistics of WebRTC media

```
Start at: 2018-06-30 00:09:16
End at: 2018-06-30 00:09:46
Local clock offset: 0.06 ms
Remote clock offset: 0.082 ms

# Below is generated by plot.py at 2018-06-30 03:38:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.734 ms
Loss rate: 0.68%
-- Flow 1:
Average throughput: 1.92 Mbit/s
95th percentile per-packet one-way delay: 86.734 ms
Loss rate: 0.68%
```

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

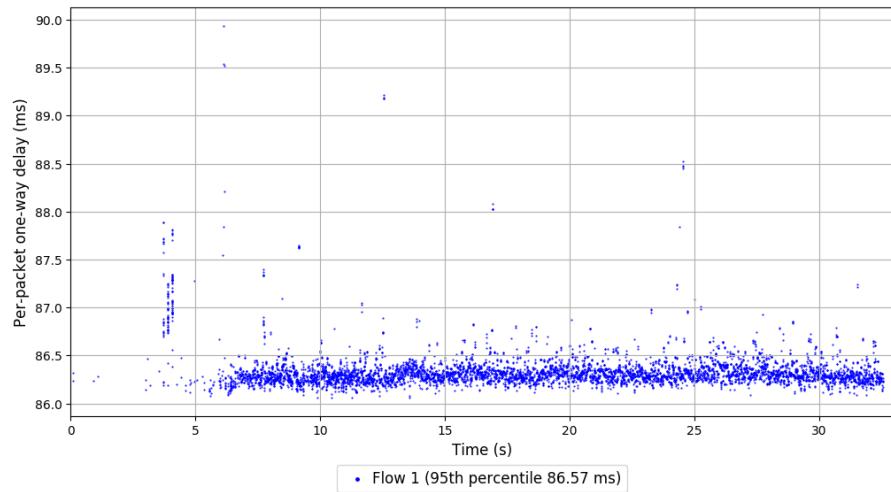
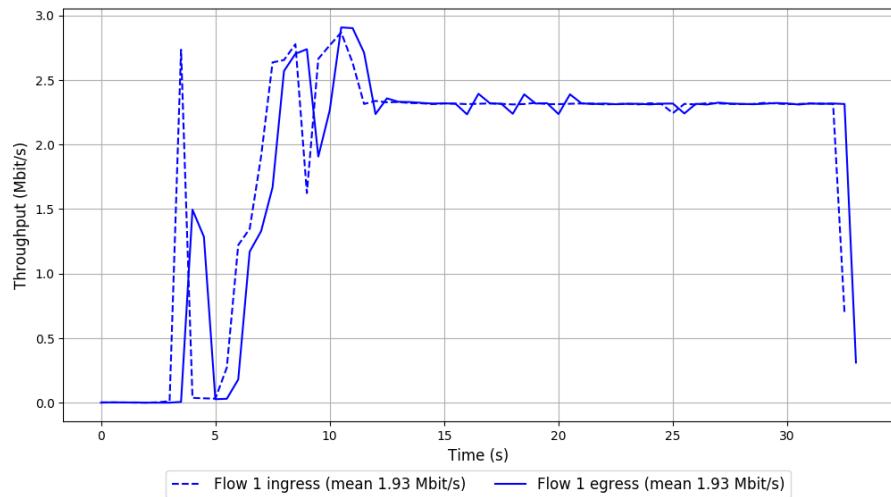


Run 5: Statistics of WebRTC media

```
Start at: 2018-06-30 00:30:31
End at: 2018-06-30 00:31:01
Local clock offset: 0.304 ms
Remote clock offset: 0.193 ms

# Below is generated by plot.py at 2018-06-30 03:38:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.571 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.571 ms
Loss rate: 0.61%
```

Run 5: Report of WebRTC media — Data Link

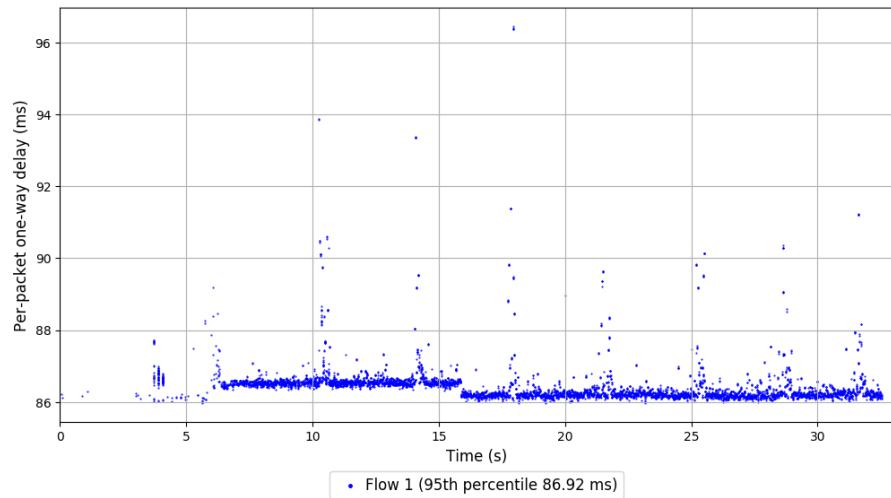
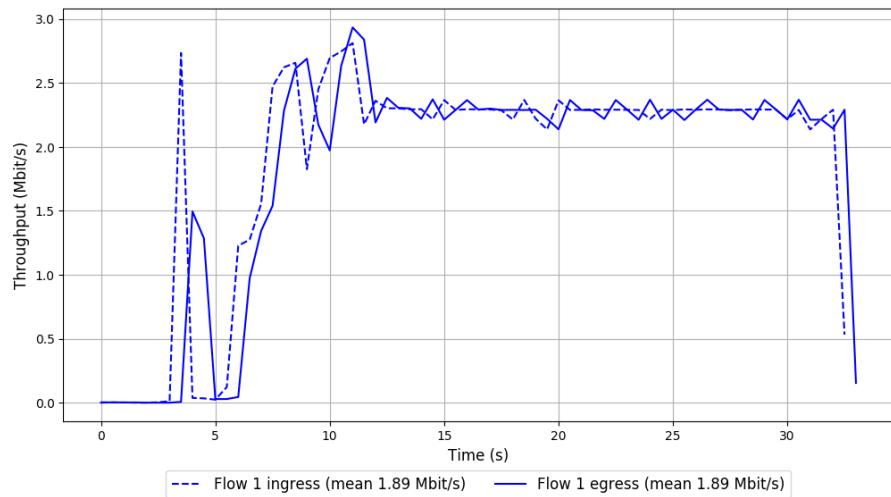


```
Run 6: Statistics of WebRTC media

Start at: 2018-06-30 00:51:32
End at: 2018-06-30 00:52:03
Local clock offset: 0.092 ms
Remote clock offset: 0.235 ms

# Below is generated by plot.py at 2018-06-30 03:38:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 86.917 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 86.917 ms
Loss rate: 0.62%
```

### Run 6: Report of WebRTC media — Data Link

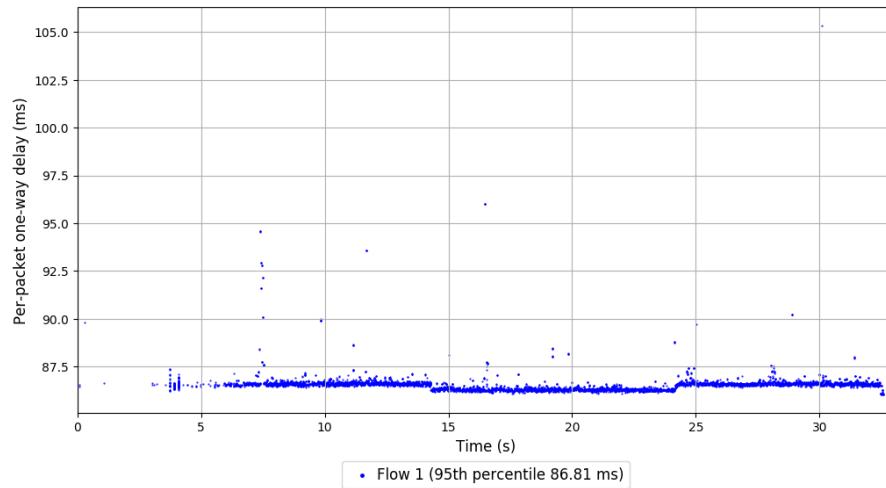
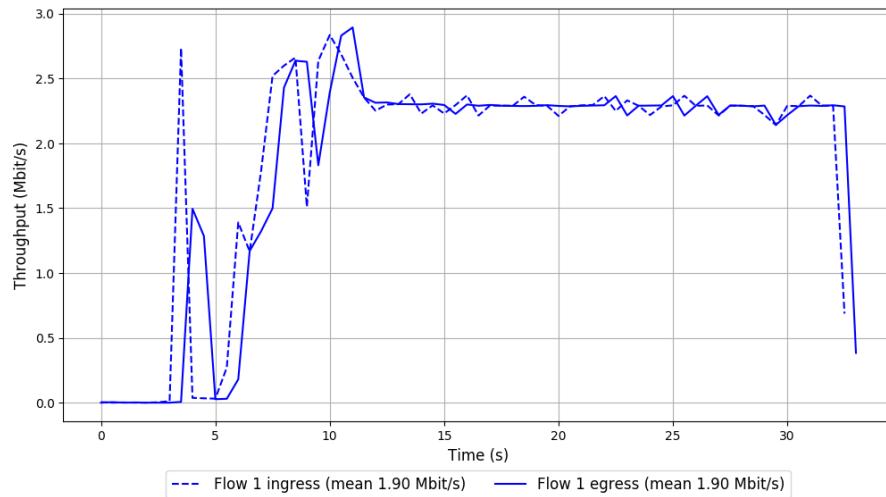


Run 7: Statistics of WebRTC media

```
Start at: 2018-06-30 01:12:34
End at: 2018-06-30 01:13:04
Local clock offset: 0.092 ms
Remote clock offset: 0.227 ms

# Below is generated by plot.py at 2018-06-30 03:38:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.808 ms
Loss rate: 0.61%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.808 ms
Loss rate: 0.61%
```

### Run 7: Report of WebRTC media — Data Link

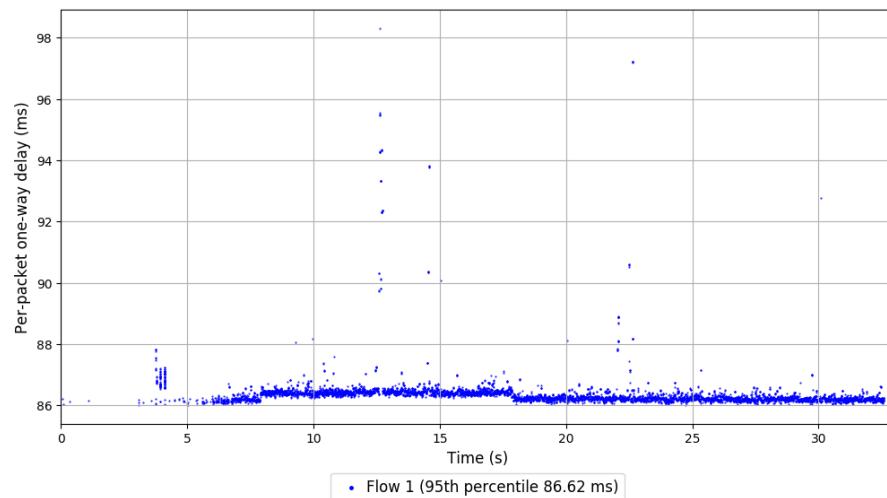
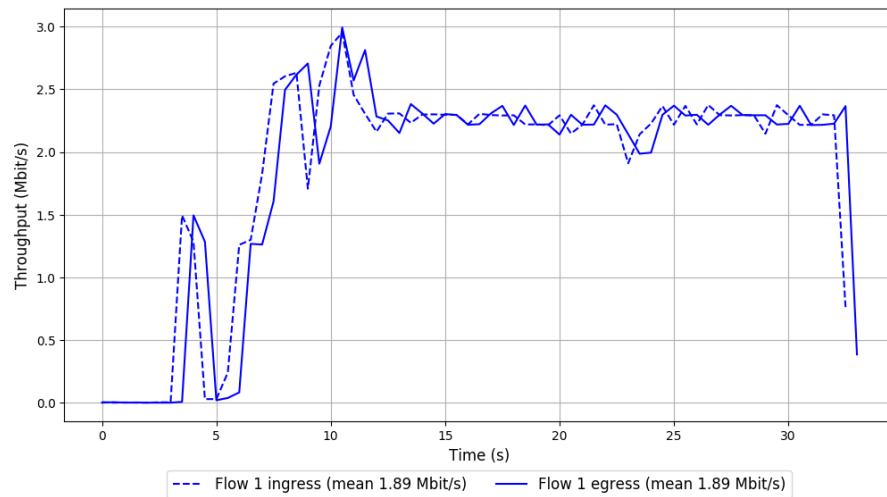


Run 8: Statistics of WebRTC media

```
Start at: 2018-06-30 01:33:41
End at: 2018-06-30 01:34:11
Local clock offset: 0.3 ms
Remote clock offset: 0.045 ms

# Below is generated by plot.py at 2018-06-30 03:38:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 86.624 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 1.89 Mbit/s
95th percentile per-packet one-way delay: 86.624 ms
Loss rate: 0.62%
```

Run 8: Report of WebRTC media — Data Link

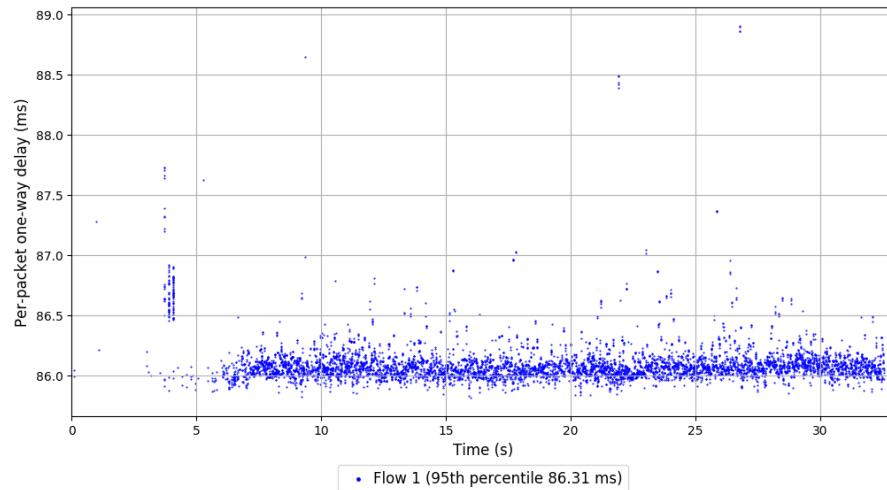
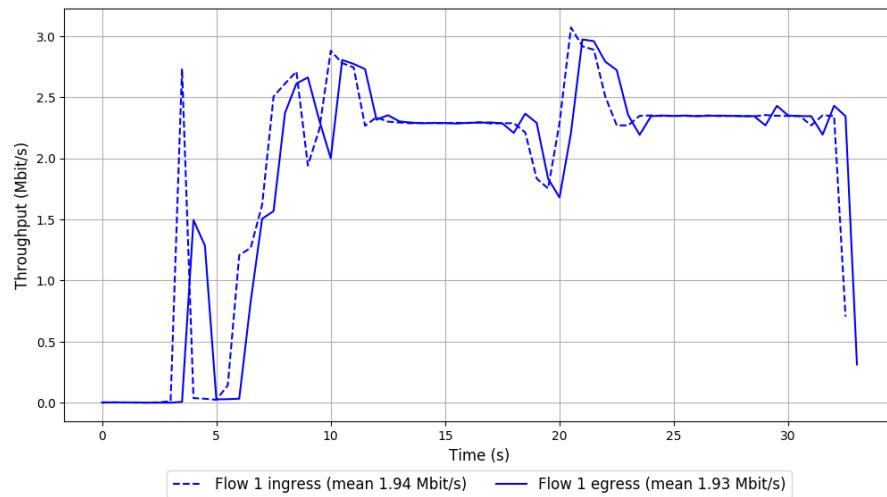


Run 9: Statistics of WebRTC media

```
Start at: 2018-06-30 01:54:44
End at: 2018-06-30 01:55:14
Local clock offset: 0.206 ms
Remote clock offset: -0.039 ms

# Below is generated by plot.py at 2018-06-30 03:38:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.312 ms
Loss rate: 0.62%
-- Flow 1:
Average throughput: 1.93 Mbit/s
95th percentile per-packet one-way delay: 86.312 ms
Loss rate: 0.62%
```

Run 9: Report of WebRTC media — Data Link



```
Run 10: Statistics of WebRTC media

Start at: 2018-06-30 02:15:49
End at: 2018-06-30 02:16:19
Local clock offset: 0.288 ms
Remote clock offset: -0.093 ms

# Below is generated by plot.py at 2018-06-30 03:38:06
# Datalink statistics
-- Total of 1 flow:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.782 ms
Loss rate: 0.56%
-- Flow 1:
Average throughput: 1.90 Mbit/s
95th percentile per-packet one-way delay: 86.782 ms
Loss rate: 0.56%
```

Run 10: Report of WebRTC media — Data Link

